

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120920\
 Data File : VD067917.D
 Acq On : 09 Dec 2020 09:54
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/10/2020 10:19:26 AM

Quant Time: Dec 10 03:22:45 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	203570	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	282696	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	259768	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	134316	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	100539	46.00	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.00%
35) Dibromofluoromethane	7.91	113	89624	47.38	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.76%
50) Toluene-d8	10.34	98	329009	48.32	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	96.64%
62) 4-Bromofluorobenzene	12.64	95	119322	50.68	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	101.36%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	90382	51.017	ug/l	99
3) Chloromethane	2.21	50	46670	45.646	ug/l	98
4) Vinyl Chloride	2.36	62	61607	47.844	ug/l	100
5) Bromomethane	2.77	94	61441	53.449	ug/l	96
6) Chloroethane	2.93	64	40667	48.507	ug/l	99
7) Trichlorofluoromethane	3.28	101	195792	49.690	ug/l	92
8) Diethyl Ether	3.71	74	32551	42.385	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	85299	47.473	ug/l	97
10) Methyl Iodide	4.30	142	88262	46.344	ug/l	99
11) Tert butyl alcohol	5.20	59	24635	210.078	ug/l #	94
12) 1,1-Dichloroethene	4.07	96	81071	48.060	ug/l	95
13) Acrolein	3.93	56	20017	238.348	ug/l	98
14) Allyl chloride	4.72	41	72043	46.166	ug/l	94
15) Acrylonitrile	5.42	53	56695	212.903	ug/l	97
16) Acetone	4.16	43	63269	234.287	ug/l	90
17) Carbon Disulfide	4.41	76	213610	45.355	ug/l	96
18) Methyl Acetate	4.72	43	21149	41.608	ug/l	97
19) Methyl tert-butyl Ether	5.47	73	168162	46.555	ug/l	100
20) Methylene Chloride	4.97	84	85731	48.921	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	91593	47.716	ug/l	85
22) Diisopropyl ether	6.36	45	139194	44.348	ug/l #	89
23) Vinyl Acetate	6.31	43	413784	236.979	ug/l	99
24) 1,1-Dichloroethane	6.27	63	127507	46.344	ug/l	97
25) 2-Butanone	7.21	43	60485	212.946	ug/l	92
26) 2,2-Dichloropropane	7.21	77	162372	49.490	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	98325	46.831	ug/l	98
28) Bromochloromethane	7.55	49	42636	48.808	ug/l #	99
29) Tetrahydrofuran	7.56	42	32740	202.439	ug/l	94
30) Chloroform	7.71	83	168479	45.822	ug/l	99
31) Cyclohexane	7.98	56	101346	44.016	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	194110	50.011	ug/l	99
36) 1,1-Dichloropropene	8.11	75	122028	49.863	ug/l	98
37) Ethyl Acetate	7.30	43	28932m	43.864	ug/l	
38) Carbon Tetrachloride	8.10	117	191599	51.744	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	141524	48.799	ug/l	96
40) Benzene	8.36	78	326565	48.767	ug/l	97
41) Methacrylonitrile	7.53	41	16313	52.286	ug/l #	88
42) 1,2-Dichloroethane	8.43	62	114995	48.183	ug/l	99
43) Isopropyl Acetate	8.45	43	57249	44.112	ug/l	97
44) Trichloroethene	9.11	130	112289	48.772	ug/l	97
45) 1,2-Dichloropropane	9.39	63	61565	44.794	ug/l	97
46) Dibromomethane	9.48	93	44503	46.571	ug/l	97
47) Bromodichloromethane	9.66	83	133660	49.063	ug/l	93
48) Methyl methacrylate	9.46	41	26602	40.367	ug/l	92
49) 1,4-Dioxane	9.46	88	8238	754.457	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	137554	223.945	ug/l	99
52) Toluene	10.41	92	227003	48.486	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	115932	49.305	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	122823	48.022	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	58562	44.781	ug/l	97
56) Ethyl methacrylate	10.66	69	60831	45.719	ug/l	96
57) 1,3-Dichloropropane	10.95	76	92233	44.524	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	153899	254.189	ug/l	96
59) 2-Hexanone	10.98	43	104152	240.536	ug/l	100
60) Dibromochloromethane	11.14	129	94304	47.838	ug/l	100
61) 1,2-Dibromoethane	11.25	107	59268	46.086	ug/l	98
64) Tetrachloroethene	10.88	164	98751	46.605	ug/l	98
65) Chlorobenzene	11.67	112	257789	48.095	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	104250	47.686	ug/l	96
67) Ethyl Benzene	11.75	91	448313	49.099	ug/l	99
68) m/p-Xylenes	11.86	106	348490	96.793	ug/l	99
69) o-Xylene	12.18	106	160304	50.153	ug/l	100
70) Styrene	12.20	104	271518	48.853	ug/l	99
71) Bromoform	12.36	173	54690	47.260	ug/l #	97
73) Isopropylbenzene	12.48	105	464400	50.277	ug/l	100
74) N-amyl acetate	12.29	43	48857	42.761	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	50357	41.293	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	42754m	43.710	ug/l	
77) Bromobenzene	12.77	156	112568	49.020	ug/l	98
78) n-propylbenzene	12.83	91	504396	49.269	ug/l	99
79) 2-Chlorotoluene	12.91	91	290799	48.283	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	401411	50.193	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	17896	43.766	ug/l	94
82) 4-Chlorotoluene	13.01	91	312937	48.709	ug/l	99
83) tert-Butylbenzene	13.23	119	353057	51.879	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	399431	50.227	ug/l	100
85) sec-Butylbenzene	13.40	105	444763	48.966	ug/l	99
86) p-Isopropyltoluene	13.52	119	441841	49.633	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	213051	48.096	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	206549	46.608	ug/l	100
89) n-Butylbenzene	13.84	91	366637	49.574	ug/l	99
90) Hexachloroethane	14.11	117	77081	46.900	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	178923	46.572	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10766	42.301	ug/l	95

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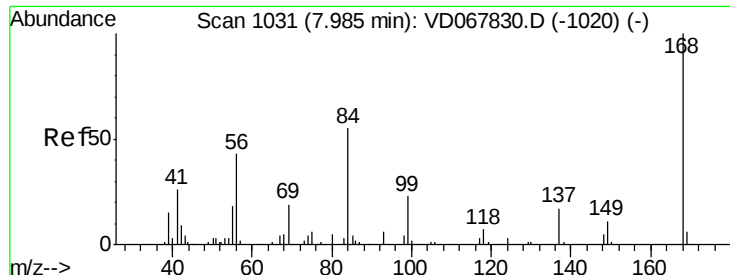
Manual Integrations
APPROVED

MMDadoda
12/10/2020 10:19:26 AM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	130352	48.505	ug/l	99
94) Hexachlorobutadiene	15.27	225	87799	50.068	ug/l	98
95) Naphthalene	15.40	128	205634	47.024	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	109592	47.222	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067917.D

Acq: 09 Dec 2020 09:54

Tot Ion: 168 Resp: 203570

Ion Ratio Lower Upper

168 100

99 58.2 47.1 70.7

Instrument :

MSVOA_D

ClientSampleId :

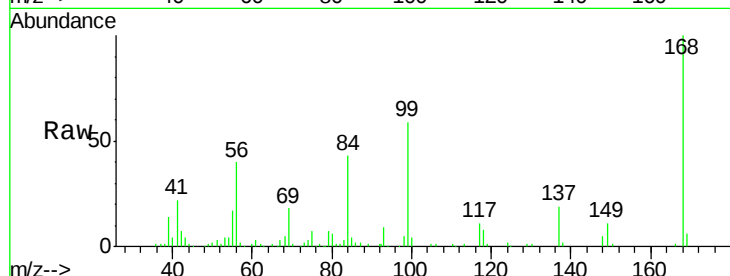
VSTDCCC050

Manual Integrations

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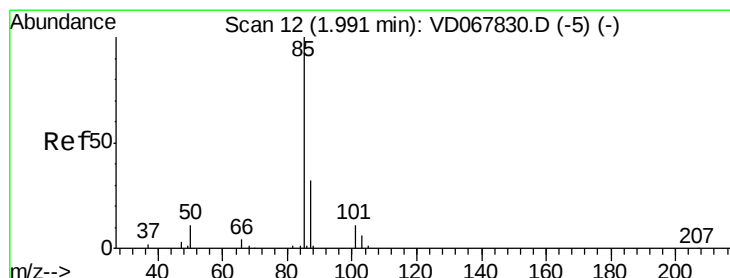
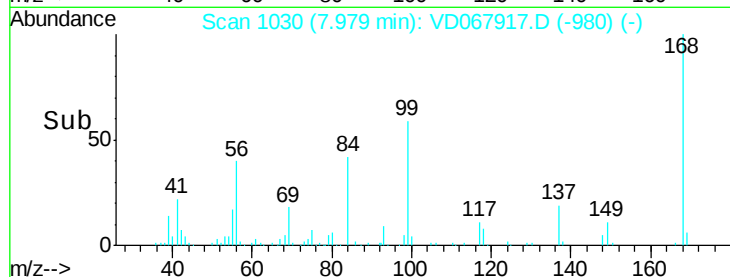
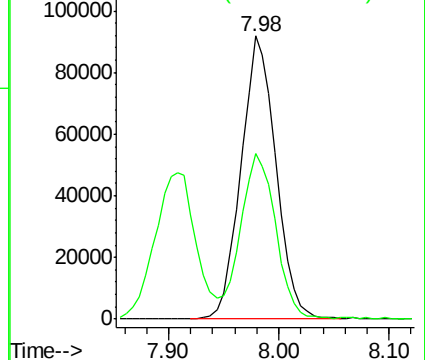
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12/10/2020 10:19:26 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 51.017 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD067917.D

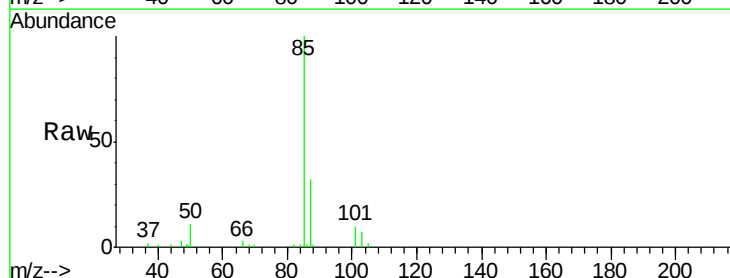
Acq: 09 Dec 2020 09:54

Tgt Ion: 85 Resp: 90382

Ion Ratio Lower Upper

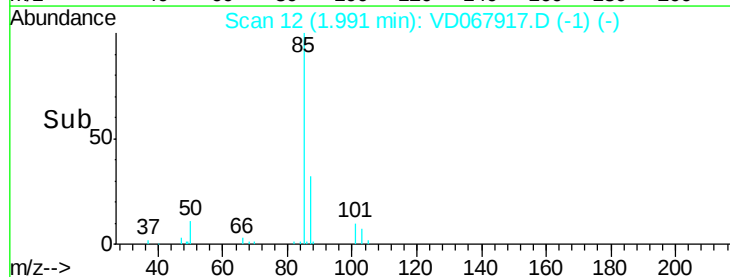
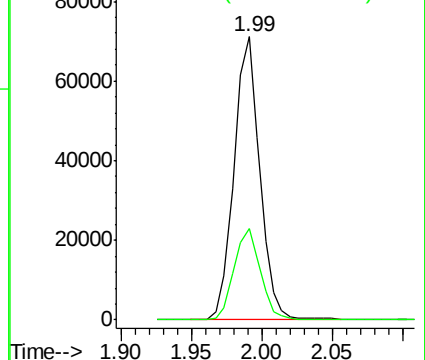
85 100

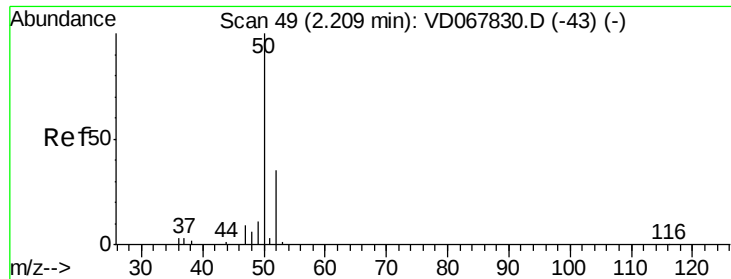
87 32.2 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 45.646 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD067917.D

Acq: 09 Dec 2020 09:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 46670

Ion Ratio Lower Upper

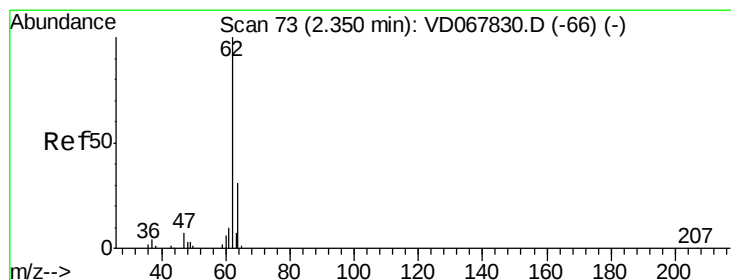
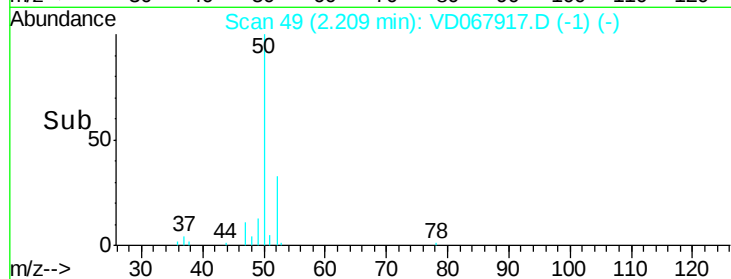
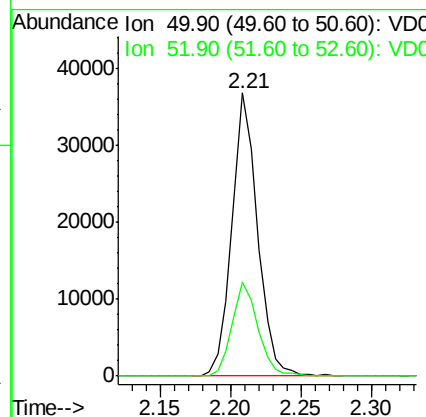
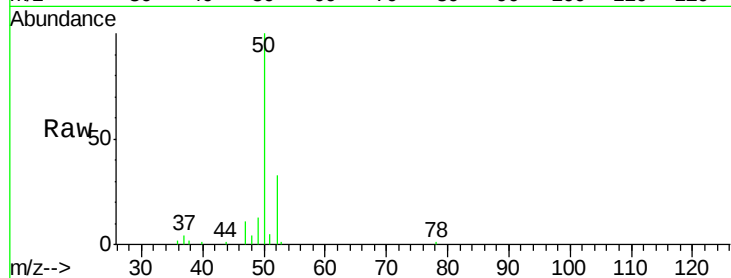
50 100

52 33.3 27.8 41.6

Manual Integrations
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#4

Vinyl Chloride

Concen: 47.844 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD067917.D

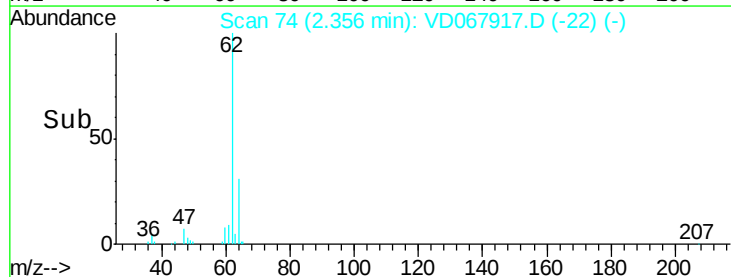
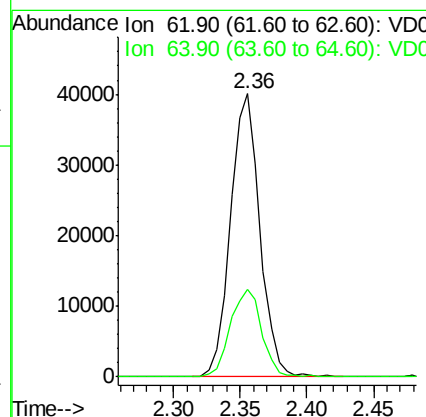
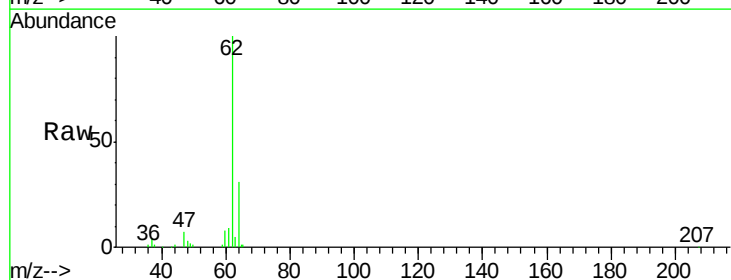
Acq: 09 Dec 2020 09:54

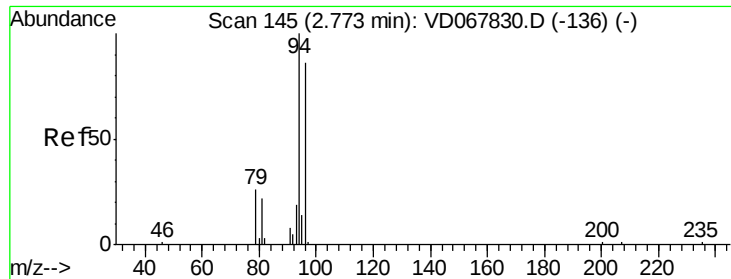
Tgt Ion: 62 Resp: 61607

Ion Ratio Lower Upper

62 100

64 30.8 24.5 36.7





#5

Bromomethane

Concen: 53.449 ug/l

RT: 2.77 min Scan# 145

Delta R.T. -0.00 min

Lab File: VD067917.D

Acq: 09 Dec 2020 09:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 61441

Ion Ratio Lower Upper

94 100

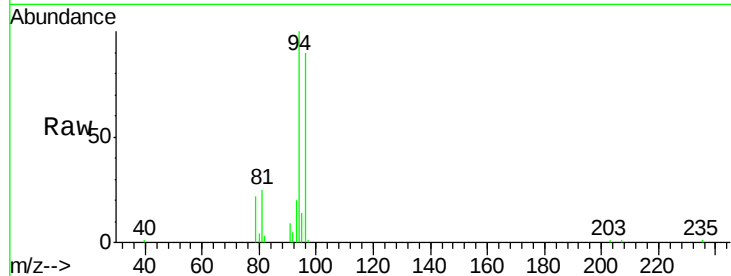
96 89.5 68.7 103.1

Manual Integrations

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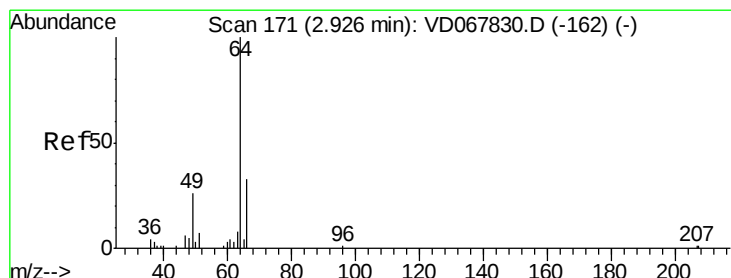
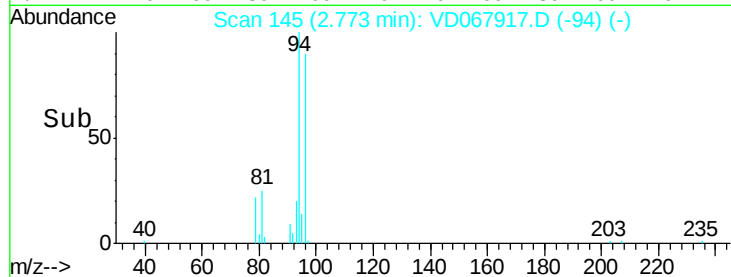
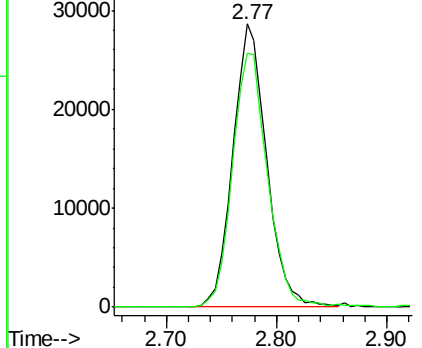
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 48.507 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD067917.D

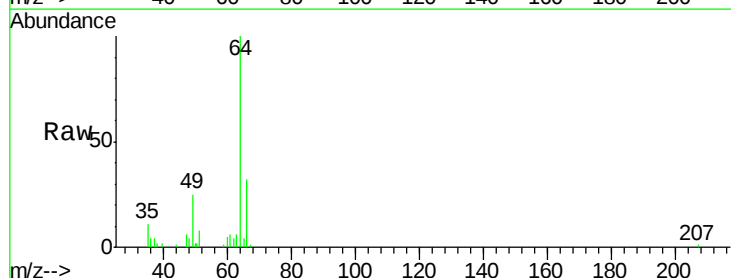
Acq: 09 Dec 2020 09:54

Tgt Ion: 64 Resp: 40667

Ion Ratio Lower Upper

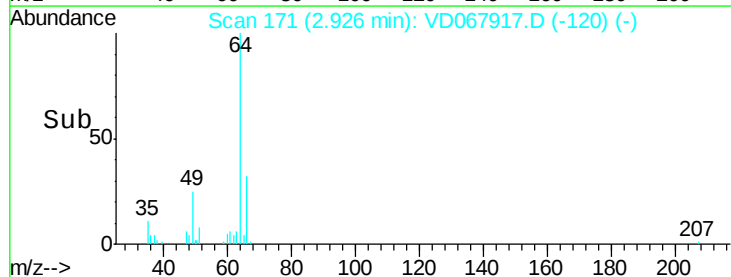
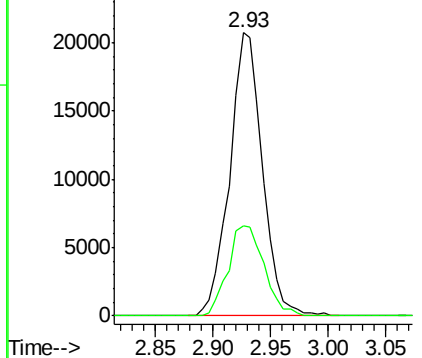
64 100

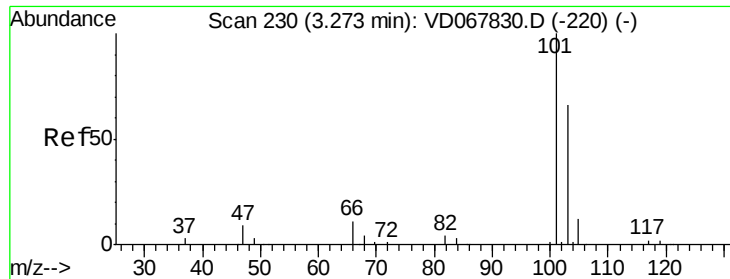
66 32.0 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

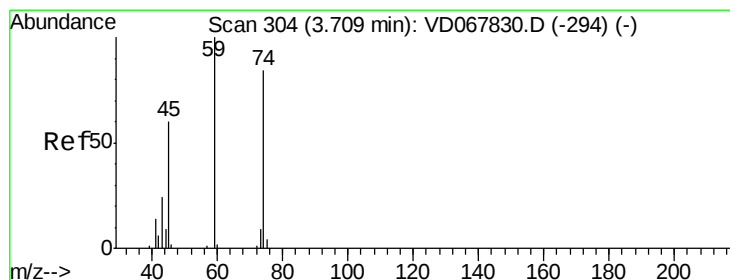
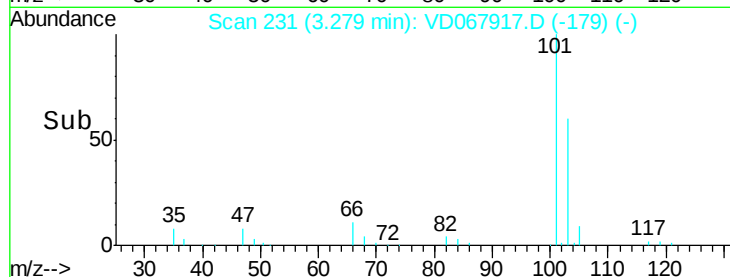
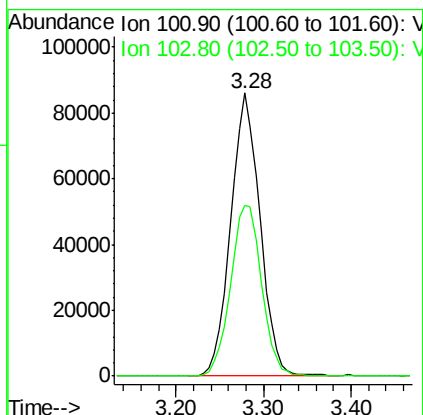
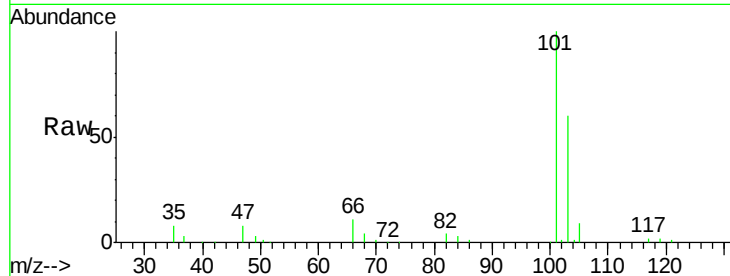
Trichlorofluoromethane
Concen: 49.690 ug/l
RT: 3.28 min Scan# 231
Delta R.T. 0.01 min
Lab File: VD067917.D
Acq: 09 Dec 2020 09:54

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Tot Ion	Ratio	Lower	Upper
101	100		
103	60.3	53.0	79.6

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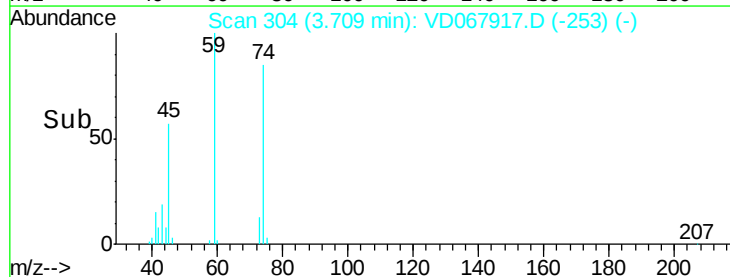
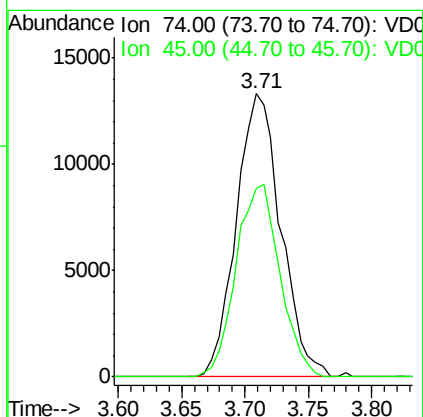
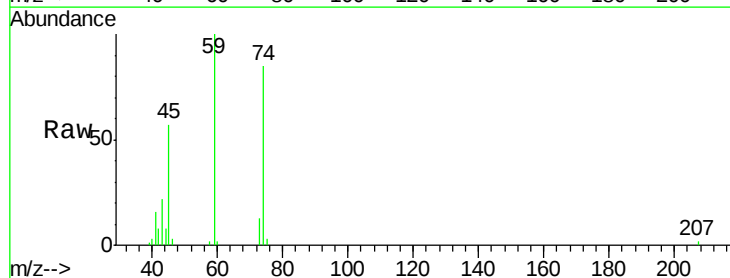
MMDadoda
12/10/2020 10:19:26 AM

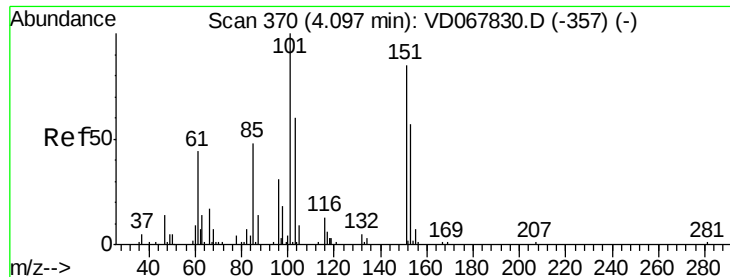


#8

Diethyl Ether
Concen: 42.385 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD067917.D
Acq: 09 Dec 2020 09:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	66.8	33.9	101.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.473 ug/l

RT: 4.10 min Scan# 370

Delta R.T. -0.00 min

Lab File: VD067917.D

Acq: 09 Dec 2020 09:54

Instrument :

MSVOA_D

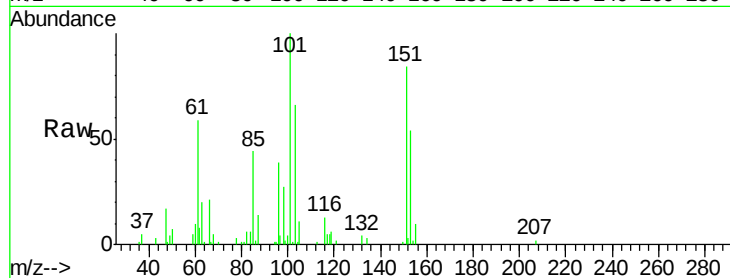
ClientSampleId :

VSTDCCC050

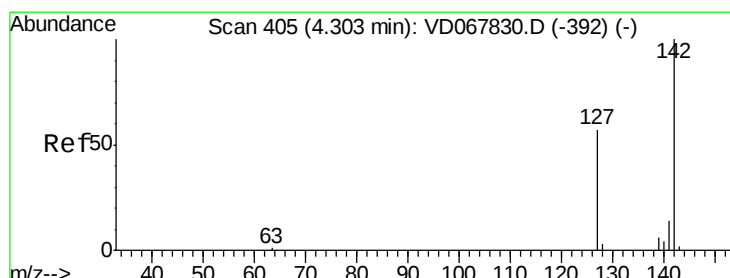
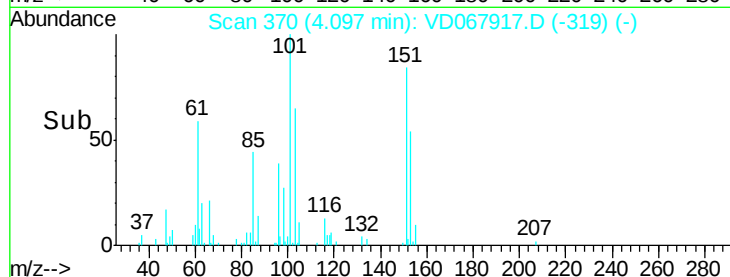
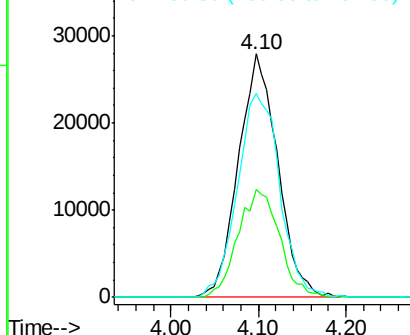
Tot Ion:	101	Resp:	85299
Ion Ratio	Lower	Upper	
101	100		
85	46.8	36.2	54.4
151	90.1	69.4	104.2

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 46.344 ug/l

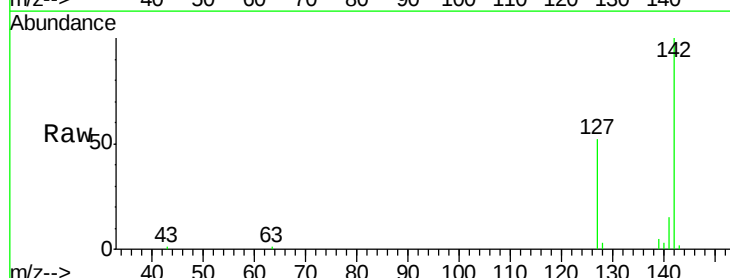
RT: 4.30 min Scan# 405

Delta R.T. -0.00 min

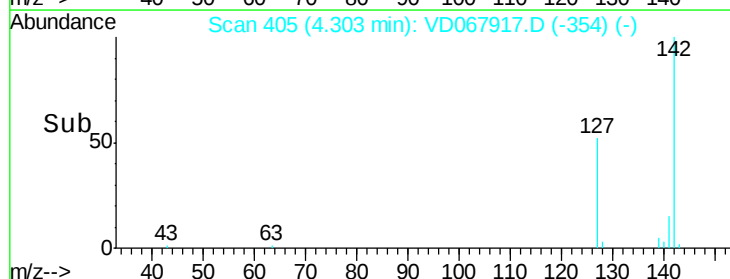
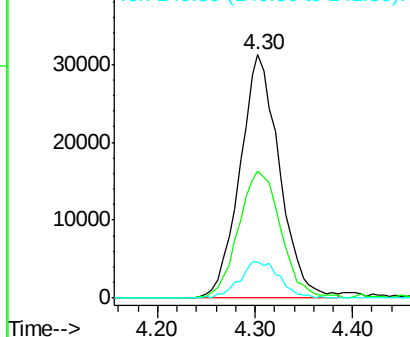
Lab File: VD067917.D

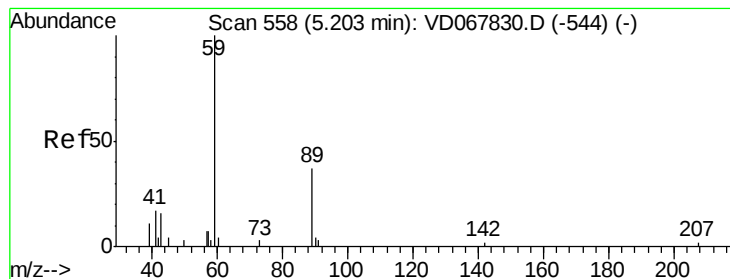
Acq: 09 Dec 2020 09:54

Tgt Ion:	142	Resp:	88262
Ion Ratio	Lower	Upper	
142	100		
127	56.0	43.9	65.9
141	15.2	12.2	18.2



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

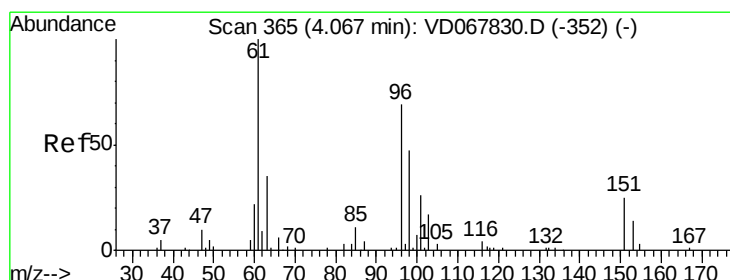
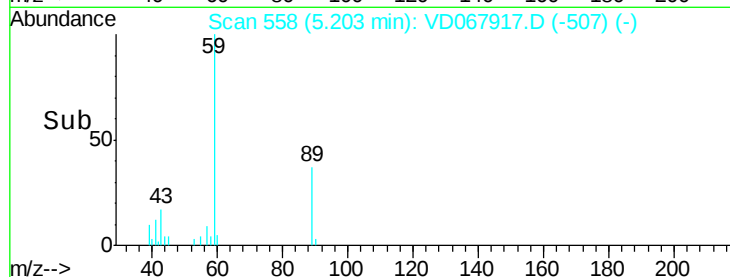
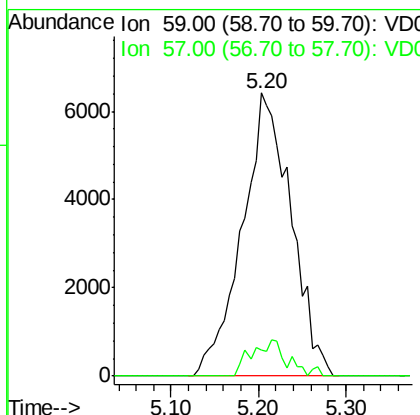
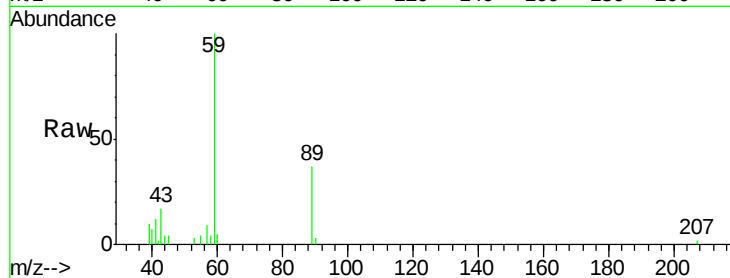
Tert butyl alcohol
Concen: 210.078 ug/l
RT: 5.20 min Scan# 558
Delta R.T. 0.00 min
Lab File: VD067917.D
Acq: 09 Dec 2020 09:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 24635
Ion Ratio Lower Upper
59 100
57 7.5 7.7 11.5#

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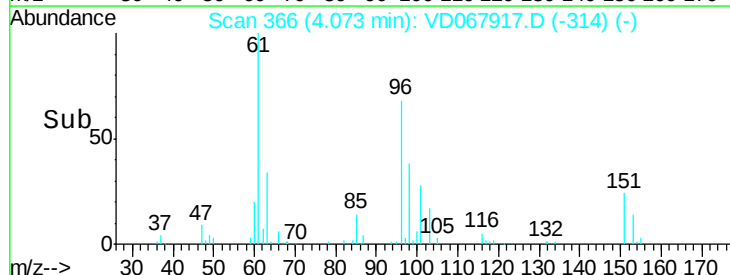
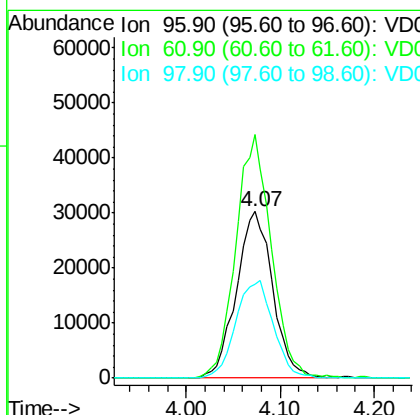
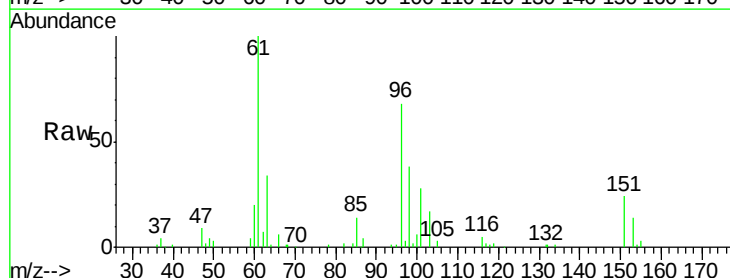
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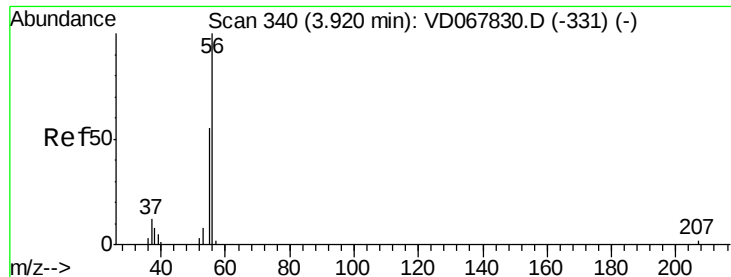


#12

1,1-Dichloroethene
Concen: 48.060 ug/l
RT: 4.07 min Scan# 366
Delta R.T. 0.01 min
Lab File: VD067917.D
Acq: 09 Dec 2020 09:54

Tgt Ion: 96 Resp: 81071
Ion Ratio Lower Upper
96 100
61 146.2 116.1 174.1
98 56.0 54.6 82.0





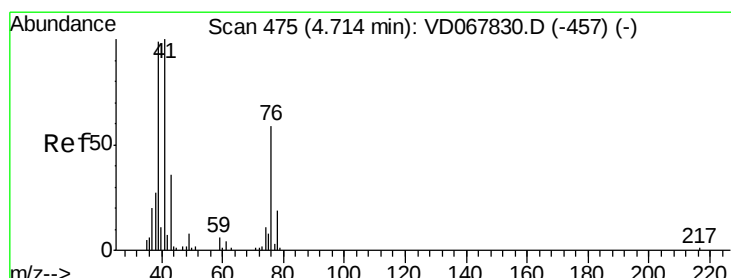
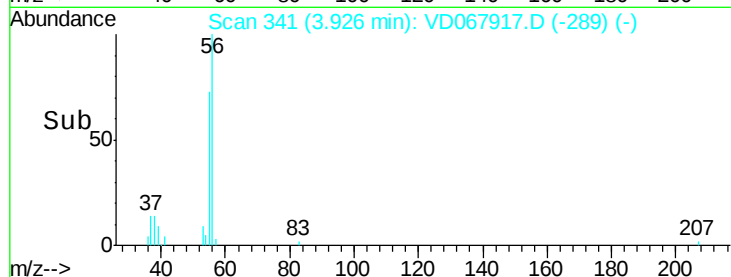
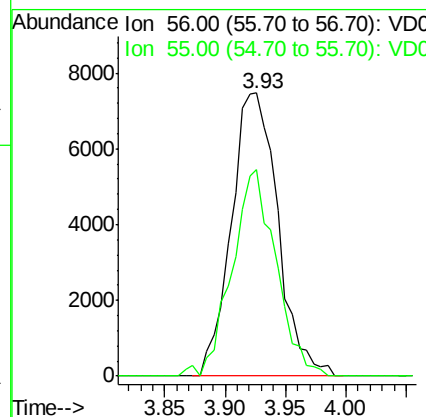
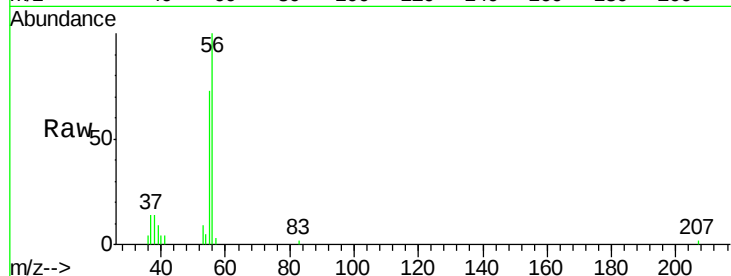
#13
 Acrolein
 Concen: 238.348 ug/l
 RT: 3.93 min Scan# 341
 Delta R.T. 0.01 min
 Lab File: VD067917.D
 Acq: 09 Dec 2020 09:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	69.2	56.5	84.7

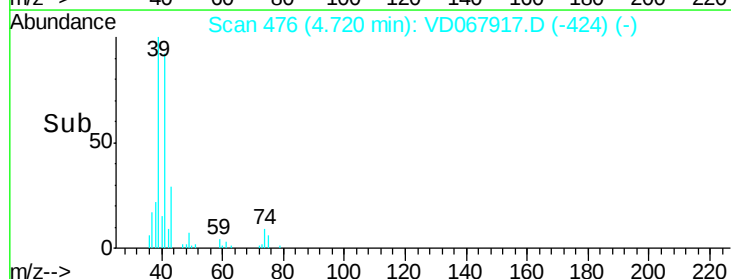
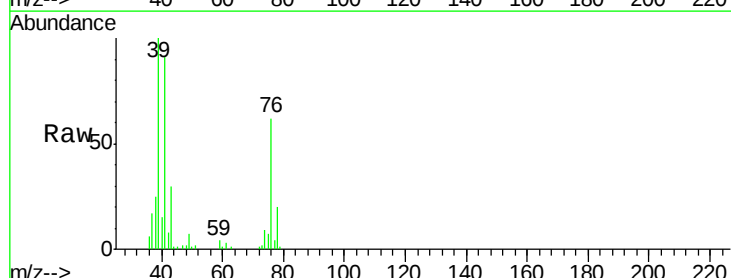
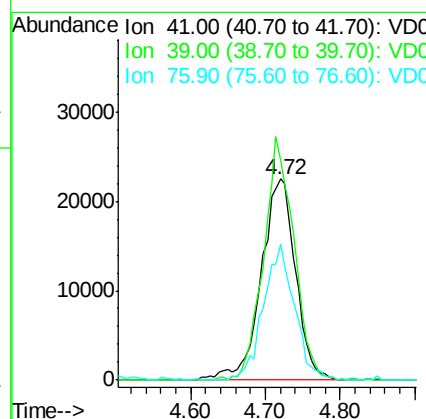
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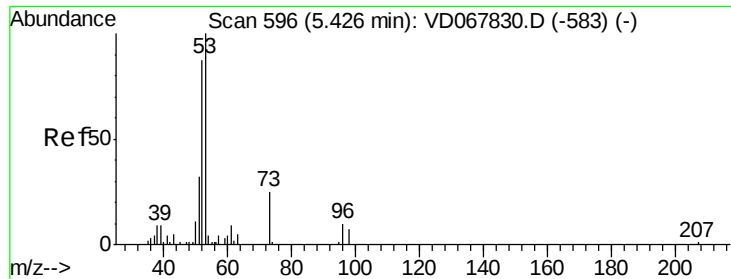
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#14
 Allyl chloride
 Concen: 46.166 ug/l
 RT: 4.72 min Scan# 476
 Delta R.T. 0.01 min
 Lab File: VD067917.D
 Acq: 09 Dec 2020 09:54

Tgt Ion	Ratio	Lower	Upper
41	100		
39	106.3	79.0	118.6
76	61.1	46.6	70.0





#15

Acrylonitrile

Concen: 212.903 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD067917.D

Acq: 09 Dec 2020 09:54

Instrument :

MSVOA_D

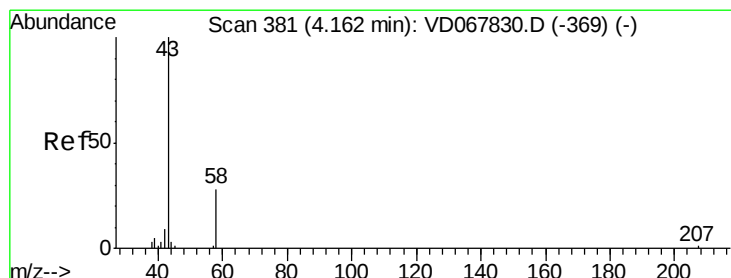
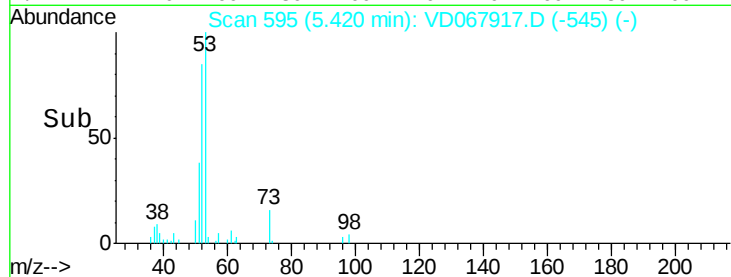
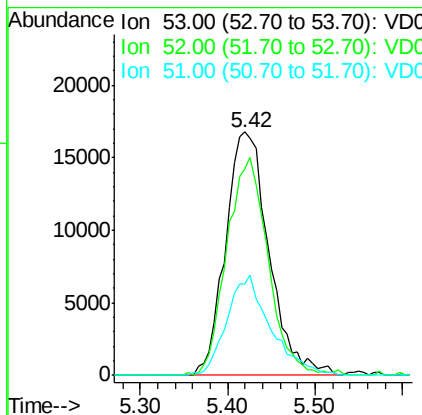
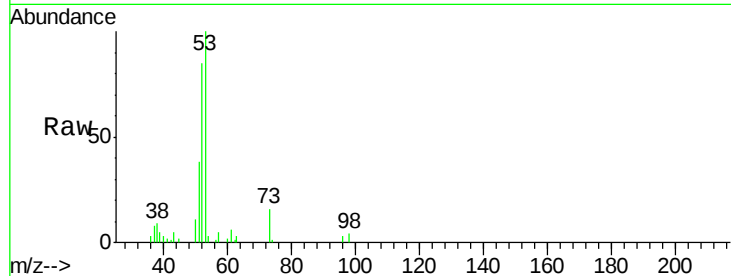
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	56695
Ion Ratio	Lower	Upper	
53	100		
52	85.1	66.2	99.2
51	41.5	31.1	46.7

Manual Integrations
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#16

Acetone

Concen: 234.287 ug/l

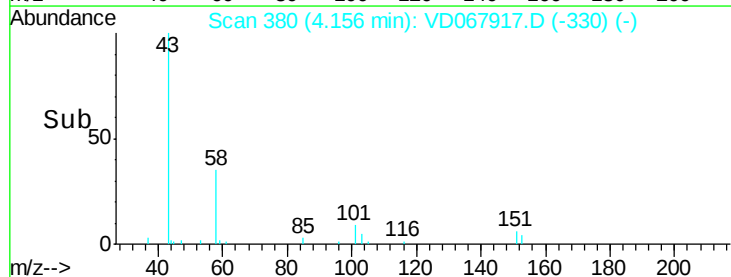
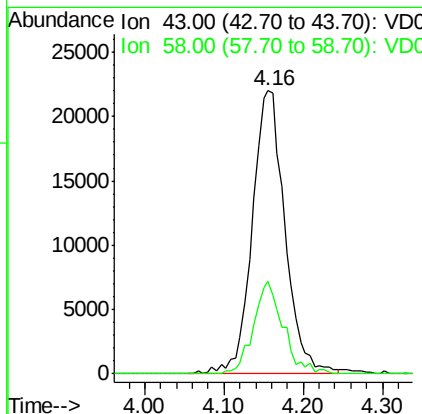
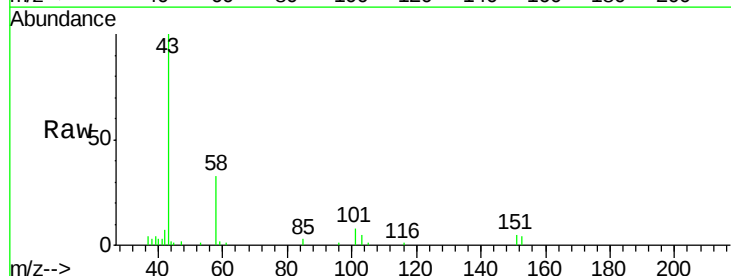
RT: 4.16 min Scan# 380

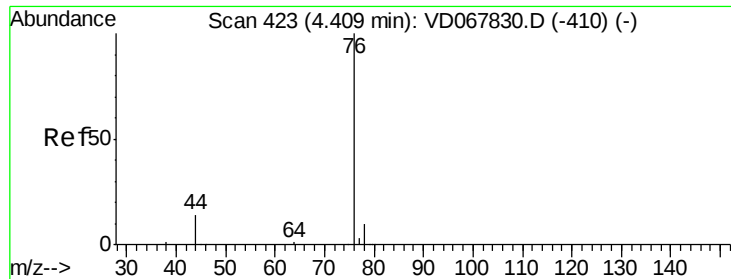
Delta R.T. -0.01 min

Lab File: VD067917.D

Acq: 09 Dec 2020 09:54

Tgt Ion:	43	Resp:	63269
Ion Ratio	Lower	Upper	
43	100		
58	32.6	21.9	32.9





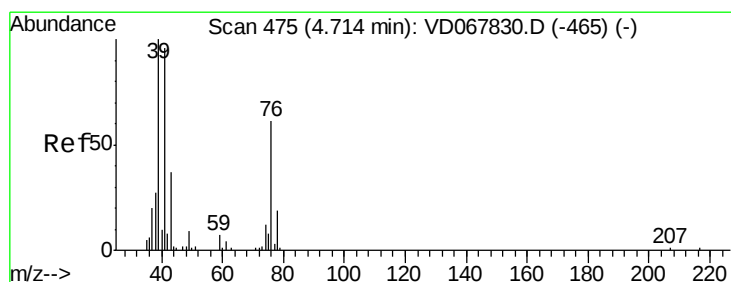
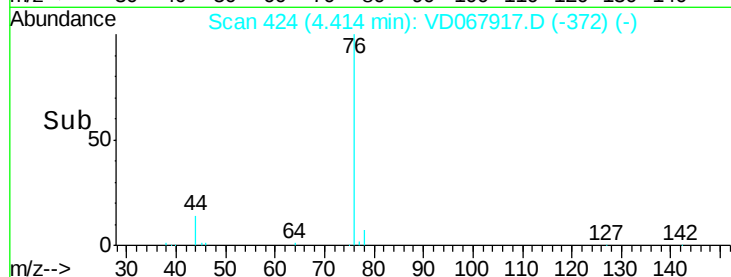
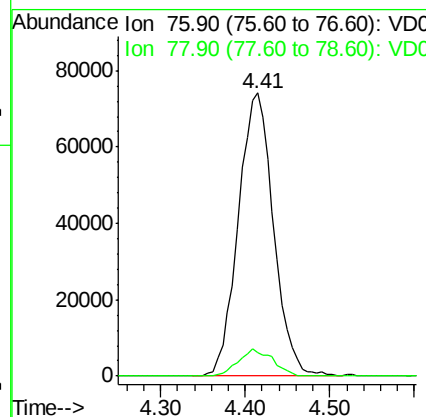
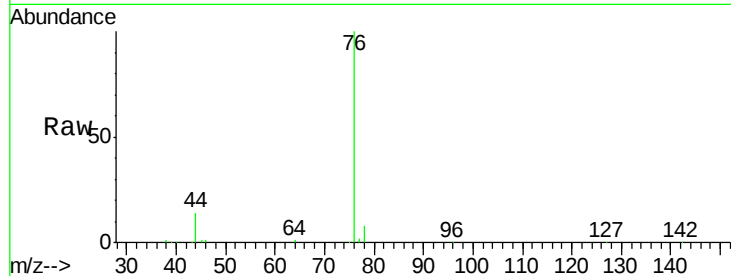
#17
Carbon Disulfide
Concen: 45.355 ug/l
RT: 4.41 min Scan# 424
Delta R.T. 0.01 min
Lab File: VD067917.D
Acq: 09 Dec 2020 09:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.2	7.8	11.6

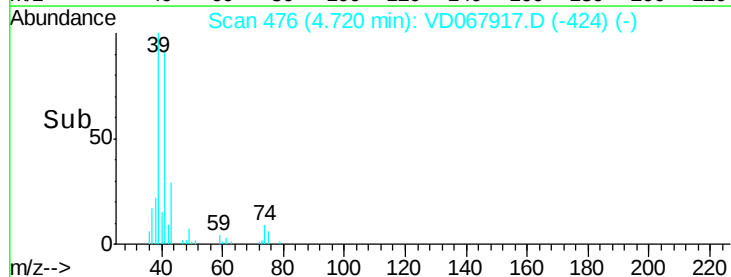
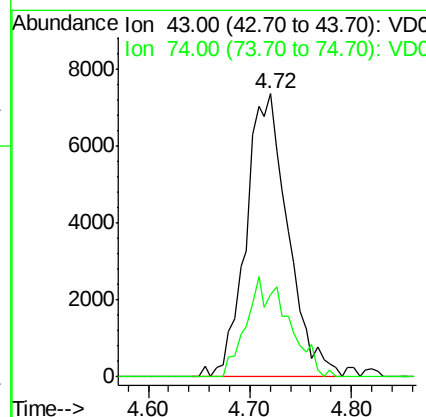
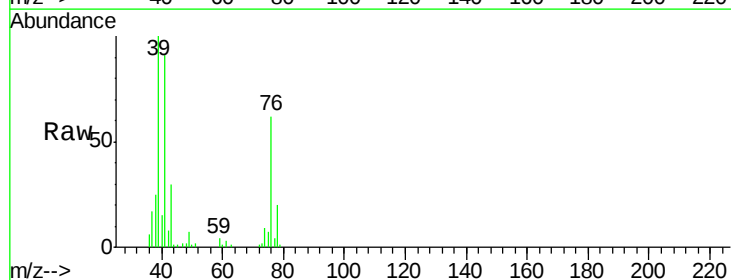
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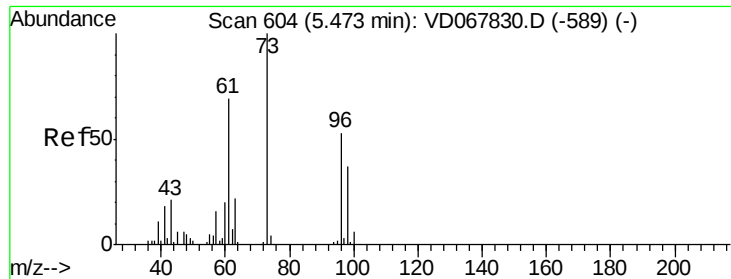
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#18
Methyl Acetate
Concen: 41.608 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD067917.D
Acq: 09 Dec 2020 09:54

Tgt Ion	Ratio	Lower	Upper
43	100		
74	35.5	27.0	40.4





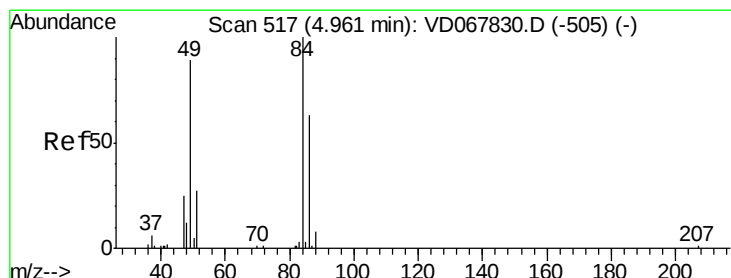
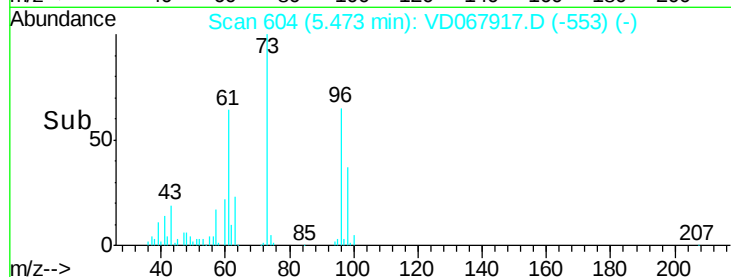
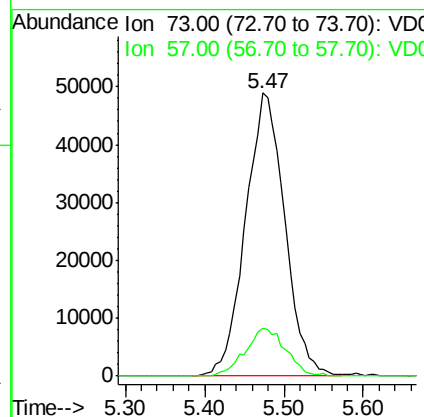
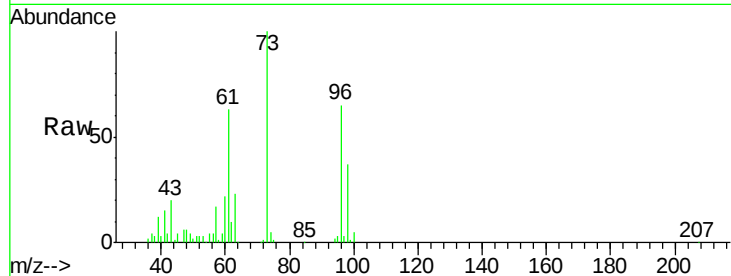
#19
Methvl tert-butvl Ether
Concen: 46.555 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.00 min
Lab File: VD067917.D
Acq: 09 Dec 2020 09:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 168162
Ion Ratio Lower Upper
73 100
57 16.7 13.2 19.8

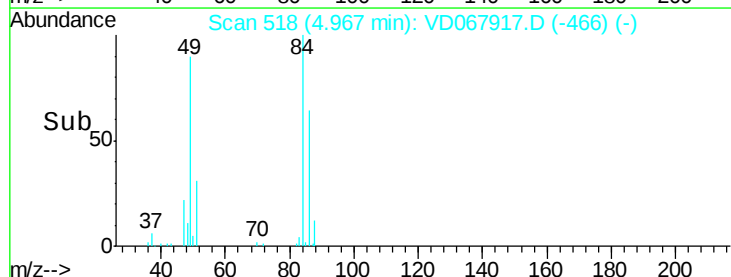
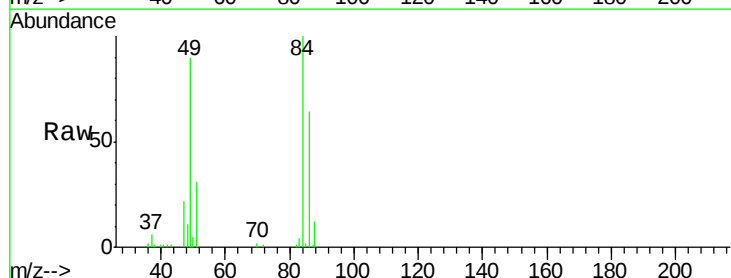
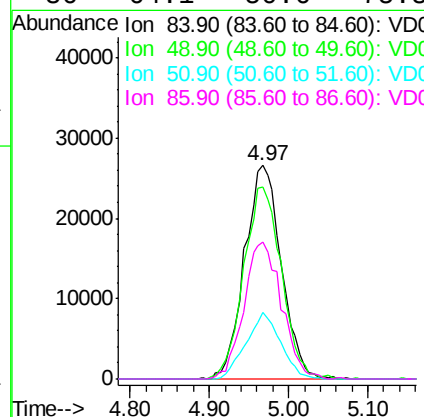
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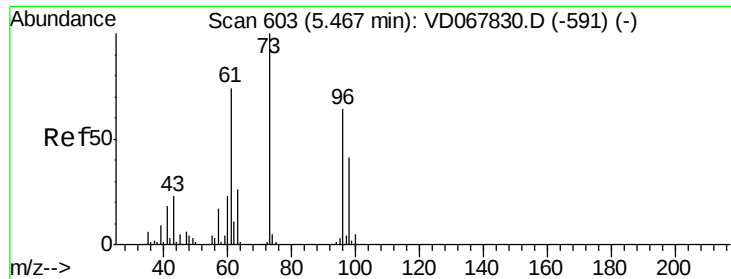
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#20
Methylene Chloride
Concen: 48.921 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067917.D
Acq: 09 Dec 2020 09:54

Tgt Ion: 84 Resp: 85731
Ion Ratio Lower Upper
84 100
49 89.8 71.4 107.0
51 31.0 21.8 32.8
86 64.1 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 47.716 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD067917.D

Acq: 09 Dec 2020 09:54

Instrument :

MSVOA_D

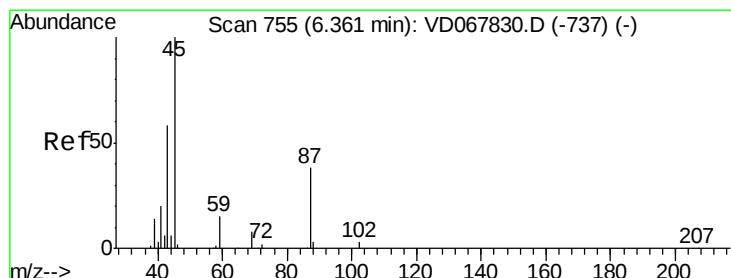
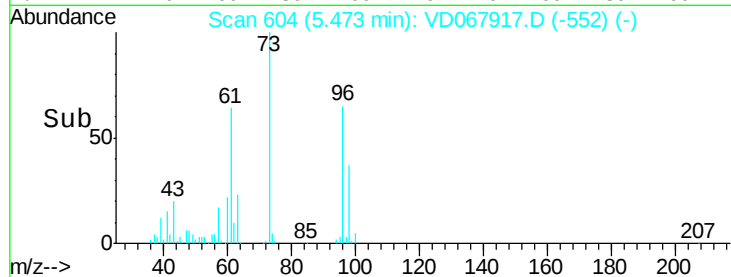
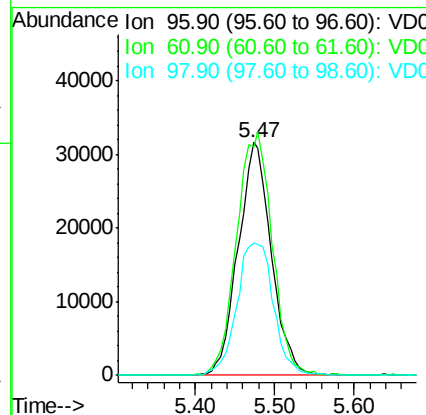
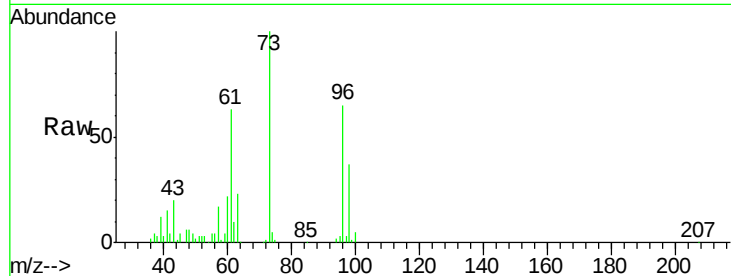
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	91593
Ion	Ratio	Lower	Upper
96	100		
61	98.1	93.1	139.7
98	56.8	52.2	78.2

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#22

Diisopropyl ether

Concen: 44.348 ug/l

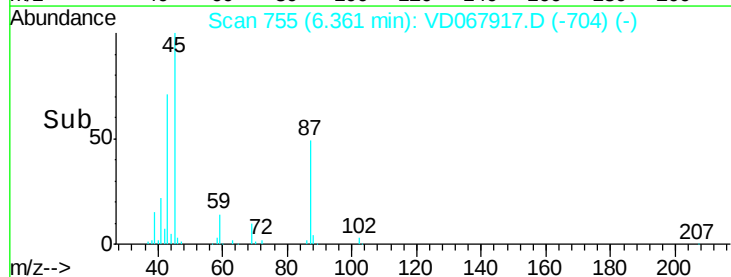
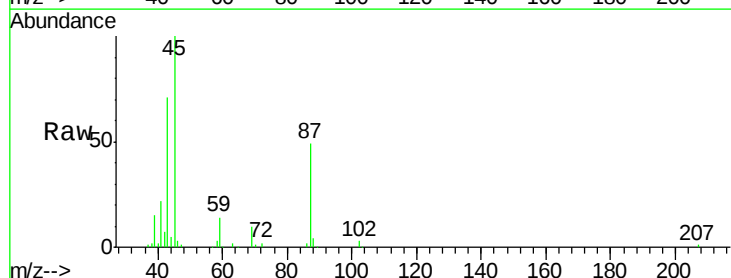
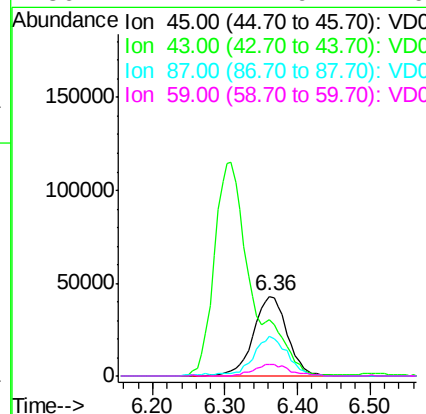
RT: 6.36 min Scan# 755

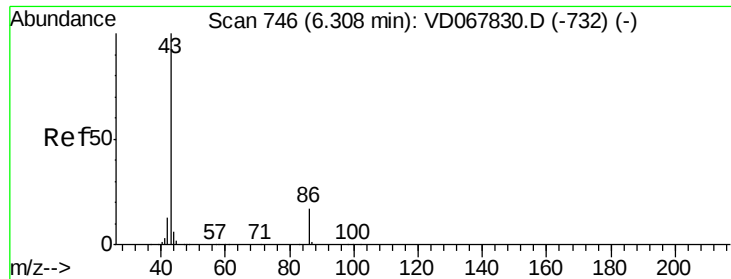
Delta R.T. -0.00 min

Lab File: VD067917.D

Acq: 09 Dec 2020 09:54

Tgt Ion:	45	Resp:	139194
Ion	Ratio	Lower	Upper
45	100		
43	69.7	49.8	74.6
87	49.4	32.1	48.1#
59	14.2	11.9	17.9





#23

Vinyl Acetate

Concen: 236.979 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD067917.D

Acq: 09 Dec 2020 09:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 413784

Ion Ratio Lower Upper

43 100

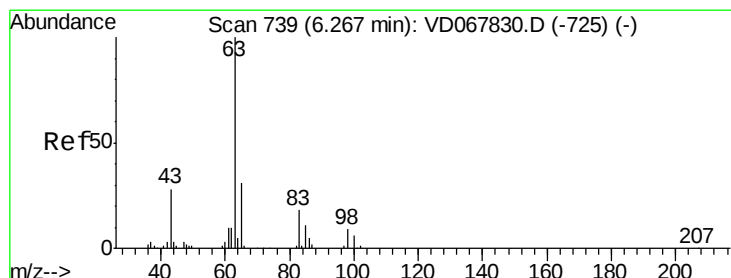
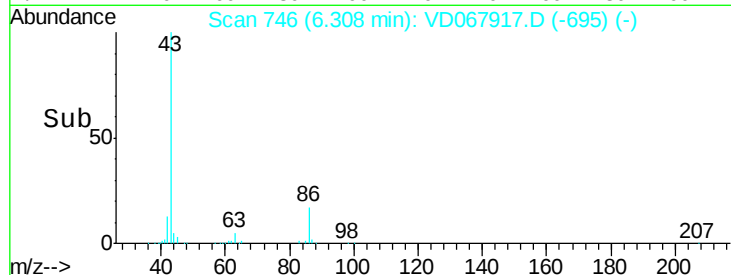
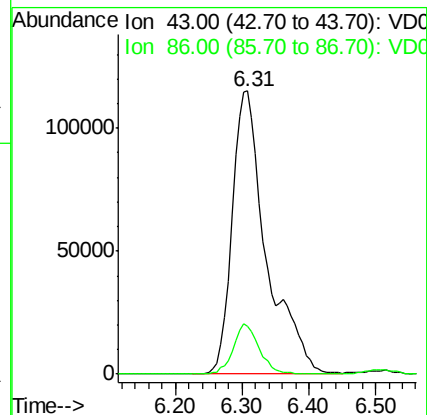
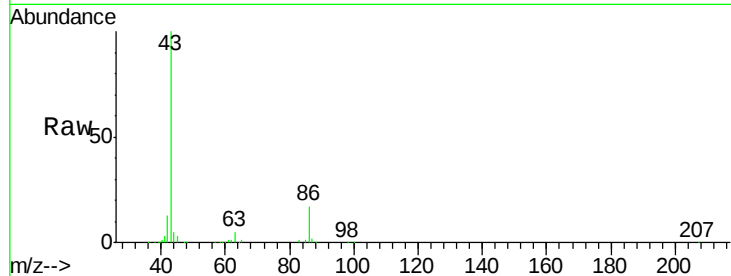
86 16.7 13.8 20.6

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#24

1,1-Dichloroethane

Concen: 46.344 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD067917.D

Acq: 09 Dec 2020 09:54

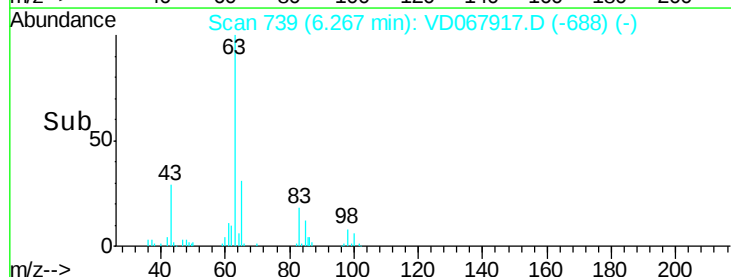
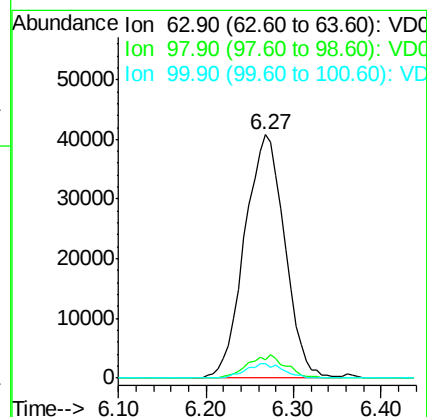
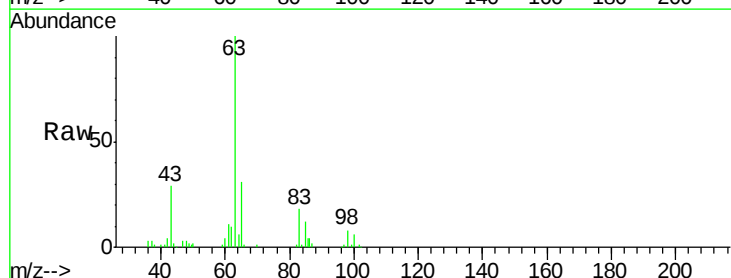
Tgt Ion: 63 Resp: 127507

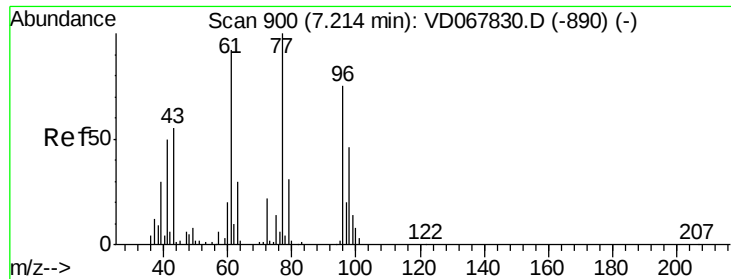
Ion Ratio Lower Upper

63 100

98 7.6 4.5 13.5

100 5.7 3.0 9.2





#25

2-Butanone

Concen: 212.946 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067917.D

Acq: 09 Dec 2020 09:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 60485

Ion Ratio Lower Upper

43 100

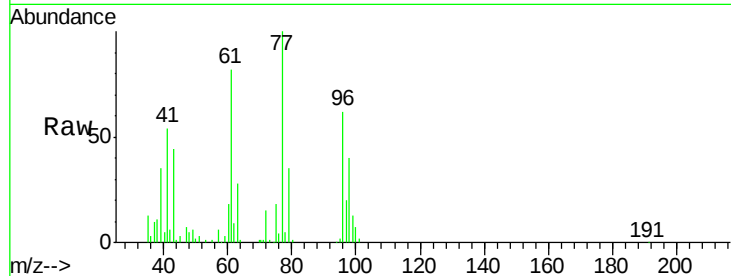
72 34.3 31.3 46.9

Manual Integrations

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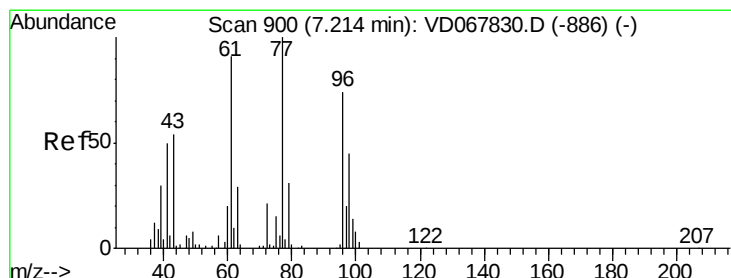
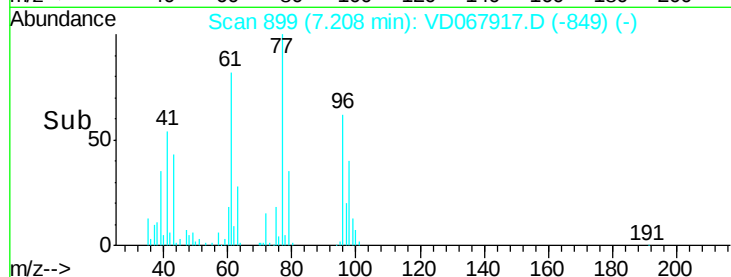
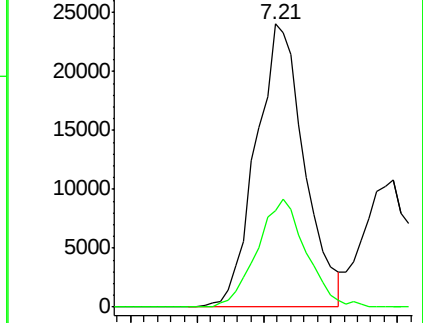
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 49.490 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD067917.D

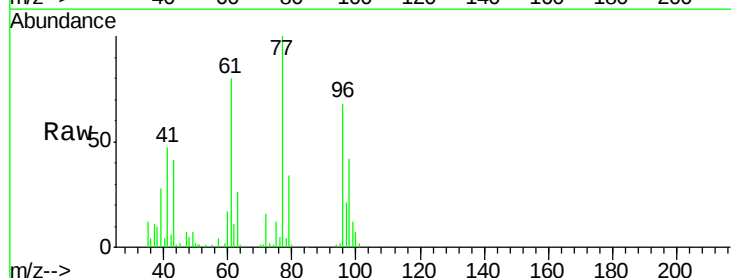
Acq: 09 Dec 2020 09:54

Tgt Ion: 77 Resp: 162372

Ion Ratio Lower Upper

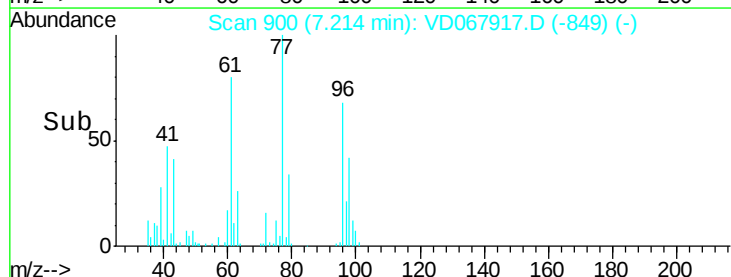
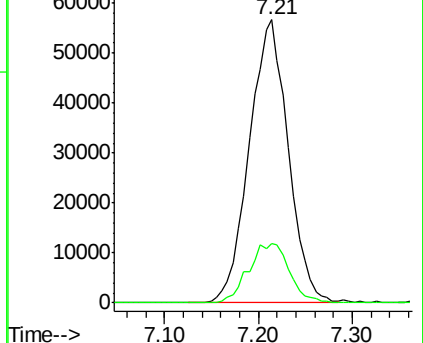
77 100

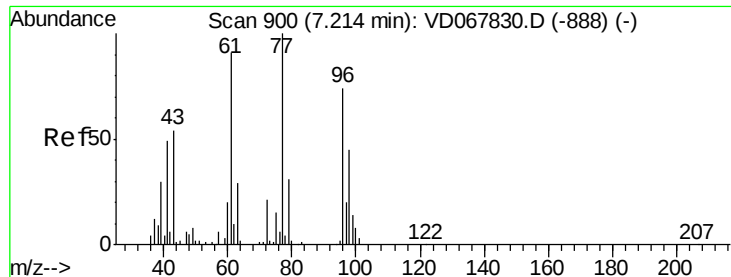
97 22.0 11.1 33.1



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

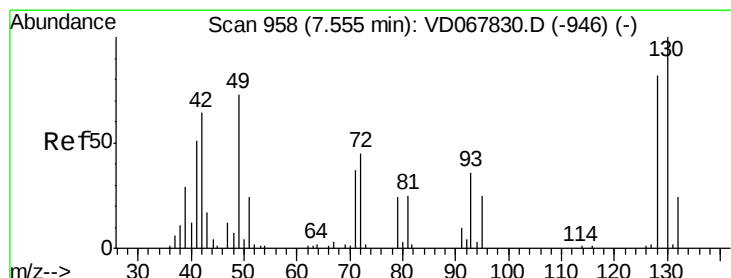
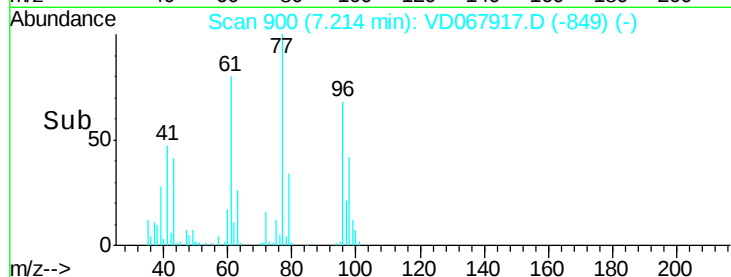
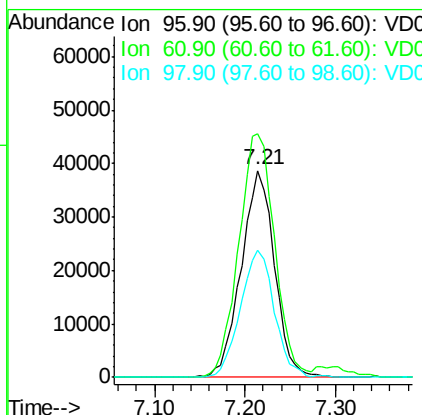
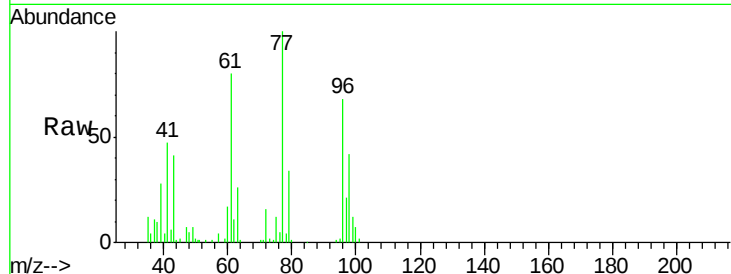
cis-1,2-Dichloroethene
Concen: 46.831 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD067917.D
Acq: 09 Dec 2020 09:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	127.6	0.0	248.4
98	62.8	0.0	127.4

Manual Integrations
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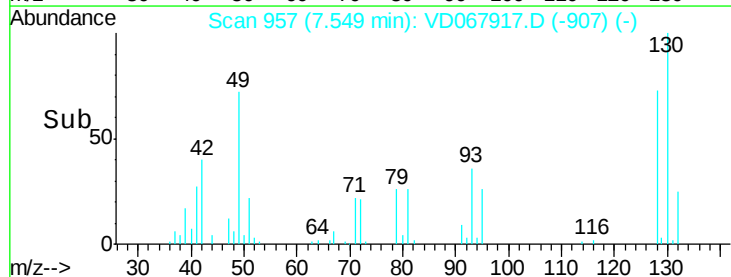
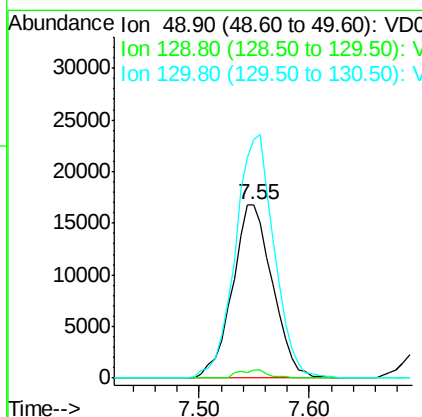
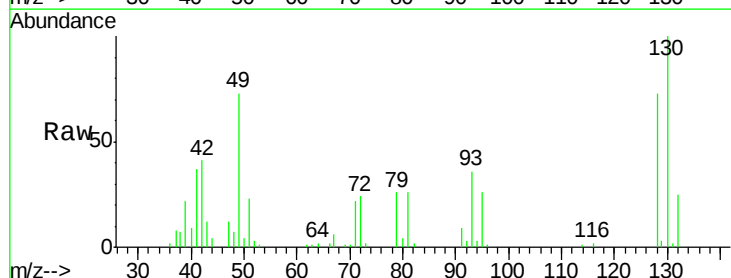
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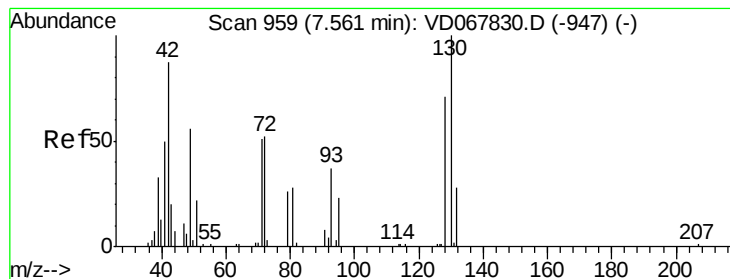


#28

Bromochloromethane
Concen: 48.808 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.01 min
Lab File: VD067917.D
Acq: 09 Dec 2020 09:54

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.5	0.0	3.4#
130	136.4	110.2	165.2





#29

Tetrahydrofuran

Concen: 202.439 ug/l

RT: 7.56 min Scan# 958

Delta R.T. -0.01 min

Lab File: VD067917.D

Acq: 09 Dec 2020 09:54

Instrument :

MSVOA_D

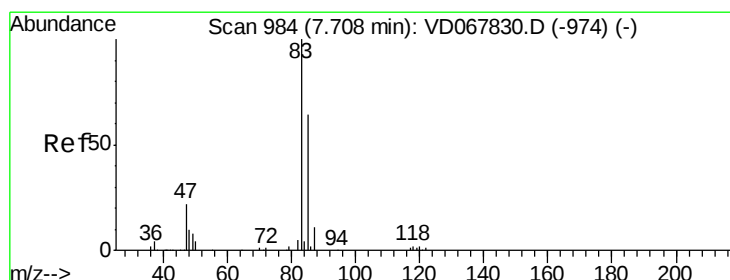
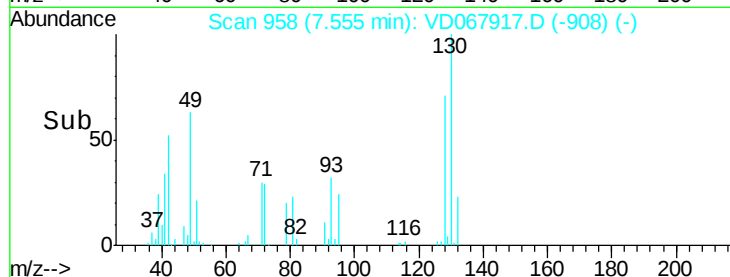
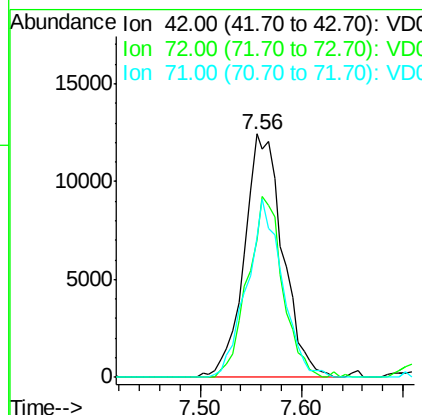
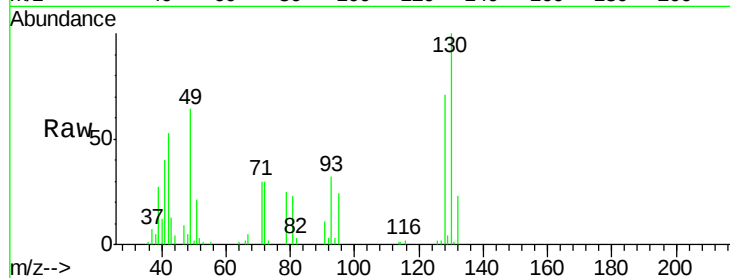
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	32740
Ion	Ratio	Lower	Upper
42	100		
72	67.4	51.9	77.9
71	67.7	48.2	72.4

Manual Integrations
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#30

Chloroform

Concen: 45.822 ug/l

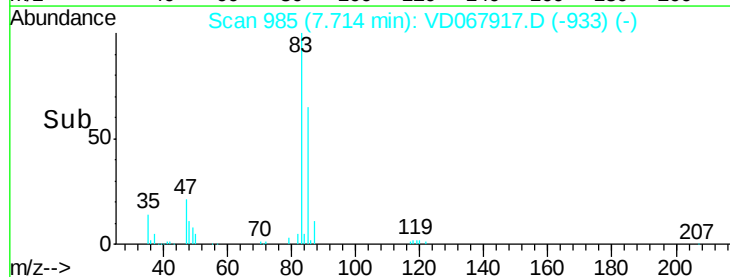
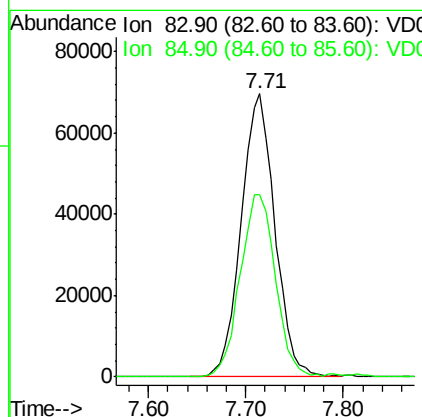
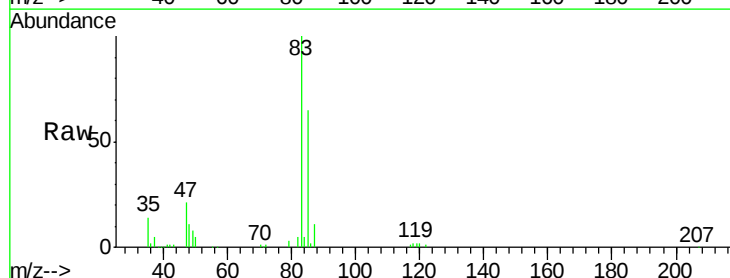
RT: 7.71 min Scan# 985

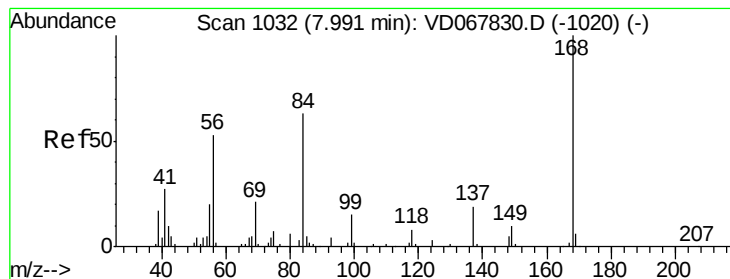
Delta R.T. 0.01 min

Lab File: VD067917.D

Acq: 09 Dec 2020 09:54

Tgt Ion:	83	Resp:	168479
Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.0	76.4





#31

Cyclohexane

Concen: 44.016 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.01 min

Lab File: VD067917.D

Acq: 09 Dec 2020 09:54

Instrument :

MSVOA_D

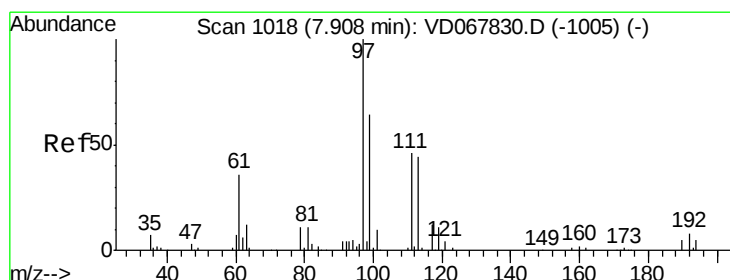
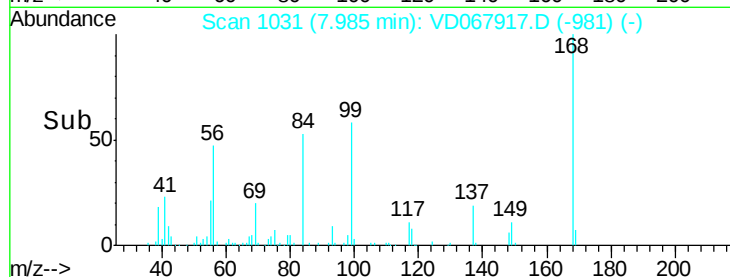
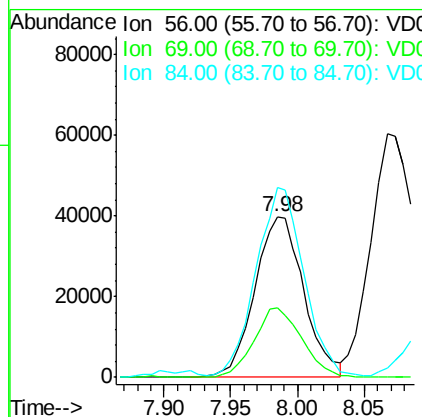
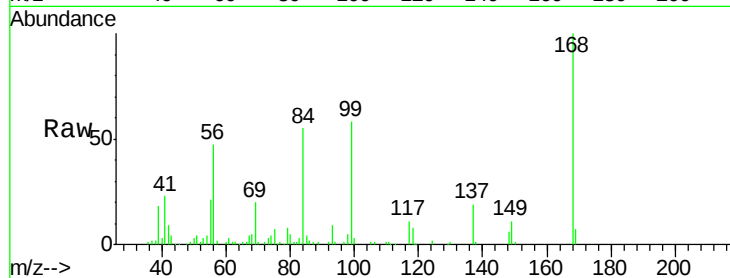
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	101346
Ion Ratio	Lower	Upper	
56	100		
69	43.6	32.1	48.1
84	114.8	93.2	139.8

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 50.011 ug/l

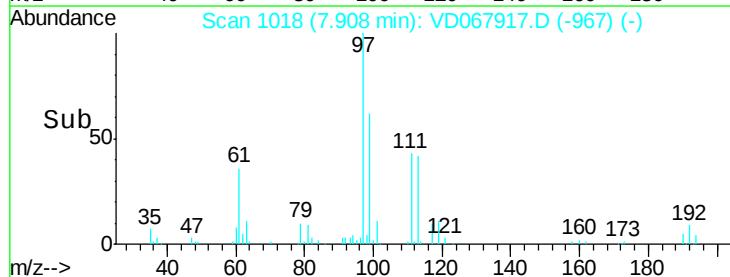
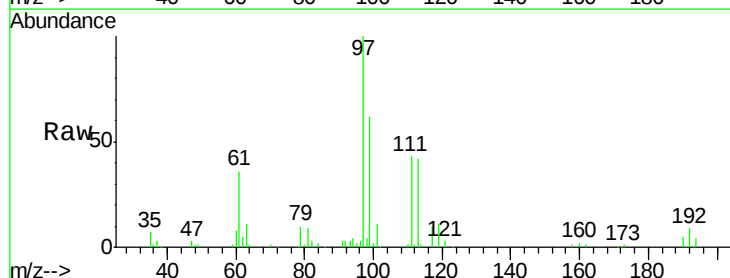
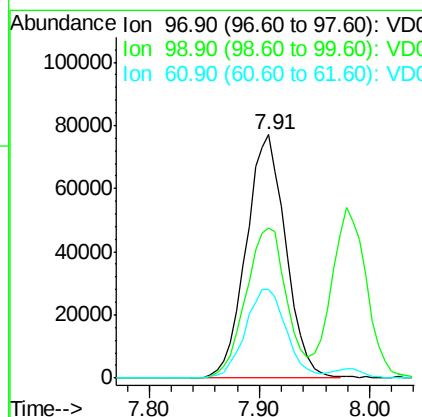
RT: 7.91 min Scan# 1018

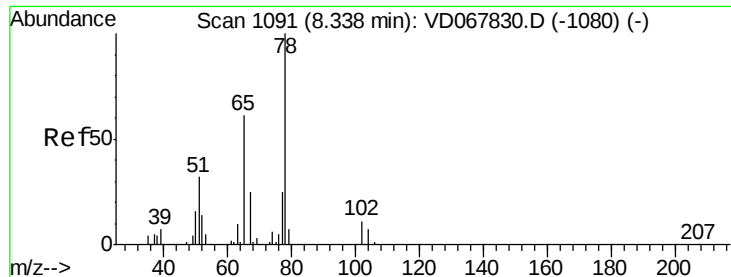
Delta R.T. -0.00 min

Lab File: VD067917.D

Acq: 09 Dec 2020 09:54

Tgt Ion:	97	Resp:	194110
Ion Ratio	Lower	Upper	
97	100		
99	63.5	51.4	77.2
61	37.7	30.8	46.2





#33

1,2-Dichloroethane-d4

Concen: 46.005 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD067917.D

Acq: 09 Dec 2020 09:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 100539

Ion Ratio Lower Upper

65 100

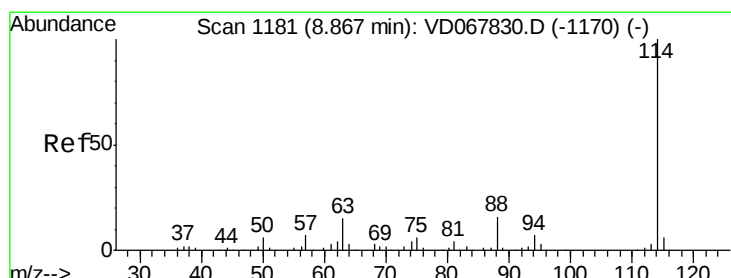
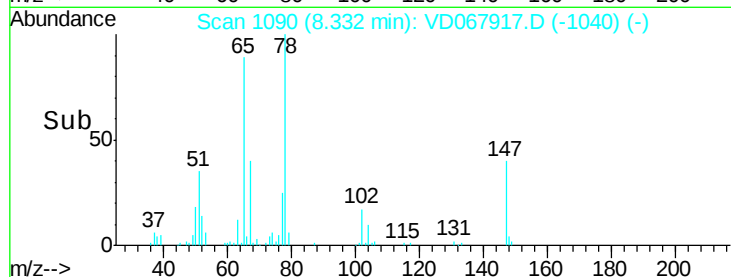
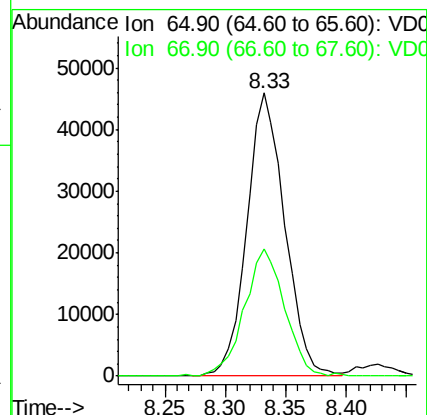
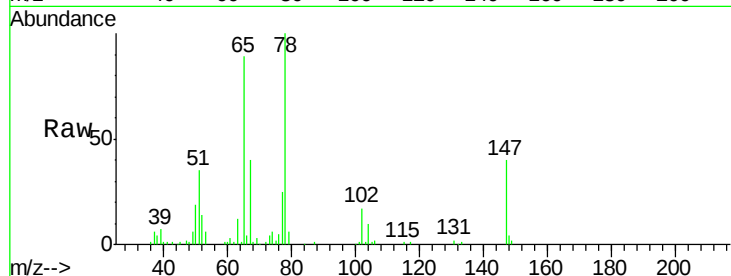
67 47.6 0.0 92.0

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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: VD067917.D

Acq: 09 Dec 2020 09:54

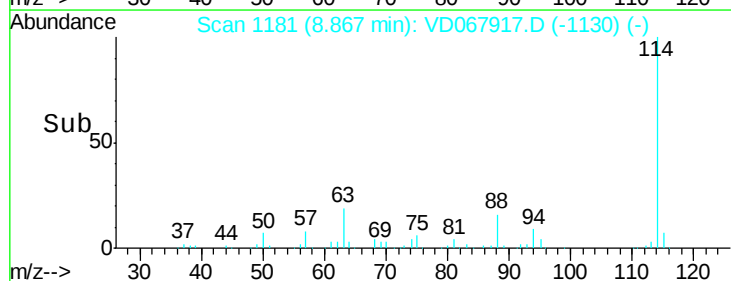
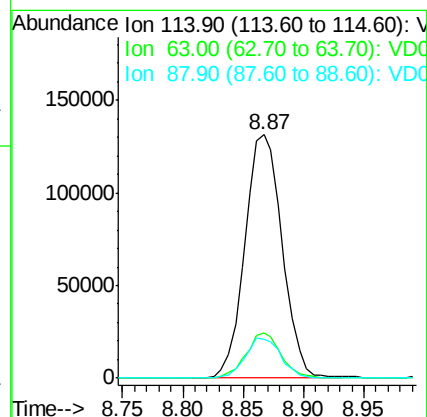
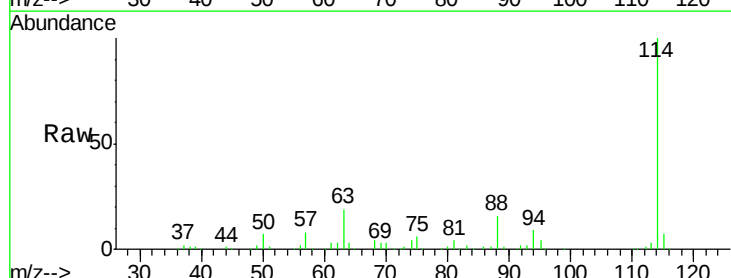
Tgt Ion: 114 Resp: 282696

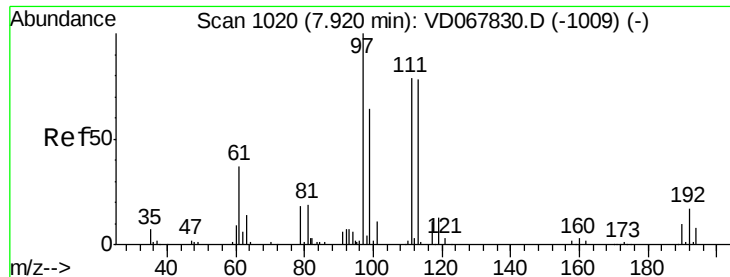
Ion Ratio Lower Upper

114 100

63 18.6 0.0 30.8

88 15.9 0.0 31.8





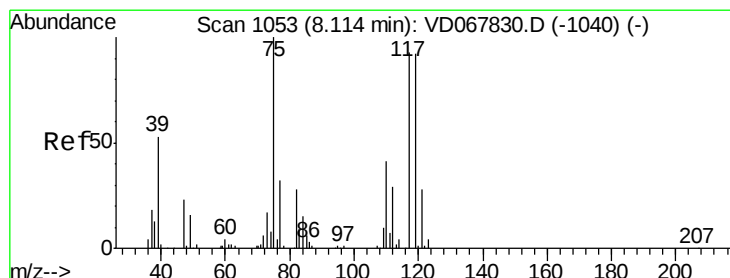
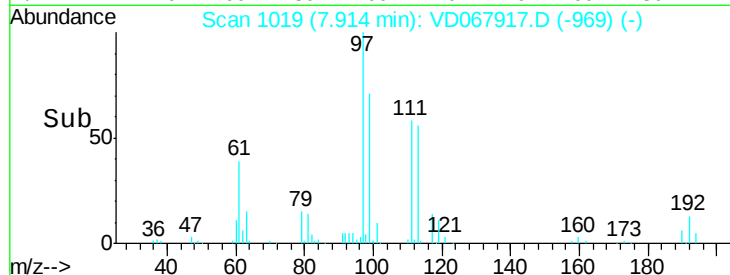
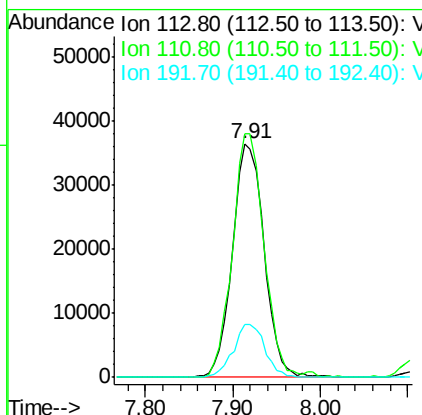
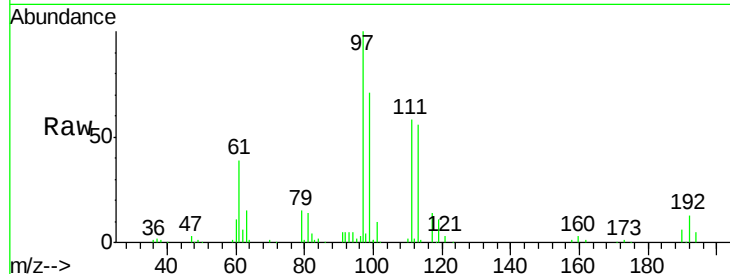
#35
 Dibromofluoromethane
 Concen: 47.379 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD067917.D
 Acq: 09 Dec 2020 09:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.2	121.8
192	22.3	16.8	25.2

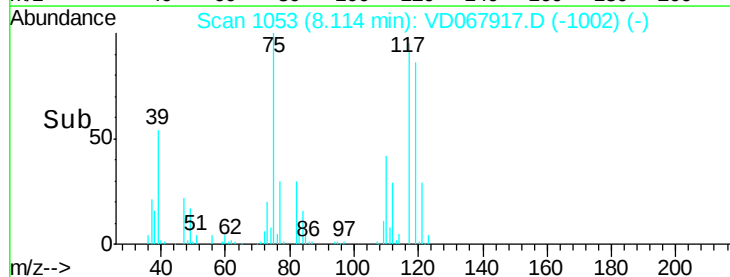
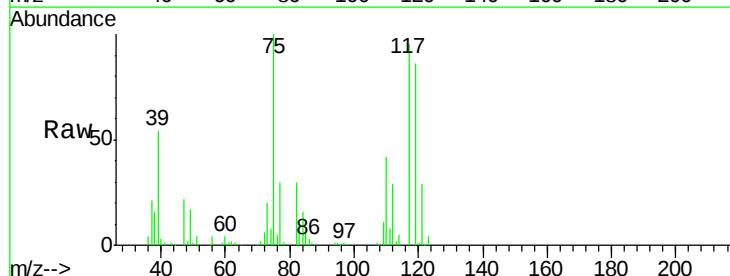
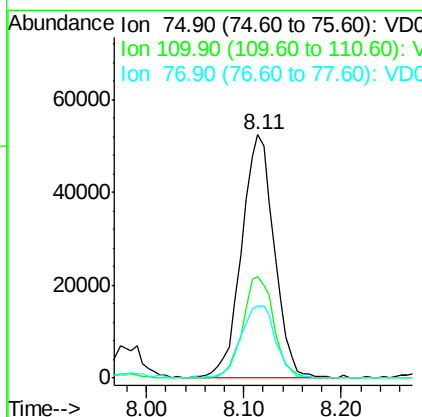
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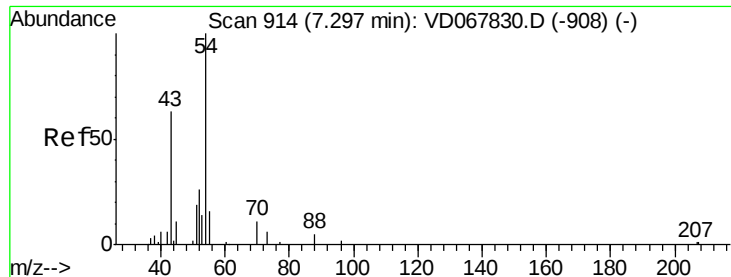
MMDadoda
 12/10/2020 10:19:26 AM



#36
 1,1-Dichloropropene
 Concen: 49.863 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD067917.D
 Acq: 09 Dec 2020 09:54

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.7	20.3	61.0
77	31.7	24.7	37.1





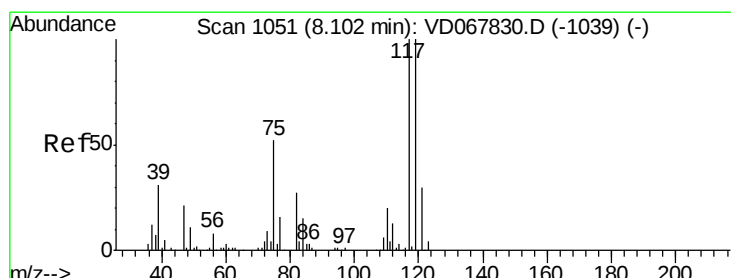
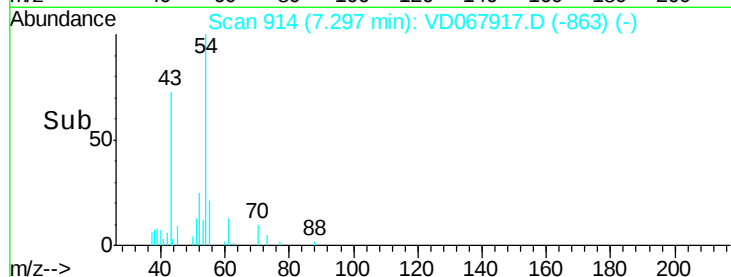
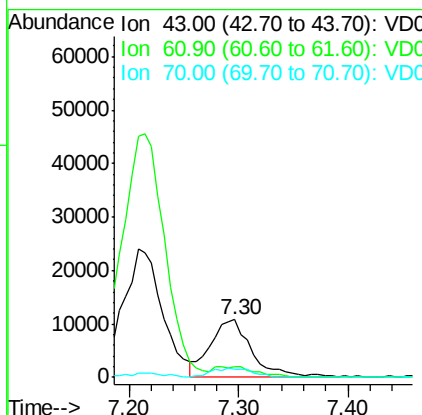
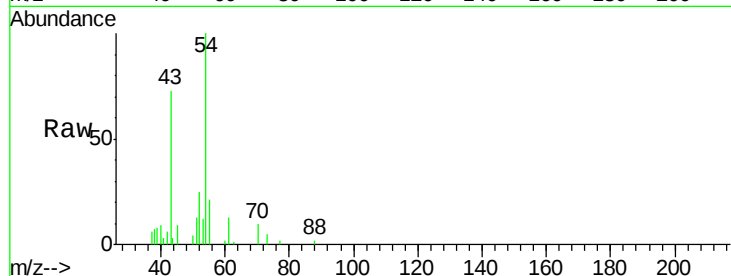
#37
Ethyl Acetate
Concen: 43.864 ug/l m
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD067917.D
Acq: 09 Dec 2020 09:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.3	11.4	17.2#
70	15.1	11.5	17.3

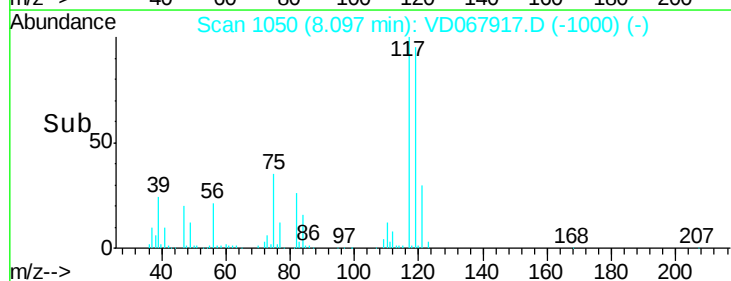
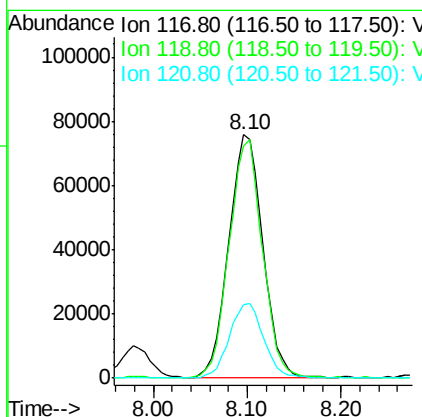
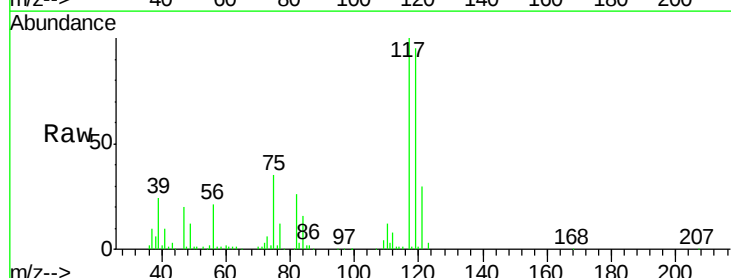
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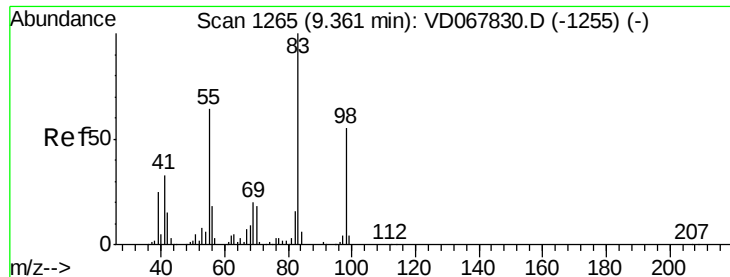
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#38
Carbon Tetrachloride
Concen: 51.744 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD067917.D
Acq: 09 Dec 2020 09:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.2	79.7	119.5
121	30.1	23.8	35.6





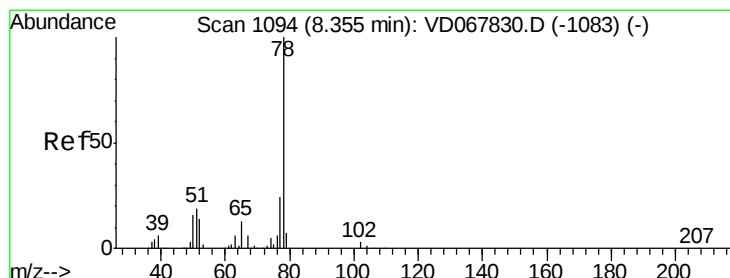
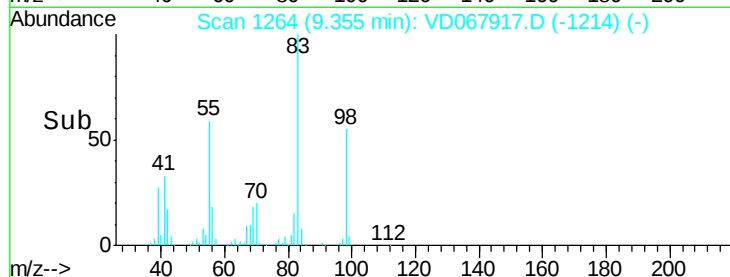
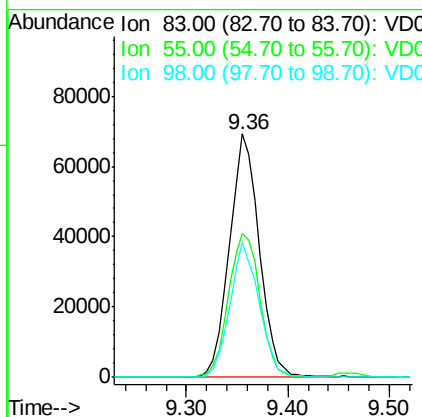
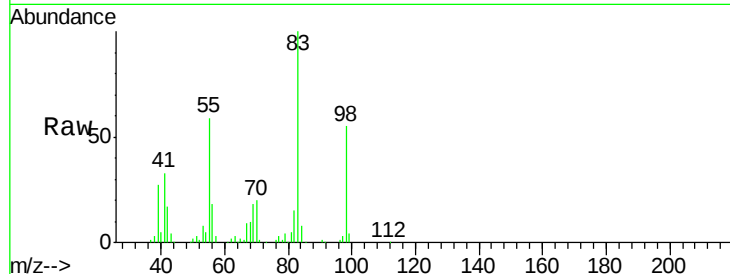
#39
Methvlcvclohexane
Concen: 48.799 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD067917.D
Acq: 09 Dec 2020 09:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	59.1	51.6	77.4
98	55.2	44.3	66.5

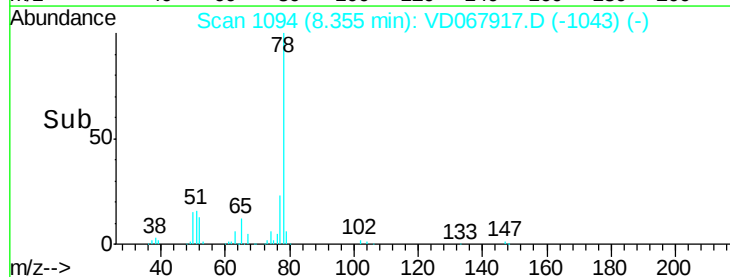
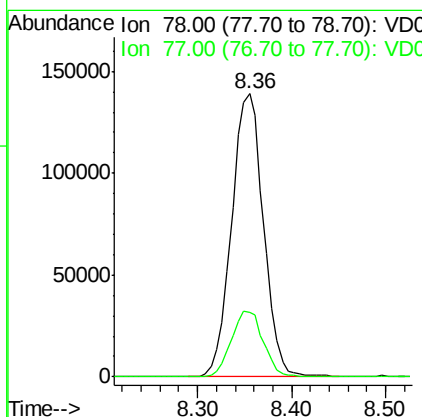
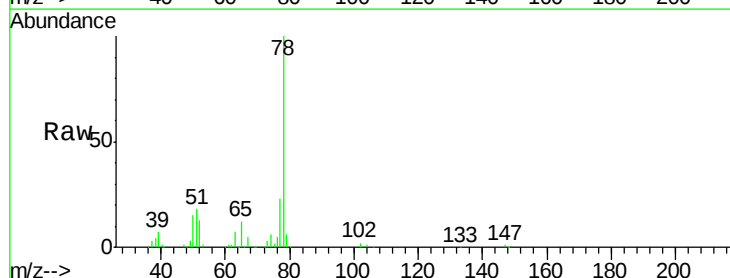
Manual Integrations
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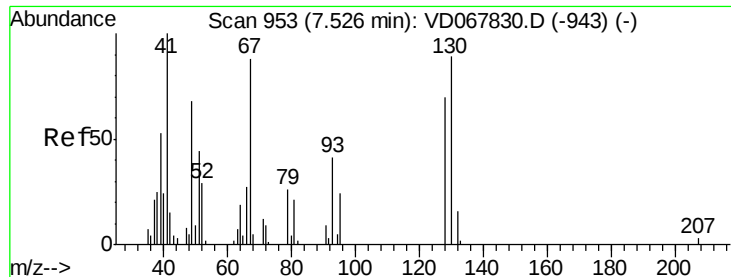
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#40
Benzene
Concen: 48.767 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD067917.D
Acq: 09 Dec 2020 09:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.6	19.1	28.7





#41

Methacrylonitrile

Concen: 52.286 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.00 min

Lab File: VD067917.D

Acq: 09 Dec 2020 09:54

Instrument :

MSVOA_D

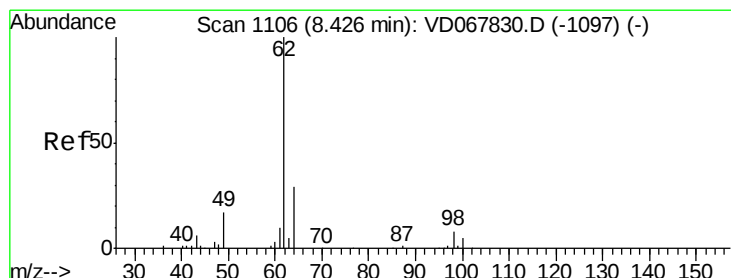
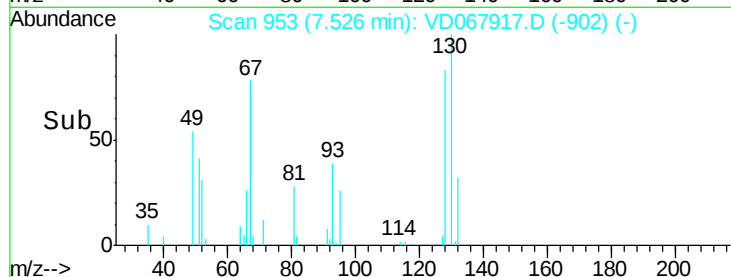
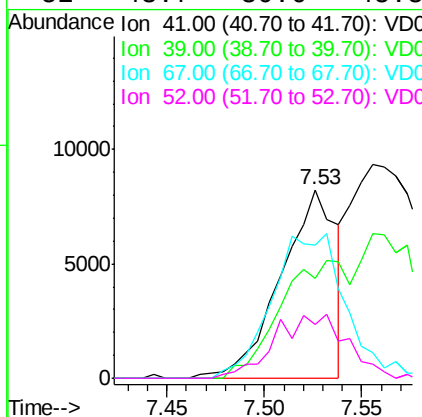
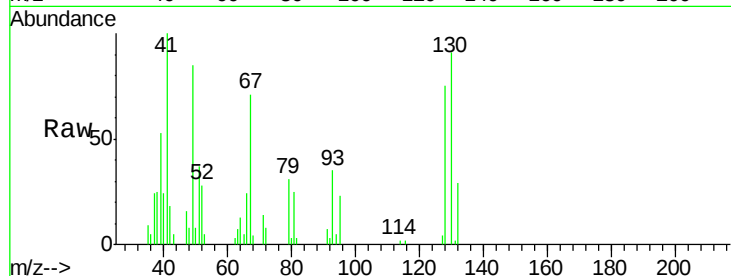
ClientSampleId :

VSTDCCC050

Tot Ion:	41	Resp:	16313
Ion	Ratio	Lower	Upper
41	100		
39	76.4	42.1	63.1#
67	101.0	82.4	123.6
52	43.7	30.6	45.8

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 48.183 ug/l

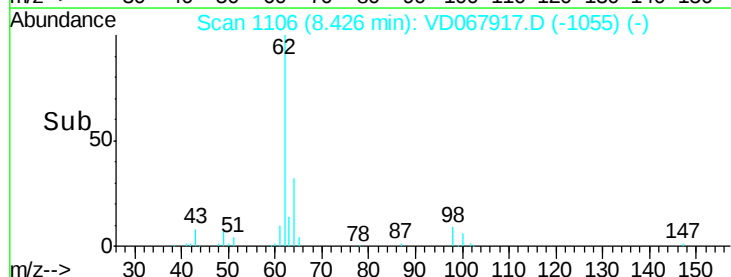
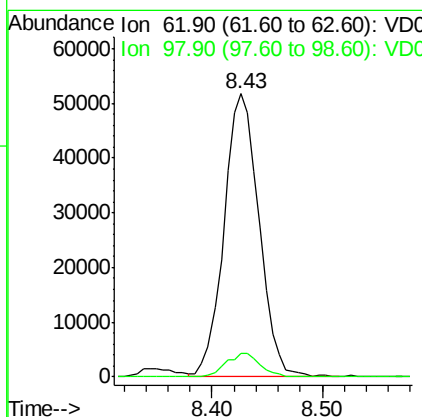
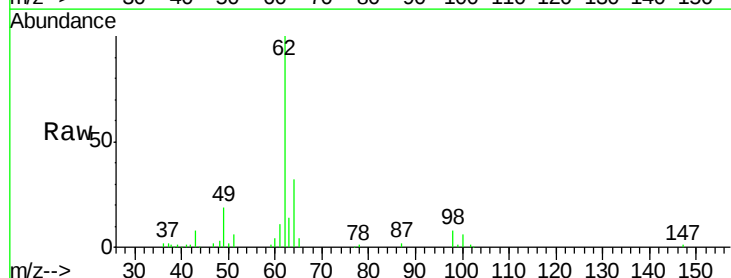
RT: 8.43 min Scan# 1106

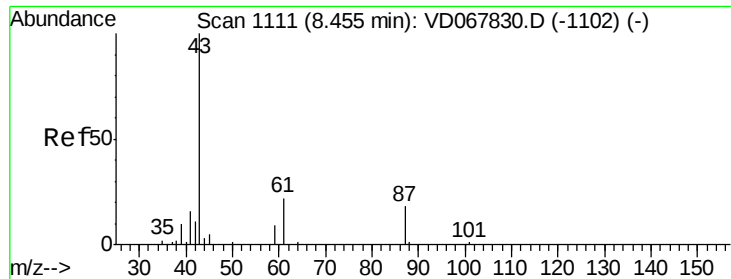
Delta R.T. -0.00 min

Lab File: VD067917.D

Acq: 09 Dec 2020 09:54

Tgt Ion:	62	Resp:	114995
Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	17.2





#43

Isopropyl Acetate

Concen: 44.112 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD067917.D

Acq: 09 Dec 2020 09:54

Instrument :

MSVOA_D

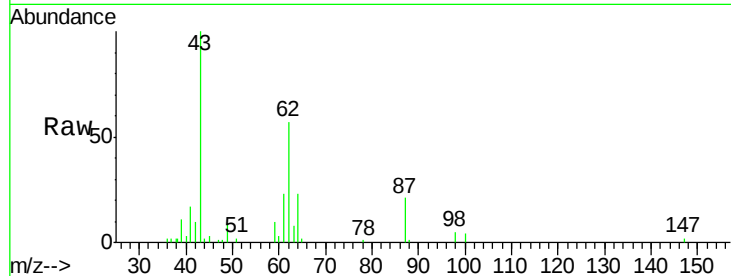
ClientSampleId :

VSTDCCC050

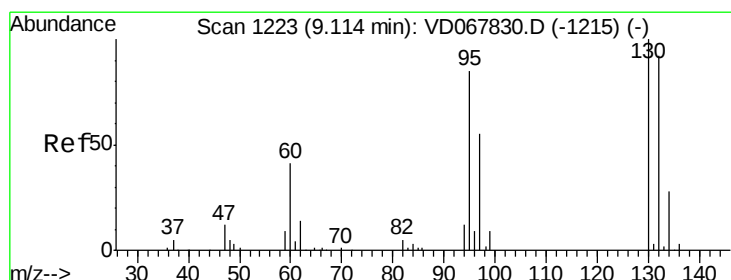
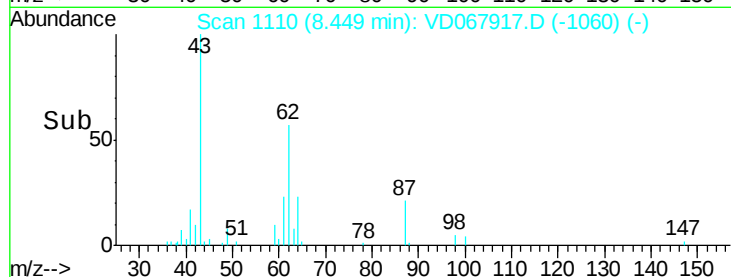
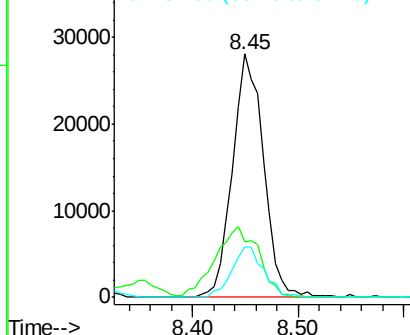
Tot Ion:	43	Resp:	57249
Ion	Ratio	Lower	Upper
43	100		
61	40.4	30.4	45.6
87	21.0	16.2	24.2

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Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 48.772 ug/l

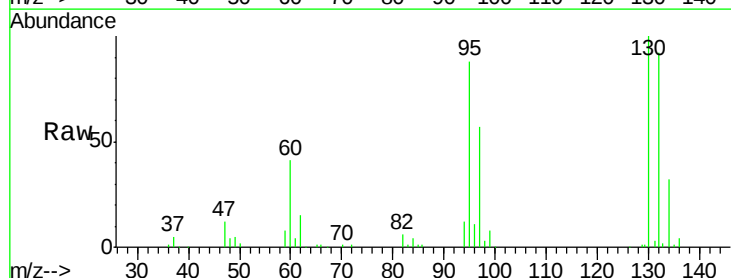
RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

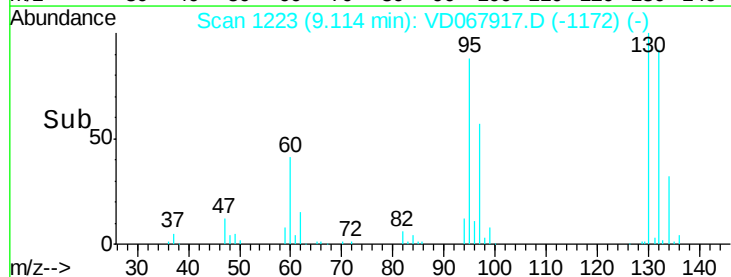
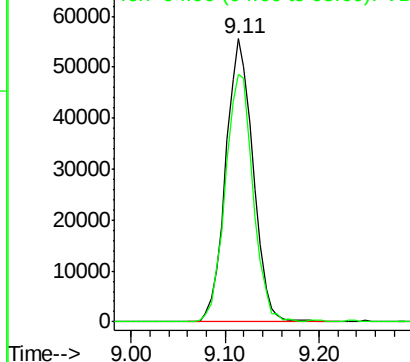
Lab File: VD067917.D

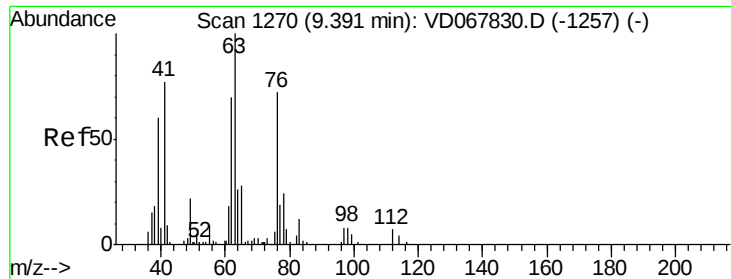
Acq: 09 Dec 2020 09:54

Tgt Ion:	130	Resp:	112289
Ion	Ratio	Lower	Upper
130	100		
95	87.5	0.0	170.2



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





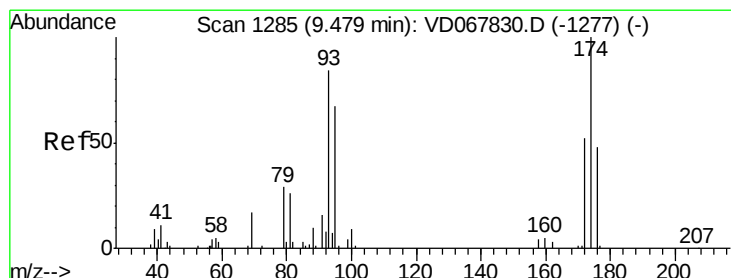
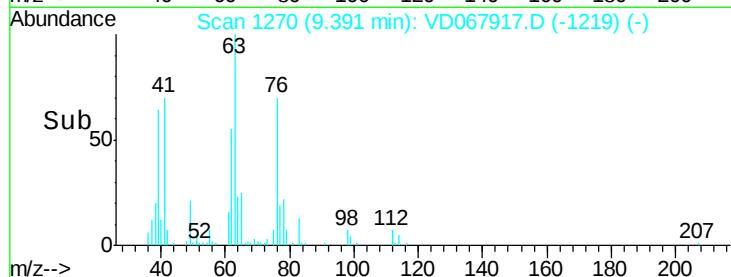
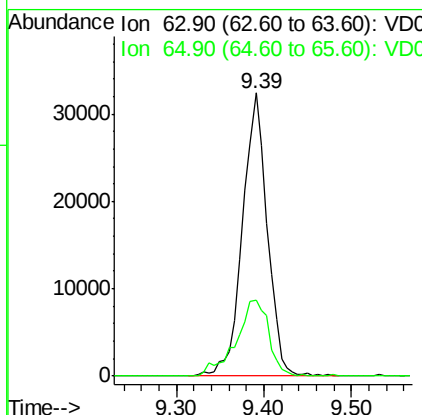
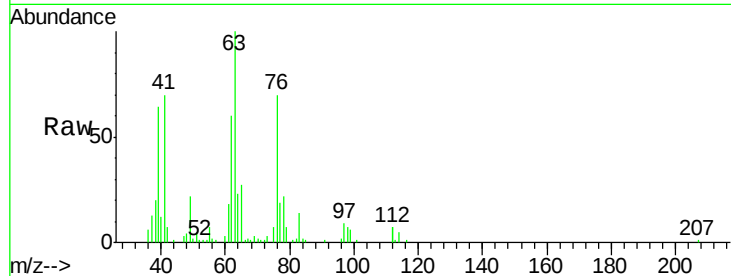
#45
 1,2-Dichloropropane
 Concen: 44.794 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD067917.D
 Acq: 09 Dec 2020 09:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 61565
 Ion Ratio Lower Upper
 63 100
 65 26.7 22.8 34.2

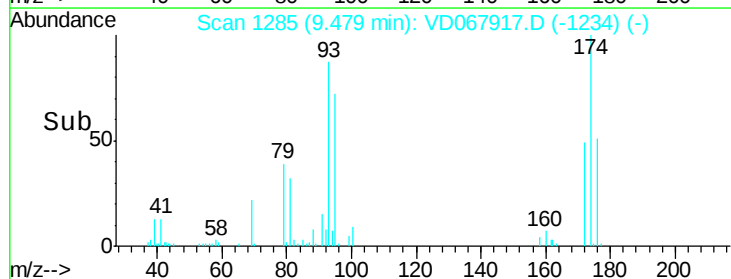
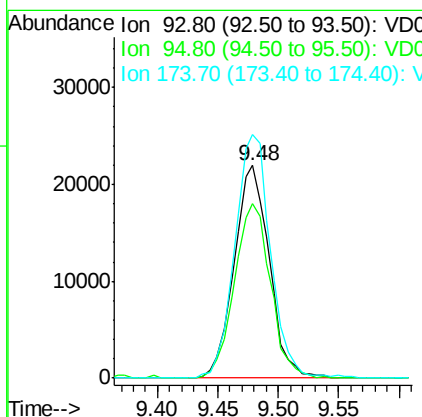
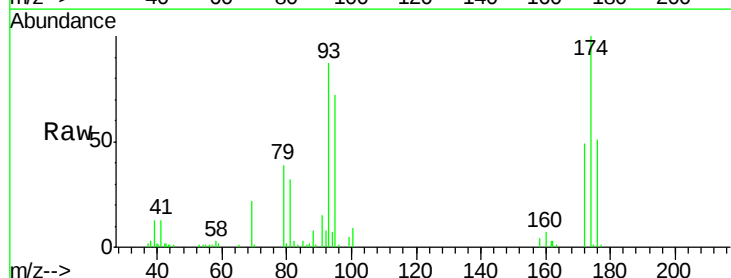
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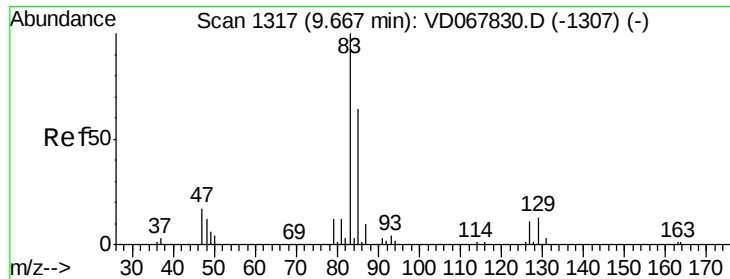
MMDadoda
 12/10/2020 10:19:26 AM



#46
 Dibromomethane
 Concen: 46.571 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD067917.D
 Acq: 09 Dec 2020 09:54

Tgt Ion: 93 Resp: 44503
 Ion Ratio Lower Upper
 93 100
 95 84.1 64.2 96.4
 174 116.9 91.5 137.3





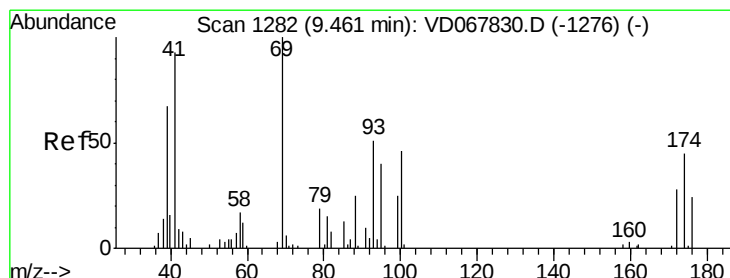
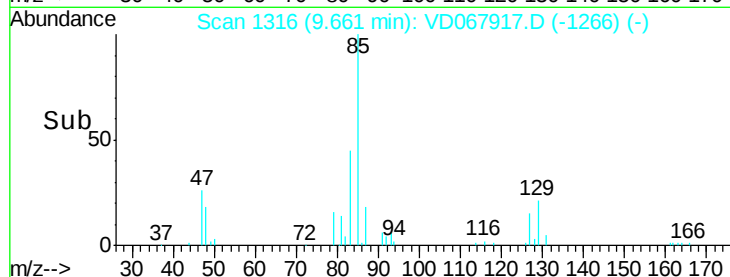
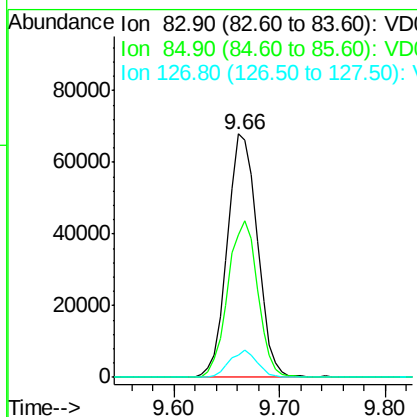
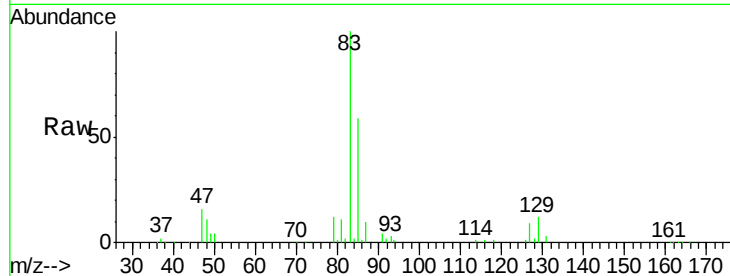
#47
Bromodichloromethane
Concen: 49.063 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. -0.01 min
Lab File: VD067917.D
Acq: 09 Dec 2020 09:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	133660		
85	58.5		51.4	77.0
127	9.0		8.5	12.7

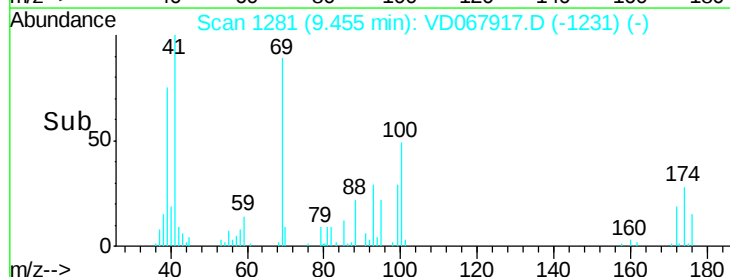
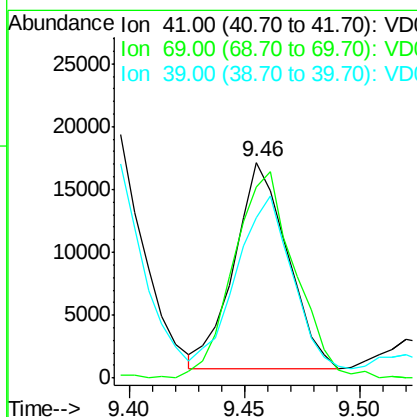
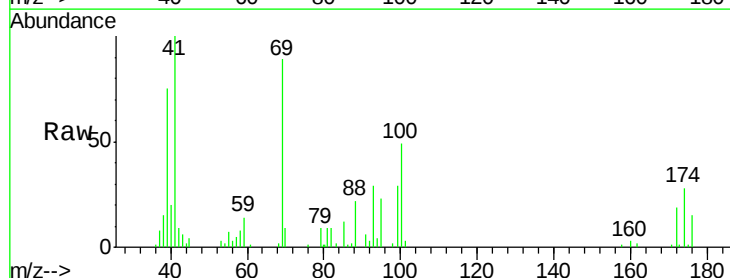
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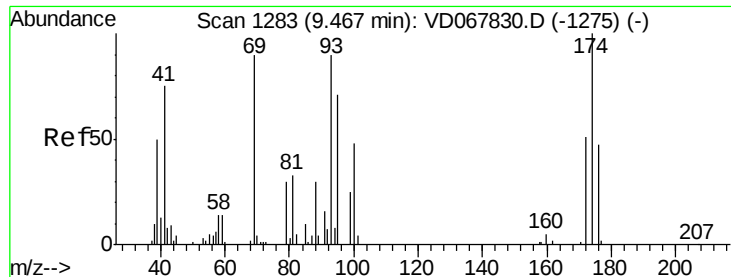
MMDadoda
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#48
Methyl methacrylate
Concen: 40.367 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD067917.D
Acq: 09 Dec 2020 09:54

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	26602		
69	114.8		87.6	131.4
39	86.3		61.2	91.8





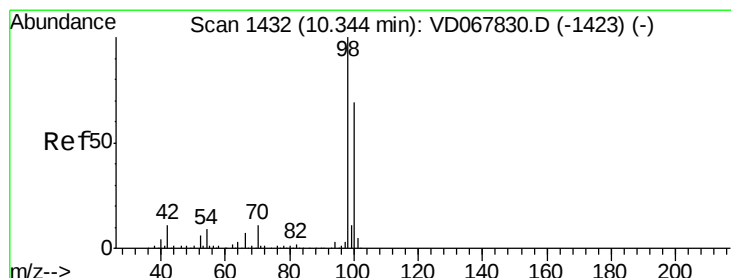
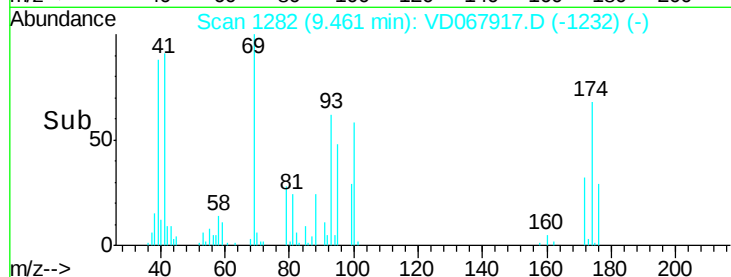
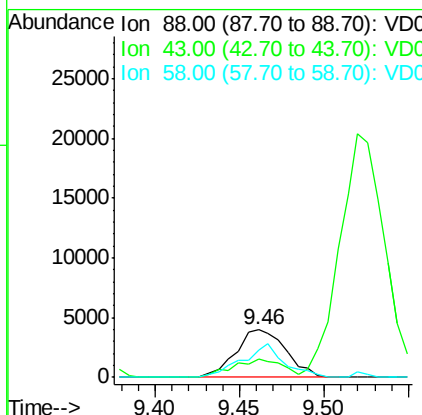
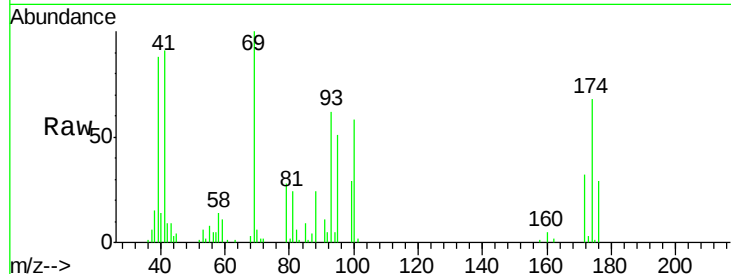
#49
1,4-Dioxane
Concen: 754.457 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD067917.D
Acq: 09 Dec 2020 09:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	8238
Ion	Ratio	Lower	Upper
88	100		
43	38.0	30.1	45.1
58	57.5	42.4	63.6

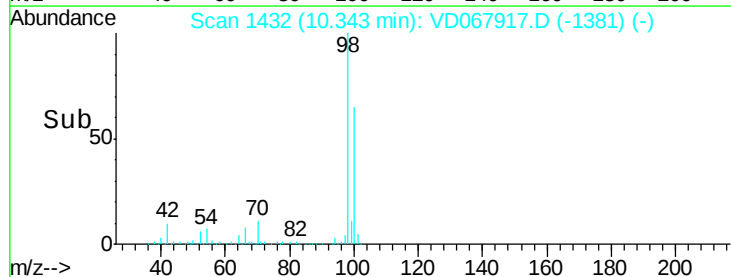
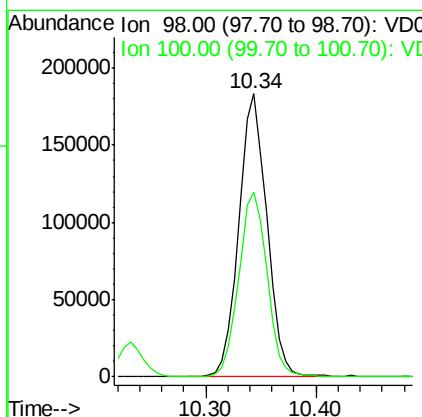
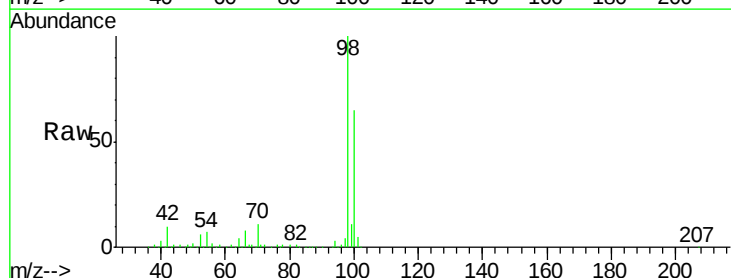
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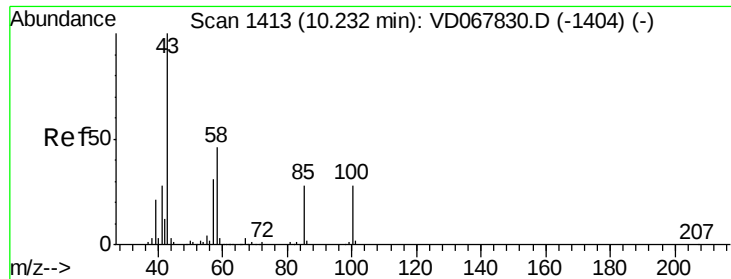
MMDadoda
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#50
Toluene-d8
Concen: 48.316 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD067917.D
Acq: 09 Dec 2020 09:54

Tgt Ion	98	Resp	329009
Ion	Ratio	Lower	Upper
98	100		
100	66.2	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 223.945 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD067917.D

Acq: 09 Dec 2020 09:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 137554

Ion Ratio Lower Upper

43 100

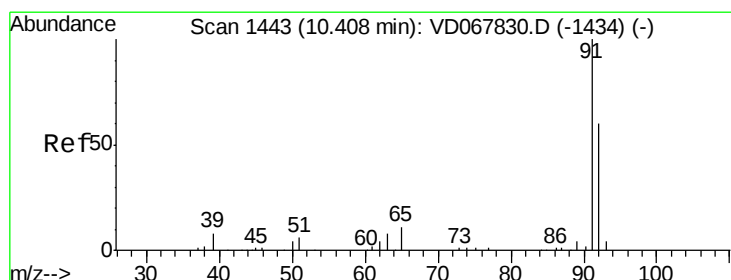
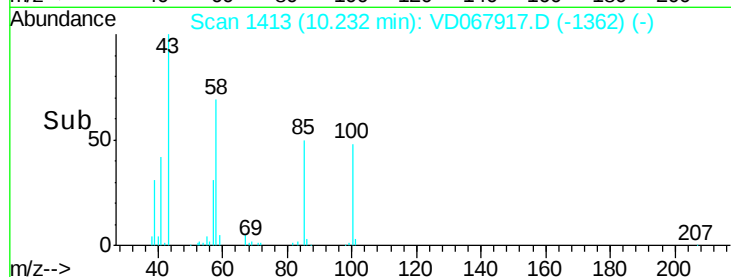
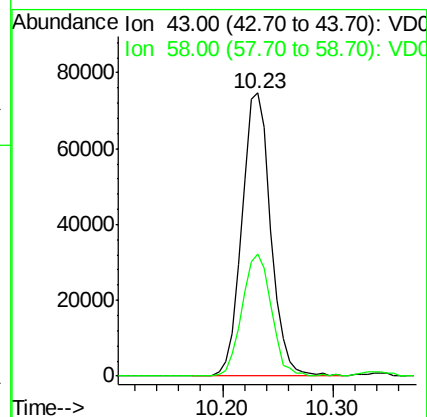
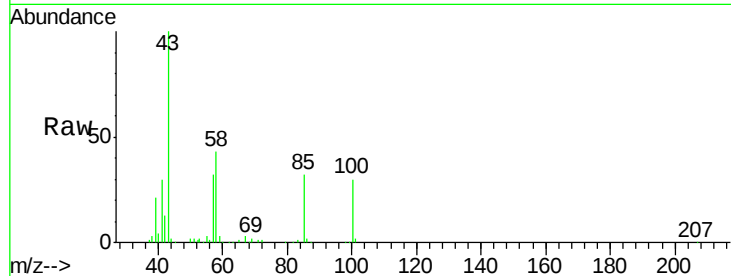
58 43.8 35.7 53.5

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#52

Toluene

Concen: 48.486 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD067917.D

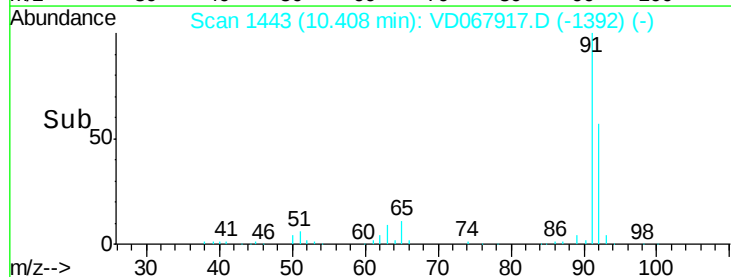
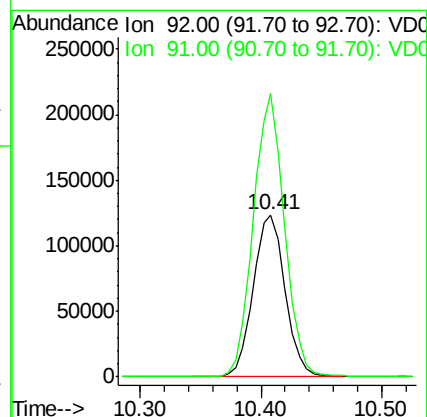
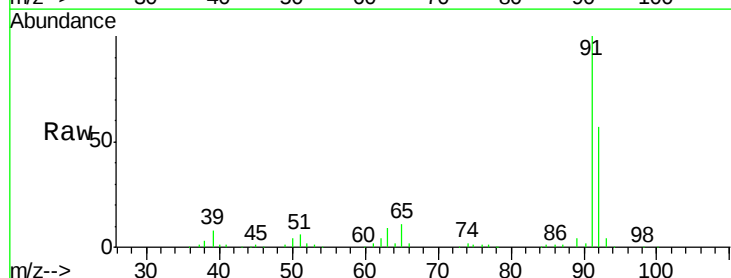
Acq: 09 Dec 2020 09:54

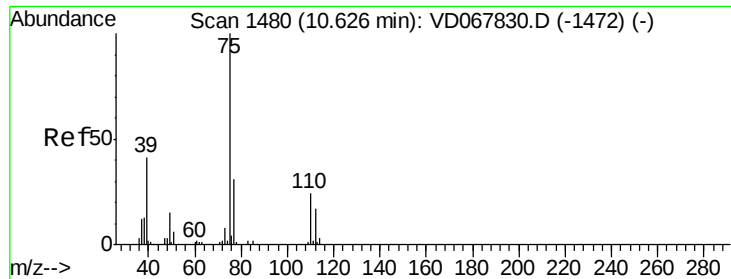
Tgt Ion: 92 Resp: 227003

Ion Ratio Lower Upper

92 100

91 170.9 134.2 201.2





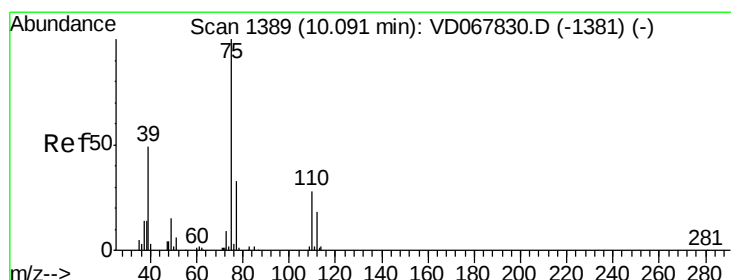
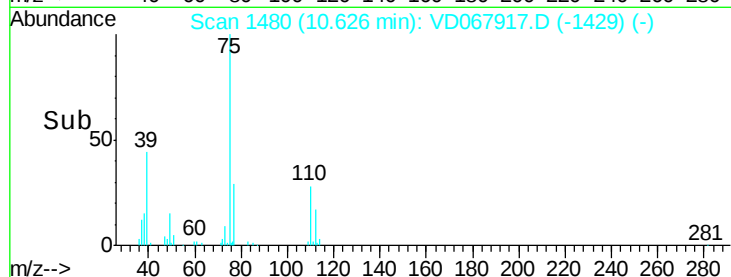
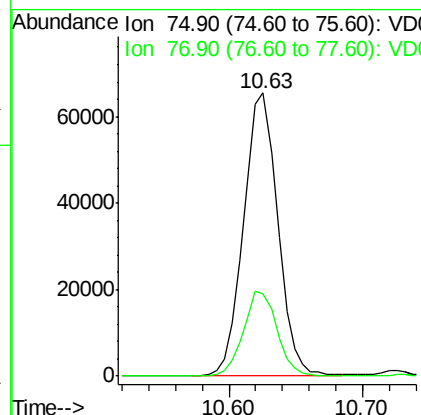
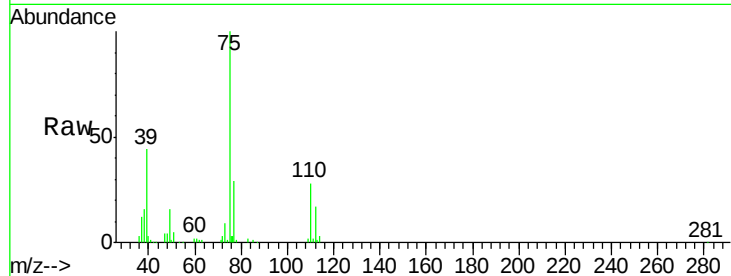
#53
t-1,3-Dichloropropene
Concen: 49.305 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD067917.D
Acq: 09 Dec 2020 09:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 115932
Ion Ratio Lower Upper
75 100
77 29.2 25.0 37.4

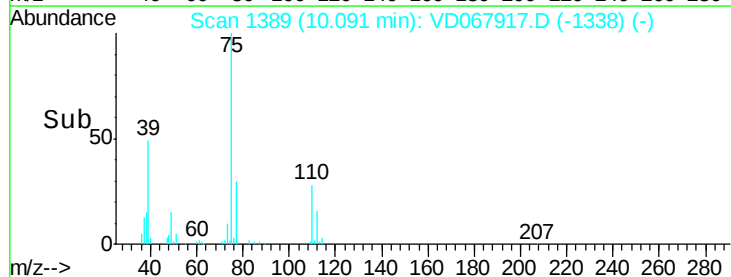
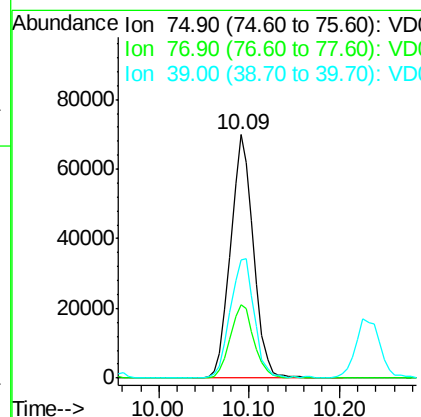
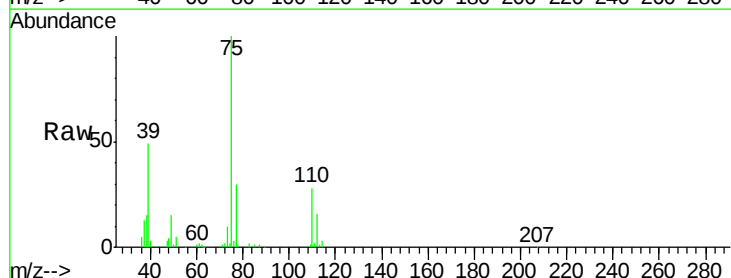
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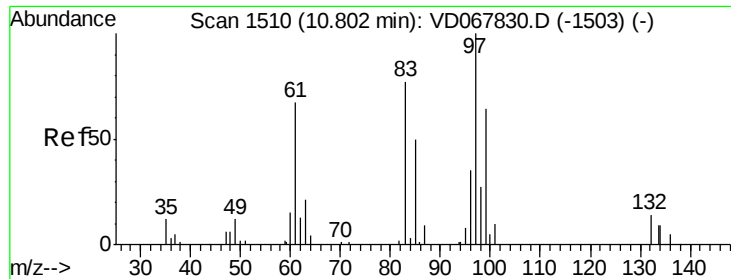
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#54
cis-1,3-Dichloropropene
Concen: 48.022 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VD067917.D
Acq: 09 Dec 2020 09:54

Tgt Ion: 75 Resp: 122823
Ion Ratio Lower Upper
75 100
77 30.2 26.2 39.2
39 48.3 39.0 58.4





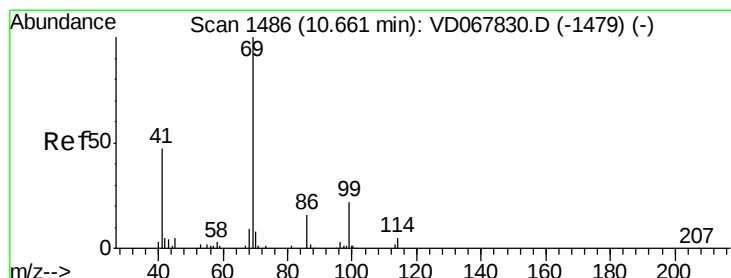
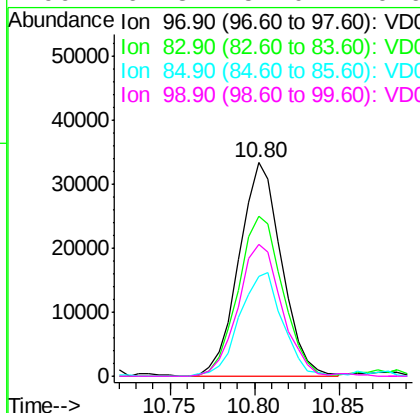
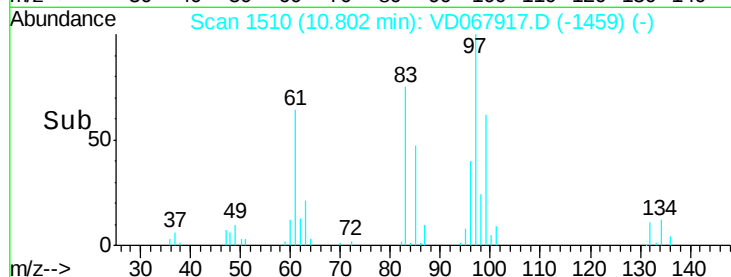
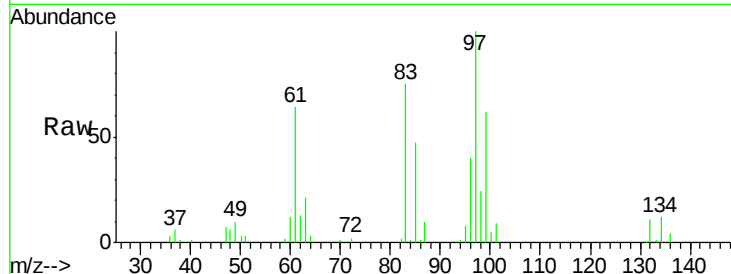
#55
 1,1,2-Trichloroethane
 Concen: 44.781 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD067917.D
 Acq: 09 Dec 2020 09:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	58562
Ion	Ratio	Lower	Upper
97	100		
83	74.8	61.9	92.9
85	46.8	40.2	60.4
99	61.8	51.0	76.6

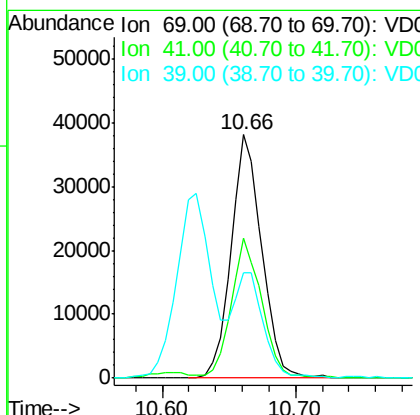
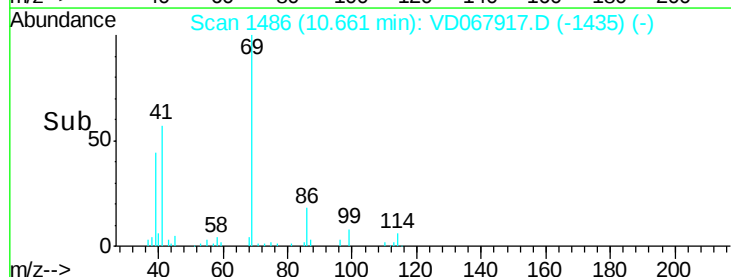
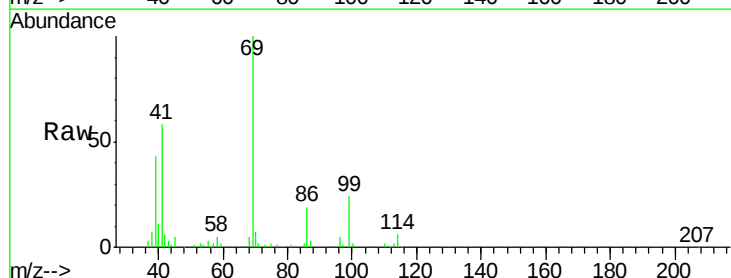
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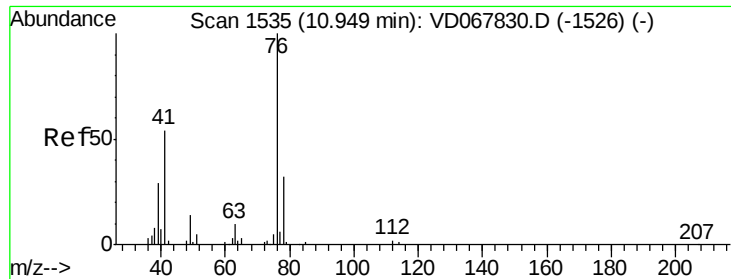
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#56
 Ethyl methacrylate
 Concen: 45.719 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD067917.D
 Acq: 09 Dec 2020 09:54

Tgt Ion:	69	Resp:	60831
Ion	Ratio	Lower	Upper
69	100		
41	57.7	42.8	64.2
39	39.5	30.5	45.7





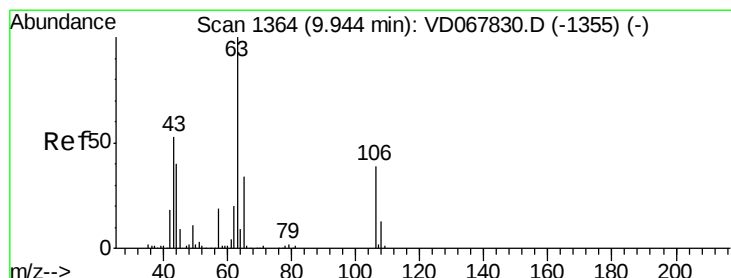
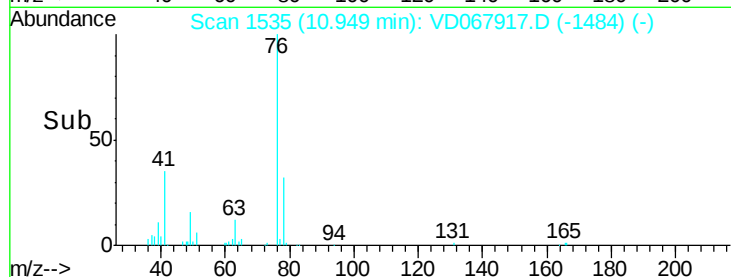
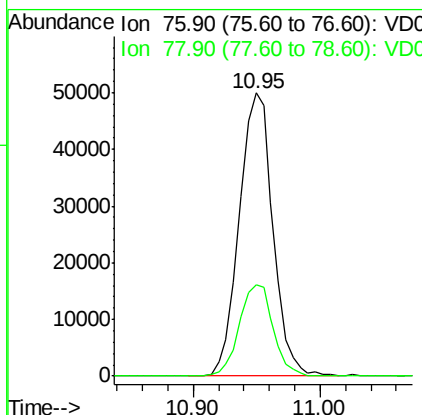
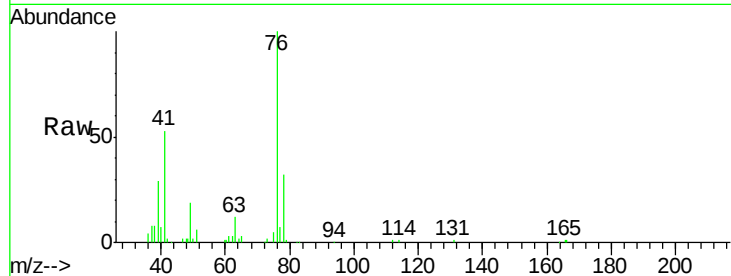
#57
 1,3-Dichloropropane
 Concen: 44.524 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD067917.D
 Acq: 09 Dec 2020 09:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 92233
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.6 39.8

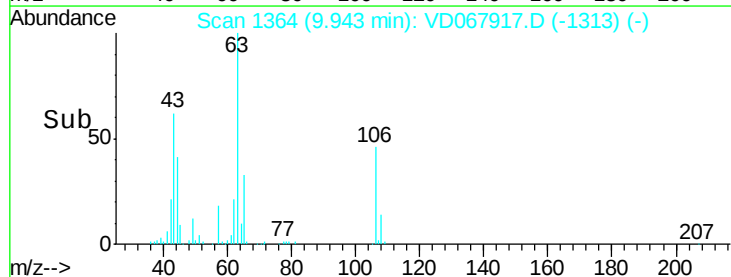
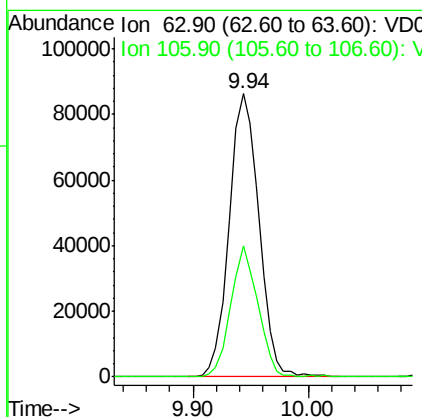
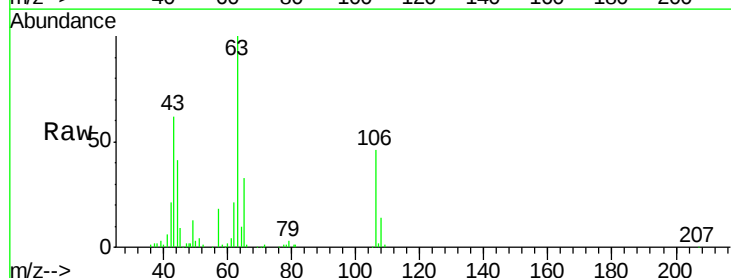
Manual Integrations
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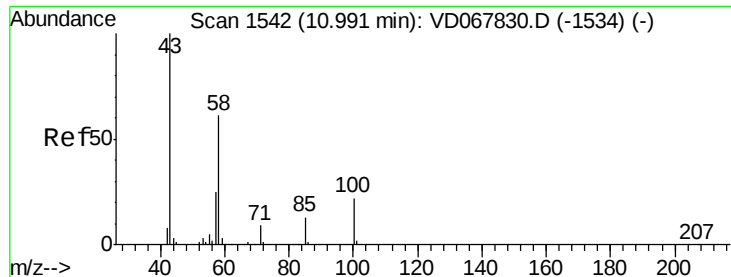
MMDadoda
 12/10/2020 10:19:26 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 254.189 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD067917.D
 Acq: 09 Dec 2020 09:54

Tgt Ion: 63 Resp: 153899
 Ion Ratio Lower Upper
 63 100
 106 42.3 32.0 48.0





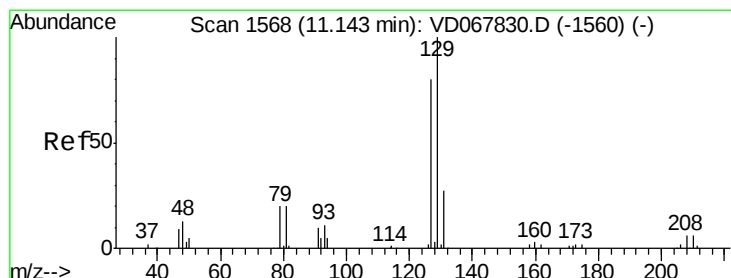
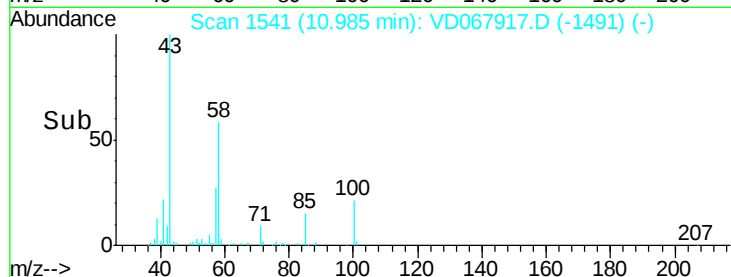
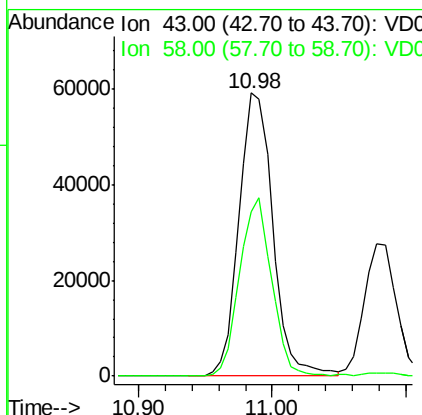
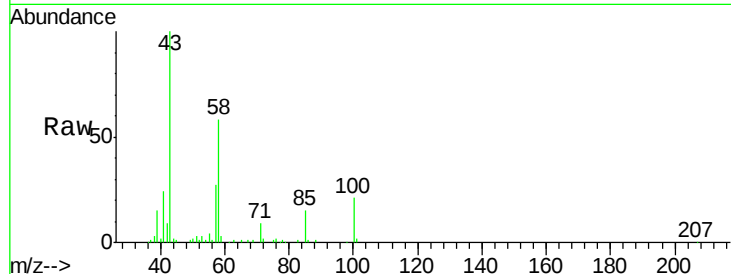
#59
2-Hexanone
Concen: 240.536 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD067917.D
Acq: 09 Dec 2020 09:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 104152
Ion Ratio Lower Upper
43 100
58 59.5 29.9 89.7

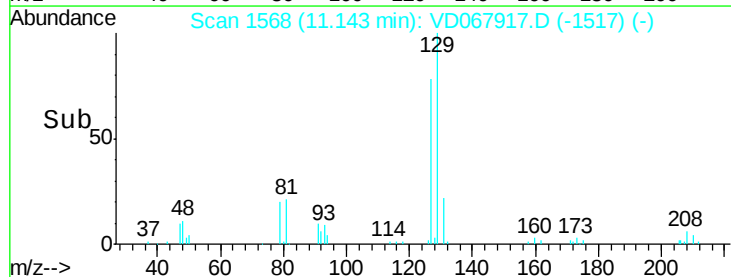
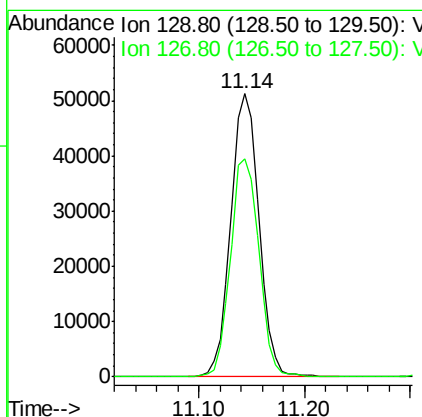
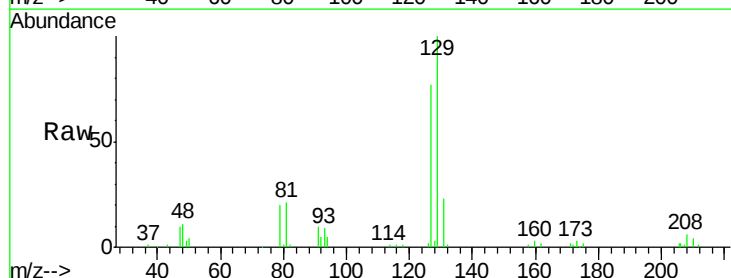
Manual Integrations
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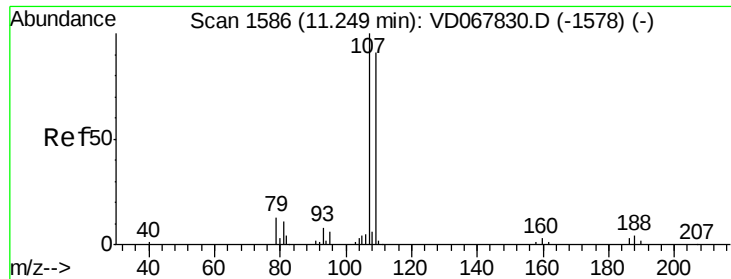
MMDadoda
12/10/2020 10:19:26 AM



#60
Dibromochloromethane
Concen: 47.838 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD067917.D
Acq: 09 Dec 2020 09:54

Tgt Ion: 129 Resp: 94304
Ion Ratio Lower Upper
129 100
127 78.0 39.2 117.6





#61

1,2-Dibromoethane

Concen: 46.086 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VD067917.D

Acq: 09 Dec 2020 09:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 59268

Ion Ratio Lower Upper

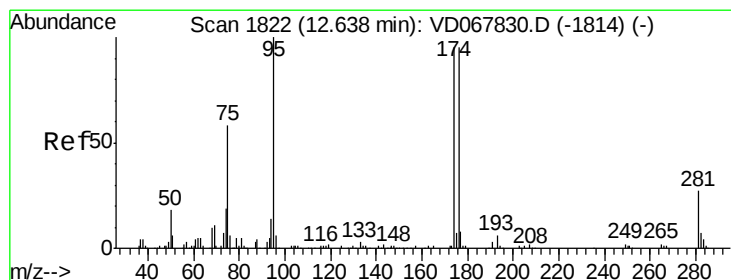
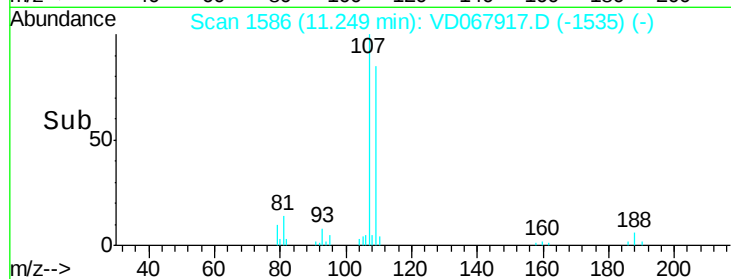
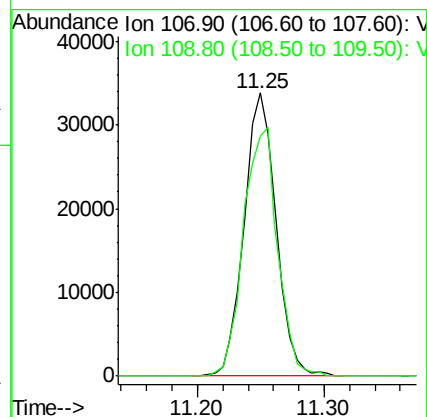
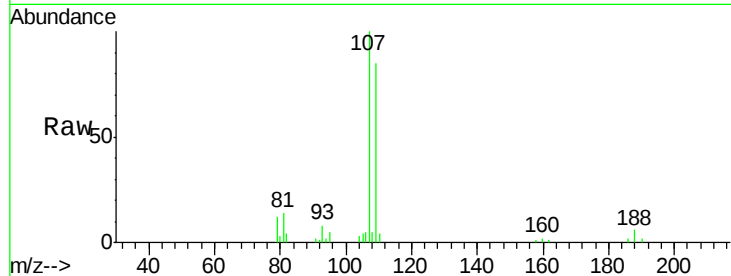
107 100

109 93.4 75.9 113.9

Manual Integrations
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MMDadoda

12/10/2020 10:19:26 AM



#62

4-Bromofluorobenzene

Concen: 50.683 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD067917.D

Acq: 09 Dec 2020 09:54

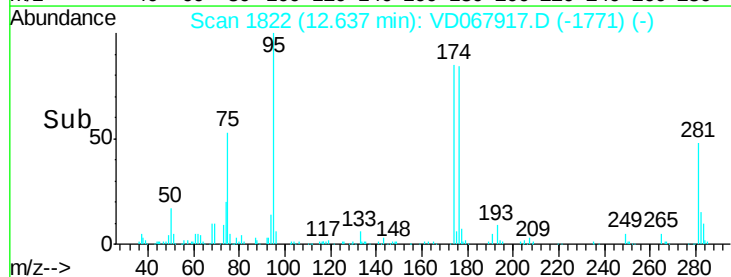
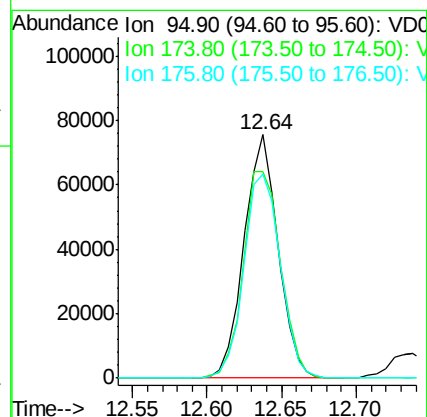
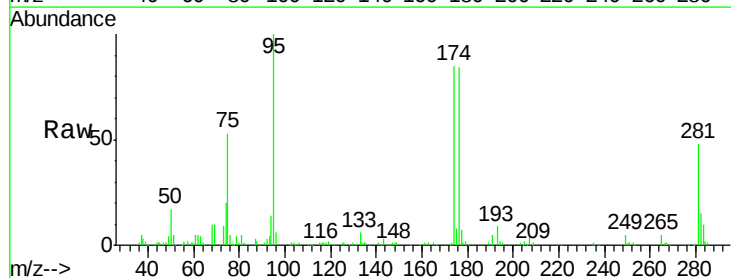
Tgt Ion: 95 Resp: 119322

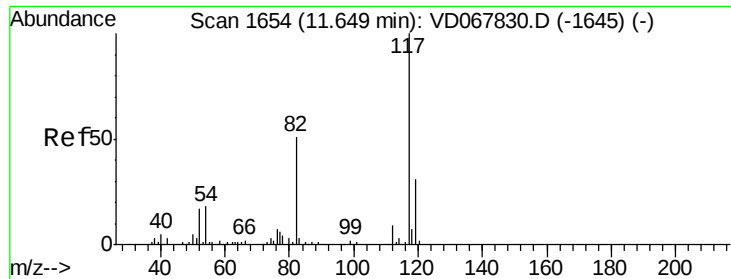
Ion Ratio Lower Upper

95 100

174 93.2 0.0 186.0

176 89.5 0.0 184.2





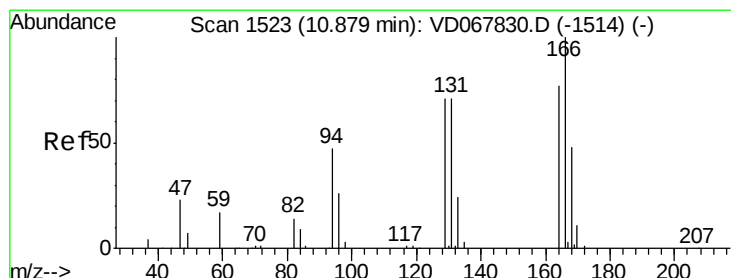
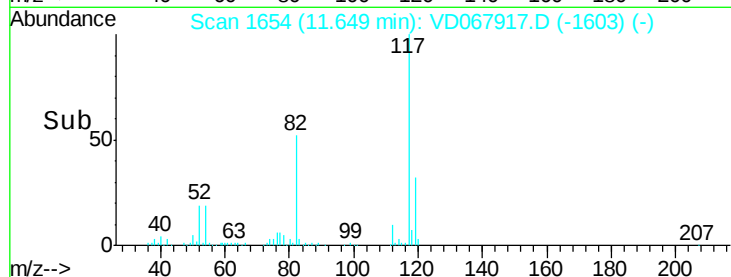
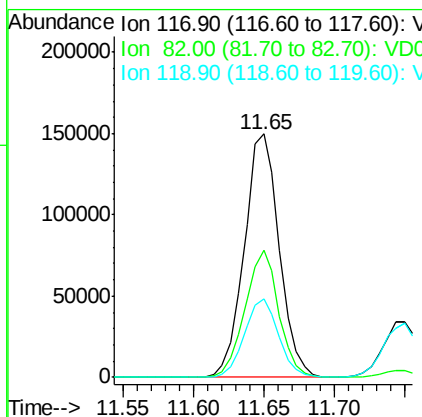
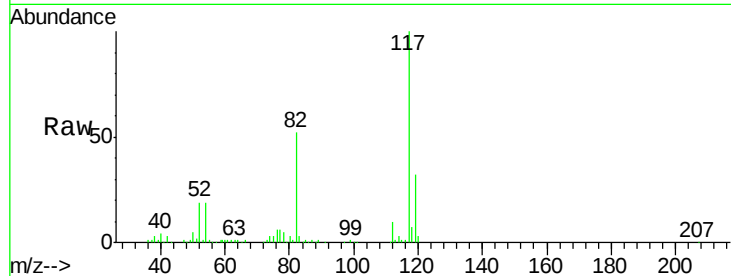
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067917.D
Acq: 09 Dec 2020 09:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	259768		
82	52.1		40.6	60.8
119	32.2		25.1	37.7

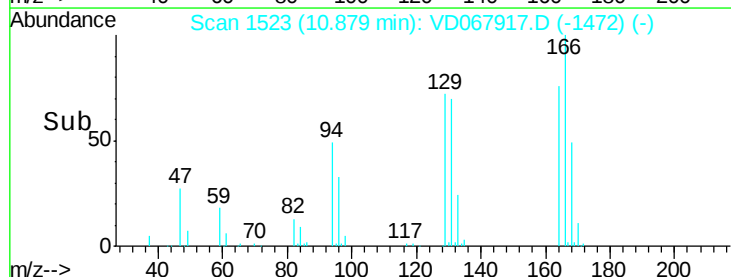
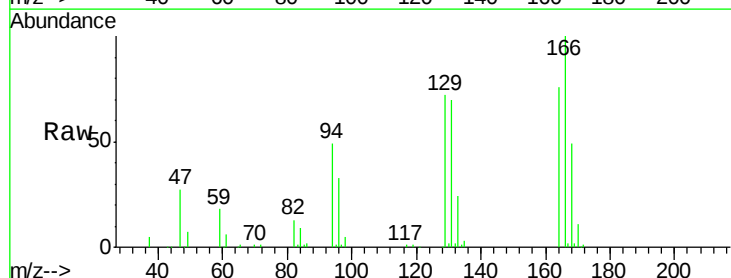
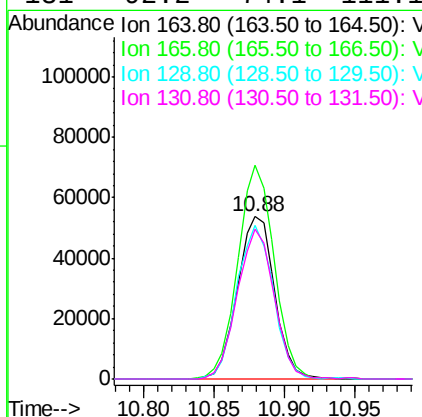
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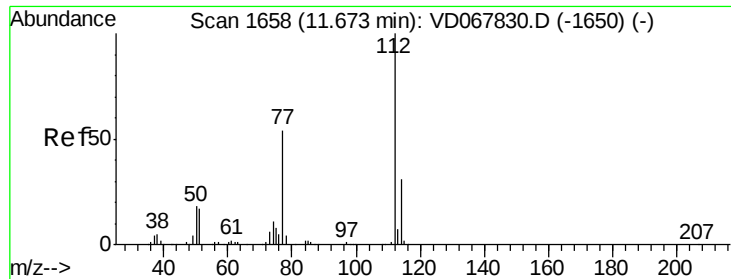
MMDadoda
12/10/2020 10:19:26 AM



#64
Tetrachloroethene
Concen: 46.605 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD067917.D
Acq: 09 Dec 2020 09:54

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	98751		
166	131.7		103.8	155.6
129	95.0		73.3	109.9
131	92.2		74.1	111.1





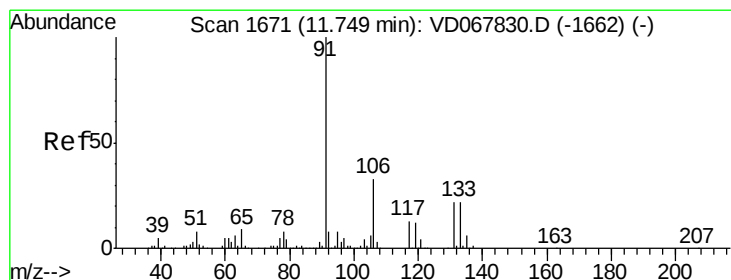
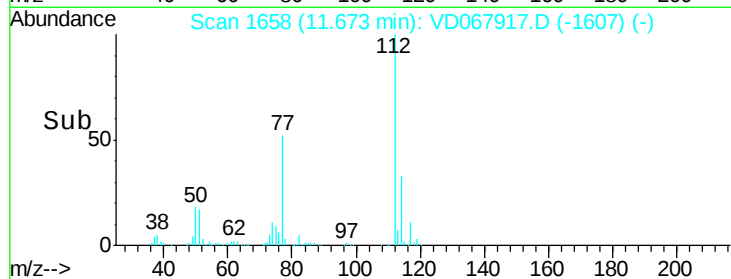
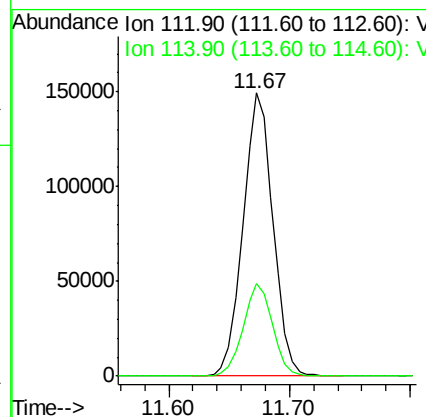
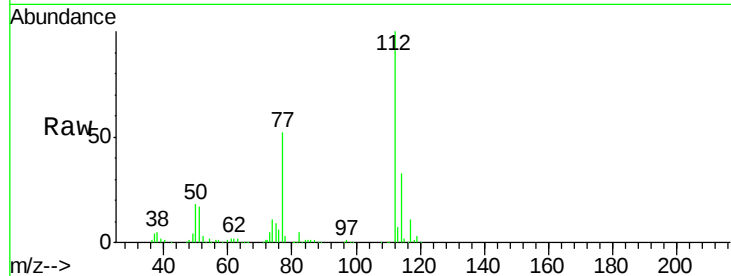
#65
Chlorobenzene
Concen: 48.095 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD067917.D
Acq: 09 Dec 2020 09:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.7	25.0	37.4

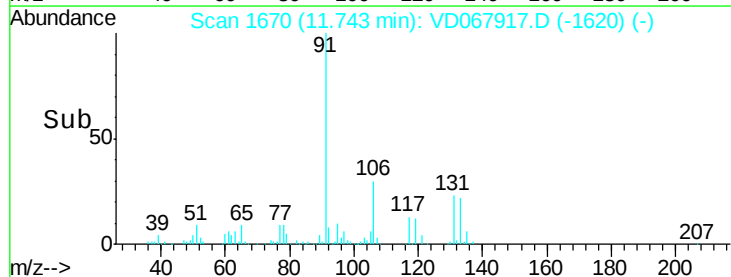
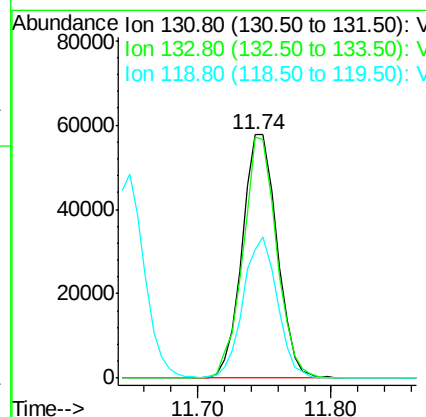
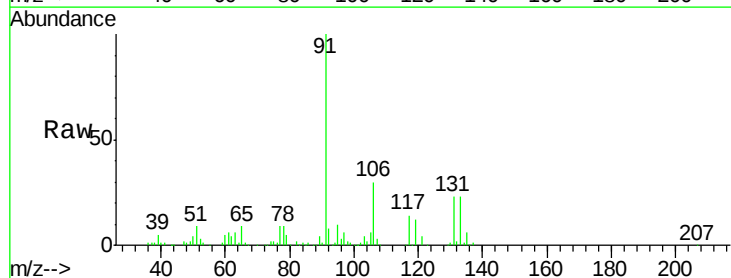
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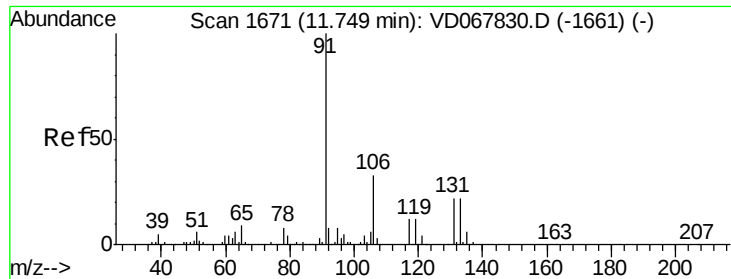
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 47.686 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD067917.D
Acq: 09 Dec 2020 09:54

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.8	49.9	149.7
119	56.7	29.6	88.9





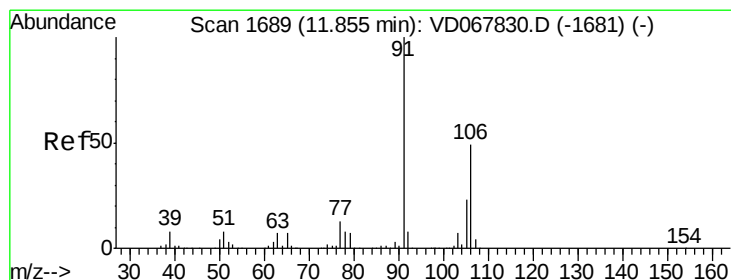
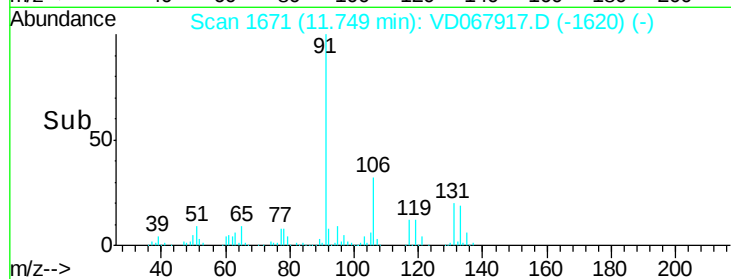
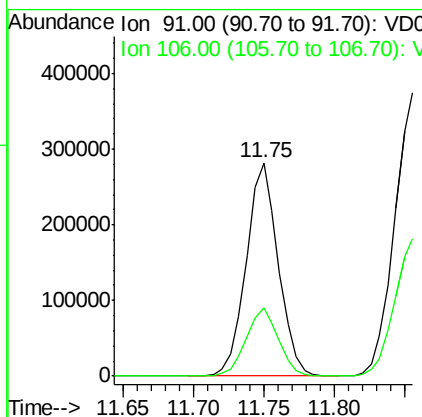
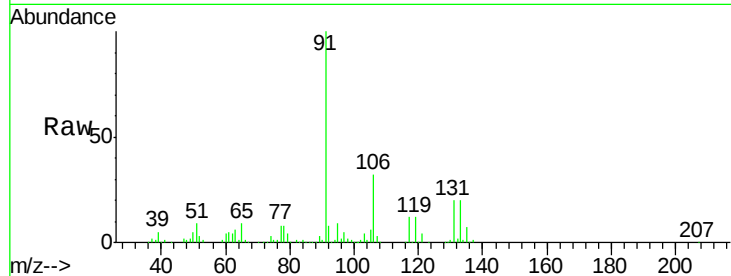
#67
Ethyl Benzene
Concen: 49.099 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD067917.D
Acq: 09 Dec 2020 09:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 448313
Ion Ratio Lower Upper
91 100
106 31.9 26.2 39.2

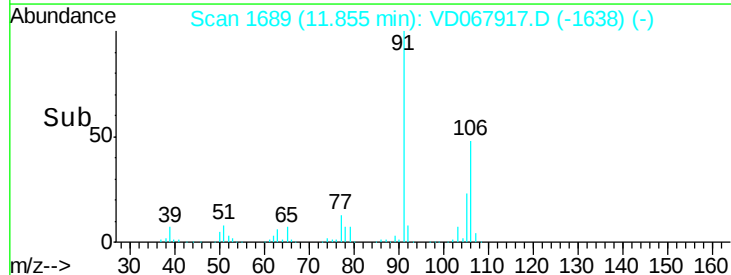
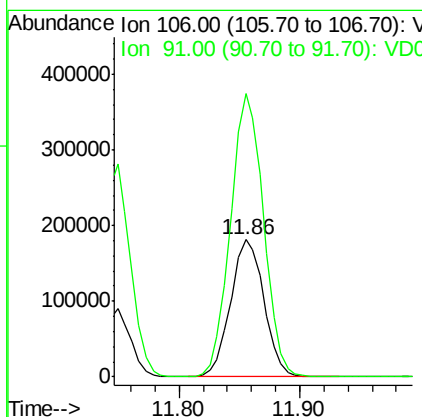
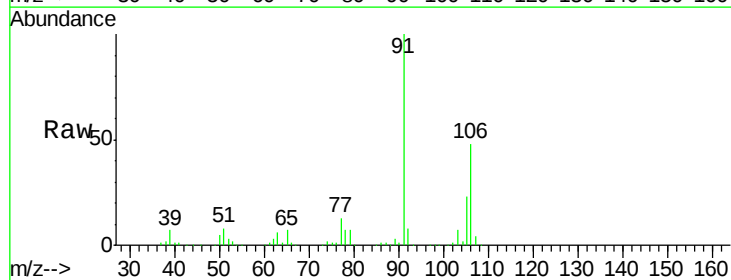
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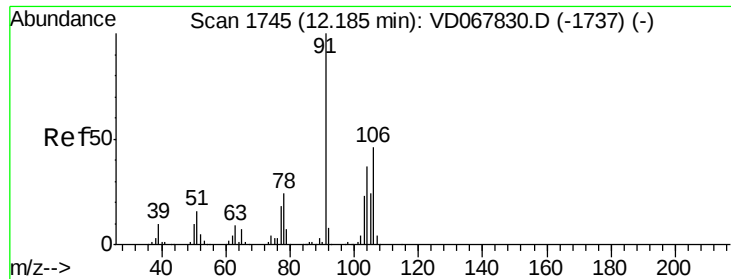
MMDadoda
12/10/2020 10:19:26 AM



#68
m/p-Xylenes
Concen: 96.793 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD067917.D
Acq: 09 Dec 2020 09:54

Tgt Ion: 106 Resp: 348490
Ion Ratio Lower Upper
106 100
91 204.3 162.8 244.2





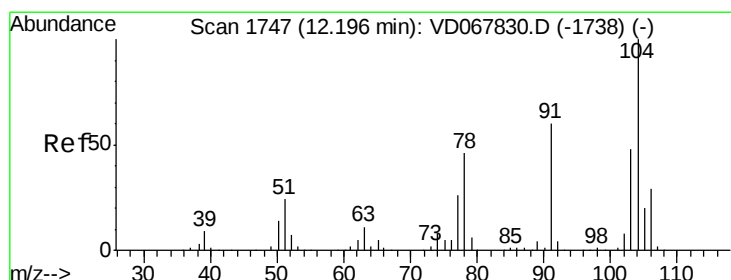
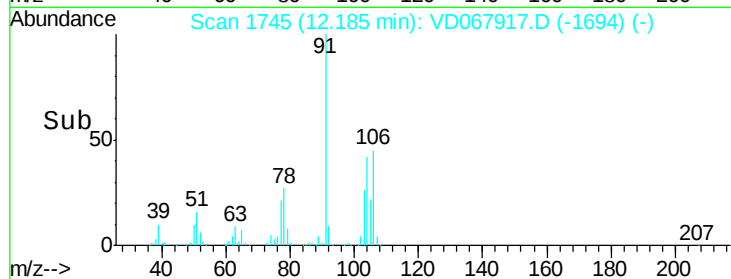
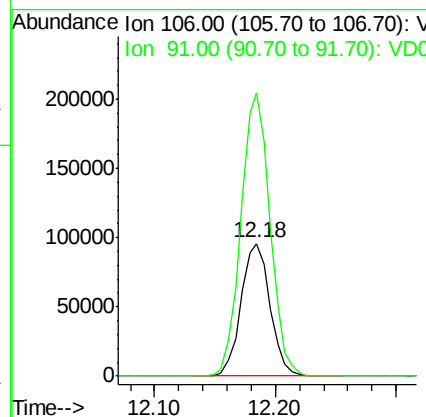
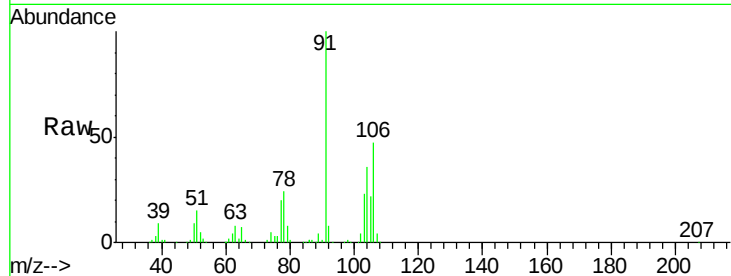
#69
o-Xylene
Concen: 50.153 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD067917.D
Acq: 09 Dec 2020 09:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 160304
Ion Ratio Lower Upper
106 100
91 214.6 107.5 322.5

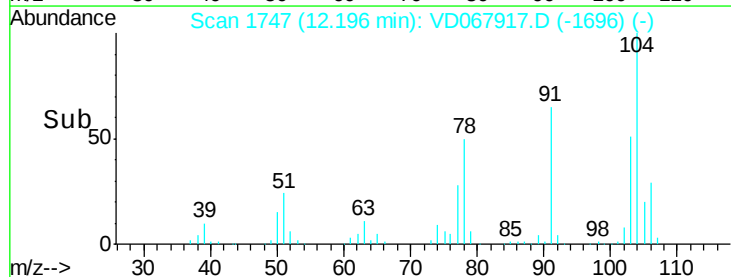
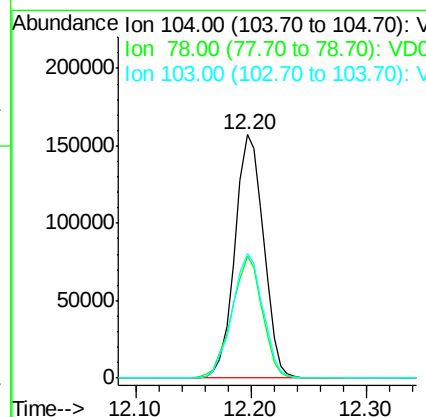
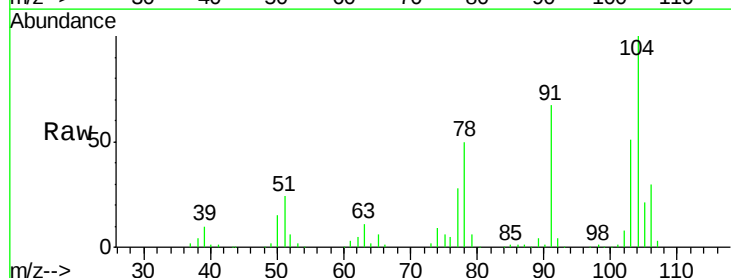
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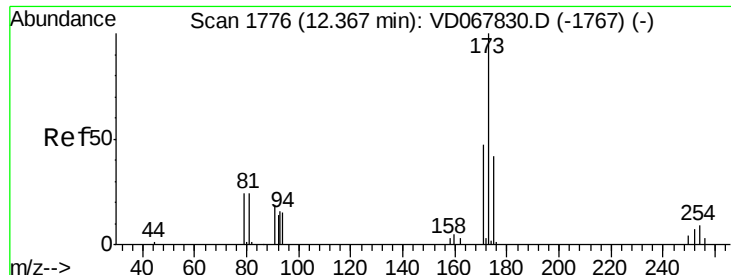
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#70
Styrene
Concen: 48.853 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD067917.D
Acq: 09 Dec 2020 09:54

Tgt Ion:104 Resp: 271518
Ion Ratio Lower Upper
104 100
78 53.1 41.6 62.4
103 54.4 43.2 64.8





#71

Bromoform

Concen: 47.260 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.01 min

Lab File: VD067917.D

Acq: 09 Dec 2020 09:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 54690

Ion Ratio Lower Upper

173 100

175 48.7 23.4 70.3

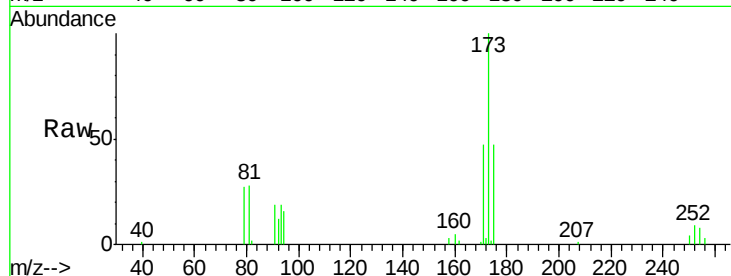
254 0.0 0.1 0.1#

Manual Integrations

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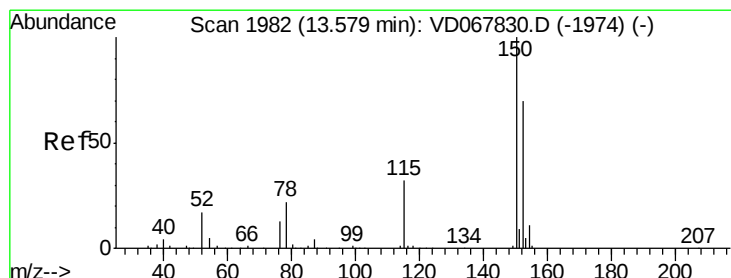
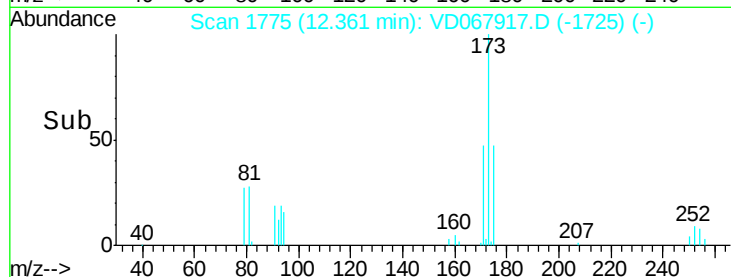
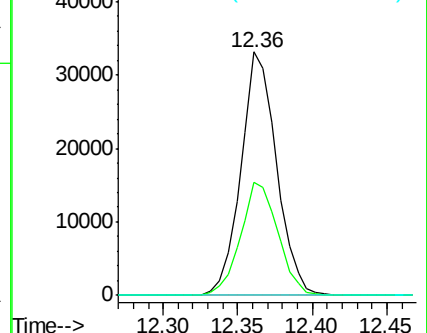
12/10/2020 10:19:26 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD067917.D

Acq: 09 Dec 2020 09:54

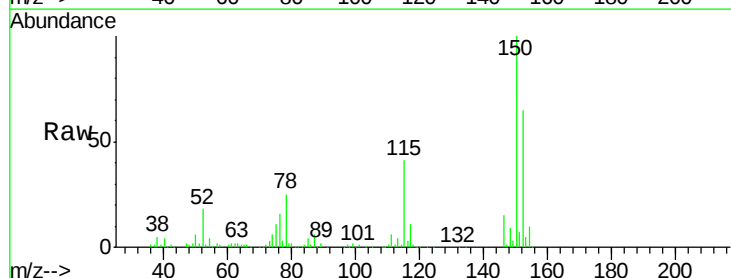
Tgt Ion:152 Resp: 134316

Ion Ratio Lower Upper

152 100

115 59.6 29.1 87.4

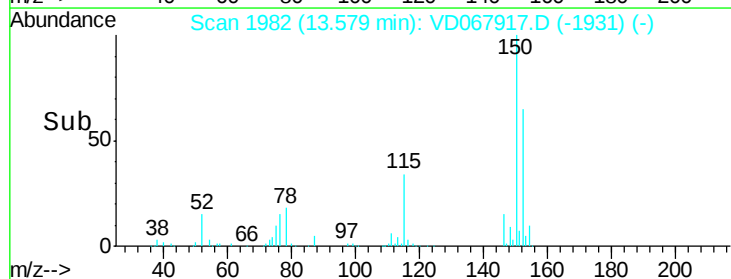
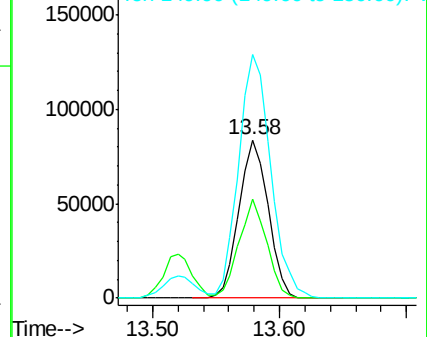
150 168.2 0.0 339.0

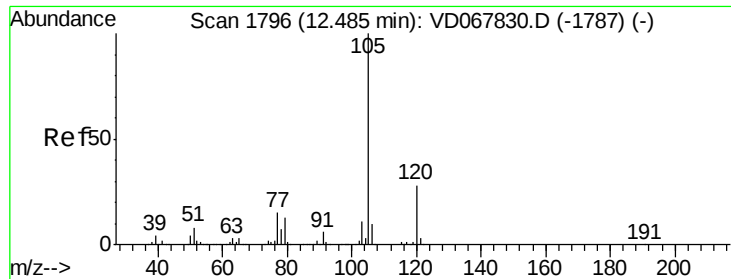


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





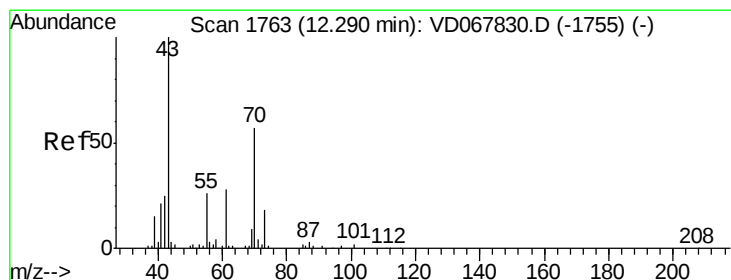
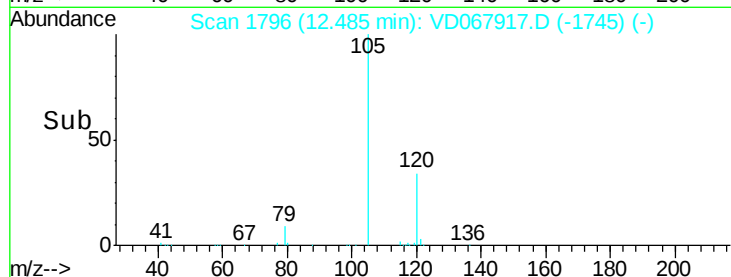
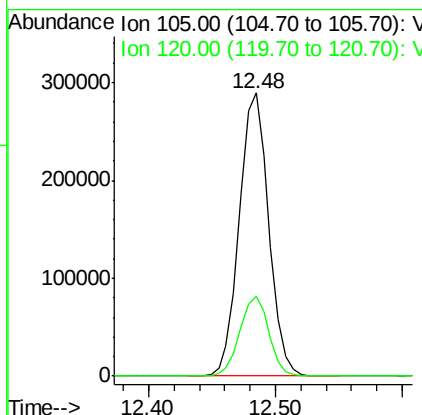
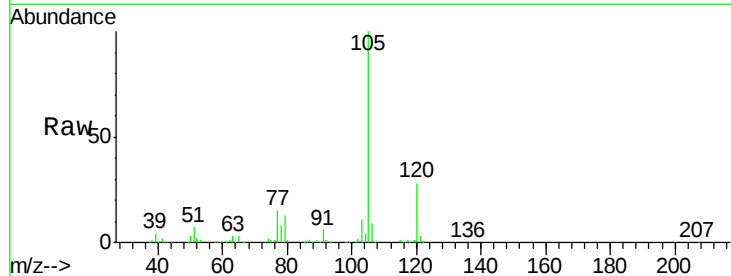
#73
Isopropylbenzene
Concen: 50.277 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VD067917.D
Acq: 09 Dec 2020 09:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.8	13.9	41.6

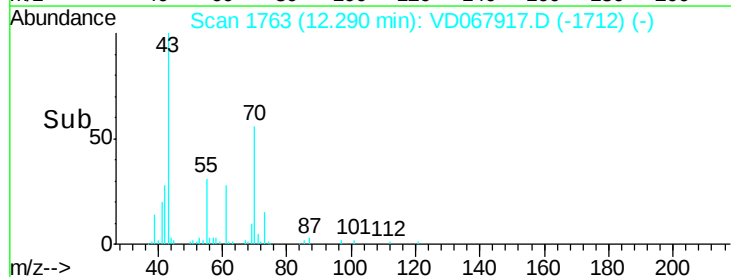
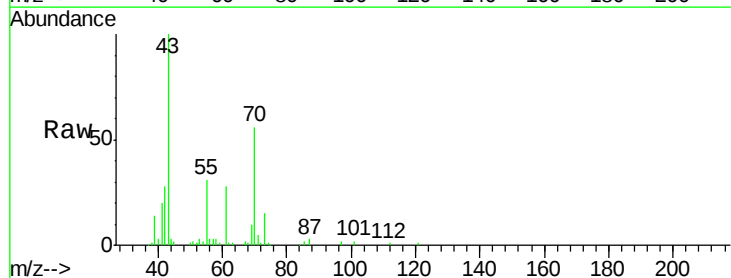
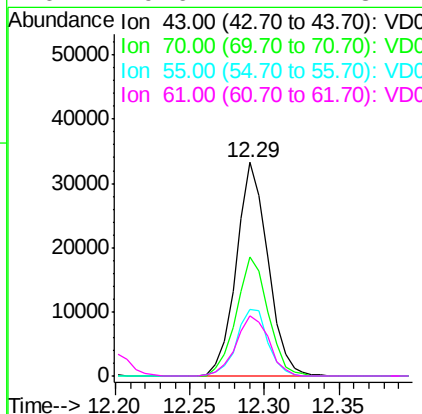
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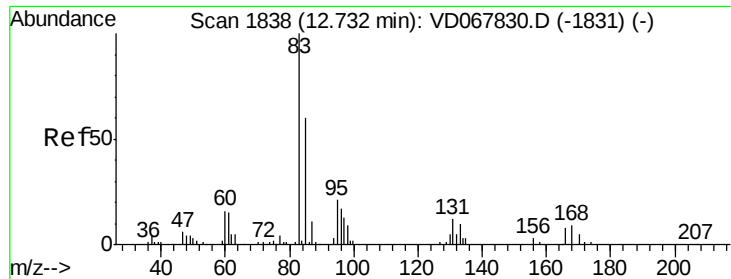
MMDadoda
12/10/2020 10:19:26 AM



#74
N-ethyl acetate
Concen: 42.761 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.00 min
Lab File: VD067917.D
Acq: 09 Dec 2020 09:54

Tgt Ion	Ratio	Lower	Upper
43	100		
70	56.1	44.6	66.8
55	31.0	22.2	33.2
61	29.6	22.7	34.1





#75

1,1,2,2-Tetrachloroethane

Concen: 41.293 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.01 min

Lab File: VD067917.D

Acq: 09 Dec 2020 09:54

Instrument :

MSVOA_D

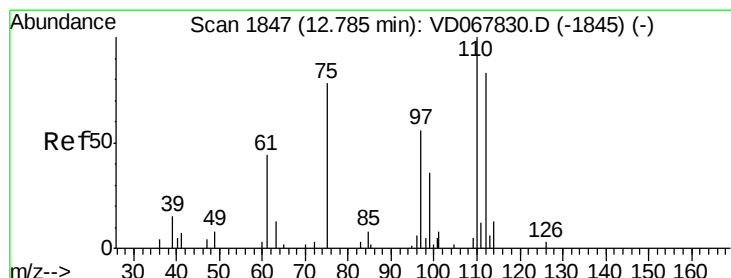
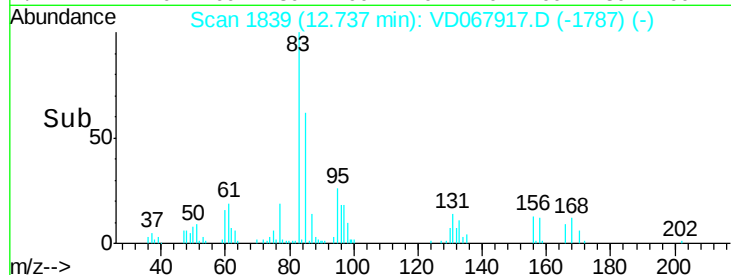
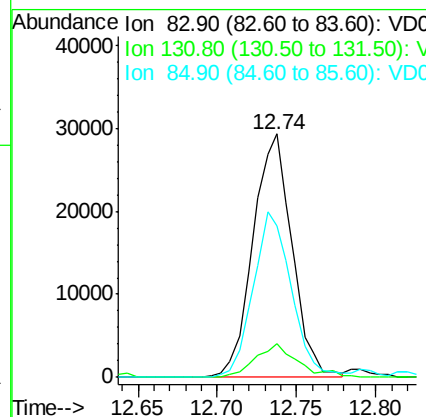
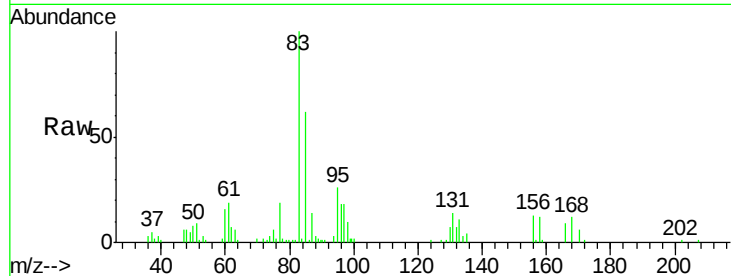
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	50357
Ion Ratio	Lower	Upper	
83	100		
131	15.0	8.0	24.0
85	66.3	31.7	95.1

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 43.710 ug/l m

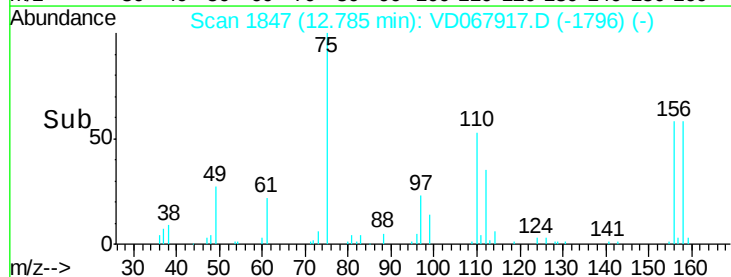
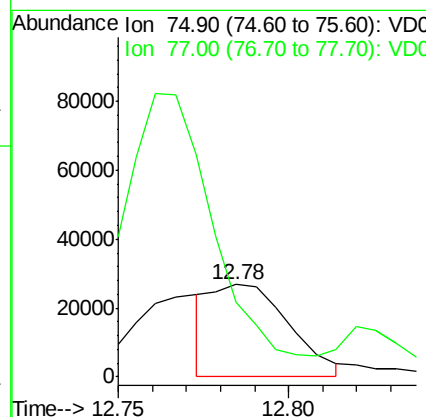
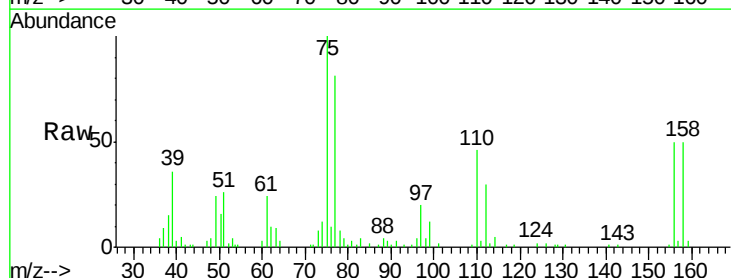
RT: 12.78 min Scan# 1847

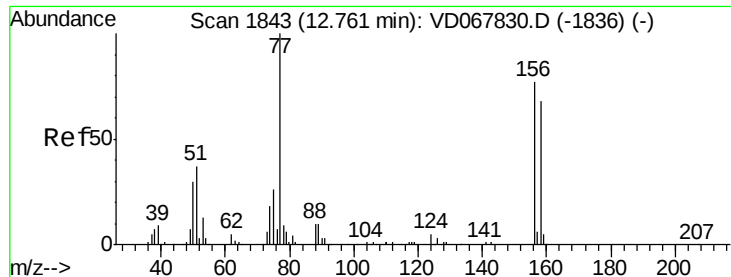
Delta R.T. -0.00 min

Lab File: VD067917.D

Acq: 09 Dec 2020 09:54

Tgt Ion:	75	Resp:	42754
Ion Ratio	Lower	Upper	
75	100		
77	0.0	175.9	527.7#





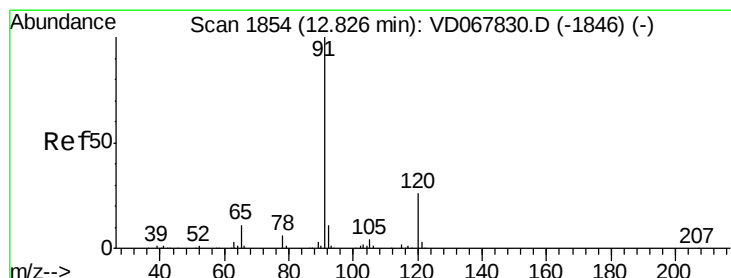
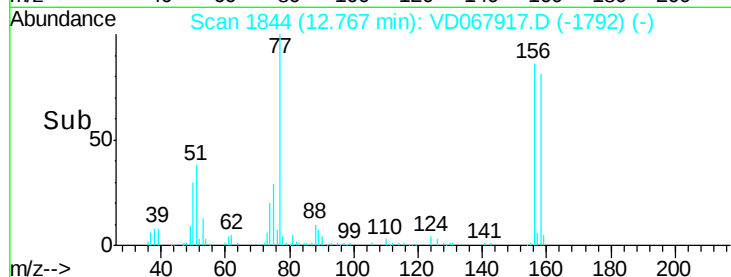
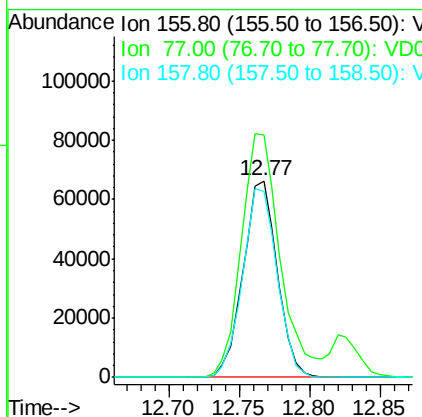
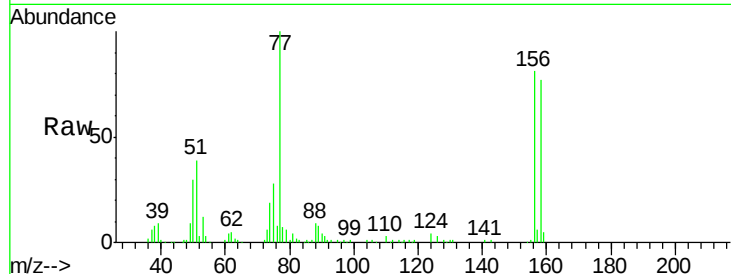
#77
Bromobenzene
Concen: 49.020 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. 0.01 min
Lab File: VD067917.D
Acq: 09 Dec 2020 09:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	141.2	71.5	214.5
158	97.0	47.1	141.4

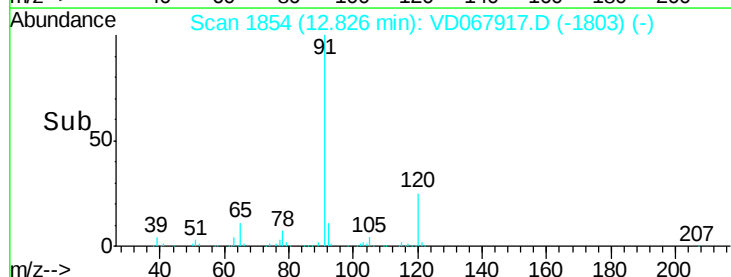
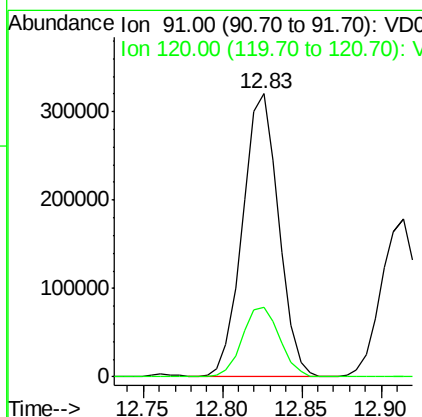
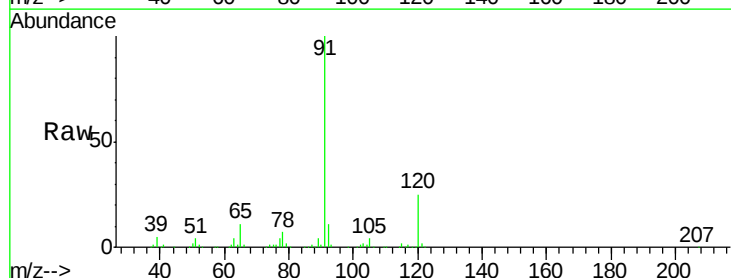
Manual Integrations
APPROVED

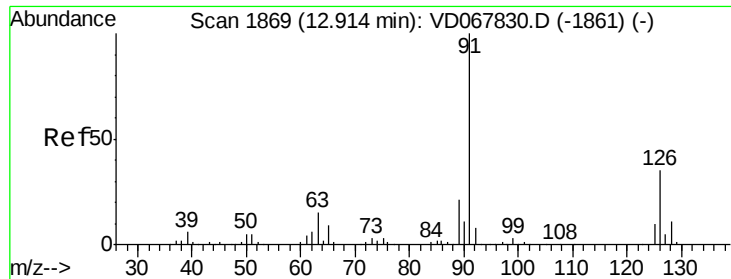
MMDadoda
12/10/2020 10:19:26 AM



#78
n-propylbenzene
Concen: 49.269 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VD067917.D
Acq: 09 Dec 2020 09:54

Tgt Ion	Ratio	Lower	Upper
91	100		
120	25.6	12.7	38.0





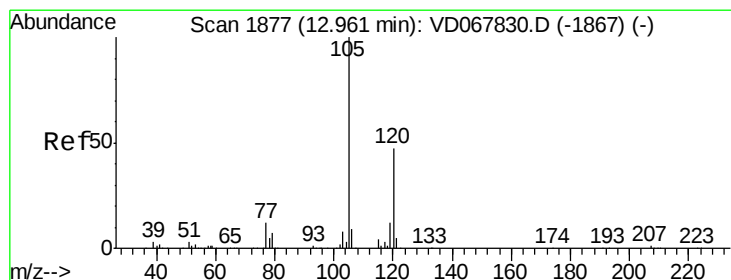
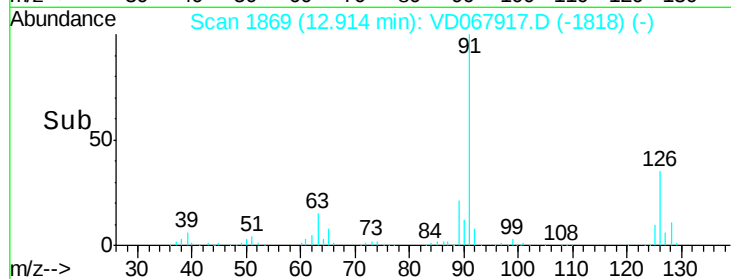
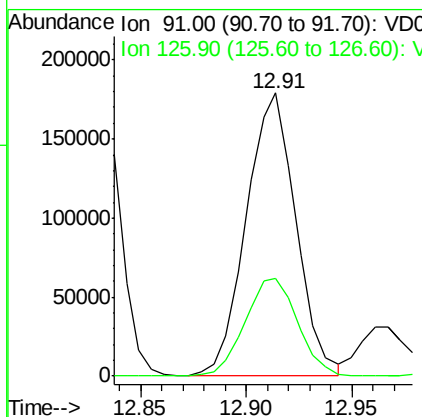
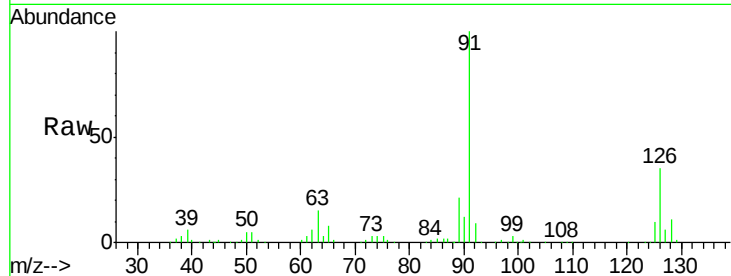
#79
 2-Chlorotoluene
 Concen: 48.283 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VD067917.D
 Acq: 09 Dec 2020 09:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 290799
 Ion Ratio Lower Upper
 91 100
 126 36.7 17.9 53.7

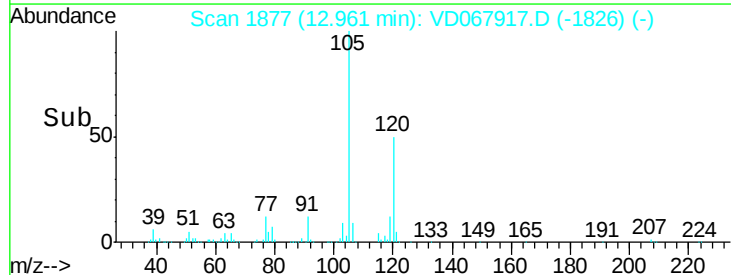
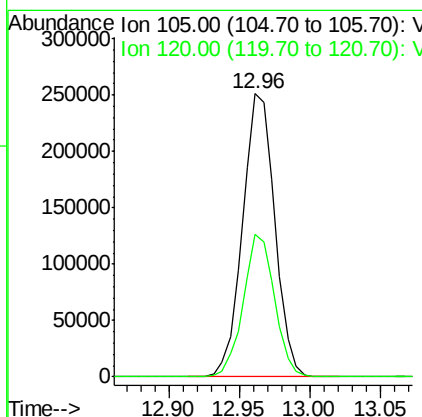
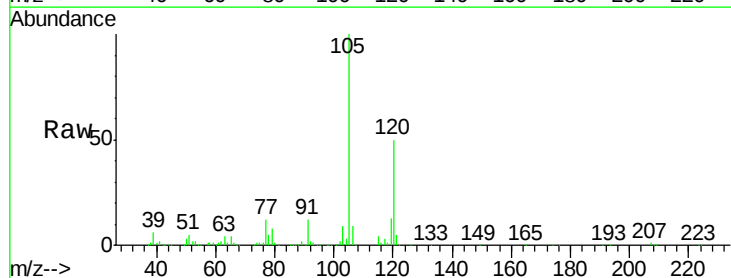
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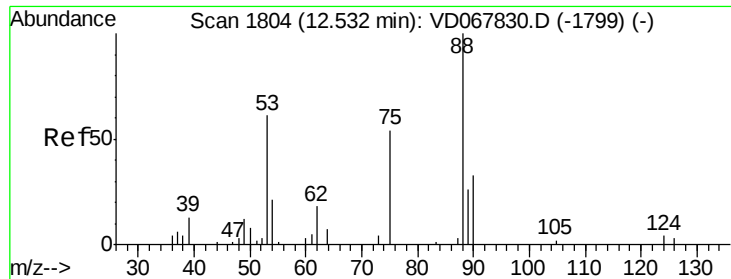
MMDadoda
 12/10/2020 10:19:26 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 50.193 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VD067917.D
 Acq: 09 Dec 2020 09:54

Tgt Ion: 105 Resp: 401411
 Ion Ratio Lower Upper
 105 100
 120 49.0 24.3 72.9





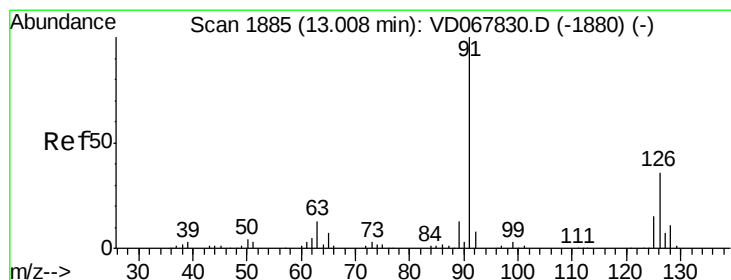
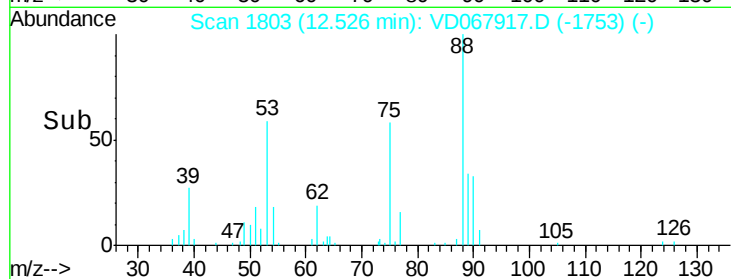
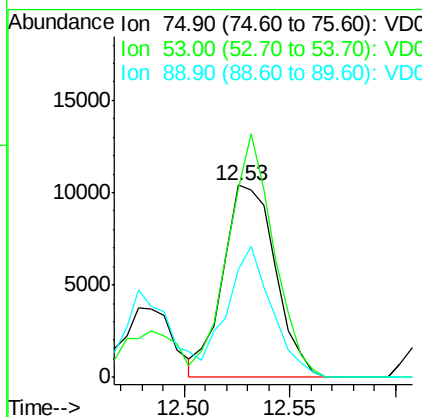
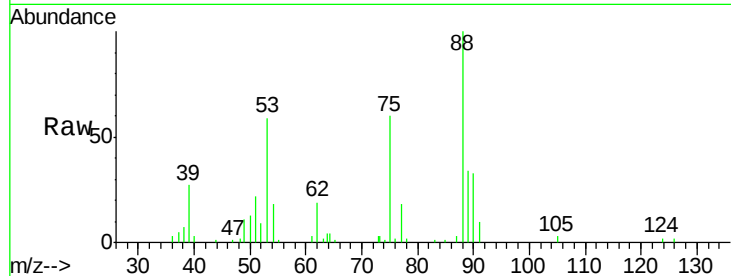
#81
trans-1,4-Dichloro-2-butene
Concen: 43.766 ug/l
RT: 12.53 min Scan# 1803
Delta R.T. -0.01 min
Lab File: VD067917.D
Acq: 09 Dec 2020 09:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	110.5	84.6	127.0
89	58.1	41.0	61.6

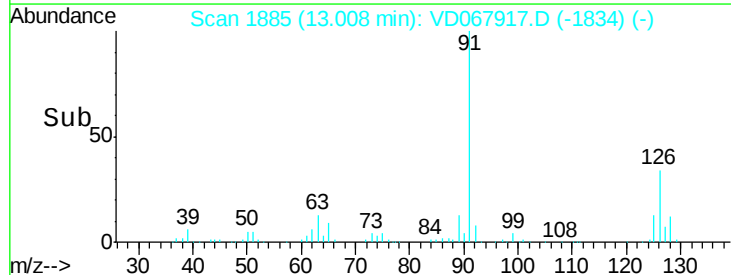
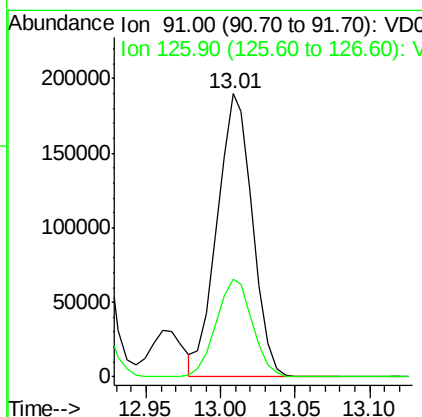
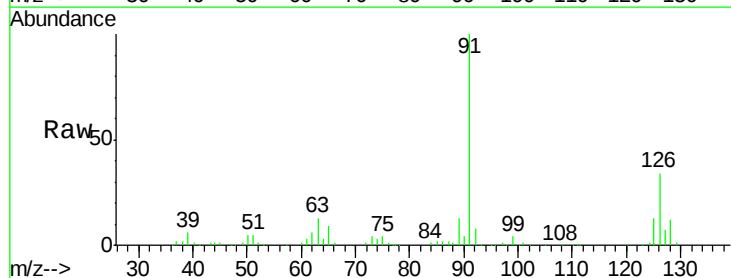
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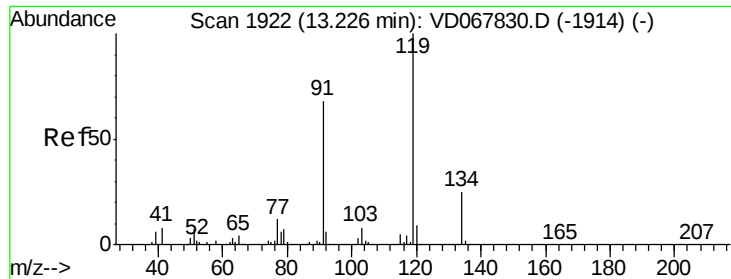
MMDadoda
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#82
4-Chlorotoluene
Concen: 48.709 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VD067917.D
Acq: 09 Dec 2020 09:54

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.4	18.1	54.4





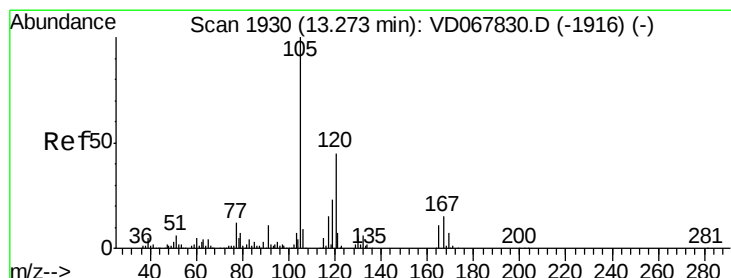
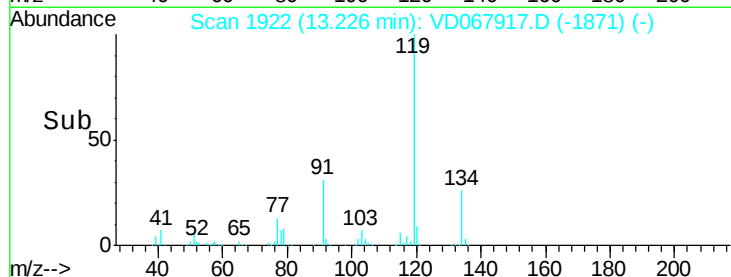
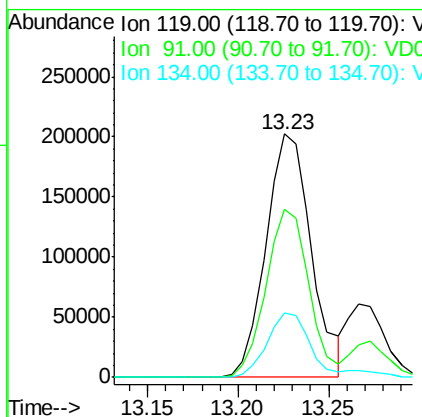
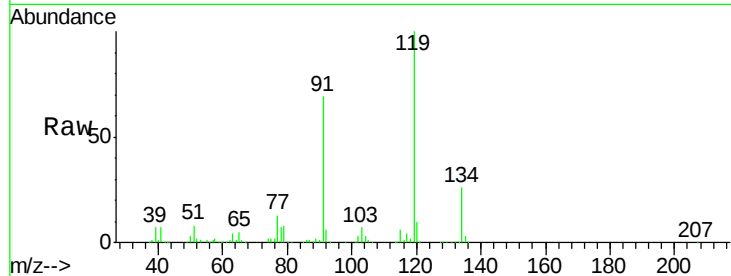
#83
 tert-Butylbenzene
 Concen: 51.879 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VD067917.D
 Acq: 09 Dec 2020 09:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.4	33.1	99.3
134	26.8	13.6	40.8

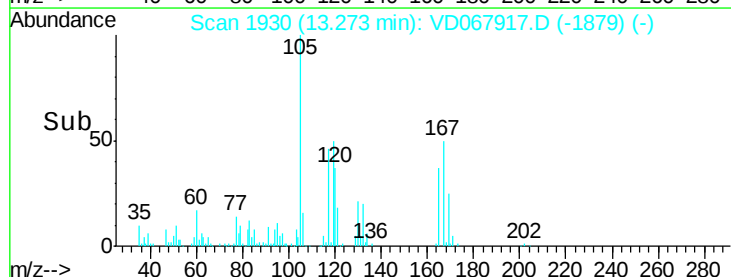
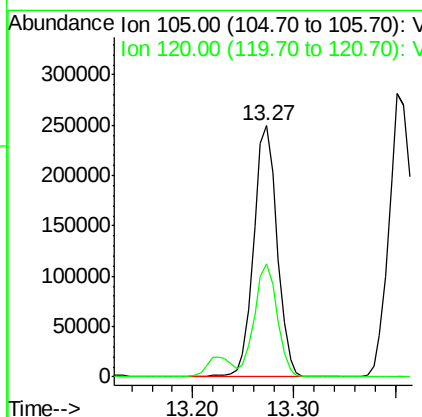
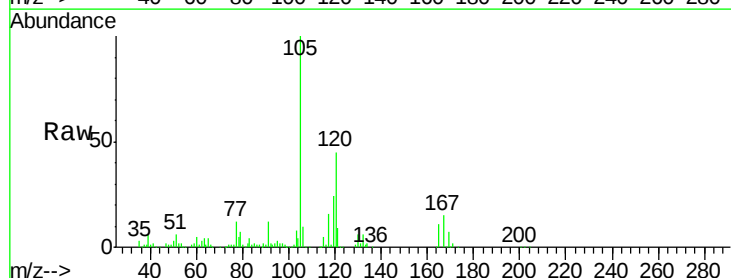
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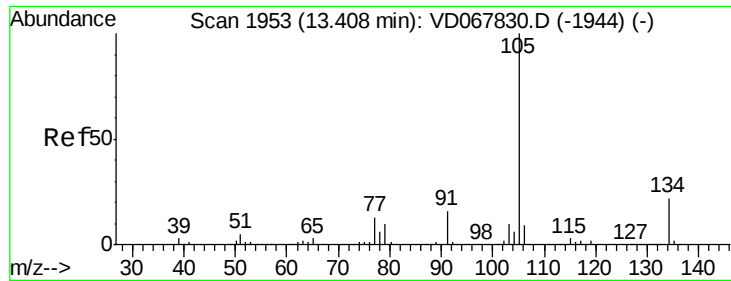
MMDadoda
 12/10/2020 10:19:26 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 50.227 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VD067917.D
 Acq: 09 Dec 2020 09:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.1	66.5





#85

sec-Butylbenzene

Concen: 48.966 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD067917.D

Acq: 09 Dec 2020 09:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 444763

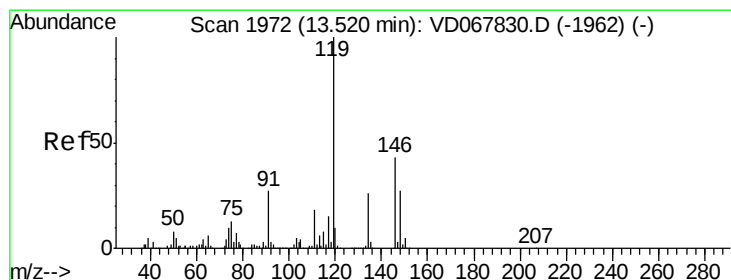
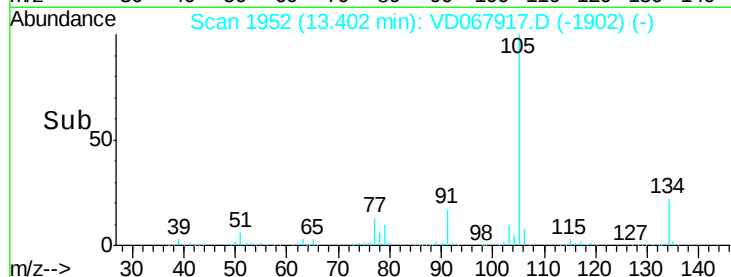
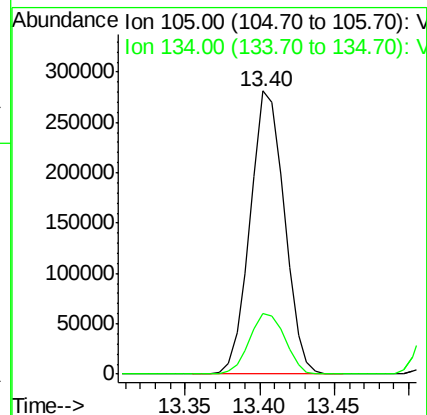
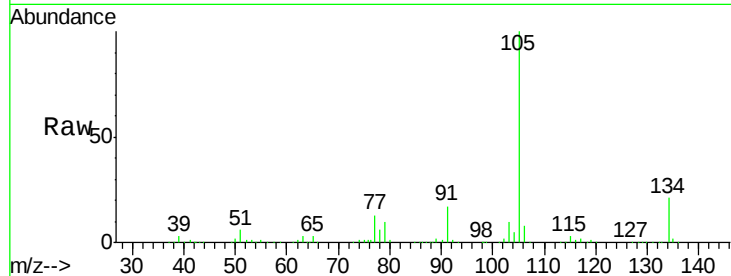
Ion Ratio Lower Upper

105 100

134 22.3 10.9 32.9

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 49.633 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD067917.D

Acq: 09 Dec 2020 09:54

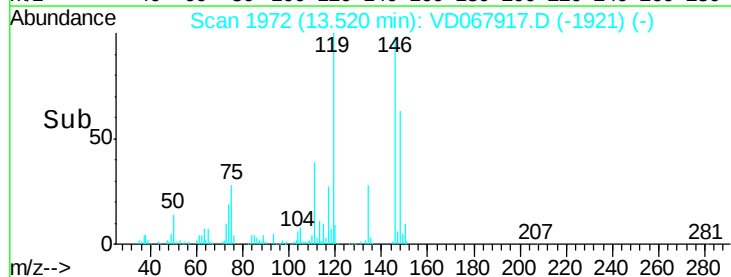
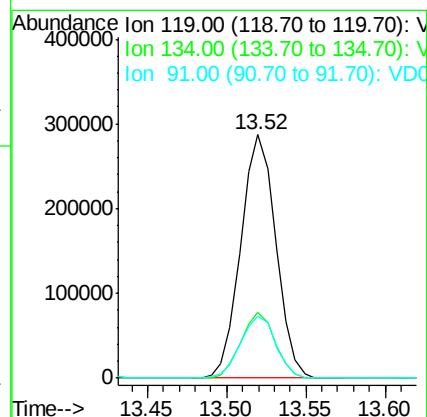
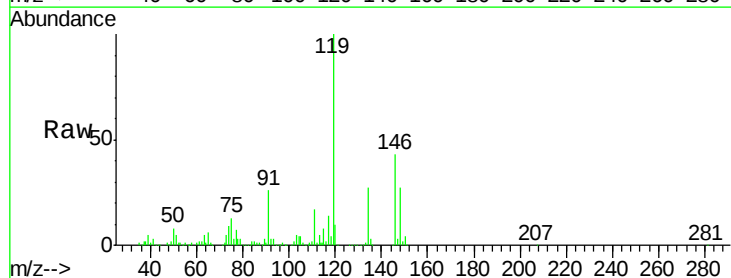
Tgt Ion:119 Resp: 441841

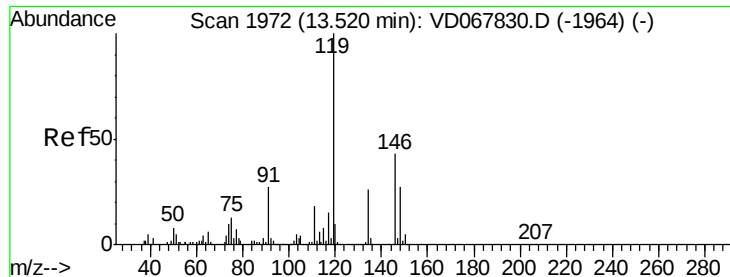
Ion Ratio Lower Upper

119 100

134 26.3 13.1 39.3

91 25.5 12.8 38.3





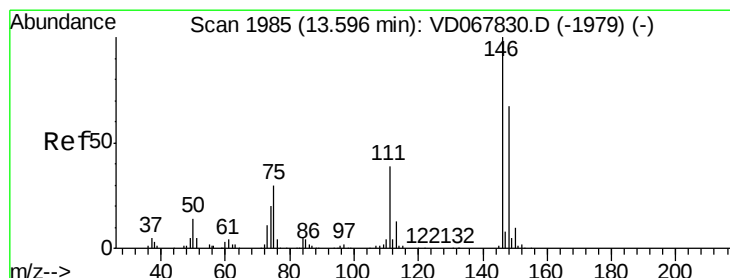
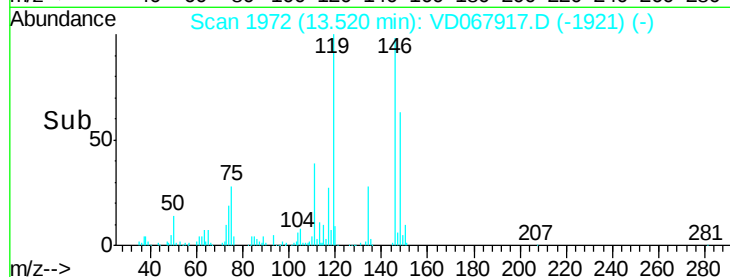
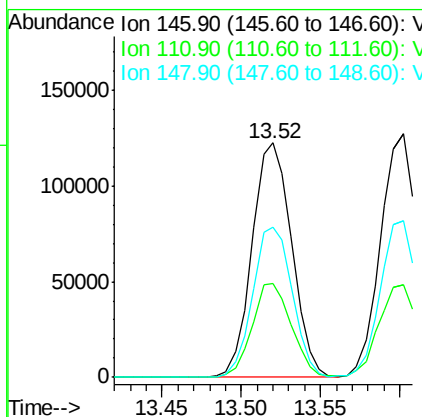
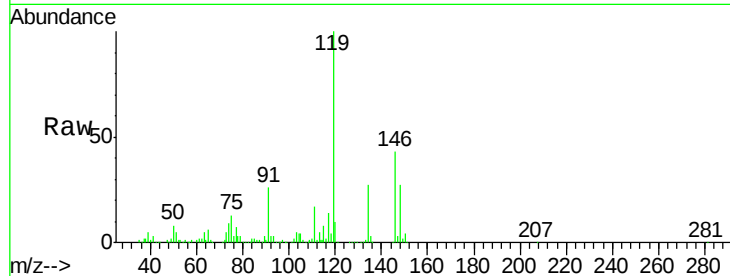
#87
 1,3-Dichlorobenzene
 Concen: 48.096 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD067917.D
 Acq: 09 Dec 2020 09:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.8	62.2
148	63.9	32.9	98.6

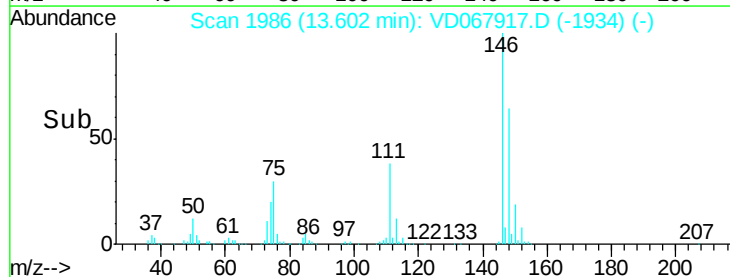
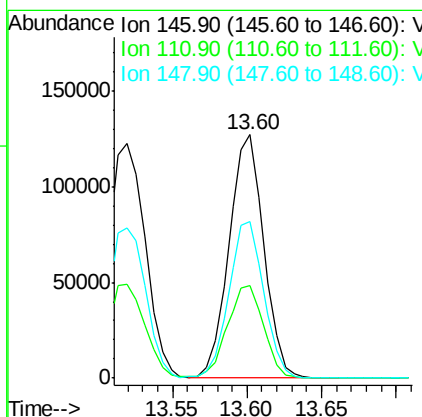
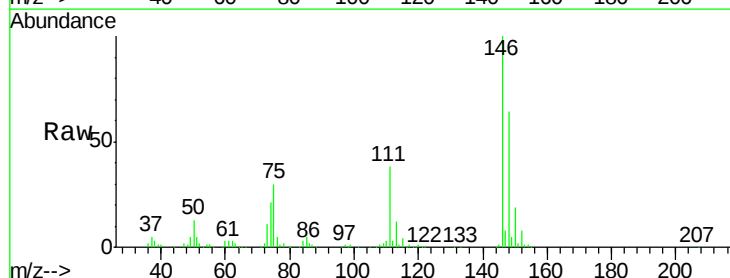
Manual Integrations
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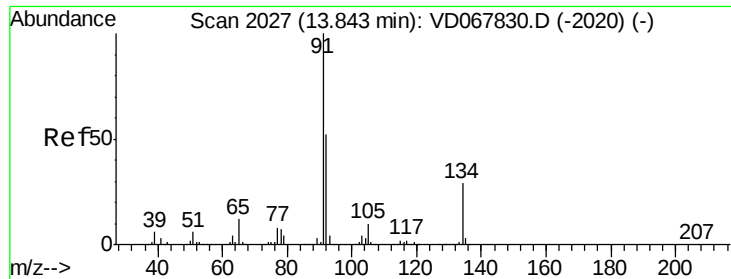
MMDadoda
 12/10/2020 10:19:26 AM



#88
 1,4-Dichlorobenzene
 Concen: 46.608 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.01 min
 Lab File: VD067917.D
 Acq: 09 Dec 2020 09:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.9	59.6
148	65.1	32.4	97.2





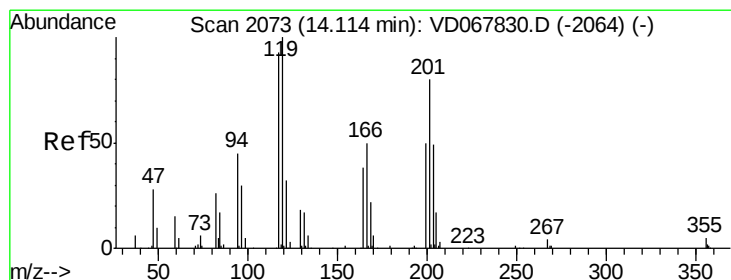
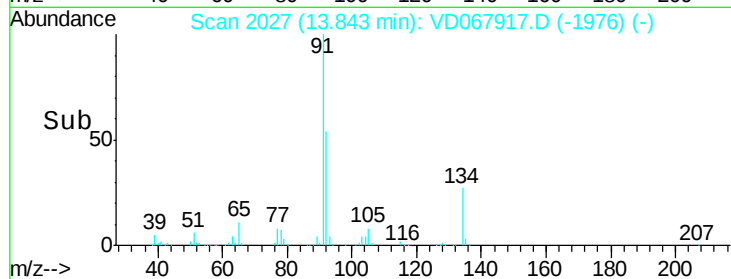
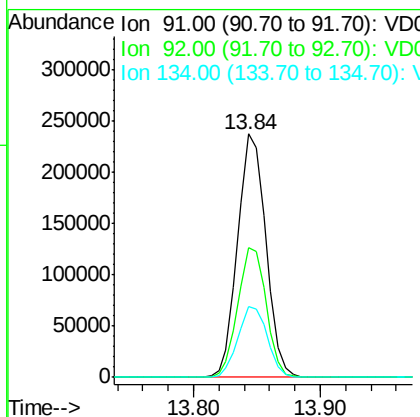
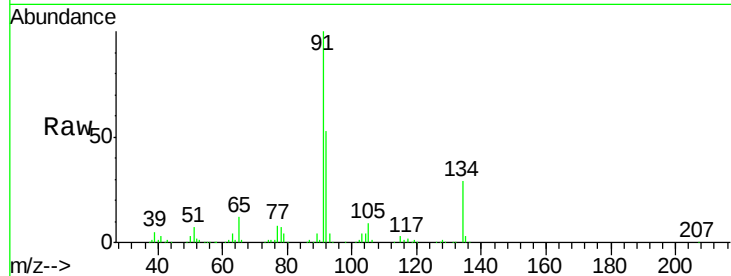
#89
n-Butylbenzene
Concen: 49.574 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.00 min
Lab File: VD067917.D
Acq: 09 Dec 2020 09:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	366637		
92	53.5	26.3	78.8	
134	30.0	14.8	44.3	

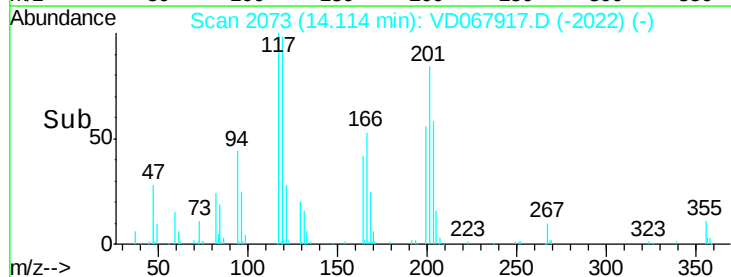
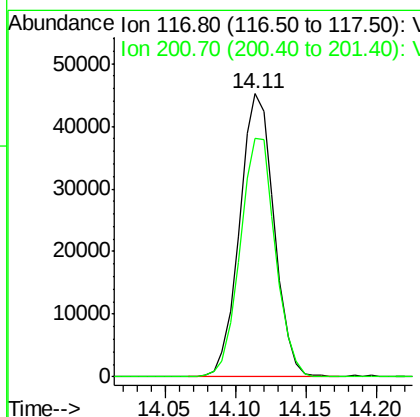
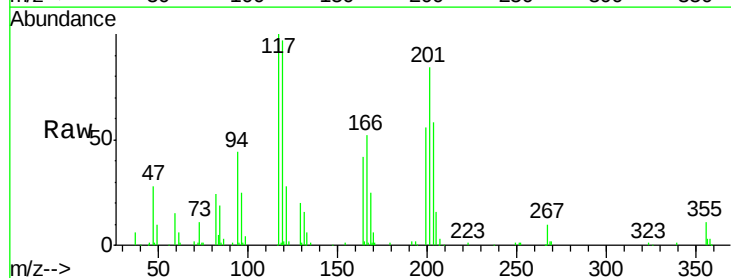
Manual Integrations
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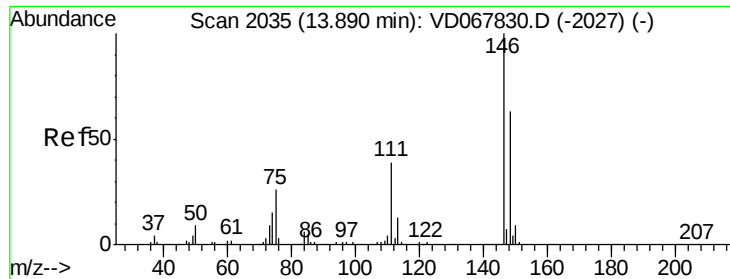
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#90
Hexachloroethane
Concen: 46.900 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD067917.D
Acq: 09 Dec 2020 09:54

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	77081		
201	85.9	43.9	131.6	





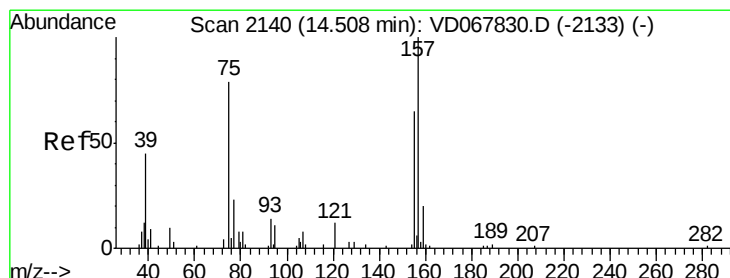
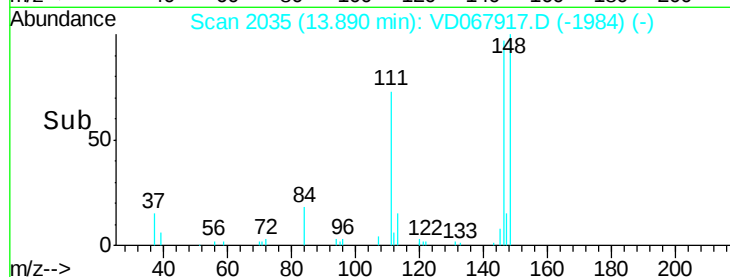
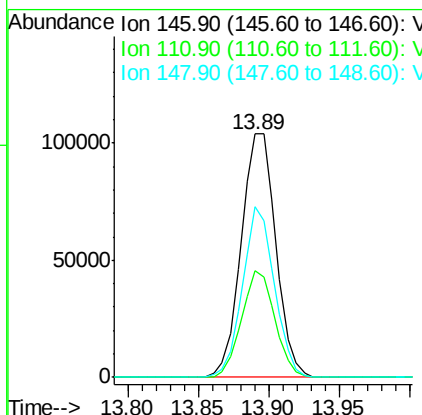
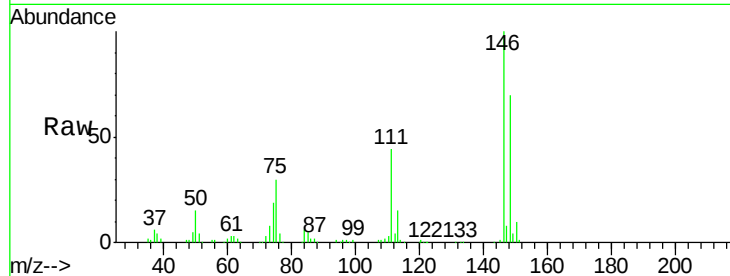
#91
 1,2-Dichlorobenzene
 Concen: 46.572 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD067917.D
 Acq: 09 Dec 2020 09:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.4	61.2
148	64.4	32.1	96.3

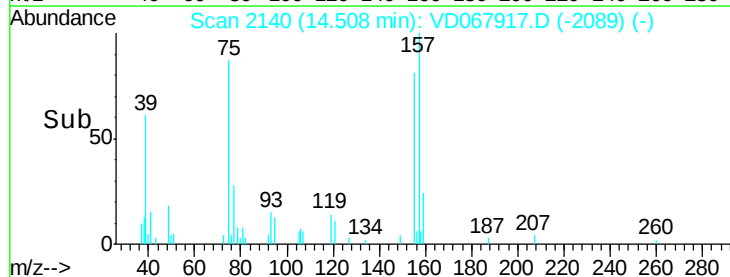
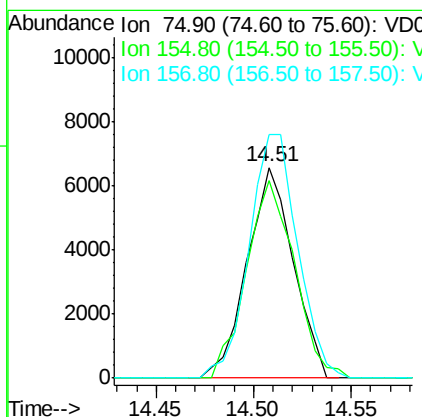
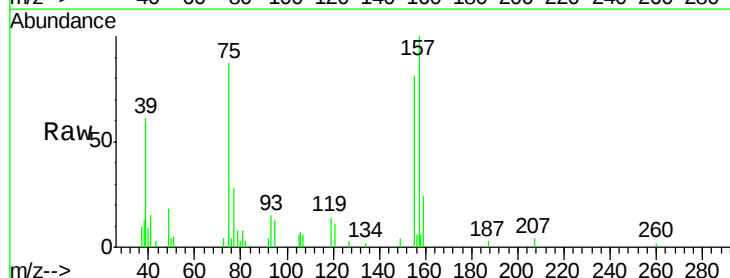
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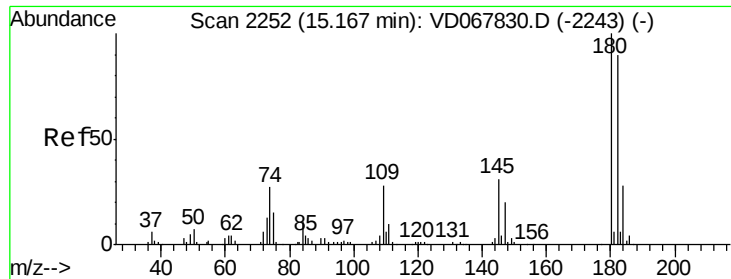
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 42.301 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.00 min
 Lab File: VD067917.D
 Acq: 09 Dec 2020 09:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.3	44.1	132.4
157	121.9	62.4	187.2





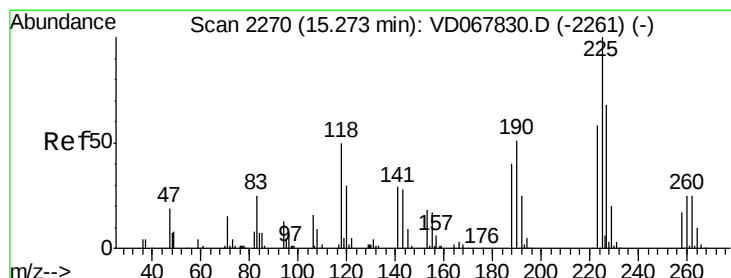
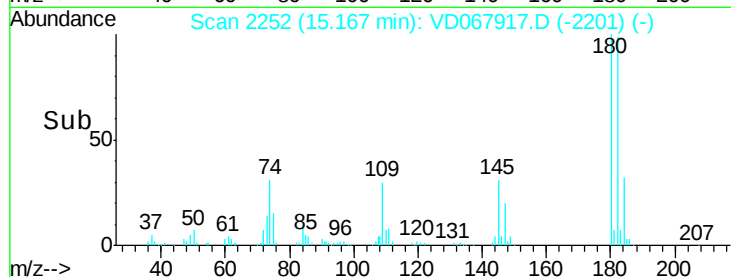
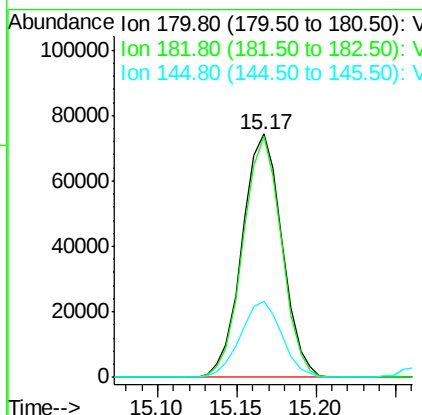
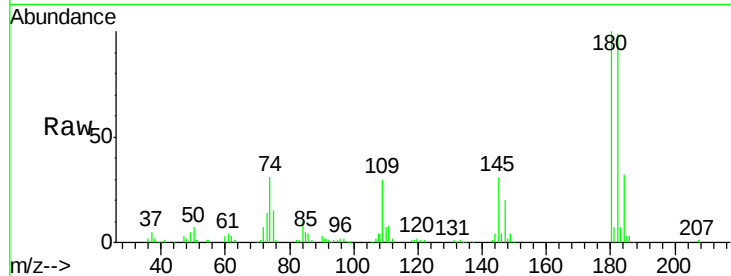
#93
 1,2,4-Trichlorobenzene
 Concen: 48.505 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD067917.D
 Acq: 09 Dec 2020 09:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	130352		
182	95.3	47.5	142.6	
145	32.1	16.4	49.4	

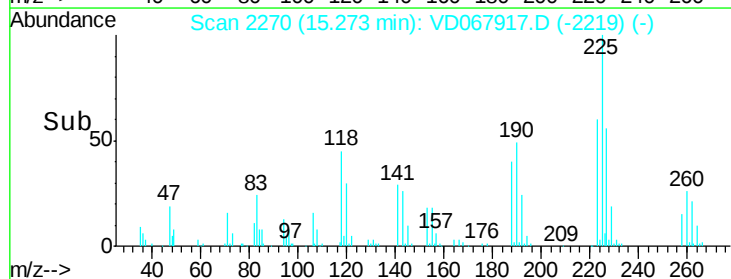
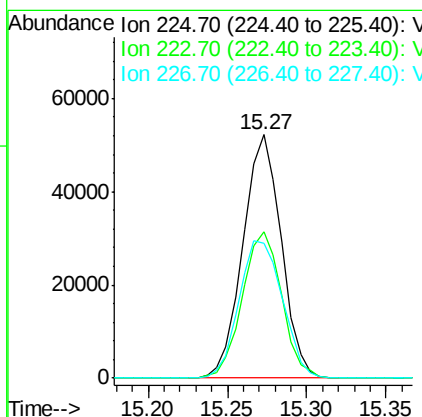
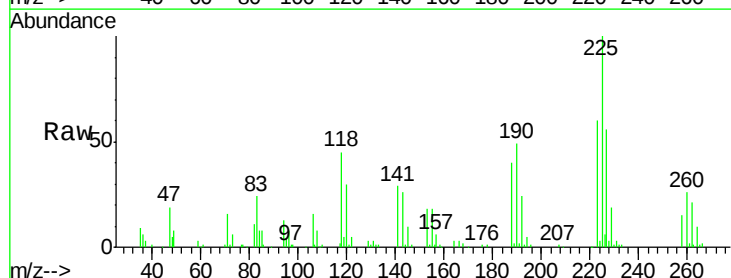
Manual Integrations
 APPROVED

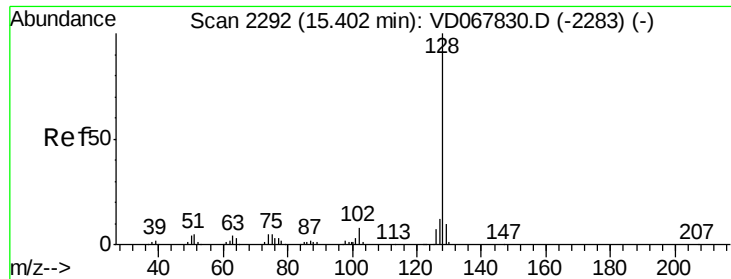
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#94
 Hexachlorobutadiene
 Concen: 50.068 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD067917.D
 Acq: 09 Dec 2020 09:54

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	87799		
223	61.7	31.1	93.3	
227	64.2	33.1	99.3	





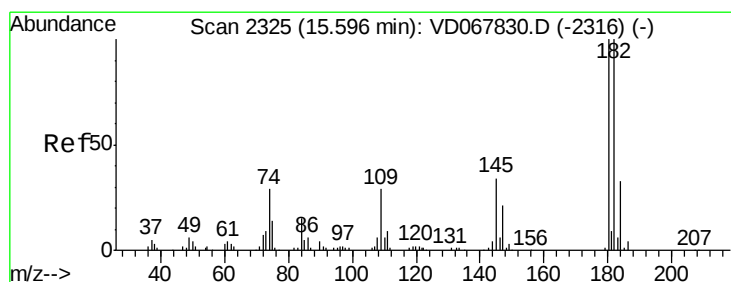
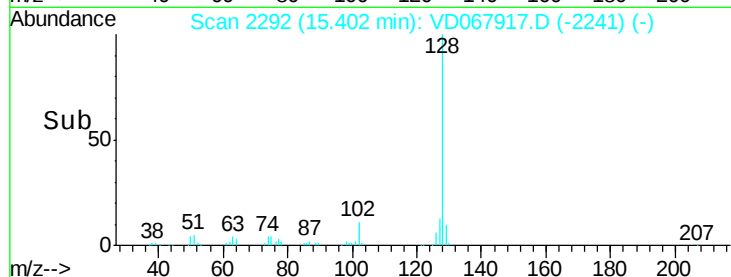
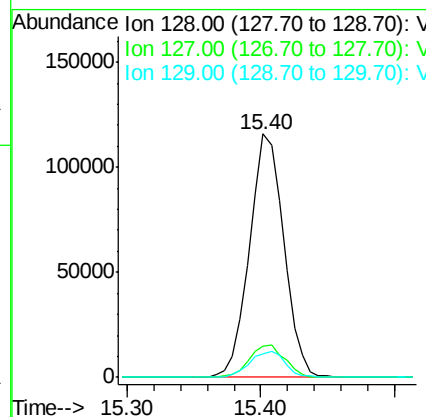
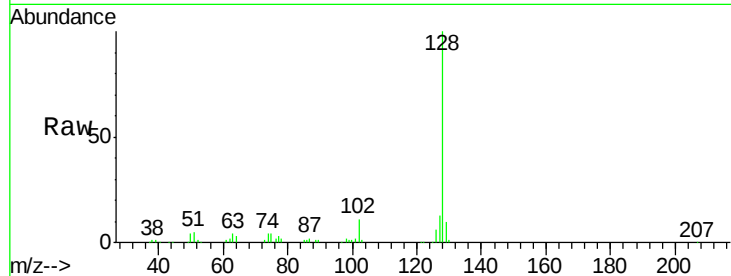
#95
Naphthalene
Concen: 47.024 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. -0.00 min
Lab File: VD067917.D
Acq: 09 Dec 2020 09:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.6	15.8
129	11.0	9.0	13.6

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 47.222 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. -0.00 min
Lab File: VD067917.D
Acq: 09 Dec 2020 09:54

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.8	47.3	142.0
145	33.8	16.8	50.4

