

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101220\
 Data File : VD067225.D
 Acq On : 12 Oct 2020 10:58
 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
 10/13/2020 1:52:15 PM

Quant Time: Oct 13 00:21:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	386517	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	557883	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	506501	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	246519	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	172783	46.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.82%	
35) Dibromofluoromethane	7.91	113	193958	53.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.20%	
50) Toluene-d8	10.34	98	687786	51.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.36%	
62) 4-Bromofluorobenzene	12.64	95	237399	52.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	173642	56.444	ug/l	96
3) Chloromethane	2.21	50	127353	41.373	ug/l	93
4) Vinyl Chloride	2.35	62	139442	45.179	ug/l	100
5) Bromomethane	2.77	94	101723	51.239	ug/l	98
6) Chloroethane	2.91	64	84250	44.823	ug/l	99
7) Trichlorofluoromethane	3.27	101	340001	49.582	ug/l	96
8) Diethyl Ether	3.71	74	81775	48.090	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.09	101	193182	49.842	ug/l	98
10) Methyl Iodide	4.30	142	190400	50.557	ug/l	99
11) Tert butyl alcohol	5.23	59	51149	230.672	ug/l #	90
12) 1,1-Dichloroethene	4.07	96	173751	47.687	ug/l	97
13) Acrolein	3.93	56	57992	232.633	ug/l	99
14) Allyl chloride	4.71	41	208764	44.105	ug/l	93
15) Acrylonitrile	5.42	53	141432	225.984	ug/l	98
16) Acetone	4.16	43	155263	273.204	ug/l	98
17) Carbon Disulfide	4.41	76	494684	44.240	ug/l	99
18) Methyl Acetate	4.71	43	64584	45.216	ug/l	94
19) Methyl tert-butyl Ether	5.47	73	342196	51.447	ug/l	98
20) Methylene Chloride	4.96	84	194731	47.994	ug/l	92
21) trans-1,2-Dichloroethene	5.47	96	200814	48.429	ug/l	99
22) Diisopropyl ether	6.36	45	395022	45.713	ug/l #	93
23) Vinyl Acetate	6.30	43	1149302	234.706	ug/l	95
24) 1,1-Dichloroethane	6.26	63	310866	46.614	ug/l	99
25) 2-Butanone	7.21	43	176849	219.490	ug/l	96
26) 2,2-Dichloropropane	7.21	77	319600	56.588	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	215744	48.717	ug/l	99
28) Bromochloromethane	7.54	49	111438	43.269	ug/l	82
29) Tetrahydrofuran	7.56	42	101288	218.630	ug/l	92
30) Chloroform	7.71	83	355440	49.132	ug/l	96
31) Cyclohexane	7.98	56	242286	43.335	ug/l	91
32) 1,1,1-Trichloroethane	7.90	97	351489	52.425	ug/l	97
36) 1,1-Dichloropropene	8.11	75	274631	52.813	ug/l	98
37) Ethyl Acetate	7.29	43	81481	45.231	ug/l	97
38) Carbon Tetrachloride	8.10	117	328641	58.410	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	295022	53.662	ug/l	97
40) Benzene	8.35	78	739798	51.220	ug/l	97
41) Methacrylonitrile	7.52	41	44539m	45.764	ug/l	
42) 1,2-Dichloroethane	8.42	62	217243	53.827	ug/l	97
43) Isopropyl Acetate	8.45	43	160521	48.369	ug/l	97
44) Trichloroethene	9.11	130	234767	54.433	ug/l	97
45) 1,2-Dichloropropane	9.39	63	172297	50.770	ug/l	95
46) Dibromomethane	9.48	93	102760	52.683	ug/l	96
47) Bromodichloromethane	9.66	83	275567	54.350	ug/l	99
48) Methyl methacrylate	9.46	41	76304	44.879	ug/l #	73
49) 1,4-Dioxane	9.46	88	21009	1032.018	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	404207	244.526	ug/l	97
52) Toluene	10.40	92	501831	53.936	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	248524	54.844	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	291497	52.679	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	144224	53.184	ug/l	96
56) Ethyl methacrylate	10.66	69	156840	56.019	ug/l	97
57) 1,3-Dichloropropane	10.95	76	227981	51.843	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	421858	270.715	ug/l	96
59) 2-Hexanone	10.98	43	287912	260.957	ug/l	94
60) Dibromochloromethane	11.14	129	199916	55.311	ug/l	97
61) 1,2-Dibromoethane	11.25	107	142101	54.543	ug/l	100
64) Tetrachloroethene	10.88	164	199686	54.229	ug/l	94
65) Chlorobenzene	11.67	112	543418	53.945	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	215359	56.202	ug/l	98
67) Ethyl Benzene	11.75	91	962936	55.789	ug/l	99
68) m/p-Xylenes	11.86	106	734282	109.162	ug/l	96
69) o-Xylene	12.18	106	338494	56.273	ug/l	96
70) Styrene	12.20	104	576763	55.839	ug/l	99
71) Bromoform	12.37	173	111950	56.283	ug/l #	100
73) Isopropylbenzene	12.48	105	954903	57.047	ug/l	100
74) N-amyl acetate	12.29	43	148024	49.192	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.74	83	140395	49.781	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	102603m	47.783	ug/l	
77) Bromobenzene	12.77	156	224374	55.513	ug/l	95
78) n-propylbenzene	12.83	91	1103456	55.779	ug/l	100
79) 2-Chlorotoluene	12.91	91	617063	54.518	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	804644	56.896	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	45454	52.775	ug/l	99
82) 4-Chlorotoluene	13.01	91	656391	54.507	ug/l	100
83) tert-Butylbenzene	13.23	119	703886	59.104	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	800750	56.736	ug/l	99
85) sec-Butylbenzene	13.41	105	946358	56.427	ug/l	99
86) p-Isopropyltoluene	13.52	119	887666	57.089	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	421731	53.568	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	422657	53.691	ug/l	99
89) n-Butylbenzene	13.85	91	799972	56.295	ug/l	99
90) Hexachloroethane	14.12	117	148155	54.396	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	371817	54.078	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	24497	53.884	ug/l	99

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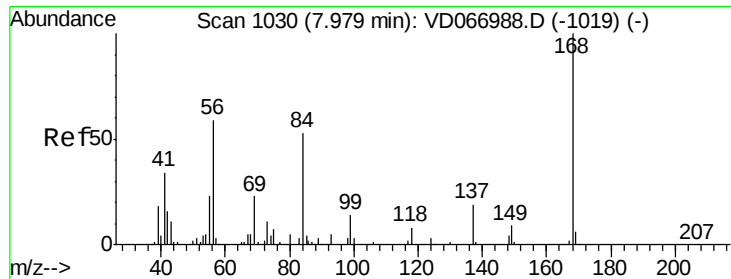
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	267266	60.095	ug/l	98
94) Hexachlorobutadiene	15.28	225	163664	59.922	ug/l	97
95) Naphthalene	15.41	128	445955	60.118	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	224279	58.093	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD067225.D

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Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 386517

Ion Ratio Lower Upper

168 100

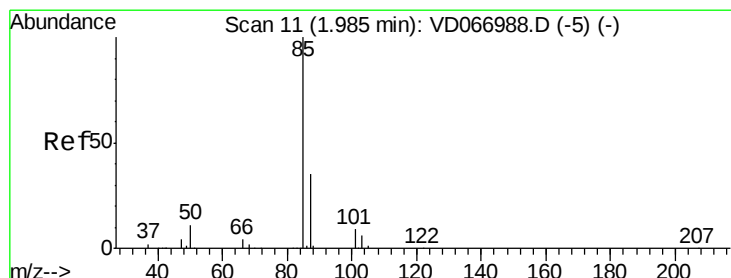
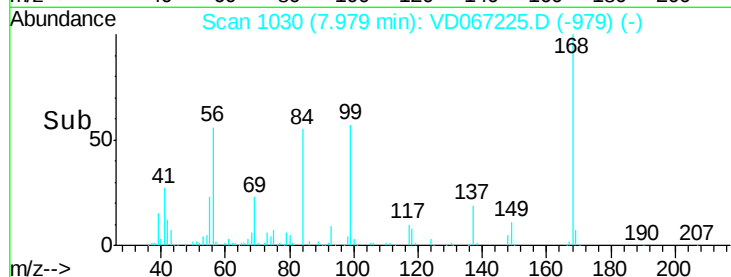
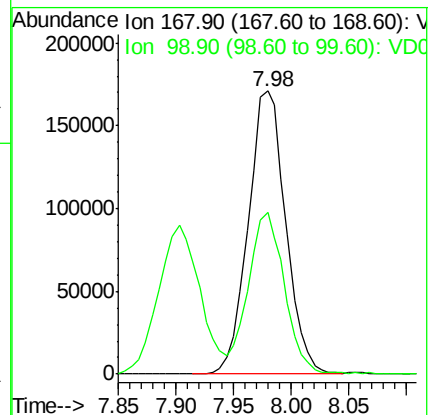
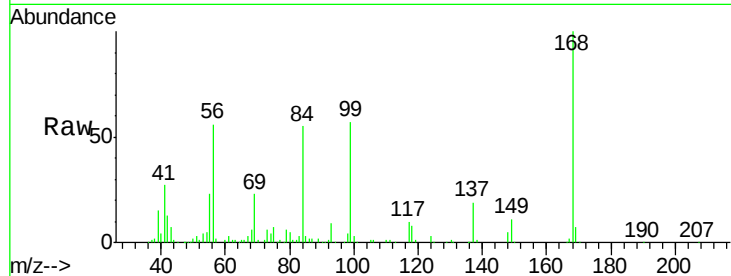
99 56.6 44.1 66.1

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 56.444 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067225.D

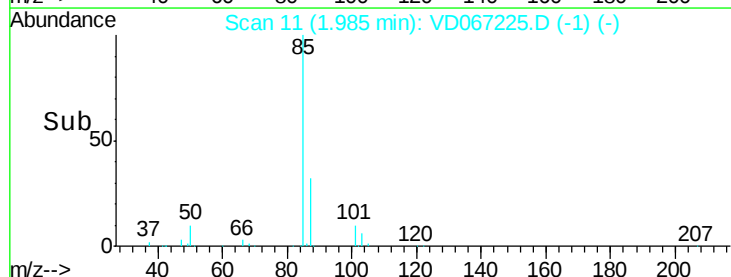
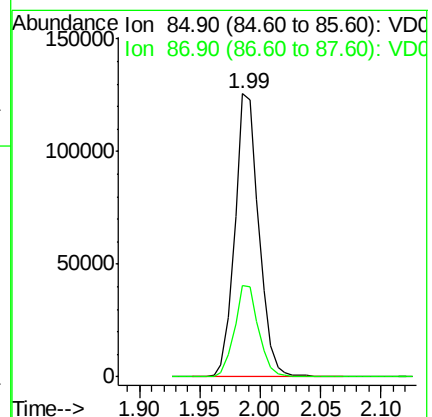
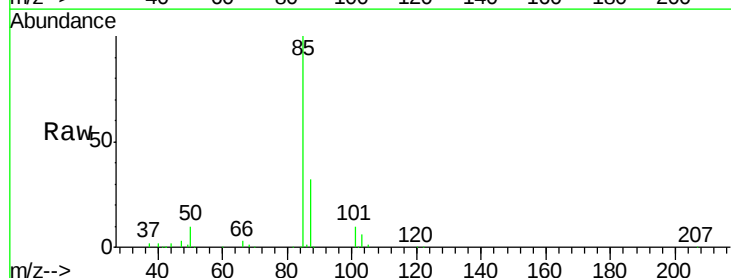
Acq: 12 Oct 2020 10:58

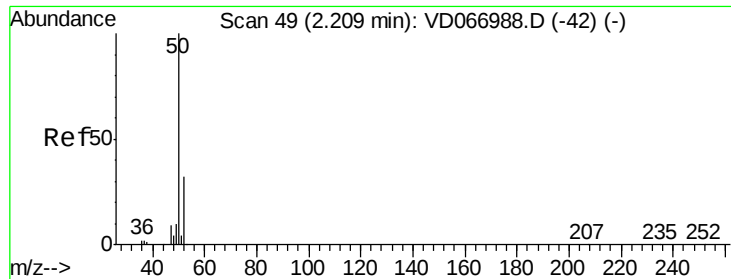
Tgt Ion: 85 Resp: 173642

Ion Ratio Lower Upper

85 100

87 32.2 17.3 52.0





#3

Chloromethane

Concen: 41.373 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067225.D

Acq: 12 Oct 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 127353

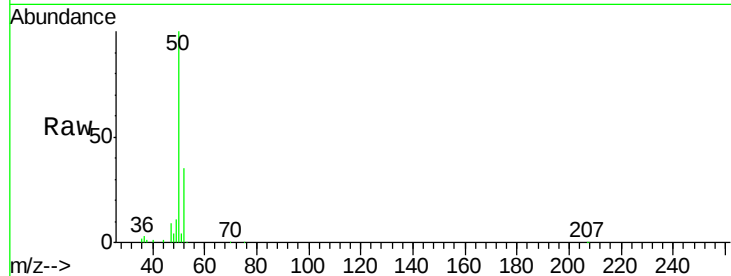
Ion Ratio Lower Upper

50 100

52 35.4 25.3 37.9

Manual Integrations
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

100000

80000

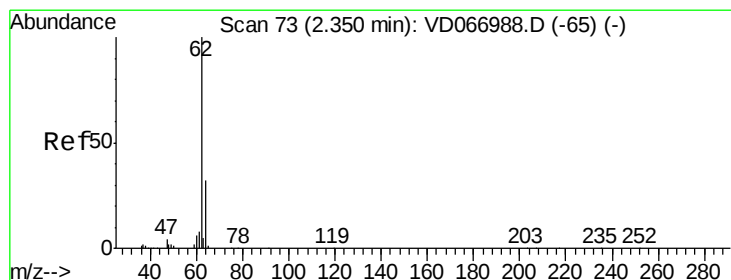
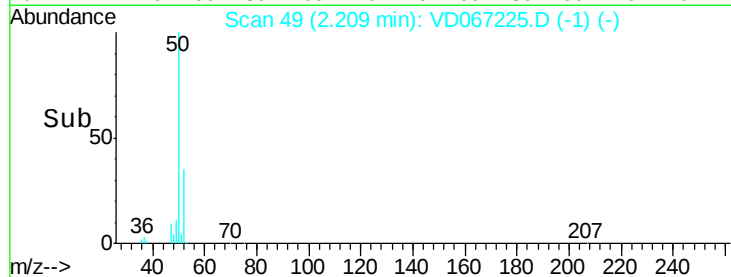
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 45.179 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067225.D

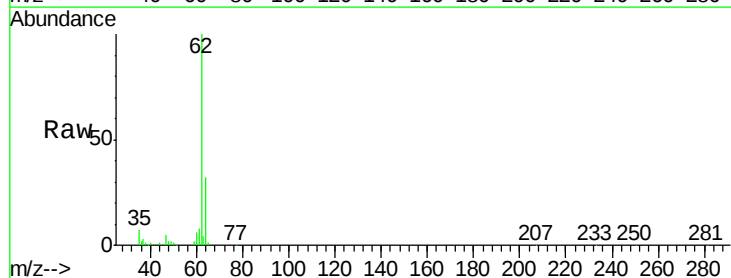
Acq: 12 Oct 2020 10:58

Tgt Ion: 62 Resp: 139442

Ion Ratio Lower Upper

62 100

64 32.4 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

100000

80000

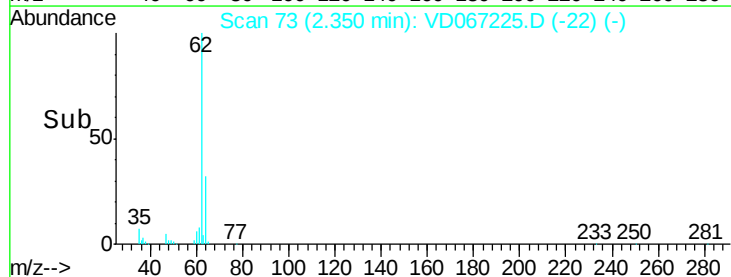
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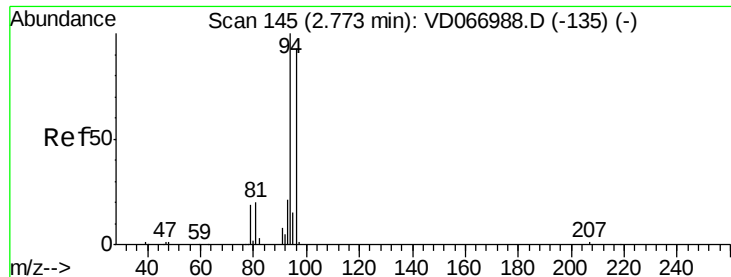
40000

20000

0

Time-->





#5

Bromomethane

Concen: 51.239 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067225.D

Acq: 12 Oct 2020 10:58

Instrument :

MSVOA_D

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VSTDCCC050

Tot Ion: 94 Resp: 101723

Ion Ratio Lower Upper

94 100

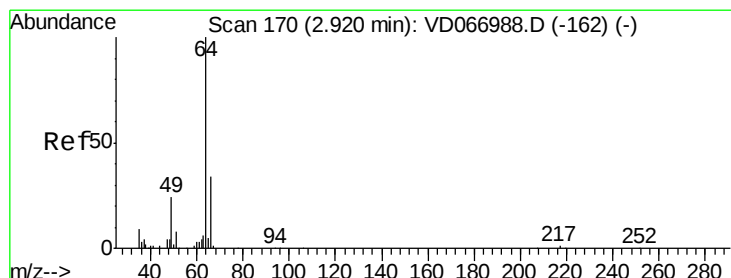
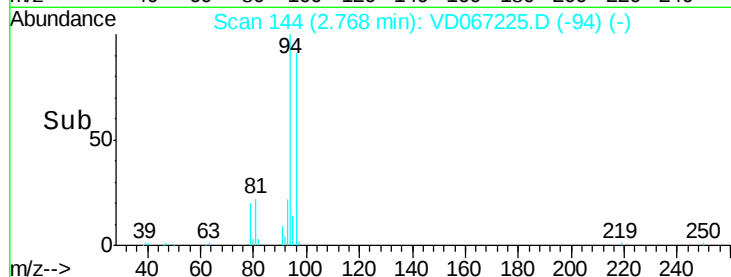
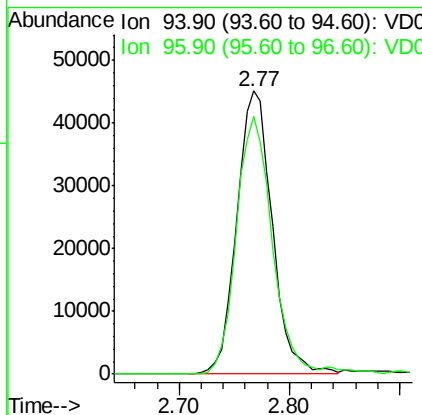
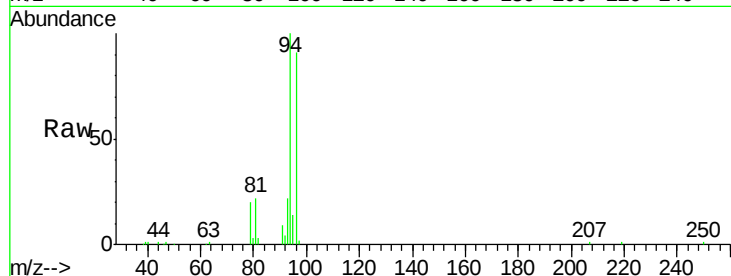
96 91.2 74.6 112.0

Manual Integrations

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#6

Chloroethane

Concen: 44.823 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD067225.D

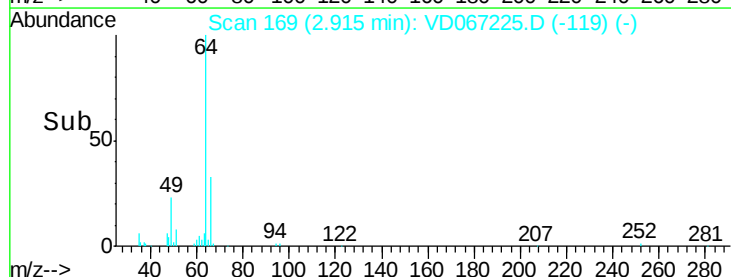
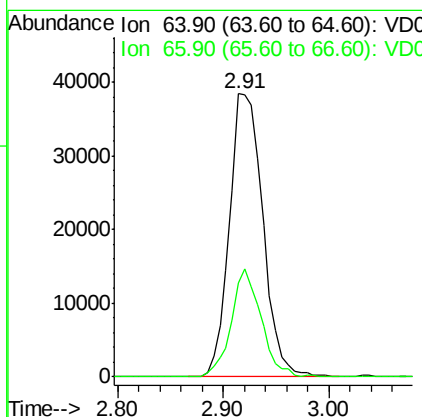
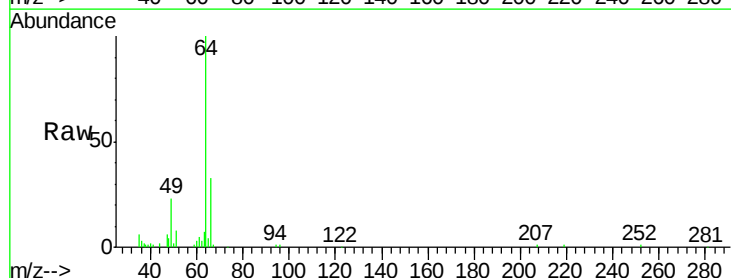
Acq: 12 Oct 2020 10:58

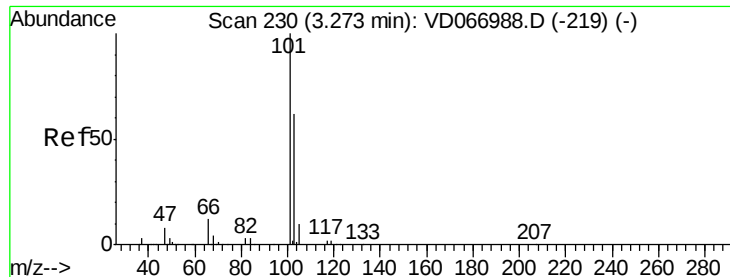
Tgt Ion: 64 Resp: 84250

Ion Ratio Lower Upper

64 100

66 33.1 27.0 40.6





#7

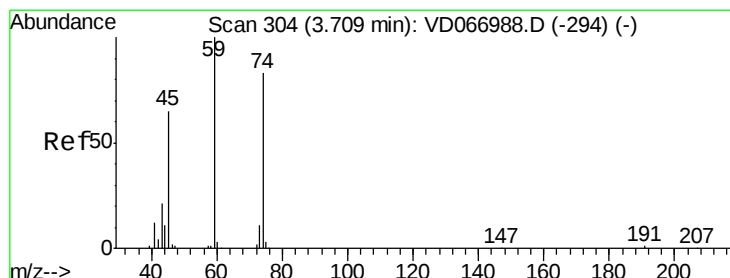
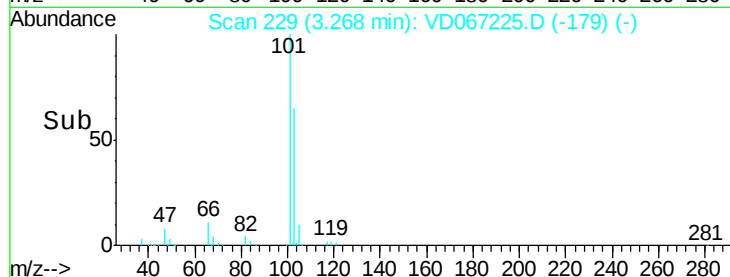
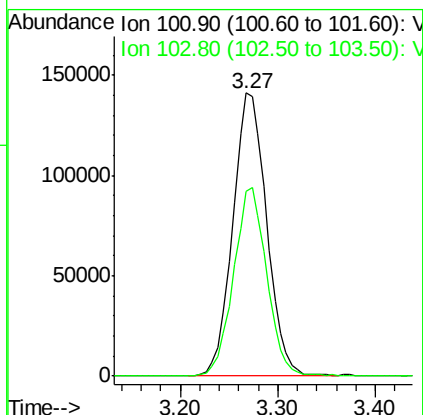
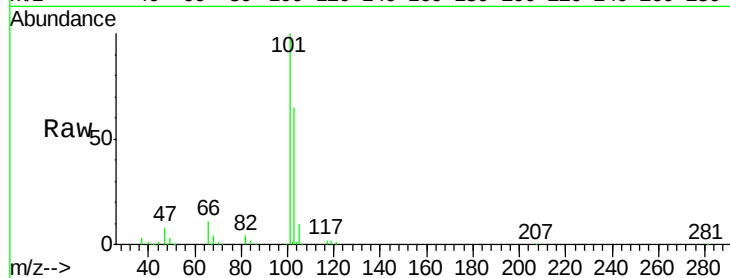
Trichlorofluoromethane
Concen: 49.582 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD067225.D
Acq: 12 Oct 2020 10:58

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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	49.8	74.8

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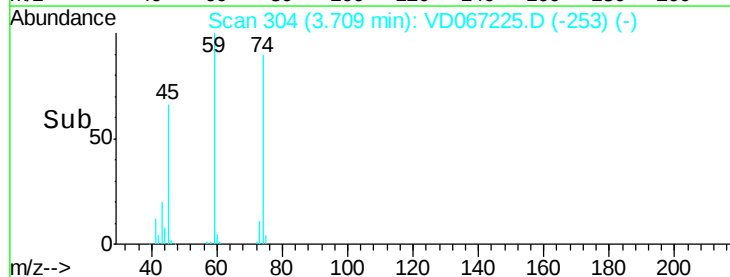
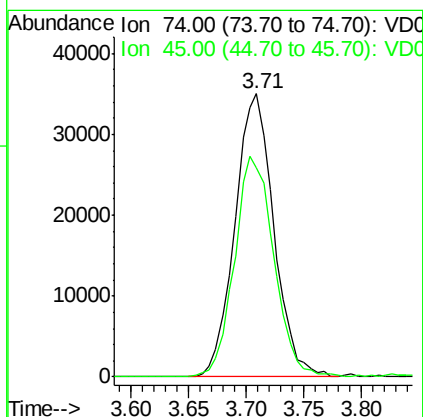
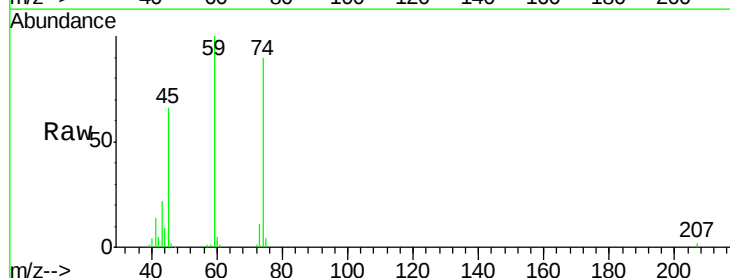
MMDadoda
10/13/2020 1:52:15 PM

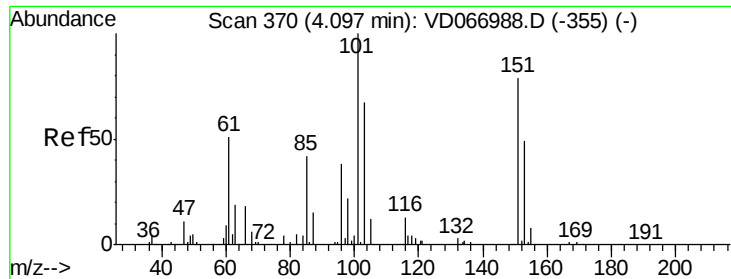


#8

Diethyl Ether
Concen: 48.090 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD067225.D
Acq: 12 Oct 2020 10:58

Tgt Ion	Ratio	Lower	Upper
74	100		
45	78.9	43.1	129.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.842 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD067225.D

Acq: 12 Oct 2020 10:58

Instrument :

MSVOA_D

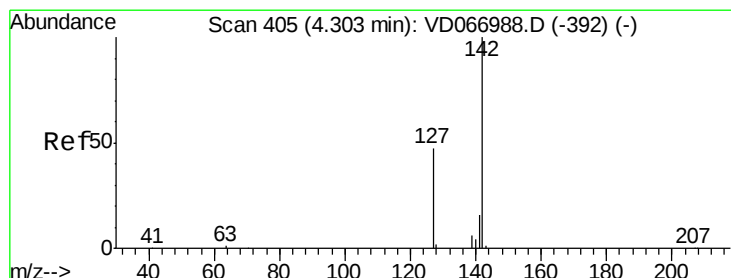
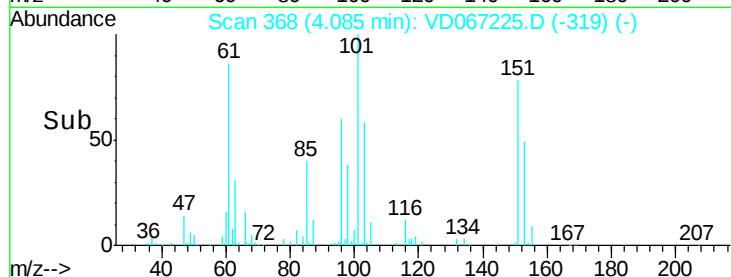
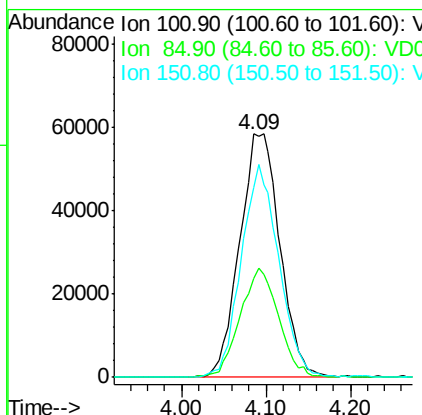
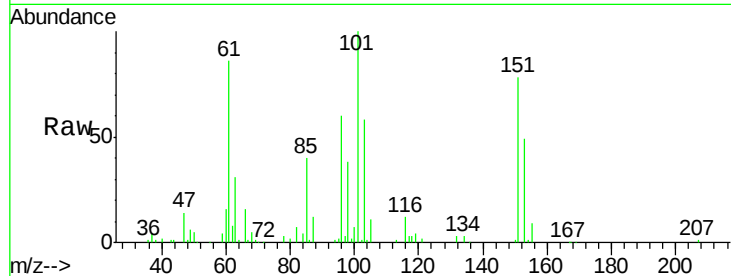
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	193182
Ion Ratio	Lower	Upper	
101	100		
85	43.1	33.8	50.8
151	81.5	63.8	95.8

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#10

Methyl Iodide

Concen: 50.557 ug/l

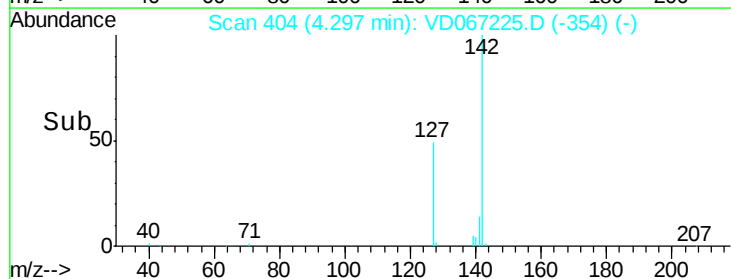
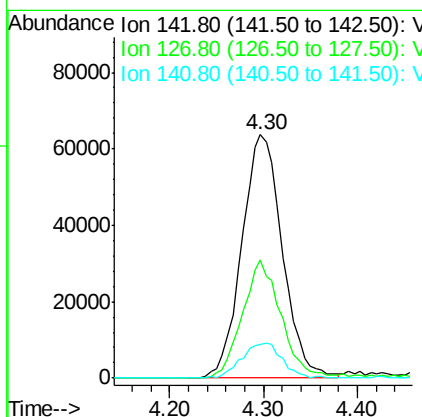
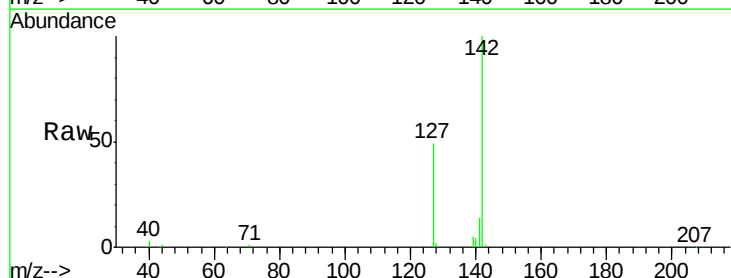
RT: 4.30 min Scan# 404

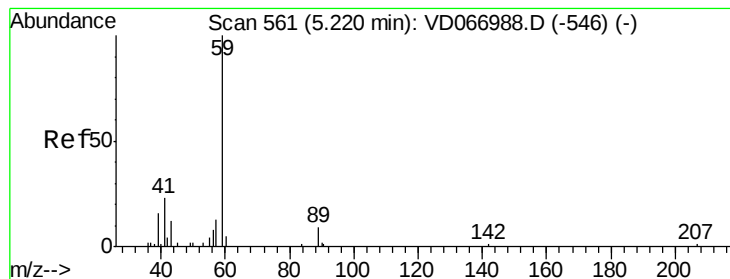
Delta R.T. -0.01 min

Lab File: VD067225.D

Acq: 12 Oct 2020 10:58

Tgt Ion:	142	Resp:	190400
Ion Ratio	Lower	Upper	
142	100		
127	45.8	36.3	54.5
141	14.4	12.0	18.0





#11

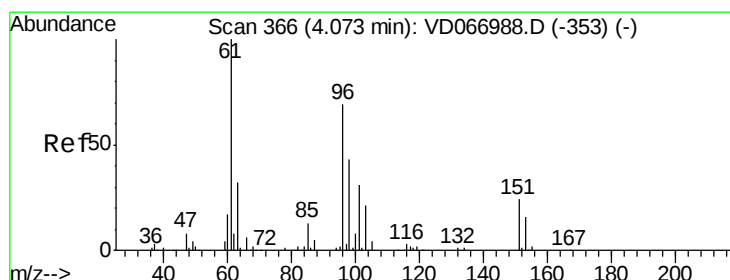
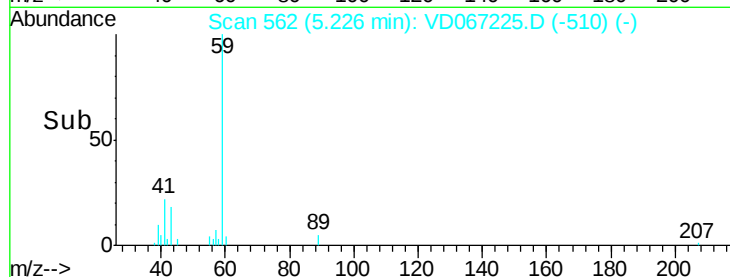
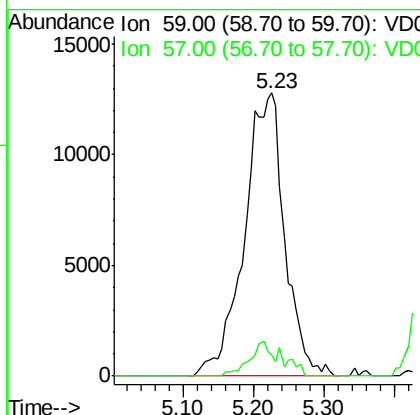
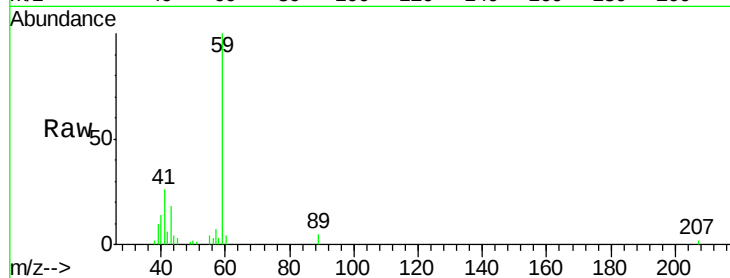
Tert butyl alcohol
Concen: 230.672 ug/l
RT: 5.23 min Scan# 562
Delta R.T. 0.01 min
Lab File: VD067225.D
Acq: 12 Oct 2020 10:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 51149
Ion Ratio Lower Upper
59 100
57 6.6 8.2 12.4#

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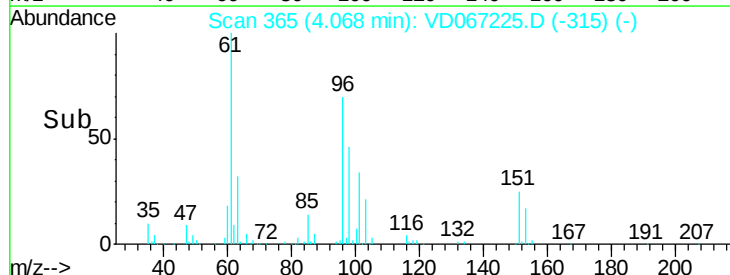
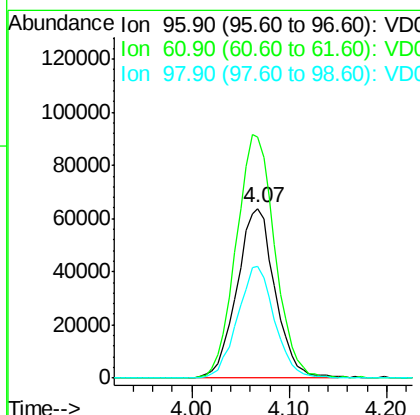
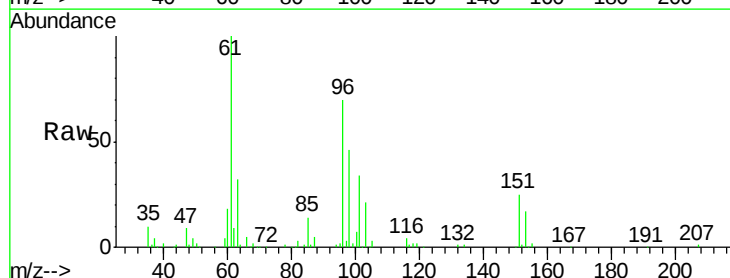
MMDadoda
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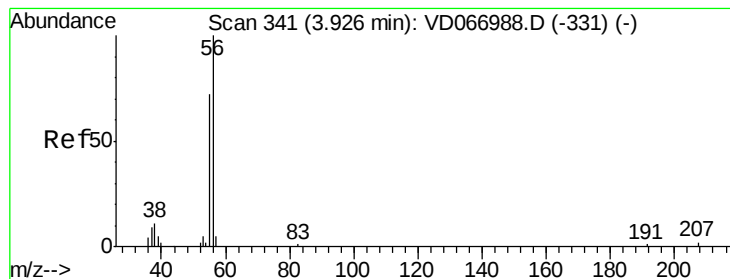


#12

1,1-Dichloroethene
Concen: 47.687 ug/l
RT: 4.07 min Scan# 365
Delta R.T. -0.01 min
Lab File: VD067225.D
Acq: 12 Oct 2020 10:58

Tgt Ion: 96 Resp: 173751
Ion Ratio Lower Upper
96 100
61 142.4 116.4 174.6
98 65.9 49.9 74.9





#13

Acrolein

Concen: 232.633 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD067225.D

Acq: 12 Oct 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 57992

Ion Ratio Lower Upper

56 100

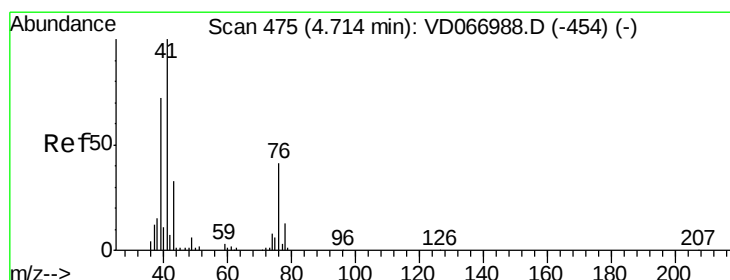
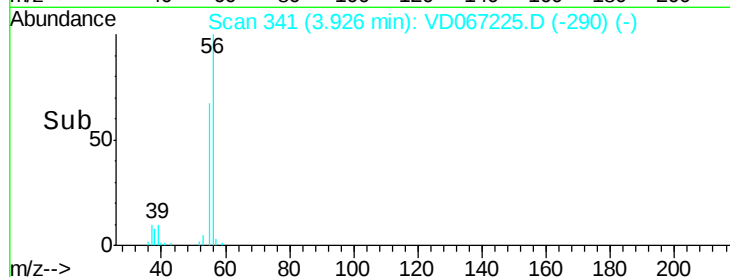
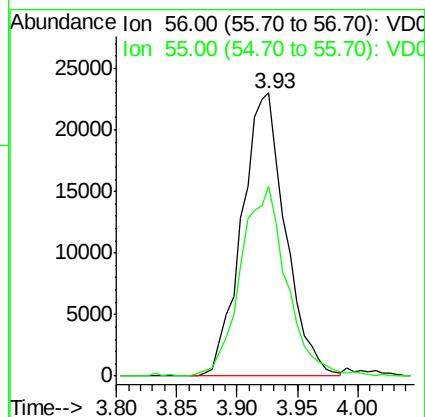
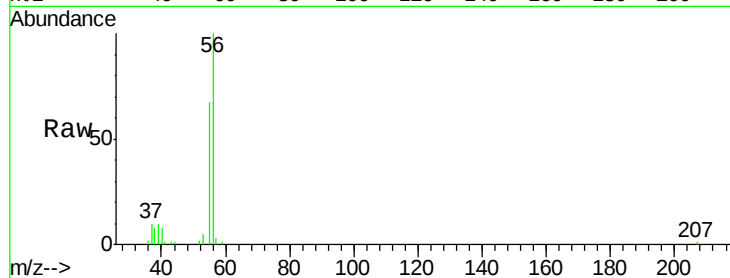
55 70.7 56.9 85.3

Manual Integrations

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#14

Allyl chloride

Concen: 44.105 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067225.D

Acq: 12 Oct 2020 10:58

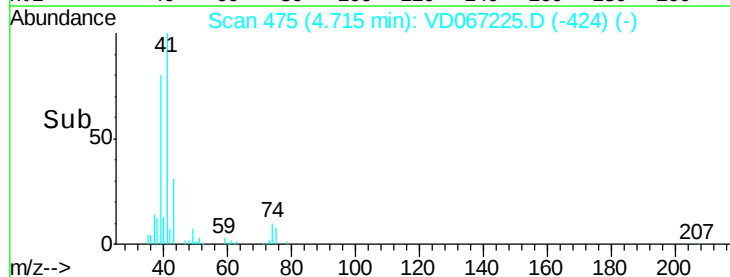
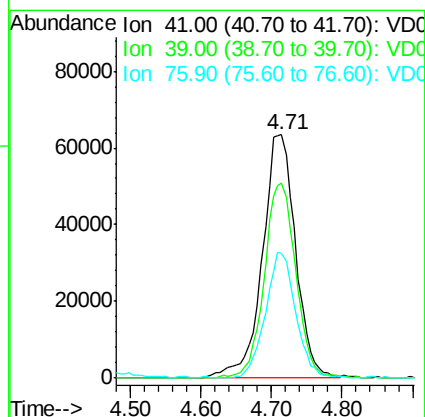
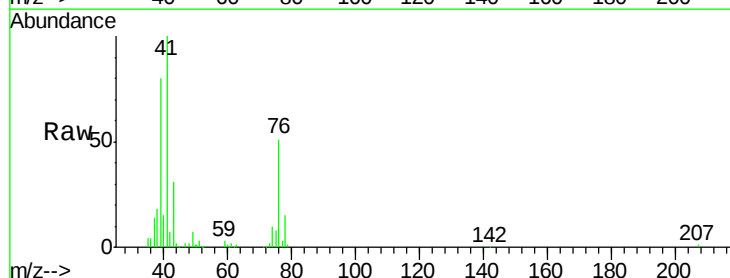
Tgt Ion: 41 Resp: 208764

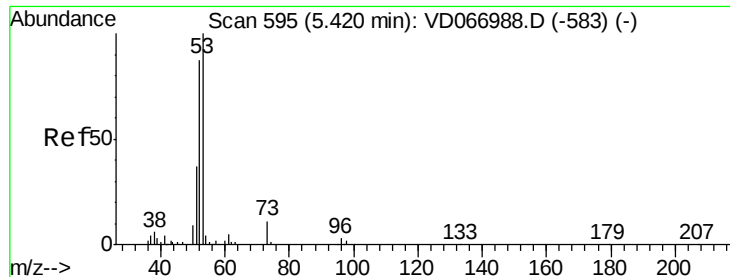
Ion Ratio Lower Upper

41 100

39 76.6 56.2 84.2

76 46.7 34.2 51.2





#15

Acrylonitrile

Concen: 225.984 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.00 min

Lab File: VD067225.D

Acq: 12 Oct 2020 10:58

Instrument :

MSVOA_D

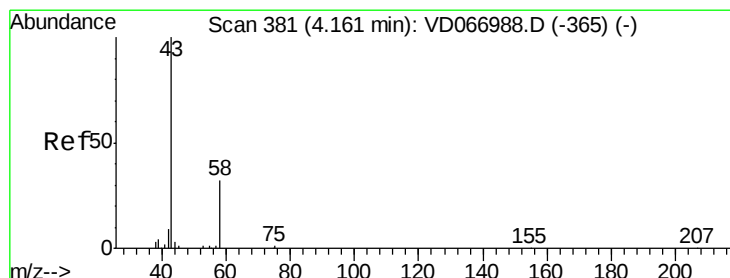
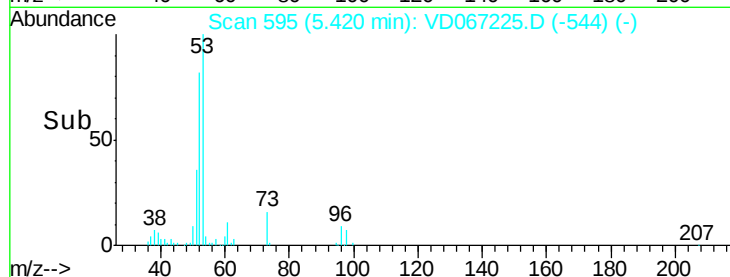
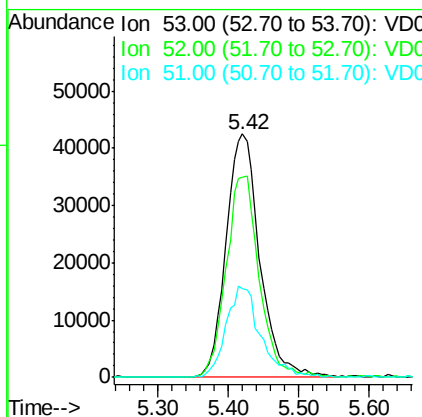
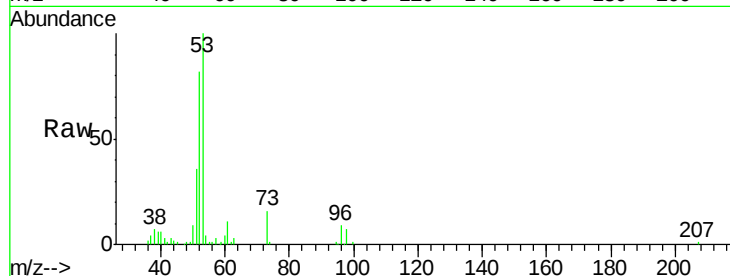
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	141432
Ion	Ratio	Lower	Upper
53	100		
52	81.1	67.3	100.9
51	38.1	30.2	45.2

Manual Integrations
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#16

Acetone

Concen: 273.204 ug/l

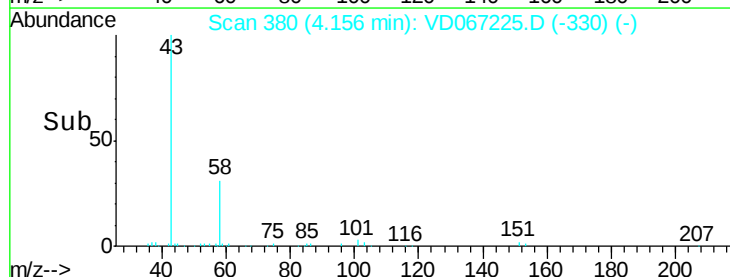
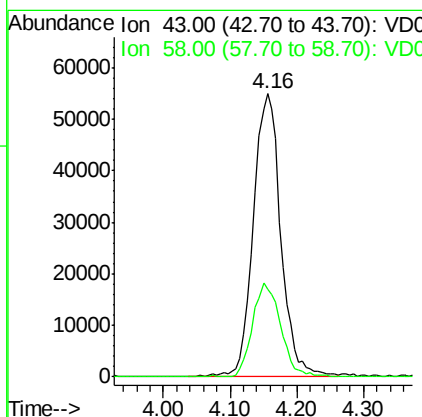
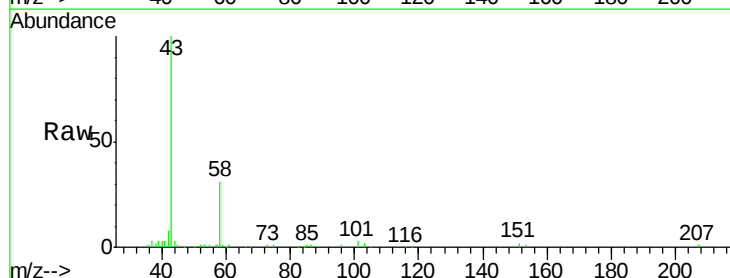
RT: 4.16 min Scan# 380

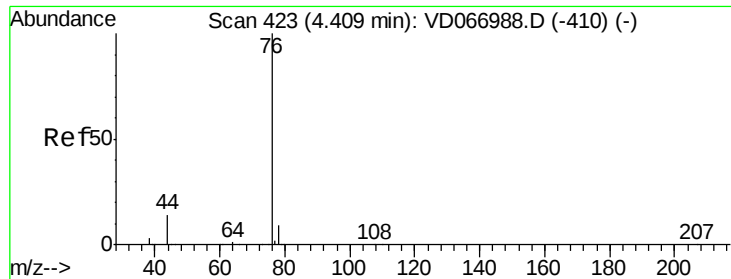
Delta R.T. -0.01 min

Lab File: VD067225.D

Acq: 12 Oct 2020 10:58

Tgt Ion:	43	Resp:	155263
Ion	Ratio	Lower	Upper
43	100		
58	31.0	25.9	38.9





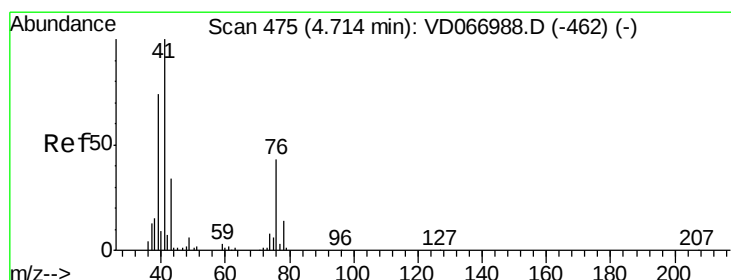
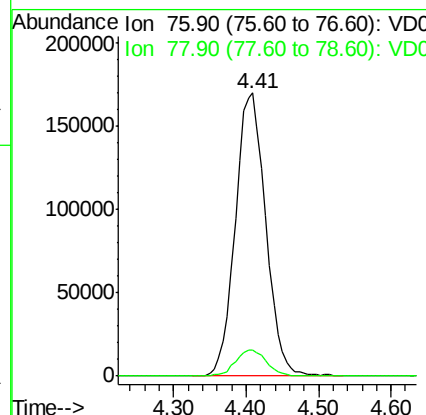
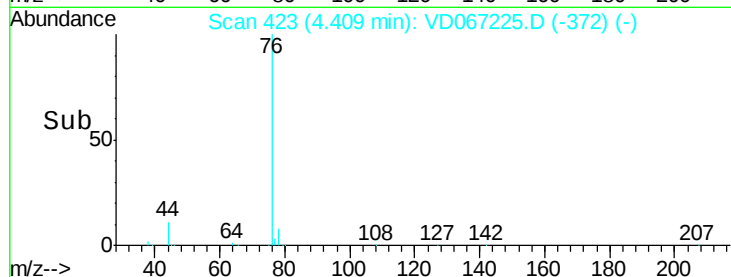
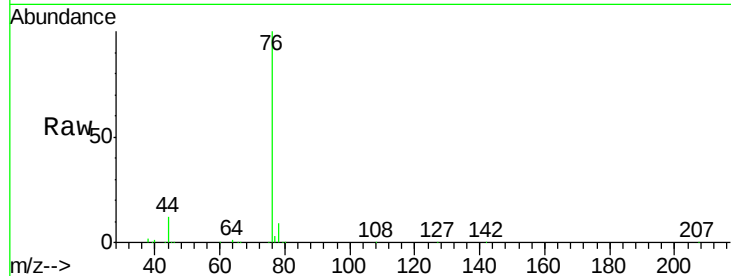
#17
Carbon Disulfide
Concen: 44.240 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD067225.D
Acq: 12 Oct 2020 10:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.5	11.3

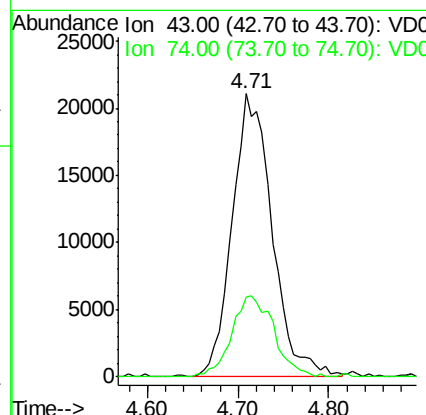
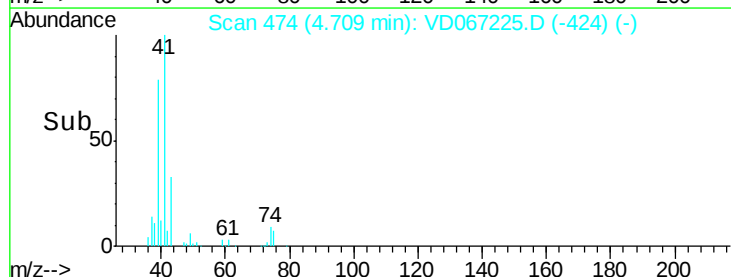
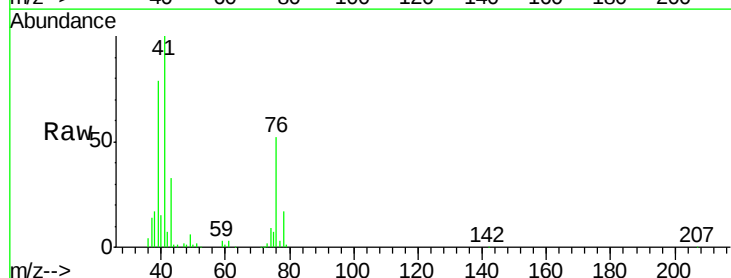
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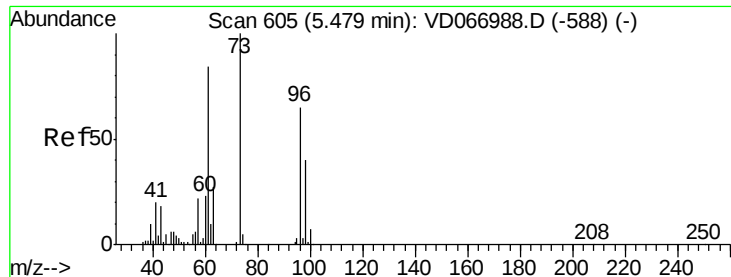
MMDadoda
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#18
Methyl Acetate
Concen: 45.216 ug/l
RT: 4.71 min Scan# 474
Delta R.T. -0.01 min
Lab File: VD067225.D
Acq: 12 Oct 2020 10:58

Tgt Ion	Ratio	Lower	Upper
43	100		
74	30.2	21.5	32.3





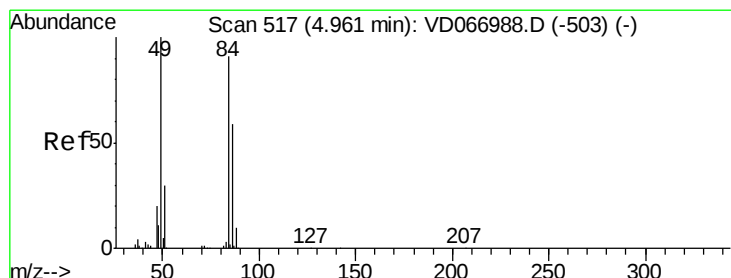
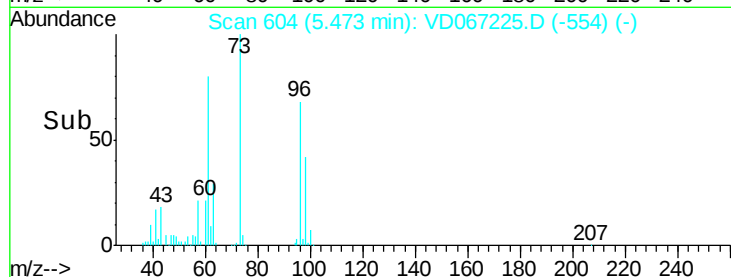
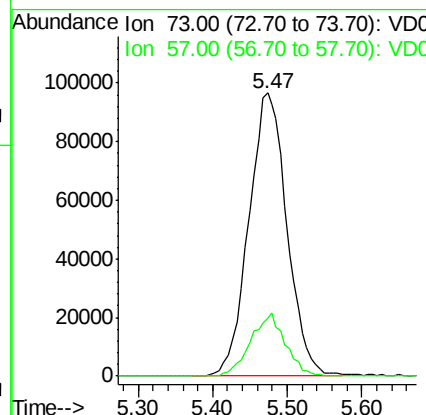
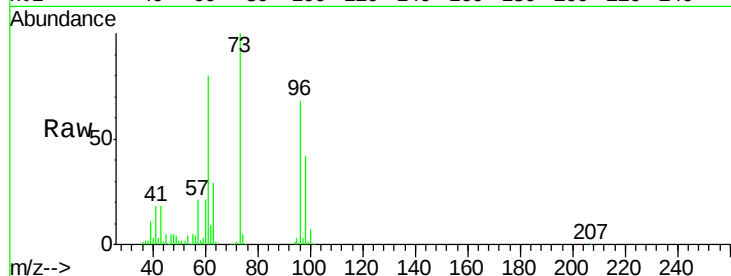
#19
Methyl tert-butyl Ether
Concen: 51.447 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD067225.D
Acq: 12 Oct 2020 10:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 342196
Ion Ratio Lower Upper
73 100
57 20.7 17.4 26.0

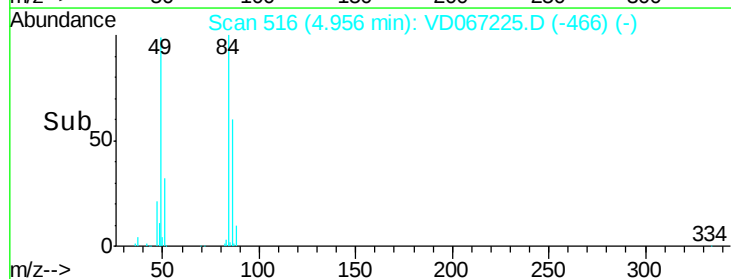
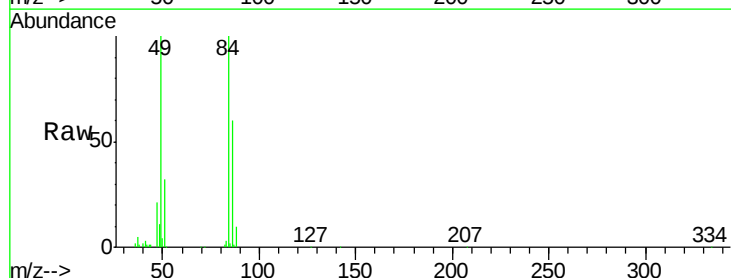
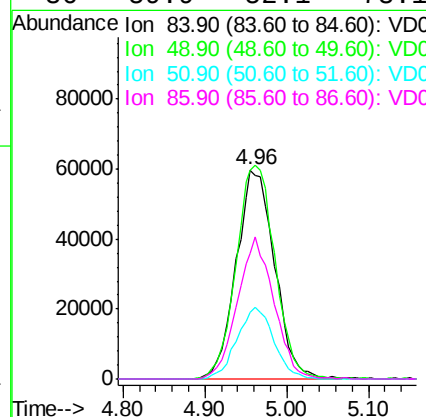
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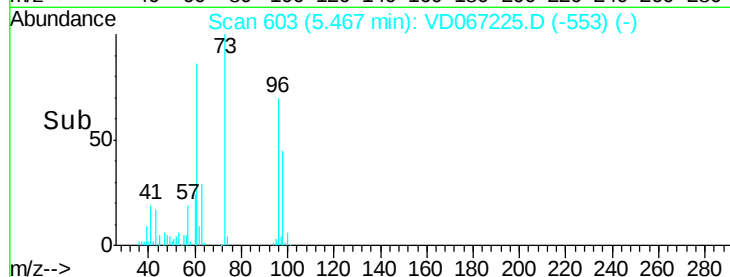
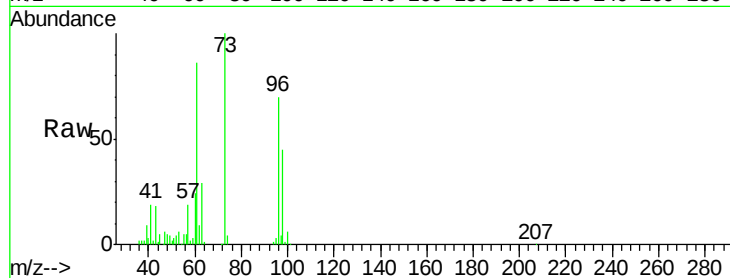
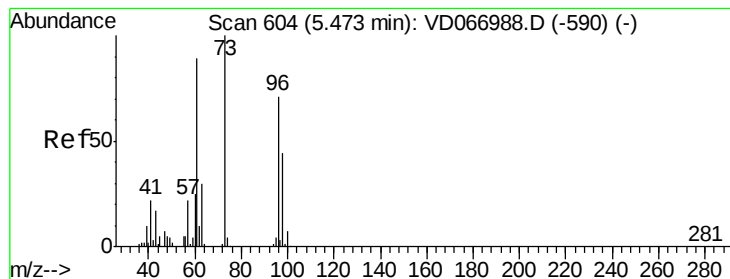
MMDadoda
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#20
Methylene Chloride
Concen: 47.994 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD067225.D
Acq: 12 Oct 2020 10:58

Tgt Ion: 84 Resp: 194731
Ion Ratio Lower Upper
84 100
49 99.8 88.2 132.2
51 32.1 26.6 39.8
86 59.9 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 48.429 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD067225.D

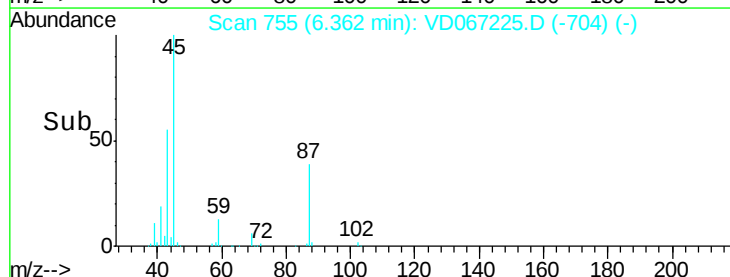
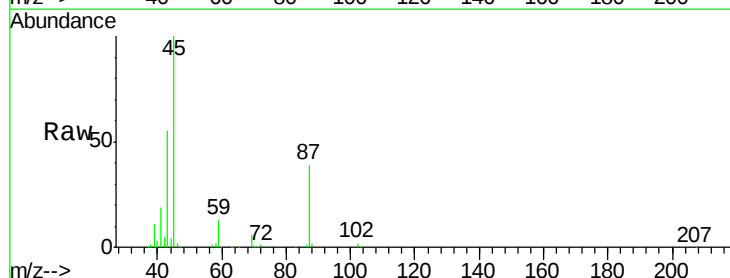
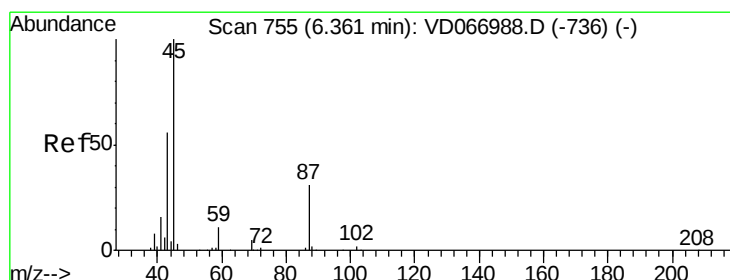
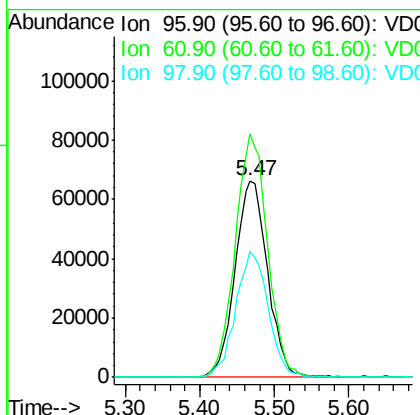
Acq: 12 Oct 2020 10:58

Tot Ion:	96	Resp:	200814
Ion	Ratio	Lower	Upper
96	100		
61	123.9	99.6	149.4
98	64.0	49.4	74.2

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

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#22

Diisopropyl ether

Concen: 45.713 ug/l

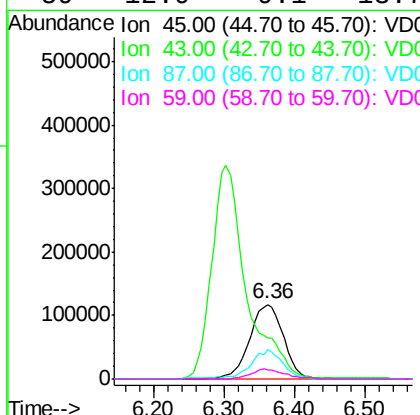
RT: 6.36 min Scan# 755

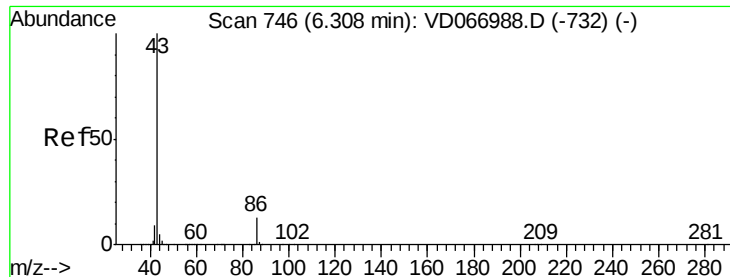
Delta R.T. 0.00 min

Lab File: VD067225.D

Acq: 12 Oct 2020 10:58

Tgt Ion:	45	Resp:	395022
Ion	Ratio	Lower	Upper
45	100		
43	53.7	45.2	67.8
87	39.2	25.6	38.4#
59	12.9	9.1	13.7





#23

Vinyl Acetate

Concen: 234.706 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD067225.D

Acq: 12 Oct 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1149302

Ion Ratio Lower Upper

43 100

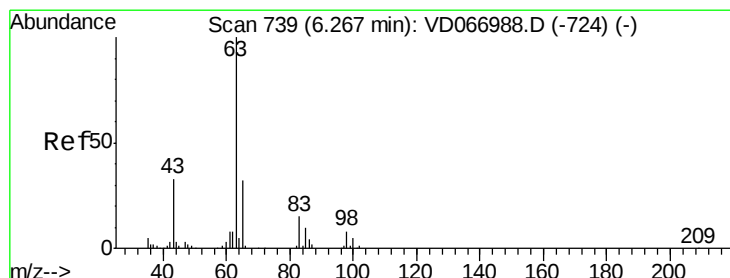
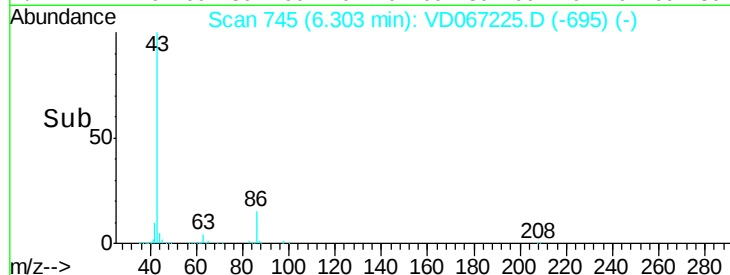
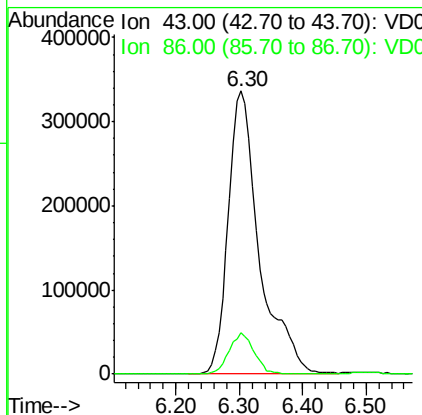
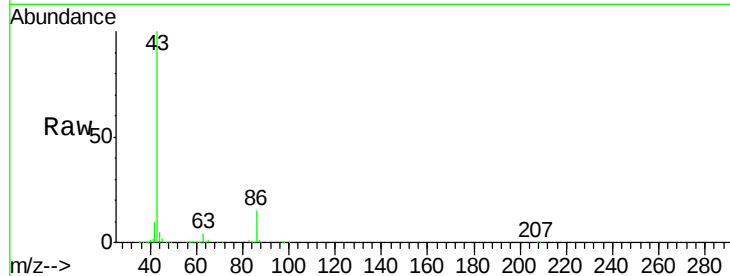
86 14.7 10.2 15.2

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 46.614 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD067225.D

Acq: 12 Oct 2020 10:58

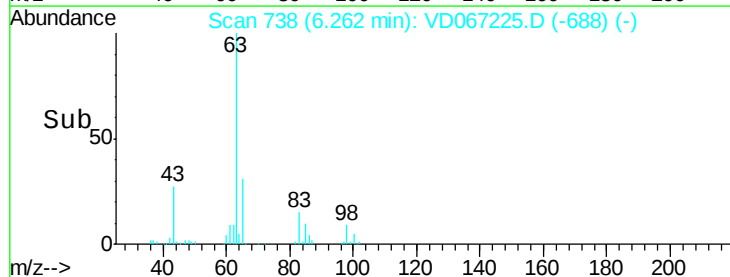
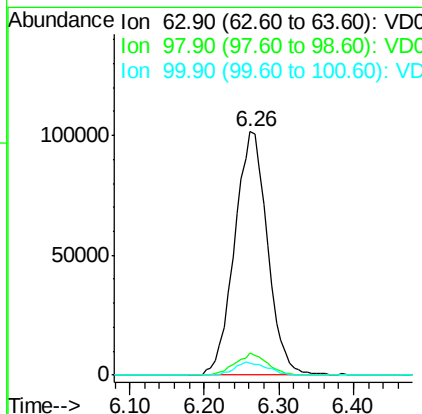
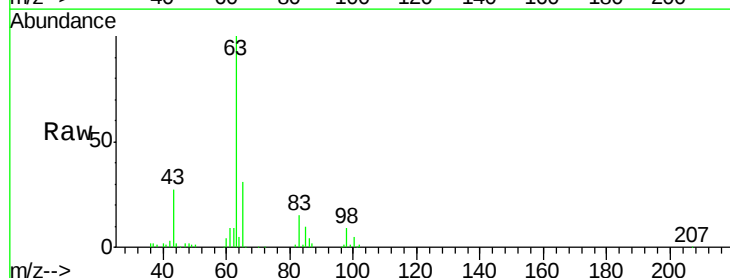
Tgt Ion: 63 Resp: 310866

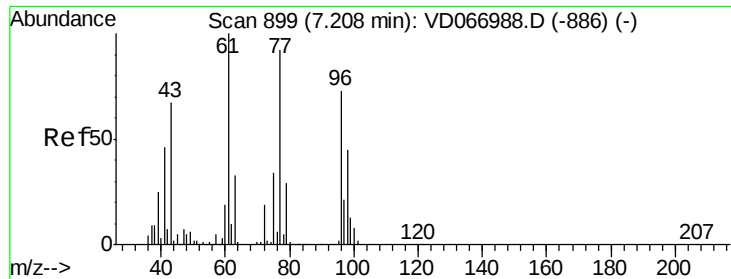
Ion Ratio Lower Upper

63 100

98 8.9 4.2 12.6

100 5.0 2.6 7.8





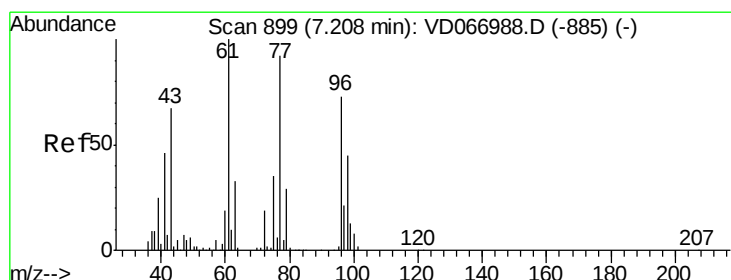
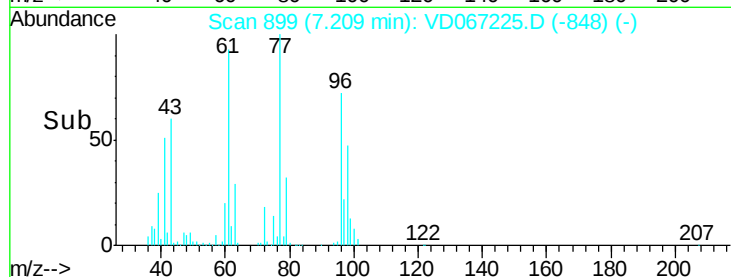
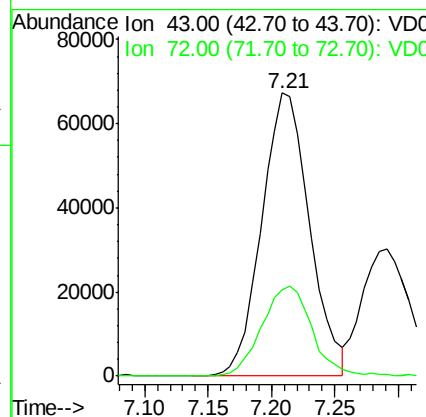
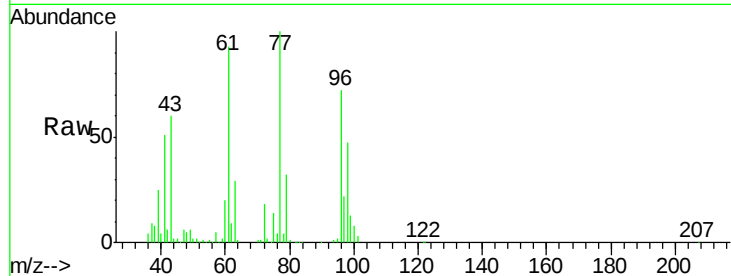
#25
2-Butanone
Concen: 219.490 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD067225.D
Acq: 12 Oct 2020 10:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 176849
Ion Ratio Lower Upper
43 100
72 30.6 22.8 34.2

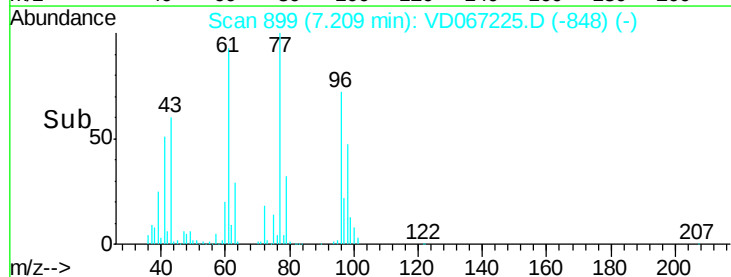
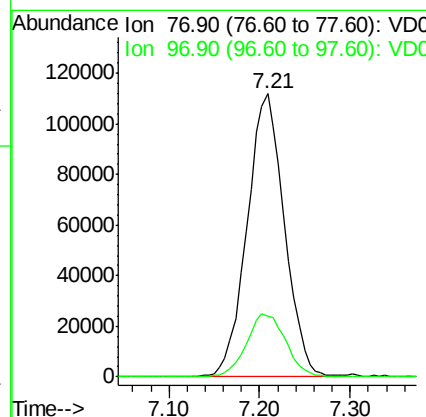
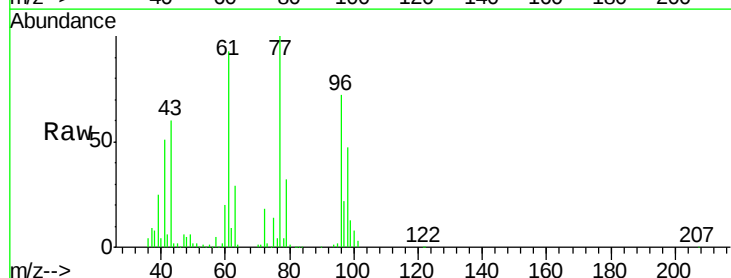
Manual Integrations
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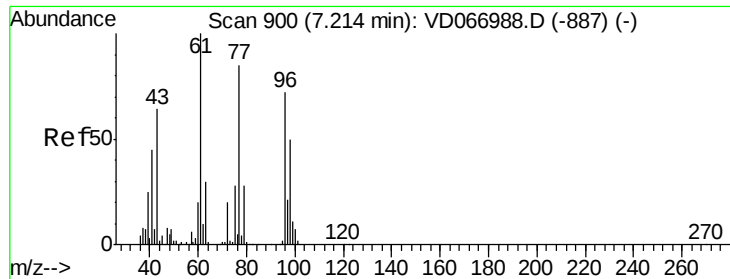
MMDadoda
10/13/2020 1:52:15 PM



#26
2,2-Dichloropropane
Concen: 56.588 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD067225.D
Acq: 12 Oct 2020 10:58

Tgt Ion: 77 Resp: 319600
Ion Ratio Lower Upper
77 100
97 23.4 11.4 34.2





#27

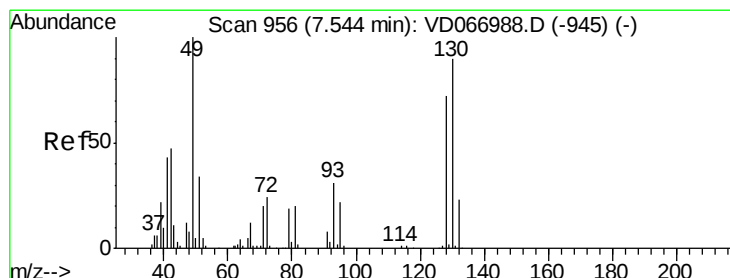
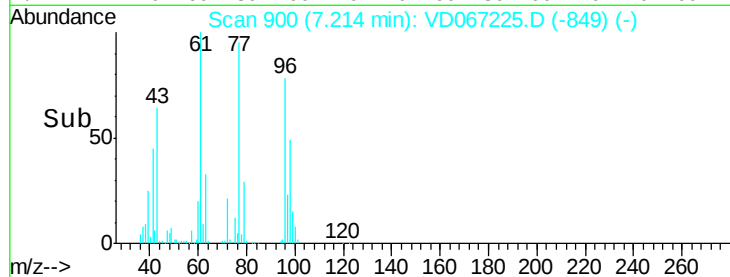
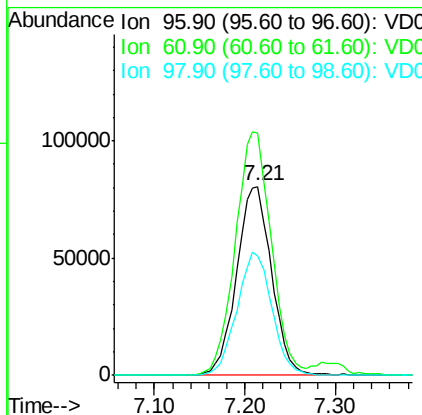
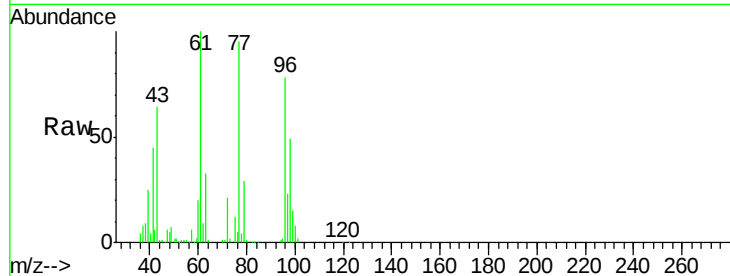
cis-1,2-Dichloroethene
Concen: 48.717 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067225.D
Acq: 12 Oct 2020 10:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	132.4	0.0	269.2
98	65.1	0.0	129.4

Manual Integrations
APPROVED

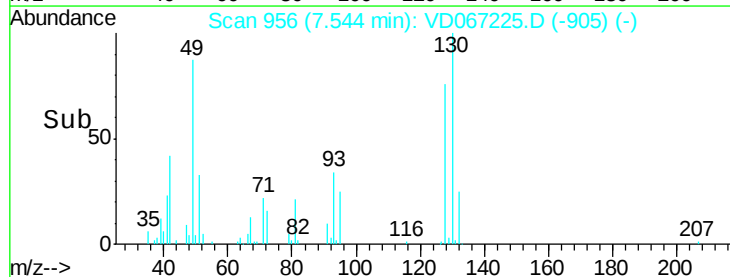
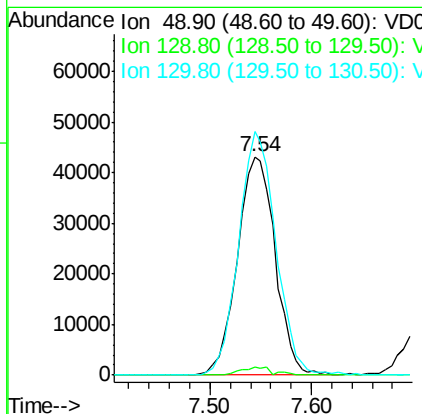
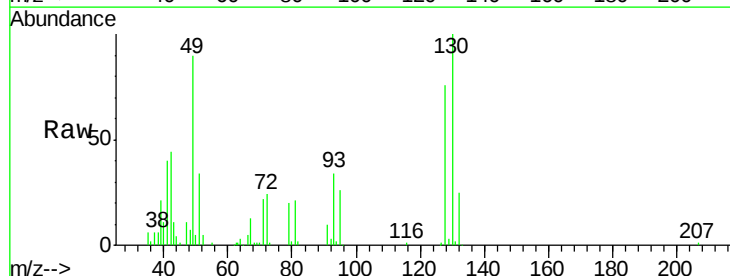
MMDadoda
10/13/2020 1:52:15 PM

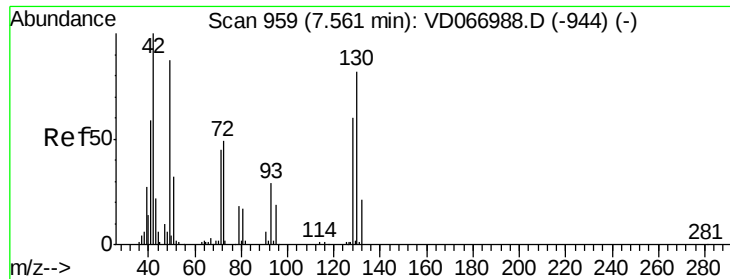


#28

Bromochloromethane
Concen: 43.269 ug/l
RT: 7.54 min Scan# 956
Delta R.T. 0.00 min
Lab File: VD067225.D
Acq: 12 Oct 2020 10:58

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.0	0.0	4.6
130	110.3	74.1	111.1





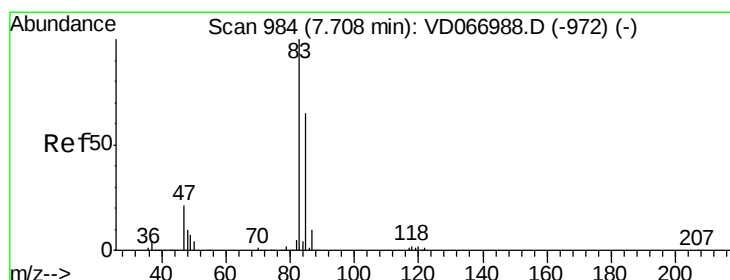
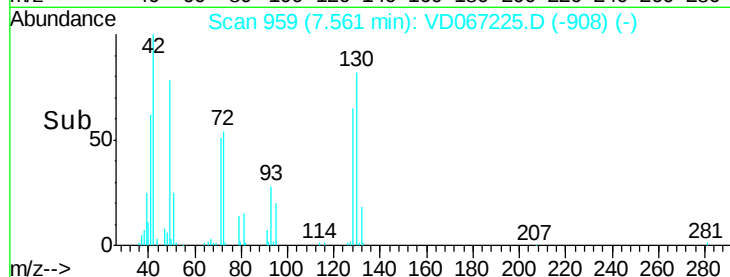
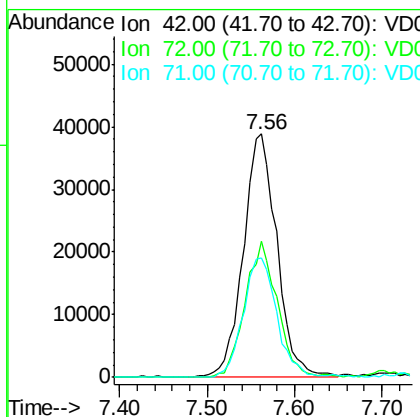
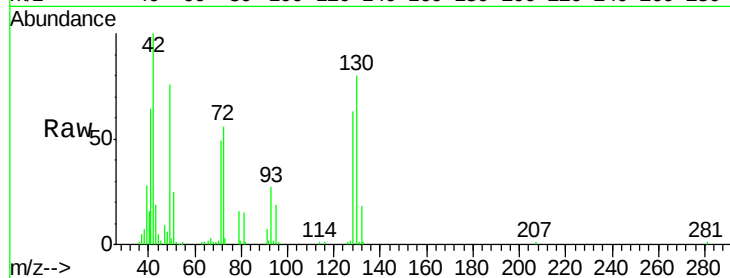
#29
Tetrahydrofuran
Concen: 218.630 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD067225.D
Acq: 12 Oct 2020 10:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	53.7	39.1	58.7
71	48.8	34.2	51.4

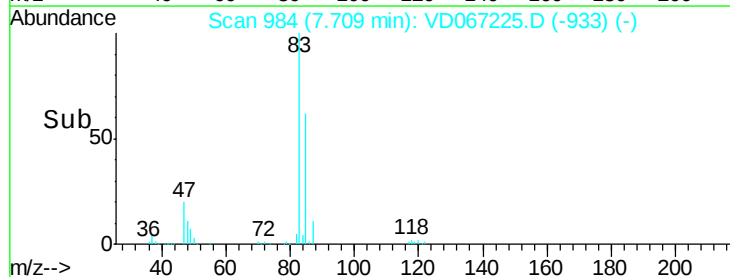
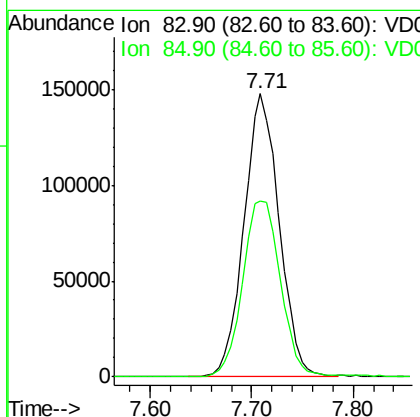
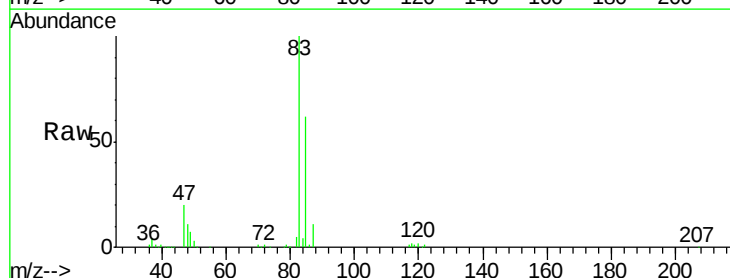
Manual Integrations
APPROVED

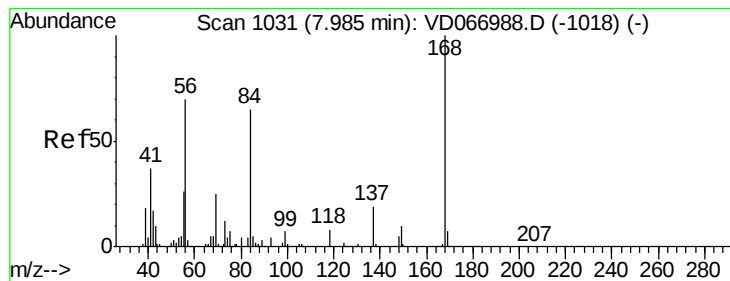
MMDadoda
10/13/2020 1:52:15 PM



#30
Chloroform
Concen: 49.132 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.00 min
Lab File: VD067225.D
Acq: 12 Oct 2020 10:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.0	52.3	78.5





#31

Cyclohexane

Concen: 43.335 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067225.D

Acq: 12 Oct 2020 10:58

Instrument :

MSVOA_D

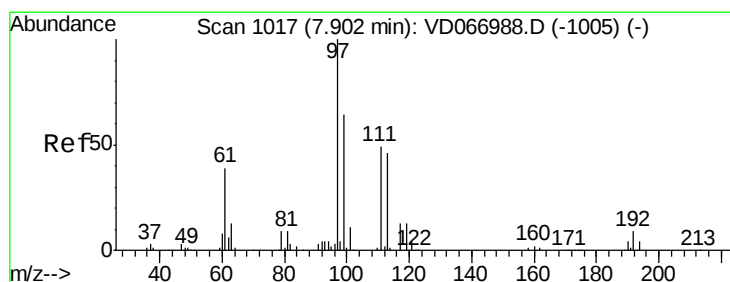
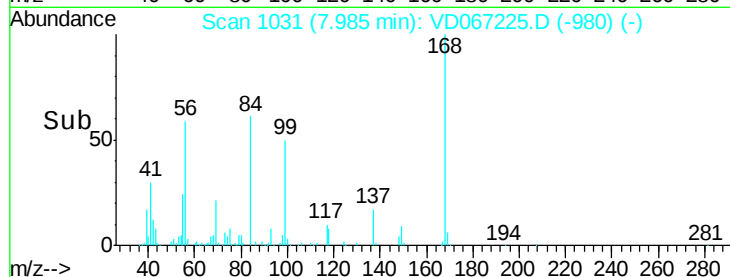
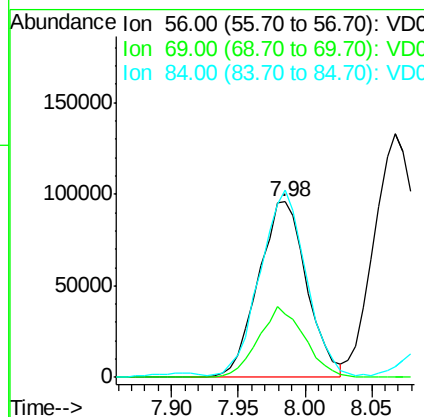
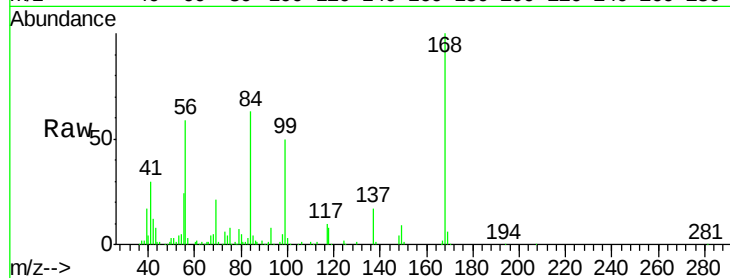
ClientSampleId :

VSTDCCC050

Tot Ion	56	Resp	242286
Ion	Ratio	Lower	Upper
56	100		
69	36.2	29.0	43.6
84	104.3	74.2	111.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 52.425 ug/l

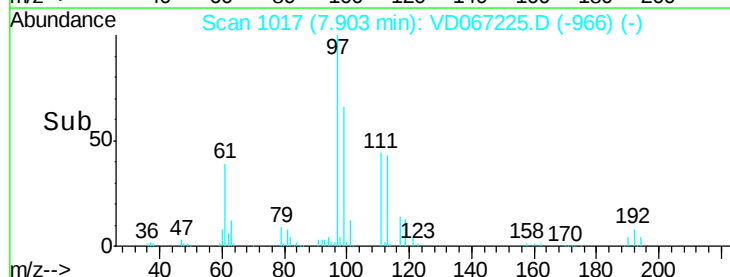
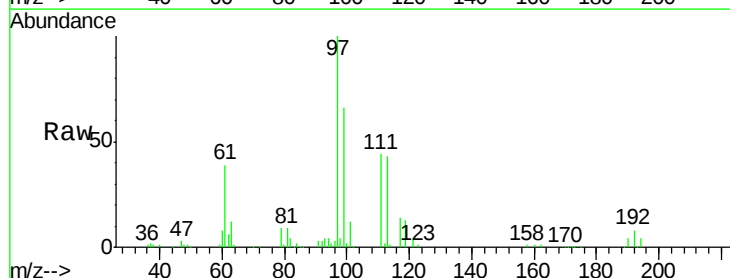
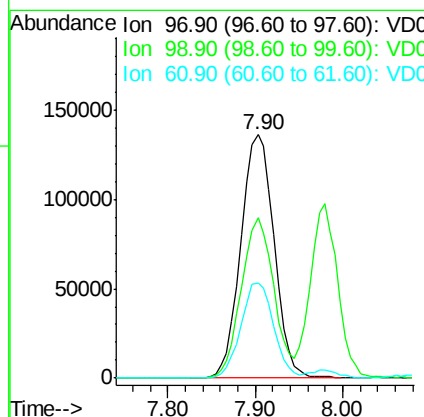
RT: 7.90 min Scan# 1017

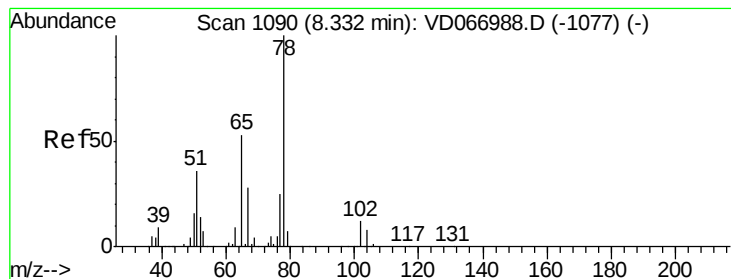
Delta R.T. 0.00 min

Lab File: VD067225.D

Acq: 12 Oct 2020 10:58

Tgt Ion	97	Resp	351489
Ion	Ratio	Lower	Upper
97	100		
99	64.6	52.6	78.8
61	38.2	32.8	49.2





#33

1,2-Dichloroethane-d4

Concen: 46.411 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD067225.D

Acq: 12 Oct 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 172783

Ion Ratio Lower Upper

65 100

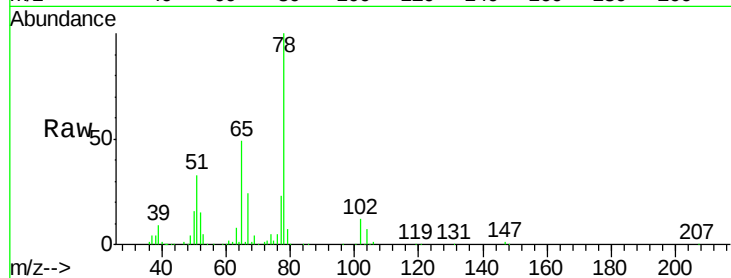
67 51.5 0.0 106.8

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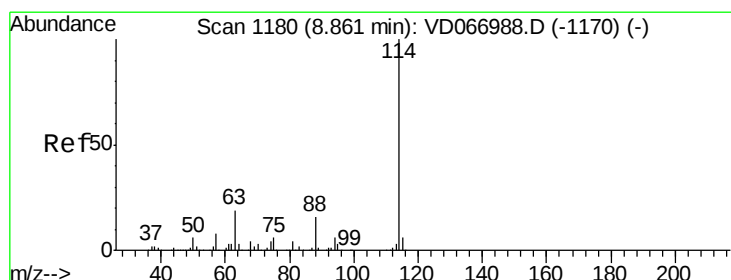
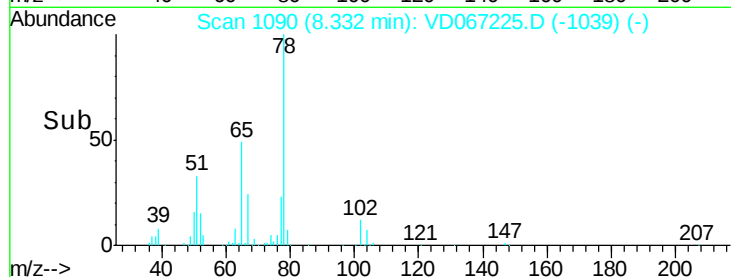
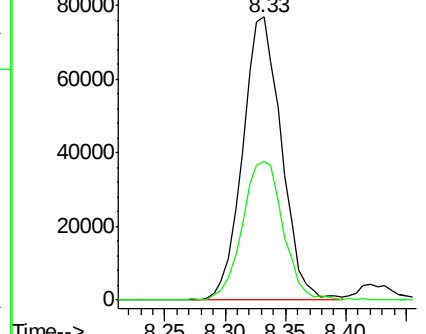
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Abundance Ion 64.90 (64.60 to 65.60): VD066988.D (-1077) (-)

Ion 66.90 (66.60 to 67.60): VD066988.D (-1077) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD067225.D

Acq: 12 Oct 2020 10:58

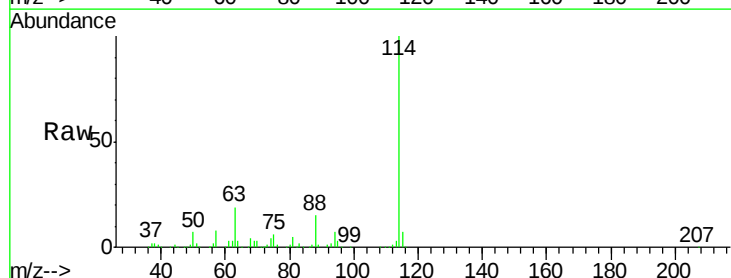
Tgt Ion: 114 Resp: 557883

Ion Ratio Lower Upper

114 100

63 18.6 0.0 38.4

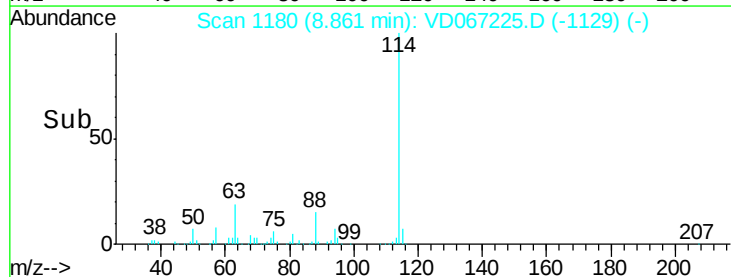
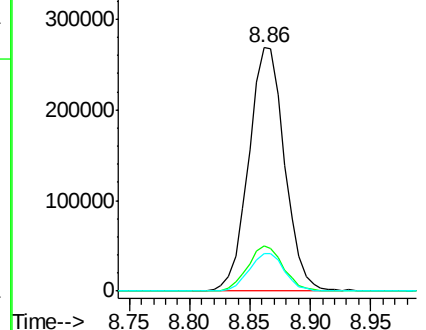
88 15.5 0.0 31.2

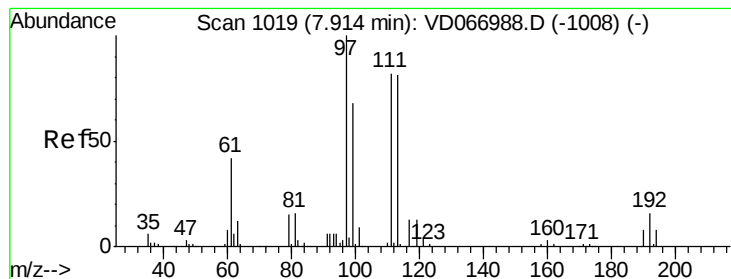


Abundance Ion 113.90 (113.60 to 114.60): VD066988.D (-1170) (-)

Ion 63.00 (62.70 to 63.70): VD066988.D (-1170) (-)

Ion 87.90 (87.60 to 88.60): VD066988.D (-1170) (-)





#35

Dibromofluoromethane

Concen: 53.105 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VD067225.D

Acq: 12 Oct 2020 10:58

Instrument :

MSVOA_D

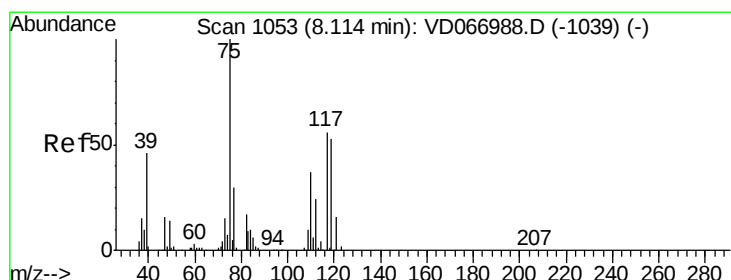
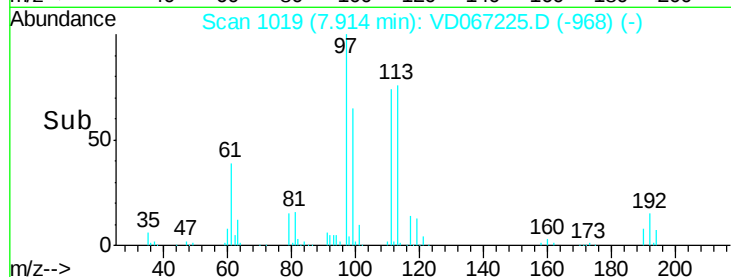
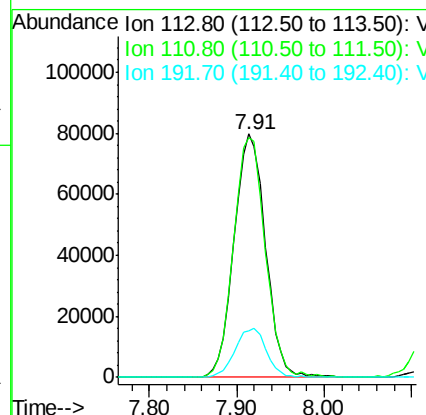
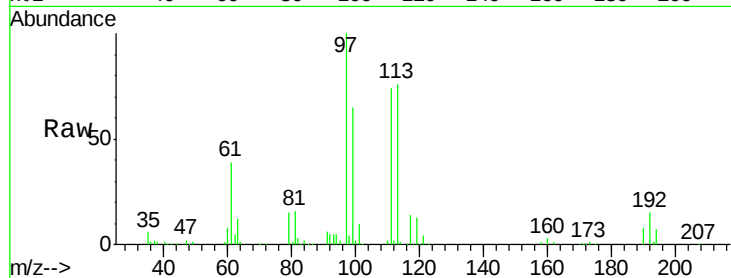
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	193958
Ion Ratio	Lower	Upper	
113	100		
111	100.0	83.0	124.4
192	20.0	15.5	23.3

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 52.813 ug/l

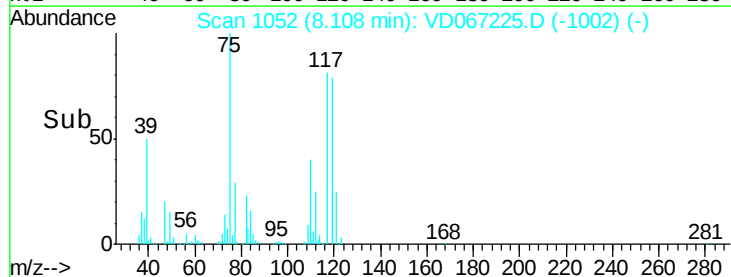
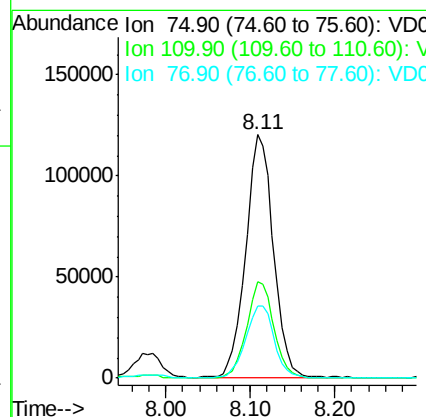
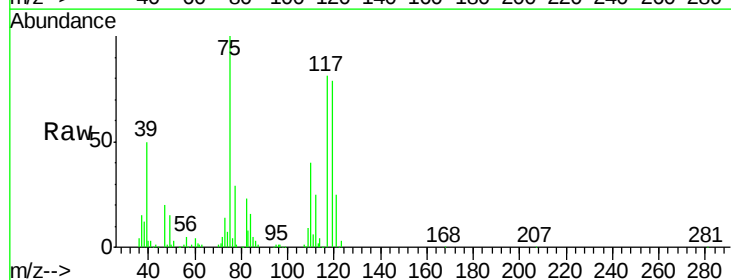
RT: 8.11 min Scan# 1052

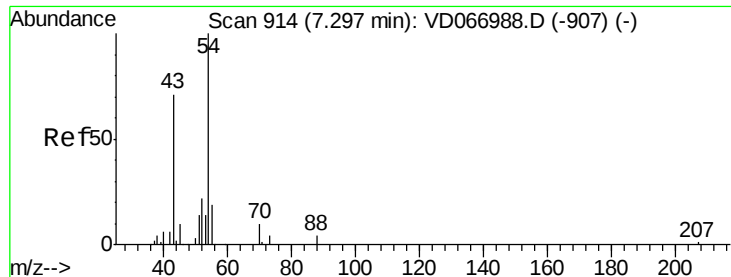
Delta R.T. -0.01 min

Lab File: VD067225.D

Acq: 12 Oct 2020 10:58

Tgt Ion:	75	Resp:	274631
Ion Ratio	Lower	Upper	
75	100		
110	38.7	18.4	55.0
77	31.0	24.8	37.2





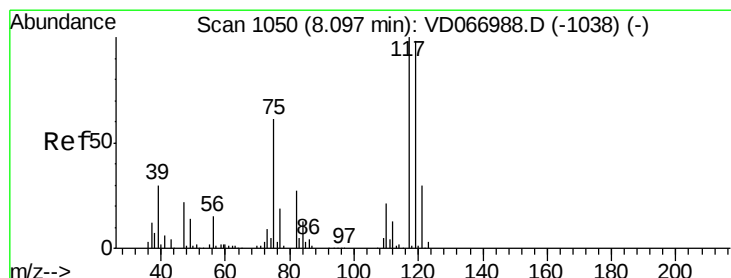
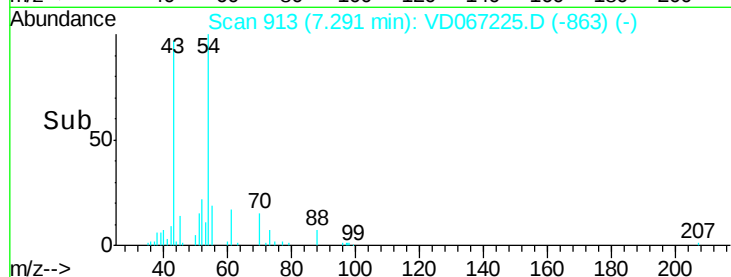
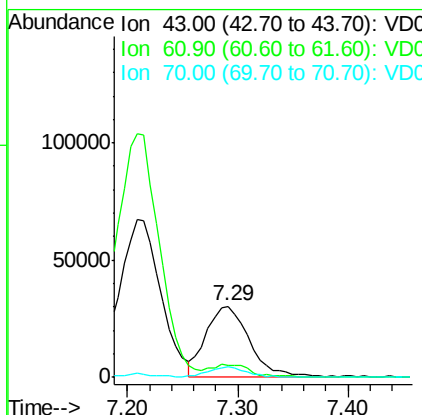
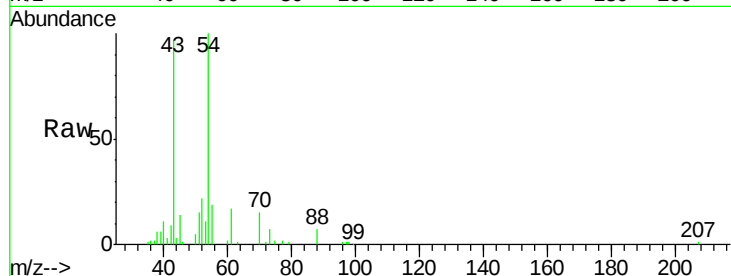
#37
Ethyl Acetate
Concen: 45.231 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067225.D
Acq: 12 Oct 2020 10:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.3	12.5	18.7
70	13.3	9.4	14.0

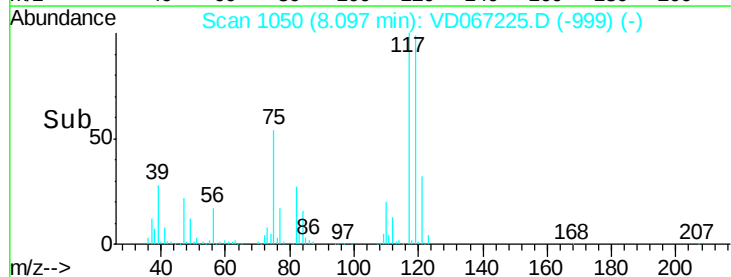
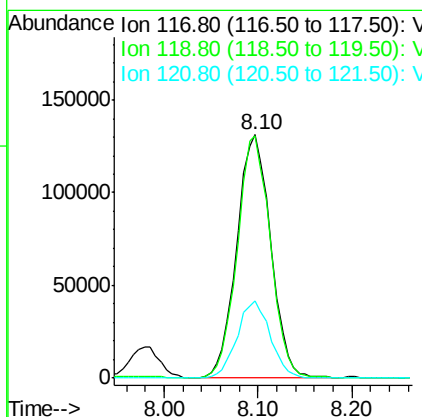
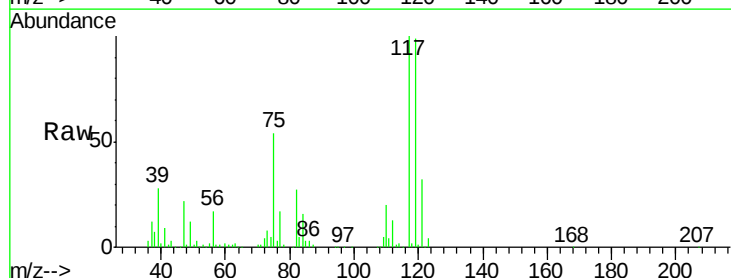
Manual Integrations
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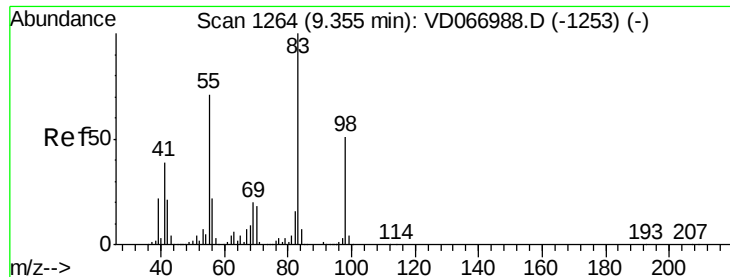
MMDadoda
10/13/2020 1:52:15 PM



#38
Carbon Tetrachloride
Concen: 58.410 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD067225.D
Acq: 12 Oct 2020 10:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.3	78.7	118.1
121	31.7	24.2	36.2





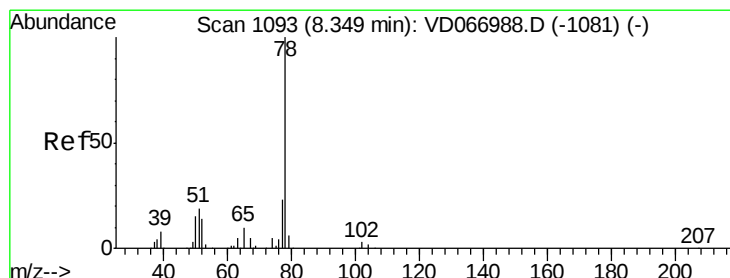
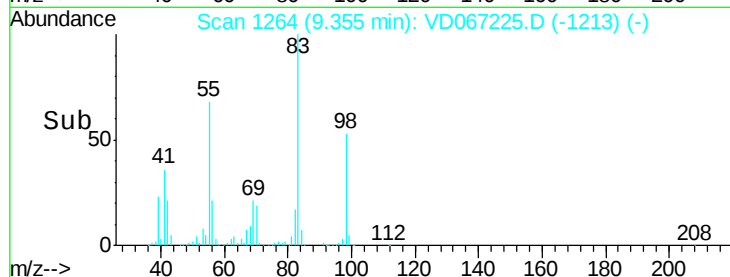
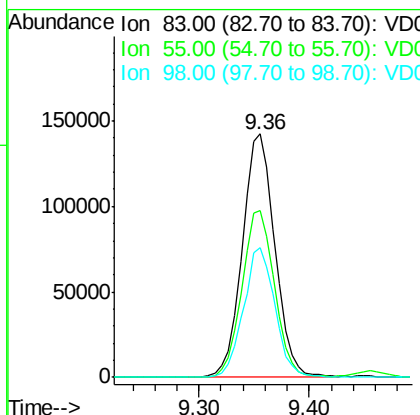
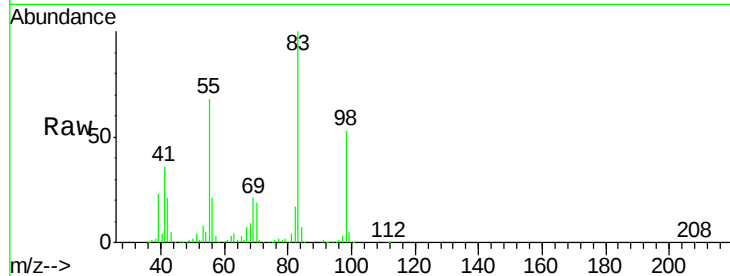
#39
Methvlcvclohexane
Concen: 53.662 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067225.D
Acq: 12 Oct 2020 10:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.5	57.1	85.7
98	53.2	40.9	61.3

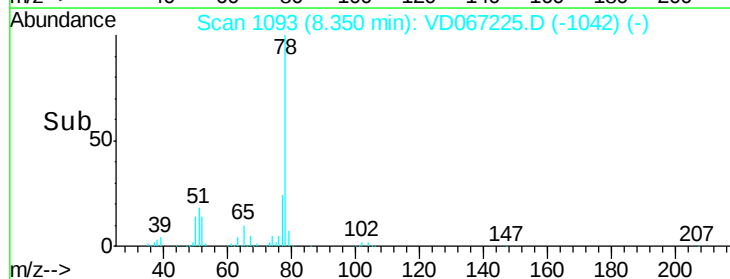
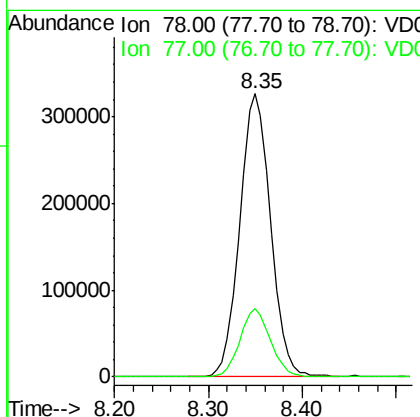
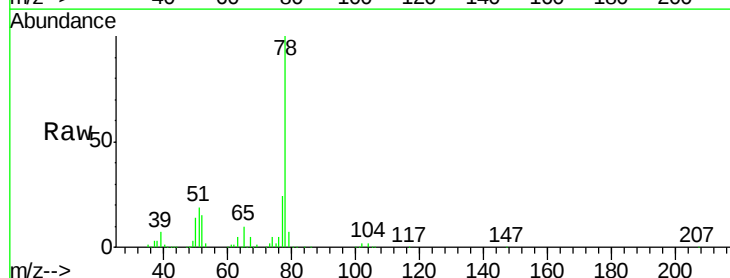
Manual Integrations
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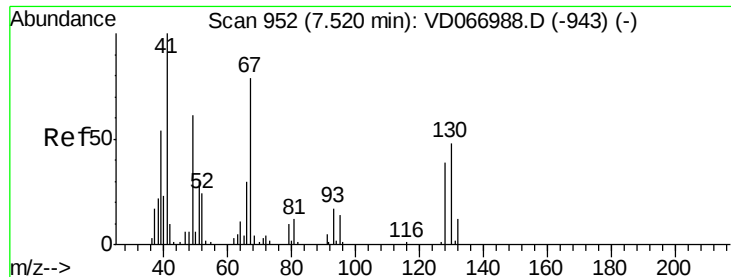
MMDadoda
10/13/2020 1:52:15 PM



#40
Benzene
Concen: 51.220 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD067225.D
Acq: 12 Oct 2020 10:58

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	18.4	27.6





#41

Methacrylonitrile

Concen: 45.764 ug/l m

RT: 7.52 min Scan# 952

Delta R.T. 0.00 min

Lab File: VD067225.D

Acq: 12 Oct 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 44539

Ion Ratio Lower Upper

41 100

39 71.5 0.0 0.0#

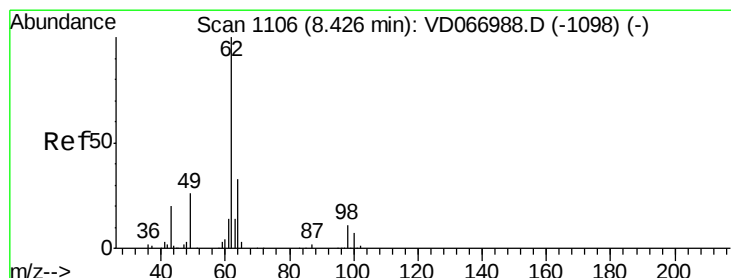
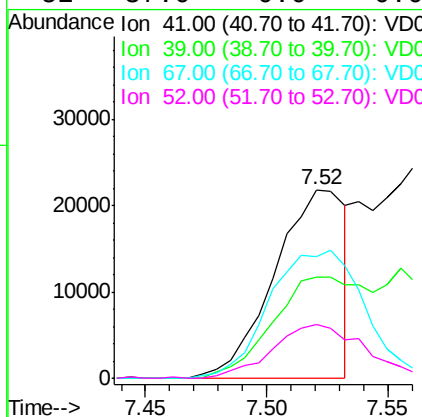
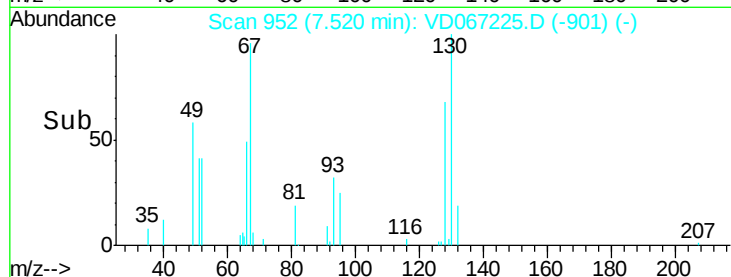
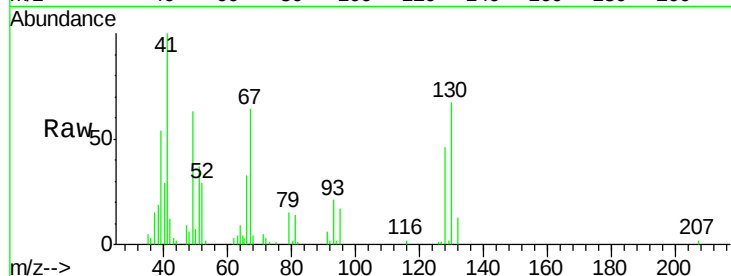
67 91.0 0.0 0.0#

52 37.0 0.0 0.0#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 53.827 ug/l

RT: 8.42 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VD067225.D

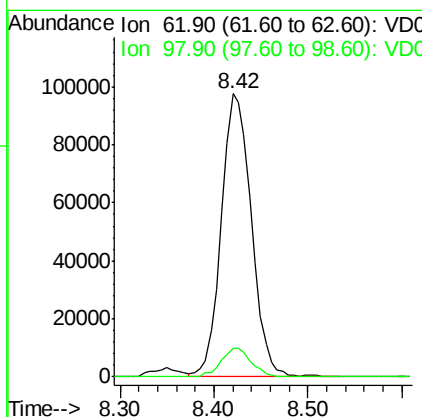
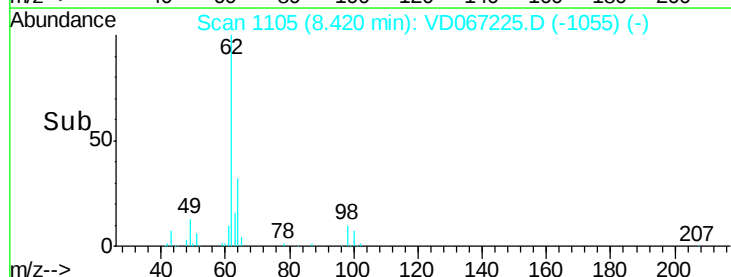
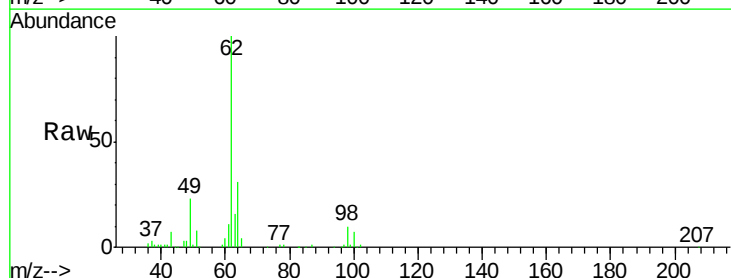
Acq: 12 Oct 2020 10:58

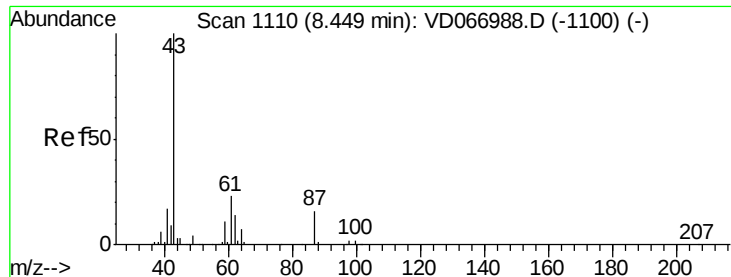
Tgt Ion: 62 Resp: 217243

Ion Ratio Lower Upper

62 100

98 10.1 0.0 22.6





#43

Isopropyl Acetate

Concen: 48.369 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD067225.D

Acq: 12 Oct 2020 10:58

Instrument :

MSVOA_D

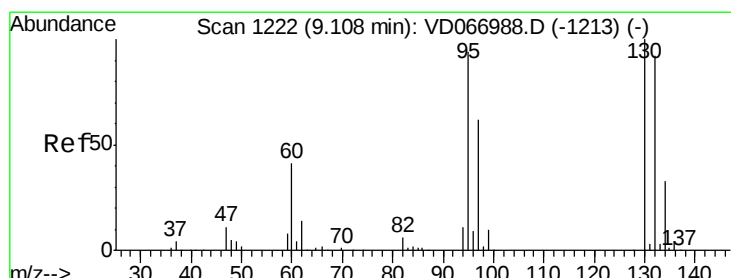
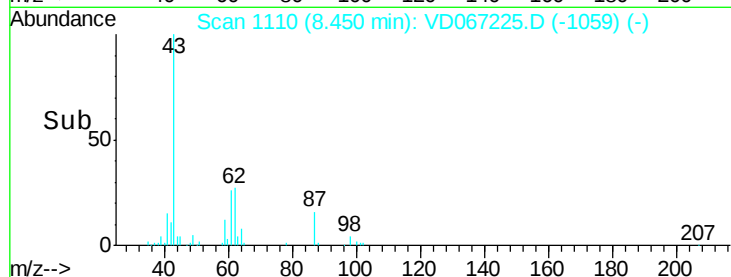
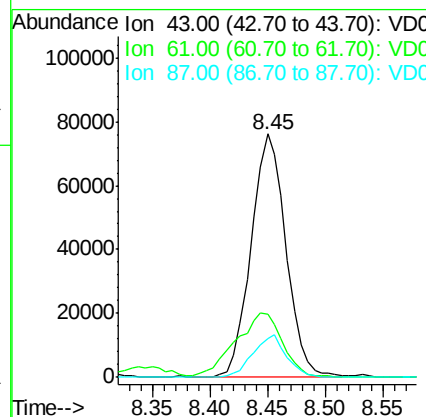
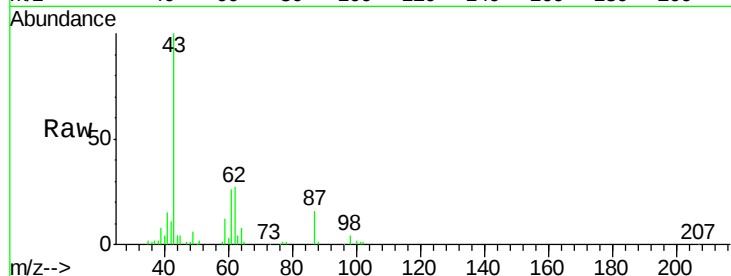
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	160521
Ion	Ratio	Lower	Upper
43	100		
61	35.6	27.1	40.7
87	16.8	12.3	18.5

Manual Integrations
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MMDadoda
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#44

Trichloroethene

Concen: 54.433 ug/l

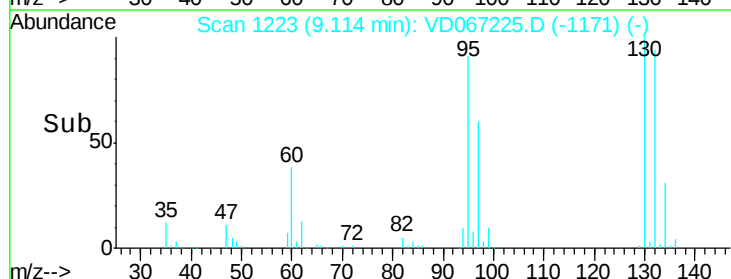
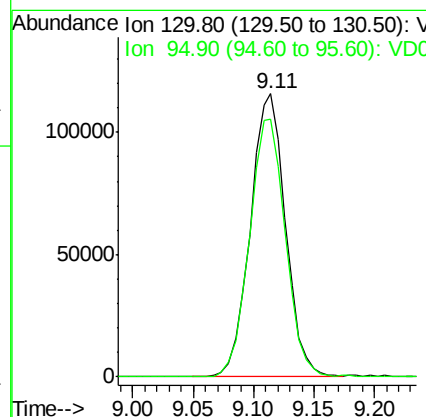
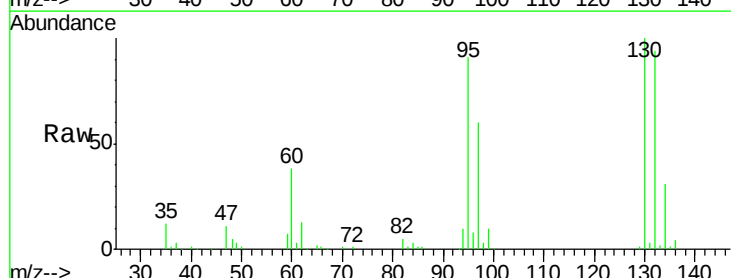
RT: 9.11 min Scan# 1223

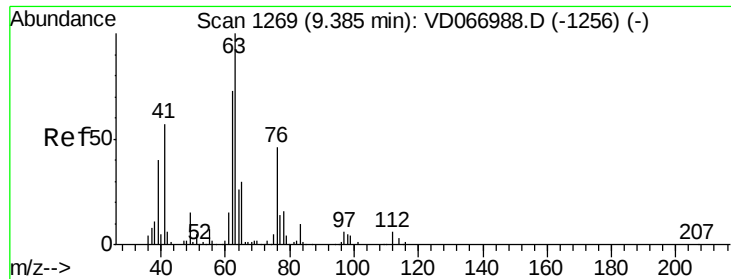
Delta R.T. 0.01 min

Lab File: VD067225.D

Acq: 12 Oct 2020 10:58

Tgt Ion:	130	Resp:	234767
Ion	Ratio	Lower	Upper
130	100		
95	91.0	0.0	187.8





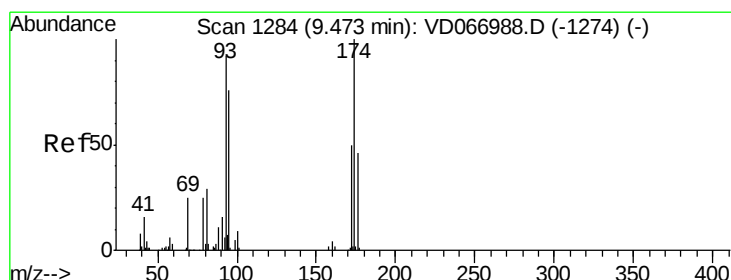
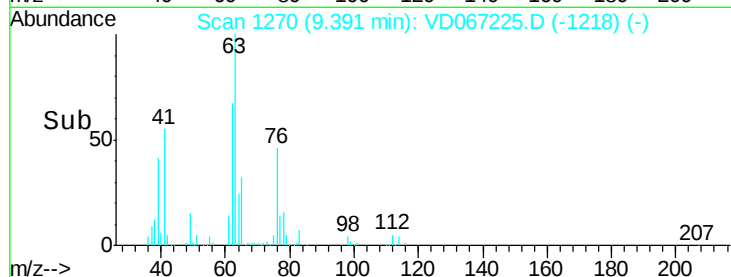
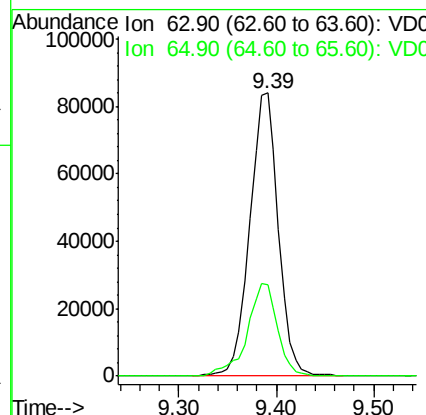
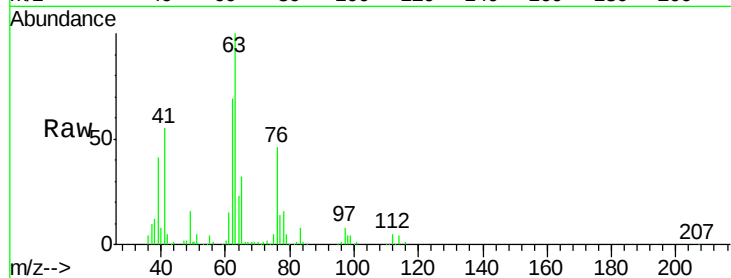
#45
 1,2-Dichloropropane
 Concen: 50.770 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.01 min
 Lab File: VD067225.D
 Acq: 12 Oct 2020 10:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 172297
 Ion Ratio Lower Upper
 63 100
 65 32.4 23.7 35.5

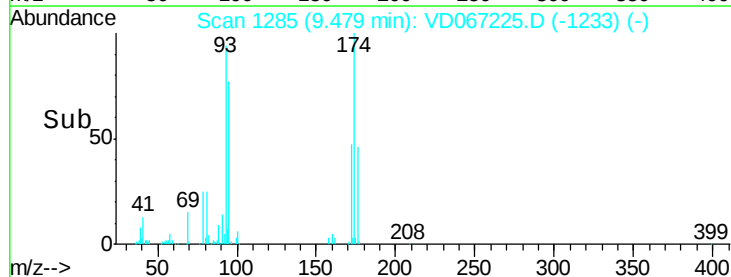
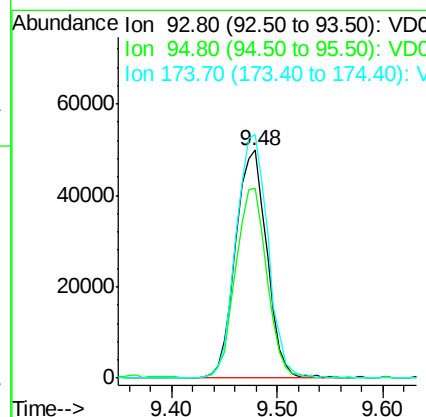
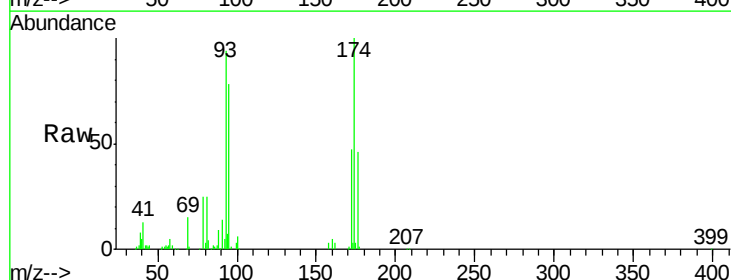
Manual Integrations
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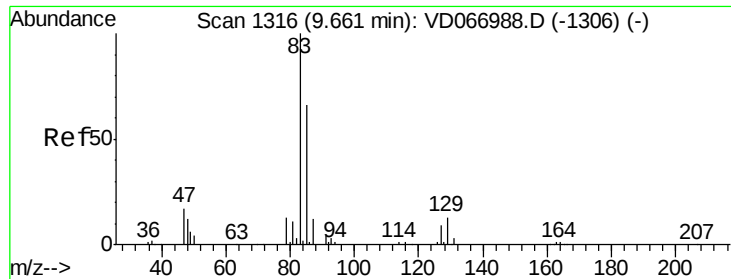
MMDadoda
 10/13/2020 1:52:15 PM



#46
 Dibromomethane
 Concen: 52.683 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.01 min
 Lab File: VD067225.D
 Acq: 12 Oct 2020 10:58

Tgt Ion: 93 Resp: 102760
 Ion Ratio Lower Upper
 93 100
 95 82.8 64.7 97.1
 174 108.2 81.4 122.2





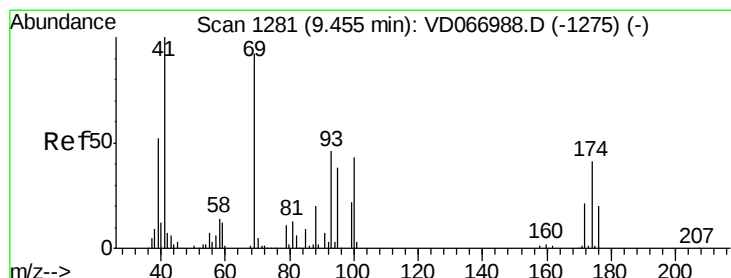
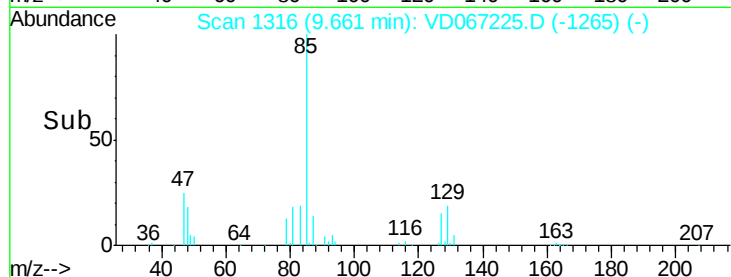
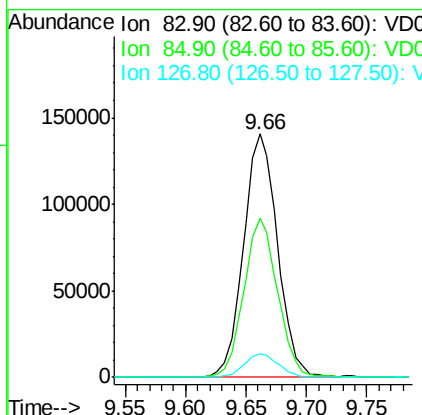
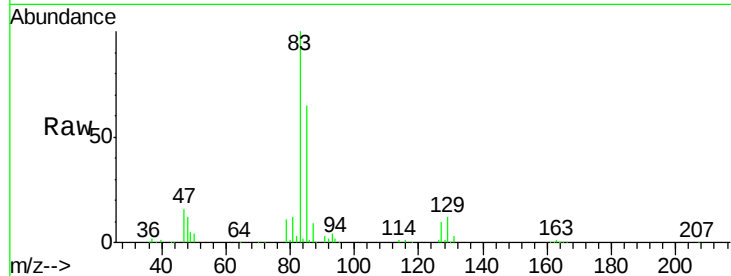
#47
Bromodichloromethane
Concen: 54.350 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VD067225.D
Acq: 12 Oct 2020 10:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	275567		
85	65.3		52.9	79.3
127	9.8		7.3	10.9

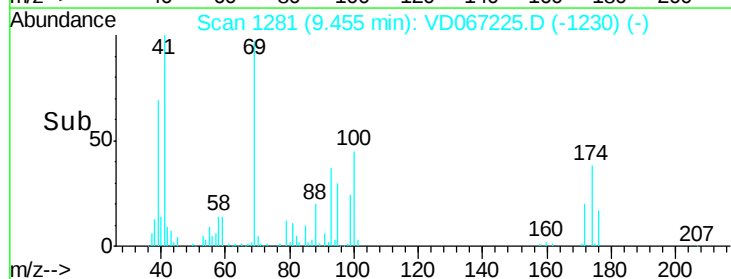
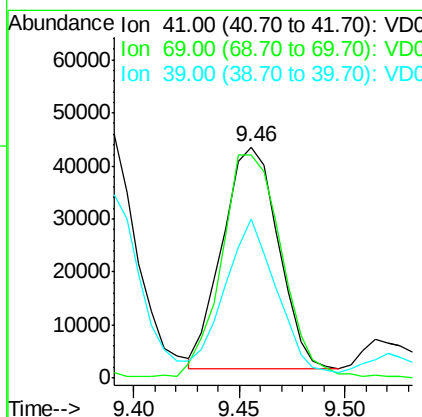
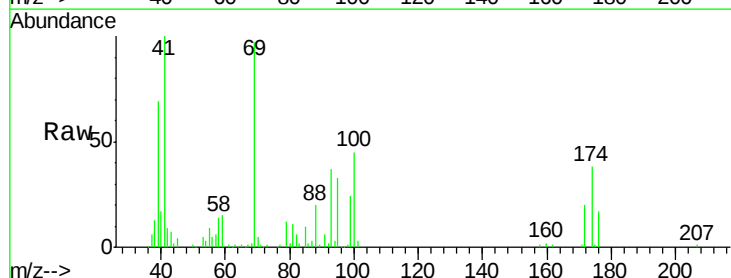
Manual Integrations
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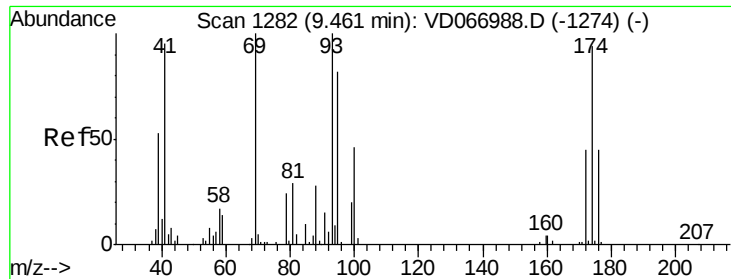
MMDadoda
10/13/2020 1:52:15 PM



#48
Methyl methacrylate
Concen: 44.879 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VD067225.D
Acq: 12 Oct 2020 10:58

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	76304		
69	109.2		68.5	102.7#
39	70.6		40.2	60.2#





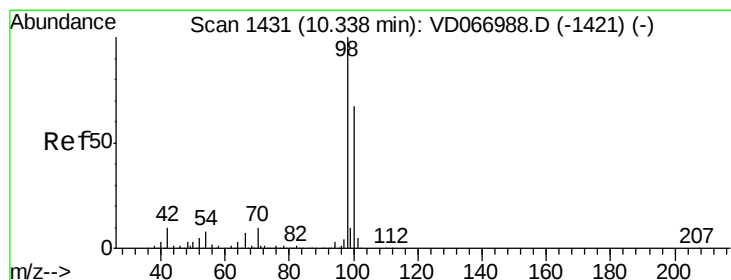
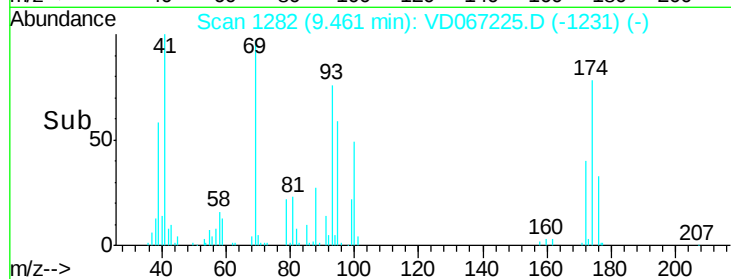
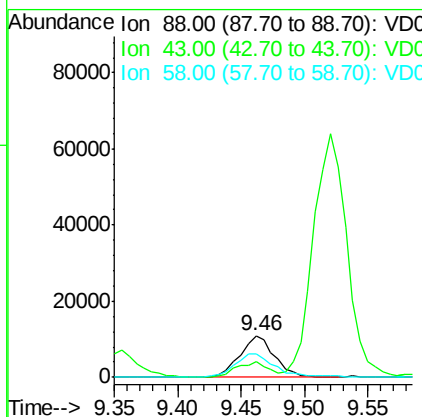
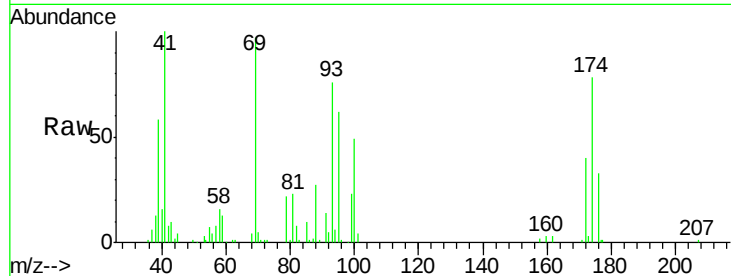
#49
1,4-Dioxane
Concen: 1032.018 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD067225.D
Acq: 12 Oct 2020 10:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	21009
Ion Ratio	Lower	Upper	
88	100		
43	33.9	25.6	38.4
58	65.8	53.5	80.3

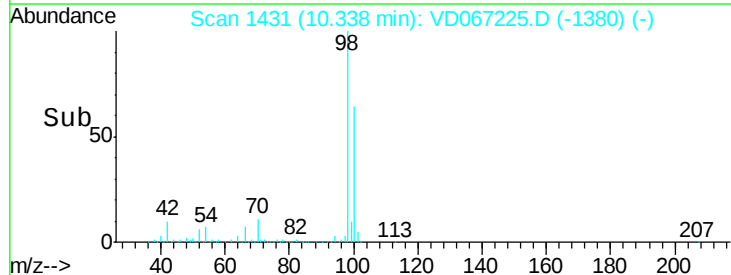
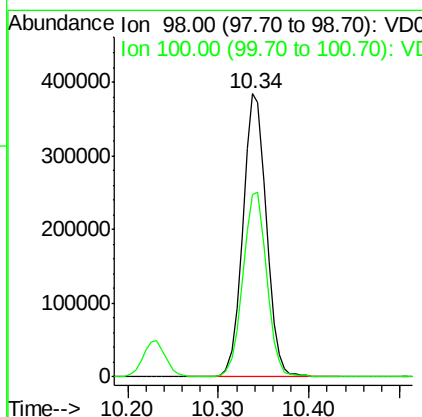
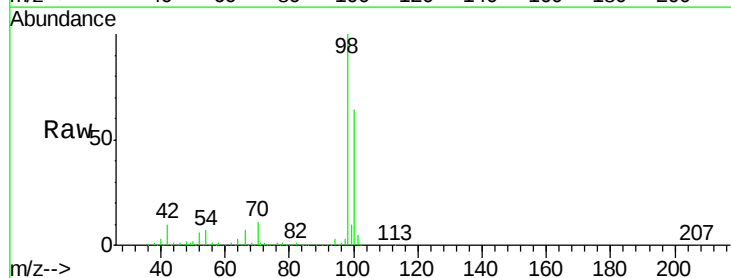
Manual Integrations
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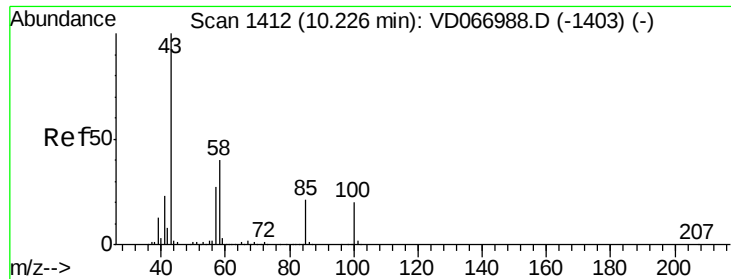
MMDadoda
10/13/2020 1:52:15 PM



#50
Toluene-d8
Concen: 51.679 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD067225.D
Acq: 12 Oct 2020 10:58

Tgt Ion	98	Resp	687786
Ion Ratio	Lower	Upper	
98	100		
100	66.1	52.8	79.2





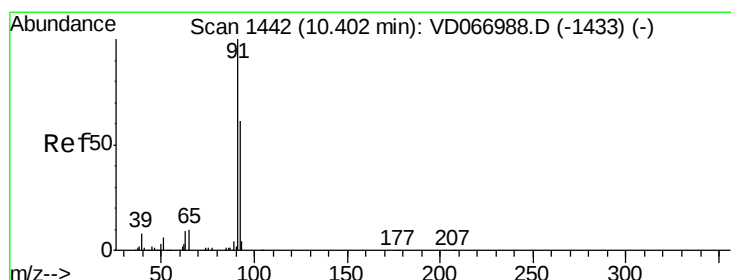
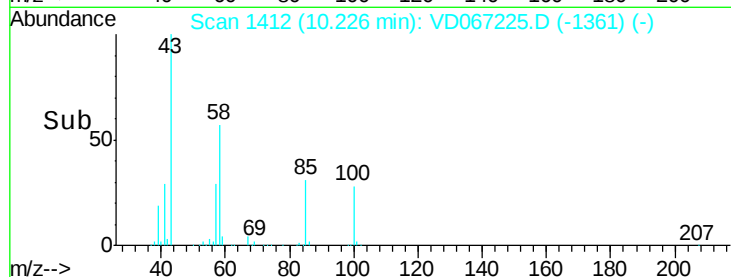
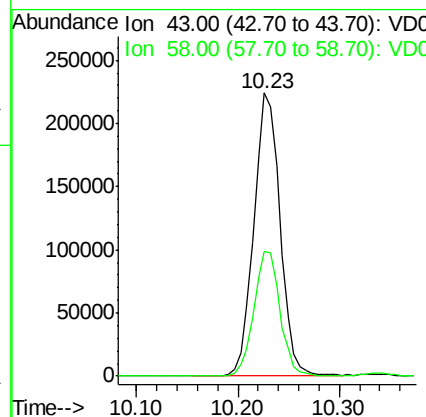
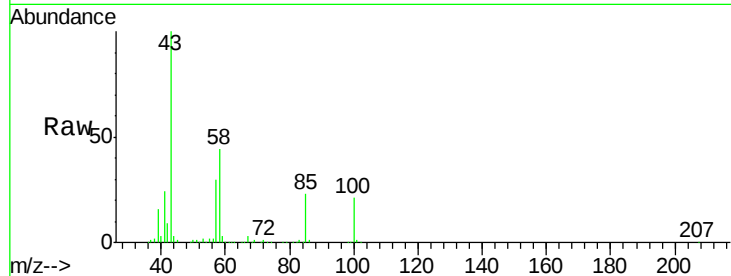
#51
 4-Methyl-2-Pentanone
 Concen: 244.526 ug/l
 RT: 10.23 min Scan# 1412
 Delta R.T. 0.00 min
 Lab File: VD067225.D
 Acq: 12 Oct 2020 10:58

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

Tot Ion: 43 Resp: 404207
 Ion Ratio Lower Upper
 43 100
 58 44.0 33.8 50.8

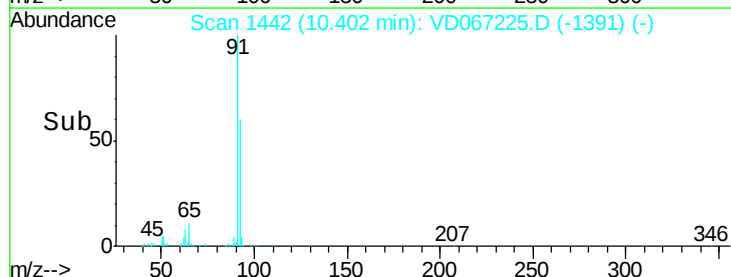
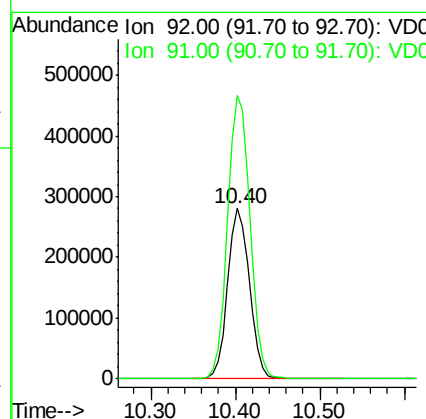
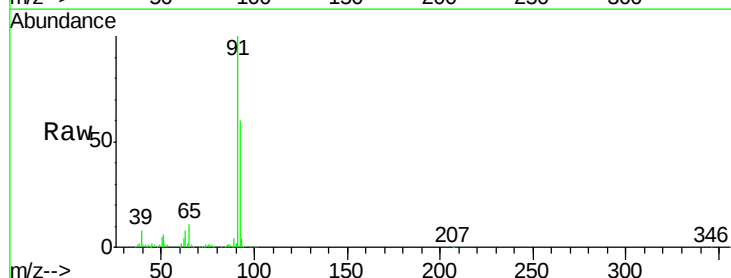
Manual Integrations
 APPROVED

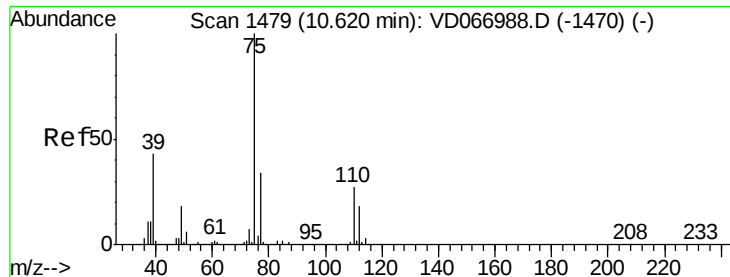
MMDadoda
 10/13/2020 1:52:15 PM



#52
 Toluene
 Concen: 53.936 ug/l
 RT: 10.40 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VD067225.D
 Acq: 12 Oct 2020 10:58

Tgt Ion: 92 Resp: 501831
 Ion Ratio Lower Upper
 92 100
 91 170.6 135.1 202.7





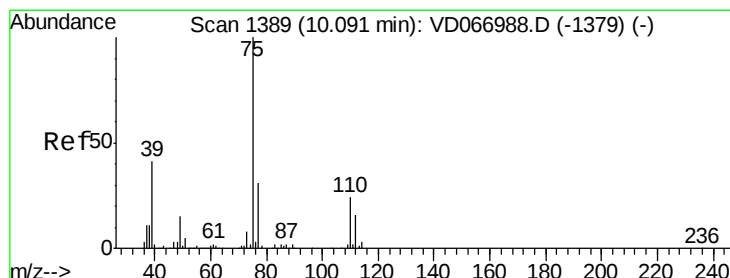
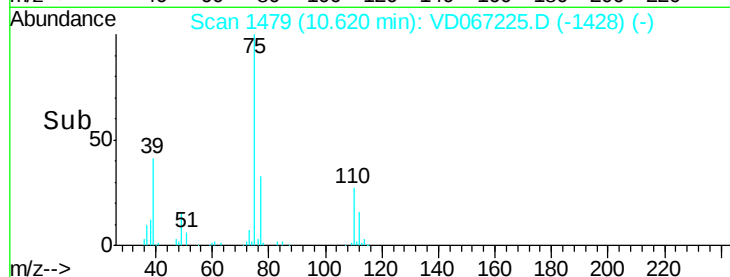
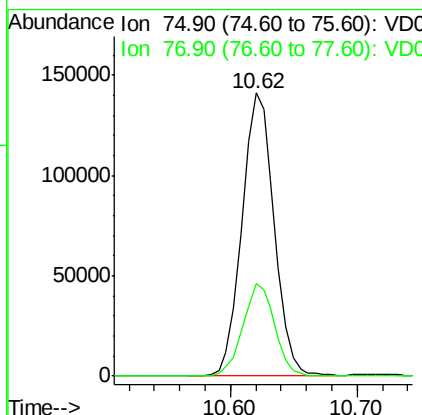
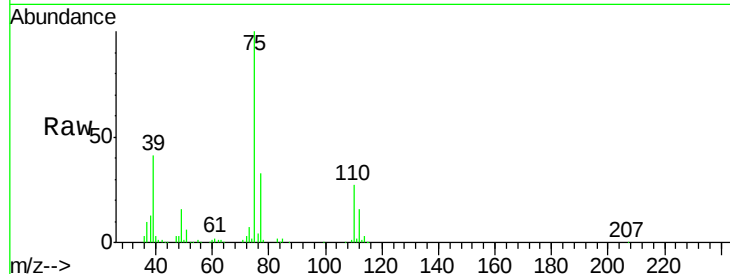
#53
t-1,3-Dichloropropene
Concen: 54.844 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. 0.00 min
Lab File: VD067225.D
Acq: 12 Oct 2020 10:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 248524
Ion Ratio Lower Upper
75 100
77 32.8 27.1 40.7

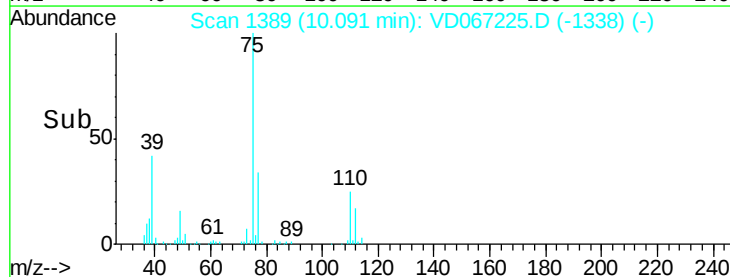
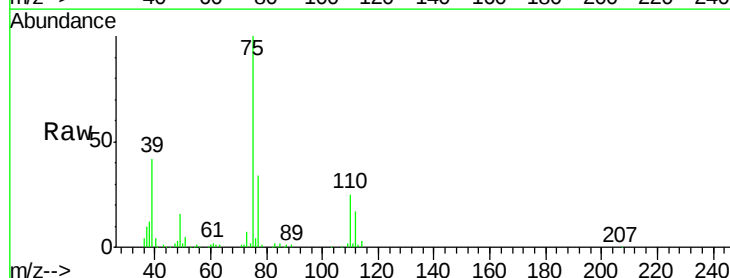
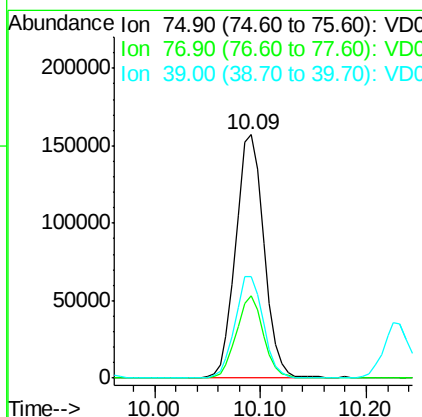
Manual Integrations
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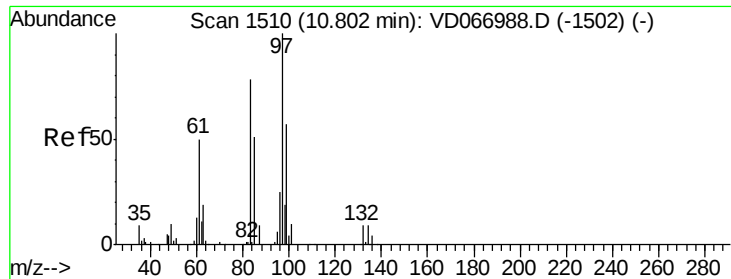
MMDadoda
10/13/2020 1:52:15 PM



#54
cis-1,3-Dichloropropene
Concen: 52.679 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD067225.D
Acq: 12 Oct 2020 10:58

Tgt Ion: 75 Resp: 291497
Ion Ratio Lower Upper
75 100
77 33.6 24.6 37.0
39 41.8 33.0 49.4





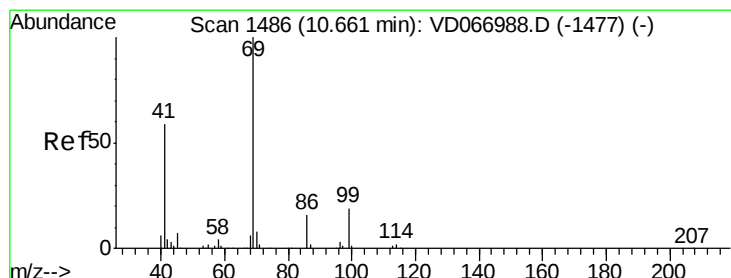
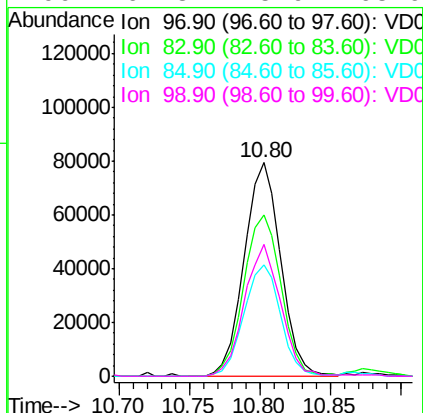
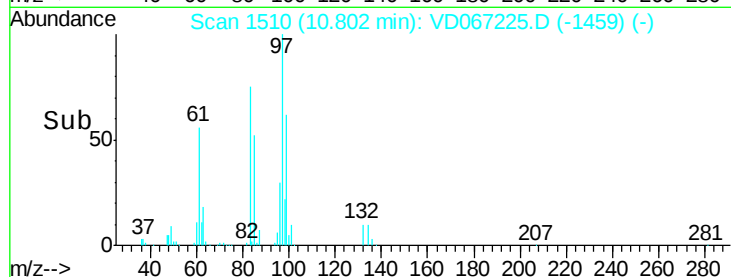
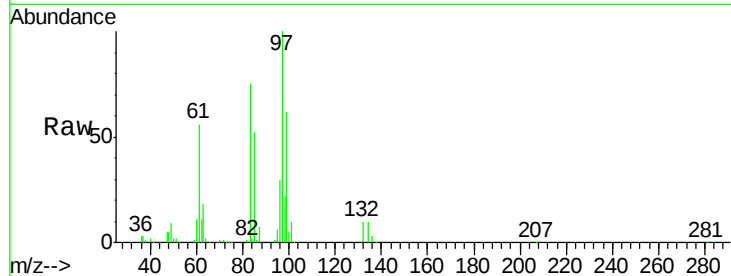
#55
 1,1,2-Trichloroethane
 Concen: 53.184 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD067225.D
 Acq: 12 Oct 2020 10:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		144224		
83	75.4	62.4	93.6		
85	52.3	41.0	61.4		
99	61.8	45.9	68.9		

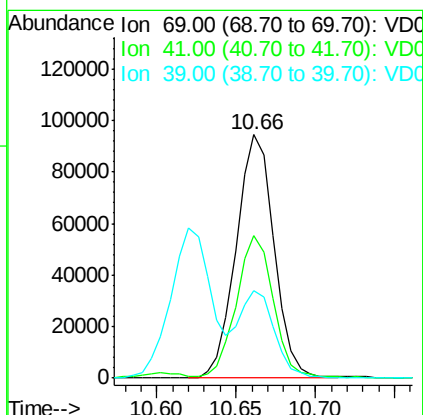
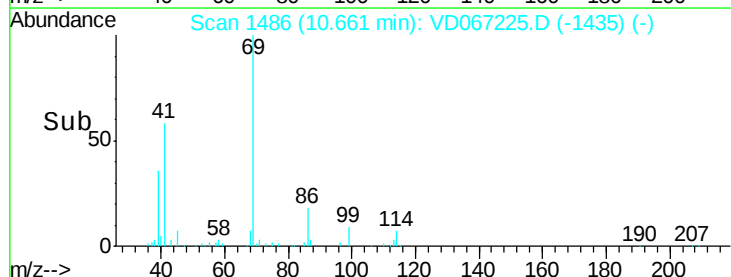
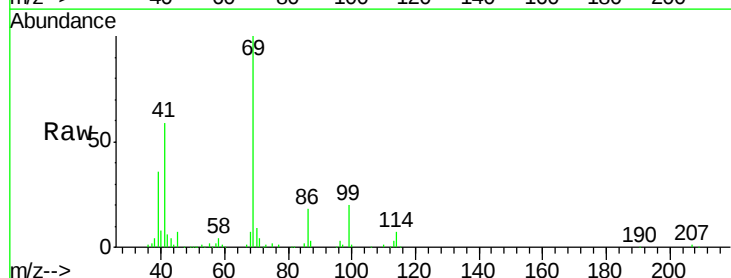
Manual Integrations
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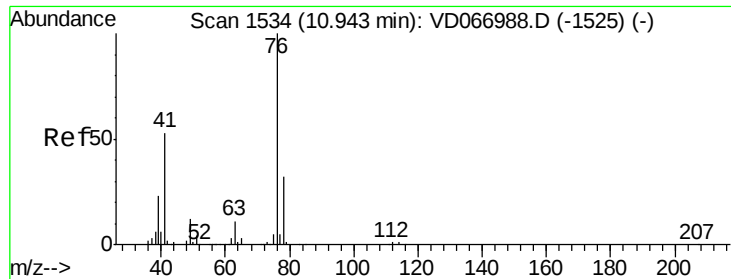
MMDadoda
 10/13/2020 1:52:15 PM



#56
 Ethyl methacrylate
 Concen: 56.019 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD067225.D
 Acq: 12 Oct 2020 10:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		156840		
41	57.6	46.4	69.6		
39	34.1	23.8	35.6		





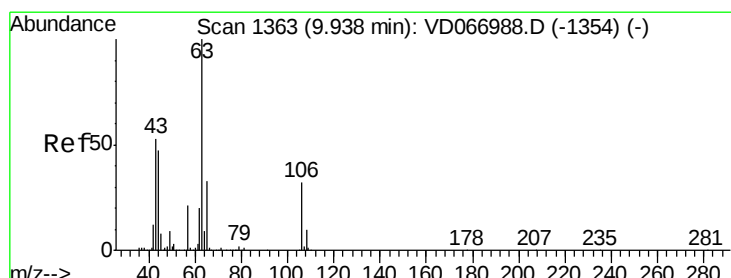
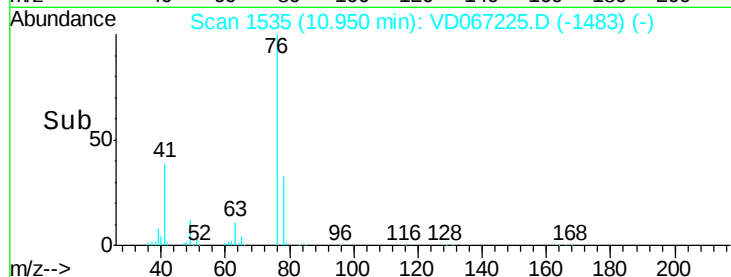
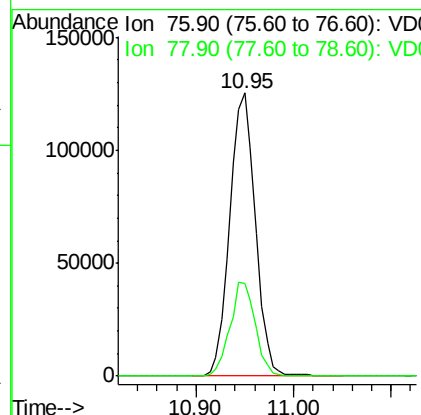
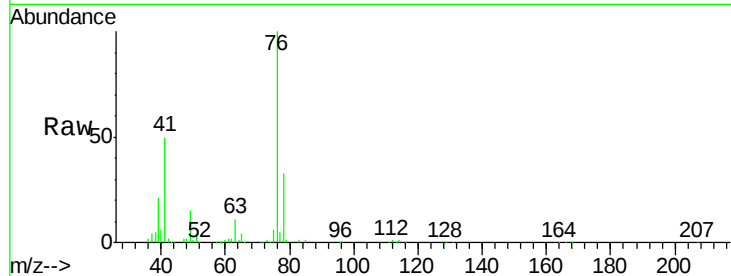
#57
 1,3-Dichloropropane
 Concen: 51.843 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.01 min
 Lab File: VD067225.D
 Acq: 12 Oct 2020 10:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.8	25.8	38.8

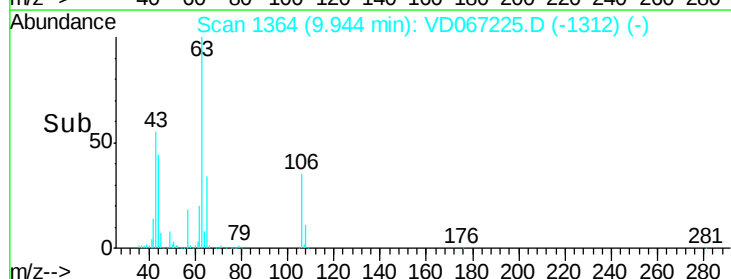
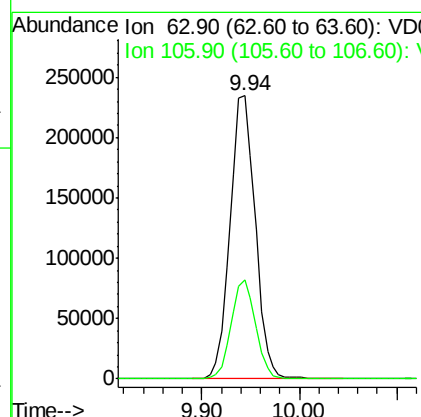
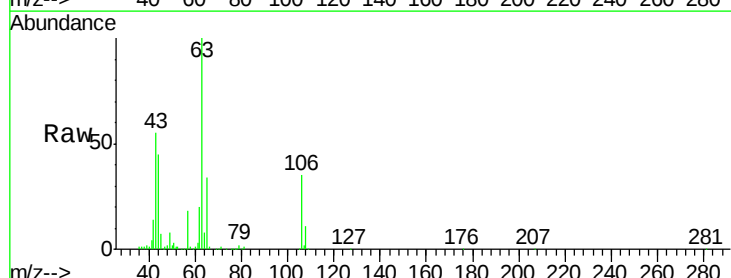
Manual Integrations
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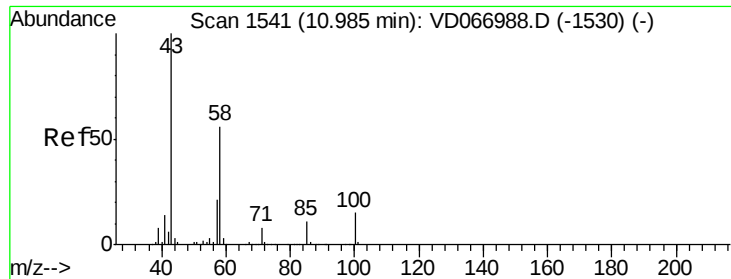
MMDadoda
 10/13/2020 1:52:15 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 270.715 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.01 min
 Lab File: VD067225.D
 Acq: 12 Oct 2020 10:58

Tgt Ion	Ratio	Lower	Upper
63	100		
106	33.8	25.3	37.9





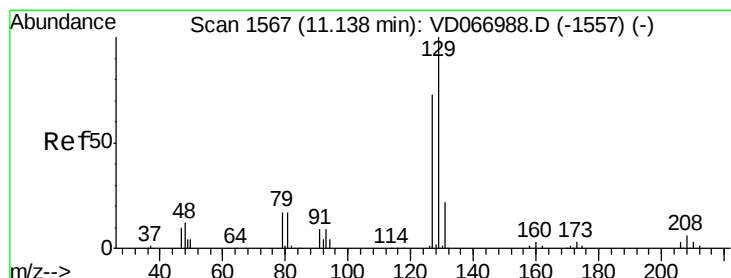
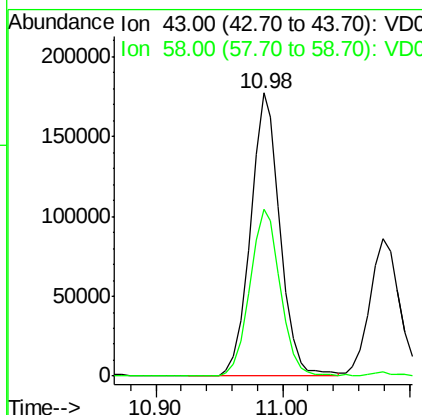
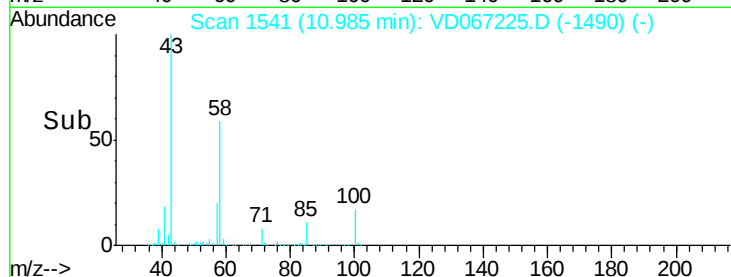
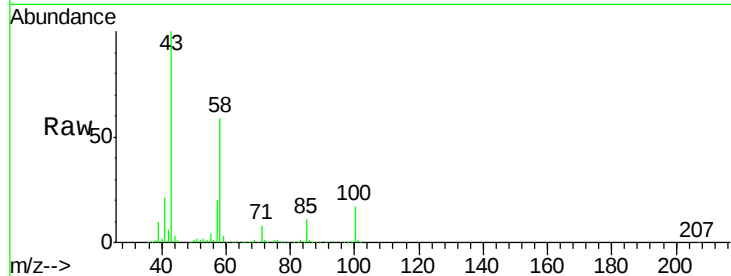
#59
2-Hexanone
Concen: 260.957 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD067225.D
Acq: 12 Oct 2020 10:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	287912
Ion Ratio	100	Lower	Upper
43	100		
58	60.7	28.3	84.9

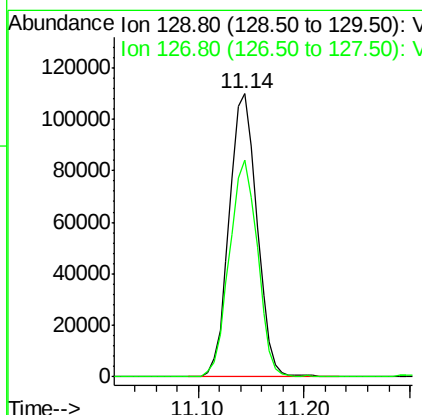
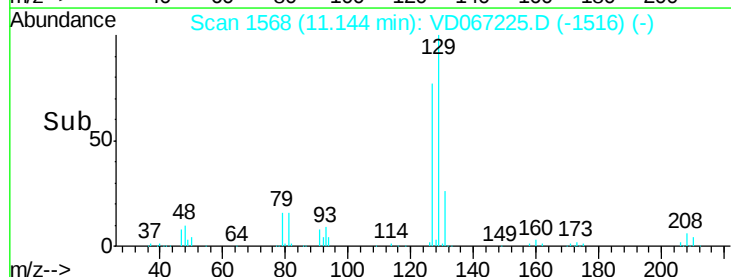
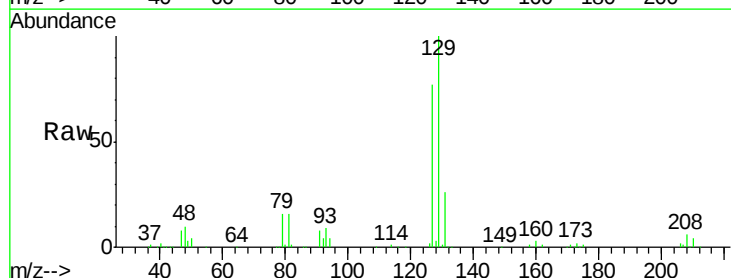
Manual Integrations
APPROVED

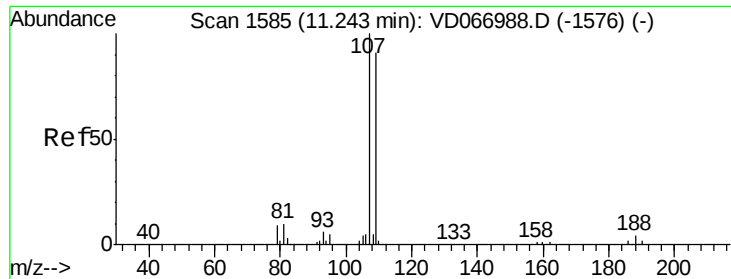
MMDadoda
10/13/2020 1:52:15 PM



#60
Dibromochloromethane
Concen: 55.311 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VD067225.D
Acq: 12 Oct 2020 10:58

Tgt Ion	129	Resp	199916
Ion Ratio	100	Lower	Upper
129	100		
127	77.4	37.4	112.1





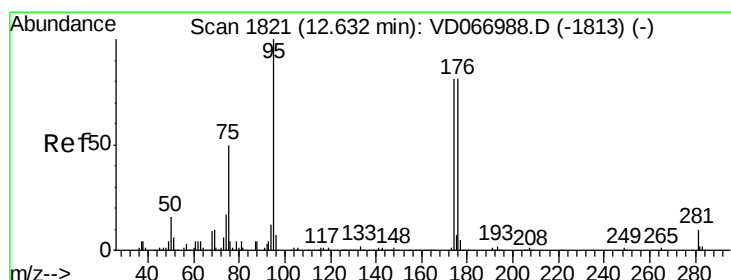
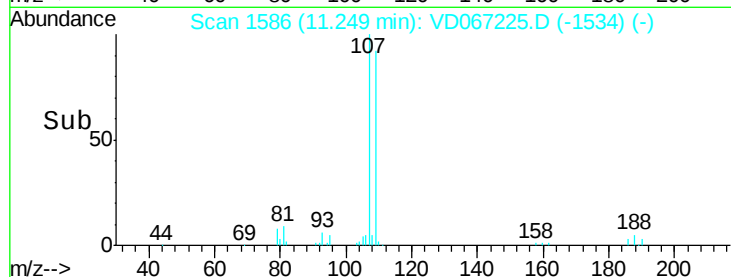
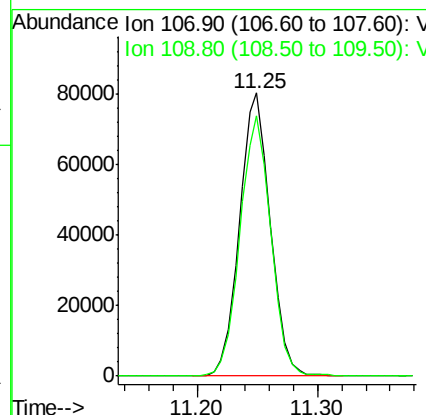
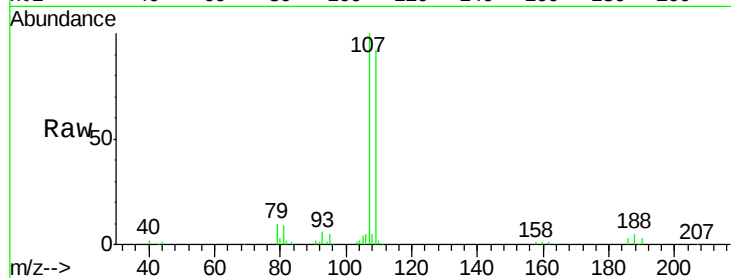
#61
 1,2-Dibromoethane
 Concen: 54.543 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: VD067225.D
 Acq: 12 Oct 2020 10:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.8	74.0	111.0

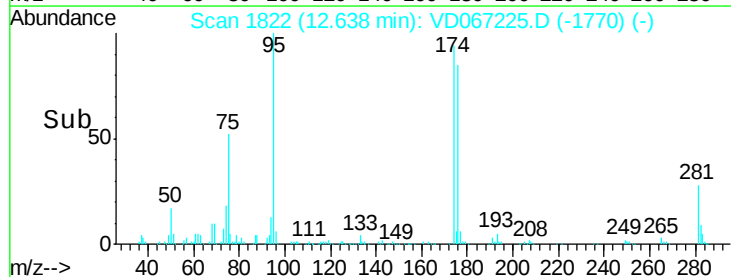
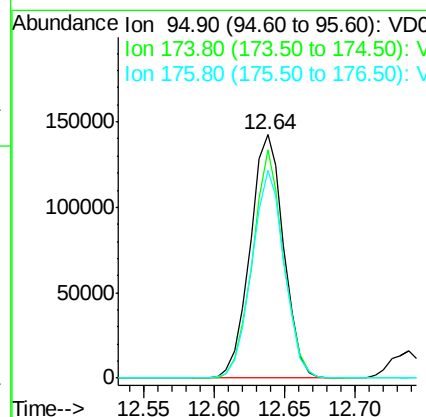
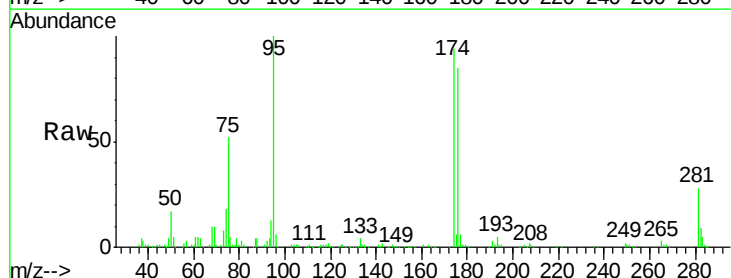
Manual Integrations
 APPROVED

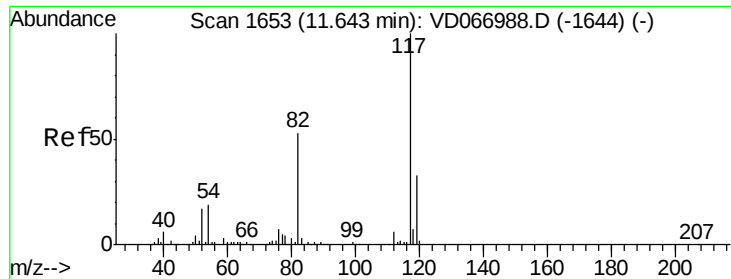
MMDadoda
 10/13/2020 1:52:15 PM



#62
 4-Bromofluorobenzene
 Concen: 52.545 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.01 min
 Lab File: VD067225.D
 Acq: 12 Oct 2020 10:58

Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.9	0.0	167.6
176	83.1	0.0	162.4





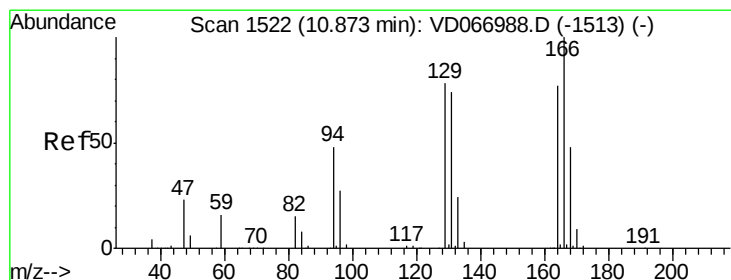
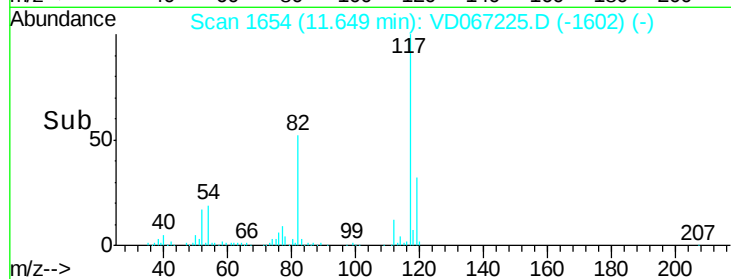
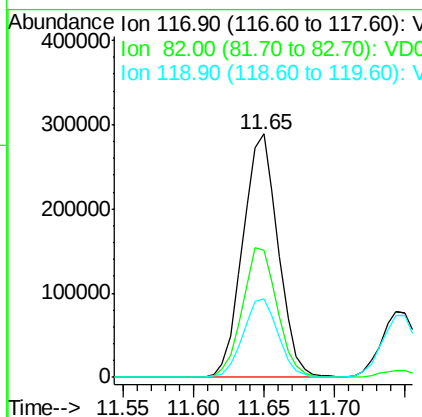
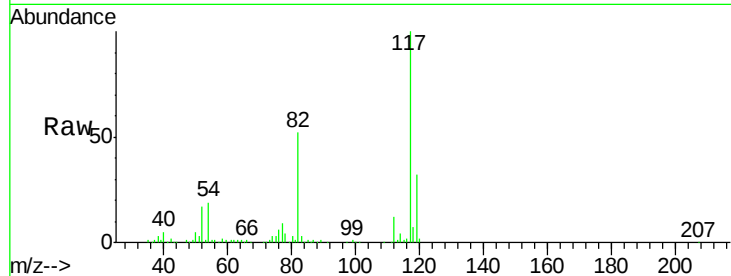
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD067225.D
Acq: 12 Oct 2020 10:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	506501		
82	52.4		42.6	63.8
119	32.4		26.3	39.5

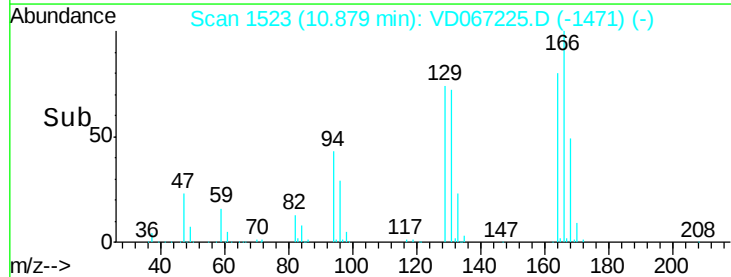
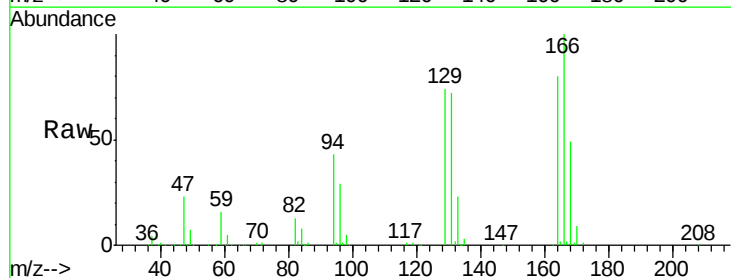
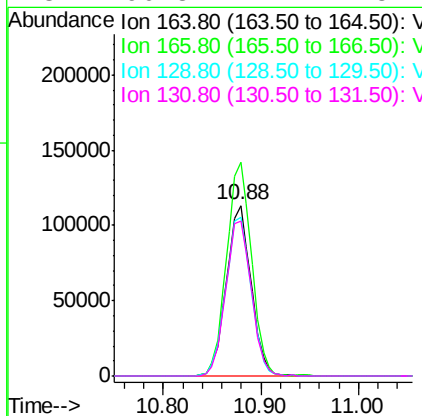
Manual Integrations
APPROVED

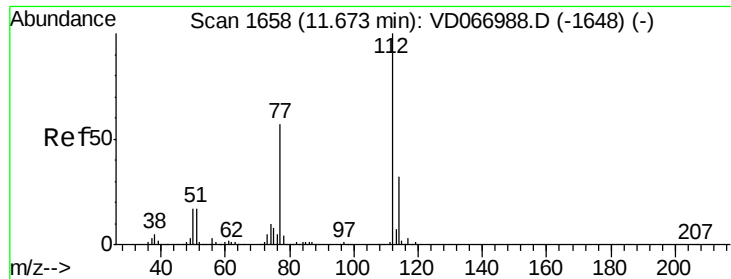
MMDadoda
10/13/2020 1:52:15 PM



#64
Tetrachloroethene
Concen: 54.229 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.01 min
Lab File: VD067225.D
Acq: 12 Oct 2020 10:58

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	199686		
166	125.4		104.4	156.6
129	92.9		81.3	121.9
131	90.8		77.1	115.7





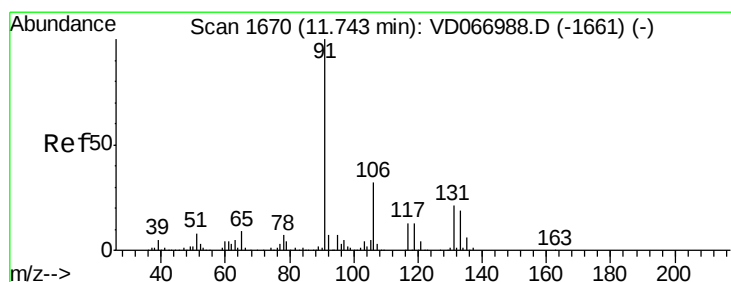
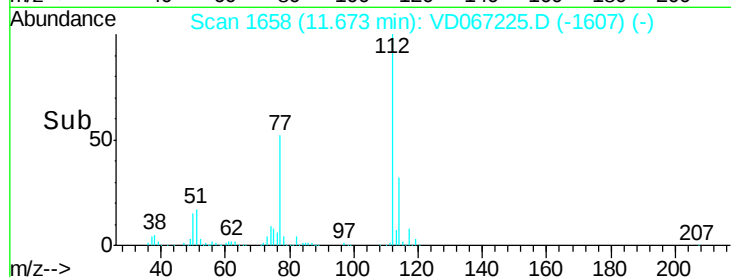
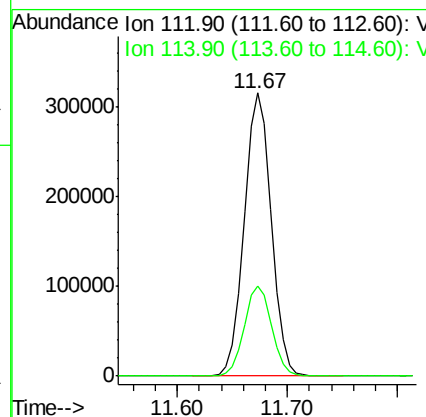
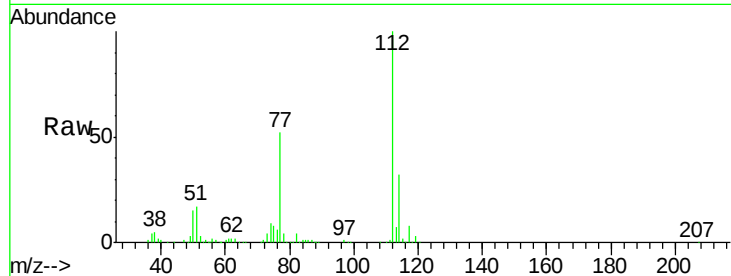
#65
Chlorobenzene
Concen: 53.945 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067225.D
Acq: 12 Oct 2020 10:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.6	25.4	38.0

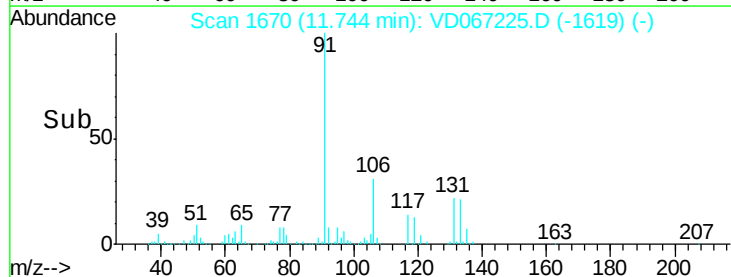
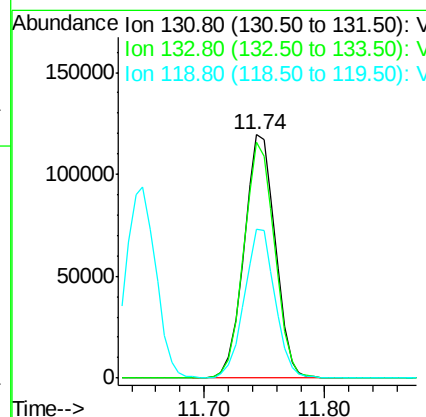
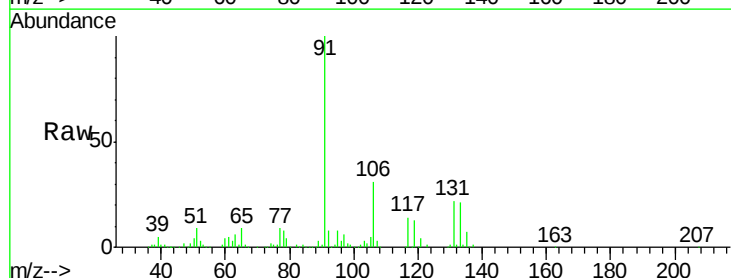
Manual Integrations
APPROVED

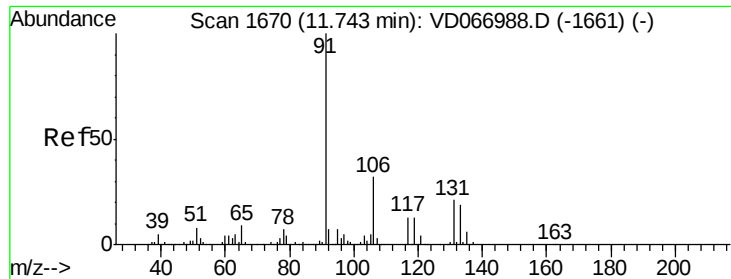
MMDadoda
10/13/2020 1:52:15 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 56.202 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD067225.D
Acq: 12 Oct 2020 10:58

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.8	47.8	143.3
119	60.4	32.3	96.8





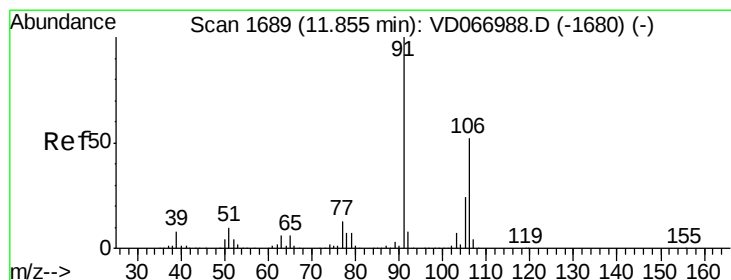
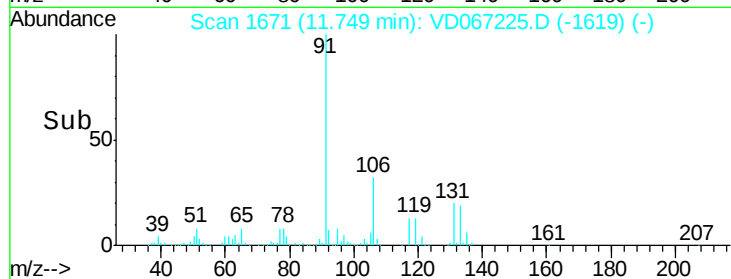
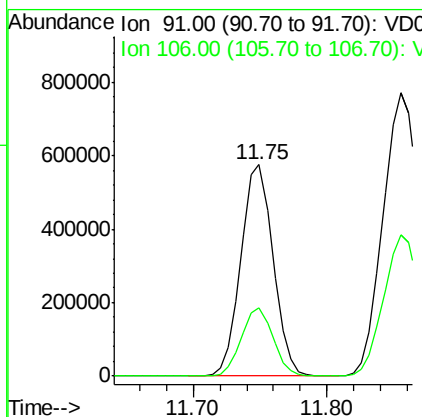
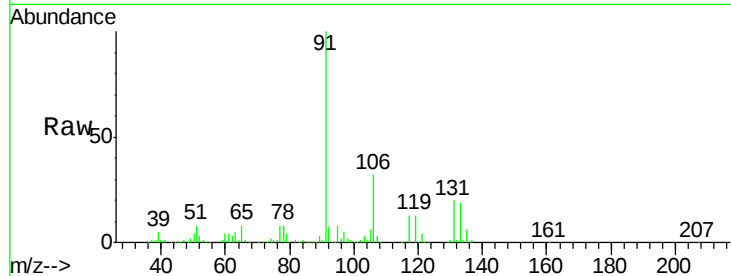
#67
Ethyl Benzene
Concen: 55.789 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD067225.D
Acq: 12 Oct 2020 10:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 962936
Ion Ratio Lower Upper
91 100
106 32.4 25.4 38.2

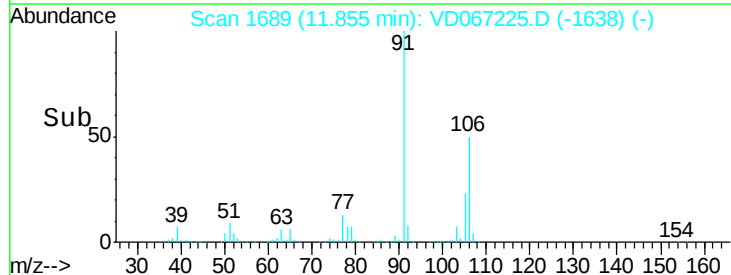
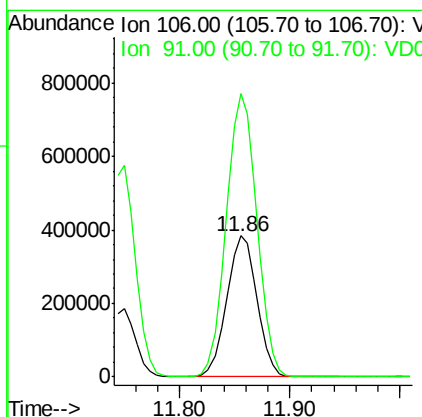
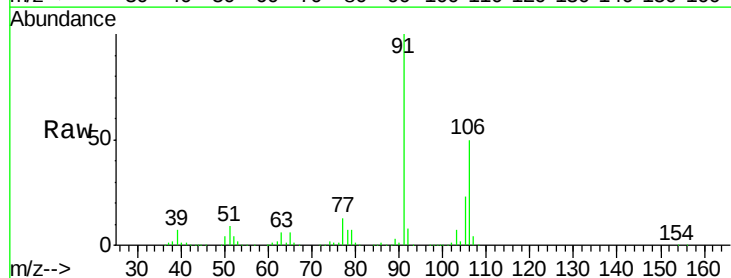
Manual Integrations
APPROVED

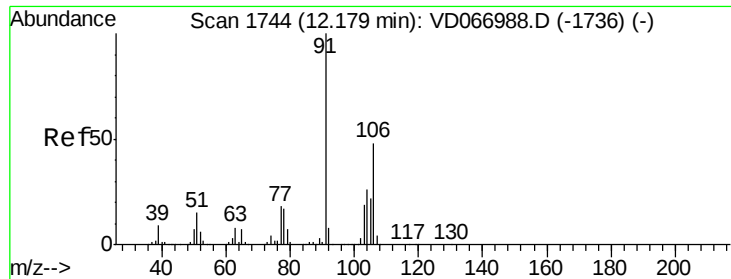
MMDadoda
10/13/2020 1:52:15 PM



#68
m/p-Xylenes
Concen: 109.162 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD067225.D
Acq: 12 Oct 2020 10:58

Tgt Ion: 106 Resp: 734282
Ion Ratio Lower Upper
106 100
91 203.8 158.4 237.6





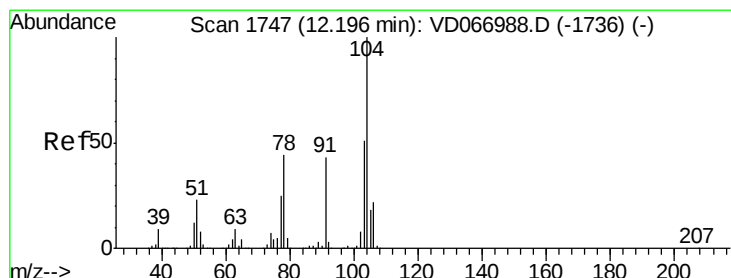
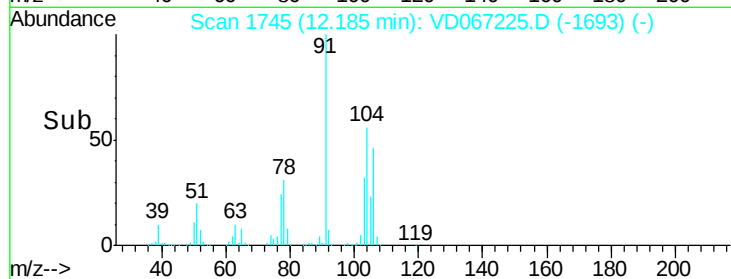
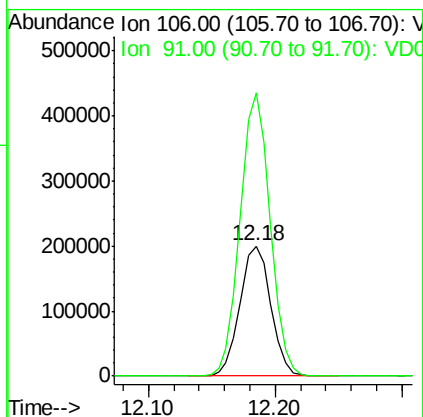
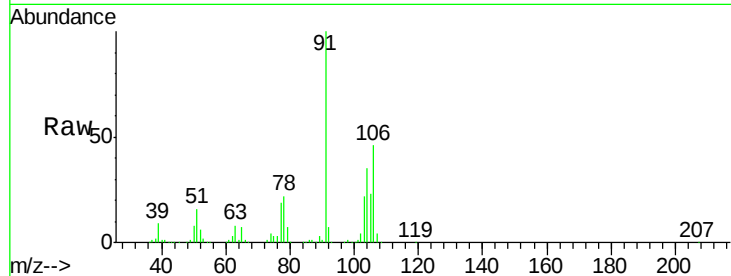
#69
o-Xylene
Concen: 56.273 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD067225.D
Acq: 12 Oct 2020 10:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	211.2	102.4	338494	307.2	

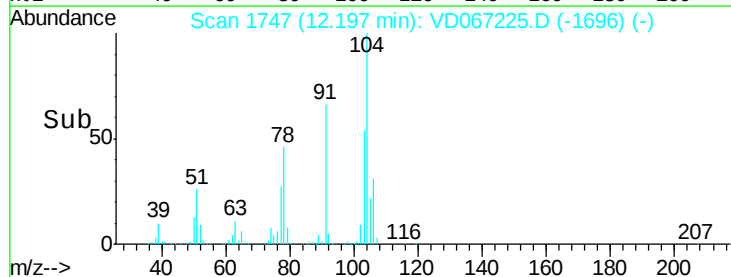
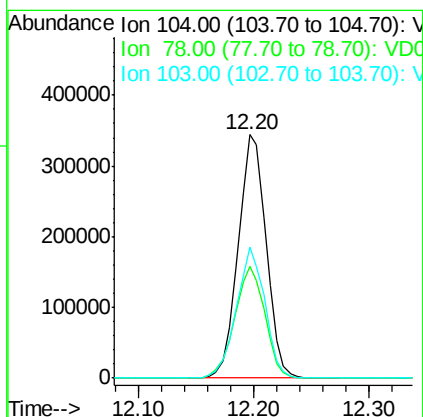
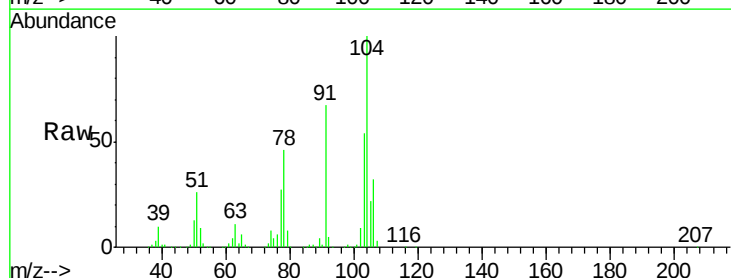
Manual Integrations
APPROVED

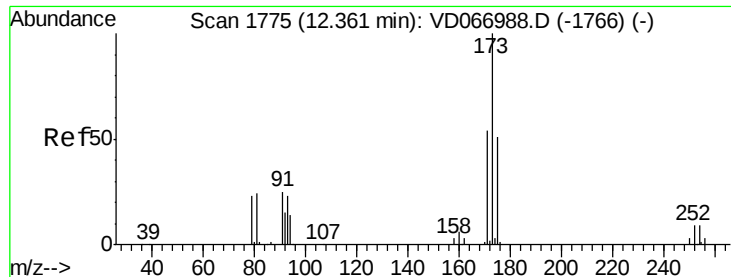
MMDadoda
10/13/2020 1:52:15 PM



#70
Styrene
Concen: 55.839 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD067225.D
Acq: 12 Oct 2020 10:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	49.7	38.6	576763	58.0	
103	54.9	43.4		65.0	





#71

Bromoform

Concen: 56.283 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD067225.D

Acq: 12 Oct 2020 10:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 111950

Ion Ratio Lower Upper

173 100

175 49.9 24.9 74.7

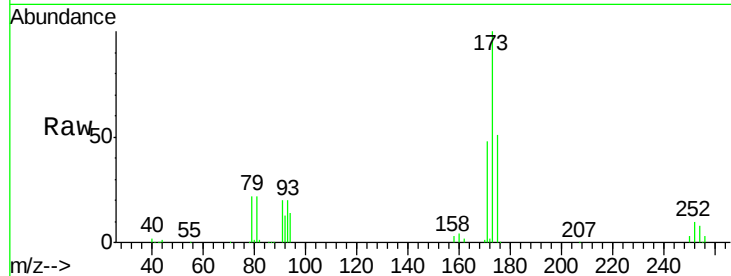
254 0.1 0.2 0.4#

Manual Integrations

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MMDadoda

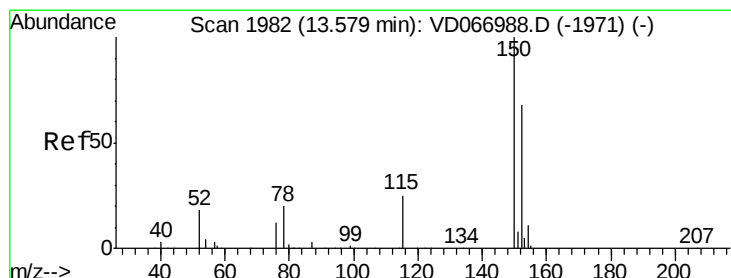
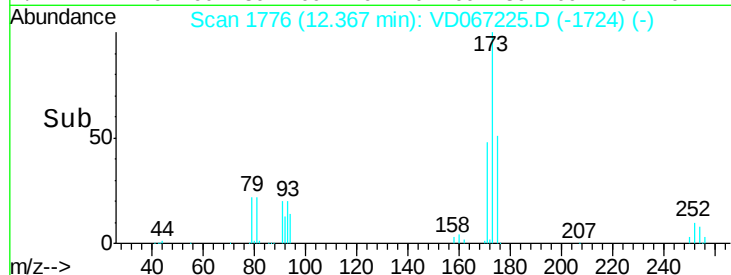
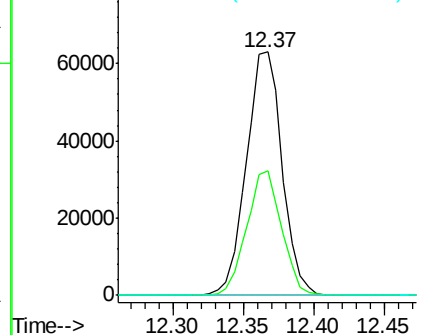
10/13/2020 1:52:15 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD067225.D

Acq: 12 Oct 2020 10:58

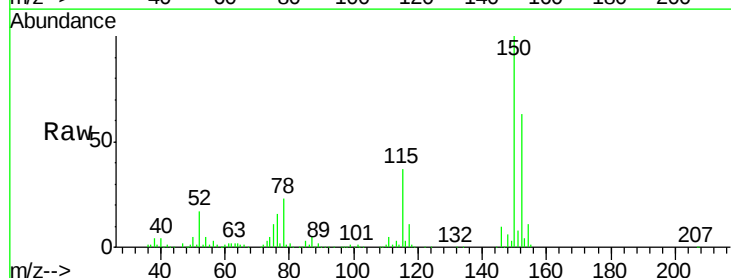
Tgt Ion:152 Resp: 246519

Ion Ratio Lower Upper

152 100

115 59.7 29.6 88.8

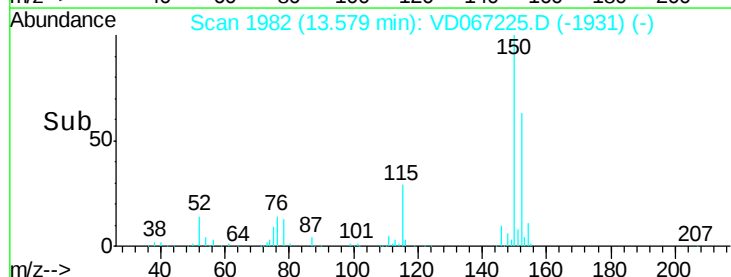
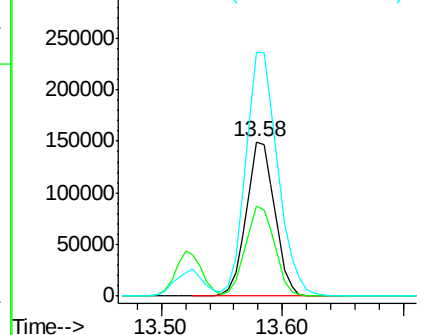
150 177.1 0.0 344.8

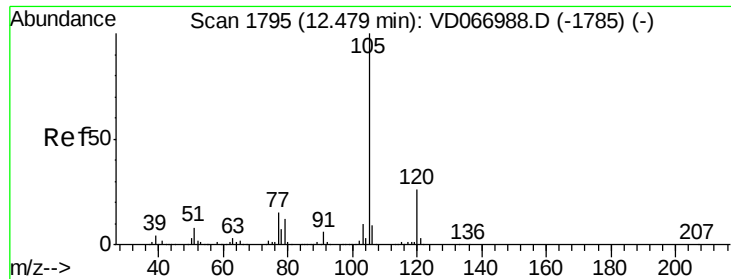


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





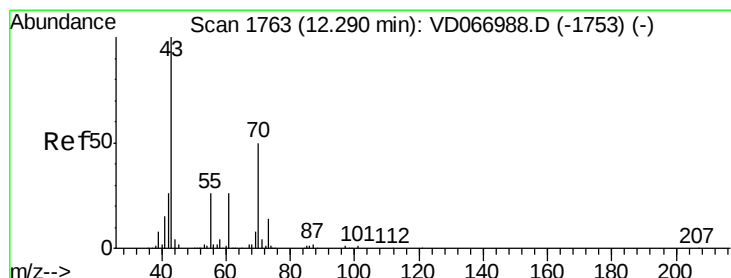
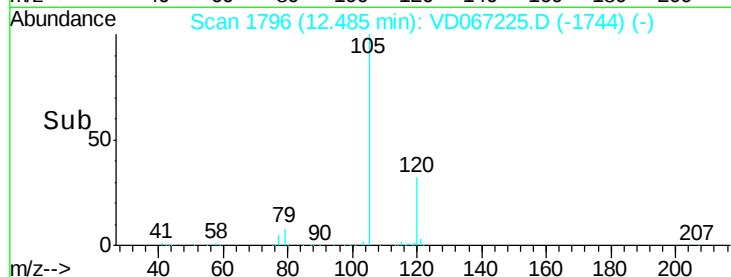
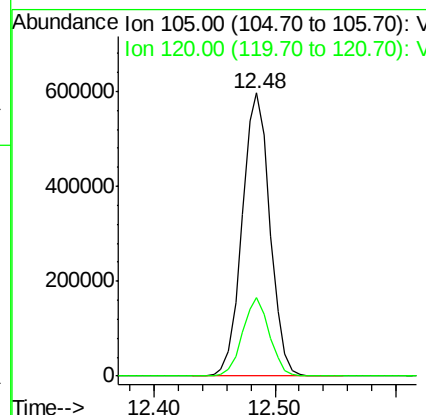
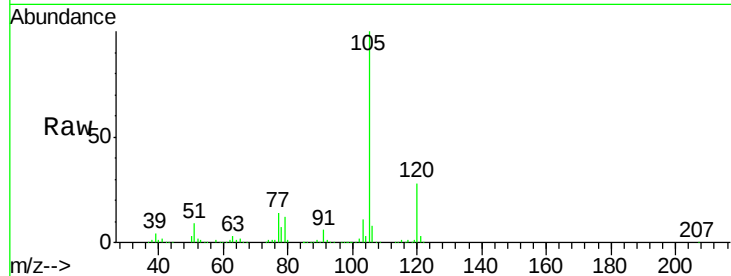
#73
Isopropylbenzene
Concen: 57.047 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.01 min
Lab File: VD067225.D
Acq: 12 Oct 2020 10:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.3	39.9

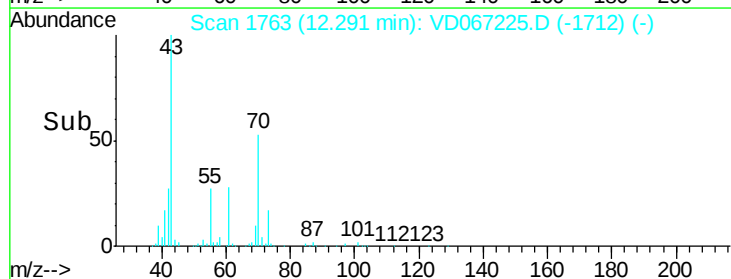
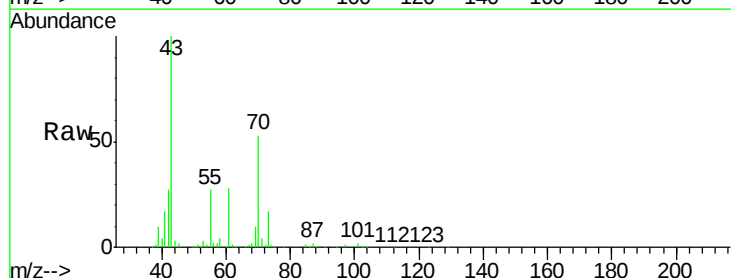
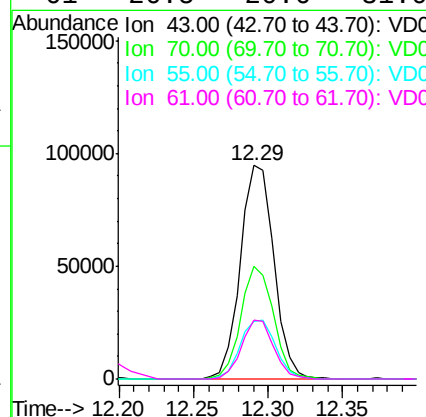
Manual Integrations
APPROVED

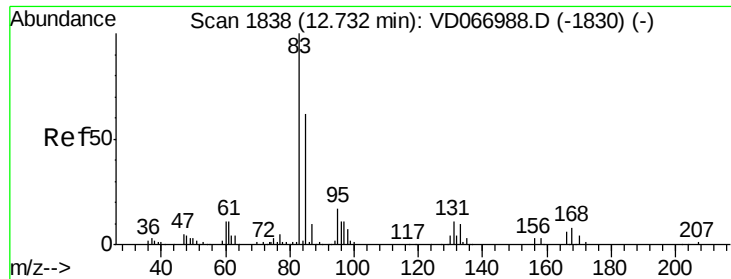
MMDadoda
10/13/2020 1:52:15 PM



#74
N-ethyl acetate
Concen: 49.192 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. 0.00 min
Lab File: VD067225.D
Acq: 12 Oct 2020 10:58

Tgt Ion	Ratio	Lower	Upper
43	100		
70	51.5	38.2	57.2
55	29.0	22.4	33.6
61	26.5	20.6	31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 49.781 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.01 min

Lab File: VD067225.D

Acq: 12 Oct 2020 10:58

Instrument :

MSVOA_D

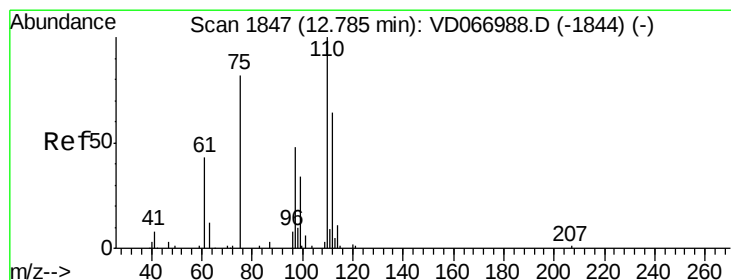
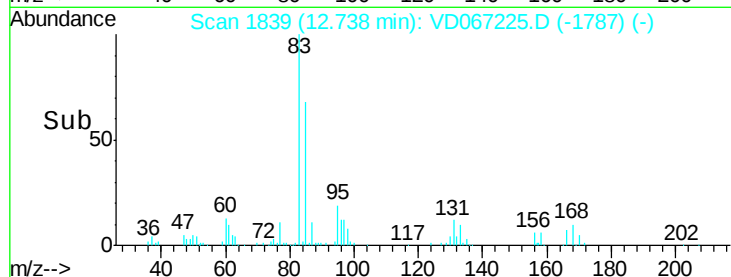
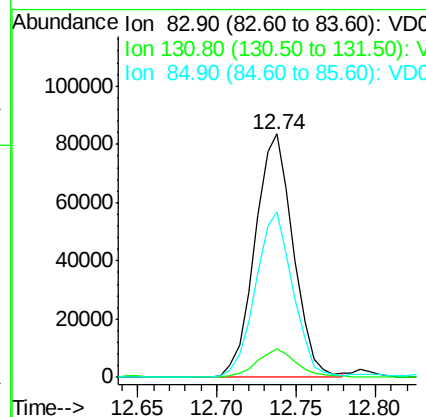
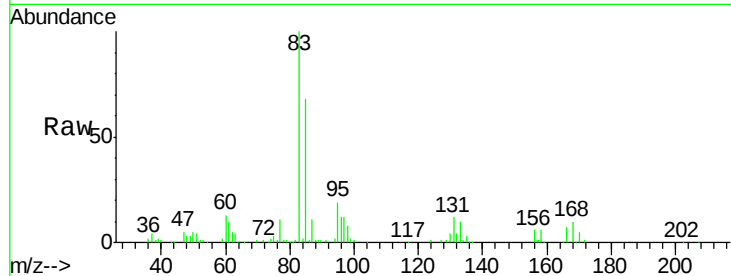
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	140395
Ion Ratio	Lower	Upper	
83	100		
131	12.2	5.7	17.0
85	66.4	32.0	96.2

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#76

1,2,3-Trichloropropane

Concen: 47.783 ug/l m

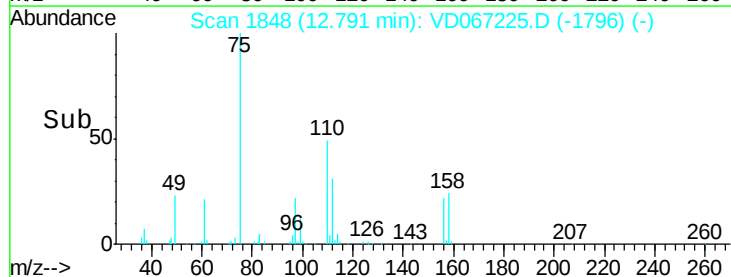
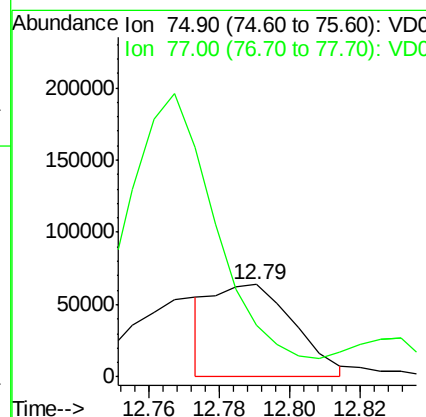
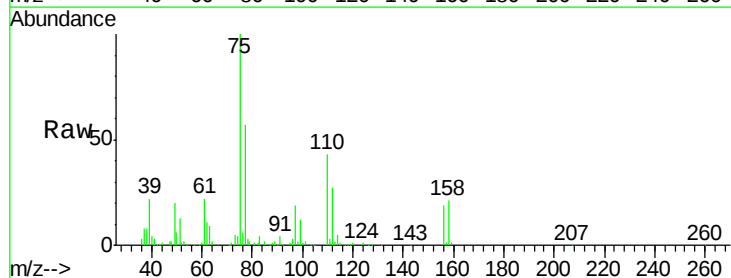
RT: 12.79 min Scan# 1848

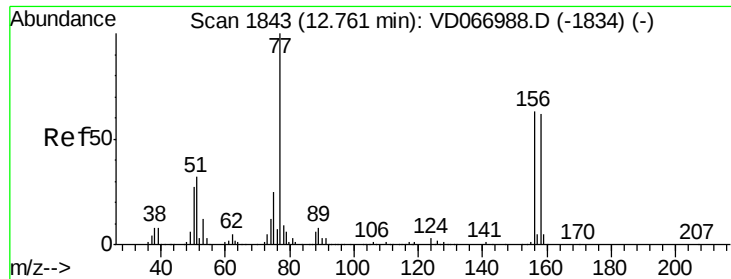
Delta R.T. 0.01 min

Lab File: VD067225.D

Acq: 12 Oct 2020 10:58

Tgt Ion:	75	Resp:	102603
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 55.513 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD067225.D

Acq: 12 Oct 2020 10:58

Instrument :

MSVOA_D

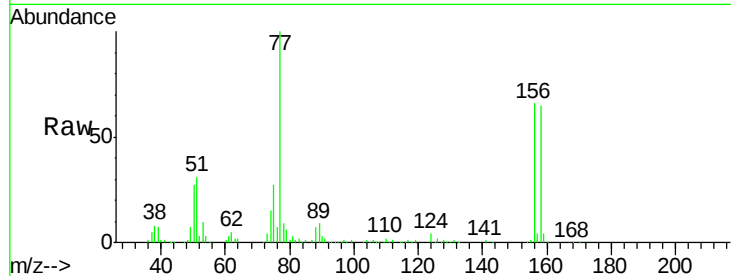
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	161.4	86.3	258.8
158	97.8	49.5	148.3

Manual Integrations
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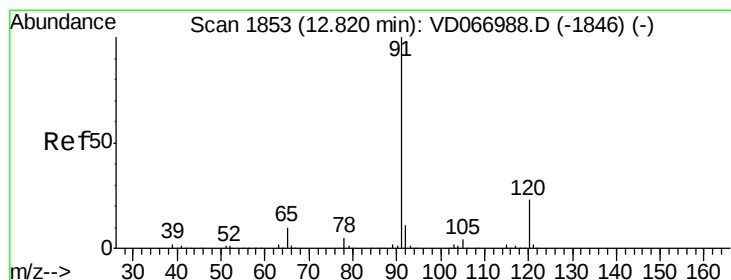
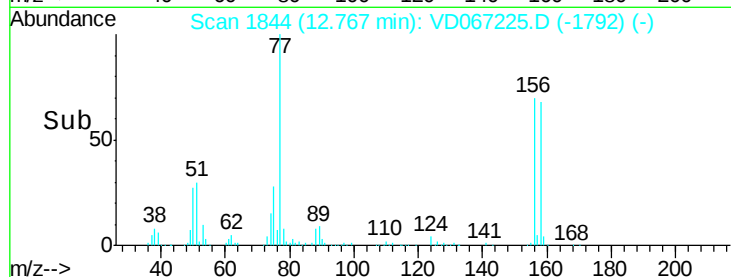
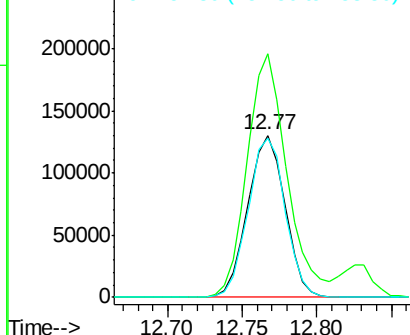


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 55.779 ug/l

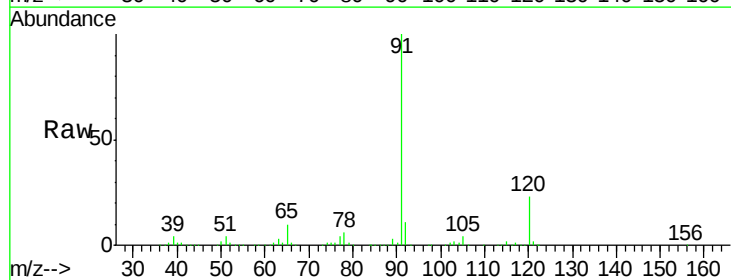
RT: 12.83 min Scan# 1854

Delta R.T. 0.01 min

Lab File: VD067225.D

Acq: 12 Oct 2020 10:58

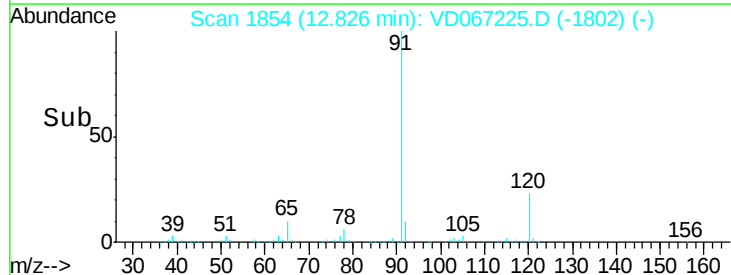
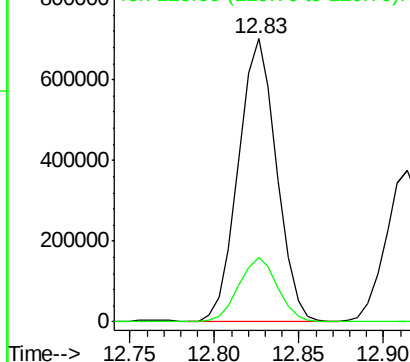
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.6	34.8

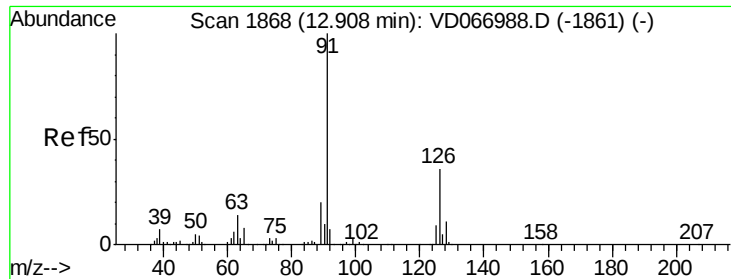


Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





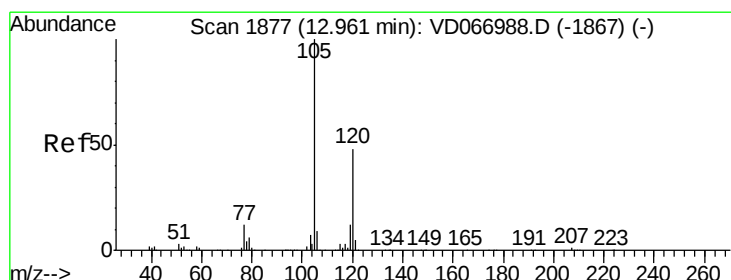
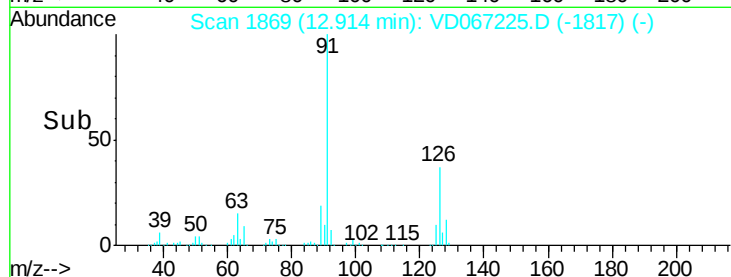
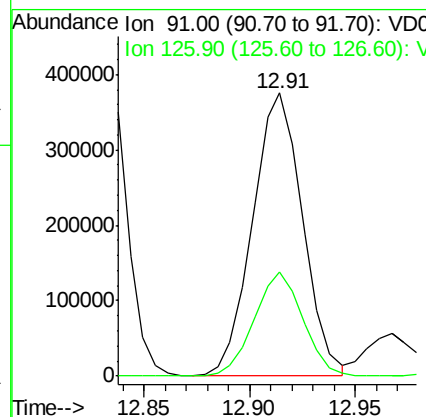
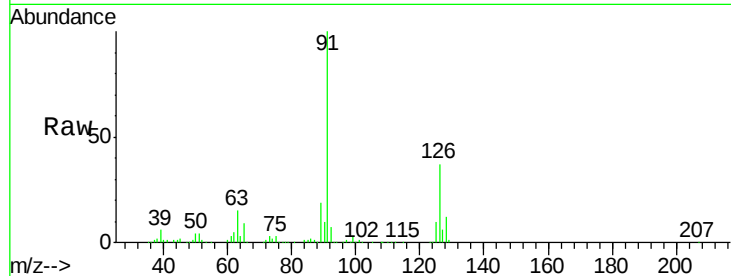
#79
 2-Chlorotoluene
 Concen: 54.518 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.01 min
 Lab File: VD067225.D
 Acq: 12 Oct 2020 10:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 617063
 Ion Ratio Lower Upper
 91 100
 126 35.9 17.5 52.6

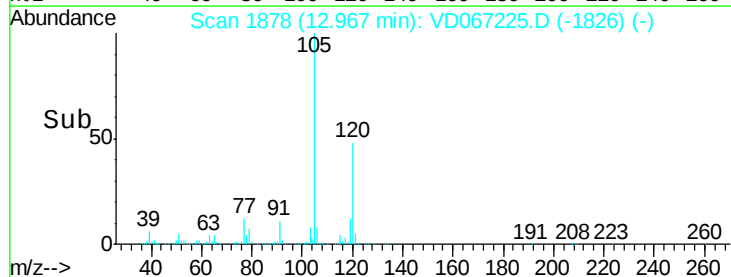
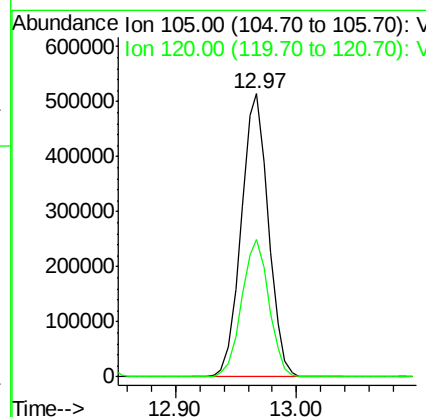
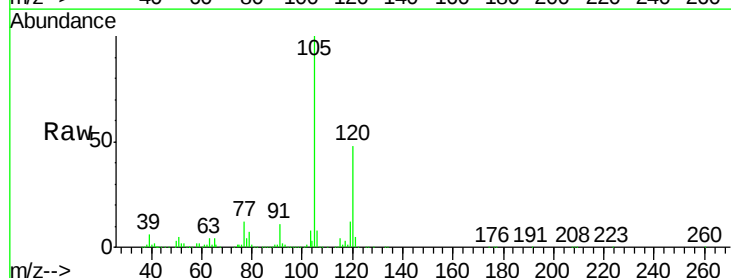
Manual Integrations
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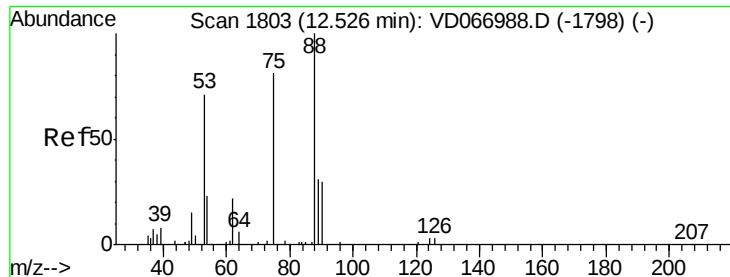
MMDadoda
 10/13/2020 1:52:15 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 56.896 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.01 min
 Lab File: VD067225.D
 Acq: 12 Oct 2020 10:58

Tgt Ion: 105 Resp: 804644
 Ion Ratio Lower Upper
 105 100
 120 48.9 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 52.775 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.01 min

Lab File: VD067225.D

Acq: 12 Oct 2020 10:58

Instrument :

MSVOA_D

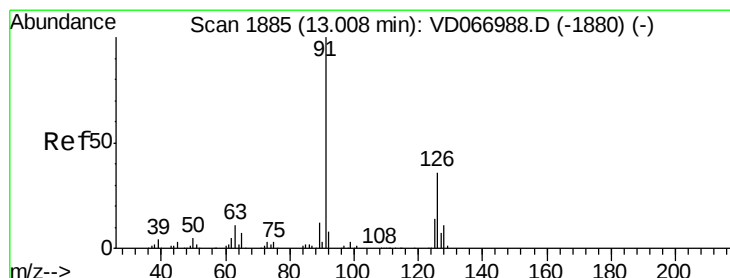
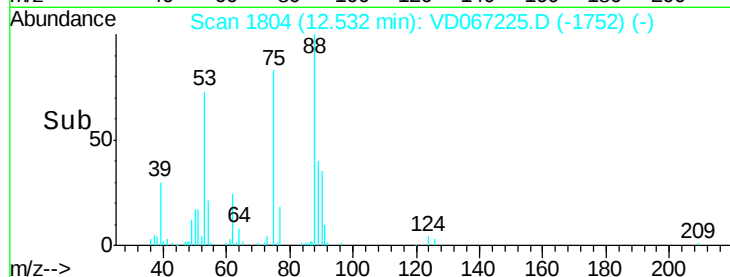
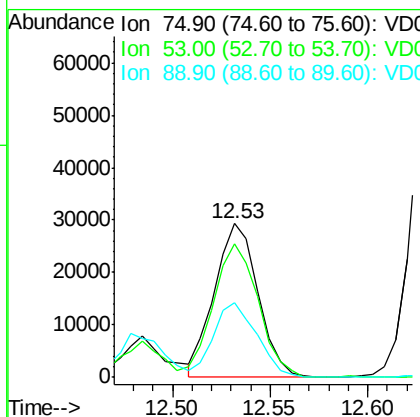
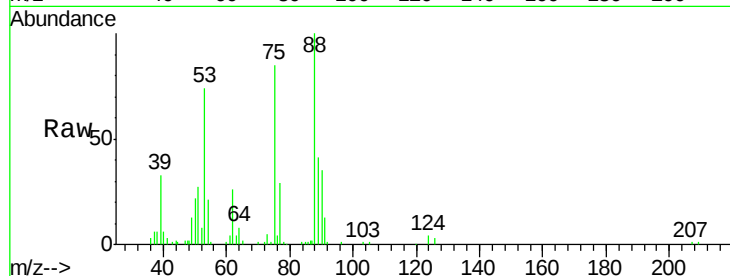
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	45454
Ion	Ratio	Lower	Upper
75	100		
53	90.3	73.8	110.6
89	48.4	38.9	58.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 54.507 ug/l

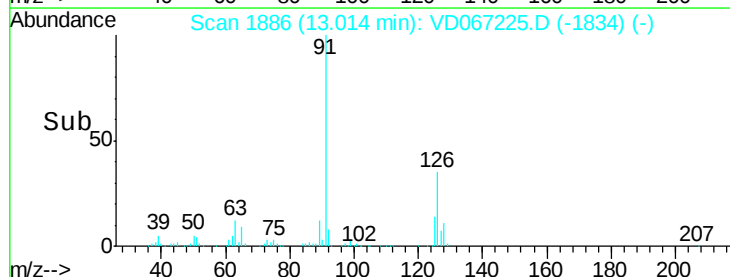
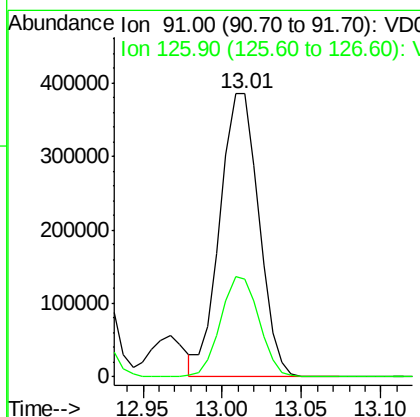
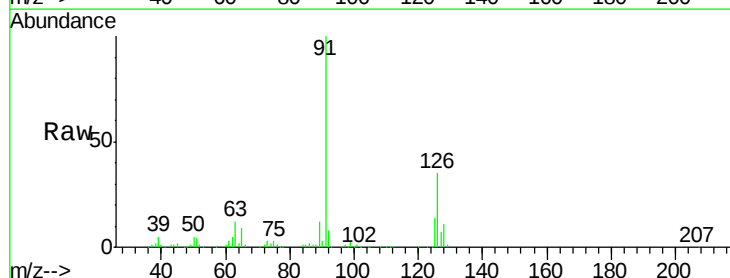
RT: 13.01 min Scan# 1886

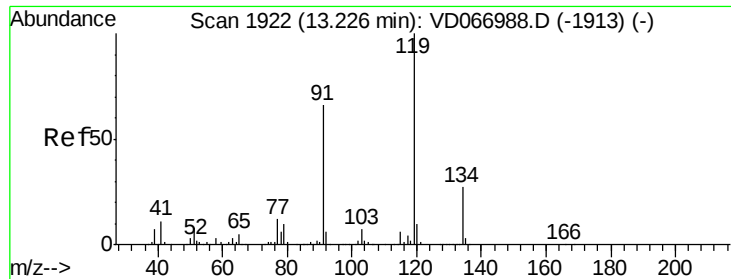
Delta R.T. 0.01 min

Lab File: VD067225.D

Acq: 12 Oct 2020 10:58

Tgt Ion:	91	Resp:	656391
Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.5	52.5





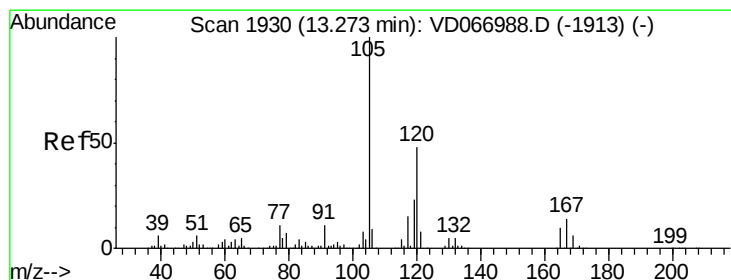
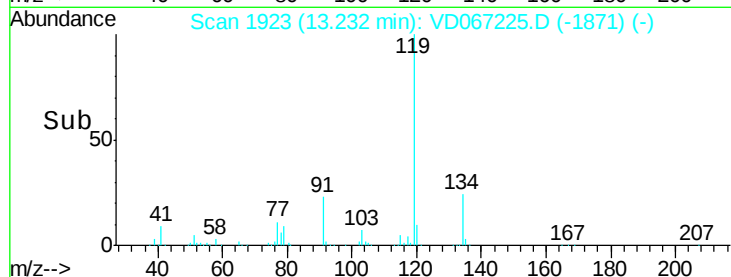
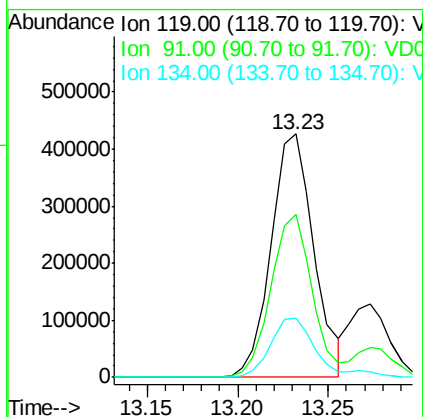
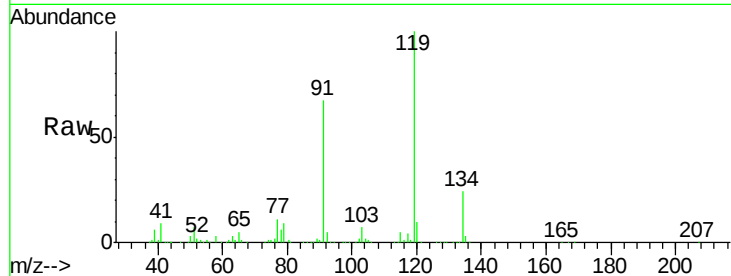
#83
tert-Butylbenzene
Concen: 59.104 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.01 min
Lab File: VD067225.D
Acq: 12 Oct 2020 10:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	703886		
91	64.2		32.8	98.3
134	26.5		13.9	41.7

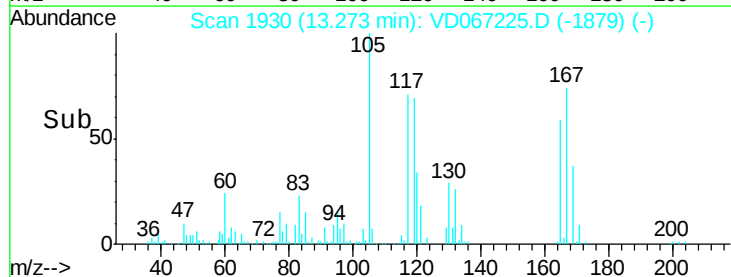
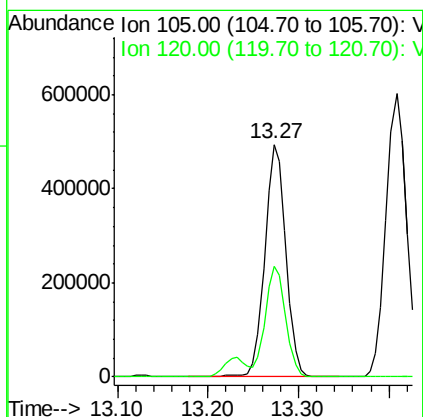
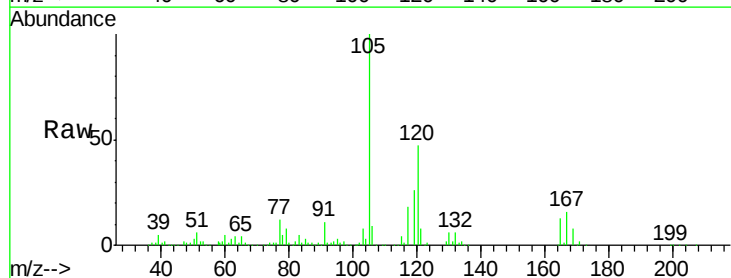
Manual Integrations
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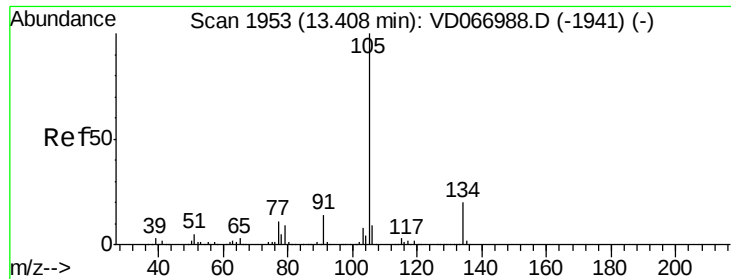
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10/13/2020 1:52:15 PM



#84
1,2,4-Trimethylbenzene
Concen: 56.736 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067225.D
Acq: 12 Oct 2020 10:58

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	800750		
120	45.7		23.3	69.8





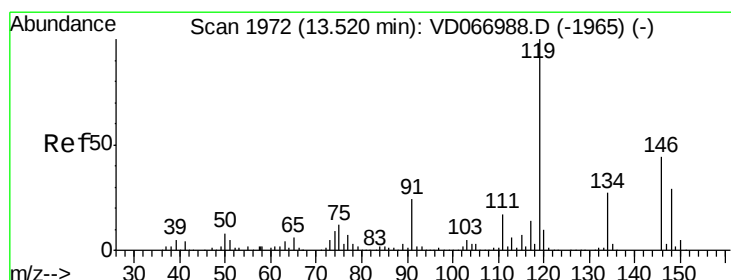
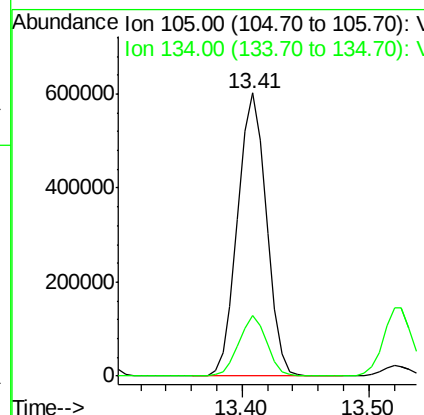
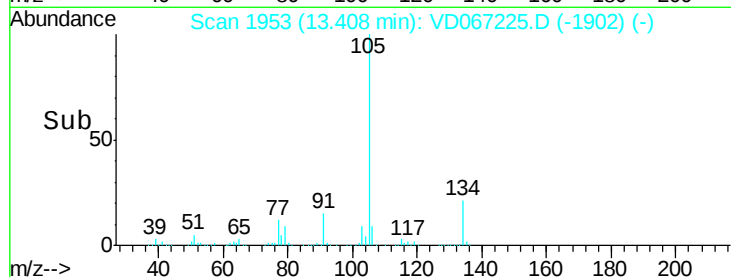
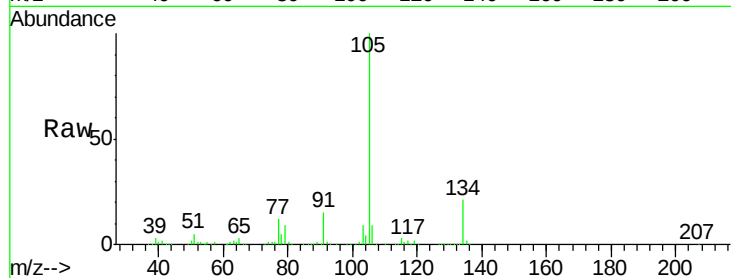
#85
 sec-Butylbenzene
 Concen: 56.427 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD067225.D
 Acq: 12 Oct 2020 10:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
105	100	946358		
134	20.7	10.3	30.8	

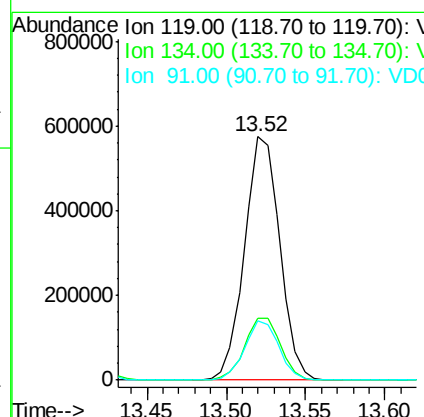
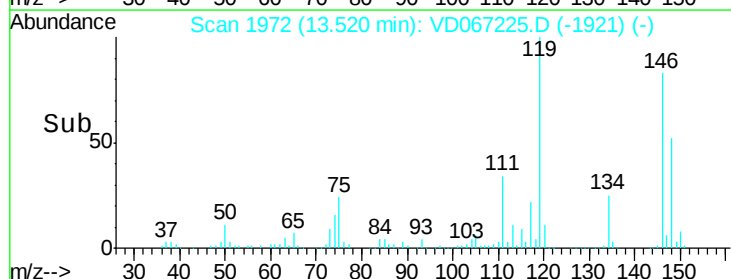
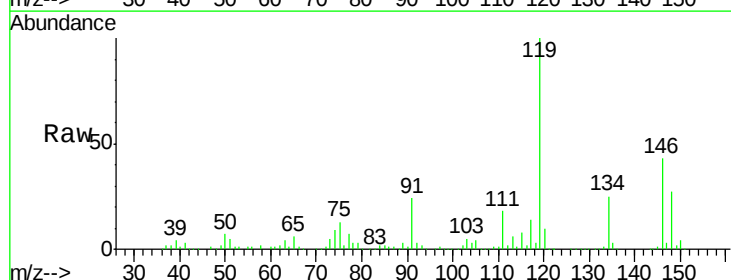
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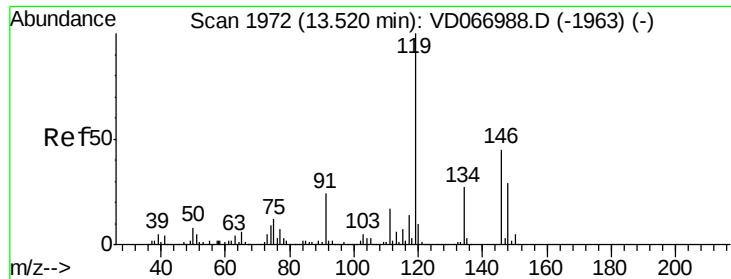
MMDadoda
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#86
 p-Isopropyltoluene
 Concen: 57.089 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067225.D
 Acq: 12 Oct 2020 10:58

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	887666		
134	26.2	13.1	39.1	
91	23.5	11.7	35.1	





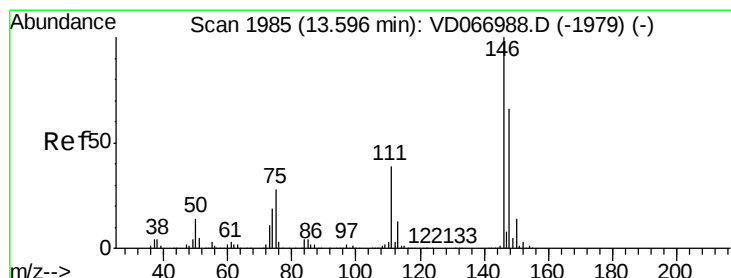
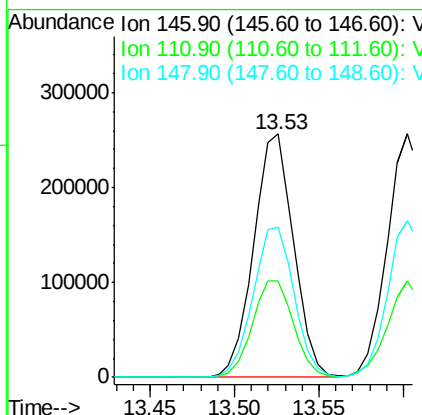
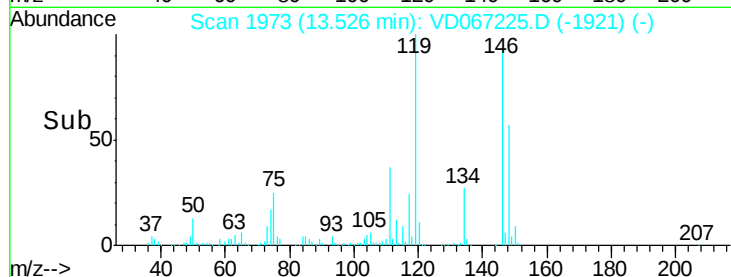
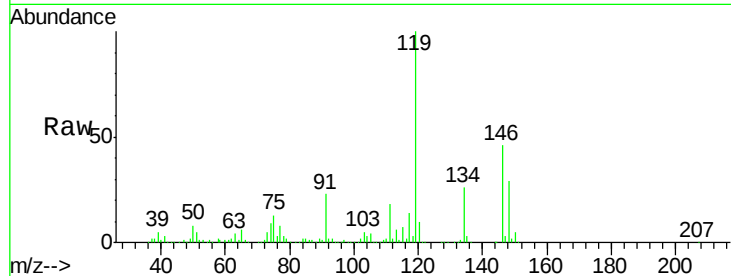
#87
 1,3-Dichlorobenzene
 Concen: 53.568 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD067225.D
 Acq: 12 Oct 2020 10:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.0	60.0
148	63.4	31.9	95.9

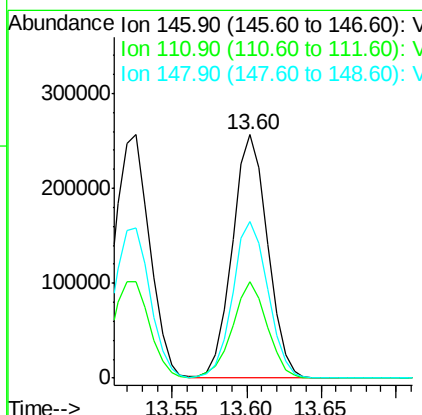
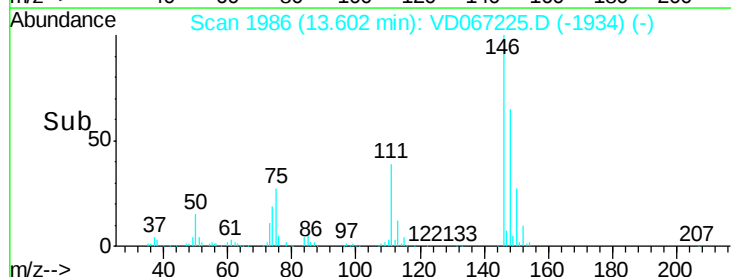
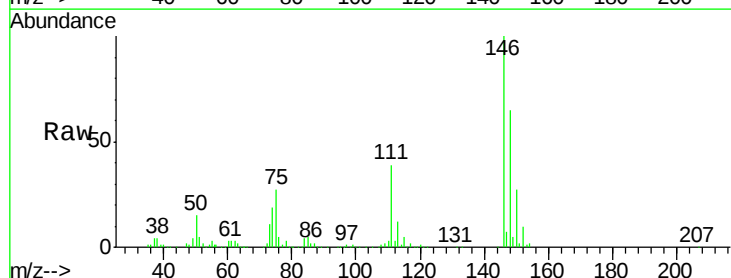
Manual Integrations
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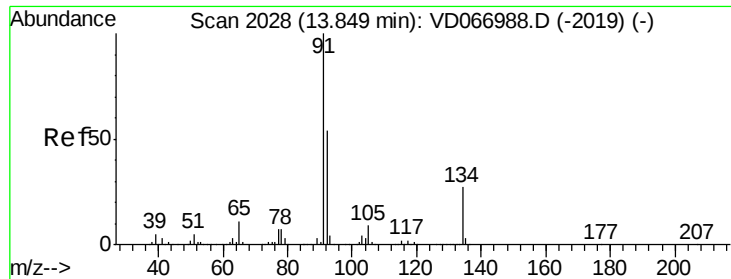
MMDadoda
 10/13/2020 1:52:15 PM



#88
 1,4-Dichlorobenzene
 Concen: 53.691 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.01 min
 Lab File: VD067225.D
 Acq: 12 Oct 2020 10:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.6	58.7
148	64.4	32.6	97.7





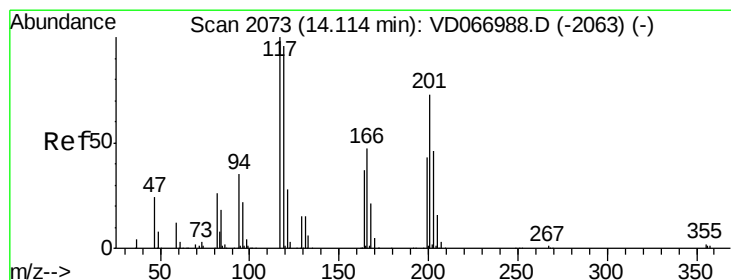
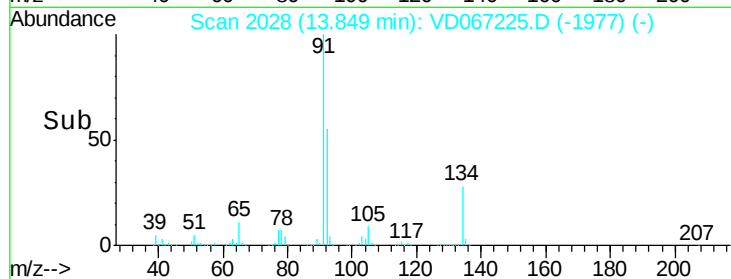
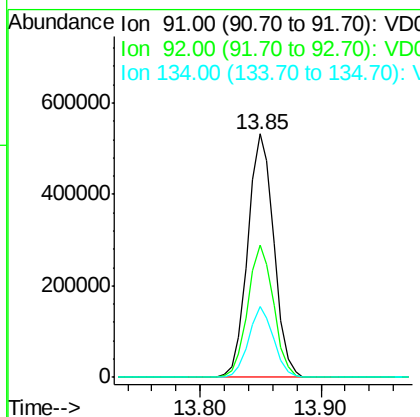
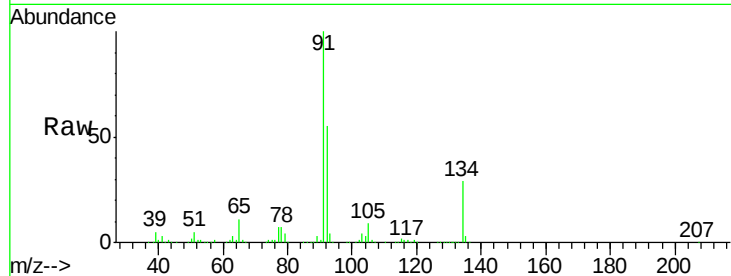
#89
n-Butylbenzene
Concen: 56.295 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067225.D
Acq: 12 Oct 2020 10:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	799972		
92	53.8		27.1	81.2
134	27.7		13.6	40.8

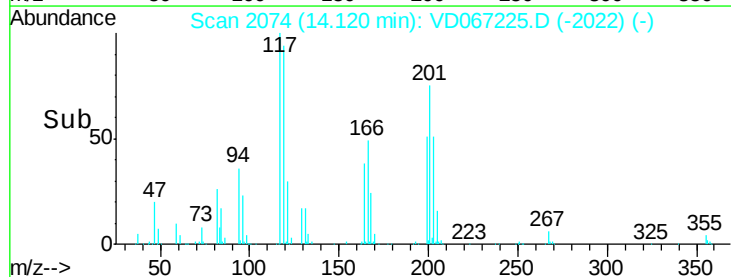
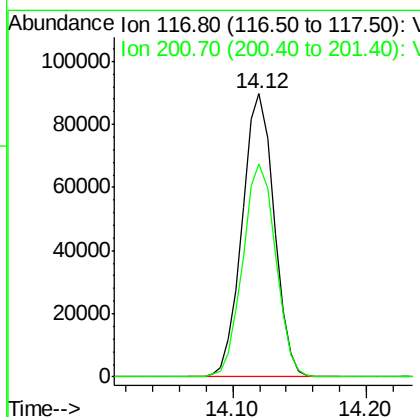
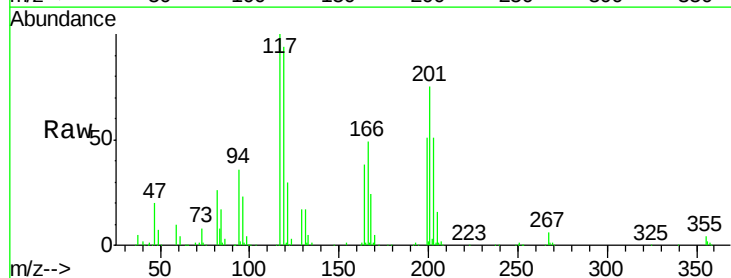
Manual Integrations
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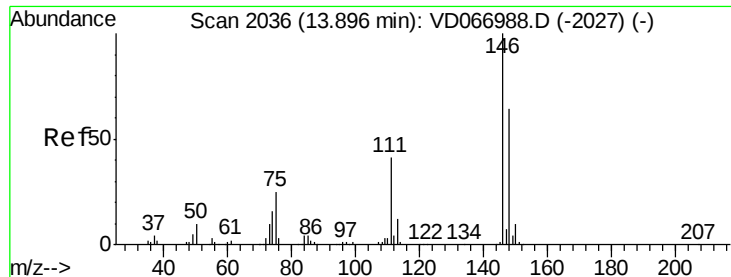
MMDadoda
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#90
Hexachloroethane
Concen: 54.396 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD067225.D
Acq: 12 Oct 2020 10:58

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	148155		
201	77.6		37.0	110.9





#91

1,2-Dichlorobenzene

Concen: 54.078 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VD067225.D

Acq: 12 Oct 2020 10:58

Instrument :

MSVOA_D

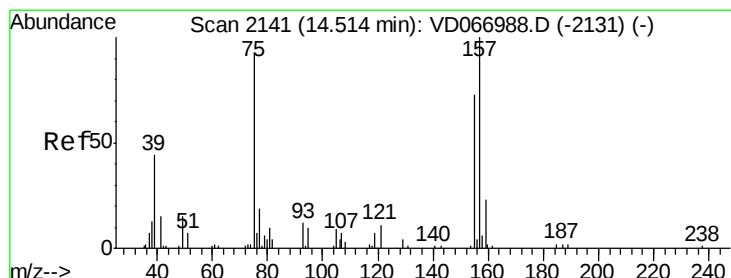
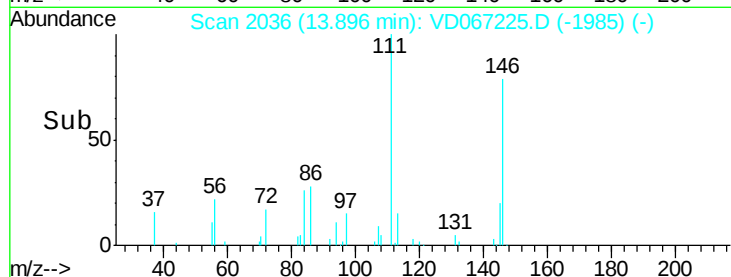
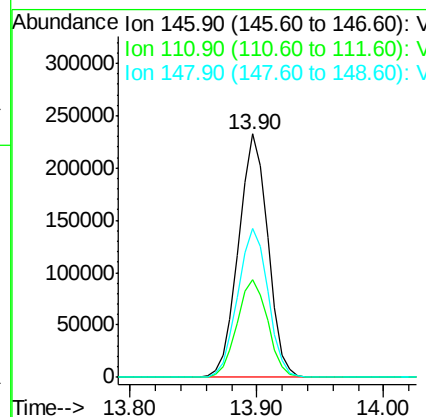
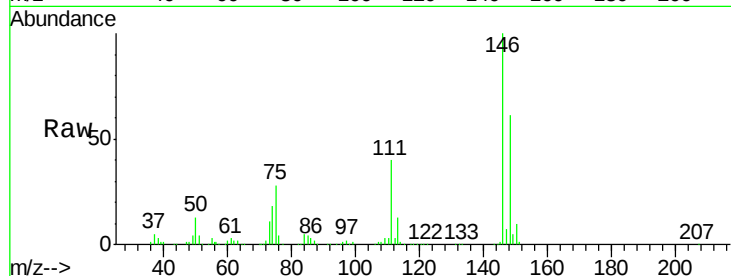
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	371817
Ion Ratio		Lower	Upper
146	100		
111	41.7	20.9	62.7
148	63.3	32.3	96.9

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#92

1,2-Dibromo-3-Chloropropane

Concen: 53.884 ug/l

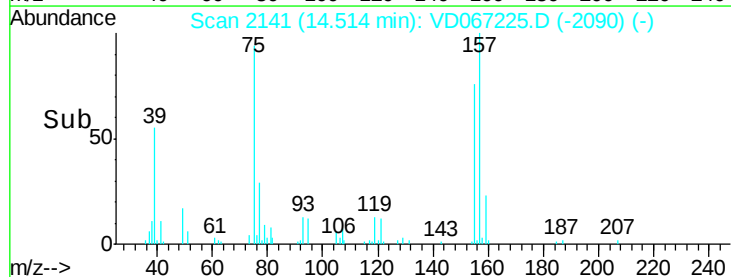
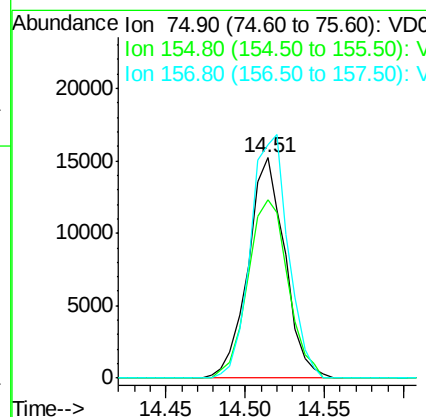
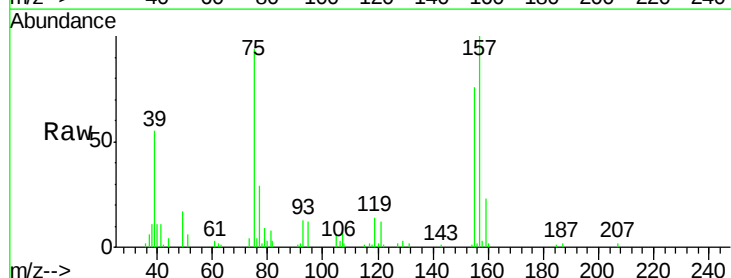
RT: 14.51 min Scan# 2141

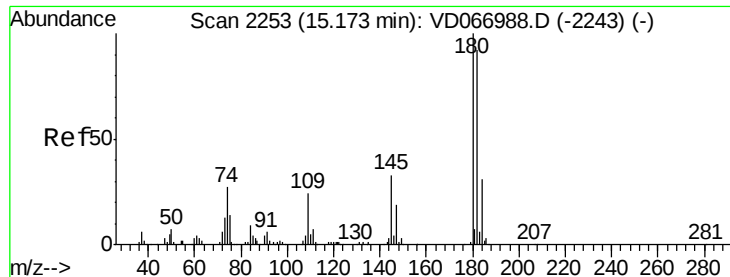
Delta R.T. 0.00 min

Lab File: VD067225.D

Acq: 12 Oct 2020 10:58

Tgt Ion:	75	Resp:	24497
Ion Ratio		Lower	Upper
75	100		
155	88.5	45.2	135.6
157	113.1	56.3	168.8





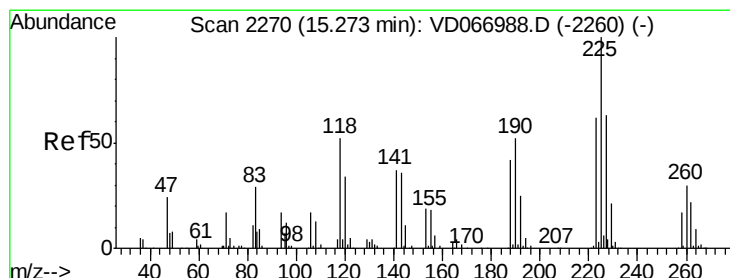
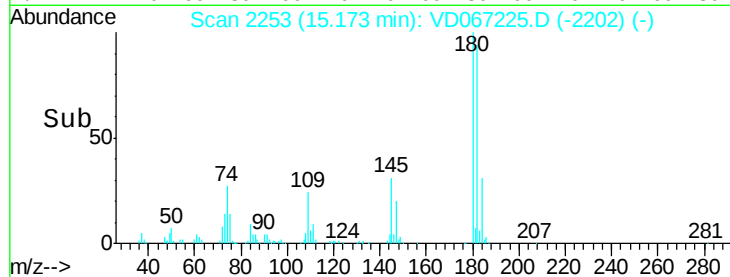
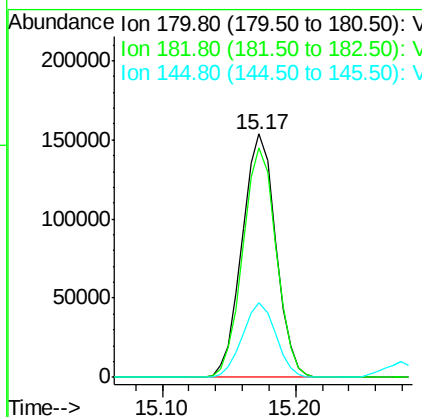
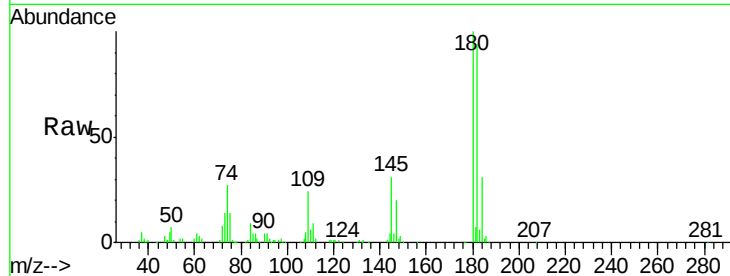
#93
 1,2,4-Trichlorobenzene
 Concen: 60.095 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD067225.D
 Acq: 12 Oct 2020 10:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	267266		
182	93.7	47.3	142.0	
145	30.6	16.4	49.1	

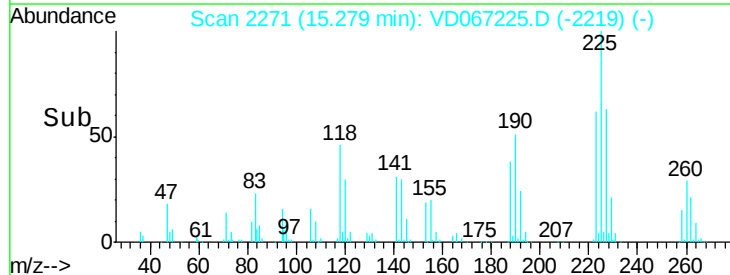
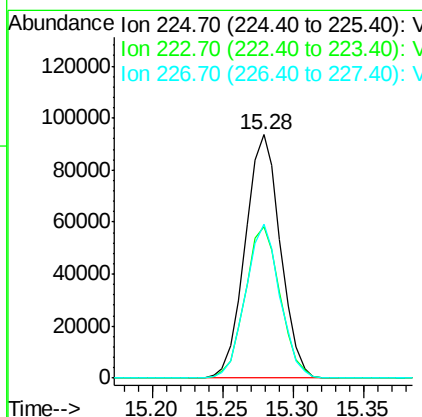
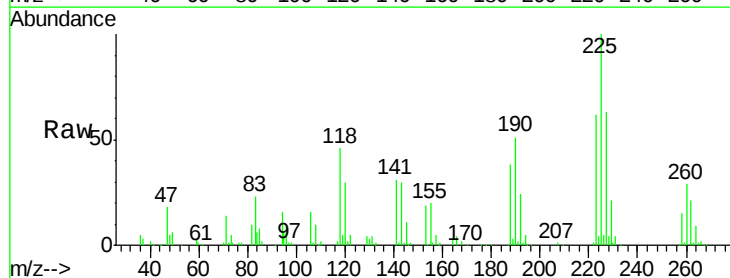
Manual Integrations
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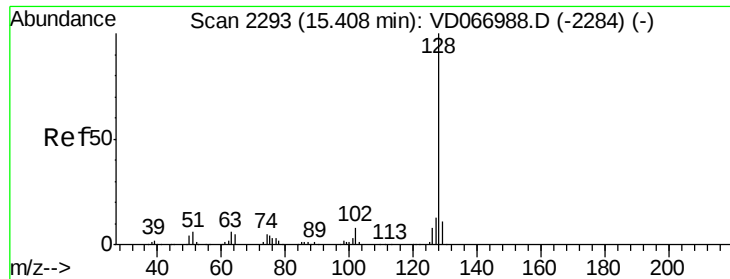
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#94
 Hexachlorobutadiene
 Concen: 59.922 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD067225.D
 Acq: 12 Oct 2020 10:58

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	163664		
223	62.0	32.4	97.0	
227	61.4	31.6	95.0	





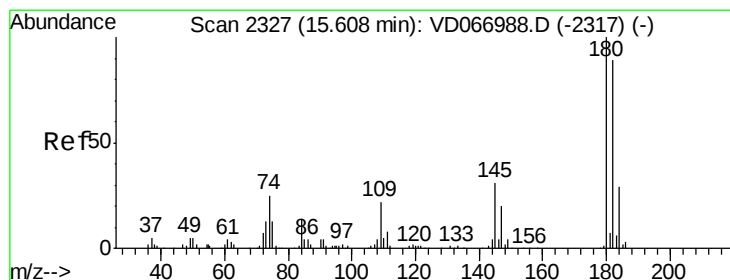
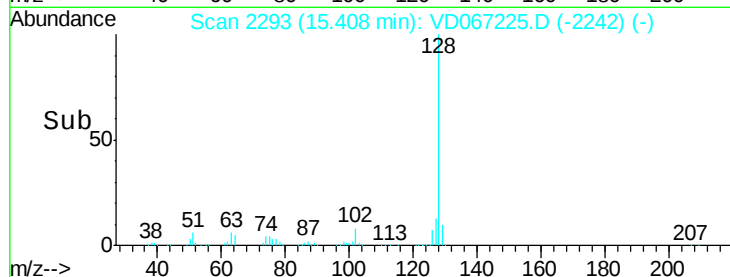
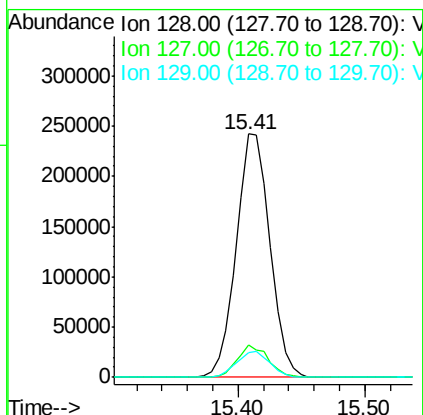
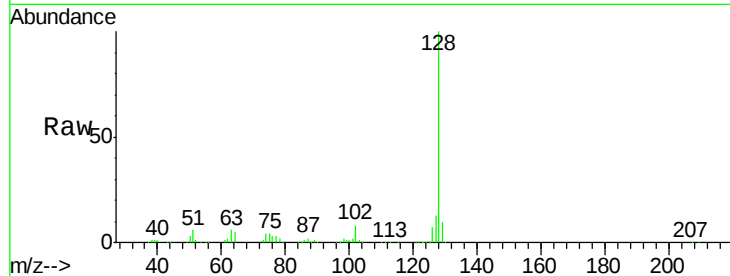
#95
Naphthalene
Concen: 60.118 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD067225.D
Acq: 12 Oct 2020 10:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.3	15.5
129	10.5	8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 58.093 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD067225.D
Acq: 12 Oct 2020 10:58

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	46.4	139.1
145	33.6	16.6	49.7

