

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022620\
 Data File : VD065318.D
 Acq On : 26 Feb 2020 10:17
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/27/2020 11:39:19 AM

Quant Time: Feb 27 08:06:29 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	500441	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	717560	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	658526	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	326873	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	197546	43.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.76%	
35) Dibromofluoromethane	7.92	113	211178	48.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.54%	
50) Toluene-d8	10.34	98	830789	49.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.34%	
62) 4-Bromofluorobenzene	12.64	95	266941	50.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	205318	48.916	ug/l	100
3) Chloromethane	2.21	50	237224	44.403	ug/l	99
4) Vinyl Chloride	2.35	62	246574	45.388	ug/l	97
5) Bromomethane	2.77	94	143150	43.581	ug/l	96
6) Chloroethane	2.93	64	149795	45.172	ug/l	98
7) Trichlorofluoromethane	3.27	101	364784	46.901	ug/l	97
8) Diethyl Ether	3.71	74	108259	46.112	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	233366	47.512	ug/l	99
10) Methyl Iodide	4.30	142	247752	48.581	ug/l	100
11) Tert butyl alcohol	5.24	59	60538	225.029	ug/l #	89
12) 1,1-Dichloroethene	4.06	96	219848	47.383	ug/l	98
13) Acrolein	3.93	56	80471	243.428	ug/l	100
14) Allyl chloride	4.71	41	341988	45.389	ug/l	99
15) Acrylonitrile	5.43	53	232339	223.524	ug/l	99
16) Acetone	4.17	43	272891	247.967	ug/l	98
17) Carbon Disulfide	4.40	76	707469	45.480	ug/l	98
18) Methyl Acetate	4.72	43	107269	43.339	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	446848	46.183	ug/l	95
20) Methylene Chloride	4.96	84	243007	49.561	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	250283	47.450	ug/l	99
22) Diisopropyl ether	6.37	45	690505	47.539	ug/l	99
23) Vinyl Acetate	6.31	43	1911722	238.737	ug/l	100
24) 1,1-Dichloroethane	6.27	63	417669	46.359	ug/l	97
25) 2-Butanone	7.22	43	318222	228.544	ug/l	99
26) 2,2-Dichloropropane	7.21	77	368602	47.155	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	265602	47.538	ug/l	99
28) Bromochloromethane	7.55	49	154988	46.369	ug/l	100
29) Tetrahydrofuran	7.57	42	188971	231.630	ug/l	99
30) Chloroform	7.71	83	425585	46.887	ug/l	100
31) Cyclohexane	7.98	56	398791	45.051	ug/l	98
32) 1,1,1-Trichloroethane	7.91	97	383147	47.179	ug/l	99
36) 1,1-Dichloropropene	8.11	75	346110	49.572	ug/l	100
37) Ethyl Acetate	7.30	43	132416	45.367	ug/l	100
38) Carbon Tetrachloride	8.10	117	352184	49.551	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	426622	51.975	ug/l	99
40) Benzene	8.36	78	971492	49.297	ug/l	100
41) Methacrylonitrile	7.53	41	74262	44.065	ug/l	99
42) 1,2-Dichloroethane	8.43	62	253720	46.831	ug/l	100
43) Isopropyl Acetate	8.46	43	244607	46.085	ug/l	98
44) Trichloroethene	9.11	130	268638	49.176	ug/l	98
45) 1,2-Dichloropropane	9.39	63	242125	49.410	ug/l	99
46) Dibromomethane	9.48	93	122546	48.604	ug/l	99
47) Bromodichloromethane	9.67	83	322762	48.575	ug/l	99
48) Methyl methacrylate	9.46	41	116174	47.353	ug/l	95
49) 1,4-Dioxane	9.47	88	28209	953.934	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	645221	239.340	ug/l	99
52) Toluene	10.41	92	624146	51.167	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	301059	48.882	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	368372	49.531	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	172490	48.606	ug/l	96
56) Ethyl methacrylate	10.67	69	207265	50.601	ug/l	99
57) 1,3-Dichloropropane	10.95	76	293413	48.579	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	290108	224.651	ug/l	98
59) 2-Hexanone	10.99	43	499142	258.652	ug/l	97
60) Dibromochloromethane	11.14	129	224720	49.474	ug/l	99
61) 1,2-Dibromoethane	11.25	107	164522	48.965	ug/l	99
64) Tetrachloroethene	10.88	164	229182	49.070	ug/l	97
65) Chlorobenzene	11.68	112	649090	49.118	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	239177	48.500	ug/l	100
67) Ethyl Benzene	11.75	91	1162059	50.209	ug/l	100
68) m/p-Xylenes	11.86	106	906776	102.403	ug/l	99
69) o-Xylene	12.18	106	400050	50.994	ug/l	99
70) Styrene	12.20	104	718227	51.565	ug/l	99
71) Bromoform	12.37	173	129683	47.390	ug/l #	100
73) Isopropylbenzene	12.48	105	1115881	51.564	ug/l	99
74) N-amyl acetate	12.30	43	223997	46.582	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	182655	46.767	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	122333m	43.987	ug/l	
77) Bromobenzene	12.77	156	266022	49.504	ug/l	99
78) n-propylbenzene	12.83	91	1335585	51.357	ug/l	99
79) 2-Chlorotoluene	12.91	91	732361	50.270	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	912872	51.217	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	58769	45.626	ug/l	95
82) 4-Chlorotoluene	13.01	91	767538	49.625	ug/l	99
83) tert-Butylbenzene	13.23	119	768502	51.444	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	907213	50.852	ug/l	100
85) sec-Butylbenzene	13.41	105	1103044	51.243	ug/l	100
86) p-Isopropyltoluene	13.53	119	1018353	51.732	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	505973	48.705	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	495478	48.325	ug/l	99
89) n-Butylbenzene	13.85	91	941894	51.925	ug/l	100
90) Hexachloroethane	14.12	117	196676	49.206	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	435071	48.775	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	26376	43.823	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	297484	50.985	ug/l	99
94) Hexachlorobutadiene	15.28	225	191241	51.095	ug/l	100
95) Naphthalene	15.41	128	482736	50.893	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	256931	50.420	ug/l	99

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

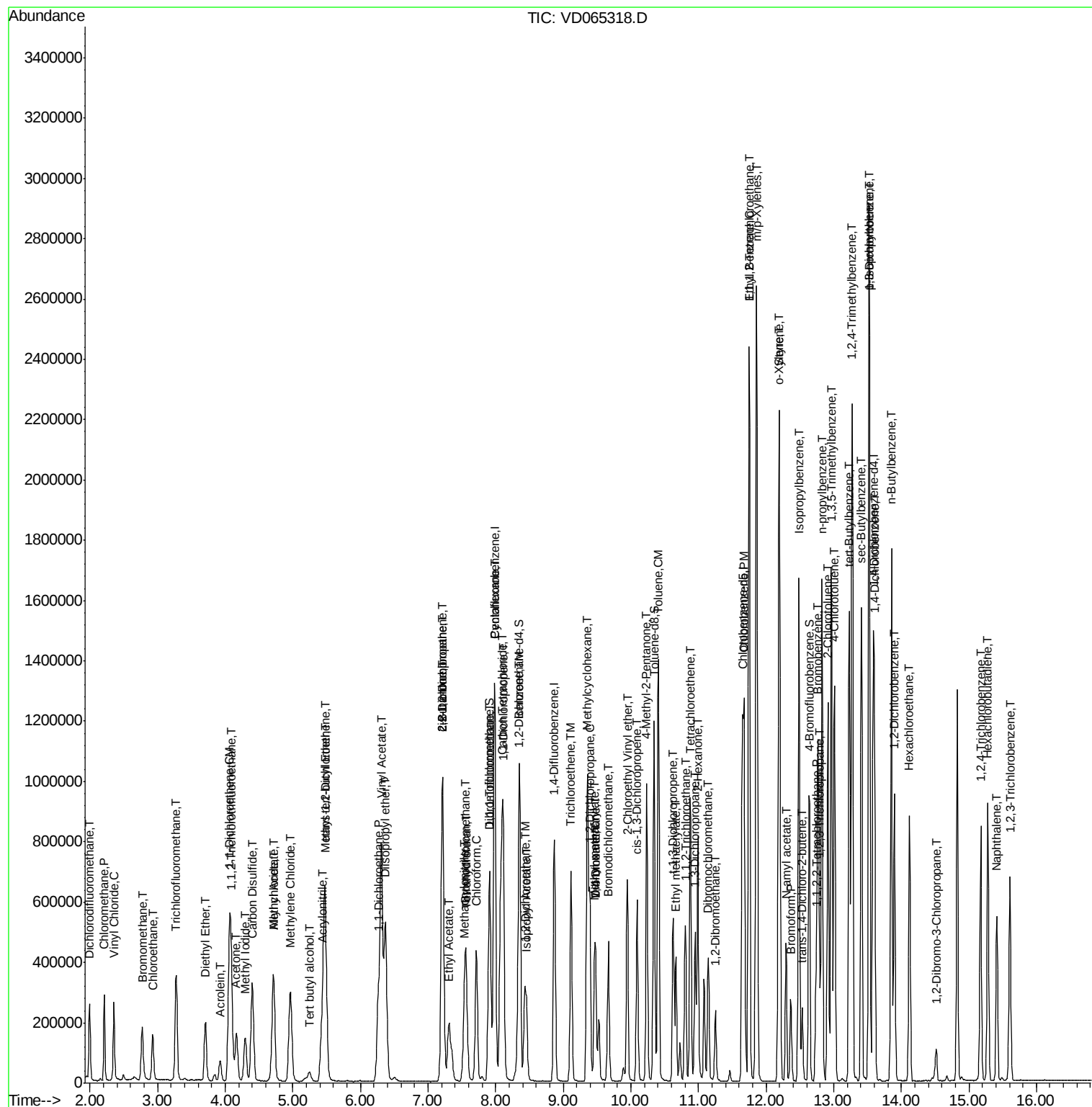
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD022620\
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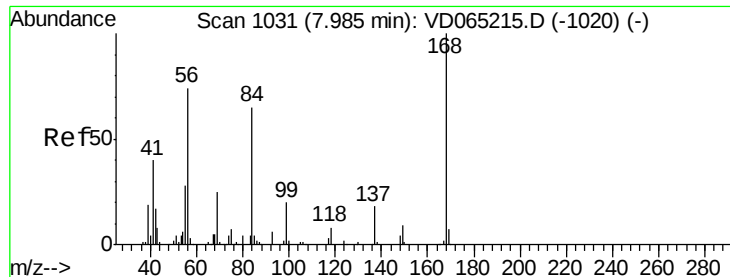
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065318.D

Acq: 26 Feb 2020 10:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 500441

Ion Ratio Lower Upper

168 100

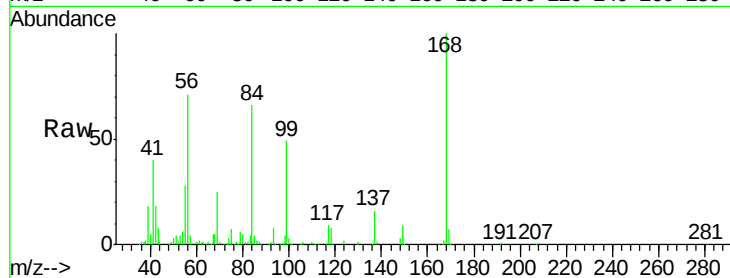
99 49.2 41.4 62.2

Manual Integrations

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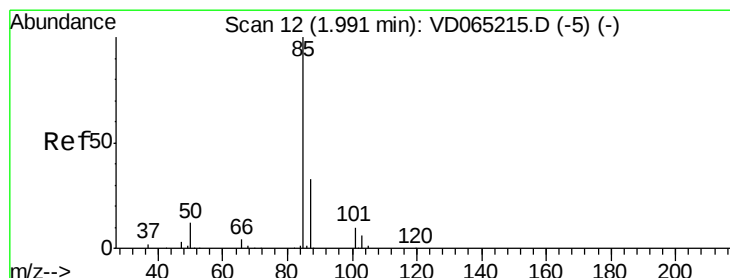
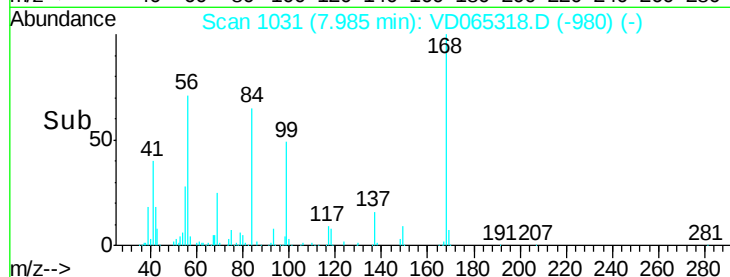
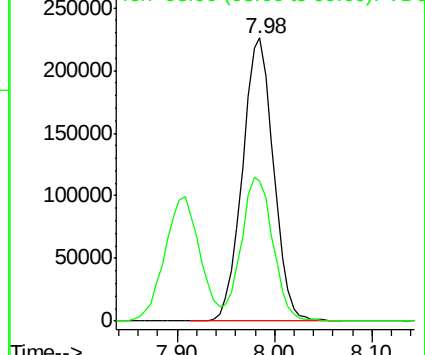
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2/27/2020 11:39:19 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 48.916 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065318.D

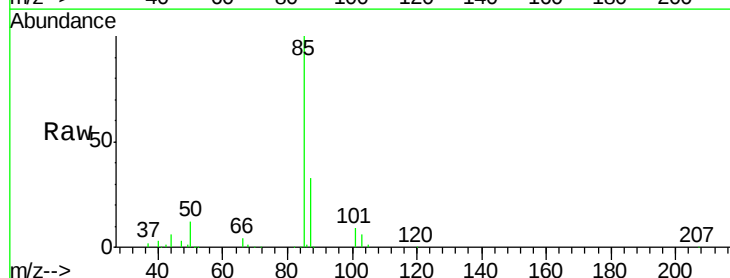
Acq: 26 Feb 2020 10:17

Tgt Ion: 85 Resp: 205318

Ion Ratio Lower Upper

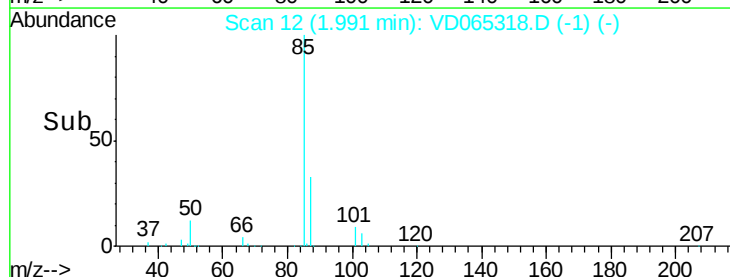
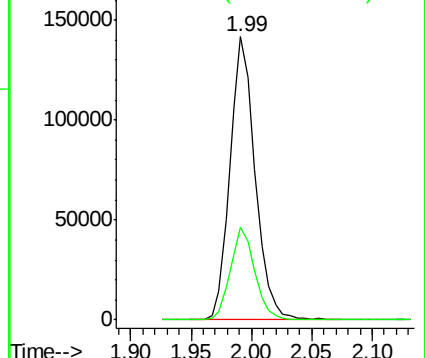
85 100

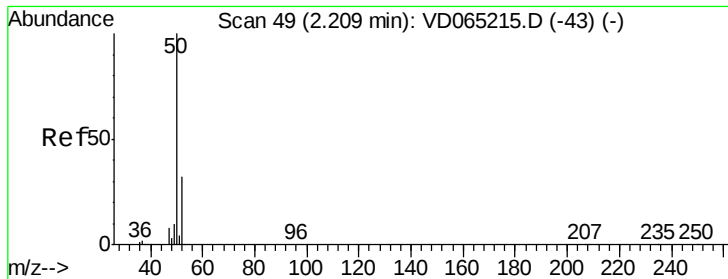
87 32.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 44.403 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065318.D

Acq: 26 Feb 2020 10:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 237224

Ion Ratio Lower Upper

50 100

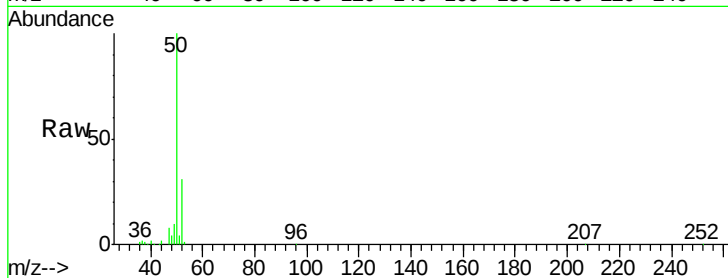
52 31.1 25.5 38.3

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

200000

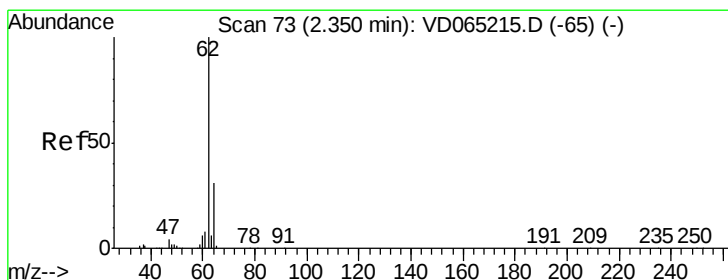
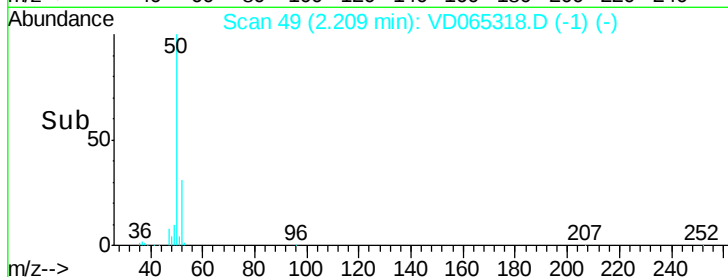
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 45.388 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065318.D

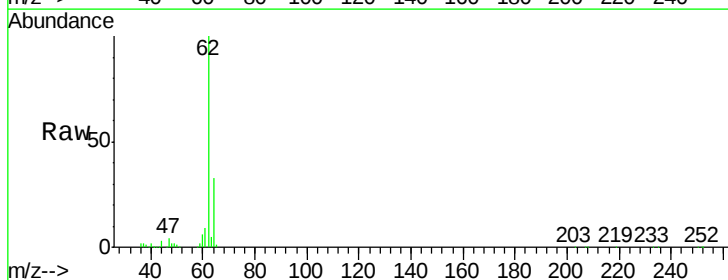
Acq: 26 Feb 2020 10:17

Tgt Ion: 62 Resp: 246574

Ion Ratio Lower Upper

62 100

64 33.2 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

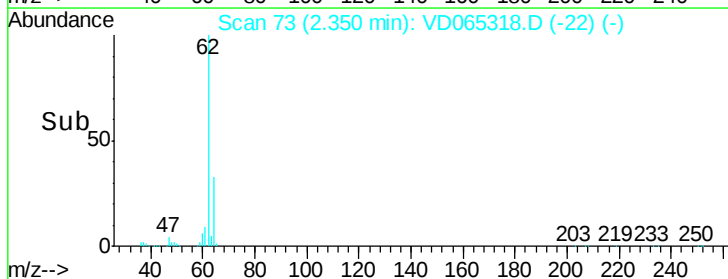
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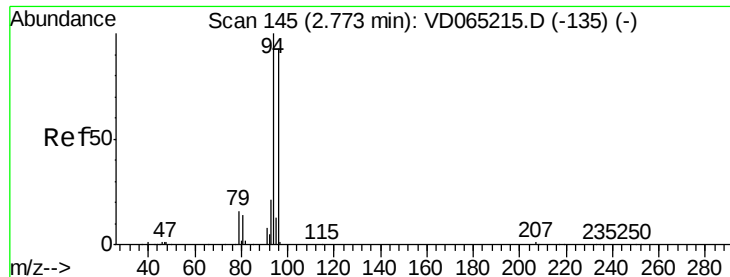
100000

50000

0

Time-->





#5

Bromomethane

Concen: 43.581 ug/l

RT: 2.77 min Scan# 145

Delta R.T. -0.00 min

Lab File: VD065318.D

Acq: 26 Feb 2020 10:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 143150

Ion Ratio Lower Upper

94 100

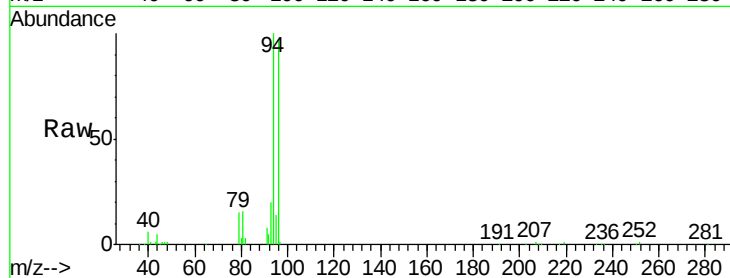
96 96.5 74.2 111.4

Manual Integrations

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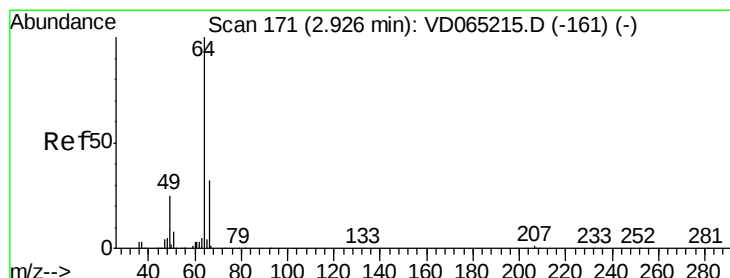
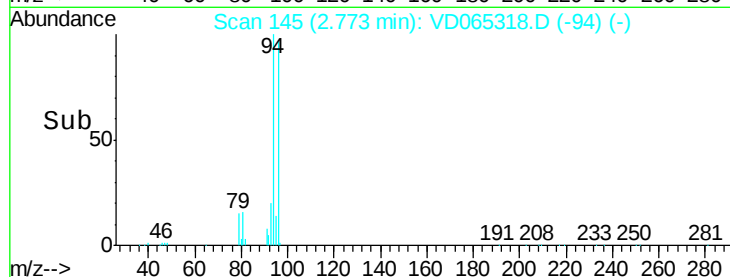
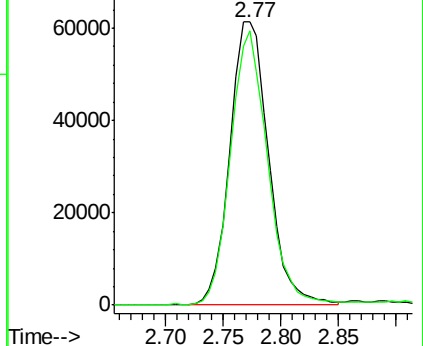
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2/27/2020 11:39:19 AM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 45.172 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD065318.D

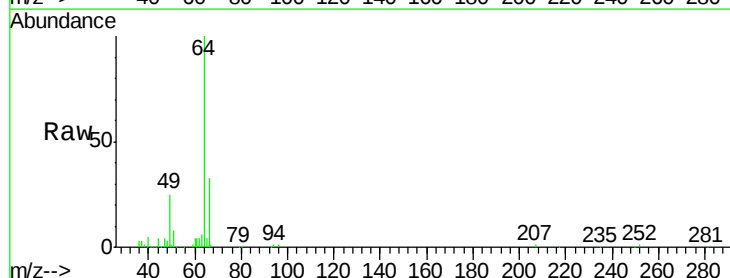
Acq: 26 Feb 2020 10:17

Tgt Ion: 64 Resp: 149795

Ion Ratio Lower Upper

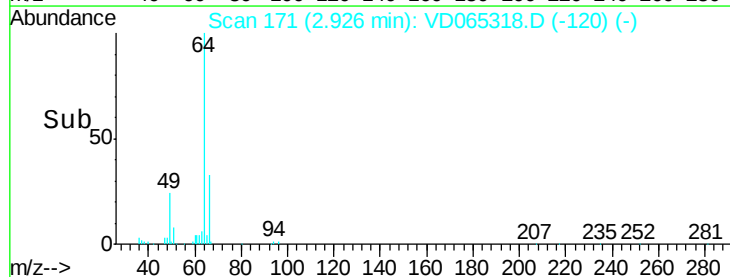
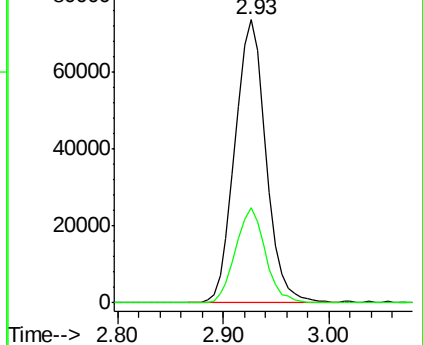
64 100

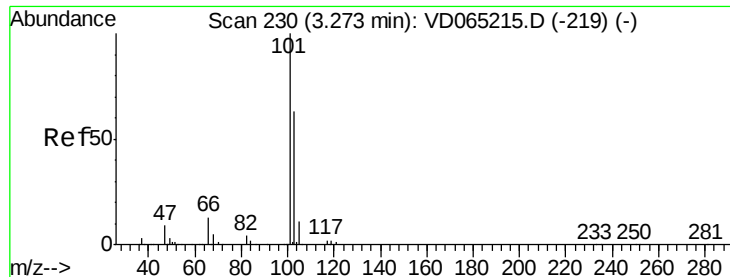
66 33.4 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

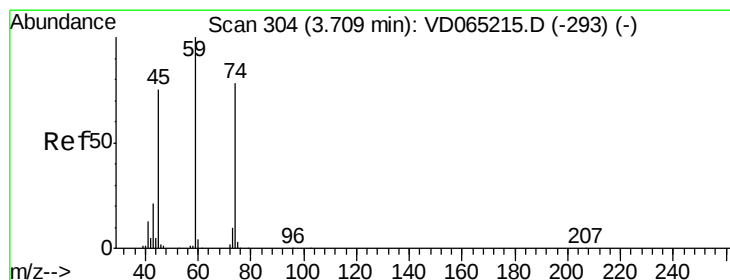
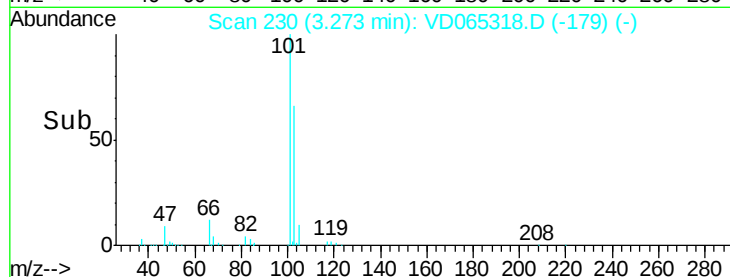
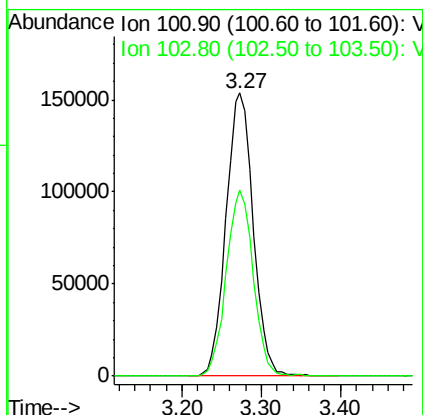
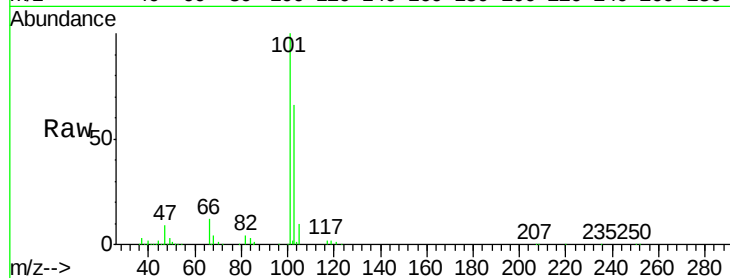
Trichlorofluoromethane
Concen: 46.901 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.00 min
Lab File: VD065318.D
Acq: 26 Feb 2020 10:17

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.0	50.7	76.1

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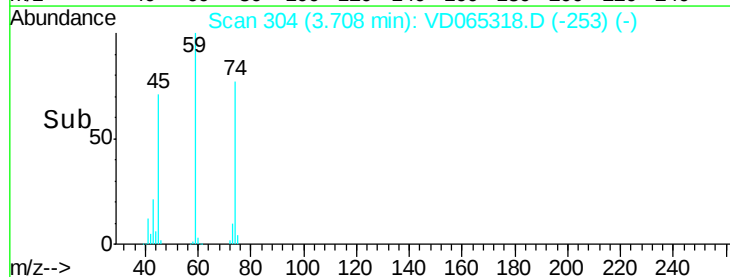
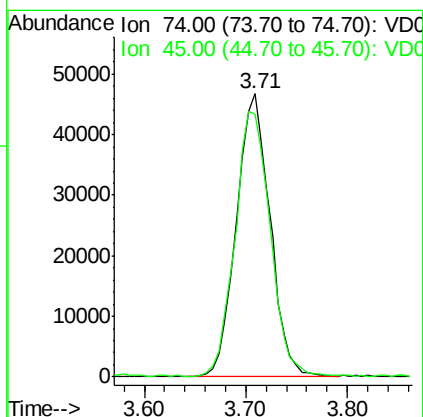
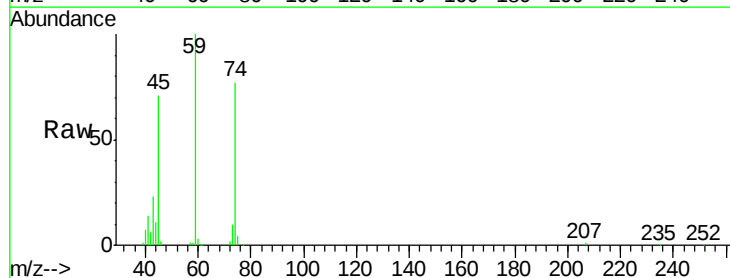
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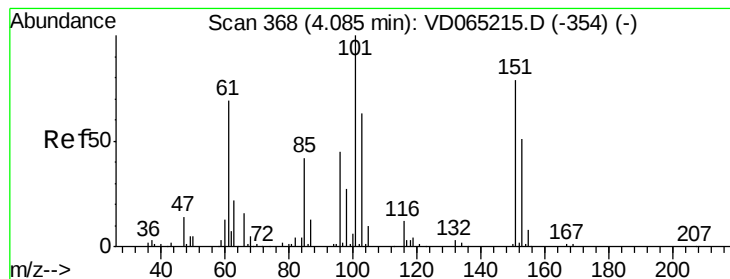


#8

Diethyl Ether
Concen: 46.112 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD065318.D
Acq: 26 Feb 2020 10:17

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.5	50.0	149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.512 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD065318.D

Acq: 26 Feb 2020 10:17

Instrument :

MSVOA_D

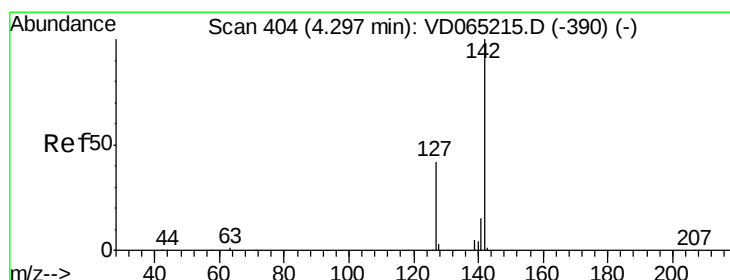
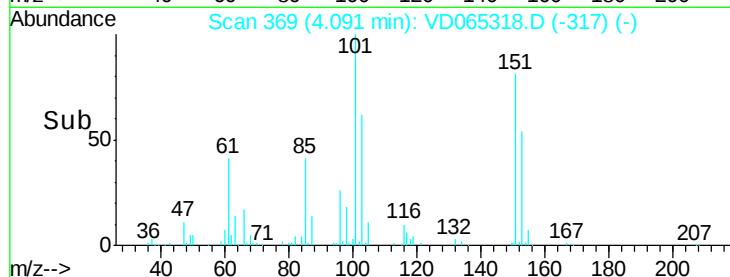
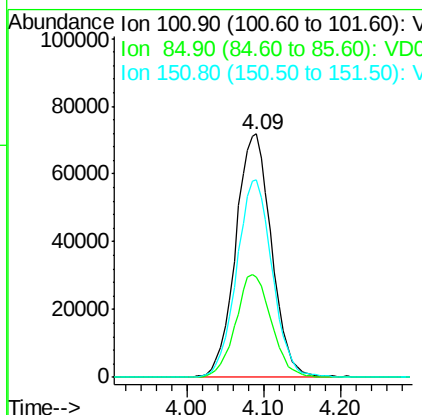
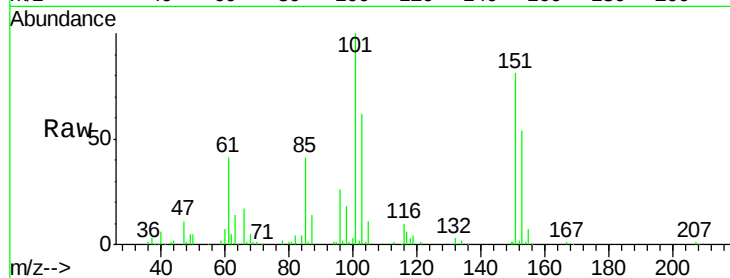
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	233366
Ion Ratio	Lower	Upper	
101	100		
85	42.2	34.2	51.2
151	81.0	63.5	95.3

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#10

Methyl Iodide

Concen: 48.581 ug/l

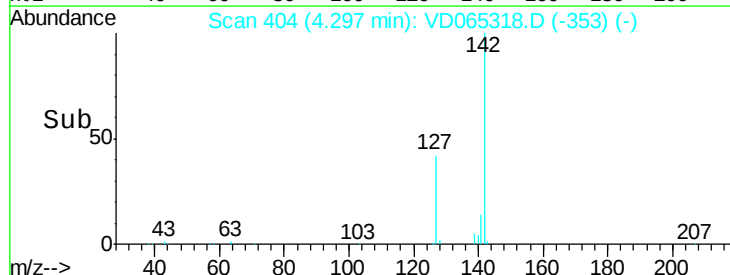
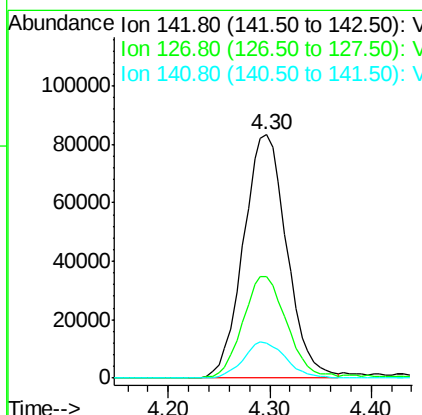
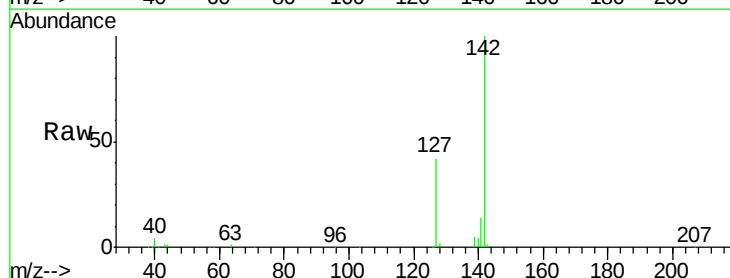
RT: 4.30 min Scan# 404

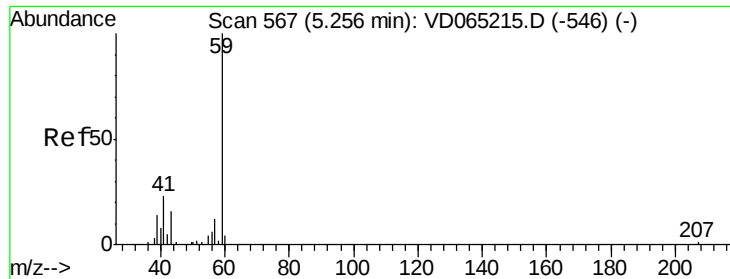
Delta R.T. -0.00 min

Lab File: VD065318.D

Acq: 26 Feb 2020 10:17

Tgt Ion:	142	Resp:	247752
Ion Ratio	Lower	Upper	
142	100		
127	42.4	33.8	50.8
141	14.5	11.7	17.5





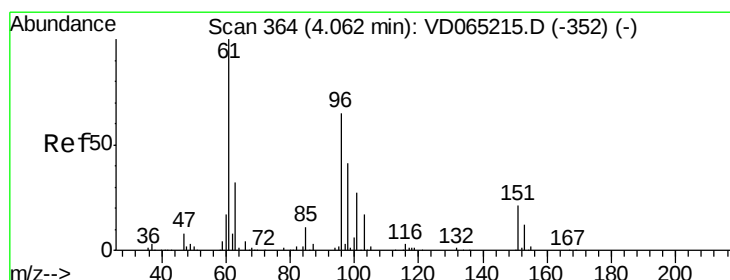
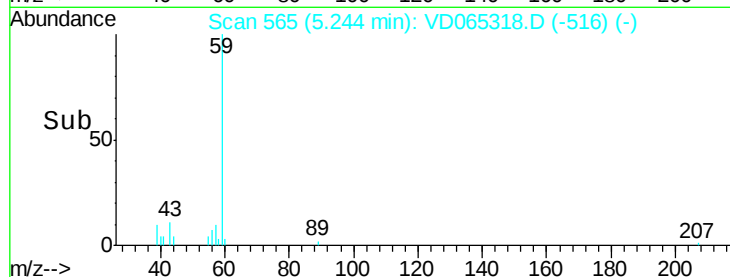
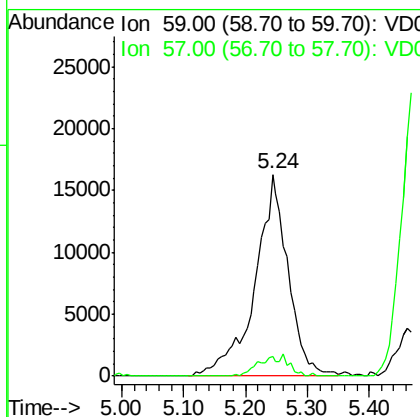
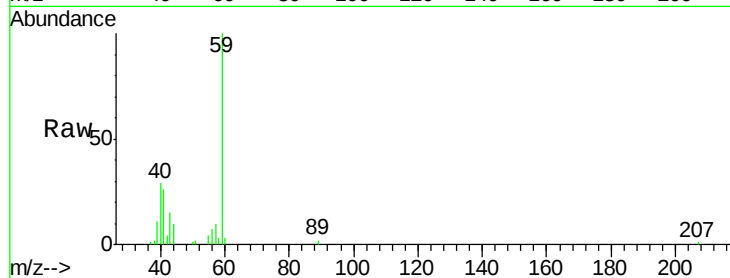
#11
Tert butyl alcohol
Concen: 225.029 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.01 min
Lab File: VD065318.D
Acq: 26 Feb 2020 10:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 60538
Ion Ratio Lower Upper
59 100
57 6.3 8.4 12.6#

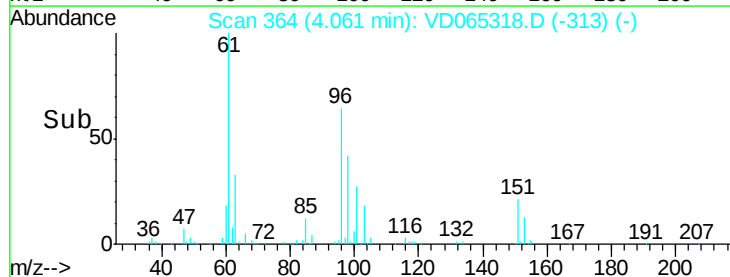
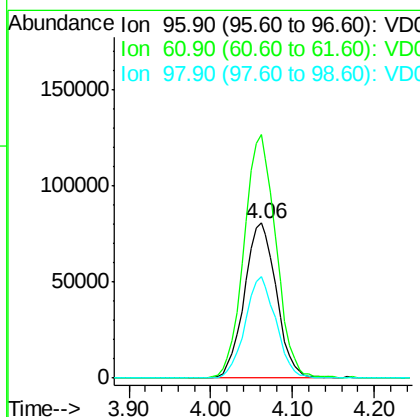
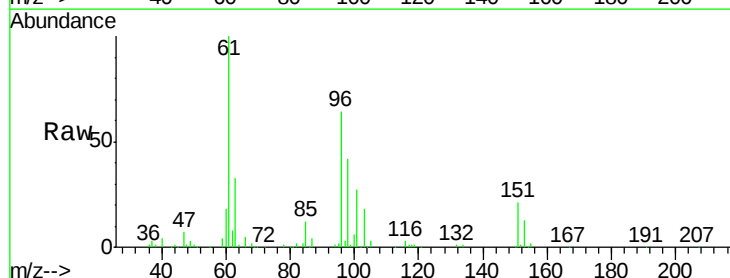
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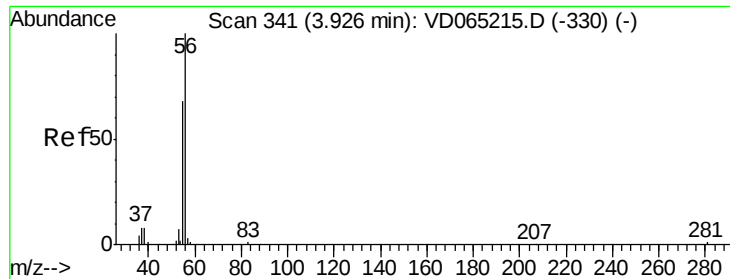
MMDadoda
2/27/2020 11:39:19 AM



#12
1,1-Dichloroethene
Concen: 47.383 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.00 min
Lab File: VD065318.D
Acq: 26 Feb 2020 10:17

Tgt Ion: 96 Resp: 219848
Ion Ratio Lower Upper
96 100
61 156.9 123.3 184.9
98 65.8 51.0 76.4





#13

Acrolein

Concen: 243.428 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065318.D

Acq: 26 Feb 2020 10:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 80471

Ion Ratio Lower Upper

56 100

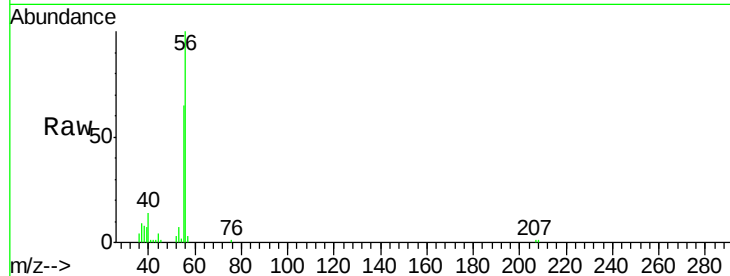
55 70.6 56.6 85.0

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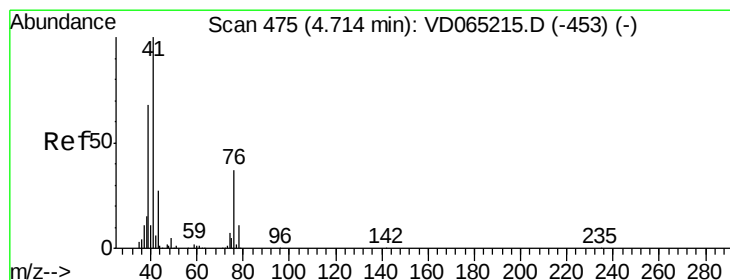
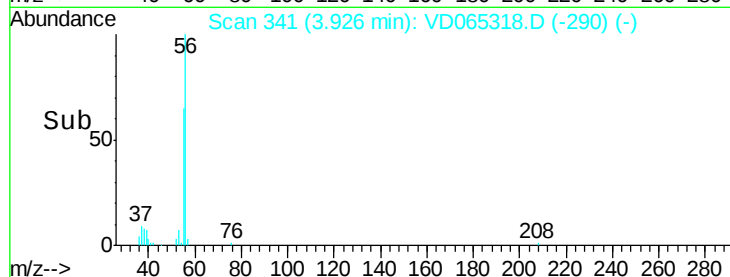
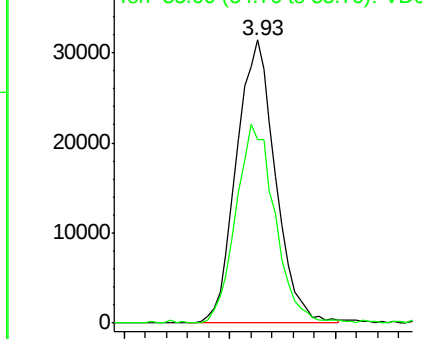
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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 45.389 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065318.D

Acq: 26 Feb 2020 10:17

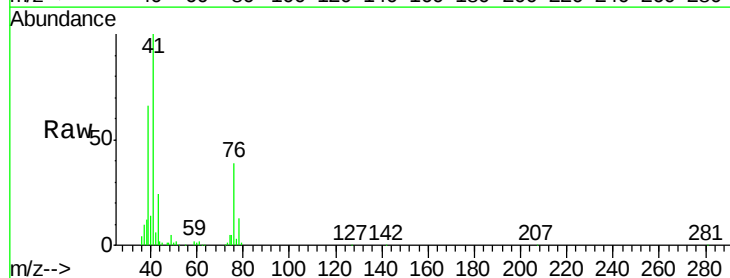
Tgt Ion: 41 Resp: 341988

Ion Ratio Lower Upper

41 100

39 66.4 53.8 80.6

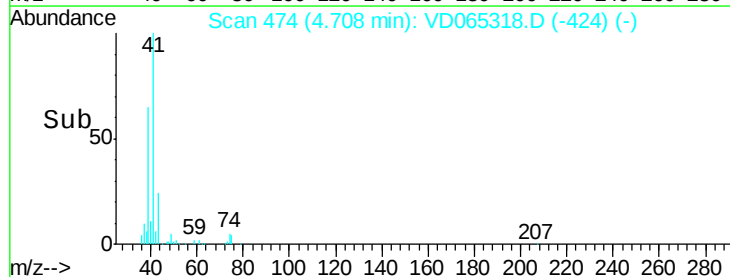
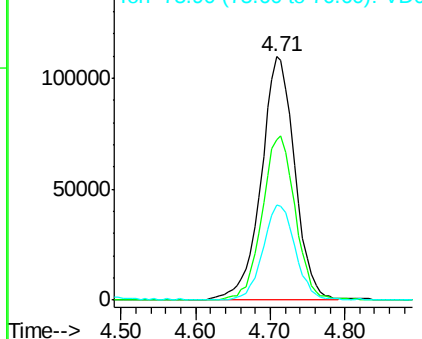
76 37.1 28.7 43.1

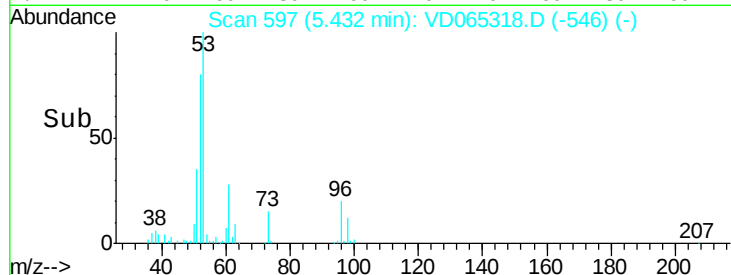
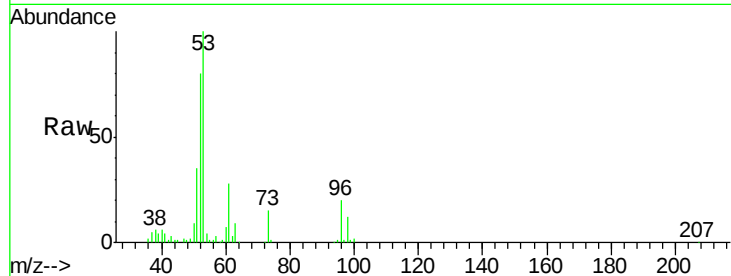
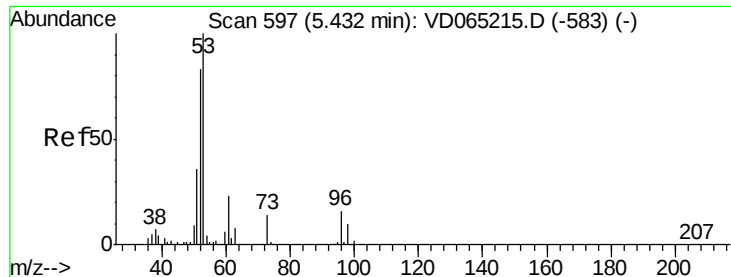


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 223.524 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD065318.D

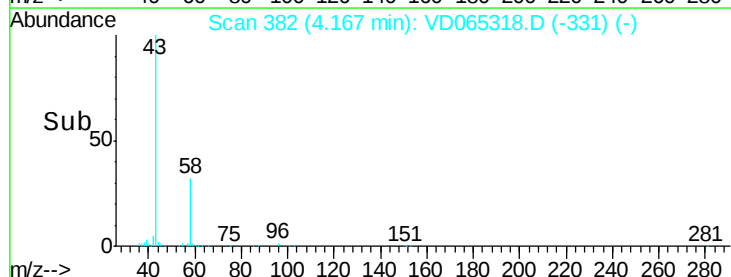
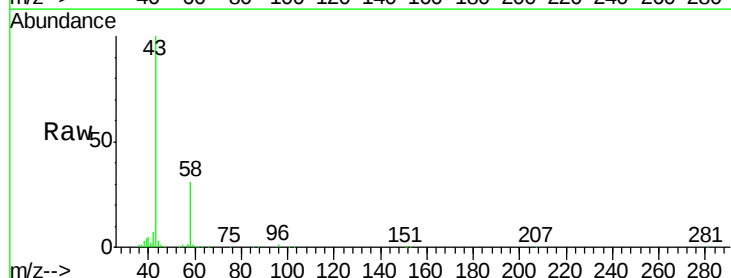
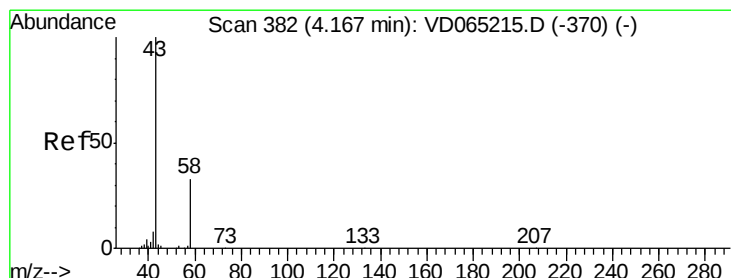
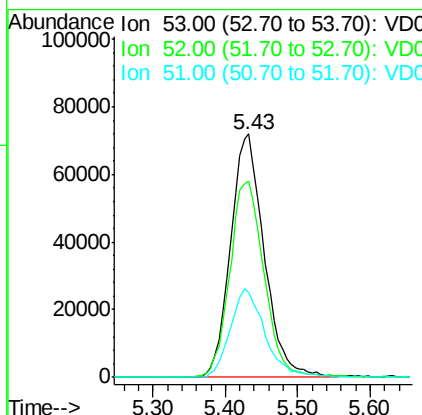
Acq: 26 Feb 2020 10:17

Tot Ion:	53	Resp:	232339
Ion Ratio	Lower	Upper	
53	100		
52	81.3	65.4	98.2
51	37.5	29.5	44.3

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

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#16

Acetone

Concen: 247.967 ug/l

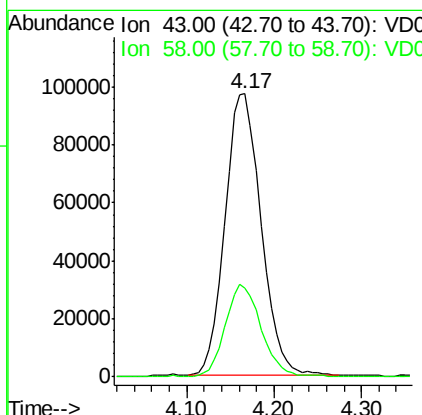
RT: 4.17 min Scan# 382

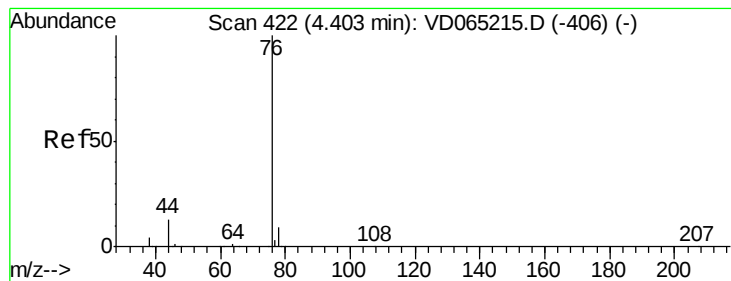
Delta R.T. -0.00 min

Lab File: VD065318.D

Acq: 26 Feb 2020 10:17

Tgt Ion:	43	Resp:	272891
Ion Ratio	Lower	Upper	
43	100		
58	31.7	26.2	39.2





#17

Carbon Disulfide

Concen: 45.480 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD065318.D

Acq: 26 Feb 2020 10:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 707469

Ion Ratio Lower Upper

76 100

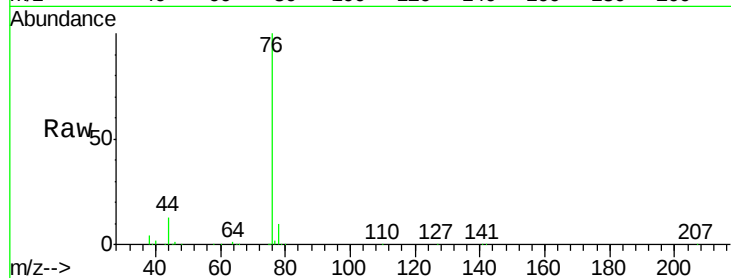
78 9.5 7.0 10.6

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

250000

200000

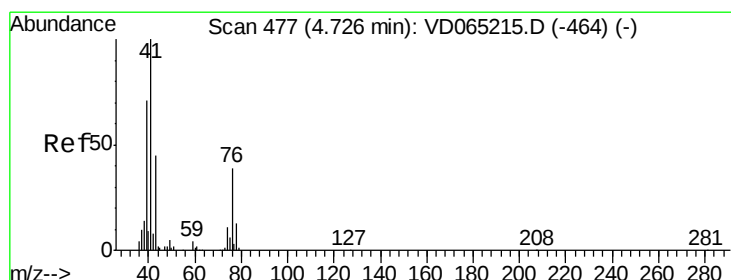
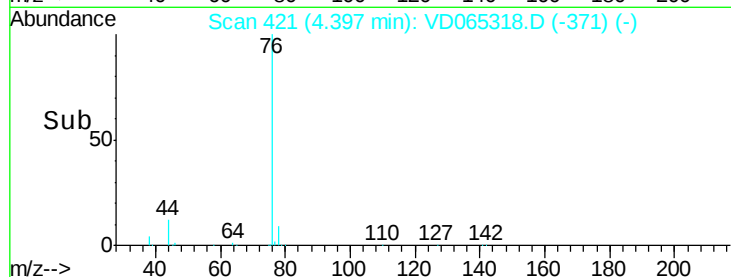
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 43.339 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD065318.D

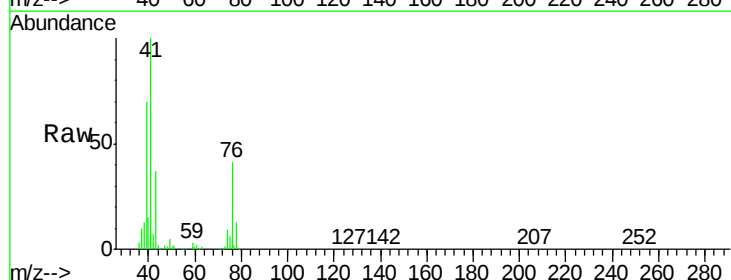
Acq: 26 Feb 2020 10:17

Tgt Ion: 43 Resp: 107269

Ion Ratio Lower Upper

43 100

74 24.5 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.72

40000

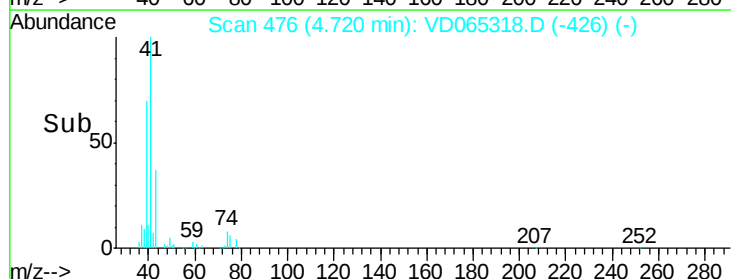
30000

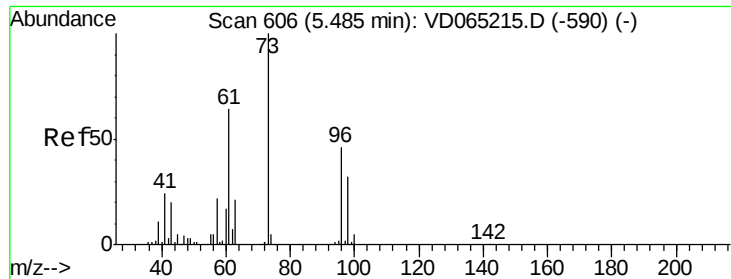
20000

10000

0

Time-->





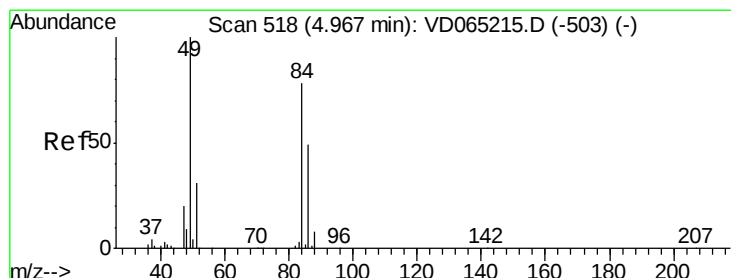
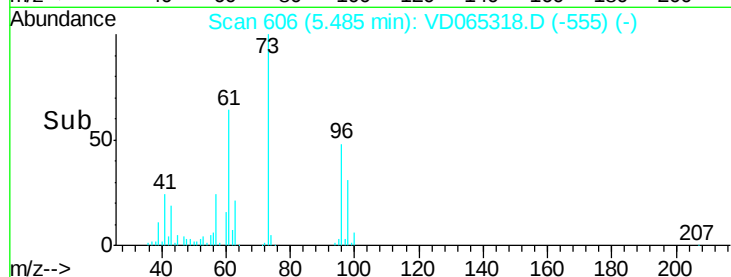
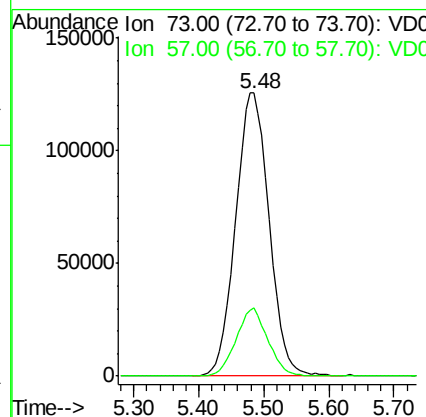
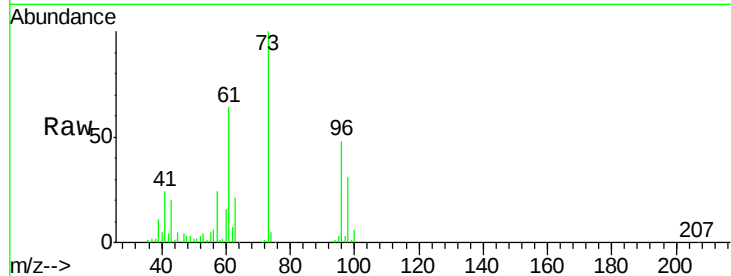
#19
Methyl tert-butyl Ether
Concen: 46.183 ug/l
RT: 5.48 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD065318.D
Acq: 26 Feb 2020 10:17

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050

Tot Ion: 73 Resp: 446848
Ion Ratio Lower Upper
73 100
57 24.0 17.3 25.9

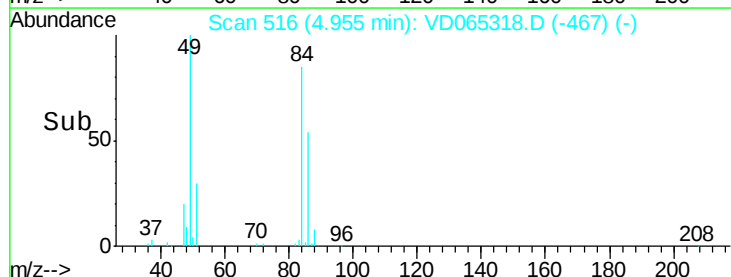
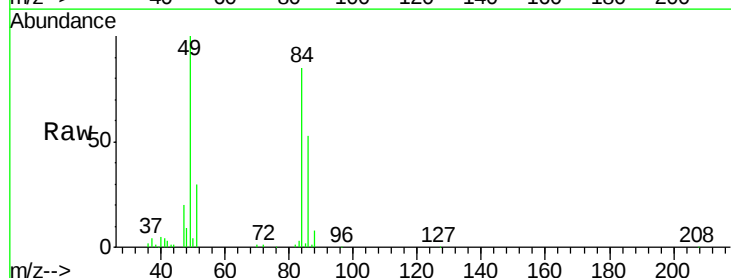
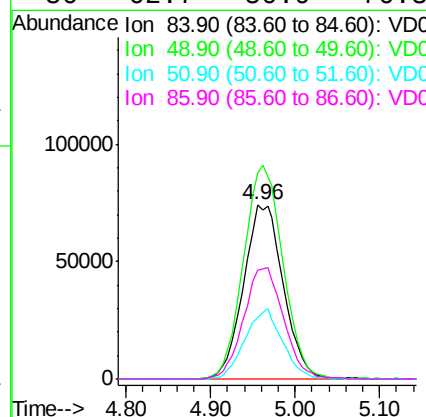
Manual Integrations
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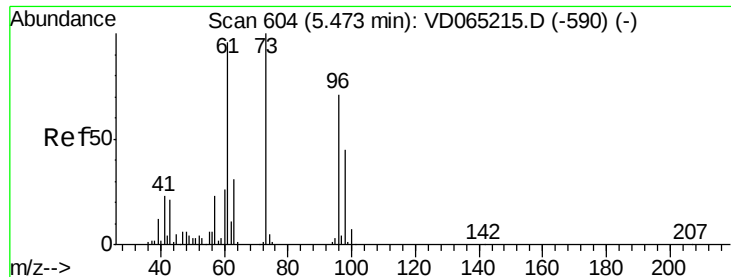
MMDadoda
2/27/2020 11:39:19 AM



#20
Methylene Chloride
Concen: 49.561 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD065318.D
Acq: 26 Feb 2020 10:17

Tgt Ion: 84 Resp: 243007
Ion Ratio Lower Upper
84 100
49 118.0 103.1 154.7
51 35.2 31.7 47.5
86 62.7 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 47.450 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065318.D

Acq: 26 Feb 2020 10:17

Instrument :

MSVOA_D

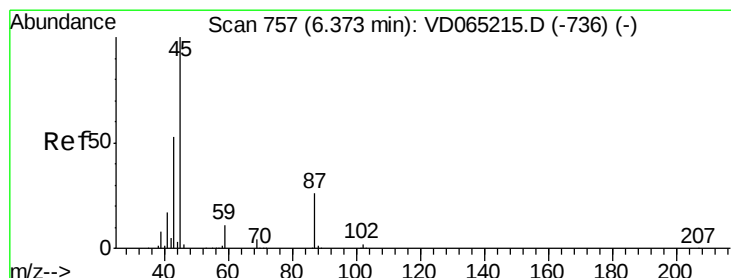
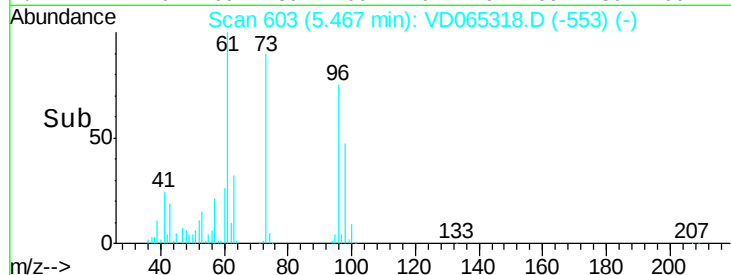
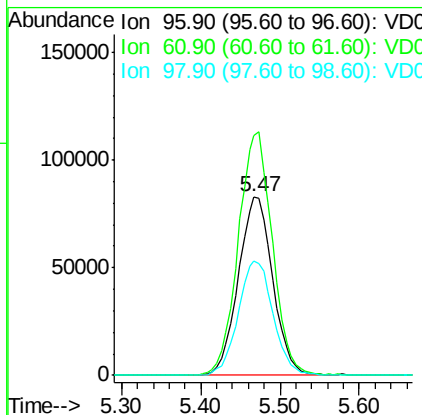
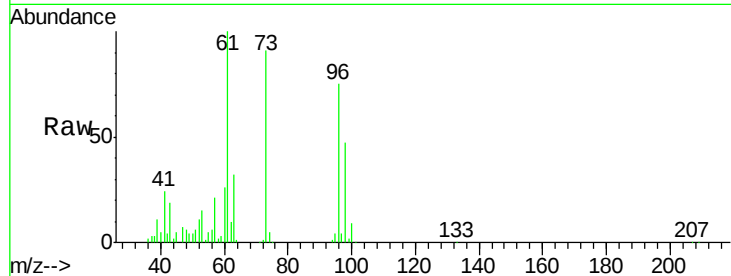
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	250283
Ion	Ratio	Lower	Upper
96	100		
61	134.2	108.3	162.5
98	63.7	50.7	76.1

Manual Integrations
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#22

Diisopropyl ether

Concen: 47.539 ug/l

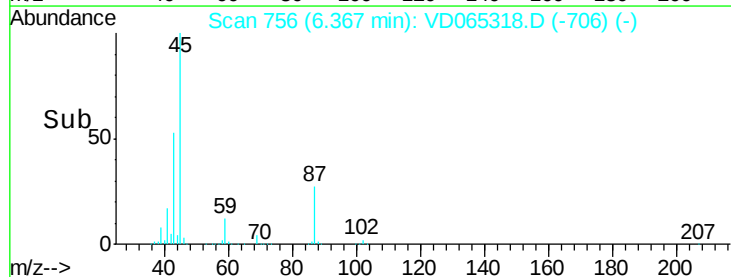
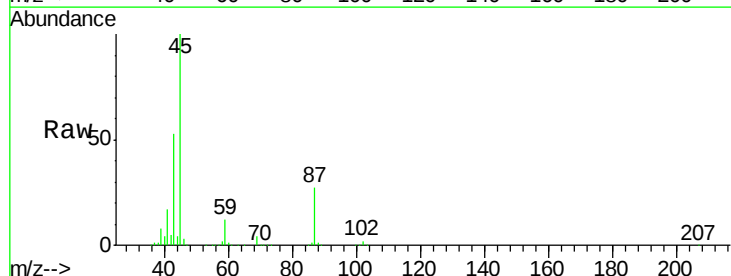
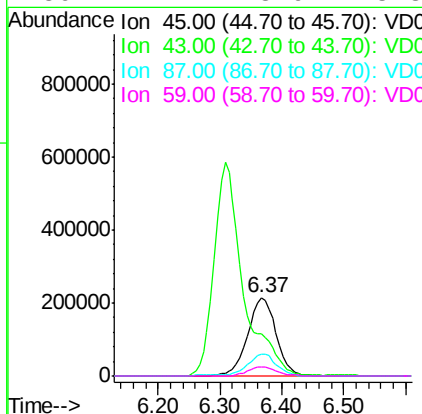
RT: 6.37 min Scan# 756

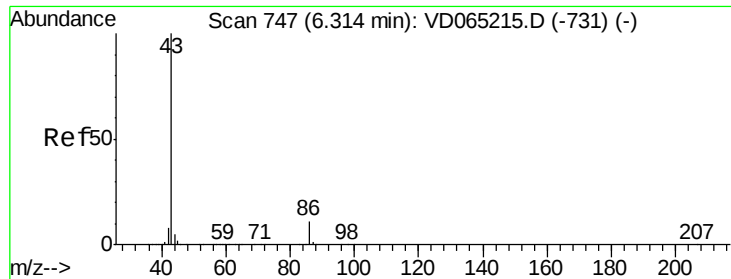
Delta R.T. -0.01 min

Lab File: VD065318.D

Acq: 26 Feb 2020 10:17

Tgt Ion:	45	Resp:	690505
Ion	Ratio	Lower	Upper
45	100		
43	52.5	42.6	64.0
87	27.1	21.2	31.8
59	11.7	8.9	13.3





#23

Vinyl Acetate

Concen: 238.737 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065318.D

Acq: 26 Feb 2020 10:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1911722

Ion Ratio Lower Upper

43 100

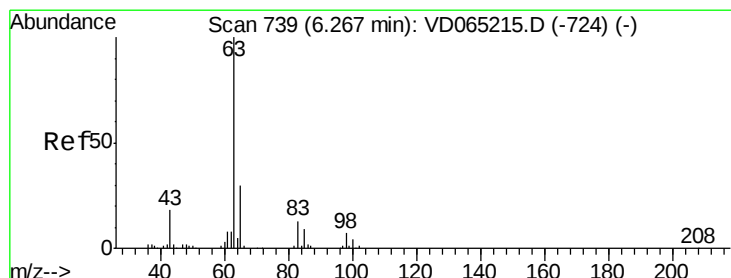
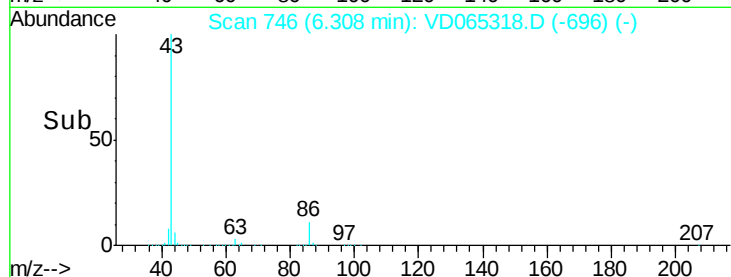
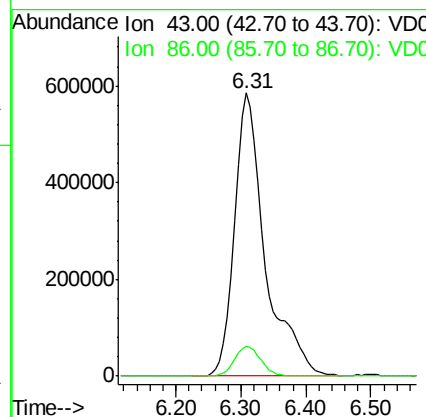
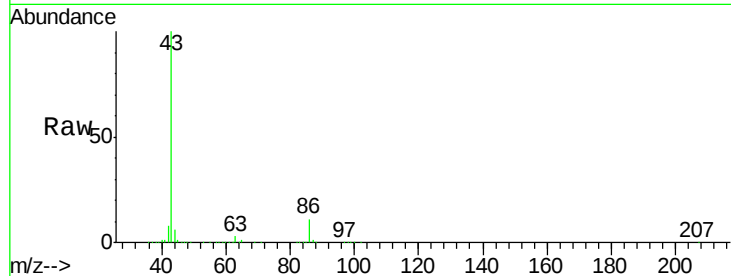
86 10.6 8.6 12.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 46.359 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD065318.D

Acq: 26 Feb 2020 10:17

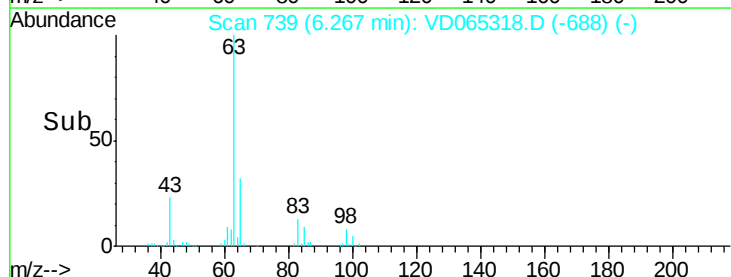
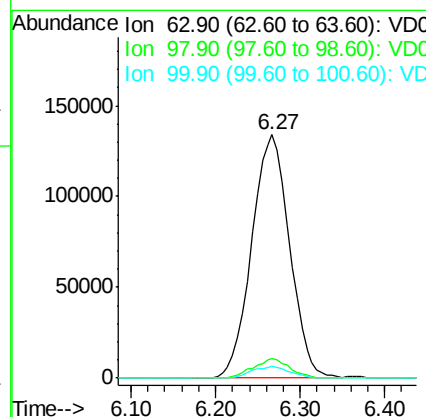
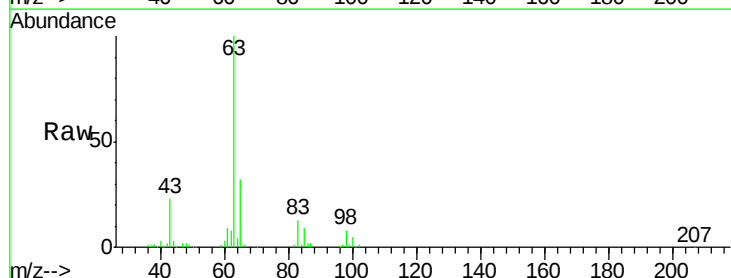
Tgt Ion: 63 Resp: 417669

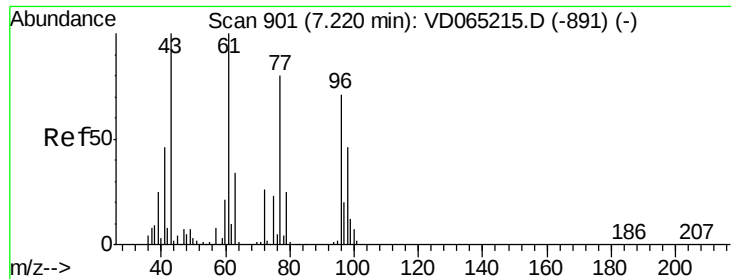
Ion Ratio Lower Upper

63 100

98 8.3 3.4 10.1

100 5.0 2.3 6.8





#25

2-Butanone

Concen: 228.544 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD065318.D

Acq: 26 Feb 2020 10:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 318222

Ion Ratio Lower Upper

43 100

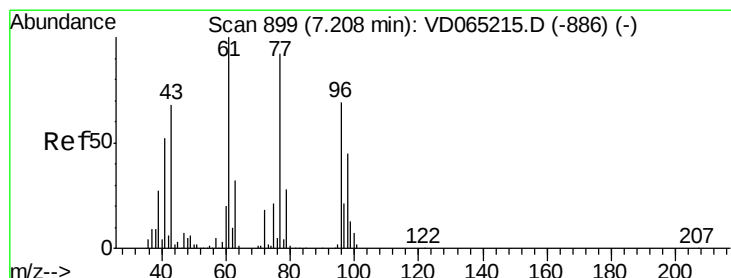
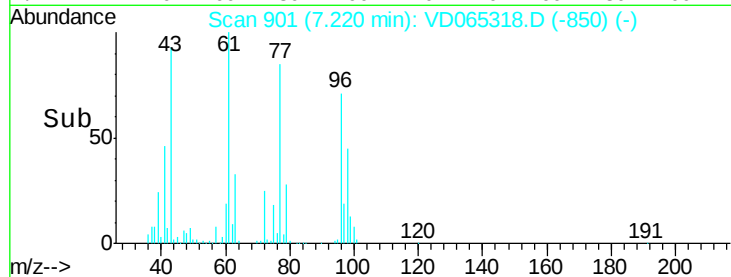
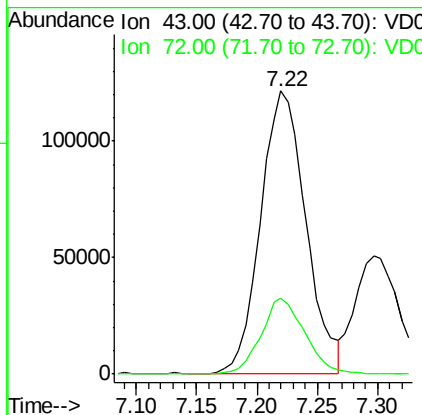
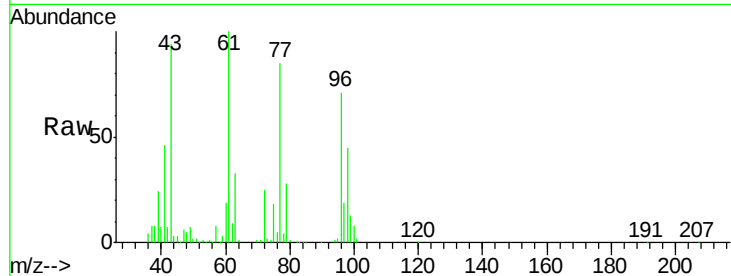
72 26.9 20.9 31.3

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 47.155 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD065318.D

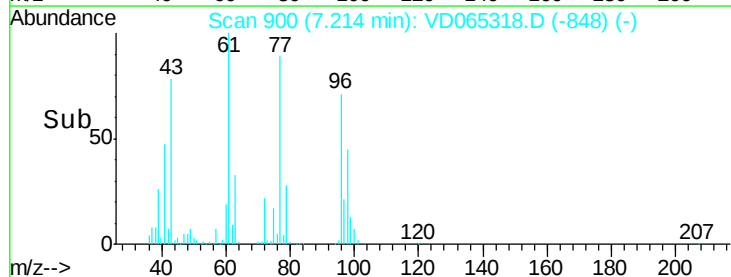
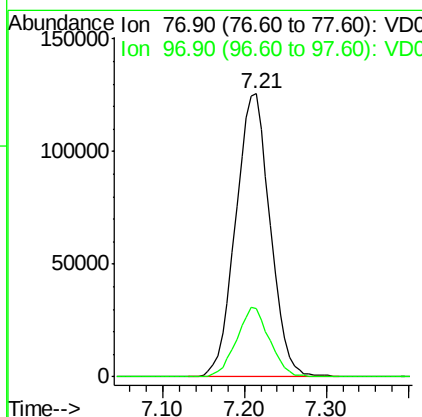
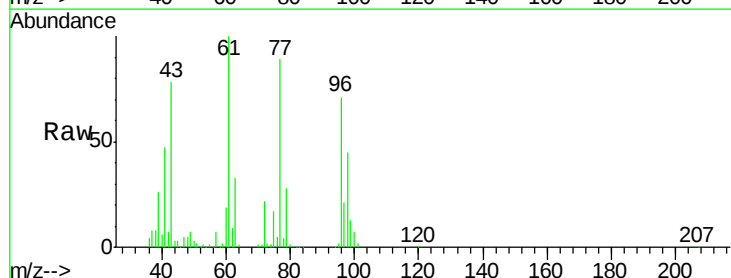
Acq: 26 Feb 2020 10:17

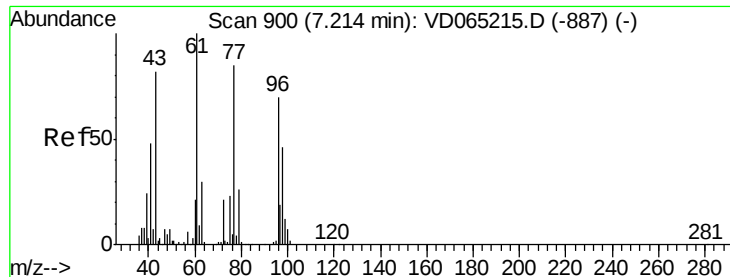
Tgt Ion: 77 Resp: 368602

Ion Ratio Lower Upper

77 100

97 23.5 11.7 35.1





#27

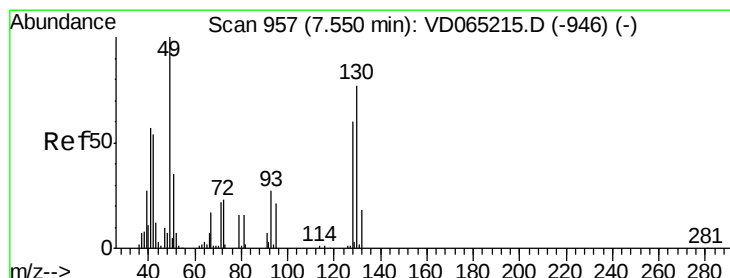
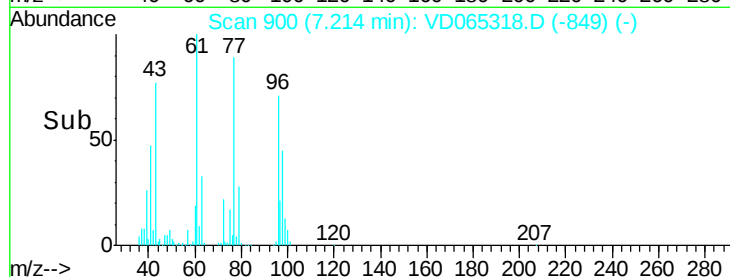
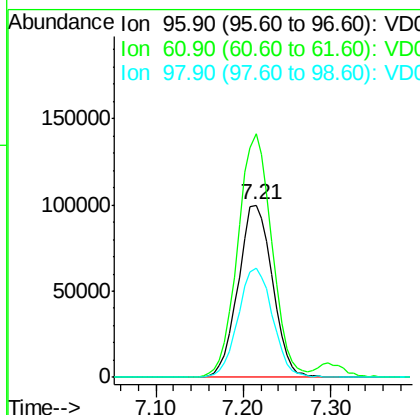
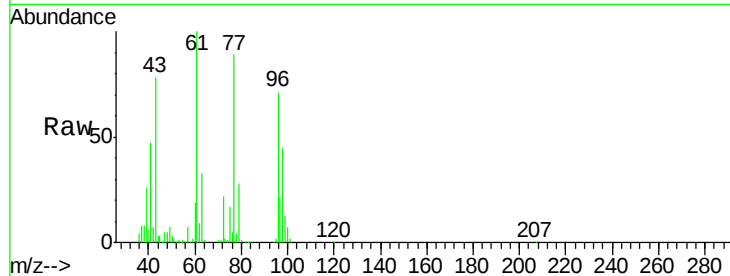
cis-1,2-Dichloroethene
 Concen: 47.538 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD065318.D
 Acq: 26 Feb 2020 10:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	265602		
61	140.4	0.0	286.0	
98	63.8	0.0	127.8	

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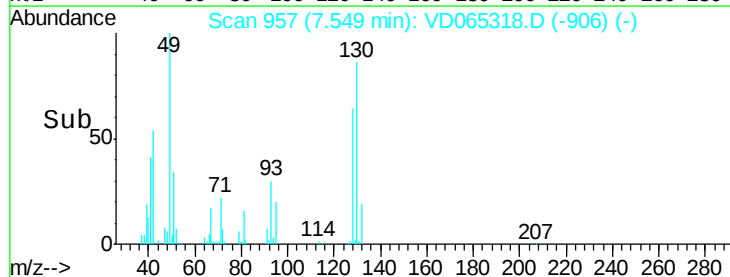
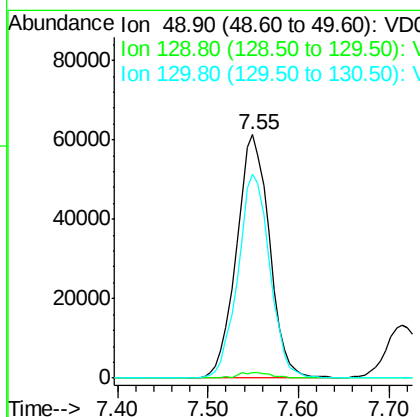
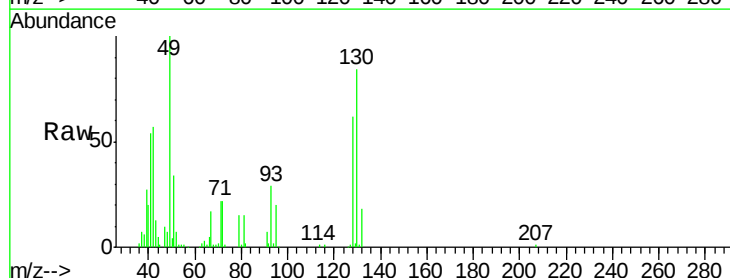
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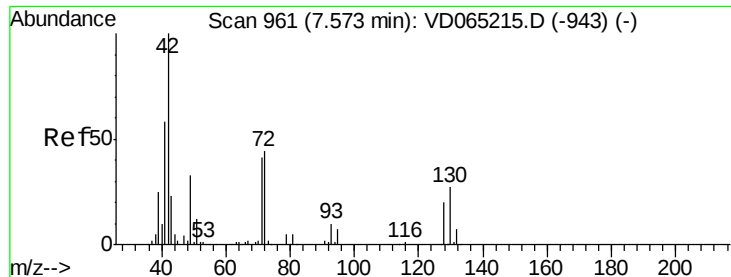


#28

Bromochloromethane
 Concen: 46.369 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VD065318.D
 Acq: 26 Feb 2020 10:17

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	154988		
129	2.3	0.0	4.6	
130	81.1	64.7	97.1	





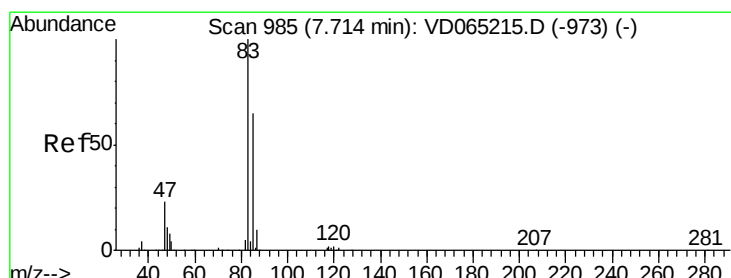
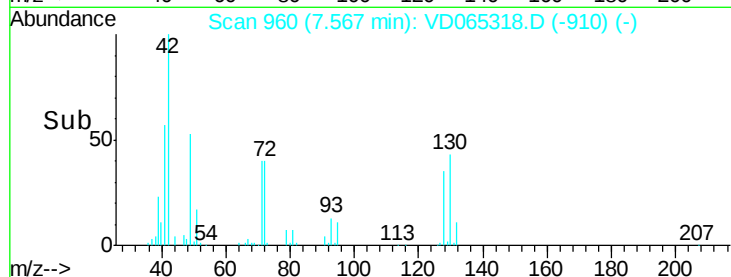
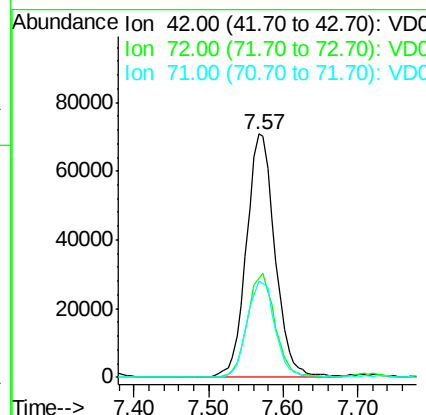
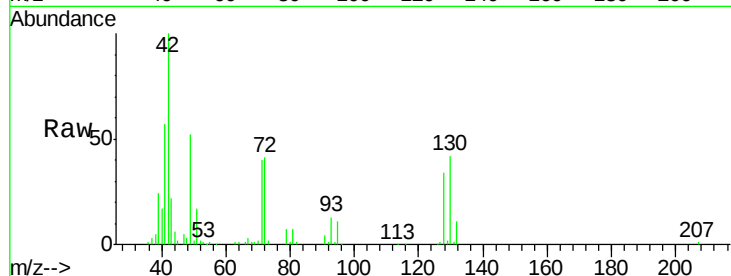
#29
Tetrahydrofuran
Concen: 231.630 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065318.D
Acq: 26 Feb 2020 10:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.1	33.7	50.5
71	38.8	31.4	47.2

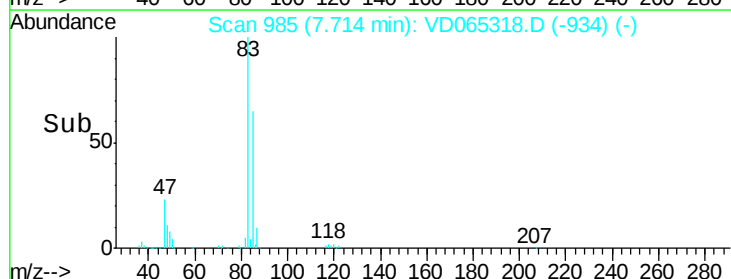
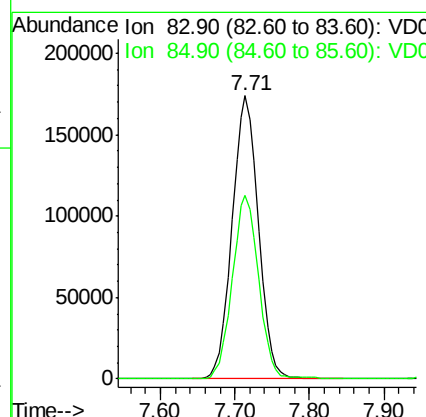
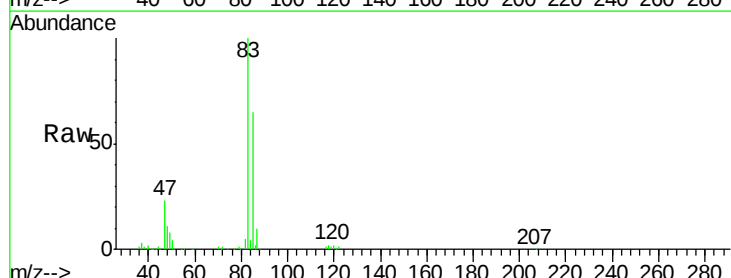
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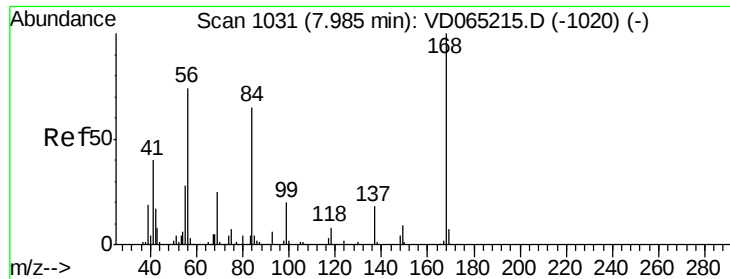
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#30
Chloroform
Concen: 46.887 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065318.D
Acq: 26 Feb 2020 10:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.3	78.5





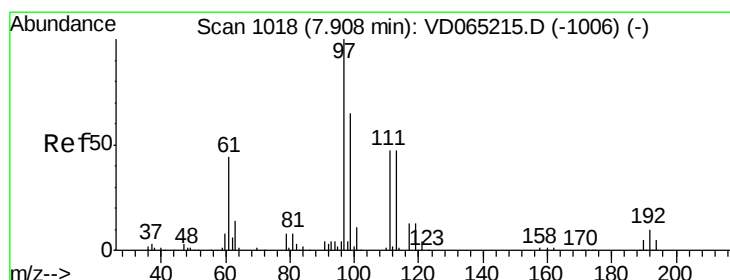
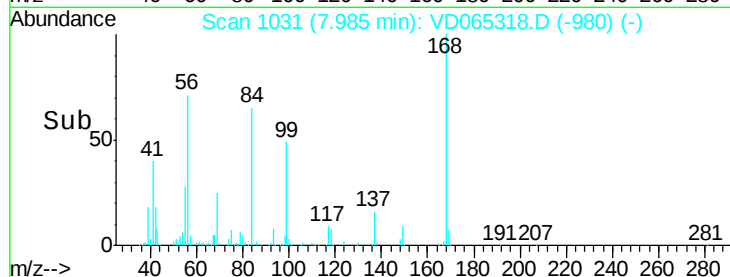
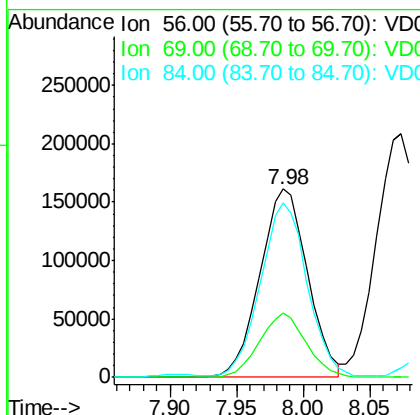
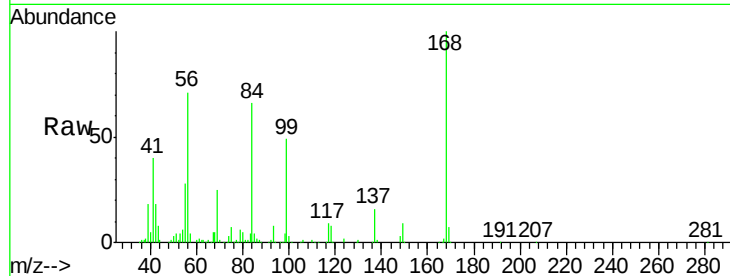
#31
Cyclohexane
Concen: 45.051 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065318.D
Acq: 26 Feb 2020 10:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.3	27.4	41.0
84	91.2	71.1	106.7

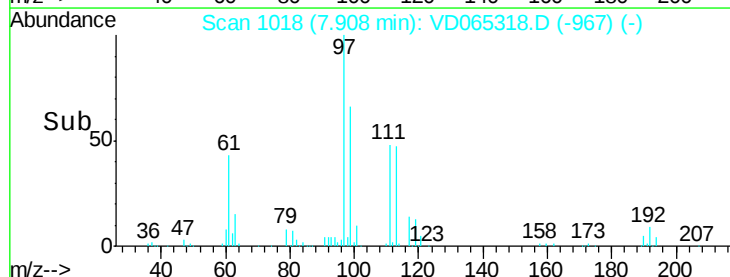
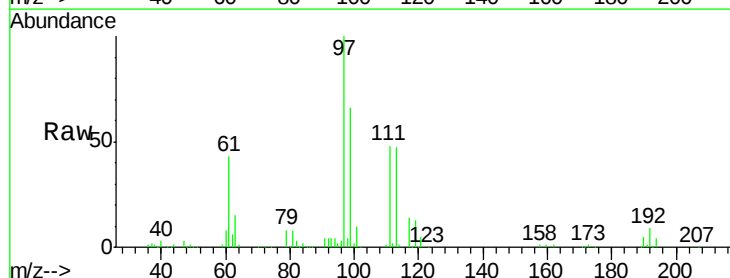
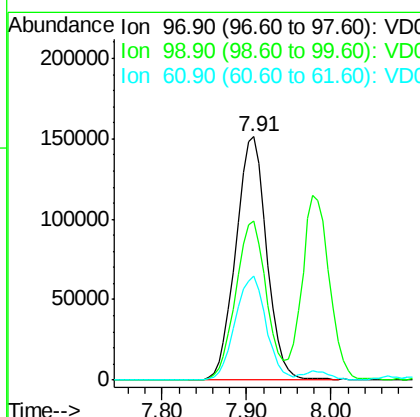
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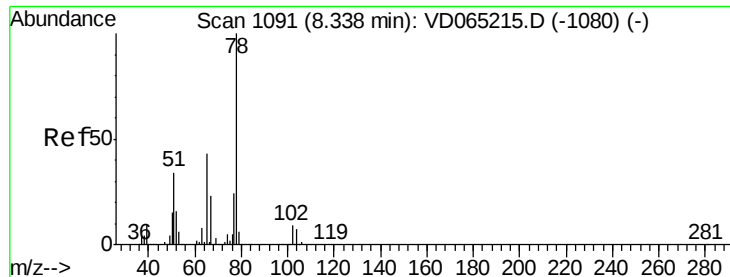
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#32
1,1,1-Trichloroethane
Concen: 47.179 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD065318.D
Acq: 26 Feb 2020 10:17

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.4	77.2
61	42.8	34.8	52.2





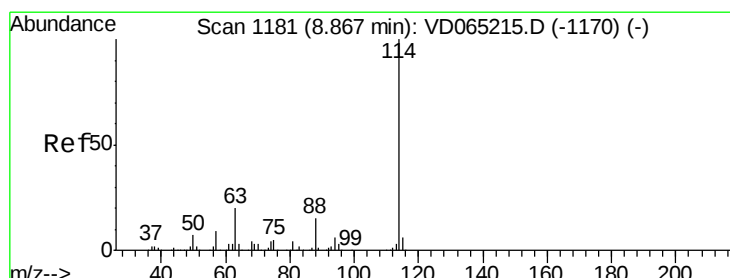
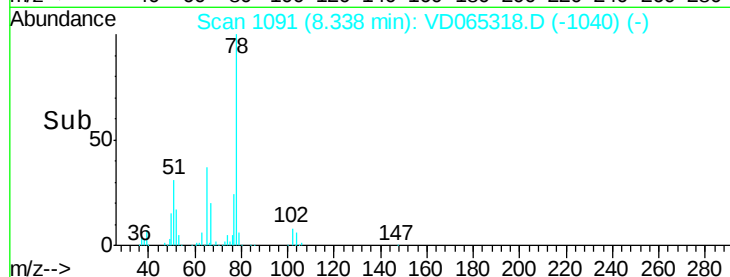
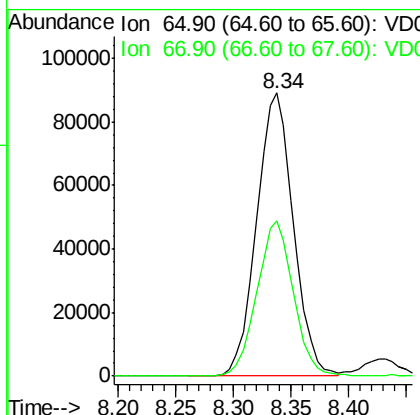
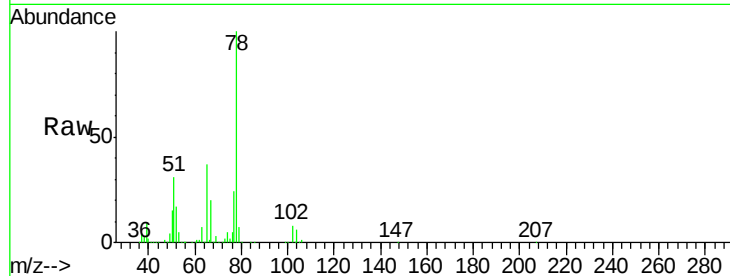
#33
 1,2-Dichloroethane-d4
 Concen: 43.879 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065318.D
 Acq: 26 Feb 2020 10:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.2	0.0	106.8

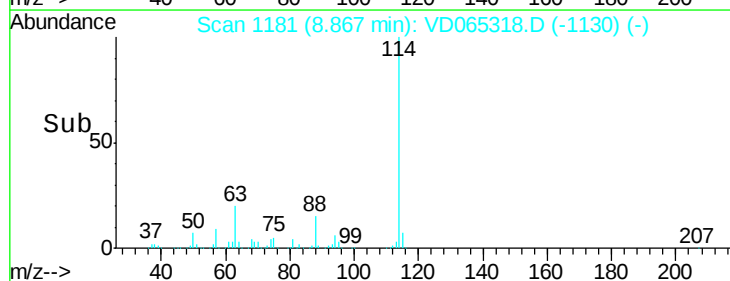
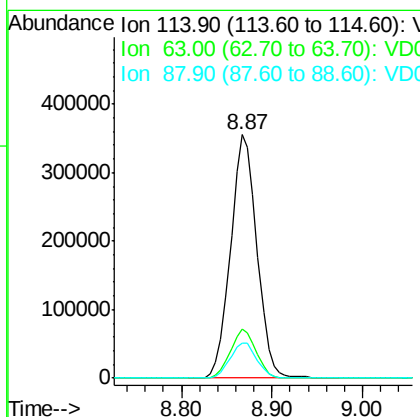
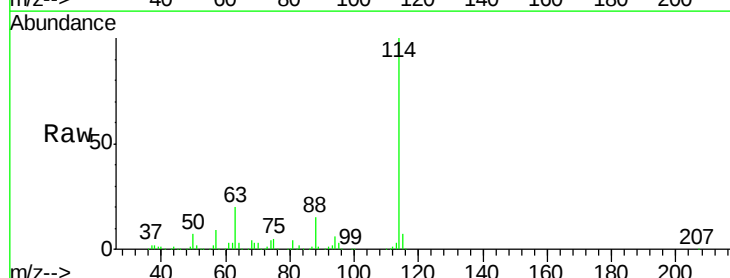
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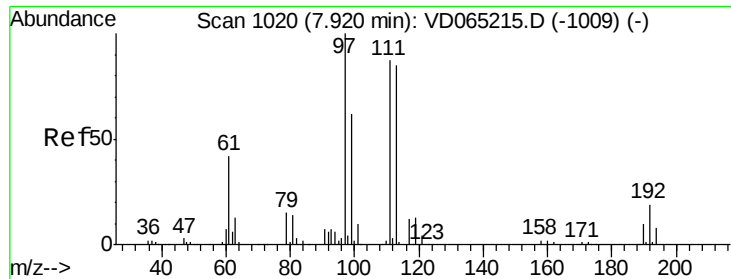
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065318.D
 Acq: 26 Feb 2020 10:17

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	39.4
88	14.6	0.0	30.4





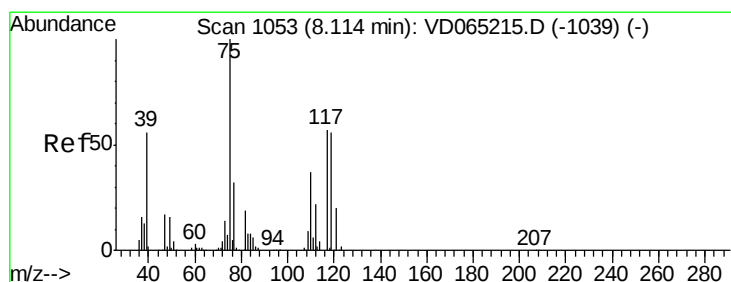
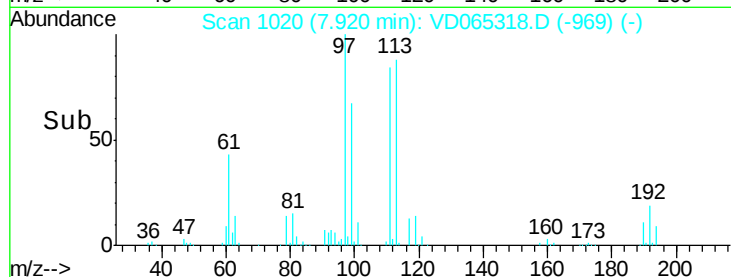
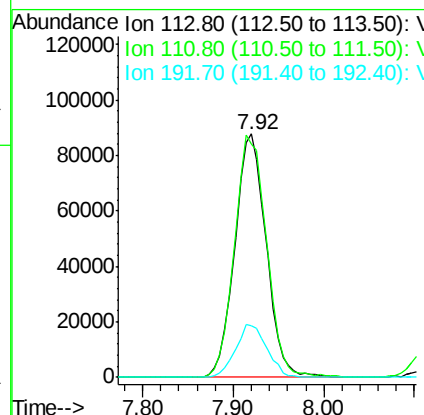
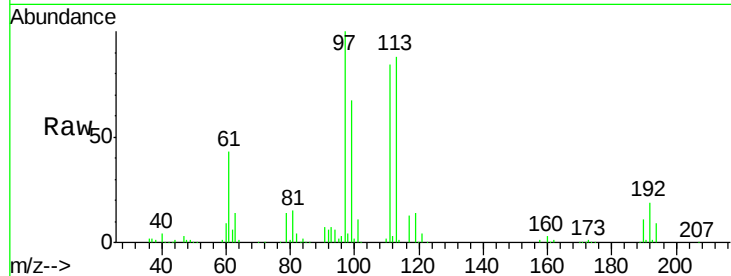
#35
 Dibromofluoromethane
 Concen: 48.266 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065318.D
 Acq: 26 Feb 2020 10:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	211178		
111	102.3	82.9	124.3	
192	21.6	17.3	25.9	

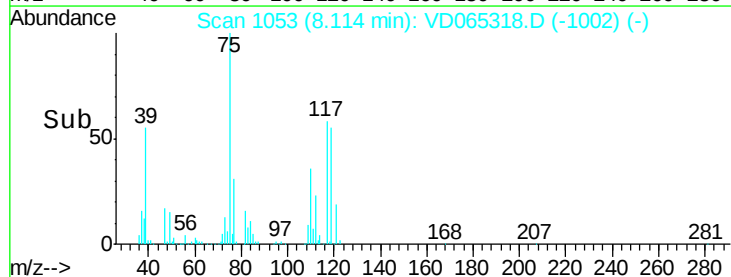
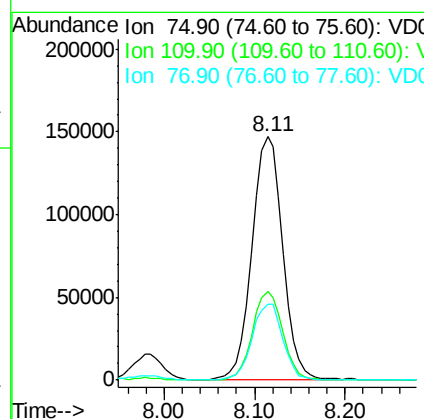
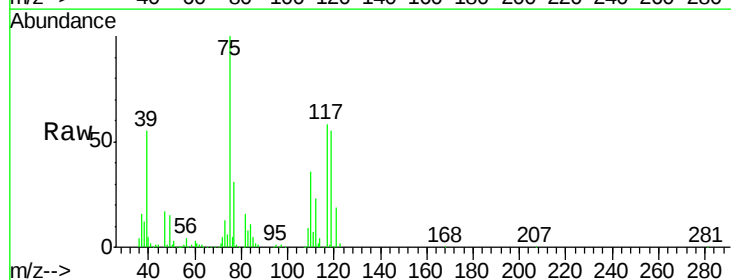
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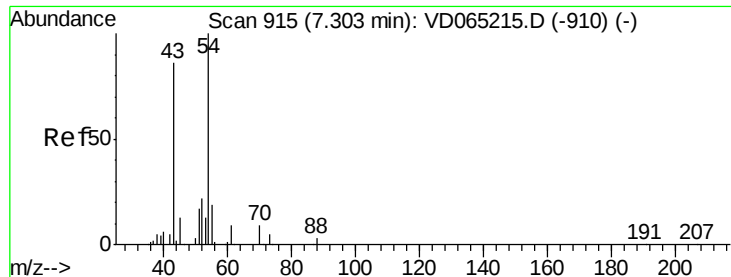
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#36
 1,1-Dichloropropene
 Concen: 49.572 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065318.D
 Acq: 26 Feb 2020 10:17

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	346110		
110	36.0	17.9	53.7	
77	31.4	25.1	37.7	





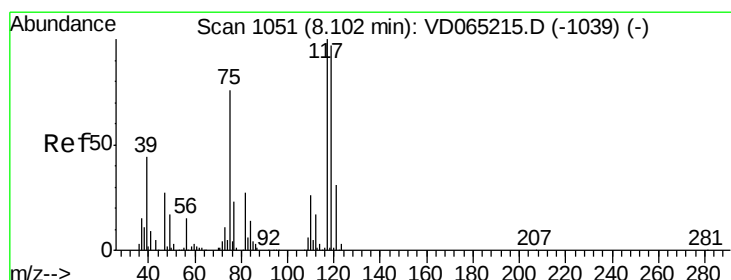
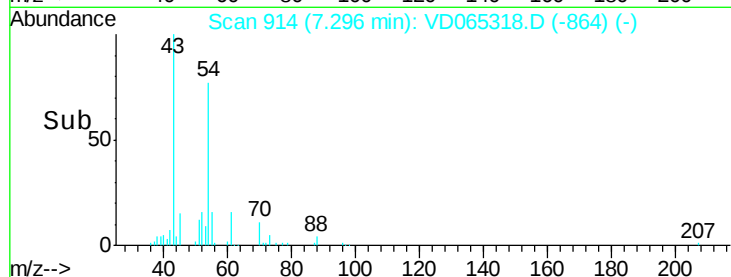
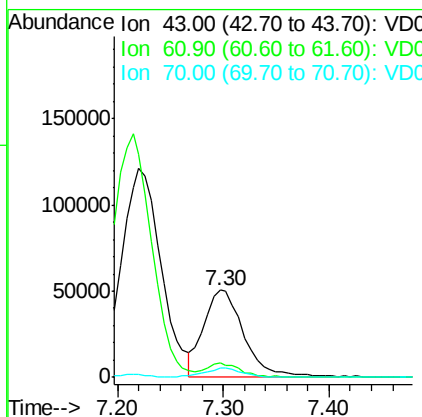
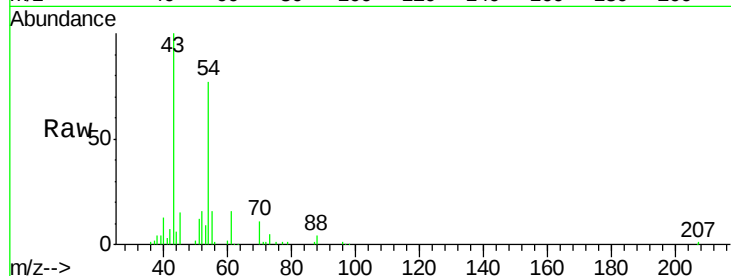
#37
Ethyl Acetate
Concen: 45.367 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD065318.D
Acq: 26 Feb 2020 10:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.2	16.8
70	10.4	8.2	12.2

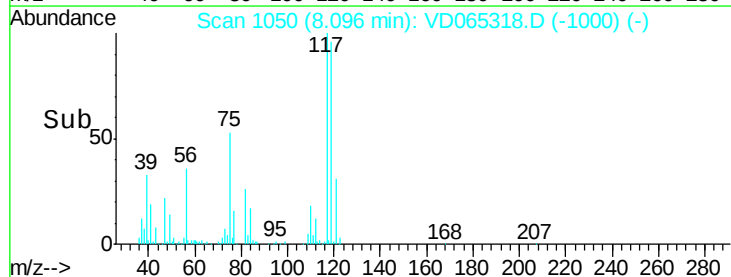
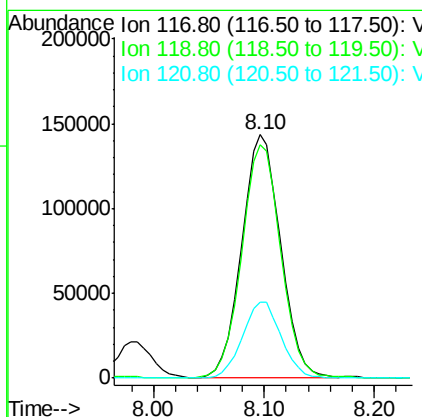
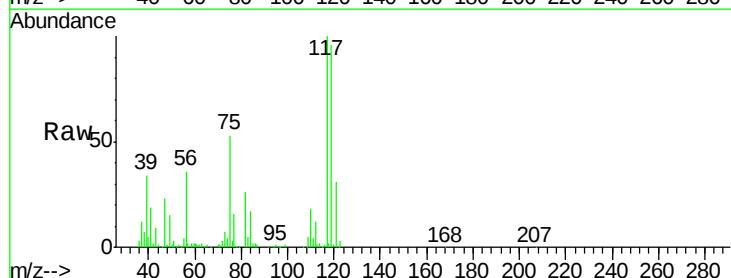
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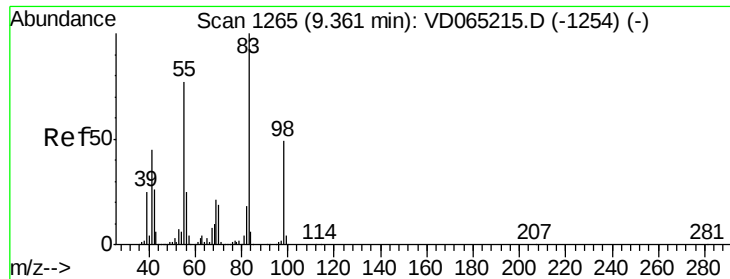
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#38
Carbon Tetrachloride
Concen: 49.551 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065318.D
Acq: 26 Feb 2020 10:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	77.6	116.4
121	31.4	24.8	37.2





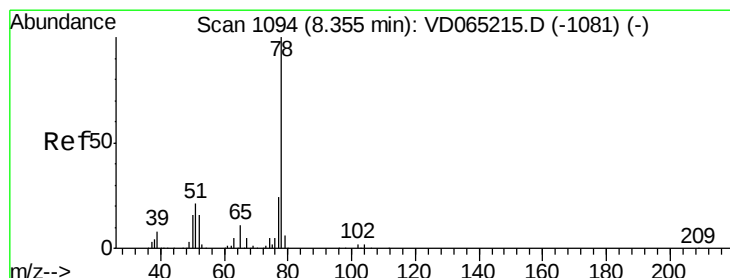
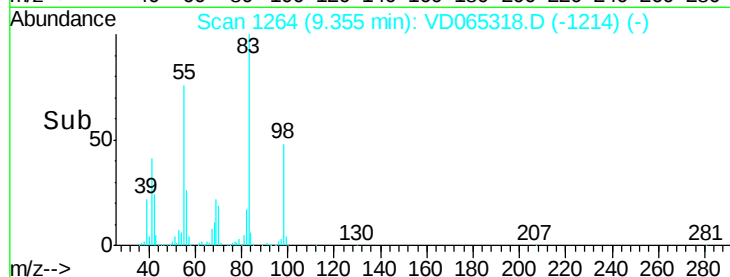
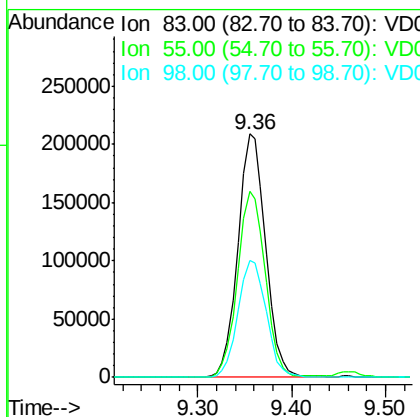
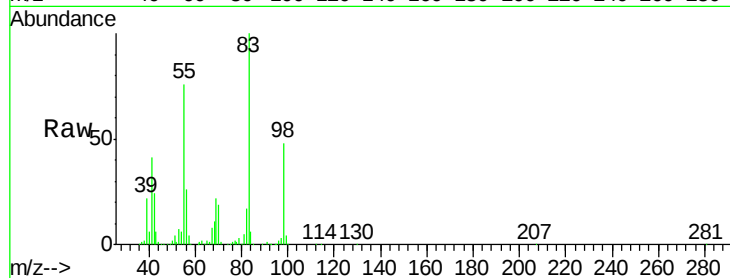
#39
Methvlcvclohexane
Concen: 51.975 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065318.D
Acq: 26 Feb 2020 10:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	426622
Ion	Ratio	Lower	Upper
83	100		
55	76.3	61.8	92.6
98	48.1	39.4	59.0

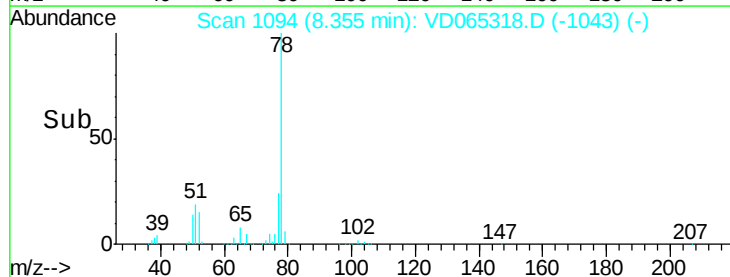
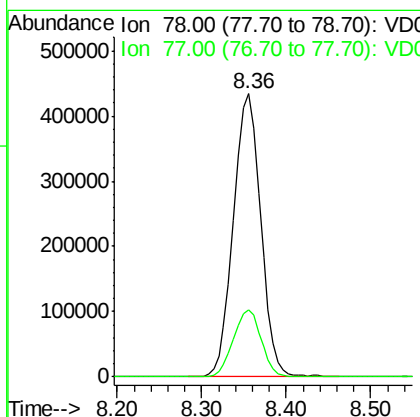
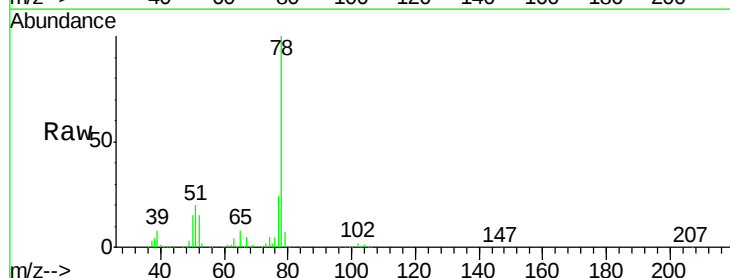
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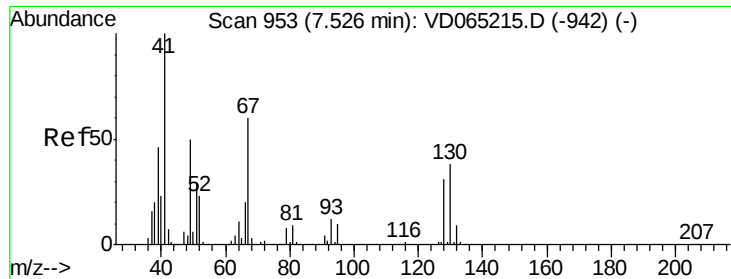
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#40
Benzene
Concen: 49.297 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065318.D
Acq: 26 Feb 2020 10:17

Tgt Ion	78	Resp	971492
Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.0	28.6





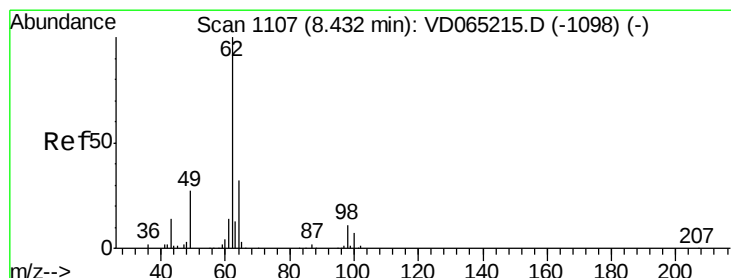
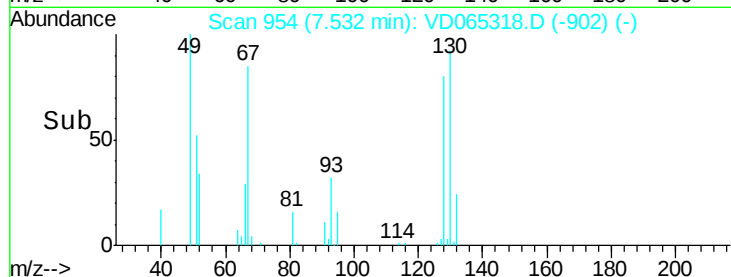
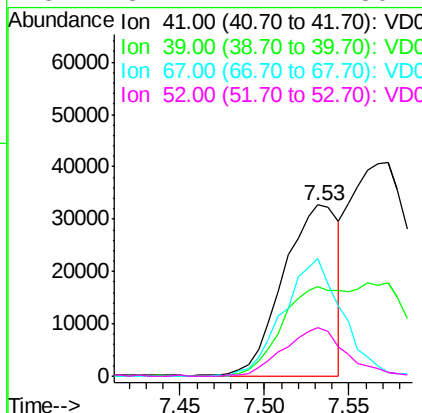
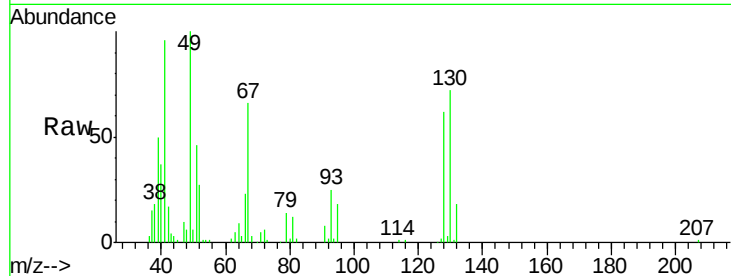
#41
Methacrylonitrile
Concen: 44.065 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD065318.D
Acq: 26 Feb 2020 10:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	61.2	48.1	72.1	
67	73.4	58.9	88.3	
52	32.2	24.2	36.2	

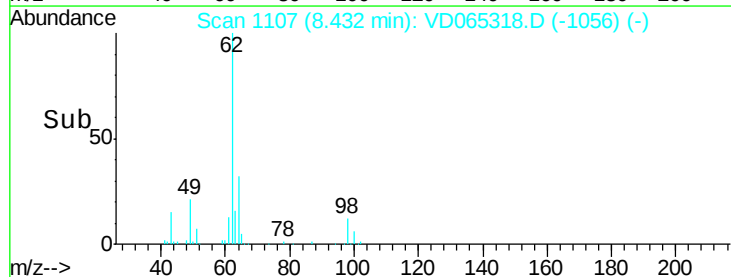
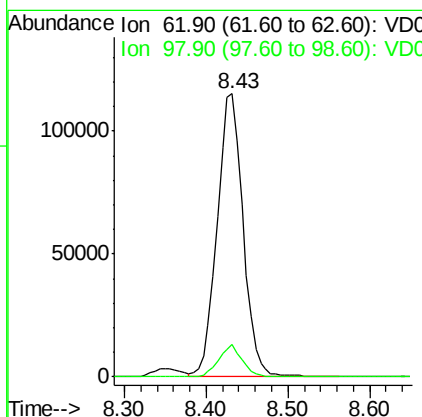
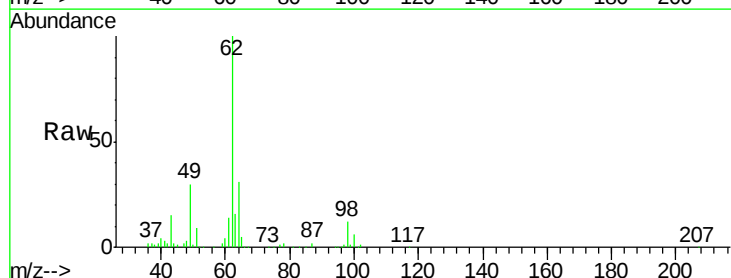
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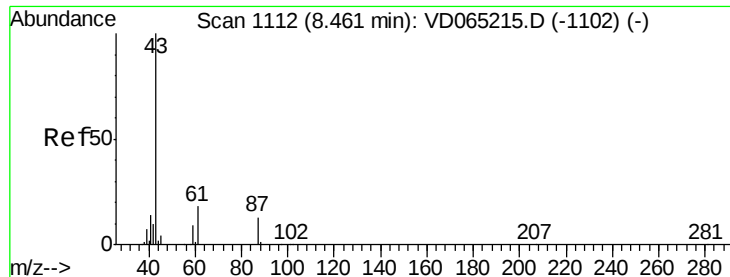
MMDadoda
2/27/2020 11:39:19 AM



#42
1,2-Dichloroethane
Concen: 46.831 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VD065318.D
Acq: 26 Feb 2020 10:17

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.3	0.0	20.6	





#43

Isopropyl Acetate

Concen: 46.085 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD065318.D

Acq: 26 Feb 2020 10:17

Instrument :

MSVOA_D

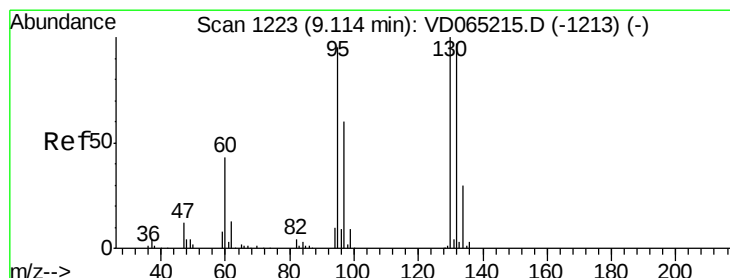
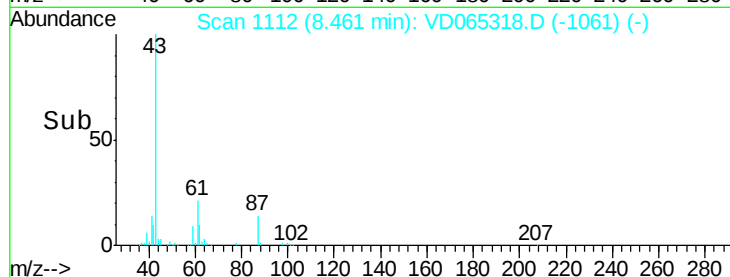
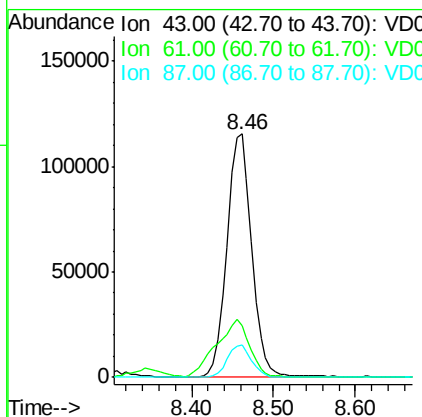
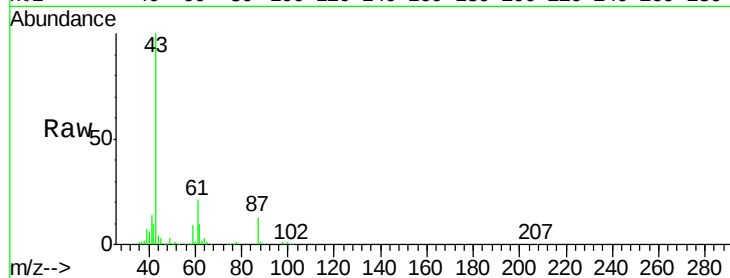
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	244607
Ion	Ratio	Lower	Upper
43	100		
61	32.1	24.6	36.8
87	13.3	10.6	16.0

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#44

Trichloroethene

Concen: 49.176 ug/l

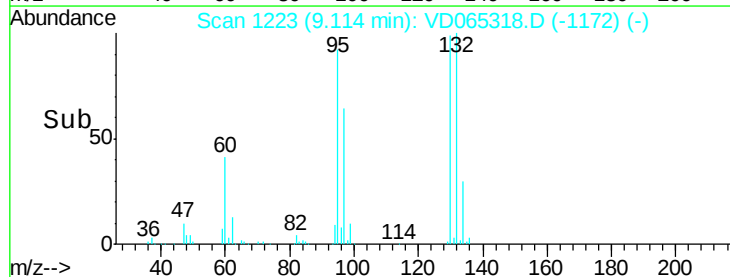
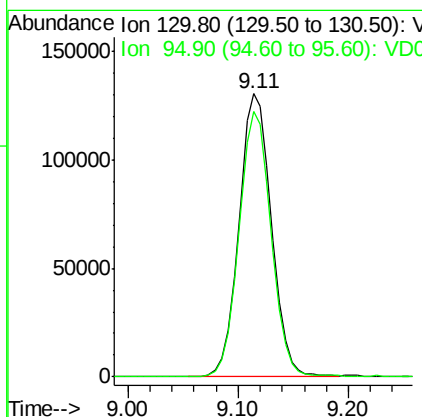
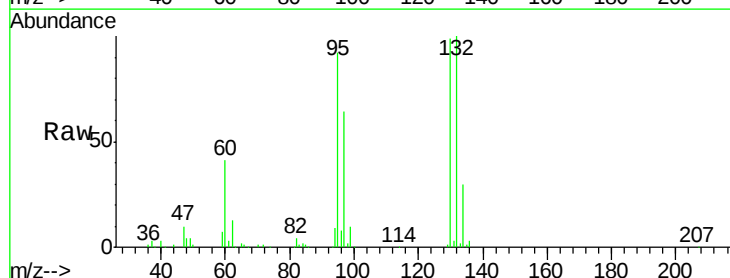
RT: 9.11 min Scan# 1223

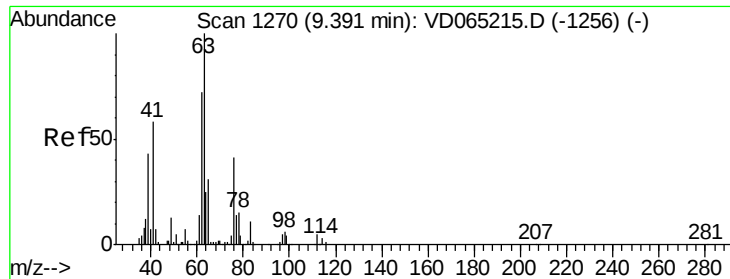
Delta R.T. -0.00 min

Lab File: VD065318.D

Acq: 26 Feb 2020 10:17

Tgt Ion:	130	Resp:	268638
Ion	Ratio	Lower	Upper
130	100		
95	93.8	0.0	190.6





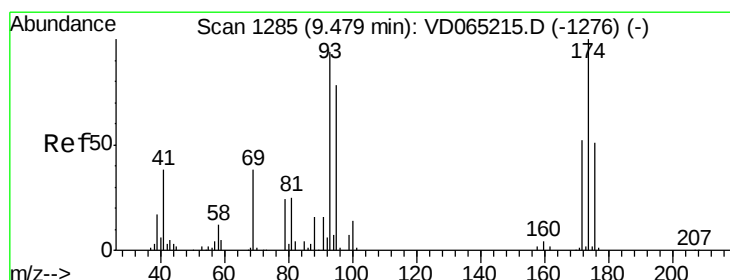
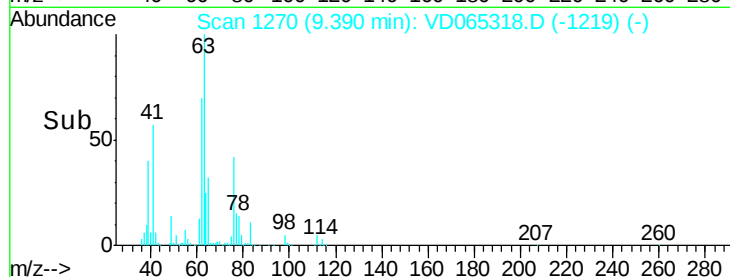
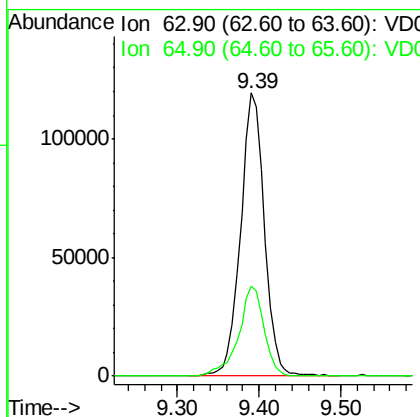
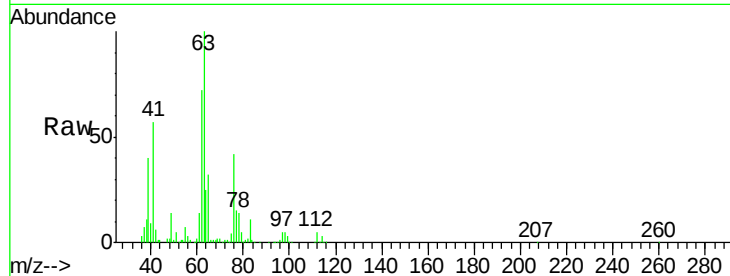
#45
 1,2-Dichloropropane
 Concen: 49.410 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065318.D
 Acq: 26 Feb 2020 10:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.9	24.9	37.3

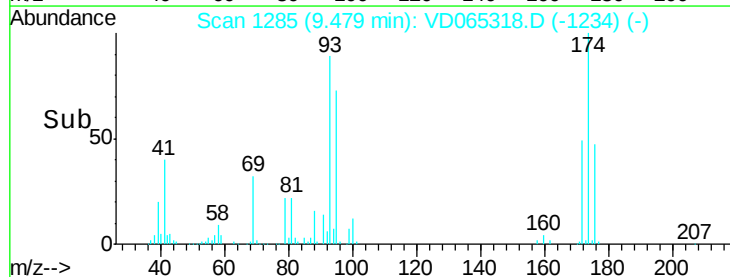
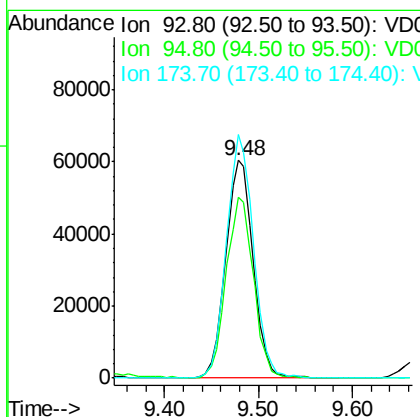
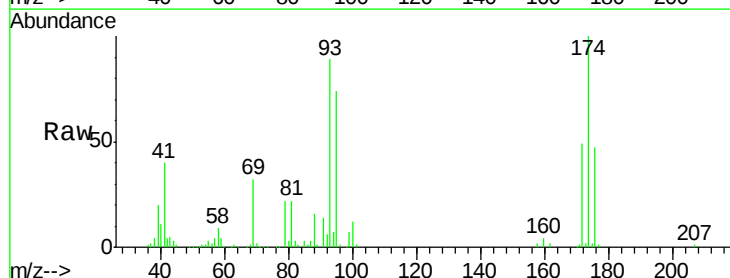
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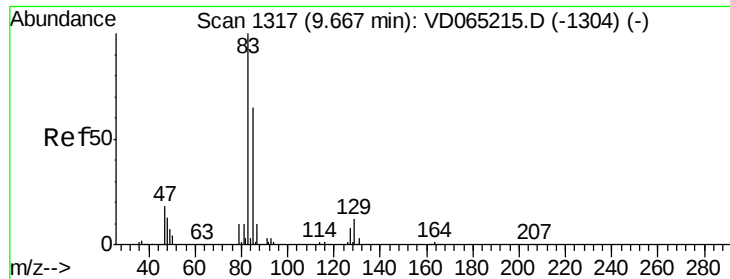
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#46
 Dibromomethane
 Concen: 48.604 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD065318.D
 Acq: 26 Feb 2020 10:17

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.7	65.8	98.6
174	110.1	86.8	130.2





#47

Bromodichloromethane

Concen: 48.575 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065318.D

Acq: 26 Feb 2020 10:17

Instrument :

MSVOA_D

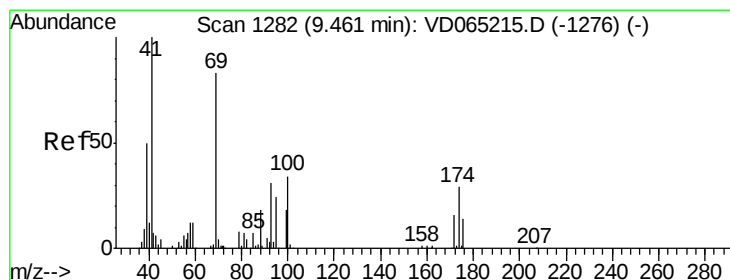
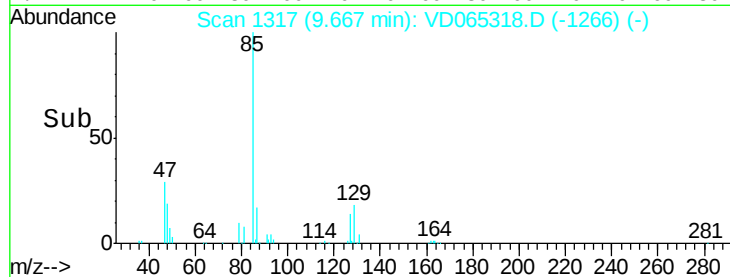
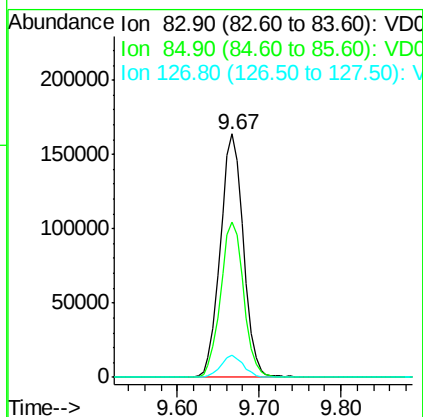
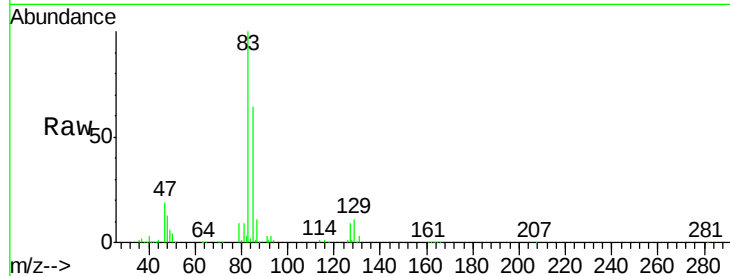
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	322762
Ion	Ratio	Lower	Upper
83	100		
85	63.9	52.0	78.0
127	9.0	6.7	10.1

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#48

Methyl methacrylate

Concen: 47.353 ug/l

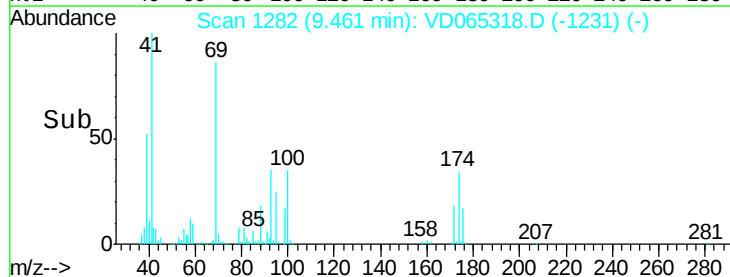
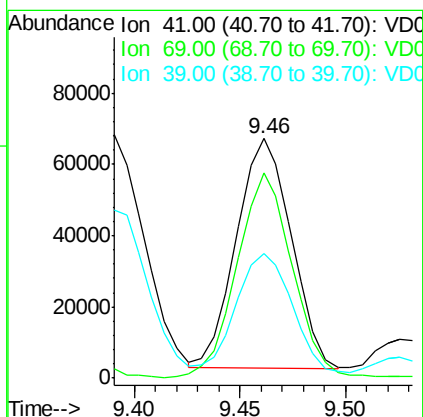
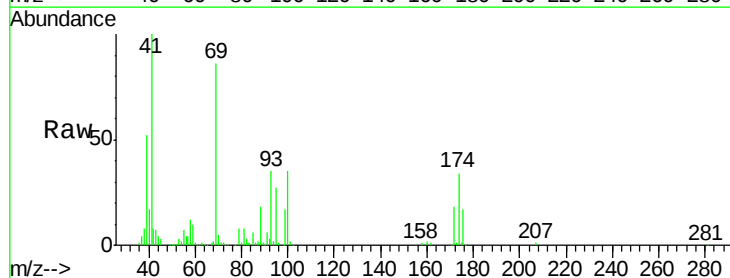
RT: 9.46 min Scan# 1282

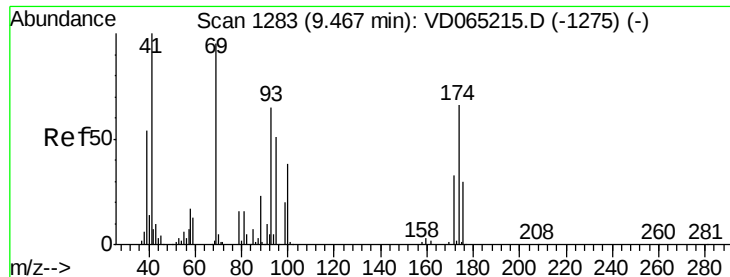
Delta R.T. -0.00 min

Lab File: VD065318.D

Acq: 26 Feb 2020 10:17

Tgt Ion:	41	Resp:	116174
Ion	Ratio	Lower	Upper
41	100		
69	91.9	68.2	102.2
39	52.8	42.0	63.0





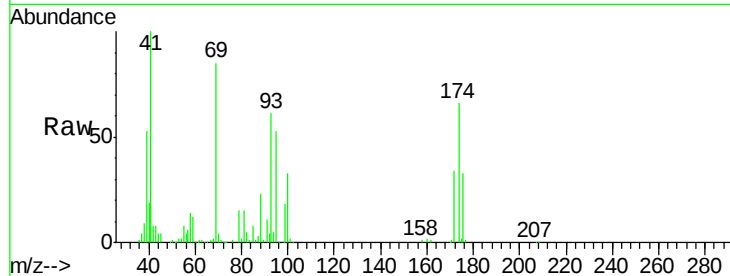
#49
1,4-Dioxane
Concen: 953.934 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD065318.D
Acq: 26 Feb 2020 10:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

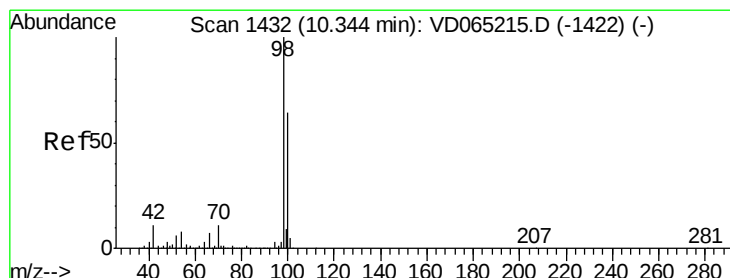
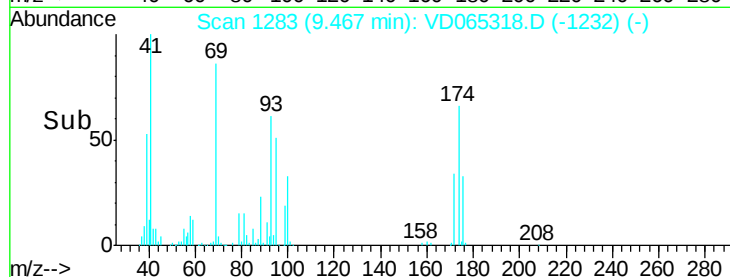
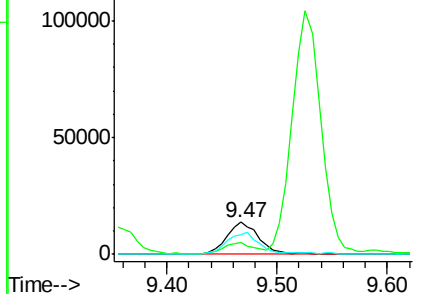
Tot Ion	Ratio	Lower	Upper
88	100		
43	33.9	28.5	42.7
58	68.6	58.6	87.8

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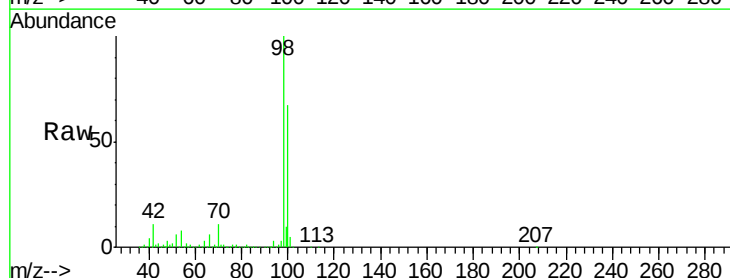


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

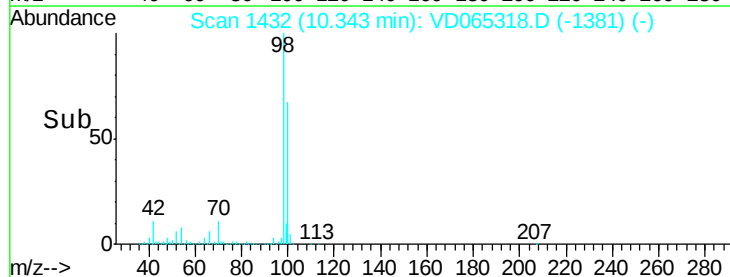
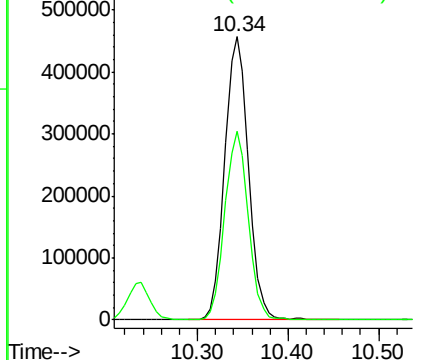


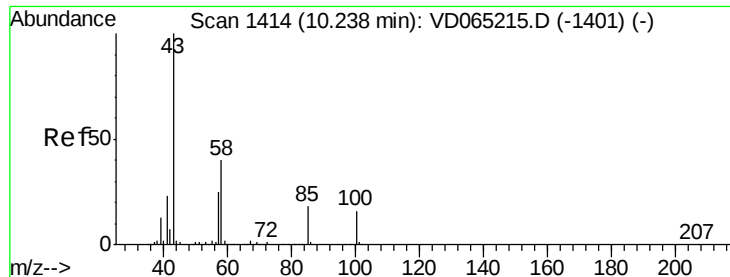
#50
Toluene-d8
Concen: 49.670 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065318.D
Acq: 26 Feb 2020 10:17

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.0	78.0



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 239.340 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD065318.D

Acq: 26 Feb 2020 10:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 645221

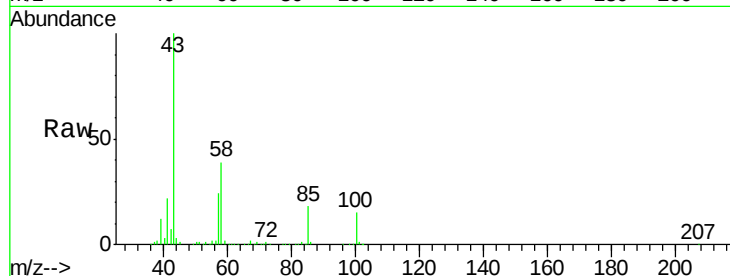
Ion Ratio Lower Upper

43 100

58 39.3 31.1 46.7

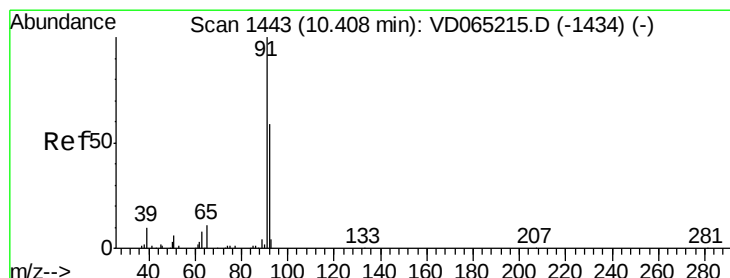
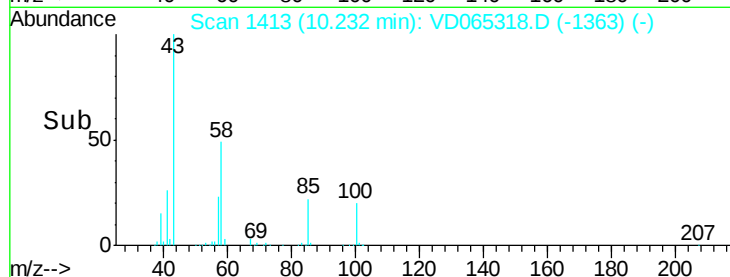
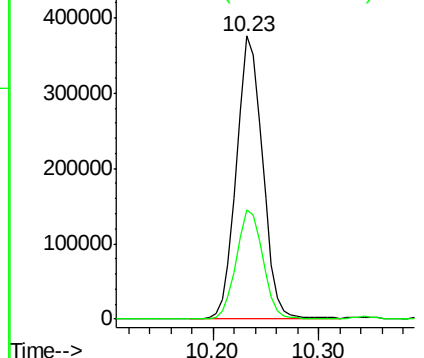
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 51.167 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD065318.D

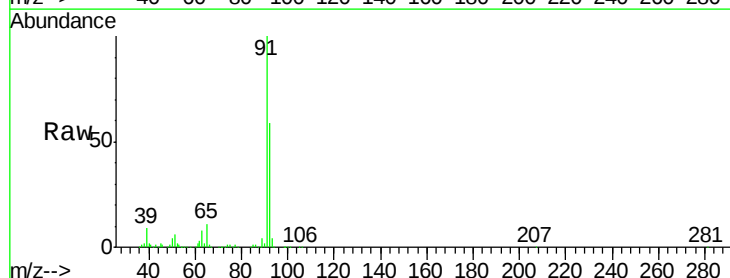
Acq: 26 Feb 2020 10:17

Tgt Ion: 92 Resp: 624146

Ion Ratio Lower Upper

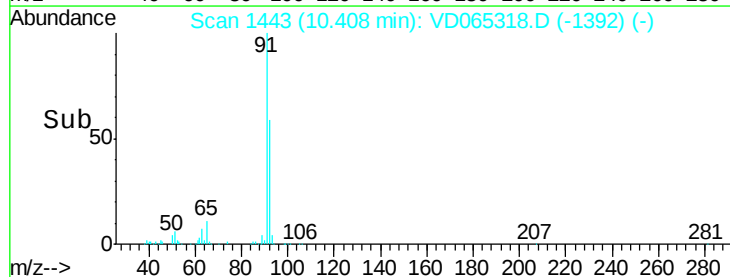
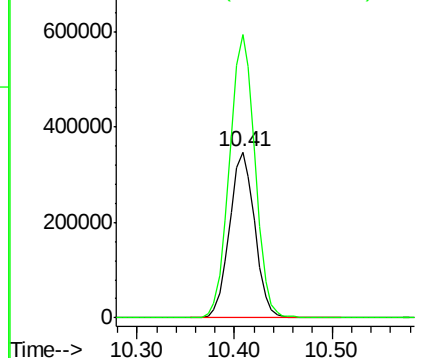
92 100

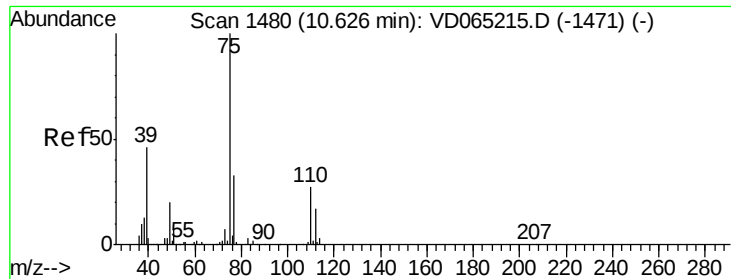
91 172.9 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





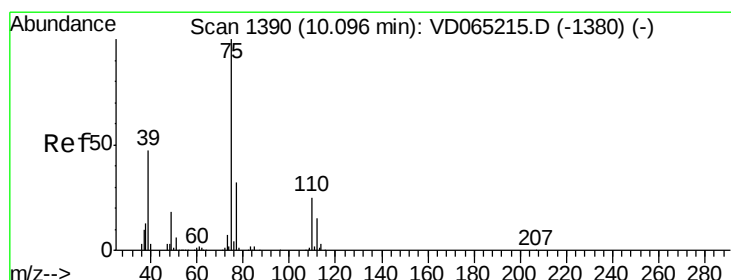
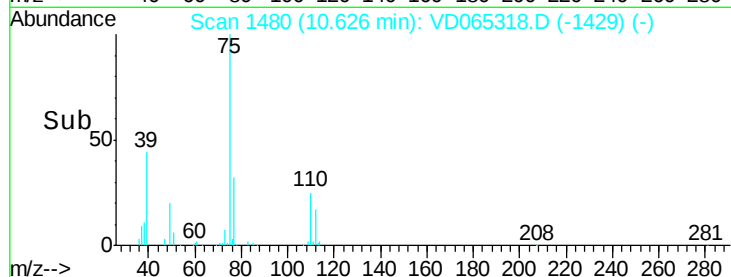
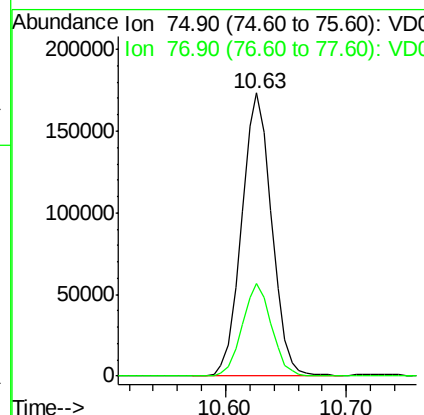
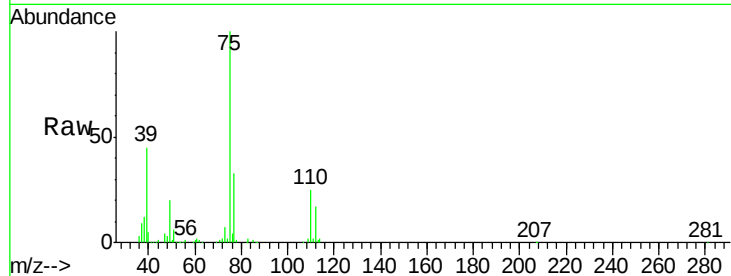
#53
t-1,3-Dichloropropene
Concen: 48.882 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD065318.D
Acq: 26 Feb 2020 10:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.5	26.6	40.0

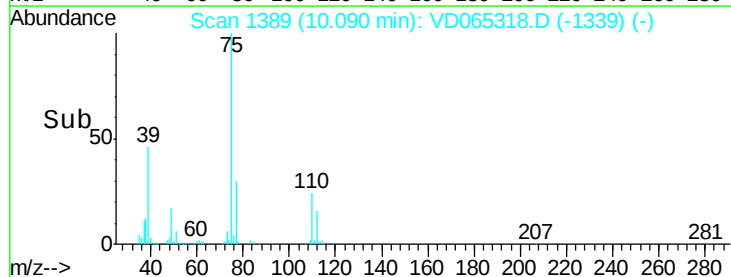
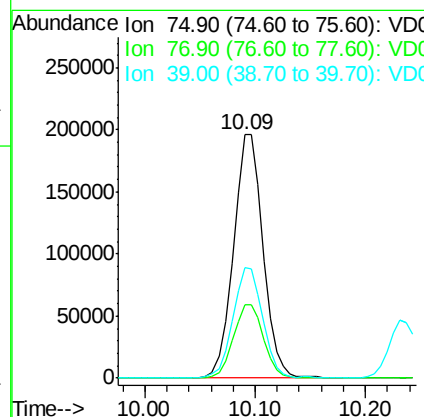
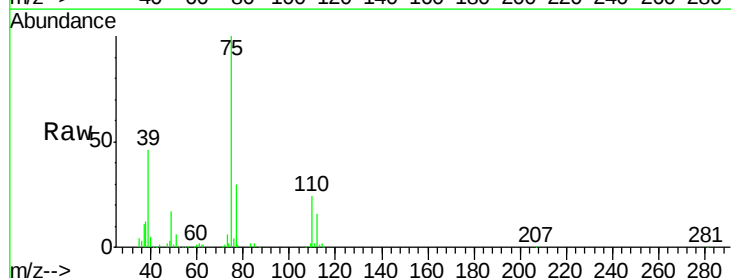
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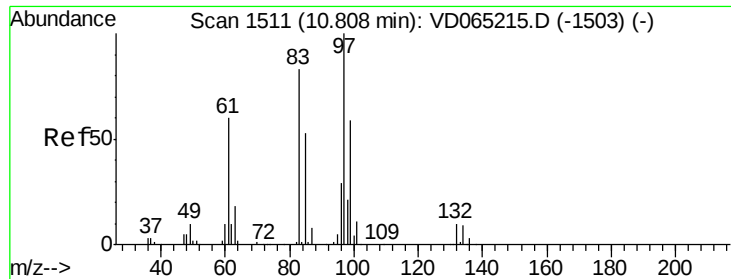
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#54
cis-1,3-Dichloropropene
Concen: 49.531 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VD065318.D
Acq: 26 Feb 2020 10:17

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.3	25.8	38.8
39	45.5	37.3	55.9





#55

1,1,2-Trichloroethane

Concen: 48.606 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.01 min

Lab File: VD065318.D

Acq: 26 Feb 2020 10:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 172490

Ion Ratio Lower Upper

97 100

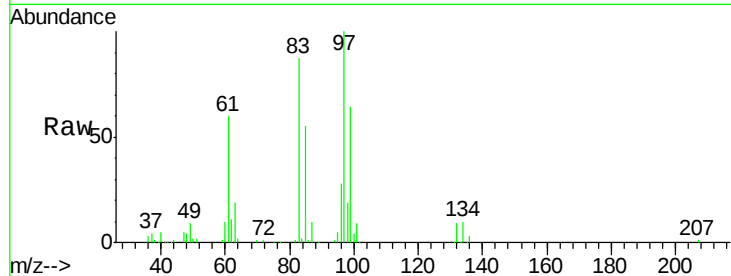
83 87.1 66.7 100.1

85 54.5 42.4 63.6

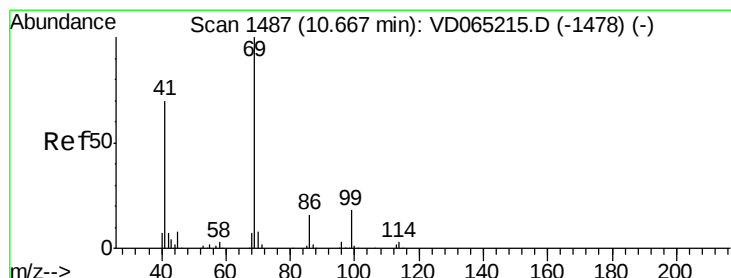
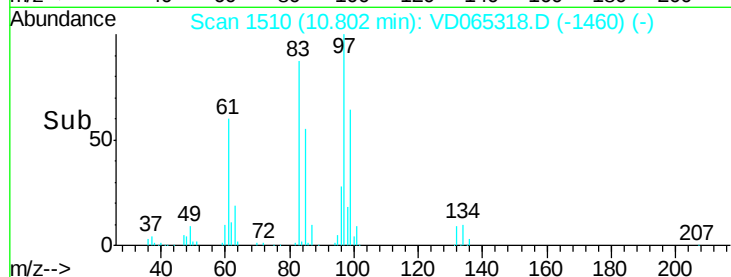
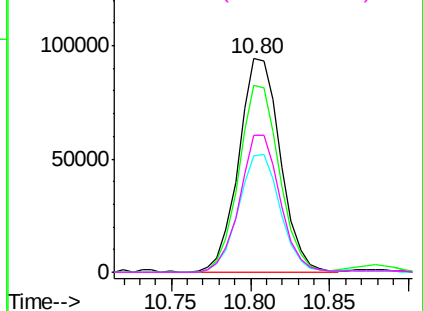
99 63.9 47.5 71.3

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Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 50.601 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VD065318.D

Acq: 26 Feb 2020 10:17

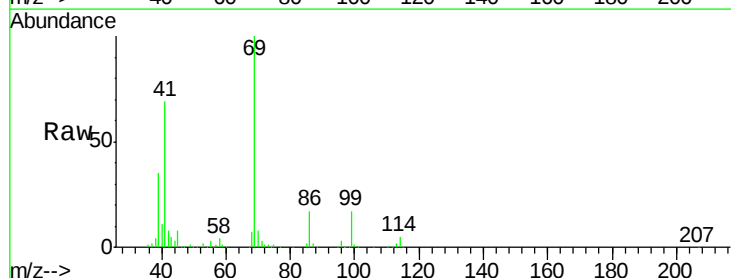
Tgt Ion: 69 Resp: 207265

Ion Ratio Lower Upper

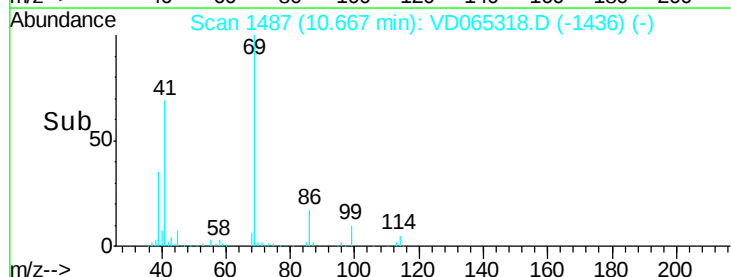
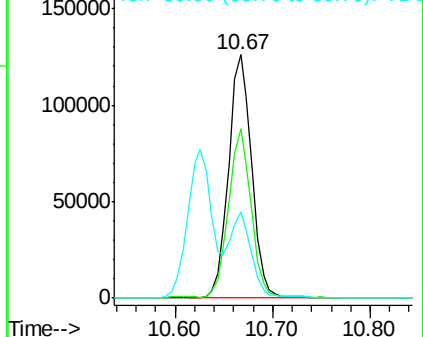
69 100

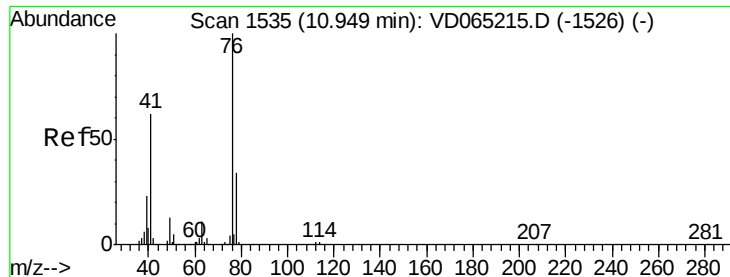
41 67.3 54.6 81.8

39 32.0 26.5 39.7



Abundance Ion 69.00 (68.70 to 69.70): VDC
Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 48.579 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD065318.D

Acq: 26 Feb 2020 10:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 293413

Ion Ratio Lower Upper

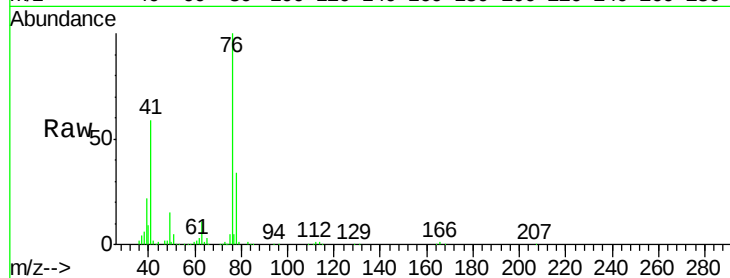
76 100

78 32.5 26.3 39.5

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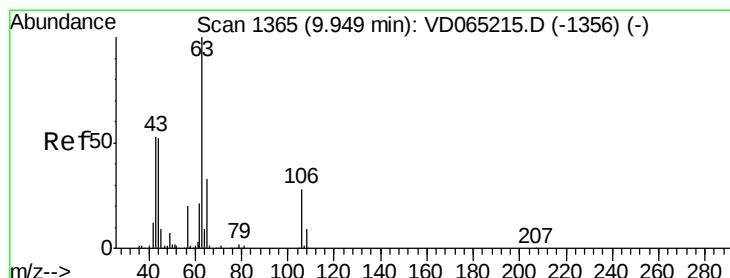
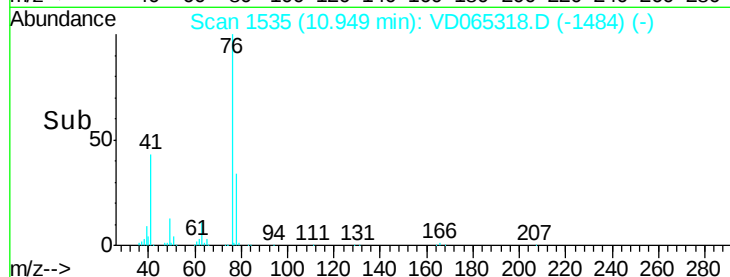
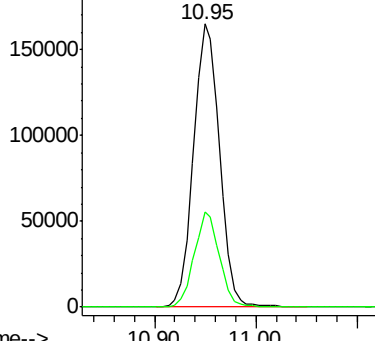
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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 224.651 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. -0.00 min

Lab File: VD065318.D

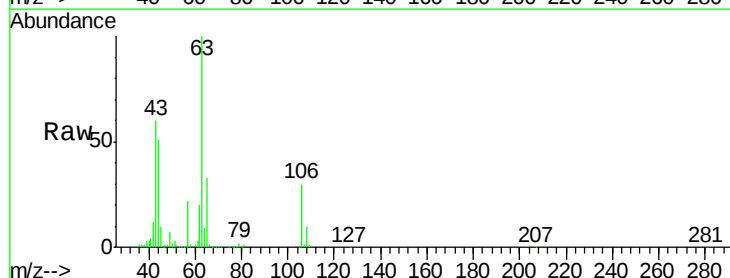
Acq: 26 Feb 2020 10:17

Tgt Ion: 63 Resp: 290108

Ion Ratio Lower Upper

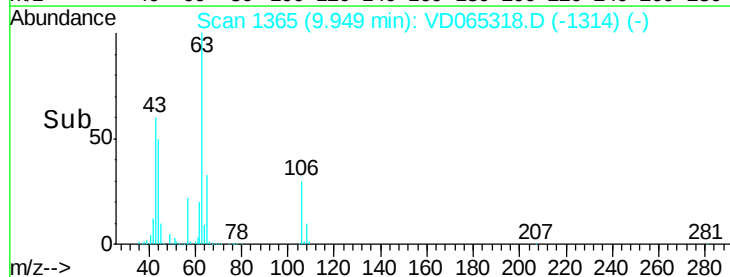
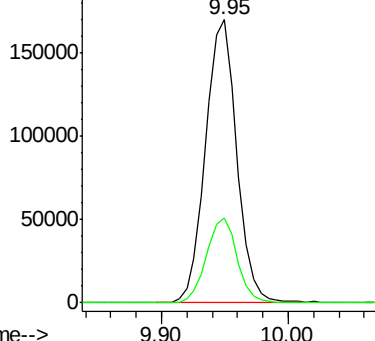
63 100

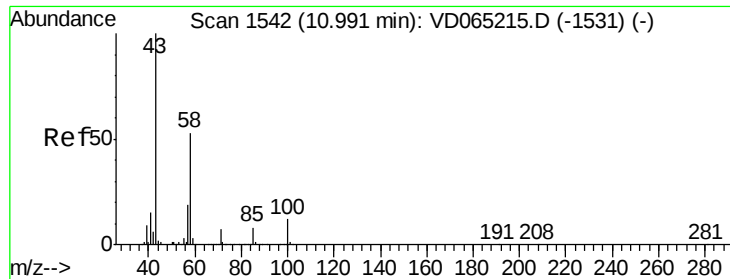
106 29.7 22.8 34.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V





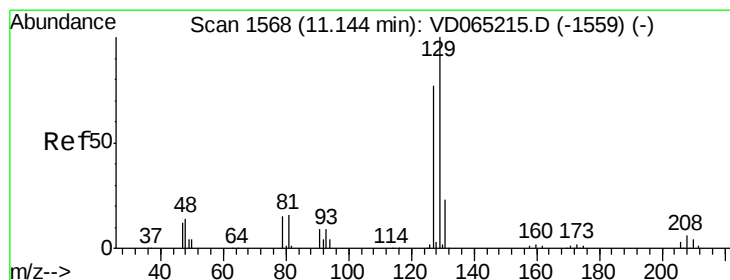
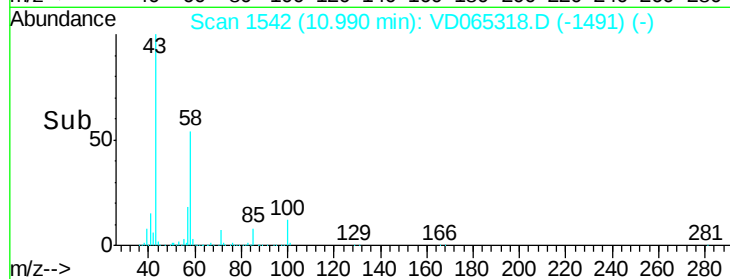
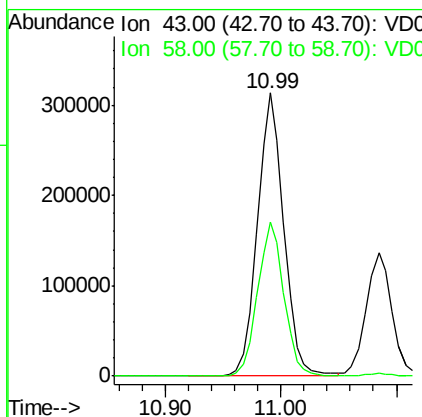
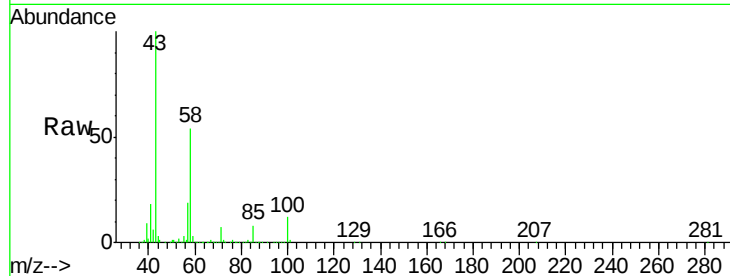
#59
2-Hexanone
Concen: 258.652 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065318.D
Acq: 26 Feb 2020 10:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.3	26.3	78.8

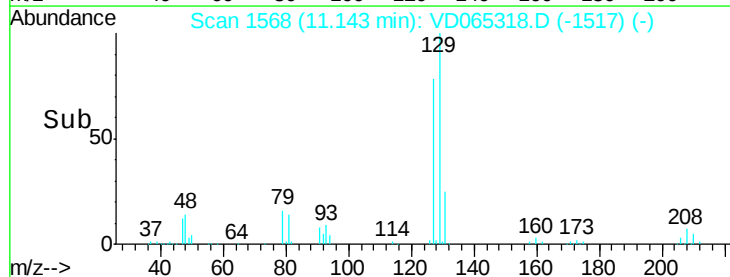
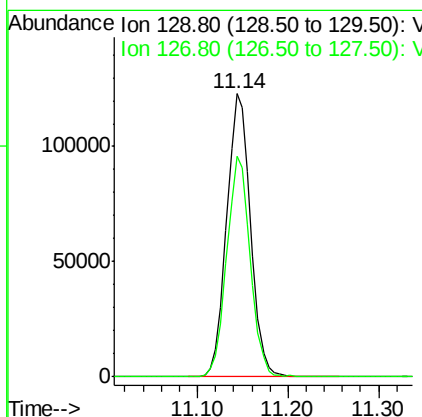
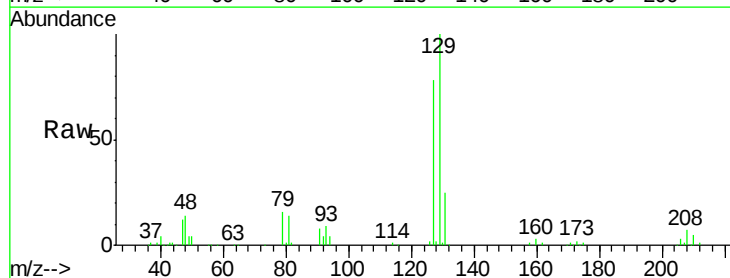
Manual Integrations
APPROVED

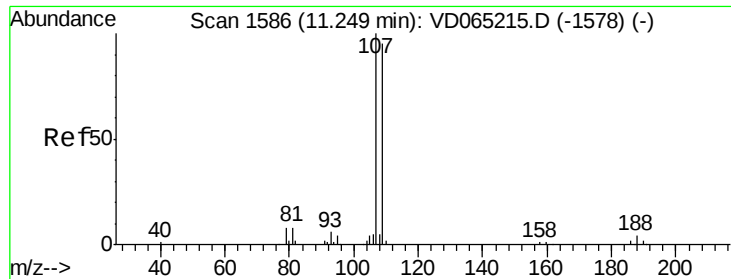
MMDadoda
2/27/2020 11:39:19 AM



#60
Dibromochloromethane
Concen: 49.474 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065318.D
Acq: 26 Feb 2020 10:17

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.8	38.7	116.1





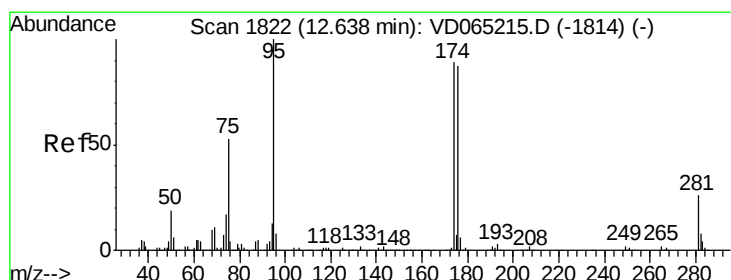
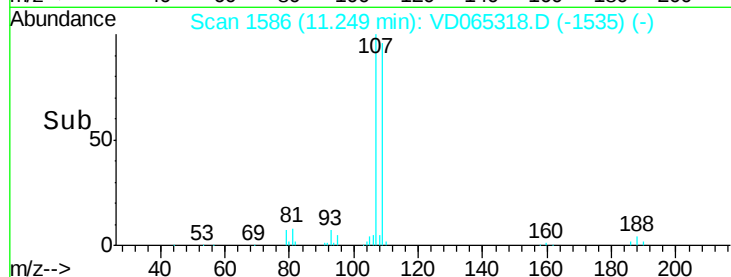
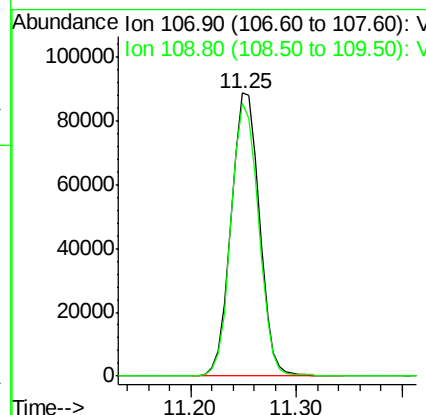
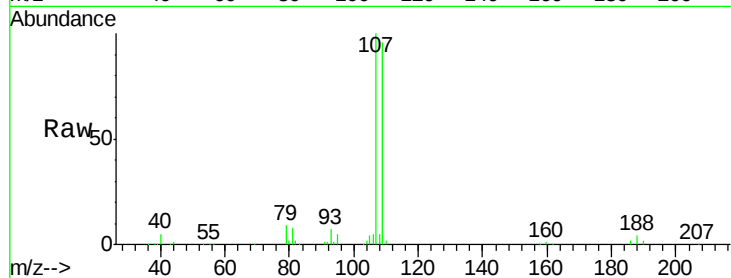
#61
1,2-Dibromoethane
Concen: 48.965 ug/l
RT: 11.25 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VD065318.D
Acq: 26 Feb 2020 10:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	164522		
109	94.1	76.2	114.4	

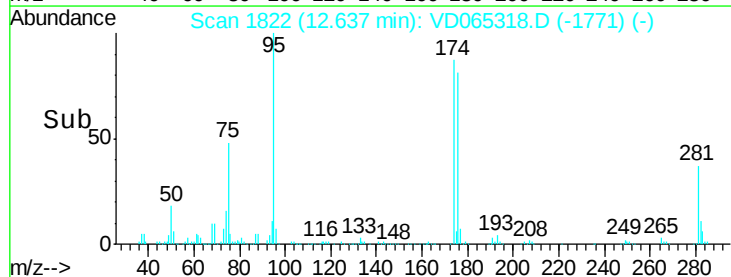
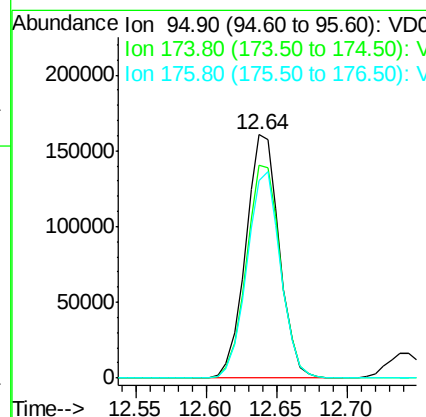
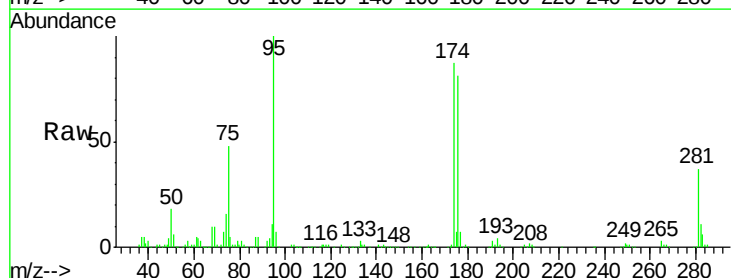
Manual Integrations
APPROVED

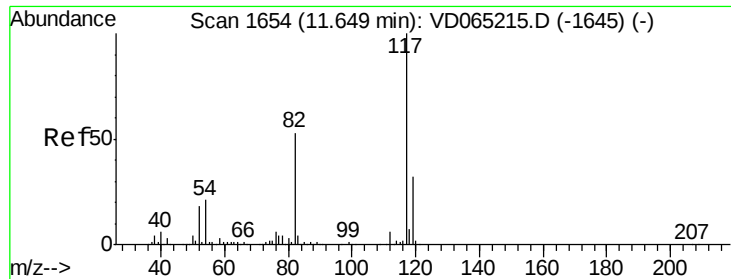
MMDadoda
2/27/2020 11:39:19 AM



#62
4-Bromofluorobenzene
Concen: 50.378 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD065318.D
Acq: 26 Feb 2020 10:17

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	266941		
174	88.9	0.0	178.0	
176	85.1	0.0	174.4	





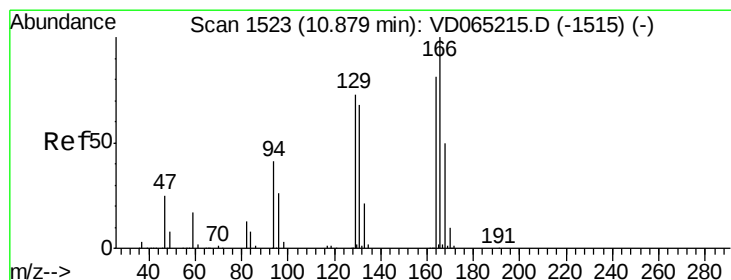
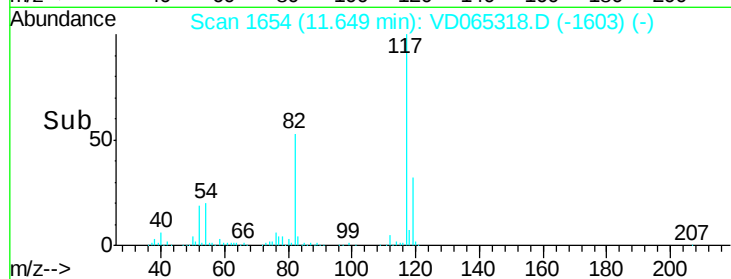
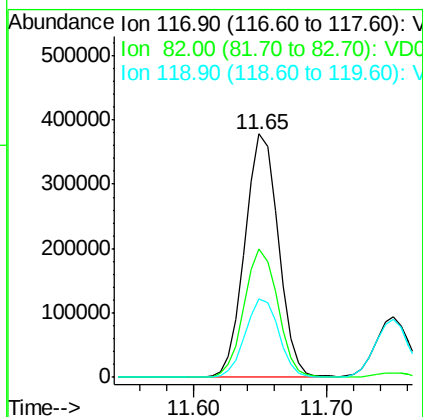
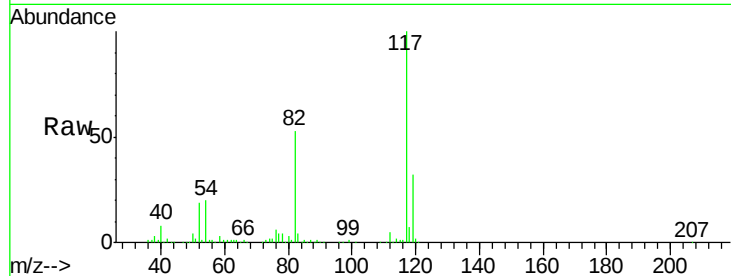
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065318.D
Acq: 26 Feb 2020 10:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	42.7	64.1
119	32.2	25.5	38.3

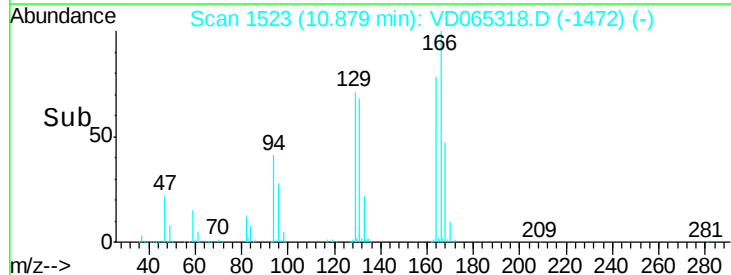
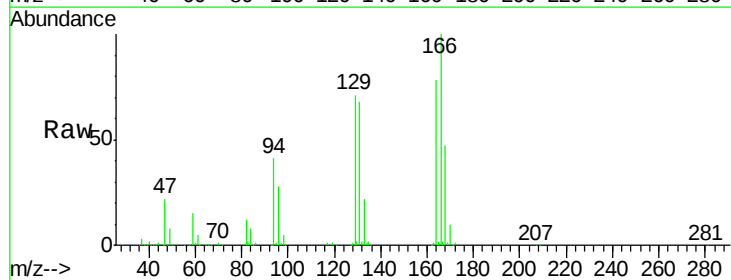
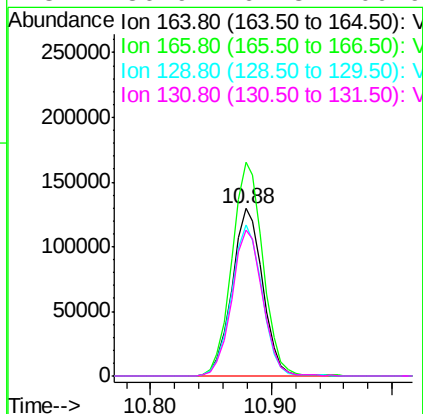
Manual Integrations
APPROVED

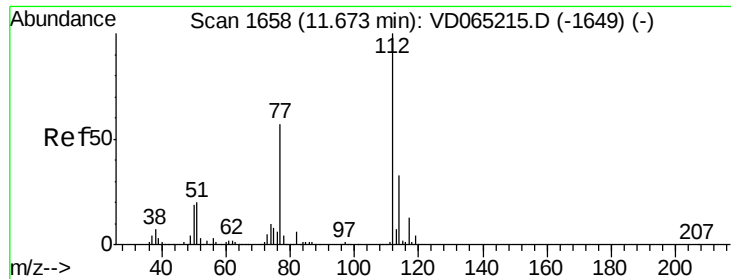
MMDadoda
2/27/2020 11:39:19 AM



#64
Tetrachloroethene
Concen: 49.070 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065318.D
Acq: 26 Feb 2020 10:17

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.6	98.4	147.6
129	90.3	71.6	107.4
131	86.9	67.3	100.9





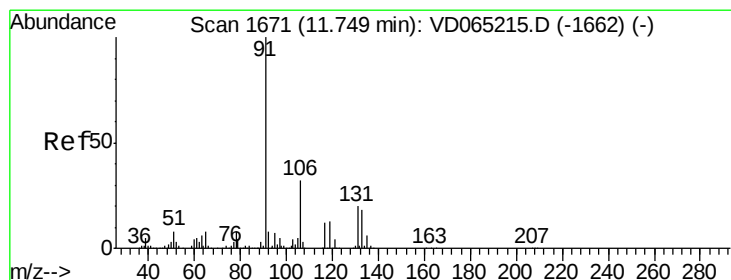
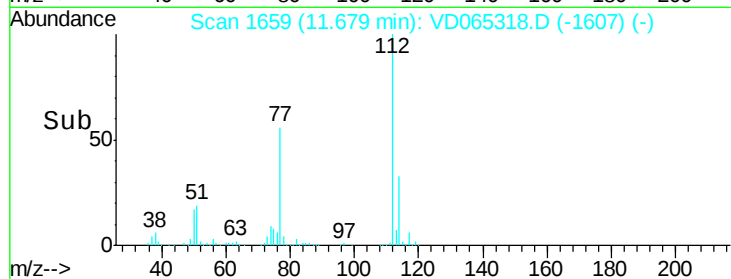
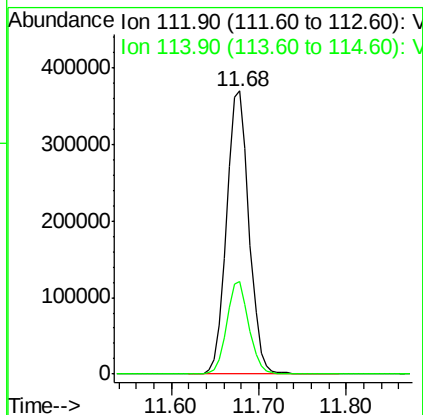
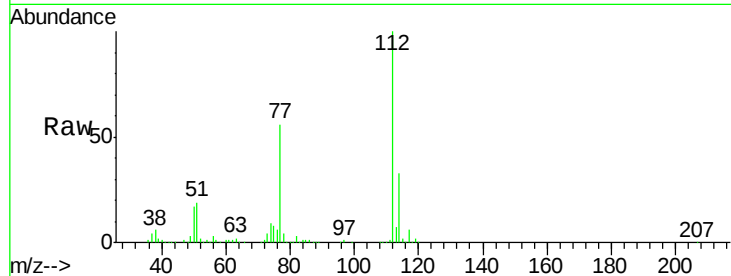
#65
Chlorobenzene
Concen: 49.118 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.01 min
Lab File: VD065318.D
Acq: 26 Feb 2020 10:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 649090
Ion Ratio Lower Upper
112 100
114 32.8 26.4 39.6

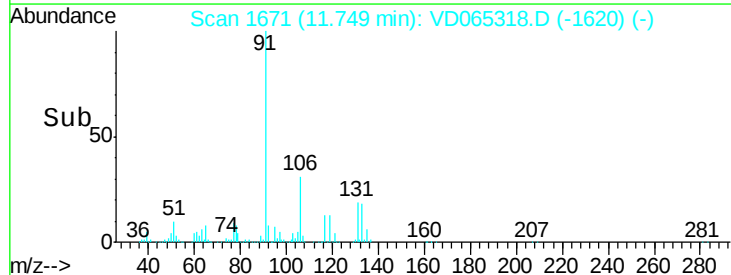
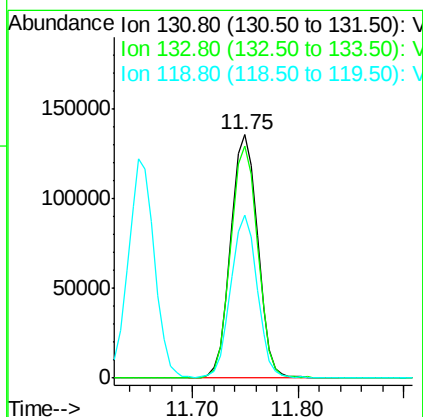
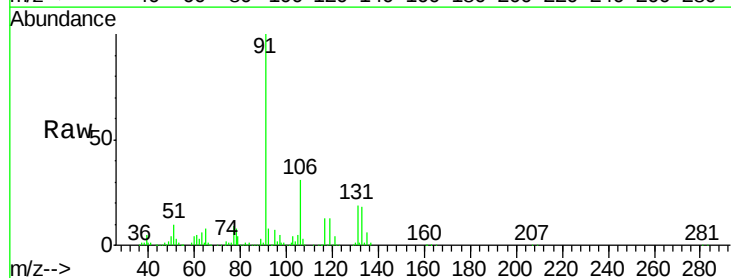
Manual Integrations
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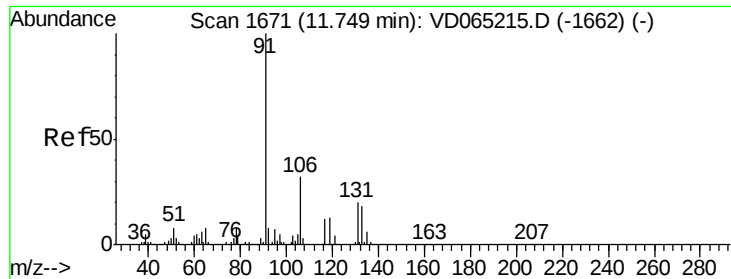
MMDadoda
2/27/2020 11:39:19 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 48.500 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065318.D
Acq: 26 Feb 2020 10:17

Tgt Ion:131 Resp: 239177
Ion Ratio Lower Upper
131 100
133 95.8 47.7 143.1
119 65.5 32.7 98.1





#67

Ethyl Benzene

Concen: 50.209 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065318.D

Acq: 26 Feb 2020 10:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1162059

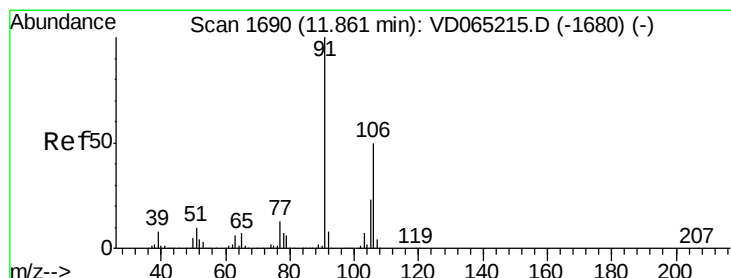
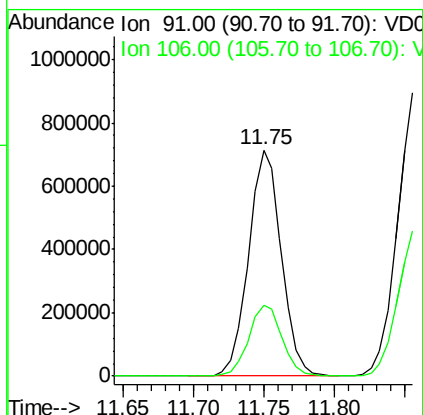
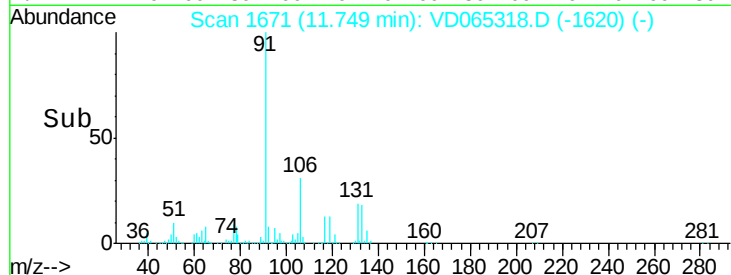
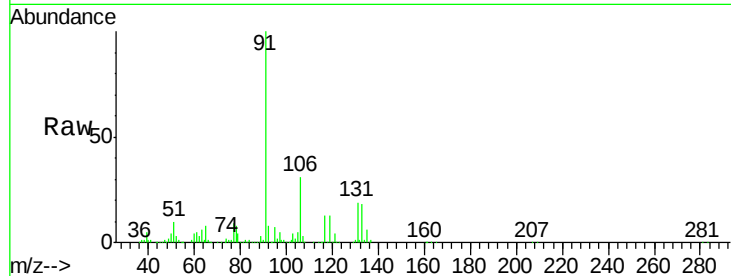
Ion Ratio Lower Upper

91 100

106 31.4 25.2 37.8

Manual Integrations
APPROVED

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#68

m/p-Xylenes

Concen: 102.403 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VD065318.D

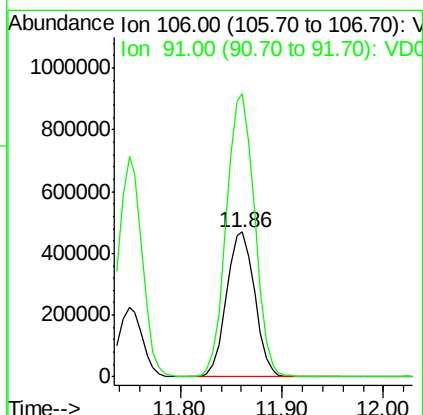
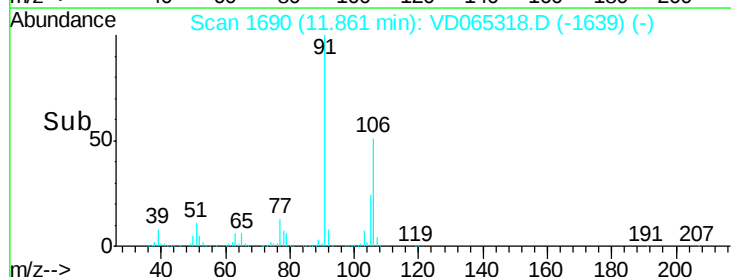
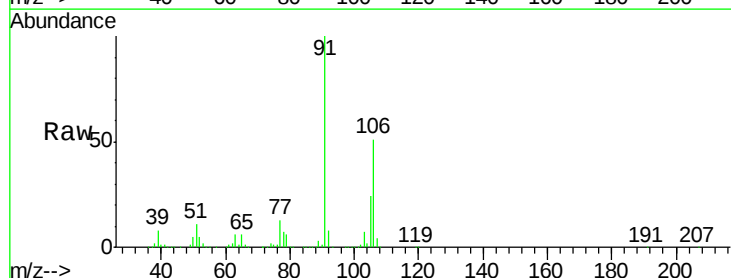
Acq: 26 Feb 2020 10:17

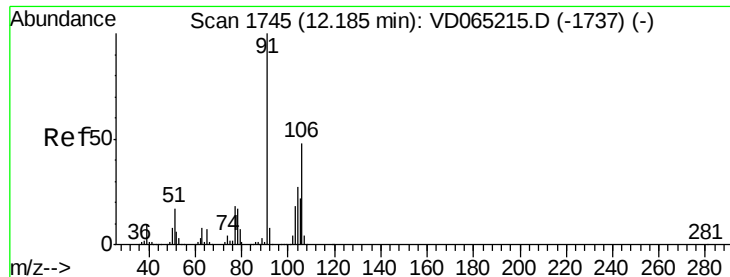
Tgt Ion: 106 Resp: 906776

Ion Ratio Lower Upper

106 100

91 195.7 158.2 237.4





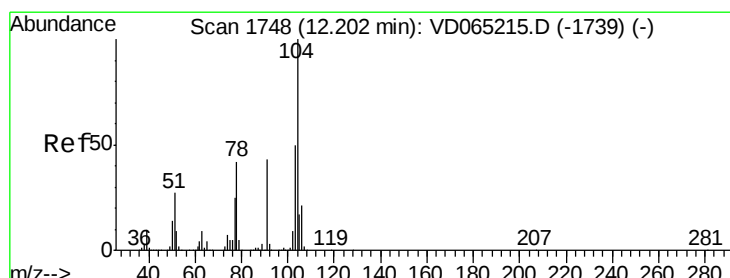
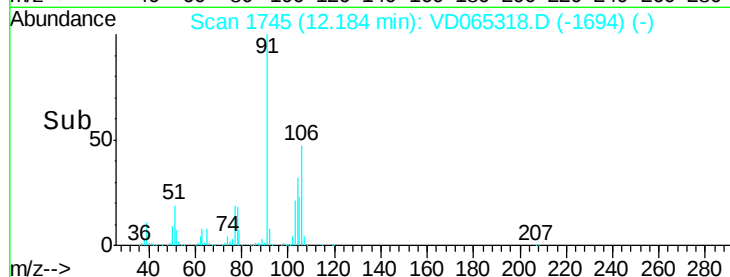
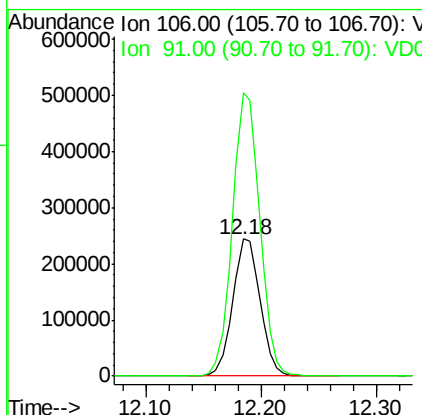
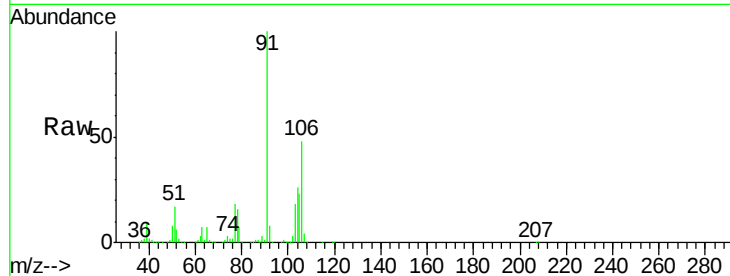
#69
o-Xylene
Concen: 50.994 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065318.D
Acq: 26 Feb 2020 10:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		400050		
91	207.4	104.7	313.9		

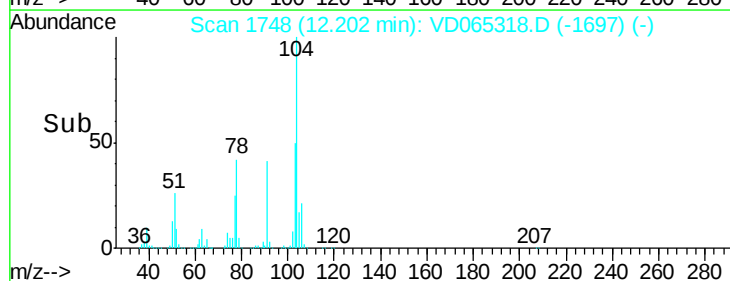
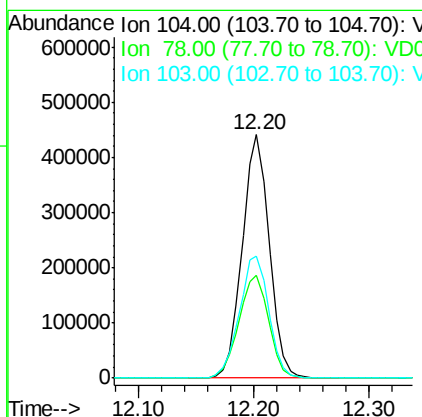
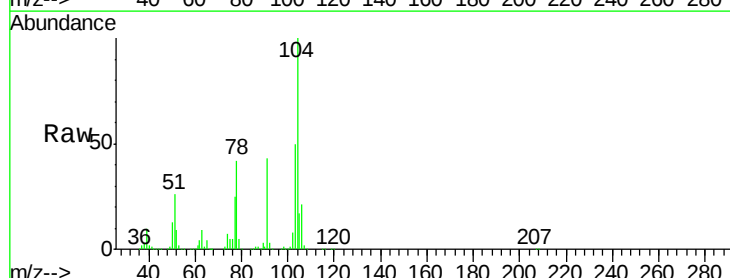
Manual Integrations
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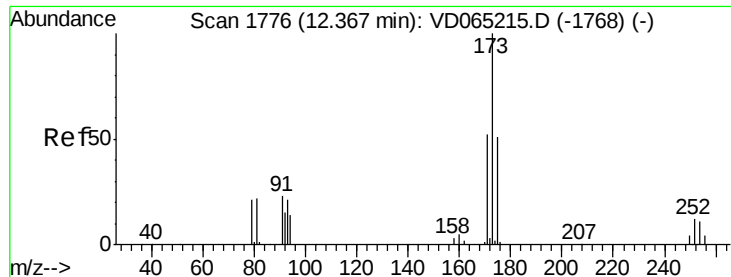
MMDadoda
2/27/2020 11:39:19 AM



#70
Styrene
Concen: 51.565 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065318.D
Acq: 26 Feb 2020 10:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		718227		
78	46.5	37.8	56.6		
103	54.6	43.4	65.2		





#71

Bromoform

Concen: 47.390 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD065318.D

Acq: 26 Feb 2020 10:17

Instrument :

MSVOA_D

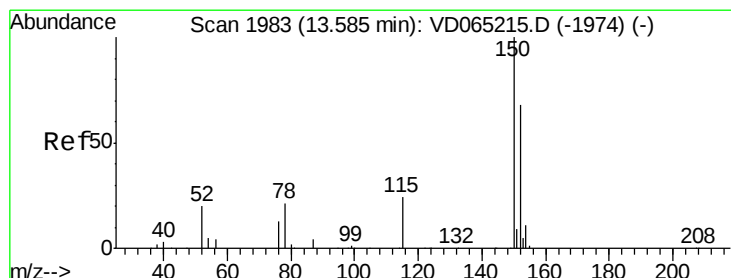
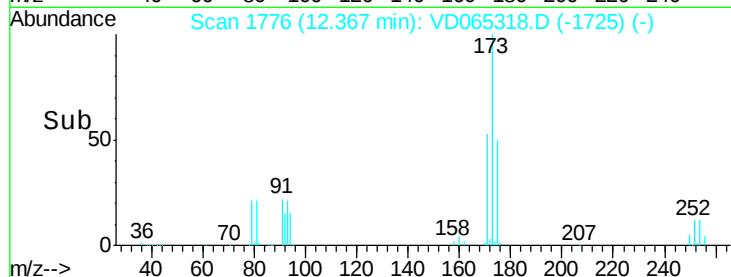
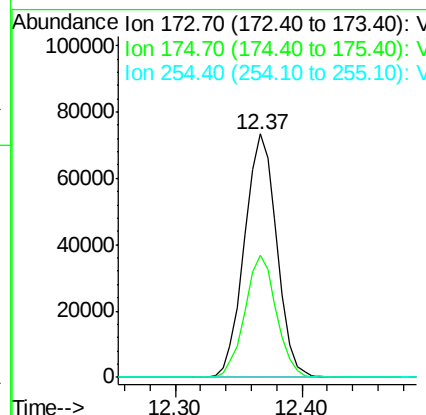
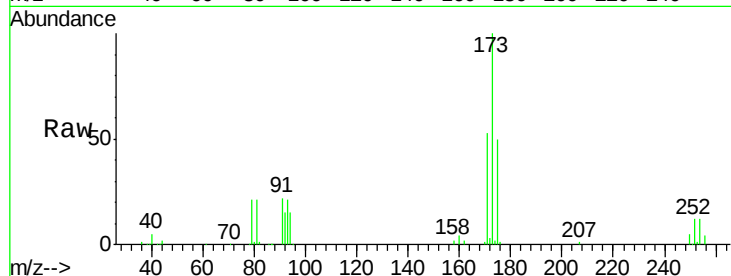
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.4	73.4
254	0.0	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

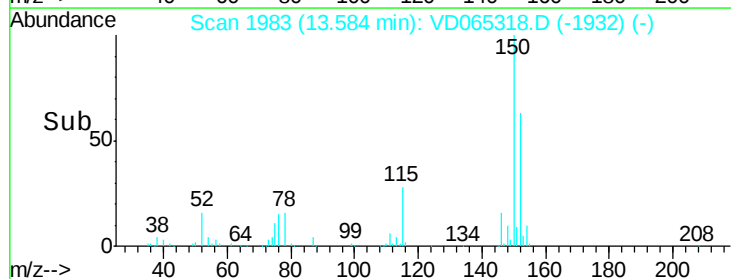
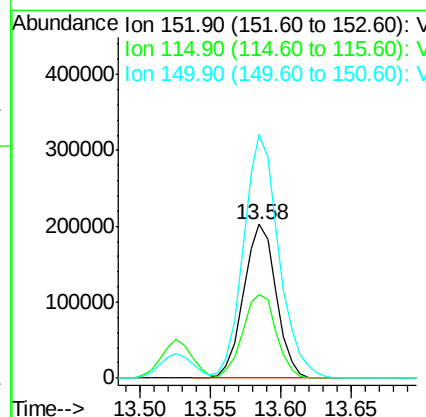
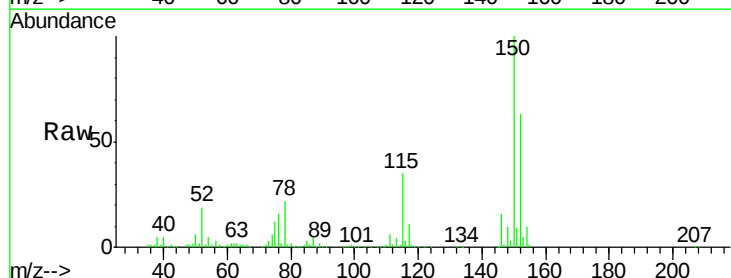
RT: 13.58 min Scan# 1983

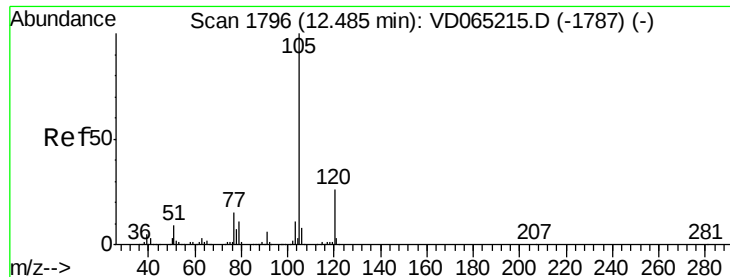
Delta R.T. -0.00 min

Lab File: VD065318.D

Acq: 26 Feb 2020 10:17

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.1	27.6	82.8
150	171.7	0.0	347.4





#73

Isopropylbenzene

Concen: 51.564 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065318.D

Acq: 26 Feb 2020 10:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 1115881

Ion Ratio Lower Upper

105 100

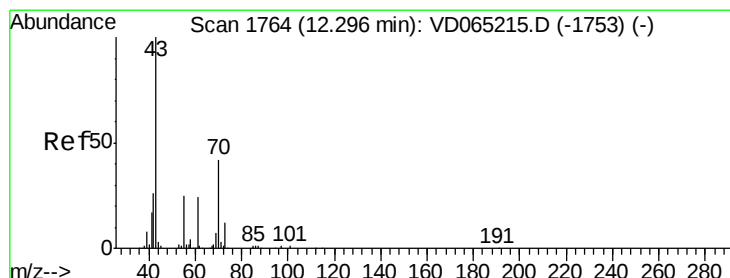
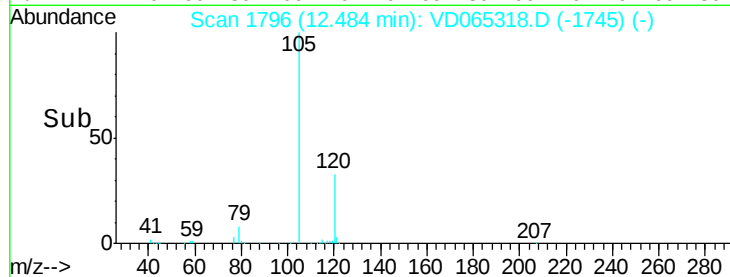
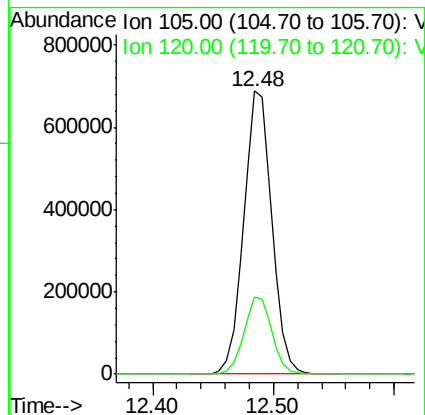
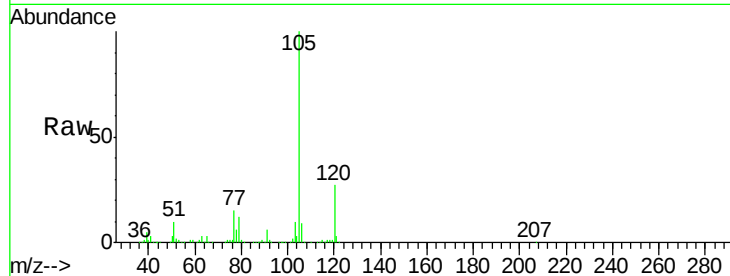
120 27.0 13.3 39.9

Manual Integrations

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2/27/2020 11:39:19 AM



#74

N-ethyl acetate

Concen: 46.582 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065318.D

Acq: 26 Feb 2020 10:17

Tgt Ion: 43 Resp: 223997

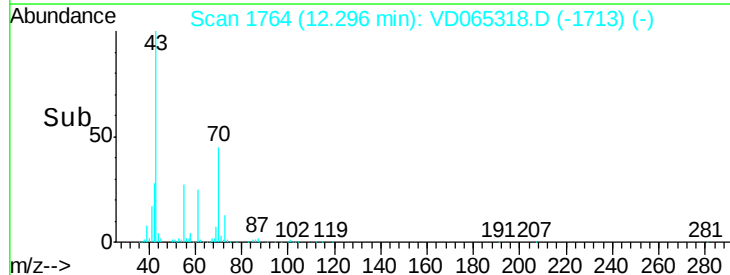
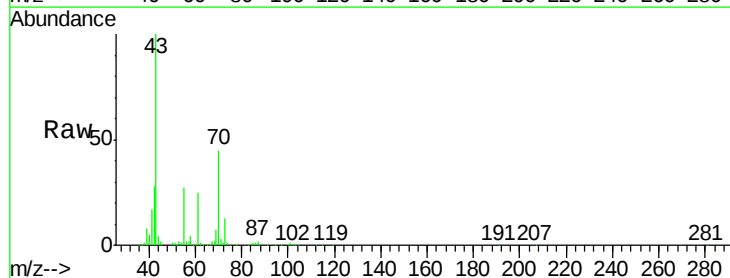
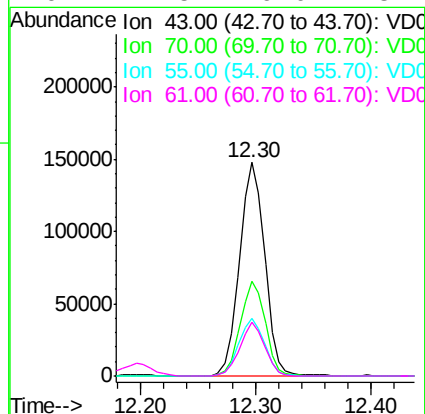
Ion Ratio Lower Upper

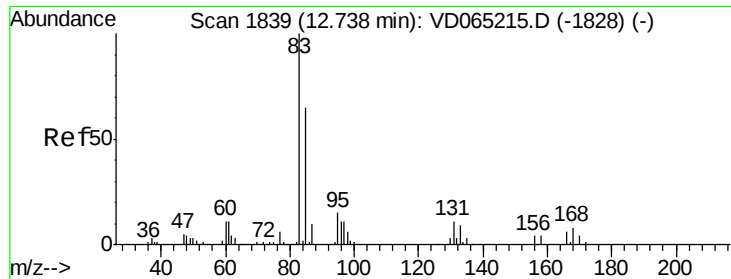
43 100

70 44.0 33.7 50.5

55 27.9 20.7 31.1

61 24.5 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 46.767 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065318.D

Acq: 26 Feb 2020 10:17

Instrument :

MSVOA_D

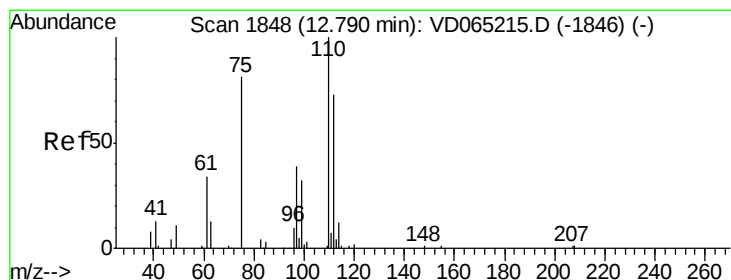
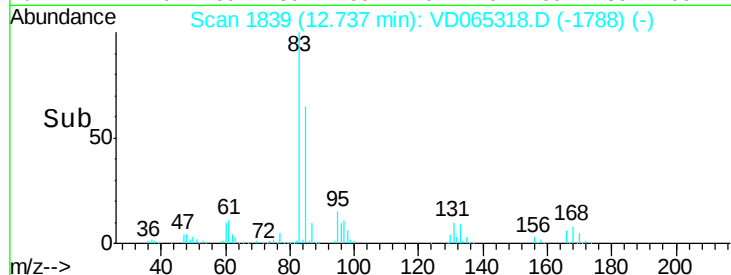
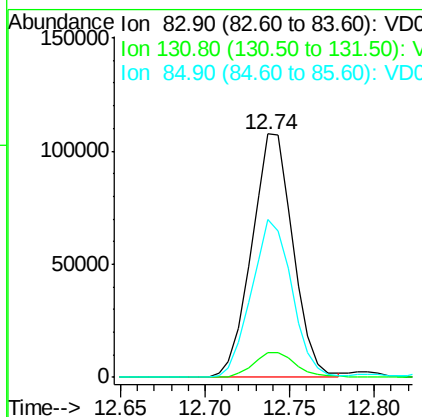
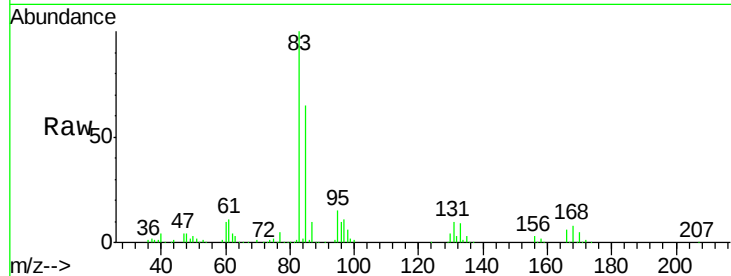
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	182655
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.4	16.2
85	64.0	31.6	94.8

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#76

1,2,3-Trichloropropane

Concen: 43.987 ug/l m

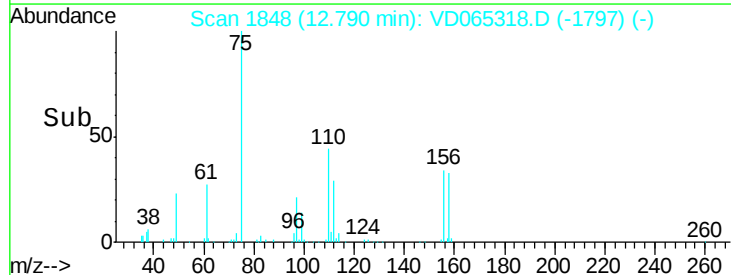
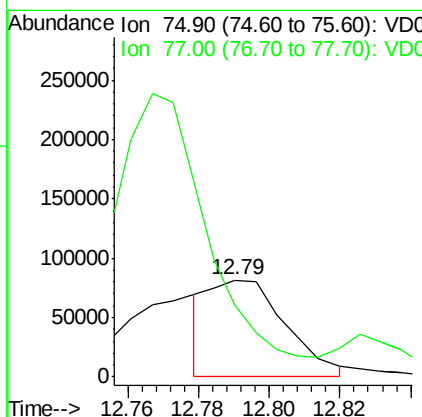
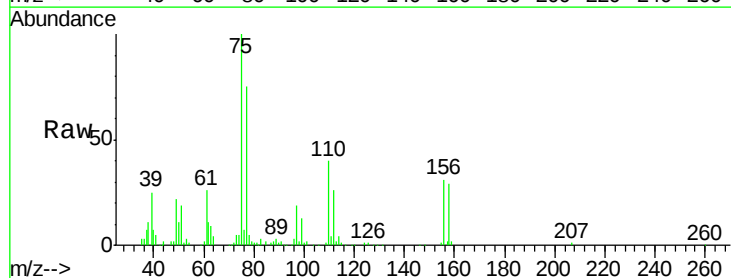
RT: 12.79 min Scan# 1848

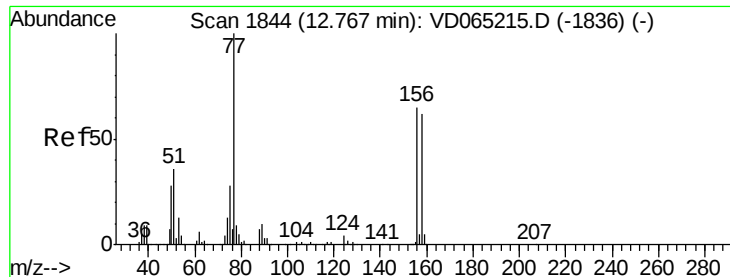
Delta R.T. -0.00 min

Lab File: VD065318.D

Acq: 26 Feb 2020 10:17

Tgt Ion:	75	Resp:	122333
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.504 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065318.D

Acq: 26 Feb 2020 10:17

Instrument :

MSVOA_D

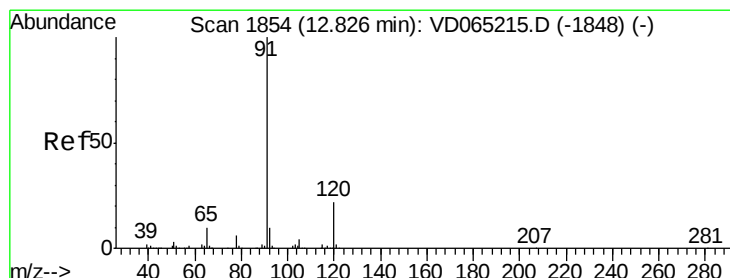
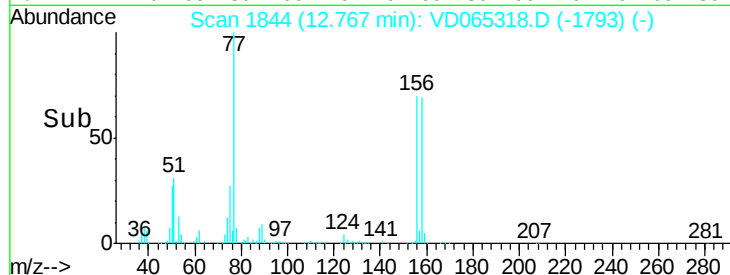
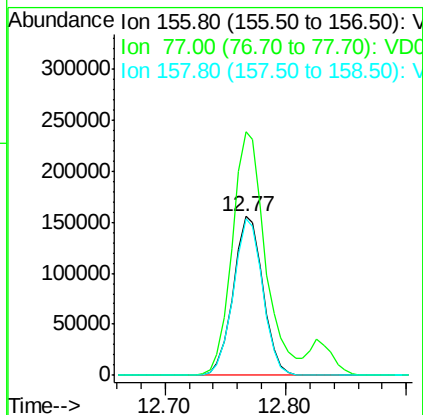
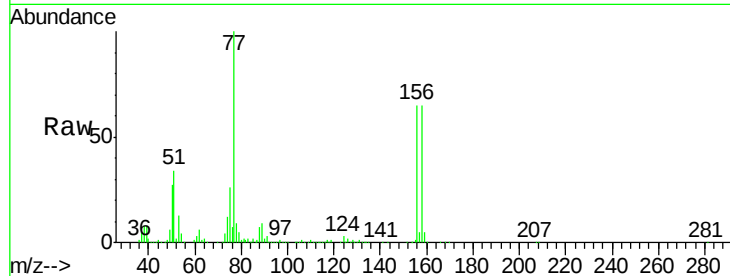
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	266022
Ion Ratio	Lower	Upper	
156	100		
77	172.1	86.6	259.7
158	97.4	48.1	144.3

Manual Integrations
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#78

n-propylbenzene

Concen: 51.357 ug/l

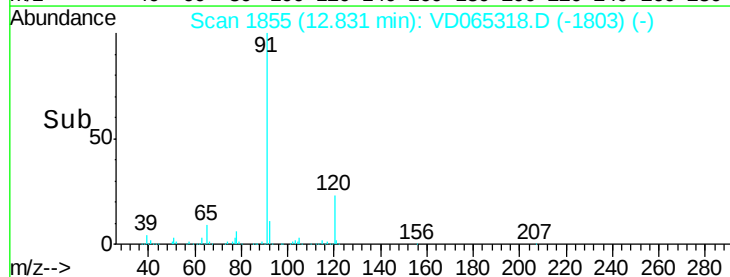
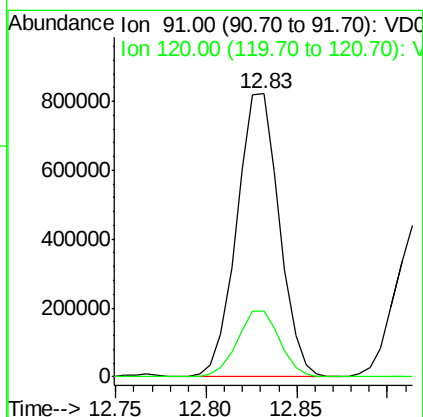
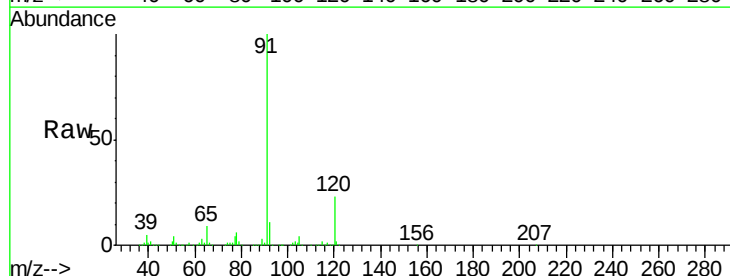
RT: 12.83 min Scan# 1855

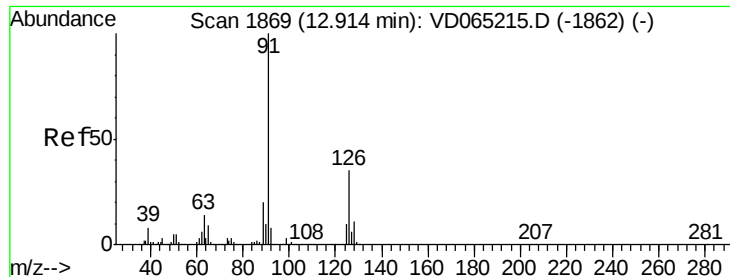
Delta R.T. 0.01 min

Lab File: VD065318.D

Acq: 26 Feb 2020 10:17

Tgt Ion:	91	Resp:	1335585
Ion Ratio	Lower	Upper	
91	100		
120	23.4	11.5	34.5





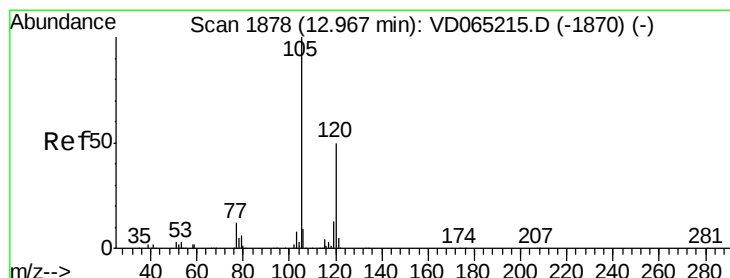
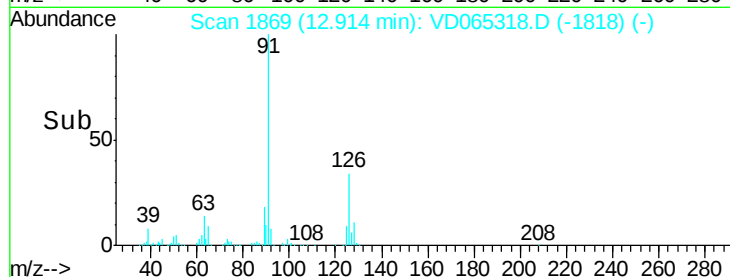
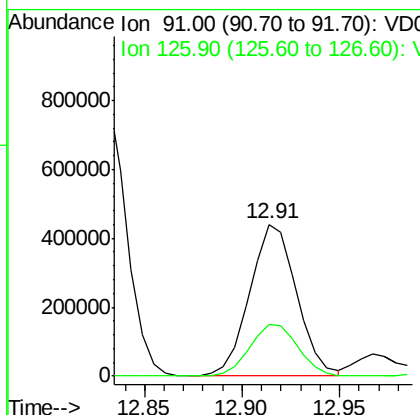
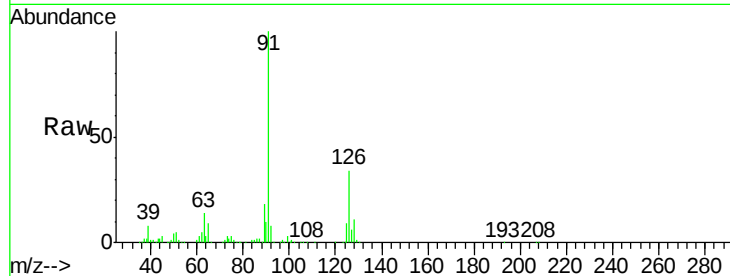
#79
 2-Chlorotoluene
 Concen: 50.270 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VD065318.D
 Acq: 26 Feb 2020 10:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.5	52.6

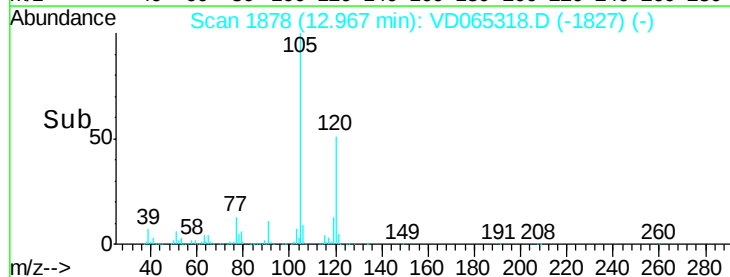
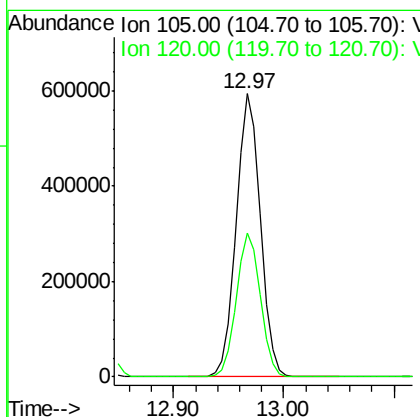
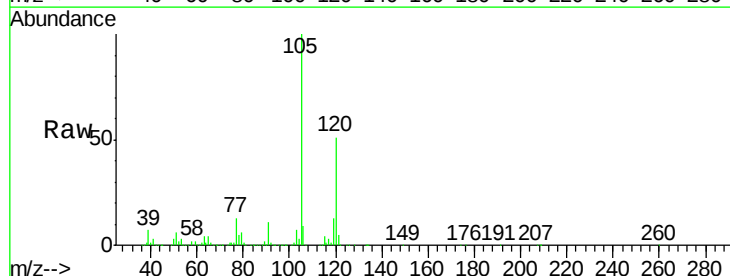
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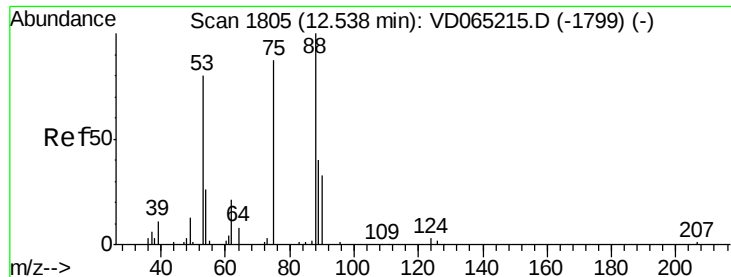
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#80
 1,3,5-Trimethylbenzene
 Concen: 51.217 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VD065318.D
 Acq: 26 Feb 2020 10:17

Tgt Ion	Ratio	Lower	Upper
105	100		
120	50.7	25.4	76.4





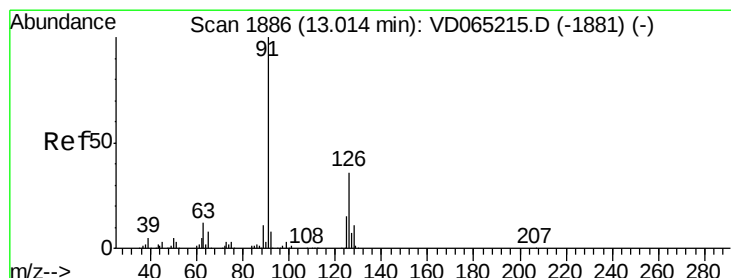
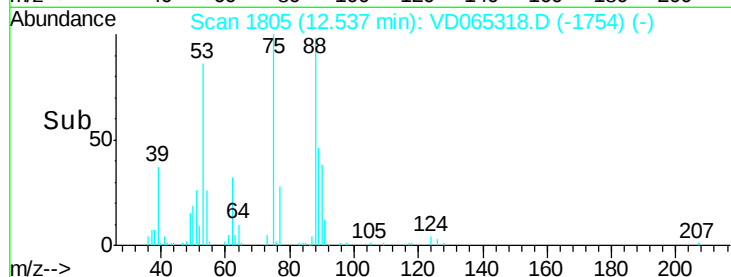
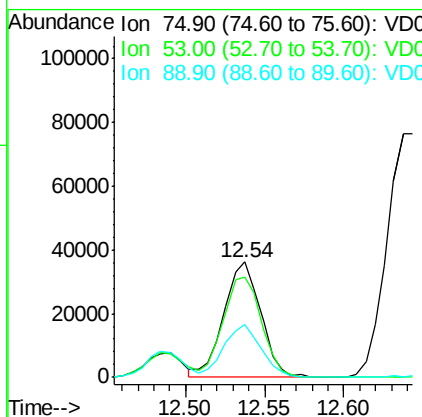
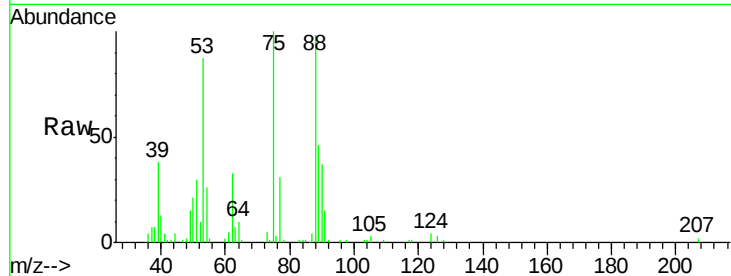
#81
trans-1,4-Dichloro-2-butene
Concen: 45.626 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. -0.00 min
Lab File: VD065318.D
Acq: 26 Feb 2020 10:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.2	77.6	116.4
89	45.8	37.2	55.8

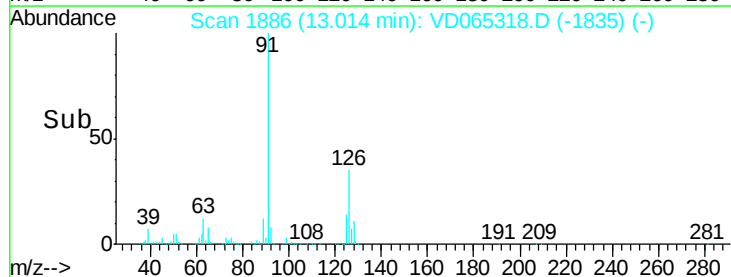
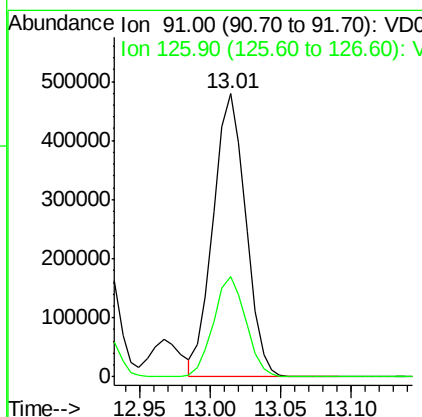
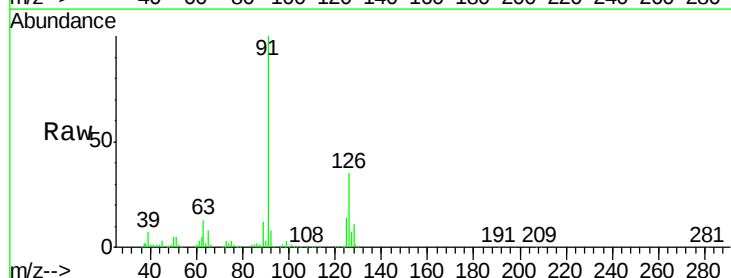
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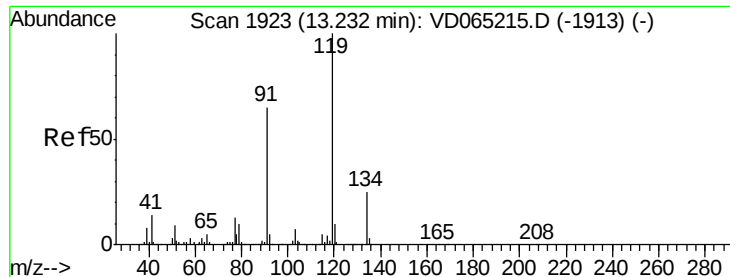
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#82
4-Chlorotoluene
Concen: 49.625 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VD065318.D
Acq: 26 Feb 2020 10:17

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.4	17.4	52.3





#83

tert-Butylbenzene

Concen: 51.444 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. -0.00 min

Lab File: VD065318.D

Acq: 26 Feb 2020 10:17

Instrument :

MSVOA_D

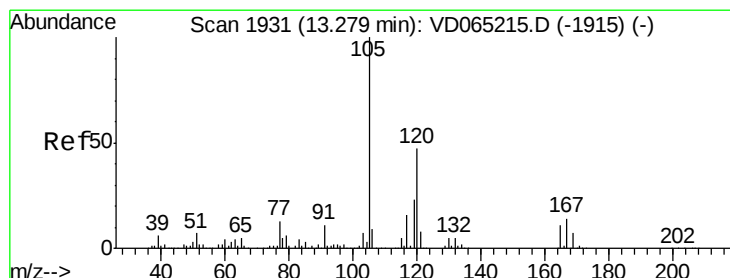
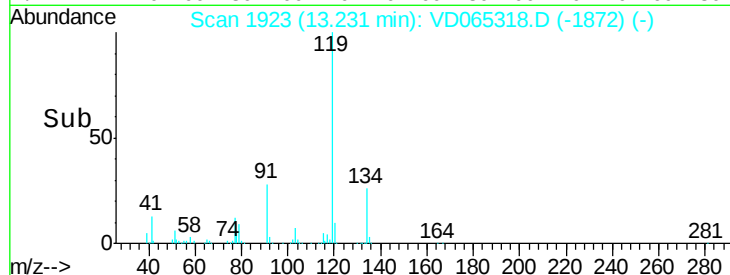
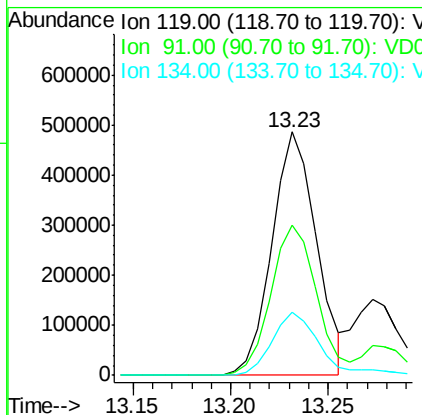
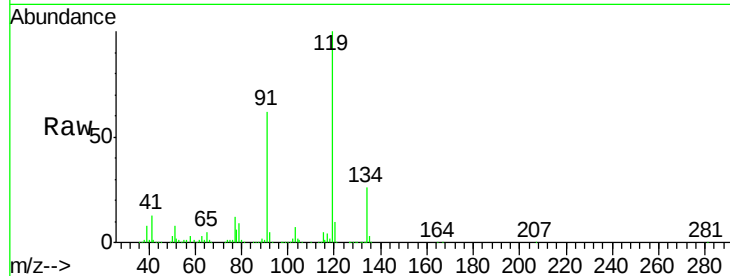
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	768502
Ion Ratio	Lower	Upper	
119	100		
91	63.3	31.9	95.5
134	27.8	13.8	41.3

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 50.852 ug/l

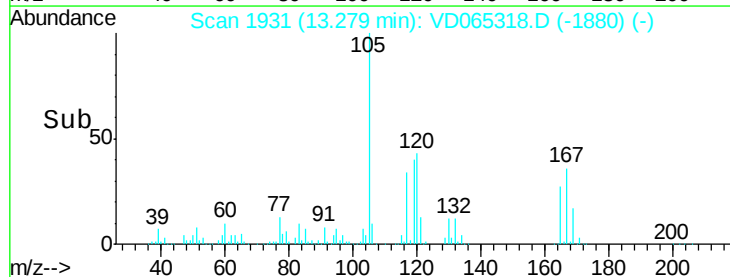
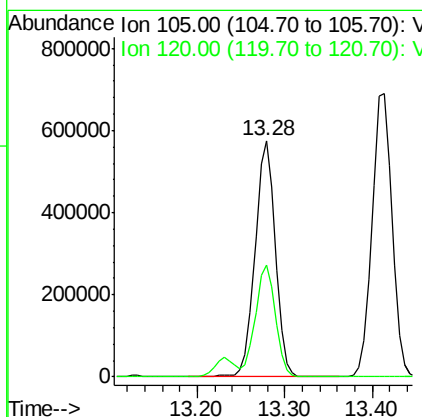
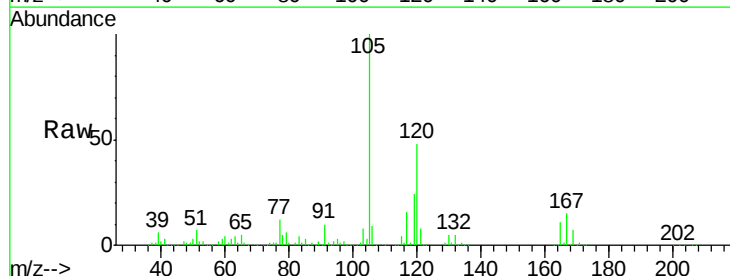
RT: 13.28 min Scan# 1931

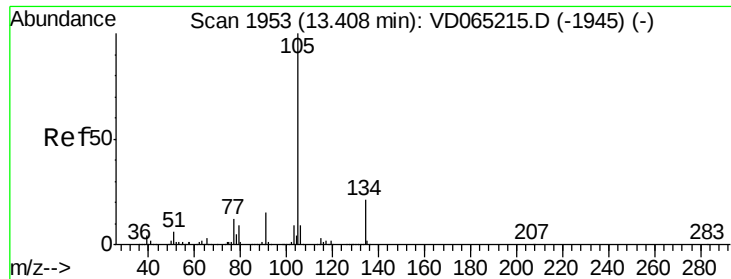
Delta R.T. -0.00 min

Lab File: VD065318.D

Acq: 26 Feb 2020 10:17

Tgt Ion:	105	Resp:	907213
Ion Ratio	Lower	Upper	
105	100		
120	46.9	23.3	69.9





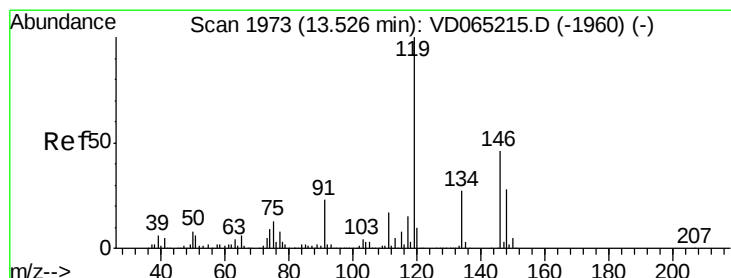
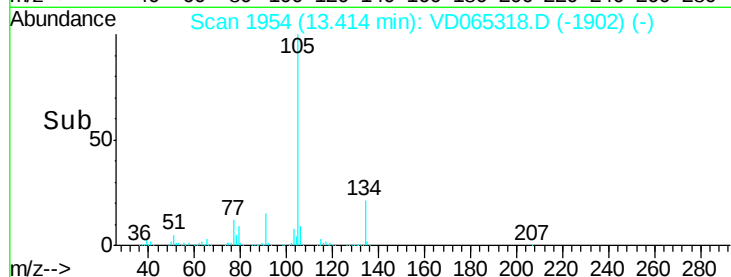
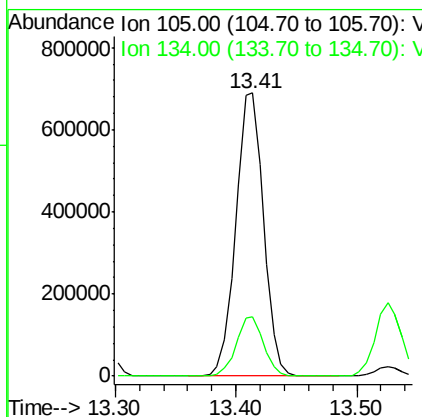
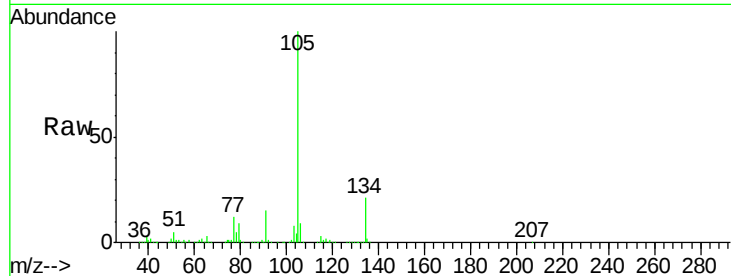
#85
 sec-Butylbenzene
 Concen: 51.243 ug/l
 RT: 13.41 min Scan# 1954
 Delta R.T. 0.01 min
 Lab File: VD065318.D
 Acq: 26 Feb 2020 10:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 1103044
 Ion Ratio Lower Upper
 105 100
 134 20.7 10.3 30.9

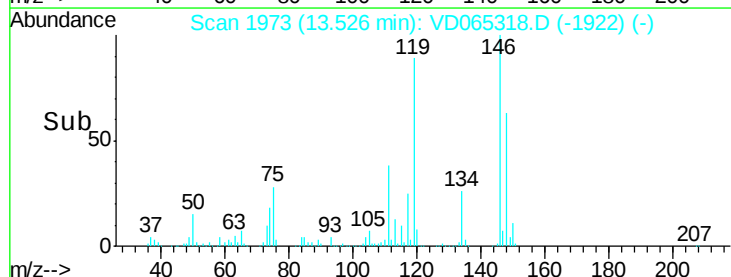
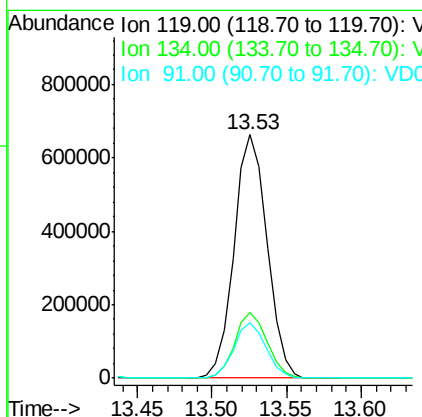
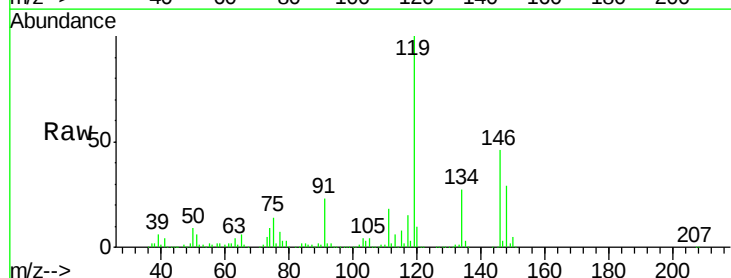
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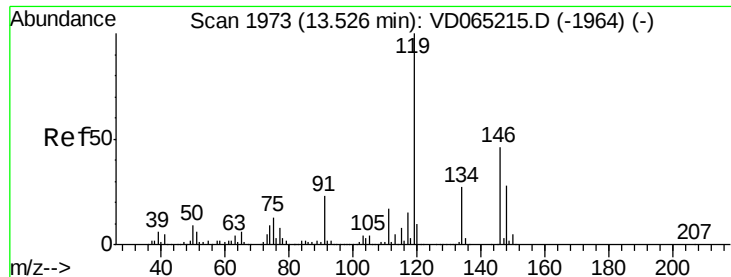
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#86
 p-Isopropyltoluene
 Concen: 51.732 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065318.D
 Acq: 26 Feb 2020 10:17

Tgt Ion:119 Resp: 1018353
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.3 39.8
 91 22.0 11.1 33.1





#87

1,3-Dichlorobenzene

Concen: 48.705 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065318.D

Acq: 26 Feb 2020 10:17

Instrument :

MSVOA_D

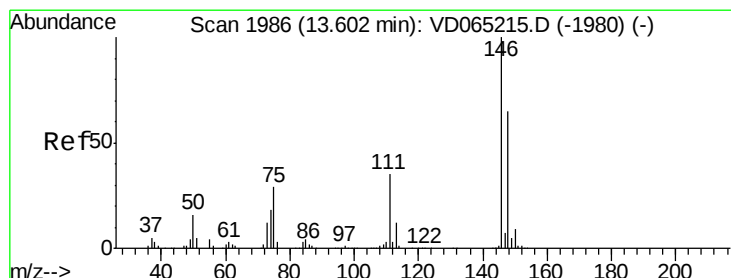
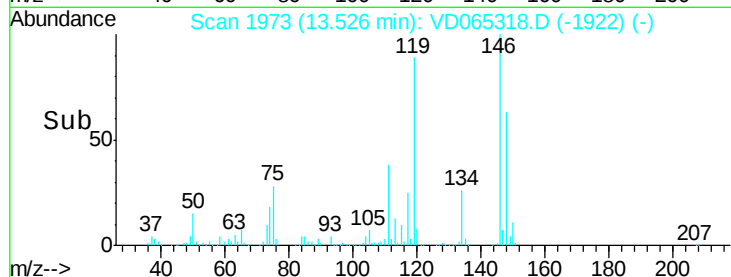
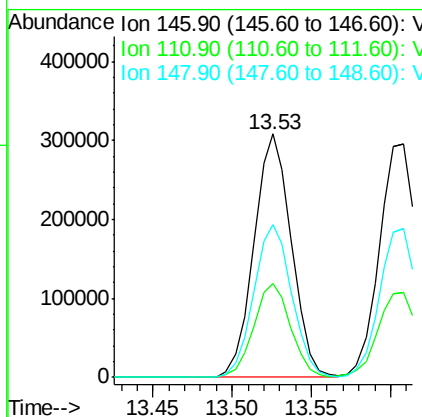
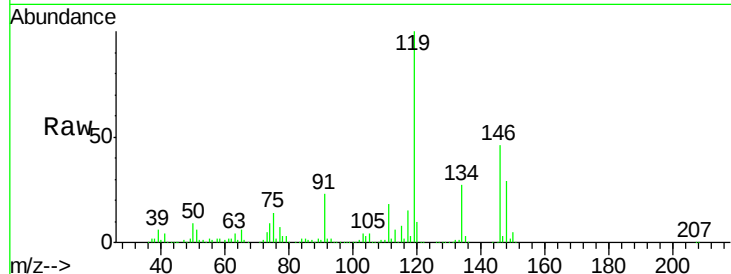
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	505973
Ion Ratio	Lower	Upper	
146	100		
111	37.9	18.6	55.8
148	63.7	31.4	94.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 48.325 ug/l

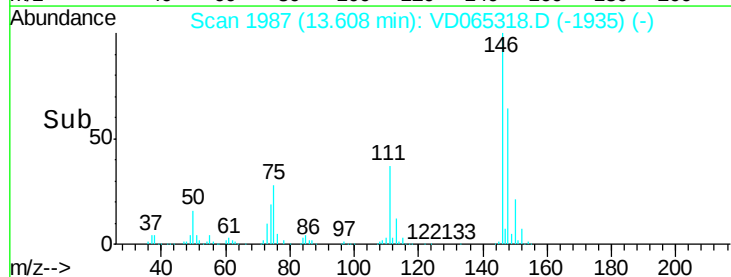
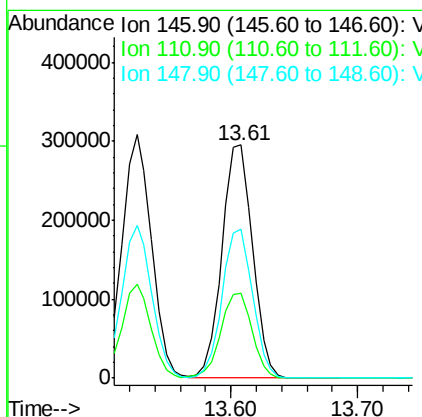
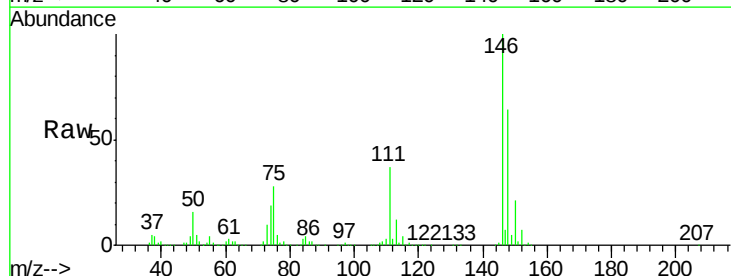
RT: 13.61 min Scan# 1987

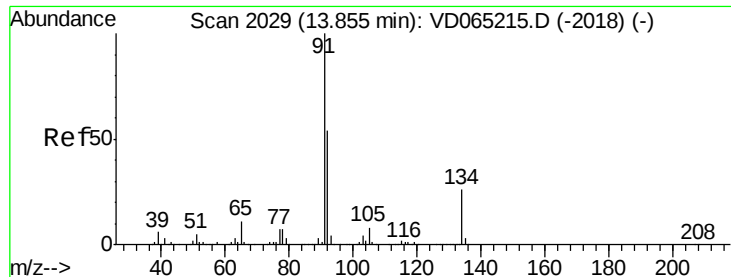
Delta R.T. 0.01 min

Lab File: VD065318.D

Acq: 26 Feb 2020 10:17

Tgt Ion:	146	Resp:	495478
Ion Ratio	Lower	Upper	
146	100		
111	37.3	18.4	55.2
148	63.6	32.1	96.5





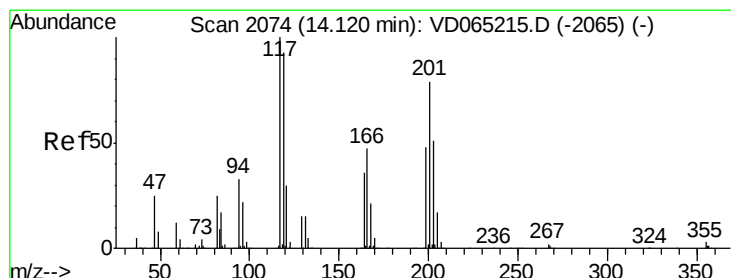
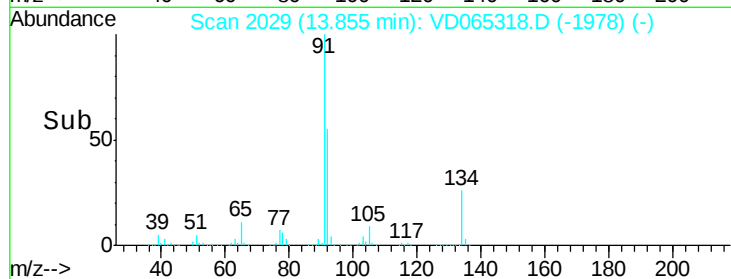
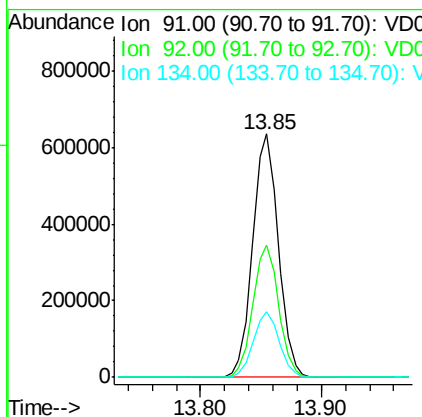
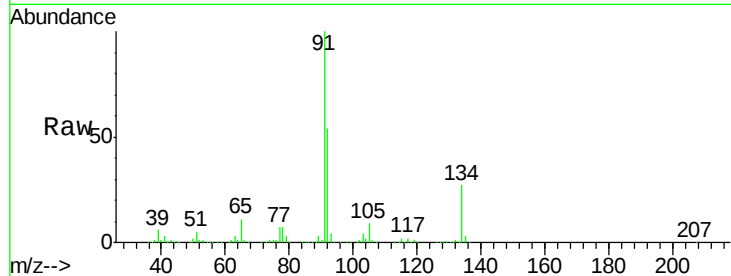
#89
n-Butylbenzene
Concen: 51.925 ug/l
RT: 13.85 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065318.D
Acq: 26 Feb 2020 10:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.3	27.0	80.8
134	27.0	13.5	40.4

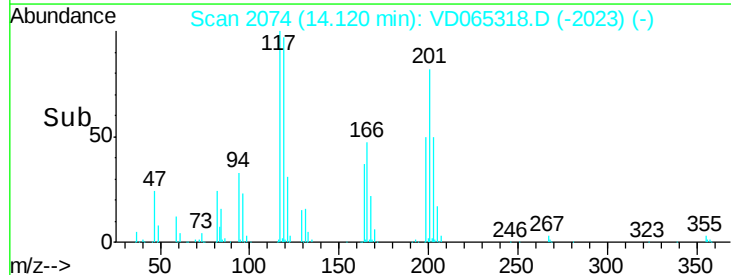
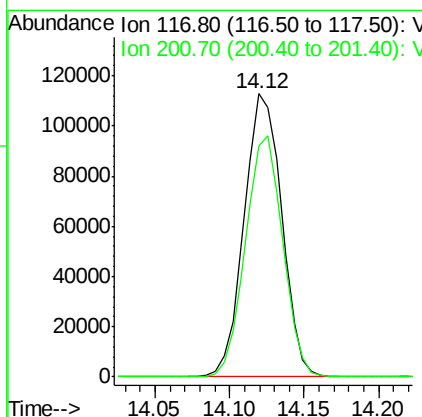
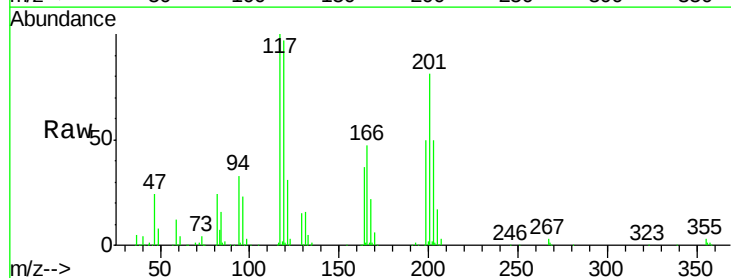
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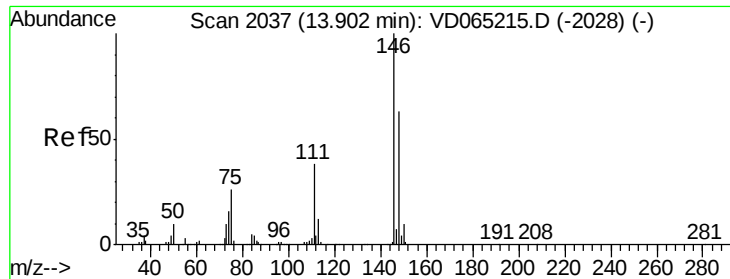
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#90
Hexachloroethane
Concen: 49.206 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065318.D
Acq: 26 Feb 2020 10:17

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.2	41.3	124.1





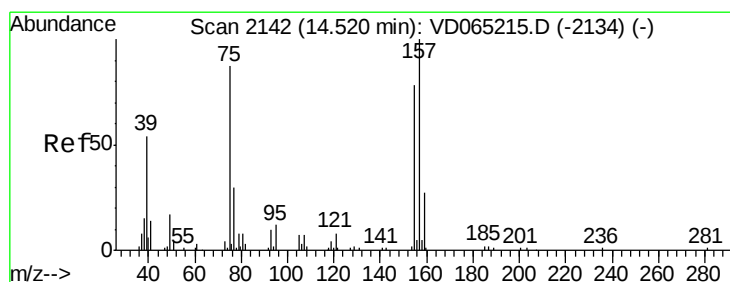
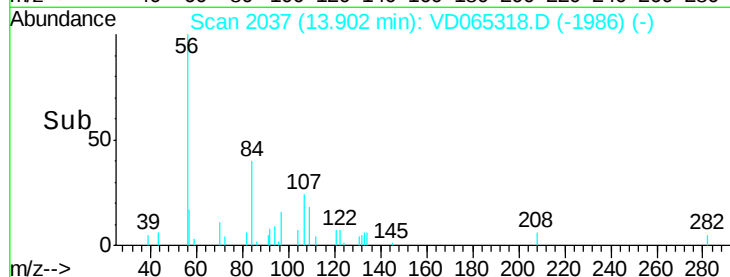
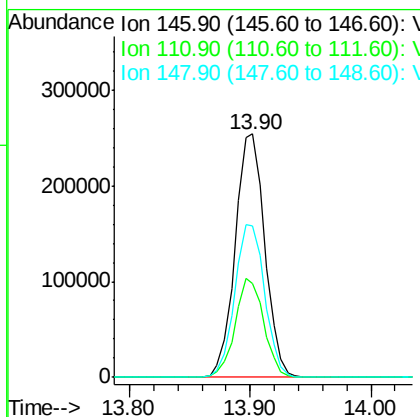
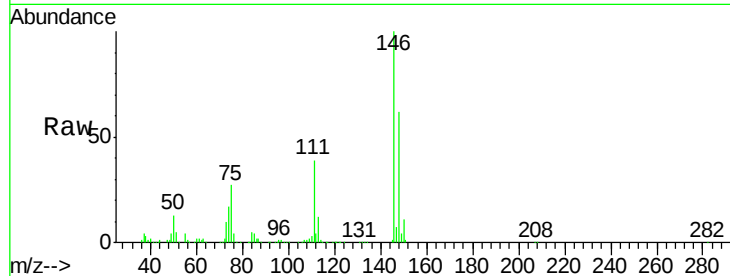
#91
 1,2-Dichlorobenzene
 Concen: 48.775 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VD065318.D
 Acq: 26 Feb 2020 10:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	435071		
111	39.1	19.7	59.0	
148	63.6	32.0	96.2	

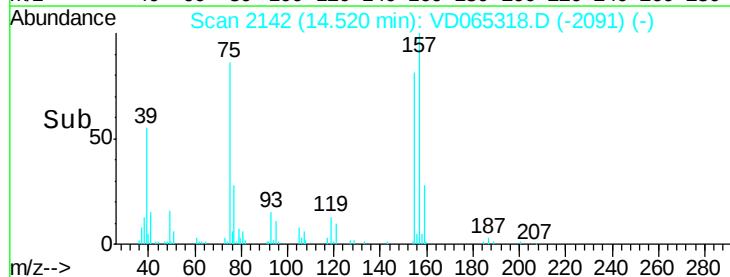
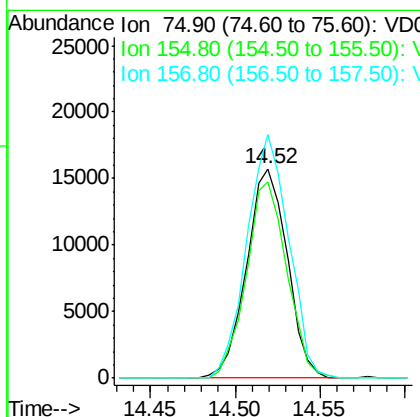
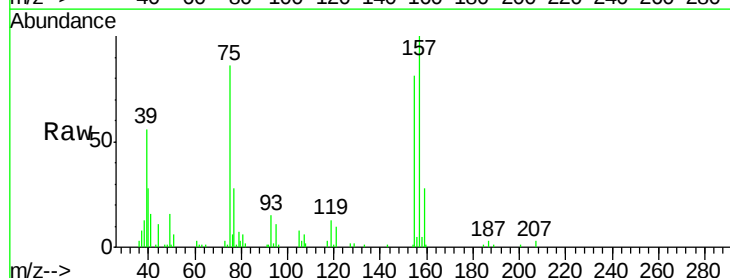
Manual Integrations
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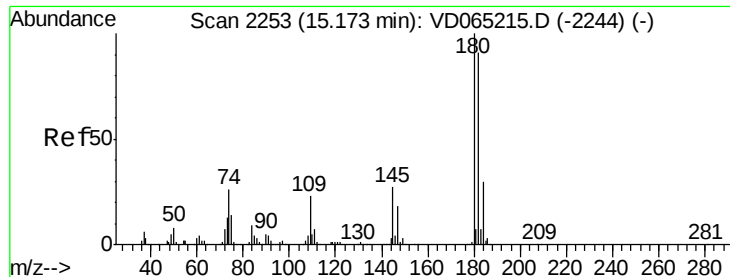
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.823 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VD065318.D
 Acq: 26 Feb 2020 10:17

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	26376		
155	93.4	42.3	126.9	
157	119.7	56.7	170.1	





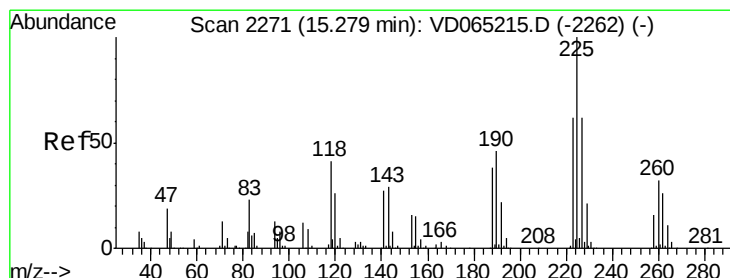
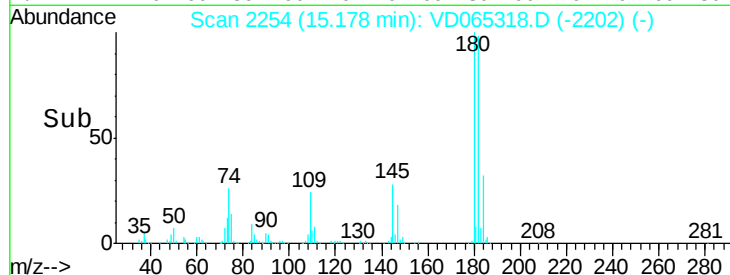
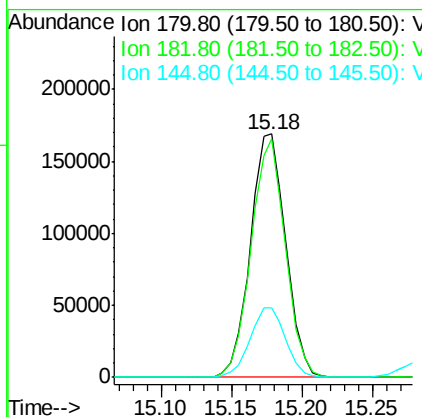
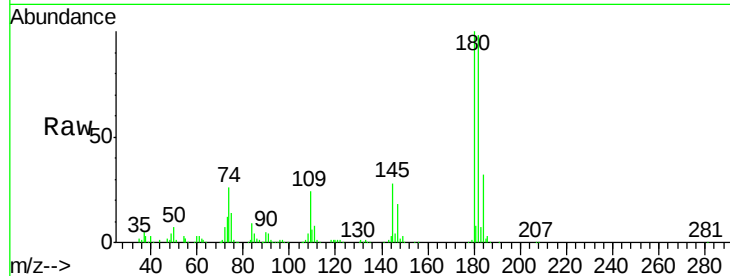
#93
1,2,4-Trichlorobenzene
Concen: 50.985 ug/l
RT: 15.18 min Scan# 2254
Delta R.T. 0.01 min
Lab File: VD065318.D
Acq: 26 Feb 2020 10:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	297484		
182	94.8	46.9	140.6	
145	28.5	13.9	41.7	

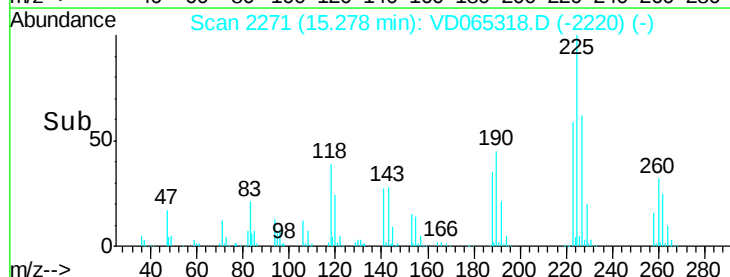
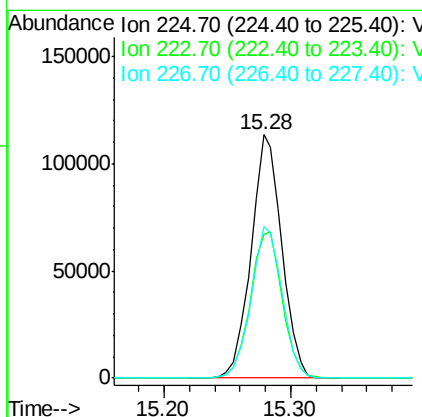
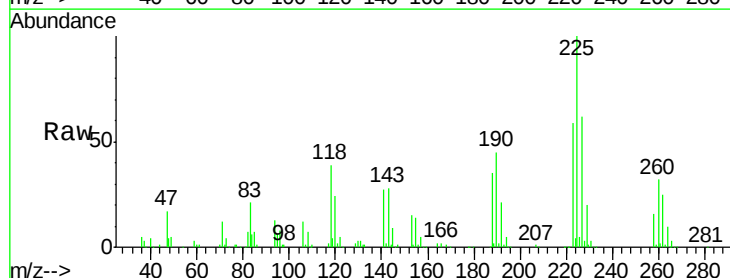
Manual Integrations
APPROVED

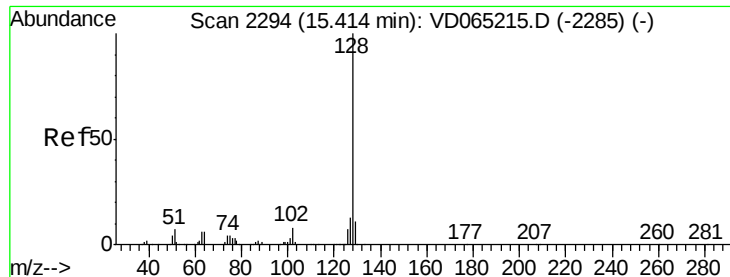
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#94
Hexachlorobutadiene
Concen: 51.095 ug/l
RT: 15.28 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VD065318.D
Acq: 26 Feb 2020 10:17

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	191241		
223	62.5	31.4	94.2	
227	63.0	31.7	95.1	





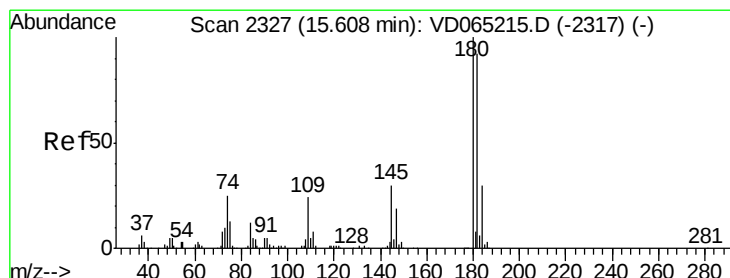
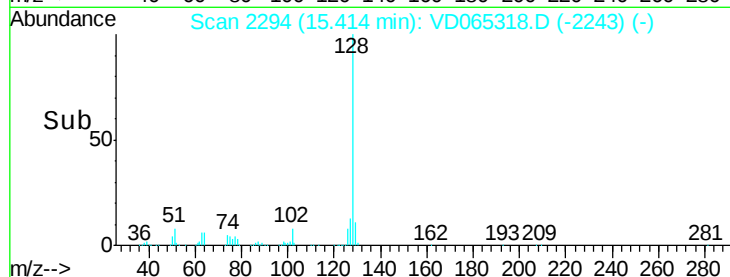
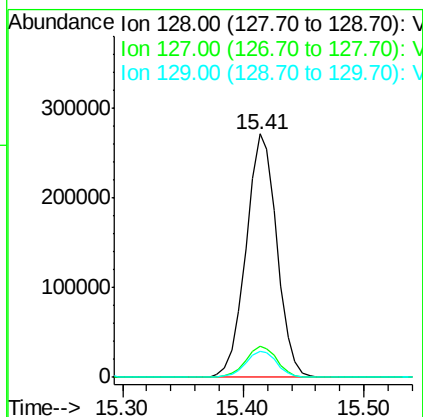
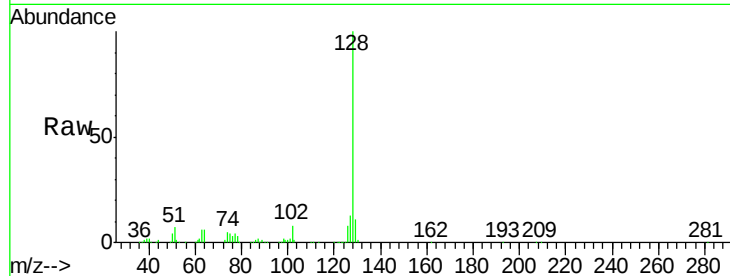
#95
Naphthalene
Concen: 50.893 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065318.D
Acq: 26 Feb 2020 10:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	11.0	8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 50.420 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065318.D
Acq: 26 Feb 2020 10:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	46.9	140.6
145	30.5	15.4	46.1

