

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021820\
 Data File : VD065230.D
 Acq On : 18 Feb 2020 20:36
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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 2/19/2020 1:43:46 PM

Quant Time: Feb 19 04:23:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	466787	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	709535	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	655835	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	318795	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	200402	47.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.44%	
35) Dibromofluoromethane	7.92	113	202772	46.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.74%	
50) Toluene-d8	10.34	98	783253	47.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.72%	
62) 4-Bromofluorobenzene	12.64	95	247509	47.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	195651	49.973	ug/l	98
3) Chloromethane	2.21	50	249538	50.075	ug/l	96
4) Vinyl Chloride	2.35	62	246150	48.576	ug/l	97
5) Bromomethane	2.77	94	149686	48.856	ug/l	95
6) Chloroethane	2.93	64	154691	50.012	ug/l	98
7) Trichlorofluoromethane	3.27	101	344829	47.531	ug/l	99
8) Diethyl Ether	3.71	74	114986	52.508	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	218341	47.658	ug/l	98
10) Methyl Iodide	4.30	142	243552	51.200	ug/l	98
11) Tert butyl alcohol	5.24	59	61044	243.270	ug/l	99
12) 1,1-Dichloroethene	4.06	96	211002	48.755	ug/l	98
13) Acrolein	3.93	56	68987	221.054	ug/l	98
14) Allyl chloride	4.71	41	355566	50.593	ug/l	100
15) Acrylonitrile	5.43	53	249930	257.784	ug/l	99
16) Acetone	4.17	43	218381	212.743	ug/l	93
17) Carbon Disulfide	4.40	76	707213	48.741	ug/l	99
18) Methyl Acetate	4.73	43	115722	50.125	ug/l	97
19) Methyl tert-butyl Ether	5.49	73	485297	53.773	ug/l	100
20) Methylene Chloride	4.96	84	248706	54.874	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	250221	50.859	ug/l	98
22) Diisopropyl ether	6.37	45	733134	54.112	ug/l	99
23) Vinyl Acetate	6.31	43	2052429	274.788	ug/l	100
24) 1,1-Dichloroethane	6.27	63	421902	50.205	ug/l	99
25) 2-Butanone	7.23	43	306467	235.971	ug/l	98
26) 2,2-Dichloropropane	7.21	77	343037	47.048	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	270120	51.832	ug/l	99
28) Bromochloromethane	7.55	49	167334	53.673	ug/l	97
29) Tetrahydrofuran	7.57	42	200569	263.571	ug/l	99
30) Chloroform	7.71	83	428532	50.616	ug/l	99
31) Cyclohexane	7.99	56	383301	46.423	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	367308	48.490	ug/l	99
36) 1,1-Dichloropropene	8.11	75	328595	47.596	ug/l	100
37) Ethyl Acetate	7.30	43	142955	49.532	ug/l	99
38) Carbon Tetrachloride	8.10	117	334528	47.599	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	402225	49.557	ug/l	98
40) Benzene	8.36	78	983054	50.447	ug/l	99
41) Methacrylonitrile	7.53	41	64128	38.482	ug/l #	82
42) 1,2-Dichloroethane	8.43	62	266767	49.796	ug/l	99
43) Isopropyl Acetate	8.46	43	266546	50.787	ug/l	99
44) Trichloroethene	9.12	130	258779	47.908	ug/l	98
45) 1,2-Dichloropropane	9.40	63	245677	50.702	ug/l	100
46) Dibromomethane	9.48	93	125505	50.341	ug/l	98
47) Bromodichloromethane	9.67	83	329821	50.199	ug/l	100
48) Methyl methacrylate	9.46	41	127017	52.358	ug/l	94
49) 1,4-Dioxane	9.47	88	29049	993.451	ug/l	97
51) 4-Methyl-2-Pentanone	10.24	43	692588	259.817	ug/l	100
52) Toluene	10.41	92	621781	51.549	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	314335	51.615	ug/l	97
54) cis-1,3-Dichloropropene	10.10	75	378614	51.484	ug/l	100
55) 1,1,2-Trichloroethane	10.81	97	175393	49.983	ug/l	97
56) Ethyl methacrylate	10.67	69	216486	53.450	ug/l	98
57) 1,3-Dichloropropane	10.96	76	305841	51.209	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	305567	239.299	ug/l	100
59) 2-Hexanone	10.99	43	471450	247.065	ug/l	98
60) Dibromochloromethane	11.14	129	225582	50.226	ug/l	99
61) 1,2-Dibromoethane	11.25	107	165130	49.701	ug/l	100
64) Tetrachloroethene	10.88	164	221757	47.675	ug/l	96
65) Chlorobenzene	11.68	112	646493	49.122	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	242006	49.275	ug/l	99
67) Ethyl Benzene	11.75	91	1161192	50.377	ug/l	99
68) m/p-Xylenes	11.86	106	886919	100.572	ug/l	99
69) o-Xylene	12.19	106	399208	51.096	ug/l	99
70) Styrene	12.20	104	720686	51.954	ug/l	99
71) Bromoform	12.37	173	131563	48.275	ug/l #	100
73) Isopropylbenzene	12.48	105	1069505	50.674	ug/l	99
74) N-amyl acetate	12.30	43	239956	51.166	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	183802	48.253	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	127683m	47.074	ug/l	
77) Bromobenzene	12.77	156	259002	49.419	ug/l	99
78) n-propylbenzene	12.83	91	1272405	50.167	ug/l	99
79) 2-Chlorotoluene	12.91	91	718628	50.577	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	885067	50.915	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	60359	48.048	ug/l	98
82) 4-Chlorotoluene	13.01	91	749016	49.655	ug/l	100
83) tert-Butylbenzene	13.23	119	734542	50.417	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	883764	50.793	ug/l	99
85) sec-Butylbenzene	13.41	105	1036852	49.389	ug/l	100
86) p-Isopropyltoluene	13.53	119	963660	50.194	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	493103	48.669	ug/l	98
88) 1,4-Dichlorobenzene	13.61	146	489393	48.941	ug/l	99
89) n-Butylbenzene	13.86	91	875627	49.495	ug/l	99
90) Hexachloroethane	14.12	117	190411	48.846	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	429066	49.320	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	27723	47.228	ug/l	95

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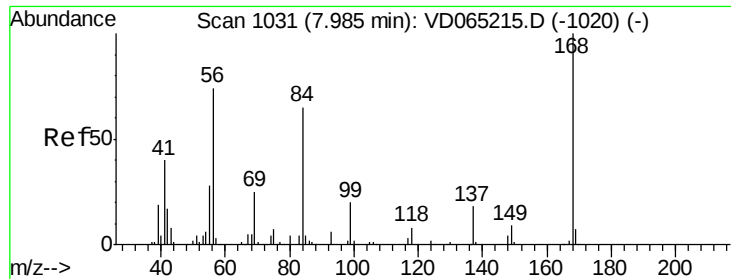
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	282061	49.567	ug/l	99
94) Hexachlorobutadiene	15.28	225	167566	45.904	ug/l	99
95) Naphthalene	15.41	128	485773	52.511	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	250238	50.351	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065230.D

Acq: 18 Feb 2020 20:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 466787

Ion Ratio Lower Upper

168 100

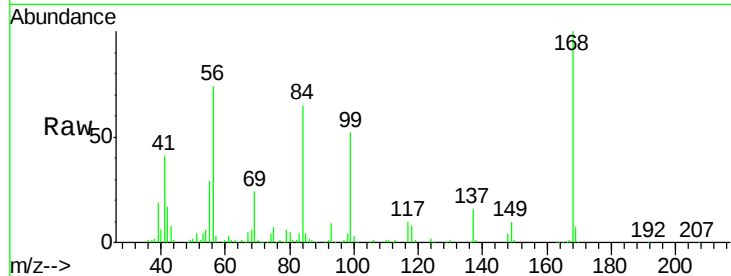
99 52.3 41.4 62.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

250000

200000

150000

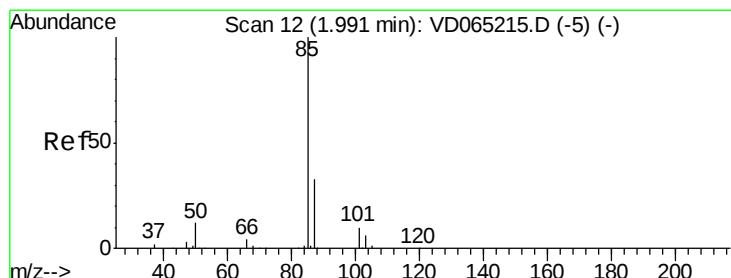
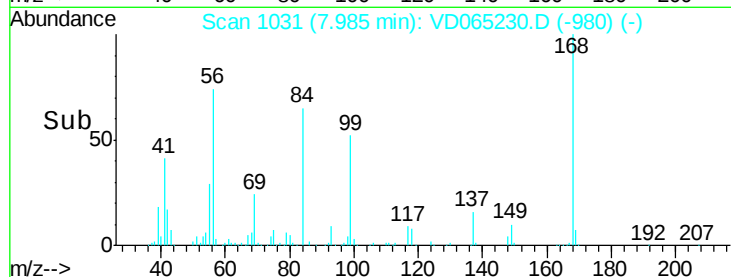
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 49.973 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065230.D

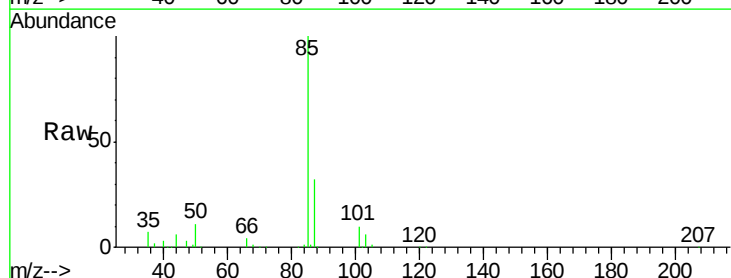
Acq: 18 Feb 2020 20:36

Tgt Ion: 85 Resp: 195651

Ion Ratio Lower Upper

85 100

87 31.8 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

150000

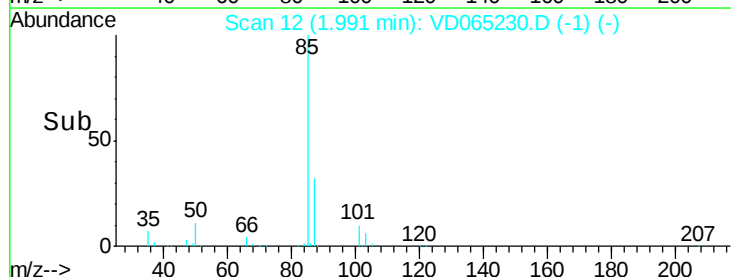
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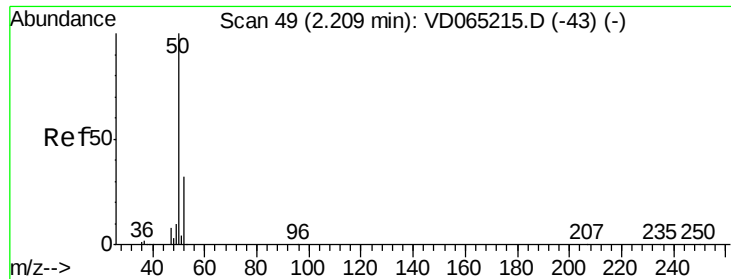
50000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 50.075 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065230.D

Acq: 18 Feb 2020 20:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 249538

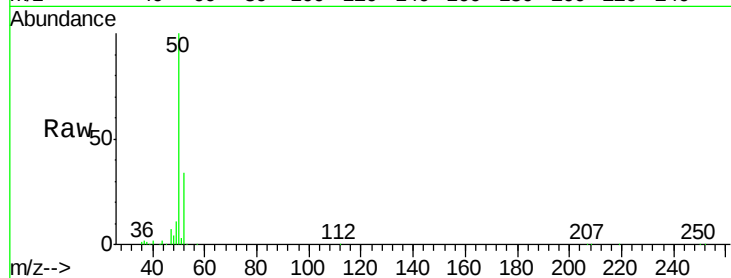
Ion Ratio Lower Upper

50 100

52 34.2 25.5 38.3

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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

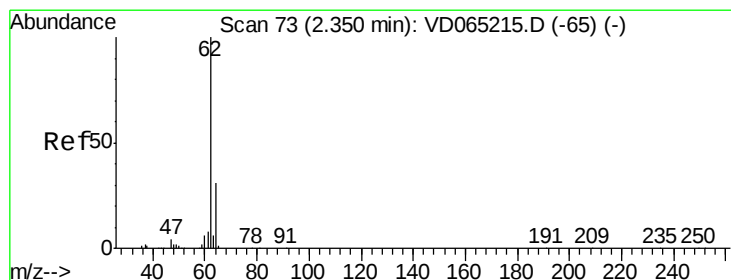
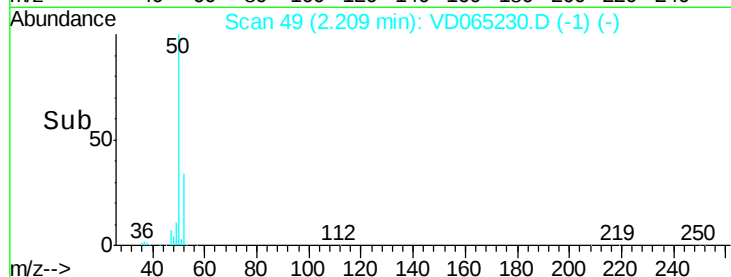
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 48.576 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065230.D

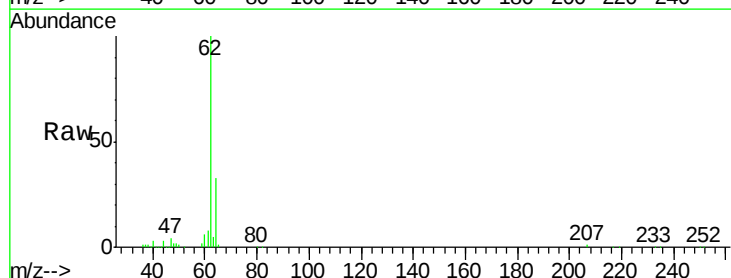
Acq: 18 Feb 2020 20:36

Tgt Ion: 62 Resp: 246150

Ion Ratio Lower Upper

62 100

64 32.8 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

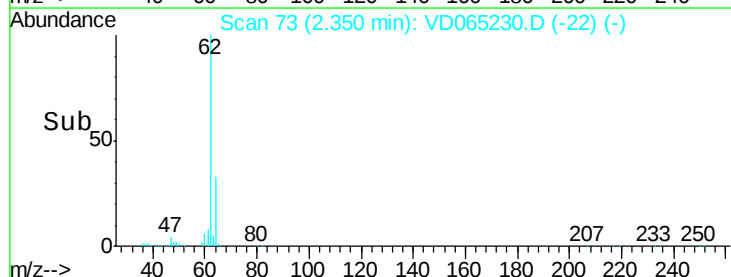
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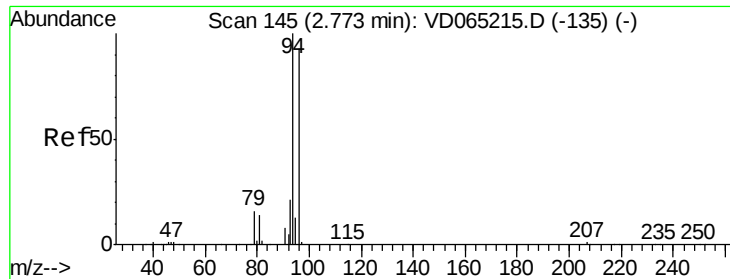
100000

50000

0

Time-->





#5

Bromomethane

Concen: 48.856 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD065230.D

Acq: 18 Feb 2020 20:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 149686

Ion Ratio Lower Upper

94 100

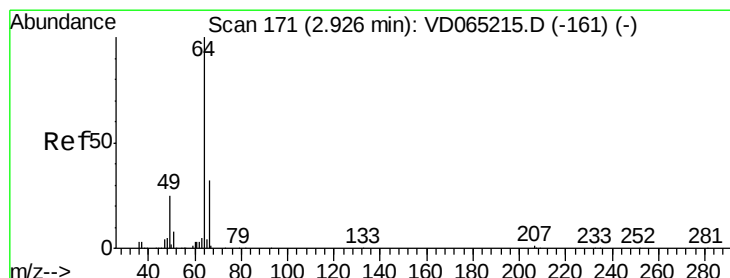
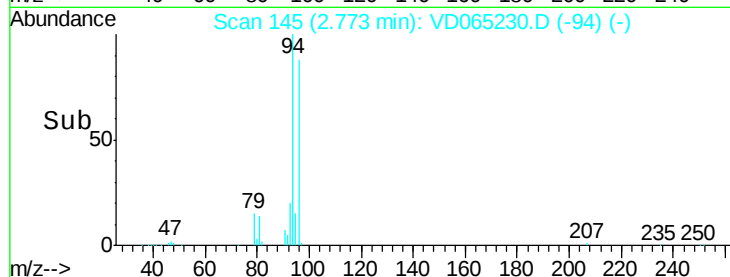
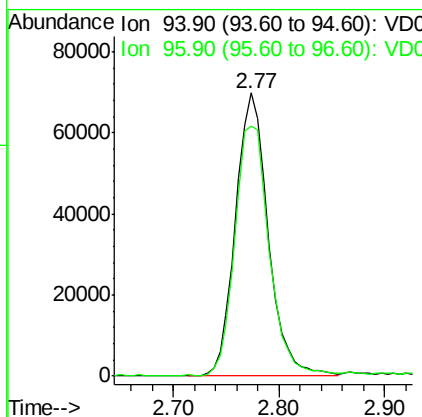
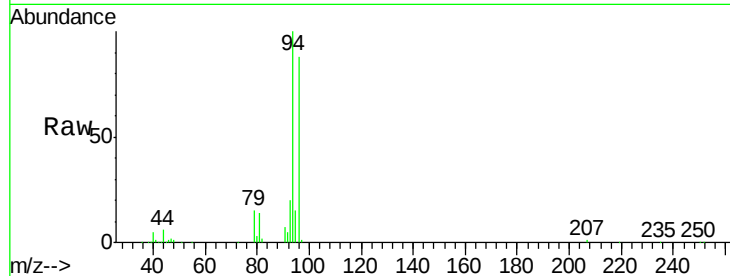
96 87.9 74.2 111.4

Manual Integrations

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#6

Chloroethane

Concen: 50.012 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD065230.D

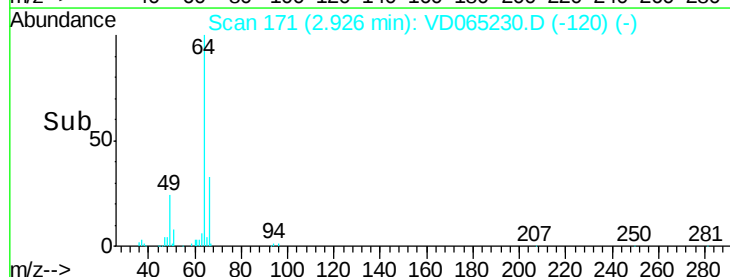
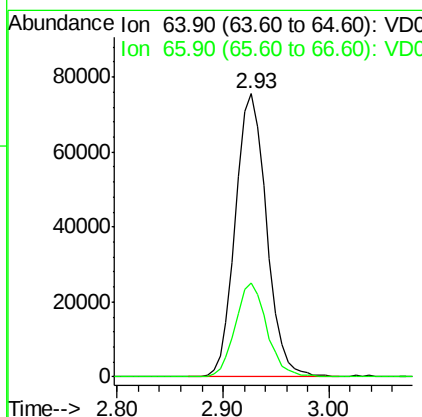
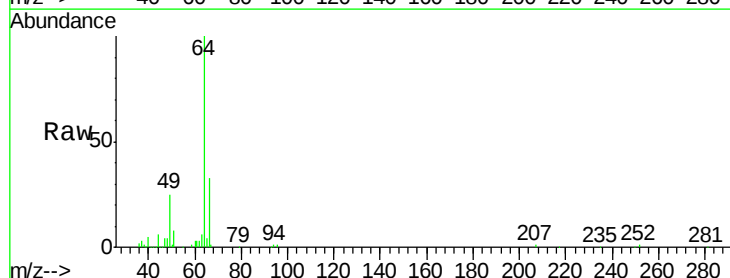
Acq: 18 Feb 2020 20:36

Tgt Ion: 64 Resp: 154691

Ion Ratio Lower Upper

64 100

66 33.4 25.7 38.5





#7

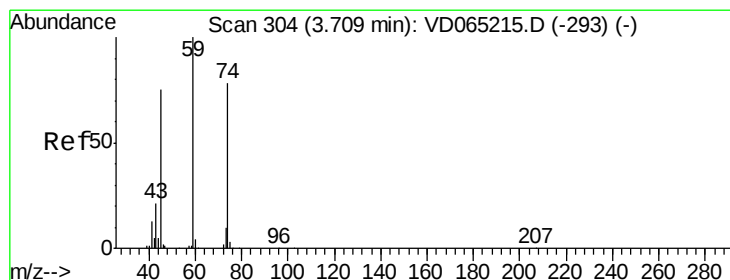
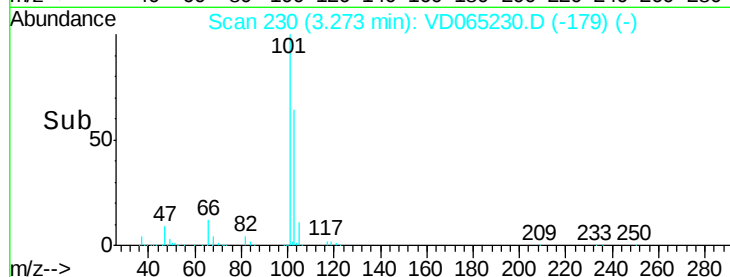
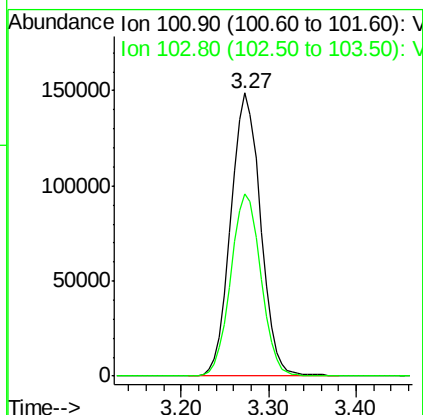
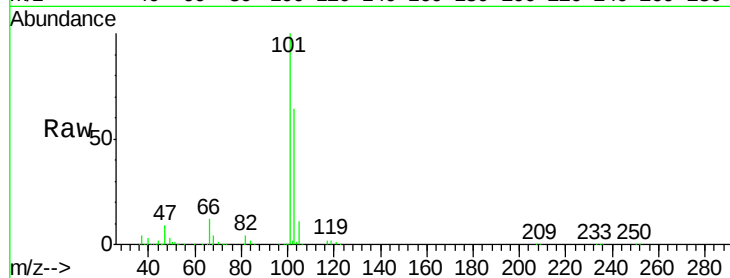
Trichlorofluoromethane
Concen: 47.531 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD065230.D
Acq: 18 Feb 2020 20:36

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	50.7	76.1

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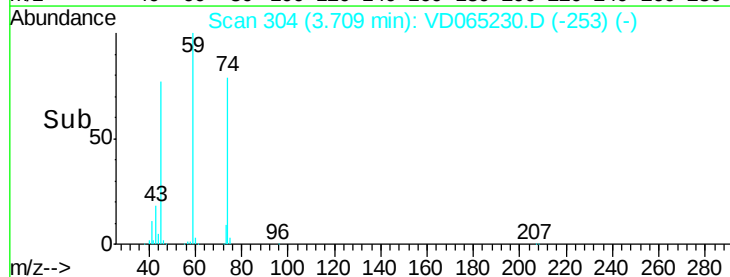
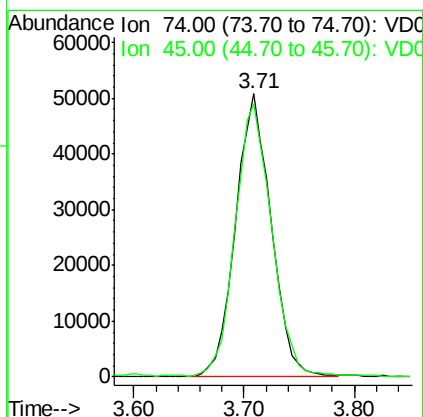
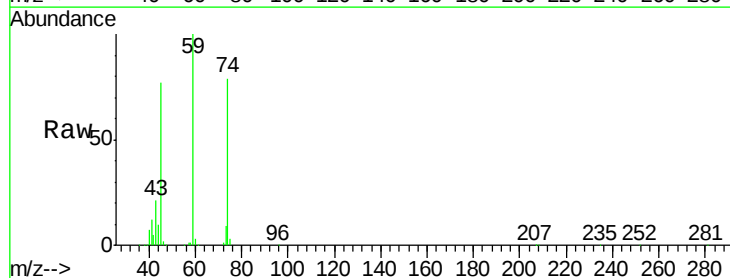
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#8

Diethyl Ether
Concen: 52.508 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD065230.D
Acq: 18 Feb 2020 20:36

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.6	50.0	149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.658 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD065230.D

Acq: 18 Feb 2020 20:36

Instrument :

MSVOA_D

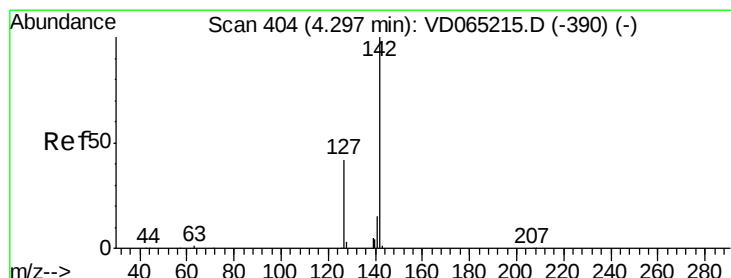
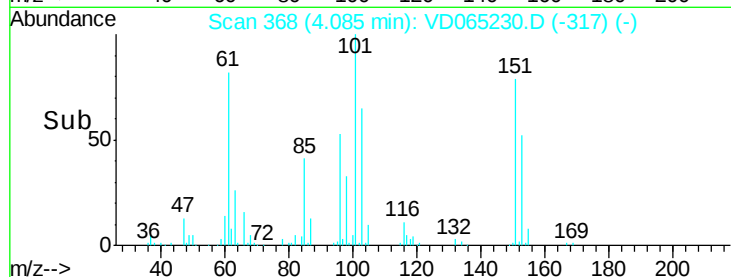
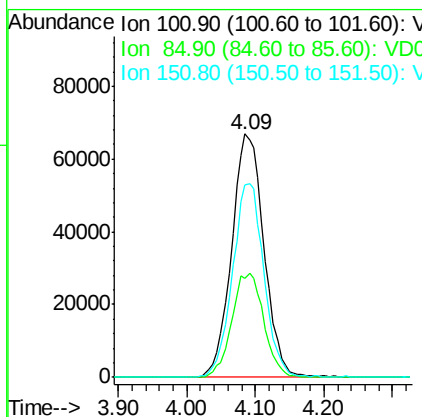
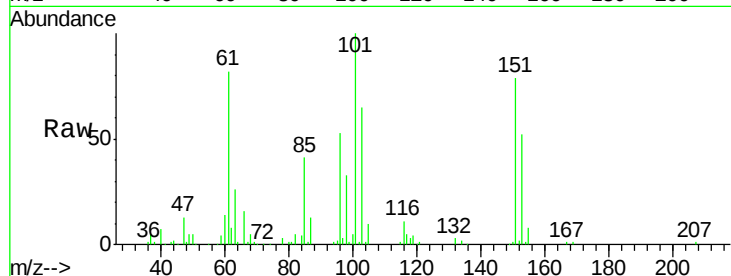
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	218341
Ion Ratio	Lower	Upper	
101	100		
85	42.3	34.2	51.2
151	77.6	63.5	95.3

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#10

Methyl Iodide

Concen: 51.200 ug/l

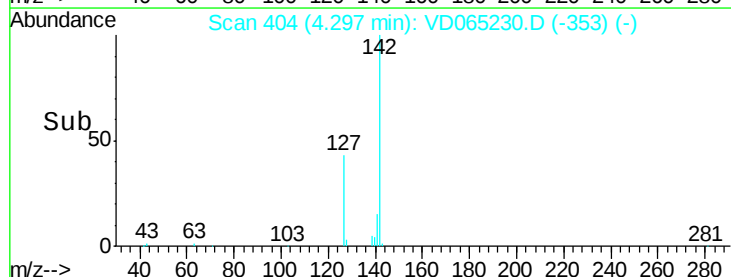
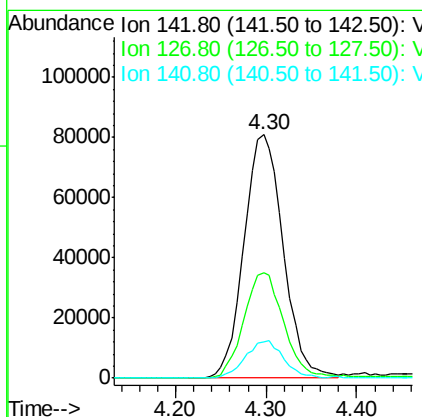
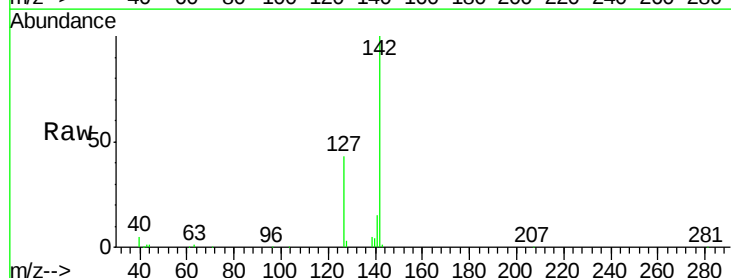
RT: 4.30 min Scan# 404

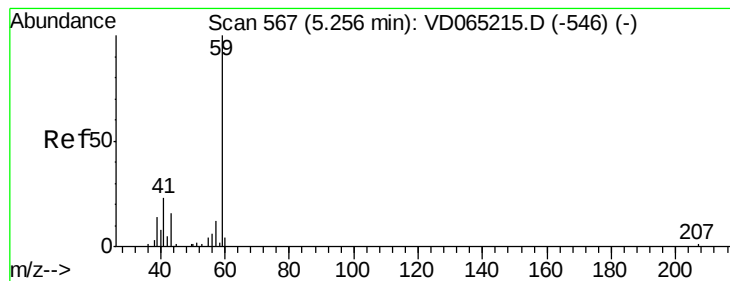
Delta R.T. 0.00 min

Lab File: VD065230.D

Acq: 18 Feb 2020 20:36

Tgt Ion:	142	Resp:	243552
Ion Ratio	Lower	Upper	
142	100		
127	43.8	33.8	50.8
141	14.8	11.7	17.5





#11

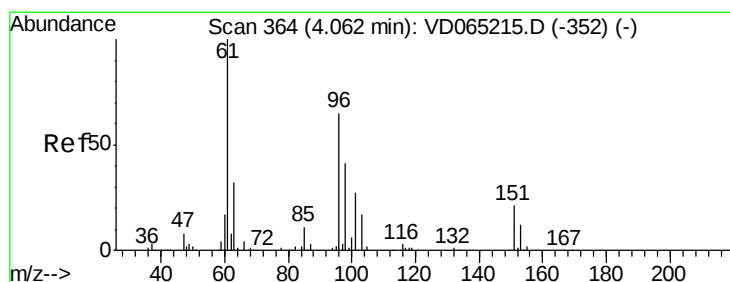
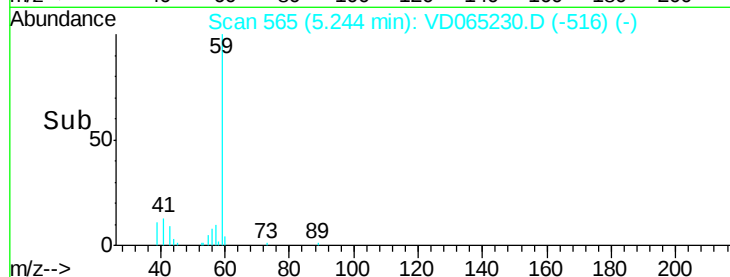
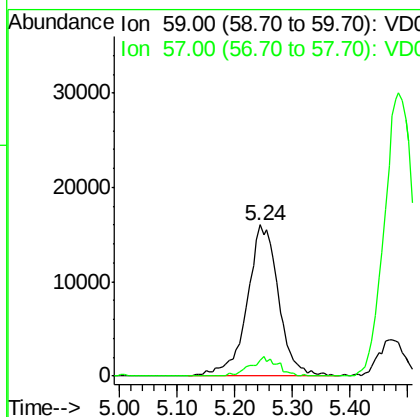
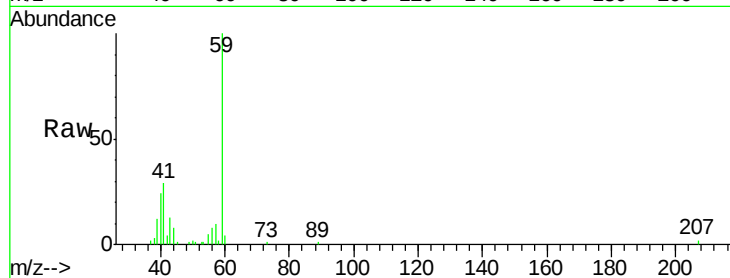
Tert butyl alcohol
Concen: 243.270 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.01 min
Lab File: VD065230.D
Acq: 18 Feb 2020 20:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.4	12.6

Manual Integrations
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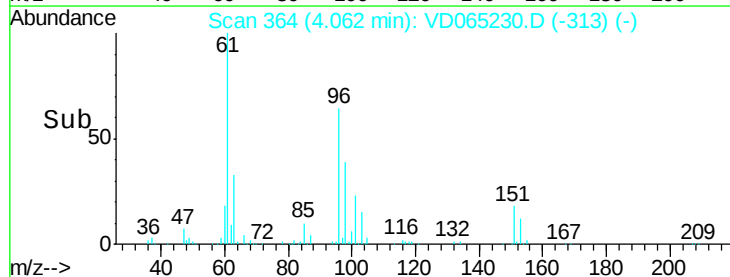
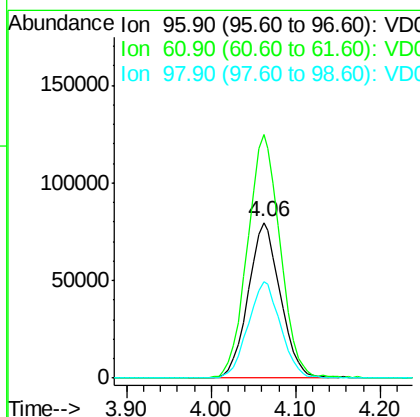
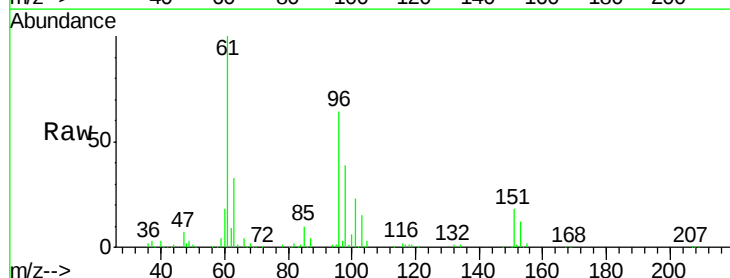
MMDadoda
2/19/2020 1:43:46 PM



#12

1,1-Dichloroethene
Concen: 48.755 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD065230.D
Acq: 18 Feb 2020 20:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.5	123.3	184.9
98	61.7	51.0	76.4





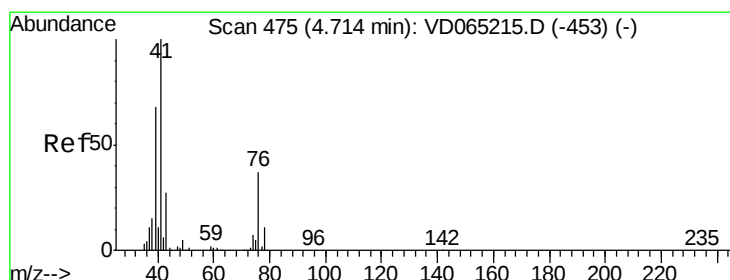
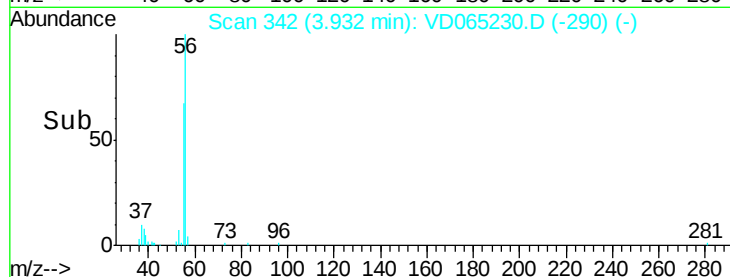
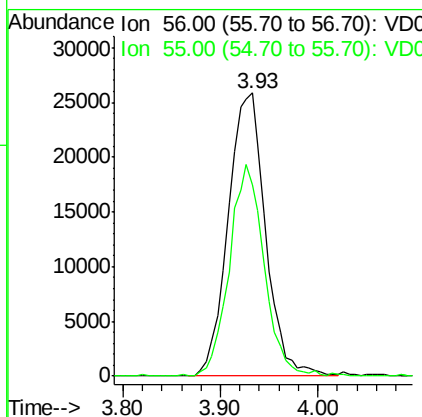
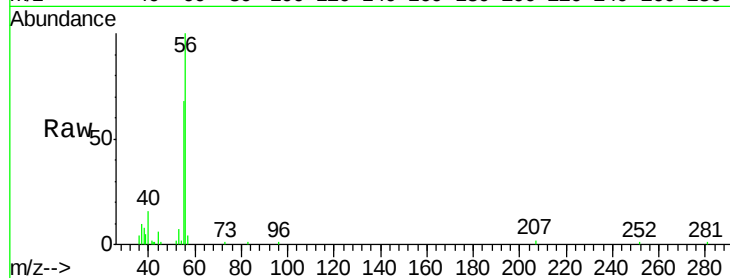
#13
Acrolein
Concen: 221.054 ug/l
RT: 3.93 min Scan# 342
Delta R.T. 0.01 min
Lab File: VD065230.D
Acq: 18 Feb 2020 20:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	68987
Ion Ratio	100	Lower	Upper
55	69.2	56.6	85.0

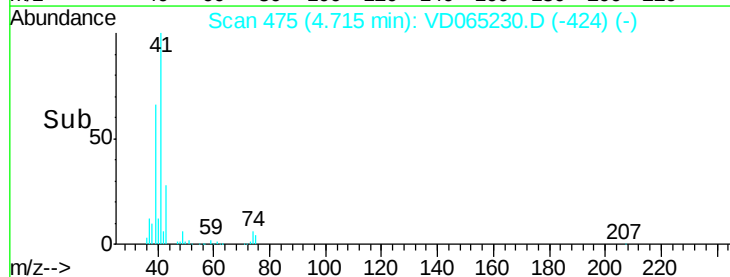
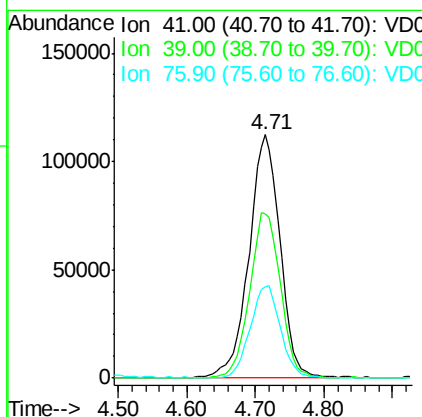
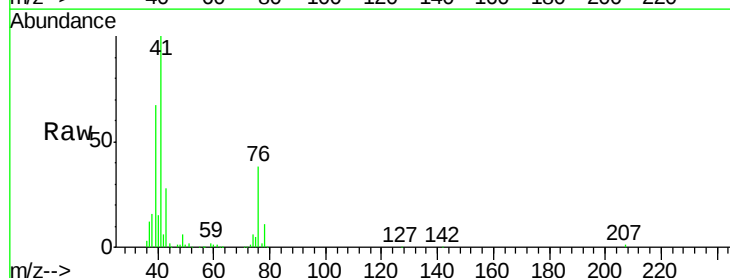
Manual Integrations
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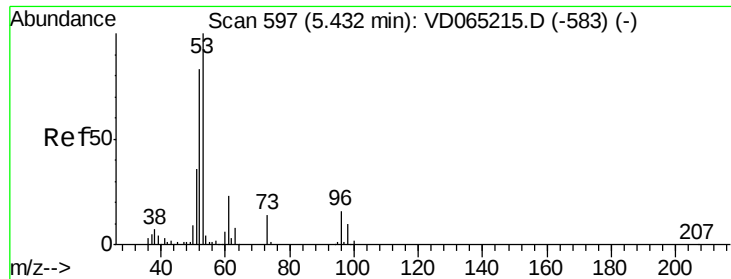
MMDadoda
2/19/2020 1:43:46 PM



#14
Allyl chloride
Concen: 50.593 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD065230.D
Acq: 18 Feb 2020 20:36

Tgt Ion	41	Resp	355566
Ion Ratio	100	Lower	Upper
39	67.3	53.8	80.6
76	36.2	28.7	43.1





#15

Acrylonitrile

Concen: 257.784 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD065230.D

Acq: 18 Feb 2020 20:36

Instrument :

MSVOA_D

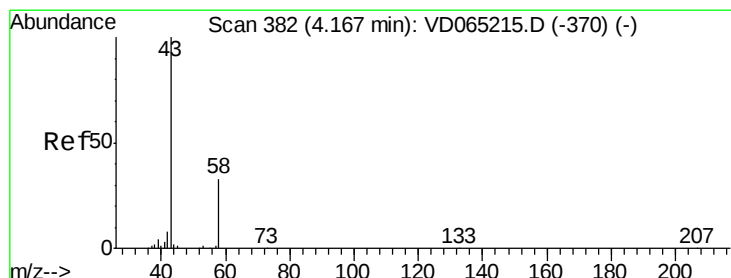
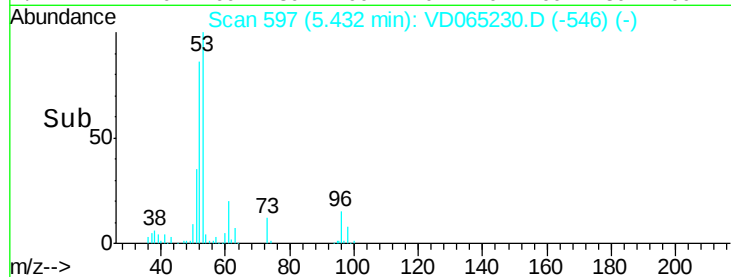
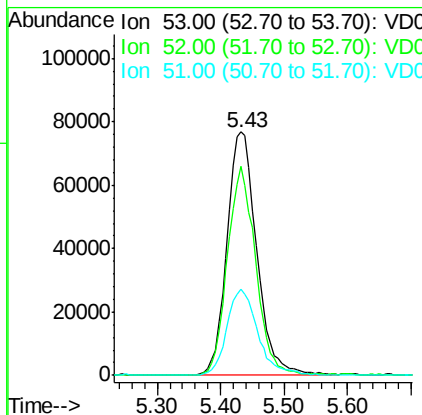
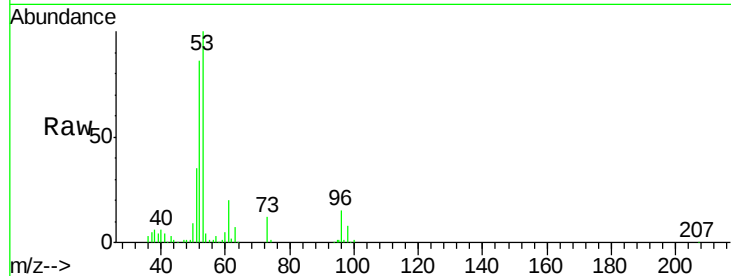
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	249930
Ion Ratio	Lower	Upper	
53	100		
52	81.1	65.4	98.2
51	36.8	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 212.743 ug/l

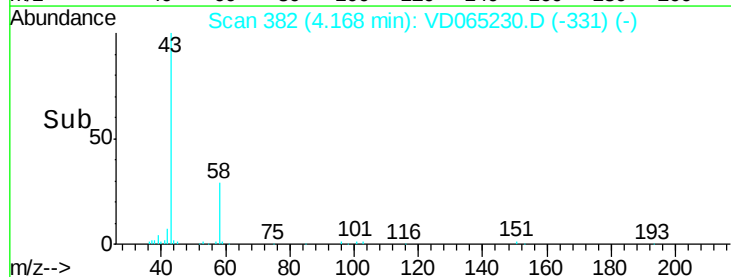
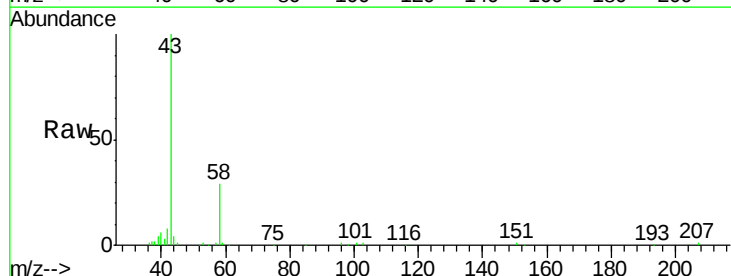
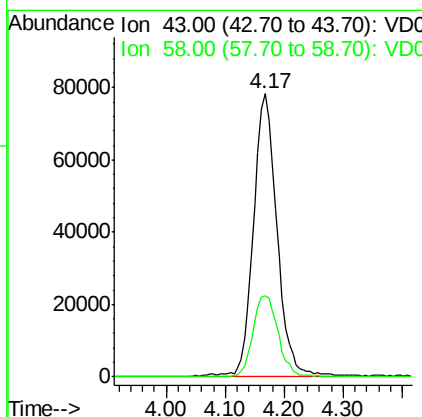
RT: 4.17 min Scan# 382

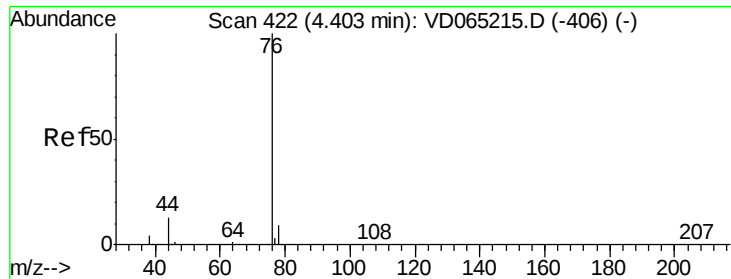
Delta R.T. 0.00 min

Lab File: VD065230.D

Acq: 18 Feb 2020 20:36

Tgt Ion:	43	Resp:	218381
Ion Ratio	Lower	Upper	
43	100		
58	28.8	26.2	39.2





#17

Carbon Disulfide

Concen: 48.741 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.00 min

Lab File: VD065230.D

Acq: 18 Feb 2020 20:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 707213

Ion Ratio Lower Upper

76 100

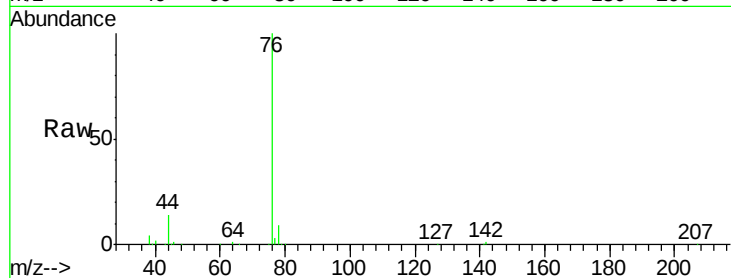
78 9.2 7.0 10.6

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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

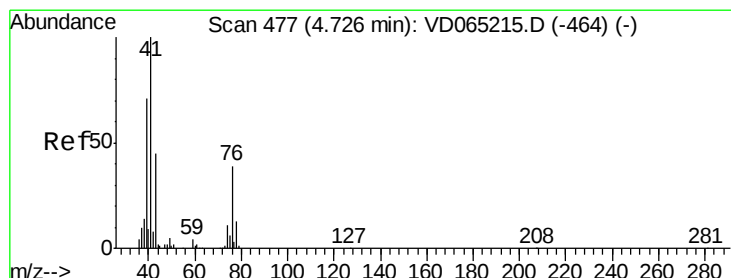
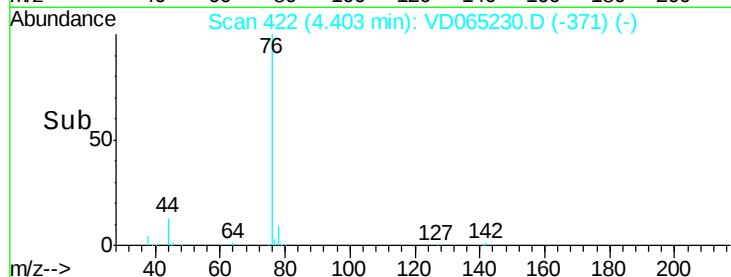
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 50.125 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD065230.D

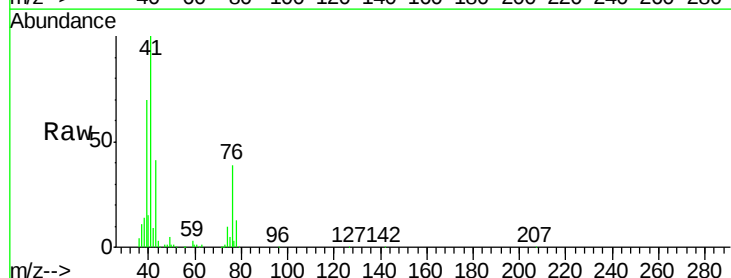
Acq: 18 Feb 2020 20:36

Tgt Ion: 43 Resp: 115722

Ion Ratio Lower Upper

43 100

74 22.8 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.73

40000

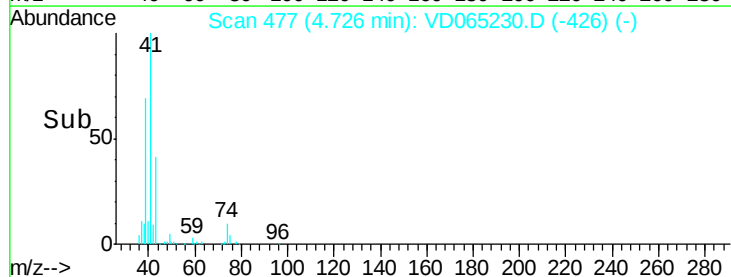
30000

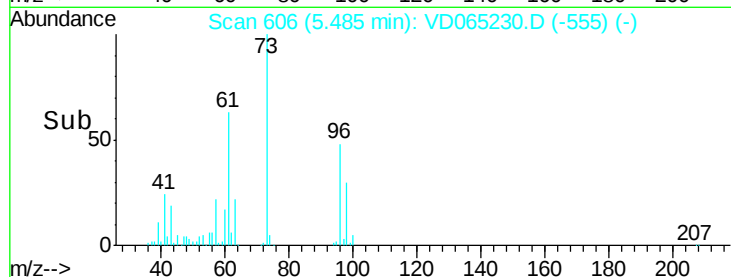
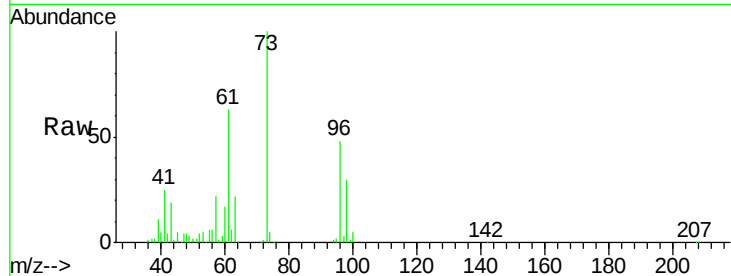
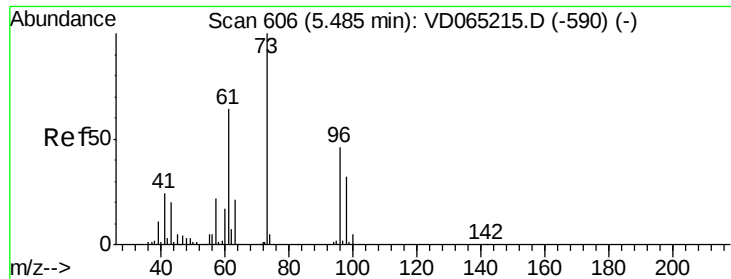
20000

10000

0

Time-->





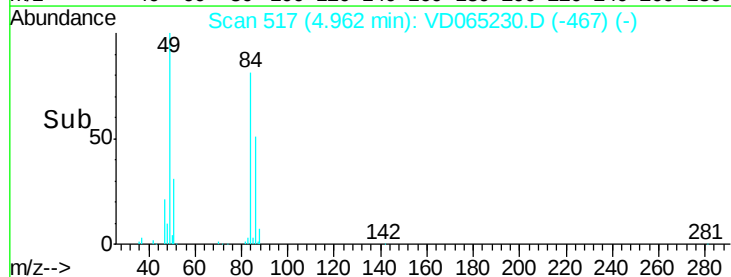
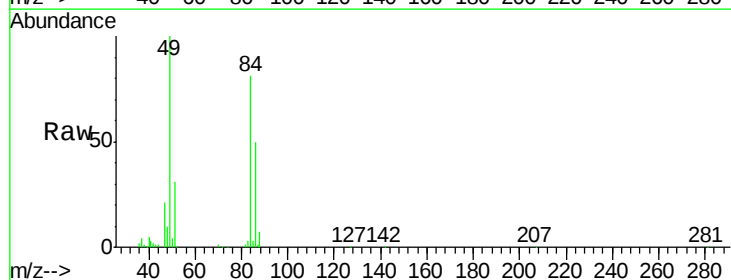
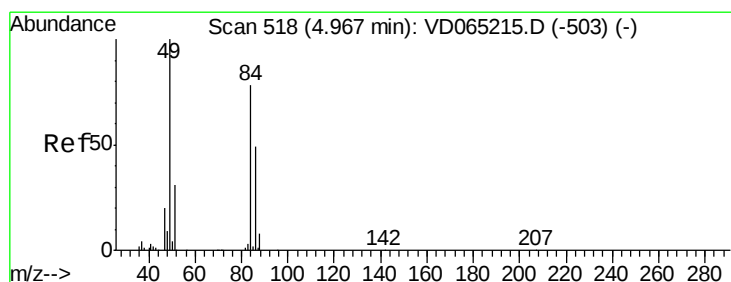
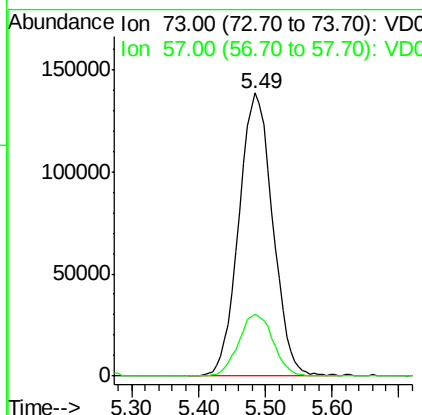
#19
Methvl tert-butvl Ether
Concen: 53.773 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD065230.D
Acq: 18 Feb 2020 20:36

Tot Ion: 73 Resp: 485297
Ion Ratio Lower Upper
73 100
57 21.7 17.3 25.9

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

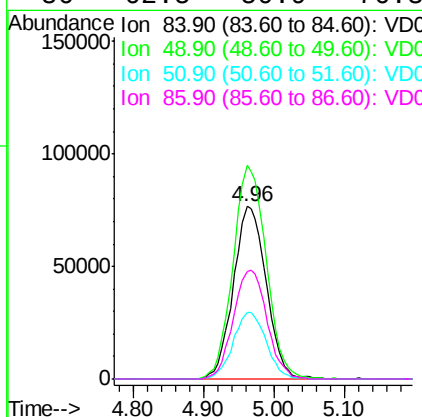
Manual Integrations
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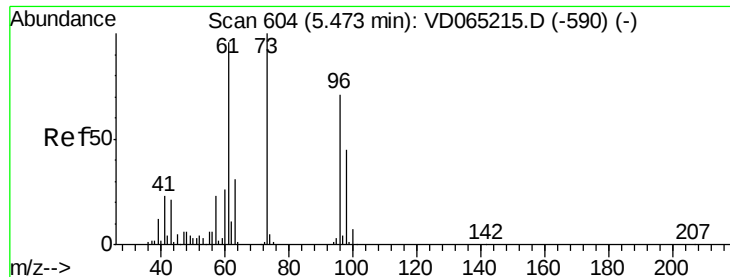
MMDadoda
2/19/2020 1:43:46 PM



#20
Methylene Chloride
Concen: 54.874 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065230.D
Acq: 18 Feb 2020 20:36

Tgt Ion: 84 Resp: 248706
Ion Ratio Lower Upper
84 100
49 124.0 103.1 154.7
51 38.5 31.7 47.5
86 62.5 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 50.859 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065230.D

Acq: 18 Feb 2020 20:36

Instrument :

MSVOA_D

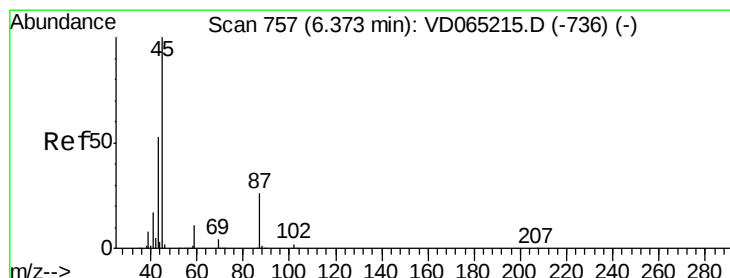
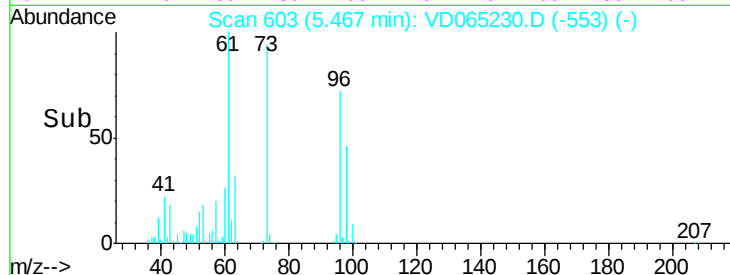
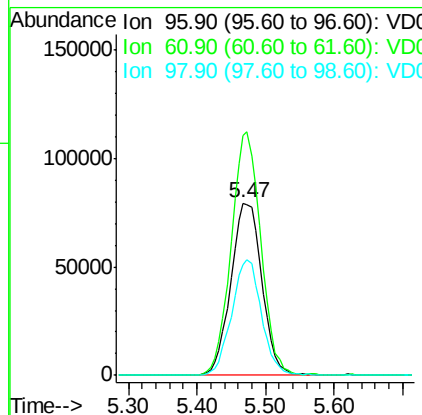
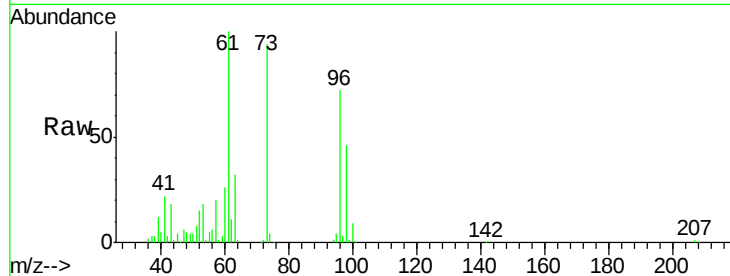
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	250221
Ion	Ratio	Lower	Upper
96	100		
61	138.9	108.3	162.5
98	63.8	50.7	76.1

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2/19/2020 1:43:46 PM



#22

Diisopropyl ether

Concen: 54.112 ug/l

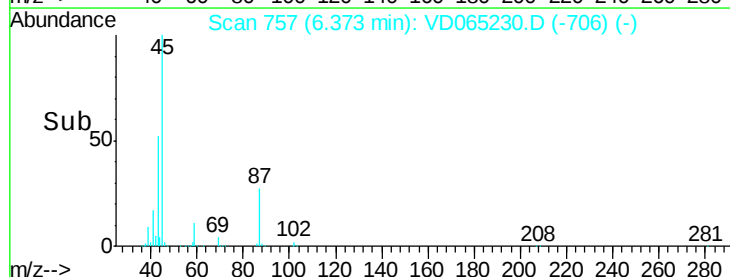
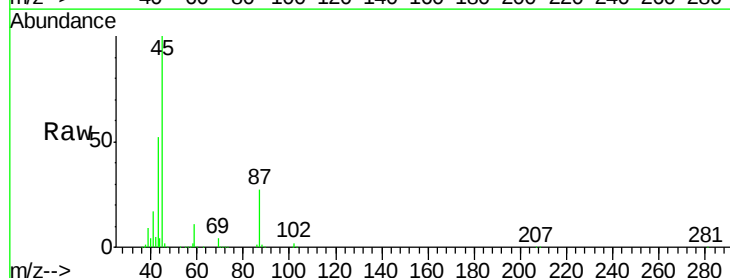
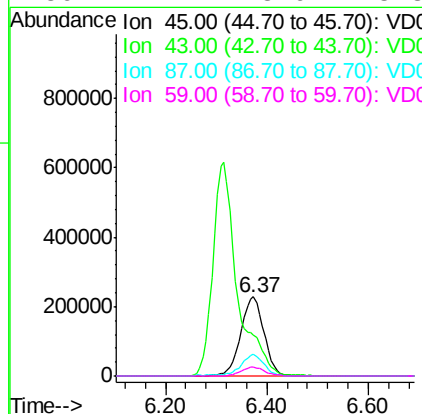
RT: 6.37 min Scan# 757

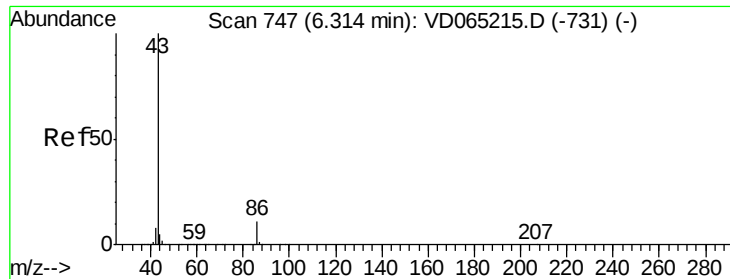
Delta R.T. 0.00 min

Lab File: VD065230.D

Acq: 18 Feb 2020 20:36

Tgt Ion:	45	Resp:	733134
Ion	Ratio	Lower	Upper
45	100		
43	51.8	42.6	64.0
87	26.9	21.2	31.8
59	11.1	8.9	13.3





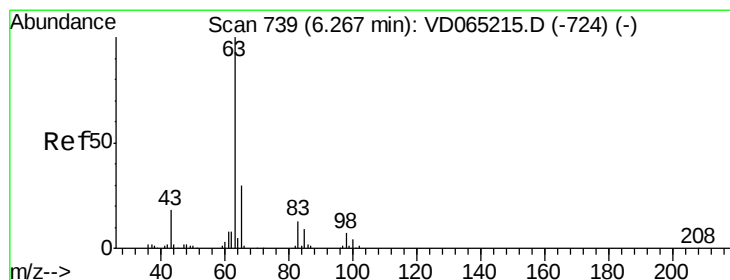
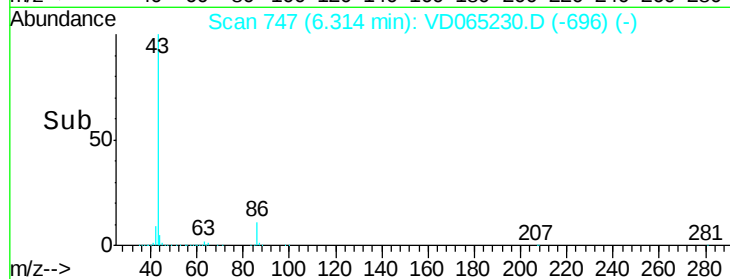
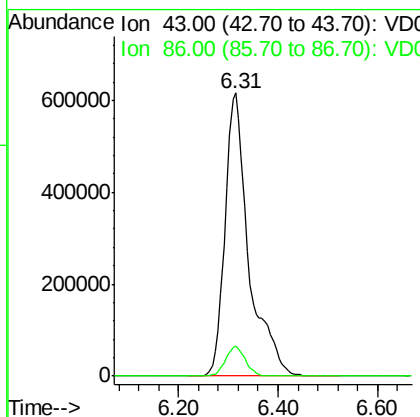
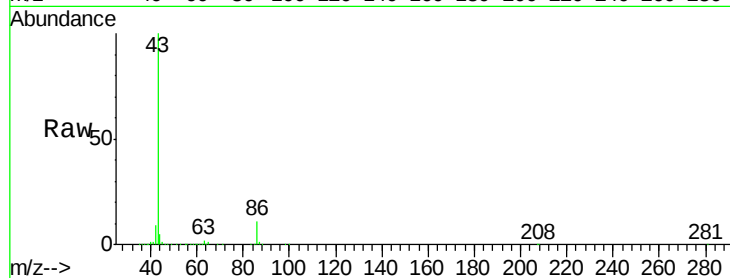
#23
 Vinyl Acetate
 Concen: 274.788 ug/l
 RT: 6.31 min Scan# 747
 Delta R.T. 0.00 min
 Lab File: VD065230.D
 Acq: 18 Feb 2020 20:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 2052429
 Ion Ratio Lower Upper
 43 100
 86 10.7 8.6 12.8

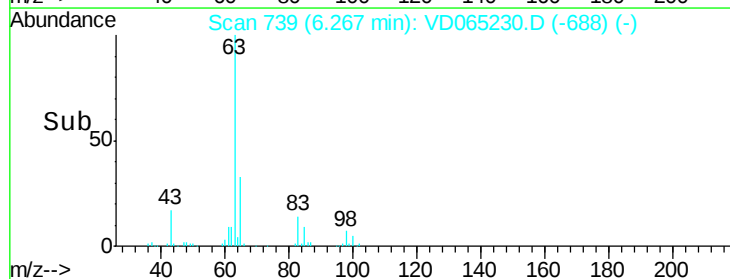
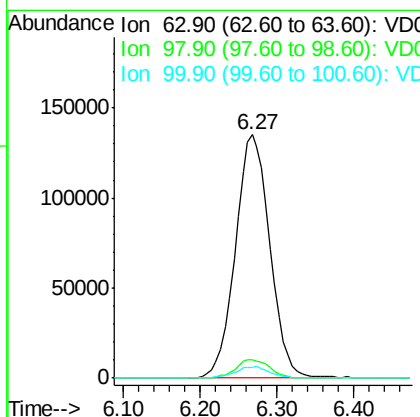
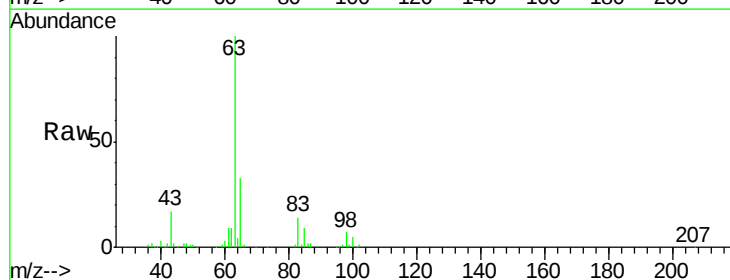
Manual Integrations
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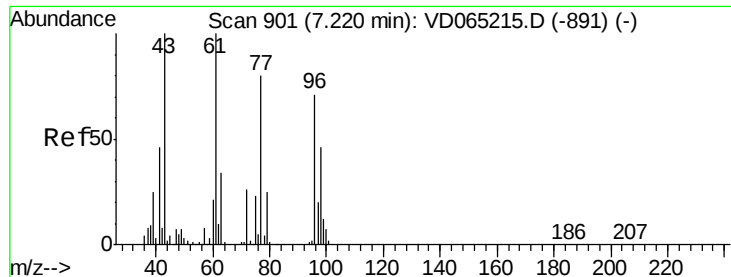
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 50.205 ug/l
 RT: 6.27 min Scan# 739
 Delta R.T. 0.00 min
 Lab File: VD065230.D
 Acq: 18 Feb 2020 20:36

Tgt Ion: 63 Resp: 421902
 Ion Ratio Lower Upper
 63 100
 98 7.3 3.4 10.1
 100 4.6 2.3 6.8





#25

2-Butanone

Concen: 235.971 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD065230.D

Acq: 18 Feb 2020 20:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 306467

Ion Ratio Lower Upper

43 100

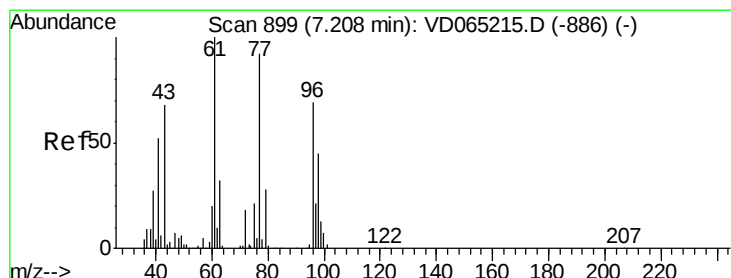
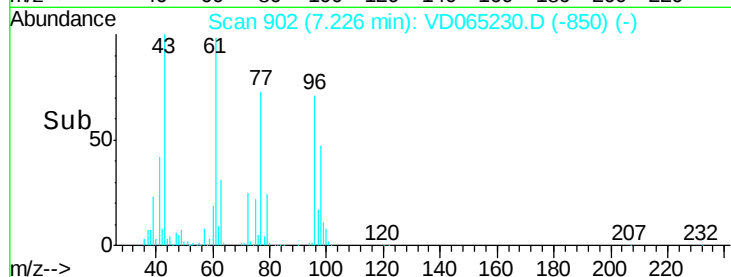
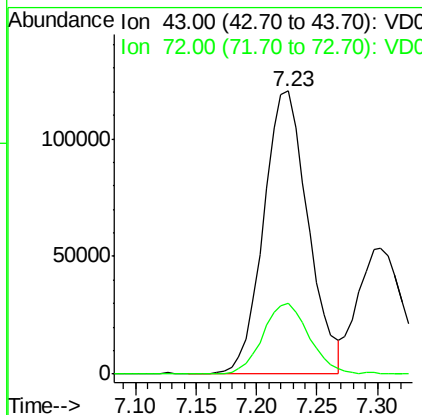
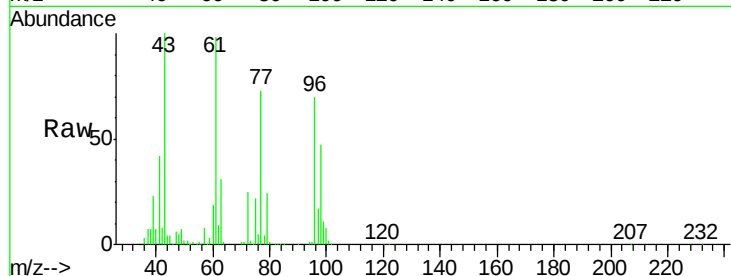
72 25.0 20.9 31.3

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 47.048 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD065230.D

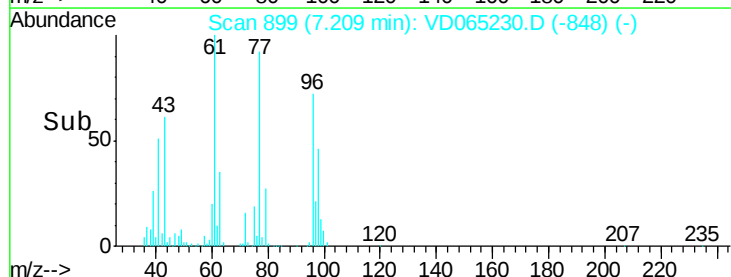
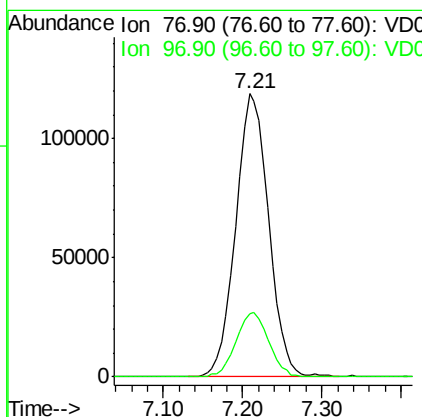
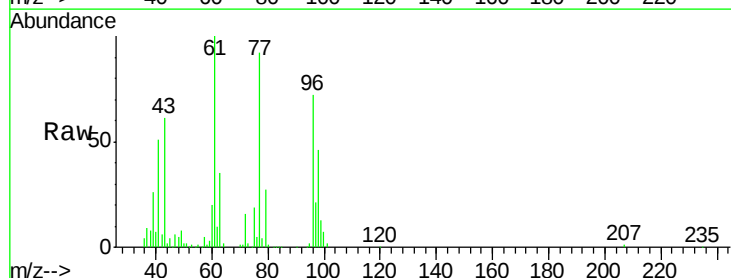
Acq: 18 Feb 2020 20:36

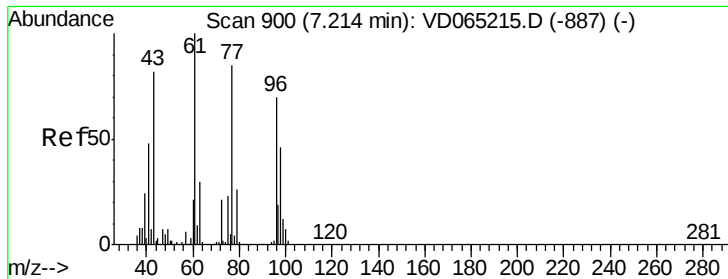
Tgt Ion: 77 Resp: 343037

Ion Ratio Lower Upper

77 100

97 22.7 11.7 35.1





#27

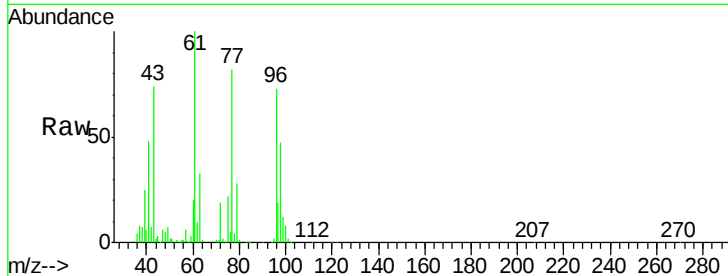
cis-1,2-Dichloroethene
Concen: 51.832 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD065230.D
Acq: 18 Feb 2020 20:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

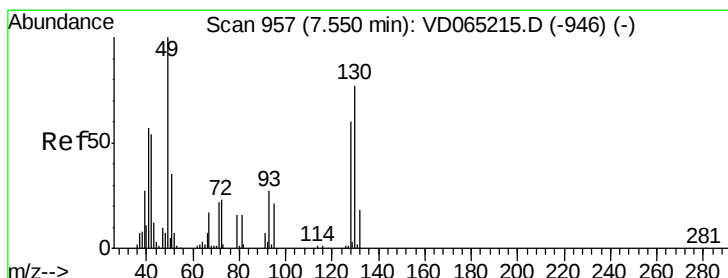
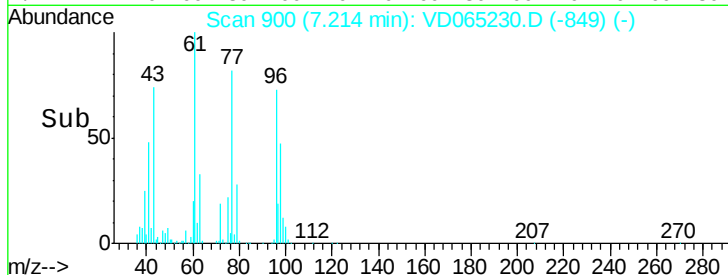
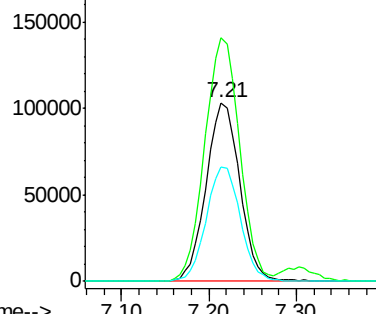
Tot Ion	Ratio	Resp	Lower	Upper
96	100	270120		
61	141.3	0.0	286.0	
98	64.5	0.0	127.8	

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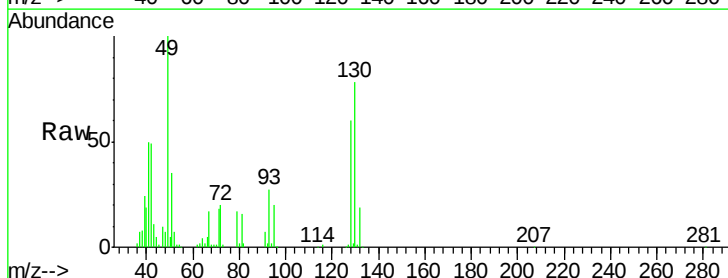
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



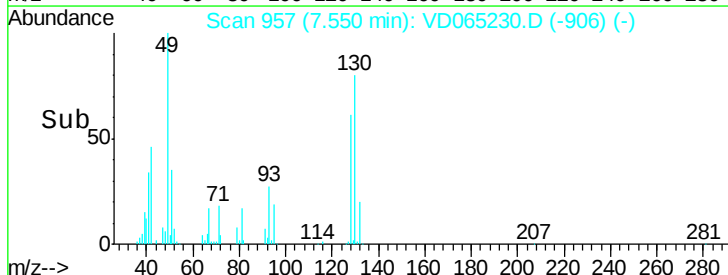
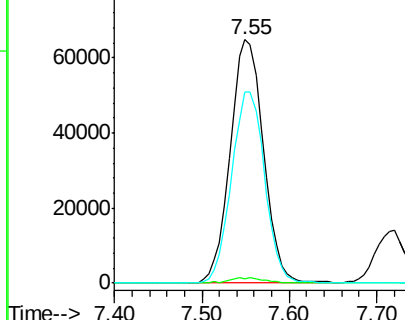
#28

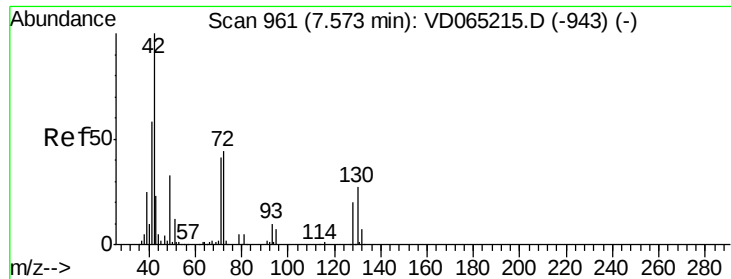
Bromochloromethane
Concen: 53.673 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD065230.D
Acq: 18 Feb 2020 20:36

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	167334		
129	2.2	0.0	4.6	
130	78.3	64.7	97.1	



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





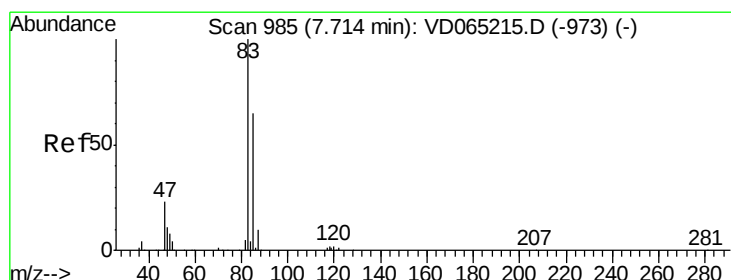
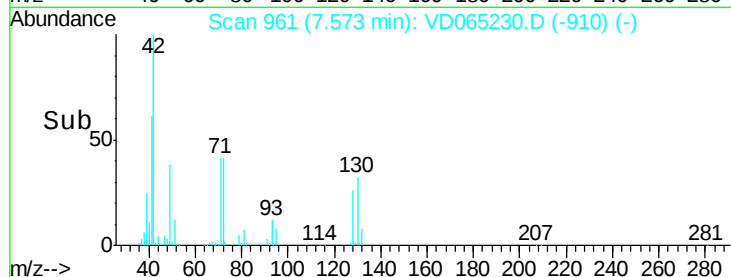
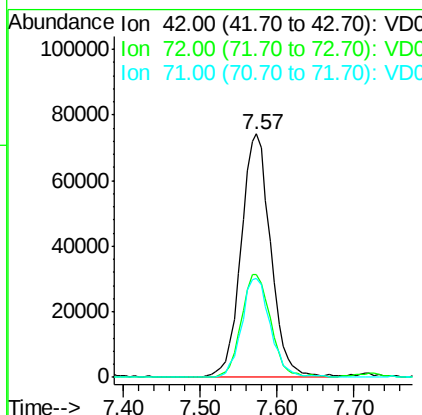
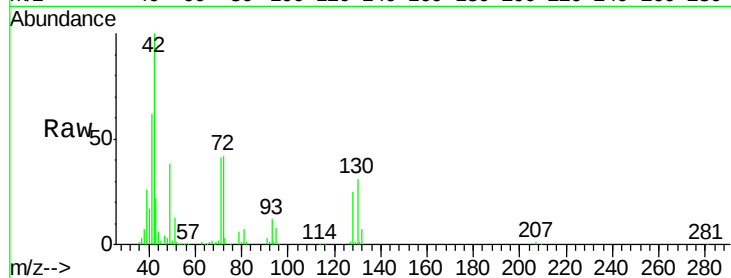
#29
Tetrahydrofuran
Concen: 263.571 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD065230.D
Acq: 18 Feb 2020 20:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.5	33.7	50.5
71	39.2	31.4	47.2

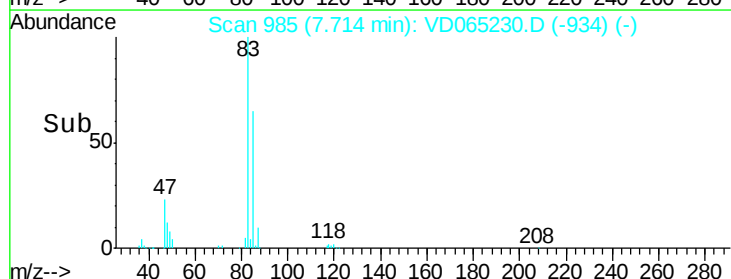
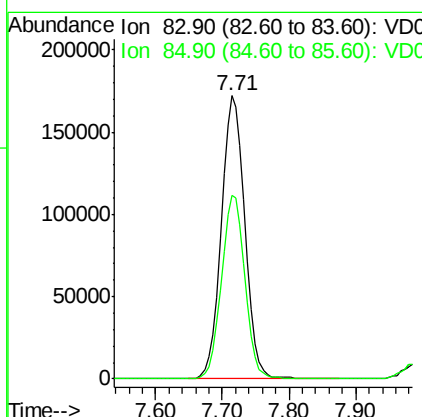
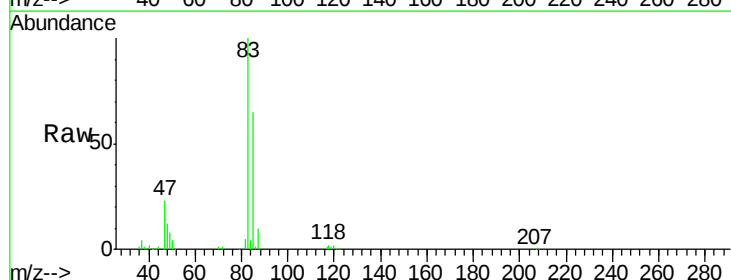
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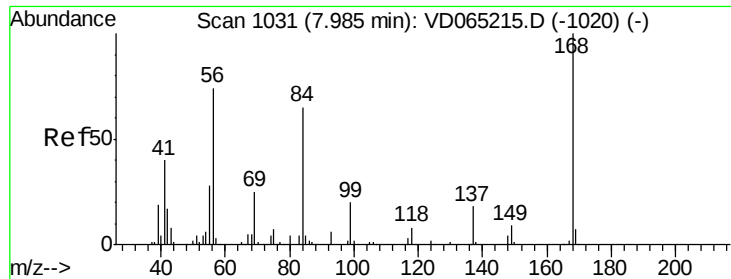
MMDadoda
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#30
Chloroform
Concen: 50.616 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065230.D
Acq: 18 Feb 2020 20:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.3	78.5





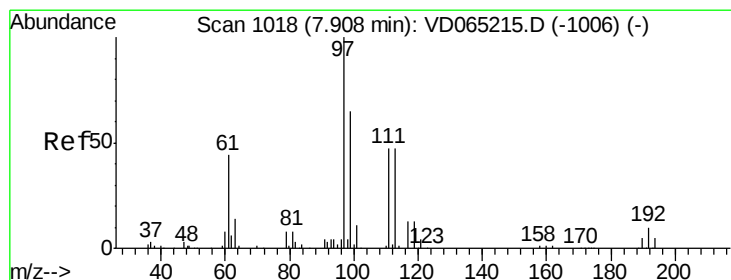
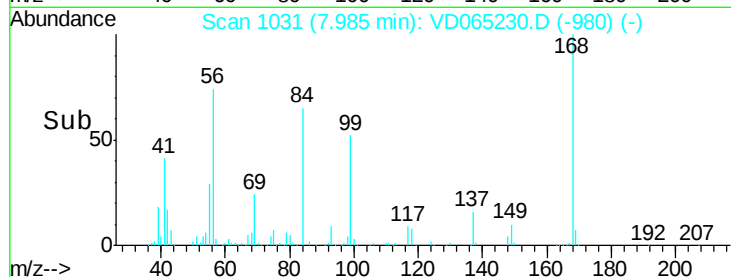
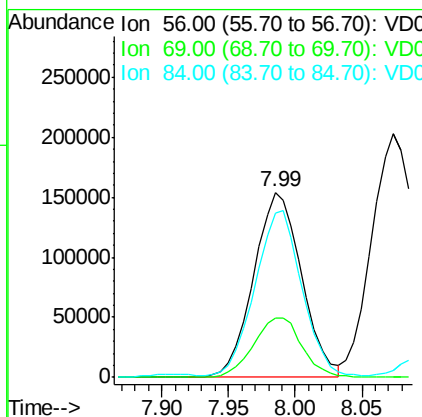
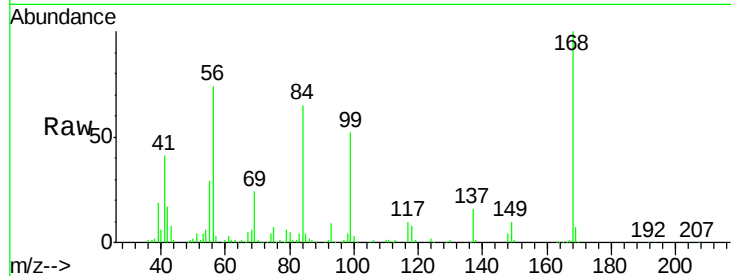
#31
Cyclohexane
Concen: 46.423 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065230.D
Acq: 18 Feb 2020 20:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.4	27.4	41.0
84	87.0	71.1	106.7

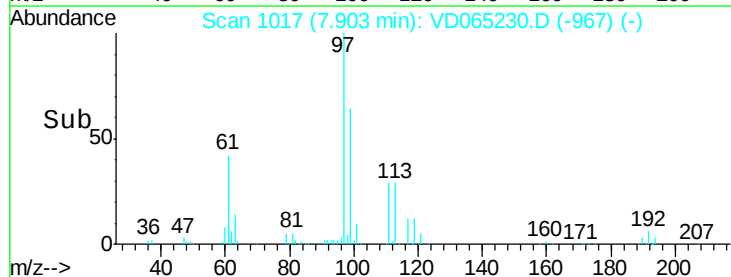
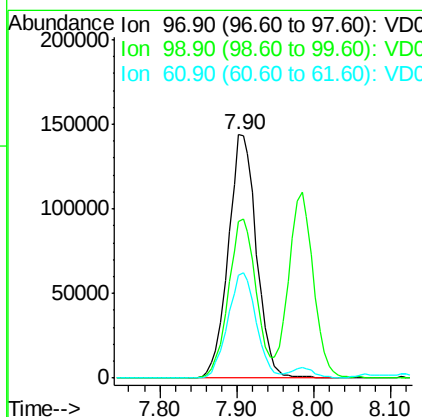
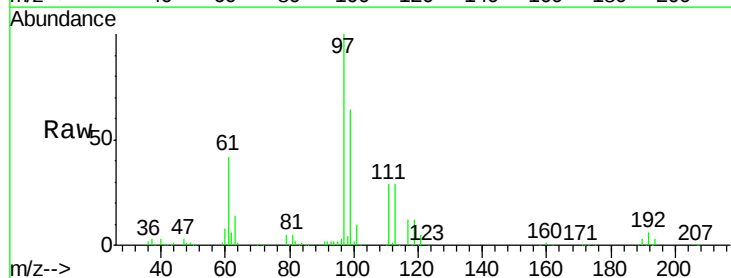
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#32
1,1,1-Trichloroethane
Concen: 48.490 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065230.D
Acq: 18 Feb 2020 20:36

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.3	51.4	77.2
61	43.7	34.8	52.2





#33

1,2-Dichloroethane-d4

Concen: 47.723 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065230.D

Acq: 18 Feb 2020 20:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 200402

Ion Ratio Lower Upper

65 100

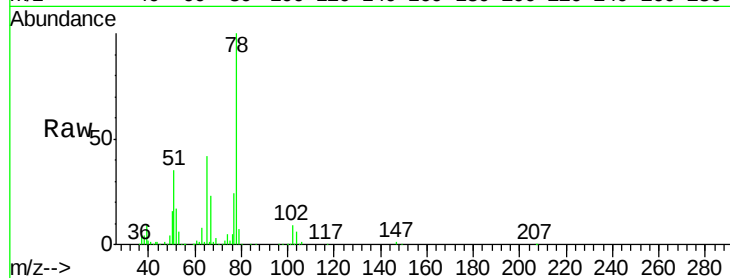
67 53.5 0.0 106.8

Manual Integrations

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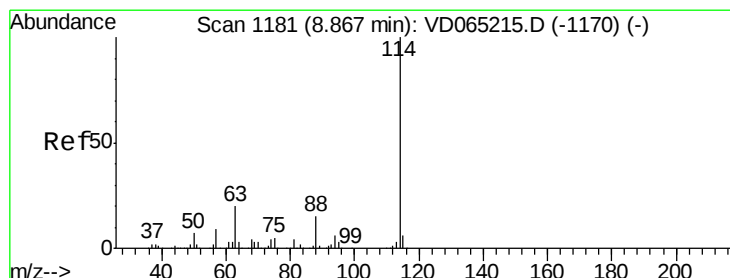
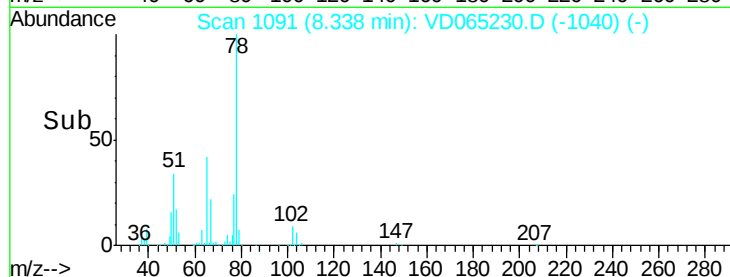
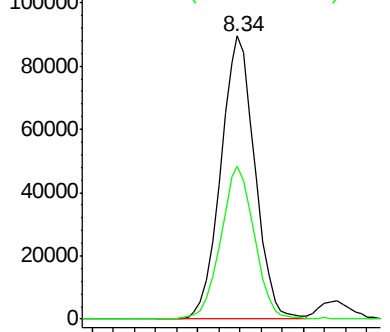
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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1182

Delta R.T. 0.01 min

Lab File: VD065230.D

Acq: 18 Feb 2020 20:36

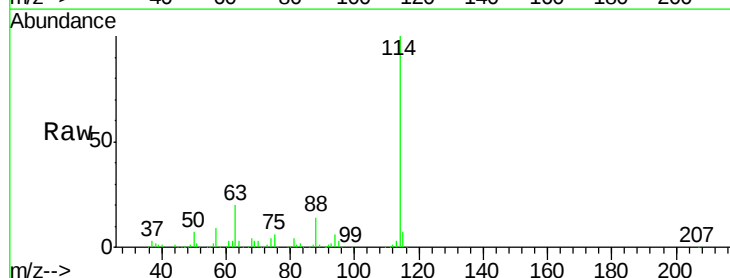
Tgt Ion: 114 Resp: 709535

Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.4

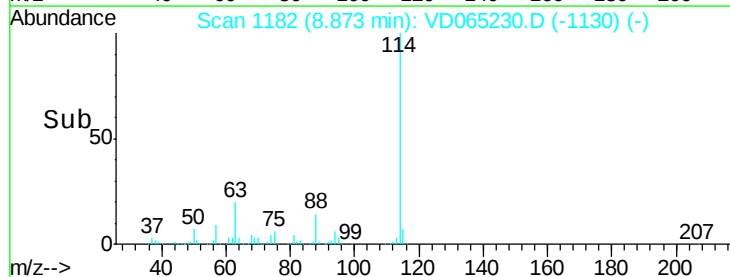
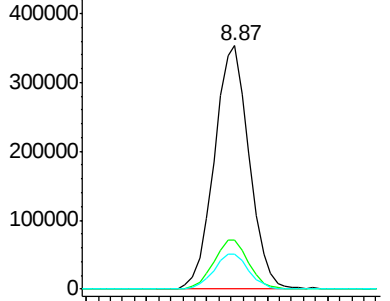
88 14.4 0.0 30.4

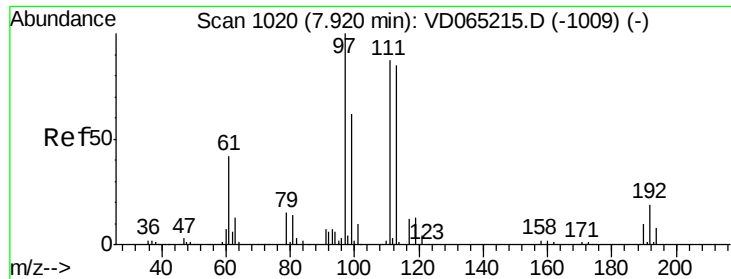


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





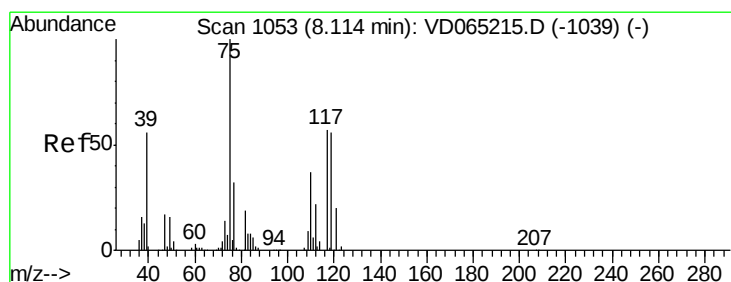
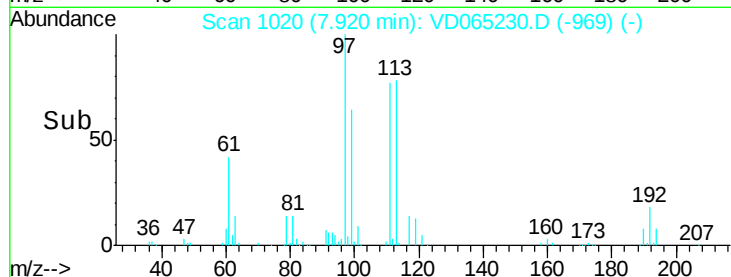
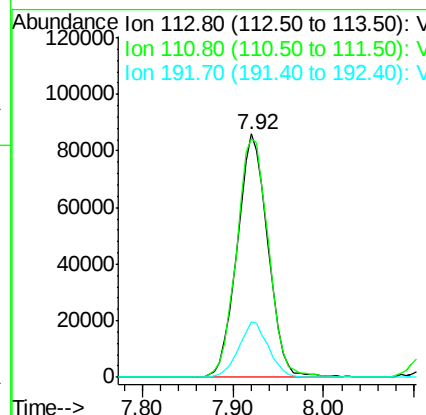
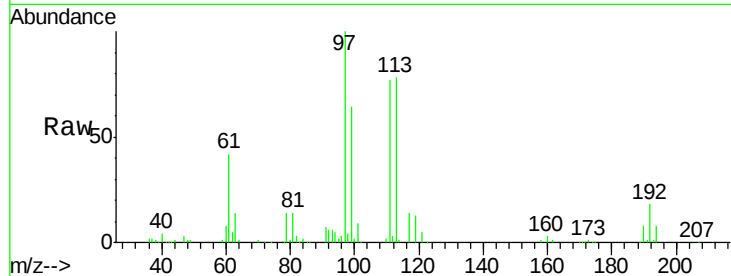
#35
 Dibromofluoromethane
 Concen: 46.869 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065230.D
 Acq: 18 Feb 2020 20:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	202772		
111	101.9	82.9	124.3	
192	22.0	17.3	25.9	

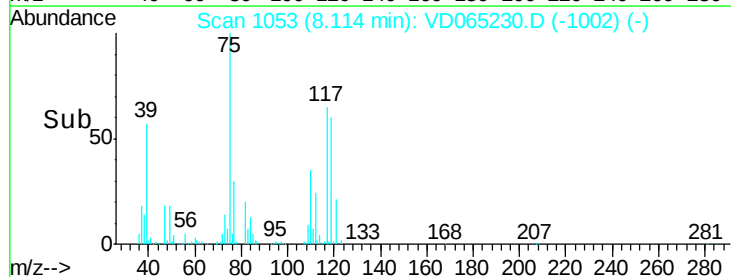
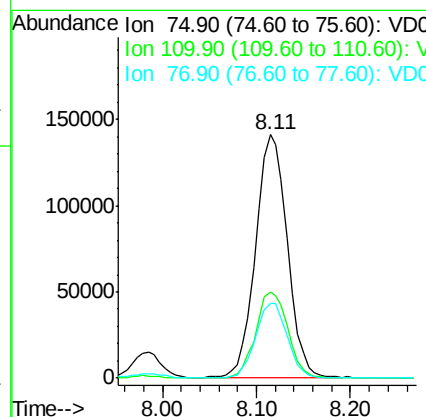
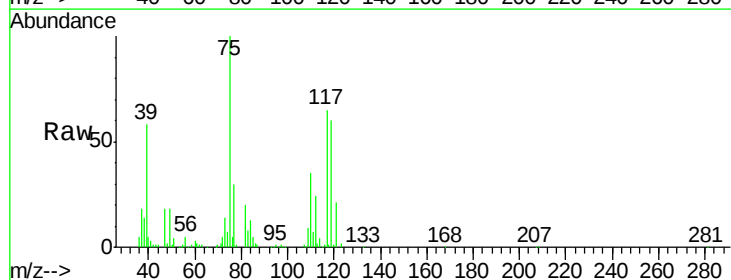
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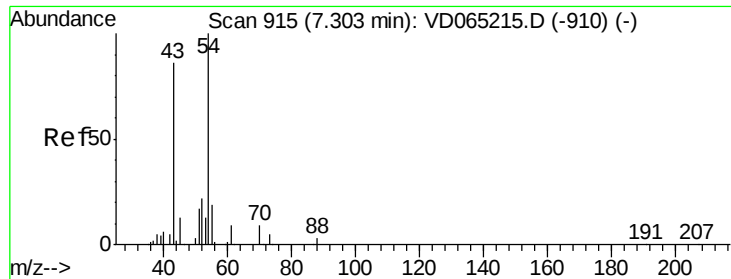
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#36
 1,1-Dichloropropene
 Concen: 47.596 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065230.D
 Acq: 18 Feb 2020 20:36

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	328595		
110	36.1	17.9	53.7	
77	31.3	25.1	37.7	





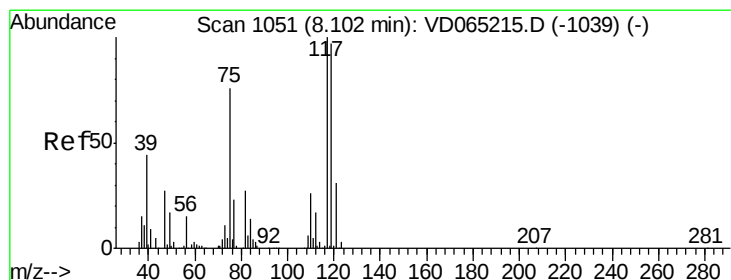
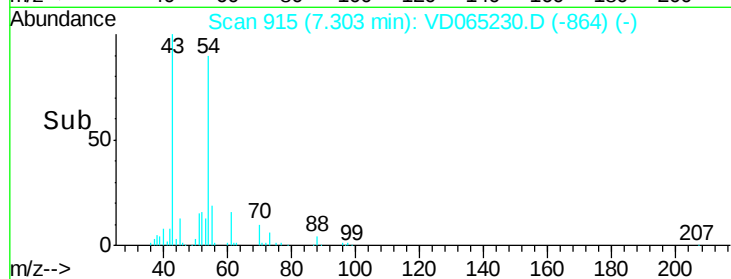
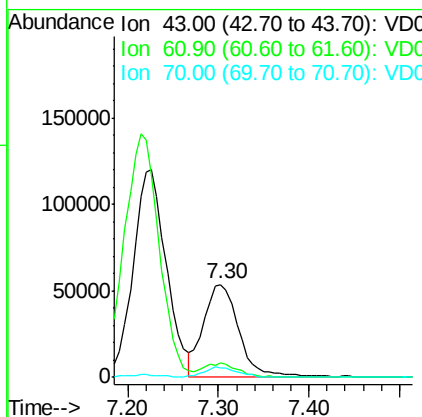
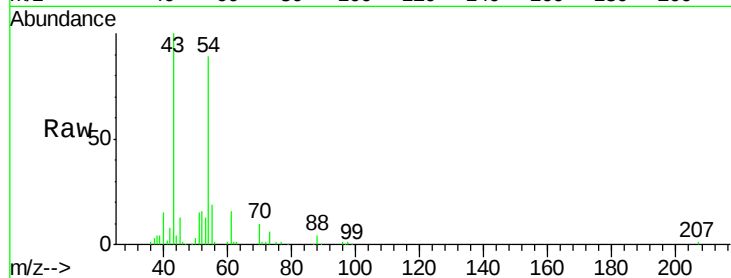
#37
Ethyl Acetate
Concen: 49.532 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD065230.D
Acq: 18 Feb 2020 20:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.2	16.8
70	10.3	8.2	12.2

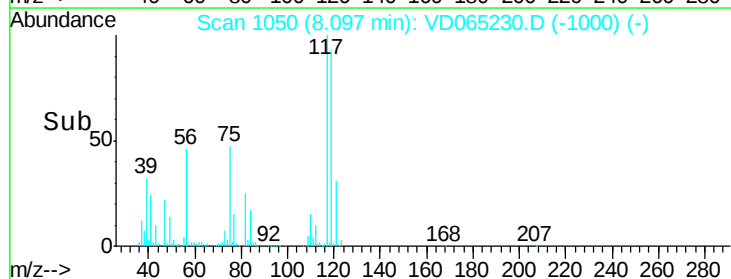
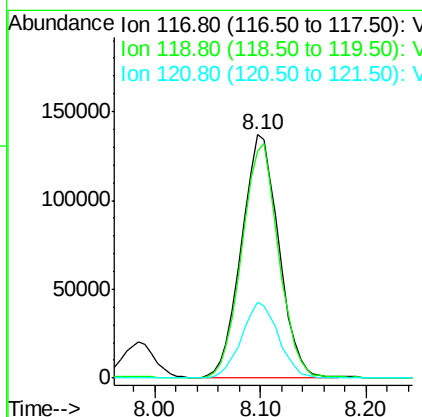
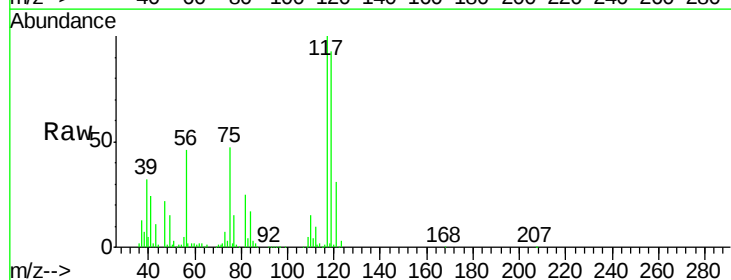
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#38
Carbon Tetrachloride
Concen: 47.599 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065230.D
Acq: 18 Feb 2020 20:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.6	77.6	116.4
121	31.5	24.8	37.2





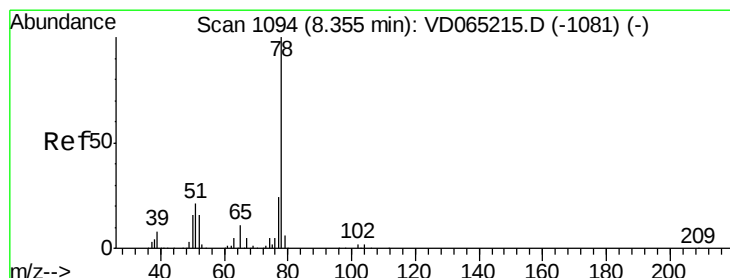
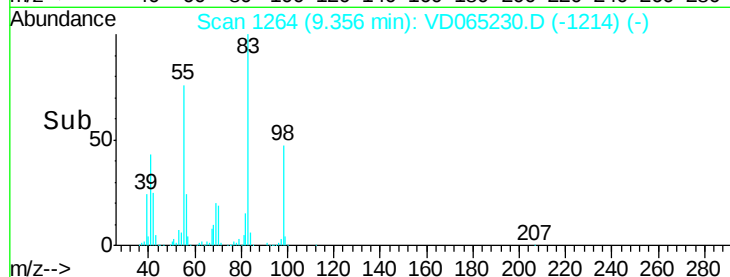
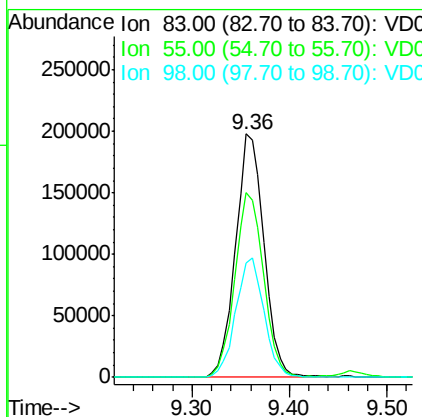
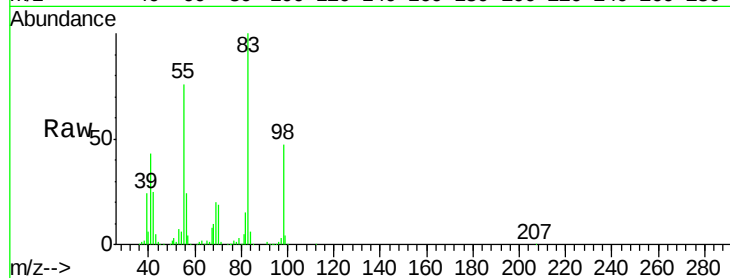
#39
Methylvlcyclohexane
Concen: 49.557 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065230.D
Acq: 18 Feb 2020 20:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.8	61.8	92.6
98	47.0	39.4	59.0

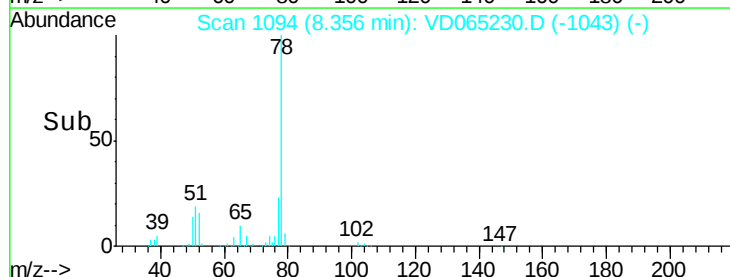
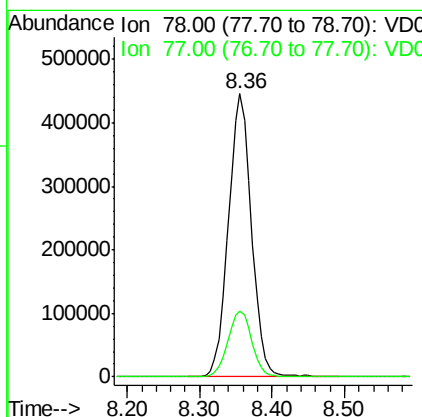
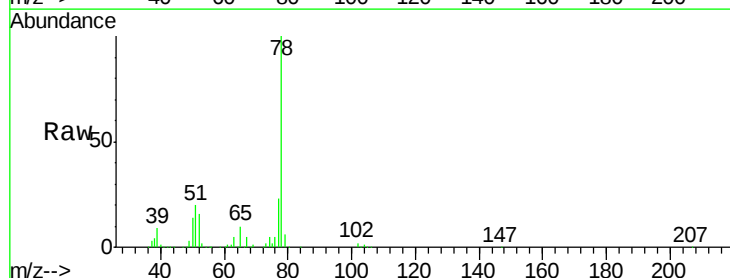
Manual Integrations
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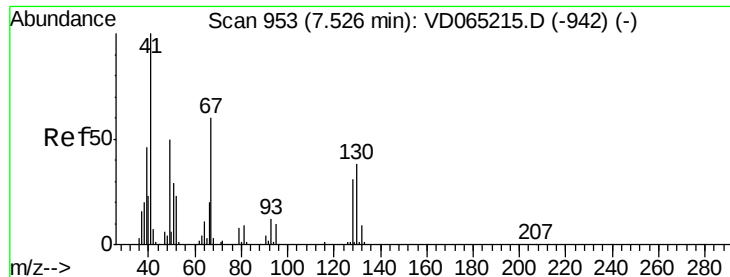
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#40
Benzene
Concen: 50.447 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065230.D
Acq: 18 Feb 2020 20:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.0	28.6





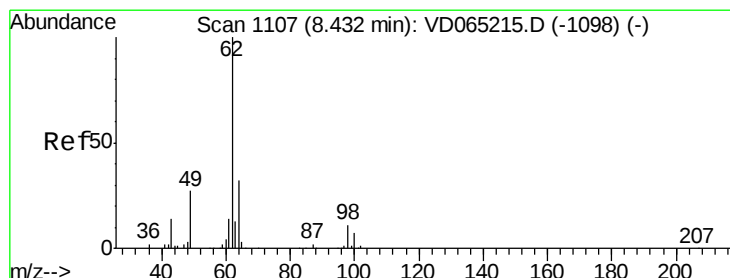
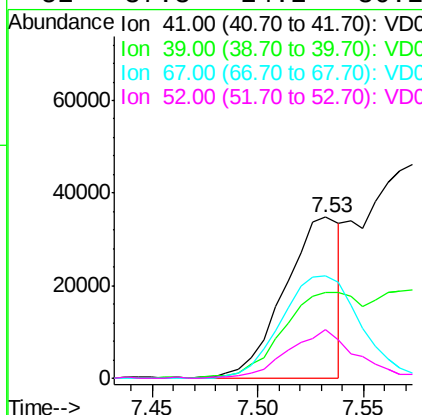
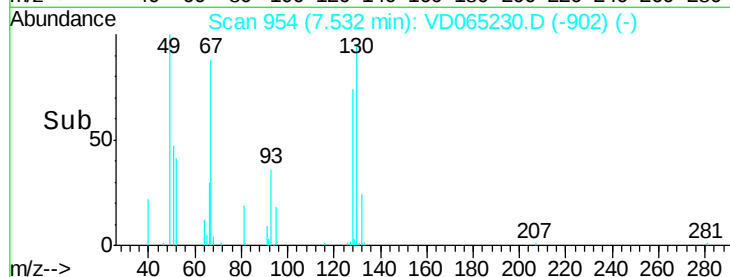
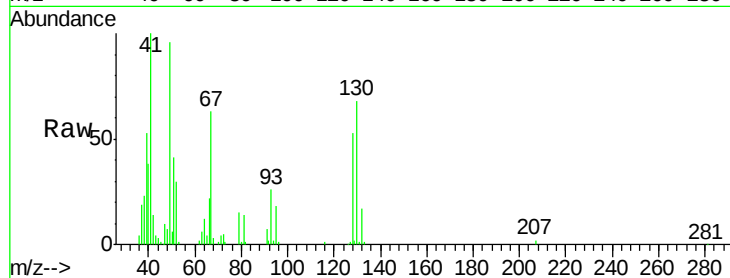
#41
Methacrylonitrile
Concen: 38.482 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD065230.D
Acq: 18 Feb 2020 20:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	64128
Ion	Ratio	Lower	Upper
41	100		
39	73.7	48.1	72.1#
67	90.2	58.9	88.3#
52	37.3	24.2	36.2#

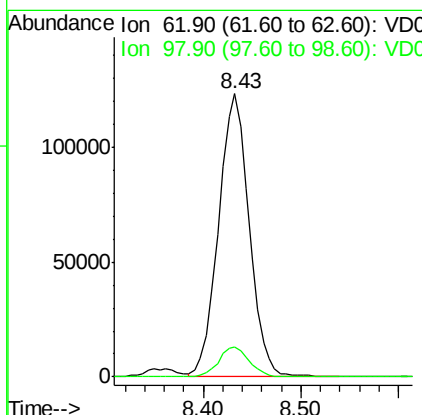
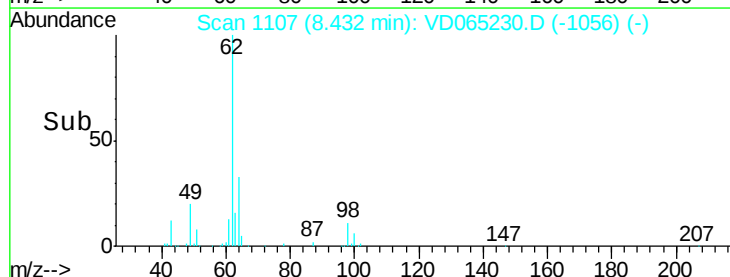
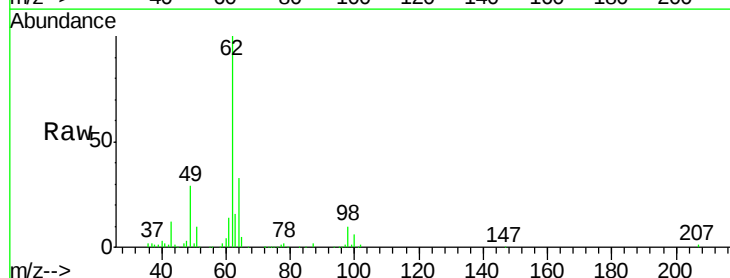
Manual Integrations
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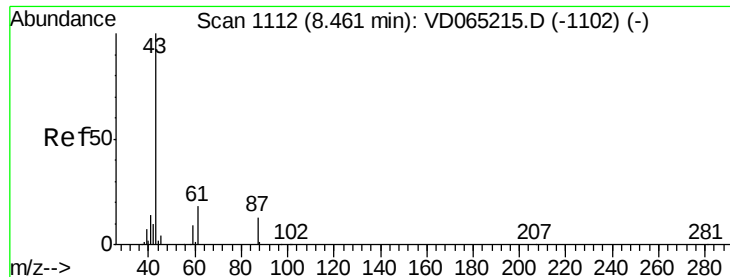
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#42
1,2-Dichloroethane
Concen: 49.796 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD065230.D
Acq: 18 Feb 2020 20:36

Tgt Ion:	62	Resp:	266767
Ion	Ratio	Lower	Upper
62	100		
98	10.7	0.0	20.6





#43

Isopropyl Acetate

Concen: 50.787 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD065230.D

Acq: 18 Feb 2020 20:36

Instrument :

MSVOA_D

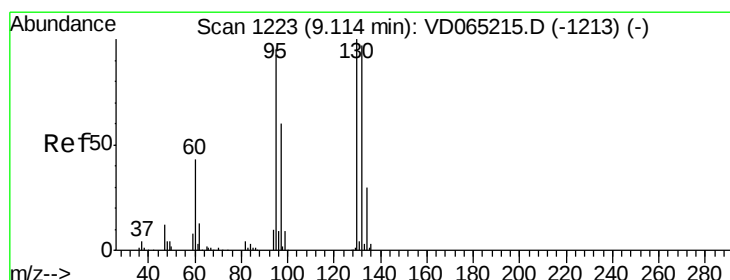
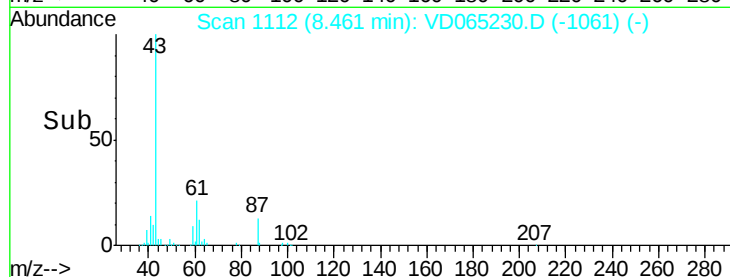
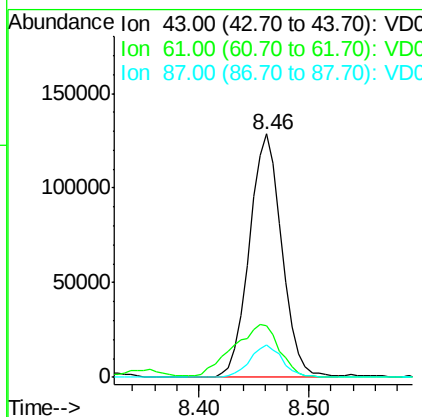
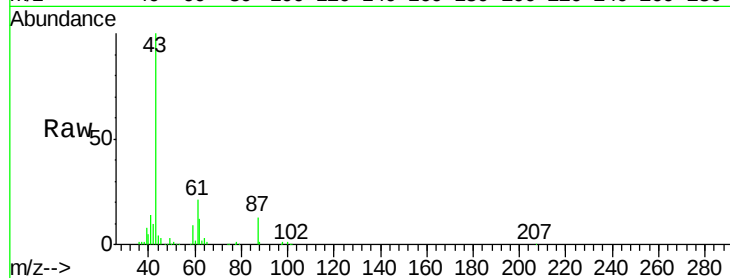
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	266546
Ion	Ratio	Lower	Upper
43	100		
61	31.2	24.6	36.8
87	13.3	10.6	16.0

Manual Integrations
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#44

Trichloroethene

Concen: 47.908 ug/l

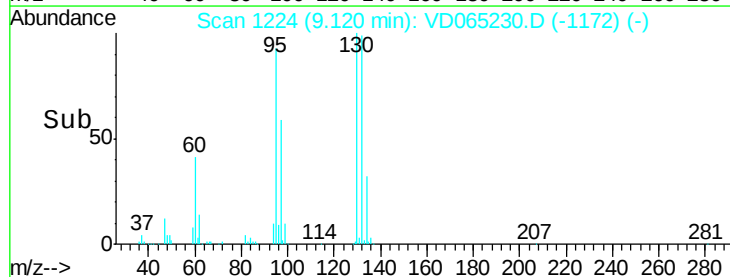
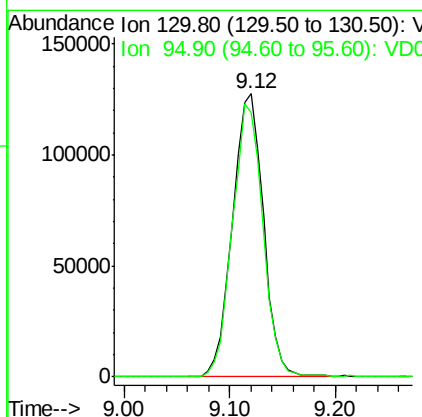
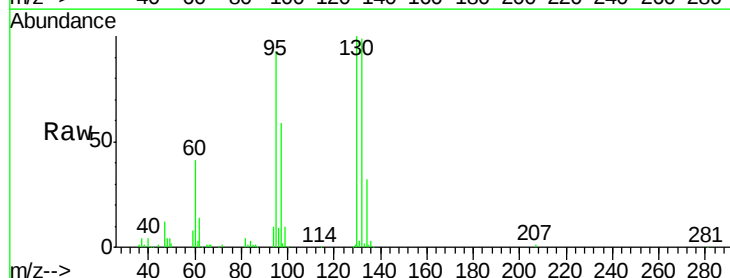
RT: 9.12 min Scan# 1224

Delta R.T. 0.01 min

Lab File: VD065230.D

Acq: 18 Feb 2020 20:36

Tgt Ion:	130	Resp:	258779
Ion	Ratio	Lower	Upper
130	100		
95	93.4	0.0	190.6





#45

1,2-Dichloropropane

Concen: 50.702 ug/l

RT: 9.40 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VD065230.D

Acq: 18 Feb 2020 20:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 245677

Ion Ratio Lower Upper

63 100

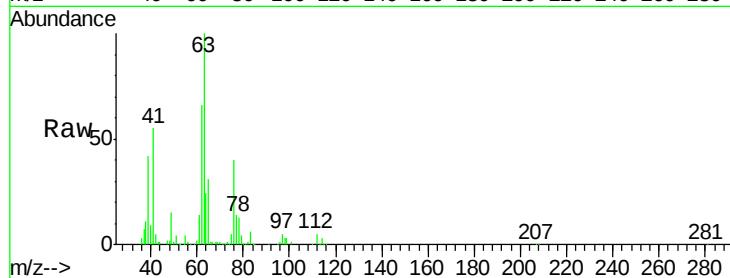
65 31.0 24.9 37.3

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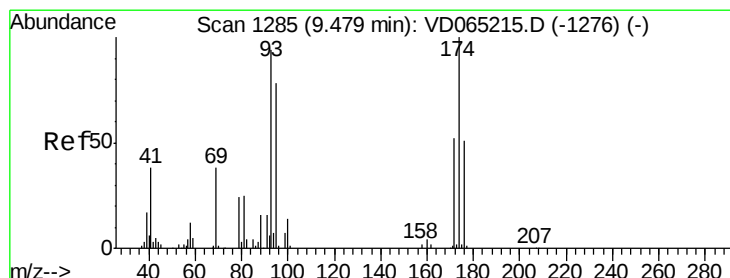
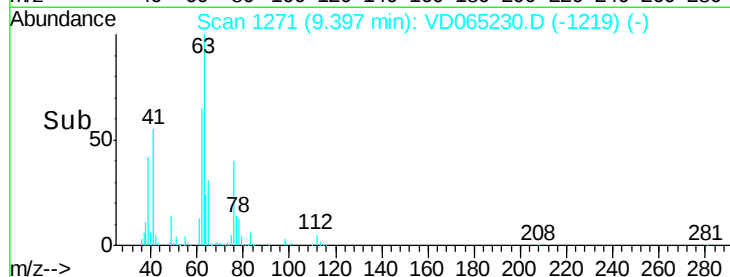
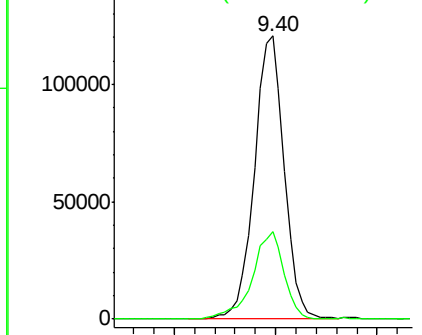
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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 50.341 ug/l

RT: 9.48 min Scan# 1286

Delta R.T. 0.01 min

Lab File: VD065230.D

Acq: 18 Feb 2020 20:36

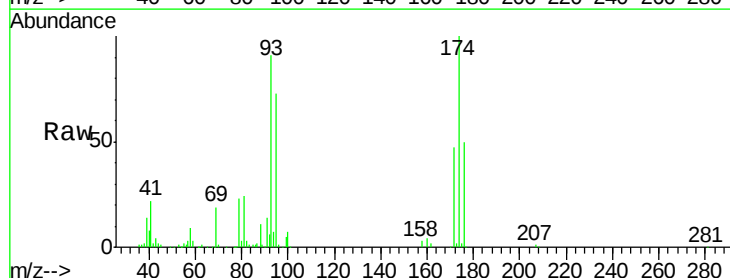
Tgt Ion: 93 Resp: 125505

Ion Ratio Lower Upper

93 100

95 83.8 65.8 98.6

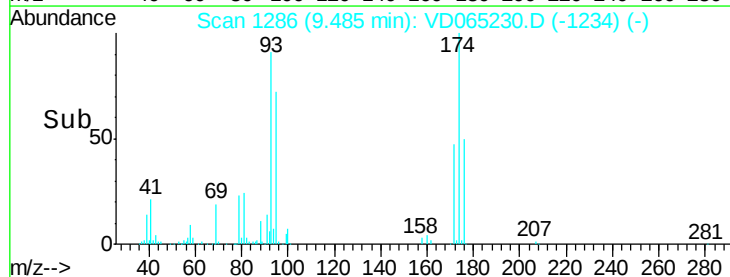
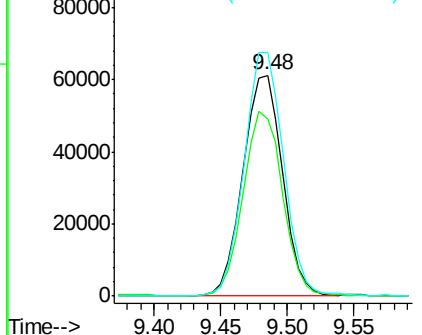
174 110.0 86.8 130.2

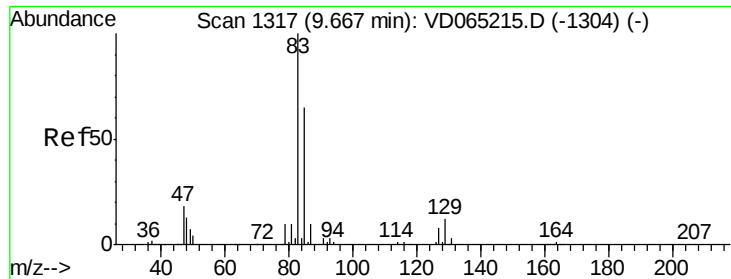


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 50.199 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065230.D

Acq: 18 Feb 2020 20:36

Instrument :

MSVOA_D

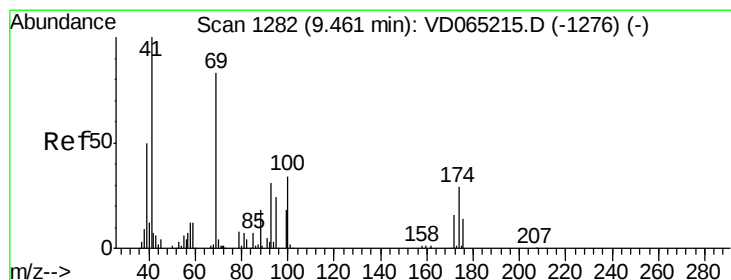
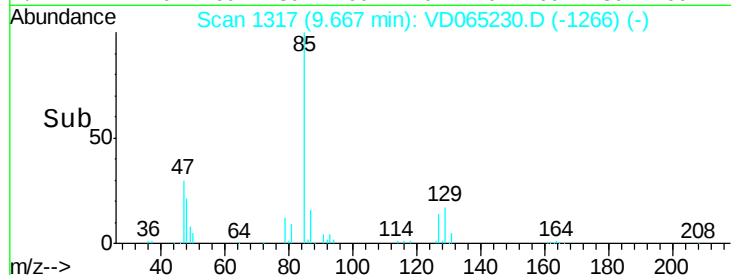
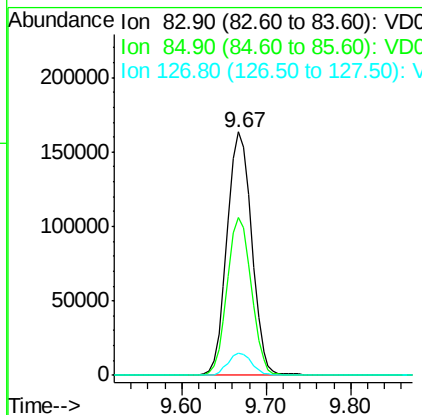
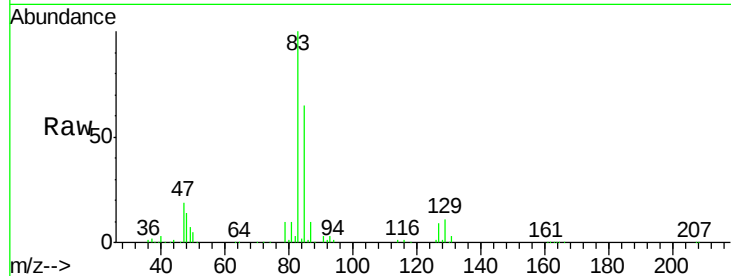
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	329821
Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.0	78.0
127	9.2	6.7	10.1

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#48

Methyl methacrylate

Concen: 52.358 ug/l

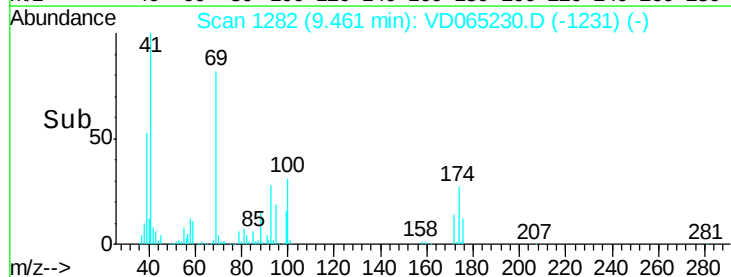
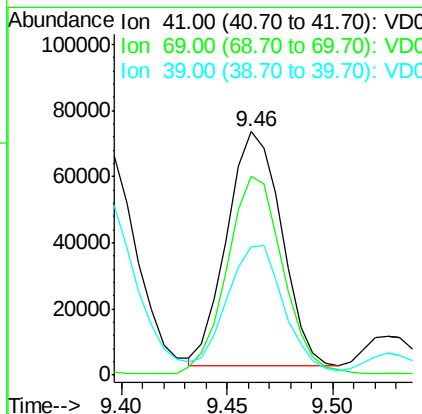
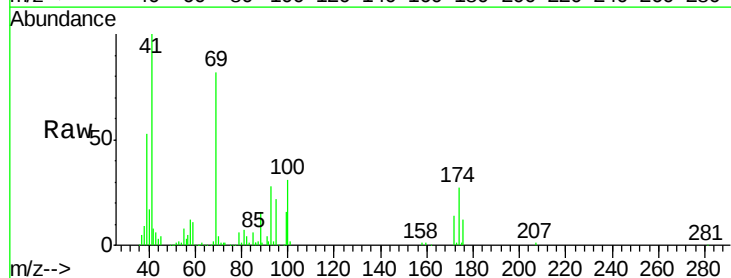
RT: 9.46 min Scan# 1282

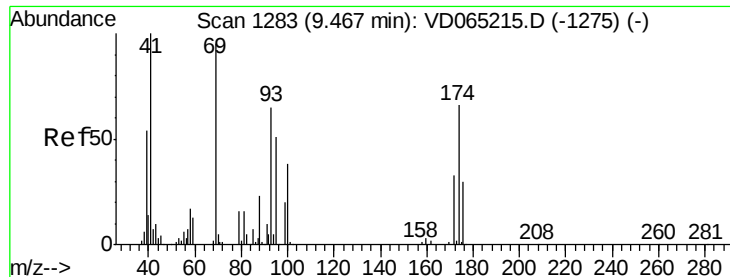
Delta R.T. 0.00 min

Lab File: VD065230.D

Acq: 18 Feb 2020 20:36

Tgt Ion:	41	Resp:	127017
Ion	Ratio	Lower	Upper
41	100		
69	88.7	68.2	102.2
39	58.4	42.0	63.0





#49

1,4-Dioxane

Concen: 993.451 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.01 min

Lab File: VD065230.D

Acq: 18 Feb 2020 20:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 88 Resp: 29049

Ion Ratio Lower Upper

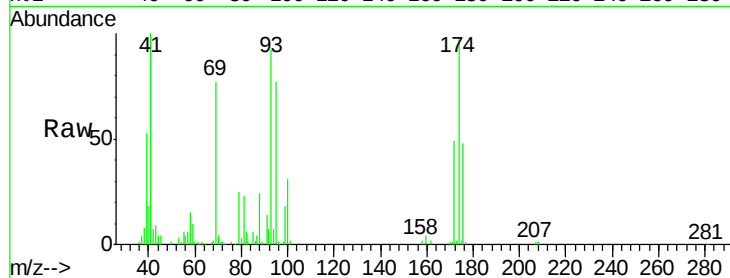
88 100

43 38.3 28.5 42.7

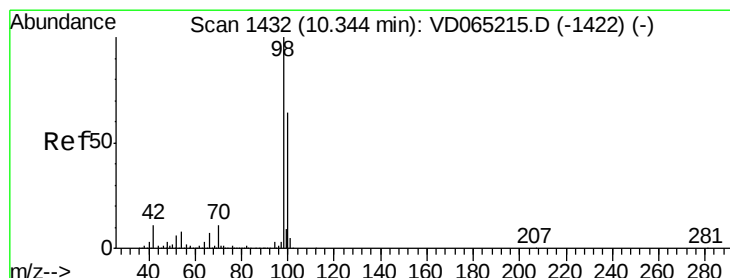
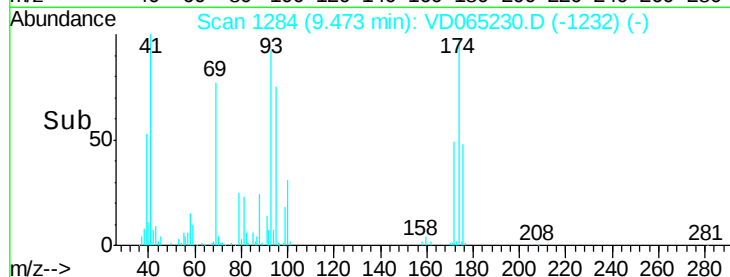
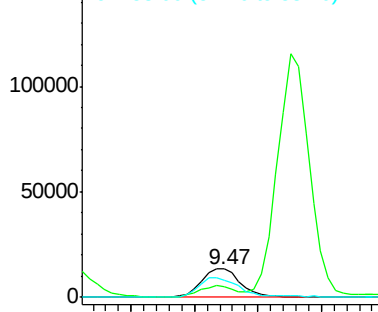
58 71.1 58.6 87.8

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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: 47.358 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD065230.D

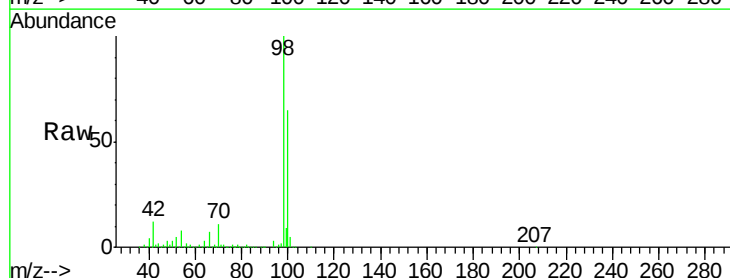
Acq: 18 Feb 2020 20:36

Tgt Ion: 98 Resp: 783253

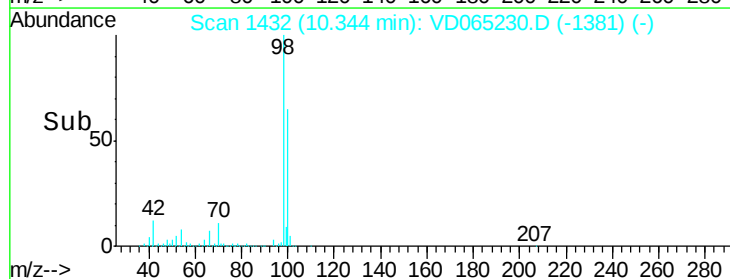
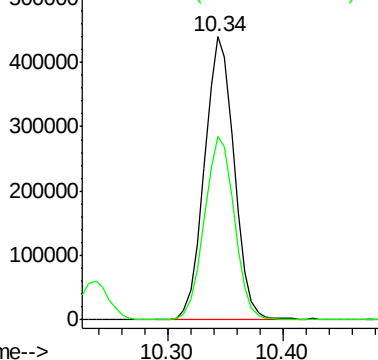
Ion Ratio Lower Upper

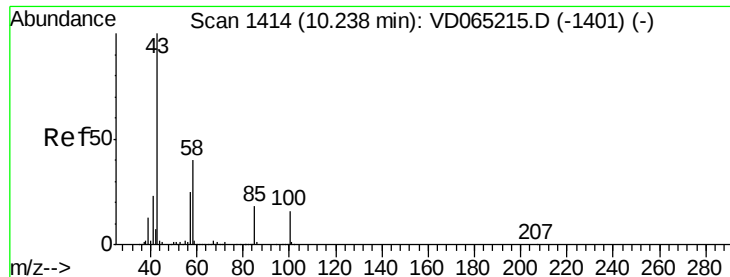
98 100

100 65.3 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: 259.817 ug/l

RT: 10.24 min Scan# 1414

Delta R.T. 0.00 min

Lab File: VD065230.D

Acq: 18 Feb 2020 20:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 692588

Ion Ratio Lower Upper

43 100

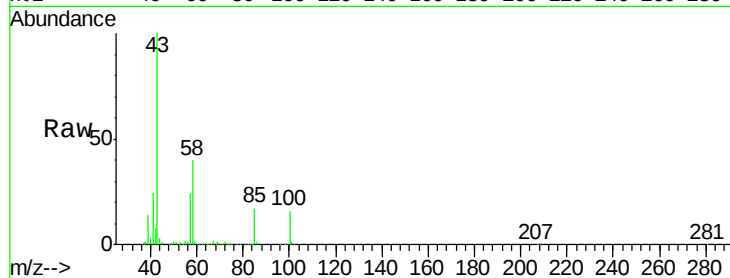
58 38.8 31.1 46.7

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.24

400000

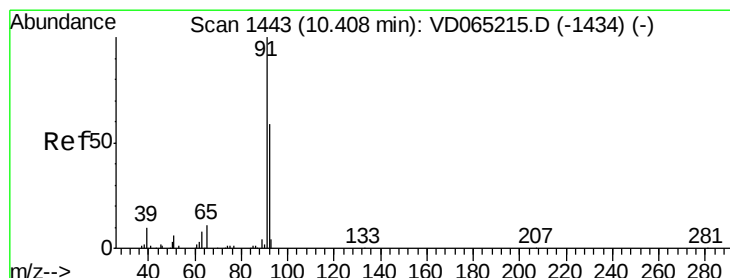
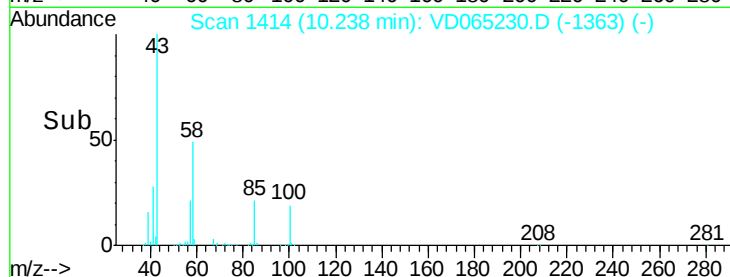
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 51.549 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD065230.D

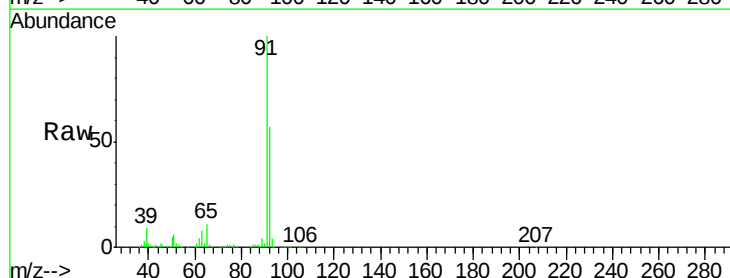
Acq: 18 Feb 2020 20:36

Tgt Ion: 92 Resp: 621781

Ion Ratio Lower Upper

92 100

91 173.2 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.41

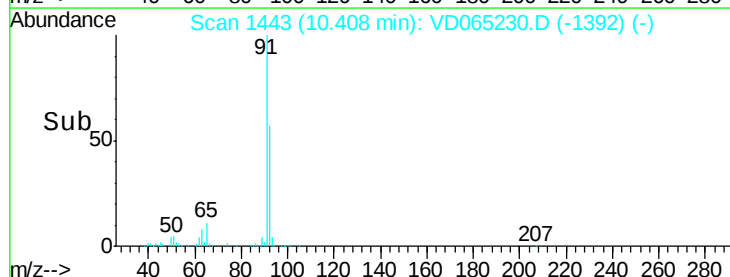
600000

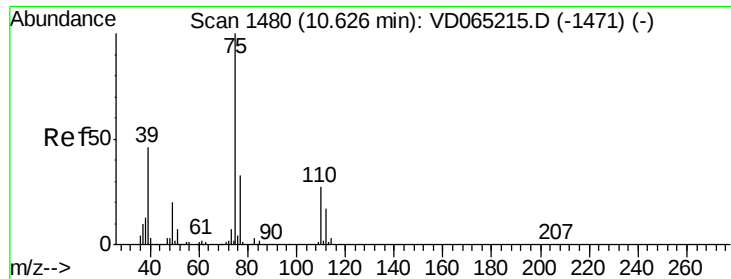
400000

200000

0

Time-->





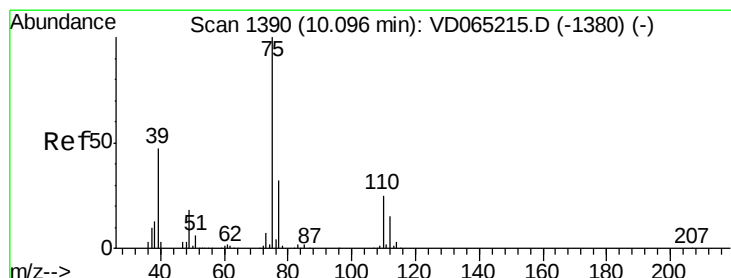
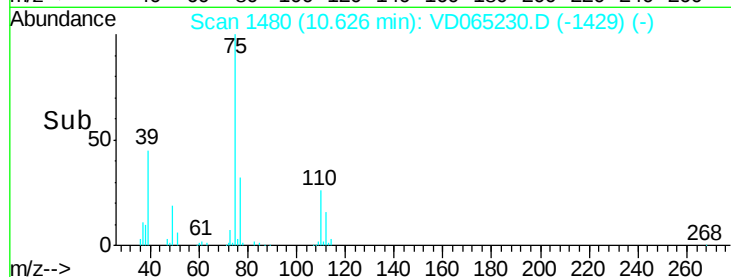
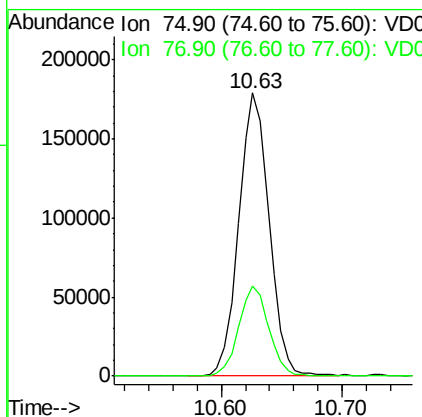
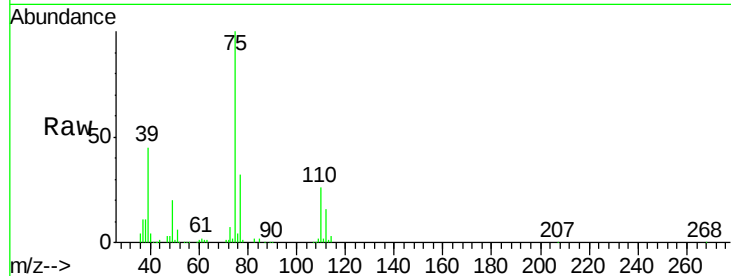
#53
t-1,3-Dichloropropene
Concen: 51.615 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD065230.D
Acq: 18 Feb 2020 20:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 314335
Ion Ratio Lower Upper
75 100
77 31.7 26.6 40.0

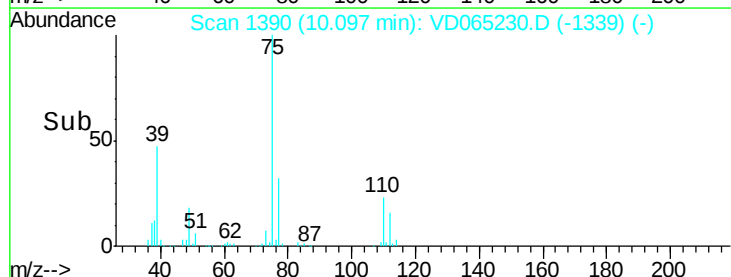
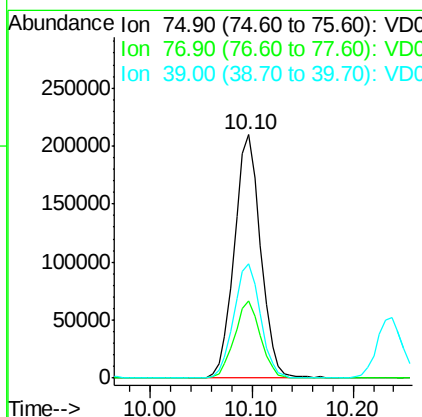
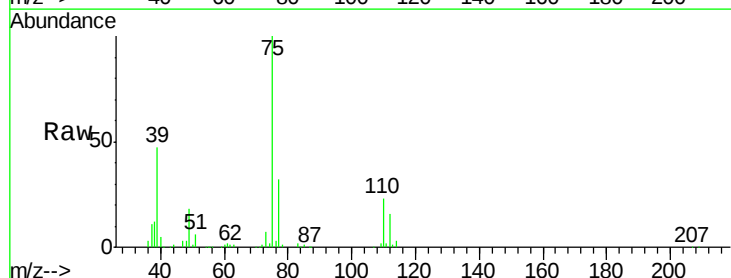
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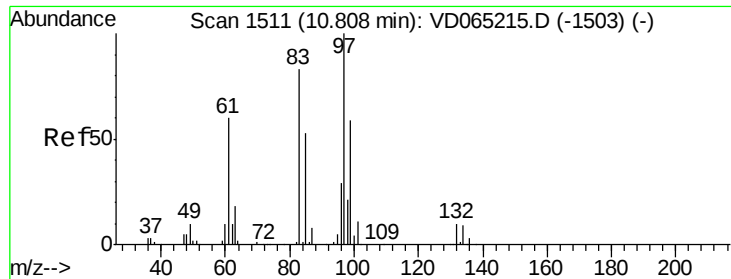
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#54
cis-1,3-Dichloropropene
Concen: 51.484 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VD065230.D
Acq: 18 Feb 2020 20:36

Tgt Ion: 75 Resp: 378614
Ion Ratio Lower Upper
75 100
77 31.7 25.8 38.8
39 46.6 37.3 55.9





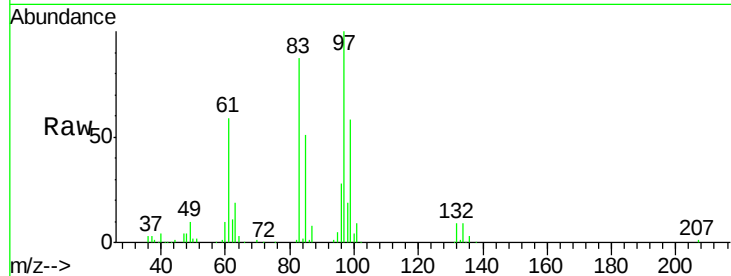
#55
 1,1,2-Trichloroethane
 Concen: 49.983 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.00 min
 Lab File: VD065230.D
 Acq: 18 Feb 2020 20:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

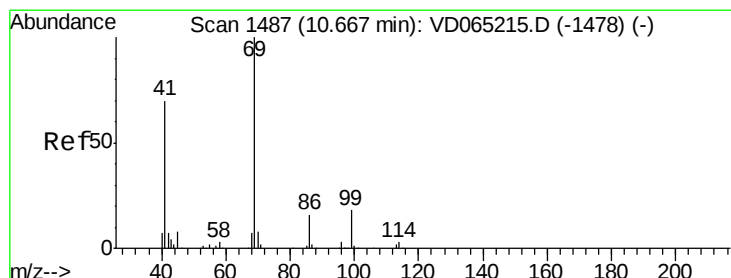
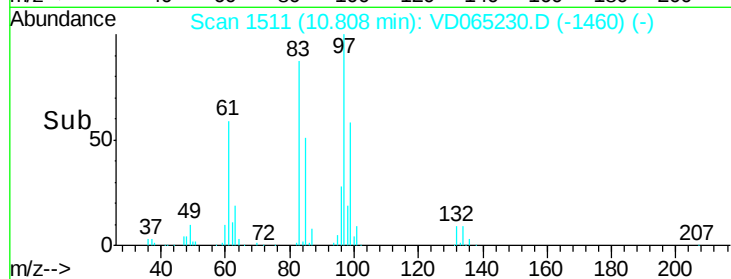
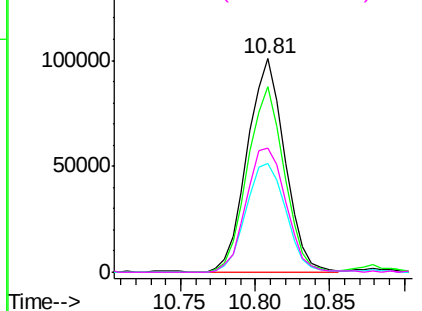
Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		175393		
83	87.1	66.7	100.1		
85	50.8	42.4	63.6		
99	58.4	47.5	71.3		

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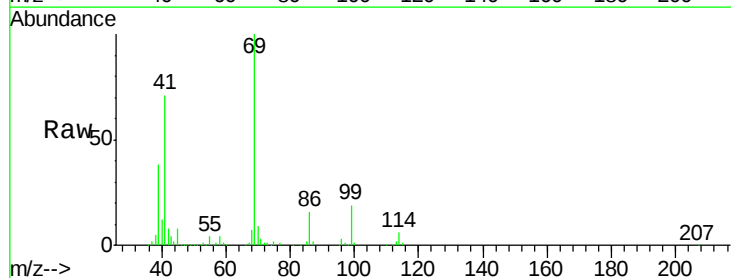


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

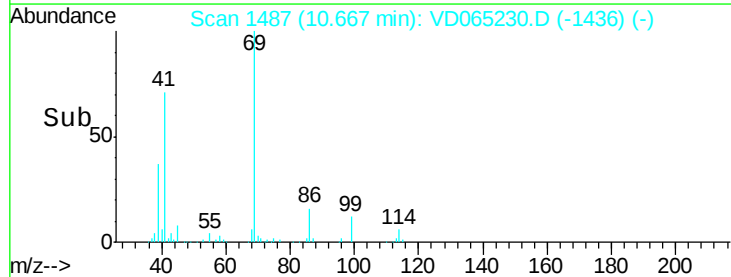
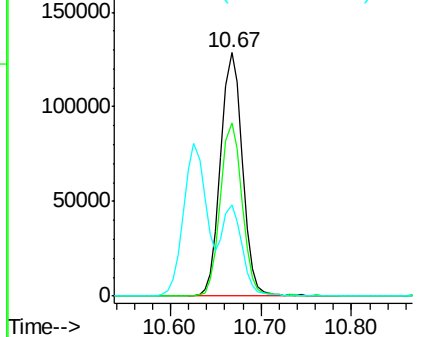


#56
 Ethyl methacrylate
 Concen: 53.450 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065230.D
 Acq: 18 Feb 2020 20:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		216486		
41	69.3	54.6	81.8		
39	35.2	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





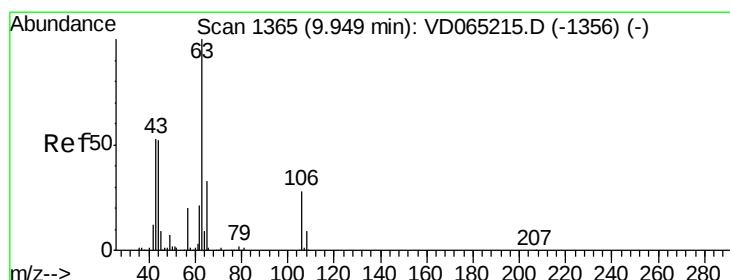
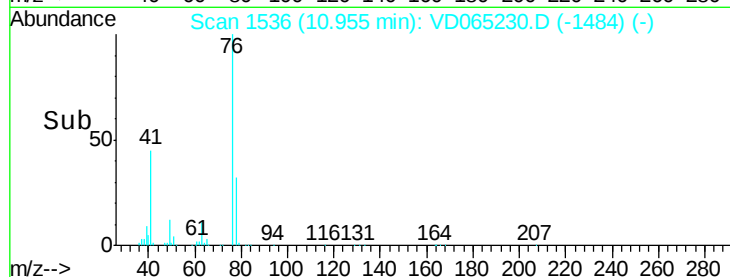
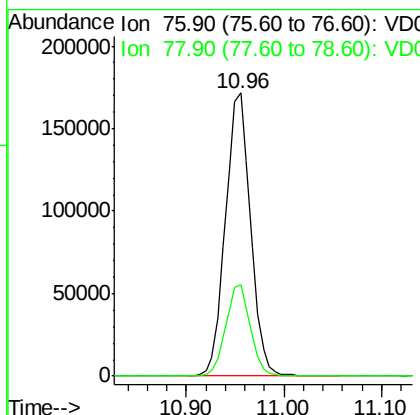
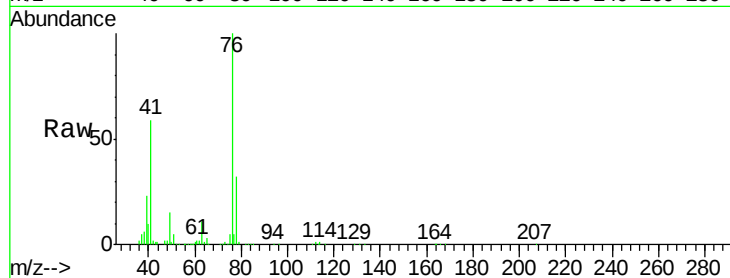
#57
 1,3-Dichloropropane
 Concen: 51.209 ug/l
 RT: 10.96 min Scan# 1536
 Delta R.T. 0.01 min
 Lab File: VD065230.D
 Acq: 18 Feb 2020 20:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.7	26.3	39.5

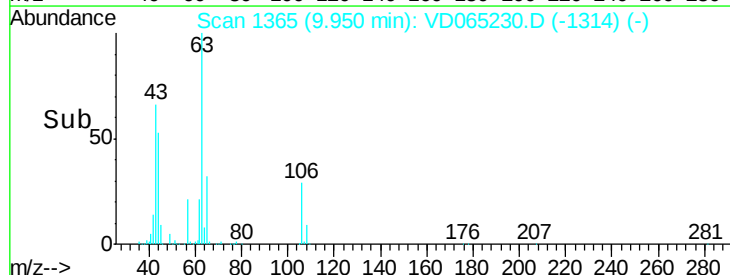
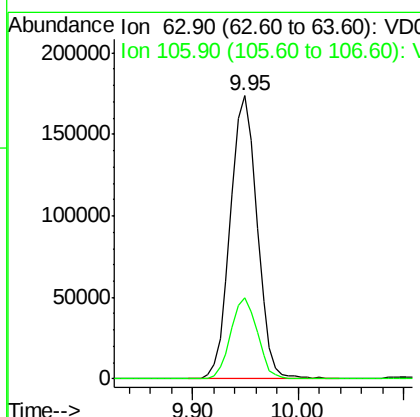
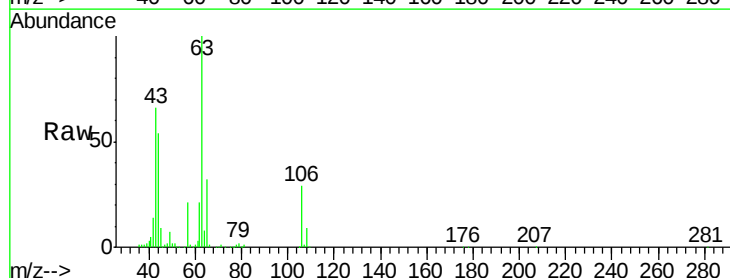
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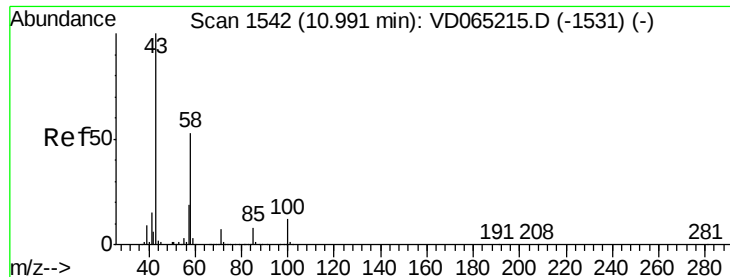
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#58
 2-Chloroethyl Vinyl ether
 Concen: 239.299 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VD065230.D
 Acq: 18 Feb 2020 20:36

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.4	22.8	34.2





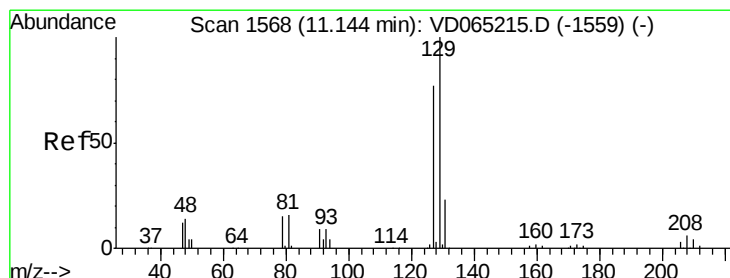
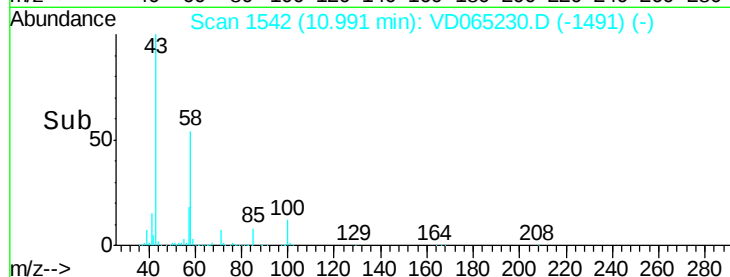
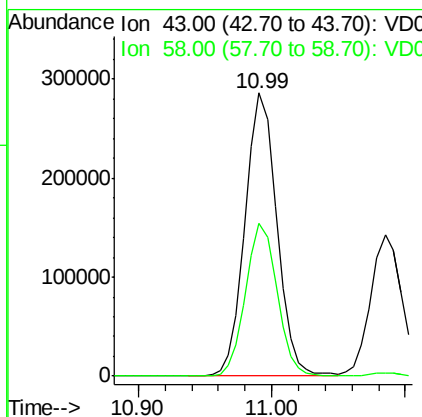
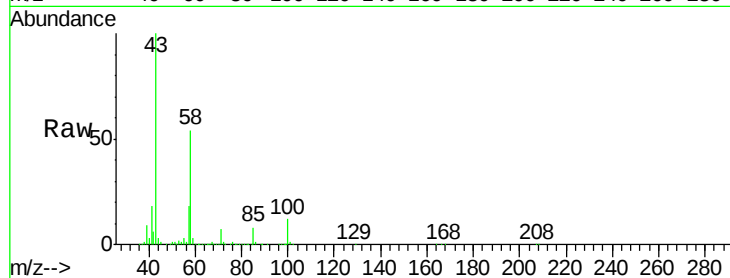
#59
2-Hexanone
Concen: 247.065 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065230.D
Acq: 18 Feb 2020 20:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 471450
Ion Ratio Lower Upper
43 100
58 53.6 26.3 78.8

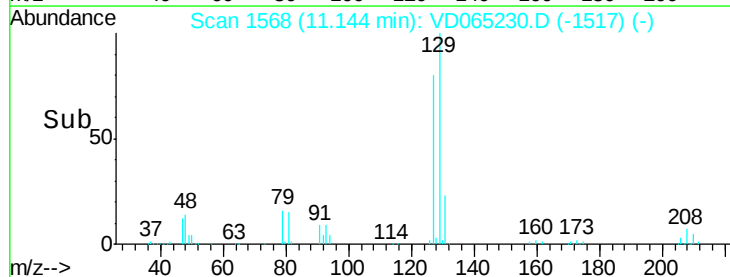
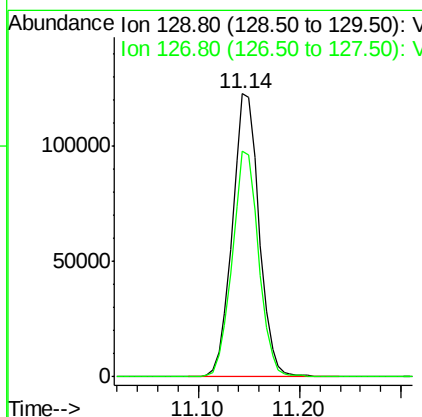
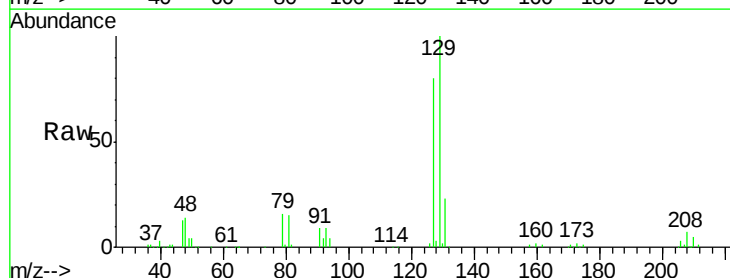
Manual Integrations
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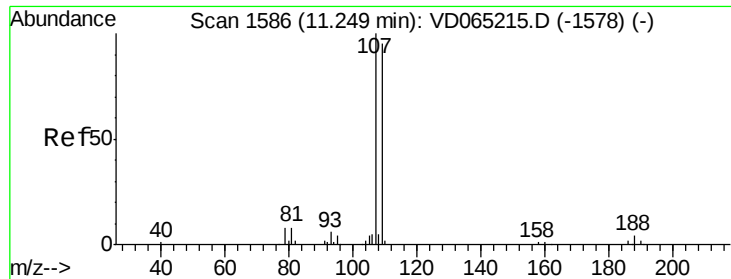
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#60
Dibromochloromethane
Concen: 50.226 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065230.D
Acq: 18 Feb 2020 20:36

Tgt Ion: 129 Resp: 225582
Ion Ratio Lower Upper
129 100
127 78.5 38.7 116.1





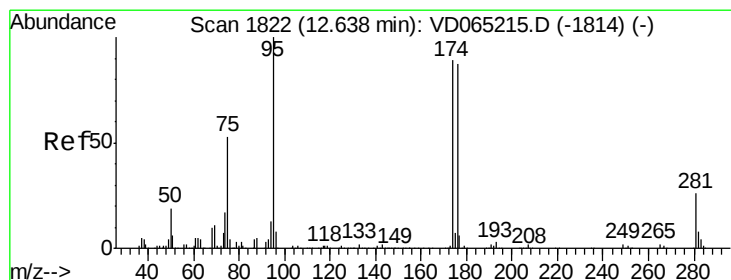
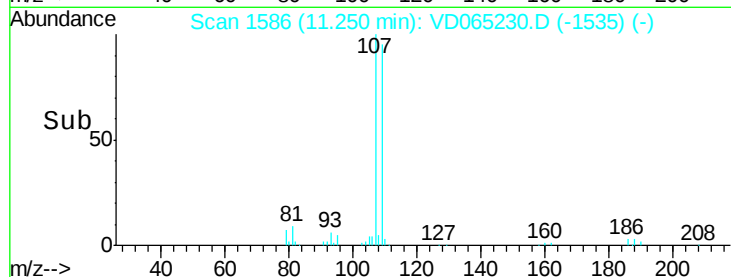
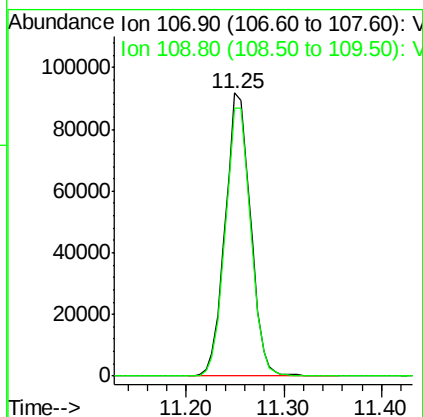
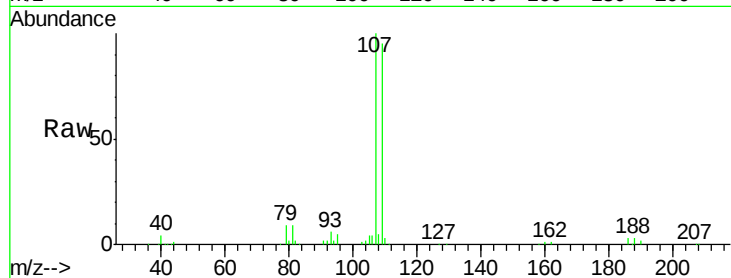
#61
 1,2-Dibromoethane
 Concen: 49.701 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065230.D
 Acq: 18 Feb 2020 20:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
107	100	165130		
109	95.7	76.2	114.4	

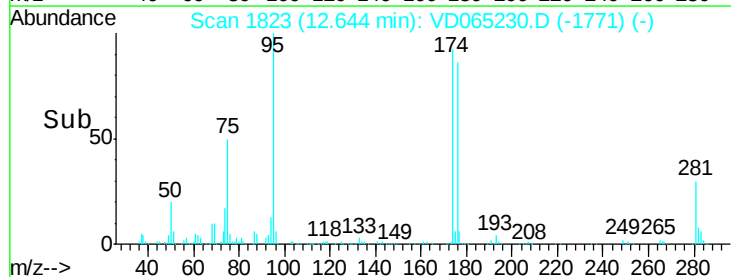
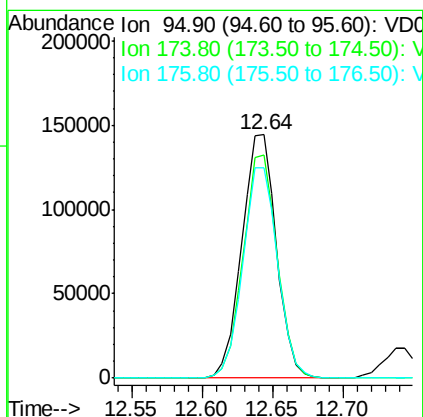
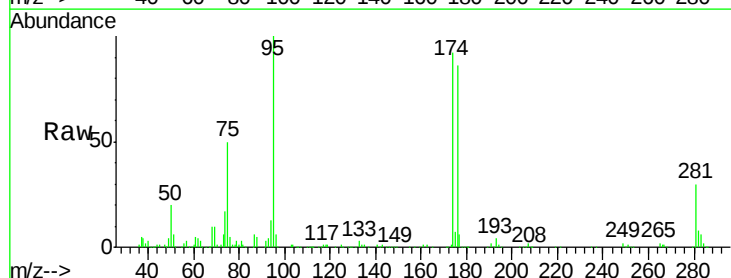
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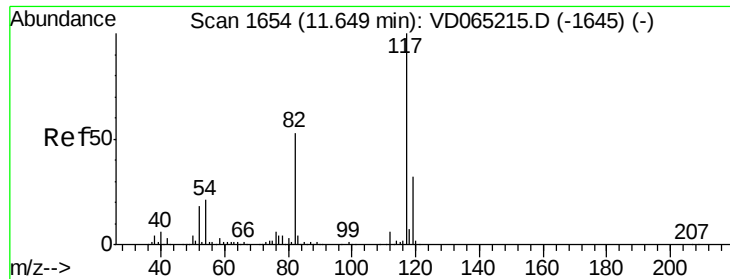
MMDadoda
 2/19/2020 1:43:46 PM



#62
 4-Bromofluorobenzene
 Concen: 47.239 ug/l
 RT: 12.64 min Scan# 1823
 Delta R.T. 0.01 min
 Lab File: VD065230.D
 Acq: 18 Feb 2020 20:36

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	247509		
174	90.5	0.0	178.0	
176	87.0	0.0	174.4	





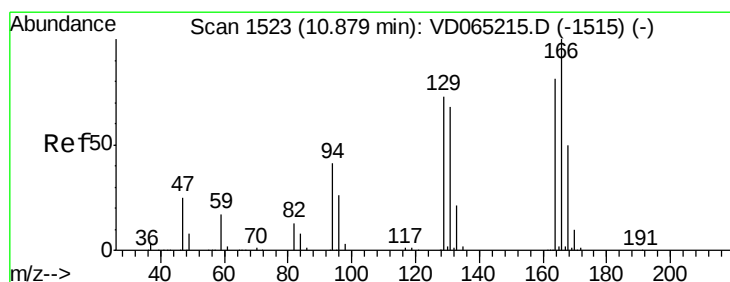
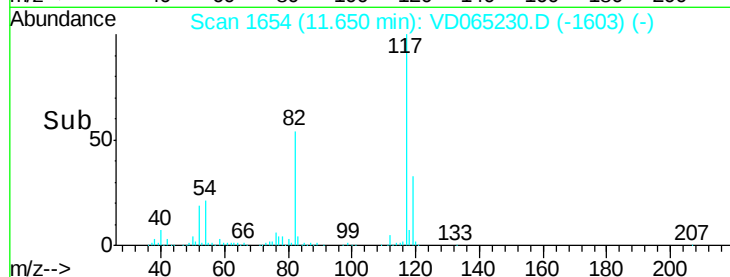
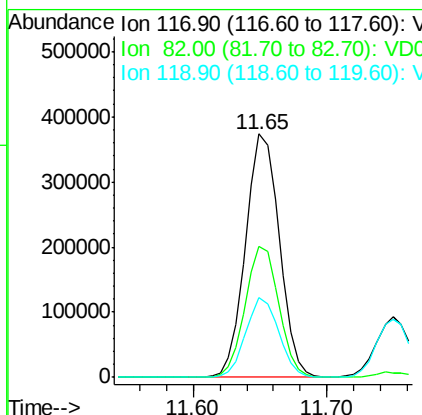
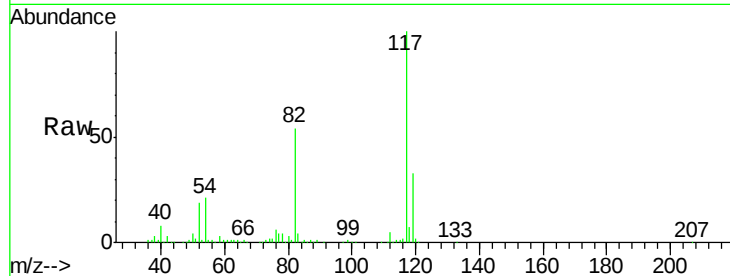
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065230.D
Acq: 18 Feb 2020 20:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.7	42.7	64.1
119	32.6	25.5	38.3

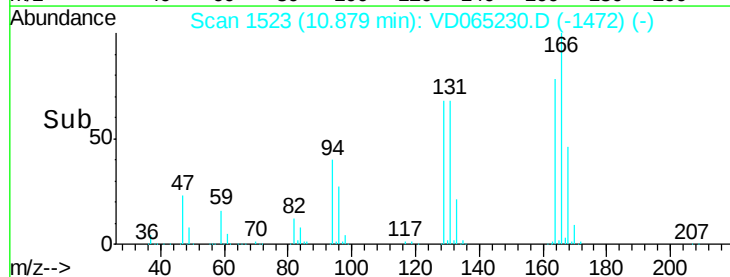
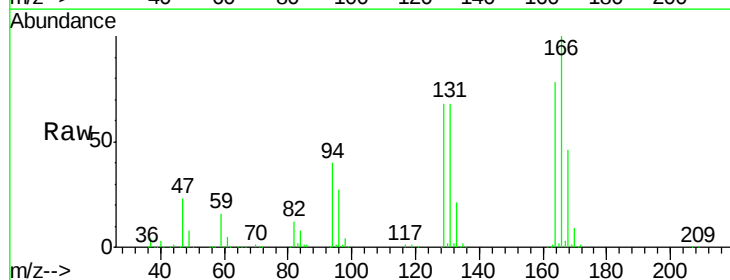
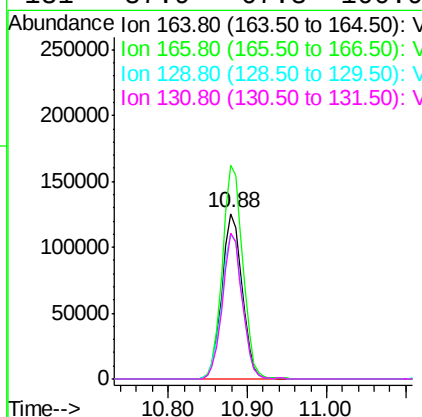
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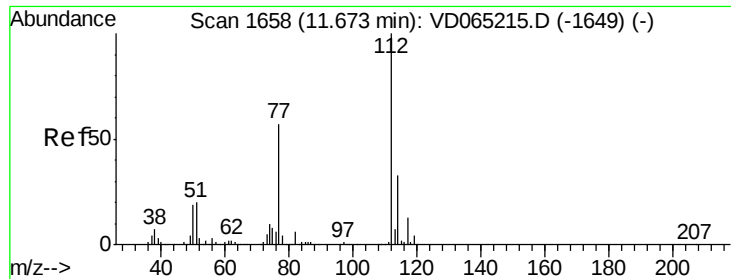
MMDadoda
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#64
Tetrachloroethene
Concen: 47.675 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065230.D
Acq: 18 Feb 2020 20:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.0	98.4	147.6
129	87.3	71.6	107.4
131	87.9	67.3	100.9





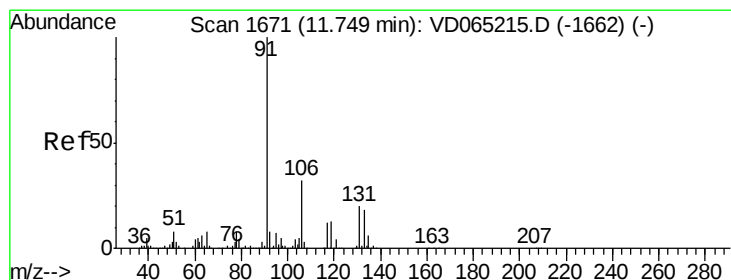
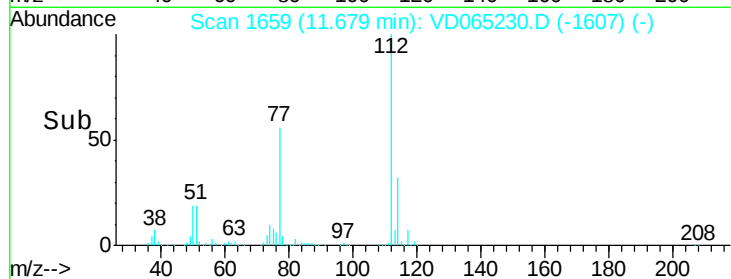
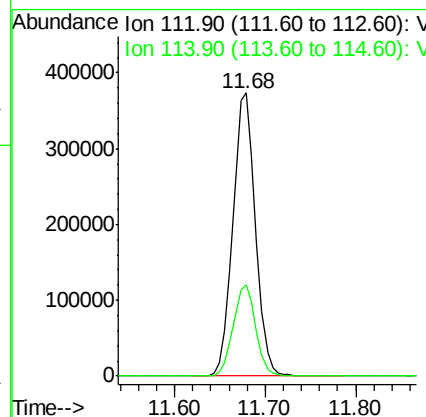
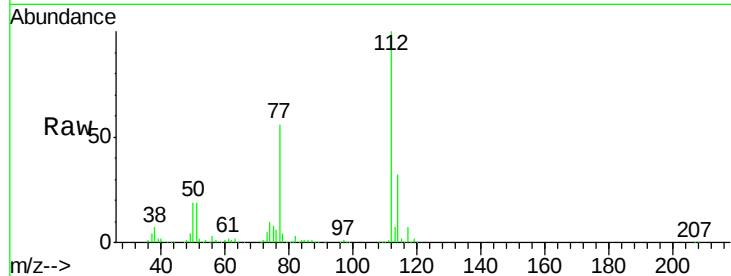
#65
Chlorobenzene
Concen: 49.122 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.01 min
Lab File: VD065230.D
Acq: 18 Feb 2020 20:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.3	26.4	39.6

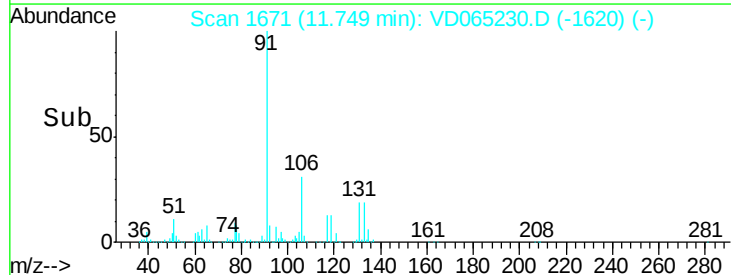
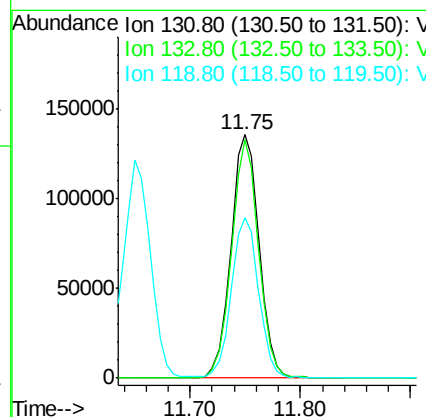
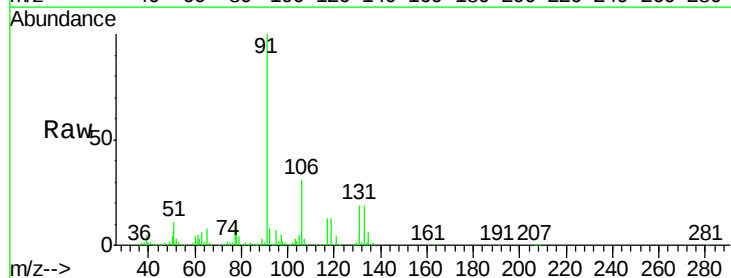
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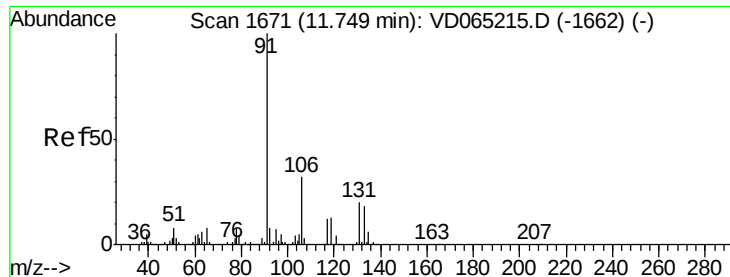
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.275 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065230.D
Acq: 18 Feb 2020 20:36

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.3	47.7	143.1
119	64.5	32.7	98.1





#67

Ethyl Benzene

Concen: 50.377 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065230.D

Acq: 18 Feb 2020 20:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1161192

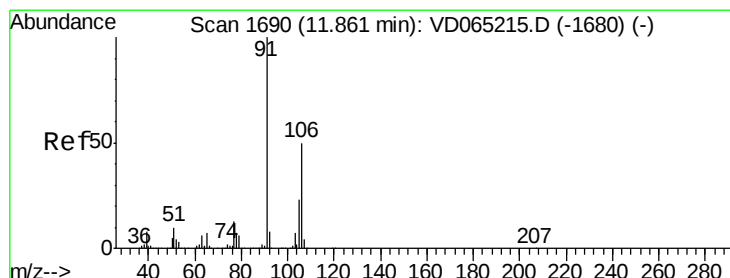
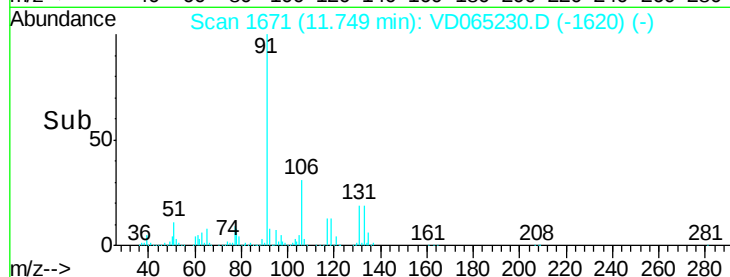
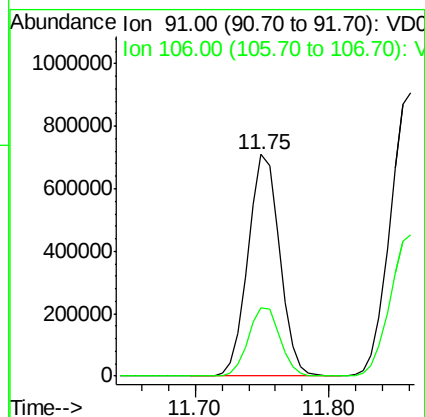
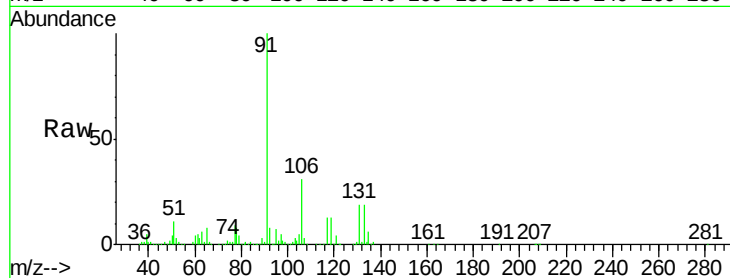
Ion Ratio Lower Upper

91 100

106 30.7 25.2 37.8

Manual Integrations
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#68

m/p-Xylenes

Concen: 100.572 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VD065230.D

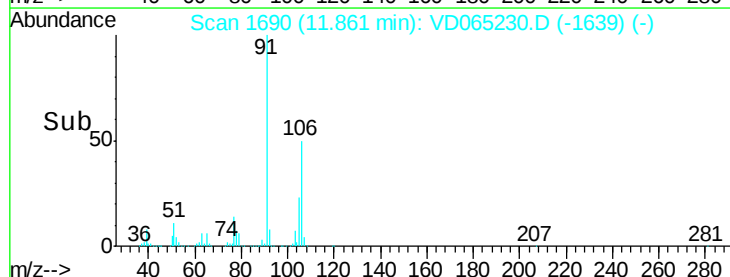
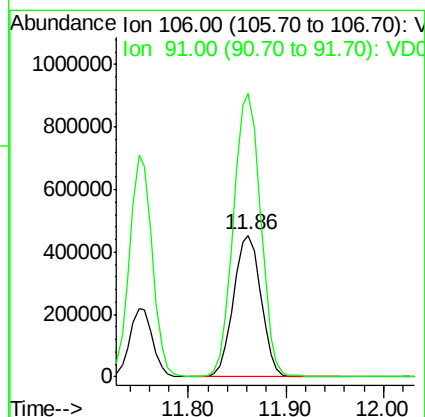
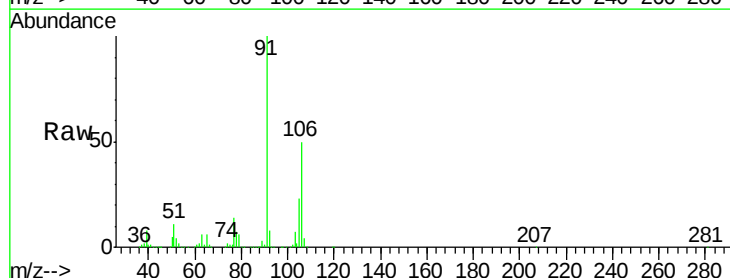
Acq: 18 Feb 2020 20:36

Tgt Ion: 106 Resp: 886919

Ion Ratio Lower Upper

106 100

91 198.9 158.2 237.4





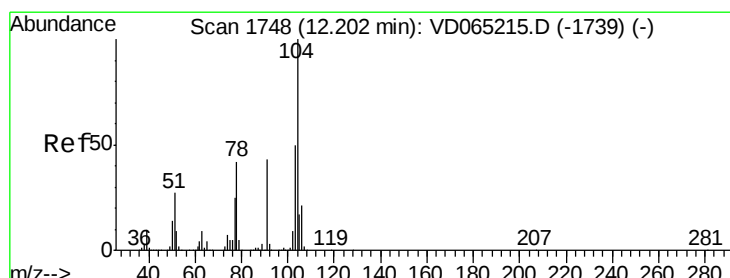
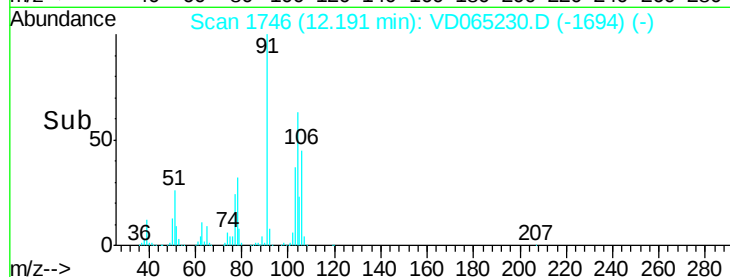
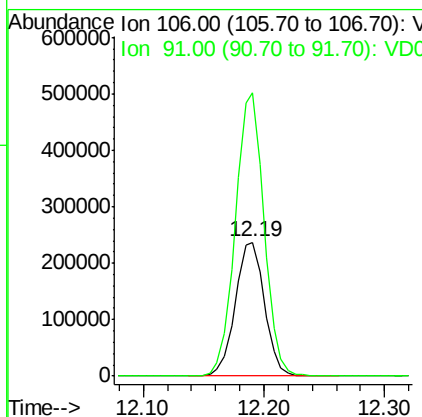
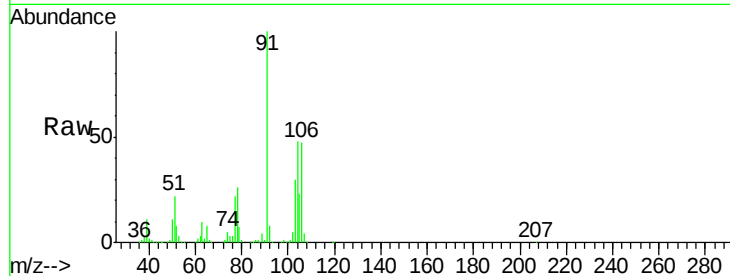
#69
o-Xylene
Concen: 51.096 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VD065230.D
Acq: 18 Feb 2020 20:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		399208		
91	208.0	104.7	313.9		

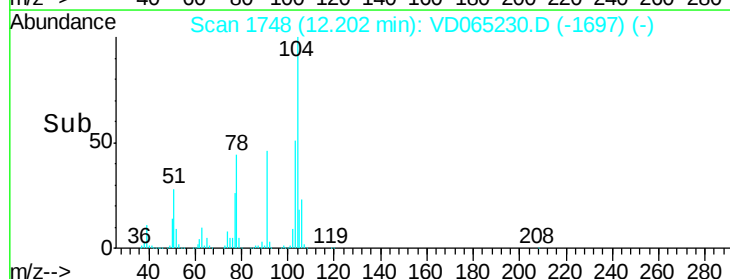
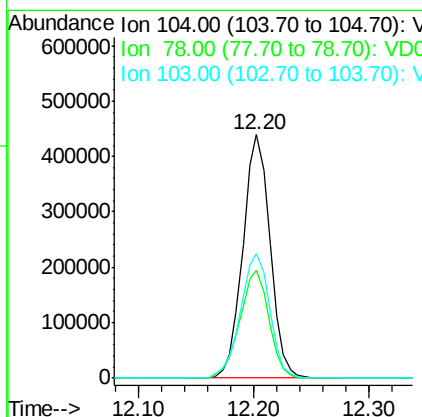
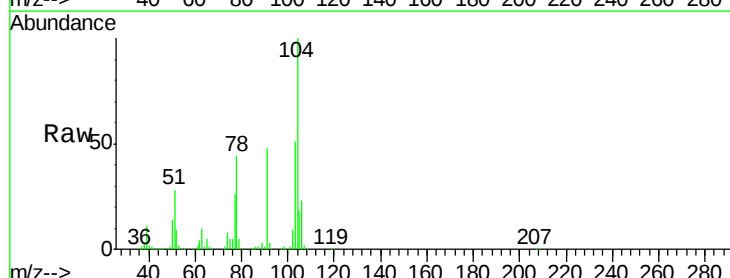
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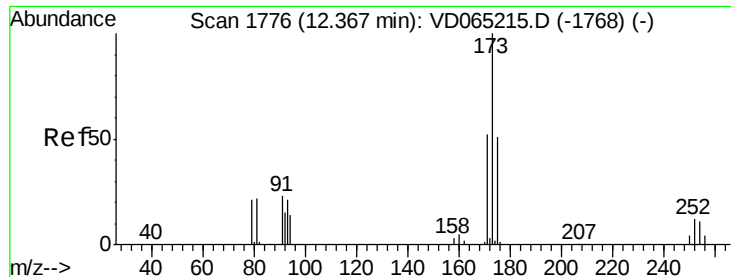
MMDadoda
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#70
Styrene
Concen: 51.954 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065230.D
Acq: 18 Feb 2020 20:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		720686		
78	47.4	37.8	56.6		
103	54.9	43.4	65.2		





#71

Bromoform

Concen: 48.275 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065230.D

Acq: 18 Feb 2020 20:36

Instrument :

MSVOA_D

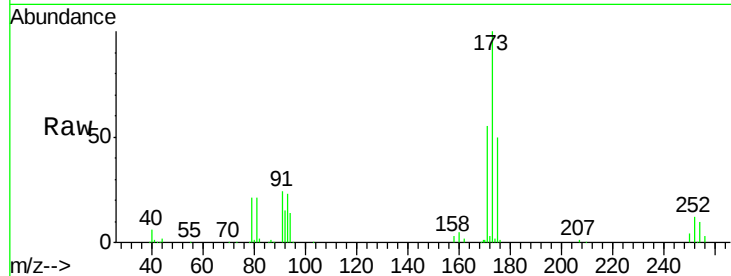
ClientSampleId :

VSTDCCC050EC

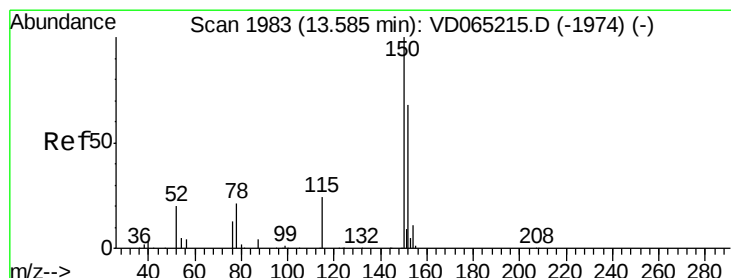
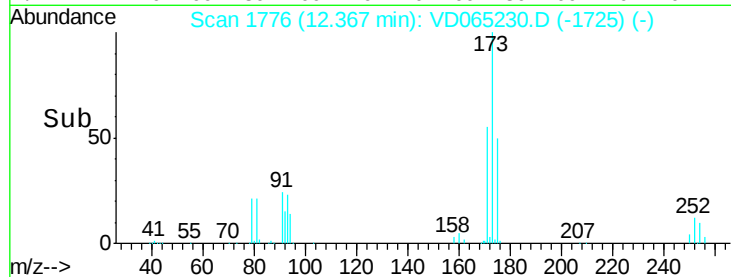
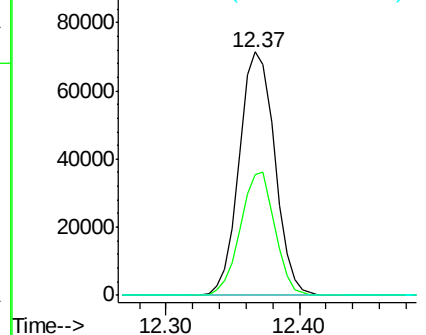
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.4	73.4
254	0.1	0.0	0.0#

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

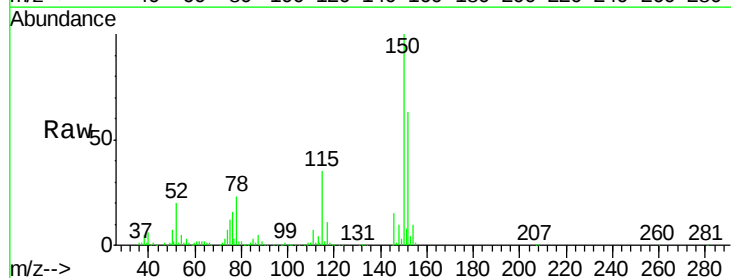
RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

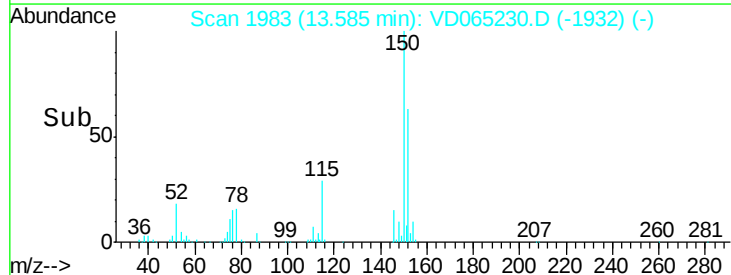
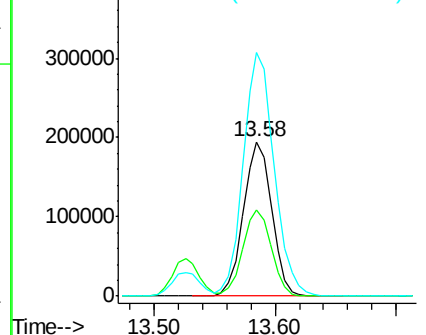
Lab File: VD065230.D

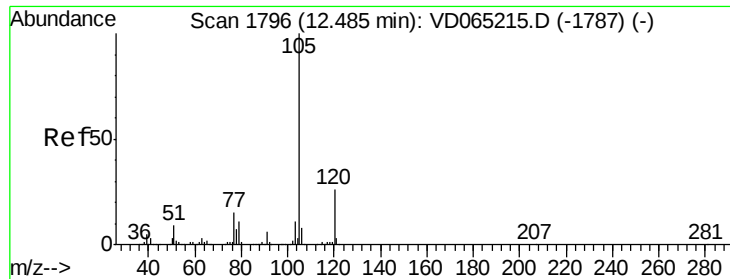
Acq: 18 Feb 2020 20:36

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.1	27.6	82.8
150	172.1	0.0	347.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.674 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065230.D

Acq: 18 Feb 2020 20:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1069505

Ion Ratio Lower Upper

105 100

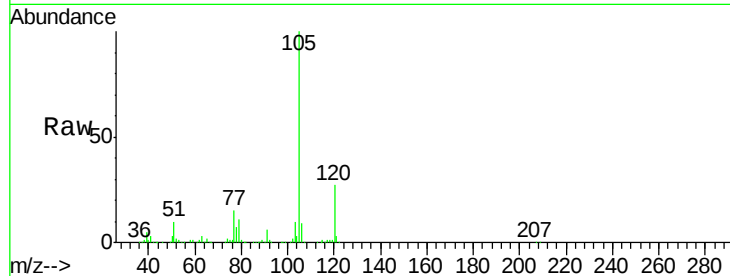
120 27.2 13.3 39.9

Manual Integrations

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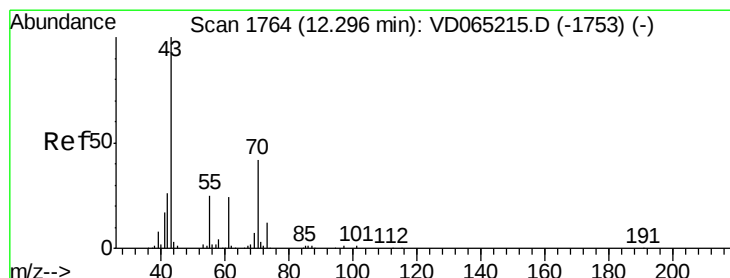
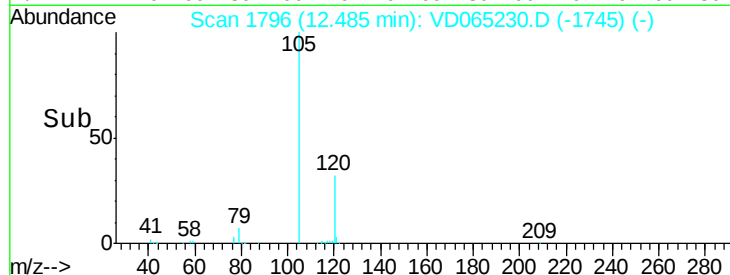
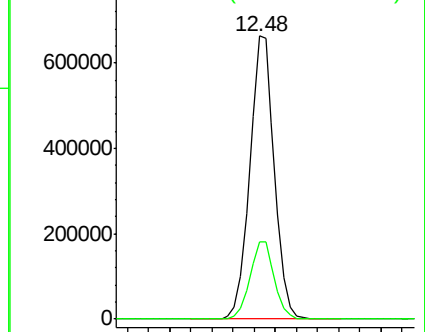
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.166 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065230.D

Acq: 18 Feb 2020 20:36

Tgt Ion: 43 Resp: 239956

Ion Ratio Lower Upper

43 100

70 43.2 33.7 50.5

55 26.6 20.7 31.1

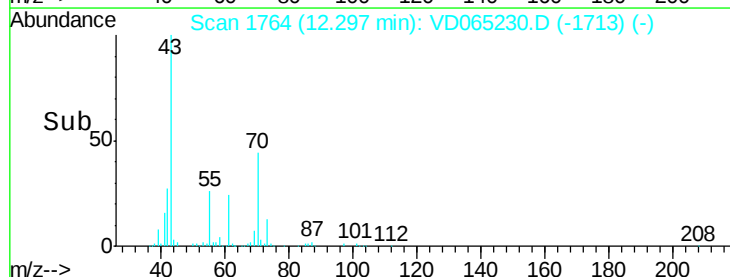
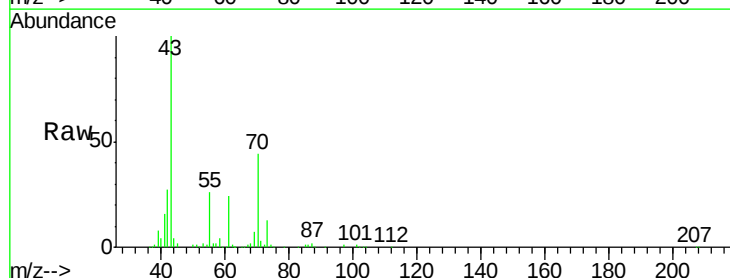
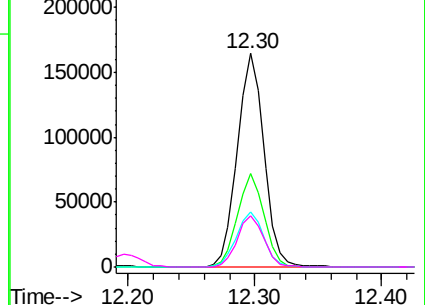
61 23.8 19.0 28.4

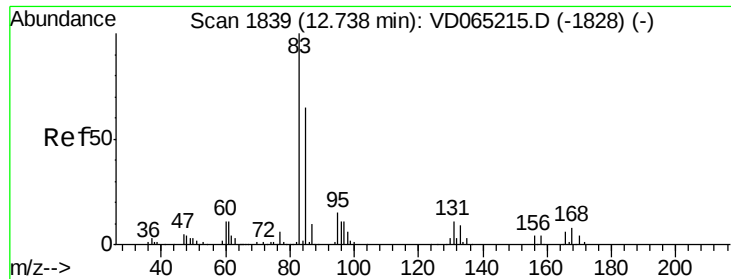
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 48.253 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065230.D

Acq: 18 Feb 2020 20:36

Instrument :

MSVOA_D

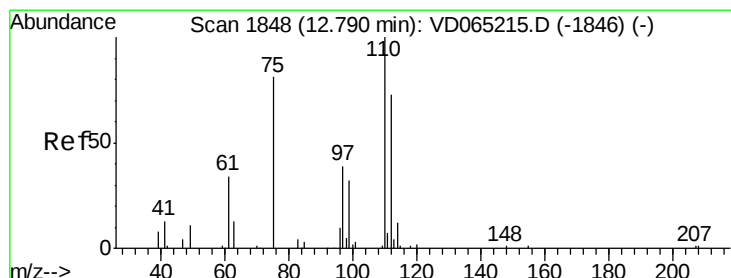
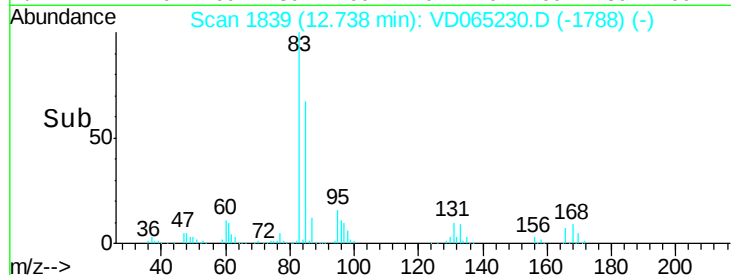
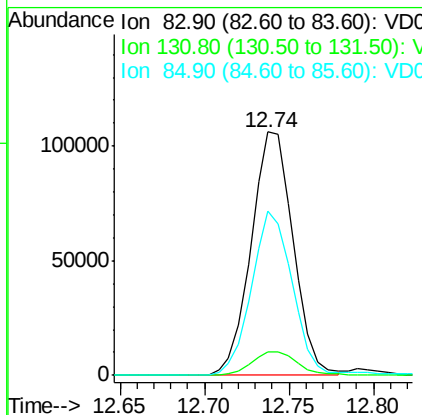
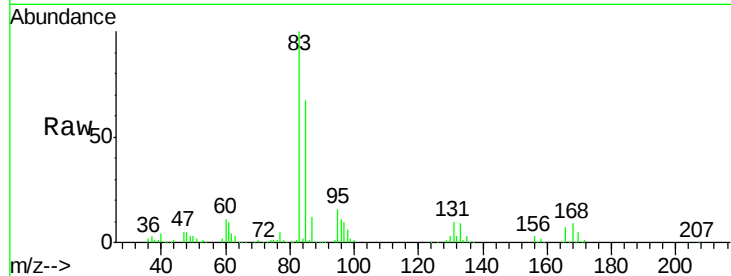
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	183802
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.4	16.2
85	65.5	31.6	94.8

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#76

1,2,3-Trichloropropane

Concen: 47.074 ug/l m

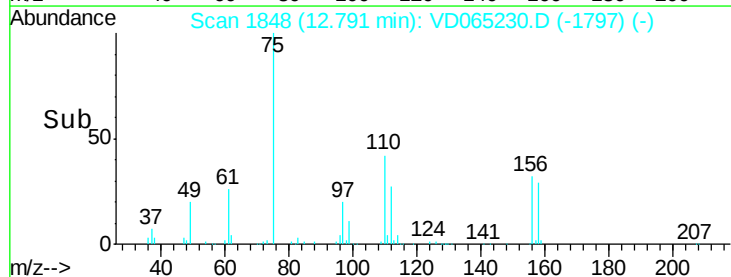
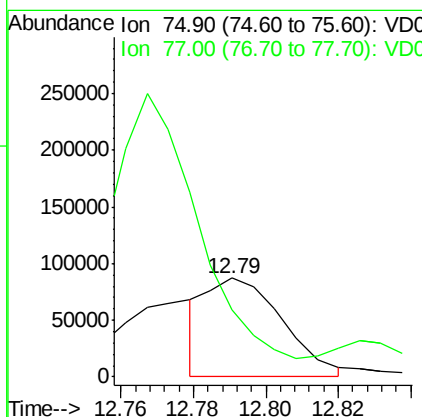
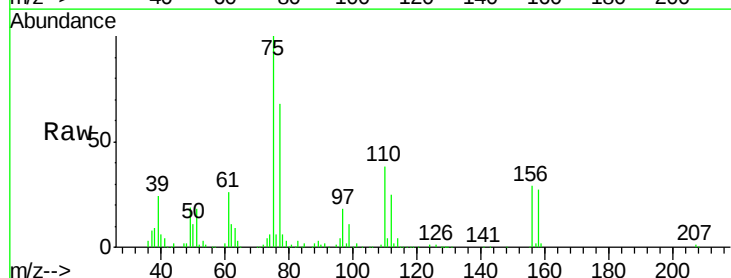
RT: 12.79 min Scan# 1848

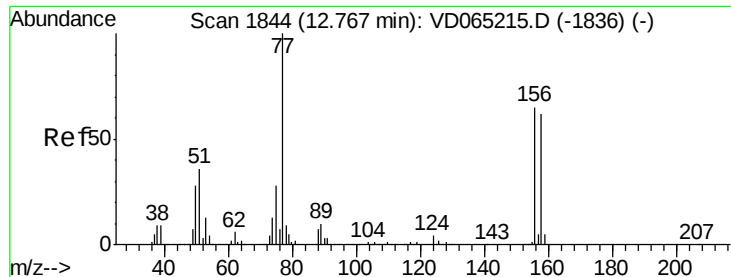
Delta R.T. 0.00 min

Lab File: VD065230.D

Acq: 18 Feb 2020 20:36

Tgt Ion:	75	Resp:	127683
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.419 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065230.D

Acq: 18 Feb 2020 20:36

Instrument :

MSVOA_D

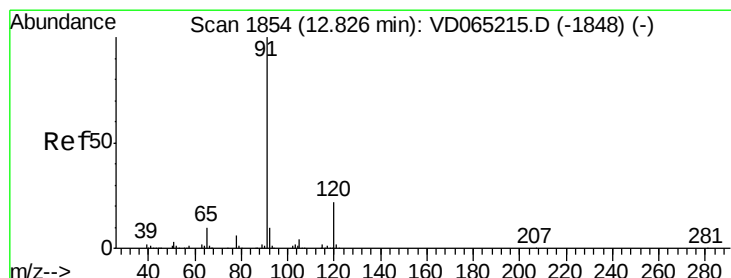
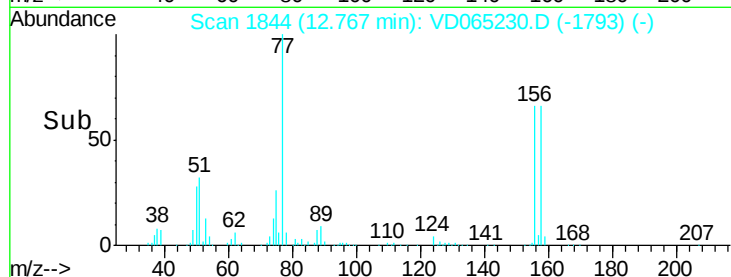
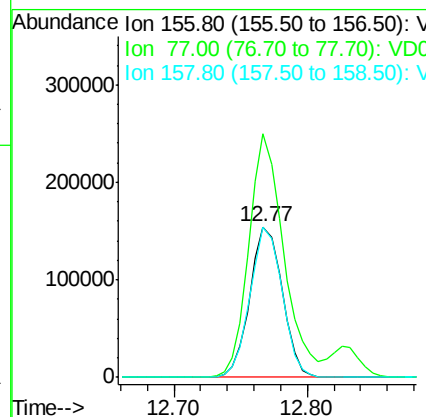
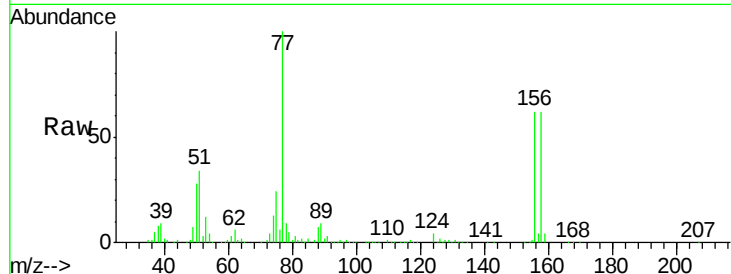
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	173.5	86.6	259.7
158	98.9	48.1	144.3

Manual Integrations
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#78

n-propylbenzene

Concen: 50.167 ug/l

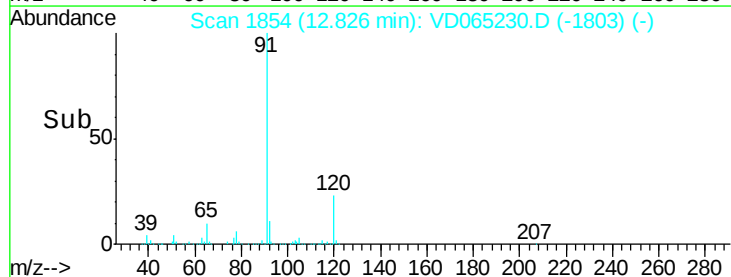
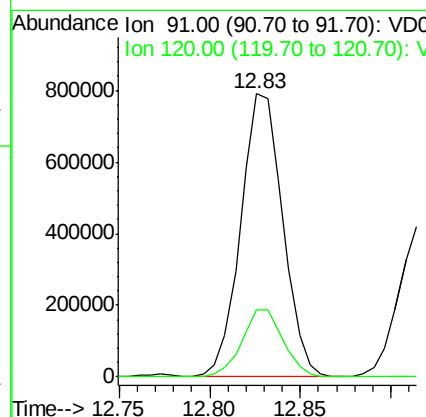
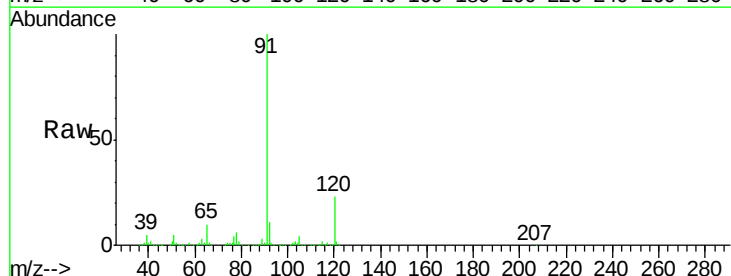
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065230.D

Acq: 18 Feb 2020 20:36

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.4	11.5	34.5





#79

2-Chlorotoluene

Concen: 50.577 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065230.D

Acq: 18 Feb 2020 20:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 718628

Ion Ratio Lower Upper

91 100

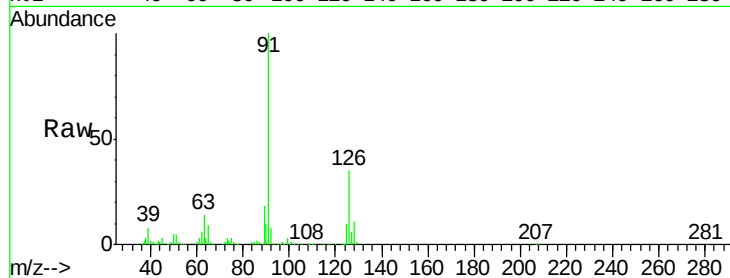
126 34.6 17.5 52.6

Manual Integrations

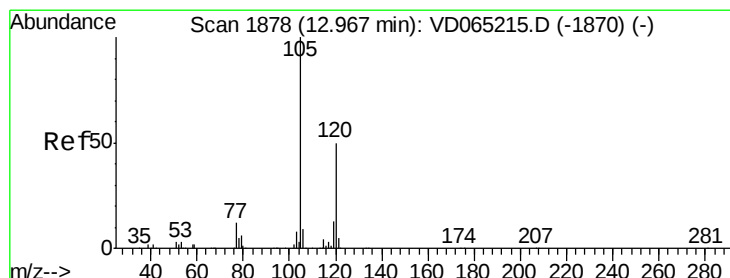
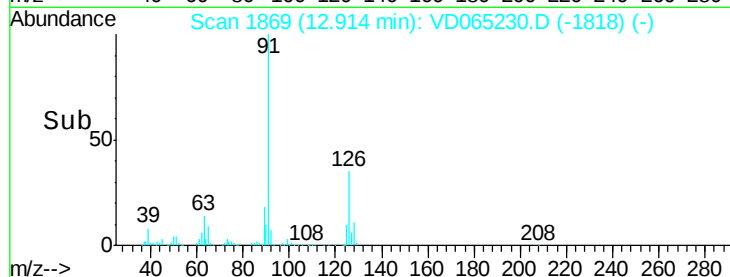
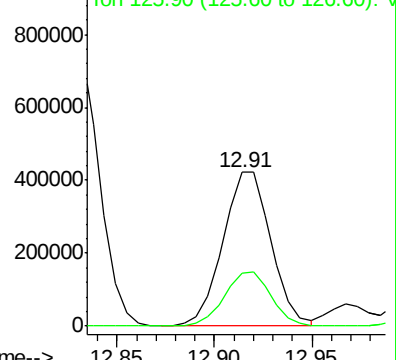
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Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 50.915 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065230.D

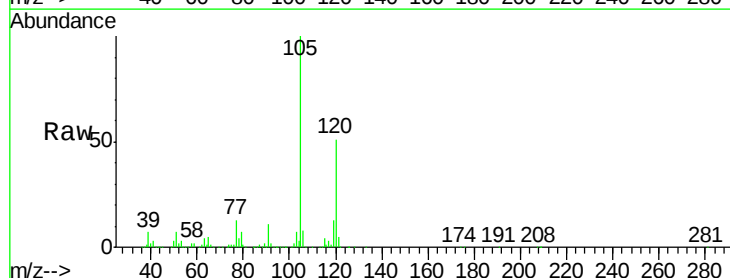
Acq: 18 Feb 2020 20:36

Tgt Ion: 105 Resp: 885067

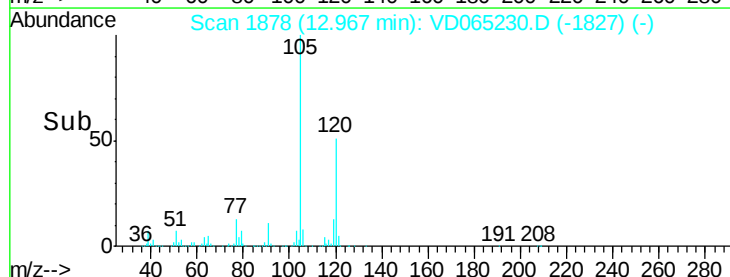
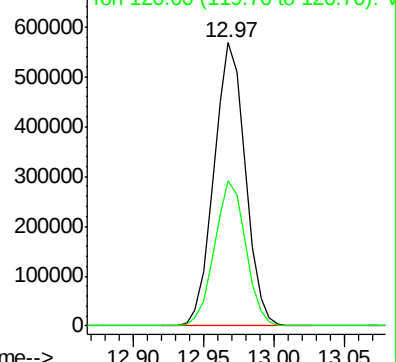
Ion Ratio Lower Upper

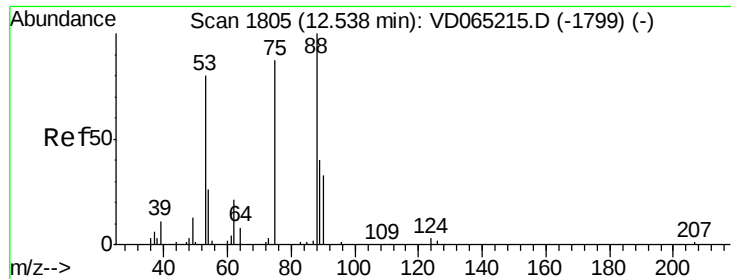
105 100

120 50.9 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 48.048 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VD065230.D

Acq: 18 Feb 2020 20:36

Instrument :

MSVOA_D

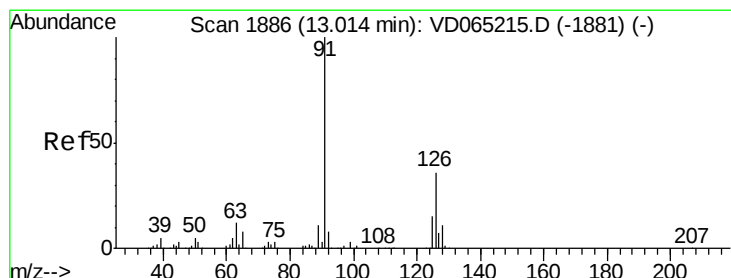
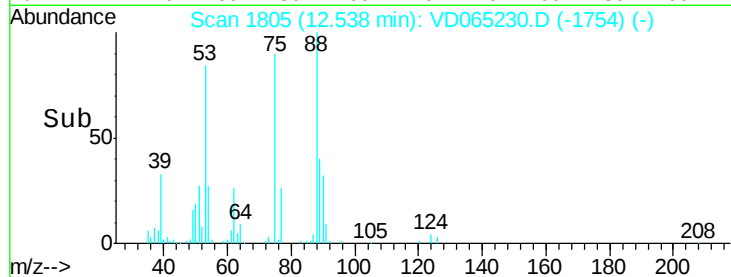
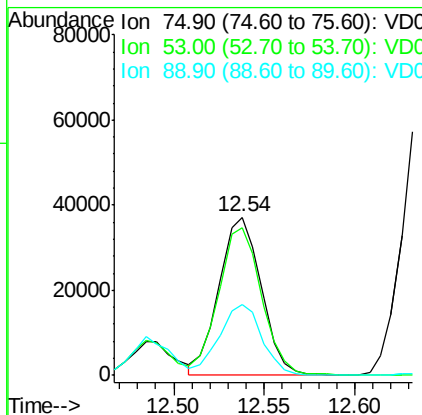
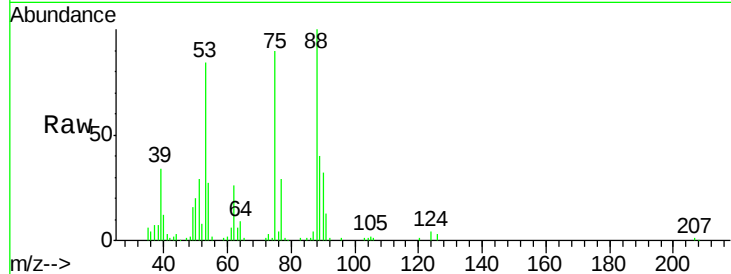
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	60359
Ion	Ratio	Lower	Upper
75	100		
53	95.3	77.6	116.4
89	45.3	37.2	55.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 49.655 ug/l

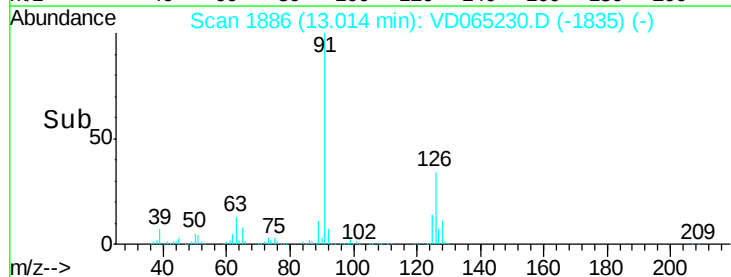
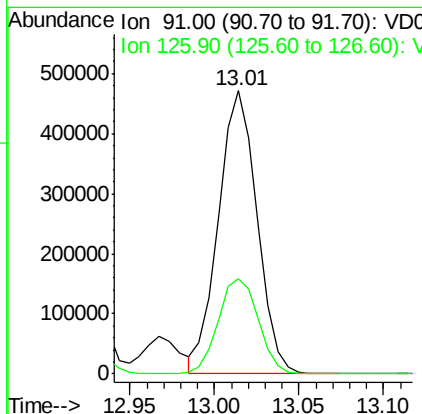
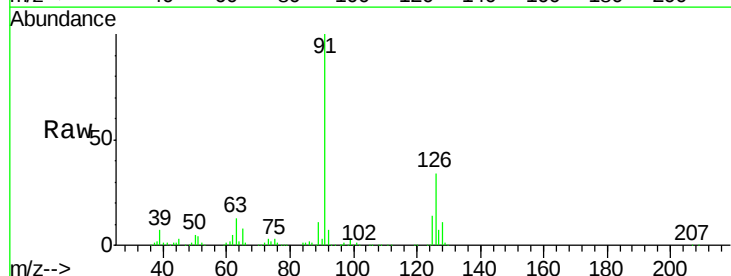
RT: 13.01 min Scan# 1886

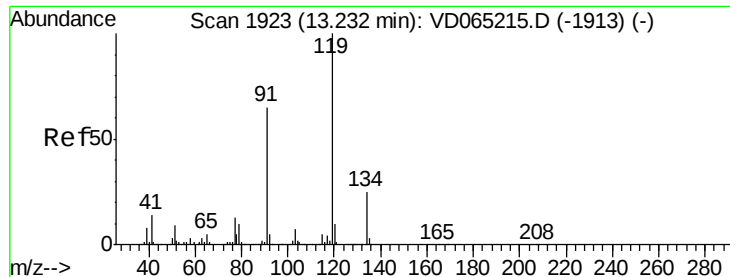
Delta R.T. 0.00 min

Lab File: VD065230.D

Acq: 18 Feb 2020 20:36

Tgt Ion:	91	Resp:	749016
Ion	Ratio	Lower	Upper
91	100		
126	35.1	17.4	52.3





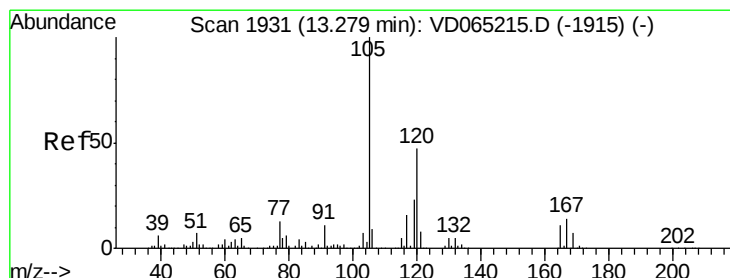
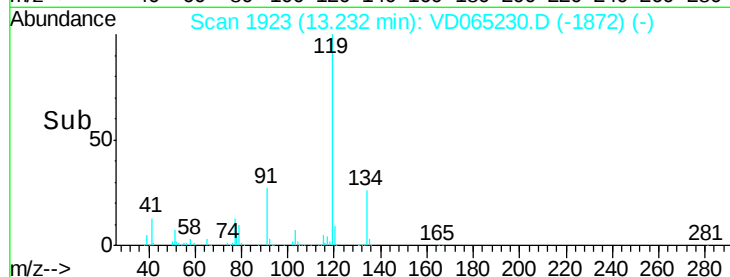
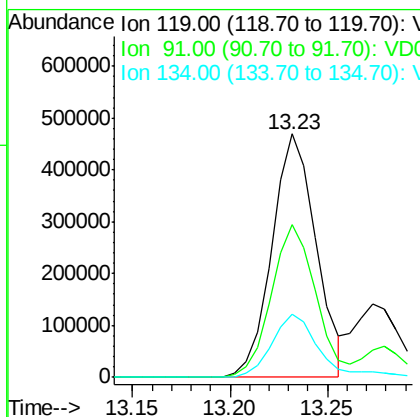
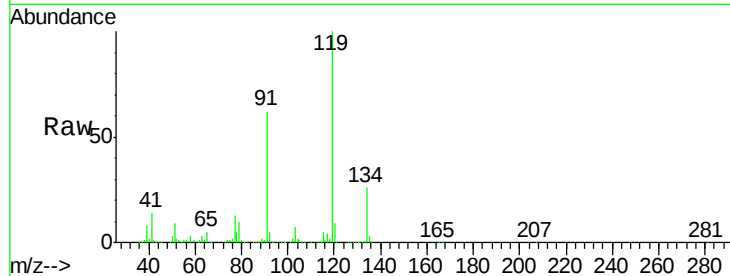
#83
tert-Butylbenzene
Concen: 50.417 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065230.D
Acq: 18 Feb 2020 20:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

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

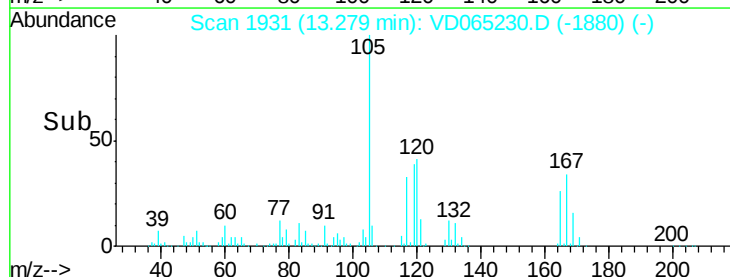
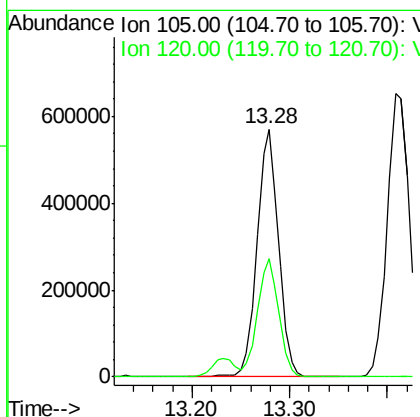
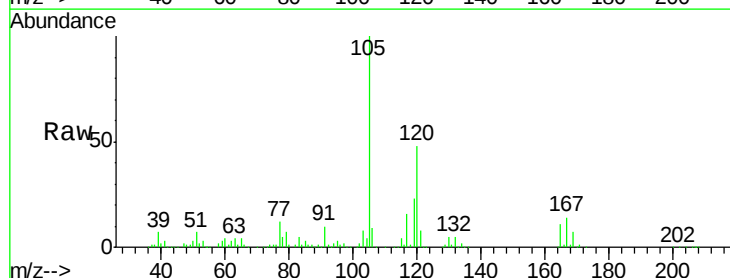
Manual Integrations
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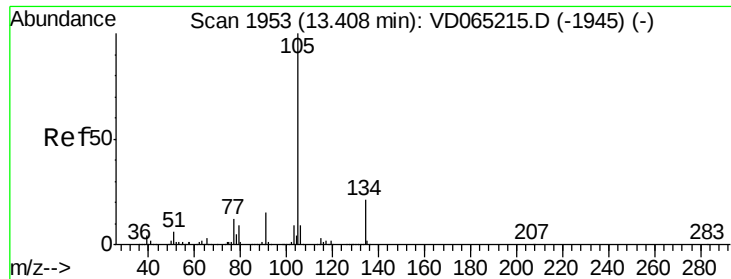
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#84
1,2,4-Trimethylbenzene
Concen: 50.793 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.00 min
Lab File: VD065230.D
Acq: 18 Feb 2020 20:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.3	23.3	69.9





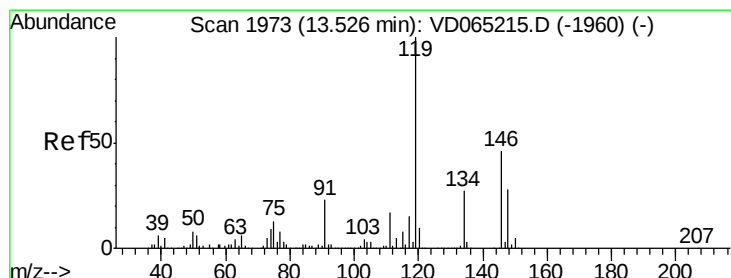
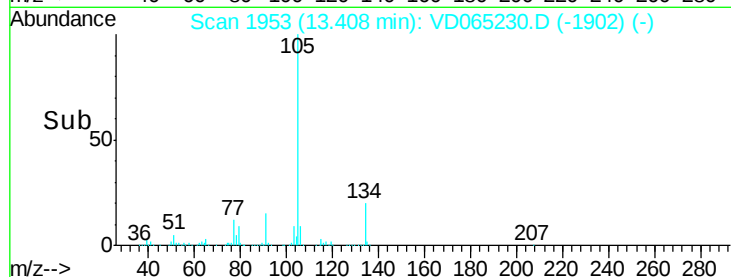
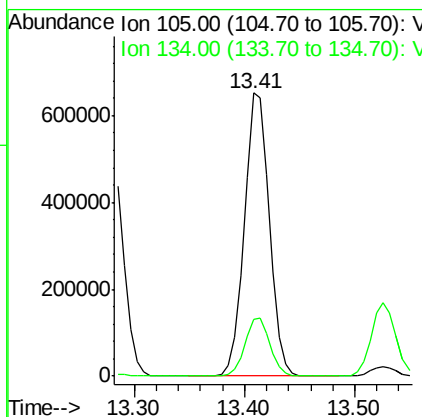
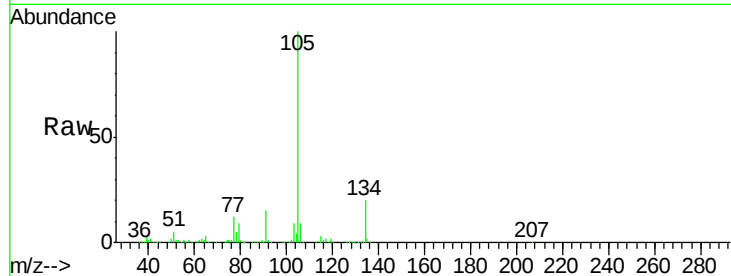
#85
 sec-Butylbenzene
 Concen: 49.389 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD065230.D
 Acq: 18 Feb 2020 20:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.5	10.3	30.9

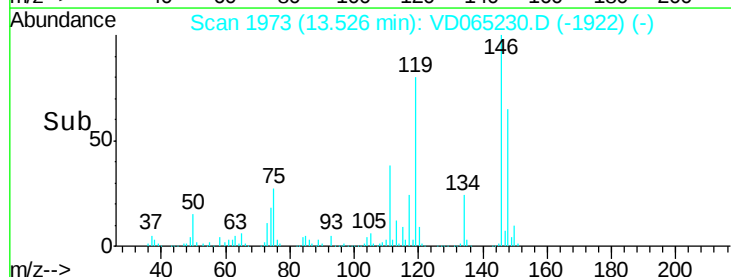
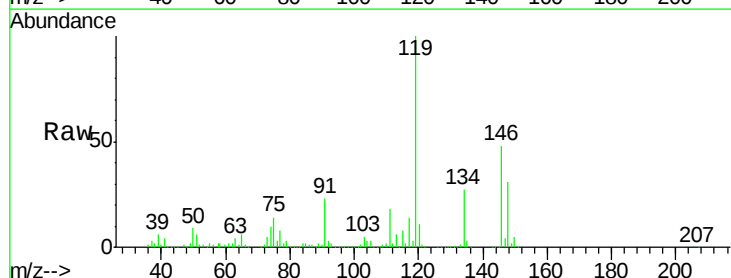
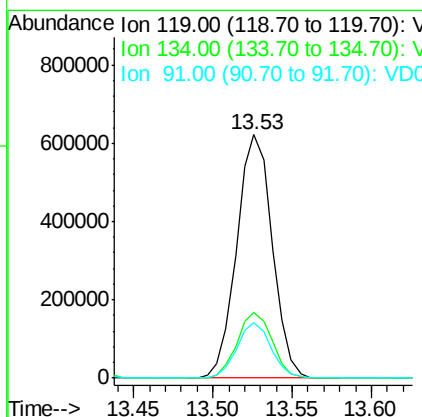
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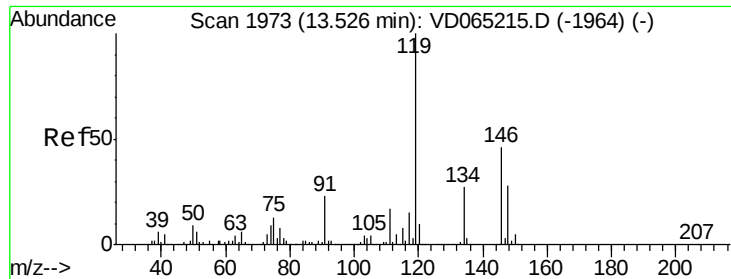
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#86
 p-Isopropyltoluene
 Concen: 50.194 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065230.D
 Acq: 18 Feb 2020 20:36

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.7	13.3	39.8
91	21.8	11.1	33.1





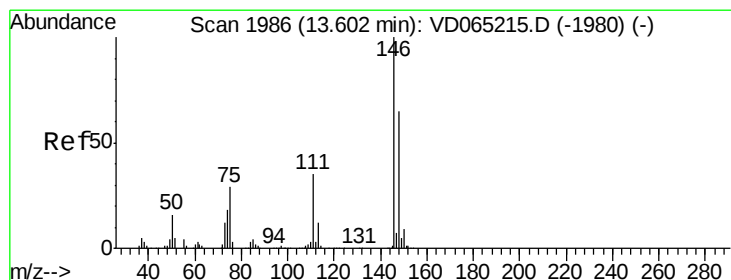
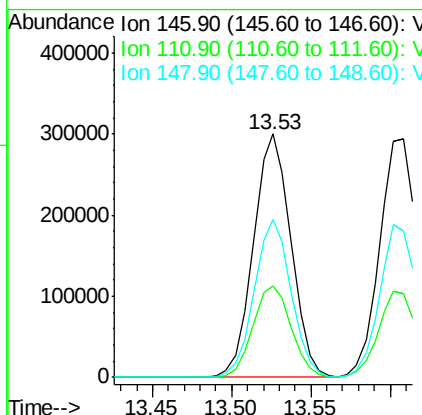
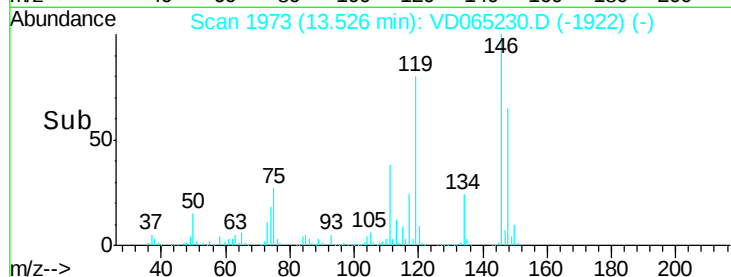
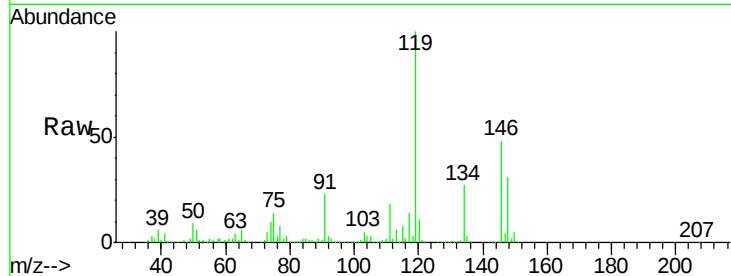
#87
 1,3-Dichlorobenzene
 Concen: 48.669 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065230.D
 Acq: 18 Feb 2020 20:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	18.6	55.8
148	63.8	31.4	94.3

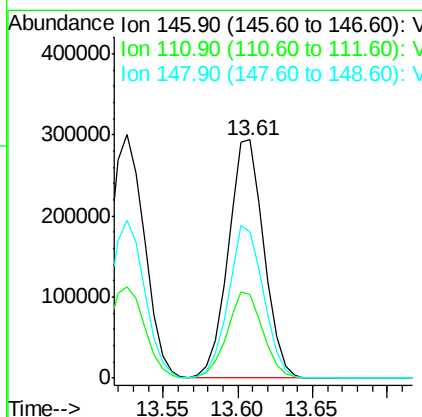
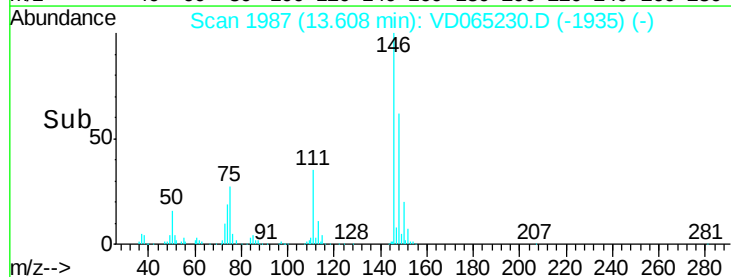
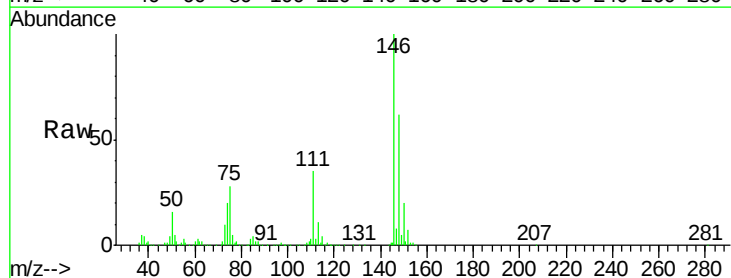
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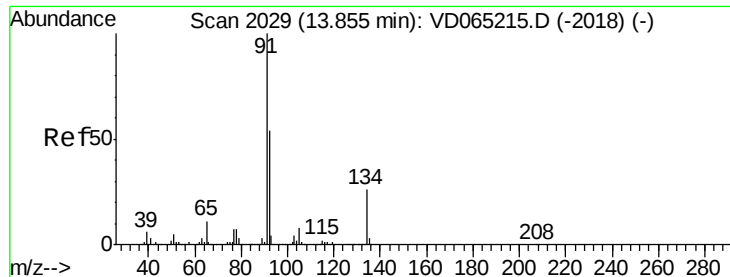
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#88
 1,4-Dichlorobenzene
 Concen: 48.941 ug/l
 RT: 13.61 min Scan# 1987
 Delta R.T. 0.01 min
 Lab File: VD065230.D
 Acq: 18 Feb 2020 20:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.4	55.2
148	63.4	32.1	96.5





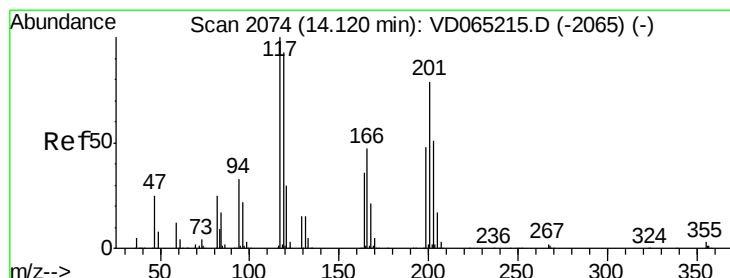
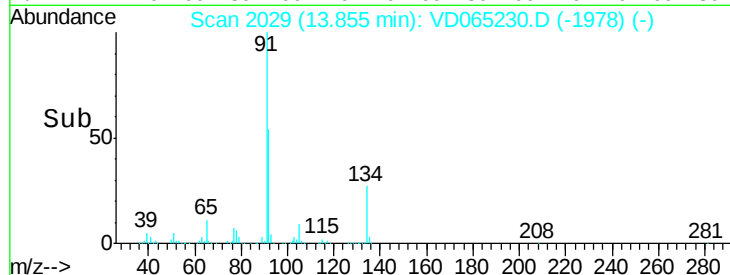
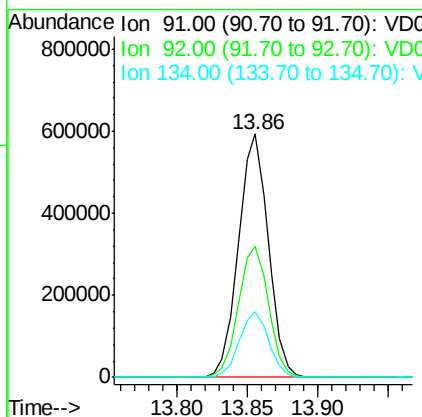
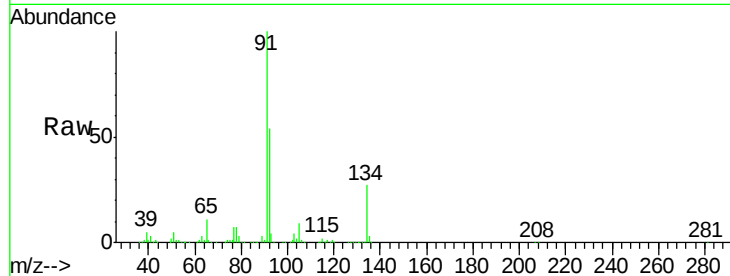
#89
n-Butylbenzene
Concen: 49.495 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065230.D
Acq: 18 Feb 2020 20:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.3	27.0	80.8
134	26.7	13.5	40.4

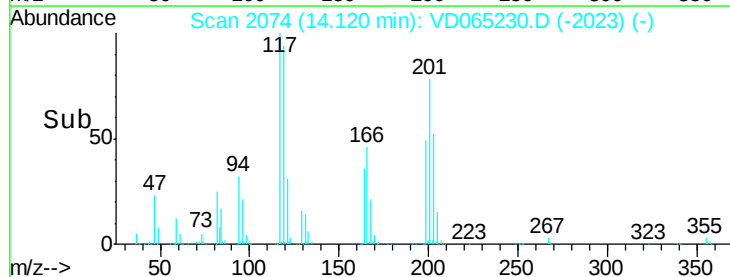
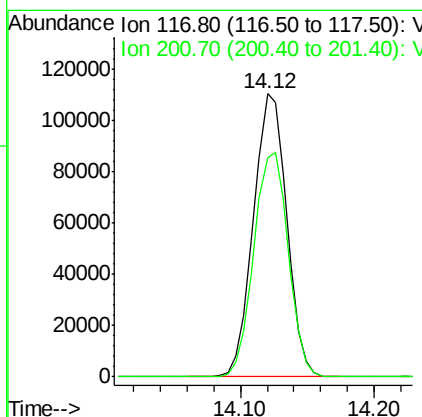
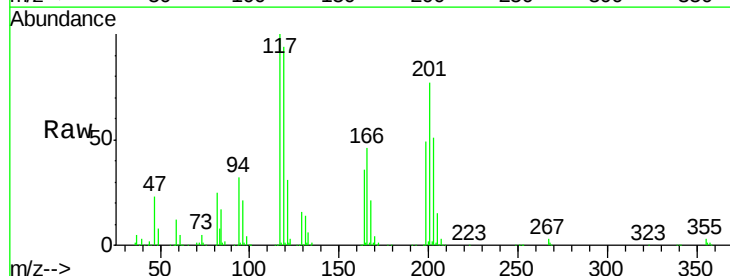
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#90
Hexachloroethane
Concen: 48.846 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065230.D
Acq: 18 Feb 2020 20:36

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.9	41.3	124.1





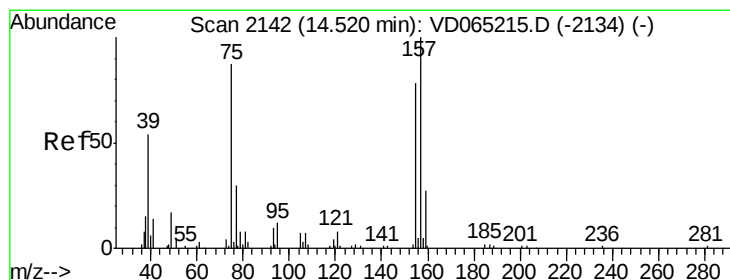
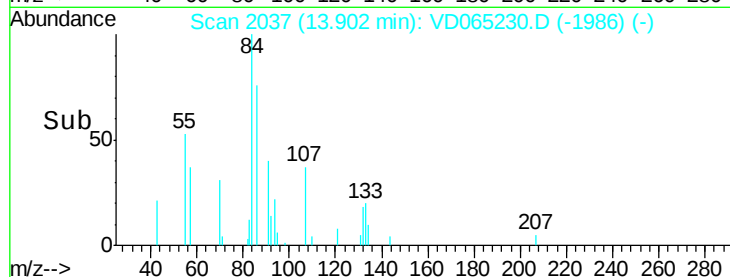
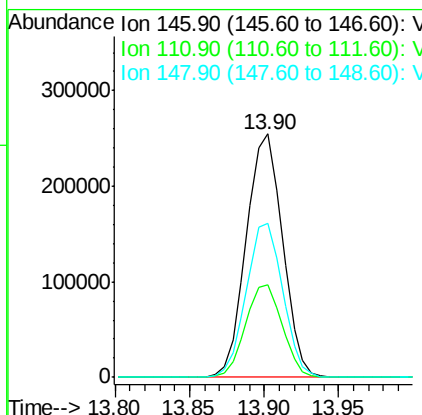
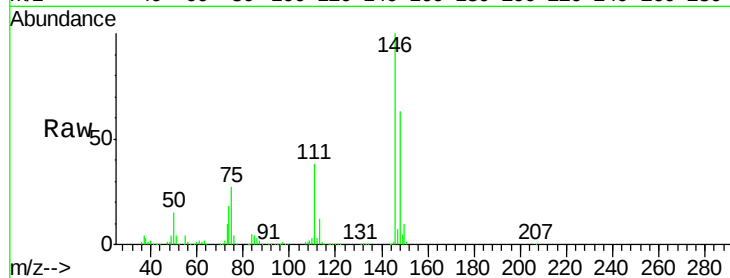
#91
 1,2-Dichlorobenzene
 Concen: 49.320 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VD065230.D
 Acq: 18 Feb 2020 20:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.7	59.0
148	63.7	32.0	96.2

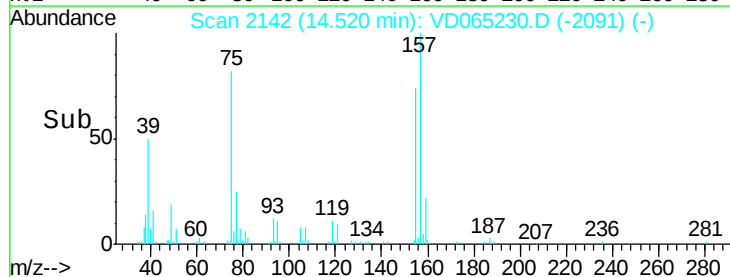
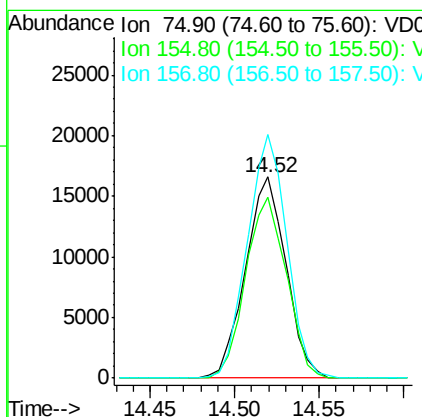
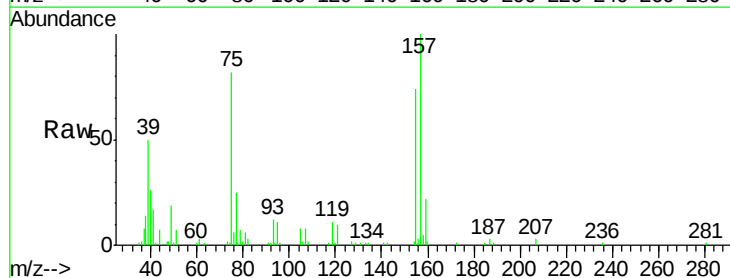
Manual Integrations
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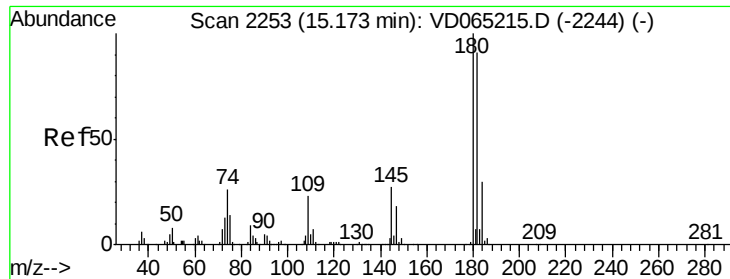
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.228 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD065230.D
 Acq: 18 Feb 2020 20:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.1	42.3	126.9
157	117.9	56.7	170.1





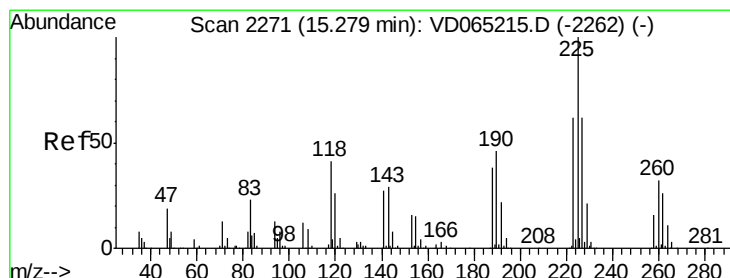
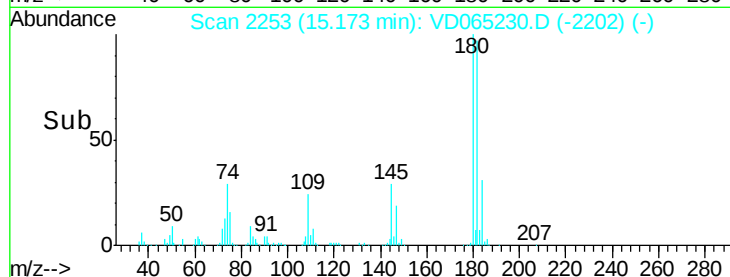
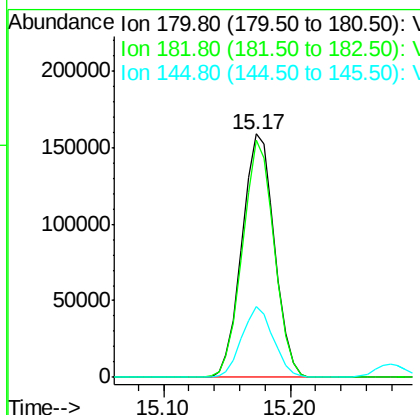
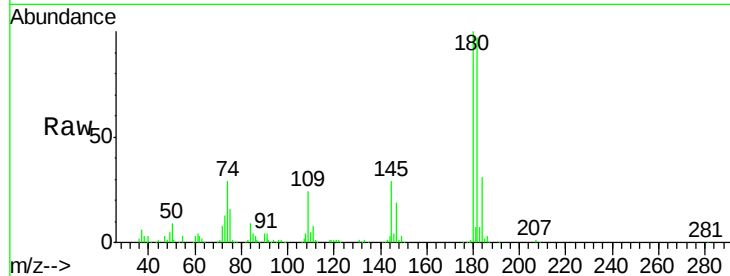
#93
 1,2,4-Trichlorobenzene
 Concen: 49.567 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD065230.D
 Acq: 18 Feb 2020 20:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	282061		
182	94.8	46.9	140.6	
145	28.3	13.9	41.7	

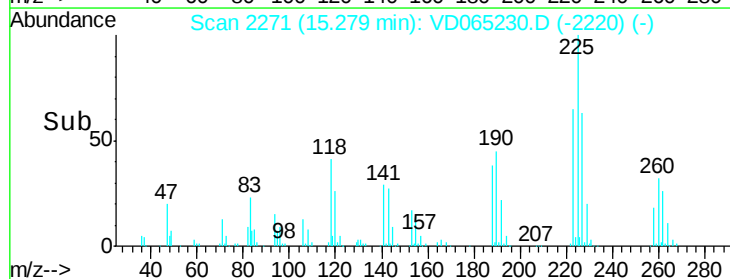
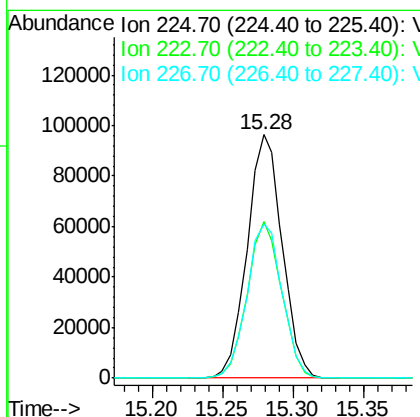
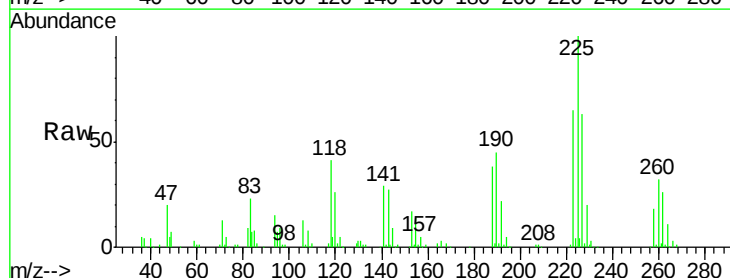
Manual Integrations
 APPROVED

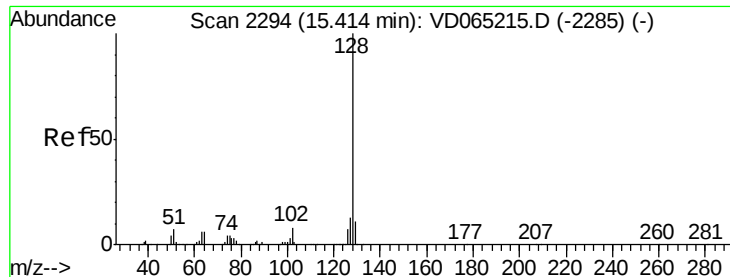
MMDadoda
 2/19/2020 1:43:46 PM



#94
 Hexachlorobutadiene
 Concen: 45.904 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065230.D
 Acq: 18 Feb 2020 20:36

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	167566		
223	63.1	31.4	94.2	
227	64.2	31.7	95.1	





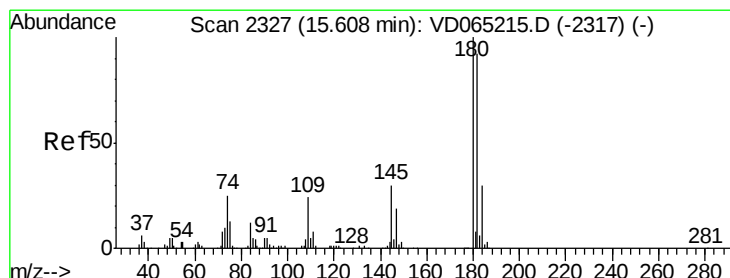
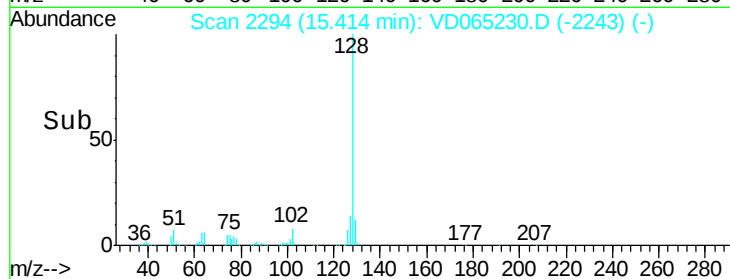
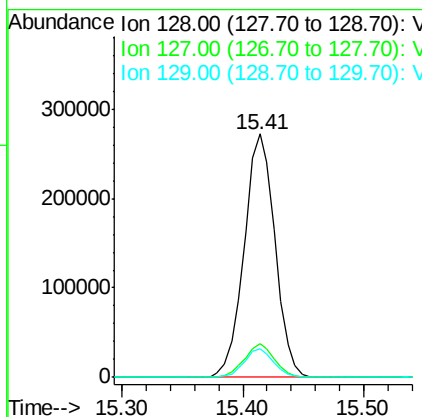
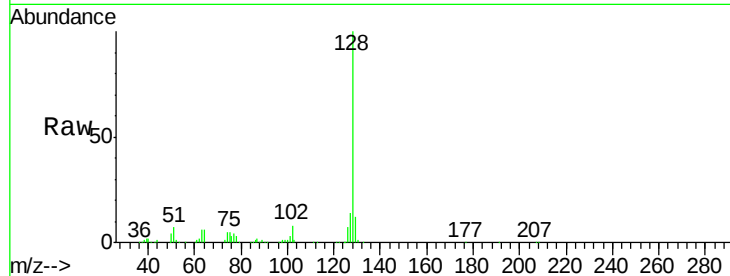
#95
Naphthalene
Concen: 52.511 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065230.D
Acq: 18 Feb 2020 20:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

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

Manual Integrations
APPROVED

MMDadoda
2/19/2020 1:43:46 PM



#96
1,2,3-Trichlorobenzene
Concen: 50.351 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065230.D
Acq: 18 Feb 2020 20:36

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	46.9	140.6
145	30.5	15.4	46.1

