

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021920\
 Data File : VD065235.D
 Acq On : 19 Feb 2020 13:29
 Operator : VA/SY
 Sample : VD0219SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0219SBS01

Manual Integrations
 APPROVED

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 2/21/2020 5:25:42 PM

Quant Time: Feb 20 04:24:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	473319	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	699232	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	638998	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	304575	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	221400	52.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.00%	
35) Dibromofluoromethane	7.92	113	228932	53.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.40%	
50) Toluene-d8	10.34	98	901907	55.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.68%	
62) 4-Bromofluorobenzene	12.64	95	281476	54.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	74774	18.835	ug/l	97
3) Chloromethane	2.21	50	100991	19.986	ug/l	97
4) Vinyl Chloride	2.35	62	103430	20.130	ug/l	96
5) Bromomethane	2.76	94	63073	20.302	ug/l	92
6) Chloroethane	2.92	64	64159	20.456	ug/l	95
7) Trichlorofluoromethane	3.27	101	150432	20.449	ug/l	95
8) Diethyl Ether	3.70	74	43492	19.586	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	95383	20.532	ug/l	99
10) Methyl Iodide	4.29	142	91616	18.994	ug/l	98
11) Tert butyl alcohol	5.26	59	22728	89.325	ug/l	99
12) 1,1-Dichloroethene	4.06	96	88563	20.181	ug/l	97
13) Acrolein	3.93	56	41266	116.818	ug/l	96
14) Allyl chloride	4.71	41	146848	20.606	ug/l	98
15) Acrylonitrile	5.44	53	99826	101.542	ug/l	99
16) Acetone	4.17	43	93676	89.998	ug/l	100
17) Carbon Disulfide	4.40	76	304460	20.694	ug/l	99
18) Methyl Acetate	4.72	43	49642	21.205	ug/l	95
19) Methyl tert-butyl Ether	5.49	73	182503	19.943	ug/l	94
20) Methylene Chloride	4.97	84	110061	21.087	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	104633	20.974	ug/l	99
22) Diisopropyl ether	6.37	45	288121	20.973	ug/l	99
23) Vinyl Acetate	6.31	43	758207	100.111	ug/l	98
24) 1,1-Dichloroethane	6.27	63	175443	20.589	ug/l	98
25) 2-Butanone	7.22	43	121074	91.937	ug/l	98
26) 2,2-Dichloropropane	7.21	77	150946	20.417	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	105466	19.958	ug/l	98
28) Bromochloromethane	7.55	49	57596	18.219	ug/l	97
29) Tetrahydrofuran	7.57	42	79564	103.113	ug/l	97
30) Chloroform	7.71	83	177249	20.647	ug/l	94
31) Cyclohexane	7.99	56	168295	20.101	ug/l	94
32) 1,1,1-Trichloroethane	7.91	97	160366	20.878	ug/l	99
36) 1,1-Dichloropropene	8.11	75	140474	20.647	ug/l	100
37) Ethyl Acetate	7.30	43	55713	19.588	ug/l	99
38) Carbon Tetrachloride	8.10	117	144950	20.929	ug/l	96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	162843	20.359	ug/l	99
40) Benzene	8.36	78	404970	21.088	ug/l	100
41) Methacrylonitrile	7.53	41	35406	21.560	ug/l #	87
42) 1,2-Dichloroethane	8.43	62	108343	20.522	ug/l	100
43) Isopropyl Acetate	8.46	43	103781	20.065	ug/l	98
44) Trichloroethene	9.11	130	110505	20.759	ug/l	100
45) 1,2-Dichloropropane	9.39	63	97235	20.363	ug/l	97
46) Dibromomethane	9.48	93	51375	20.910	ug/l	100
47) Bromodichloromethane	9.67	83	133789	20.663	ug/l	97
48) Methyl methacrylate	9.46	41	49618	20.755	ug/l	98
49) 1,4-Dioxane	9.47	88	13152	456.414	ug/l	89
51) 4-Methyl-2-Pentanone	10.23	43	267726	101.914	ug/l	98
52) Toluene	10.41	92	257561	21.668	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	122816	20.464	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	148299	20.463	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	68647	19.851	ug/l	98
56) Ethyl methacrylate	10.67	69	78954	19.781	ug/l	98
57) 1,3-Dichloropropane	10.95	76	121184	20.590	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	113137	89.907	ug/l	100
59) 2-Hexanone	10.99	43	183219	97.431	ug/l	98
60) Dibromochloromethane	11.14	129	90512	20.449	ug/l	100
61) 1,2-Dibromoethane	11.25	107	67900	20.738	ug/l	98
64) Tetrachloroethene	10.88	164	94209	20.788	ug/l	95
65) Chlorobenzene	11.67	112	264095	20.595	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	98095	20.500	ug/l	99
67) Ethyl Benzene	11.75	91	464640	20.689	ug/l	98
68) m/p-Xylenes	11.86	106	361672	42.092	ug/l	100
69) o-Xylene	12.18	106	158976	20.884	ug/l	99
70) Styrene	12.20	104	282254	20.884	ug/l	99
71) Bromoform	12.37	173	53146	20.015	ug/l #	99
73) Isopropylbenzene	12.48	105	429737	21.312	ug/l	100
74) N-amyl acetate	12.30	43	90428	20.182	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	75200	20.664	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	49814m	19.223	ug/l	
77) Bromobenzene	12.77	156	106226	21.215	ug/l	99
78) n-propylbenzene	12.83	91	528115	21.794	ug/l	99
79) 2-Chlorotoluene	12.91	91	291351	21.463	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	358214	21.569	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	24599	20.496	ug/l	99
82) 4-Chlorotoluene	13.01	91	305350	21.188	ug/l	100
83) tert-Butylbenzene	13.23	119	293568	21.090	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	361270	21.733	ug/l	99
85) sec-Butylbenzene	13.41	105	432218	21.549	ug/l	100
86) p-Isopropyltoluene	13.53	119	388619	21.187	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	203806	21.054	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	198641	20.792	ug/l	99
89) n-Butylbenzene	13.85	91	358764	21.226	ug/l	99
90) Hexachloroethane	14.12	117	78139	20.981	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	173846	20.916	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11152	19.885	ug/l	96

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VD0219SBSD01

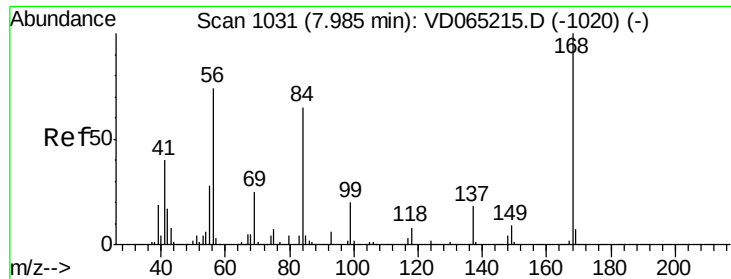
Manual Integrations
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2/21/2020 5:25:42 PM

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	113488	20.875	ug/l	98
94) Hexachlorobutadiene	15.28	225	72631	20.826	ug/l	99
95) Naphthalene	15.41	128	177409	20.073	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	99643	20.985	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065235.D

Acq: 19 Feb 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD0219SBS01

Tot Ion:168 Resp: 473319

Ion Ratio Lower Upper

168 100

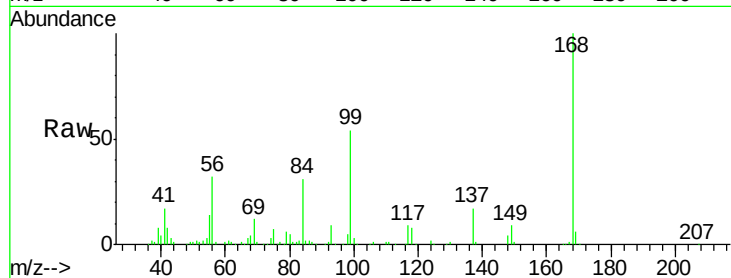
99 54.0 41.4 62.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

200000

150000

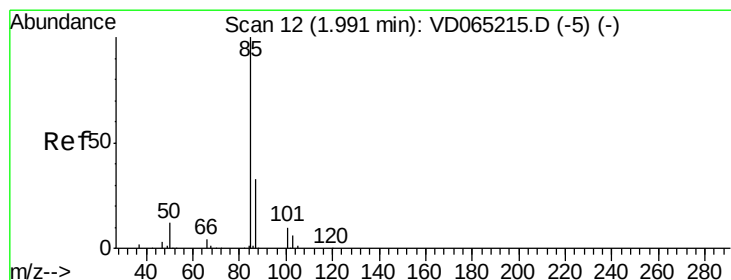
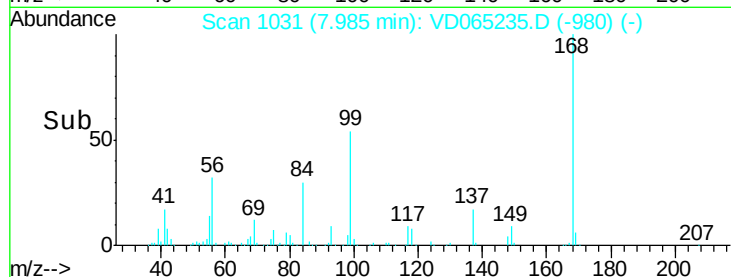
100000

50000

0

7.90 8.00 8.10 8.20

Time-->



#2

Dichlorodifluoromethane

Concen: 18.835 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065235.D

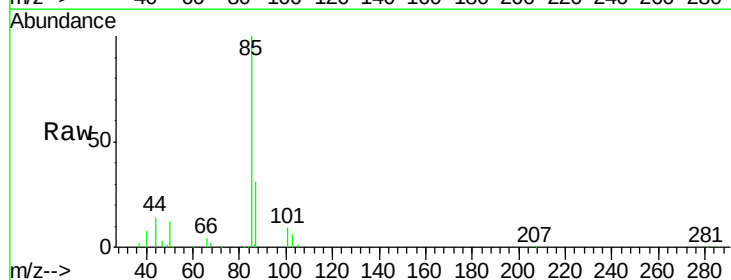
Acq: 19 Feb 2020 13:29

Tgt Ion: 85 Resp: 74774

Ion Ratio Lower Upper

85 100

87 30.8 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

50000

40000

30000

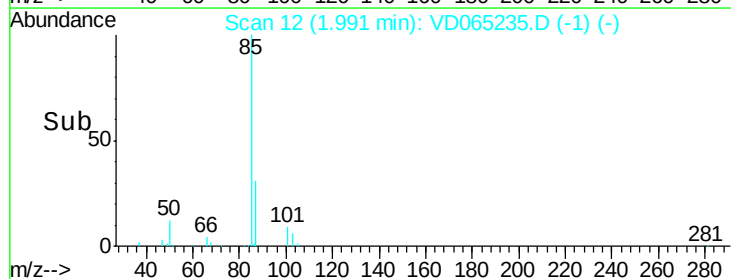
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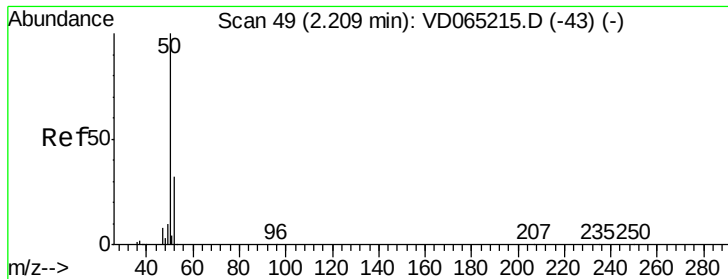
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0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 19.986 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065235.D

Acq: 19 Feb 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD0219SBS01

Tot Ion: 50 Resp: 100991

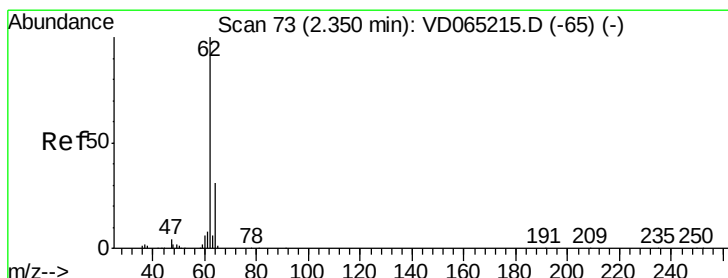
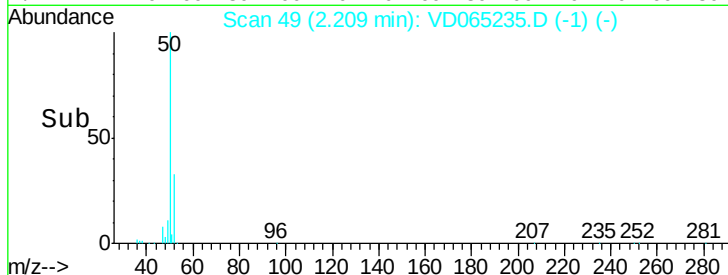
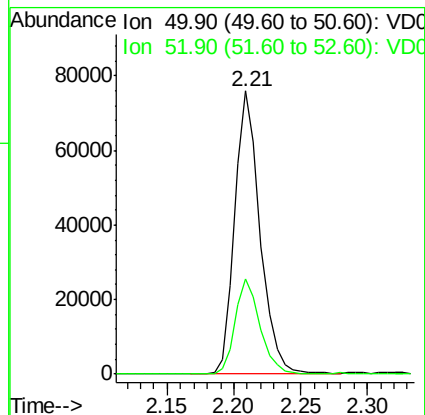
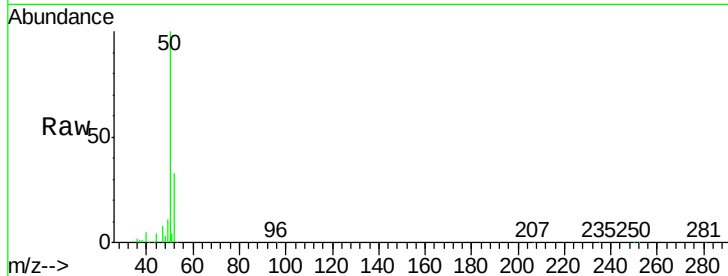
Ion Ratio Lower Upper

50 100

52 33.4 25.5 38.3

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#4

Vinyl Chloride

Concen: 20.130 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065235.D

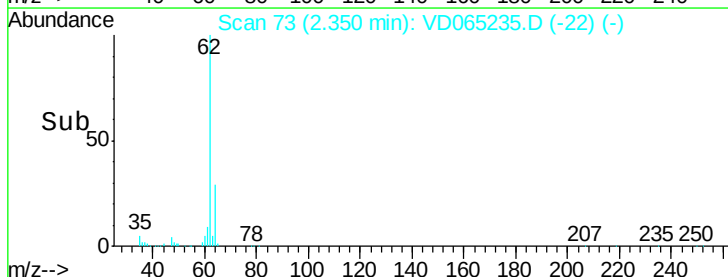
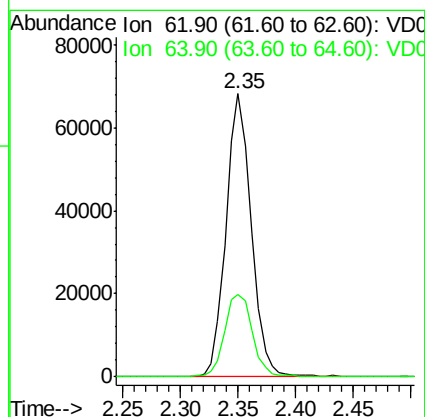
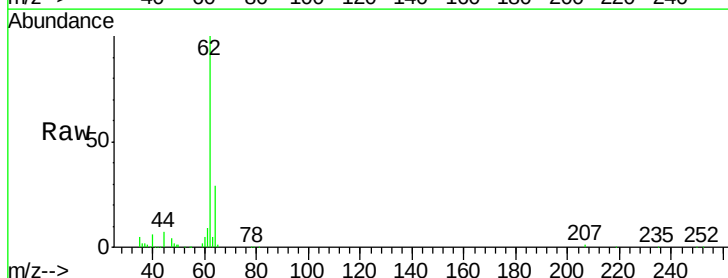
Acq: 19 Feb 2020 13:29

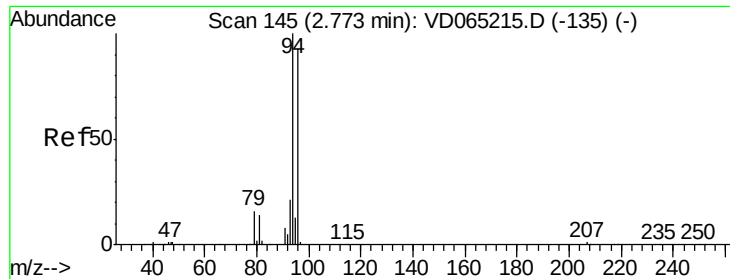
Tgt Ion: 62 Resp: 103430

Ion Ratio Lower Upper

62 100

64 29.3 25.0 37.6





#5

Bromomethane

Concen: 20.302 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD065235.D

Acq: 19 Feb 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD0219SBS01

Tot Ion: 94 Resp: 63073

Ion Ratio Lower Upper

94 100

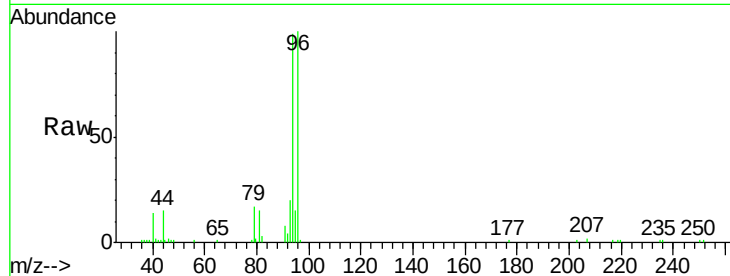
96 100.5 74.2 111.4

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

25000

20000

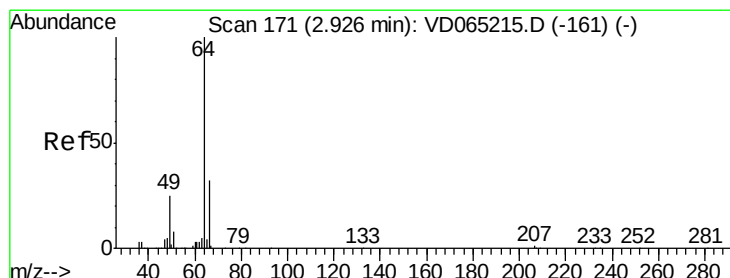
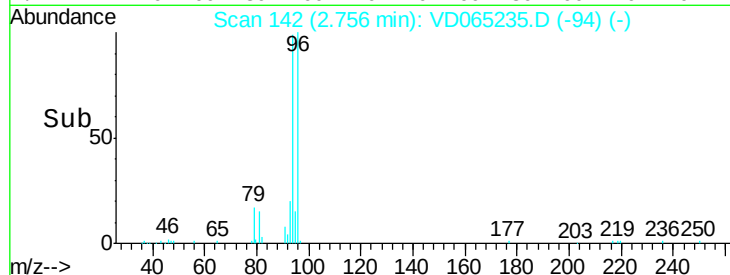
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 20.456 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065235.D

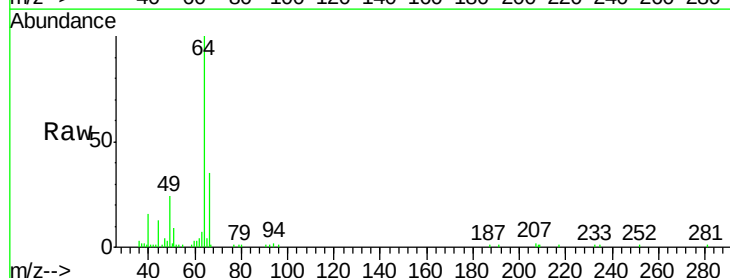
Acq: 19 Feb 2020 13:29

Tgt Ion: 64 Resp: 64159

Ion Ratio Lower Upper

64 100

66 35.0 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

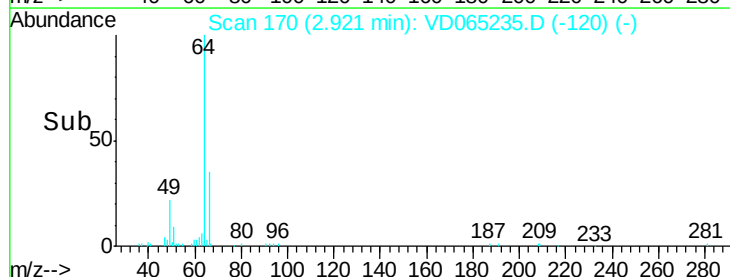
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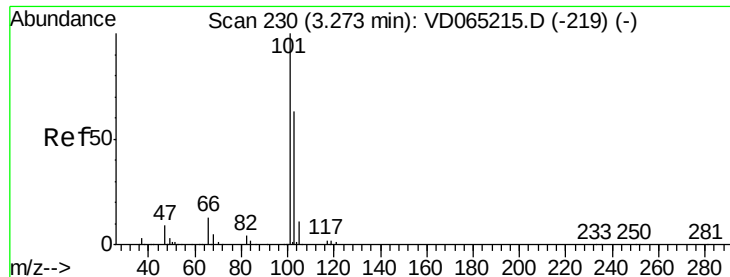
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Time-->





#7

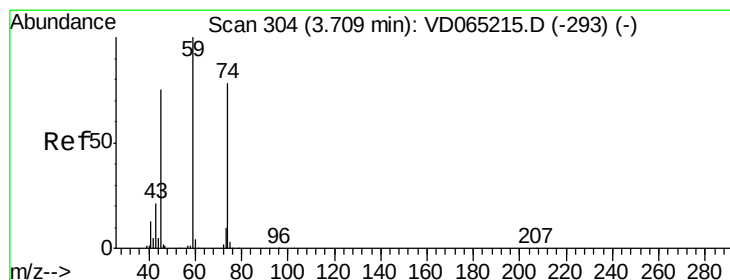
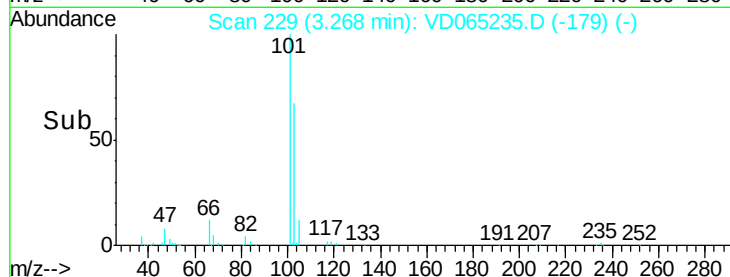
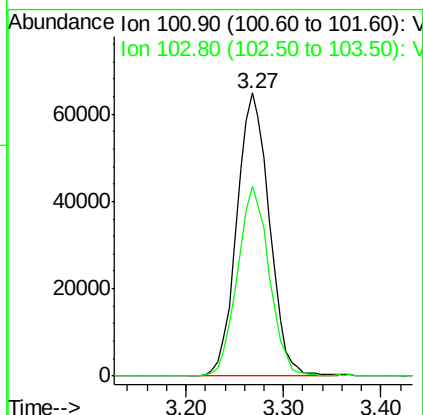
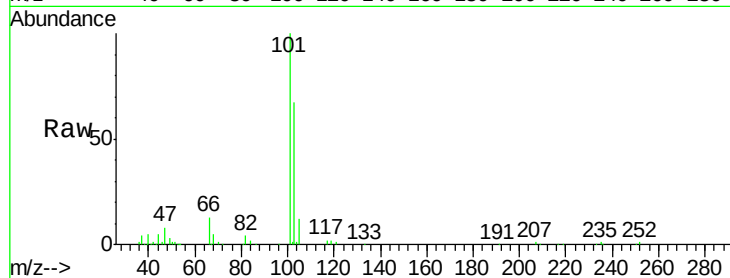
Trichlorofluoromethane
Concen: 20.449 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD065235.D
Acq: 19 Feb 2020 13:29

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ClientSampleId :
VD0219SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.2	50.7	76.1

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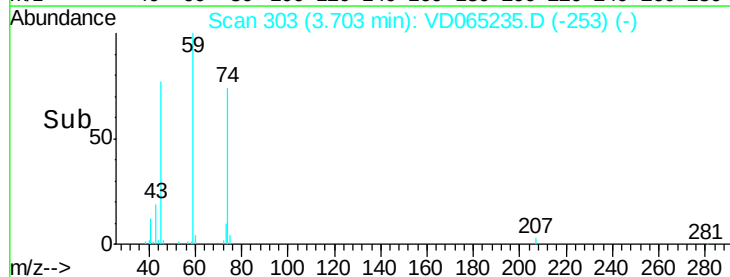
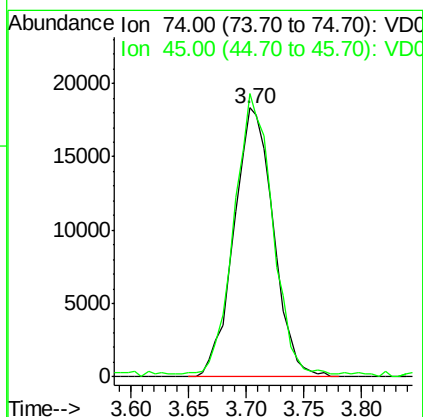
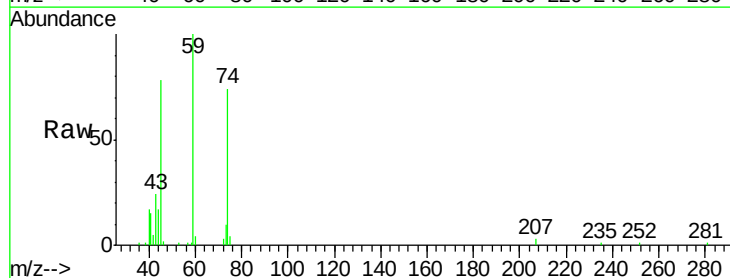
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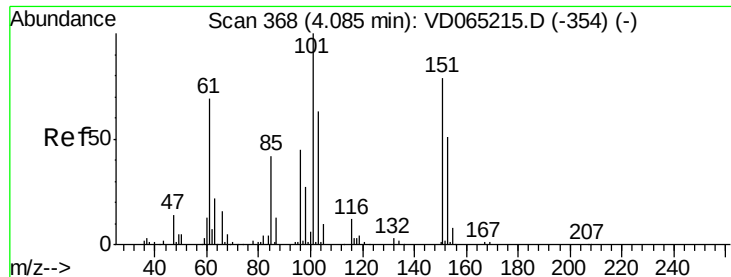


#8

Diethyl Ether
Concen: 19.586 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD065235.D
Acq: 19 Feb 2020 13:29

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.2	50.0	149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.532 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD065235.D

Acq: 19 Feb 2020 13:29

Instrument :

MSVOA_D

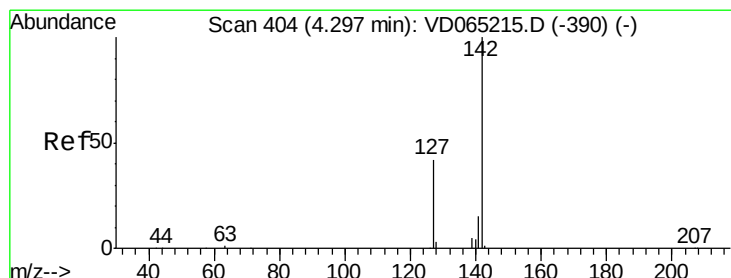
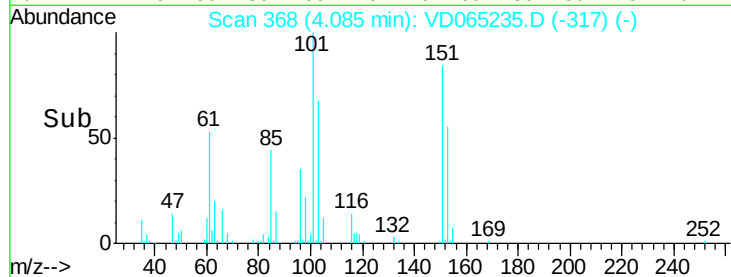
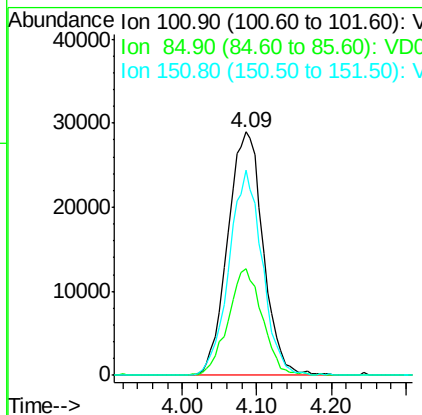
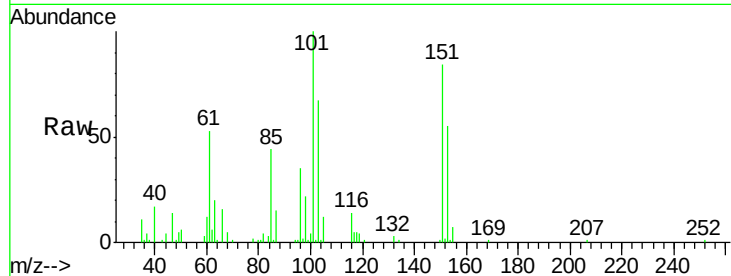
ClientSampleId :

VD0219SBS01

Tot Ion:	101	Resp:	95383
Ion Ratio	Lower	Upper	
101	100		
85	42.4	34.2	51.2
151	79.0	63.5	95.3

Manual Integrations
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#10

Methyl Iodide

Concen: 18.994 ug/l

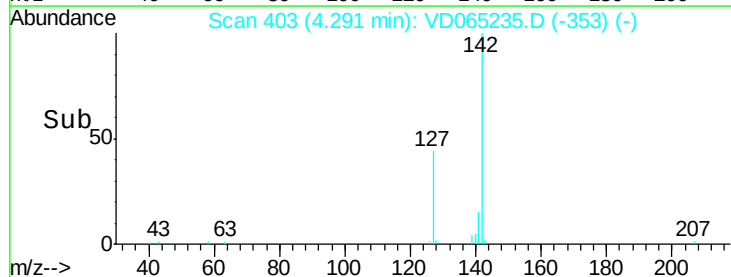
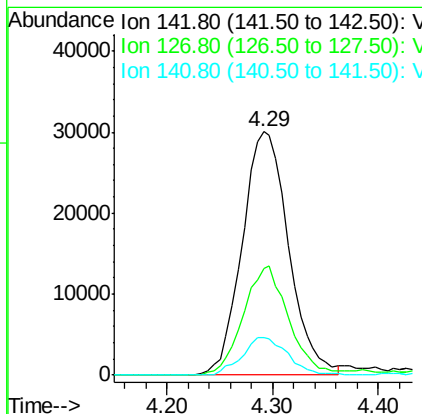
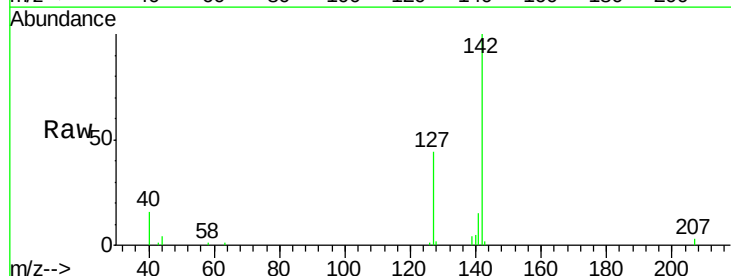
RT: 4.29 min Scan# 403

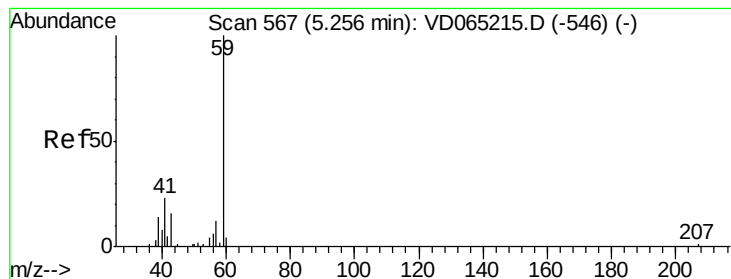
Delta R.T. -0.01 min

Lab File: VD065235.D

Acq: 19 Feb 2020 13:29

Tgt Ion:	142	Resp:	91616
Ion Ratio	Lower	Upper	
142	100		
127	43.9	33.8	50.8
141	15.2	11.7	17.5





#11

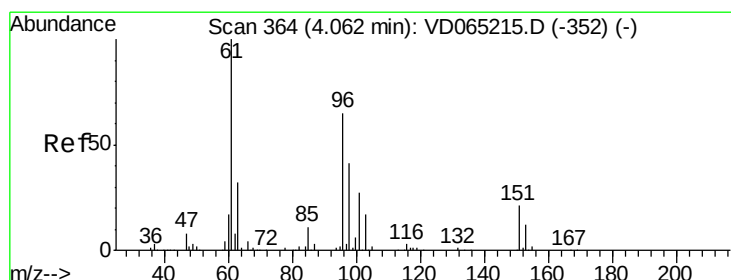
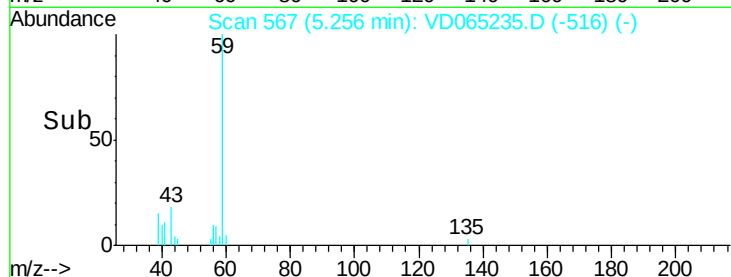
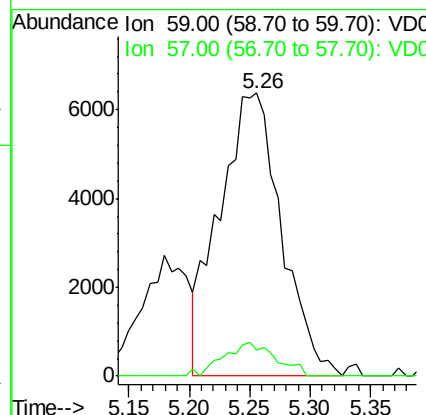
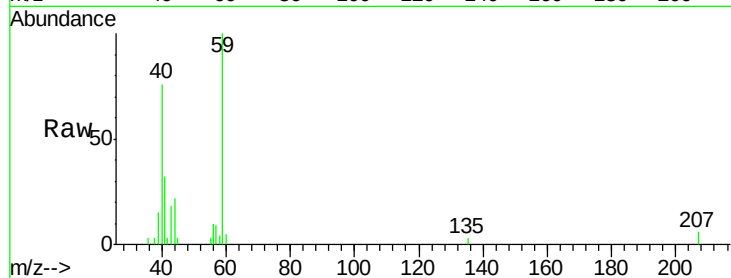
Tert butyl alcohol
 Concen: 89.325 ug/l
 RT: 5.26 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VD065235.D
 Acq: 19 Feb 2020 13:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0219SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.4	12.6

Manual Integrations
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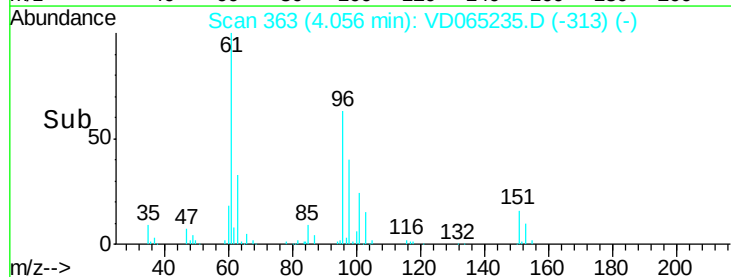
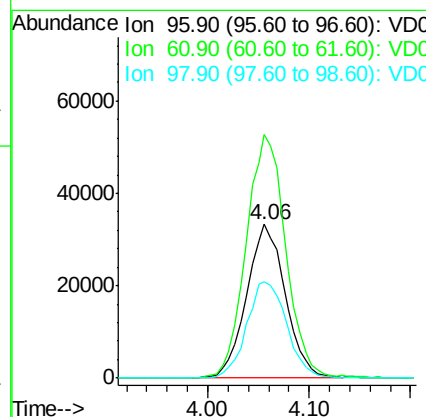
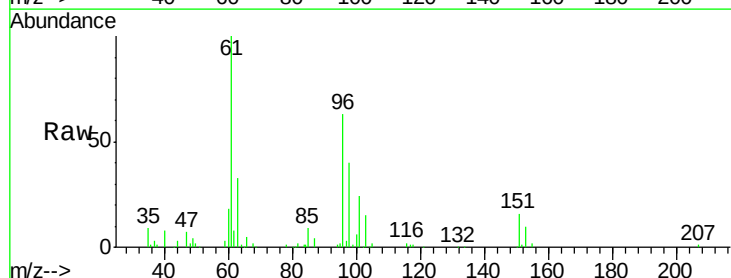
MMDadoda
 2/21/2020 5:25:42 PM

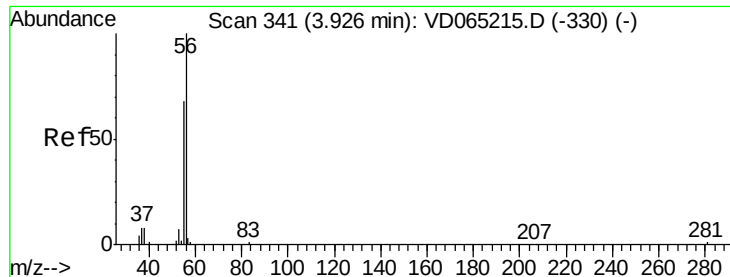


#12

1,1-Dichloroethene
 Concen: 20.181 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VD065235.D
 Acq: 19 Feb 2020 13:29

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.6	123.3	184.9
98	62.8	51.0	76.4





#13

Acrolein

Concen: 116.818 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065235.D

Acq: 19 Feb 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD0219SBS01

Tot Ion: 56 Resp: 41266

Ion Ratio Lower Upper

56 100

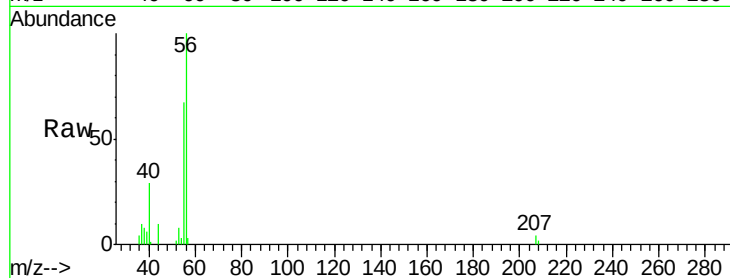
55 67.7 56.6 85.0

Manual Integrations

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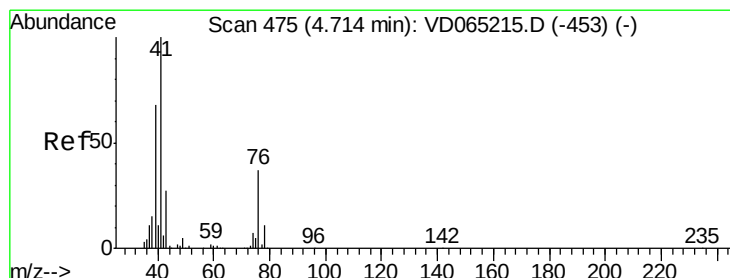
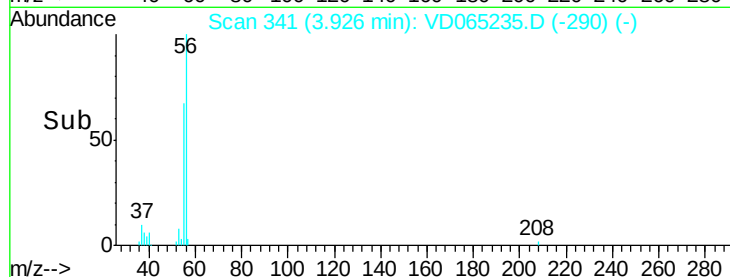
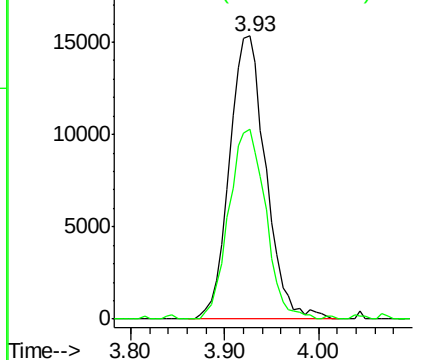
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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.606 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD065235.D

Acq: 19 Feb 2020 13:29

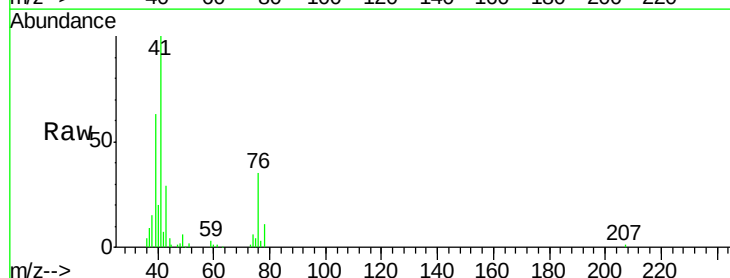
Tgt Ion: 41 Resp: 146848

Ion Ratio Lower Upper

41 100

39 65.6 53.8 80.6

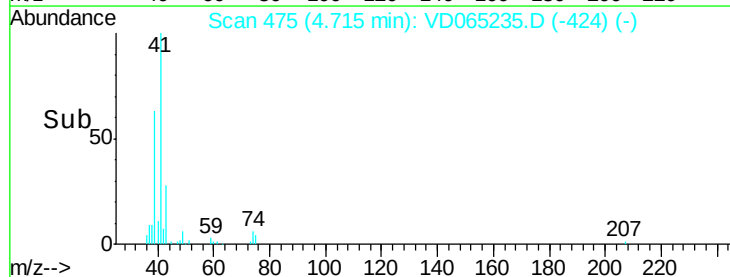
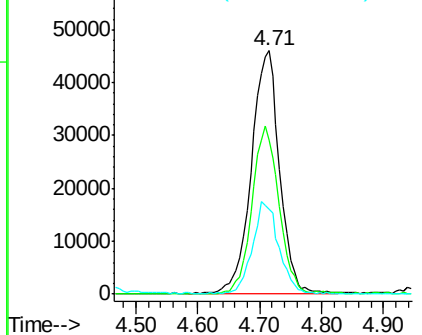
76 35.2 28.7 43.1

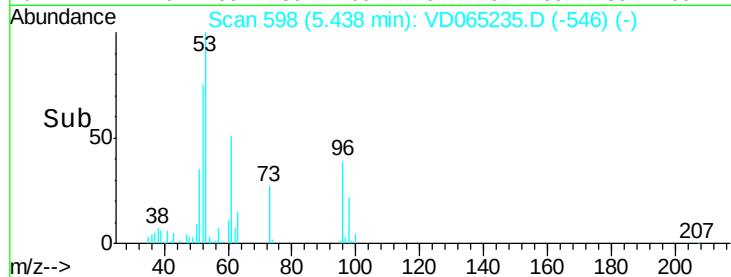
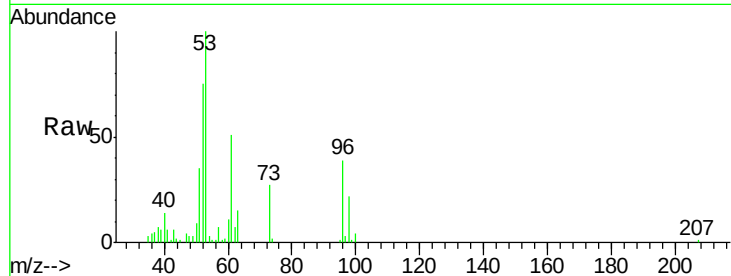
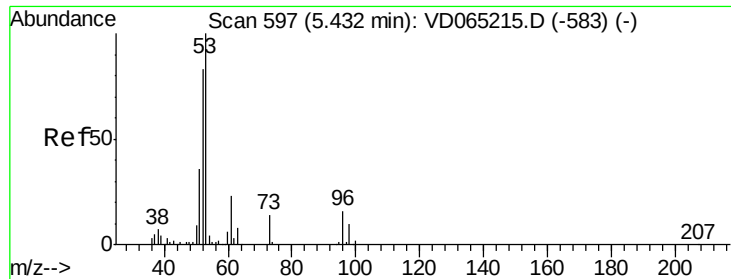


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 101.542 ug/l

RT: 5.44 min Scan# 598

Delta R.T. 0.01 min

Lab File: VD065235.D

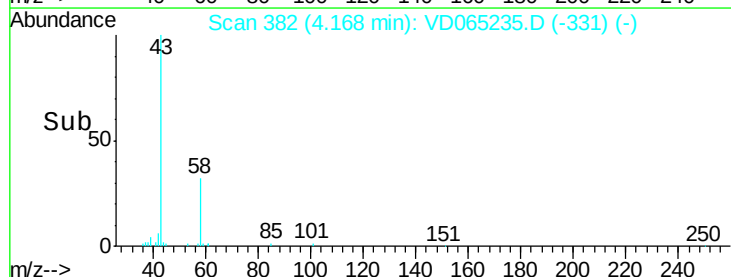
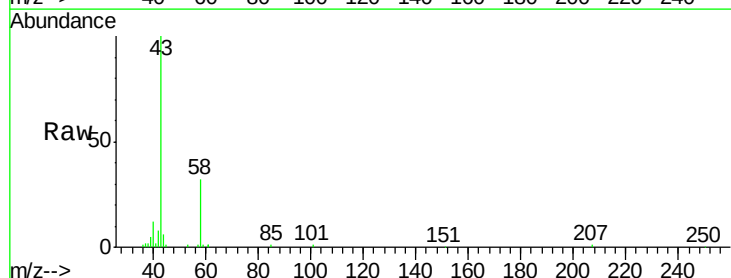
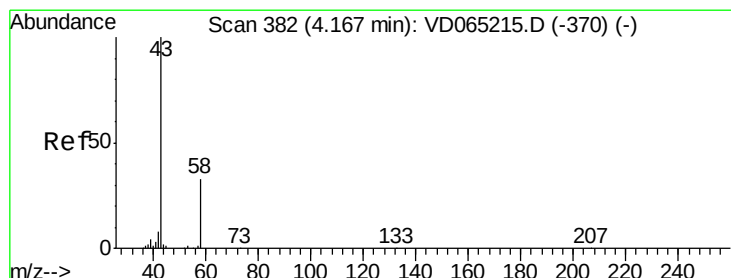
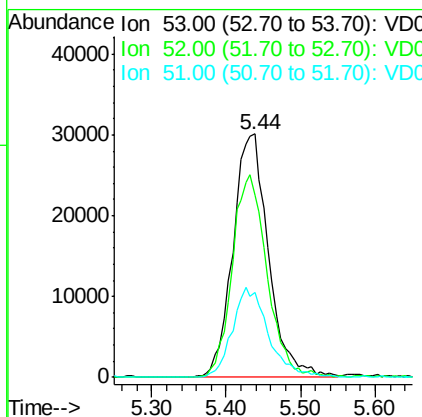
Acq: 19 Feb 2020 13:29

Tot Ion:	53	Resp:	99826
Ion Ratio	Lower	Upper	
53	100		
52	81.3	65.4	98.2
51	37.3	29.5	44.3

Instrument :
MSVOA_D
ClientSampleId :
VD0219SBS01

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#16

Acetone

Concen: 89.998 ug/l

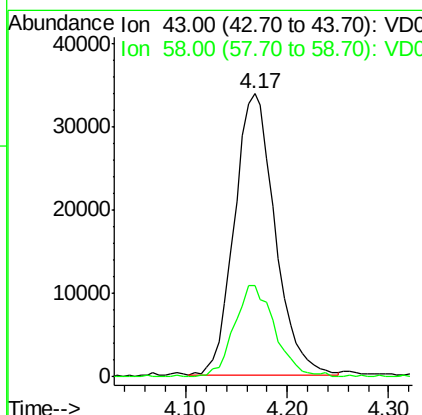
RT: 4.17 min Scan# 382

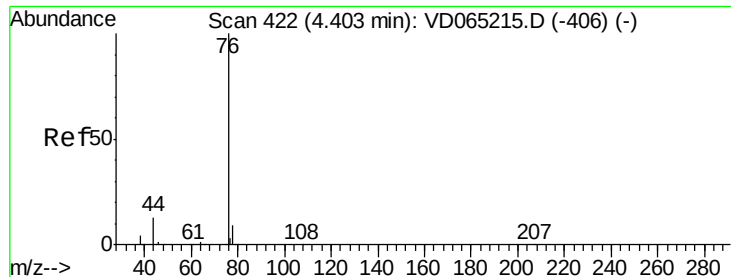
Delta R.T. 0.00 min

Lab File: VD065235.D

Acq: 19 Feb 2020 13:29

Tgt Ion:	43	Resp:	93676
Ion Ratio	Lower	Upper	
43	100		
58	32.4	26.2	39.2





#17

Carbon Disulfide

Concen: 20.694 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD065235.D

Acq: 19 Feb 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD0219SBS01

Tot Ion: 76 Resp: 304460

Ion Ratio Lower Upper

76 100

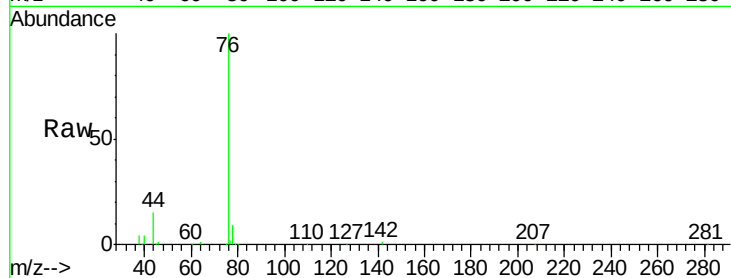
78 9.0 7.0 10.6

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

120000

100000

80000

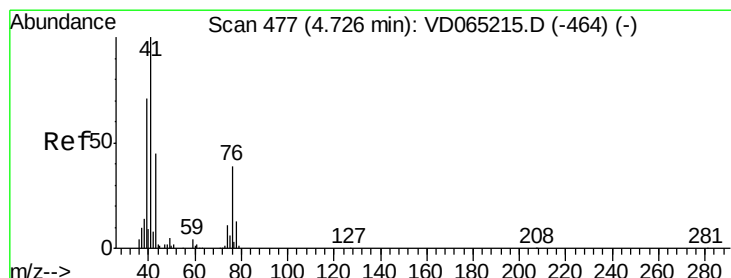
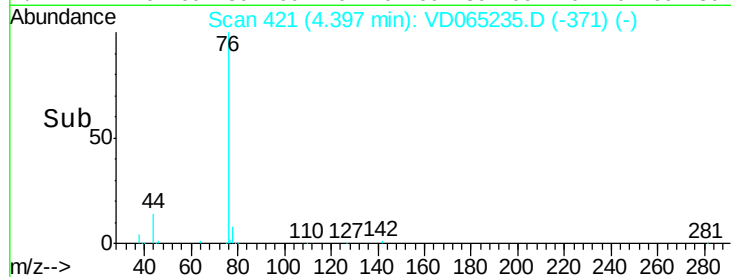
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 21.205 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD065235.D

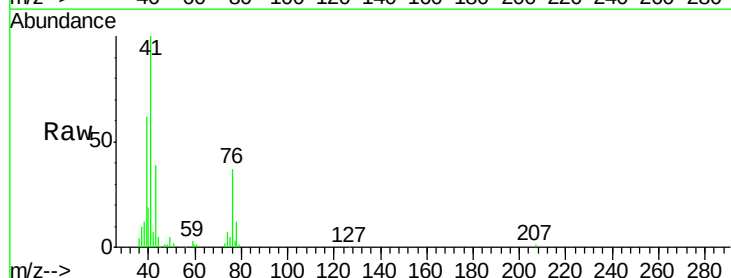
Acq: 19 Feb 2020 13:29

Tgt Ion: 43 Resp: 49642

Ion Ratio Lower Upper

43 100

74 21.8 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.72

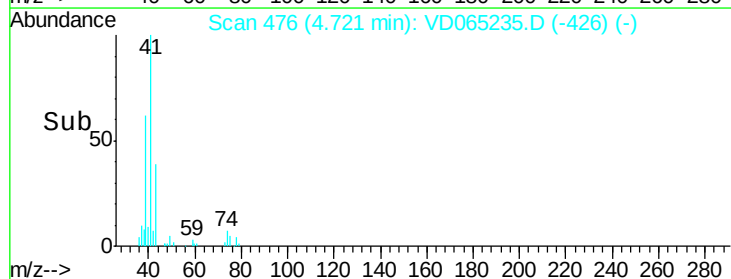
15000

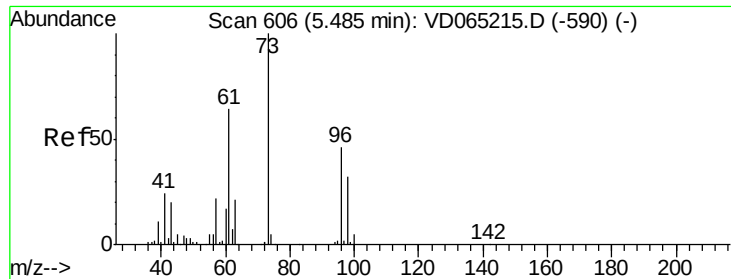
10000

5000

0

Time-->





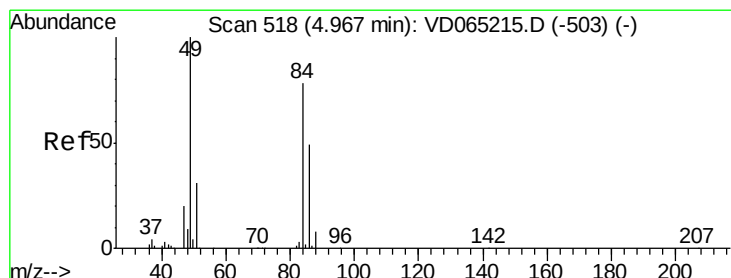
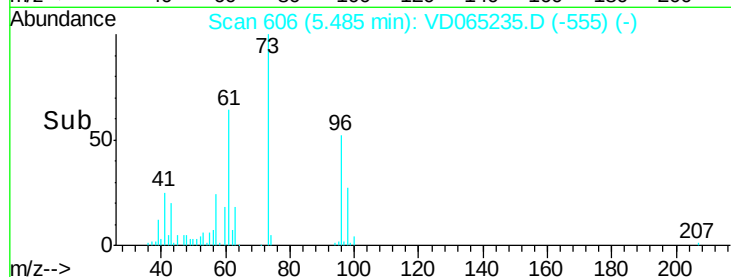
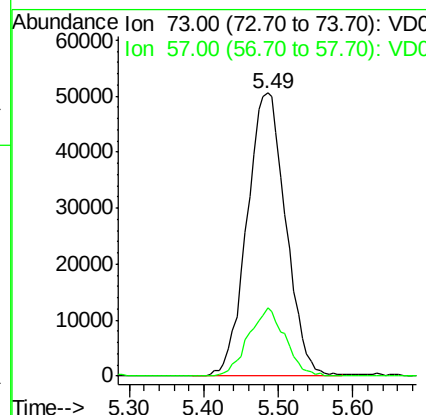
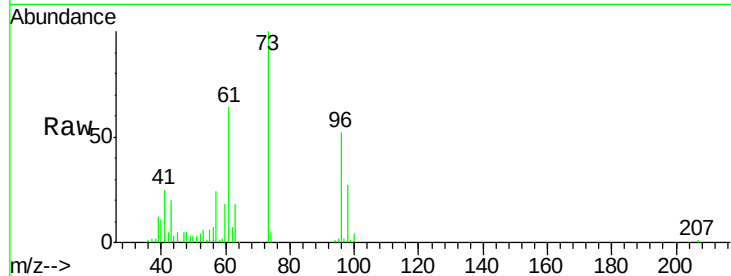
#19
Methyl tert-butyl Ether
Concen: 19.943 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD065235.D
Acq: 19 Feb 2020 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD0219SBS01

Tot Ion: 73 Resp: 182503
Ion Ratio Lower Upper
73 100
57 24.4 17.3 25.9

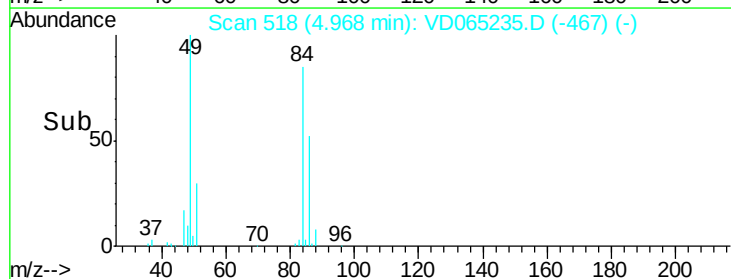
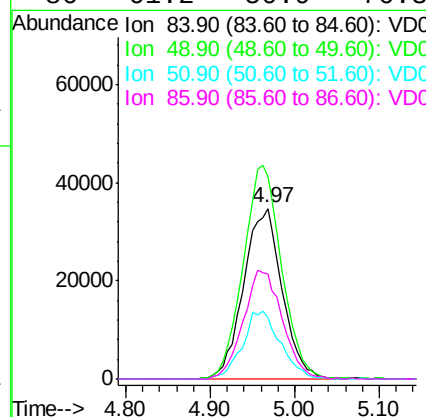
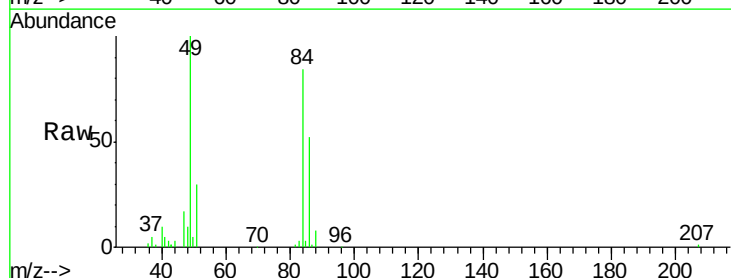
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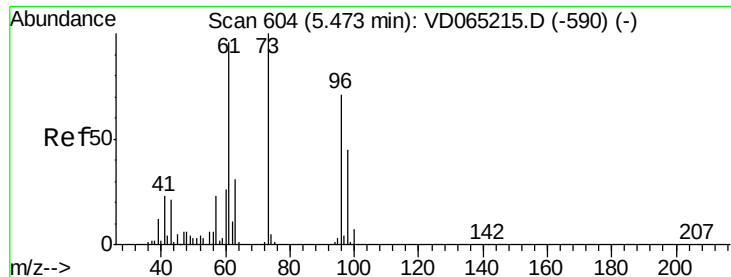
MMDadoda
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#20
Methylene Chloride
Concen: 21.087 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD065235.D
Acq: 19 Feb 2020 13:29

Tgt Ion: 84 Resp: 110061
Ion Ratio Lower Upper
84 100
49 118.7 103.1 154.7
51 35.8 31.7 47.5
86 61.2 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 20.974 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065235.D

Acq: 19 Feb 2020 13:29

Instrument :

MSVOA_D

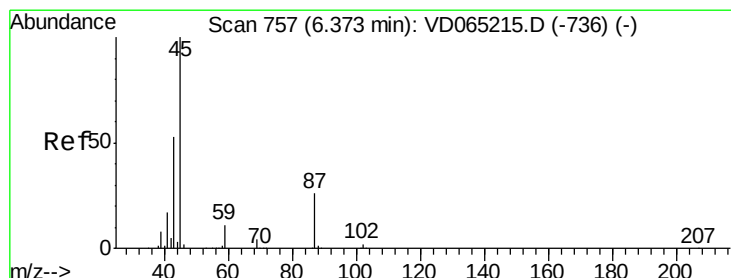
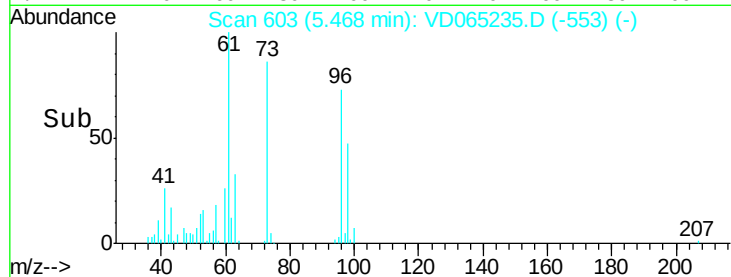
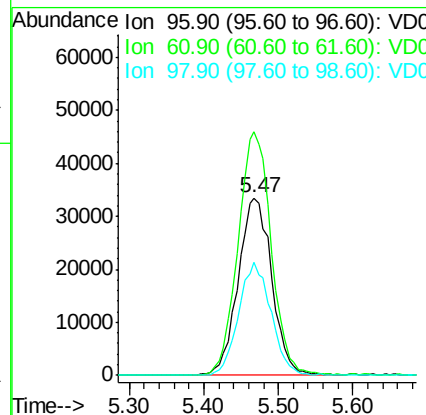
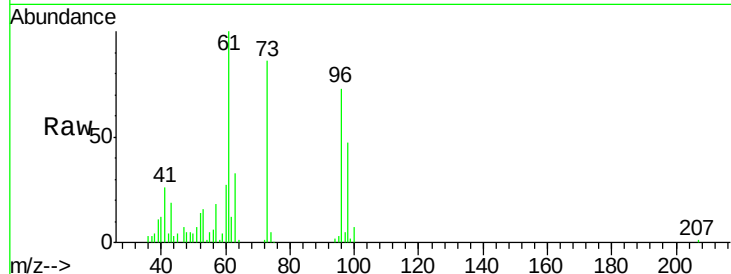
ClientSampleId :

VD0219SBS01

Tot Ion:	96	Resp:	104633
Ion	Ratio	Lower	Upper
96	100		
61	137.4	108.3	162.5
98	64.1	50.7	76.1

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#22

Diisopropyl ether

Concen: 20.973 ug/l

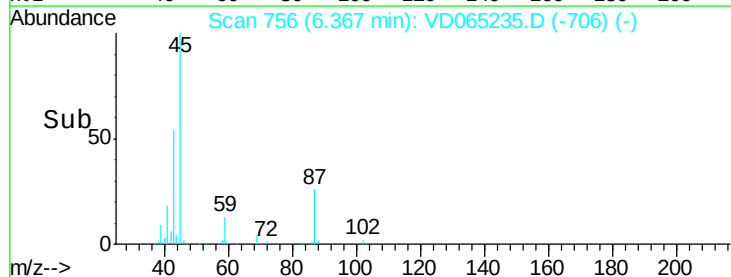
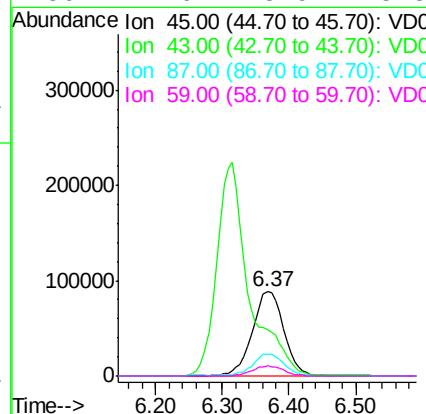
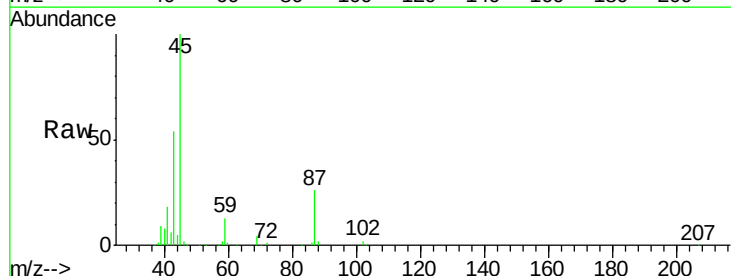
RT: 6.37 min Scan# 756

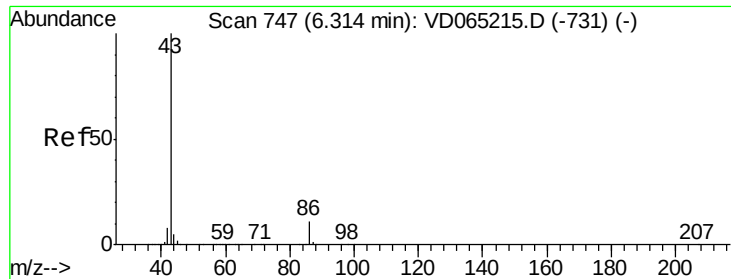
Delta R.T. -0.01 min

Lab File: VD065235.D

Acq: 19 Feb 2020 13:29

Tgt Ion:	45	Resp:	288121
Ion	Ratio	Lower	Upper
45	100		
43	53.5	42.6	64.0
87	25.8	21.2	31.8
59	12.6	8.9	13.3





#23

Vinyl Acetate

Concen: 100.111 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD065235.D

Acq: 19 Feb 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD0219SBS01

Tot Ion: 43 Resp: 758207

Ion Ratio Lower Upper

43 100

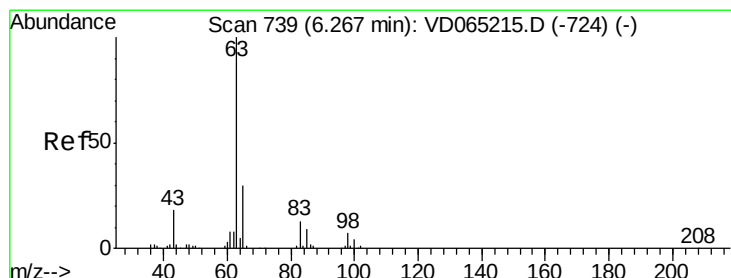
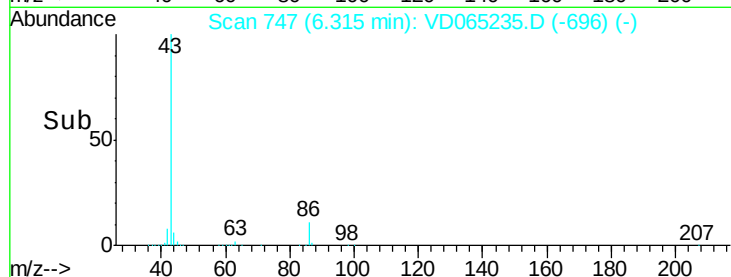
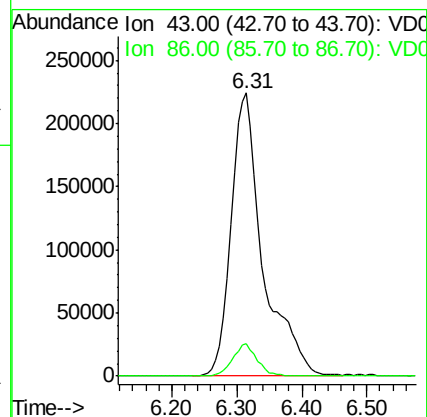
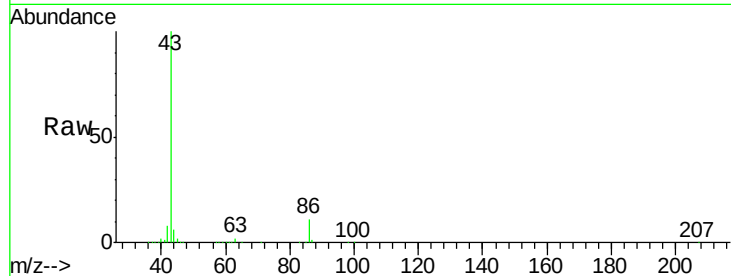
86 11.5 8.6 12.8

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#24

1,1-Dichloroethane

Concen: 20.589 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065235.D

Acq: 19 Feb 2020 13:29

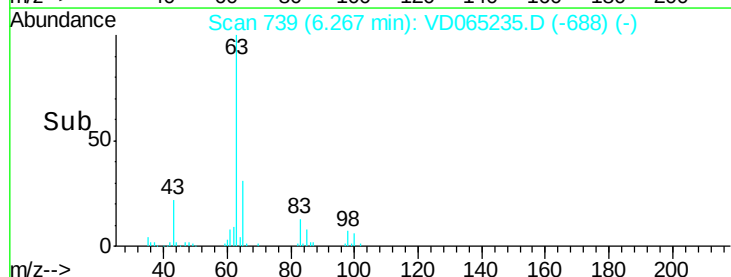
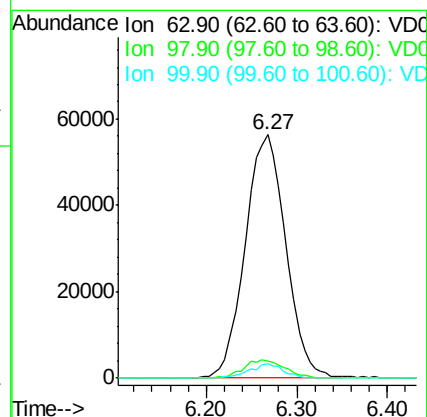
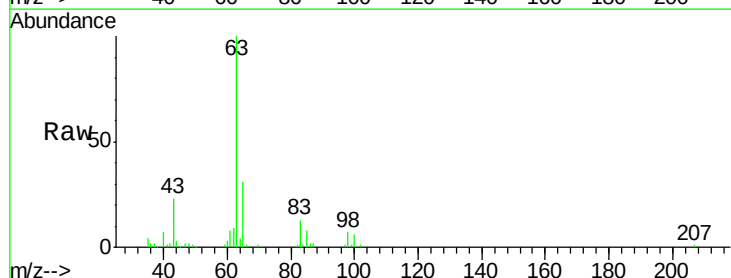
Tgt Ion: 63 Resp: 175443

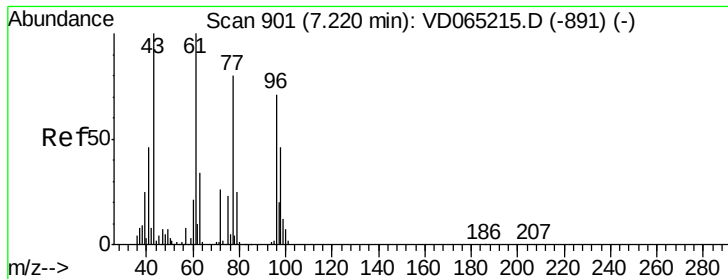
Ion Ratio Lower Upper

63 100

98 7.0 3.4 10.1

100 5.8 2.3 6.8





#25

2-Butanone

Concen: 91.937 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065235.D

Acq: 19 Feb 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD0219SBS01

Tot Ion: 43 Resp: 121074

Ion Ratio Lower Upper

43 100

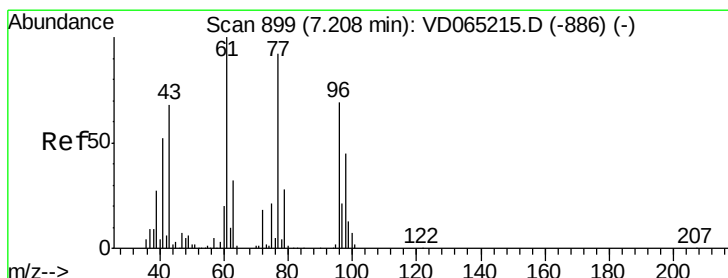
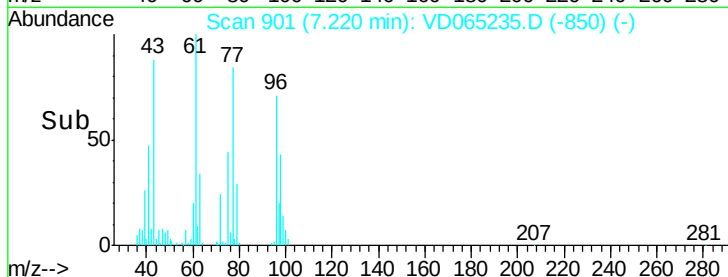
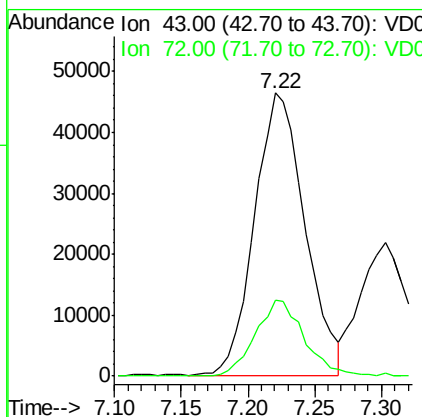
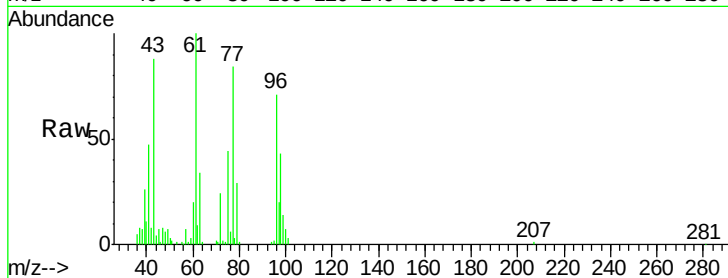
72 27.0 20.9 31.3

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.417 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD065235.D

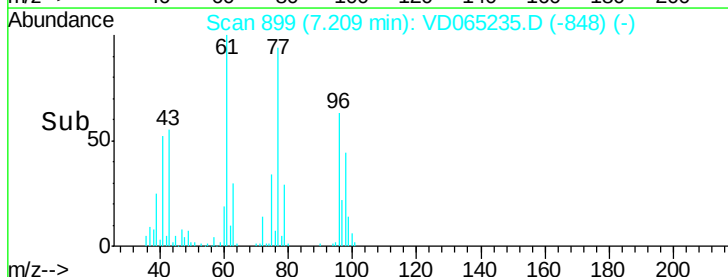
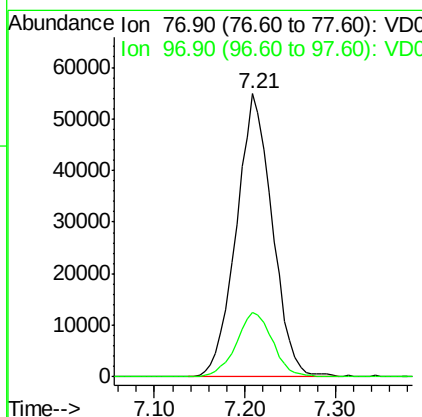
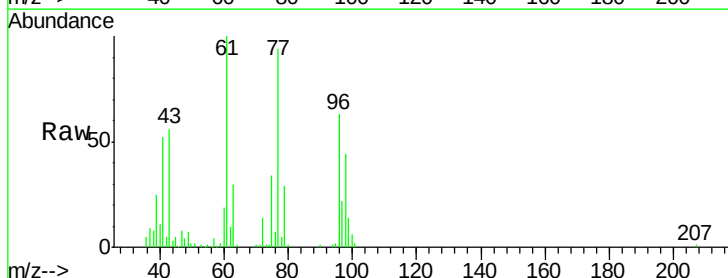
Acq: 19 Feb 2020 13:29

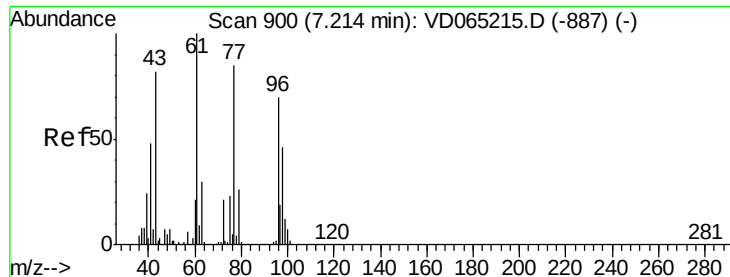
Tgt Ion: 77 Resp: 150946

Ion Ratio Lower Upper

77 100

97 23.2 11.7 35.1





#27

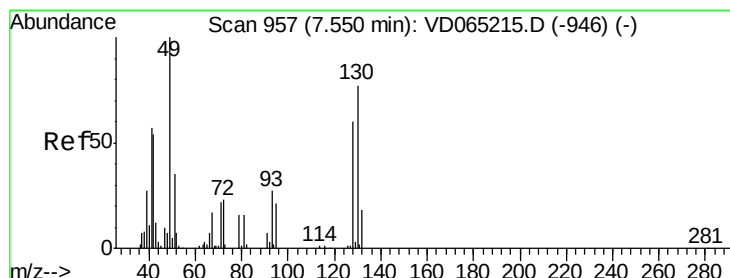
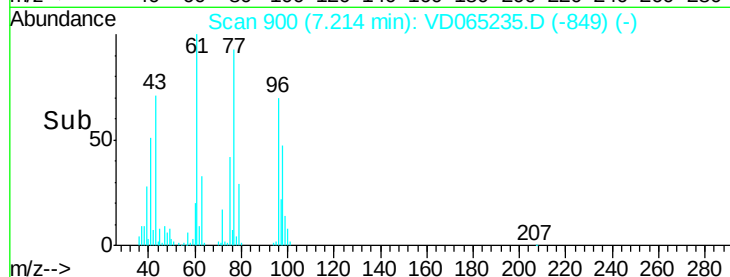
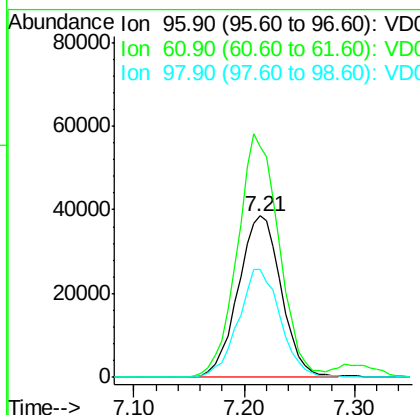
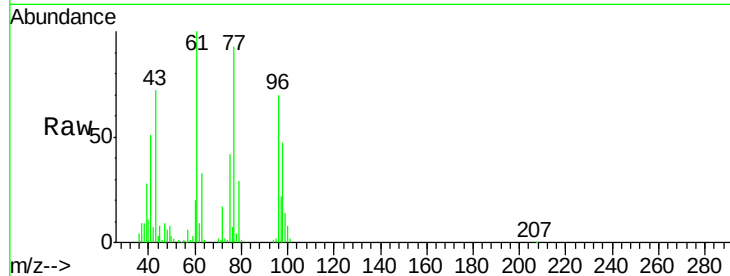
cis-1,2-Dichloroethene
 Concen: 19.958 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD065235.D
 Acq: 19 Feb 2020 13:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0219SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	145.9	0.0	286.0	
98	65.6	0.0	127.8	

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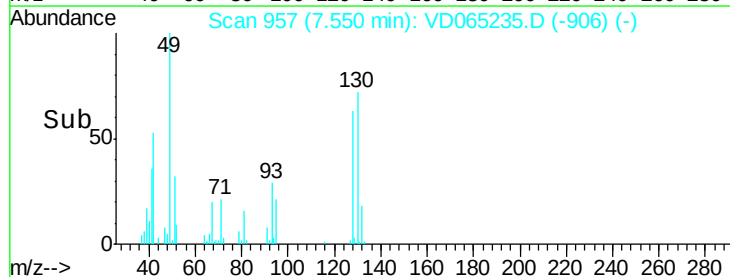
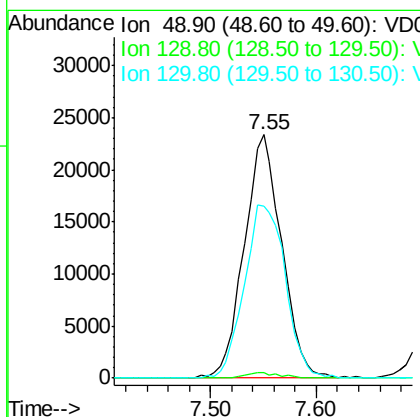
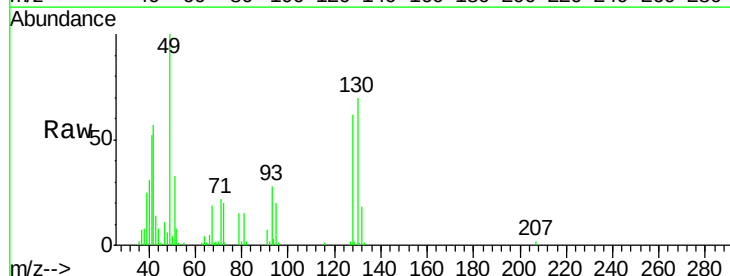
MMDadoda
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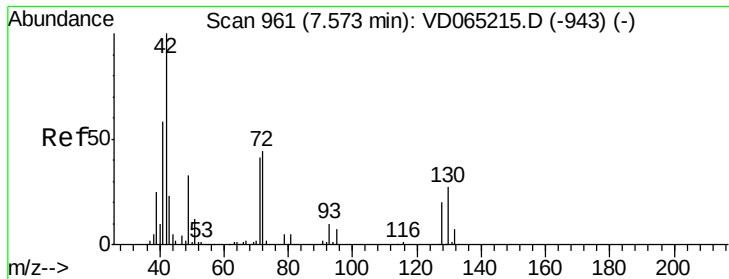


#28

Bromochloromethane
 Concen: 18.219 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD065235.D
 Acq: 19 Feb 2020 13:29

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.1	0.0	4.6	
130	77.9	64.7	97.1	





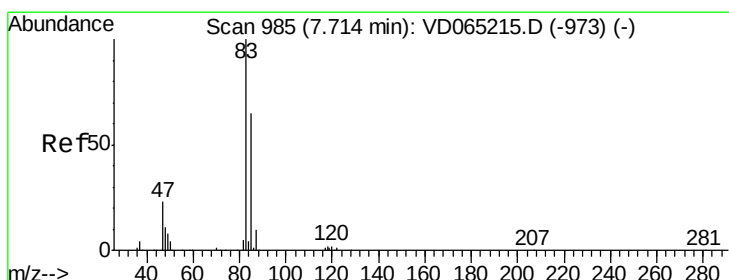
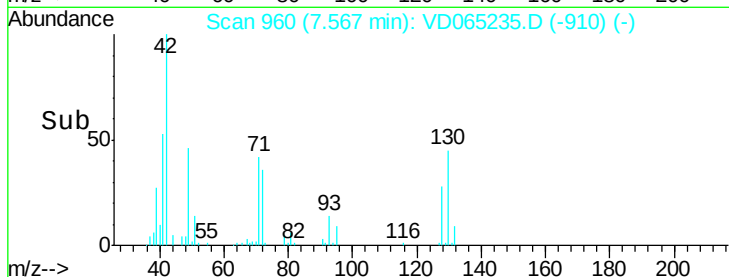
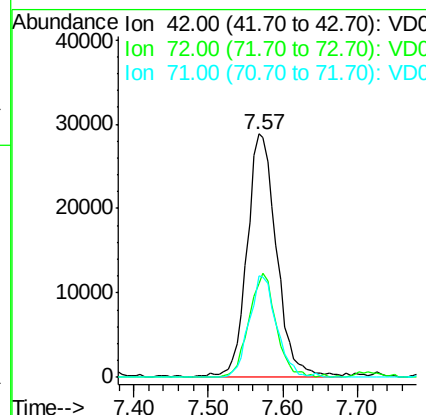
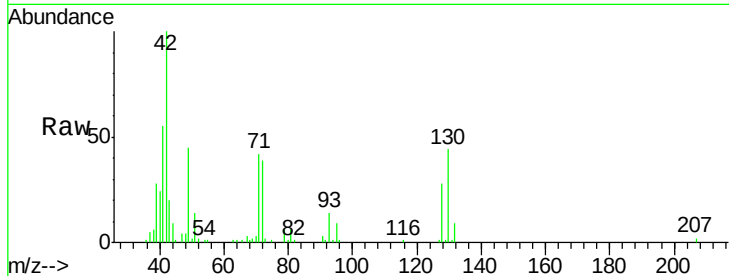
#29
Tetrahydrofuran
Concen: 103.113 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065235.D
Acq: 19 Feb 2020 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD0219SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.0	33.7	50.5
71	38.2	31.4	47.2

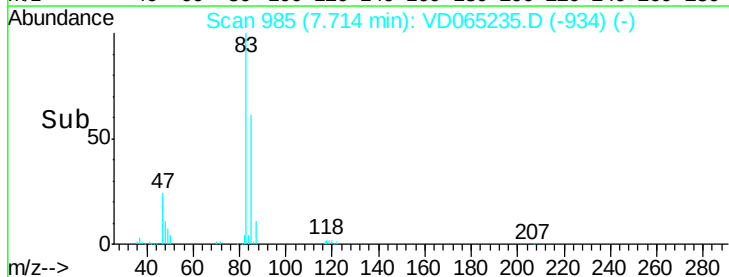
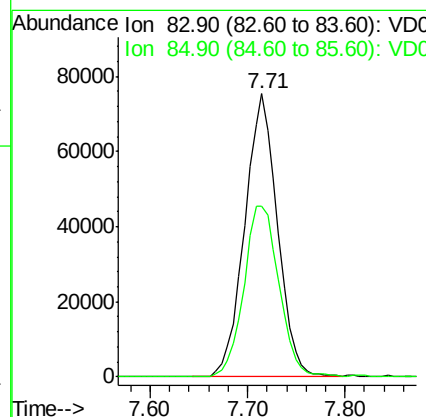
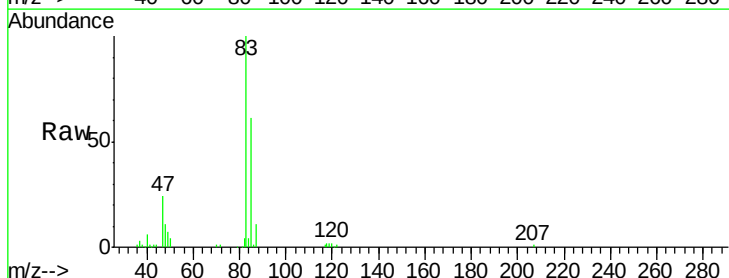
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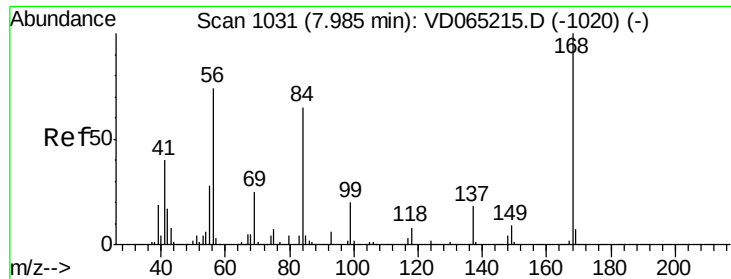
MMDadoda
2/21/2020 5:25:42 PM



#30
Chloroform
Concen: 20.647 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065235.D
Acq: 19 Feb 2020 13:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.5	52.3	78.5





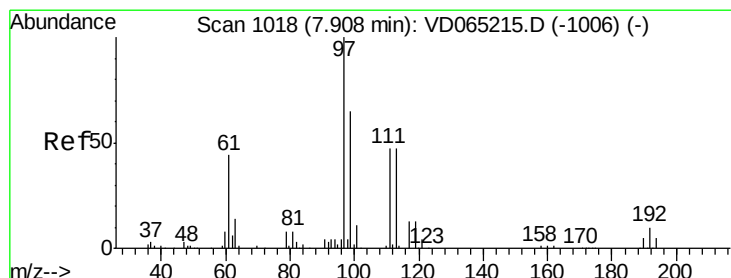
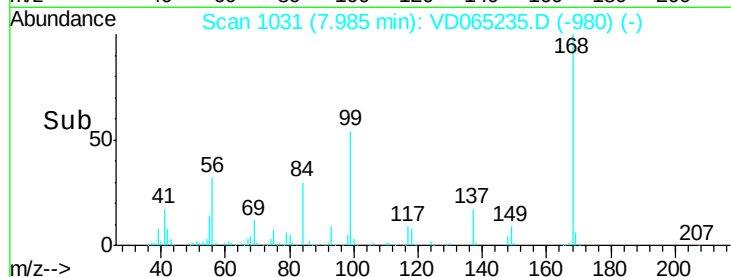
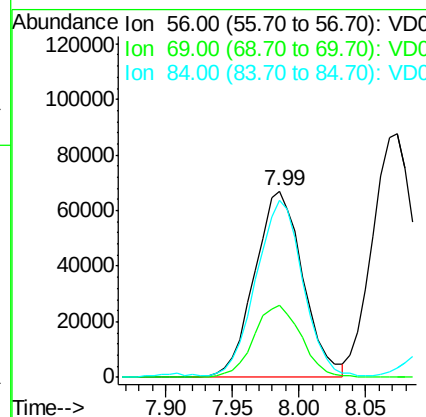
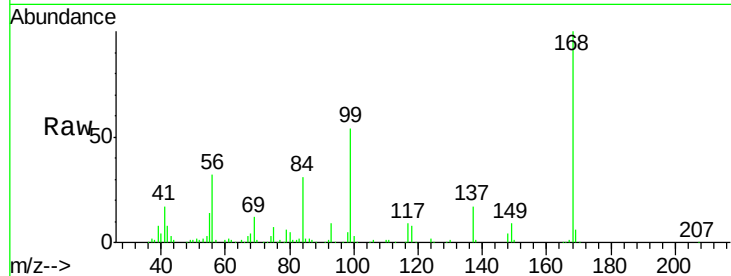
#31
Cyclohexane
Concen: 20.101 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065235.D
Acq: 19 Feb 2020 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD0219SBS01

Tot Ion	Ratio	Resp	Lower	Upper
56	100	168295		
69	38.6		27.4	41.0
84	93.9		71.1	106.7

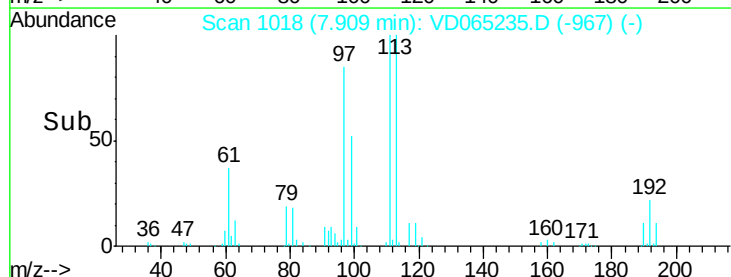
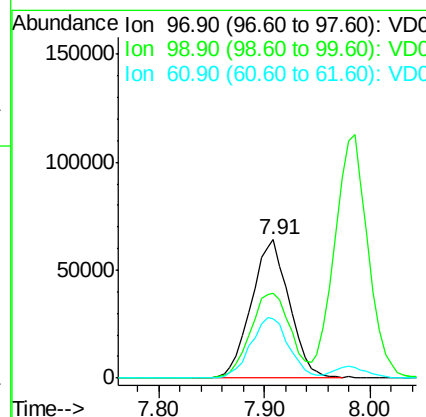
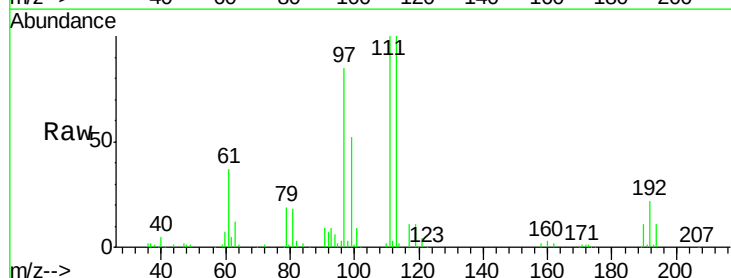
Manual Integrations
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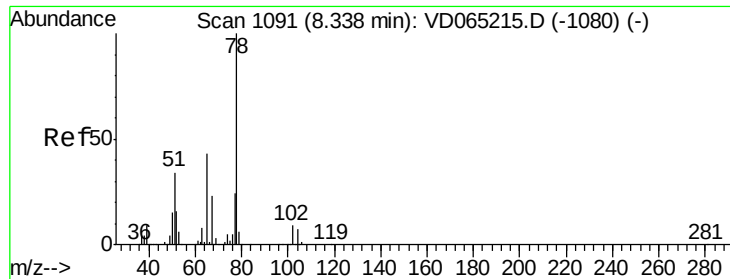
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 20.878 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD065235.D
Acq: 19 Feb 2020 13:29

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	160366		
99	65.4		51.4	77.2
61	43.6		34.8	52.2





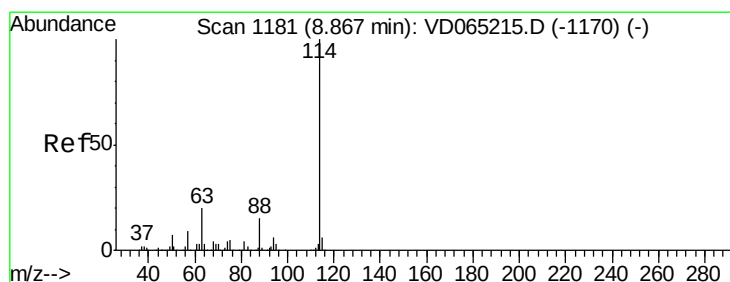
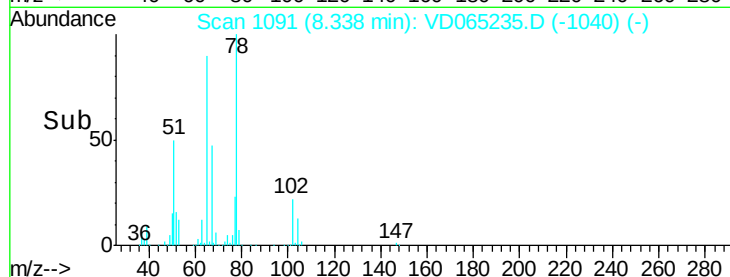
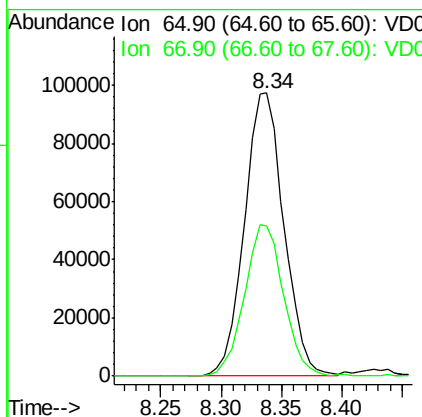
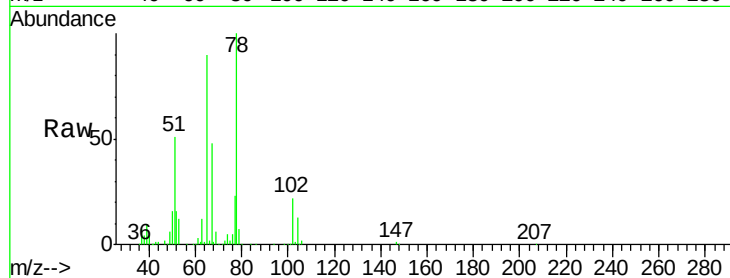
#33
 1,2-Dichloroethane-d4
 Concen: 51.996 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065235.D
 Acq: 19 Feb 2020 13:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0219SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.9	0.0	106.8	

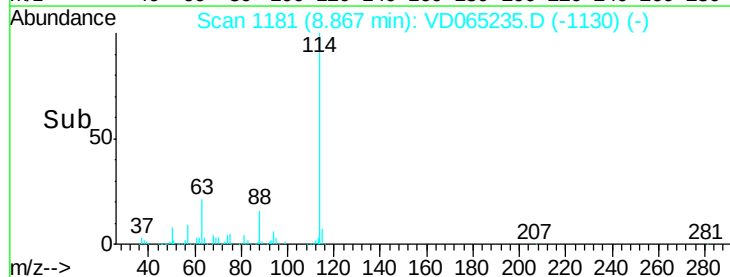
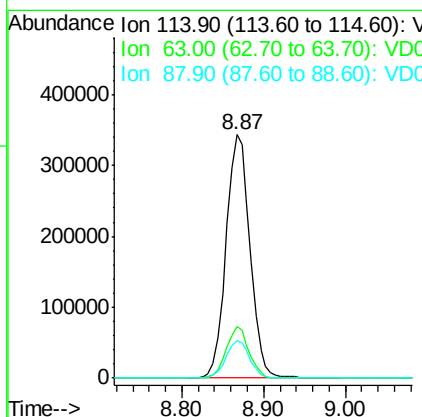
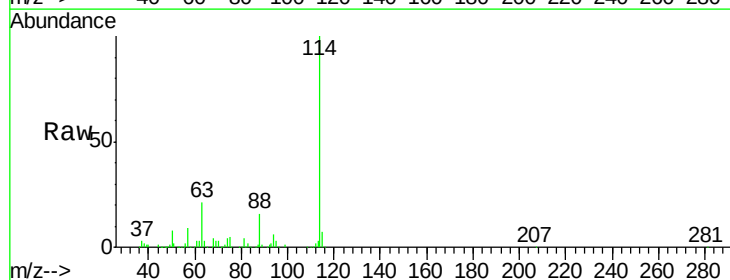
Manual Integrations
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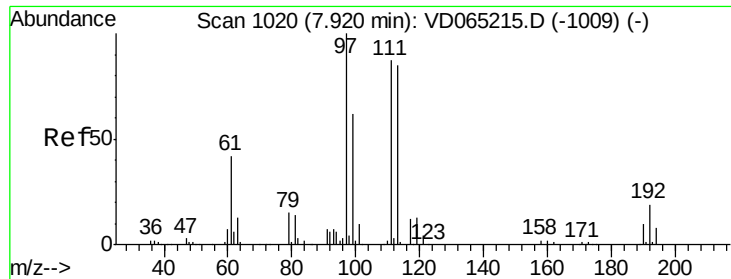
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065235.D
 Acq: 19 Feb 2020 13:29

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.0	0.0	39.4	
88	15.7	0.0	30.4	





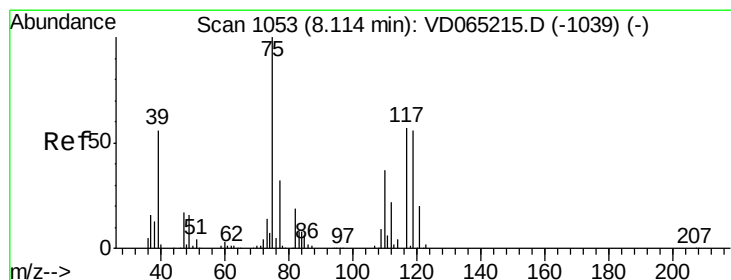
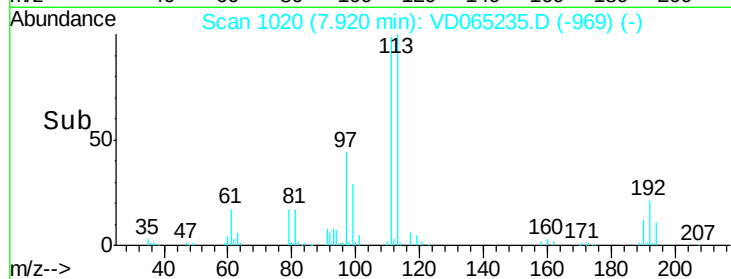
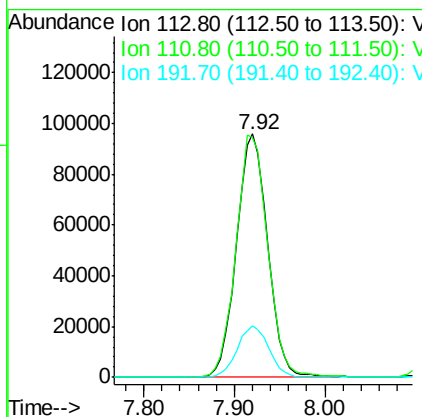
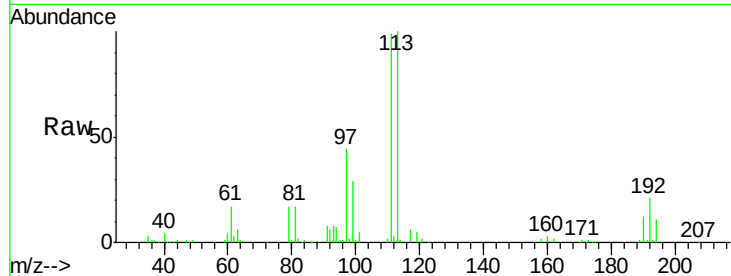
#35
 Dibromofluoromethane
 Concen: 53.696 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065235.D
 Acq: 19 Feb 2020 13:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0219SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	228932		
111	101.7	82.9	124.3	
192	21.5	17.3	25.9	

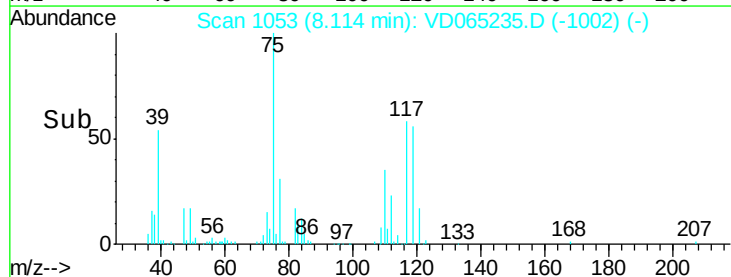
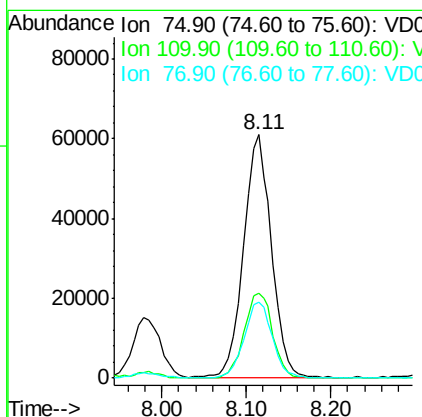
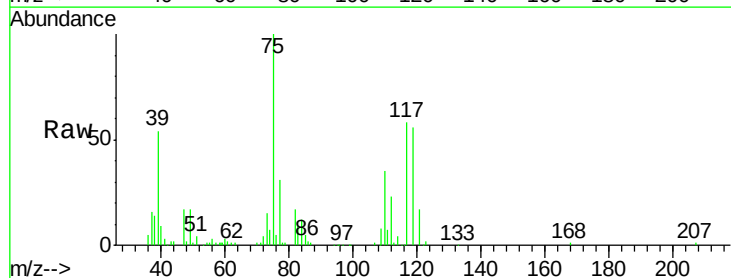
Manual Integrations
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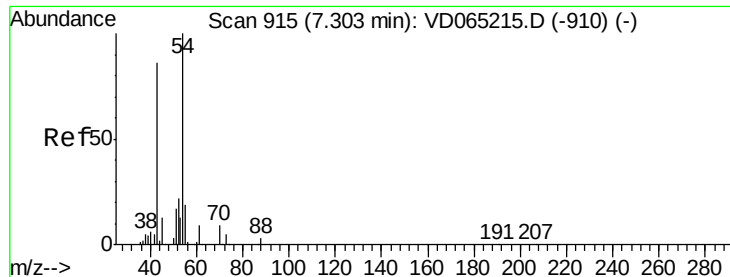
MMDadoda
 2/21/2020 5:25:42 PM



#36
 1,1-Dichloropropene
 Concen: 20.647 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065235.D
 Acq: 19 Feb 2020 13:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	140474		
110	35.8	17.9	53.7	
77	31.8	25.1	37.7	





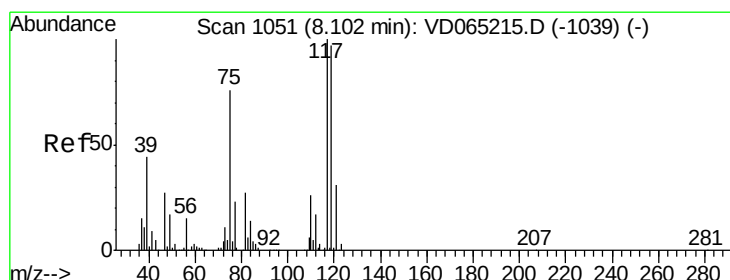
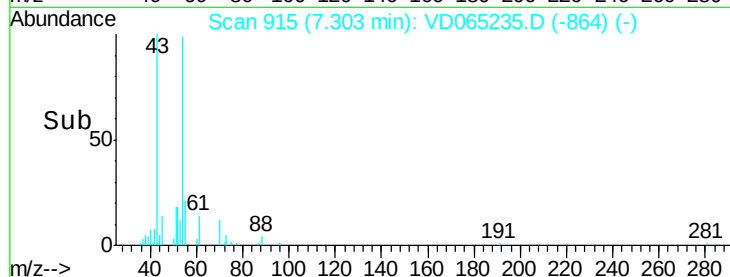
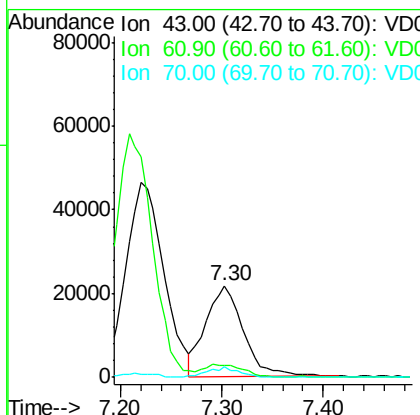
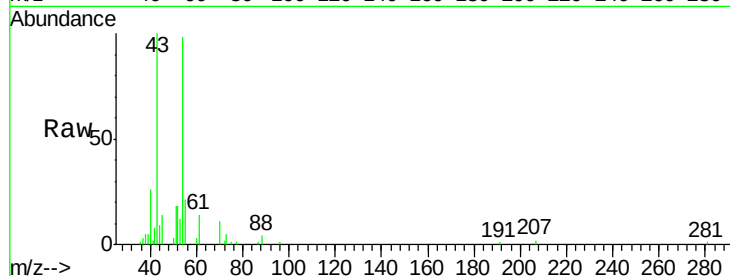
#37
Ethyl Acetate
Concen: 19.588 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD065235.D
Acq: 19 Feb 2020 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD0219SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.2	16.8
70	9.5	8.2	12.2

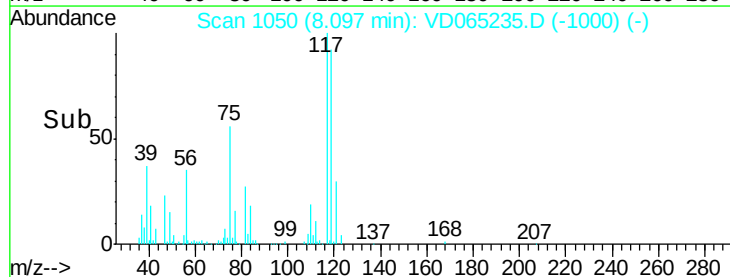
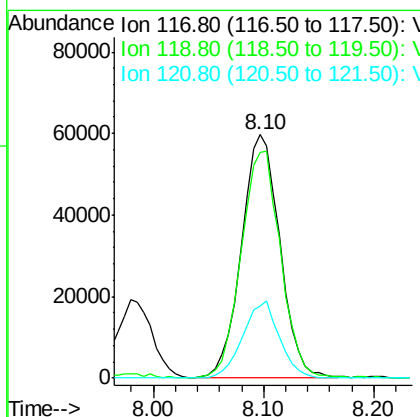
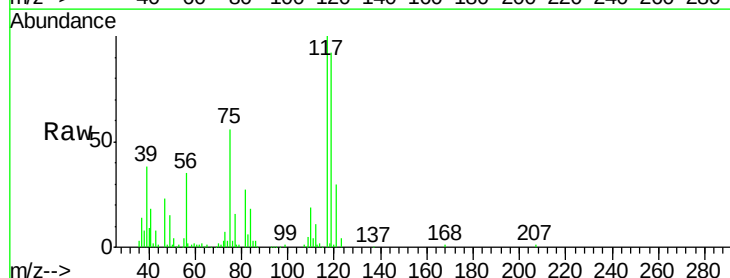
Manual Integrations
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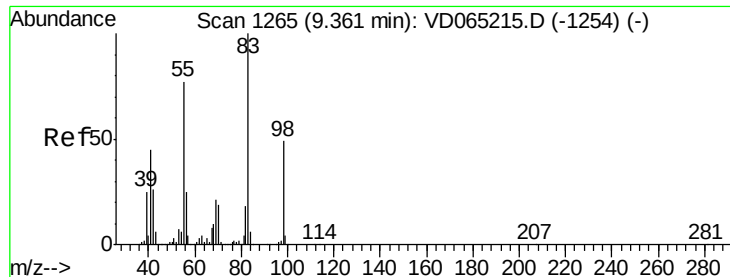
MMDadoda
2/21/2020 5:25:42 PM



#38
Carbon Tetrachloride
Concen: 20.929 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065235.D
Acq: 19 Feb 2020 13:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.8	77.6	116.4
121	29.7	24.8	37.2





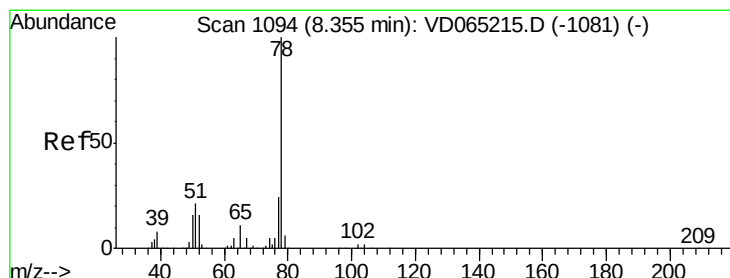
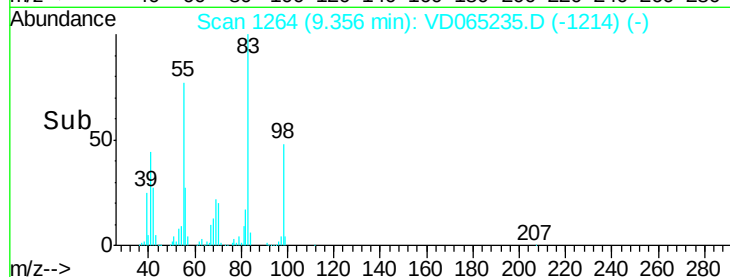
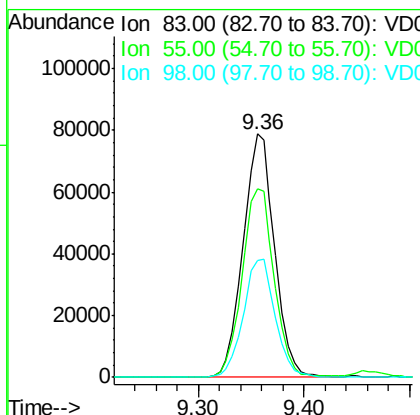
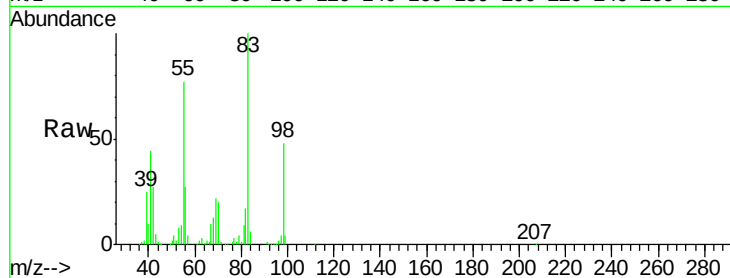
#39
Methylvlcyclohexane
Concen: 20.359 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065235.D
Acq: 19 Feb 2020 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD0219SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.4	61.8	92.6
98	48.3	39.4	59.0

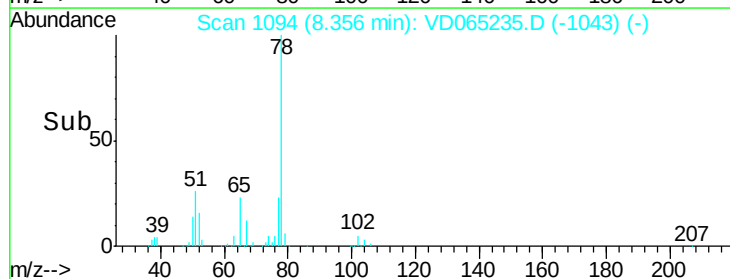
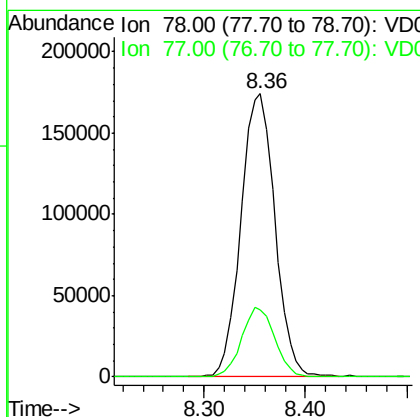
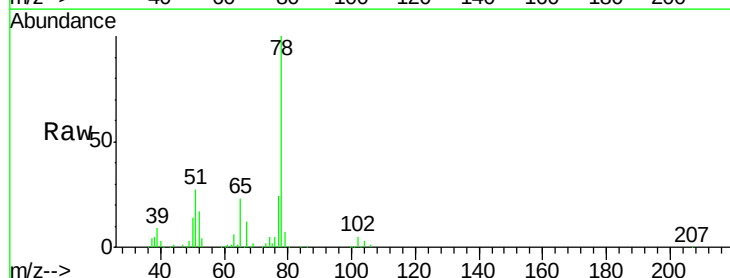
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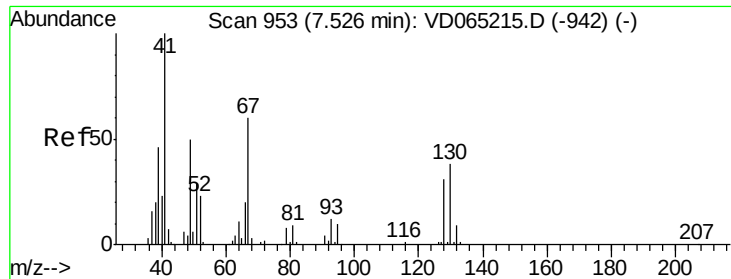
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#40
Benzene
Concen: 21.088 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065235.D
Acq: 19 Feb 2020 13:29

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.0	28.6





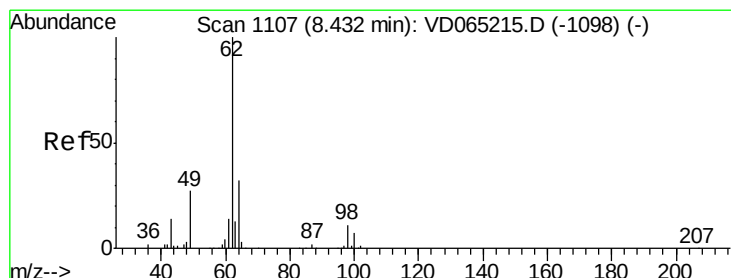
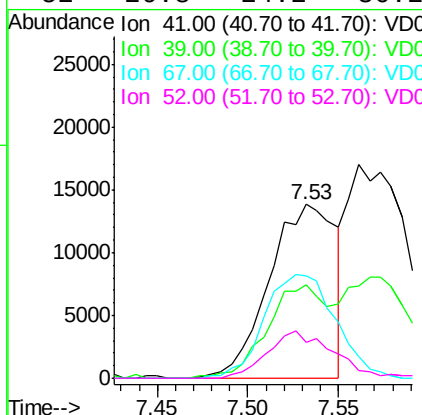
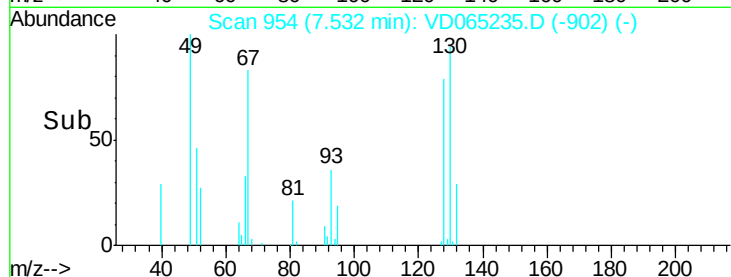
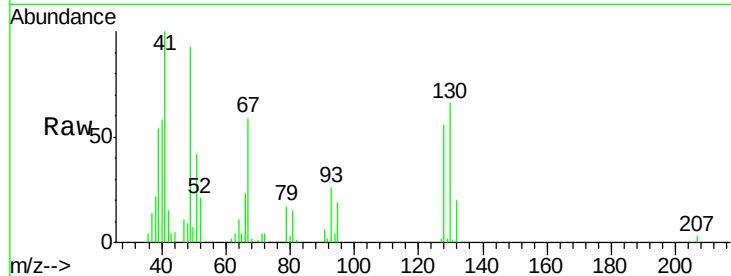
#41
Methacrylonitrile
Concen: 21.560 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD065235.D
Acq: 19 Feb 2020 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD0219SBS01

Tot Ion	41	Resp	35406
Ion	Ratio	Lower	Upper
41	100		
39	46.5	48.1	72.1#
67	63.8	58.9	88.3
52	26.8	24.2	36.2

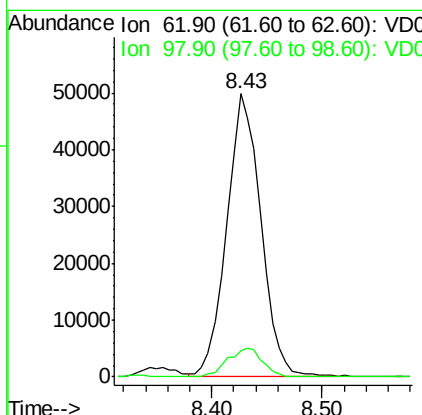
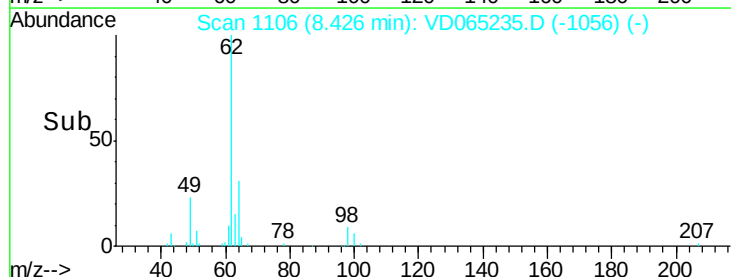
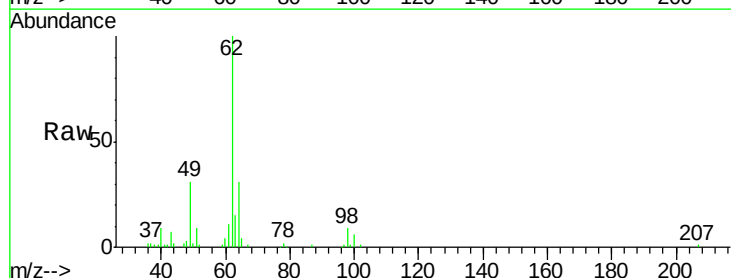
Manual Integrations
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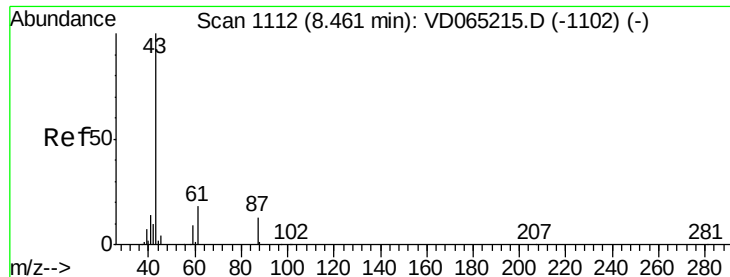
MMDadoda
2/21/2020 5:25:42 PM



#42
1,2-Dichloroethane
Concen: 20.522 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD065235.D
Acq: 19 Feb 2020 13:29

Tgt Ion	62	Resp	108343
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	20.6





#43

Isopropyl Acetate

Concen: 20.065 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD065235.D

Acq: 19 Feb 2020 13:29

Instrument :

MSVOA_D

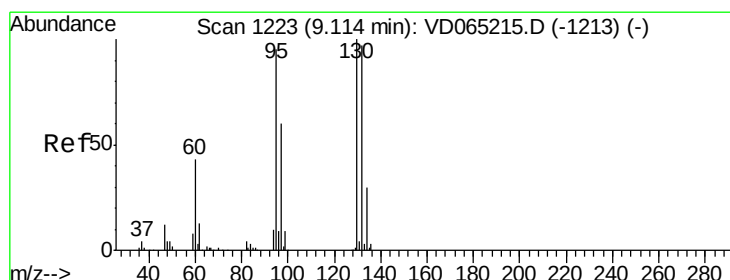
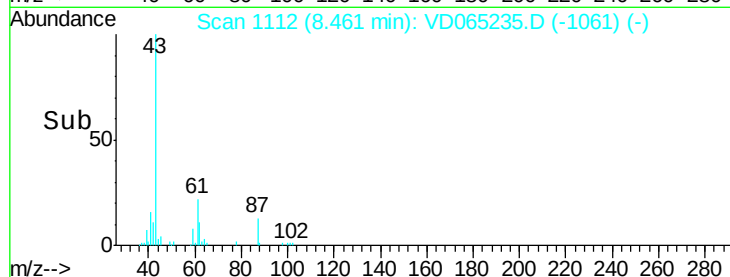
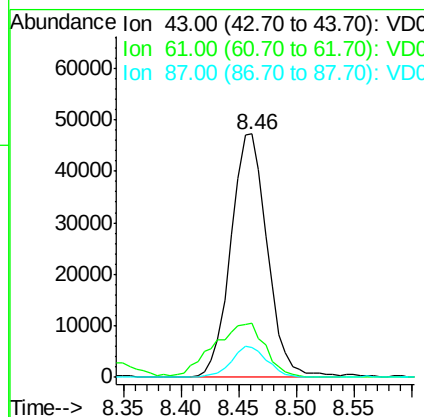
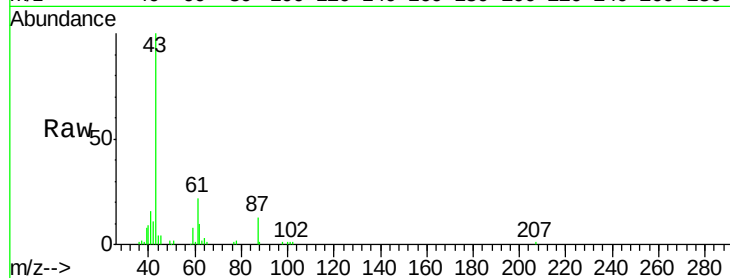
ClientSampleId :

VD0219SBS01

Tot Ion:	43	Resp:	103781
Ion	Ratio	Lower	Upper
43	100		
61	31.7	24.6	36.8
87	12.3	10.6	16.0

Manual Integrations
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#44

Trichloroethene

Concen: 20.759 ug/l

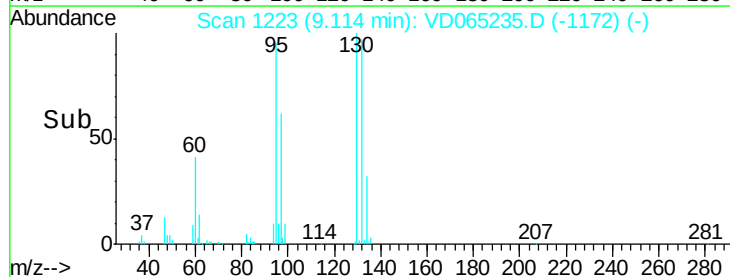
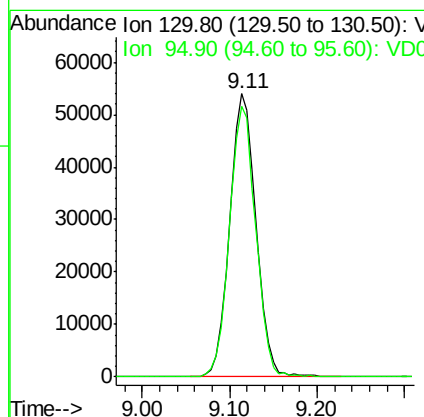
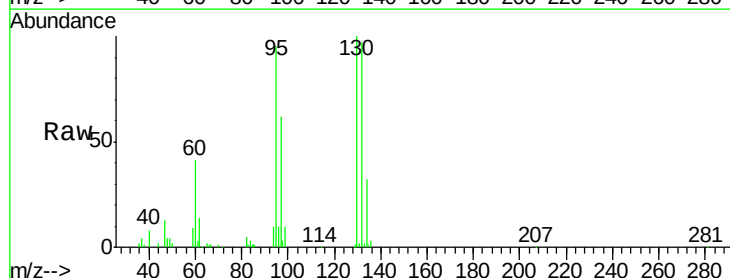
RT: 9.11 min Scan# 1223

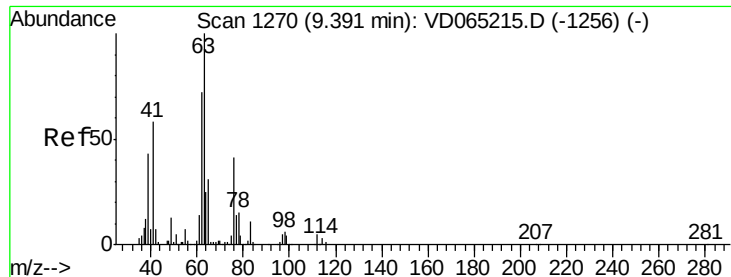
Delta R.T. 0.00 min

Lab File: VD065235.D

Acq: 19 Feb 2020 13:29

Tgt Ion:	130	Resp:	110505
Ion	Ratio	Lower	Upper
130	100		
95	95.5	0.0	190.6





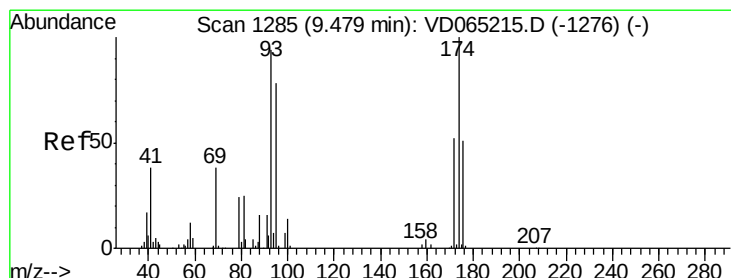
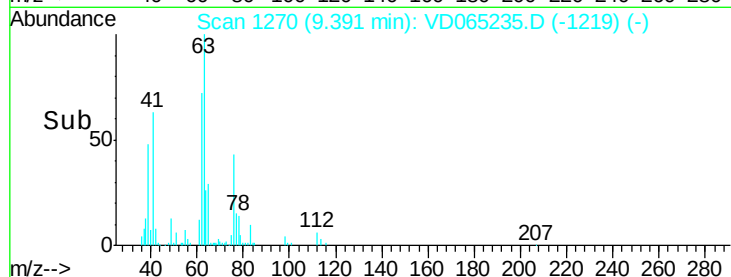
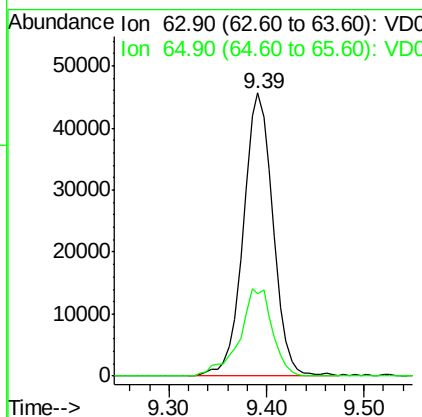
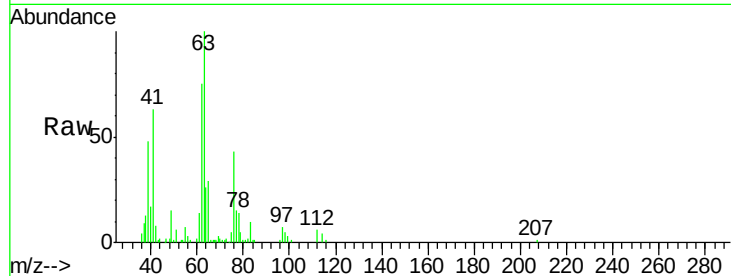
#45
 1,2-Dichloropropane
 Concen: 20.363 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065235.D
 Acq: 19 Feb 2020 13:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0219SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.2	24.9	37.3

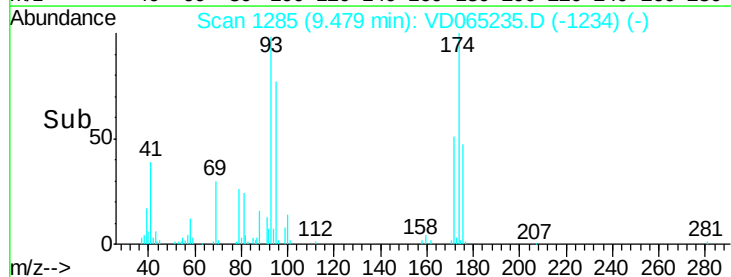
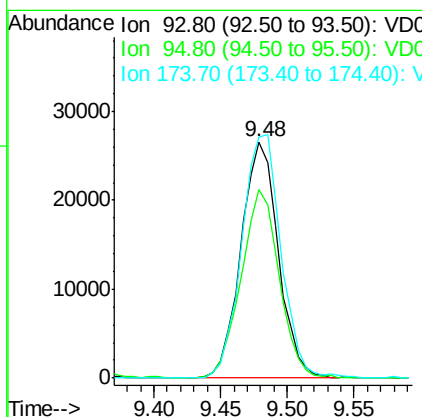
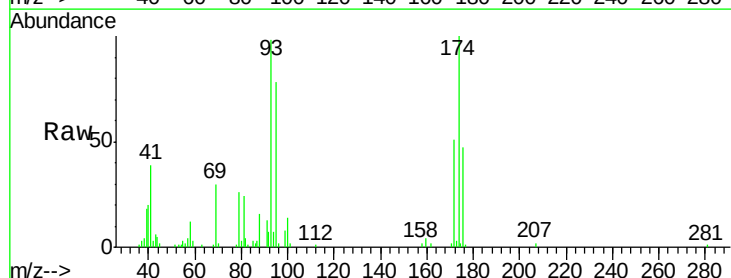
Manual Integrations
 APPROVED

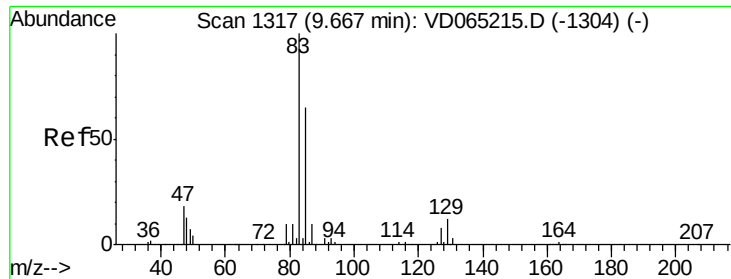
MMDadoda
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#46
 Dibromomethane
 Concen: 20.910 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065235.D
 Acq: 19 Feb 2020 13:29

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.3	65.8	98.6
174	108.4	86.8	130.2





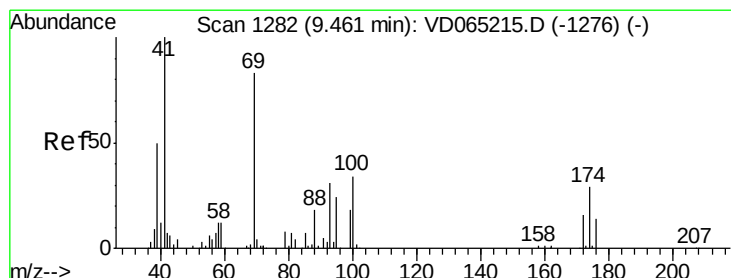
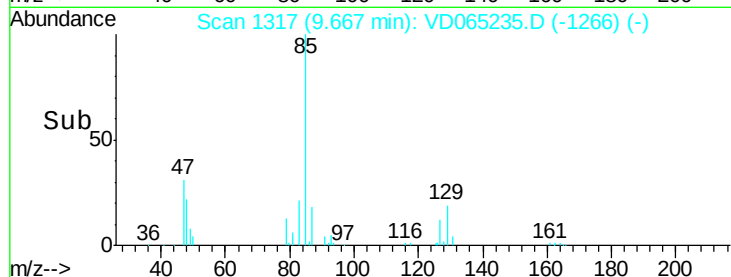
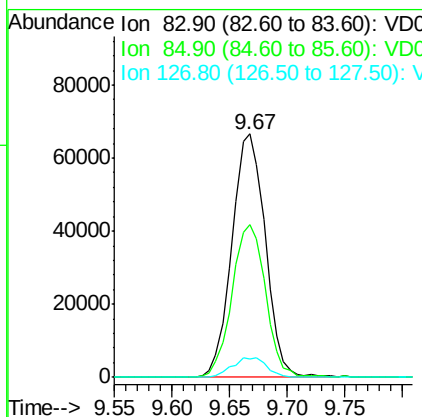
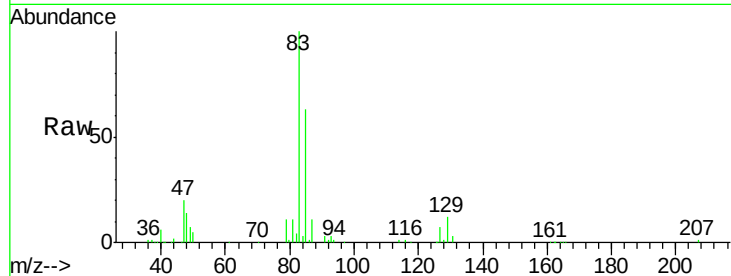
#47
Bromodichloromethane
Concen: 20.663 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD065235.D
Acq: 19 Feb 2020 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD0219SBS01

Tot Ion	83	Resp	133789
Ion Ratio	100	Lower	Upper
83	100		
85	62.8	52.0	78.0
127	7.3	6.7	10.1

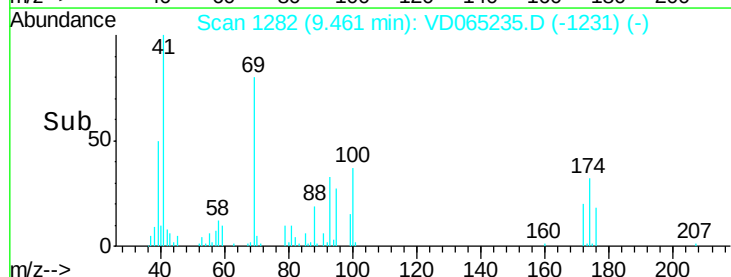
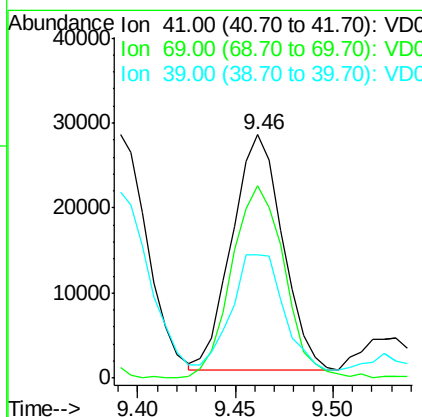
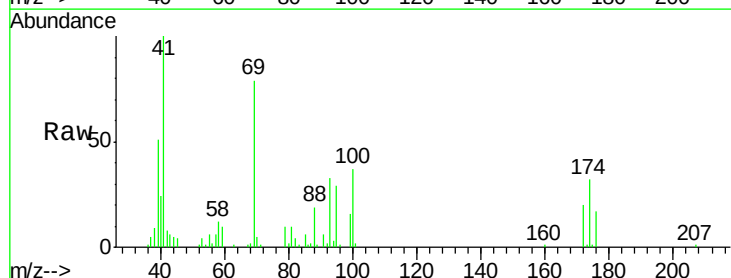
Manual Integrations
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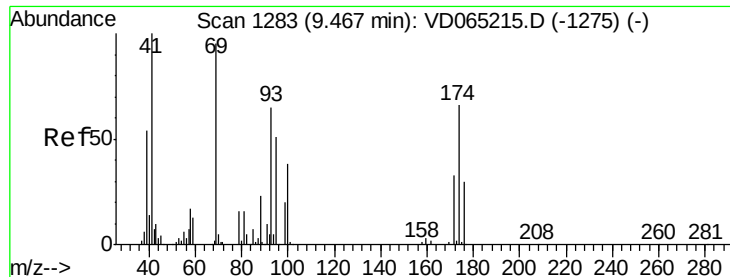
MMDadoda
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#48
Methyl methacrylate
Concen: 20.755 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD065235.D
Acq: 19 Feb 2020 13:29

Tgt Ion	41	Resp	49618
Ion Ratio	100	Lower	Upper
41	100		
69	85.8	68.2	102.2
39	50.2	42.0	63.0





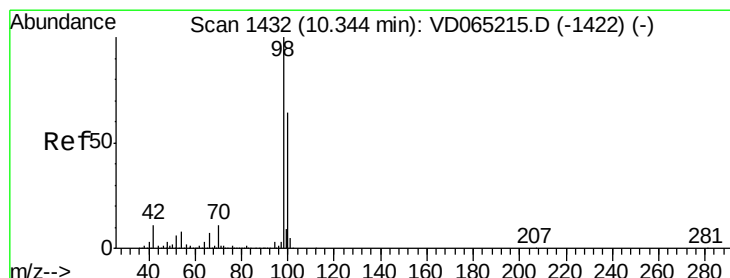
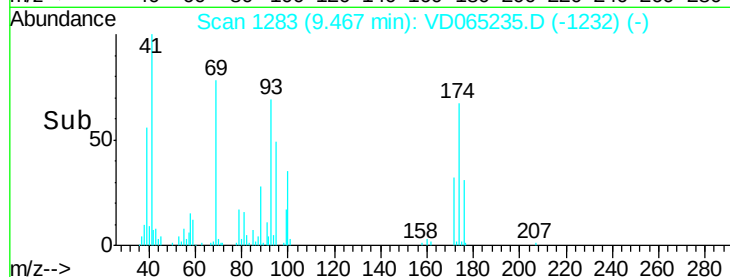
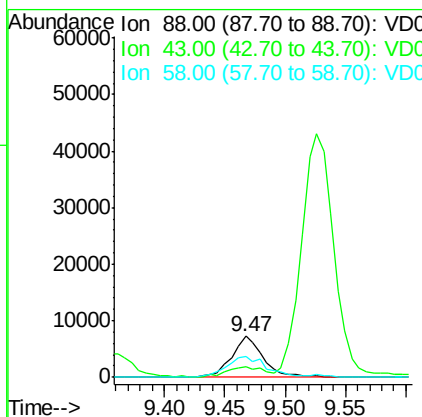
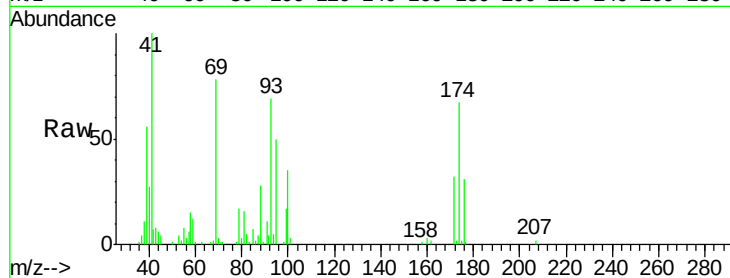
#49
1,4-Dioxane
Concen: 456.414 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065235.D
Acq: 19 Feb 2020 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD0219SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.8	28.5	42.7
58	62.2	58.6	87.8

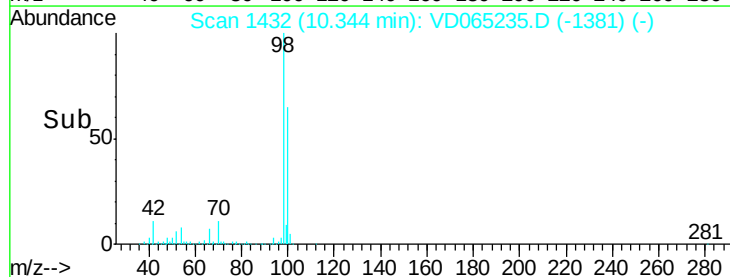
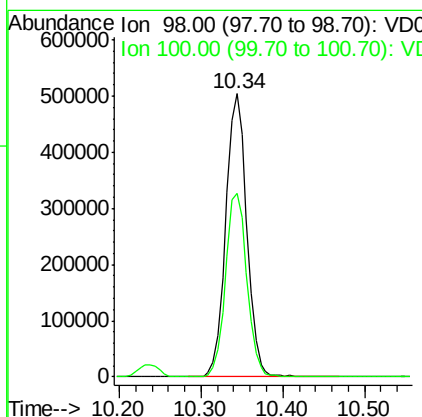
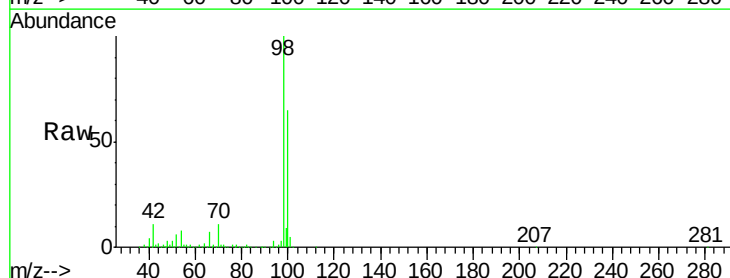
Manual Integrations
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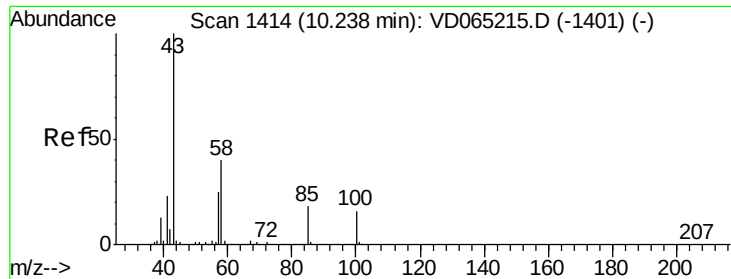
MMDadoda
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#50
Toluene-d8
Concen: 55.335 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065235.D
Acq: 19 Feb 2020 13:29

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.0	78.0





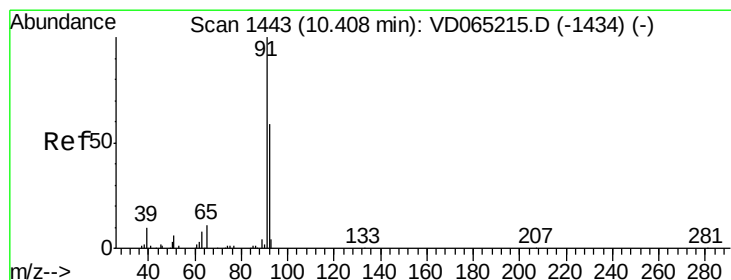
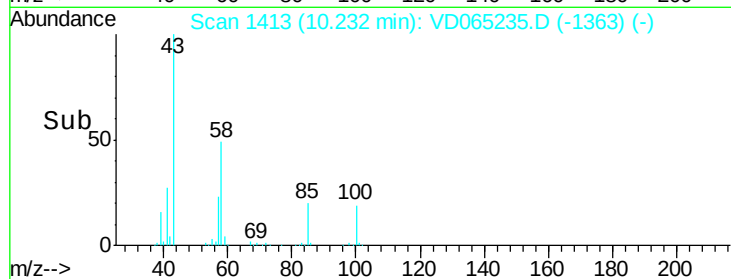
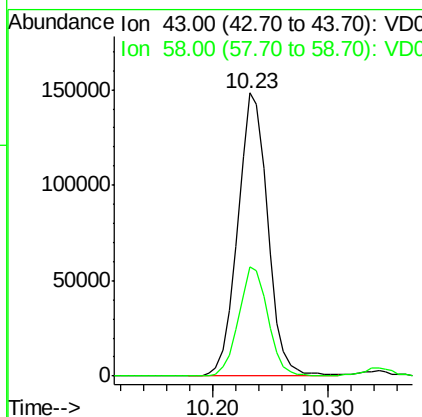
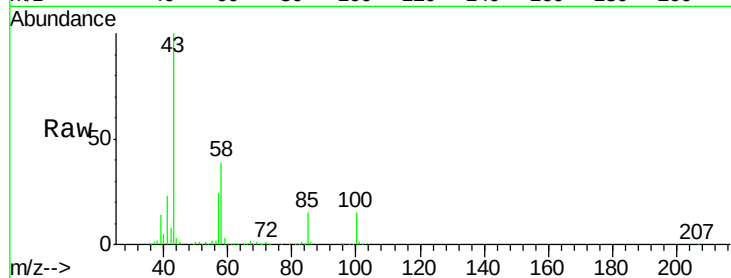
#51
 4-Methyl-2-Pentanone
 Concen: 101.914 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. -0.01 min
 Lab File: VD065235.D
 Acq: 19 Feb 2020 13:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0219SBS01

Tot Ion	43	Resp	267726
Ion Ratio	100	Lower	Upper
43	100		
58	37.8	31.1	46.7

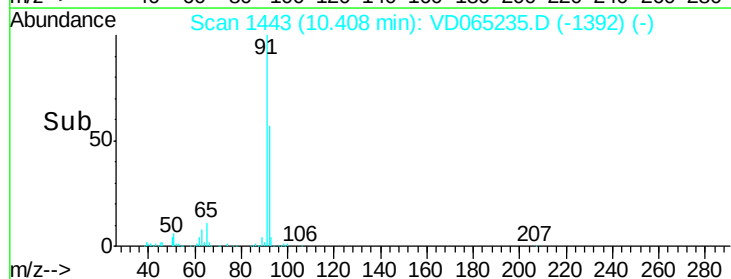
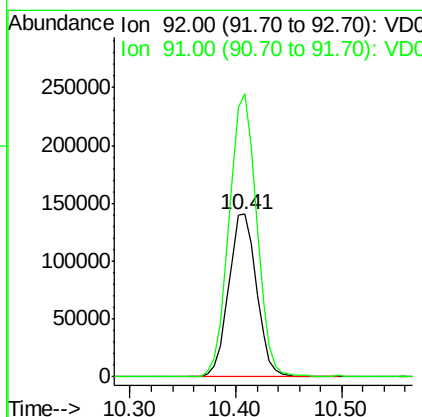
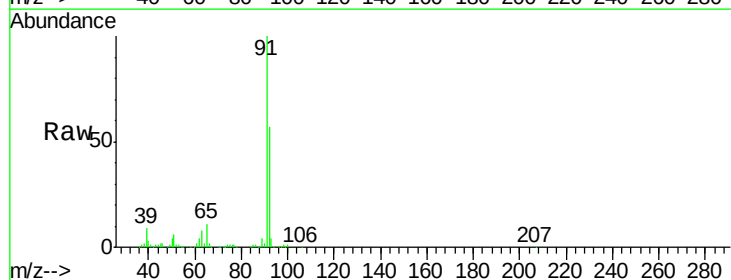
Manual Integrations
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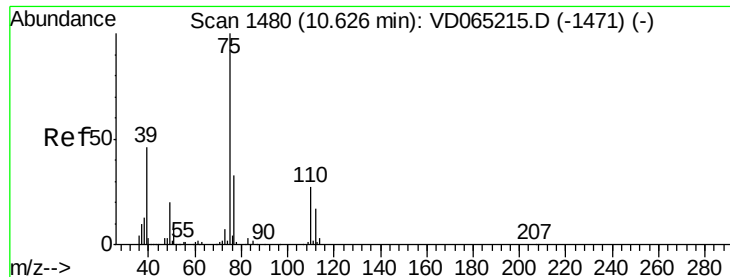
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#52
 Toluene
 Concen: 21.668 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. 0.00 min
 Lab File: VD065235.D
 Acq: 19 Feb 2020 13:29

Tgt Ion	92	Resp	257561
Ion Ratio	100	Lower	Upper
92	100		
91	171.9	136.3	204.5





#53

t-1,3-Dichloropropene

Concen: 20.464 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065235.D

Acq: 19 Feb 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD0219SBS01

Tot Ion: 75 Resp: 122816

Ion Ratio Lower Upper

75 100

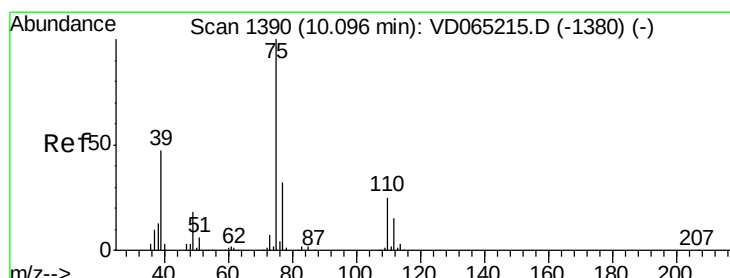
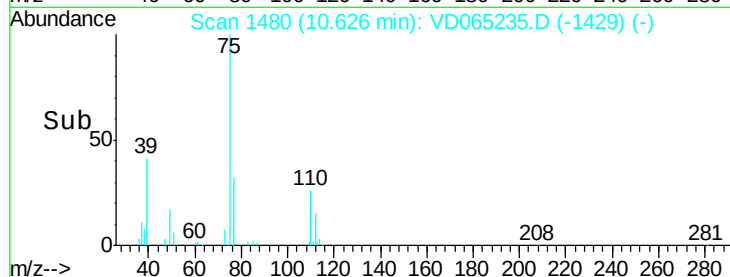
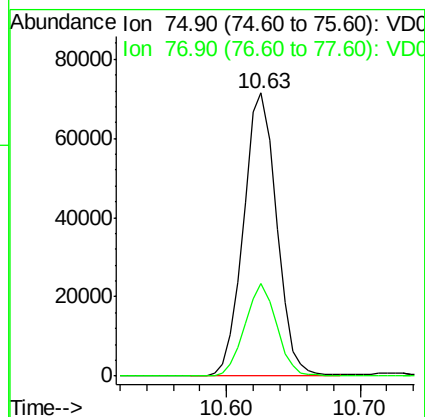
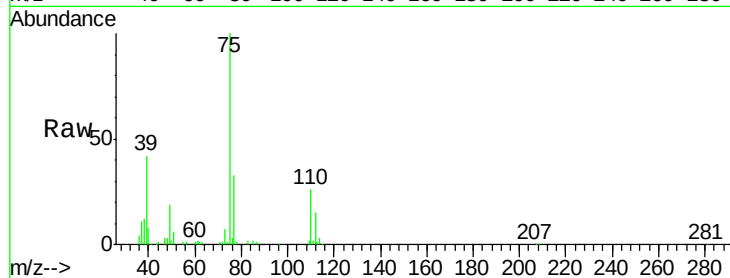
77 32.9 26.6 40.0

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 20.463 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD065235.D

Acq: 19 Feb 2020 13:29

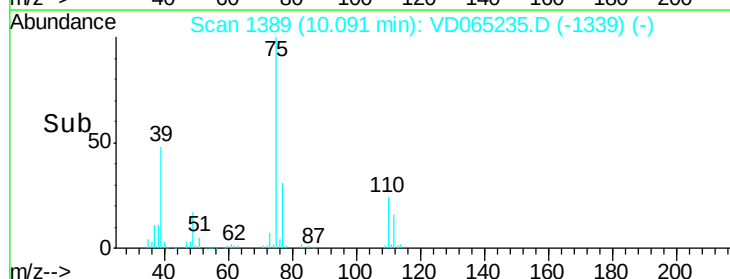
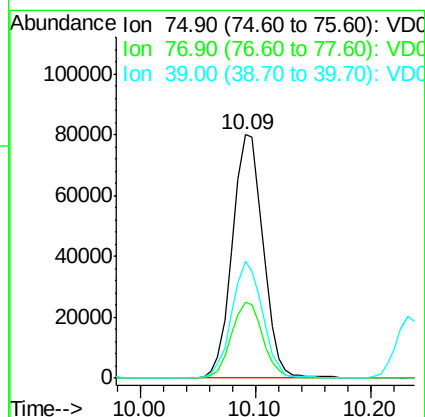
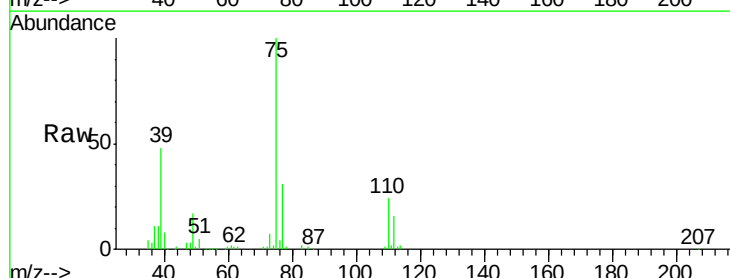
Tgt Ion: 75 Resp: 148299

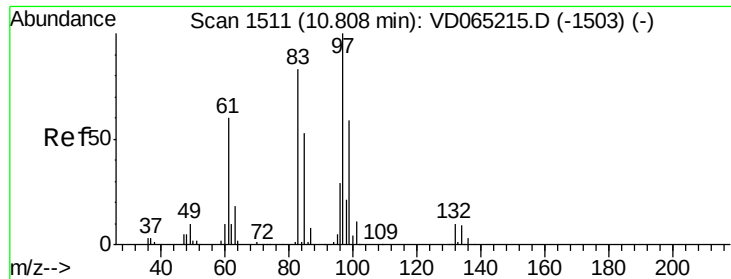
Ion Ratio Lower Upper

75 100

77 31.3 25.8 38.8

39 47.6 37.3 55.9





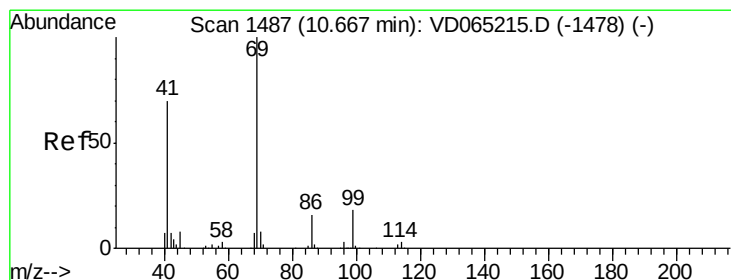
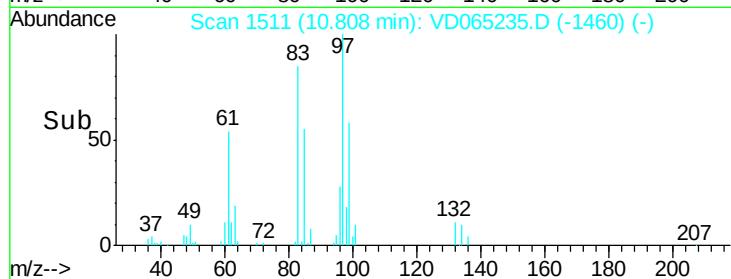
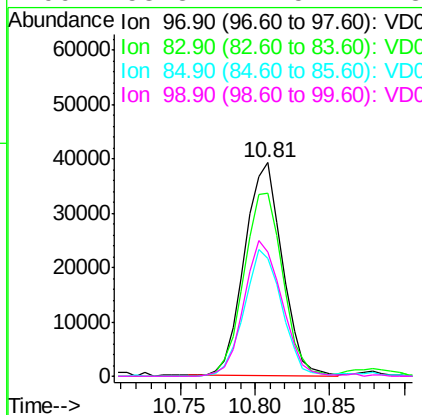
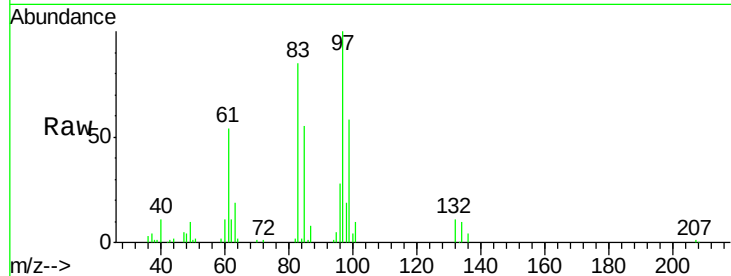
#55
 1,1,2-Trichloroethane
 Concen: 19.851 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.00 min
 Lab File: VD065235.D
 Acq: 19 Feb 2020 13:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0219SBS01

Tot Ion:	97	Resp:	68647
Ion	Ratio	Lower	Upper
97	100		
83	85.8	66.7	100.1
85	55.3	42.4	63.6
99	58.3	47.5	71.3

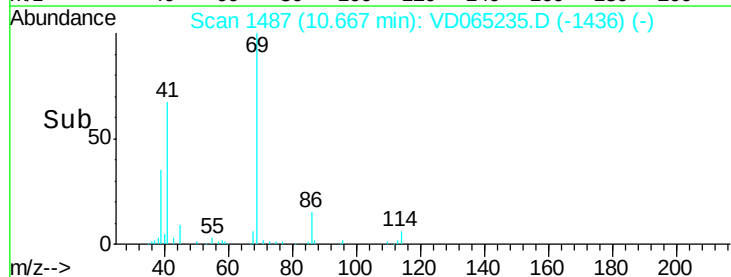
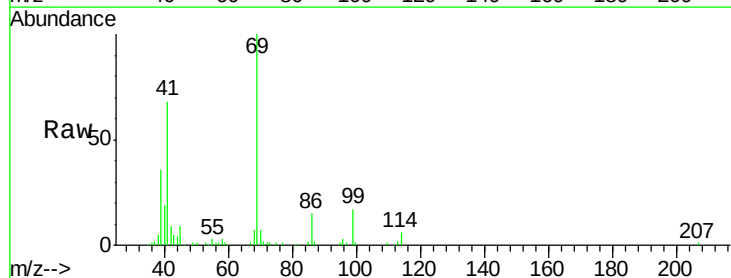
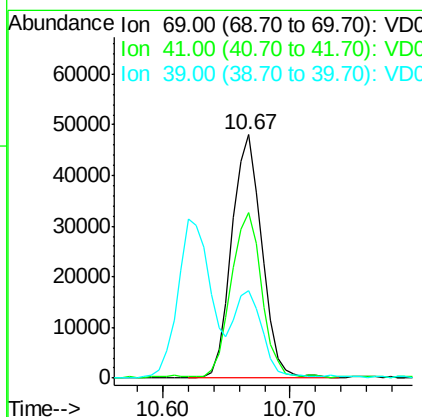
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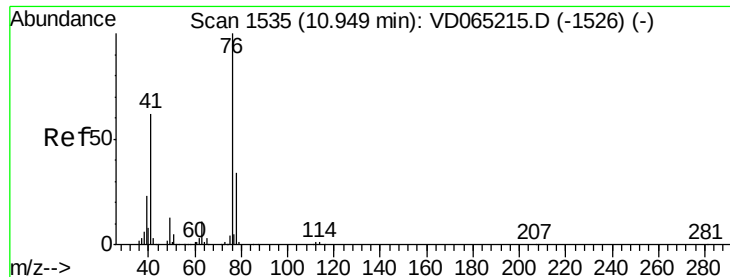
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#56
 Ethyl methacrylate
 Concen: 19.781 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065235.D
 Acq: 19 Feb 2020 13:29

Tgt Ion:	69	Resp:	78954
Ion	Ratio	Lower	Upper
69	100		
41	69.9	54.6	81.8
39	32.5	26.5	39.7





#57

1,3-Dichloropropane

Concen: 20.590 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065235.D

Acq: 19 Feb 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD0219SBS01

Tot Ion: 76 Resp: 121184

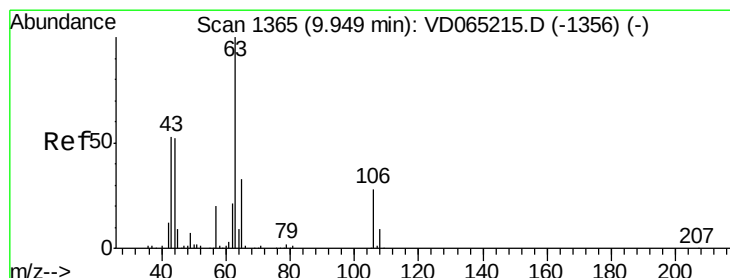
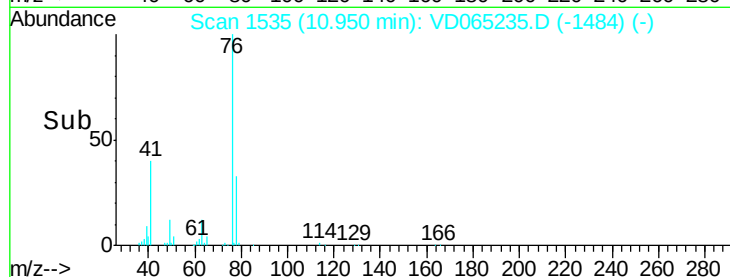
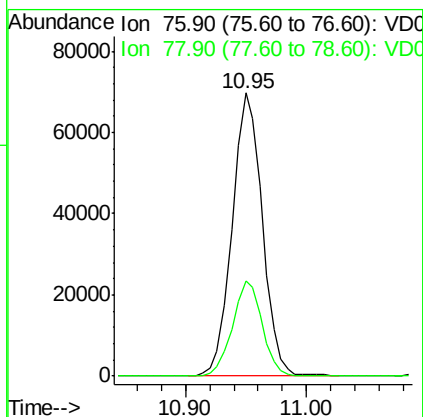
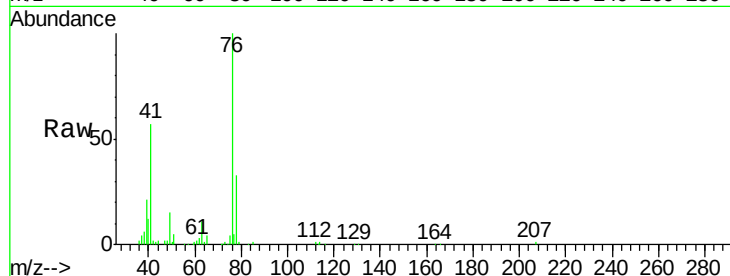
Ion Ratio Lower Upper

76 100

78 33.2 26.3 39.5

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#58

2-Chloroethyl Vinyl ether

Concen: 89.907 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD065235.D

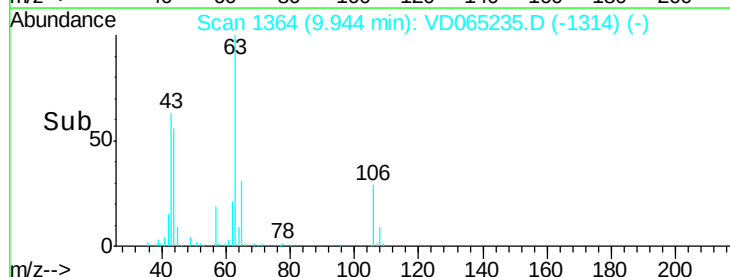
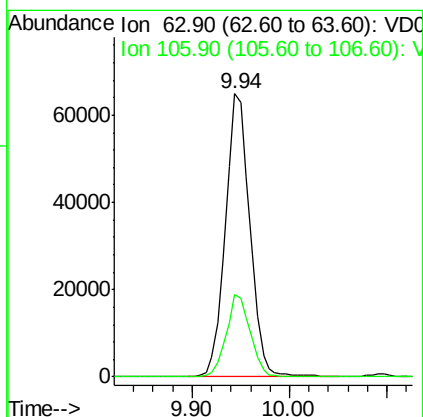
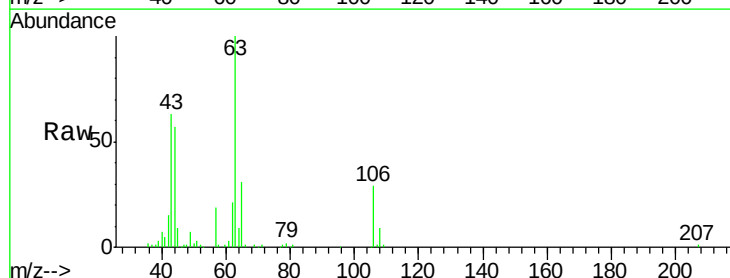
Acq: 19 Feb 2020 13:29

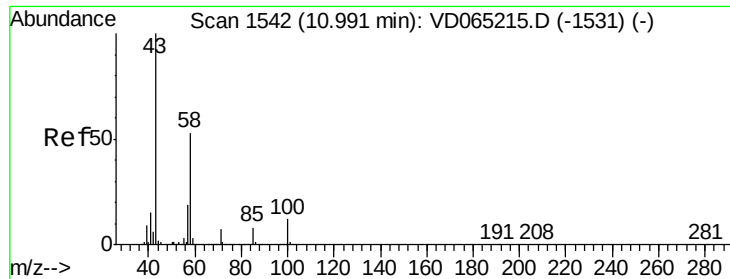
Tgt Ion: 63 Resp: 113137

Ion Ratio Lower Upper

63 100

106 28.5 22.8 34.2





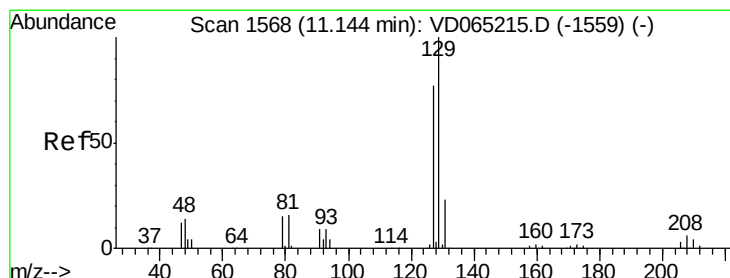
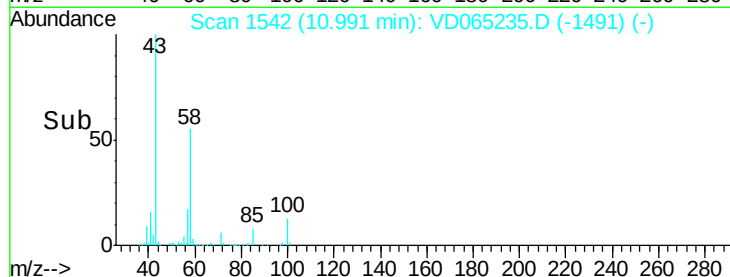
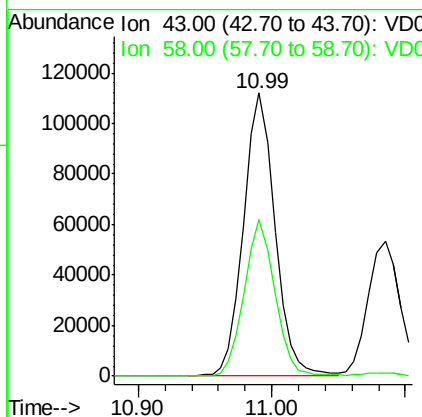
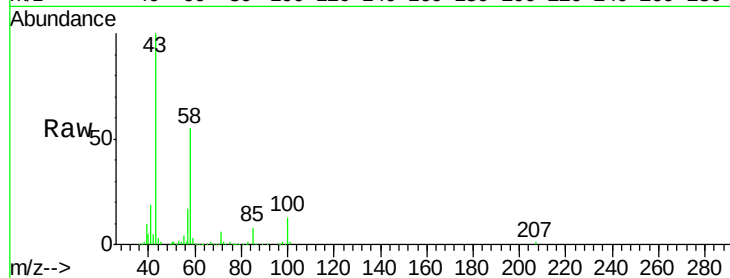
#59
2-Hexanone
Concen: 97.431 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065235.D
Acq: 19 Feb 2020 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD0219SBS01

Tot Ion: 43 Resp: 183219
Ion Ratio Lower Upper
43 100
58 53.7 26.3 78.8

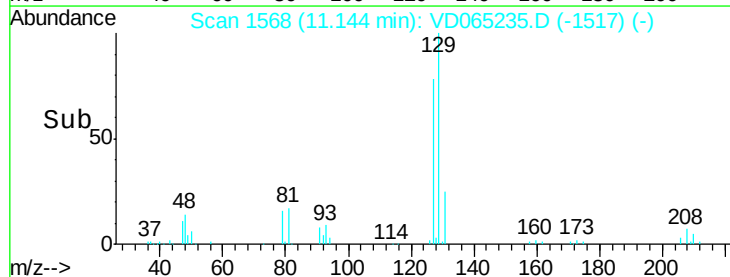
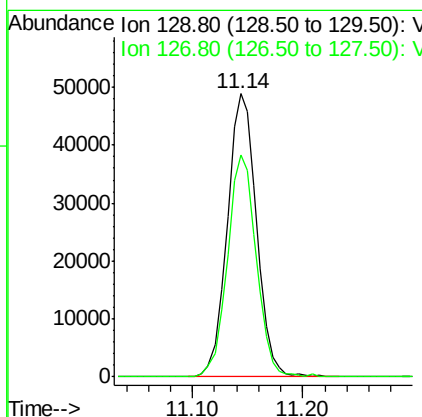
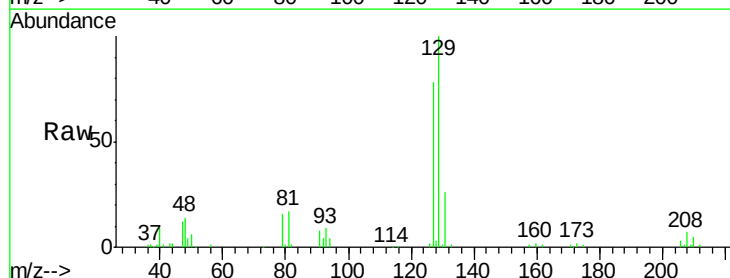
Manual Integrations
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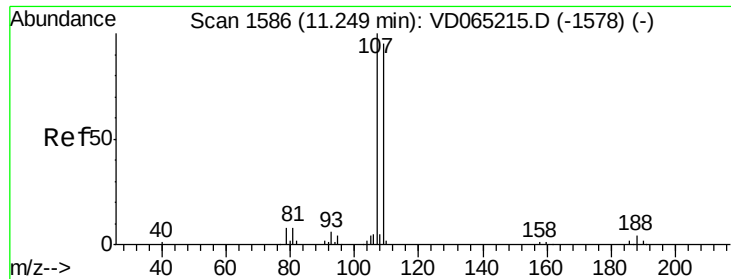
MMDadoda
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#60
Dibromochloromethane
Concen: 20.449 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065235.D
Acq: 19 Feb 2020 13:29

Tgt Ion: 129 Resp: 90512
Ion Ratio Lower Upper
129 100
127 77.2 38.7 116.1





#61

1,2-Dibromoethane

Concen: 20.738 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD065235.D

Acq: 19 Feb 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD0219SBS01

Tot Ion: 107 Resp: 67900

Ion Ratio Lower Upper

107 100

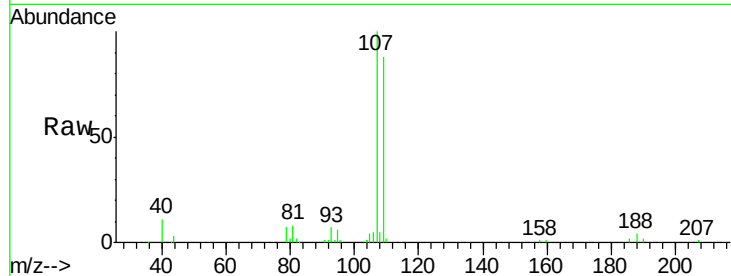
109 92.9 76.2 114.4

Manual Integrations

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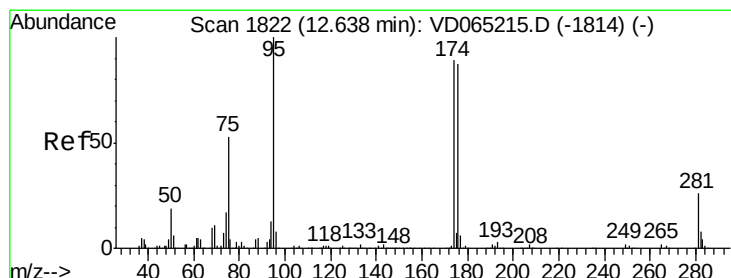
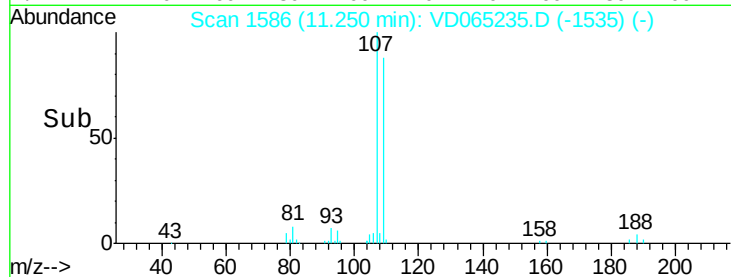
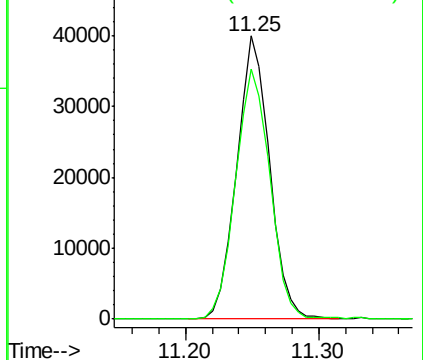
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 54.514 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD065235.D

Acq: 19 Feb 2020 13:29

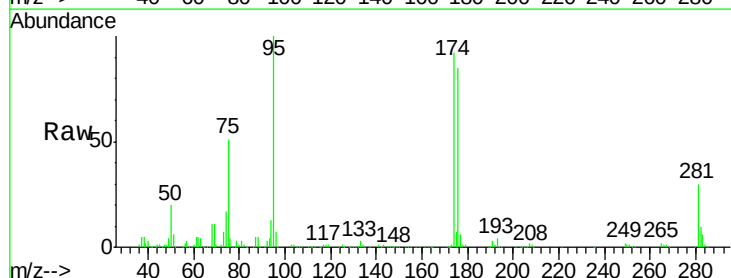
Tgt Ion: 95 Resp: 281476

Ion Ratio Lower Upper

95 100

174 89.4 0.0 178.0

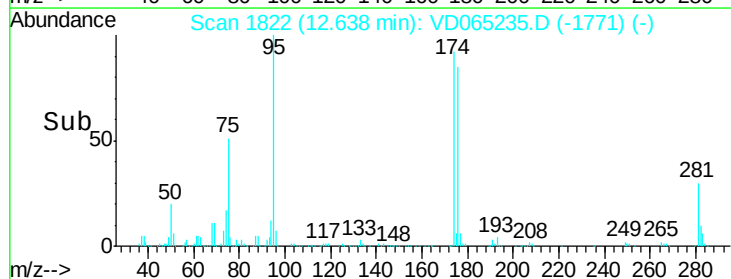
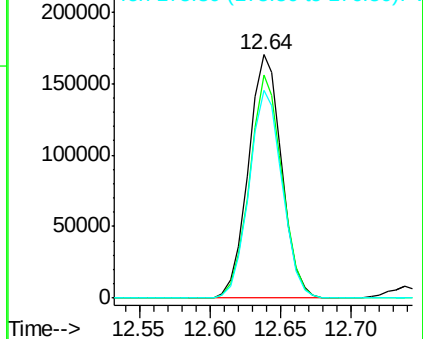
176 84.6 0.0 174.4

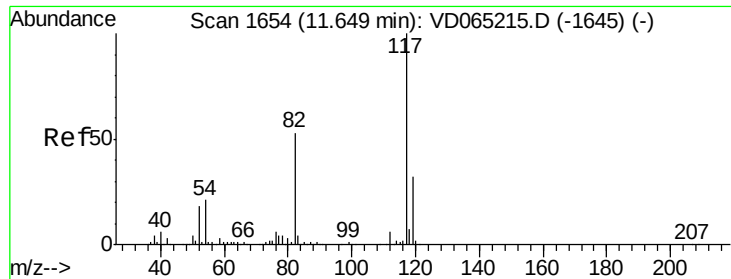


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





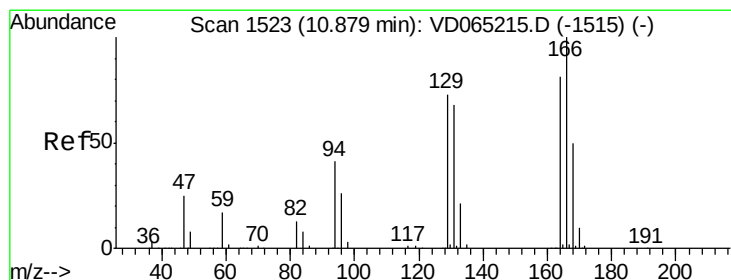
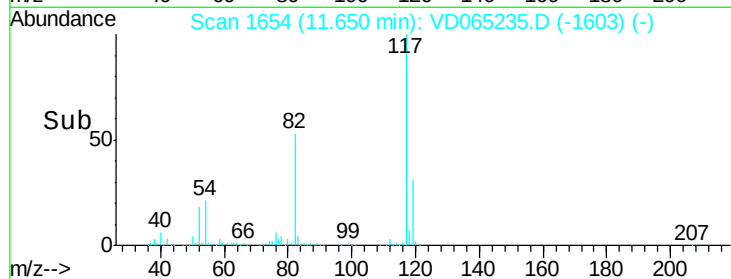
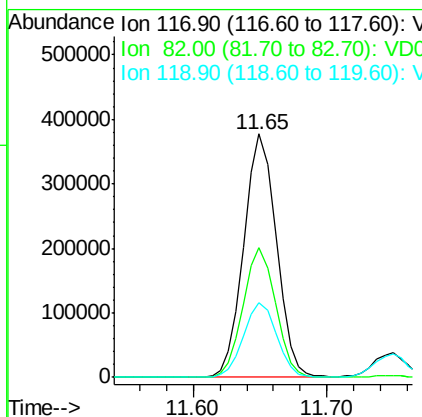
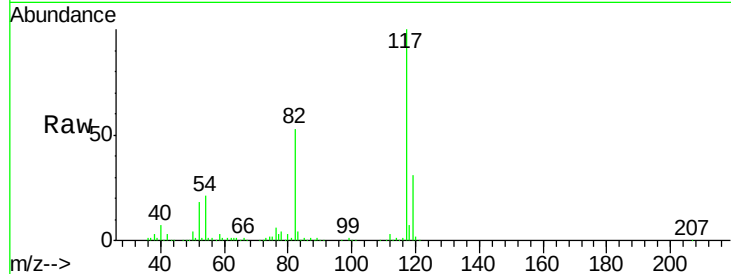
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065235.D
Acq: 19 Feb 2020 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD0219SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	42.7	64.1
119	30.8	25.5	38.3

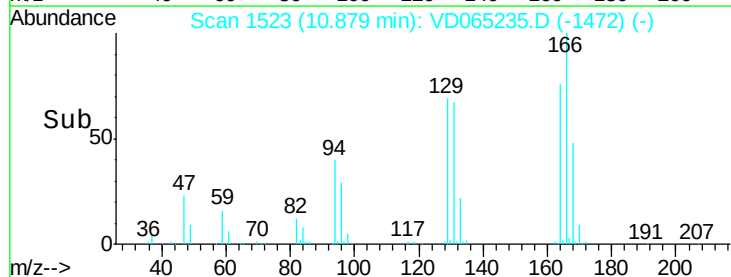
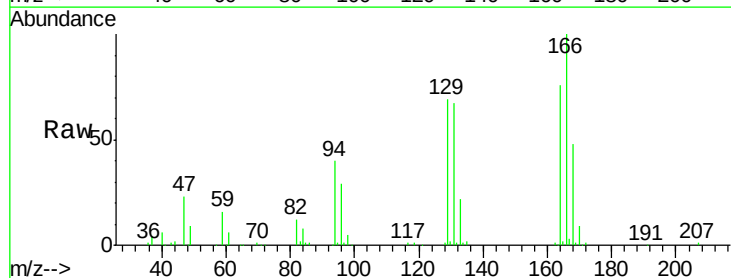
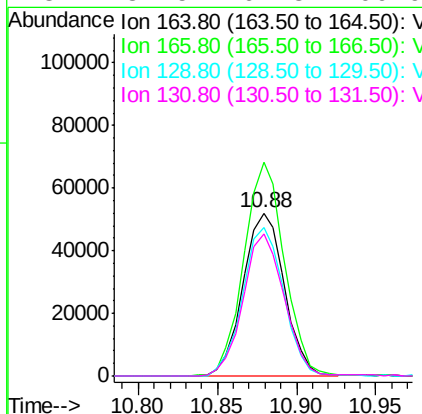
Manual Integrations
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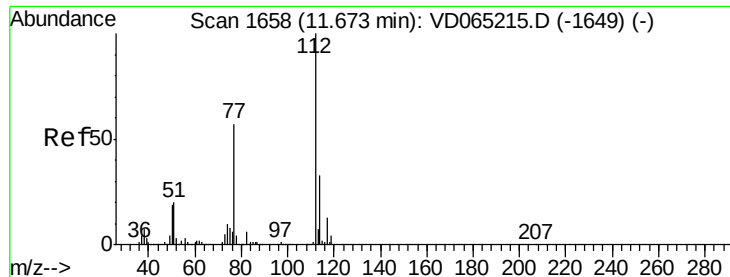
MMDadoda
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#64
Tetrachloroethene
Concen: 20.788 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065235.D
Acq: 19 Feb 2020 13:29

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.1	98.4	147.6
129	90.9	71.6	107.4
131	87.5	67.3	100.9





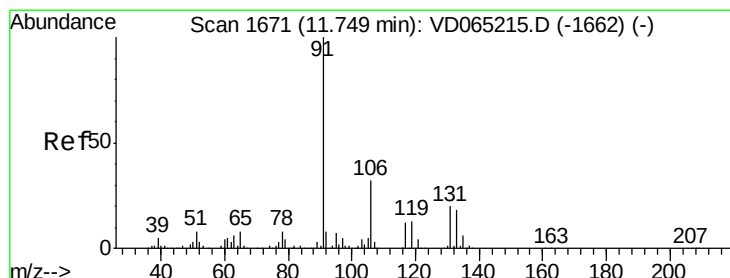
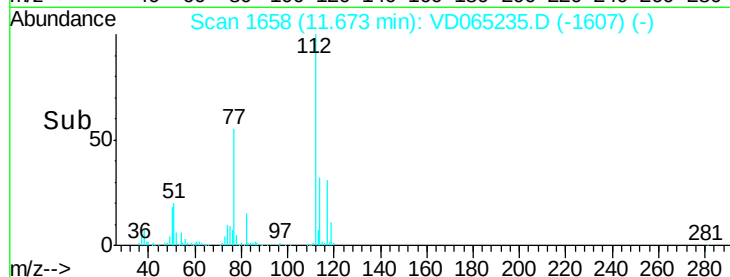
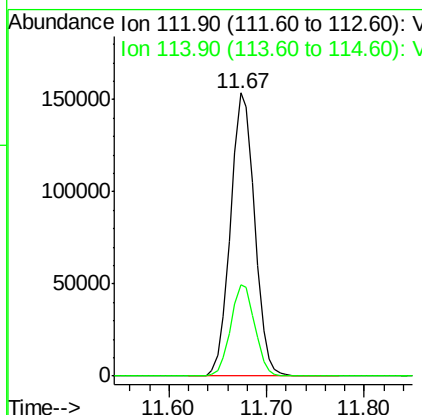
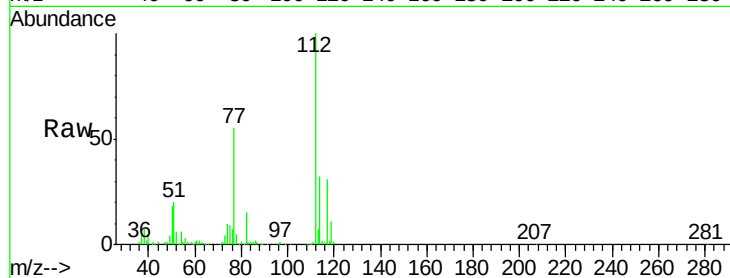
#65
Chlorobenzene
Concen: 20.595 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD065235.D
Acq: 19 Feb 2020 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD0219SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	26.4	39.6

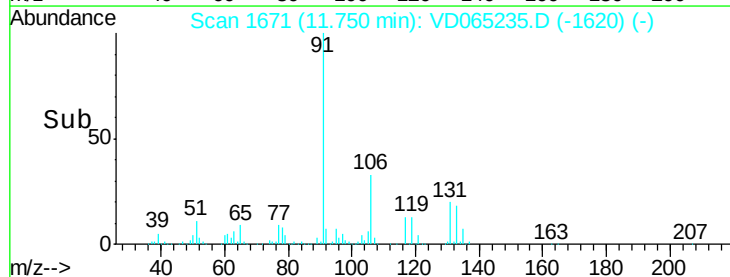
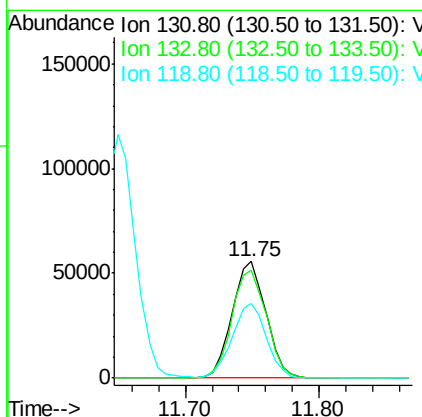
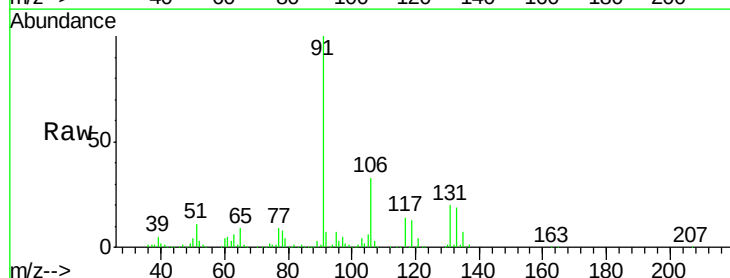
Manual Integrations
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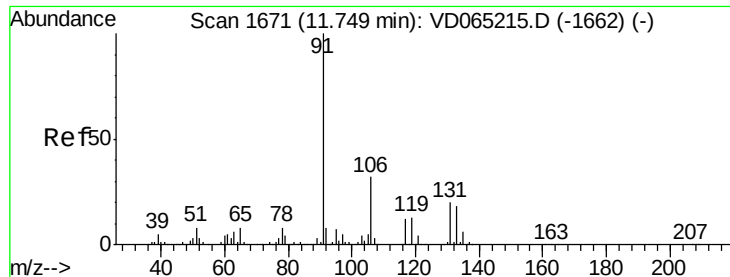
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.500 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065235.D
Acq: 19 Feb 2020 13:29

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.2	47.7	143.1
119	64.7	32.7	98.1





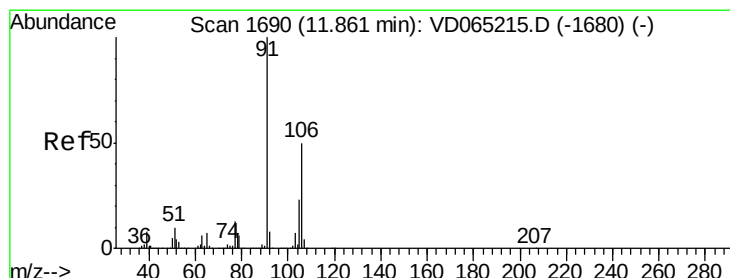
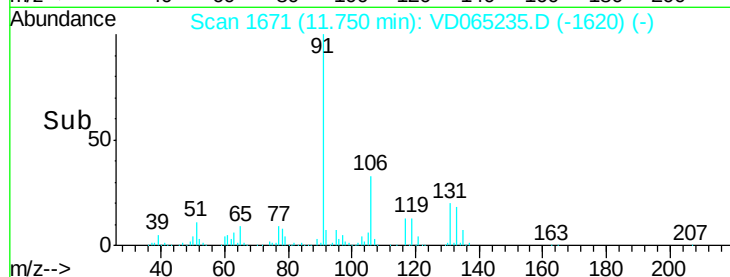
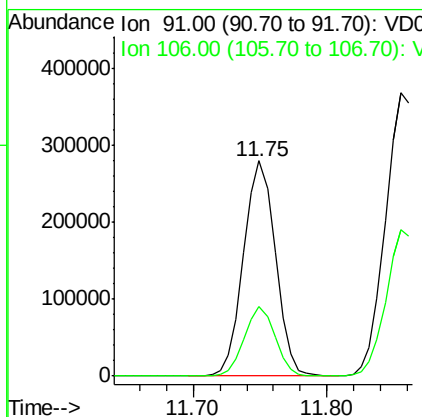
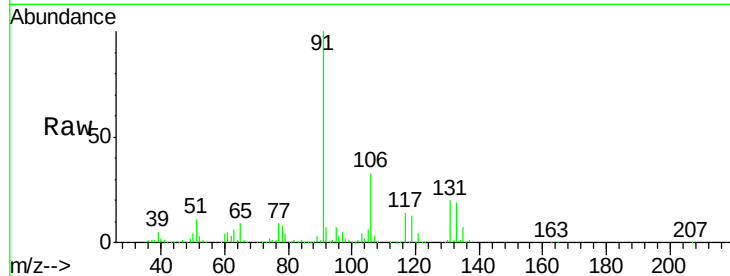
#67
Ethyl Benzene
Concen: 20.689 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065235.D
Acq: 19 Feb 2020 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD0219SBS01

Tot Ion: 91 Resp: 464640
Ion Ratio Lower Upper
91 100
106 32.6 25.2 37.8

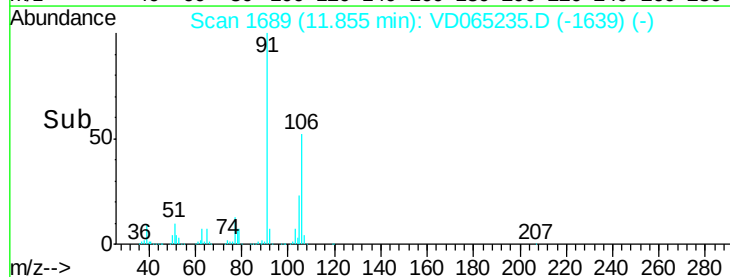
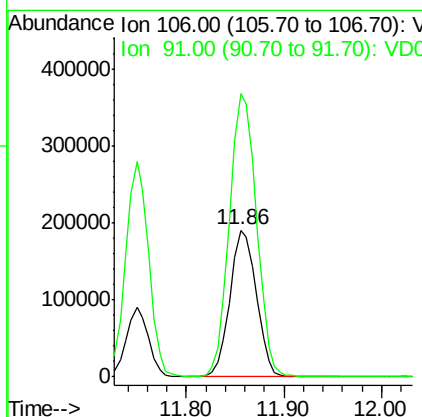
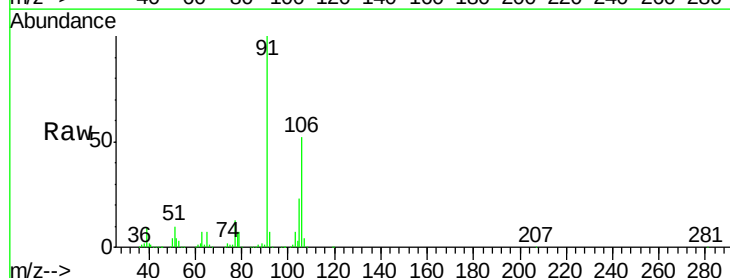
Manual Integrations
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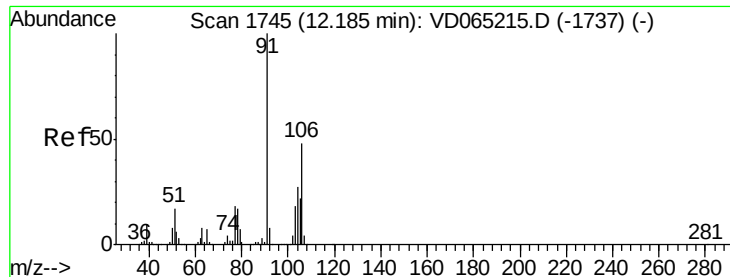
MMDadoda
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#68
m/p-Xylenes
Concen: 42.092 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VD065235.D
Acq: 19 Feb 2020 13:29

Tgt Ion: 106 Resp: 361672
Ion Ratio Lower Upper
106 100
91 197.1 158.2 237.4





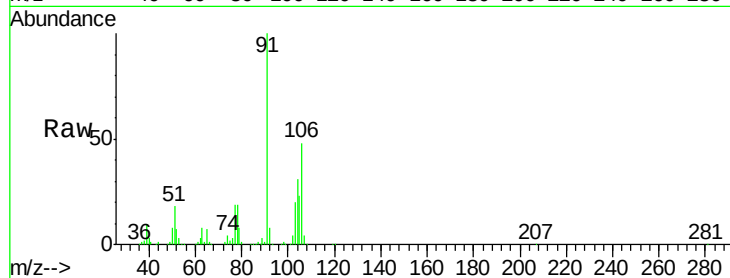
#69
o-Xylene
Concen: 20.884 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065235.D
Acq: 19 Feb 2020 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD0219SBS01

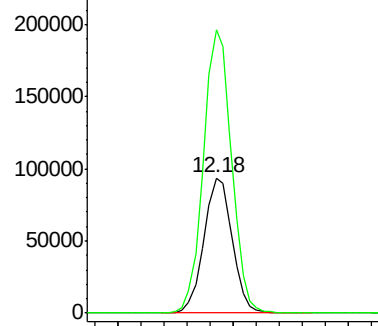
Tot Ion:106 Resp: 158976
Ion Ratio Lower Upper
106 100
91 207.5 104.7 313.9

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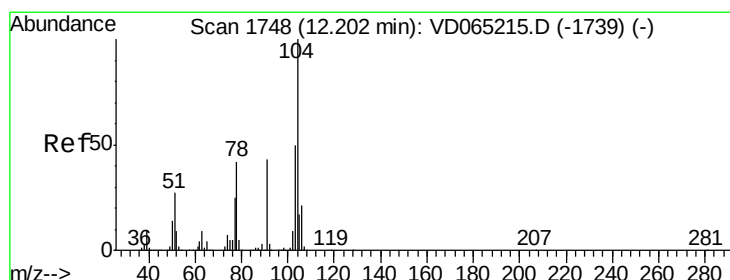
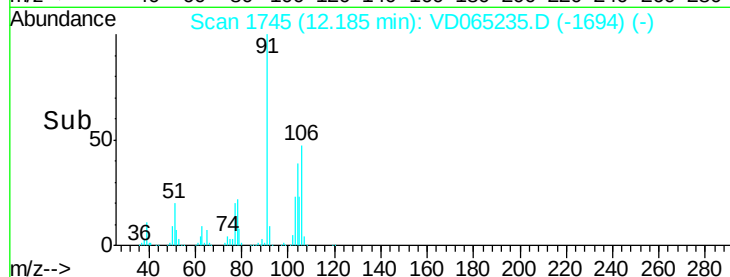
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Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VDC

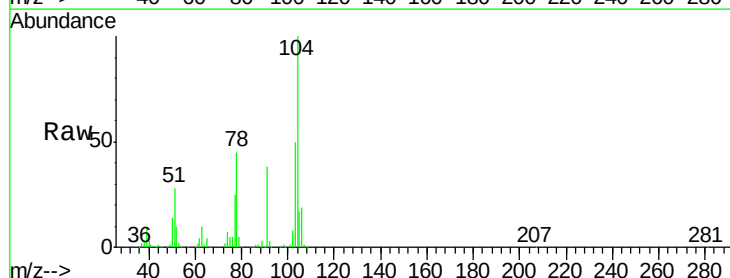


Time--> 12.10 12.20 12.30

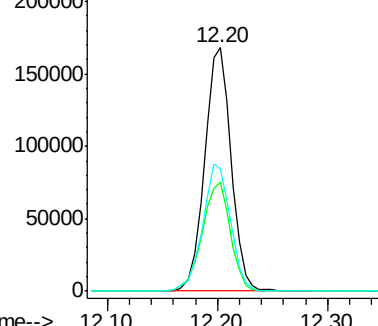


#70
Styrene
Concen: 20.884 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065235.D
Acq: 19 Feb 2020 13:29

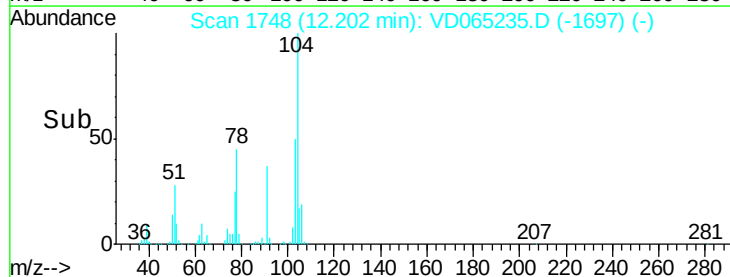
Tgt Ion:104 Resp: 282254
Ion Ratio Lower Upper
104 100
78 47.7 37.8 56.6
103 55.1 43.4 65.2

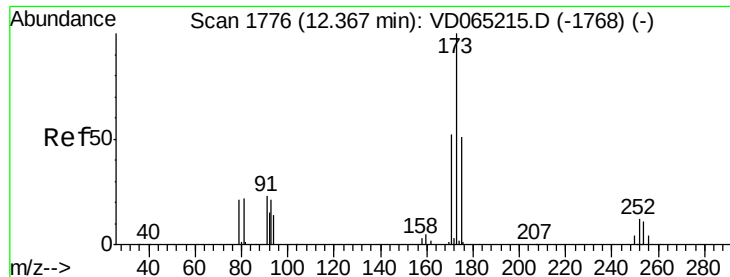


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VDC
Ion 103.00 (102.70 to 103.70): V



Time--> 12.10 12.20 12.30





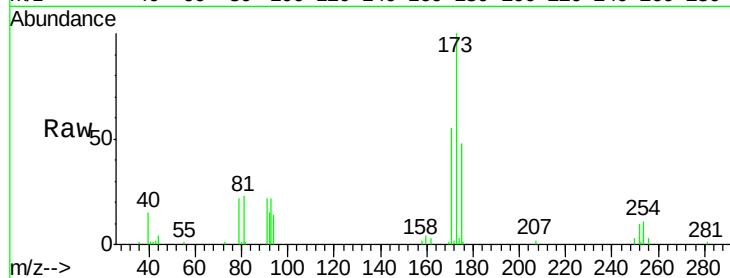
#71
Bromoform
Concen: 20.015 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD065235.D
Acq: 19 Feb 2020 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD0219SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.4	73.4
254	0.0	0.0	0.0

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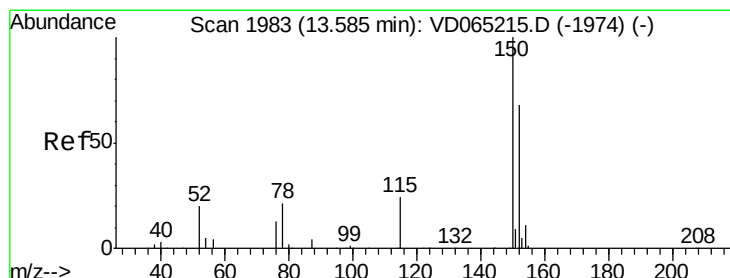
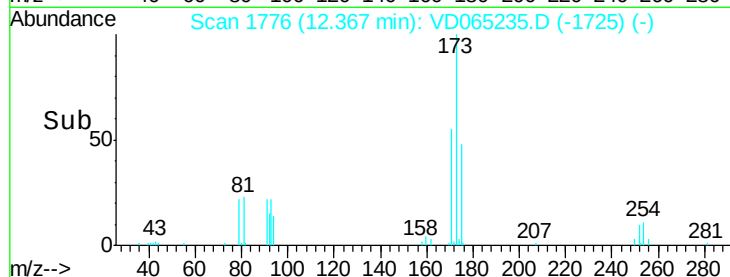
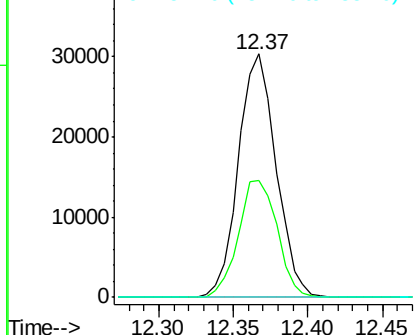


Abundance

Ion 172.70 (172.40 to 173.40): V

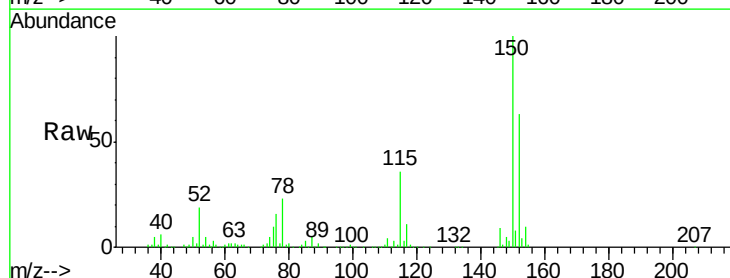
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065235.D
Acq: 19 Feb 2020 13:29

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.1	27.6	82.8
150	166.2	0.0	347.4

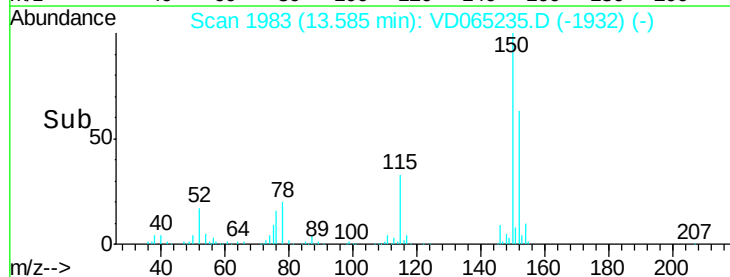
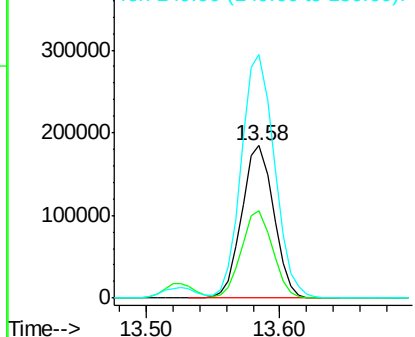


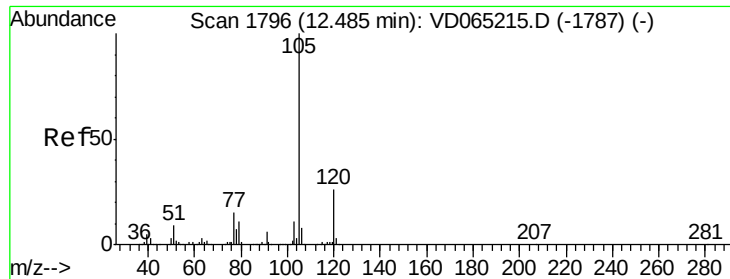
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.312 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065235.D

Acq: 19 Feb 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD0219SBS01

Tot Ion:105 Resp: 429737

Ion Ratio Lower Upper

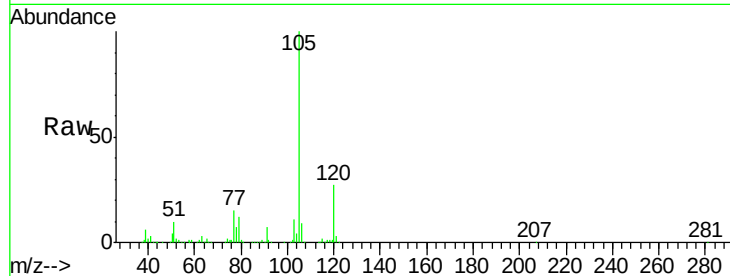
105 100

120 26.7 13.3 39.9

Manual Integrations
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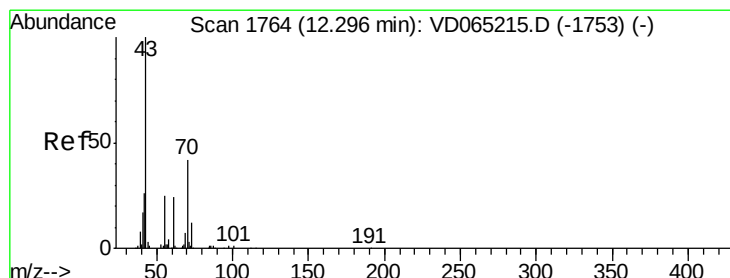
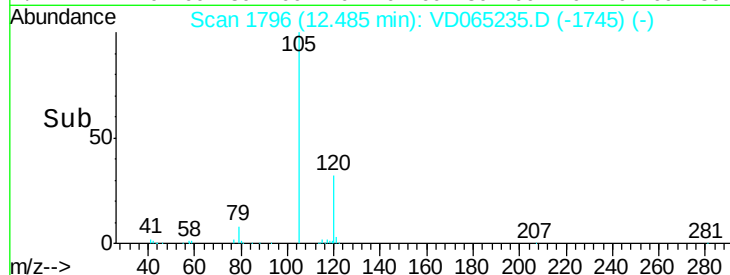
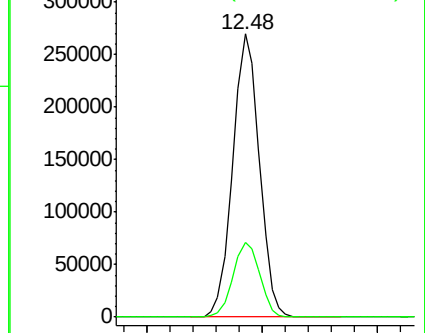
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.182 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065235.D

Acq: 19 Feb 2020 13:29

Tgt Ion: 43 Resp: 90428

Ion Ratio Lower Upper

43 100

70 43.9 33.7 50.5

55 27.8 20.7 31.1

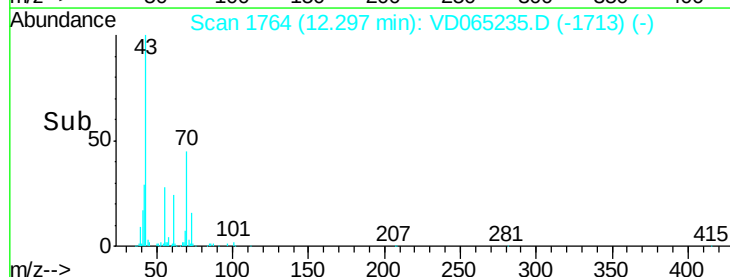
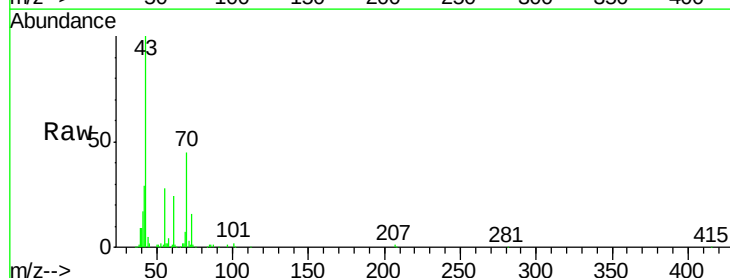
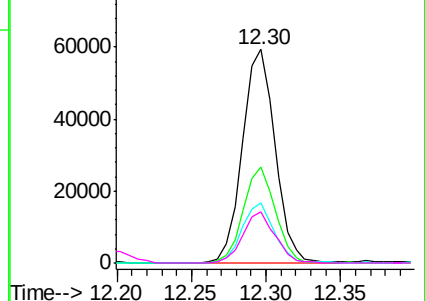
61 23.5 19.0 28.4

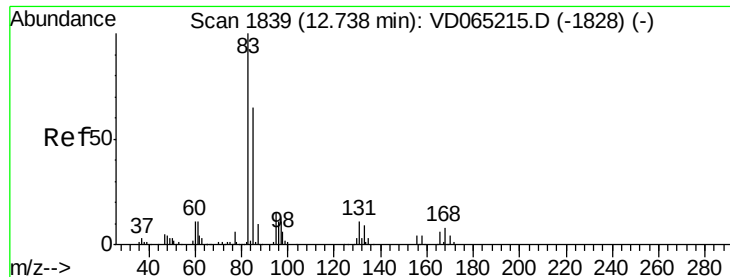
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.664 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065235.D

Acq: 19 Feb 2020 13:29

Instrument :

MSVOA_D

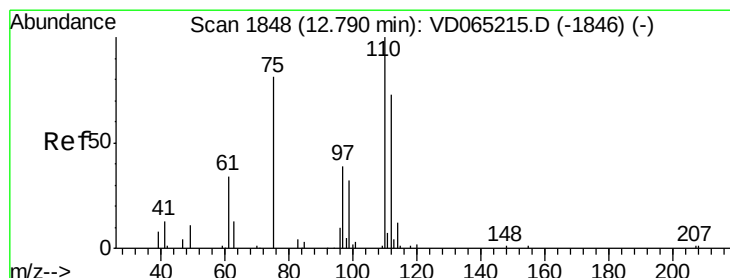
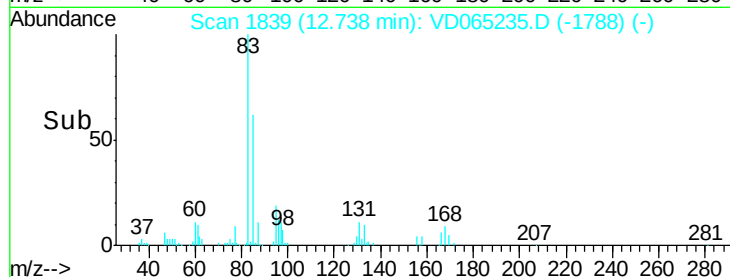
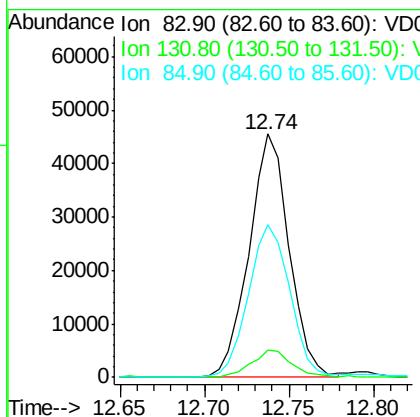
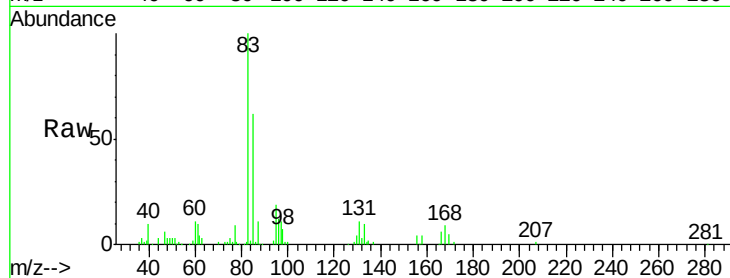
ClientSampleId :

VD0219SBS01

Tot Ion:	83	Resp:	75200
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.4	16.2
85	64.9	31.6	94.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.223 ug/l m

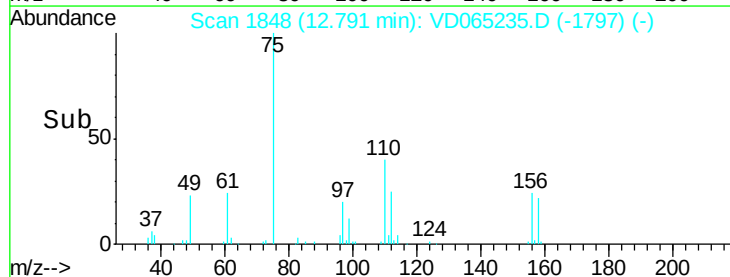
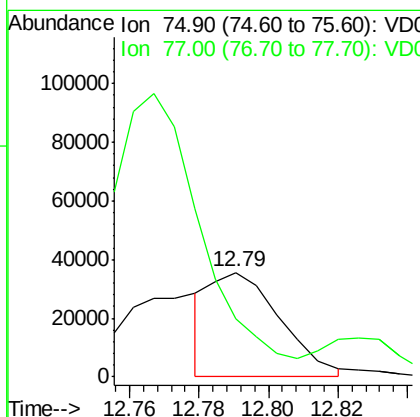
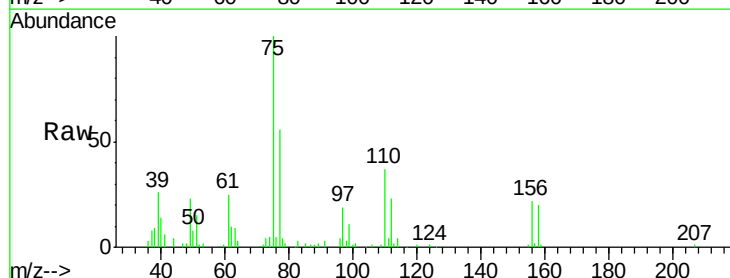
RT: 12.79 min Scan# 1848

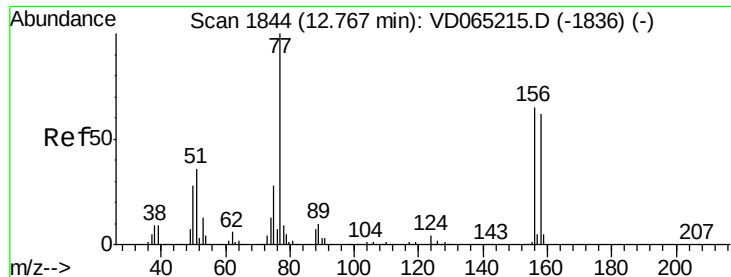
Delta R.T. 0.00 min

Lab File: VD065235.D

Acq: 19 Feb 2020 13:29

Tgt Ion:	75	Resp:	49814
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.215 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065235.D

Acq: 19 Feb 2020 13:29

Instrument :

MSVOA_D

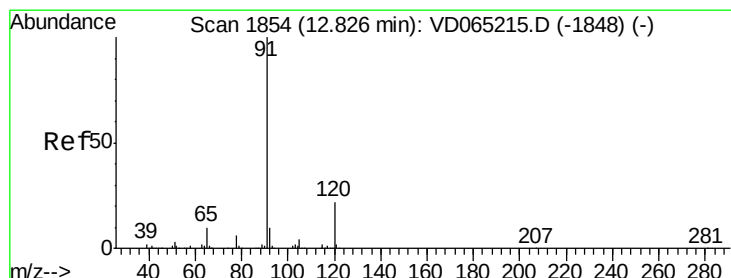
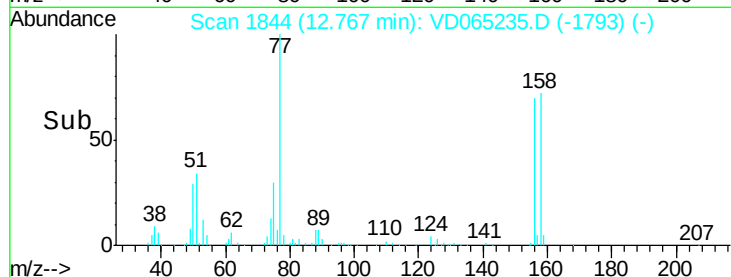
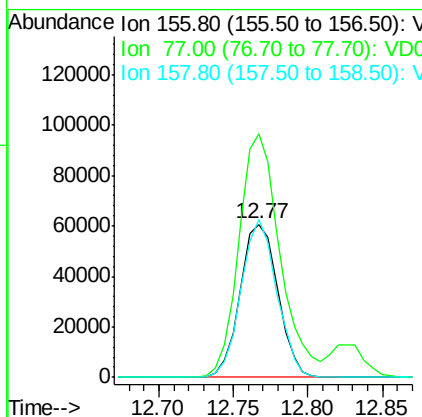
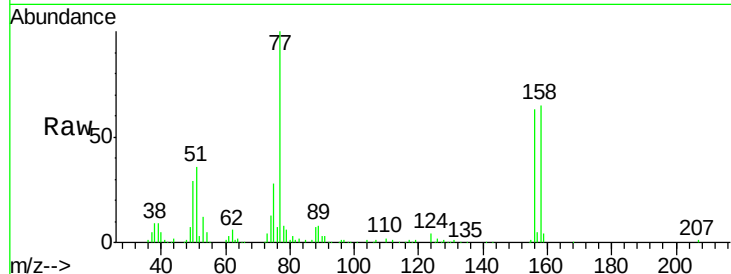
ClientSampleId :

VD0219SBSD01

Tot Ion:	156	Resp:	106226
Ion Ratio	Lower	Upper	
156	100		
77	173.7	86.6	259.7
158	97.9	48.1	144.3

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#78

n-propylbenzene

Concen: 21.794 ug/l

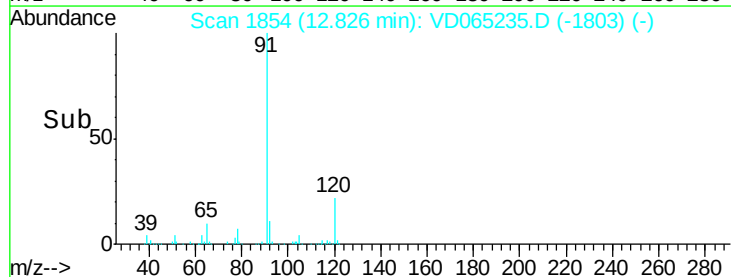
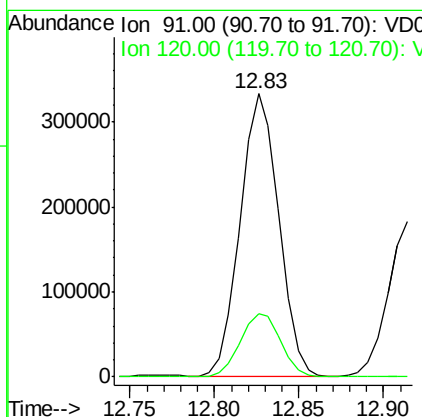
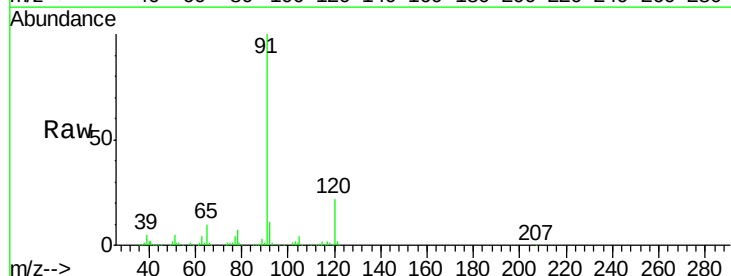
RT: 12.83 min Scan# 1854

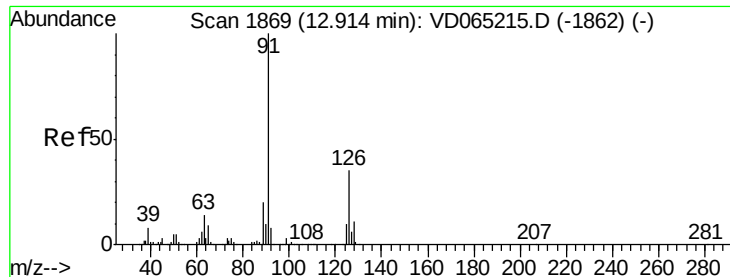
Delta R.T. 0.00 min

Lab File: VD065235.D

Acq: 19 Feb 2020 13:29

Tgt Ion:	91	Resp:	528115
Ion Ratio	Lower	Upper	
91	100		
120	23.3	11.5	34.5





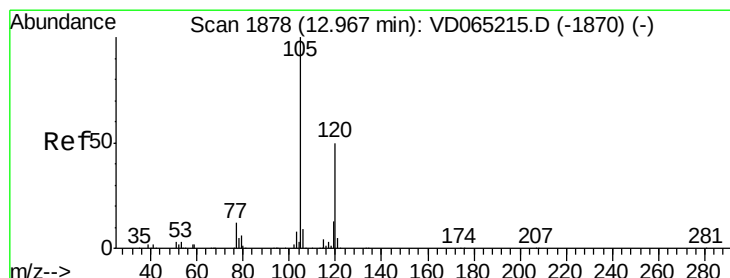
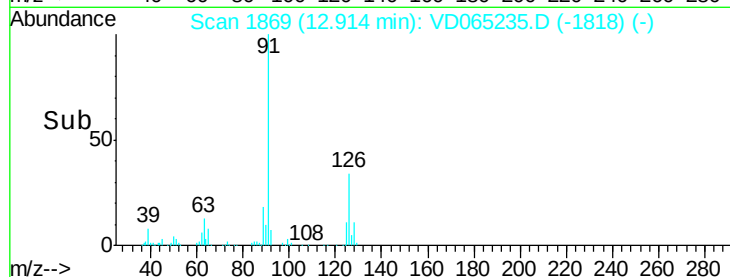
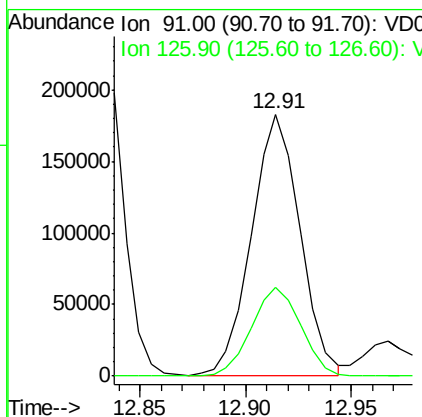
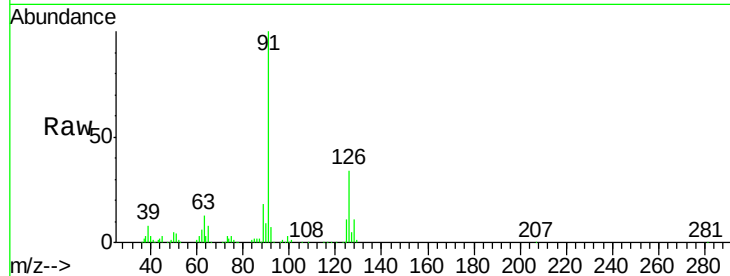
#79
2-Chlorotoluene
Concen: 21.463 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD065235.D
Acq: 19 Feb 2020 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD0219SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	34.8	17.5	52.6

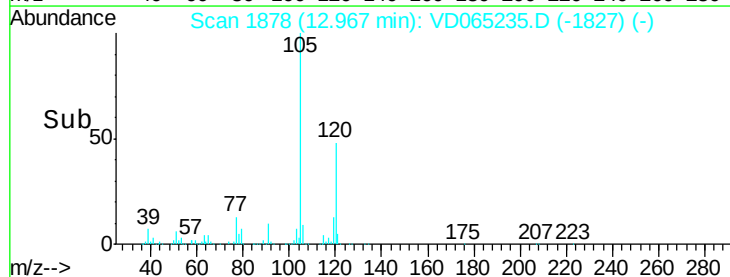
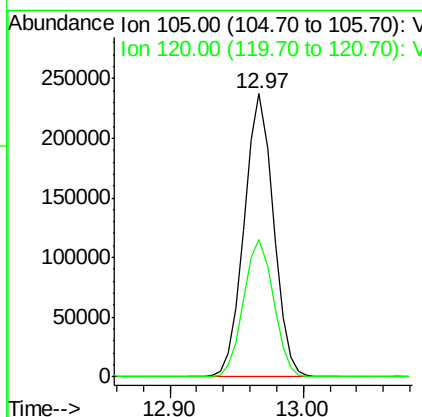
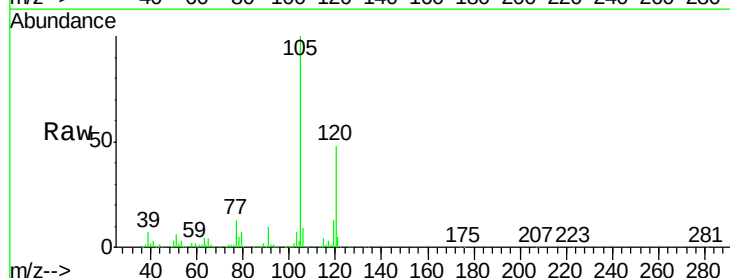
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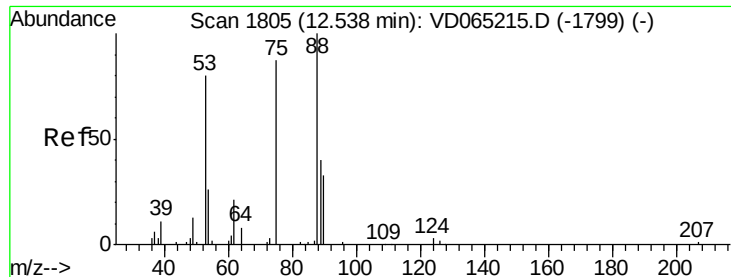
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 21.569 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.00 min
Lab File: VD065235.D
Acq: 19 Feb 2020 13:29

Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.9	25.4	76.4





#81

trans-1,4-Dichloro-2-butene

Concen: 20.496 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VD065235.D

Acq: 19 Feb 2020 13:29

Instrument :

MSVOA_D

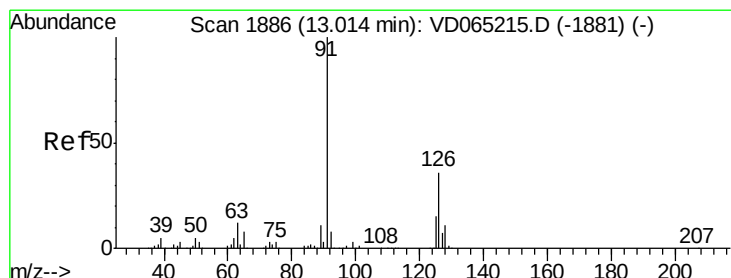
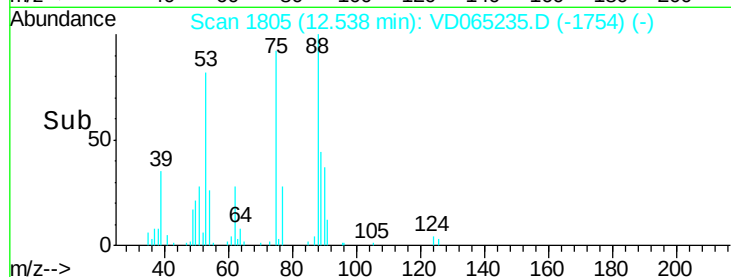
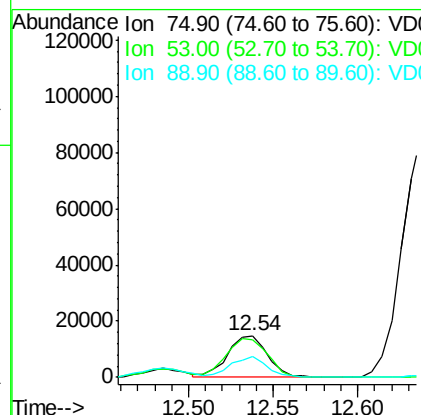
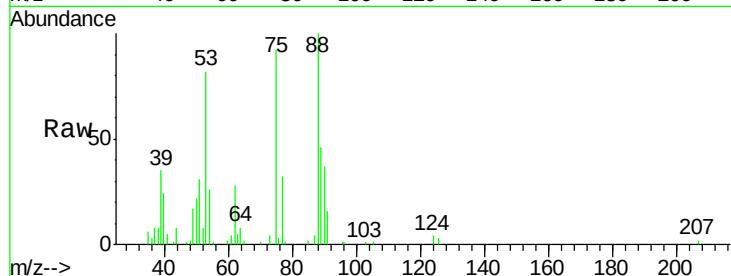
ClientSampleId :

VD0219SBS01

Tot Ion:	75	Resp:	24599
Ion	Ratio	Lower	Upper
75	100		
53	97.5	77.6	116.4
89	45.1	37.2	55.8

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#82

4-Chlorotoluene

Concen: 21.188 ug/l

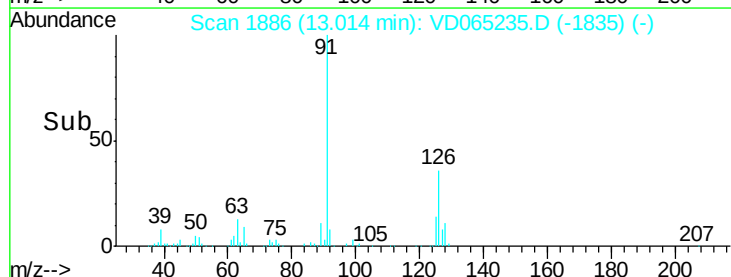
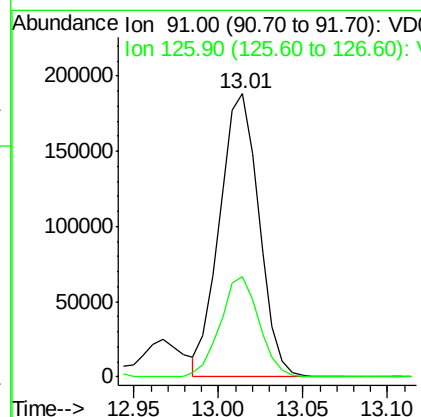
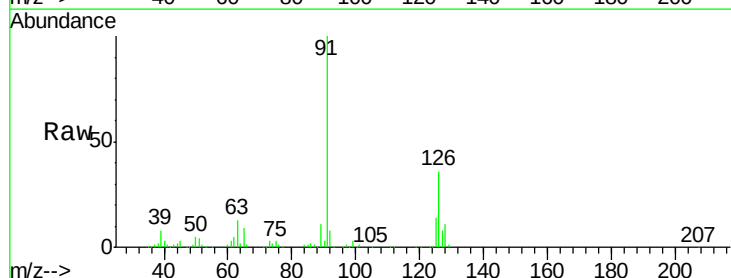
RT: 13.01 min Scan# 1886

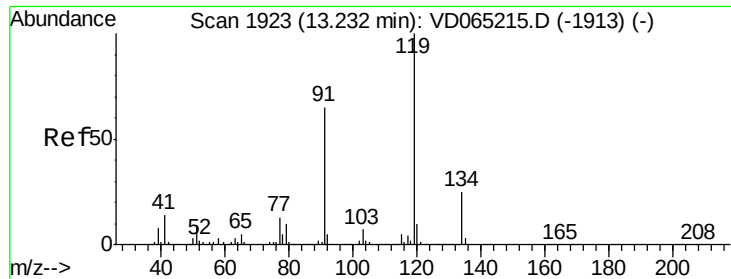
Delta R.T. 0.00 min

Lab File: VD065235.D

Acq: 19 Feb 2020 13:29

Tgt Ion:	91	Resp:	305350
Ion	Ratio	Lower	Upper
91	100		
126	35.1	17.4	52.3





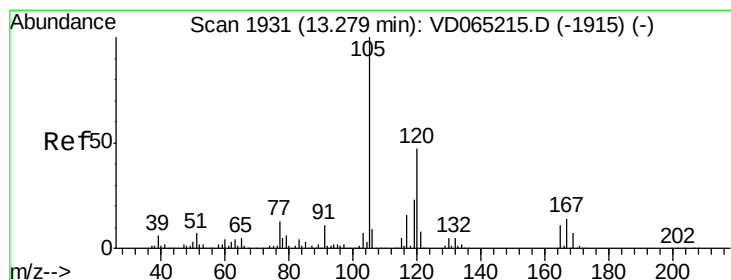
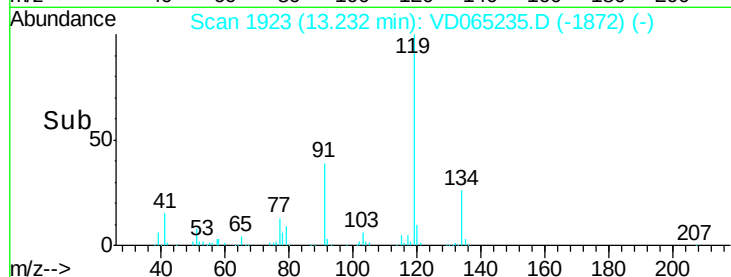
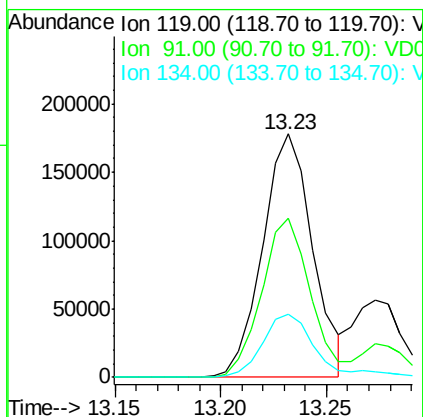
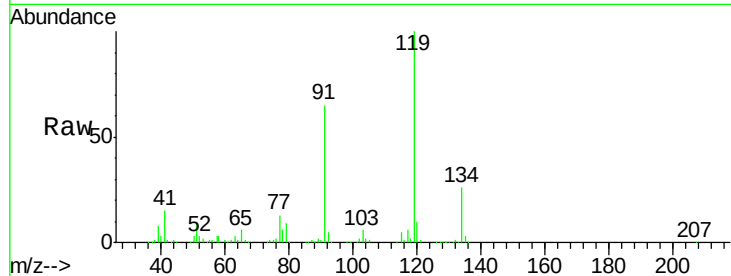
#83
tert-Butylbenzene
Concen: 21.090 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065235.D
Acq: 19 Feb 2020 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD0219SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	293568		
91	64.6		31.9	95.5
134	28.0		13.8	41.3

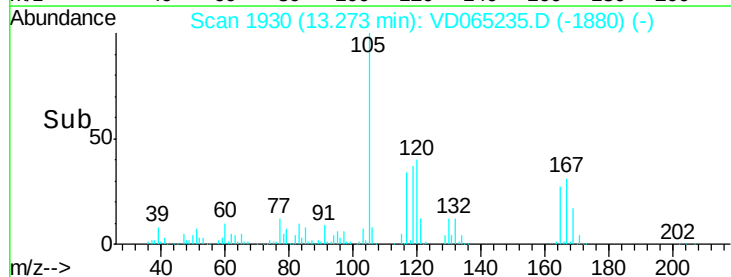
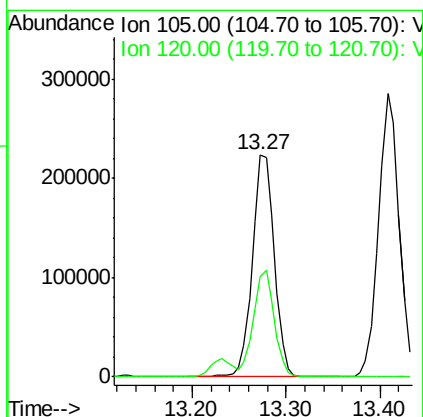
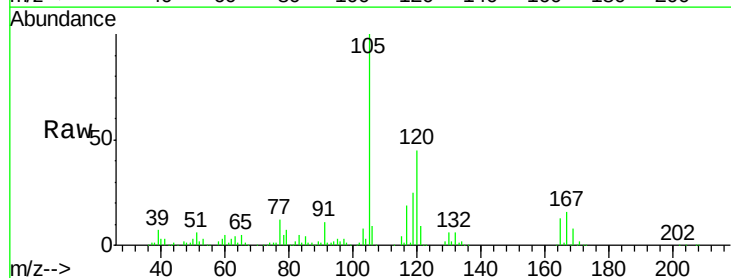
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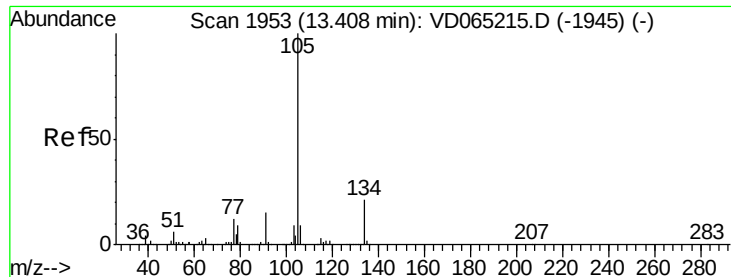
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#84
1,2,4-Trimethylbenzene
Concen: 21.733 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.01 min
Lab File: VD065235.D
Acq: 19 Feb 2020 13:29

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	361270		
120	45.7		23.3	69.9





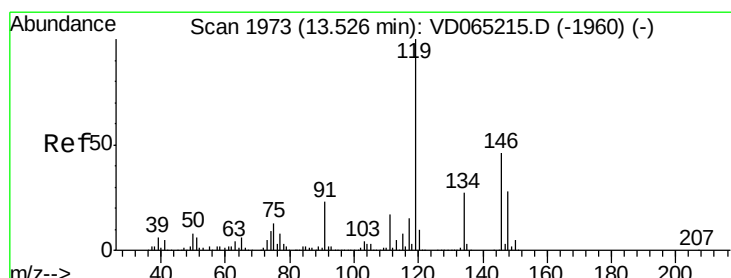
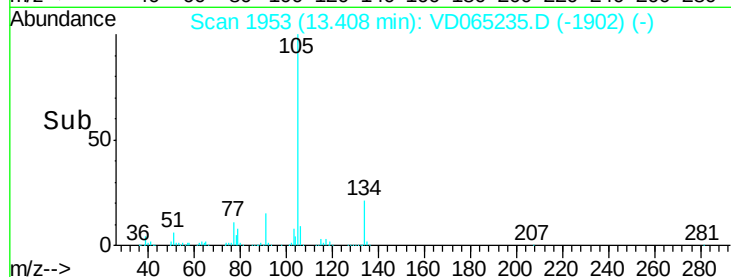
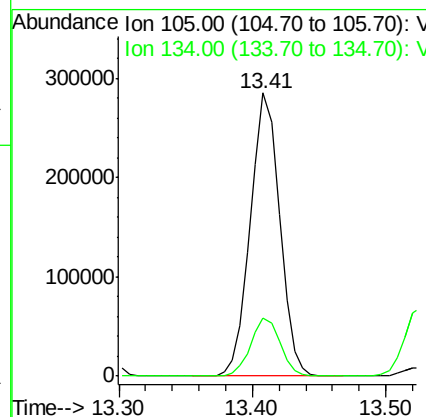
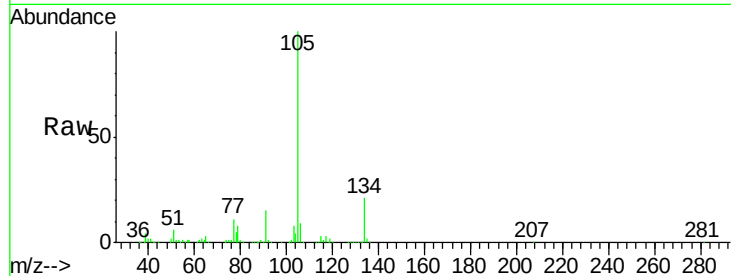
#85
 sec-Butylbenzene
 Concen: 21.549 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD065235.D
 Acq: 19 Feb 2020 13:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0219SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.6	10.3	30.9

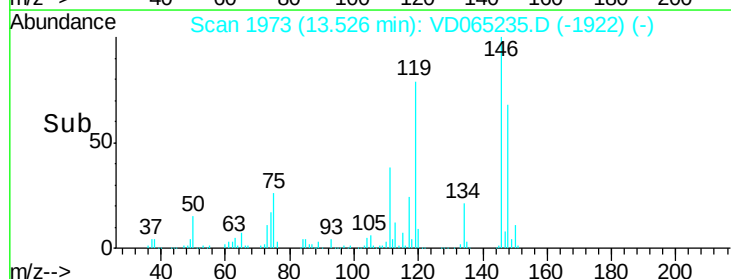
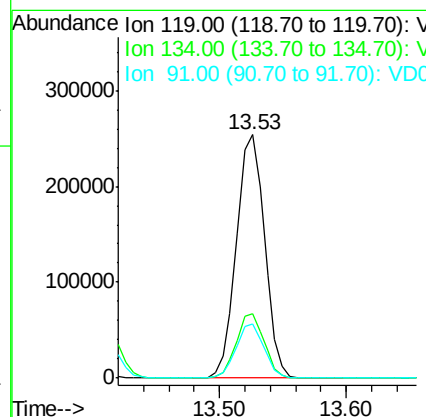
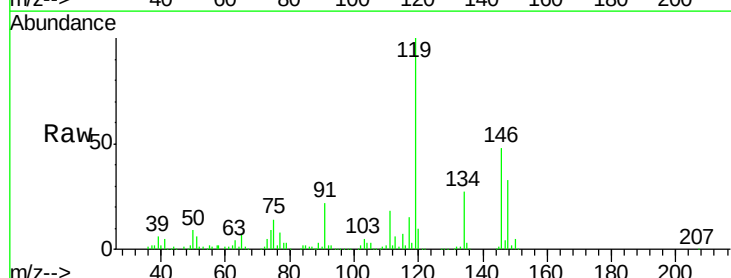
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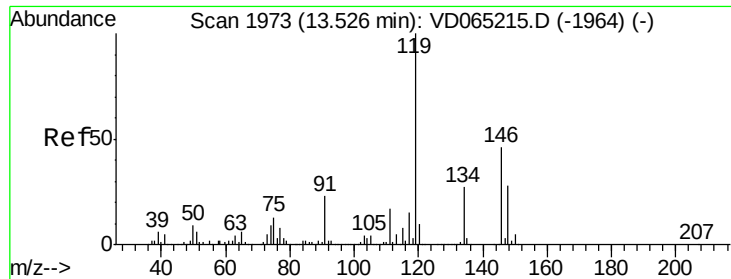
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#86
 p-Isopropyltoluene
 Concen: 21.187 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065235.D
 Acq: 19 Feb 2020 13:29

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.3	39.8
91	22.3	11.1	33.1





#87

1,3-Dichlorobenzene

Concen: 21.054 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065235.D

Acq: 19 Feb 2020 13:29

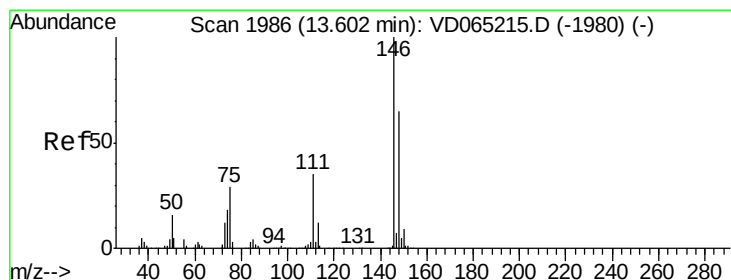
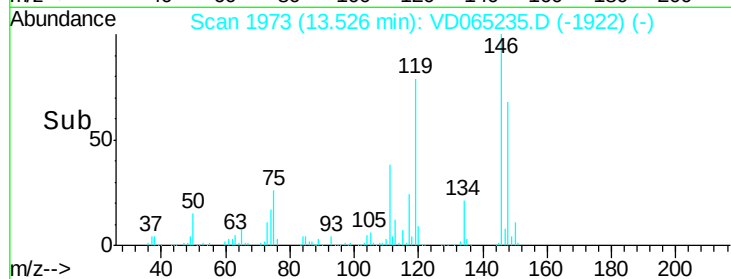
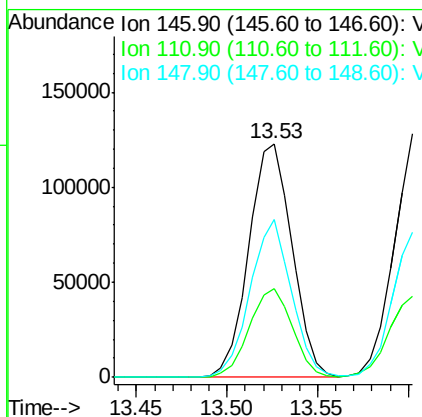
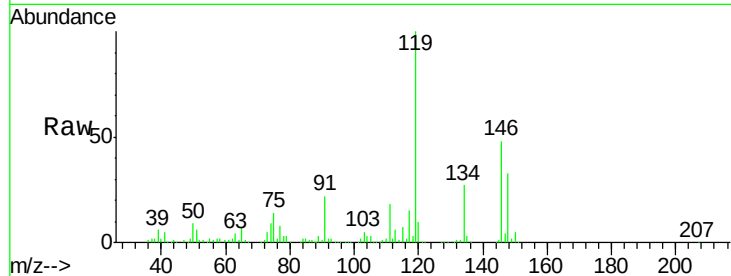
Instrument :
MSVOA_D

ClientSampleId :
VD0219SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	203806		
111	37.9	18.6	55.8	
148	64.4	31.4	94.3	

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#88

1,4-Dichlorobenzene

Concen: 20.792 ug/l

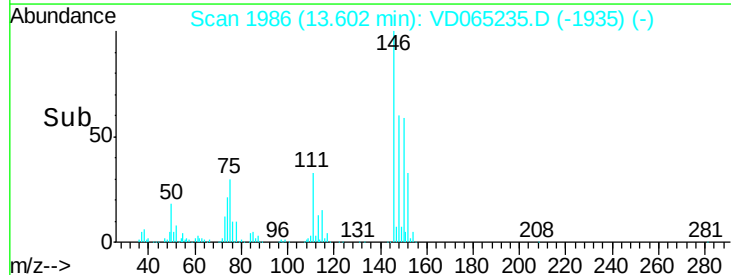
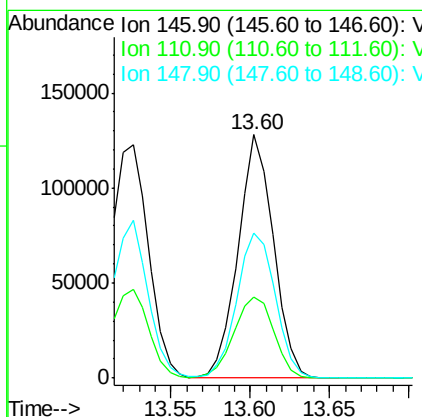
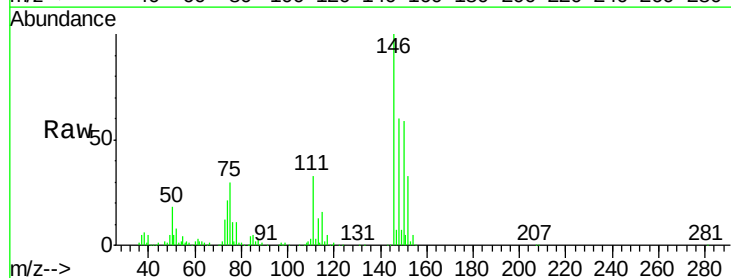
RT: 13.60 min Scan# 1986

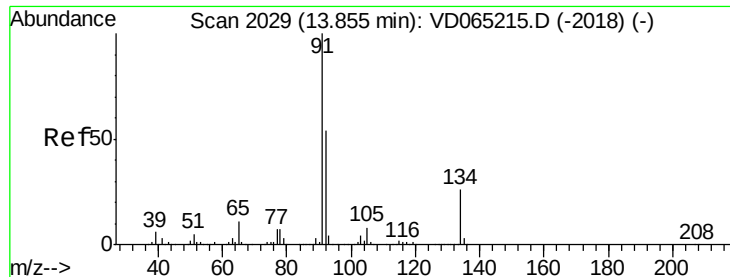
Delta R.T. 0.00 min

Lab File: VD065235.D

Acq: 19 Feb 2020 13:29

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	198641		
111	37.8	18.4	55.2	
148	64.9	32.1	96.5	





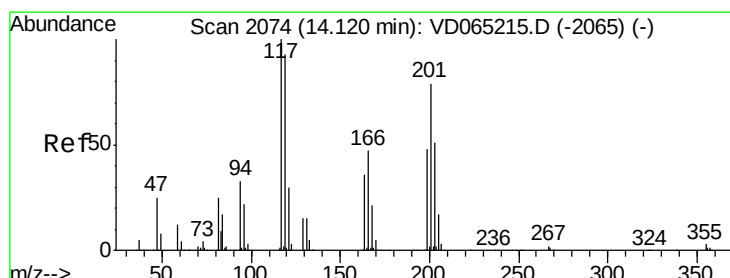
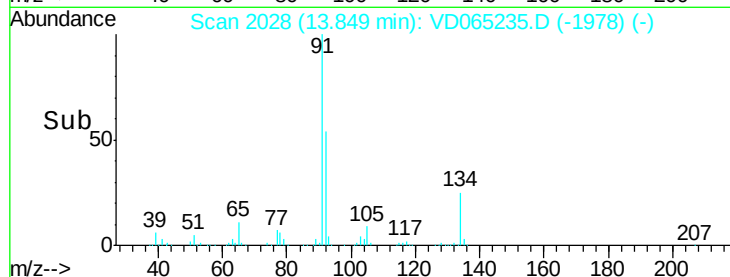
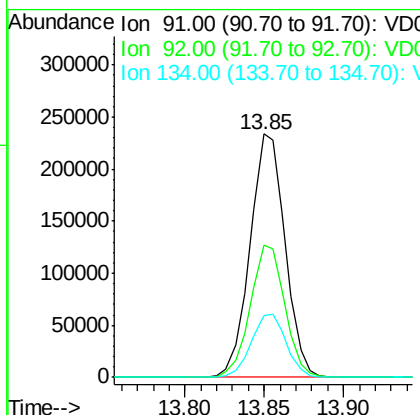
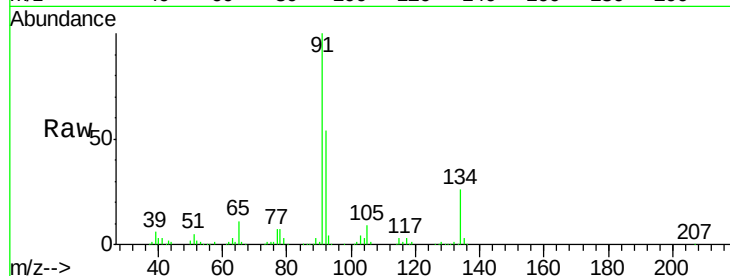
#89
n-Butylbenzene
Concen: 21.226 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD065235.D
Acq: 19 Feb 2020 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD0219SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.7	27.0	80.8
134	26.0	13.5	40.4

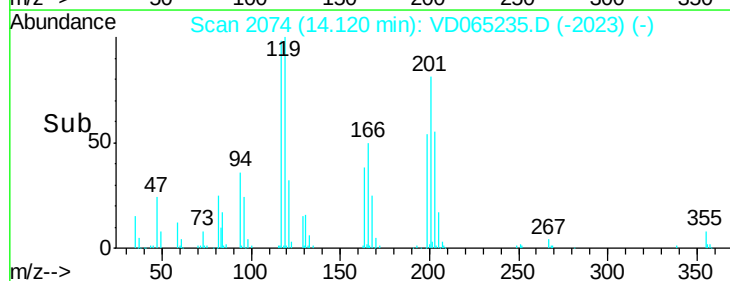
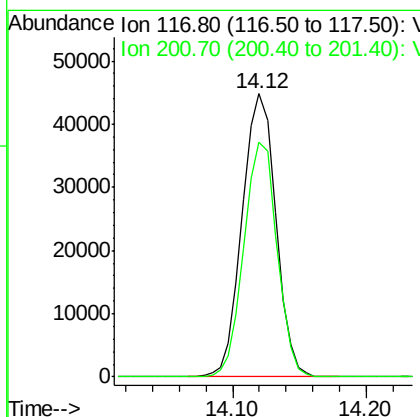
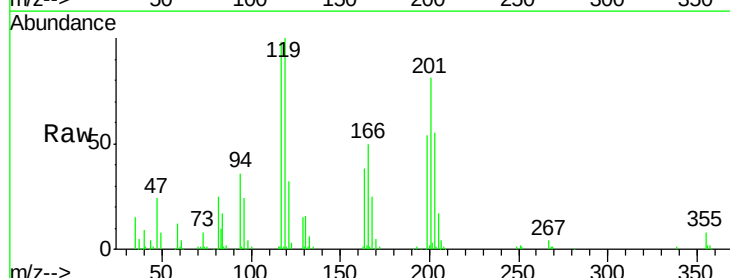
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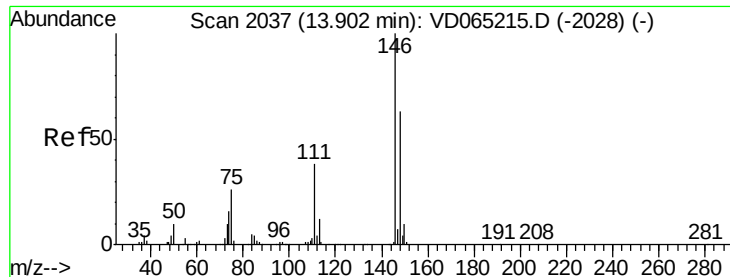
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#90
Hexachloroethane
Concen: 20.981 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065235.D
Acq: 19 Feb 2020 13:29

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.4	41.3	124.1





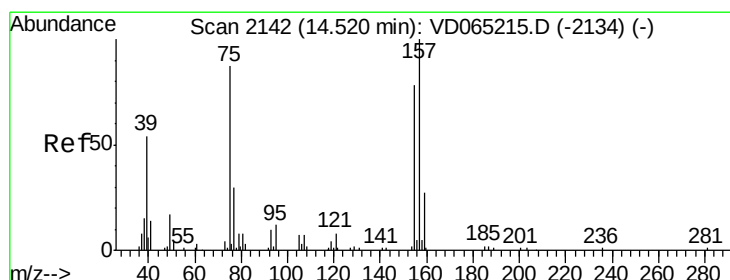
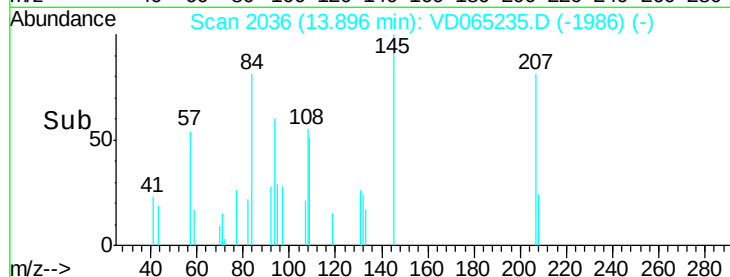
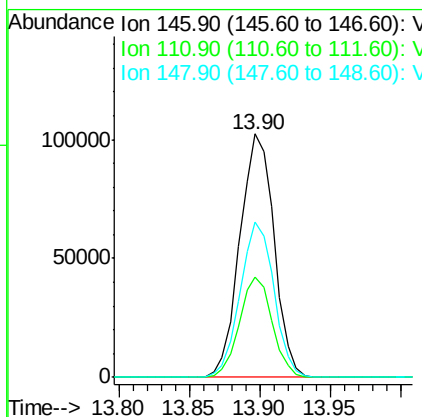
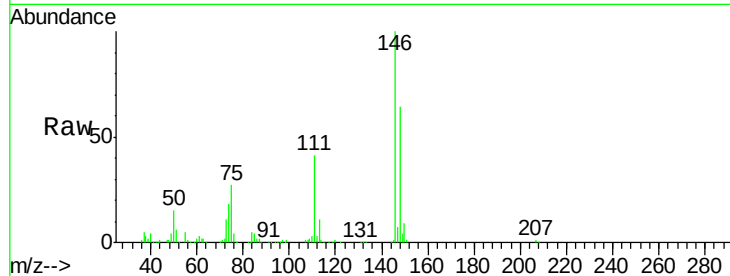
#91
 1,2-Dichlorobenzene
 Concen: 20.916 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065235.D
 Acq: 19 Feb 2020 13:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0219SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.7	59.0
148	63.2	32.0	96.2

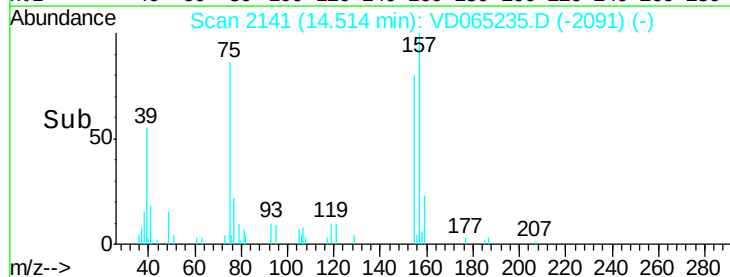
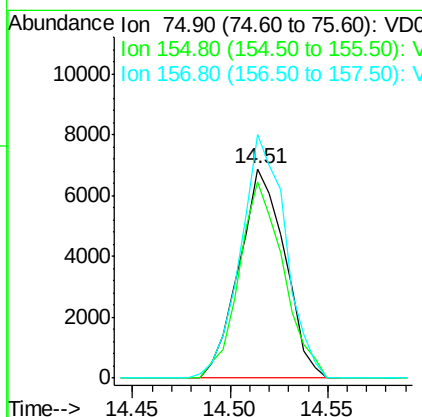
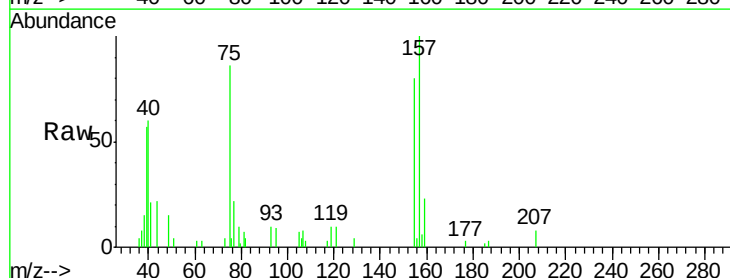
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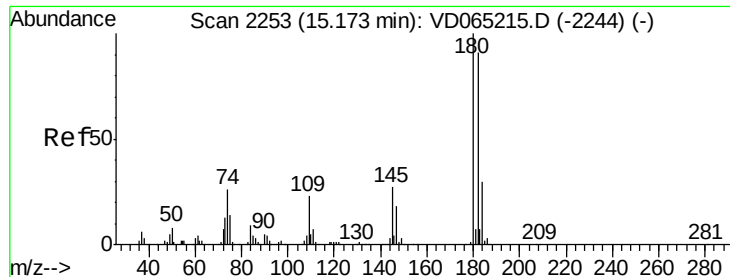
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.885 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD065235.D
 Acq: 19 Feb 2020 13:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.2	42.3	126.9
157	115.1	56.7	170.1





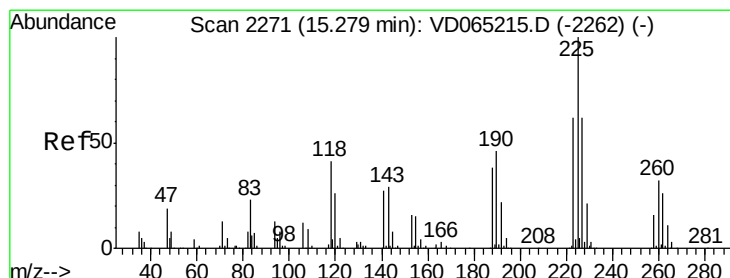
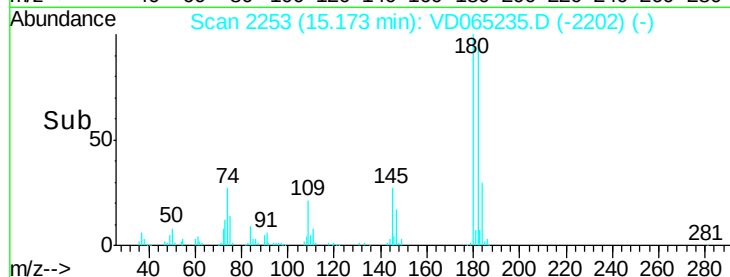
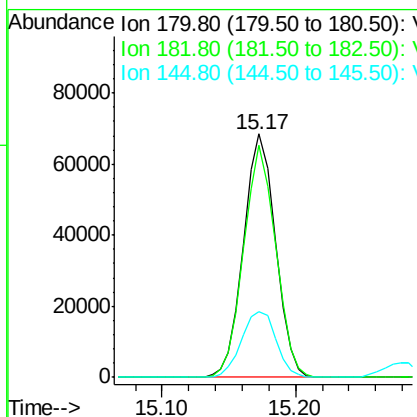
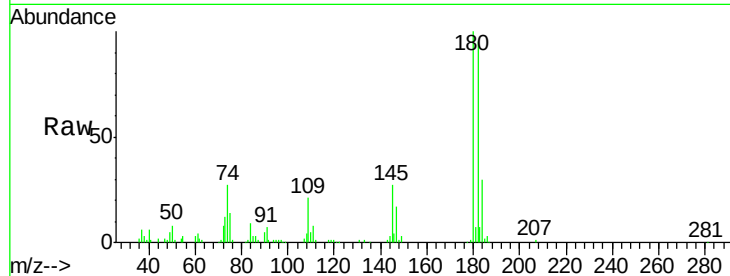
#93
 1,2,4-Trichlorobenzene
 Concen: 20.875 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD065235.D
 Acq: 19 Feb 2020 13:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0219SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	113488		
182	95.3	46.9	140.6	
145	29.3	13.9	41.7	

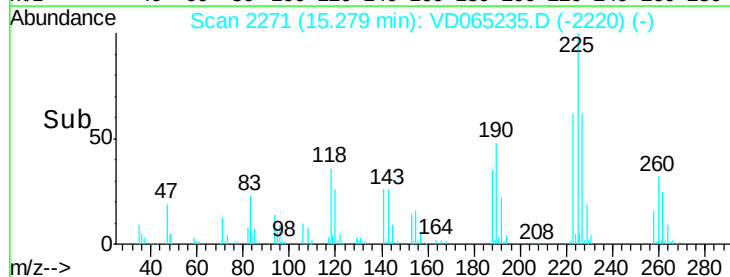
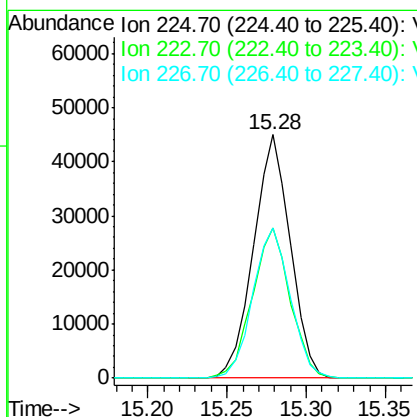
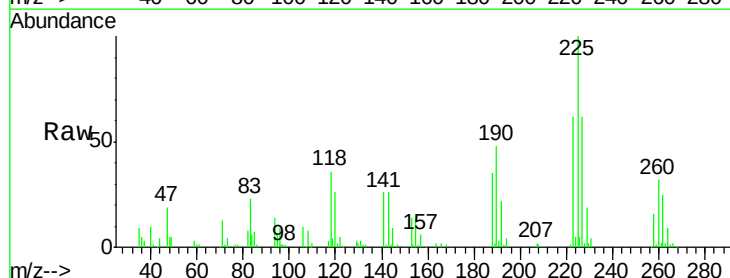
Manual Integrations
 APPROVED

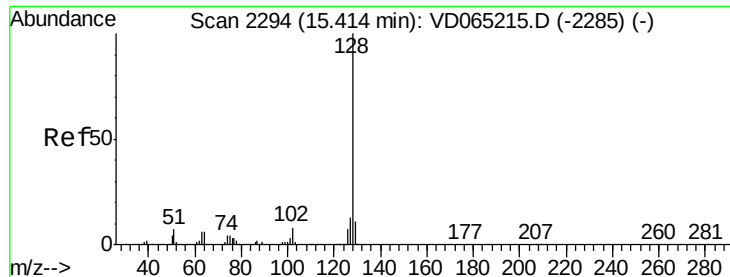
MMDadoda
 2/21/2020 5:25:42 PM



#94
 Hexachlorobutadiene
 Concen: 20.826 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065235.D
 Acq: 19 Feb 2020 13:29

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	72631		
223	63.3	31.4	94.2	
227	62.8	31.7	95.1	





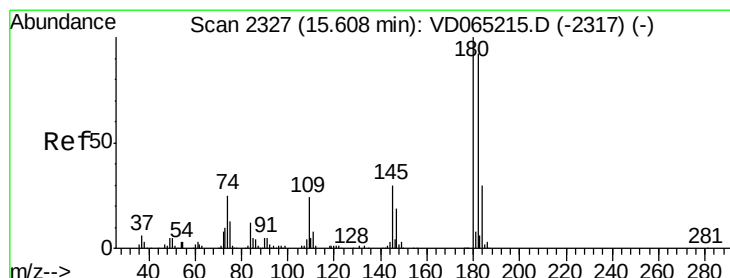
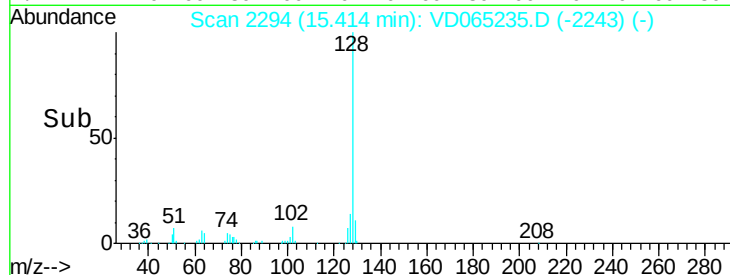
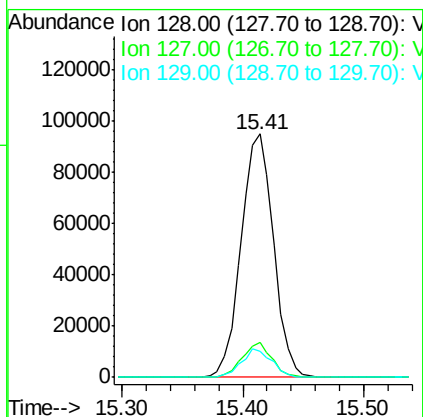
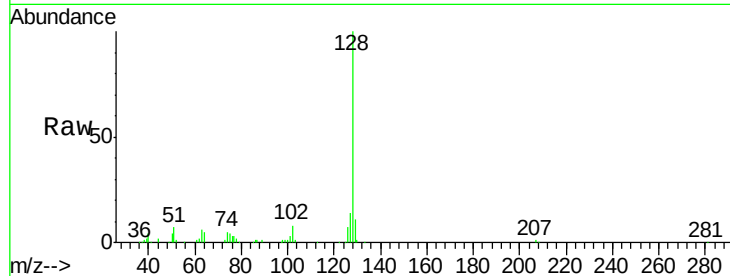
#95
Naphthalene
Concen: 20.073 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065235.D
Acq: 19 Feb 2020 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD0219SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.3	15.5
129	11.0	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
2/21/2020 5:25:42 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.985 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065235.D
Acq: 19 Feb 2020 13:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	46.9	140.6
145	30.6	15.4	46.1

