

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120320\
 Data File : VD067860.D
 Acq On : 03 Dec 2020 11:28
 Operator : VA/SY
 Sample : VD1203SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1203SBS01

Manual Integrations
 APPROVED

MMDadoda
 12/4/2020 11:26:32 AM

Quant Time: Dec 04 02:36:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 02 08:05:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	236580	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	338323	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	316092	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	166476	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	119321	46.98	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.96%
35) Dibromofluoromethane	7.92	113	108654	47.99	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.98%
50) Toluene-d8	10.34	98	394091	48.36	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	96.72%
62) 4-Bromofluorobenzene	12.64	95	145591	51.67	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	103.34%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	38584	18.740	ug/l	99
3) Chloromethane	2.21	50	22467	18.908	ug/l	95
4) Vinyl Chloride	2.35	62	29570	19.760	ug/l	100
5) Bromomethane	2.77	94	32735	24.504	ug/l	90
6) Chloroethane	2.92	64	20670	21.215	ug/l	92
7) Trichlorofluoromethane	3.28	101	90400	19.741	ug/l	94
8) Diethyl Ether	3.71	74	17163	19.230	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.10	101	41137	19.700	ug/l	95
10) Methyl Iodide	4.31	142	33622	15.191	ug/l	97
11) Tert butyl alcohol	5.23	59	18998m	114.346	ug/l	
12) 1,1-Dichloroethene	4.07	96	38403	19.589	ug/l	94
13) Acrolein	3.93	56	7830	80.225	ug/l	97
14) Allyl chloride	4.72	41	34852	19.217	ug/l	95
15) Acrylonitrile	5.42	53	28868	93.280	ug/l	99
16) Acetone	4.16	43	27032	86.133	ug/l #	82
17) Carbon Disulfide	4.41	76	105468	19.269	ug/l	99
18) Methyl Acetate	4.71	43	11462	19.009	ug/l #	70
19) Methyl tert-butyl Ether	5.48	73	85475	20.362	ug/l	95
20) Methylene Chloride	4.97	84	53069	23.966	ug/l #	92
21) trans-1,2-Dichloroethene	5.47	96	45221	20.271	ug/l	90
22) Diisopropyl ether	6.37	45	75123	20.595	ug/l	98
23) Vinyl Acetate	6.31	43	200374m	98.744	ug/l	
24) 1,1-Dichloroethane	6.27	63	63107	19.736	ug/l	98
25) 2-Butanone	7.21	43	31665	95.926	ug/l #	87
26) 2,2-Dichloropropane	7.21	77	79035	20.728	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	50516	20.703	ug/l	99
28) Bromochloromethane	7.55	49	18920	18.637	ug/l	99
29) Tetrahydrofuran	7.56	42	17554	93.396	ug/l	92
30) Chloroform	7.71	83	85213	19.942	ug/l	99
31) Cyclohexane	7.98	56	53400	19.956	ug/l #	80
32) 1,1,1-Trichloroethane	7.90	97	90881	20.148	ug/l	99
36) 1,1-Dichloropropene	8.11	75	60821	20.766	ug/l	100
37) Ethyl Acetate	7.30	43	14869	18.837	ug/l #	82
38) Carbon Tetrachloride	8.10	117	88281	19.922	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	70560	20.330	ug/l	99
40) Benzene	8.36	78	163433	20.393	ug/l	98
41) Methacrylonitrile	7.53	41	7781	17.882	ug/l #	76
42) 1,2-Dichloroethane	8.43	62	56934	19.933	ug/l	99
43) Isopropyl Acetate	8.46	43	29143	18.764	ug/l	98
44) Trichloroethene	9.11	130	54843	19.904	ug/l	100
45) 1,2-Dichloropropane	9.39	63	31279	19.016	ug/l	94
46) Dibromomethane	9.48	93	22406	19.592	ug/l	95
47) Bromodichloromethane	9.67	83	64620	19.820	ug/l	98
48) Methyl methacrylate	9.46	41	15789	20.020	ug/l	89
49) 1,4-Dioxane	9.46	88	4437	339.540	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	71257	96.936	ug/l	98
52) Toluene	10.41	92	115313	20.580	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	56683	20.143	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	60572	19.789	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	29165	18.635	ug/l	91
56) Ethyl methacrylate	10.67	69	29870	18.758	ug/l	99
57) 1,3-Dichloropropane	10.95	76	46961	18.942	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.94	63	60722	83.802	ug/l	99
59) 2-Hexanone	10.99	43	48219	93.050	ug/l	100
60) Dibromochloromethane	11.14	129	48542	20.575	ug/l	97
61) 1,2-Dibromoethane	11.25	107	29071	18.889	ug/l	96
64) Tetrachloroethene	10.88	164	51815	20.096	ug/l	97
65) Chlorobenzene	11.67	112	129289	19.823	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	53650	20.168	ug/l	93
67) Ethyl Benzene	11.75	91	225476	20.294	ug/l	100
68) m/p-Xylenes	11.86	106	178784	40.809	ug/l	98
69) o-Xylene	12.18	106	79916	20.548	ug/l	98
70) Styrene	12.20	104	137113	20.274	ug/l	99
71) Bromoform	12.37	173	26970	19.153	ug/l #	98
73) Isopropylbenzene	12.48	105	231602	20.230	ug/l	99
74) N-amyl acetate	12.29	43	25498	18.005	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.73	83	28132	18.612	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	26348m	21.733	ug/l	
77) Bromobenzene	12.77	156	57528	20.212	ug/l	98
78) n-propylbenzene	12.83	91	256064	20.180	ug/l	99
79) 2-Chlorotoluene	12.91	91	151100	20.242	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	204261	20.607	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	9579	18.901	ug/l	96
82) 4-Chlorotoluene	13.01	91	157549	19.785	ug/l	99
83) tert-Butylbenzene	13.23	119	176939	20.977	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	203930	20.690	ug/l	99
85) sec-Butylbenzene	13.41	105	221135	19.643	ug/l	98
86) p-Isopropyltoluene	13.52	119	220685	20.001	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	108272	19.721	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	107538	19.579	ug/l	97
89) n-Butylbenzene	13.85	91	184307	20.106	ug/l	99
90) Hexachloroethane	14.11	117	38913	19.103	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	94829	19.915	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	6301	19.975	ug/l	85

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ClientSampleId :
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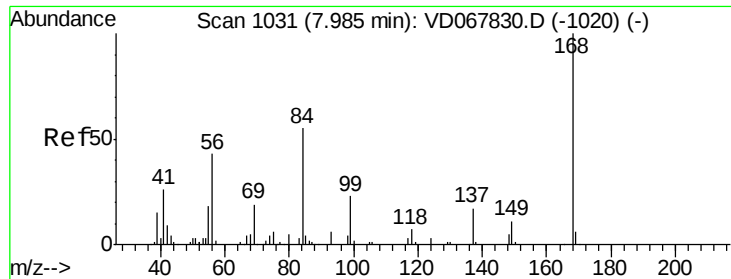
Manual Integrations
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	64704	19.426	ug/l	98
94) Hexachlorobutadiene	15.27	225	43497	20.013	ug/l	96
95) Naphthalene	15.40	128	98927	18.252	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	56824	19.755	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067860.D

Acq: 03 Dec 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

VD1203SBSD01

Tot Ion:168 Resp: 236580

Ion Ratio Lower Upper

168 100

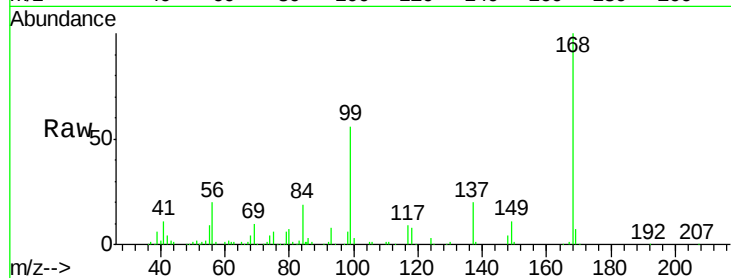
99 55.5 47.1 70.7

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

120000

100000

80000

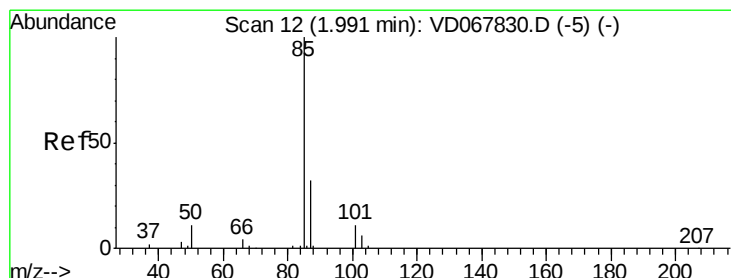
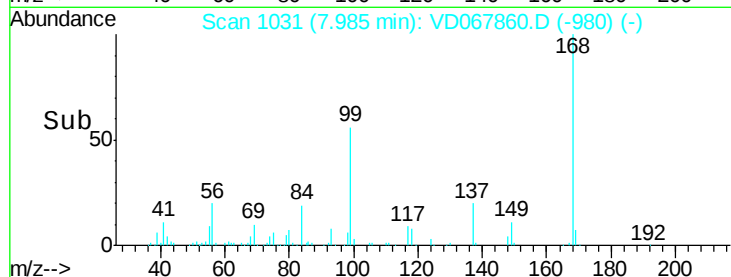
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.740 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD067860.D

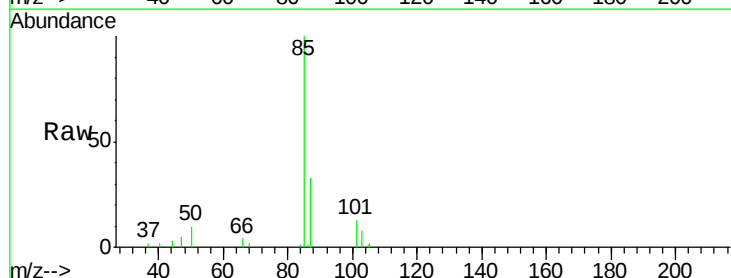
Acq: 03 Dec 2020 11:28

Tgt Ion: 85 Resp: 38584

Ion Ratio Lower Upper

85 100

87 32.5 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

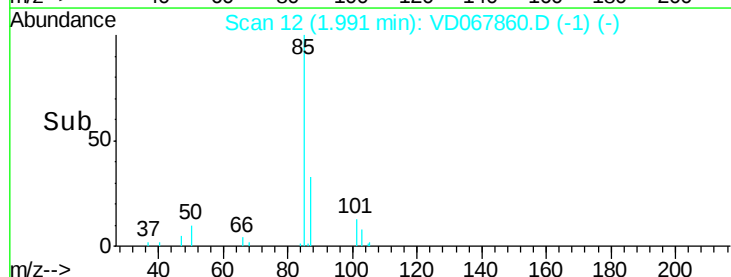
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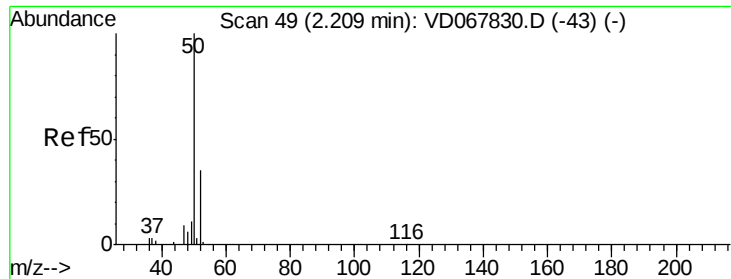
20000

10000

0

Time-->





#3

Chloromethane

Concen: 18.908 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067860.D

Acq: 03 Dec 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

VD1203SBSD01

Tot Ion: 50 Resp: 22467

Ion Ratio Lower Upper

50 100

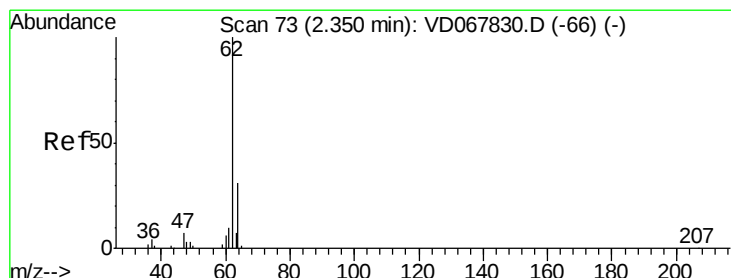
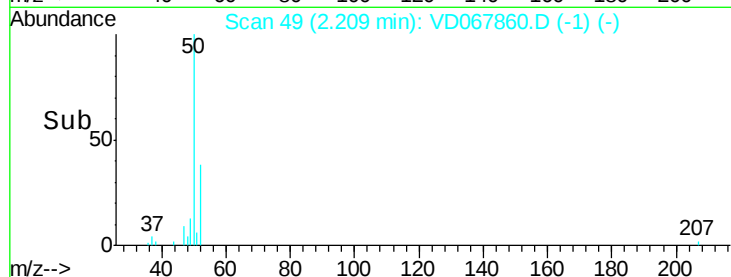
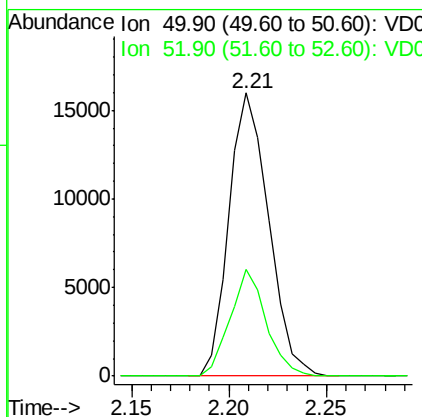
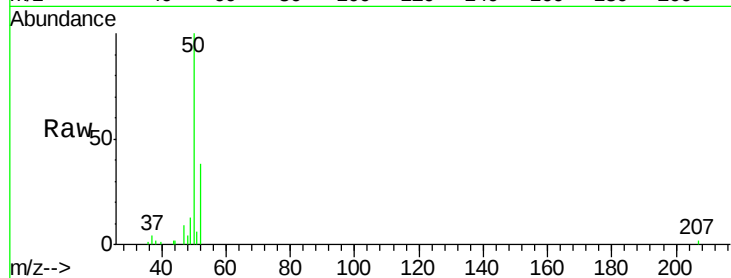
52 37.8 27.8 41.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.760 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067860.D

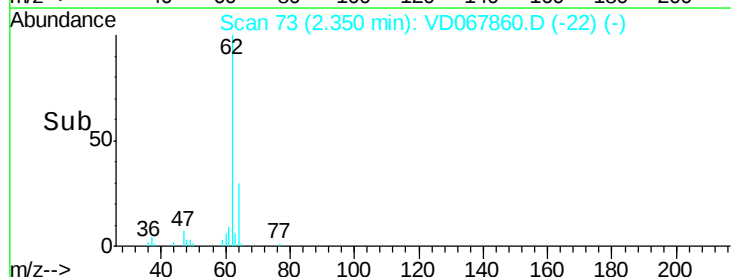
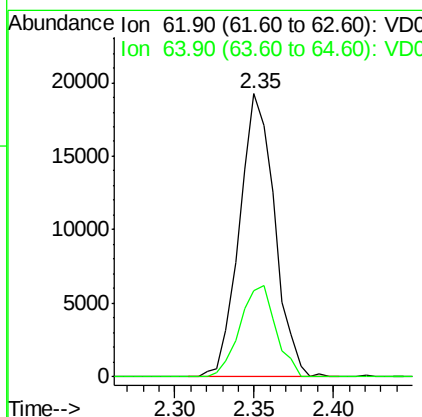
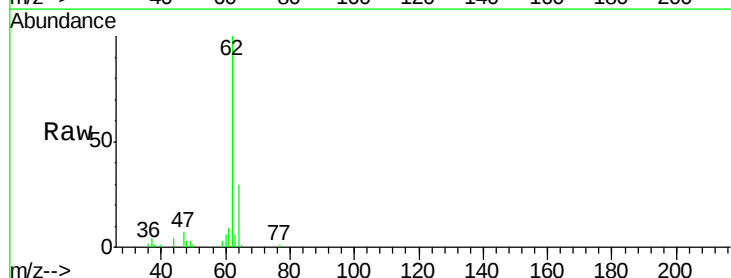
Acq: 03 Dec 2020 11:28

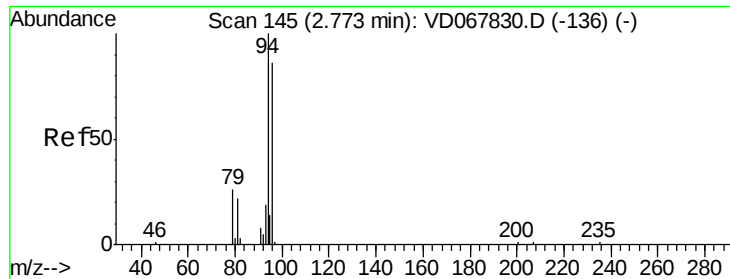
Tgt Ion: 62 Resp: 29570

Ion Ratio Lower Upper

62 100

64 30.4 24.5 36.7





#5

Bromomethane

Concen: 24.504 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067860.D

Acq: 03 Dec 2020 11:28

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VD1203SBSD01

Tot Ion: 94 Resp: 32735

Ion Ratio Lower Upper

94 100

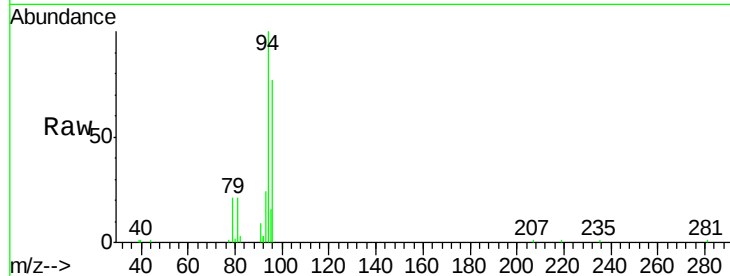
96 77.1 68.7 103.1

Manual Integrations

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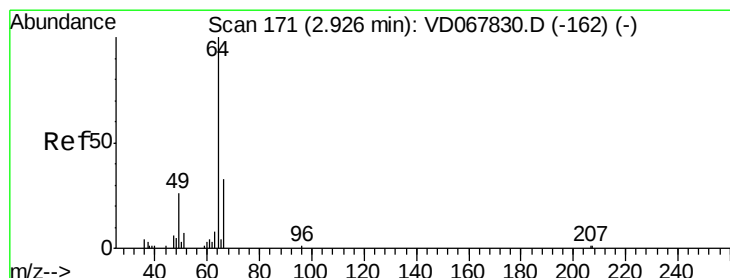
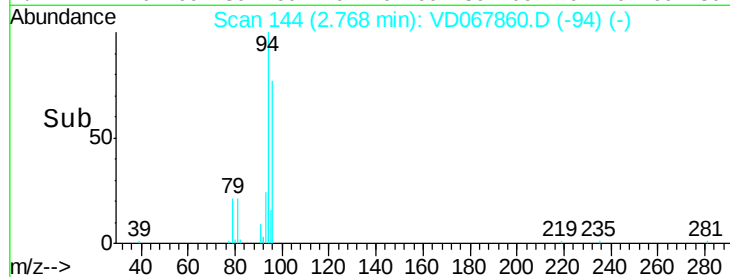
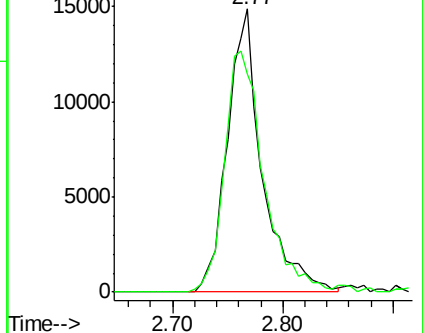
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 21.215 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD067860.D

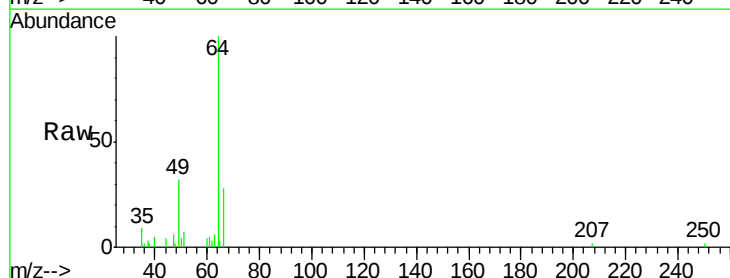
Acq: 03 Dec 2020 11:28

Tgt Ion: 64 Resp: 20670

Ion Ratio Lower Upper

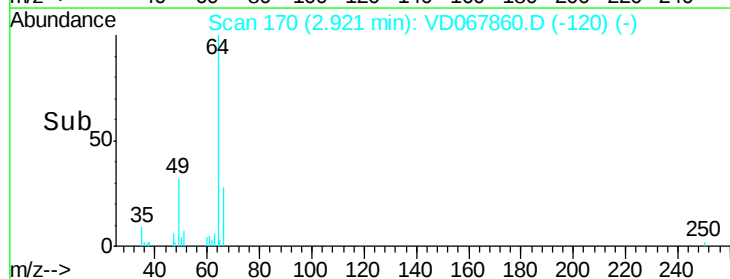
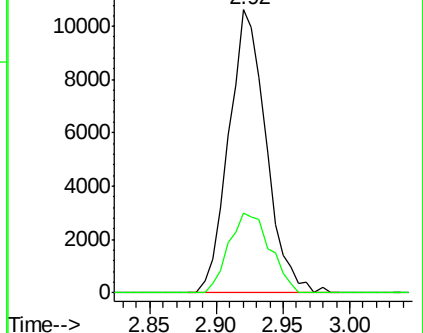
64 100

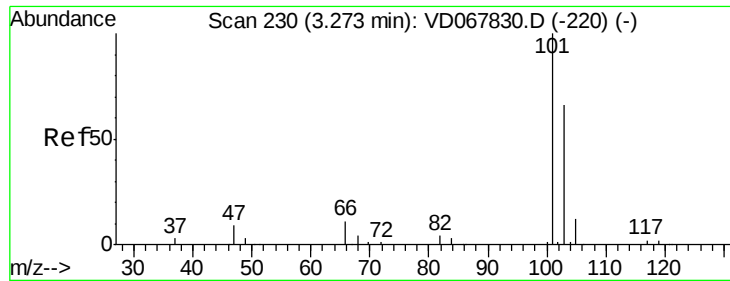
66 28.4 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

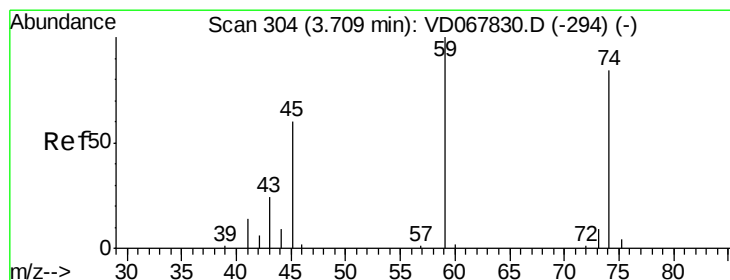
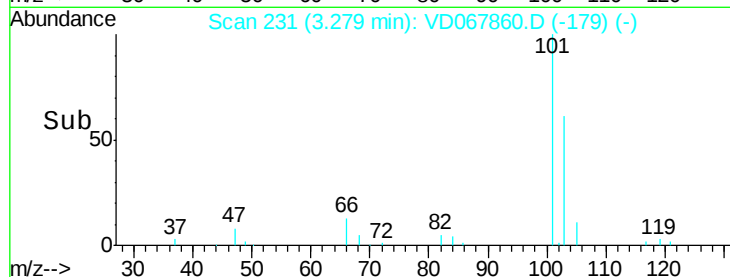
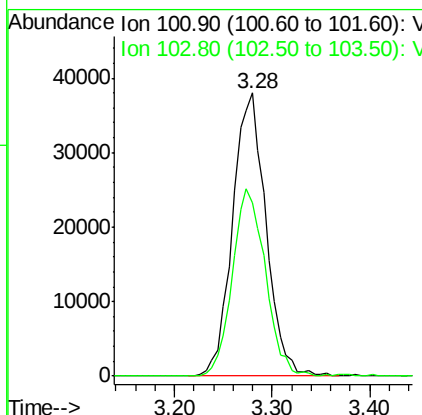
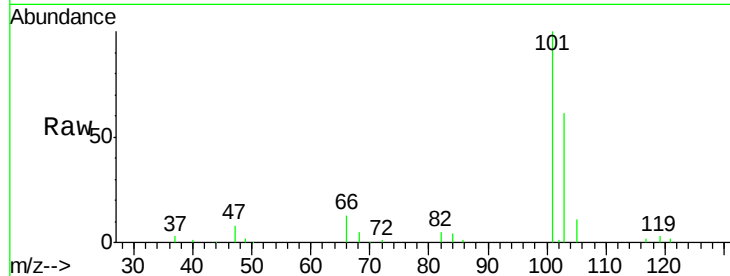
Trichlorofluoromethane
 Concen: 19.741 ug/l
 RT: 3.28 min Scan# 231
 Delta R.T. 0.01 min
 Lab File: VD067860.D
 Acq: 03 Dec 2020 11:28

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		90400		
103	61.2	53.0	79.6		

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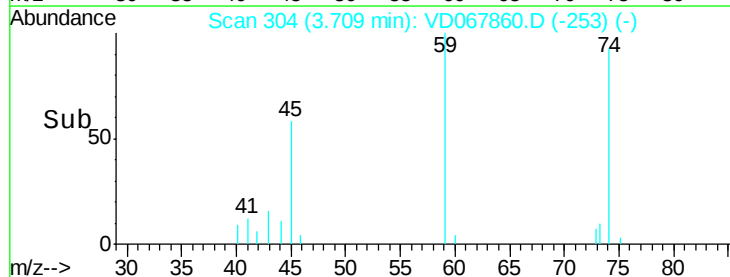
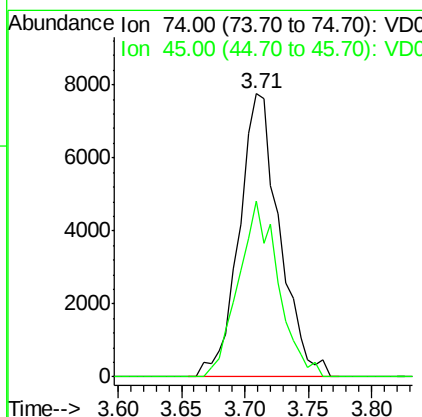
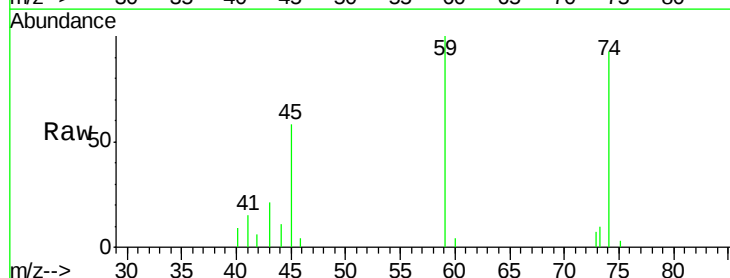
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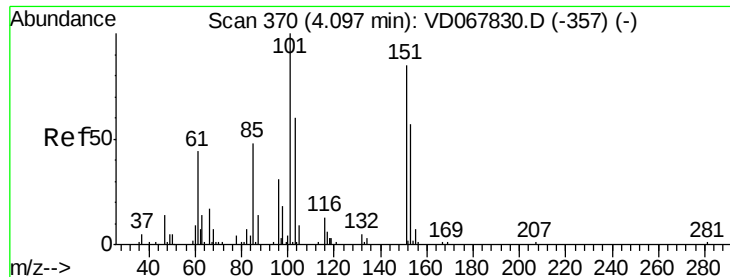


#8

Diethyl Ether
 Concen: 19.230 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD067860.D
 Acq: 03 Dec 2020 11:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		17163		
45	61.3	33.9	101.7		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.700 ug/l

RT: 4.10 min Scan# 371

Delta R.T. 0.01 min

Lab File: VD067860.D

Acq: 03 Dec 2020 11:28

Instrument :

MSVOA_D

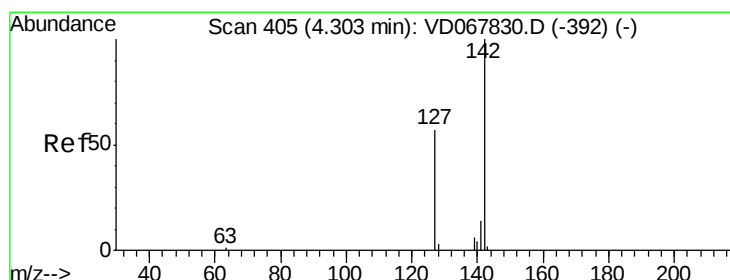
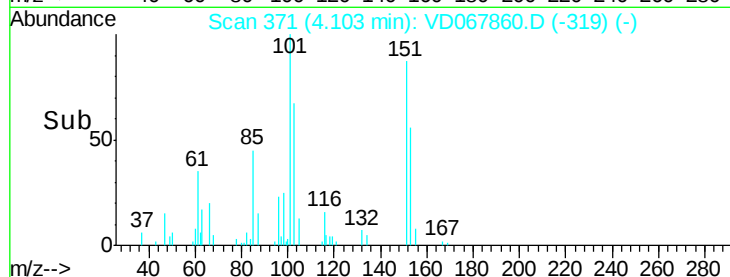
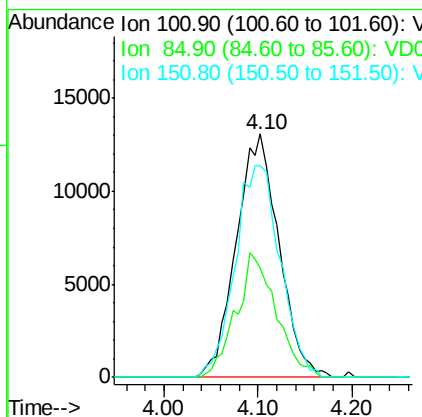
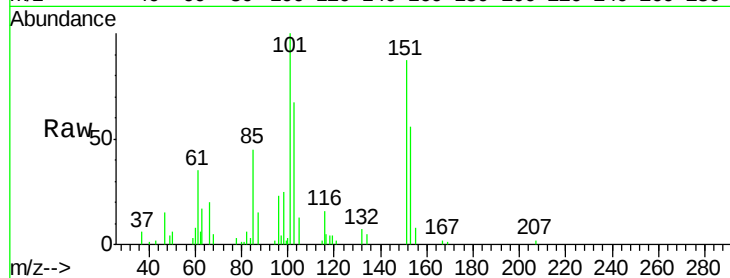
ClientSampleId :

VD1203SBSD01

Tot Ion:	101	Resp:	41137
Ion Ratio	Lower	Upper	
101	100		
85	47.9	36.2	54.4
151	92.1	69.4	104.2

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#10

Methyl Iodide

Concen: 15.191 ug/l

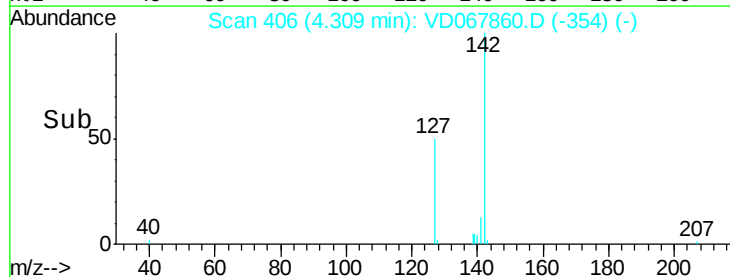
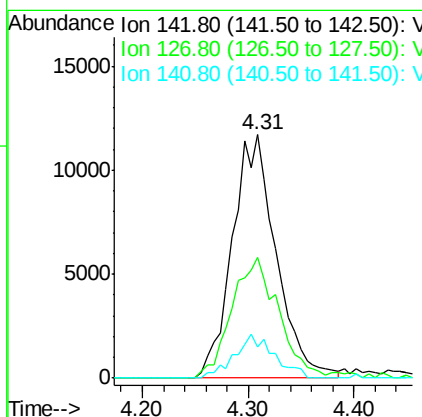
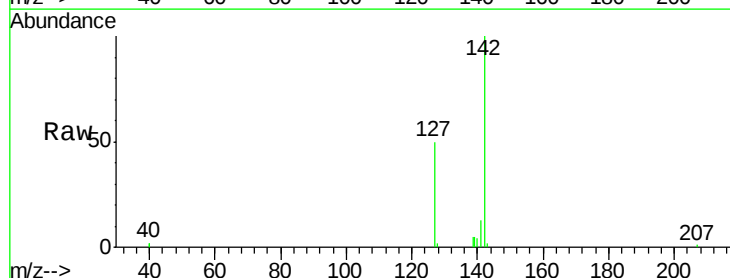
RT: 4.31 min Scan# 406

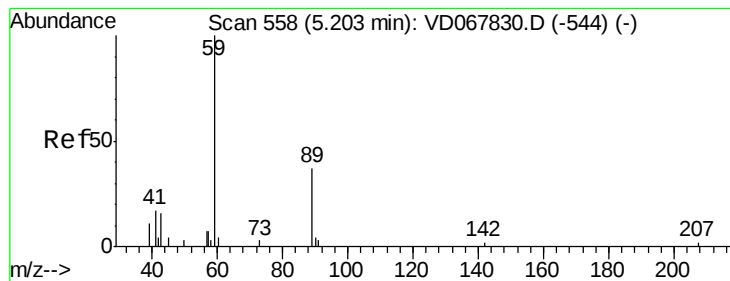
Delta R.T. 0.01 min

Lab File: VD067860.D

Acq: 03 Dec 2020 11:28

Tgt Ion:	142	Resp:	33622
Ion Ratio	Lower	Upper	
142	100		
127	52.7	43.9	65.9
141	16.2	12.2	18.2





#11

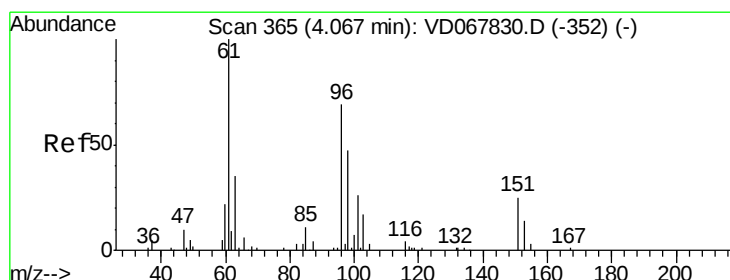
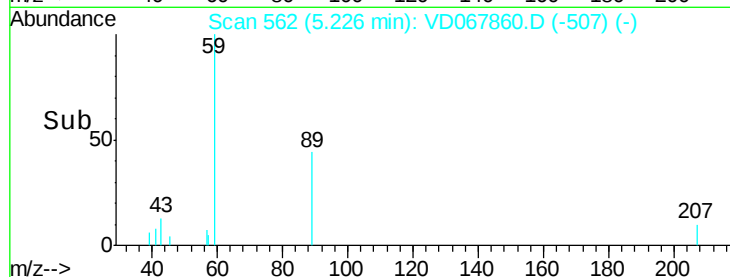
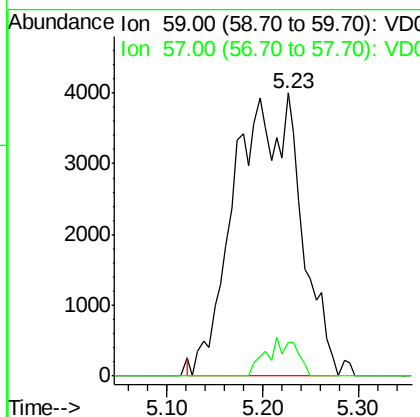
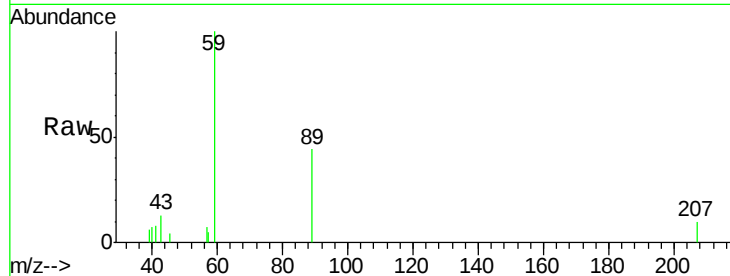
Tert butyl alcohol
 Concen: 114.346 ug/l m
 RT: 5.23 min Scan# 562
 Delta R.T. 0.02 min
 Lab File: VD067860.D
 Acq: 03 Dec 2020 11:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1203SBSD01

Tot Ion: 59 Resp: 18998
 Ion Ratio Lower Upper
 59 100
 57 6.2 7.7 11.5#

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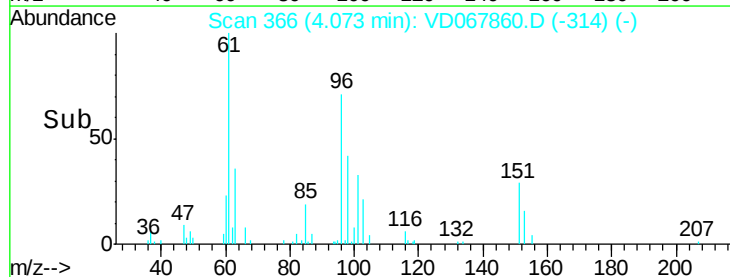
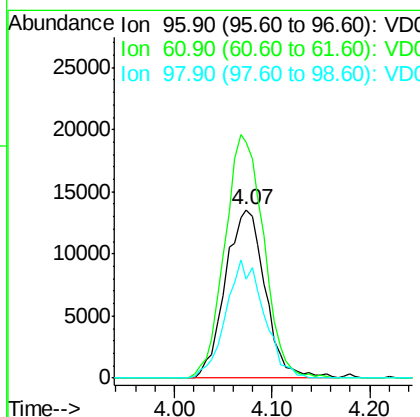
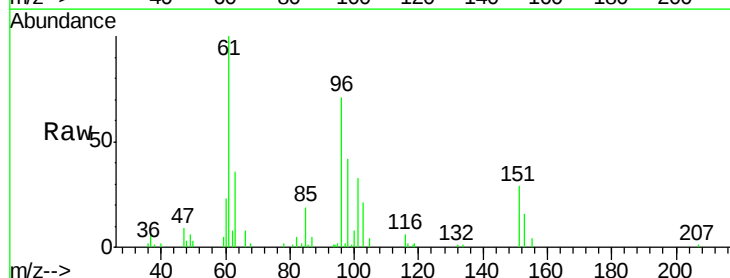
MMDadoda
 12/4/2020 11:26:32 AM

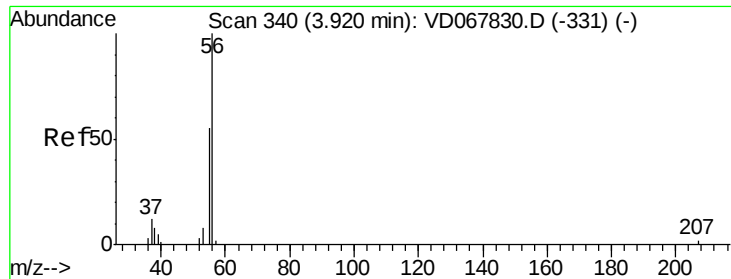


#12

1,1-Dichloroethene
 Concen: 19.589 ug/l
 RT: 4.07 min Scan# 366
 Delta R.T. 0.01 min
 Lab File: VD067860.D
 Acq: 03 Dec 2020 11:28

Tgt Ion: 96 Resp: 38403
 Ion Ratio Lower Upper
 96 100
 61 140.5 116.1 174.1
 98 58.5 54.6 82.0





#13

Acrolein

Concen: 80.225 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD067860.D

Acq: 03 Dec 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

VD1203SBSD01

Tot Ion: 56 Resp: 7830

Ion Ratio Lower Upper

56 100

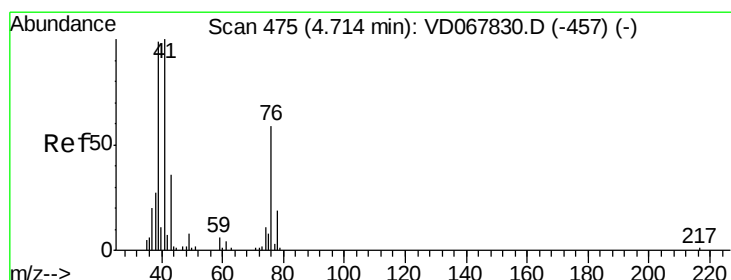
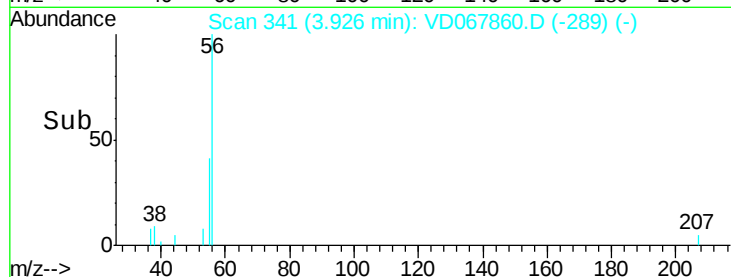
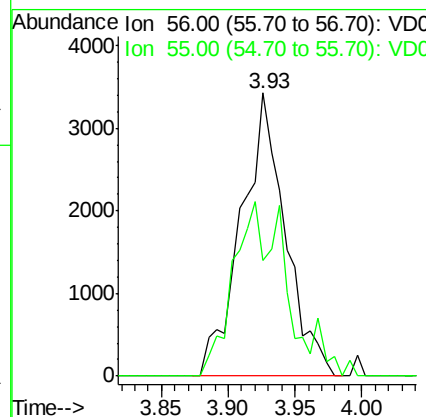
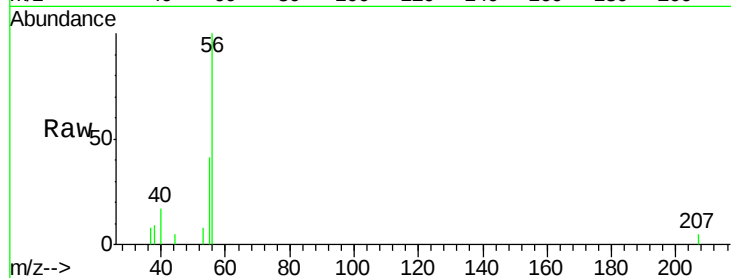
55 68.5 56.5 84.7

Manual Integrations

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#14

Allyl chloride

Concen: 19.217 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD067860.D

Acq: 03 Dec 2020 11:28

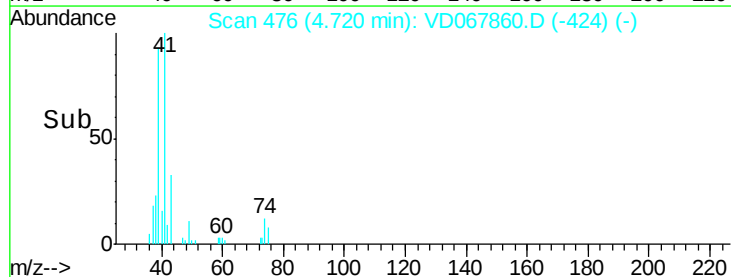
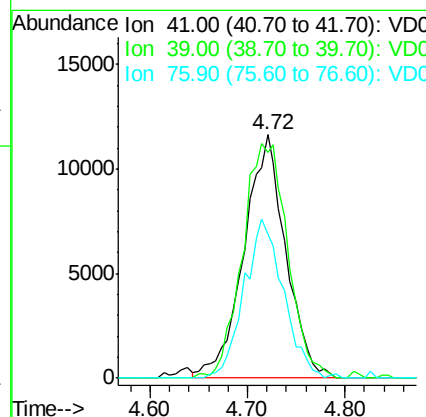
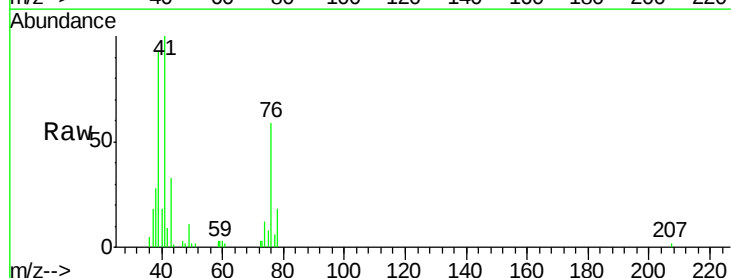
Tgt Ion: 41 Resp: 34852

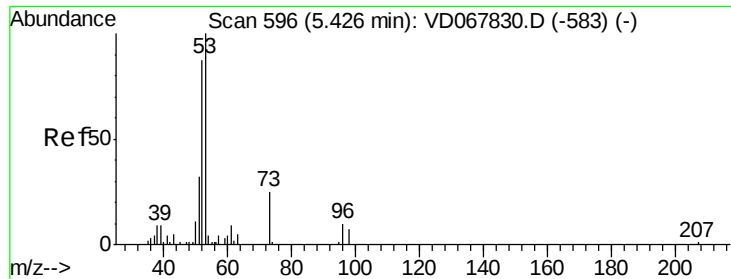
Ion Ratio Lower Upper

41 100

39 104.4 79.0 118.6

76 61.1 46.6 70.0





#15

Acrylonitrile

Concen: 93.280 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD067860.D

Acq: 03 Dec 2020 11:28

Instrument :

MSVOA_D

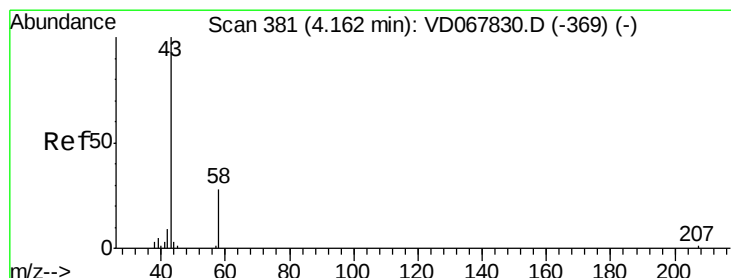
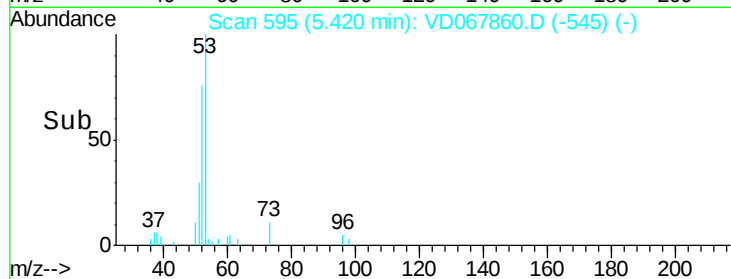
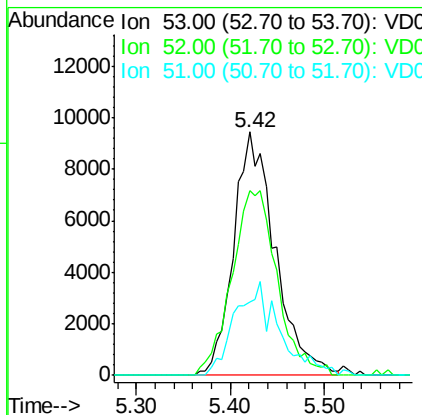
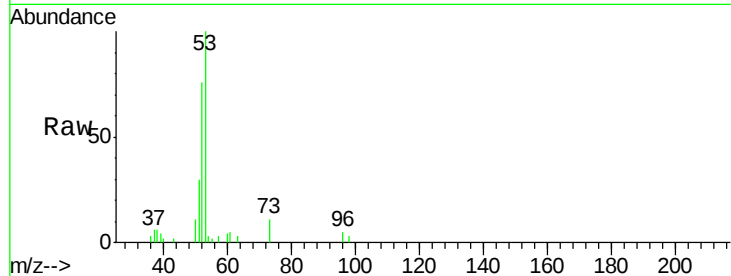
ClientSampleId :

VD1203SBS01

Tot Ion:	53	Resp:	28868
Ion Ratio	Lower	Upper	
53	100		
52	83.2	66.2	99.2
51	40.9	31.1	46.7

Manual Integrations
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#16

Acetone

Concen: 86.133 ug/l

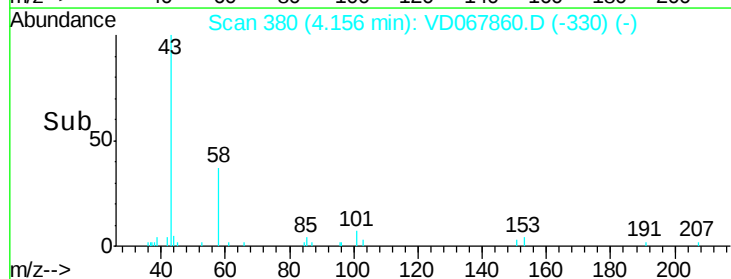
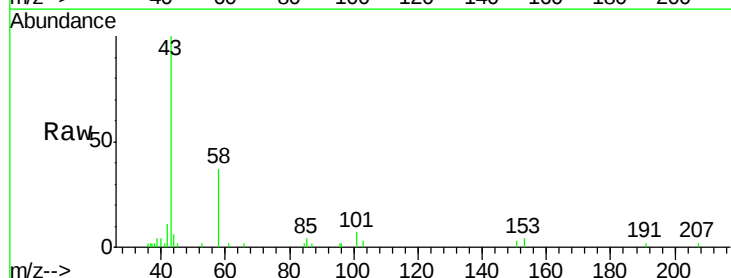
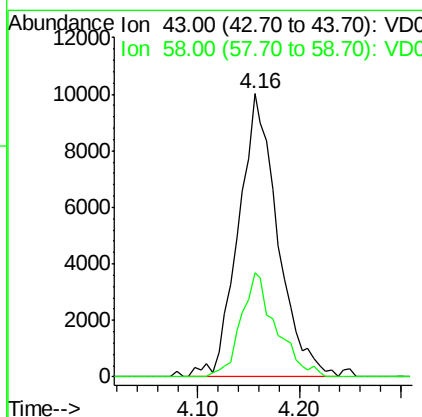
RT: 4.16 min Scan# 380

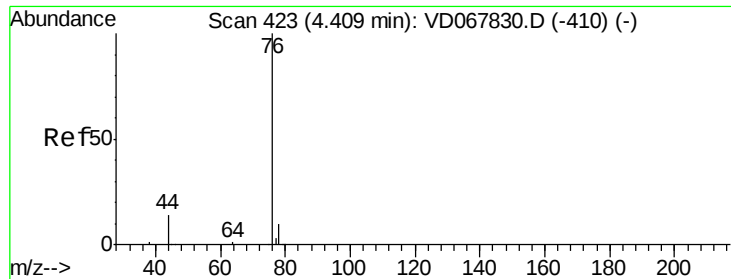
Delta R.T. -0.01 min

Lab File: VD067860.D

Acq: 03 Dec 2020 11:28

Tgt Ion:	43	Resp:	27032
Ion Ratio	Lower	Upper	
43	100		
58	37.0	21.9	32.9#





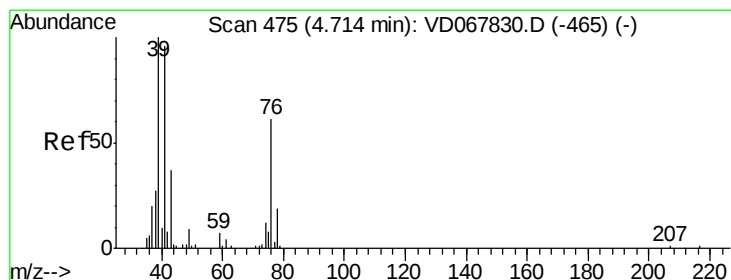
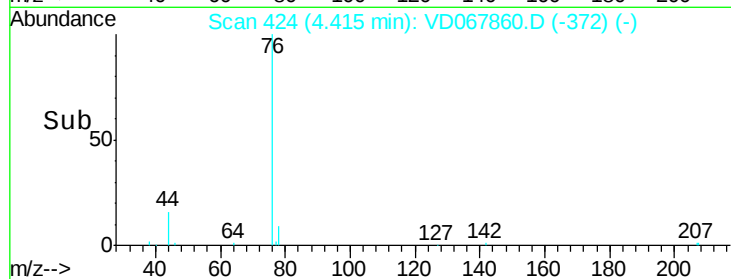
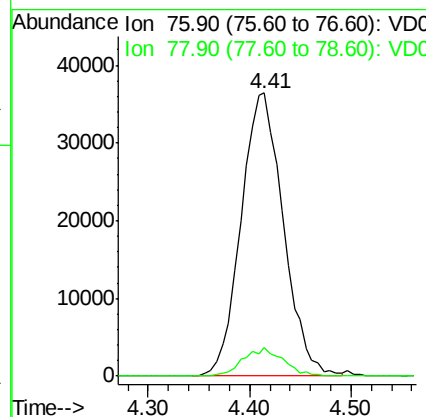
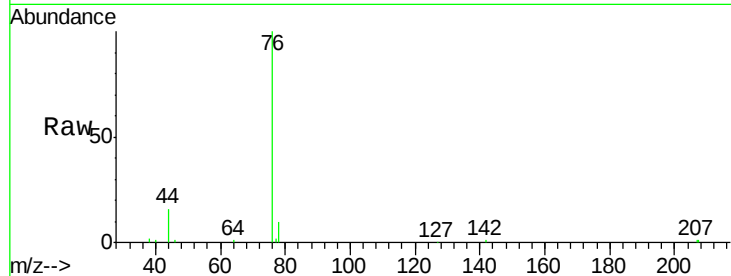
#17
Carbon Disulfide
Concen: 19.269 ug/l
RT: 4.41 min Scan# 424
Delta R.T. 0.01 min
Lab File: VD067860.D
Acq: 03 Dec 2020 11:28

Instrument :
MSVOA_D
ClientSampleId :
VD1203SBSD01

Tot Ion: 76 Resp: 105468
Ion Ratio Lower Upper
76 100
78 10.1 7.8 11.6

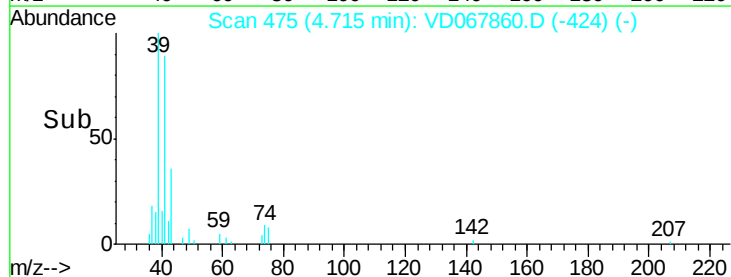
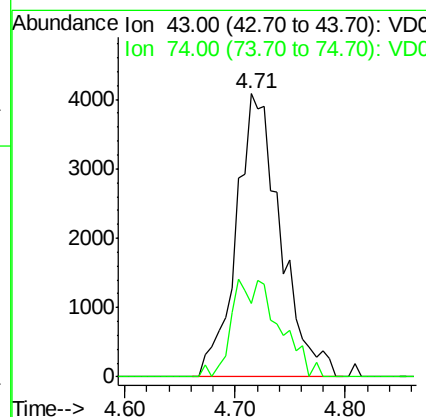
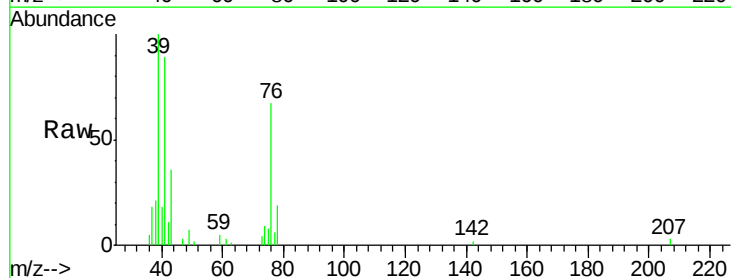
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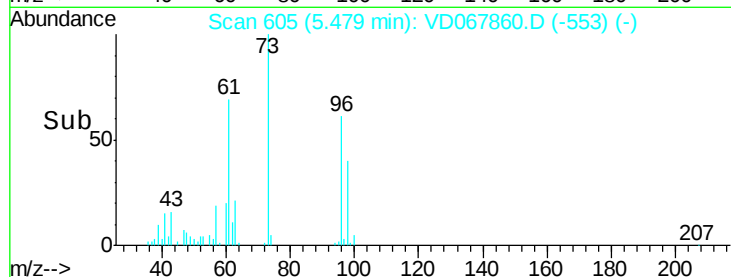
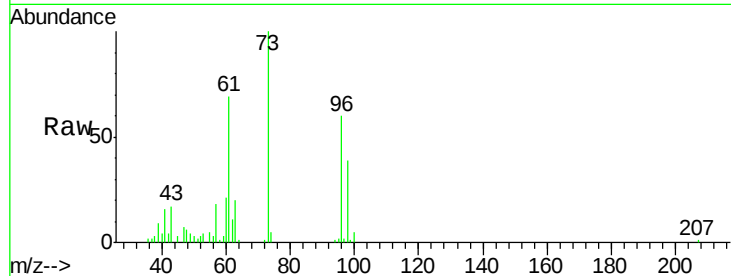
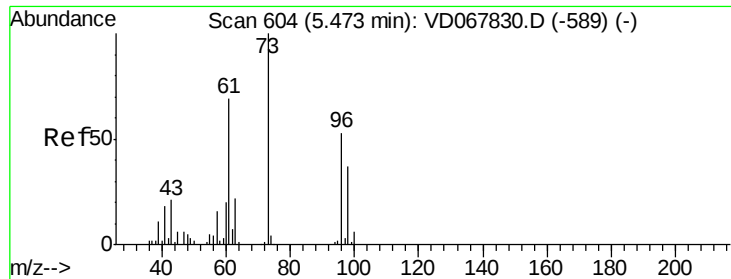
MMDadoda
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#18
Methyl Acetate
Concen: 19.009 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD067860.D
Acq: 03 Dec 2020 11:28

Tgt Ion: 43 Resp: 11462
Ion Ratio Lower Upper
43 100
74 16.4 27.0 40.4#





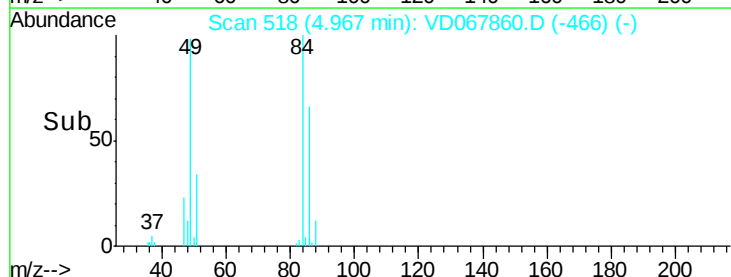
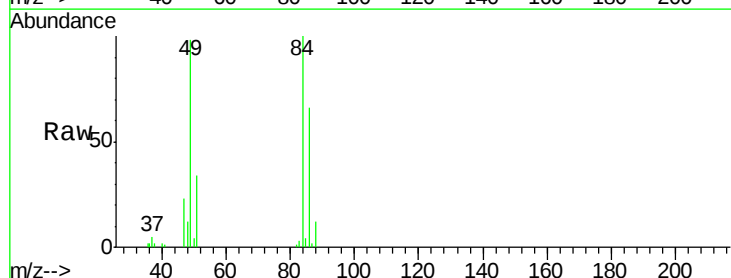
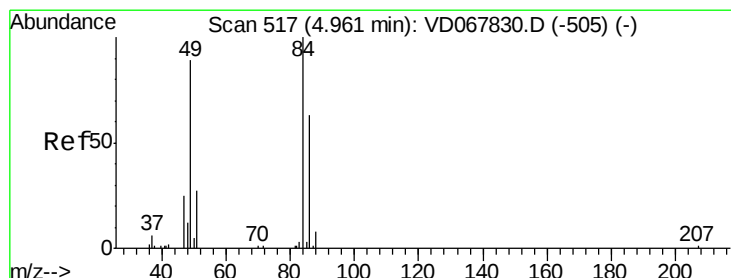
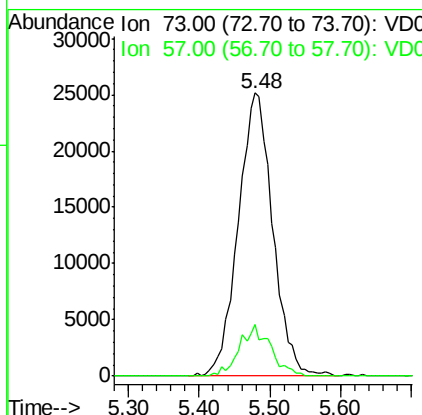
#19
Methyl tert-butyl Ether
Concen: 20.362 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD067860.D
Acq: 03 Dec 2020 11:28

Tot Ion: 73 Resp: 85475
Ion Ratio Lower Upper
73 100
57 18.4 13.2 19.8

Instrument :
MSVOA_D
ClientSampleId :
VD1203SBS01

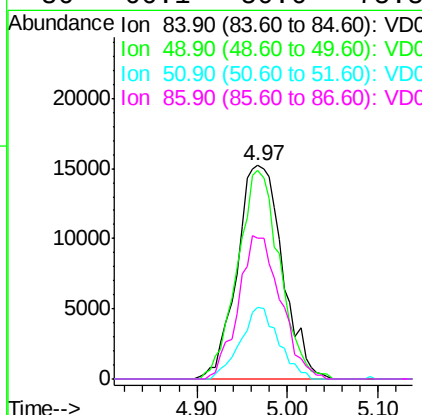
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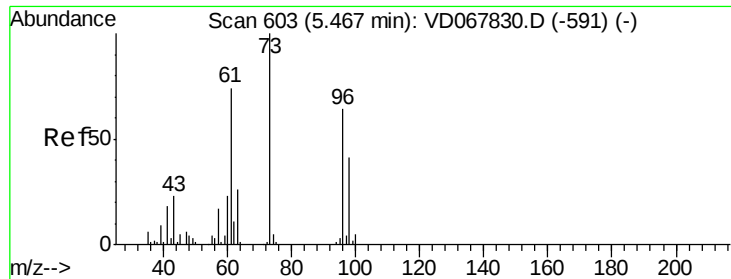
MMDadoda
12/4/2020 11:26:32 AM



#20
Methylene Chloride
Concen: 23.966 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067860.D
Acq: 03 Dec 2020 11:28

Tgt Ion: 84 Resp: 53069
Ion Ratio Lower Upper
84 100
49 97.9 71.4 107.0
51 33.7 21.8 32.8#
86 66.1 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 20.271 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD067860.D

Acq: 03 Dec 2020 11:28

Instrument :

MSVOA_D

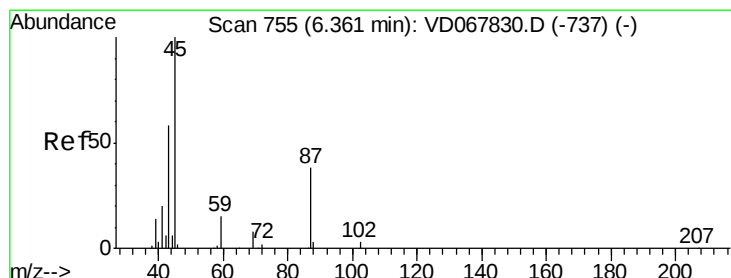
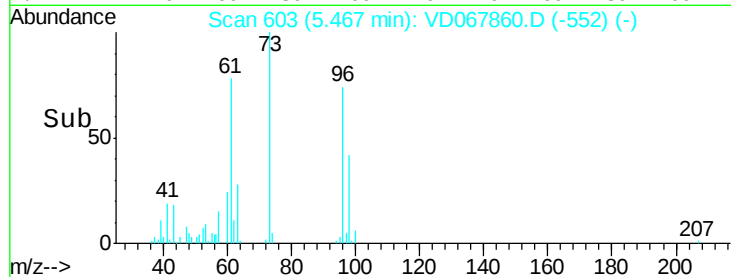
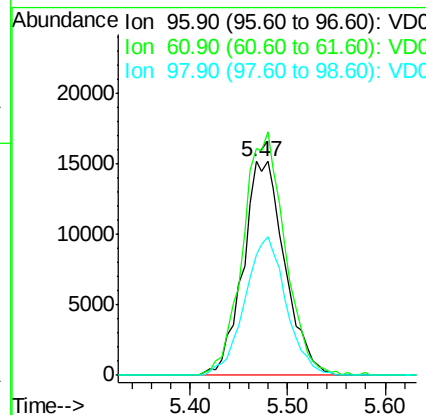
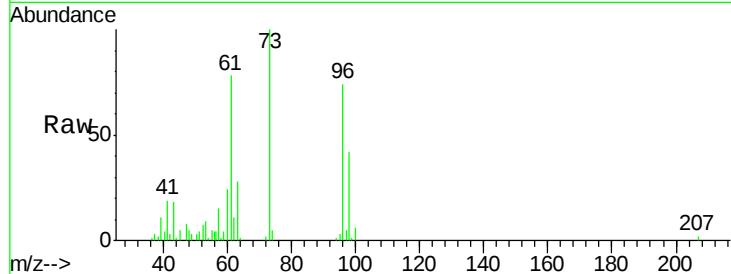
ClientSampleId :

VD1203SBSD01

Tot Ion:	96	Resp:	45221
Ion	Ratio	Lower	Upper
96	100		
61	106.2	93.1	139.7
98	56.4	52.2	78.2

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#22

Diisopropyl ether

Concen: 20.595 ug/l

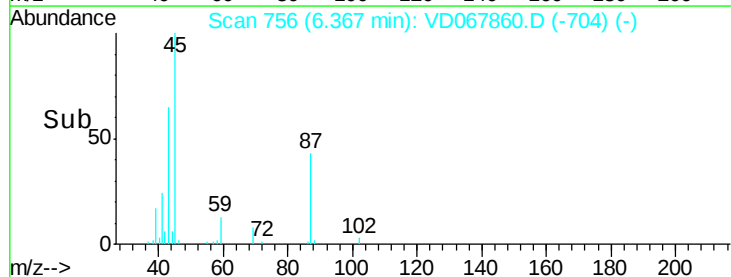
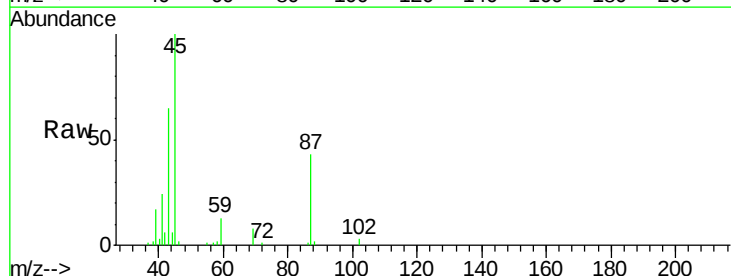
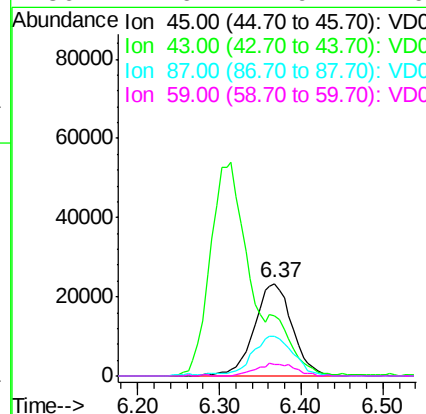
RT: 6.37 min Scan# 756

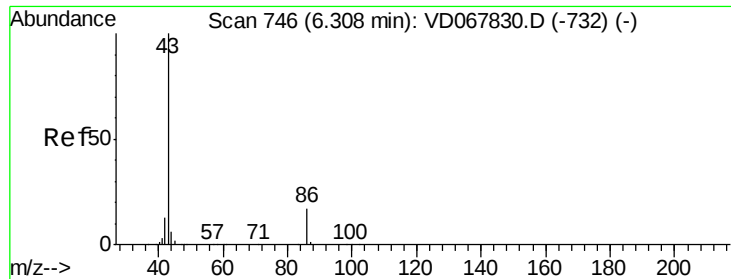
Delta R.T. 0.01 min

Lab File: VD067860.D

Acq: 03 Dec 2020 11:28

Tgt Ion:	45	Resp:	75123
Ion	Ratio	Lower	Upper
45	100		
43	62.5	49.8	74.6
87	42.8	32.1	48.1
59	12.6	11.9	17.9





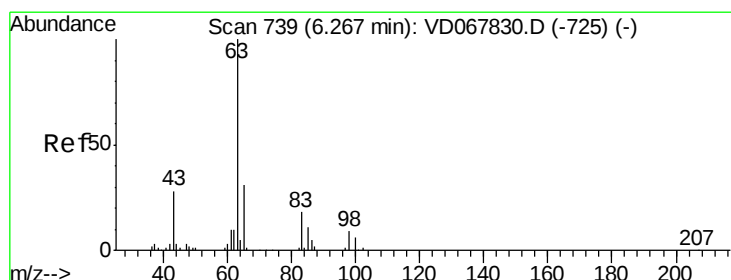
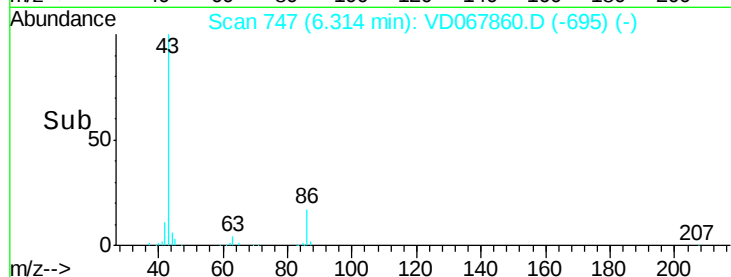
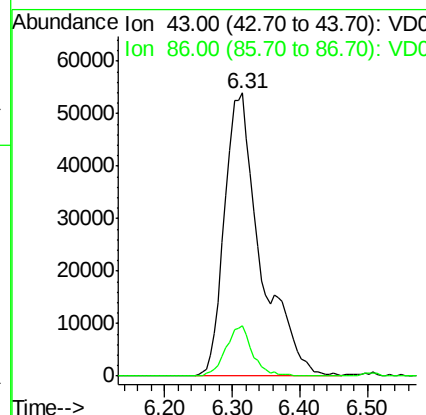
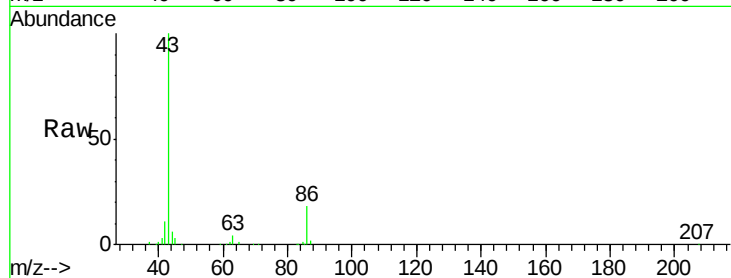
#23
 Vinyl Acetate
 Concen: 98.744 ug/l m
 RT: 6.31 min Scan# 747
 Delta R.T. 0.01 min
 Lab File: VD067860.D
 Acq: 03 Dec 2020 11:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1203SBS01

Tot Ion: 43 Resp: 200374
 Ion Ratio Lower Upper
 43 100
 86 17.7 13.8 20.6

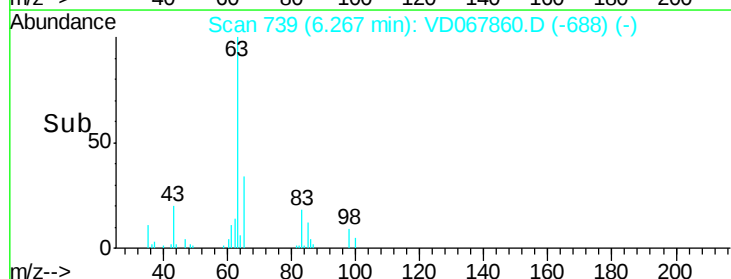
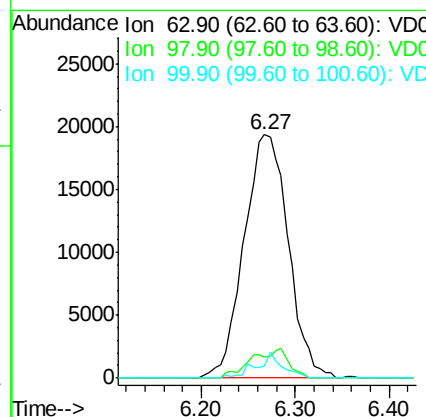
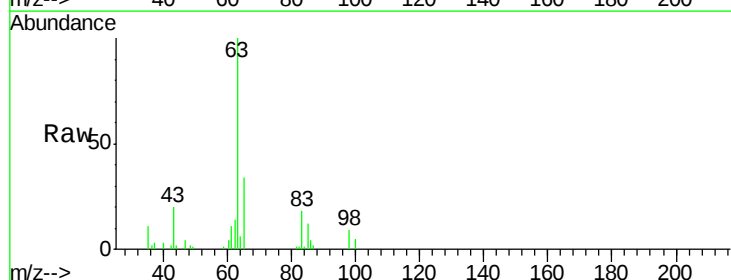
Manual Integrations
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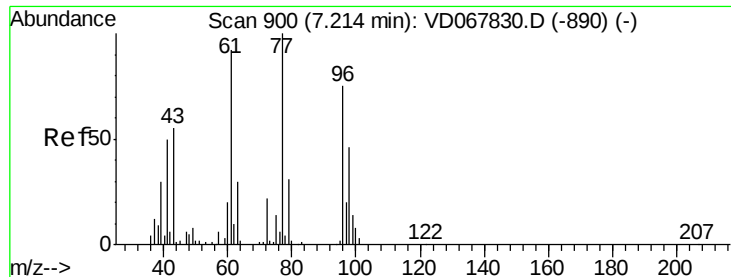
MMDadoda
 12/4/2020 11:26:32 AM



#24
 1,1-Dichloroethane
 Concen: 19.736 ug/l
 RT: 6.27 min Scan# 739
 Delta R.T. 0.00 min
 Lab File: VD067860.D
 Acq: 03 Dec 2020 11:28

Tgt Ion: 63 Resp: 63107
 Ion Ratio Lower Upper
 63 100
 98 8.7 4.5 13.5
 100 5.0 3.0 9.2





#25

2-Butanone

Concen: 95.926 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067860.D

Acq: 03 Dec 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

VD1203SBS01

Tot Ion: 43 Resp: 31665

Ion Ratio Lower Upper

43 100

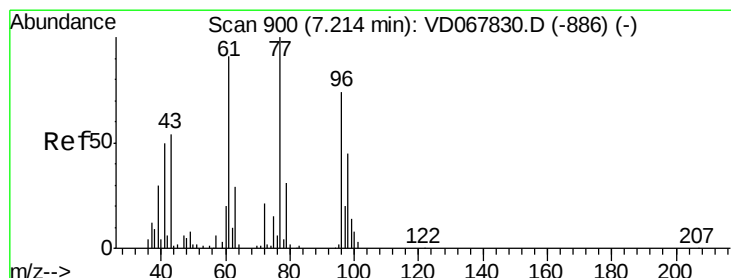
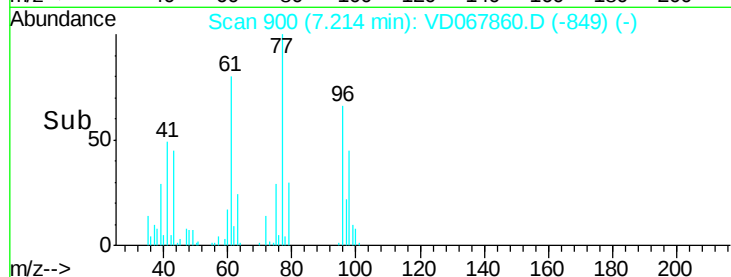
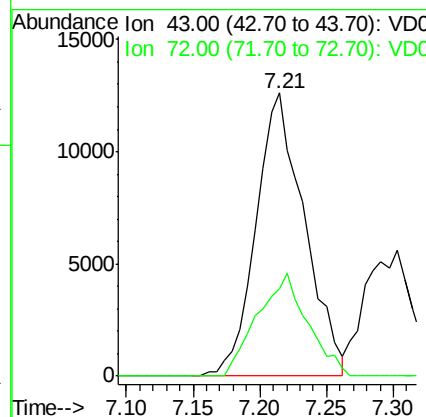
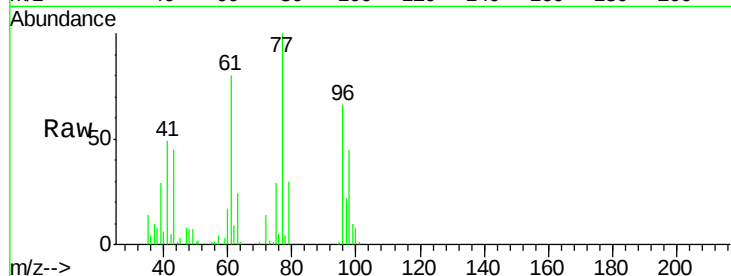
72 31.1 31.3 46.9#

Manual Integrations

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MMDadoda

12/4/2020 11:26:32 AM



#26

2,2-Dichloropropane

Concen: 20.728 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067860.D

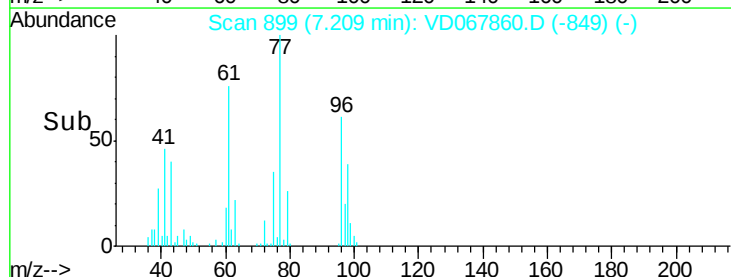
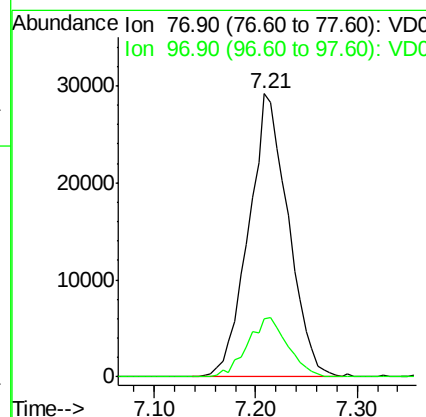
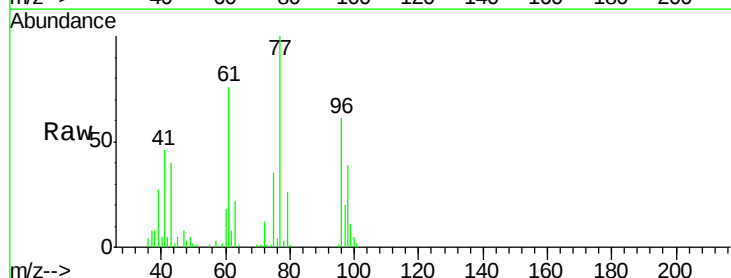
Acq: 03 Dec 2020 11:28

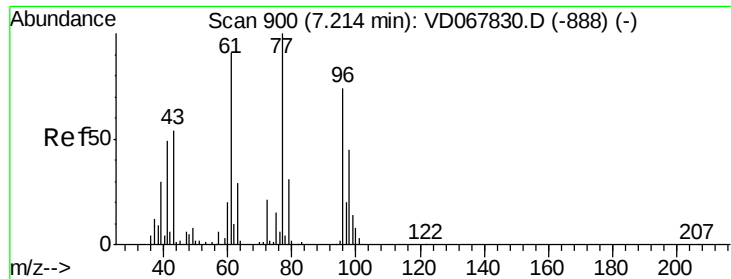
Tgt Ion: 77 Resp: 79035

Ion Ratio Lower Upper

77 100

97 21.3 11.1 33.1





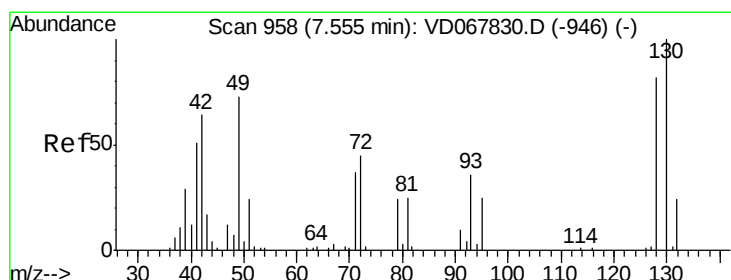
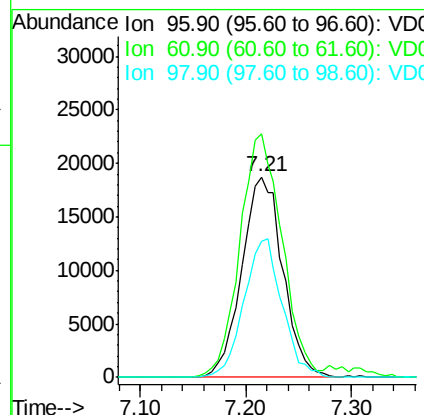
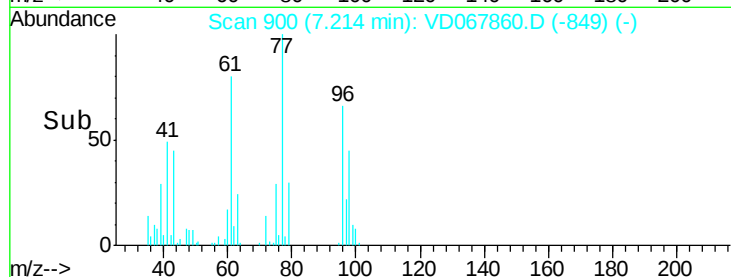
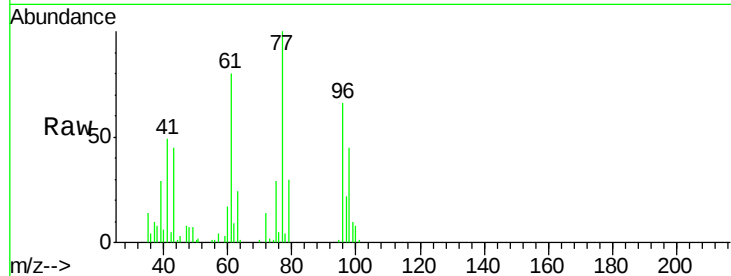
#27
 cis-1,2-Dichloroethene
 Concen: 20.703 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD067860.D
 Acq: 03 Dec 2020 11:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1203SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	124.9	0.0	248.4	
98	64.3	0.0	127.4	

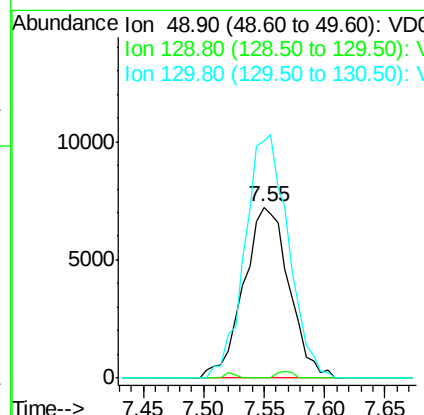
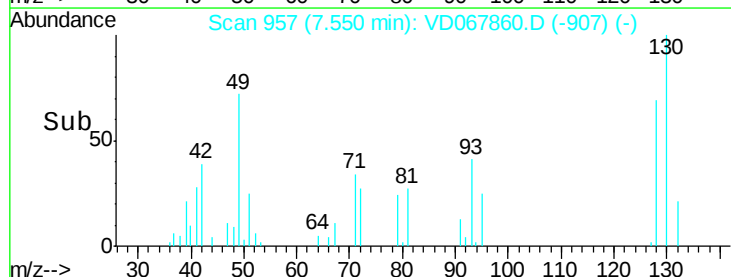
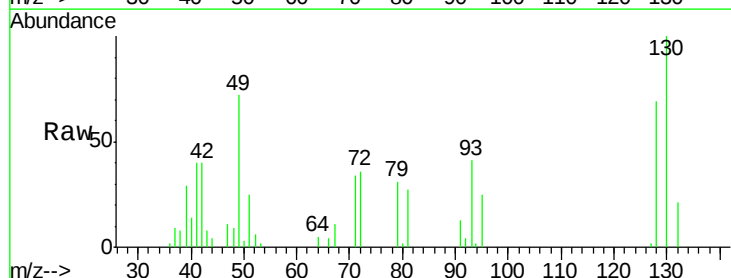
Manual Integrations
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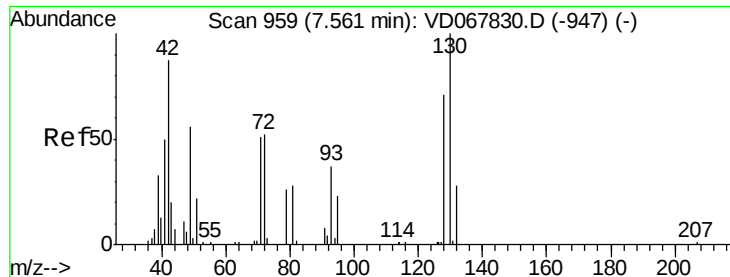
MMDadoda
 12/4/2020 11:26:32 AM



#28
 Bromochloromethane
 Concen: 18.637 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.01 min
 Lab File: VD067860.D
 Acq: 03 Dec 2020 11:28

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.5	0.0	3.4	
130	136.2	110.2	165.2	





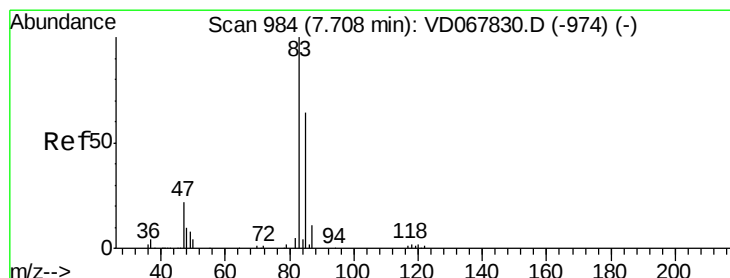
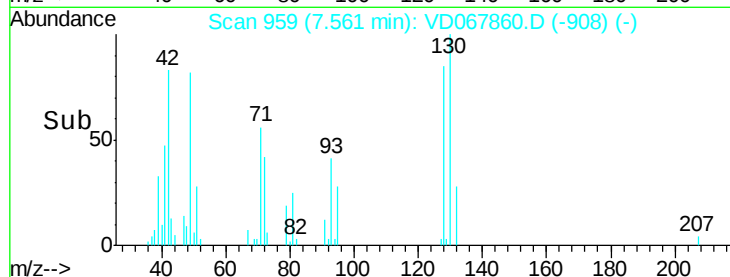
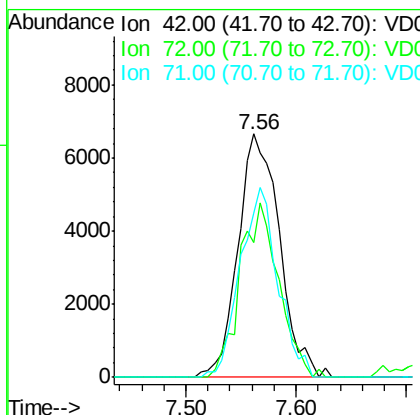
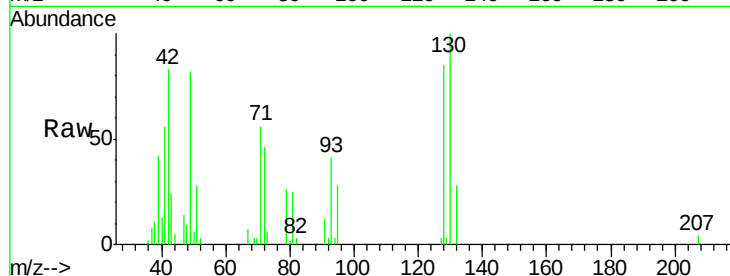
#29
Tetrahydrofuran
Concen: 93.396 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD067860.D
Acq: 03 Dec 2020 11:28

Instrument :
MSVOA_D
ClientSampleId :
VD1203SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	67.3	51.9	77.9
71	71.2	48.2	72.4

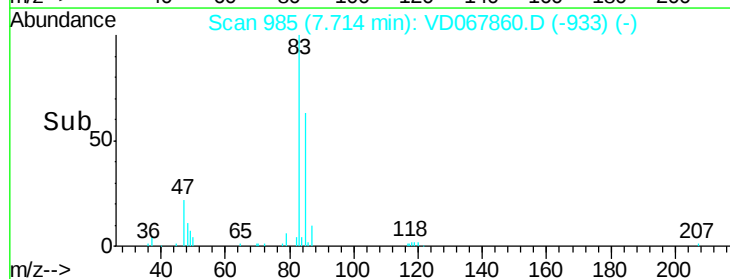
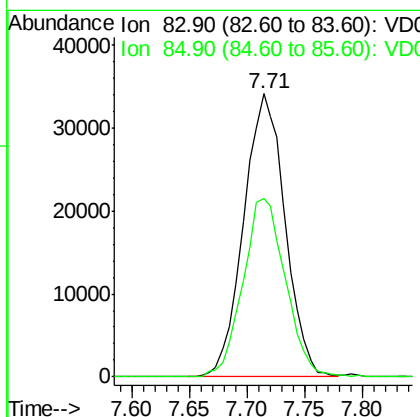
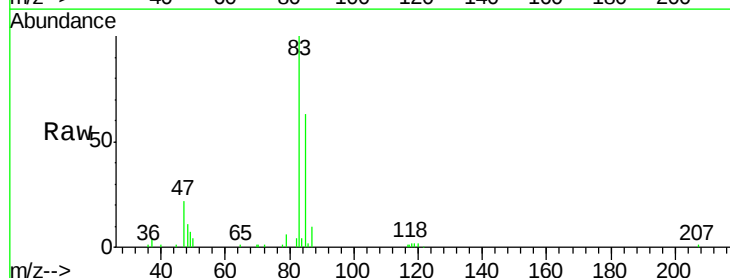
Manual Integrations
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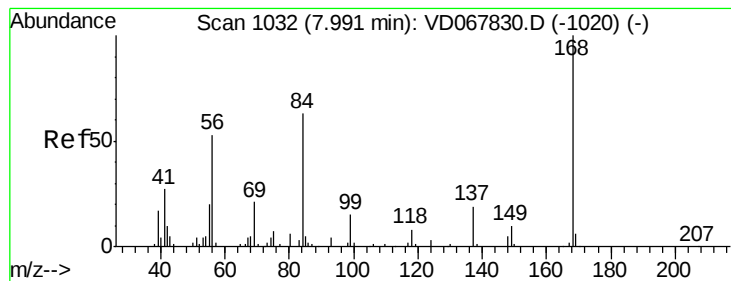
MMDadoda
12/4/2020 11:26:32 AM



#30
Chloroform
Concen: 19.942 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.01 min
Lab File: VD067860.D
Acq: 03 Dec 2020 11:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.0	76.4





#31

Cyclohexane

Concen: 19.956 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.01 min

Lab File: VD067860.D

Acq: 03 Dec 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

VD1203SBS01

Tot Ion: 56 Resp: 53400

Ion Ratio Lower Upper

56 100

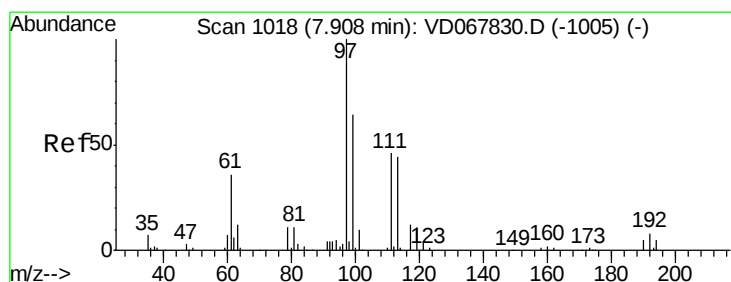
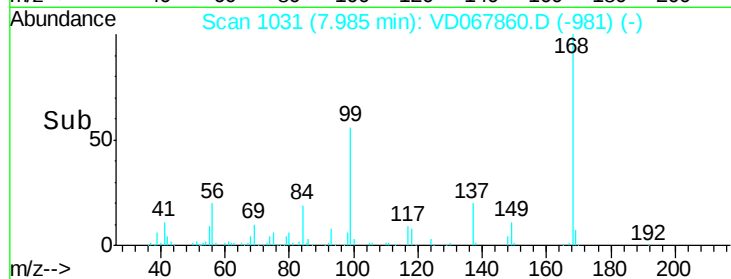
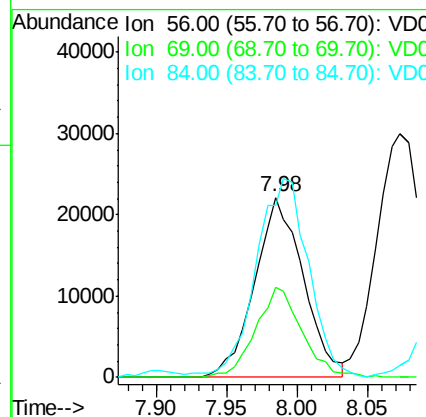
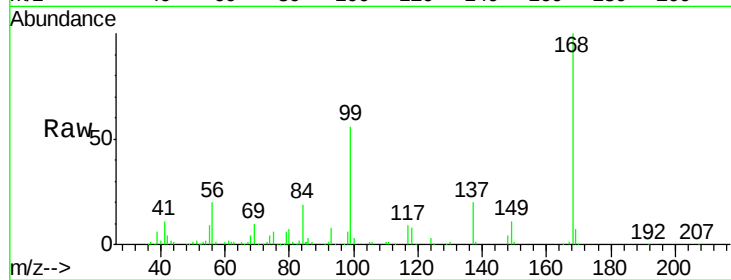
69 49.7 32.1 48.1#

84 93.1 93.2 139.8#

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.148 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD067860.D

Acq: 03 Dec 2020 11:28

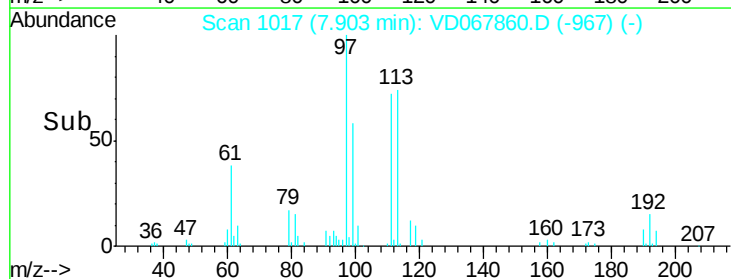
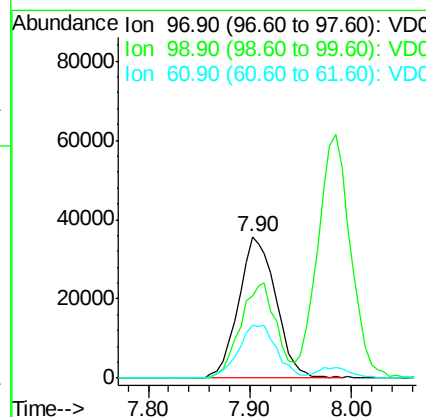
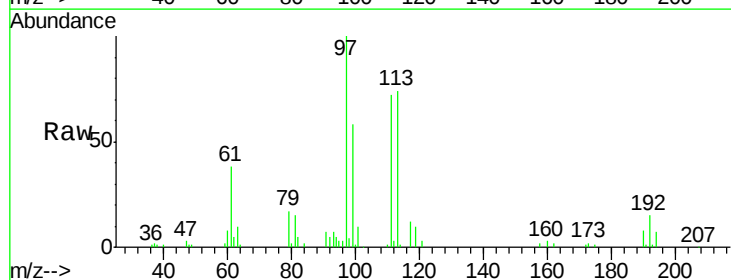
Tgt Ion: 97 Resp: 90881

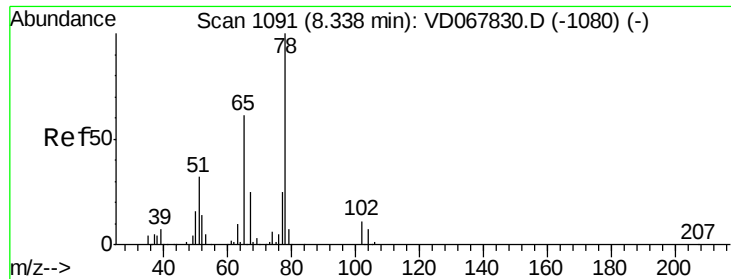
Ion Ratio Lower Upper

97 100

99 65.1 51.4 77.2

61 38.4 30.8 46.2





#33

1,2-Dichloroethane-d4

Concen: 46.981 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD067860.D

Acq: 03 Dec 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

VD1203SBSD01

Tot Ion: 65 Resp: 119321

Ion Ratio Lower Upper

65 100

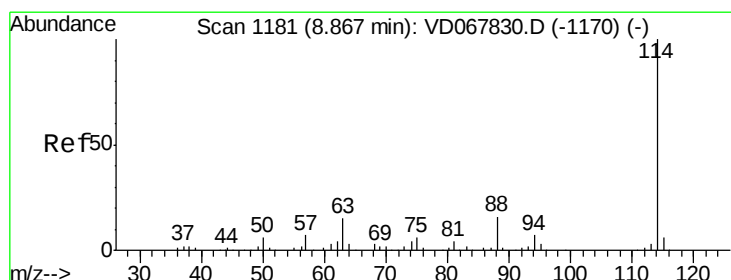
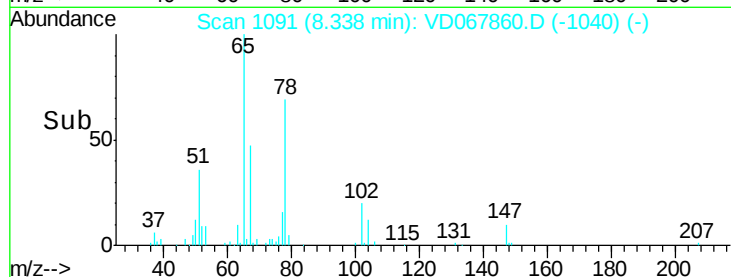
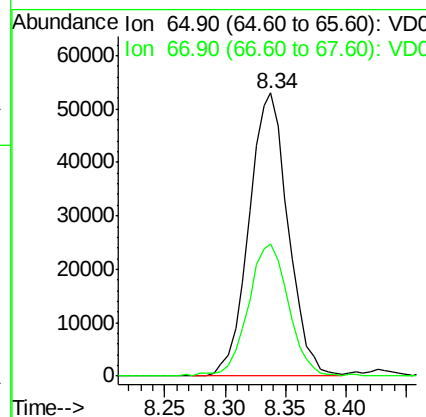
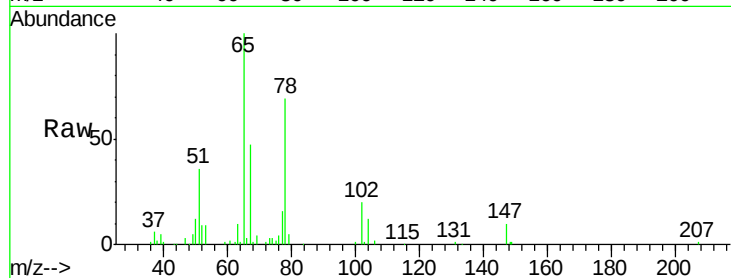
67 48.2 0.0 92.0

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD067860.D

Acq: 03 Dec 2020 11:28

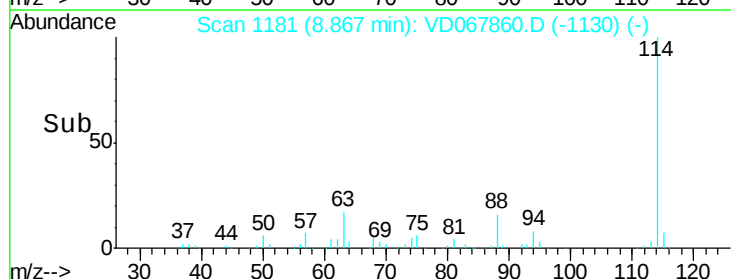
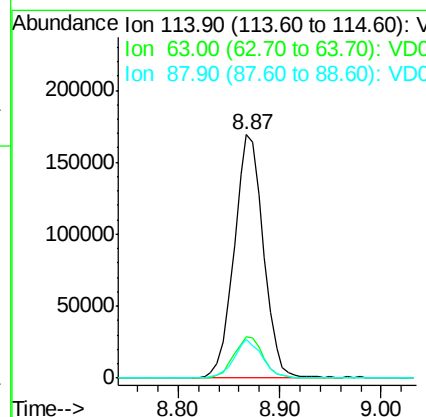
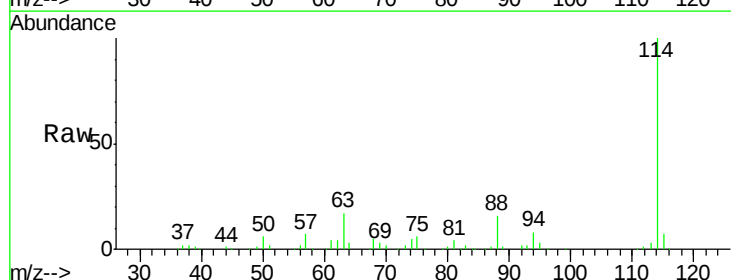
Tgt Ion: 114 Resp: 338323

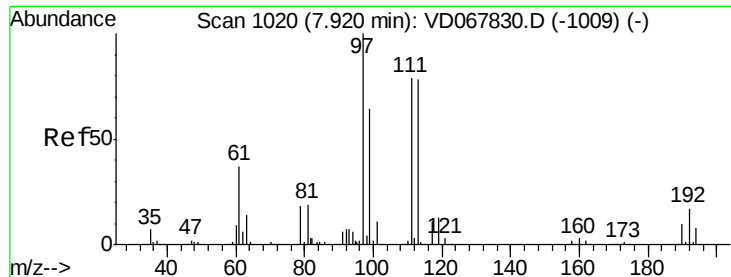
Ion Ratio Lower Upper

114 100

63 16.8 0.0 30.8

88 15.7 0.0 31.8





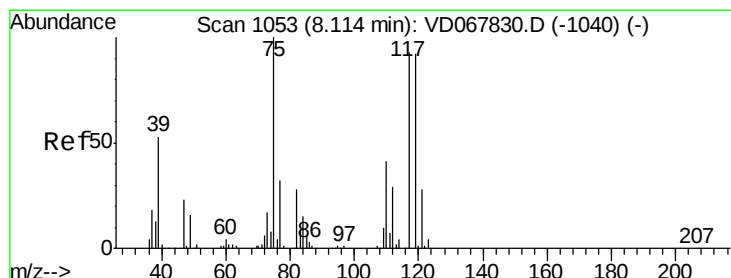
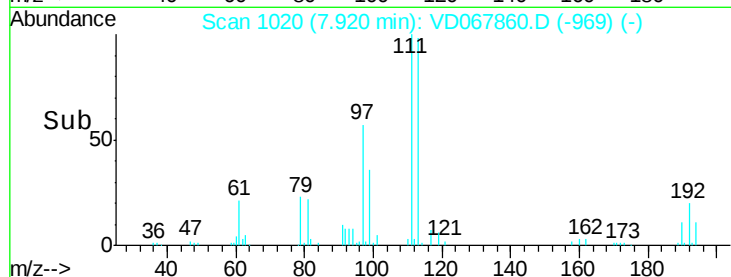
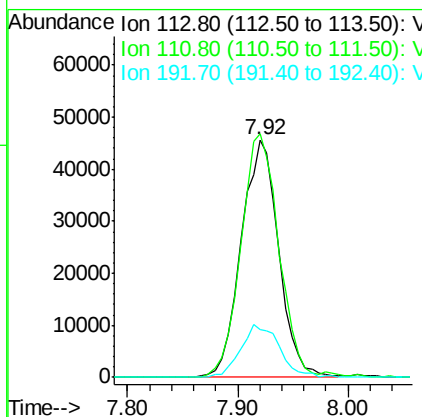
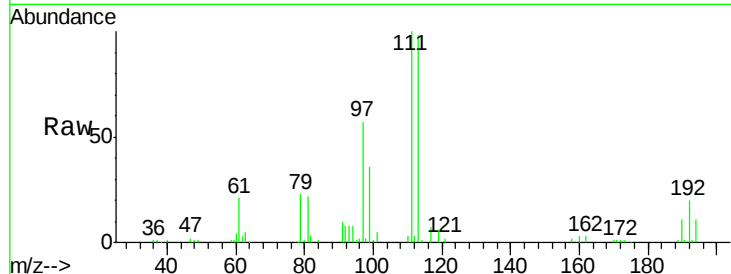
#35
 Dibromofluoromethane
 Concen: 47.995 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD067860.D
 Acq: 03 Dec 2020 11:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1203SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	108654		
111	103.4	81.2	121.8	
192	22.8	16.8	25.2	

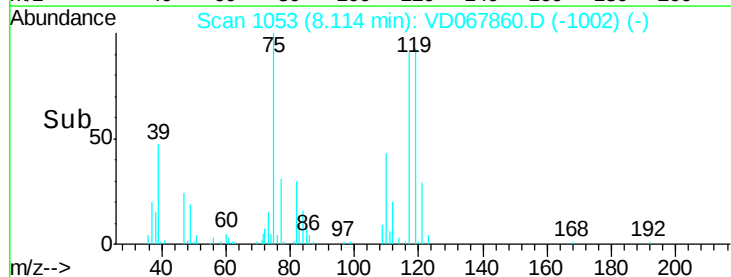
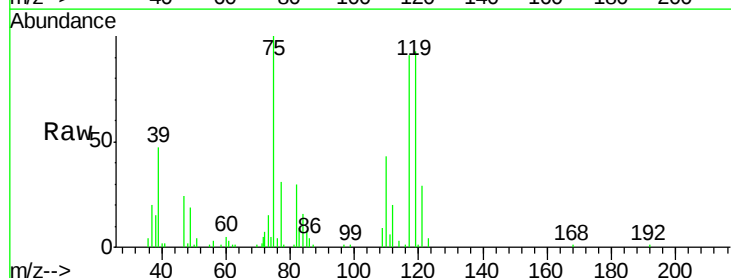
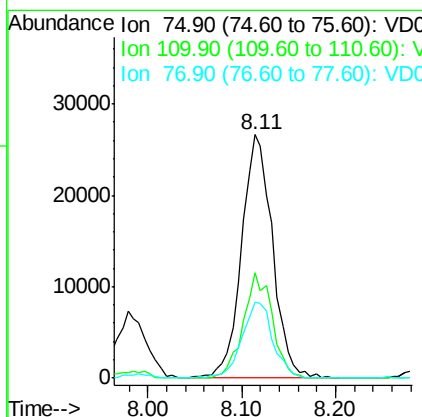
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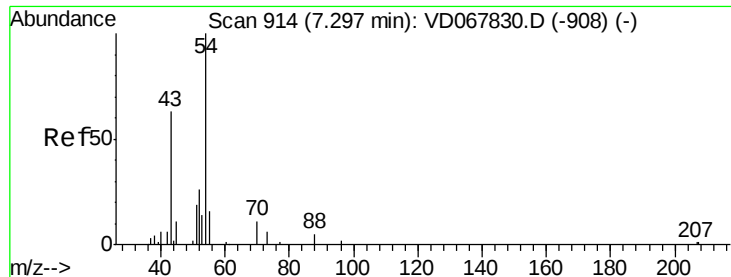
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 20.766 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD067860.D
 Acq: 03 Dec 2020 11:28

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	60821		
110	40.5	20.3	61.0	
77	31.0	24.7	37.1	





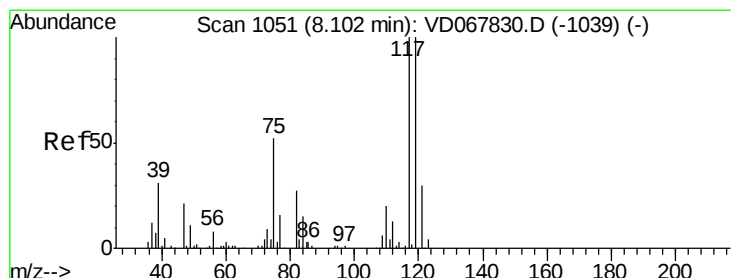
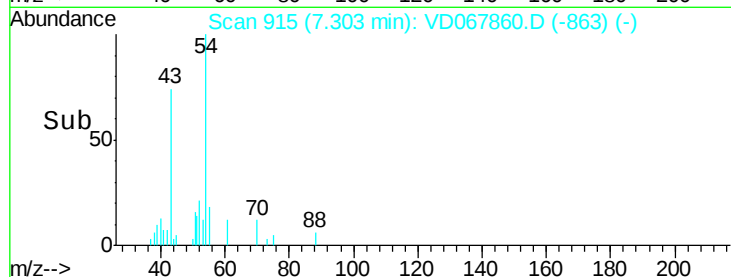
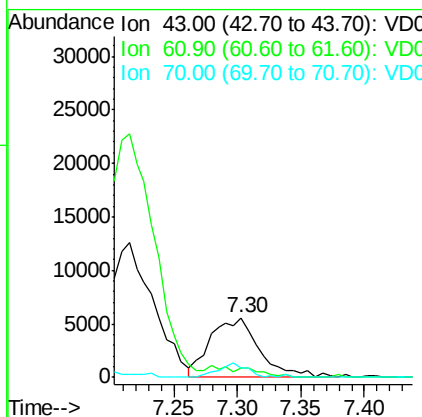
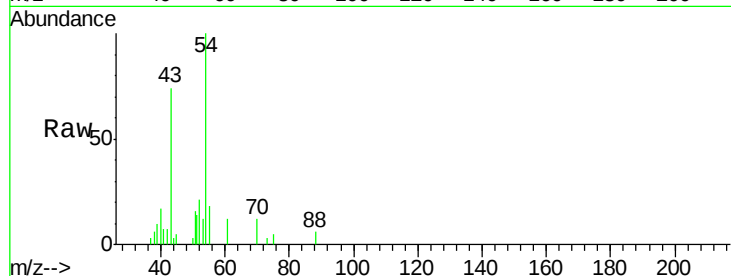
#37
Ethyl Acetate
Concen: 18.837 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD067860.D
Acq: 03 Dec 2020 11:28

Instrument :
MSVOA_D
ClientSampleId :
VD1203SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.4	17.2#
70	14.3	11.5	17.3

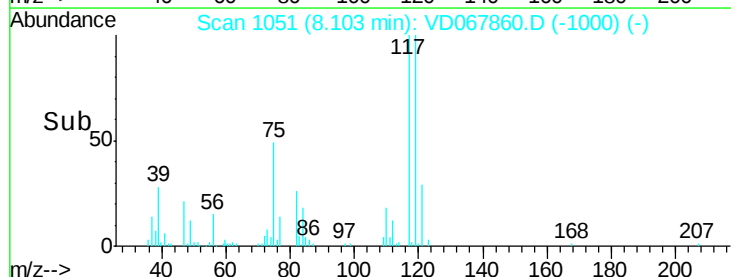
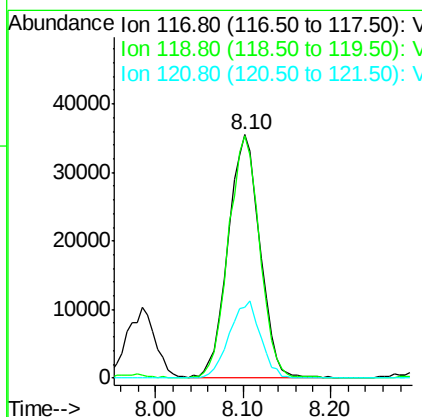
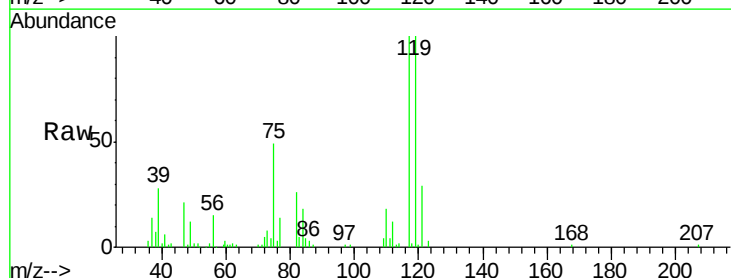
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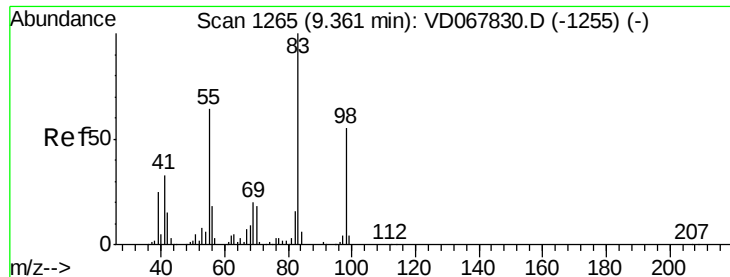
MMDadoda
12/4/2020 11:26:32 AM



#38
Carbon Tetrachloride
Concen: 19.922 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VD067860.D
Acq: 03 Dec 2020 11:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.7	79.7	119.5
121	28.9	23.8	35.6





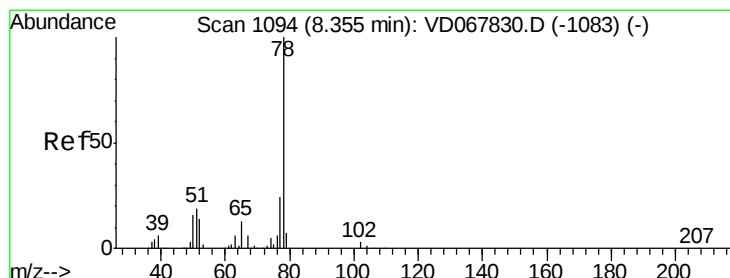
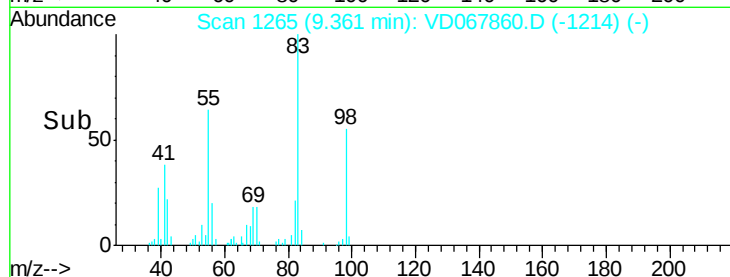
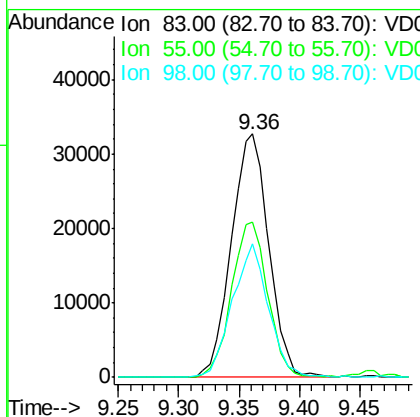
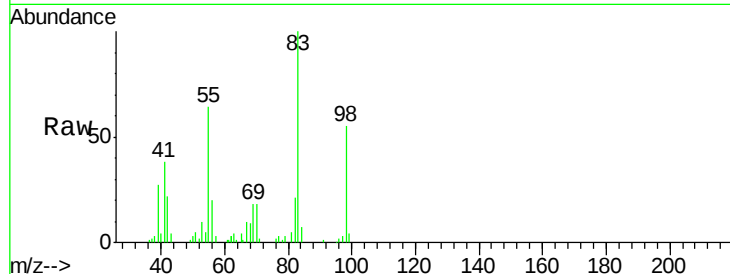
#39
Methvlcvclohexane
Concen: 20.330 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VD067860.D
Acq: 03 Dec 2020 11:28

Instrument :
MSVOA_D
ClientSampleId :
VD1203SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	63.7	51.6	77.4
98	55.0	44.3	66.5

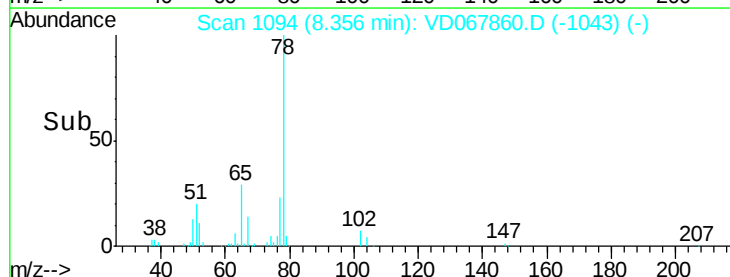
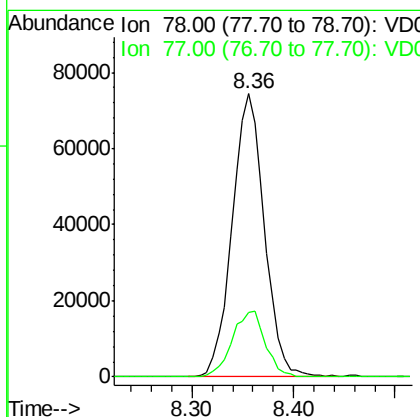
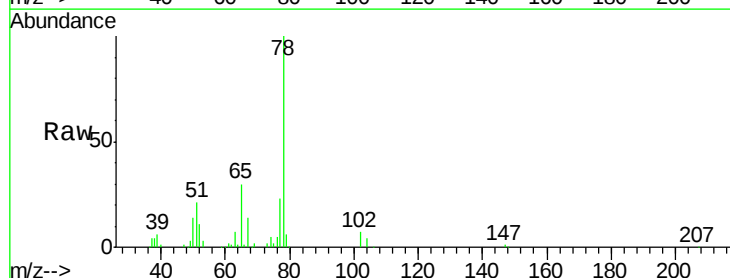
Manual Integrations
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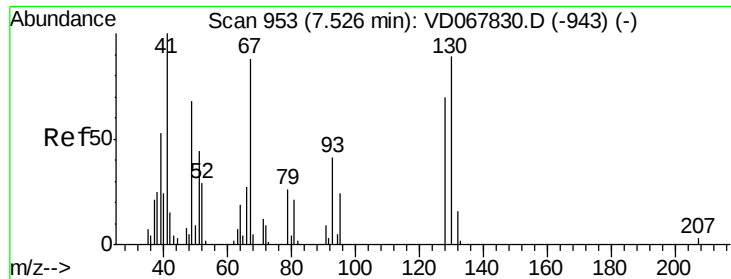
MMDadoda
12/4/2020 11:26:32 AM



#40
Benzene
Concen: 20.393 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD067860.D
Acq: 03 Dec 2020 11:28

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	19.1	28.7





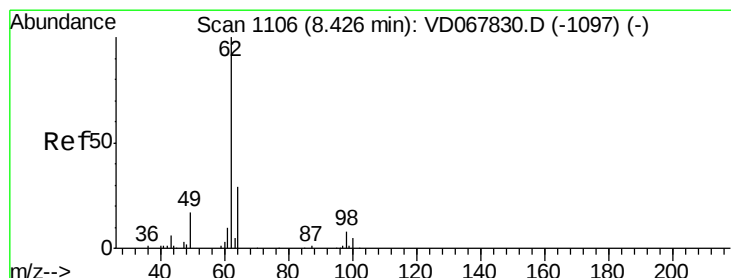
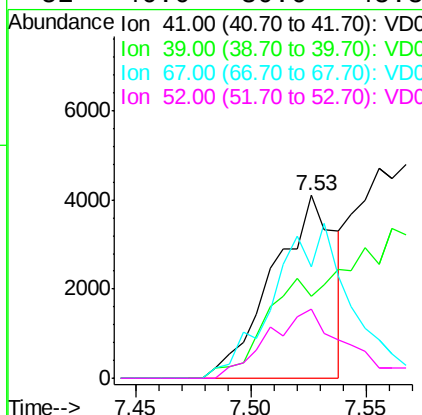
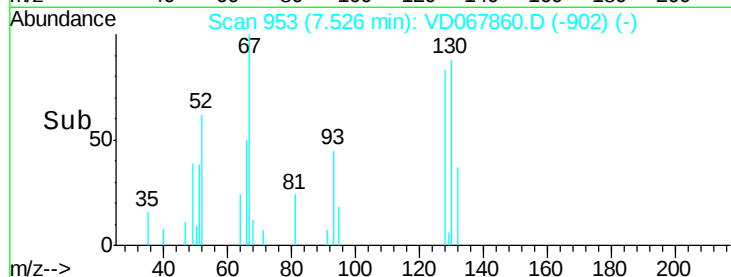
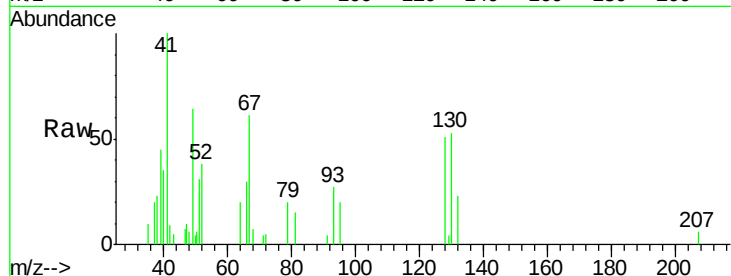
#41
Methacrylonitrile
Concen: 17.882 ug/l
RT: 7.53 min Scan# 953
Delta R.T. 0.00 min
Lab File: VD067860.D
Acq: 03 Dec 2020 11:28

Instrument :
MSVOA_D
ClientSampleId :
VD1203SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	42.1	63.1#
67	101.5	82.4	123.6
52	46.0	30.6	45.8#

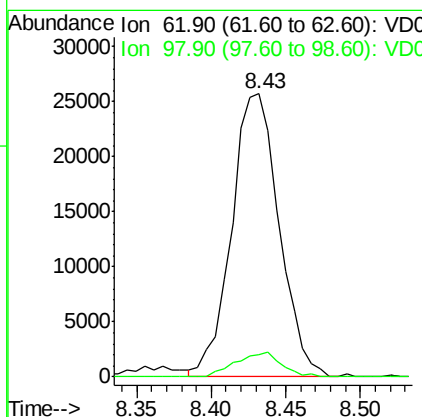
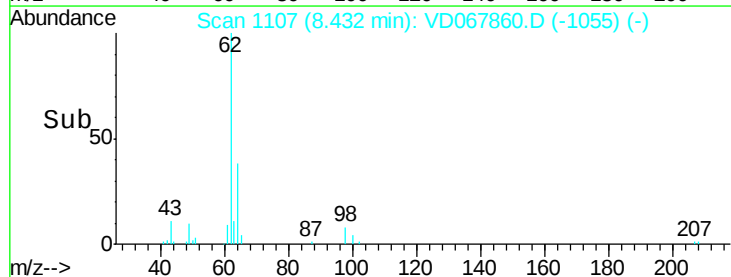
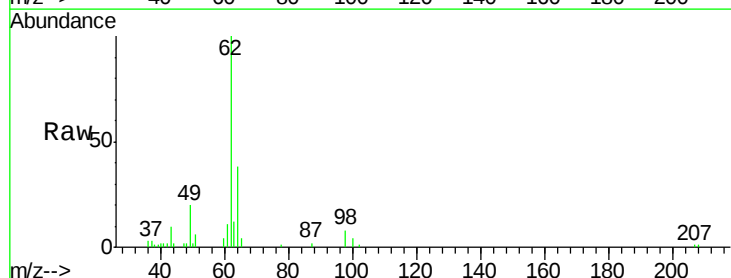
Manual Integrations
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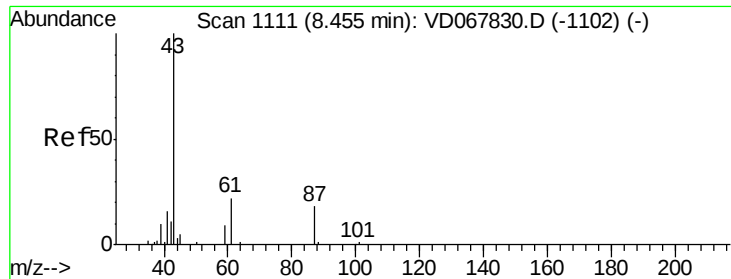
MMDadoda
12/4/2020 11:26:32 AM



#42
1,2-Dichloroethane
Concen: 19.933 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD067860.D
Acq: 03 Dec 2020 11:28

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	17.2





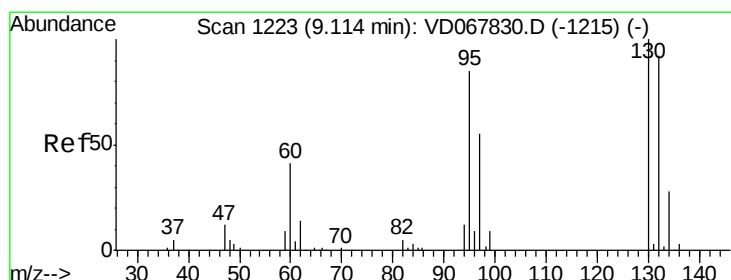
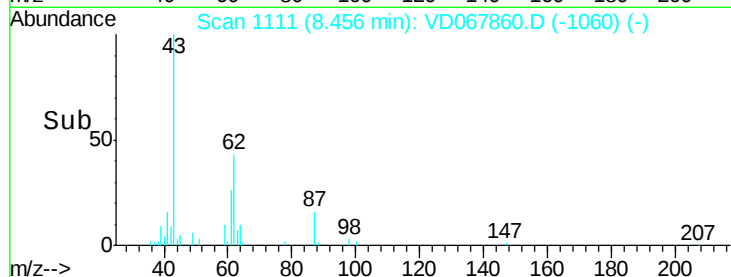
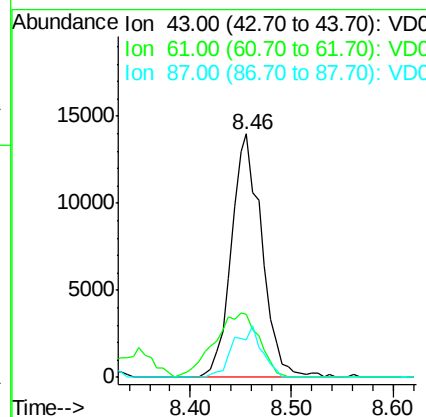
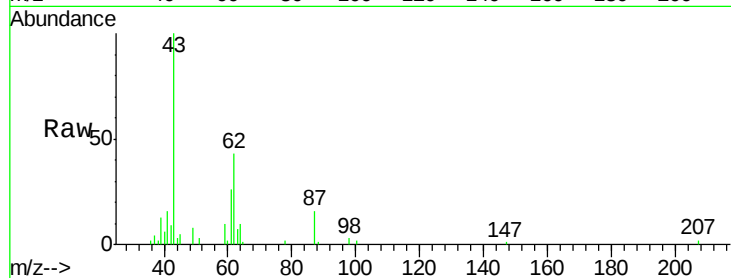
#43
Isopropyl Acetate
Concen: 18.764 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD067860.D
Acq: 03 Dec 2020 11:28

Instrument :
MSVOA_D
ClientSampleId :
VD1203SBS01

Tot Ion	43	Resp	29143
Ion Ratio	100	Lower	Upper
43	100		
61	38.9	30.4	45.6
87	19.4	16.2	24.2

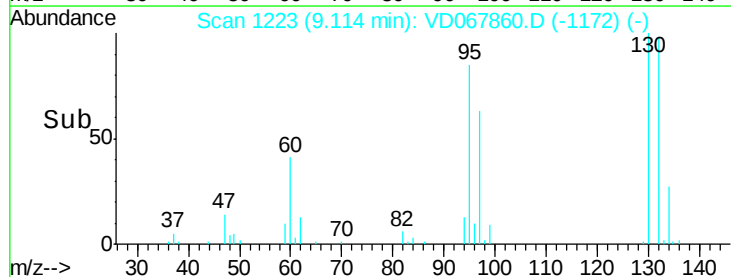
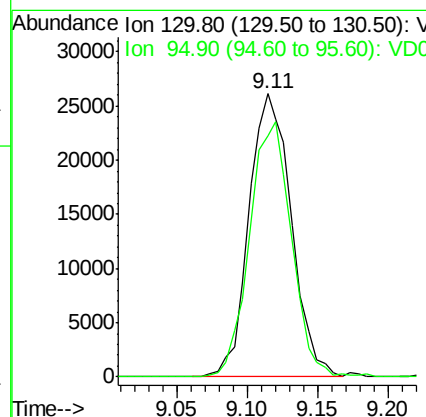
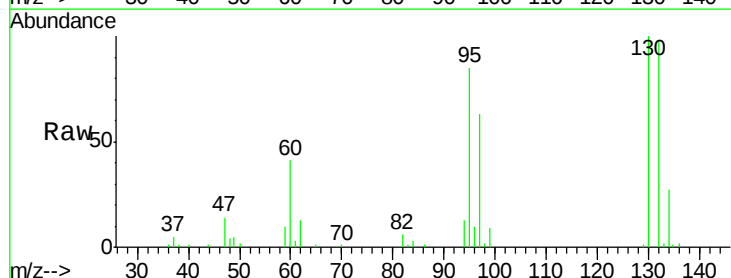
Manual Integrations
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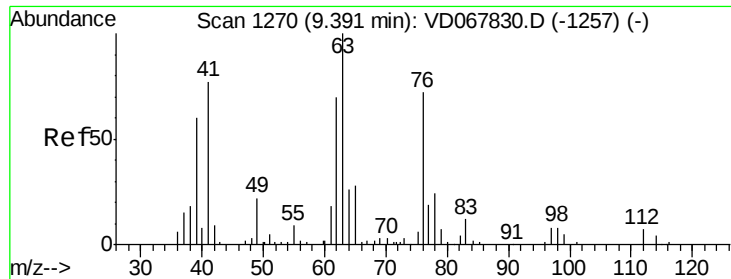
MMDadoda
12/4/2020 11:26:32 AM



#44
Trichloroethene
Concen: 19.904 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD067860.D
Acq: 03 Dec 2020 11:28

Tgt Ion	130	Resp	54843
Ion Ratio	100	Lower	Upper
130	100		
95	85.0	0.0	170.2





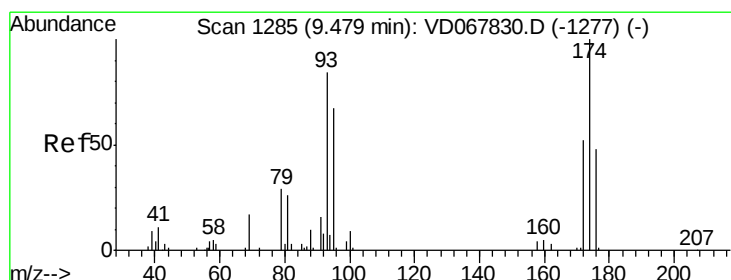
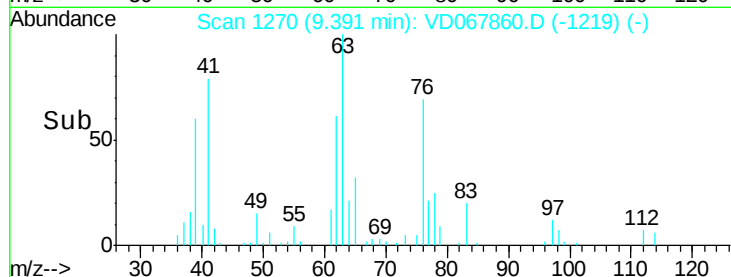
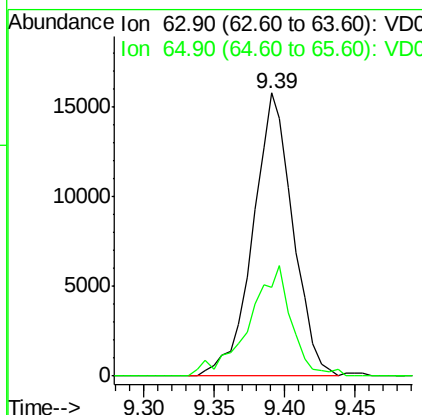
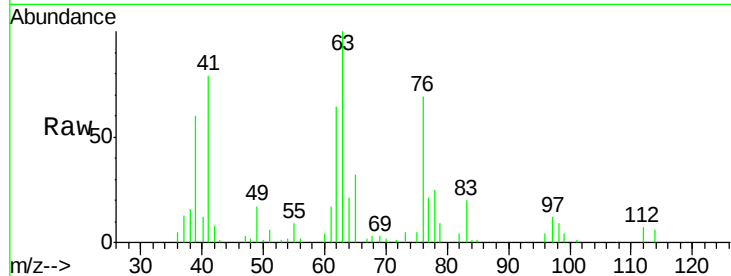
#45
 1,2-Dichloropropane
 Concen: 19.016 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD067860.D
 Acq: 03 Dec 2020 11:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1203SBSD01

Tot Ion: 63 Resp: 31279
 Ion Ratio Lower Upper
 63 100
 65 31.6 22.8 34.2

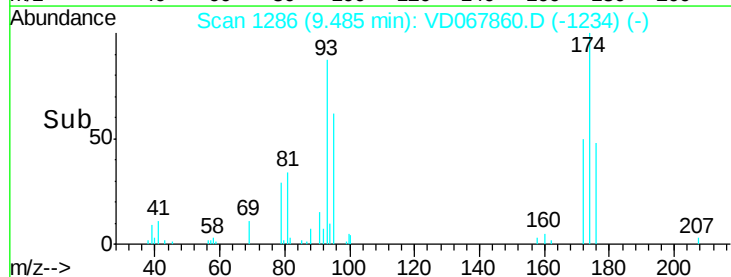
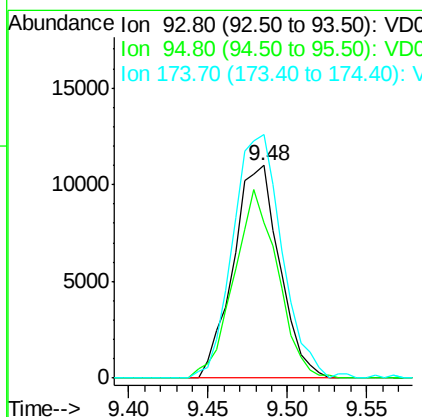
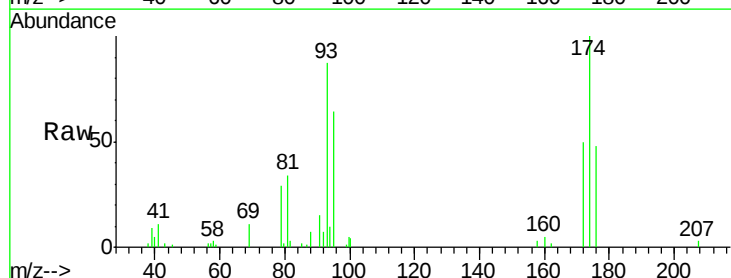
Manual Integrations
 APPROVED

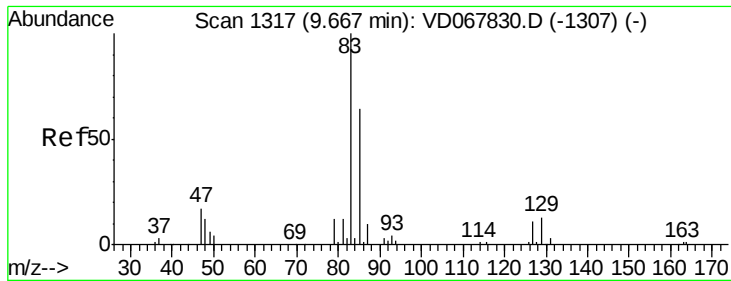
MMDadoda
 12/4/2020 11:26:32 AM



#46
 Dibromomethane
 Concen: 19.592 ug/l
 RT: 9.48 min Scan# 1286
 Delta R.T. 0.01 min
 Lab File: VD067860.D
 Acq: 03 Dec 2020 11:28

Tgt Ion: 93 Resp: 22406
 Ion Ratio Lower Upper
 93 100
 95 83.3 64.2 96.4
 174 121.3 91.5 137.3





#47

Bromodichloromethane

Concen: 19.820 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD067860.D

Acq: 03 Dec 2020 11:28

Instrument :

MSVOA_D

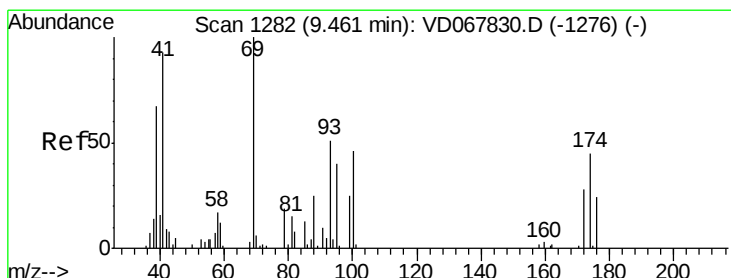
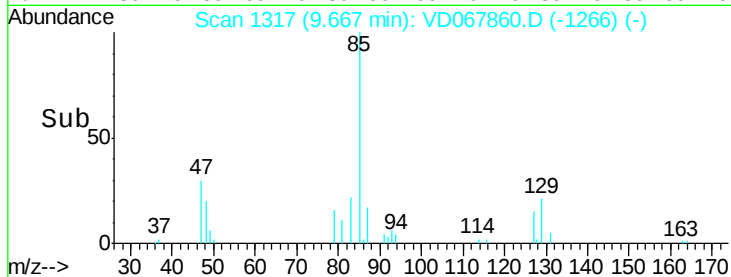
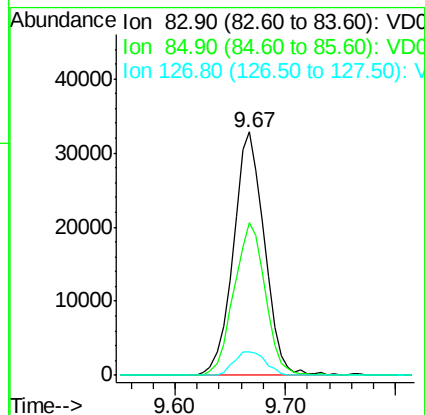
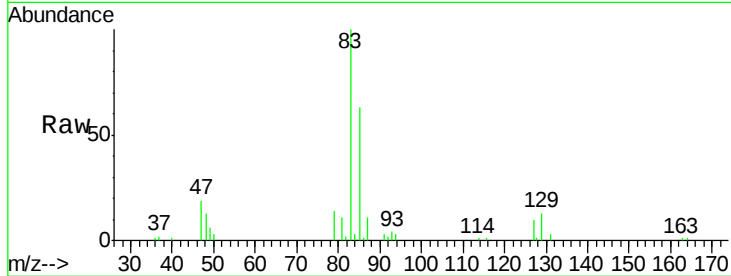
ClientSampleId :

VD1203SBSD01

Tot Ion:	83	Resp:	64620
Ion	Ratio	Lower	Upper
83	100		
85	62.8	51.4	77.0
127	9.7	8.5	12.7

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#48

Methyl methacrylate

Concen: 20.020 ug/l

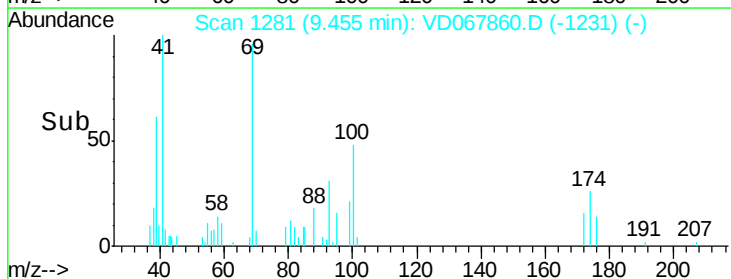
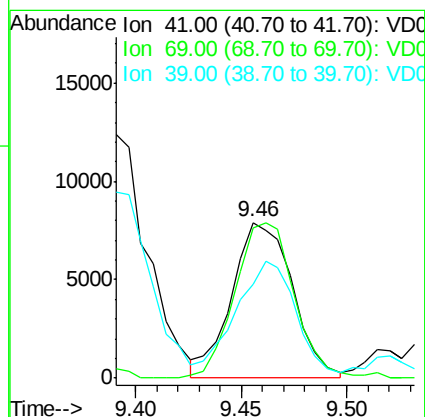
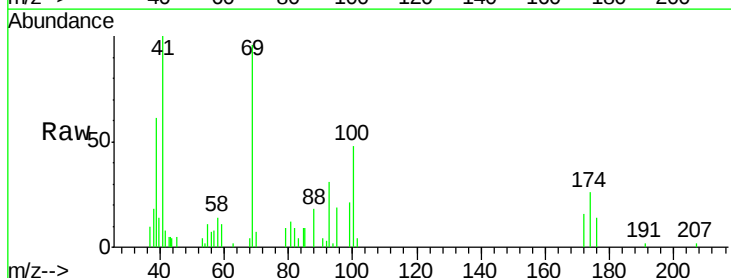
RT: 9.46 min Scan# 1281

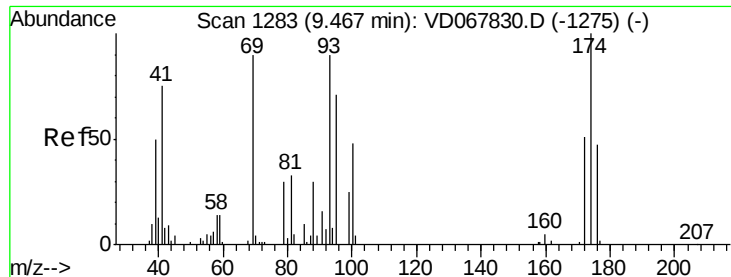
Delta R.T. -0.01 min

Lab File: VD067860.D

Acq: 03 Dec 2020 11:28

Tgt Ion:	41	Resp:	15789
Ion	Ratio	Lower	Upper
41	100		
69	98.0	87.6	131.4
39	67.9	61.2	91.8





#49

1,4-Dioxane

Concen: 339.540 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.01 min

Lab File: VD067860.D

Acq: 03 Dec 2020 11:28

Instrument :

MSVOA_D

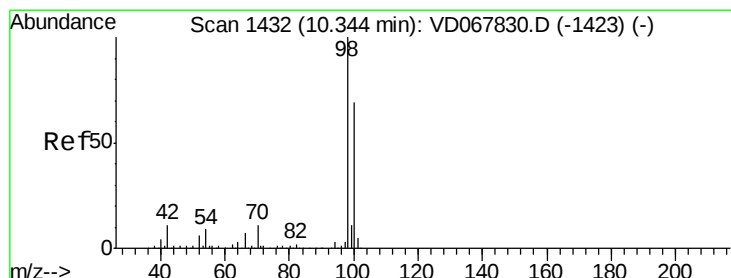
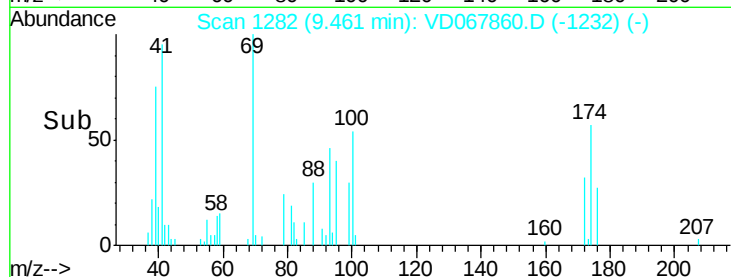
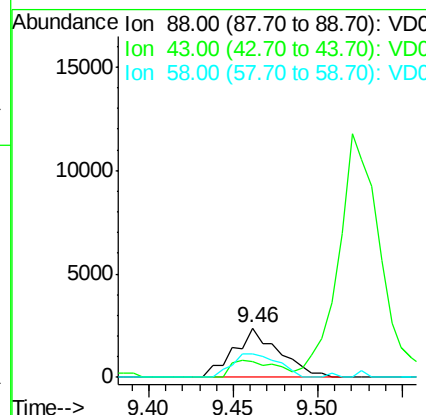
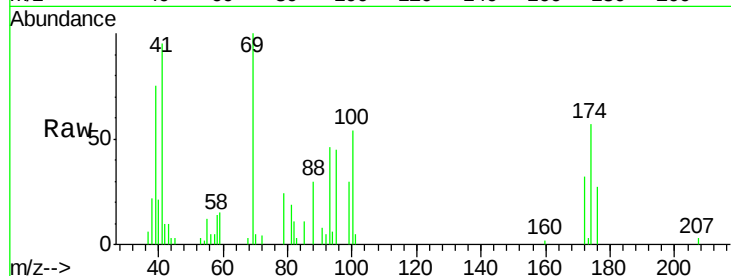
ClientSampleId :

VD1203SBS01

Tot Ion:	88	Resp:	4437
Ion	Ratio	Lower	Upper
88	100		
43	33.9	30.1	45.1
58	49.2	42.4	63.6

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#50

Toluene-d8

Concen: 48.358 ug/l

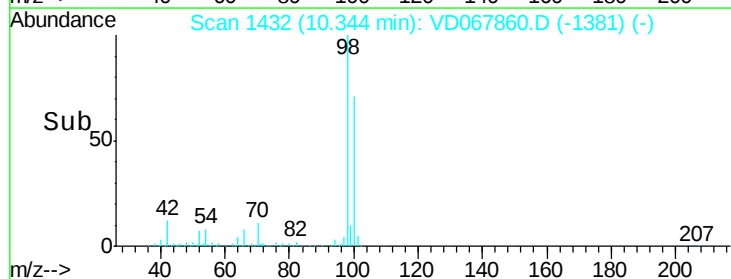
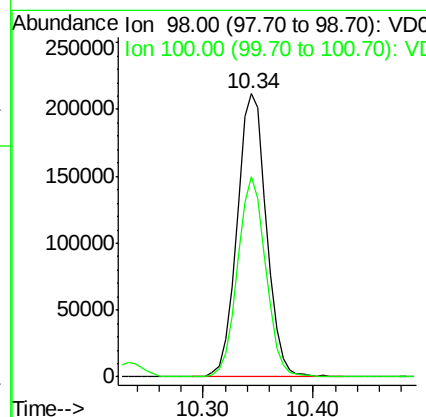
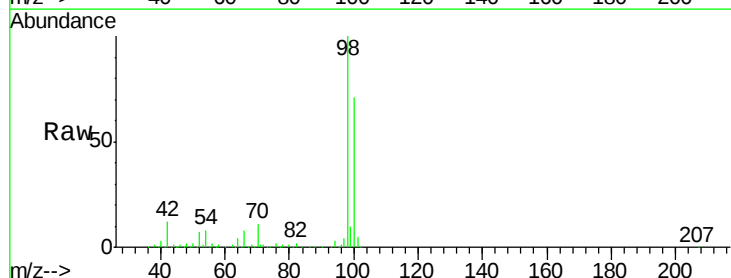
RT: 10.34 min Scan# 1432

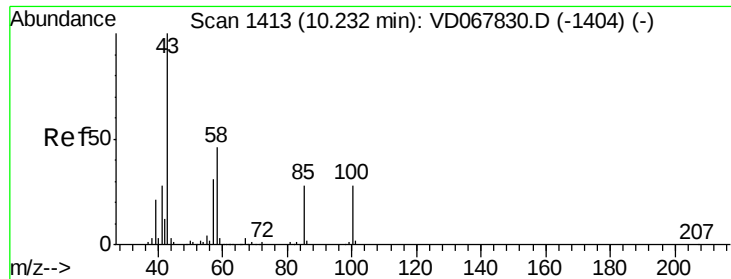
Delta R.T. 0.00 min

Lab File: VD067860.D

Acq: 03 Dec 2020 11:28

Tgt Ion:	98	Resp:	394091
Ion	Ratio	Lower	Upper
98	100		
100	68.3	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 96.936 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067860.D

Acq: 03 Dec 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

VD1203SBS01

Tot Ion: 43 Resp: 71257

Ion Ratio Lower Upper

43 100

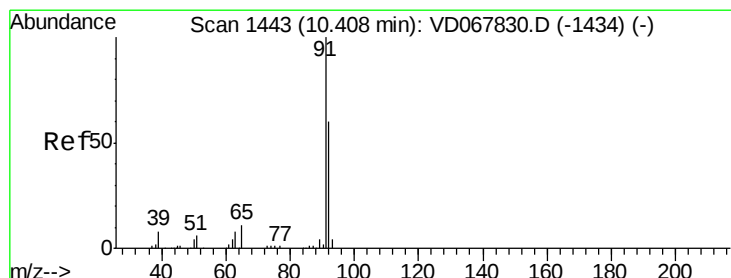
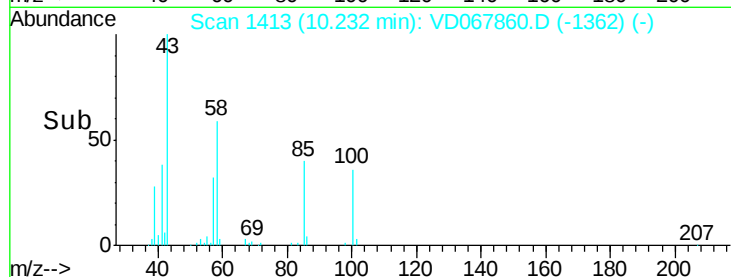
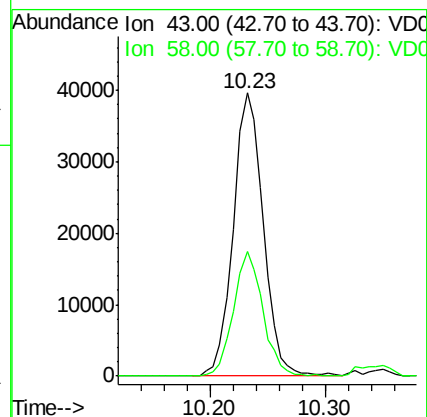
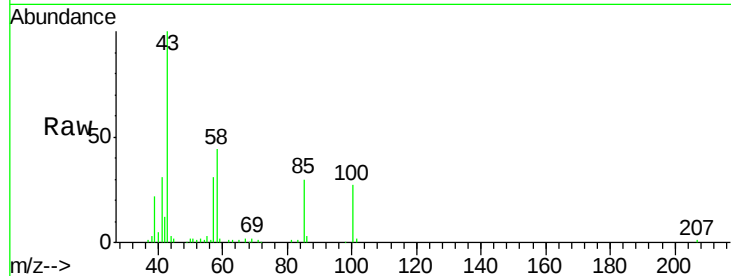
58 43.0 35.7 53.5

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#52

Toluene

Concen: 20.580 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067860.D

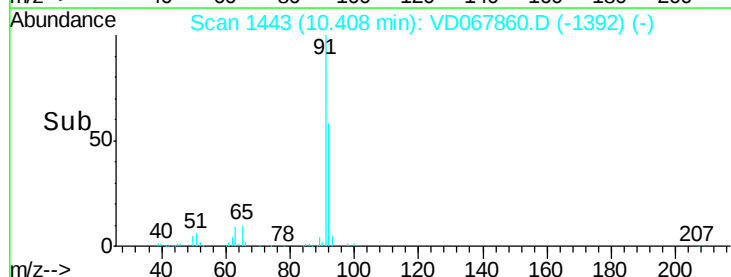
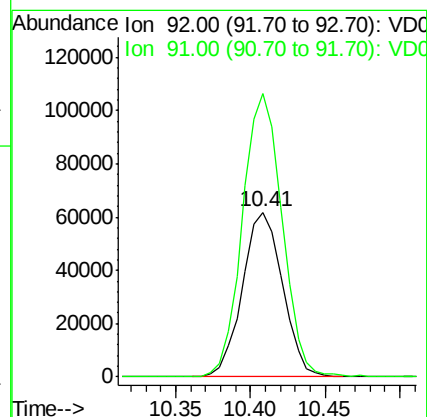
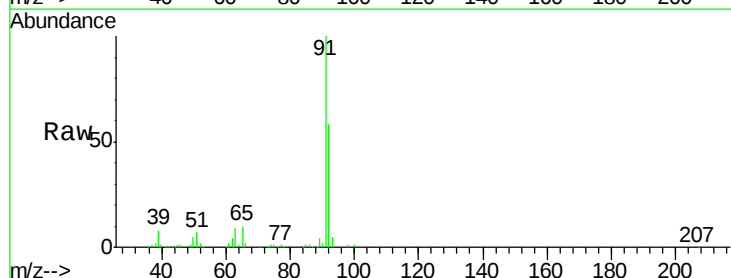
Acq: 03 Dec 2020 11:28

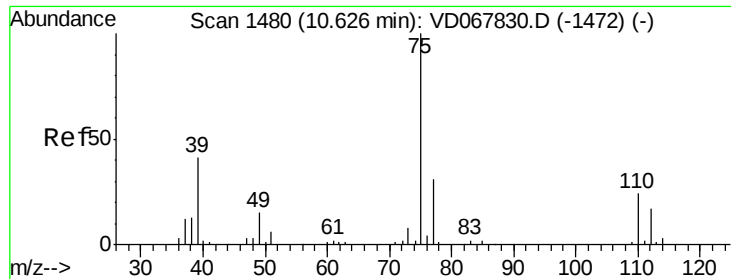
Tgt Ion: 92 Resp: 115313

Ion Ratio Lower Upper

92 100

91 169.9 134.2 201.2





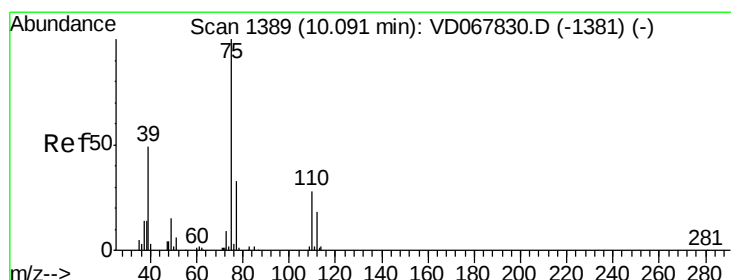
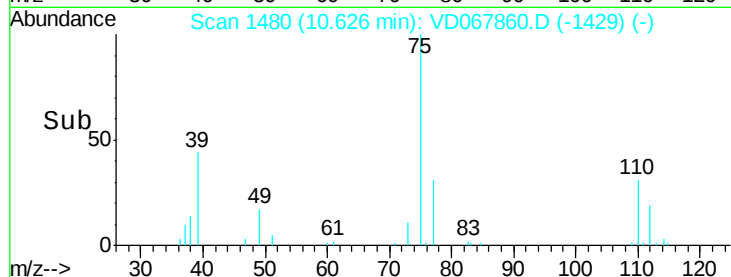
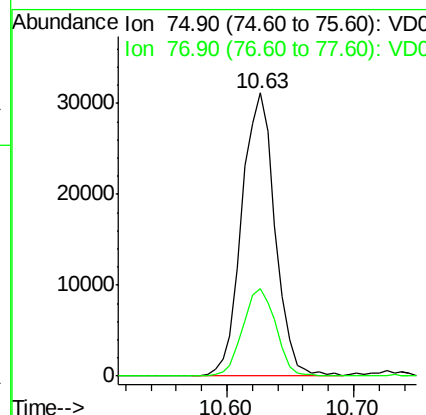
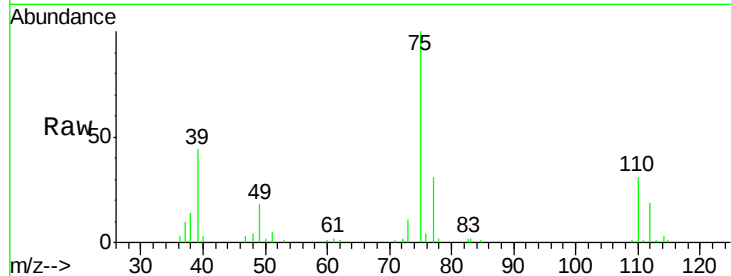
#53
 t-1,3-Dichloropropene
 Concen: 20.143 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: VD067860.D
 Acq: 03 Dec 2020 11:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1203SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.0	37.4

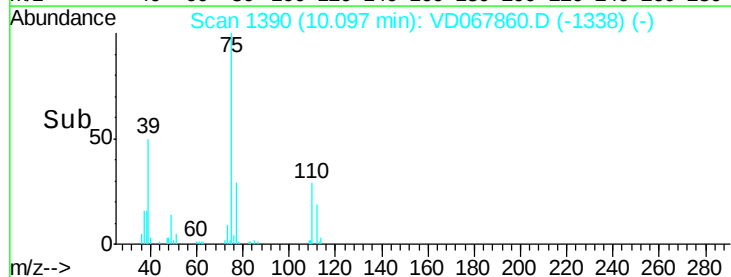
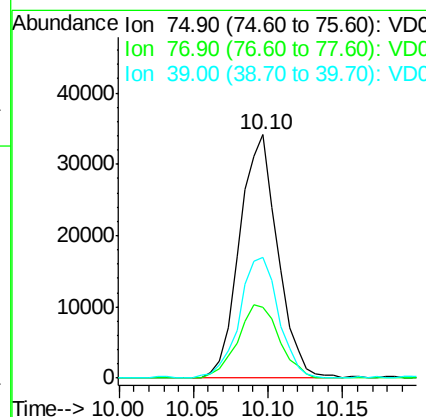
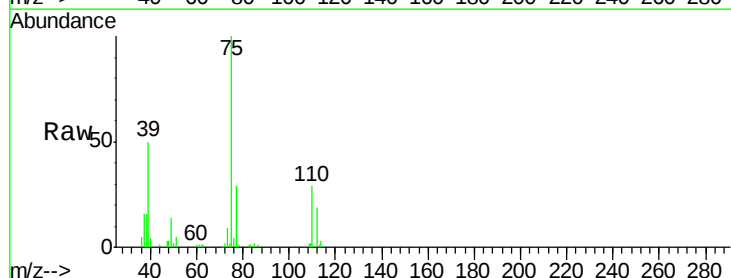
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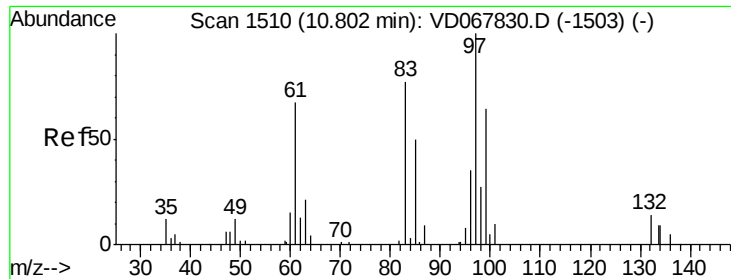
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#54
 cis-1,3-Dichloropropene
 Concen: 19.789 ug/l
 RT: 10.10 min Scan# 1390
 Delta R.T. 0.01 min
 Lab File: VD067860.D
 Acq: 03 Dec 2020 11:28

Tgt Ion	Ratio	Lower	Upper
75	100		
77	29.2	26.2	39.2
39	49.6	39.0	58.4





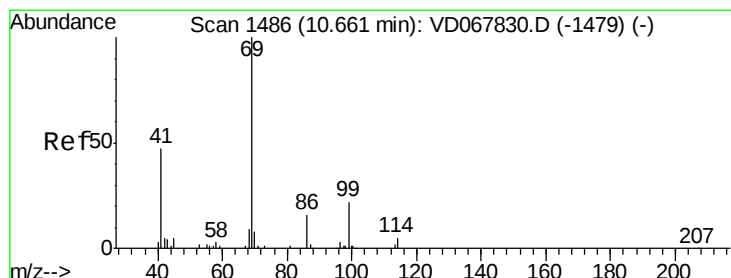
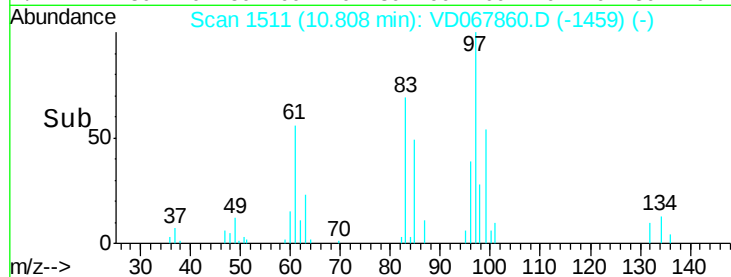
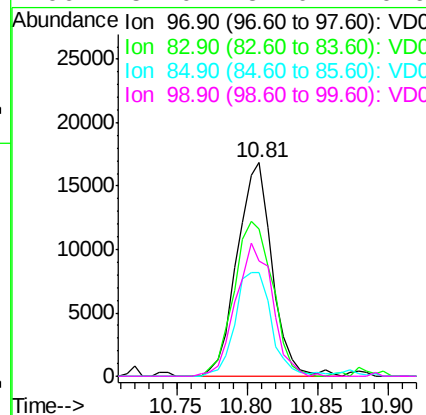
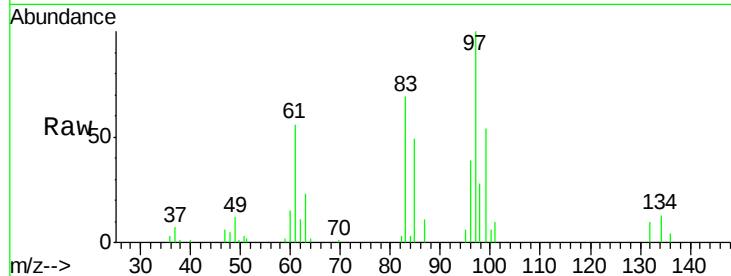
#55
 1,1,2-Trichloroethane
 Concen: 18.635 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD067860.D
 Acq: 03 Dec 2020 11:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1203SBSD01

Tot Ion	97	Resp:	29165
Ion	Ratio	Lower	Upper
97	100		
83	68.7	61.9	92.9
85	48.6	40.2	60.4
99	54.0	51.0	76.6

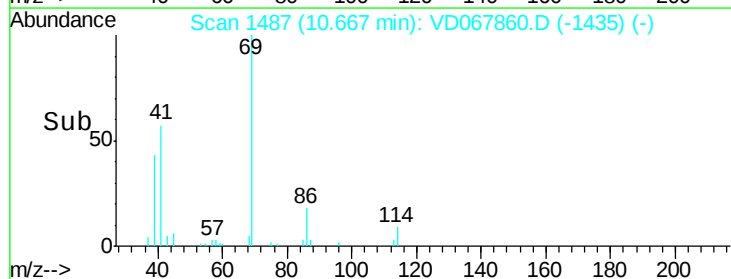
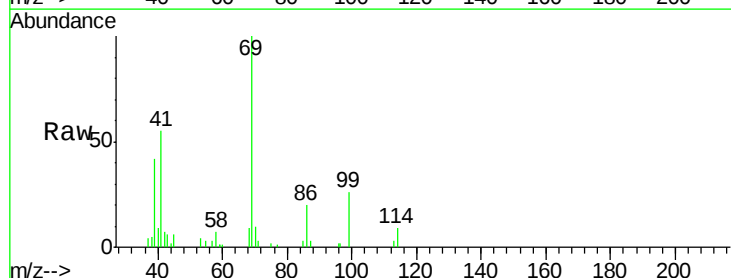
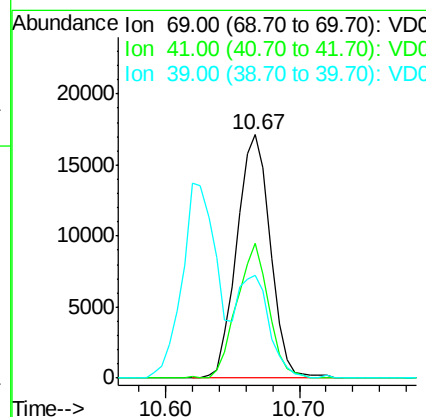
Manual Integrations
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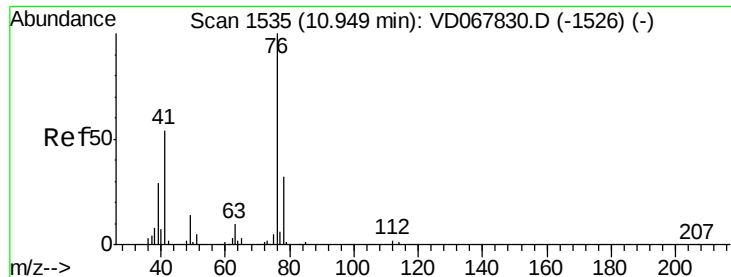
MMDadoda
 12/4/2020 11:26:32 AM



#56
 Ethyl methacrylate
 Concen: 18.758 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD067860.D
 Acq: 03 Dec 2020 11:28

Tgt Ion	69	Resp:	29870
Ion	Ratio	Lower	Upper
69	100		
41	52.7	42.8	64.2
39	38.2	30.5	45.7





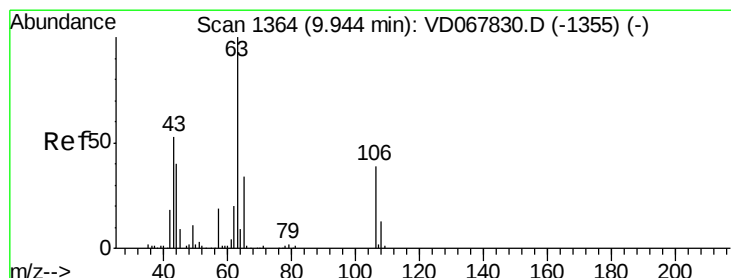
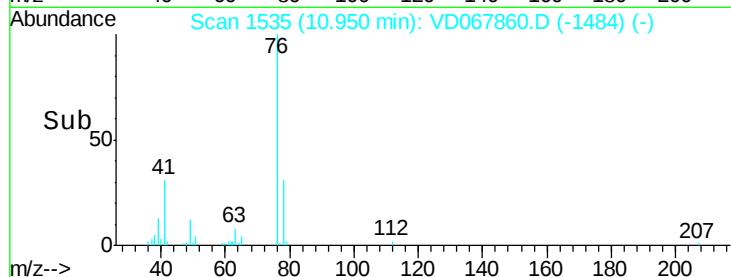
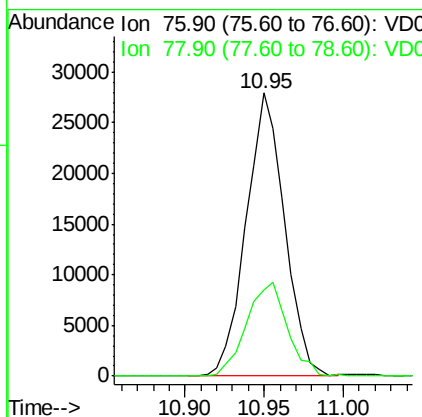
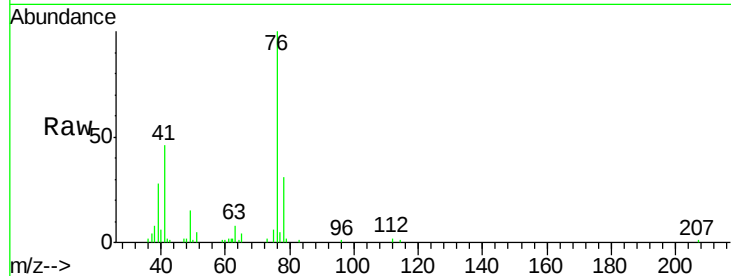
#57
 1,3-Dichloropropane
 Concen: 18.942 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD067860.D
 Acq: 03 Dec 2020 11:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1203SBSD01

Tot Ion: 76 Resp: 46961
 Ion Ratio Lower Upper
 76 100
 78 35.3 26.6 39.8

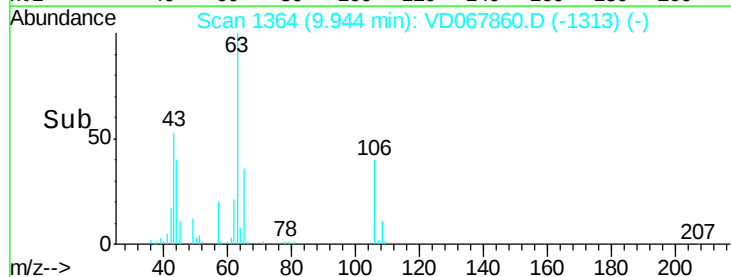
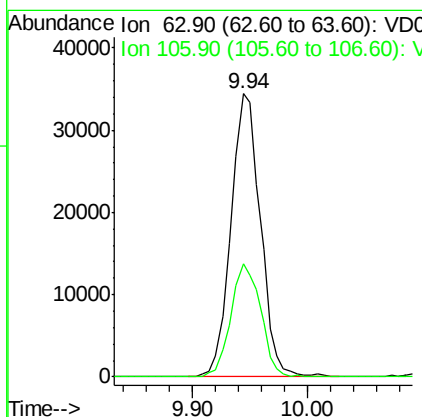
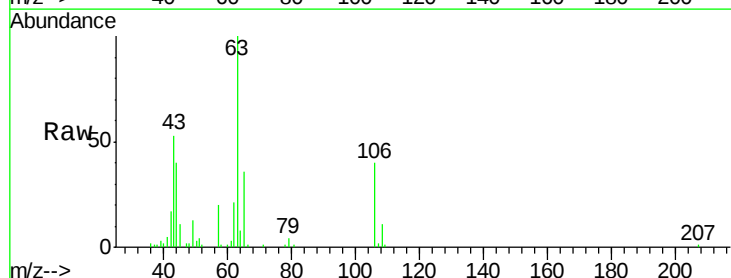
Manual Integrations
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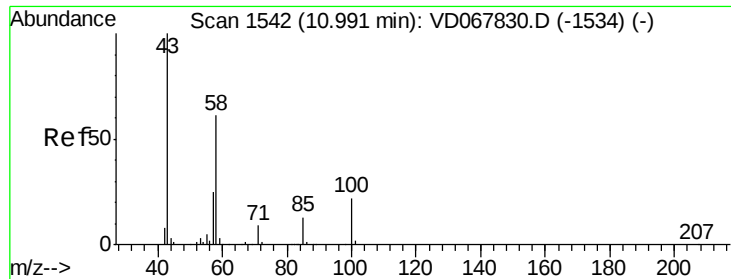
MMDadoda
 12/4/2020 11:26:32 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 83.802 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD067860.D
 Acq: 03 Dec 2020 11:28

Tgt Ion: 63 Resp: 60722
 Ion Ratio Lower Upper
 63 100
 106 40.4 32.0 48.0





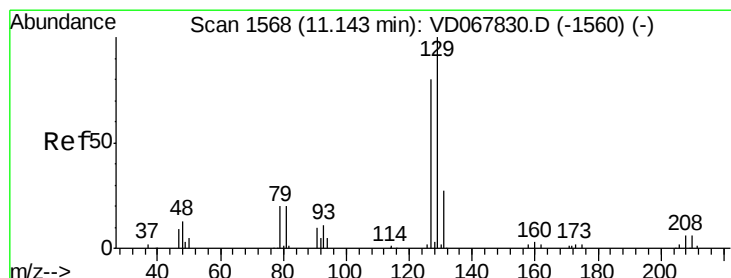
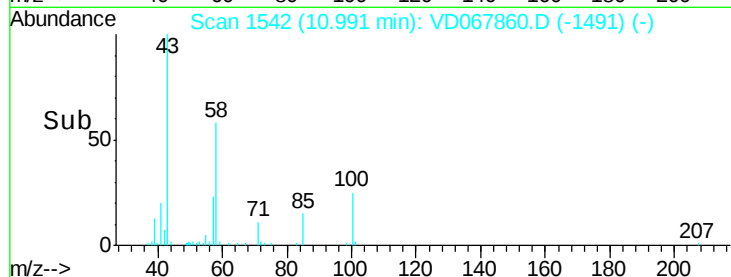
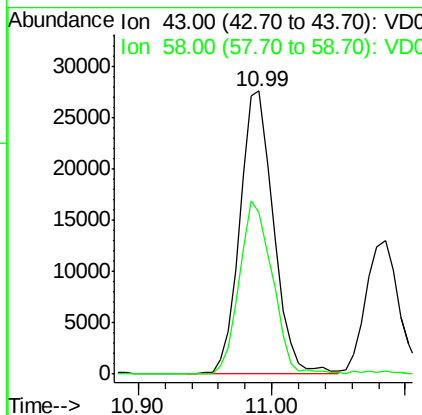
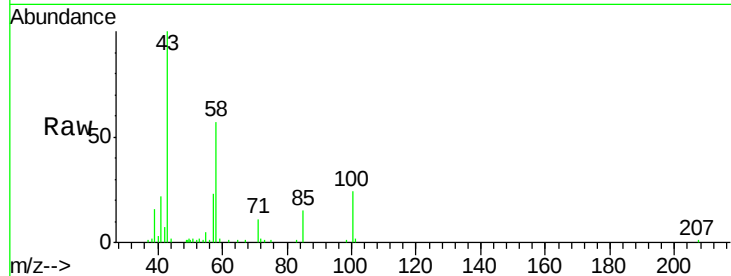
#59
2-Hexanone
Concen: 93.050 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067860.D
Acq: 03 Dec 2020 11:28

Instrument :
MSVOA_D
ClientSampleId :
VD1203SBSD01

Tot Ion: 43 Resp: 48219
Ion Ratio Lower Upper
43 100
58 59.9 29.9 89.7

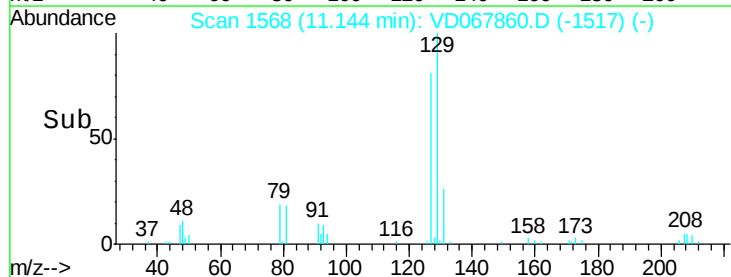
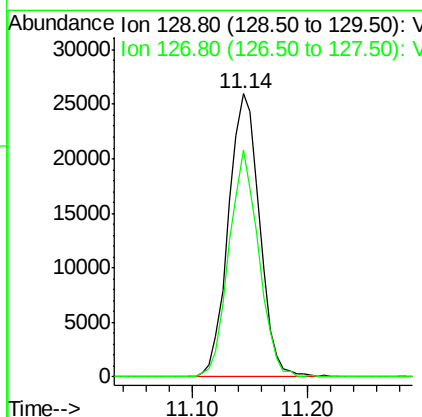
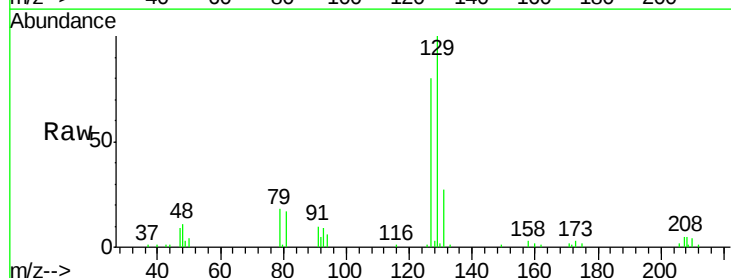
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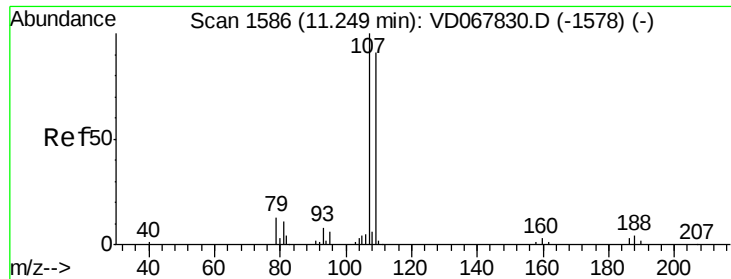
MMDadoda
12/4/2020 11:26:32 AM



#60
Dibromochloromethane
Concen: 20.575 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067860.D
Acq: 03 Dec 2020 11:28

Tgt Ion: 129 Resp: 48542
Ion Ratio Lower Upper
129 100
127 76.2 39.2 117.6





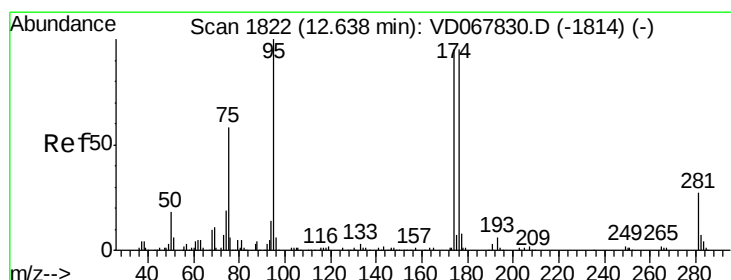
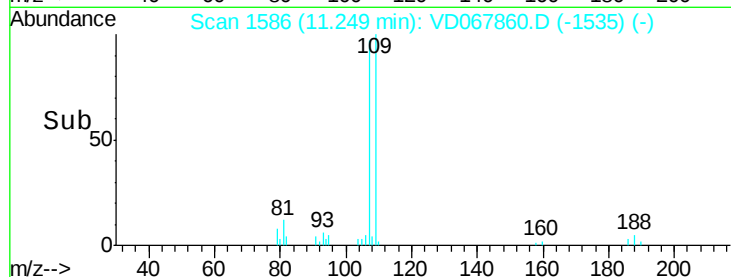
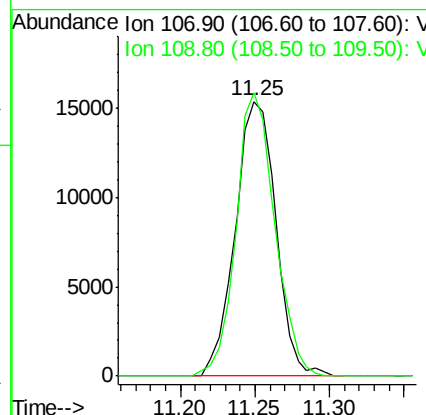
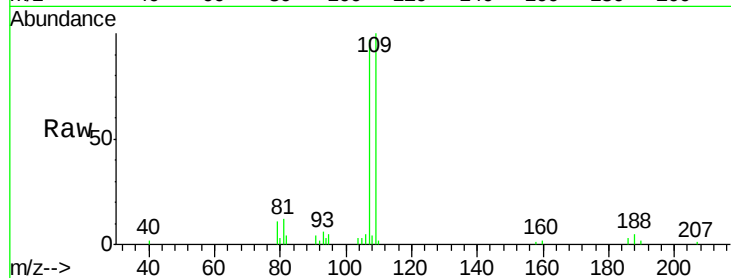
#61
 1,2-Dibromoethane
 Concen: 18.889 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067860.D
 Acq: 03 Dec 2020 11:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1203SBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	98.4	75.9	113.9

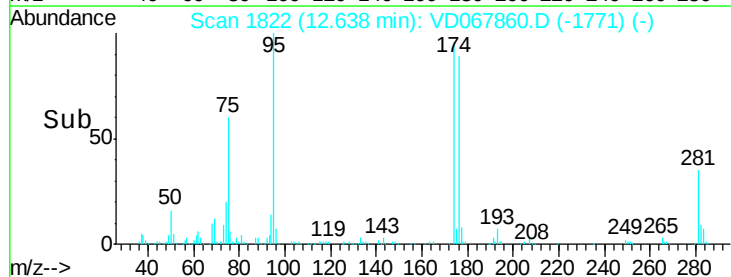
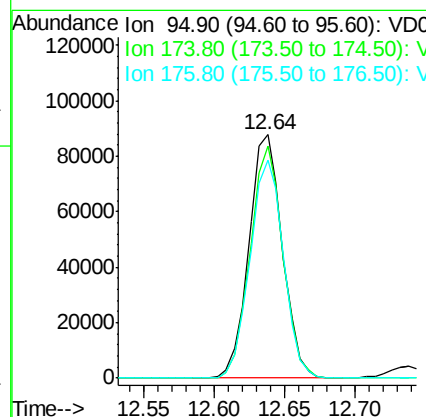
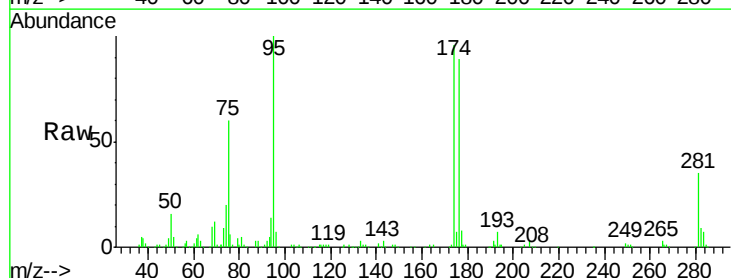
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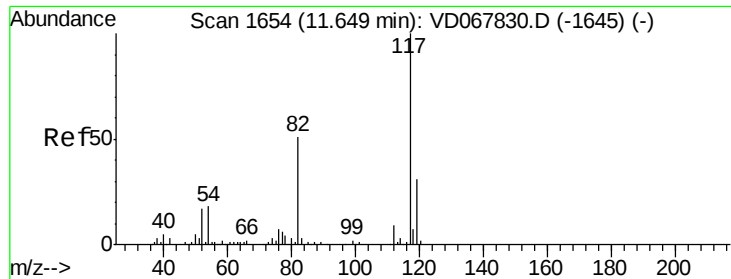
MMDadoda
 12/4/2020 11:26:32 AM



#62
 4-Bromofluorobenzene
 Concen: 51.674 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067860.D
 Acq: 03 Dec 2020 11:28

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.4	0.0	186.0
176	89.9	0.0	184.2





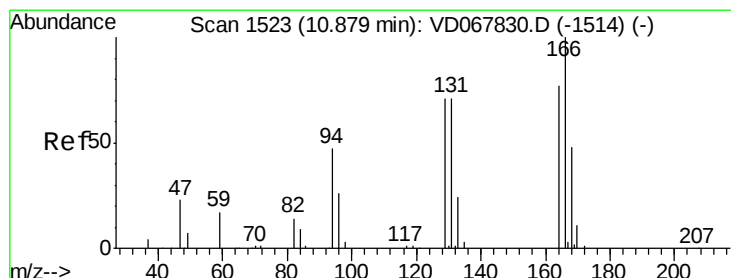
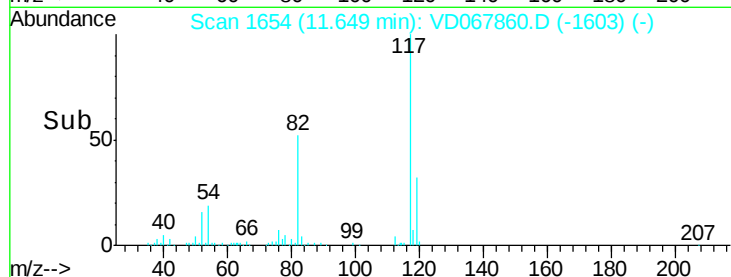
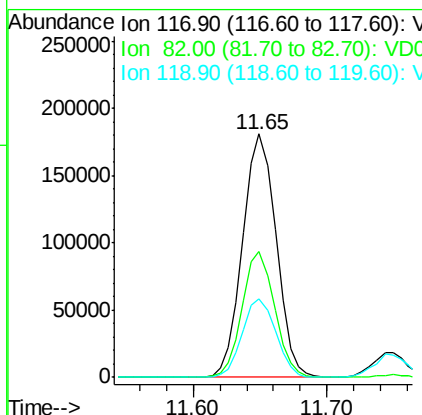
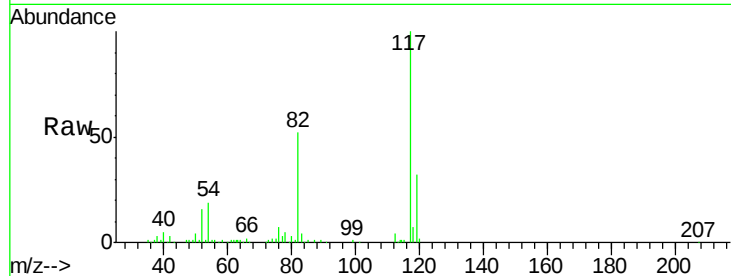
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067860.D
Acq: 03 Dec 2020 11:28

Instrument :
MSVOA_D
ClientSampleId :
VD1203SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	316092		
82	51.9		40.6	60.8
119	32.3		25.1	37.7

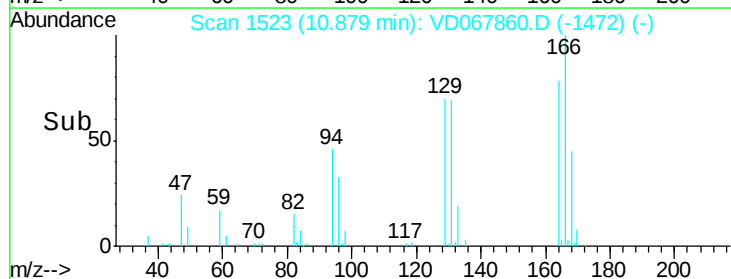
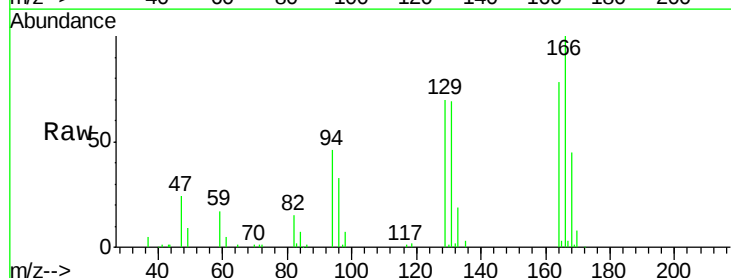
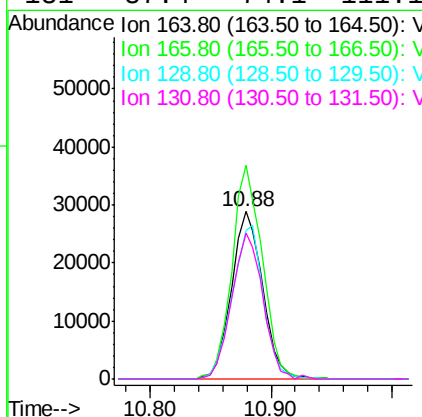
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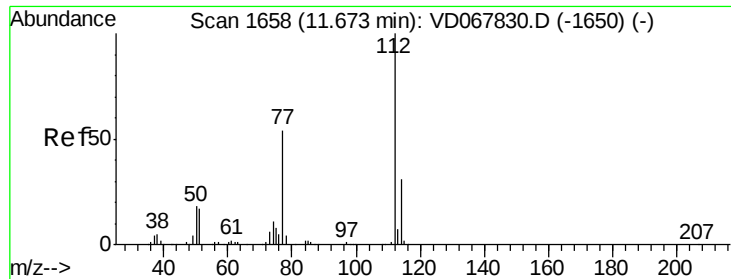
MMDadoda
12/4/2020 11:26:32 AM



#64
Tetrachloroethene
Concen: 20.096 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067860.D
Acq: 03 Dec 2020 11:28

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	51815		
166	127.6		103.8	155.6
129	88.8		73.3	109.9
131	87.4		74.1	111.1





#65

Chlorobenzene

Concen: 19.823 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD067860.D

Acq: 03 Dec 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

VD1203SBSD01

Tot Ion:112 Resp: 129289

Ion Ratio Lower Upper

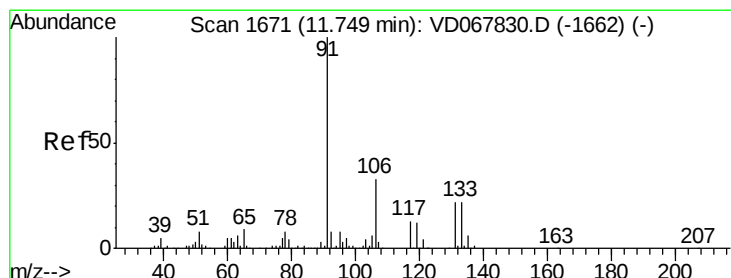
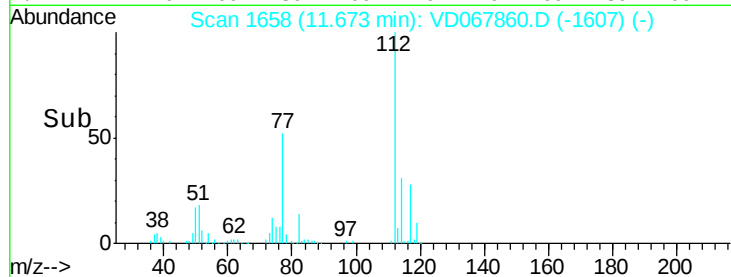
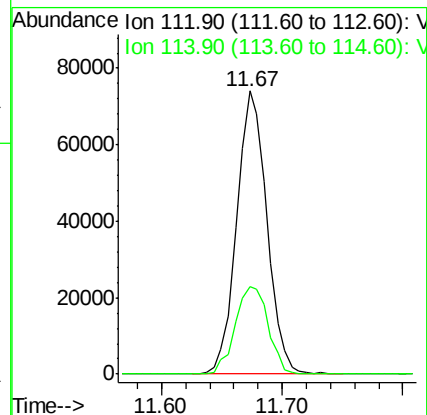
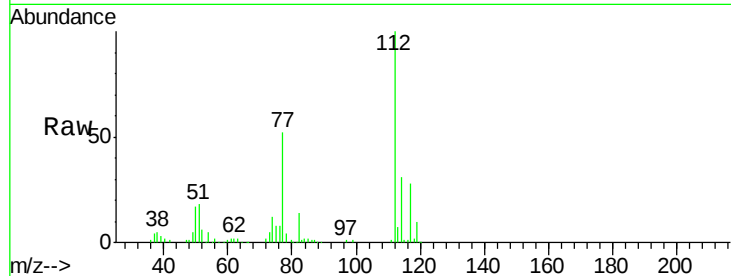
112 100

114 31.1 25.0 37.4

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 20.168 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067860.D

Acq: 03 Dec 2020 11:28

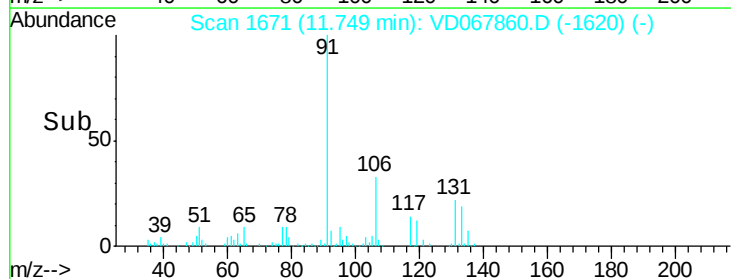
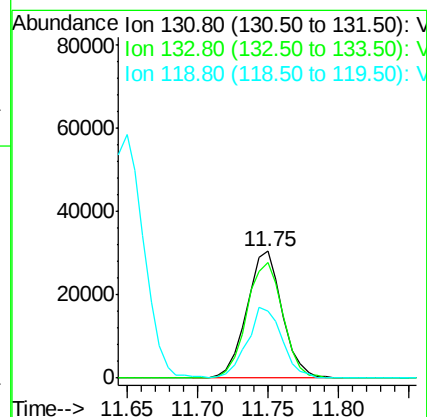
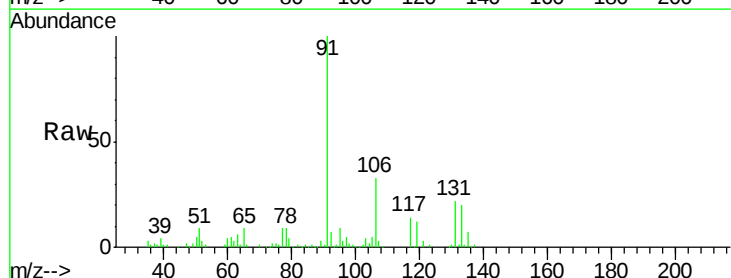
Tgt Ion:131 Resp: 53650

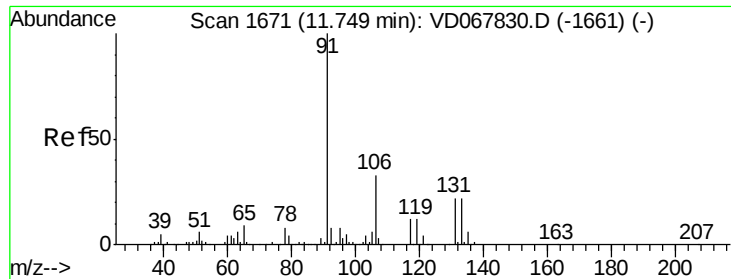
Ion Ratio Lower Upper

131 100

133 92.5 49.9 149.7

119 55.0 29.6 88.9





#67

Ethyl Benzene

Concen: 20.294 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067860.D

Acq: 03 Dec 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

VD1203SBS01

Tot Ion: 91 Resp: 225476

Ion Ratio Lower Upper

91 100

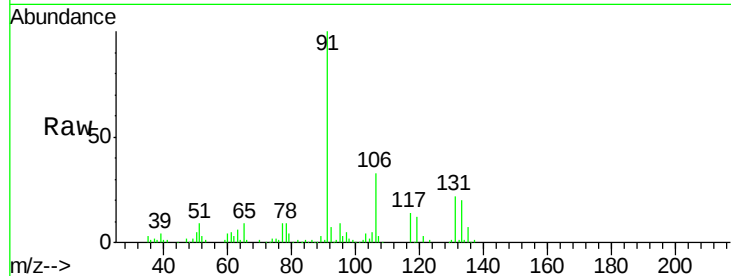
106 32.5 26.2 39.2

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VD067860.D

Ion 106.00 (105.70 to 106.70): VD067860.D

200000

150000

100000

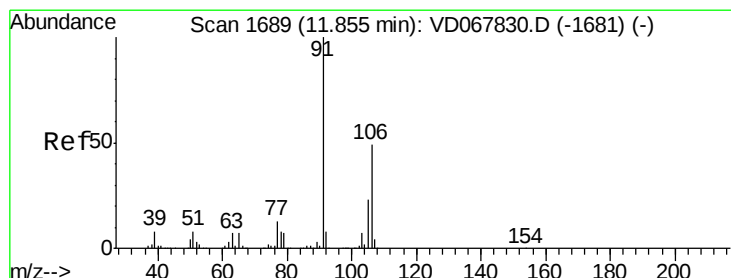
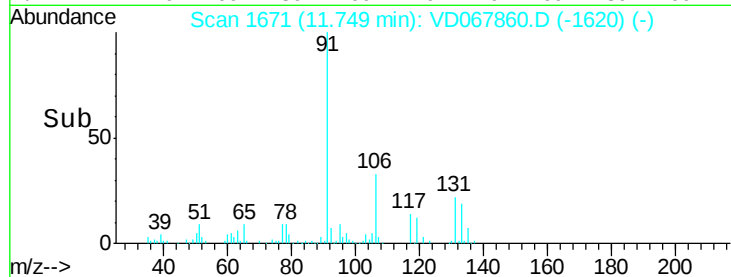
50000

0

11.65 11.70 11.75 11.80

11.75

Time-->



#68

m/p-Xylenes

Concen: 40.809 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VD067860.D

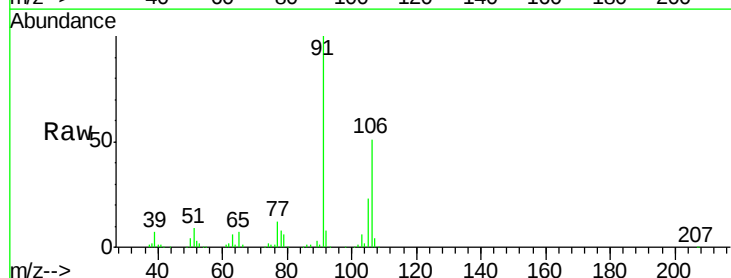
Acq: 03 Dec 2020 11:28

Tgt Ion: 106 Resp: 178784

Ion Ratio Lower Upper

106 100

91 200.7 162.8 244.2



Abundance Ion 106.00 (105.70 to 106.70): VD067860.D

Ion 91.00 (90.70 to 91.70): VD067860.D

200000

150000

100000

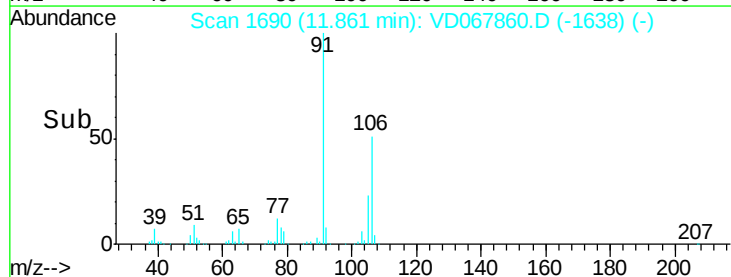
50000

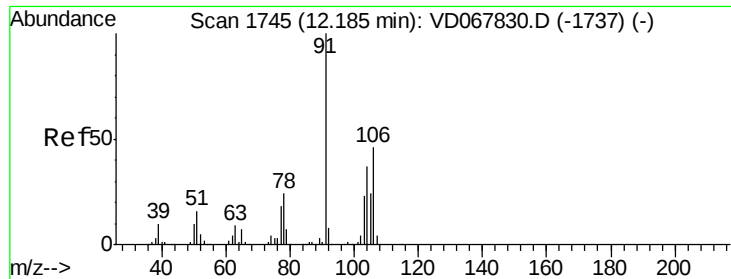
0

11.80 11.85 11.90

11.86

Time-->





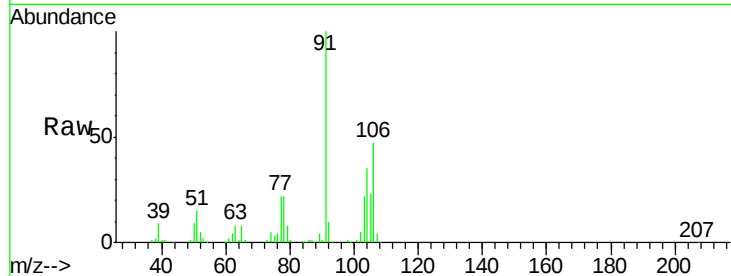
#69
o-Xylene
Concen: 20.548 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067860.D
Acq: 03 Dec 2020 11:28

Instrument :
MSVOA_D
ClientSampleId :
VD1203SBS01

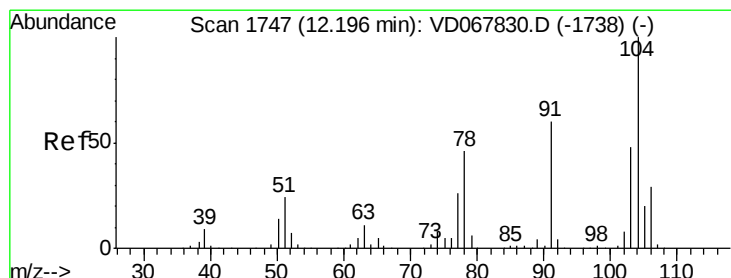
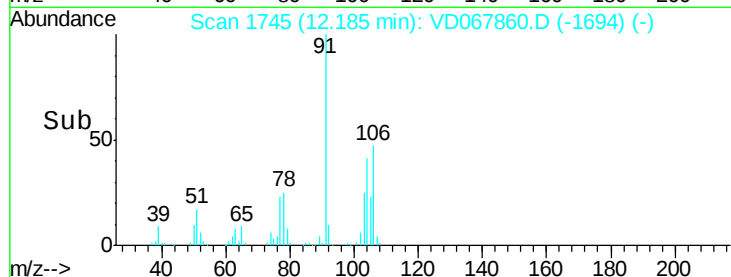
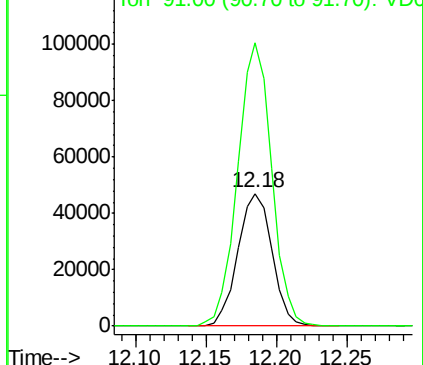
Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	211.9	107.5	322.5	

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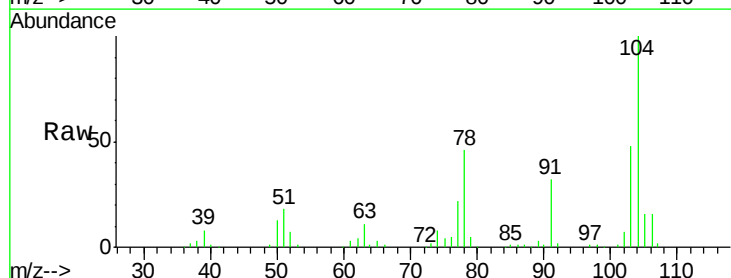


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

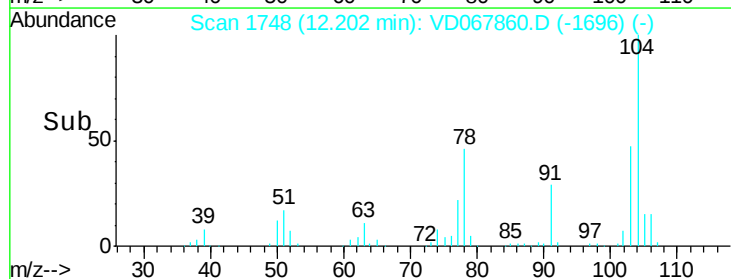
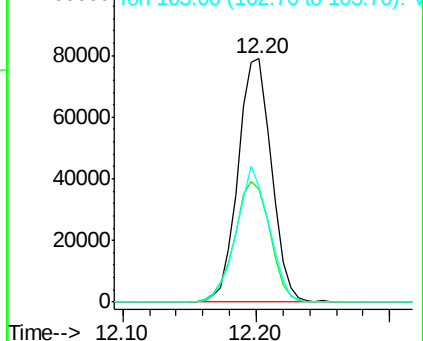


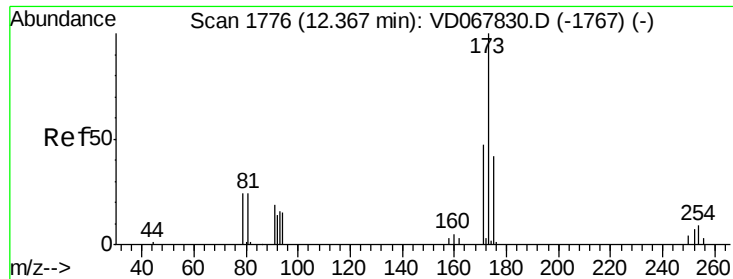
#70
Styrene
Concen: 20.274 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD067860.D
Acq: 03 Dec 2020 11:28

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	52.6	41.6	62.4	
103	54.5	43.2	64.8	



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





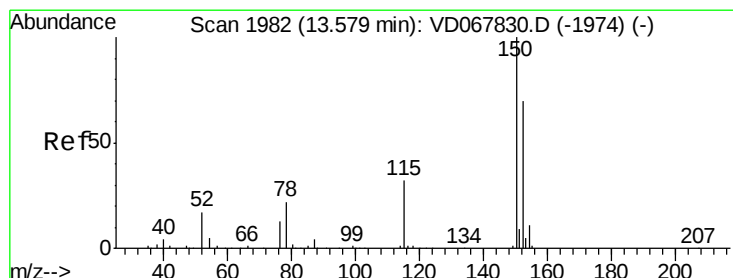
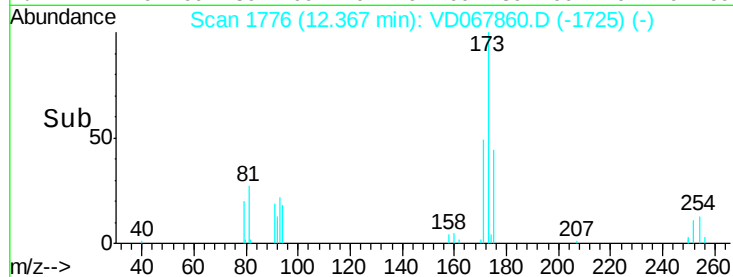
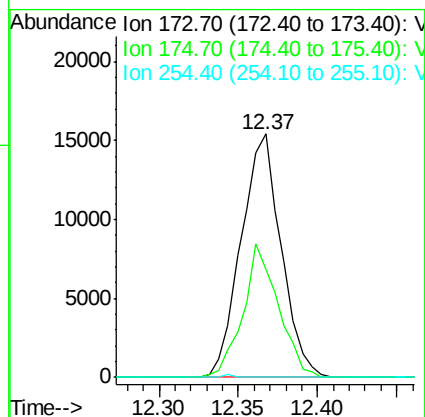
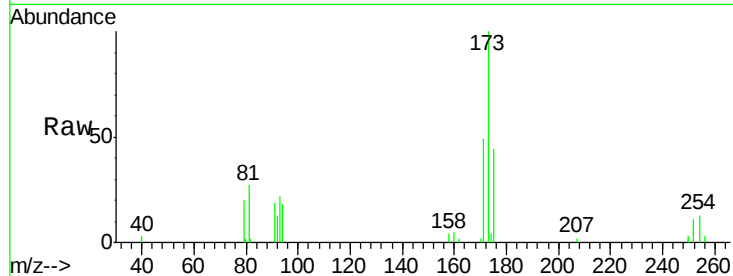
#71
Bromoform
Concen: 19.153 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD067860.D
Acq: 03 Dec 2020 11:28

Instrument :
MSVOA_D
ClientSampleId :
VD1203SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	23.4	70.3
254	0.0	0.1	0.1#

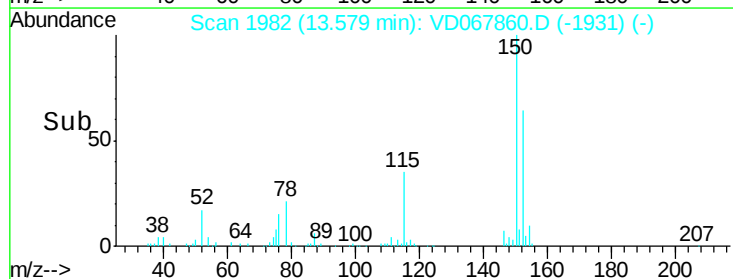
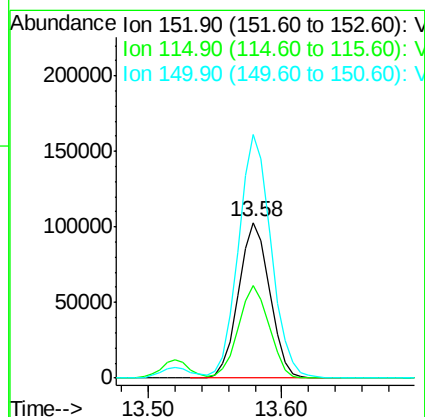
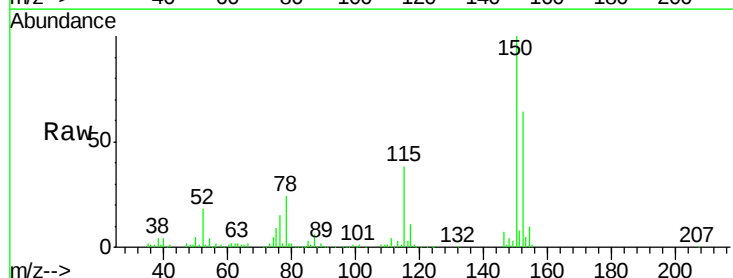
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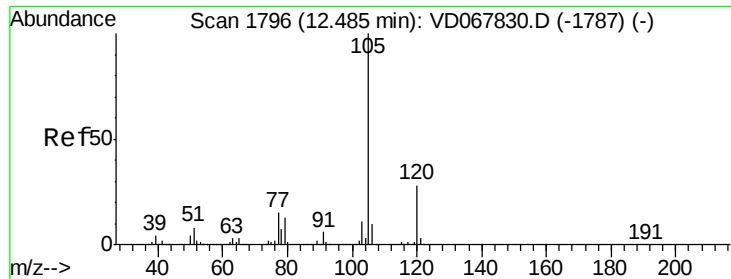
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067860.D
Acq: 03 Dec 2020 11:28

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.8	29.1	87.4
150	163.5	0.0	339.0





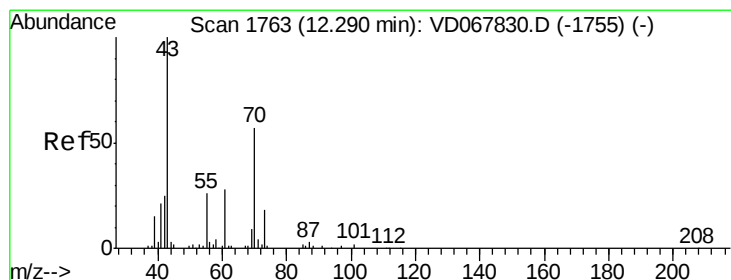
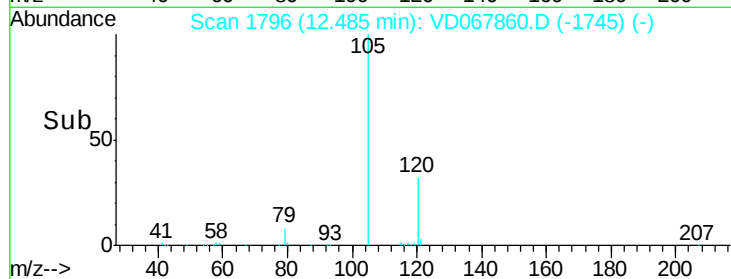
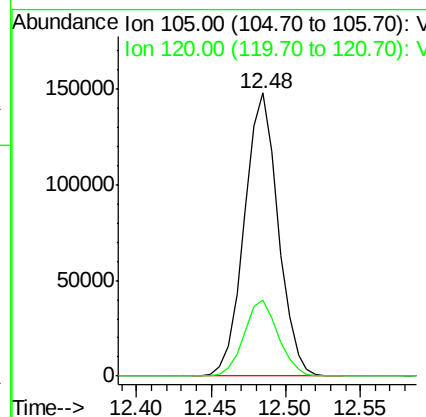
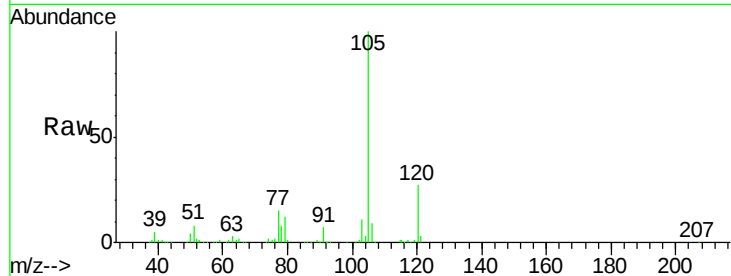
#73
Isopropylbenzene
Concen: 20.230 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD067860.D
Acq: 03 Dec 2020 11:28

Instrument :
MSVOA_D
ClientSampleId :
VD1203SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	231602		
120	27.2	13.9	41.6	

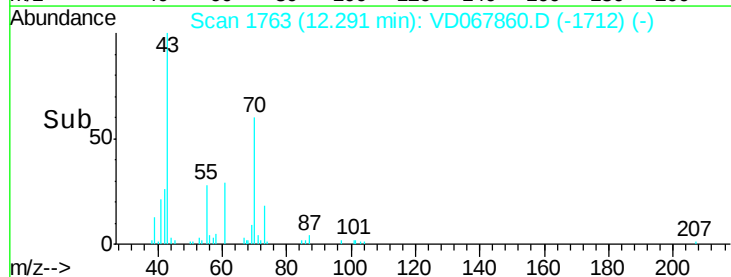
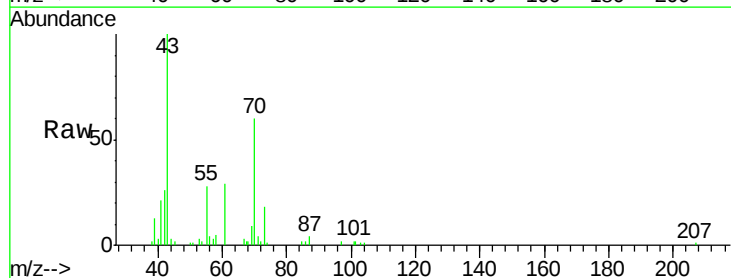
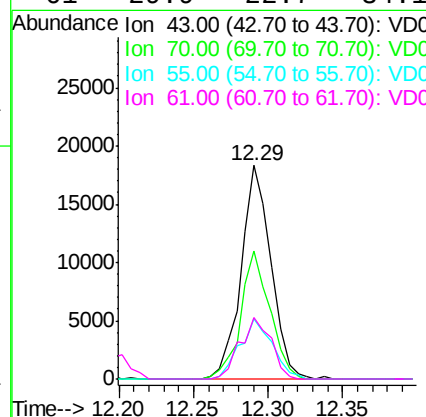
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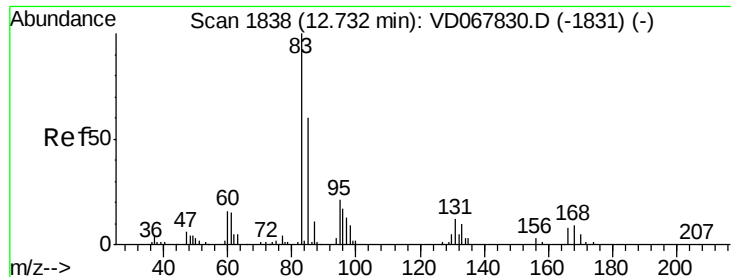
MMDadoda
12/4/2020 11:26:32 AM



#74
N-ethyl acetate
Concen: 18.005 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. 0.00 min
Lab File: VD067860.D
Acq: 03 Dec 2020 11:28

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	25498		
70	58.3	44.6	66.8	
55	30.8	22.2	33.2	
61	29.9	22.7	34.1	





#75

1,1,2,2-Tetrachloroethane

Concen: 18.612 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD067860.D

Acq: 03 Dec 2020 11:28

Instrument :

MSVOA_D

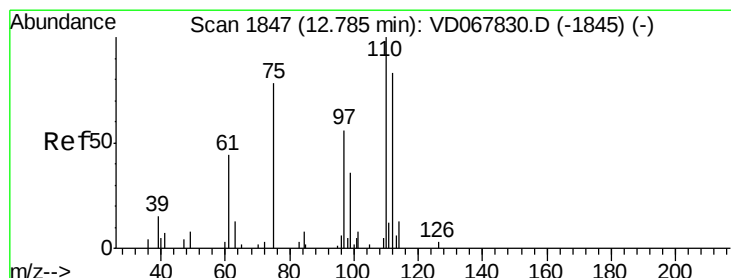
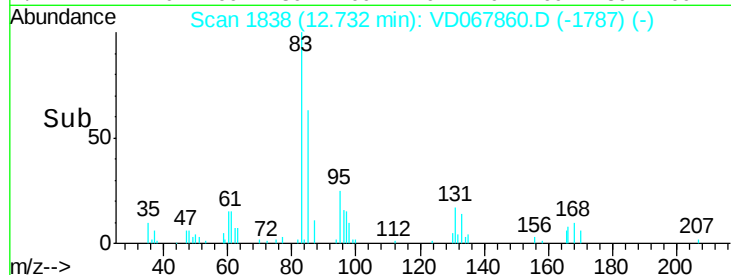
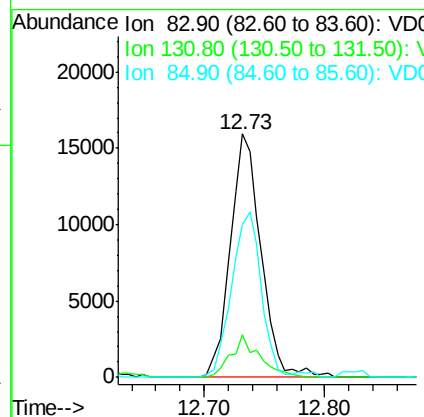
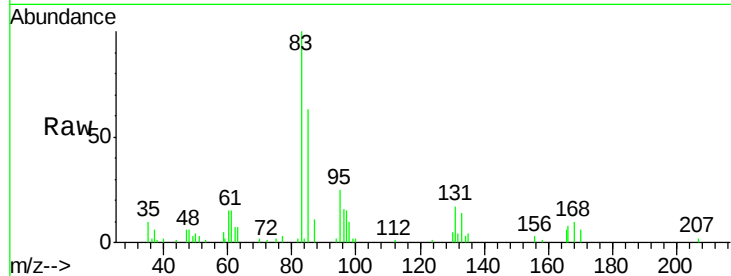
ClientSampleId :

VD1203SBS01

Tot Ion:	83	Resp:	28132
Ion Ratio	Lower	Upper	
83	100		
131	16.0	8.0	24.0
85	65.3	31.7	95.1

Manual Integrations
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12/4/2020 11:26:32 AM



#76

1,2,3-Trichloropropane

Concen: 21.733 ug/l m

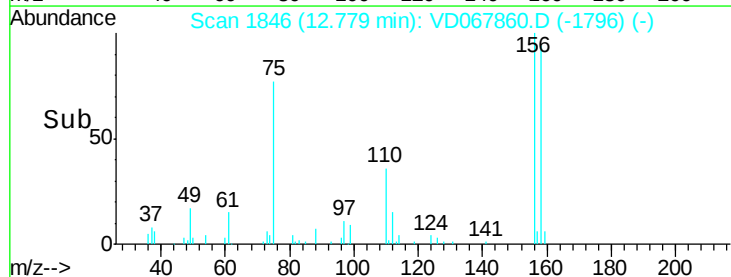
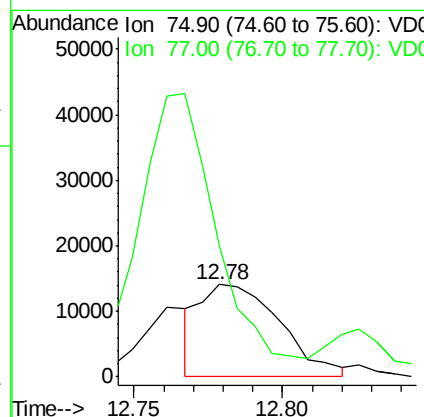
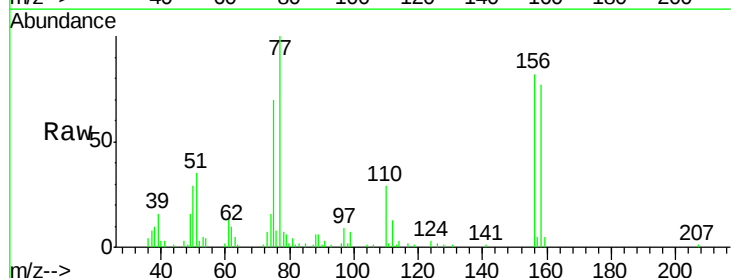
RT: 12.78 min Scan# 1846

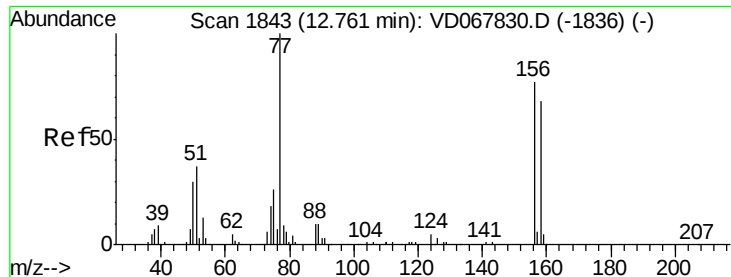
Delta R.T. -0.01 min

Lab File: VD067860.D

Acq: 03 Dec 2020 11:28

Tgt Ion:	75	Resp:	26348
Ion Ratio	Lower	Upper	
75	100		
77	306.9	175.9	527.7





#77

Bromobenzene

Concen: 20.212 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD067860.D

Acq: 03 Dec 2020 11:28

Instrument :

MSVOA_D

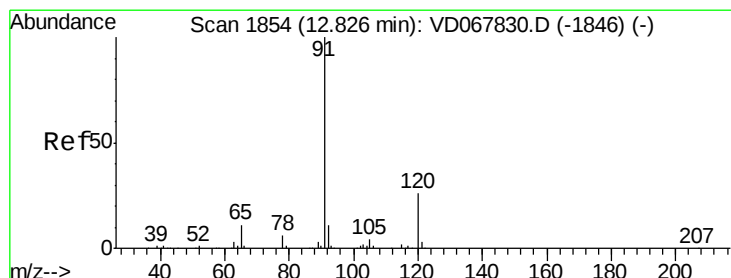
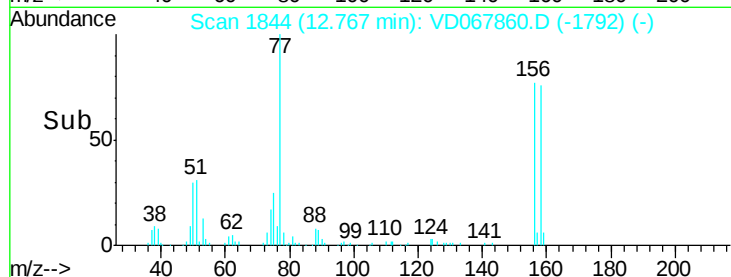
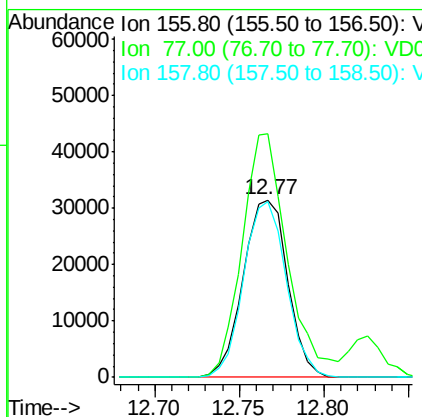
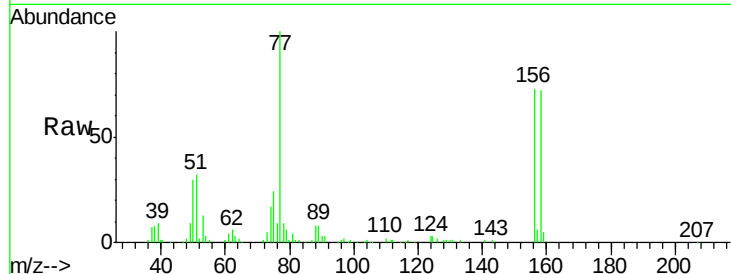
ClientSampleId :

VD1203SBS01

Tot Ion:	156	Resp:	57528
Ion Ratio	Lower	Upper	
156	100		
77	140.6	71.5	214.5
158	95.3	47.1	141.4

Manual Integrations
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#78

n-propylbenzene

Concen: 20.180 ug/l

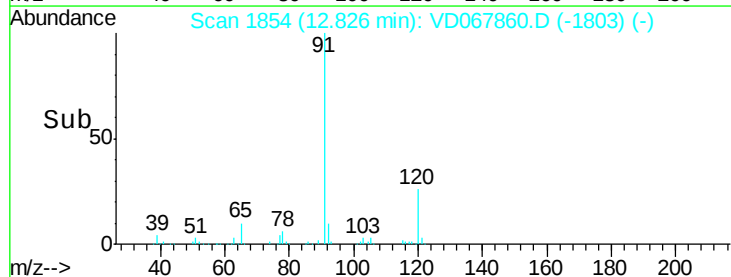
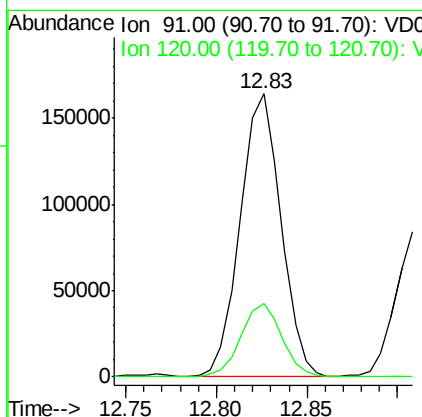
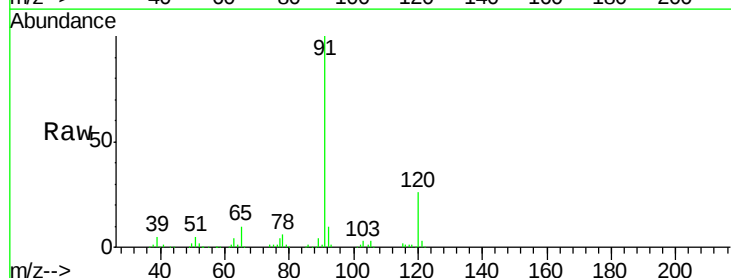
RT: 12.83 min Scan# 1854

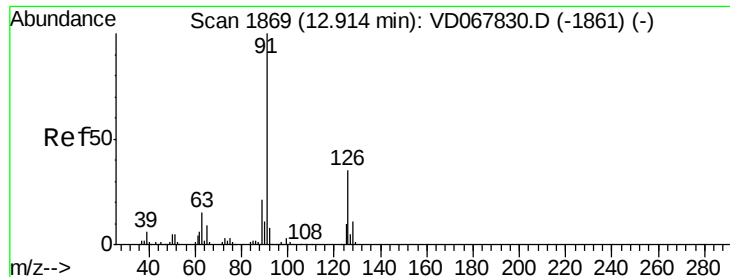
Delta R.T. 0.00 min

Lab File: VD067860.D

Acq: 03 Dec 2020 11:28

Tgt Ion:	91	Resp:	256064
Ion Ratio	Lower	Upper	
91	100		
120	26.0	12.7	38.0





#79

2-Chlorotoluene

Concen: 20.242 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD067860.D

Acq: 03 Dec 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

VD1203SBSD01

Tot Ion: 91 Resp: 151100

Ion Ratio Lower Upper

91 100

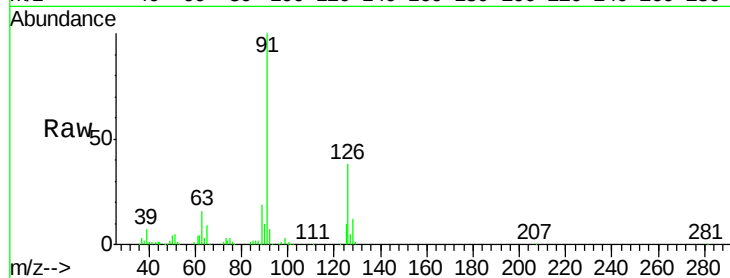
126 36.2 17.9 53.7

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VD067830.D (-1861) (-)

Ion 125.90 (125.60 to 126.60): VD067830.D (-1861) (-)

150000

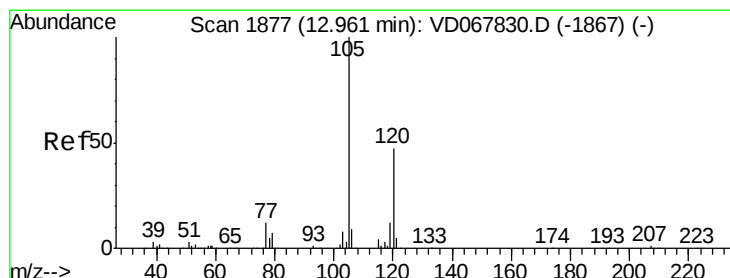
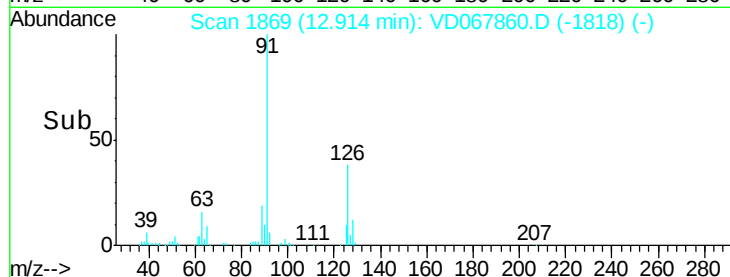
100000

50000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.607 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD067860.D

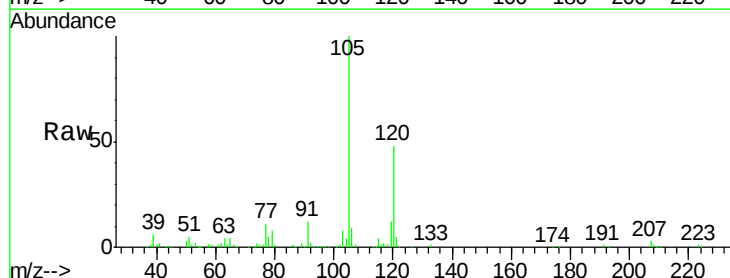
Acq: 03 Dec 2020 11:28

Tgt Ion: 105 Resp: 204261

Ion Ratio Lower Upper

105 100

120 49.3 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VD067830.D (-1867) (-)

Ion 120.00 (119.70 to 120.70): VD067830.D (-1867) (-)

150000

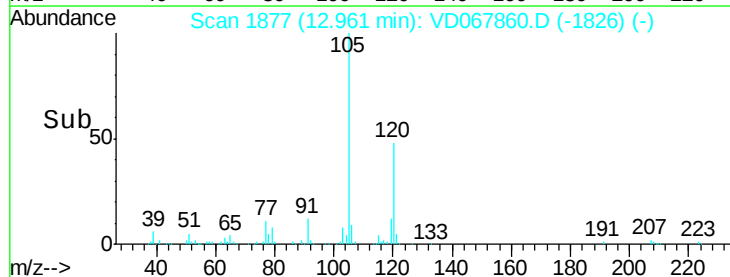
100000

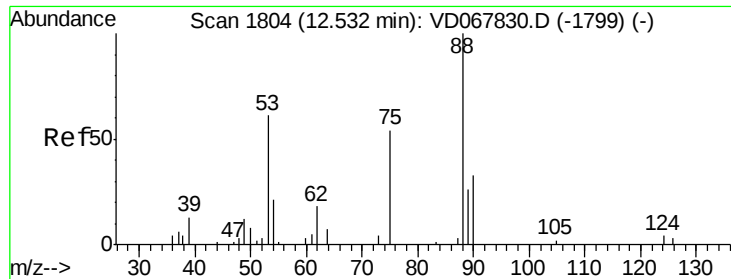
50000

0

12.90 13.00

Time-->





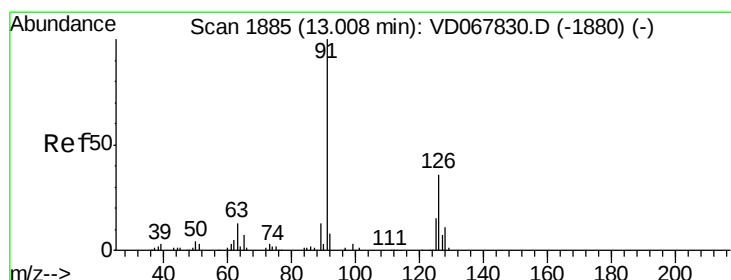
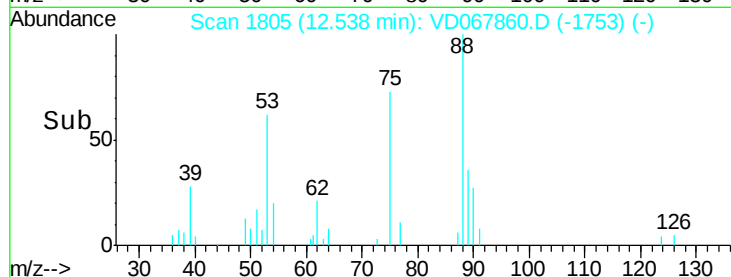
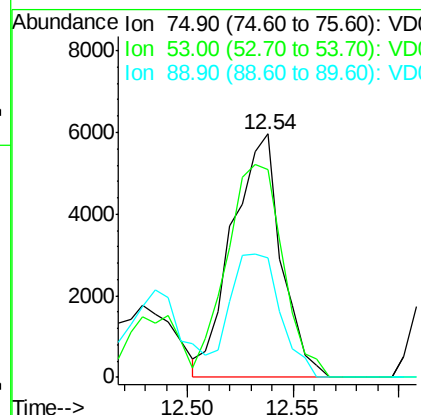
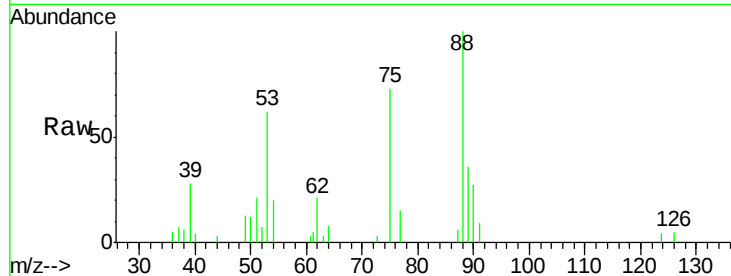
#81
trans-1,4-Dichloro-2-butene
Concen: 18.901 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. 0.01 min
Lab File: VD067860.D
Acq: 03 Dec 2020 11:28

Instrument :
MSVOA_D
ClientSampleId :
VD1203SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	100.6	84.6	127.0
89	52.4	41.0	61.6

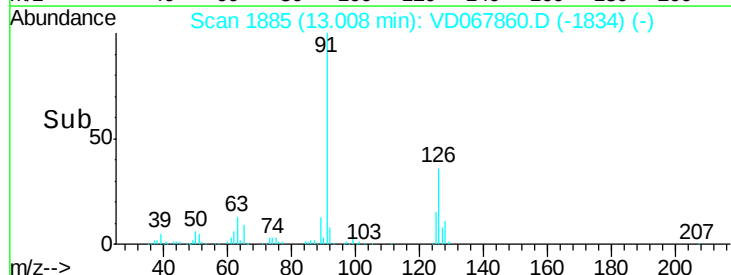
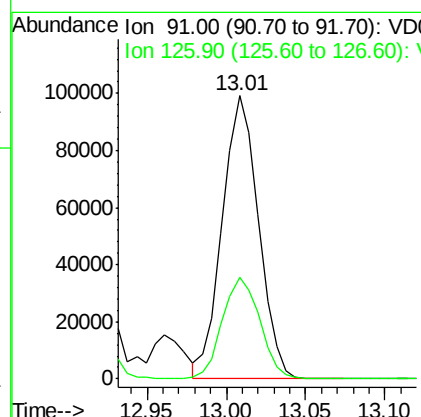
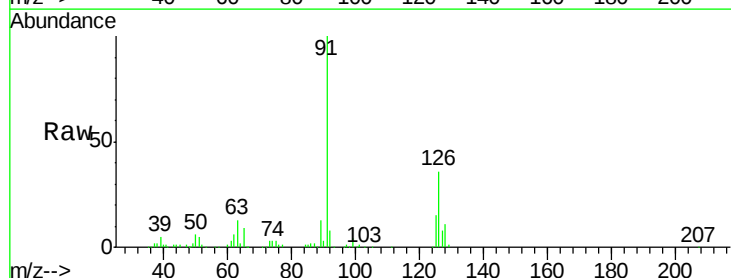
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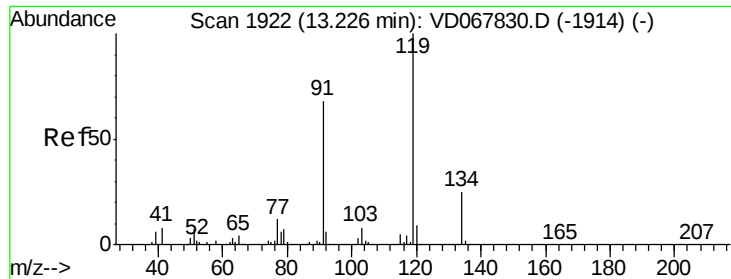
MMDadoda
12/4/2020 11:26:32 AM



#82
4-Chlorotoluene
Concen: 19.785 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD067860.D
Acq: 03 Dec 2020 11:28

Tgt Ion	Ratio	Lower	Upper
91	100		
126	37.0	18.1	54.4





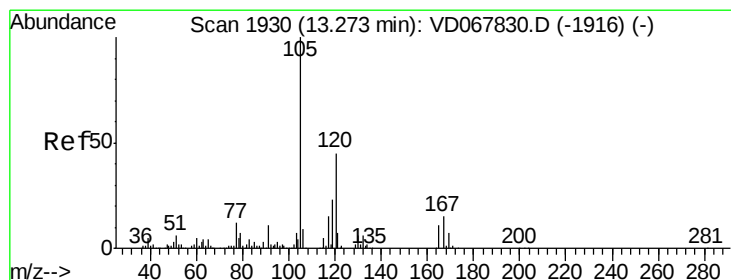
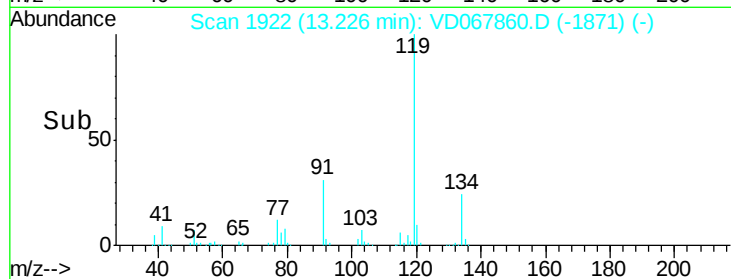
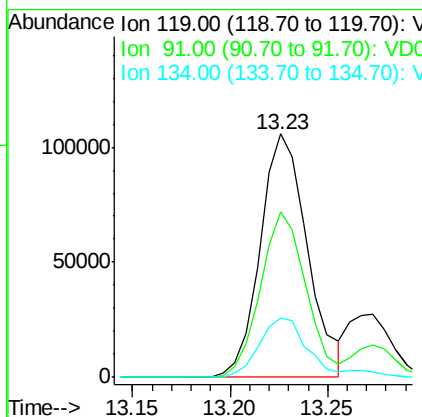
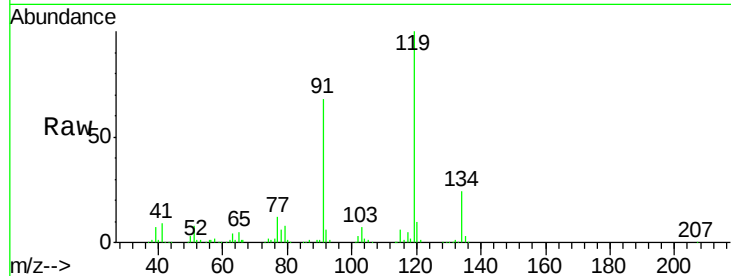
#83
tert-Butylbenzene
Concen: 20.977 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD067860.D
Acq: 03 Dec 2020 11:28

Instrument :
MSVOA_D
ClientSampleId :
VD1203SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	176939		
91	65.7	33.1	99.3	
134	26.4	13.6	40.8	

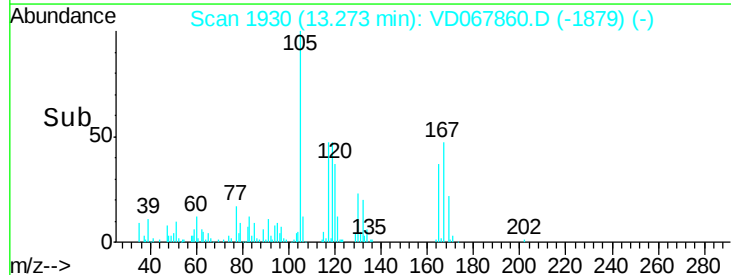
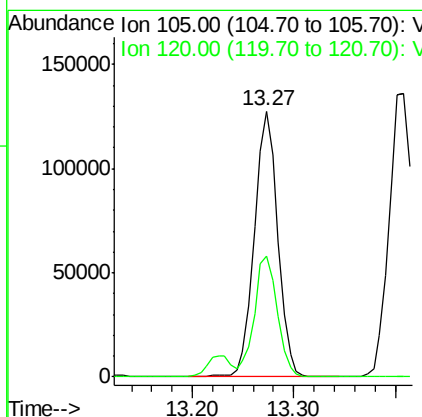
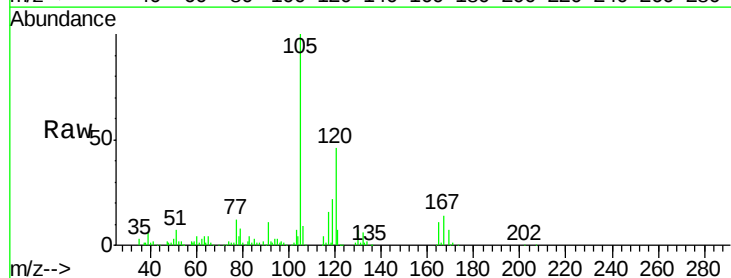
Manual Integrations
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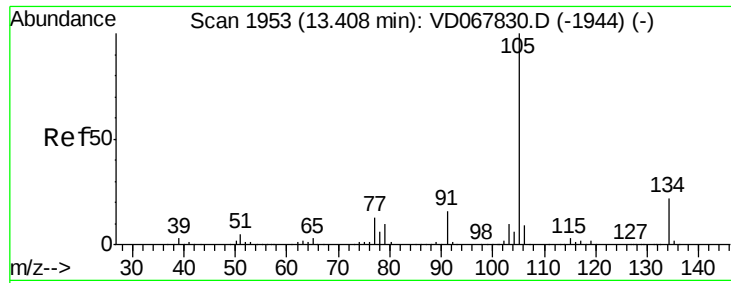
MMDadoda
12/4/2020 11:26:32 AM



#84
1,2,4-Trimethylbenzene
Concen: 20.690 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067860.D
Acq: 03 Dec 2020 11:28

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	203930		
120	44.8	22.1	66.5	





#85

sec-Butylbenzene

Concen: 19.643 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD067860.D

Acq: 03 Dec 2020 11:28

Instrument :

MSVOA_D

ClientSampleId :

VD1203SBS01

Tot Ion:105 Resp: 221135

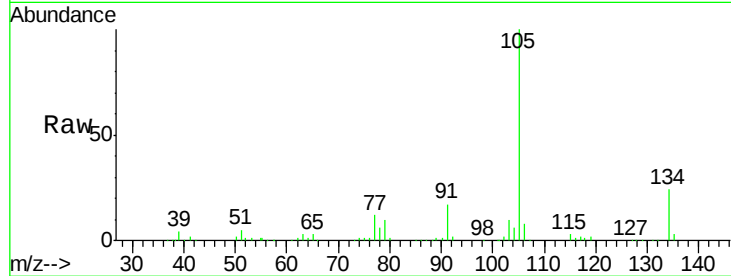
Ion Ratio Lower Upper

105 100

134 22.7 10.9 32.9

Manual Integrations
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MMDadoda
12/4/2020 11:26:32 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.41

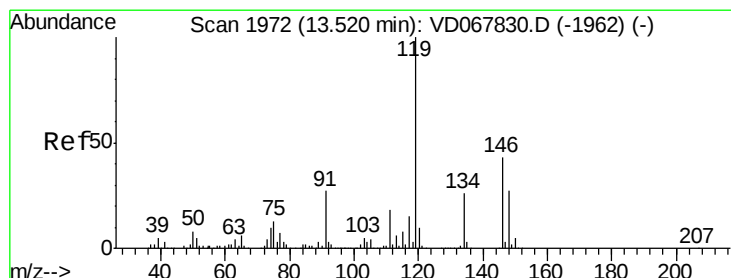
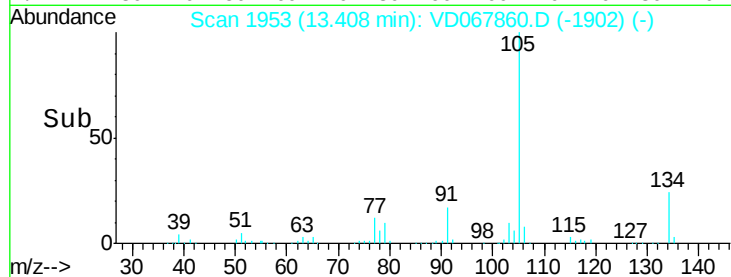
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.001 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067860.D

Acq: 03 Dec 2020 11:28

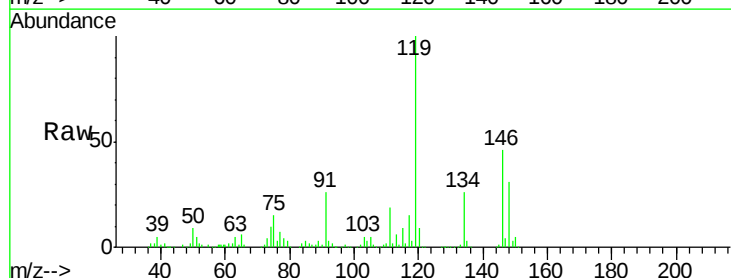
Tgt Ion:119 Resp: 220685

Ion Ratio Lower Upper

119 100

134 26.4 13.1 39.3

91 24.9 12.8 38.3



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

13.52

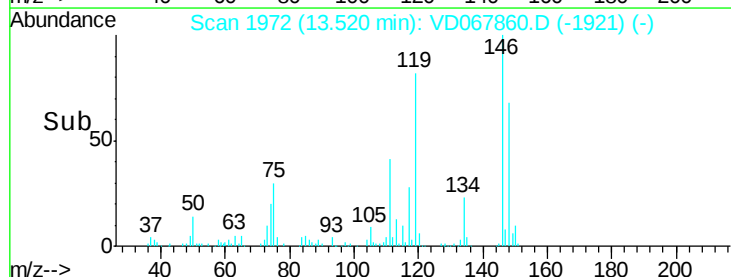
150000

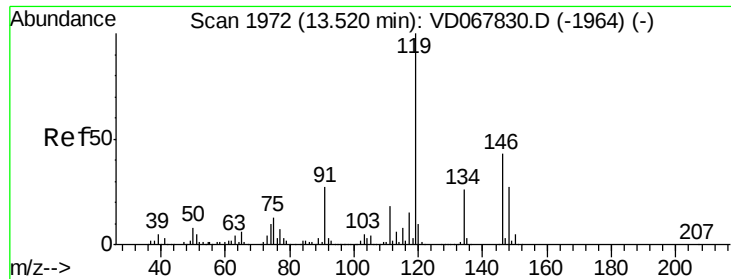
100000

50000

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Time-->





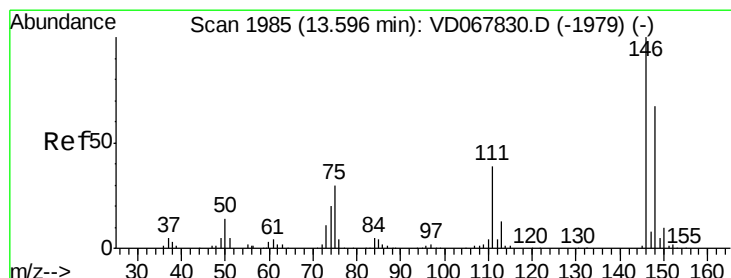
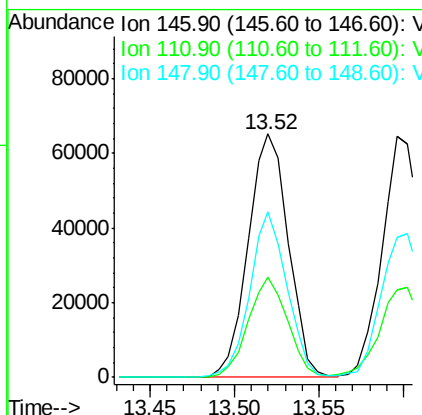
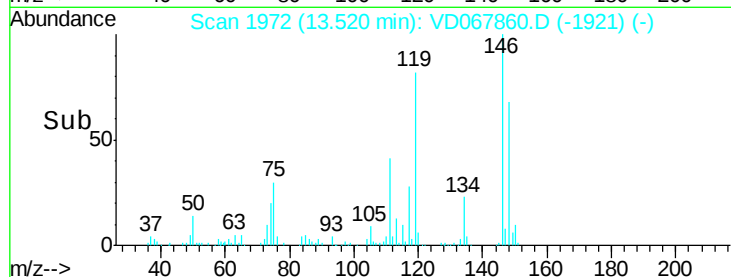
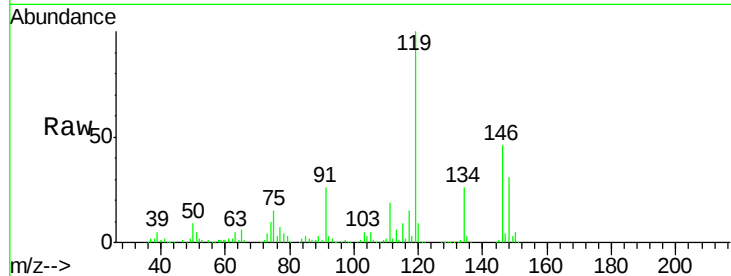
#87
 1,3-Dichlorobenzene
 Concen: 19.721 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067860.D
 Acq: 03 Dec 2020 11:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1203SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.8	62.2
148	63.1	32.9	98.6

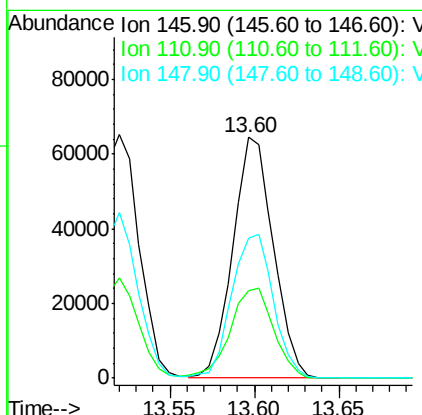
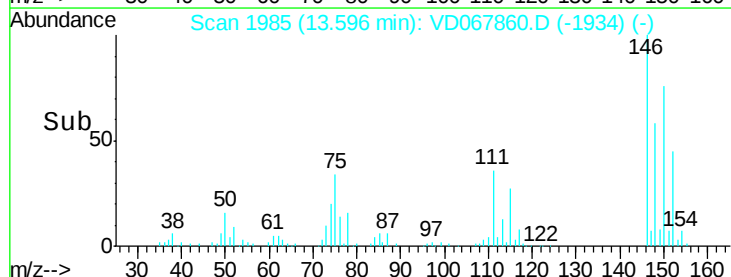
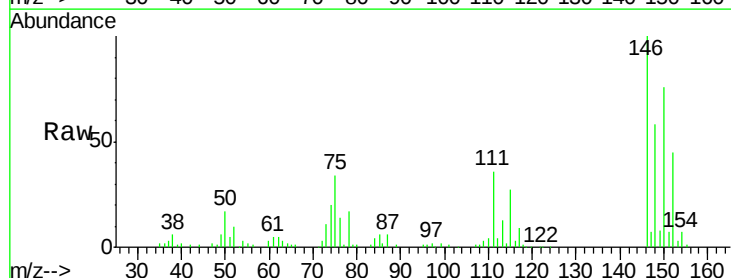
Manual Integrations
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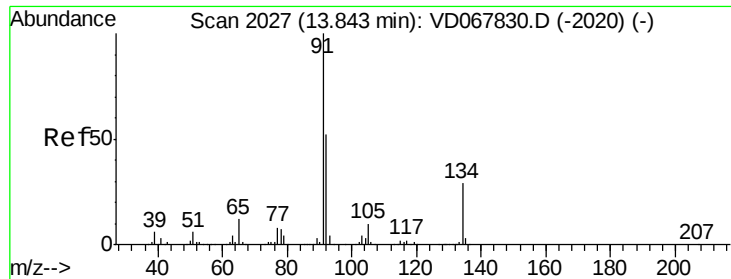
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 12/4/2020 11:26:32 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.579 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VD067860.D
 Acq: 03 Dec 2020 11:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	19.9	59.6
148	61.6	32.4	97.2





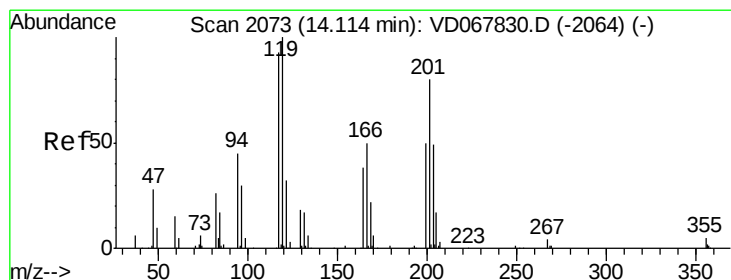
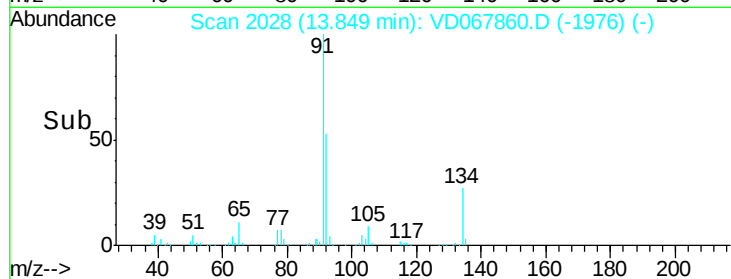
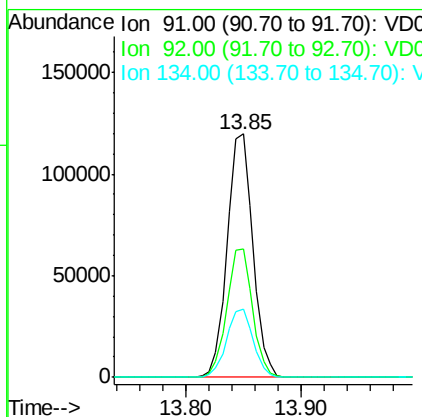
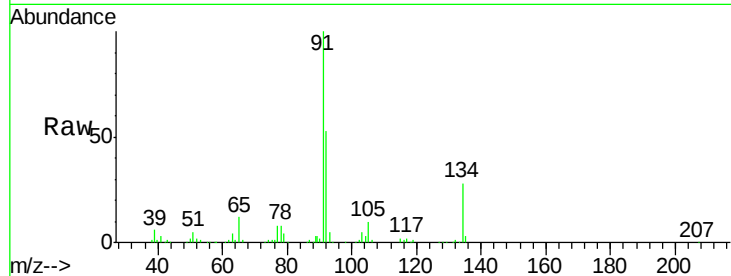
#89
n-Butylbenzene
Concen: 20.106 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD067860.D
Acq: 03 Dec 2020 11:28

Instrument :
MSVOA_D
ClientSampleId :
VD1203SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.3	78.8
134	28.9	14.8	44.3

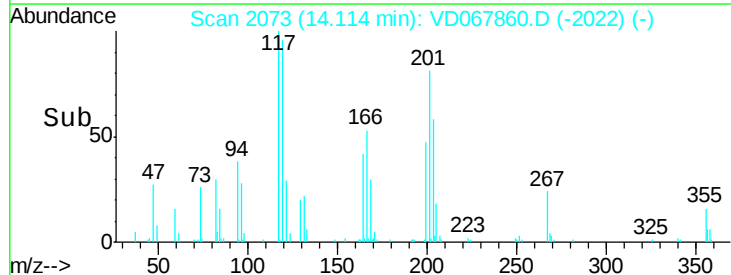
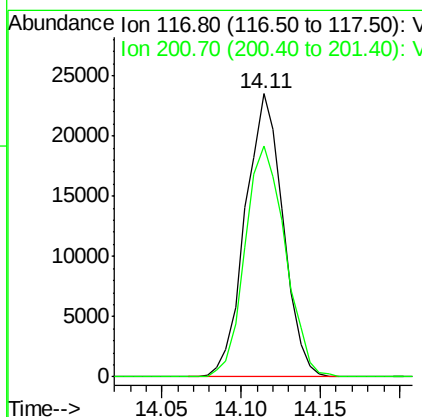
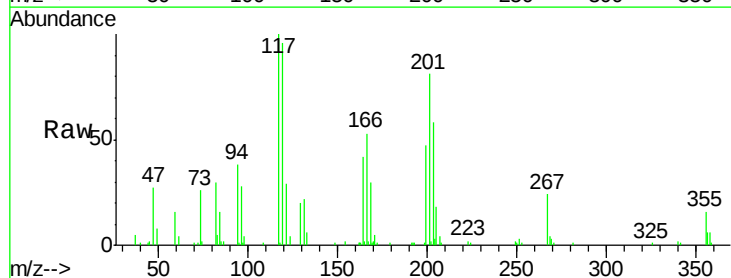
Manual Integrations
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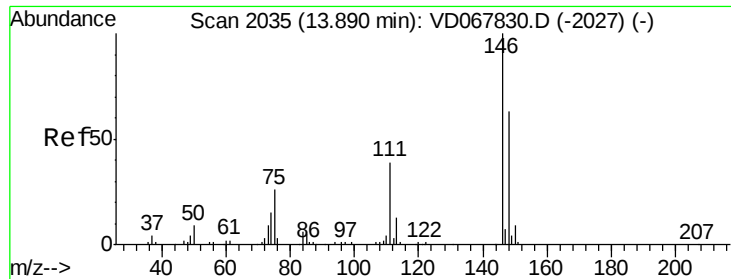
MMDadoda
12/4/2020 11:26:32 AM



#90
Hexachloroethane
Concen: 19.103 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD067860.D
Acq: 03 Dec 2020 11:28

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.9	43.9	131.6





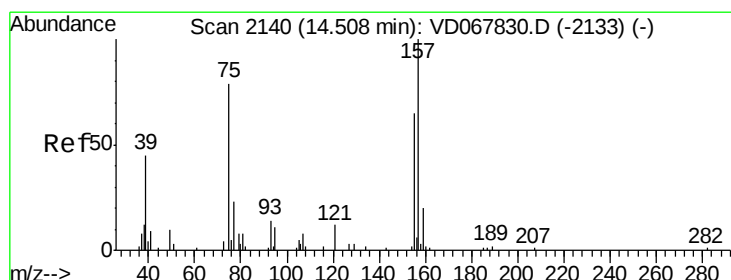
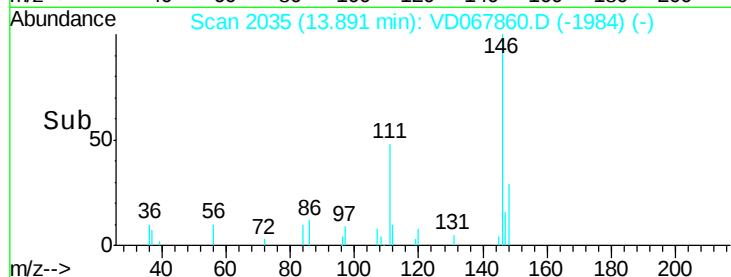
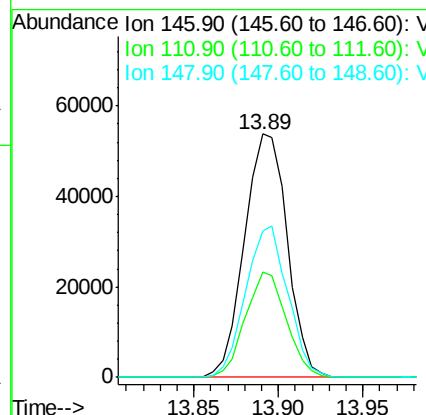
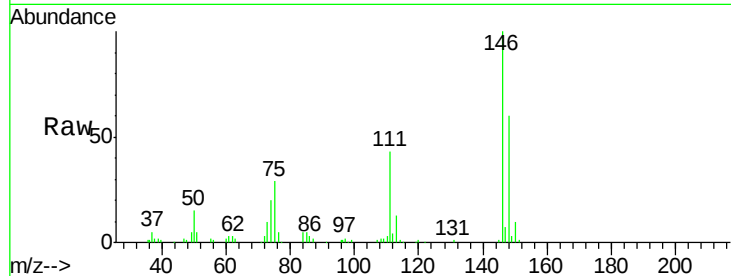
#91
 1,2-Dichlorobenzene
 Concen: 19.915 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VD067860.D
 Acq: 03 Dec 2020 11:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1203SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.4	61.2
148	61.3	32.1	96.3

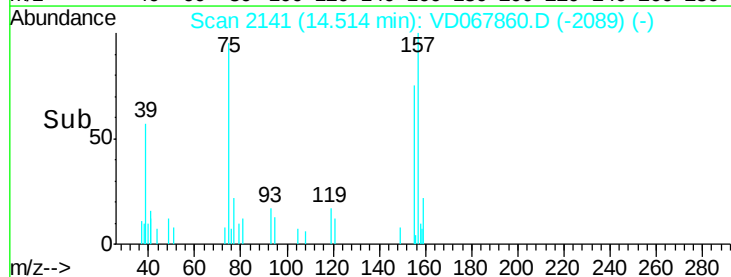
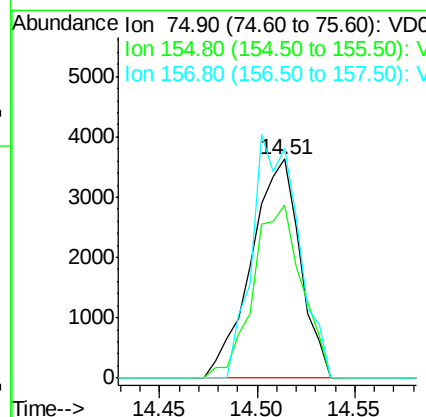
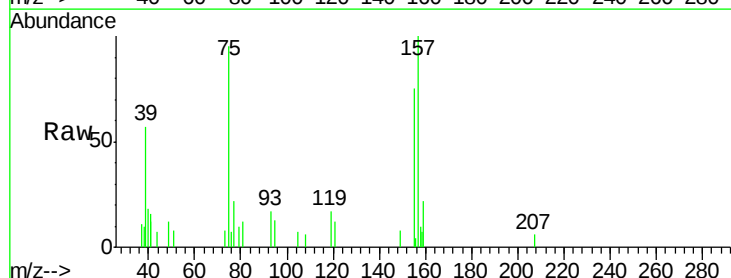
Manual Integrations
 APPROVED

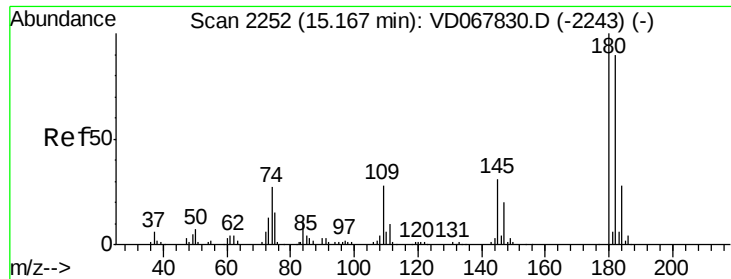
MMDadoda
 12/4/2020 11:26:32 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.975 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.01 min
 Lab File: VD067860.D
 Acq: 03 Dec 2020 11:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.4	44.1	132.4
157	104.1	62.4	187.2





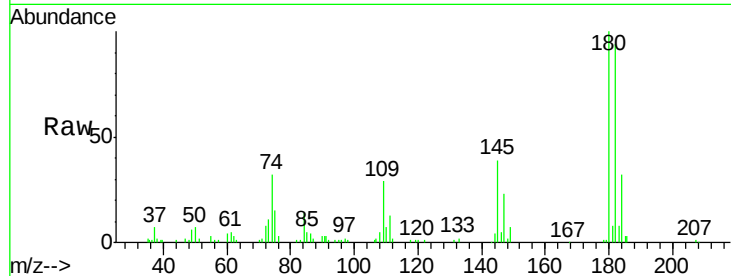
#93
 1,2,4-Trichlorobenzene
 Concen: 19.426 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD067860.D
 Acq: 03 Dec 2020 11:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1203SBS01

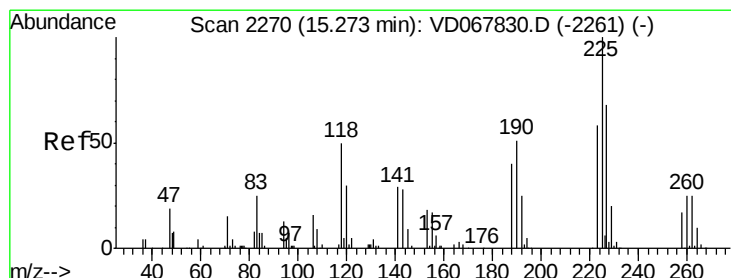
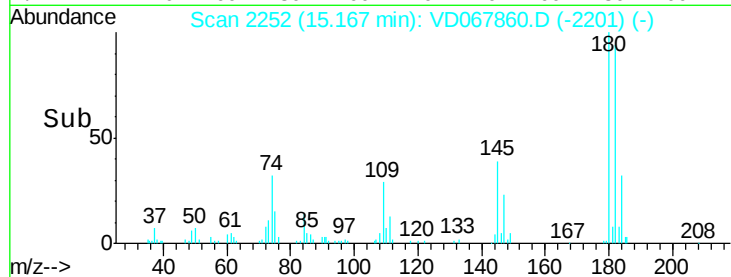
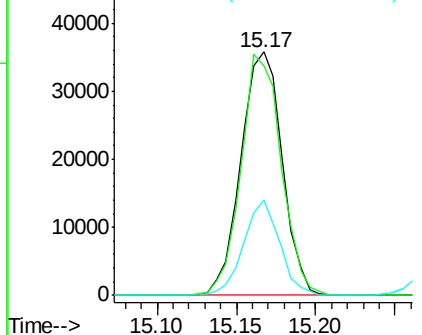
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.7	47.5	142.6
145	34.0	16.4	49.4

Manual Integrations
 APPROVED

MMDadoda
 12/4/2020 11:26:32 AM

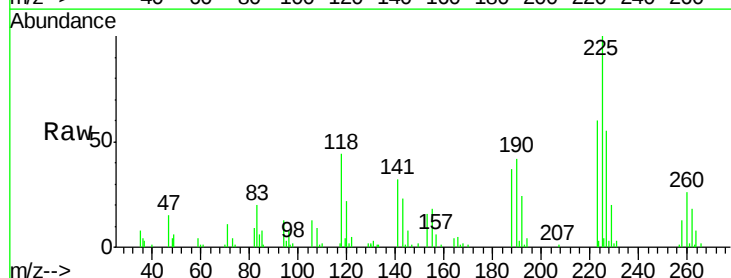


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

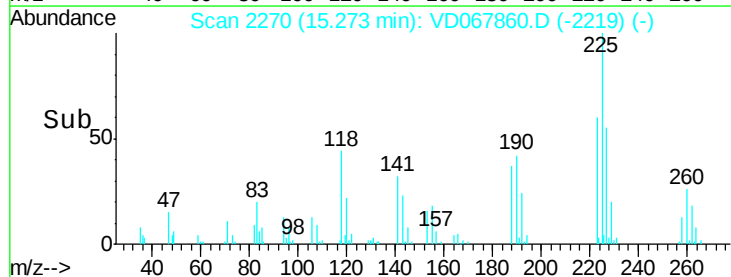
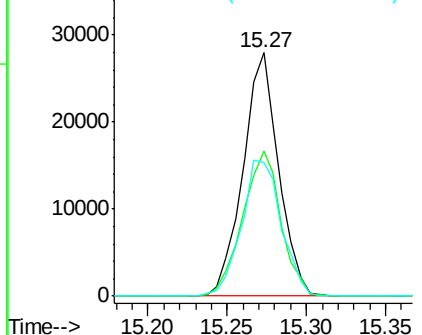


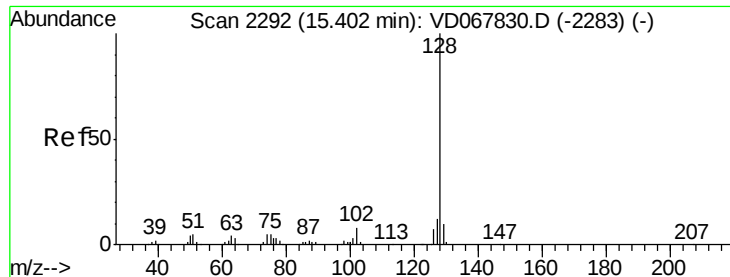
#94
 Hexachlorobutadiene
 Concen: 20.013 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD067860.D
 Acq: 03 Dec 2020 11:28

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.2	31.1	93.3
227	62.6	33.1	99.3



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





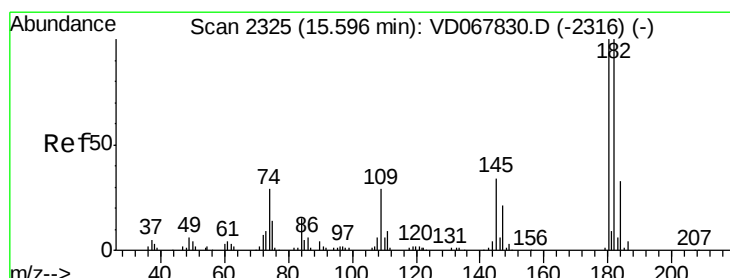
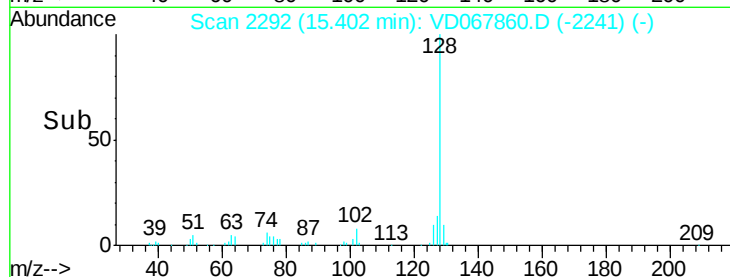
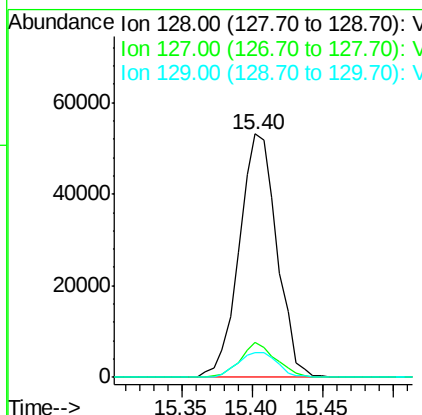
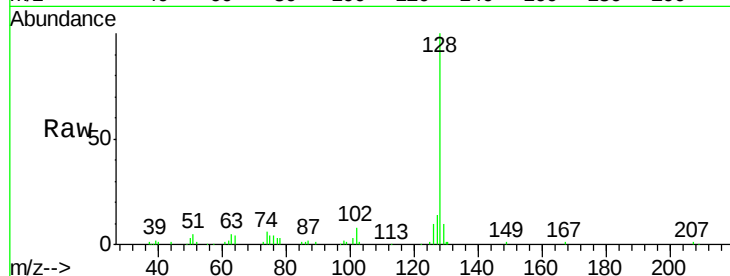
#95
Naphthalene
Concen: 18.252 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VD067860.D
Acq: 03 Dec 2020 11:28

Instrument :
MSVOA_D
ClientSampleId :
VD1203SBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.6	15.8
129	11.0	9.0	13.6

Manual Integrations
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MMDadoda
12/4/2020 11:26:32 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.755 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.01 min
Lab File: VD067860.D
Acq: 03 Dec 2020 11:28

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.3	142.0
145	34.6	16.8	50.4

