

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021920\
 Data File : VD065245.D
 Acq On : 19 Feb 2020 18:16
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/21/2020 5:25:46 PM

Quant Time: Feb 20 04:54:51 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	7.98	168	524544	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	774060	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	721346	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	349856	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	233487	49.48	ug/l	0.00
Spiked Amount 50.000			Recovery =	98.96%		
35) Dibromofluoromethane	7.92	113	239225	50.69	ug/l	0.00
Spiked Amount 50.000			Recovery =	101.38%		
50) Toluene-d8	10.34	98	928266	51.45	ug/l	0.00
Spiked Amount 50.000			Recovery =	102.90%		
62) 4-Bromofluorobenzene	12.64	95	302592	52.94	ug/l	0.00
Spiked Amount 50.000			Recovery =	105.88%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	221977	50.455	ug/l	96
3) Chloromethane	2.21	50	269935	48.204	ug/l	100
4) Vinyl Chloride	2.35	62	261026	45.840	ug/l	98
5) Bromomethane	2.74	94	145880	42.371	ug/l	98
6) Chloroethane	2.91	64	160577	46.198	ug/l	98
7) Trichlorofluoromethane	3.26	101	367579	45.088	ug/l	98
8) Diethyl Ether	3.70	74	116754	47.445	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.08	101	237116	46.057	ug/l	99
10) Methyl Iodide	4.29	142	324884	60.778	ug/l	99
11) Tert butyl alcohol	5.26	59	64571	228.991	ug/l	100
12) 1,1-Dichloroethene	4.05	96	230979	47.494	ug/l	98
13) Acrolein	3.93	56	100622	296.792	ug/l	98
14) Allyl chloride	4.71	41	381641	48.324	ug/l	98
15) Acrylonitrile	5.43	53	263749	242.083	ug/l	99
16) Acetone	4.17	43	246709	213.876	ug/l	94
17) Carbon Disulfide	4.40	76	751074	46.064	ug/l	100
18) Methyl Acetate	4.72	43	127260	49.053	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	506944	49.986	ug/l	98
20) Methylene Chloride	4.96	84	265146	51.799	ug/l	99
21) trans-1,2-Dichloroethene	5.46	96	265146	47.958	ug/l	95
22) Diisopropyl ether	6.37	45	762899	50.109	ug/l	97
23) Vinyl Acetate	6.31	43	2138815	254.823	ug/l	99
24) 1,1-Dichloroethane	6.26	63	445783	47.206	ug/l	98
25) 2-Butanone	7.22	43	336819	230.785	ug/l	99
26) 2,2-Dichloropropane	7.21	77	363483	44.363	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	287917	49.164	ug/l	97
28) Bromochloromethane	7.55	49	178414	50.925	ug/l	98
29) Tetrahydrofuran	7.57	42	214573	250.926	ug/l	99
30) Chloroform	7.71	83	447016	46.986	ug/l	100
31) Cyclohexane	7.98	56	417728	45.022	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	395092	46.415	ug/l	99
36) 1,1-Dichloropropene	8.11	75	358981	47.663	ug/l	99
37) Ethyl Acetate	7.30	43	153868	48.869	ug/l	97
38) Carbon Tetrachloride	8.10	117	354946	46.295	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	438264	49.496	ug/l	98
40) Benzene	8.36	78	1037908	48.822	ug/l	99
41) Methacrylonitrile	7.53	41	96322	52.983	ug/l	91
42) 1,2-Dichloroethane	8.43	62	280767	48.041	ug/l	100
43) Isopropyl Acetate	8.46	43	275040	48.037	ug/l	99
44) Trichloroethene	9.11	130	286265	48.578	ug/l	98
45) 1,2-Dichloropropane	9.39	63	254425	48.130	ug/l	98
46) Dibromomethane	9.48	93	134043	49.283	ug/l	98
47) Bromodichloromethane	9.67	83	343778	47.962	ug/l	97
48) Methyl methacrylate	9.46	41	134655	50.880	ug/l	98
49) 1,4-Dioxane	9.47	88	32973	1033.648	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	729818	250.961	ug/l	100
52) Toluene	10.41	92	662877	50.375	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	325724	49.026	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	395140	49.253	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	184485	48.191	ug/l	97
56) Ethyl methacrylate	10.67	69	230964	52.271	ug/l	100
57) 1,3-Dichloropropane	10.95	76	323108	49.591	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	320370	229.977	ug/l	100
59) 2-Hexanone	10.99	43	509286	244.645	ug/l	96
60) Dibromochloromethane	11.14	129	237202	48.411	ug/l	100
61) 1,2-Dibromoethane	11.25	107	179249	49.454	ug/l	100
64) Tetrachloroethene	10.88	164	243643	47.623	ug/l	94
65) Chlorobenzene	11.67	112	690318	47.688	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	255823	47.358	ug/l	98
67) Ethyl Benzene	11.75	91	1236918	48.789	ug/l	100
68) m/p-Xylenes	11.86	106	959672	98.939	ug/l	98
69) o-Xylene	12.18	106	429478	49.978	ug/l	99
70) Styrene	12.20	104	775977	50.860	ug/l	100
71) Bromoform	12.37	173	139977	46.697	ug/l #	100
73) Isopropylbenzene	12.48	105	1165514	50.320	ug/l	100
74) N-amyl acetate	12.30	43	251327	48.832	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	200819	48.040	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	126682m	42.558	ug/l	
77) Bromobenzene	12.77	156	285549	49.647	ug/l	99
78) n-propylbenzene	12.83	91	1391684	49.999	ug/l	99
79) 2-Chlorotoluene	12.91	91	773928	49.633	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	974074	51.060	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	63861	46.322	ug/l	99
82) 4-Chlorotoluene	13.01	91	824949	49.833	ug/l	100
83) tert-Butylbenzene	13.23	119	829746	51.895	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	983685	51.517	ug/l	99
85) sec-Butylbenzene	13.41	105	1144471	49.675	ug/l	100
86) p-Isopropyltoluene	13.53	119	1072923	50.924	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	543879	48.914	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	537266	48.958	ug/l	100
89) n-Butylbenzene	13.85	91	987232	50.849	ug/l	99
90) Hexachloroethane	14.12	117	198335	46.361	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	471654	49.402	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	29664	46.048	ug/l	89

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93) 1,2,4-Trichlorobenzene	15.17	180	327439	52.433	ug/l	98
94) Hexachlorobutadiene	15.28	225	202926	50.655	ug/l	99
95) Naphthalene	15.41	128	549652	54.141	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	286731	52.571	ug/l	99

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

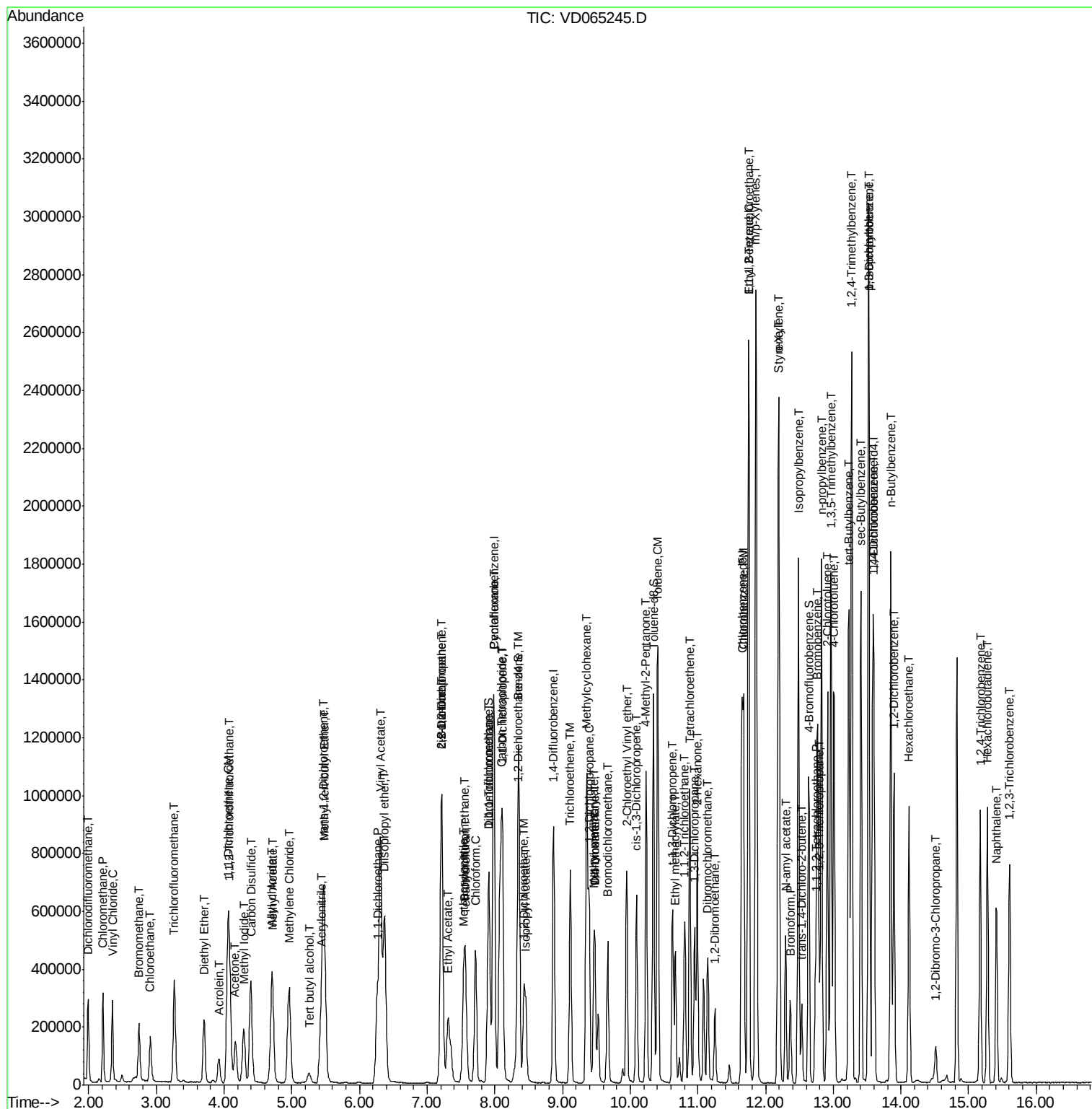
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD021920\
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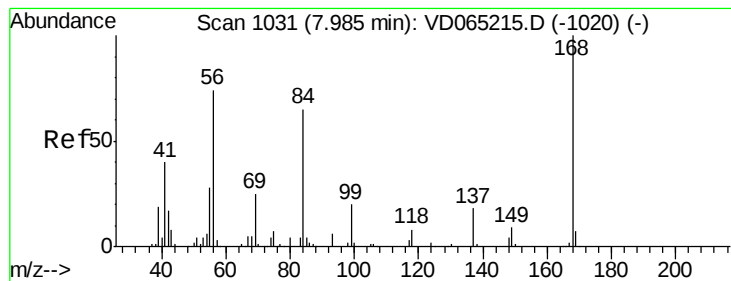
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065245.D

Acq: 19 Feb 2020 18:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 524544

Ion Ratio Lower Upper

168 100

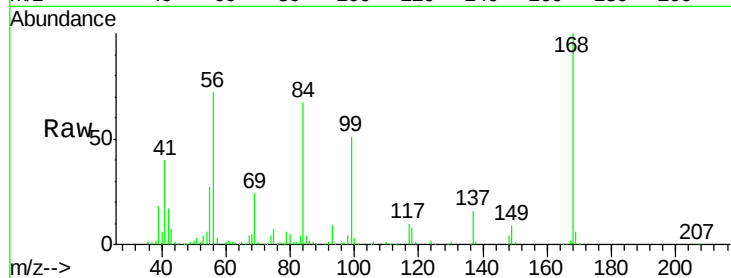
99 50.5 41.4 62.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

150000

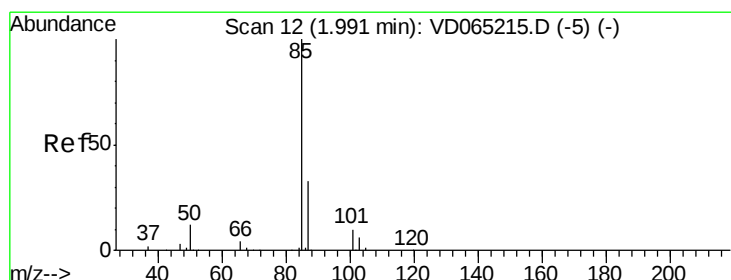
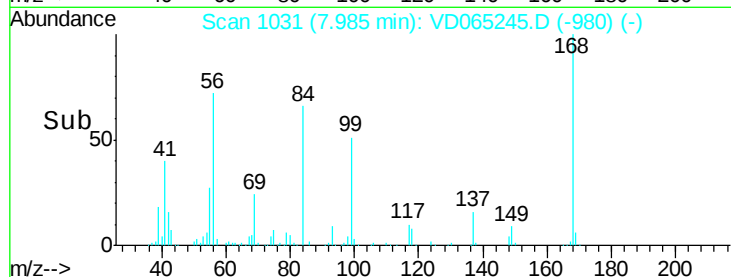
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 50.455 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065245.D

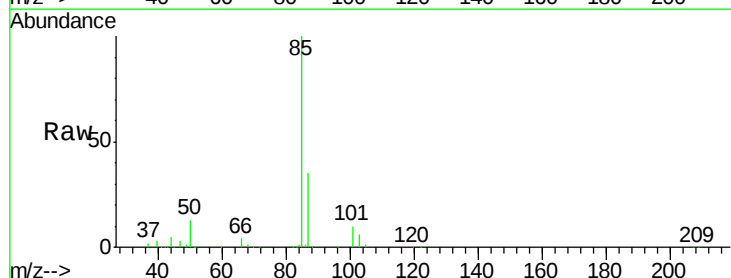
Acq: 19 Feb 2020 18:16

Tgt Ion: 85 Resp: 221977

Ion Ratio Lower Upper

85 100

87 35.0 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

150000

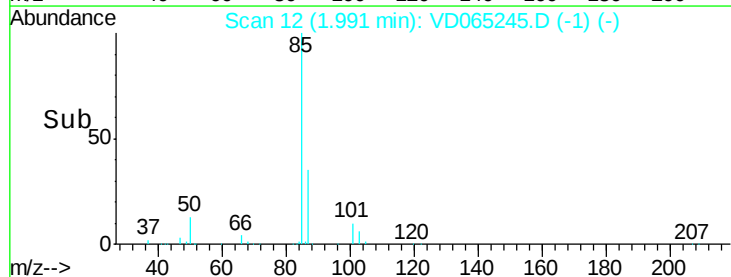
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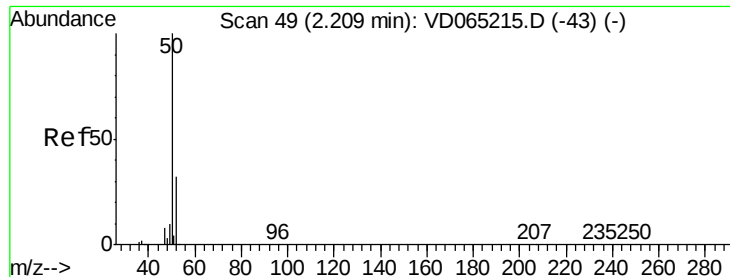
50000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 48.204 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065245.D

Acq: 19 Feb 2020 18:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 269935

Ion Ratio Lower Upper

50 100

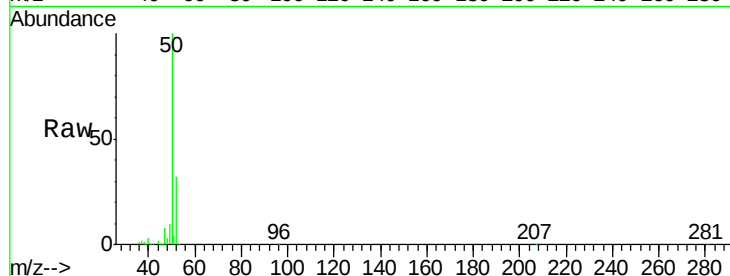
52 31.8 25.5 38.3

Manual Integrations

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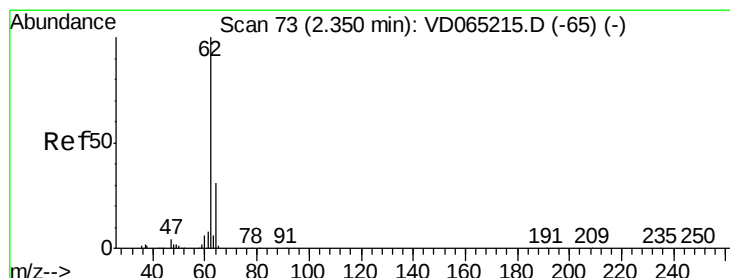
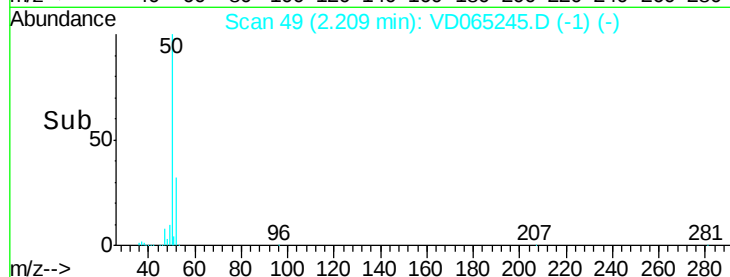
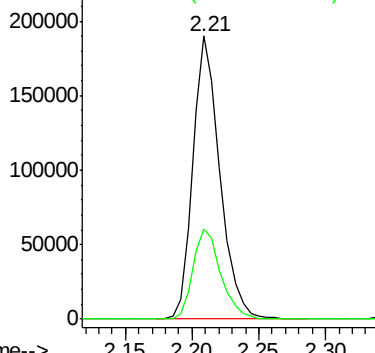
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 45.840 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065245.D

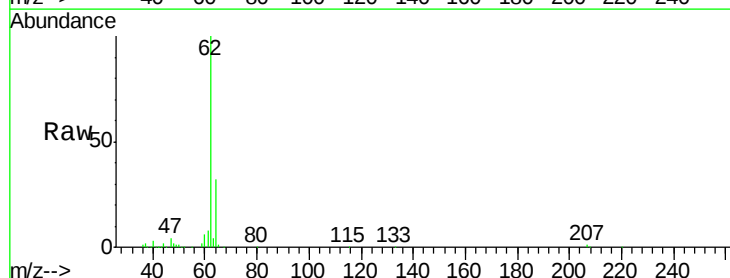
Acq: 19 Feb 2020 18:16

Tgt Ion: 62 Resp: 261026

Ion Ratio Lower Upper

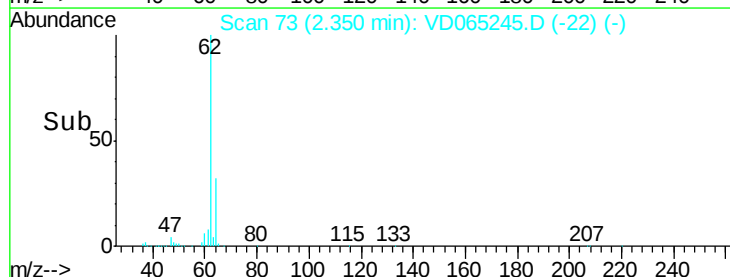
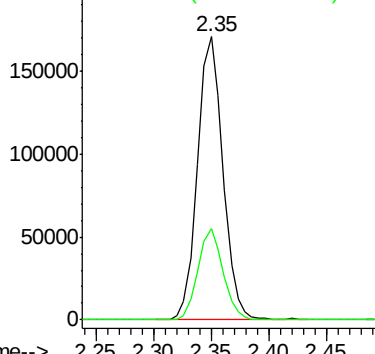
62 100

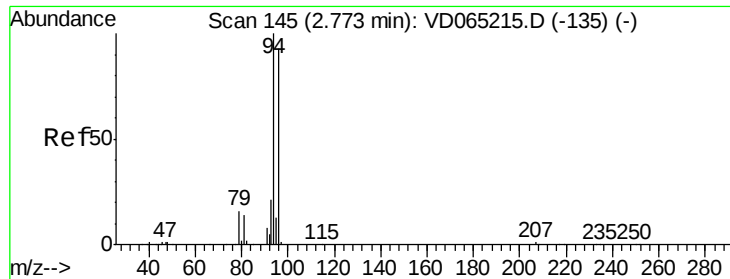
64 32.4 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 42.371 ug/l

RT: 2.74 min Scan# 140

Delta R.T. -0.03 min

Lab File: VD065245.D

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Tot Ion: 94 Resp: 145880

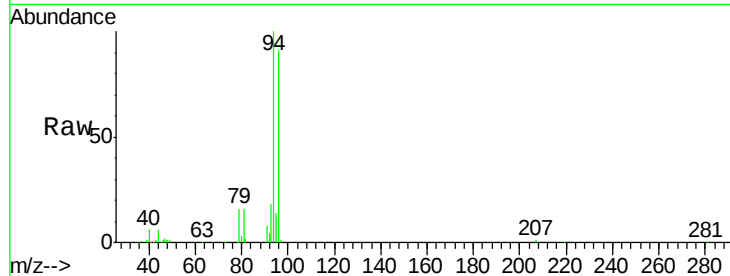
Ion Ratio Lower Upper

94 100

96 91.1 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

2.74

80000

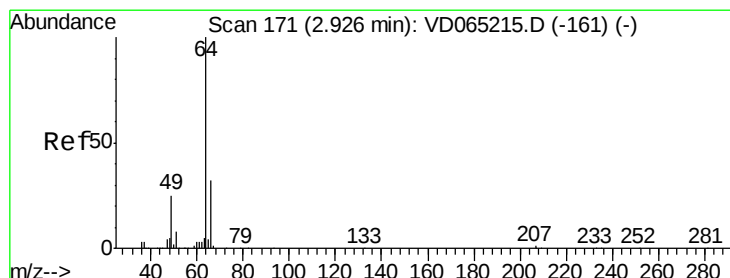
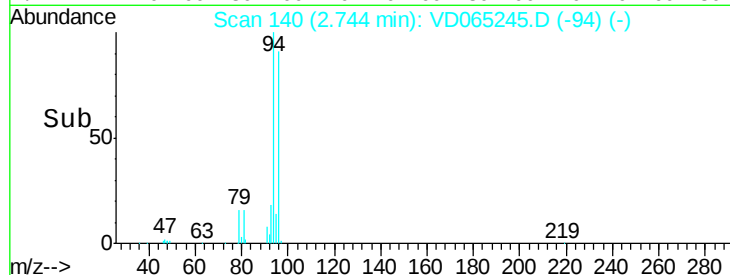
60000

40000

20000

0

Time--> 2.60 2.70 2.80



#6

Chloroethane

Concen: 46.198 ug/l

RT: 2.91 min Scan# 168

Delta R.T. -0.02 min

Lab File: VD065245.D

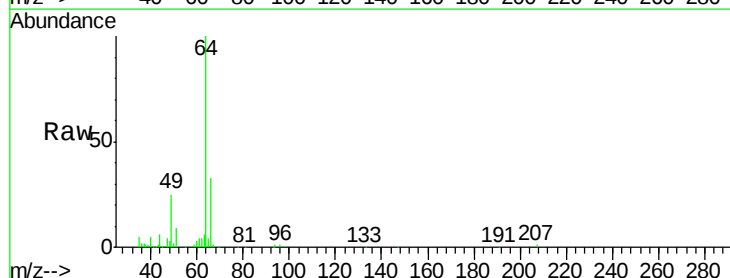
Acq: 19 Feb 2020 18:16

Tgt Ion: 64 Resp: 160577

Ion Ratio Lower Upper

64 100

66 33.2 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.91

80000

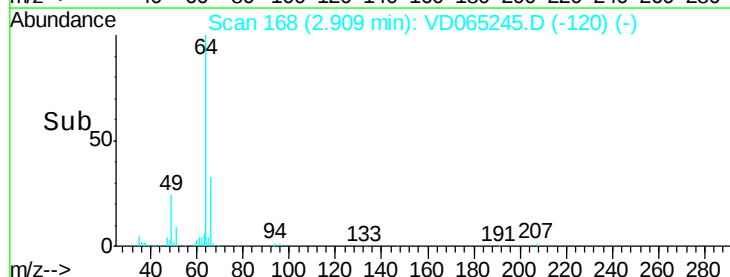
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40000

20000

0

Time--> 2.80 2.90 3.00





#7

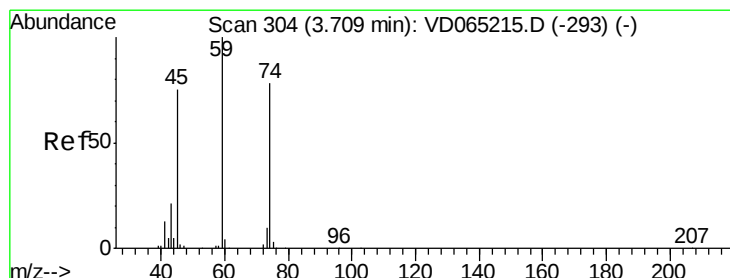
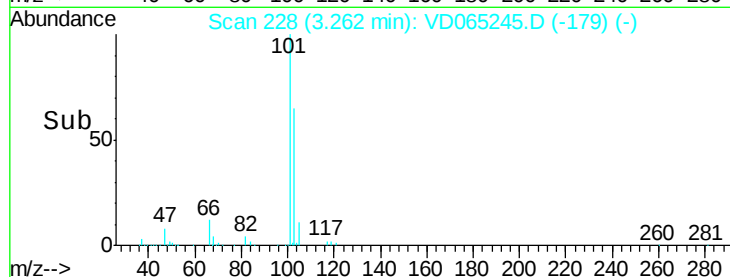
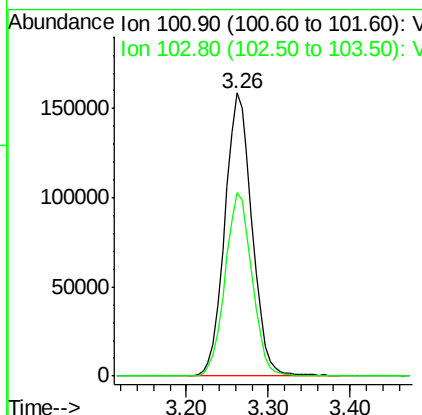
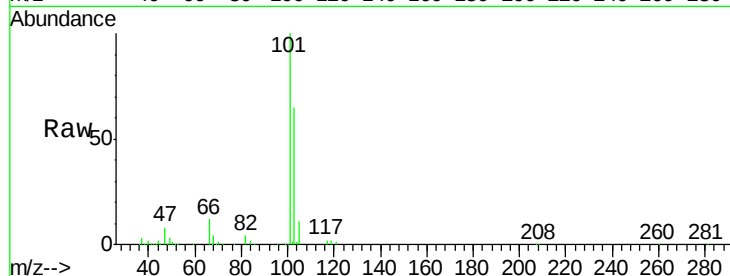
Trichlorofluoromethane
 Concen: 45.088 ug/l
 RT: 3.26 min Scan# 228
 Delta R.T. -0.01 min
 Lab File: VD065245.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	50.7	76.1

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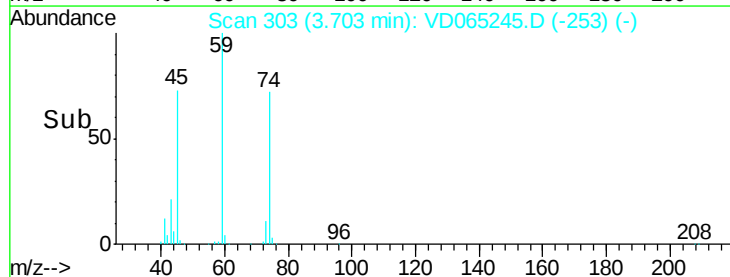
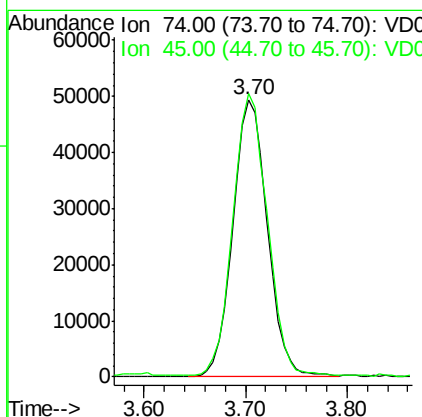
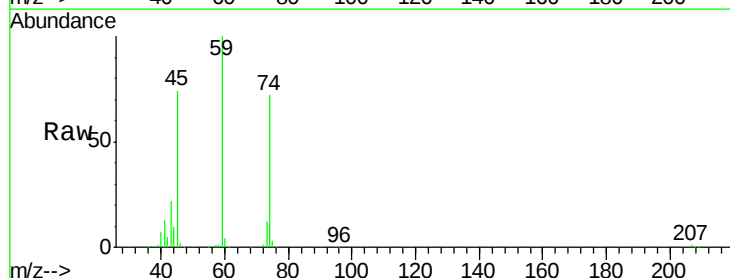
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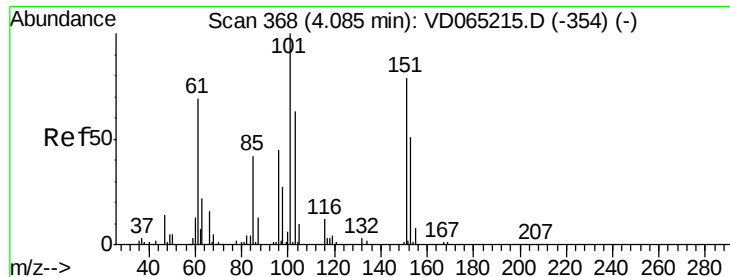


#8

Diethyl Ether
 Concen: 47.445 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD065245.D
 Acq: 19 Feb 2020 18:16

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.7	50.0	149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.057 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD065245.D

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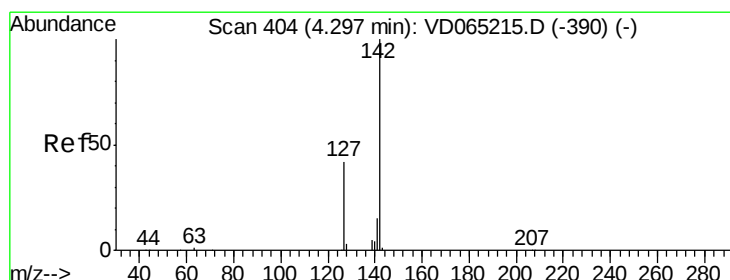
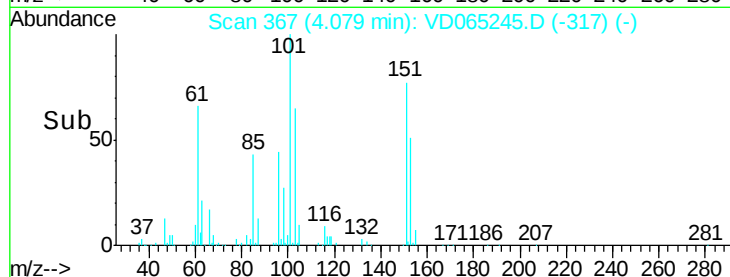
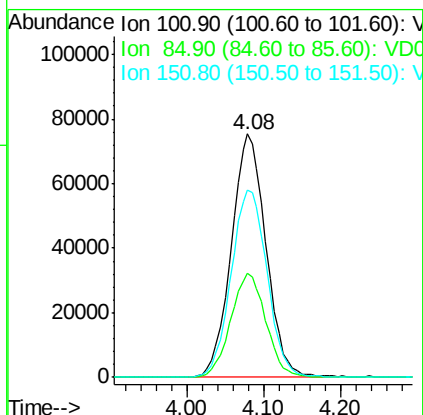
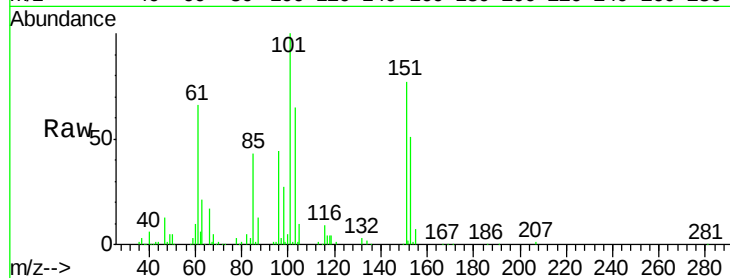
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	237116
Ion Ratio	Lower	Upper	
101	100		
85	43.2	34.2	51.2
151	80.1	63.5	95.3

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#10

Methyl Iodide

Concen: 60.778 ug/l

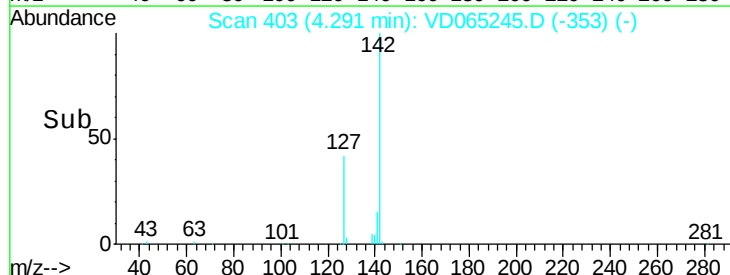
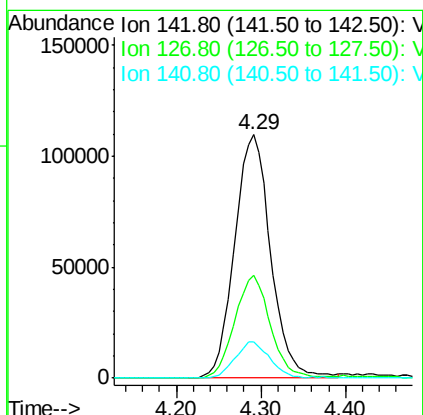
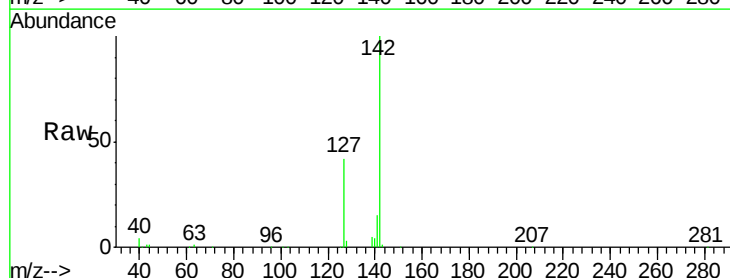
RT: 4.29 min Scan# 403

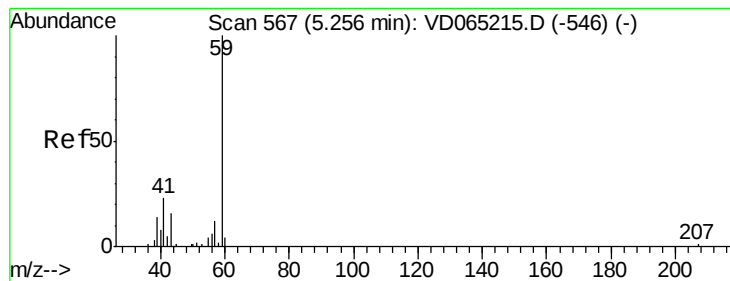
Delta R.T. -0.01 min

Lab File: VD065245.D

Acq: 19 Feb 2020 18:16

Tgt Ion:	142	Resp:	324884
Ion Ratio	Lower	Upper	
142	100		
127	41.7	33.8	50.8
141	14.4	11.7	17.5





#11

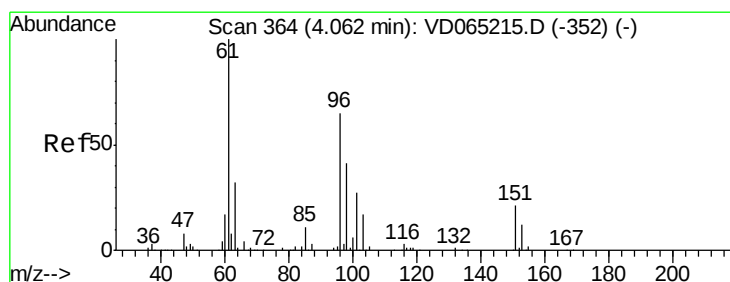
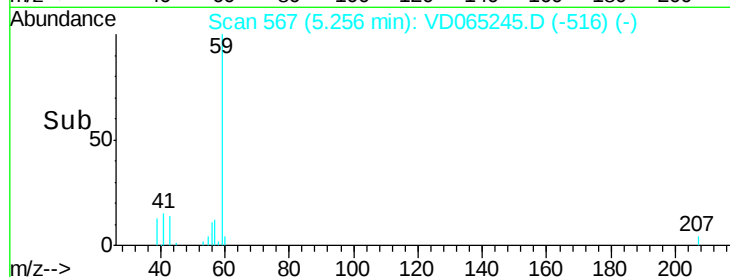
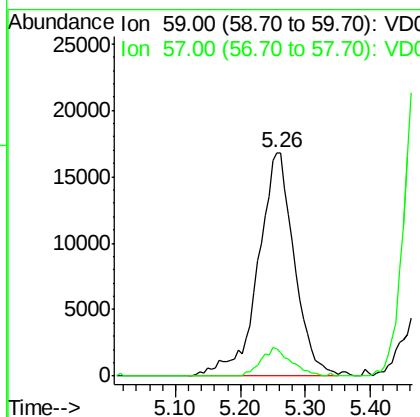
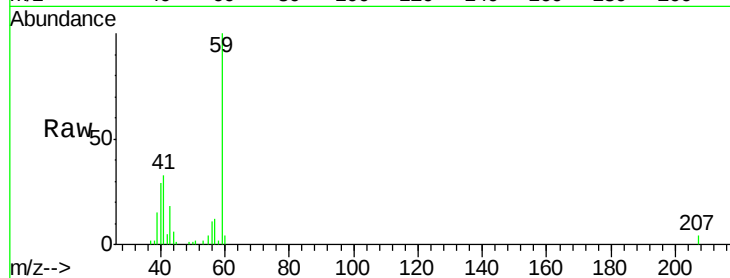
Tert butyl alcohol
Concen: 228.991 ug/l
RT: 5.26 min Scan# 567
Delta R.T. 0.00 min
Lab File: VD065245.D
Acq: 19 Feb 2020 18:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	64571
Ion Ratio	100	Lower	Upper
57	10.5	8.4	12.6

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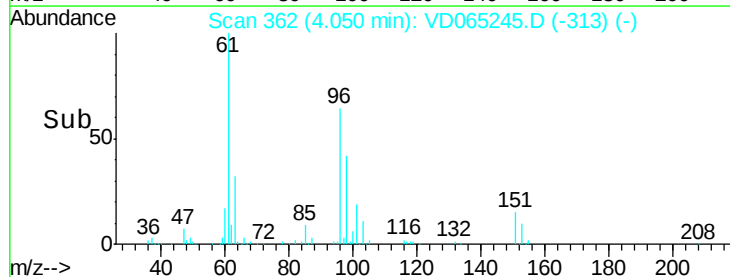
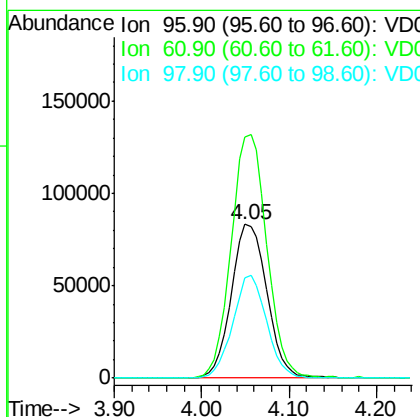
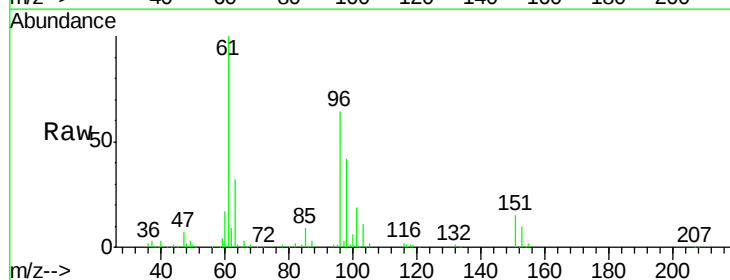
MMDadoda
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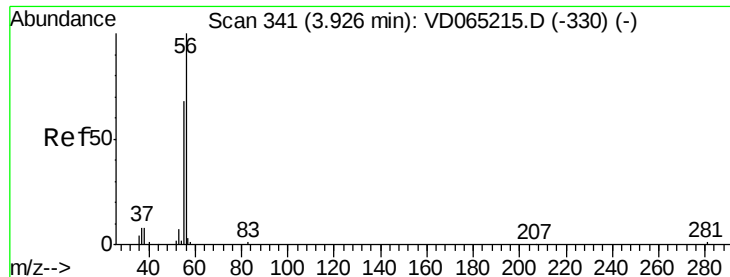


#12

1,1-Dichloroethene
Concen: 47.494 ug/l
RT: 4.05 min Scan# 362
Delta R.T. -0.01 min
Lab File: VD065245.D
Acq: 19 Feb 2020 18:16

Tgt Ion	96	Resp	230979
Ion Ratio	100	Lower	Upper
61	157.1	123.3	184.9
98	65.6	51.0	76.4





#13

Acrolein

Concen: 296.792 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065245.D

Acq: 19 Feb 2020 18:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 100622

Ion Ratio Lower Upper

56 100

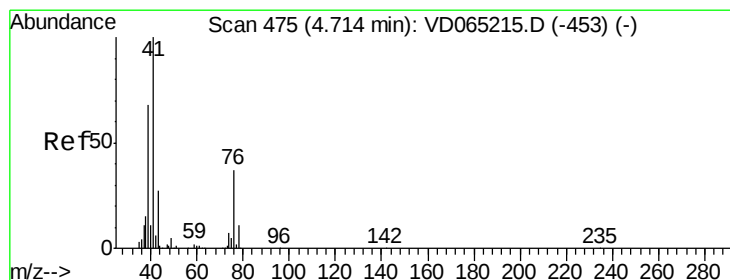
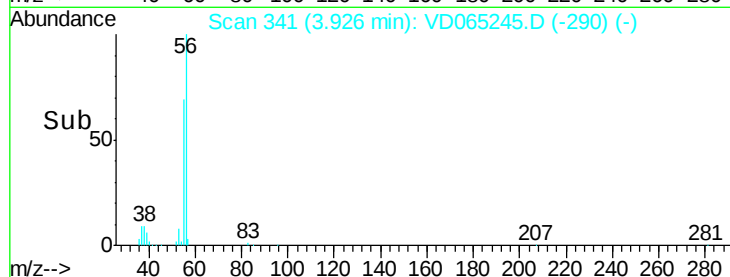
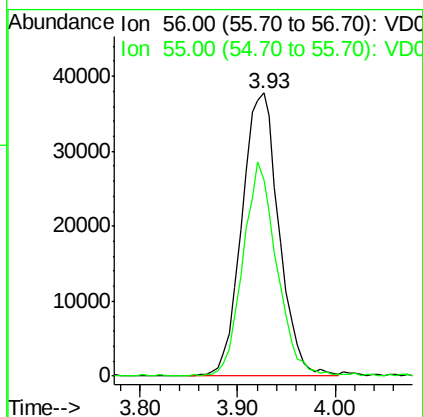
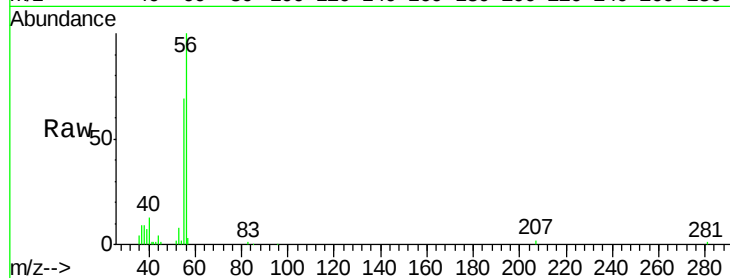
55 69.5 56.6 85.0

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#14

Allyl chloride

Concen: 48.324 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065245.D

Acq: 19 Feb 2020 18:16

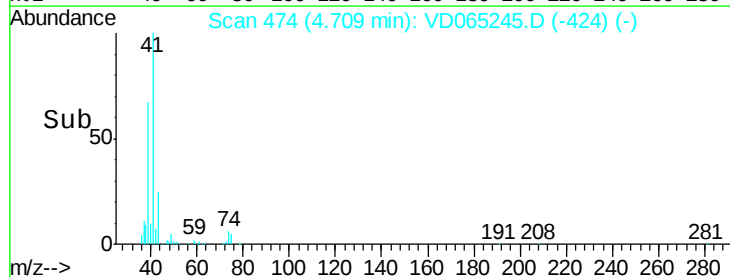
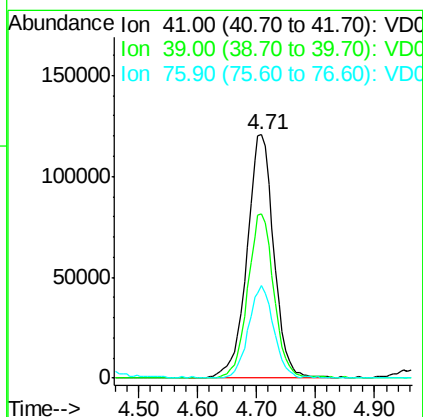
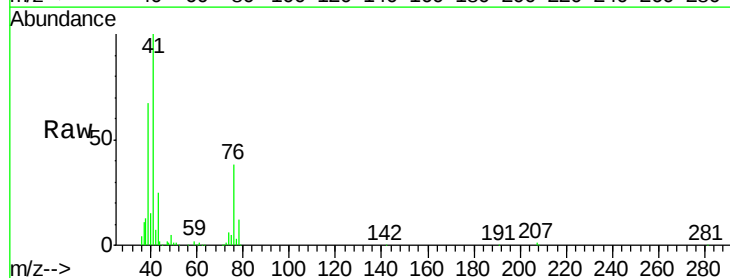
Tgt Ion: 41 Resp: 381641

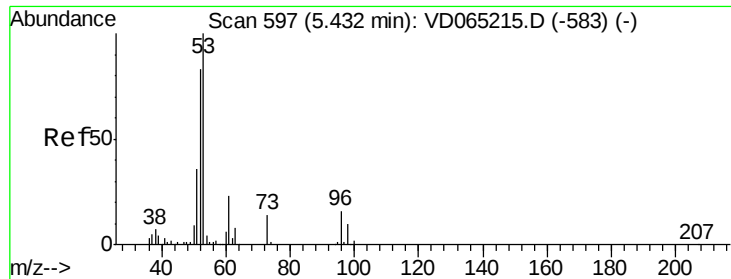
Ion Ratio Lower Upper

41 100

39 65.6 53.8 80.6

76 35.4 28.7 43.1





#15

Acrylonitrile

Concen: 242.083 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD065245.D

Acq: 19 Feb 2020 18:16

Instrument :

MSVOA_D

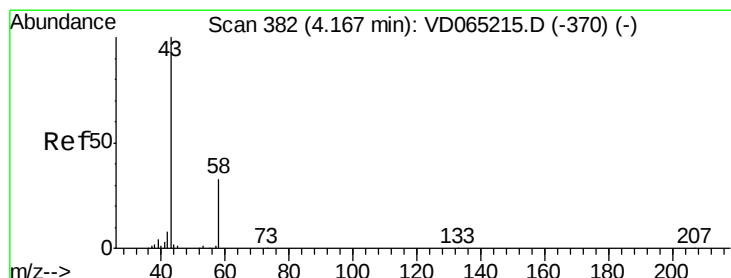
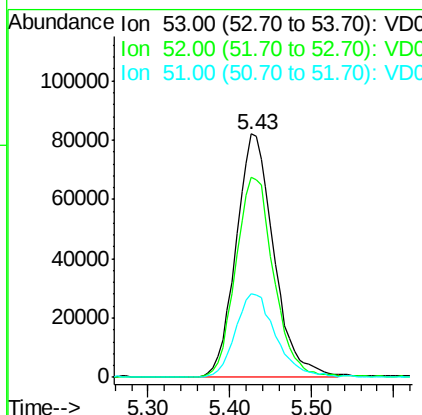
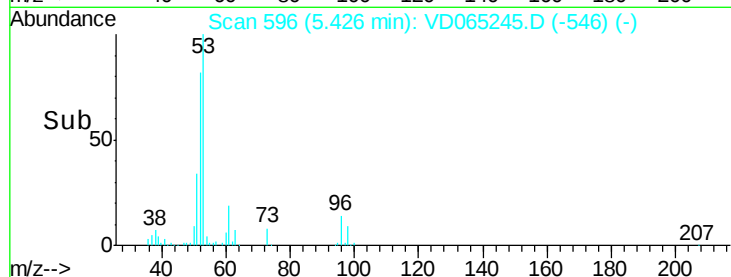
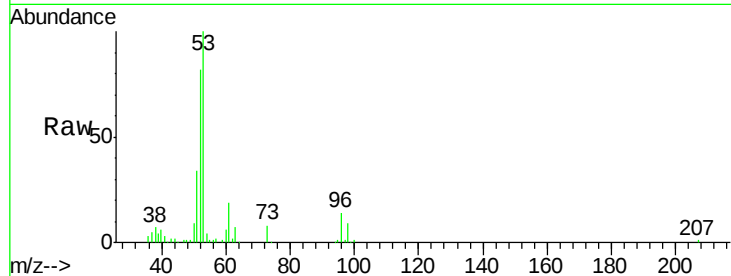
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	263749
Ion Ratio	Lower	Upper	
53	100		
52	83.4	65.4	98.2
51	37.2	29.5	44.3

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#16

Acetone

Concen: 213.876 ug/l

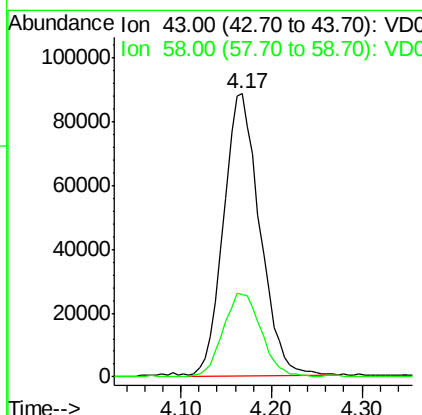
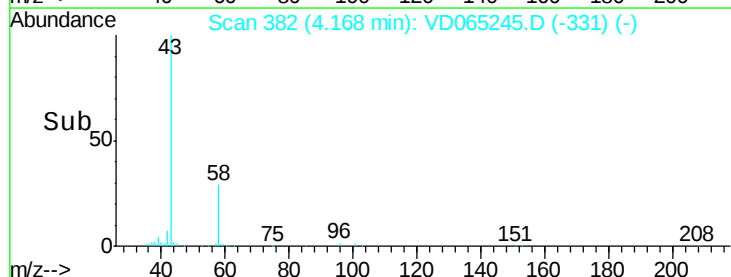
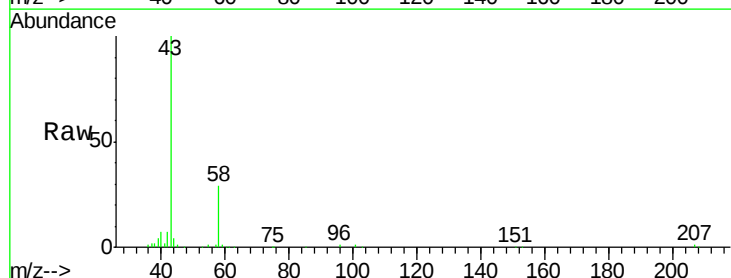
RT: 4.17 min Scan# 382

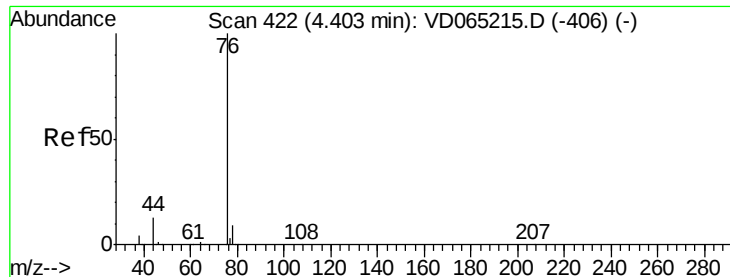
Delta R.T. 0.00 min

Lab File: VD065245.D

Acq: 19 Feb 2020 18:16

Tgt Ion:	43	Resp:	246709
Ion Ratio	Lower	Upper	
43	100		
58	29.1	26.2	39.2





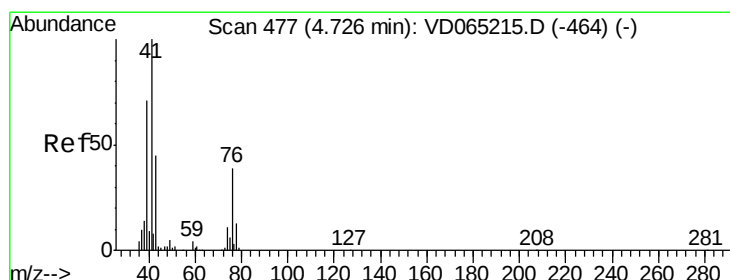
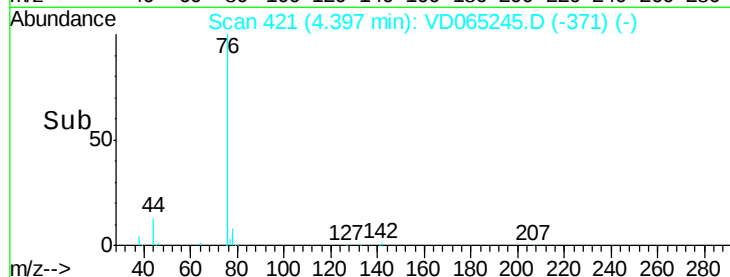
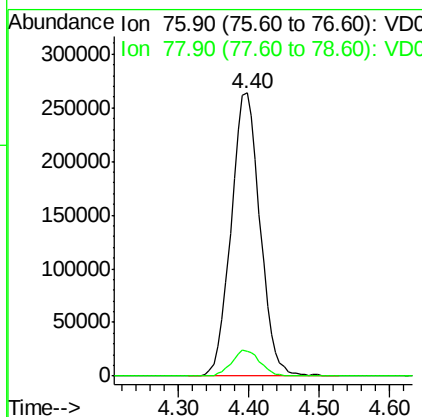
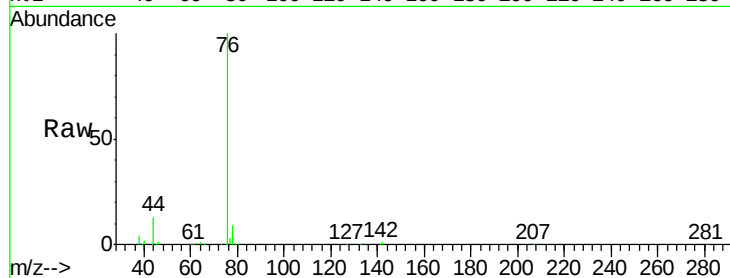
#17
Carbon Disulfide
Concen: 46.064 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD065245.D
Acq: 19 Feb 2020 18:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.0	10.6

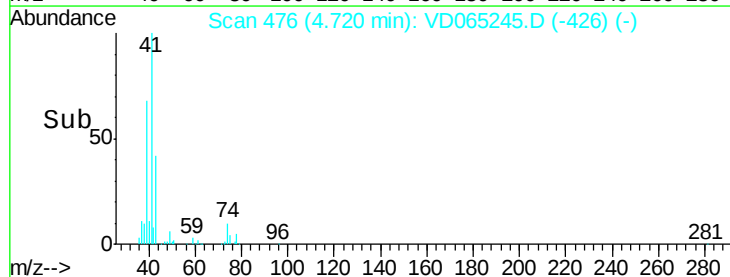
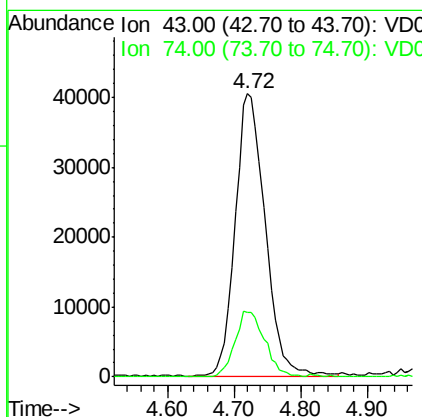
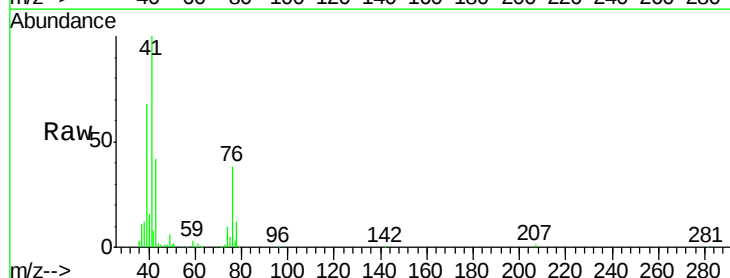
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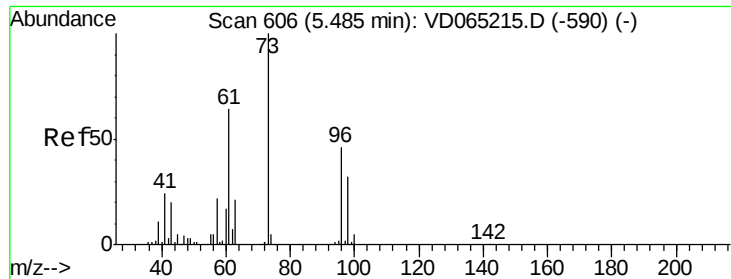
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#18
Methyl Acetate
Concen: 49.053 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD065245.D
Acq: 19 Feb 2020 18:16

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.6	19.4	29.2





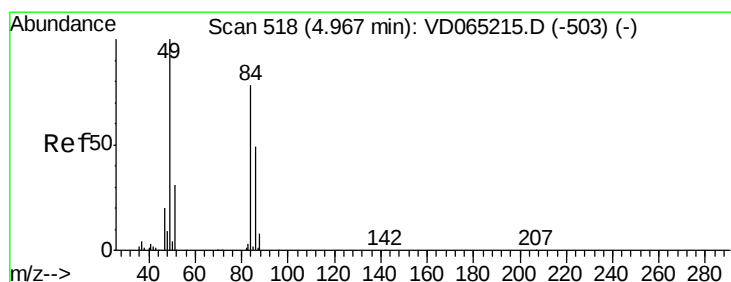
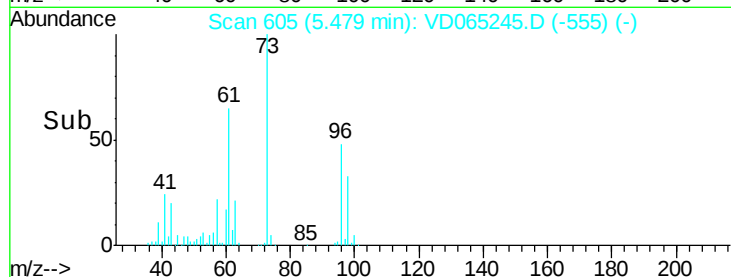
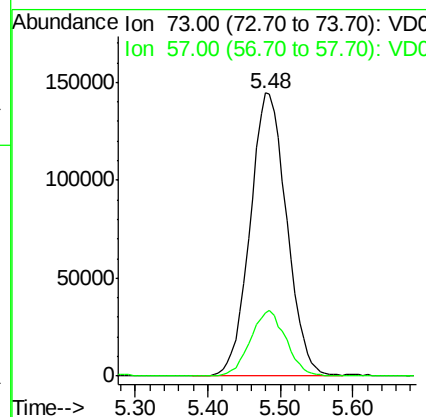
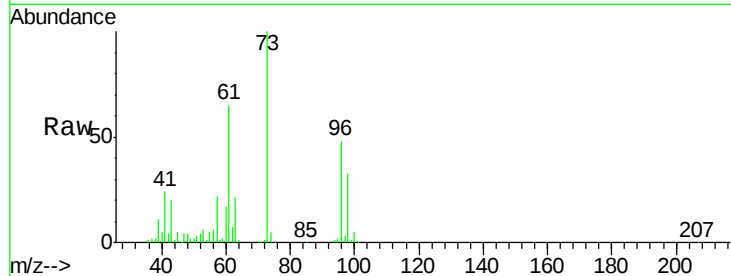
#19
Methvl tert-butvl Ether
Concen: 49.986 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD065245.D
Acq: 19 Feb 2020 18:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 506944
Ion Ratio Lower Upper
73 100
57 22.3 17.3 25.9

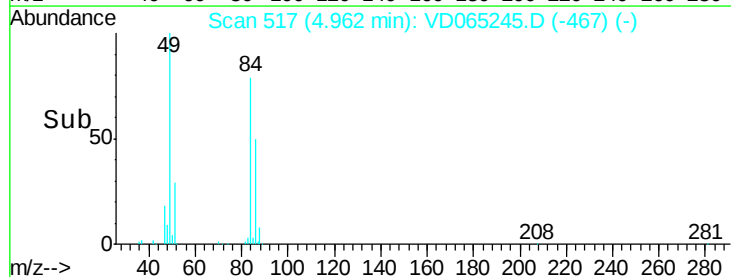
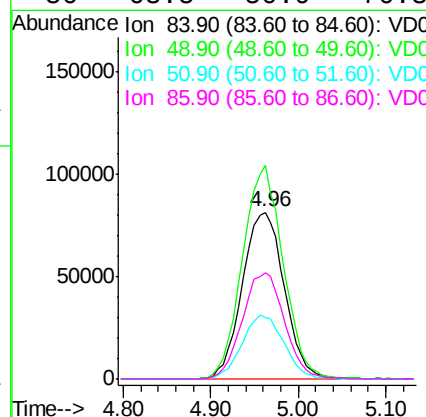
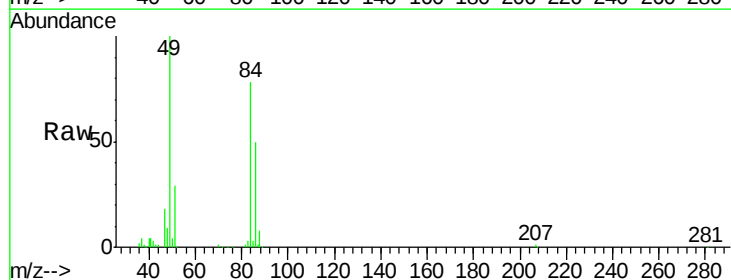
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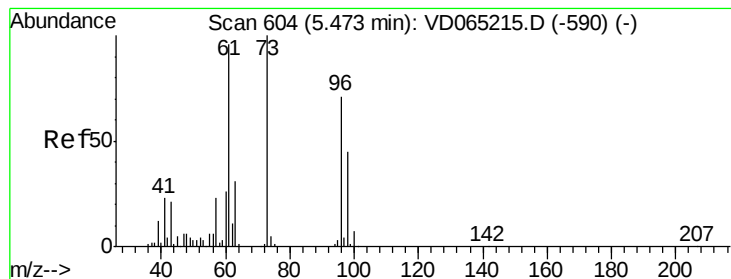
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#20
Methylene Chloride
Concen: 51.799 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065245.D
Acq: 19 Feb 2020 18:16

Tgt Ion: 84 Resp: 265146
Ion Ratio Lower Upper
84 100
49 128.1 103.1 154.7
51 36.8 31.7 47.5
86 63.5 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 47.958 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD065245.D

Acq: 19 Feb 2020 18:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 265146

Ion Ratio Lower Upper

96 100

61 128.1 108.3 162.5

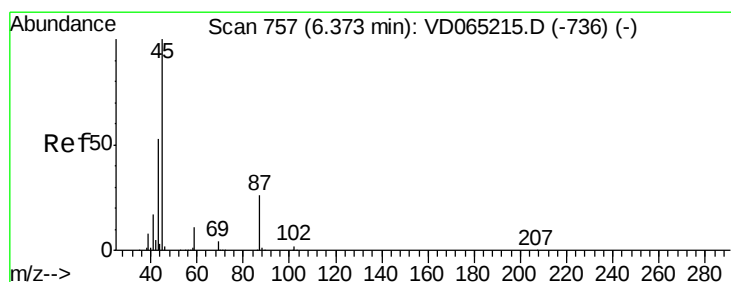
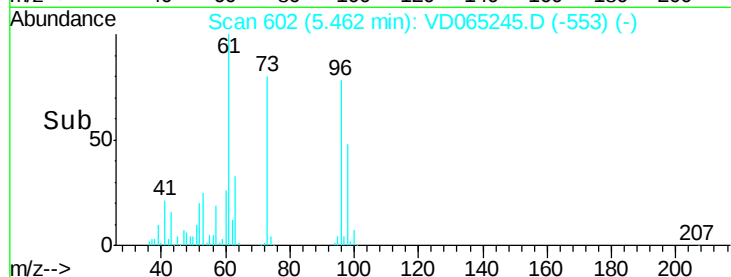
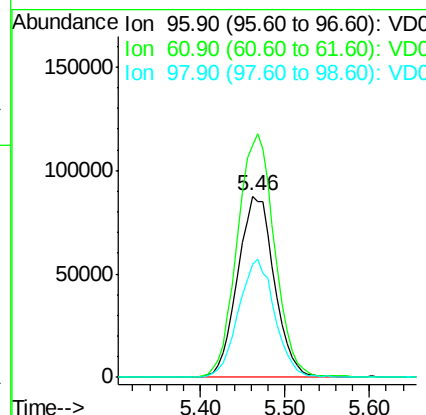
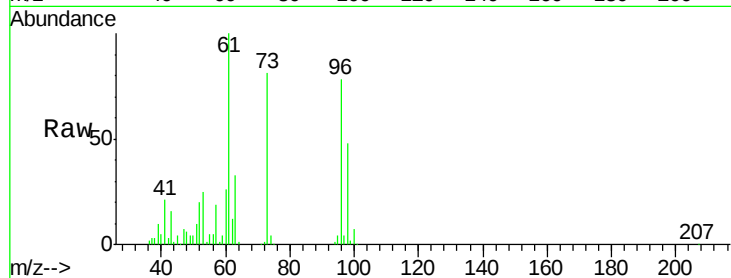
98 62.0 50.7 76.1

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#22

Diisopropyl ether

Concen: 50.109 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD065245.D

Acq: 19 Feb 2020 18:16

Tgt Ion: 45 Resp: 762899

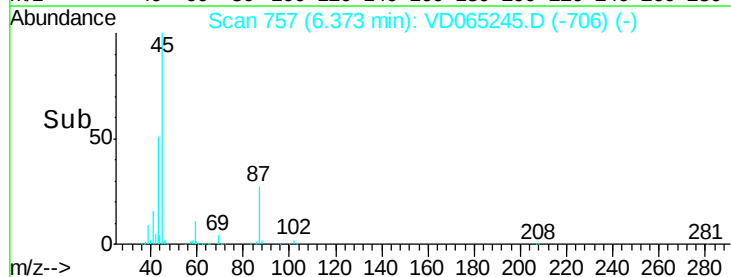
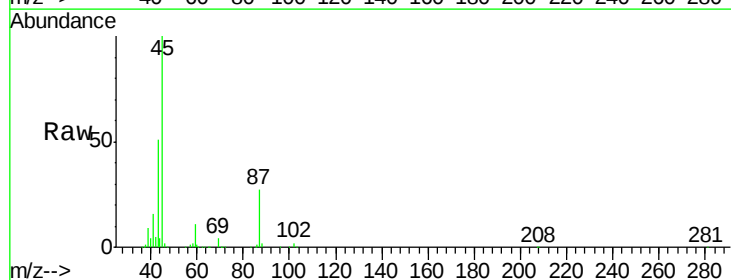
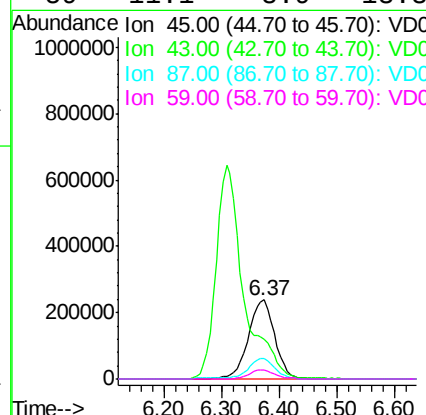
Ion Ratio Lower Upper

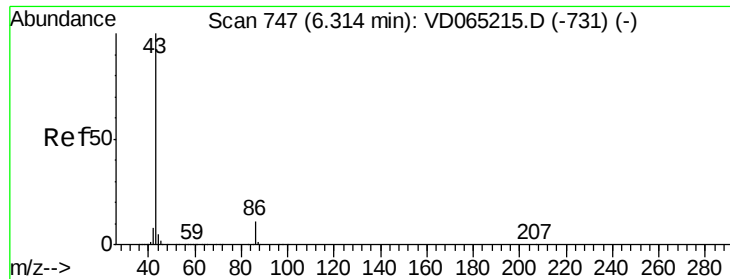
45 100

43 50.2 42.6 64.0

87 26.4 21.2 31.8

59 11.1 8.9 13.3





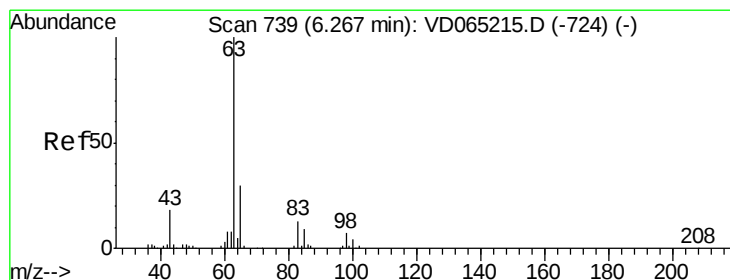
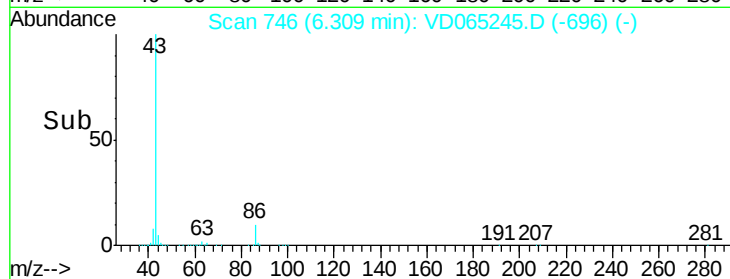
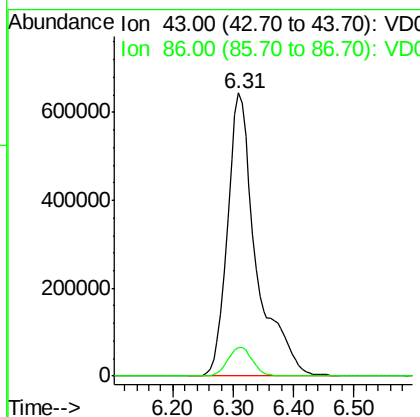
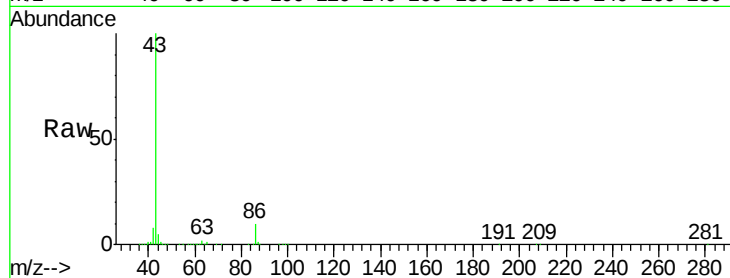
#23
 Vinyl Acetate
 Concen: 254.823 ug/l
 RT: 6.31 min Scan# 746
 Delta R.T. -0.01 min
 Lab File: VD065245.D
 Acq: 19 Feb 2020 18:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 2138815
 Ion Ratio Lower Upper
 43 100
 86 10.2 8.6 12.8

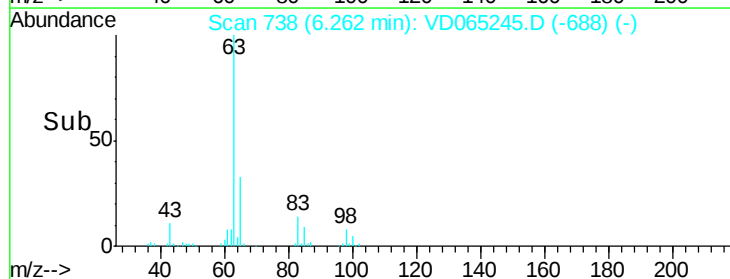
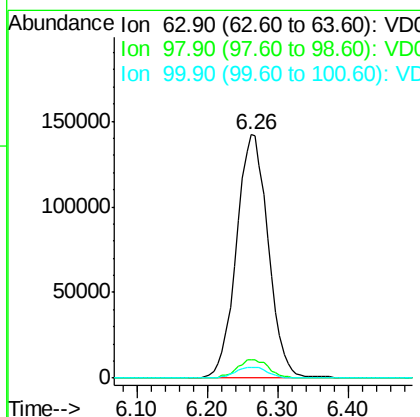
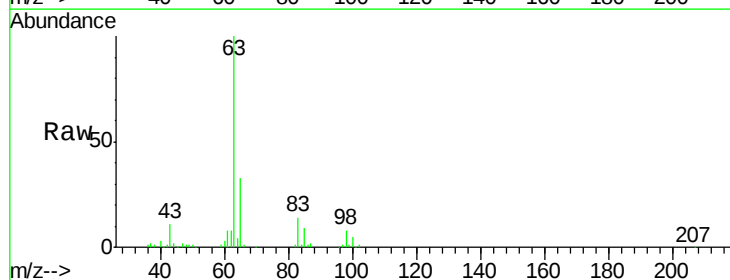
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#24
 1,1-Dichloroethane
 Concen: 47.206 ug/l
 RT: 6.26 min Scan# 738
 Delta R.T. -0.01 min
 Lab File: VD065245.D
 Acq: 19 Feb 2020 18:16

Tgt Ion: 63 Resp: 445783
 Ion Ratio Lower Upper
 63 100
 98 7.6 3.4 10.1
 100 4.6 2.3 6.8





#25

2-Butanone

Concen: 230.785 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065245.D

Acq: 19 Feb 2020 18:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 336819

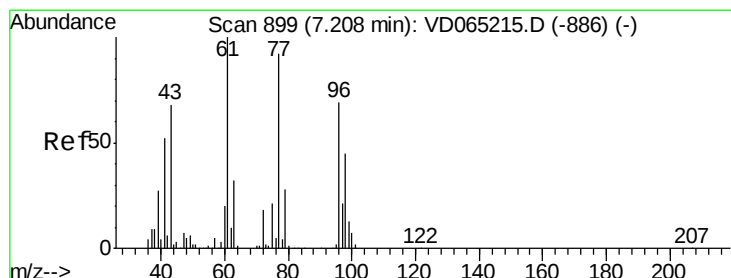
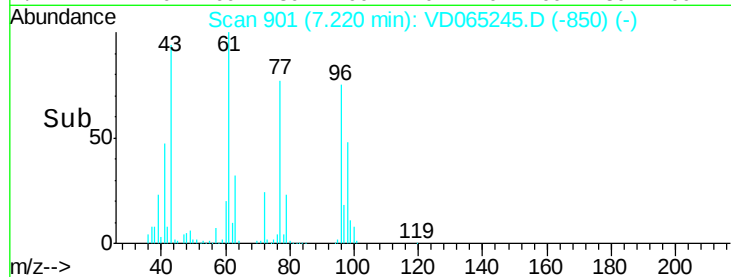
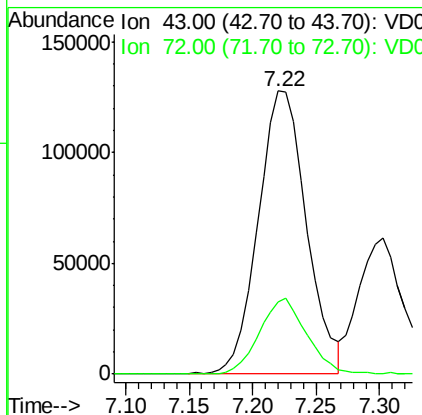
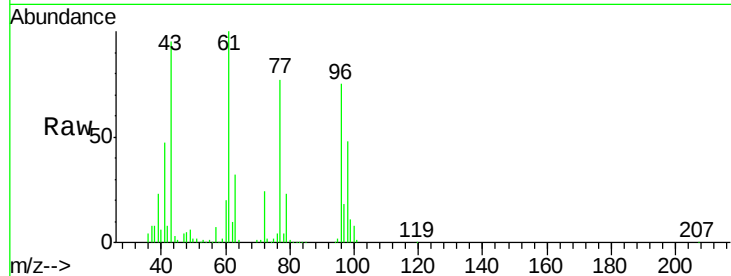
Ion Ratio Lower Upper

43 100

72 25.7 20.9 31.3

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 44.363 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD065245.D

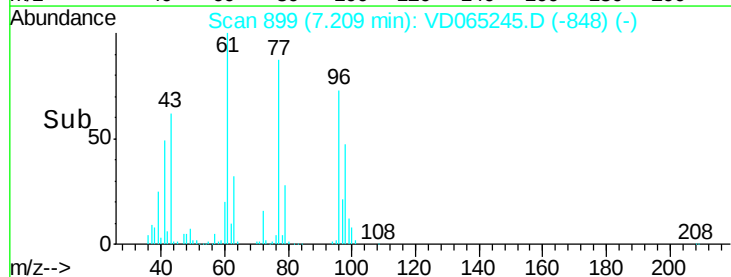
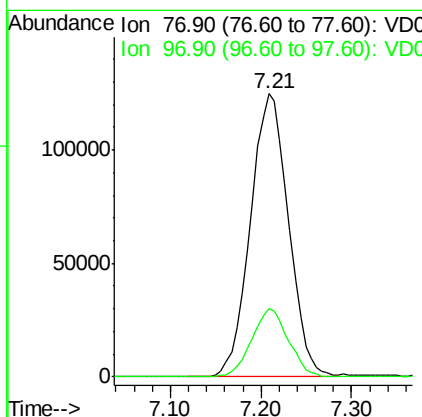
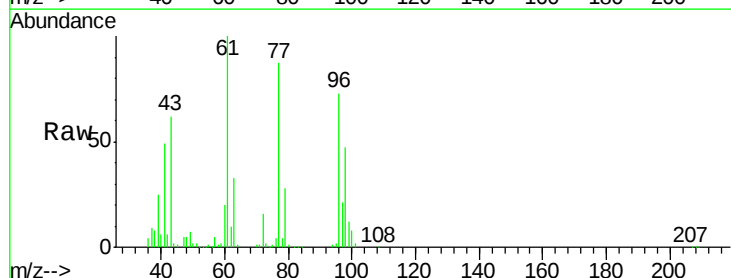
Acq: 19 Feb 2020 18:16

Tgt Ion: 77 Resp: 363483

Ion Ratio Lower Upper

77 100

97 23.2 11.7 35.1





#27

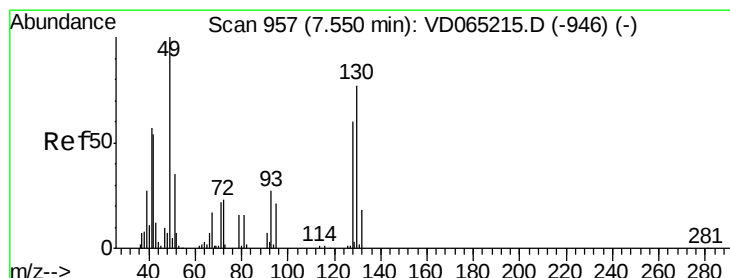
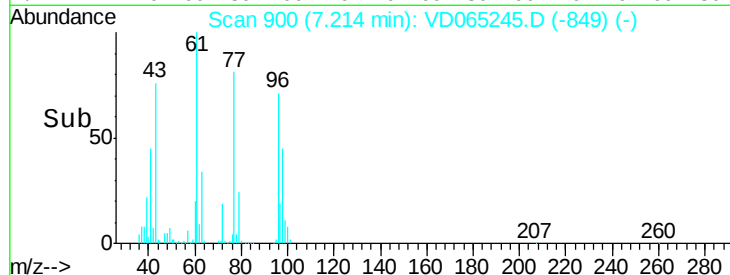
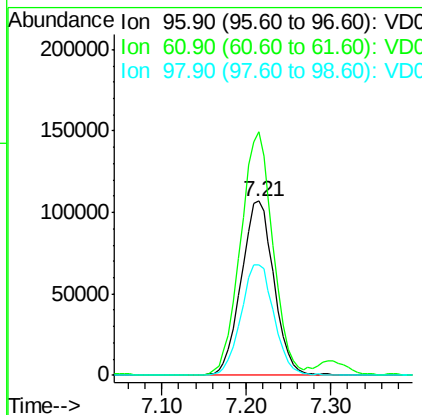
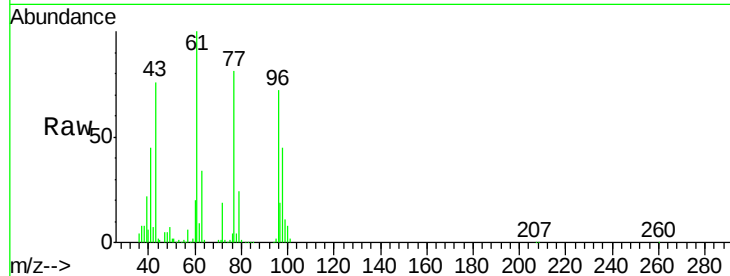
cis-1,2-Dichloroethene
Concen: 49.164 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD065245.D
Acq: 19 Feb 2020 18:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.9	0.0	286.0
98	64.3	0.0	127.8

Manual Integrations
APPROVED

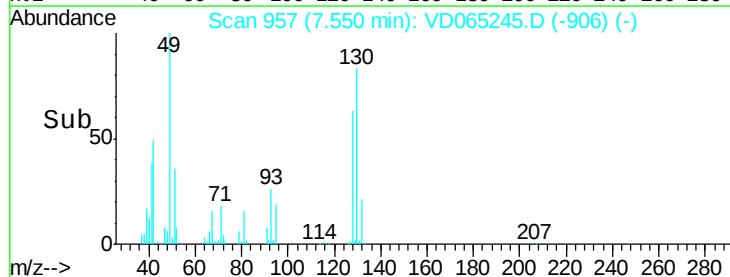
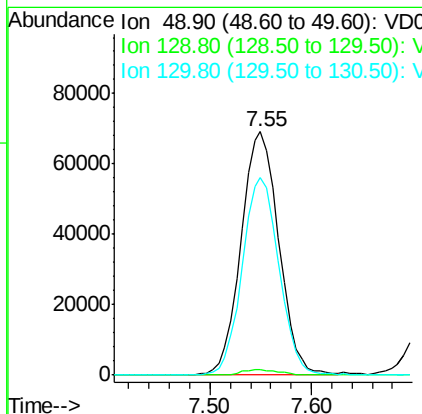
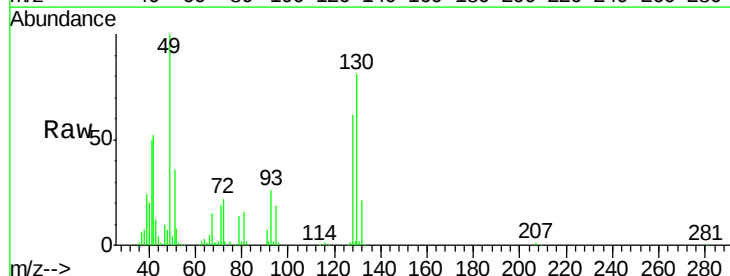
MMDadoda
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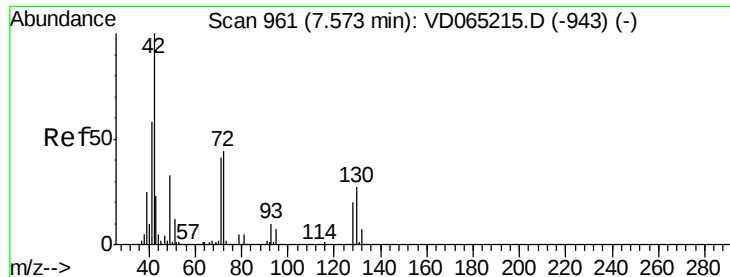


#28

Bromochloromethane
Concen: 50.925 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD065245.D
Acq: 19 Feb 2020 18:16

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.6
130	79.4	64.7	97.1





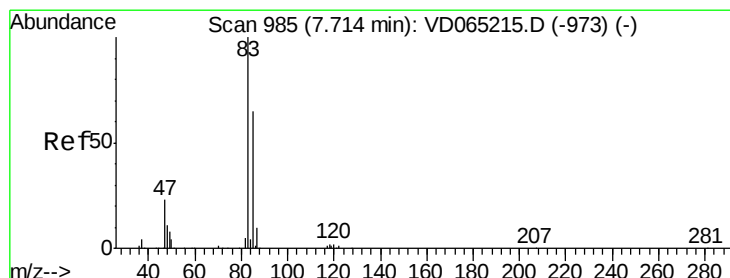
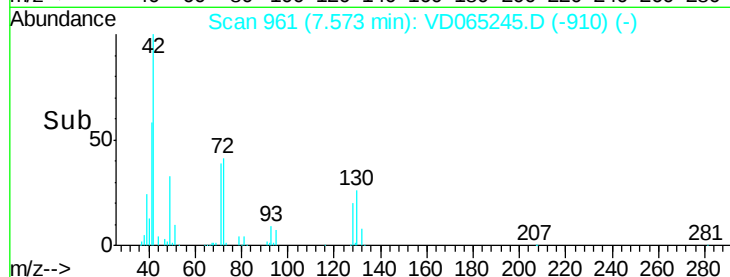
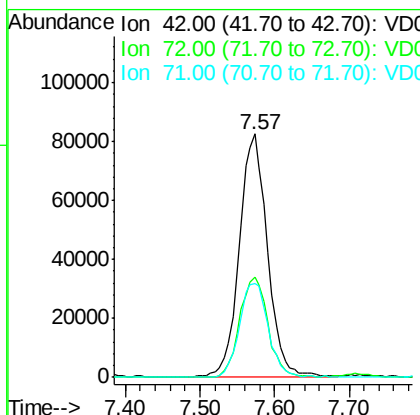
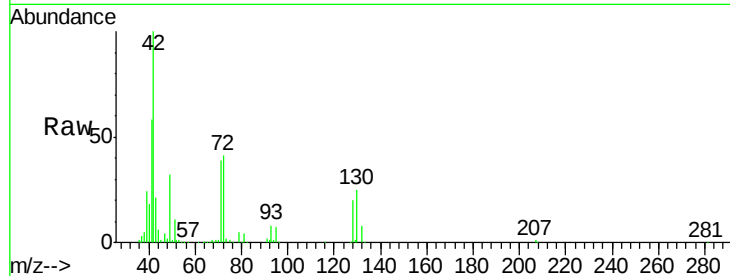
#29
Tetrahydrofuran
Concen: 250.926 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD065245.D
Acq: 19 Feb 2020 18:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.0	33.7	50.5
71	40.2	31.4	47.2

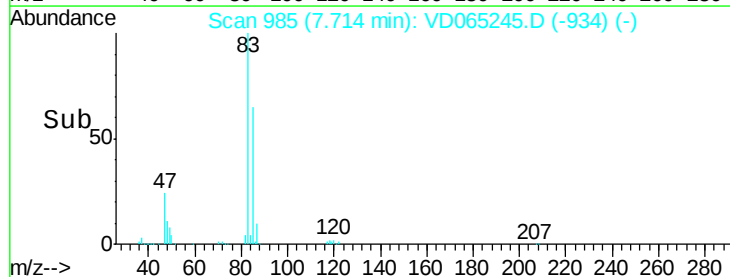
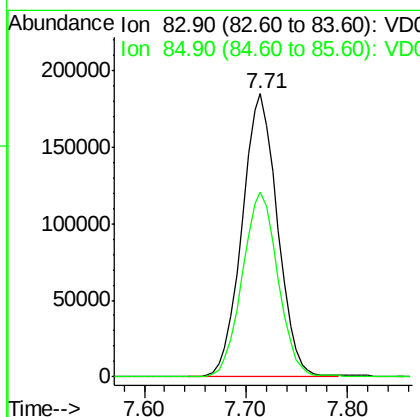
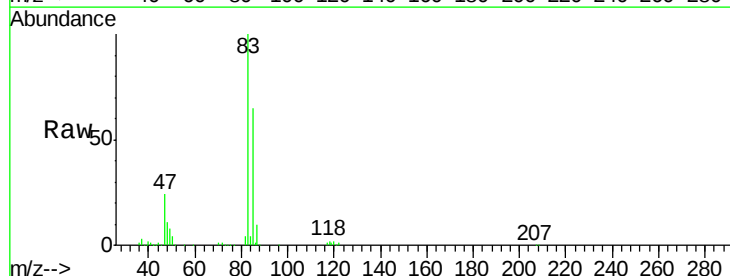
Manual Integrations
APPROVED

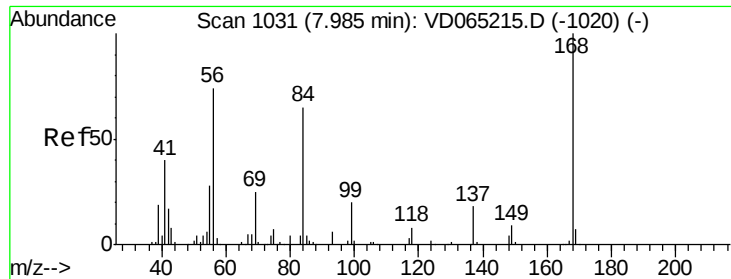
MMDadoda
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#30
Chloroform
Concen: 46.986 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065245.D
Acq: 19 Feb 2020 18:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.3	78.5





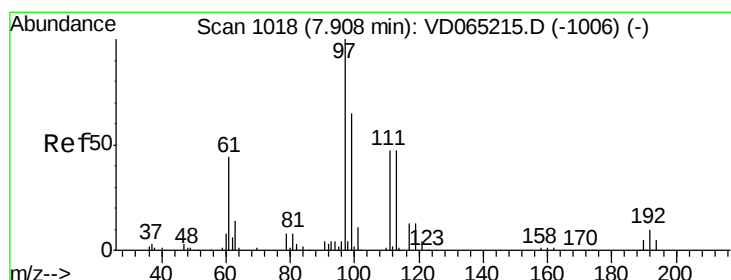
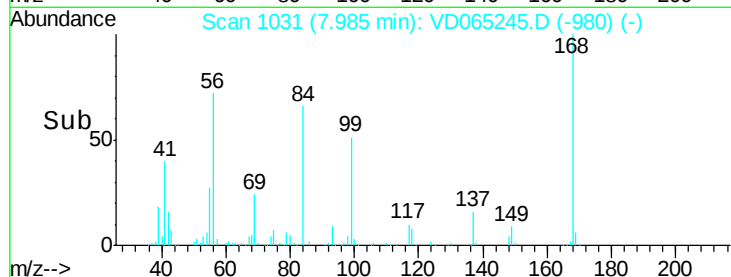
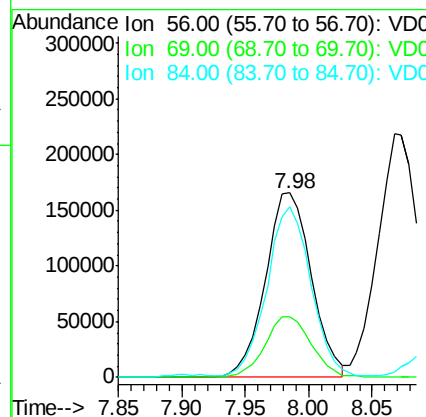
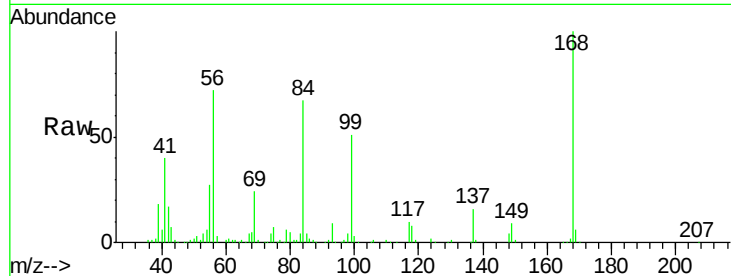
#31
Cyclohexane
Concen: 45.022 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065245.D
Acq: 19 Feb 2020 18:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.1	27.4	41.0
84	91.3	71.1	106.7

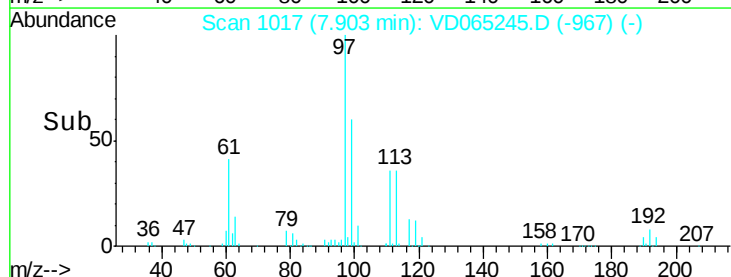
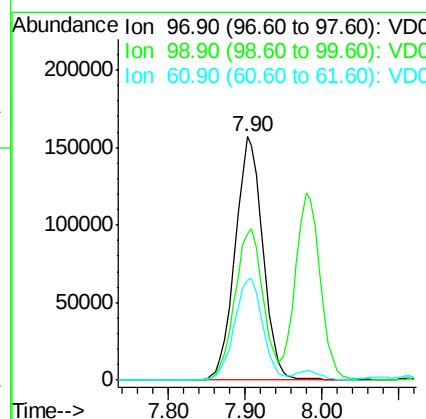
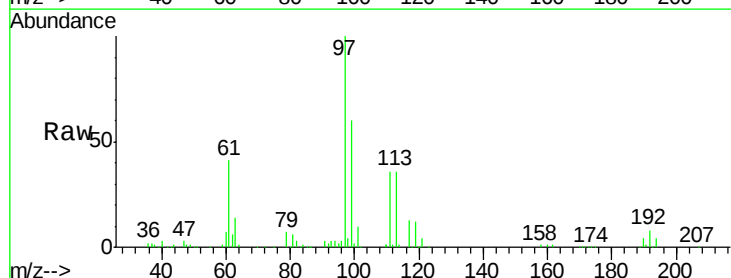
Manual Integrations
APPROVED

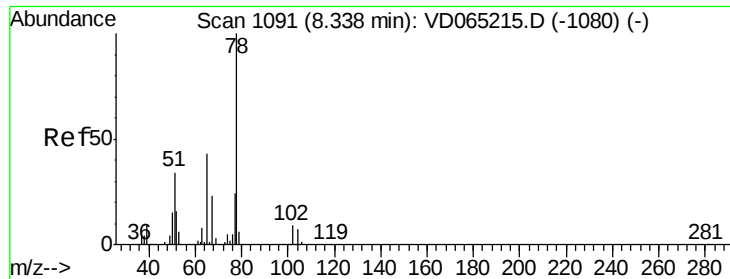
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 46.415 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065245.D
Acq: 19 Feb 2020 18:16

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.4	77.2
61	42.8	34.8	52.2





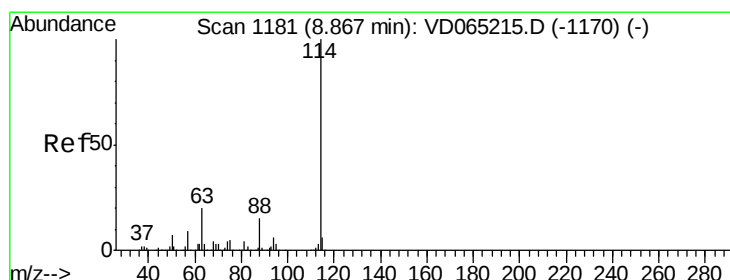
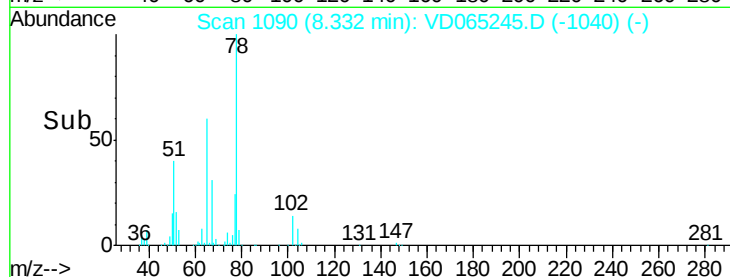
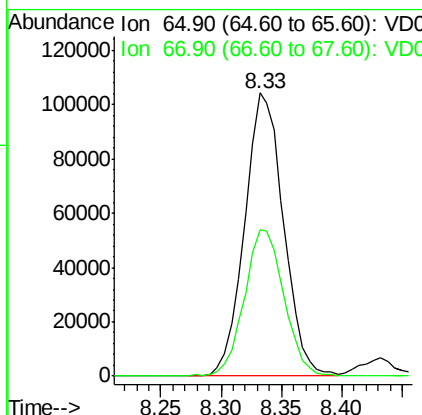
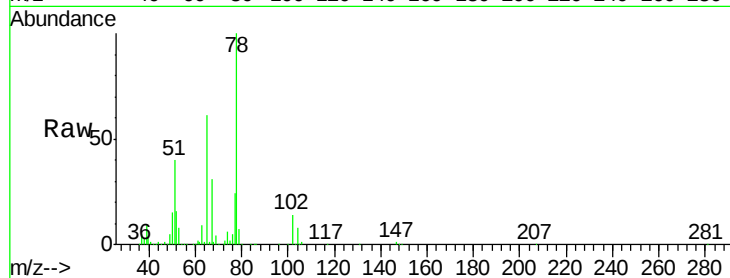
#33
 1,2-Dichloroethane-d4
 Concen: 49.480 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD065245.D
 Acq: 19 Feb 2020 18:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	233487		
67	52.8	0.0	106.8	

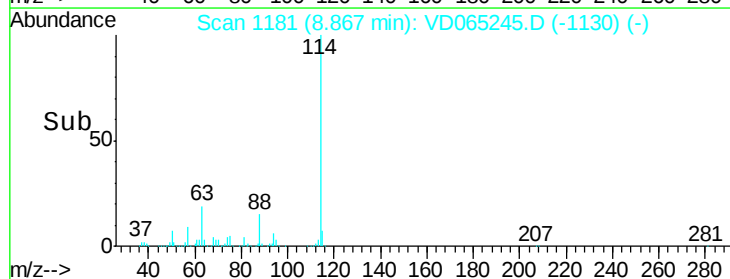
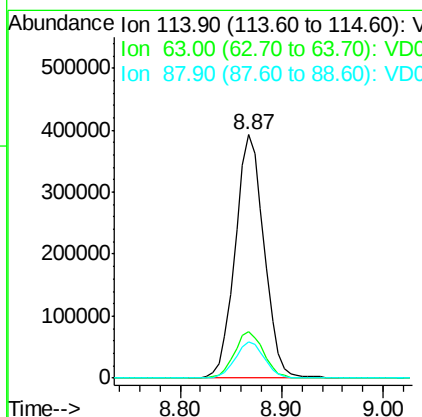
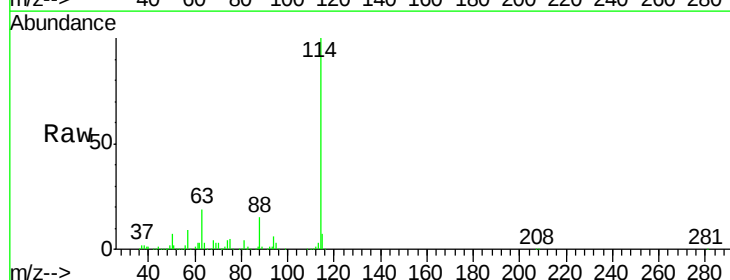
Manual Integrations
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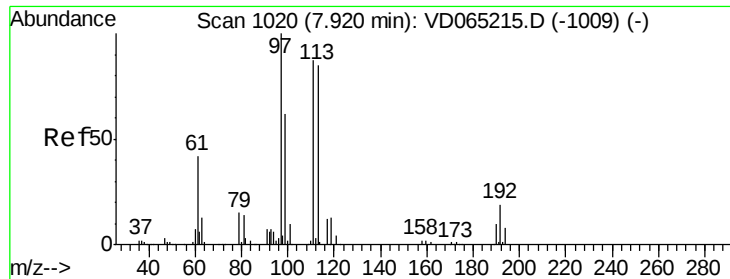
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 2/21/2020 5:25:46 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065245.D
 Acq: 19 Feb 2020 18:16

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	774060		
63	19.2	0.0	39.4	
88	15.1	0.0	30.4	





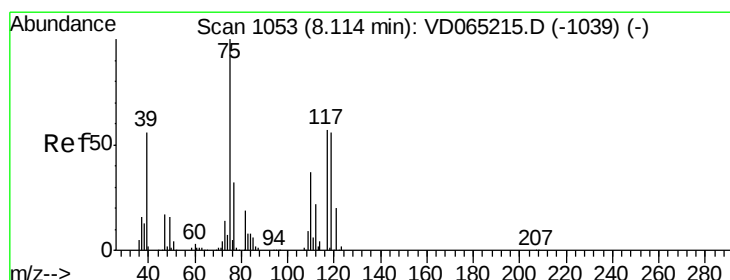
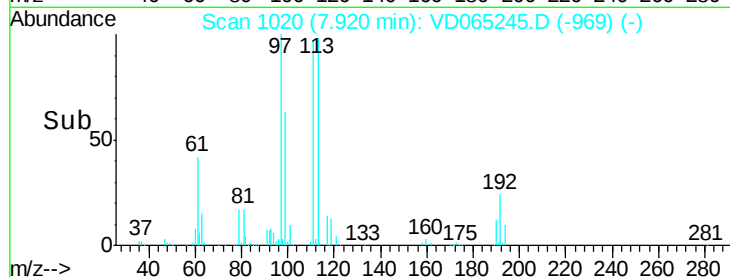
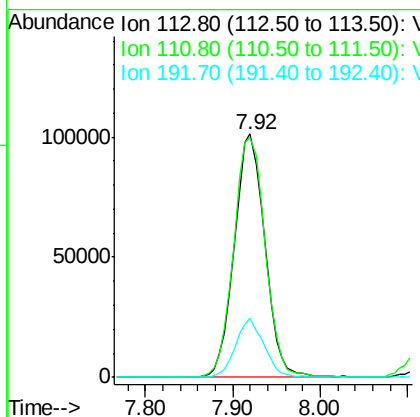
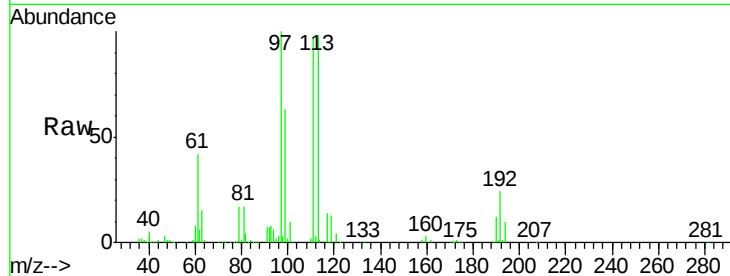
#35
 Dibromofluoromethane
 Concen: 50.686 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065245.D
 Acq: 19 Feb 2020 18:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	239225		
111	102.3		82.9	124.3
192	22.4		17.3	25.9

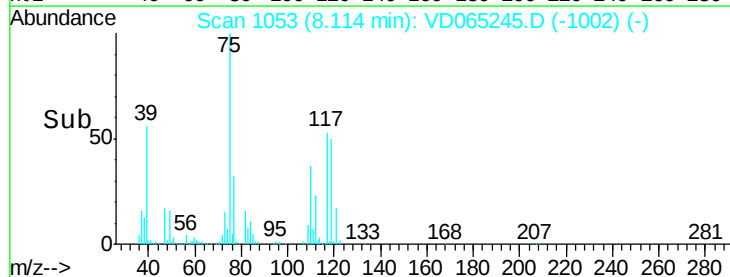
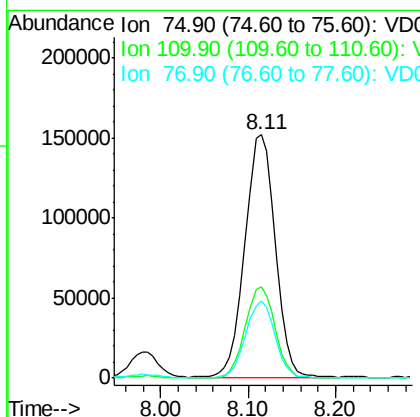
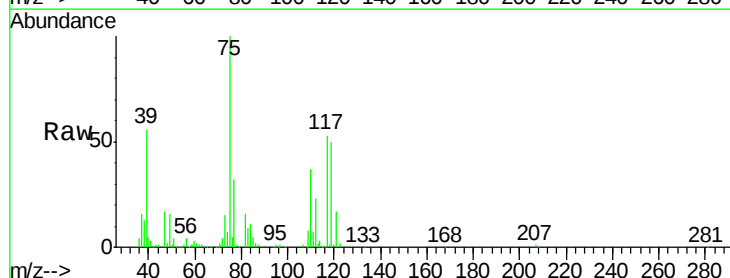
Manual Integrations
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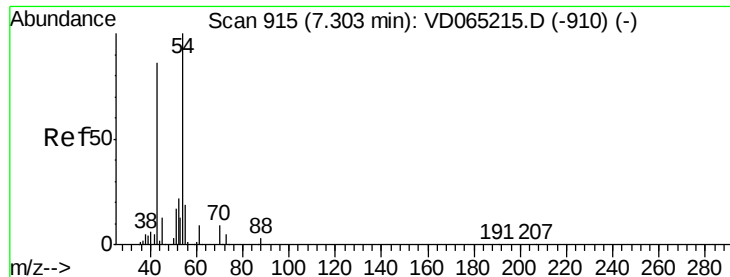
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#36
 1,1-Dichloropropene
 Concen: 47.663 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065245.D
 Acq: 19 Feb 2020 18:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	358981		
110	36.7		17.9	53.7
77	31.1		25.1	37.7





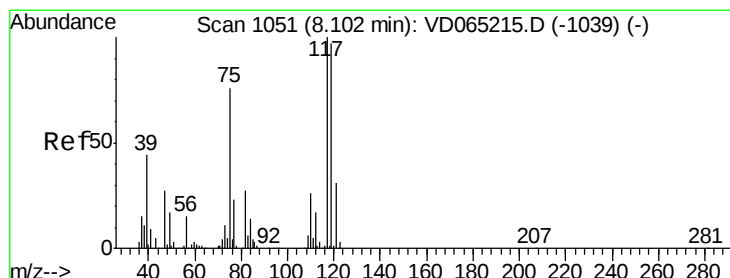
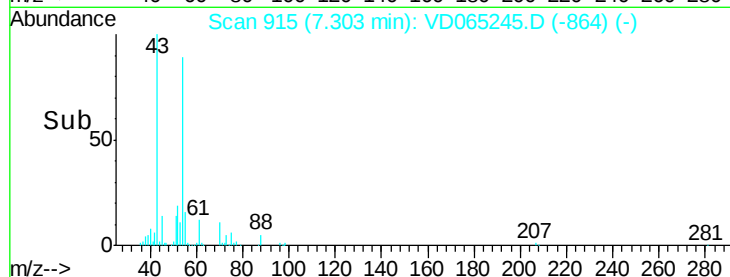
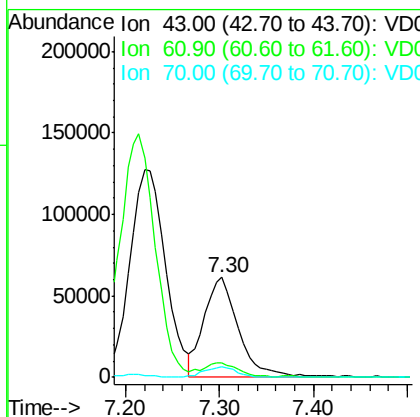
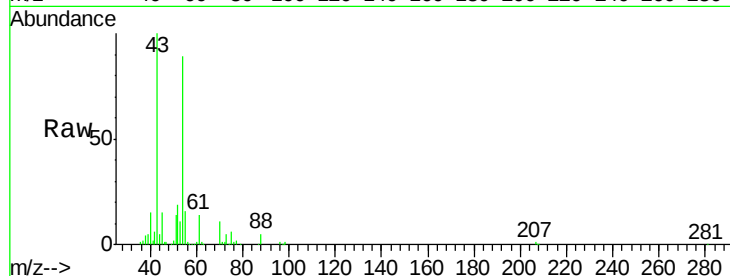
#37
Ethyl Acetate
Concen: 48.869 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD065245.D
Acq: 19 Feb 2020 18:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.1	11.2	16.8
70	10.2	8.2	12.2

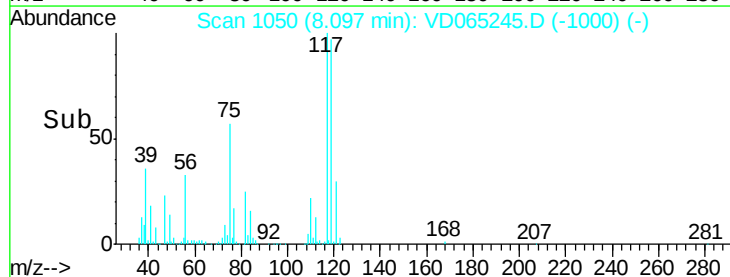
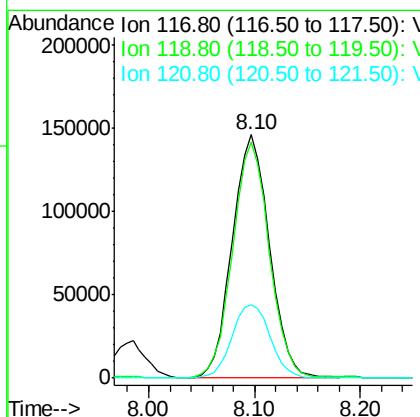
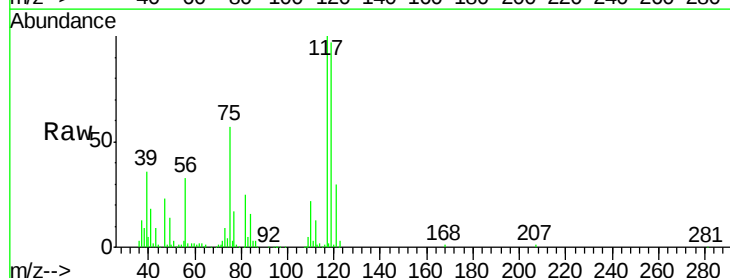
Manual Integrations
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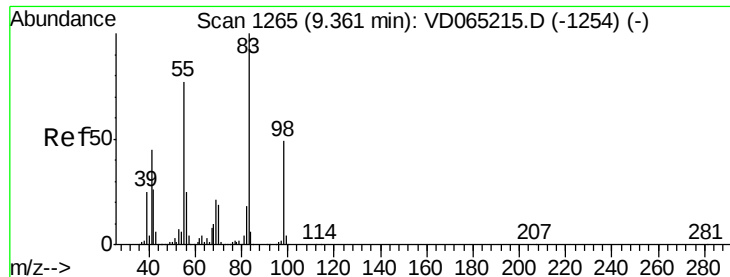
MMDadoda
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#38
Carbon Tetrachloride
Concen: 46.295 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065245.D
Acq: 19 Feb 2020 18:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.1	77.6	116.4
121	30.4	24.8	37.2





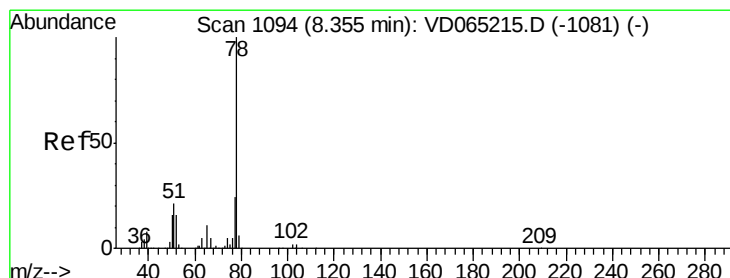
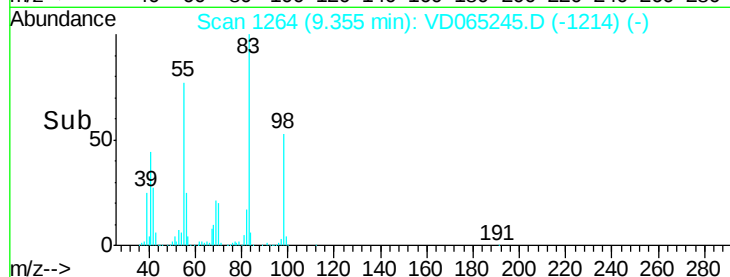
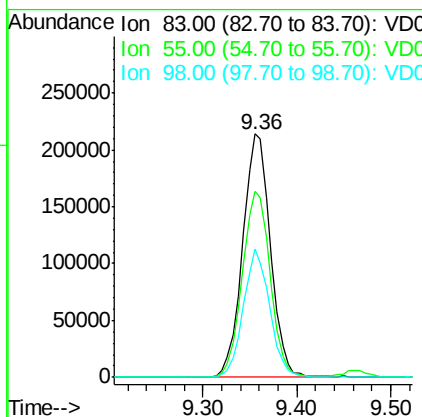
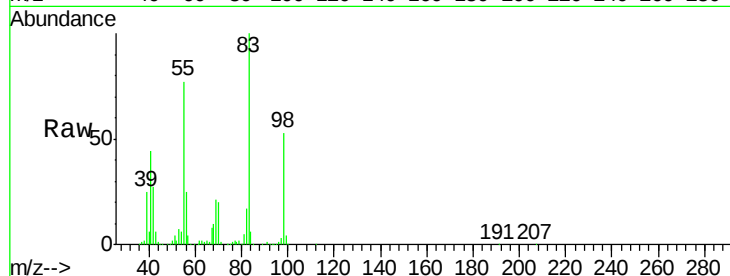
#39
Methvlcvclohexane
Concen: 49.496 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065245.D
Acq: 19 Feb 2020 18:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.6	61.8	92.6
98	52.5	39.4	59.0

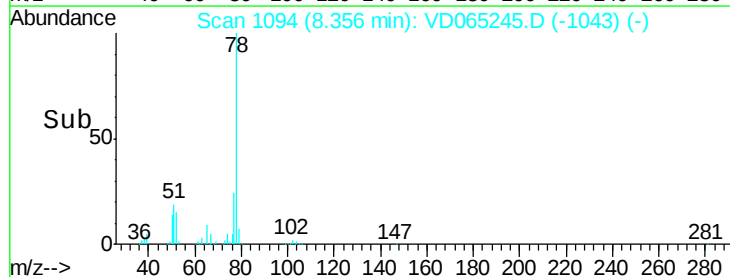
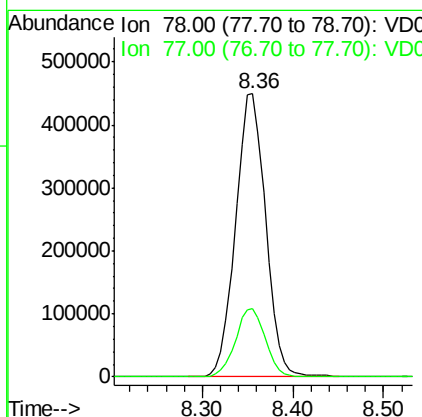
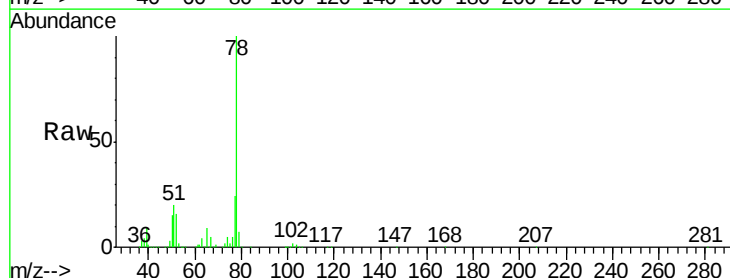
Manual Integrations
APPROVED

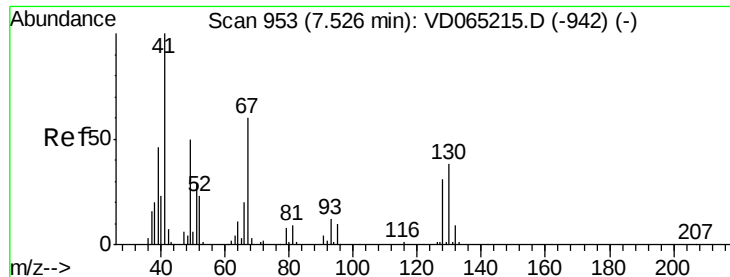
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#40
Benzene
Concen: 48.822 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065245.D
Acq: 19 Feb 2020 18:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.0	28.6





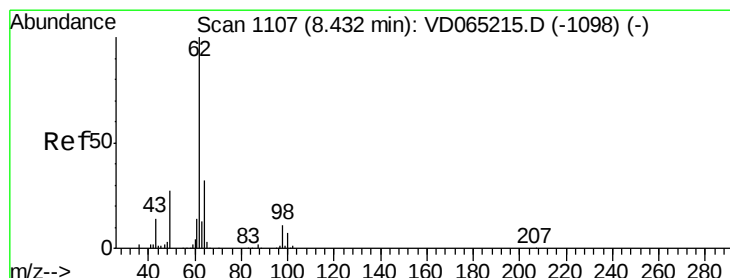
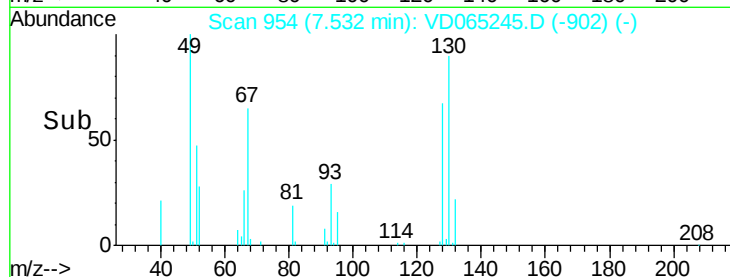
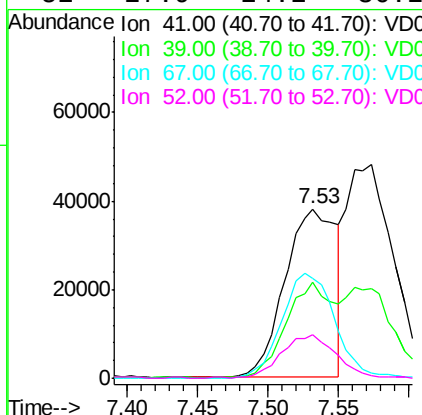
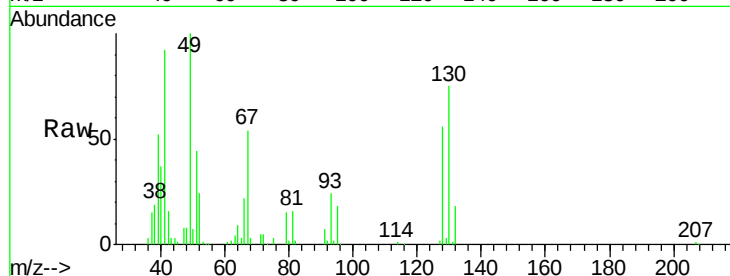
#41
Methacrylonitrile
Concen: 52.983 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD065245.D
Acq: 19 Feb 2020 18:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	53.5	48.1	72.1
67	64.8	58.9	88.3
52	27.9	24.2	36.2

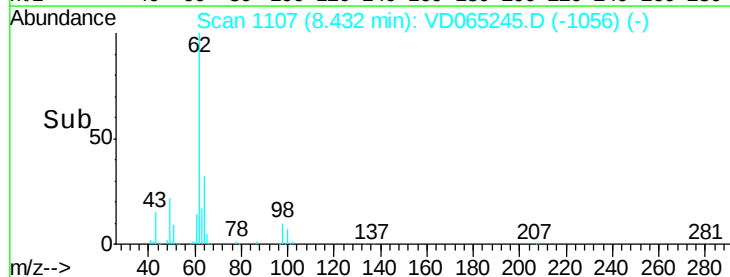
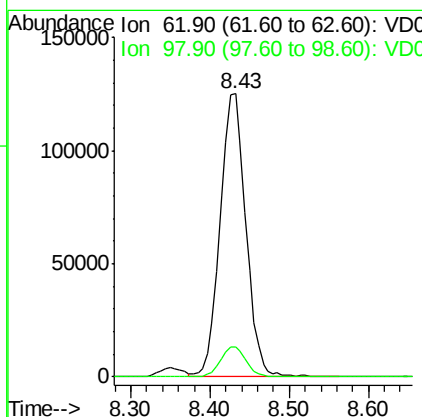
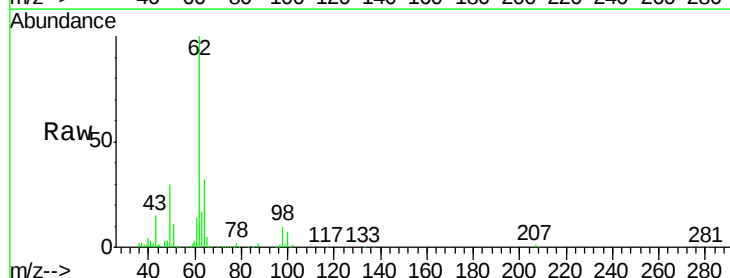
Manual Integrations
APPROVED

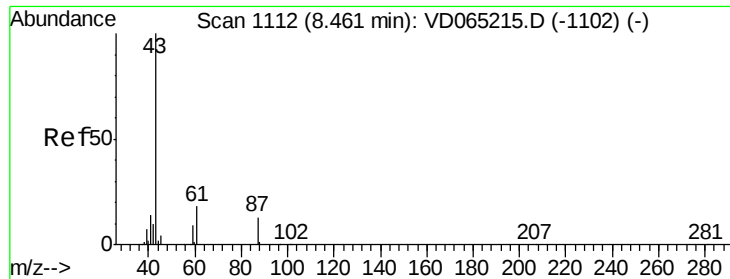
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#42
1,2-Dichloroethane
Concen: 48.041 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD065245.D
Acq: 19 Feb 2020 18:16

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	20.6





#43

Isopropyl Acetate

Concen: 48.037 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD065245.D

Acq: 19 Feb 2020 18:16

Instrument :

MSVOA_D

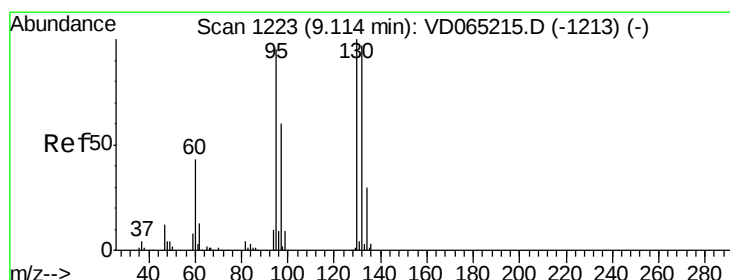
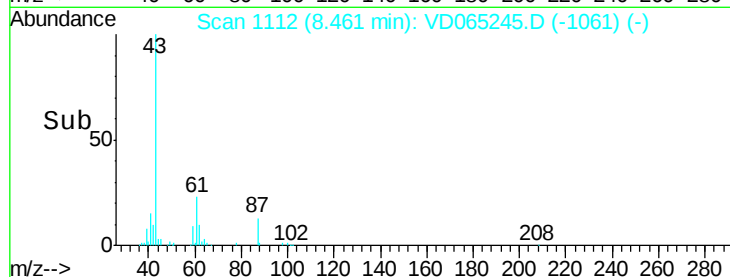
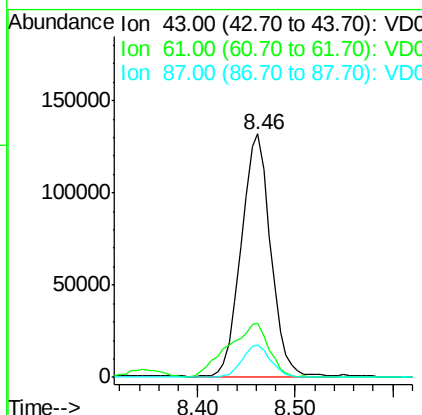
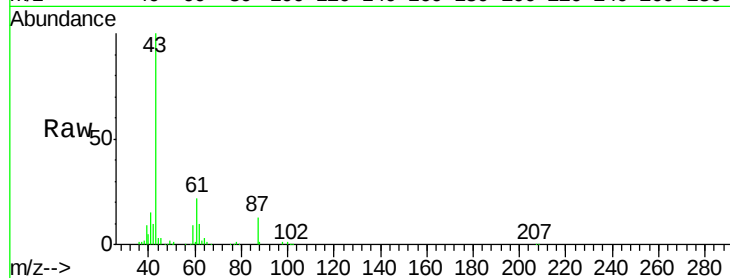
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	275040
Ion	Ratio	Lower	Upper
43	100		
61	31.1	24.6	36.8
87	13.1	10.6	16.0

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#44

Trichloroethene

Concen: 48.578 ug/l

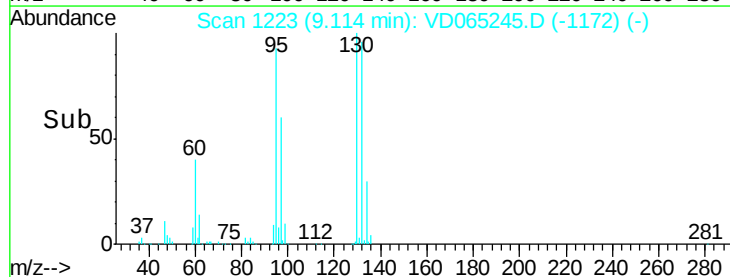
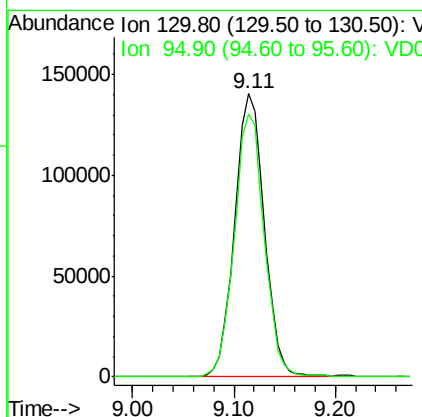
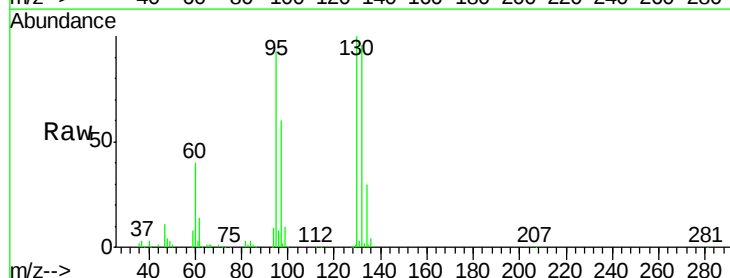
RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD065245.D

Acq: 19 Feb 2020 18:16

Tgt Ion:	130	Resp:	286265
Ion	Ratio	Lower	Upper
130	100		
95	93.0	0.0	190.6





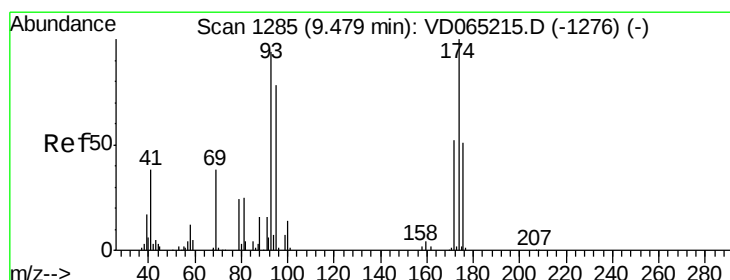
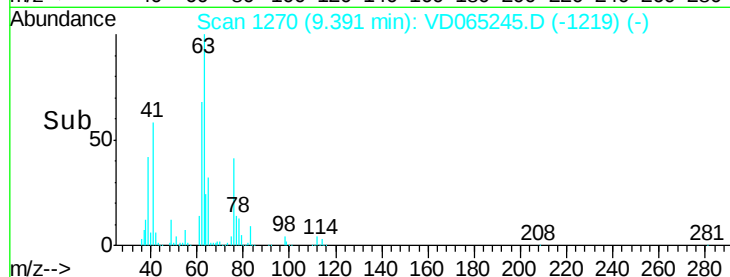
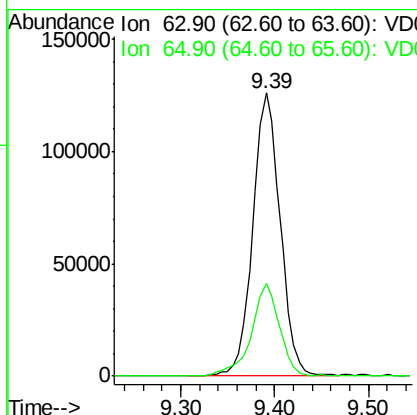
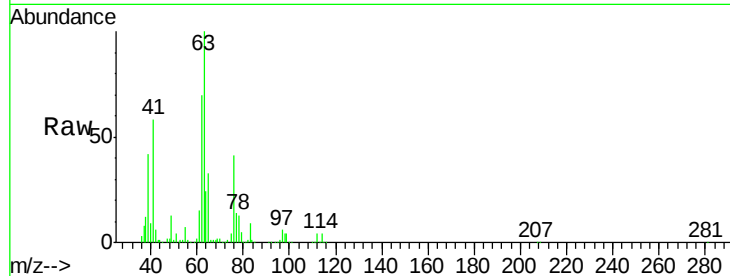
#45
 1,2-Dichloropropane
 Concen: 48.130 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065245.D
 Acq: 19 Feb 2020 18:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.4	24.9	37.3

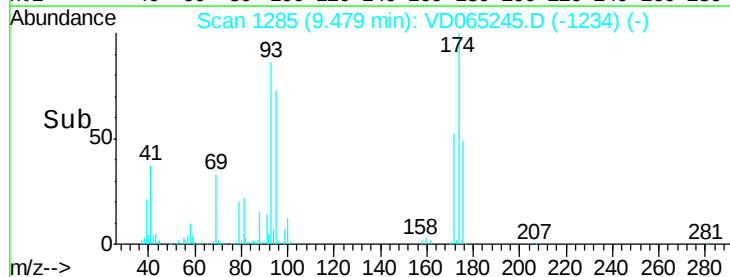
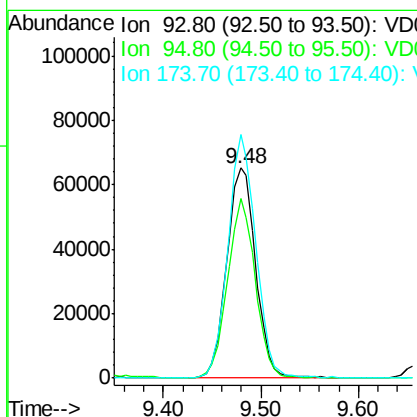
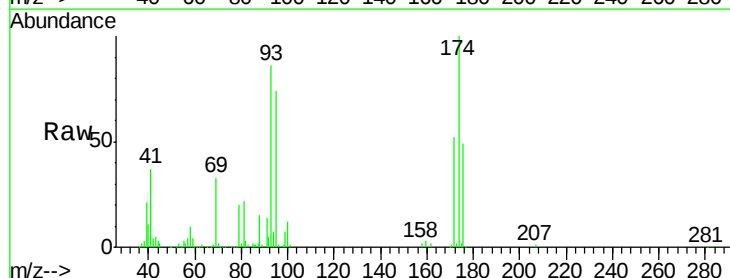
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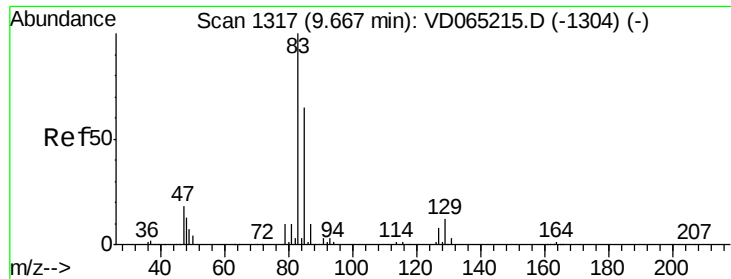
MMDadoda
 2/21/2020 5:25:46 PM



#46
 Dibromomethane
 Concen: 49.283 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065245.D
 Acq: 19 Feb 2020 18:16

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.1	65.8	98.6
174	111.8	86.8	130.2





#47

Bromodichloromethane

Concen: 47.962 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065245.D

Acq: 19 Feb 2020 18:16

Instrument :

MSVOA_D

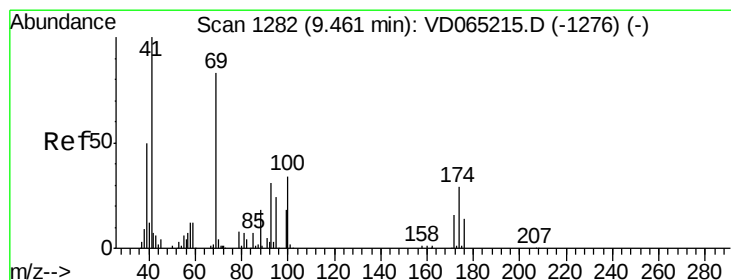
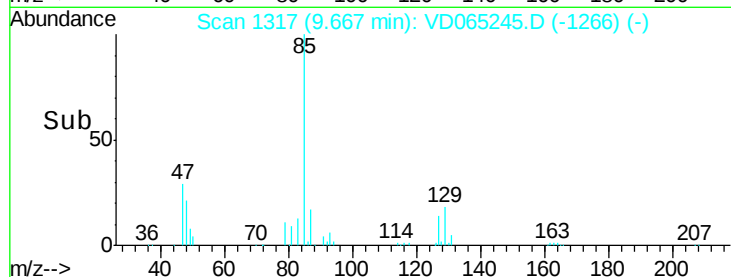
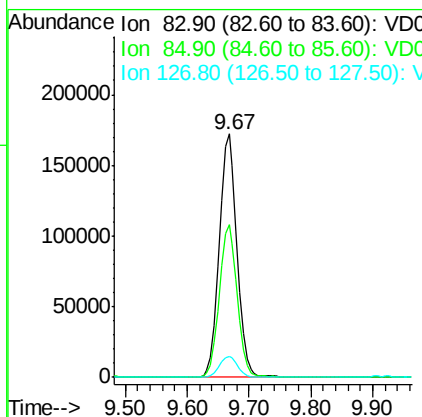
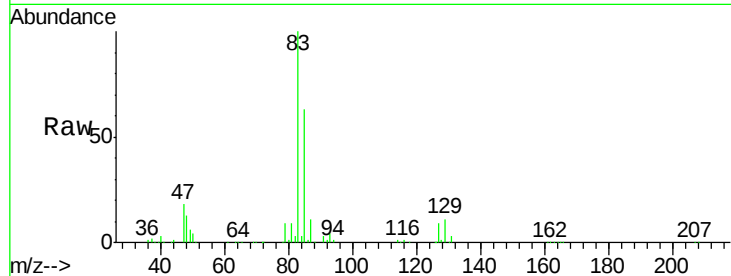
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	343778
Ion	Ratio	Lower	Upper
83	100		
85	62.8	52.0	78.0
127	8.6	6.7	10.1

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#48

Methyl methacrylate

Concen: 50.880 ug/l

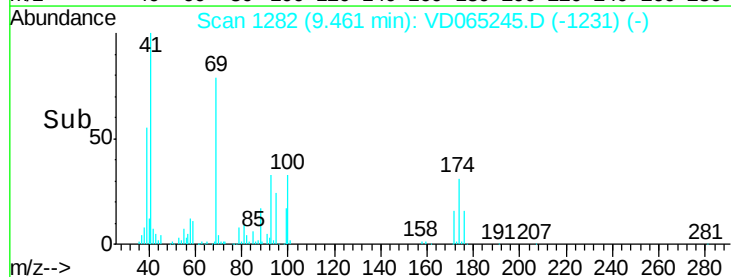
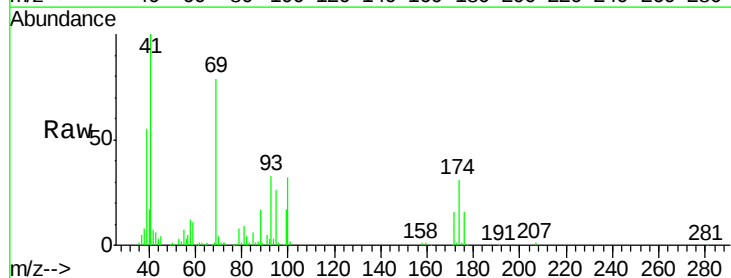
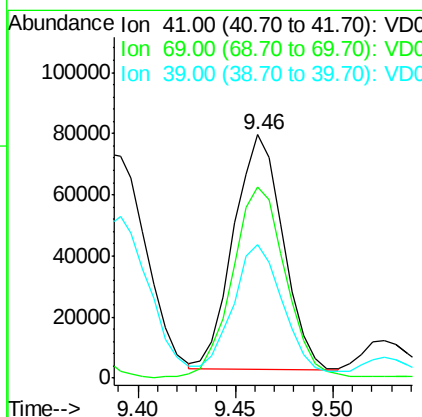
RT: 9.46 min Scan# 1282

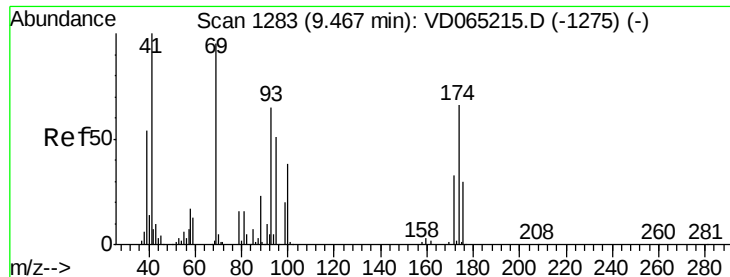
Delta R.T. 0.00 min

Lab File: VD065245.D

Acq: 19 Feb 2020 18:16

Tgt Ion:	41	Resp:	134655
Ion	Ratio	Lower	Upper
41	100		
69	87.9	68.2	102.2
39	52.8	42.0	63.0





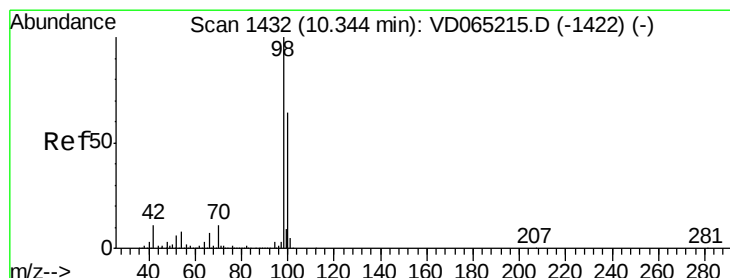
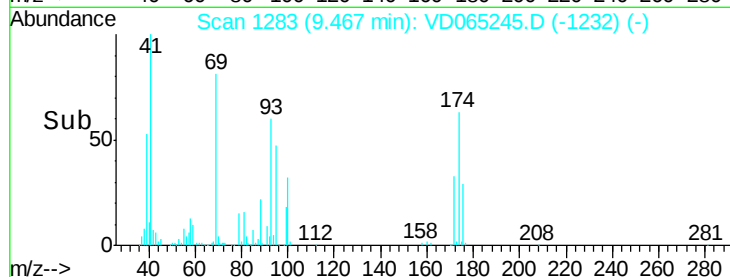
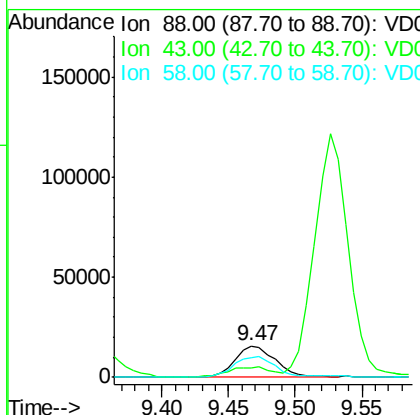
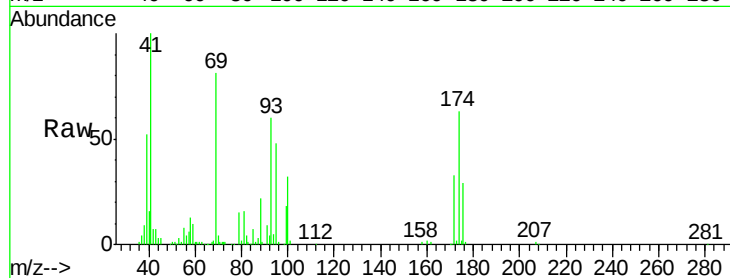
#49
1,4-Dioxane
Concen: 1033.648 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065245.D
Acq: 19 Feb 2020 18:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.1	28.5	42.7
58	68.3	58.6	87.8

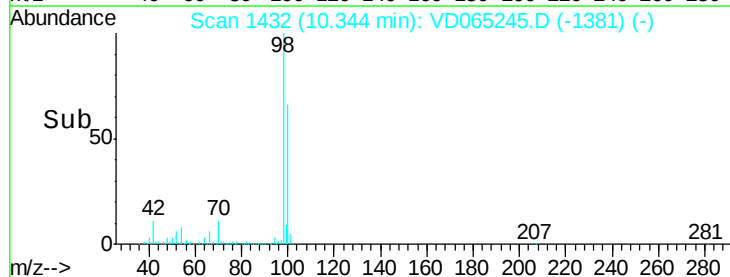
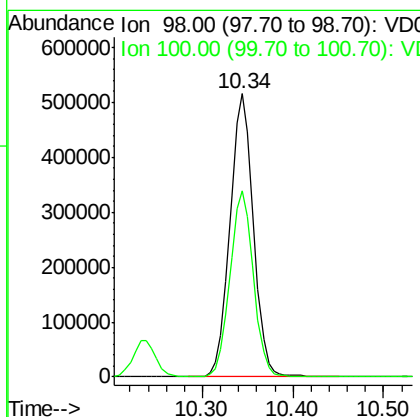
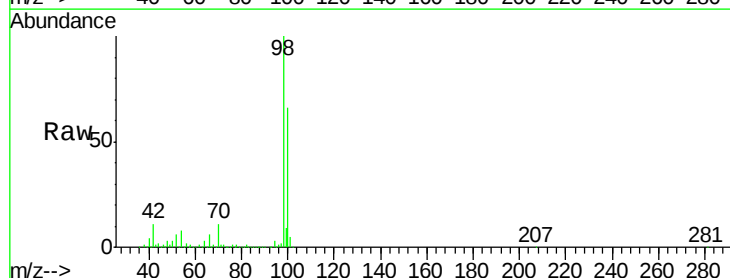
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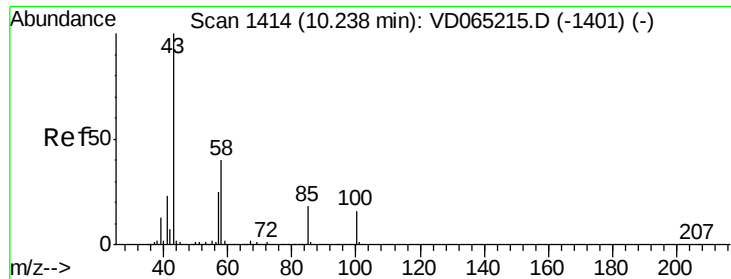
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#50
Toluene-d8
Concen: 51.447 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065245.D
Acq: 19 Feb 2020 18:16

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.0	78.0





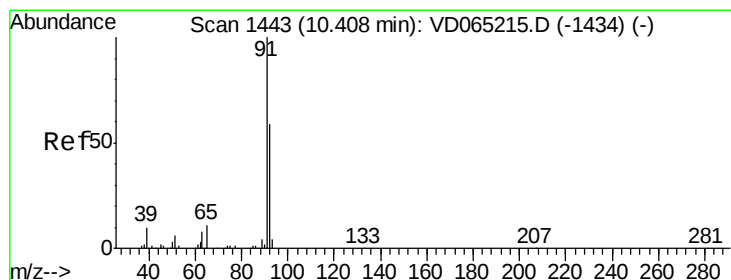
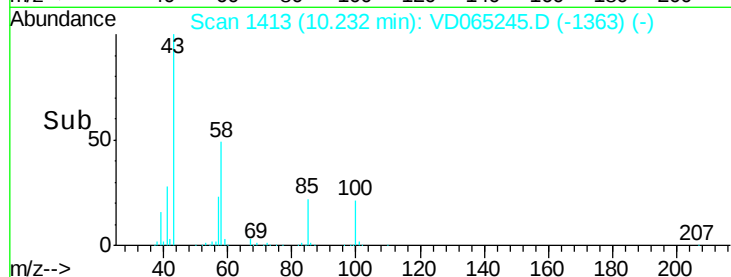
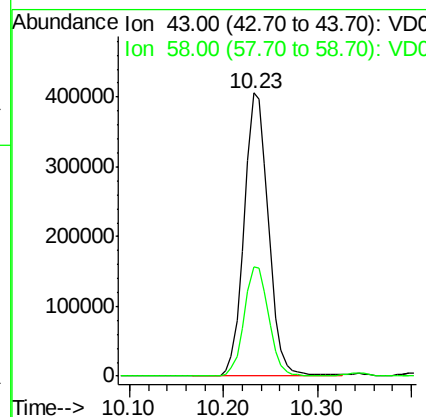
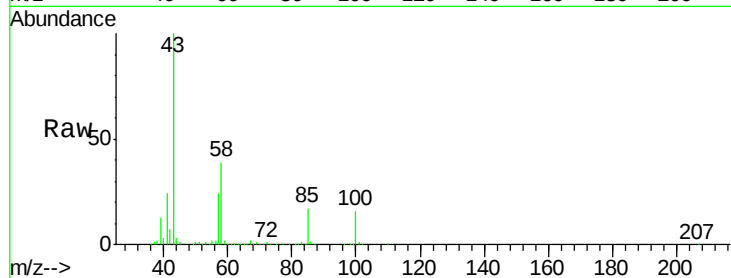
#51
4-Methyl-2-Pentanone
Concen: 250.961 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD065245.D
Acq: 19 Feb 2020 18:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.0	31.1	46.7

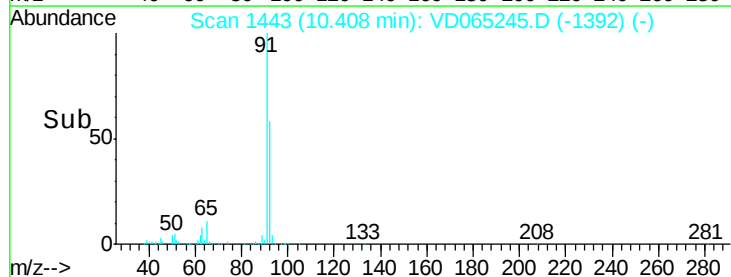
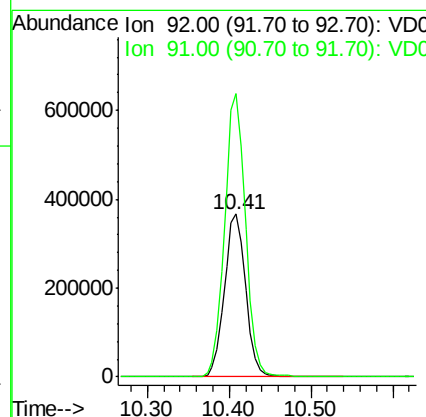
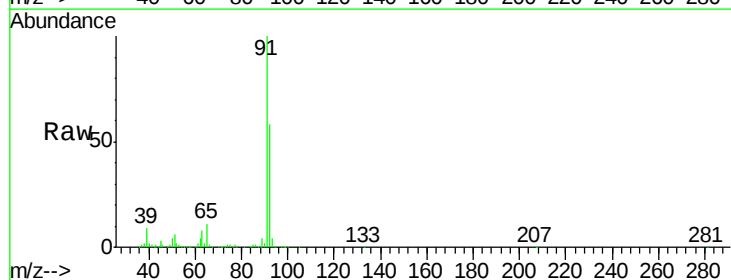
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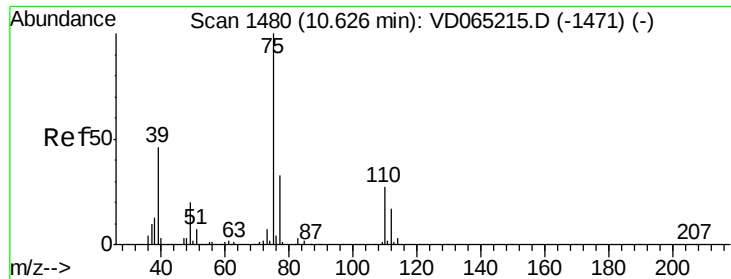
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#52
Toluene
Concen: 50.375 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD065245.D
Acq: 19 Feb 2020 18:16

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.7	136.3	204.5





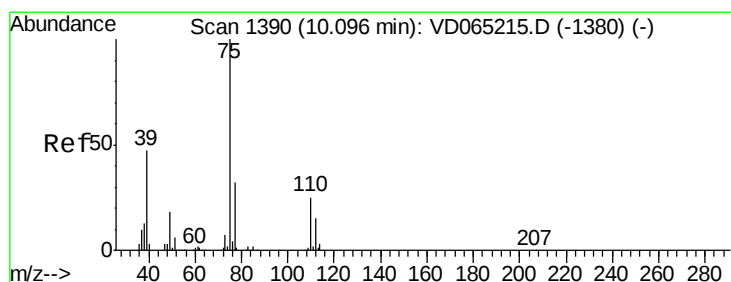
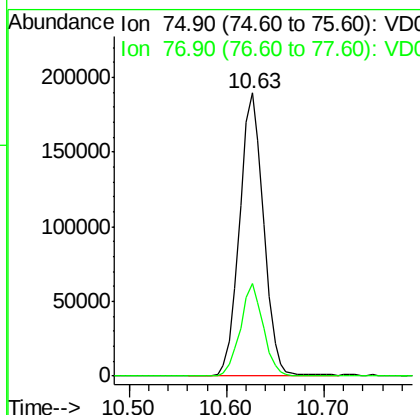
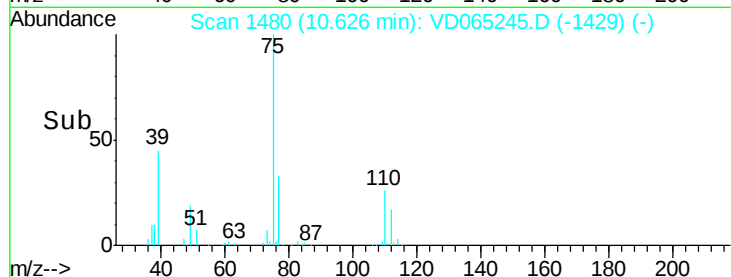
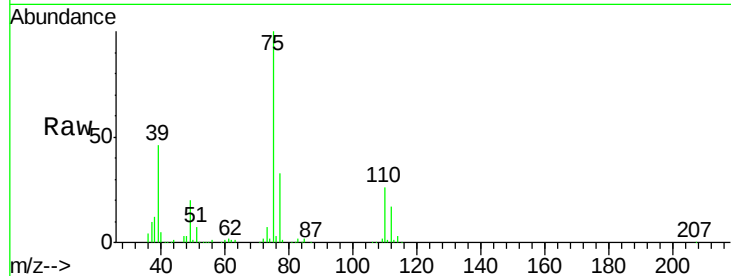
#53
 t-1,3-Dichloropropene
 Concen: 49.026 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: VD065245.D
 Acq: 19 Feb 2020 18:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 325724
 Ion Ratio Lower Upper
 75 100
 77 32.8 26.6 40.0

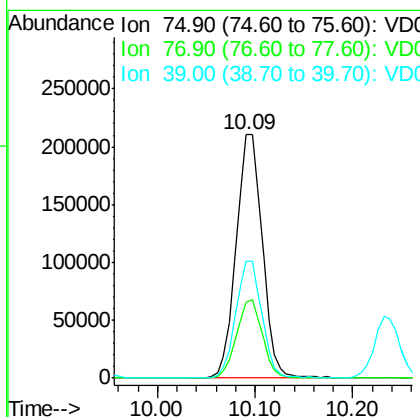
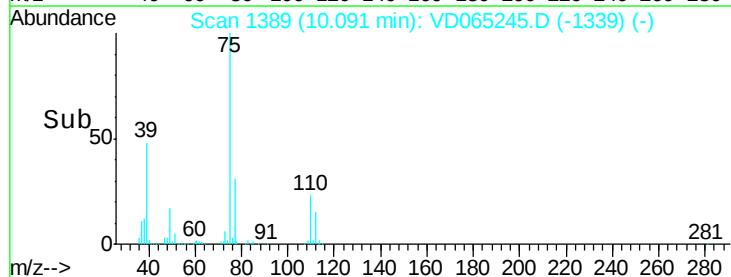
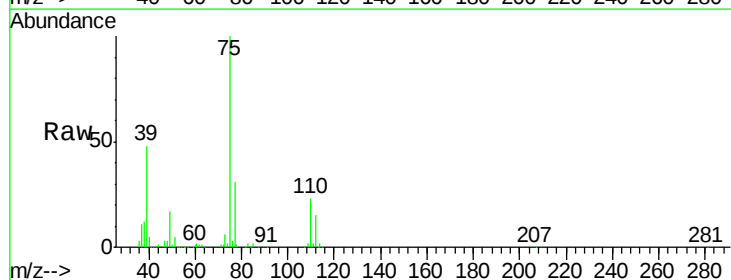
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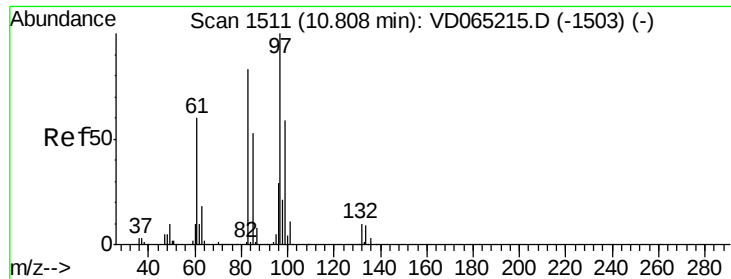
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#54
 cis-1,3-Dichloropropene
 Concen: 49.253 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. -0.01 min
 Lab File: VD065245.D
 Acq: 19 Feb 2020 18:16

Tgt Ion: 75 Resp: 395140
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.8 38.8
 39 48.0 37.3 55.9





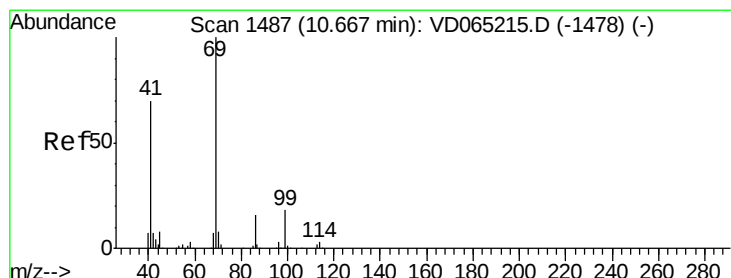
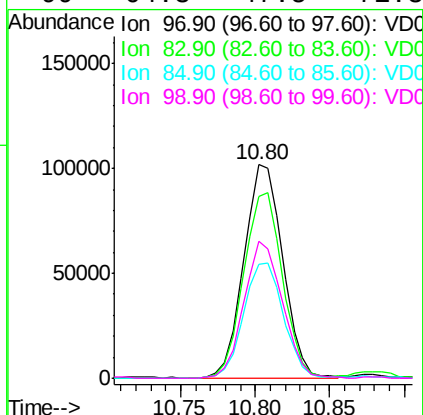
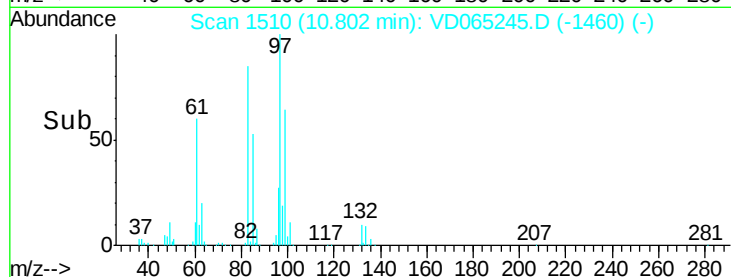
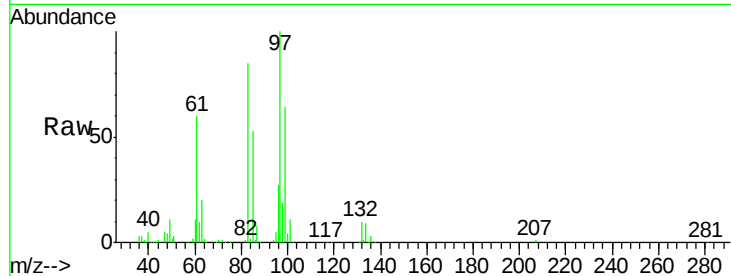
#55
 1,1,2-Trichloroethane
 Concen: 48.191 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065245.D
 Acq: 19 Feb 2020 18:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		184485		
83	85.3	66.7	100.1		
85	53.2	42.4	63.6		
99	64.3	47.5	71.3		

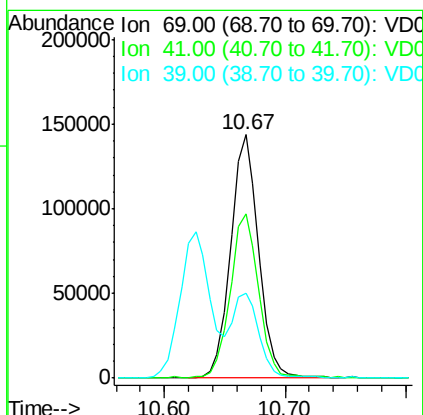
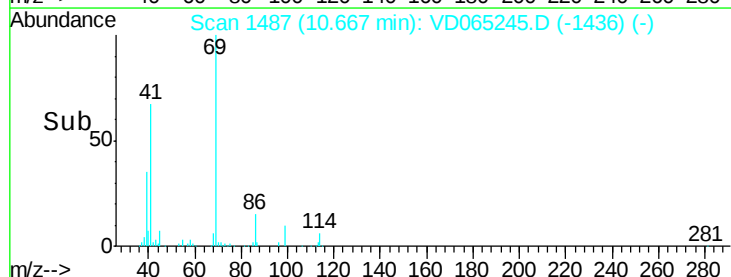
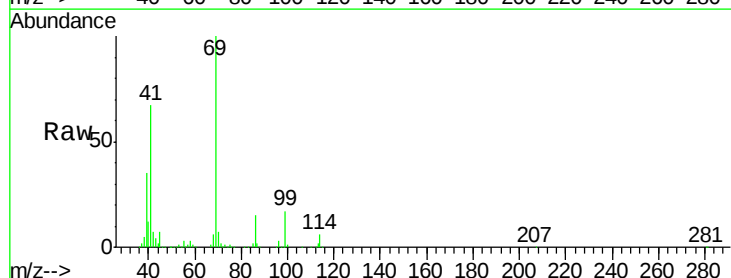
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#56
 Ethyl methacrylate
 Concen: 52.271 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065245.D
 Acq: 19 Feb 2020 18:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		230964		
41	68.2	54.6	81.8		
39	32.9	26.5	39.7		





#57

1,3-Dichloropropane

Concen: 49.591 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065245.D

Acq: 19 Feb 2020 18:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 323108

Ion Ratio Lower Upper

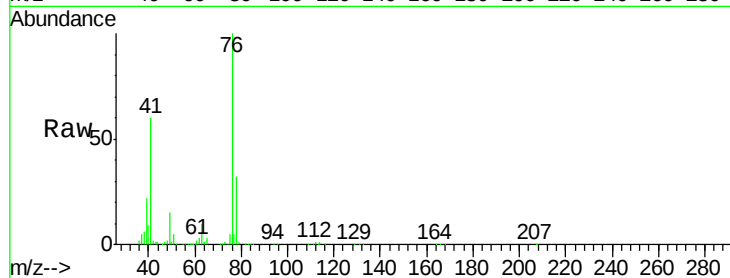
76 100

78 32.0 26.3 39.5

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.95

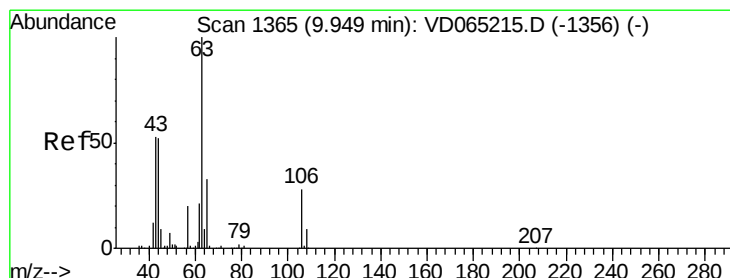
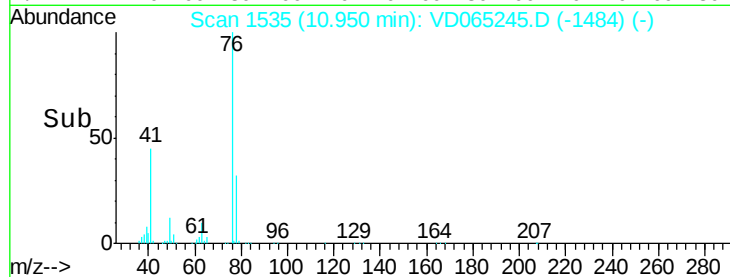
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 229.977 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD065245.D

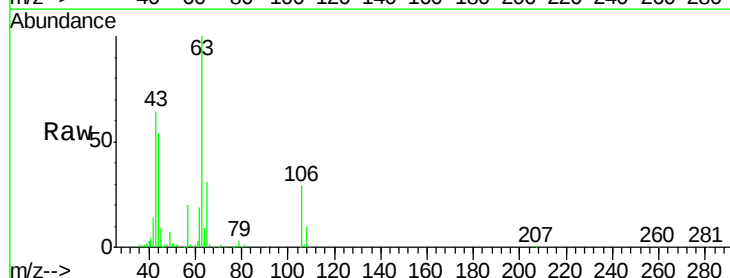
Acq: 19 Feb 2020 18:16

Tgt Ion: 63 Resp: 320370

Ion Ratio Lower Upper

63 100

106 28.5 22.8 34.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

9.95

200000

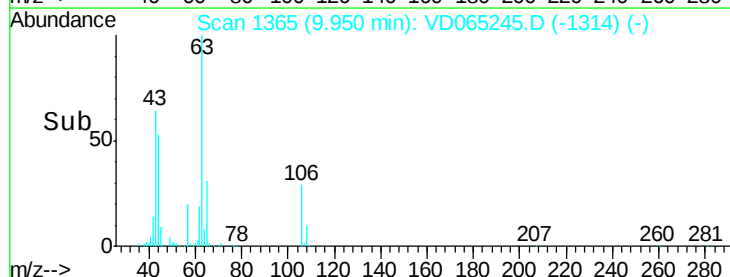
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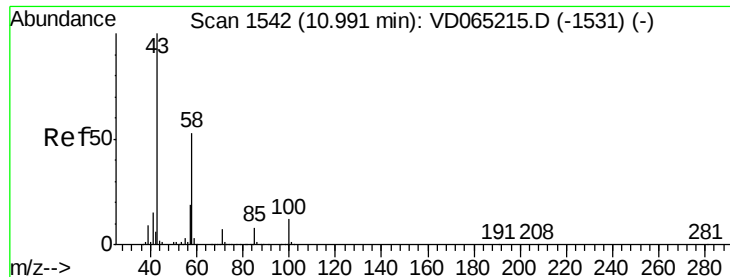
100000

50000

0

Time-->





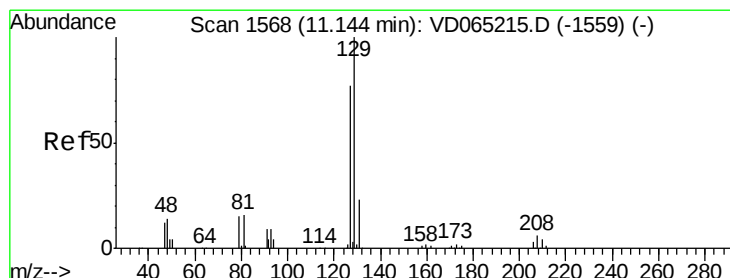
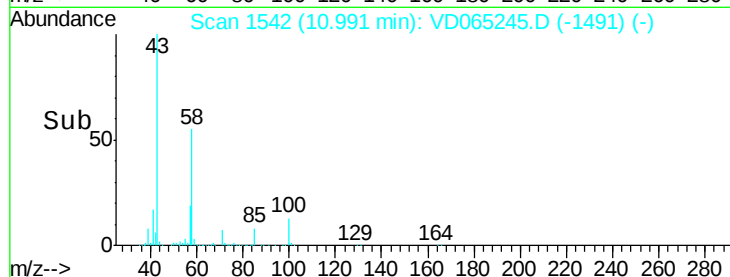
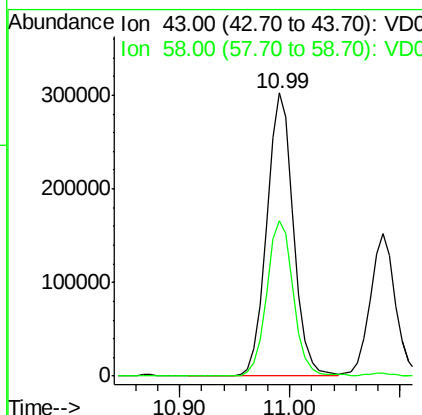
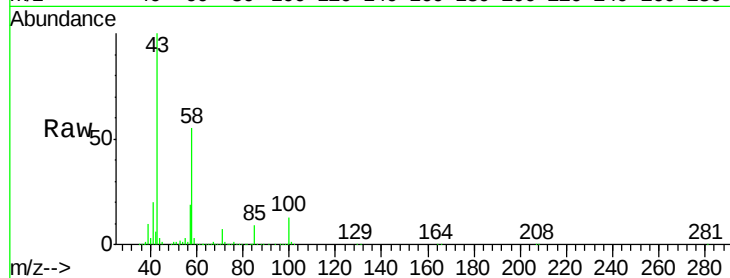
#59
2-Hexanone
Concen: 244.645 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065245.D
Acq: 19 Feb 2020 18:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.0	26.3	78.8

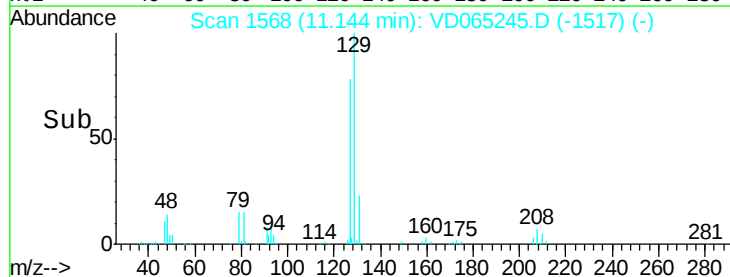
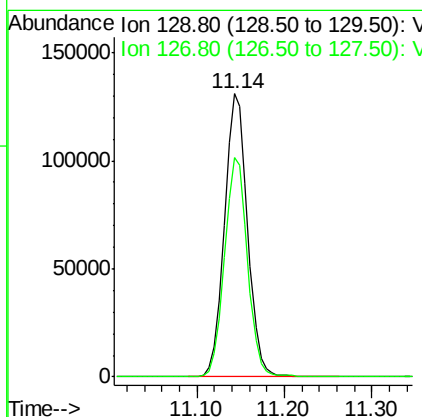
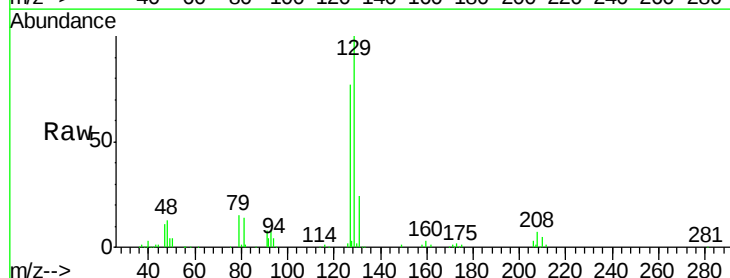
Manual Integrations
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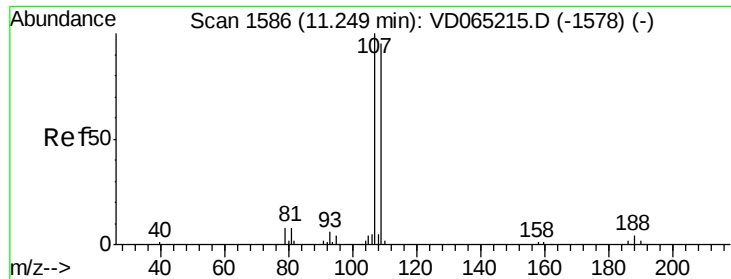
MMDadoda
2/21/2020 5:25:46 PM



#60
Dibromochloromethane
Concen: 48.411 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065245.D
Acq: 19 Feb 2020 18:16

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.7	116.1





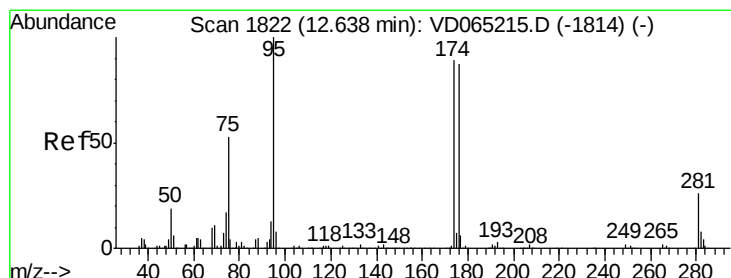
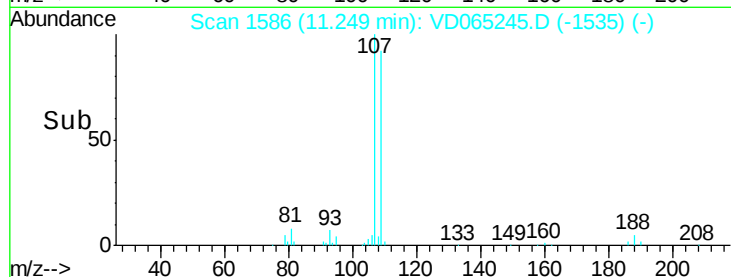
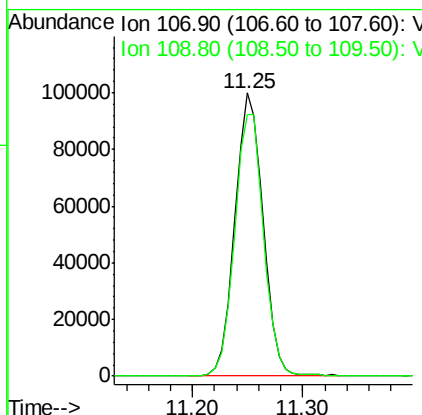
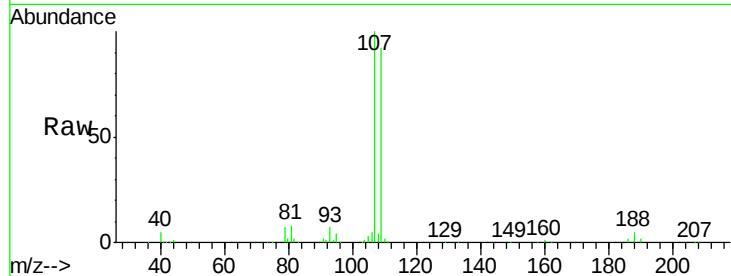
#61
 1,2-Dibromoethane
 Concen: 49.454 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065245.D
 Acq: 19 Feb 2020 18:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 107 Resp: 179249
 Ion Ratio Lower Upper
 107 100
 109 95.5 76.2 114.4

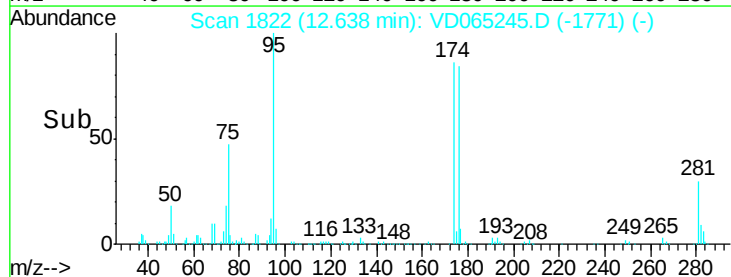
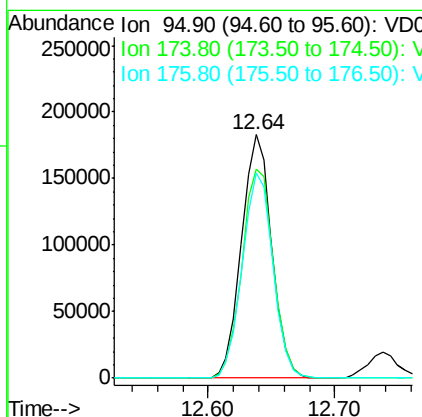
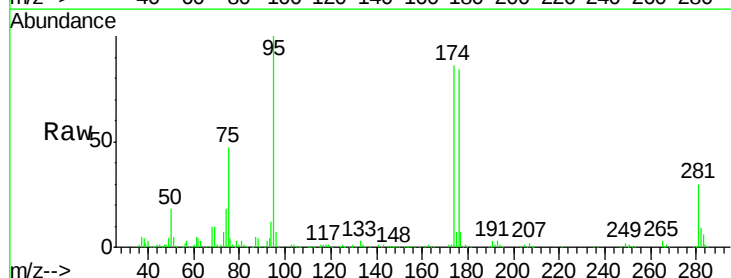
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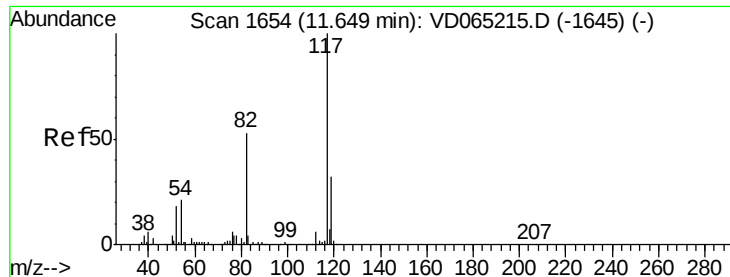
MMDadoda
 2/21/2020 5:25:46 PM



#62
 4-Bromofluorobenzene
 Concen: 52.938 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065245.D
 Acq: 19 Feb 2020 18:16

Tgt Ion: 95 Resp: 302592
 Ion Ratio Lower Upper
 95 100
 174 89.4 0.0 178.0
 176 85.6 0.0 174.4





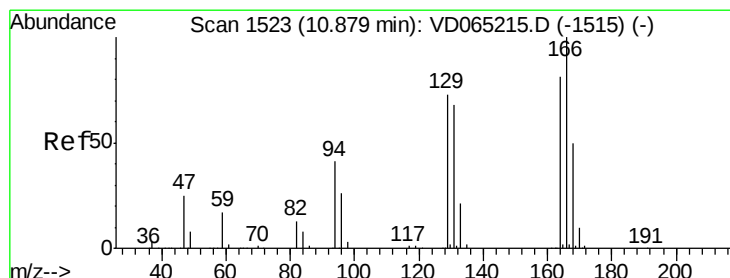
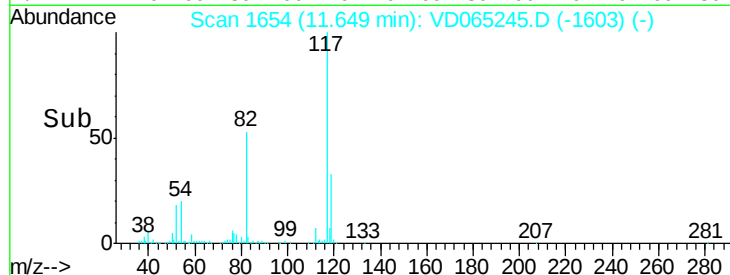
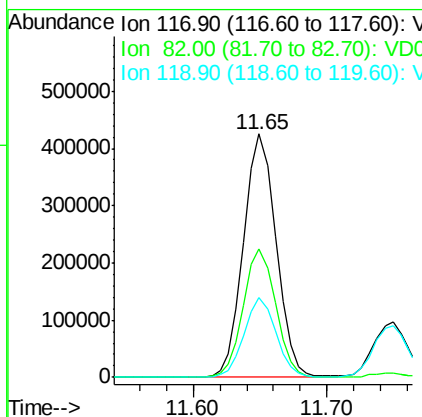
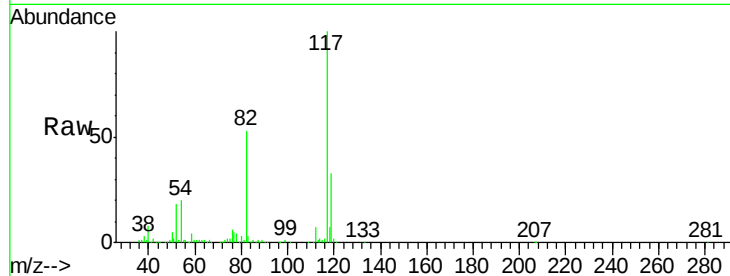
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065245.D
Acq: 19 Feb 2020 18:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.5	42.7	64.1
119	32.7	25.5	38.3

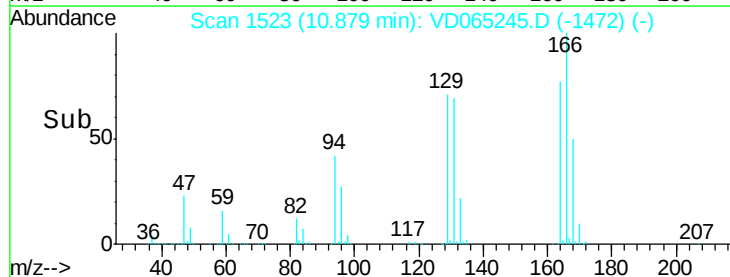
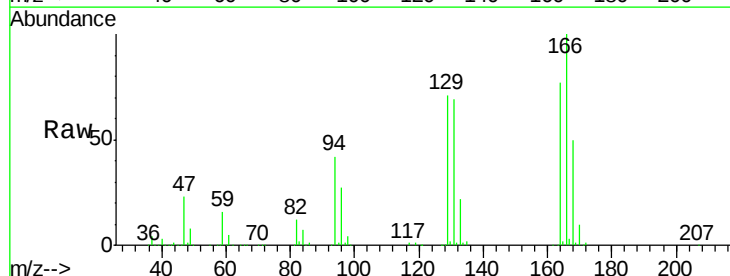
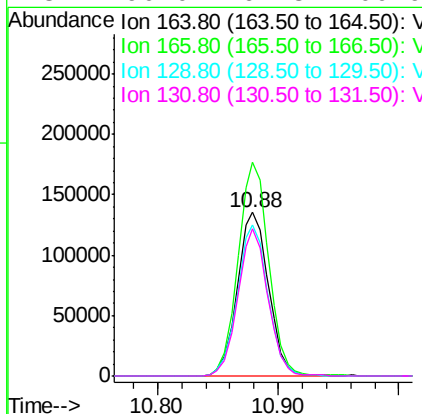
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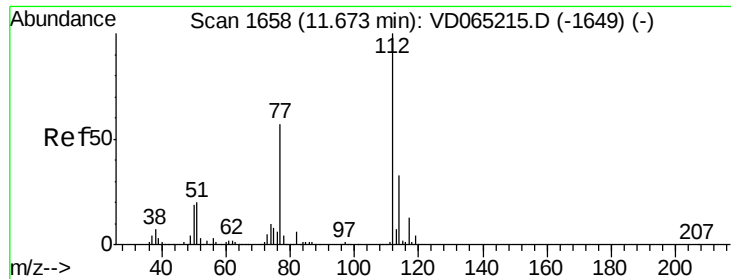
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#64
Tetrachloroethene
Concen: 47.623 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065245.D
Acq: 19 Feb 2020 18:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.5	98.4	147.6
129	92.7	71.6	107.4
131	90.0	67.3	100.9





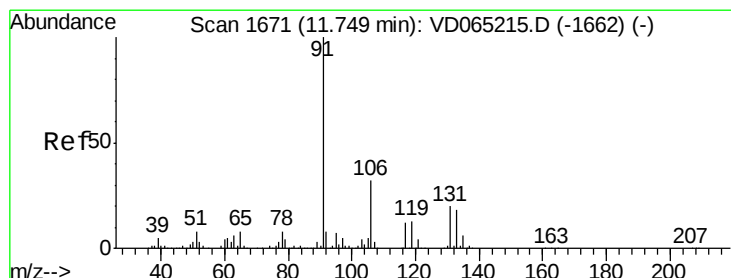
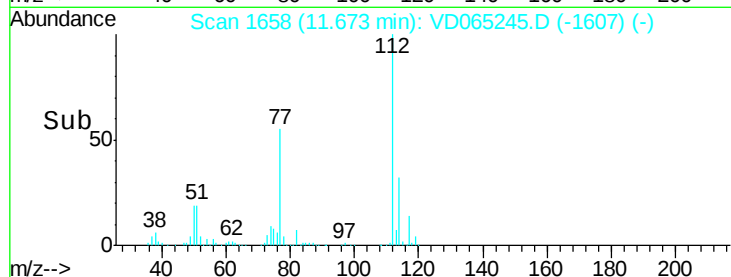
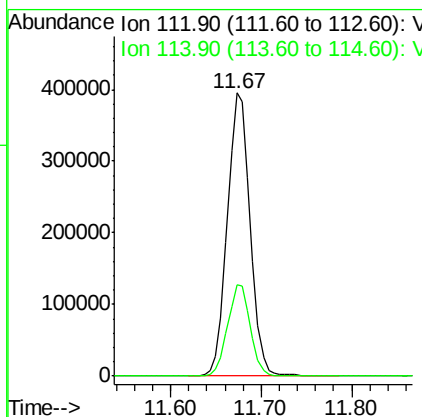
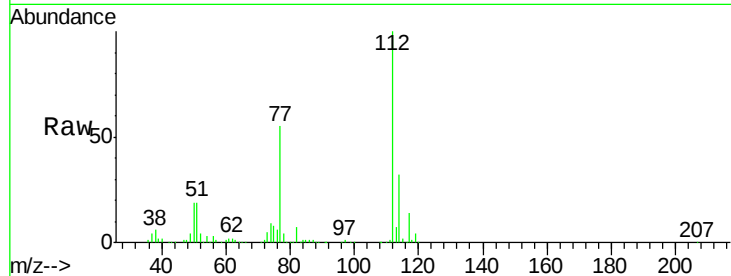
#65
Chlorobenzene
Concen: 47.688 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD065245.D
Acq: 19 Feb 2020 18:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.2	26.4	39.6

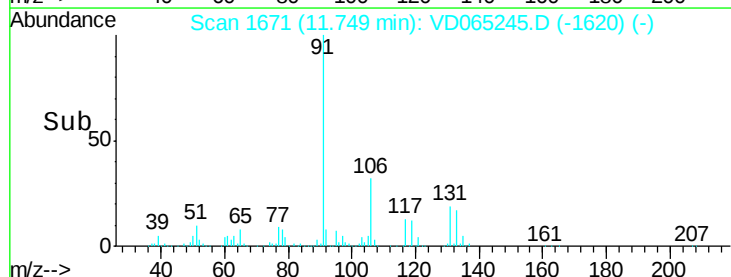
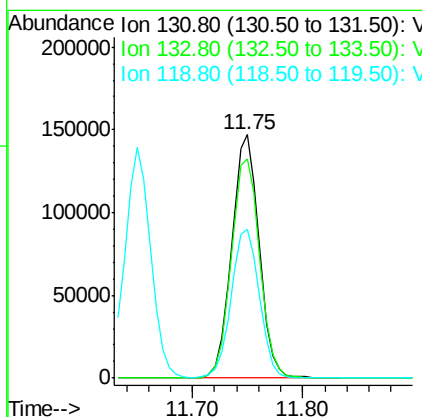
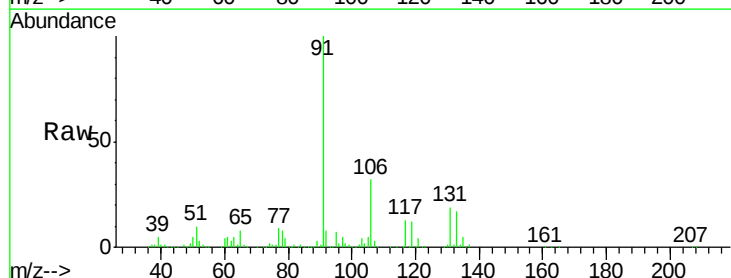
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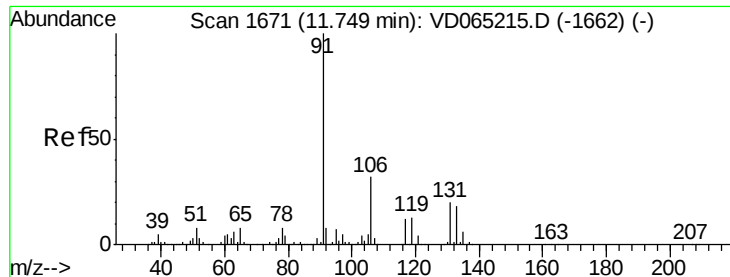
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#66
1,1,1,2-Tetrachloroethane
Concen: 47.358 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065245.D
Acq: 19 Feb 2020 18:16

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.8	47.7	143.1
119	63.5	32.7	98.1





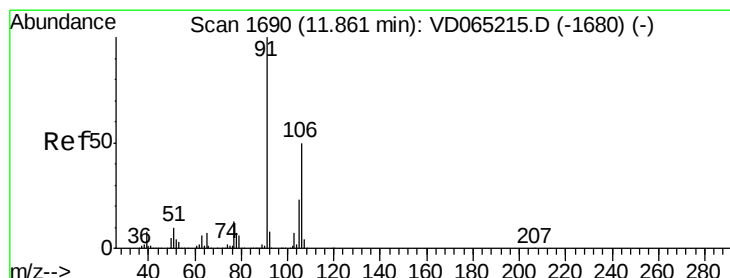
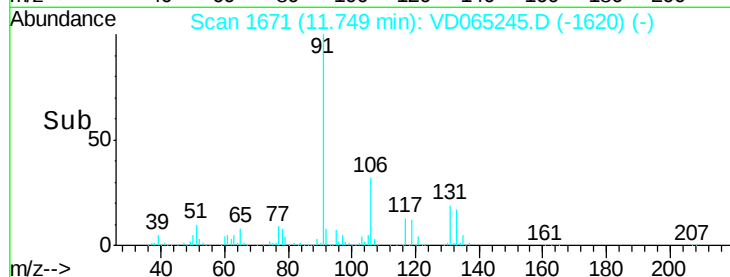
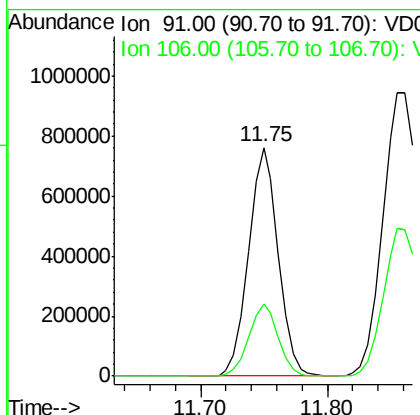
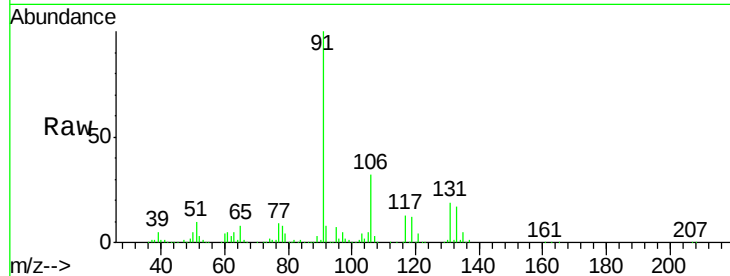
#67
Ethyl Benzene
Concen: 48.789 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065245.D
Acq: 19 Feb 2020 18:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1236918
Ion Ratio Lower Upper
91 100
106 31.5 25.2 37.8

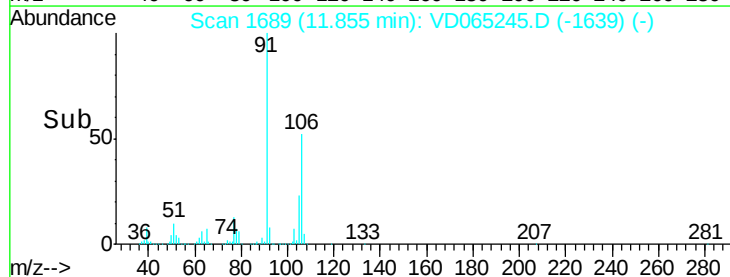
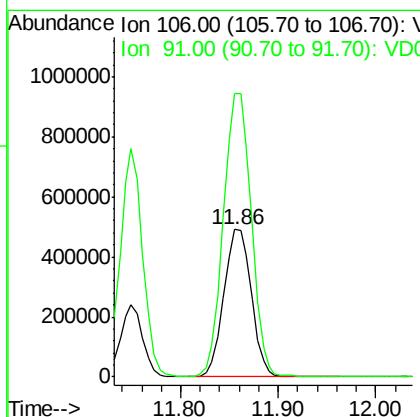
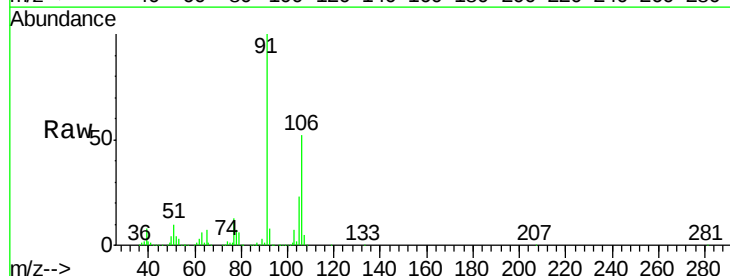
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#68
m/p-Xylenes
Concen: 98.939 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VD065245.D
Acq: 19 Feb 2020 18:16

Tgt Ion: 106 Resp: 959672
Ion Ratio Lower Upper
106 100
91 195.0 158.2 237.4





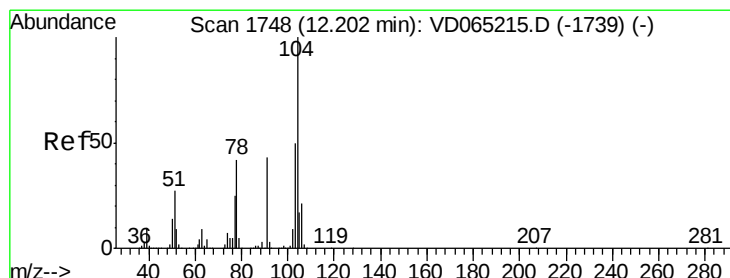
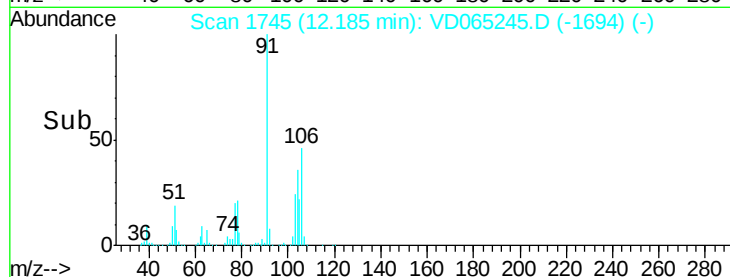
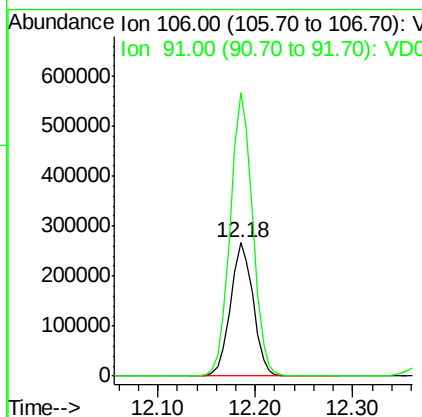
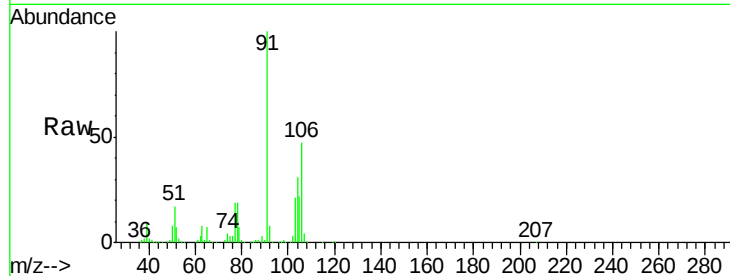
#69
o-Xylene
Concen: 49.978 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065245.D
Acq: 19 Feb 2020 18:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	91	210.2	104.7	313.9

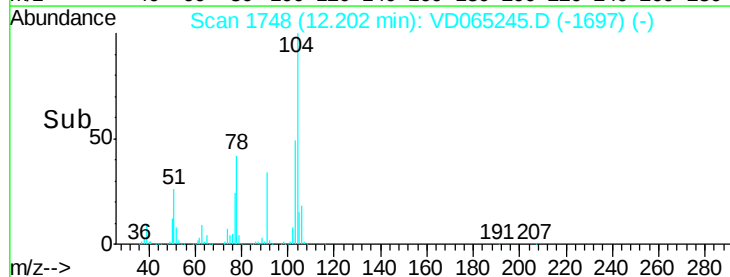
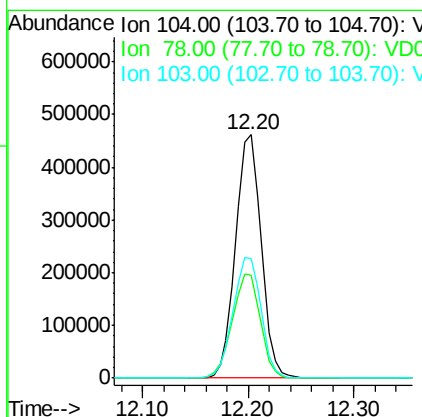
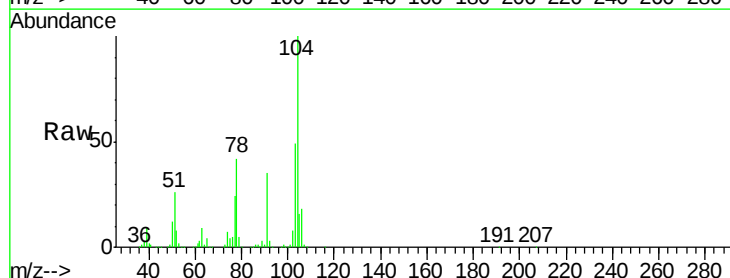
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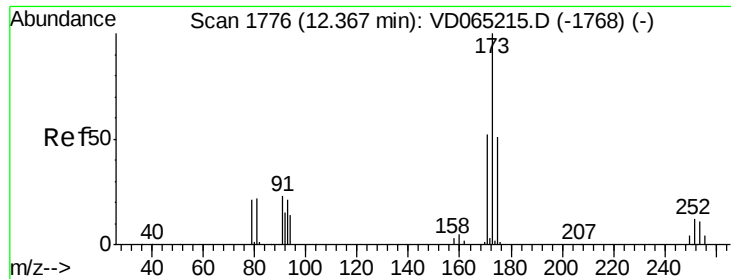
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#70
Styrene
Concen: 50.860 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065245.D
Acq: 19 Feb 2020 18:16

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	78	46.6	37.8	56.6
103	103	54.2	43.4	65.2





#71

Bromoform

Concen: 46.697 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065245.D

Acq: 19 Feb 2020 18:16

Instrument :

MSVOA_D

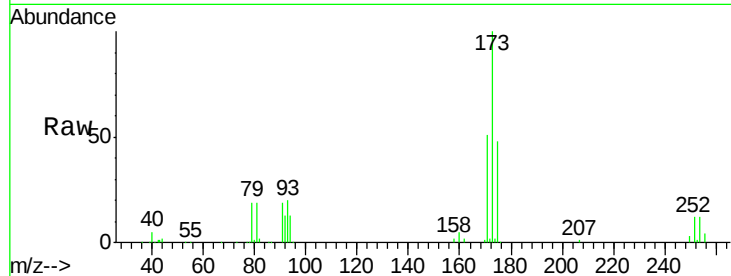
ClientSampleId :

VSTDCCC050EC

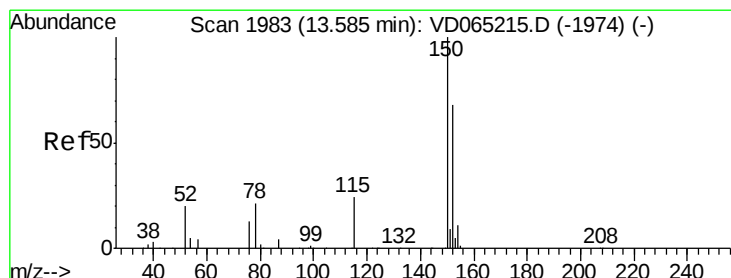
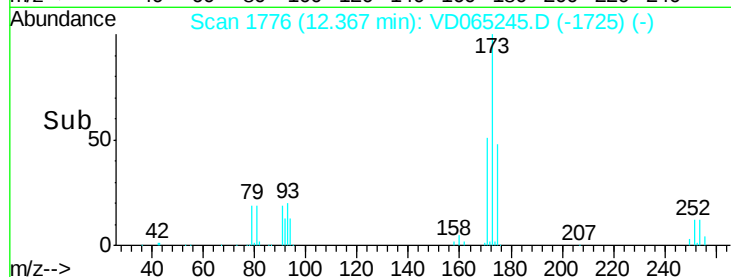
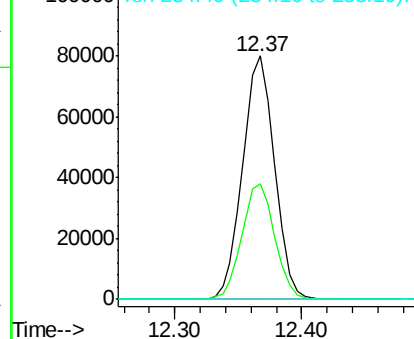
Tot Ion:	173	Resp:	139977
Ion Ratio	Lower	Upper	
173	100		
175	48.6	24.4	73.4
254	0.0	0.0	0.0

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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

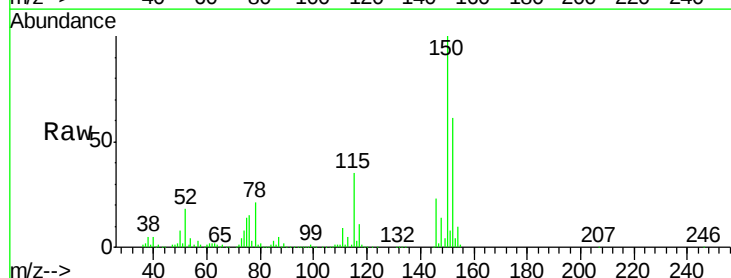
RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

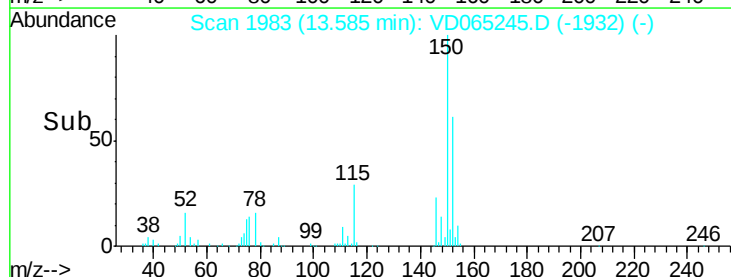
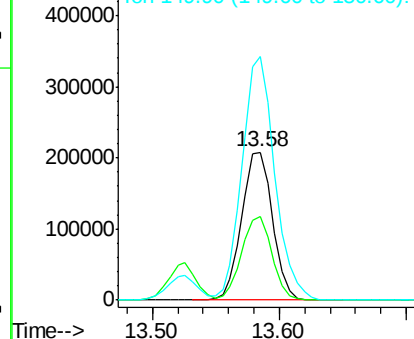
Lab File: VD065245.D

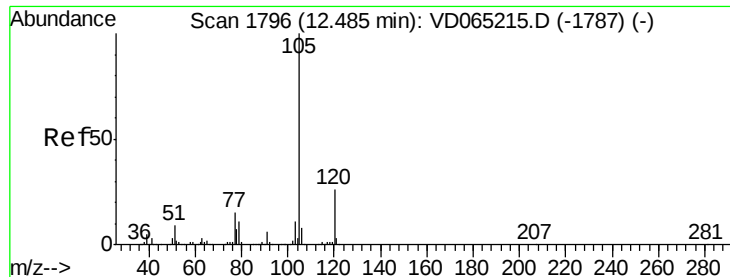
Acq: 19 Feb 2020 18:16

Tgt Ion:	152	Resp:	349856
Ion Ratio	Lower	Upper	
152	100		
115	56.1	27.6	82.8
150	174.8	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: 50.320 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065245.D

Acq: 19 Feb 2020 18:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1165514

Ion Ratio Lower Upper

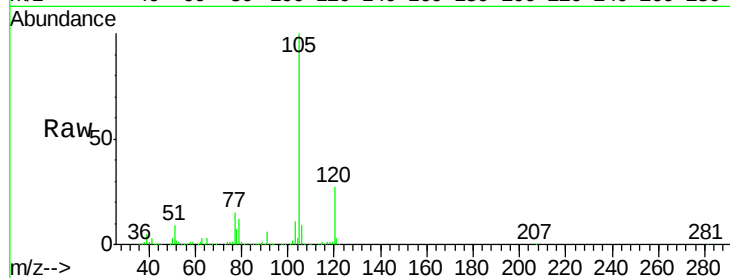
105 100

120 26.8 13.3 39.9

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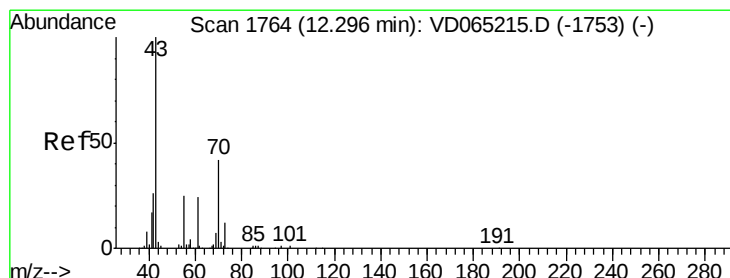
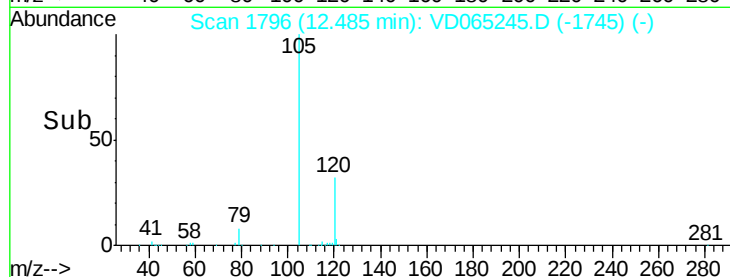
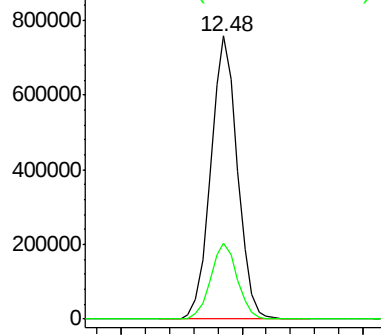
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 48.832 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065245.D

Acq: 19 Feb 2020 18:16

Tgt Ion: 43 Resp: 251327

Ion Ratio Lower Upper

43 100

70 44.4 33.7 50.5

55 27.8 20.7 31.1

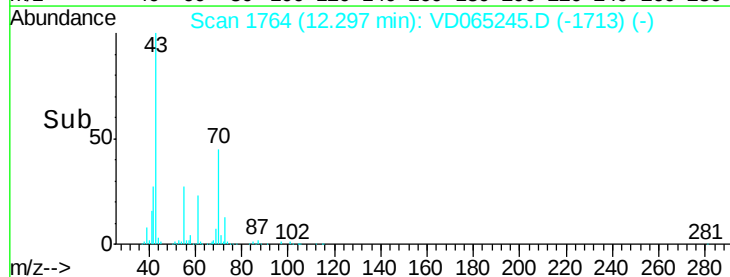
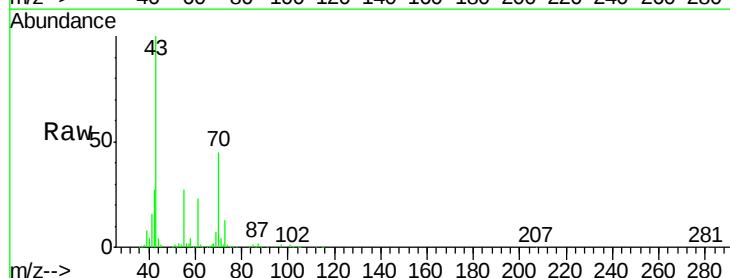
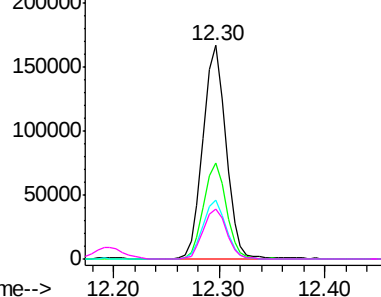
61 24.1 19.0 28.4

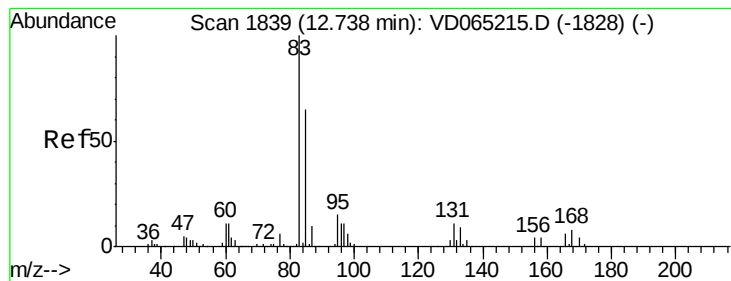
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 48.040 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065245.D

Acq: 19 Feb 2020 18:16

Instrument :

MSVOA_D

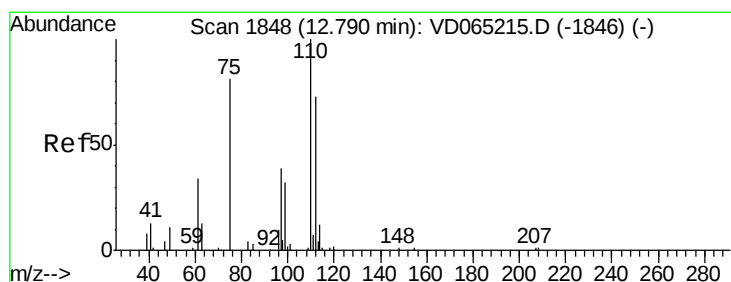
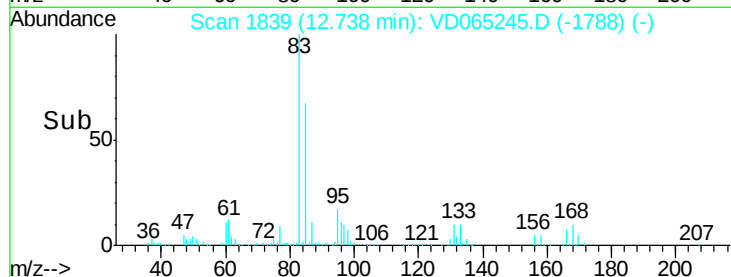
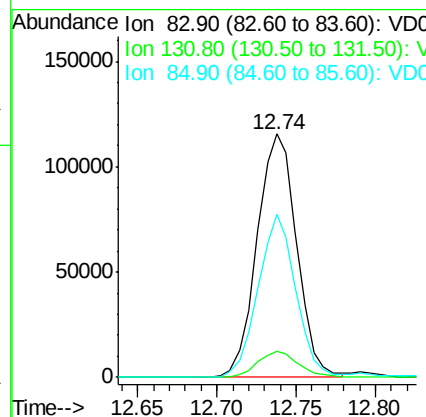
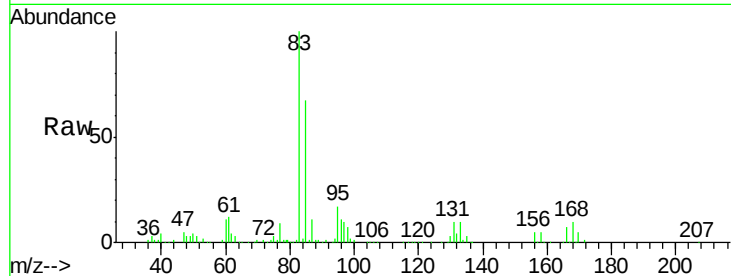
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	200819
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.4	16.2
85	63.9	31.6	94.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 42.558 ug/l m

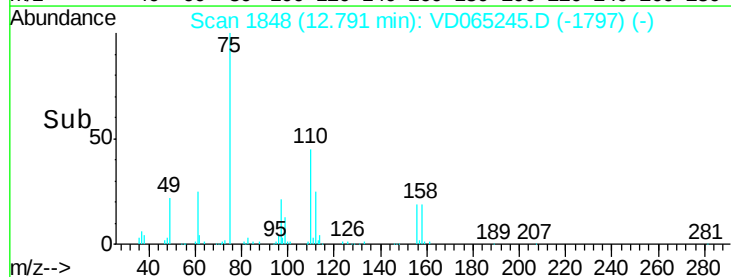
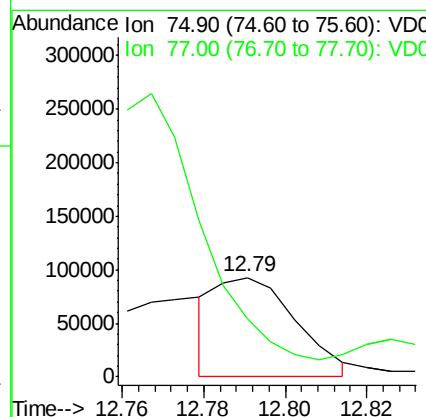
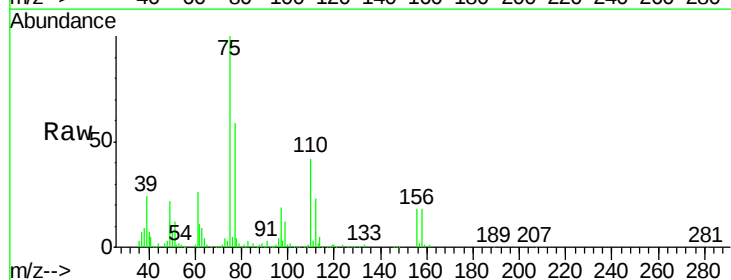
RT: 12.79 min Scan# 1848

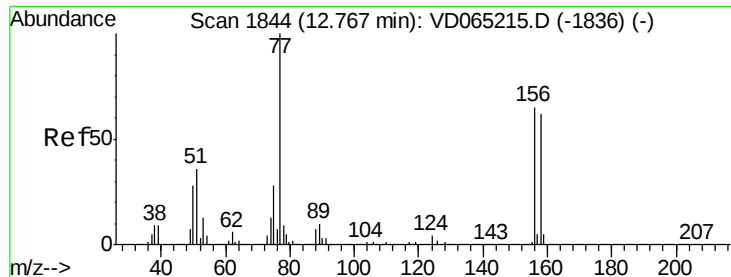
Delta R.T. 0.00 min

Lab File: VD065245.D

Acq: 19 Feb 2020 18:16

Tgt Ion:	75	Resp:	126682
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.647 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065245.D

Acq: 19 Feb 2020 18:16

Instrument :

MSVOA_D

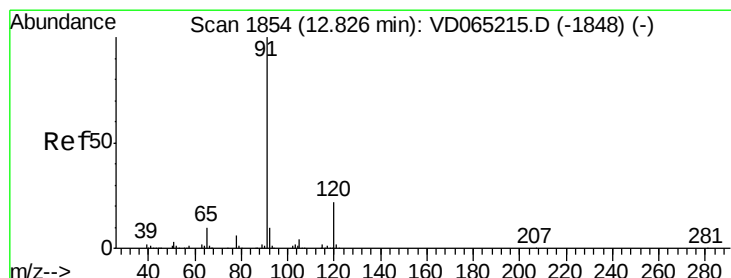
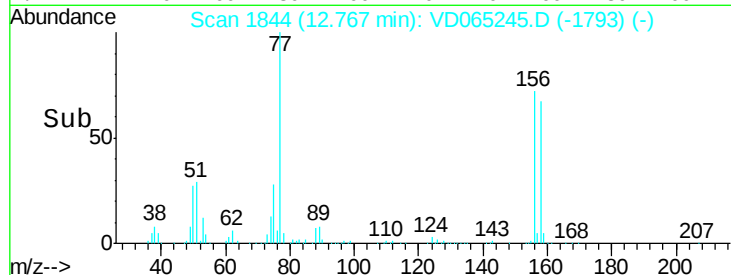
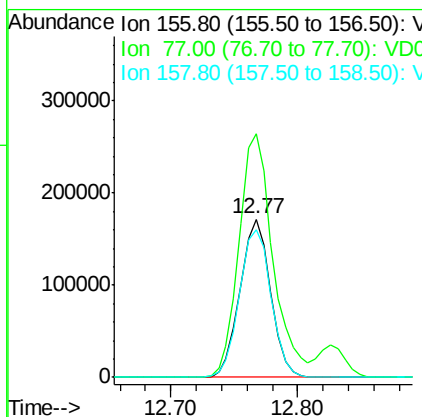
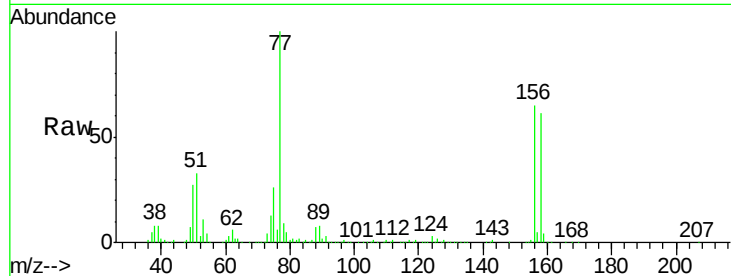
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	285549
Ion Ratio	Lower	Upper	
156	100		
77	172.3	86.6	259.7
158	97.6	48.1	144.3

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#78

n-propylbenzene

Concen: 49.999 ug/l

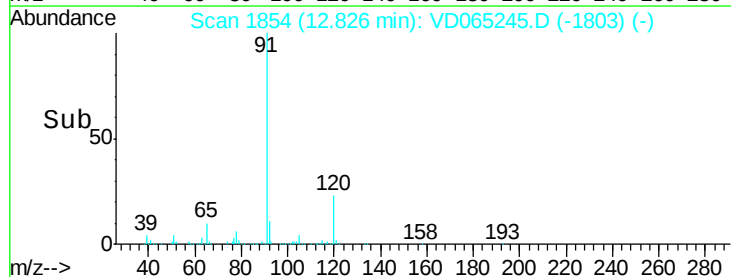
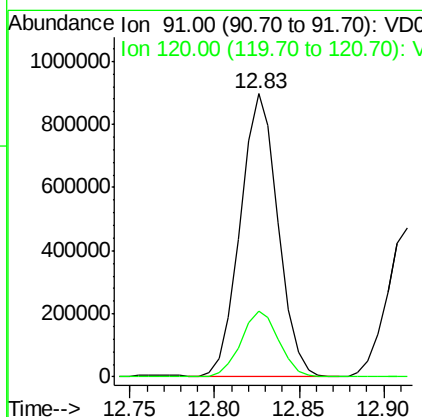
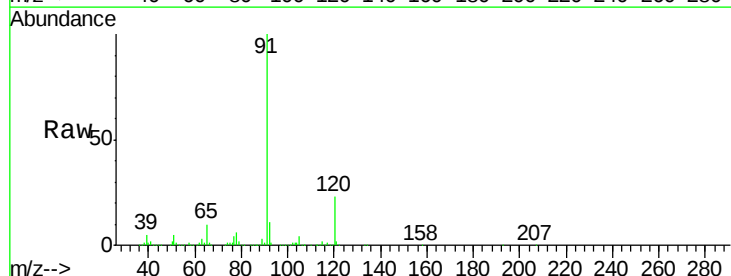
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065245.D

Acq: 19 Feb 2020 18:16

Tgt Ion:	91	Resp:	1391684
Ion Ratio	Lower	Upper	
91	100		
120	23.4	11.5	34.5





#79

2-Chlorotoluene

Concen: 49.633 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065245.D

Acq: 19 Feb 2020 18:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 773928

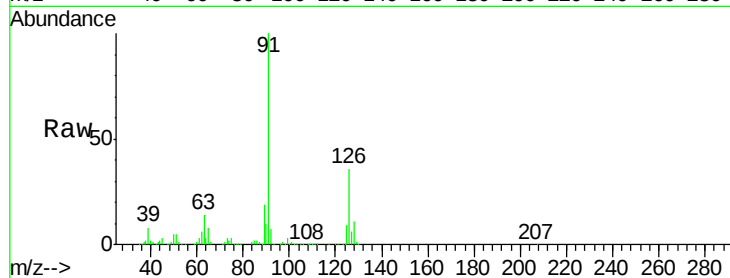
Ion Ratio Lower Upper

91 100

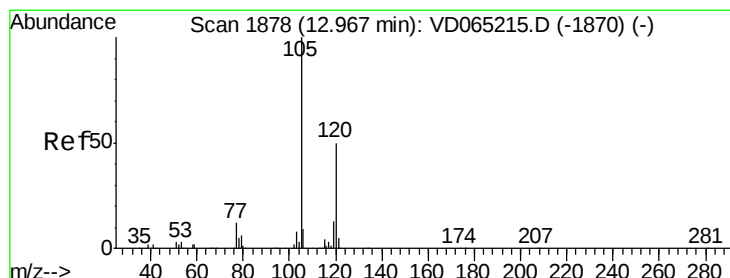
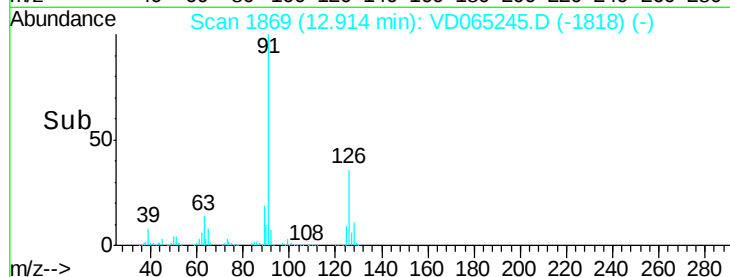
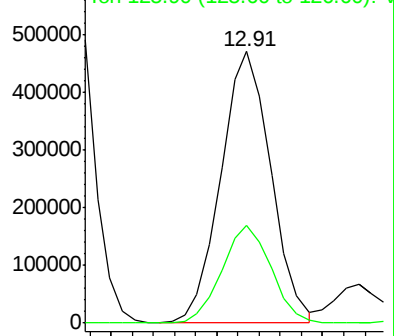
126 35.5 17.5 52.6

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Abundance Ion 91.00 (90.70 to 91.70): VD065215.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 51.060 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065245.D

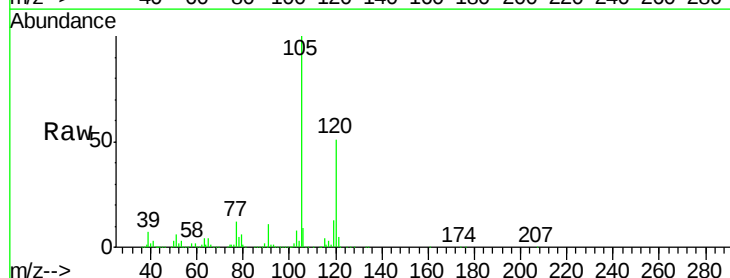
Acq: 19 Feb 2020 18:16

Tgt Ion: 105 Resp: 974074

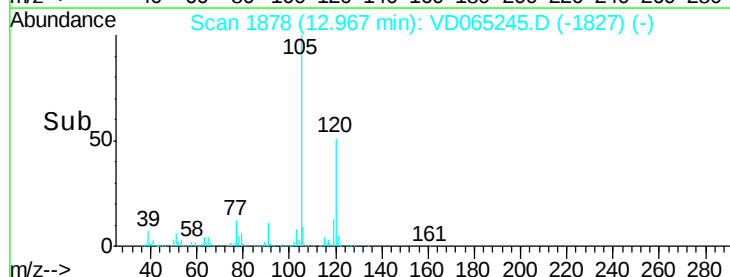
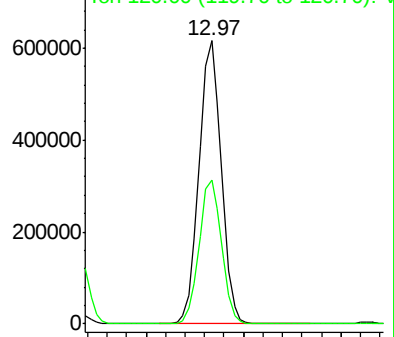
Ion Ratio Lower Upper

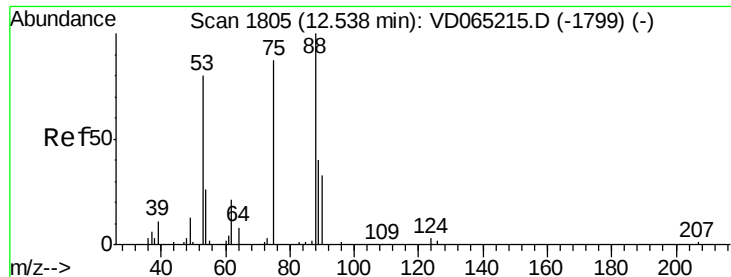
105 100

120 51.2 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): VD065215.D (-1870) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 46.322 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD065245.D

Acq: 19 Feb 2020 18:16

Instrument :

MSVOA_D

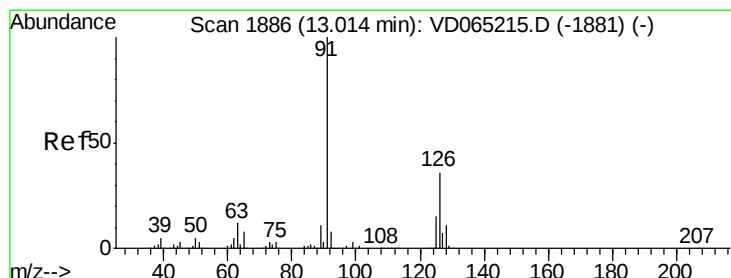
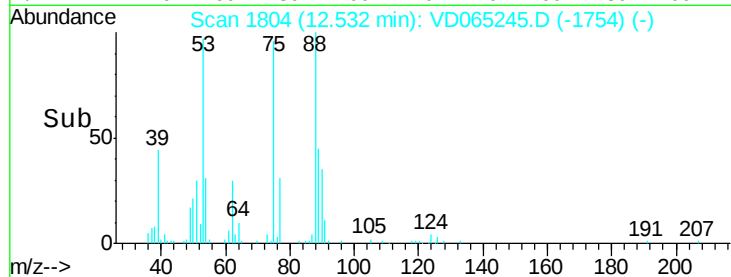
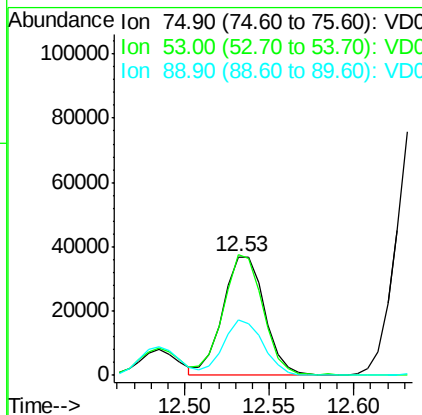
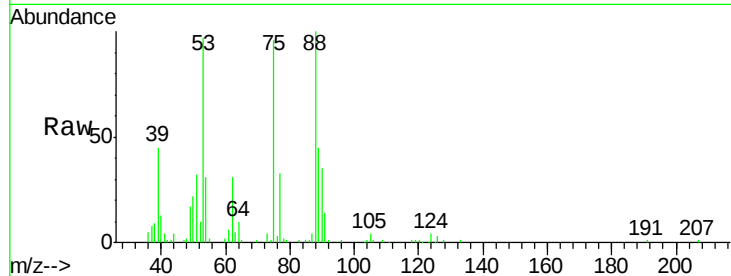
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	63861
Ion	Ratio	Lower	Upper
75	100		
53	97.1	77.6	116.4
89	44.6	37.2	55.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 49.833 ug/l

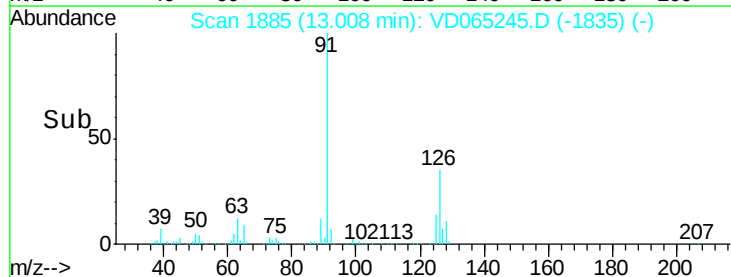
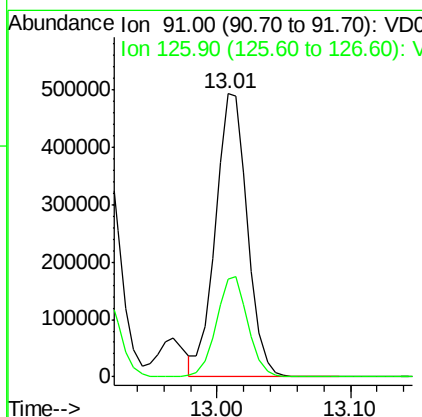
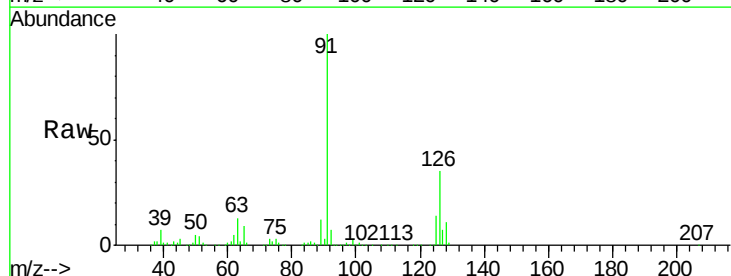
RT: 13.01 min Scan# 1885

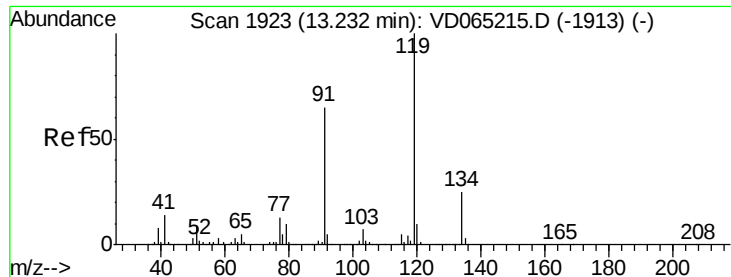
Delta R.T. -0.01 min

Lab File: VD065245.D

Acq: 19 Feb 2020 18:16

Tgt Ion:	91	Resp:	824949
Ion	Ratio	Lower	Upper
91	100		
126	34.9	17.4	52.3





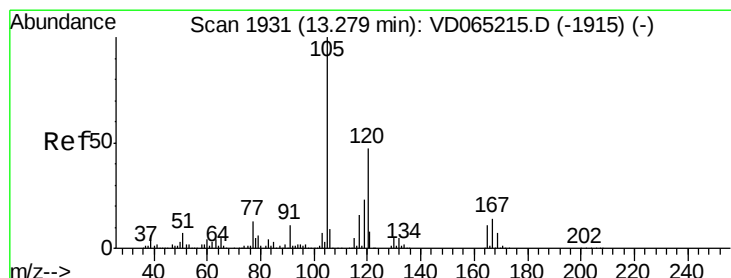
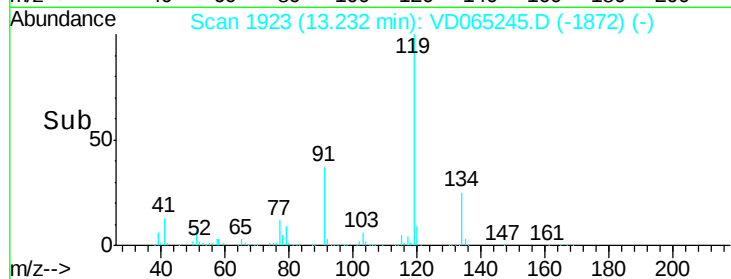
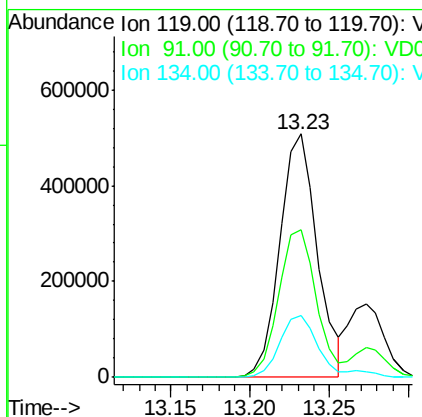
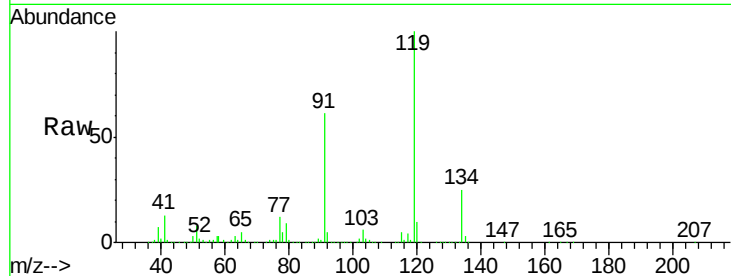
#83
tert-Butylbenzene
Concen: 51.895 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065245.D
Acq: 19 Feb 2020 18:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.0	31.9	95.5
134	27.5	13.8	41.3

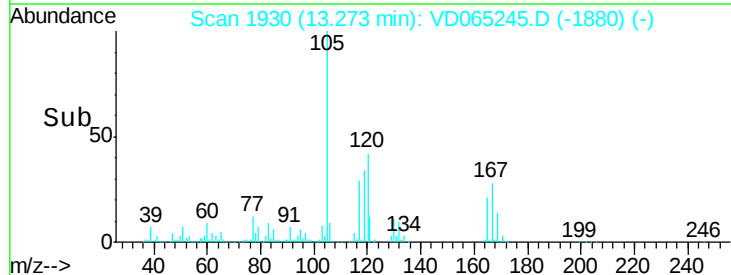
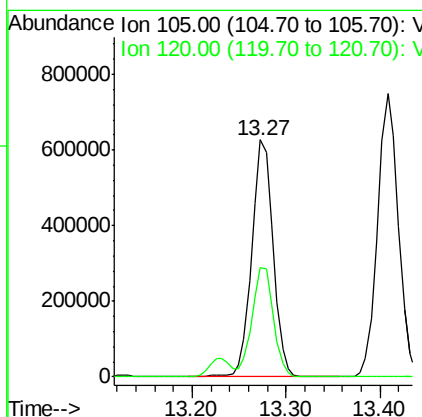
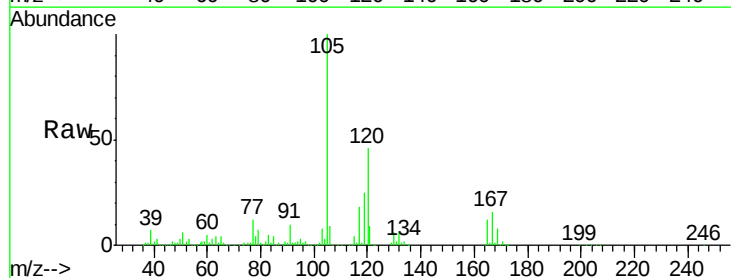
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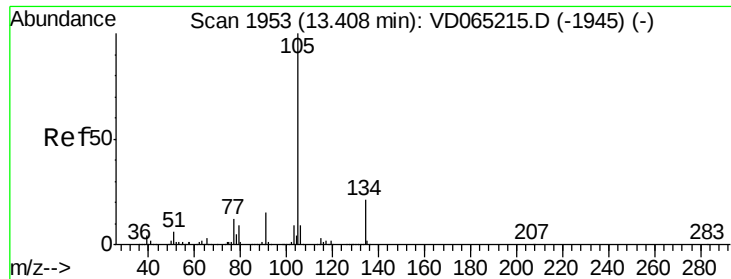
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#84
1,2,4-Trimethylbenzene
Concen: 51.517 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.01 min
Lab File: VD065245.D
Acq: 19 Feb 2020 18:16

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	23.3	69.9





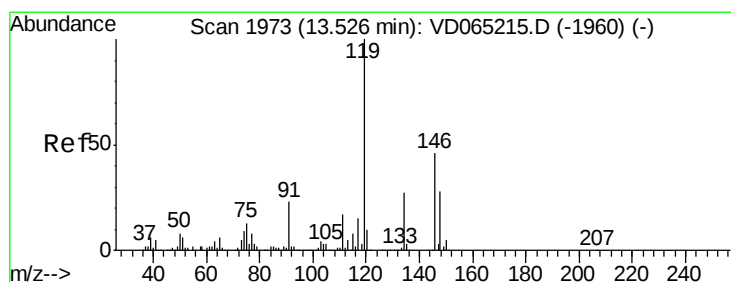
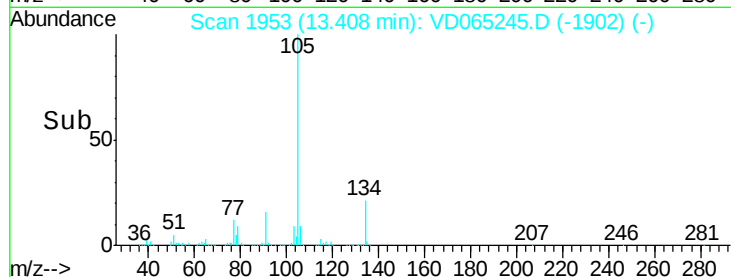
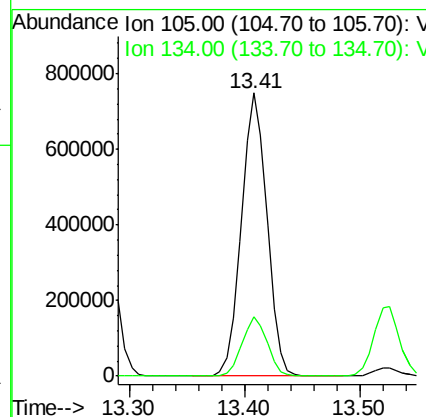
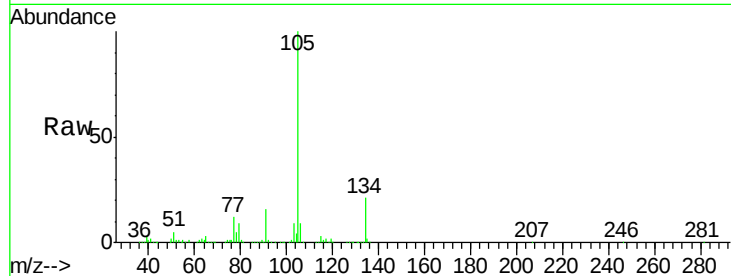
#85
 sec-Butylbenzene
 Concen: 49.675 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD065245.D
 Acq: 19 Feb 2020 18:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:105 Resp: 1144471
 Ion Ratio Lower Upper
 105 100
 134 20.7 10.3 30.9

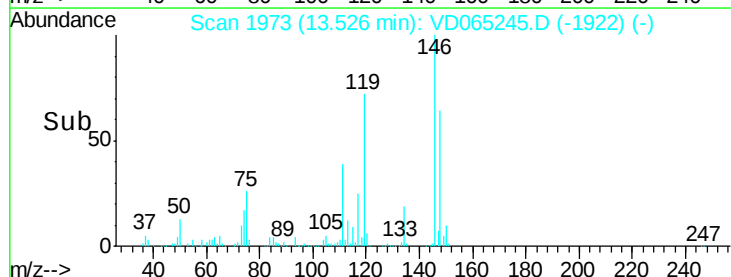
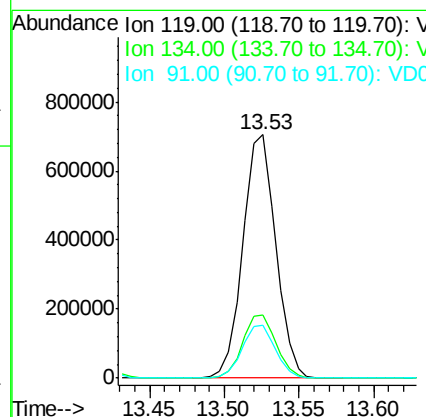
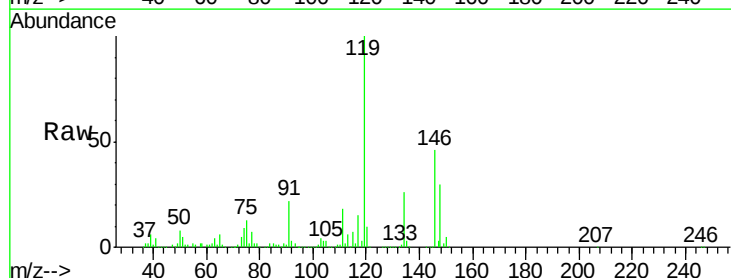
Manual Integrations
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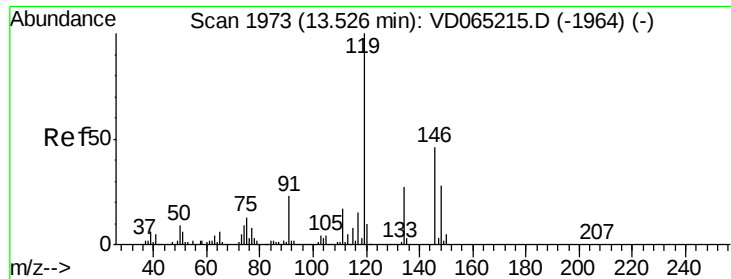
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#86
 p-Isopropyltoluene
 Concen: 50.924 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065245.D
 Acq: 19 Feb 2020 18:16

Tgt Ion:119 Resp: 1072923
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.3 39.8
 91 21.9 11.1 33.1





#87

1,3-Dichlorobenzene

Concen: 48.914 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065245.D

Acq: 19 Feb 2020 18:16

Instrument :

MSVOA_D

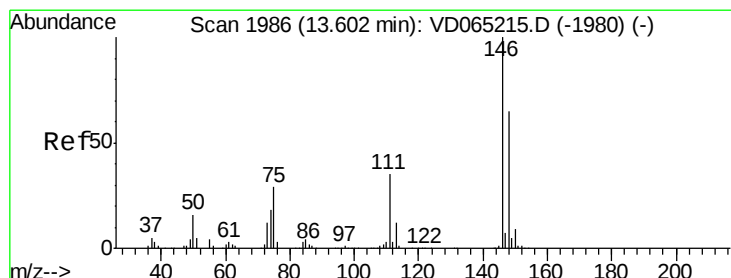
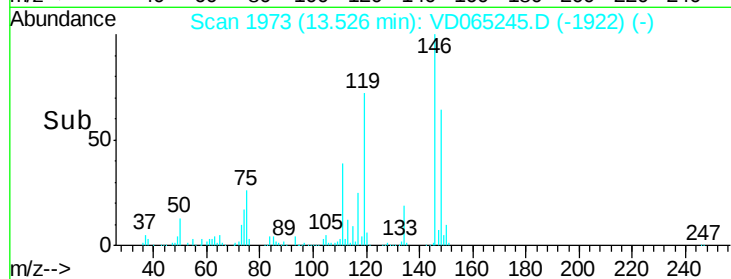
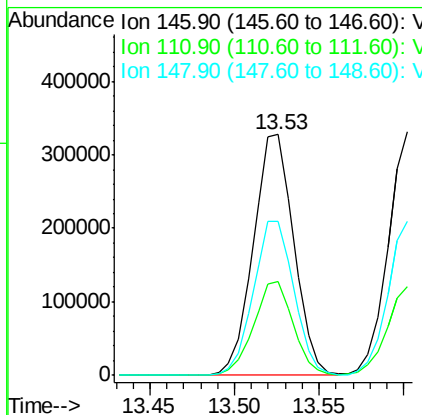
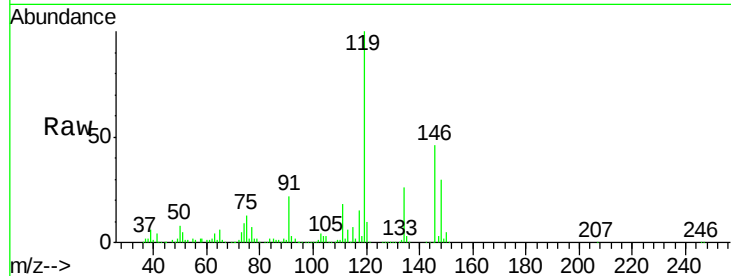
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.6	55.8
148	63.9	31.4	94.3

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#88

1,4-Dichlorobenzene

Concen: 48.958 ug/l

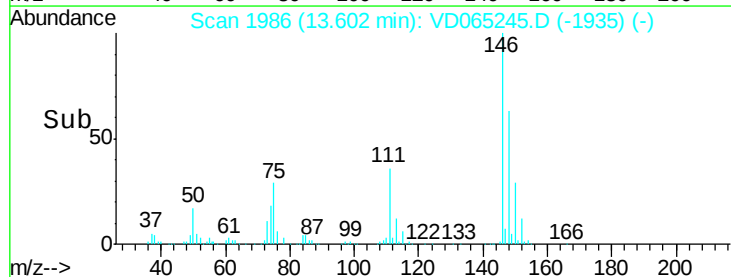
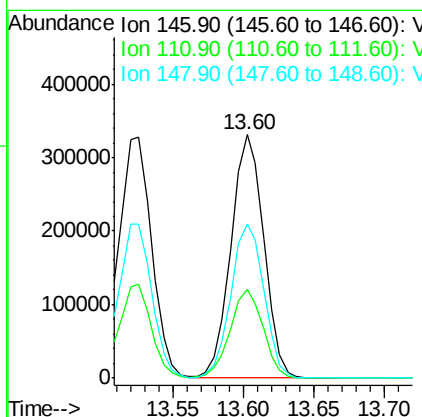
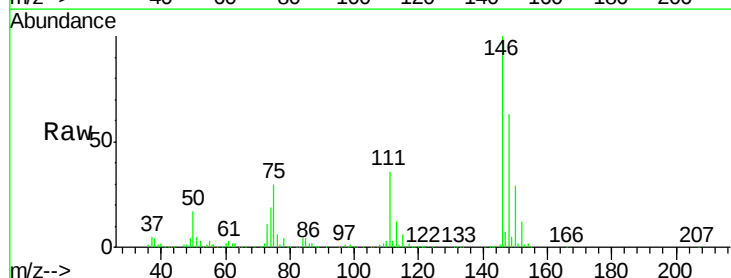
RT: 13.60 min Scan# 1986

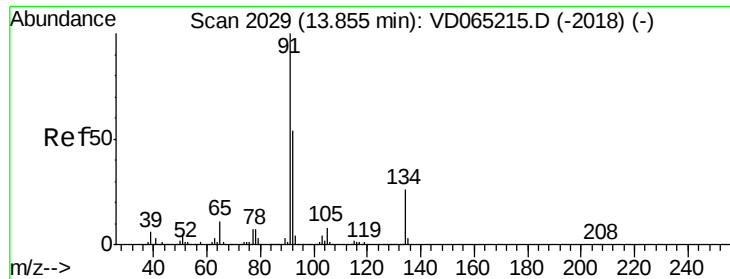
Delta R.T. 0.00 min

Lab File: VD065245.D

Acq: 19 Feb 2020 18:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.4	55.2
148	63.8	32.1	96.5





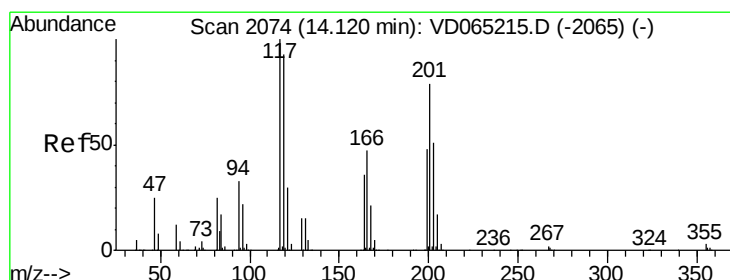
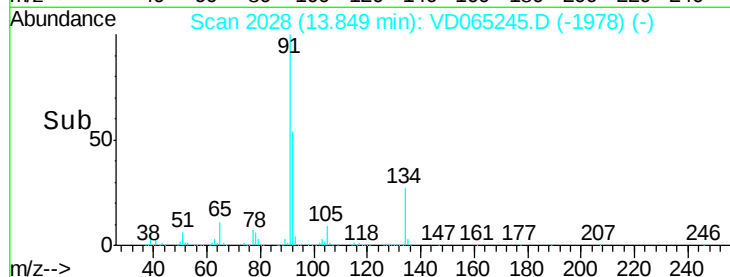
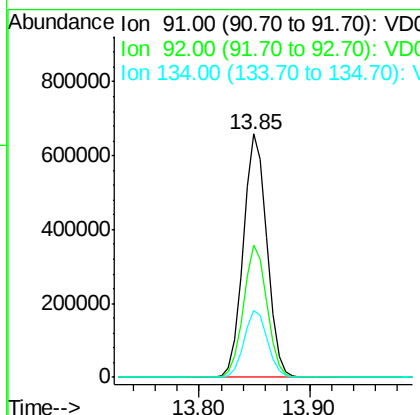
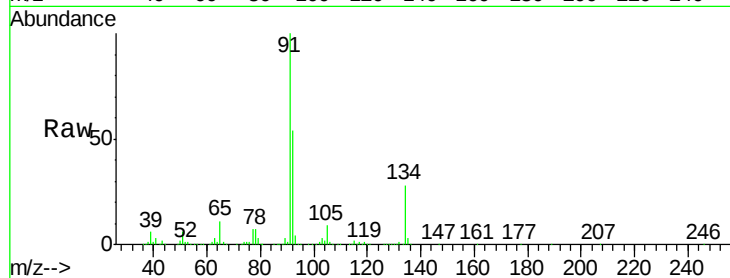
#89
n-Butylbenzene
Concen: 50.849 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD065245.D
Acq: 19 Feb 2020 18:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.2	27.0	80.8
134	27.3	13.5	40.4

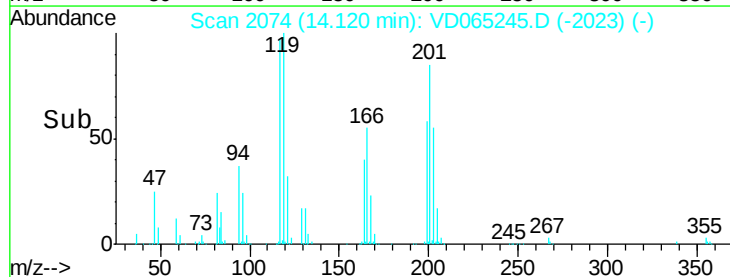
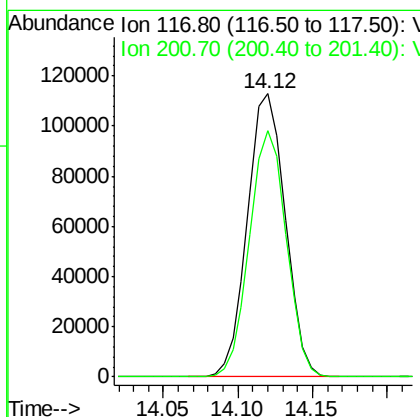
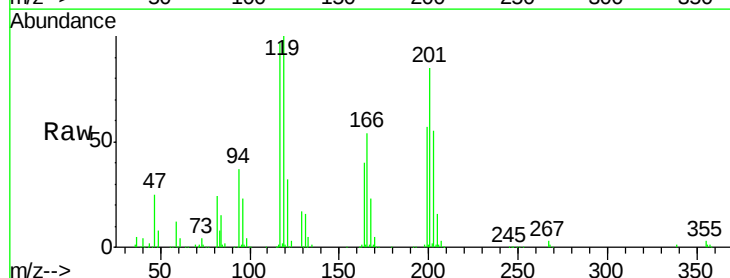
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#90
Hexachloroethane
Concen: 46.361 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065245.D
Acq: 19 Feb 2020 18:16

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.6	41.3	124.1





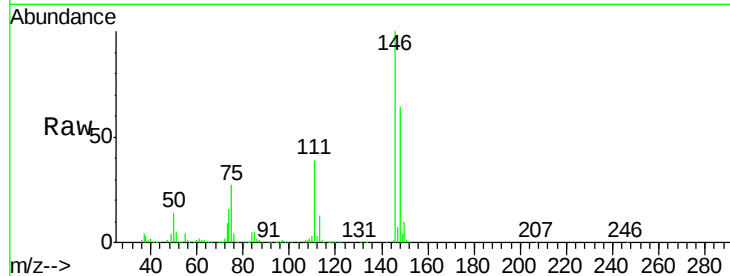
#91
 1,2-Dichlorobenzene
 Concen: 49.402 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065245.D
 Acq: 19 Feb 2020 18:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

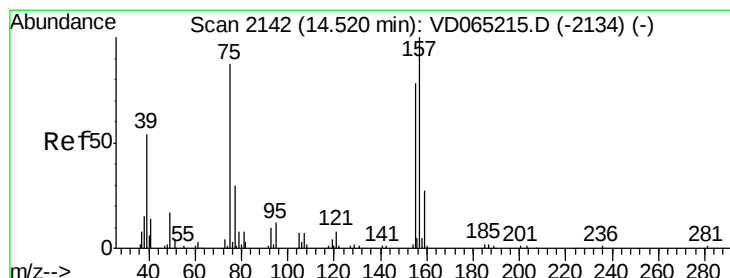
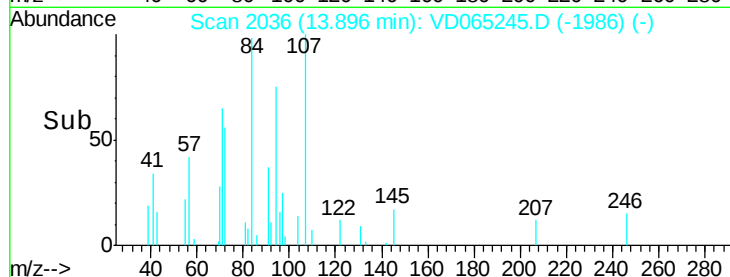
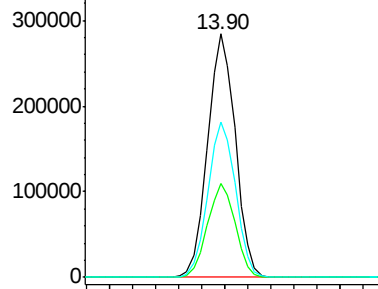
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.7	59.0
148	63.9	32.0	96.2

Manual Integrations
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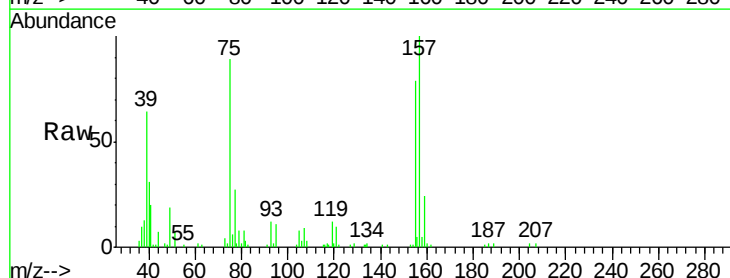


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

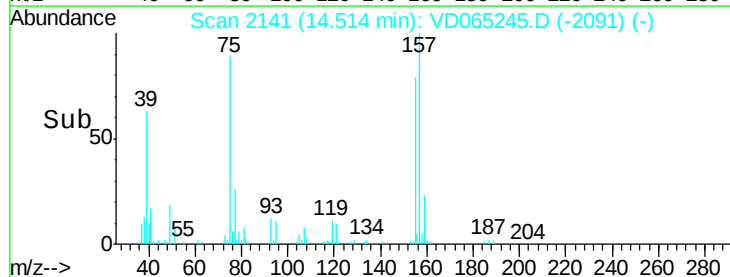
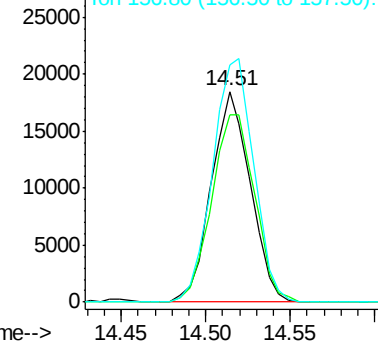


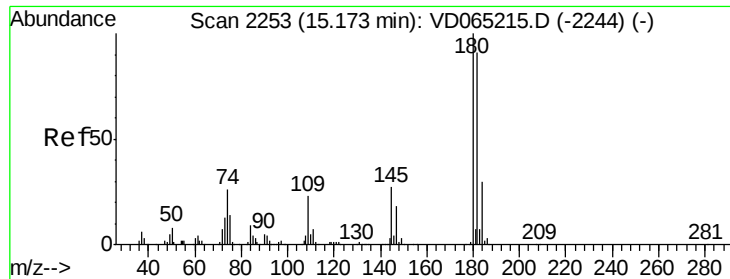
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.048 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD065245.D
 Acq: 19 Feb 2020 18:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.9	42.3	126.9
157	121.9	56.7	170.1



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V





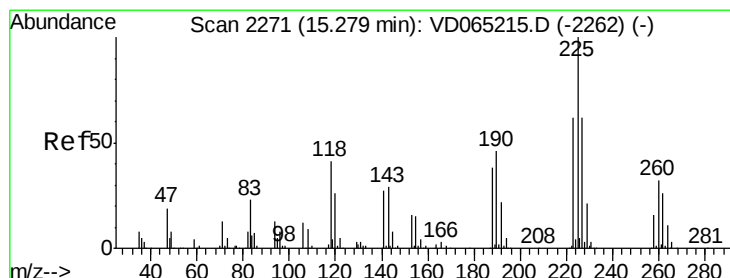
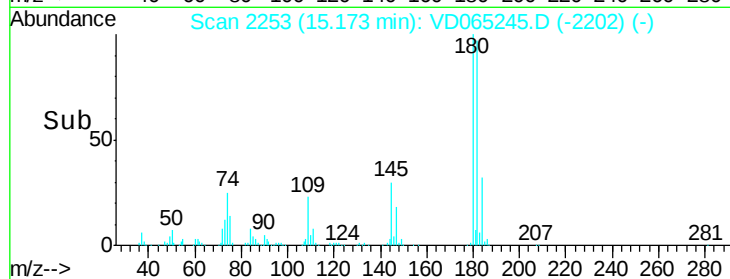
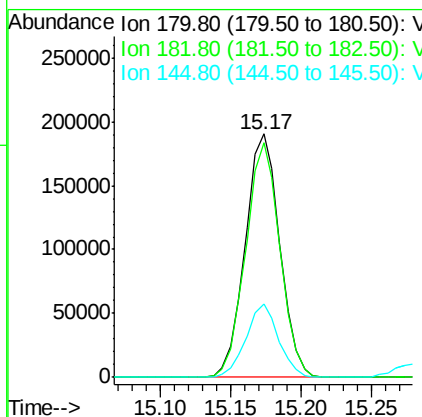
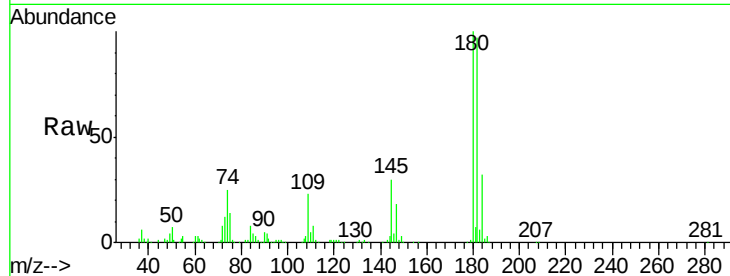
#93
 1,2,4-Trichlorobenzene
 Concen: 52.433 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD065245.D
 Acq: 19 Feb 2020 18:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.3	46.9	140.6	
145	28.5	13.9	41.7	

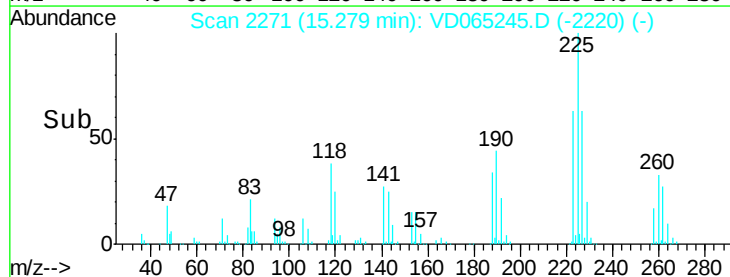
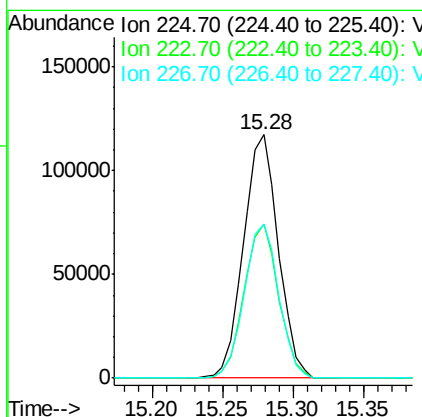
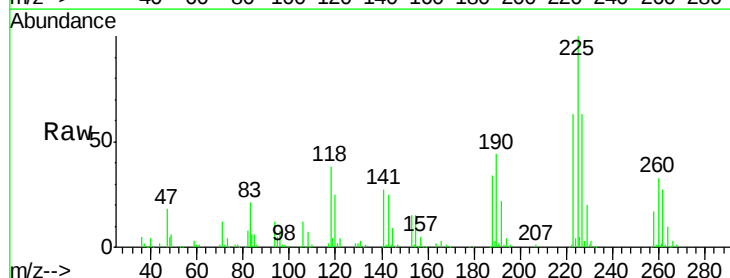
Manual Integrations
 APPROVED

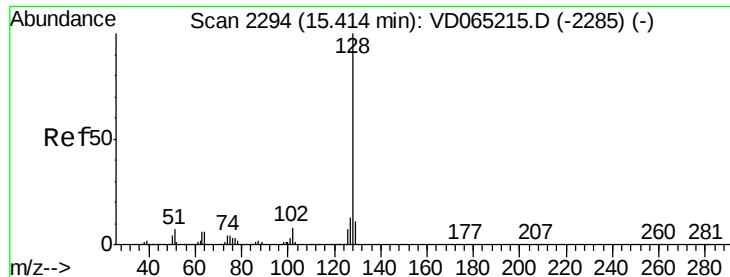
MMDadoda
 2/21/2020 5:25:46 PM



#94
 Hexachlorobutadiene
 Concen: 50.655 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065245.D
 Acq: 19 Feb 2020 18:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.7	31.4	94.2	
227	62.7	31.7	95.1	





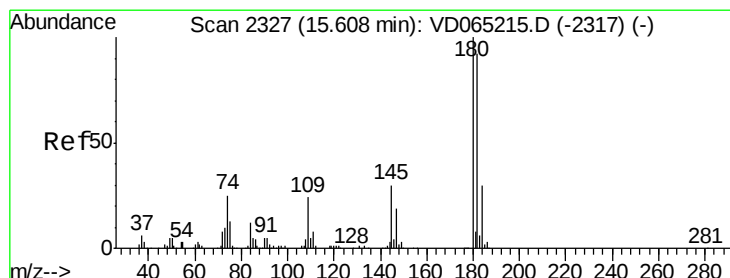
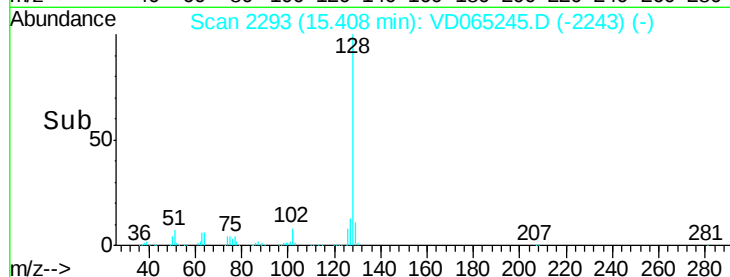
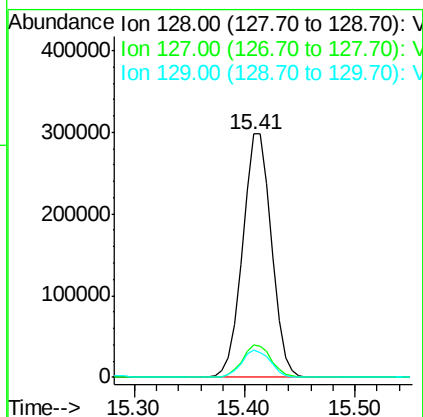
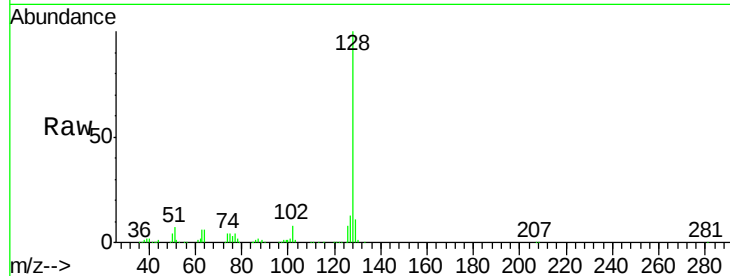
#95
Naphthalene
Concen: 54.141 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD065245.D
Acq: 19 Feb 2020 18:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	549652		
127	13.3		10.3	15.5
129	11.0		8.8	13.2

Manual Integrations
APPROVED

MMDadoda
2/21/2020 5:25:46 PM



#96
1,2,3-Trichlorobenzene
Concen: 52.571 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.01 min
Lab File: VD065245.D
Acq: 19 Feb 2020 18:16

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	286731		
182	95.1		46.9	140.6
145	30.0		15.4	46.1

