

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031620\
 Data File : VD065512.D
 Acq On : 16 Mar 2020 14:48
 Operator : VA/SY
 Sample : VD0316SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0316SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/17/2020 12:09:55 PM

Quant Time: Mar 17 07:39:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 01:22:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	469583	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	680789	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	617666	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	309718	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	200612	49.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.60%	
35) Dibromofluoromethane	7.92	113	214618	50.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.96%	
50) Toluene-d8	10.34	98	826762	51.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.38%	
62) 4-Bromofluorobenzene	12.64	95	269087	53.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	89262	22.118	ug/l	99
3) Chloromethane	2.21	50	102369	21.010	ug/l	98
4) Vinyl Chloride	2.36	62	104037	21.648	ug/l	95
5) Bromomethane	2.77	94	71585	24.105	ug/l	96
6) Chloroethane	2.93	64	64693	21.979	ug/l	98
7) Trichlorofluoromethane	3.28	101	153071	21.616	ug/l	98
8) Diethyl Ether	3.71	74	46634	22.145	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	98690	21.639	ug/l	99
10) Methyl Iodide	4.30	142	105693	22.307	ug/l	99
11) Tert butyl alcohol	5.24	59	21601	93.491	ug/l #	92
12) 1,1-Dichloroethene	4.06	96	91774	21.014	ug/l	93
13) Acrolein	3.93	56	26392	66.233	ug/l	97
14) Allyl chloride	4.71	41	138925	20.708	ug/l	99
15) Acrylonitrile	5.44	53	91620	100.006	ug/l	97
16) Acetone	4.17	43	73975	90.807	ug/l	94
17) Carbon Disulfide	4.41	76	295185	20.297	ug/l	100
18) Methyl Acetate	4.72	43	43764	21.178	ug/l	94
19) Methyl tert-butyl Ether	5.49	73	174757	20.809	ug/l	98
20) Methylene Chloride	4.97	84	112485	23.602	ug/l	99
21) trans-1,2-Dichloroethene	5.48	96	105152	21.645	ug/l	98
22) Diisopropyl ether	6.37	45	277435	22.246	ug/l	98
23) Vinyl Acetate	6.31	43	709485	102.458	ug/l	98
24) 1,1-Dichloroethane	6.27	63	176132	22.019	ug/l	97
25) 2-Butanone	7.23	43	106133	95.469	ug/l	97
26) 2,2-Dichloropropane	7.21	77	153984	22.028	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	109634	22.078	ug/l	97
28) Bromochloromethane	7.55	49	69927	21.850	ug/l	99
29) Tetrahydrofuran	7.58	42	68785	96.888	ug/l	98
30) Chloroform	7.71	83	177127	22.154	ug/l	95
31) Cyclohexane	7.98	56	161021	20.131	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	160006	21.656	ug/l	98
36) 1,1-Dichloropropene	8.12	75	138709	21.255	ug/l	99
37) Ethyl Acetate	7.30	43	52132	20.668	ug/l	98
38) Carbon Tetrachloride	8.10	117	148591	21.958	ug/l	99

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Manual Integrations
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 01:22:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	162006	20.555	ug/l	95
40) Benzene	8.36	78	405331	22.215	ug/l	100
41) Methacrylonitrile	7.53	41	26431	19.814	ug/l	92
42) 1,2-Dichloroethane	8.43	62	102169	21.444	ug/l	100
43) Isopropyl Acetate	8.46	43	92533	19.868	ug/l	97
44) Trichloroethene	9.11	130	114001	22.124	ug/l	99
45) 1,2-Dichloropropane	9.39	63	99888	22.600	ug/l	98
46) Dibromomethane	9.48	93	49147	21.438	ug/l	95
47) Bromodichloromethane	9.67	83	132526	22.220	ug/l	98
48) Methyl methacrylate	9.46	41	43052	19.652	ug/l	99
49) 1,4-Dioxane	9.47	88	10526	401.398	ug/l #	94
51) 4-Methyl-2-Pentanone	10.23	43	241701	103.130	ug/l	98
52) Toluene	10.41	92	259517	22.578	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	120765	21.667	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	148109	21.954	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	70022	21.565	ug/l	98
56) Ethyl methacrylate	10.67	69	73237	20.007	ug/l	99
57) 1,3-Dichloropropane	10.95	76	121379	22.093	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	113049	100.132	ug/l	99
59) 2-Hexanone	10.99	43	159659	98.411	ug/l	98
60) Dibromochloromethane	11.14	129	93513	22.467	ug/l	100
61) 1,2-Dibromoethane	11.25	107	68128	21.997	ug/l	98
64) Tetrachloroethene	10.88	164	97891	22.118	ug/l	98
65) Chlorobenzene	11.67	112	269799	22.073	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	103510	23.252	ug/l	96
67) Ethyl Benzene	11.75	91	460847	21.821	ug/l	99
68) m/p-Xylenes	11.86	106	368443	45.244	ug/l	100
69) o-Xylene	12.18	106	160108	22.351	ug/l	100
70) Styrene	12.20	104	287098	22.773	ug/l	99
71) Bromoform	12.37	173	54167	21.663	ug/l #	98
73) Isopropylbenzene	12.48	105	434681	21.338	ug/l	99
74) N-amyl acetate	12.30	43	81711	19.592	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	73879	20.632	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	58836m	24.074	ug/l	
77) Bromobenzene	12.77	156	112196	22.167	ug/l	98
78) n-propylbenzene	12.83	91	529238	21.896	ug/l	100
79) 2-Chlorotoluene	12.91	91	297128	21.812	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	366003	21.854	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	24170	20.870	ug/l	98
82) 4-Chlorotoluene	13.01	91	311962	21.793	ug/l	99
83) tert-Butylbenzene	13.23	119	298169	21.044	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	364645	22.088	ug/l	100
85) sec-Butylbenzene	13.41	105	432157	21.368	ug/l	99
86) p-Isopropyltoluene	13.53	119	403121	21.844	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	211694	21.755	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	210989	21.797	ug/l	99
89) n-Butylbenzene	13.85	91	358360	21.004	ug/l	99
90) Hexachloroethane	14.12	117	79900	21.023	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	179472	21.673	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	10942	20.064	ug/l	95

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Misc : 5.00G/5.00ml/MSVOA D/SOIL
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MSVOA_D
ClientSampleId :
VD0316SBSD01

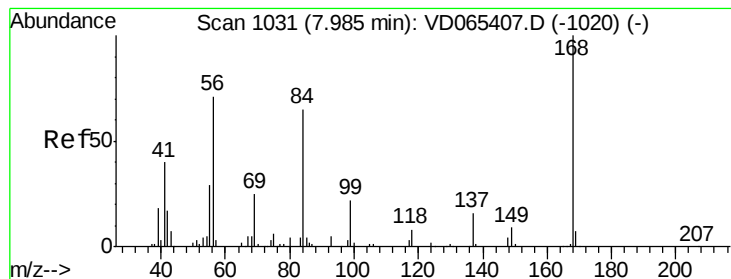
Manual Integrations
APPROVED

MMDadoda
3/17/2020 12:09:55 PM

Quant Time: Mar 17 07:39:52 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 05 01:22:07 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	119598	21.309	ug/l	100
94) Hexachlorobutadiene	15.28	225	79012	21.425	ug/l	96
95) Naphthalene	15.41	128	178797	20.706	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	105963	21.848	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065512.D

Acq: 16 Mar 2020 14:48

Instrument :

MSVOA_D

ClientSampleId :

VD0316SBSD01

Tot Ion:168 Resp: 469583

Ion Ratio Lower Upper

168 100

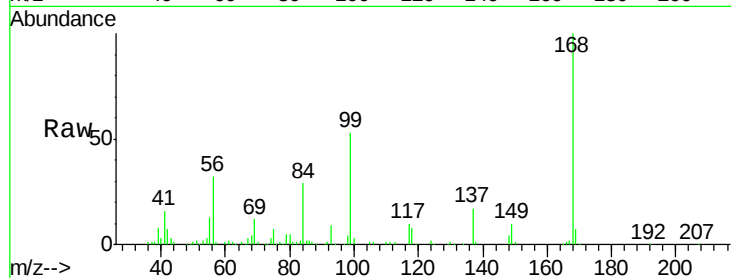
99 53.2 41.5 62.3

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

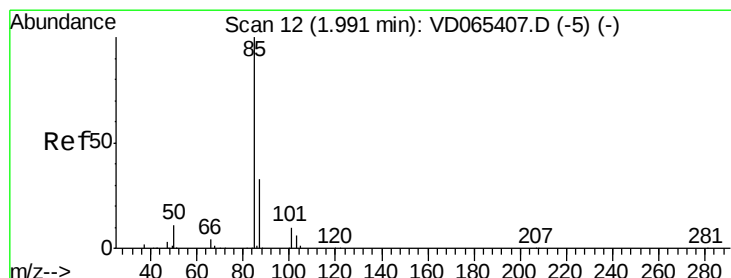
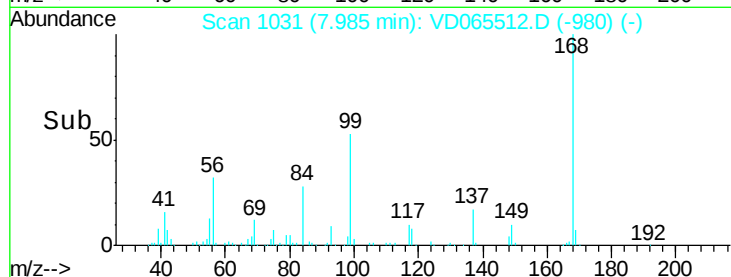
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 22.118 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065512.D

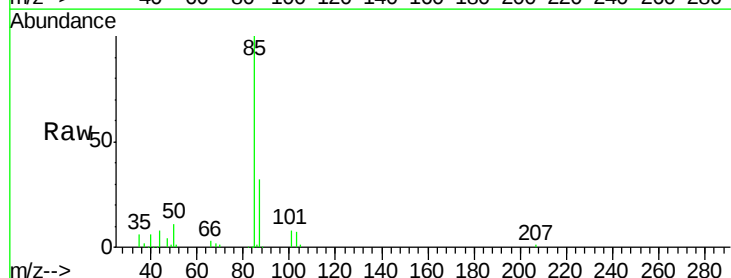
Acq: 16 Mar 2020 14:48

Tgt Ion: 85 Resp: 89262

Ion Ratio Lower Upper

85 100

87 32.1 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

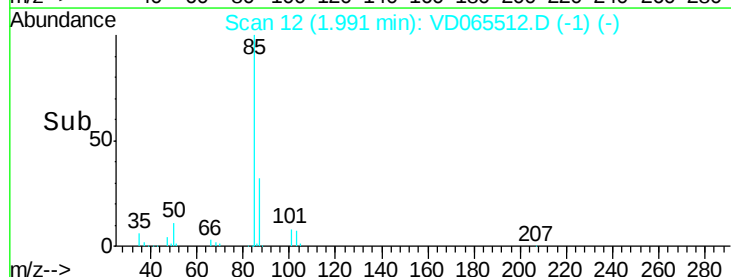
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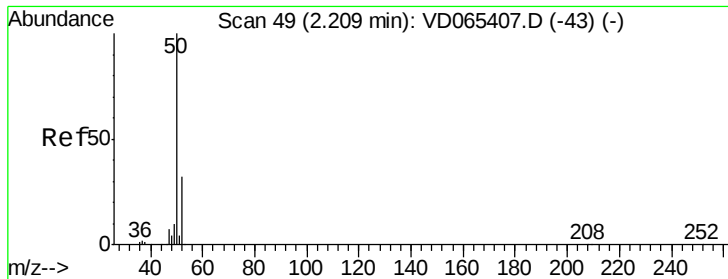
20000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 21.010 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065512.D

Acq: 16 Mar 2020 14:48

Instrument :

MSVOA_D

ClientSampleId :

VD0316SBS01

Tot Ion: 50 Resp: 102369

Ion Ratio Lower Upper

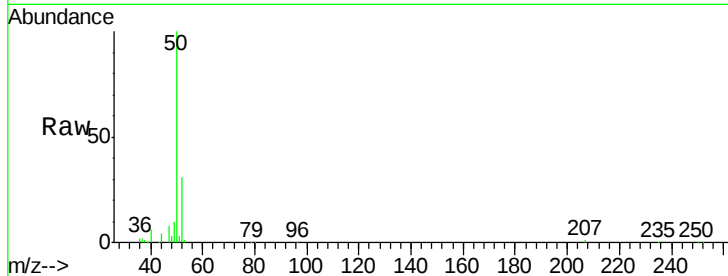
50 100

52 31.1 25.8 38.8

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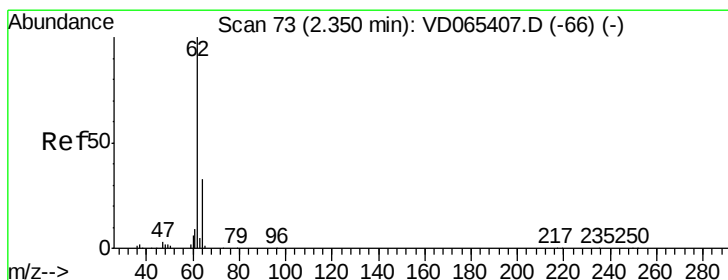
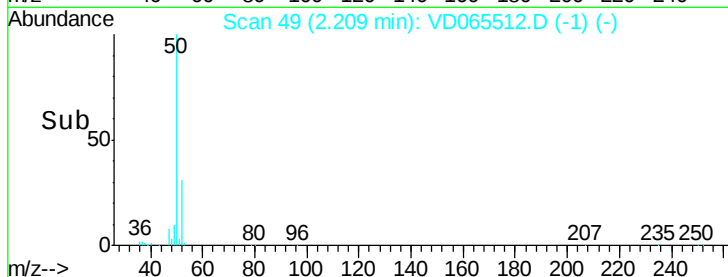
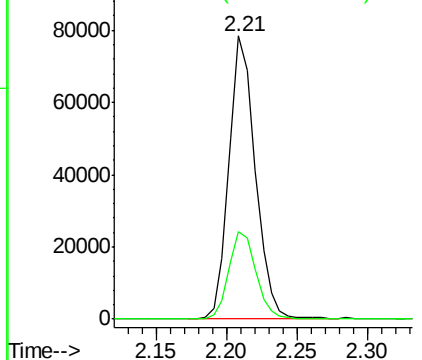
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.648 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD065512.D

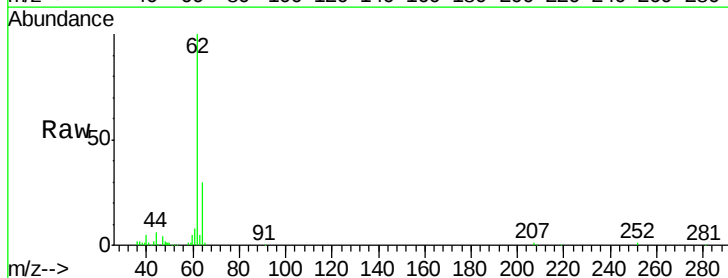
Acq: 16 Mar 2020 14:48

Tgt Ion: 62 Resp: 104037

Ion Ratio Lower Upper

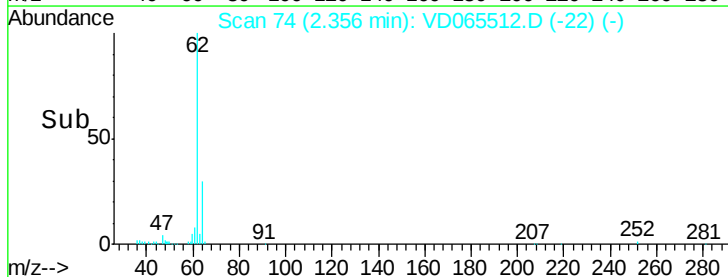
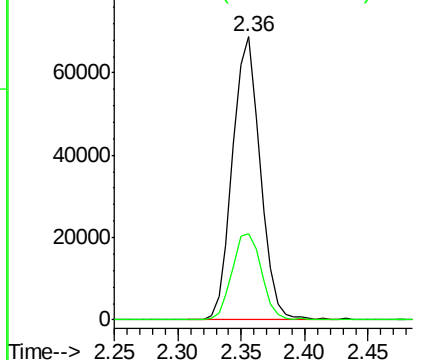
62 100

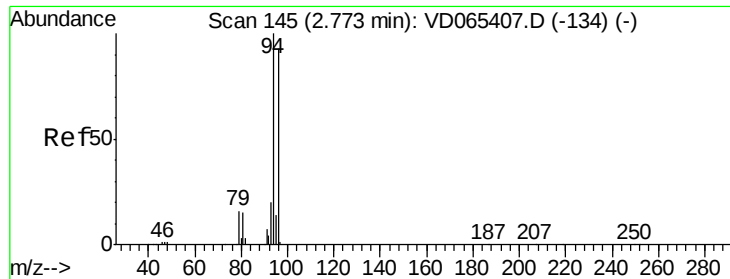
64 30.3 26.6 39.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 24.105 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD065512.D

Acq: 16 Mar 2020 14:48

Instrument :

MSVOA_D

ClientSampleId :

VD0316SBS01

Tot Ion: 94 Resp: 71585

Ion Ratio Lower Upper

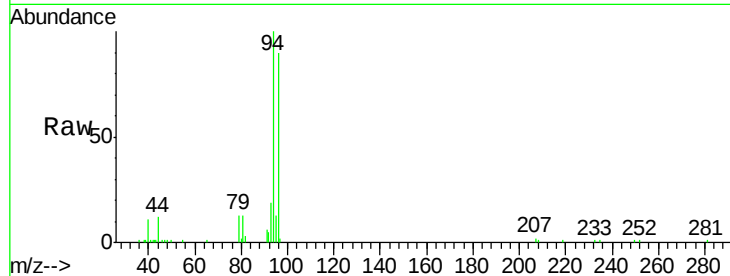
94 100

96 89.3 74.4 111.6

Manual Integrations
APPROVED

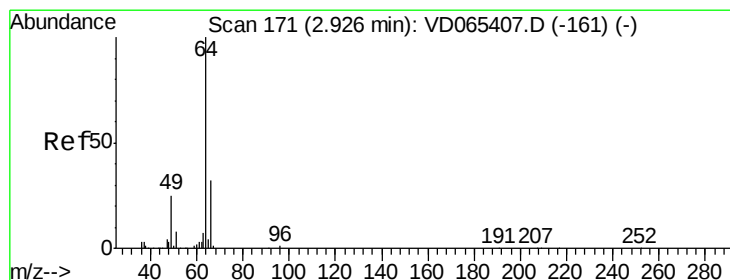
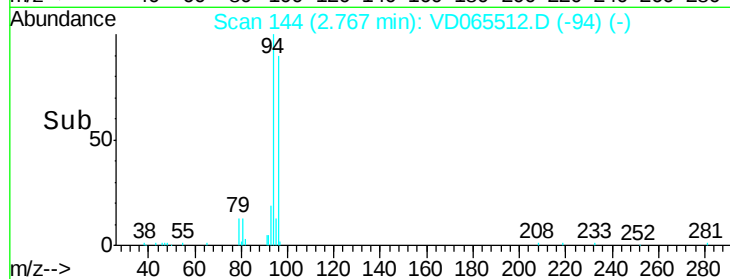
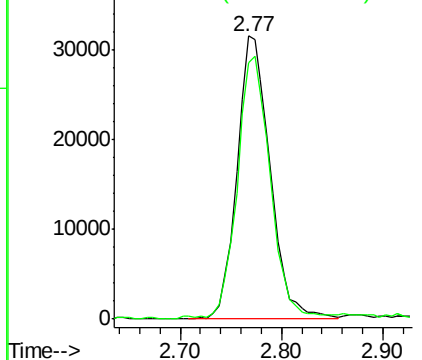
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 21.979 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD065512.D

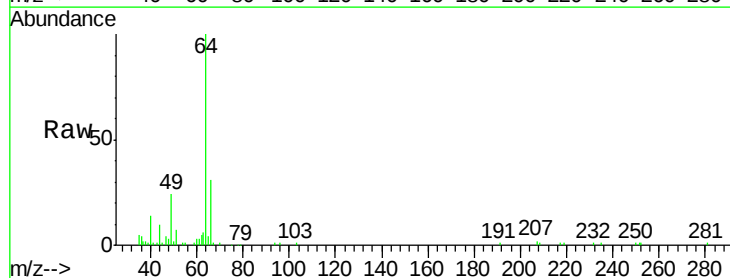
Acq: 16 Mar 2020 14:48

Tgt Ion: 64 Resp: 64693

Ion Ratio Lower Upper

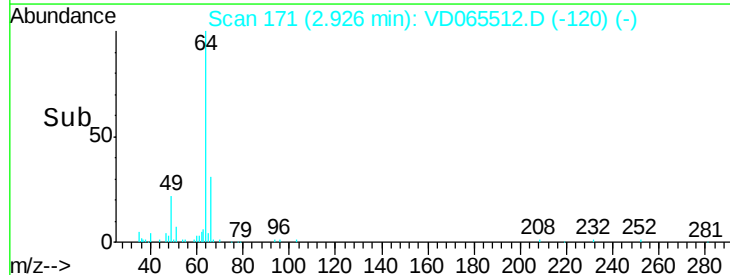
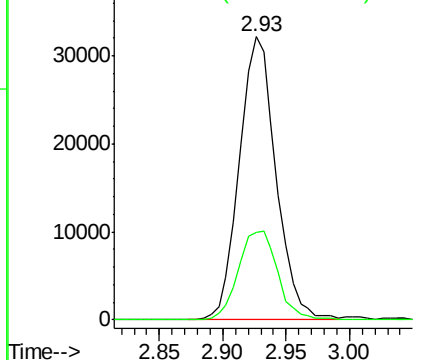
64 100

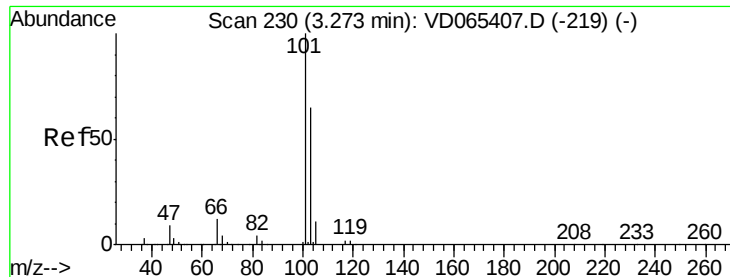
66 31.1 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

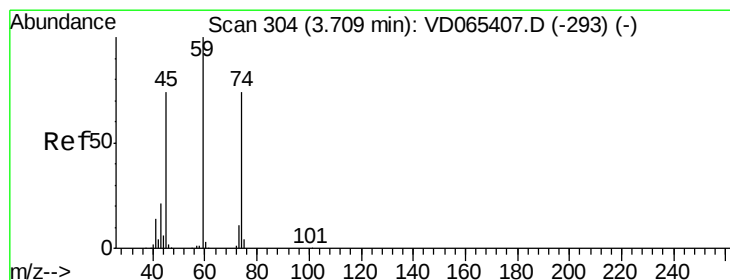
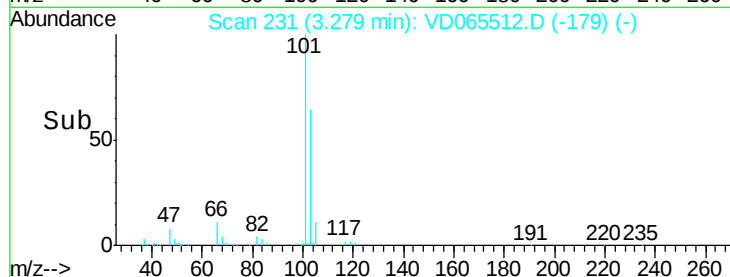
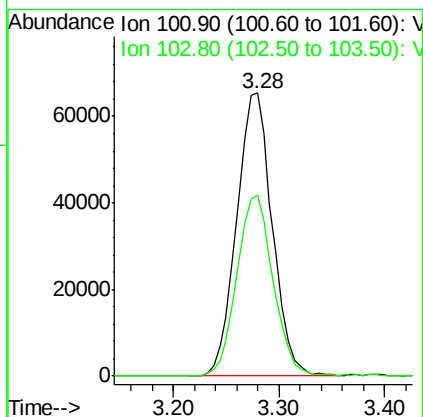
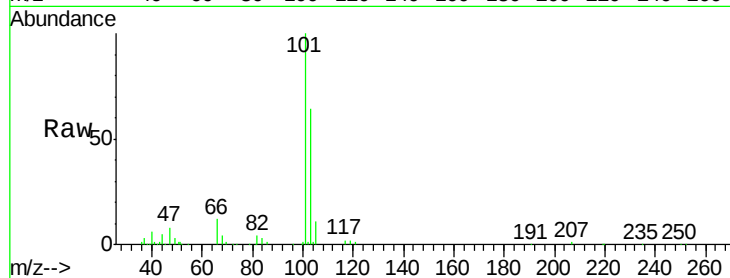
Trichlorofluoromethane
 Concen: 21.616 ug/l
 RT: 3.28 min Scan# 231
 Delta R.T. 0.01 min
 Lab File: VD065512.D
 Acq: 16 Mar 2020 14:48

Instrument :
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 ClientSampleId :
 VD0316SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.8	52.1	78.1

Manual Integrations
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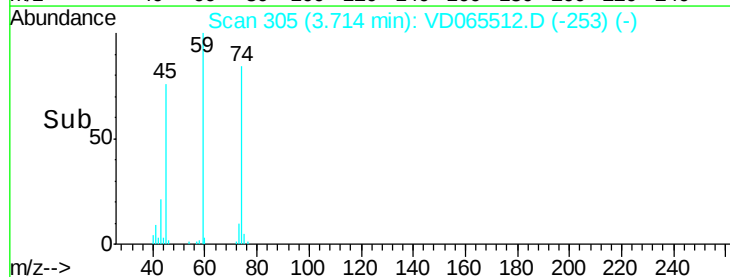
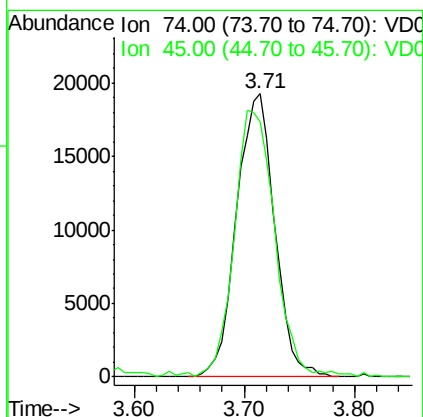
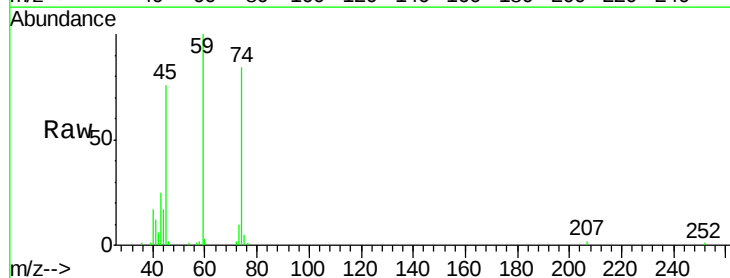
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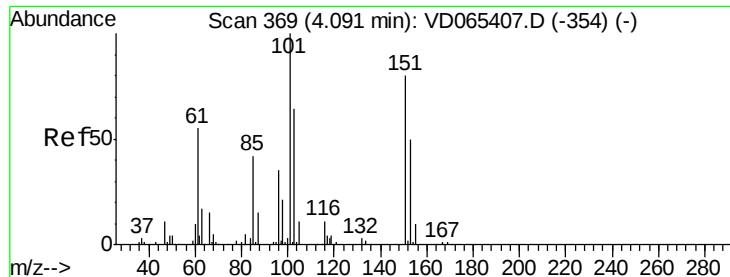


#8

Diethyl Ether
 Concen: 22.145 ug/l
 RT: 3.71 min Scan# 305
 Delta R.T. 0.01 min
 Lab File: VD065512.D
 Acq: 16 Mar 2020 14:48

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.9	49.5	148.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.639 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD065512.D

Acq: 16 Mar 2020 14:48

Instrument :

MSVOA_D

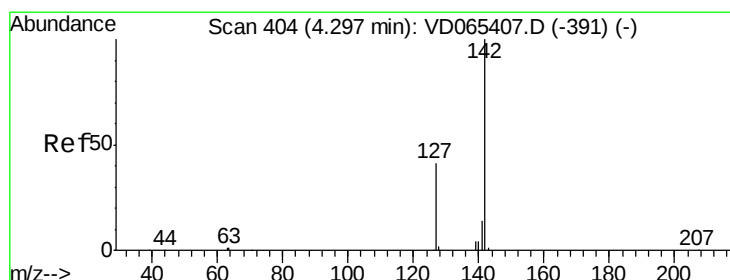
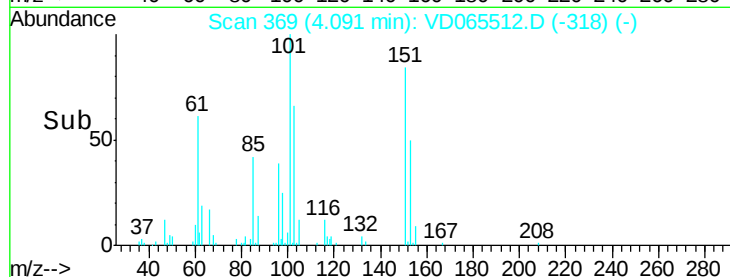
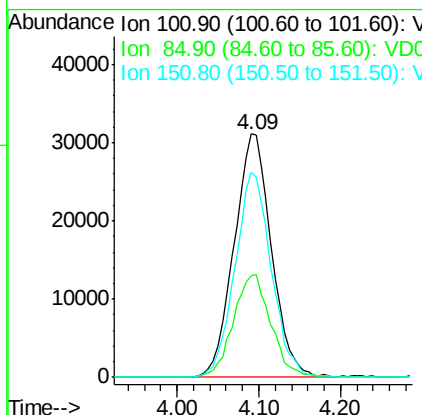
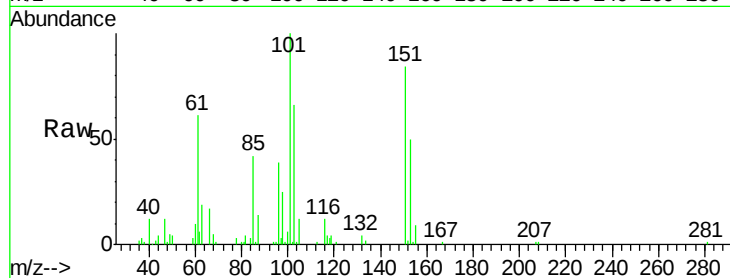
ClientSampleId :

VD0316SBS01

Tot Ion:	101	Resp:	98690
Ion Ratio	Lower	Upper	
101	100		
85	42.2	34.2	51.2
151	82.0	65.1	97.7

Manual Integrations
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#10

Methyl Iodide

Concen: 22.307 ug/l

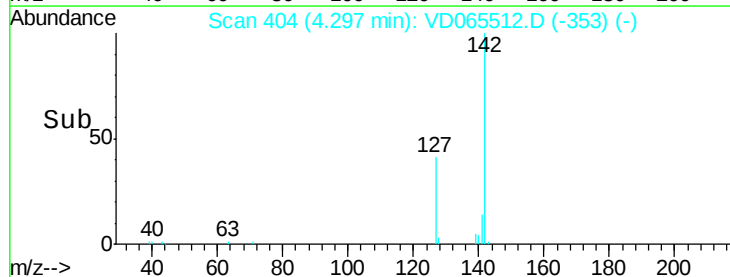
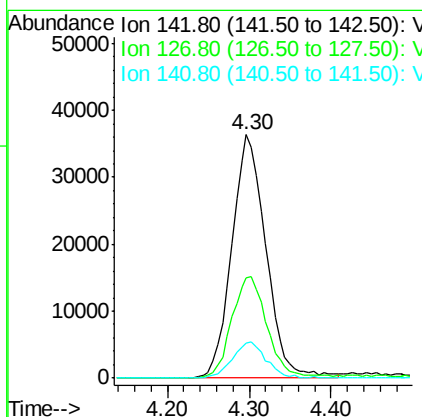
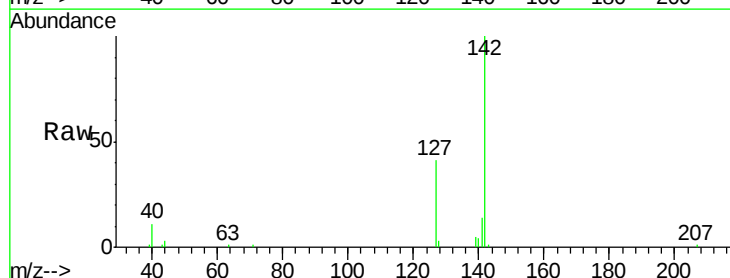
RT: 4.30 min Scan# 404

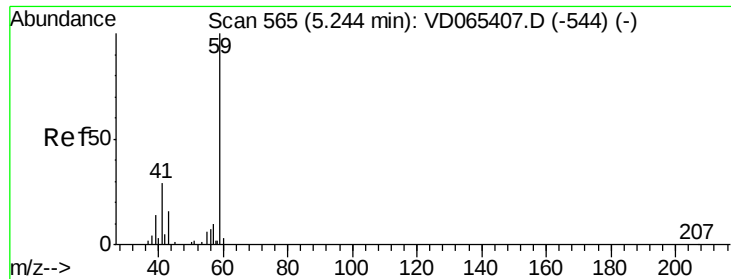
Delta R.T. -0.00 min

Lab File: VD065512.D

Acq: 16 Mar 2020 14:48

Tgt Ion:	142	Resp:	105693
Ion Ratio	Lower	Upper	
142	100		
127	43.1	35.0	52.6
141	14.6	12.4	18.6





#11

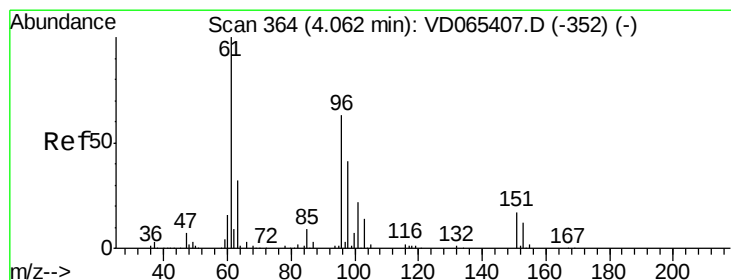
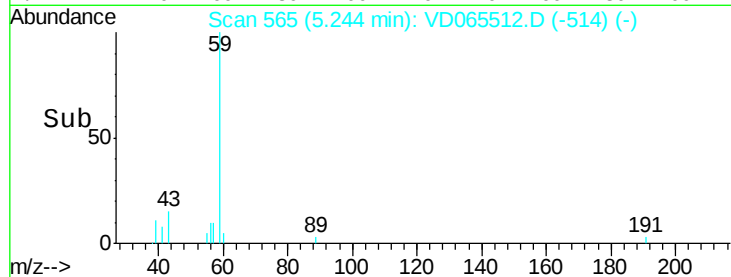
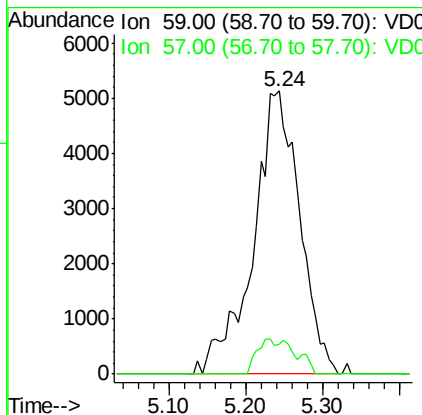
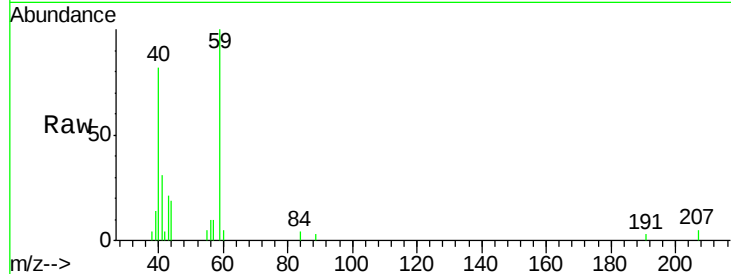
Tert butyl alcohol
Concen: 93.491 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.00 min
Lab File: VD065512.D
Acq: 16 Mar 2020 14:48

Instrument :
MSVOA_D
ClientSampleId :
VD0316SBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	21601		
57	5.8	6.9	10.3	

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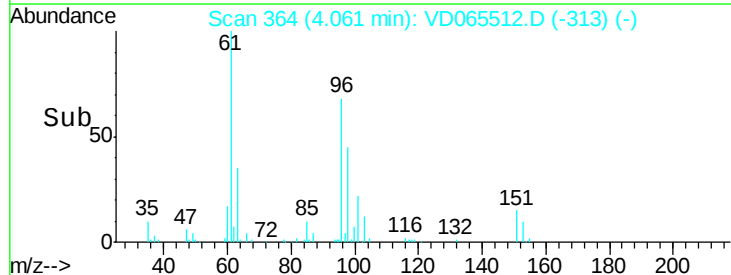
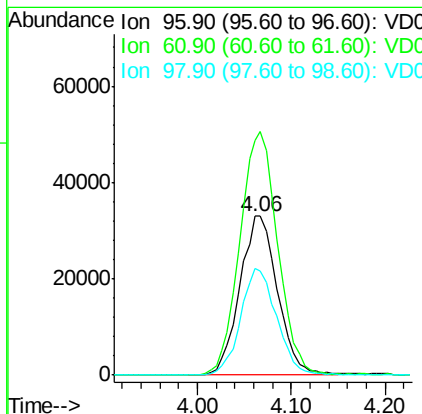
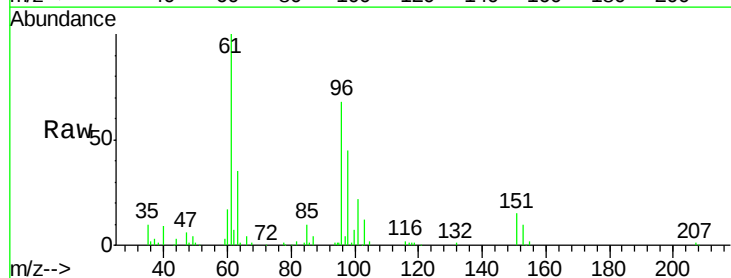
MMDadoda
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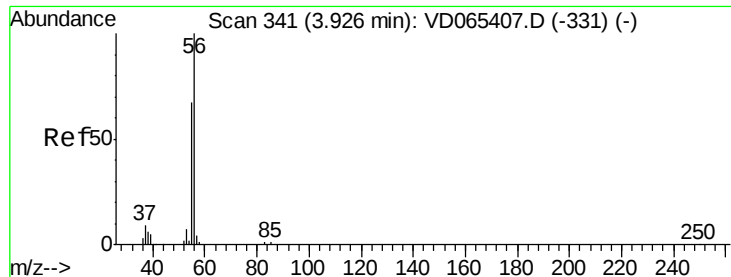


#12

1,1-Dichloroethene
Concen: 21.014 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.00 min
Lab File: VD065512.D
Acq: 16 Mar 2020 14:48

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	91774		
61	147.7	128.0	192.0	
98	67.0	51.9	77.9	





#13

Acrolein

Concen: 66.233 ug/l

RT: 3.93 min Scan# 342

Delta R.T. 0.01 min

Lab File: VD065512.D

Acq: 16 Mar 2020 14:48

Instrument :

MSVOA_D

ClientSampleId :

VD0316SBS01

Tot Ion: 56 Resp: 26392

Ion Ratio Lower Upper

56 100

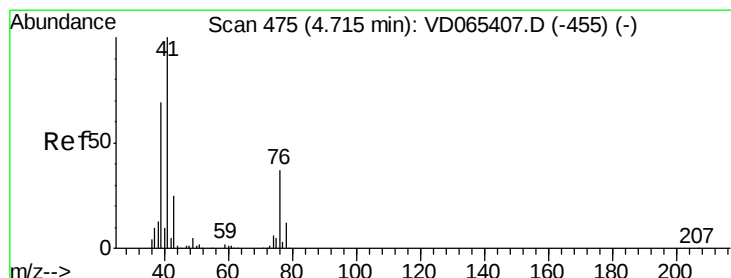
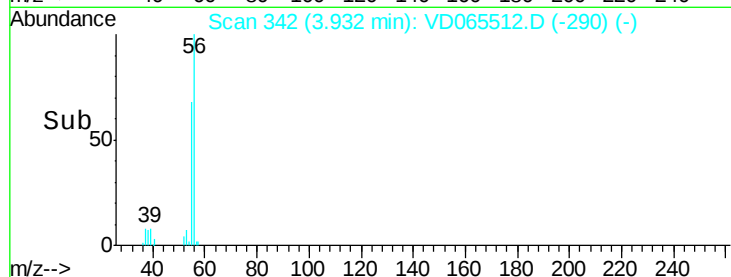
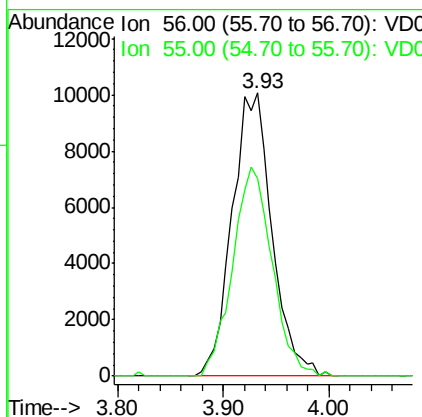
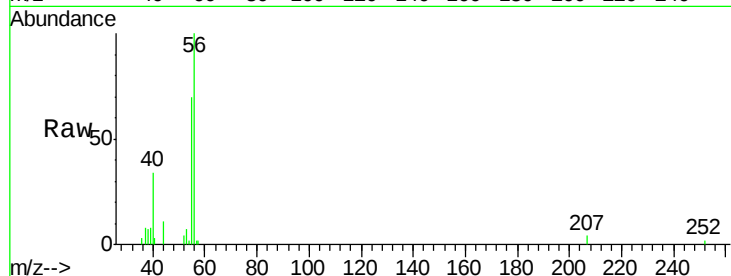
55 73.1 56.6 85.0

Manual Integrations

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#14

Allyl chloride

Concen: 20.708 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD065512.D

Acq: 16 Mar 2020 14:48

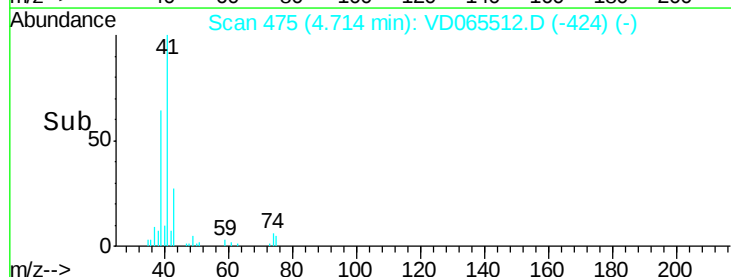
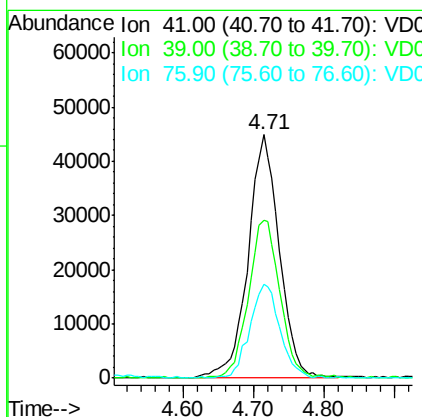
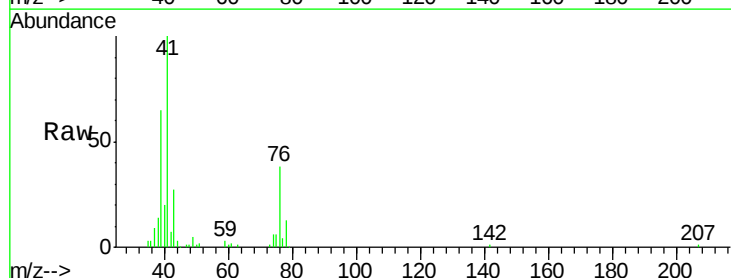
Tgt Ion: 41 Resp: 138925

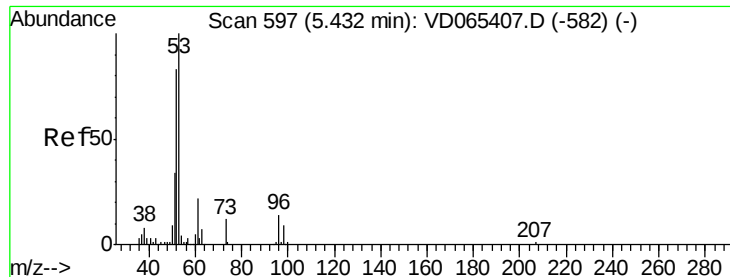
Ion Ratio Lower Upper

41 100

39 65.2 52.6 79.0

76 37.2 29.2 43.8





#15

Acrylonitrile

Concen: 100.006 ug/l

RT: 5.44 min Scan# 598

Delta R.T. 0.01 min

Lab File: VD065512.D

Acq: 16 Mar 2020 14:48

Instrument :

MSVOA_D

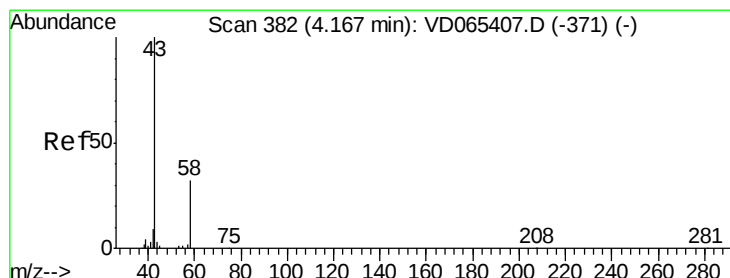
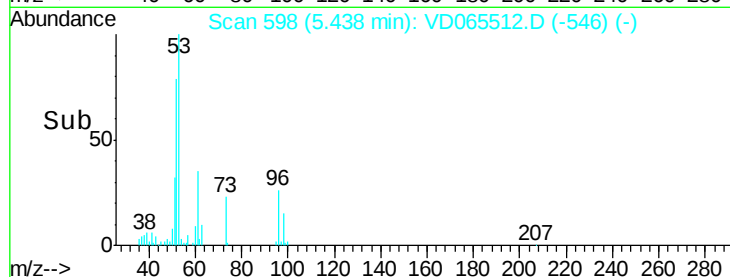
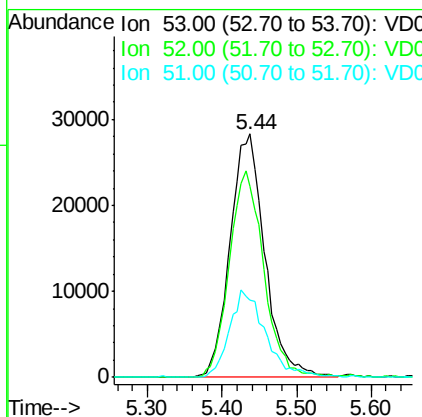
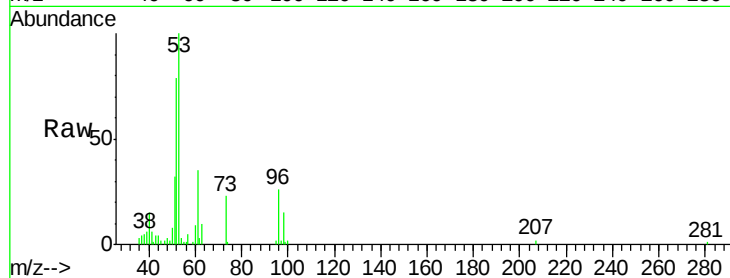
ClientSampleId :

VD0316SBS01

Tot Ion:	53	Resp:	91620
Ion	Ratio	Lower	Upper
53	100		
52	83.8	65.1	97.7
51	36.9	28.5	42.7

Manual Integrations
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#16

Acetone

Concen: 90.807 ug/l

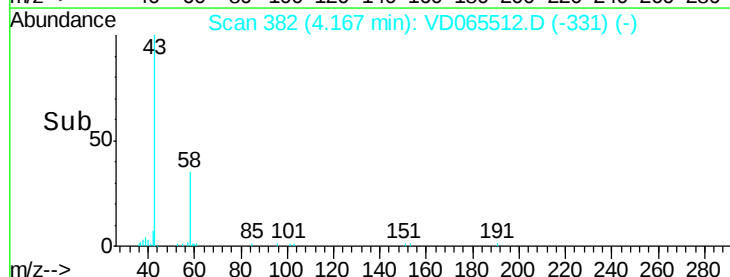
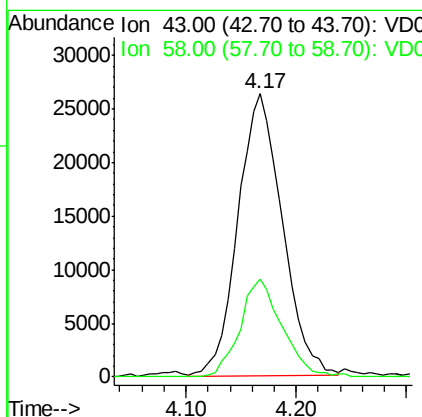
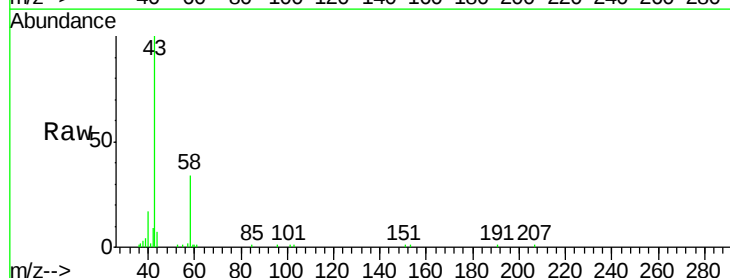
RT: 4.17 min Scan# 382

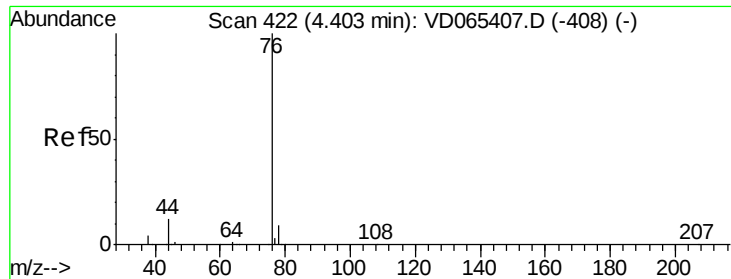
Delta R.T. -0.00 min

Lab File: VD065512.D

Acq: 16 Mar 2020 14:48

Tgt Ion:	43	Resp:	73975
Ion	Ratio	Lower	Upper
43	100		
58	34.7	25.1	37.7





#17

Carbon Disulfide

Concen: 20.297 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.01 min

Lab File: VD065512.D

Acq: 16 Mar 2020 14:48

Instrument :

MSVOA_D

ClientSampleId :

VD0316SBS01

Tot Ion: 76 Resp: 295185

Ion Ratio Lower Upper

76 100

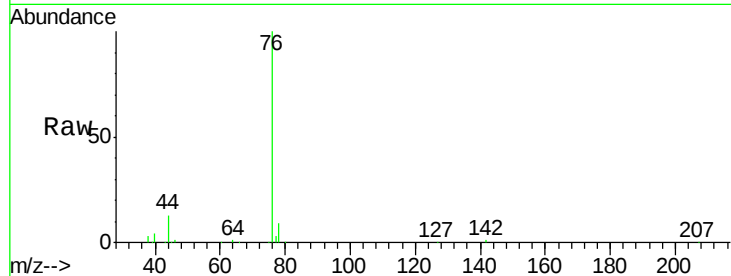
78 9.0 7.4 11.0

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

120000

100000

80000

60000

40000

20000

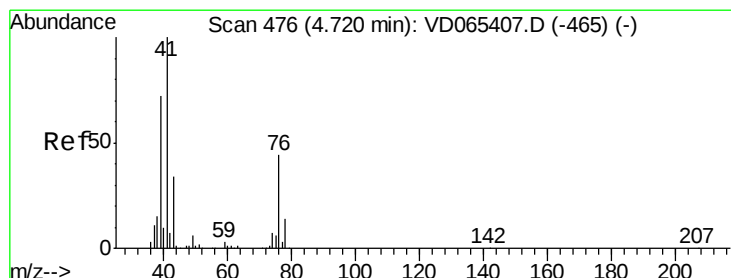
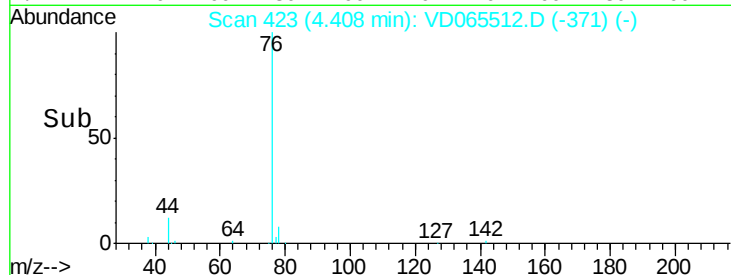
0

4.30

4.40

4.50

Time-->



#18

Methyl Acetate

Concen: 21.178 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.00 min

Lab File: VD065512.D

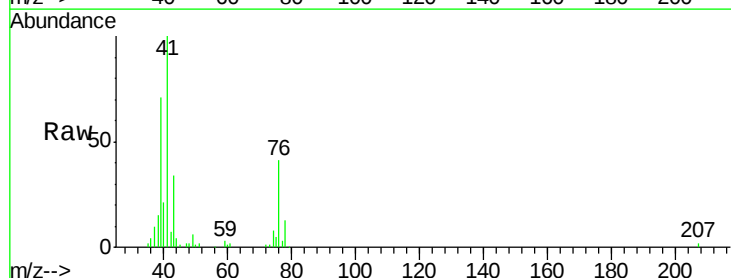
Acq: 16 Mar 2020 14:48

Tgt Ion: 43 Resp: 43764

Ion Ratio Lower Upper

43 100

74 21.7 19.6 29.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

15000

10000

5000

0

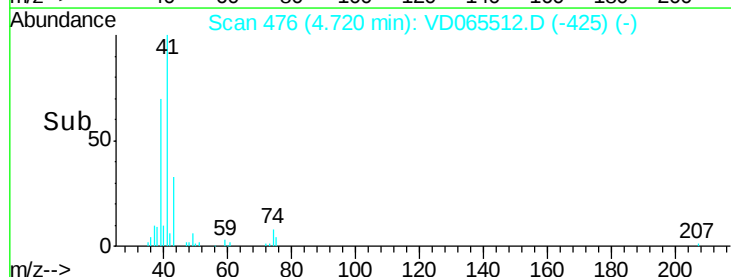
4.60

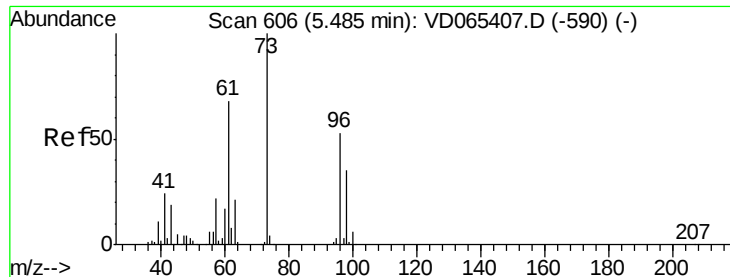
4.70

4.80

4.90

Time-->





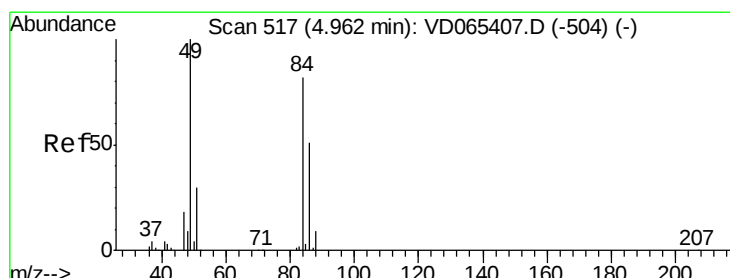
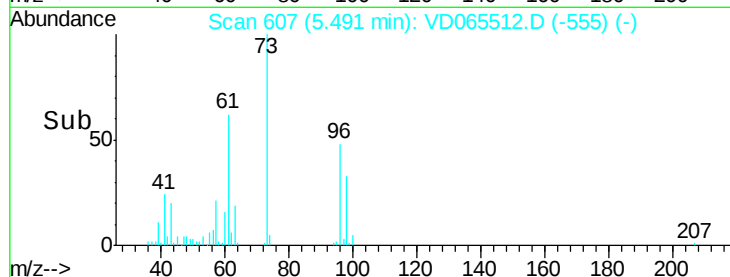
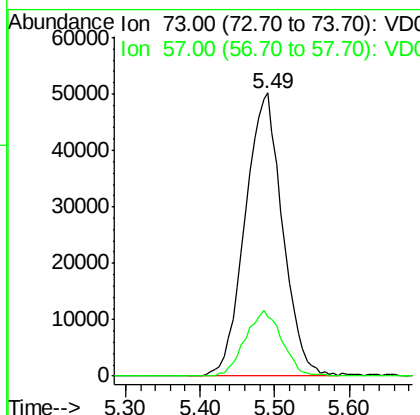
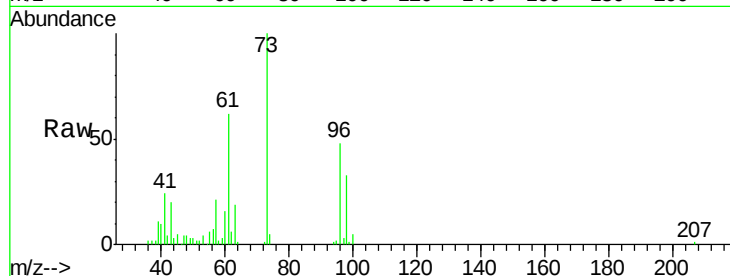
#19
Methyl tert-butyl Ether
Concen: 20.809 ug/l
RT: 5.49 min Scan# 607
Delta R.T. 0.01 min
Lab File: VD065512.D
Acq: 16 Mar 2020 14:48

Instrument :
MSVOA_D
ClientSampleId :
VD0316SBS01

Tot Ion: 73 Resp: 174757
Ion Ratio Lower Upper
73 100
57 20.8 17.3 25.9

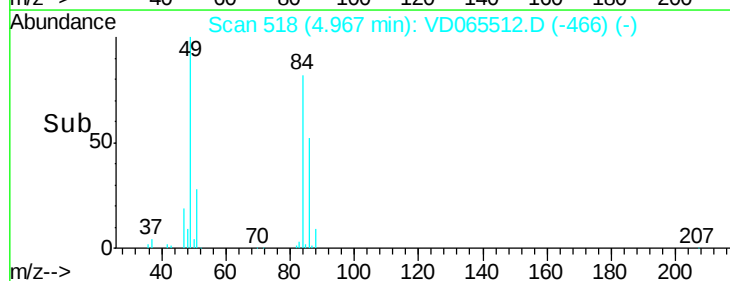
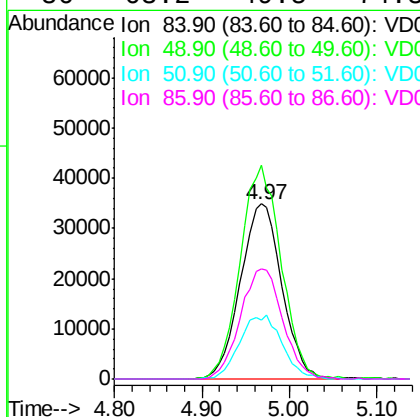
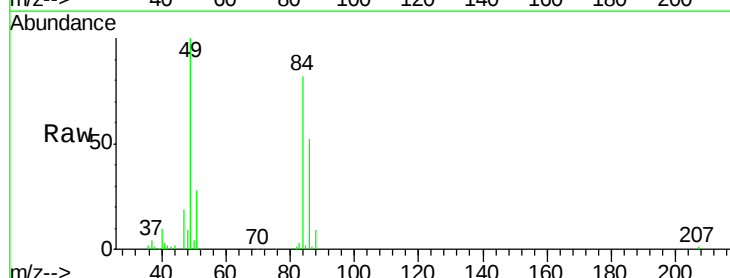
Manual Integrations
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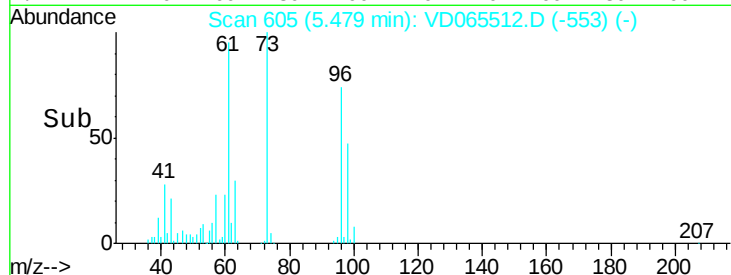
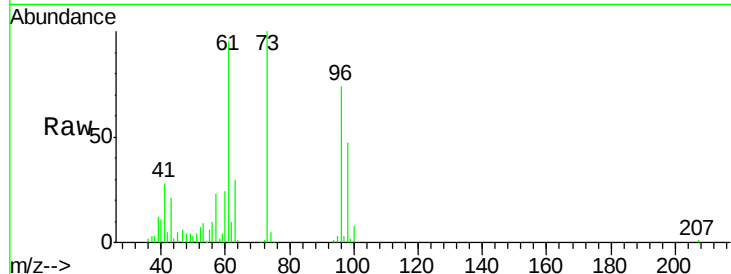
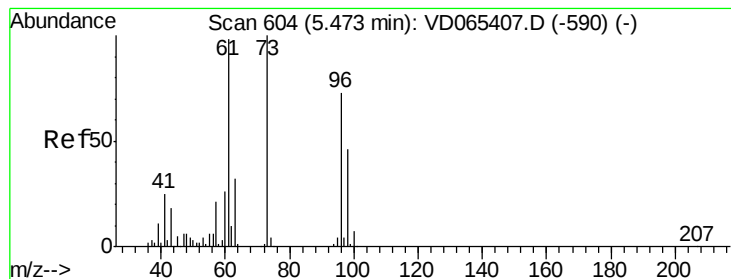
MMDadoda
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#20
Methylene Chloride
Concen: 23.602 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD065512.D
Acq: 16 Mar 2020 14:48

Tgt Ion: 84 Resp: 112485
Ion Ratio Lower Upper
84 100
49 122.2 97.7 146.5
51 33.9 28.8 43.2
86 63.2 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 21.645 ug/l

RT: 5.48 min Scan# 605

Delta R.T. 0.01 min

Lab File: VD065512.D

Acq: 16 Mar 2020 14:48

Tot Ion:	96	Resp:	105152
Ion	Ratio	Lower	Upper
96	100		
61	129.6	106.3	159.5
98	63.2	50.2	75.4

Instrument :

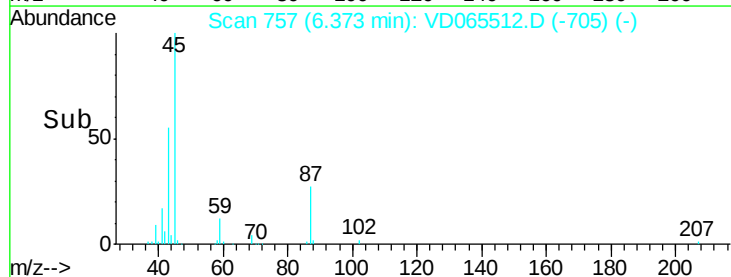
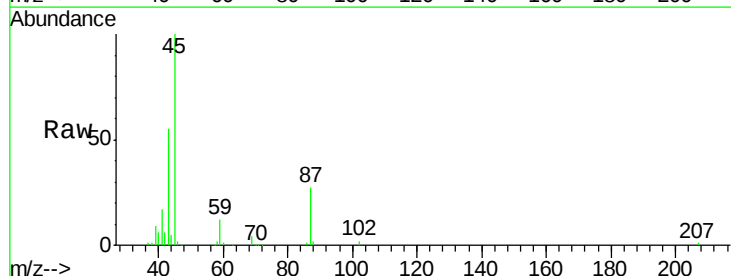
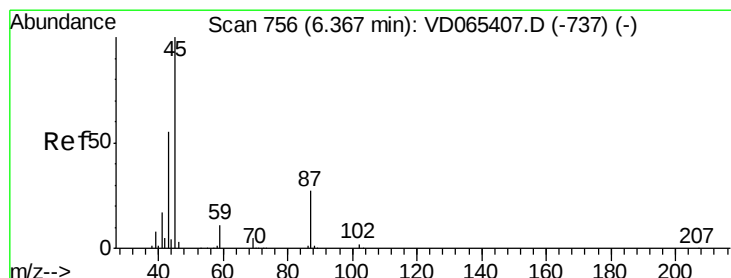
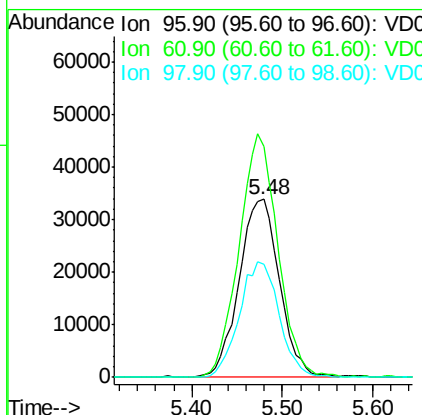
MSVOA_D

ClientSampleId :

VD0316SBS01

Manual Integrations
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#22

Diisopropyl ether

Concen: 22.246 ug/l

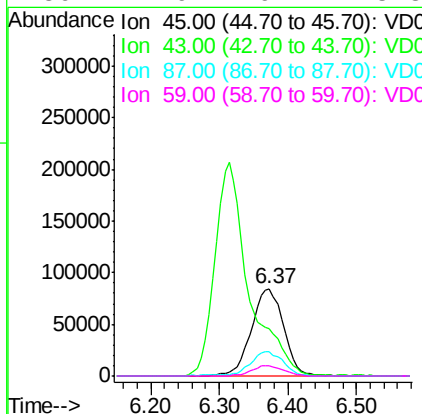
RT: 6.37 min Scan# 757

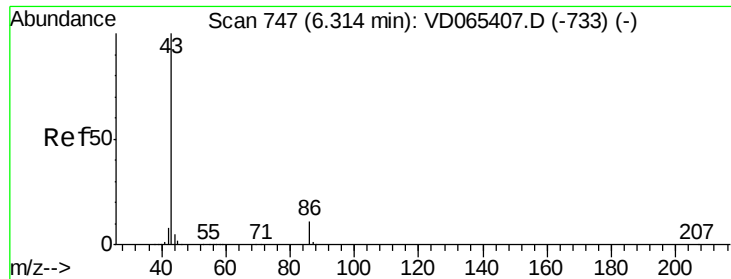
Delta R.T. 0.01 min

Lab File: VD065512.D

Acq: 16 Mar 2020 14:48

Tgt Ion:	45	Resp:	277435
Ion	Ratio	Lower	Upper
45	100		
43	53.5	44.4	66.6
87	27.2	21.9	32.9
59	11.9	9.2	13.8





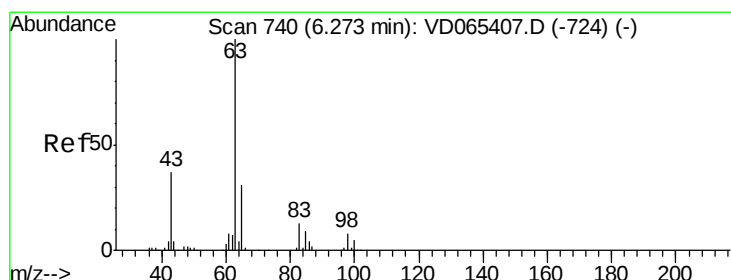
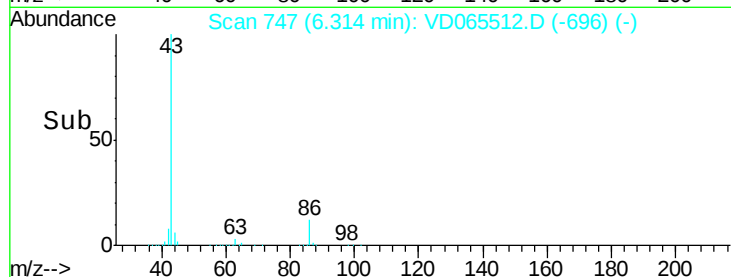
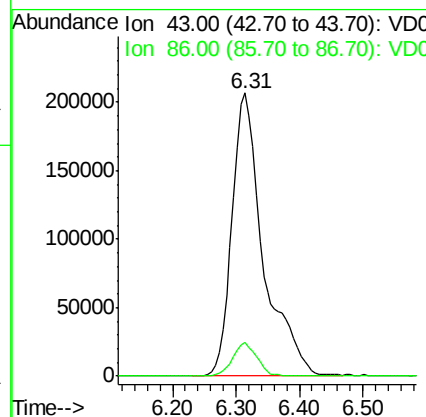
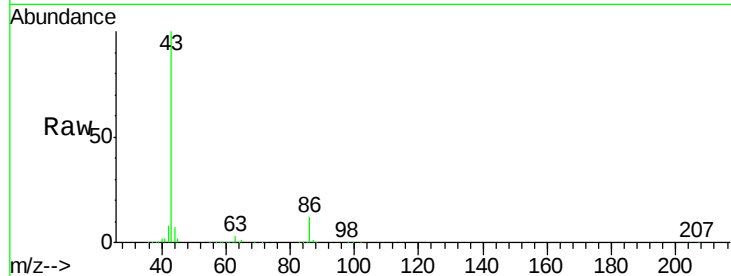
#23
 Vinyl Acetate
 Concen: 102.458 ug/l
 RT: 6.31 min Scan# 747
 Delta R.T. -0.00 min
 Lab File: VD065512.D
 Acq: 16 Mar 2020 14:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0316SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
86	11.8	8.9	13.3

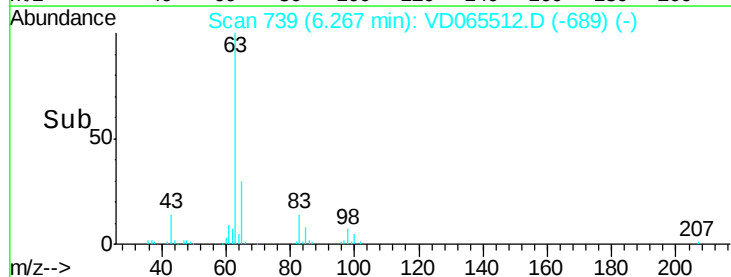
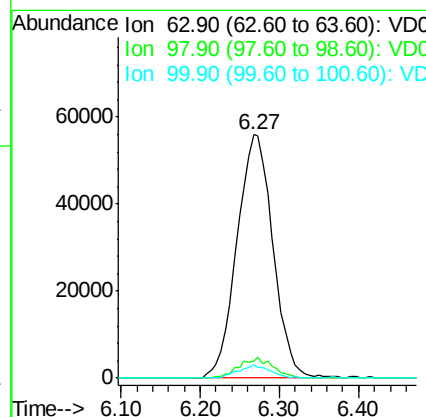
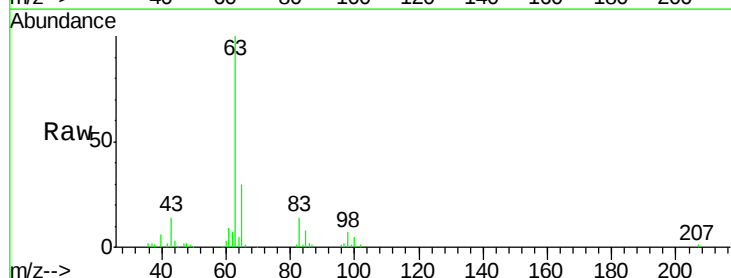
Manual Integrations
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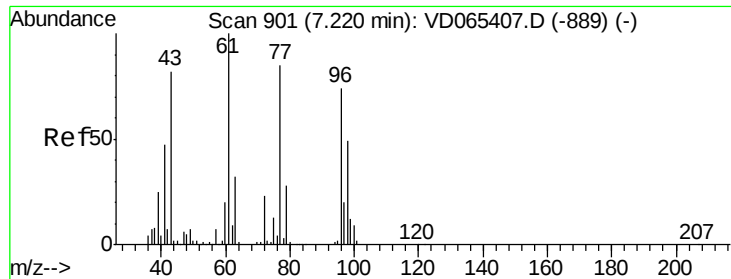
MMDadoda
 3/17/2020 12:09:55 PM



#24
 1,1-Dichloroethane
 Concen: 22.019 ug/l
 RT: 6.27 min Scan# 739
 Delta R.T. -0.01 min
 Lab File: VD065512.D
 Acq: 16 Mar 2020 14:48

Tgt Ion	Ratio	Lower	Upper
63	100		
98	7.2	4.2	12.6
100	5.4	2.4	7.2





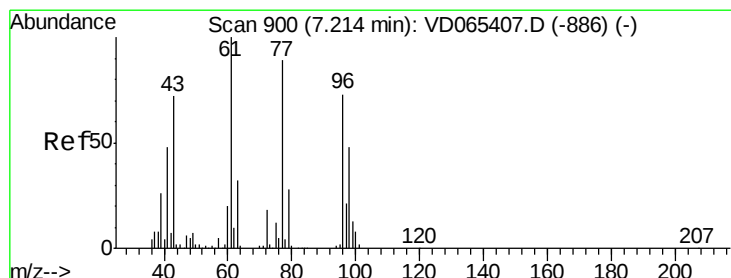
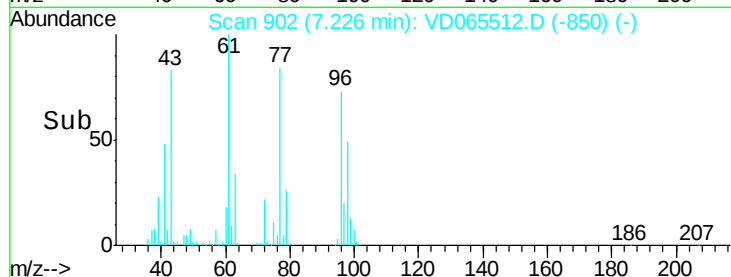
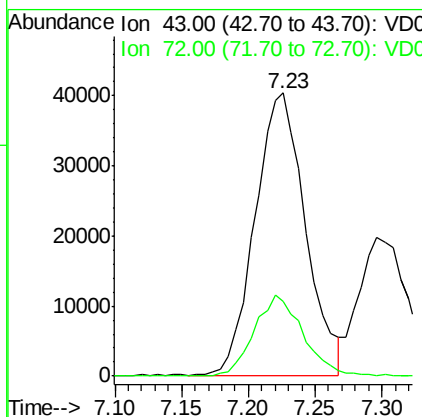
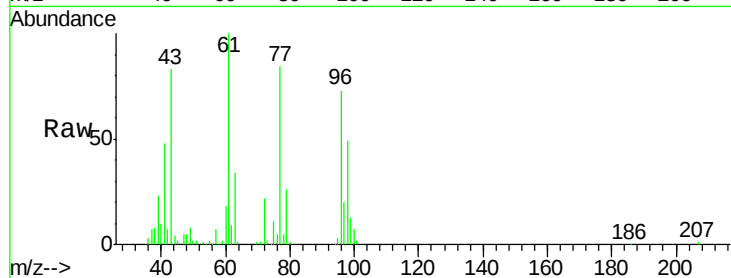
#25
2-Butanone
Concen: 95.469 ug/l
RT: 7.23 min Scan# 902
Delta R.T. 0.01 min
Lab File: VD065512.D
Acq: 16 Mar 2020 14:48

Instrument :
MSVOA_D
ClientSampleId :
VD0316SBS01

Tot Ion: 43 Resp: 106133
Ion Ratio Lower Upper
43 100
72 26.2 22.3 33.5

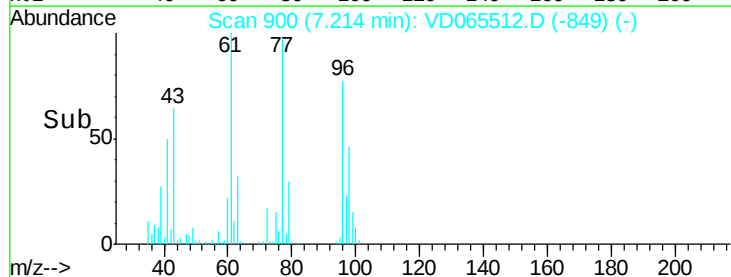
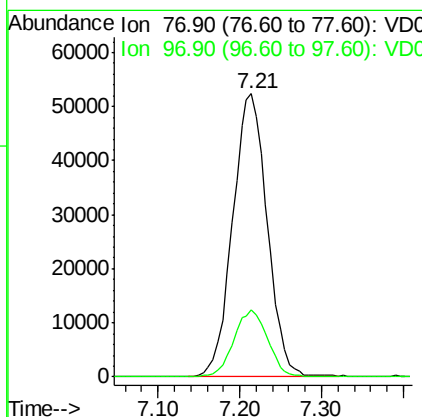
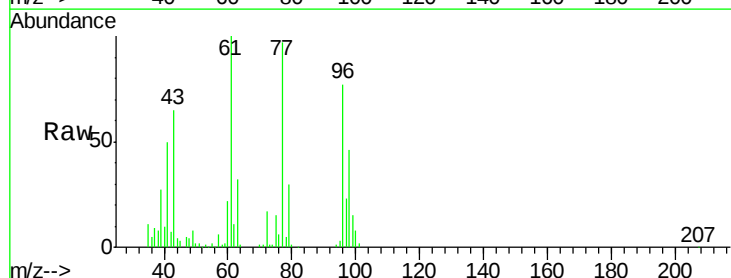
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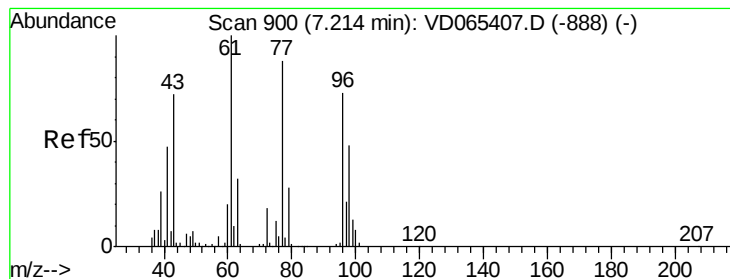
MMDadoda
3/17/2020 12:09:55 PM



#26
2,2-Dichloropropane
Concen: 22.028 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD065512.D
Acq: 16 Mar 2020 14:48

Tgt Ion: 77 Resp: 153984
Ion Ratio Lower Upper
77 100
97 23.1 11.8 35.4





#27

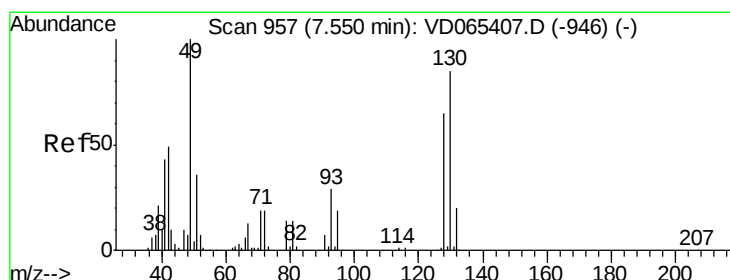
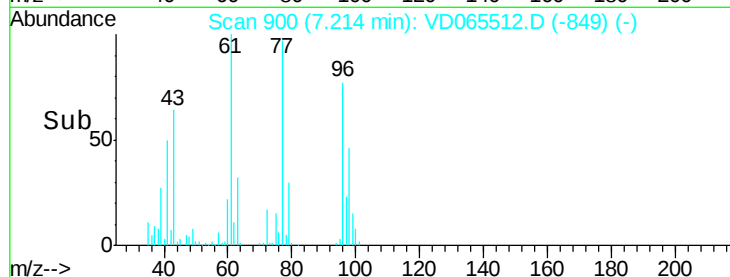
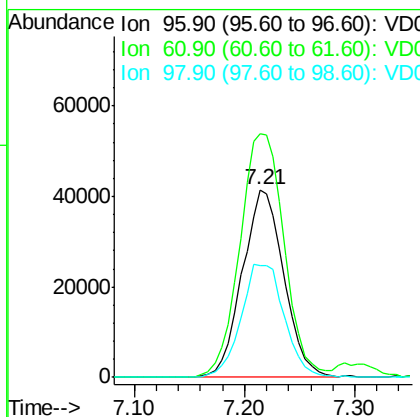
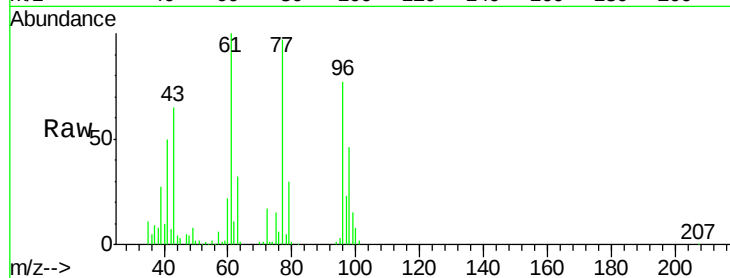
cis-1,2-Dichloroethene
 Concen: 22.078 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD065512.D
 Acq: 16 Mar 2020 14:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0316SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	109634		
61	138.1	0.0	280.4	
98	62.5	0.0	132.6	

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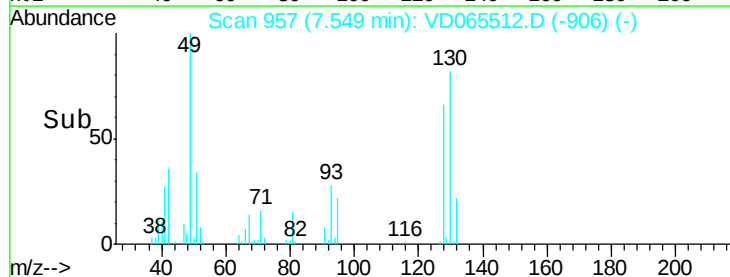
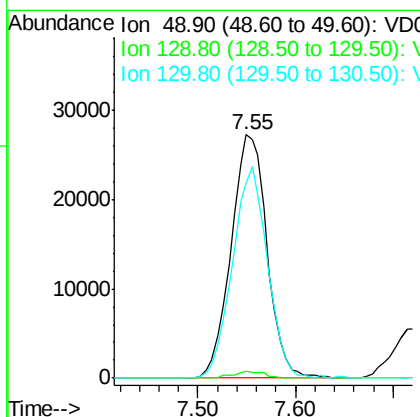
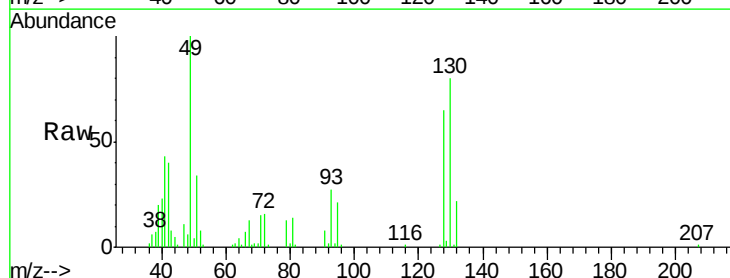
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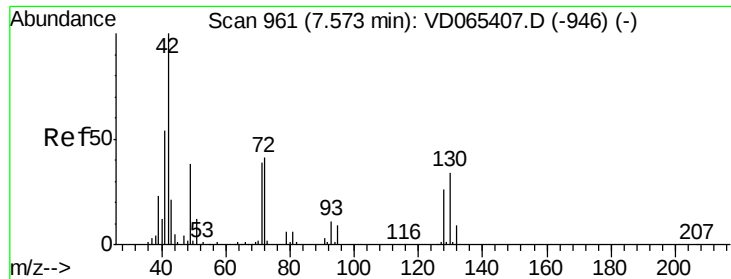


#28

Bromochloromethane
 Concen: 21.850 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VD065512.D
 Acq: 16 Mar 2020 14:48

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	69927		
129	2.4	0.0	4.6	
130	84.5	66.6	100.0	





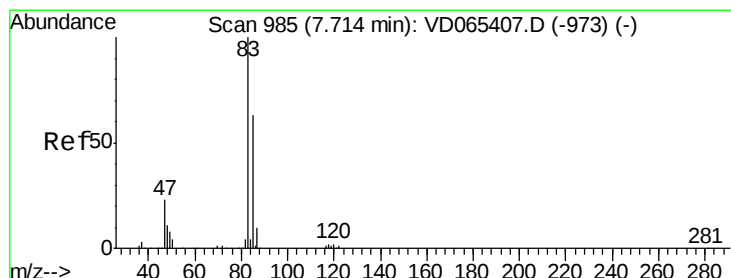
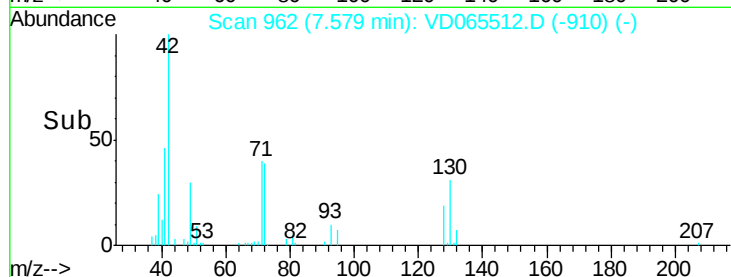
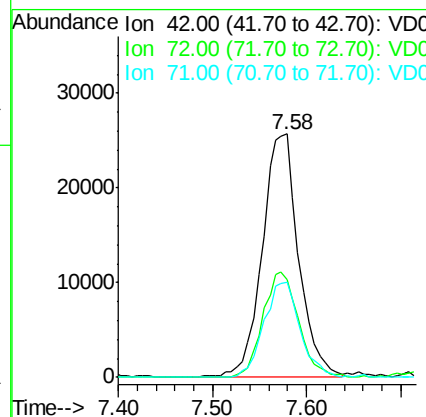
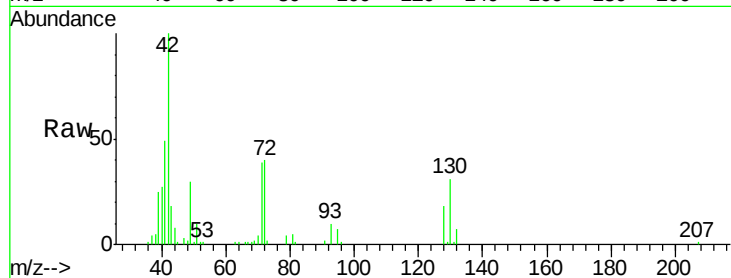
#29
Tetrahydrofuran
Concen: 96.888 ug/l
RT: 7.58 min Scan# 962
Delta R.T. 0.01 min
Lab File: VD065512.D
Acq: 16 Mar 2020 14:48

Instrument :
MSVOA_D
ClientSampleId :
VD0316SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.4	33.0	49.6
71	38.9	32.0	48.0

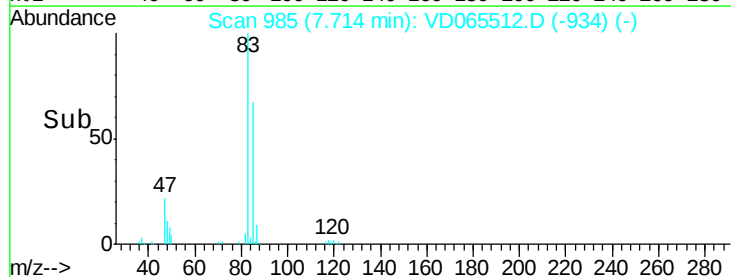
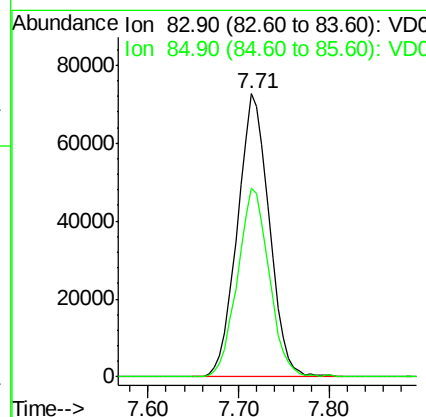
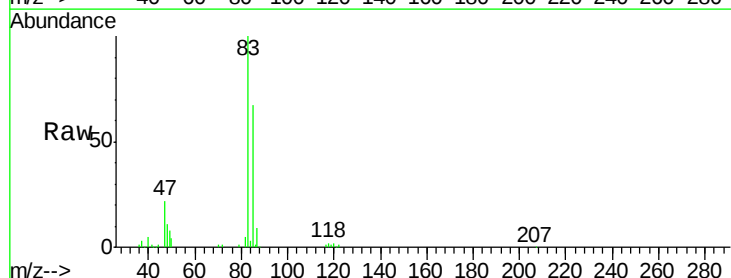
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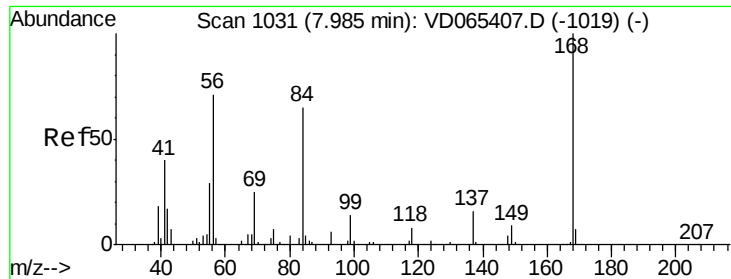
MMDadoda
3/17/2020 12:09:55 PM



#30
Chloroform
Concen: 22.154 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065512.D
Acq: 16 Mar 2020 14:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.6	50.3	75.5





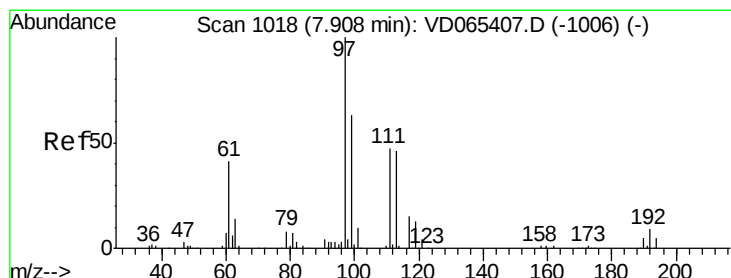
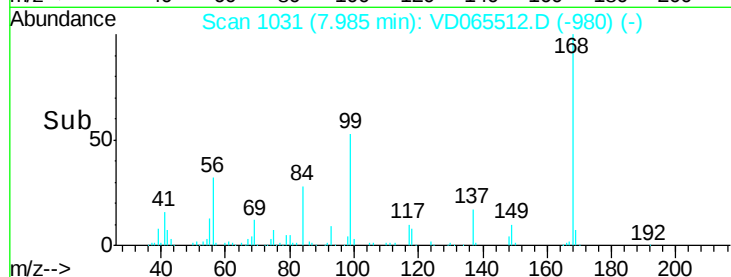
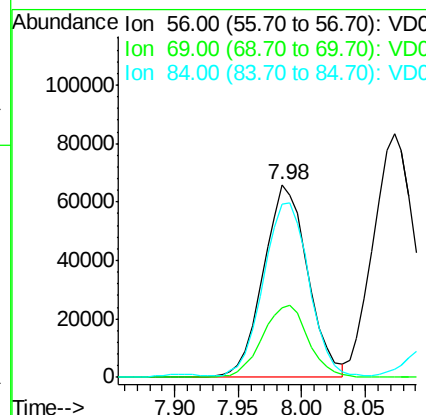
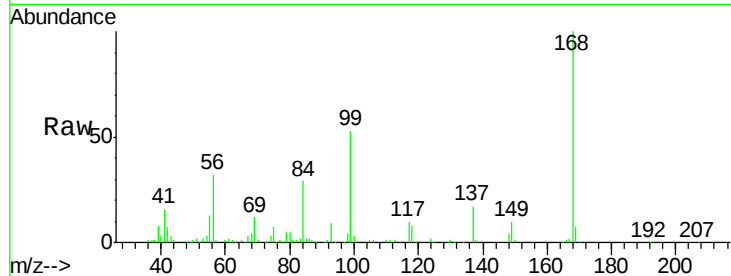
#31
Cyclohexane
Concen: 20.131 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065512.D
Acq: 16 Mar 2020 14:48

Instrument :
MSVOA_D
ClientSampleId :
VD0316SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.0	28.3	42.5
84	87.9	73.1	109.7

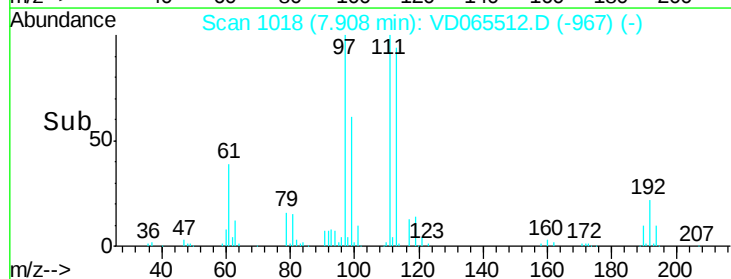
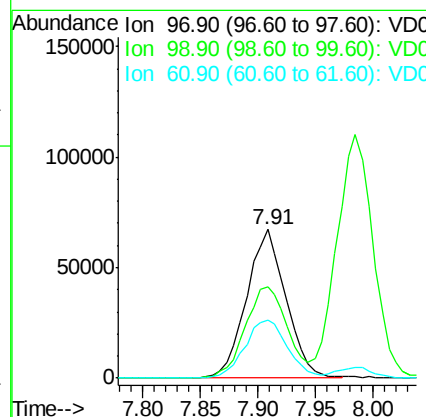
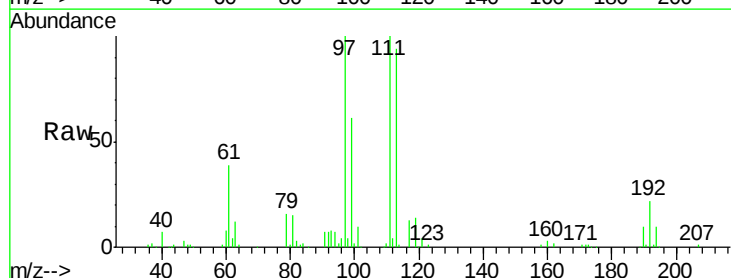
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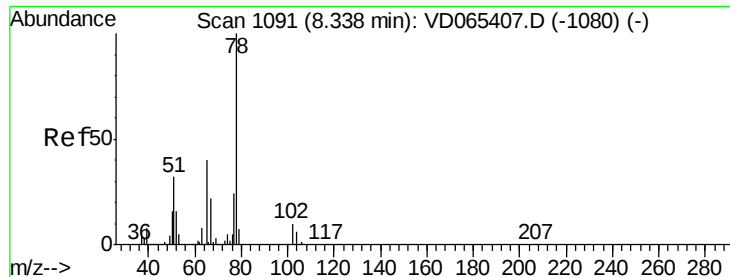
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#32
1,1,1-Trichloroethane
Concen: 21.656 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD065512.D
Acq: 16 Mar 2020 14:48

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.5	50.9	76.3
61	42.2	33.2	49.8





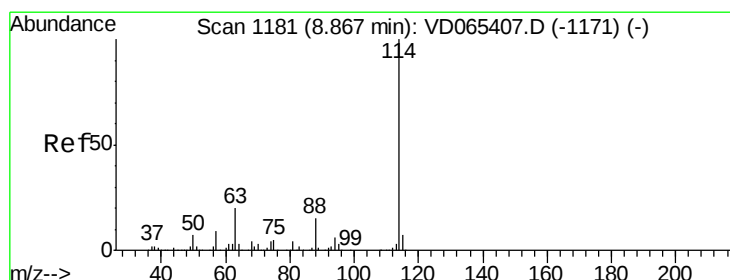
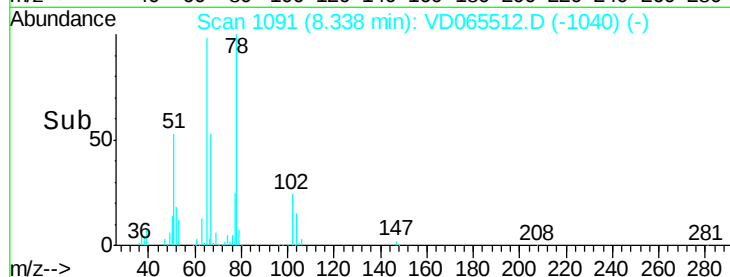
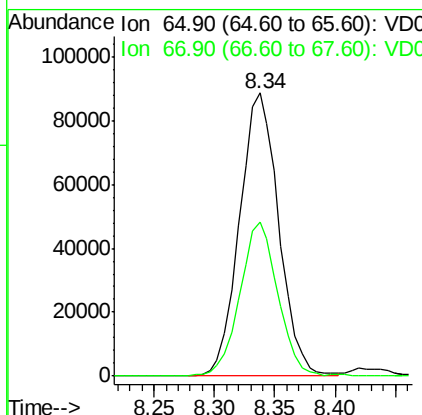
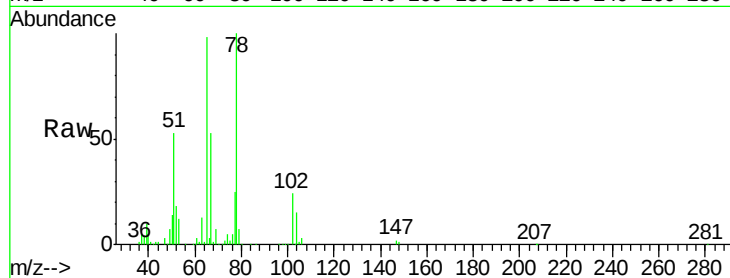
#33
 1,2-Dichloroethane-d4
 Concen: 49.803 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065512.D
 Acq: 16 Mar 2020 14:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0316SBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	108.0

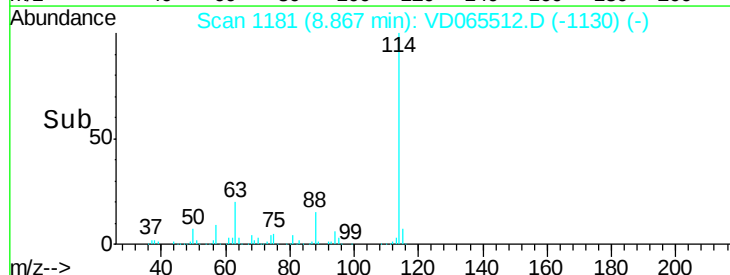
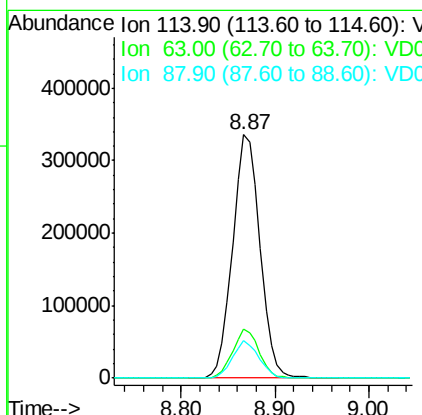
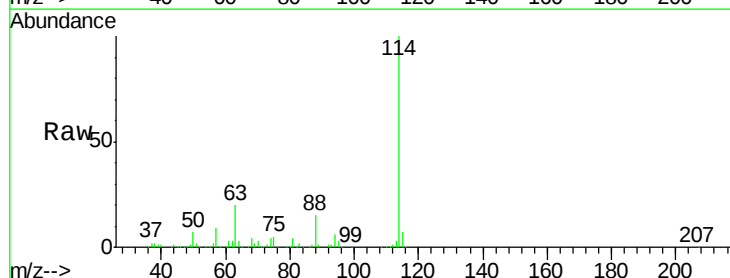
Manual Integrations
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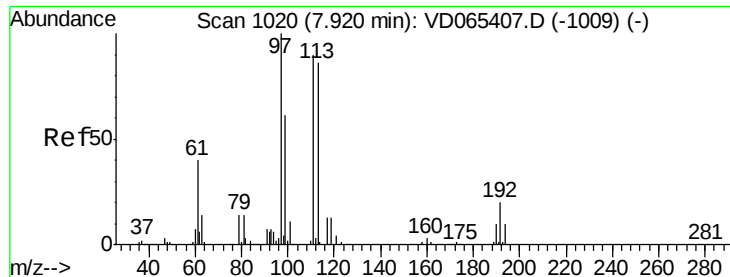
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065512.D
 Acq: 16 Mar 2020 14:48

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	39.6
88	15.5	0.0	30.4





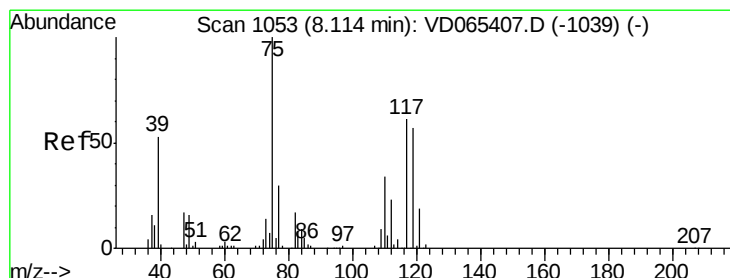
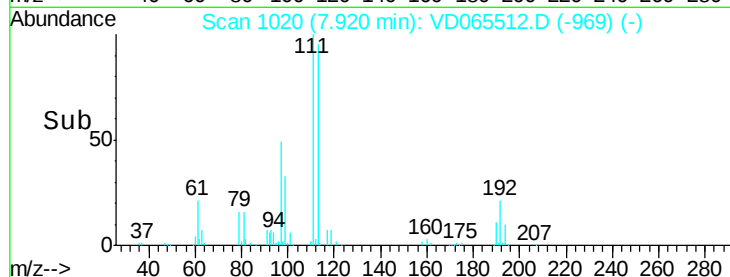
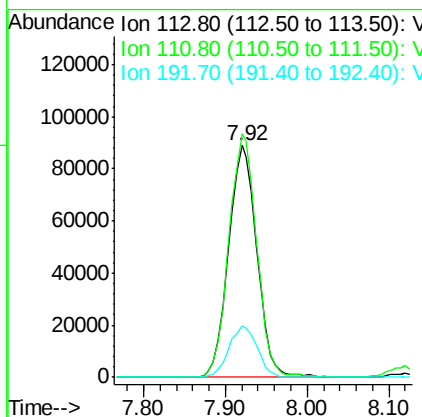
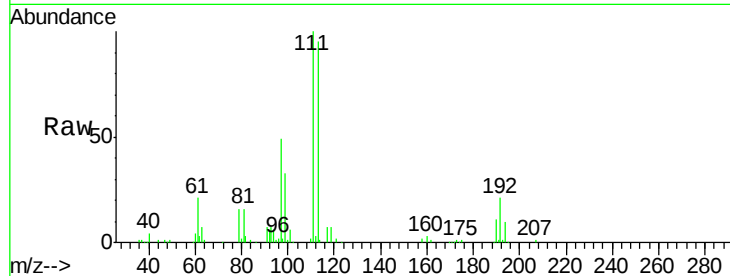
#35
Dibromofluoromethane
Concen: 50.978 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD065512.D
Acq: 16 Mar 2020 14:48

Instrument :
MSVOA_D
ClientSampleId :
VD0316SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	214618		
111	103.5	82.1	123.1	
192	22.4	17.2	25.8	

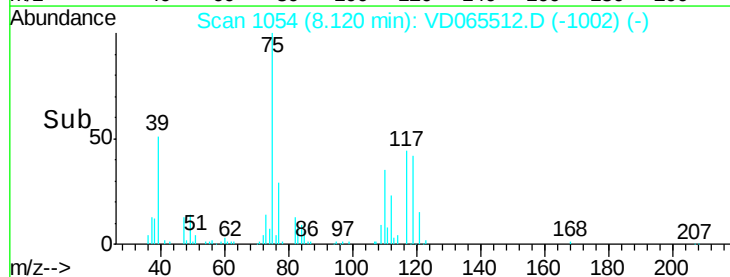
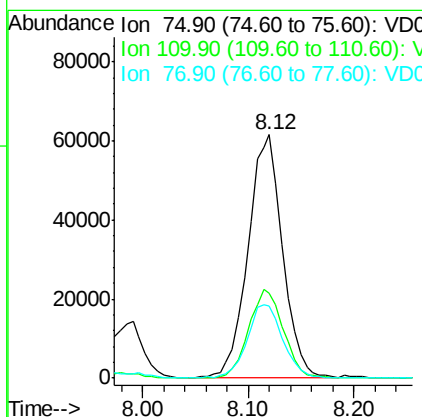
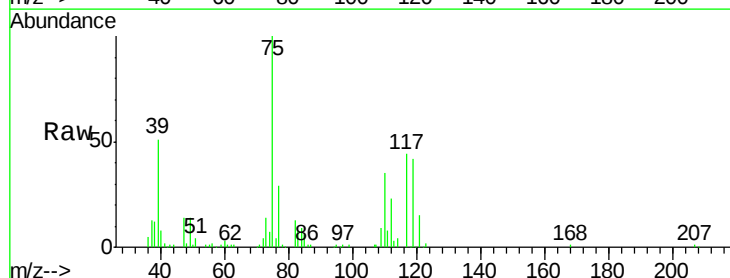
Manual Integrations
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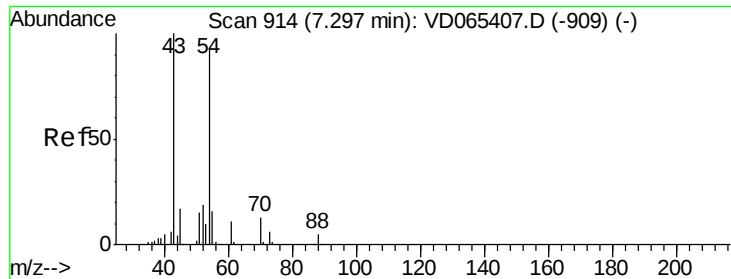
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#36
1,1-Dichloropropene
Concen: 21.255 ug/l
RT: 8.12 min Scan# 1054
Delta R.T. 0.01 min
Lab File: VD065512.D
Acq: 16 Mar 2020 14:48

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	138709		
110	36.9	18.1	54.1	
77	31.7	25.2	37.8	





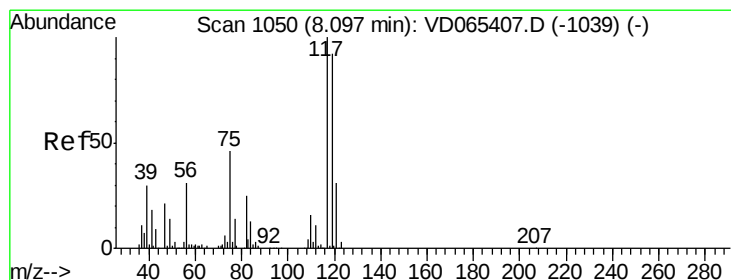
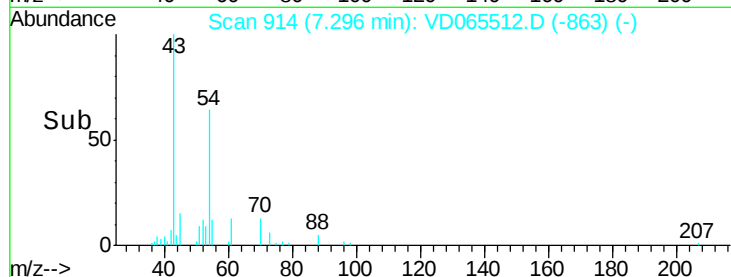
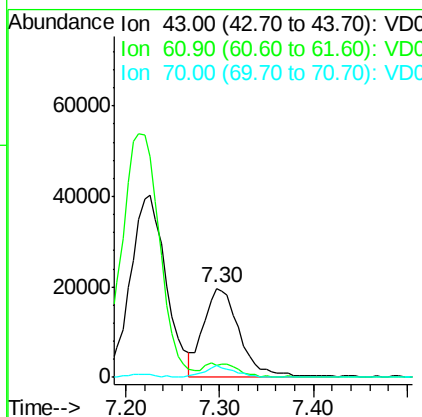
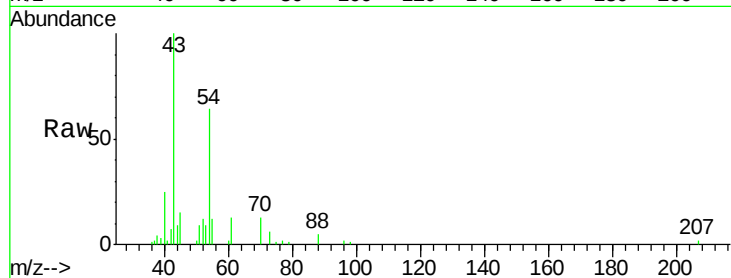
#37
Ethyl Acetate
Concen: 20.668 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD065512.D
Acq: 16 Mar 2020 14:48

Instrument :
MSVOA_D
ClientSampleId :
VD0316SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.4	11.4	17.0
70	10.7	9.0	13.4

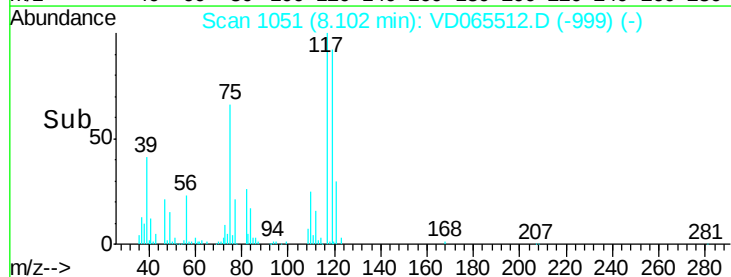
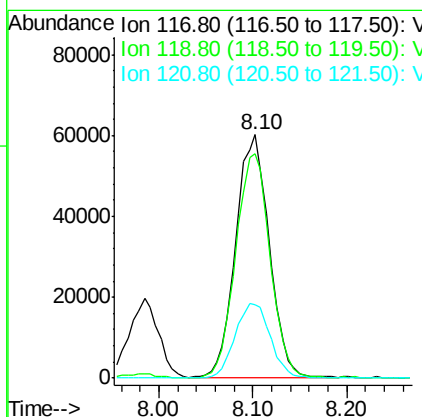
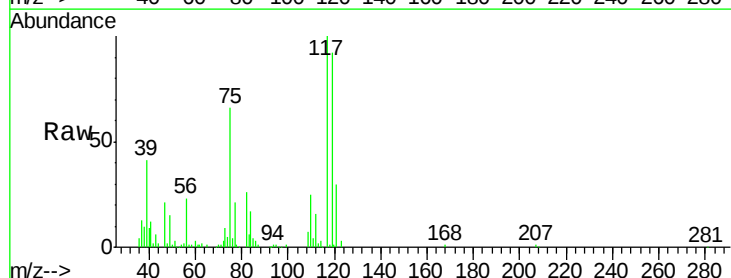
Manual Integrations
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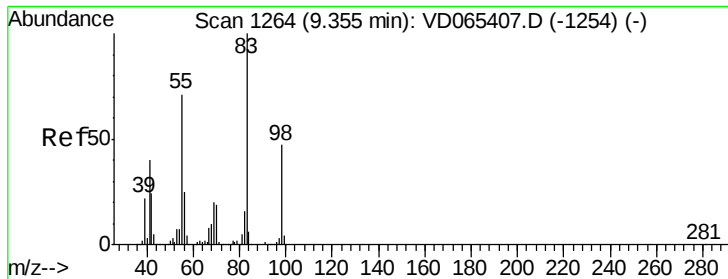
MMDadoda
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#38
Carbon Tetrachloride
Concen: 21.958 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD065512.D
Acq: 16 Mar 2020 14:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.5	73.3	109.9
121	30.0	25.0	37.4





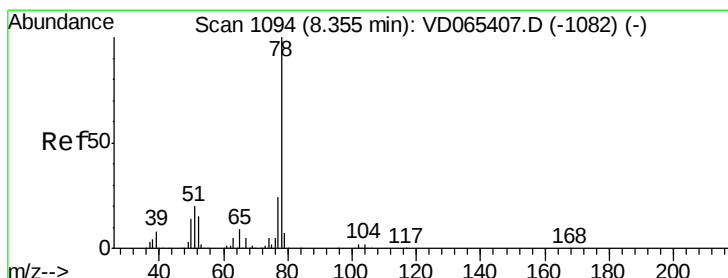
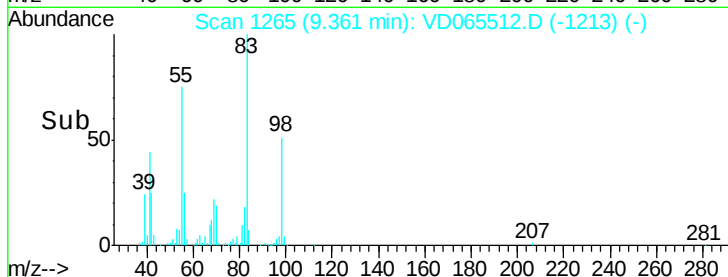
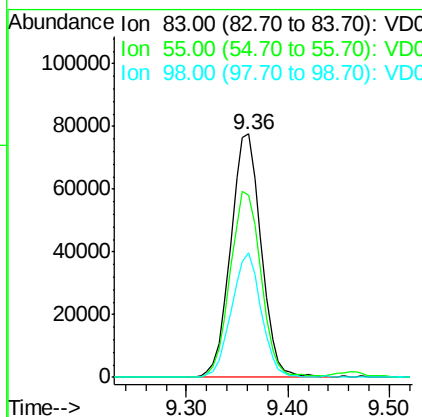
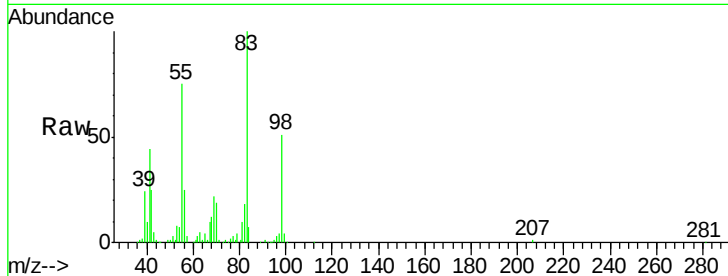
#39
Methvlcvclohexane
Concen: 20.555 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD065512.D
Acq: 16 Mar 2020 14:48

Instrument :
MSVOA_D
ClientSampleId :
VD0316SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.9	57.1	85.7
98	50.9	37.8	56.8

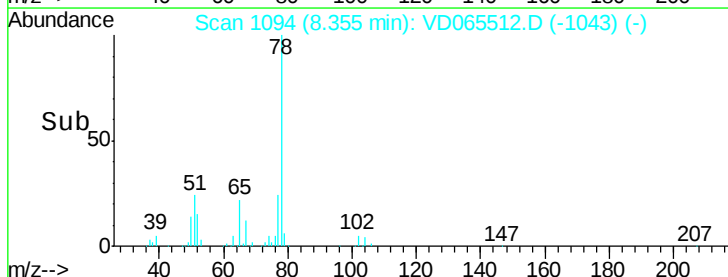
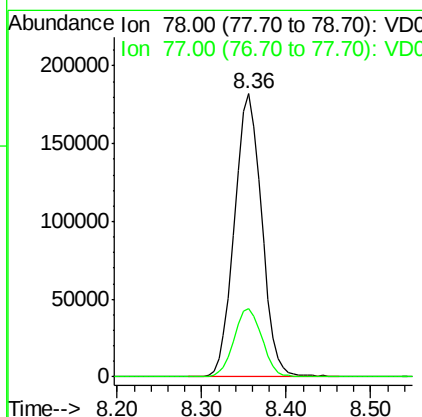
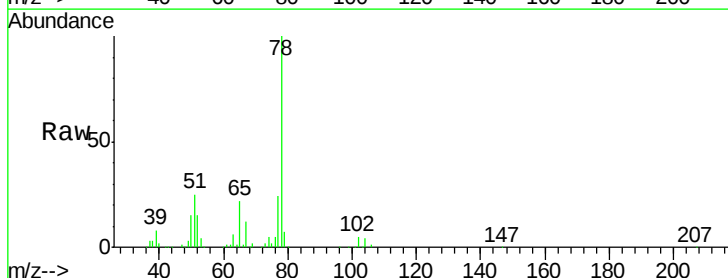
Manual Integrations
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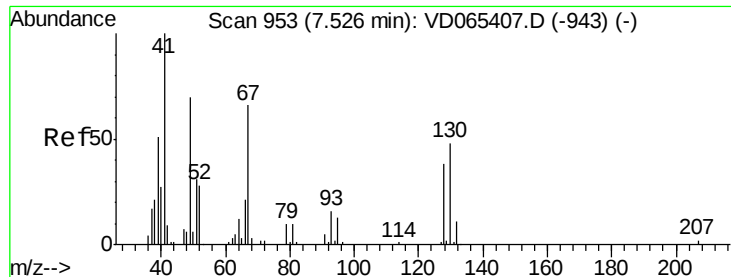
MMDadoda
3/17/2020 12:09:55 PM



#40
Benzene
Concen: 22.215 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065512.D
Acq: 16 Mar 2020 14:48

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.4	29.0





#41

Methacrylonitrile

Concen: 19.814 ug/l

RT: 7.53 min Scan# 954

Delta R.T. 0.01 min

Lab File: VD065512.D

Acq: 16 Mar 2020 14:48

Instrument :

MSVOA_D

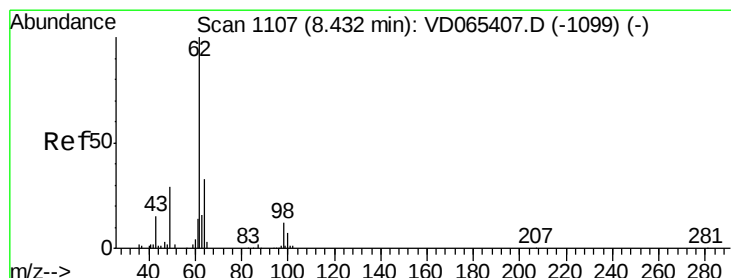
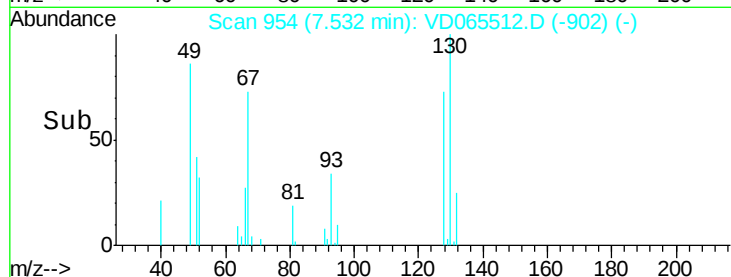
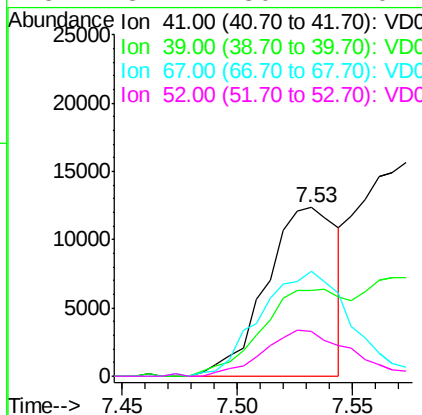
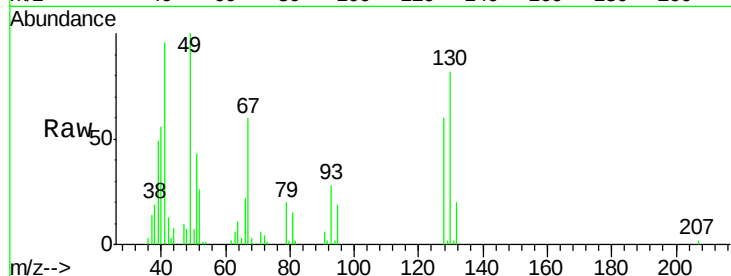
ClientSampleId :

VD0316SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		26431		
39	62.8	55.0	82.6		
67	80.2	70.3	105.5		
52	34.4	30.7	46.1		

Manual Integrations
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3/17/2020 12:09:55 PM



#42

1,2-Dichloroethane

Concen: 21.444 ug/l

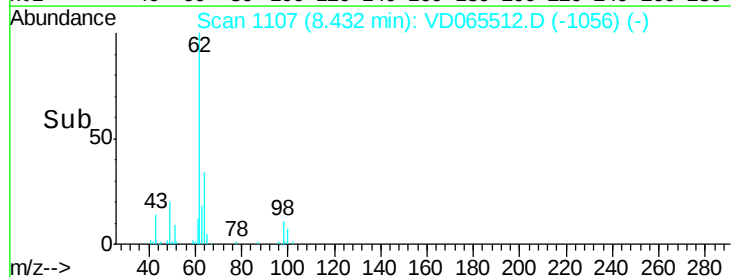
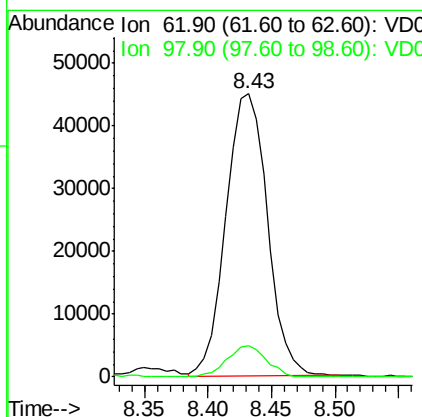
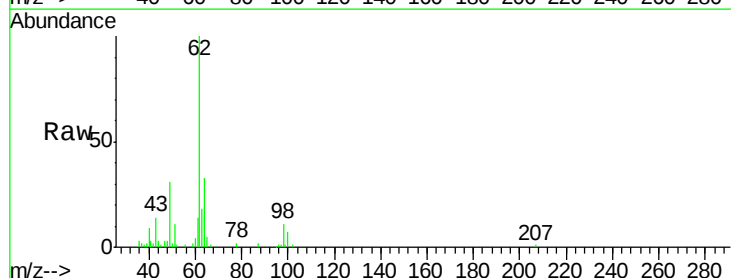
RT: 8.43 min Scan# 1107

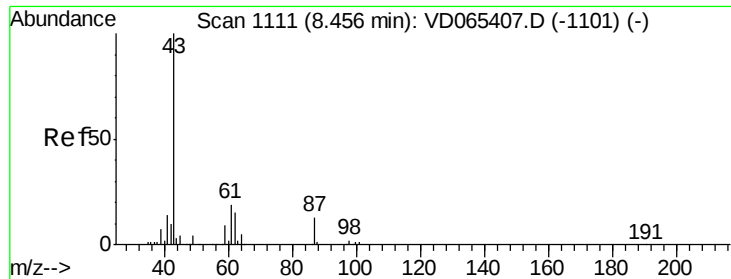
Delta R.T. -0.00 min

Lab File: VD065512.D

Acq: 16 Mar 2020 14:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		102169		
98	10.6	0.0	21.4		





#43

Isopropyl Acetate

Concen: 19.868 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD065512.D

Acq: 16 Mar 2020 14:48

Instrument :

MSVOA_D

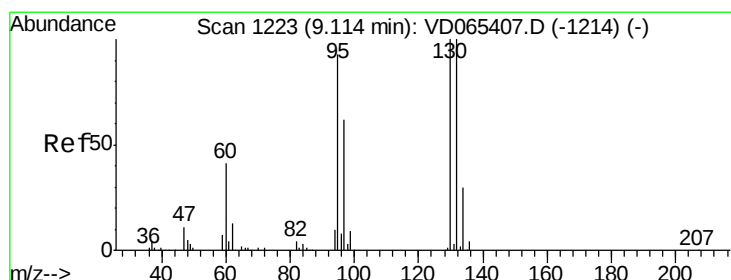
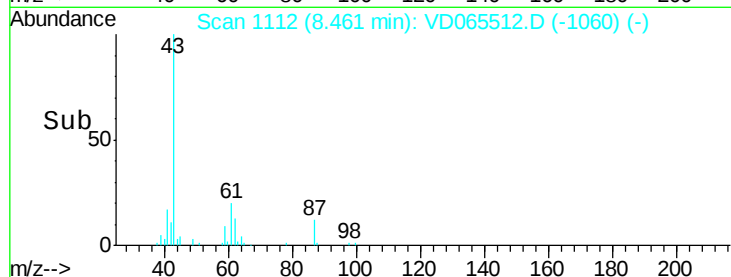
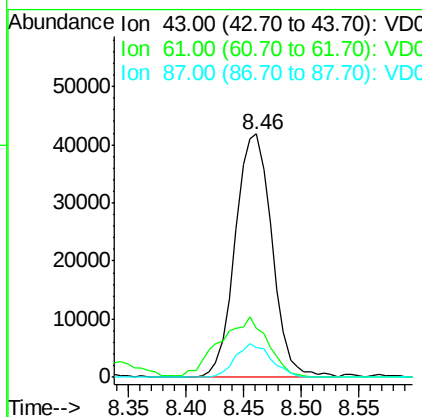
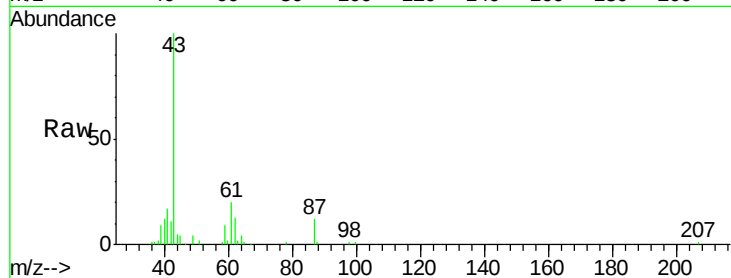
ClientSampleId :

VD0316SBS01

Tot Ion:	43	Resp:	92533
Ion	Ratio	Lower	Upper
43	100		
61	33.1	25.0	37.6
87	13.4	11.0	16.4

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#44

Trichloroethene

Concen: 22.124 ug/l

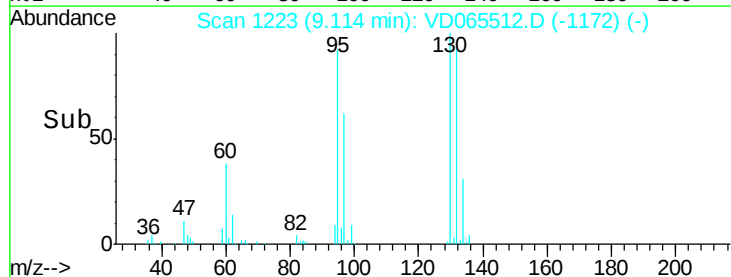
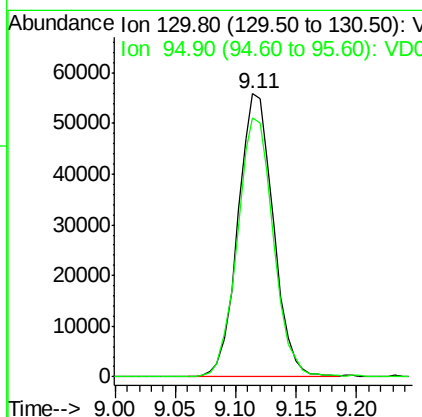
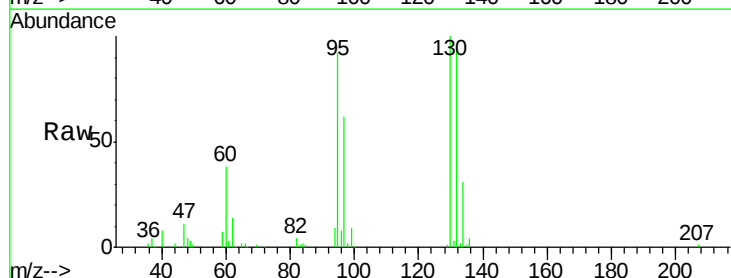
RT: 9.11 min Scan# 1223

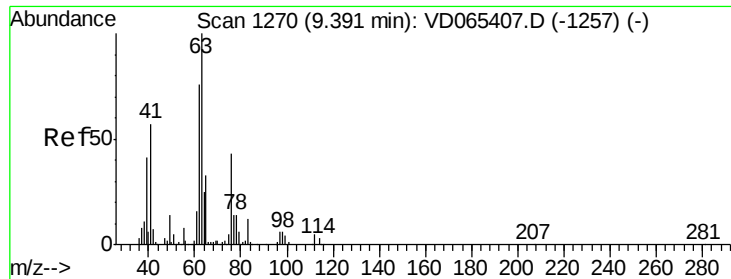
Delta R.T. -0.00 min

Lab File: VD065512.D

Acq: 16 Mar 2020 14:48

Tgt Ion:	130	Resp:	114001
Ion	Ratio	Lower	Upper
130	100		
95	91.6	0.0	186.0





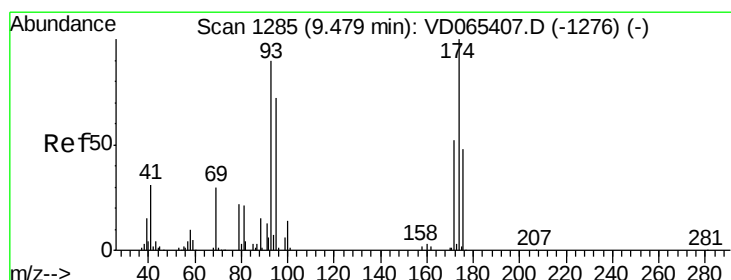
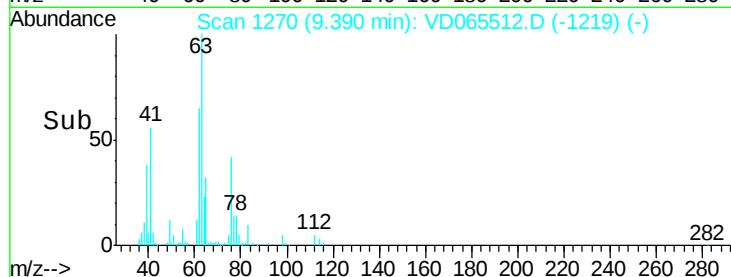
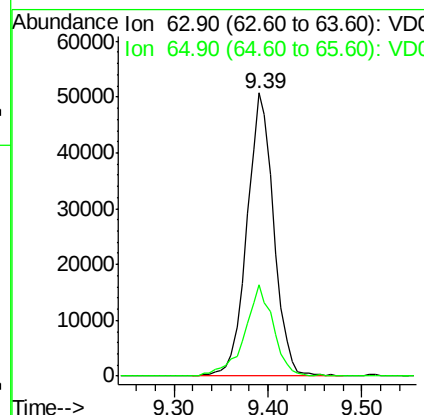
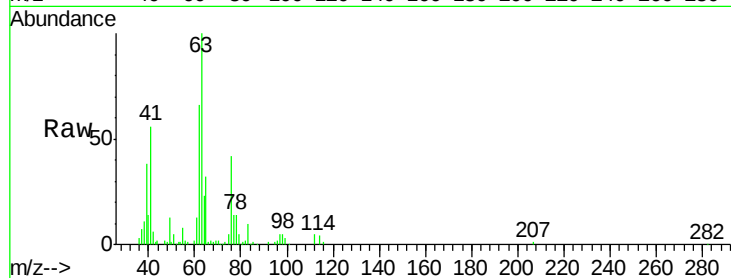
#45
 1,2-Dichloropropane
 Concen: 22.600 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065512.D
 Acq: 16 Mar 2020 14:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0316SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.1	26.4	39.6

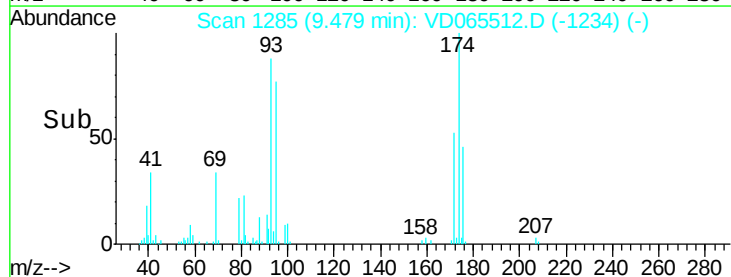
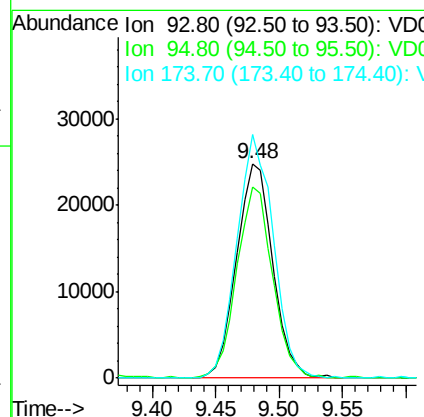
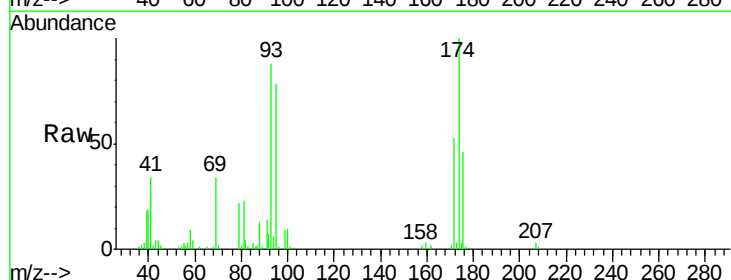
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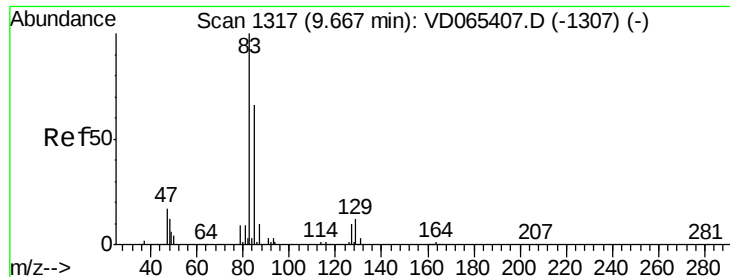
MMDadoda
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#46
 Dibromomethane
 Concen: 21.438 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD065512.D
 Acq: 16 Mar 2020 14:48

Tgt Ion	Ratio	Lower	Upper
93	100		
95	88.2	65.0	97.6
174	114.4	88.3	132.5





#47

Bromodichloromethane

Concen: 22.220 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065512.D

Acq: 16 Mar 2020 14:48

Instrument :

MSVOA_D

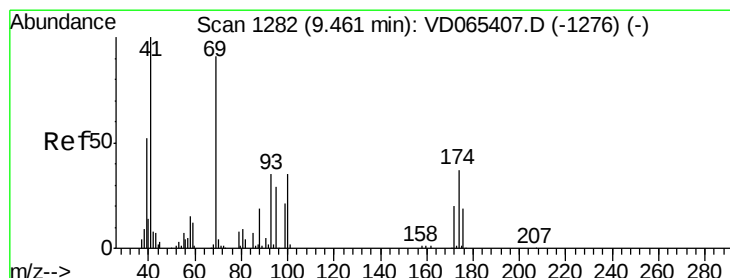
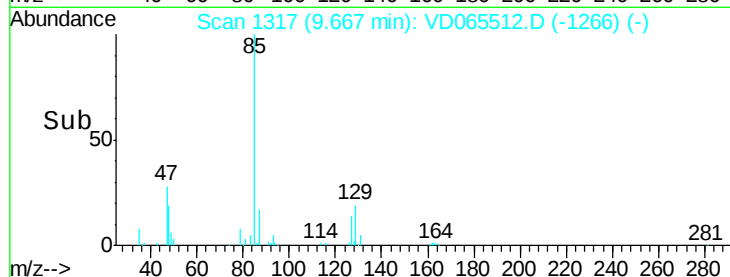
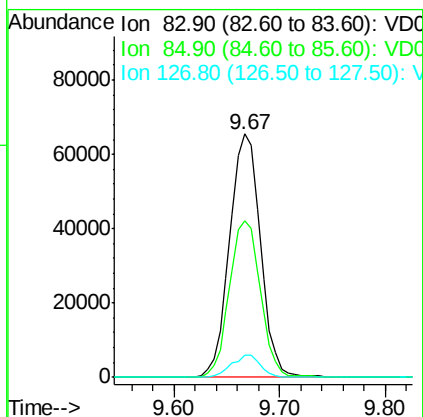
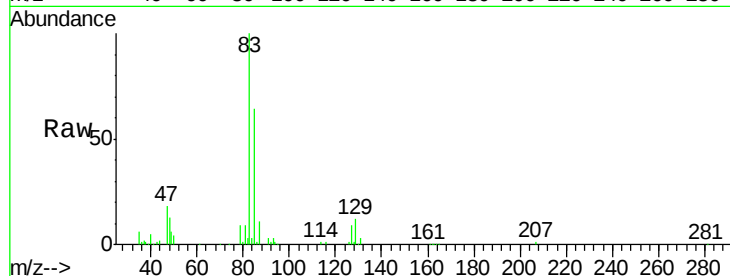
ClientSampleId :

VD0316SBS01

Tot Ion:	83	Resp:	132526
Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.8	79.2
127	8.9	8.0	12.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.652 ug/l

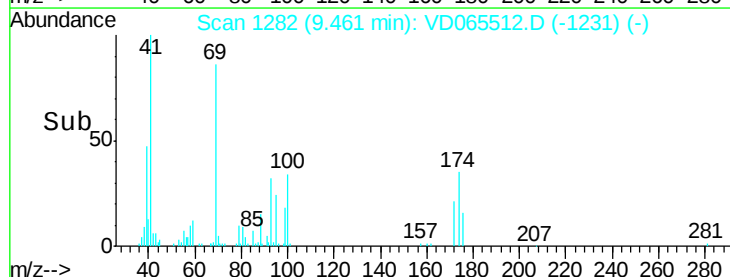
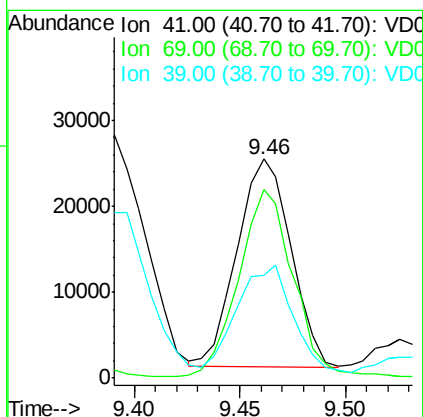
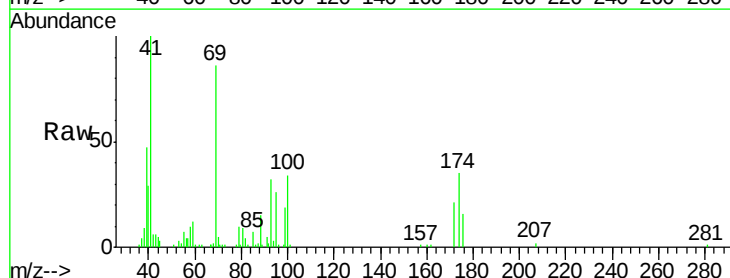
RT: 9.46 min Scan# 1282

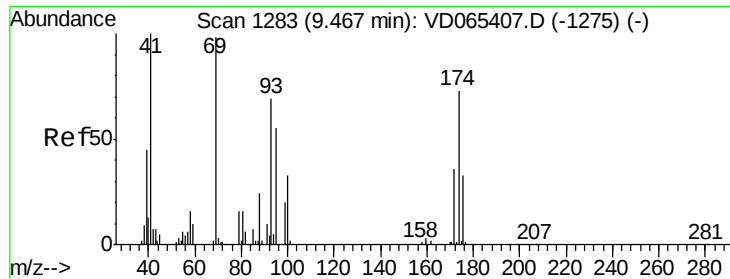
Delta R.T. -0.00 min

Lab File: VD065512.D

Acq: 16 Mar 2020 14:48

Tgt Ion:	41	Resp:	43052
Ion	Ratio	Lower	Upper
41	100		
69	91.0	72.5	108.7
39	53.0	41.6	62.4





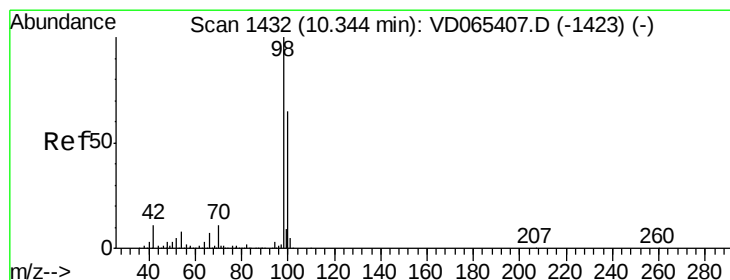
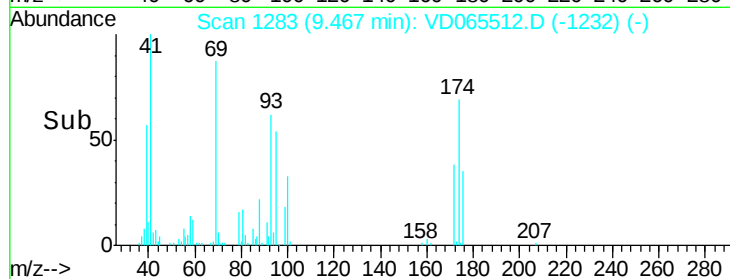
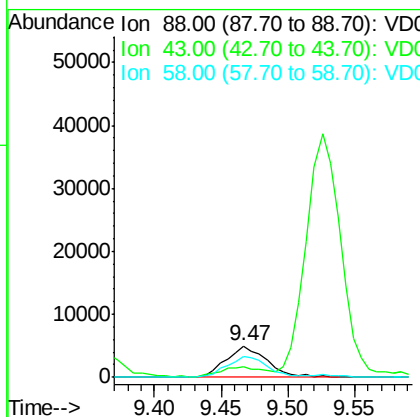
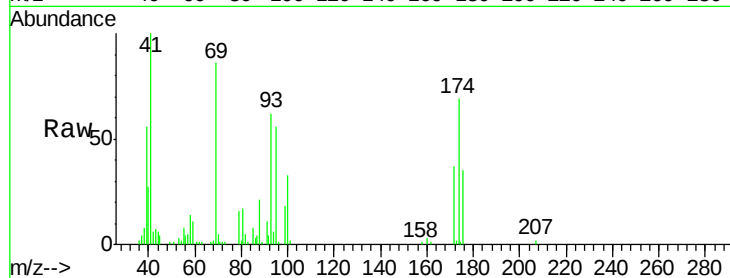
#49
1,4-Dioxane
Concen: 401.398 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD065512.D
Acq: 16 Mar 2020 14:48

Instrument :
MSVOA_D
ClientSampleId :
VD0316SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.8	24.5	36.7#
58	65.6	54.5	81.7

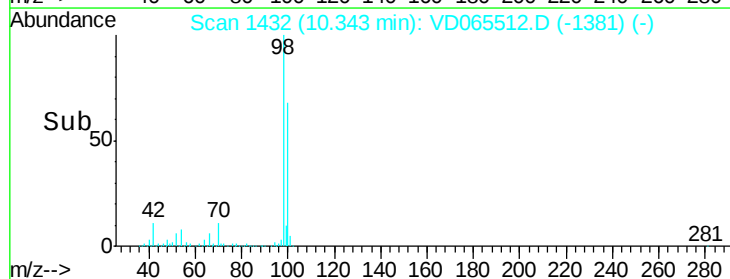
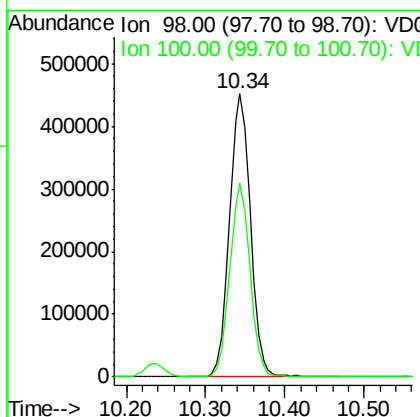
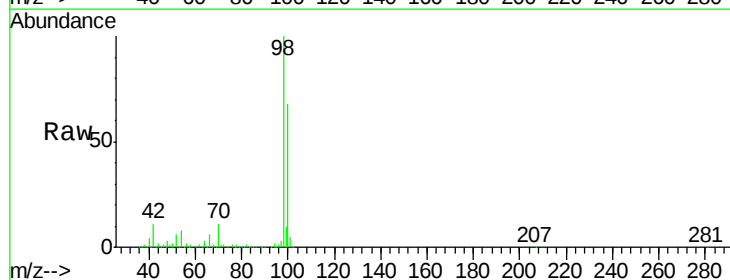
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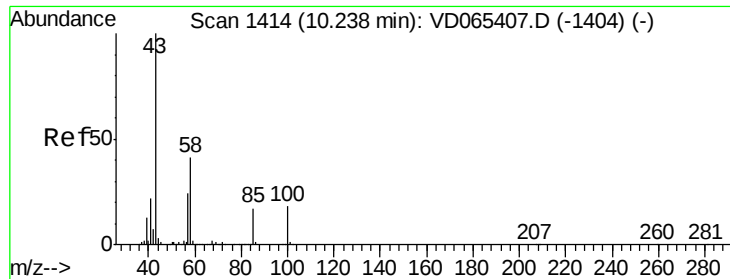
MMDadoda
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#50
Toluene-d8
Concen: 51.189 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065512.D
Acq: 16 Mar 2020 14:48

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.3	52.8	79.2





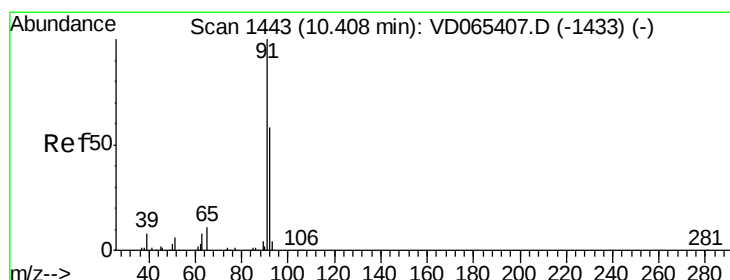
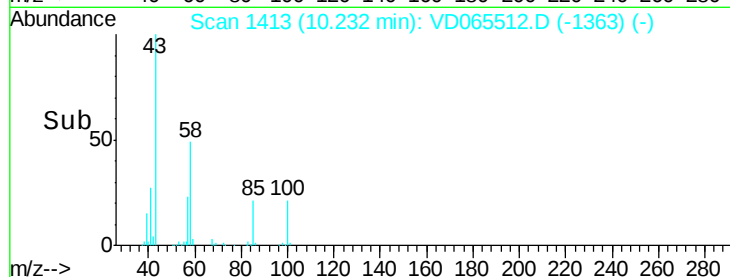
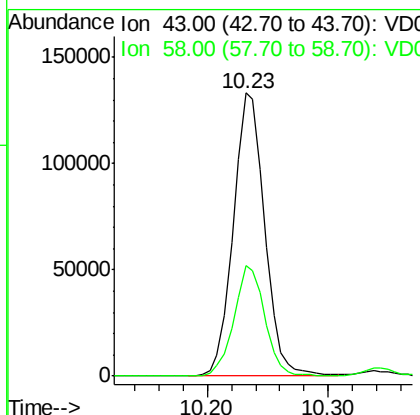
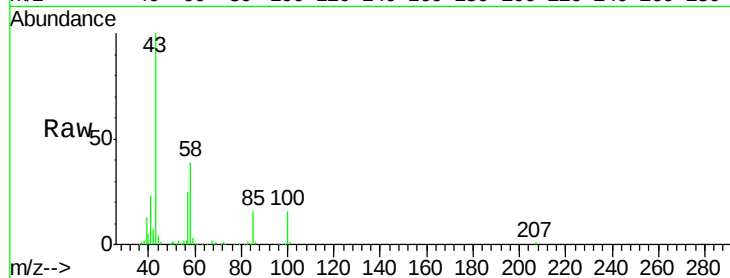
#51
4-Methyl-2-Pentanone
Concen: 103.130 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD065512.D
Acq: 16 Mar 2020 14:48

Instrument :
MSVOA_D
ClientSampleId :
VD0316SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.5	31.8	47.6

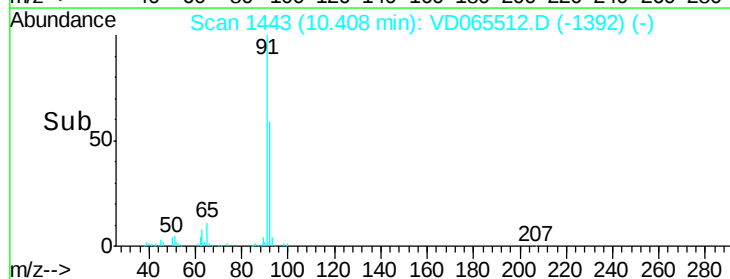
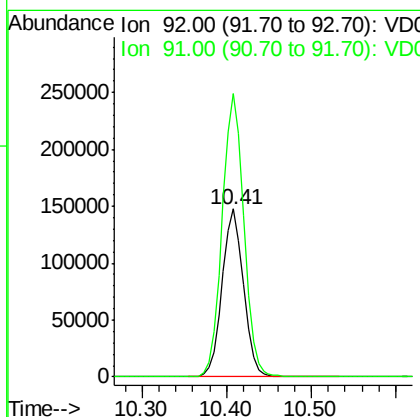
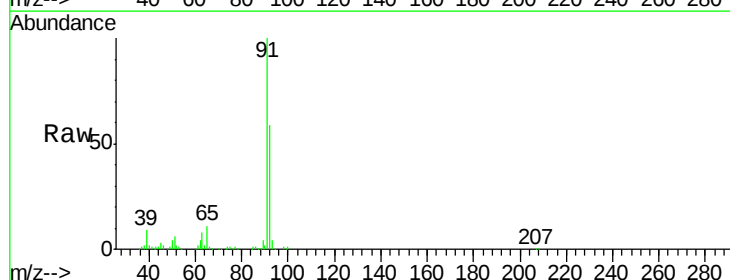
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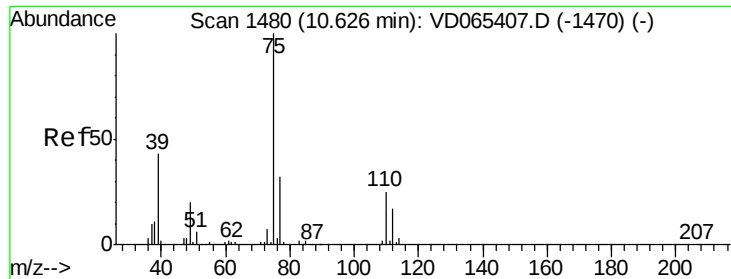
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#52
Toluene
Concen: 22.578 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD065512.D
Acq: 16 Mar 2020 14:48

Tgt Ion	Ratio	Lower	Upper
92	100		
91	170.7	137.8	206.8





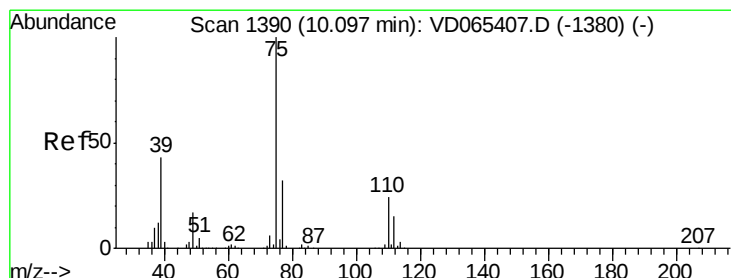
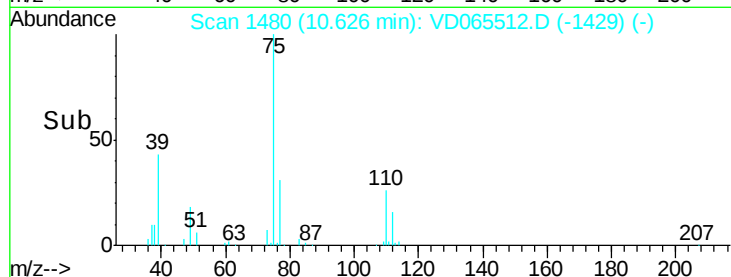
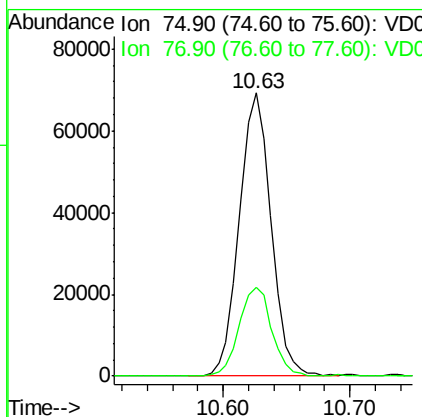
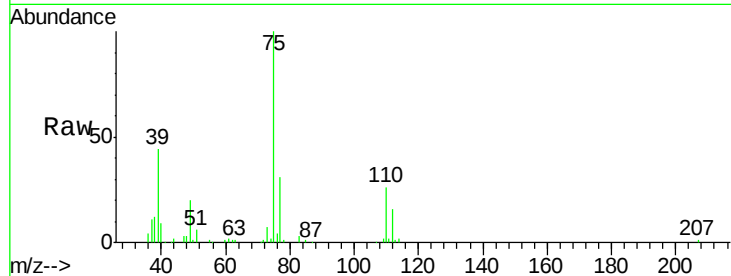
#53
t-1,3-Dichloropropene
Concen: 21.667 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD065512.D
Acq: 16 Mar 2020 14:48

Instrument :
MSVOA_D
ClientSampleId :
VD0316SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.4	38.2

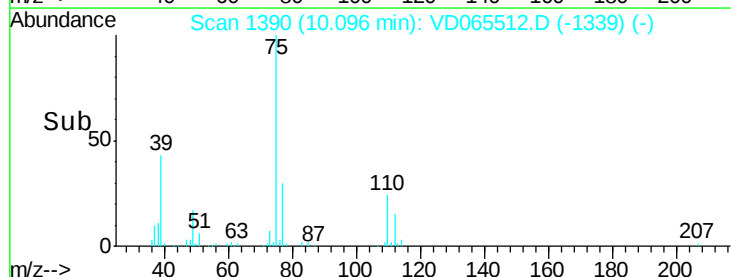
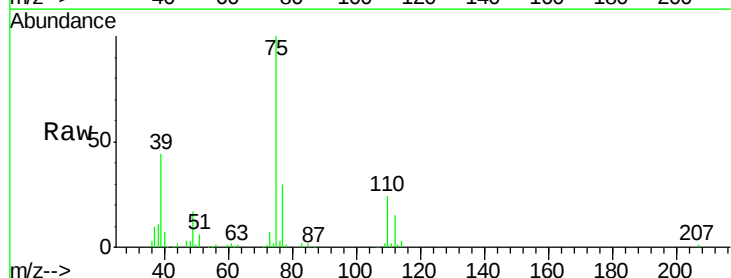
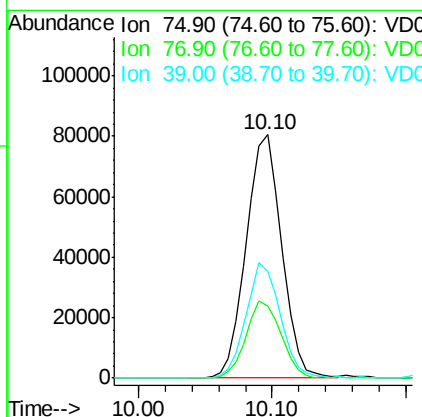
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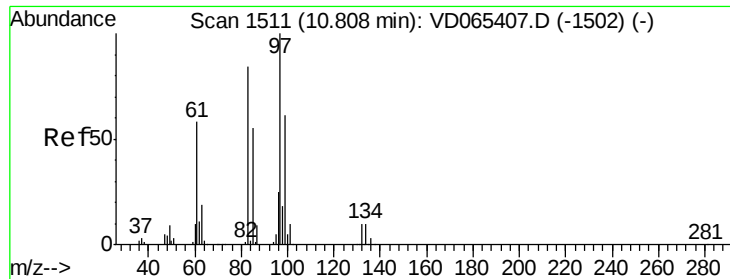
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#54
cis-1,3-Dichloropropene
Concen: 21.954 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VD065512.D
Acq: 16 Mar 2020 14:48

Tgt Ion	Ratio	Lower	Upper
75	100		
77	29.7	25.3	37.9
39	43.7	34.6	52.0





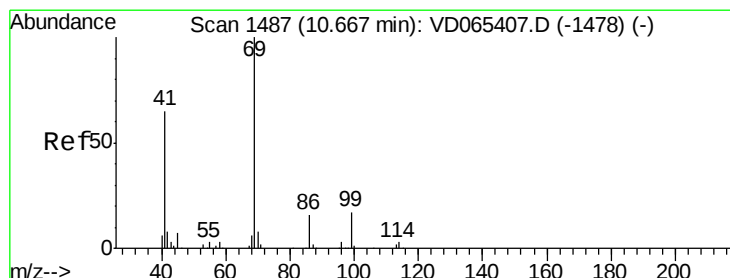
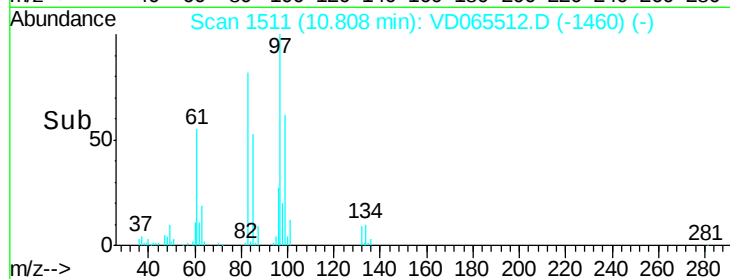
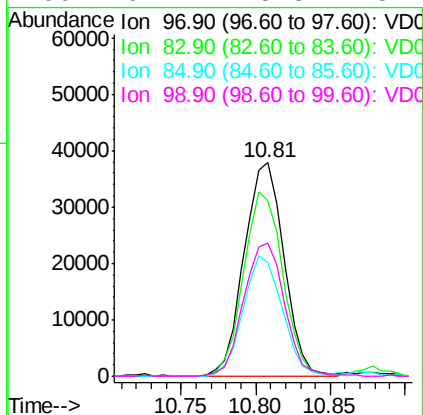
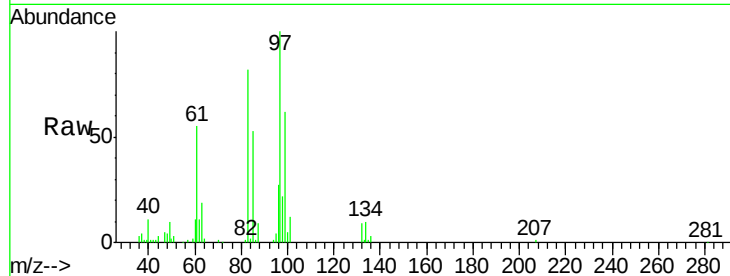
#55
 1,1,2-Trichloroethane
 Concen: 21.565 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. -0.00 min
 Lab File: VD065512.D
 Acq: 16 Mar 2020 14:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0316SBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	82.0	67.4	101.0
85	53.3	43.8	65.8
99	62.2	48.8	73.2

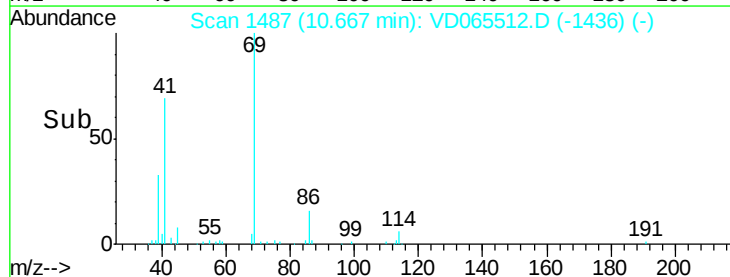
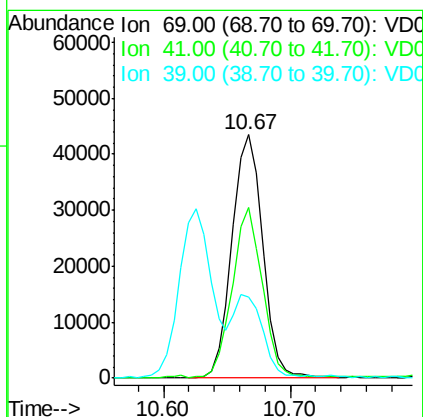
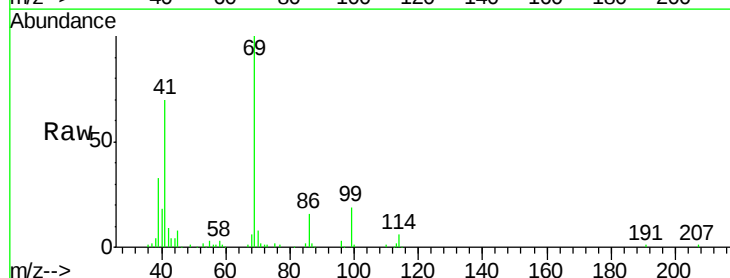
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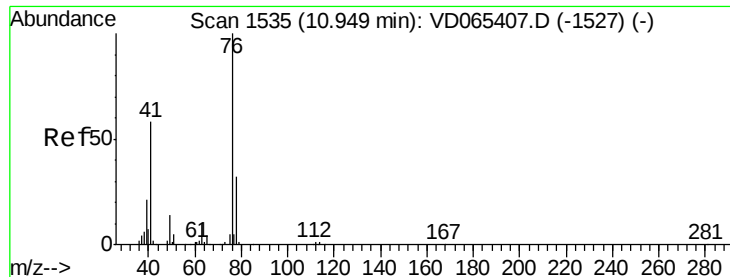
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#56
 Ethyl methacrylate
 Concen: 20.007 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065512.D
 Acq: 16 Mar 2020 14:48

Tgt Ion	Ratio	Lower	Upper
69	100		
41	67.3	53.0	79.6
39	31.7	26.0	39.0





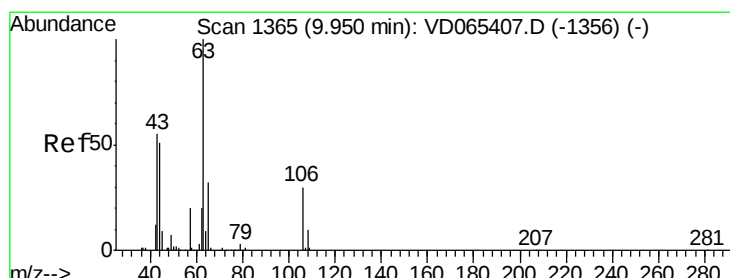
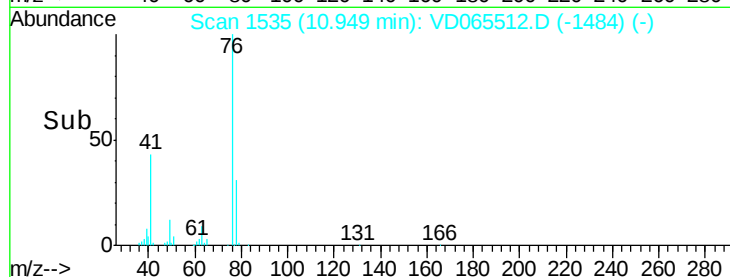
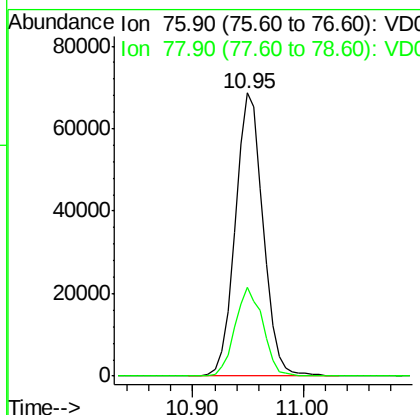
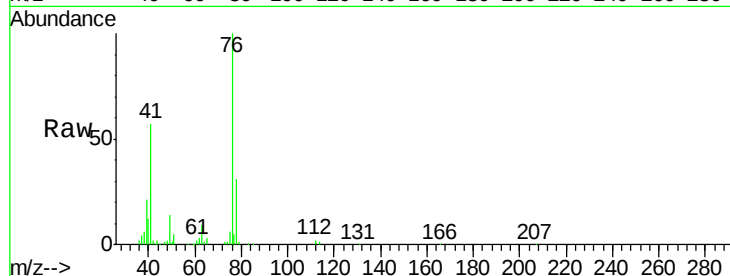
#57
 1,3-Dichloropropane
 Concen: 22.093 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065512.D
 Acq: 16 Mar 2020 14:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0316SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.7	26.0	39.0

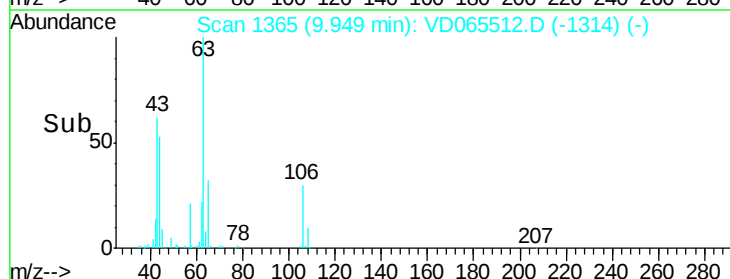
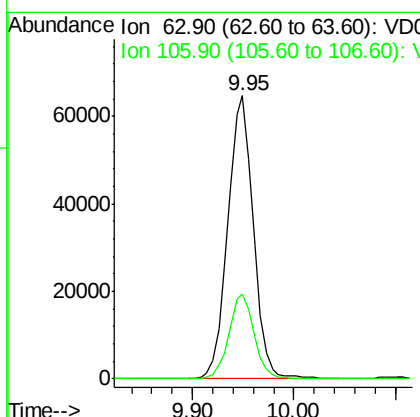
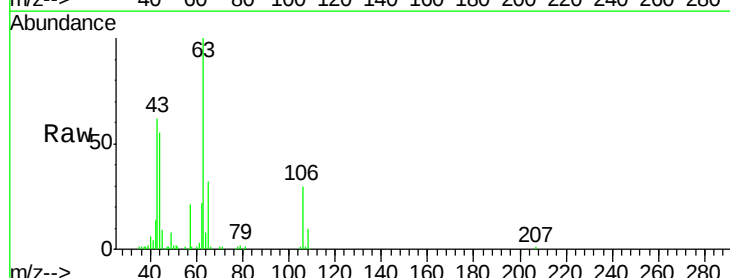
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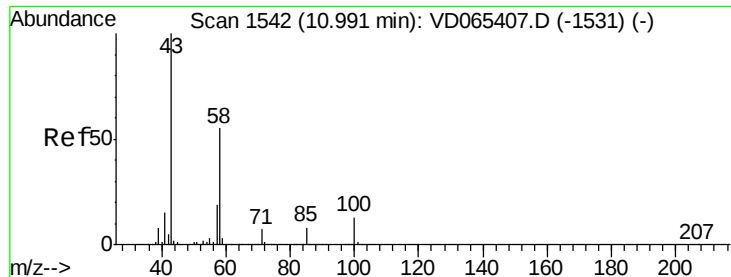
MMDadoda
 3/17/2020 12:09:55 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.132 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VD065512.D
 Acq: 16 Mar 2020 14:48

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.4	23.3	34.9





#59

2-Hexanone

Concen: 98.411 ug/l

RT: 10.99 min Scan# 1542

Delta R.T. -0.00 min

Lab File: VD065512.D

Acq: 16 Mar 2020 14:48

Instrument :

MSVOA_D

ClientSampleId :

VD0316SBS01

Tot Ion: 43 Resp: 159659

Ion Ratio Lower Upper

43 100

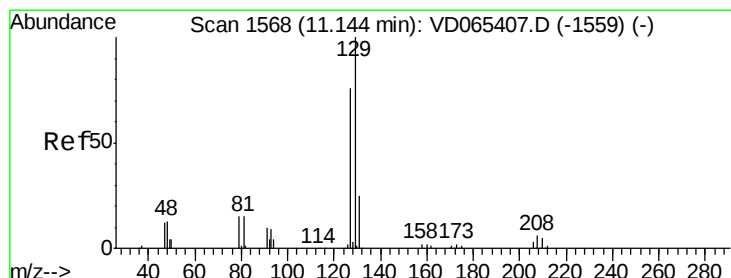
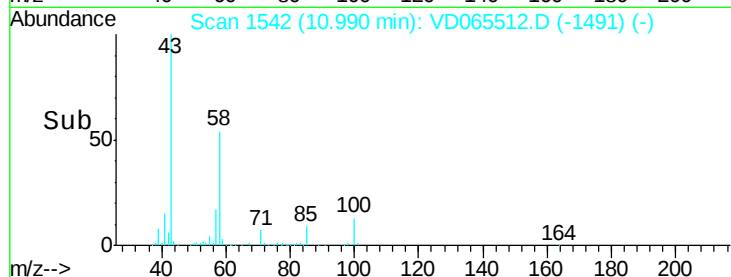
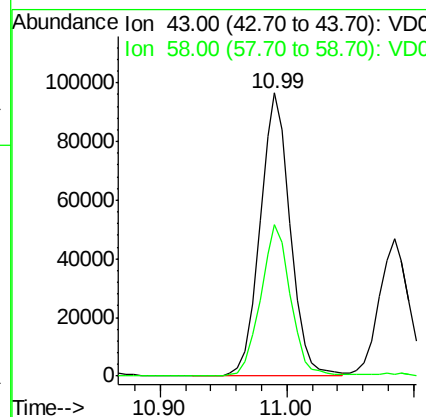
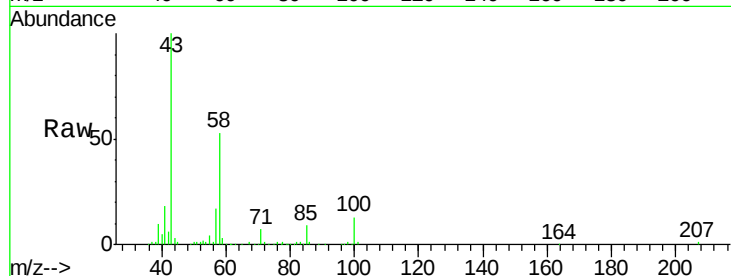
58 53.2 27.4 82.2

Manual Integrations

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3/17/2020 12:09:55 PM



#60

Dibromochloromethane

Concen: 22.467 ug/l

RT: 11.14 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VD065512.D

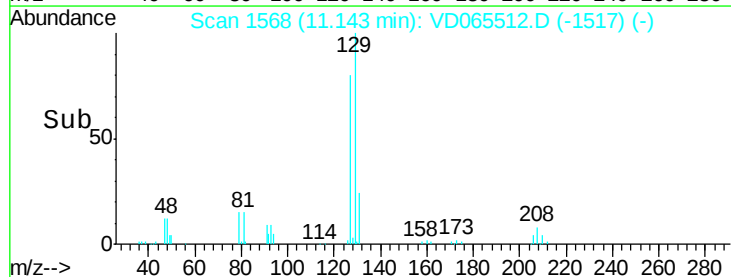
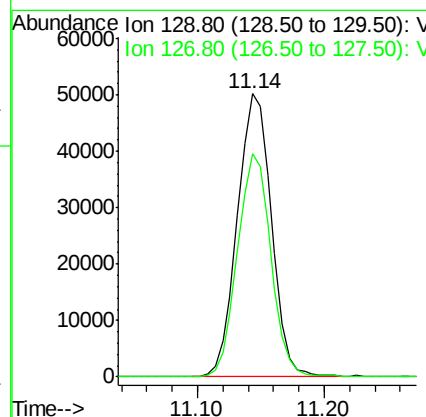
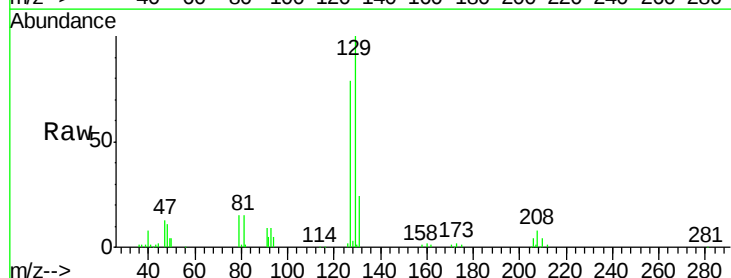
Acq: 16 Mar 2020 14:48

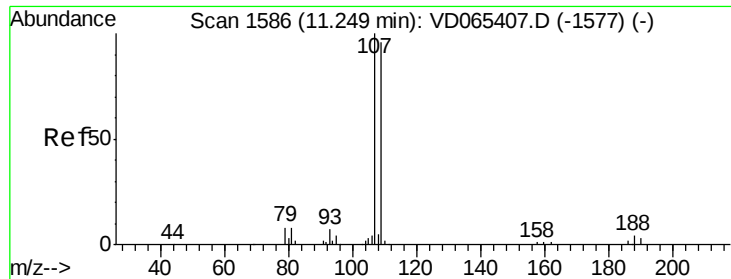
Tgt Ion: 129 Resp: 93513

Ion Ratio Lower Upper

129 100

127 77.4 38.5 115.5





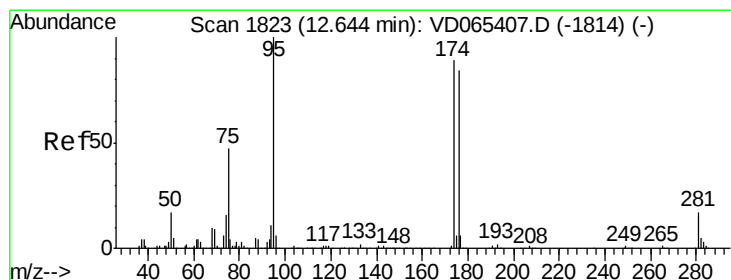
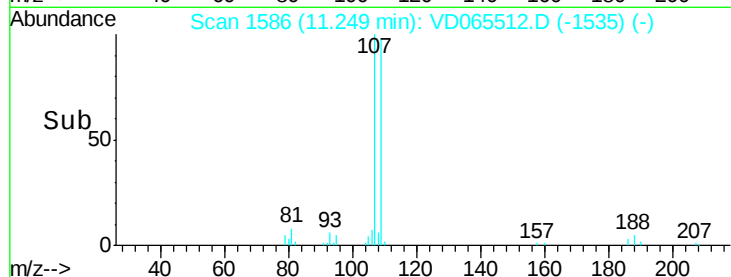
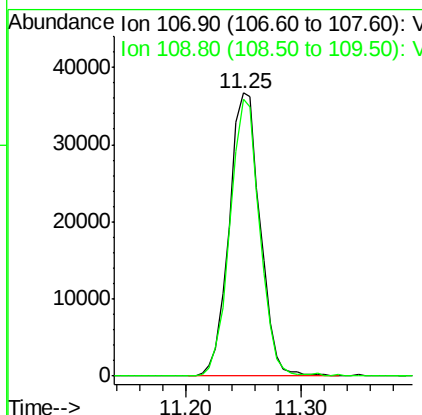
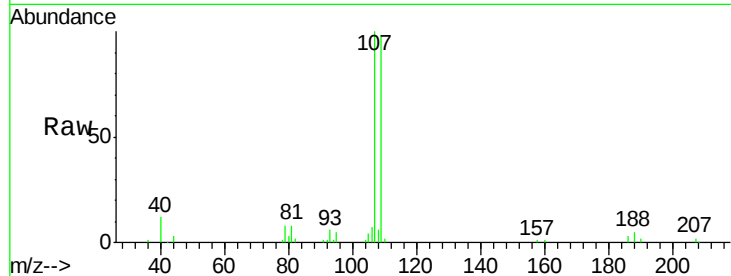
#61
1,2-Dibromoethane
Concen: 21.997 ug/l
RT: 11.25 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VD065512.D
Acq: 16 Mar 2020 14:48

Instrument :
MSVOA_D
ClientSampleId :
VD0316SBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.0	76.8	115.2

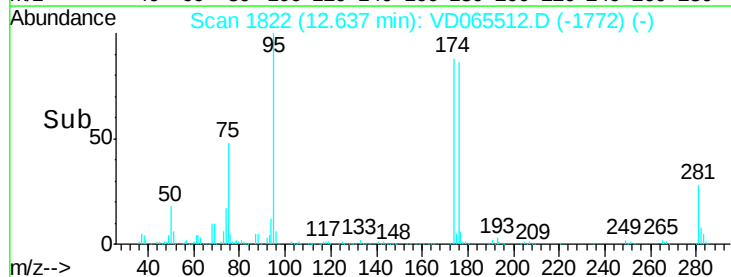
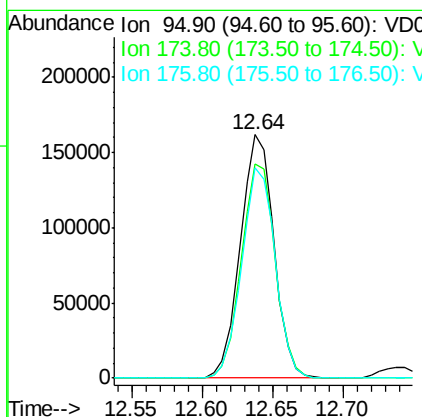
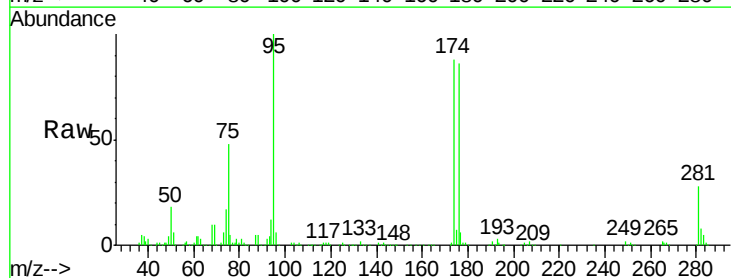
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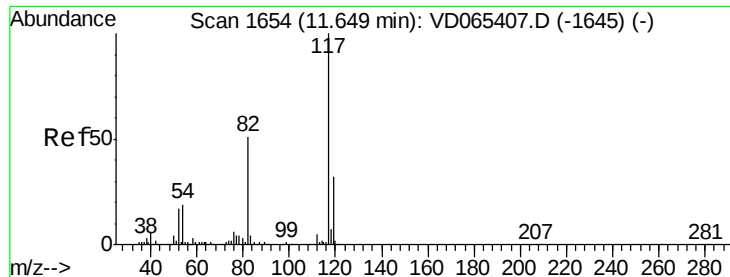
MMDadoda
3/17/2020 12:09:55 PM



#62
4-Bromofluorobenzene
Concen: 53.968 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.01 min
Lab File: VD065512.D
Acq: 16 Mar 2020 14:48

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.1	0.0	176.8
176	86.6	0.0	171.4





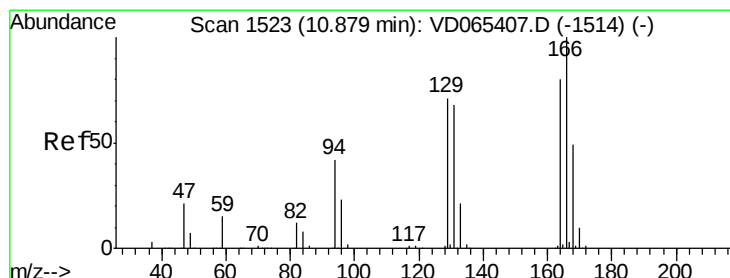
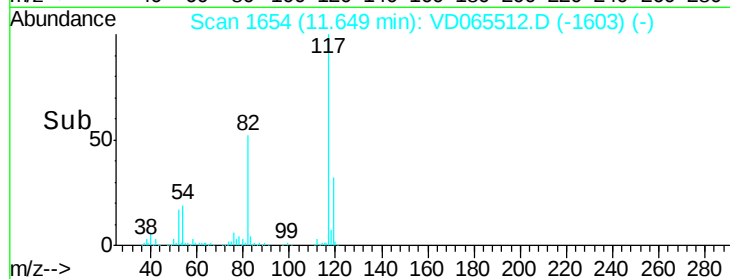
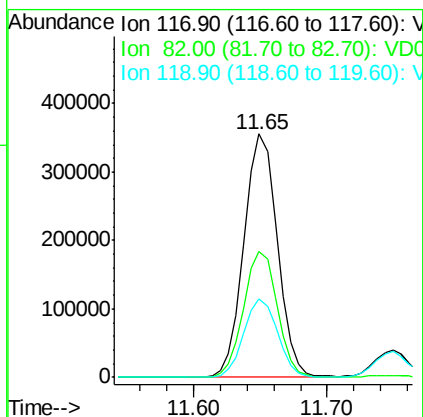
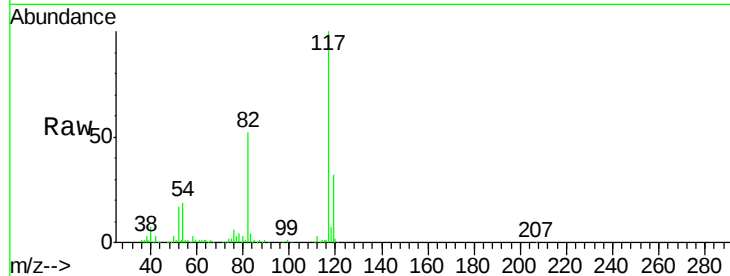
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065512.D
Acq: 16 Mar 2020 14:48

Instrument :
MSVOA_D
ClientSampleId :
VD0316SBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.8	40.6	60.8
119	32.2	25.4	38.2

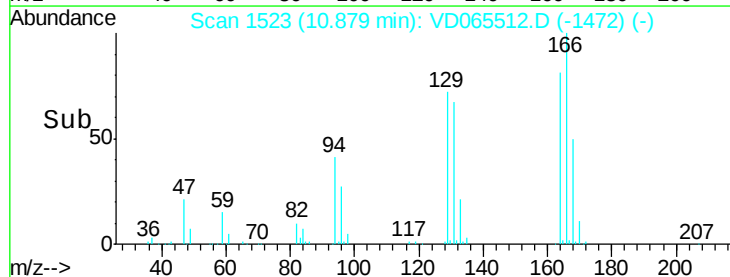
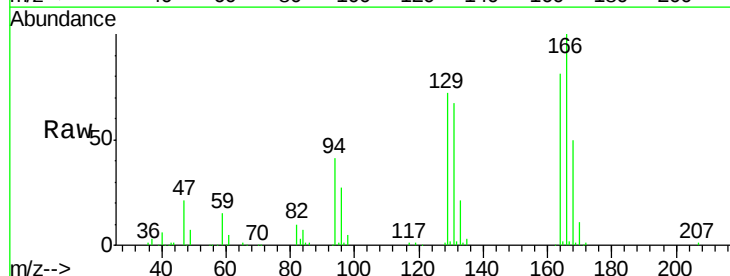
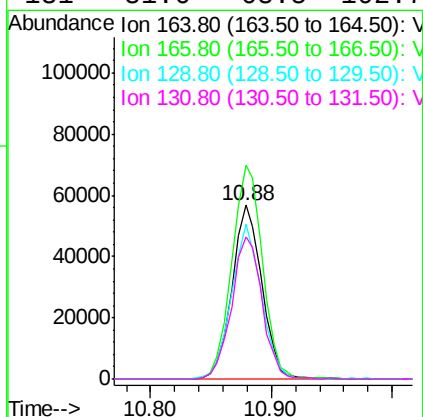
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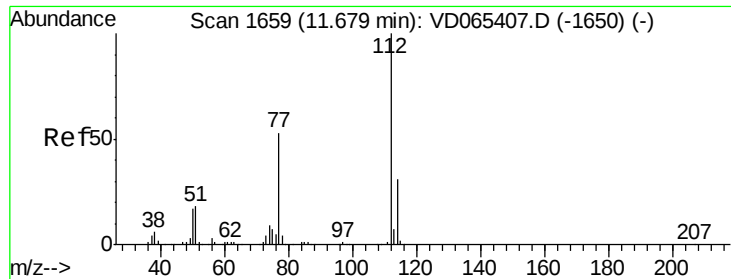
MMDadoda
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#64
Tetrachloroethene
Concen: 22.118 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065512.D
Acq: 16 Mar 2020 14:48

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.7	100.5	150.7
129	88.7	71.5	107.3
131	81.6	68.5	102.7





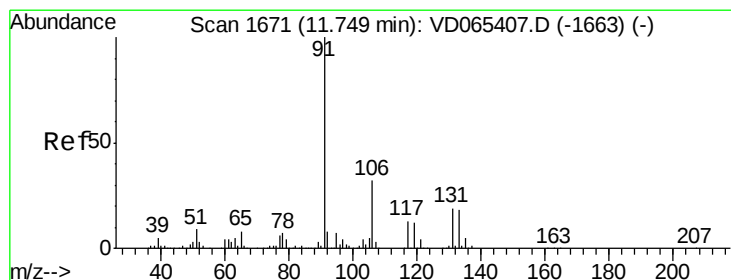
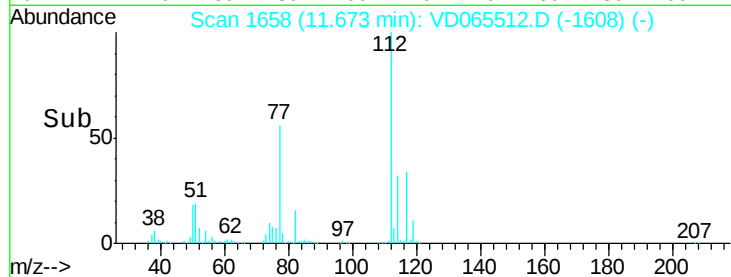
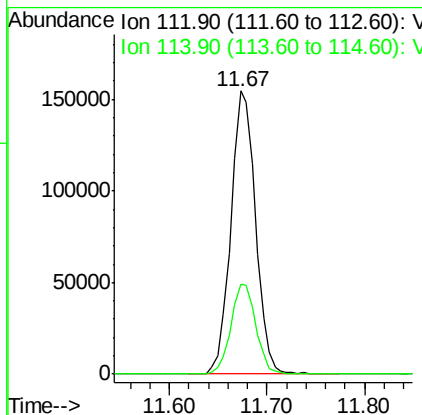
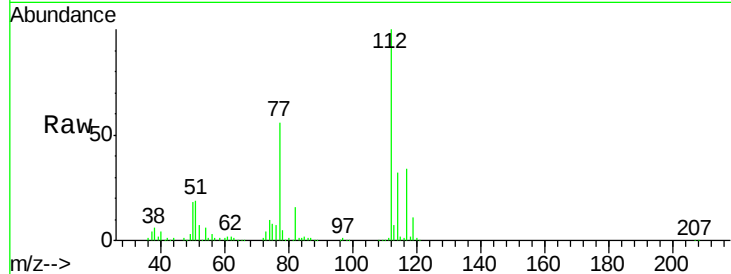
#65
Chlorobenzene
Concen: 22.073 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD065512.D
Acq: 16 Mar 2020 14:48

Instrument :
MSVOA_D
ClientSampleId :
VD0316SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	24.4	36.6

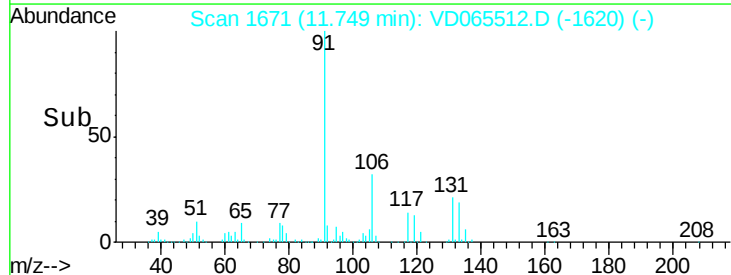
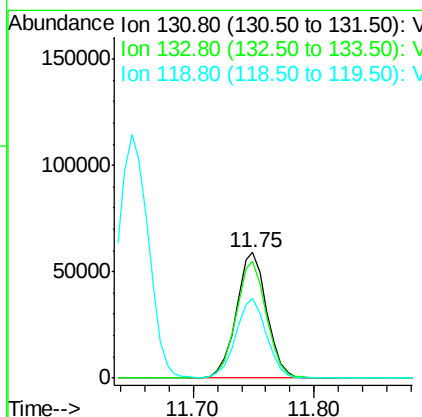
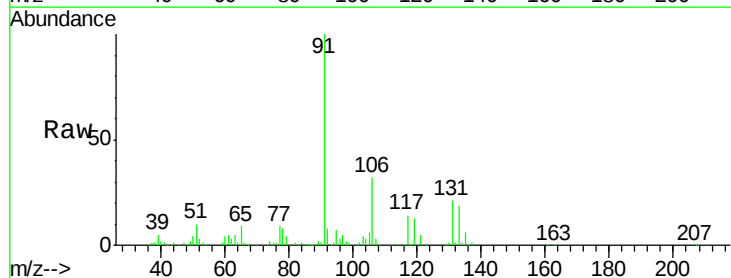
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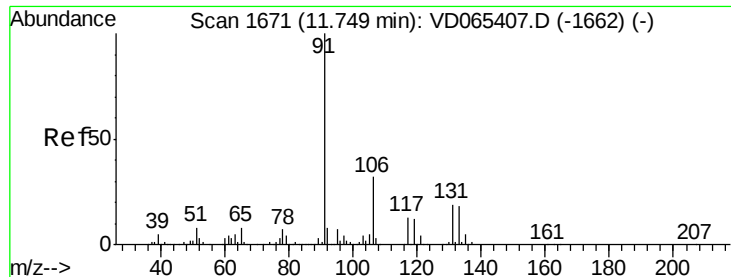
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 23.252 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065512.D
Acq: 16 Mar 2020 14:48

Tgt Ion	Ratio	Lower	Upper
131	100		
133	92.9	49.2	147.6
119	64.4	33.3	99.8





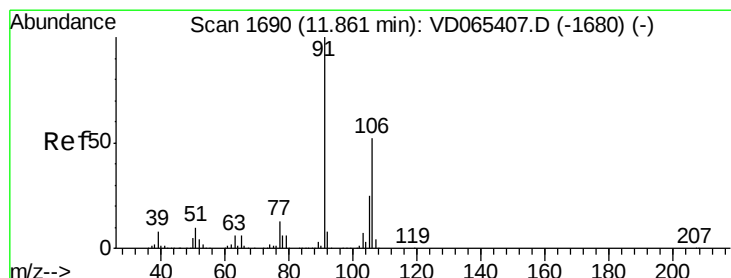
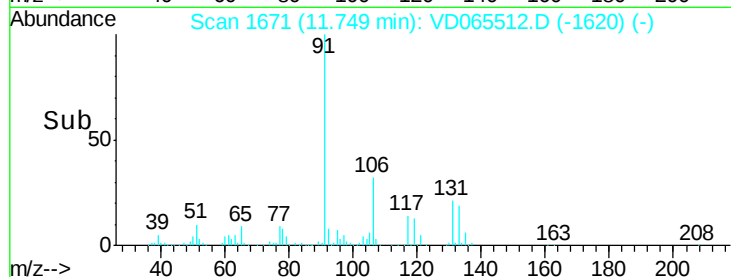
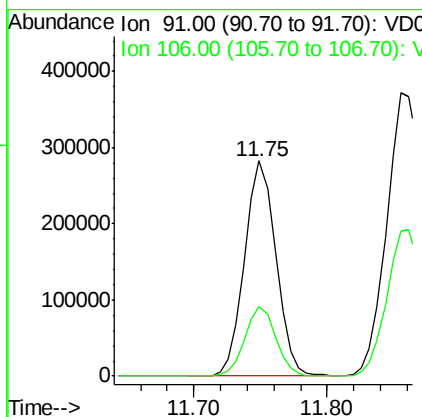
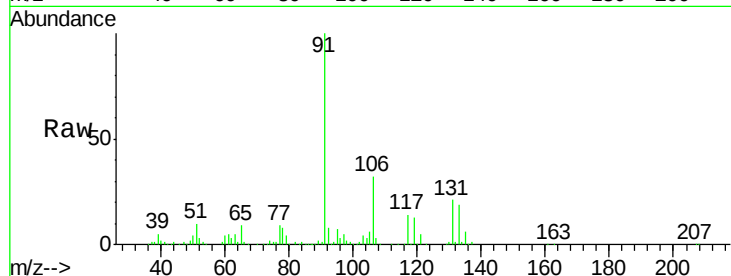
#67
Ethyl Benzene
Concen: 21.821 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065512.D
Acq: 16 Mar 2020 14:48

Instrument :
MSVOA_D
ClientSampleId :
VD0316SBS01

Tot Ion: 91 Resp: 460847
Ion Ratio Lower Upper
91 100
106 32.2 25.2 37.8

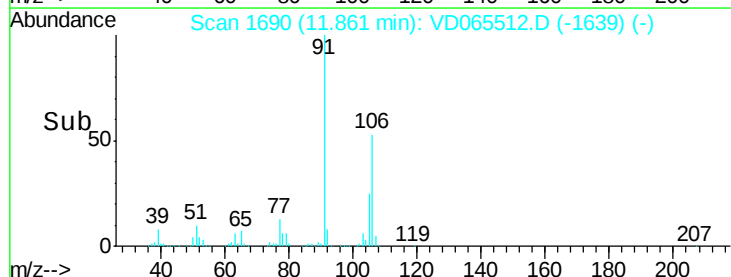
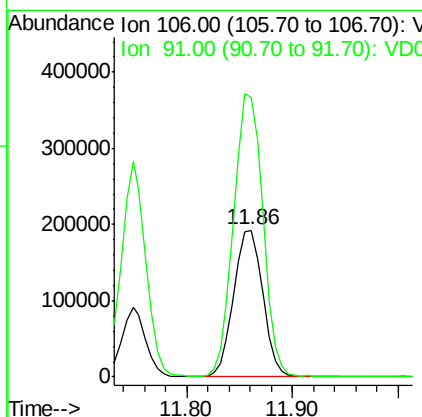
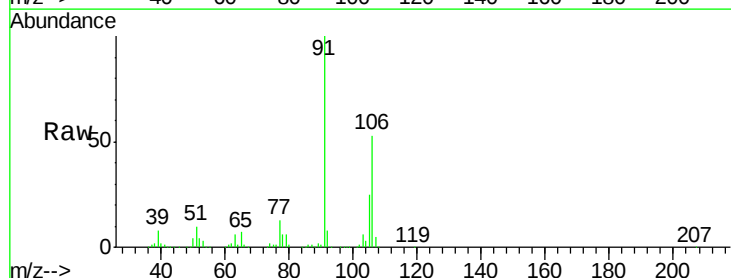
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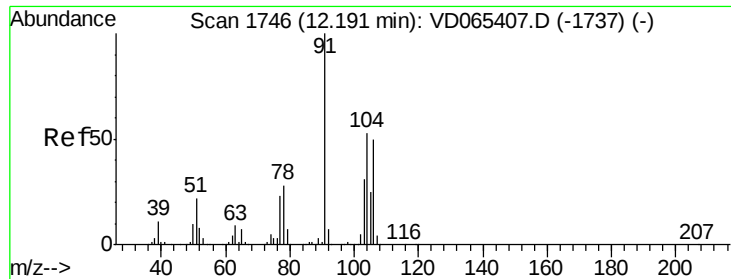
MMDadoda
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#68
m/p-Xylenes
Concen: 45.244 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VD065512.D
Acq: 16 Mar 2020 14:48

Tgt Ion: 106 Resp: 368443
Ion Ratio Lower Upper
106 100
91 194.6 155.9 233.9





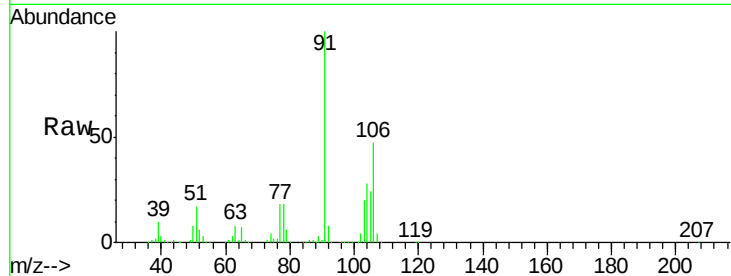
#69
o-Xylene
Concen: 22.351 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VD065512.D
Acq: 16 Mar 2020 14:48

Instrument :
MSVOA_D
ClientSampleId :
VD0316SBSD01

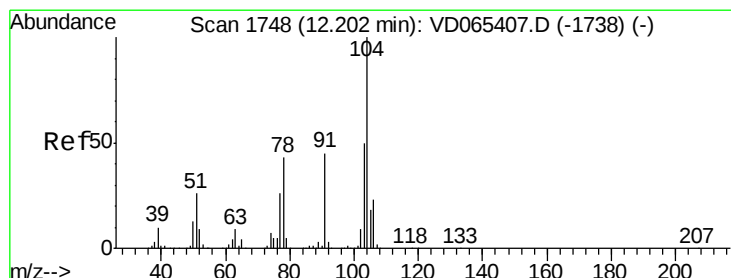
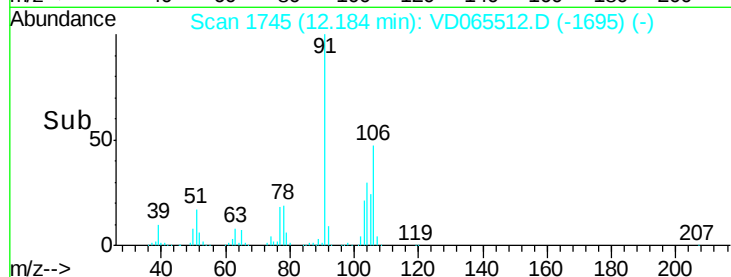
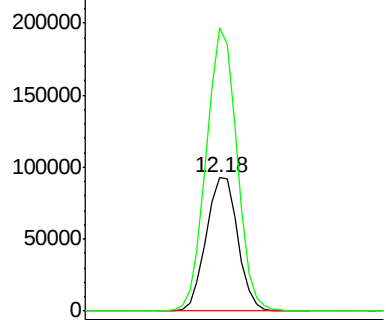
Tot Ion	Ratio	Resp	Lower	Upper
106	100	160108		
91	206.2	103.5	310.3	

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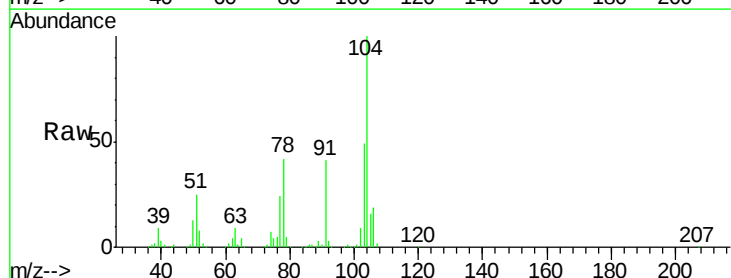


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

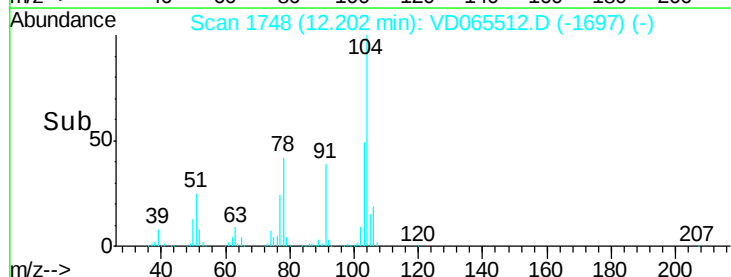
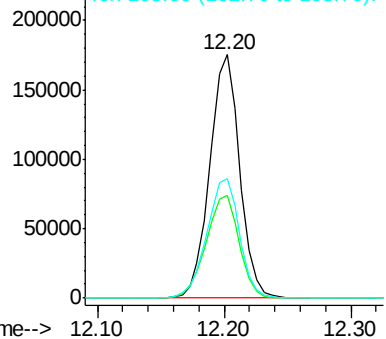


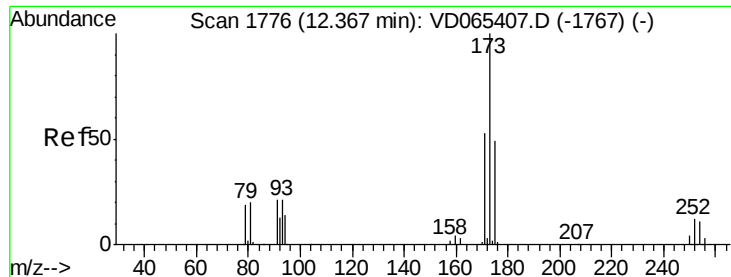
#70
Styrene
Concen: 22.773 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065512.D
Acq: 16 Mar 2020 14:48

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	287098		
78	46.5	37.7	56.5	
103	53.9	43.6	65.4	



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 21.663 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD065512.D

Acq: 16 Mar 2020 14:48

Instrument :

MSVOA_D

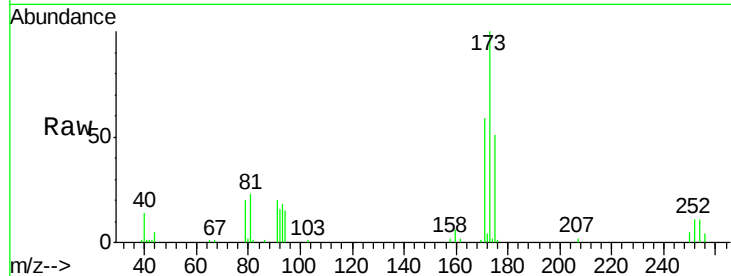
ClientSampleId :

VD0316SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.9	24.3	73.0
254	0.0	0.1	0.1

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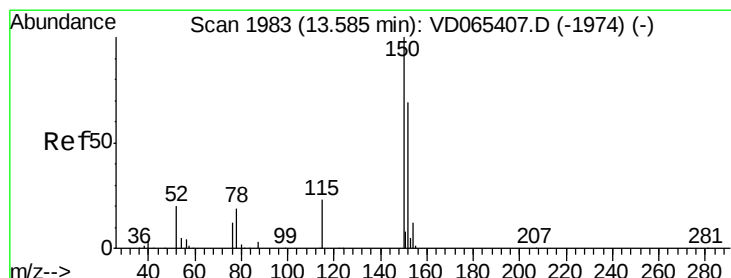
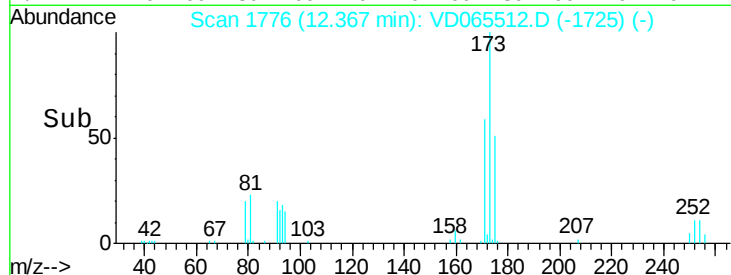
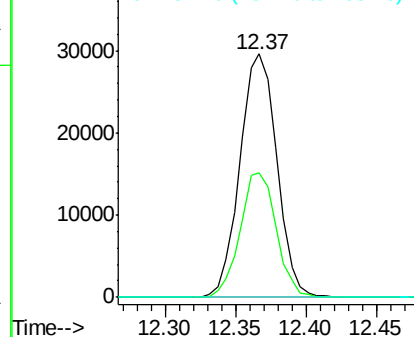
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

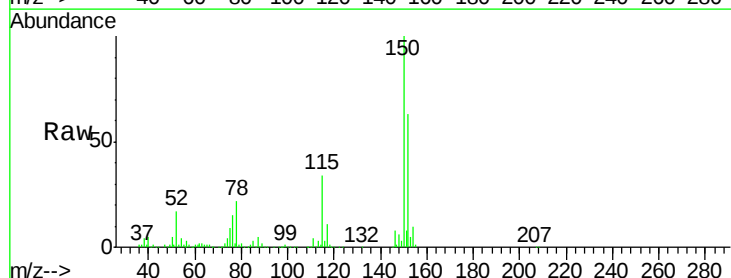
RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VD065512.D

Acq: 16 Mar 2020 14:48

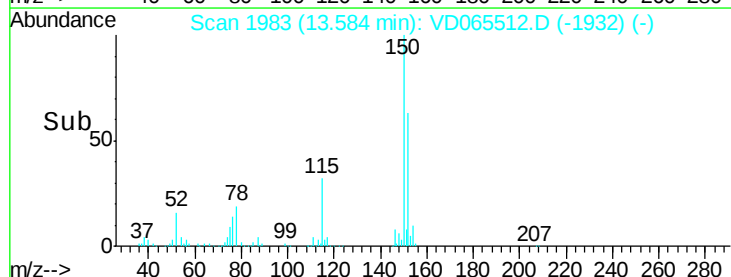
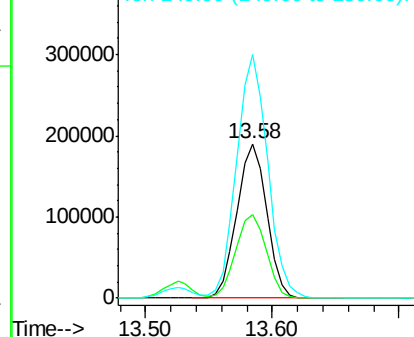
Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.2	27.6	82.8
150	163.7	0.0	345.0

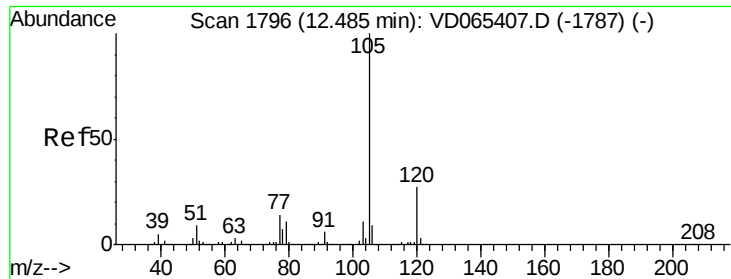


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





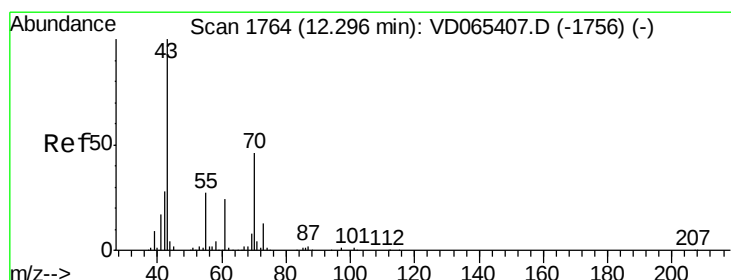
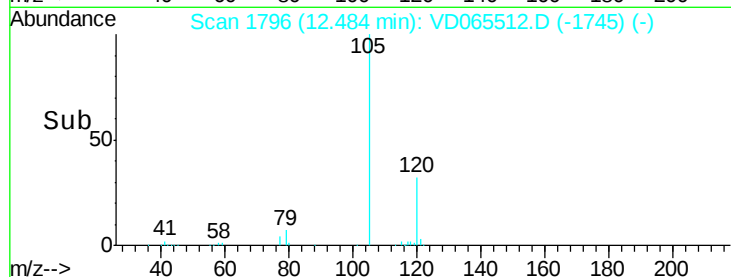
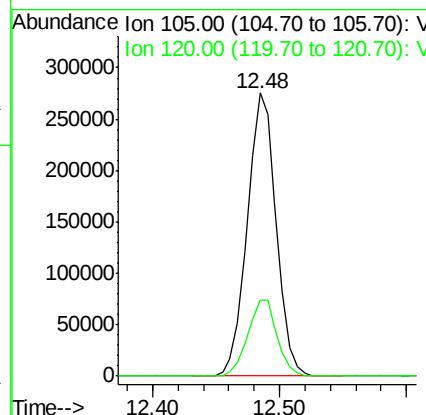
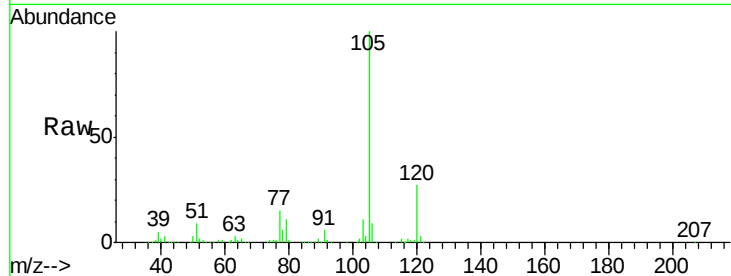
#73
Isopropylbenzene
Concen: 21.338 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VD065512.D
Acq: 16 Mar 2020 14:48

Instrument :
MSVOA_D
ClientSampleId :
VD0316SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.3	13.5	40.4

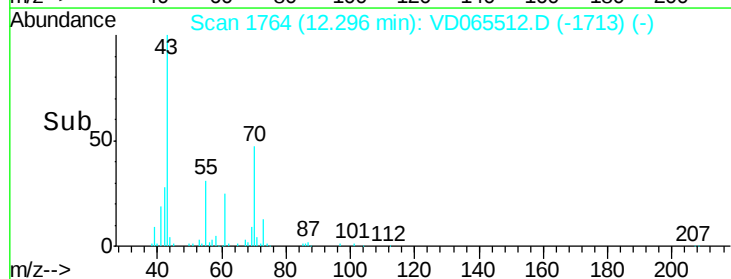
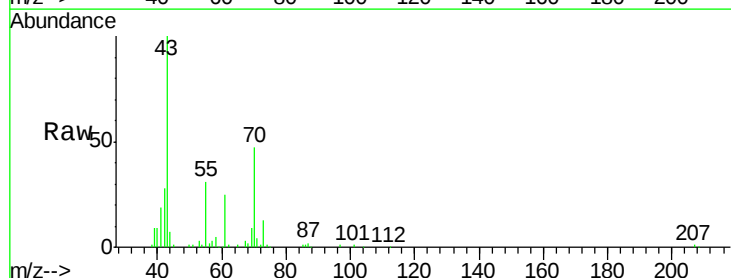
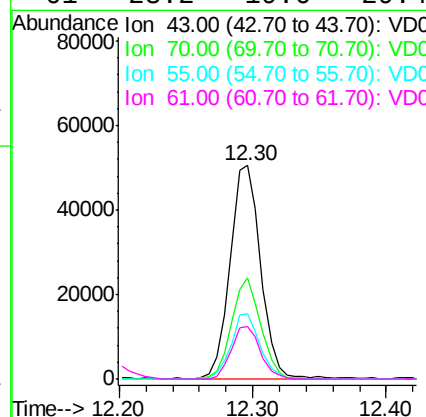
Manual Integrations
APPROVED

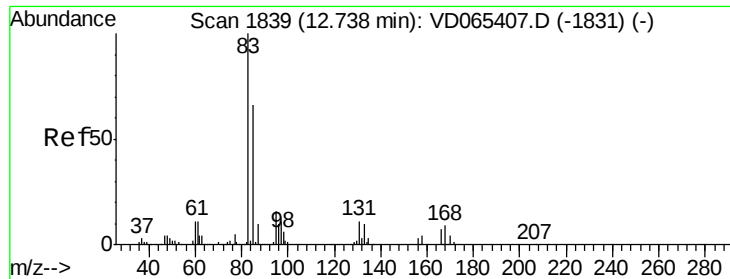
MMDadoda
3/17/2020 12:09:55 PM



#74
N-ethyl acetate
Concen: 19.592 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. -0.00 min
Lab File: VD065512.D
Acq: 16 Mar 2020 14:48

Tgt Ion	Ratio	Lower	Upper
43	100		
70	44.7	36.1	54.1
55	29.4	21.6	32.4
61	23.2	19.6	29.4





#75

1,1,2,2-Tetrachloroethane

Concen: 20.632 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065512.D

Acq: 16 Mar 2020 14:48

Instrument :

MSVOA_D

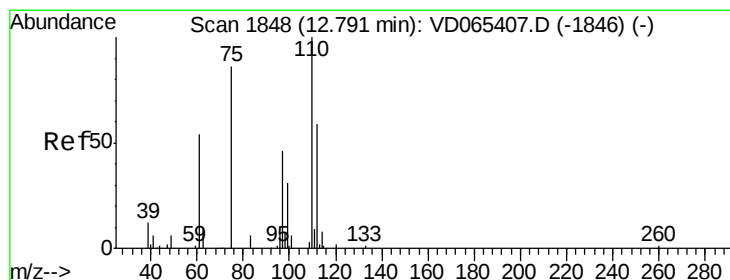
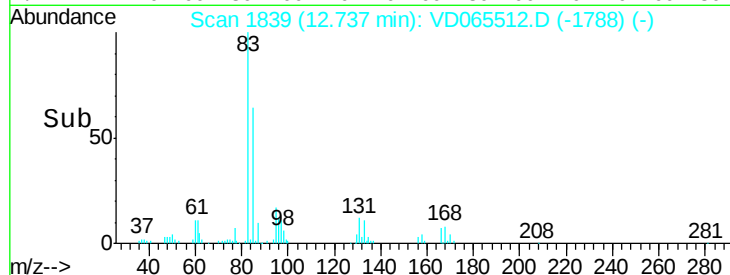
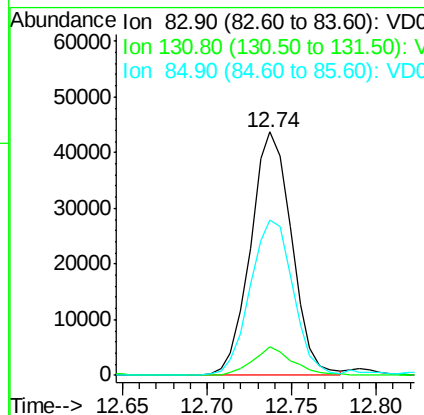
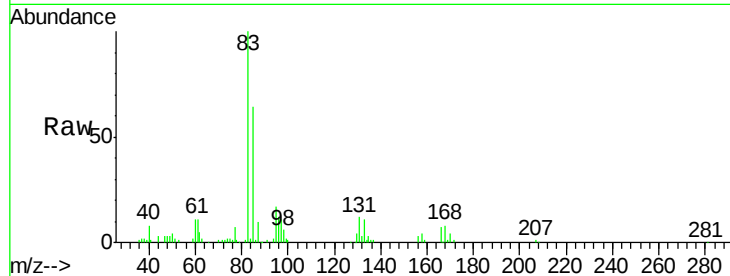
ClientSampleId :

VD0316SBS01

Tot Ion:	83	Resp:	73879
Ion	Ratio	Lower	Upper
83	100		
131	11.5	5.4	16.2
85	66.7	33.0	98.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 24.074 ug/l m

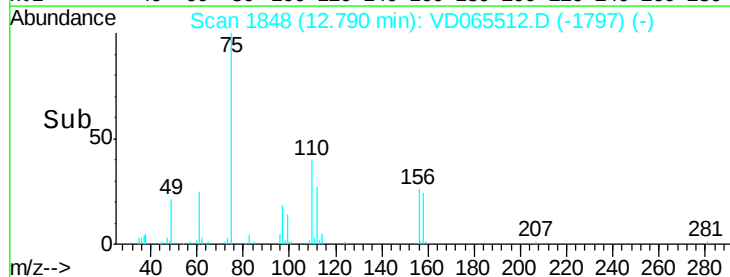
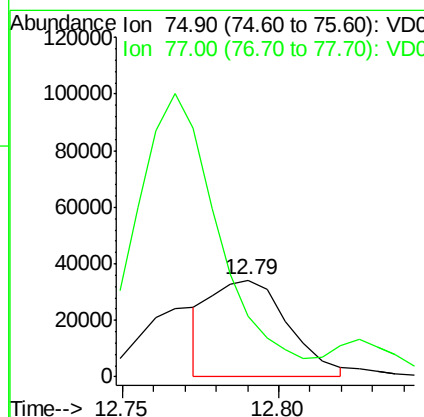
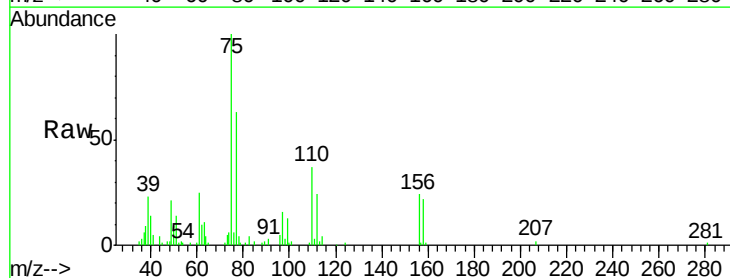
RT: 12.79 min Scan# 1848

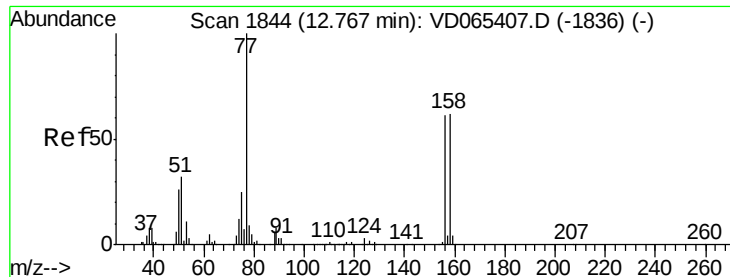
Delta R.T. -0.00 min

Lab File: VD065512.D

Acq: 16 Mar 2020 14:48

Tgt Ion:	75	Resp:	58836
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 22.167 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065512.D

Acq: 16 Mar 2020 14:48

Instrument :

MSVOA_D

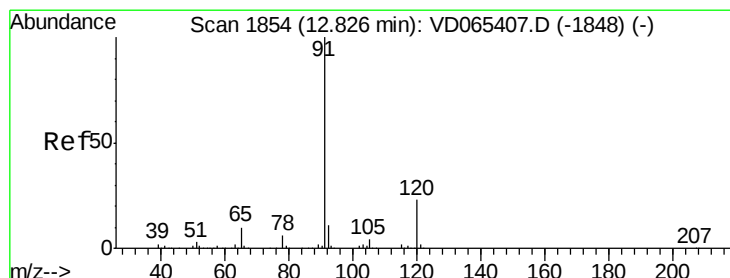
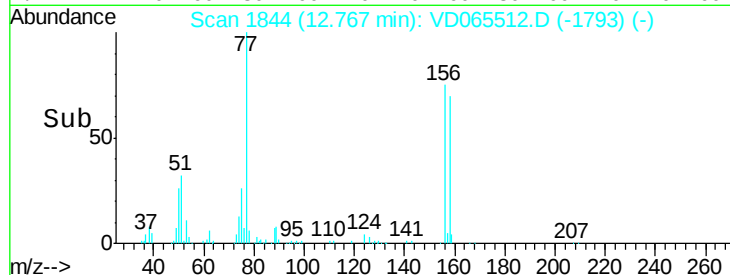
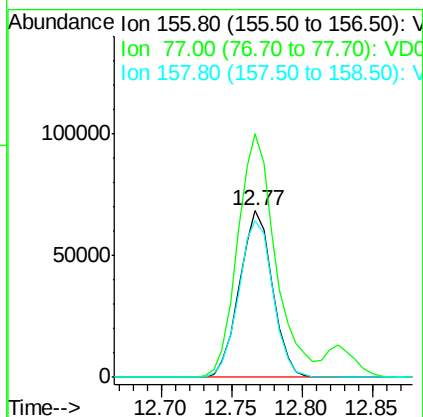
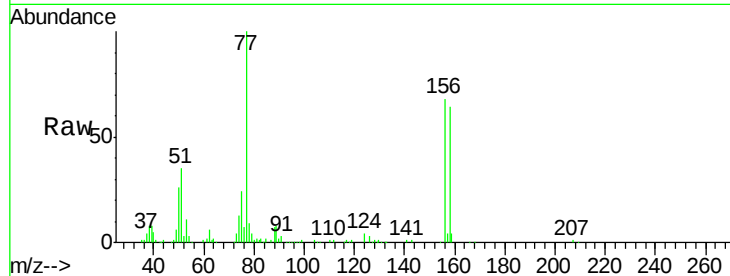
ClientSampleId :

VD0316SBS01

Tot Ion:	156	Resp:	112196
Ion Ratio	Lower	Upper	
156	100		
77	166.3	84.9	254.6
158	96.9	49.0	147.2

Manual Integrations
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#78

n-propylbenzene

Concen: 21.896 ug/l

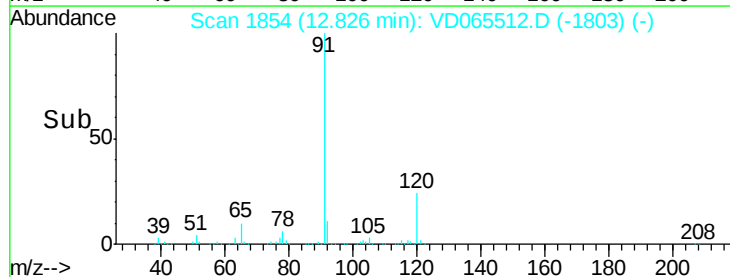
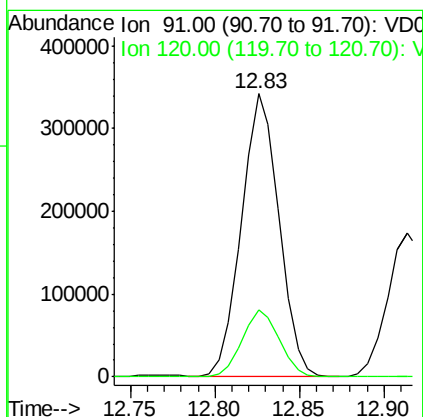
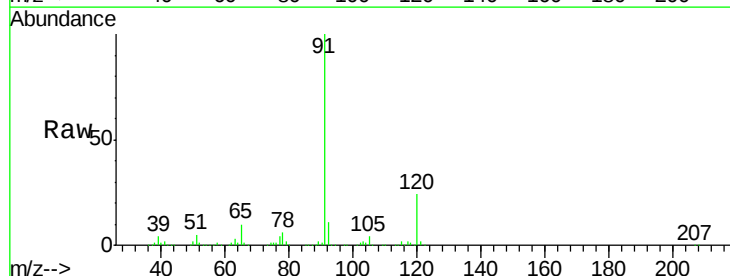
RT: 12.83 min Scan# 1854

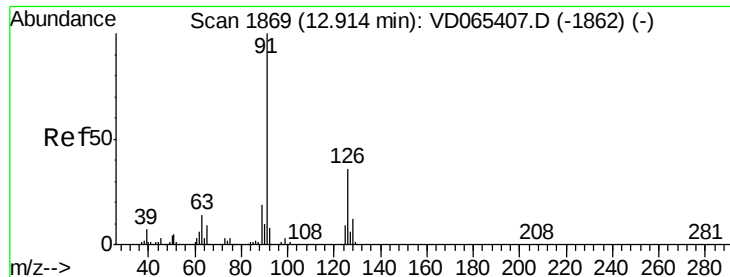
Delta R.T. -0.00 min

Lab File: VD065512.D

Acq: 16 Mar 2020 14:48

Tgt Ion:	91	Resp:	529238
Ion Ratio	Lower	Upper	
91	100		
120	23.6	11.9	35.5





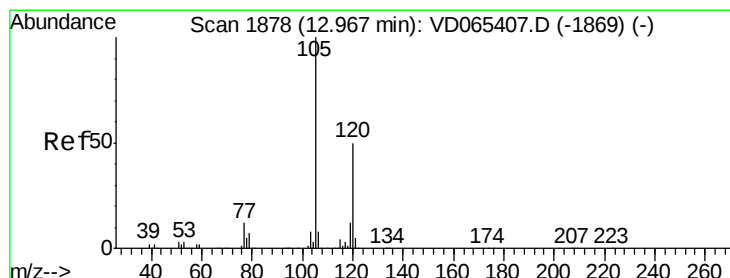
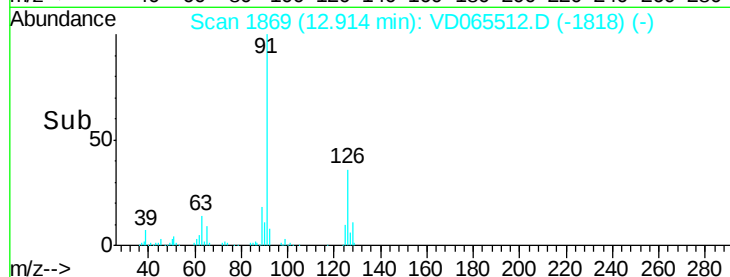
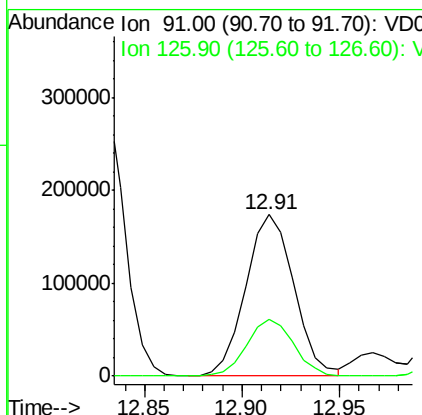
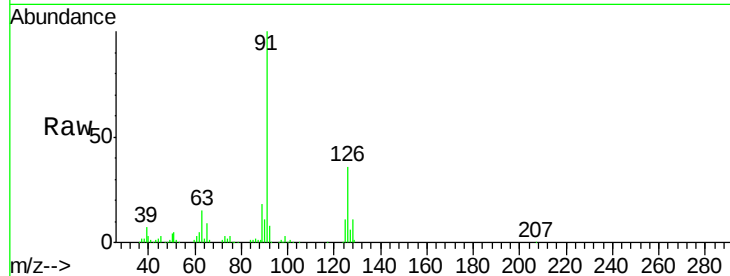
#79
 2-Chlorotoluene
 Concen: 21.812 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VD065512.D
 Acq: 16 Mar 2020 14:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0316SBSD01

Tot Ion: 91 Resp: 297128
 Ion Ratio Lower Upper
 91 100
 126 34.4 17.9 53.8

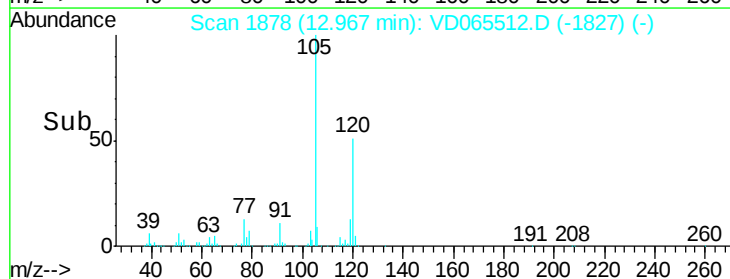
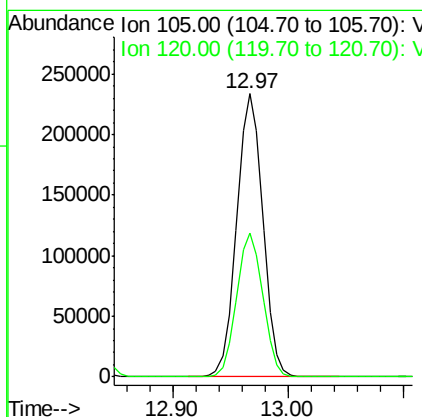
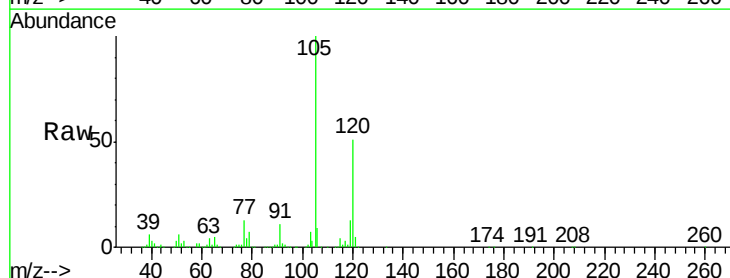
Manual Integrations
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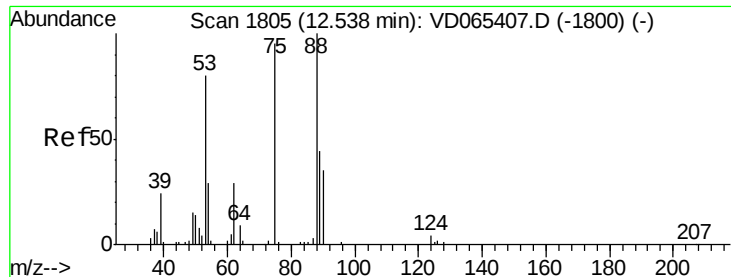
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#80
 1,3,5-Trimethylbenzene
 Concen: 21.854 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VD065512.D
 Acq: 16 Mar 2020 14:48

Tgt Ion: 105 Resp: 366003
 Ion Ratio Lower Upper
 105 100
 120 51.0 25.4 76.0





#81

trans-1,4-Dichloro-2-butene

Concen: 20.870 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VD065512.D

Acq: 16 Mar 2020 14:48

Instrument :

MSVOA_D

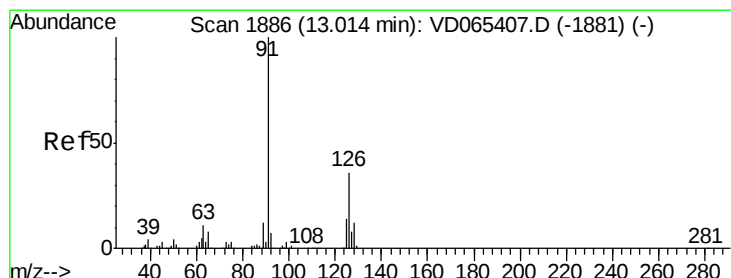
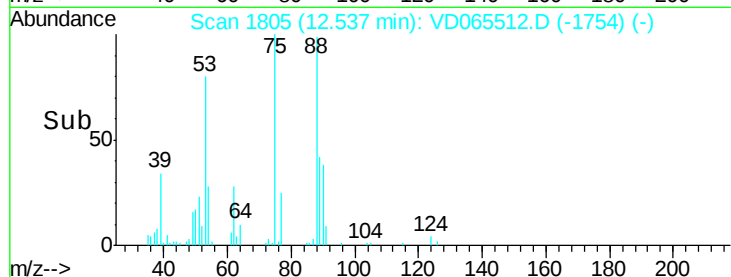
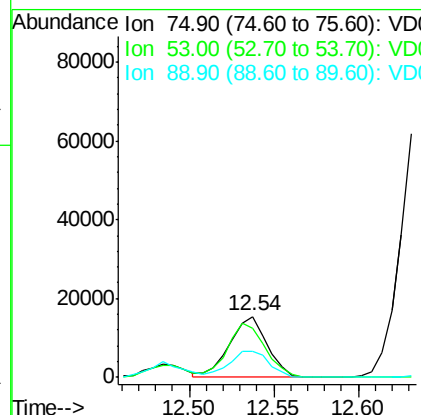
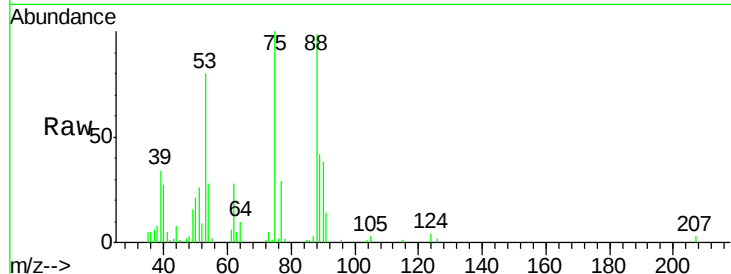
ClientSampleId :

VD0316SBS01

Tot Ion:	75	Resp:	24170
Ion	Ratio	Lower	Upper
75	100		
53	87.9	71.3	106.9
89	44.8	37.0	55.6

Manual Integrations
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#82

4-Chlorotoluene

Concen: 21.793 ug/l

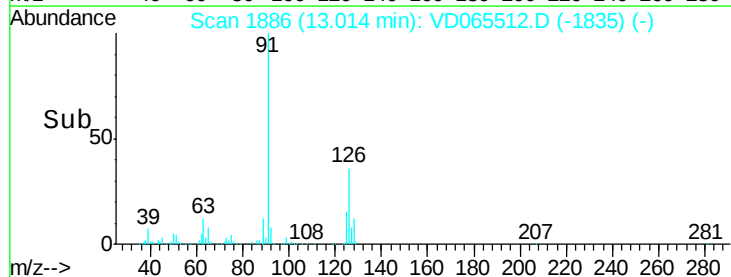
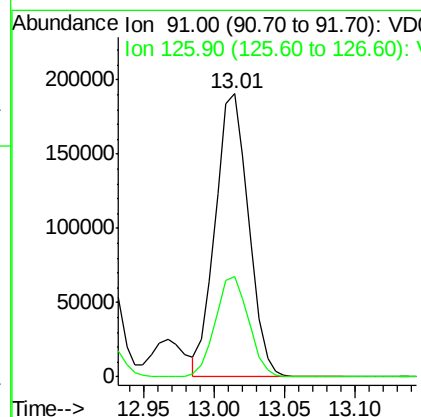
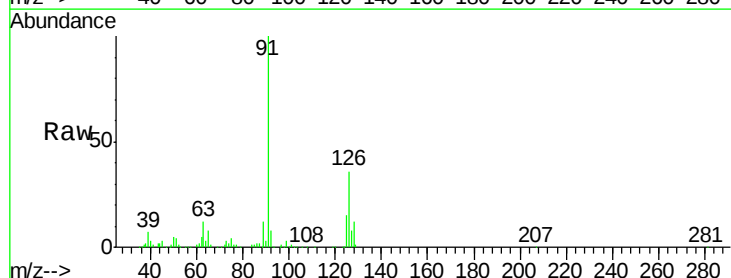
RT: 13.01 min Scan# 1886

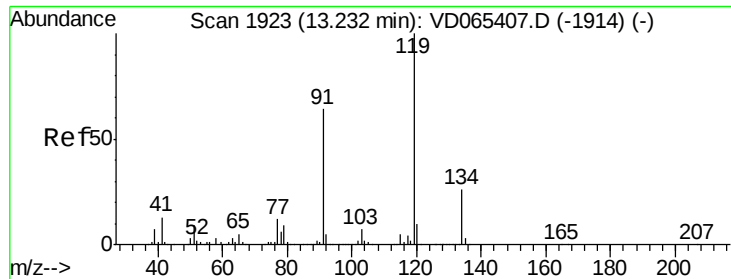
Delta R.T. -0.00 min

Lab File: VD065512.D

Acq: 16 Mar 2020 14:48

Tgt Ion:	91	Resp:	311962
Ion	Ratio	Lower	Upper
91	100		
126	35.7	17.6	52.8





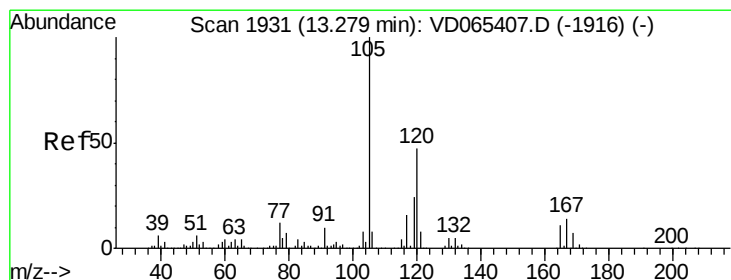
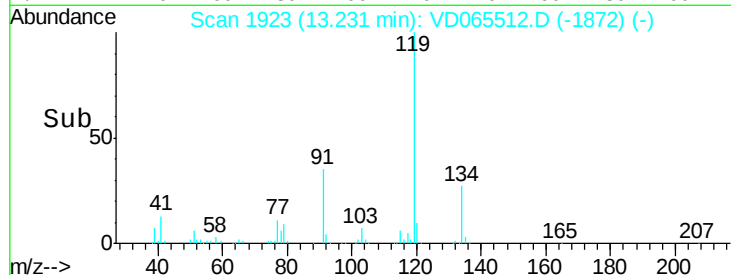
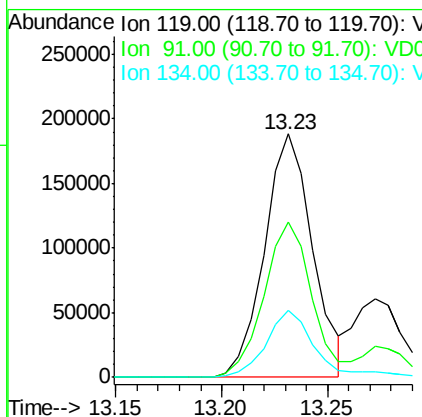
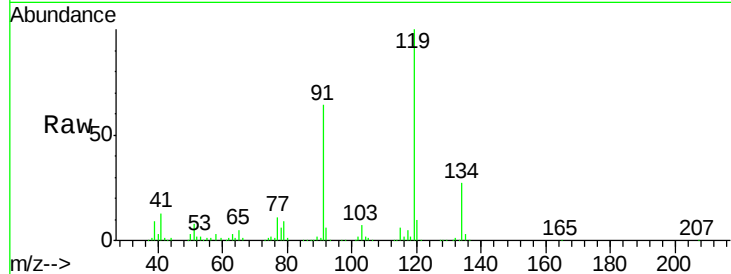
#83
tert-Butylbenzene
Concen: 21.044 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD065512.D
Acq: 16 Mar 2020 14:48

Instrument :
MSVOA_D
ClientSampleId :
VD0316SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	298169		
91	64.3		31.6	95.0
134	28.3		14.2	42.8

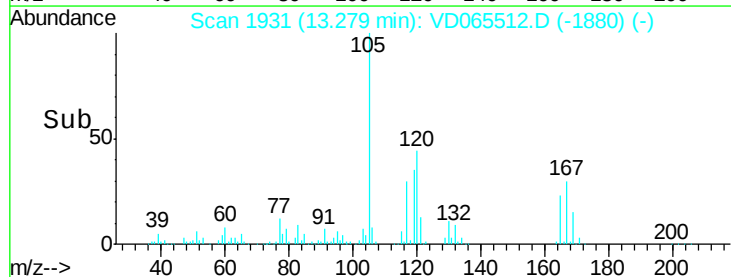
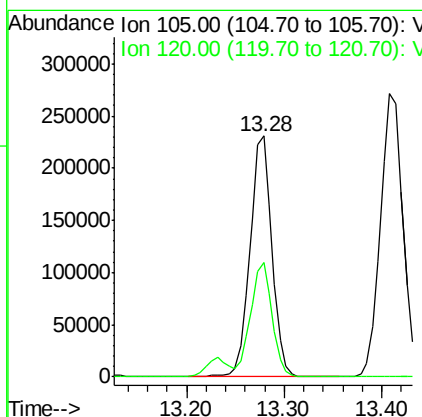
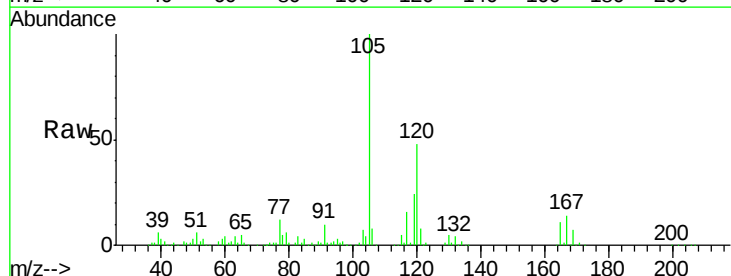
Manual Integrations
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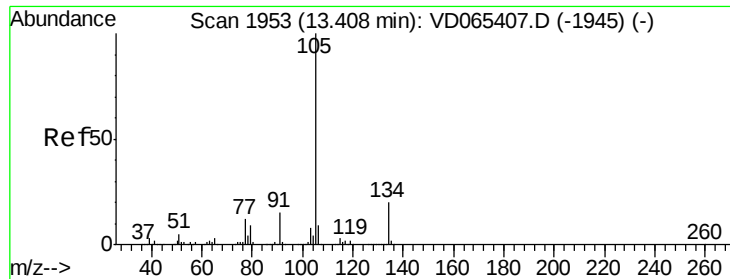
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#84
1,2,4-Trimethylbenzene
Concen: 22.088 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. -0.00 min
Lab File: VD065512.D
Acq: 16 Mar 2020 14:48

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	364645		
120	46.7		23.4	70.3





#85

sec-Butylbenzene

Concen: 21.368 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD065512.D

Acq: 16 Mar 2020 14:48

Instrument :

MSVOA_D

ClientSampleId :

VD0316SBS01

Tot Ion:105 Resp: 432157

Ion Ratio Lower Upper

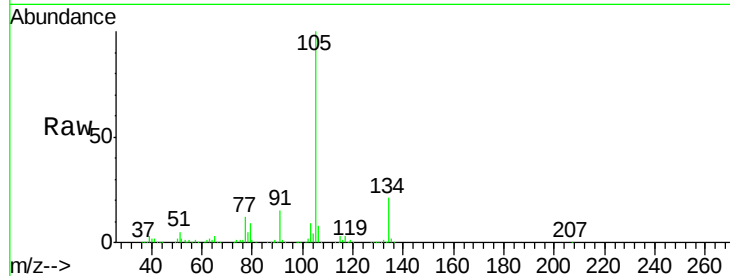
105 100

134 21.0 10.3 30.9

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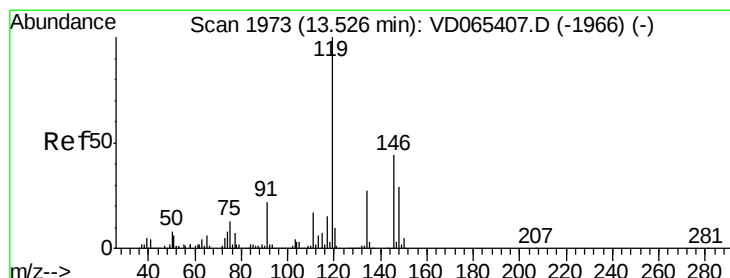
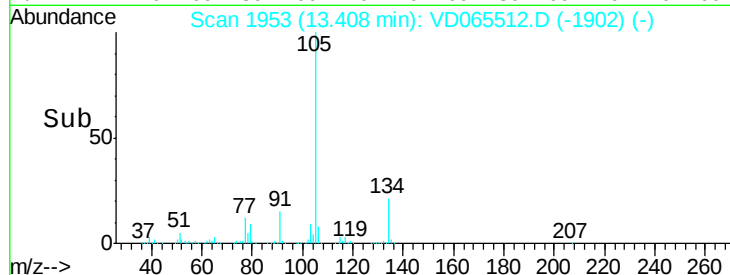
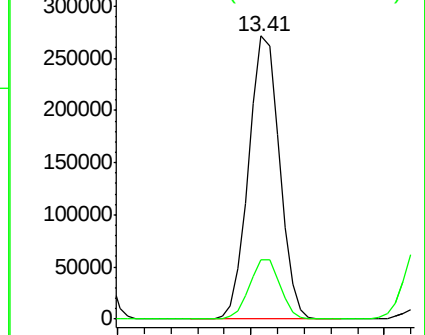
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.844 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065512.D

Acq: 16 Mar 2020 14:48

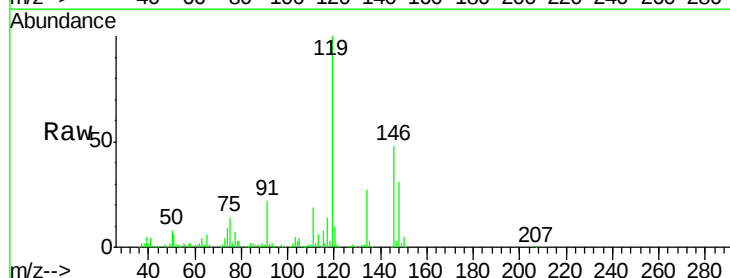
Tgt Ion:119 Resp: 403121

Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.9

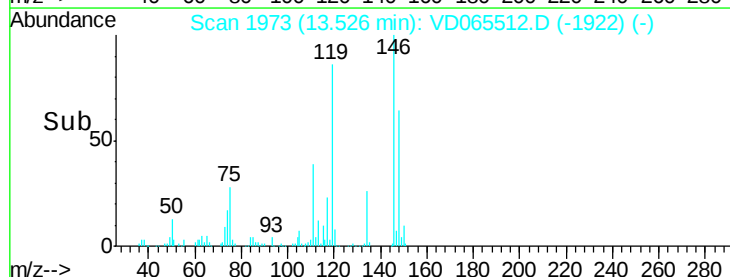
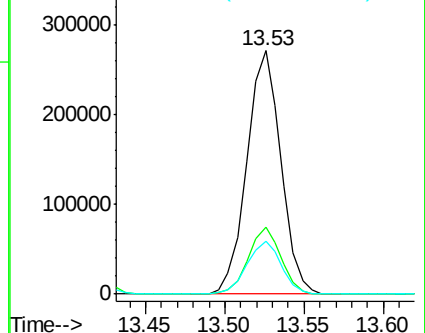
91 21.7 10.9 32.6

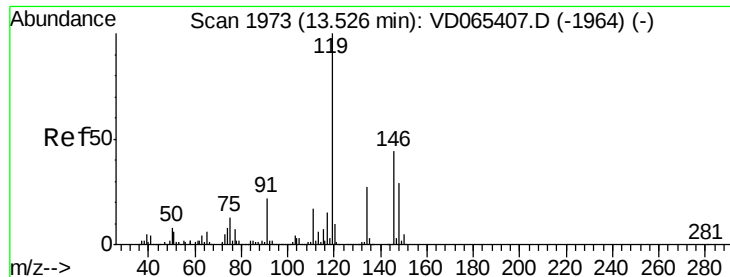


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





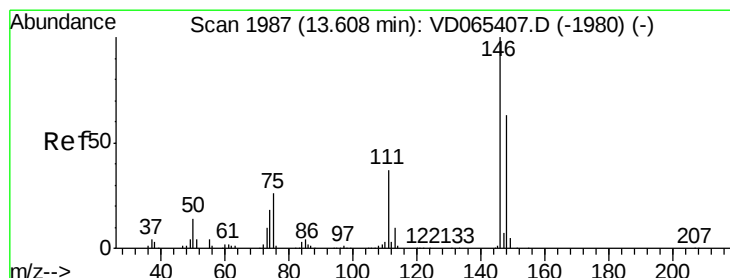
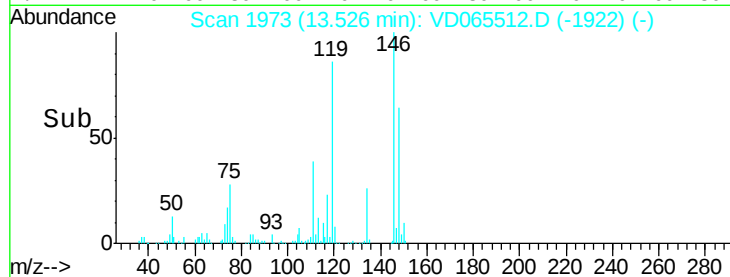
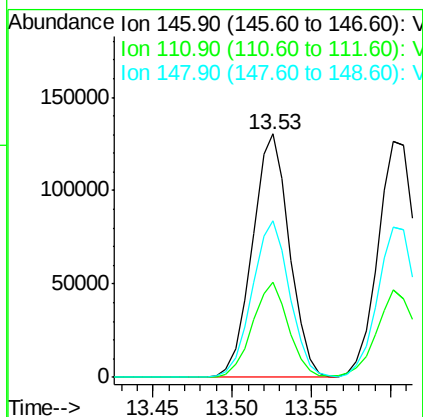
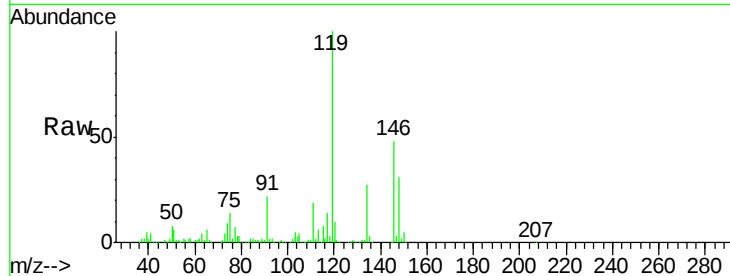
#87
 1,3-Dichlorobenzene
 Concen: 21.755 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065512.D
 Acq: 16 Mar 2020 14:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0316SBS001

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.1	57.1
148	65.0	32.3	96.8

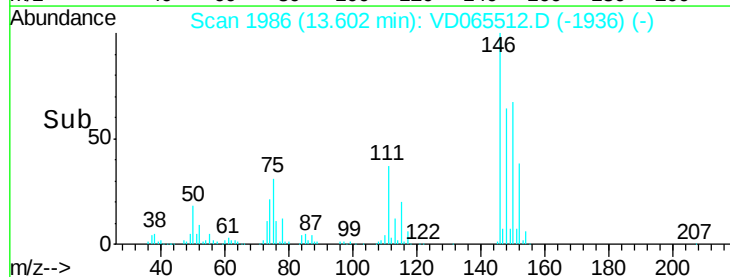
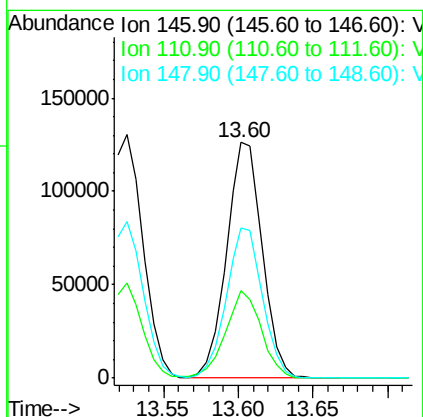
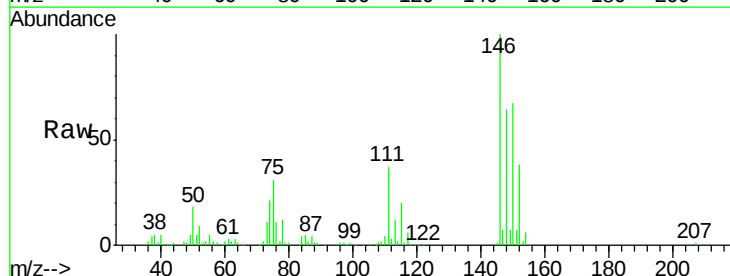
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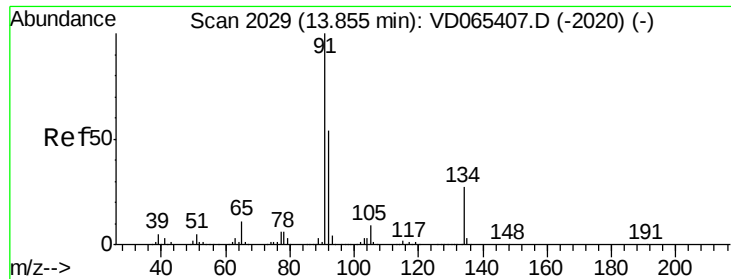
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#88
 1,4-Dichlorobenzene
 Concen: 21.797 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.01 min
 Lab File: VD065512.D
 Acq: 16 Mar 2020 14:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.5	55.5
148	64.5	32.0	96.0





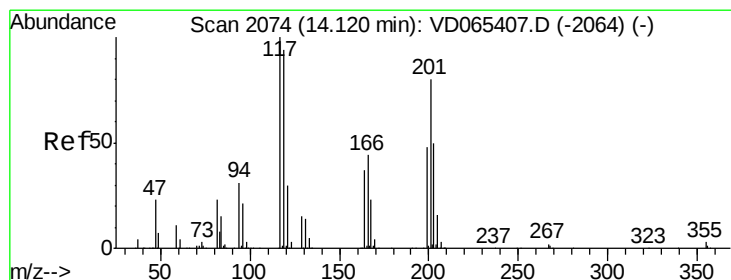
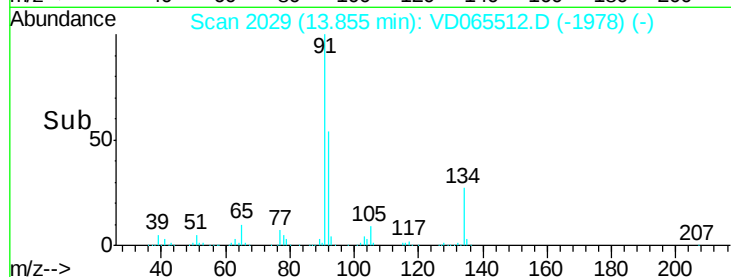
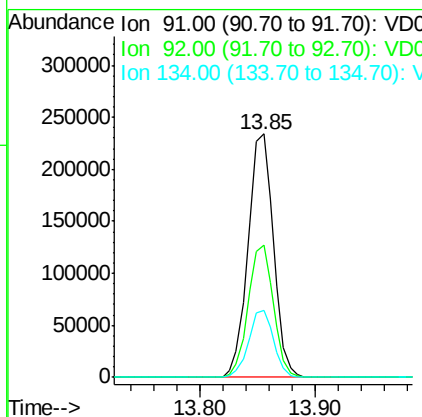
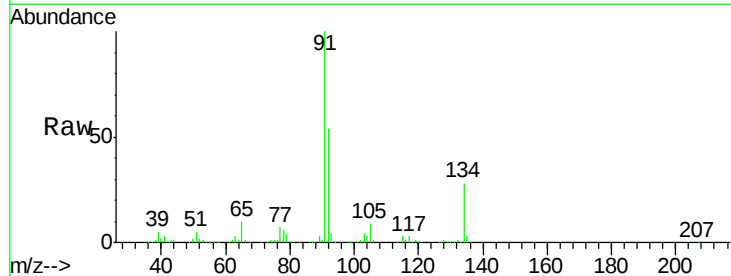
#89
n-Butylbenzene
Concen: 21.004 ug/l
RT: 13.85 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065512.D
Acq: 16 Mar 2020 14:48

Instrument :
MSVOA_D
ClientSampleId :
VD0316SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.1	26.8	80.4
134	27.2	13.4	40.2

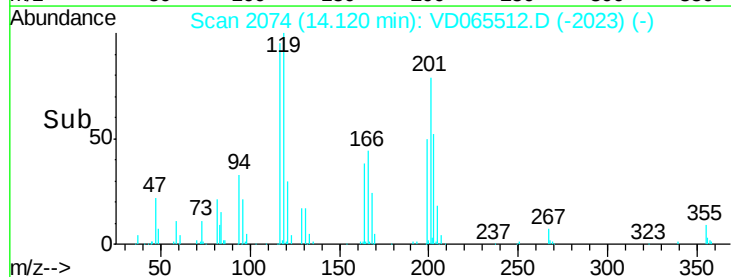
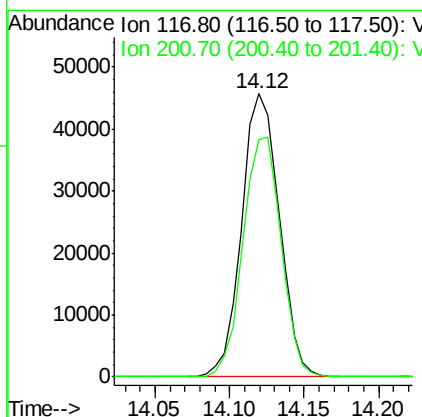
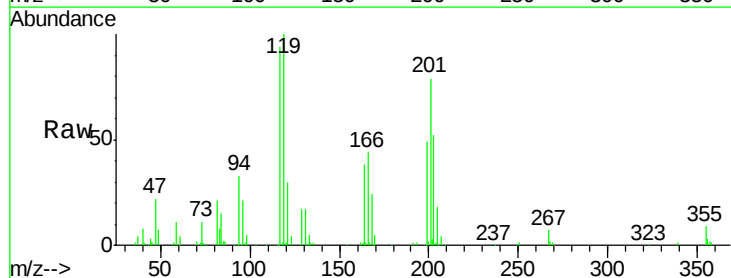
Manual Integrations
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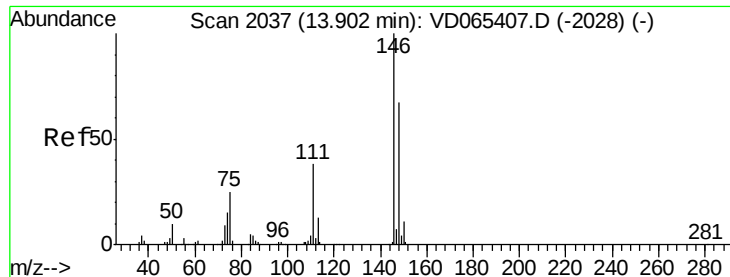
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#90
Hexachloroethane
Concen: 21.023 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065512.D
Acq: 16 Mar 2020 14:48

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.4	41.9	125.6





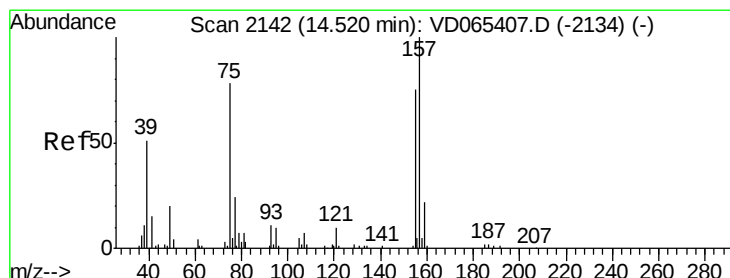
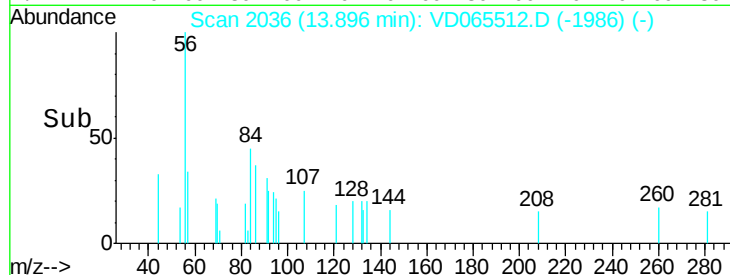
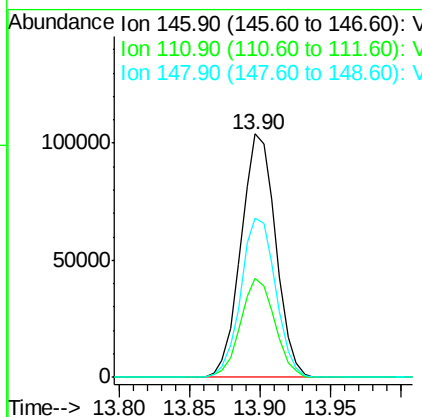
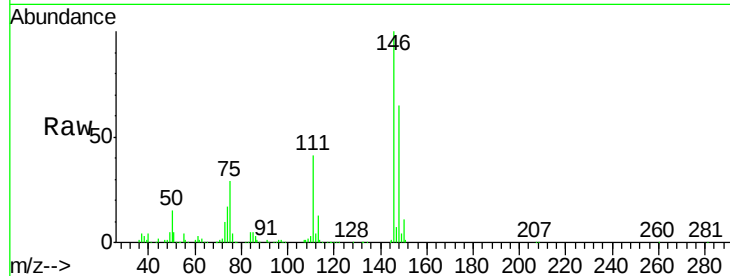
#91
 1,2-Dichlorobenzene
 Concen: 21.673 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065512.D
 Acq: 16 Mar 2020 14:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0316SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	179472		
111	39.7	19.8	59.3	
148	65.3	32.6	97.8	

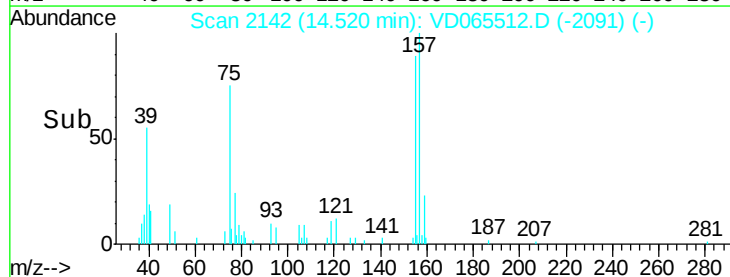
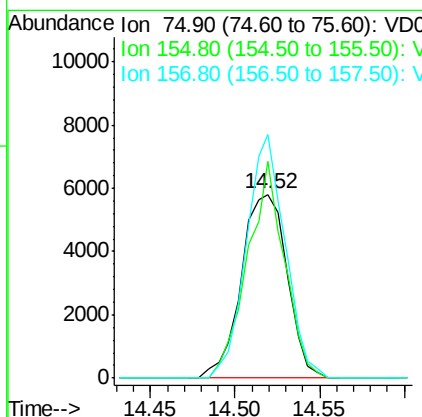
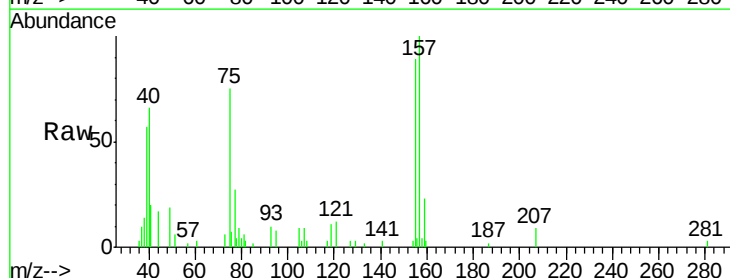
Manual Integrations
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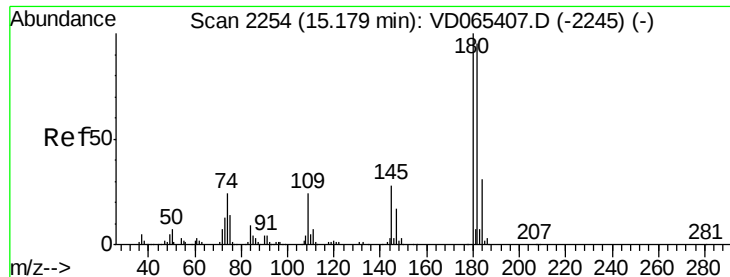
MMDadoda
 3/17/2020 12:09:55 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.064 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VD065512.D
 Acq: 16 Mar 2020 14:48

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	10942		
155	95.5	46.4	139.1	
157	112.2	60.2	180.4	





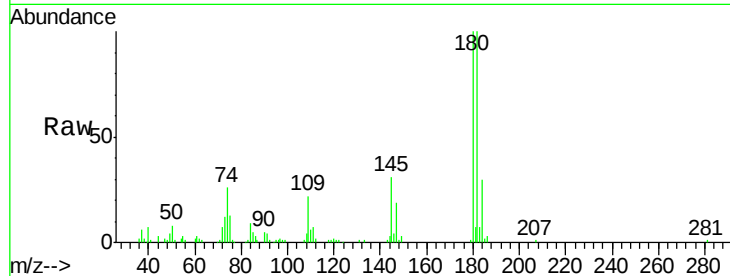
#93
1,2,4-Trichlorobenzene
Concen: 21.309 ug/l
RT: 15.17 min Scan# 2253
Delta R.T. -0.01 min
Lab File: VD065512.D
Acq: 16 Mar 2020 14:48

Instrument :
MSVOA_D
ClientSampleId :
VD0316SBS01

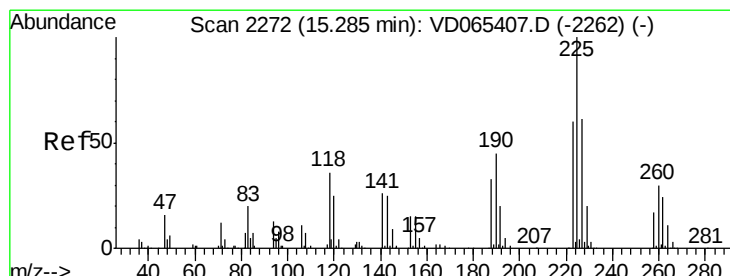
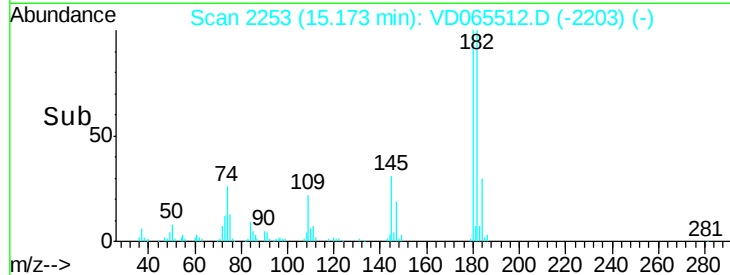
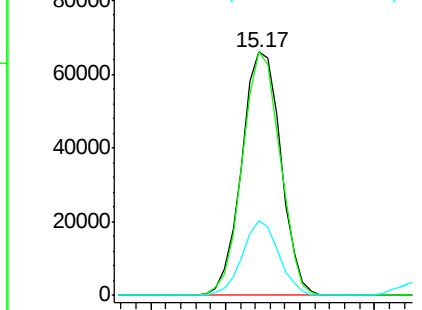
Tot Ion	Ratio	Resp	Lower	Upper
180	100	119598		
182	96.7	48.3	144.9	
145	28.6	14.4	43.4	

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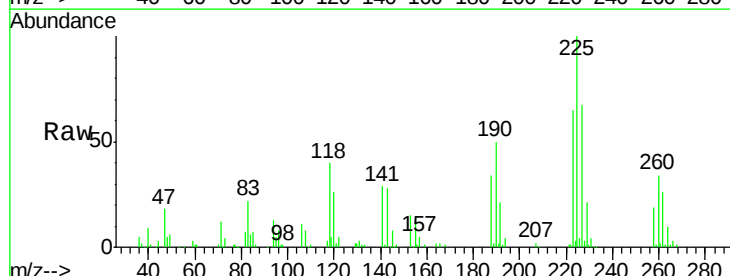


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

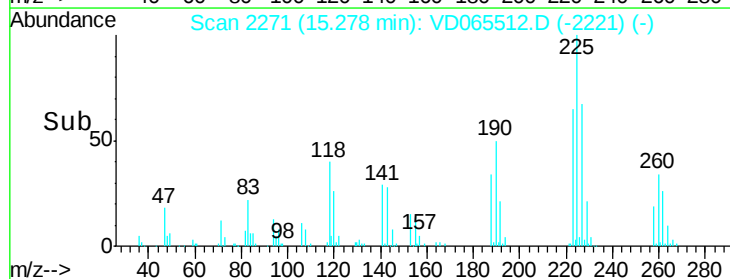
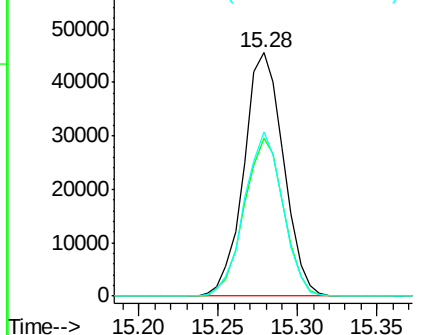


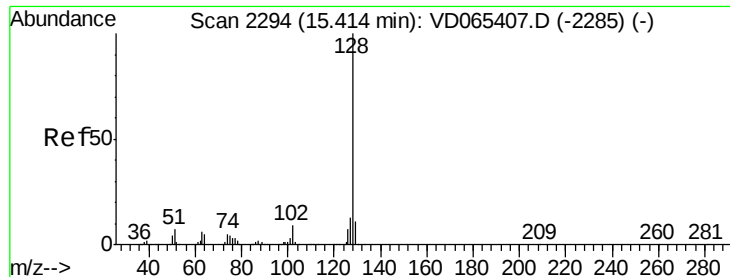
#94
Hexachlorobutadiene
Concen: 21.425 ug/l
RT: 15.28 min Scan# 2271
Delta R.T. -0.01 min
Lab File: VD065512.D
Acq: 16 Mar 2020 14:48

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	79012		
223	64.6	30.9	92.5	
227	65.7	31.6	94.7	



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 20.706 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD065512.D

Acq: 16 Mar 2020 14:48

Instrument :

MSVOA_D

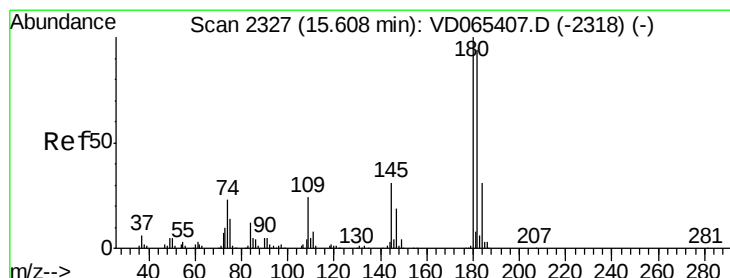
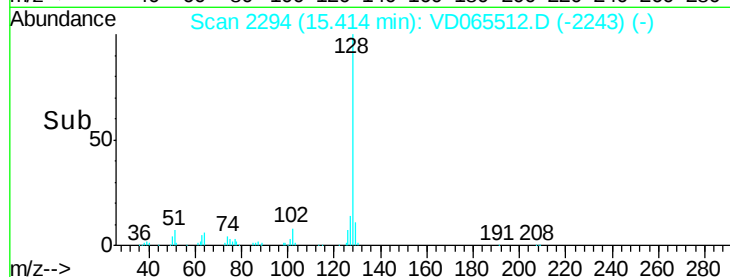
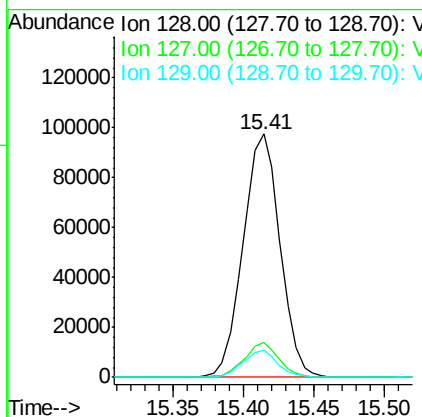
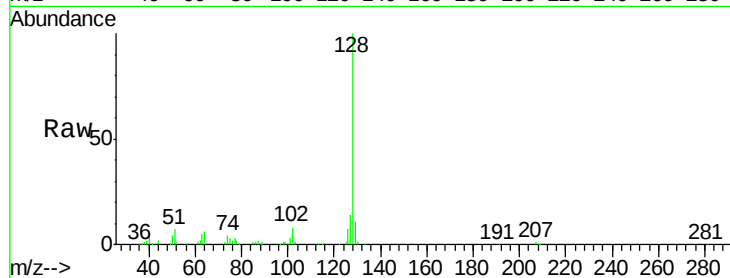
ClientSampleId :

VD0316SBS01

Tot Ion:	128	Resp:	178797
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.6	16.0
129	10.6	8.7	13.1

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 21.848 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. -0.01 min

Lab File: VD065512.D

Acq: 16 Mar 2020 14:48

Tgt Ion:	180	Resp:	105963
Ion Ratio	Lower	Upper	
180	100		
182	93.6	46.9	140.6
145	30.3	15.0	45.1

