

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110520\
 Data File : VD067533.D
 Acq On : 05 Nov 2020 09:46
 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
 11/6/2020 9:24:26 AM

Quant Time: Nov 06 00:24:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	347038	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	491817	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	445424	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	224663	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	131730	43.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.82%	
35) Dibromofluoromethane	7.92	113	134426	45.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.74%	
50) Toluene-d8	10.34	98	472015	45.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.66%	
62) 4-Bromofluorobenzene	12.64	95	166823	46.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	135355	48.001	ug/l	97
3) Chloromethane	2.21	50	96407	44.611	ug/l	98
4) Vinyl Chloride	2.35	62	104031	43.177	ug/l	97
5) Bromomethane	2.77	94	86129	44.104	ug/l	99
6) Chloroethane	2.93	64	64743	43.585	ug/l	93
7) Trichlorofluoromethane	3.28	101	284515	45.606	ug/l	97
8) Diethyl Ether	3.71	74	56437	44.896	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	146352	46.475	ug/l	100
10) Methyl Iodide	4.30	142	149792	44.382	ug/l	99
11) Tert butyl alcohol	5.21	59	31353	238.862	ug/l	97
12) 1,1-Dichloroethene	4.07	96	133161	45.972	ug/l	95
13) Acrolein	3.93	56	31546	236.009	ug/l	98
14) Allyl chloride	4.71	41	139857	45.115	ug/l	99
15) Acrylonitrile	5.42	53	105608	227.272	ug/l	99
16) Acetone	4.16	43	108600	239.159	ug/l	90
17) Carbon Disulfide	4.41	76	399901	45.055	ug/l	99
18) Methyl Acetate	4.71	43	40882	43.568	ug/l	97
19) Methyl tert-butyl Ether	5.47	73	263953	46.198	ug/l	95
20) Methylene Chloride	4.96	84	138098	43.053	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	152470	45.193	ug/l	97
22) Diisopropyl ether	6.37	45	280564	46.442	ug/l	98
23) Vinyl Acetate	6.30	43	773548	244.621	ug/l	99
24) 1,1-Dichloroethane	6.26	63	222059	44.931	ug/l	96
25) 2-Butanone	7.21	43	114006	234.963	ug/l	99
26) 2,2-Dichloropropane	7.21	77	245981	47.159	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	162906	46.521	ug/l	97
28) Bromochloromethane	7.54	49	81565	46.398	ug/l	93
29) Tetrahydrofuran	7.57	42	71164	244.851	ug/l	99
30) Chloroform	7.71	83	272973	46.298	ug/l	96
31) Cyclohexane	7.99	56	197582	44.894	ug/l	92
32) 1,1,1-Trichloroethane	7.90	97	275680	45.317	ug/l	99
36) 1,1-Dichloropropene	8.11	75	201868	47.951	ug/l	99
37) Ethyl Acetate	7.29	43	50592	46.289	ug/l	98
38) Carbon Tetrachloride	8.10	117	268922	49.165	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	251939	50.846	ug/l	98
40) Benzene	8.36	78	556688	48.817	ug/l	100
41) Methacrylonitrile	7.53	41	30573m	46.797	ug/l	
42) 1,2-Dichloroethane	8.43	62	168505	47.826	ug/l	100
43) Isopropyl Acetate	8.45	43	101823	47.107	ug/l	99
44) Trichloroethene	9.11	130	178961	47.728	ug/l	96
45) 1,2-Dichloropropane	9.39	63	117974	47.849	ug/l	95
46) Dibromomethane	9.48	93	77167	49.225	ug/l	98
47) Bromodichloromethane	9.67	83	209264	49.113	ug/l	98
48) Methyl methacrylate	9.46	41	56338	50.480	ug/l	98
49) 1,4-Dioxane	9.46	88	15670	984.648	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	261451	252.912	ug/l	98
52) Toluene	10.41	92	378438	49.546	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	179235	49.115	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	203847	47.016	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	100129	48.274	ug/l	95
56) Ethyl methacrylate	10.66	69	106945	49.929	ug/l	96
57) 1,3-Dichloropropane	10.95	76	162713	48.749	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	247952	248.236	ug/l	99
59) 2-Hexanone	10.99	43	194797	269.500	ug/l	99
60) Dibromochloromethane	11.14	129	151894	49.504	ug/l	99
61) 1,2-Dibromoethane	11.25	107	101132	48.580	ug/l	99
64) Tetrachloroethene	10.88	164	161829	49.057	ug/l	95
65) Chlorobenzene	11.67	112	417766	48.690	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	164092	48.524	ug/l	99
67) Ethyl Benzene	11.75	91	733061	49.929	ug/l	100
68) m/p-Xylenes	11.86	106	571675	100.083	ug/l	99
69) o-Xylene	12.18	106	257271	50.447	ug/l	98
70) Styrene	12.20	104	437694	49.253	ug/l	99
71) Bromoform	12.37	173	83416	48.366	ug/l #	99
73) Isopropylbenzene	12.48	105	738507	50.863	ug/l	99
74) N-amyl acetate	12.29	43	93748	49.069	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	96060	48.517	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	72622m	53.584	ug/l	
77) Bromobenzene	12.77	156	174494	48.935	ug/l	97
78) n-propylbenzene	12.83	91	845270	50.896	ug/l	100
79) 2-Chlorotoluene	12.91	91	472124	50.045	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	633365	51.064	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	31034	46.490	ug/l	96
82) 4-Chlorotoluene	13.01	91	506663	50.075	ug/l	99
83) tert-Butylbenzene	13.23	119	550403	52.360	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	625791	50.686	ug/l	97
85) sec-Butylbenzene	13.41	105	729092	51.379	ug/l	99
86) p-Isopropyltoluene	13.52	119	702517	51.266	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	332706	48.898	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	324829	47.148	ug/l	99
89) n-Butylbenzene	13.85	91	612988	51.788	ug/l	100
90) Hexachloroethane	14.11	117	128024	49.610	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	285769	48.528	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	16648	47.491	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	195775	48.983	ug/l	99
94) Hexachlorobutadiene	15.27	225	133193	49.793	ug/l	98
95) Naphthalene	15.40	128	316324	51.285	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	167368	48.901	ug/l	98

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

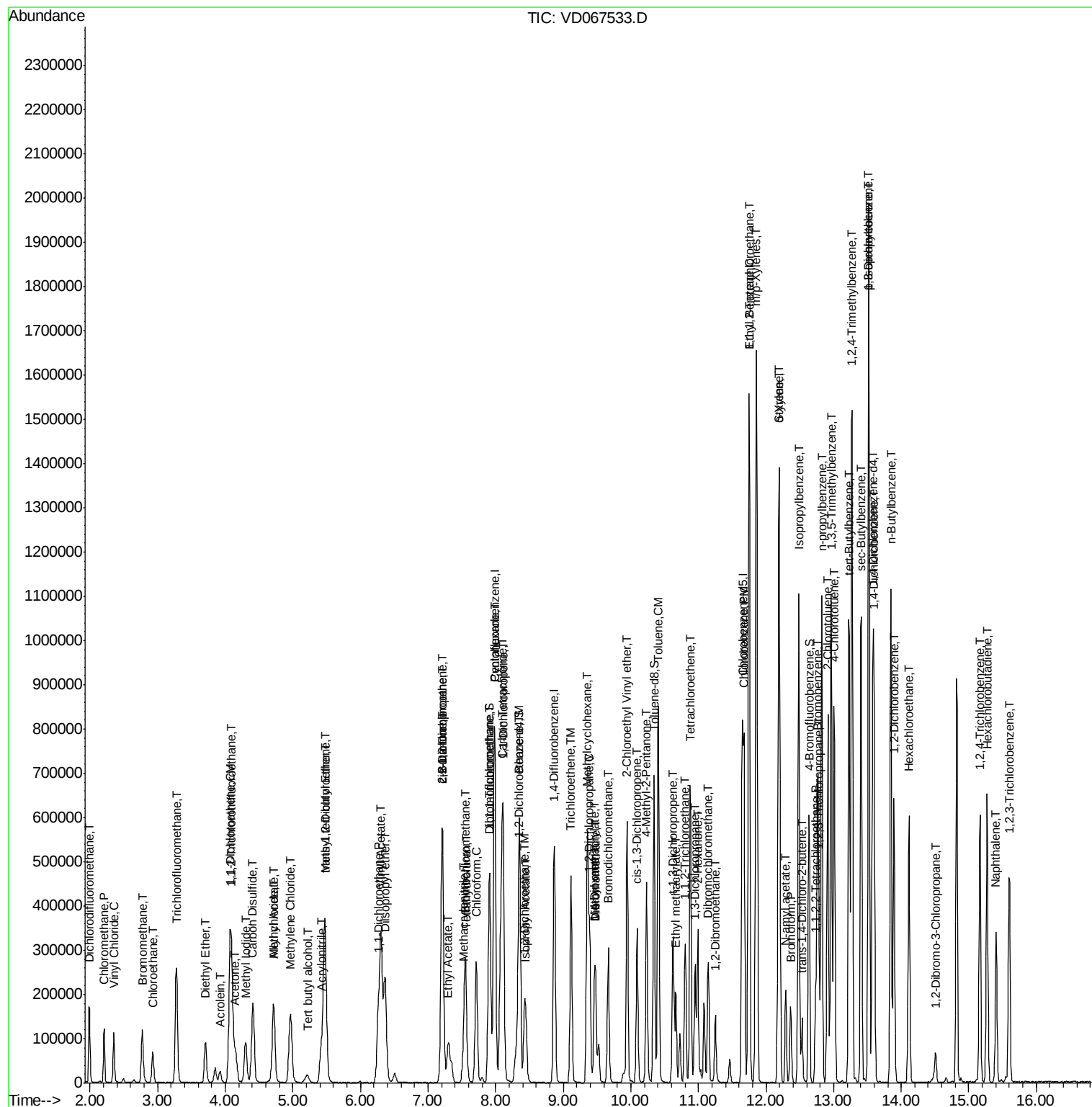
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 Acq On : 05 Nov 2020 09:46
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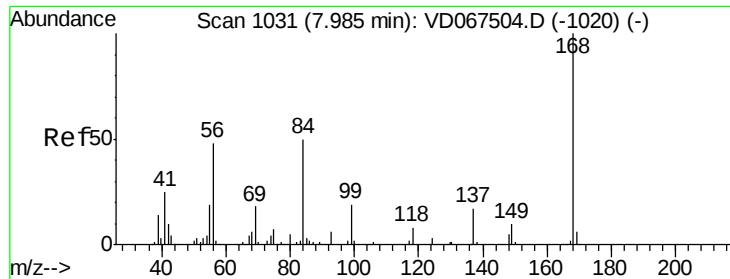
Instrument :
 MSVOA_D
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Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067533.D

Acq: 05 Nov 2020 09:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 347038

Ion Ratio Lower Upper

168 100

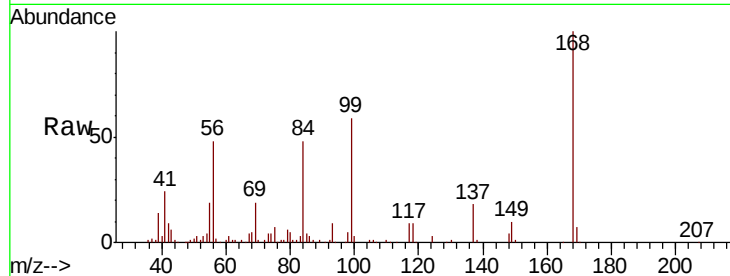
99 58.1 45.0 67.6

Manual Integrations

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11/6/2020 9:24:26 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

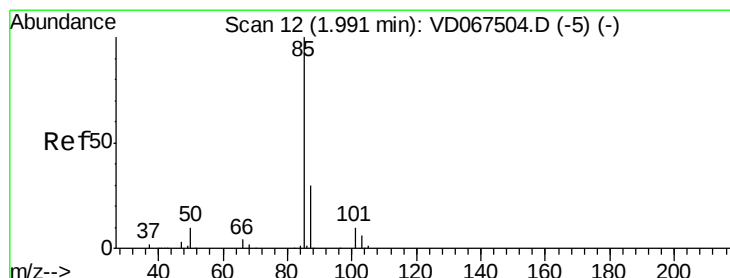
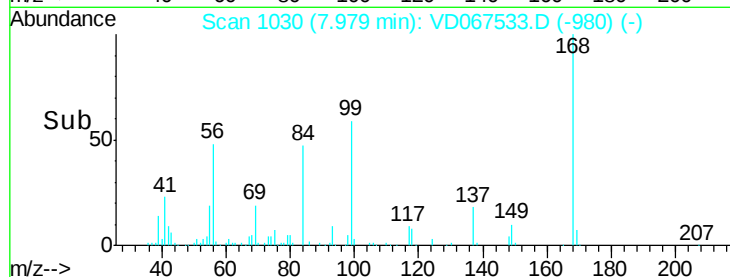
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50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 48.001 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD067533.D

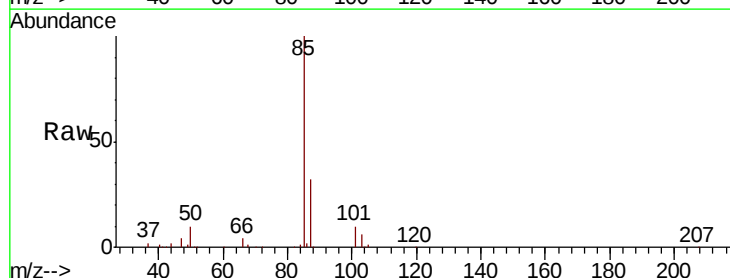
Acq: 05 Nov 2020 09:46

Tgt Ion: 85 Resp: 135355

Ion Ratio Lower Upper

85 100

87 32.4 15.3 45.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

100000

80000

60000

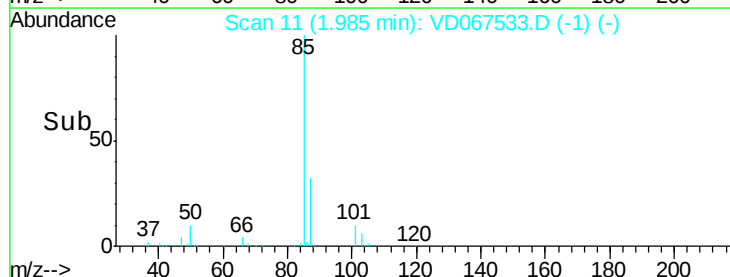
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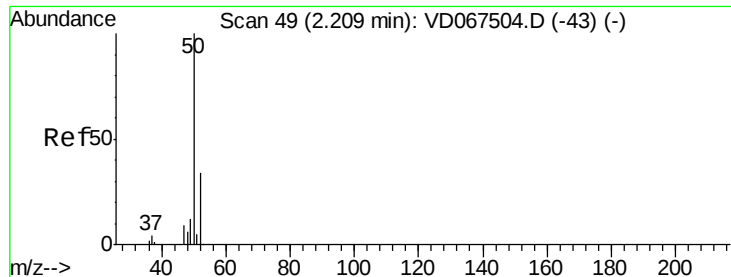
20000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 44.611 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067533.D

Acq: 05 Nov 2020 09:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 96407

Ion Ratio Lower Upper

50 100

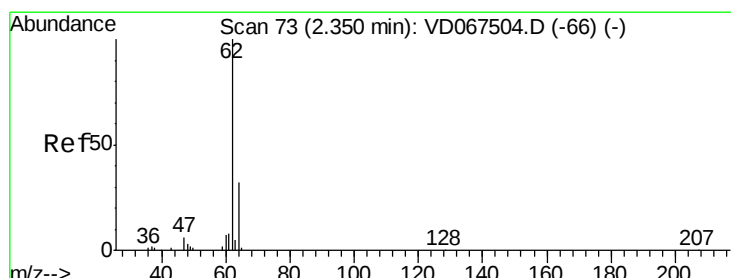
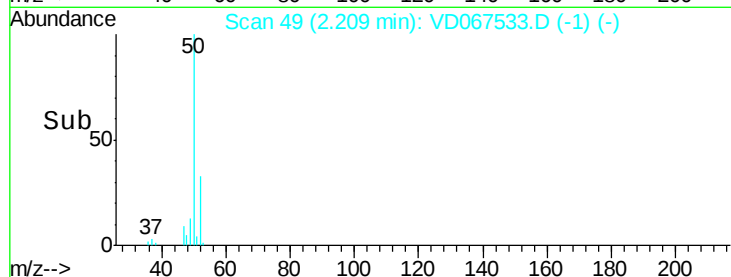
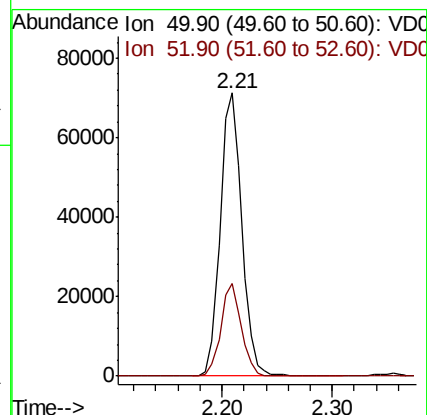
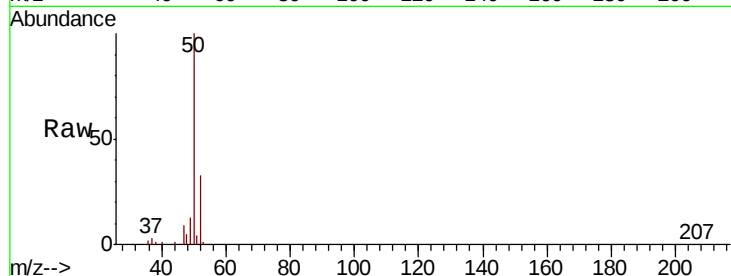
52 32.8 27.3 40.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 43.177 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067533.D

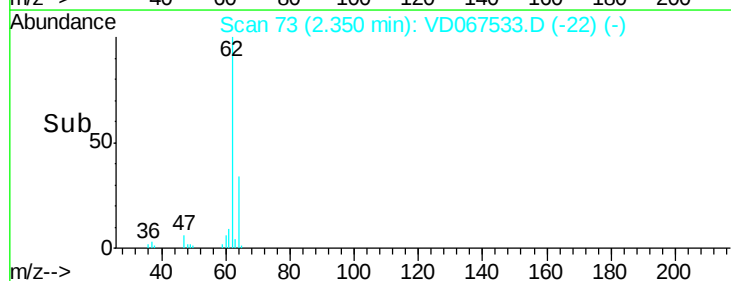
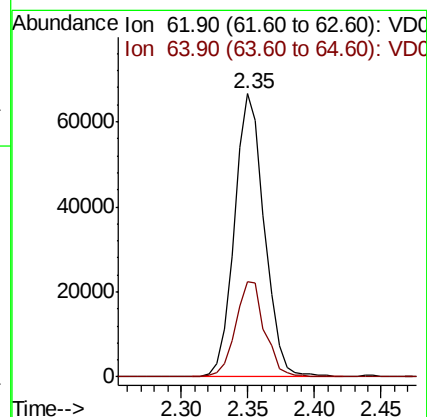
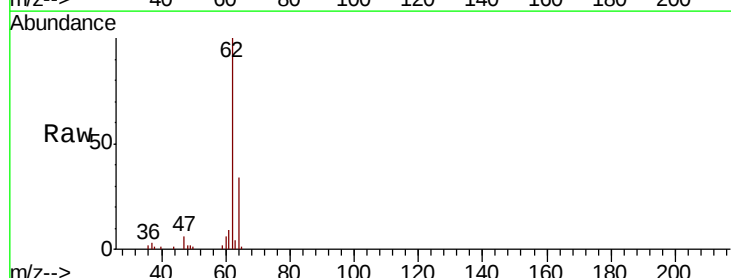
Acq: 05 Nov 2020 09:46

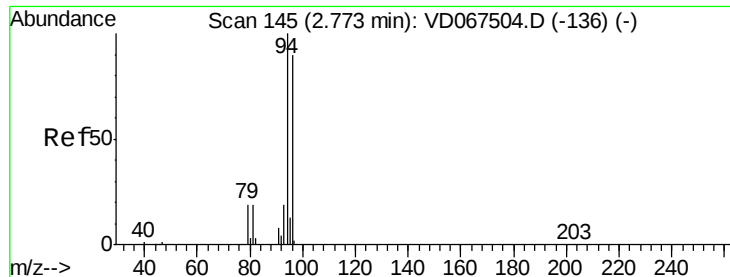
Tgt Ion: 62 Resp: 104031

Ion Ratio Lower Upper

62 100

64 33.5 25.6 38.4





#5

Bromomethane

Concen: 44.104 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067533.D

Acq: 05 Nov 2020 09:46

Instrument :

MSVOA_D

ClientSampleId :

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Tot Ion: 94 Resp: 86129

Ion Ratio Lower Upper

94 100

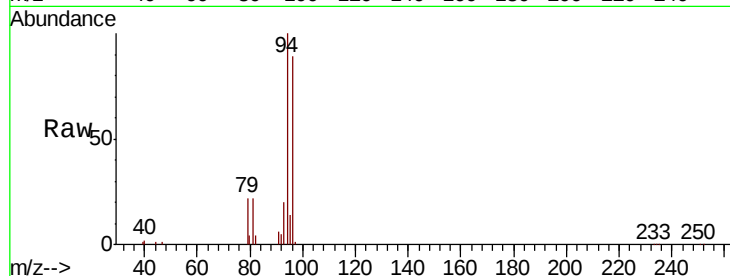
96 89.5 72.2 108.2

Manual Integrations

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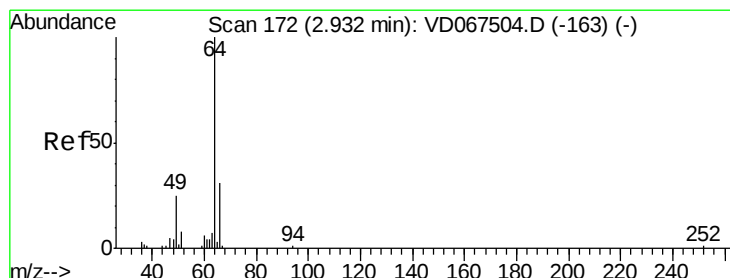
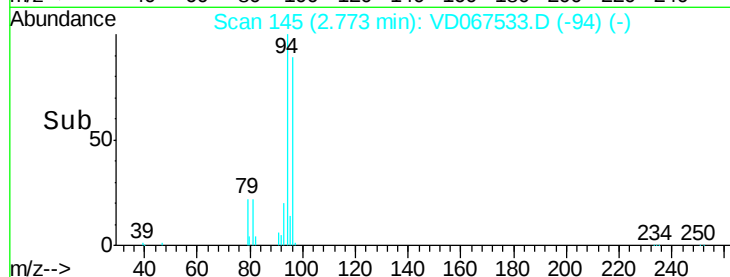
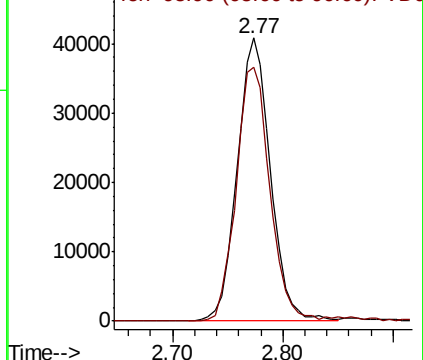
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 43.585 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.01 min

Lab File: VD067533.D

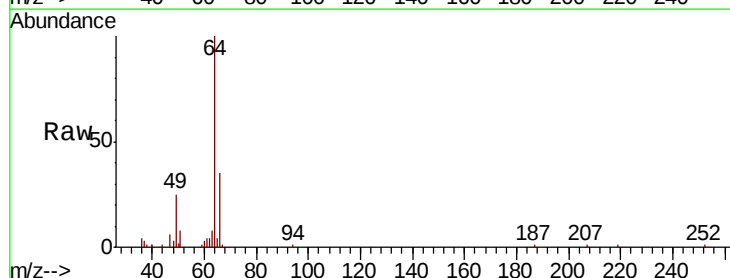
Acq: 05 Nov 2020 09:46

Tgt Ion: 64 Resp: 64743

Ion Ratio Lower Upper

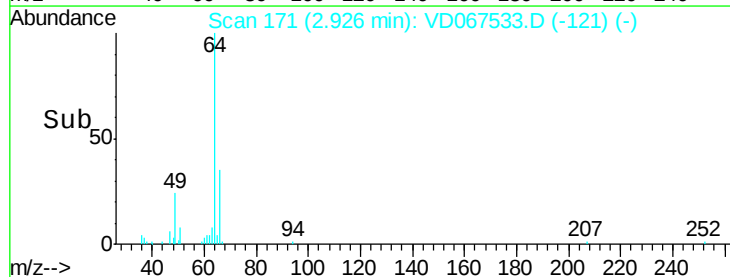
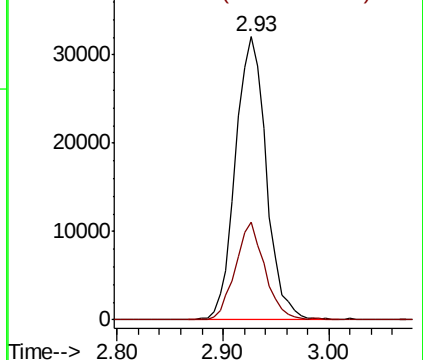
64 100

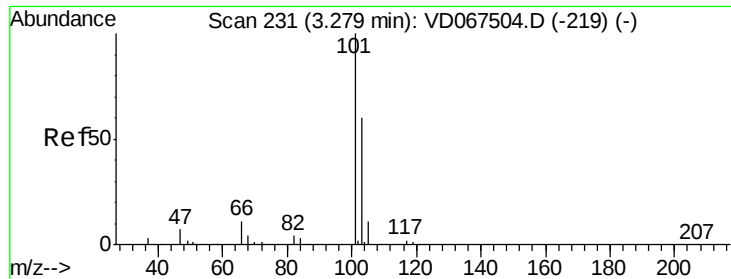
66 34.7 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

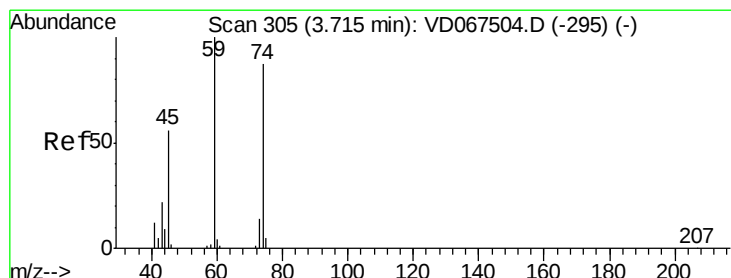
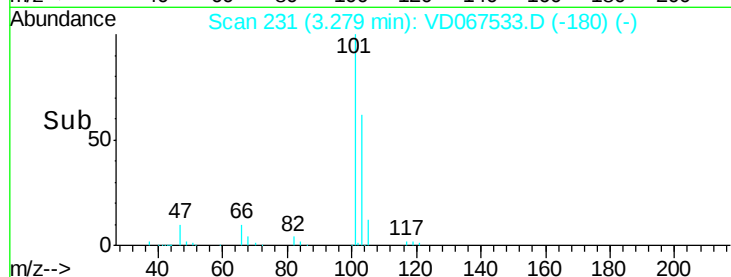
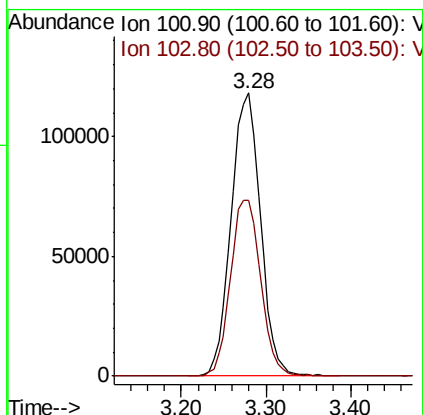
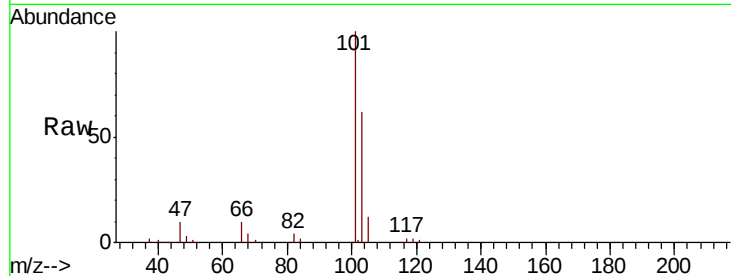
Trichlorofluoromethane
Concen: 45.606 ug/l
RT: 3.28 min Scan# 231
Delta R.T. 0.00 min
Lab File: VD067533.D
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	284515		
103	62.2	48.1	72.1	

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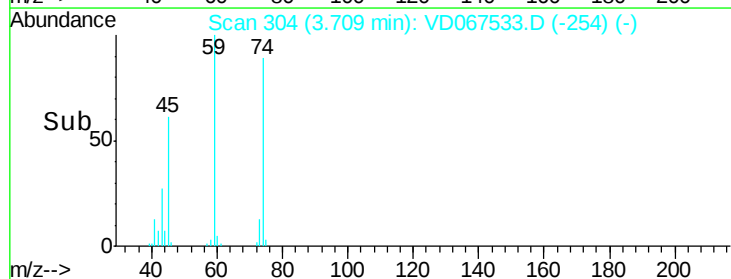
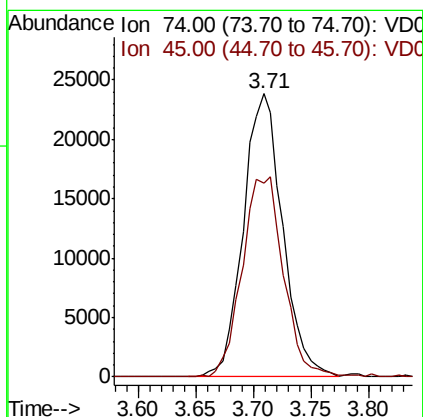
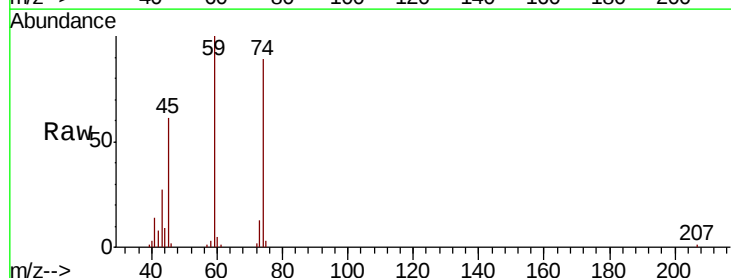
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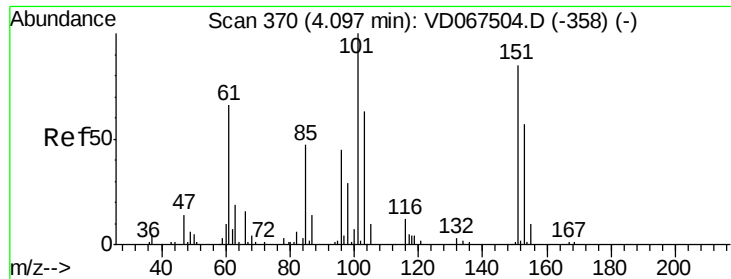


#8

Diethyl Ether
Concen: 44.896 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.01 min
Lab File: VD067533.D
Acq: 05 Nov 2020 09:46

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	56437		
45	74.5	38.2	114.6	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.475 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD067533.D

Acq: 05 Nov 2020 09:46

Instrument :

MSVOA_D

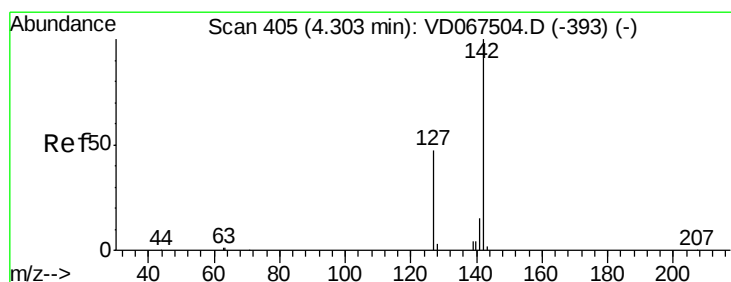
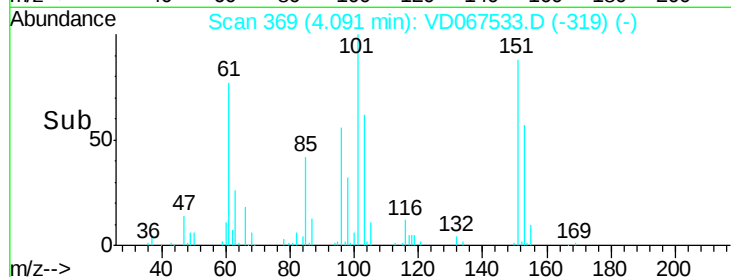
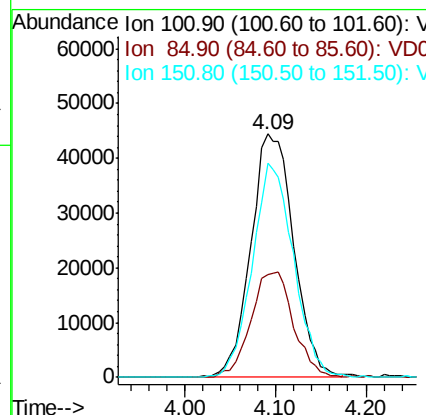
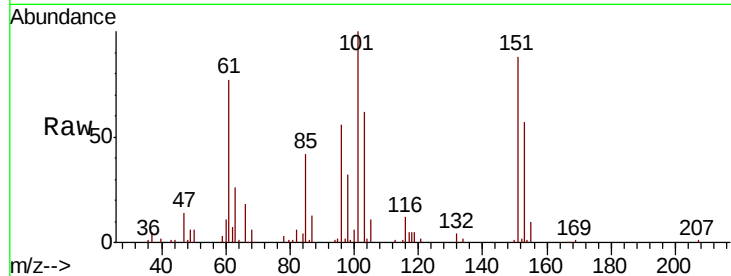
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	146352
Ion Ratio	Lower	Upper	
101	100		
85	42.8	34.4	51.6
151	84.9	68.1	102.1

Manual Integrations
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#10

Methyl Iodide

Concen: 44.382 ug/l

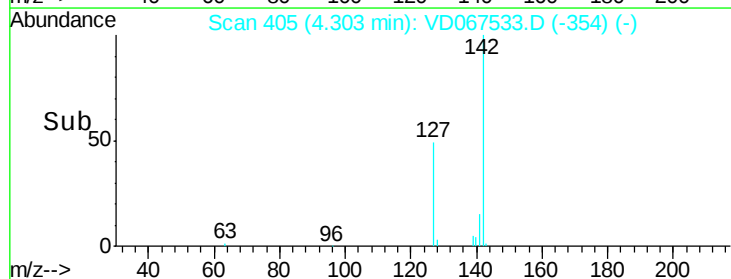
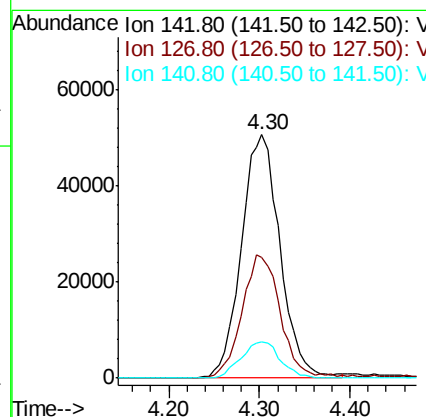
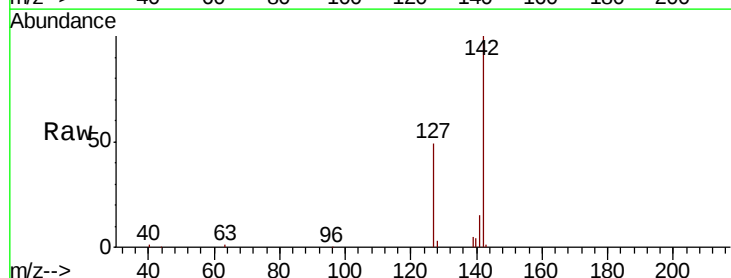
RT: 4.30 min Scan# 405

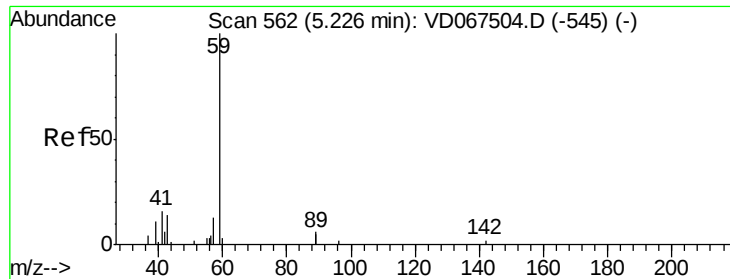
Delta R.T. 0.00 min

Lab File: VD067533.D

Acq: 05 Nov 2020 09:46

Tgt Ion:	142	Resp:	149792
Ion Ratio	Lower	Upper	
142	100		
127	50.6	40.0	60.0
141	14.9	11.7	17.5





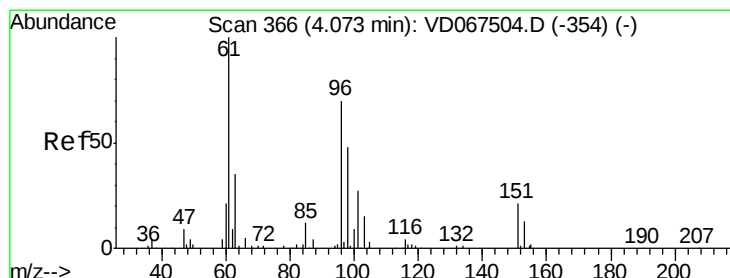
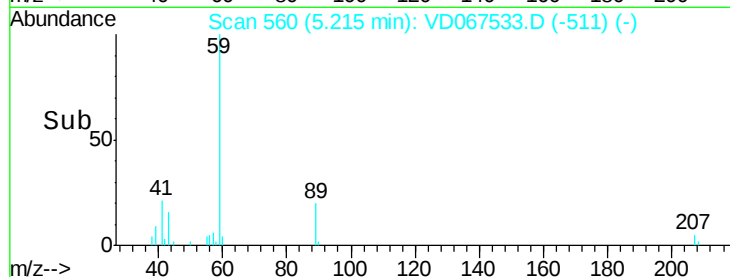
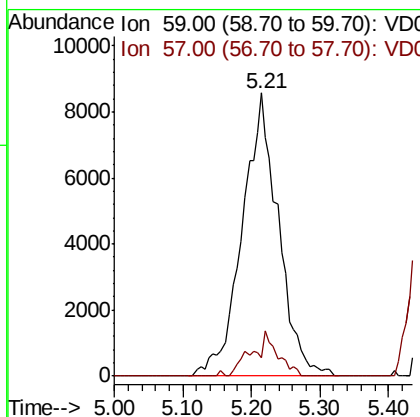
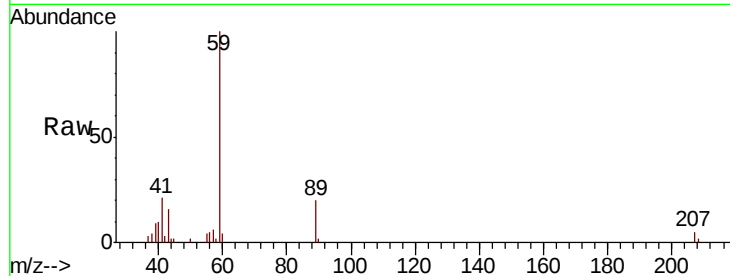
#11
Tert butyl alcohol
Concen: 238.862 ug/l
RT: 5.21 min Scan# 560
Delta R.T. -0.01 min
Lab File: VD067533.D
Acq: 05 Nov 2020 09:46

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050

Tot Ion: 59 Resp: 31353
Ion Ratio Lower Upper
59 100
57 6.3 5.9 8.9

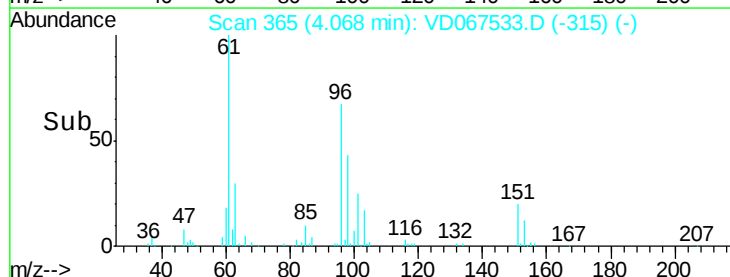
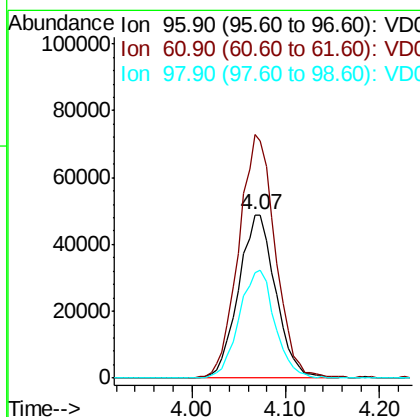
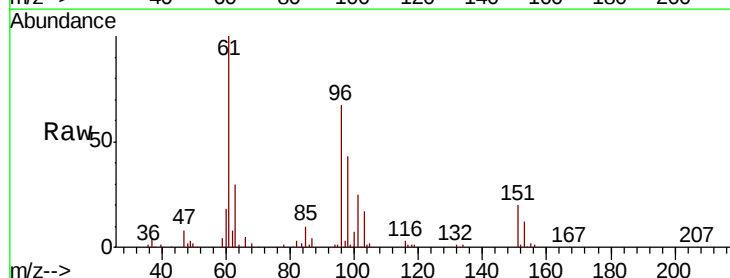
Manual Integrations
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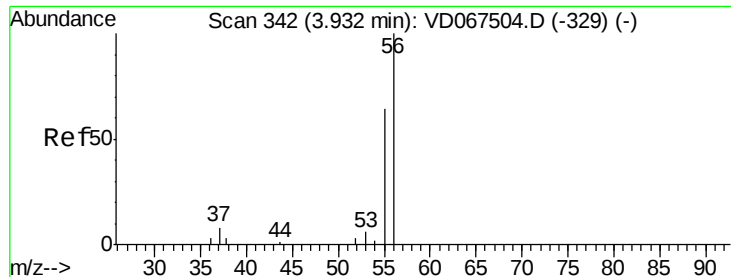
MMDadoda
11/6/2020 9:24:26 AM



#12
1,1-Dichloroethene
Concen: 45.972 ug/l
RT: 4.07 min Scan# 365
Delta R.T. -0.01 min
Lab File: VD067533.D
Acq: 05 Nov 2020 09:46

Tgt Ion: 96 Resp: 133161
Ion Ratio Lower Upper
96 100
61 149.4 114.5 171.7
98 64.7 54.5 81.7





#13

Acrolein

Concen: 236.009 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.01 min

Lab File: VD067533.D

Acq: 05 Nov 2020 09:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 31546

Ion Ratio Lower Upper

56 100

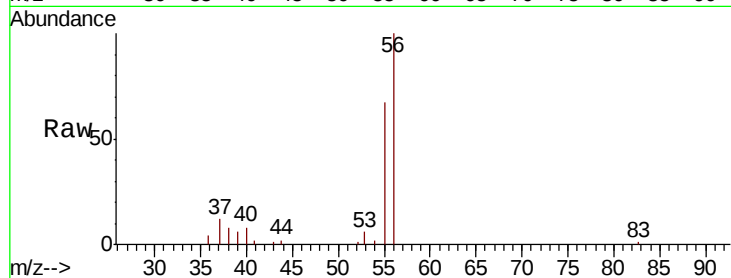
55 68.3 55.8 83.8

Manual Integrations

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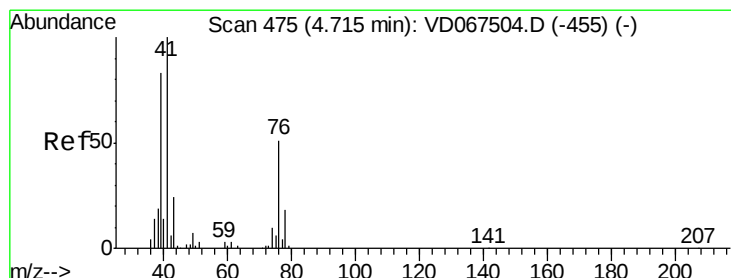
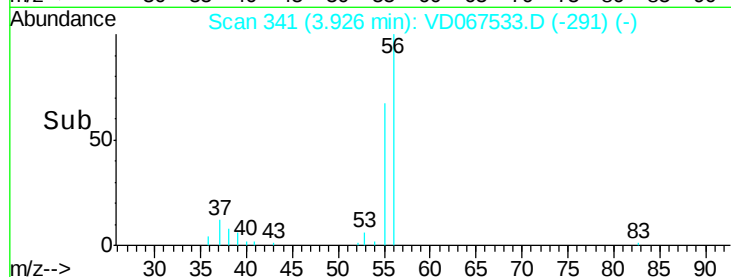
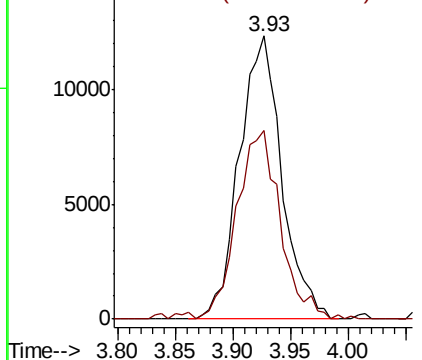
MMDadoda

11/6/2020 9:24:26 AM



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 45.115 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067533.D

Acq: 05 Nov 2020 09:46

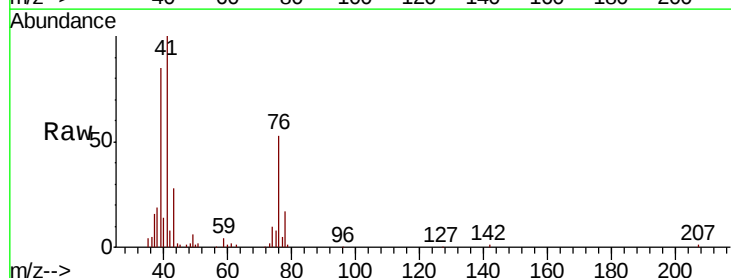
Tgt Ion: 41 Resp: 139857

Ion Ratio Lower Upper

41 100

39 83.3 67.4 101.0

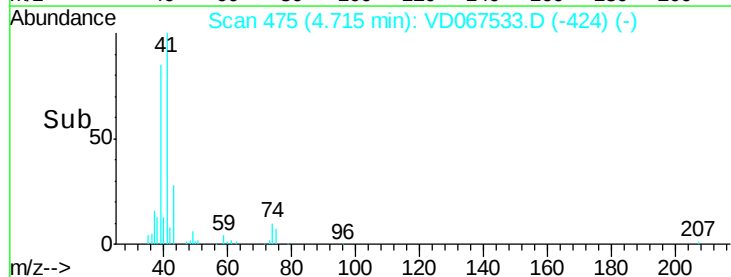
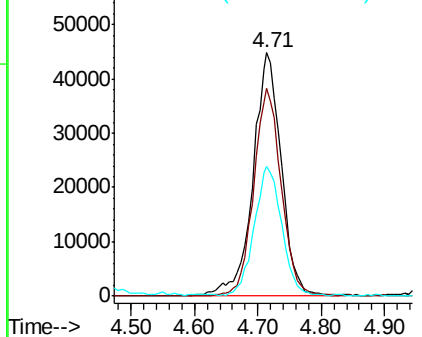
76 52.3 42.2 63.2

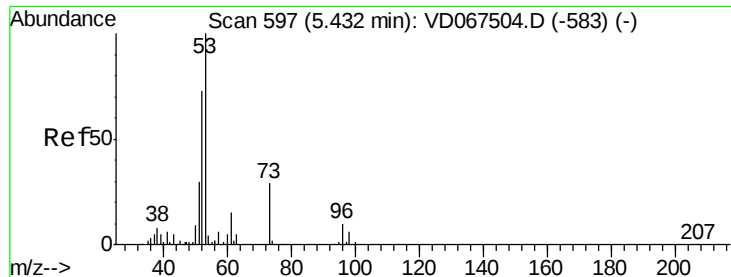


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 227.272 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD067533.D

Acq: 05 Nov 2020 09:46

Instrument :

MSVOA_D

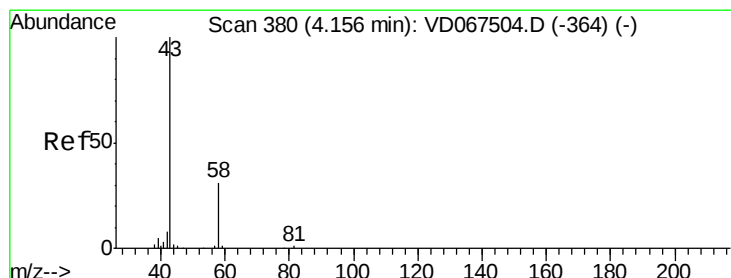
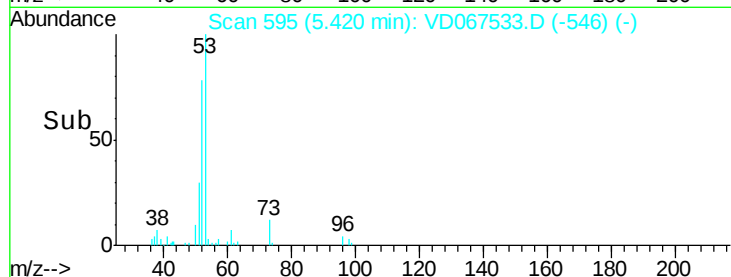
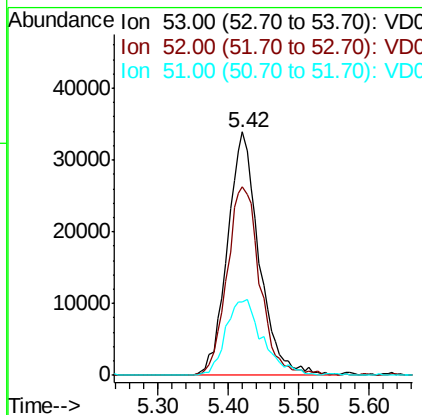
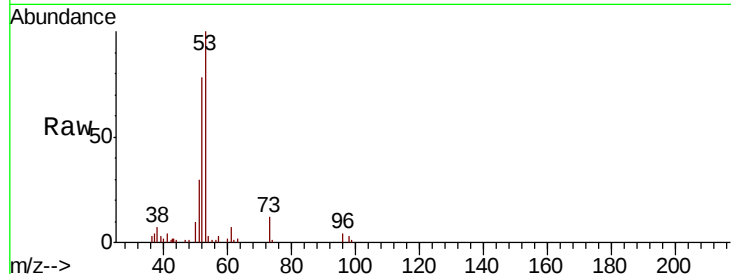
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	105608
Ion	Ratio	Lower	Upper
53	100		
52	80.8	64.8	97.2
51	36.1	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 239.159 ug/l

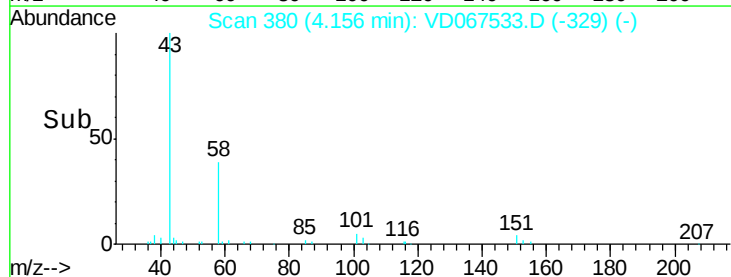
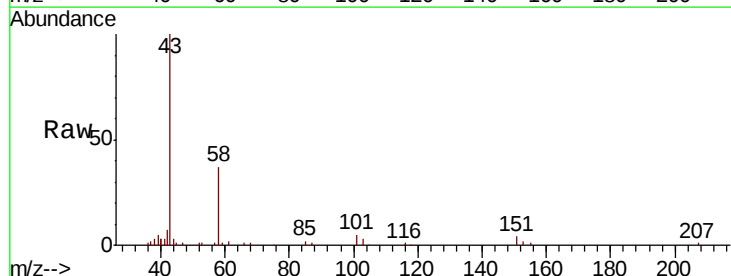
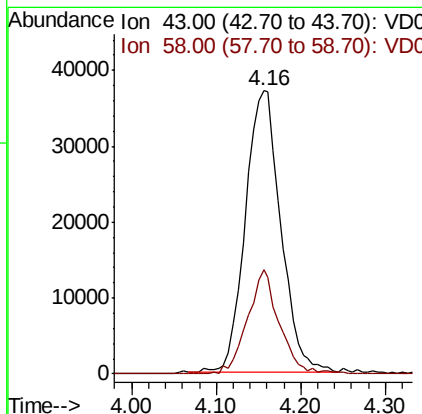
RT: 4.16 min Scan# 380

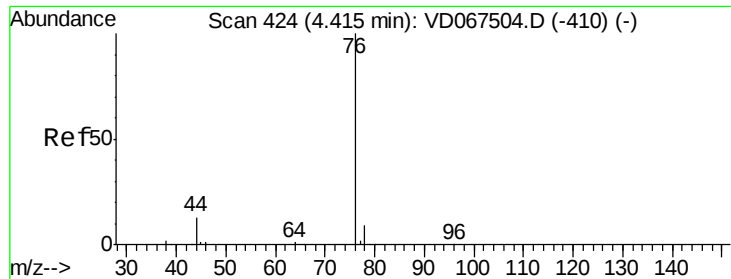
Delta R.T. 0.00 min

Lab File: VD067533.D

Acq: 05 Nov 2020 09:46

Tgt Ion:	43	Resp:	108600
Ion	Ratio	Lower	Upper
43	100		
58	37.1	25.2	37.8





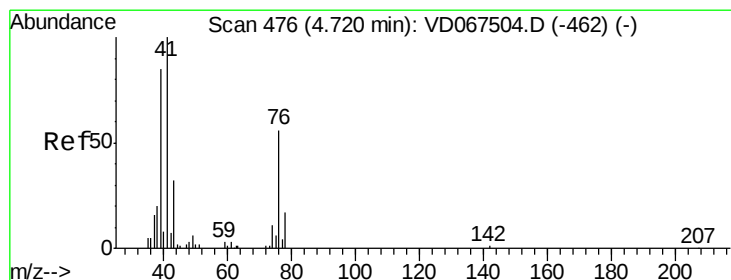
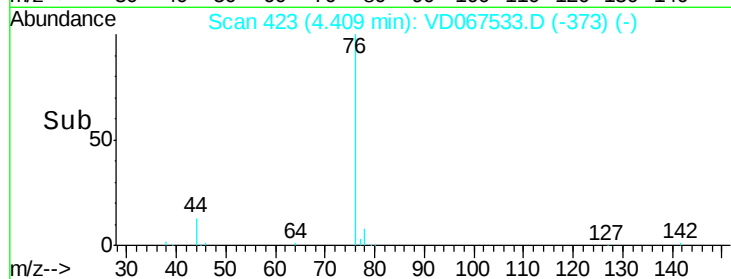
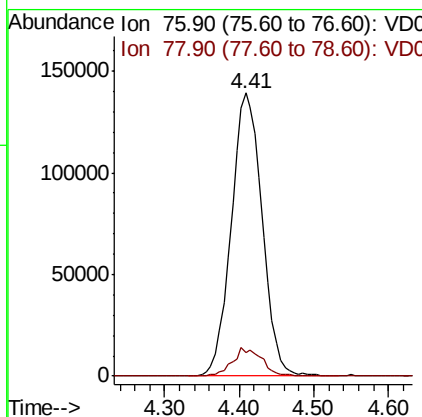
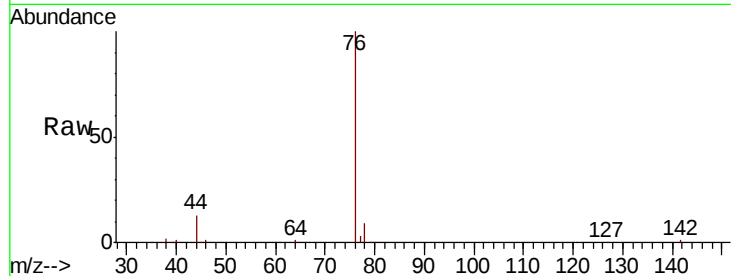
#17
Carbon Disulfide
Concen: 45.055 ug/l
RT: 4.41 min Scan# 423
Delta R.T. -0.01 min
Lab File: VD067533.D
Acq: 05 Nov 2020 09:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.2	10.8

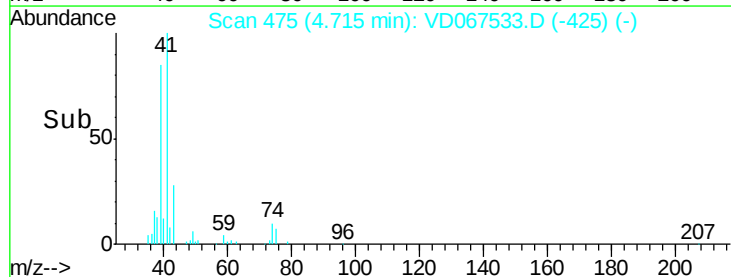
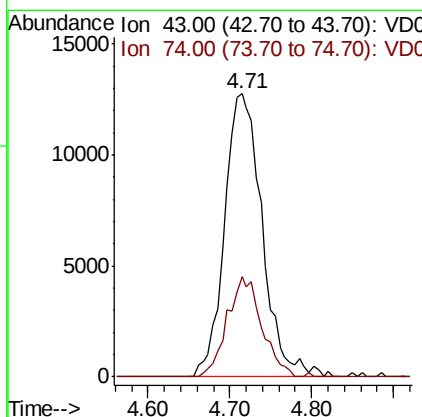
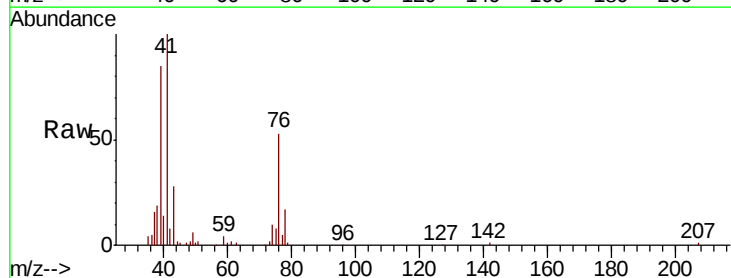
Manual Integrations
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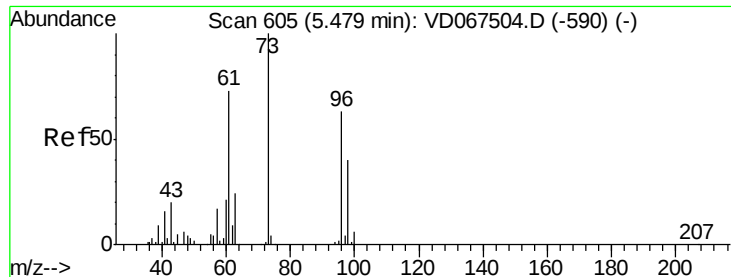
MMDadoda
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#18
Methyl Acetate
Concen: 43.568 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD067533.D
Acq: 05 Nov 2020 09:46

Tgt Ion	Ratio	Lower	Upper
43	100		
74	32.3	27.2	40.8





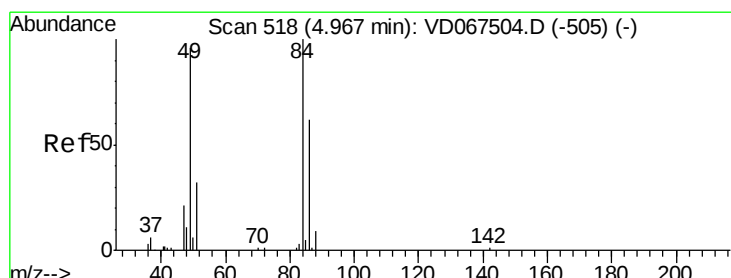
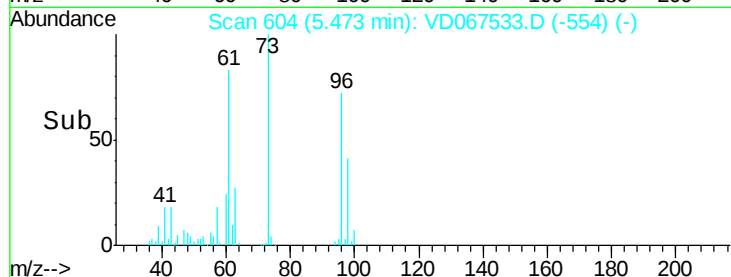
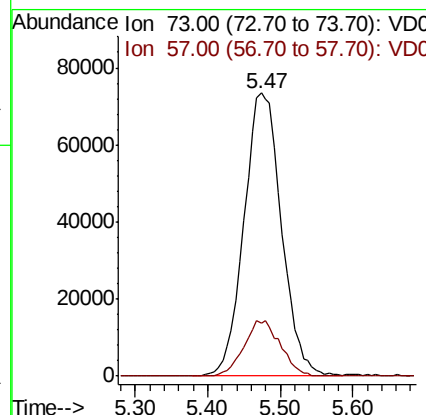
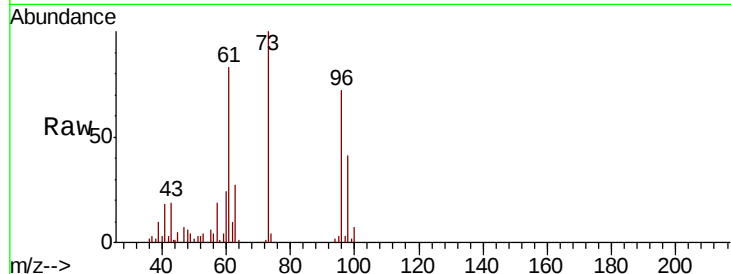
#19
Methyl tert-butyl Ether
Concen: 46.198 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD067533.D
Acq: 05 Nov 2020 09:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 263953
Ion Ratio Lower Upper
73 100
57 18.9 13.4 20.0

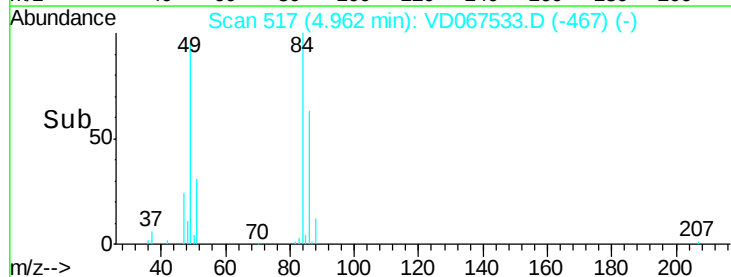
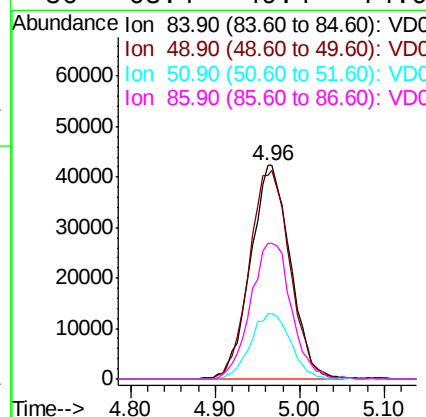
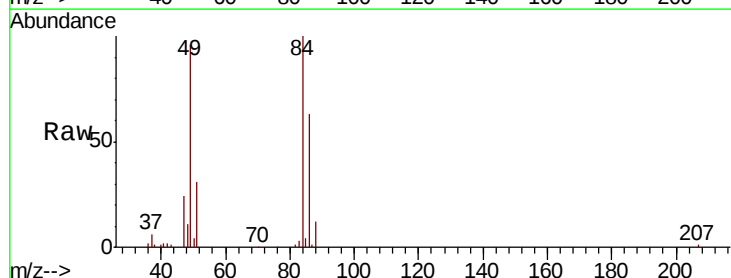
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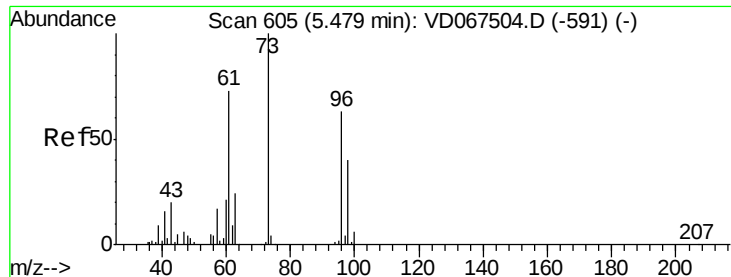
MMDadoda
11/6/2020 9:24:26 AM



#20
Methylene Chloride
Concen: 43.053 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD067533.D
Acq: 05 Nov 2020 09:46

Tgt Ion: 84 Resp: 138098
Ion Ratio Lower Upper
84 100
49 95.6 77.0 115.4
51 30.7 25.4 38.2
86 63.4 49.4 74.0





#21

trans-1,2-Dichloroethene

Concen: 45.193 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.01 min

Lab File: VD067533.D

Acq: 05 Nov 2020 09:46

Instrument :

MSVOA_D

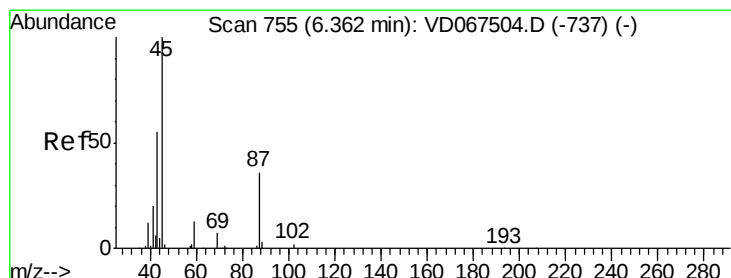
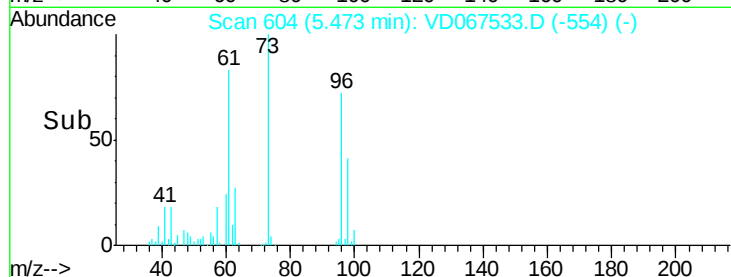
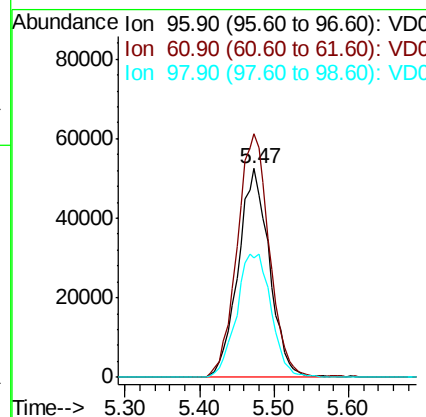
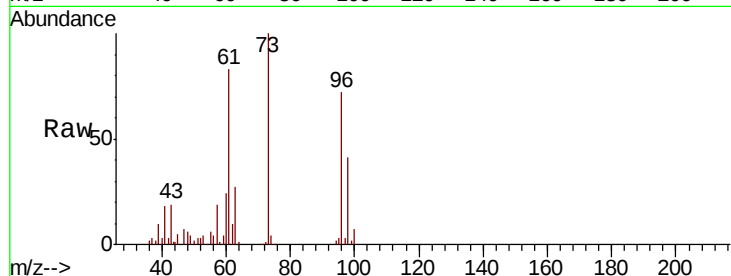
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	152470
Ion	Ratio	Lower	Upper
96	100		
61	116.6	93.0	139.6
98	57.5	50.9	76.3

Manual Integrations
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#22

Diisopropyl ether

Concen: 46.442 ug/l

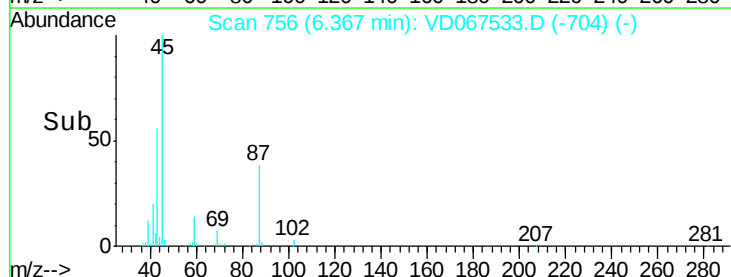
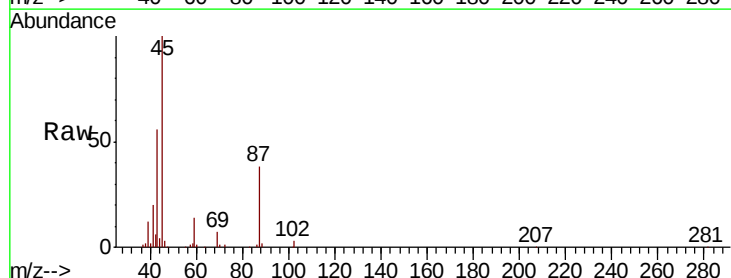
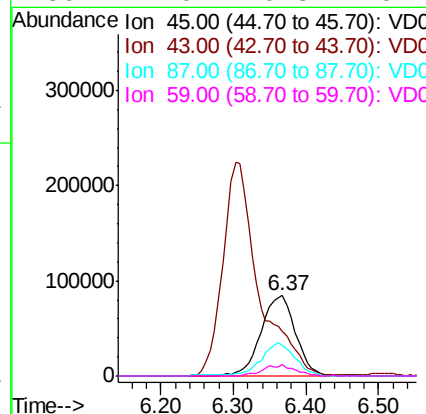
RT: 6.37 min Scan# 756

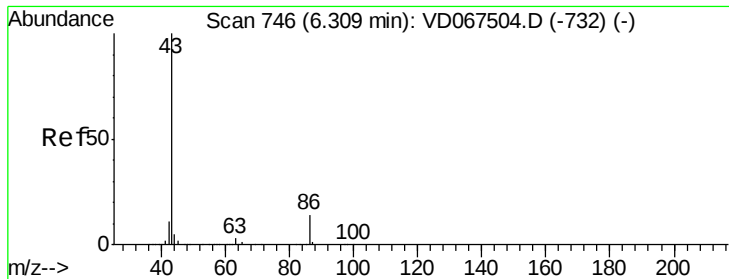
Delta R.T. 0.01 min

Lab File: VD067533.D

Acq: 05 Nov 2020 09:46

Tgt Ion:	45	Resp:	280564
Ion	Ratio	Lower	Upper
45	100		
43	55.4	46.2	69.4
87	37.9	29.4	44.2
59	14.0	10.8	16.2





#23

Vinyl Acetate

Concen: 244.621 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD067533.D

Acq: 05 Nov 2020 09:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 773548

Ion Ratio Lower Upper

43 100

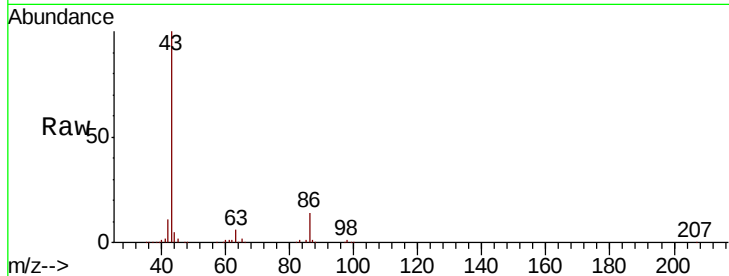
86 14.3 11.6 17.4

Manual Integrations

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MMDadoda

11/6/2020 9:24:26 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

250000

200000

150000

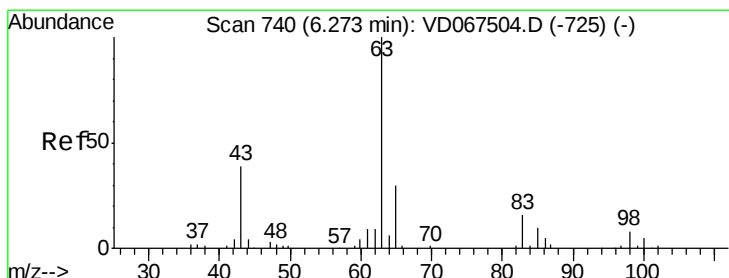
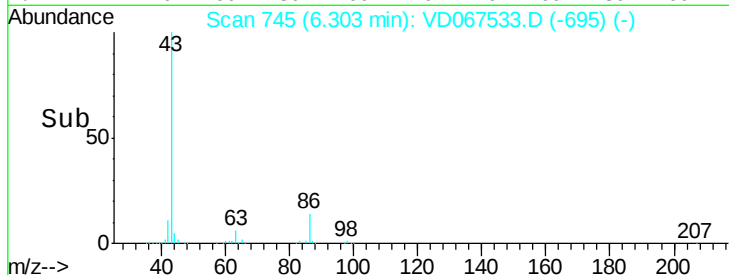
100000

50000

0

6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 44.931 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD067533.D

Acq: 05 Nov 2020 09:46

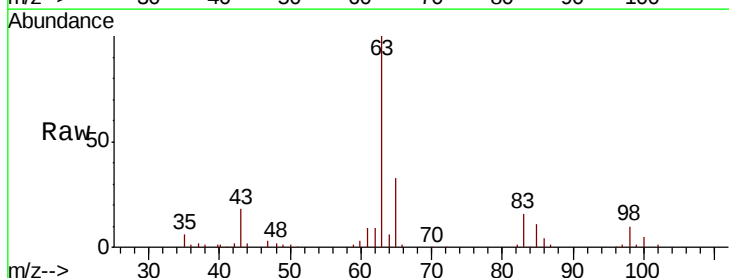
Tgt Ion: 63 Resp: 222059

Ion Ratio Lower Upper

63 100

98 10.2 3.9 11.5

100 5.1 2.6 7.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

80000

60000

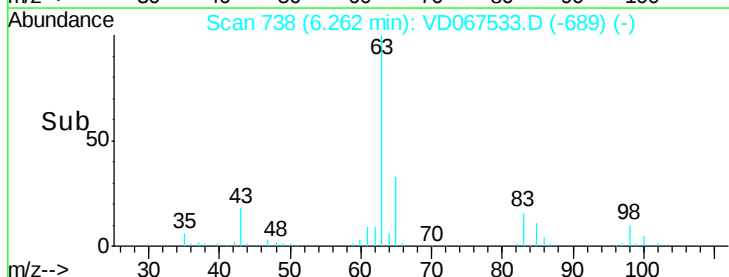
40000

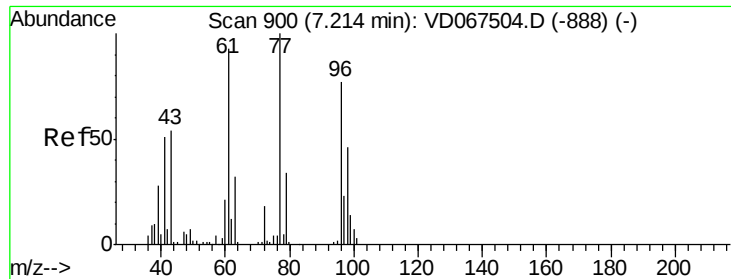
20000

0

6.10 6.20 6.30 6.40

Time-->





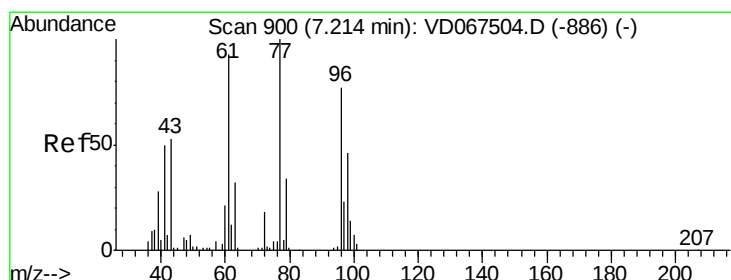
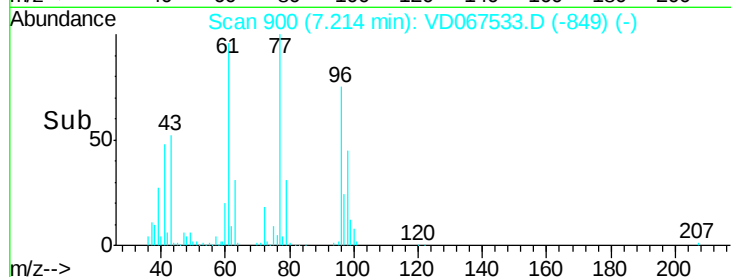
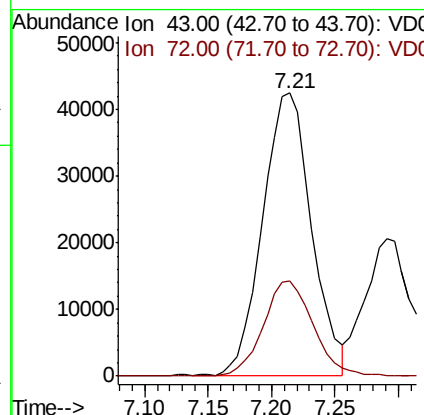
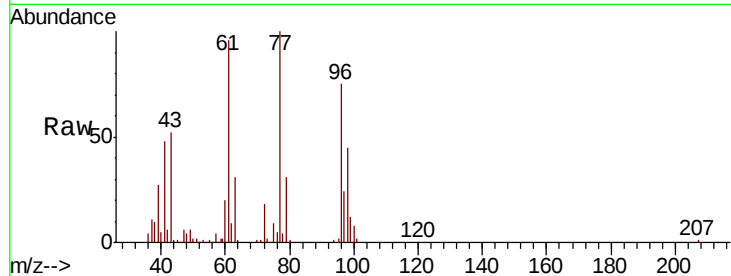
#25
2-Butanone
Concen: 234.963 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067533.D
Acq: 05 Nov 2020 09:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 114006
Ion Ratio Lower Upper
43 100
72 33.8 26.4 39.6

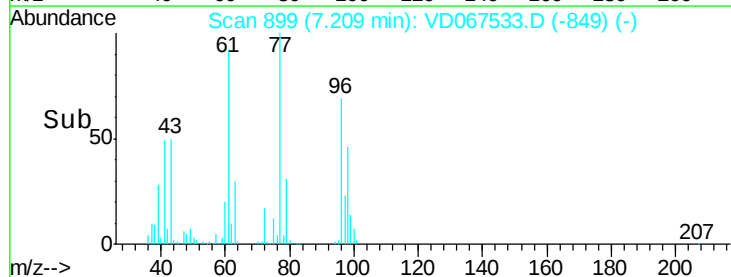
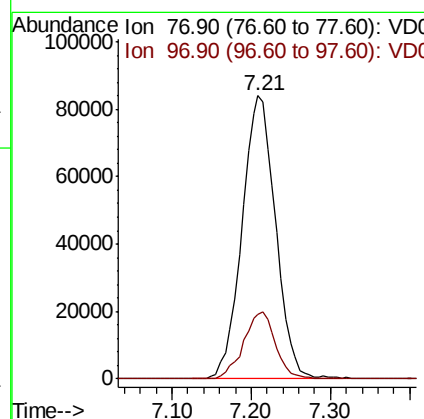
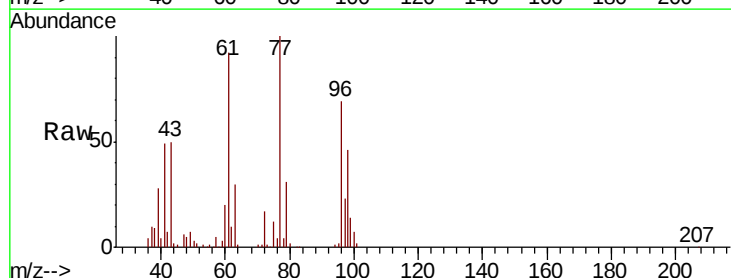
Manual Integrations
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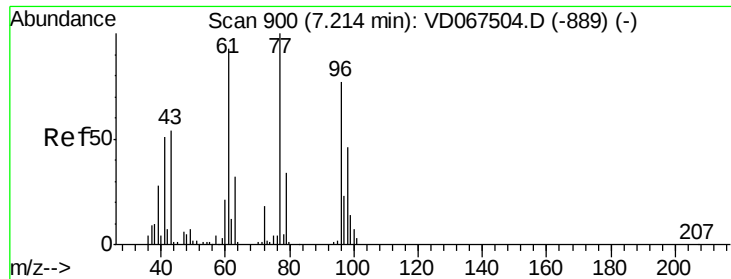
MMDadoda
11/6/2020 9:24:26 AM



#26
2,2-Dichloropropane
Concen: 47.159 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD067533.D
Acq: 05 Nov 2020 09:46

Tgt Ion: 77 Resp: 245981
Ion Ratio Lower Upper
77 100
97 22.5 11.1 33.3





#27

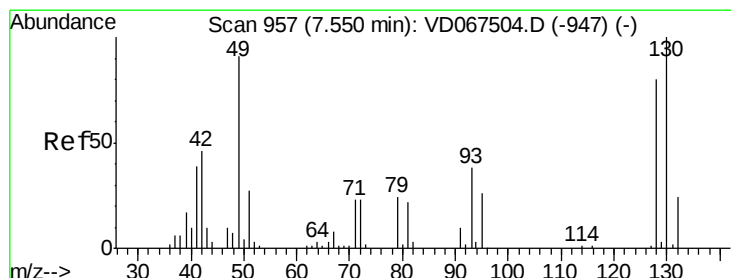
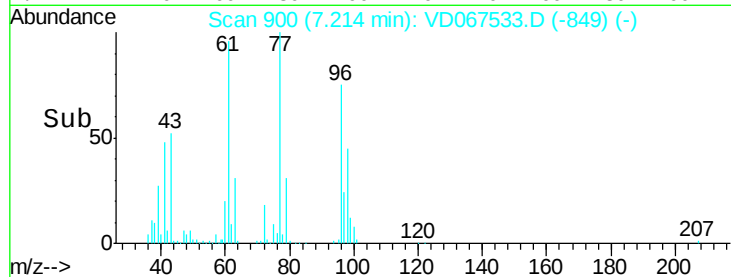
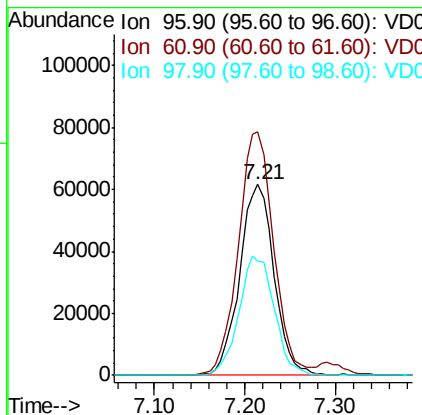
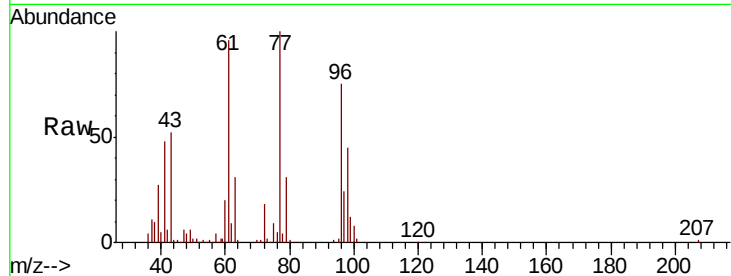
cis-1,2-Dichloroethene
Concen: 46.521 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067533.D
Acq: 05 Nov 2020 09:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.7	0.0	251.6
98	64.0	0.0	128.0

Manual Integrations
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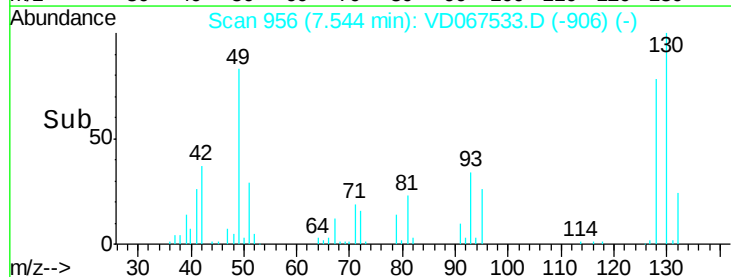
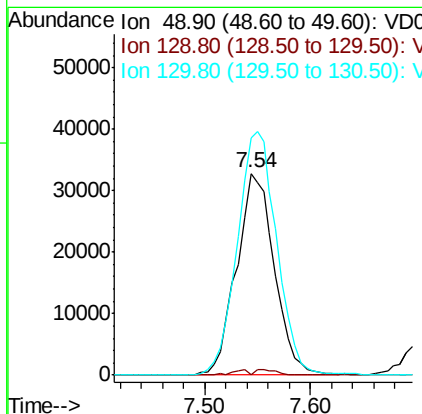
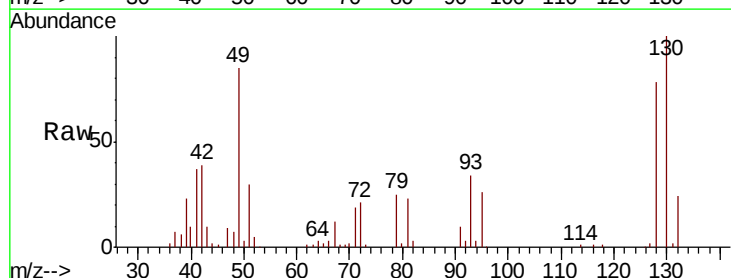
MMDadoda
11/6/2020 9:24:26 AM

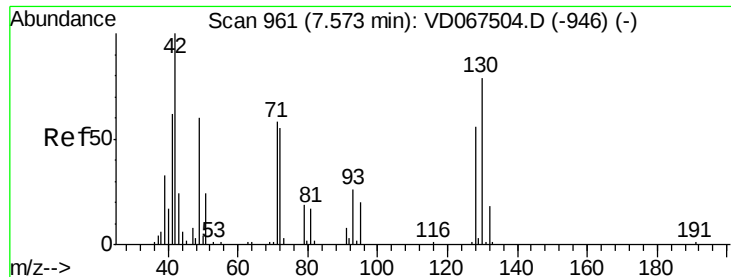


#28

Bromochloromethane
Concen: 46.398 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD067533.D
Acq: 05 Nov 2020 09:46

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	6.4
130	126.0	94.6	142.0





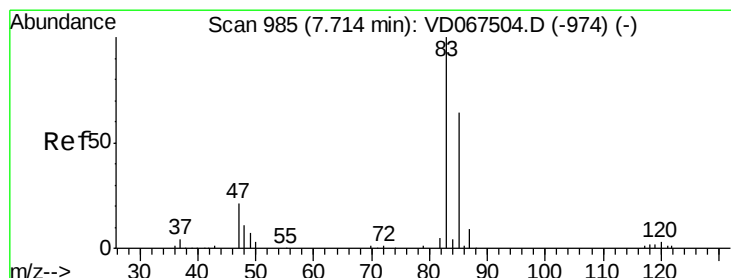
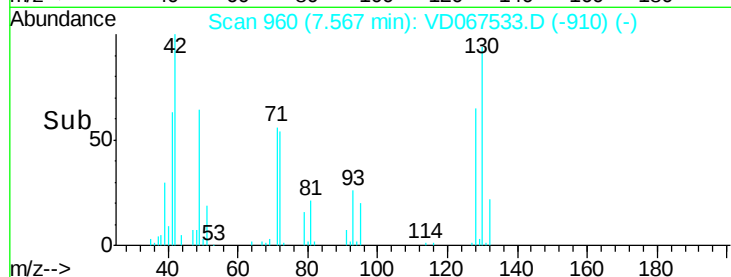
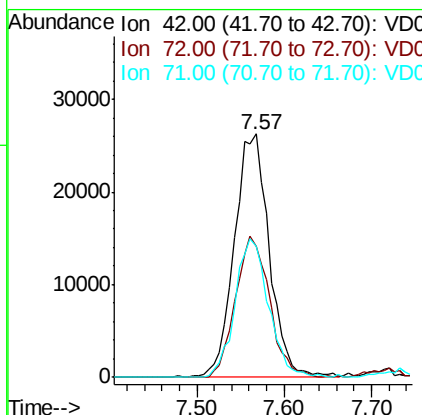
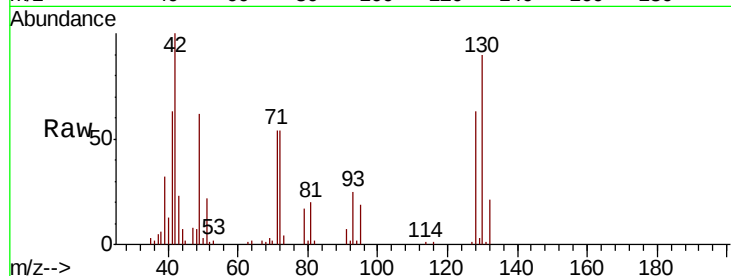
#29
Tetrahydrofuran
Concen: 244.851 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD067533.D
Acq: 05 Nov 2020 09:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	56.4	46.3	69.5
71	54.4	44.0	66.0

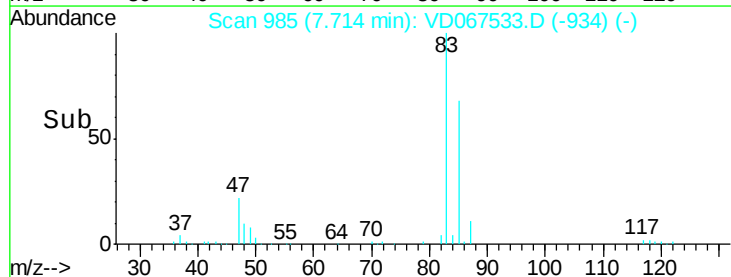
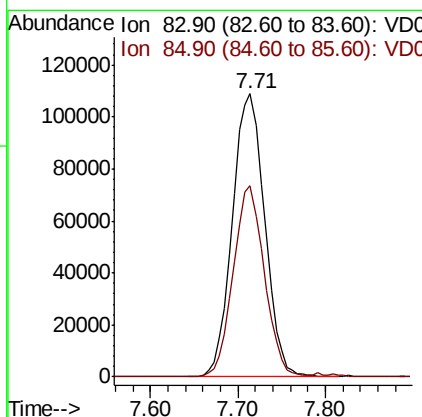
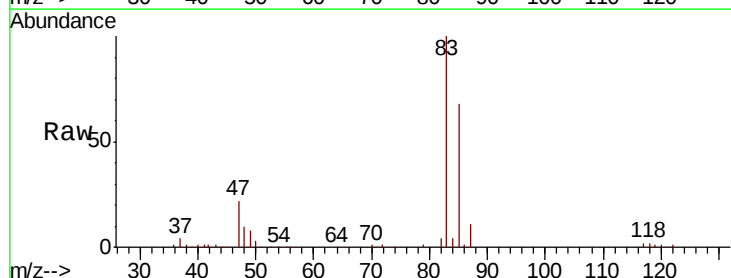
Manual Integrations
APPROVED

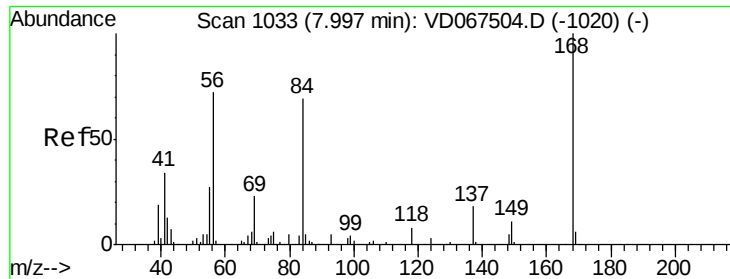
MMDadoda
11/6/2020 9:24:26 AM



#30
Chloroform
Concen: 46.298 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD067533.D
Acq: 05 Nov 2020 09:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.8	51.5	77.3





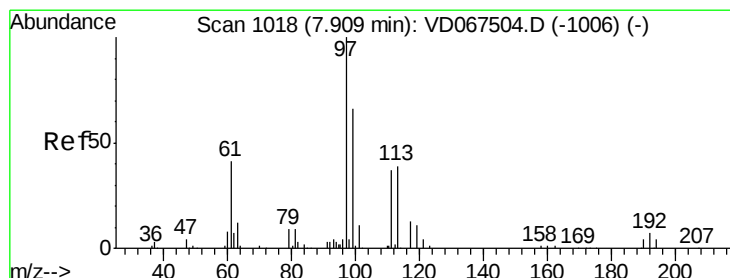
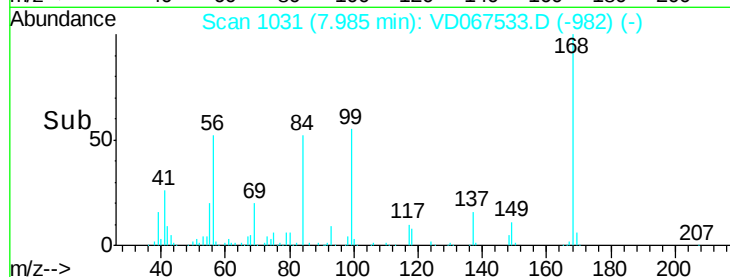
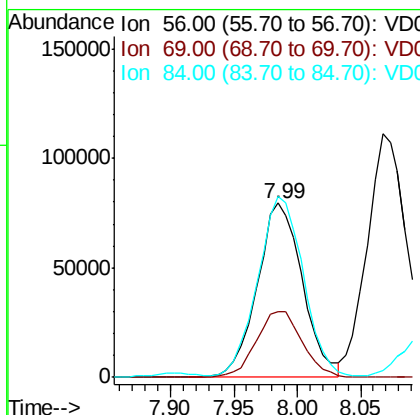
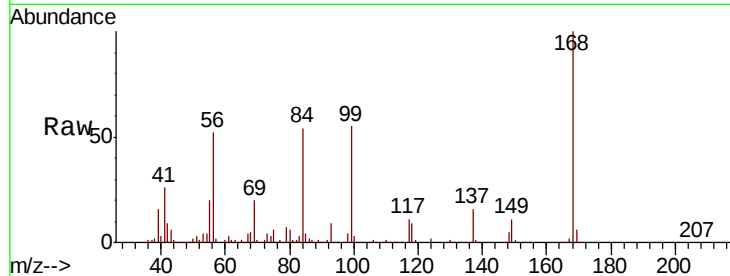
#31
Cyclohexane
Concen: 44.894 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VD067533.D
Acq: 05 Nov 2020 09:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.7	25.9	38.9
84	102.3	76.2	114.4

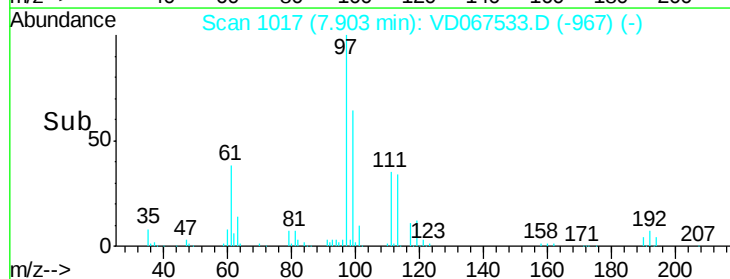
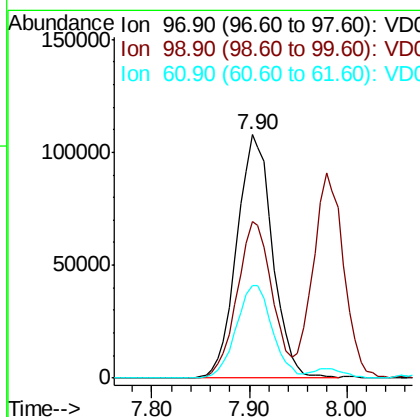
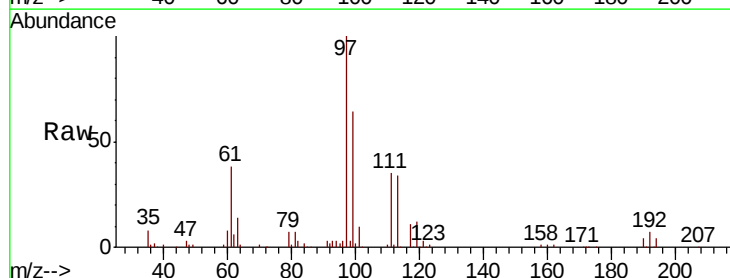
Manual Integrations
APPROVED

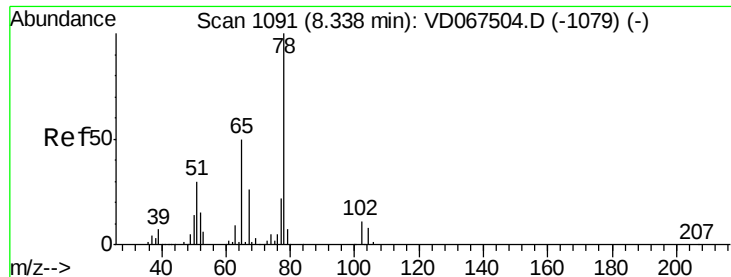
MMDadoda
11/6/2020 9:24:26 AM



#32
1,1,1-Trichloroethane
Concen: 45.317 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD067533.D
Acq: 05 Nov 2020 09:46

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.8	77.6
61	38.5	30.5	45.7





#33

1,2-Dichloroethane-d4

Concen: 43.411 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD067533.D

Acq: 05 Nov 2020 09:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 131730

Ion Ratio Lower Upper

65 100

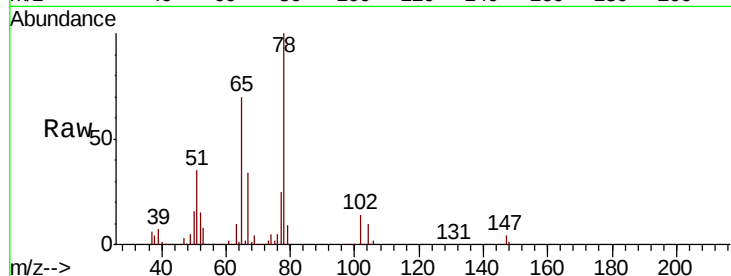
67 49.1 0.0 99.4

Manual Integrations

APPROVED

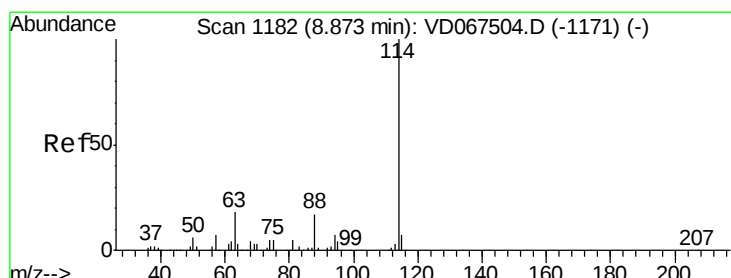
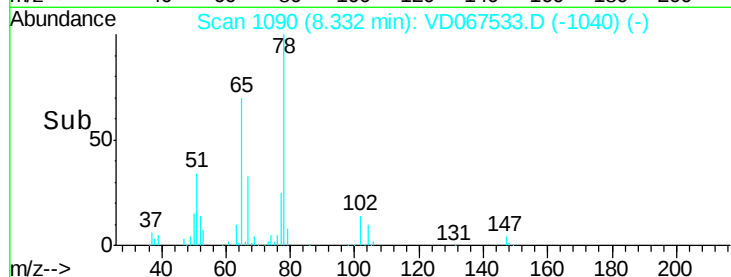
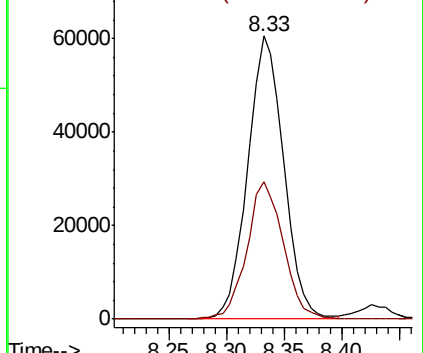
MMDadoda

11/6/2020 9:24:26 AM



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.01 min

Lab File: VD067533.D

Acq: 05 Nov 2020 09:46

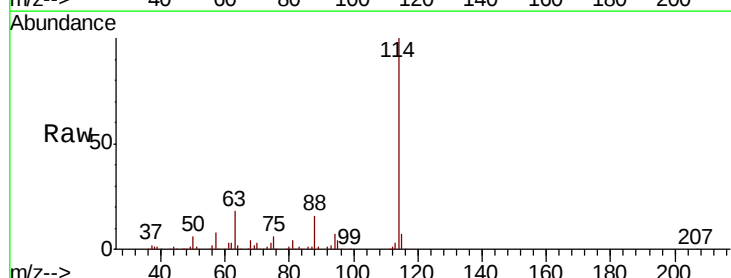
Tgt Ion: 114 Resp: 491817

Ion Ratio Lower Upper

114 100

63 17.7 0.0 35.0

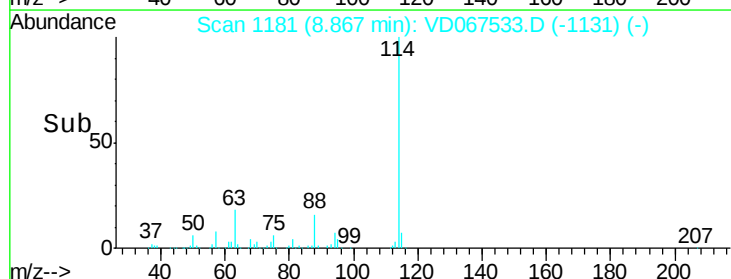
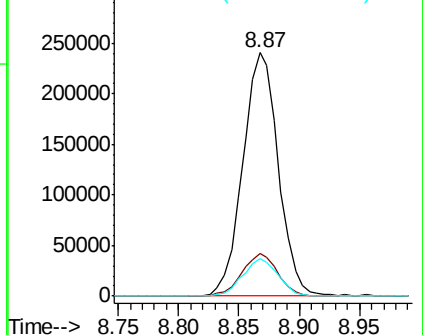
88 15.6 0.0 33.0

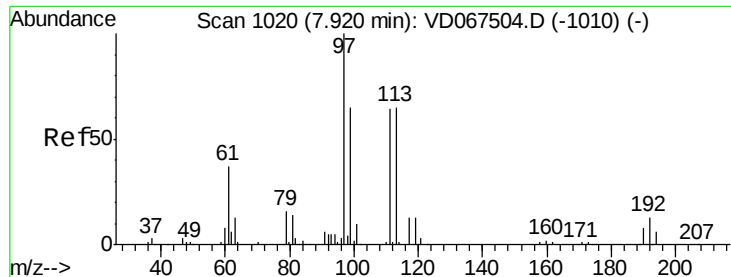


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





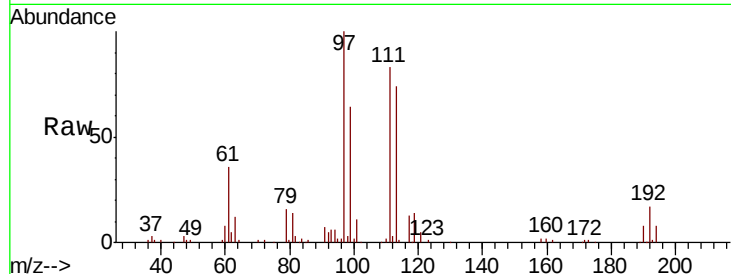
#35
Dibromofluoromethane
Concen: 45.365 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD067533.D
Acq: 05 Nov 2020 09:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	80.0	120.0
192	21.3	16.3	24.5

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11/6/2020 9:24:26 AM

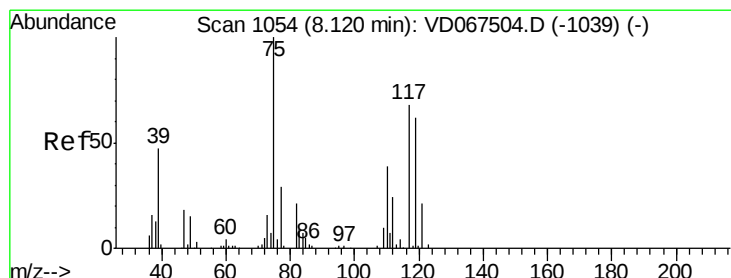
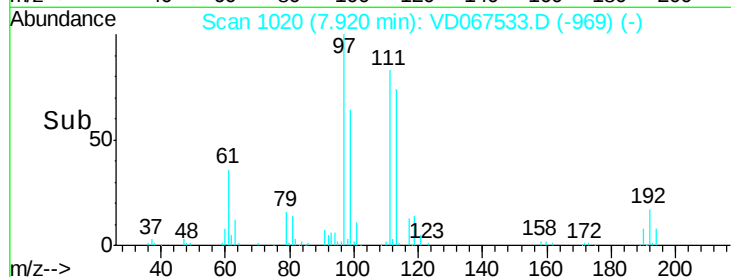
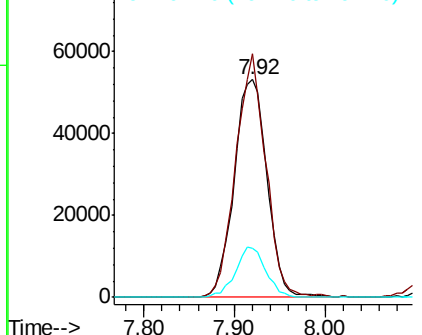


Abundance

Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
1,1-Dichloropropene
Concen: 47.951 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VD067533.D
Acq: 05 Nov 2020 09:46

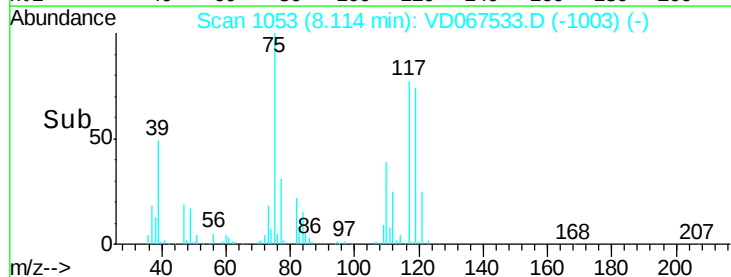
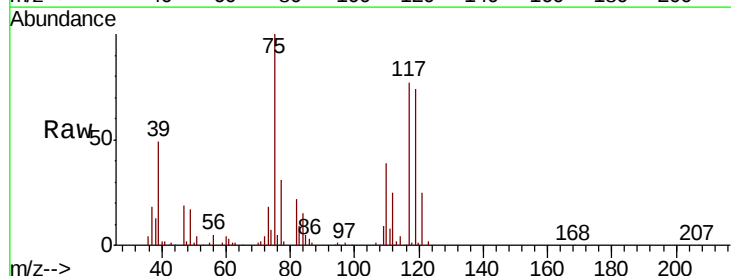
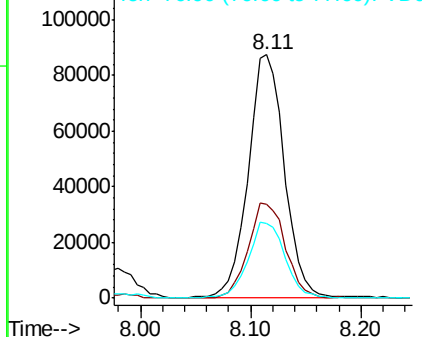
Tgt Ion	Ratio	Lower	Upper
75	100		
110	40.0	19.9	59.7
77	31.8	24.8	37.2

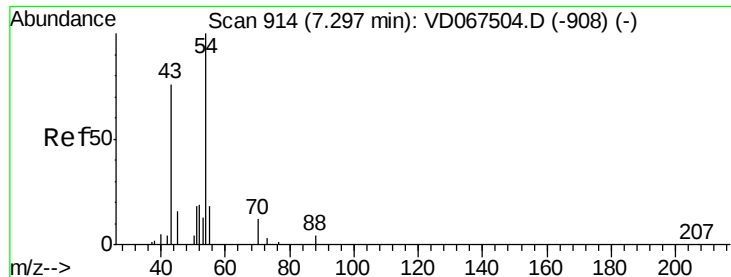
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#37

Ethyl Acetate

Concen: 46.289 ug/l

RT: 7.29 min Scan# 913

Delta R.T. -0.01 min

Lab File: VD067533.D

Acq: 05 Nov 2020 09:46

Instrument :

MSVOA_D

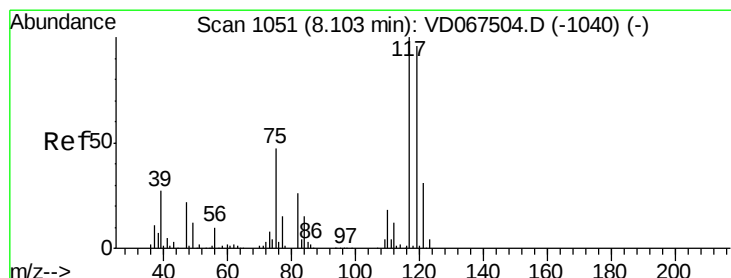
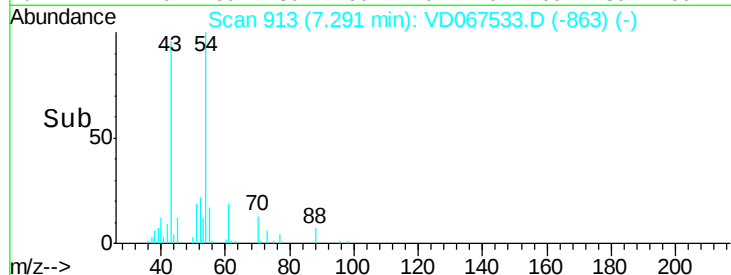
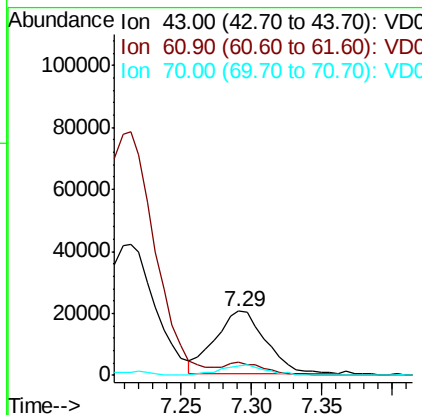
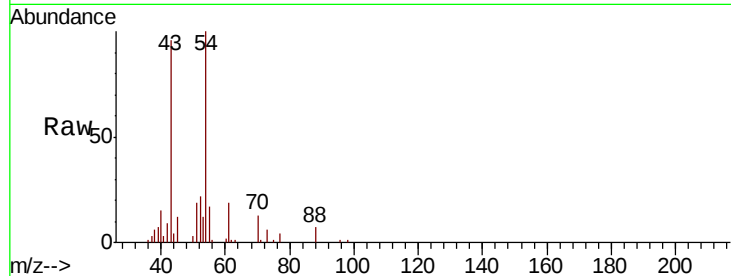
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	50592
Ion	Ratio	Lower	Upper
43	100		
61	17.2	12.8	19.2
70	15.1	11.7	17.5

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 49.165 ug/l

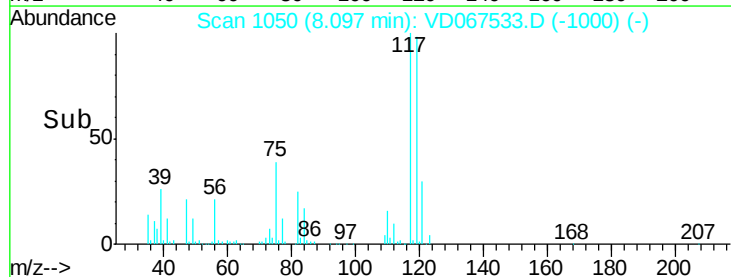
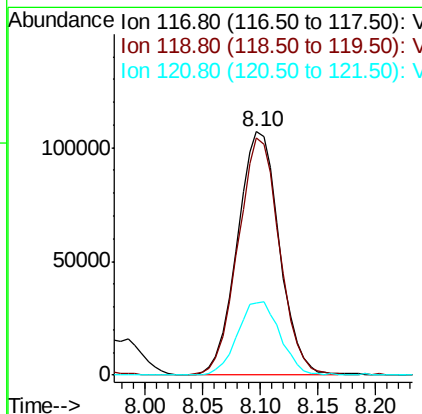
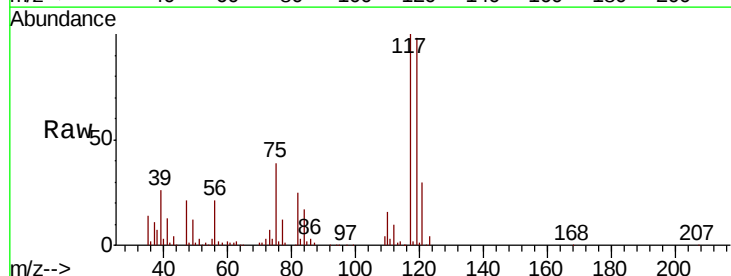
RT: 8.10 min Scan# 1050

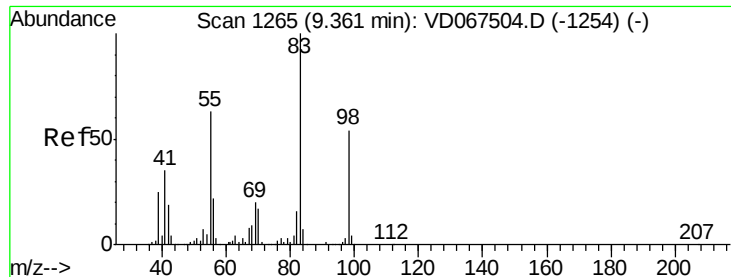
Delta R.T. -0.01 min

Lab File: VD067533.D

Acq: 05 Nov 2020 09:46

Tgt Ion:	117	Resp:	268922
Ion	Ratio	Lower	Upper
117	100		
119	97.7	76.9	115.3
121	29.7	24.5	36.7





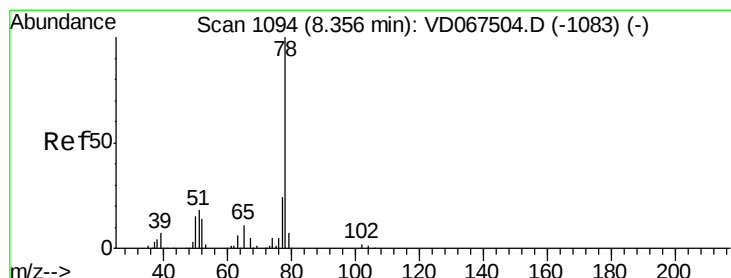
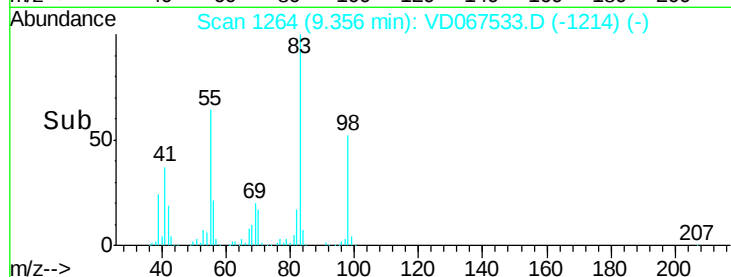
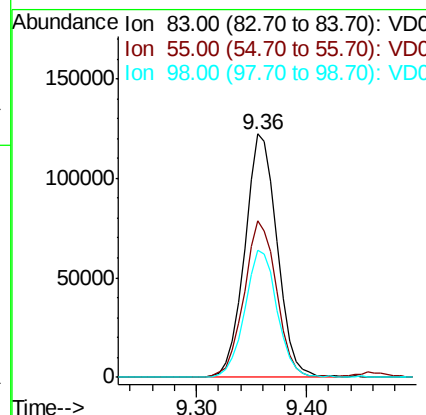
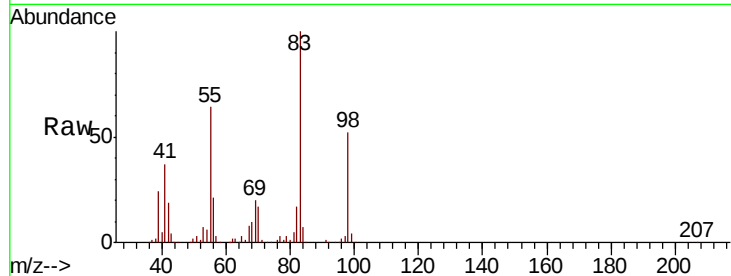
#39
Methylvlcvclohexane
Concen: 50.846 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD067533.D
Acq: 05 Nov 2020 09:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	83.00	Resp	251939
Ion Ratio	100	Lower	Upper
83	100		
55	64.2	50.5	75.7
98	52.2	43.4	65.0

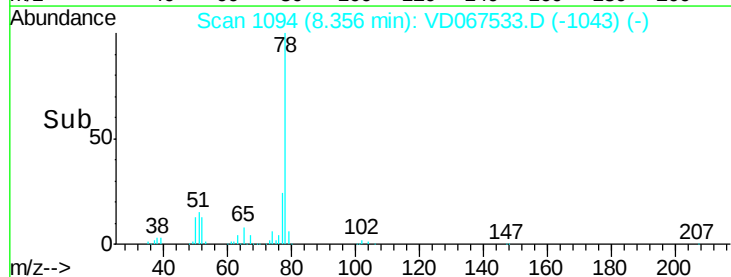
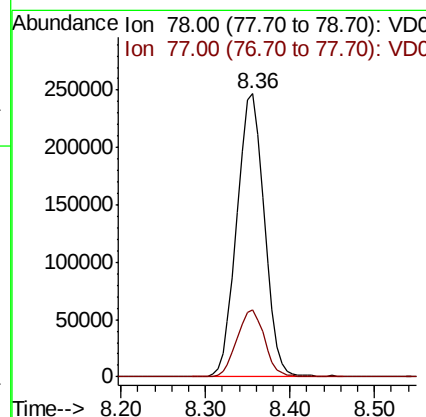
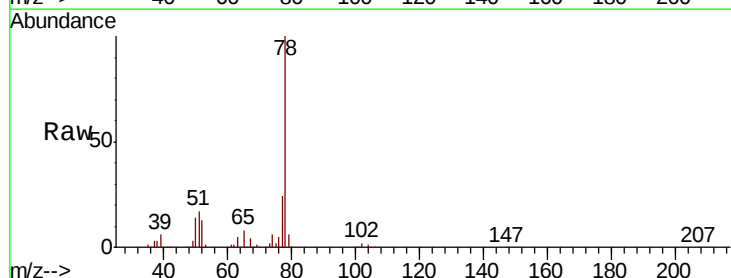
Manual Integrations
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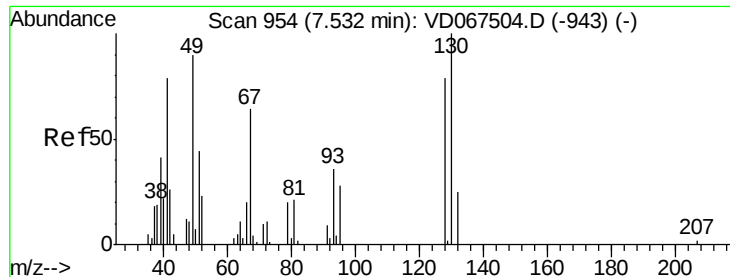
MMDadoda
11/6/2020 9:24:26 AM



#40
Benzene
Concen: 48.817 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD067533.D
Acq: 05 Nov 2020 09:46

Tgt Ion	78.00	Resp	556688
Ion Ratio	100	Lower	Upper
78	100		
77	23.8	19.1	28.7





#41

Methacrylonitrile

Concen: 46.797 ug/l m

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD067533.D

Acq: 05 Nov 2020 09:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 30573

Ion Ratio Lower Upper

41 100

39 0.0 51.3 76.9#

67 88.7 78.9 118.3

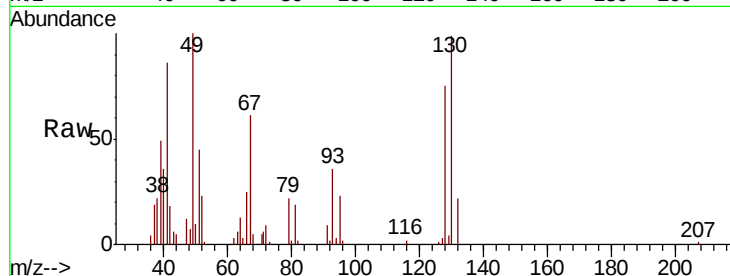
52 40.6 31.4 47.2

Manual Integrations

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11/6/2020 9:24:26 AM

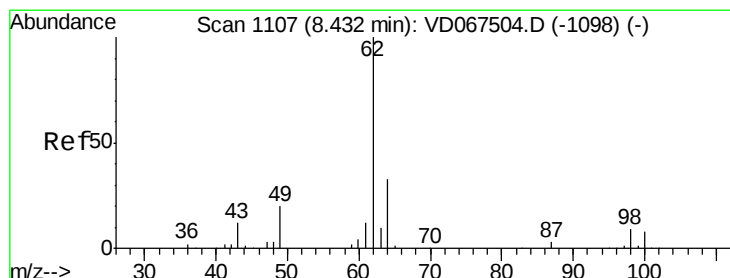
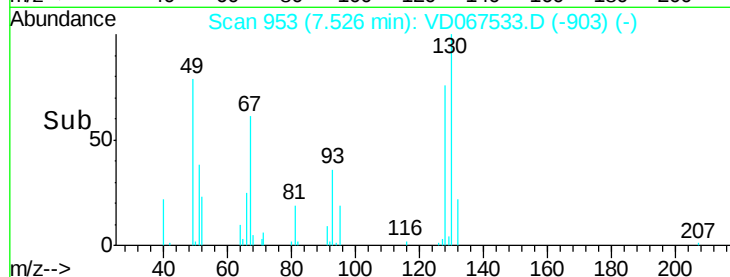
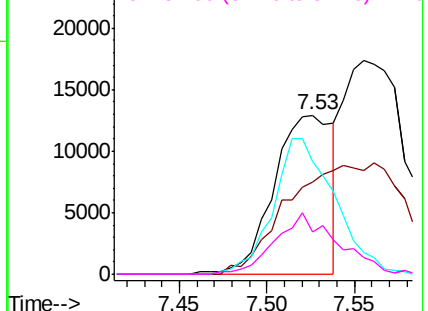


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 47.826 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD067533.D

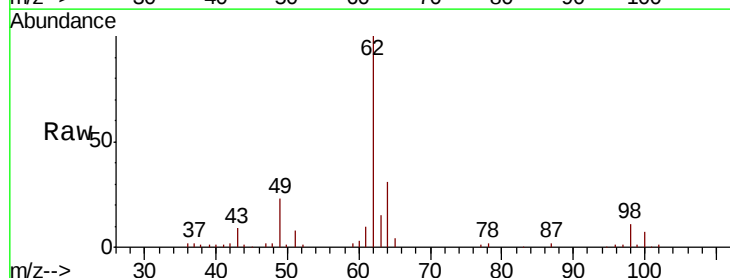
Acq: 05 Nov 2020 09:46

Tgt Ion: 62 Resp: 168505

Ion Ratio Lower Upper

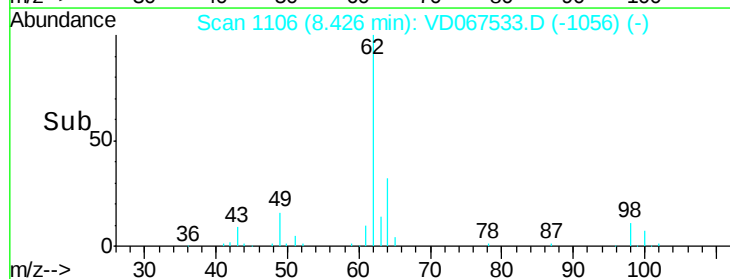
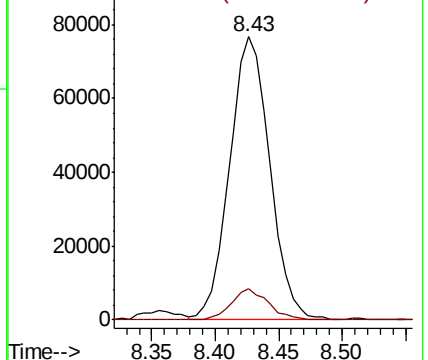
62 100

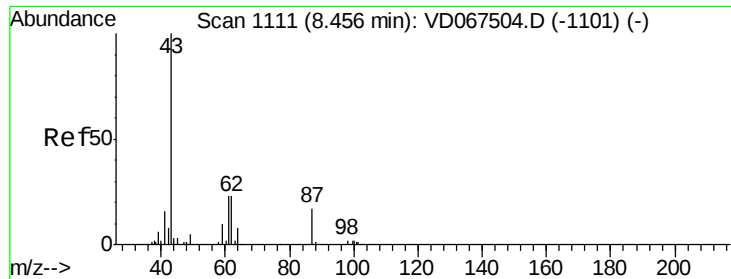
98 10.0 0.0 19.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 47.107 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD067533.D

Acq: 05 Nov 2020 09:46

Instrument :

MSVOA_D

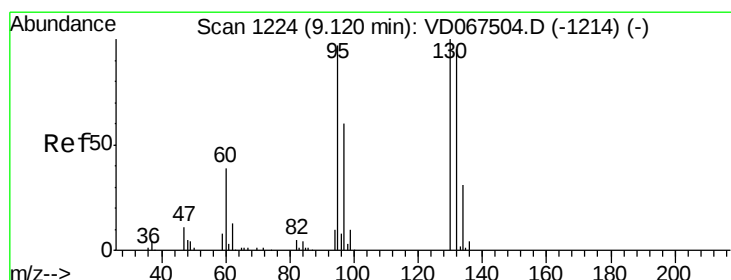
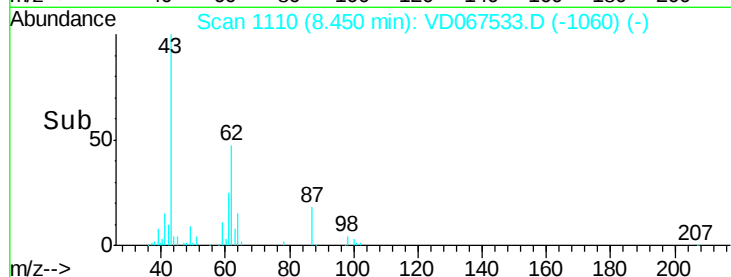
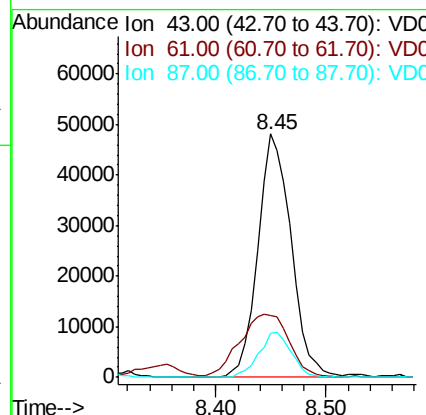
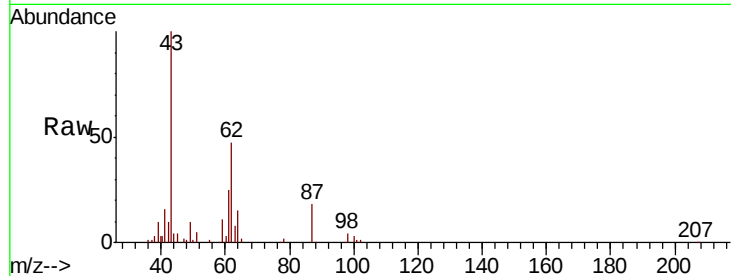
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	101823
Ion	Ratio	Lower	Upper
43	100		
61	38.7	30.5	45.7
87	18.0	14.7	22.1

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#44

Trichloroethene

Concen: 47.728 ug/l

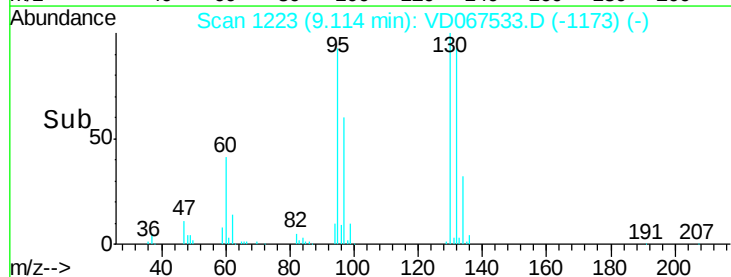
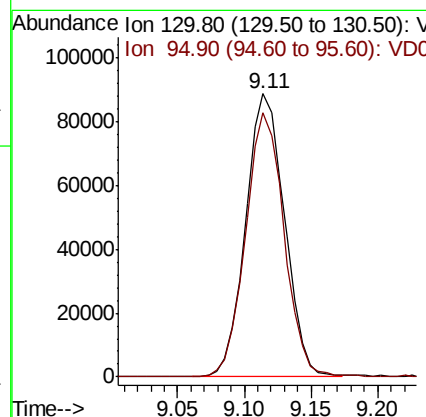
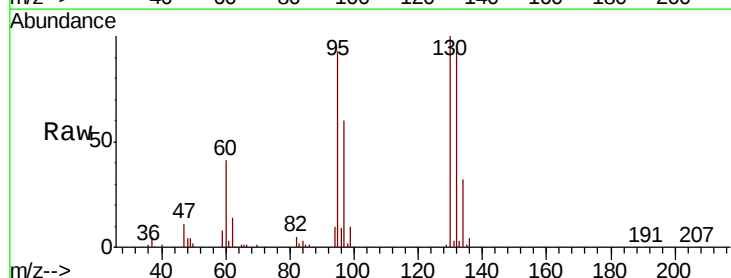
RT: 9.11 min Scan# 1223

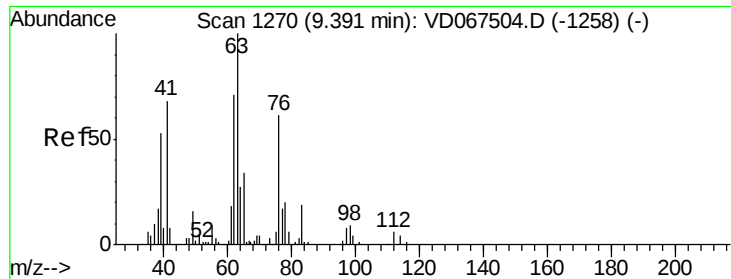
Delta R.T. -0.01 min

Lab File: VD067533.D

Acq: 05 Nov 2020 09:46

Tgt Ion:	130	Resp:	178961
Ion	Ratio	Lower	Upper
130	100		
95	93.5	0.0	194.4





#45

1,2-Dichloropropane

Concen: 47.849 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD067533.D

Acq: 05 Nov 2020 09:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 117974

Ion Ratio Lower Upper

63 100

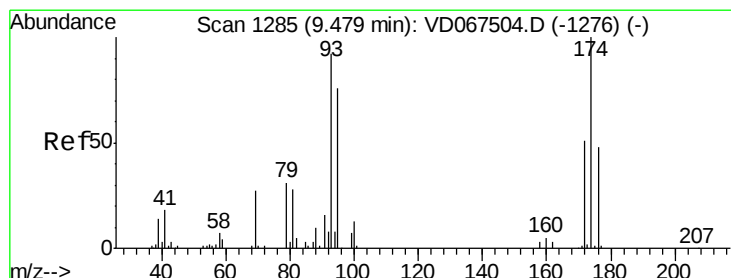
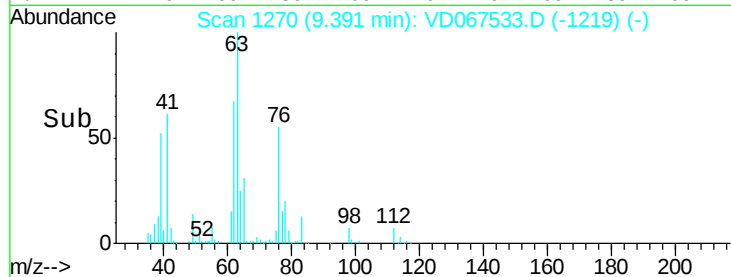
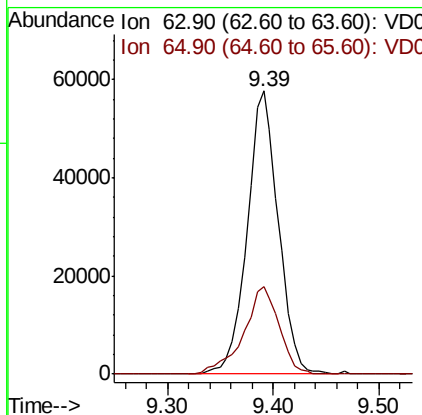
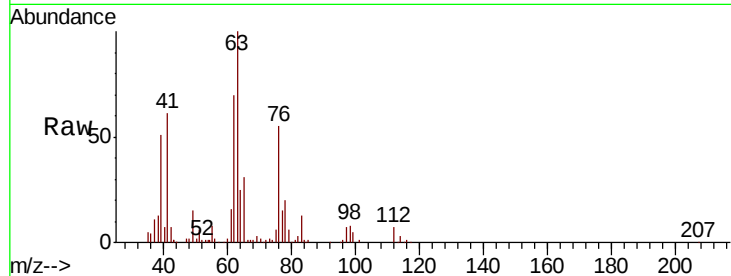
65 30.8 26.9 40.3

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#46

Dibromomethane

Concen: 49.225 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD067533.D

Acq: 05 Nov 2020 09:46

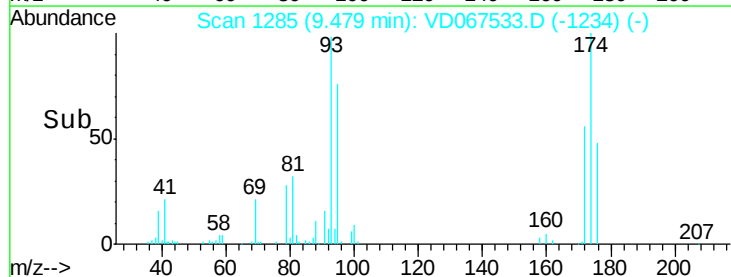
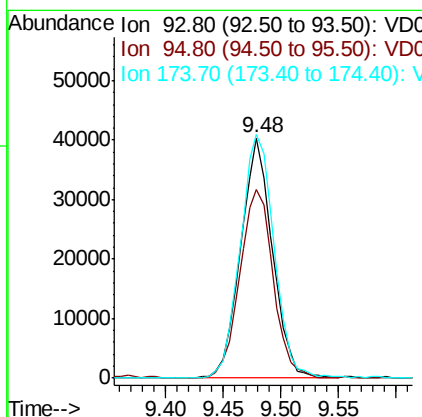
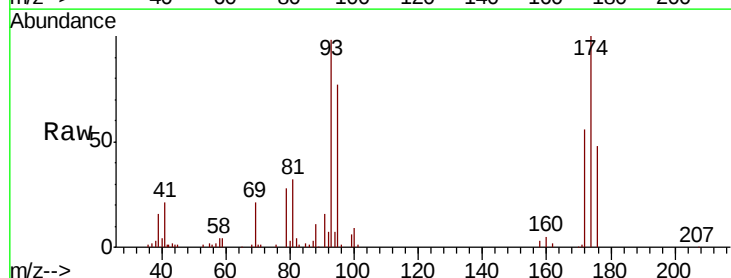
Tgt Ion: 93 Resp: 77167

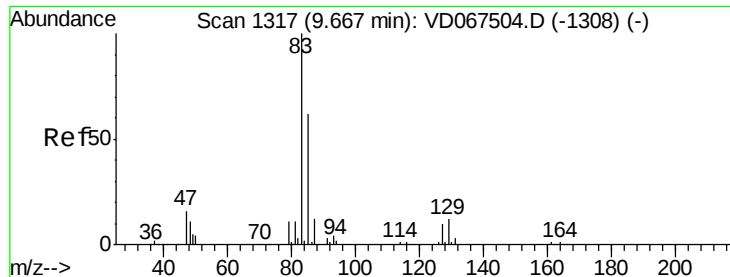
Ion Ratio Lower Upper

93 100

95 82.3 66.4 99.6

174 108.1 88.2 132.4





#47

Bromodichloromethane

Concen: 49.113 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD067533.D

Acq: 05 Nov 2020 09:46

Instrument :

MSVOA_D

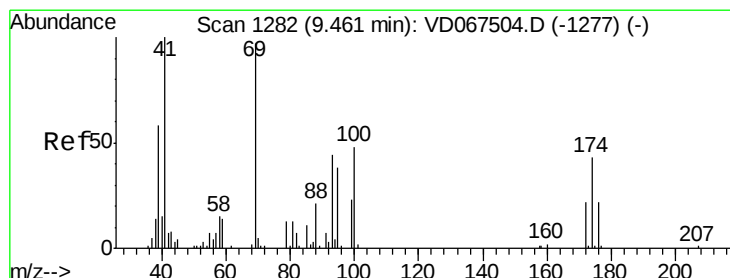
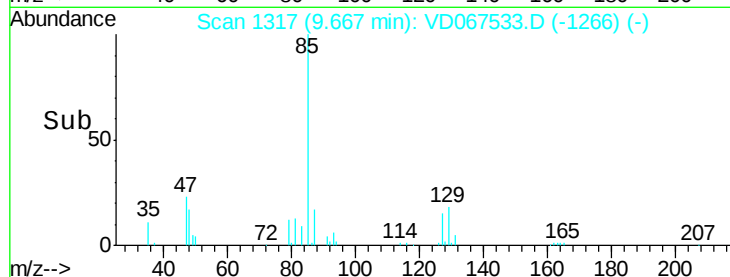
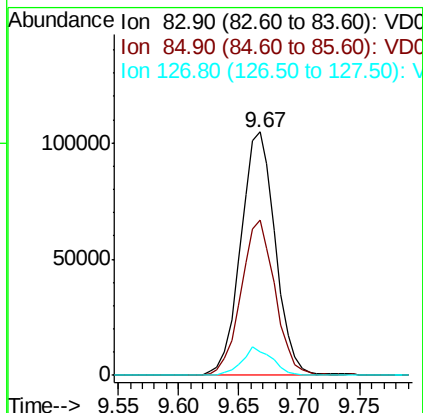
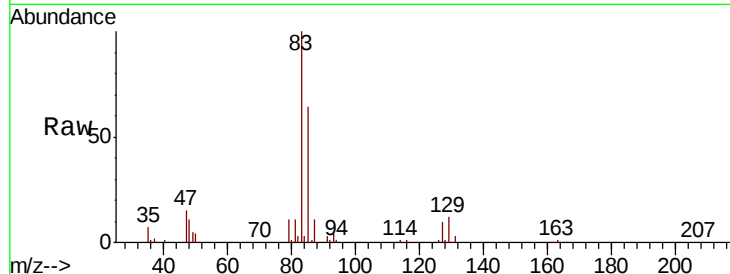
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	209264
Ion	Ratio	Lower	Upper
83	100		
85	63.8	49.4	74.2
127	9.7	7.7	11.5

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#48

Methyl methacrylate

Concen: 50.480 ug/l

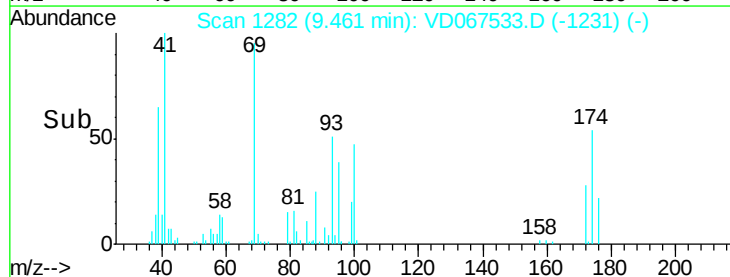
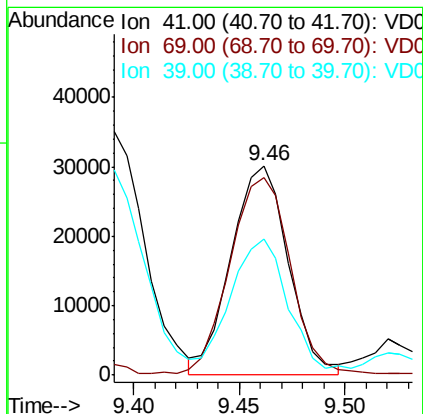
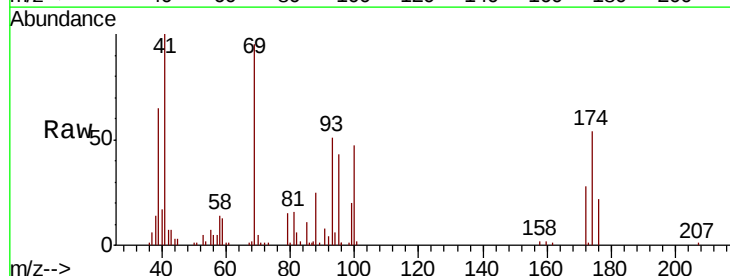
RT: 9.46 min Scan# 1282

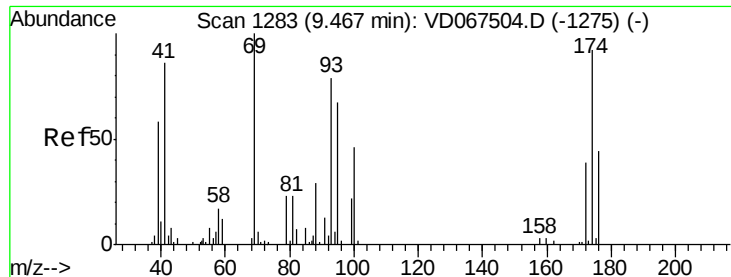
Delta R.T. 0.00 min

Lab File: VD067533.D

Acq: 05 Nov 2020 09:46

Tgt Ion:	41	Resp:	56338
Ion	Ratio	Lower	Upper
41	100		
69	101.5	80.6	121.0
39	59.7	50.2	75.4





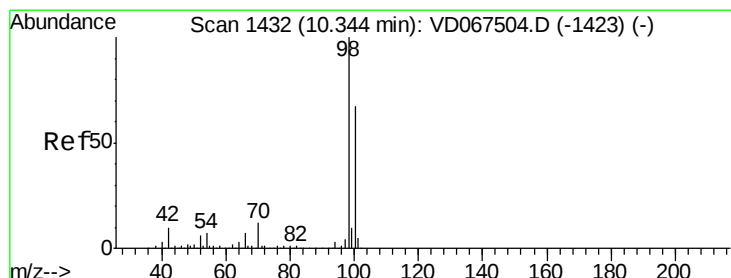
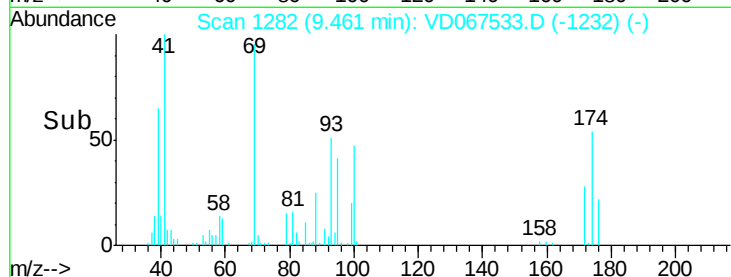
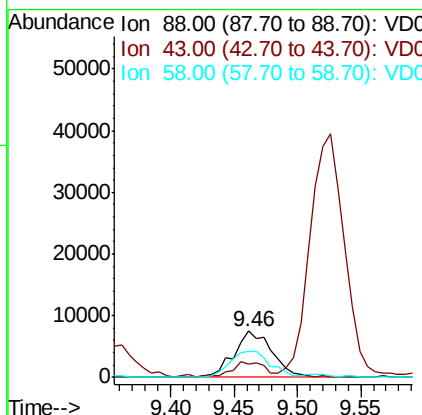
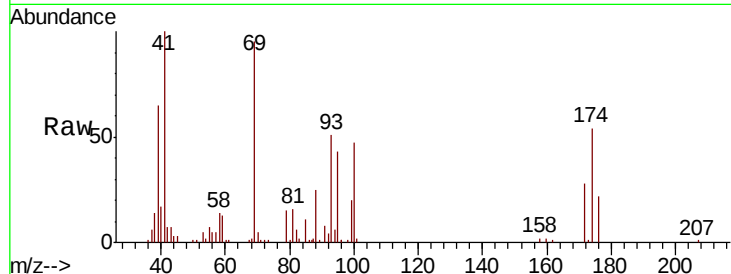
#49
 1,4-Dioxane
 Concen: 984.648 ug/l
 RT: 9.46 min Scan# 1282
 Delta R.T. -0.01 min
 Lab File: VD067533.D
 Acq: 05 Nov 2020 09:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 88 Resp: 15670
 Ion Ratio Lower Upper
 88 100
 43 28.3 23.6 35.4
 58 59.1 44.7 67.1

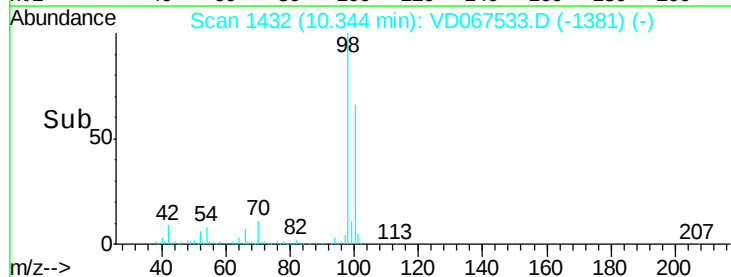
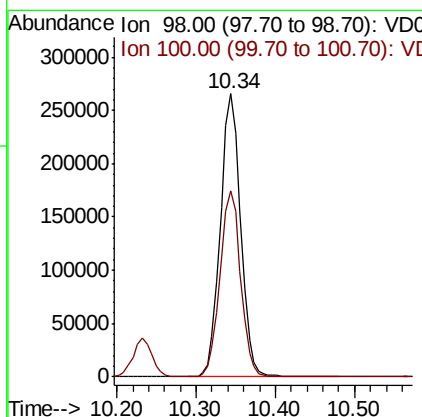
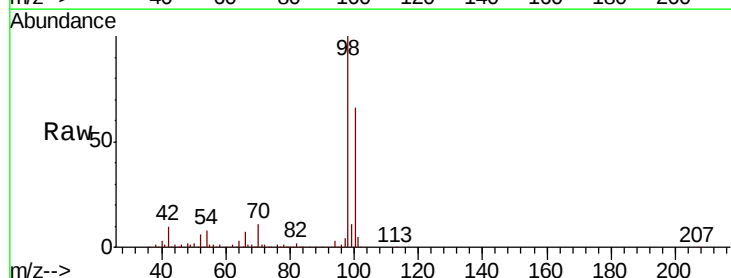
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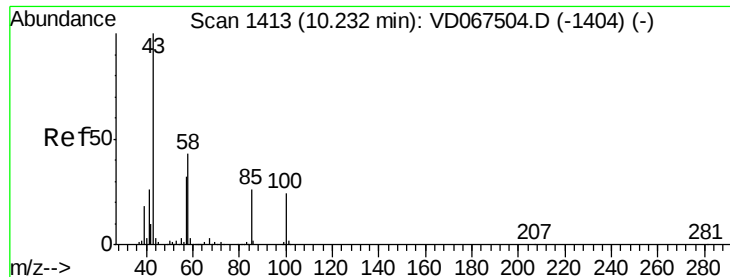
MMDadoda
 11/6/2020 9:24:26 AM



#50
 Toluene-d8
 Concen: 45.328 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: VD067533.D
 Acq: 05 Nov 2020 09:46

Tgt Ion: 98 Resp: 472015
 Ion Ratio Lower Upper
 98 100
 100 66.7 53.0 79.6





#51

4-Methyl-2-Pentanone

Concen: 252.912 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067533.D

Acq: 05 Nov 2020 09:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 261451

Ion Ratio Lower Upper

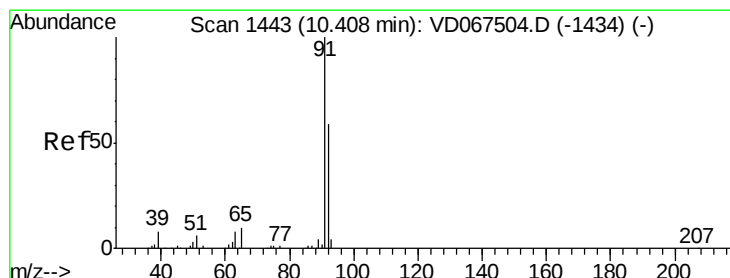
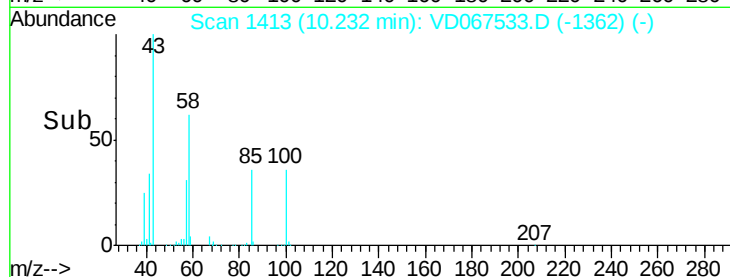
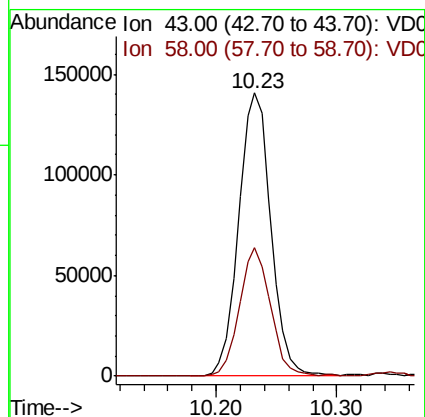
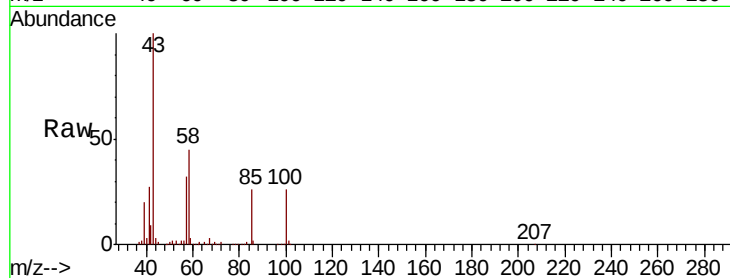
43 100

58 43.5 35.6 53.4

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#52

Toluene

Concen: 49.546 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067533.D

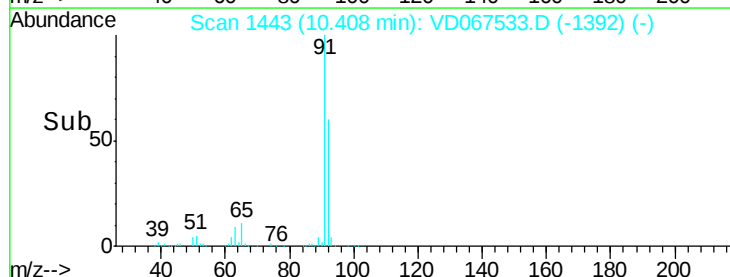
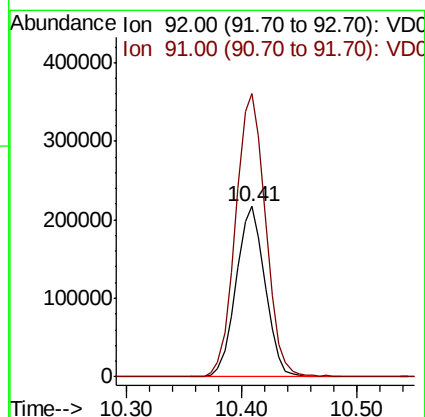
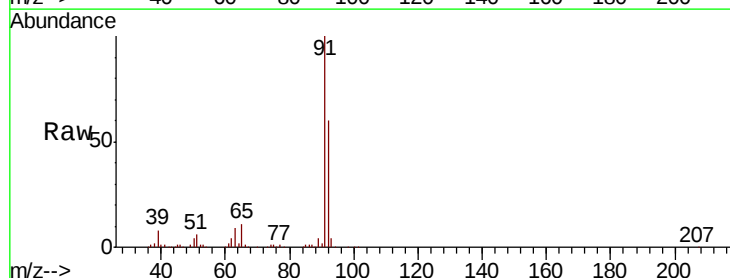
Acq: 05 Nov 2020 09:46

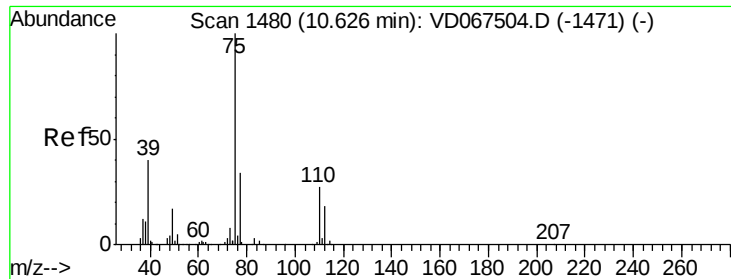
Tgt Ion: 92 Resp: 378438

Ion Ratio Lower Upper

92 100

91 172.1 137.0 205.6





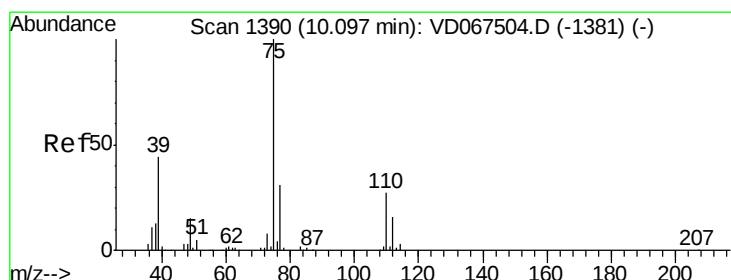
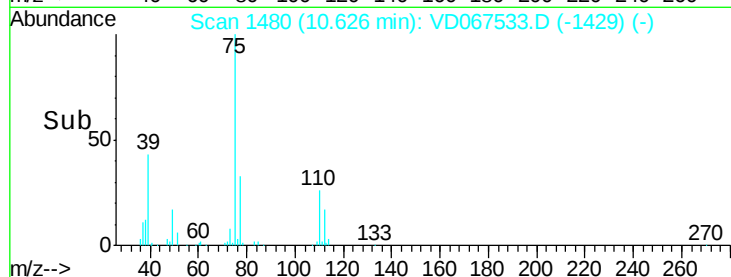
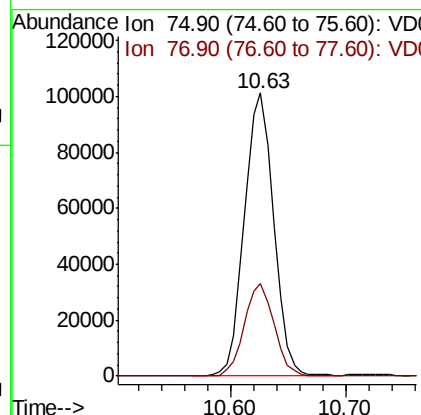
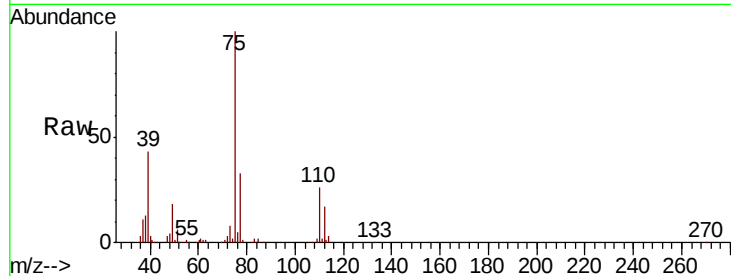
#53
t-1,3-Dichloropropene
Concen: 49.115 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD067533.D
Acq: 05 Nov 2020 09:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	75	Resp	179235
Ion Ratio	Lower	Upper	
75	100		
77	32.9	27.0	40.6

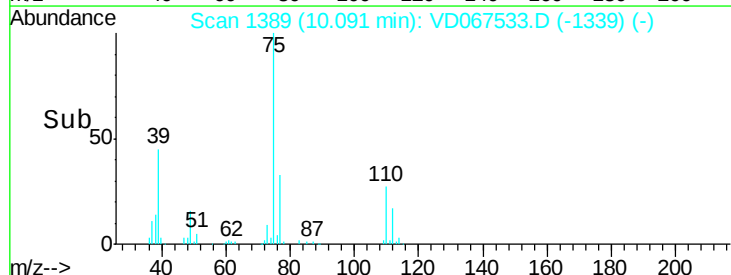
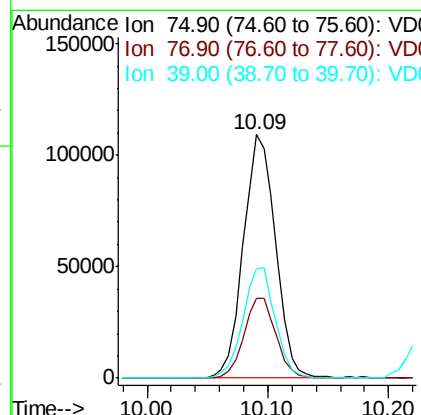
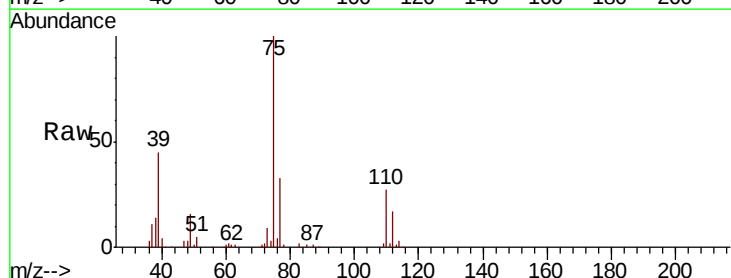
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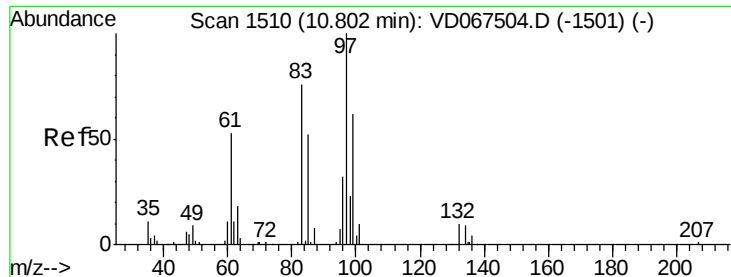
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 47.016 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VD067533.D
Acq: 05 Nov 2020 09:46

Tgt Ion	75	Resp	203847
Ion Ratio	Lower	Upper	
75	100		
77	32.6	24.4	36.6
39	44.5	35.6	53.4





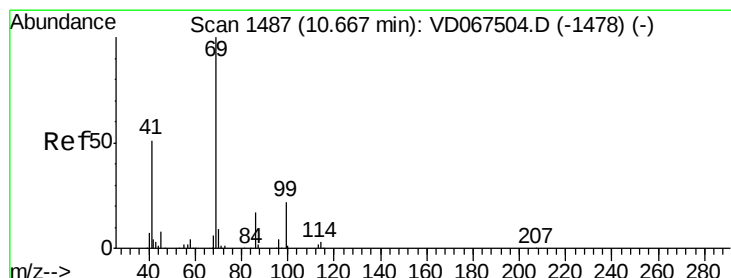
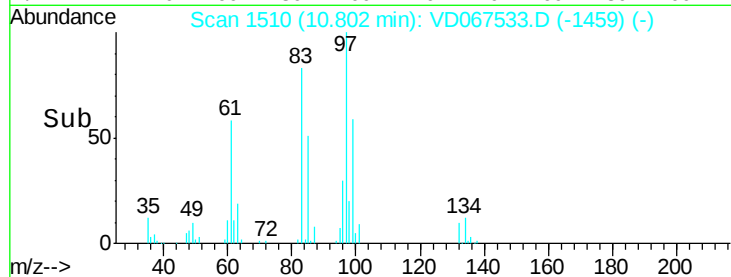
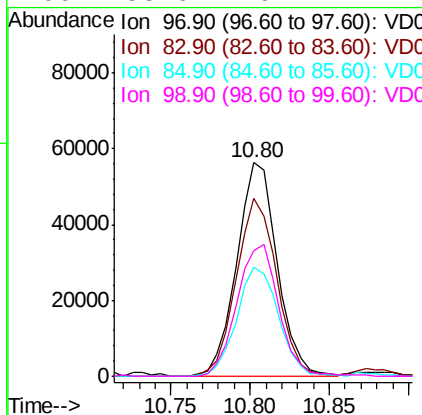
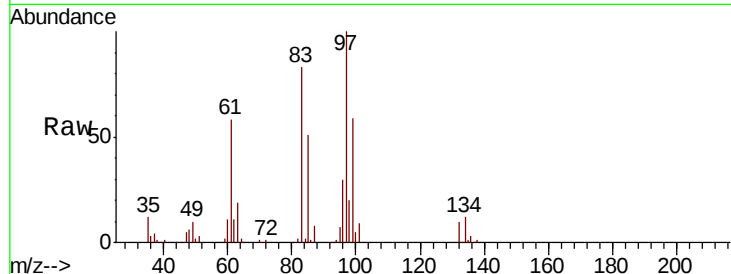
#55
 1,1,2-Trichloroethane
 Concen: 48.274 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD067533.D
 Acq: 05 Nov 2020 09:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	97	Resp	100129
Ion	Ratio	Lower	Upper
97	100		
83	83.1	61.0	91.6
85	51.2	41.5	62.3
99	58.6	49.4	74.2

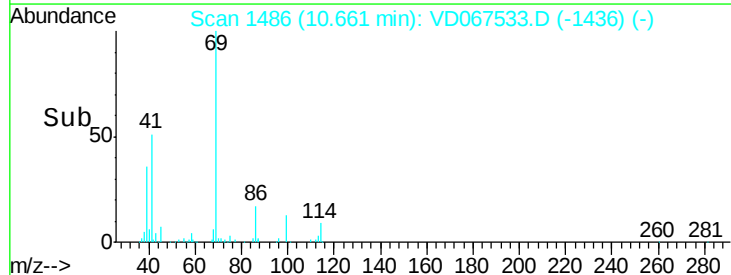
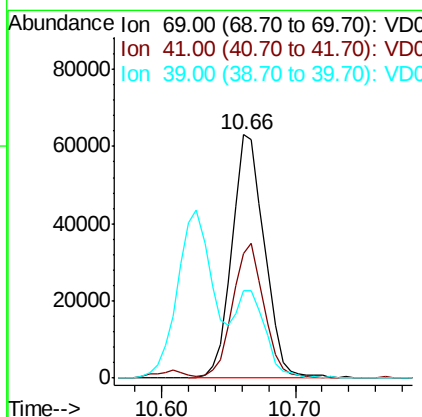
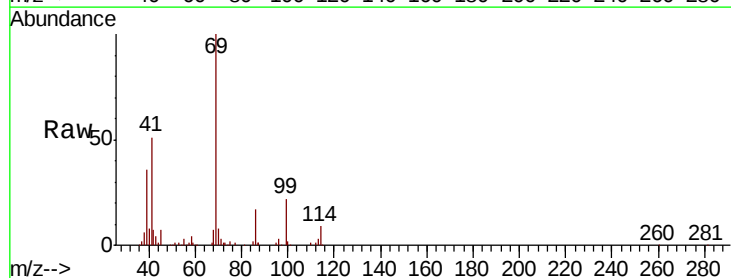
Manual Integrations
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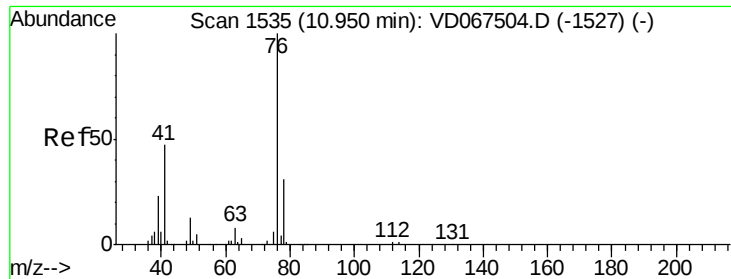
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#56
 Ethyl methacrylate
 Concen: 49.929 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VD067533.D
 Acq: 05 Nov 2020 09:46

Tgt Ion	69	Resp	106945
Ion	Ratio	Lower	Upper
69	100		
41	54.0	45.4	68.0
39	31.8	27.4	41.0





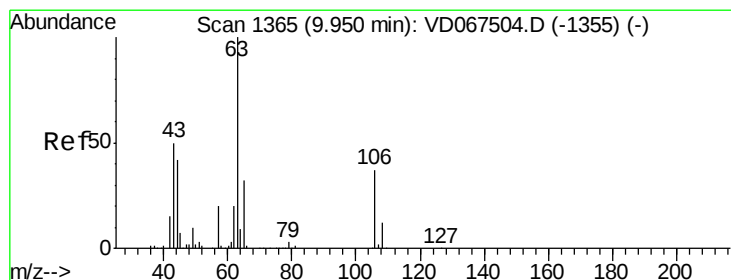
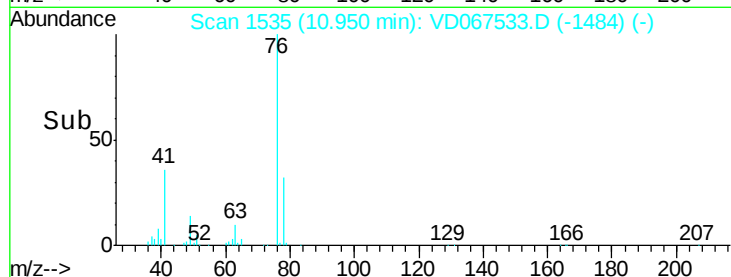
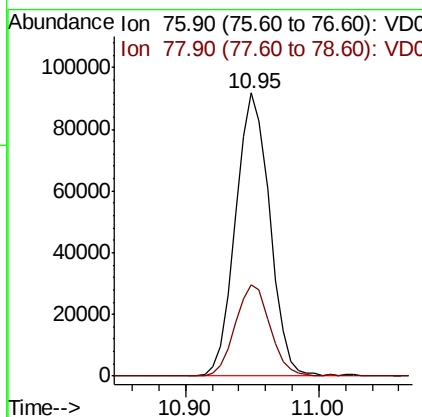
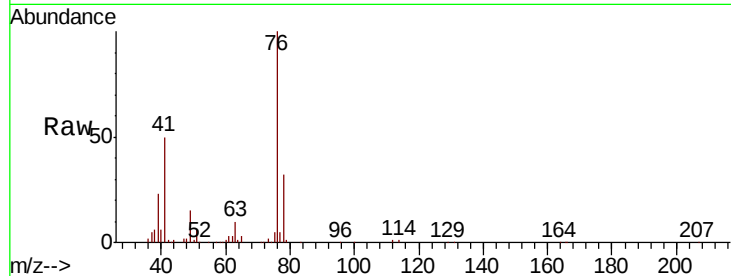
#57
 1,3-Dichloropropane
 Concen: 48.749 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD067533.D
 Acq: 05 Nov 2020 09:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 162713
 Ion Ratio Lower Upper
 76 100
 78 33.0 26.1 39.1

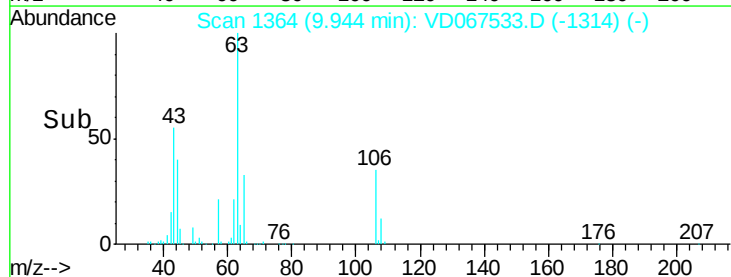
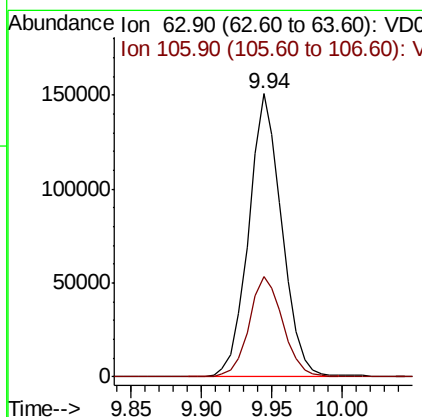
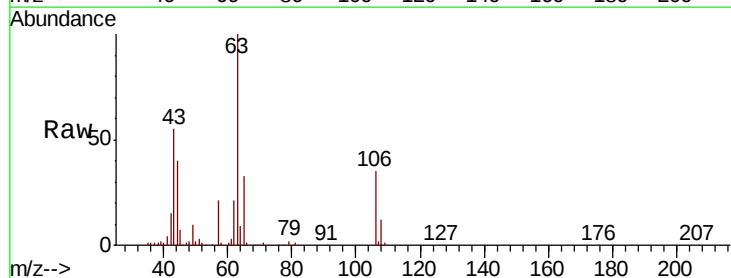
Manual Integrations
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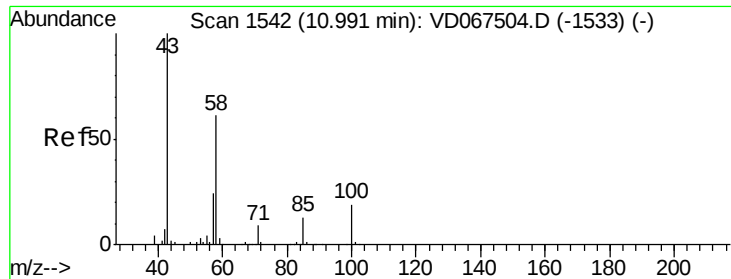
MMDadoda
 11/6/2020 9:24:26 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 248.236 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VD067533.D
 Acq: 05 Nov 2020 09:46

Tgt Ion: 63 Resp: 247952
 Ion Ratio Lower Upper
 63 100
 106 36.2 29.2 43.8





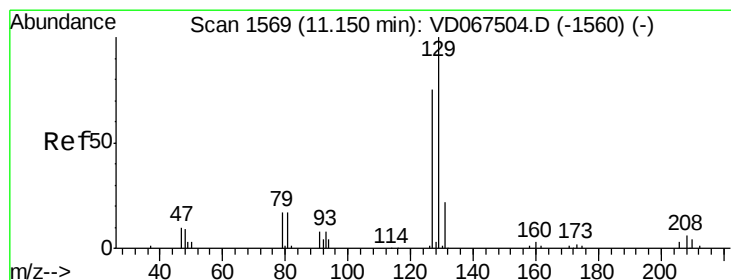
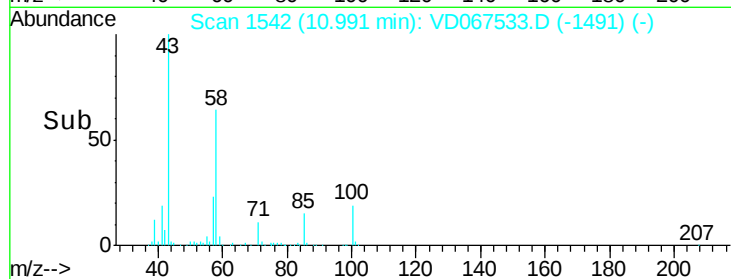
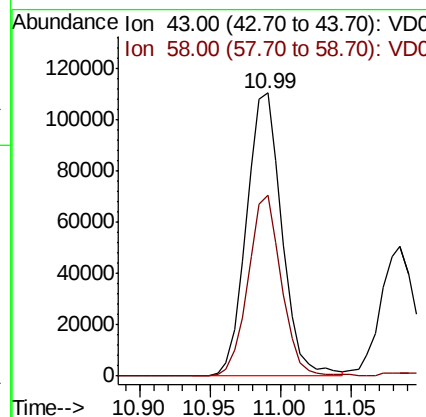
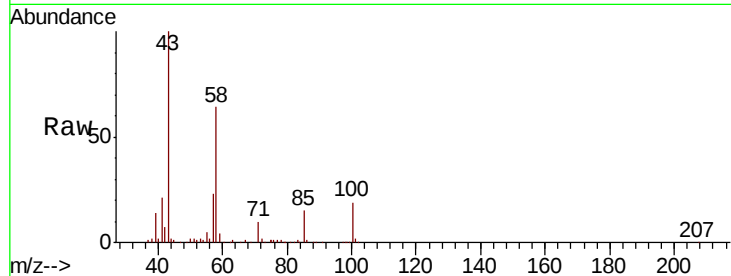
#59
2-Hexanone
Concen: 269.500 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067533.D
Acq: 05 Nov 2020 09:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	60.2	30.3	90.9

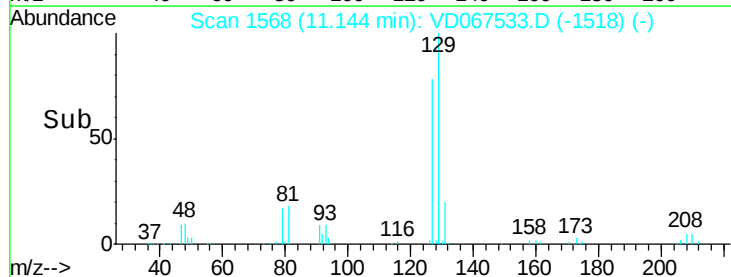
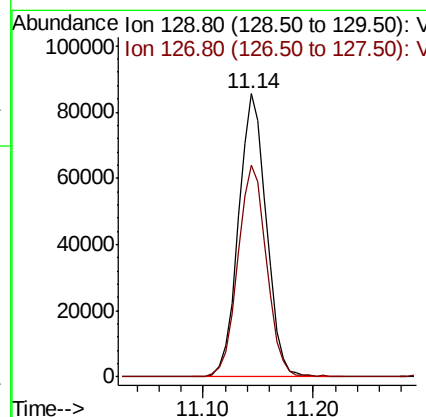
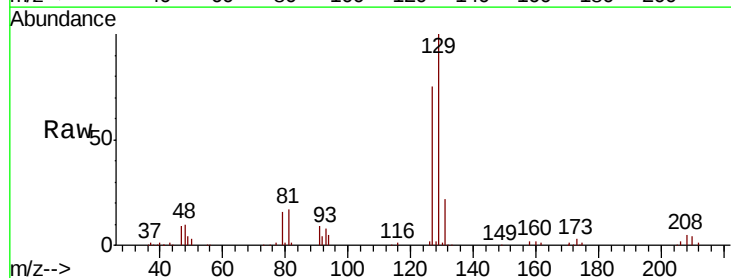
Manual Integrations
APPROVED

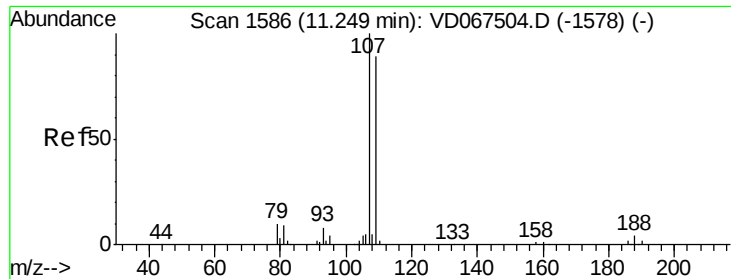
MMDadoda
11/6/2020 9:24:26 AM



#60
Dibromochloromethane
Concen: 49.504 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.01 min
Lab File: VD067533.D
Acq: 05 Nov 2020 09:46

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.9	38.0	114.1





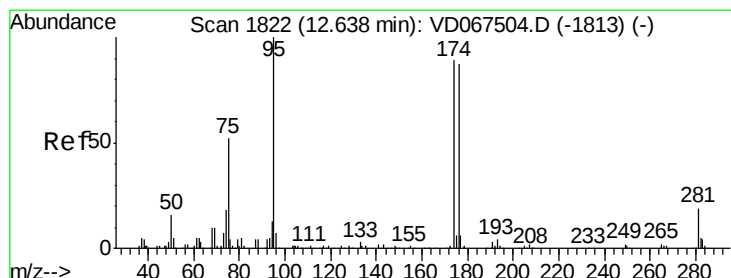
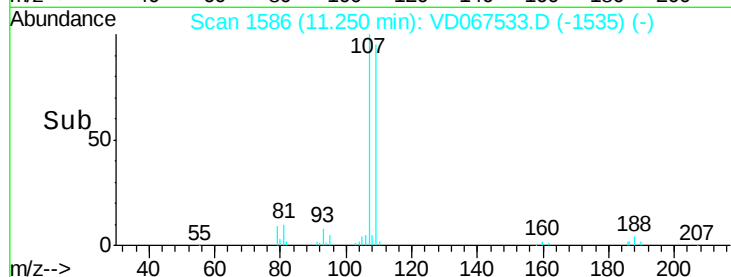
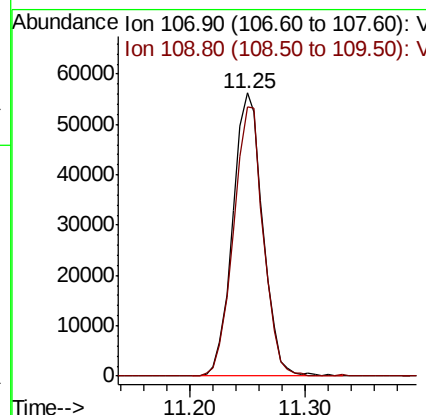
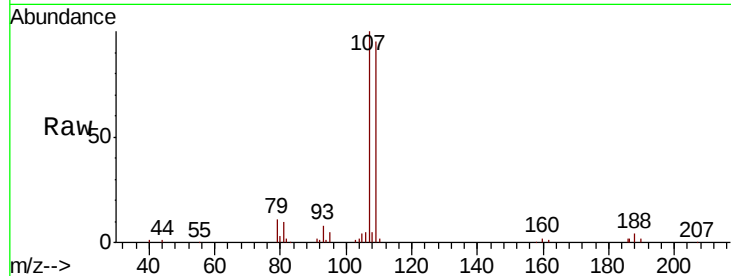
#61
 1,2-Dibromoethane
 Concen: 48.580 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067533.D
 Acq: 05 Nov 2020 09:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	74.6	111.8

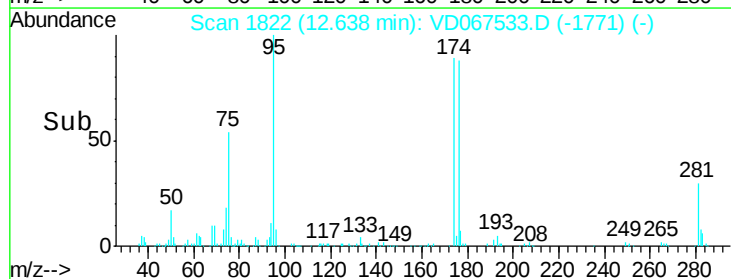
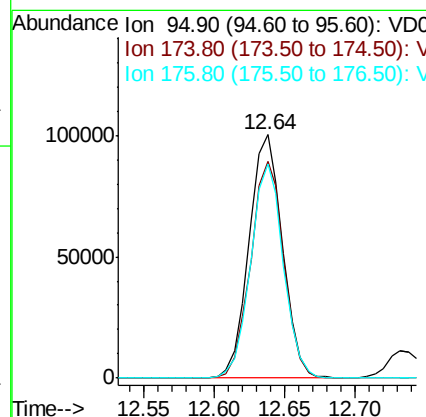
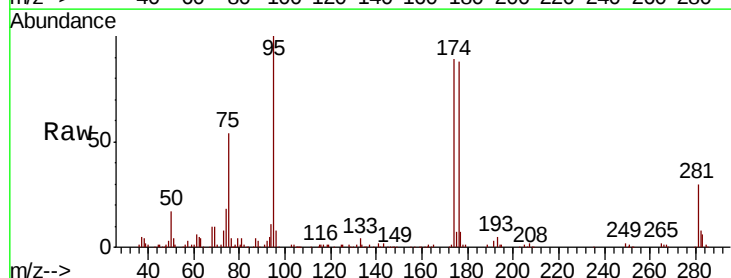
Manual Integrations
 APPROVED

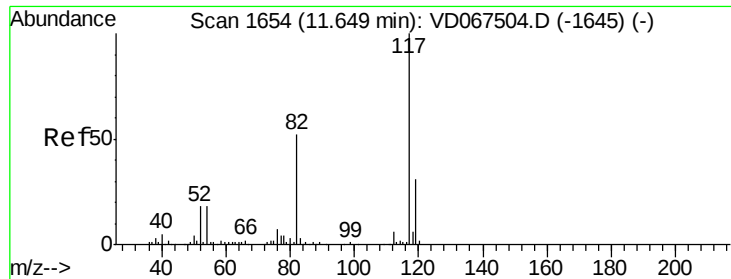
MMDadoda
 11/6/2020 9:24:26 AM



#62
 4-Bromofluorobenzene
 Concen: 46.402 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067533.D
 Acq: 05 Nov 2020 09:46

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.1	0.0	177.8
176	85.8	0.0	172.0





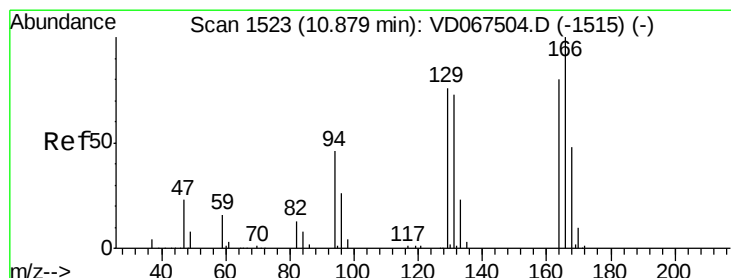
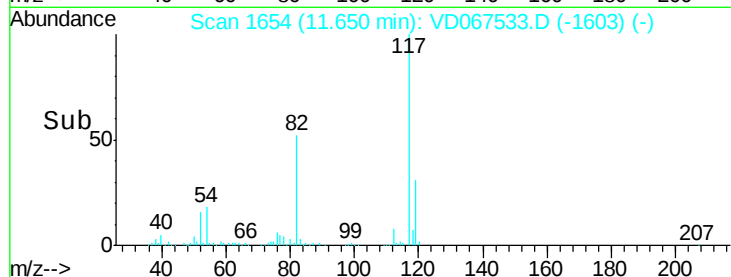
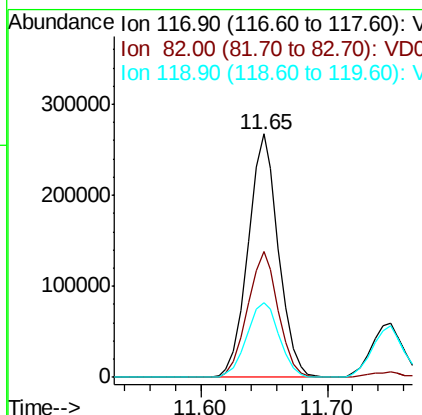
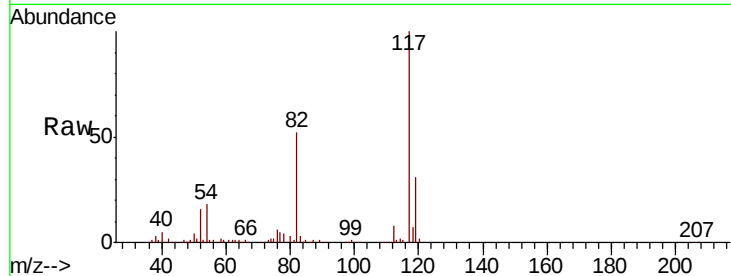
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067533.D
Acq: 05 Nov 2020 09:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.8	41.6	62.4
119	30.7	25.1	37.7

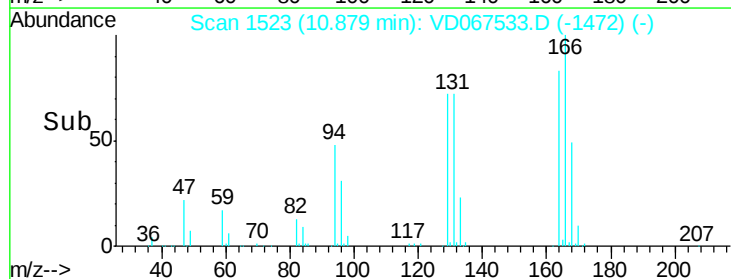
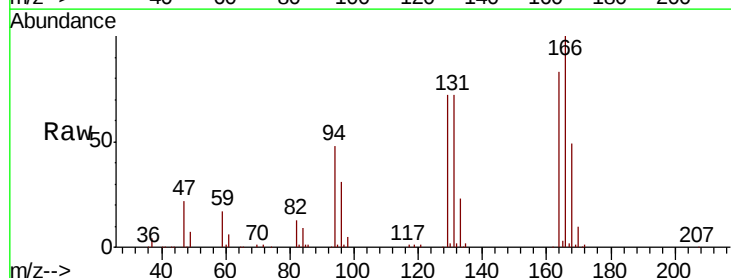
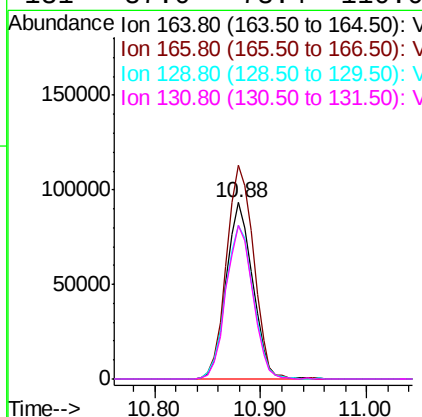
Manual Integrations
APPROVED

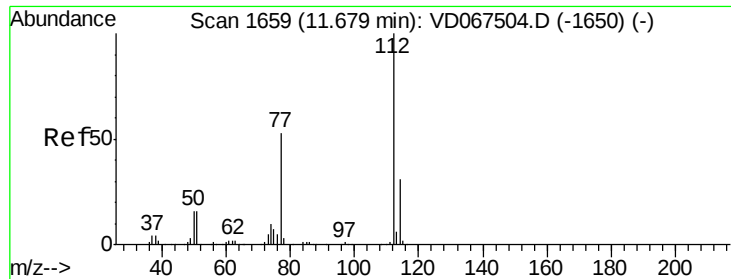
MMDadoda
11/6/2020 9:24:26 AM



#64
Tetrachloroethene
Concen: 49.057 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067533.D
Acq: 05 Nov 2020 09:46

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.1	99.9	149.9
129	87.2	75.5	113.3
131	87.0	73.4	110.0





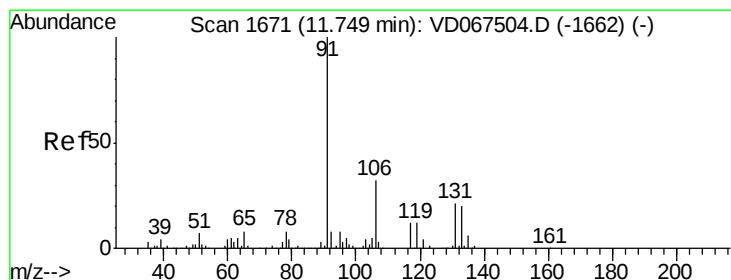
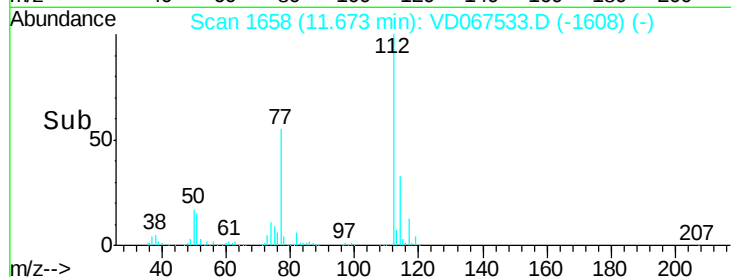
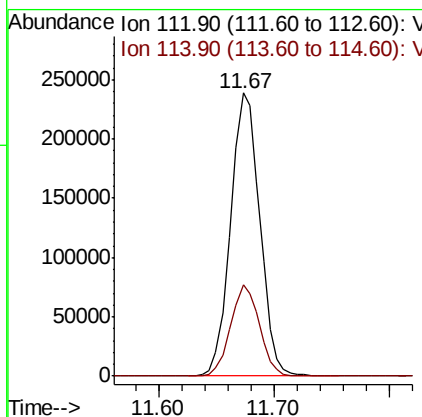
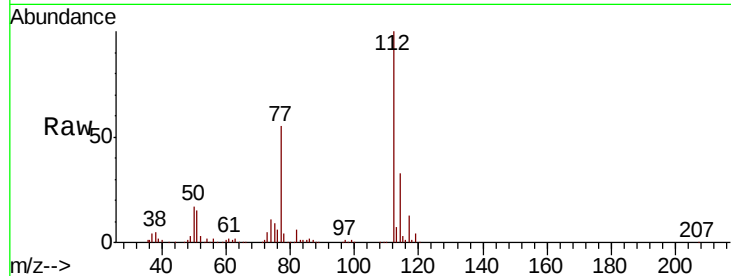
#65
Chlorobenzene
Concen: 48.690 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD067533.D
Acq: 05 Nov 2020 09:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 417766
Ion Ratio Lower Upper
112 100
114 32.5 24.9 37.3

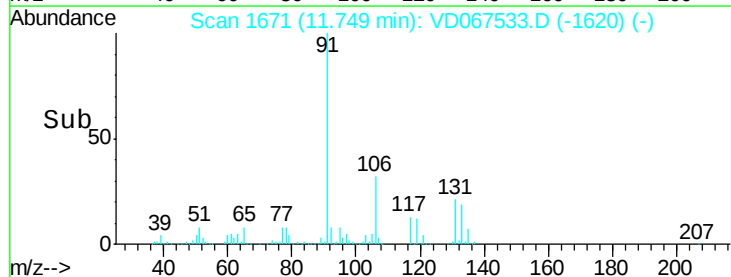
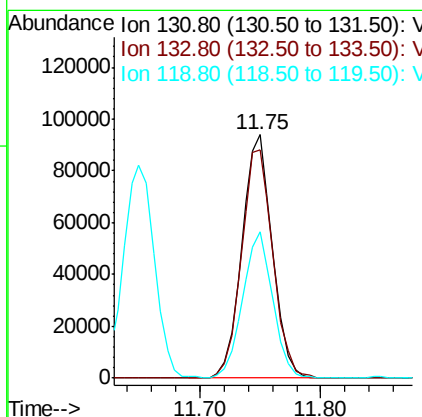
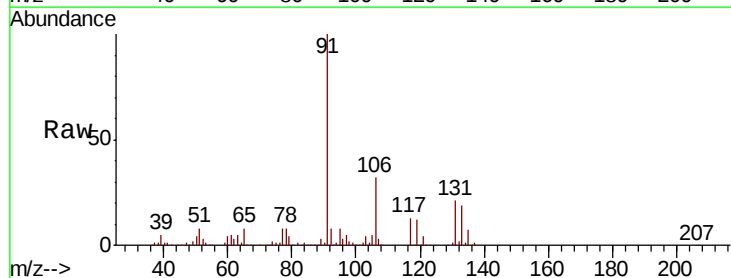
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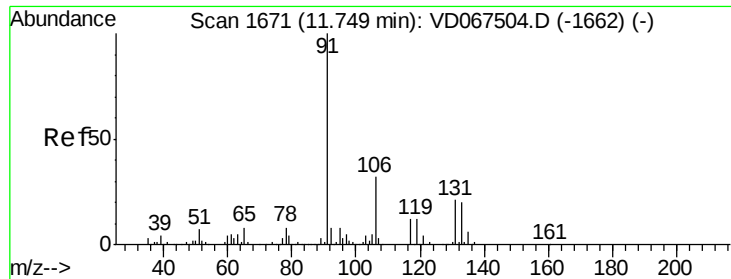
MMDadoda
11/6/2020 9:24:26 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 48.524 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067533.D
Acq: 05 Nov 2020 09:46

Tgt Ion:131 Resp: 164092
Ion Ratio Lower Upper
131 100
133 97.1 48.0 144.0
119 59.4 30.1 90.5





#67

Ethyl Benzene

Concen: 49.929 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067533.D

Acq: 05 Nov 2020 09:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 733061

Ion Ratio Lower Upper

91 100

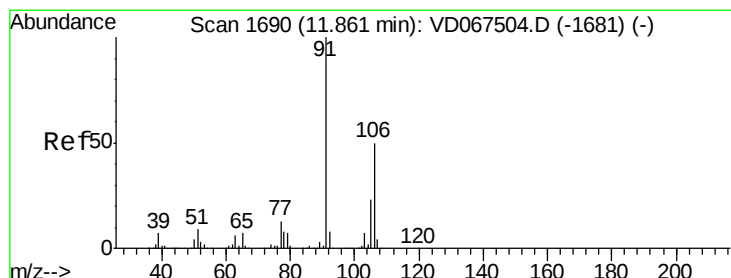
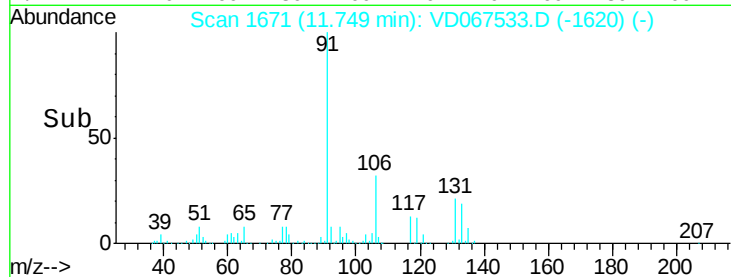
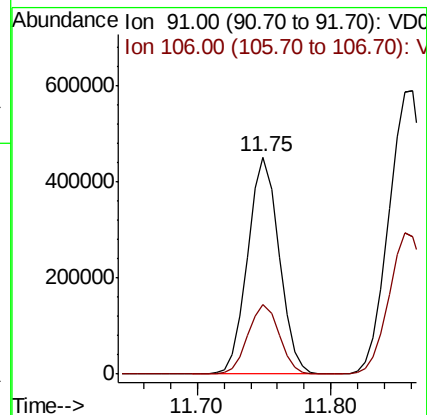
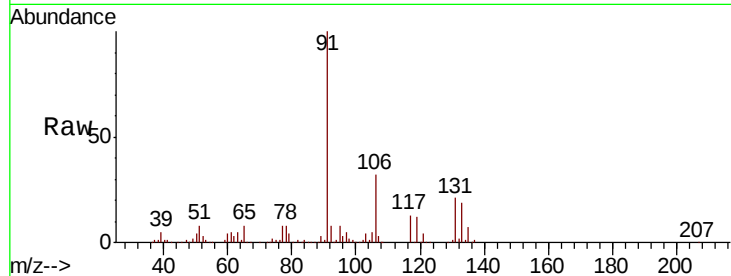
106 32.3 25.7 38.5

Manual Integrations

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MMDadoda

11/6/2020 9:24:26 AM



#68

m/p-Xylenes

Concen: 100.083 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.01 min

Lab File: VD067533.D

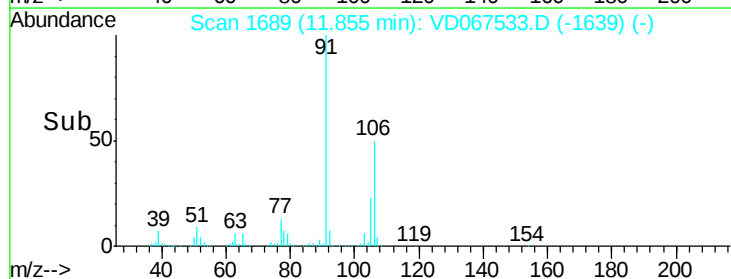
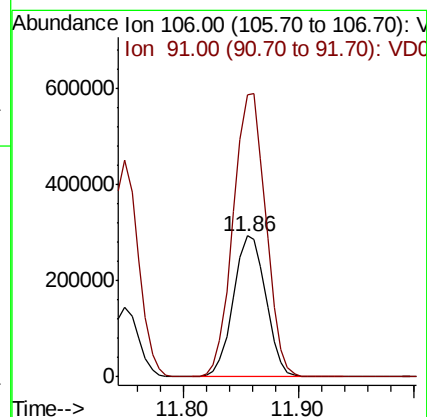
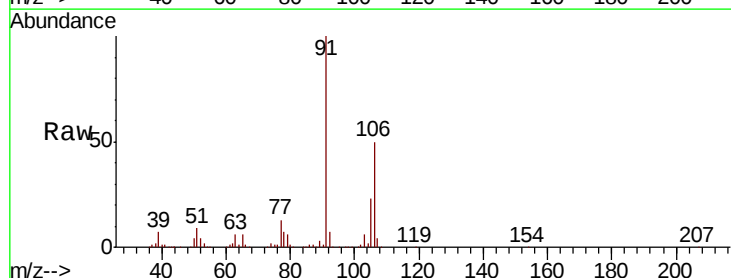
Acq: 05 Nov 2020 09:46

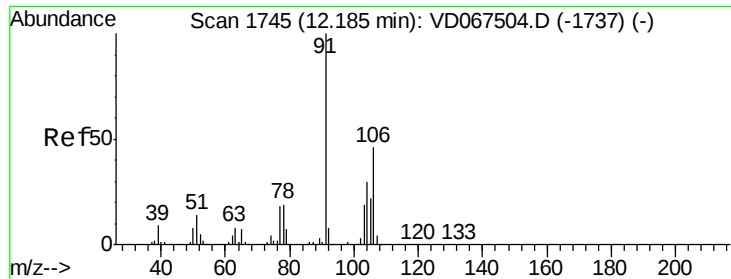
Tgt Ion: 106 Resp: 571675

Ion Ratio Lower Upper

106 100

91 201.5 162.6 244.0





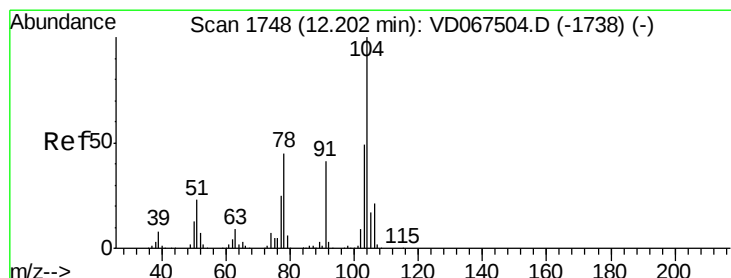
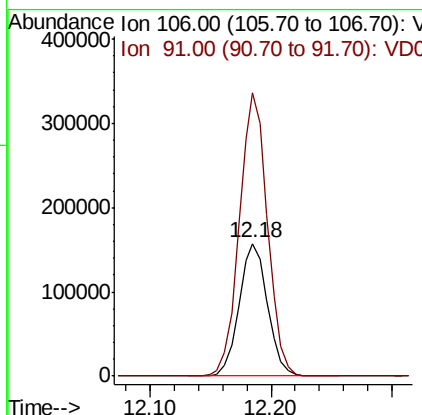
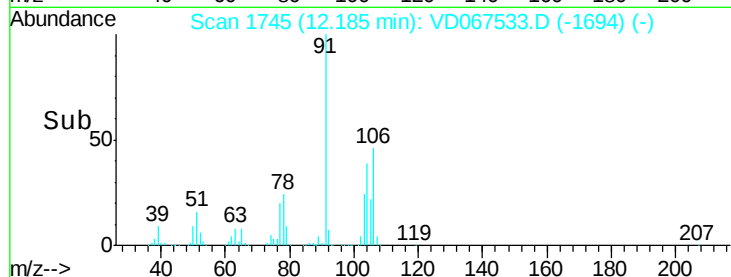
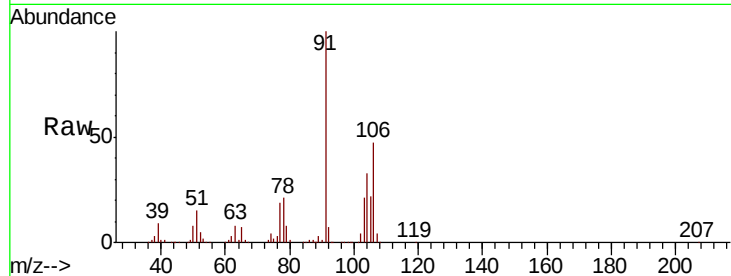
#69
o-Xylene
Concen: 50.447 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067533.D
Acq: 05 Nov 2020 09:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 257271
Ion Ratio Lower Upper
106 100
91 211.7 107.1 321.1

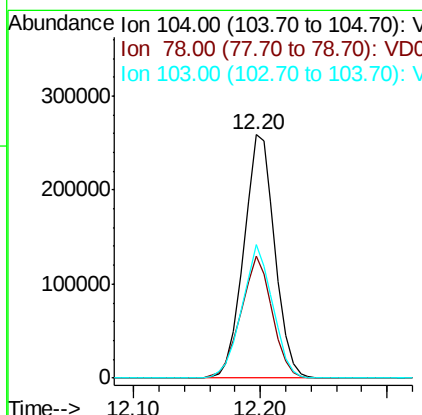
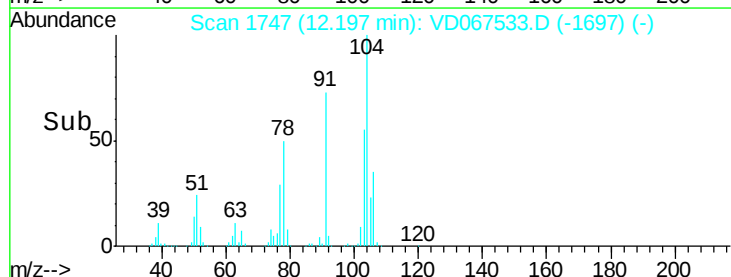
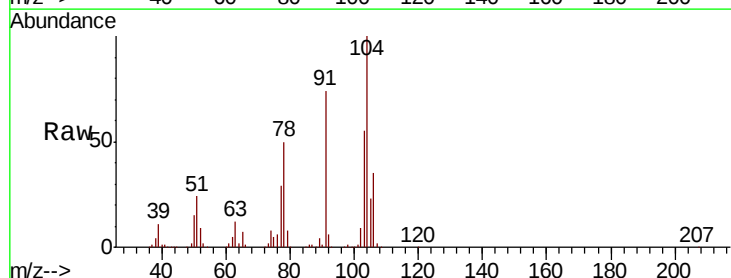
Manual Integrations
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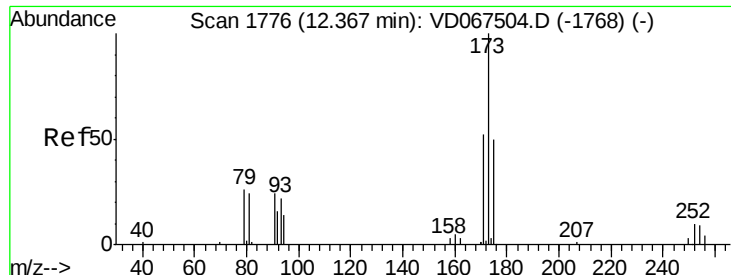
MMDadoda
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#70
Styrene
Concen: 49.253 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD067533.D
Acq: 05 Nov 2020 09:46

Tgt Ion:104 Resp: 437694
Ion Ratio Lower Upper
104 100
78 50.8 39.8 59.8
103 54.5 43.9 65.9





#71

Bromoform

Concen: 48.366 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD067533.D

Acq: 05 Nov 2020 09:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 83416

Ion Ratio Lower Upper

173 100

175 49.1 24.1 72.2

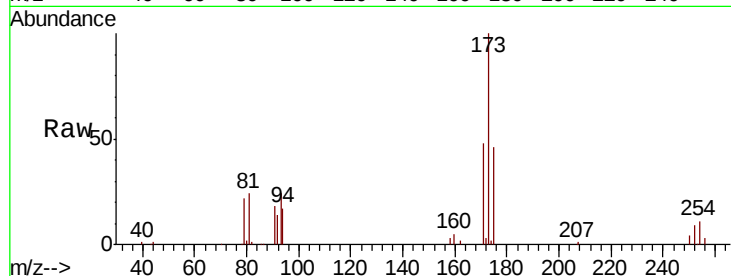
254 0.5 0.0 0.0#

Manual Integrations

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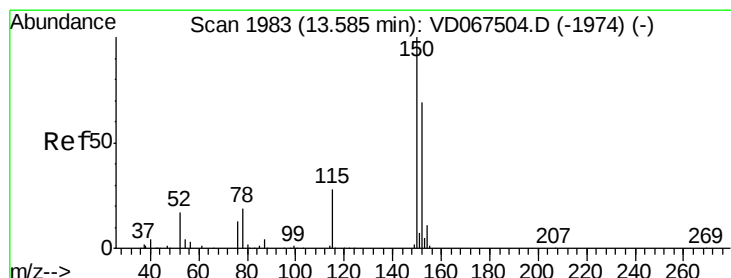
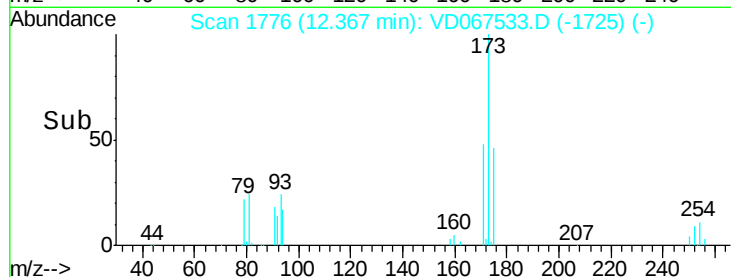
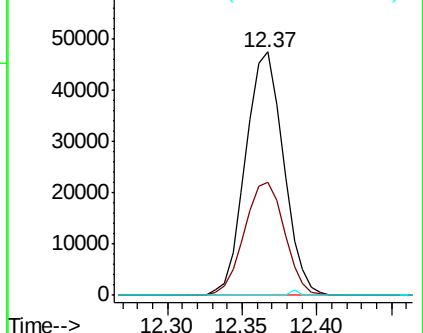
11/6/2020 9:24:26 AM



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. -0.01 min

Lab File: VD067533.D

Acq: 05 Nov 2020 09:46

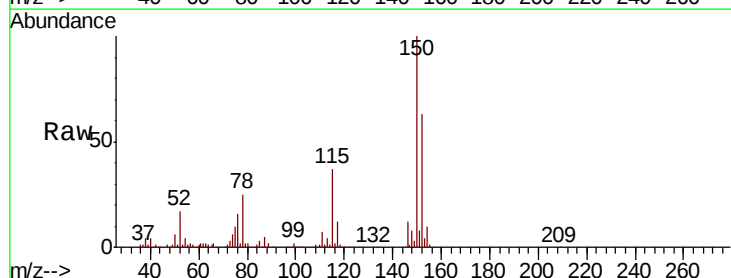
Tgt Ion:152 Resp: 224663

Ion Ratio Lower Upper

152 100

115 59.5 29.3 88.0

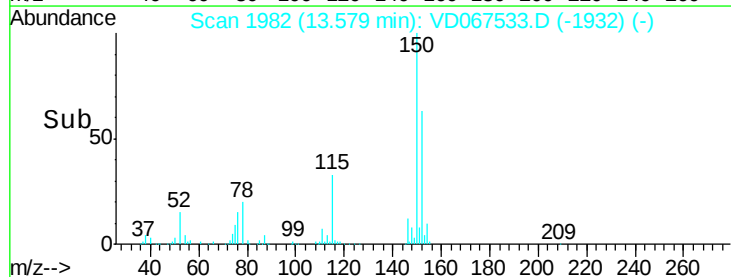
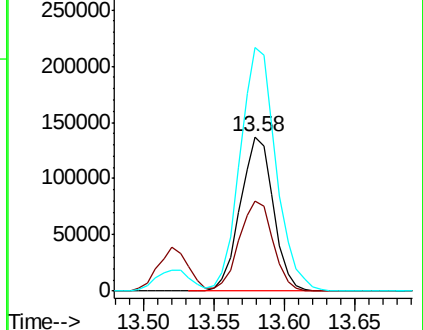
150 171.8 0.0 338.2

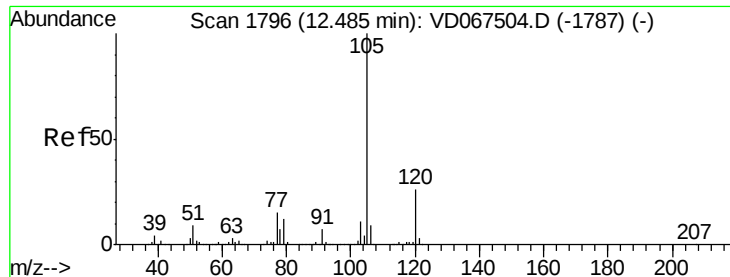


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





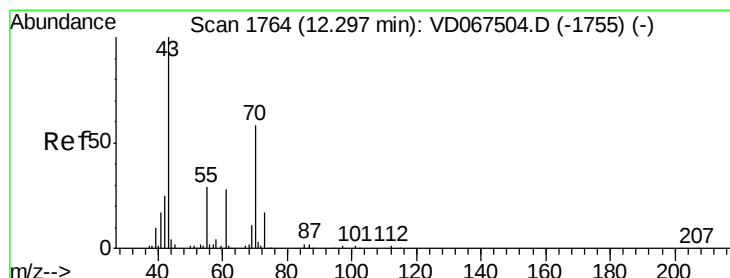
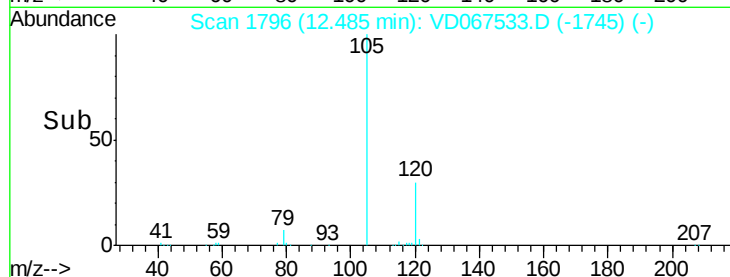
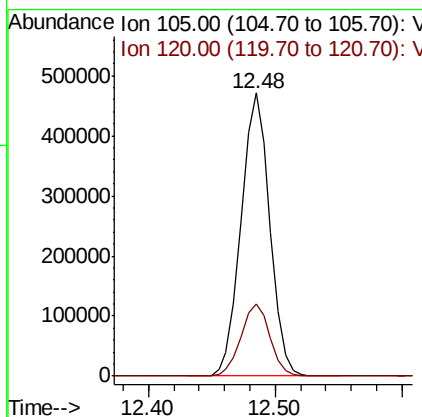
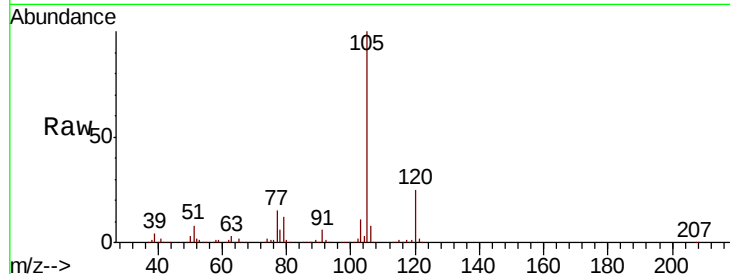
#73
Isopropylbenzene
Concen: 50.863 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD067533.D
Acq: 05 Nov 2020 09:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.8	13.2	39.6

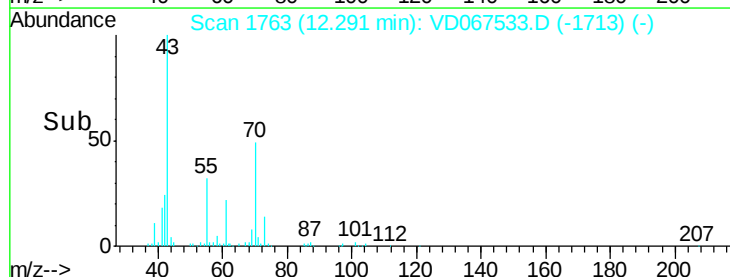
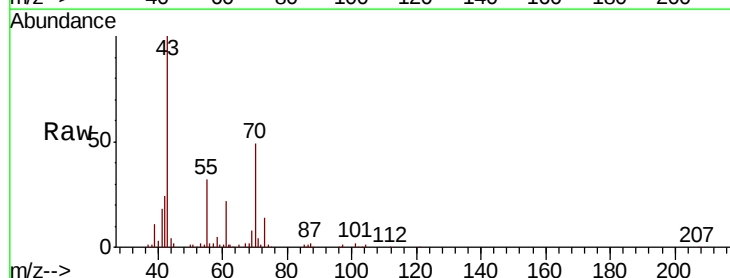
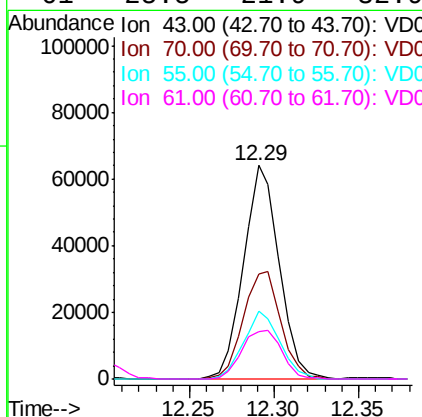
Manual Integrations
APPROVED

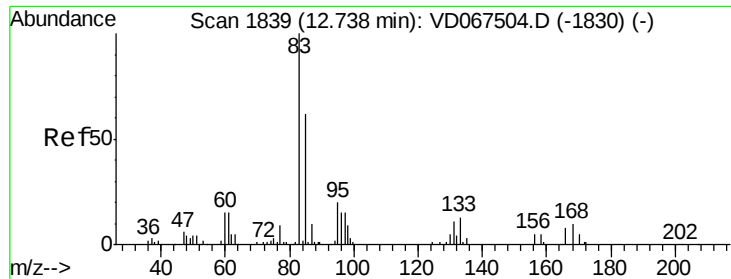
MMDadoda
11/6/2020 9:24:26 AM



#74
N-ethyl acetate
Concen: 49.069 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.01 min
Lab File: VD067533.D
Acq: 05 Nov 2020 09:46

Tgt Ion	Ratio	Lower	Upper
43	100		
70	53.3	42.6	64.0
55	32.1	23.7	35.5
61	25.5	21.9	32.9





#75

1,1,2,2-Tetrachloroethane

Concen: 48.517 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD067533.D

Acq: 05 Nov 2020 09:46

Instrument :

MSVOA_D

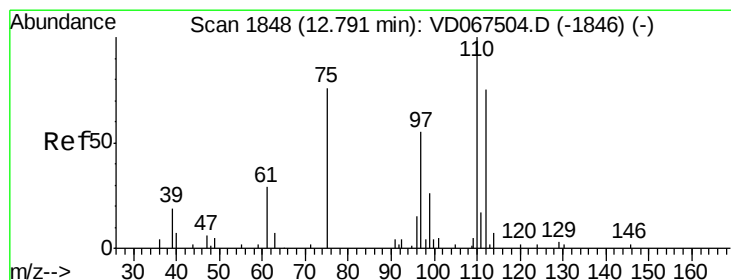
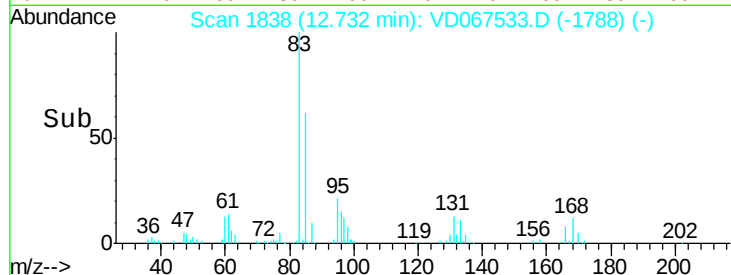
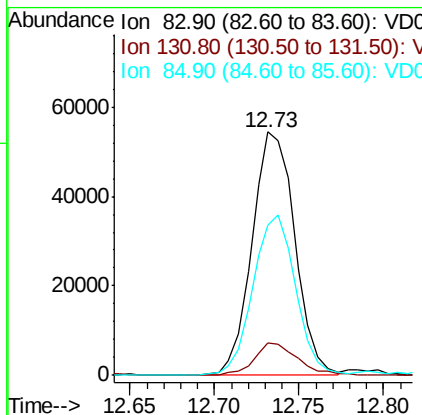
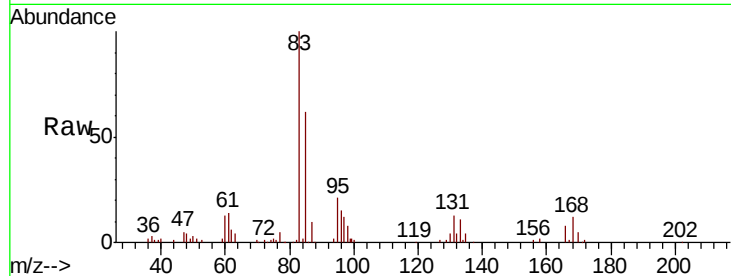
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	96060
Ion Ratio	Lower	Upper	
83	100		
131	13.5	7.1	21.3
85	65.6	32.9	98.7

Manual Integrations
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MMDadoda
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#76

1,2,3-Trichloropropane

Concen: 53.584 ug/l m

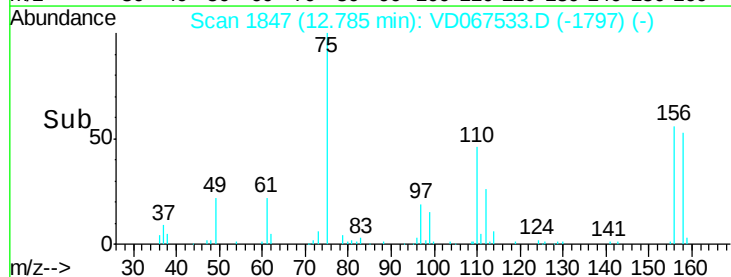
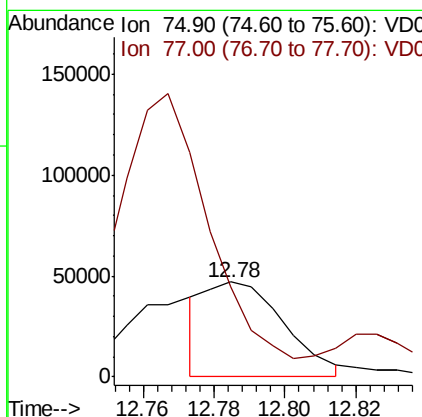
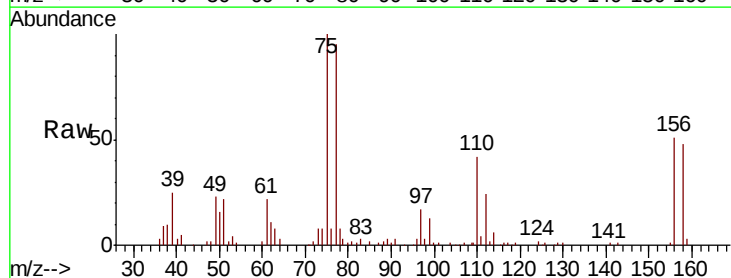
RT: 12.78 min Scan# 1847

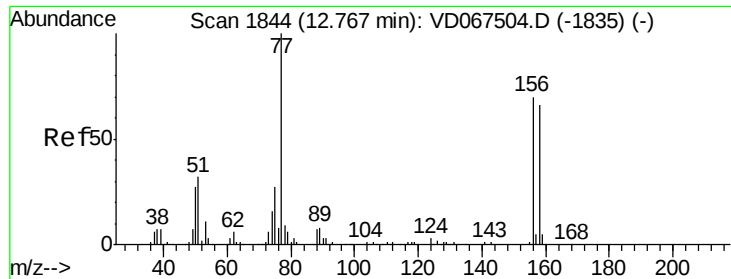
Delta R.T. -0.01 min

Lab File: VD067533.D

Acq: 05 Nov 2020 09:46

Tgt Ion:	75	Resp:	72622
Ion Ratio	Lower	Upper	
75	100		
77	359.8	0.0	0.0#





#77

Bromobenzene

Concen: 48.935 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067533.D

Acq: 05 Nov 2020 09:46

Instrument :

MSVOA_D

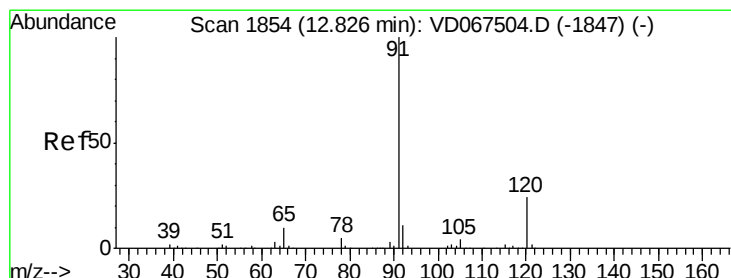
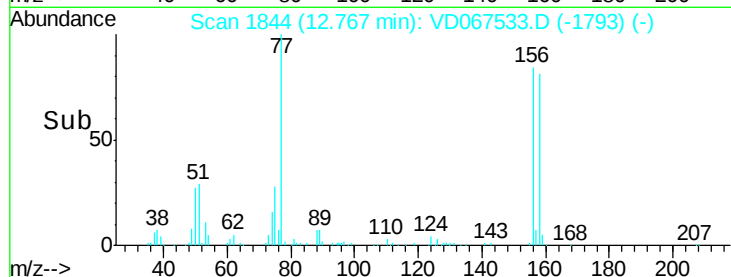
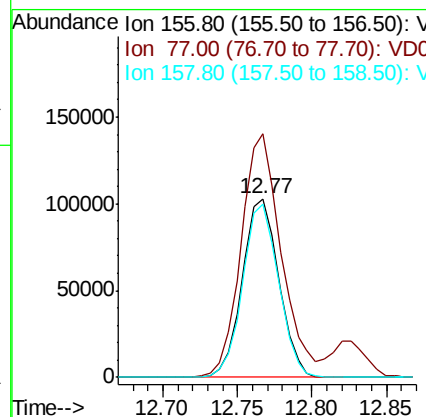
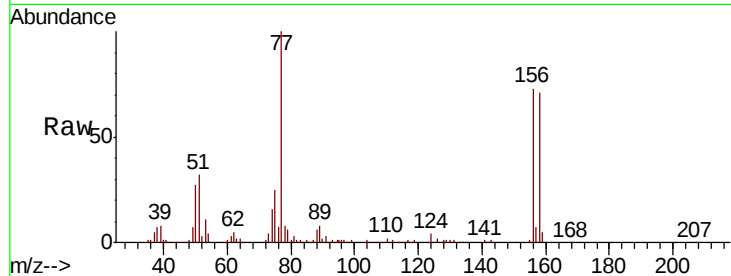
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	174494
Ion	Ratio	Lower	Upper
156	100		
77	149.7	77.8	233.5
158	95.5	47.9	143.7

Manual Integrations
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#78

n-propylbenzene

Concen: 50.896 ug/l

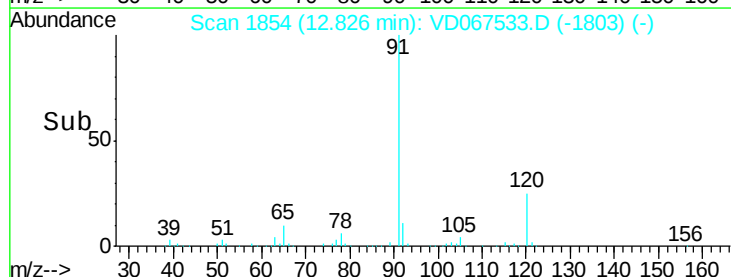
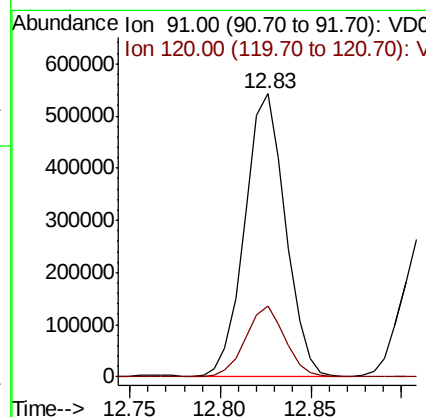
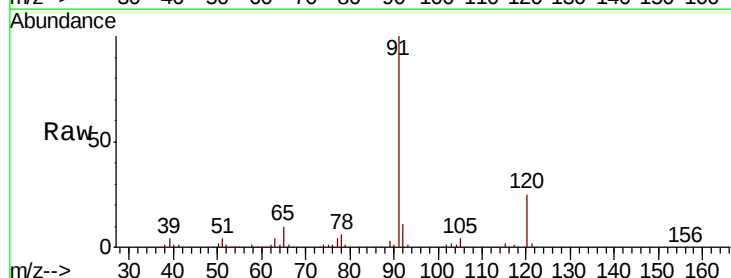
RT: 12.83 min Scan# 1854

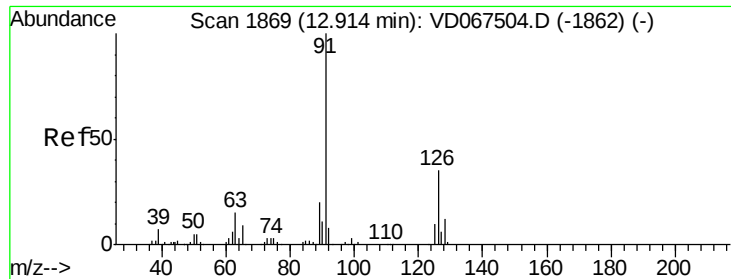
Delta R.T. 0.00 min

Lab File: VD067533.D

Acq: 05 Nov 2020 09:46

Tgt Ion:	91	Resp:	845270
Ion	Ratio	Lower	Upper
91	100		
120	24.3	12.2	36.4





#79

2-Chlorotoluene

Concen: 50.045 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD067533.D

Acq: 05 Nov 2020 09:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 472124

Ion Ratio Lower Upper

91 100

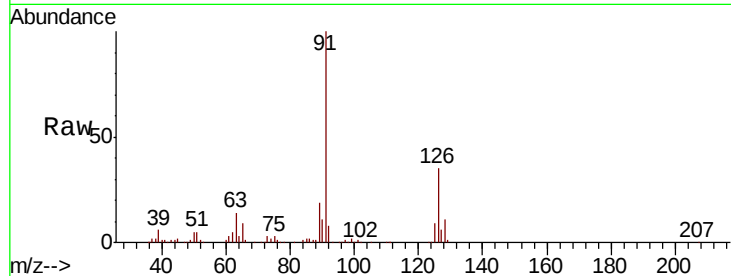
126 36.4 17.8 53.4

Manual Integrations

APPROVED

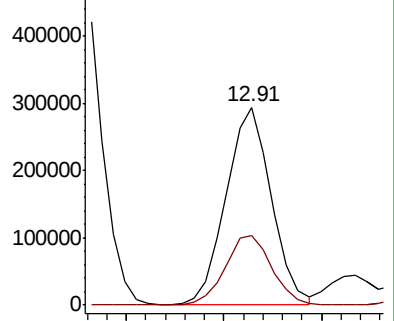
MMDadoda

11/6/2020 9:24:26 AM

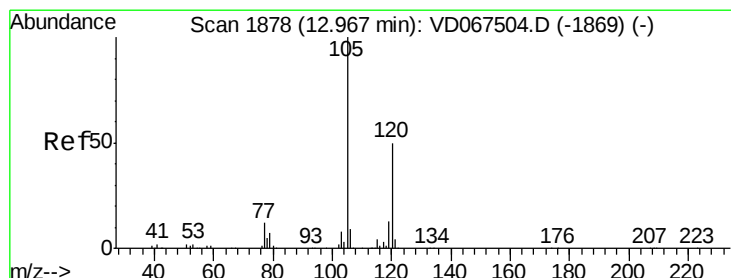
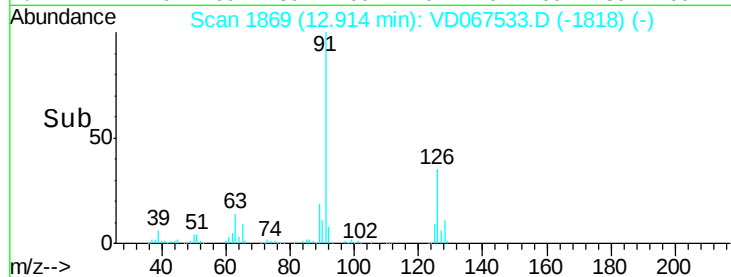


Abundance Ion 91.00 (90.70 to 91.70): VD067504.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD067504.D (-1862) (-)



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 51.064 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD067533.D

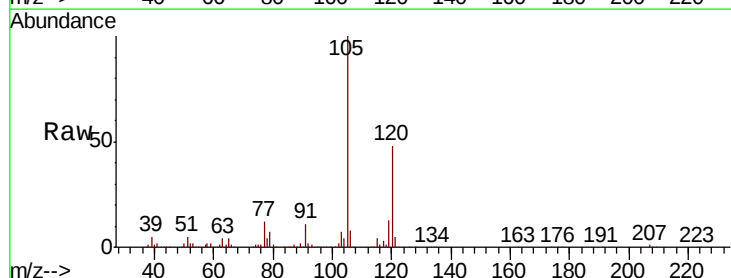
Acq: 05 Nov 2020 09:46

Tgt Ion: 105 Resp: 633365

Ion Ratio Lower Upper

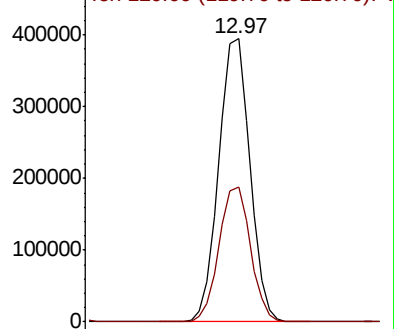
105 100

120 48.3 24.3 72.8

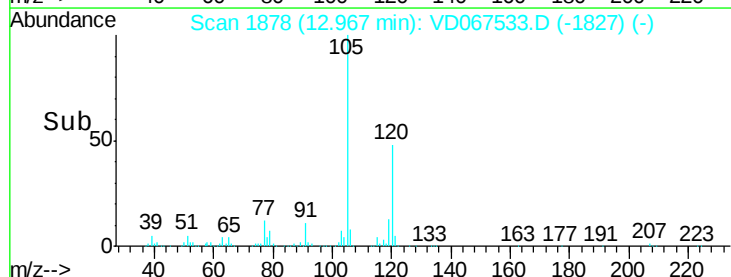


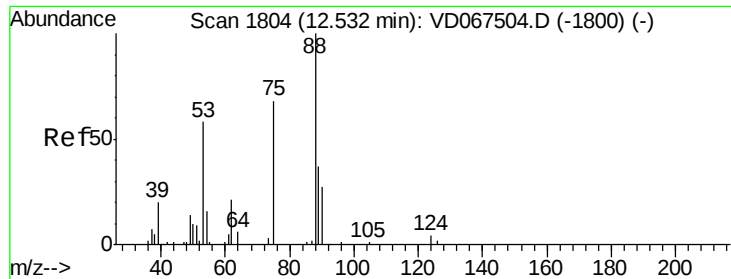
Abundance Ion 105.00 (104.70 to 105.70): VD067504.D (-1869) (-)

Ion 120.00 (119.70 to 120.70): VD067504.D (-1869) (-)



Time-->





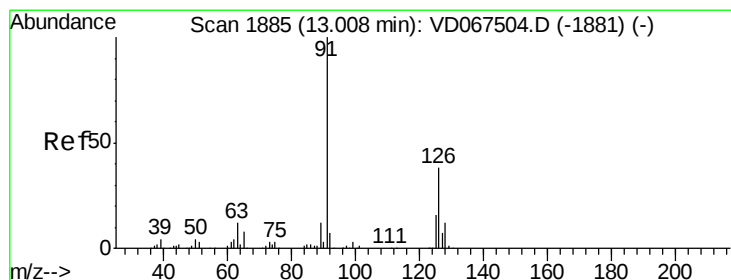
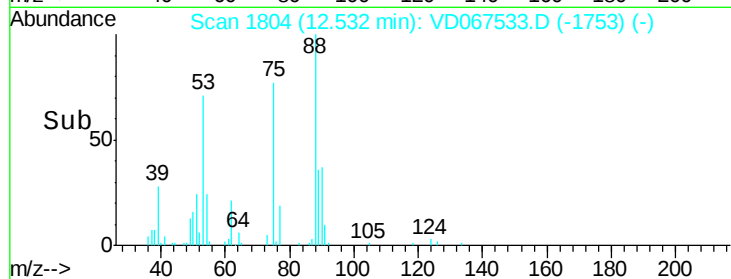
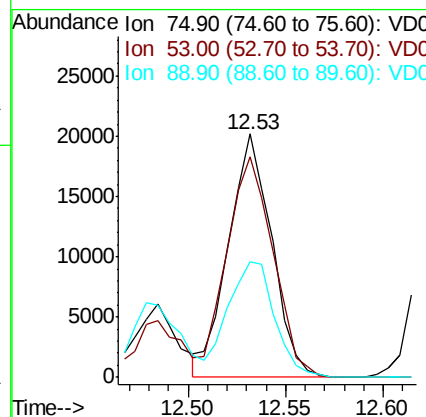
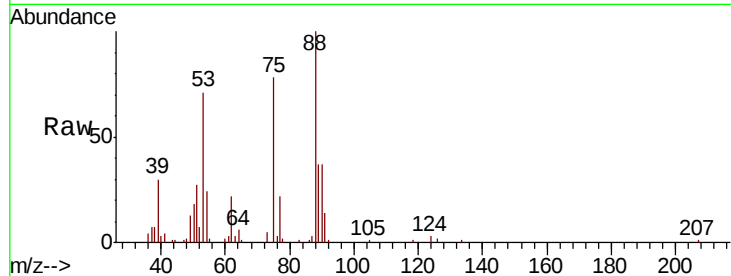
#81
trans-1,4-Dichloro-2-butene
Concen: 46.490 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD067533.D
Acq: 05 Nov 2020 09:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	97.5	75.9	113.9
89	51.2	44.6	67.0

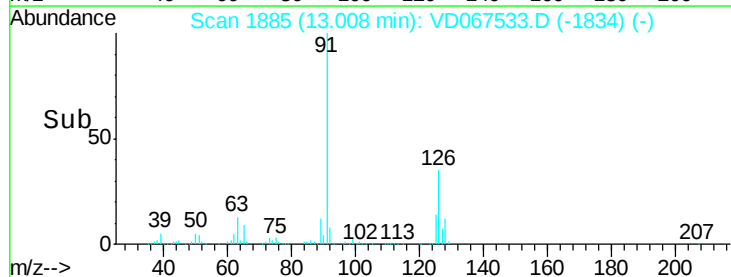
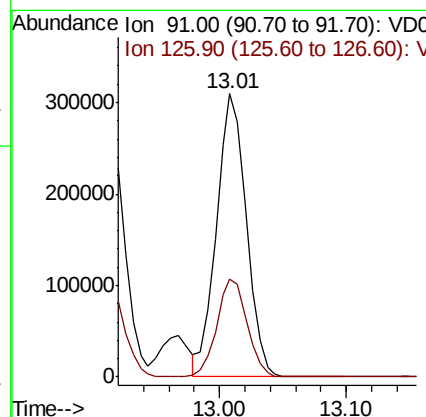
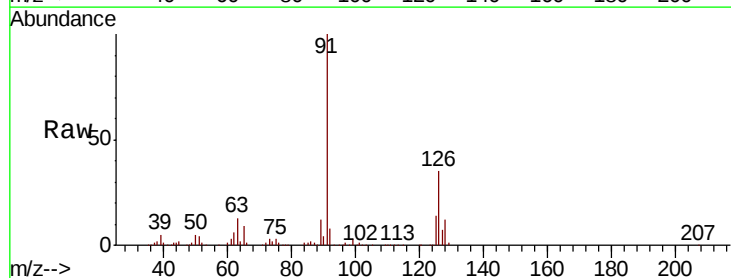
Manual Integrations
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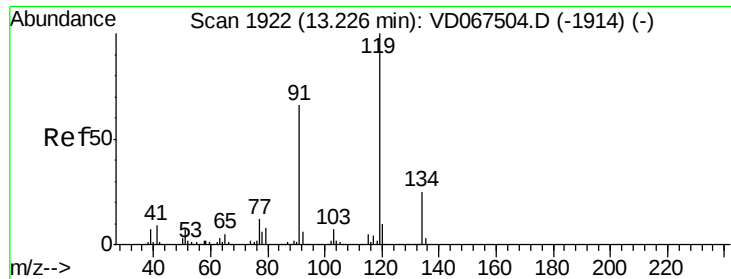
MMDadoda
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#82
4-Chlorotoluene
Concen: 50.075 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD067533.D
Acq: 05 Nov 2020 09:46

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.3	17.9	53.7





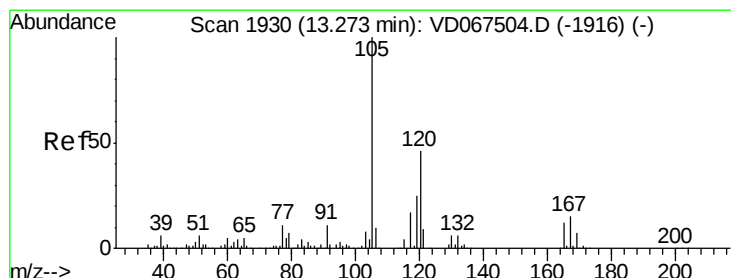
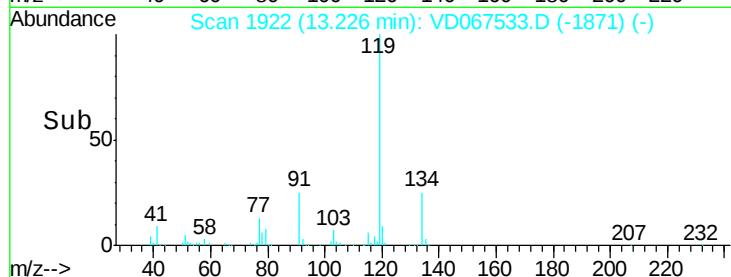
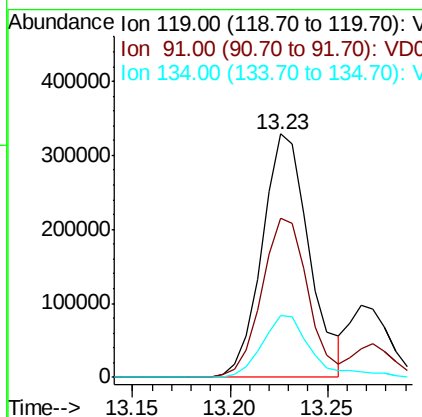
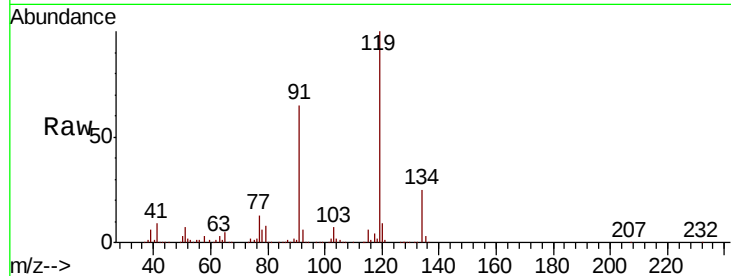
#83
tert-Butylbenzene
Concen: 52.360 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD067533.D
Acq: 05 Nov 2020 09:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.0	32.7	98.1
134	26.8	13.4	40.2

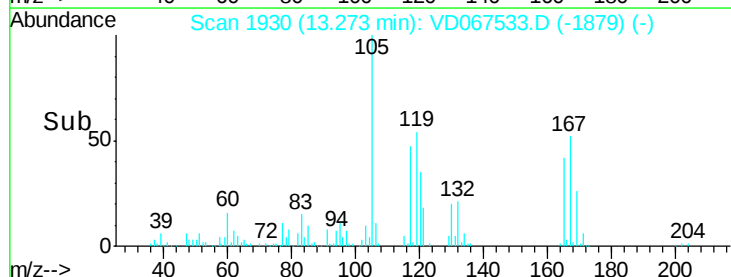
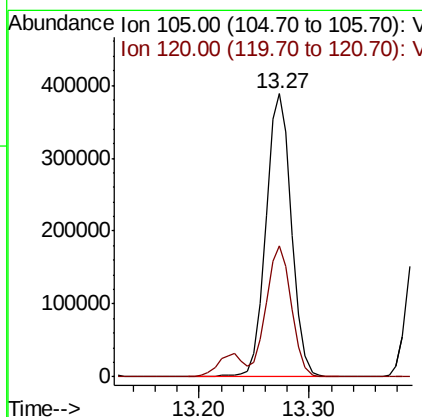
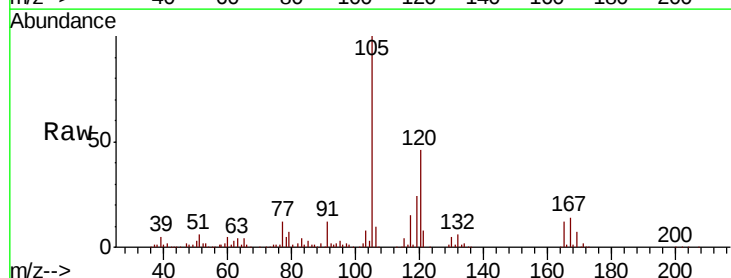
Manual Integrations
APPROVED

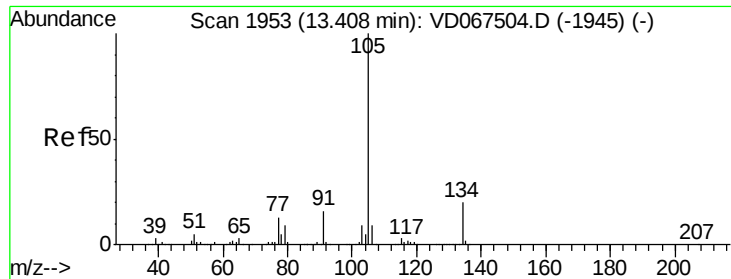
MMDadoda
11/6/2020 9:24:26 AM



#84
1,2,4-Trimethylbenzene
Concen: 50.686 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067533.D
Acq: 05 Nov 2020 09:46

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.8	22.1	66.1





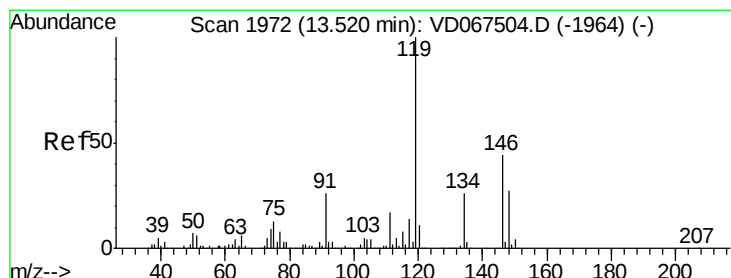
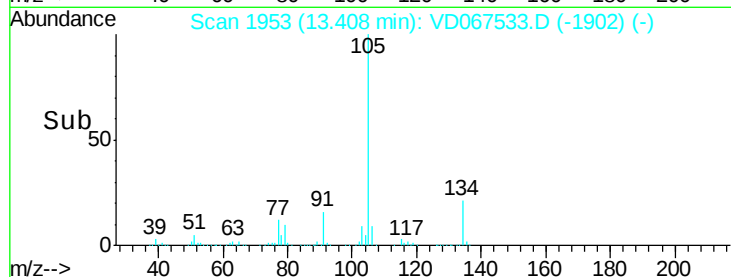
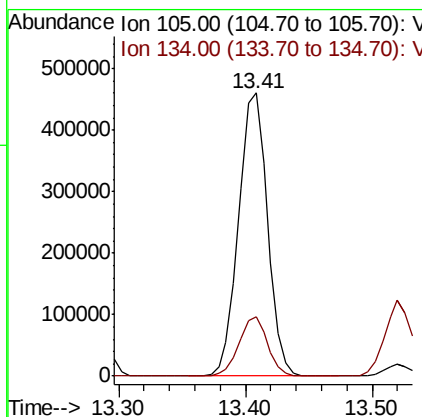
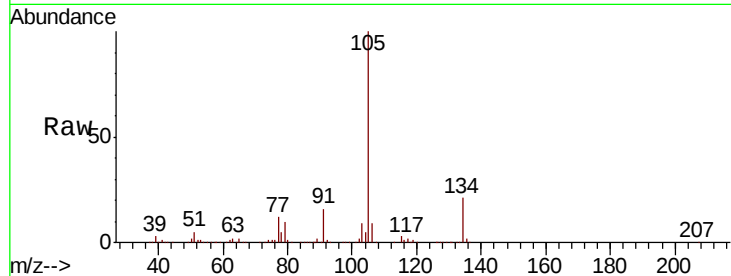
#85
 sec-Butylbenzene
 Concen: 51.379 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD067533.D
 Acq: 05 Nov 2020 09:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.6	10.4	31.4

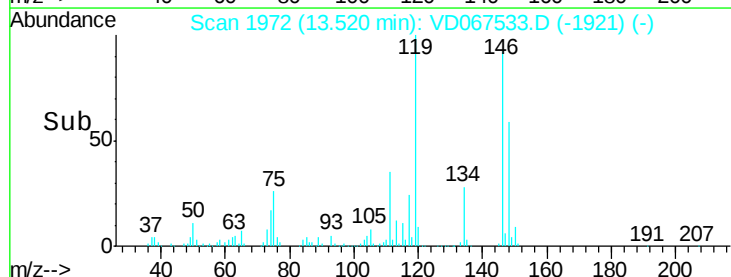
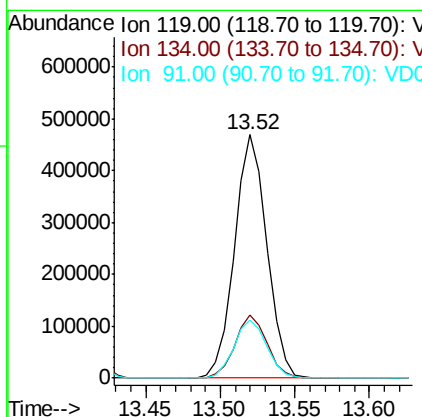
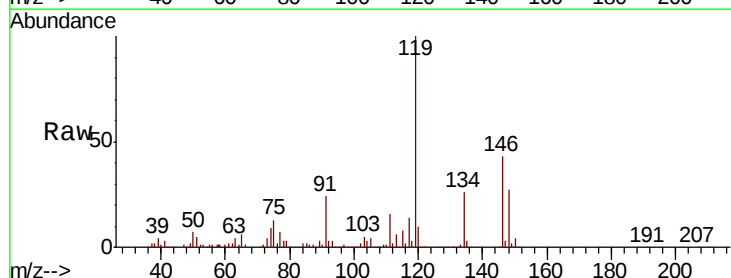
Manual Integrations
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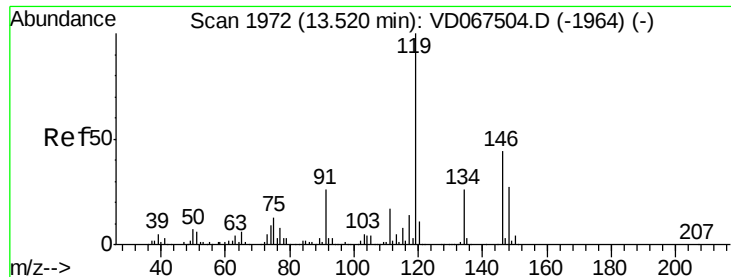
MMDadoda
 11/6/2020 9:24:26 AM



#86
 p-Isopropyltoluene
 Concen: 51.266 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067533.D
 Acq: 05 Nov 2020 09:46

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.1	39.3
91	24.2	12.2	36.4





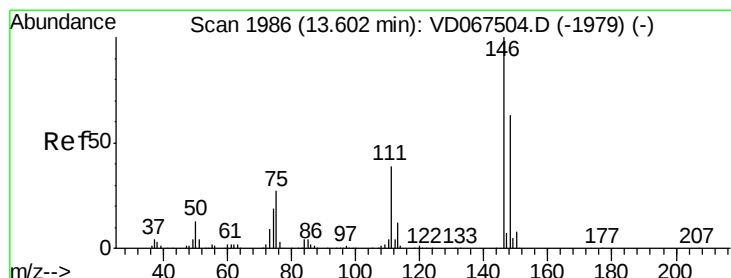
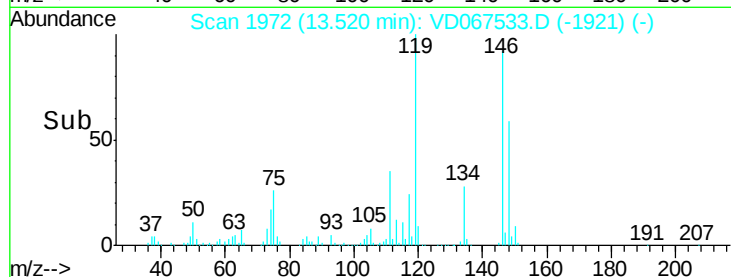
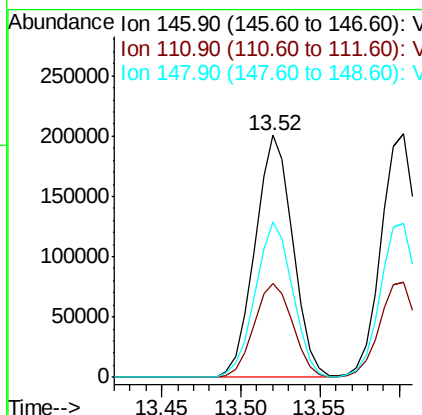
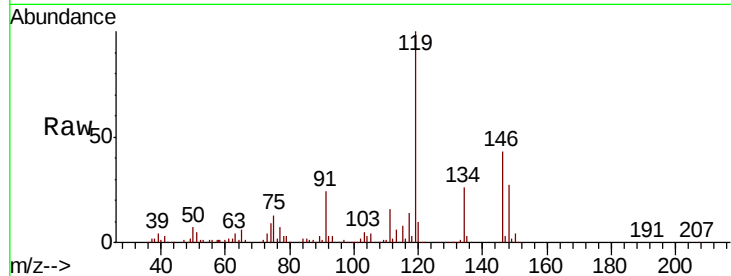
#87
1,3-Dichlorobenzene
Concen: 48.898 ug/l
RT: 13.52 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VD067533.D
Acq: 05 Nov 2020 09:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.3	60.8
148	63.6	31.9	95.9

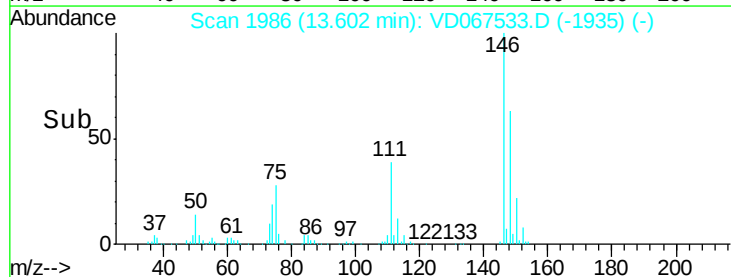
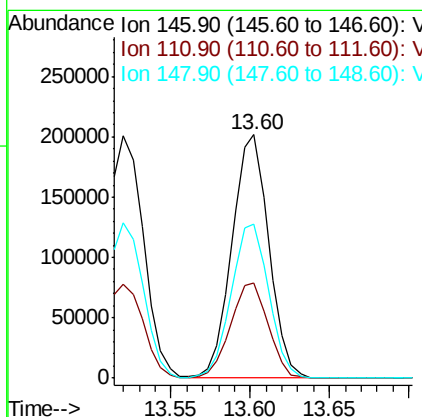
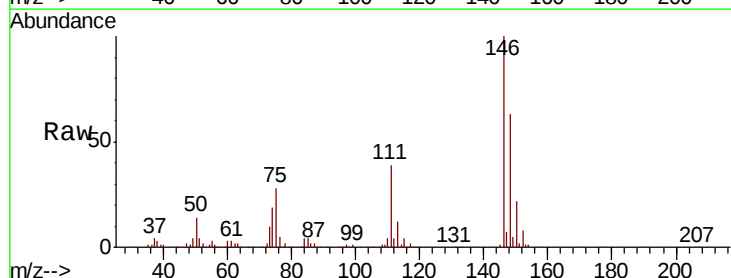
Manual Integrations
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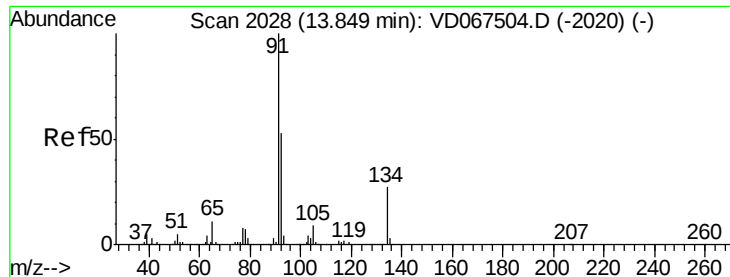
MMDadoda
11/6/2020 9:24:26 AM



#88
1,4-Dichlorobenzene
Concen: 47.148 ug/l
RT: 13.60 min Scan# 1986
Delta R.T. 0.00 min
Lab File: VD067533.D
Acq: 05 Nov 2020 09:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	19.6	58.7
148	64.5	31.8	95.4





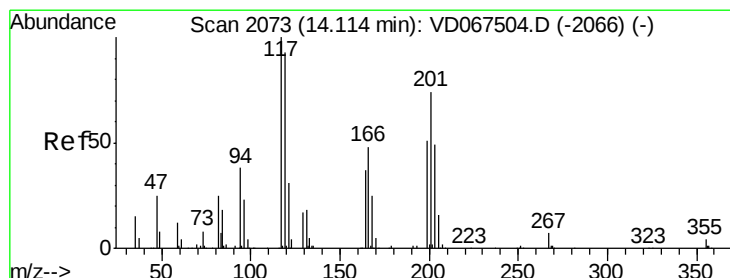
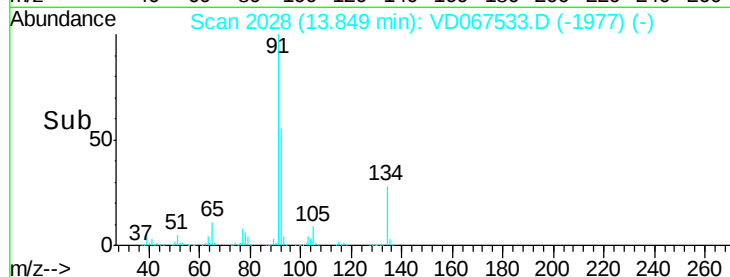
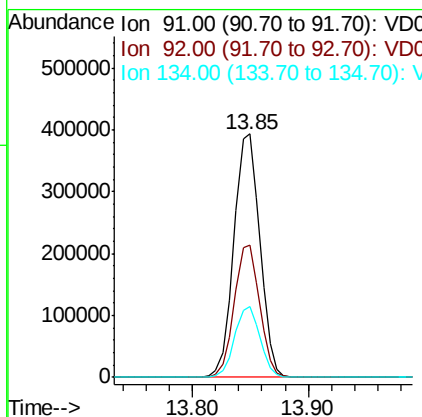
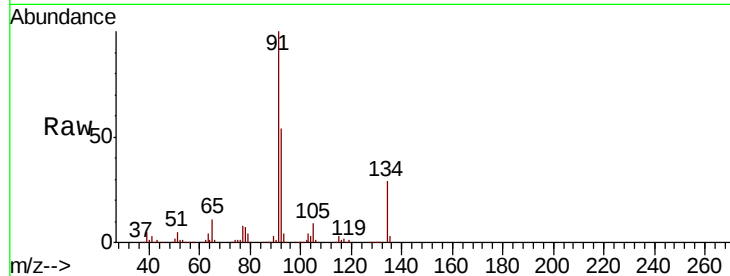
#89
n-Butylbenzene
Concen: 51.788 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067533.D
Acq: 05 Nov 2020 09:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.6	79.8
134	28.5	14.1	42.2

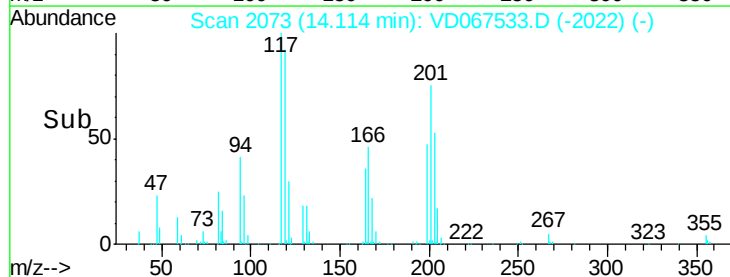
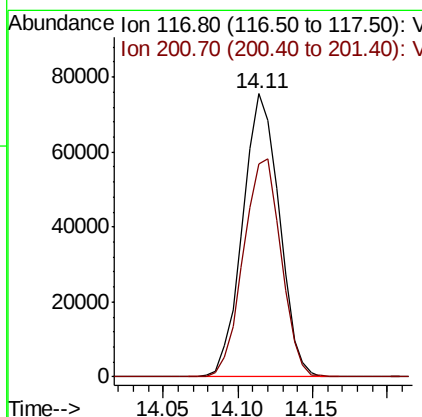
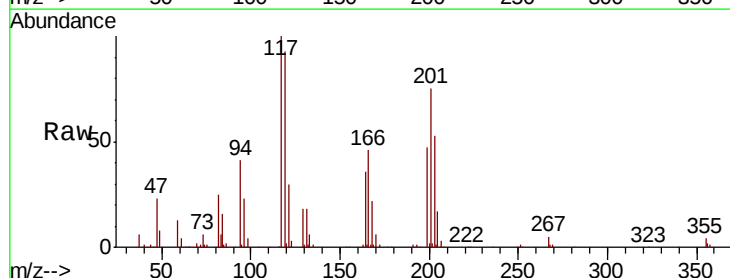
Manual Integrations
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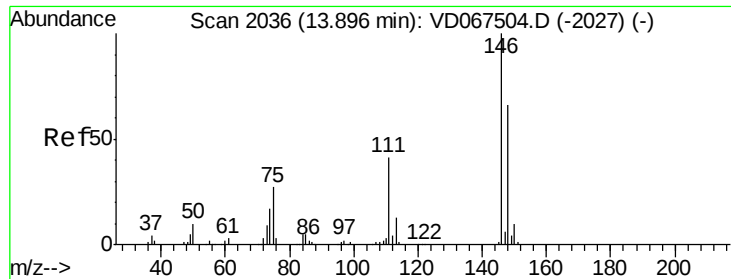
MMDadoda
11/6/2020 9:24:26 AM



#90
Hexachloroethane
Concen: 49.610 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD067533.D
Acq: 05 Nov 2020 09:46

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.2	40.7	122.1





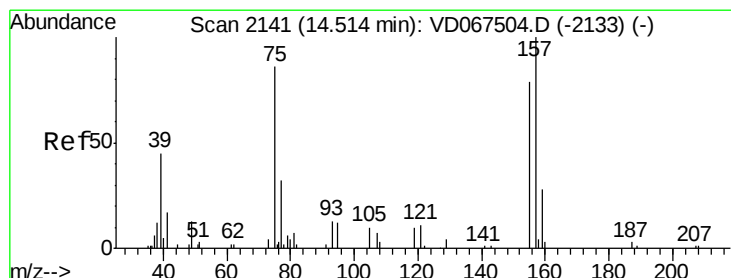
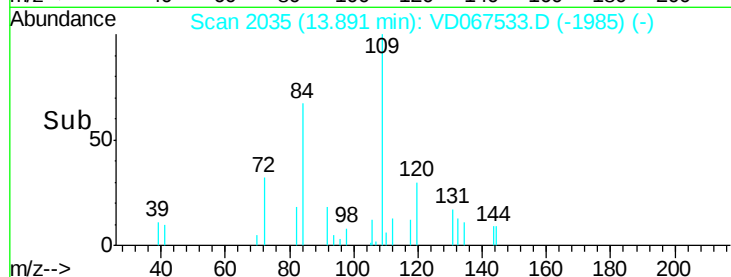
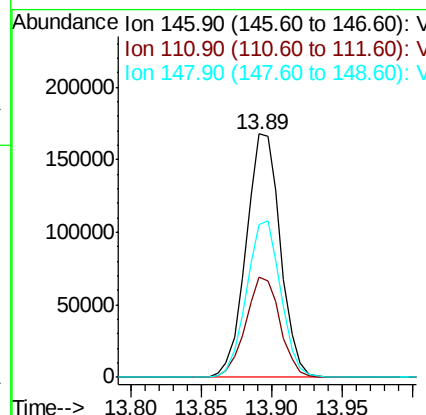
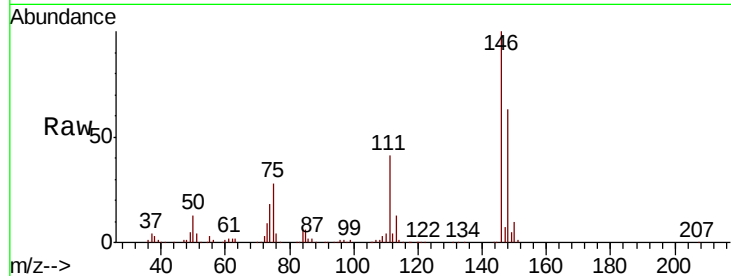
#91
 1,2-Dichlorobenzene
 Concen: 48.528 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: VD067533.D
 Acq: 05 Nov 2020 09:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.7	62.1
148	63.7	31.5	94.5

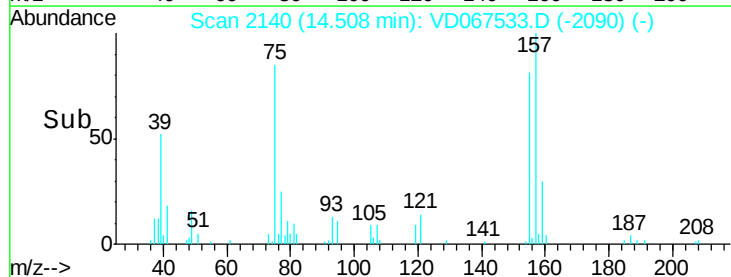
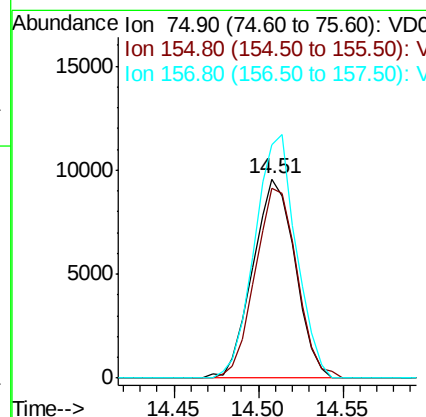
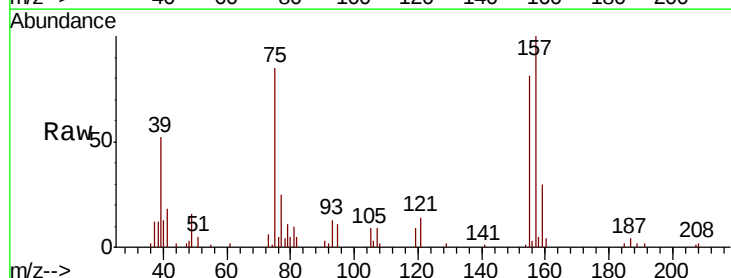
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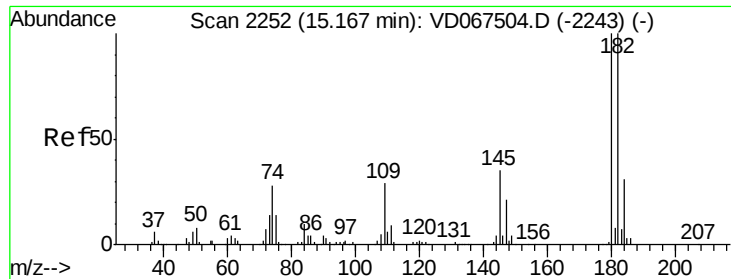
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.491 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD067533.D
 Acq: 05 Nov 2020 09:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.5	46.6	139.8
157	120.0	58.1	174.2





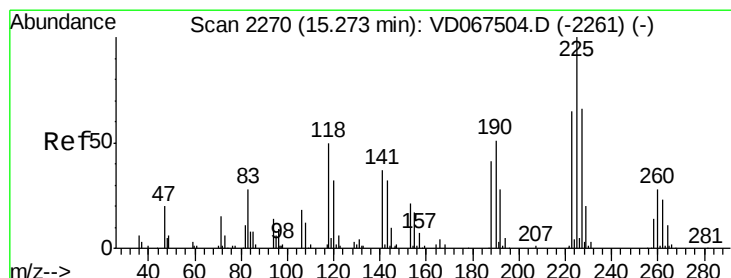
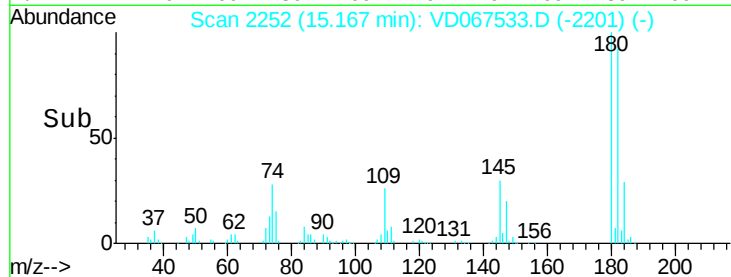
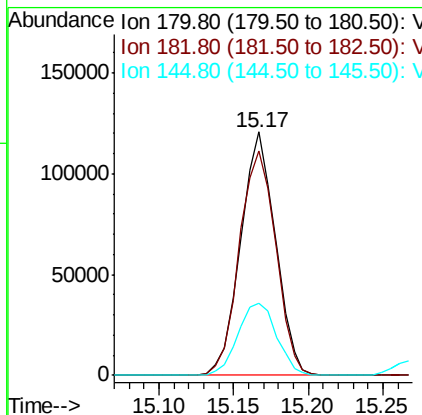
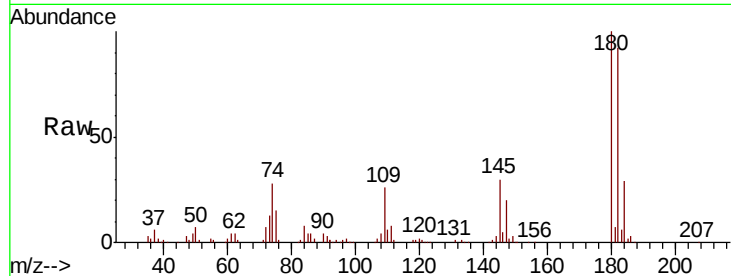
#93
 1,2,4-Trichlorobenzene
 Concen: 48.983 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD067533.D
 Acq: 05 Nov 2020 09:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	195775		
182	96.4	47.4	142.3	
145	32.9	16.2	48.6	

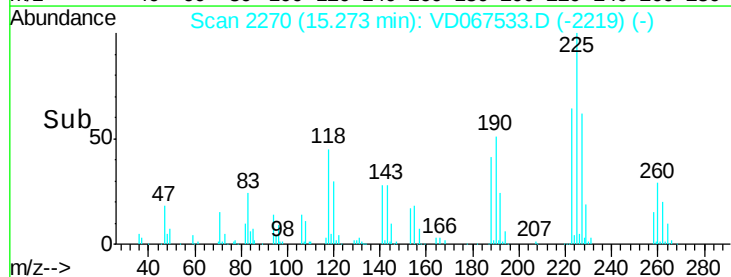
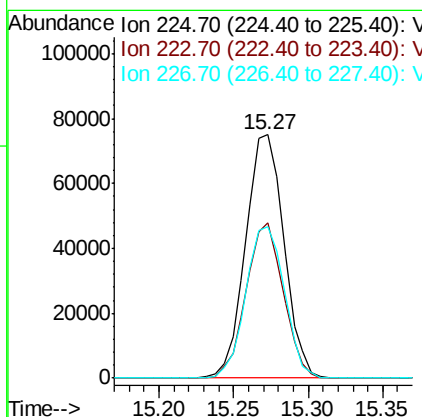
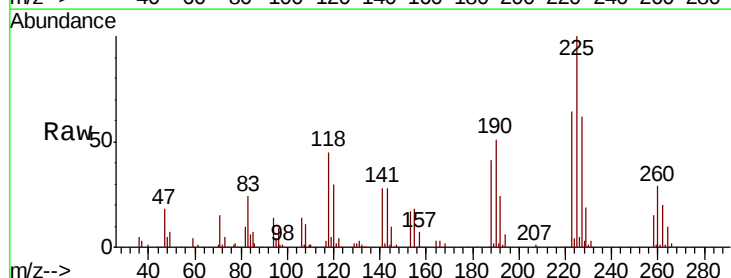
Manual Integrations
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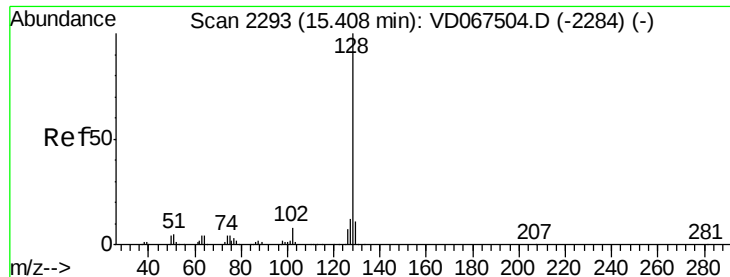
MMDadoda
 11/6/2020 9:24:26 AM



#94
 Hexachlorobutadiene
 Concen: 49.793 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD067533.D
 Acq: 05 Nov 2020 09:46

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	133193		
223	62.2	31.9	95.5	
227	62.8	32.5	97.4	





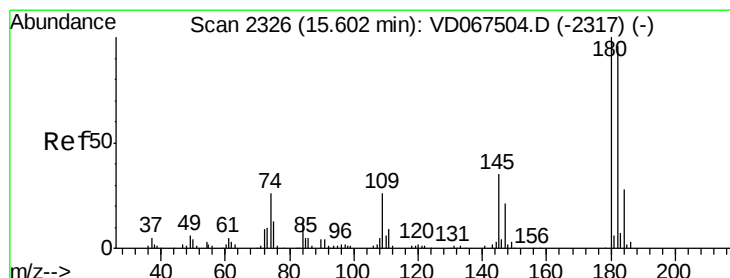
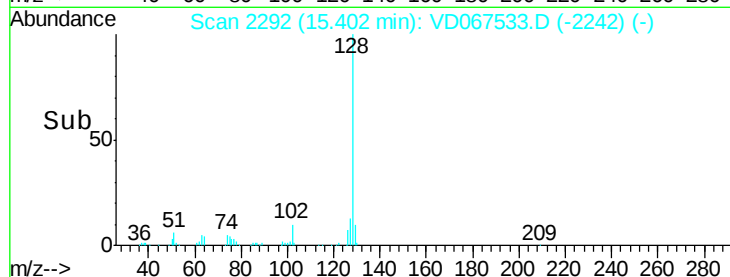
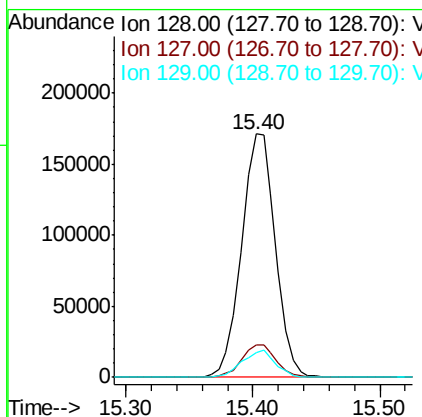
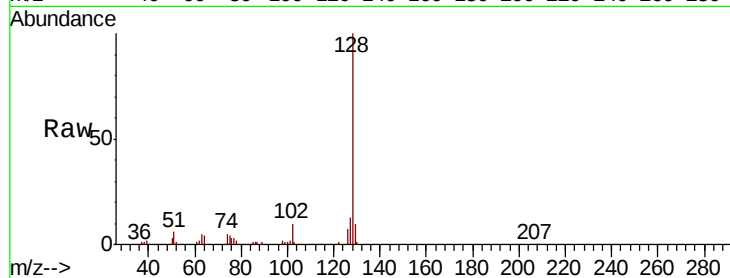
#95
Naphthalene
Concen: 51.285 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. -0.01 min
Lab File: VD067533.D
Acq: 05 Nov 2020 09:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.2	15.4
129	11.0	8.9	13.3

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 48.901 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. -0.01 min
Lab File: VD067533.D
Acq: 05 Nov 2020 09:46

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	46.9	140.8
145	35.6	17.1	51.2

