

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030420\
 Data File : VD065417.D
 Acq On : 04 Mar 2020 18:14
 Operator : VA/SY
 Sample : VD0304SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0304SBS01

Manual Integrations
 APPROVED

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 3/5/2020 1:39:10 PM

Quant Time: Mar 05 02:28:24 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	481620	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	717155	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	665157	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	333721	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	214127	51.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.66%	
35) Dibromofluoromethane	7.92	113	224908	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	
50) Toluene-d8	10.34	98	869084	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	
62) 4-Bromofluorobenzene	12.64	95	284512	54.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	89210	21.553	ug/l	98
3) Chloromethane	2.21	50	104320	20.875	ug/l	98
4) Vinyl Chloride	2.35	62	101985	20.691	ug/l	99
5) Bromomethane	2.76	94	64379	20.485	ug/l	98
6) Chloroethane	2.92	64	61618	20.411	ug/l	97
7) Trichlorofluoromethane	3.27	101	147209	20.269	ug/l	96
8) Diethyl Ether	3.70	74	47803	22.132	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	93703	20.032	ug/l	100
10) Methyl Iodide	4.29	142	98698	20.310	ug/l	98
11) Tert butyl alcohol	5.26	59	23302	98.332	ug/l #	91
12) 1,1-Dichloroethene	4.06	96	92561	20.665	ug/l	97
13) Acrolein	3.92	56	41772	102.211	ug/l	100
14) Allyl chloride	4.71	41	140055	20.355	ug/l	99
15) Acrylonitrile	5.43	53	101655	108.186	ug/l	99
16) Acetone	4.17	43	82037	98.186	ug/l	96
17) Carbon Disulfide	4.40	76	305351	20.471	ug/l	98
18) Methyl Acetate	4.73	43	46503	21.941	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	189944	22.052	ug/l	99
20) Methylene Chloride	4.96	84	112317	22.880	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	102507	20.573	ug/l	94
22) Diisopropyl ether	6.37	45	295846	23.129	ug/l	98
23) Vinyl Acetate	6.31	43	785621	110.618	ug/l	98
24) 1,1-Dichloroethane	6.27	63	173135	21.103	ug/l	97
25) 2-Butanone	7.22	43	118208	103.673	ug/l	97
26) 2,2-Dichloropropane	7.21	77	141626	19.754	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	109717	21.543	ug/l	97
28) Bromochloromethane	7.55	49	70133	21.366	ug/l	99
29) Tetrahydrofuran	7.57	42	78994	108.487	ug/l	98
30) Chloroform	7.71	83	178339	21.748	ug/l	100
31) Cyclohexane	7.98	56	162777	19.842	ug/l	98
32) 1,1,1-Trichloroethane	7.91	97	155408	20.508	ug/l	98
36) 1,1-Dichloropropene	8.11	75	136144	19.805	ug/l	99
37) Ethyl Acetate	7.30	43	56449	21.245	ug/l	95
38) Carbon Tetrachloride	8.10	117	141292	19.821	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	159800	19.247	ug/l	94
40) Benzene	8.35	78	402333	20.933	ug/l	100
41) Methacrylonitrile	7.53	41	31750	22.595	ug/l #	84
42) 1,2-Dichloroethane	8.43	62	109816	21.880	ug/l	99
43) Isopropyl Acetate	8.46	43	103199	21.035	ug/l	99
44) Trichloroethene	9.11	130	110518	20.361	ug/l	96
45) 1,2-Dichloropropane	9.39	63	99903	21.458	ug/l	91
46) Dibromomethane	9.48	93	52257	21.638	ug/l	99
47) Bromodichloromethane	9.67	83	135300	21.535	ug/l	96
48) Methyl methacrylate	9.46	41	48161	20.869	ug/l	98
49) 1,4-Dioxane	9.47	88	11738	424.918	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	268137	108.608	ug/l	99
52) Toluene	10.41	92	257936	21.302	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	125782	21.423	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	156747	22.056	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	73687	21.543	ug/l	99
56) Ethyl methacrylate	10.67	69	85414	22.151	ug/l	99
57) 1,3-Dichloropropane	10.95	76	124122	21.447	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	211970	176.529	ug/l	99
59) 2-Hexanone	10.99	43	182205	106.613	ug/l	99
60) Dibromochloromethane	11.14	129	96464	22.001	ug/l	99
61) 1,2-Dibromoethane	11.25	107	71348	21.868	ug/l	96
64) Tetrachloroethene	10.88	164	96648	20.278	ug/l	95
65) Chlorobenzene	11.68	112	273149	20.752	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	100557	20.976	ug/l	99
67) Ethyl Benzene	11.75	91	458343	20.153	ug/l	99
68) m/p-Xylenes	11.86	106	365528	41.681	ug/l	99
69) o-Xylene	12.18	106	160590	20.818	ug/l	99
70) Styrene	12.20	104	289837	21.348	ug/l	99
71) Bromoform	12.37	173	56647	21.037	ug/l #	99
73) Isopropylbenzene	12.48	105	433960	19.770	ug/l	100
74) N-amyl acetate	12.30	43	94356	20.997	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	79800	20.682	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	63679m	24.182	ug/l	
77) Bromobenzene	12.77	156	115028	21.092	ug/l	99
78) n-propylbenzene	12.83	91	525152	20.164	ug/l	99
79) 2-Chlorotoluene	12.91	91	295663	20.143	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	370680	20.541	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	24666	19.767	ug/l	95
82) 4-Chlorotoluene	13.01	91	316643	20.529	ug/l	99
83) tert-Butylbenzene	13.23	119	298480	19.551	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	368588	20.721	ug/l	100
85) sec-Butylbenzene	13.41	105	426722	19.581	ug/l	100
86) p-Isopropyltoluene	13.53	119	389546	19.590	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	215093	20.515	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	212084	20.335	ug/l	98
89) n-Butylbenzene	13.86	91	359822	19.573	ug/l	99
90) Hexachloroethane	14.12	117	79926	19.517	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	188607	21.138	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11909	20.267	ug/l	95

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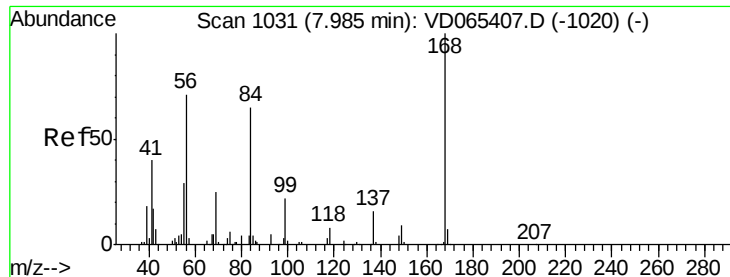
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	126103	20.852	ug/l	99
94) Hexachlorobutadiene	15.28	225	76418	19.232	ug/l	96
95) Naphthalene	15.41	128	193523	20.779	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	111179	21.275	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: VD065417.D

Acq: 04 Mar 2020 18:14

Instrument :

MSVOA_D

ClientSampleId :

VD0304SBS01

Tot Ion:168 Resp: 481620

Ion Ratio Lower Upper

168 100

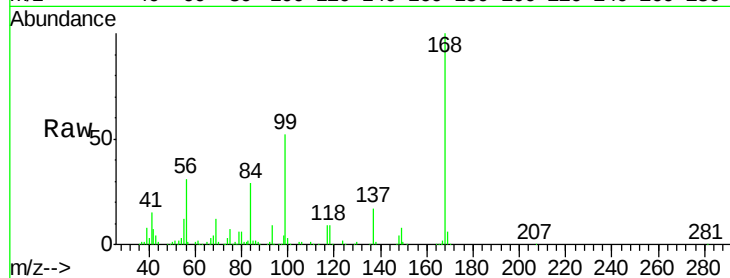
99 51.7 41.5 62.3

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

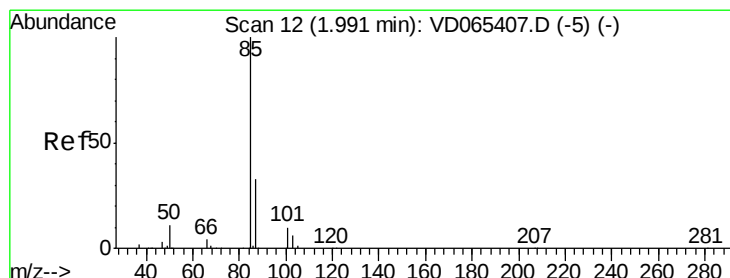
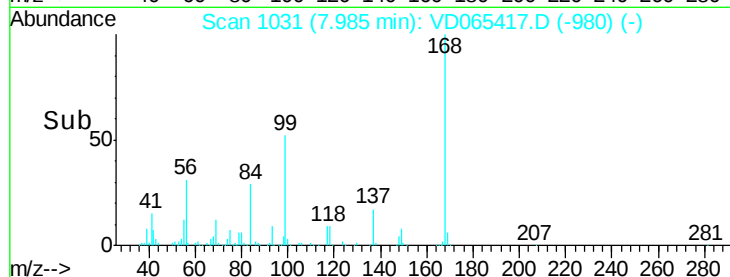
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 21.553 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065417.D

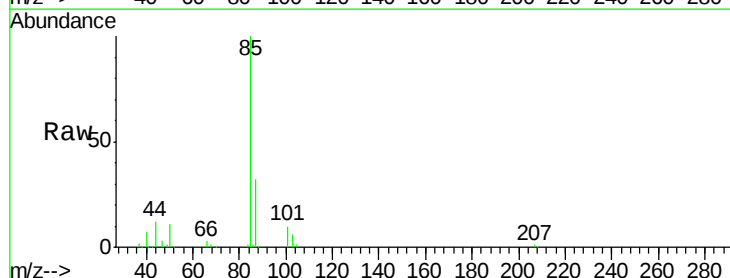
Acq: 04 Mar 2020 18:14

Tgt Ion: 85 Resp: 89210

Ion Ratio Lower Upper

85 100

87 31.7 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

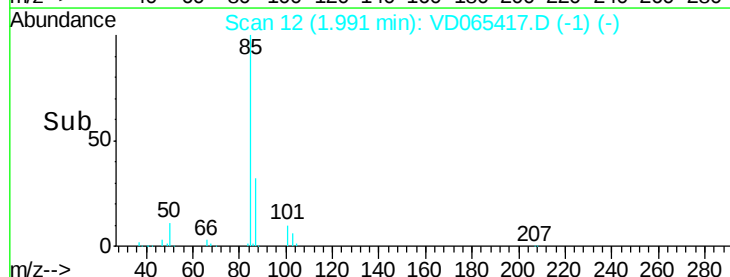
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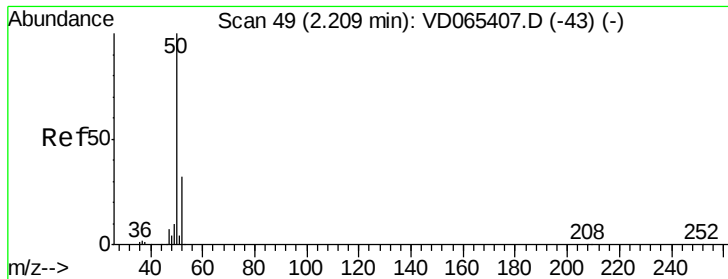
20000

0

1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 20.875 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065417.D

Acq: 04 Mar 2020 18:14

Instrument :

MSVOA_D

ClientSampleId :

VD0304SBS01

Tot Ion: 50 Resp: 104320

Ion Ratio Lower Upper

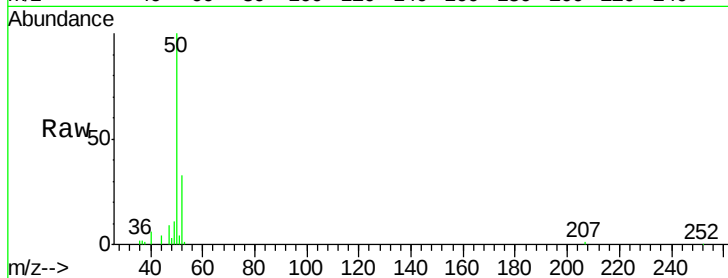
50 100

52 33.4 25.8 38.8

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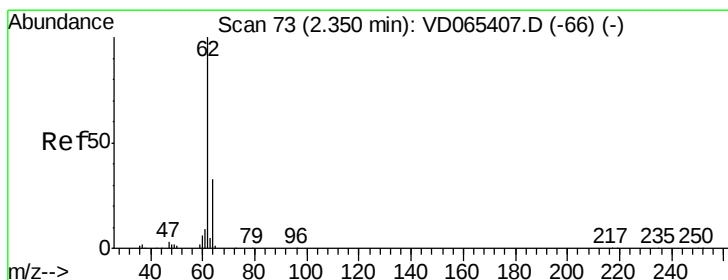
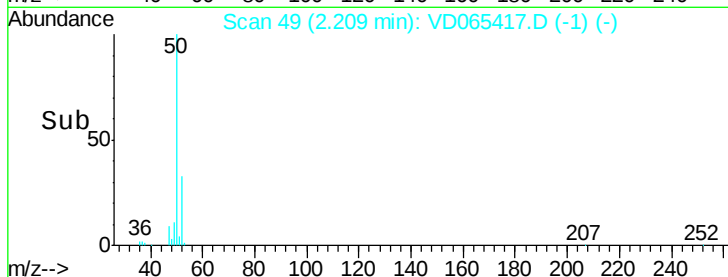
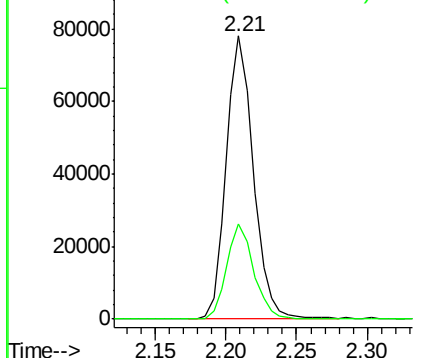
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.691 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065417.D

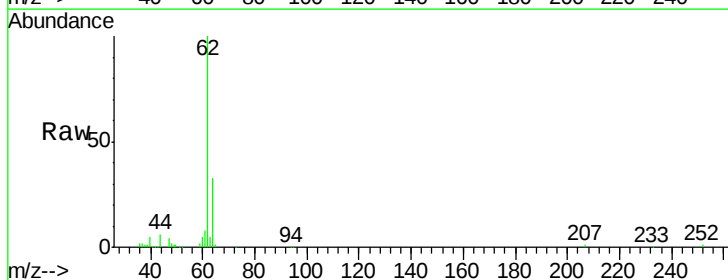
Acq: 04 Mar 2020 18:14

Tgt Ion: 62 Resp: 101985

Ion Ratio Lower Upper

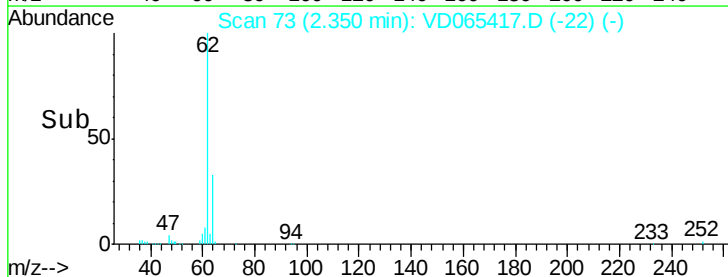
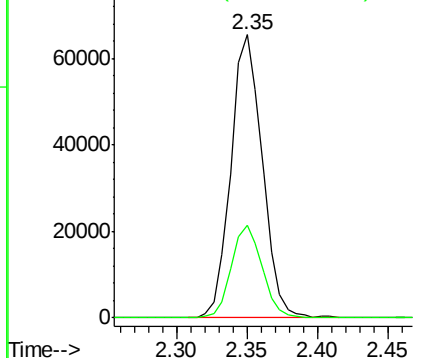
62 100

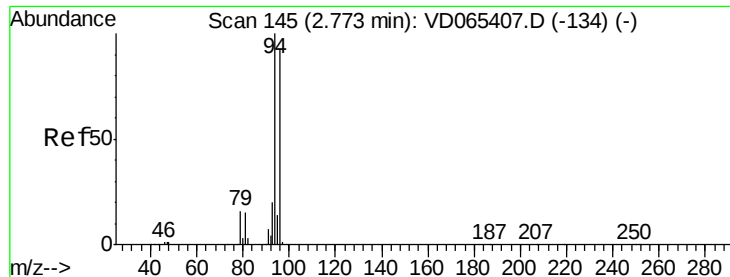
64 32.8 26.6 39.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 20.485 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD065417.D

Acq: 04 Mar 2020 18:14

Instrument :

MSVOA_D

ClientSampleId :

VD0304SBS01

Tot Ion: 94 Resp: 64379

Ion Ratio Lower Upper

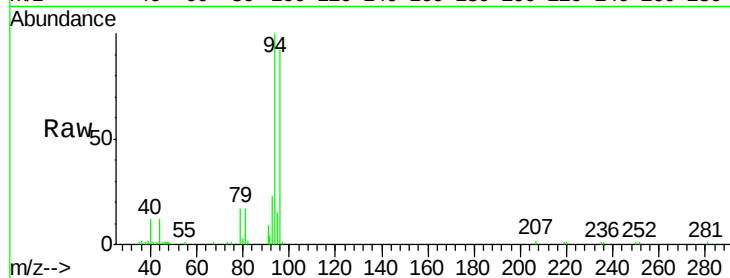
94 100

96 90.9 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

2.76

25000

20000

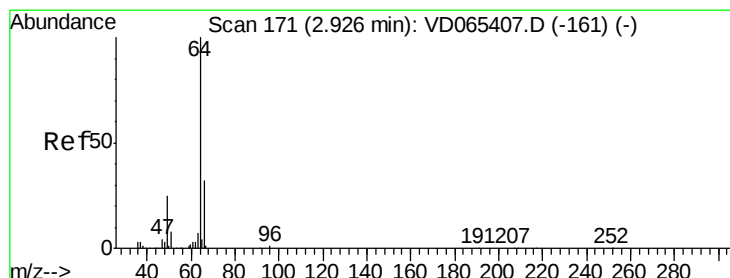
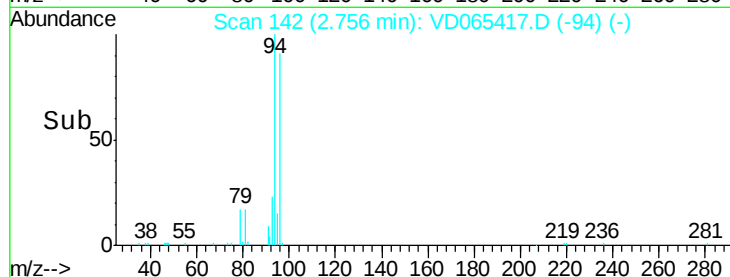
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 20.411 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065417.D

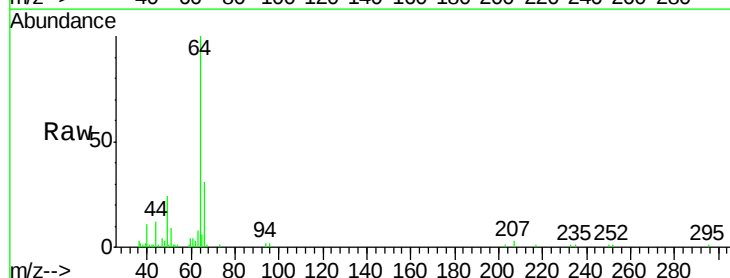
Acq: 04 Mar 2020 18:14

Tgt Ion: 64 Resp: 61618

Ion Ratio Lower Upper

64 100

66 30.6 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

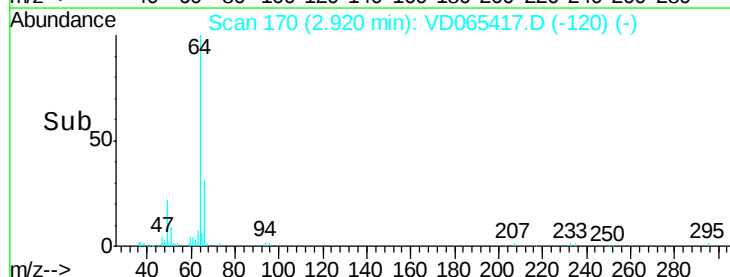
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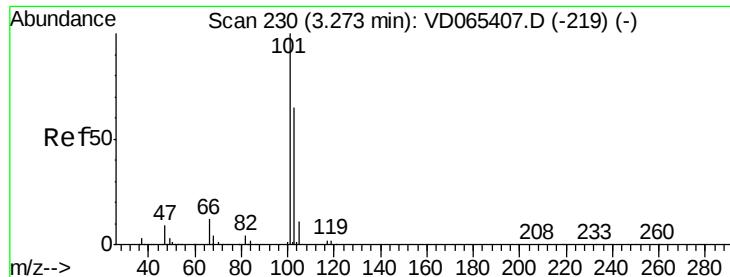
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Time-->





#7

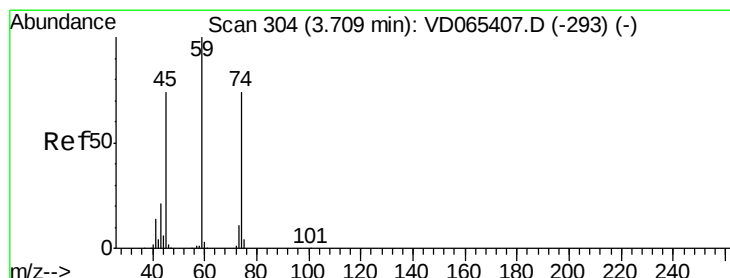
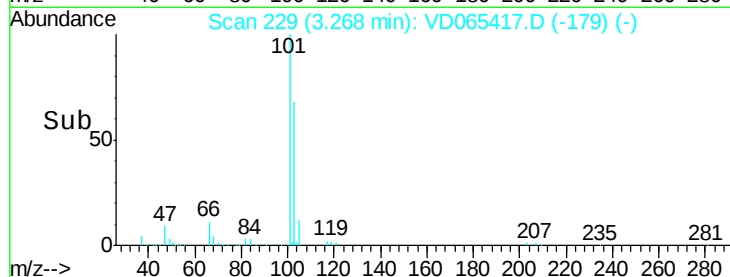
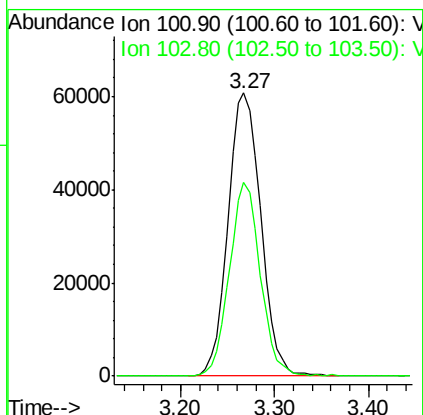
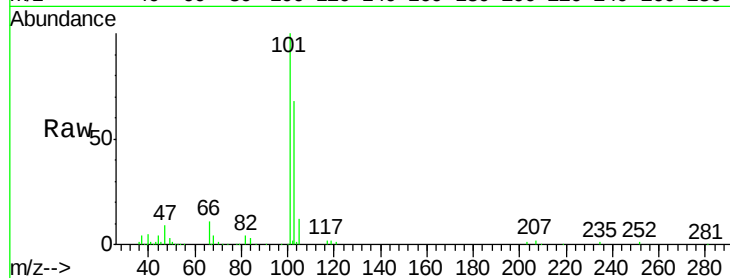
Trichlorofluoromethane
 Concen: 20.269 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD065417.D
 Acq: 04 Mar 2020 18:14

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 ClientSampleId :
 VD0304SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	68.1	52.1	78.1

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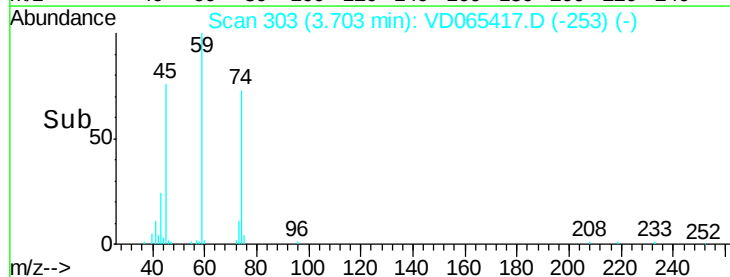
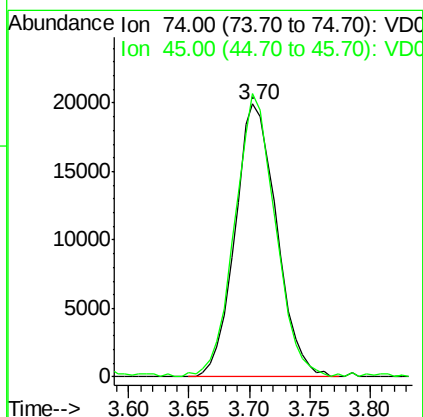
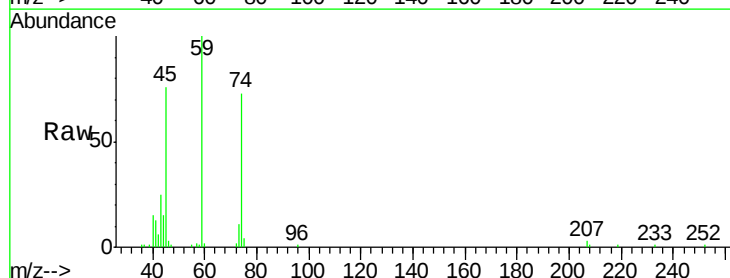
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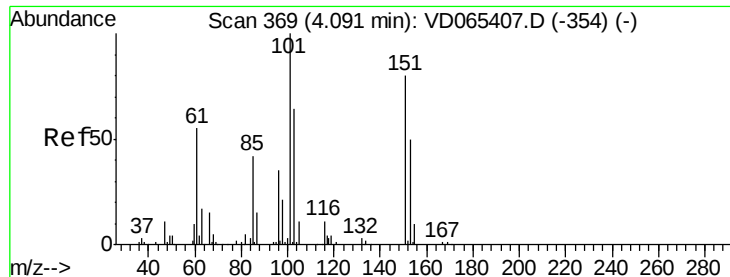


#8

Diethyl Ether
 Concen: 22.132 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD065417.D
 Acq: 04 Mar 2020 18:14

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.4	49.5	148.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.032 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065417.D

Acq: 04 Mar 2020 18:14

Instrument :

MSVOA_D

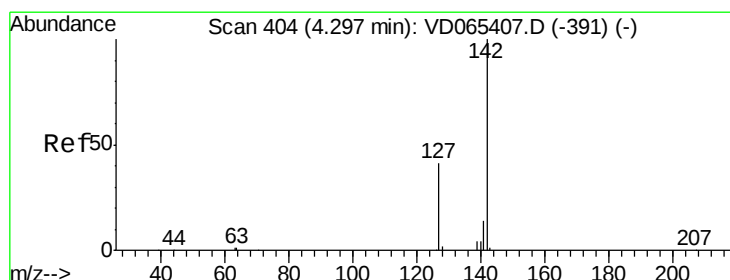
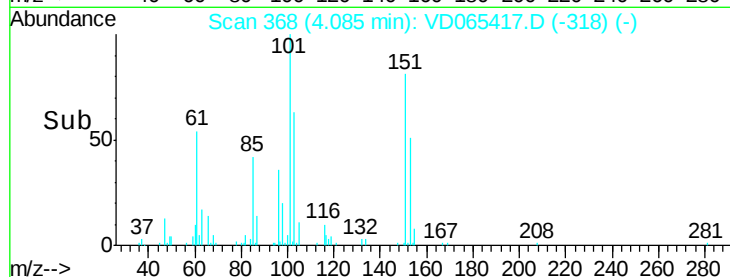
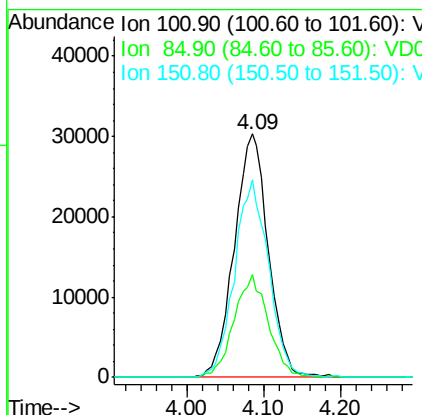
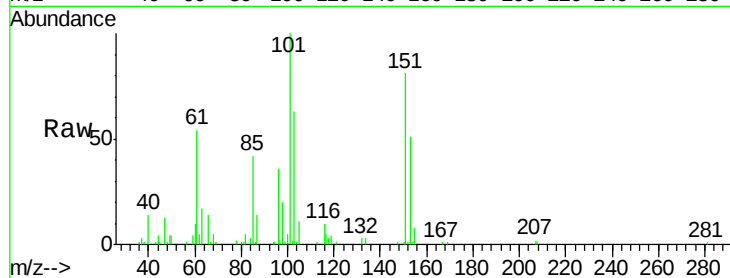
ClientSampleId :

VD0304SBSD01

Tot Ion:	101	Resp:	93703
Ion Ratio	Lower	Upper	
101	100		
85	42.3	34.2	51.2
151	81.4	65.1	97.7

Manual Integrations
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#10

Methyl Iodide

Concen: 20.310 ug/l

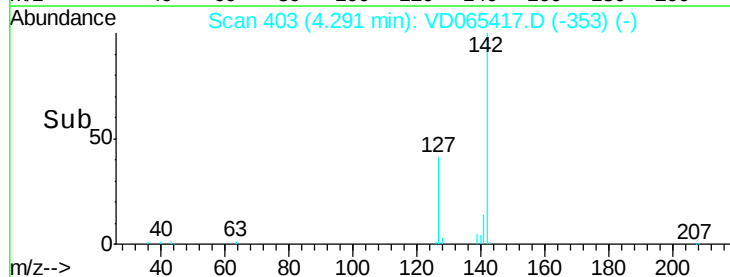
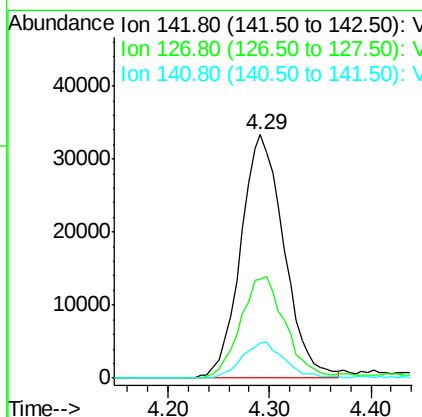
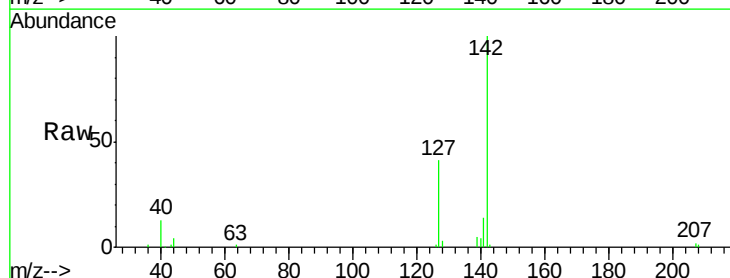
RT: 4.29 min Scan# 403

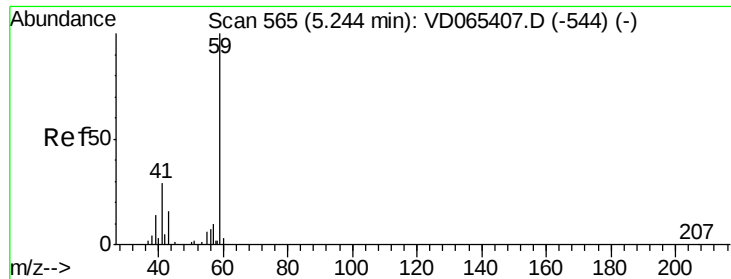
Delta R.T. -0.01 min

Lab File: VD065417.D

Acq: 04 Mar 2020 18:14

Tgt Ion:	142	Resp:	98698
Ion Ratio	Lower	Upper	
142	100		
127	43.0	35.0	52.6
141	14.5	12.4	18.6





#11

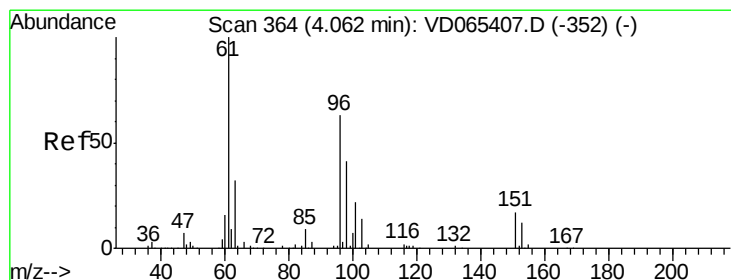
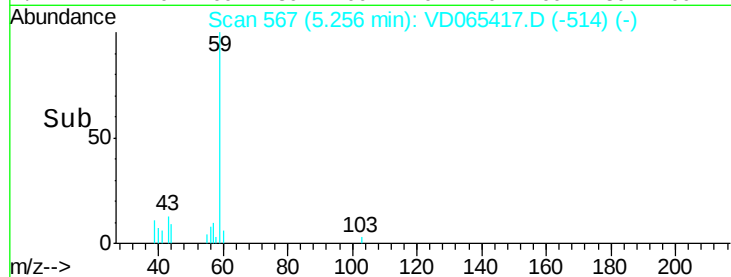
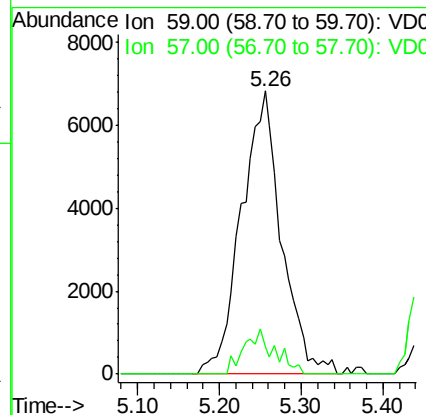
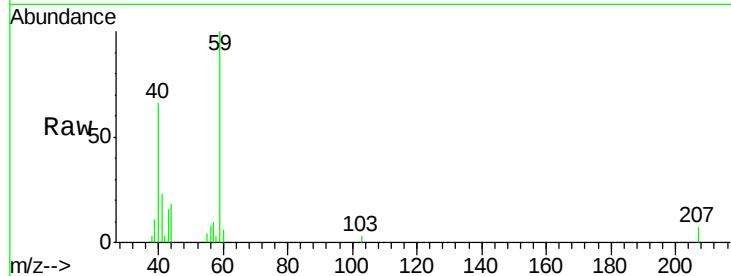
Tert butyl alcohol
Concen: 98.332 ug/l
RT: 5.26 min Scan# 567
Delta R.T. 0.01 min
Lab File: VD065417.D
Acq: 04 Mar 2020 18:14

Instrument :
MSVOA_D
ClientSampleId :
VD0304SBS01

Tot Ion: 59 Resp: 23302
Ion Ratio Lower Upper
59 100
57 11.9 6.9 10.3#

Manual Integrations
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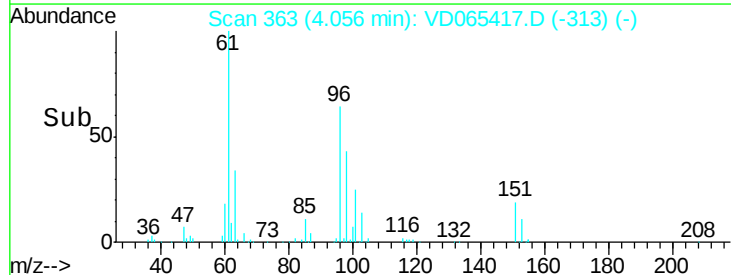
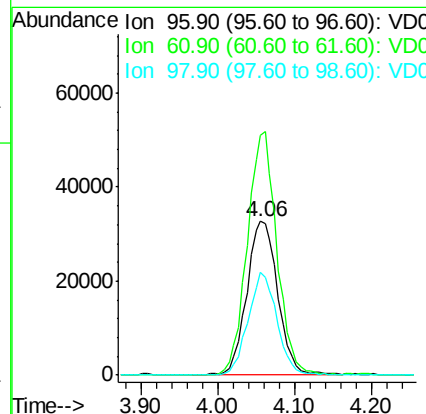
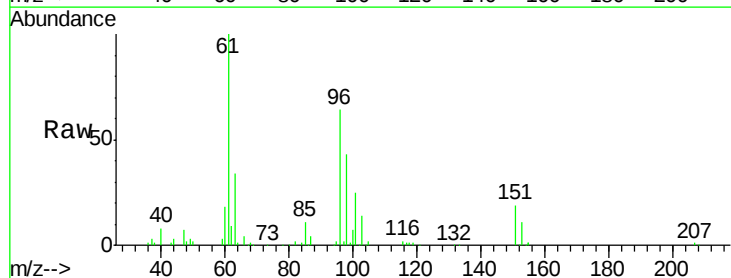
MMDadoda
3/5/2020 1:39:10 PM

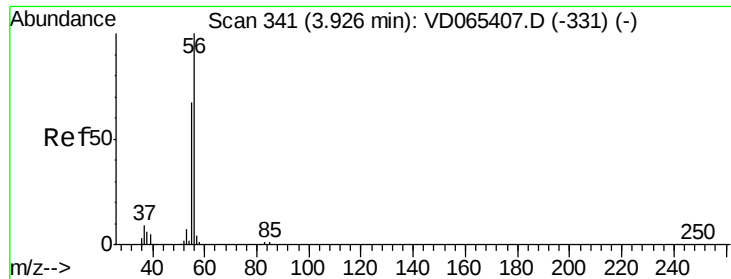


#12

1,1-Dichloroethene
Concen: 20.665 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD065417.D
Acq: 04 Mar 2020 18:14

Tgt Ion: 96 Resp: 92561
Ion Ratio Lower Upper
96 100
61 155.7 128.0 192.0
98 66.6 51.9 77.9





#13

Acrolein

Concen: 102.211 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065417.D

Acq: 04 Mar 2020 18:14

Instrument :

MSVOA_D

ClientSampleId :

VD0304SBS01

Tot Ion: 56 Resp: 41772

Ion Ratio Lower Upper

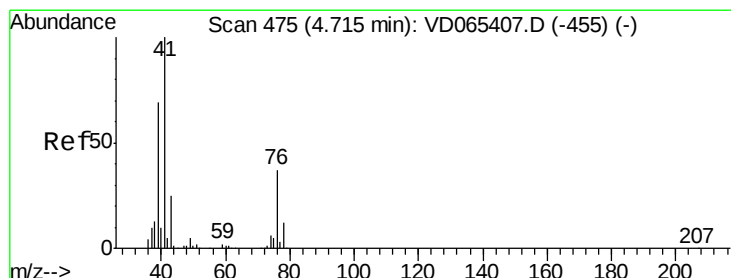
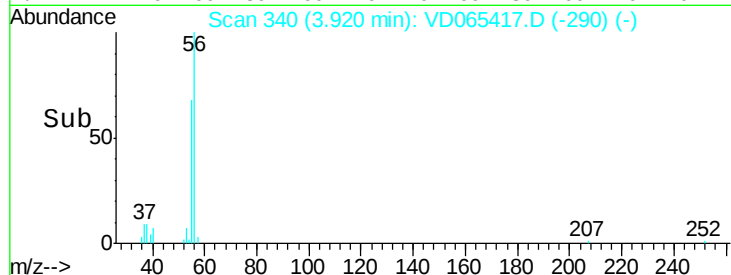
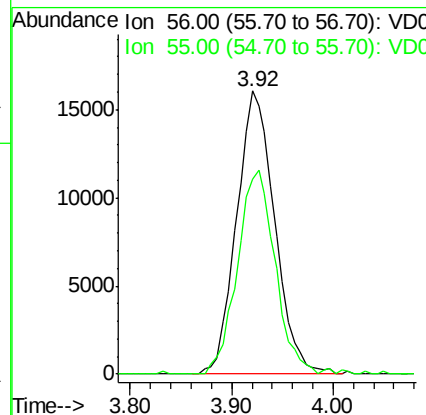
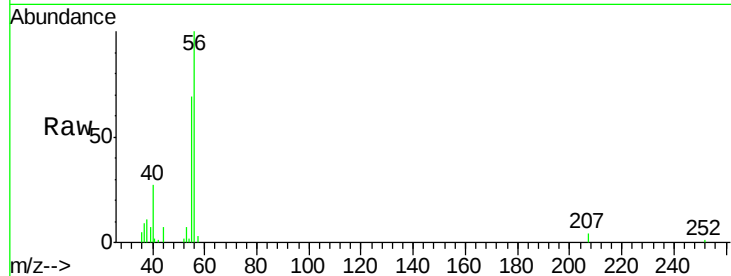
56 100

55 71.2 56.6 85.0

Manual Integrations
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#14

Allyl chloride

Concen: 20.355 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD065417.D

Acq: 04 Mar 2020 18:14

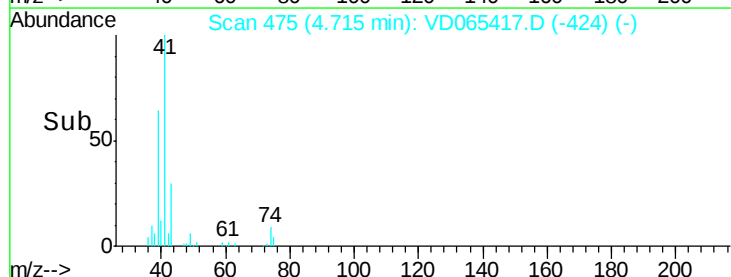
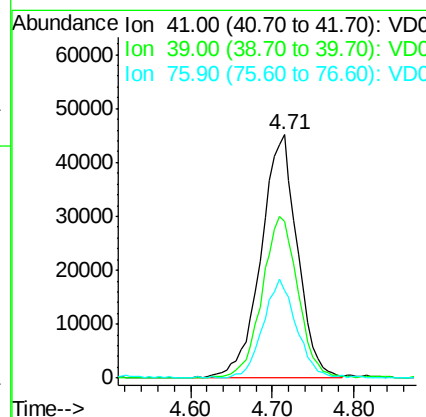
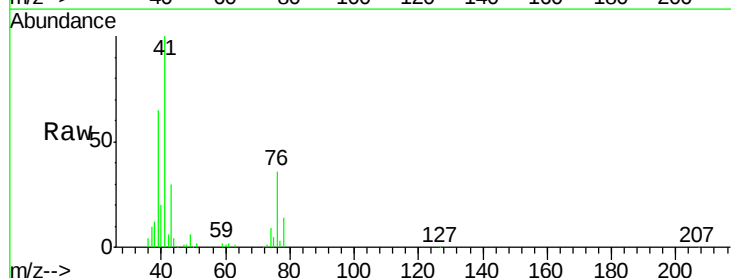
Tgt Ion: 41 Resp: 140055

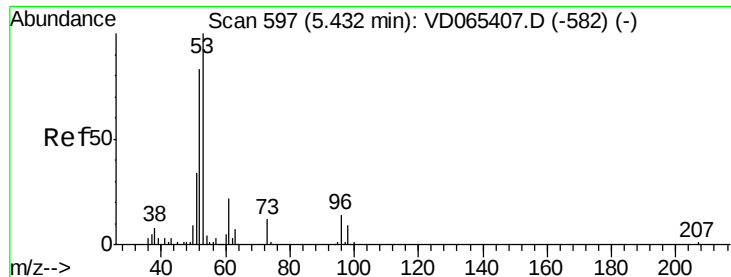
Ion Ratio Lower Upper

41 100

39 65.2 52.6 79.0

76 37.1 29.2 43.8





#15

Acrylonitrile

Concen: 108.186 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD065417.D

Acq: 04 Mar 2020 18:14

Instrument :

MSVOA_D

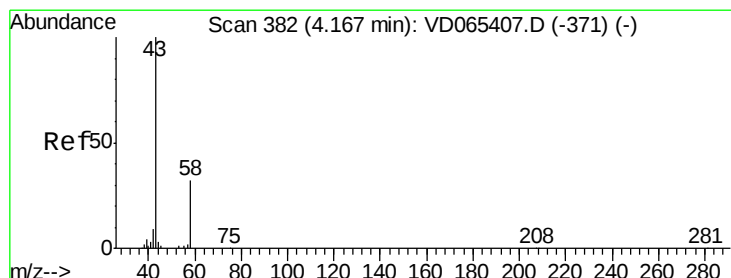
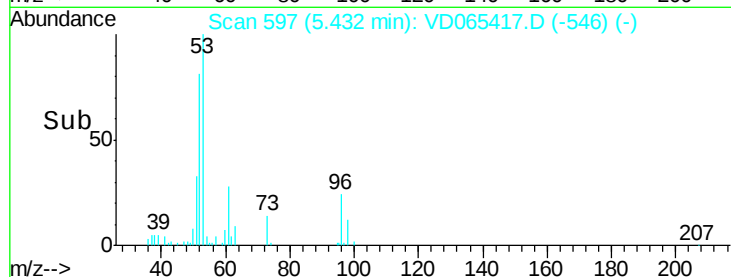
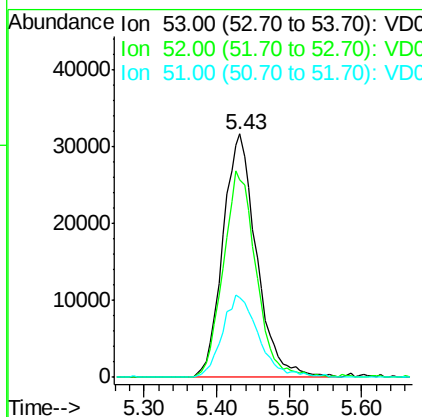
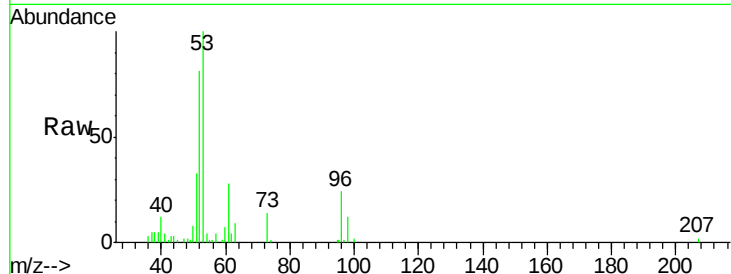
ClientSampleId :

VD0304SBS01

Tot Ion:	53	Resp:	101655
Ion Ratio		Lower	Upper
53	100		
52	82.5	65.1	97.7
51	36.3	28.5	42.7

Manual Integrations
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#16

Acetone

Concen: 98.186 ug/l

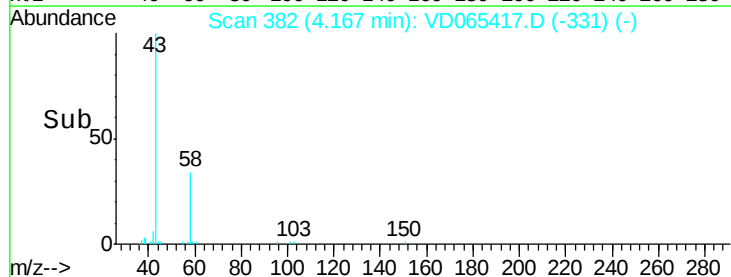
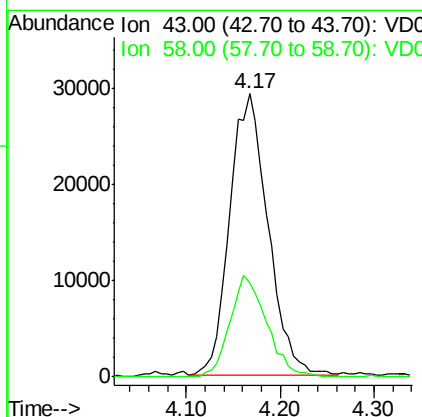
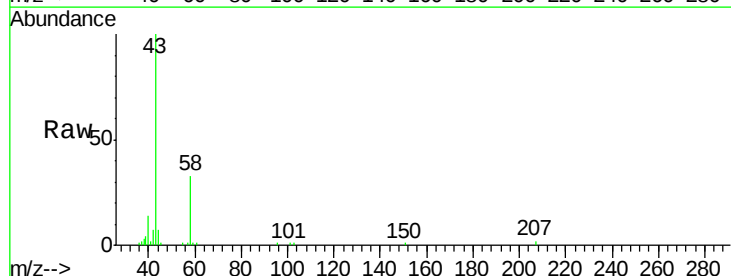
RT: 4.17 min Scan# 382

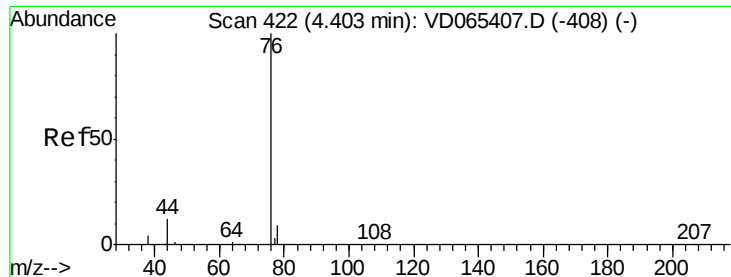
Delta R.T. 0.00 min

Lab File: VD065417.D

Acq: 04 Mar 2020 18:14

Tgt Ion:	43	Resp:	82037
Ion Ratio		Lower	Upper
43	100		
58	33.4	25.1	37.7





#17

Carbon Disulfide

Concen: 20.471 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD065417.D

Acq: 04 Mar 2020 18:14

Instrument :

MSVOA_D

ClientSampleId :

VD0304SBS01

Tot Ion: 76 Resp: 305351

Ion Ratio Lower Upper

76 100

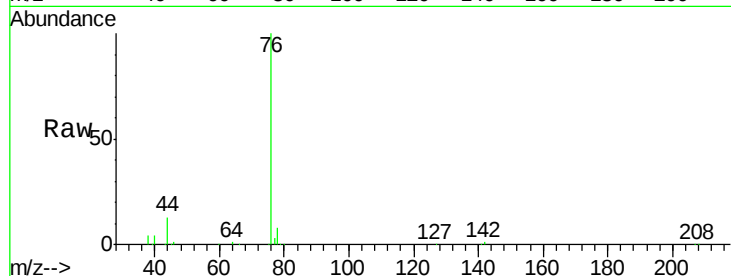
78 8.3 7.4 11.0

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

4.40

120000

100000

80000

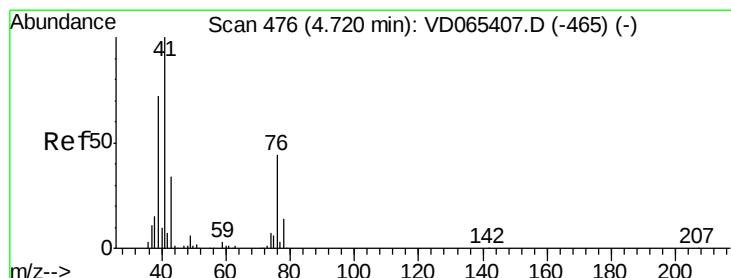
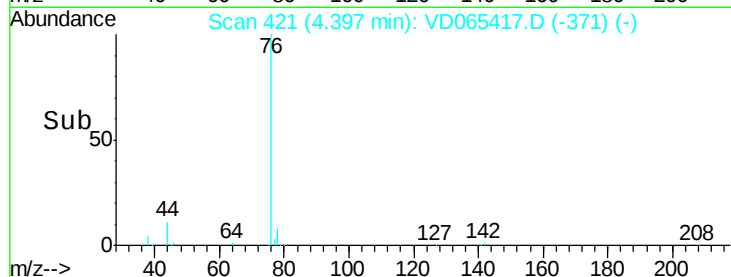
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 21.941 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.01 min

Lab File: VD065417.D

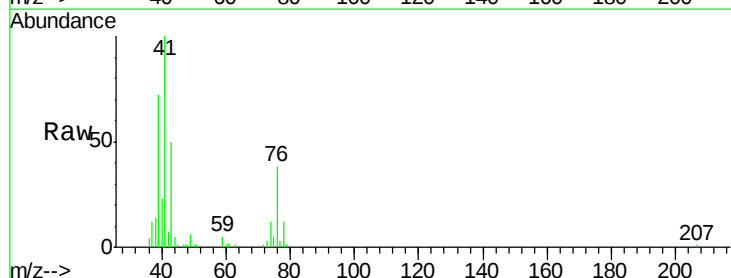
Acq: 04 Mar 2020 18:14

Tgt Ion: 43 Resp: 46503

Ion Ratio Lower Upper

43 100

74 24.8 19.6 29.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.73

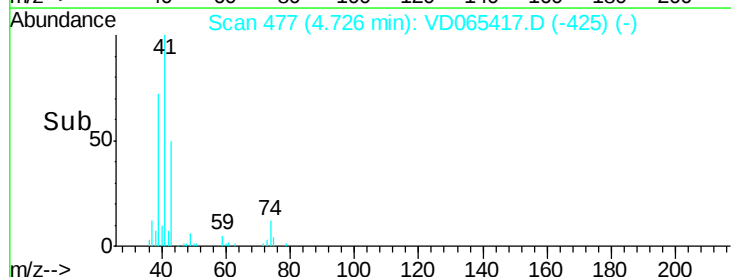
15000

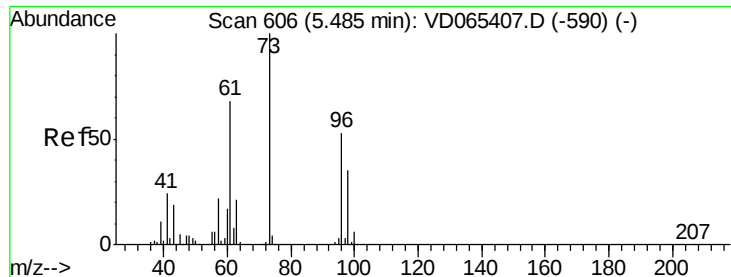
10000

5000

0

Time-->





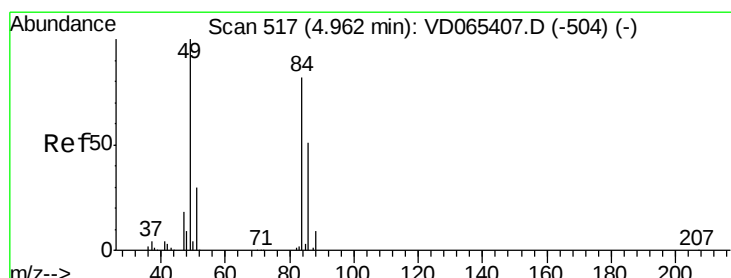
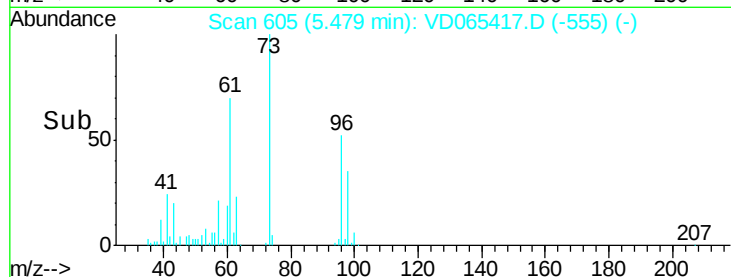
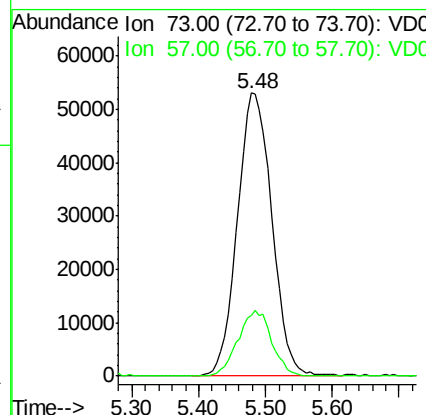
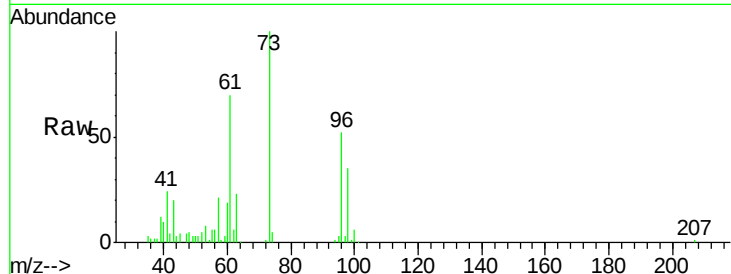
#19
Methvl tert-butvl Ether
Concen: 22.052 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD065417.D
Acq: 04 Mar 2020 18:14

Instrument :
MSVOA_D
ClientSampleId :
VD0304SBS01

Tot Ion: 73 Resp: 189944
Ion Ratio Lower Upper
73 100
57 21.4 17.3 25.9

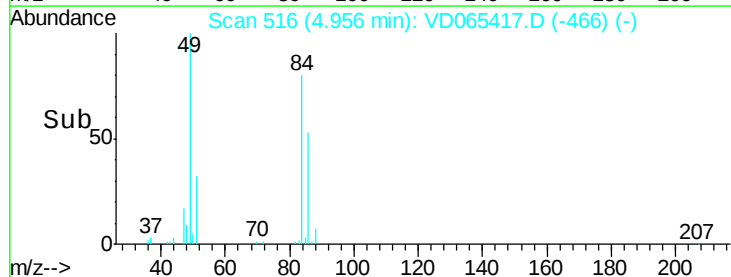
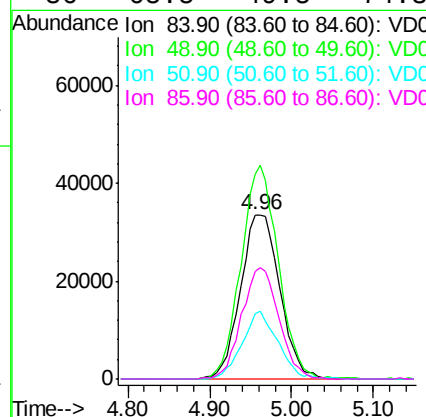
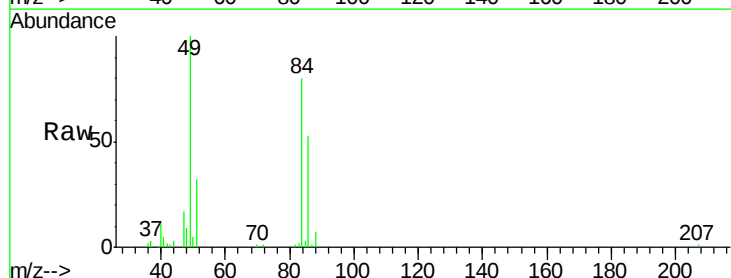
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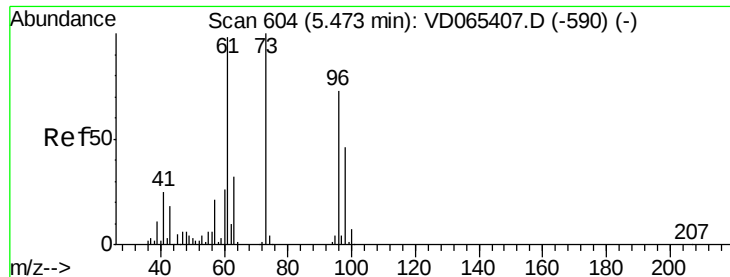
MMDadoda
3/5/2020 1:39:10 PM



#20
Methylene Chloride
Concen: 22.880 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD065417.D
Acq: 04 Mar 2020 18:14

Tgt Ion: 84 Resp: 112317
Ion Ratio Lower Upper
84 100
49 124.6 97.7 146.5
51 39.7 28.8 43.2
86 65.5 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 20.573 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065417.D

Acq: 04 Mar 2020 18:14

Instrument :

MSVOA_D

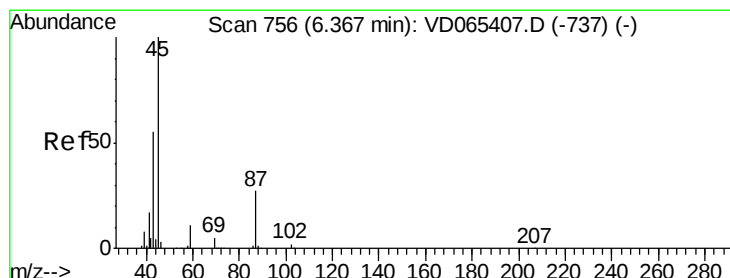
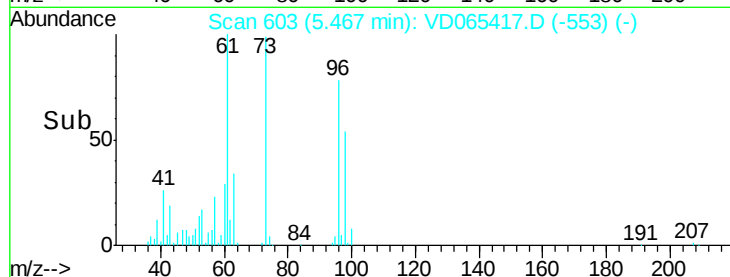
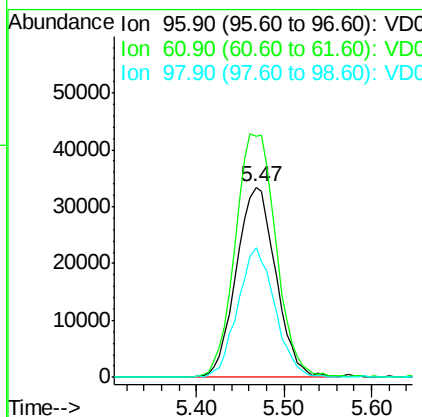
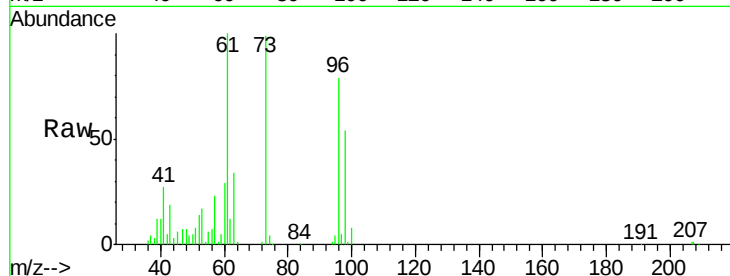
ClientSampleId :

VD0304SBS01

Tot Ion:	96	Resp:	102507
Ion	Ratio	Lower	Upper
96	100		
61	126.8	106.3	159.5
98	68.1	50.2	75.4

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#22

Diisopropyl ether

Concen: 23.129 ug/l

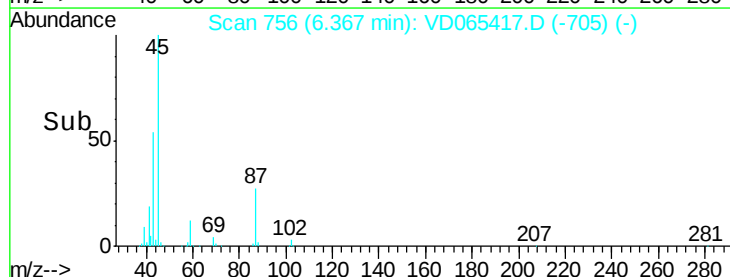
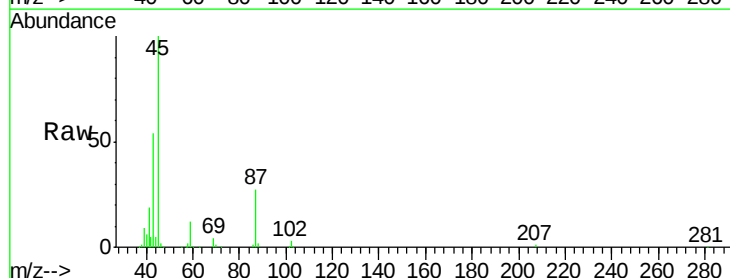
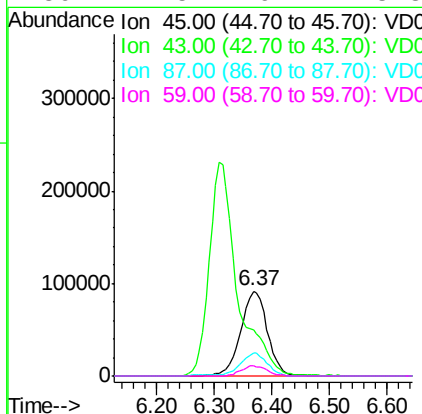
RT: 6.37 min Scan# 756

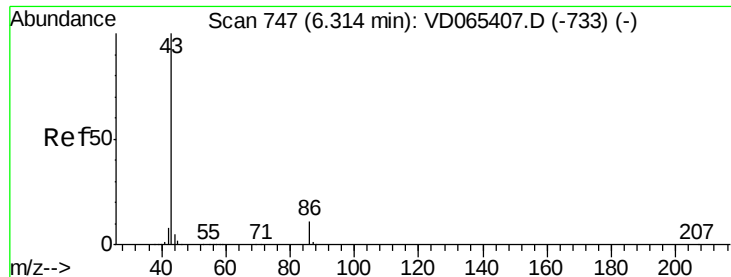
Delta R.T. 0.00 min

Lab File: VD065417.D

Acq: 04 Mar 2020 18:14

Tgt Ion:	45	Resp:	295846
Ion	Ratio	Lower	Upper
45	100		
43	53.6	44.4	66.6
87	27.2	21.9	32.9
59	11.5	9.2	13.8





#23

Vinyl Acetate

Concen: 110.618 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065417.D

Acq: 04 Mar 2020 18:14

Instrument :

MSVOA_D

ClientSampleId :

VD0304SBS01

Tot Ion: 43 Resp: 785621

Ion Ratio Lower Upper

43 100

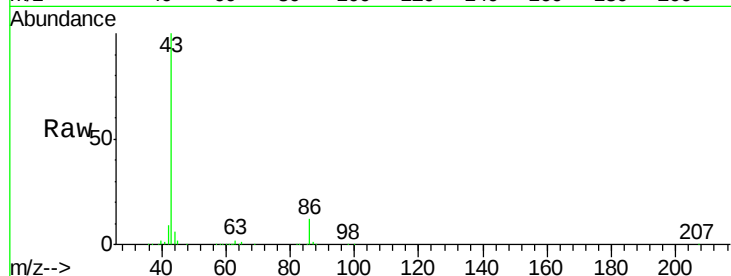
86 11.7 8.9 13.3

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

250000

200000

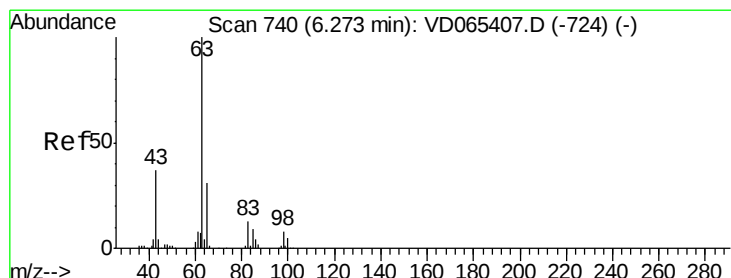
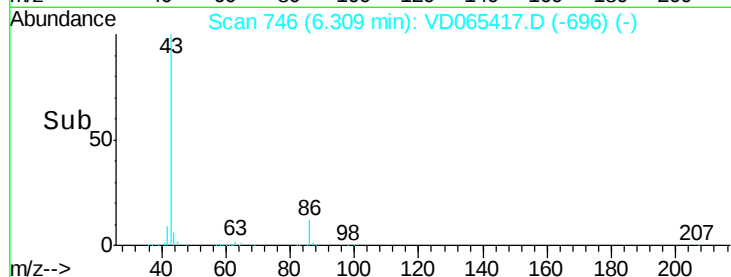
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.103 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD065417.D

Acq: 04 Mar 2020 18:14

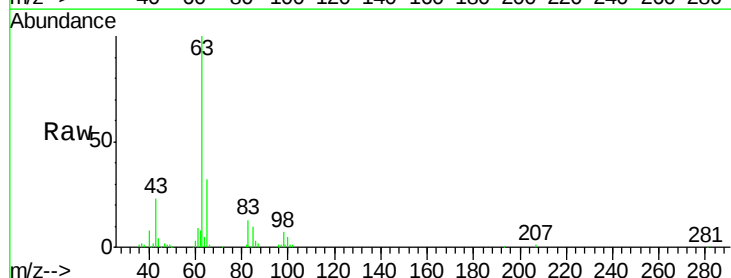
Tgt Ion: 63 Resp: 173135

Ion Ratio Lower Upper

63 100

98 7.1 4.2 12.6

100 5.5 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.27

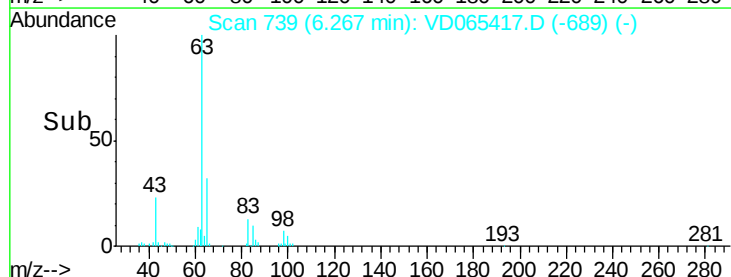
60000

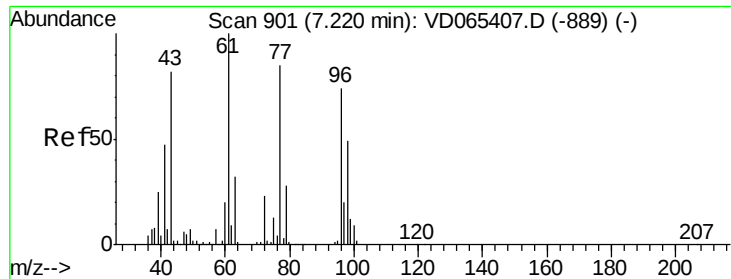
40000

20000

0

Time-->





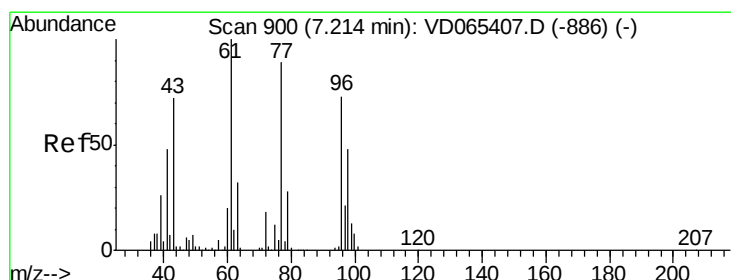
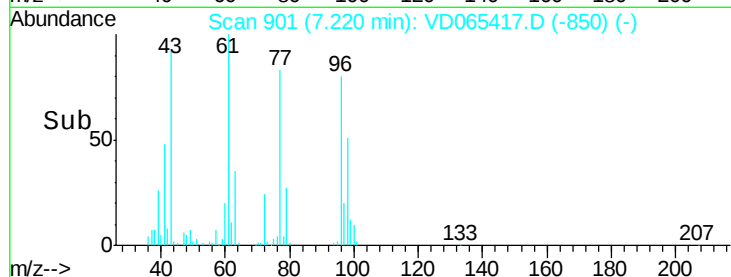
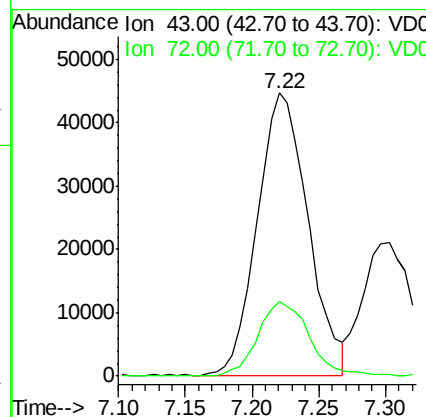
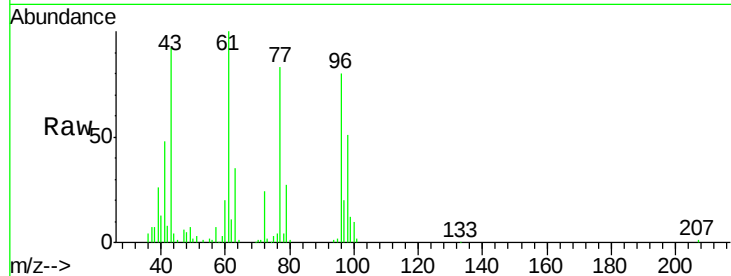
#25
2-Butanone
Concen: 103.673 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.00 min
Lab File: VD065417.D
Acq: 04 Mar 2020 18:14

Instrument :
MSVOA_D
ClientSampleId :
VD0304SBSD01

Tot Ion: 43 Resp: 118208
Ion Ratio Lower Upper
43 100
72 26.3 22.3 33.5

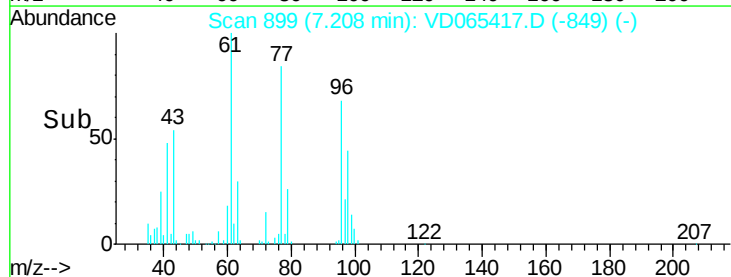
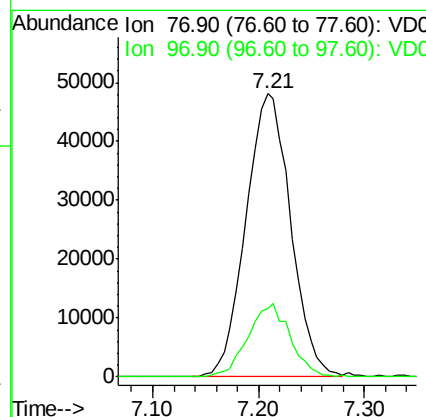
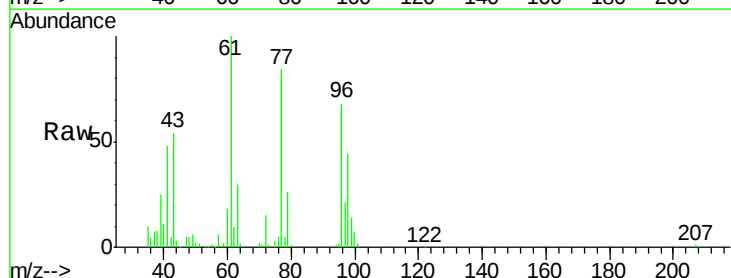
Manual Integrations
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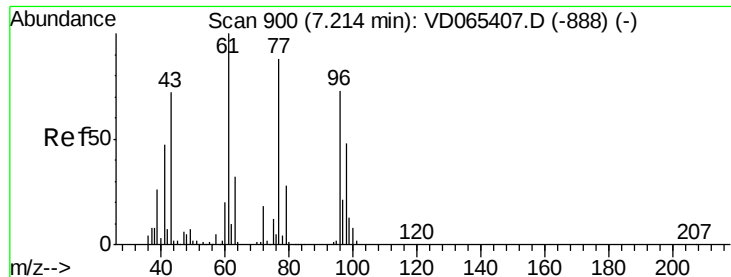
MMDadoda
3/5/2020 1:39:10 PM



#26
2,2-Dichloropropane
Concen: 19.754 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD065417.D
Acq: 04 Mar 2020 18:14

Tgt Ion: 77 Resp: 141626
Ion Ratio Lower Upper
77 100
97 24.3 11.8 35.4





#27

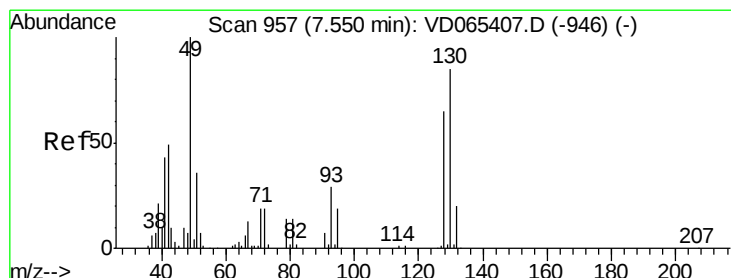
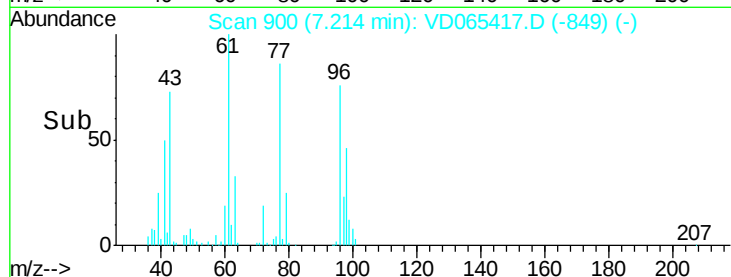
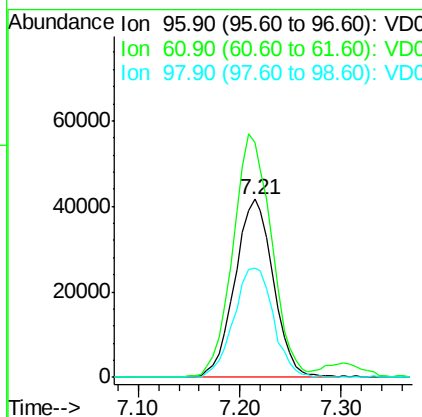
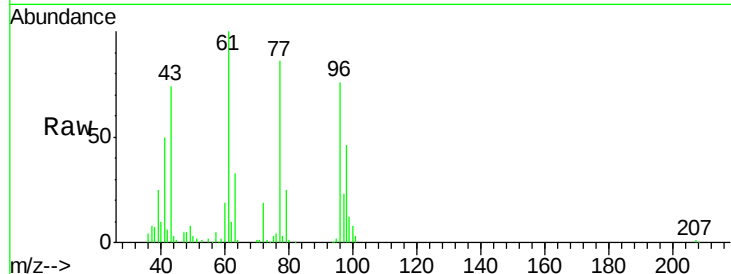
cis-1,2-Dichloroethene
Concen: 21.543 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD065417.D
Acq: 04 Mar 2020 18:14

Instrument :
MSVOA_D
ClientSampleId :
VD0304SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	137.2	0.0	280.4	
98	63.2	0.0	132.6	

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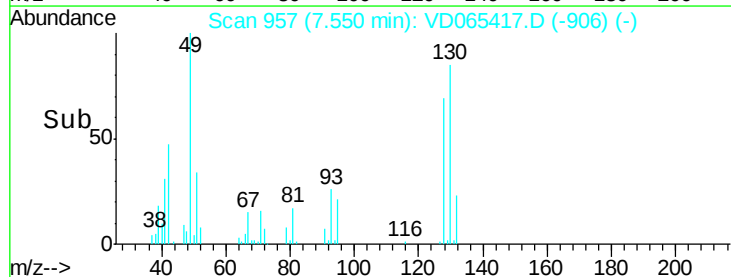
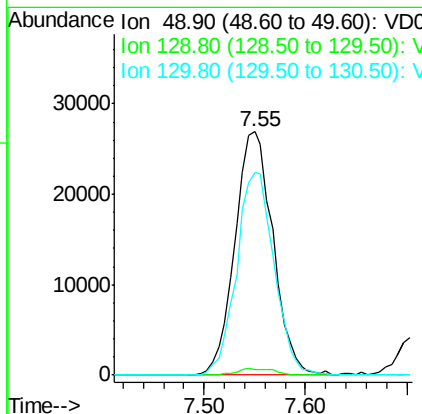
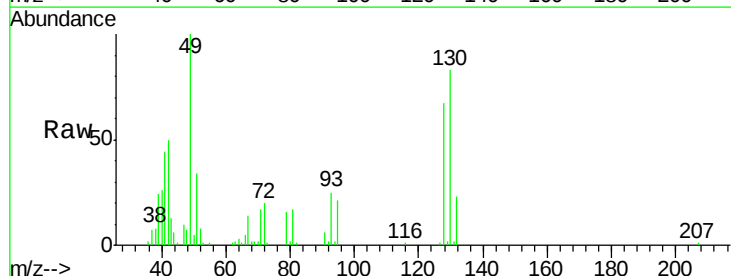
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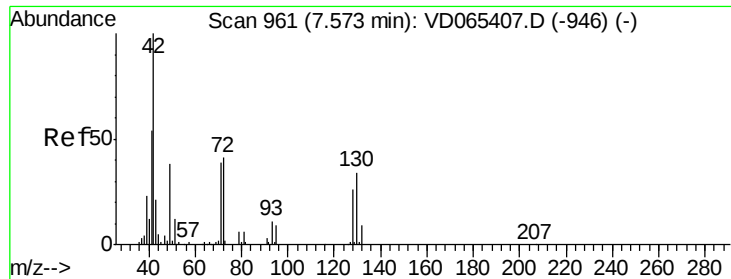


#28

Bromochloromethane
Concen: 21.366 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD065417.D
Acq: 04 Mar 2020 18:14

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.5	0.0	4.6	
130	82.2	66.6	100.0	





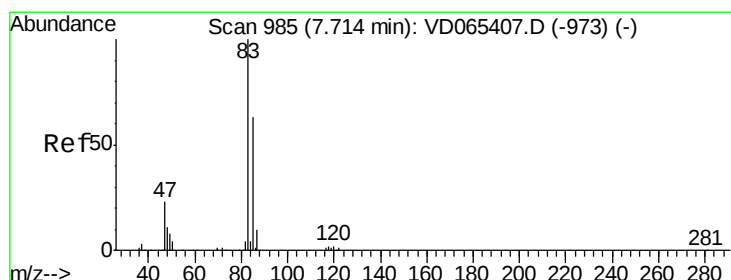
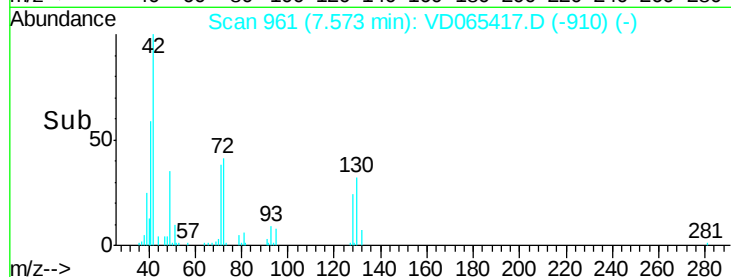
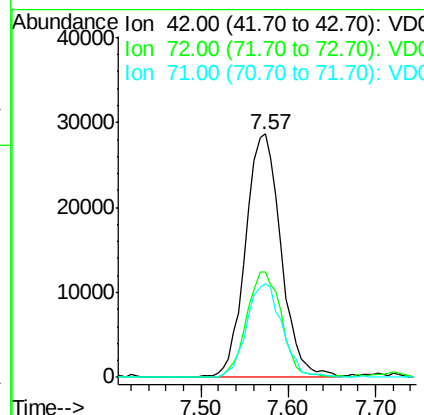
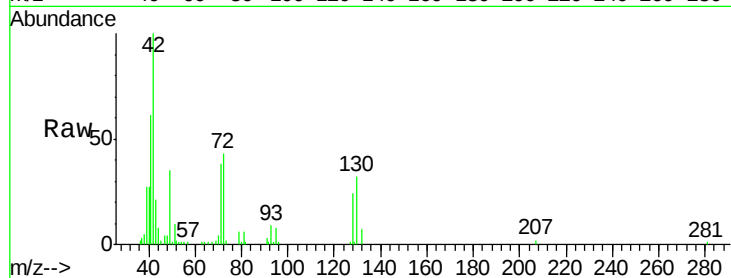
#29
Tetrahydrofuran
Concen: 108.487 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD065417.D
Acq: 04 Mar 2020 18:14

Instrument :
MSVOA_D
ClientSampleId :
VD0304SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.4	33.0	49.6
71	38.4	32.0	48.0

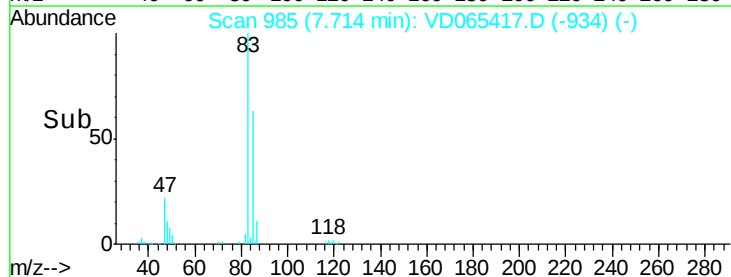
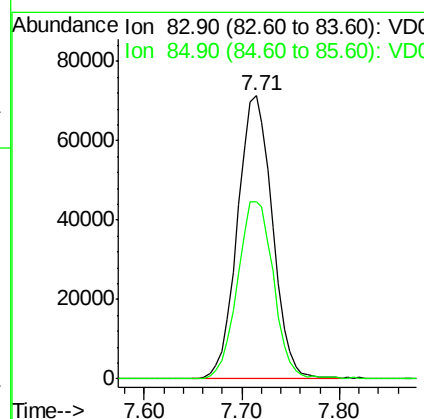
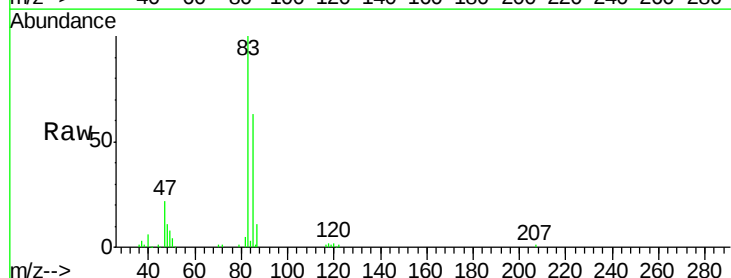
Manual Integrations
APPROVED

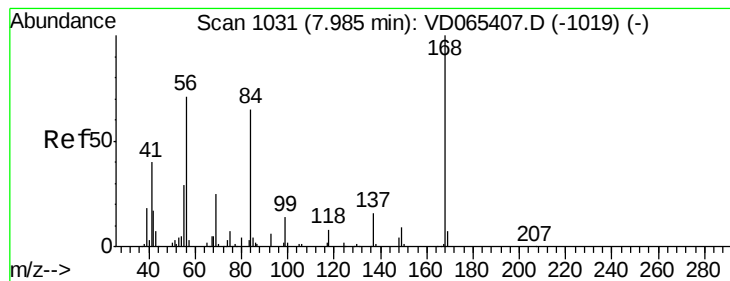
MMDadoda
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#30
Chloroform
Concen: 21.748 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065417.D
Acq: 04 Mar 2020 18:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.7	50.3	75.5





#31

Cyclohexane

Concen: 19.842 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065417.D

Acq: 04 Mar 2020 18:14

Instrument :

MSVOA_D

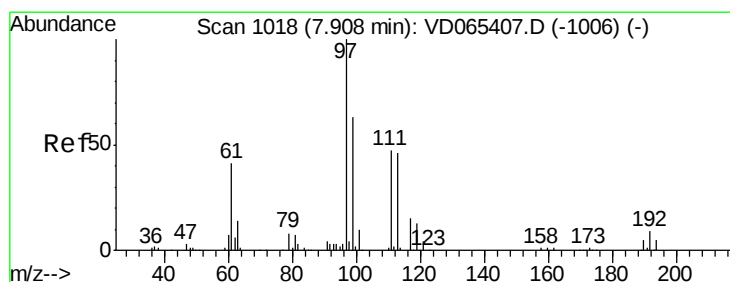
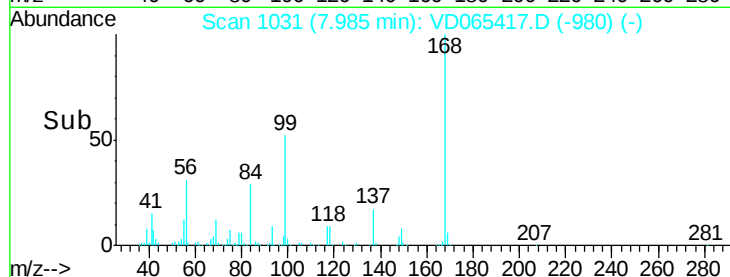
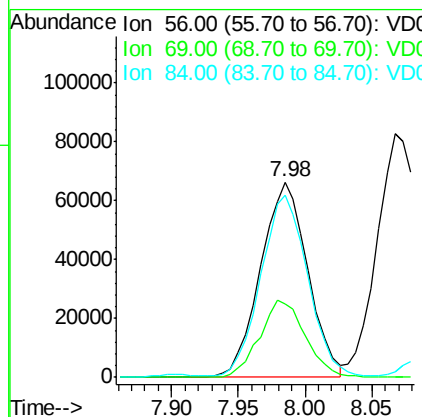
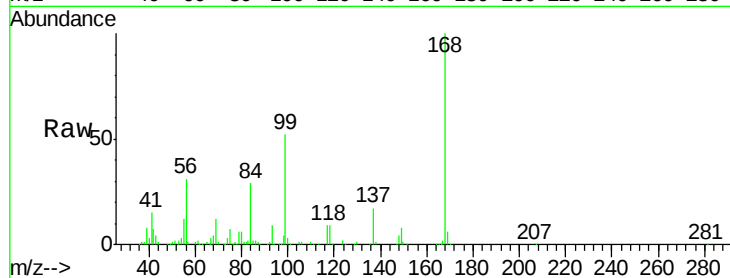
ClientSampleId :

VD0304SBS01

Tot Ion:	56	Resp:	162777
Ion	Ratio	Lower	Upper
56	100		
69	37.3	28.3	42.5
84	92.3	73.1	109.7

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#32

1,1,1-Trichloroethane

Concen: 20.508 ug/l

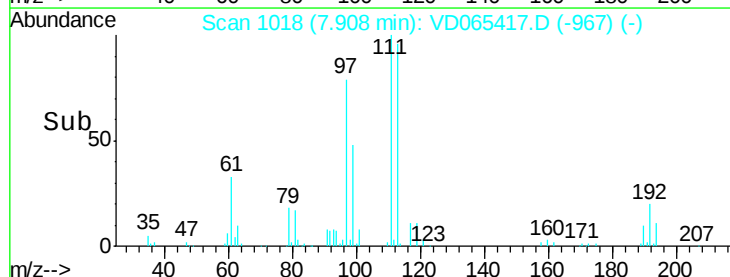
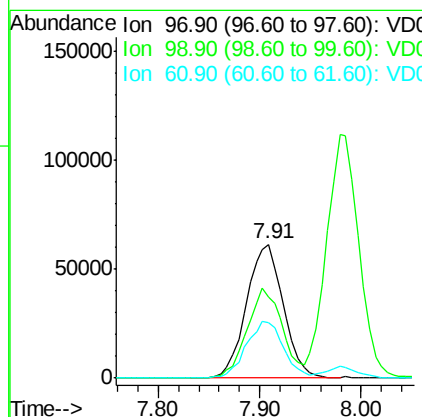
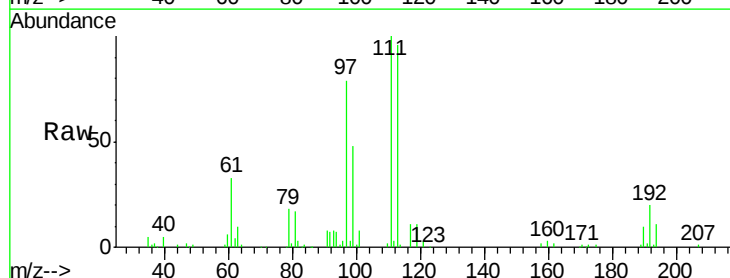
RT: 7.91 min Scan# 1018

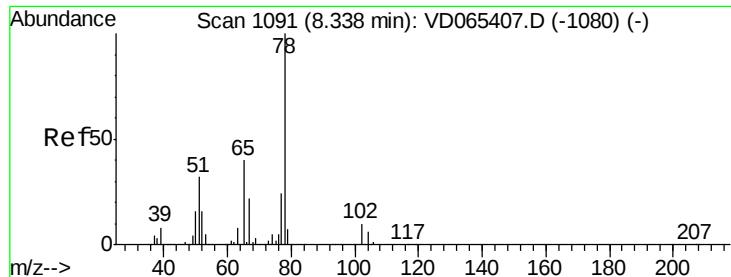
Delta R.T. 0.00 min

Lab File: VD065417.D

Acq: 04 Mar 2020 18:14

Tgt Ion:	97	Resp:	155408
Ion	Ratio	Lower	Upper
97	100		
99	65.1	50.9	76.3
61	42.7	33.2	49.8





#33

1,2-Dichloroethane-d4

Concen: 51.830 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065417.D

Acq: 04 Mar 2020 18:14

Instrument :

MSVOA_D

ClientSampleId :

VD0304SBS01

Tot Ion: 65 Resp: 214127

Ion Ratio Lower Upper

65 100

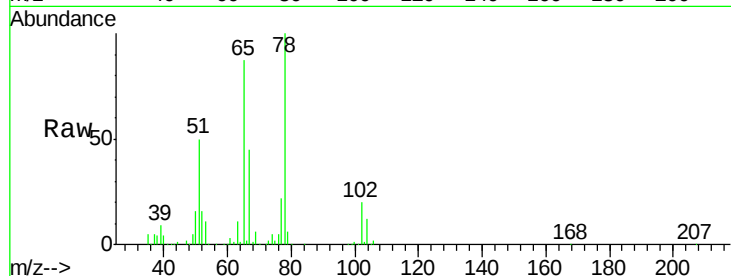
67 53.5 0.0 108.0

Manual Integrations

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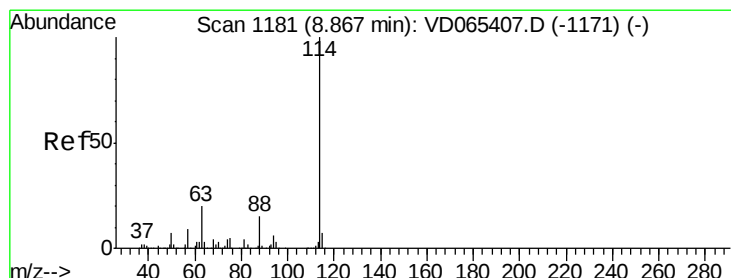
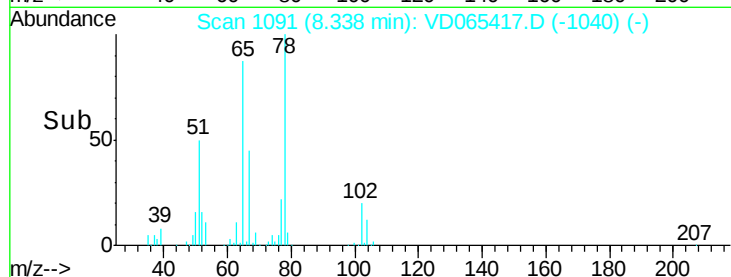
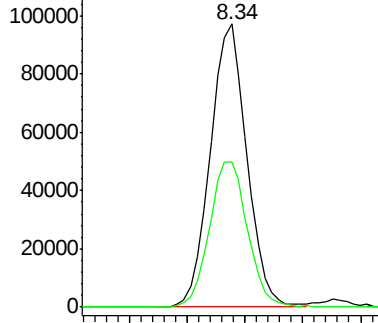
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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065417.D

Acq: 04 Mar 2020 18:14

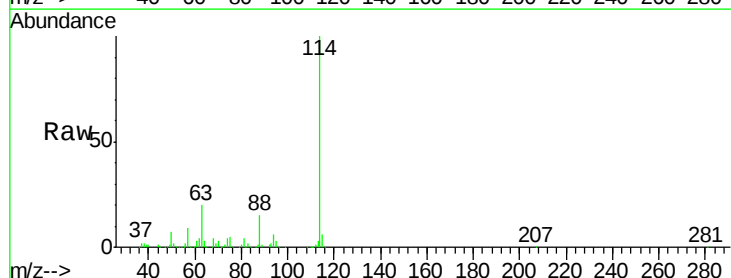
Tgt Ion: 114 Resp: 717155

Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.6

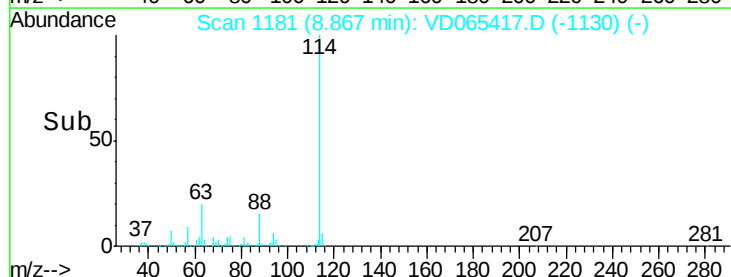
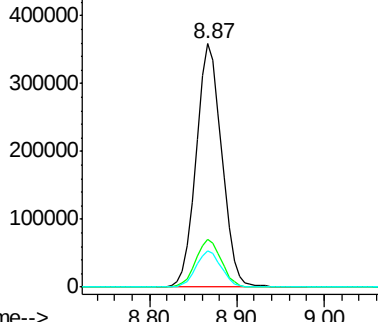
88 14.7 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





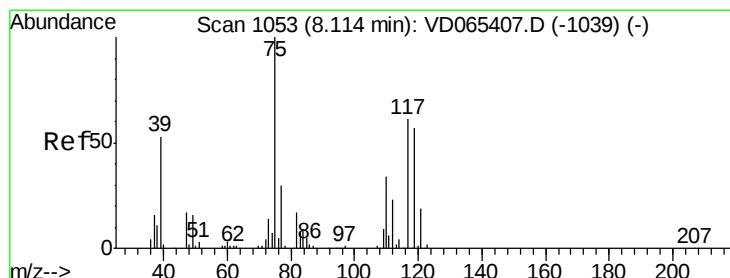
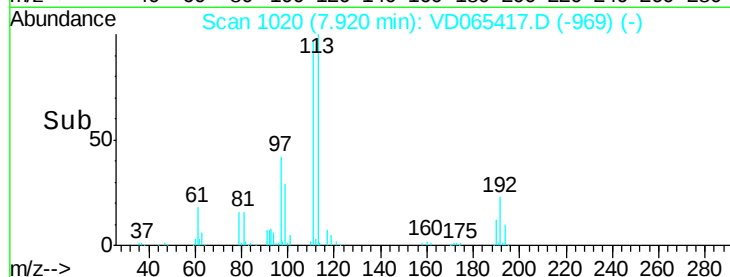
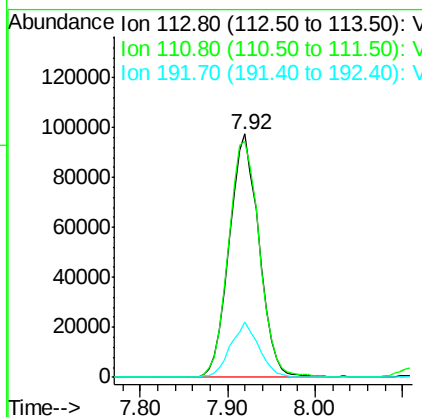
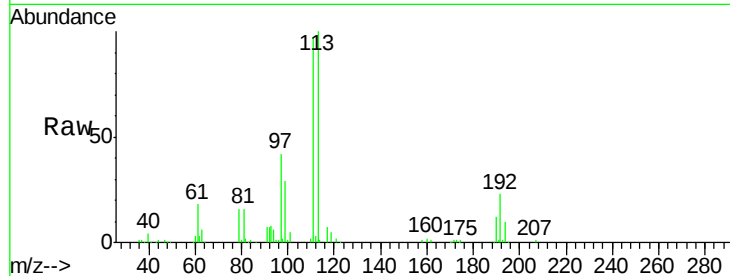
#35
 Dibromofluoromethane
 Concen: 50.713 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065417.D
 Acq: 04 Mar 2020 18:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0304SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.6	82.1	123.1
192	21.8	17.2	25.8

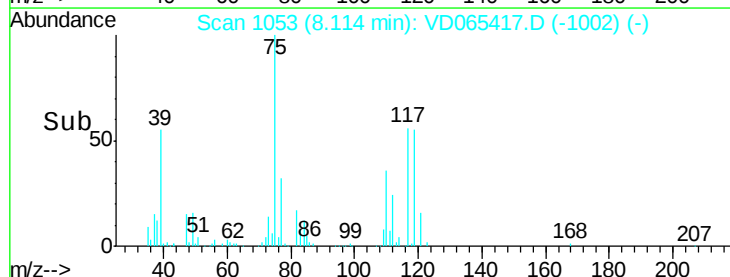
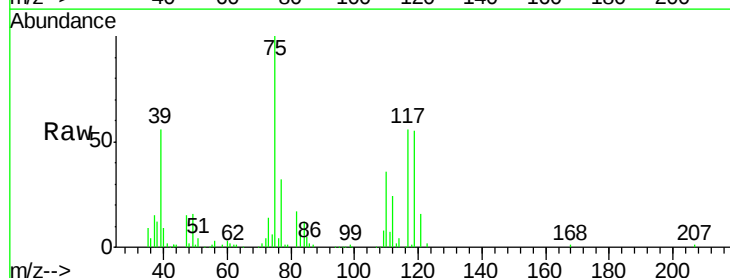
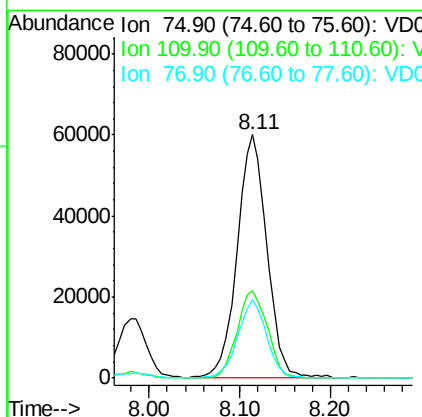
Manual Integrations
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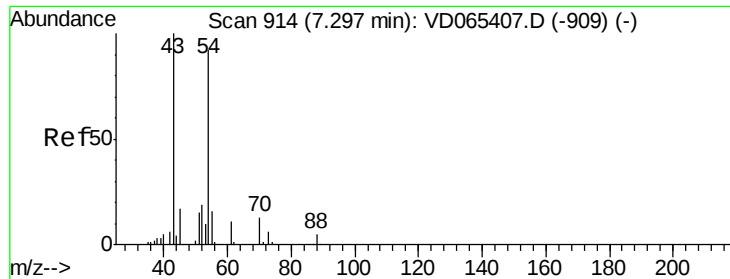
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#36
 1,1-Dichloropropene
 Concen: 19.805 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065417.D
 Acq: 04 Mar 2020 18:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.8	18.1	54.1
77	31.4	25.2	37.8





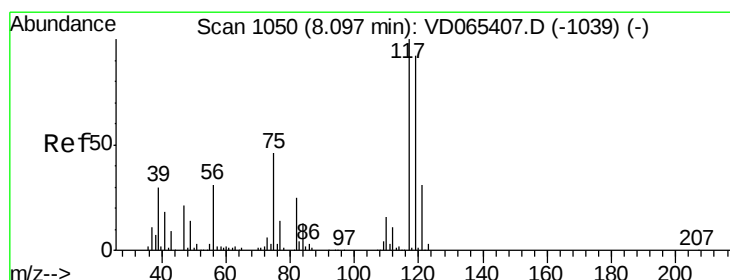
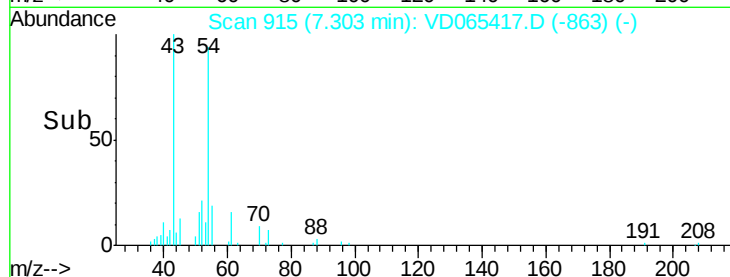
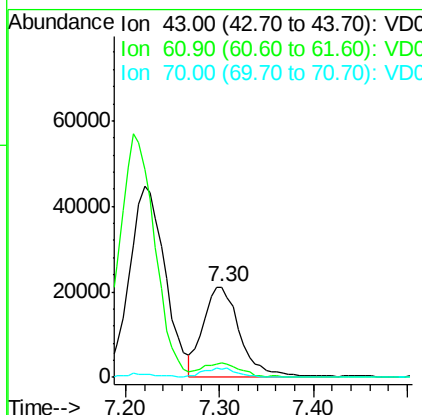
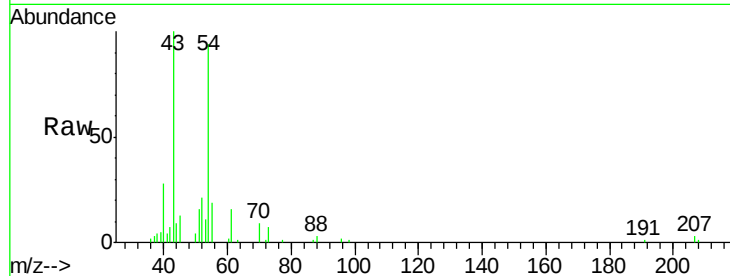
#37
Ethyl Acetate
Concen: 21.245 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD065417.D
Acq: 04 Mar 2020 18:14

Instrument :
MSVOA_D
ClientSampleId :
VD0304SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.7	11.4	17.0
70	9.8	9.0	13.4

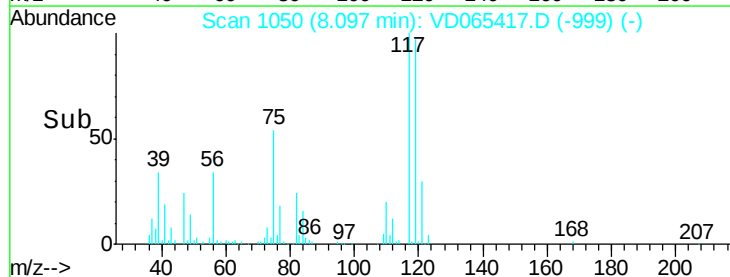
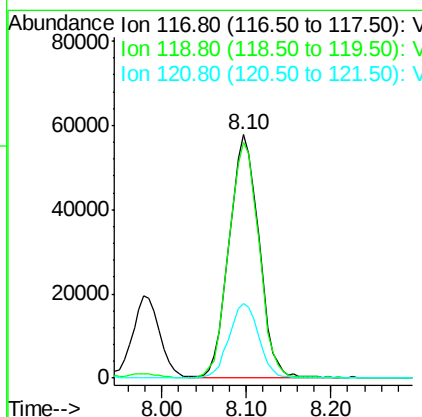
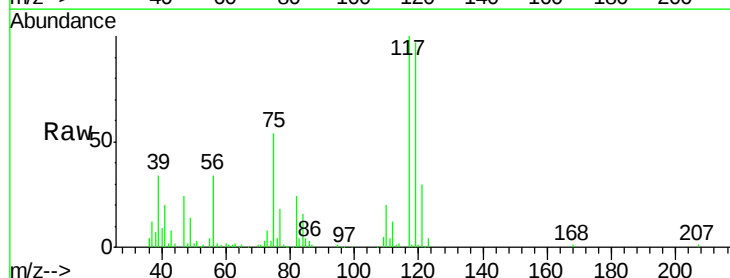
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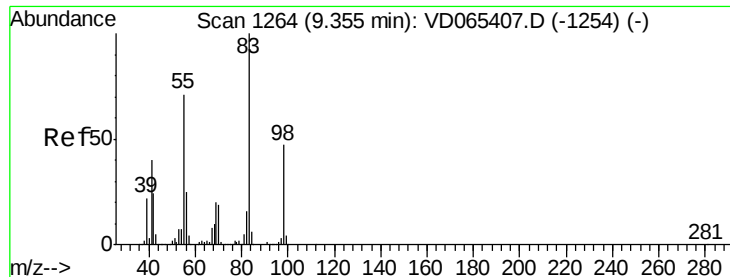
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#38
Carbon Tetrachloride
Concen: 19.821 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065417.D
Acq: 04 Mar 2020 18:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.8	73.3	109.9
121	30.4	25.0	37.4





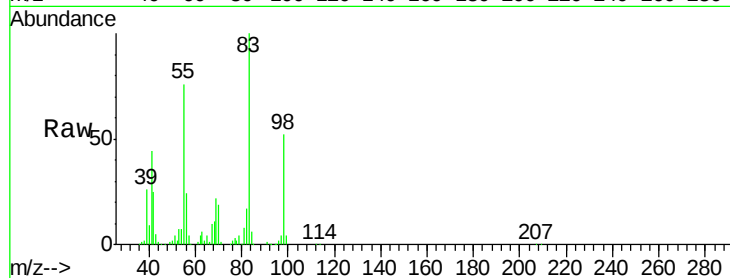
#39
Methvlcvclohexane
Concen: 19.247 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD065417.D
Acq: 04 Mar 2020 18:14

Instrument :
MSVOA_D
ClientSampleId :
VD0304SBSD01

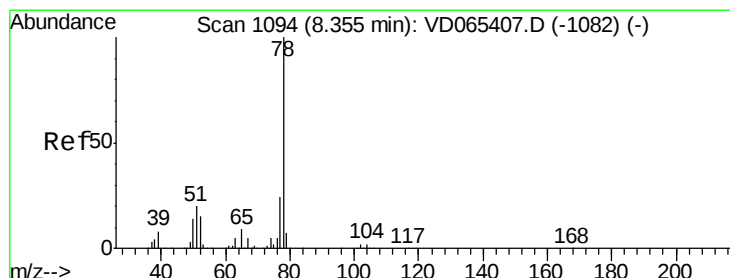
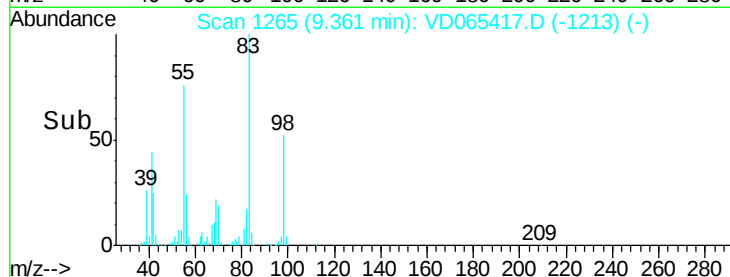
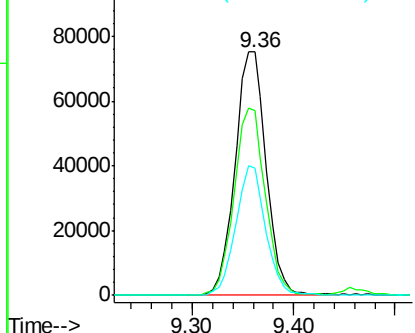
Tot Ion	Ratio	Lower	Upper
83	100		
55	75.8	57.1	85.7
98	52.4	37.8	56.8

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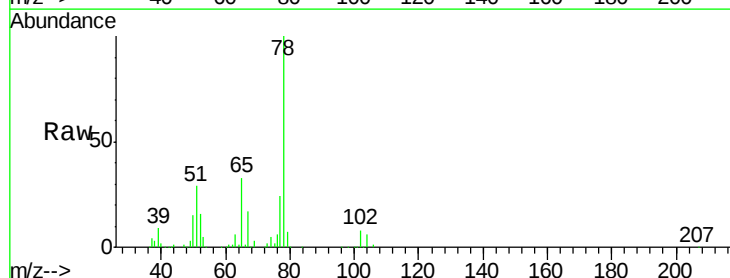


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

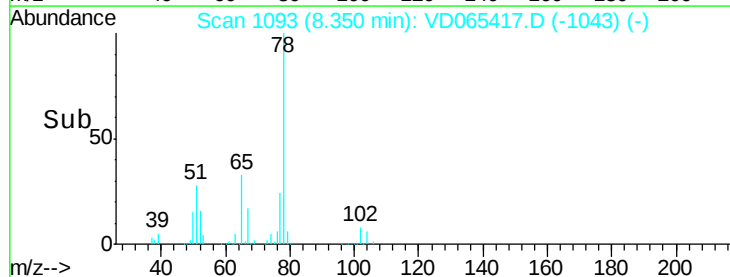
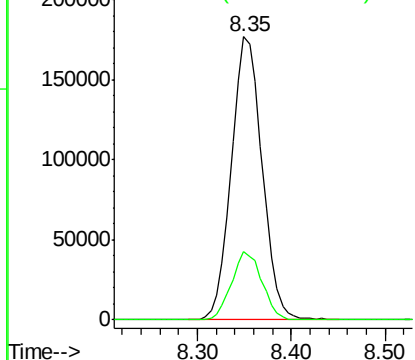


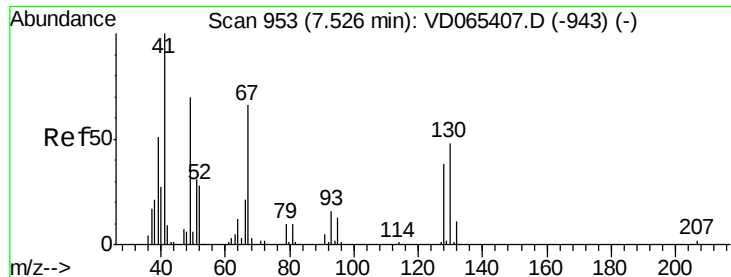
#40
Benzene
Concen: 20.933 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065417.D
Acq: 04 Mar 2020 18:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.4	29.0



Abundance Ion 78.00 (77.70 to 78.70): VDC
Ion 77.00 (76.70 to 77.70): VDC





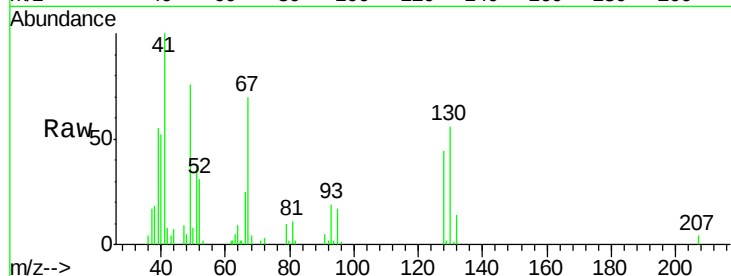
#41
Methacrylonitrile
Concen: 22.595 ug/l
RT: 7.53 min Scan# 953
Delta R.T. 0.00 min
Lab File: VD065417.D
Acq: 04 Mar 2020 18:14

Instrument :
MSVOA_D
ClientSampleId :
VD0304SBSD01

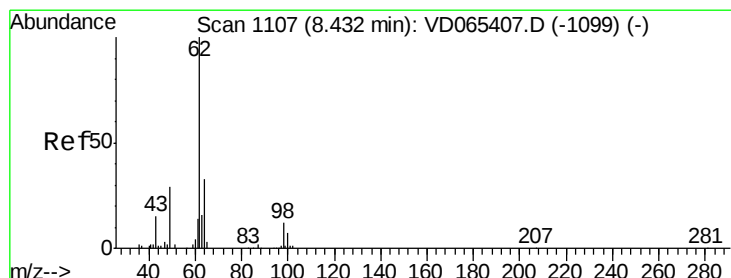
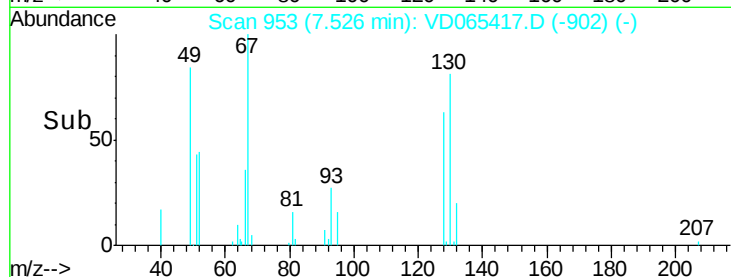
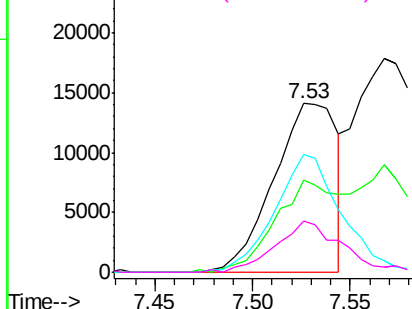
Tot Ion	Ratio	Lower	Upper
41	100		
39	52.3	55.0	82.6#
67	73.2	70.3	105.5
52	31.7	30.7	46.1

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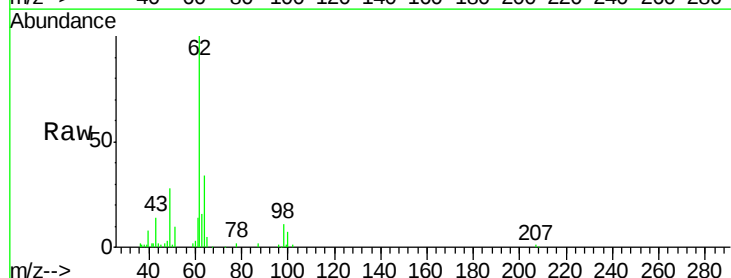


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

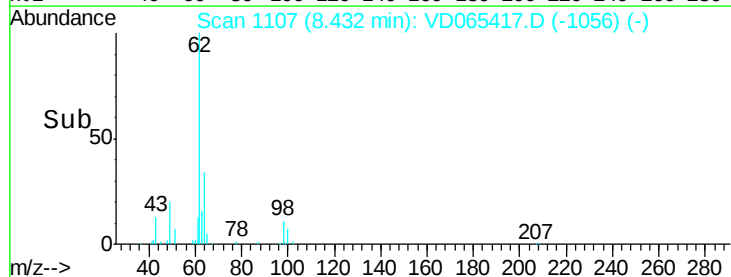
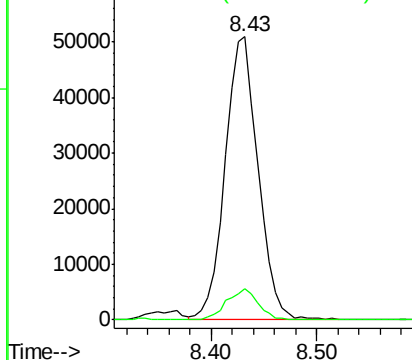


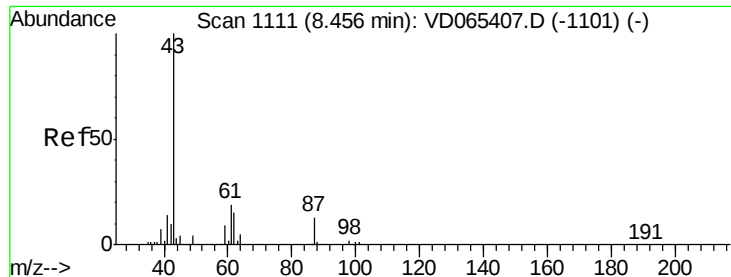
#42
1,2-Dichloroethane
Concen: 21.880 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD065417.D
Acq: 04 Mar 2020 18:14

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	21.4



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 21.035 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD065417.D

Acq: 04 Mar 2020 18:14

Instrument :

MSVOA_D

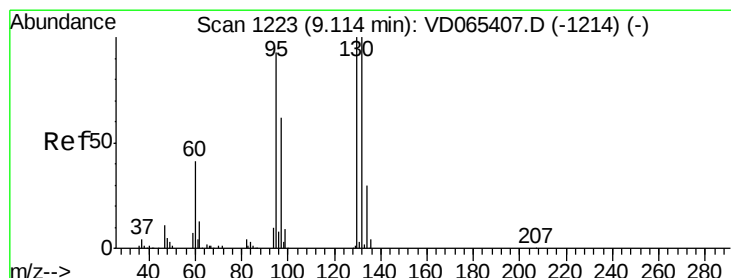
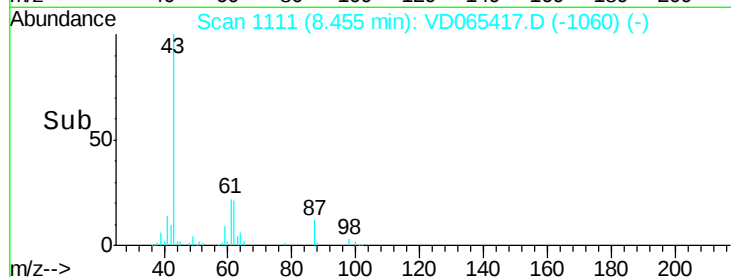
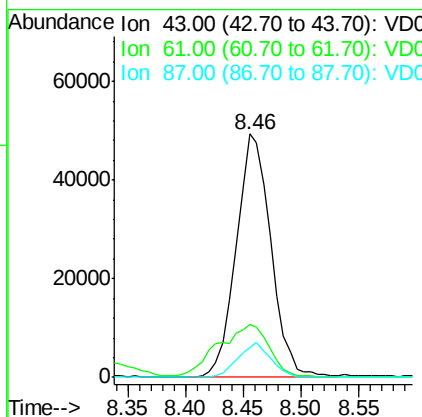
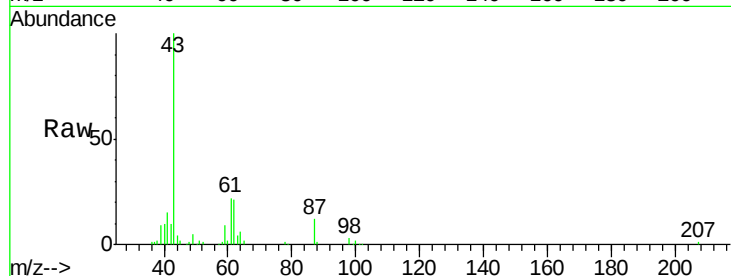
ClientSampleId :

VD0304SBS01

Tot Ion:	43	Resp:	103199
Ion	Ratio	Lower	Upper
43	100		
61	32.2	25.0	37.6
87	13.4	11.0	16.4

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#44

Trichloroethene

Concen: 20.361 ug/l

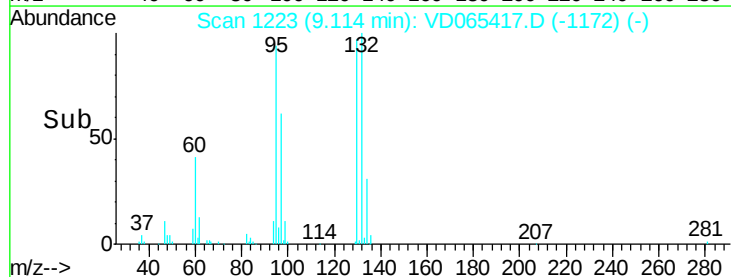
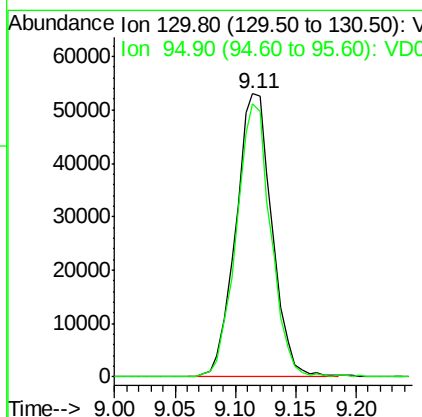
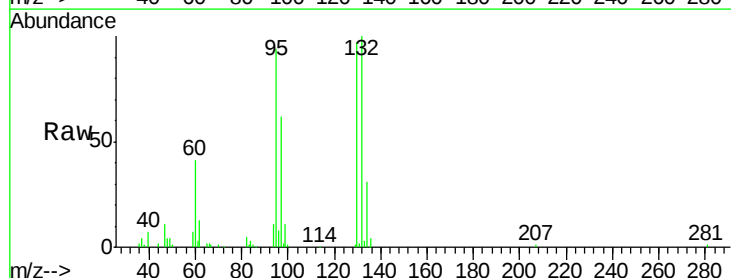
RT: 9.11 min Scan# 1223

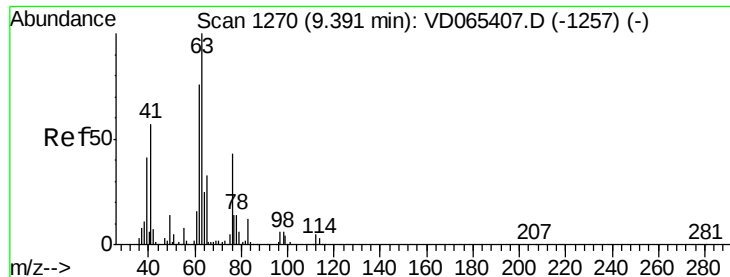
Delta R.T. 0.00 min

Lab File: VD065417.D

Acq: 04 Mar 2020 18:14

Tgt Ion:	130	Resp:	110518
Ion	Ratio	Lower	Upper
130	100		
95	96.4	0.0	186.0





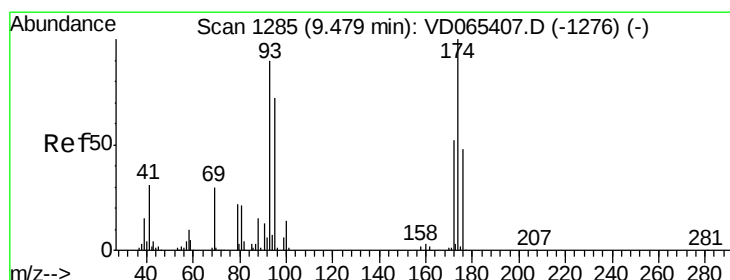
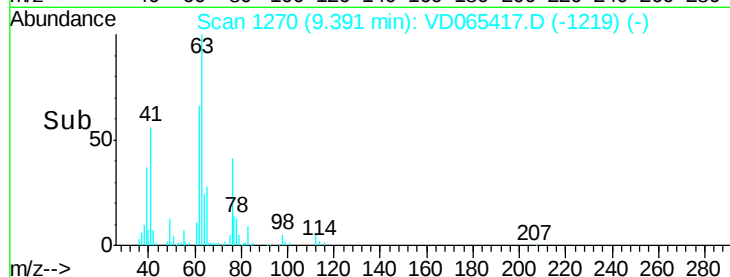
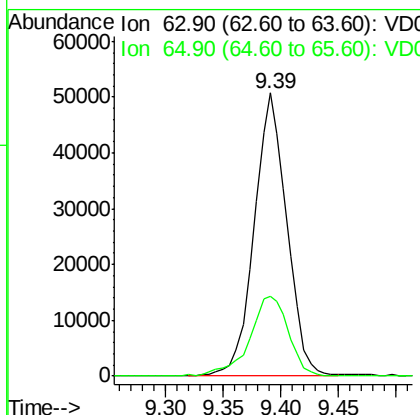
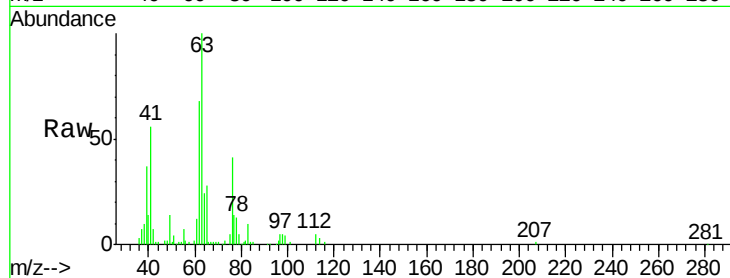
#45
 1,2-Dichloropropane
 Concen: 21.458 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065417.D
 Acq: 04 Mar 2020 18:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0304SBSD01

Tot Ion	63	Resp	99903
Ion Ratio	Lower	Upper	
63	100		
65	28.0	26.4	39.6

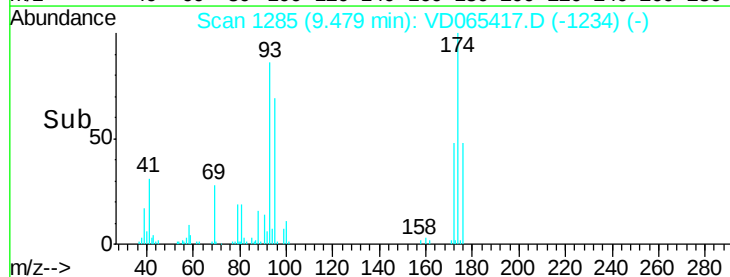
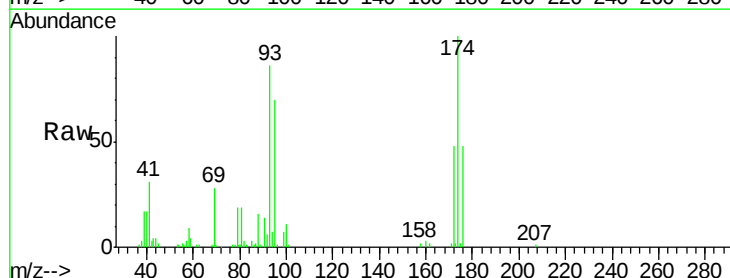
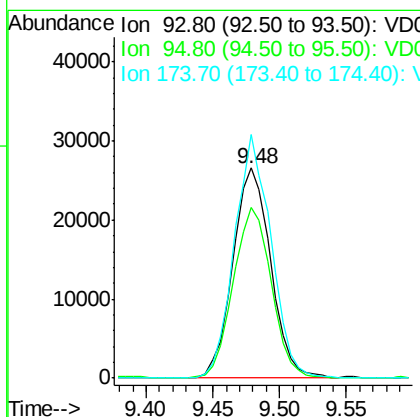
Manual Integrations
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MMDadoda
 3/5/2020 1:39:10 PM



#46
 Dibromomethane
 Concen: 21.638 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065417.D
 Acq: 04 Mar 2020 18:14

Tgt Ion	93	Resp	52257
Ion Ratio	Lower	Upper	
93	100		
95	81.7	65.0	97.6
174	111.9	88.3	132.5





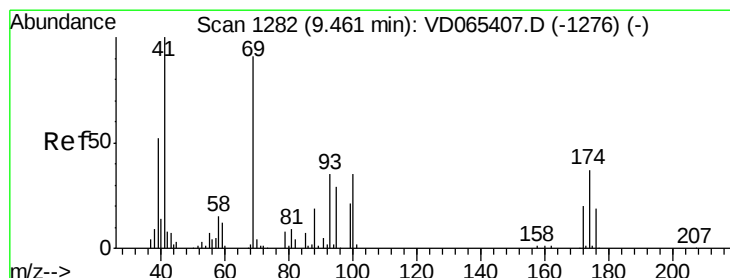
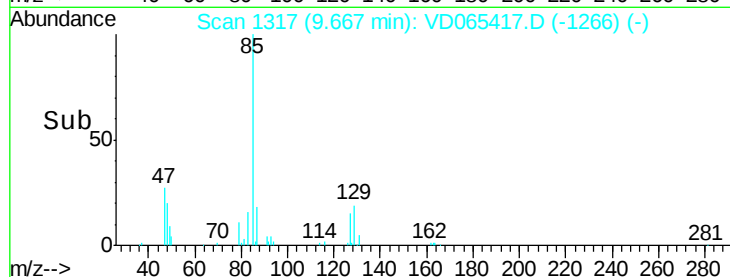
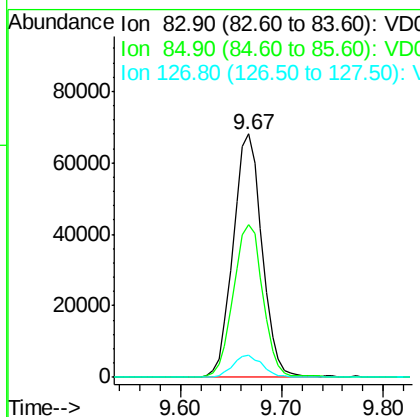
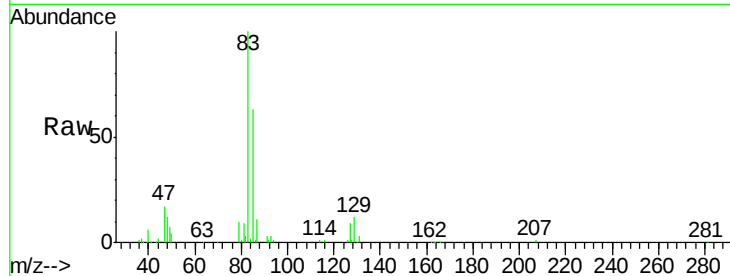
#47
Bromodichloromethane
Concen: 21.535 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD065417.D
Acq: 04 Mar 2020 18:14

Instrument :
MSVOA_D
ClientSampleId :
VD0304SBSD01

Tot Ion	83	Resp	135300
Ion Ratio	100	Lower	Upper
83	100		
85	62.5	52.8	79.2
127	9.1	8.0	12.0

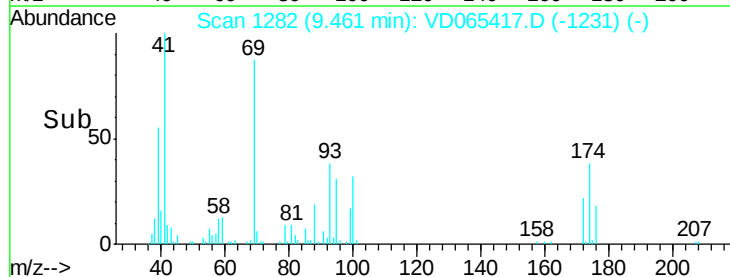
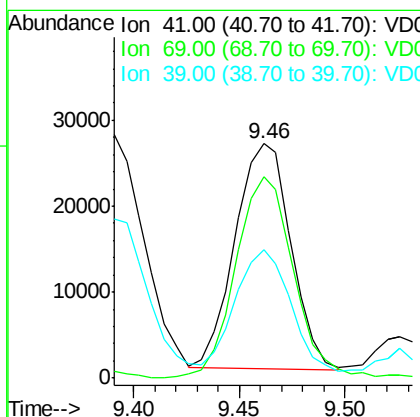
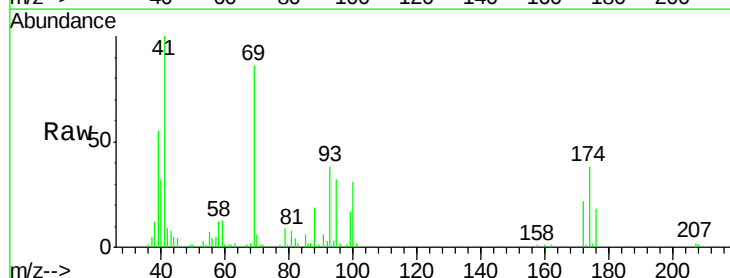
Manual Integrations
APPROVED

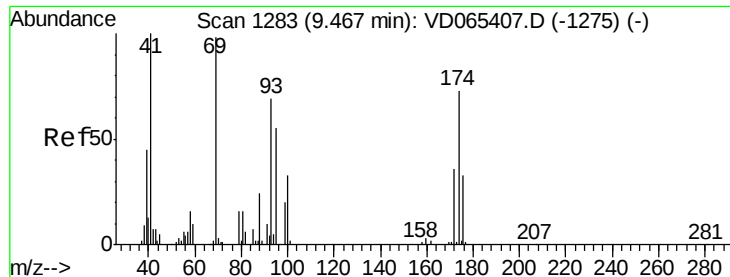
MMDadoda
3/5/2020 1:39:10 PM



#48
Methyl methacrylate
Concen: 20.869 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD065417.D
Acq: 04 Mar 2020 18:14

Tgt Ion	41	Resp	48161
Ion Ratio	100	Lower	Upper
41	100		
69	93.2	72.5	108.7
39	52.0	41.6	62.4





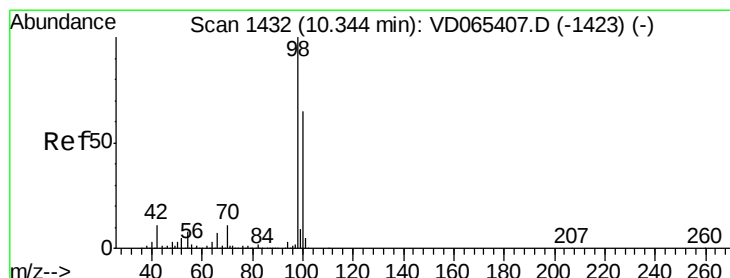
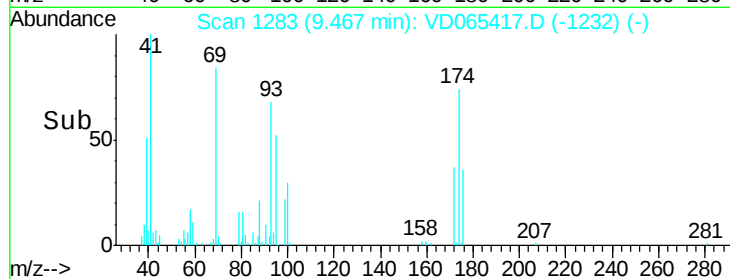
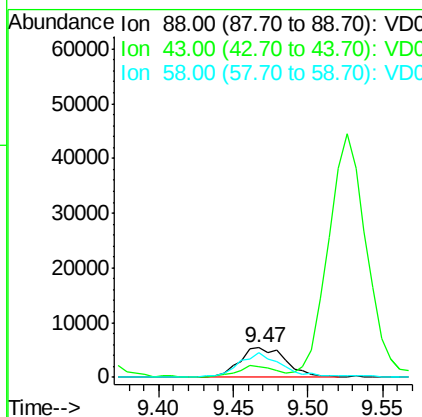
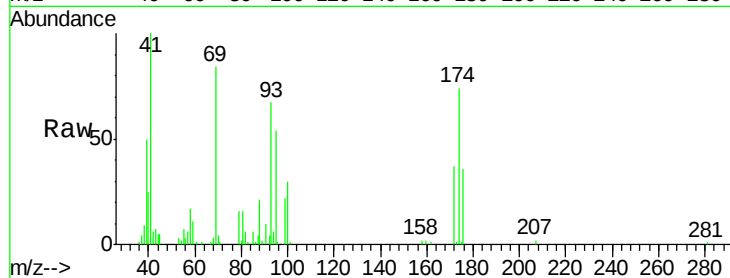
#49
1,4-Dioxane
Concen: 424.918 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065417.D
Acq: 04 Mar 2020 18:14

Instrument :
MSVOA_D
ClientSampleId :
VD0304SBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.3	24.5	36.7
58	75.8	54.5	81.7

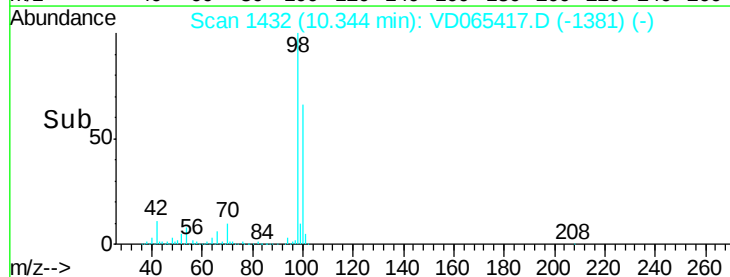
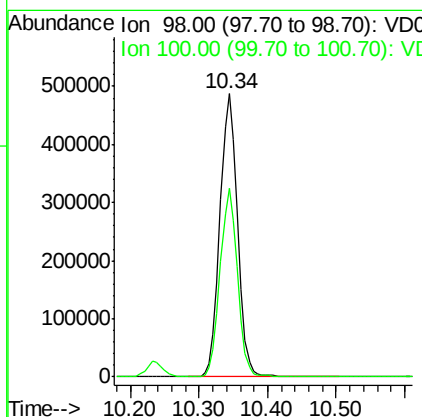
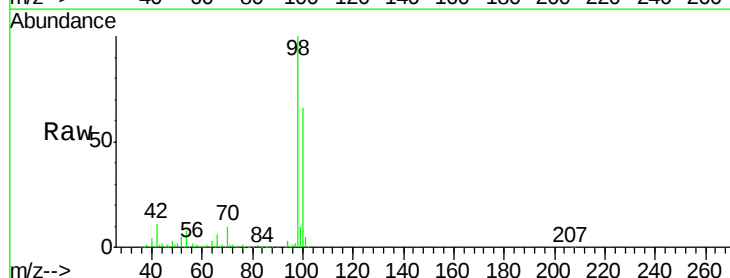
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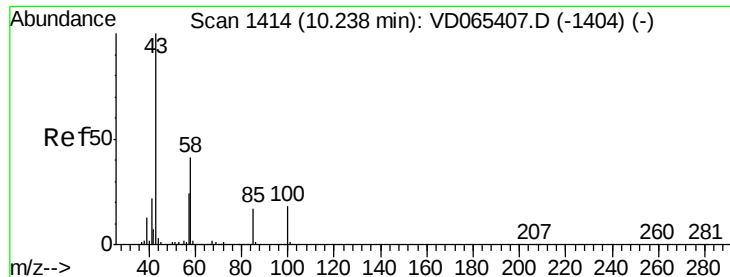
MMDadoda
3/5/2020 1:39:10 PM



#50
Toluene-d8
Concen: 51.080 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065417.D
Acq: 04 Mar 2020 18:14

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.8	79.2





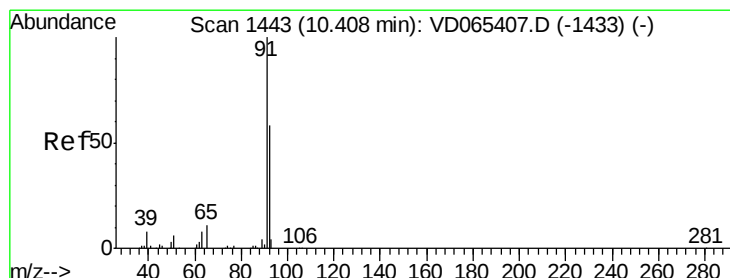
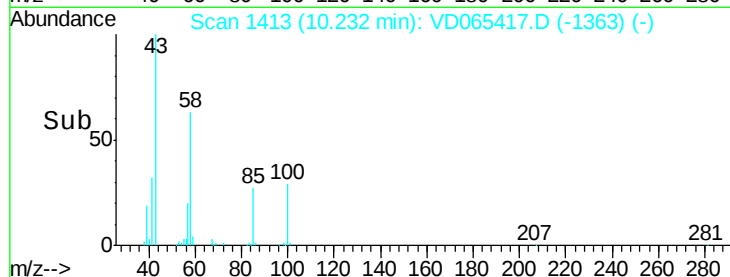
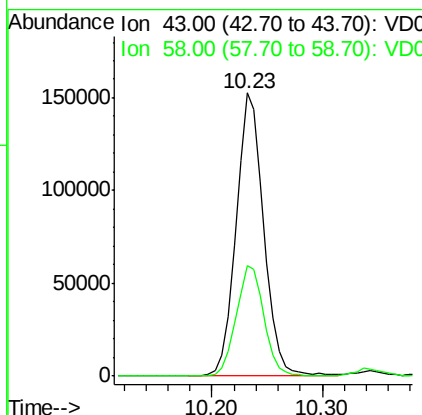
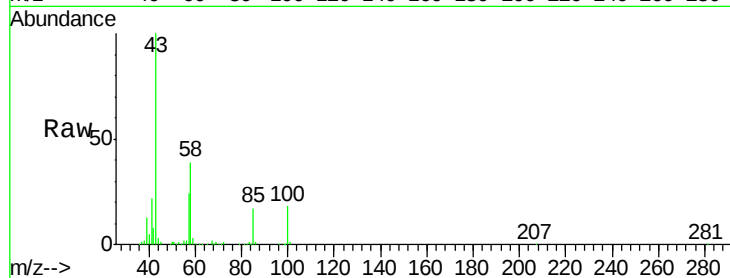
#51
4-Methyl-2-Pentanone
Concen: 108.608 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD065417.D
Acq: 04 Mar 2020 18:14

Instrument :
MSVOA_D
ClientSampleId :
VD0304SBS001

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.2	31.8	47.6

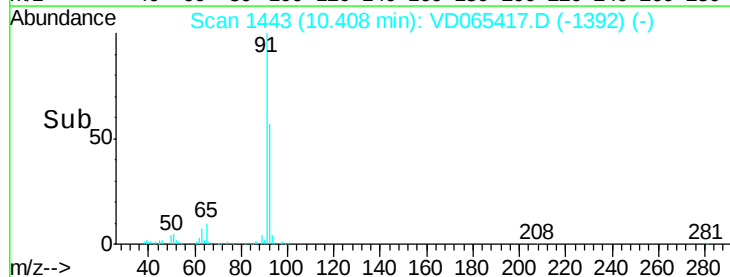
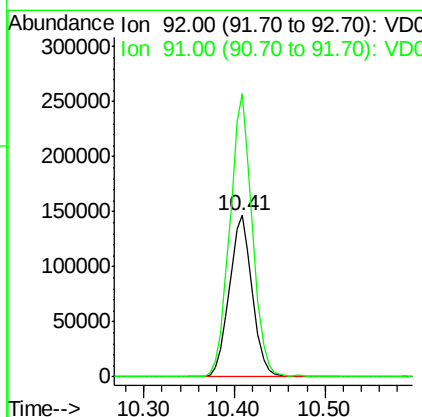
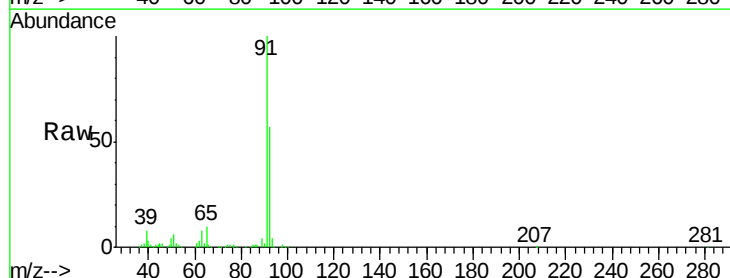
Manual Integrations
APPROVED

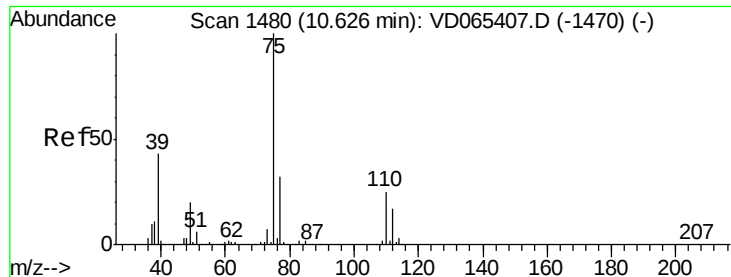
MMDadoda
3/5/2020 1:39:10 PM



#52
Toluene
Concen: 21.302 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD065417.D
Acq: 04 Mar 2020 18:14

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.5	137.8	206.8





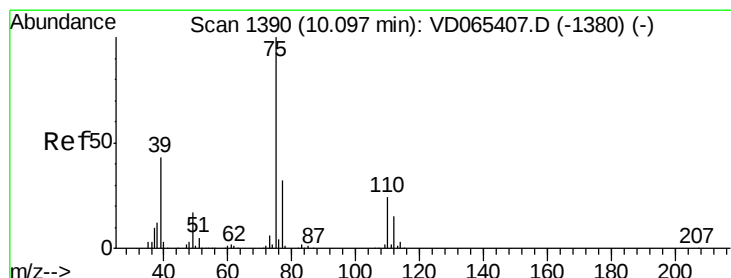
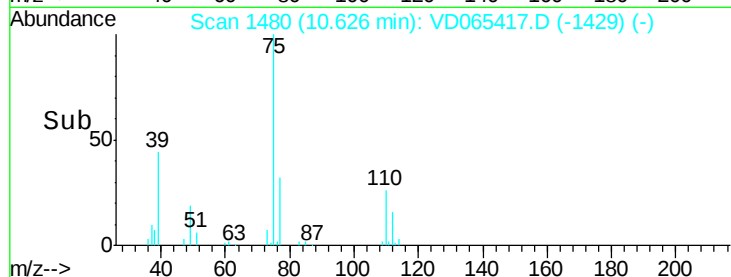
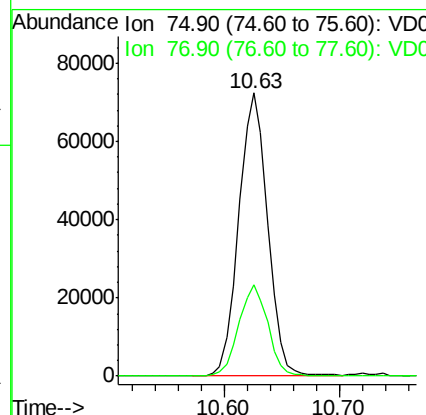
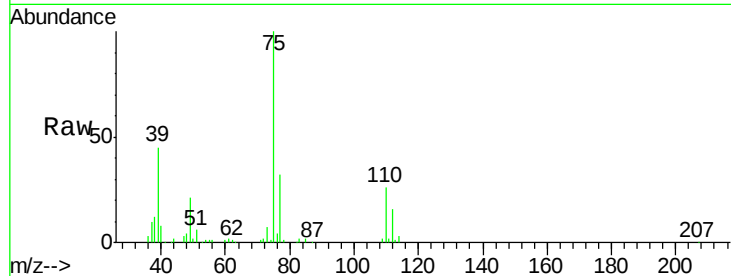
#53
t-1,3-Dichloropropene
Concen: 21.423 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD065417.D
Acq: 04 Mar 2020 18:14

Instrument :
MSVOA_D
ClientSampleId :
VD0304SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.4	38.2

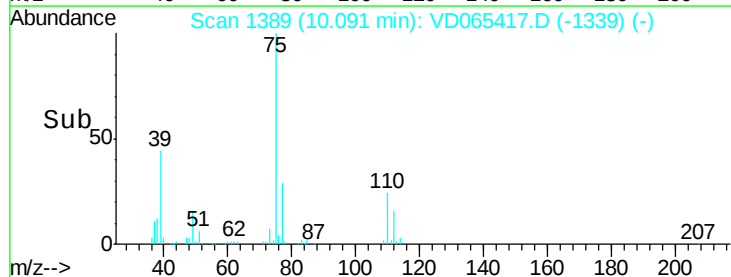
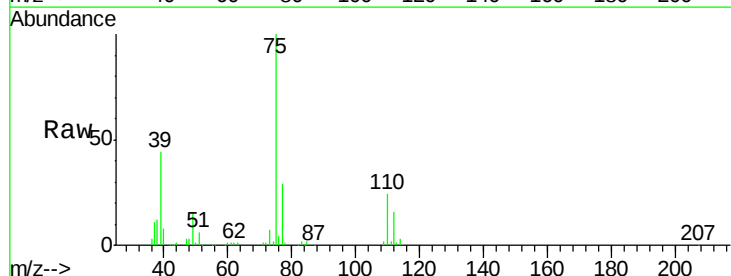
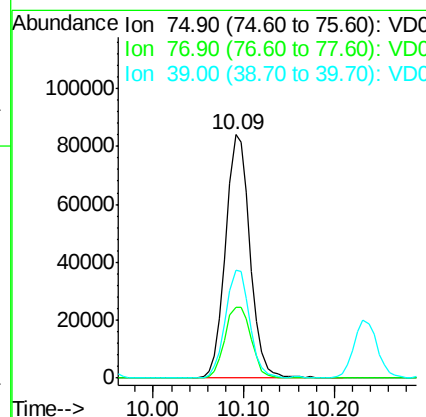
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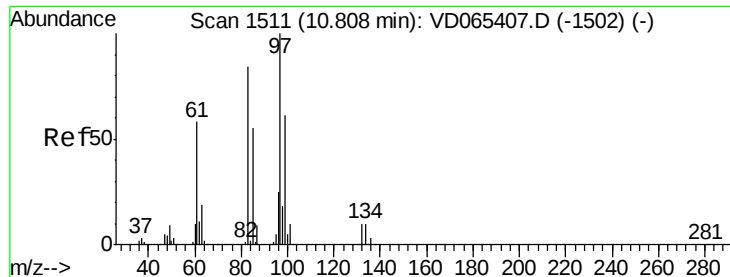
MMDadoda
3/5/2020 1:39:10 PM



#54
cis-1,3-Dichloropropene
Concen: 22.056 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VD065417.D
Acq: 04 Mar 2020 18:14

Tgt Ion	Ratio	Lower	Upper
75	100		
77	29.3	25.3	37.9
39	43.9	34.6	52.0





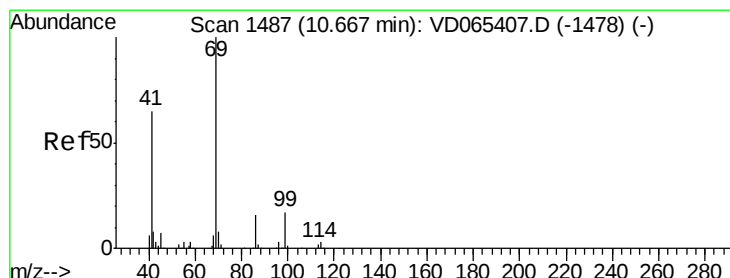
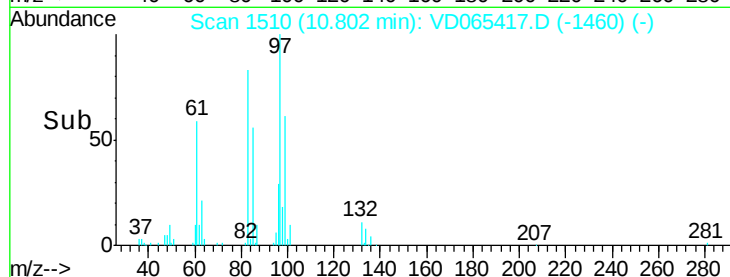
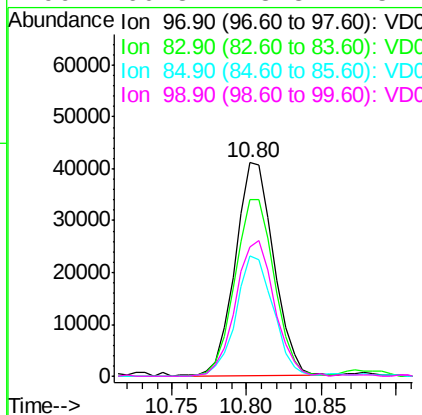
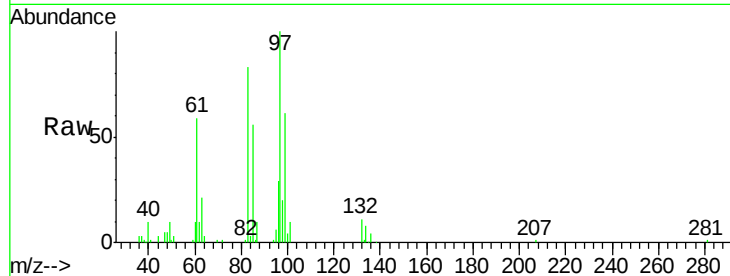
#55
 1,1,2-Trichloroethane
 Concen: 21.543 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065417.D
 Acq: 04 Mar 2020 18:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0304SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		73687		
83	83.3	67.4	101.0		
85	56.4	43.8	65.8		
99	60.8	48.8	73.2		

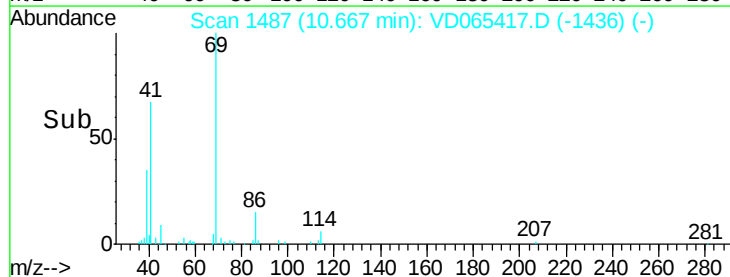
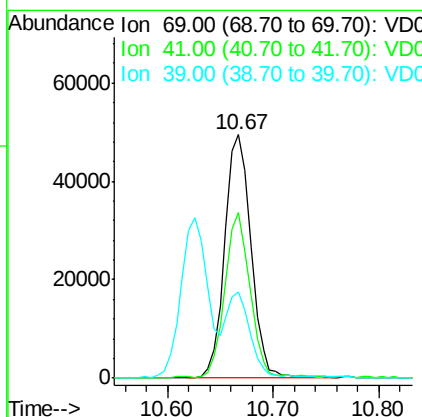
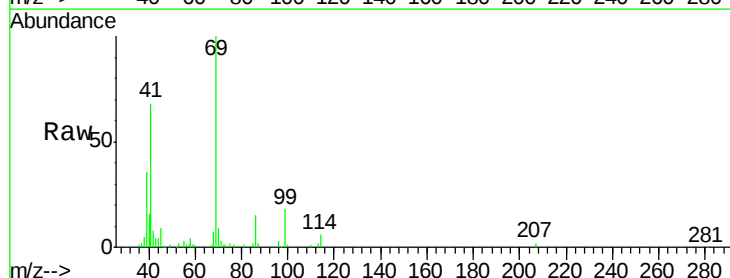
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 3/5/2020 1:39:10 PM



#56
 Ethyl methacrylate
 Concen: 22.151 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065417.D
 Acq: 04 Mar 2020 18:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		85414		
41	66.4	53.0	79.6		
39	30.2	26.0	39.0		





#57

1,3-Dichloropropane

Concen: 21.447 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065417.D

Acq: 04 Mar 2020 18:14

Instrument :

MSVOA_D

ClientSampleId :

VD0304SBS01

Tot Ion: 76 Resp: 124122

Ion Ratio Lower Upper

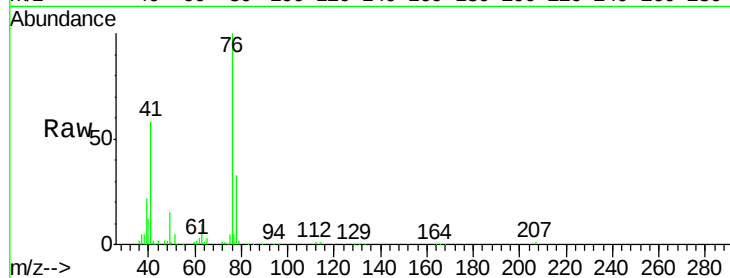
76 100

78 33.3 26.0 39.0

Manual Integrations
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3/5/2020 1:39:10 PM



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.95

80000

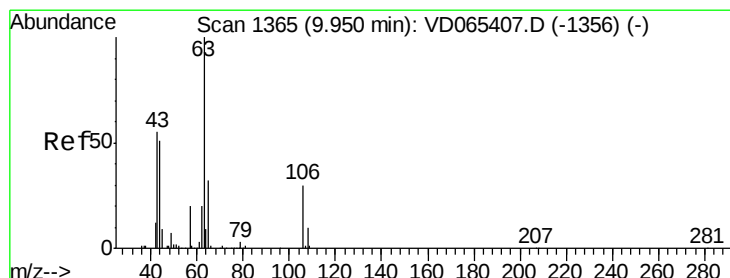
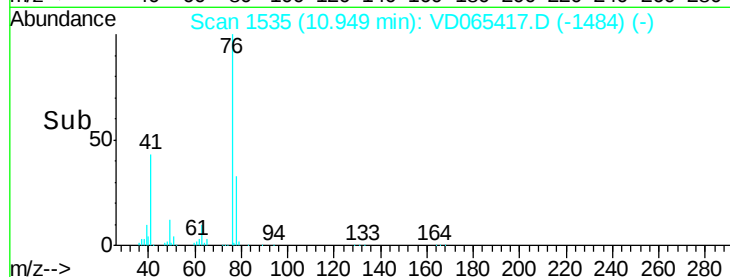
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 176.529 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD065417.D

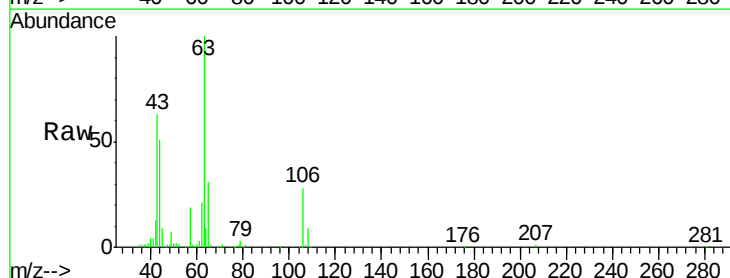
Acq: 04 Mar 2020 18:14

Tgt Ion: 63 Resp: 211970

Ion Ratio Lower Upper

63 100

106 28.7 23.3 34.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

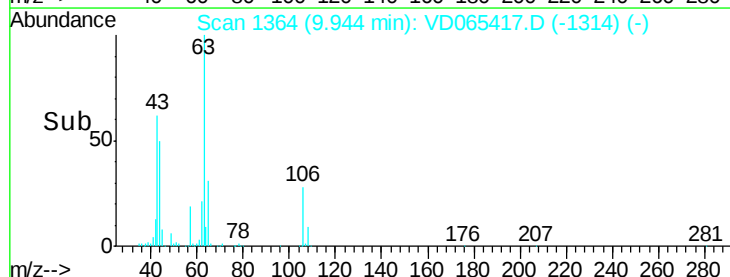
9.94

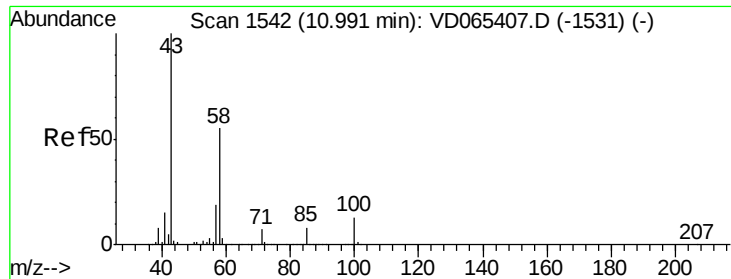
100000

50000

0

Time-->





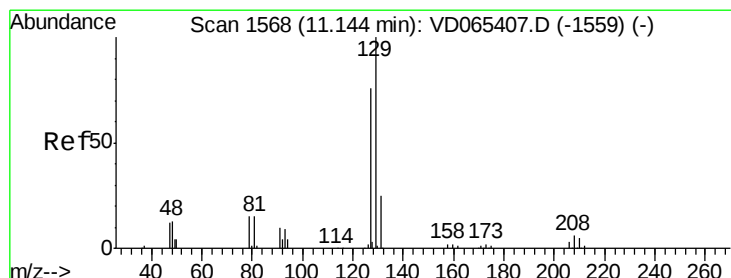
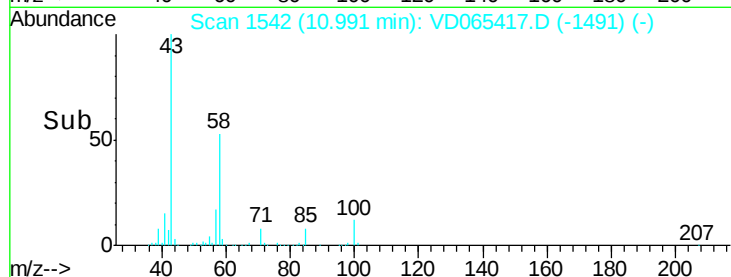
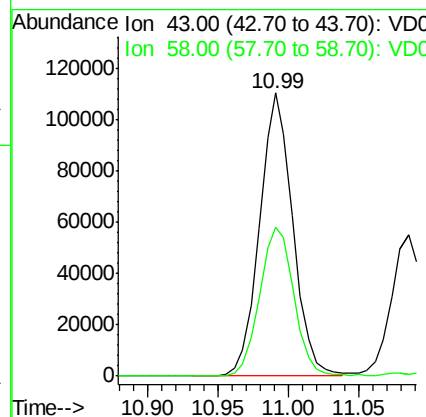
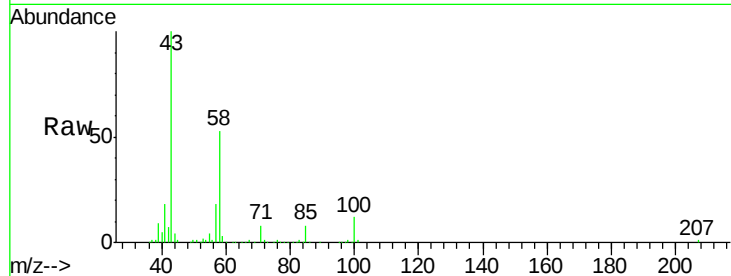
#59
2-Hexanone
Concen: 106.613 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065417.D
Acq: 04 Mar 2020 18:14

Instrument :
MSVOA_D
ClientSampleId :
VD0304SBS01

Tot Ion	43	Resp	182205
Ion Ratio	43	100	
Lower	58	54.1	27.4
Upper			82.2

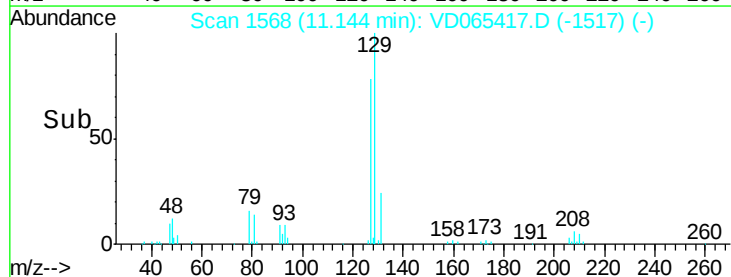
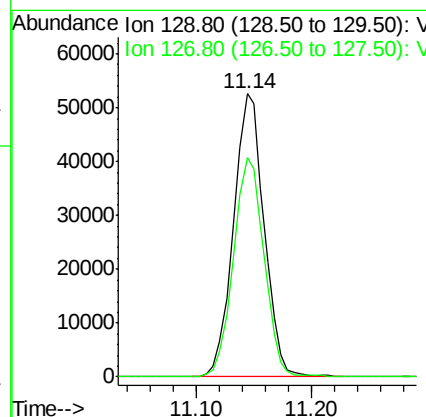
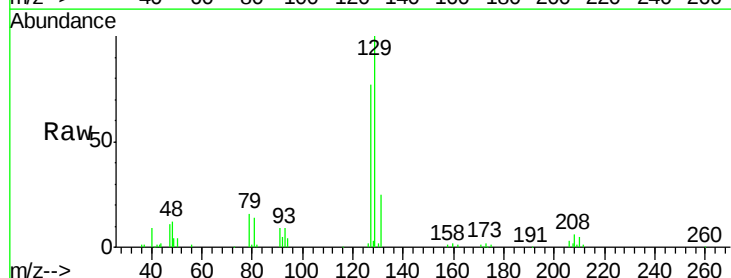
Manual Integrations
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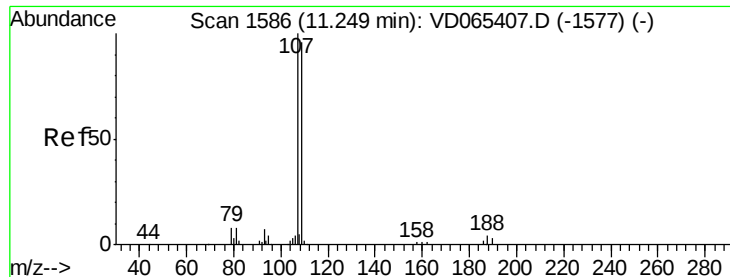
MMDadoda
3/5/2020 1:39:10 PM



#60
Dibromochloromethane
Concen: 22.001 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065417.D
Acq: 04 Mar 2020 18:14

Tgt Ion	129	Resp	96464
Ion Ratio	129	100	
Lower	127	77.5	38.5
Upper			115.5





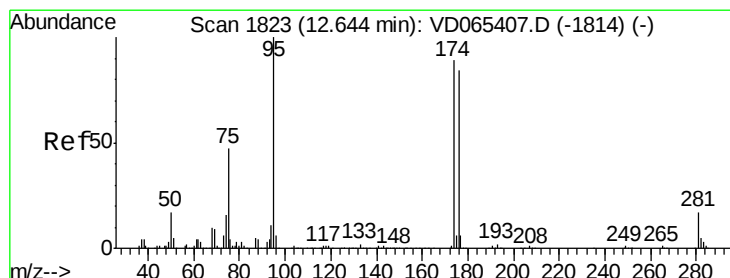
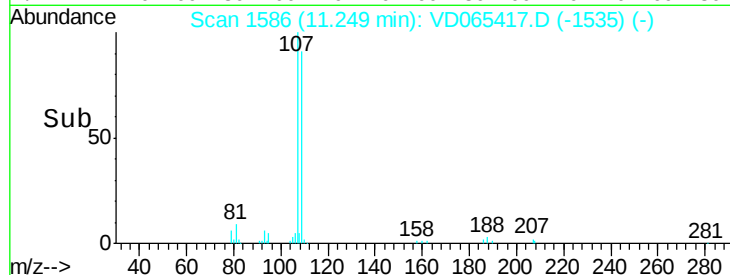
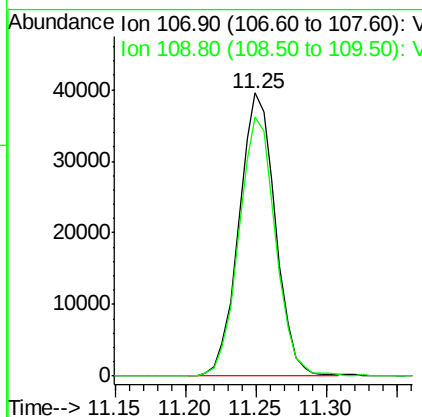
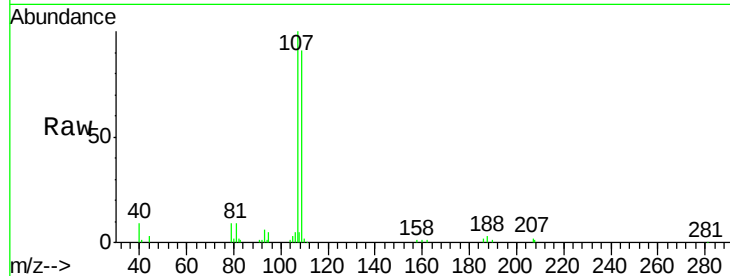
#61
 1,2-Dibromoethane
 Concen: 21.868 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065417.D
 Acq: 04 Mar 2020 18:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0304SBSD01

Tot Ion: 107 Resp: 71348
 Ion Ratio Lower Upper
 107 100
 109 92.1 76.8 115.2

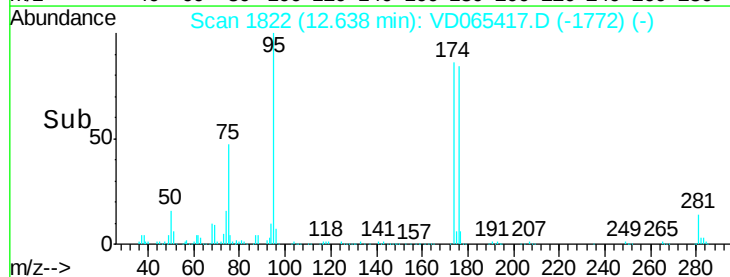
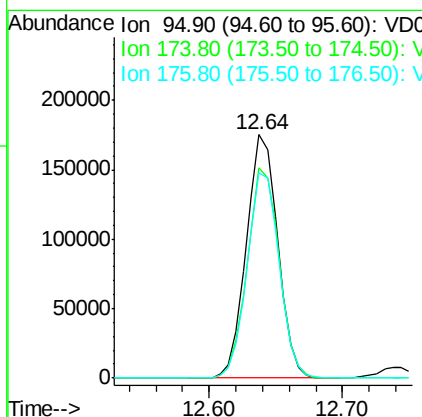
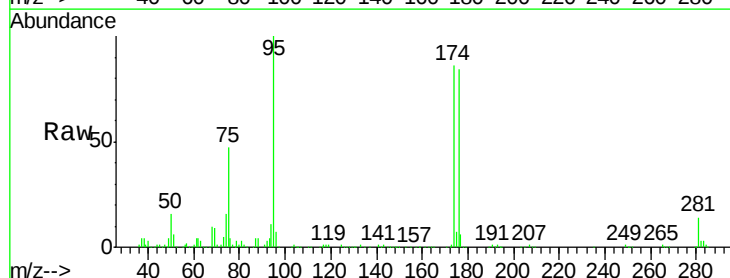
Manual Integrations
 APPROVED

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 3/5/2020 1:39:10 PM



#62
 4-Bromofluorobenzene
 Concen: 54.168 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.01 min
 Lab File: VD065417.D
 Acq: 04 Mar 2020 18:14

Tgt Ion: 95 Resp: 284512
 Ion Ratio Lower Upper
 95 100
 174 87.5 0.0 176.8
 176 85.7 0.0 171.4





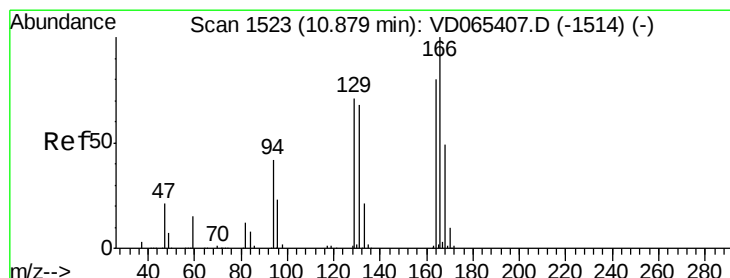
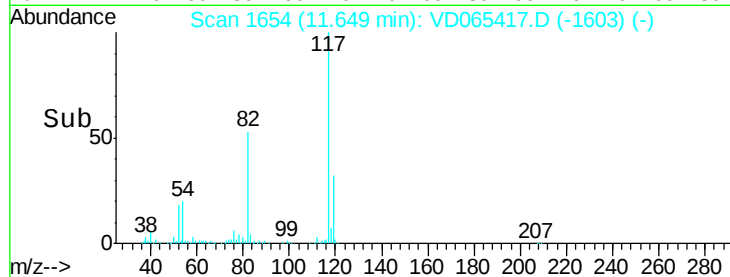
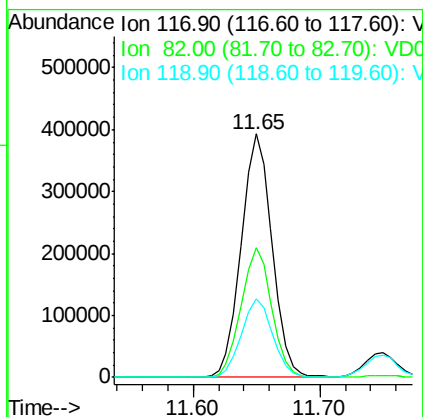
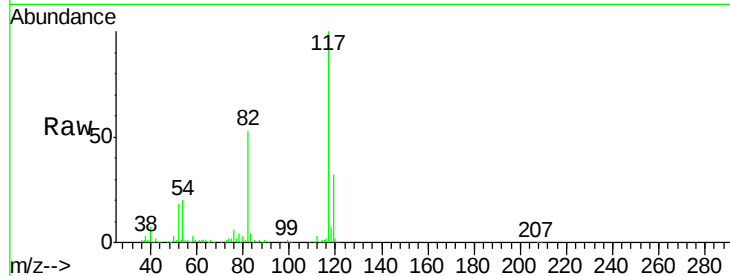
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065417.D
Acq: 04 Mar 2020 18:14

Instrument :
MSVOA_D
ClientSampleId :
VD0304SBSD01

Tot Ion	Ratio	Resp Lower	Resp Upper
117	100		
82	53.1	40.6	60.8
119	32.2	25.4	38.2

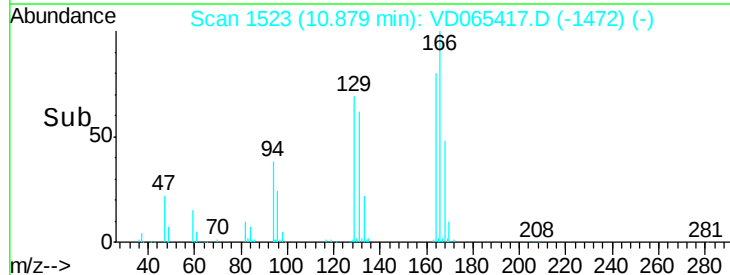
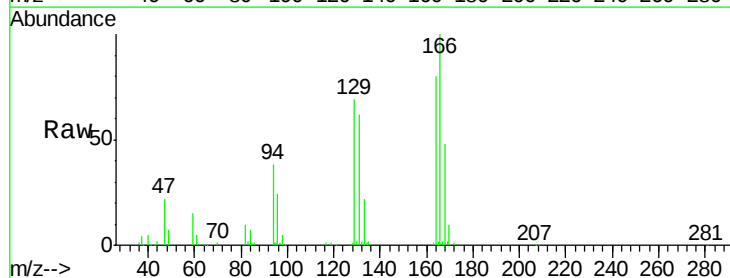
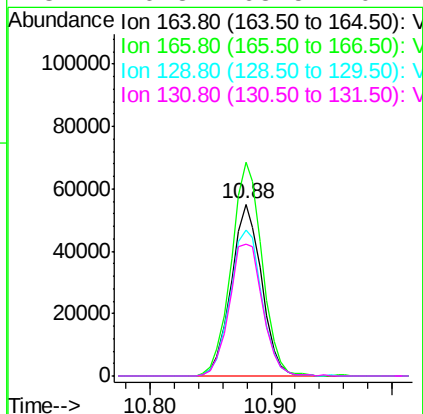
Manual Integrations
APPROVED

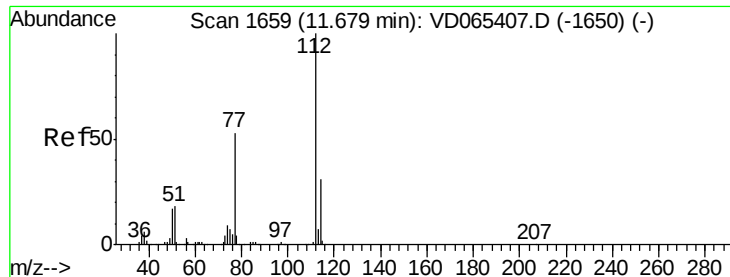
MMDadoda
3/5/2020 1:39:10 PM



#64
Tetrachloroethene
Concen: 20.278 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065417.D
Acq: 04 Mar 2020 18:14

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
166	124.3	100.5	150.7
129	85.2	71.5	107.3
131	76.8	68.5	102.7





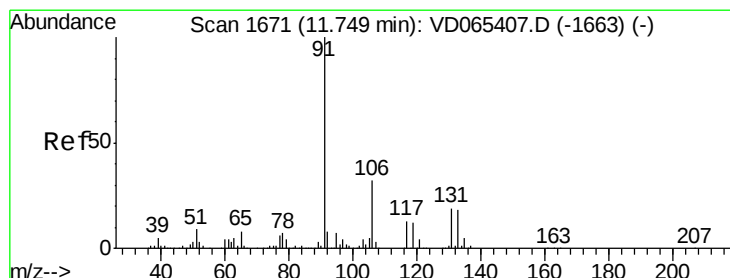
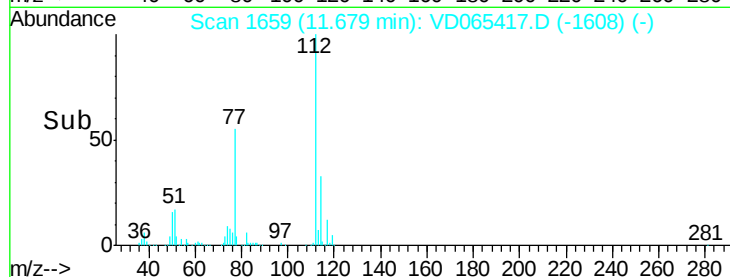
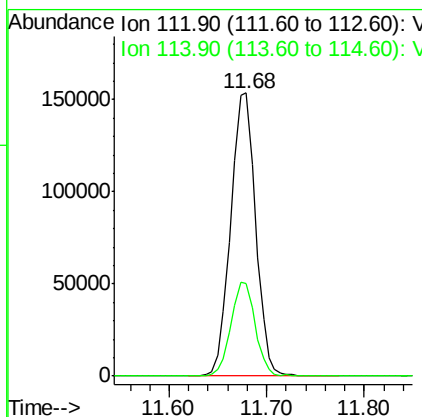
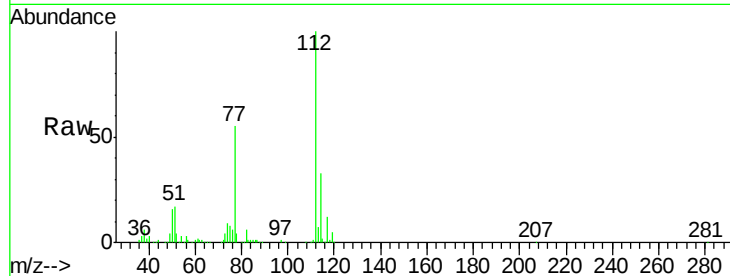
#65
Chlorobenzene
Concen: 20.752 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VD065417.D
Acq: 04 Mar 2020 18:14

Instrument :
MSVOA_D
ClientSampleId :
VD0304SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.7	24.4	36.6

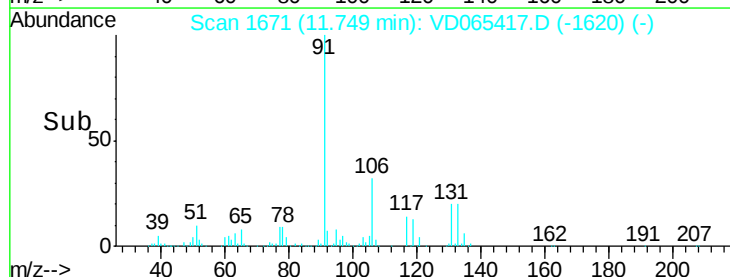
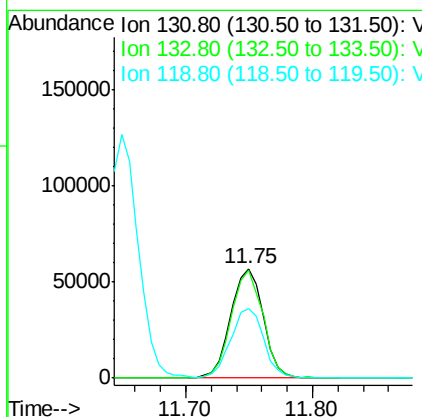
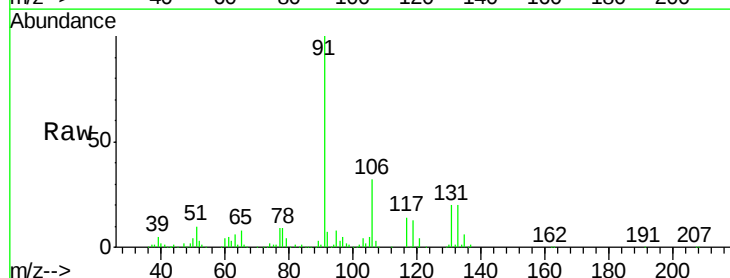
Manual Integrations
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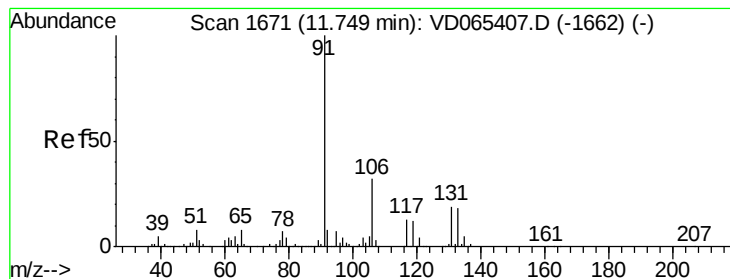
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.976 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065417.D
Acq: 04 Mar 2020 18:14

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.3	49.2	147.6
119	65.0	33.3	99.8





#67

Ethyl Benzene

Concen: 20.153 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065417.D

Acq: 04 Mar 2020 18:14

Instrument :

MSVOA_D

ClientSampleId :

VD0304SBS01

Tot Ion: 91 Resp: 458343

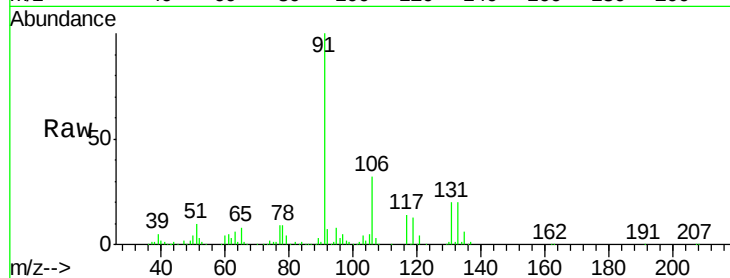
Ion Ratio Lower Upper

91 100

106 32.0 25.2 37.8

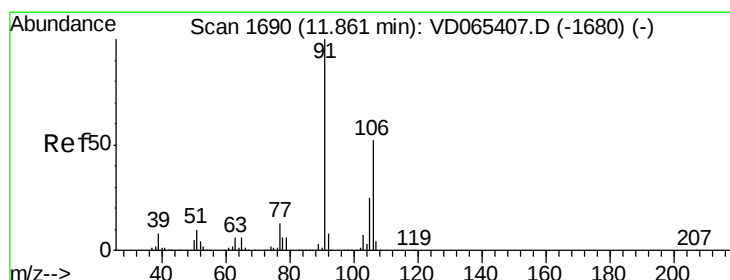
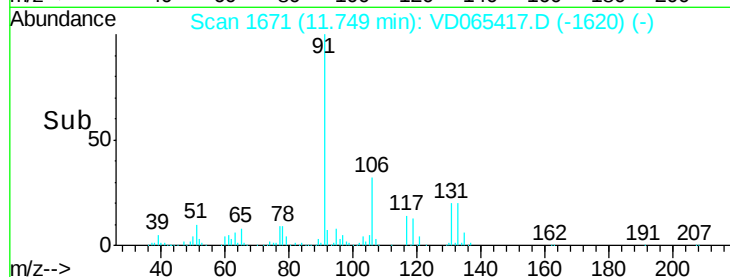
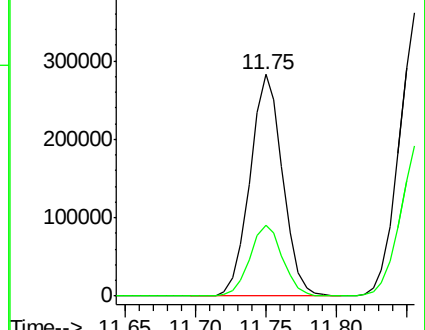
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 41.681 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VD065417.D

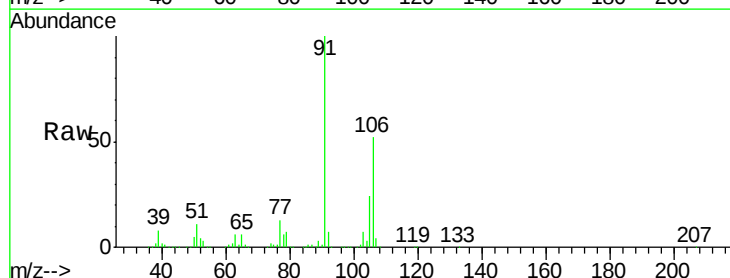
Acq: 04 Mar 2020 18:14

Tgt Ion: 106 Resp: 365528

Ion Ratio Lower Upper

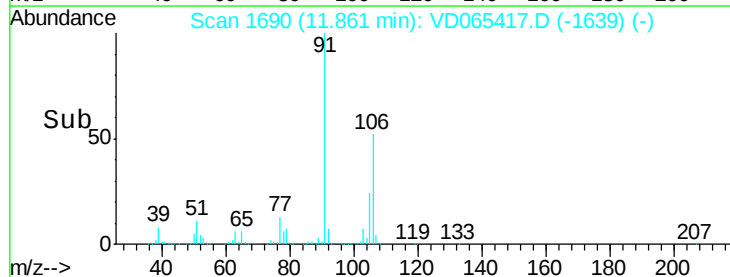
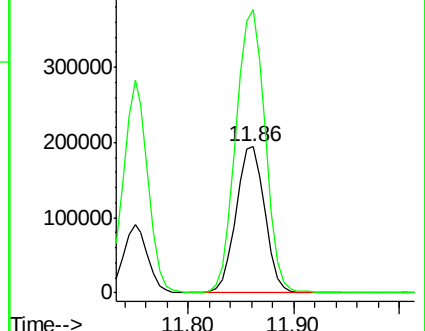
106 100

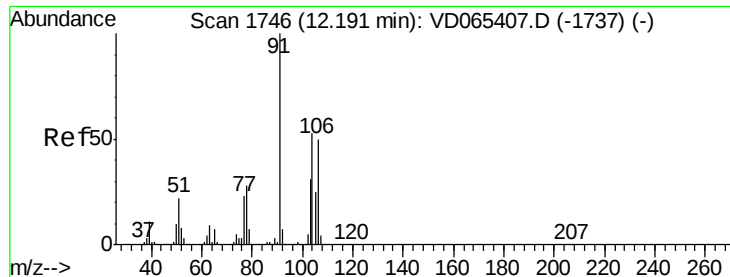
91 196.6 155.9 233.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V





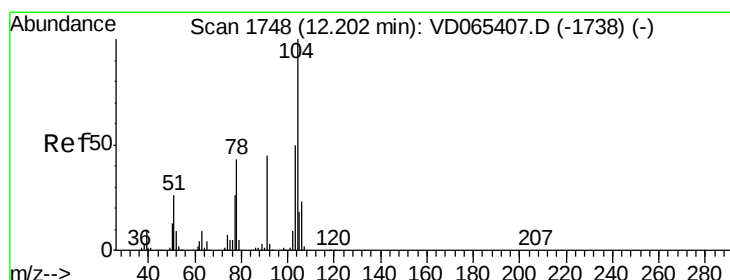
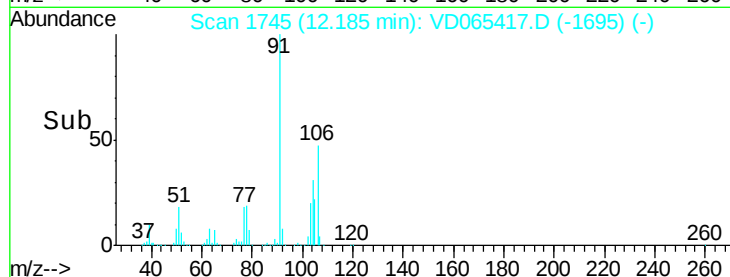
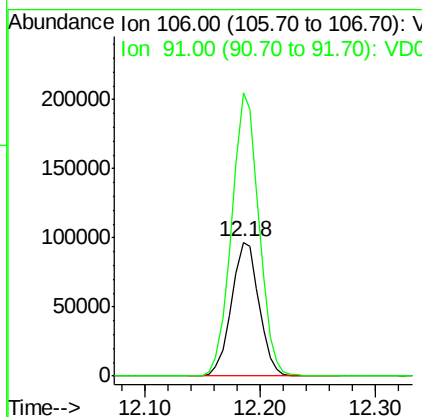
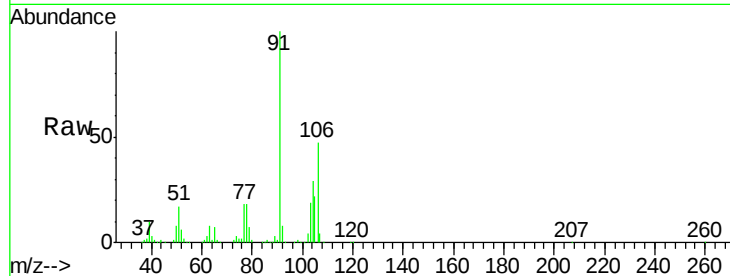
#69
o-Xylene
Concen: 20.818 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VD065417.D
Acq: 04 Mar 2020 18:14

Instrument :
MSVOA_D
ClientSampleId :
VD0304SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
106	100	160590		
91	208.7	103.5	310.3	

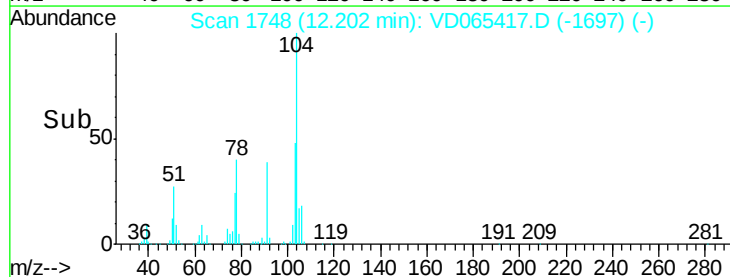
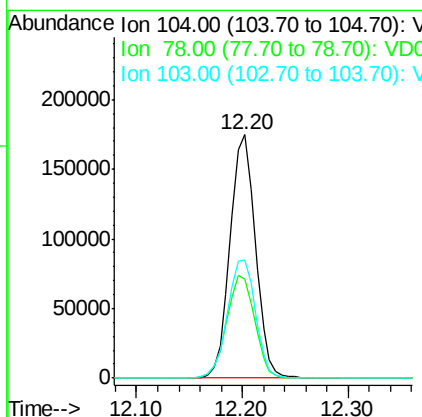
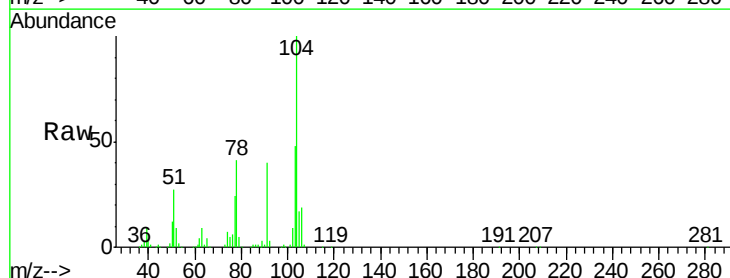
Manual Integrations
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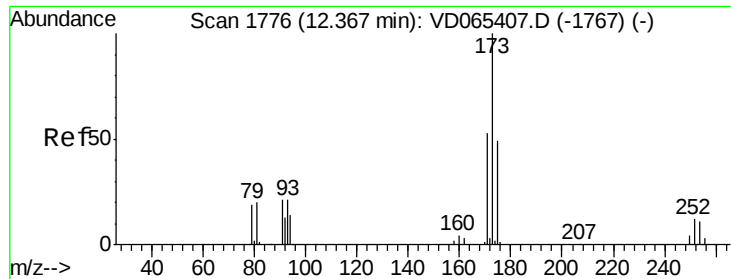
MMDadoda
3/5/2020 1:39:10 PM



#70
Styrene
Concen: 21.348 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065417.D
Acq: 04 Mar 2020 18:14

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	289837		
78	46.6	37.7	56.5	
103	53.5	43.6	65.4	





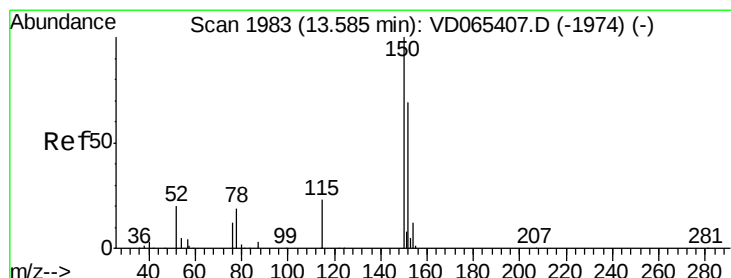
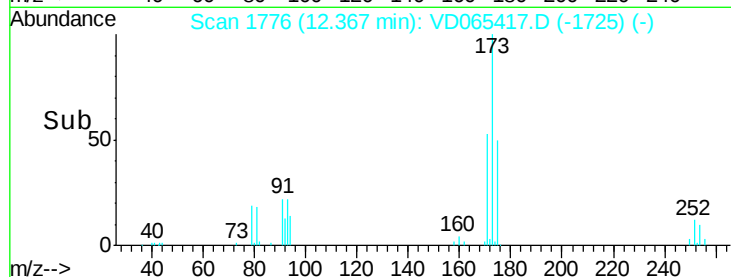
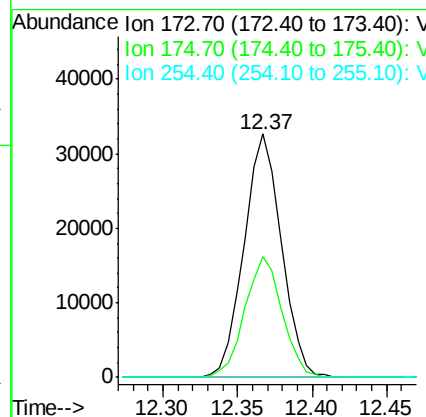
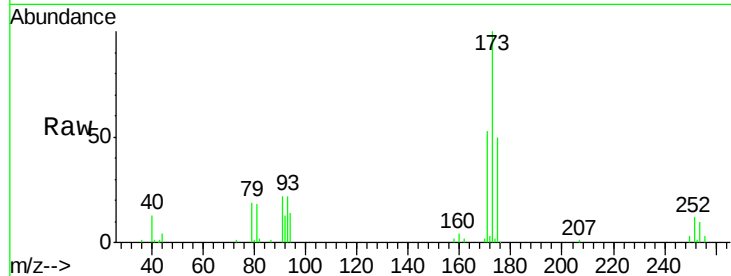
#71
Bromoform
Concen: 21.037 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD065417.D
Acq: 04 Mar 2020 18:14

Instrument :
MSVOA_D
ClientSampleId :
VD0304SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.3	73.0
254	0.0	0.1	0.1

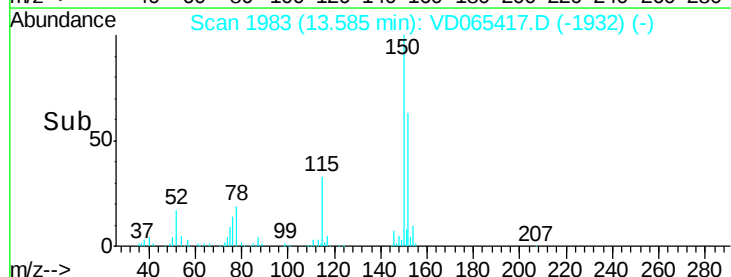
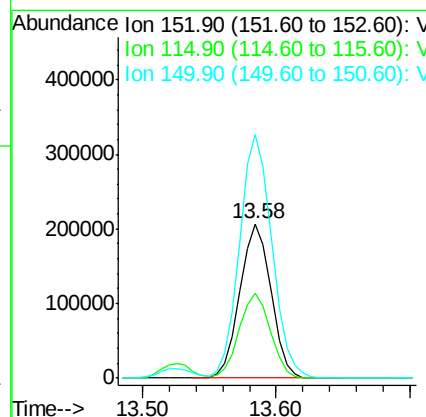
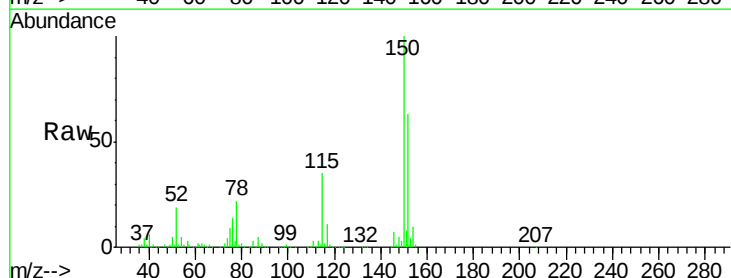
Manual Integrations
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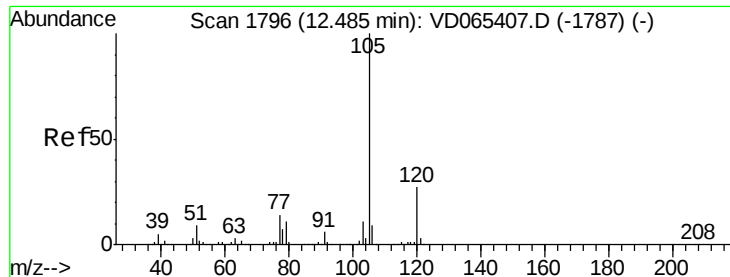
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3/5/2020 1:39:10 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065417.D
Acq: 04 Mar 2020 18:14

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.4	27.6	82.8
150	164.1	0.0	345.0





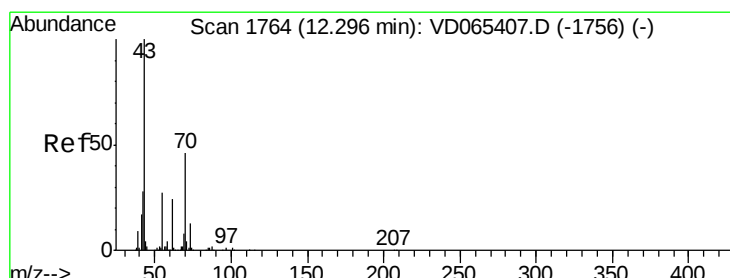
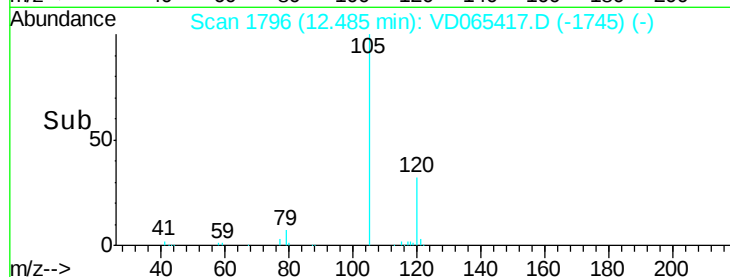
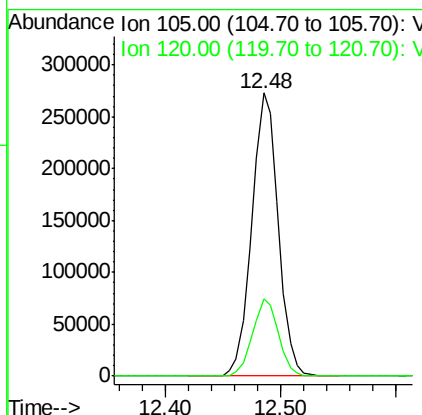
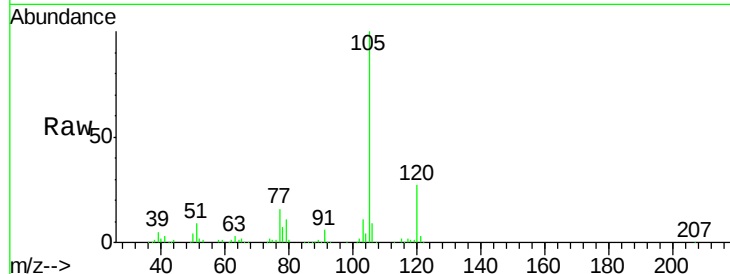
#73
Isopropylbenzene
Concen: 19.770 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD065417.D
Acq: 04 Mar 2020 18:14

Instrument :
MSVOA_D
ClientSampleId :
VD0304SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.5	40.4

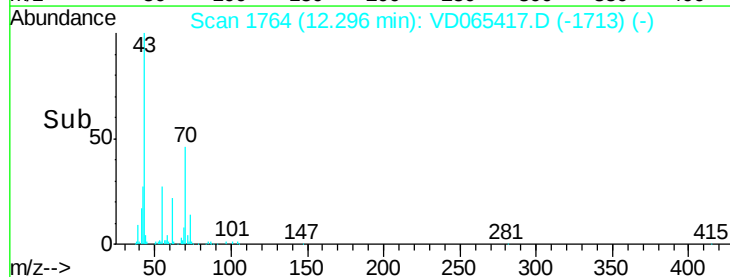
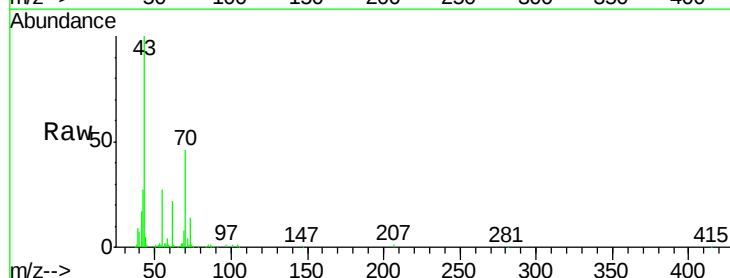
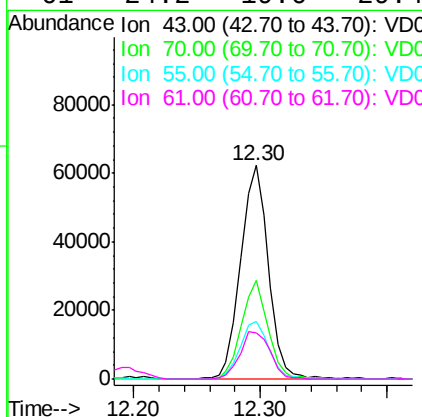
Manual Integrations
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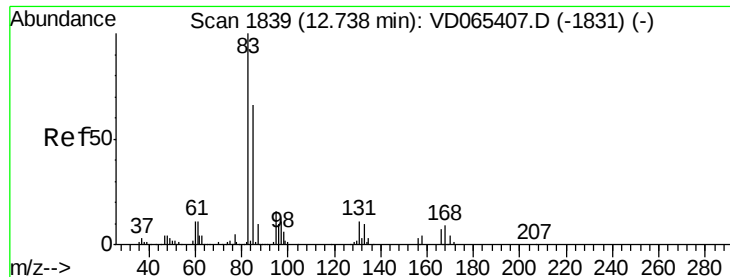
MMDadoda
3/5/2020 1:39:10 PM



#74
N-ethyl acetate
Concen: 20.997 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. 0.00 min
Lab File: VD065417.D
Acq: 04 Mar 2020 18:14

Tgt Ion	Ratio	Lower	Upper
43	100		
70	44.2	36.1	54.1
55	27.9	21.6	32.4
61	24.2	19.6	29.4





#75

1,1,2,2-Tetrachloroethane

Concen: 20.682 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065417.D

Acq: 04 Mar 2020 18:14

Instrument :

MSVOA_D

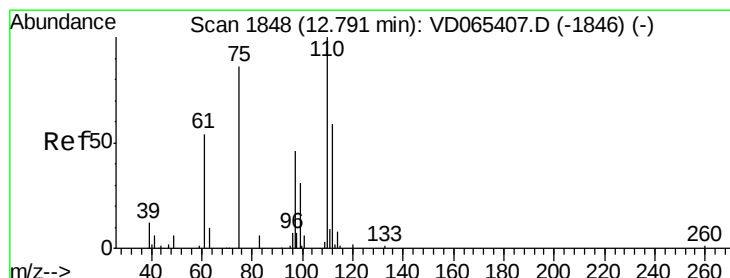
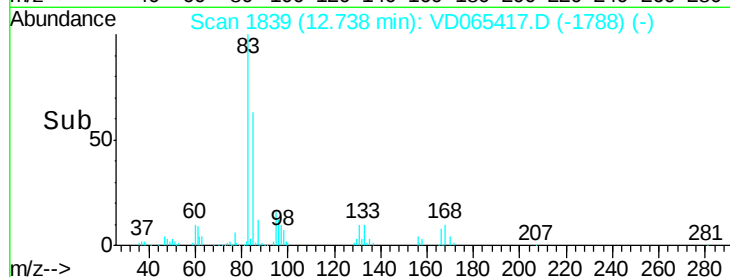
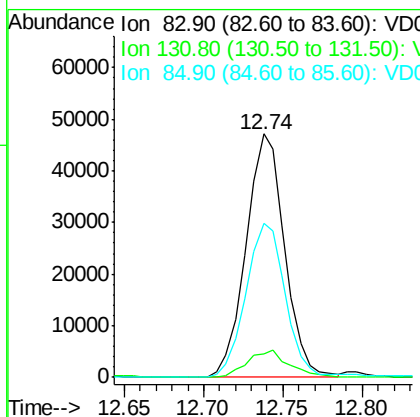
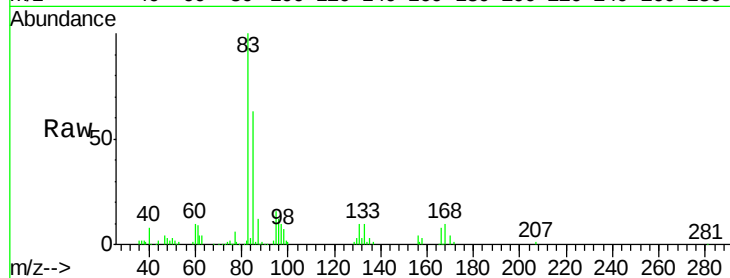
ClientSampleId :

VD0304SBS01

Tot Ion:	83	Resp:	79800
Ion Ratio	Lower	Upper	
83	100		
131	11.9	5.4	16.2
85	65.6	33.0	98.9

Manual Integrations
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MMDadoda
3/5/2020 1:39:10 PM



#76

1,2,3-Trichloropropane

Concen: 24.182 ug/l m

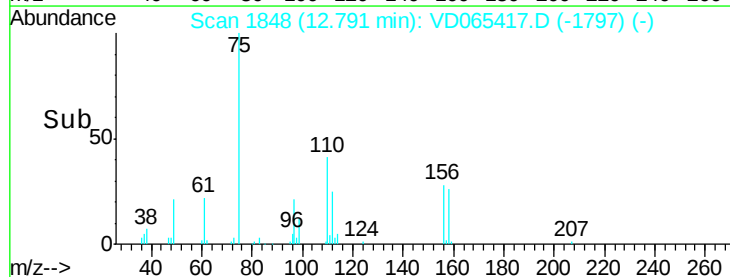
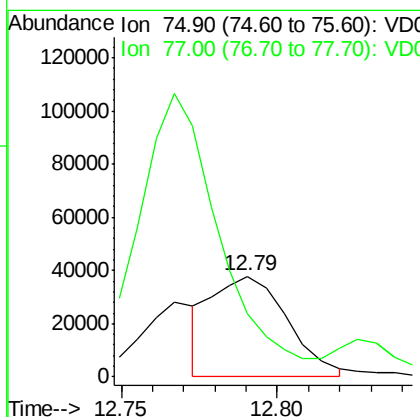
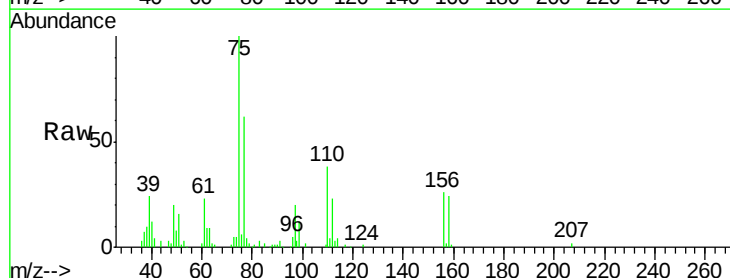
RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065417.D

Acq: 04 Mar 2020 18:14

Tgt Ion:	75	Resp:	63679
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.092 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065417.D

Acq: 04 Mar 2020 18:14

Instrument :

MSVOA_D

ClientSampleId :

VD0304SBSD01

Tot Ion:156 Resp: 115028

Ion Ratio Lower Upper

156 100

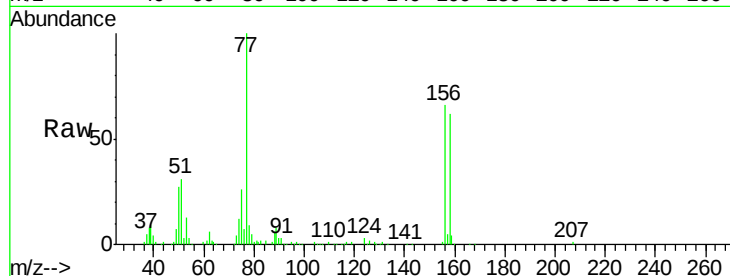
77 169.0 84.9 254.6

158 96.2 49.0 147.2

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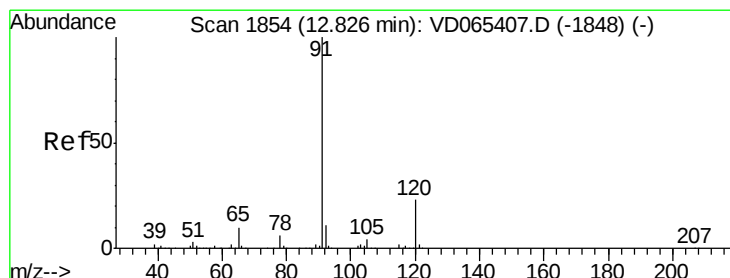
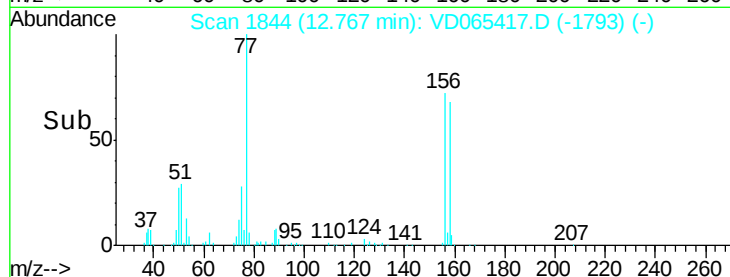
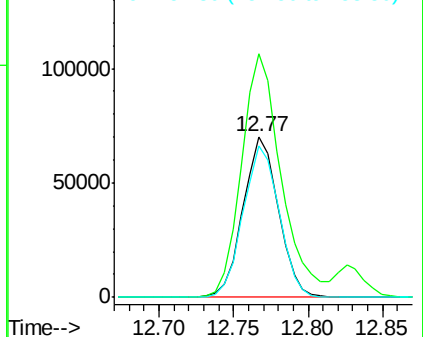
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.164 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065417.D

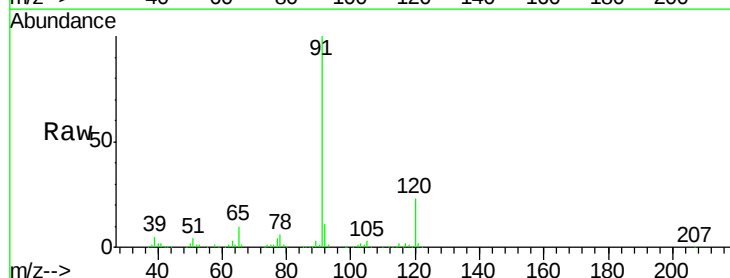
Acq: 04 Mar 2020 18:14

Tgt Ion: 91 Resp: 525152

Ion Ratio Lower Upper

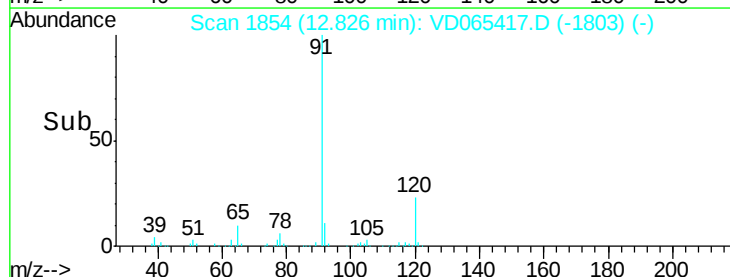
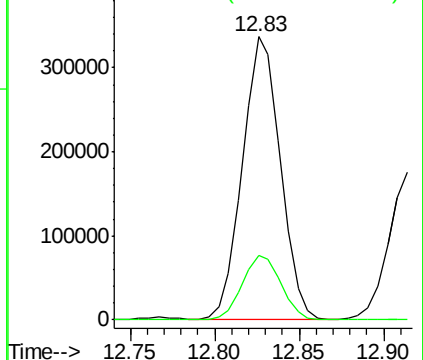
91 100

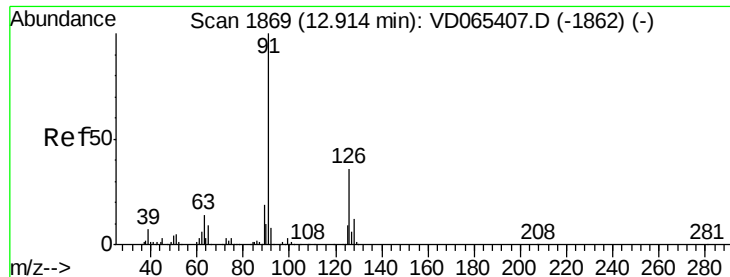
120 23.3 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.143 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065417.D

Acq: 04 Mar 2020 18:14

Instrument :

MSVOA_D

ClientSampleId :

VD0304SBS01

Tot Ion: 91 Resp: 295663

Ion Ratio Lower Upper

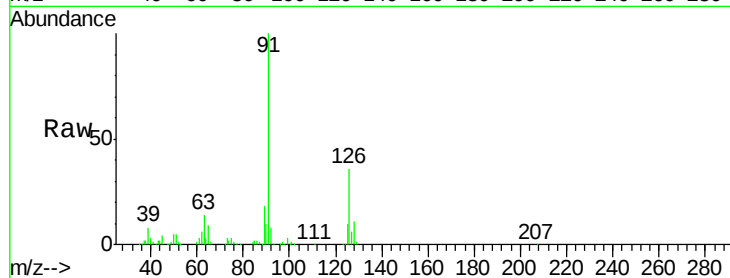
91 100

126 35.7 17.9 53.8

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VD065417.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD065417.D (-1862) (-)

250000

200000

150000

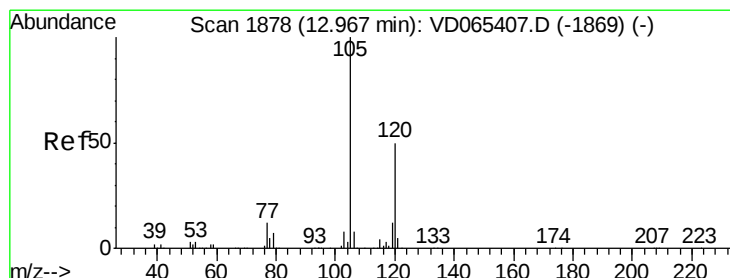
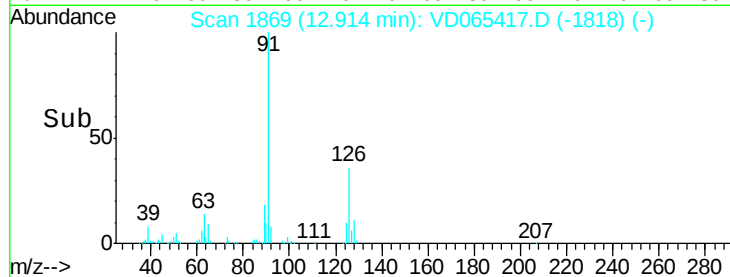
100000

50000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.541 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065417.D

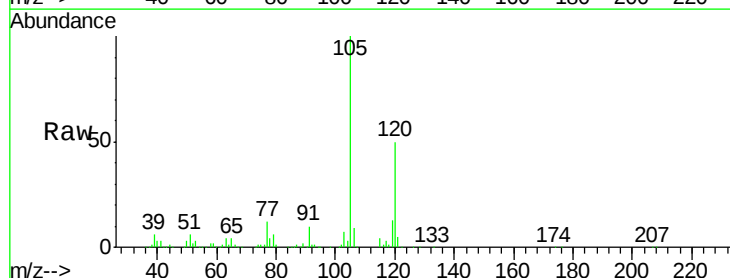
Acq: 04 Mar 2020 18:14

Tgt Ion: 105 Resp: 370680

Ion Ratio Lower Upper

105 100

120 50.5 25.4 76.0



Abundance Ion 105.00 (104.70 to 105.70): VD065417.D (-1869) (-)

Ion 120.00 (119.70 to 120.70): VD065417.D (-1869) (-)

250000

200000

150000

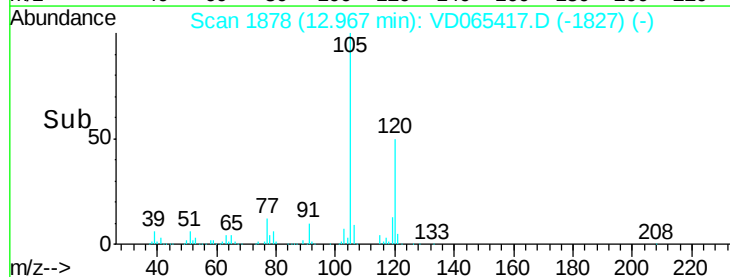
100000

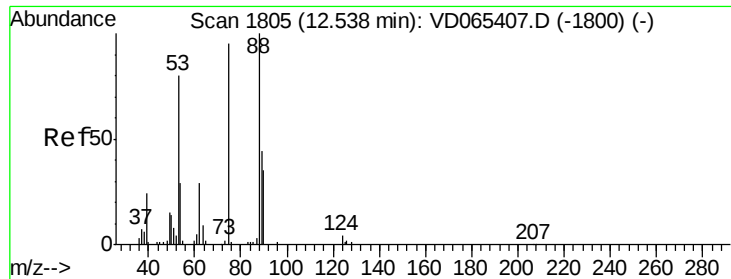
50000

0

12.90 12.97 13.00 13.10

Time-->





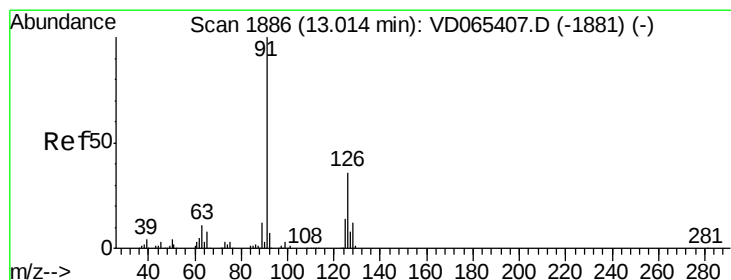
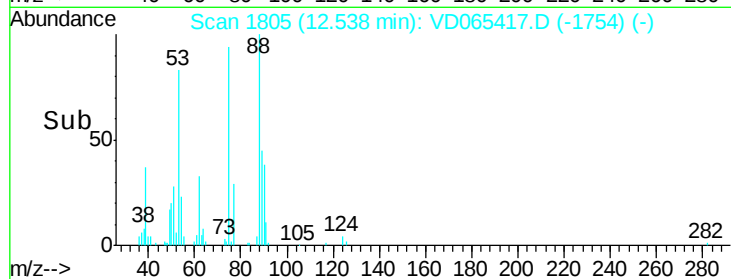
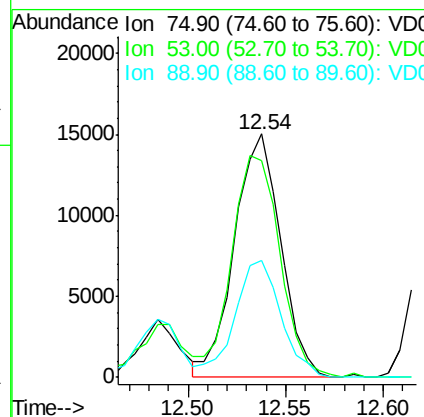
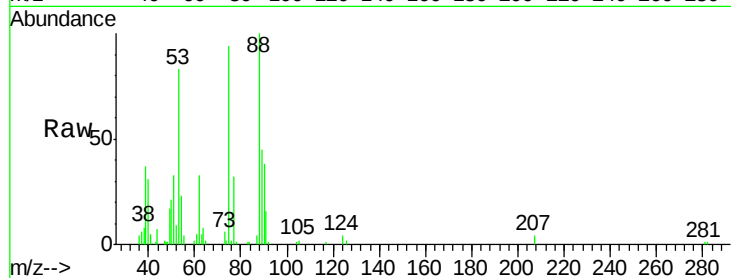
#81
trans-1,4-Dichloro-2-butene
Concen: 19.767 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. 0.00 min
Lab File: VD065417.D
Acq: 04 Mar 2020 18:14

Instrument :
MSVOA_D
ClientSampleId :
VD0304SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.0	71.3	106.9
89	47.1	37.0	55.6

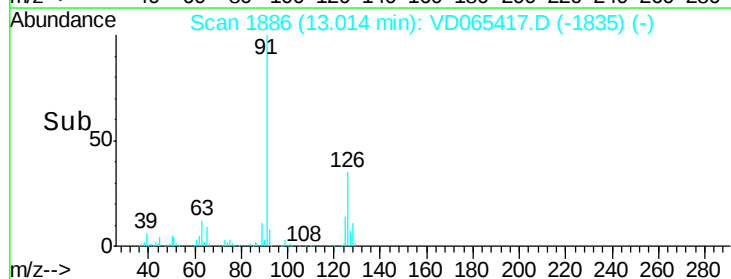
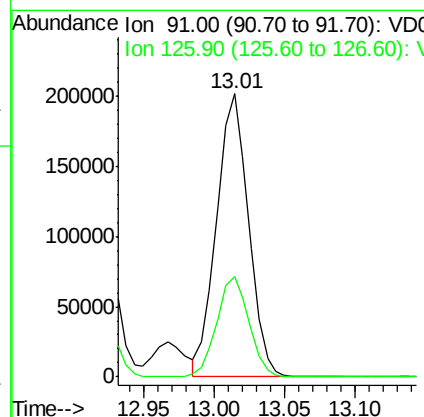
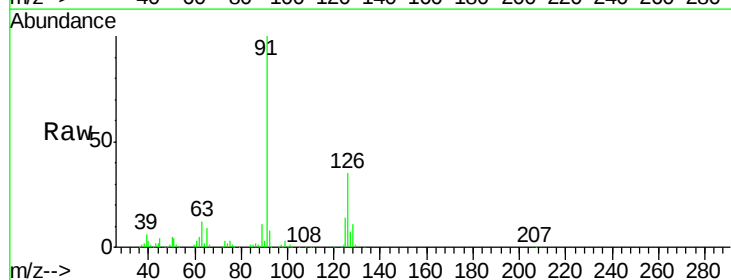
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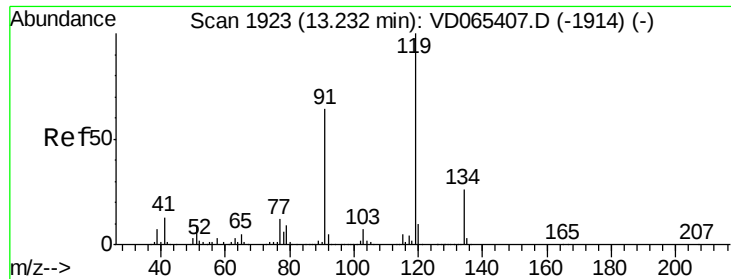
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#82
4-Chlorotoluene
Concen: 20.529 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VD065417.D
Acq: 04 Mar 2020 18:14

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.6	17.6	52.8





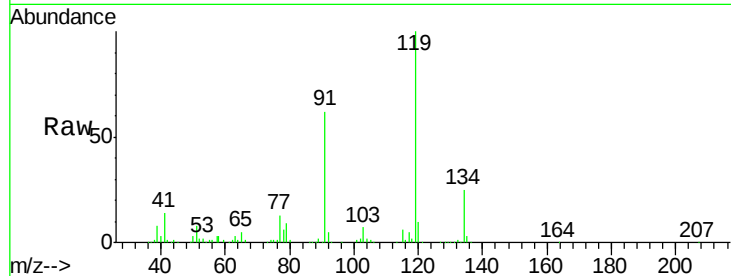
#83
tert-Butylbenzene
Concen: 19.551 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065417.D
Acq: 04 Mar 2020 18:14

Instrument :
MSVOA_D
ClientSampleId :
VD0304SBSD01

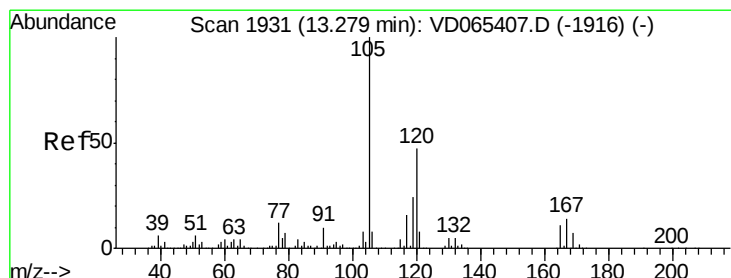
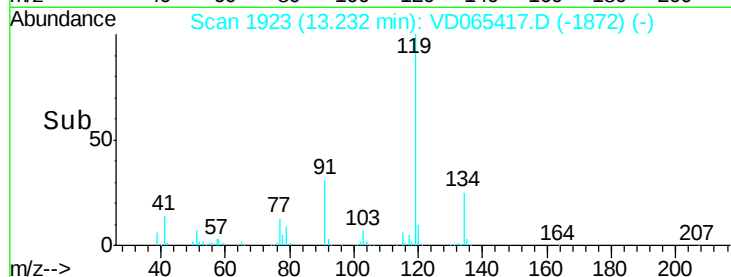
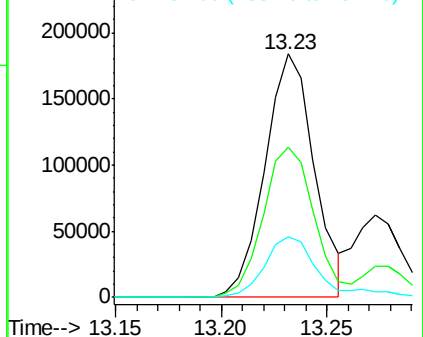
Tot Ion	Ratio	Lower	Upper
119	100		
91	64.0	31.6	95.0
134	27.6	14.2	42.8

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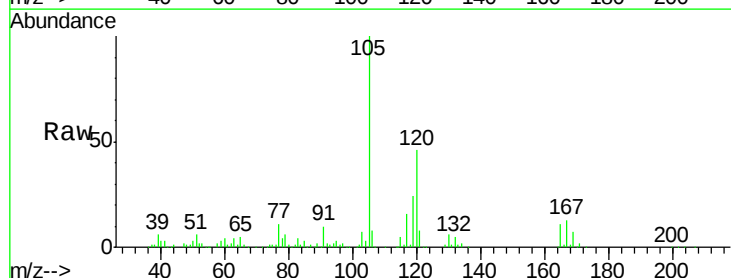


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

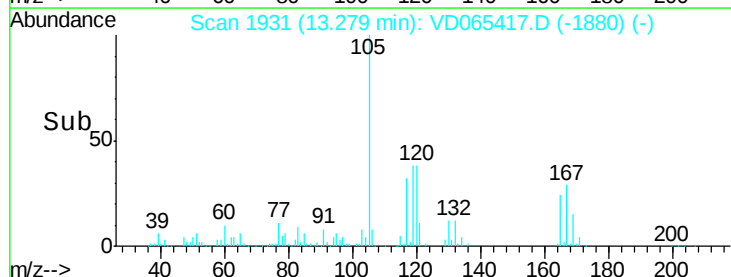
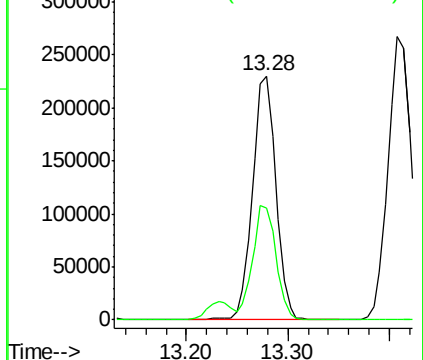


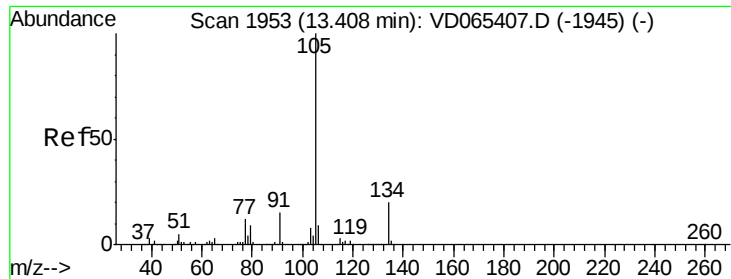
#84
1,2,4-Trimethylbenzene
Concen: 20.721 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.00 min
Lab File: VD065417.D
Acq: 04 Mar 2020 18:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.8	23.4	70.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.581 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065417.D

Acq: 04 Mar 2020 18:14

Instrument :

MSVOA_D

ClientSampleId :

VD0304SBSD01

Tot Ion:105 Resp: 426722

Ion Ratio Lower Upper

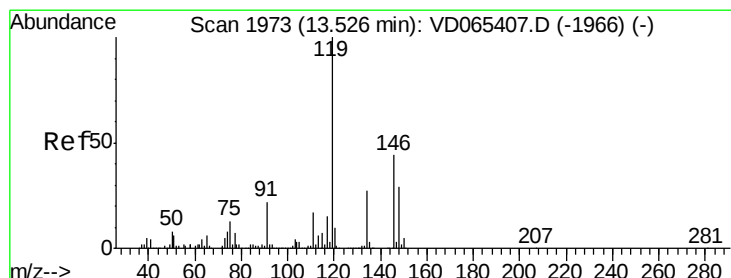
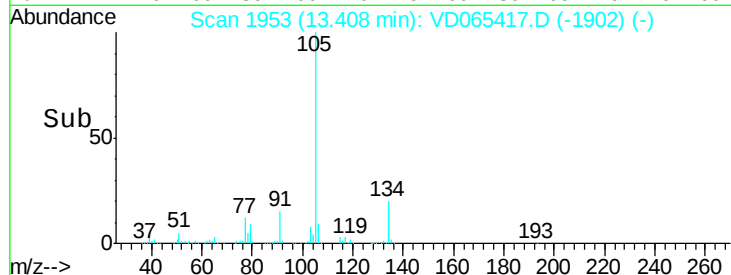
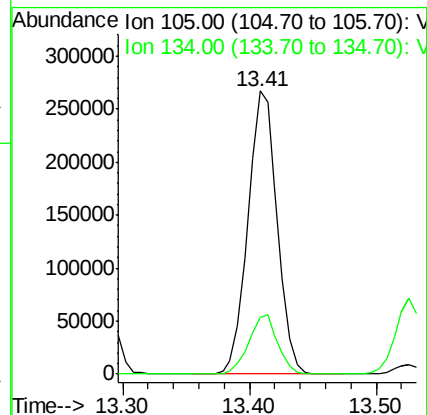
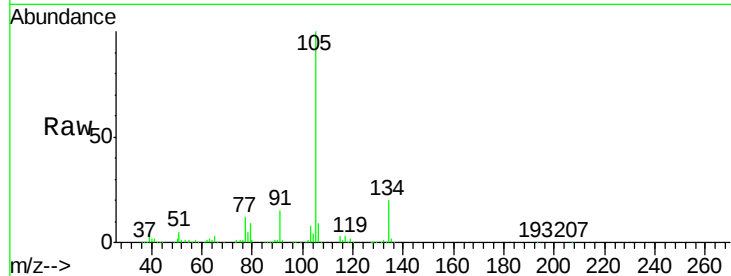
105 100

134 20.7 10.3 30.9

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#86

p-Isopropyltoluene

Concen: 19.590 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065417.D

Acq: 04 Mar 2020 18:14

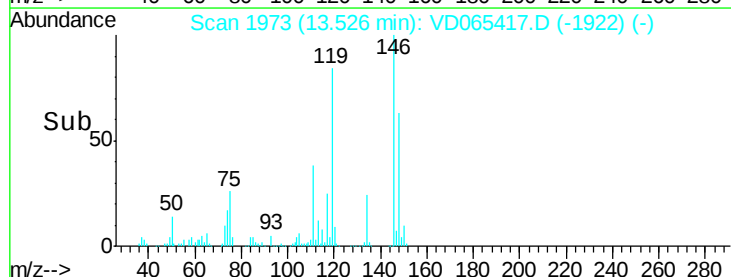
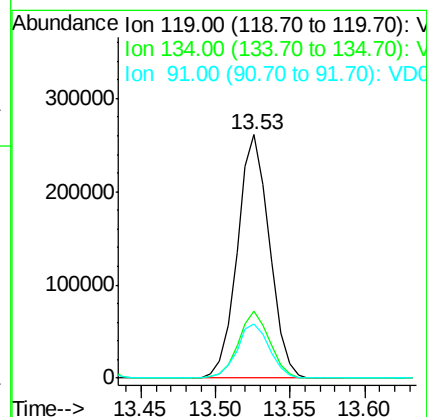
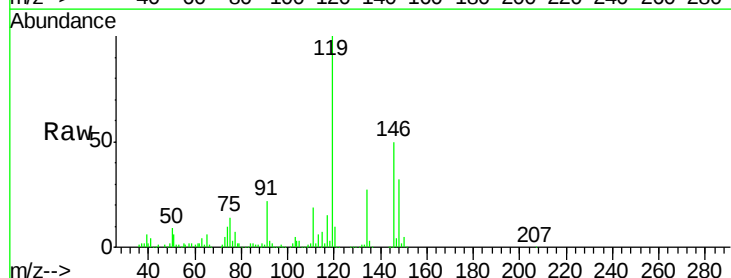
Tgt Ion:119 Resp: 389546

Ion Ratio Lower Upper

119 100

134 27.0 13.3 39.9

91 22.3 10.9 32.6





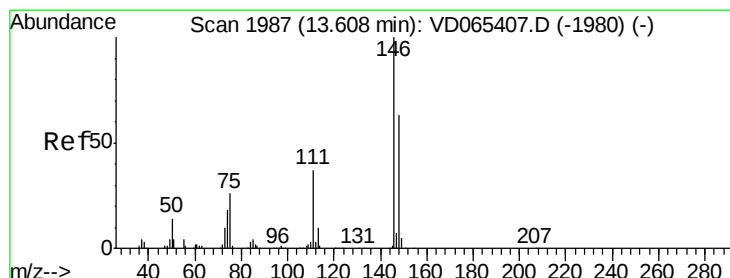
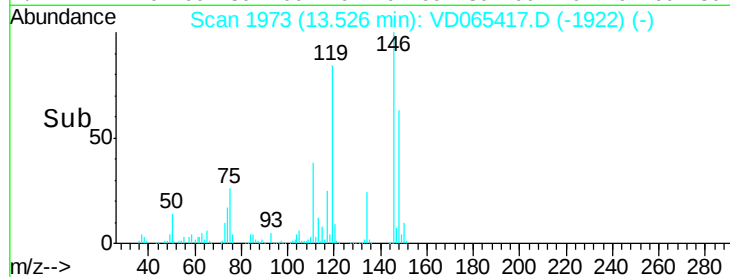
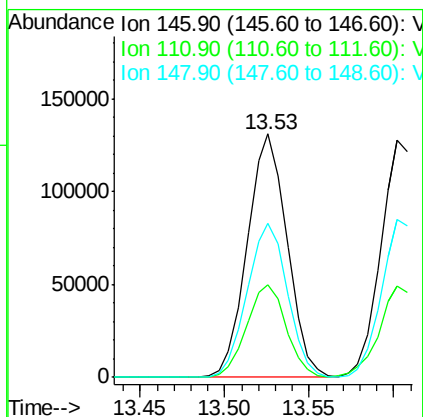
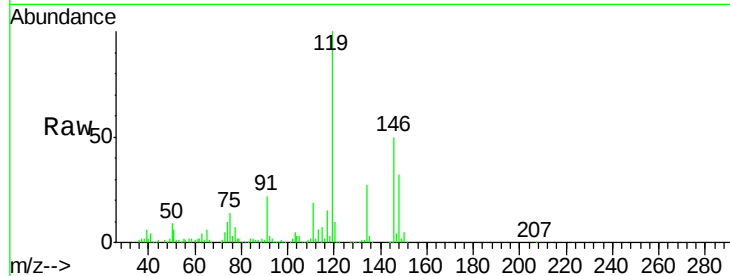
#87
 1,3-Dichlorobenzene
 Concen: 20.515 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065417.D
 Acq: 04 Mar 2020 18:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0304SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.1	57.1
148	64.1	32.3	96.8

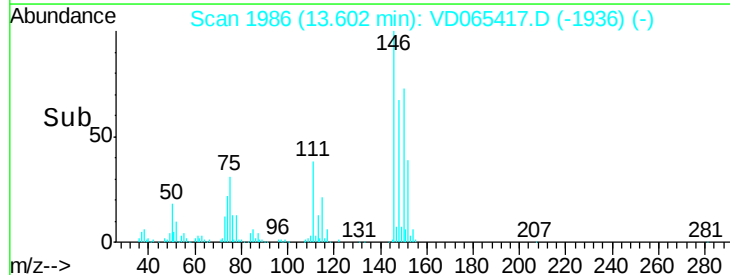
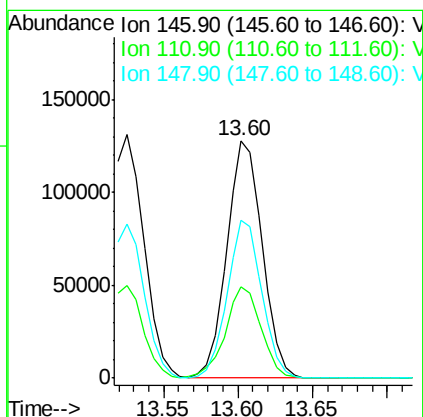
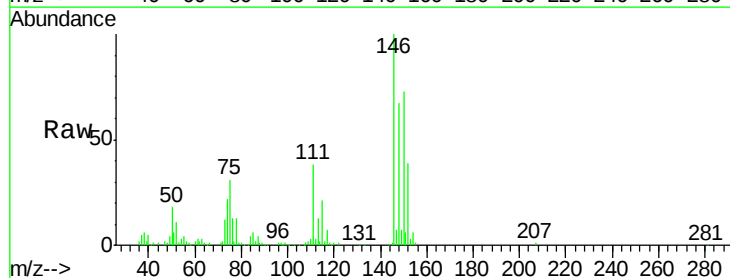
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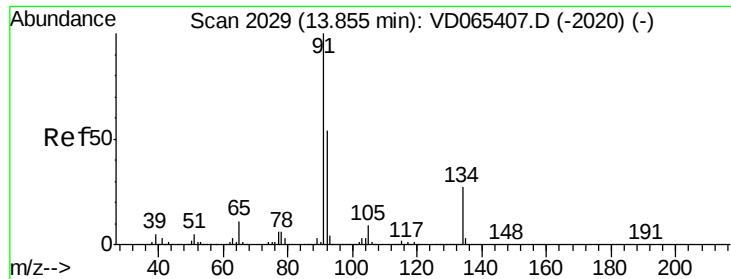
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 3/5/2020 1:39:10 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.335 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.01 min
 Lab File: VD065417.D
 Acq: 04 Mar 2020 18:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	18.5	55.5
148	64.8	32.0	96.0





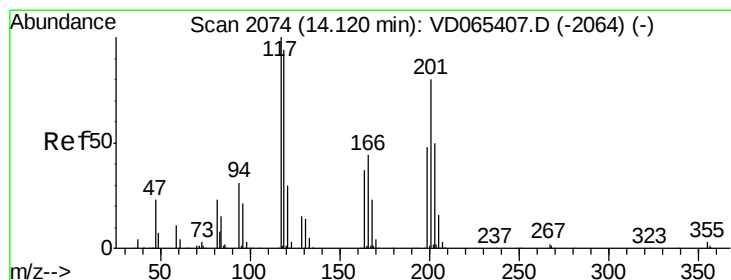
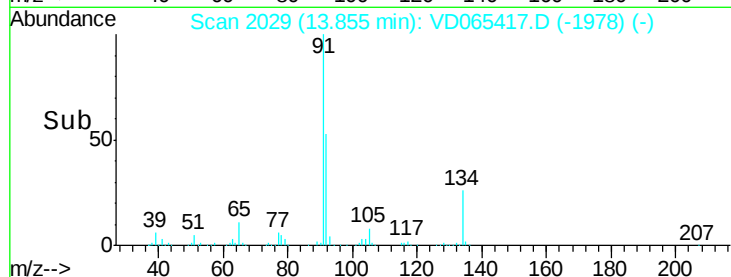
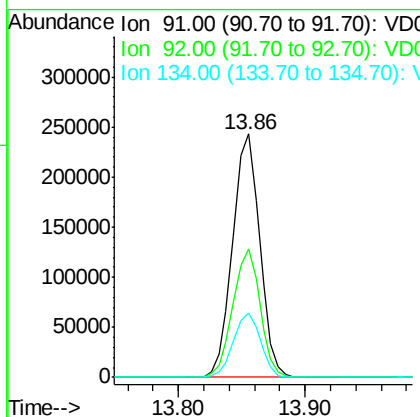
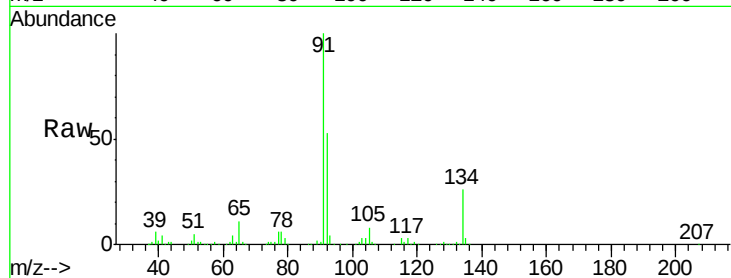
#89
n-Butylbenzene
Concen: 19.573 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065417.D
Acq: 04 Mar 2020 18:14

Instrument :
MSVOA_D
ClientSampleId :
VD0304SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.5	26.8	80.4	
134	26.5	13.4	40.2	

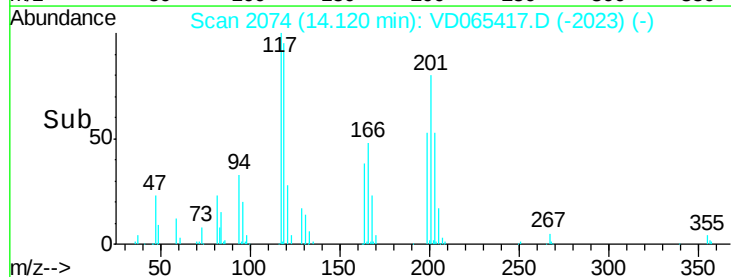
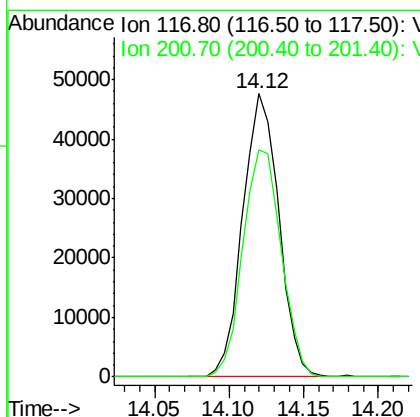
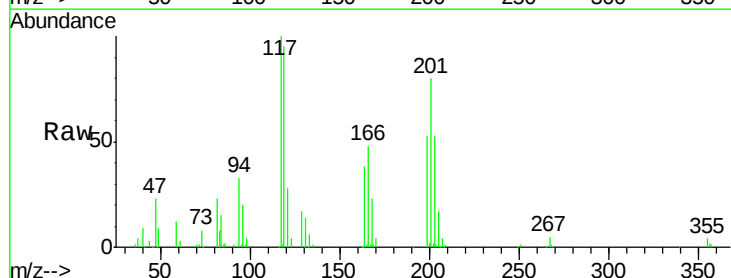
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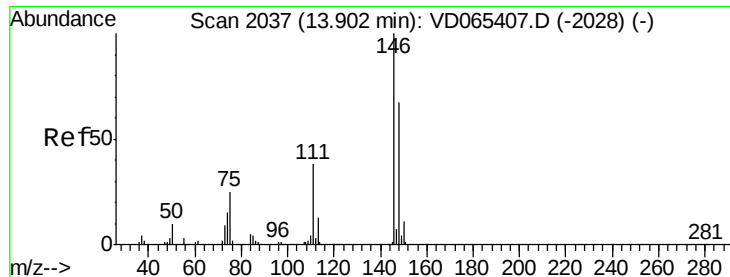
MMDadoda
3/5/2020 1:39:10 PM



#90
Hexachloroethane
Concen: 19.517 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065417.D
Acq: 04 Mar 2020 18:14

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	84.8	41.9	125.6	





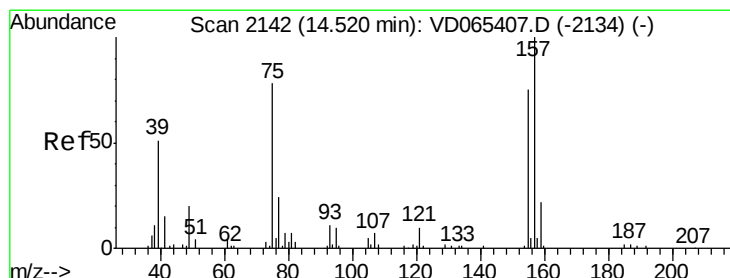
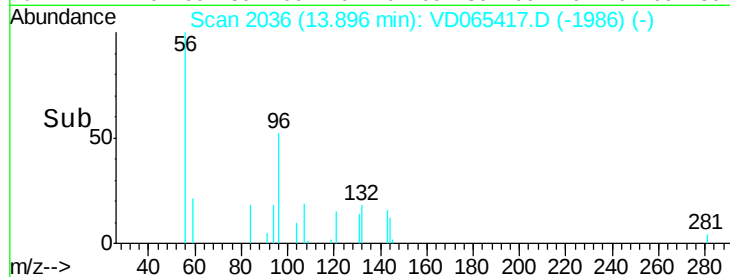
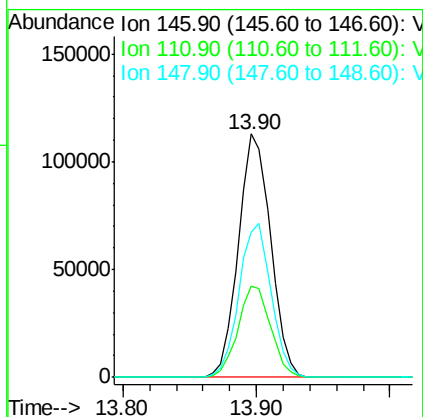
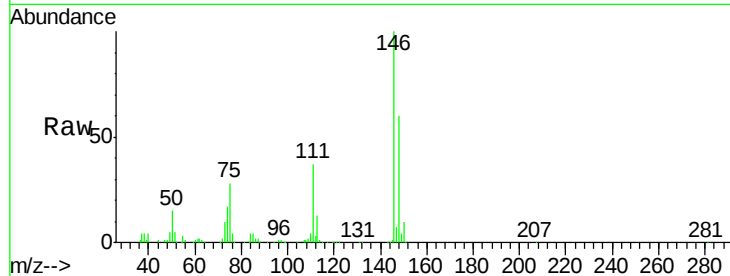
#91
 1,2-Dichlorobenzene
 Concen: 21.138 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065417.D
 Acq: 04 Mar 2020 18:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0304SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	19.8	59.3
148	63.1	32.6	97.8

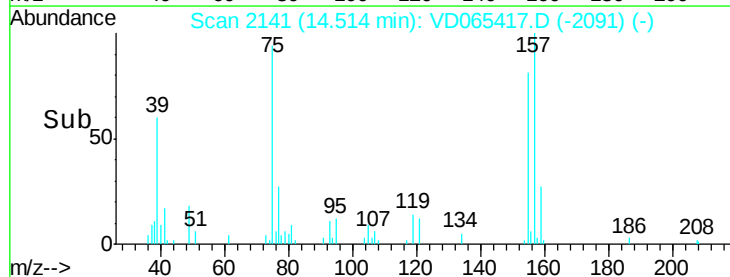
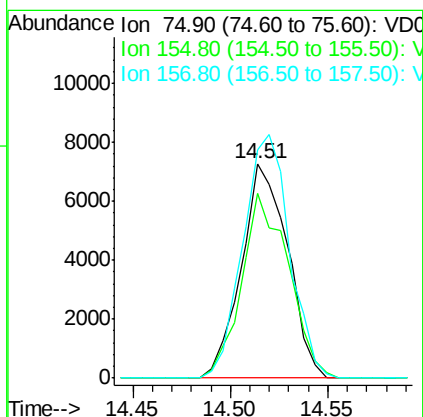
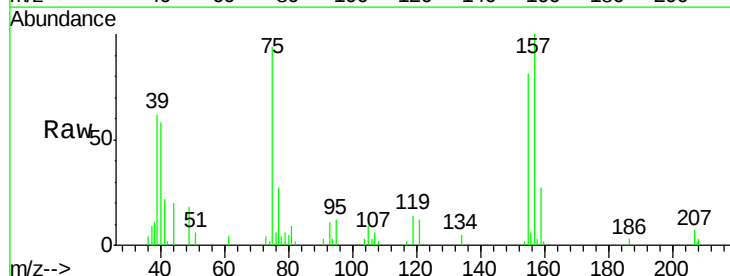
Manual Integrations
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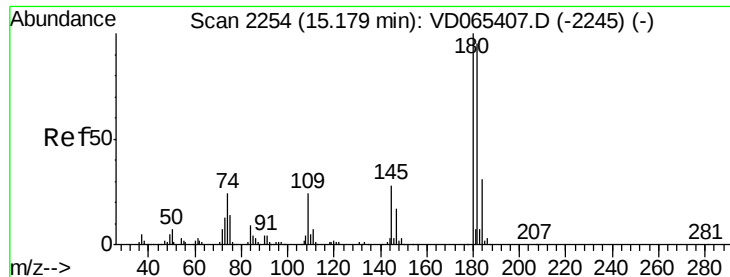
MMDadoda
 3/5/2020 1:39:10 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.267 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD065417.D
 Acq: 04 Mar 2020 18:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.7	46.4	139.1
157	114.7	60.2	180.4





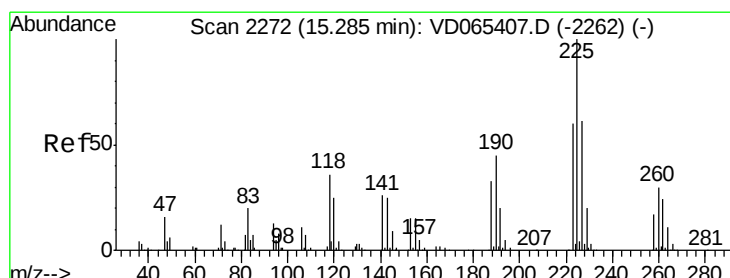
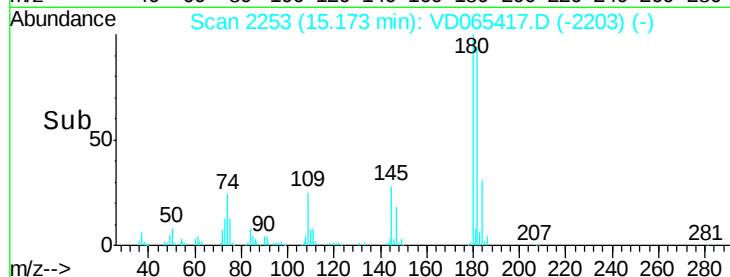
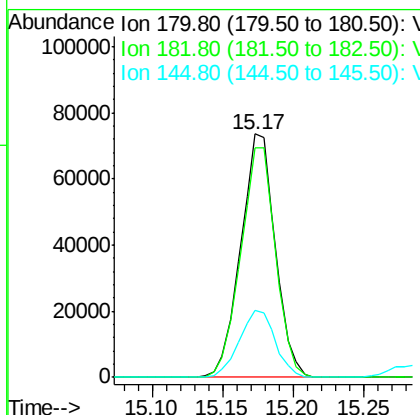
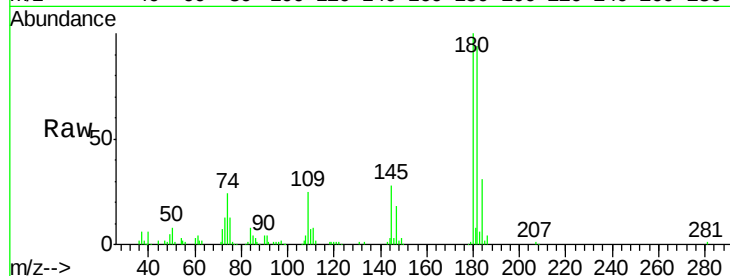
#93
 1,2,4-Trichlorobenzene
 Concen: 20.852 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065417.D
 Acq: 04 Mar 2020 18:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0304SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	126103		
182	95.4	48.3	144.9	
145	28.4	14.4	43.4	

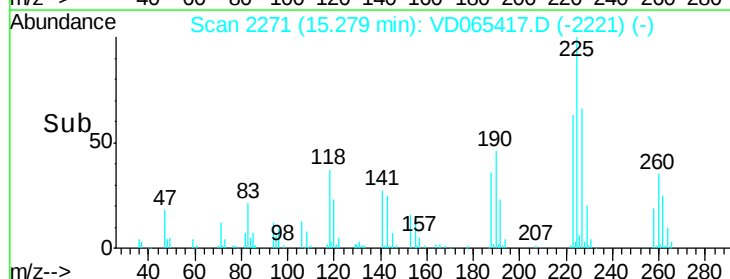
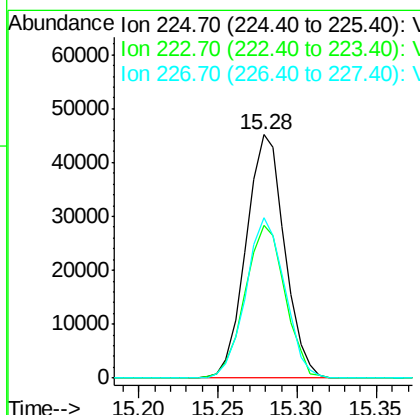
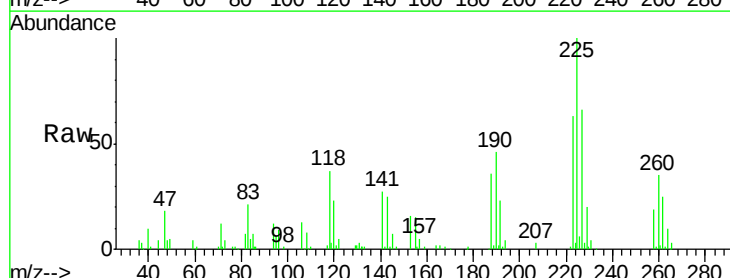
Manual Integrations
 APPROVED

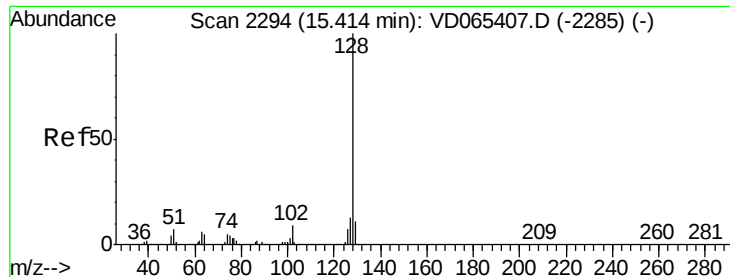
MMDadoda
 3/5/2020 1:39:10 PM



#94
 Hexachlorobutadiene
 Concen: 19.232 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: VD065417.D
 Acq: 04 Mar 2020 18:14

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	76418		
223	65.0	30.9	92.5	
227	66.1	31.6	94.7	





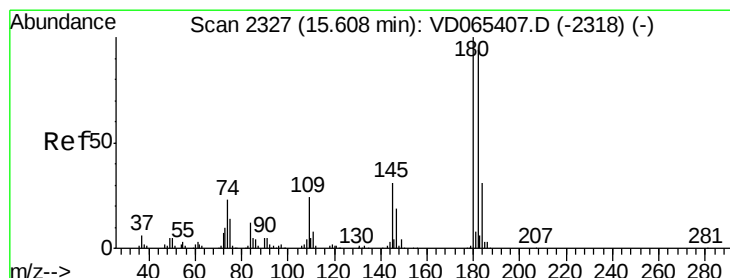
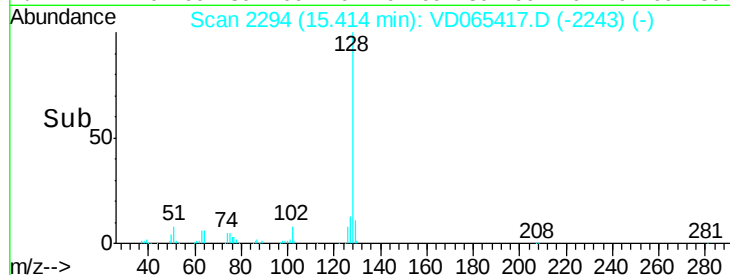
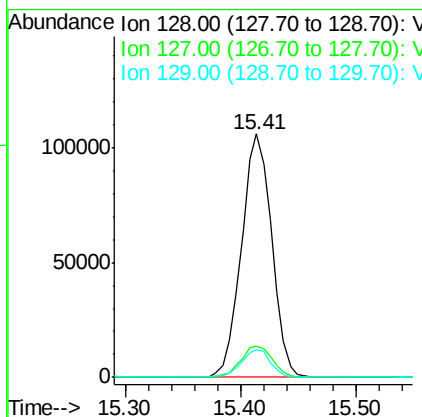
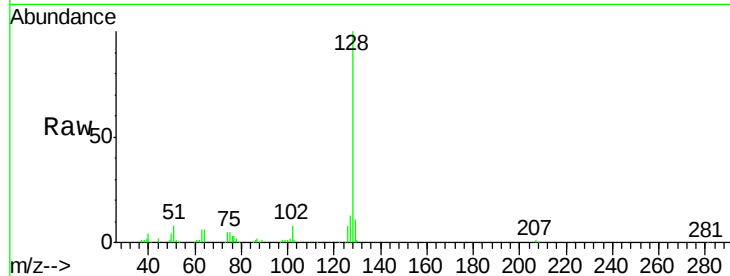
#95
Naphthalene
Concen: 20.779 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065417.D
Acq: 04 Mar 2020 18:14

Instrument :
MSVOA_D
ClientSampleId :
VD0304SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	193523		
127	13.5	10.6	16.0	
129	11.1	8.7	13.1	

Manual Integrations
APPROVED

MMDadoda
3/5/2020 1:39:10 PM



#96
1,2,3-Trichlorobenzene
Concen: 21.275 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065417.D
Acq: 04 Mar 2020 18:14

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	111179		
182	93.4	46.9	140.6	
145	29.9	15.0	45.1	

