

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072720\
 Data File : VD066070.D
 Acq On : 27 Jul 2020 16:41
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/28/2020 1:44:10 PM

Quant Time: Jul 27 17:58:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:34:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	240141	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	357574	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	344802	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	192410	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	118549	60.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.34%	
35) Dibromofluoromethane	7.91	113	123284	56.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.68%	
50) Toluene-d8	10.34	98	452981	56.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.14%	
62) 4-Bromofluorobenzene	12.64	95	161146	57.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	73115	40.119	ug/l	96
3) Chloromethane	2.20	50	66301	44.580	ug/l	99
4) Vinyl Chloride	2.34	62	61910	43.713	ug/l	100
5) Bromomethane	2.77	94	49344	49.489	ug/l	99
6) Chloroethane	2.92	64	40531	47.940	ug/l	91
7) Trichlorofluoromethane	3.27	101	165479	48.036	ug/l	100
8) Diethyl Ether	3.70	74	50661	53.204	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.09	101	94422	45.394	ug/l	94
10) Methyl Iodide	4.29	142	118912	55.431	ug/l	94
11) Tert butyl alcohol	5.23	59	34783	286.954	ug/l	98
12) 1,1-Dichloroethene	4.07	96	93116	46.898	ug/l	98
13) Acrolein	3.92	56	37124	225.501	ug/l	99
14) Allyl chloride	4.71	41	148160	47.737	ug/l	92
15) Acrylonitrile	5.42	53	109194	268.422	ug/l	98
16) Acetone	4.16	43	92509	233.893	ug/l	94
17) Carbon Disulfide	4.41	76	282731	43.899	ug/l	100
18) Methyl Acetate	4.72	43	47521	51.648	ug/l	98
19) Methyl tert-butyl Ether	5.47	73	243073	59.585	ug/l	99
20) Methylene Chloride	4.97	84	120424	55.383	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	113898	50.756	ug/l	98
22) Diisopropyl ether	6.36	45	314072	53.264	ug/l	95
23) Vinyl Acetate	6.30	43	925451	278.295	ug/l	95
24) 1,1-Dichloroethane	6.27	63	192004	53.741	ug/l	97
25) 2-Butanone	7.21	43	135321	257.843	ug/l	93
26) 2,2-Dichloropropane	7.21	77	162665	50.630	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	125928	53.001	ug/l	99
28) Bromochloromethane	7.55	49	85495	56.381	ug/l	89
29) Tetrahydrofuran	7.56	42	87370	269.814	ug/l	94
30) Chloroform	7.71	83	207310	55.472	ug/l	96
31) Cyclohexane	7.99	56	150869	42.923	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	184689	53.426	ug/l	99
36) 1,1-Dichloropropene	8.11	75	148328	48.605	ug/l	100
37) Ethyl Acetate	7.30	43	62746	53.838	ug/l	98
38) Carbon Tetrachloride	8.10	117	173856	52.505	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	170535	46.145	ug/l	96
40) Benzene	8.35	78	438572	51.369	ug/l	99
41) Methacrylonitrile	7.53	41	37946	56.836	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	138710	59.290	ug/l	99
43) Isopropyl Acetate	8.45	43	122580	53.851	ug/l	99
44) Trichloroethene	9.11	130	133170	51.544	ug/l	99
45) 1,2-Dichloropropane	9.39	63	107038	51.765	ug/l	99
46) Dibromomethane	9.48	93	61474	55.226	ug/l	96
47) Bromodichloromethane	9.66	83	162393	55.175	ug/l	97
48) Methyl methacrylate	9.46	41	58351	50.819	ug/l #	86
49) 1,4-Dioxane	9.46	88	13873	1075.735	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	321496	280.311	ug/l	100
52) Toluene	10.41	92	300197	53.917	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	155931	56.866	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	180369	54.265	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	87871	55.660	ug/l	95
56) Ethyl methacrylate	10.67	69	107707	58.680	ug/l	95
57) 1,3-Dichloropropane	10.95	76	142611	54.568	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.94	63	243825	278.078	ug/l	96
59) 2-Hexanone	10.99	43	218313	274.675	ug/l	95
60) Dibromochloromethane	11.14	129	125018	58.733	ug/l	100
61) 1,2-Dibromoethane	11.25	107	88652	58.241	ug/l	100
64) Tetrachloroethene	10.88	164	117192	50.076	ug/l	95
65) Chlorobenzene	11.67	112	331558	52.519	ug/l	91
66) 1,1,1,2-Tetrachloroethane	11.74	131	131506	56.414	ug/l	99
67) Ethyl Benzene	11.75	91	572868	52.729	ug/l	98
68) m/p-Xylenes	11.86	106	450536	107.891	ug/l	99
69) o-Xylene	12.18	106	206150	54.278	ug/l	96
70) Styrene	12.20	104	371325	56.902	ug/l	99
71) Bromoform	12.37	173	78853	57.749	ug/l #	100
73) Isopropylbenzene	12.48	105	569999	48.958	ug/l	100
74) N-amyl acetate	12.30	43	122433	50.718	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	95441	49.602	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	59990m	41.408	ug/l	
77) Bromobenzene	12.77	156	152693	51.317	ug/l	94
78) n-propylbenzene	12.83	91	656175	48.569	ug/l	98
79) 2-Chlorotoluene	12.91	91	382352	49.537	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	489544	51.179	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	31653	50.135	ug/l	96
82) 4-Chlorotoluene	13.01	91	396678	48.690	ug/l	97
83) tert-Butylbenzene	13.23	119	421606	50.369	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	491004	52.030	ug/l	98
85) sec-Butylbenzene	13.41	105	566766	49.159	ug/l	98
86) p-Isopropyltoluene	13.53	119	539005	51.460	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	279697	50.630	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	274350	49.126	ug/l	98
89) n-Butylbenzene	13.85	91	466263	47.874	ug/l	99
90) Hexachloroethane	14.12	117	106013	48.892	ug/l	94
91) 1,2-Dichlorobenzene	13.90	146	252242	52.693	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	15696	49.774	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	185565	54.005	ug/l	99
94) Hexachlorobutadiene	15.27	225	104479	49.183	ug/l	97
95) Naphthalene	15.41	128	307301	50.270	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	167508	56.077	ug/l	99

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

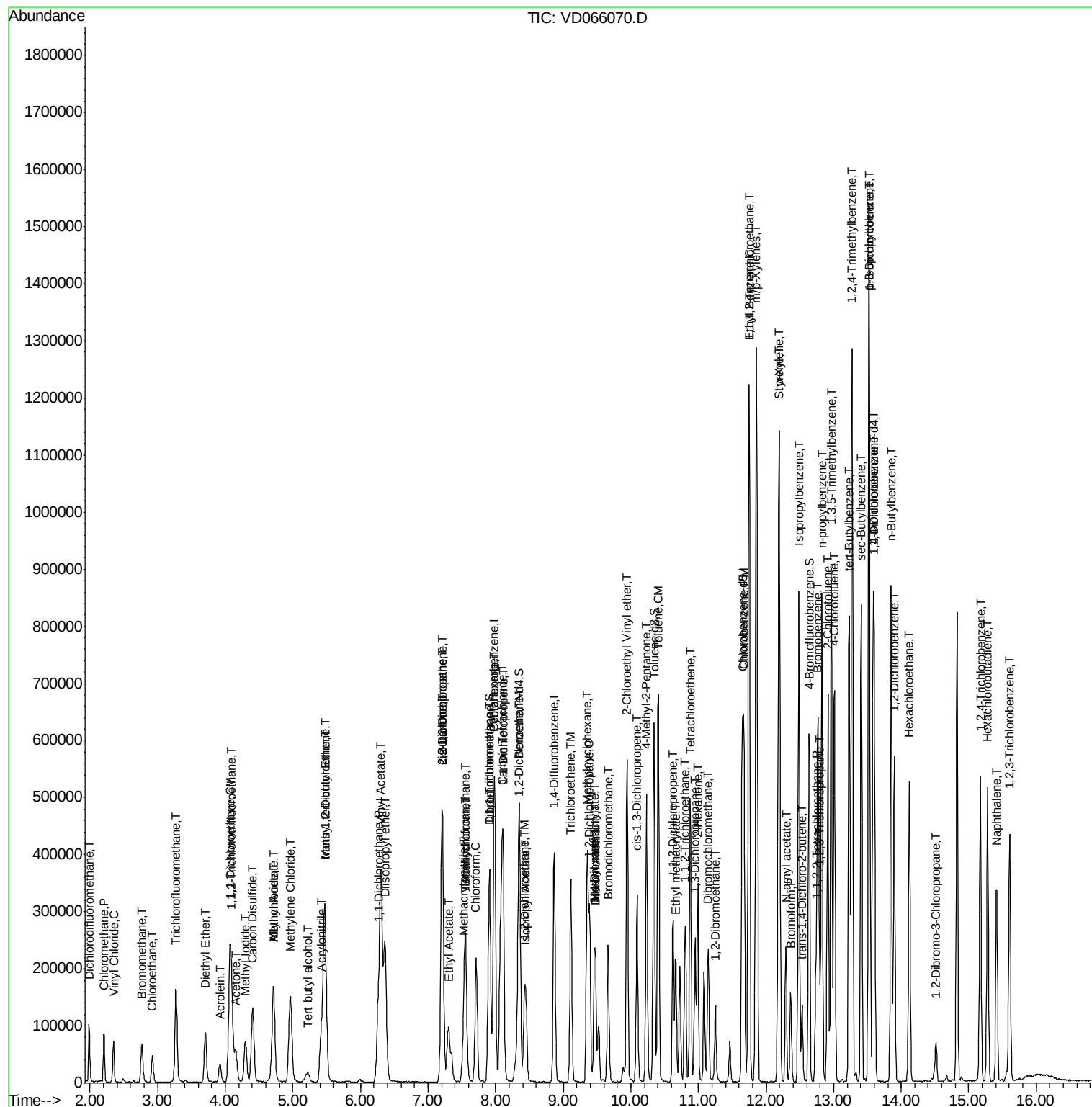
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD072720\
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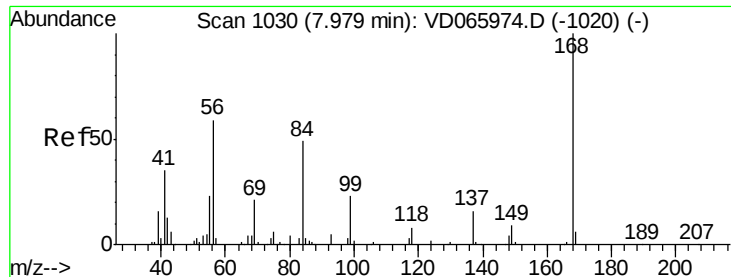
Instrument :
MSVOA_D
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066070.D

Acq: 27 Jul 2020 16:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 240141

Ion Ratio Lower Upper

168 100

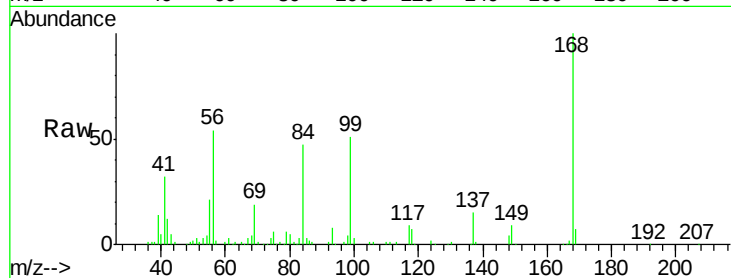
99 50.2 40.8 61.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

100000

80000

60000

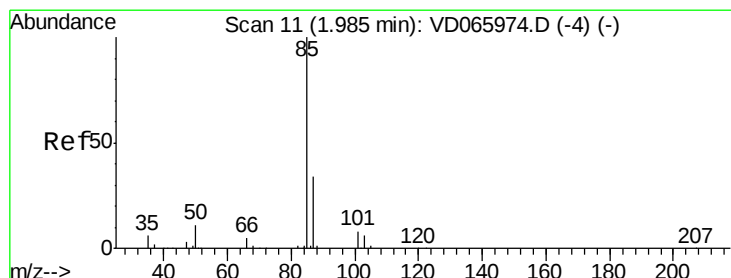
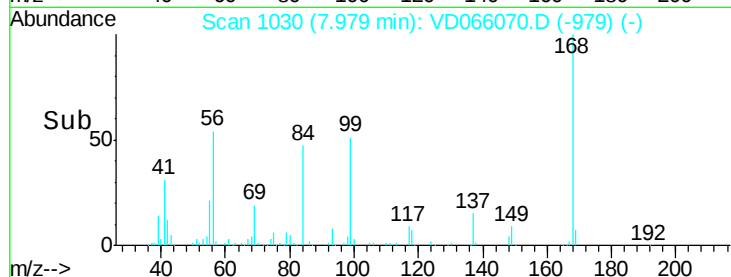
40000

20000

0

7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 40.119 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066070.D

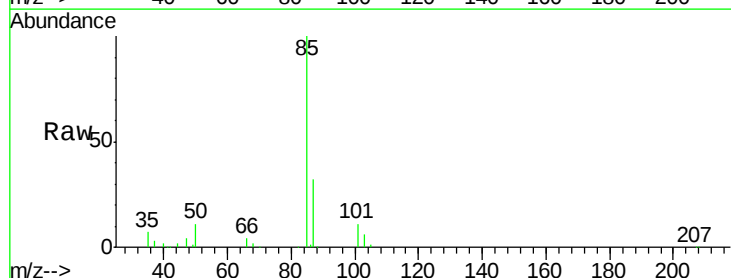
Acq: 27 Jul 2020 16:41

Tgt Ion: 85 Resp: 73115

Ion Ratio Lower Upper

85 100

87 32.0 17.3 51.7



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

50000

40000

30000

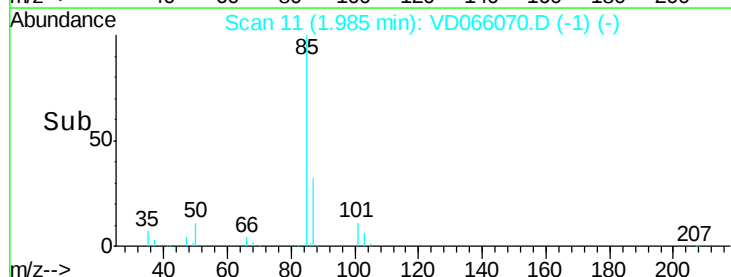
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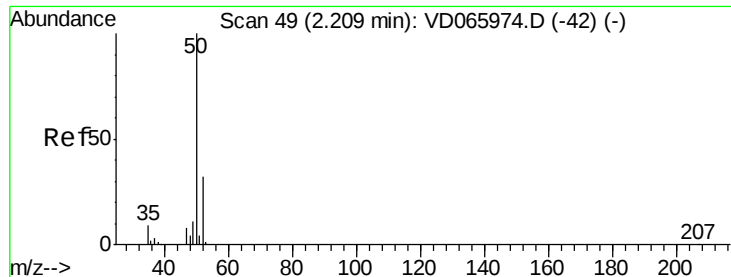
10000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 44.580 ug/l

RT: 2.20 min Scan# 48

Delta R.T. -0.01 min

Lab File: VD066070.D

Acq: 27 Jul 2020 16:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 66301

Ion Ratio Lower Upper

50 100

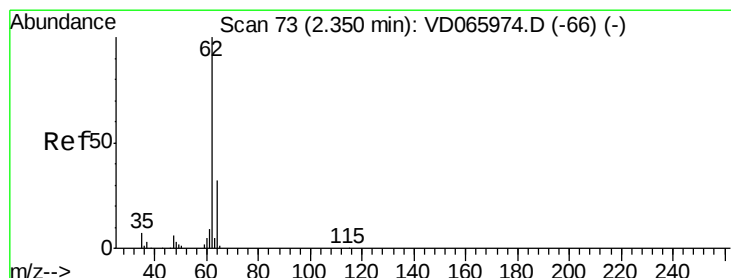
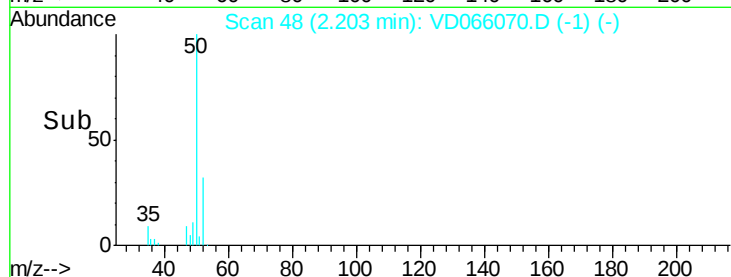
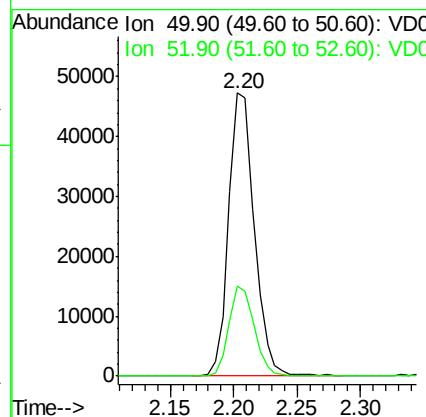
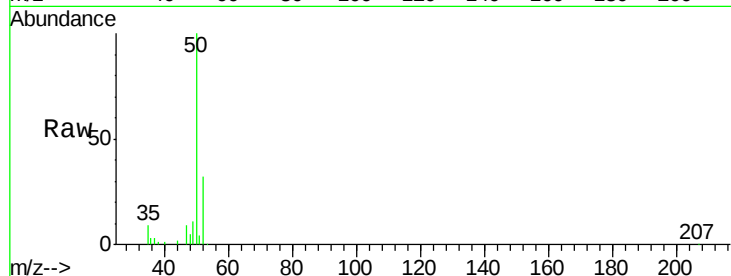
52 31.8 25.8 38.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 43.713 ug/l

RT: 2.34 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD066070.D

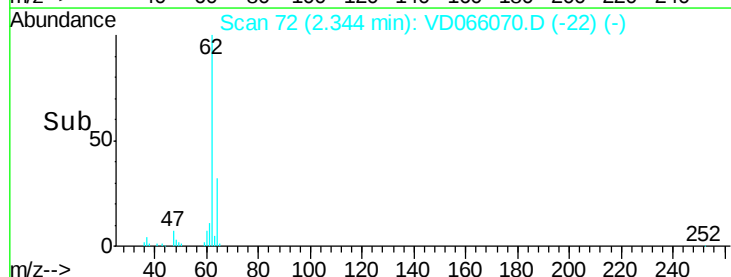
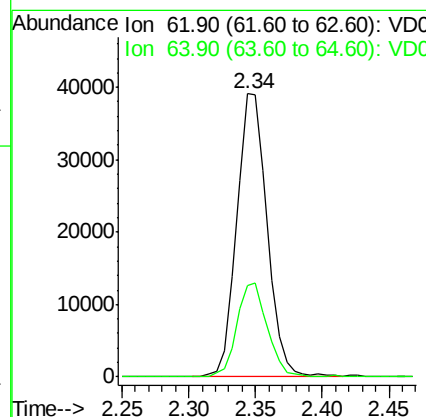
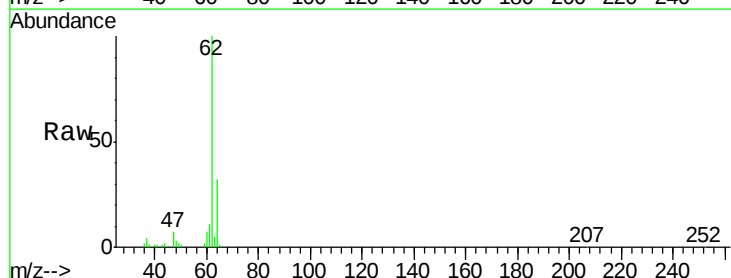
Acq: 27 Jul 2020 16:41

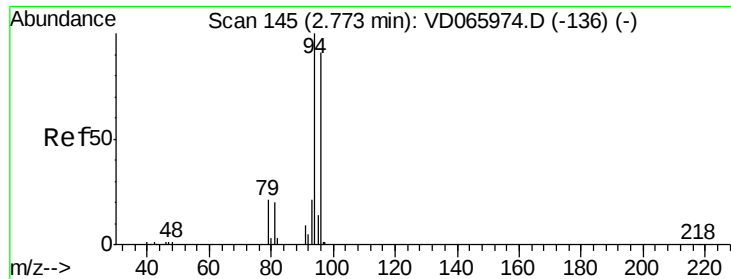
Tgt Ion: 62 Resp: 61910

Ion Ratio Lower Upper

62 100

64 32.5 25.8 38.8





#5

Bromomethane

Concen: 49.489 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD066070.D

Acq: 27 Jul 2020 16:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 49344

Ion Ratio Lower Upper

94 100

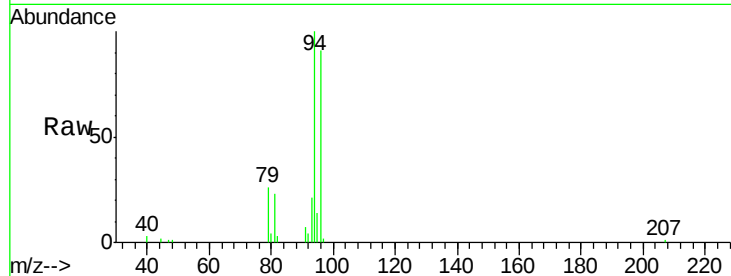
96 90.5 73.0 109.4

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

25000

20000

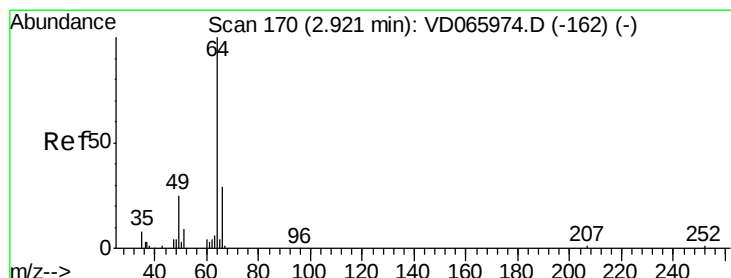
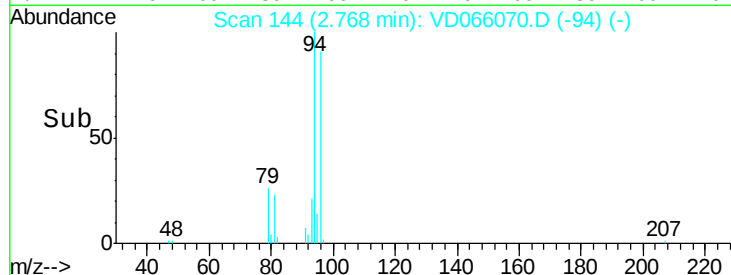
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 47.940 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD066070.D

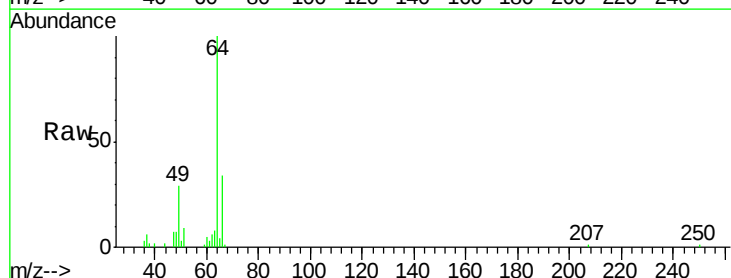
Acq: 27 Jul 2020 16:41

Tgt Ion: 64 Resp: 40531

Ion Ratio Lower Upper

64 100

66 34.2 23.4 35.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

20000

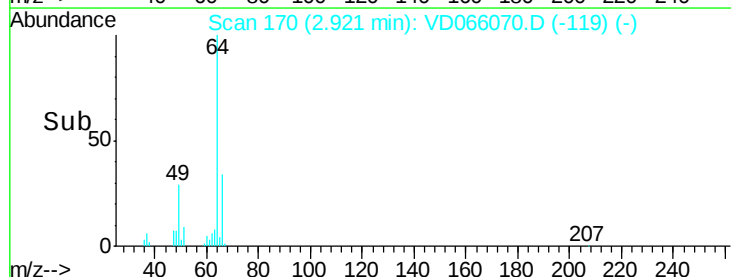
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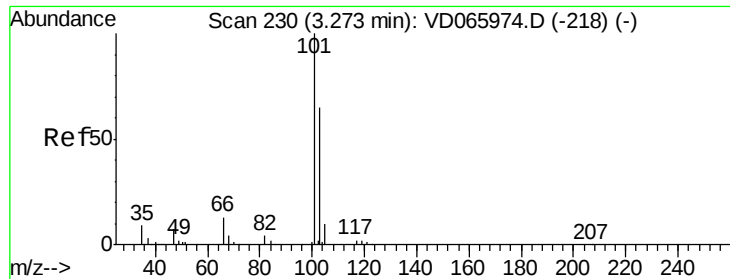
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5000

0

Time-->





#7

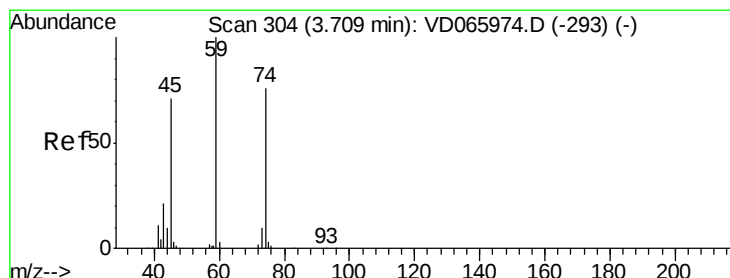
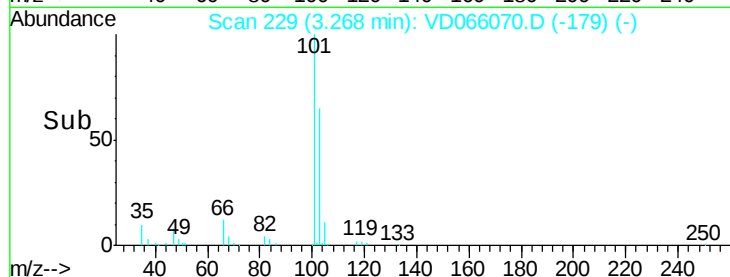
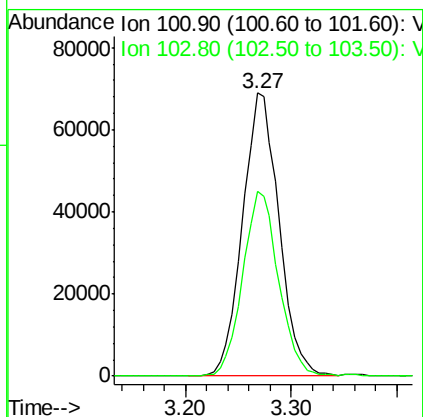
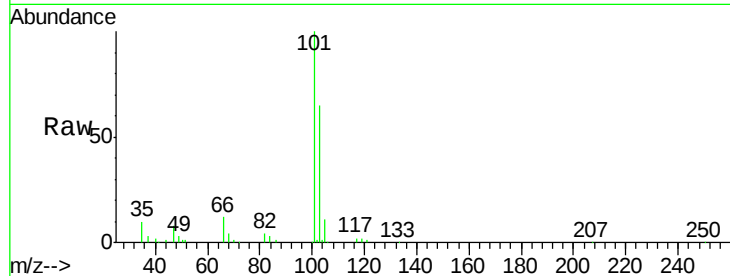
Trichlorofluoromethane
 Concen: 48.036 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD066070.D
 Acq: 27 Jul 2020 16:41

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	52.1	78.1

Manual Integrations
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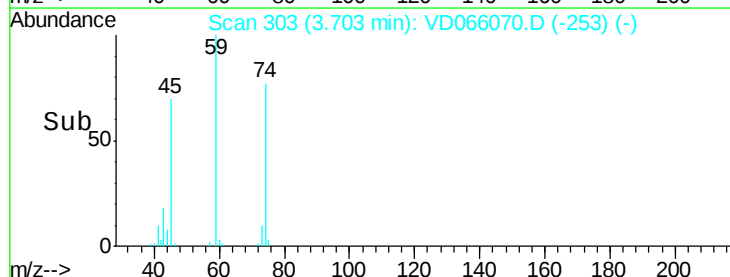
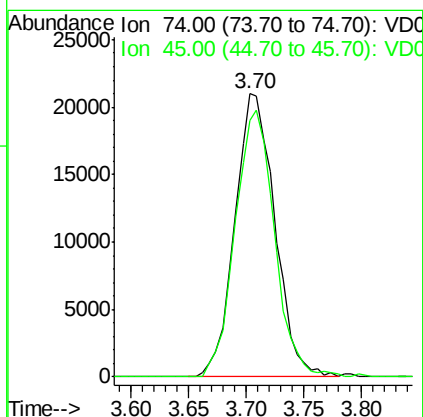
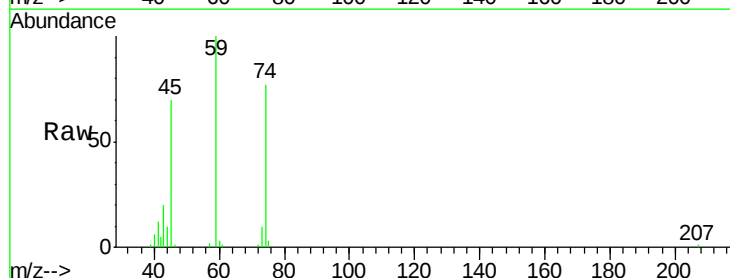
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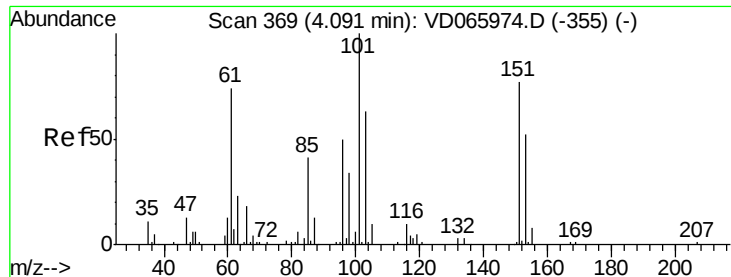


#8

Diethyl Ether
 Concen: 53.204 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD066070.D
 Acq: 27 Jul 2020 16:41

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.6	49.9	149.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.394 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD066070.D

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MSVOA_D

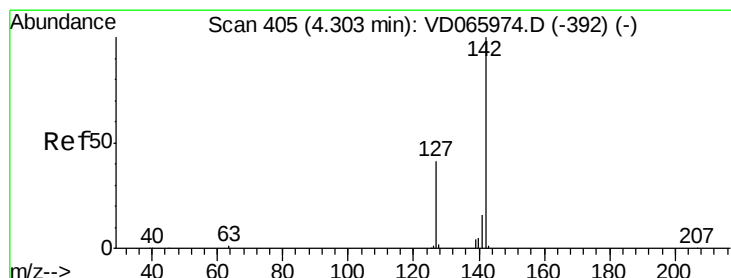
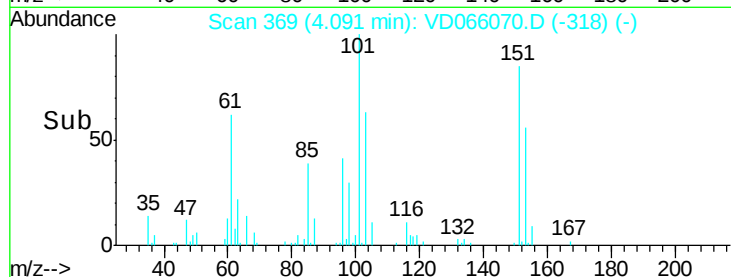
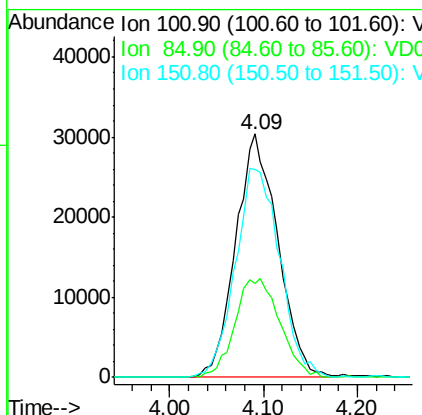
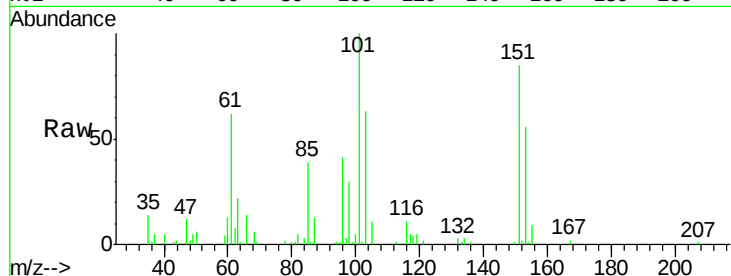
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	94422
Ion Ratio	Lower	Upper	
101	100		
85	43.1	33.6	50.4
151	90.4	66.6	99.8

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#10

Methyl Iodide

Concen: 55.431 ug/l

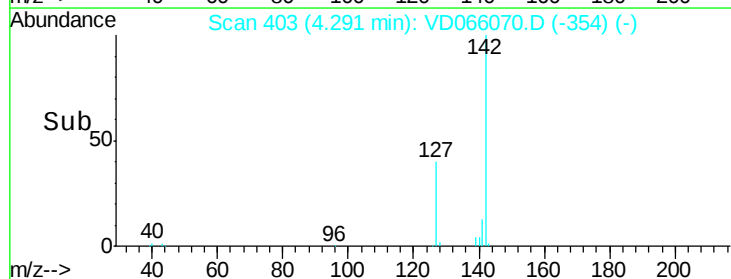
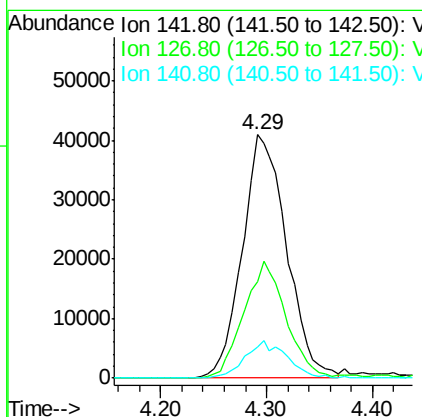
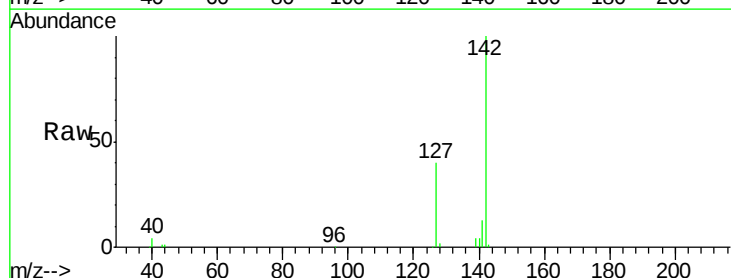
RT: 4.29 min Scan# 403

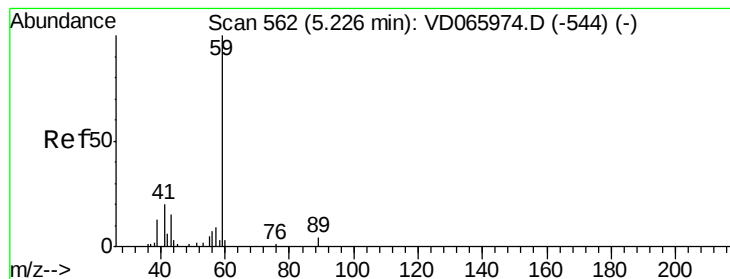
Delta R.T. -0.01 min

Lab File: VD066070.D

Acq: 27 Jul 2020 16:41

Tgt Ion:	142	Resp:	118912
Ion Ratio	Lower	Upper	
142	100		
127	46.0	32.9	49.3
141	14.4	11.8	17.6





#11

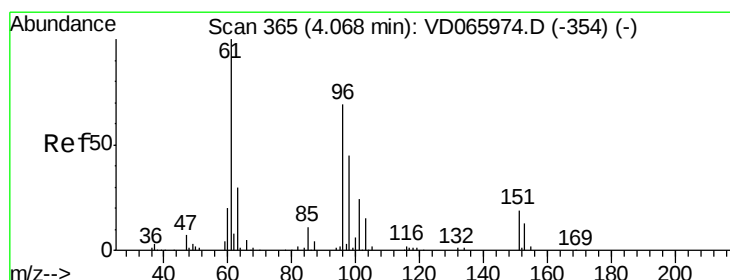
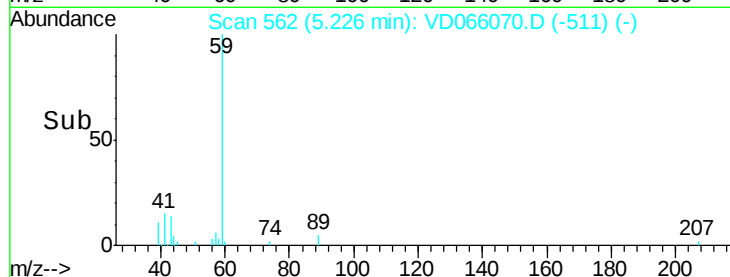
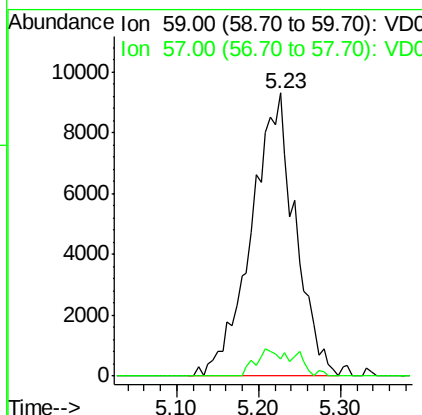
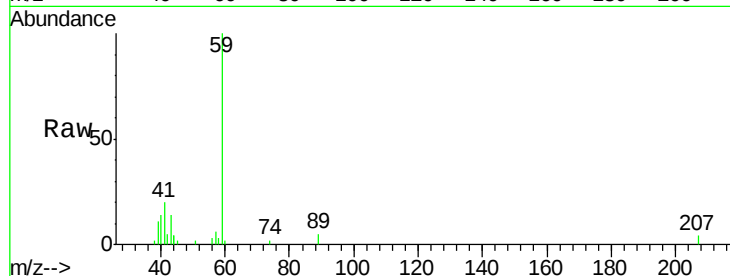
Tert butyl alcohol
 Concen: 286.954 ug/l
 RT: 5.23 min Scan# 562
 Delta R.T. 0.00 min
 Lab File: VD066070.D
 Acq: 27 Jul 2020 16:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 59 Resp: 34783
 Ion Ratio Lower Upper
 59 100
 57 6.2 4.5 6.7

Manual Integrations
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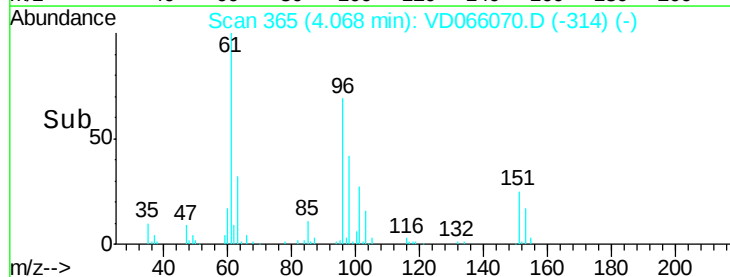
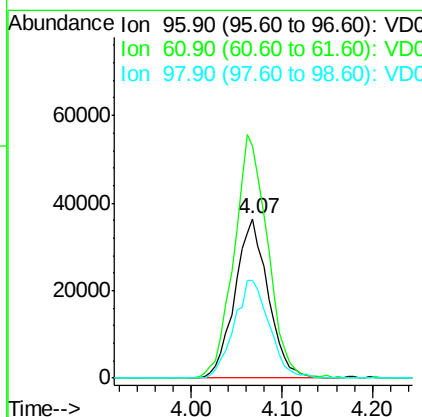
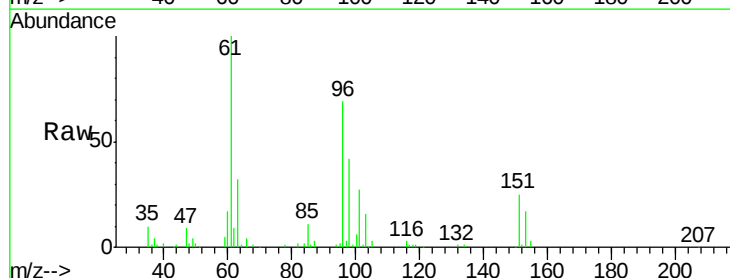
MMDadoda
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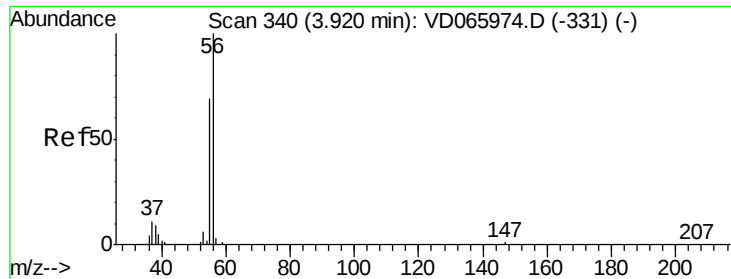


#12

1,1-Dichloroethene
 Concen: 46.898 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VD066070.D
 Acq: 27 Jul 2020 16:41

Tgt Ion: 96 Resp: 93116
 Ion Ratio Lower Upper
 96 100
 61 145.7 115.4 173.0
 98 61.5 51.5 77.3





#13

Acrolein

Concen: 225.501 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD066070.D

Acq: 27 Jul 2020 16:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 37124

Ion Ratio Lower Upper

56 100

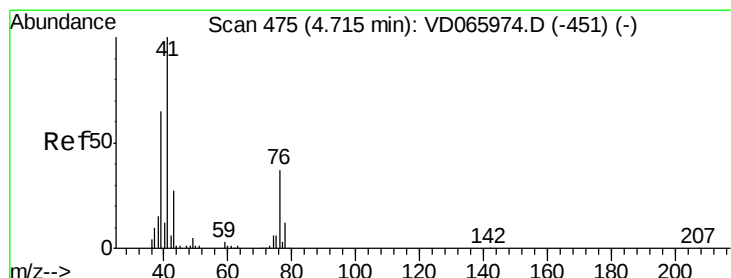
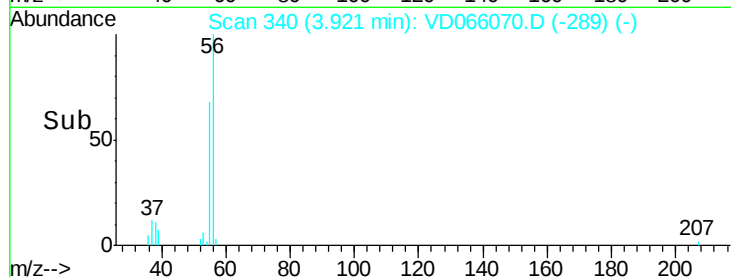
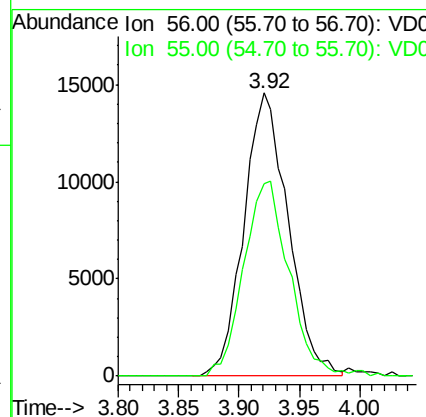
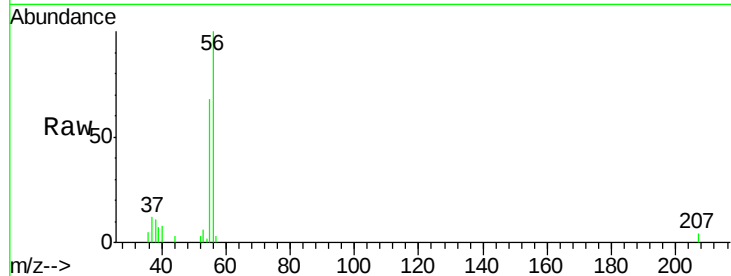
55 70.8 55.8 83.8

Manual Integrations

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#14

Allyl chloride

Concen: 47.737 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD066070.D

Acq: 27 Jul 2020 16:41

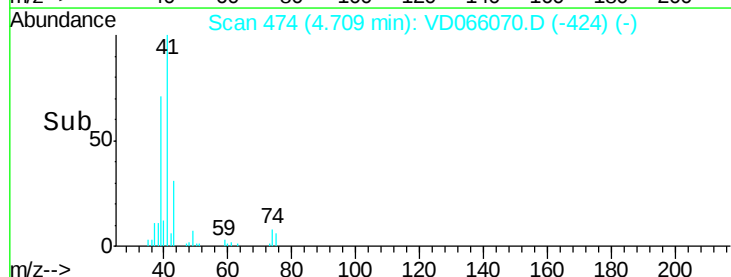
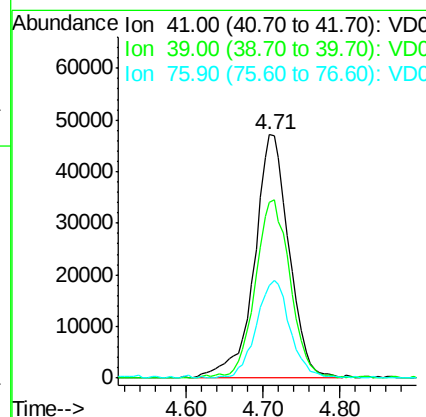
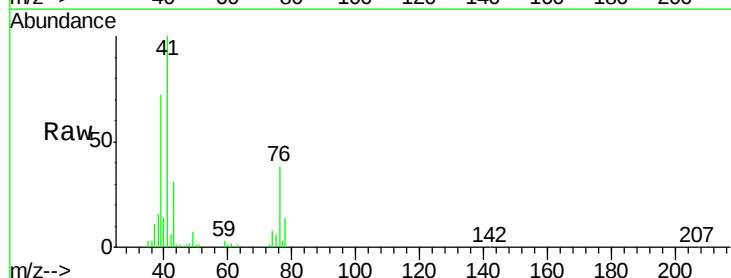
Tgt Ion: 41 Resp: 148160

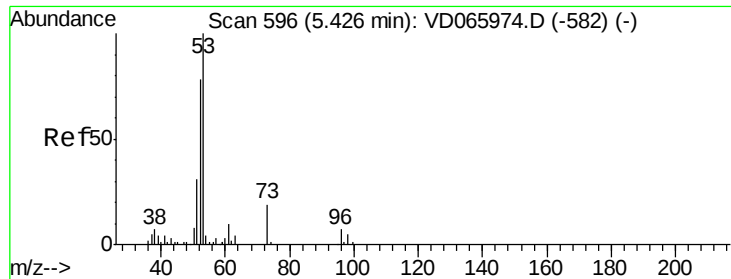
Ion Ratio Lower Upper

41 100

39 73.9 53.4 80.2

76 39.4 29.1 43.7





#15

Acrylonitrile

Concen: 268.422 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD066070.D

Acq: 27 Jul 2020 16:41

Instrument :

MSVOA_D

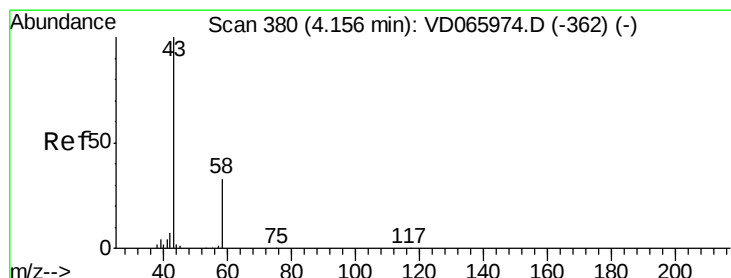
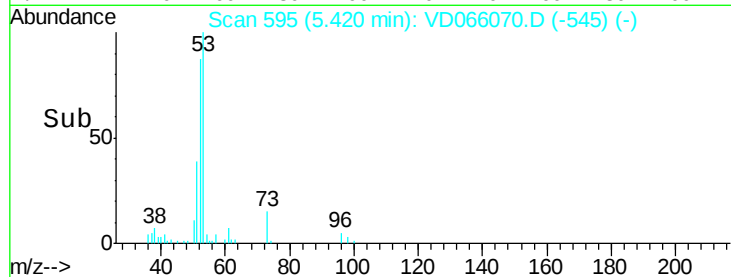
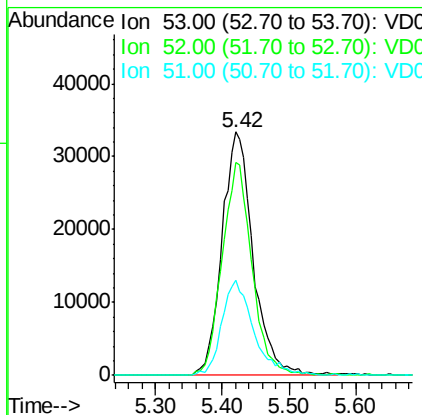
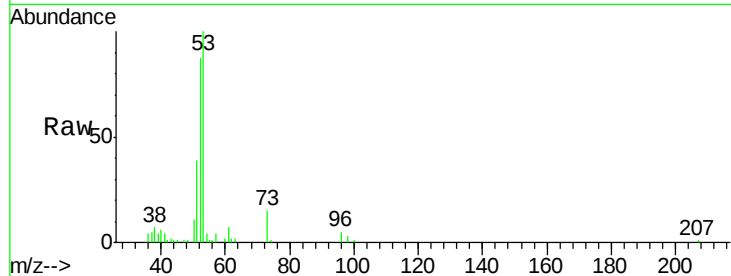
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	109194
Ion	Ratio	Lower	Upper
53	100		
52	83.9	67.1	100.7
51	39.8	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 233.893 ug/l

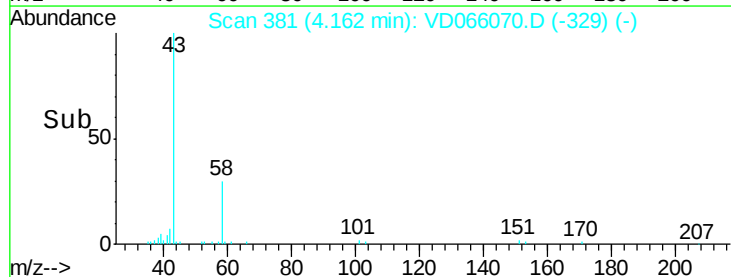
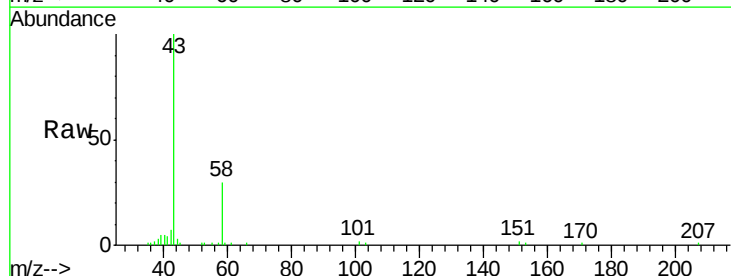
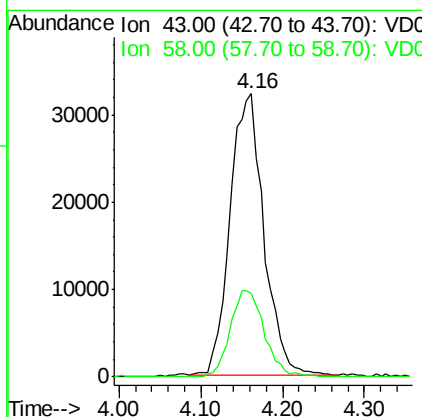
RT: 4.16 min Scan# 381

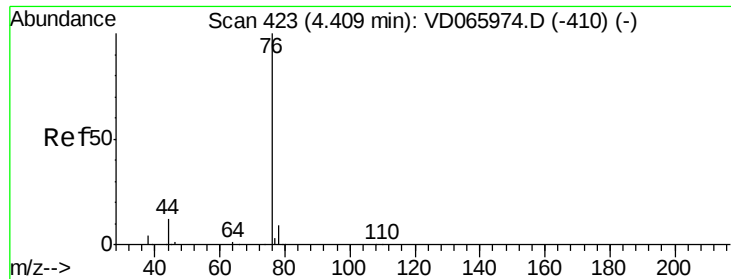
Delta R.T. 0.01 min

Lab File: VD066070.D

Acq: 27 Jul 2020 16:41

Tgt Ion:	43	Resp:	92509
Ion	Ratio	Lower	Upper
43	100		
58	29.7	26.3	39.5





#17

Carbon Disulfide

Concen: 43.899 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD066070.D

Acq: 27 Jul 2020 16:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 282731

Ion Ratio Lower Upper

76 100

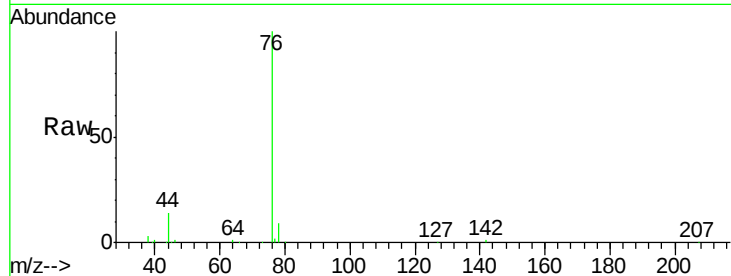
78 9.3 7.4 11.2

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.41

100000

80000

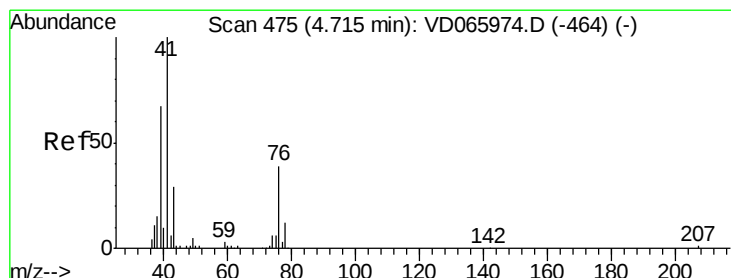
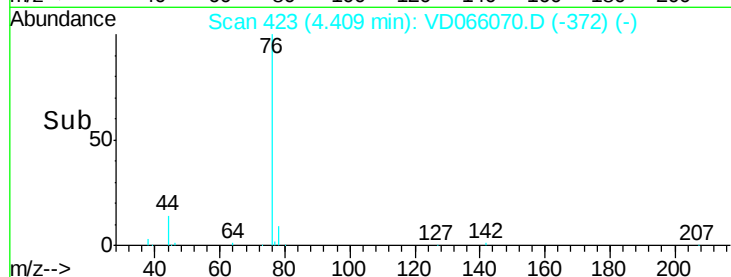
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 51.648 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD066070.D

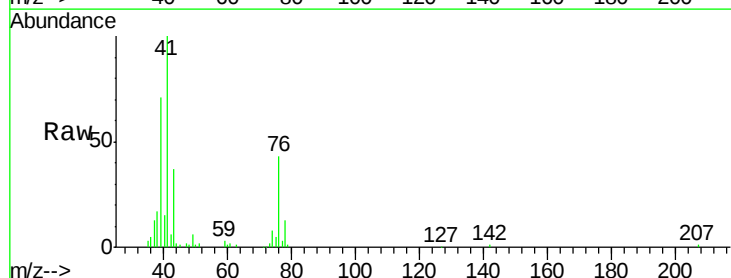
Acq: 27 Jul 2020 16:41

Tgt Ion: 43 Resp: 47521

Ion Ratio Lower Upper

43 100

74 24.8 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.72

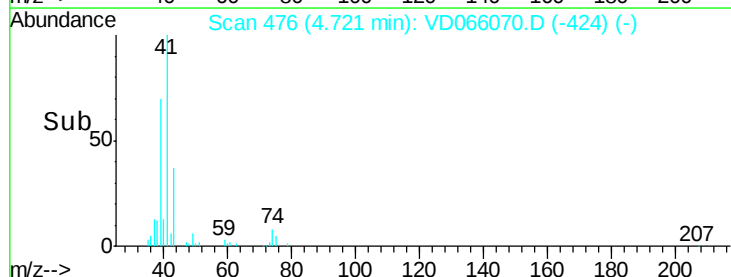
15000

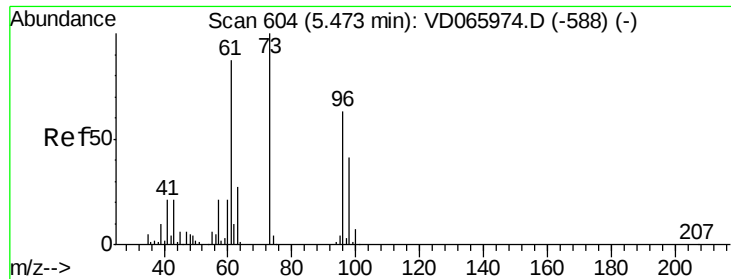
10000

5000

0

Time-->





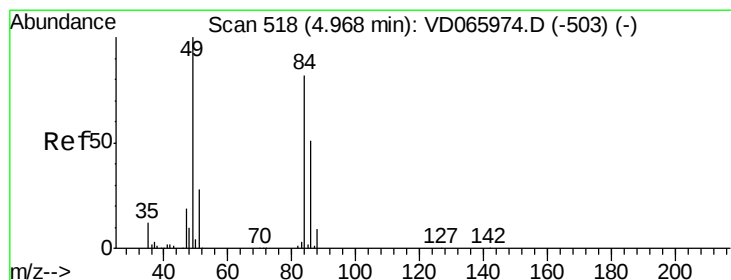
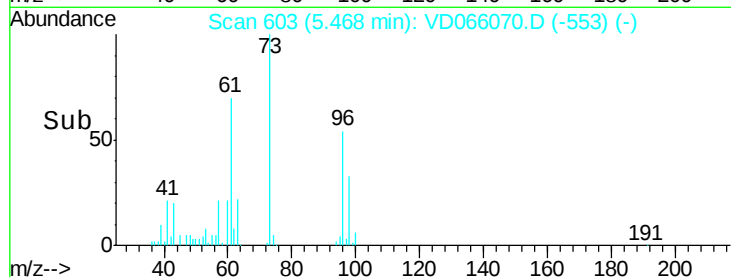
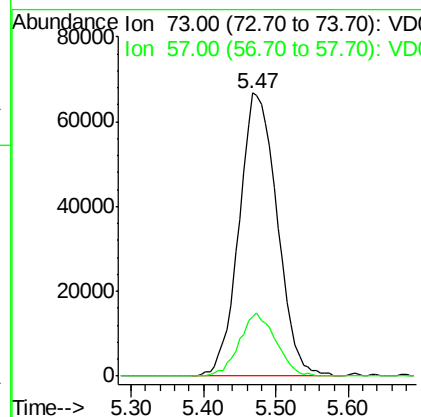
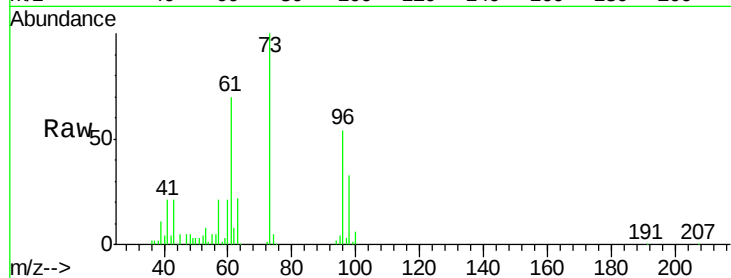
#19
Methyl tert-butyl Ether
Concen: 59.585 ug/l
RT: 5.47 min Scan# 603
Delta R.T. -0.01 min
Lab File: VD066070.D
Acq: 27 Jul 2020 16:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 243073
Ion Ratio Lower Upper
73 100
57 20.8 17.0 25.4

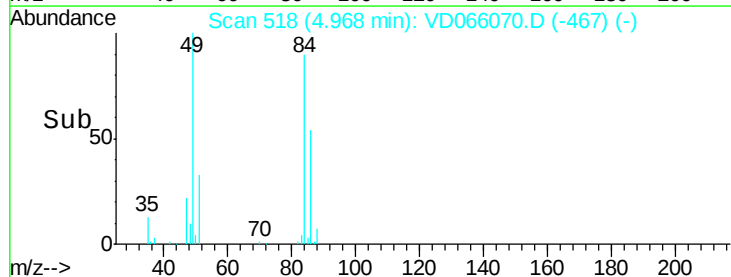
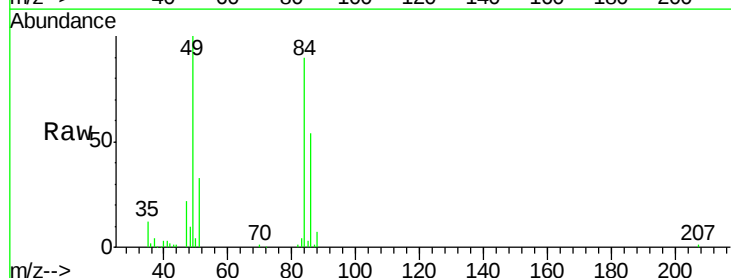
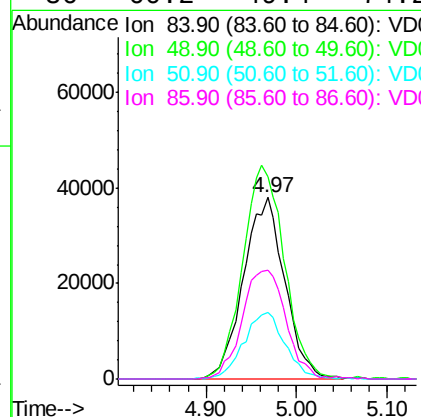
Manual Integrations
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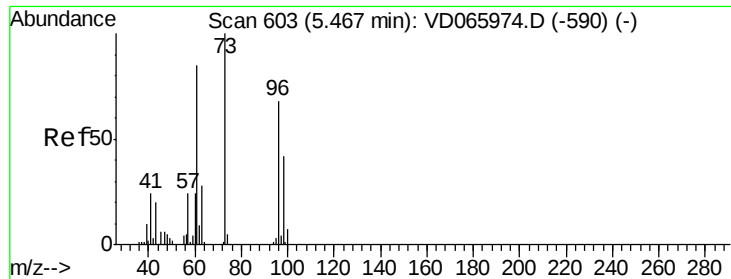
MMDadoda
7/28/2020 1:44:10 PM



#20
Methylene Chloride
Concen: 55.383 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD066070.D
Acq: 27 Jul 2020 16:41

Tgt Ion: 84 Resp: 120424
Ion Ratio Lower Upper
84 100
49 111.5 97.7 146.5
51 36.4 27.4 41.2
86 60.2 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 50.756 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD066070.D

Acq: 27 Jul 2020 16:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 113898

Ion Ratio Lower Upper

96 100

61 128.9 100.5 150.7

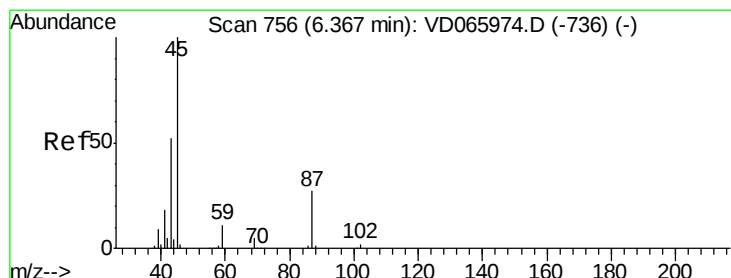
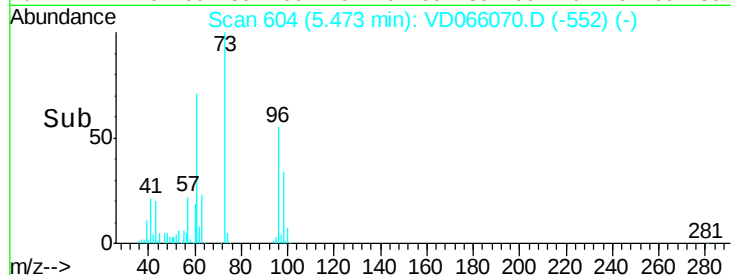
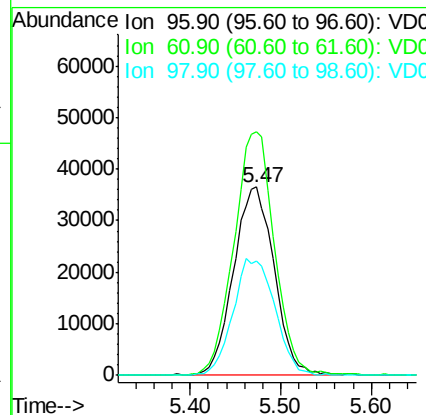
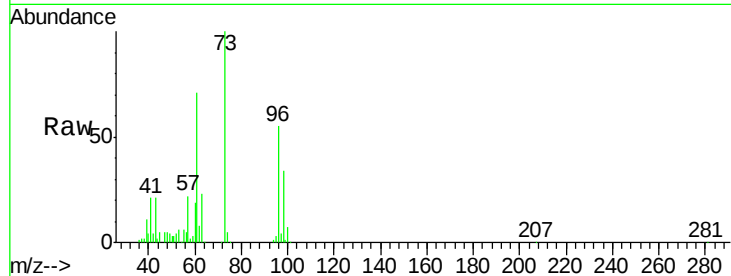
98 61.2 49.7 74.5

Manual Integrations

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#22

Diisopropyl ether

Concen: 53.264 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD066070.D

Acq: 27 Jul 2020 16:41

Tgt Ion: 45 Resp: 314072

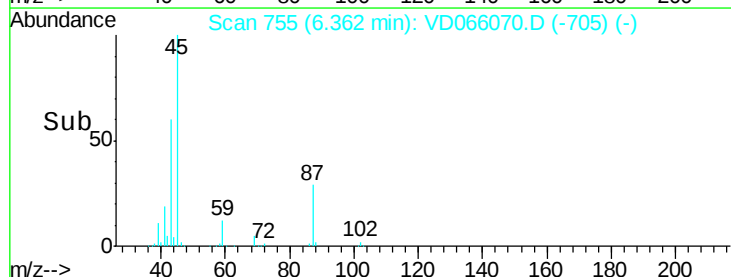
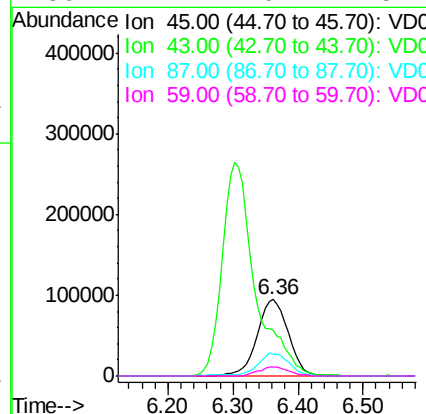
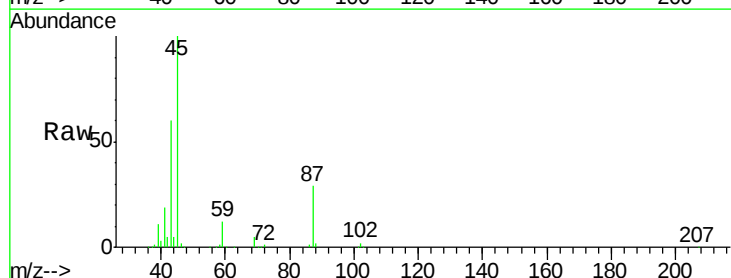
Ion Ratio Lower Upper

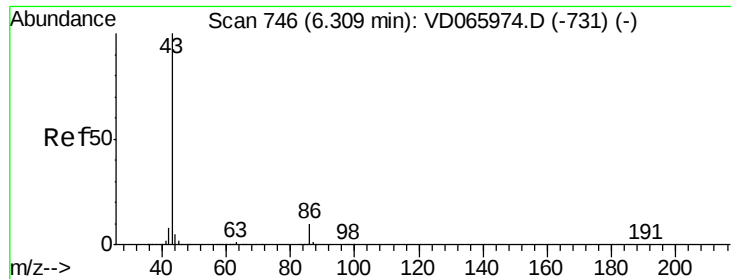
45 100

43 59.2 43.0 64.4

87 28.5 22.0 33.0

59 12.2 9.1 13.7





#23

Vinyl Acetate

Concen: 278.295 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD066070.D

Acq: 27 Jul 2020 16:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 925451

Ion Ratio Lower Upper

43 100

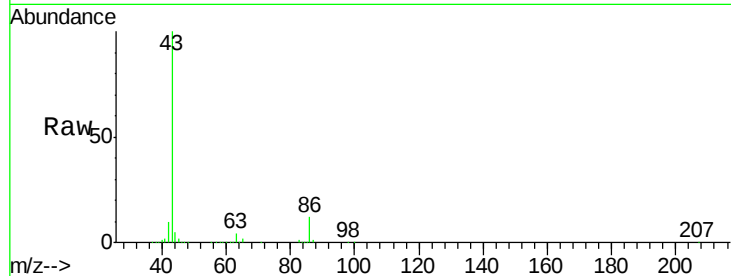
86 11.9 7.9 11.9

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.30

300000

250000

200000

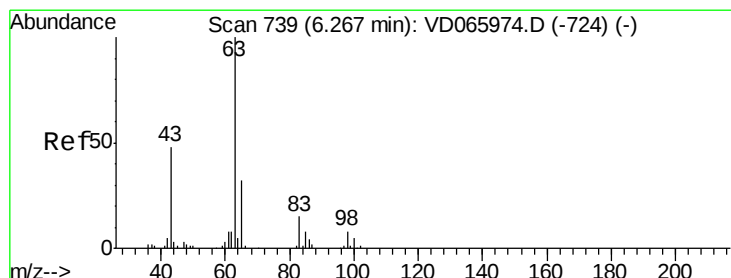
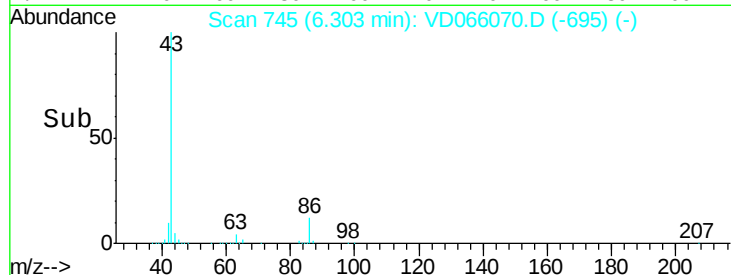
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 53.741 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD066070.D

Acq: 27 Jul 2020 16:41

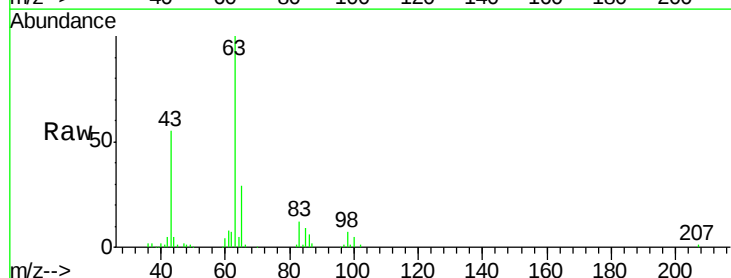
Tgt Ion: 63 Resp: 192004

Ion Ratio Lower Upper

63 100

98 7.1 4.3 12.8

100 4.7 2.5 7.5



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.27

80000

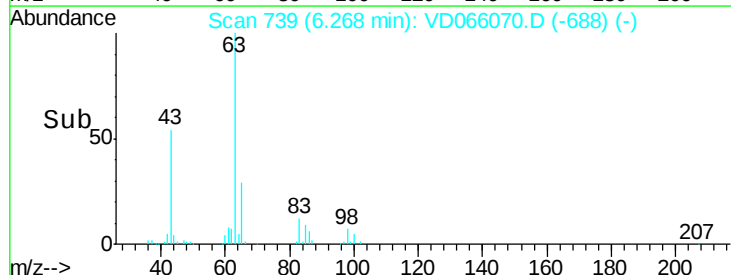
60000

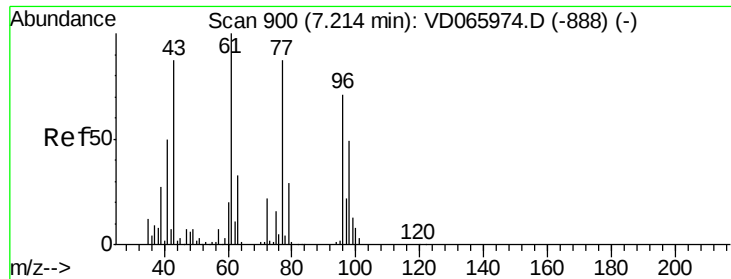
40000

20000

0

Time-->





#25

2-Butanone

Concen: 257.843 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD066070.D

Acq: 27 Jul 2020 16:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 135321

Ion Ratio Lower Upper

43 100

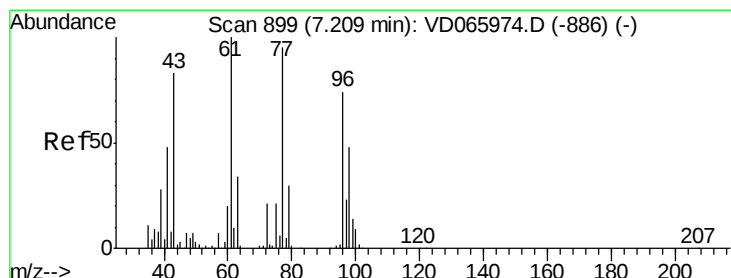
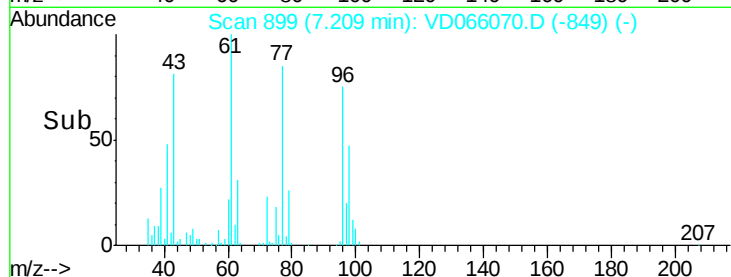
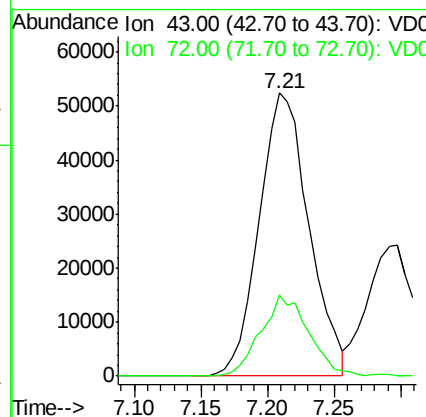
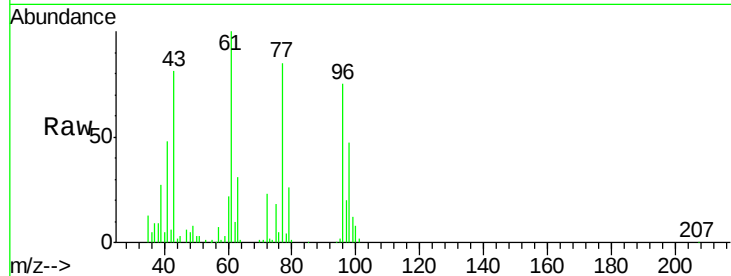
72 28.5 20.2 30.2

Manual Integrations

APPROVED

MMDadoda

7/28/2020 1:44:10 PM



#26

2,2-Dichloropropane

Concen: 50.630 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066070.D

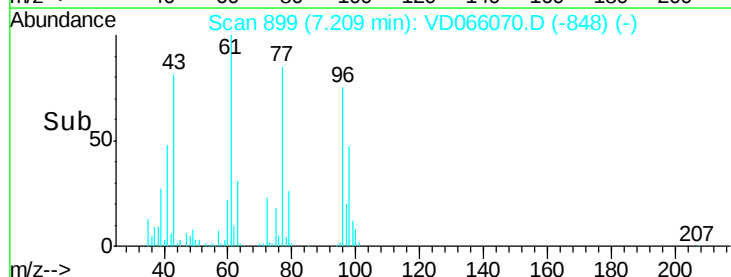
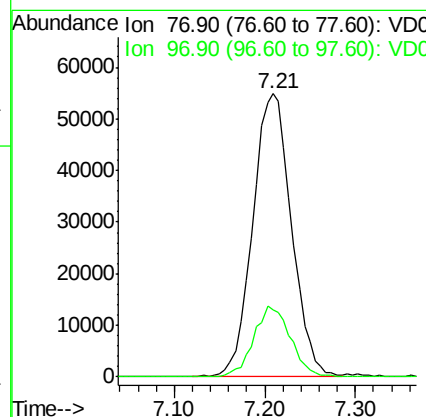
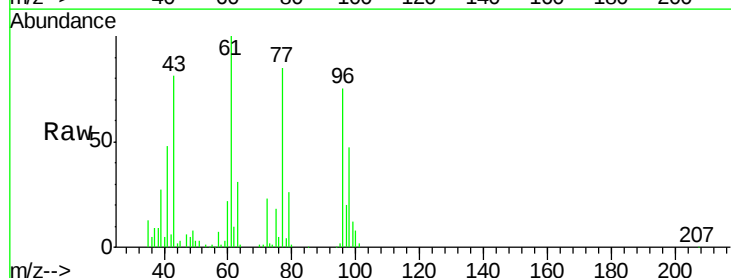
Acq: 27 Jul 2020 16:41

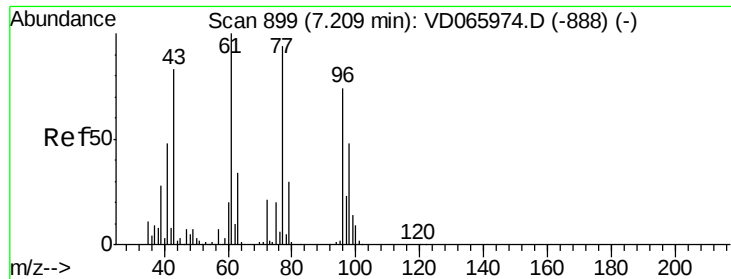
Tgt Ion: 77 Resp: 162665

Ion Ratio Lower Upper

77 100

97 23.6 11.6 34.7





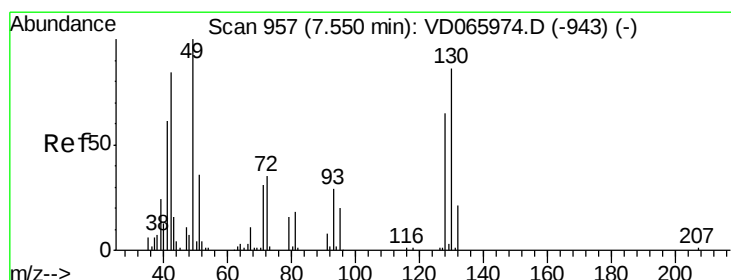
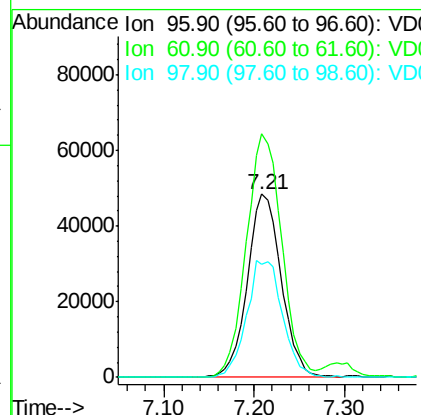
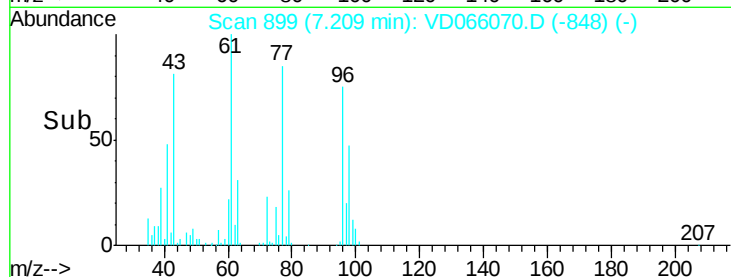
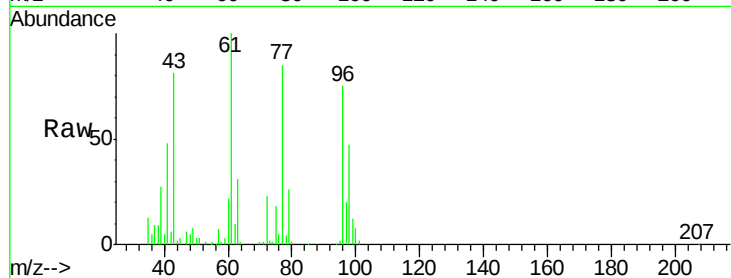
#27
 cis-1,2-Dichloroethene
 Concen: 53.001 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VD066070.D
 Acq: 27 Jul 2020 16:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	125928		
61	138.6	0.0	276.6	
98	67.1	0.0	130.8	

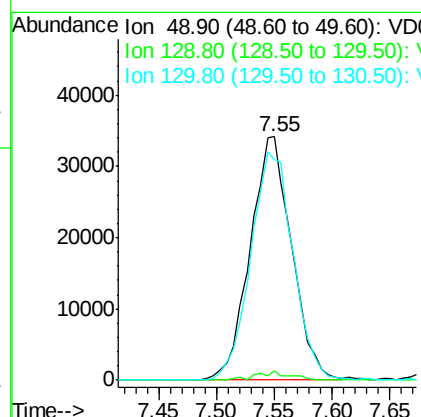
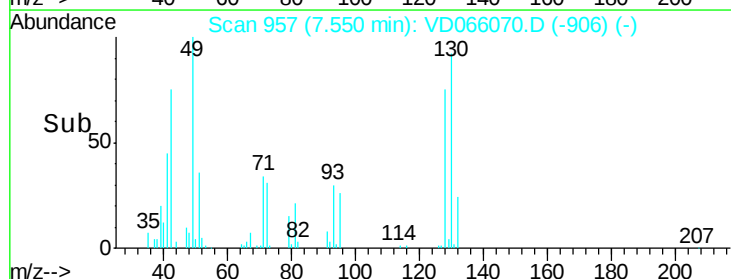
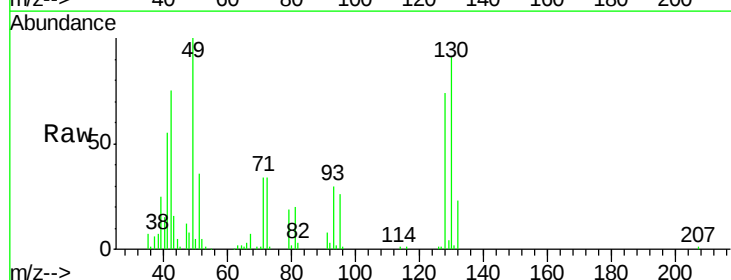
Manual Integrations
 APPROVED

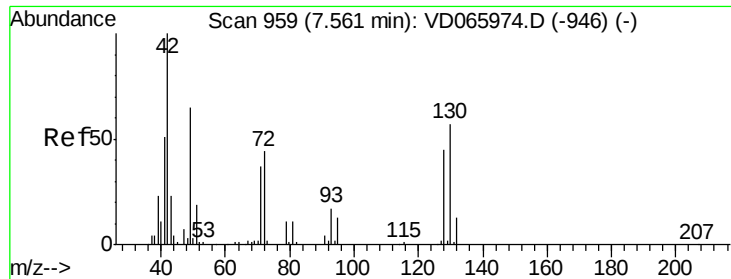
MMDadoda
 7/28/2020 1:44:10 PM



#28
 Bromochloromethane
 Concen: 56.381 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD066070.D
 Acq: 27 Jul 2020 16:41

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	85495		
129	2.9	0.0	4.8	
130	96.0	68.4	102.6	





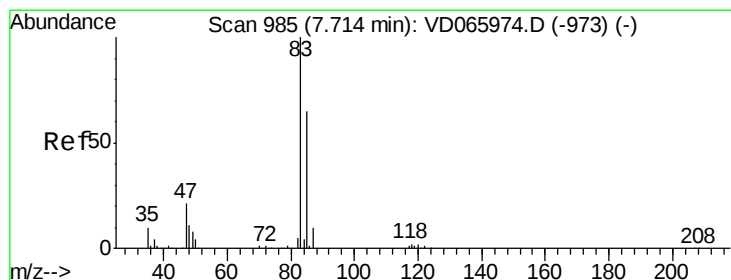
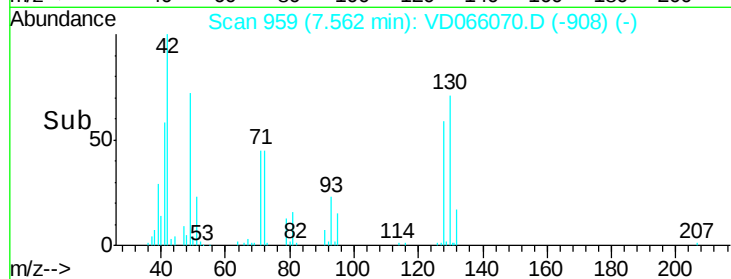
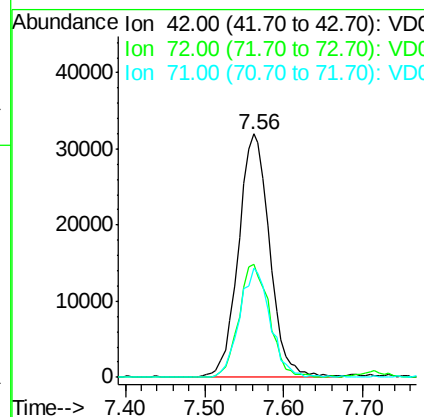
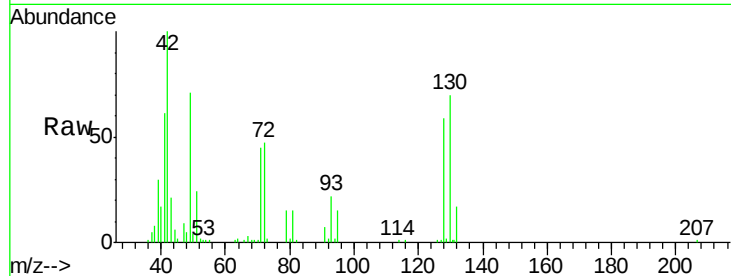
#29
Tetrahydrofuran
Concen: 269.814 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD066070.D
Acq: 27 Jul 2020 16:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.2	34.2	51.2
71	43.9	31.4	47.2

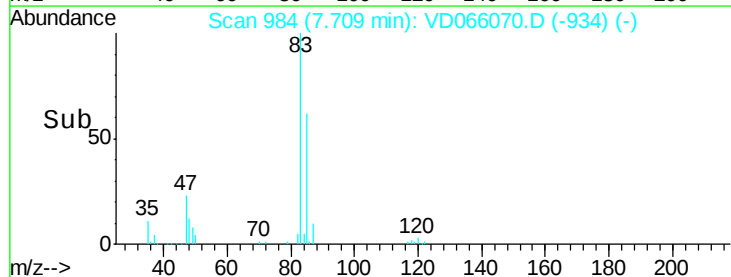
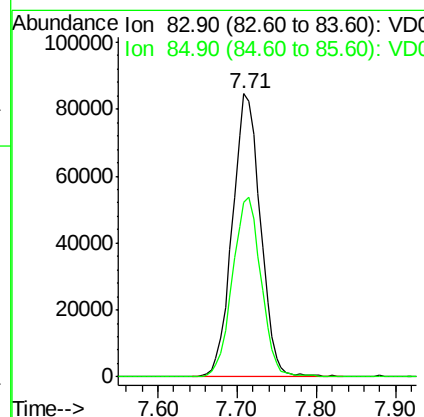
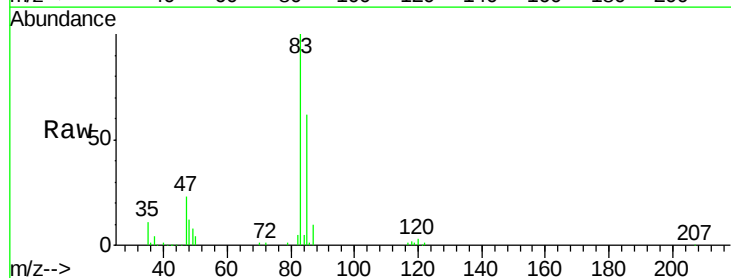
Manual Integrations
APPROVED

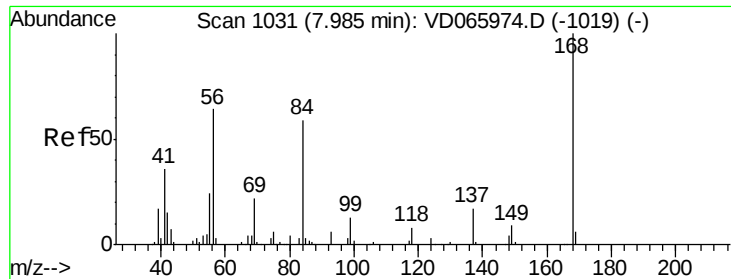
MMDadoda
7/28/2020 1:44:10 PM



#30
Chloroform
Concen: 55.472 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD066070.D
Acq: 27 Jul 2020 16:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.8	52.1	78.1





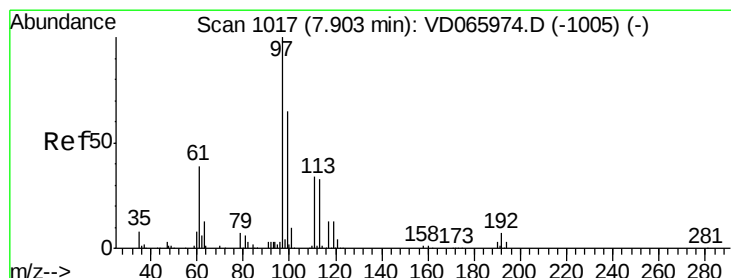
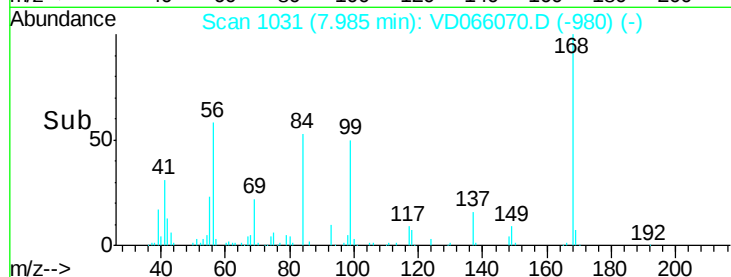
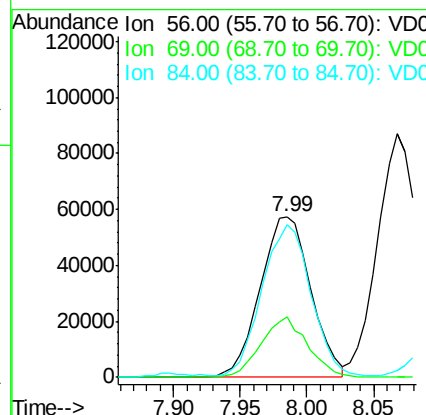
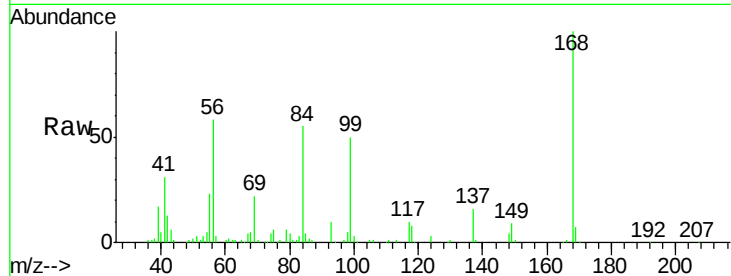
#31
Cyclohexane
Concen: 42.923 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD066070.D
Acq: 27 Jul 2020 16:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.4	28.0	42.0
84	93.4	72.6	109.0

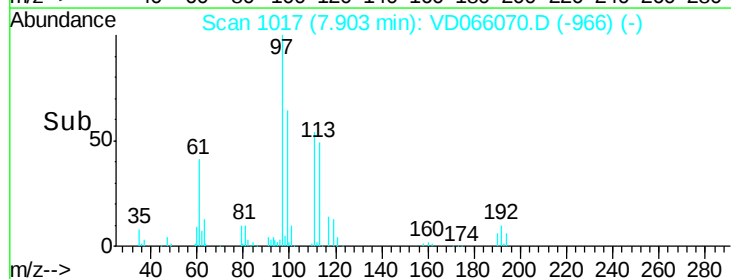
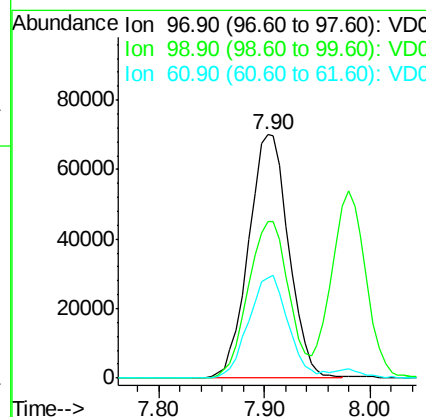
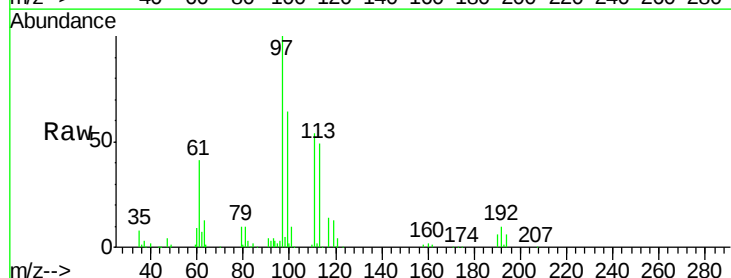
Manual Integrations
APPROVED

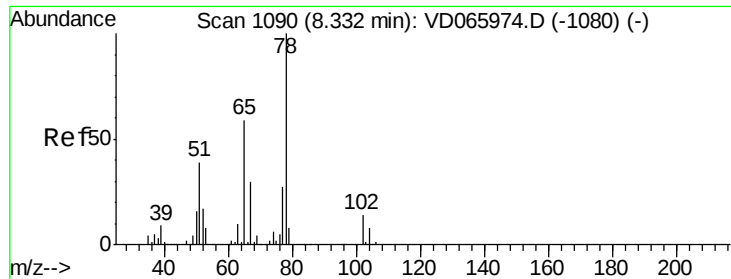
MMDadoda
7/28/2020 1:44:10 PM



#32
1,1,1-Trichloroethane
Concen: 53.426 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD066070.D
Acq: 27 Jul 2020 16:41

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.7	51.8	77.6
61	41.1	33.3	49.9





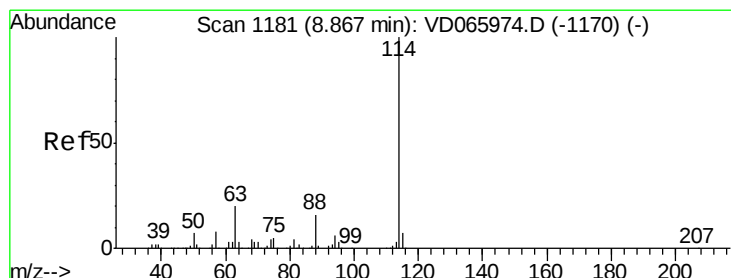
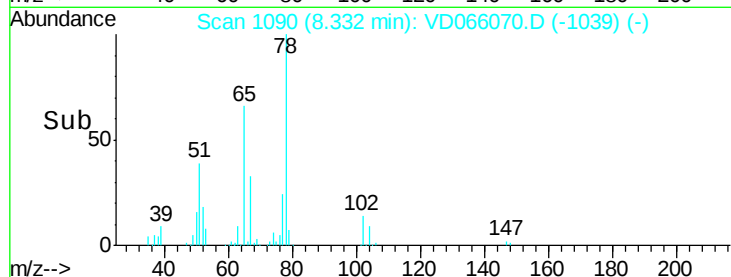
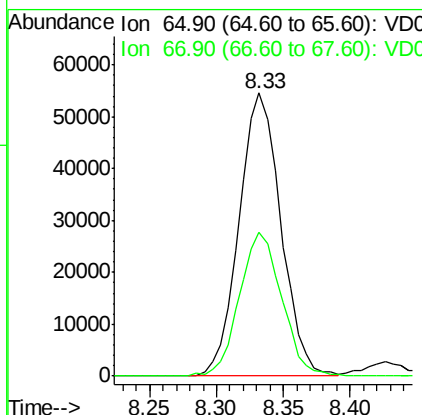
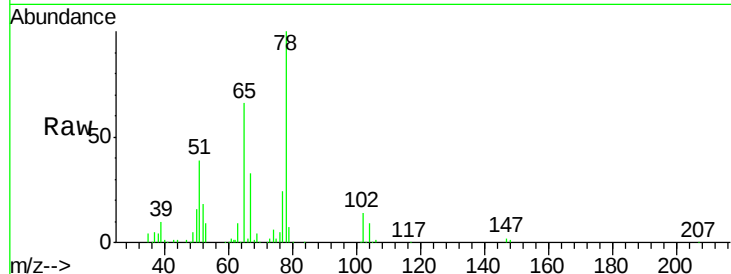
#33
 1,2-Dichloroethane-d4
 Concen: 60.670 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD066070.D
 Acq: 27 Jul 2020 16:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	118549		
67	51.3	0.0	105.0	

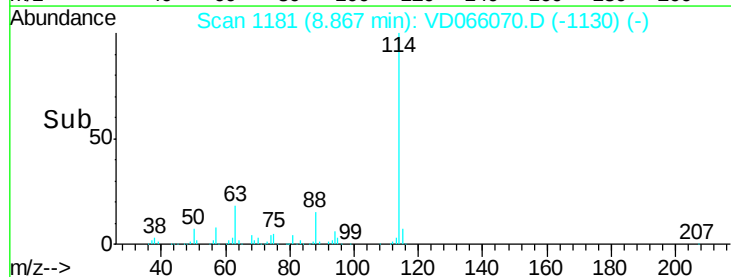
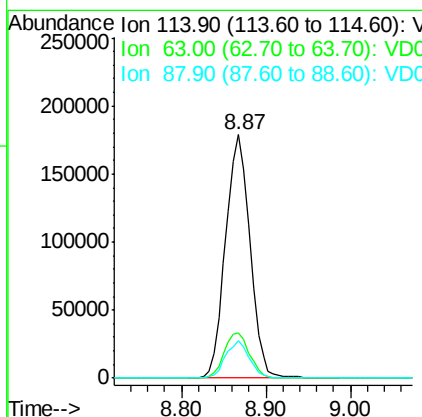
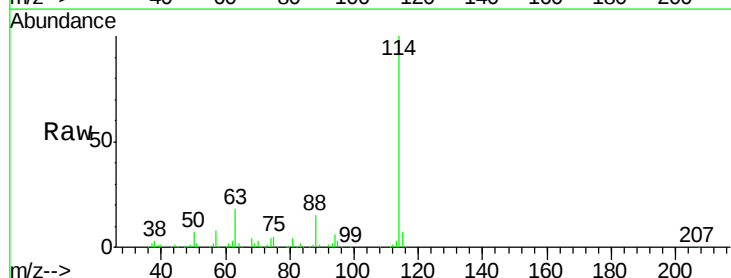
Manual Integrations
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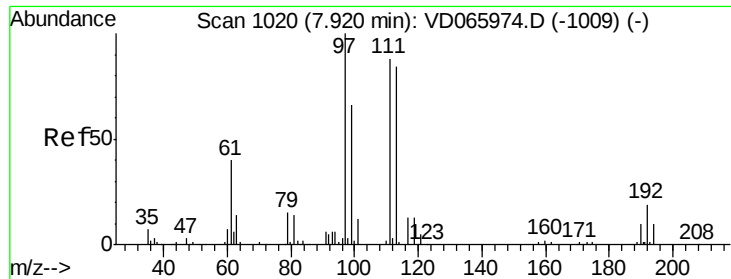
MMDadoda
 7/28/2020 1:44:10 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD066070.D
 Acq: 27 Jul 2020 16:41

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	357574		
63	18.5	0.0	39.6	
88	15.2	0.0	31.2	





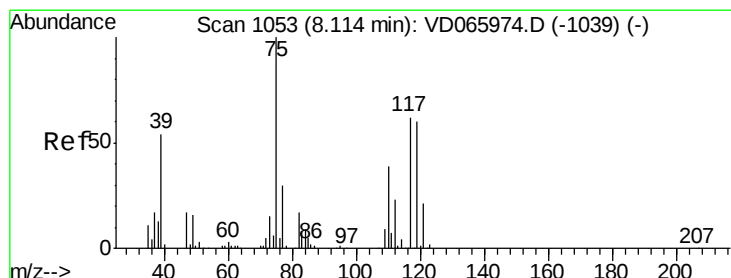
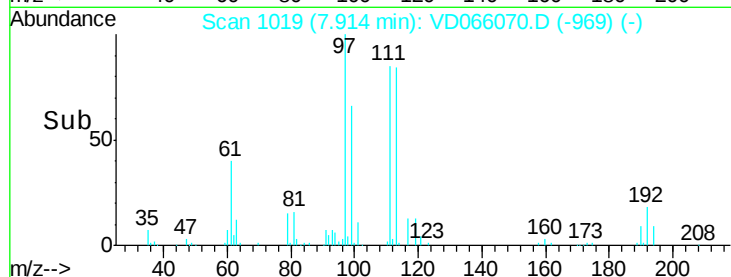
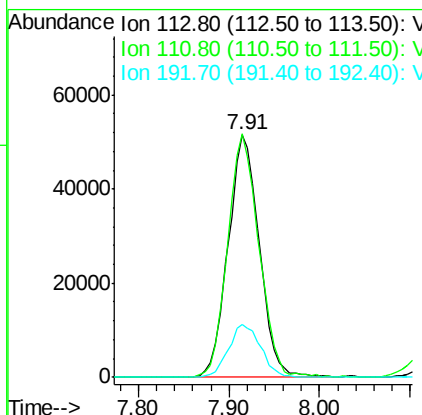
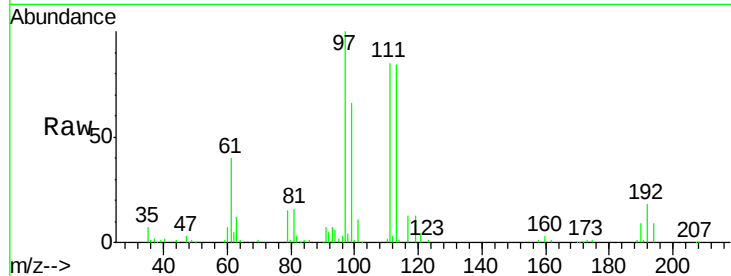
#35
 Dibromofluoromethane
 Concen: 56.844 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD066070.D
 Acq: 27 Jul 2020 16:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	123284		
111	100.5	83.2	124.8	
192	22.3	18.7	28.1	

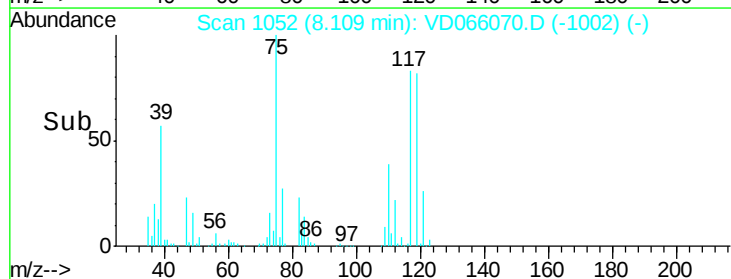
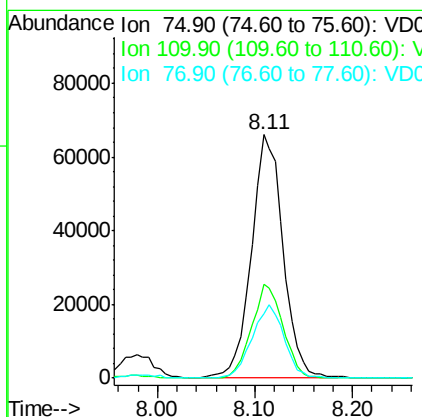
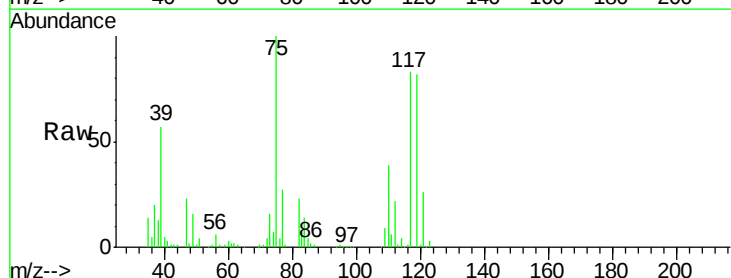
Manual Integrations
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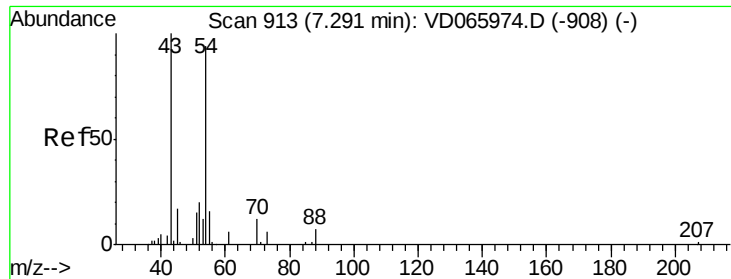
MMDadoda
 7/28/2020 1:44:10 PM



#36
 1,1-Dichloropropene
 Concen: 48.605 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD066070.D
 Acq: 27 Jul 2020 16:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	148328		
110	38.7	19.5	58.5	
77	30.9	24.7	37.1	





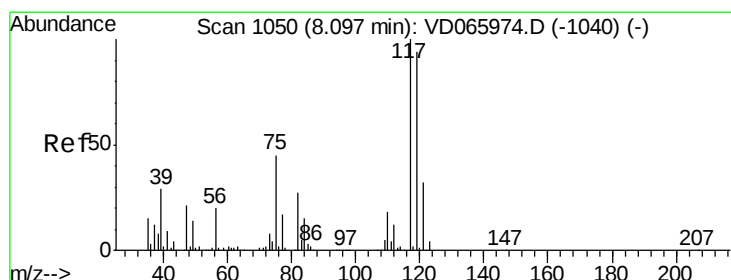
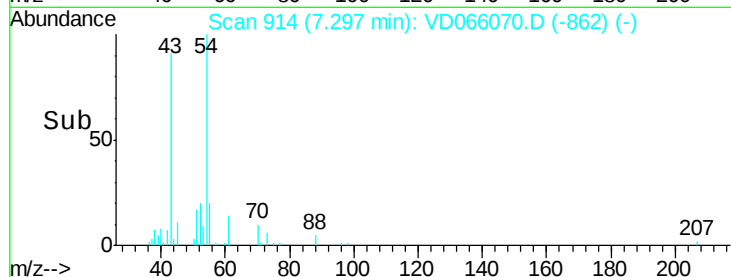
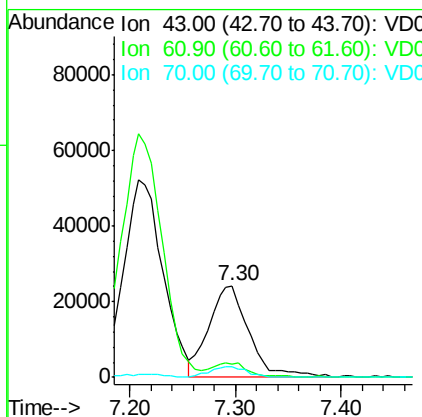
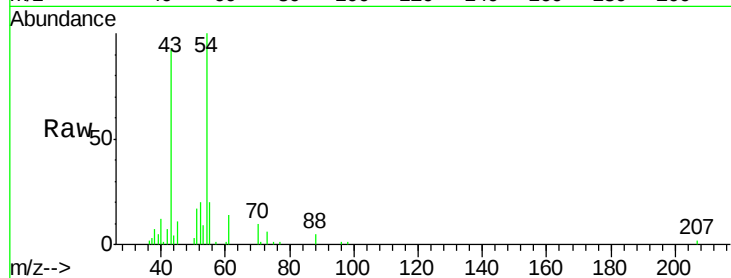
#37
Ethyl Acetate
Concen: 53.838 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD066070.D
Acq: 27 Jul 2020 16:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.3	11.4	17.0
70	10.8	9.3	13.9

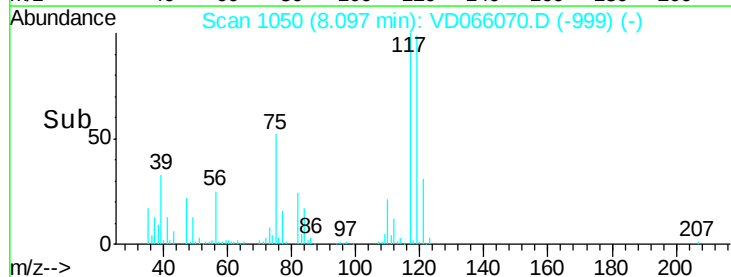
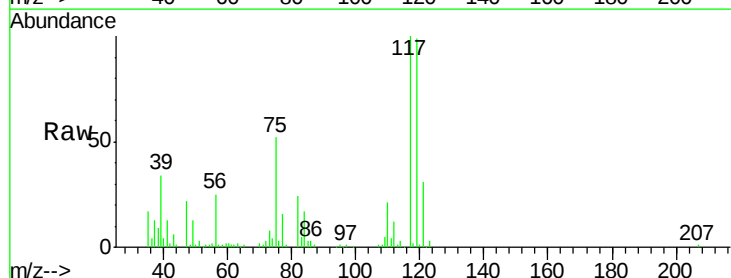
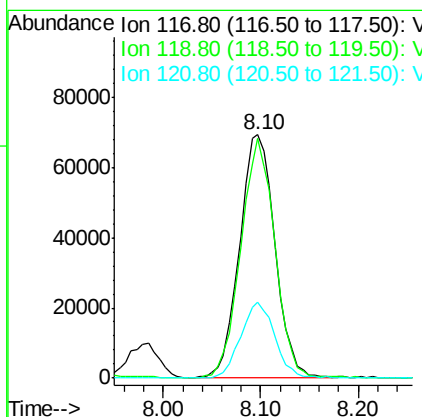
Manual Integrations
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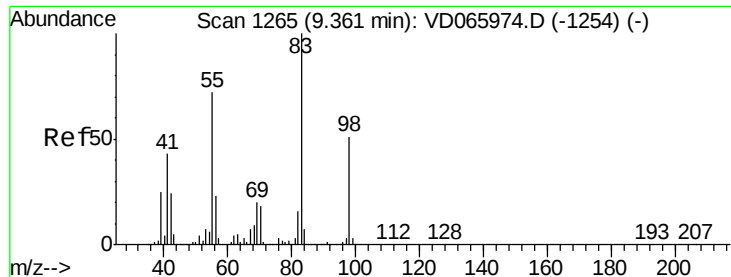
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#38
Carbon Tetrachloride
Concen: 52.505 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD066070.D
Acq: 27 Jul 2020 16:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.0	75.0	112.6
121	31.5	25.5	38.3





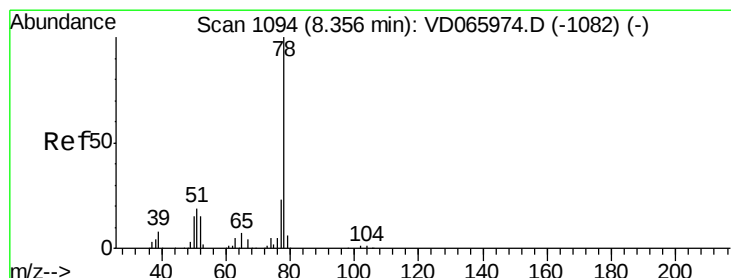
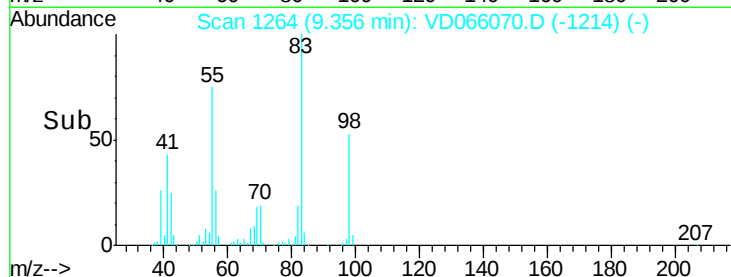
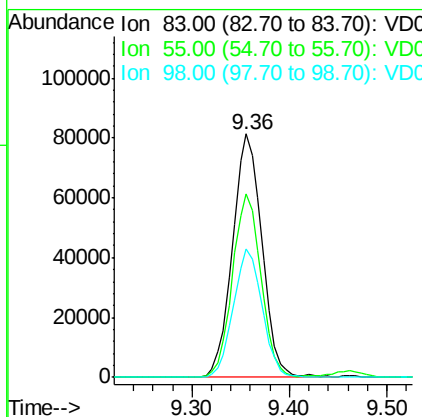
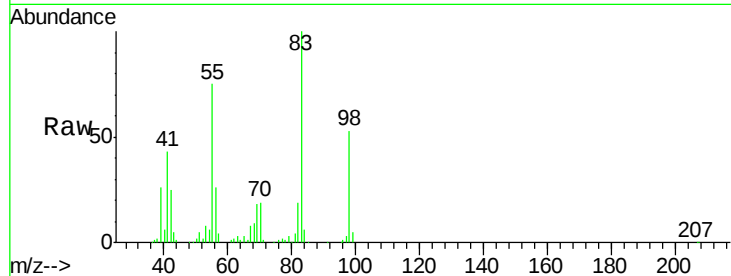
#39
Methvlcvclohexane
Concen: 46.145 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD066070.D
Acq: 27 Jul 2020 16:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	170535		
55	75.4		57.3	85.9
98	52.7		41.0	61.6

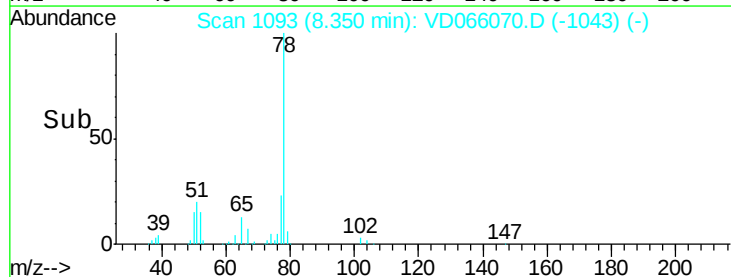
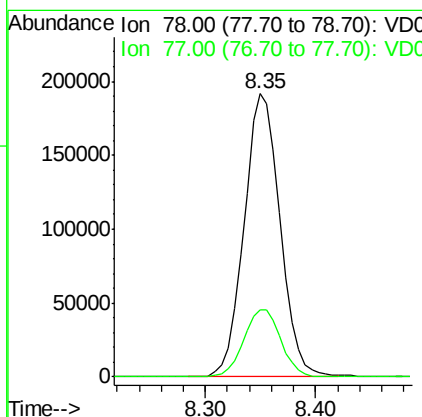
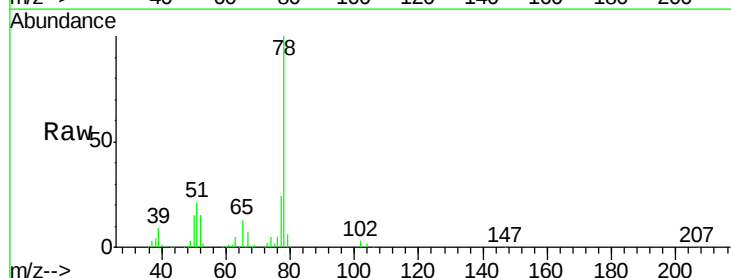
Manual Integrations
APPROVED

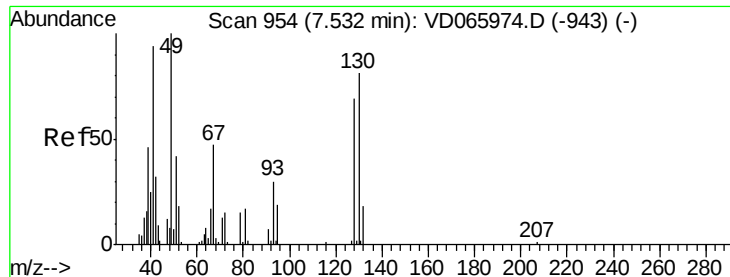
MMDadoda
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#40
Benzene
Concen: 51.369 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD066070.D
Acq: 27 Jul 2020 16:41

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	438572		
77	23.5		18.6	27.8





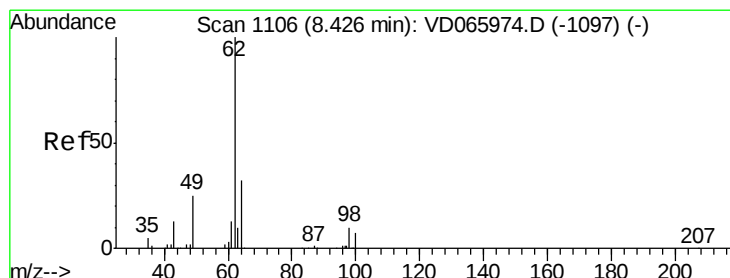
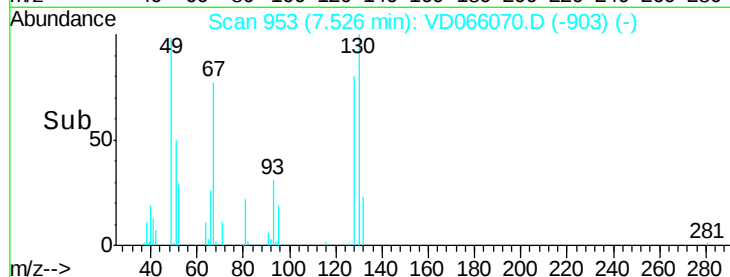
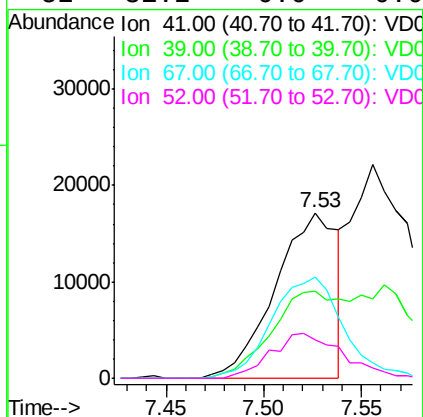
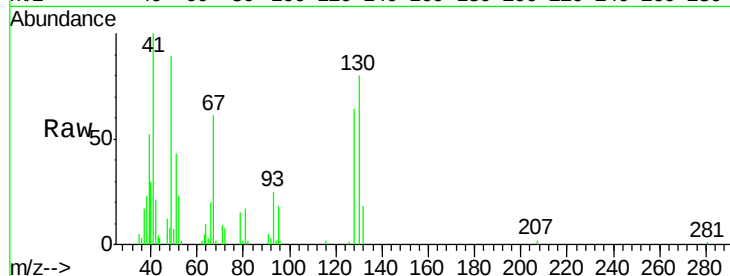
#41
Methacrylonitrile
Concen: 56.836 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD066070.D
Acq: 27 Jul 2020 16:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	62.9	0.0	0.0	#
67	70.4	0.0	0.0	#
52	31.2	0.0	0.0	#

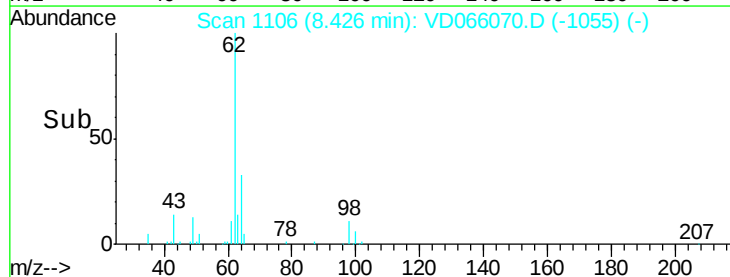
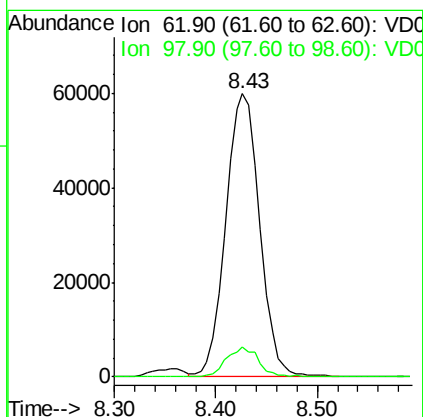
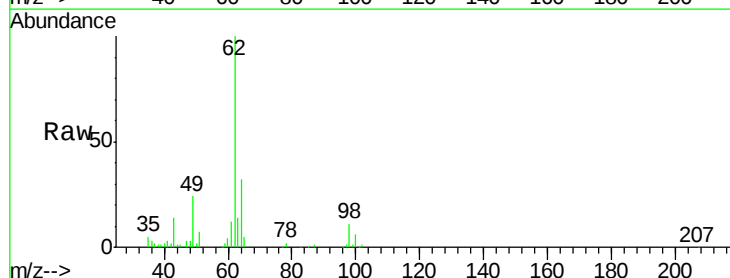
Manual Integrations
APPROVED

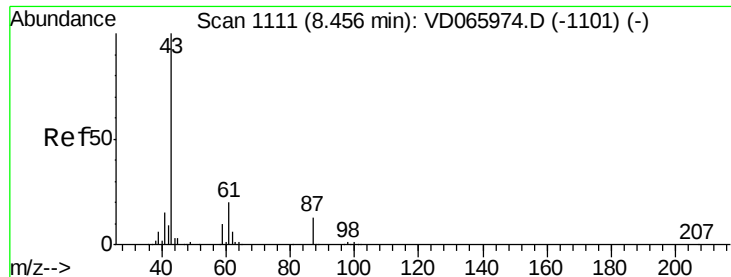
MMDadoda
7/28/2020 1:44:10 PM



#42
1,2-Dichloroethane
Concen: 59.290 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD066070.D
Acq: 27 Jul 2020 16:41

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.0	0.0	21.0	





#43

Isopropyl Acetate

Concen: 53.851 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD066070.D

Acq: 27 Jul 2020 16:41

Instrument :

MSVOA_D

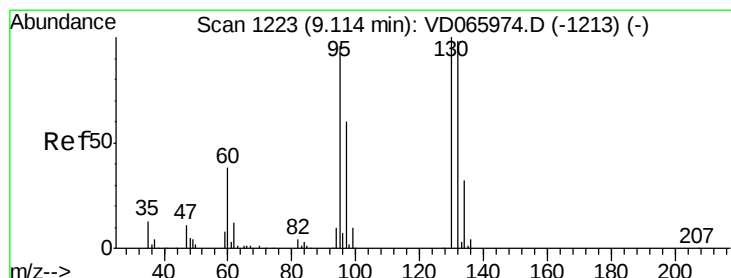
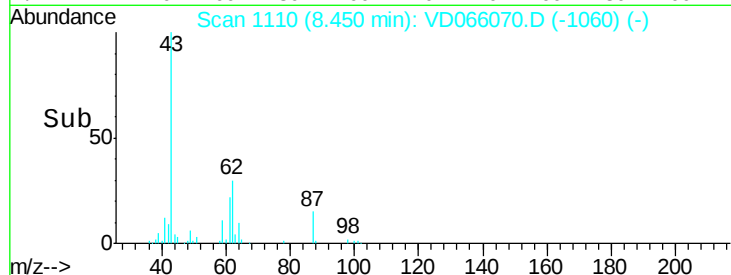
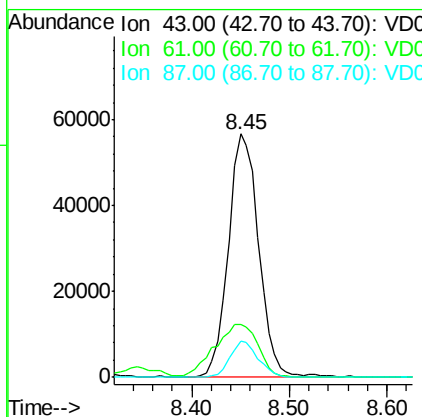
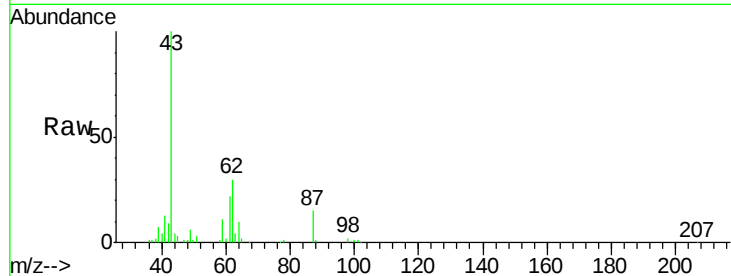
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	122580
Ion	Ratio	Lower	Upper
43	100		
61	31.5	25.8	38.8
87	13.9	10.9	16.3

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#44

Trichloroethene

Concen: 51.544 ug/l

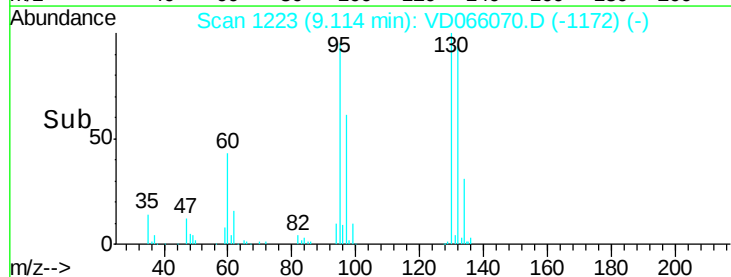
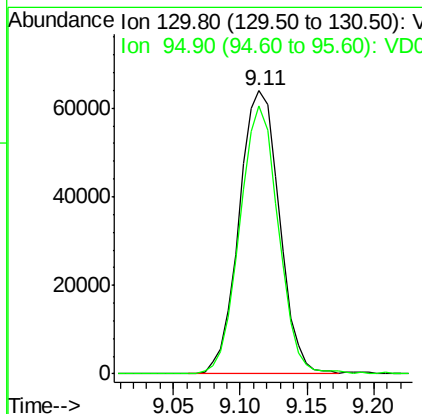
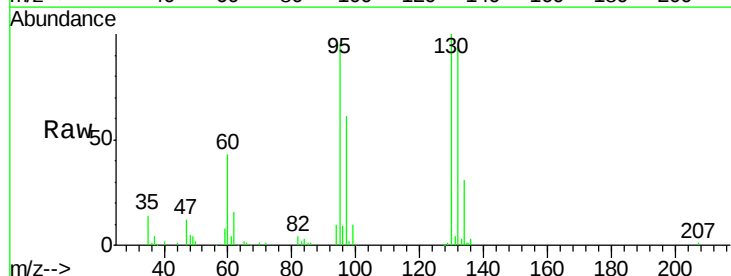
RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD066070.D

Acq: 27 Jul 2020 16:41

Tgt Ion:	130	Resp:	133170
Ion	Ratio	Lower	Upper
130	100		
95	94.7	0.0	191.6





#45

1,2-Dichloropropane

Concen: 51.765 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD066070.D

Acq: 27 Jul 2020 16:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 107038

Ion Ratio Lower Upper

63 100

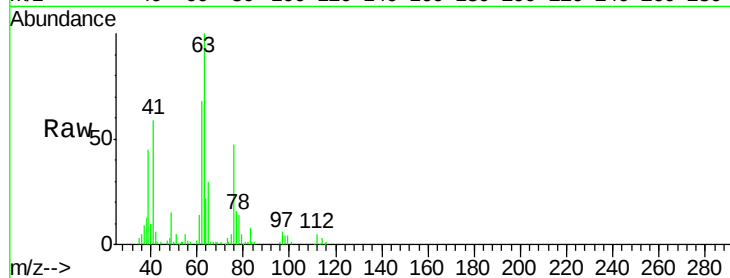
65 30.4 24.0 36.0

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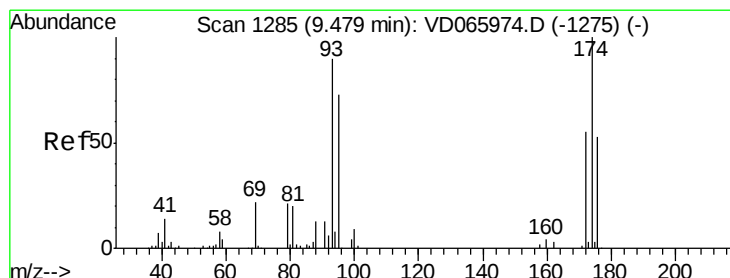
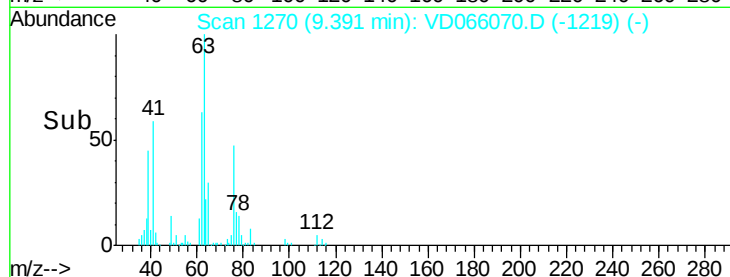
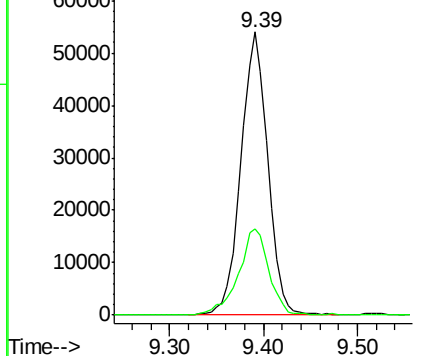
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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 55.226 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD066070.D

Acq: 27 Jul 2020 16:41

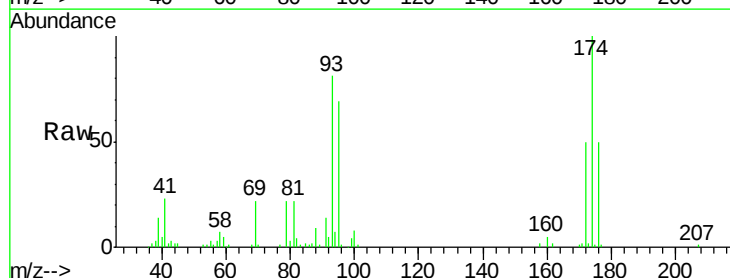
Tgt Ion: 93 Resp: 61474

Ion Ratio Lower Upper

93 100

95 82.1 66.2 99.4

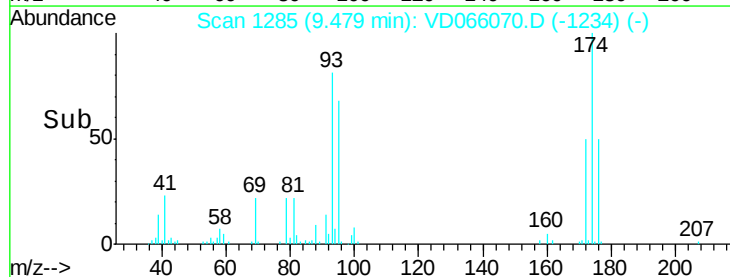
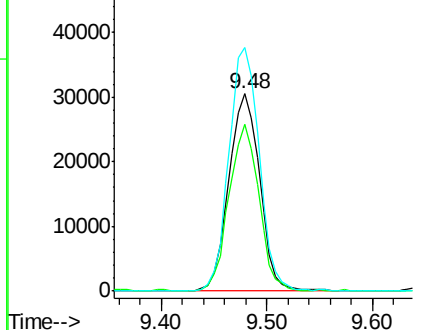
174 121.5 91.5 137.3

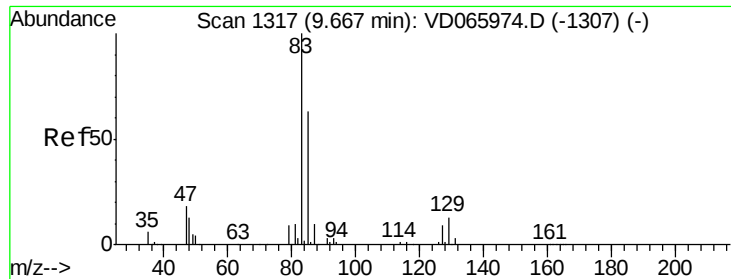


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC





#47

Bromodichloromethane

Concen: 55.175 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD066070.D

Acq: 27 Jul 2020 16:41

Instrument :

MSVOA_D

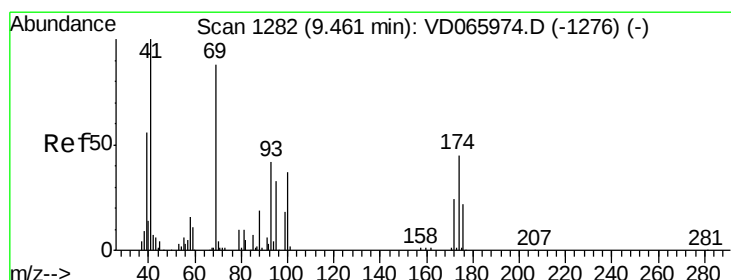
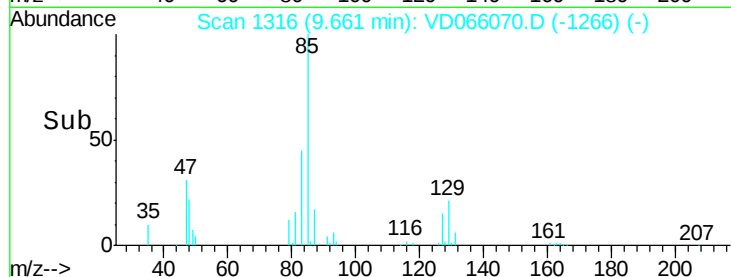
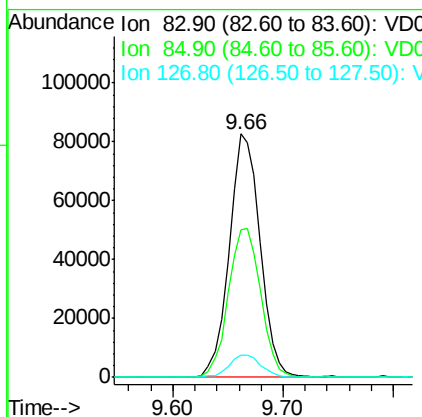
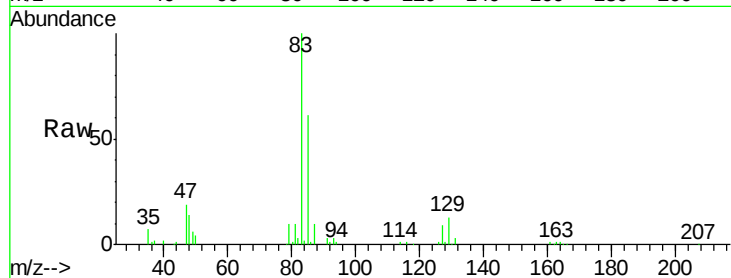
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	162393
Ion	Ratio	Lower	Upper
83	100		
85	60.8	50.6	75.8
127	9.0	7.1	10.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 50.819 ug/l

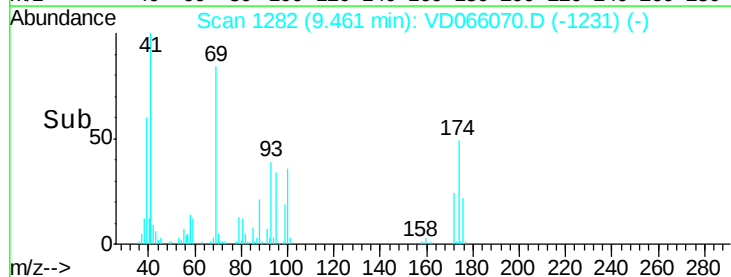
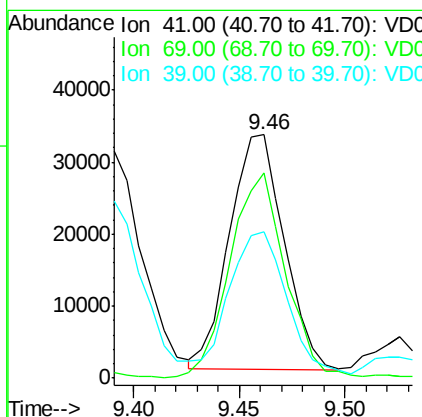
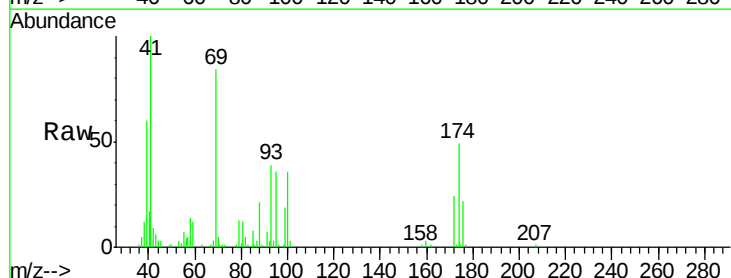
RT: 9.46 min Scan# 1282

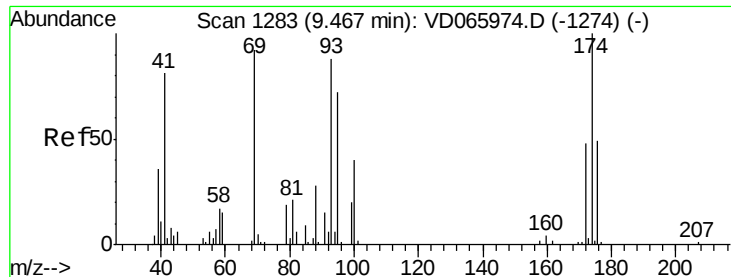
Delta R.T. 0.00 min

Lab File: VD066070.D

Acq: 27 Jul 2020 16:41

Tgt Ion:	41	Resp:	58351
Ion	Ratio	Lower	Upper
41	100		
69	89.2	65.1	97.7
39	68.1	41.5	62.3#





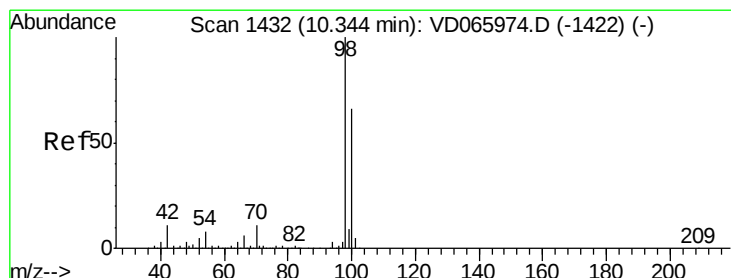
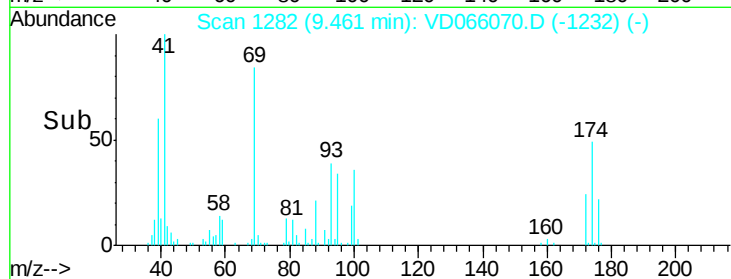
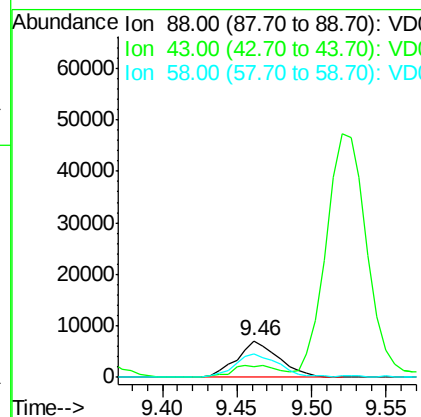
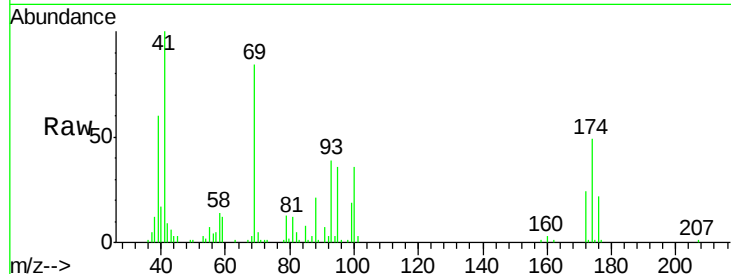
#49
1,4-Dioxane
Concen: 1075.735 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD066070.D
Acq: 27 Jul 2020 16:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.9	29.0	43.6
58	68.6	57.0	85.4

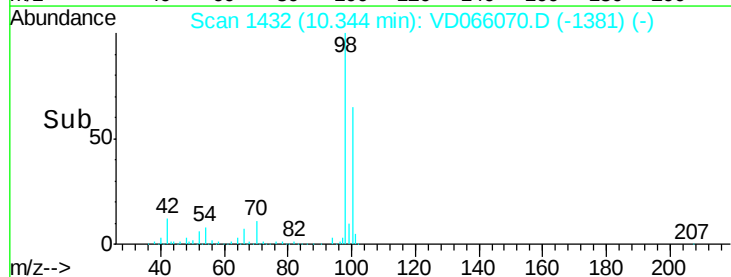
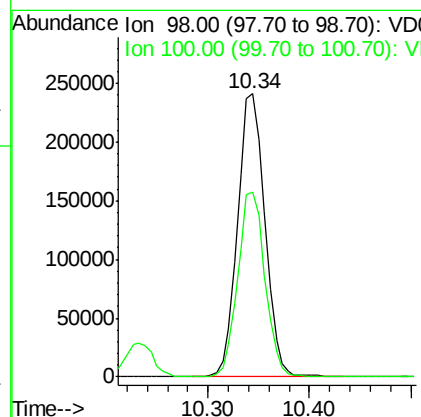
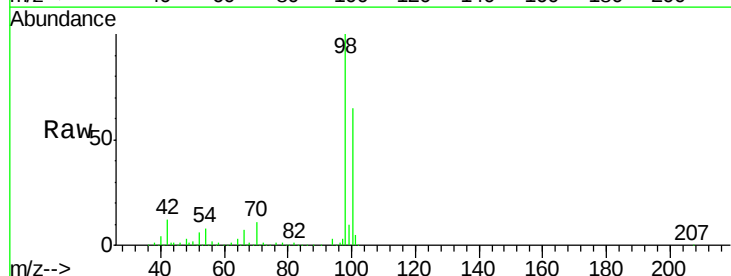
Manual Integrations
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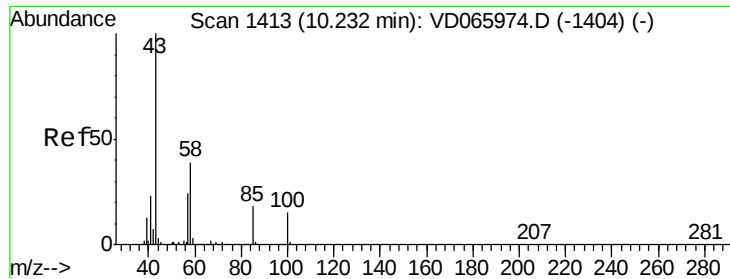
MMDadoda
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#50
Toluene-d8
Concen: 56.067 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD066070.D
Acq: 27 Jul 2020 16:41

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.7	79.1





#51

4-Methyl-2-Pentanone

Concen: 280.311 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD066070.D

Acq: 27 Jul 2020 16:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 321496

Ion Ratio Lower Upper

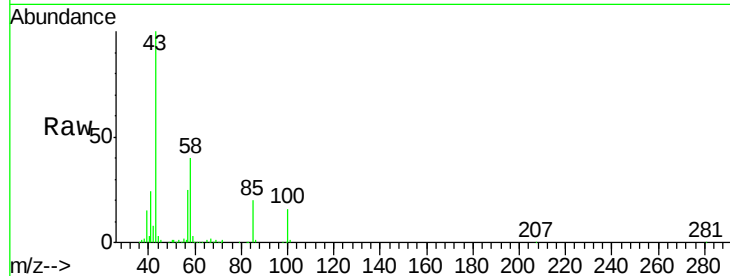
43 100

58 39.3 31.3 46.9

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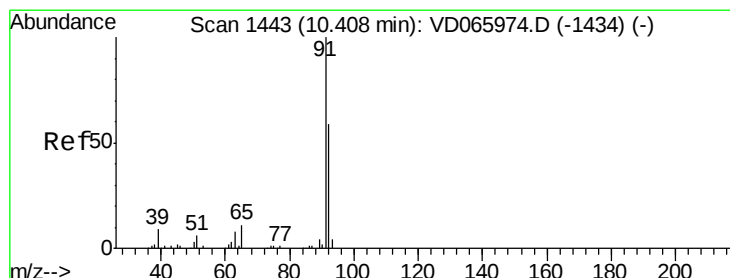
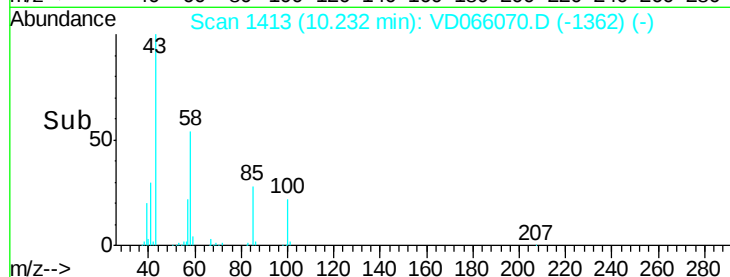
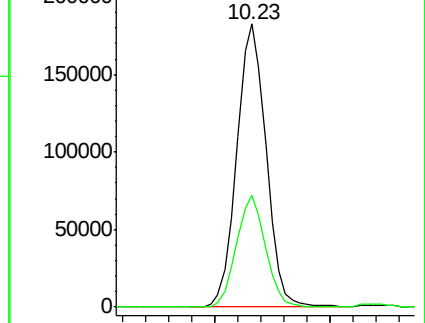
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 53.917 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD066070.D

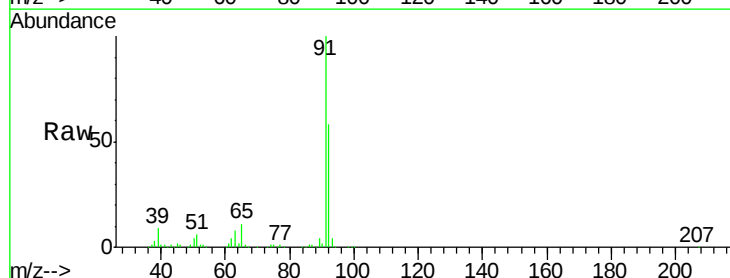
Acq: 27 Jul 2020 16:41

Tgt Ion: 92 Resp: 300197

Ion Ratio Lower Upper

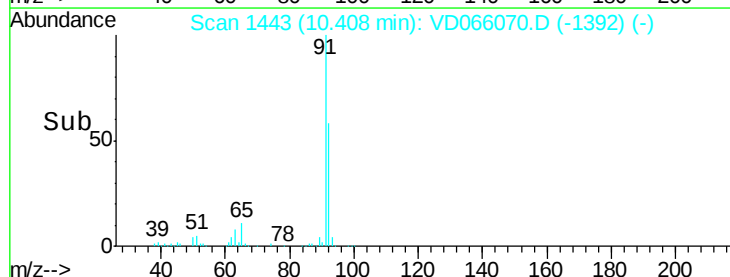
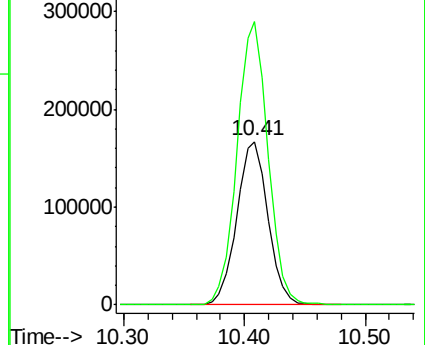
92 100

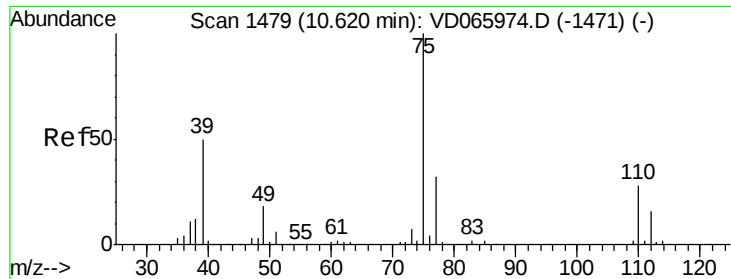
91 172.5 134.5 201.7



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





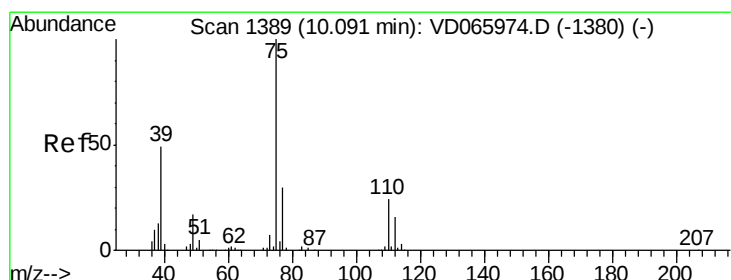
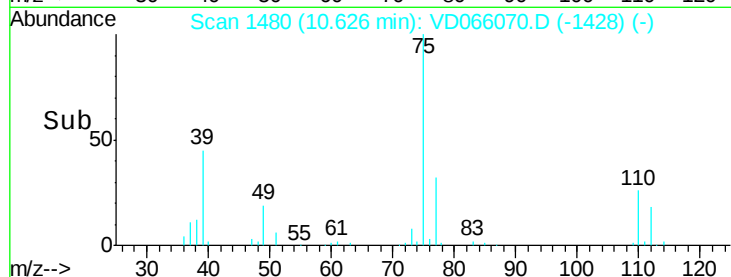
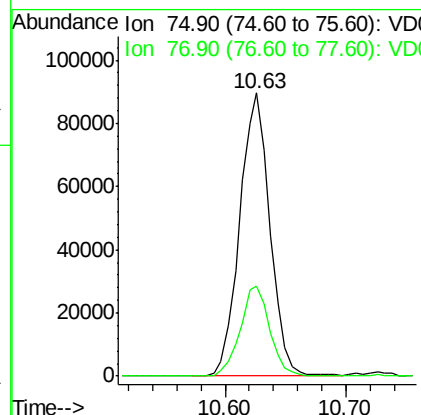
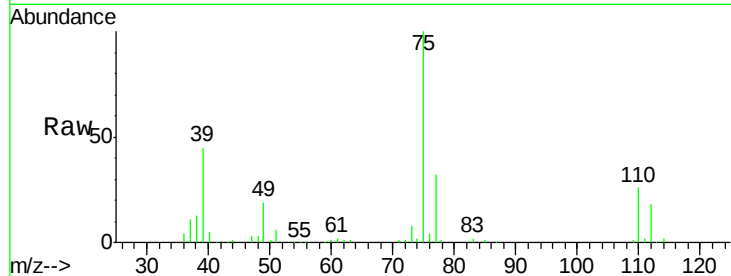
#53
t-1,3-Dichloropropene
Concen: 56.866 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.01 min
Lab File: VD066070.D
Acq: 27 Jul 2020 16:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	75	Resp	155931
Ion Ratio	100	Lower	Upper
77	31.6	25.8	38.6

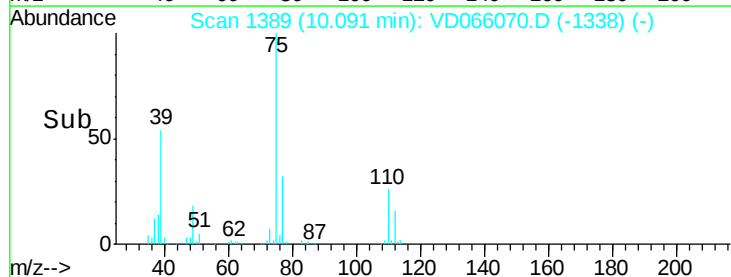
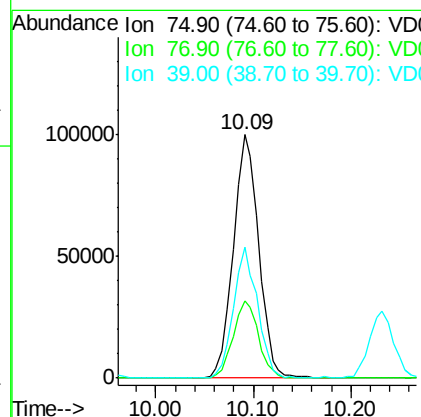
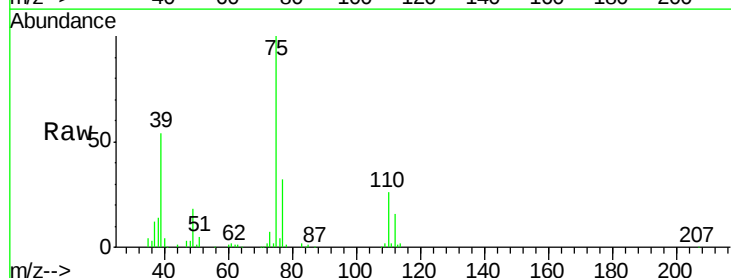
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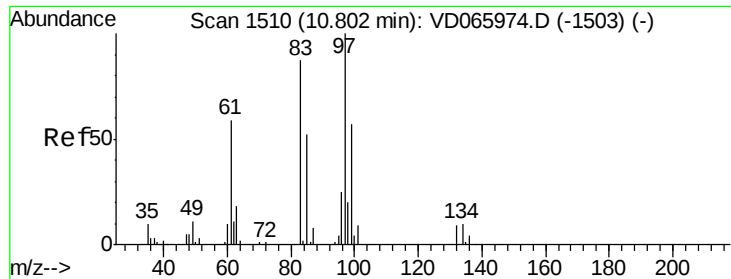
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#54
cis-1,3-Dichloropropene
Concen: 54.265 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD066070.D
Acq: 27 Jul 2020 16:41

Tgt Ion	75	Resp	180369
Ion Ratio	100	Lower	Upper
77	31.9	23.8	35.8
39	53.9	38.8	58.2





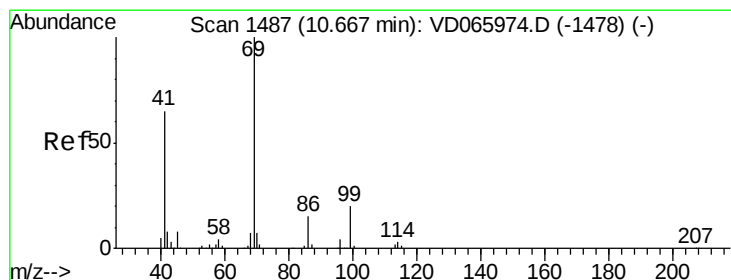
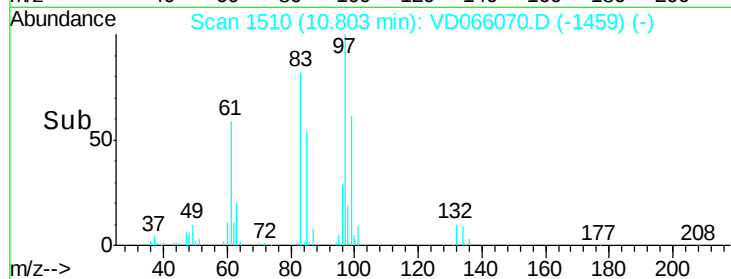
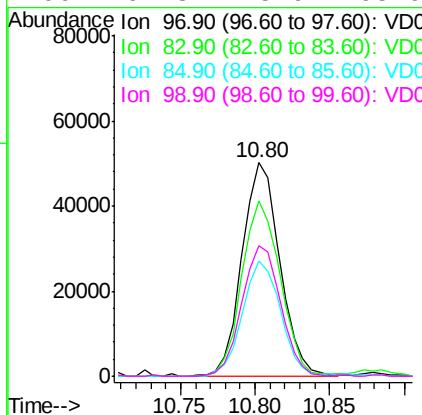
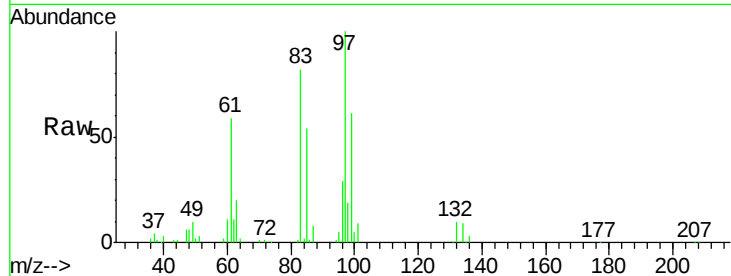
#55
 1,1,2-Trichloroethane
 Concen: 55.660 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD066070.D
 Acq: 27 Jul 2020 16:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	87871
Ion	Ratio	Lower	Upper
97	100		
83	82.1	69.7	104.5
85	54.0	41.6	62.4
99	61.3	45.9	68.9

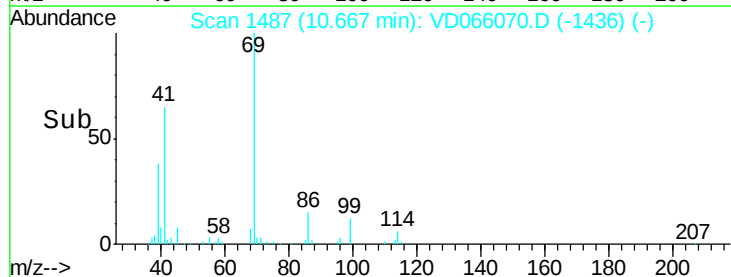
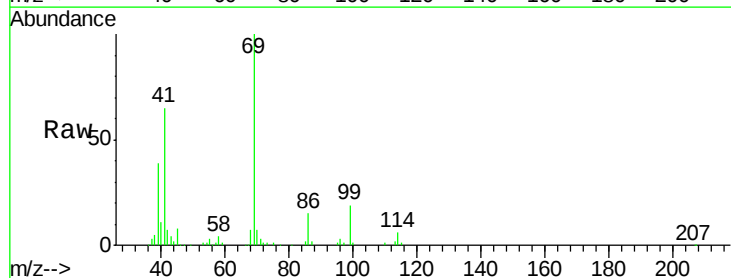
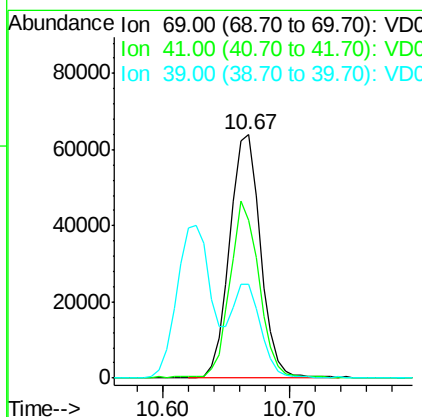
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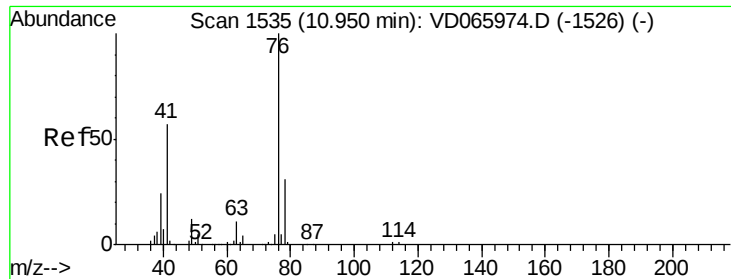
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#56
 Ethyl methacrylate
 Concen: 58.680 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD066070.D
 Acq: 27 Jul 2020 16:41

Tgt Ion:	69	Resp:	107707
Ion	Ratio	Lower	Upper
69	100		
41	69.4	52.3	78.5
39	34.5	25.2	37.8





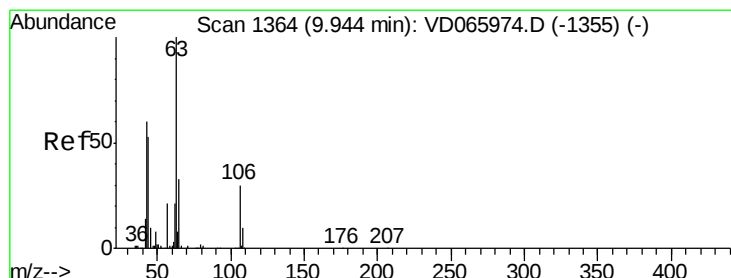
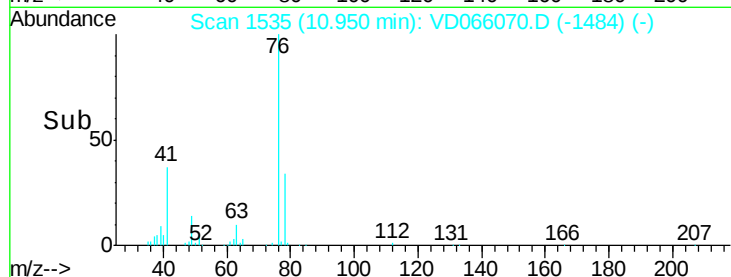
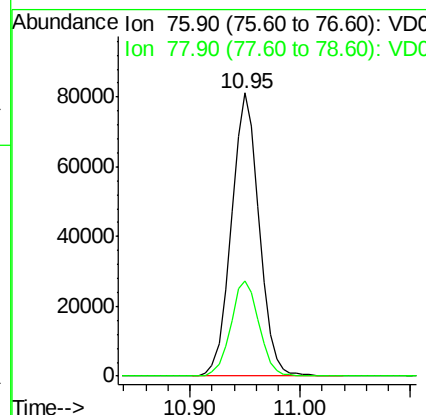
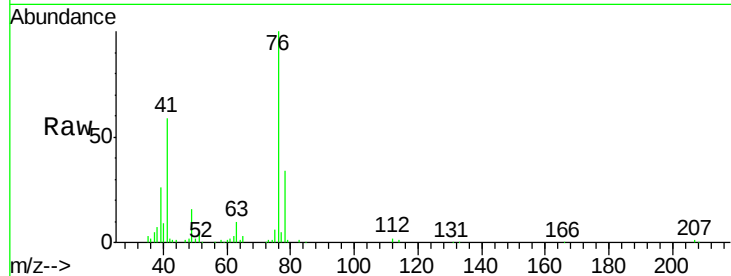
#57
 1,3-Dichloropropane
 Concen: 54.568 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD066070.D
 Acq: 27 Jul 2020 16:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 142611
 Ion Ratio Lower Upper
 76 100
 78 34.1 25.6 38.4

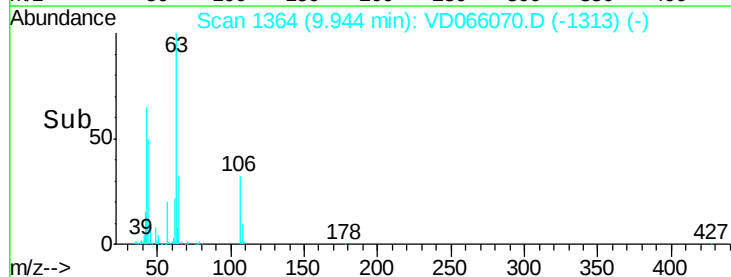
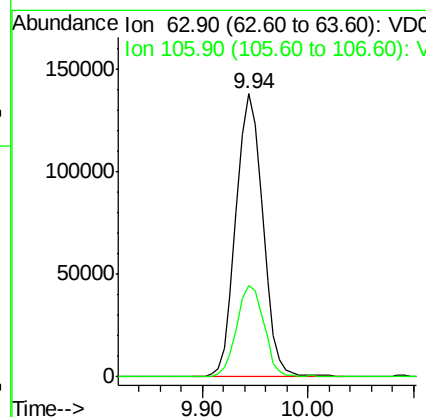
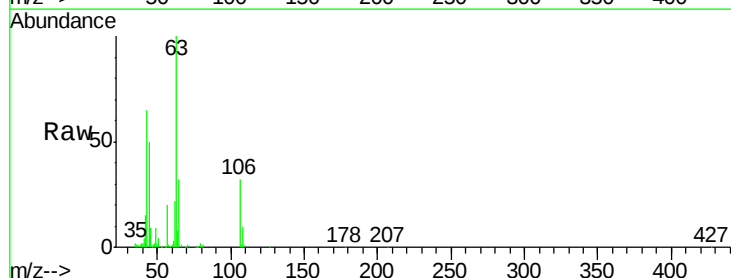
Manual Integrations
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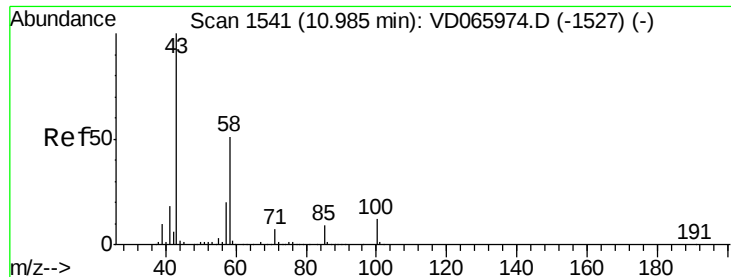
MMDadoda
 7/28/2020 1:44:10 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 278.078 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD066070.D
 Acq: 27 Jul 2020 16:41

Tgt Ion: 63 Resp: 243825
 Ion Ratio Lower Upper
 63 100
 106 32.6 24.4 36.6





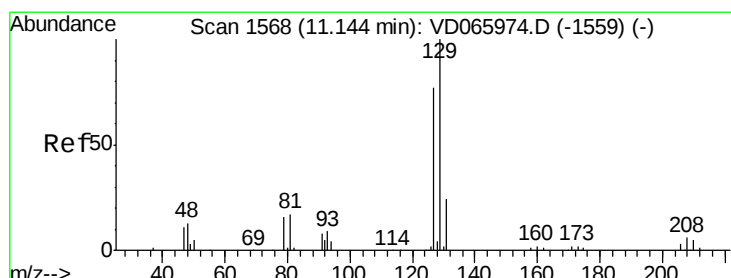
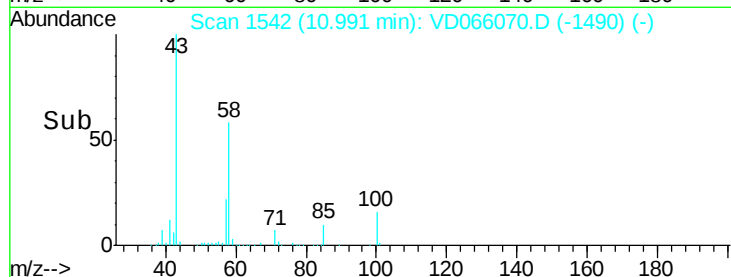
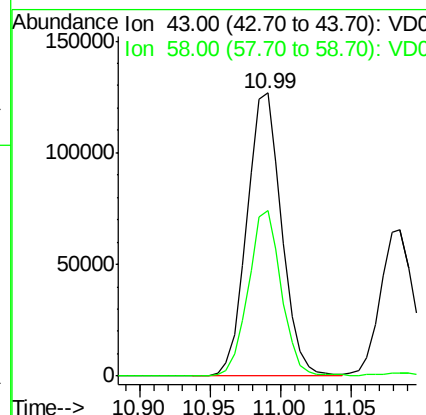
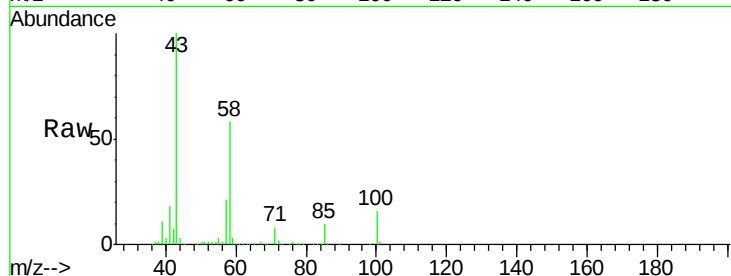
#59
2-Hexanone
Concen: 274.675 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.01 min
Lab File: VD066070.D
Acq: 27 Jul 2020 16:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 218313
Ion Ratio Lower Upper
43 100
58 55.9 26.2 78.6

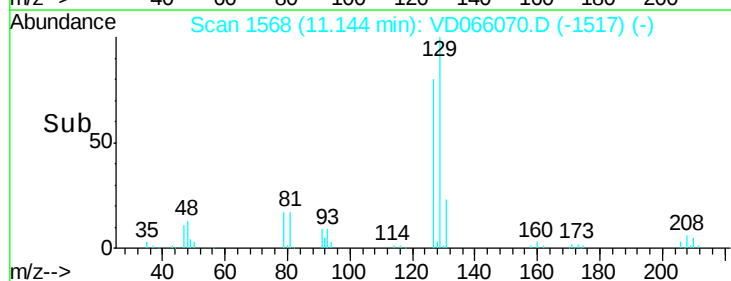
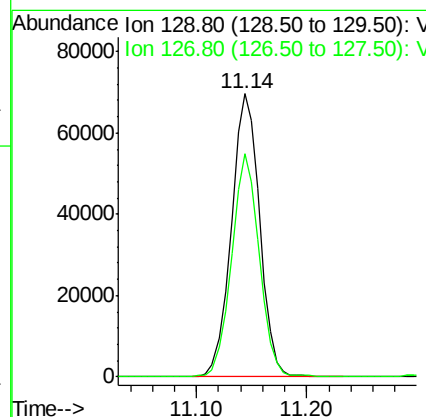
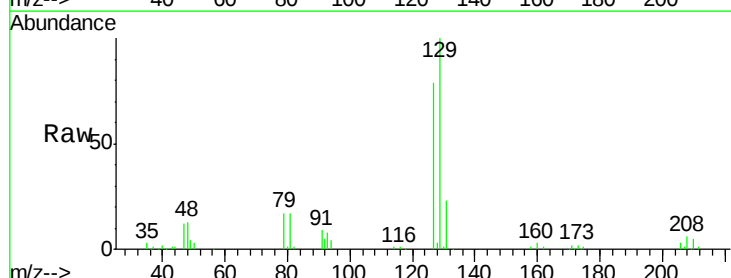
Manual Integrations
APPROVED

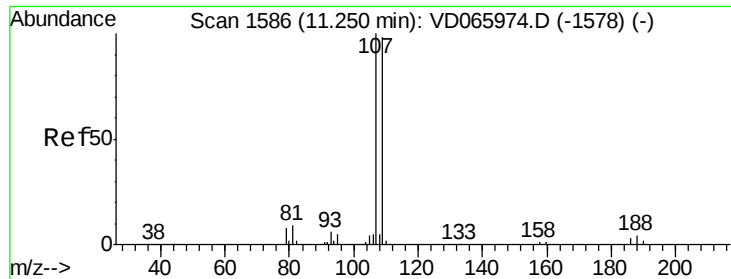
MMDadoda
7/28/2020 1:44:10 PM



#60
Dibromochloromethane
Concen: 58.733 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD066070.D
Acq: 27 Jul 2020 16:41

Tgt Ion: 129 Resp: 125018
Ion Ratio Lower Upper
129 100
127 77.0 38.6 115.7





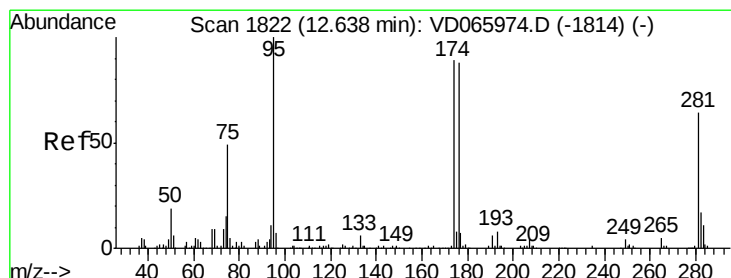
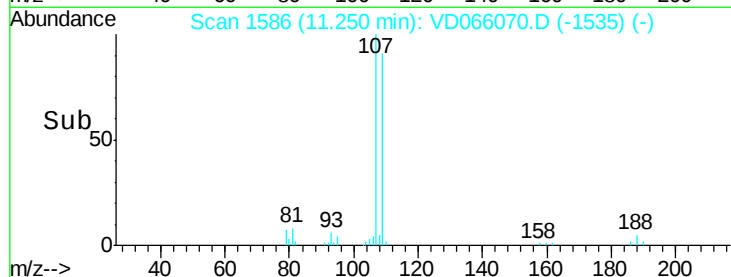
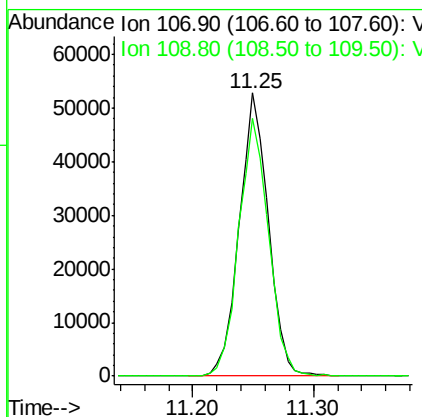
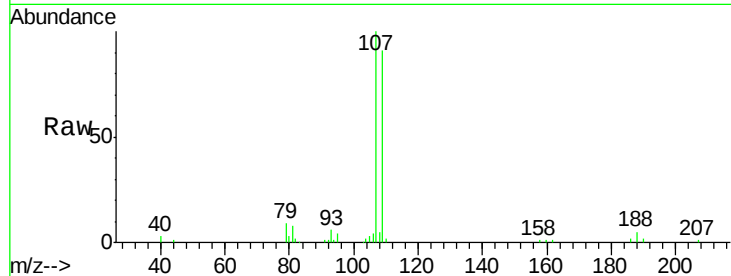
#61
 1,2-Dibromoethane
 Concen: 58.241 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD066070.D
 Acq: 27 Jul 2020 16:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 107 Resp: 88652
 Ion Ratio Lower Upper
 107 100
 109 93.4 75.0 112.4

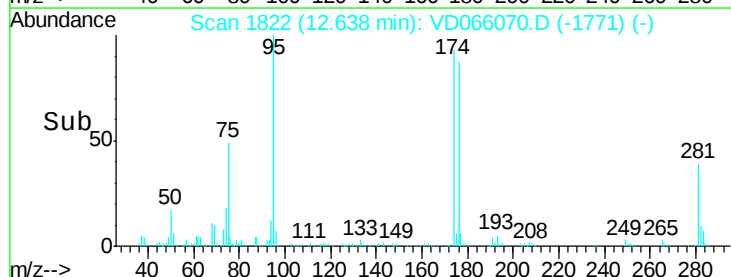
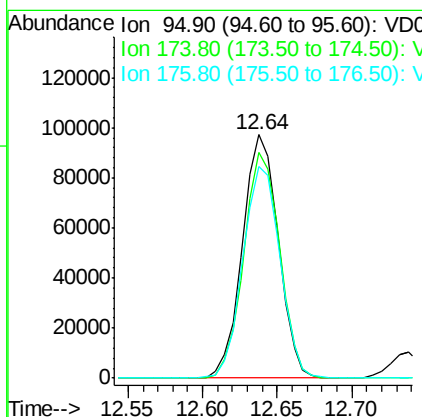
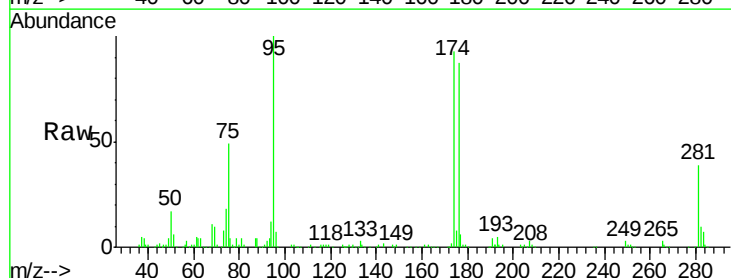
Manual Integrations
 APPROVED

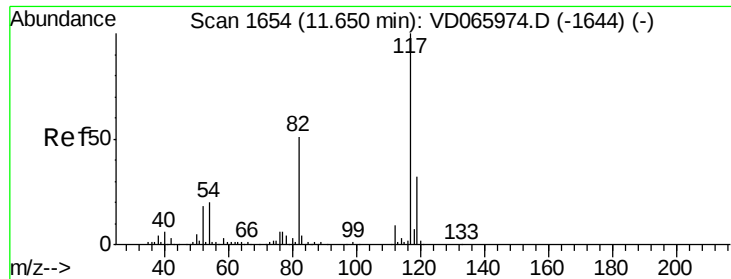
MMDadoda
 7/28/2020 1:44:10 PM



#62
 4-Bromofluorobenzene
 Concen: 57.523 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD066070.D
 Acq: 27 Jul 2020 16:41

Tgt Ion: 95 Resp: 161146
 Ion Ratio Lower Upper
 95 100
 174 93.0 0.0 178.8
 176 90.2 0.0 172.6





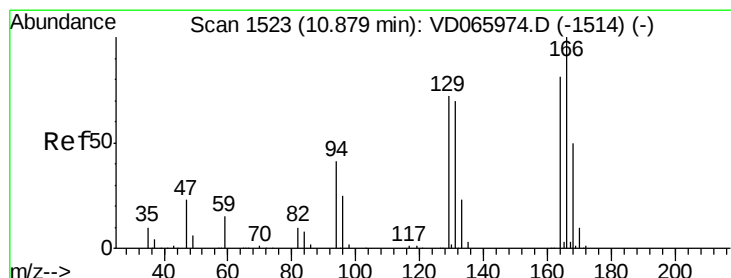
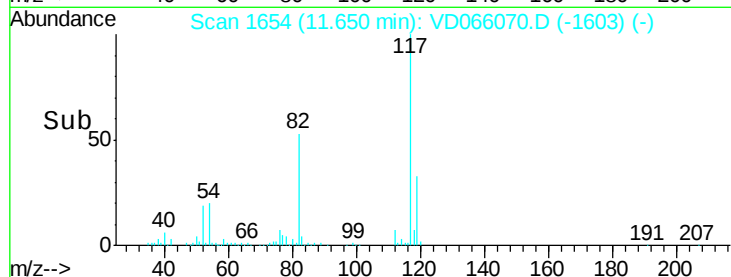
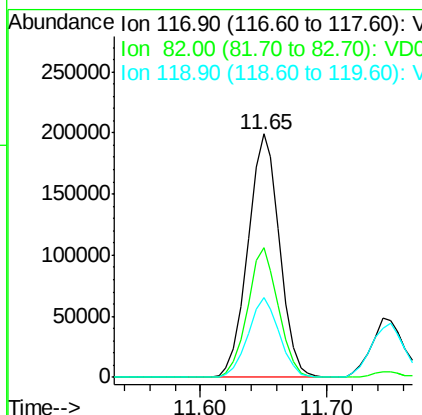
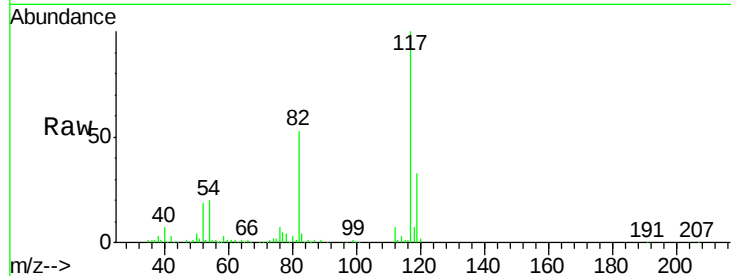
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD066070.D
Acq: 27 Jul 2020 16:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.1	41.1	61.7
119	32.6	25.9	38.9

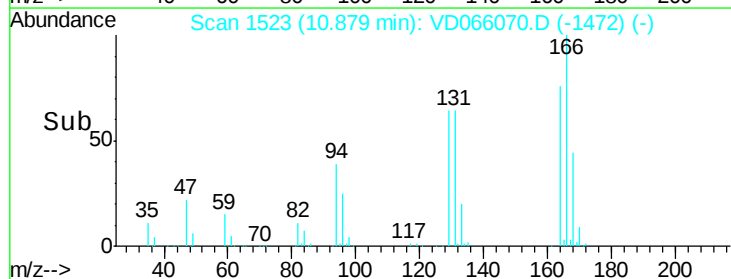
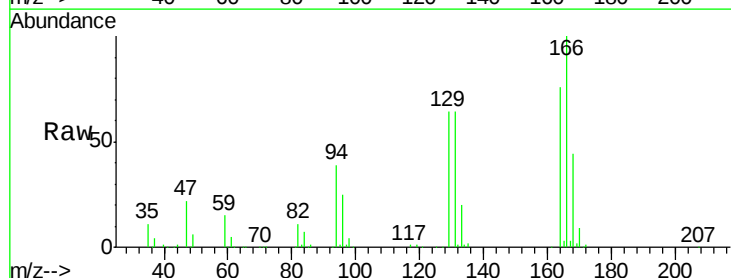
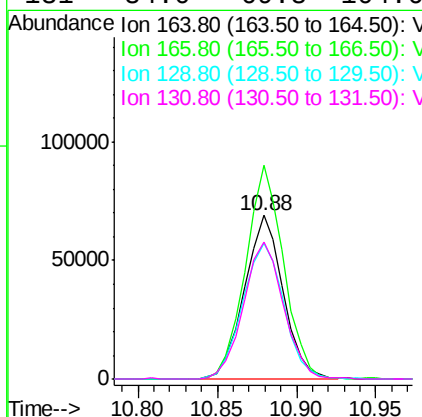
Manual Integrations
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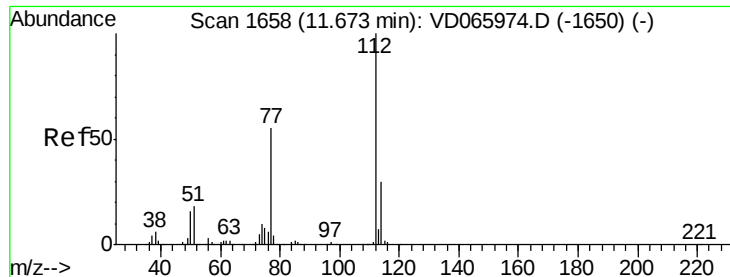
MMDadoda
7/28/2020 1:44:10 PM



#64
Tetrachloroethene
Concen: 50.076 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD066070.D
Acq: 27 Jul 2020 16:41

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.8	99.1	148.7
129	83.3	71.5	107.3
131	84.0	69.8	104.6





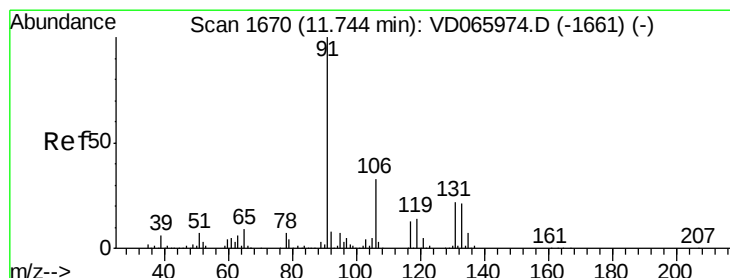
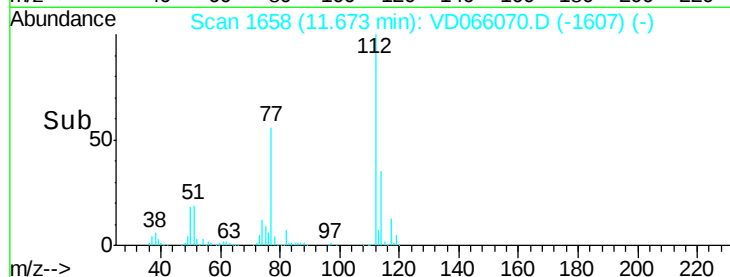
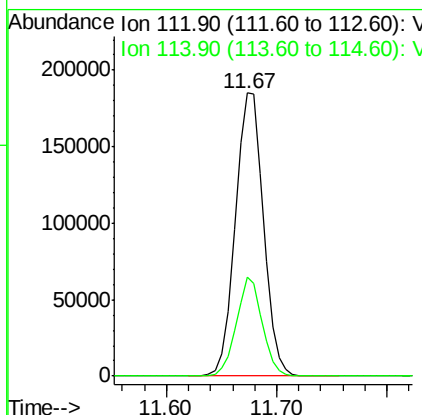
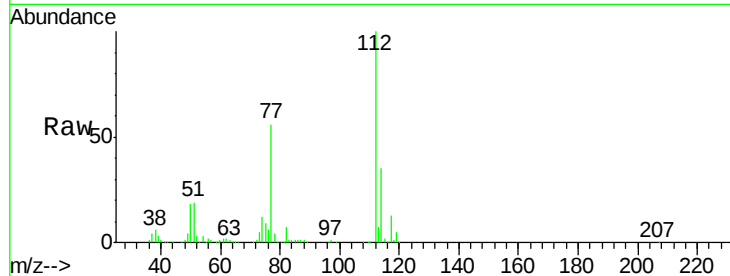
#65
Chlorobenzene
Concen: 52.519 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD066070.D
Acq: 27 Jul 2020 16:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	35.2	24.4	36.6

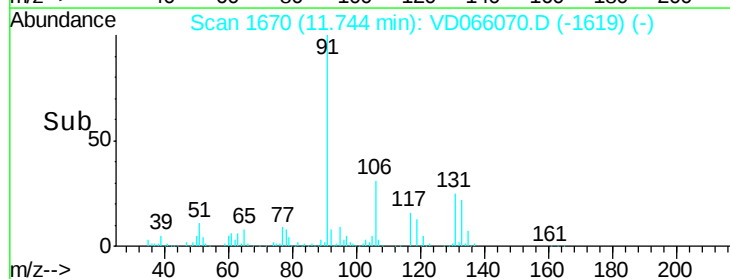
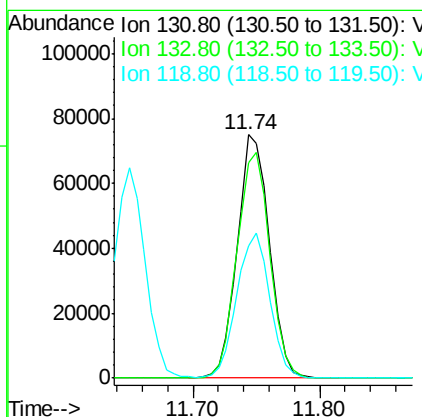
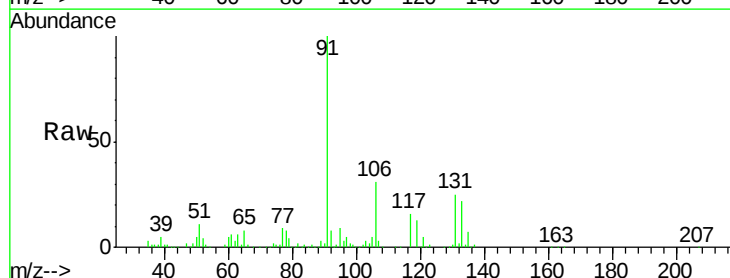
Manual Integrations
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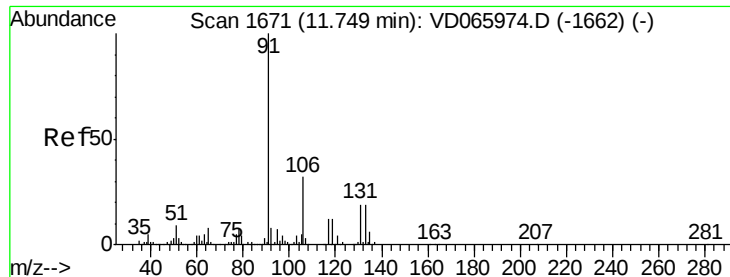
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 56.414 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066070.D
Acq: 27 Jul 2020 16:41

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.9	47.3	142.0
119	61.3	31.7	95.1





#67

Ethyl Benzene

Concen: 52.729 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD066070.D

Acq: 27 Jul 2020 16:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 572868

Ion Ratio Lower Upper

91 100

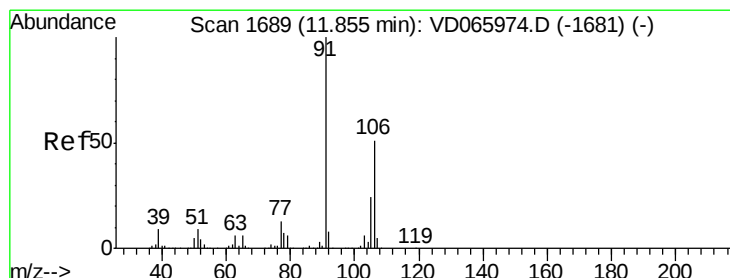
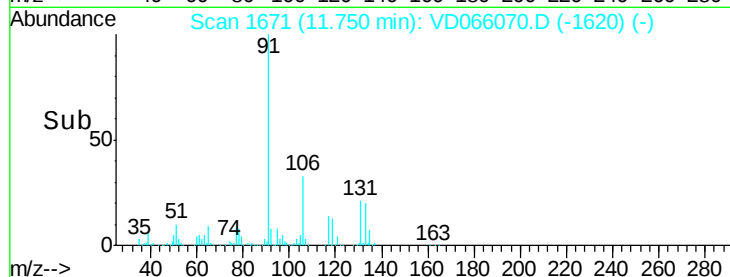
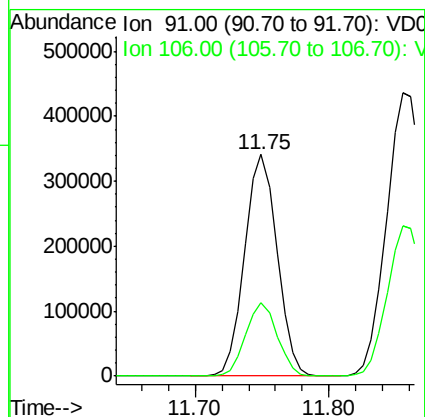
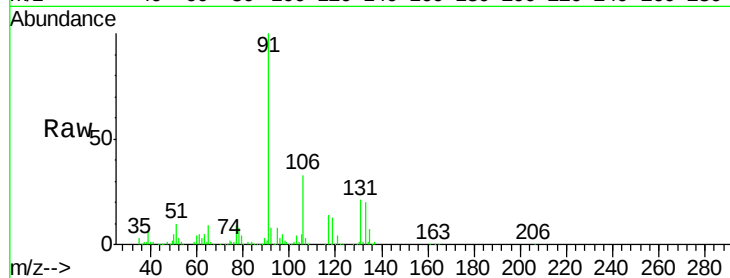
106 33.2 25.7 38.5

Manual Integrations

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MMDadoda

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#68

m/p-Xylenes

Concen: 107.891 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD066070.D

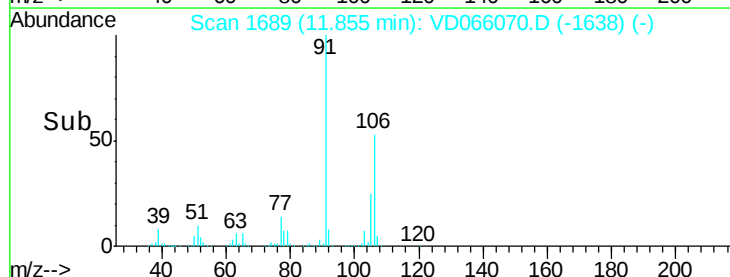
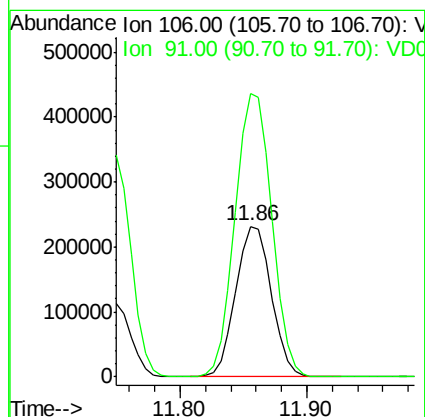
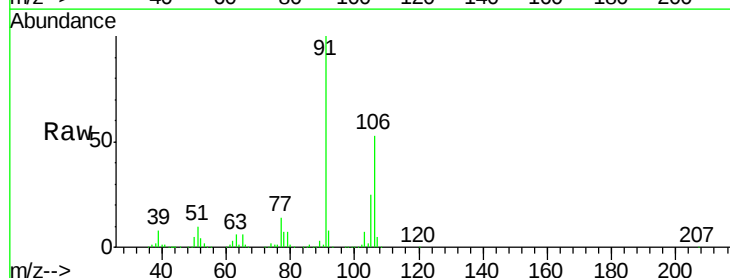
Acq: 27 Jul 2020 16:41

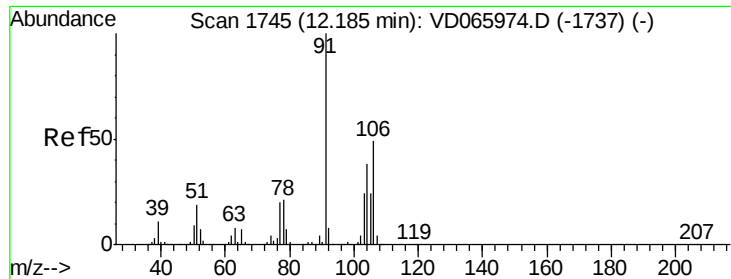
Tgt Ion: 106 Resp: 450536

Ion Ratio Lower Upper

106 100

91 194.3 157.0 235.6





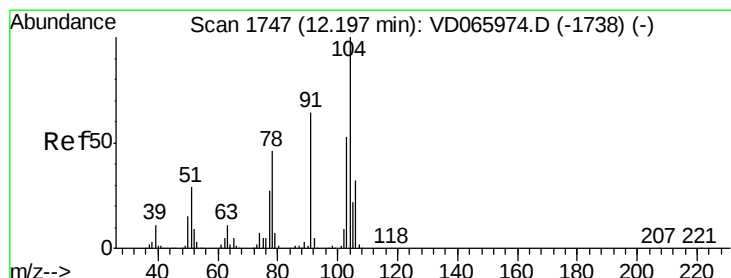
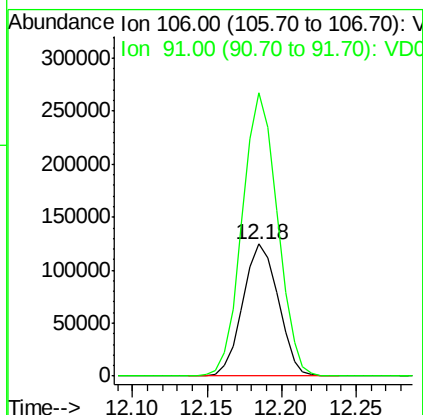
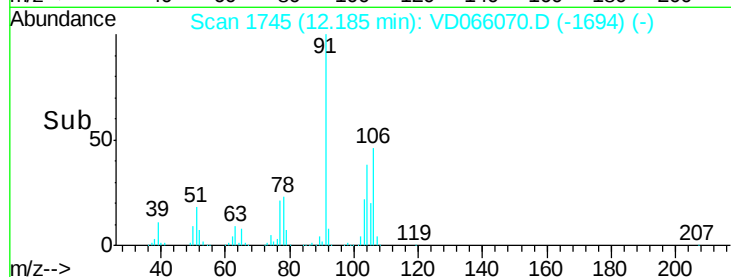
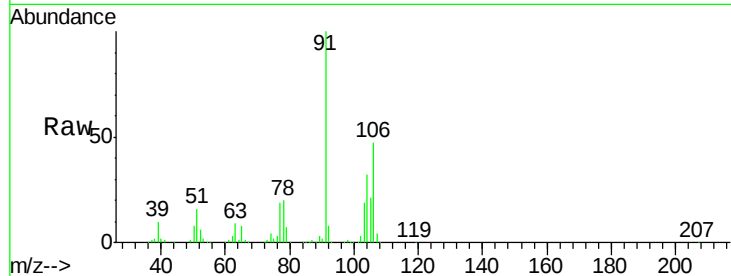
#69
o-Xylene
Concen: 54.278 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD066070.D
Acq: 27 Jul 2020 16:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		206150		
91	212.3	103.1	309.3		

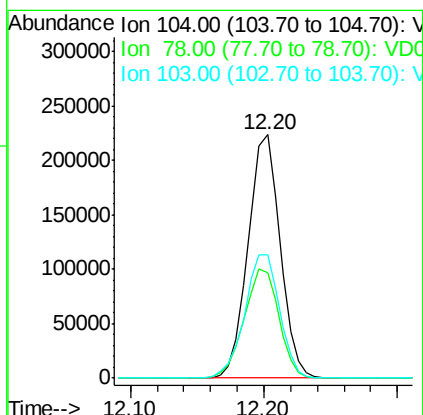
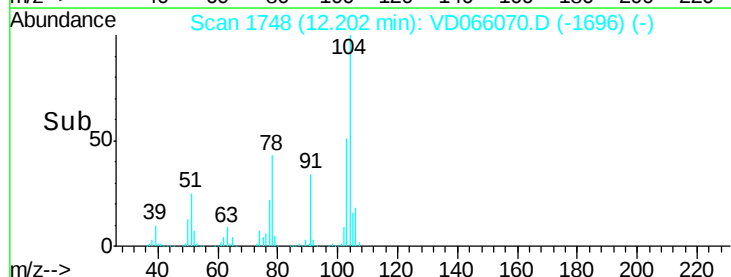
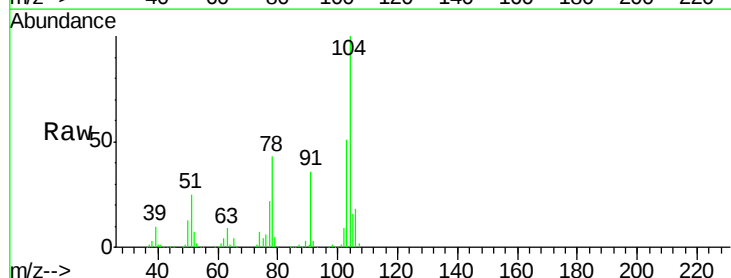
Manual Integrations
APPROVED

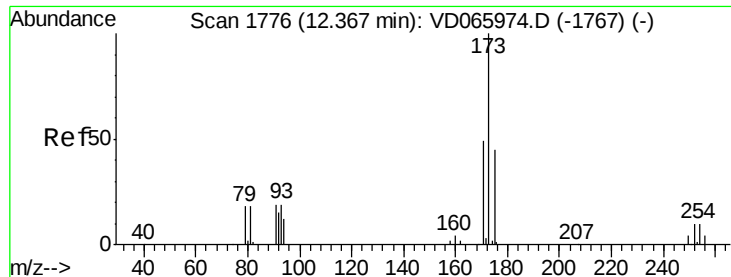
MMDadoda
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#70
Styrene
Concen: 56.902 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD066070.D
Acq: 27 Jul 2020 16:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		371325		
78	48.7	38.3	57.5		
103	55.1	43.8	65.8		





#71

Bromoform

Concen: 57.749 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD066070.D

Acq: 27 Jul 2020 16:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 78853

Ion Ratio Lower Upper

173 100

175 48.3 24.1 72.3

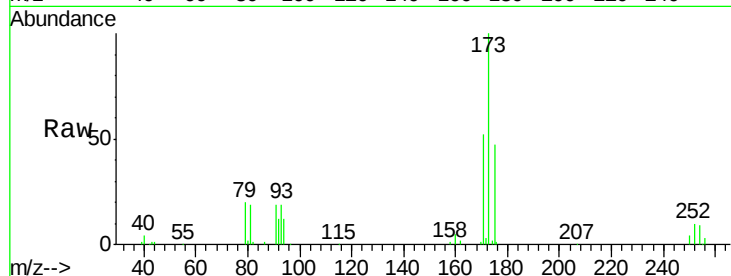
254 0.1 0.0 0.0#

Manual Integrations

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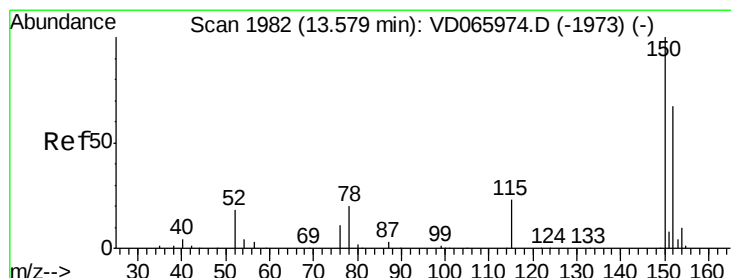
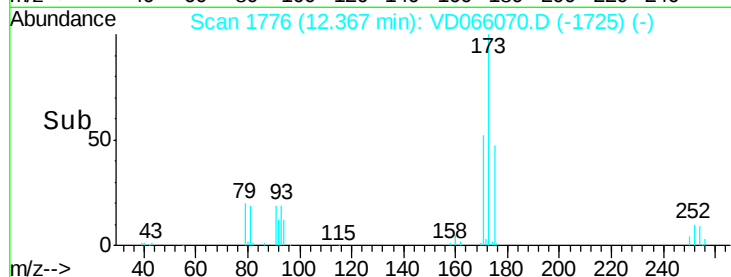
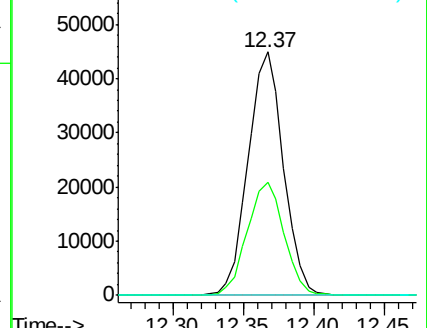
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Abundance Ion 172.70 (172.40 to 173.40): V

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. 0.01 min

Lab File: VD066070.D

Acq: 27 Jul 2020 16:41

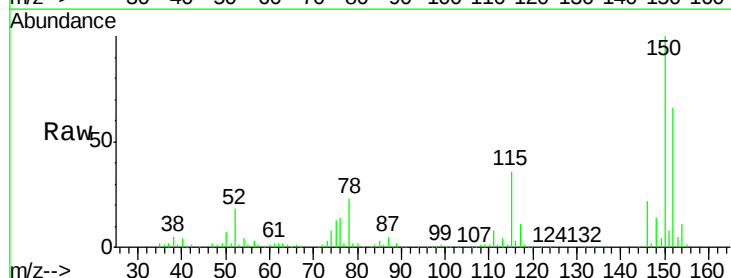
Tgt Ion:152 Resp: 192410

Ion Ratio Lower Upper

152 100

115 54.7 27.9 83.7

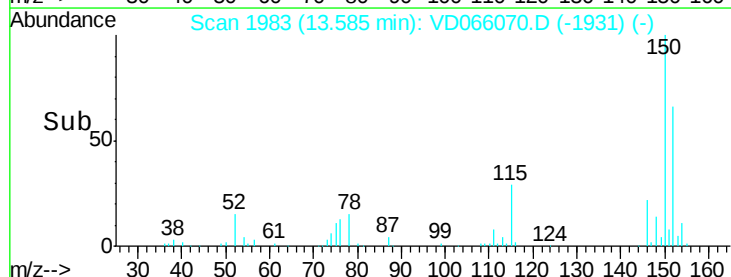
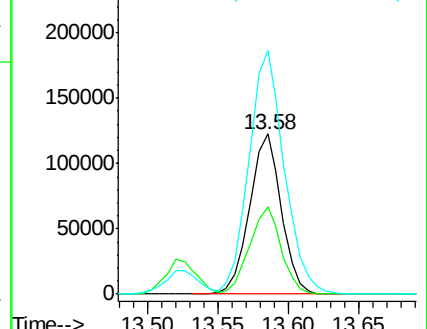
150 170.2 0.0 348.2

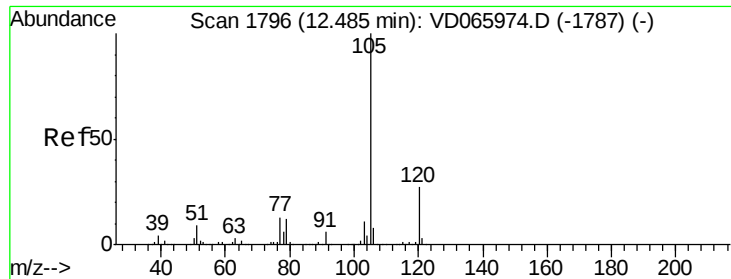


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





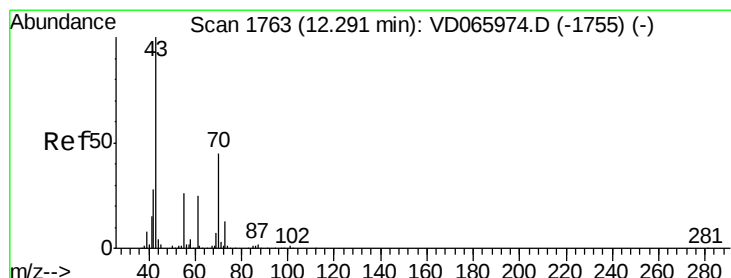
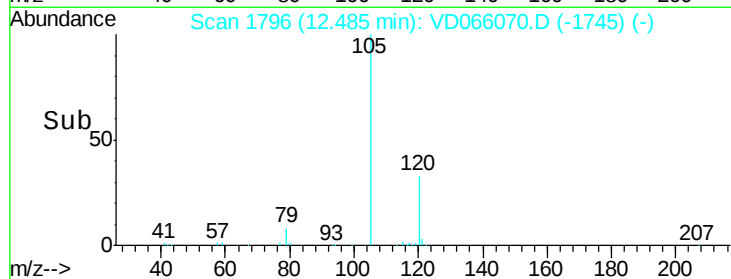
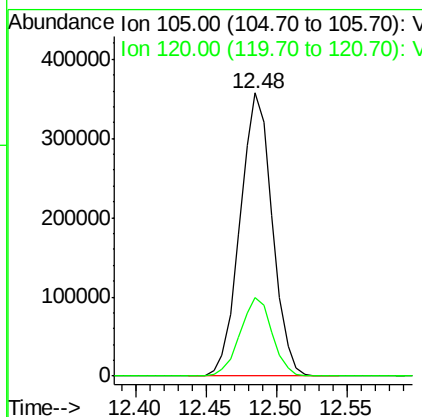
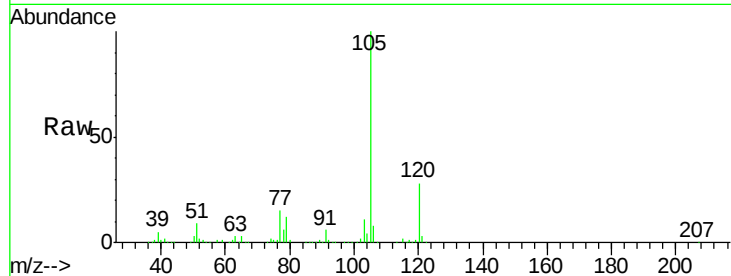
#73
Isopropylbenzene
Concen: 48.958 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD066070.D
Acq: 27 Jul 2020 16:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.4	13.6	40.8

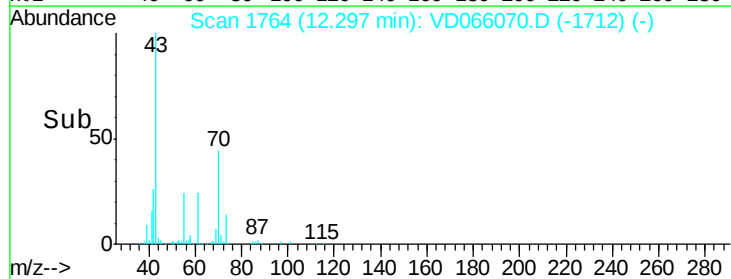
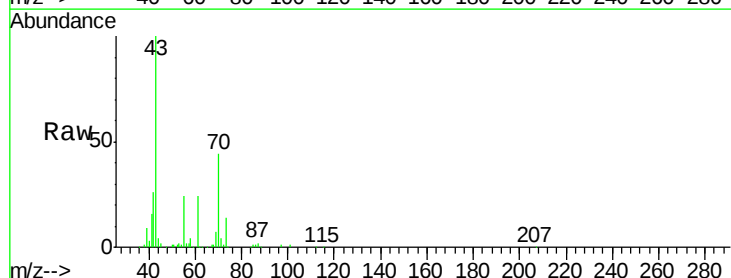
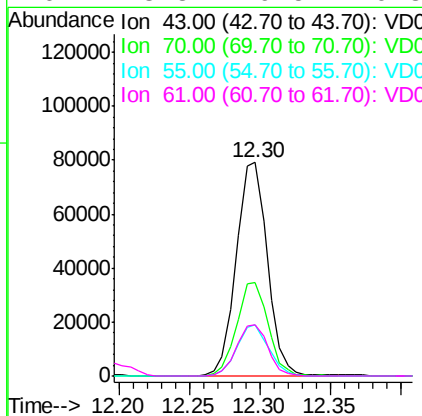
Manual Integrations
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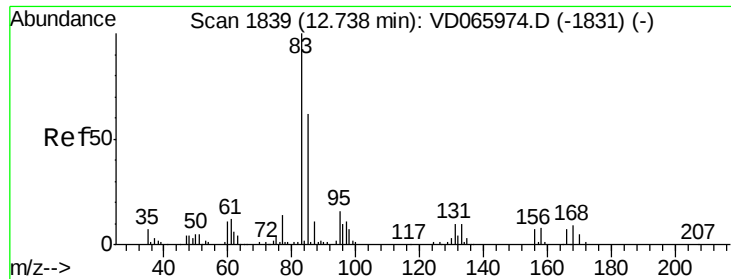
MMDadoda
7/28/2020 1:44:10 PM



#74
N-ethyl acetate
Concen: 50.718 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. 0.01 min
Lab File: VD066070.D
Acq: 27 Jul 2020 16:41

Tgt Ion	Ratio	Lower	Upper
43	100		
70	44.2	34.6	51.8
55	24.5	20.3	30.5
61	23.8	19.5	29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 49.602 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD066070.D

Acq: 27 Jul 2020 16:41

Instrument :

MSVOA_D

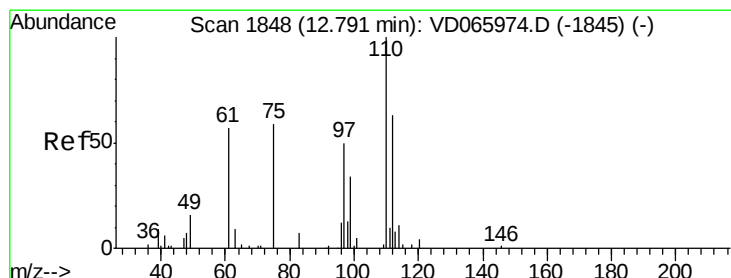
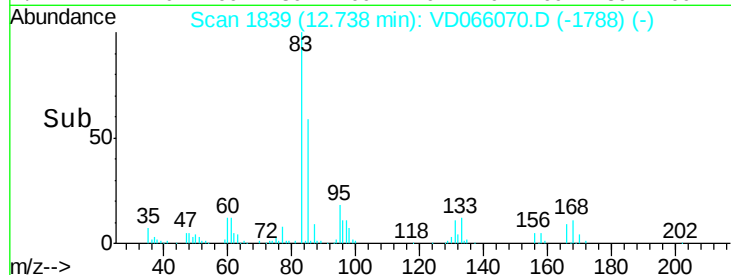
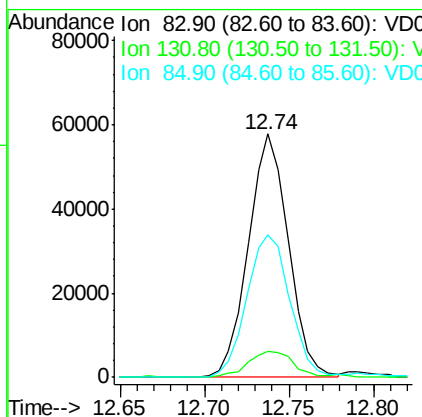
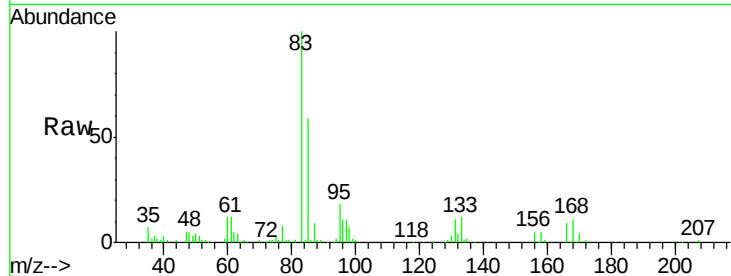
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	95441
Ion Ratio	Lower	Upper	
83	100		
131	12.1	5.7	17.1
85	63.1	31.9	95.5

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#76

1,2,3-Trichloropropane

Concen: 41.408 ug/l m

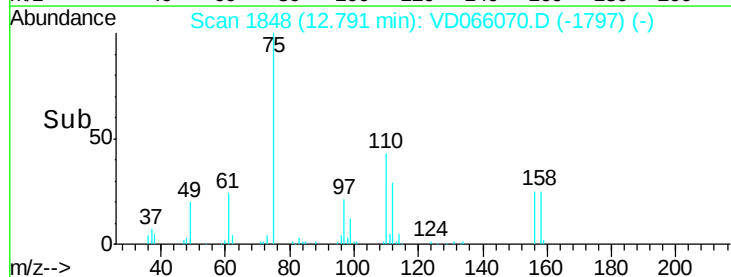
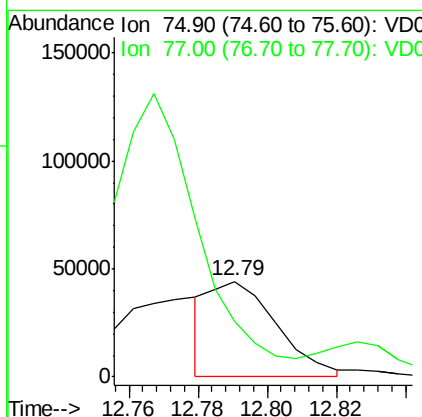
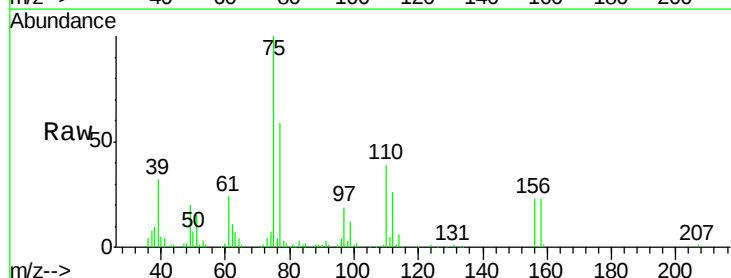
RT: 12.79 min Scan# 1848

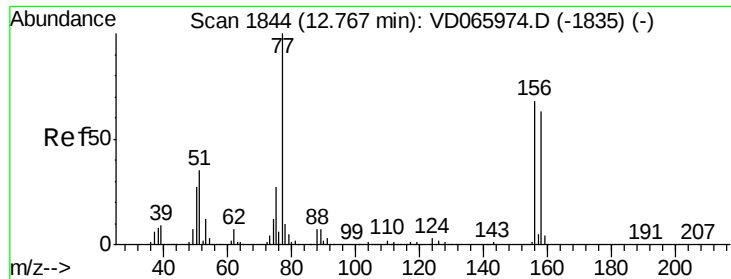
Delta R.T. 0.00 min

Lab File: VD066070.D

Acq: 27 Jul 2020 16:41

Tgt Ion:	75	Resp:	59990
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 51.317 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD066070.D

Acq: 27 Jul 2020 16:41

Instrument :

MSVOA_D

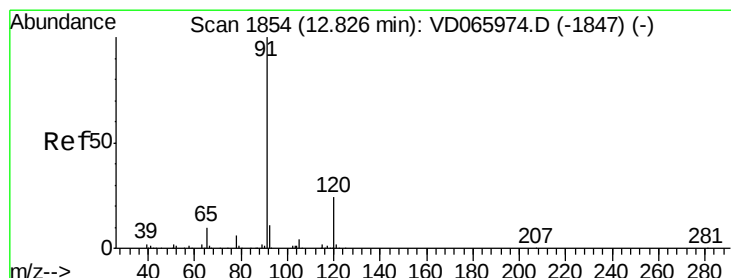
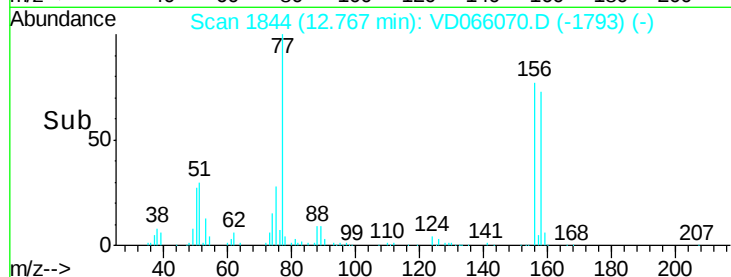
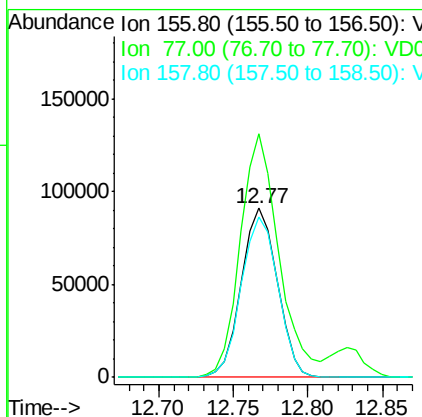
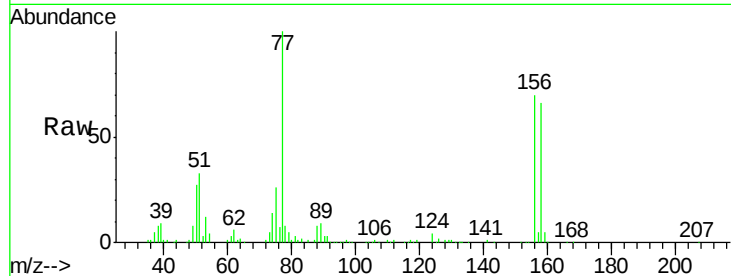
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		152693		
77	154.3	83.0	249.0		
158	96.6	48.2	144.6		

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#78

n-propylbenzene

Concen: 48.569 ug/l

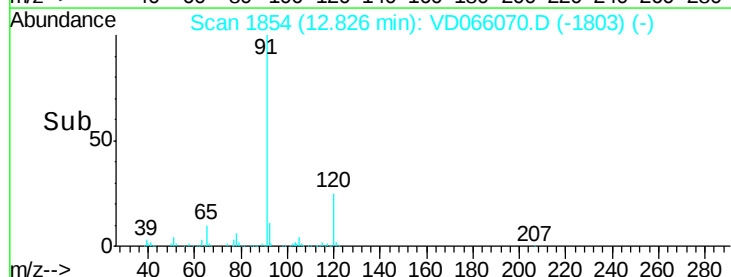
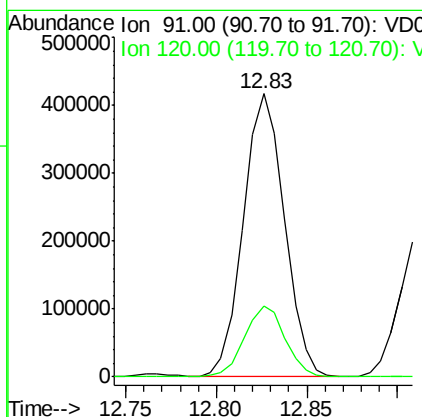
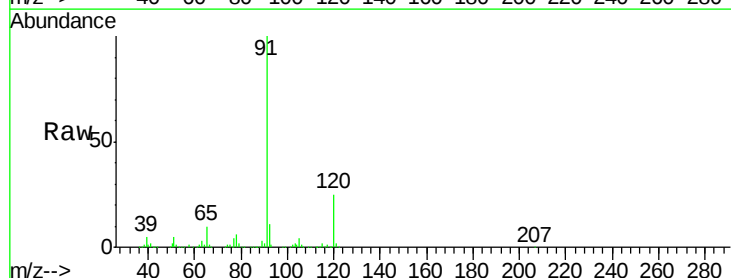
RT: 12.83 min Scan# 1854

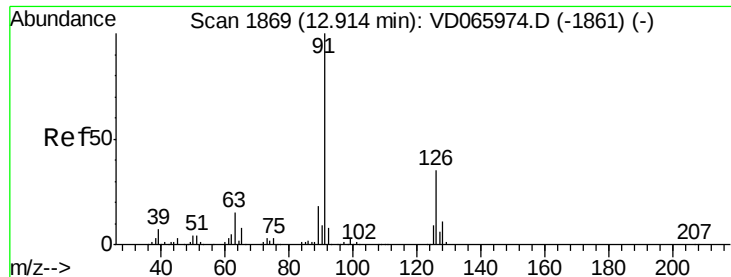
Delta R.T. 0.00 min

Lab File: VD066070.D

Acq: 27 Jul 2020 16:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		656175		
120	24.9	12.0	36.0		





#79

2-Chlorotoluene

Concen: 49.537 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD066070.D

Acq: 27 Jul 2020 16:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 382352

Ion Ratio Lower Upper

91 100

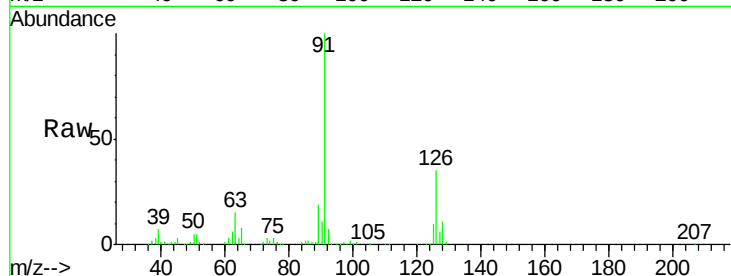
126 36.0 17.7 53.1

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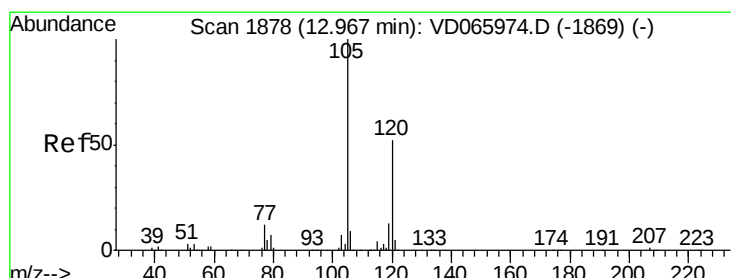
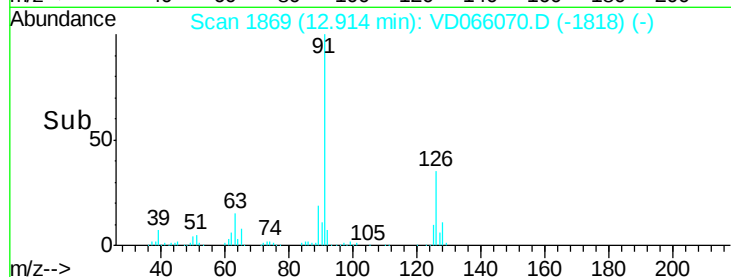
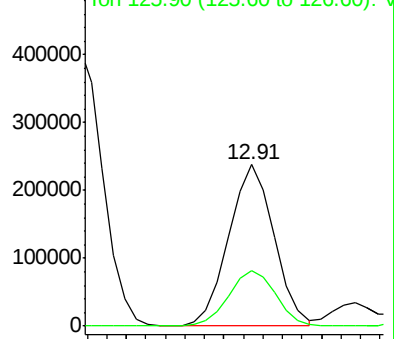
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Abundance Ion 91.00 (90.70 to 91.70): VD065974.D (-1861) (-)



#80

1,3,5-Trimethylbenzene

Concen: 51.179 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD066070.D

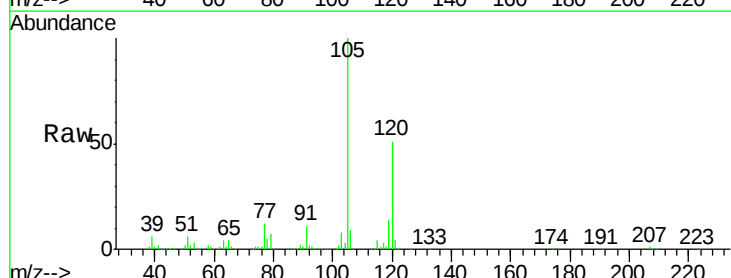
Acq: 27 Jul 2020 16:41

Tgt Ion: 105 Resp: 489544

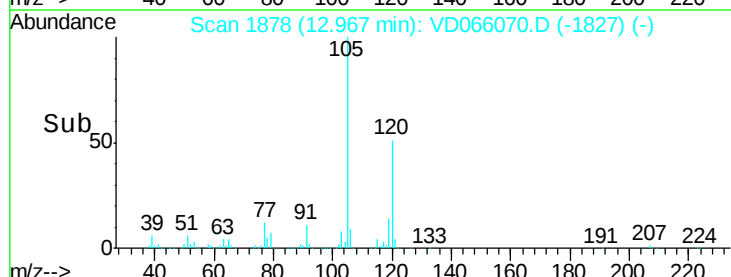
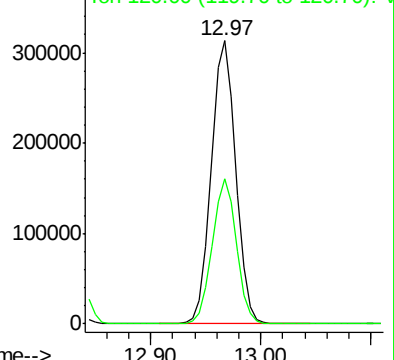
Ion Ratio Lower Upper

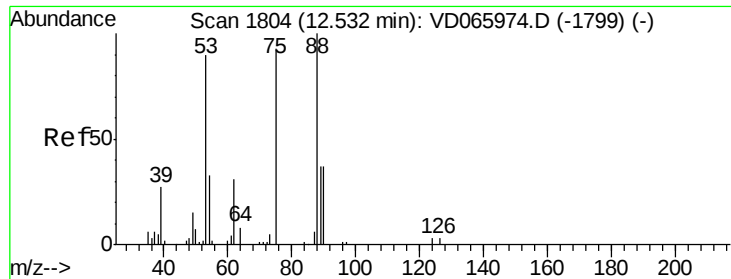
105 100

120 50.4 25.6 76.6



Abundance Ion 105.00 (104.70 to 105.70): VD065974.D (-1869) (-)





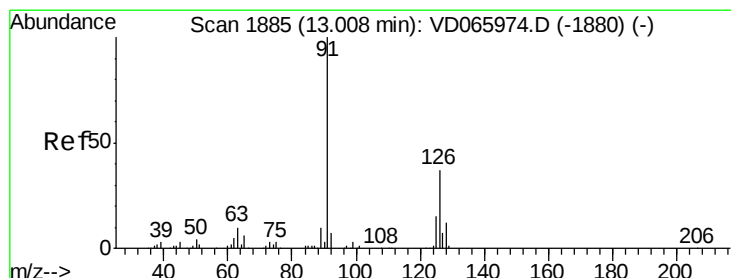
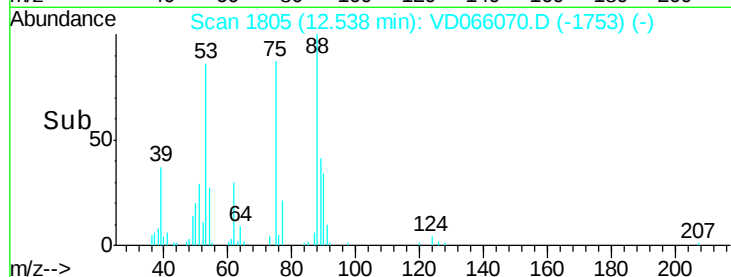
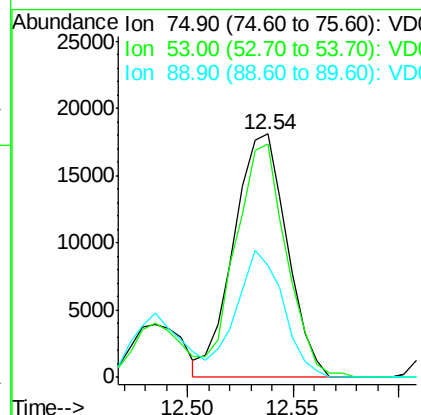
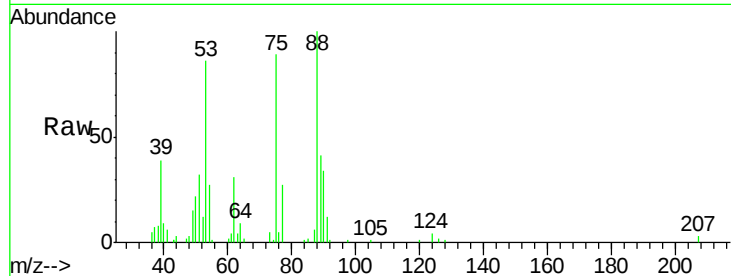
#81
trans-1,4-Dichloro-2-butene
Concen: 50.135 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. 0.01 min
Lab File: VD066070.D
Acq: 27 Jul 2020 16:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.6	76.8	115.2
89	46.0	37.0	55.4

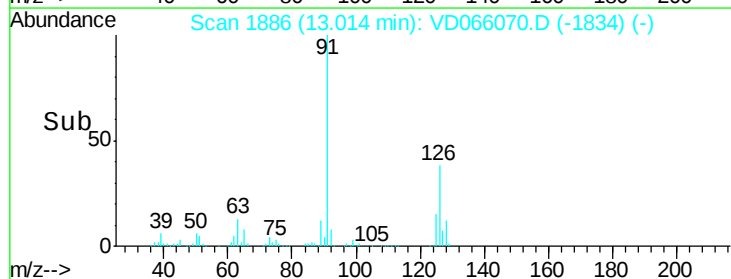
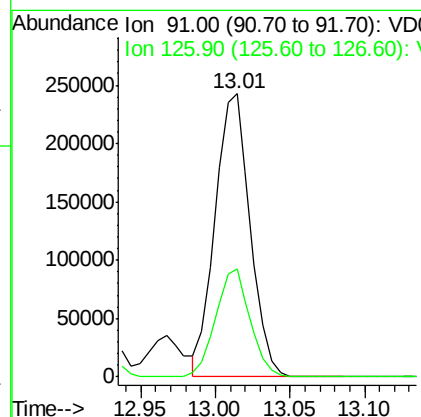
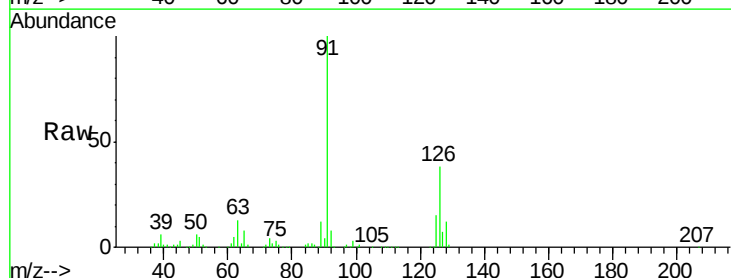
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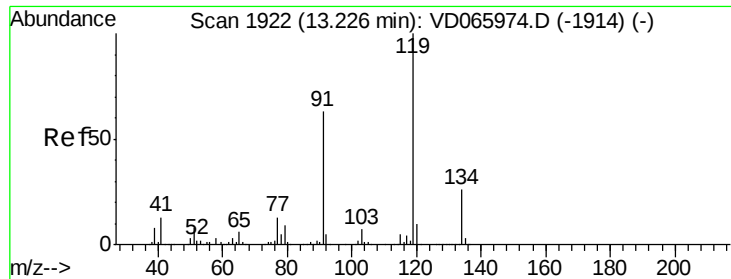
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#82
4-Chlorotoluene
Concen: 48.690 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.01 min
Lab File: VD066070.D
Acq: 27 Jul 2020 16:41

Tgt Ion	Ratio	Lower	Upper
91	100		
126	37.4	17.8	53.5





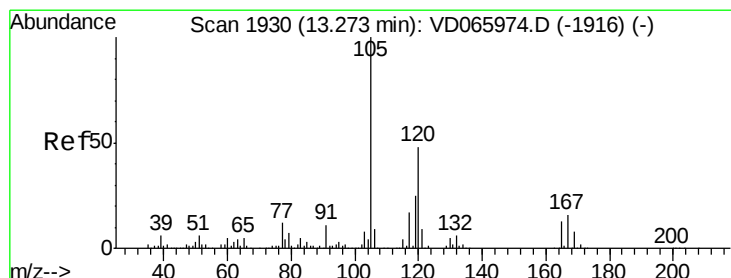
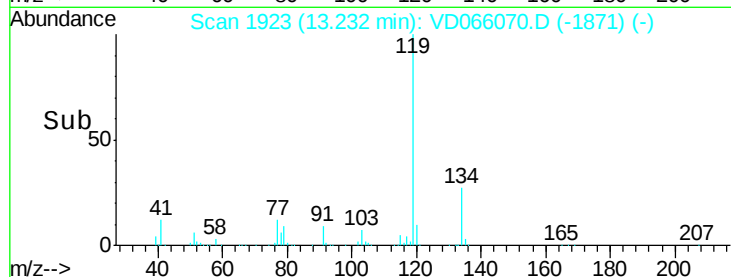
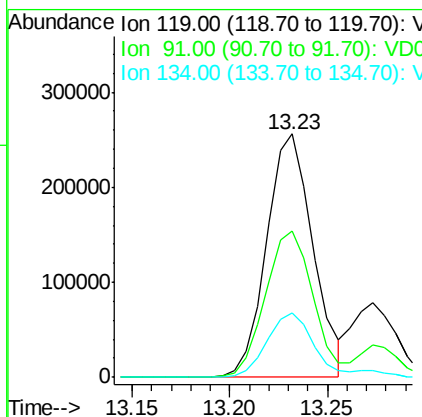
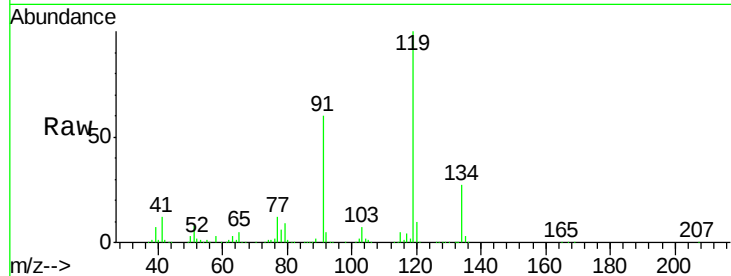
#83
tert-Butylbenzene
Concen: 50.369 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.01 min
Lab File: VD066070.D
Acq: 27 Jul 2020 16:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	421606		
91	61.3	30.6	91.6	
134	26.4	13.9	41.7	

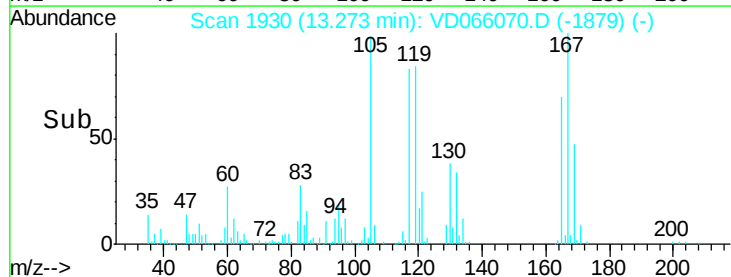
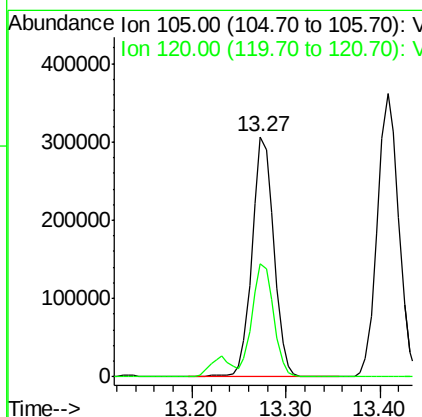
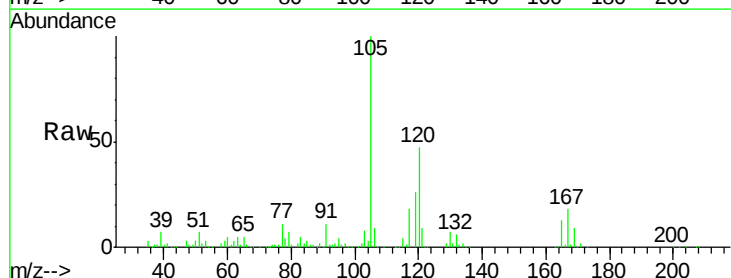
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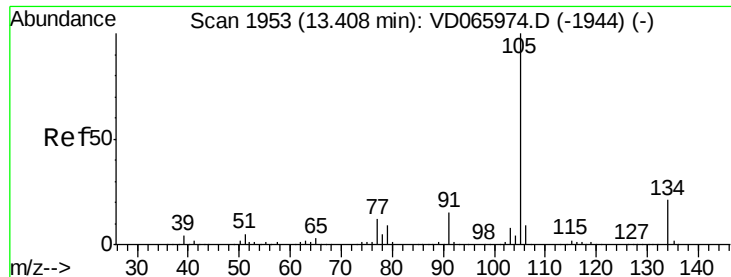
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#84
1,2,4-Trimethylbenzene
Concen: 52.030 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD066070.D
Acq: 27 Jul 2020 16:41

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	491004		
120	46.5	23.9	71.8	





#85

sec-Butylbenzene

Concen: 49.159 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD066070.D

Acq: 27 Jul 2020 16:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 566766

Ion Ratio Lower Upper

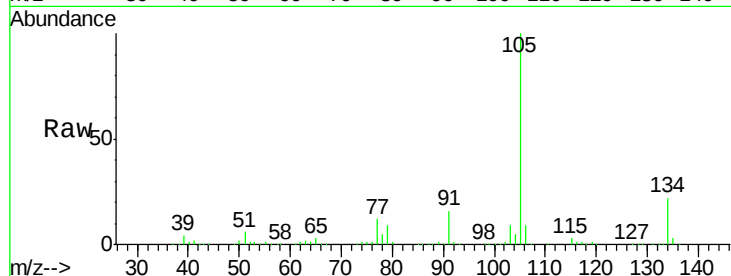
105 100

134 21.6 10.4 31.4

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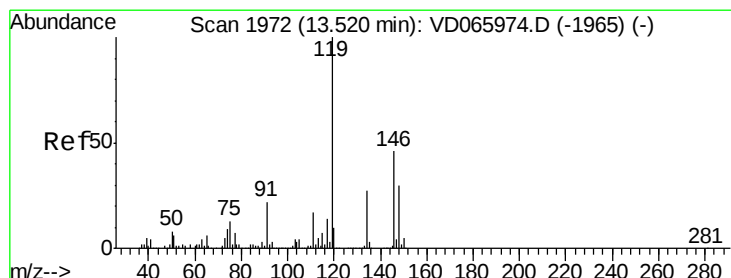
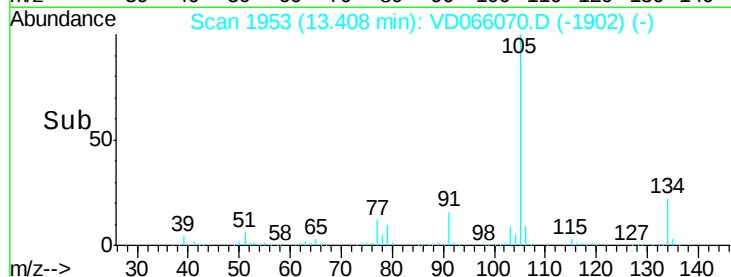
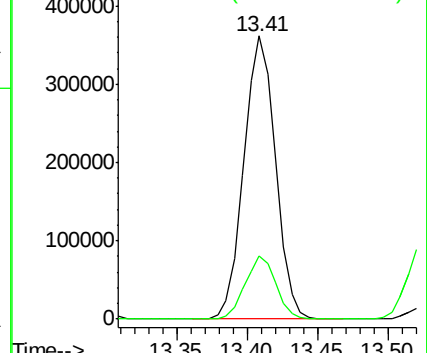
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.460 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VD066070.D

Acq: 27 Jul 2020 16:41

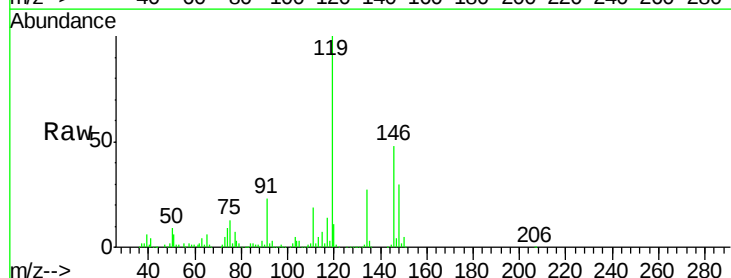
Tgt Ion:119 Resp: 539005

Ion Ratio Lower Upper

119 100

134 26.4 13.4 40.2

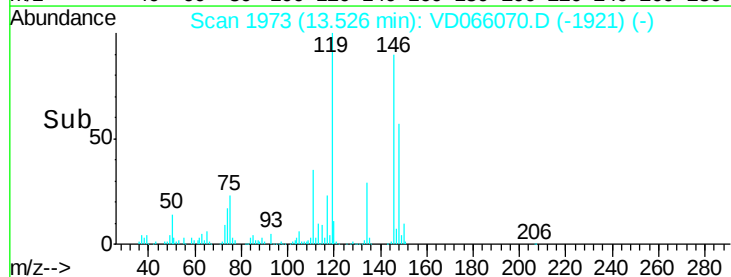
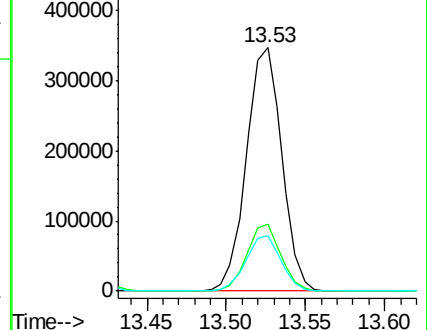
91 22.4 11.1 33.3

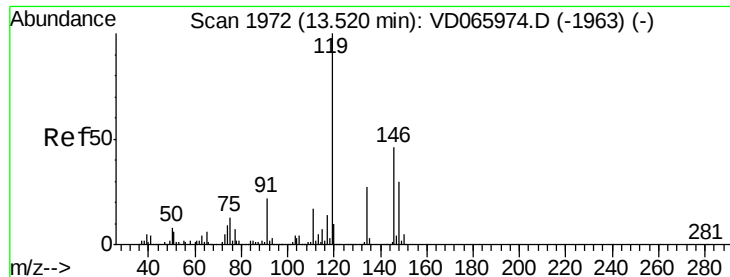


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





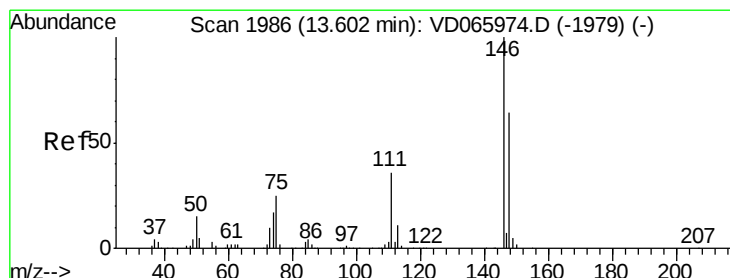
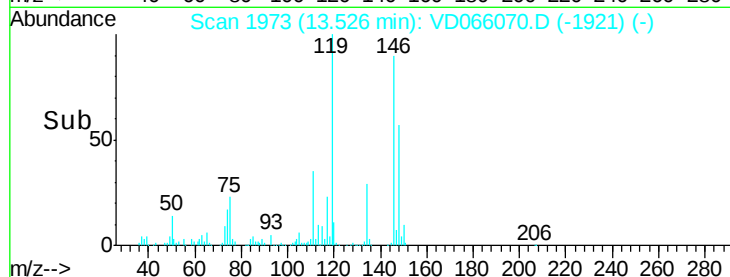
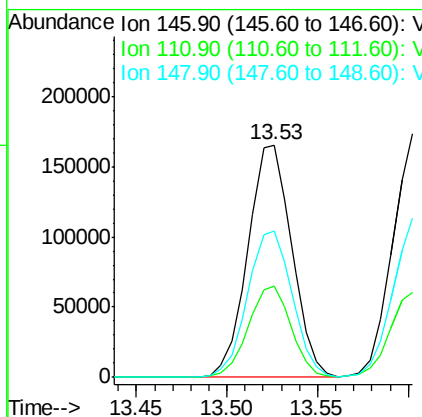
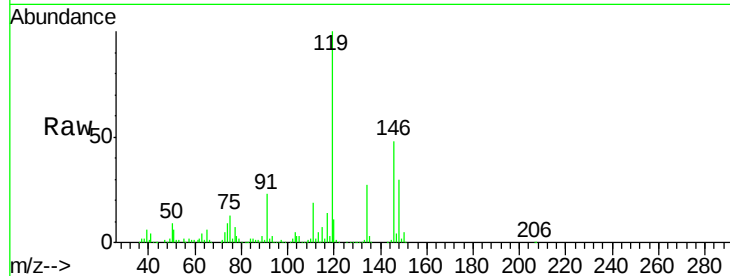
#87
 1,3-Dichlorobenzene
 Concen: 50.630 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD066070.D
 Acq: 27 Jul 2020 16:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.6	55.6
148	63.9	32.4	97.0

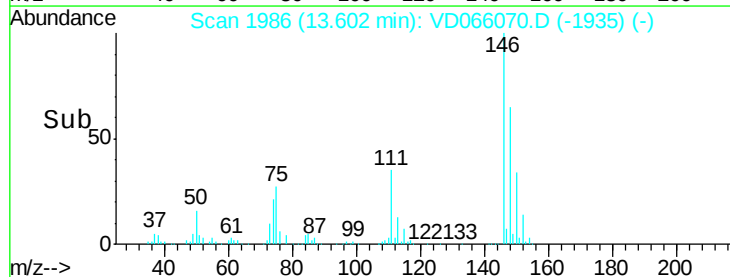
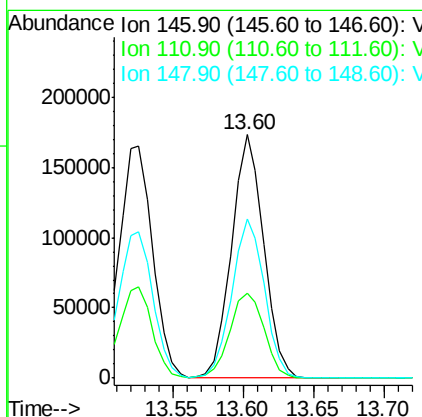
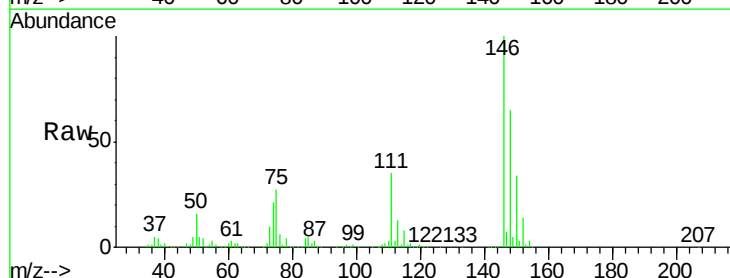
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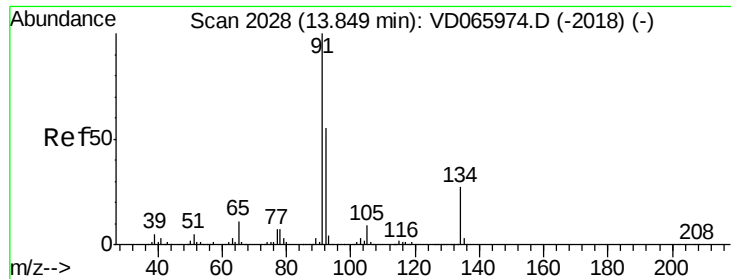
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#88
 1,4-Dichlorobenzene
 Concen: 49.126 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD066070.D
 Acq: 27 Jul 2020 16:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.8	56.4
148	66.3	32.2	96.6





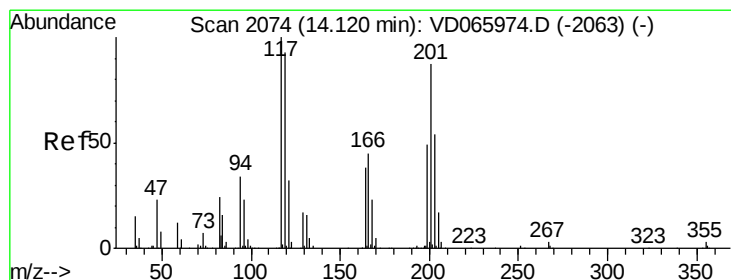
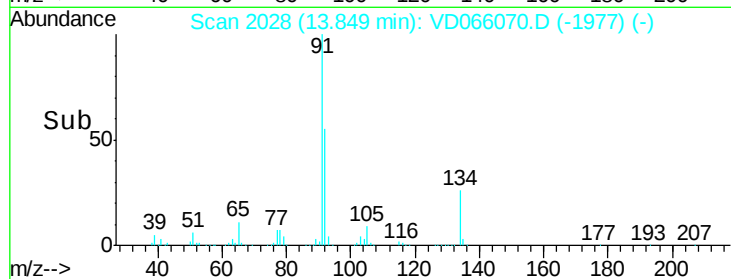
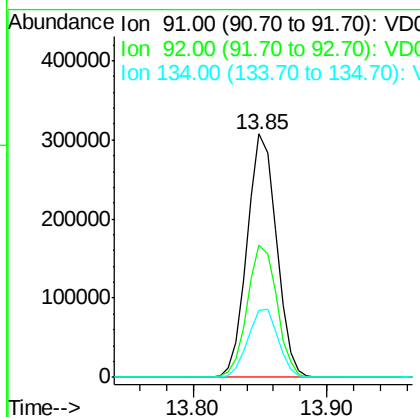
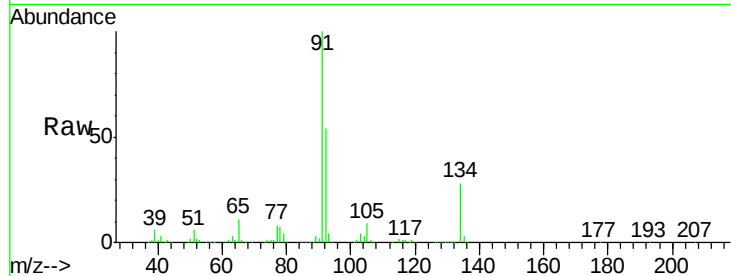
#89
n-Butylbenzene
Concen: 47.874 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD066070.D
Acq: 27 Jul 2020 16:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.5	27.2	81.6
134	28.9	13.8	41.4

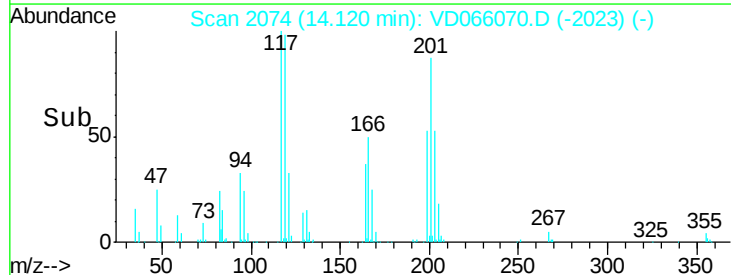
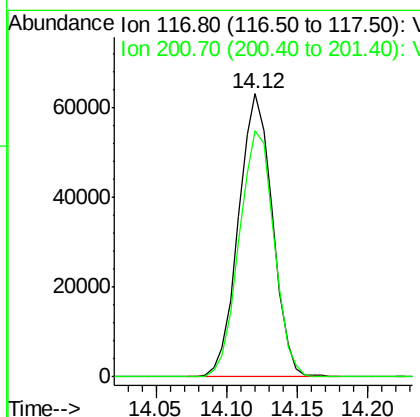
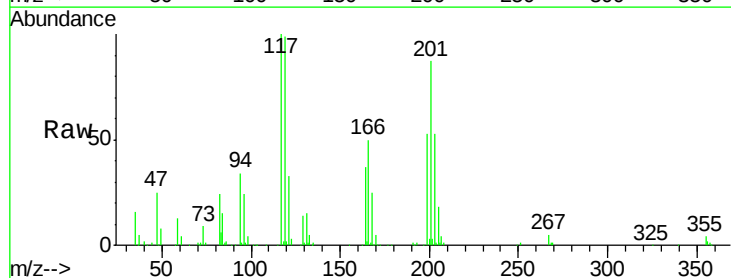
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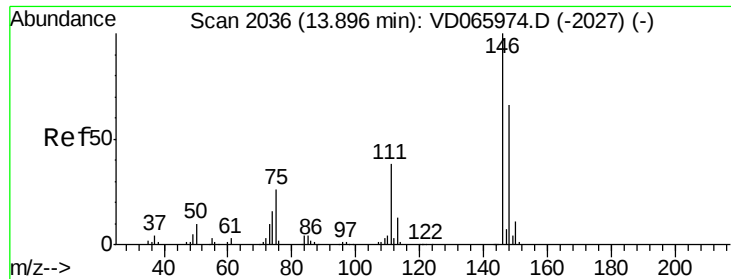
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#90
Hexachloroethane
Concen: 48.892 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD066070.D
Acq: 27 Jul 2020 16:41

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.4	42.0	126.1





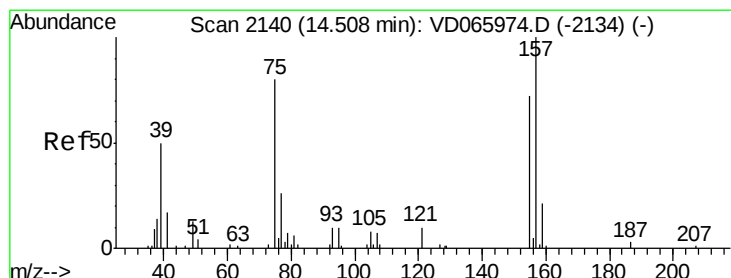
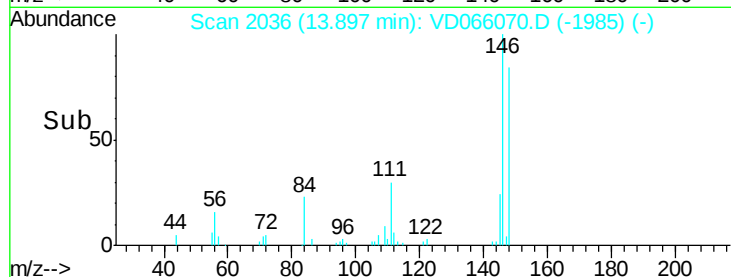
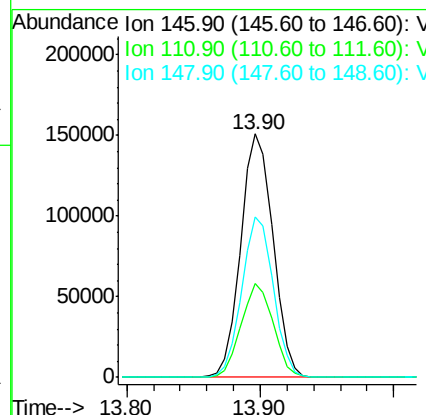
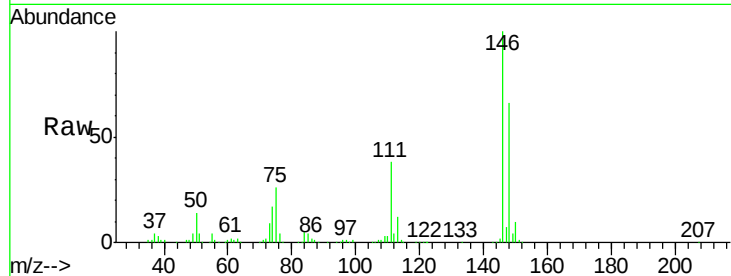
#91
 1,2-Dichlorobenzene
 Concen: 52.693 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD066070.D
 Acq: 27 Jul 2020 16:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.3	57.9
148	64.5	32.7	98.1

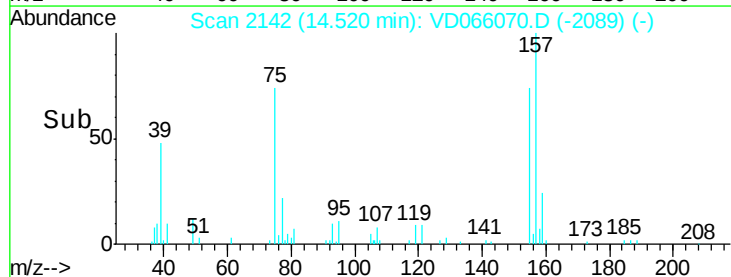
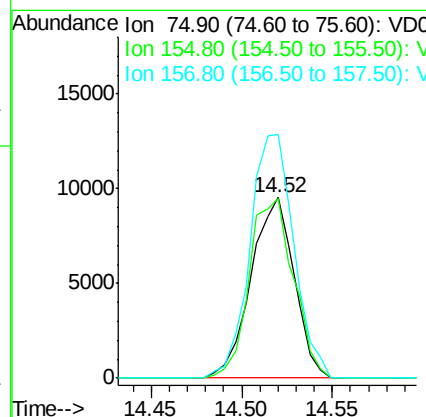
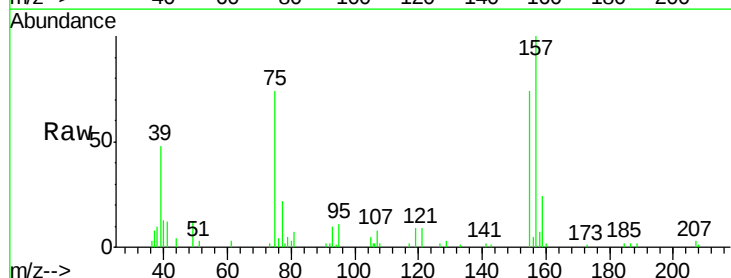
Manual Integrations
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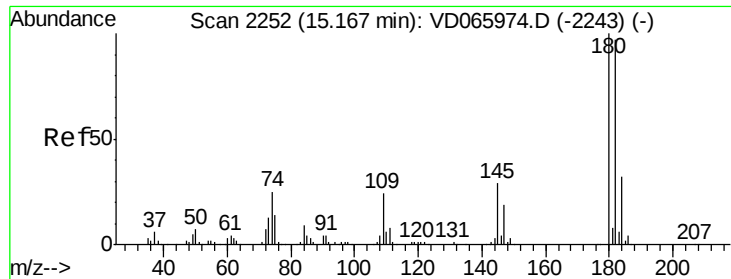
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.774 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD066070.D
 Acq: 27 Jul 2020 16:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.3	48.5	145.5
157	137.7	64.7	194.1





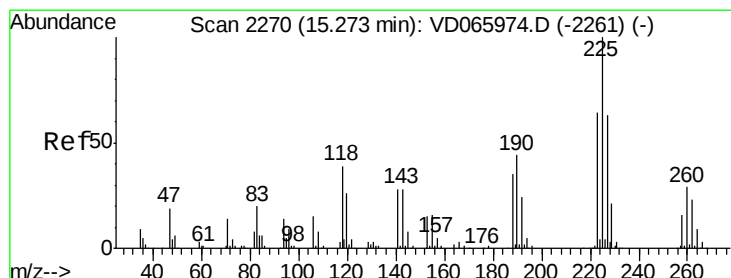
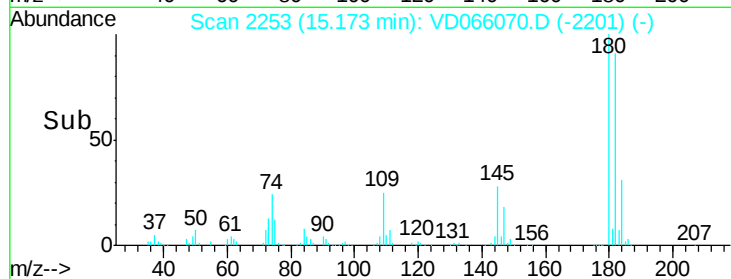
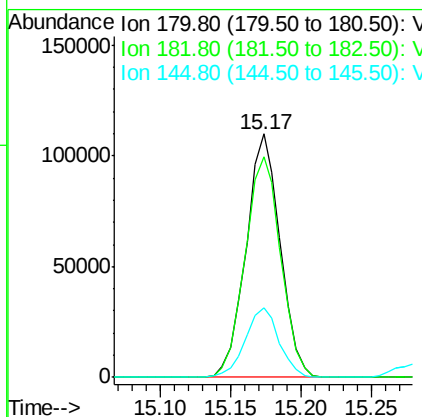
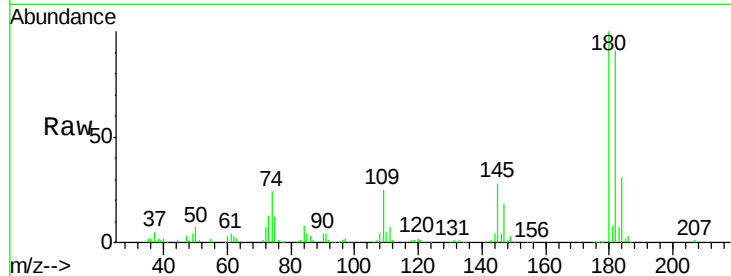
#93
 1,2,4-Trichlorobenzene
 Concen: 54.005 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD066070.D
 Acq: 27 Jul 2020 16:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	185565		
182	94.8	48.1	144.3	
145	28.5	14.7	44.1	

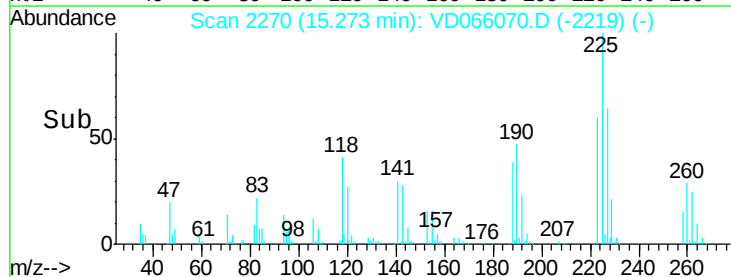
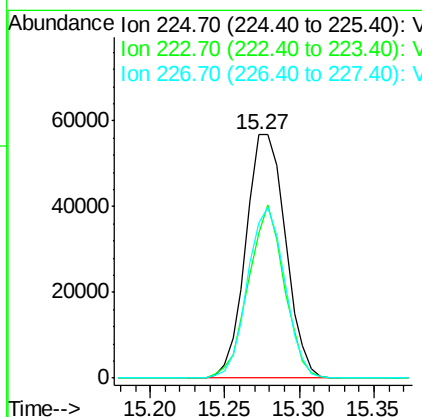
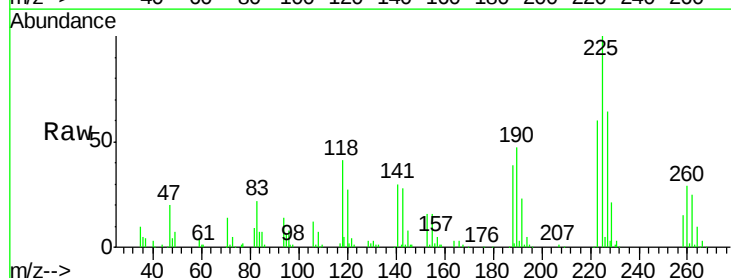
Manual Integrations
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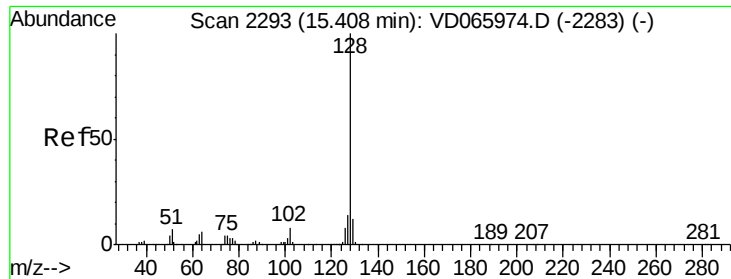
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#94
 Hexachlorobutadiene
 Concen: 49.183 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066070.D
 Acq: 27 Jul 2020 16:41

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	104479		
223	64.1	31.2	93.6	
227	65.6	31.6	94.8	





#95

Naphthalene

Concen: 50.270 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.01 min

Lab File: VD066070.D

Acq: 27 Jul 2020 16:41

Instrument :

MSVOA_D

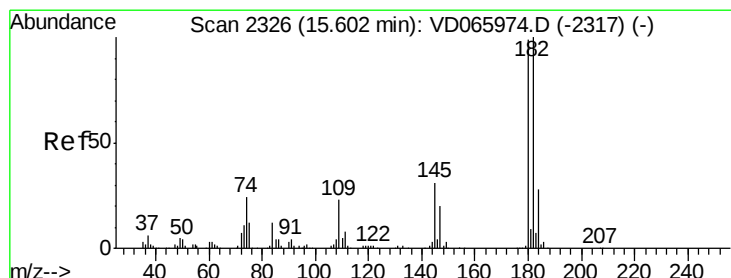
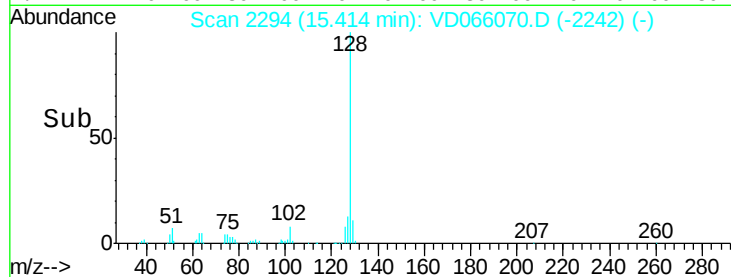
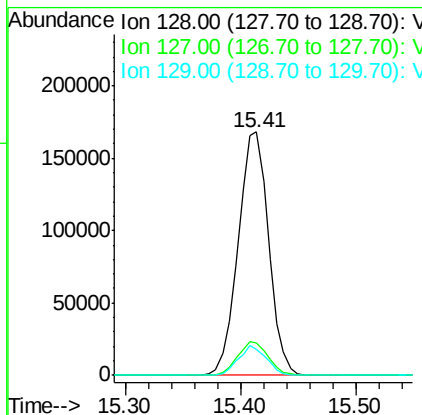
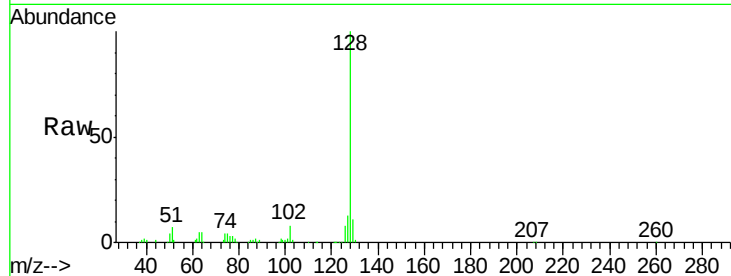
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	307301
Ion Ratio	Lower	Upper	
128	100		
127	13.9	10.8	16.2
129	11.3	8.9	13.3

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 56.077 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VD066070.D

Acq: 27 Jul 2020 16:41

Tgt Ion:	180	Resp:	167508
Ion Ratio	Lower	Upper	
180	100		
182	94.1	47.9	143.6
145	30.5	15.4	46.2

