

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031620\
 Data File : VD065511.D
 Acq On : 16 Mar 2020 14:20
 Operator : VA/SY
 Sample : VD0316SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0316SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/17/2020 12:09:53 PM

Quant Time: Mar 17 07:38:23 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	500082	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	719062	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	655916	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	333856	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	197725	46.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.18%	
35) Dibromofluoromethane	7.92	113	212867	47.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.74%	
50) Toluene-d8	10.34	98	822483	48.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.42%	
62) 4-Bromofluorobenzene	12.64	95	260104	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	84090	19.566	ug/l	98
3) Chloromethane	2.21	50	97903	18.868	ug/l	100
4) Vinyl Chloride	2.36	62	97931	19.135	ug/l	97
5) Bromomethane	2.77	94	67738	20.828	ug/l	99
6) Chloroethane	2.93	64	61220	19.531	ug/l	98
7) Trichlorofluoromethane	3.28	101	143910	19.083	ug/l	99
8) Diethyl Ether	3.71	74	43274	19.296	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	93928	19.339	ug/l	99
10) Methyl Iodide	4.30	142	95067	18.840	ug/l	97
11) Tert butyl alcohol	5.25	59	27182	110.471	ug/l	97
12) 1,1-Dichloroethene	4.06	96	85180	18.315	ug/l	99
13) Acrolein	3.93	56	28556	67.293	ug/l	99
14) Allyl chloride	4.71	41	129734	18.159	ug/l	99
15) Acrylonitrile	5.43	53	88454	90.662	ug/l	99
16) Acetone	4.16	43	78828	90.863	ug/l	95
17) Carbon Disulfide	4.40	76	280455	18.108	ug/l	97
18) Methyl Acetate	4.73	43	40988	18.625	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	166943	18.666	ug/l	97
20) Methylene Chloride	4.97	84	111876	21.797	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	98375	19.015	ug/l	99
22) Diisopropyl ether	6.37	45	261057	19.656	ug/l	98
23) Vinyl Acetate	6.31	43	676470	91.733	ug/l	99
24) 1,1-Dichloroethane	6.27	63	162987	19.133	ug/l	99
25) 2-Butanone	7.23	43	102958	86.965	ug/l	99
26) 2,2-Dichloropropane	7.21	77	144220	19.373	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	100312	18.969	ug/l	98
28) Bromochloromethane	7.56	49	67821	19.899	ug/l	99
29) Tetrahydrofuran	7.57	42	66766	88.308	ug/l	99
30) Chloroform	7.72	83	166142	19.513	ug/l	99
31) Cyclohexane	7.99	56	154463	18.133	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	151480	19.251	ug/l	97
36) 1,1-Dichloropropene	8.11	75	132988	19.294	ug/l	99
37) Ethyl Acetate	7.30	43	51476	19.322	ug/l	99
38) Carbon Tetrachloride	8.10	117	141453	19.791	ug/l	98

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Manual Integrations
 APPROVED

MMDadoda
 3/17/2020 12:09:53 PM

Quant Time: Mar 17 07:38:23 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)
39) Methylcyclohexane	9.36	83	151188	18.161	ug/l	92
40) Benzene	8.36	78	380559	19.747	ug/l	99
41) Methacrylonitrile	7.53	41	22515	15.980	ug/l	96
42) 1,2-Dichloroethane	8.43	62	101789	20.227	ug/l	99
43) Isopropyl Acetate	8.46	43	90204	18.337	ug/l	98
44) Trichloroethene	9.11	130	106494	19.567	ug/l	92
45) 1,2-Dichloropropane	9.39	63	93053	19.933	ug/l	99
46) Dibromomethane	9.48	93	47919	19.790	ug/l	97
47) Bromodichloromethane	9.67	83	127423	20.228	ug/l	98
48) Methyl methacrylate	9.46	41	45164	19.518	ug/l	93
49) 1,4-Dioxane	9.47	88	10169	367.144	ug/l #	90
51) 4-Methyl-2-Pentanone	10.23	43	235743	95.234	ug/l	99
52) Toluene	10.41	92	248462	20.466	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	115289	19.584	ug/l	97
54) cis-1,3-Dichloropropene	10.10	75	142399	19.984	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	68773	20.053	ug/l	100
56) Ethyl methacrylate	10.67	69	71012	18.367	ug/l	100
57) 1,3-Dichloropropane	10.95	76	114749	19.775	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	119319	100.062	ug/l	97
59) 2-Hexanone	10.99	43	154838	90.359	ug/l	98
60) Dibromochloromethane	11.14	129	89832	20.434	ug/l	99
61) 1,2-Dibromoethane	11.25	107	63444	19.394	ug/l	100
64) Tetrachloroethene	10.88	164	94653	20.139	ug/l	98
65) Chlorobenzene	11.67	112	259578	19.998	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	96384	20.389	ug/l	98
67) Ethyl Benzene	11.75	91	442878	19.747	ug/l	100
68) m/p-Xylenes	11.86	106	346912	40.115	ug/l	99
69) o-Xylene	12.18	106	147555	19.397	ug/l	98
70) Styrene	12.20	104	267156	19.955	ug/l	100
71) Bromoform	12.37	173	52787	19.880	ug/l #	100
73) Isopropylbenzene	12.48	105	405796	18.479	ug/l	100
74) N-amyl acetate	12.30	43	76454	17.006	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	71808	18.603	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	56097m	21.294	ug/l	
77) Bromobenzene	12.77	156	102906	18.862	ug/l	98
78) n-propylbenzene	12.83	91	499339	19.165	ug/l	100
79) 2-Chlorotoluene	12.91	91	280494	19.102	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	350316	19.405	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	21363	17.113	ug/l	93
82) 4-Chlorotoluene	13.01	91	301123	19.515	ug/l	100
83) tert-Butylbenzene	13.23	119	284592	18.634	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	342910	19.270	ug/l	99
85) sec-Butylbenzene	13.41	105	409764	18.796	ug/l	100
86) p-Isopropyltoluene	13.53	119	377643	18.983	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	203299	19.382	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	199584	19.128	ug/l	99
89) n-Butylbenzene	13.85	91	336713	18.308	ug/l	99
90) Hexachloroethane	14.12	117	78150	19.076	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	171416	19.204	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10381	17.659	ug/l	94

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ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0316SBS01

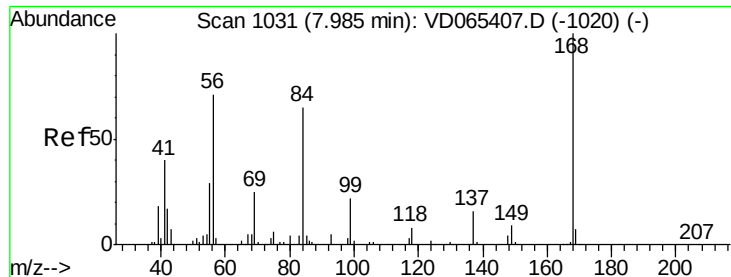
Manual Integrations
APPROVED

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3/17/2020 12:09:53 PM

Quant Time: Mar 17 07:38:23 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 05 01:22:07 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	112334	18.568	ug/l	100
94) Hexachlorobutadiene	15.28	225	75802	19.069	ug/l	98
95) Naphthalene	15.41	128	167290	18.554	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	99847	19.099	ug/l	98

(#) = 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: VD065511.D

Acq: 16 Mar 2020 14:20

Instrument :

MSVOA_D

ClientSampleId :

VD0316SBS01

Tot Ion:168 Resp: 500082

Ion Ratio Lower Upper

168 100

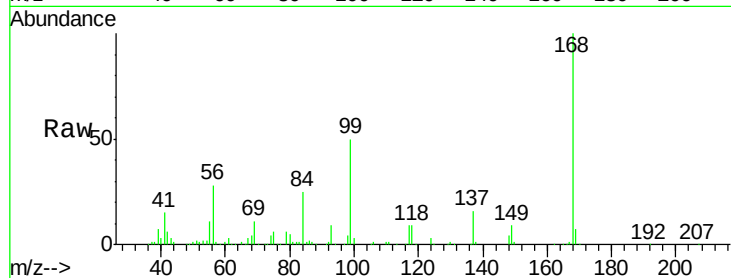
99 50.3 41.5 62.3

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

250000

200000

150000

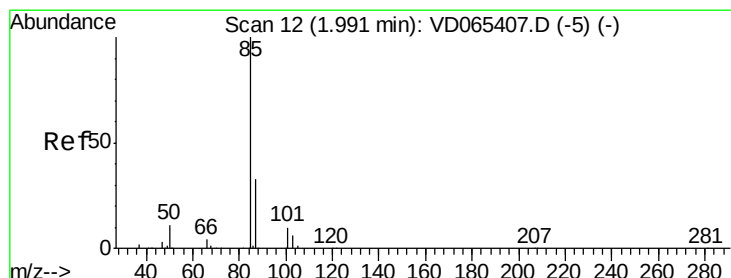
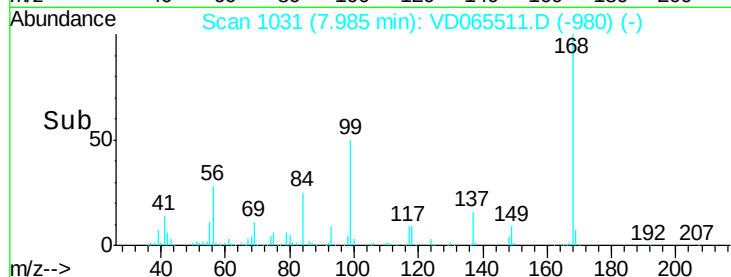
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 19.566 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065511.D

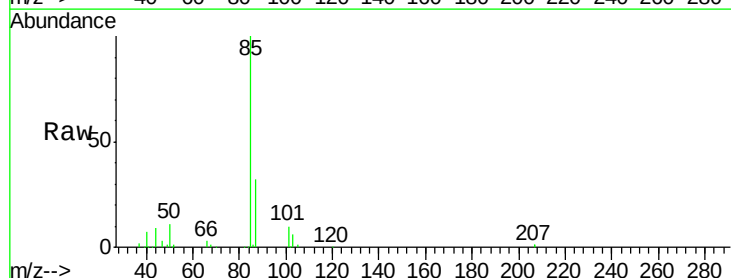
Acq: 16 Mar 2020 14:20

Tgt Ion: 85 Resp: 84090

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

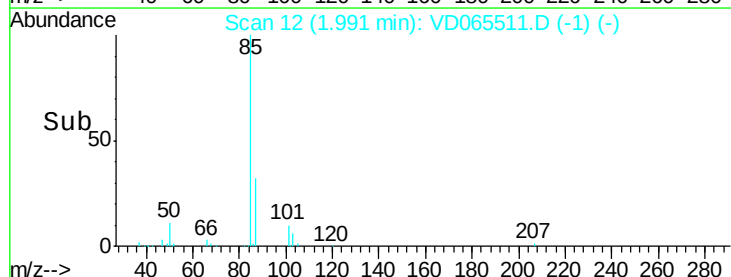
40000

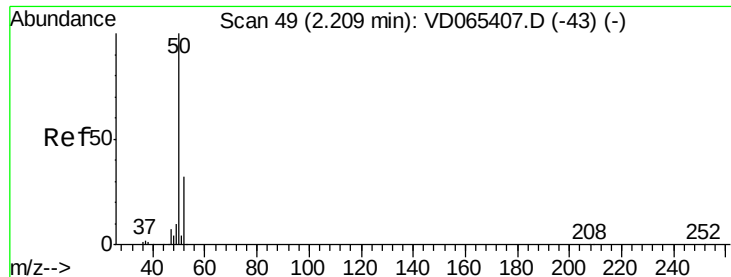
20000

0

1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 18.868 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065511.D

Acq: 16 Mar 2020 14:20

Instrument :

MSVOA_D

ClientSampleId :

VD0316SBS01

Tot Ion: 50 Resp: 97903

Ion Ratio Lower Upper

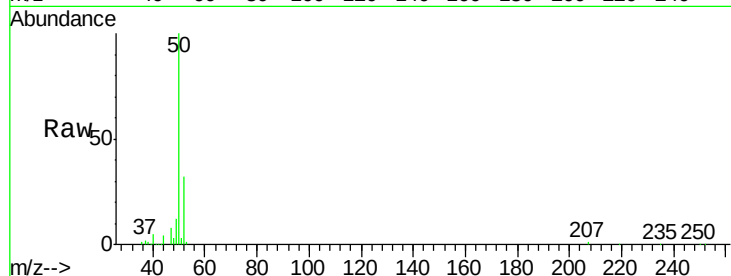
50 100

52 32.0 25.8 38.8

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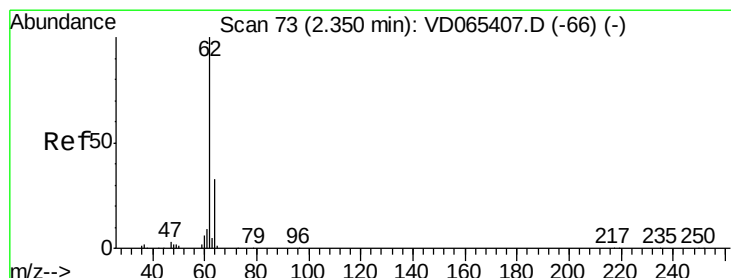
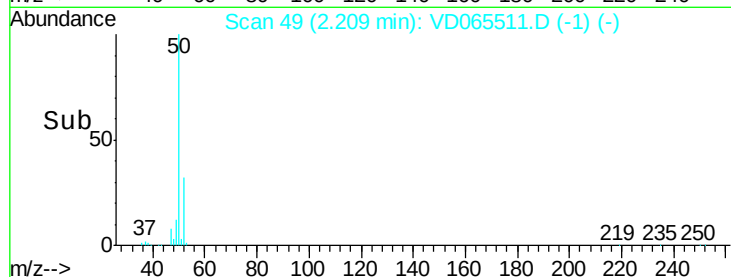
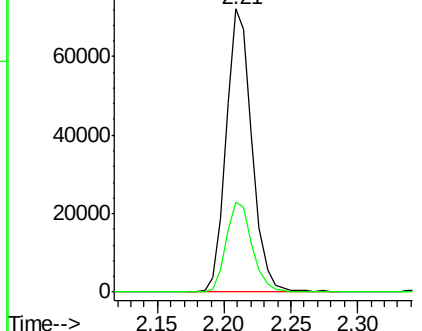
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.135 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD065511.D

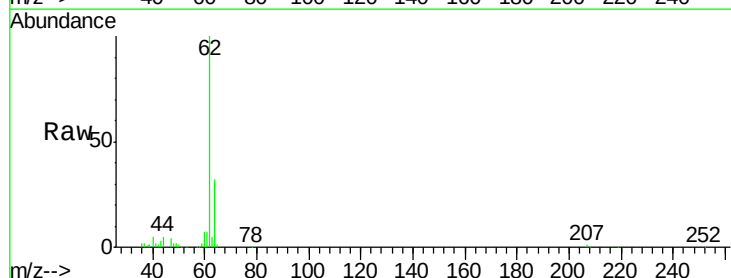
Acq: 16 Mar 2020 14:20

Tgt Ion: 62 Resp: 97931

Ion Ratio Lower Upper

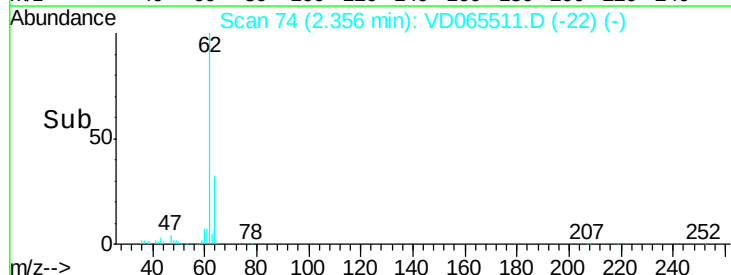
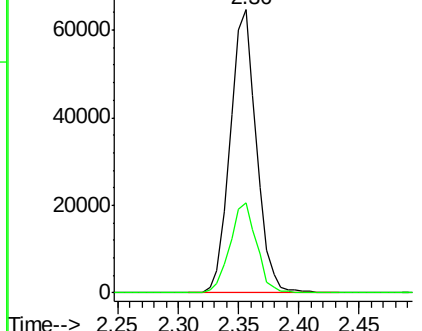
62 100

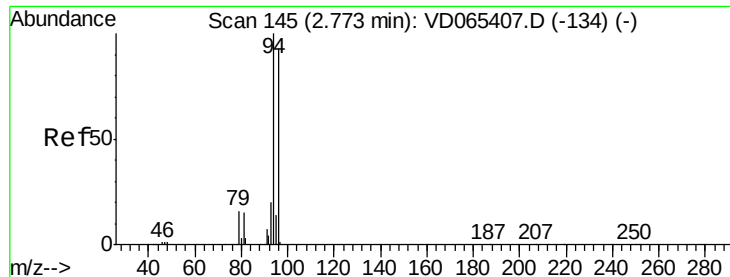
64 31.7 26.6 39.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 20.828 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD065511.D

Acq: 16 Mar 2020 14:20

Instrument :

MSVOA_D

ClientSampleId :

VD0316SBS01

Tot Ion: 94 Resp: 67738

Ion Ratio Lower Upper

94 100

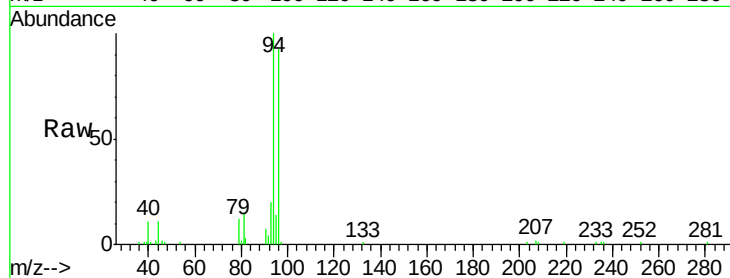
96 92.1 74.4 111.6

Manual Integrations

APPROVED

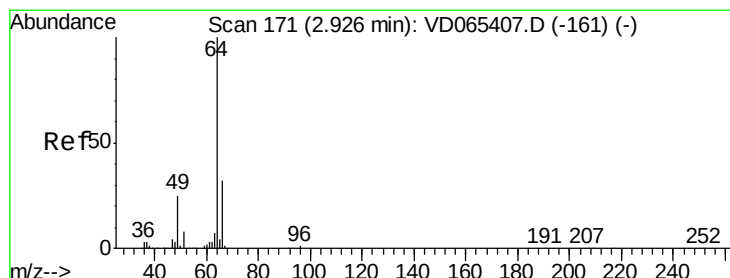
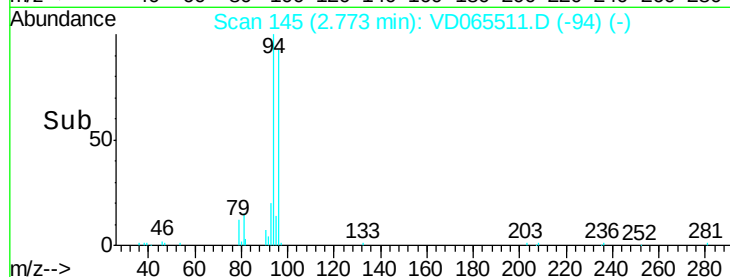
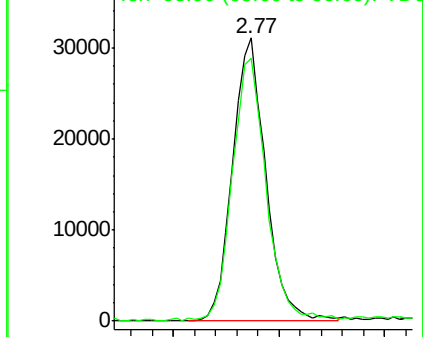
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 19.531 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD065511.D

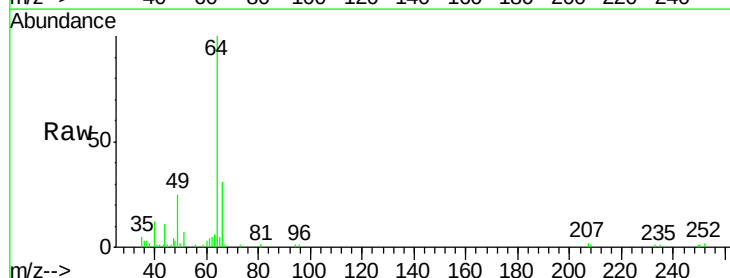
Acq: 16 Mar 2020 14:20

Tgt Ion: 64 Resp: 61220

Ion Ratio Lower Upper

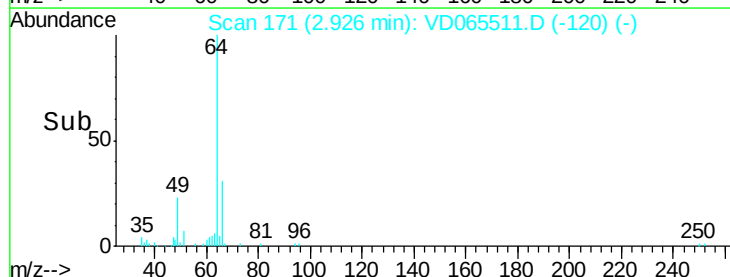
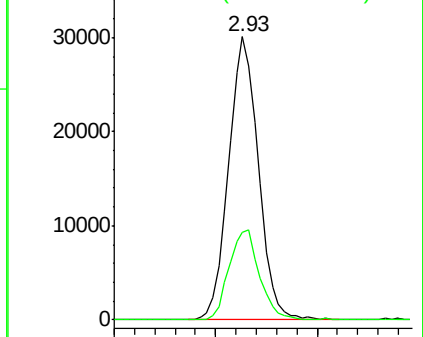
64 100

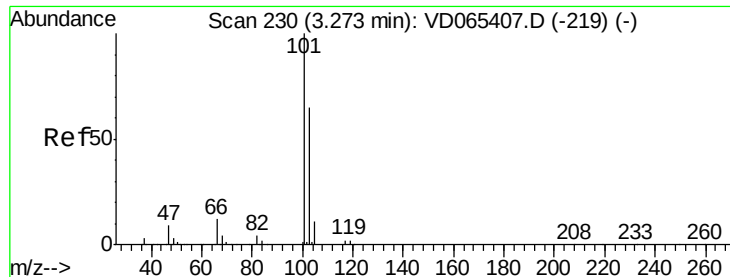
66 31.1 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

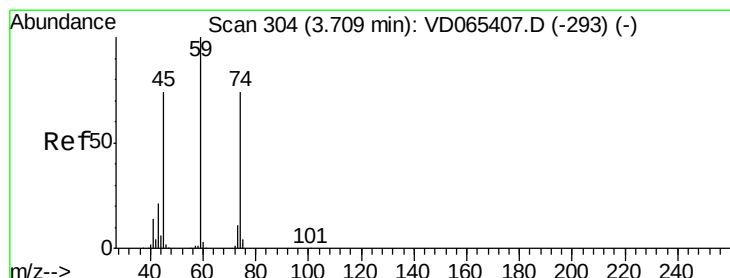
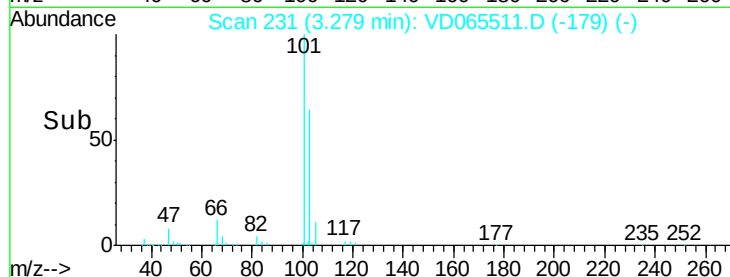
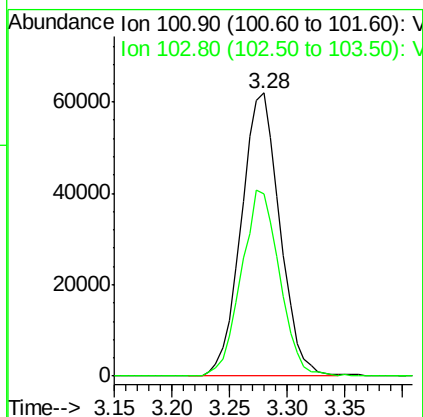
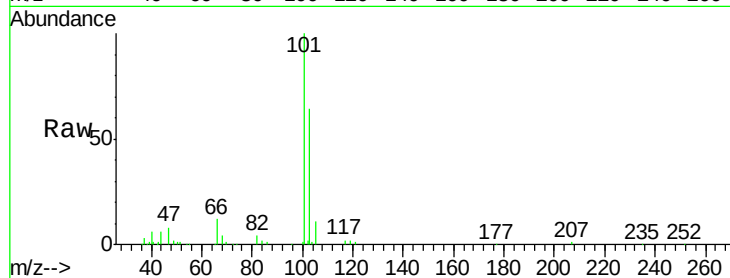
Trichlorofluoromethane
 Concen: 19.083 ug/l
 RT: 3.28 min Scan# 231
 Delta R.T. 0.01 min
 Lab File: VD065511.D
 Acq: 16 Mar 2020 14:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0316SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	52.1	78.1

Manual Integrations
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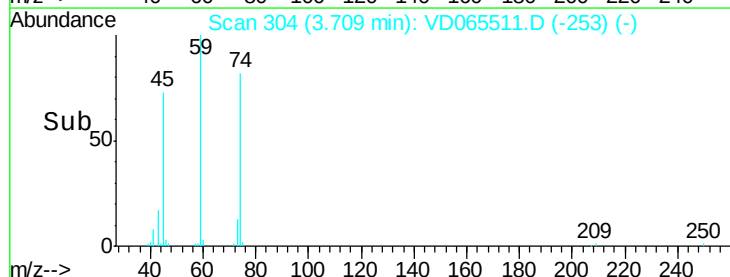
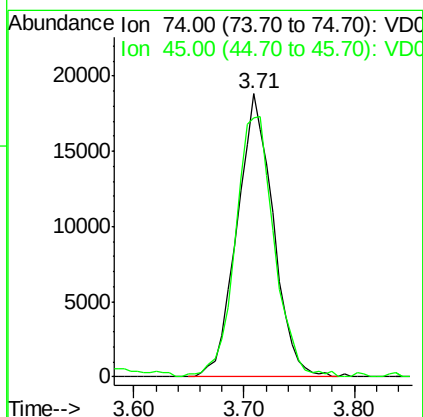
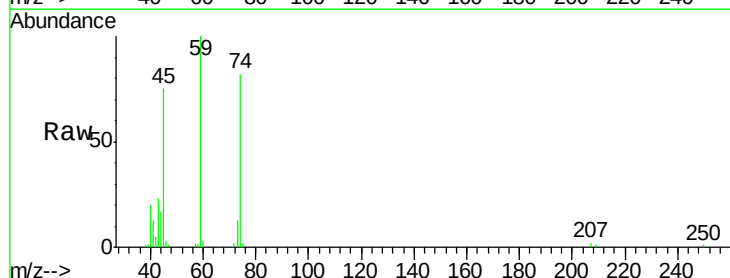
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 3/17/2020 12:09:53 PM

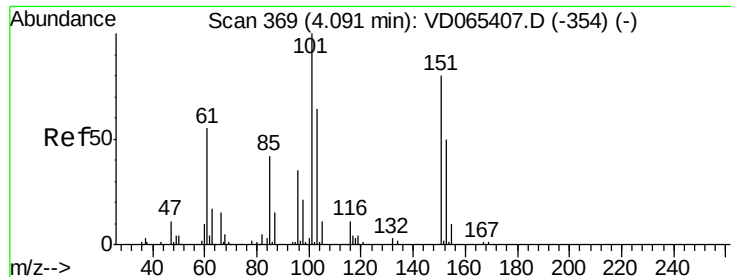


#8

Diethyl Ether
 Concen: 19.296 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD065511.D
 Acq: 16 Mar 2020 14:20

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.2	49.5	148.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.339 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD065511.D

Acq: 16 Mar 2020 14:20

Instrument :

MSVOA_D

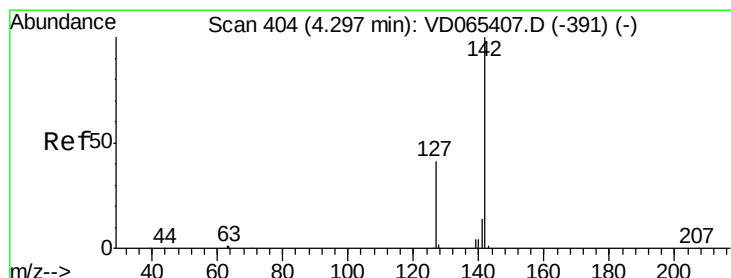
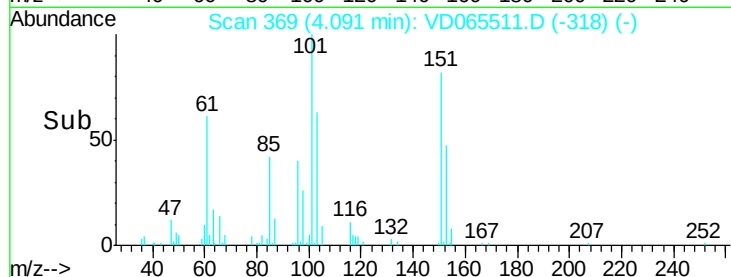
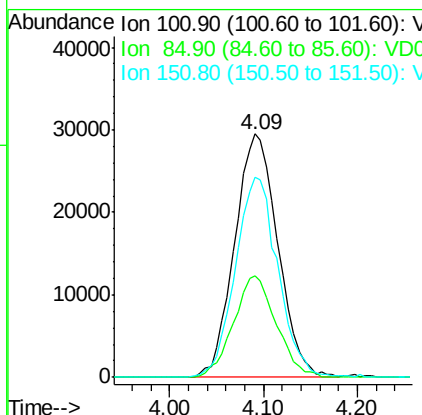
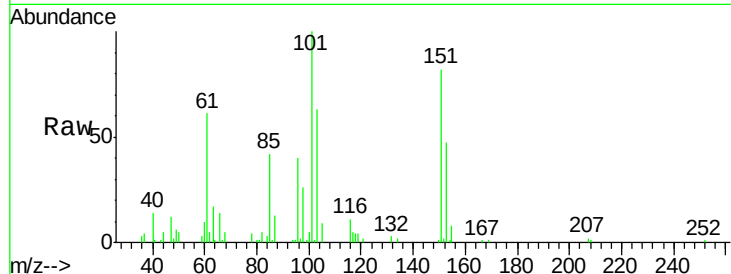
ClientSampleId :

VD0316SBS01

Tot Ion:	101	Resp:	93928
Ion Ratio	Lower	Upper	
101	100		
85	41.2	34.2	51.2
151	81.3	65.1	97.7

Manual Integrations
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#10

Methyl Iodide

Concen: 18.840 ug/l

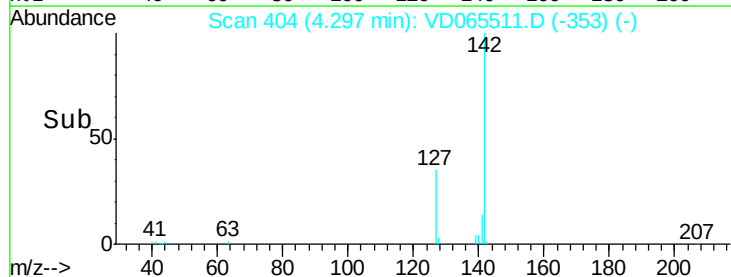
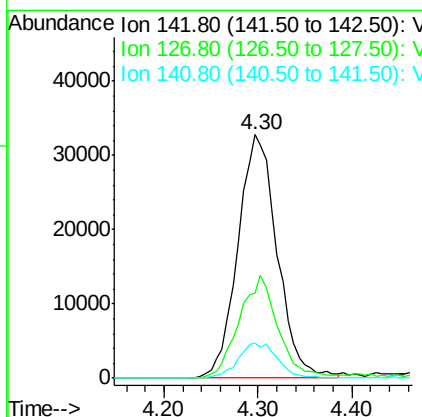
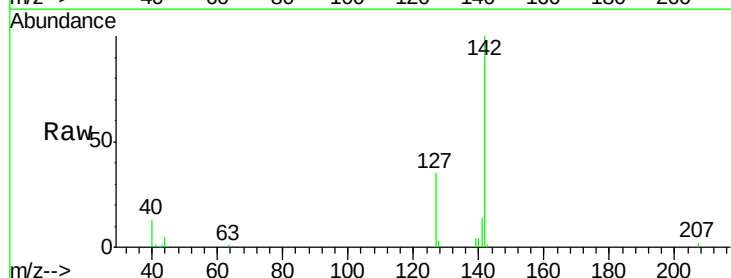
RT: 4.30 min Scan# 404

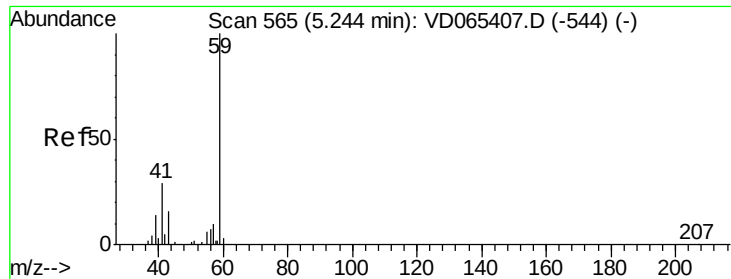
Delta R.T. 0.00 min

Lab File: VD065511.D

Acq: 16 Mar 2020 14:20

Tgt Ion:	142	Resp:	95067
Ion Ratio	Lower	Upper	
142	100		
127	41.7	35.0	52.6
141	14.3	12.4	18.6





#11

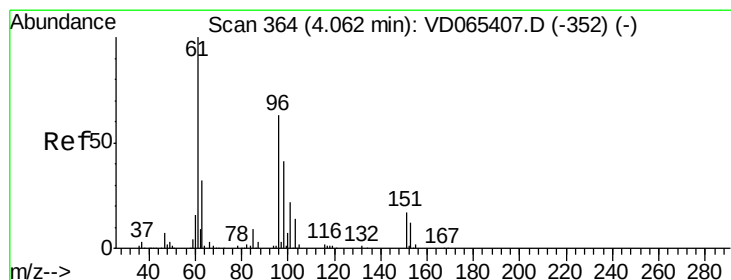
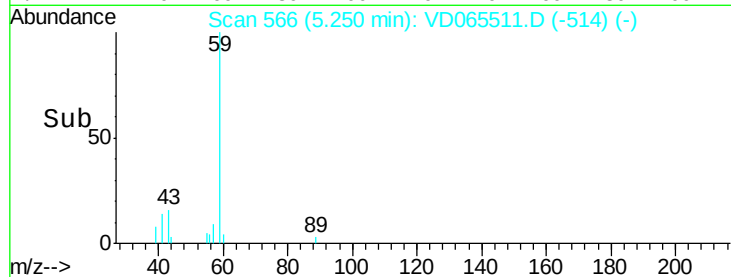
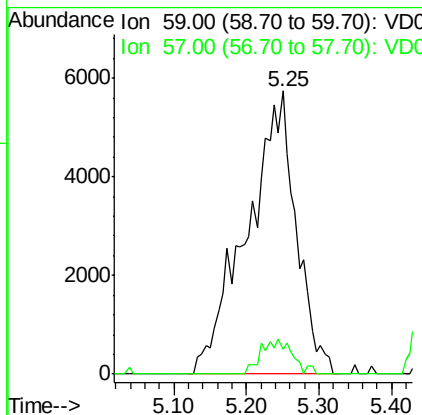
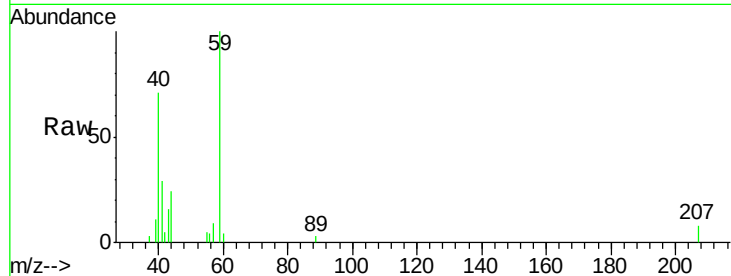
Tert butyl alcohol
Concen: 110.471 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.01 min
Lab File: VD065511.D
Acq: 16 Mar 2020 14:20

Instrument :
MSVOA_D
ClientSampleId :
VD0316SBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	27182		
57	7.5		6.9	10.3

Manual Integrations
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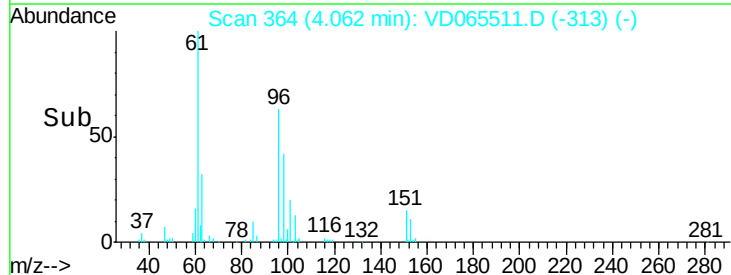
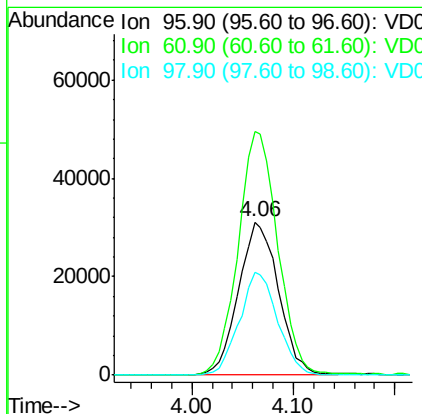
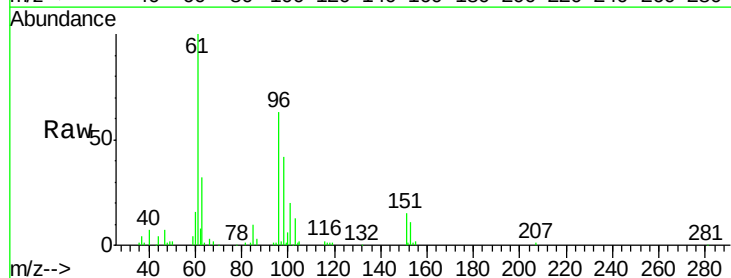
MMDadoda
3/17/2020 12:09:53 PM

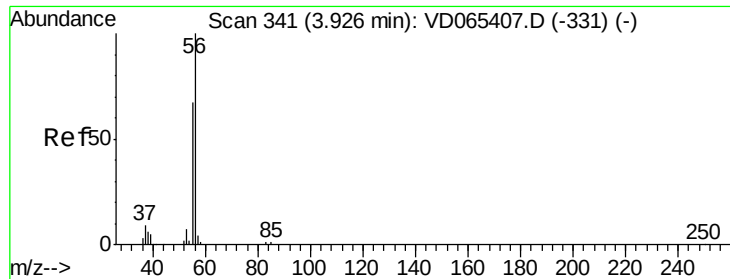


#12

1,1-Dichloroethene
Concen: 18.315 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD065511.D
Acq: 16 Mar 2020 14:20

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	85180		
61	159.2		128.0	192.0
98	67.1		51.9	77.9





#13

Acrolein

Concen: 67.293 ug/l

RT: 3.93 min Scan# 342

Delta R.T. 0.01 min

Lab File: VD065511.D

Acq: 16 Mar 2020 14:20

Instrument :

MSVOA_D

ClientSampleId :

VD0316SBS01

Tot Ion: 56 Resp: 28556

Ion Ratio Lower Upper

56 100

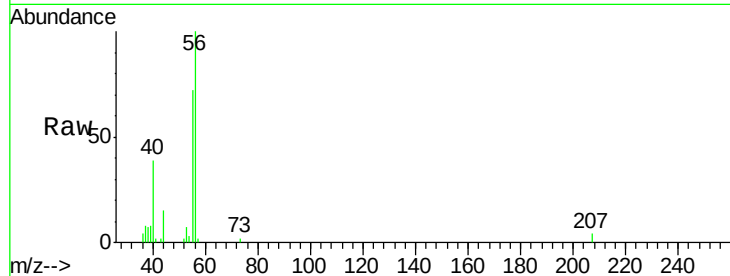
55 71.8 56.6 85.0

Manual Integrations

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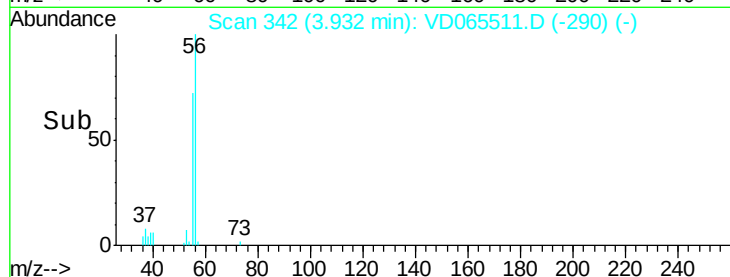


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.93

Time-->



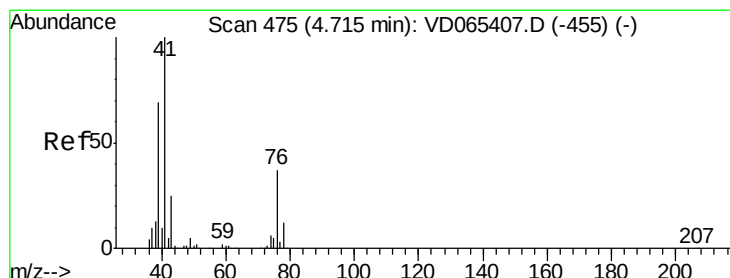
Abundance

Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.93

Time-->



#14

Allyl chloride

Concen: 18.159 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD065511.D

Acq: 16 Mar 2020 14:20

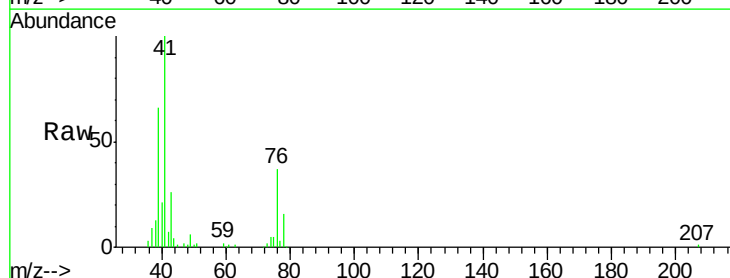
Tgt Ion: 41 Resp: 129734

Ion Ratio Lower Upper

41 100

39 65.7 52.6 79.0

76 37.5 29.2 43.8



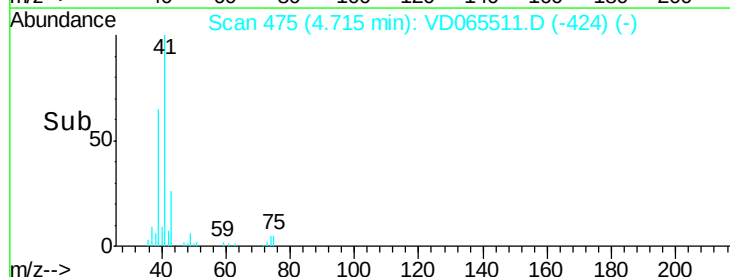
Abundance Ion 41.00 (40.70 to 41.70): VDC

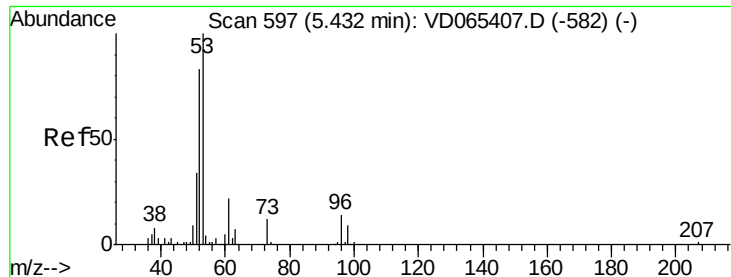
Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

4.71

Time-->





#15

Acrylonitrile

Concen: 90.662 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD065511.D

Acq: 16 Mar 2020 14:20

Instrument :

MSVOA_D

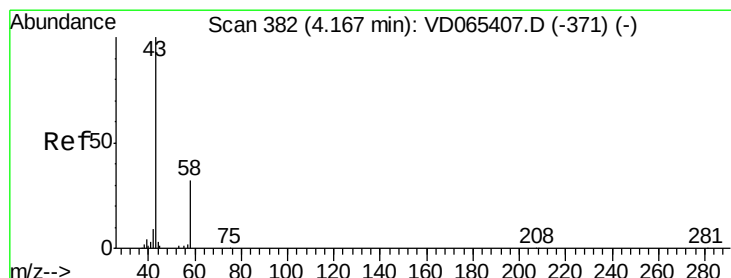
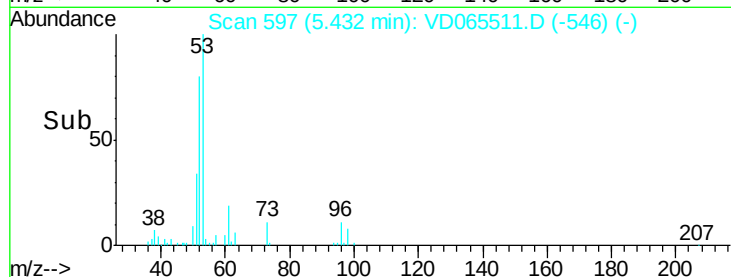
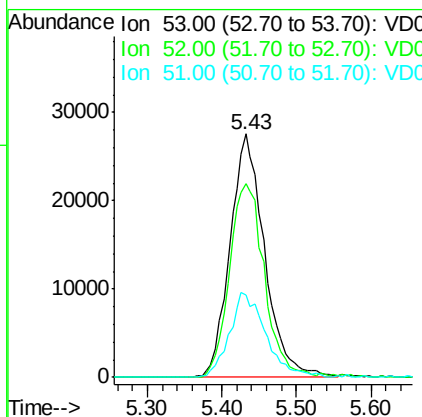
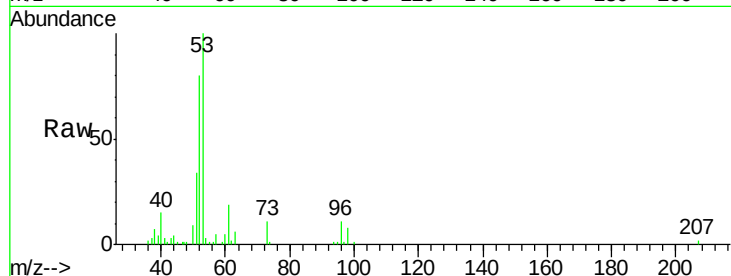
ClientSampleId :

VD0316SBS01

Tot Ion:	53	Resp:	88454
Ion Ratio	Lower	Upper	
53	100		
52	80.4	65.1	97.7
51	36.7	28.5	42.7

Manual Integrations
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#16

Acetone

Concen: 90.863 ug/l

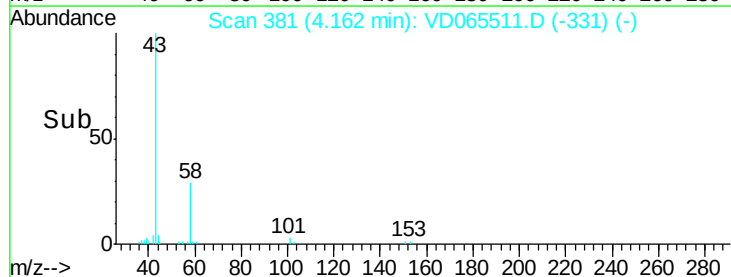
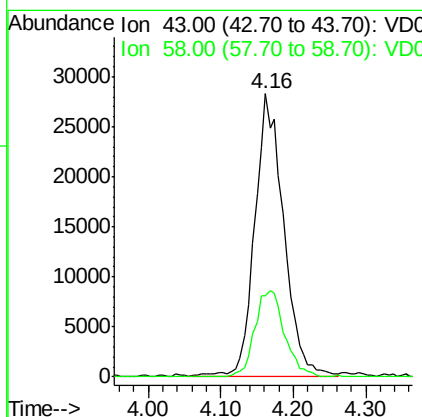
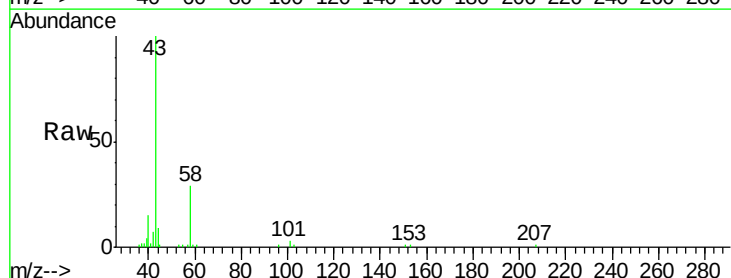
RT: 4.16 min Scan# 381

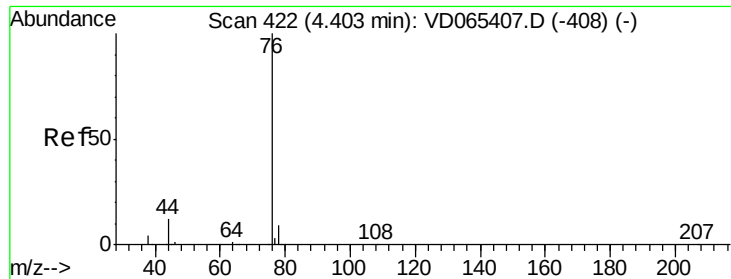
Delta R.T. -0.01 min

Lab File: VD065511.D

Acq: 16 Mar 2020 14:20

Tgt Ion:	43	Resp:	78828
Ion Ratio	Lower	Upper	
43	100		
58	28.6	25.1	37.7





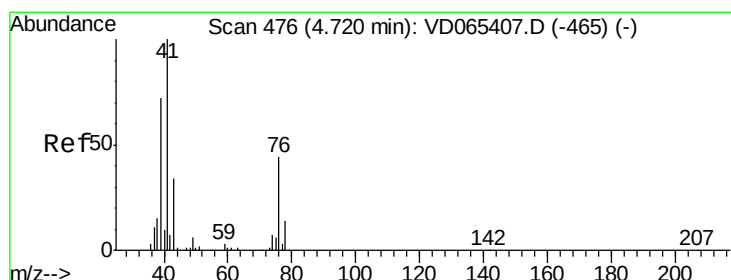
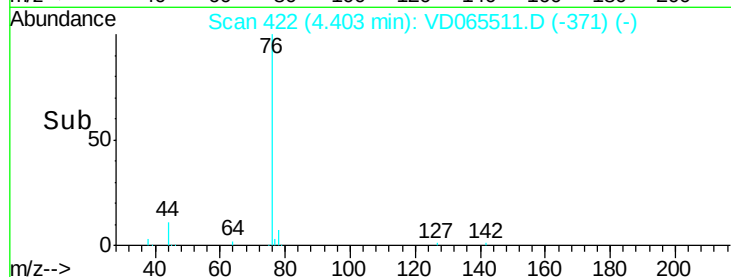
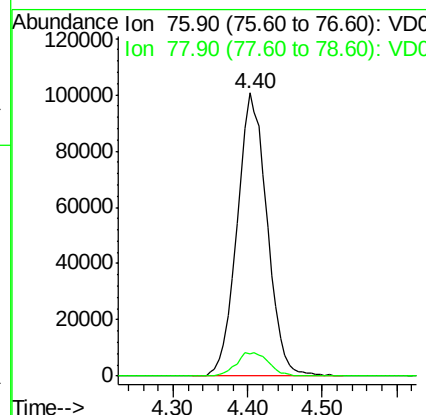
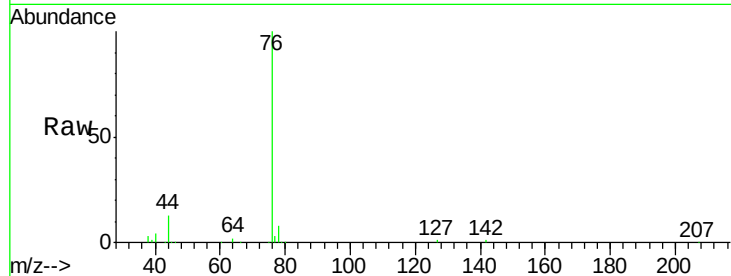
#17
Carbon Disulfide
Concen: 18.108 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.00 min
Lab File: VD065511.D
Acq: 16 Mar 2020 14:20

Instrument :
MSVOA_D
ClientSampleId :
VD0316SBS01

Tot Ion	Ratio	Resp	Lower	Upper
76	100	280455		
78	8.1		7.4	11.0

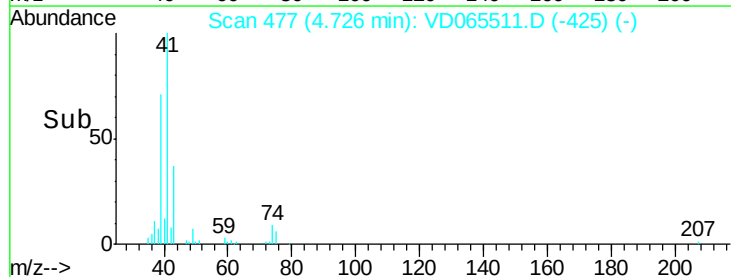
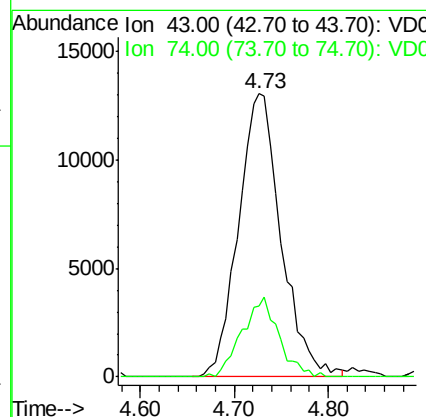
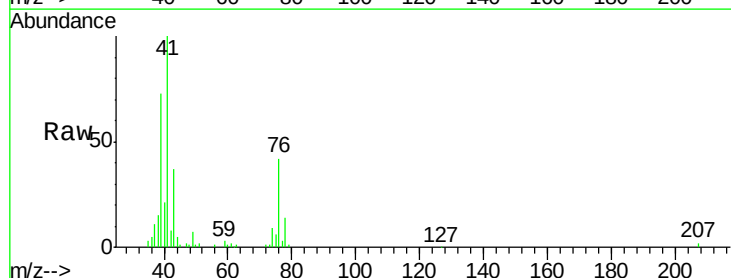
Manual Integrations
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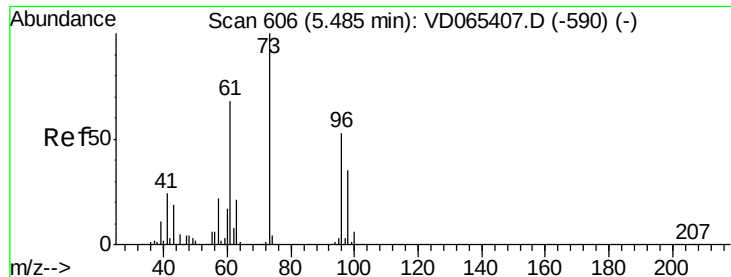
MMDadoda
3/17/2020 12:09:53 PM



#18
Methyl Acetate
Concen: 18.625 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD065511.D
Acq: 16 Mar 2020 14:20

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	40988		
74	24.3		19.6	29.4





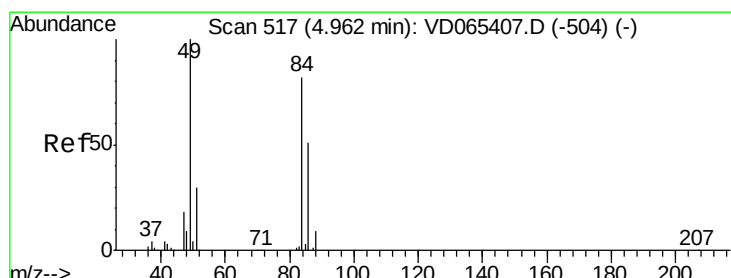
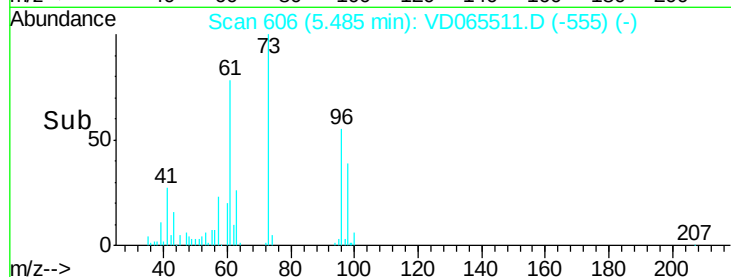
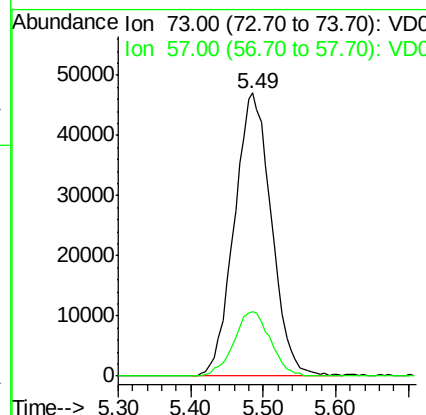
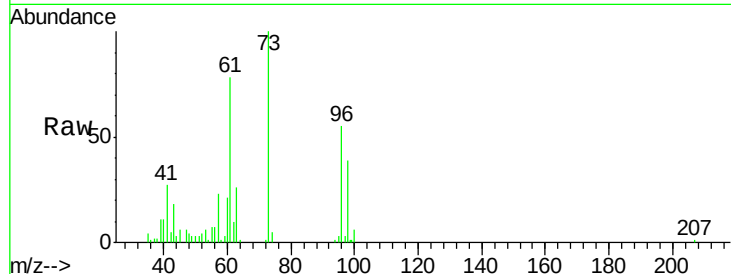
#19
Methyl tert-butyl Ether
Concen: 18.666 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD065511.D
Acq: 16 Mar 2020 14:20

Instrument :
MSVOA_D
ClientSampleId :
VD0316SBS01

Tot Ion: 73 Resp: 166943
Ion Ratio Lower Upper
73 100
57 22.9 17.3 25.9

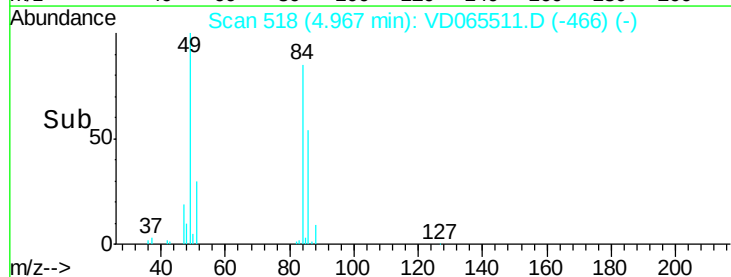
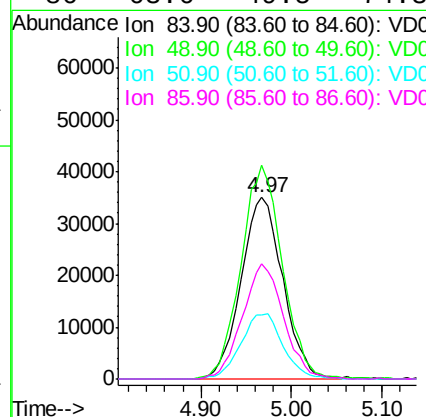
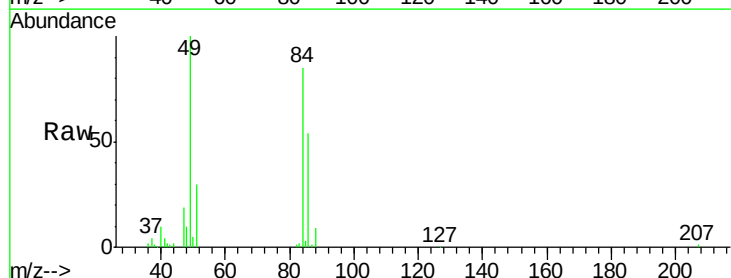
Manual Integrations
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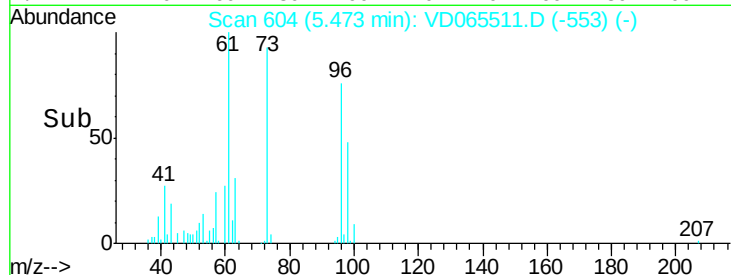
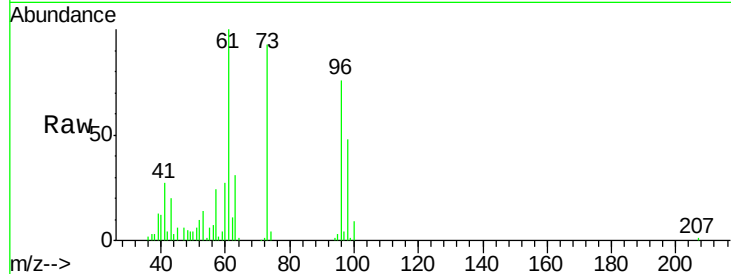
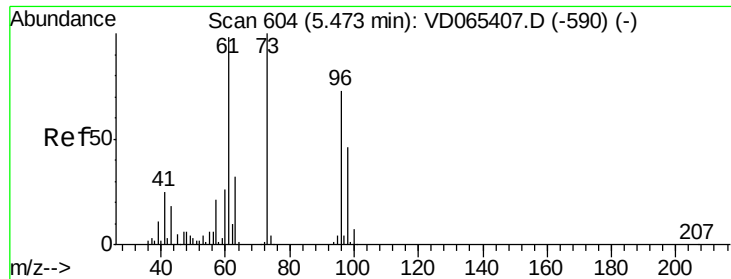
MMDadoda
3/17/2020 12:09:53 PM



#20
Methylene Chloride
Concen: 21.797 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD065511.D
Acq: 16 Mar 2020 14:20

Tgt Ion: 84 Resp: 111876
Ion Ratio Lower Upper
84 100
49 117.6 97.7 146.5
51 35.5 28.8 43.2
86 63.6 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 19.015 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD065511.D

Acq: 16 Mar 2020 14:20

Tot Ion:	96	Resp:	98375
Ion	Ratio	Lower	Upper
96	100		
61	130.7	106.3	159.5
98	62.8	50.2	75.4

Instrument :

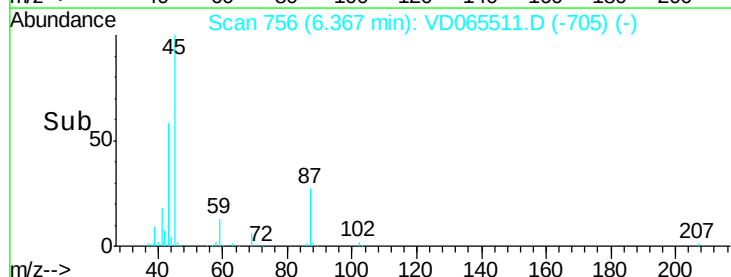
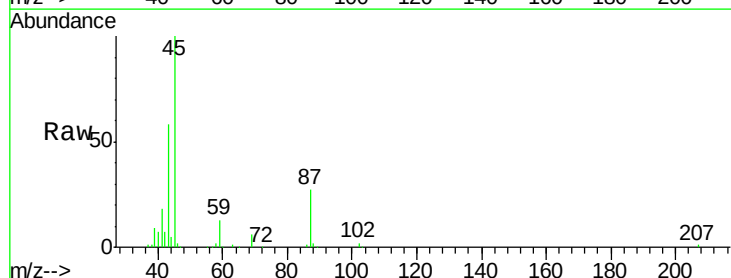
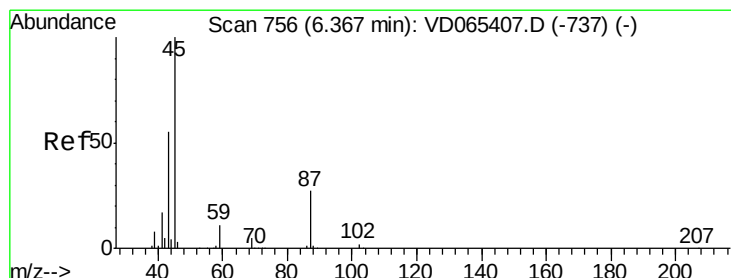
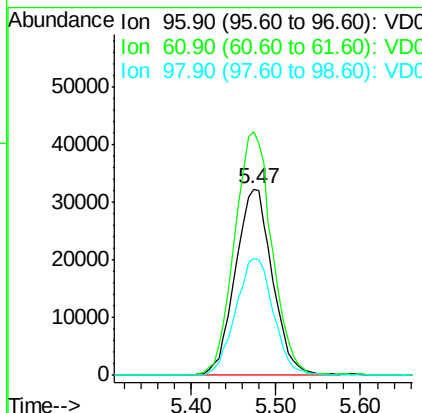
MSVOA_D

ClientSampleId :

VD0316SBS01

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.656 ug/l

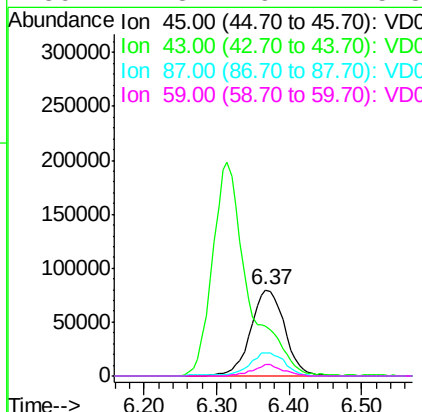
RT: 6.37 min Scan# 756

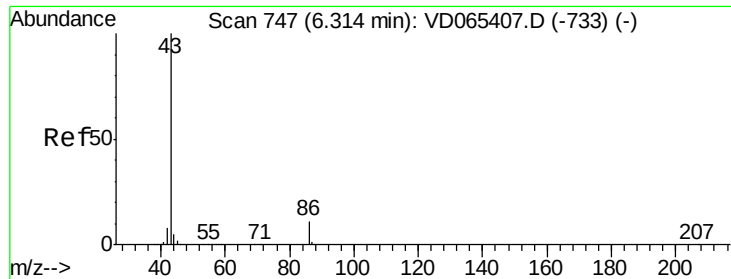
Delta R.T. 0.00 min

Lab File: VD065511.D

Acq: 16 Mar 2020 14:20

Tgt Ion:	45	Resp:	261057
Ion	Ratio	Lower	Upper
45	100		
43	57.1	44.4	66.6
87	26.5	21.9	32.9
59	12.8	9.2	13.8





#23

Vinyl Acetate

Concen: 91.733 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD065511.D

Acq: 16 Mar 2020 14:20

Instrument :

MSVOA_D

ClientSampleId :

VD0316SBS01

Tot Ion: 43 Resp: 676470

Ion Ratio Lower Upper

43 100

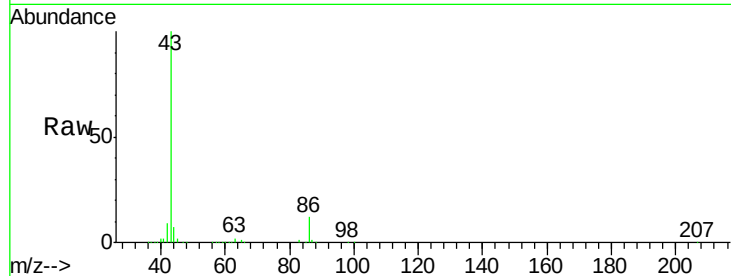
86 11.6 8.9 13.3

Manual Integrations

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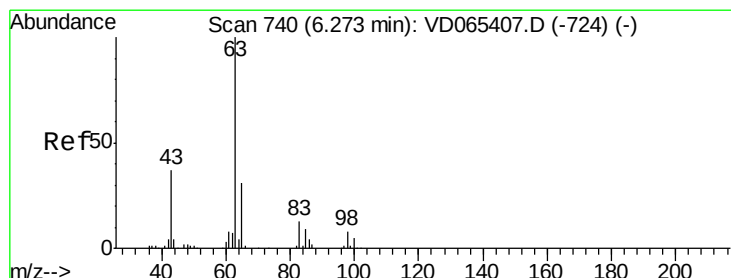
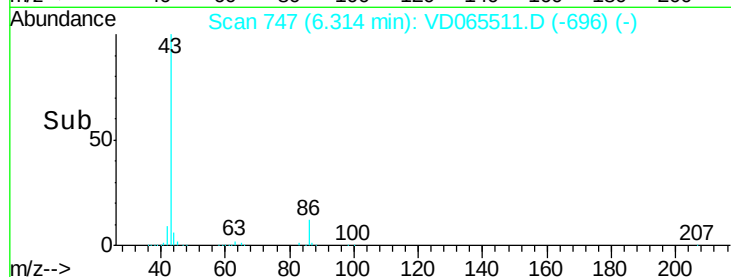
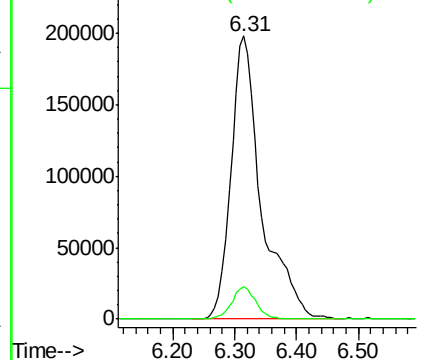
MMDadoda

3/17/2020 12:09:53 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 19.133 ug/l

RT: 6.27 min Scan# 740

Delta R.T. 0.00 min

Lab File: VD065511.D

Acq: 16 Mar 2020 14:20

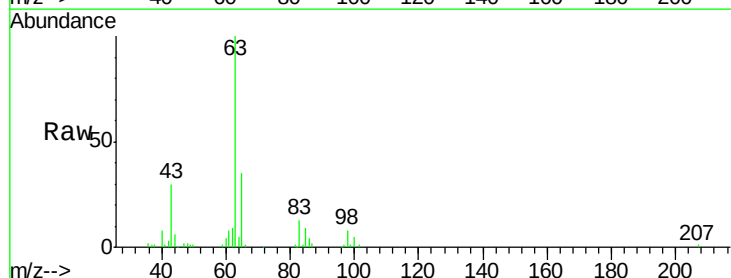
Tgt Ion: 63 Resp: 162987

Ion Ratio Lower Upper

63 100

98 7.9 4.2 12.6

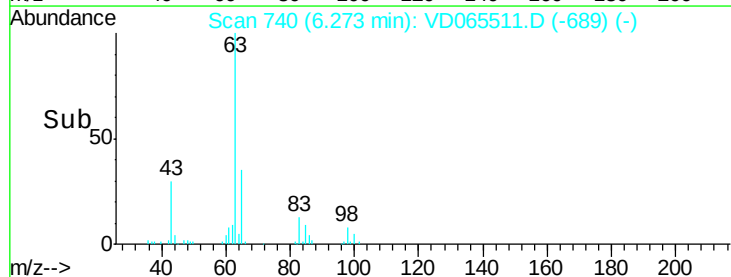
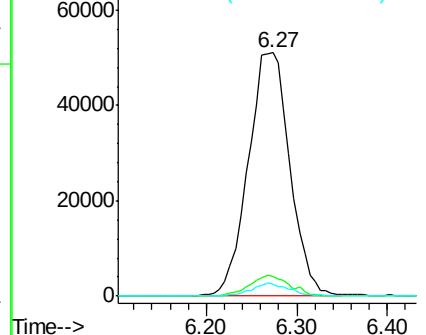
100 4.7 2.4 7.2

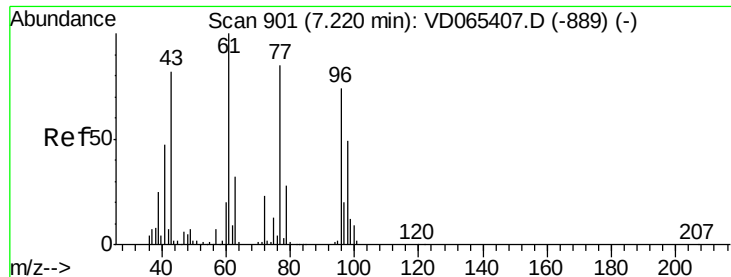


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





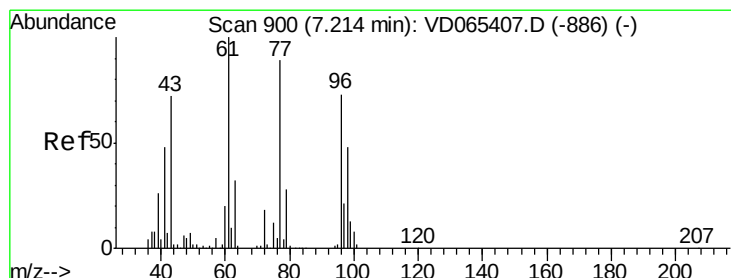
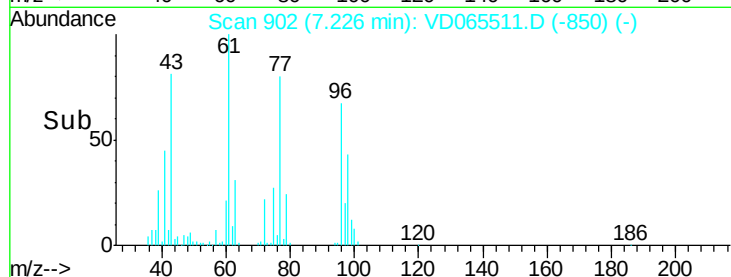
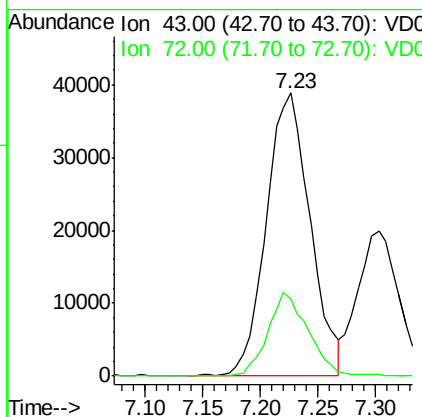
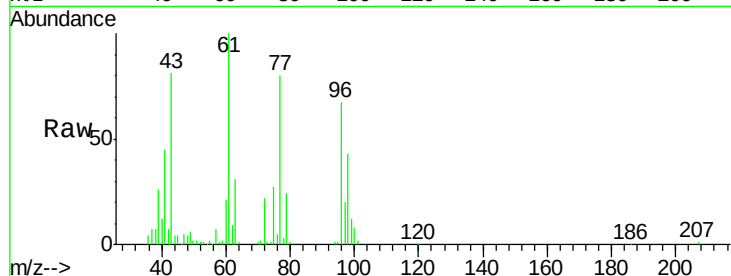
#25
2-Butanone
Concen: 86.965 ug/l
RT: 7.23 min Scan# 902
Delta R.T. 0.01 min
Lab File: VD065511.D
Acq: 16 Mar 2020 14:20

Instrument :
MSVOA_D
ClientSampleId :
VD0316SBS01

Tot Ion: 43 Resp: 102958
Ion Ratio Lower Upper
43 100
72 27.2 22.3 33.5

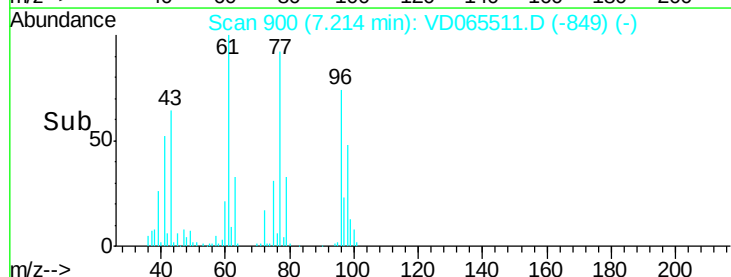
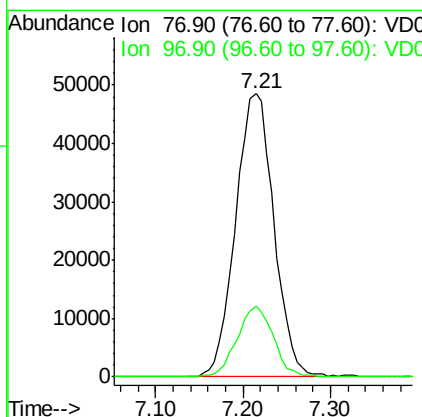
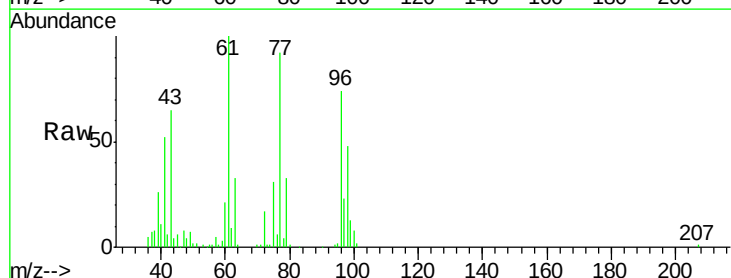
Manual Integrations
APPROVED

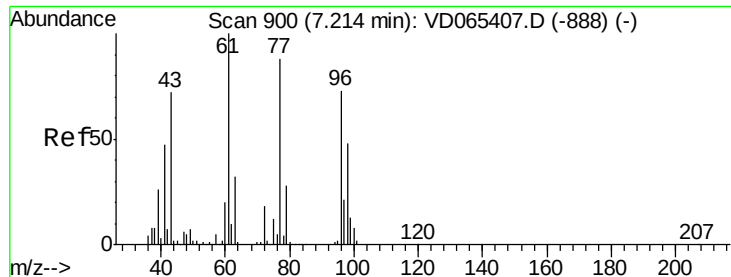
MMDadoda
3/17/2020 12:09:53 PM



#26
2,2-Dichloropropane
Concen: 19.373 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD065511.D
Acq: 16 Mar 2020 14:20

Tgt Ion: 77 Resp: 144220
Ion Ratio Lower Upper
77 100
97 23.4 11.8 35.4





#27

cis-1,2-Dichloroethene

Concen: 18.969 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065511.D

Acq: 16 Mar 2020 14:20

Instrument :

MSVOA_D

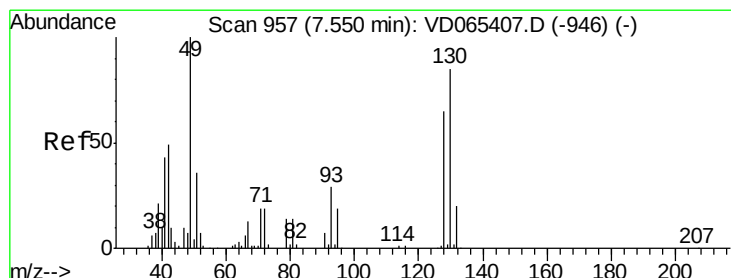
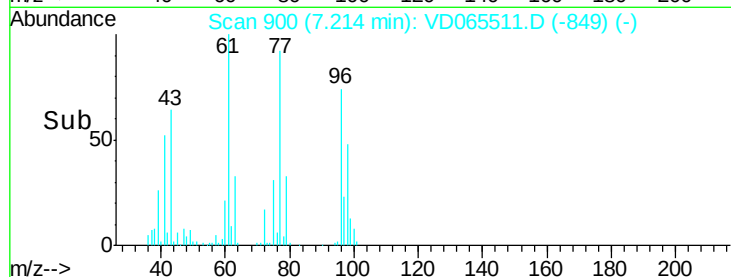
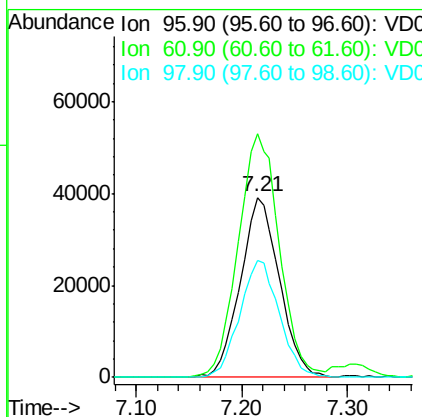
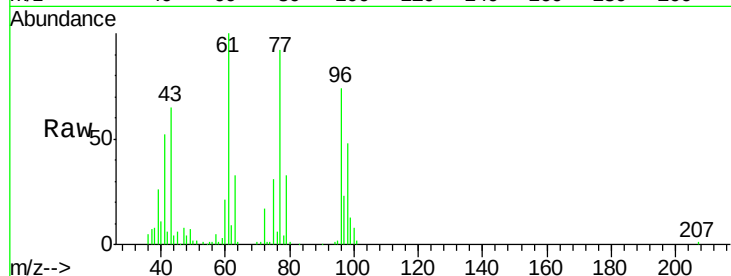
ClientSampleId :

VD0316SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.9	0.0	280.4
98	65.6	0.0	132.6

Manual Integrations
APPROVED

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3/17/2020 12:09:53 PM



#28

Bromochloromethane

Concen: 19.899 ug/l

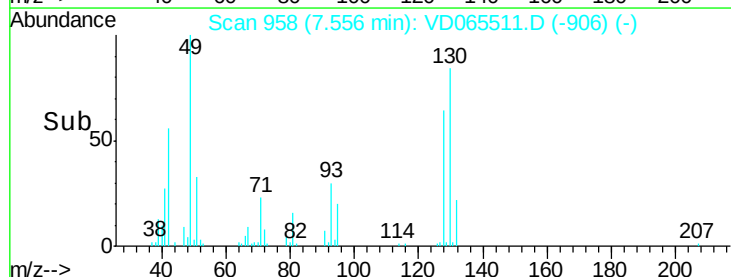
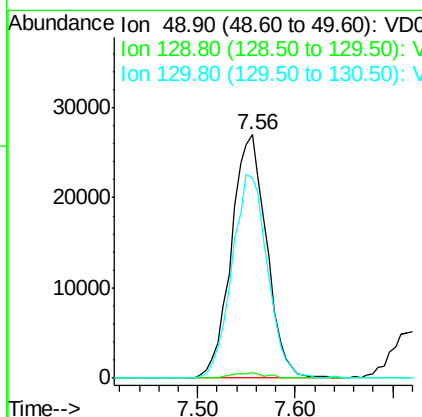
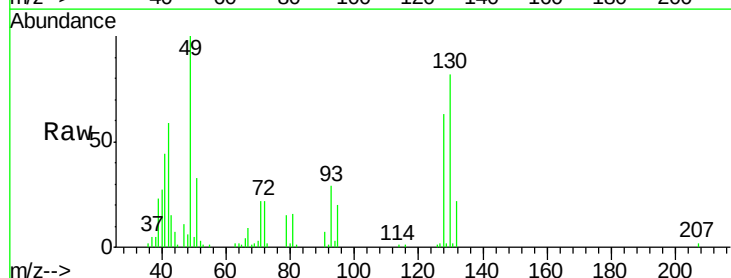
RT: 7.56 min Scan# 958

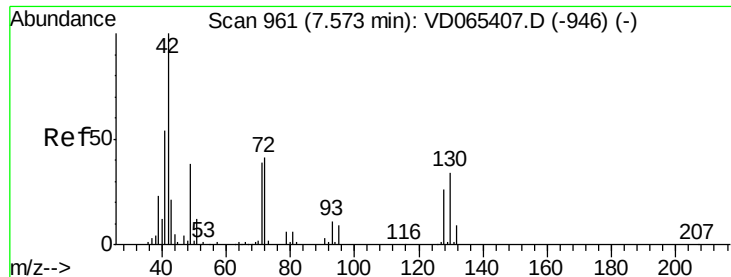
Delta R.T. 0.01 min

Lab File: VD065511.D

Acq: 16 Mar 2020 14:20

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.6
130	84.2	66.6	100.0





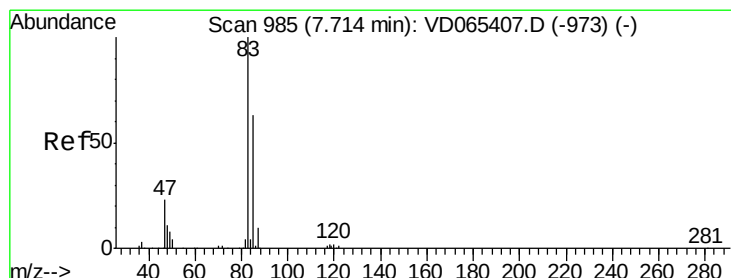
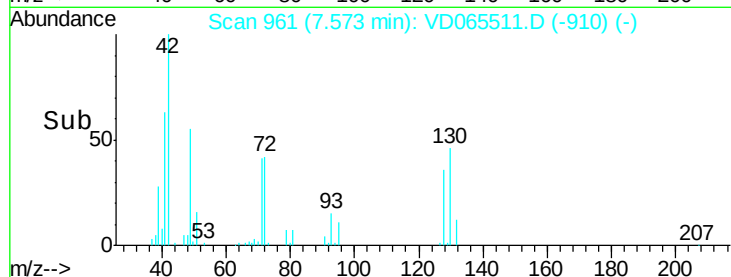
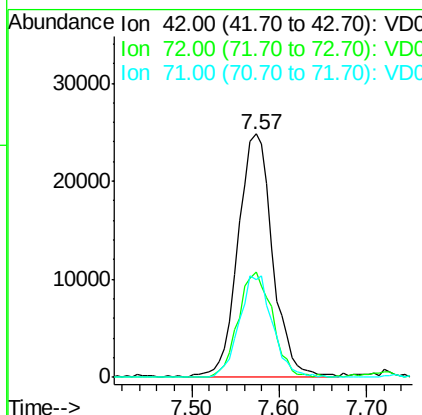
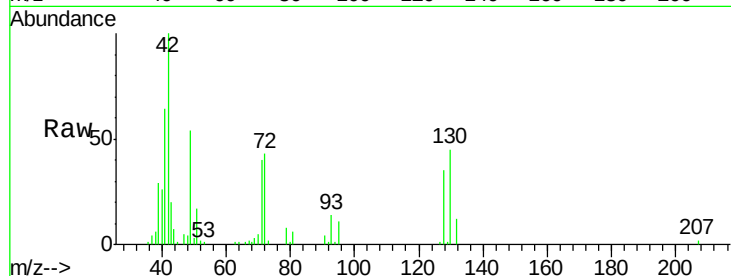
#29
Tetrahydrofuran
Concen: 88.308 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD065511.D
Acq: 16 Mar 2020 14:20

Instrument :
MSVOA_D
ClientSampleId :
VD0316SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.5	33.0	49.6
71	39.9	32.0	48.0

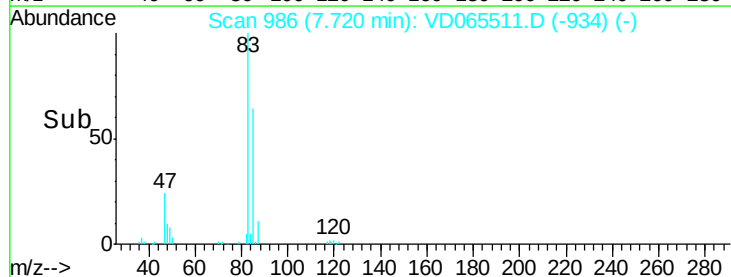
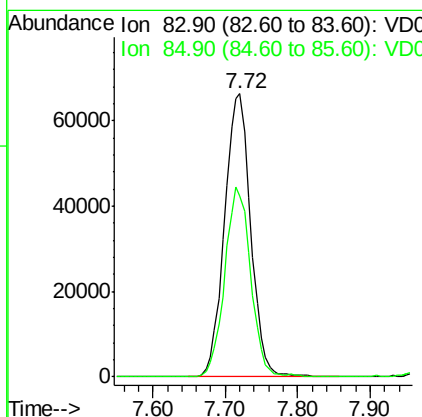
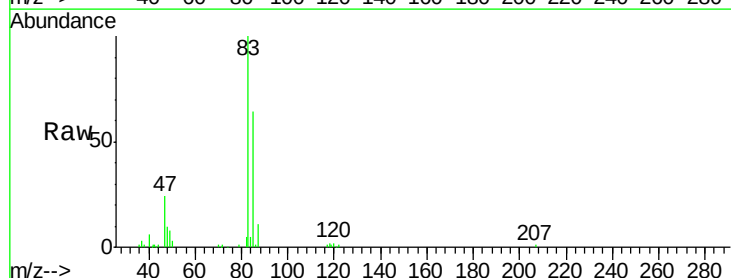
Manual Integrations
APPROVED

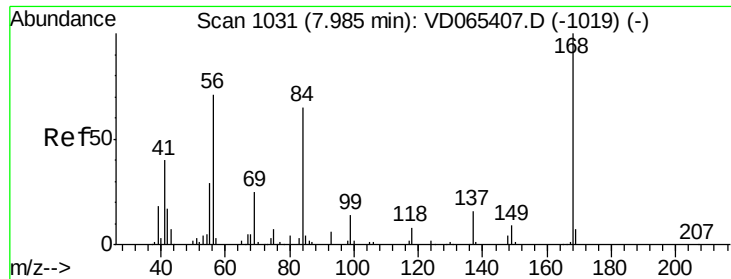
MMDadoda
3/17/2020 12:09:53 PM



#30
Chloroform
Concen: 19.513 ug/l
RT: 7.72 min Scan# 986
Delta R.T. 0.01 min
Lab File: VD065511.D
Acq: 16 Mar 2020 14:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	50.3	75.5





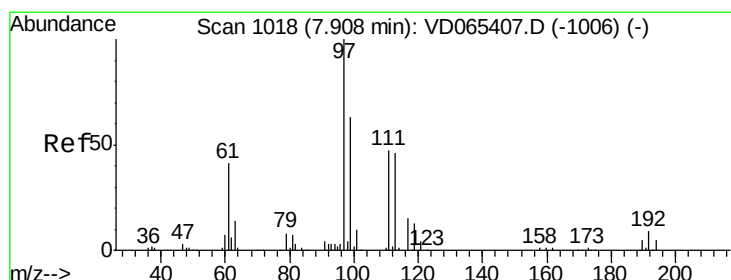
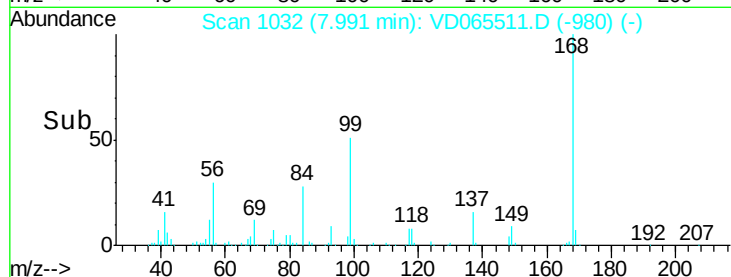
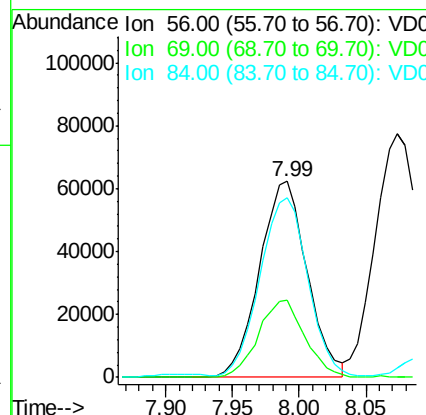
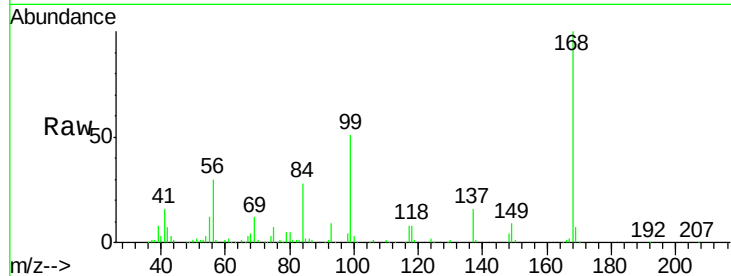
#31
Cyclohexane
Concen: 18.133 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD065511.D
Acq: 16 Mar 2020 14:20

Instrument :
MSVOA_D
ClientSampleId :
VD0316SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.1	28.3	42.5
84	90.4	73.1	109.7

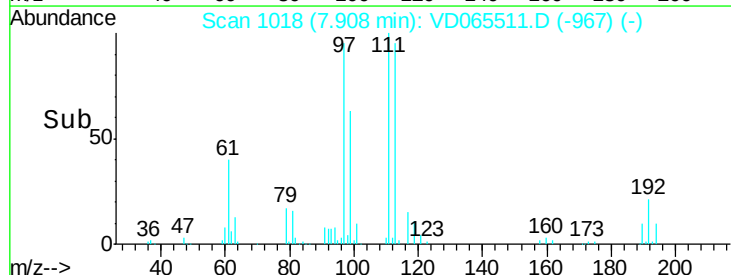
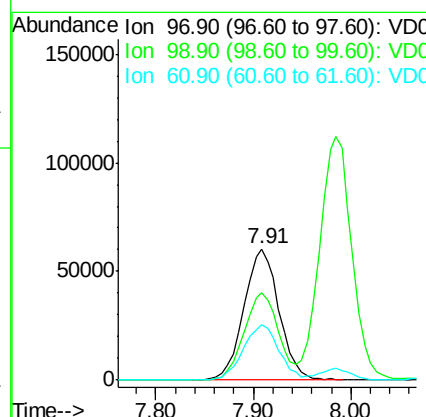
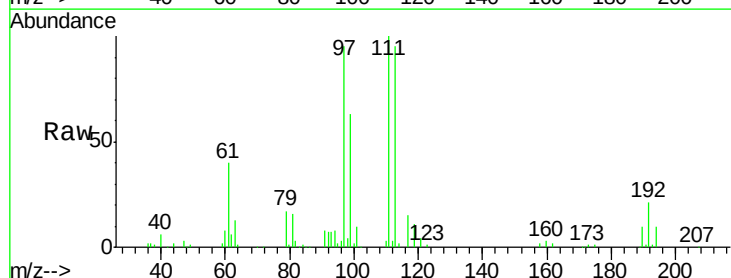
Manual Integrations
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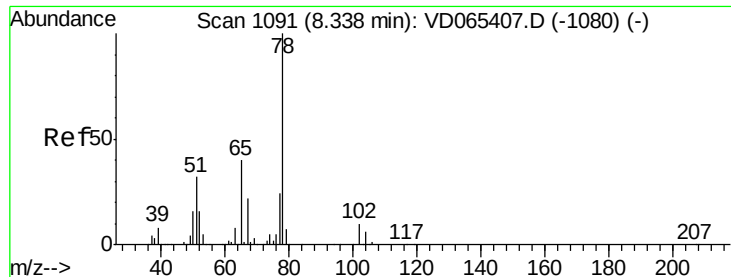
MMDadoda
3/17/2020 12:09:53 PM



#32
1,1,1-Trichloroethane
Concen: 19.251 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD065511.D
Acq: 16 Mar 2020 14:20

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.6	50.9	76.3
61	43.2	33.2	49.8





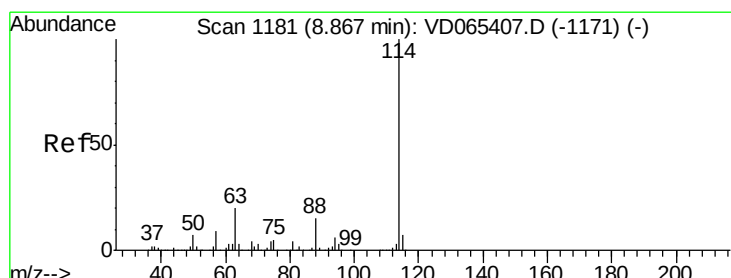
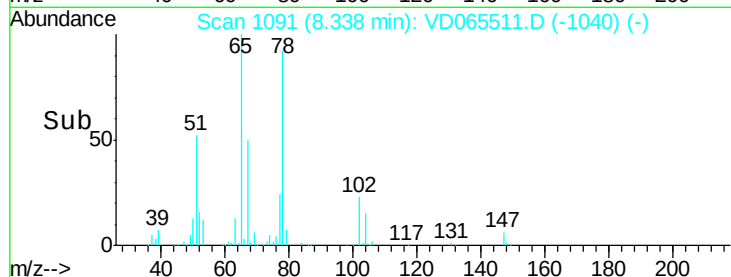
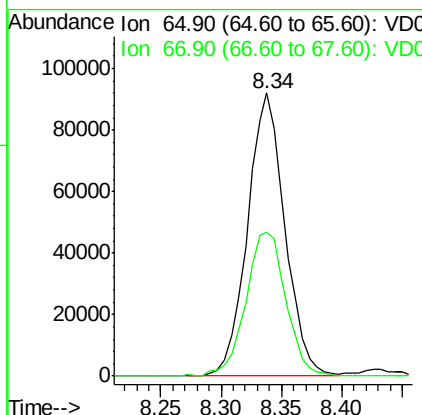
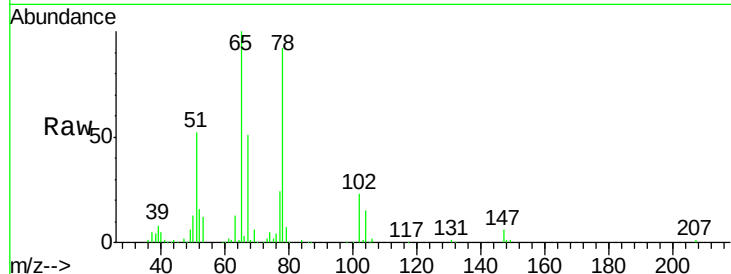
#33
 1,2-Dichloroethane-d4
 Concen: 46.093 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065511.D
 Acq: 16 Mar 2020 14:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0316SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	197725		
67	54.6	0.0	108.0	

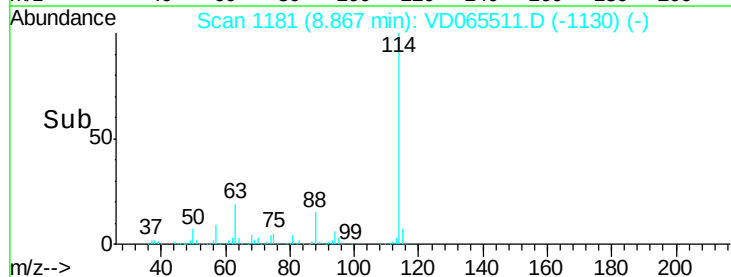
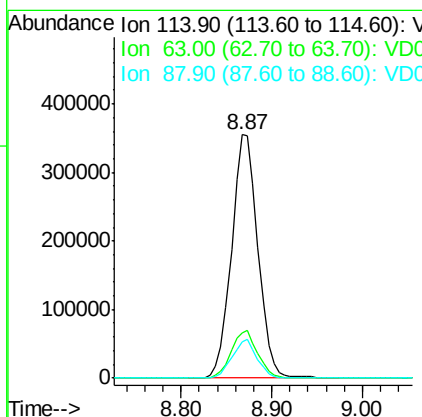
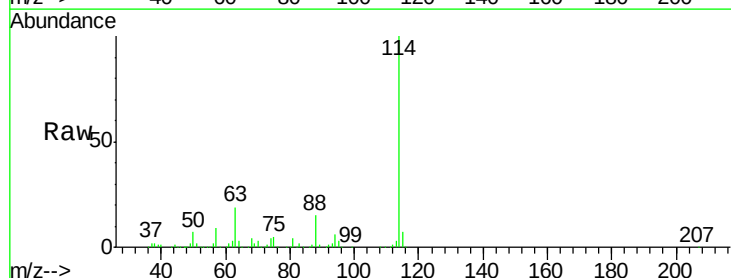
Manual Integrations
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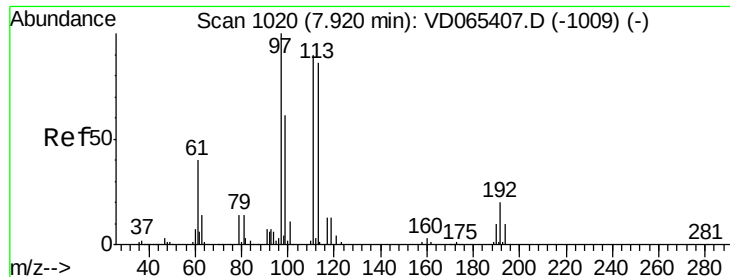
MMDadoda
 3/17/2020 12:09:53 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065511.D
 Acq: 16 Mar 2020 14:20

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	719062		
63	18.8	0.0	39.6	
88	15.0	0.0	30.4	





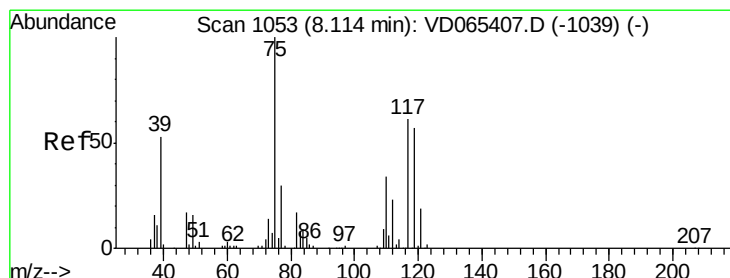
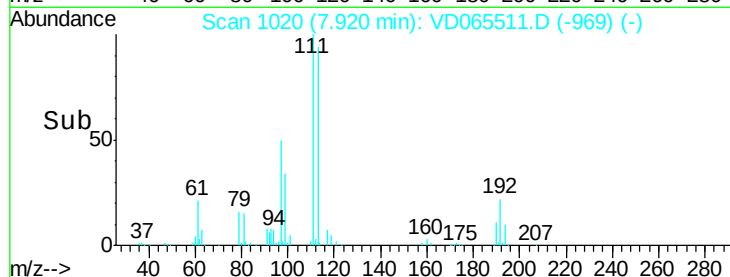
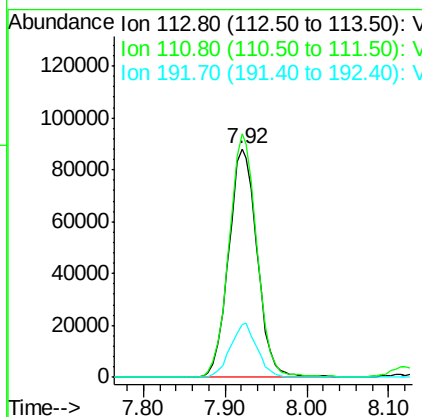
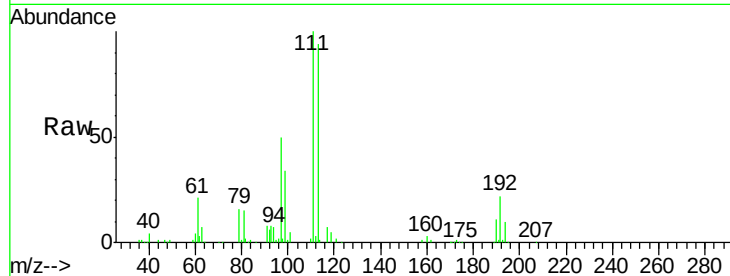
#35
 Dibromofluoromethane
 Concen: 47.871 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065511.D
 Acq: 16 Mar 2020 14:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0316SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.6	82.1	123.1
192	22.2	17.2	25.8

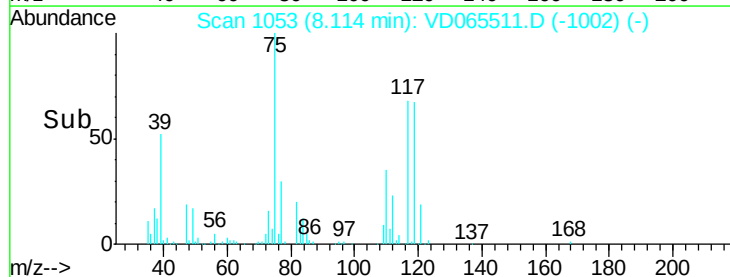
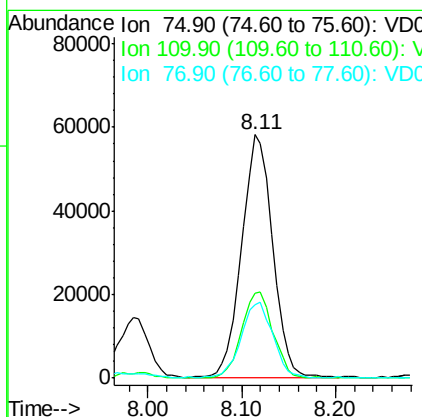
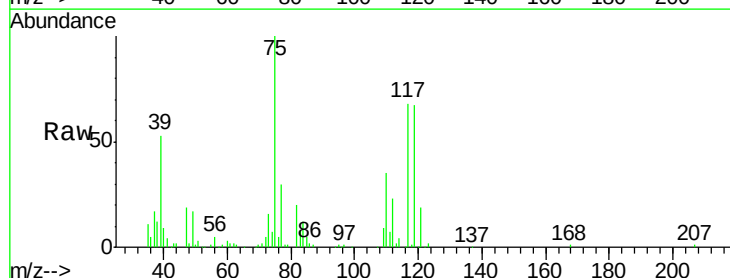
Manual Integrations
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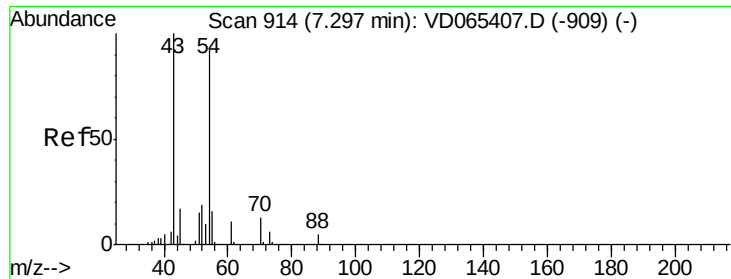
MMDadoda
 3/17/2020 12:09:53 PM



#36
 1,1-Dichloropropene
 Concen: 19.294 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065511.D
 Acq: 16 Mar 2020 14:20

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.9	18.1	54.1
77	32.0	25.2	37.8





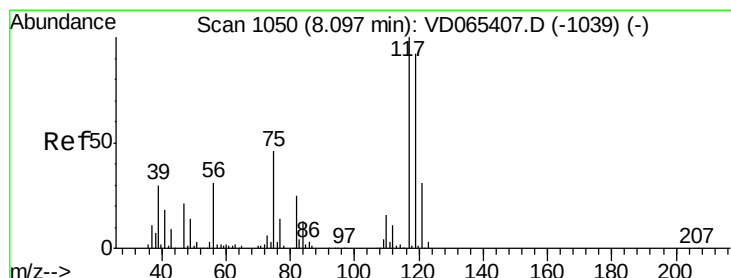
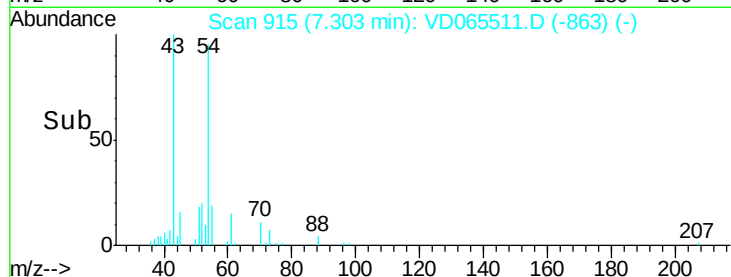
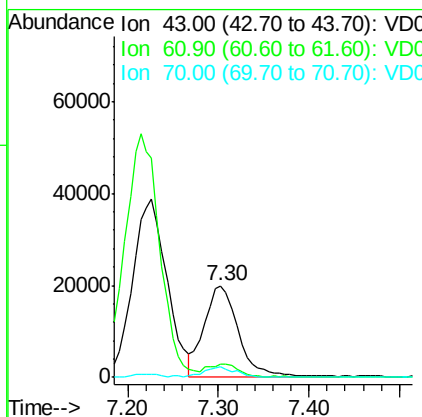
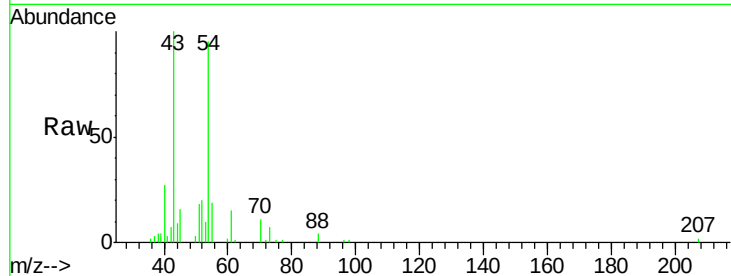
#37
Ethyl Acetate
Concen: 19.322 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD065511.D
Acq: 16 Mar 2020 14:20

Instrument :
MSVOA_D
ClientSampleId :
VD0316SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	11.4	17.0
70	11.0	9.0	13.4

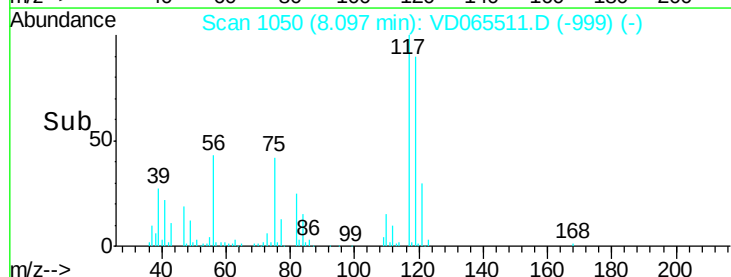
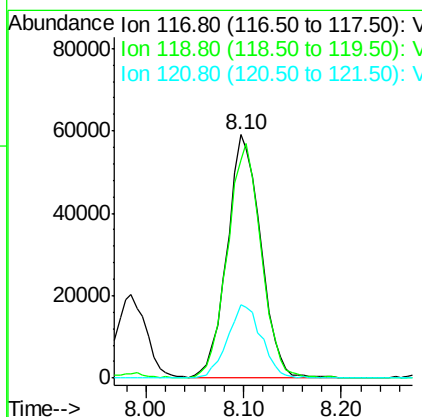
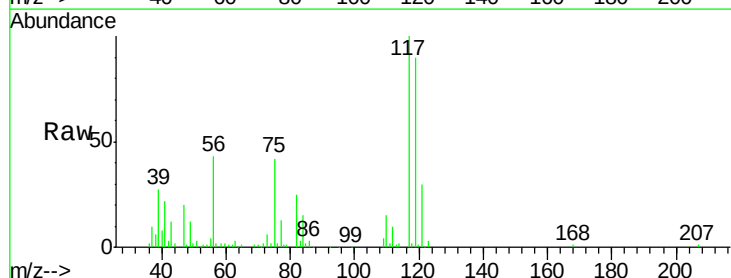
Manual Integrations
APPROVED

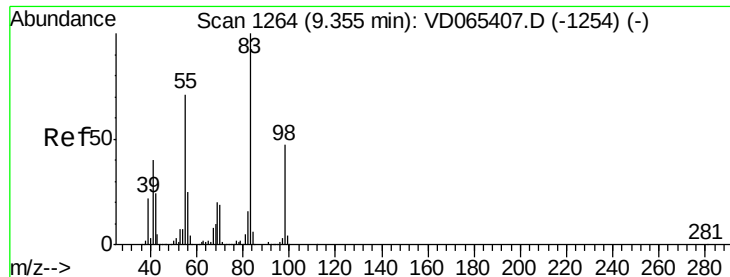
MMDadoda
3/17/2020 12:09:53 PM



#38
Carbon Tetrachloride
Concen: 19.791 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065511.D
Acq: 16 Mar 2020 14:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	89.3	73.3	109.9
121	30.2	25.0	37.4





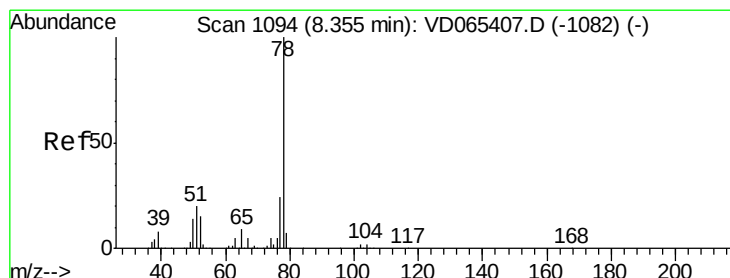
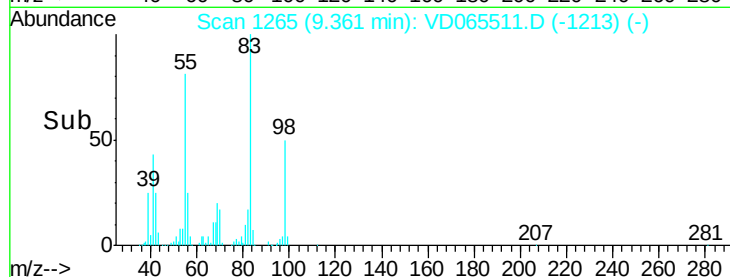
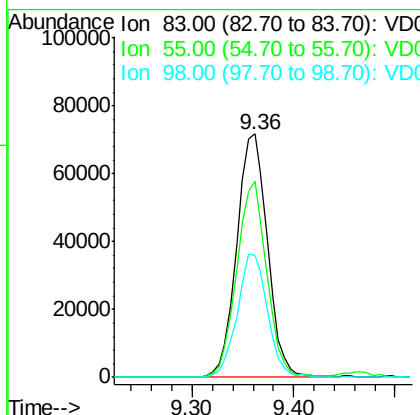
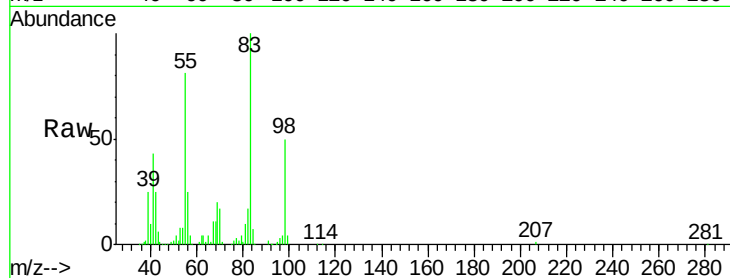
#39
Methylvlcyclohexane
Concen: 18.161 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD065511.D
Acq: 16 Mar 2020 14:20

Instrument :
MSVOA_D
ClientSampleId :
VD0316SBS01

Tot Ion	83	Resp	151188
Ion Ratio	100	Lower	Upper
83	100		
55	80.5	57.1	85.7
98	50.2	37.8	56.8

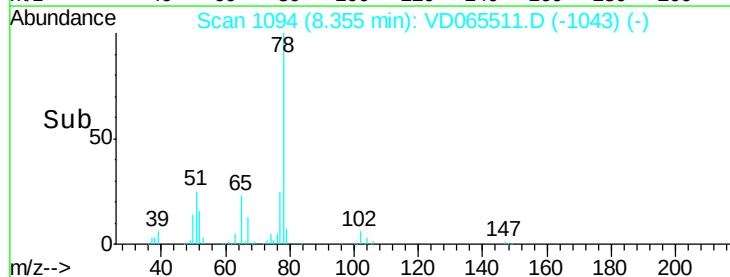
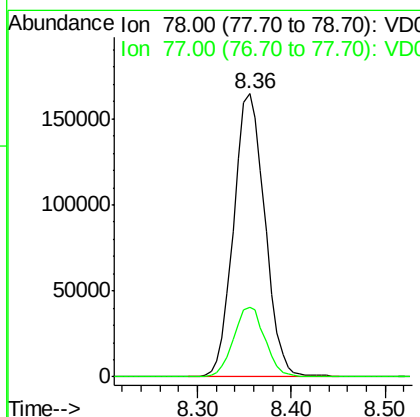
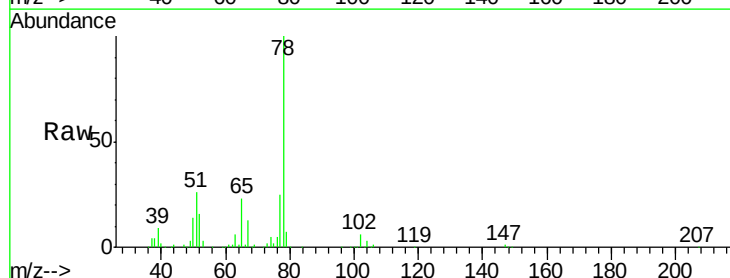
Manual Integrations
APPROVED

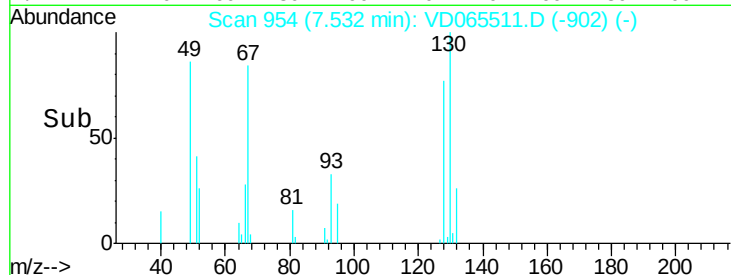
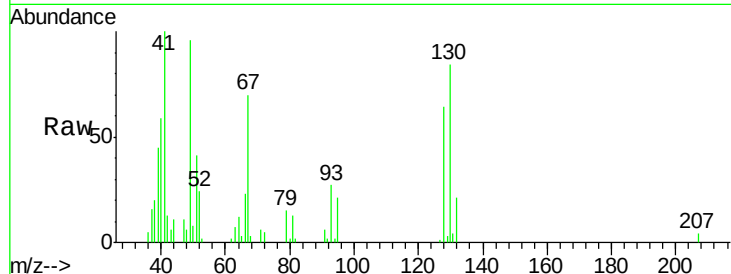
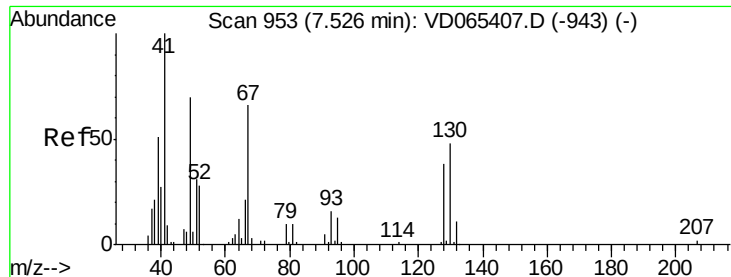
MMDadoda
3/17/2020 12:09:53 PM



#40
Benzene
Concen: 19.747 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065511.D
Acq: 16 Mar 2020 14:20

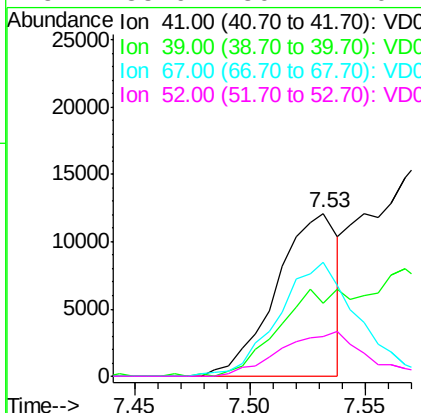
Tgt Ion	78	Resp	380559
Ion Ratio	100	Lower	Upper
78	100		
77	24.6	19.4	29.0





#41
Methacrylonitrile
Concen: 15.980 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD065511.D
Acq: 16 Mar 2020 14:20

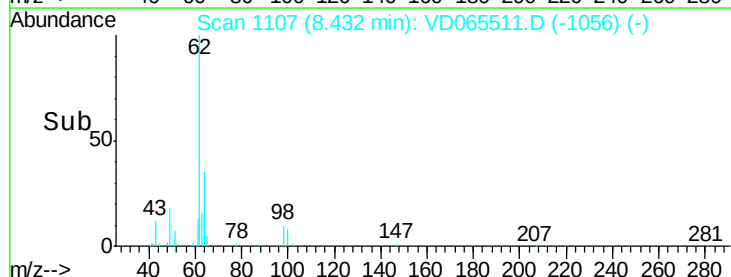
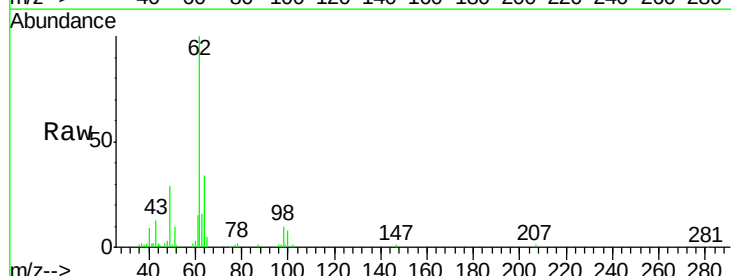
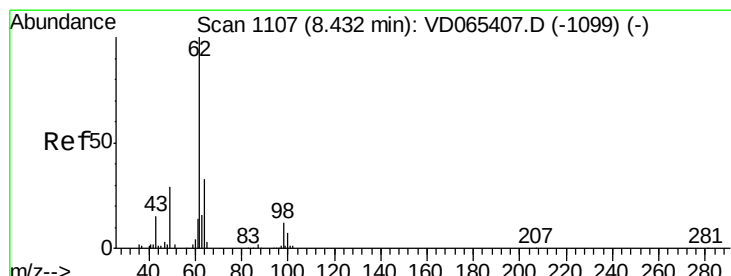
Tot Ion	Ratio	Lower	Upper
41	100		
39	61.6	55.0	82.6
67	90.3	70.3	105.5
52	38.9	30.7	46.1



Instrument :
MSVOA_D
ClientSampleId :
VD0316SBS01

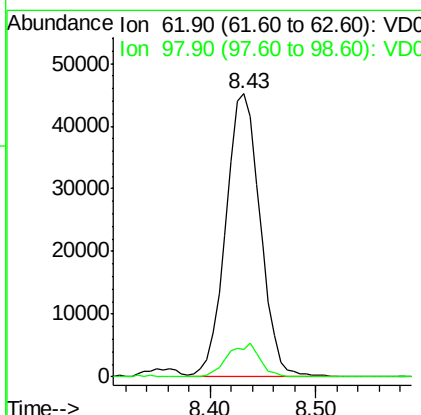
Manual Integrations
APPROVED

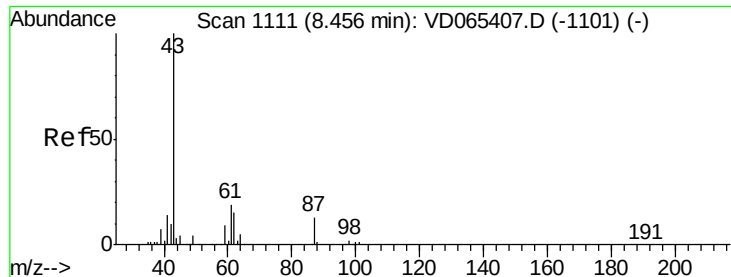
MMDadoda
3/17/2020 12:09:53 PM



#42
1,2-Dichloroethane
Concen: 20.227 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD065511.D
Acq: 16 Mar 2020 14:20

Tgt Ion	Ratio	Lower	Upper
62	100		
98	11.1	0.0	21.4





#43

Isopropyl Acetate

Concen: 18.337 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD065511.D

Acq: 16 Mar 2020 14:20

Instrument :

MSVOA_D

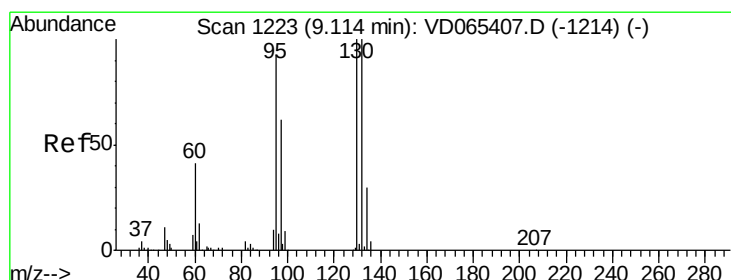
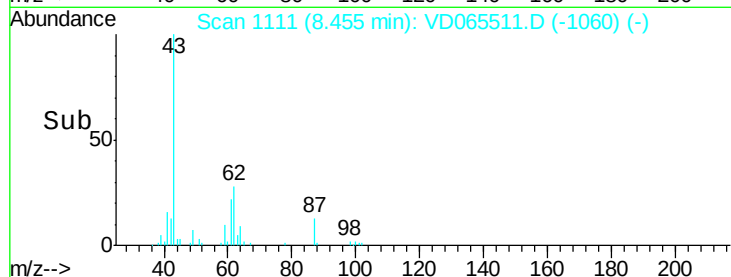
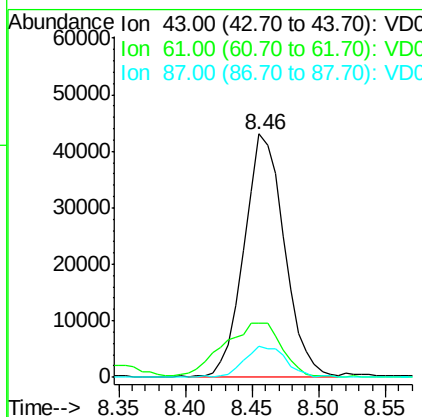
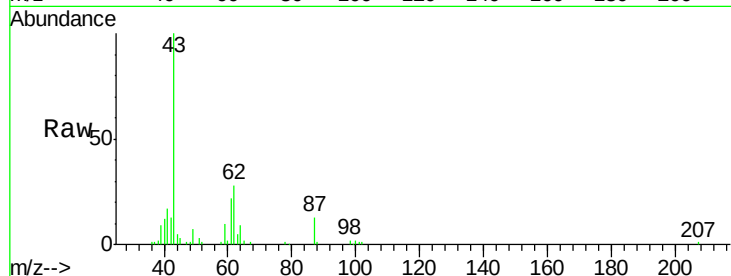
ClientSampleId :

VD0316SBS01

Tot Ion:	43	Resp:	90204
Ion	Ratio	Lower	Upper
43	100		
61	32.7	25.0	37.6
87	13.4	11.0	16.4

Manual Integrations
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#44

Trichloroethene

Concen: 19.567 ug/l

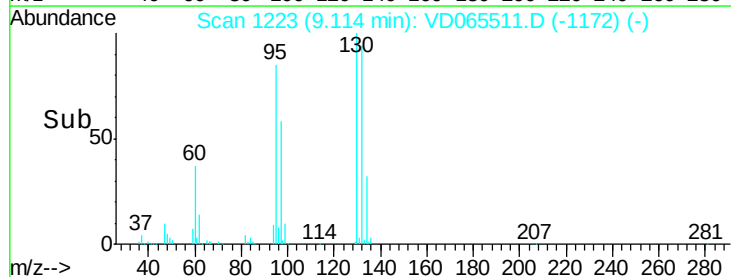
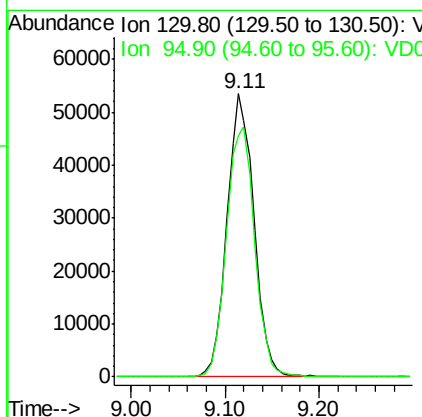
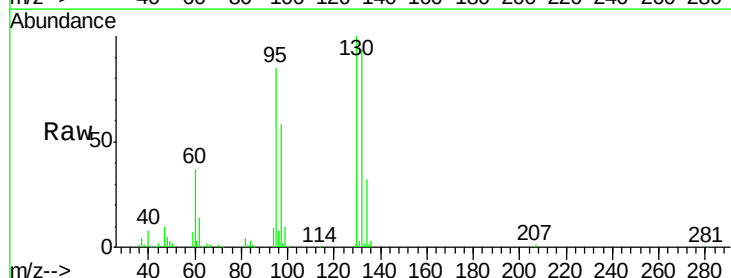
RT: 9.11 min Scan# 1223

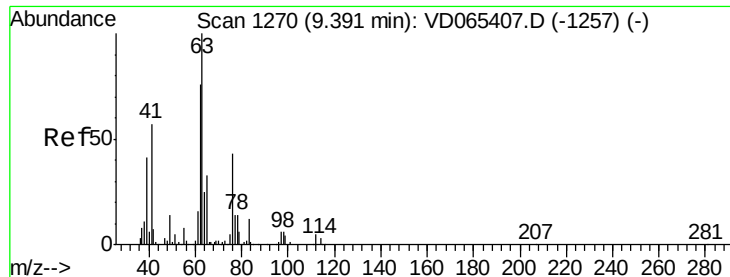
Delta R.T. 0.00 min

Lab File: VD065511.D

Acq: 16 Mar 2020 14:20

Tgt Ion:	130	Resp:	106494
Ion	Ratio	Lower	Upper
130	100		
95	85.3	0.0	186.0





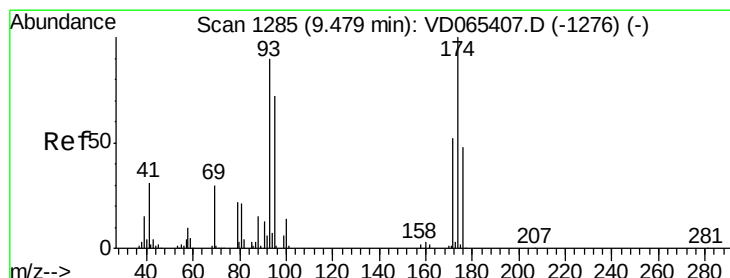
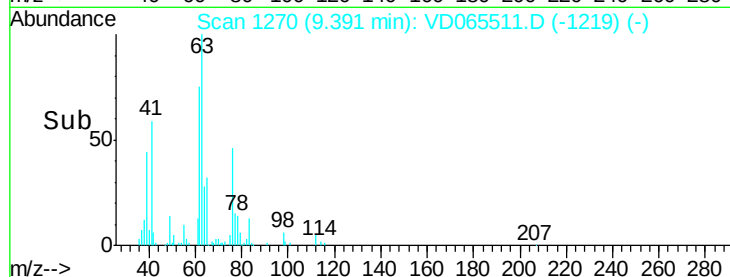
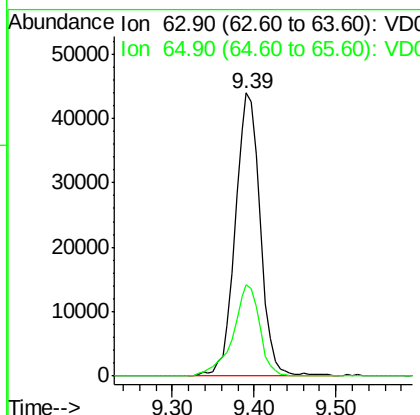
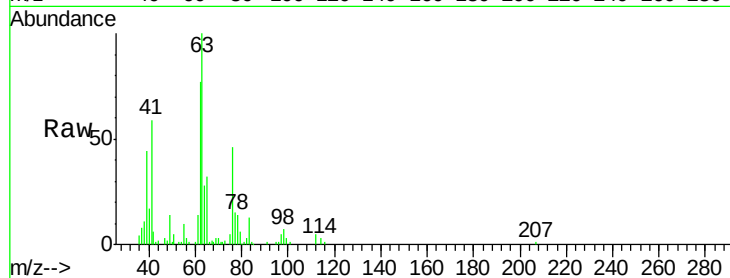
#45
 1,2-Dichloropropane
 Concen: 19.933 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065511.D
 Acq: 16 Mar 2020 14:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0316SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.3	26.4	39.6

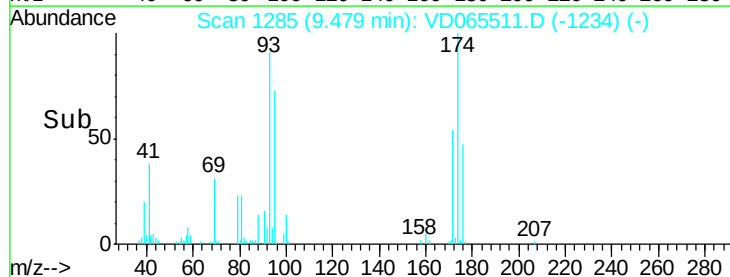
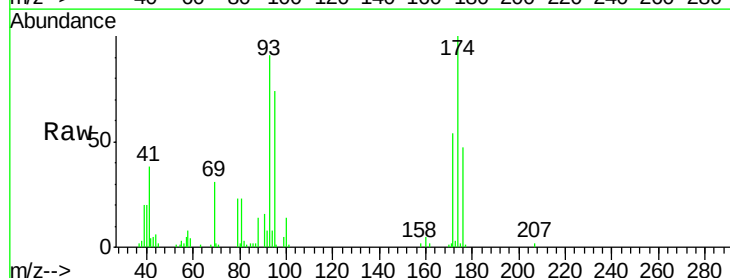
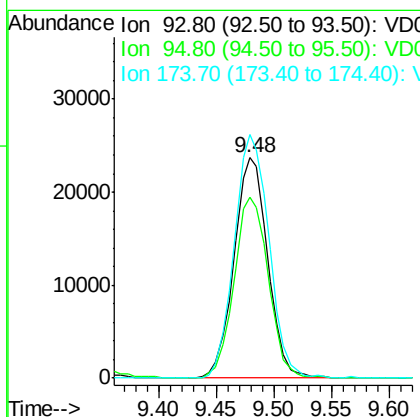
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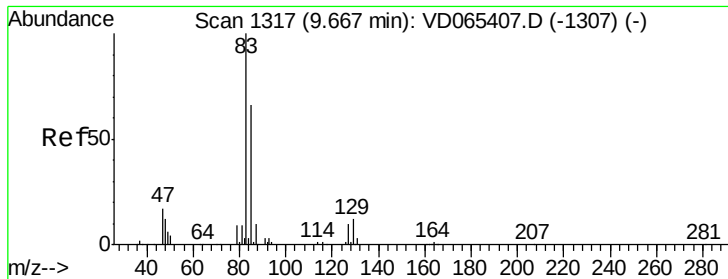
MMDadoda
 3/17/2020 12:09:53 PM



#46
 Dibromomethane
 Concen: 19.790 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065511.D
 Acq: 16 Mar 2020 14:20

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.6	65.0	97.6
174	113.7	88.3	132.5





#47

Bromodichloromethane

Concen: 20.228 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065511.D

Acq: 16 Mar 2020 14:20

Instrument :

MSVOA_D

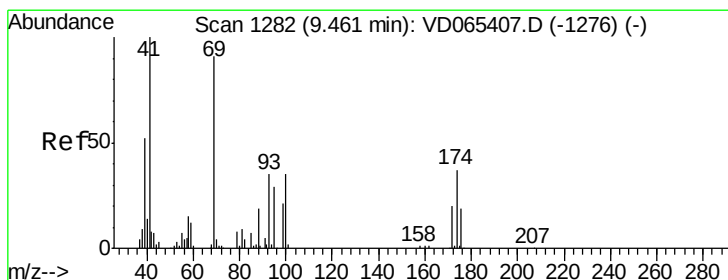
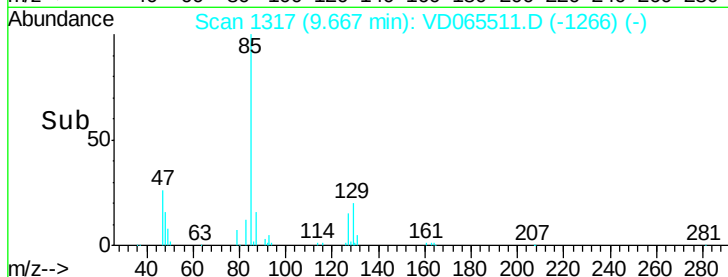
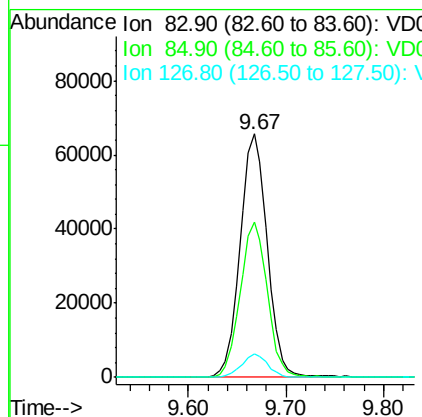
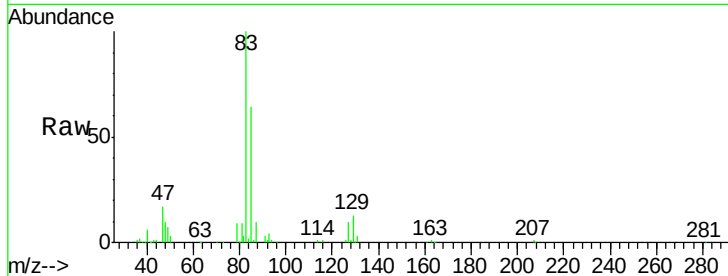
ClientSampleId :

VD0316SBS01

Tot Ion:	83	Resp:	127423
Ion	Ratio	Lower	Upper
83	100		
85	63.9	52.8	79.2
127	9.8	8.0	12.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.518 ug/l

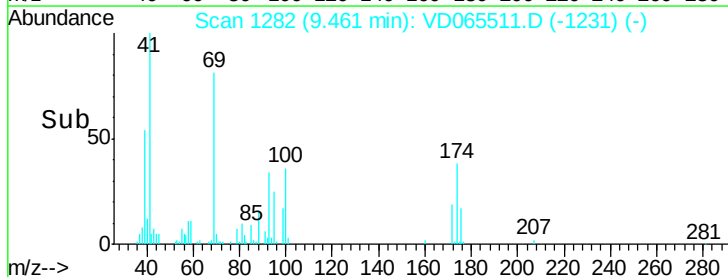
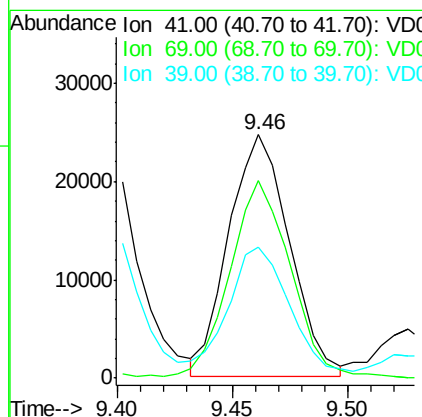
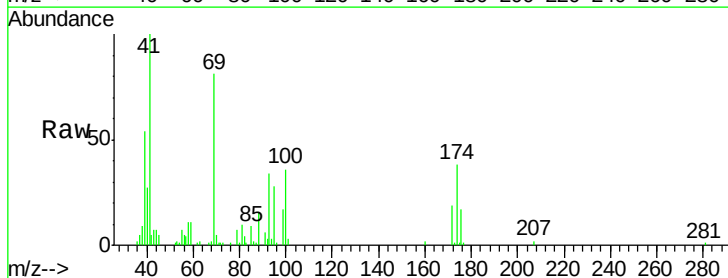
RT: 9.46 min Scan# 1282

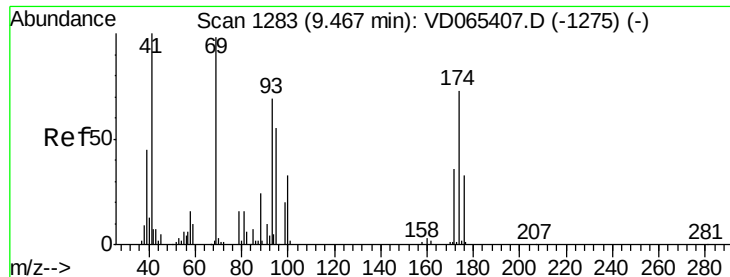
Delta R.T. 0.00 min

Lab File: VD065511.D

Acq: 16 Mar 2020 14:20

Tgt Ion:	41	Resp:	45164
Ion	Ratio	Lower	Upper
41	100		
69	81.8	72.5	108.7
39	49.7	41.6	62.4





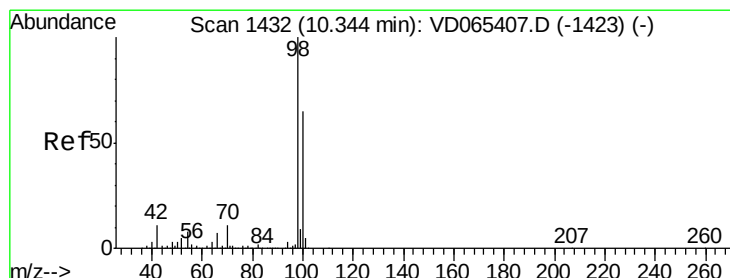
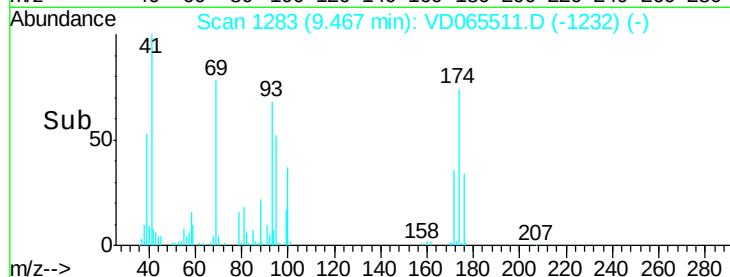
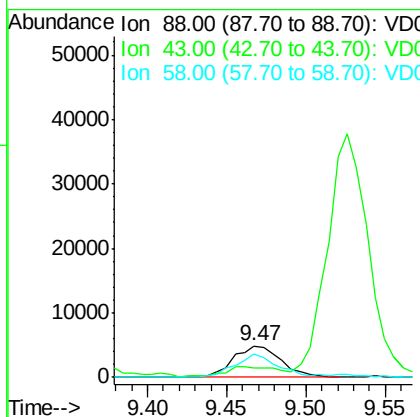
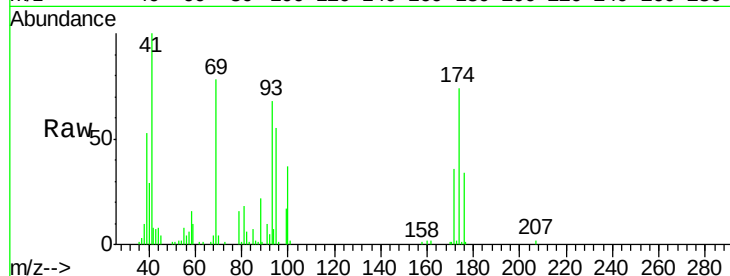
#49
1,4-Dioxane
Concen: 367.144 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065511.D
Acq: 16 Mar 2020 14:20

Instrument :
MSVOA_D
ClientSampleId :
VD0316SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.2	24.5	36.7#
58	73.3	54.5	81.7

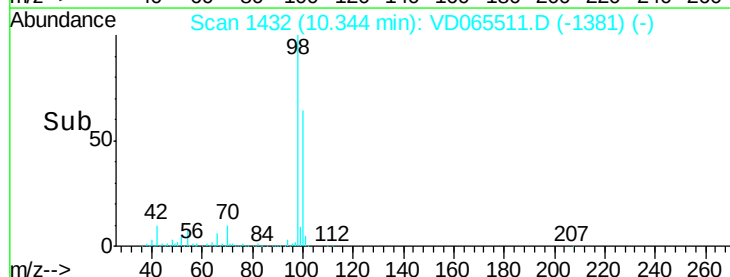
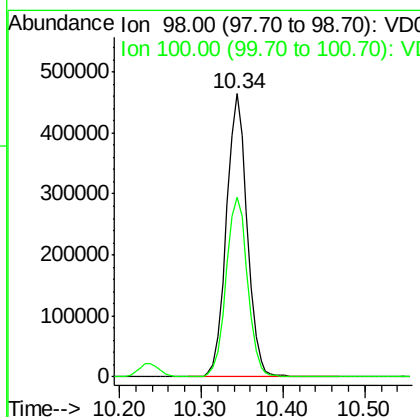
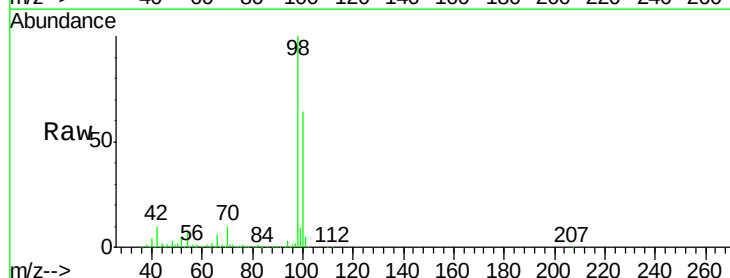
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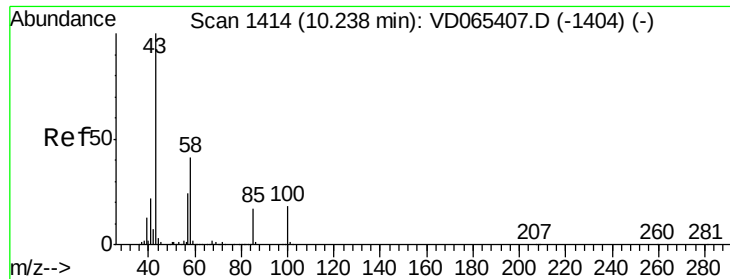
MMDadoda
3/17/2020 12:09:53 PM



#50
Toluene-d8
Concen: 48.213 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065511.D
Acq: 16 Mar 2020 14:20

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.8	79.2





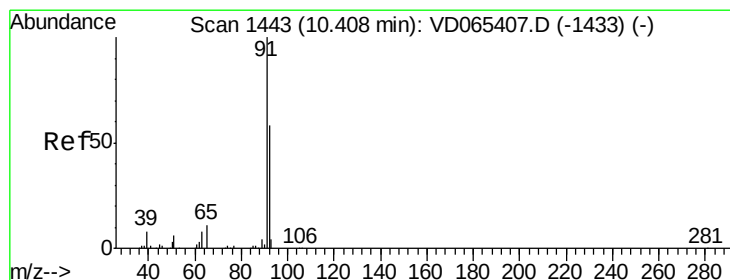
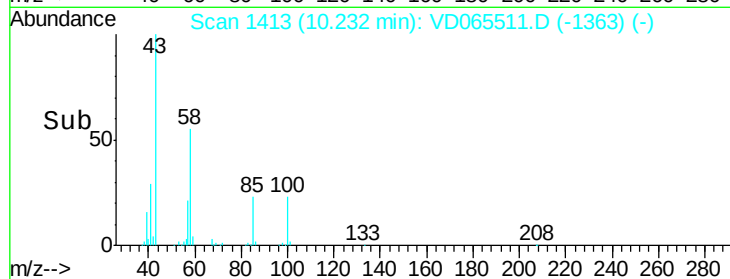
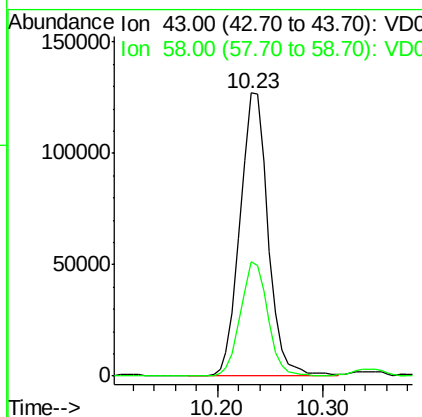
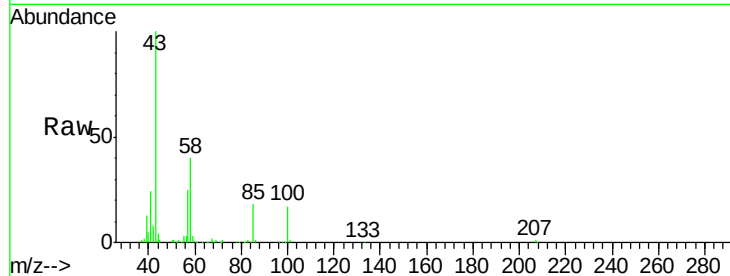
#51
4-Methyl-2-Pentanone
Concen: 95.234 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD065511.D
Acq: 16 Mar 2020 14:20

Instrument :
MSVOA_D
ClientSampleId :
VD0316SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.3	31.8	47.6

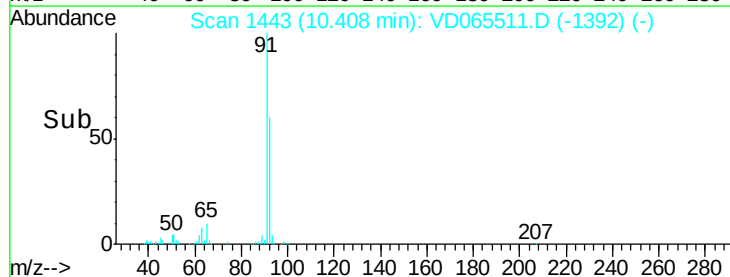
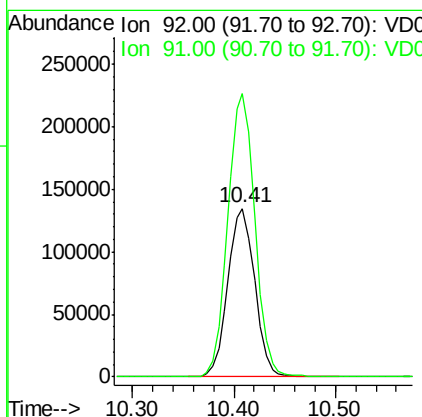
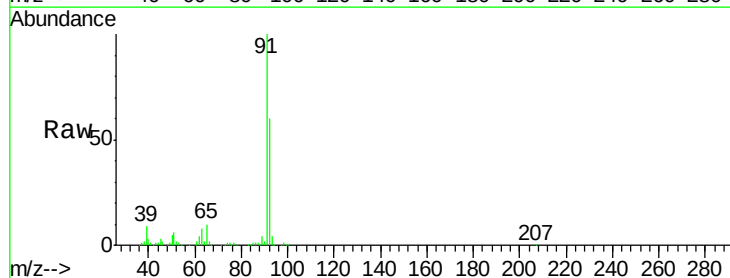
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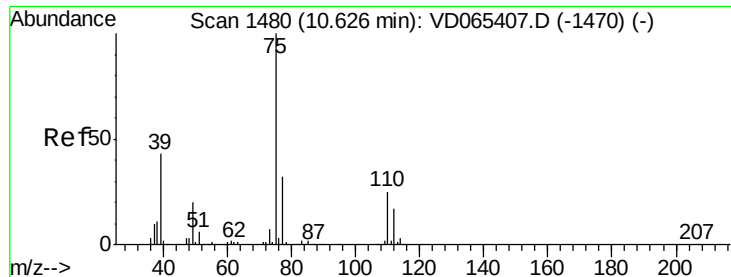
MMDadoda
3/17/2020 12:09:53 PM



#52
Toluene
Concen: 20.466 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD065511.D
Acq: 16 Mar 2020 14:20

Tgt Ion	Ratio	Lower	Upper
92	100		
91	168.9	137.8	206.8





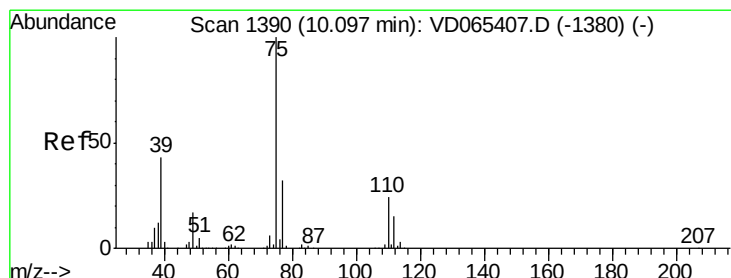
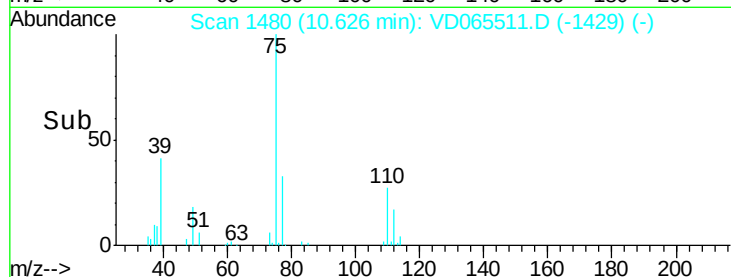
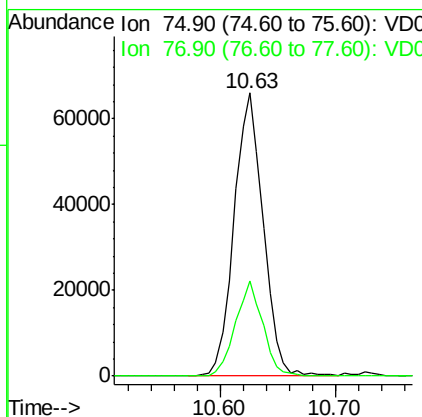
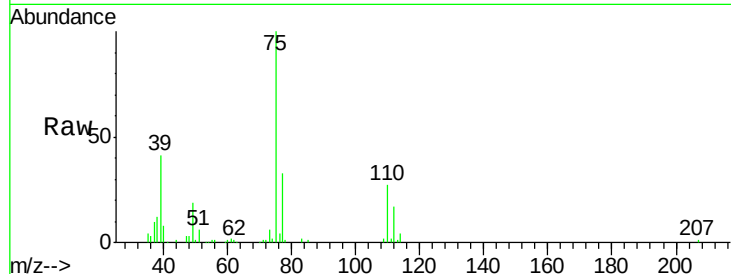
#53
 t-1,3-Dichloropropene
 Concen: 19.584 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: VD065511.D
 Acq: 16 Mar 2020 14:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0316SBS01

Tot Ion: 75 Resp: 115289
 Ion Ratio Lower Upper
 75 100
 77 33.4 25.4 38.2

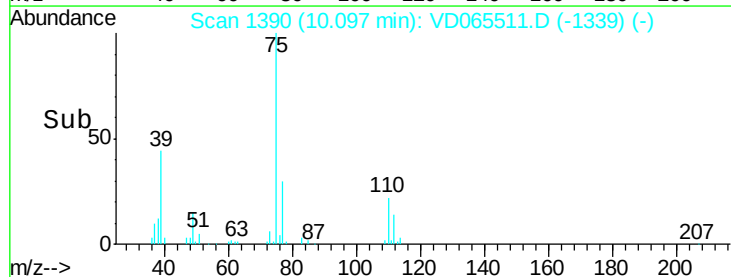
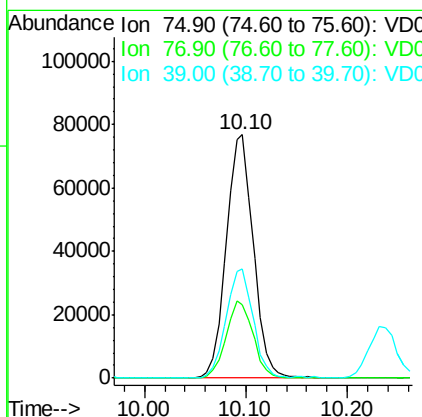
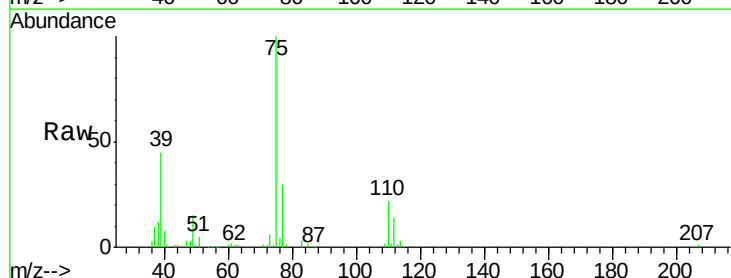
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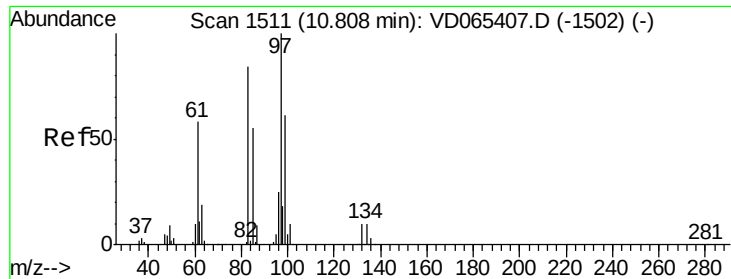
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 19.984 ug/l
 RT: 10.10 min Scan# 1390
 Delta R.T. 0.00 min
 Lab File: VD065511.D
 Acq: 16 Mar 2020 14:20

Tgt Ion: 75 Resp: 142399
 Ion Ratio Lower Upper
 75 100
 77 29.9 25.3 37.9
 39 44.6 34.6 52.0





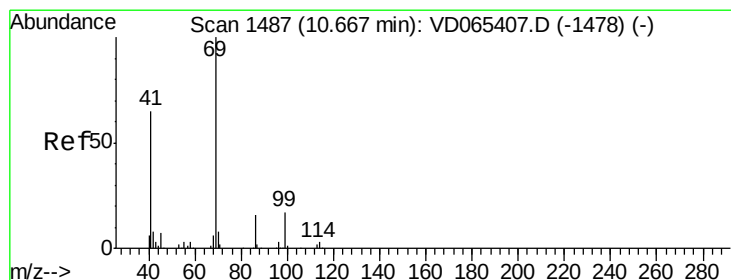
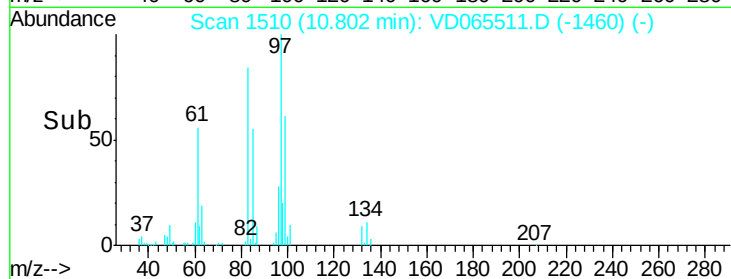
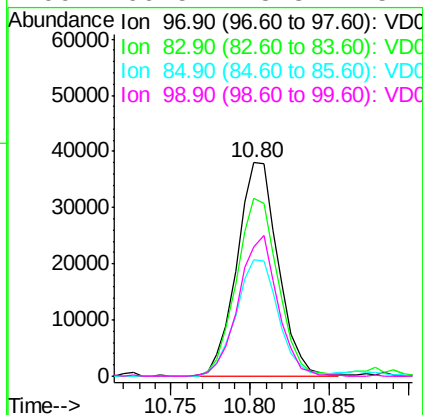
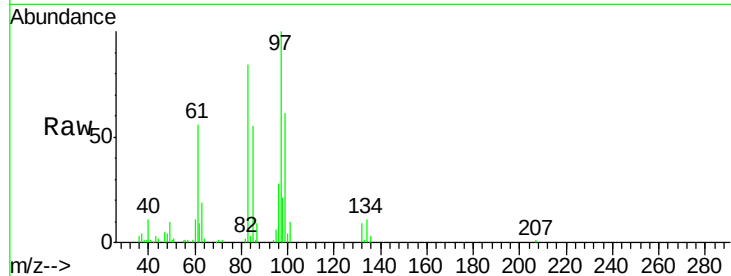
#55
 1,1,2-Trichloroethane
 Concen: 20.053 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065511.D
 Acq: 16 Mar 2020 14:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0316SBS01

Tot Ion:	97	Resp:	68773
Ion	Ratio	Lower	Upper
97	100		
83	83.6	67.4	101.0
85	54.8	43.8	65.8
99	60.5	48.8	73.2

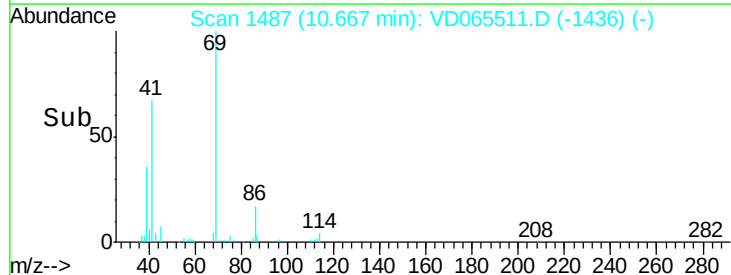
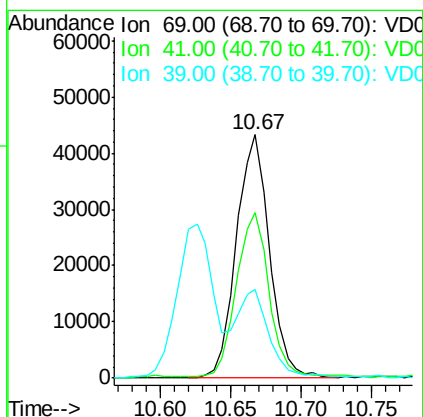
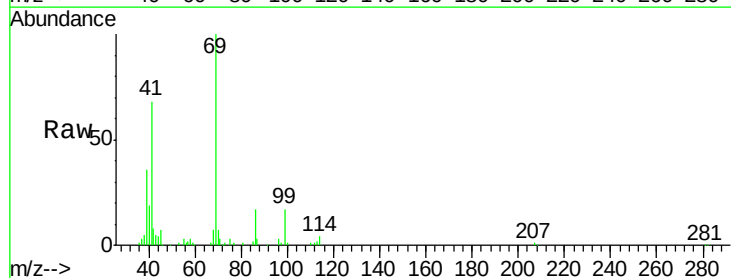
Manual Integrations
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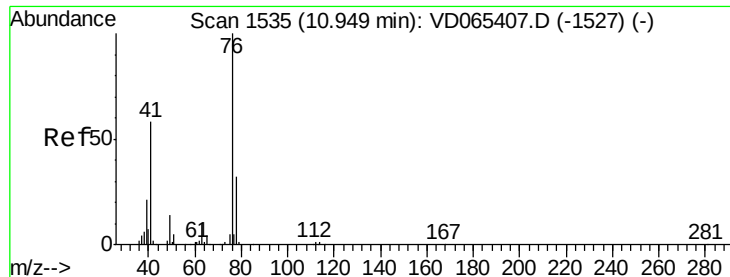
MMDadoda
 3/17/2020 12:09:53 PM



#56
 Ethyl methacrylate
 Concen: 18.367 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065511.D
 Acq: 16 Mar 2020 14:20

Tgt Ion:	69	Resp:	71012
Ion	Ratio	Lower	Upper
69	100		
41	66.1	53.0	79.6
39	32.1	26.0	39.0





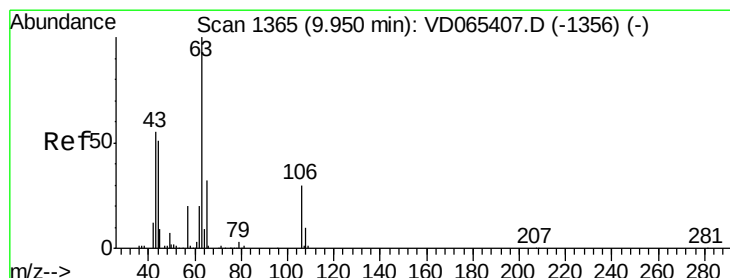
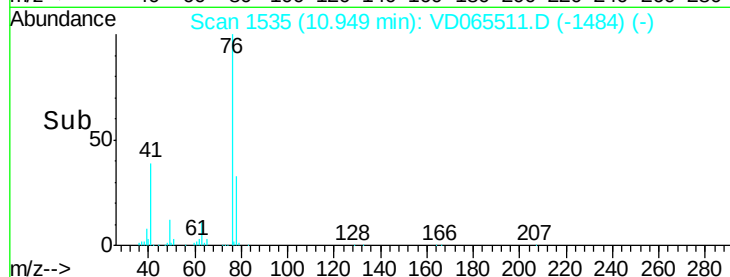
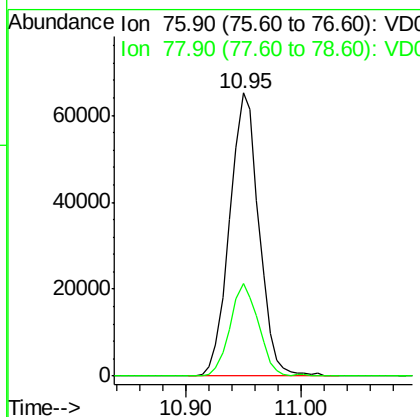
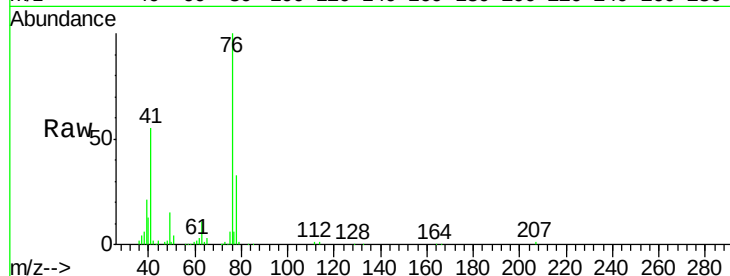
#57
 1,3-Dichloropropane
 Concen: 19.775 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065511.D
 Acq: 16 Mar 2020 14:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0316SBS01

Tot Ion: 76 Resp: 114749
 Ion Ratio Lower Upper
 76 100
 78 31.9 26.0 39.0

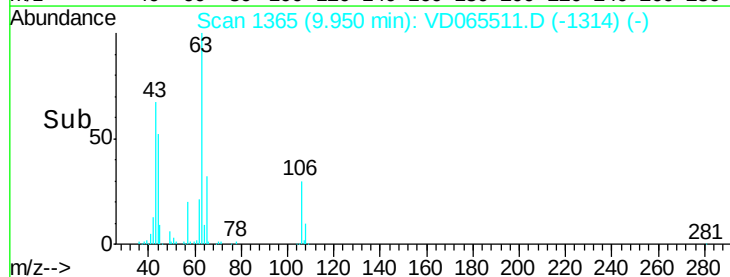
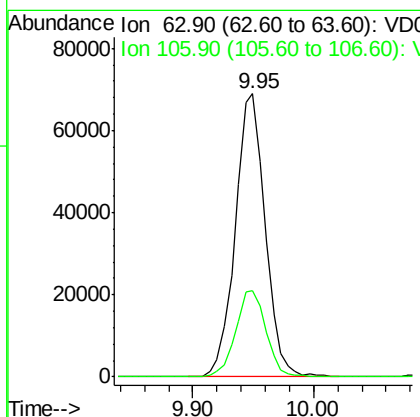
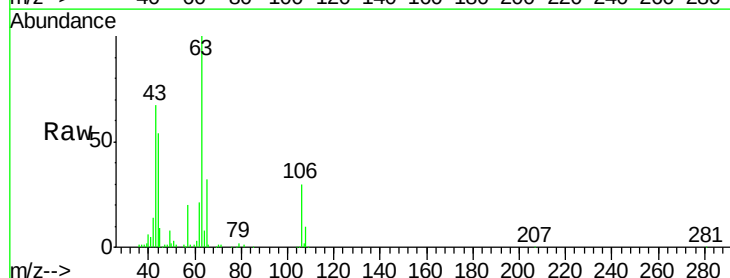
Manual Integrations
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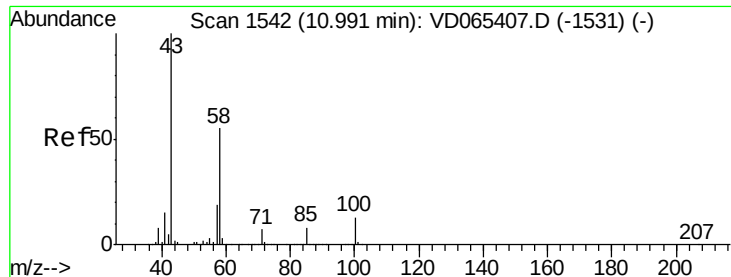
MMDadoda
 3/17/2020 12:09:53 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.062 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VD065511.D
 Acq: 16 Mar 2020 14:20

Tgt Ion: 63 Resp: 119319
 Ion Ratio Lower Upper
 63 100
 106 30.8 23.3 34.9





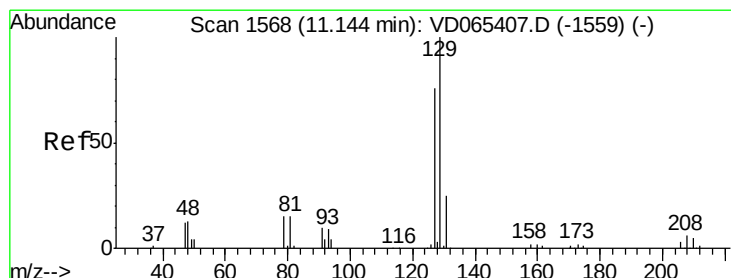
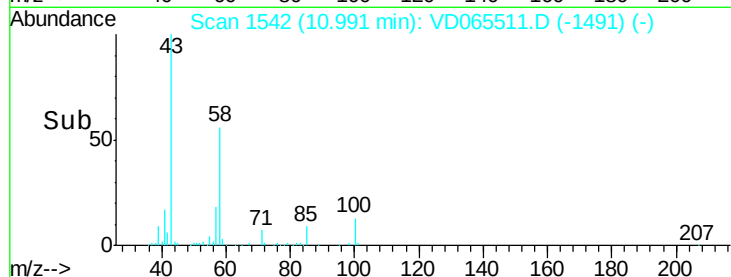
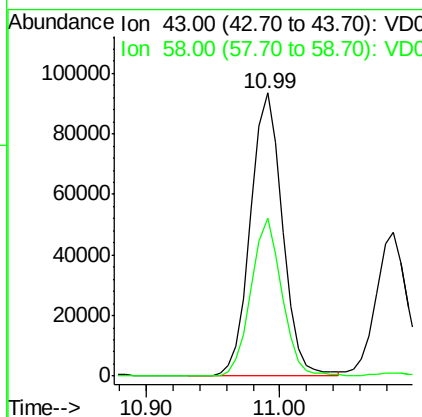
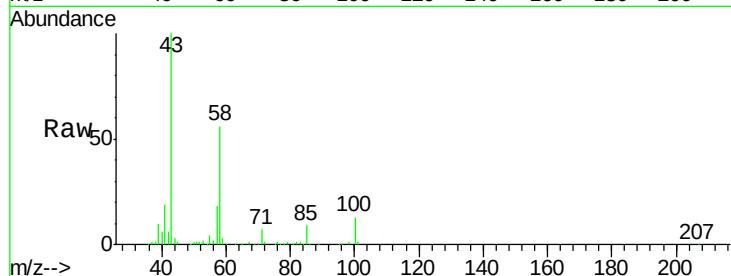
#59
2-Hexanone
Concen: 90.359 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065511.D
Acq: 16 Mar 2020 14:20

Instrument :
MSVOA_D
ClientSampleId :
VD0316SBS01

Tot Ion: 43 Resp: 154838
Ion Ratio Lower Upper
43 100
58 53.7 27.4 82.2

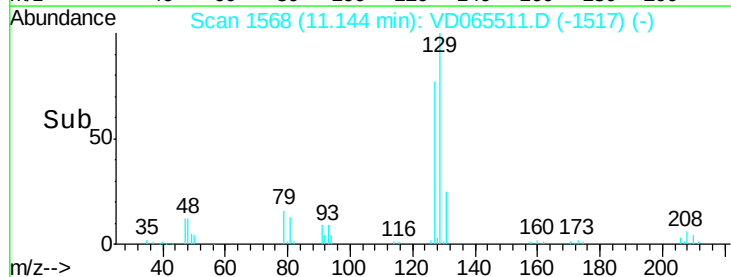
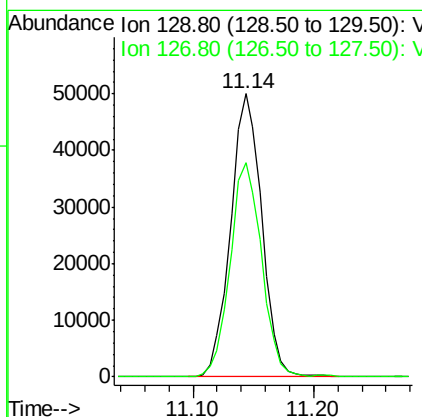
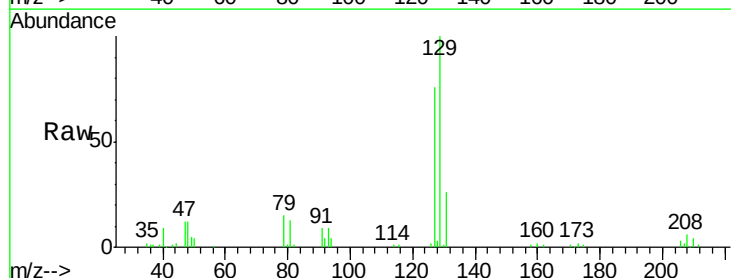
Manual Integrations
APPROVED

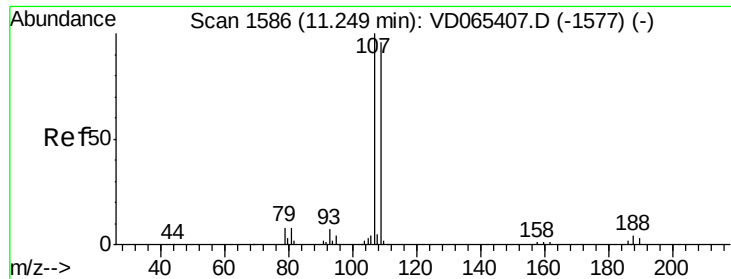
MMDadoda
3/17/2020 12:09:53 PM



#60
Dibromochloromethane
Concen: 20.434 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065511.D
Acq: 16 Mar 2020 14:20

Tgt Ion: 129 Resp: 89832
Ion Ratio Lower Upper
129 100
127 76.2 38.5 115.5





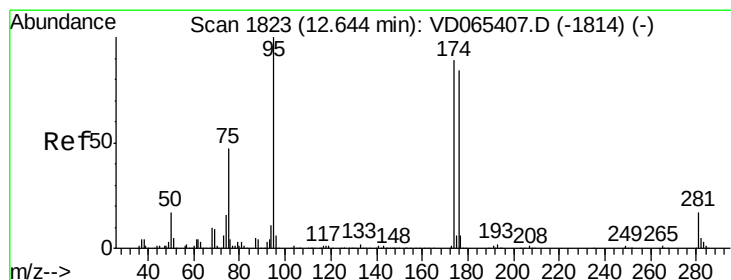
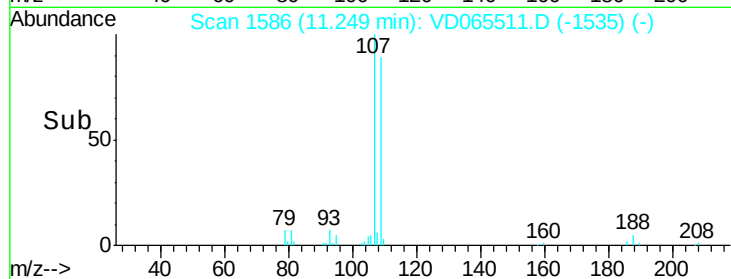
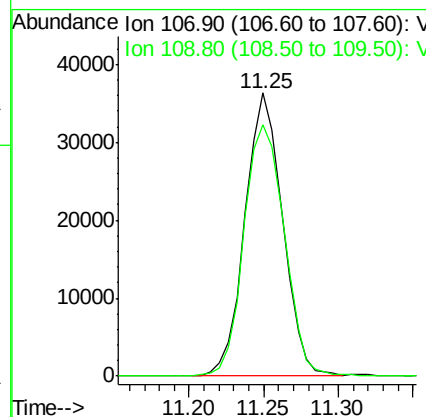
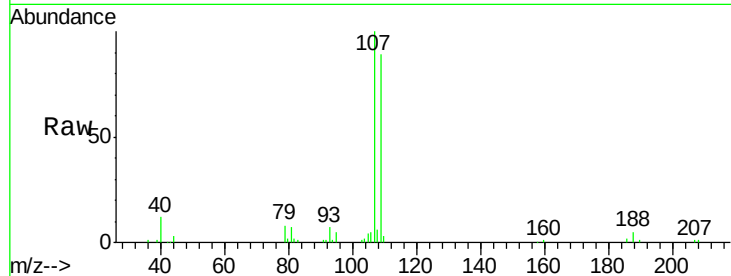
#61
 1,2-Dibromoethane
 Concen: 19.394 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065511.D
 Acq: 16 Mar 2020 14:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0316SBS01

Tot Ion: 107 Resp: 63444
 Ion Ratio Lower Upper
 107 100
 109 95.7 76.8 115.2

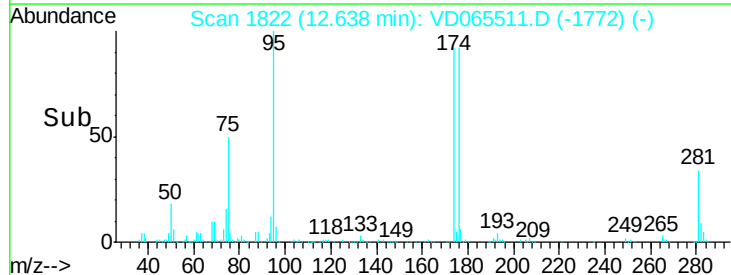
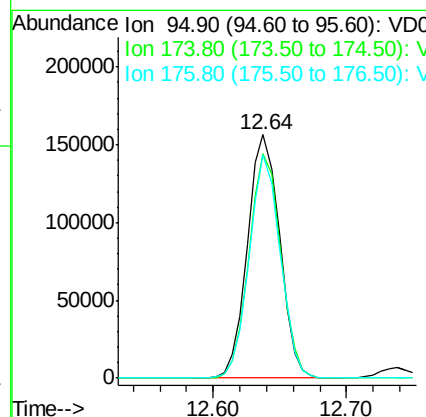
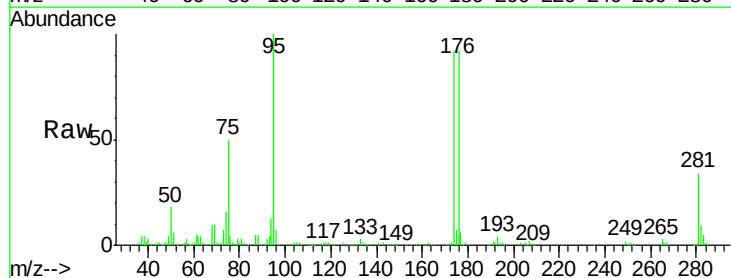
Manual Integrations
 APPROVED

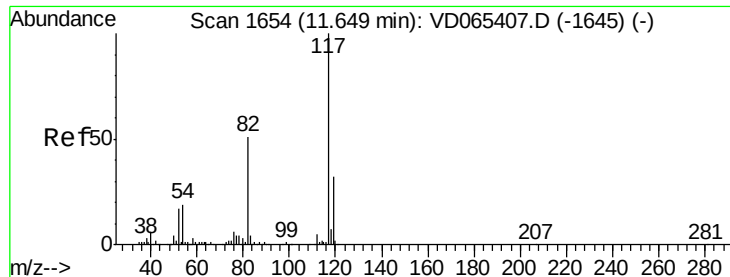
MMDadoda
 3/17/2020 12:09:53 PM



#62
 4-Bromofluorobenzene
 Concen: 49.390 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.01 min
 Lab File: VD065511.D
 Acq: 16 Mar 2020 14:20

Tgt Ion: 95 Resp: 260104
 Ion Ratio Lower Upper
 95 100
 174 90.8 0.0 176.8
 176 88.3 0.0 171.4





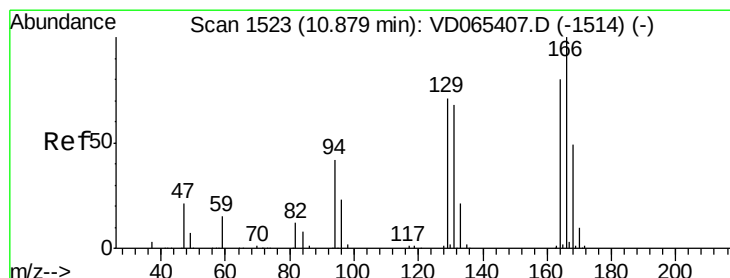
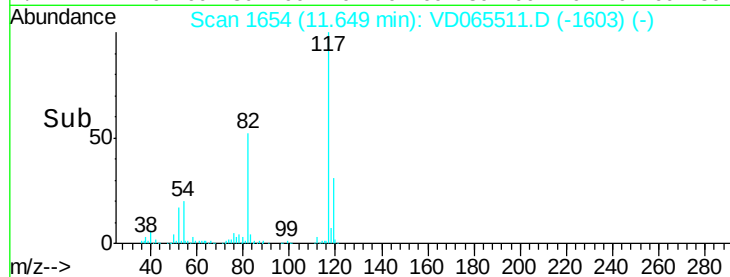
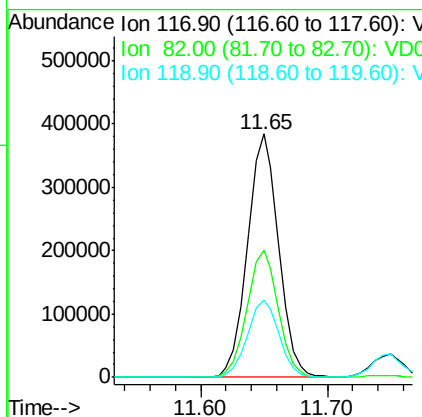
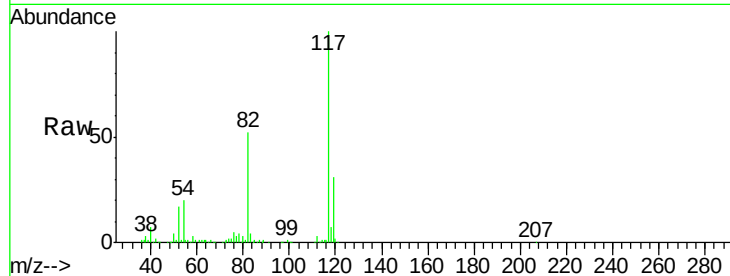
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065511.D
Acq: 16 Mar 2020 14:20

Instrument :
MSVOA_D
ClientSampleId :
VD0316SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	655916		
82	52.2		40.6	60.8
119	31.5		25.4	38.2

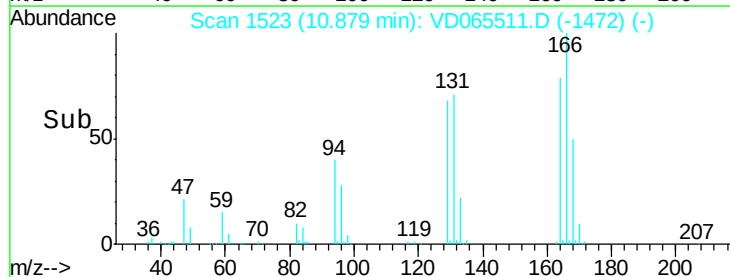
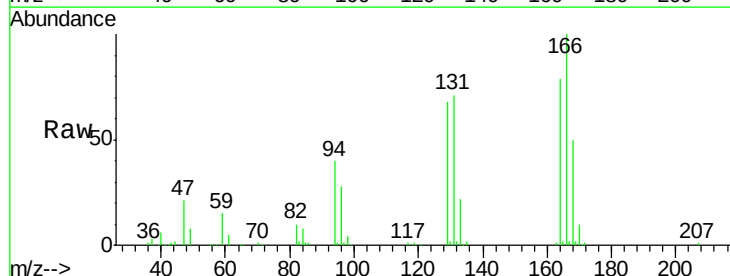
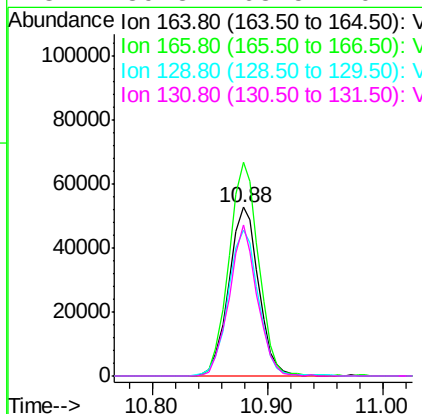
Manual Integrations
APPROVED

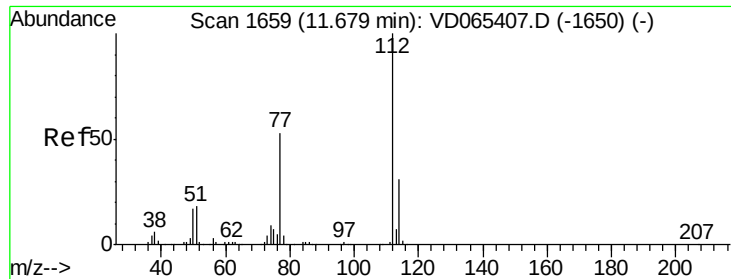
MMDadoda
3/17/2020 12:09:53 PM



#64
Tetrachloroethene
Concen: 20.139 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065511.D
Acq: 16 Mar 2020 14:20

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	94653		
166	126.5		100.5	150.7
129	86.3		71.5	107.3
131	89.3		68.5	102.7





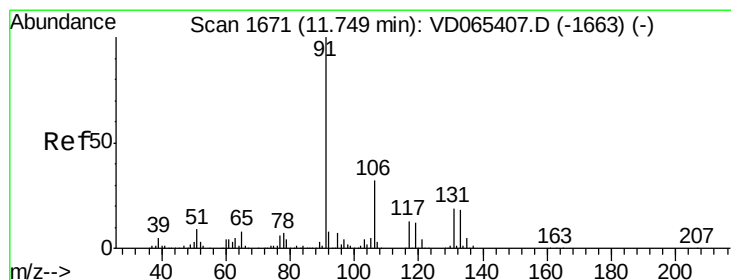
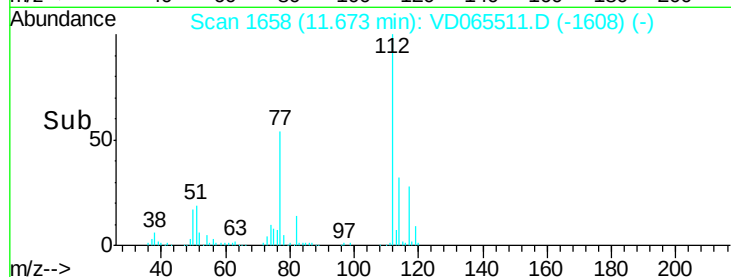
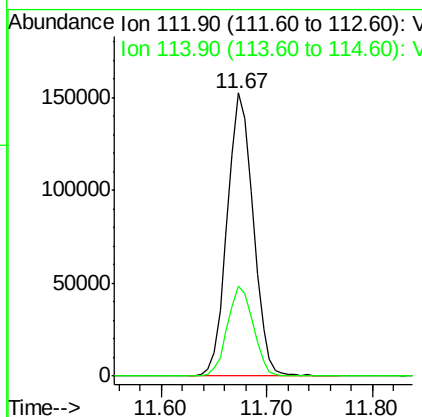
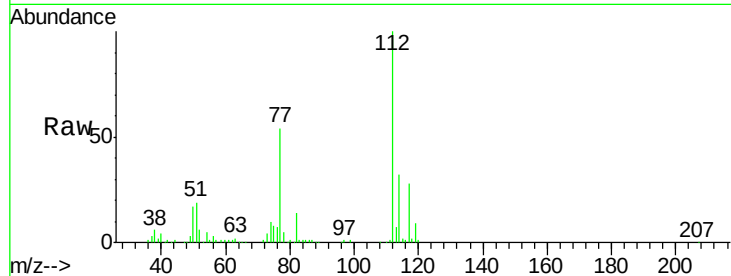
#65
Chlorobenzene
Concen: 19.998 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD065511.D
Acq: 16 Mar 2020 14:20

Instrument :
MSVOA_D
ClientSampleId :
VD0316SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.7	24.4	36.6

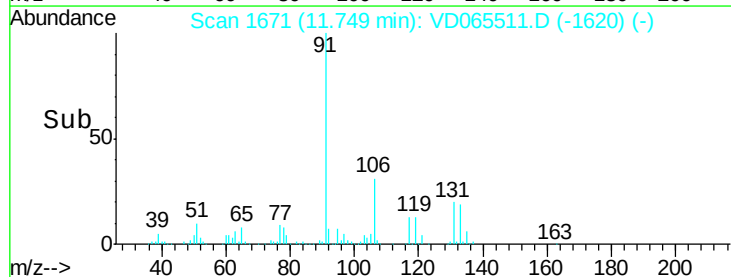
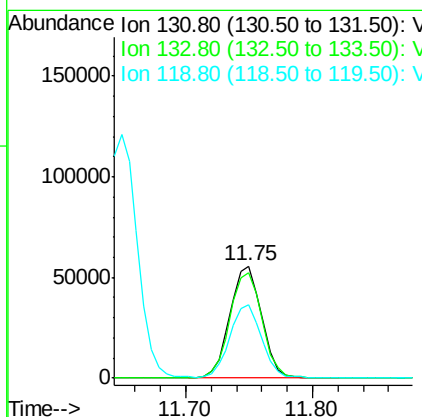
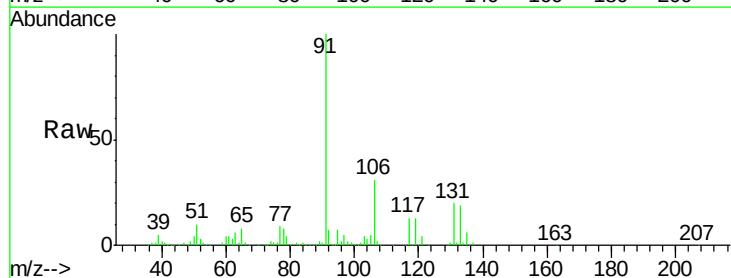
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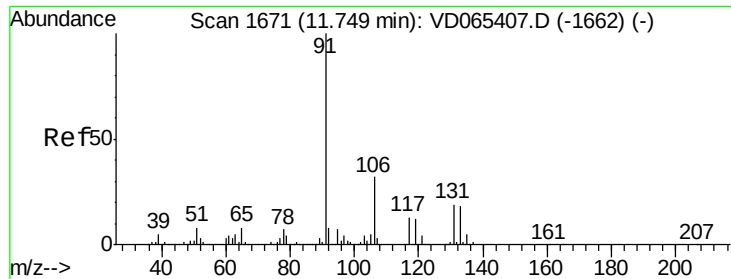
MMDadoda
3/17/2020 12:09:53 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.389 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065511.D
Acq: 16 Mar 2020 14:20

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.4	49.2	147.6
119	65.6	33.3	99.8





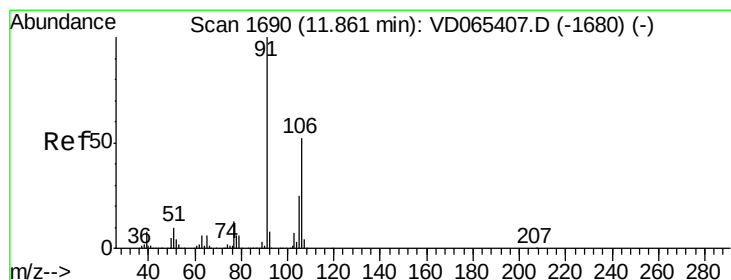
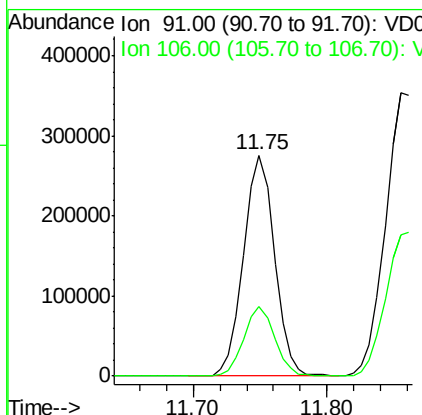
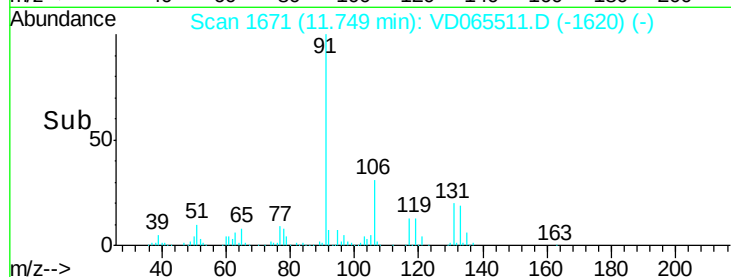
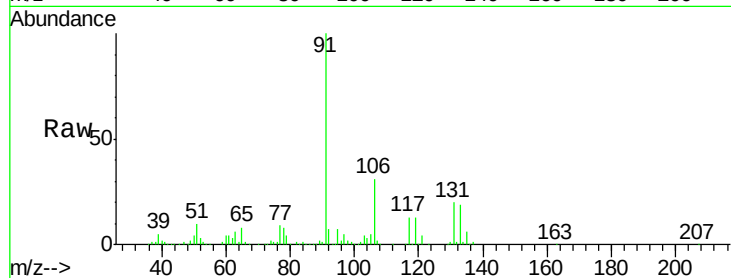
#67
Ethyl Benzene
Concen: 19.747 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065511.D
Acq: 16 Mar 2020 14:20

Instrument :
MSVOA_D
ClientSampleId :
VD0316SBS01

Tot Ion: 91 Resp: 442878
Ion Ratio Lower Upper
91 100
106 31.3 25.2 37.8

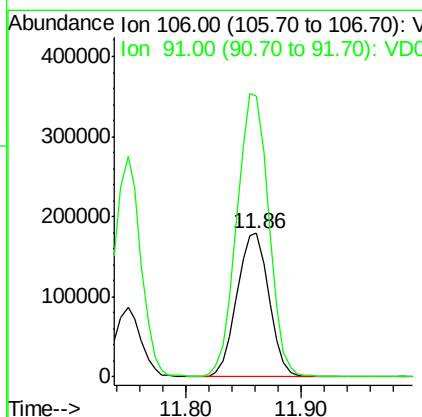
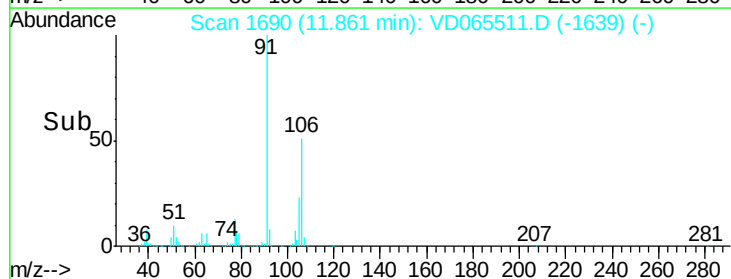
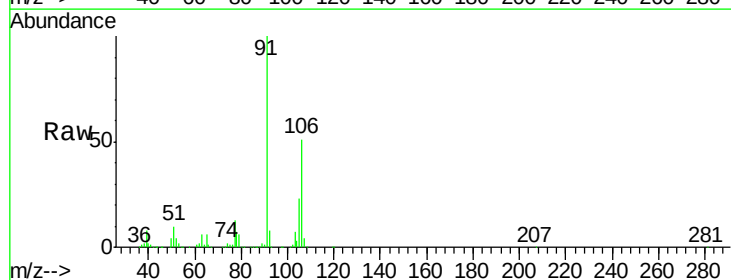
Manual Integrations
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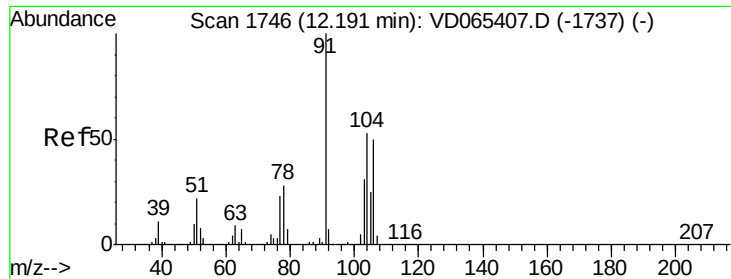
MMDadoda
3/17/2020 12:09:53 PM



#68
m/p-Xylenes
Concen: 40.115 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VD065511.D
Acq: 16 Mar 2020 14:20

Tgt Ion: 106 Resp: 346912
Ion Ratio Lower Upper
106 100
91 196.9 155.9 233.9





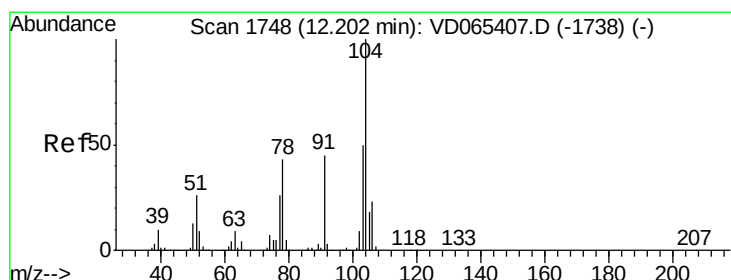
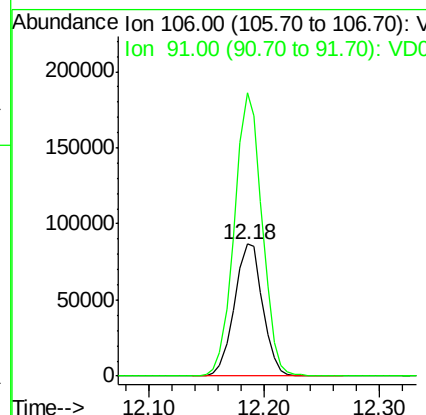
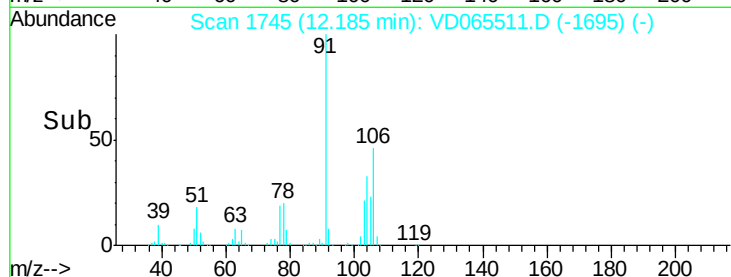
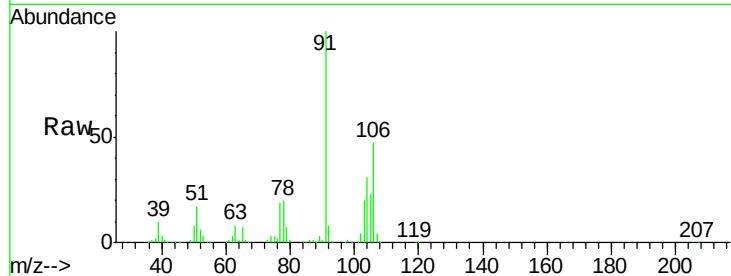
#69
o-Xylene
Concen: 19.397 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VD065511.D
Acq: 16 Mar 2020 14:20

Instrument :
MSVOA_D
ClientSampleId :
VD0316SBS01

Tot Ion:106 Resp: 147555
Ion Ratio Lower Upper
106 100
91 210.0 103.5 310.3

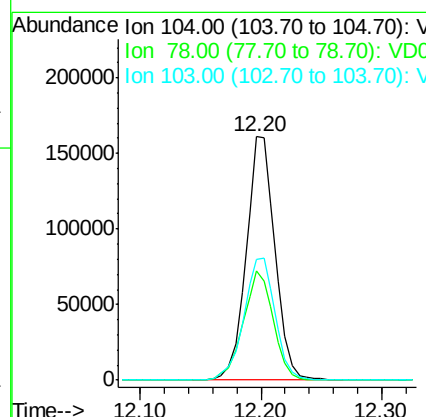
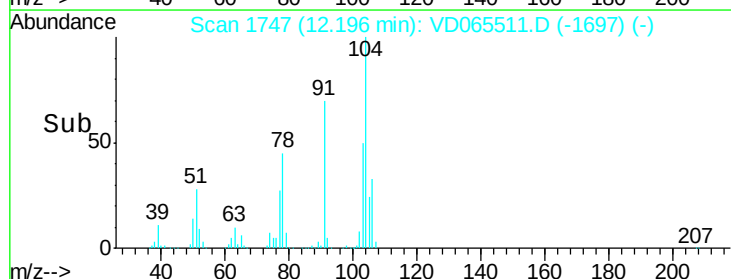
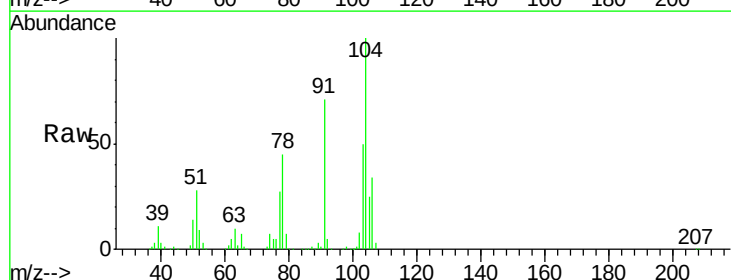
Manual Integrations
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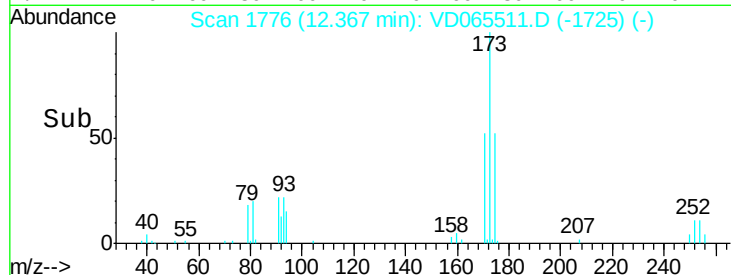
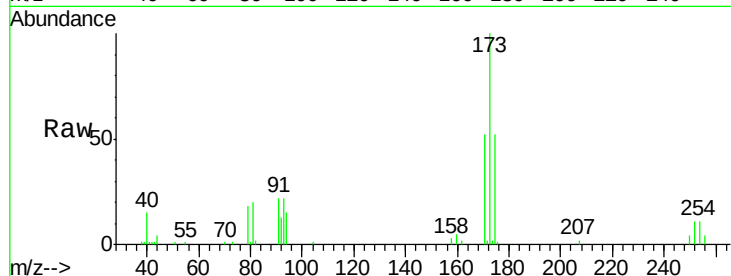
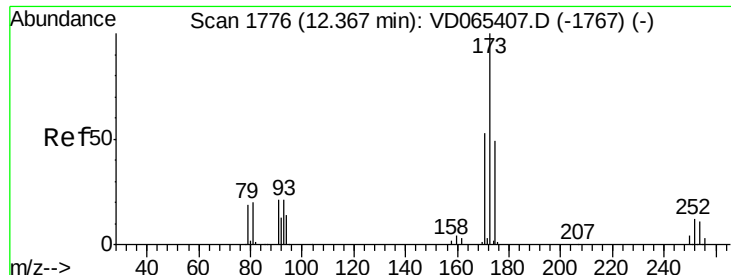
MMDadoda
3/17/2020 12:09:53 PM



#70
Styrene
Concen: 19.955 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD065511.D
Acq: 16 Mar 2020 14:20

Tgt Ion:104 Resp: 267156
Ion Ratio Lower Upper
104 100
78 46.9 37.7 56.5
103 54.5 43.6 65.4





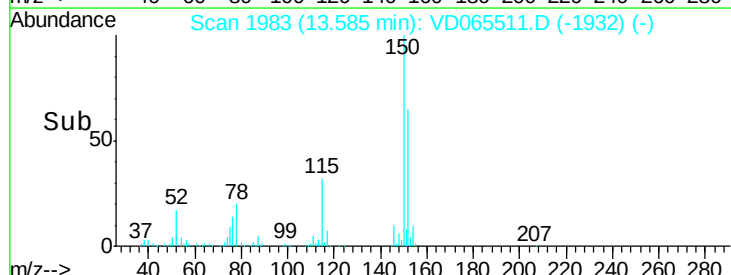
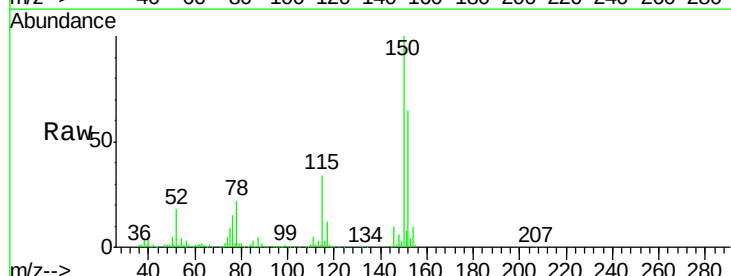
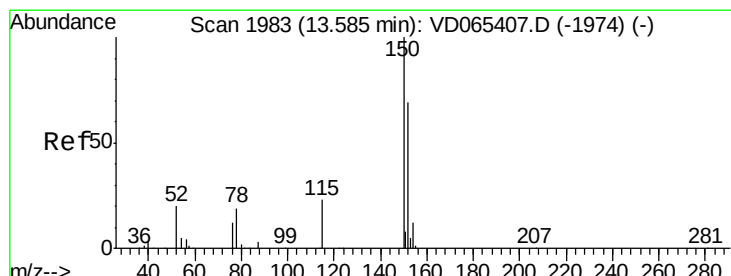
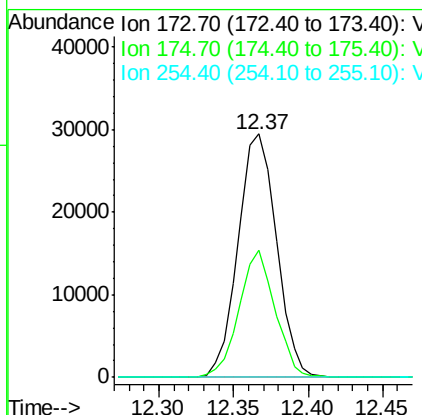
#71
Bromoform
Concen: 19.880 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD065511.D
Acq: 16 Mar 2020 14:20

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.3	73.0
254	0.0	0.1	0.1#

Instrument :
MSVOA_D
ClientSampleId :
VD0316SBS01

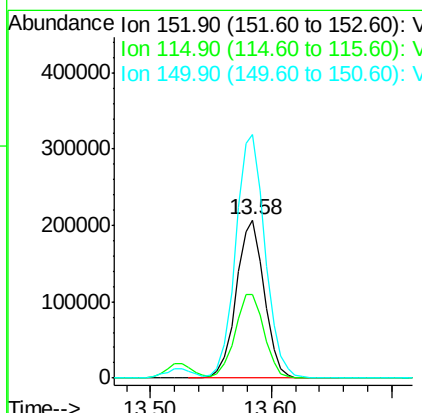
Manual Integrations
APPROVED

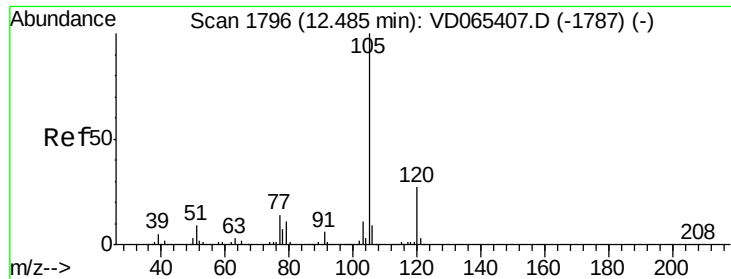
MMDadoda
3/17/2020 12:09:53 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065511.D
Acq: 16 Mar 2020 14:20

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.8	27.6	82.8
150	162.2	0.0	345.0





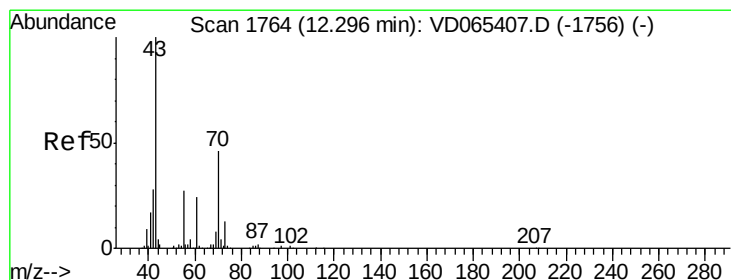
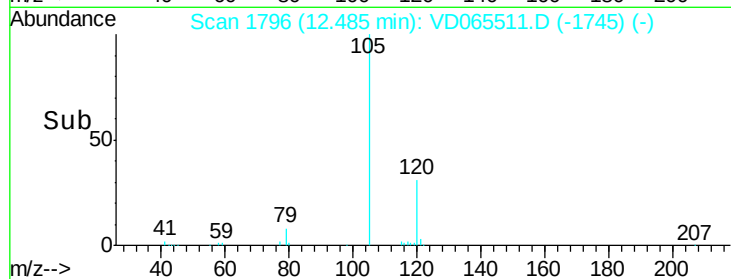
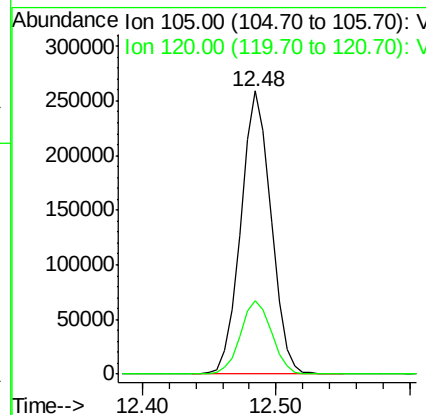
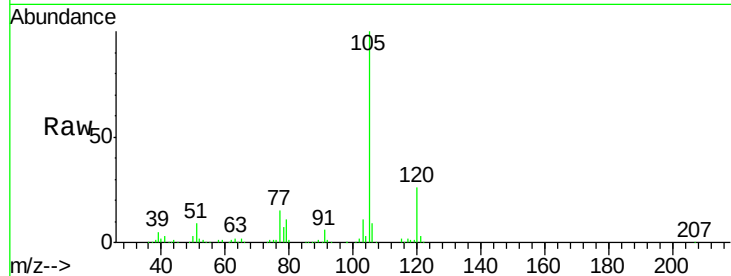
#73
Isopropylbenzene
Concen: 18.479 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD065511.D
Acq: 16 Mar 2020 14:20

Instrument :
MSVOA_D
ClientSampleId :
VD0316SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.5	40.4

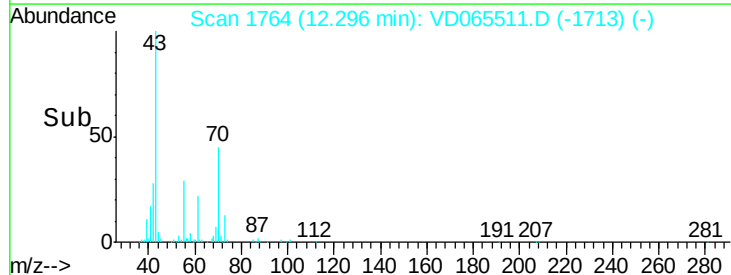
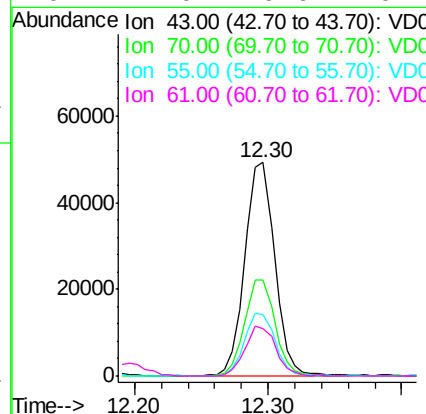
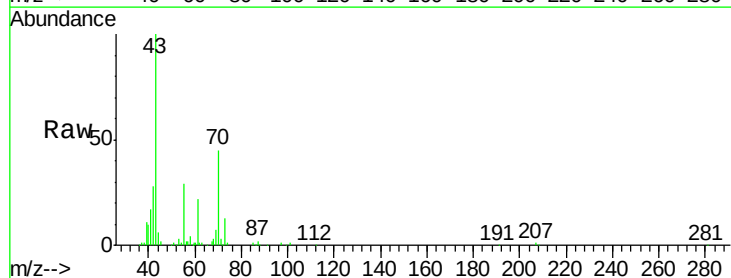
Manual Integrations
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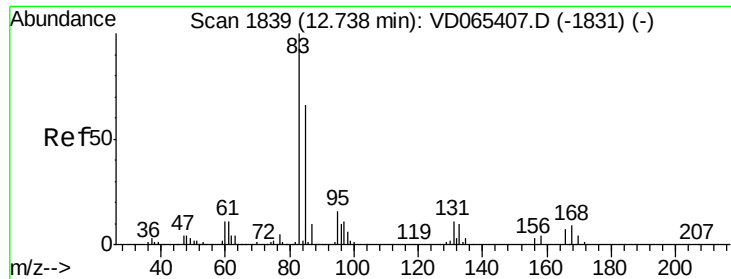
MMDadoda
3/17/2020 12:09:53 PM



#74
N-ethyl acetate
Concen: 17.006 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. 0.00 min
Lab File: VD065511.D
Acq: 16 Mar 2020 14:20

Tgt Ion	Ratio	Lower	Upper
43	100		
70	45.7	36.1	54.1
55	30.1	21.6	32.4
61	24.0	19.6	29.4





#75

1,1,2,2-Tetrachloroethane

Concen: 18.603 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065511.D

Acq: 16 Mar 2020 14:20

Instrument :

MSVOA_D

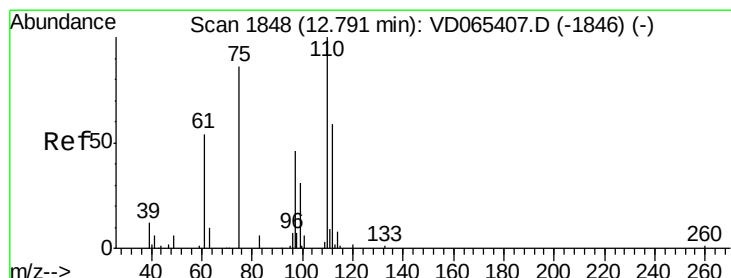
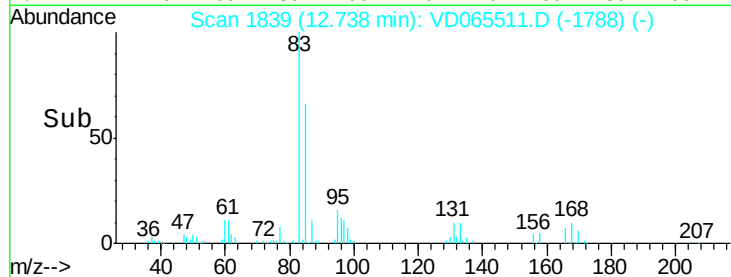
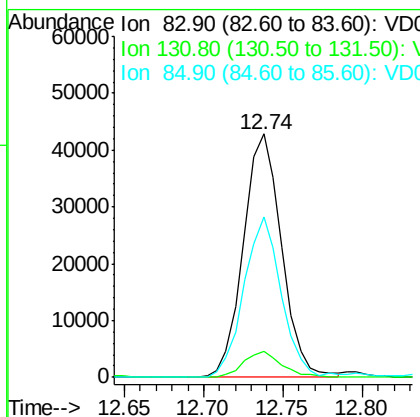
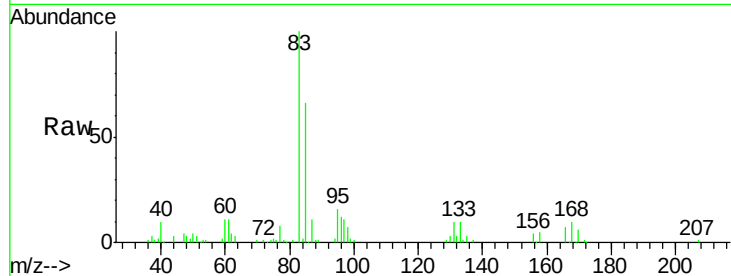
ClientSampleId :

VD0316SBS01

Tot Ion:	83	Resp:	71808
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.4	16.2
85	64.8	33.0	98.9

Manual Integrations
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3/17/2020 12:09:53 PM



#76

1,2,3-Trichloropropane

Concen: 21.294 ug/l m

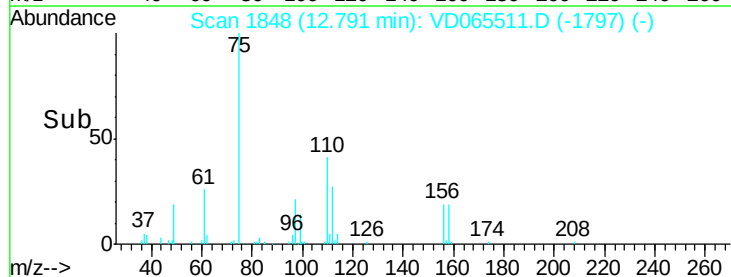
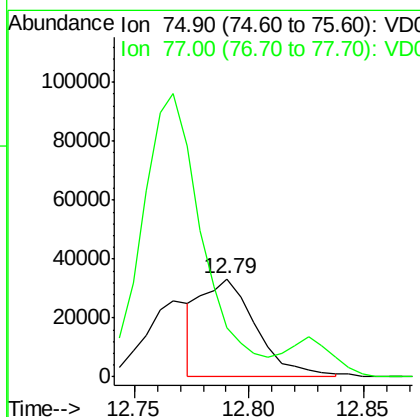
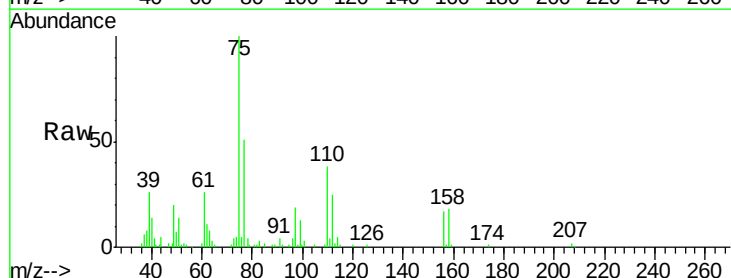
RT: 12.79 min Scan# 1848

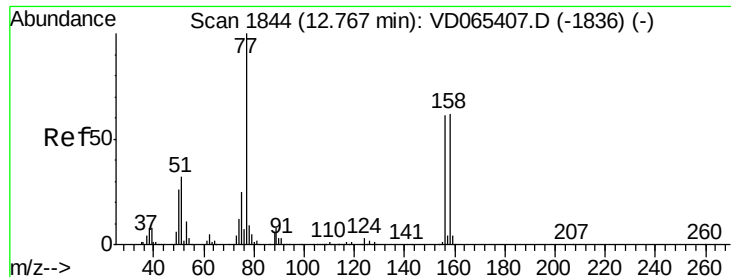
Delta R.T. 0.00 min

Lab File: VD065511.D

Acq: 16 Mar 2020 14:20

Tgt Ion:	75	Resp:	56097
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.862 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065511.D

Acq: 16 Mar 2020 14:20

Instrument :

MSVOA_D

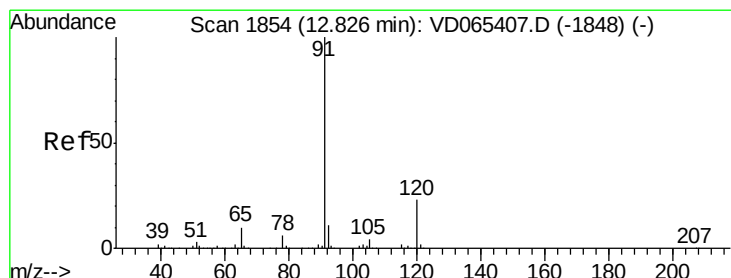
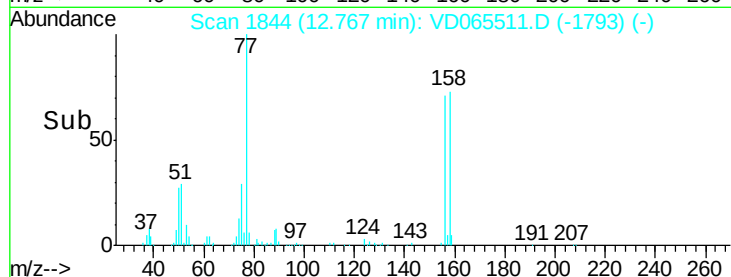
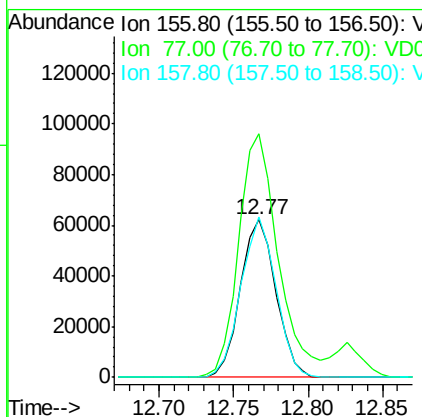
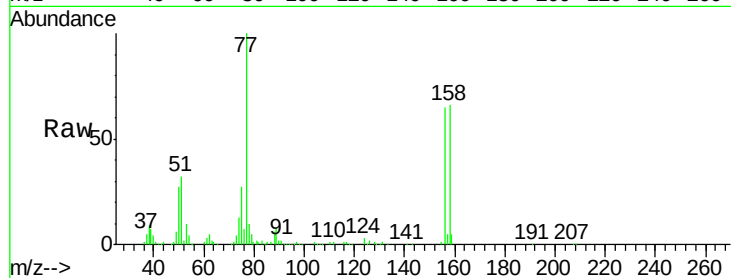
ClientSampleId :

VD0316SBS01

Tot Ion:	156	Resp:	102906
Ion	Ratio	Lower	Upper
156	100		
77	171.5	84.9	254.6
158	100.2	49.0	147.2

Manual Integrations
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#78

n-propylbenzene

Concen: 19.165 ug/l

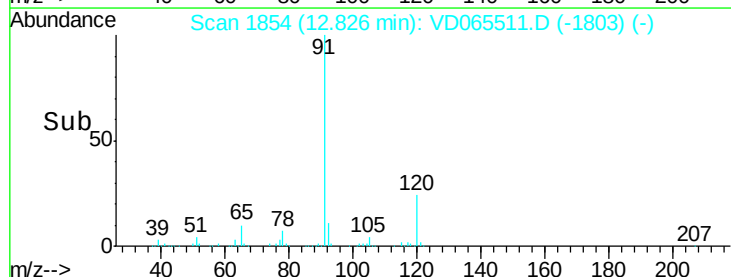
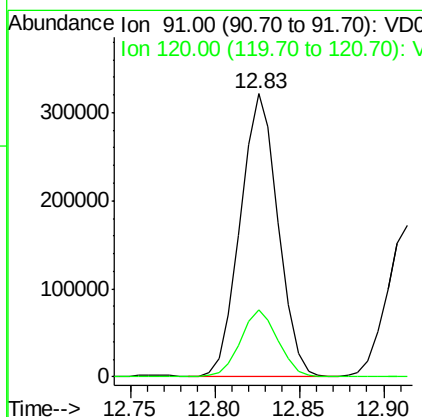
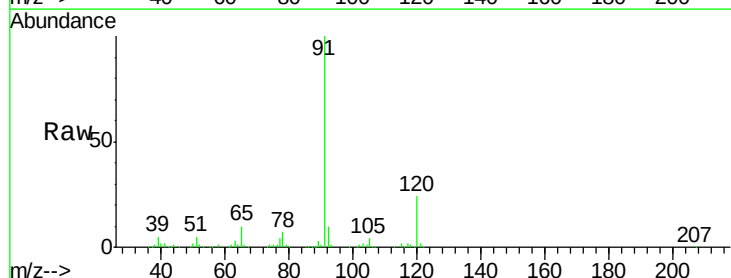
RT: 12.83 min Scan# 1854

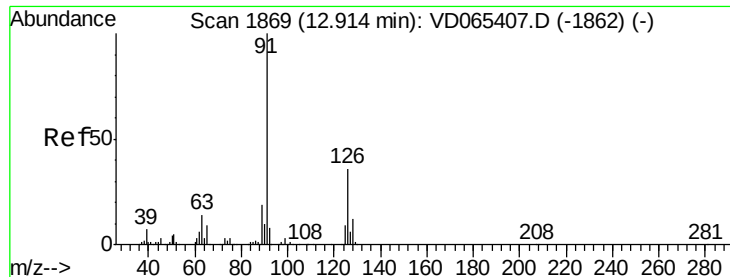
Delta R.T. 0.00 min

Lab File: VD065511.D

Acq: 16 Mar 2020 14:20

Tgt Ion:	91	Resp:	499339
Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.9	35.5





#79

2-Chlorotoluene

Concen: 19.102 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065511.D

Acq: 16 Mar 2020 14:20

Instrument :

MSVOA_D

ClientSampleId :

VD0316SBS01

Tot Ion: 91 Resp: 280494

Ion Ratio Lower Upper

91 100

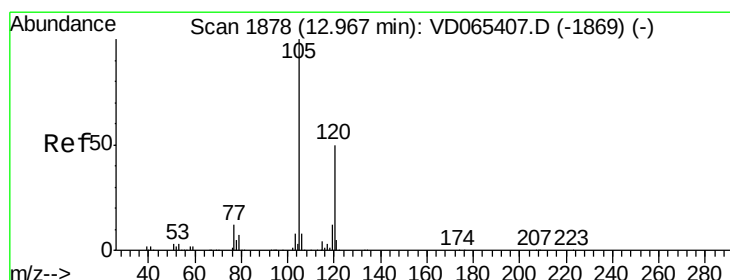
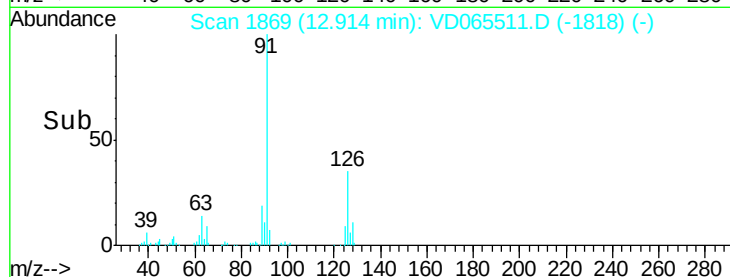
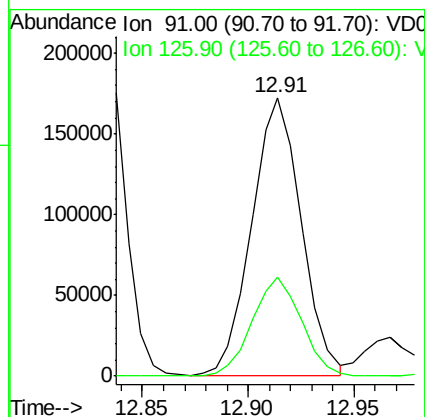
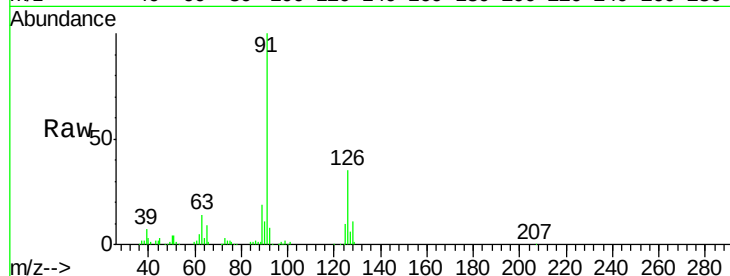
126 35.5 17.9 53.8

Manual Integrations

APPROVED

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#80

1,3,5-Trimethylbenzene

Concen: 19.405 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065511.D

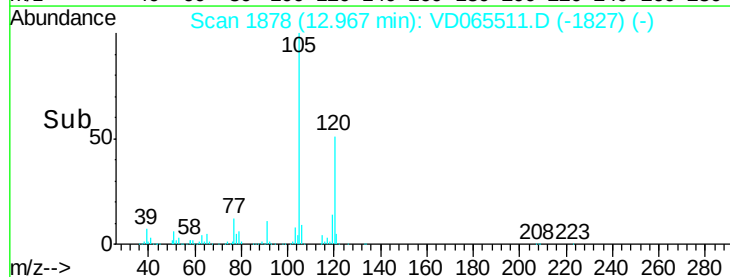
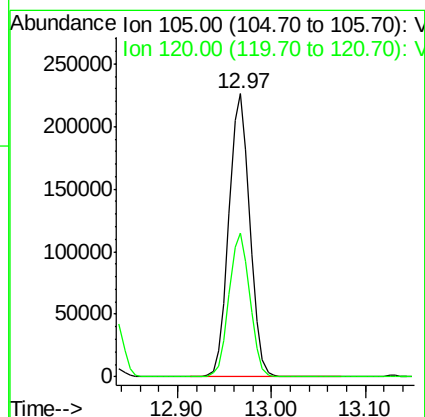
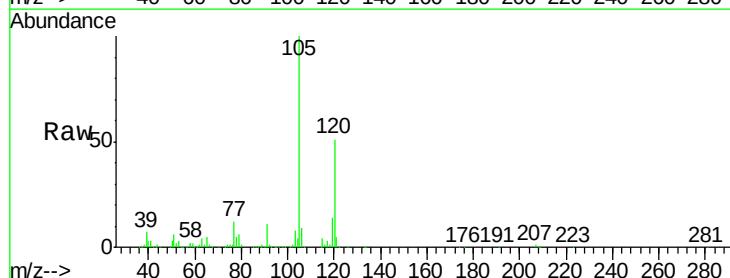
Acq: 16 Mar 2020 14:20

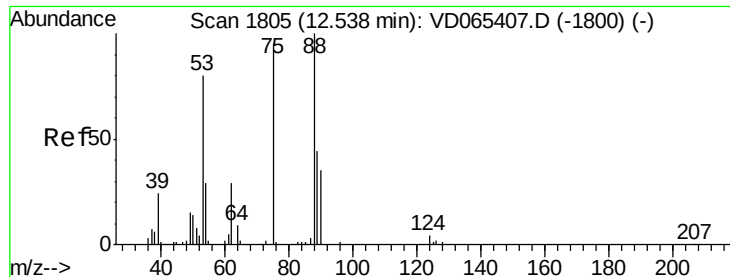
Tgt Ion: 105 Resp: 350316

Ion Ratio Lower Upper

105 100

120 50.9 25.4 76.0





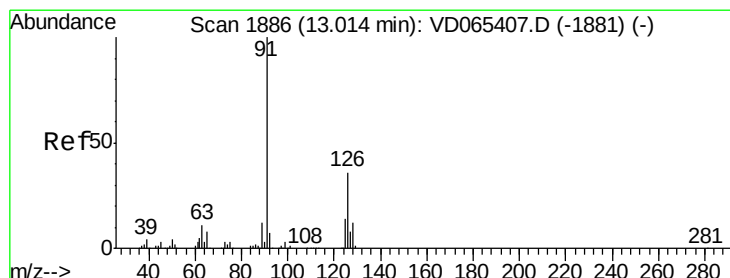
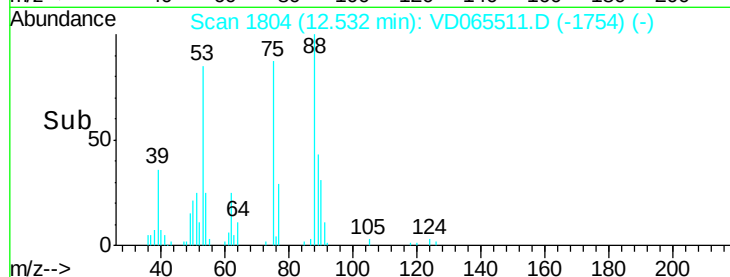
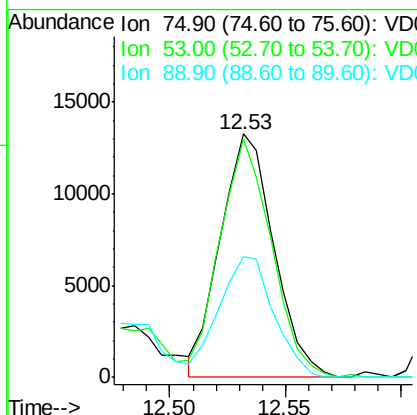
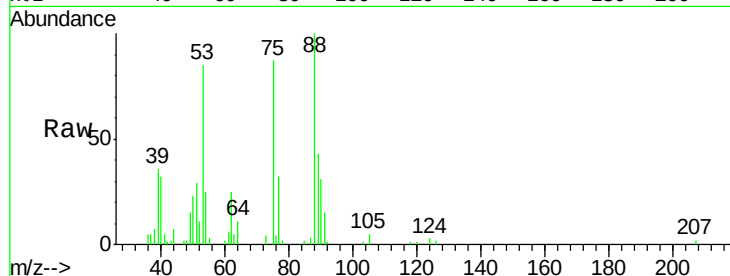
#81
trans-1,4-Dichloro-2-butene
Concen: 17.113 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.01 min
Lab File: VD065511.D
Acq: 16 Mar 2020 14:20

Instrument :
MSVOA_D
ClientSampleId :
VD0316SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.0	71.3	106.9
89	50.7	37.0	55.6

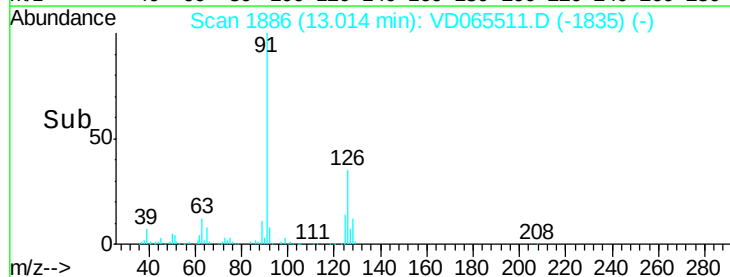
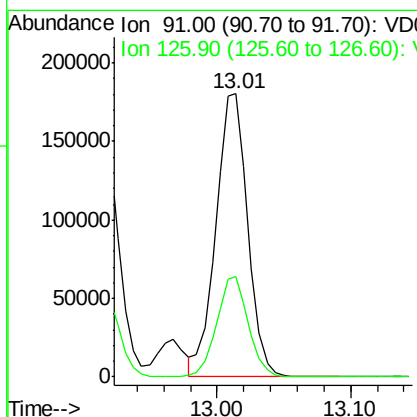
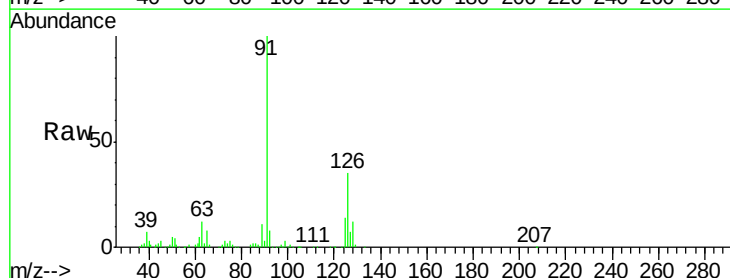
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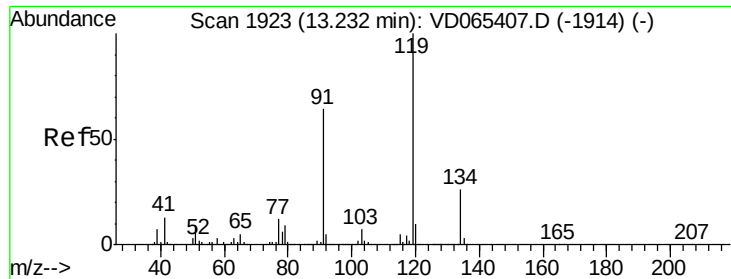
MMDadoda
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#82
4-Chlorotoluene
Concen: 19.515 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VD065511.D
Acq: 16 Mar 2020 14:20

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.1	17.6	52.8





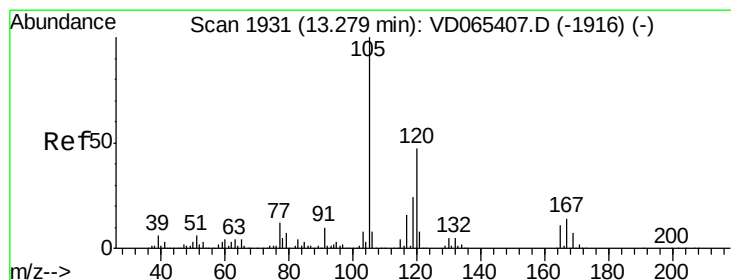
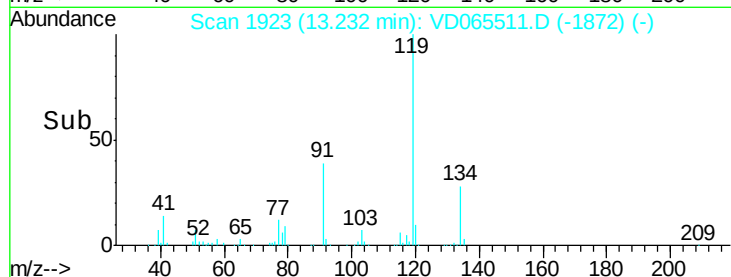
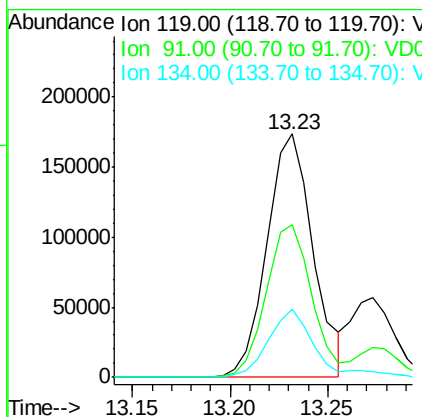
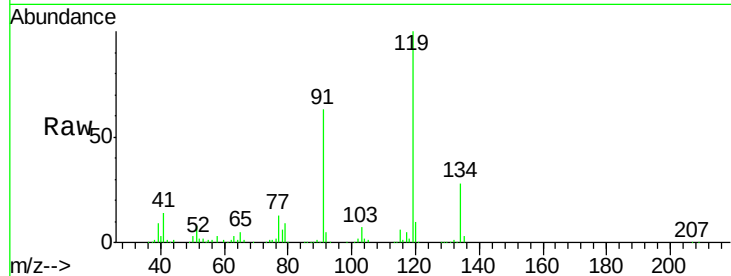
#83
tert-Butylbenzene
Concen: 18.634 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065511.D
Acq: 16 Mar 2020 14:20

Instrument :
MSVOA_D
ClientSampleId :
VD0316SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	284592		
91	61.7		31.6	95.0
134	28.2		14.2	42.8

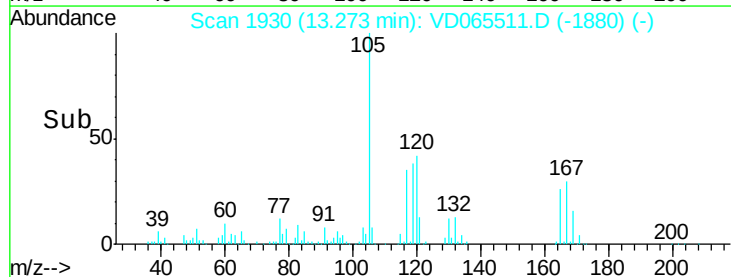
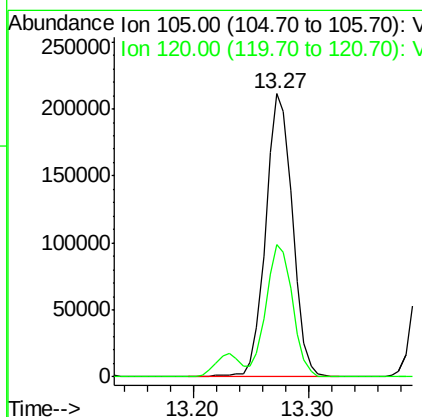
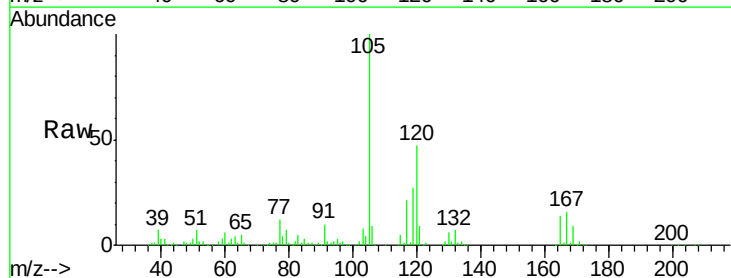
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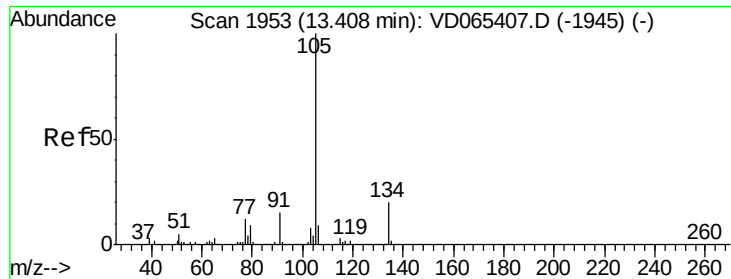
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#84
1,2,4-Trimethylbenzene
Concen: 19.270 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.01 min
Lab File: VD065511.D
Acq: 16 Mar 2020 14:20

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	342910		
120	46.0		23.4	70.3





#85

sec-Butylbenzene

Concen: 18.796 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065511.D

Acq: 16 Mar 2020 14:20

Instrument :

MSVOA_D

ClientSampleId :

VD0316SBS01

Tot Ion:105 Resp: 409764

Ion Ratio Lower Upper

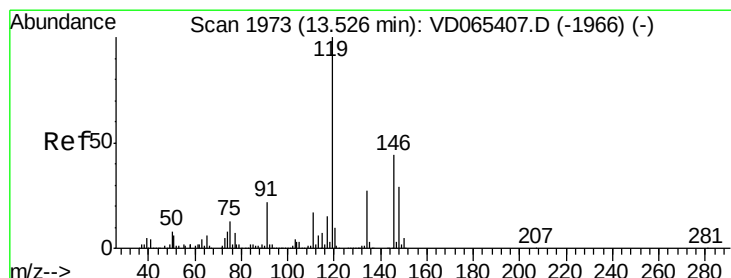
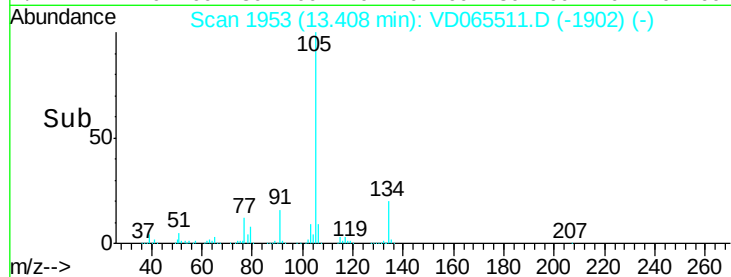
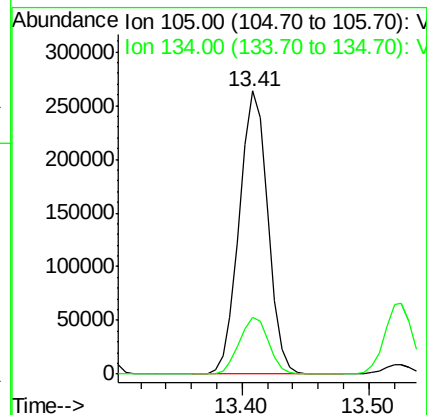
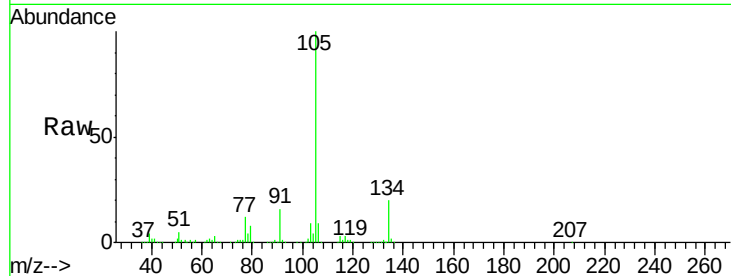
105 100

134 20.8 10.3 30.9

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 18.983 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065511.D

Acq: 16 Mar 2020 14:20

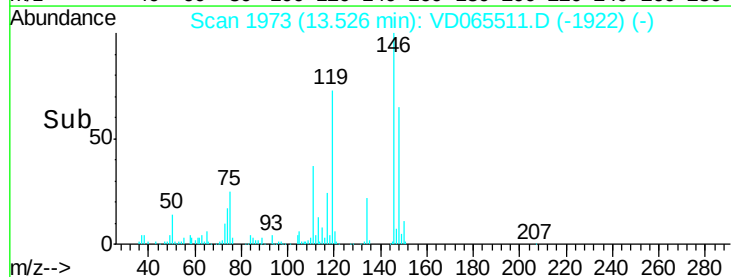
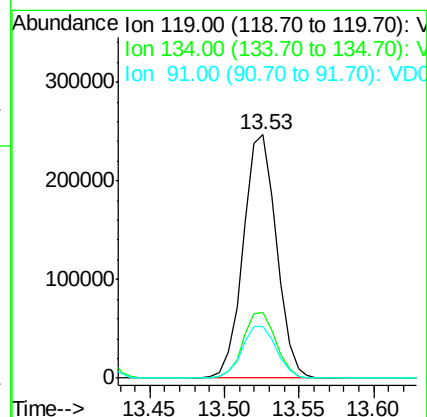
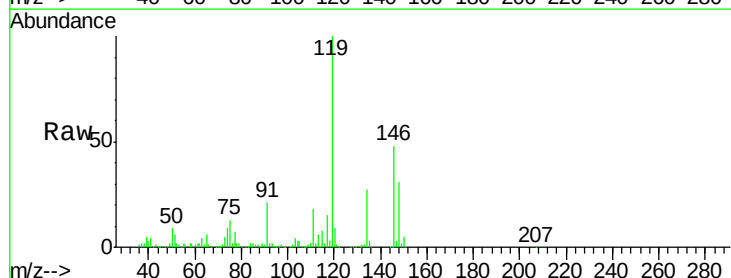
Tgt Ion:119 Resp: 377643

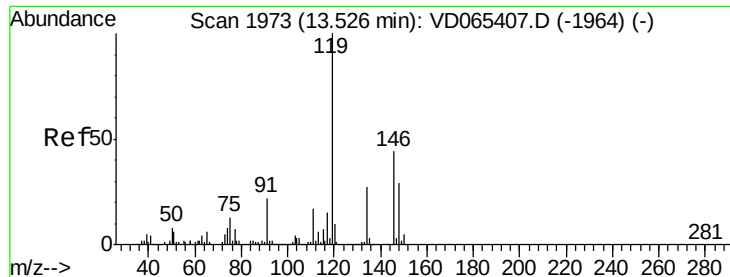
Ion Ratio Lower Upper

119 100

134 27.0 13.3 39.9

91 22.1 10.9 32.6





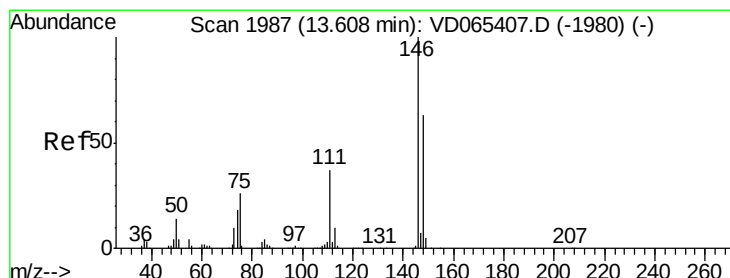
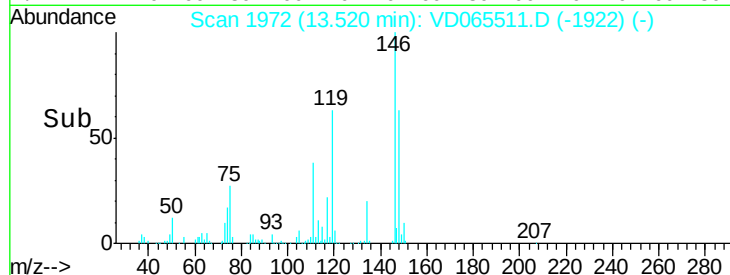
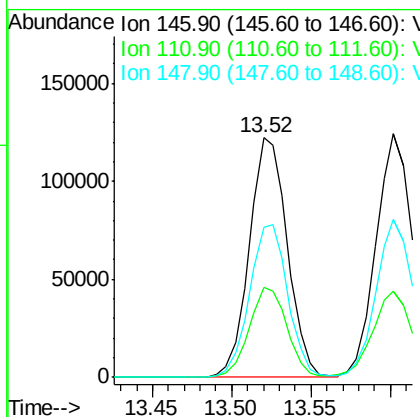
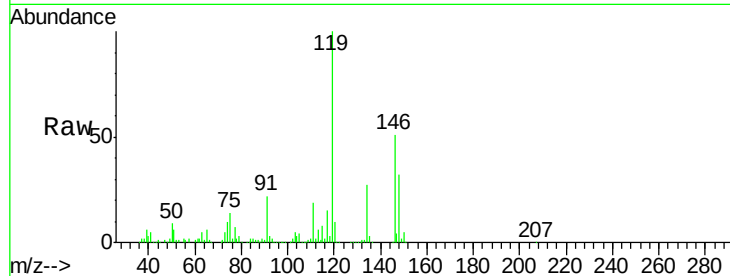
#87
 1,3-Dichlorobenzene
 Concen: 19.382 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD065511.D
 Acq: 16 Mar 2020 14:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0316SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	19.1	57.1
148	64.3	32.3	96.8

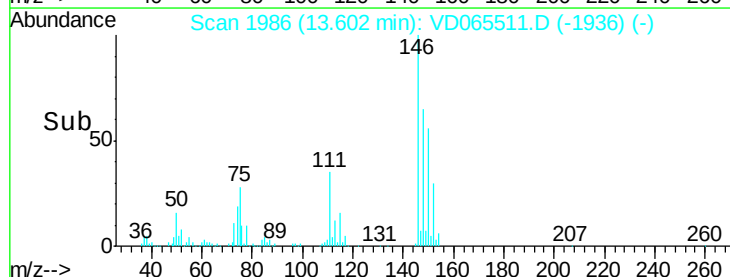
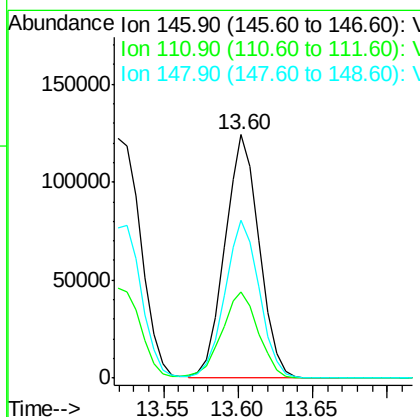
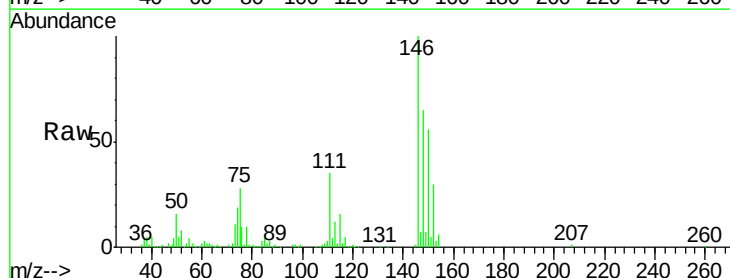
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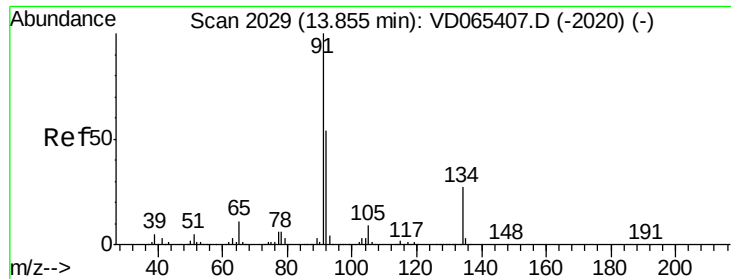
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#88
 1,4-Dichlorobenzene
 Concen: 19.128 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.01 min
 Lab File: VD065511.D
 Acq: 16 Mar 2020 14:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.5	55.5
148	65.4	32.0	96.0





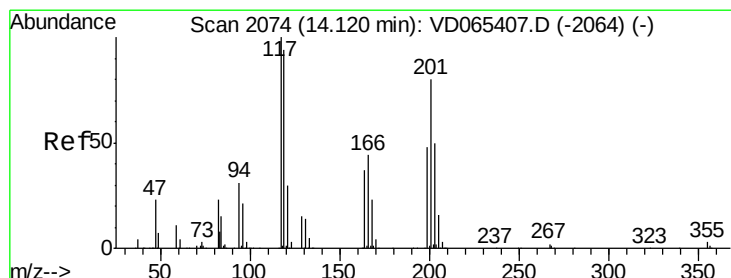
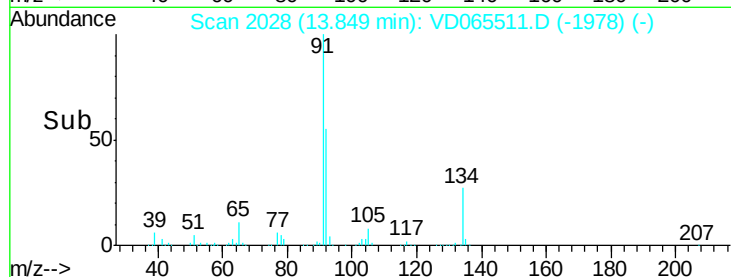
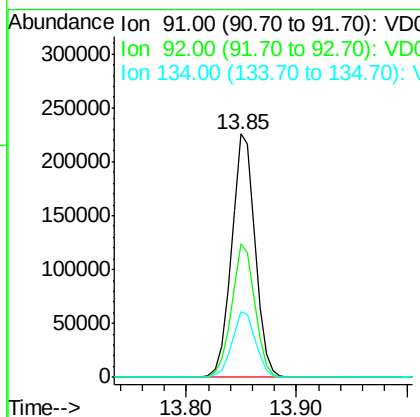
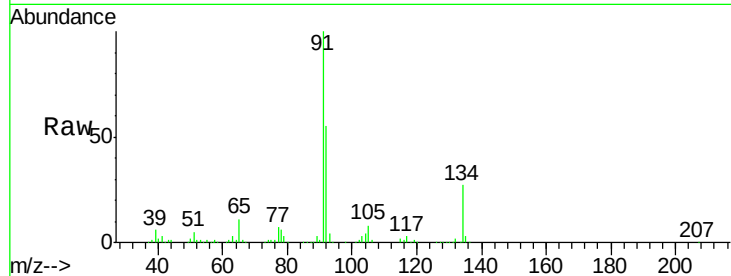
#89
n-Butylbenzene
Concen: 18.308 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD065511.D
Acq: 16 Mar 2020 14:20

Instrument :
MSVOA_D
ClientSampleId :
VD0316SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.2	26.8	80.4
134	27.0	13.4	40.2

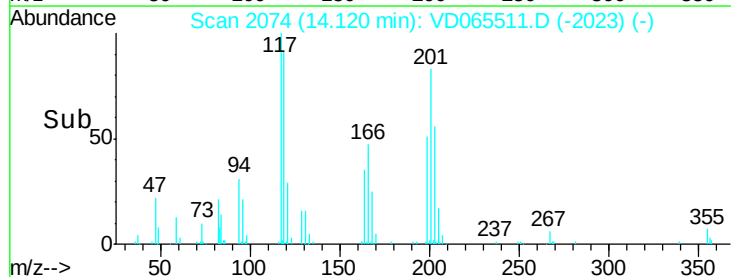
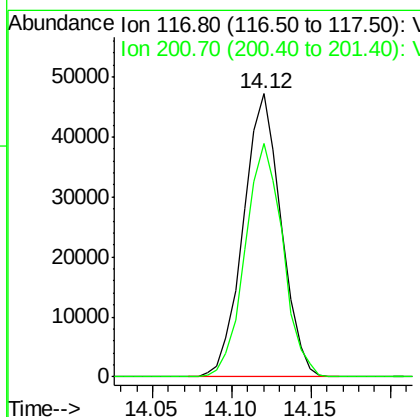
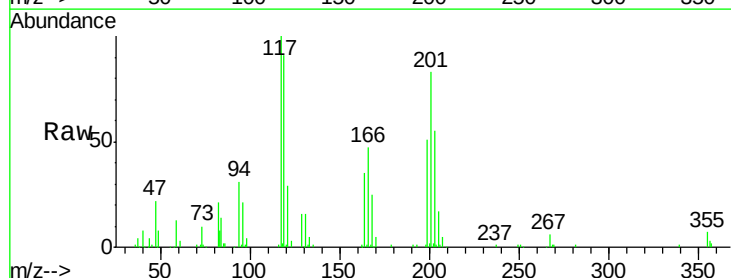
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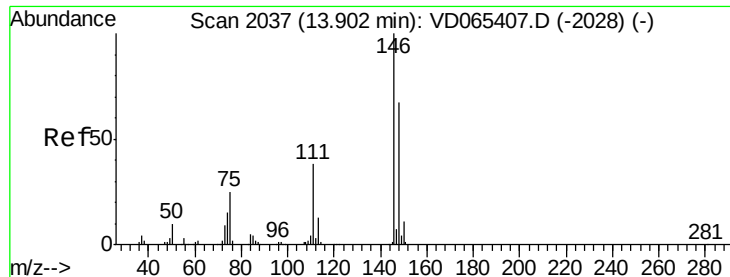
MMDadoda
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#90
Hexachloroethane
Concen: 19.076 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065511.D
Acq: 16 Mar 2020 14:20

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.3	41.9	125.6





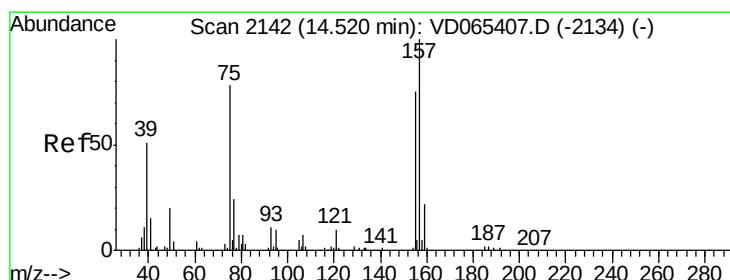
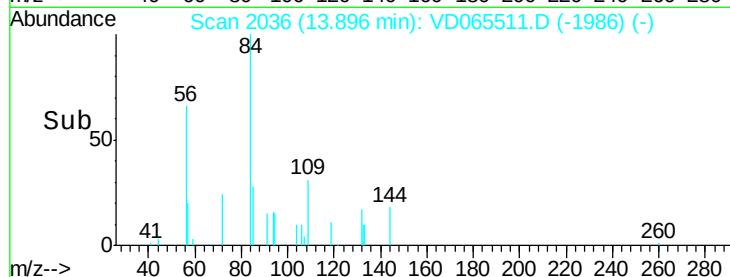
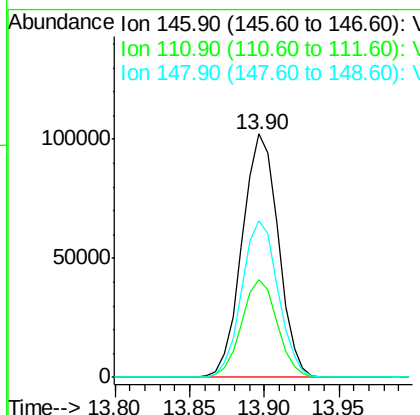
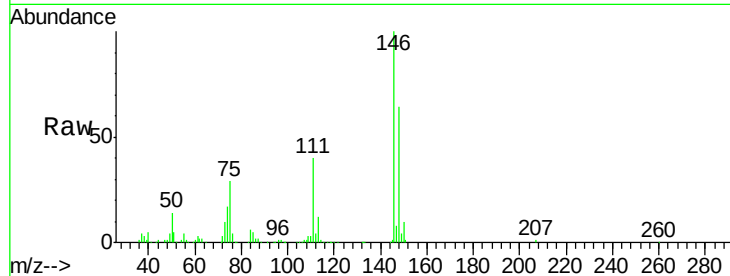
#91
 1,2-Dichlorobenzene
 Concen: 19.204 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065511.D
 Acq: 16 Mar 2020 14:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0316SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.8	59.3
148	64.6	32.6	97.8

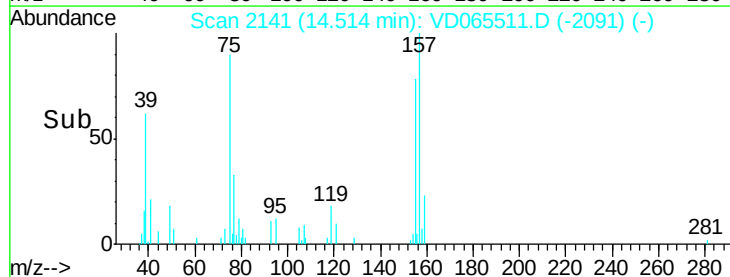
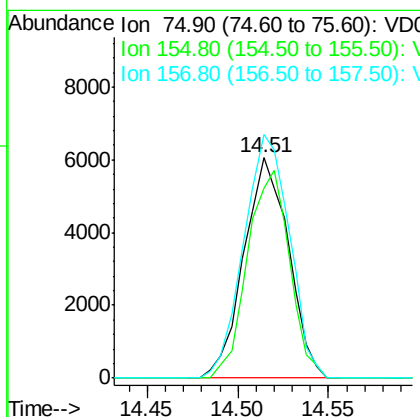
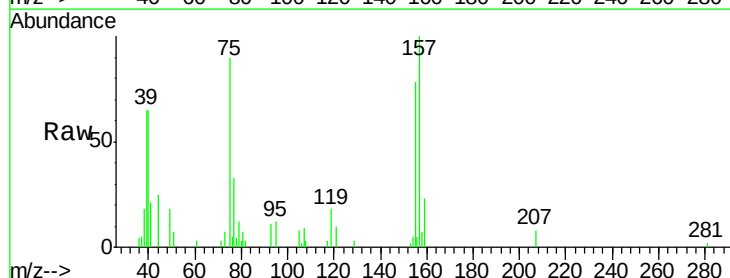
Manual Integrations
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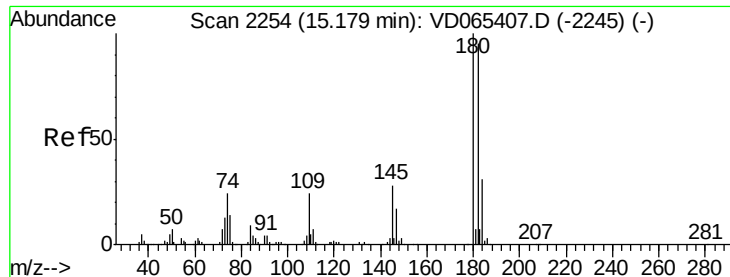
MMDadoda
 3/17/2020 12:09:53 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.659 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD065511.D
 Acq: 16 Mar 2020 14:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.7	46.4	139.1
157	113.0	60.2	180.4





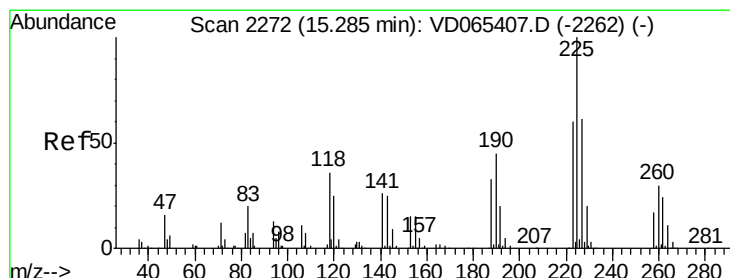
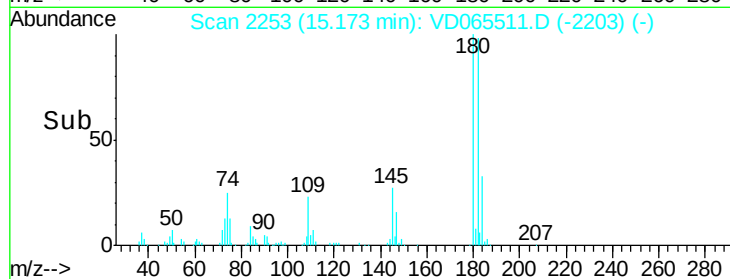
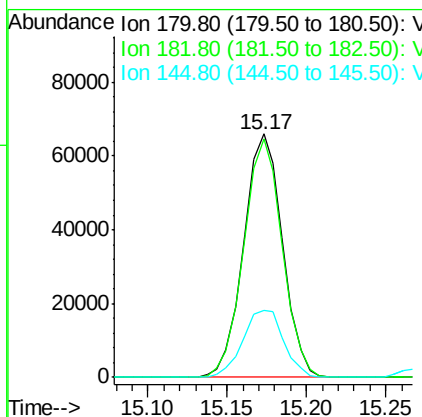
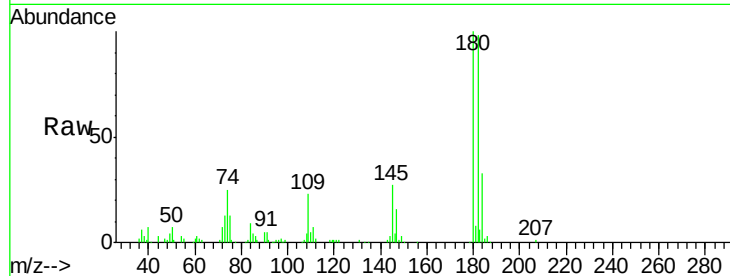
#93
 1,2,4-Trichlorobenzene
 Concen: 18.568 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065511.D
 Acq: 16 Mar 2020 14:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0316SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	112334		
182	97.0	48.3	144.9	
145	29.1	14.4	43.4	

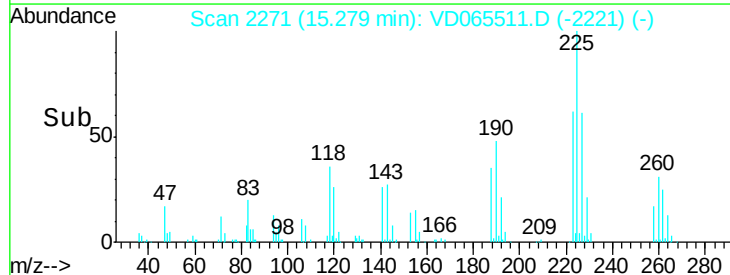
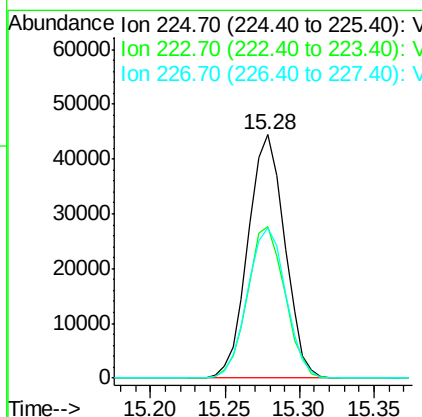
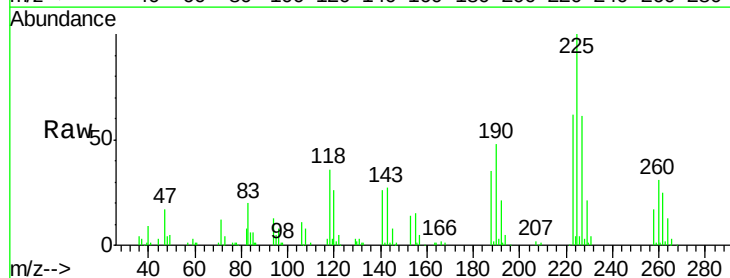
Manual Integrations
 APPROVED

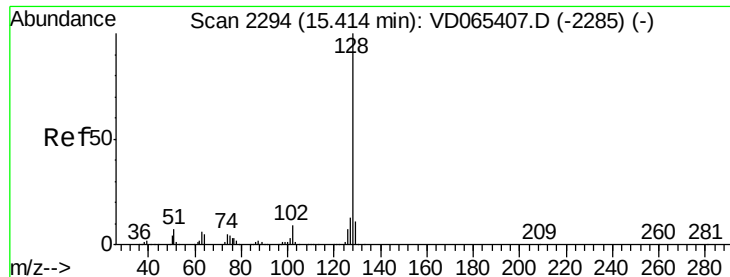
MMDadoda
 3/17/2020 12:09:53 PM



#94
 Hexachlorobutadiene
 Concen: 19.069 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: VD065511.D
 Acq: 16 Mar 2020 14:20

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	75802		
223	63.1	30.9	92.5	
227	64.2	31.6	94.7	





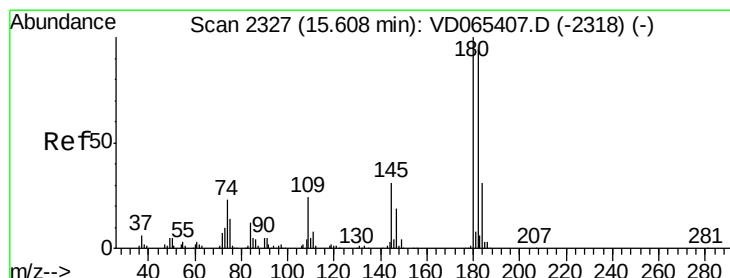
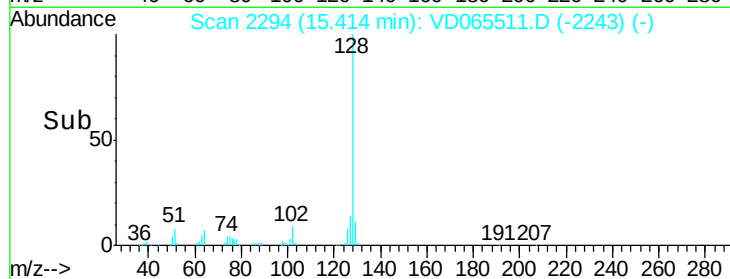
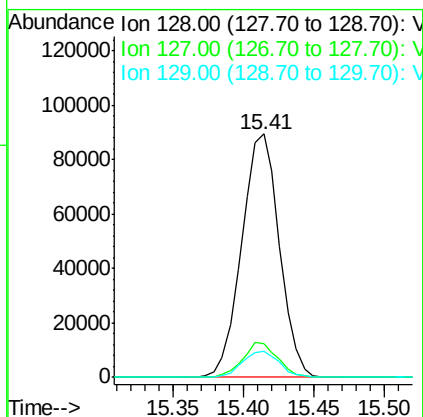
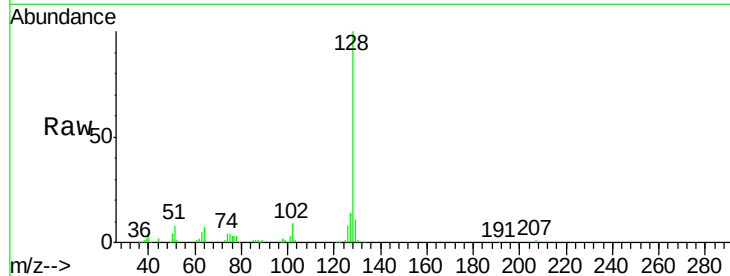
#95
Naphthalene
Concen: 18.554 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065511.D
Acq: 16 Mar 2020 14:20

Instrument :
MSVOA_D
ClientSampleId :
VD0316SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	16.0
129	10.5	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/17/2020 12:09:53 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.099 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.01 min
Lab File: VD065511.D
Acq: 16 Mar 2020 14:20

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	46.9	140.6
145	30.3	15.0	45.1

