

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD103020\
 Data File : VD067481.D
 Acq On : 30 Oct 2020 19:21
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
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MMDadoda
 11/2/2020 4:09:38 PM

Quant Time: Oct 31 06:41:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	289197	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	426790	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	399736	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	206155	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	144330	49.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.62%	
35) Dibromofluoromethane	7.92	113	146963	51.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.48%	
50) Toluene-d8	10.34	98	529625	51.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.06%	
62) 4-Bromofluorobenzene	12.64	95	188895	52.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	99789	42.315	ug/l	94
3) Chloromethane	2.21	50	76199	41.866	ug/l	97
4) Vinyl Chloride	2.35	62	87532	43.832	ug/l	96
5) Bromomethane	2.77	94	75272	54.371	ug/l	94
6) Chloroethane	2.93	64	58792	47.273	ug/l	95
7) Trichlorofluoromethane	3.27	101	248100	49.338	ug/l	99
8) Diethyl Ether	3.71	74	57591	50.050	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.10	101	135271	50.632	ug/l	99
10) Methyl Iodide	4.30	142	142791	57.939	ug/l	99
11) Tert butyl alcohol	5.23	59	37382	247.756	ug/l #	91
12) 1,1-Dichloroethene	4.07	96	120935	50.668	ug/l	97
13) Acrolein	3.92	56	28791	173.523	ug/l	99
14) Allyl chloride	4.72	41	136338	49.880	ug/l	98
15) Acrylonitrile	5.42	53	102862	267.906	ug/l	99
16) Acetone	4.16	43	102546	252.719	ug/l	97
17) Carbon Disulfide	4.41	76	289797	42.590	ug/l	100
18) Methyl Acetate	4.72	43	50648	54.725	ug/l	99
19) Methyl tert-butyl Ether	5.47	73	255893	53.919	ug/l	99
20) Methylene Chloride	4.97	84	143806	55.853	ug/l	90
21) trans-1,2-Dichloroethene	5.47	96	138596	50.460	ug/l	96
22) Diisopropyl ether	6.37	45	275725	55.221	ug/l	99
23) Vinyl Acetate	6.31	43	785400	276.481	ug/l	97
24) 1,1-Dichloroethane	6.27	63	226432	52.977	ug/l	98
25) 2-Butanone	7.21	43	121453	262.580	ug/l #	86
26) 2,2-Dichloropropane	7.21	77	231224	52.485	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	162560	54.002	ug/l	100
28) Bromochloromethane	7.55	49	74597	51.169	ug/l #	96
29) Tetrahydrofuran	7.57	42	67198	261.354	ug/l	96
30) Chloroform	7.71	83	277283	54.306	ug/l	94
31) Cyclohexane	7.99	56	155061	46.466	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	270937	54.082	ug/l	99
36) 1,1-Dichloropropene	8.11	75	187731	51.898	ug/l	98
37) Ethyl Acetate	7.30	43	54635	51.335	ug/l	96
38) Carbon Tetrachloride	8.10	117	250498	54.182	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	200536	53.029	ug/l	97
40) Benzene	8.36	78	545861	55.005	ug/l	99
41) Methacrylonitrile	7.53	41	25227m	43.864	ug/l	
42) 1,2-Dichloroethane	8.43	62	167711	54.003	ug/l	98
43) Isopropyl Acetate	8.46	43	112891	53.457	ug/l	99
44) Trichloroethene	9.12	130	174958	55.064	ug/l	94
45) 1,2-Dichloropropane	9.39	63	122475	53.252	ug/l	98
46) Dibromomethane	9.48	93	75025	52.357	ug/l	99
47) Bromodichloromethane	9.67	83	215218	56.058	ug/l	98
48) Methyl methacrylate	9.46	41	54321	52.930	ug/l	99
49) 1,4-Dioxane	9.46	88	15187	1098.157	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	284872	270.454	ug/l	99
52) Toluene	10.41	92	381676	56.469	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	183060	54.279	ug/l	97
54) cis-1,3-Dichloropropene	10.10	75	213364	54.058	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	108869	55.715	ug/l	96
56) Ethyl methacrylate	10.67	69	116425	57.450	ug/l	97
57) 1,3-Dichloropropane	10.96	76	171208	55.056	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	271661	261.309	ug/l	99
59) 2-Hexanone	10.99	43	192891	267.994	ug/l	95
60) Dibromochloromethane	11.14	129	159388	55.932	ug/l	99
61) 1,2-Dibromoethane	11.25	107	103969	53.971	ug/l	100
64) Tetrachloroethene	10.88	164	154614	53.385	ug/l	93
65) Chlorobenzene	11.68	112	427130	55.722	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	171356	56.246	ug/l	99
67) Ethyl Benzene	11.75	91	731892	55.700	ug/l	96
68) m/p-Xylenes	11.86	106	567818	112.218	ug/l	99
69) o-Xylene	12.18	106	269024	57.415	ug/l	93
70) Styrene	12.20	104	453306	56.200	ug/l	98
71) Bromoform	12.37	173	89619	54.756	ug/l	# 98
73) Isopropylbenzene	12.48	105	744208	56.879	ug/l	99
74) N-amyl acetate	12.29	43	102279	51.758	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	104198	51.975	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	67325m	47.118	ug/l	
77) Bromobenzene	12.77	156	177172	54.315	ug/l	98
78) n-propylbenzene	12.83	91	844042	55.678	ug/l	99
79) 2-Chlorotoluene	12.91	91	477338	54.297	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	639952	56.285	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	34140	54.183	ug/l	94
82) 4-Chlorotoluene	13.01	91	520252	55.757	ug/l	99
83) tert-Butylbenzene	13.23	119	556675	57.961	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	640475	56.993	ug/l	99
85) sec-Butylbenzene	13.41	105	744047	56.459	ug/l	100
86) p-Isopropyltoluene	13.52	119	708763	56.980	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	342291	54.518	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	337969	54.332	ug/l	100
89) n-Butylbenzene	13.85	91	621659	56.809	ug/l	99
90) Hexachloroethane	14.12	117	117520	54.141	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	300979	54.874	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	18674	51.273	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	208283	56.323	ug/l	100
94) Hexachlorobutadiene	15.27	225	133063	57.943	ug/l	99
95) Naphthalene	15.41	128	341187	56.194	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	179409	56.157	ug/l	99

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

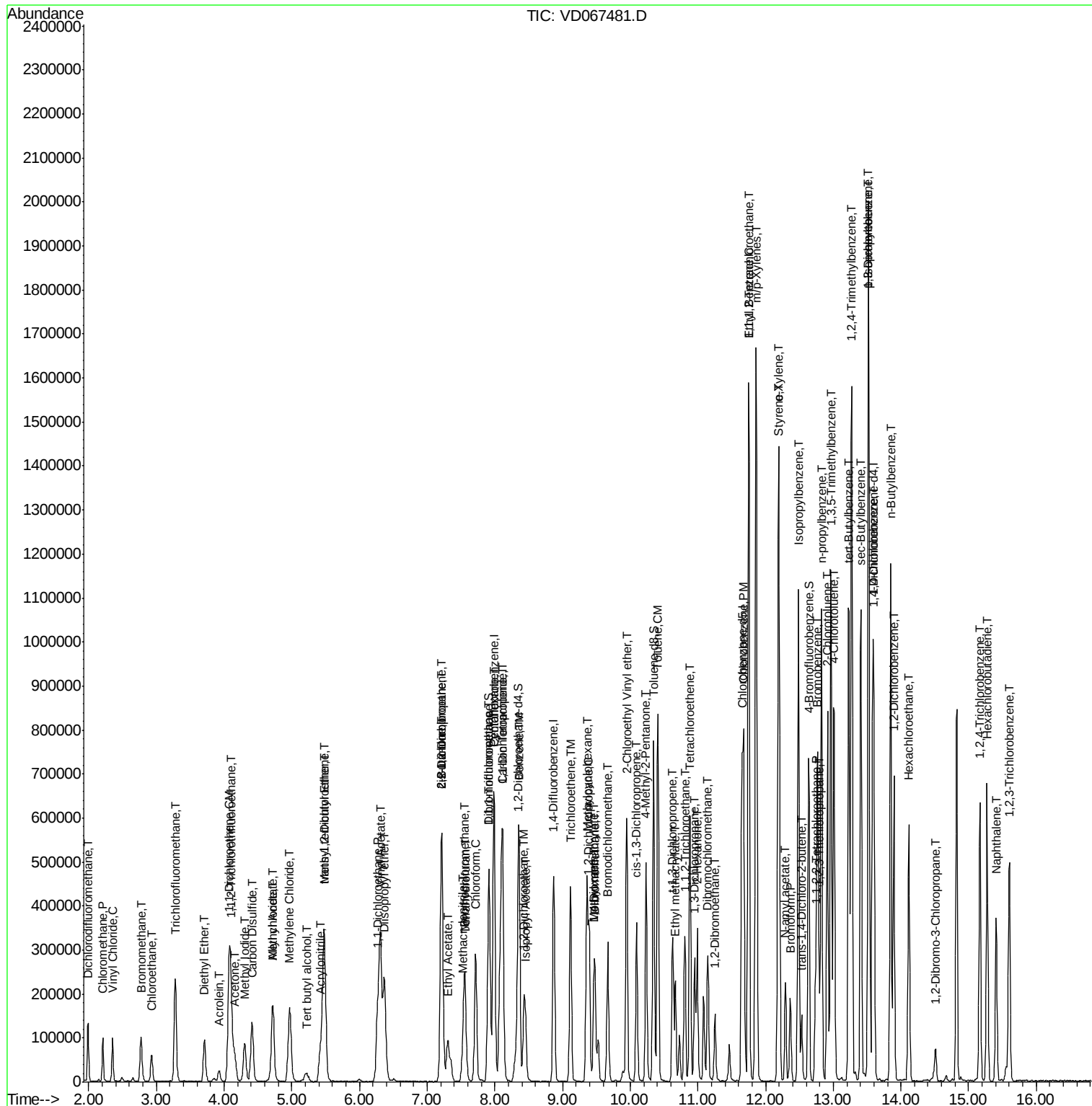
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD103020\
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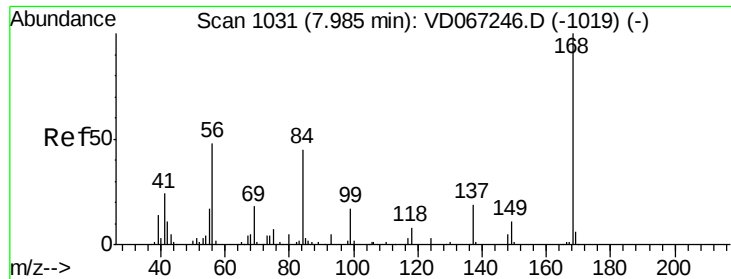
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067481.D

Acq: 30 Oct 2020 19:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 289197

Ion Ratio Lower Upper

168 100

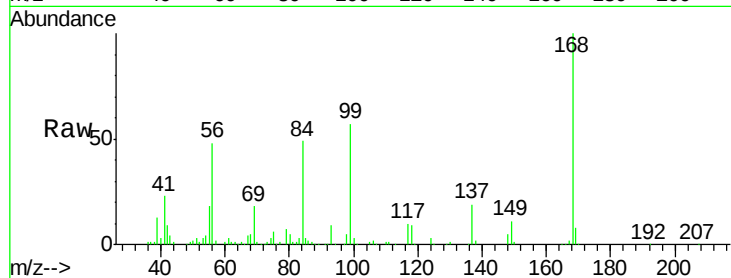
99 56.3 45.9 68.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

150000

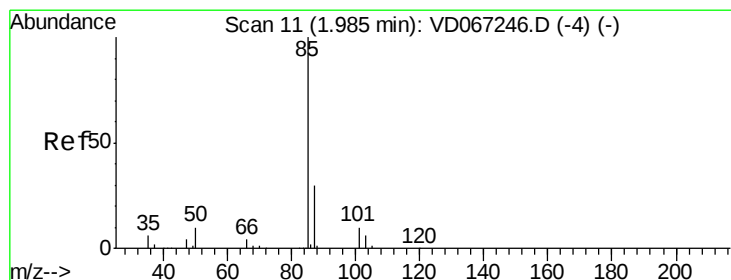
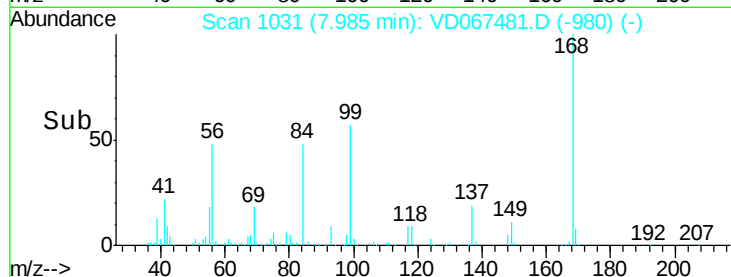
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50000

0

7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 42.315 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067481.D

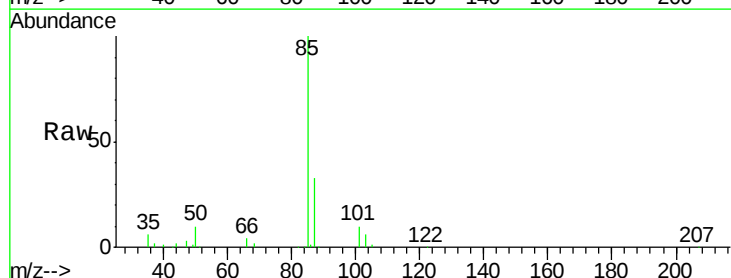
Acq: 30 Oct 2020 19:21

Tgt Ion: 85 Resp: 99789

Ion Ratio Lower Upper

85 100

87 33.4 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

80000

60000

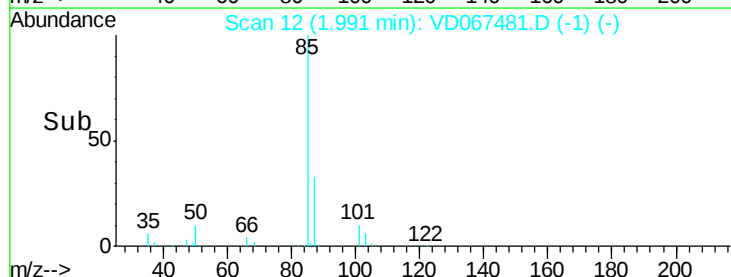
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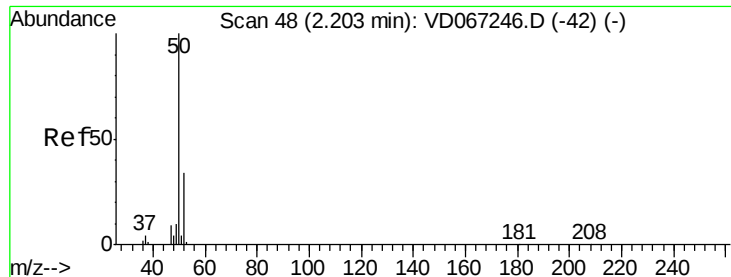
20000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 41.866 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD067481.D

Acq: 30 Oct 2020 19:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 76199

Ion Ratio Lower Upper

50 100

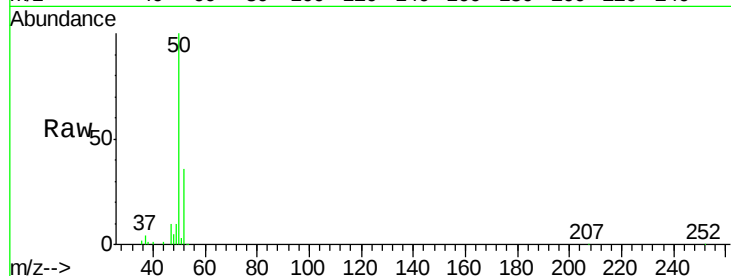
52 35.8 27.1 40.7

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

60000

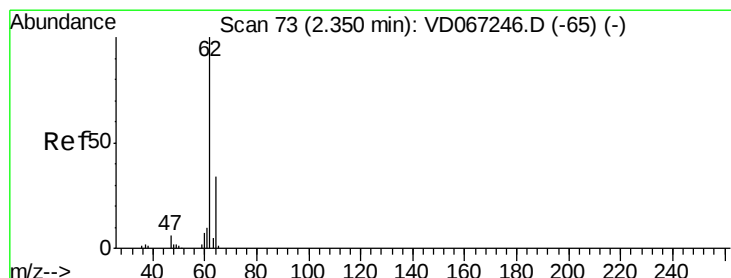
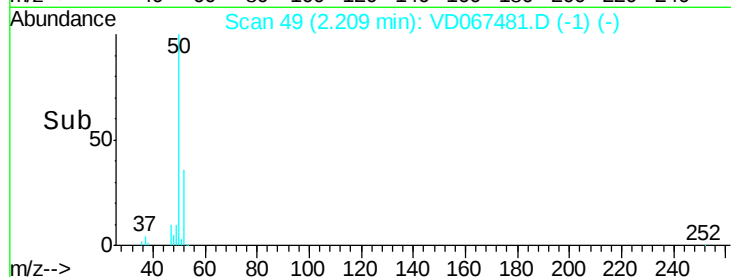
40000

20000

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Time-->

2.15 2.20 2.25 2.30



#4

Vinyl Chloride

Concen: 43.832 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067481.D

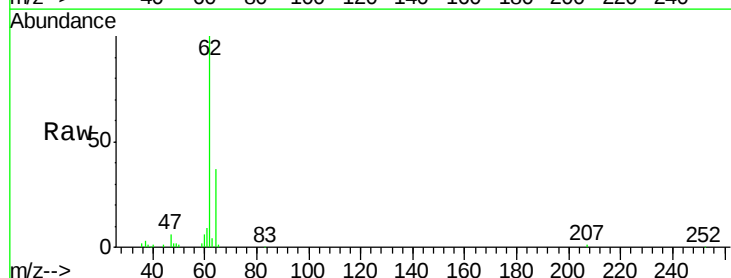
Acq: 30 Oct 2020 19:21

Tgt Ion: 62 Resp: 87532

Ion Ratio Lower Upper

62 100

64 36.7 27.4 41.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

60000

50000

40000

30000

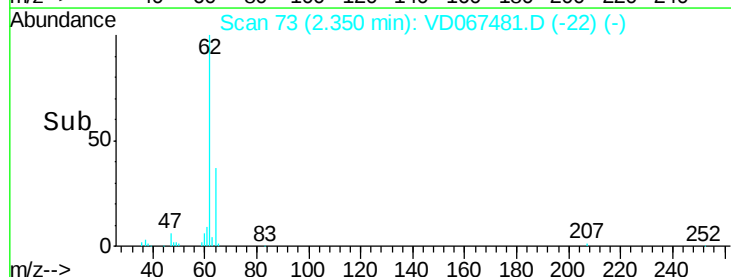
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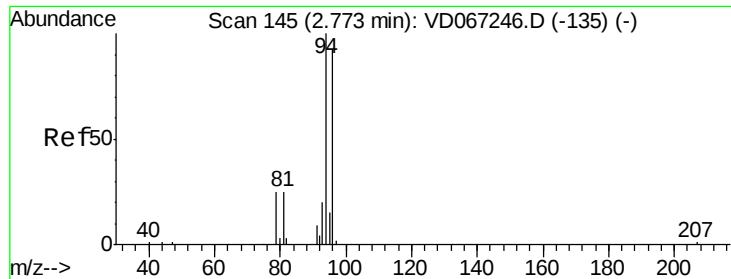
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0

Time-->

2.30 2.35 2.40





#5

Bromomethane

Concen: 54.371 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067481.D

Acq: 30 Oct 2020 19:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 75272

Ion Ratio Lower Upper

94 100

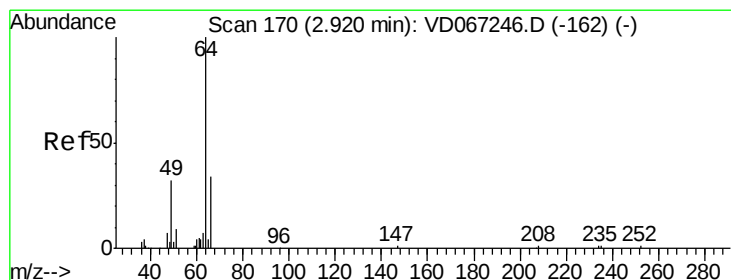
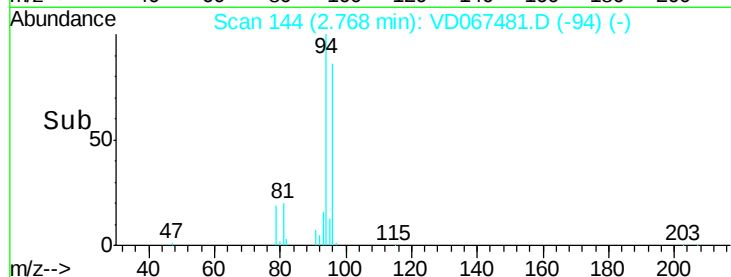
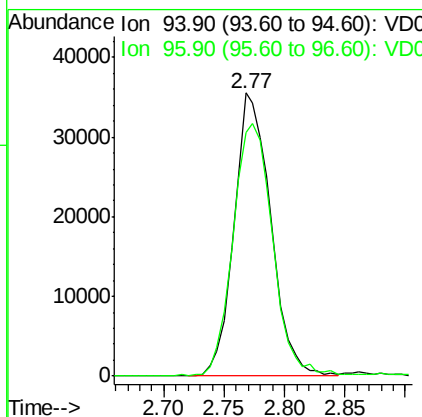
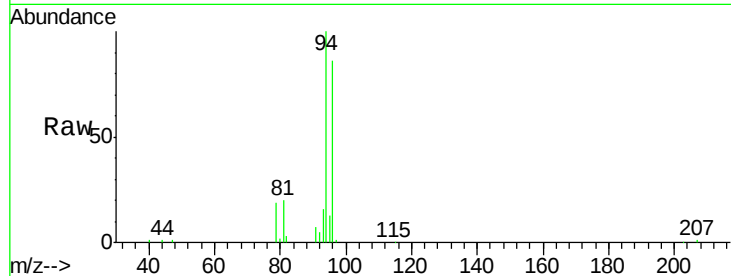
96 86.2 73.8 110.6

Manual Integrations

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#6

Chloroethane

Concen: 47.273 ug/l

RT: 2.93 min Scan# 172

Delta R.T. 0.01 min

Lab File: VD067481.D

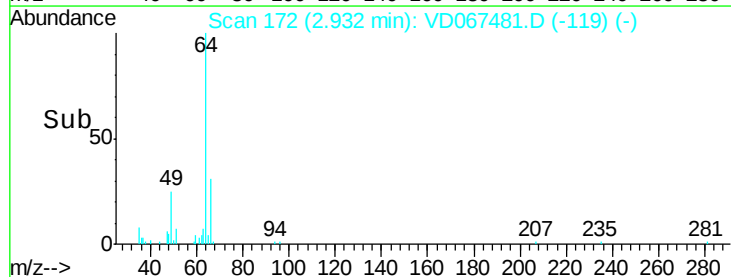
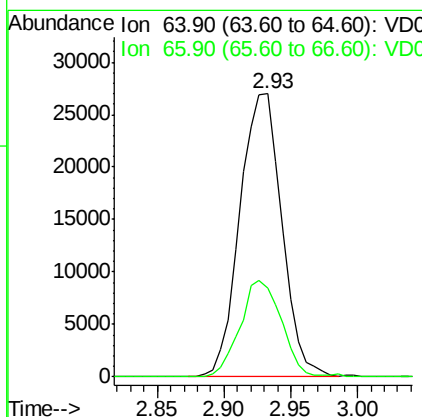
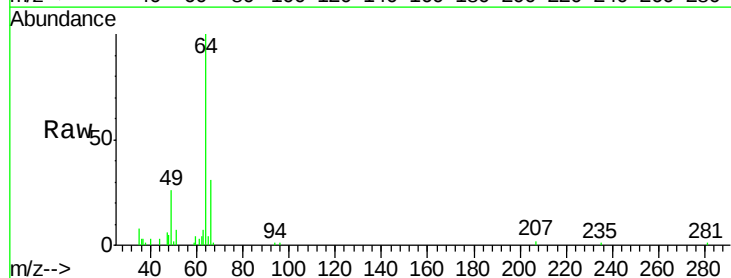
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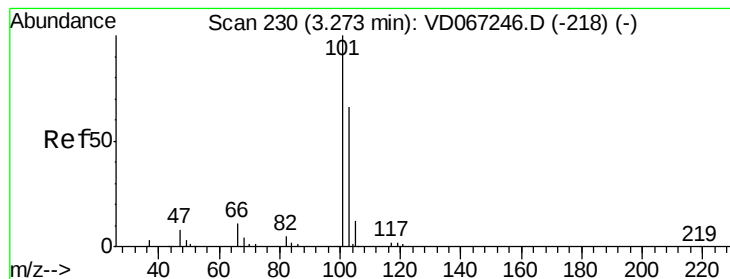
Tgt Ion: 64 Resp: 58792

Ion Ratio Lower Upper

64 100

66 31.2 27.4 41.0





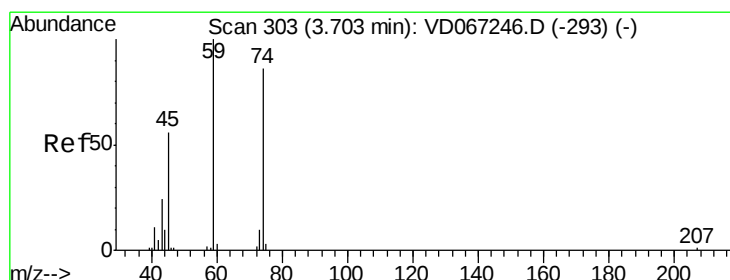
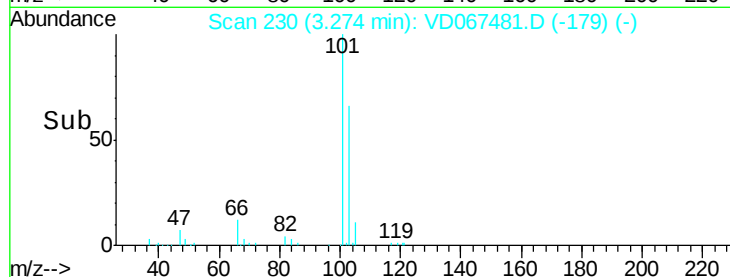
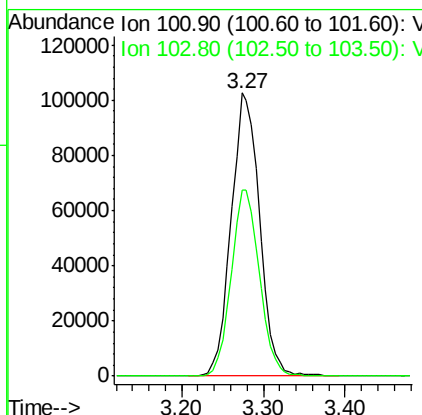
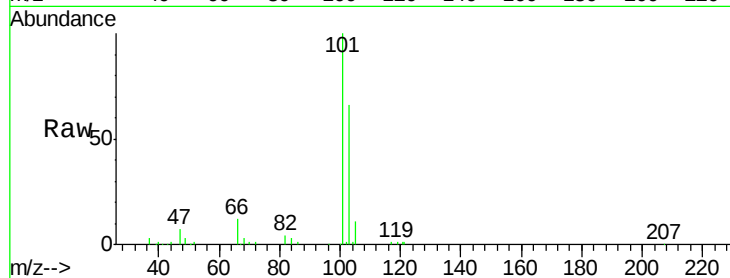
#7
 Trichlorofluoromethane
 Concen: 49.338 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD067481.D
 Acq: 30 Oct 2020 19:21

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.9	53.1	79.7

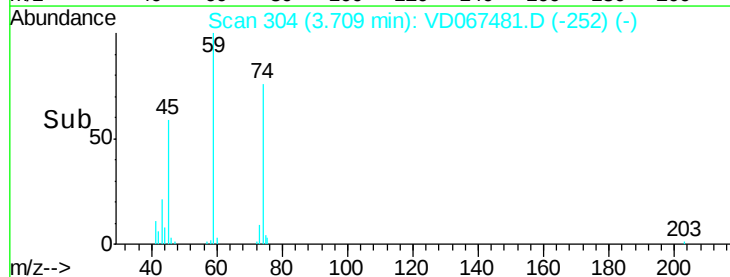
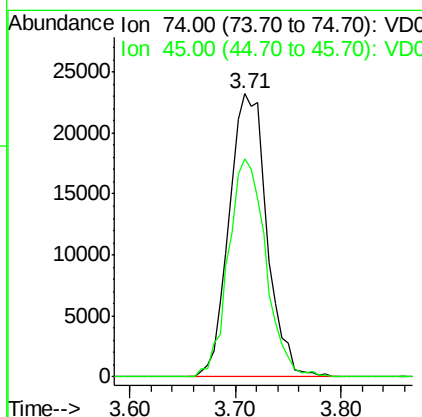
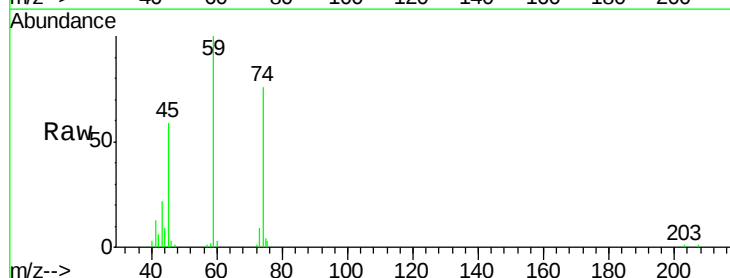
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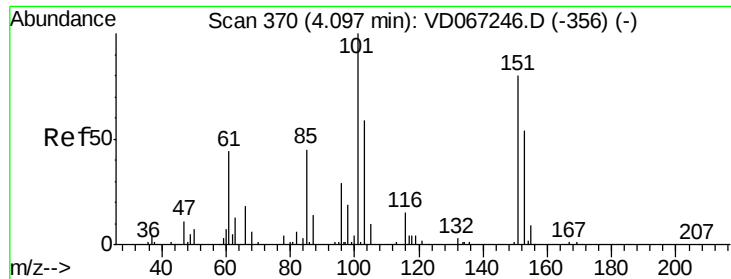
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 11/2/2020 4:09:38 PM



#8
 Diethyl Ether
 Concen: 50.050 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.01 min
 Lab File: VD067481.D
 Acq: 30 Oct 2020 19:21

Tgt Ion	Ratio	Lower	Upper
74	100		
45	76.0	37.0	111.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.632 ug/l

RT: 4.10 min Scan# 371

Delta R.T. 0.01 min

Lab File: VD067481.D

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MSVOA_D

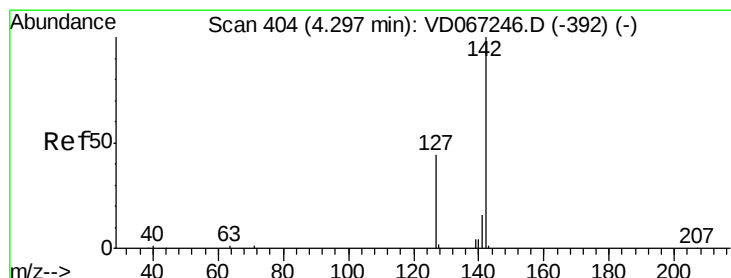
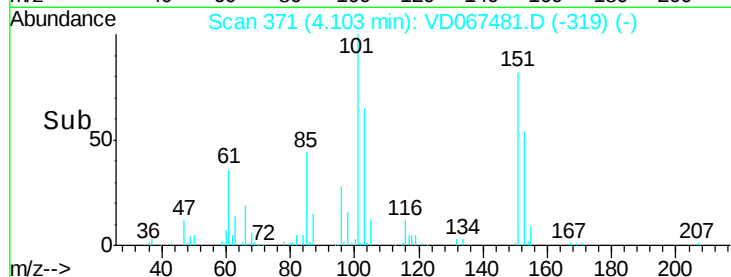
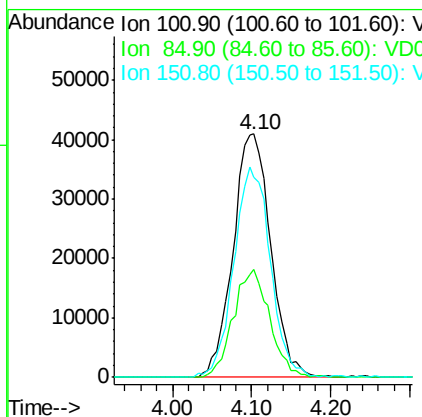
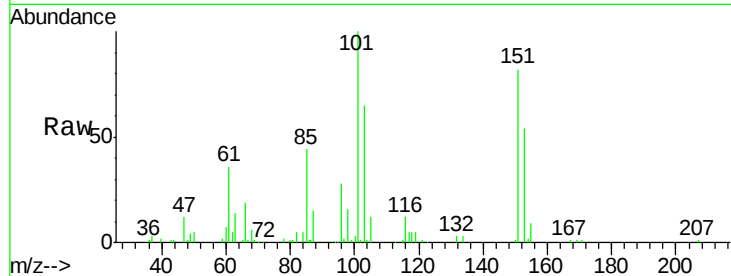
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	135271
Ion Ratio	Lower	Upper	
101	100		
85	42.6	34.2	51.4
151	83.6	66.3	99.5

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#10

Methyl Iodide

Concen: 57.939 ug/l

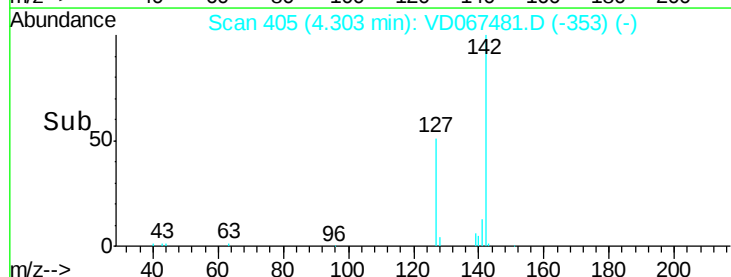
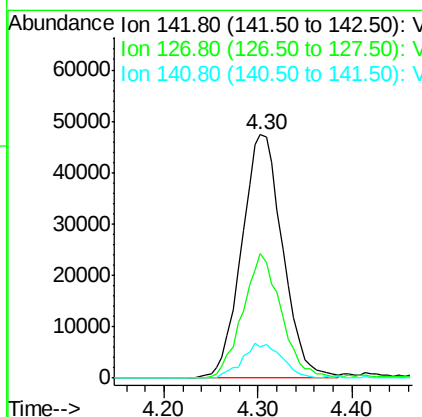
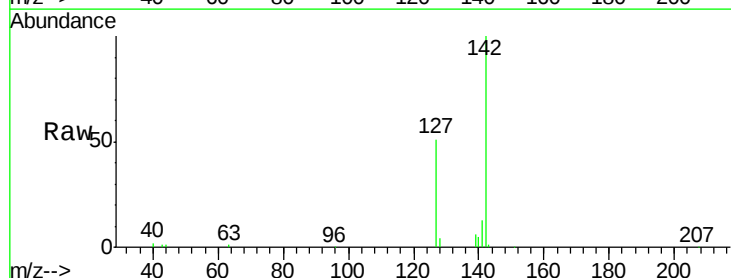
RT: 4.30 min Scan# 405

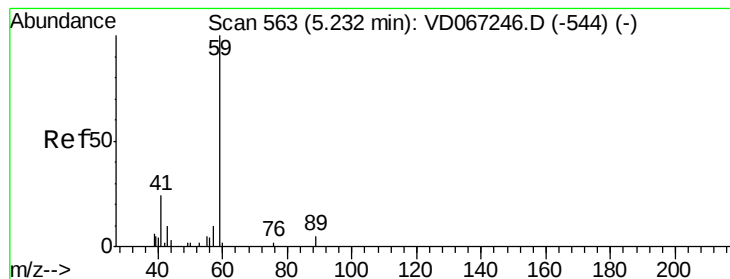
Delta R.T. 0.01 min

Lab File: VD067481.D

Acq: 30 Oct 2020 19:21

Tgt Ion:	142	Resp:	142791
Ion Ratio	Lower	Upper	
142	100		
127	47.8	38.4	57.6
141	13.9	11.6	17.4





#11

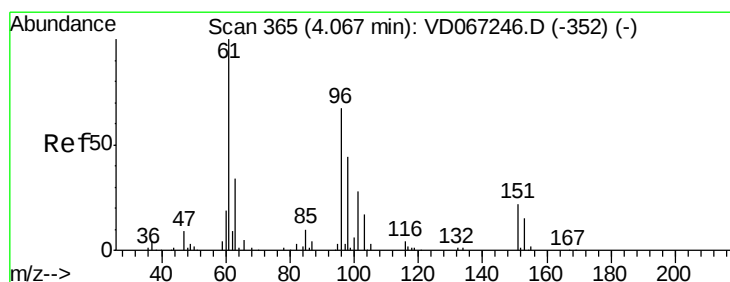
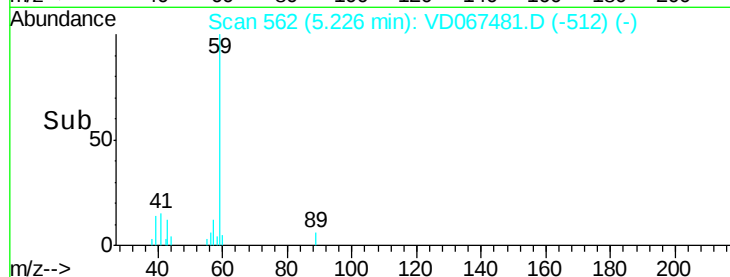
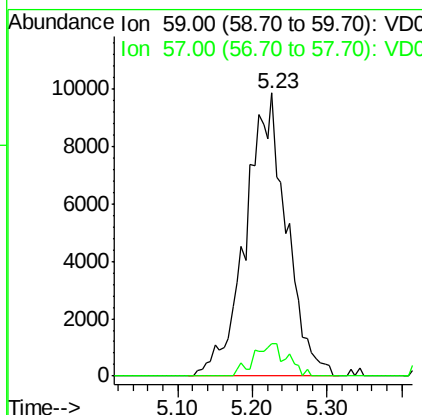
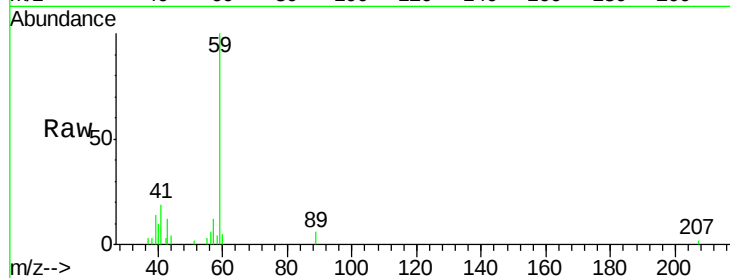
Tert butyl alcohol
 Concen: 247.756 ug/l
 RT: 5.23 min Scan# 562
 Delta R.T. -0.00 min
 Lab File: VD067481.D
 Acq: 30 Oct 2020 19:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.5	5.1	7.7#

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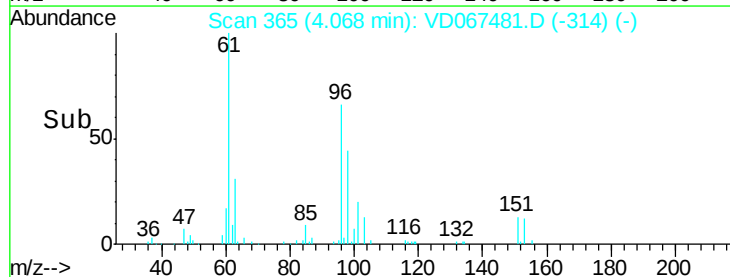
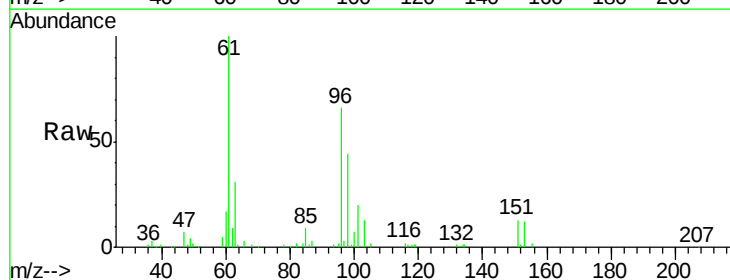
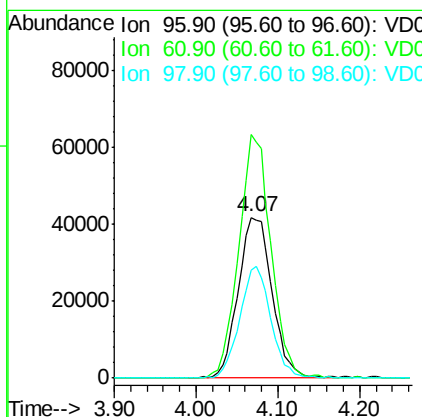
MMDadoda
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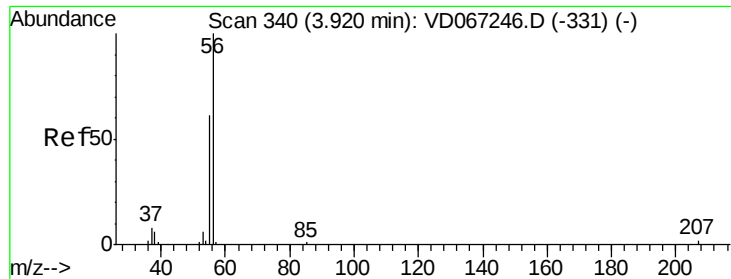


#12

1,1-Dichloroethene
 Concen: 50.668 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VD067481.D
 Acq: 30 Oct 2020 19:21

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.5	118.6	177.8
98	67.2	51.8	77.6





#13

Acrolein

Concen: 173.523 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD067481.D

Acq: 30 Oct 2020 19:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 28791

Ion Ratio Lower Upper

56 100

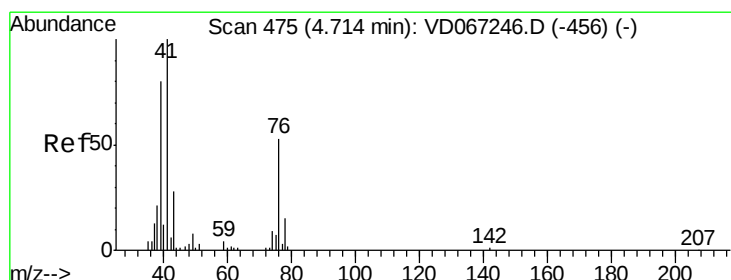
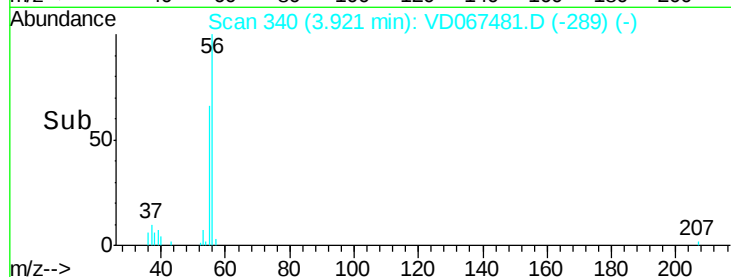
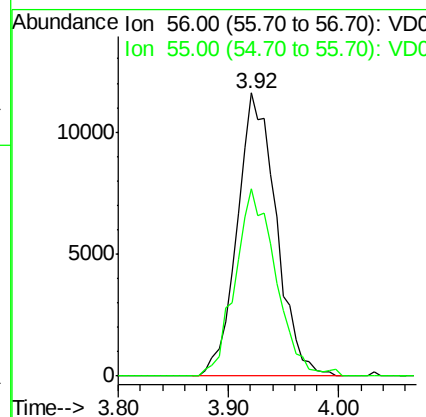
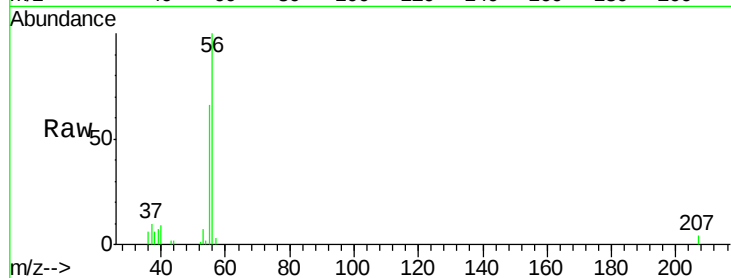
55 68.9 56.0 84.0

Manual Integrations

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#14

Allyl chloride

Concen: 49.880 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD067481.D

Acq: 30 Oct 2020 19:21

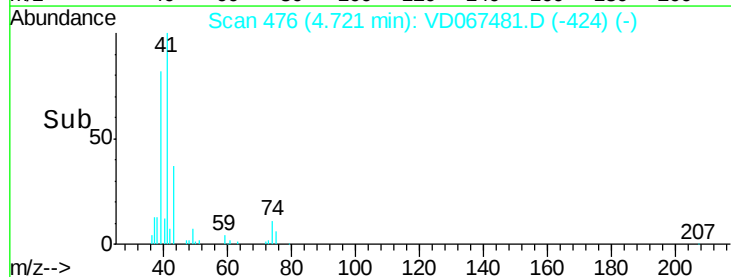
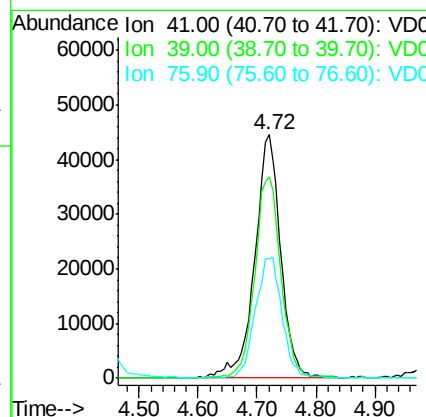
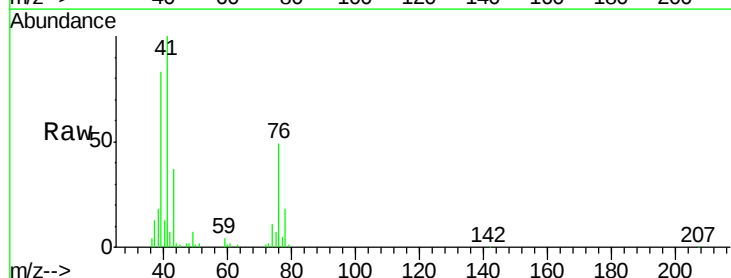
Tgt Ion: 41 Resp: 136338

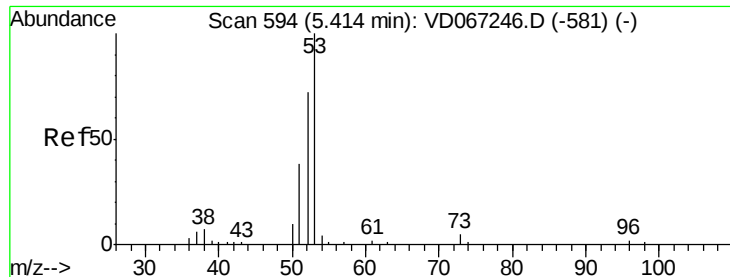
Ion Ratio Lower Upper

41 100

39 82.7 63.8 95.6

76 50.8 40.4 60.6





#15

Acrylonitrile

Concen: 267.906 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.01 min

Lab File: VD067481.D

Acq: 30 Oct 2020 19:21

Instrument :

MSVOA_D

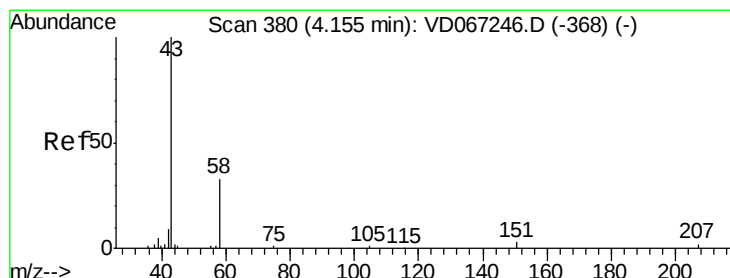
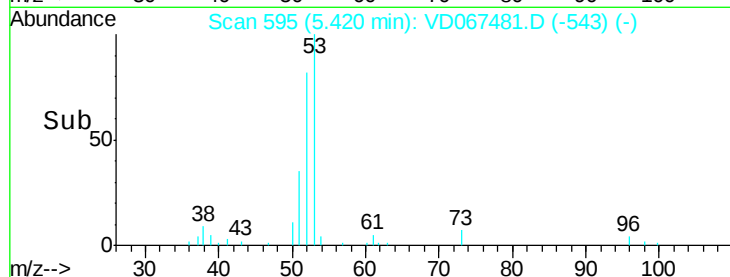
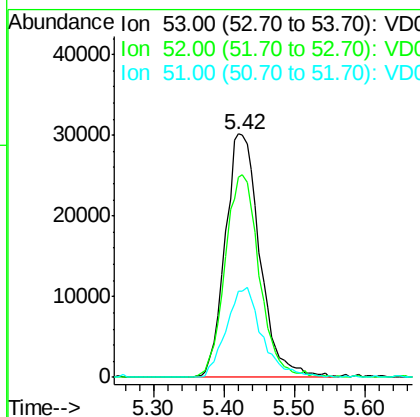
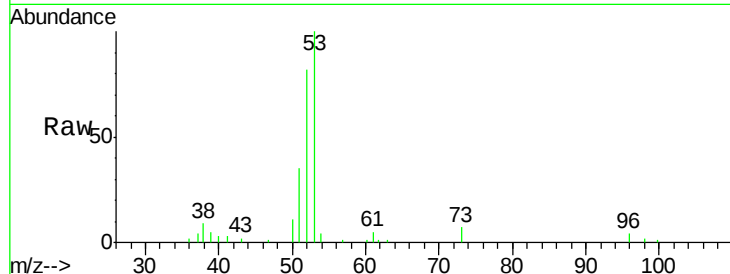
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	102862
Ion	Ratio	Lower	Upper
53	100		
52	81.4	65.6	98.4
51	38.1	30.8	46.2

Manual Integrations
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#16

Acetone

Concen: 252.719 ug/l

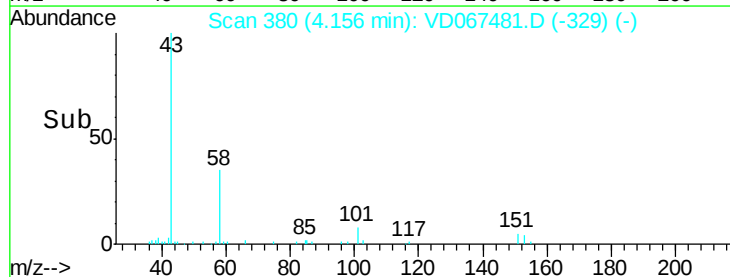
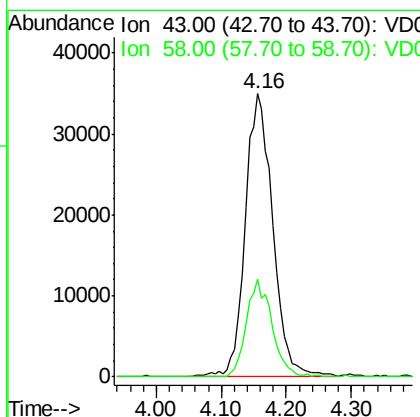
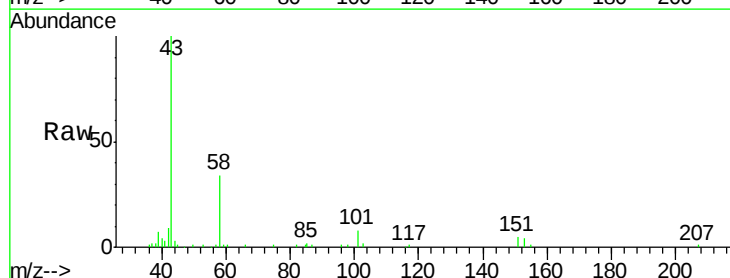
RT: 4.16 min Scan# 380

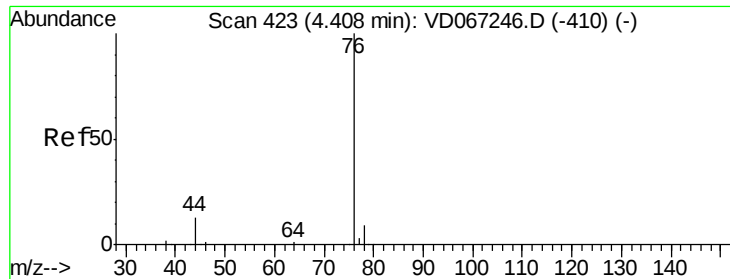
Delta R.T. 0.00 min

Lab File: VD067481.D

Acq: 30 Oct 2020 19:21

Tgt Ion:	43	Resp:	102546
Ion	Ratio	Lower	Upper
43	100		
58	34.3	26.1	39.1





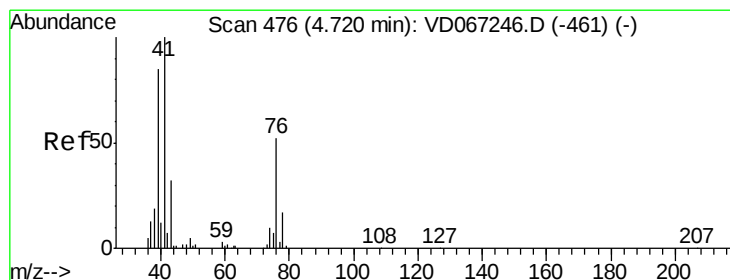
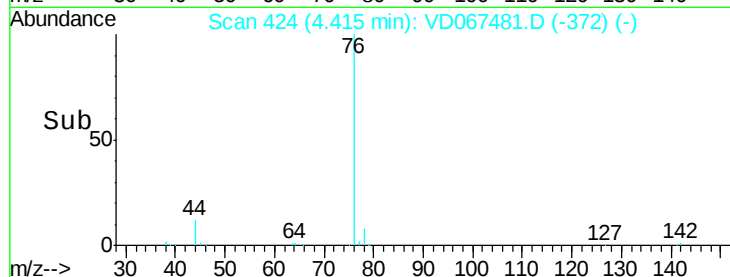
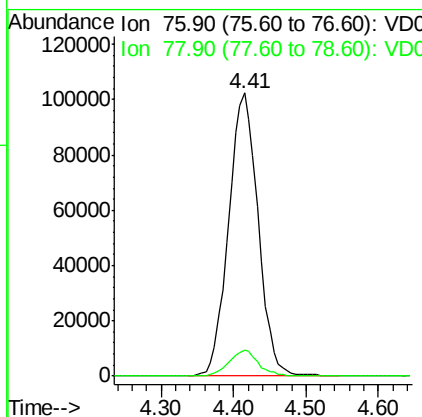
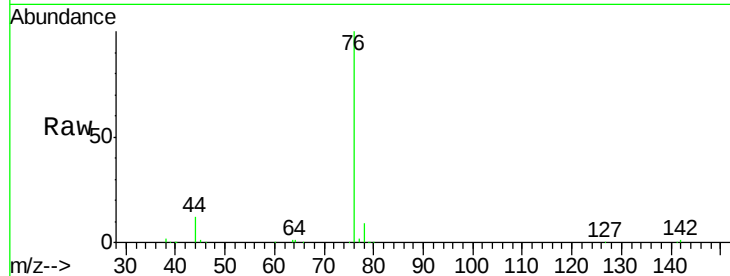
#17
Carbon Disulfide
Concen: 42.590 ug/l
RT: 4.41 min Scan# 424
Delta R.T. 0.01 min
Lab File: VD067481.D
Acq: 30 Oct 2020 19:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.0

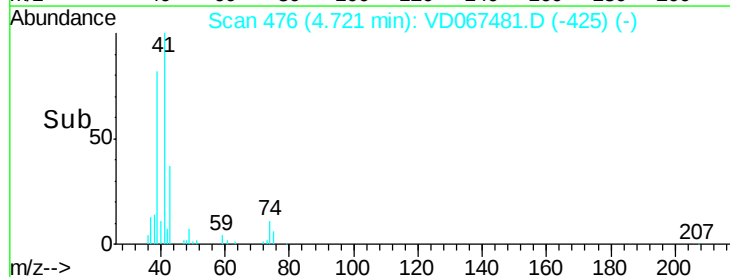
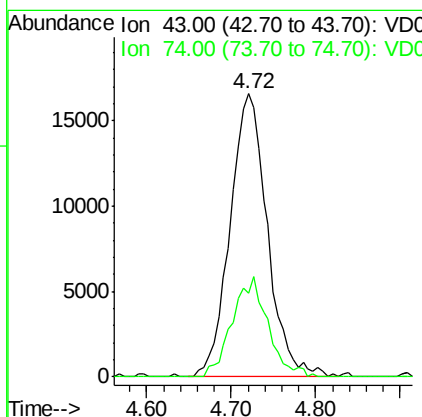
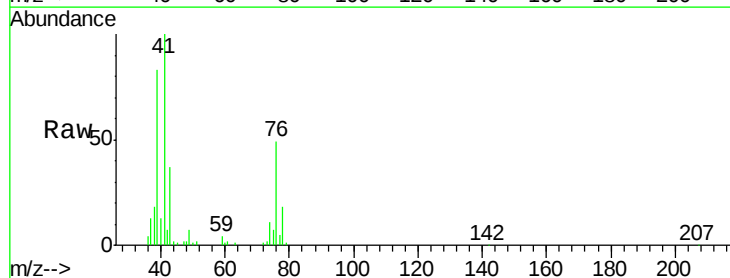
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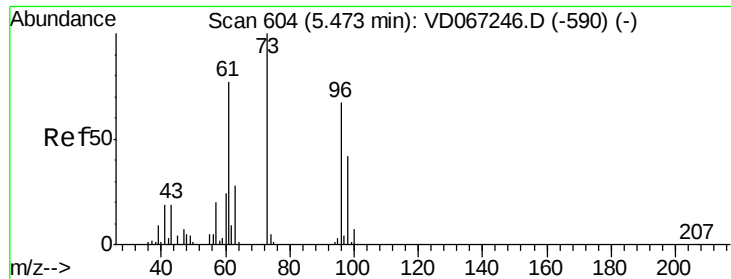
MMDadoda
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#18
Methyl Acetate
Concen: 54.725 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.00 min
Lab File: VD067481.D
Acq: 30 Oct 2020 19:21

Tgt Ion	Ratio	Lower	Upper
43	100		
74	33.7	26.6	39.8





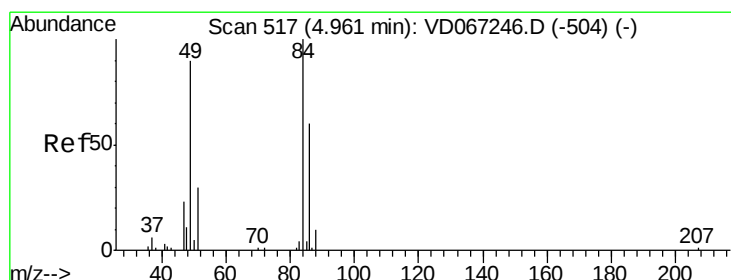
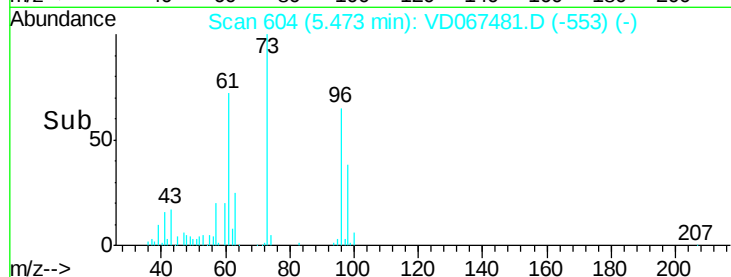
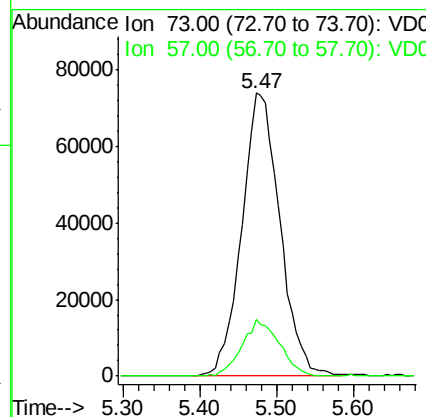
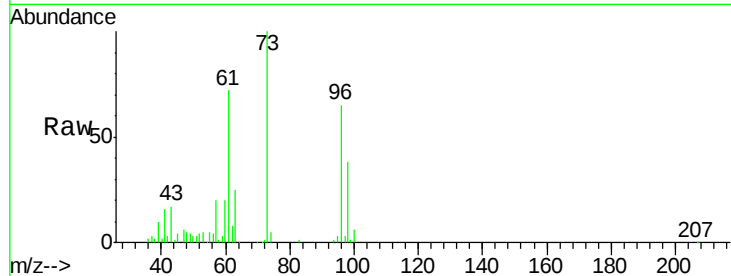
#19
Methvl tert-butvl Ether
Concen: 53.919 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD067481.D
Acq: 30 Oct 2020 19:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 255893
Ion Ratio Lower Upper
73 100
57 20.2 15.7 23.5

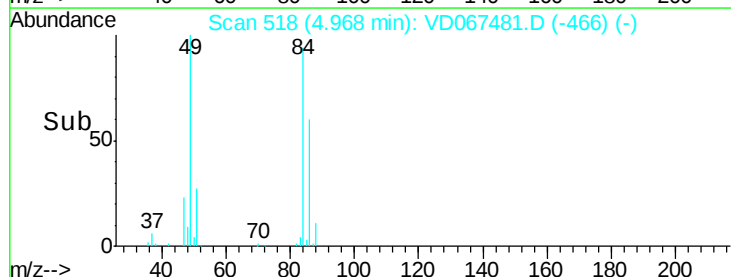
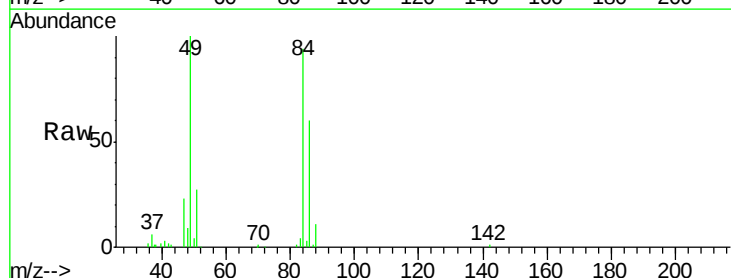
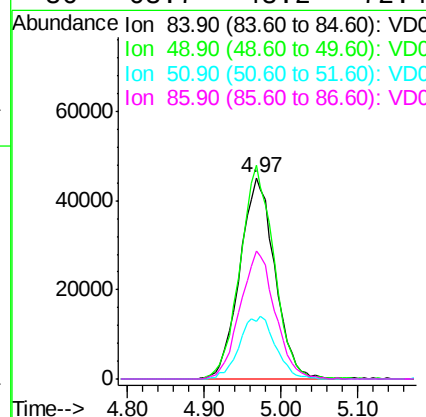
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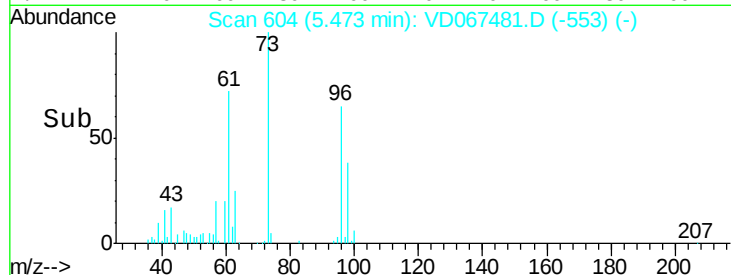
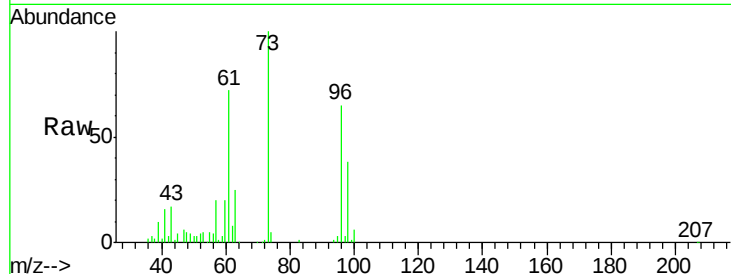
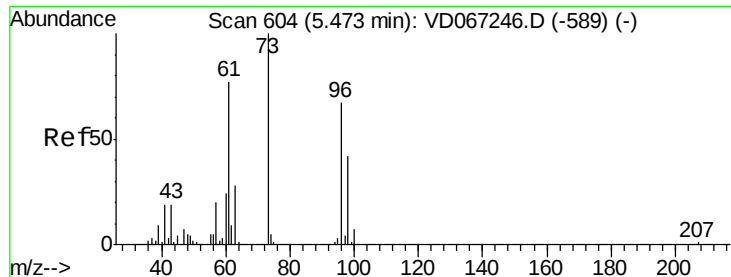
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#20
Methylene Chloride
Concen: 55.853 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067481.D
Acq: 30 Oct 2020 19:21

Tgt Ion: 84 Resp: 143806
Ion Ratio Lower Upper
84 100
49 106.2 72.2 108.2
51 28.9 23.8 35.8
86 63.7 48.2 72.4





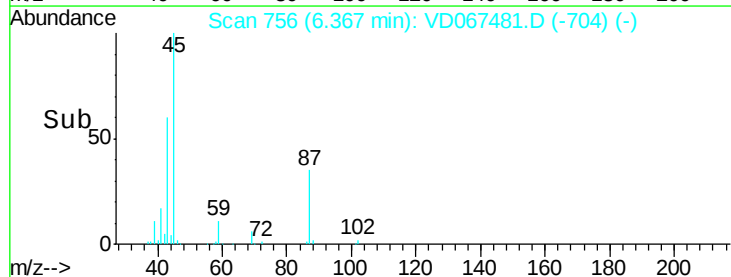
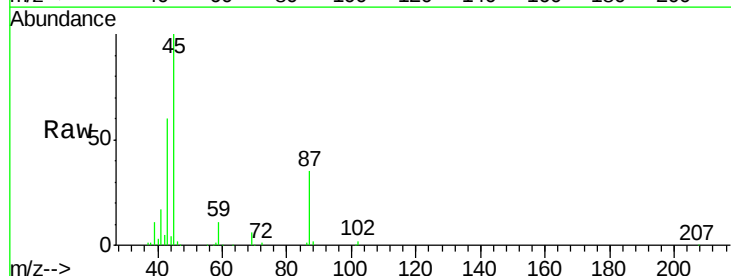
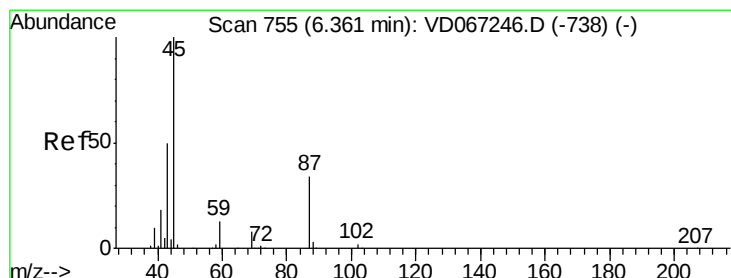
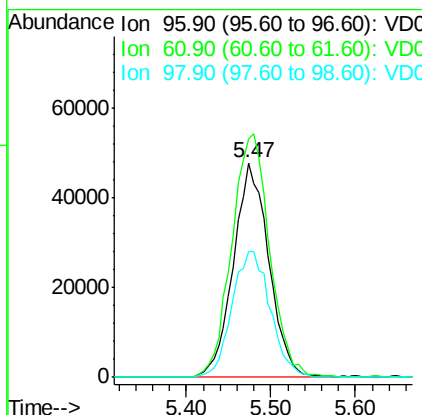
#21
trans-1,2-Dichloroethene
Concen: 50.460 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD067481.D
Acq: 30 Oct 2020 19:21

Tot Ion	Ratio	Resp	Lower	Upper
96	100	138596		
61	111.4	92.0	138.0	
98	58.9	49.8	74.8	

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

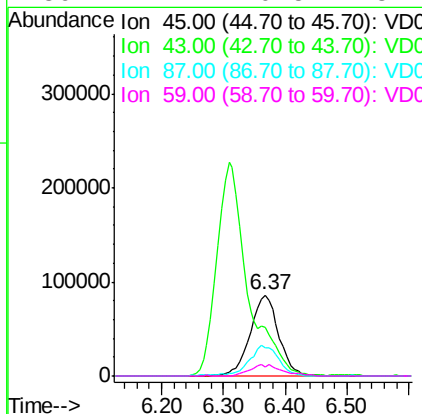
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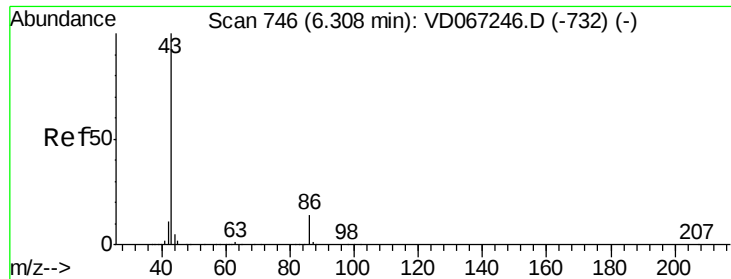
MMDadoda
11/2/2020 4:09:38 PM



#22
Diisopropyl ether
Concen: 55.221 ug/l
RT: 6.37 min Scan# 756
Delta R.T. 0.01 min
Lab File: VD067481.D
Acq: 30 Oct 2020 19:21

Tgt Ion	Ratio	Resp	Lower	Upper
45	100	275725		
43	59.1	48.0	72.0	
87	35.1	28.5	42.7	
59	11.4	10.5	15.7	





#23

Vinyl Acetate

Concen: 276.481 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD067481.D

Acq: 30 Oct 2020 19:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 785400

Ion Ratio Lower Upper

43 100

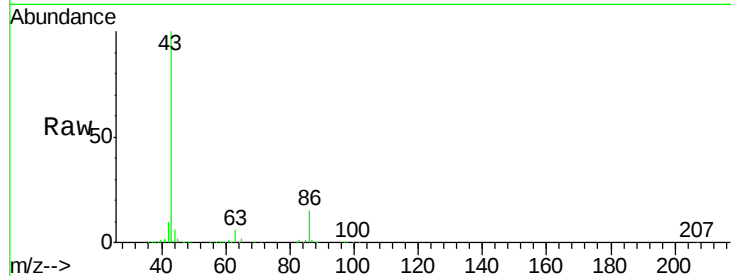
86 14.8 11.0 16.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

250000

200000

150000

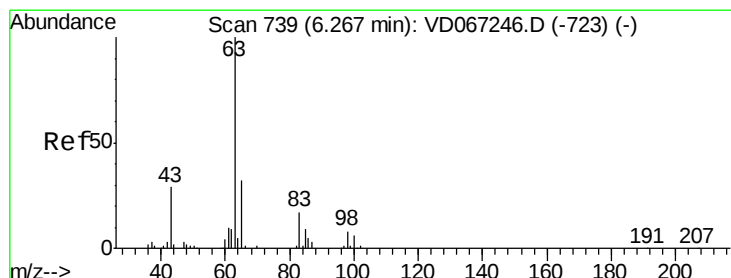
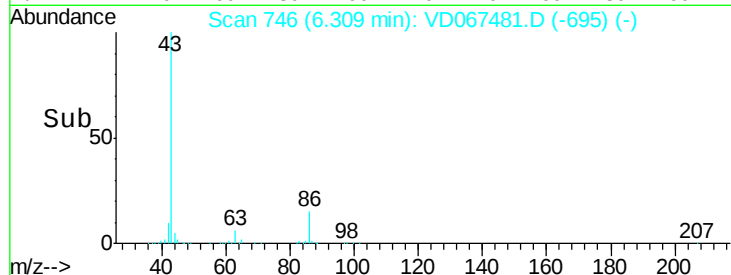
100000

50000

0

6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 52.977 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD067481.D

Acq: 30 Oct 2020 19:21

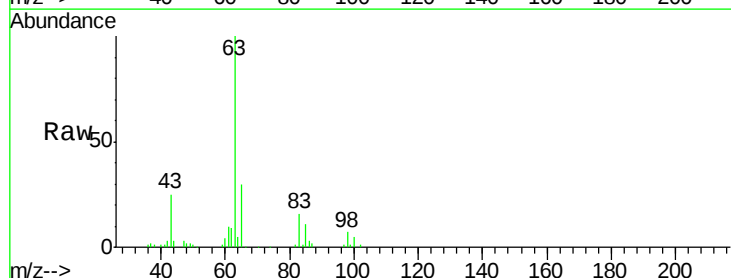
Tgt Ion: 63 Resp: 226432

Ion Ratio Lower Upper

63 100

98 7.0 4.0 12.2

100 5.1 2.8 8.4



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

100000

80000

60000

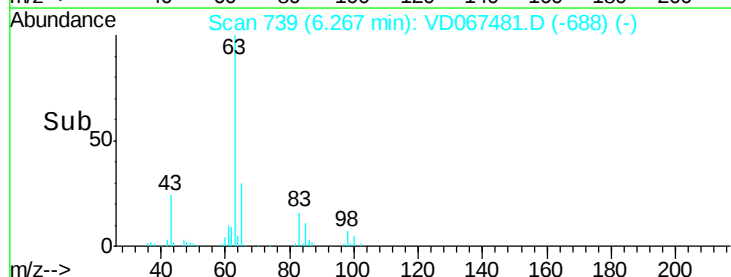
40000

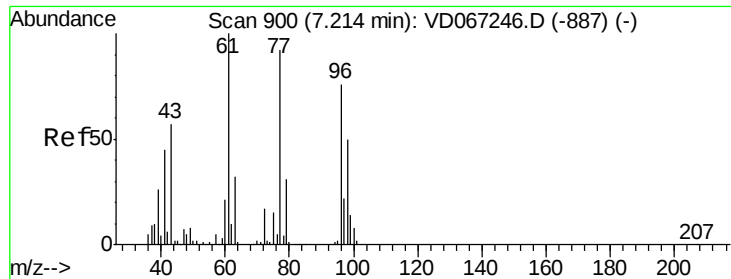
20000

0

6.10 6.20 6.30 6.40

Time-->





#25

2-Butanone

Concen: 262.580 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067481.D

Acq: 30 Oct 2020 19:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 121453

Ion Ratio Lower Upper

43 100

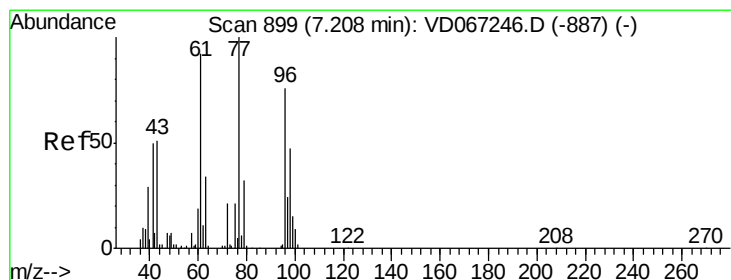
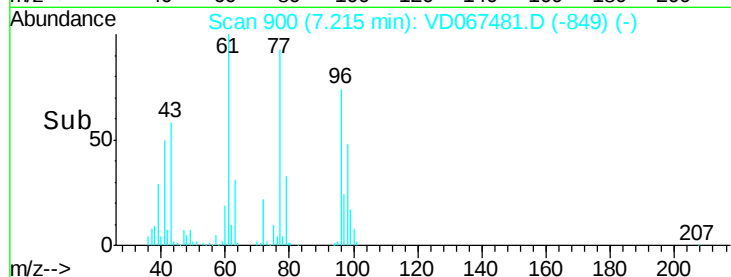
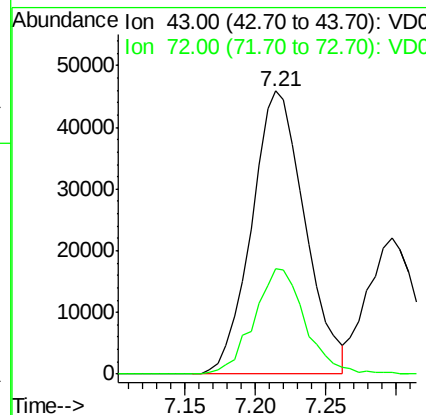
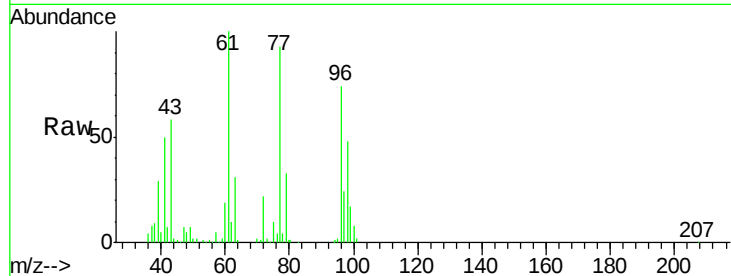
72 37.1 23.7 35.5#

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 52.485 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD067481.D

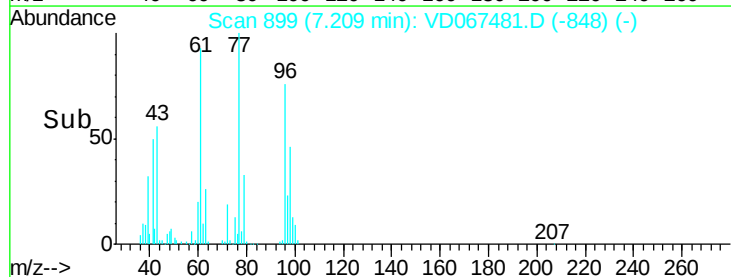
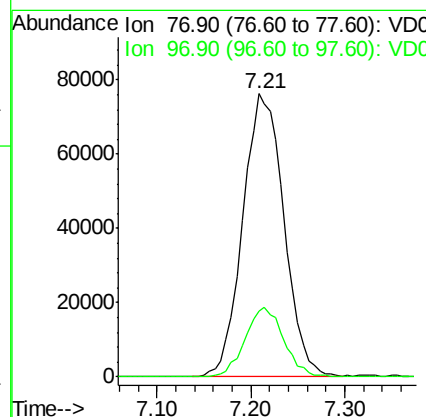
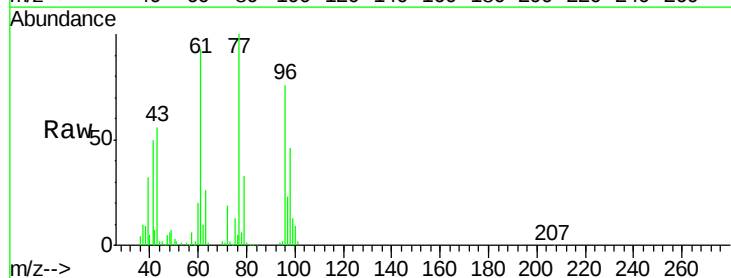
Acq: 30 Oct 2020 19:21

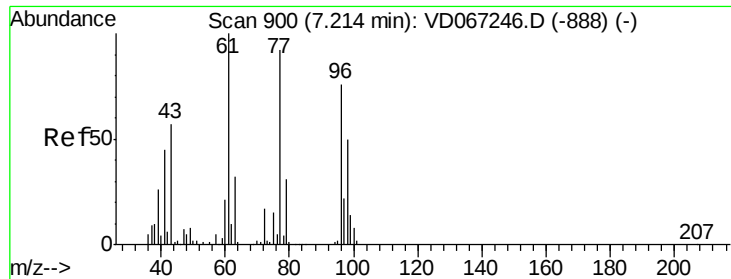
Tgt Ion: 77 Resp: 231224

Ion Ratio Lower Upper

77 100

97 23.0 11.4 34.2





#27

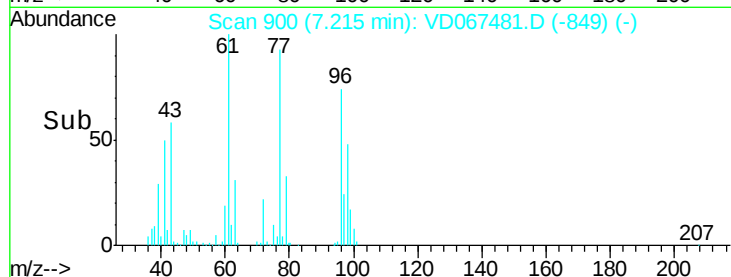
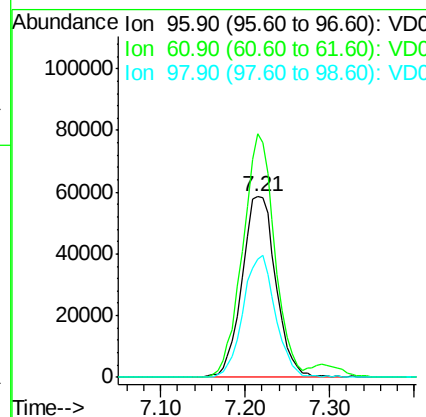
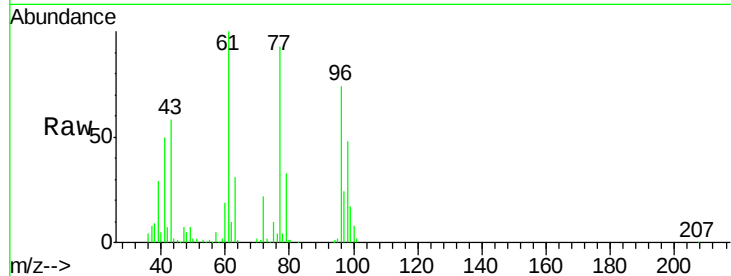
cis-1,2-Dichloroethene
 Concen: 54.002 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD067481.D
 Acq: 30 Oct 2020 19:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	162560		
61	127.2		0.0	255.4
98	64.3		0.0	128.0

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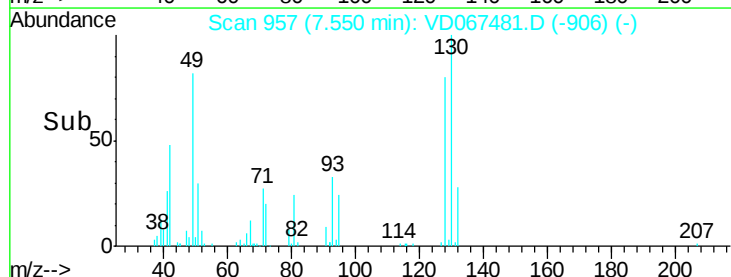
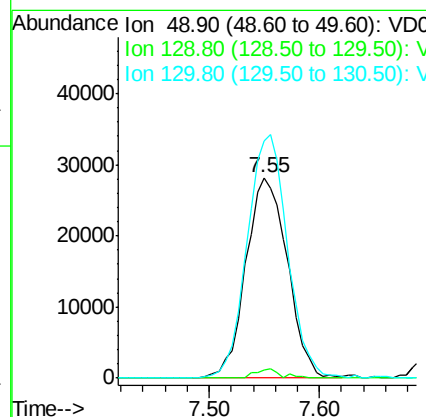
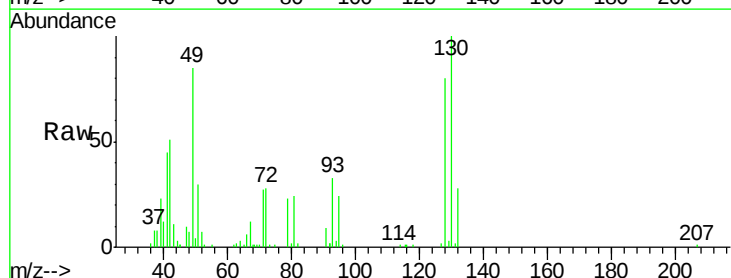
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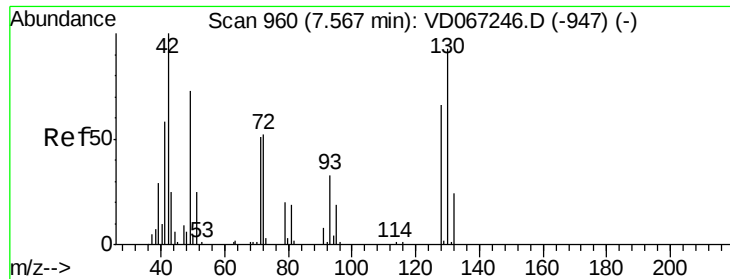


#28

Bromochloromethane
 Concen: 51.169 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD067481.D
 Acq: 30 Oct 2020 19:21

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	74597		
129	2.2		0.0	1.6#
130	117.8		91.0	136.6





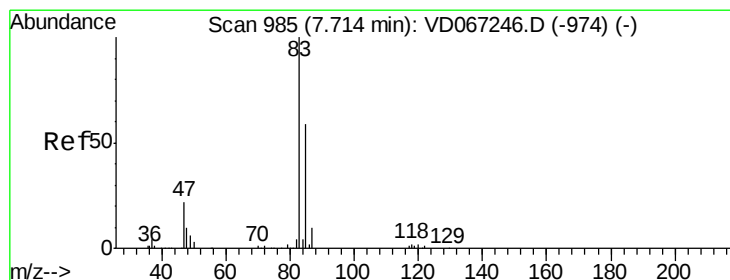
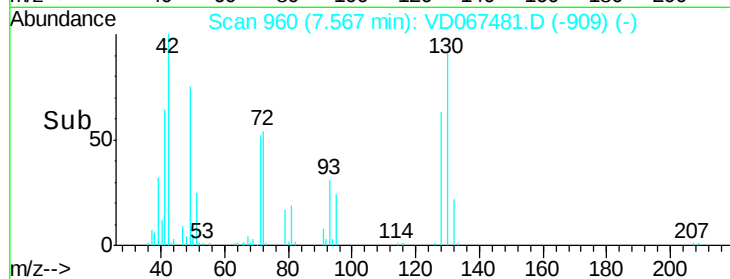
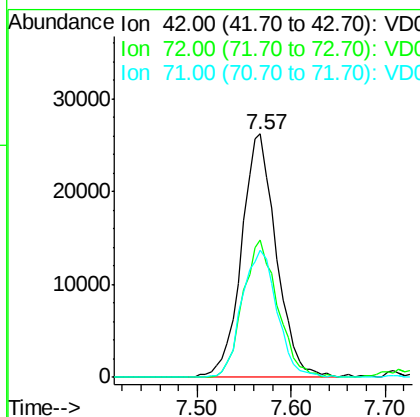
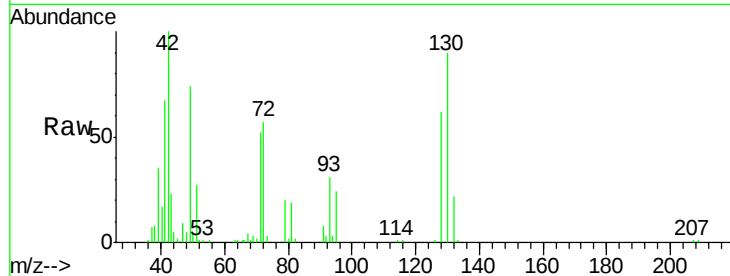
#29
Tetrahydrofuran
Concen: 261.354 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.00 min
Lab File: VD067481.D
Acq: 30 Oct 2020 19:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	56.3	43.2	64.8
71	52.9	39.4	59.0

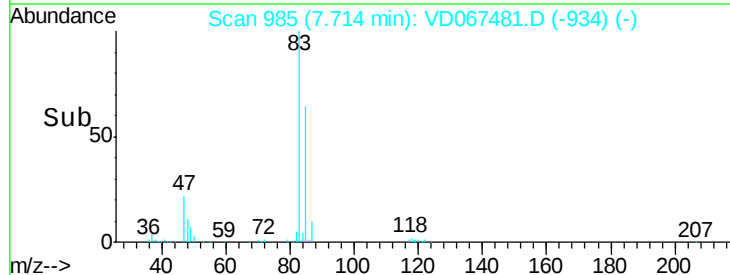
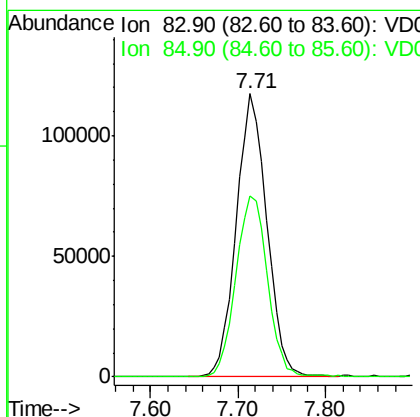
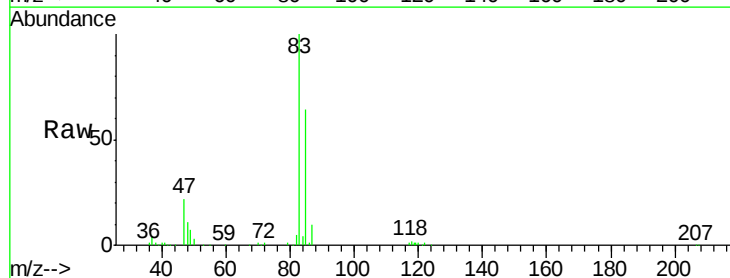
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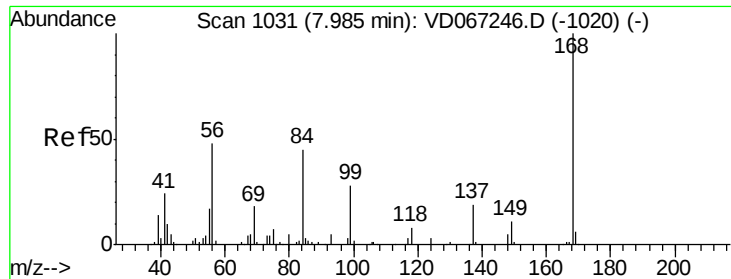
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#30
Chloroform
Concen: 54.306 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD067481.D
Acq: 30 Oct 2020 19:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	47.3	70.9





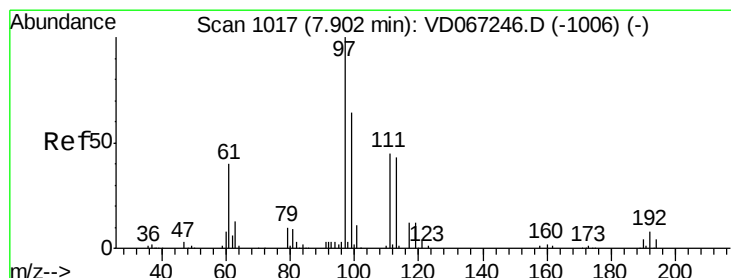
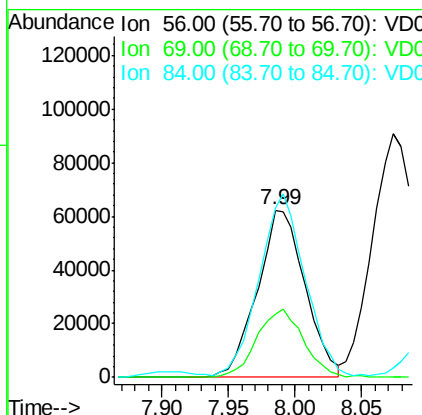
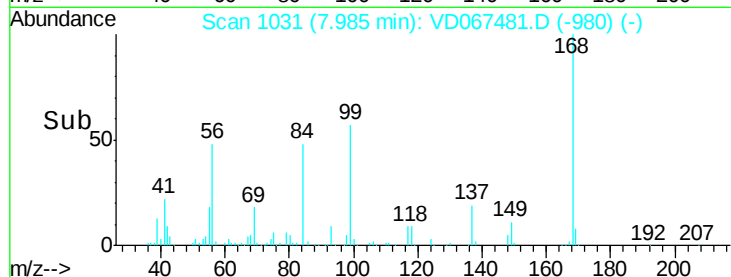
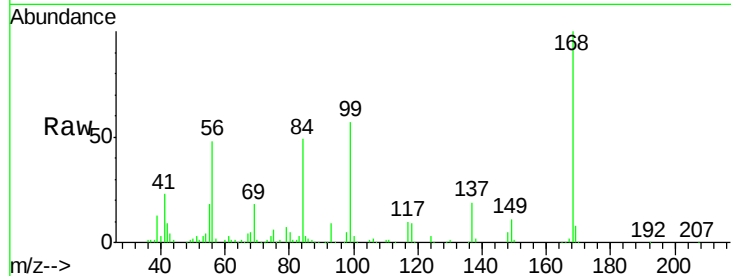
#31
Cyclohexane
Concen: 46.466 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067481.D
Acq: 30 Oct 2020 19:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.7	29.8	44.6
84	99.1	76.6	114.8

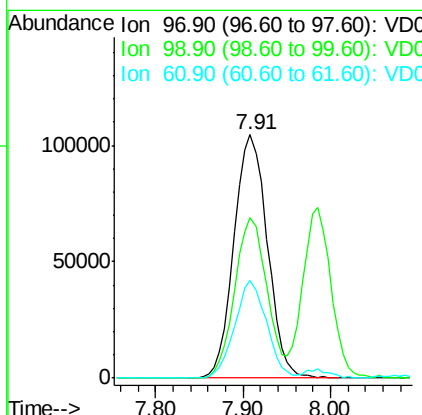
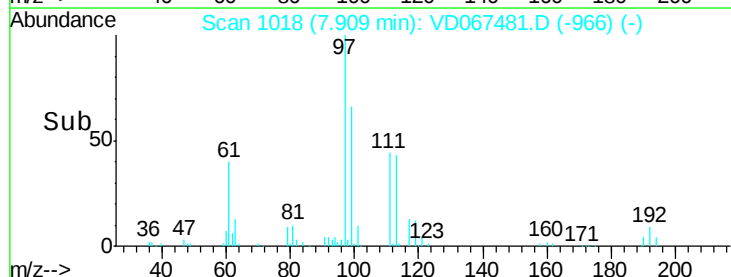
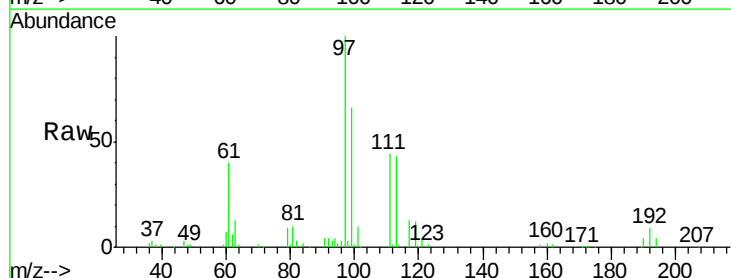
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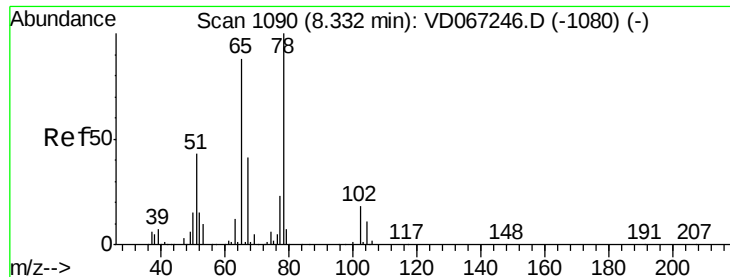
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#32
1,1,1-Trichloroethane
Concen: 54.082 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VD067481.D
Acq: 30 Oct 2020 19:21

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	50.2	75.4
61	38.2	30.5	45.7





#33

1,2-Dichloroethane-d4

Concen: 49.815 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD067481.D

Acq: 30 Oct 2020 19:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 144330

Ion Ratio Lower Upper

65 100

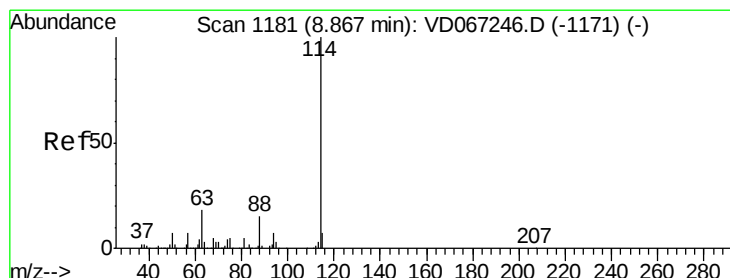
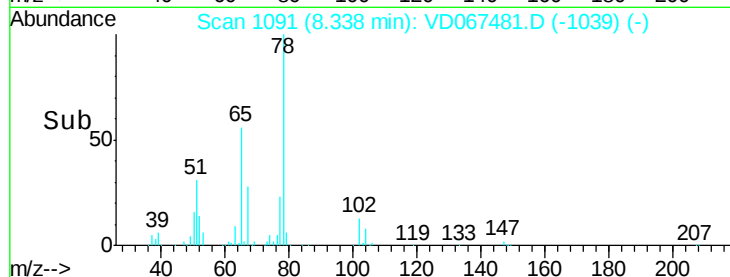
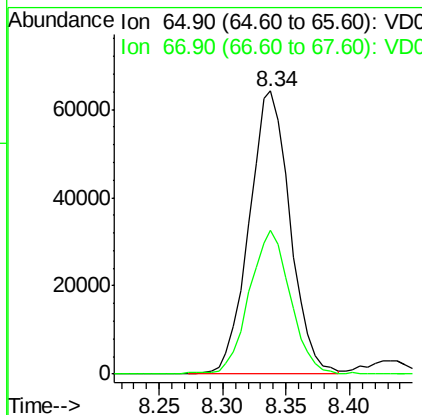
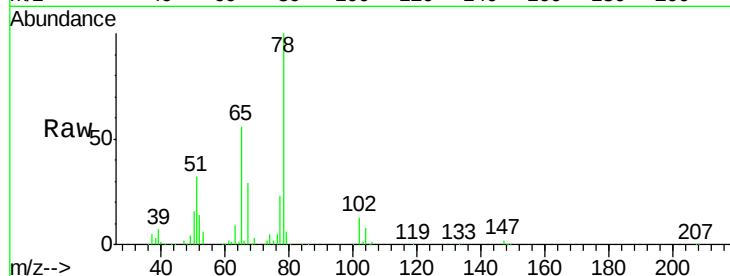
67 49.5 0.0 103.8

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD067481.D

Acq: 30 Oct 2020 19:21

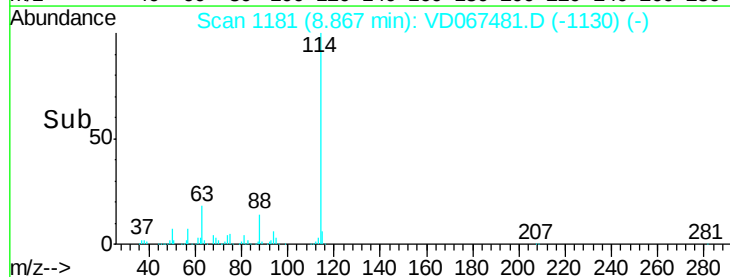
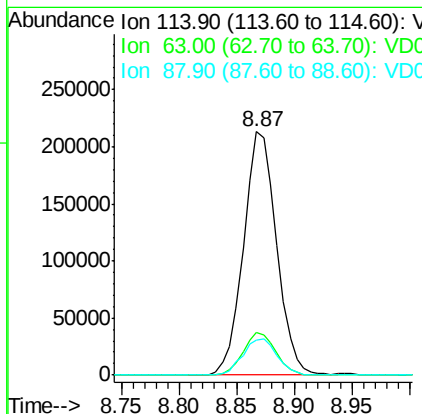
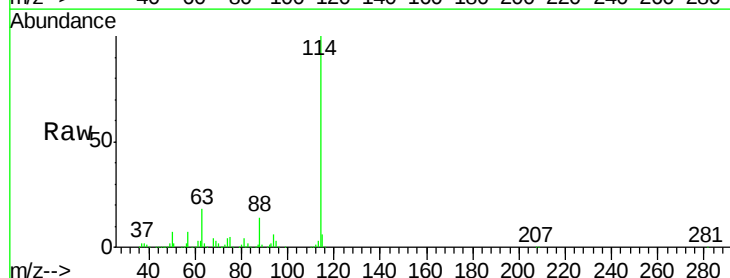
Tgt Ion: 114 Resp: 426790

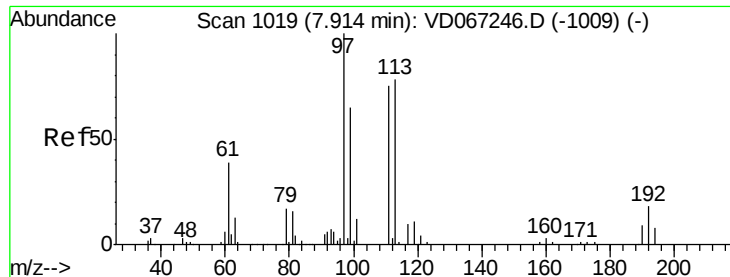
Ion Ratio Lower Upper

114 100

63 17.7 0.0 35.0

88 14.3 0.0 30.6





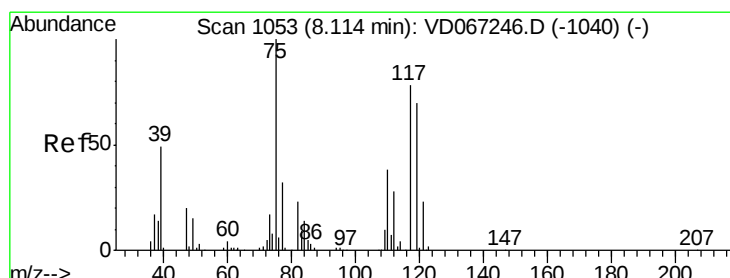
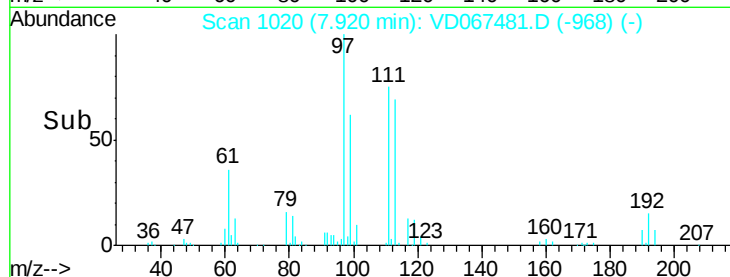
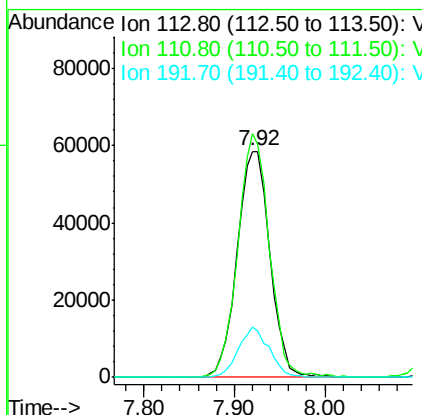
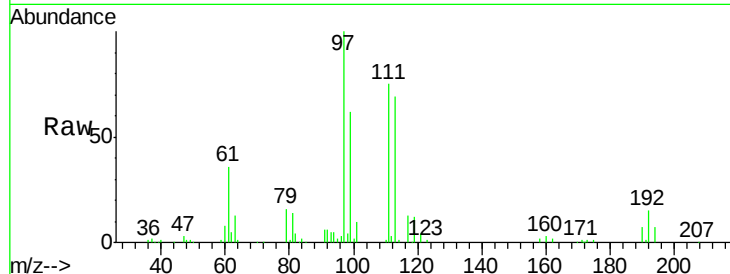
#35
Dibromofluoromethane
Concen: 51.742 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD067481.D
Acq: 30 Oct 2020 19:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	146963		
111	103.5	81.6	122.4	
192	20.9	17.0	25.4	

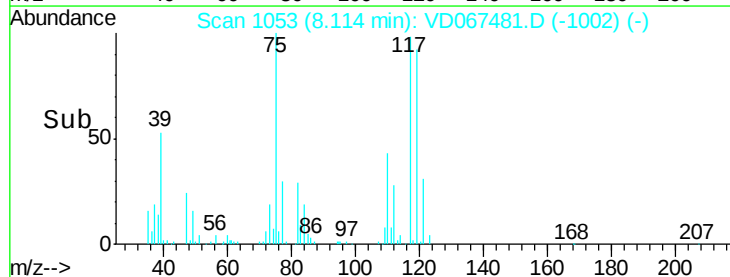
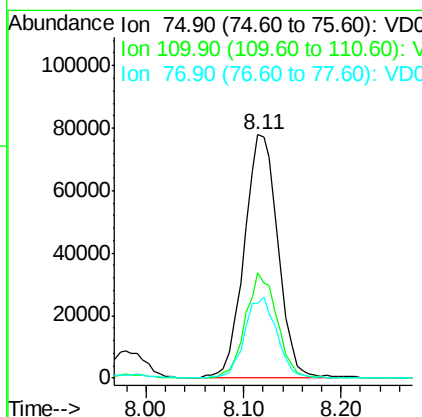
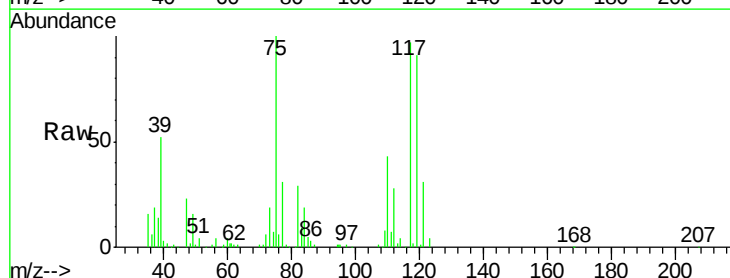
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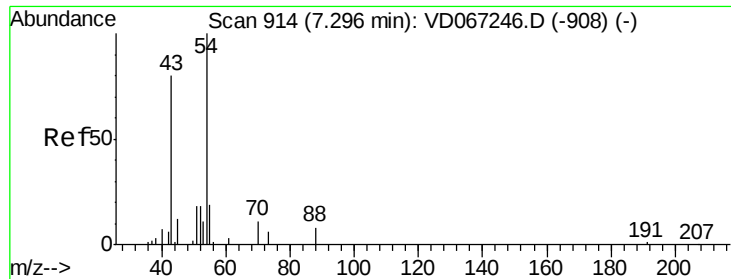
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#36
1,1-Dichloropropene
Concen: 51.898 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD067481.D
Acq: 30 Oct 2020 19:21

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	187731		
110	40.2	19.6	58.7	
77	31.8	24.6	37.0	





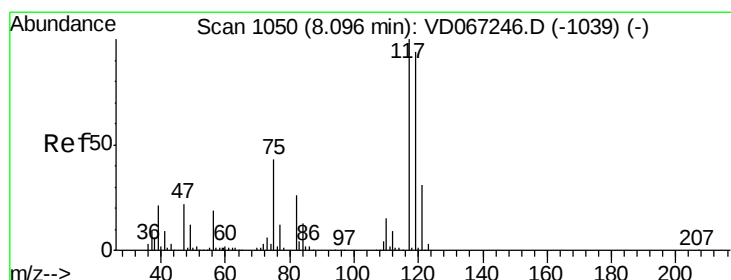
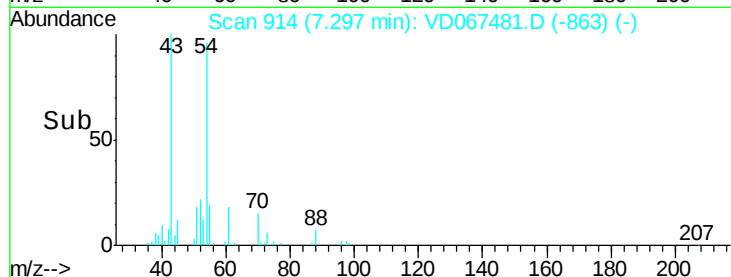
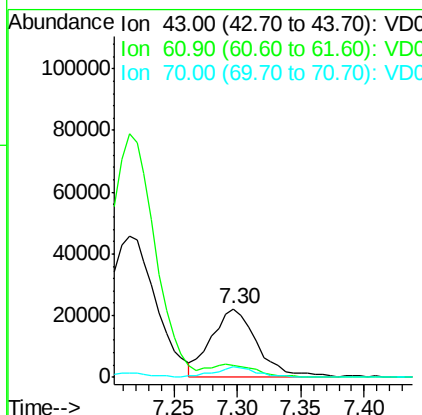
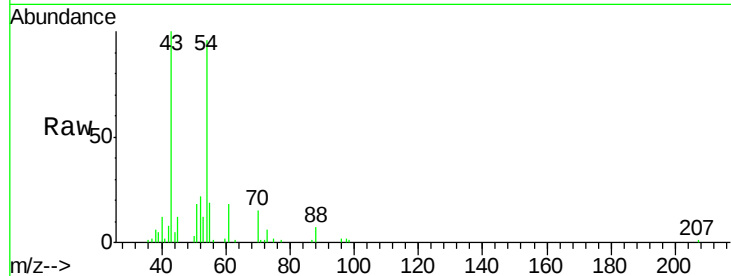
#37
Ethyl Acetate
Concen: 51.335 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD067481.D
Acq: 30 Oct 2020 19:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.0	15.6	23.4
70	13.7	10.4	15.6

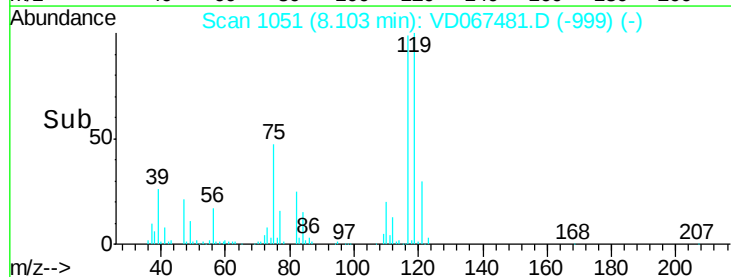
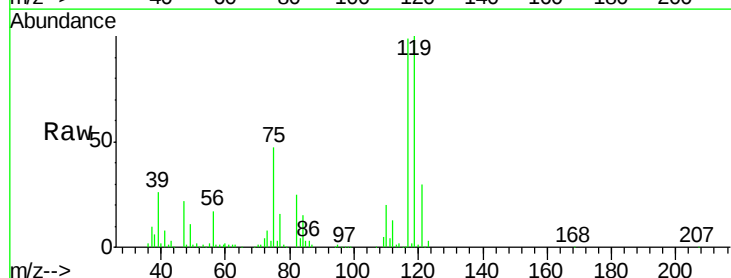
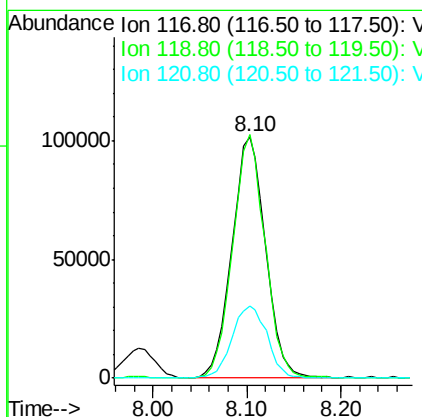
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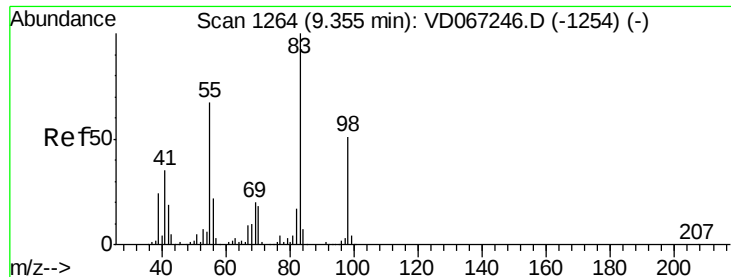
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#38
Carbon Tetrachloride
Concen: 54.182 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD067481.D
Acq: 30 Oct 2020 19:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	101.1	75.0	112.4
121	30.0	24.9	37.3





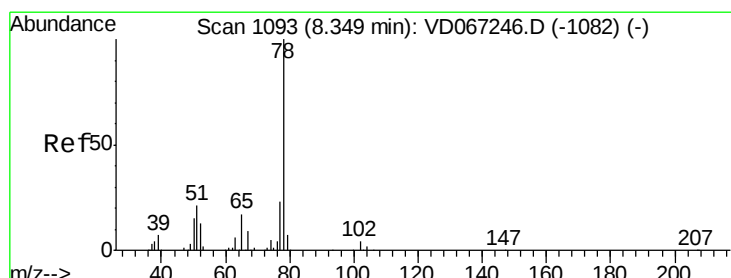
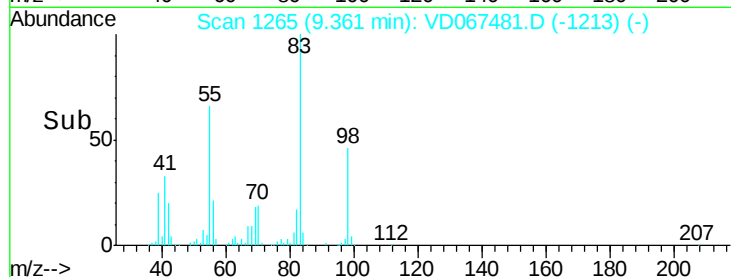
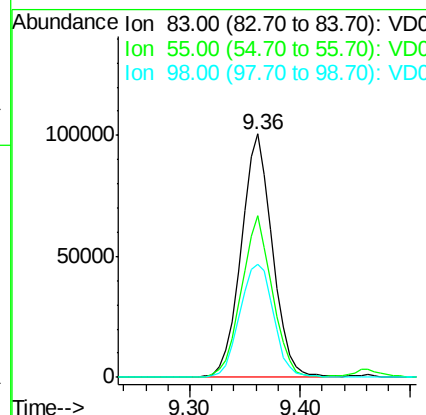
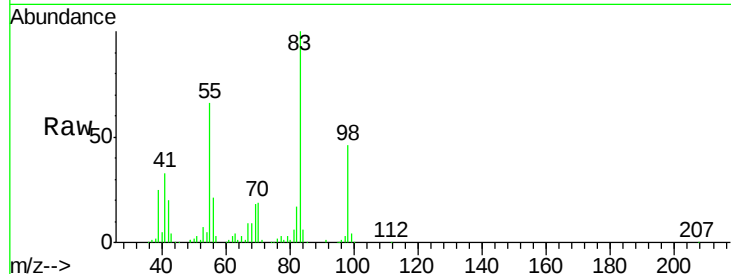
#39
Methvlcvclohexane
Concen: 53.029 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD067481.D
Acq: 30 Oct 2020 19:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	200536		
55	66.2	53.3	79.9	
98	46.4	41.0	61.4	

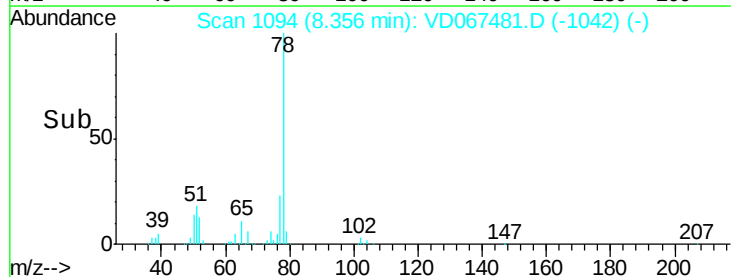
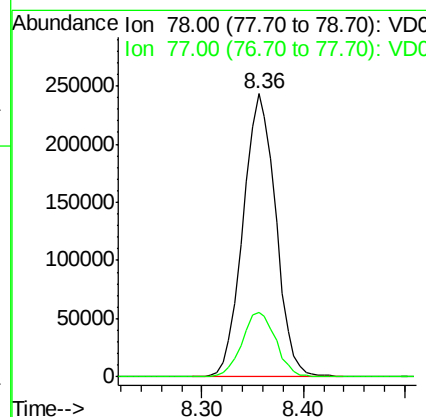
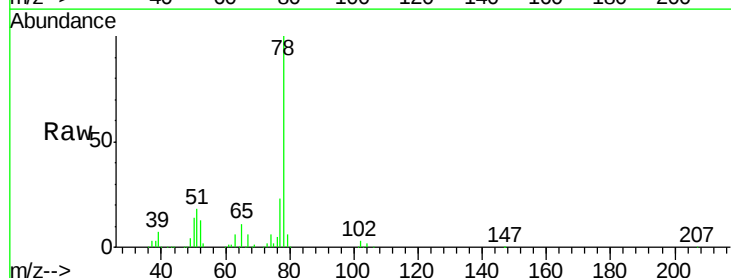
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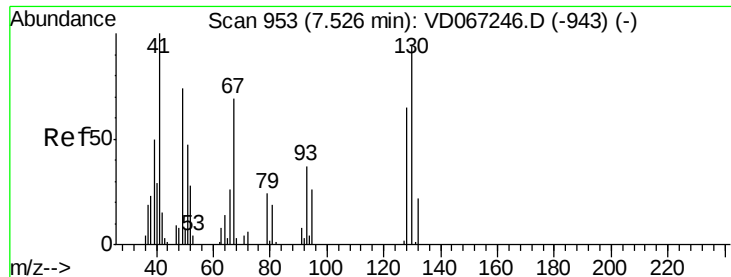
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#40
Benzene
Concen: 55.005 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD067481.D
Acq: 30 Oct 2020 19:21

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	545861		
77	22.7	18.3	27.5	





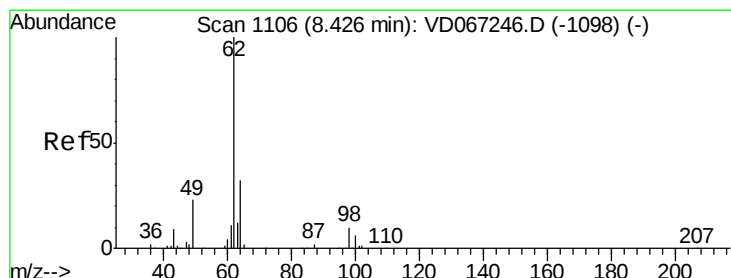
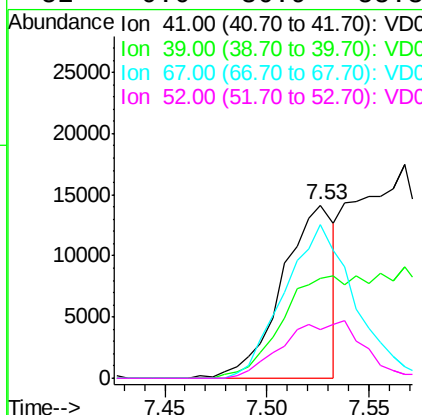
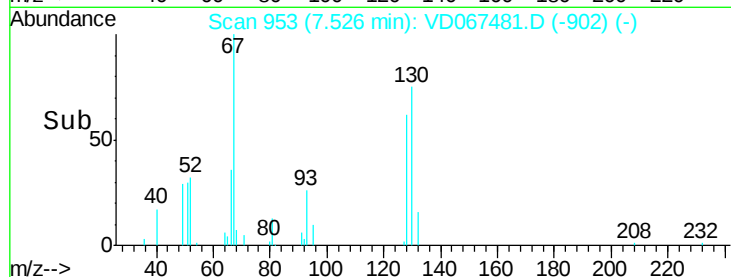
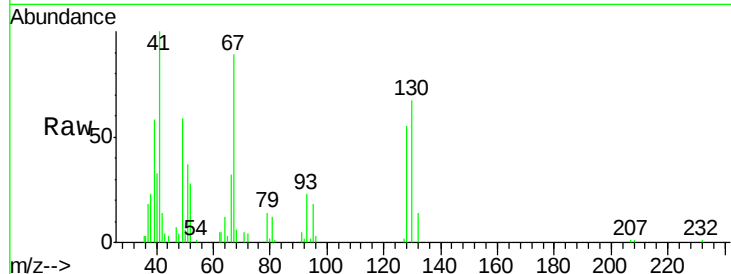
#41
Methacrylonitrile
Concen: 43.864 ug/l m
RT: 7.53 min Scan# 953
Delta R.T. 0.00 min
Lab File: VD067481.D
Acq: 30 Oct 2020 19:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	60.0	90.0#
67	0.0	88.9	133.3#
52	0.0	36.9	55.3#

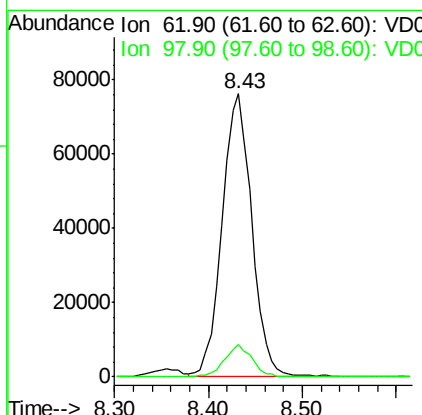
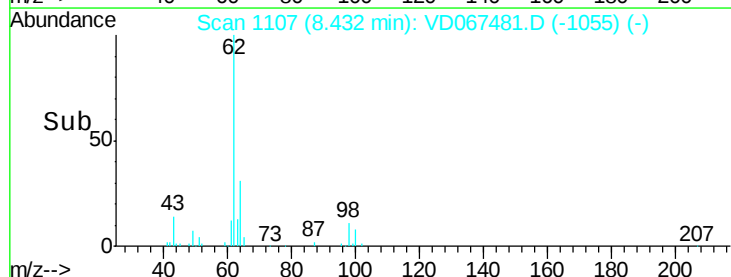
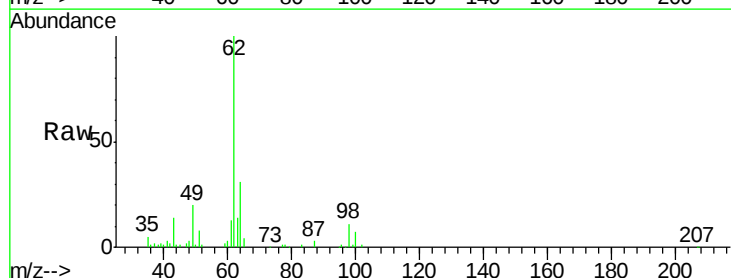
Manual Integrations
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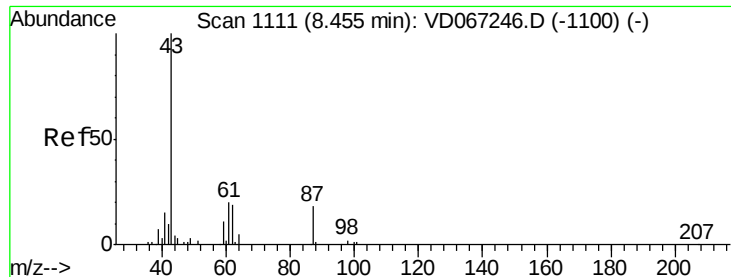
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#42
1,2-Dichloroethane
Concen: 54.003 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD067481.D
Acq: 30 Oct 2020 19:21

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	19.4





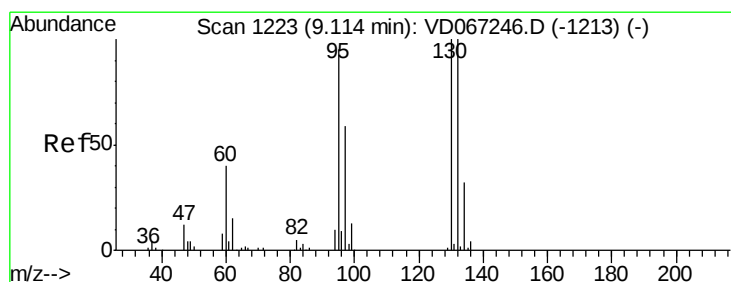
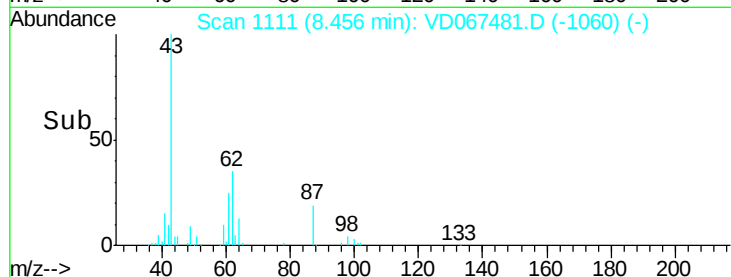
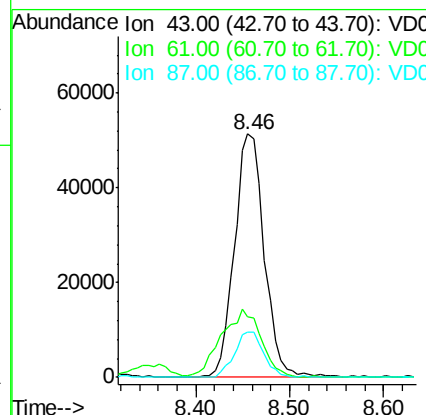
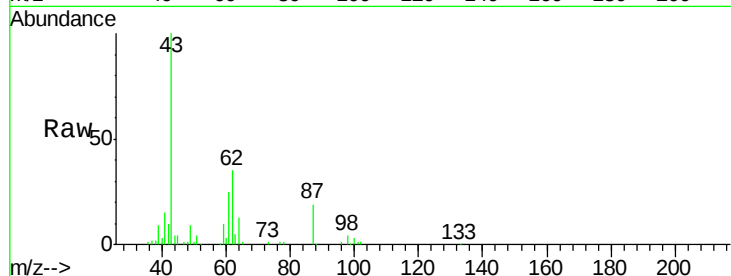
#43
Isopropyl Acetate
Concen: 53.457 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD067481.D
Acq: 30 Oct 2020 19:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	37.7	29.5	44.3
87	18.4	14.2	21.4

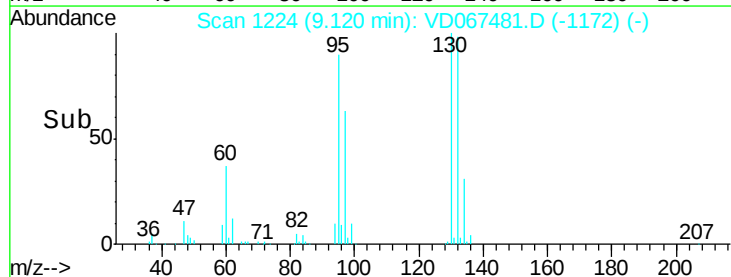
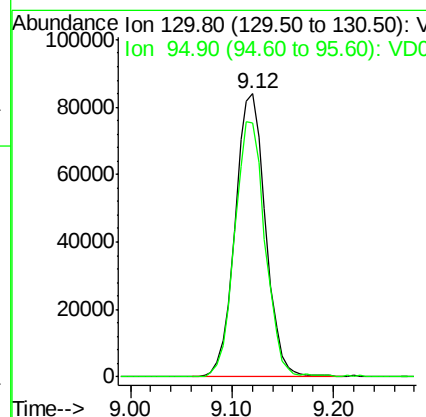
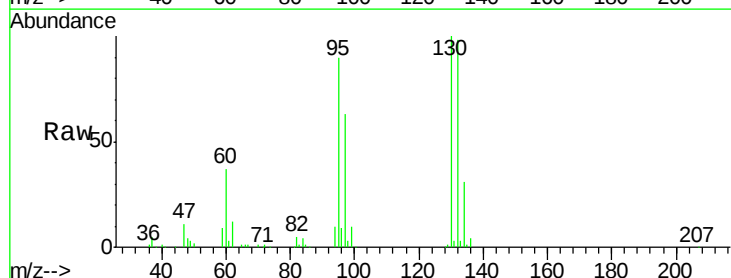
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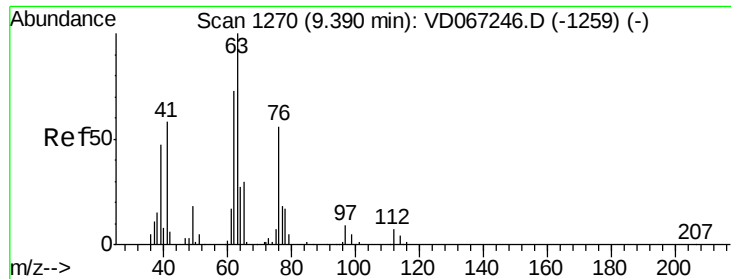
MMDadoda
11/2/2020 4:09:38 PM



#44
Trichloroethene
Concen: 55.064 ug/l
RT: 9.12 min Scan# 1224
Delta R.T. 0.01 min
Lab File: VD067481.D
Acq: 30 Oct 2020 19:21

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.6	0.0	190.6





#45

1,2-Dichloropropane

Concen: 53.252 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD067481.D

Acq: 30 Oct 2020 19:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 122475

Ion Ratio Lower Upper

63 100

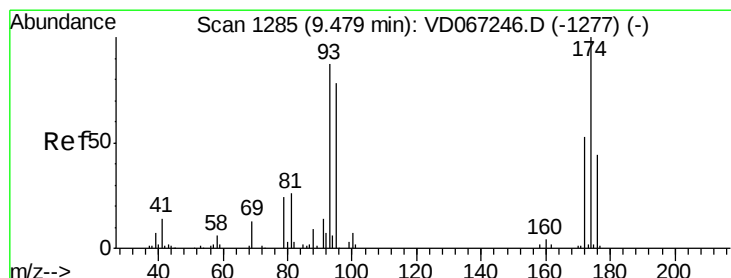
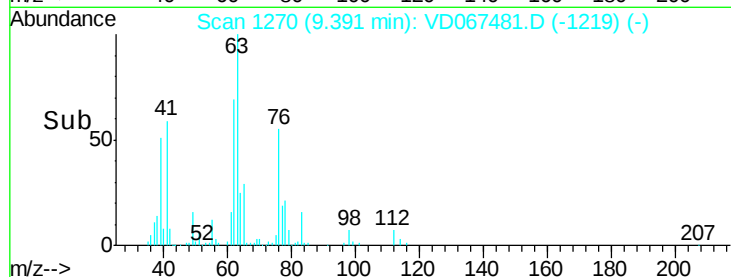
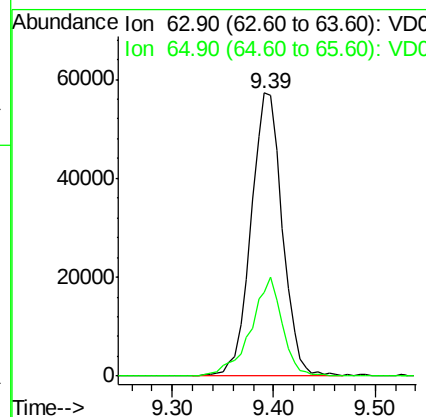
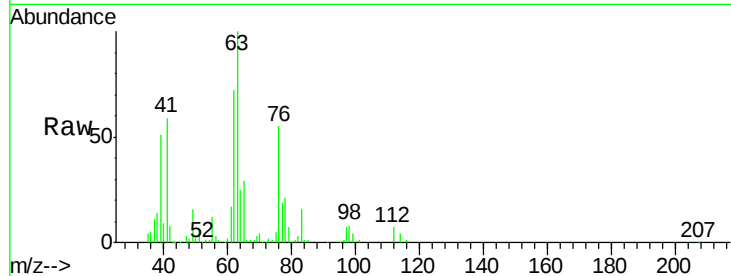
65 29.4 24.6 36.8

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#46

Dibromomethane

Concen: 52.357 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD067481.D

Acq: 30 Oct 2020 19:21

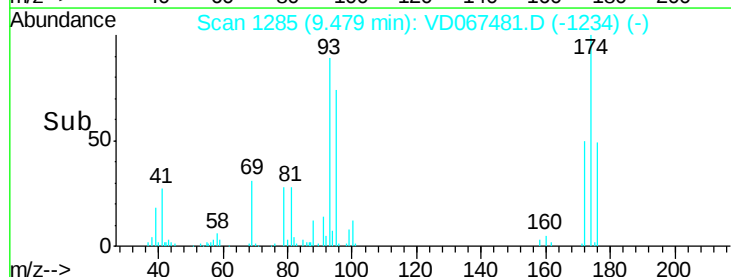
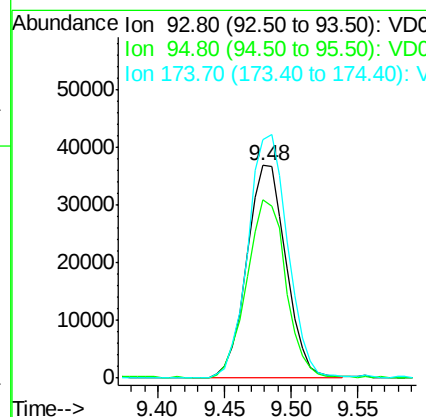
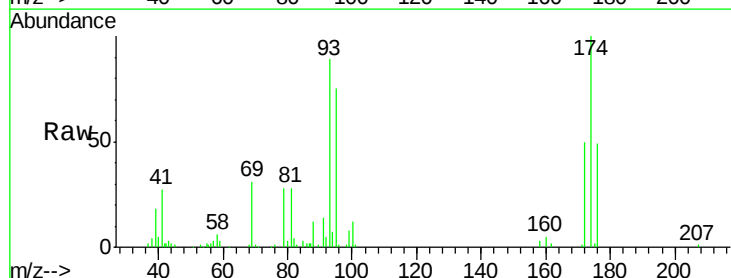
Tgt Ion: 93 Resp: 75025

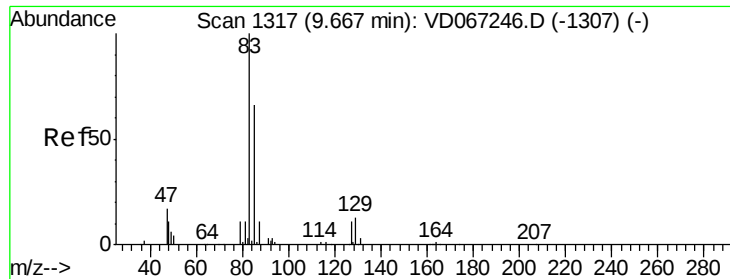
Ion Ratio Lower Upper

93 100

95 83.5 68.0 102.0

174 115.8 91.8 137.6





#47

Bromodichloromethane

Concen: 56.058 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD067481.D

Acq: 30 Oct 2020 19:21

Instrument :

MSVOA_D

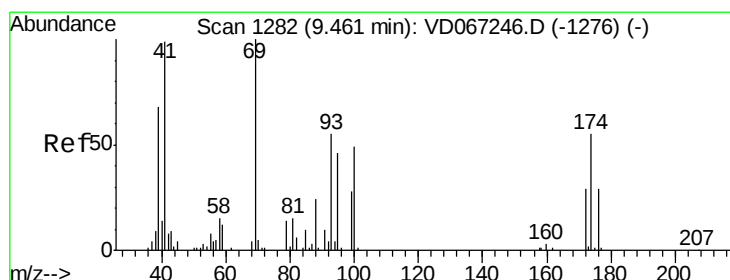
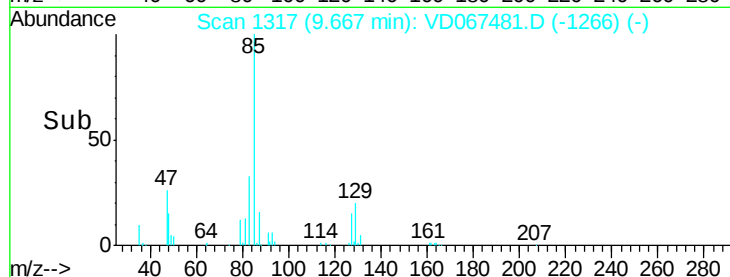
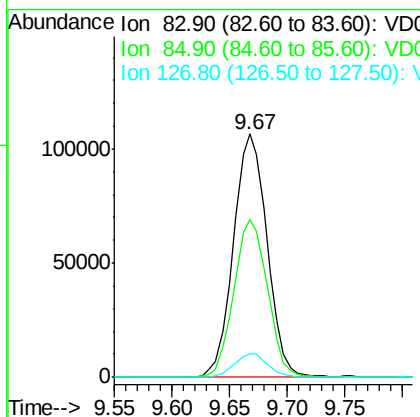
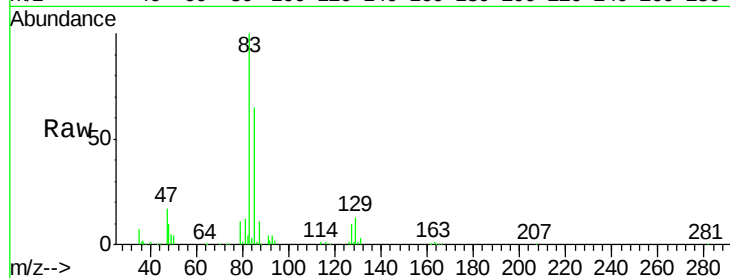
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	215218
Ion	Ratio	Lower	Upper
83	100		
85	65.0	53.1	79.7
127	9.6	8.6	13.0

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#48

Methyl methacrylate

Concen: 52.930 ug/l

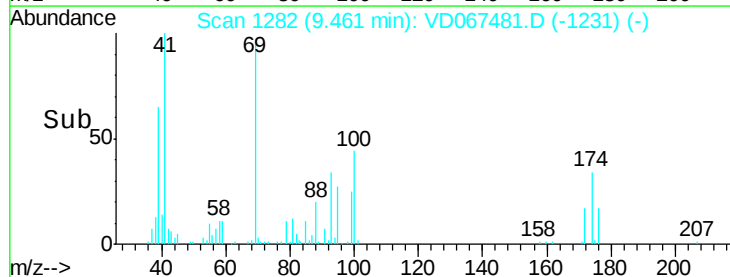
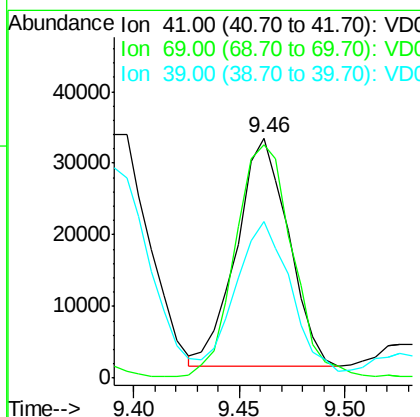
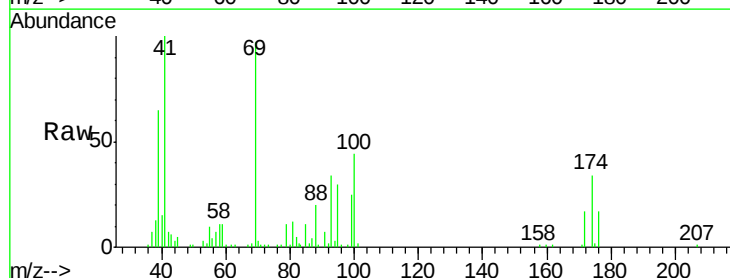
RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD067481.D

Acq: 30 Oct 2020 19:21

Tgt Ion:	41	Resp:	54321
Ion	Ratio	Lower	Upper
41	100		
69	112.2	89.0	133.6
39	74.3	60.2	90.2





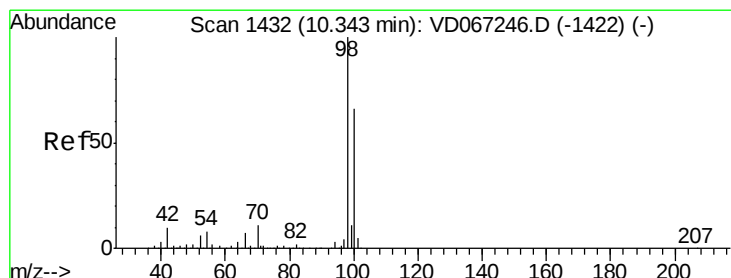
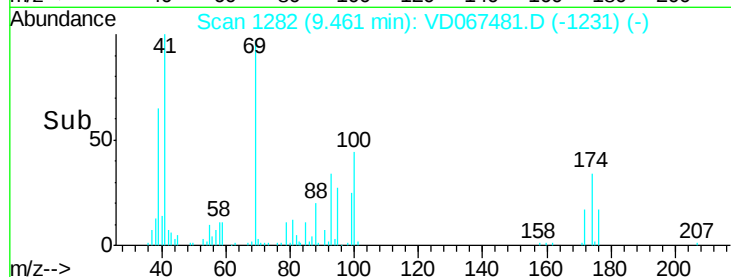
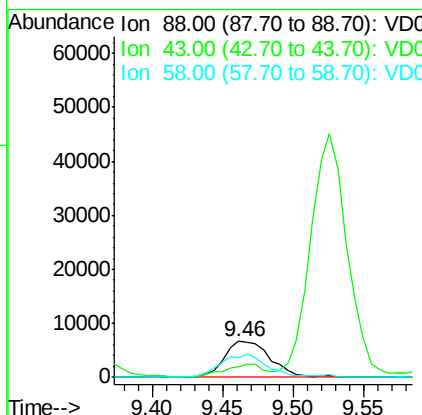
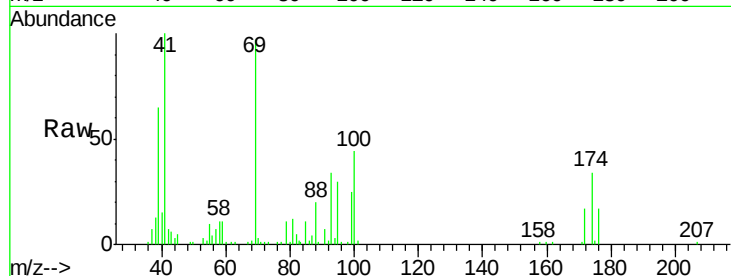
#49
1,4-Dioxane
Concen: 1098.157 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD067481.D
Acq: 30 Oct 2020 19:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.3	23.9	35.9
58	64.1	51.0	76.6

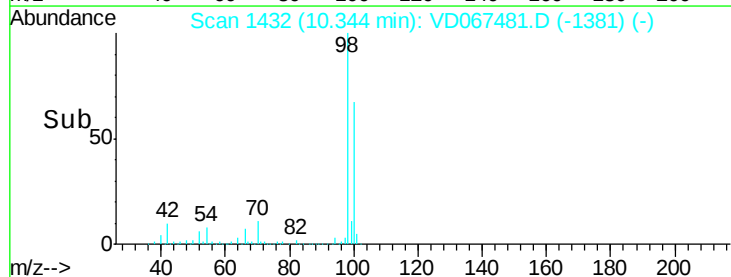
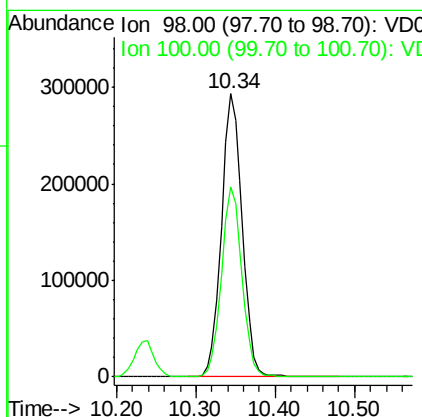
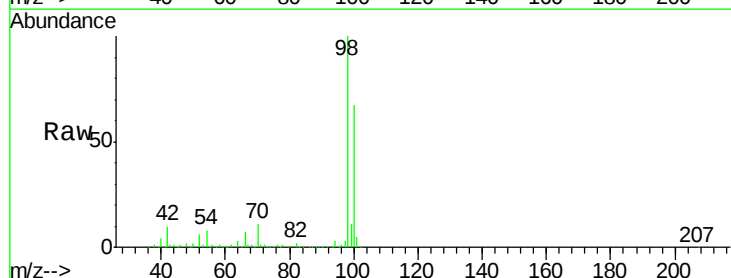
Manual Integrations
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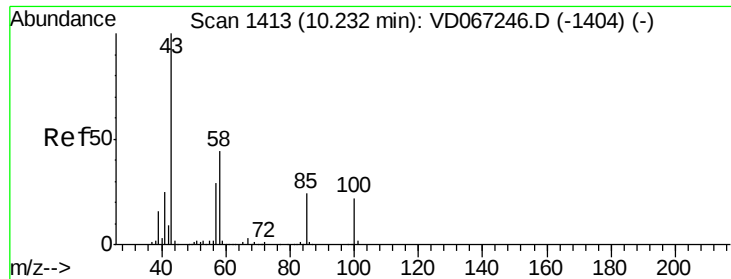
MMDadoda
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#50
Toluene-d8
Concen: 51.526 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067481.D
Acq: 30 Oct 2020 19:21

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.1	79.7





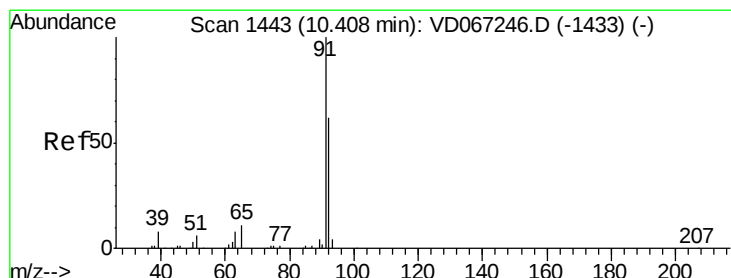
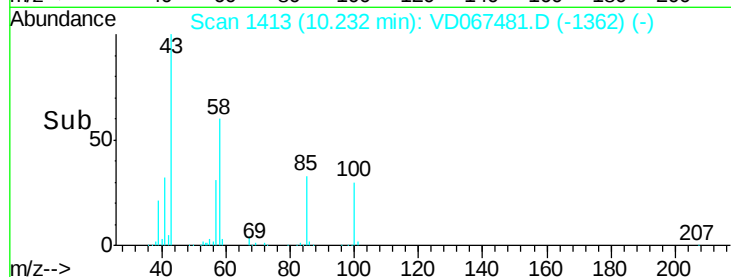
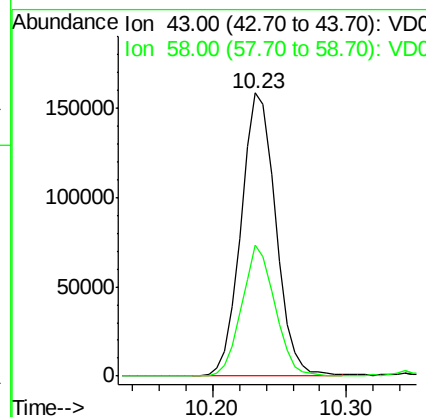
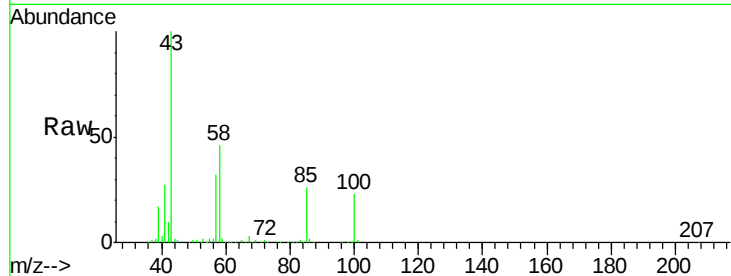
#51
4-Methyl-2-Pentanone
Concen: 270.454 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD067481.D
Acq: 30 Oct 2020 19:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 284872
Ion Ratio Lower Upper
43 100
58 44.2 35.7 53.5

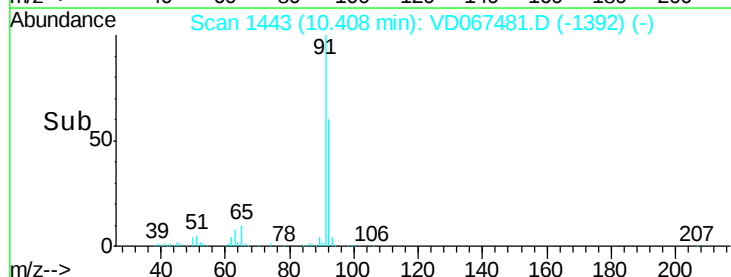
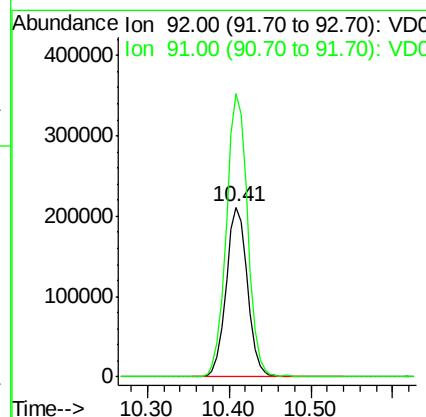
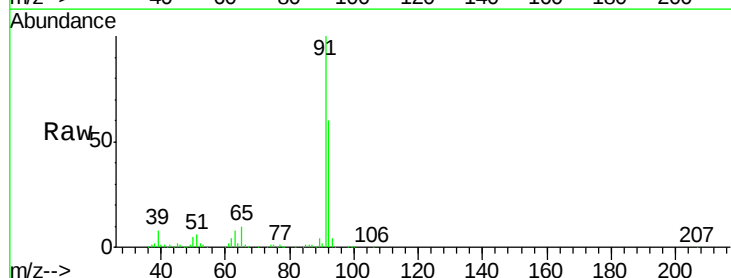
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#52
Toluene
Concen: 56.469 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD067481.D
Acq: 30 Oct 2020 19:21

Tgt Ion: 92 Resp: 381676
Ion Ratio Lower Upper
92 100
91 167.3 133.8 200.8





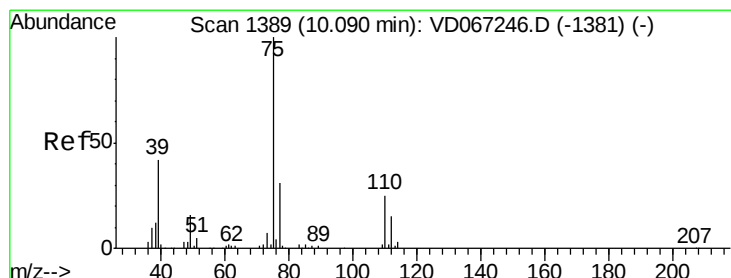
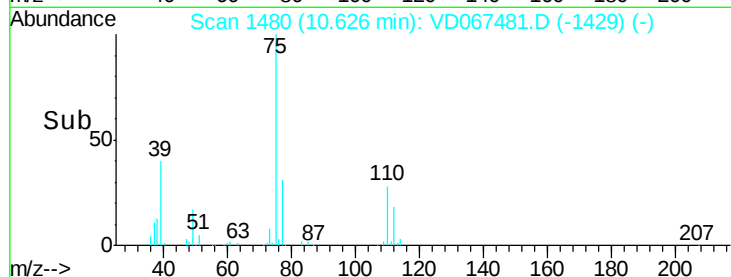
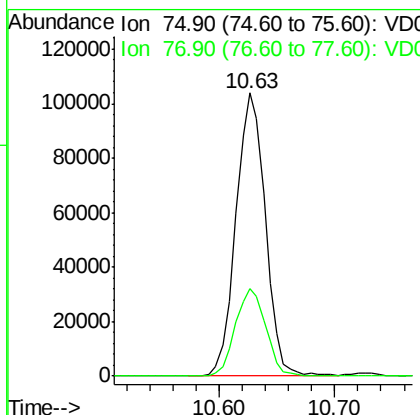
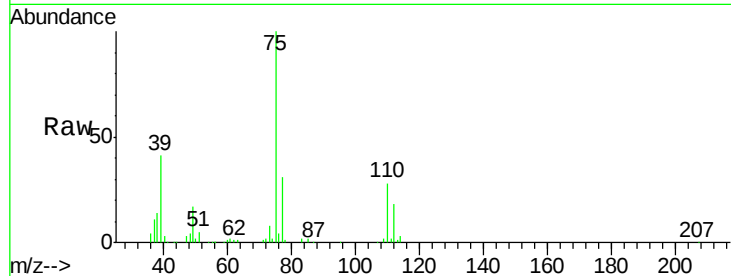
#53
t-1,3-Dichloropropene
Concen: 54.279 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD067481.D
Acq: 30 Oct 2020 19:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	26.5	39.7

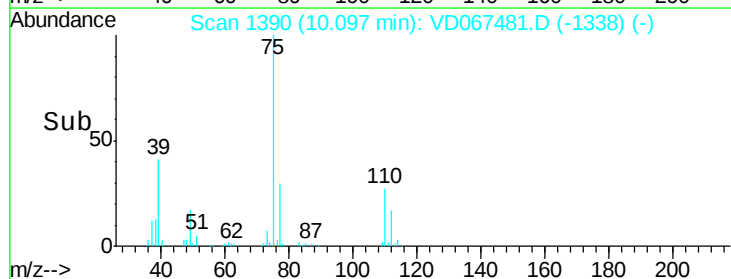
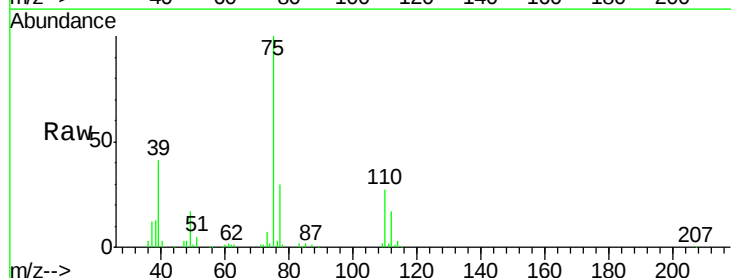
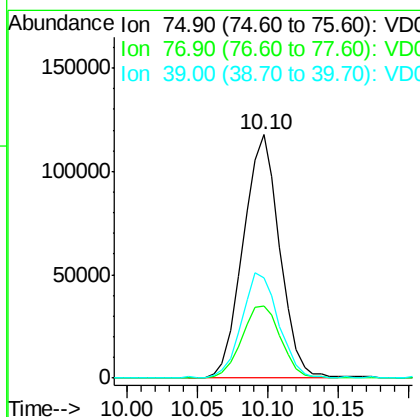
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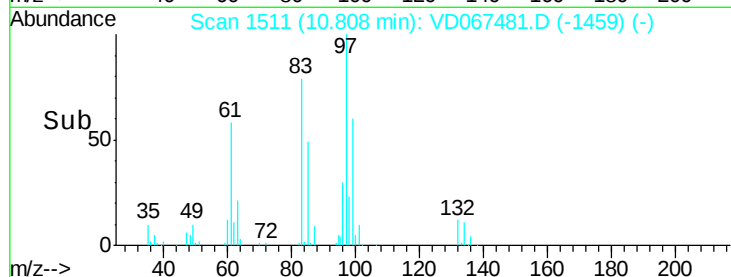
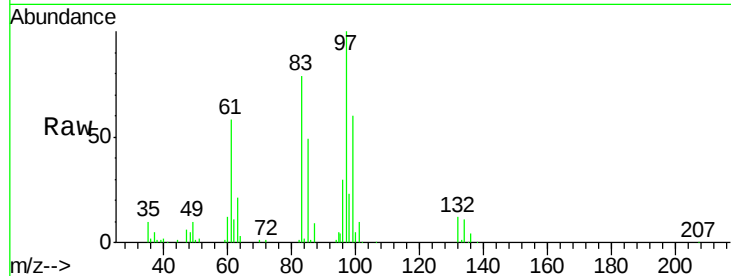
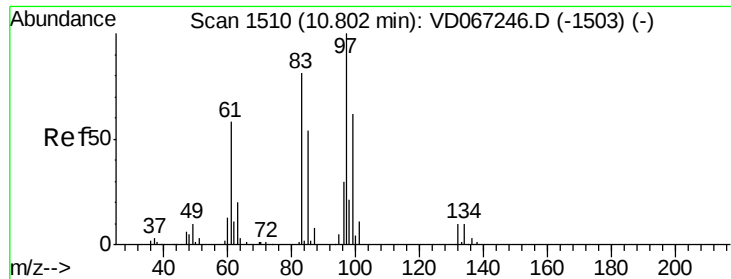
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#54
cis-1,3-Dichloropropene
Concen: 54.058 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.01 min
Lab File: VD067481.D
Acq: 30 Oct 2020 19:21

Tgt Ion	Ratio	Lower	Upper
75	100		
77	29.8	24.5	36.7
39	40.8	33.7	50.5





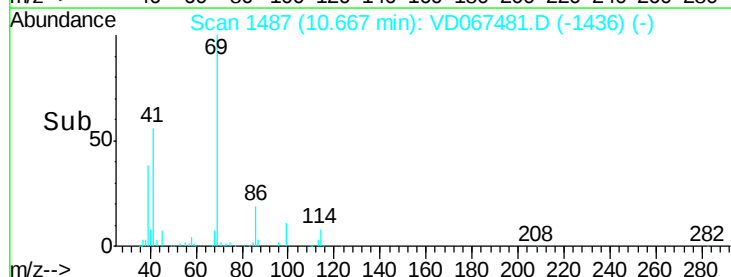
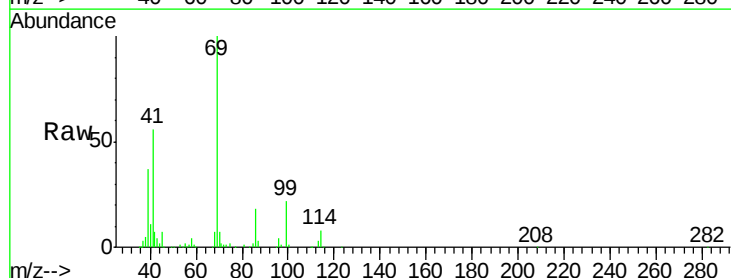
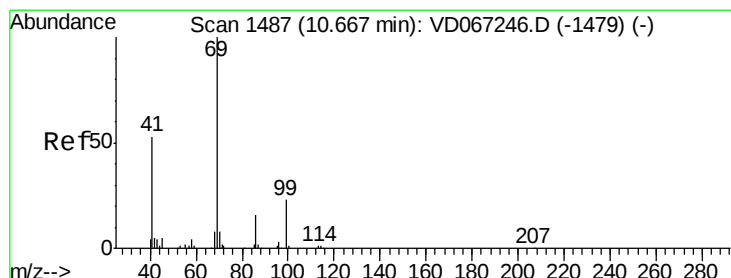
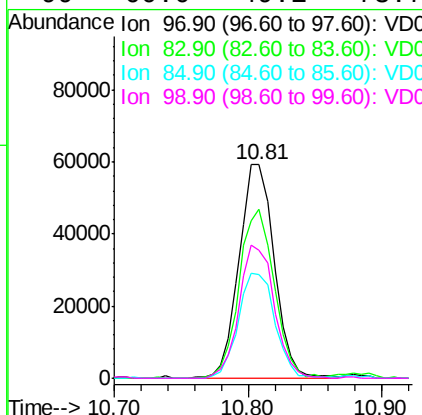
#55
1,1,2-Trichloroethane
Concen: 55.715 ug/l
RT: 10.81 min Scan# 1511
Delta R.T. 0.01 min
Lab File: VD067481.D
Acq: 30 Oct 2020 19:21

Tot Ion:	97	Resp:	108869
Ion	Ratio	Lower	Upper
97	100		
83	78.9	64.9	97.3
85	48.8	43.3	64.9
99	60.0	49.1	73.7

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

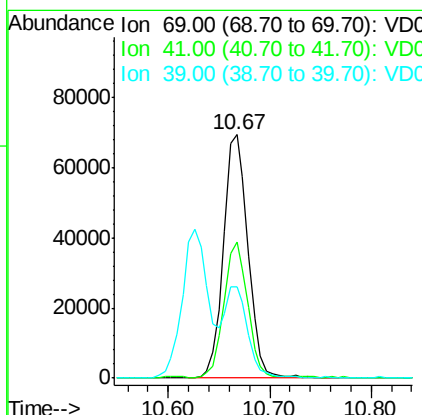
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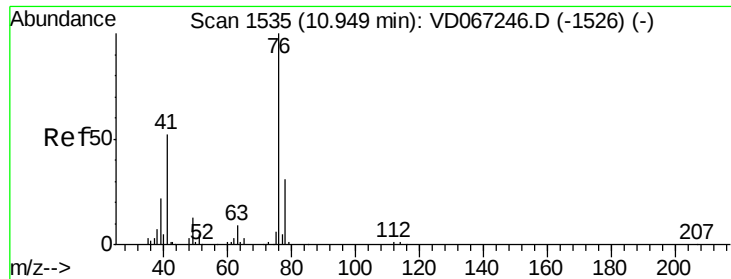
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#56
Ethyl methacrylate
Concen: 57.450 ug/l
RT: 10.67 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VD067481.D
Acq: 30 Oct 2020 19:21

Tgt Ion:	69	Resp:	116425
Ion	Ratio	Lower	Upper
69	100		
41	54.3	44.7	67.1
39	34.6	26.2	39.2





#57

1,3-Dichloropropane

Concen: 55.056 ug/l

RT: 10.96 min Scan# 1536

Delta R.T. 0.01 min

Lab File: VD067481.D

Acq: 30 Oct 2020 19:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 171208

Ion Ratio Lower Upper

76 100

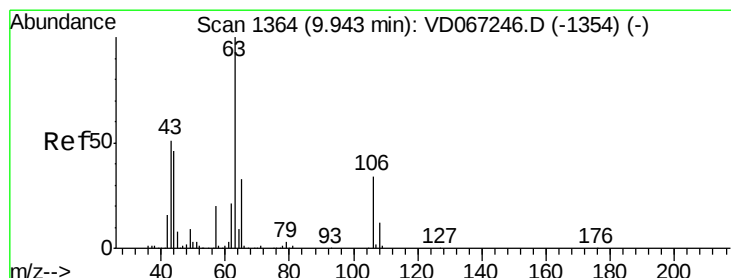
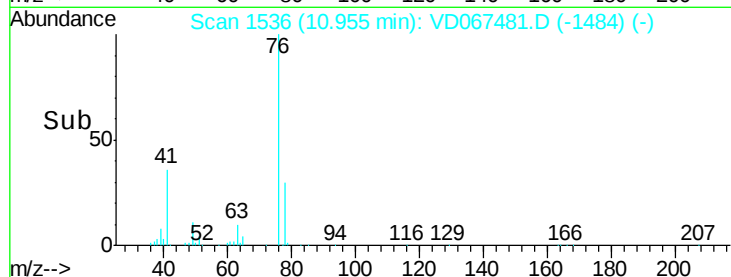
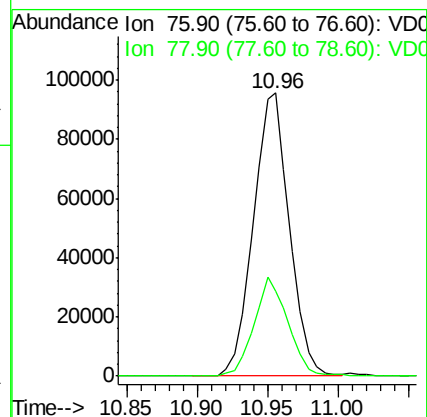
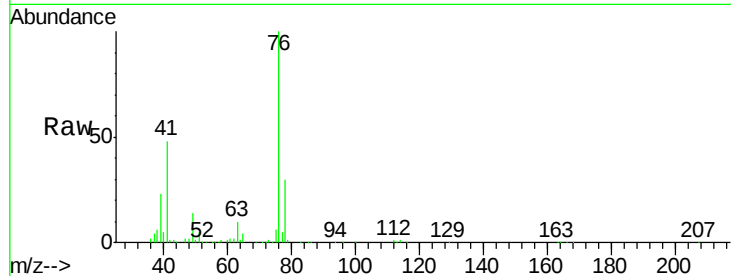
78 33.0 26.8 40.2

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#58

2-Chloroethyl Vinyl ether

Concen: 261.309 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.01 min

Lab File: VD067481.D

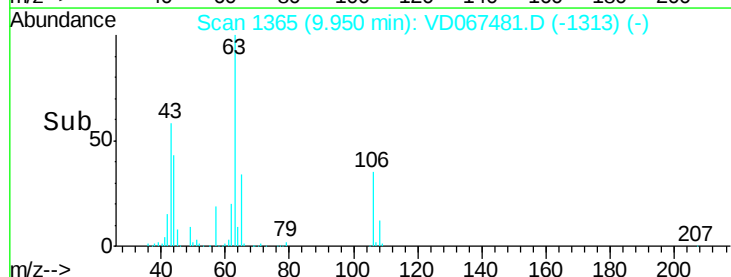
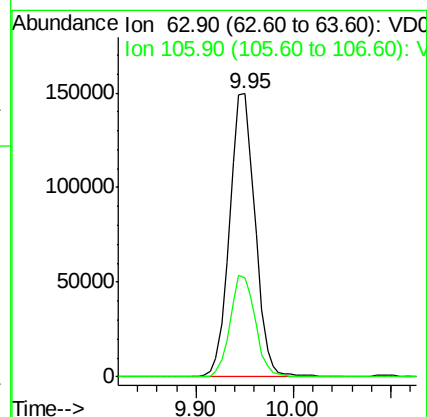
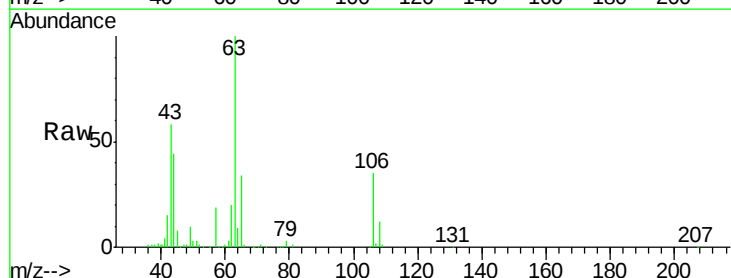
Acq: 30 Oct 2020 19:21

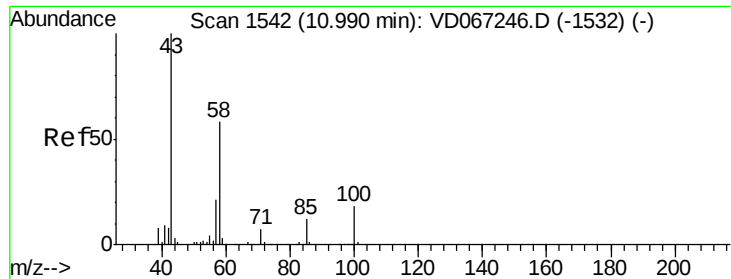
Tgt Ion: 63 Resp: 271661

Ion Ratio Lower Upper

63 100

106 35.4 27.8 41.6





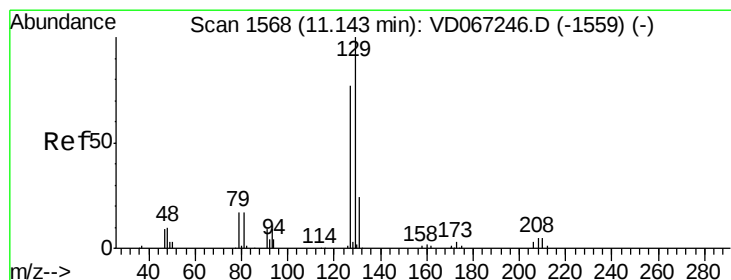
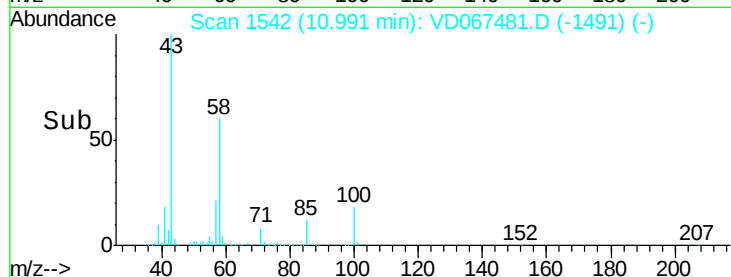
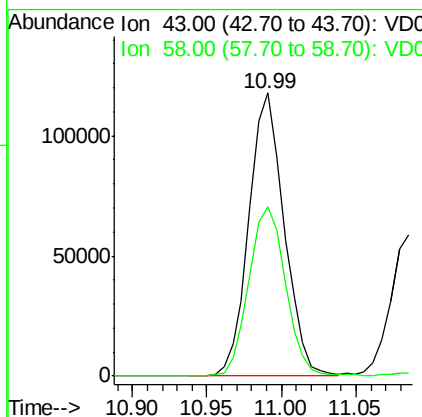
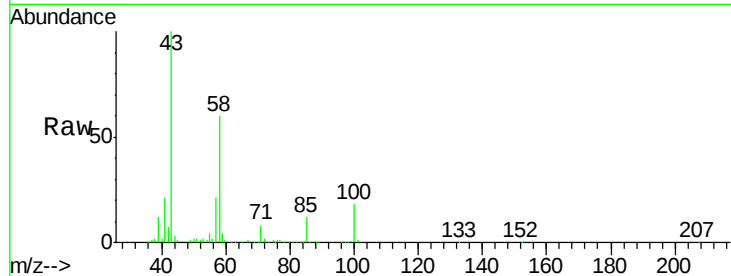
#59
2-Hexanone
Concen: 267.994 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067481.D
Acq: 30 Oct 2020 19:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	192891
Ion Ratio	43	100	
Lower	58	62.2	29.3
Upper			87.9

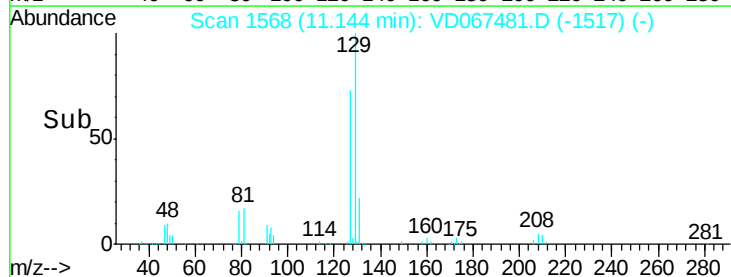
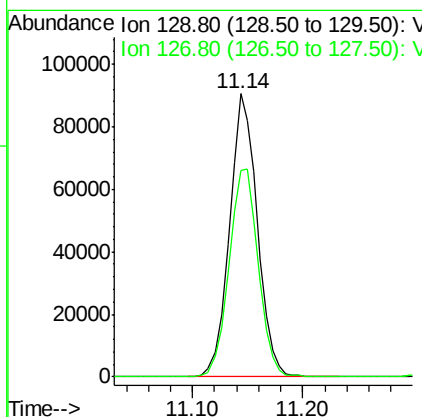
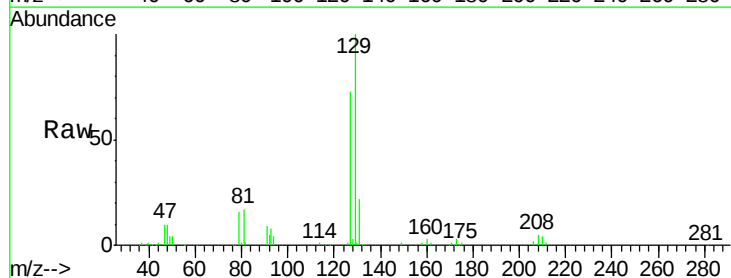
Manual Integrations
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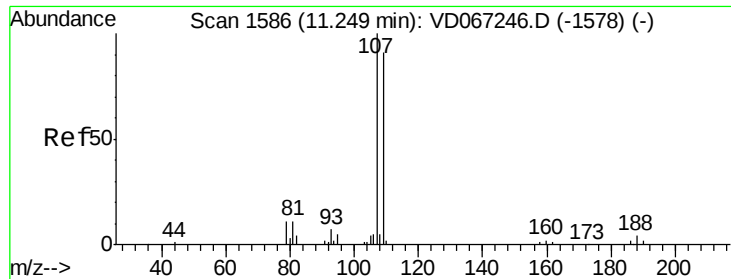
MMDadoda
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#60
Dibromochloromethane
Concen: 55.932 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067481.D
Acq: 30 Oct 2020 19:21

Tgt Ion	129	Resp	159388
Ion Ratio	129	100	
Lower	127	77.2	38.3
Upper			114.8





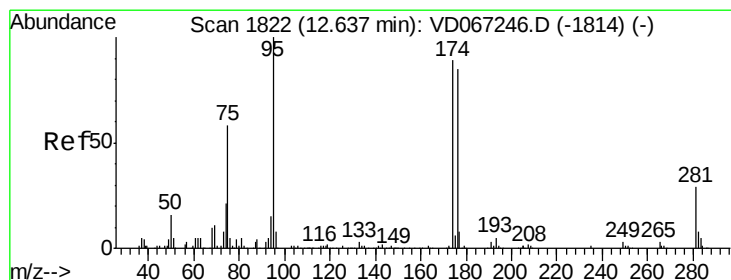
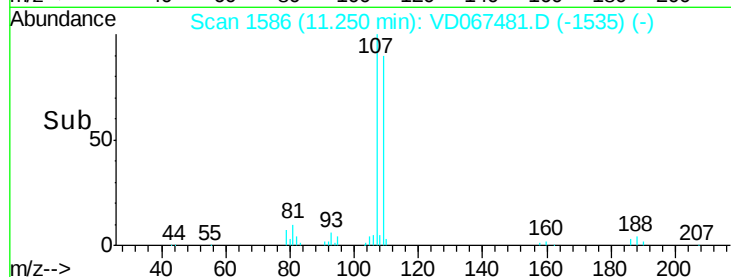
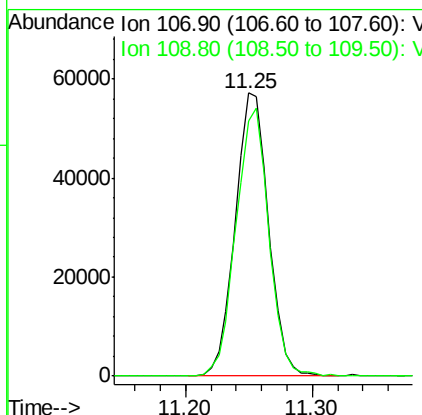
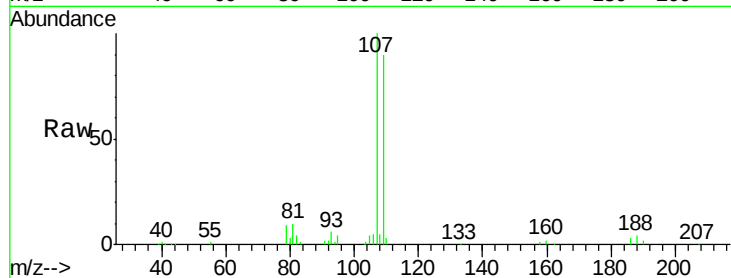
#61
 1,2-Dibromoethane
 Concen: 53.971 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067481.D
 Acq: 30 Oct 2020 19:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.7	74.6	112.0

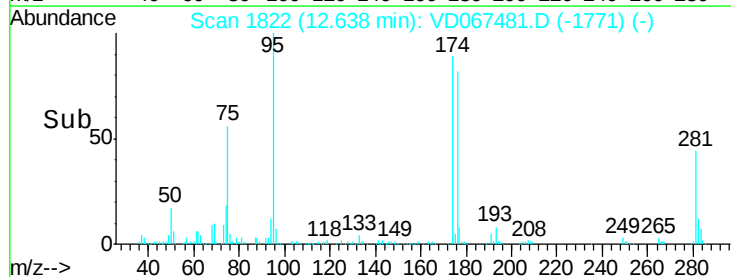
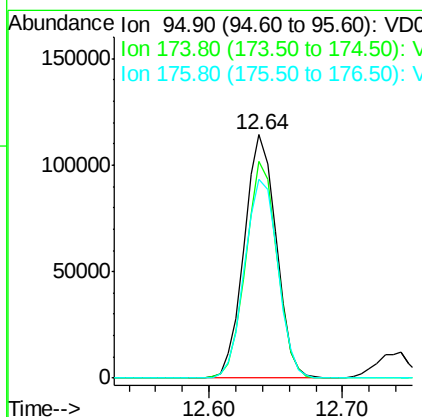
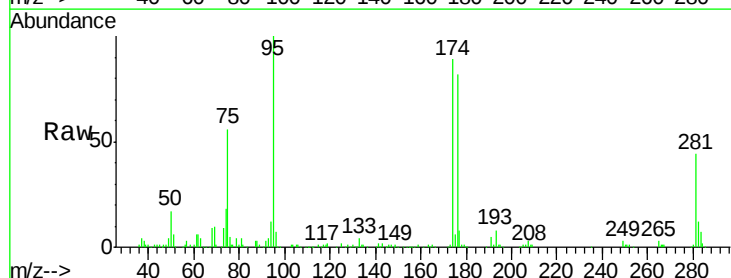
Manual Integrations
 APPROVED

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#62
 4-Bromofluorobenzene
 Concen: 52.850 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067481.D
 Acq: 30 Oct 2020 19:21

Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.6	0.0	175.2
176	84.6	0.0	168.6





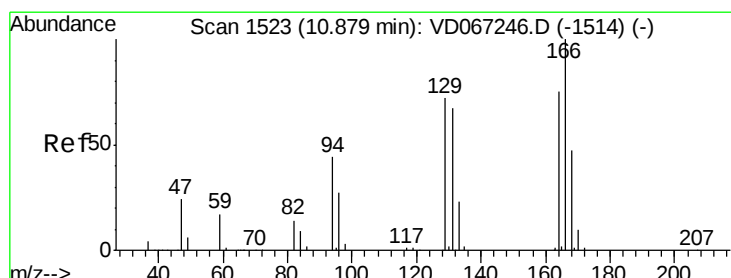
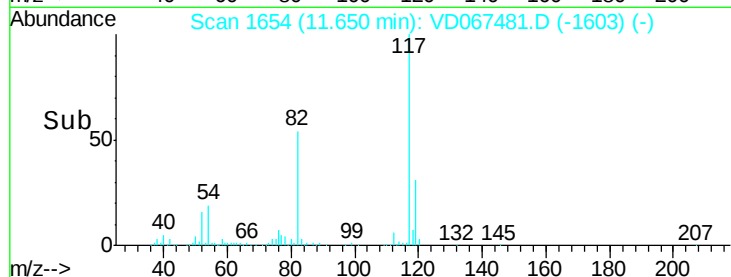
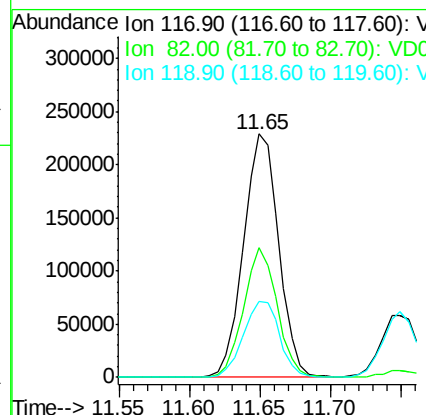
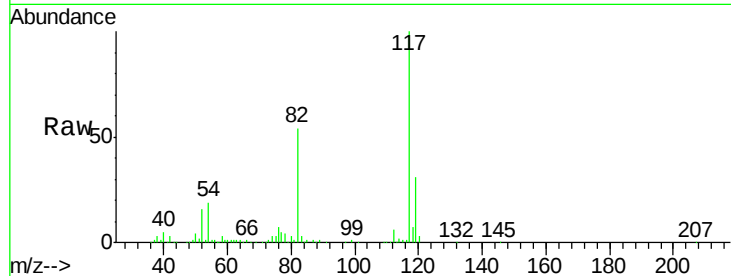
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067481.D
Acq: 30 Oct 2020 19:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	399736		
82	53.5		39.9	59.9
119	31.4		24.9	37.3

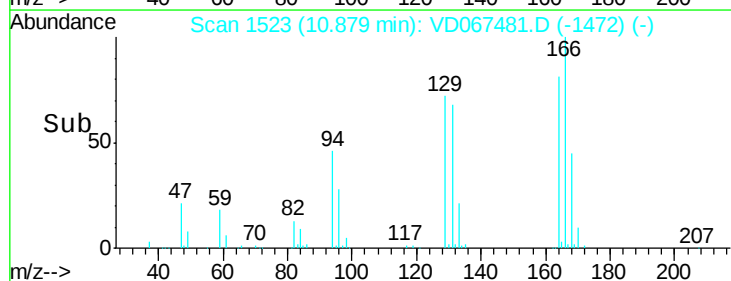
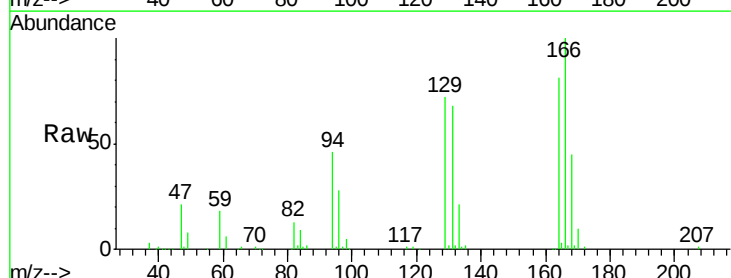
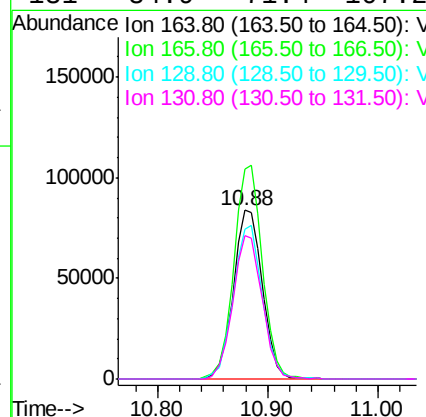
Manual Integrations
APPROVED

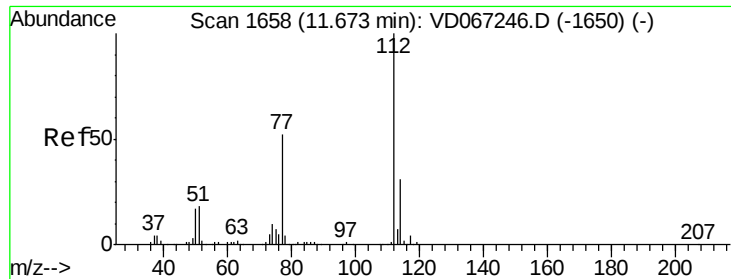
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#64
Tetrachloroethene
Concen: 53.385 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067481.D
Acq: 30 Oct 2020 19:21

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	154614		
166	123.9		107.3	160.9
129	88.7		77.3	115.9
131	84.9		71.4	107.2





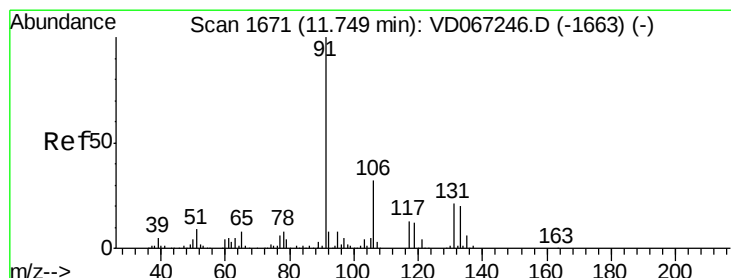
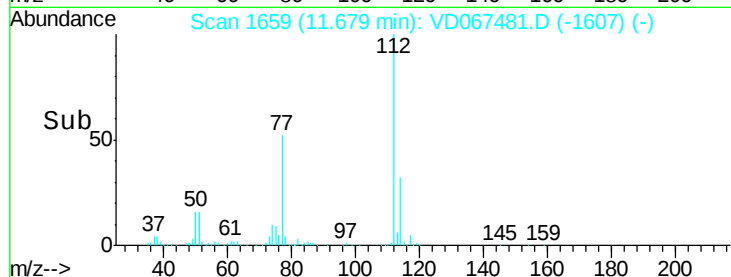
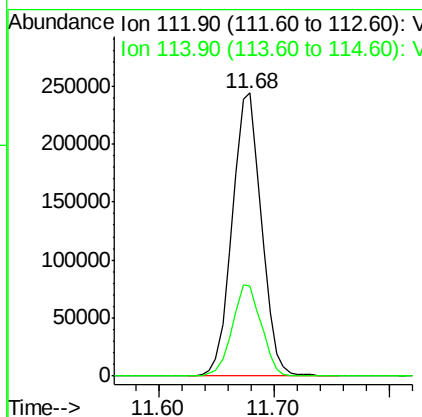
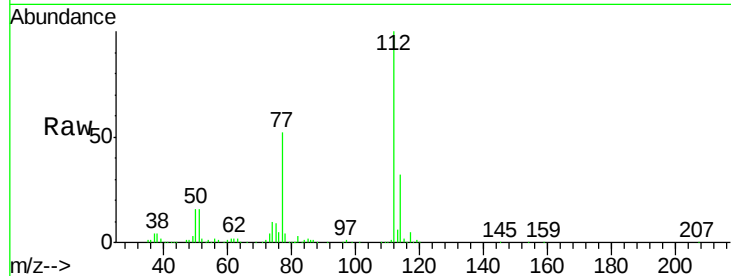
#65
Chlorobenzene
Concen: 55.722 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.01 min
Lab File: VD067481.D
Acq: 30 Oct 2020 19:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.0	37.4

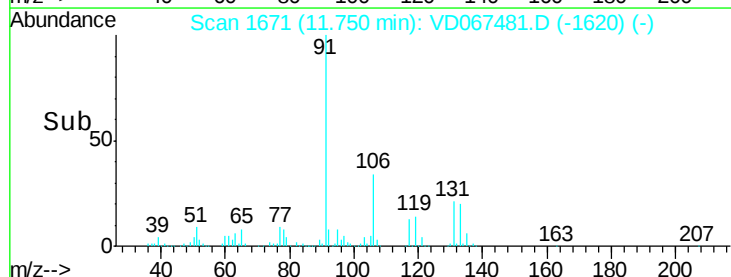
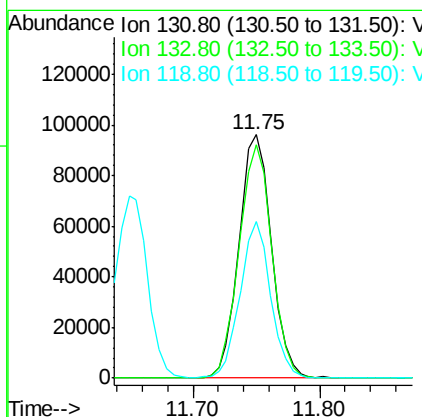
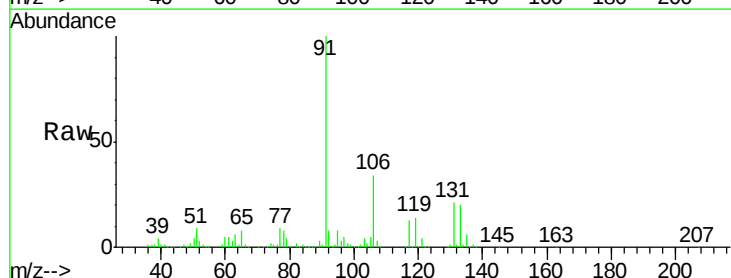
Manual Integrations
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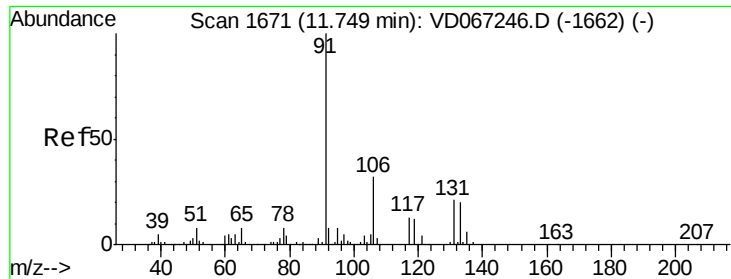
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 56.246 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067481.D
Acq: 30 Oct 2020 19:21

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.4	48.1	144.3
119	60.8	30.0	90.0





#67

Ethyl Benzene

Concen: 55.700 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067481.D

Acq: 30 Oct 2020 19:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 731892

Ion Ratio Lower Upper

91 100

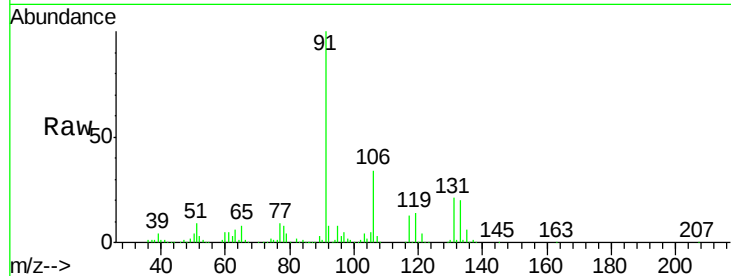
106 33.6 25.4 38.0

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

600000

400000

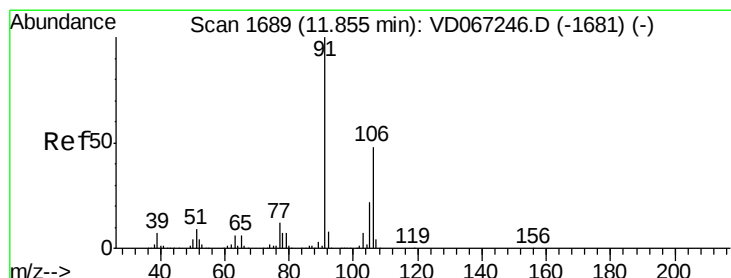
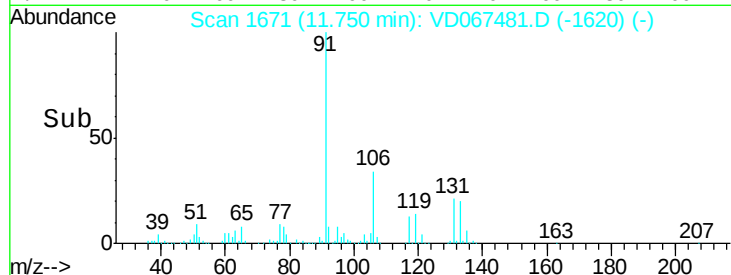
200000

0

11.75

11.80

Time-->



#68

m/p-Xylenes

Concen: 112.218 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VD067481.D

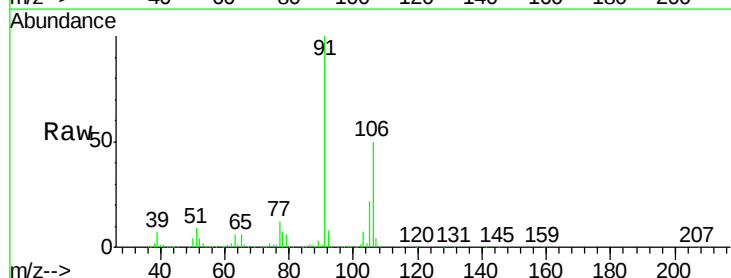
Acq: 30 Oct 2020 19:21

Tgt Ion: 106 Resp: 567818

Ion Ratio Lower Upper

106 100

91 203.3 163.8 245.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

600000

400000

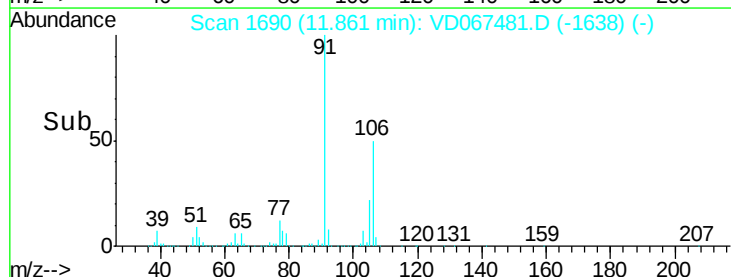
200000

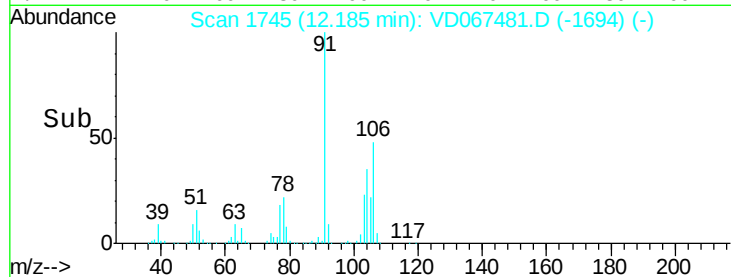
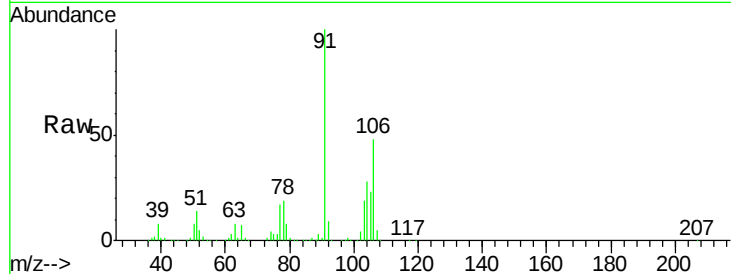
0

11.86

11.90

Time-->





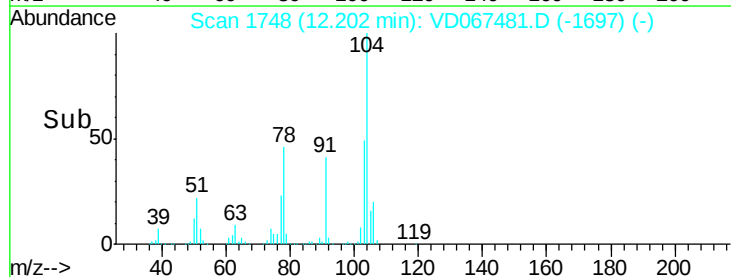
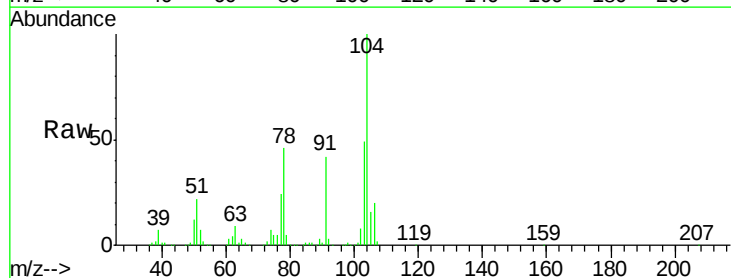
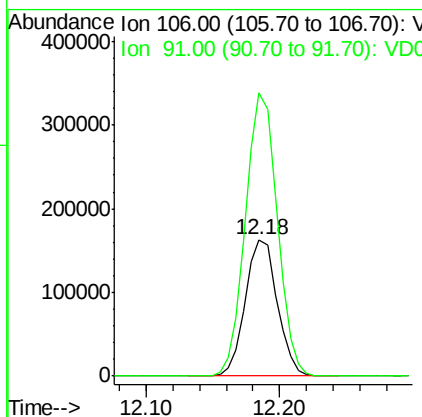
#69
o-Xylene
Concen: 57.415 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067481.D
Acq: 30 Oct 2020 19:21

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	269024		
91	207.4	109.1	327.3		

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

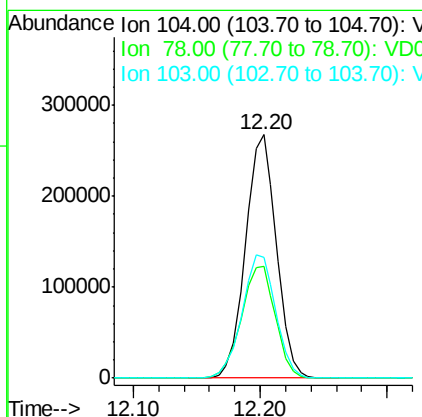
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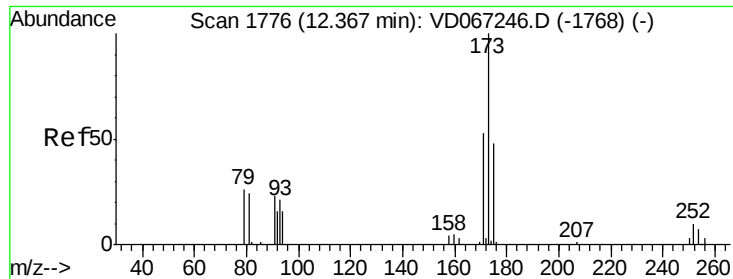
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#70
Styrene
Concen: 56.200 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD067481.D
Acq: 30 Oct 2020 19:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	453306		
78	50.4	39.8	59.6		
103	54.8	42.6	64.0		





#71

Bromoform

Concen: 54.756 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD067481.D

Acq: 30 Oct 2020 19:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 89619

Ion Ratio Lower Upper

173 100

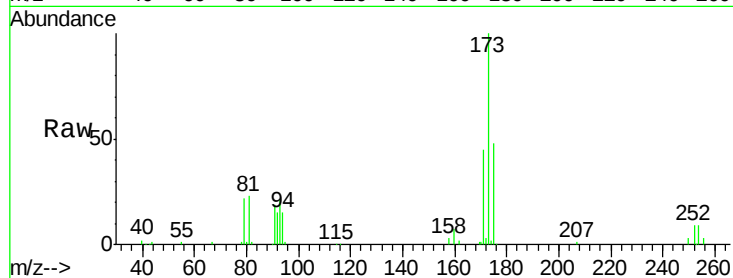
175 49.9 24.2 72.6

254 0.0 0.1 0.1#

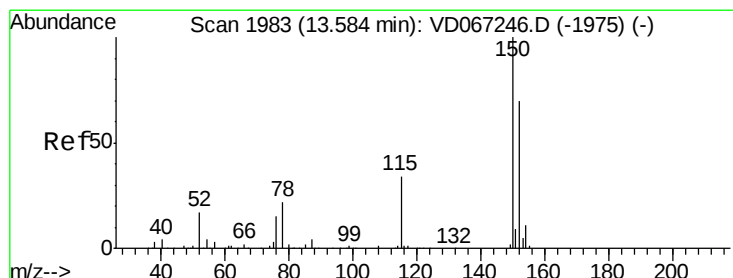
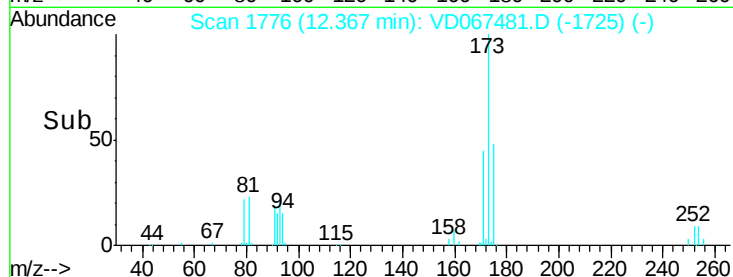
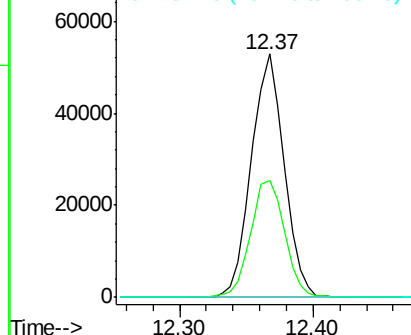
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD067481.D

Acq: 30 Oct 2020 19:21

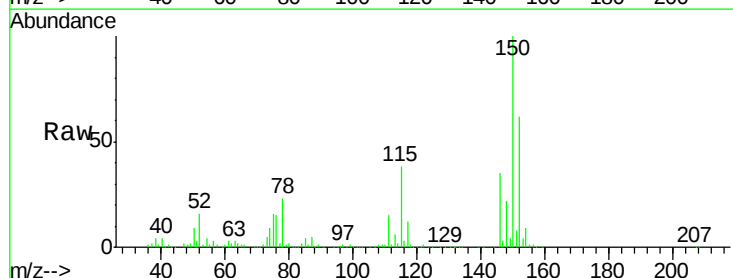
Tgt Ion:152 Resp: 206155

Ion Ratio Lower Upper

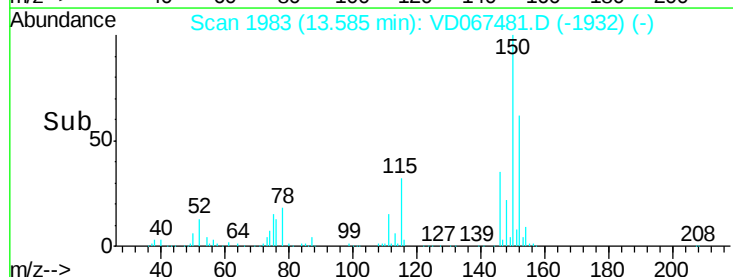
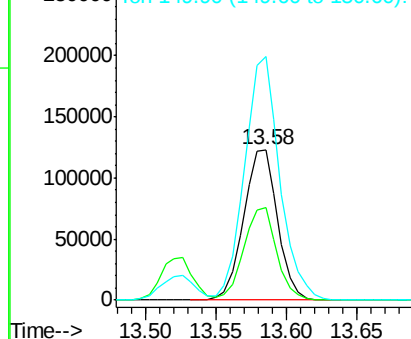
152 100

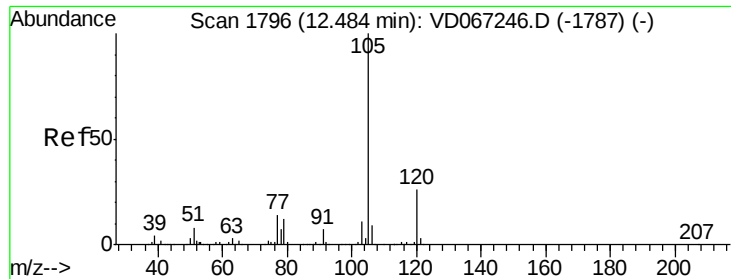
115 59.3 29.3 87.9

150 169.0 0.0 339.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 56.879 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067481.D

Acq: 30 Oct 2020 19:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 744208

Ion Ratio Lower Upper

105 100

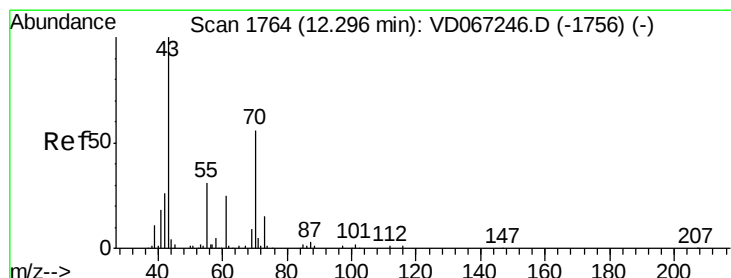
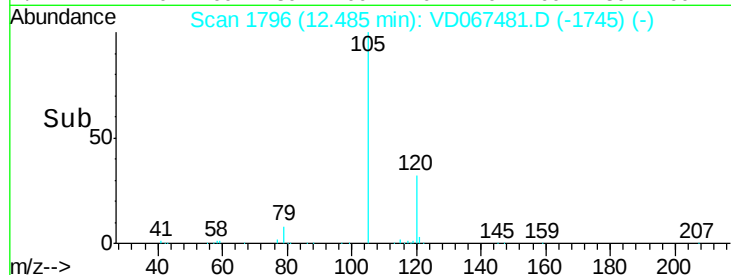
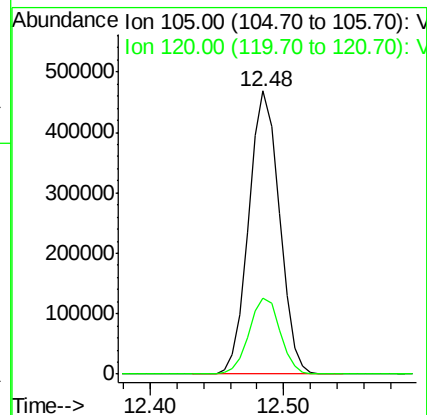
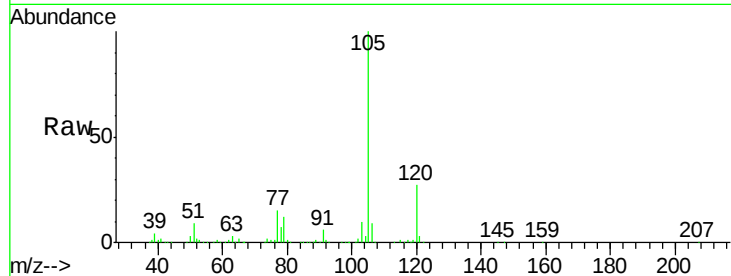
120 27.1 13.3 39.8

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#74

N-ethyl acetate

Concen: 51.758 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD067481.D

Acq: 30 Oct 2020 19:21

Tgt Ion: 43 Resp: 102279

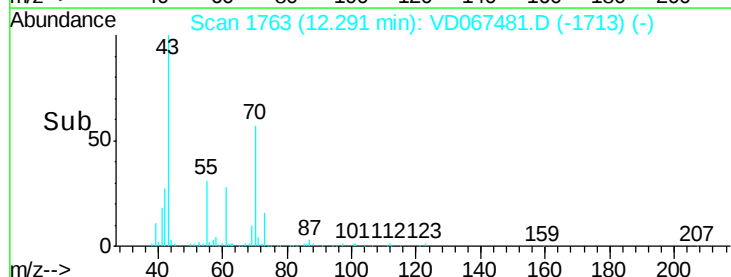
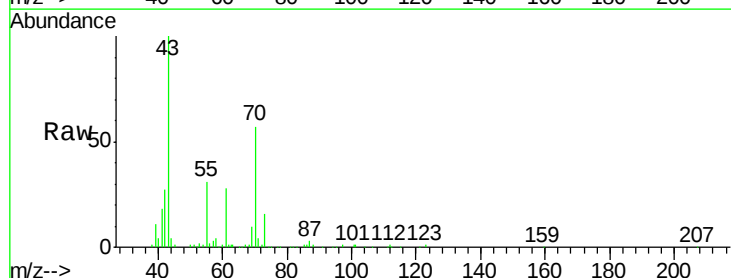
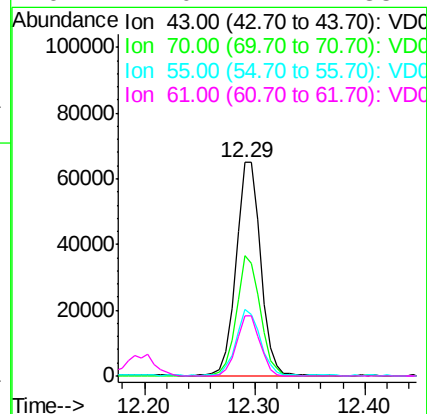
Ion Ratio Lower Upper

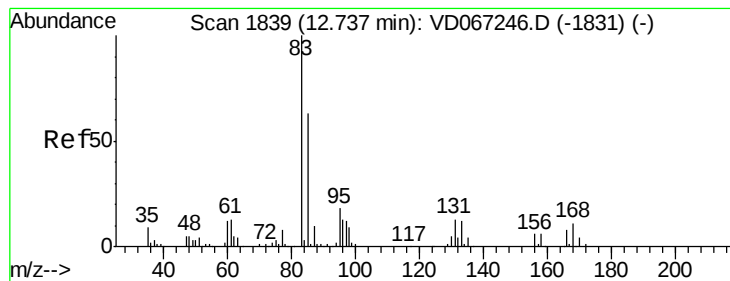
43 100

70 54.3 42.7 64.1

55 31.0 24.0 36.0

61 27.0 22.2 33.4





#75

1,1,2,2-Tetrachloroethane

Concen: 51.975 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067481.D

Acq: 30 Oct 2020 19:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 104198

Ion Ratio Lower Upper

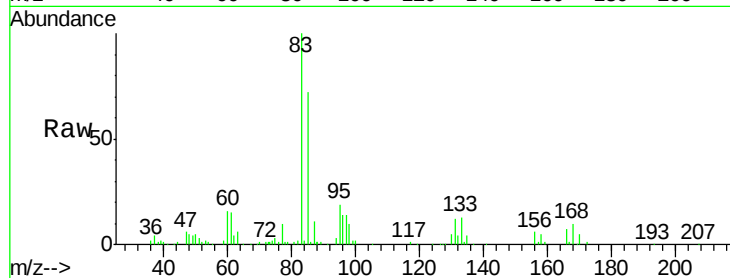
83 100

131 14.4 6.5 19.5

85 66.6 32.6 97.7

Manual Integrations
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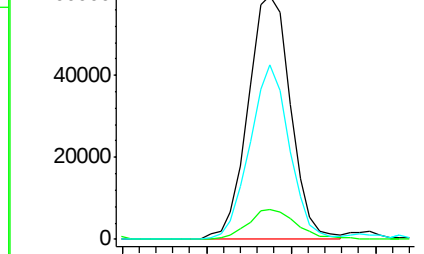
MMDadoda
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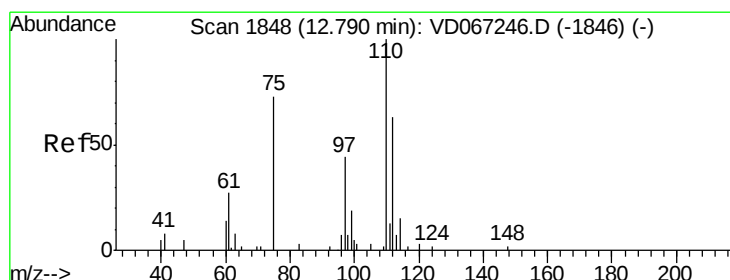
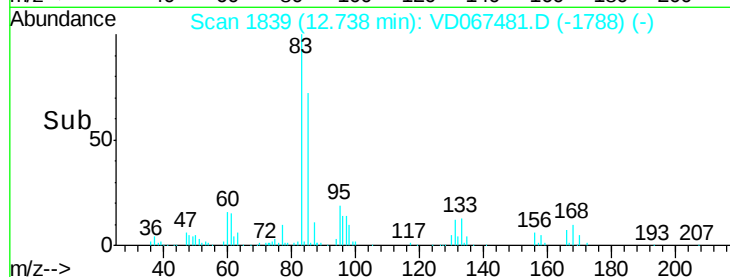
Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



Time--> 12.65 12.70 12.75 12.80



#76

1,2,3-Trichloropropane

Concen: 47.118 ug/l m

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD067481.D

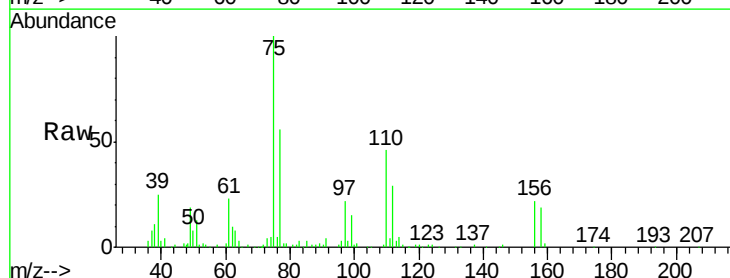
Acq: 30 Oct 2020 19:21

Tgt Ion: 75 Resp: 67325

Ion Ratio Lower Upper

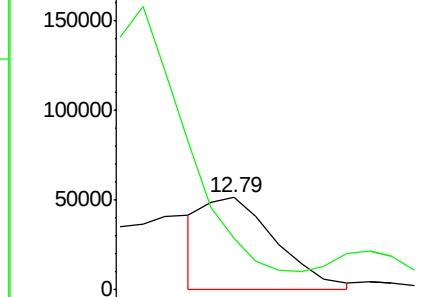
75 100

77 0.0 0.0 0.0

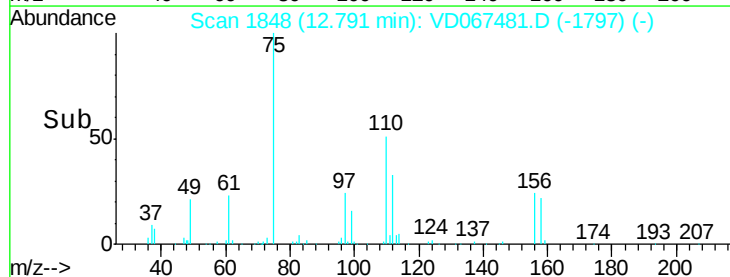


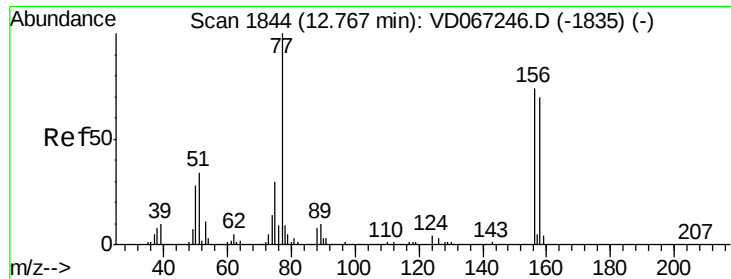
Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



Time--> 12.78 12.80 12.82





#77

Bromobenzene

Concen: 54.315 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067481.D

Acq: 30 Oct 2020 19:21

Instrument :

MSVOA_D

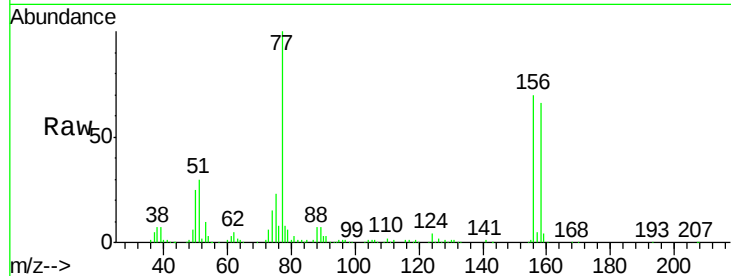
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	159.1	78.0	233.8
158	97.2	49.1	147.3

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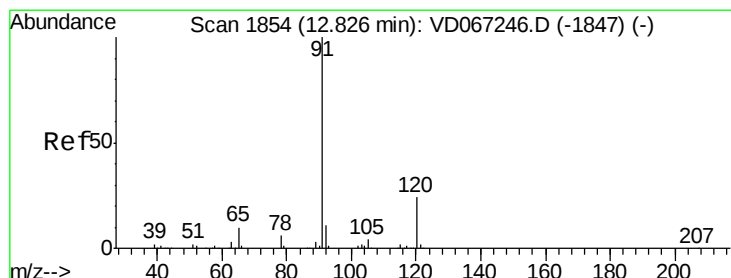
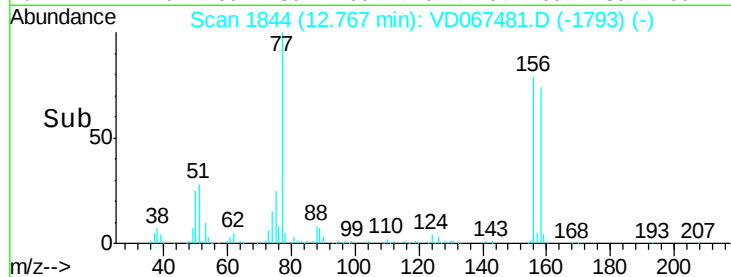
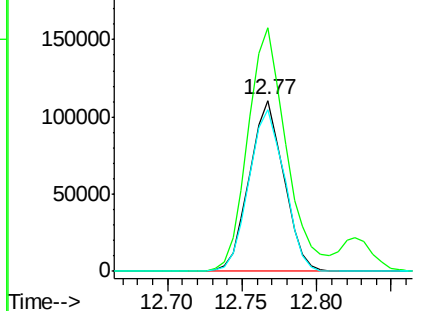
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 55.678 ug/l

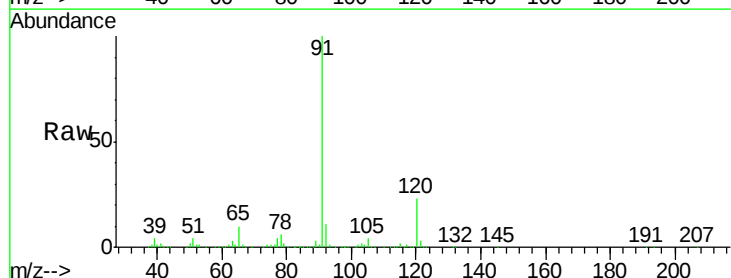
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067481.D

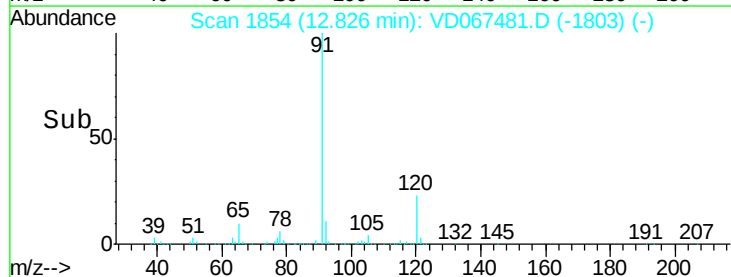
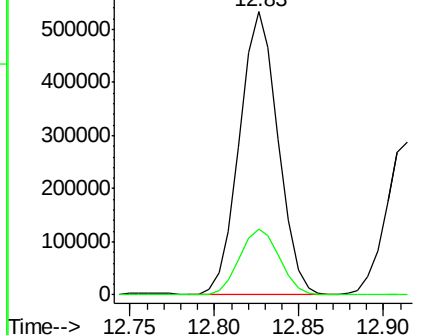
Acq: 30 Oct 2020 19:21

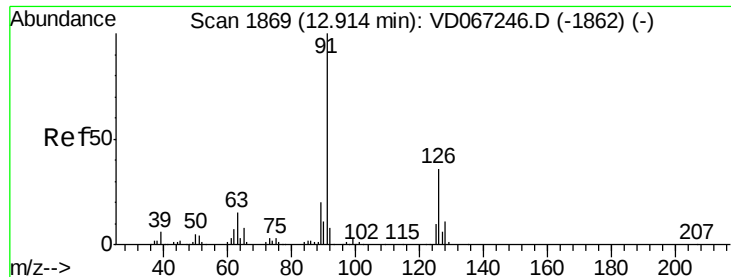
Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.2	11.9	35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 54.297 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD067481.D

Acq: 30 Oct 2020 19:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 477338

Ion Ratio Lower Upper

91 100

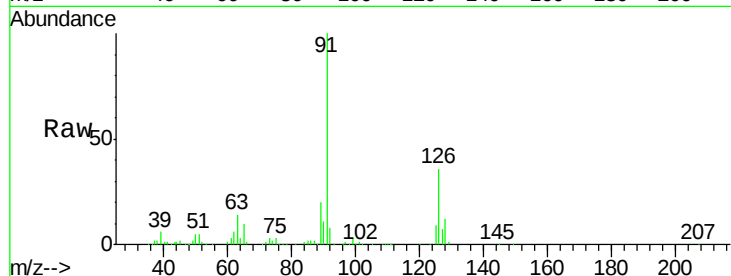
126 36.6 17.6 52.8

Manual Integrations

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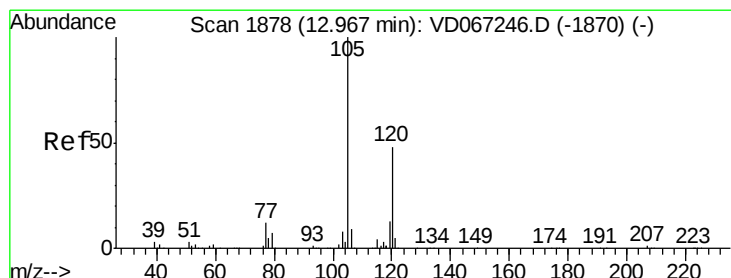
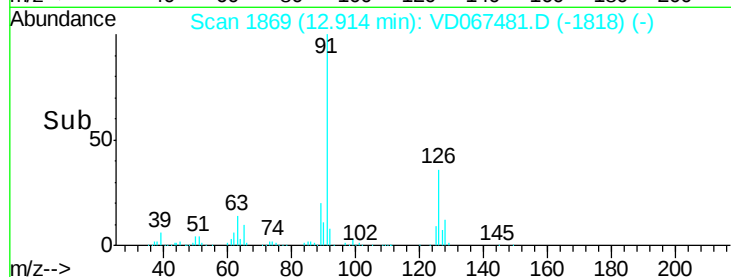


Abundance Ion 91.00 (90.70 to 91.70): VD067481.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD067481.D (-1862) (-)

Time-->

12.85 12.90 12.95



#80

1,3,5-Trimethylbenzene

Concen: 56.285 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD067481.D

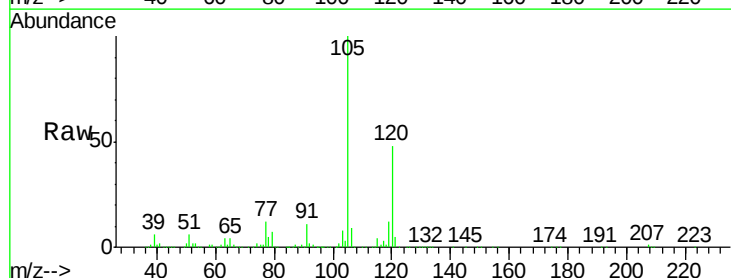
Acq: 30 Oct 2020 19:21

Tgt Ion:105 Resp: 639952

Ion Ratio Lower Upper

105 100

120 48.9 24.3 72.8

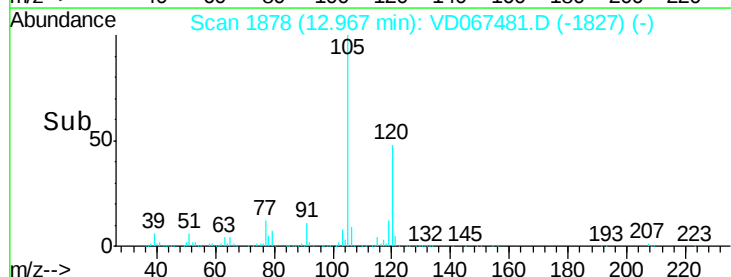


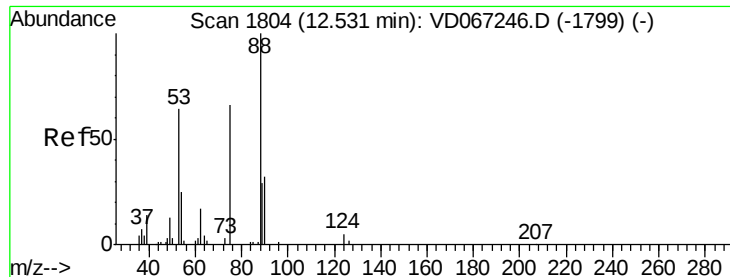
Abundance Ion 105.00 (104.70 to 105.70): VD067481.D (-1870) (-)

Ion 120.00 (119.70 to 120.70): VD067481.D (-1870) (-)

Time-->

12.90 12.95 13.00





#81

trans-1,4-Dichloro-2-butene

Concen: 54.183 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD067481.D

Acq: 30 Oct 2020 19:21

Instrument :

MSVOA_D

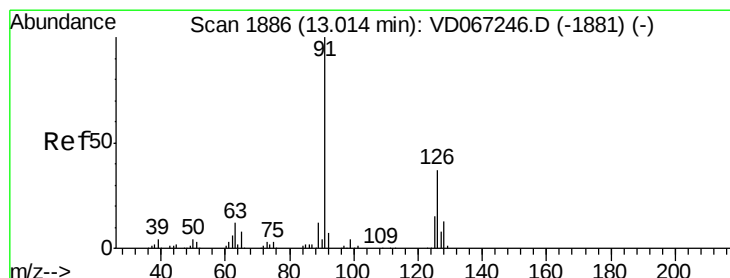
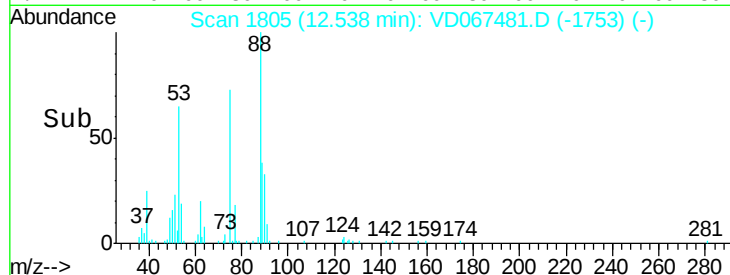
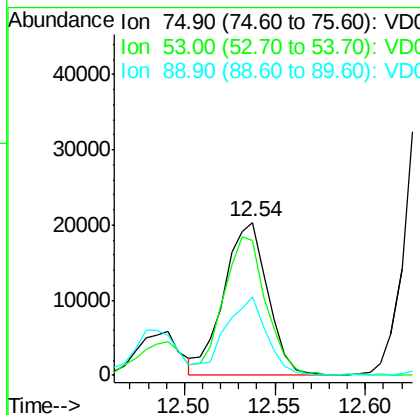
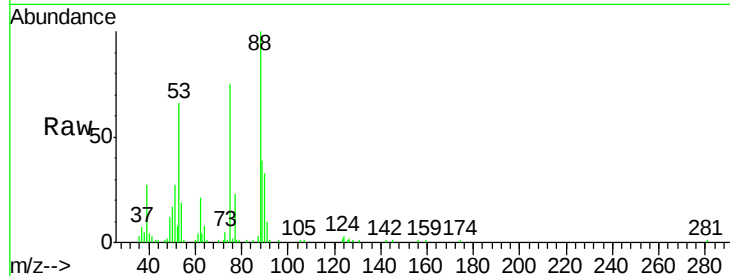
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	34140
Ion	Ratio	Lower	Upper
75	100		
53	89.3	78.5	117.7
89	48.9	39.9	59.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 55.757 ug/l

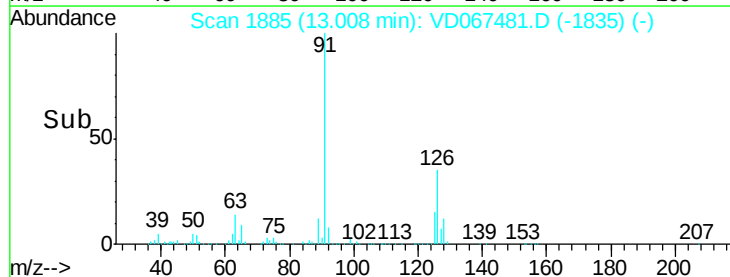
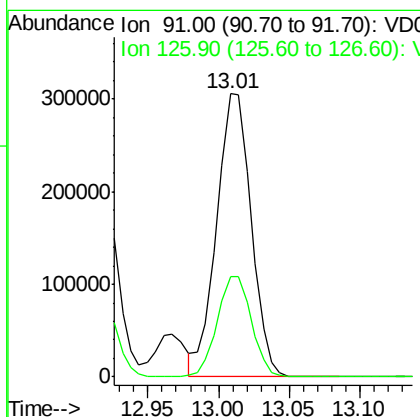
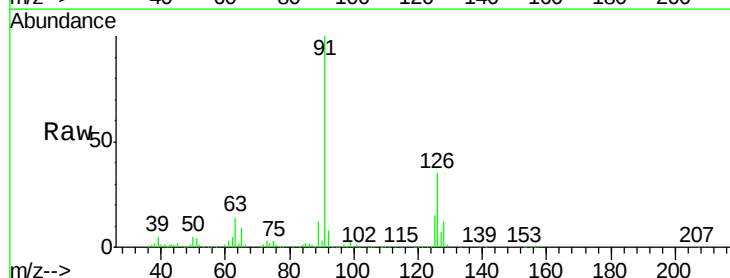
RT: 13.01 min Scan# 1885

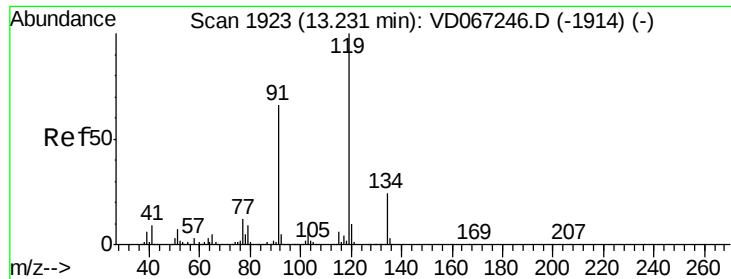
Delta R.T. -0.01 min

Lab File: VD067481.D

Acq: 30 Oct 2020 19:21

Tgt Ion:	91	Resp:	520252
Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.8	53.5





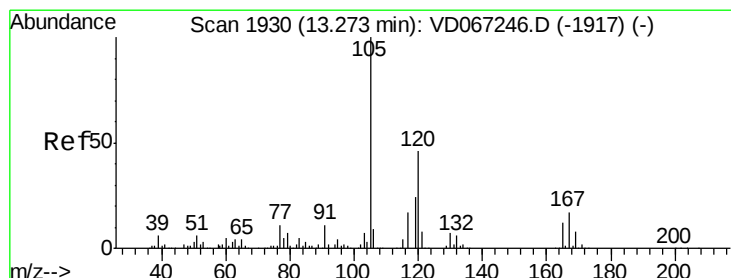
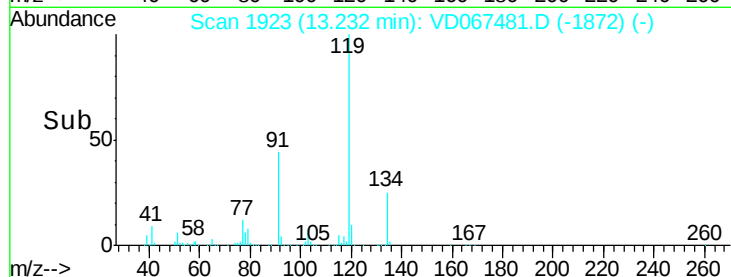
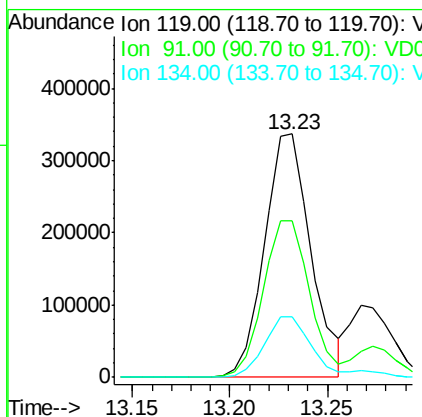
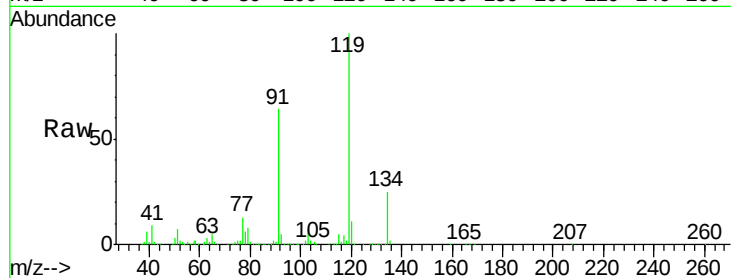
#83
 tert-Butylbenzene
 Concen: 57.961 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD067481.D
 Acq: 30 Oct 2020 19:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.2	33.1	99.2
134	25.0	13.3	39.9

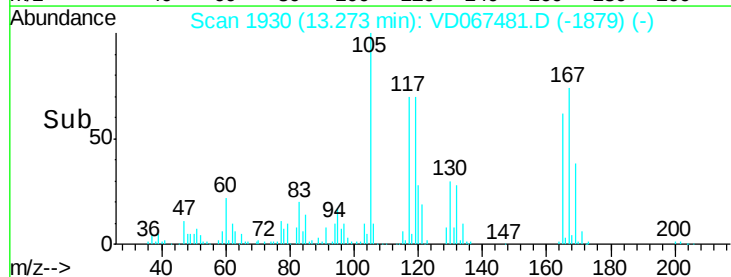
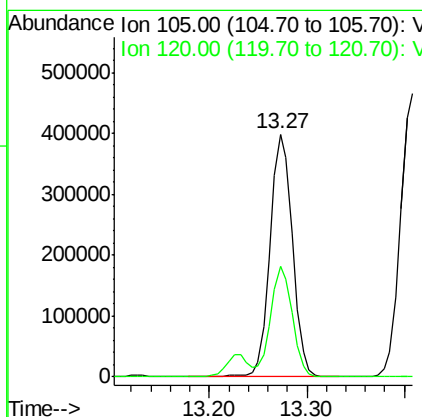
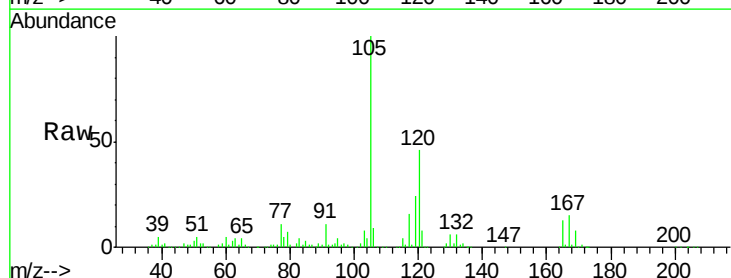
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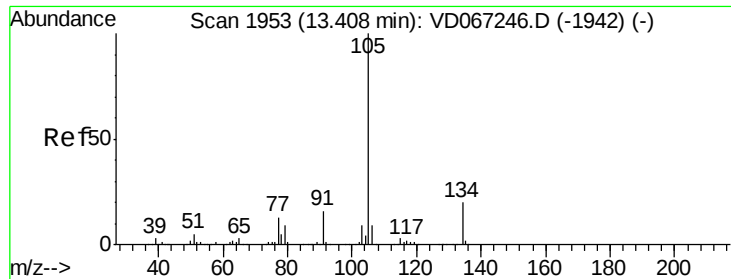
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#84
 1,2,4-Trimethylbenzene
 Concen: 56.993 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD067481.D
 Acq: 30 Oct 2020 19:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.5	22.4	67.3





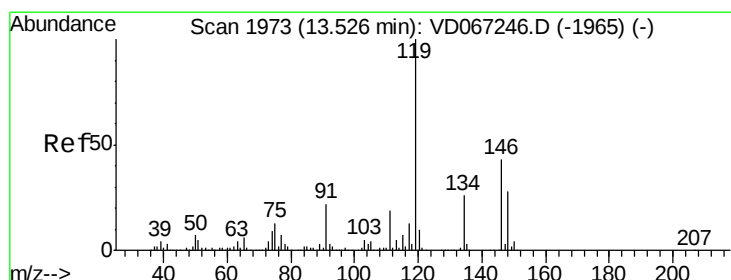
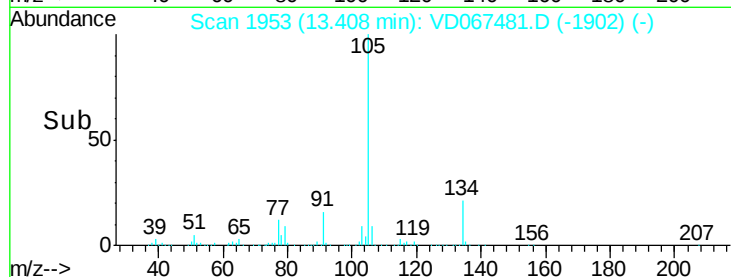
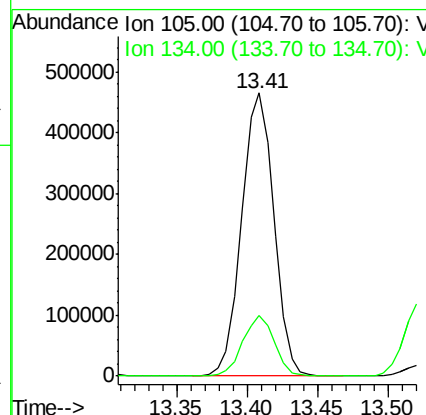
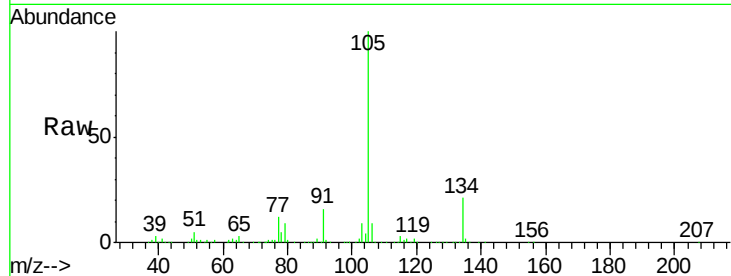
#85
 sec-Butylbenzene
 Concen: 56.459 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD067481.D
 Acq: 30 Oct 2020 19:21

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.9	10.5	31.5

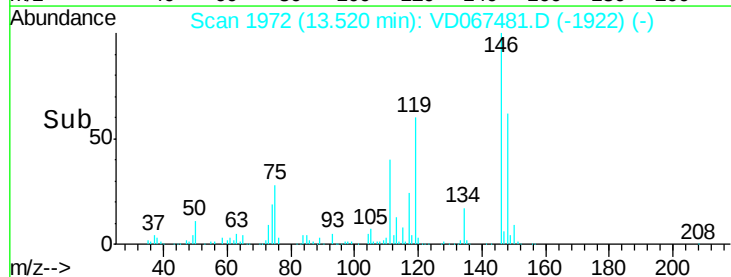
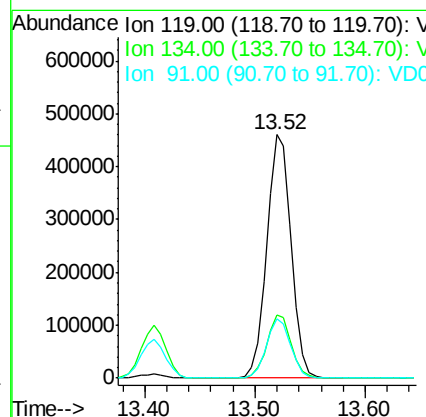
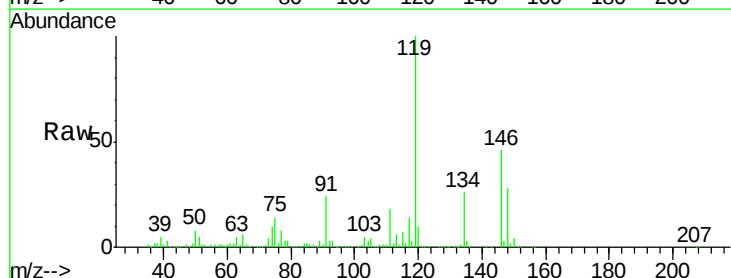
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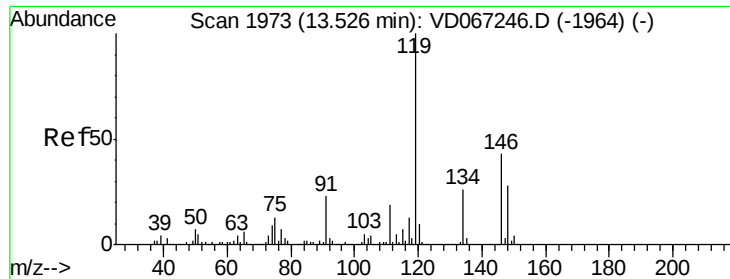
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#86
 p-Isopropyltoluene
 Concen: 56.980 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD067481.D
 Acq: 30 Oct 2020 19:21

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.1	39.3
91	24.0	11.9	35.9





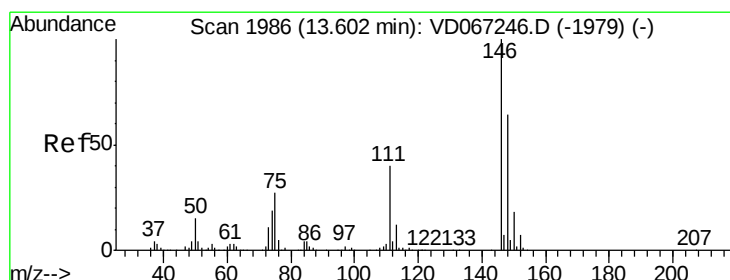
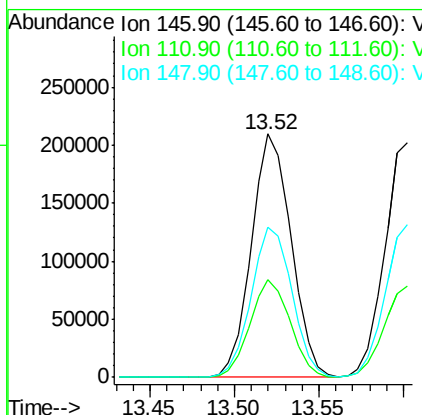
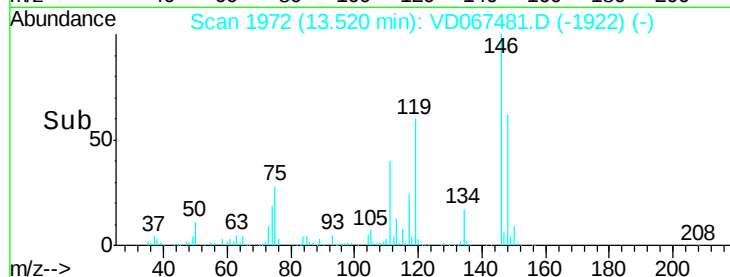
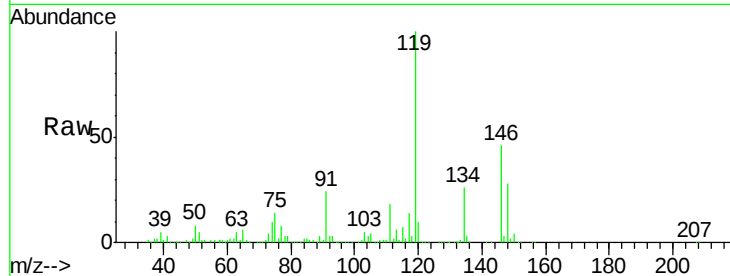
#87
 1,3-Dichlorobenzene
 Concen: 54.518 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD067481.D
 Acq: 30 Oct 2020 19:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	21.1	63.3
148	63.4	31.9	95.9

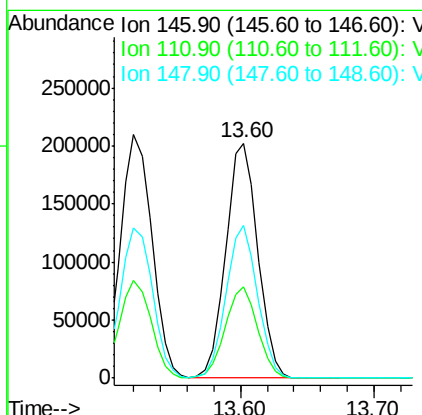
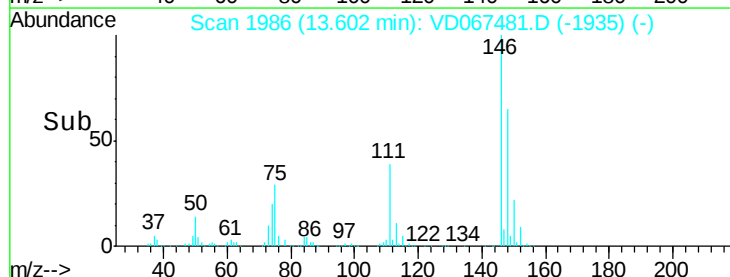
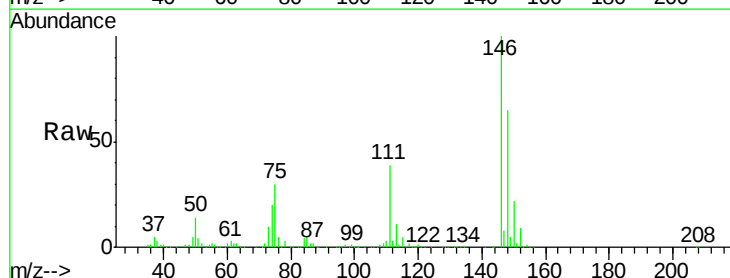
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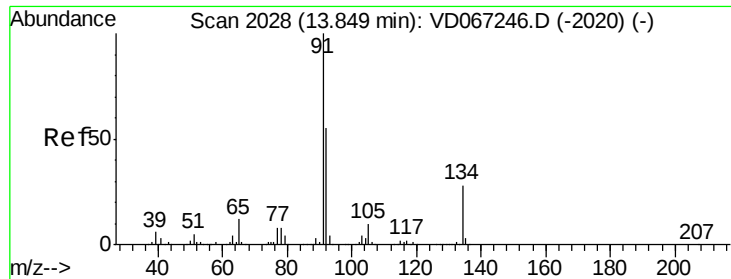
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#88
 1,4-Dichlorobenzene
 Concen: 54.332 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD067481.D
 Acq: 30 Oct 2020 19:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.9	59.7
148	63.9	31.9	95.9





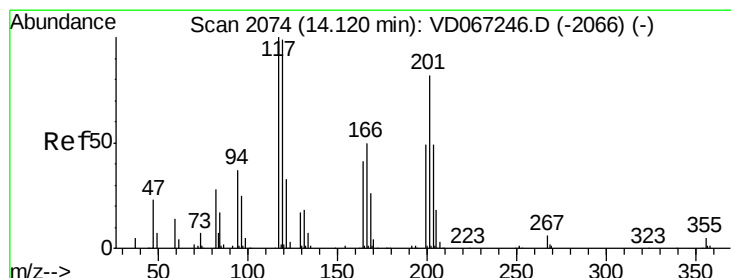
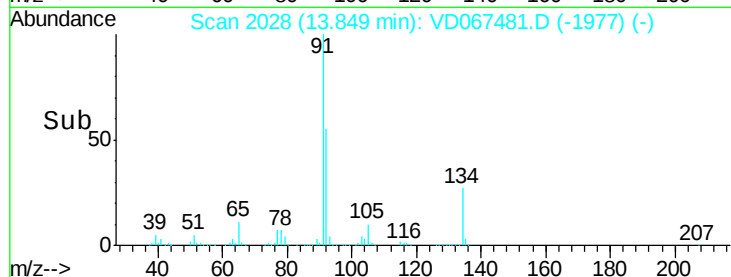
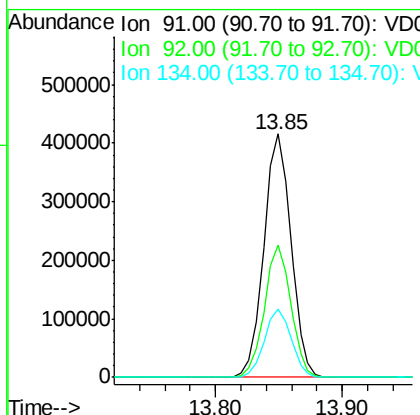
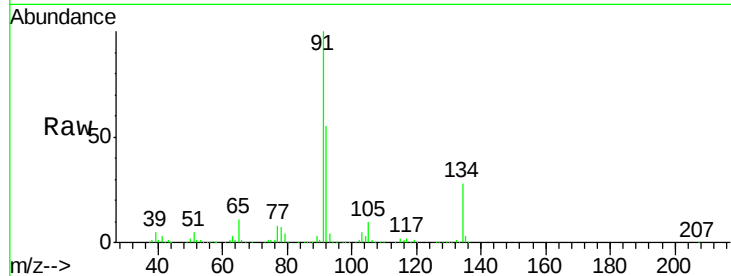
#89
n-Butylbenzene
Concen: 56.809 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067481.D
Acq: 30 Oct 2020 19:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.7	80.0
134	27.6	14.2	42.6

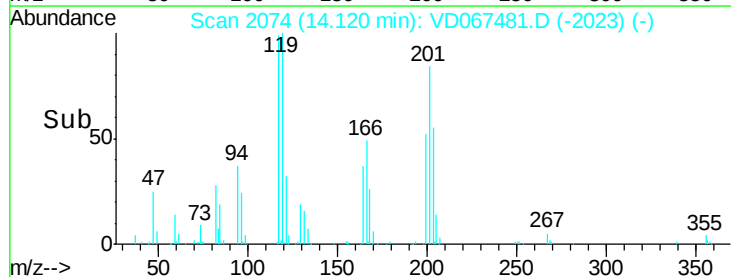
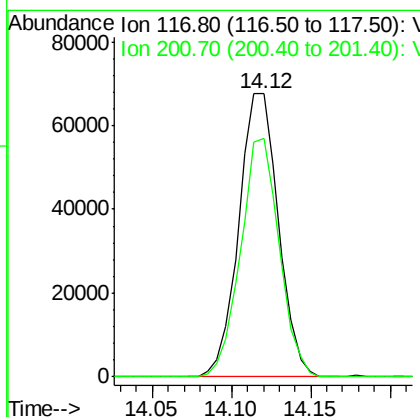
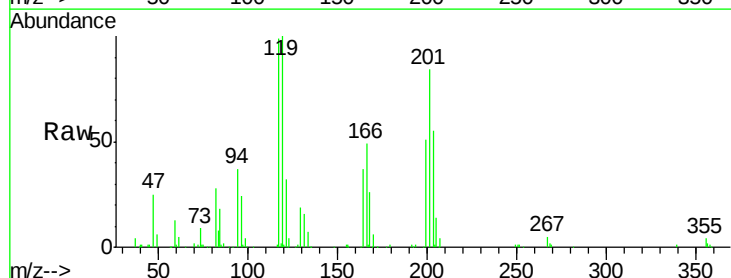
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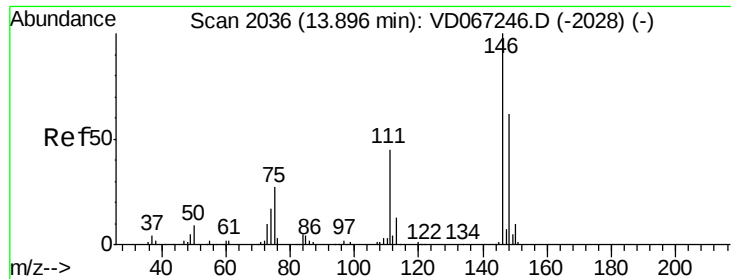
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#90
Hexachloroethane
Concen: 54.141 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD067481.D
Acq: 30 Oct 2020 19:21

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.1	40.8	122.2





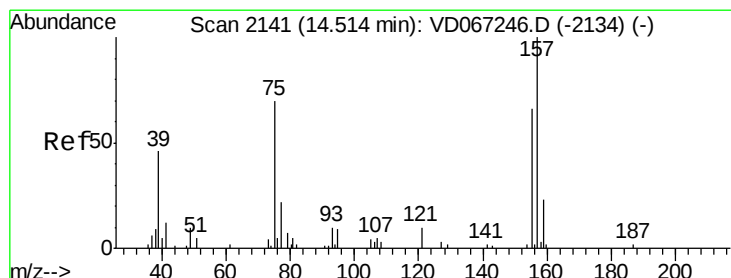
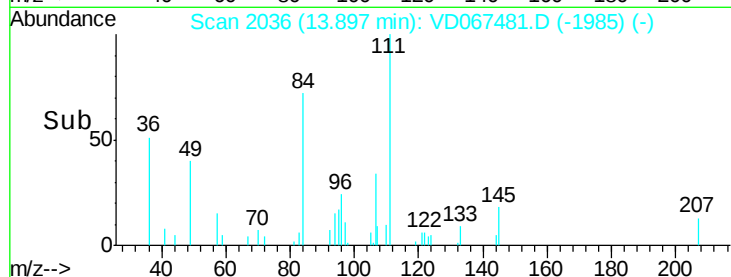
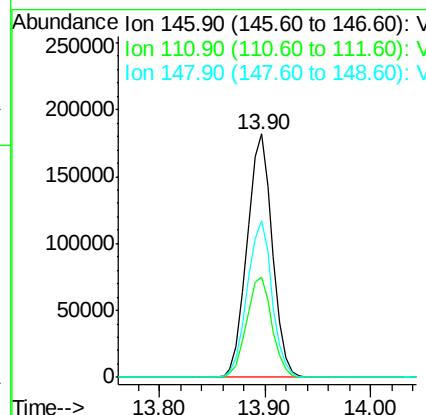
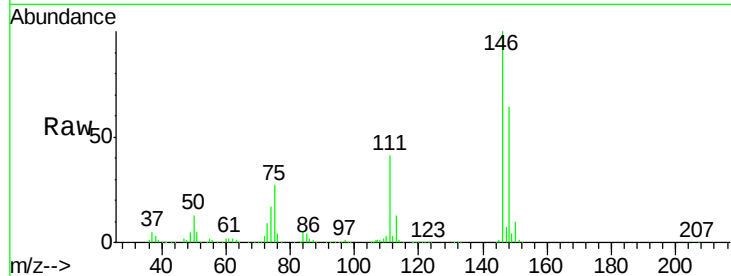
#91
 1,2-Dichlorobenzene
 Concen: 54.874 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067481.D
 Acq: 30 Oct 2020 19:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	22.0	66.0
148	63.1	32.5	97.5

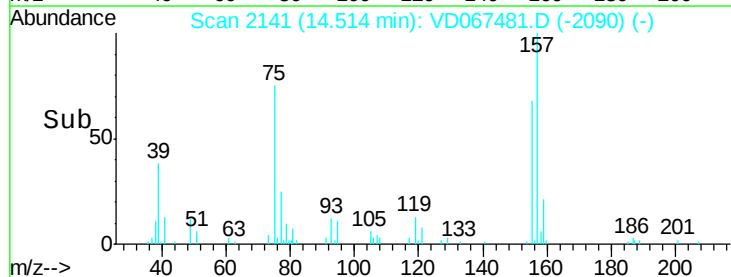
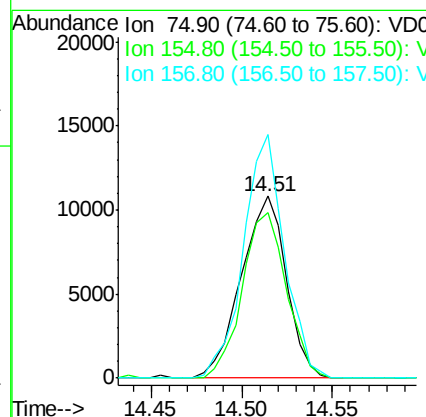
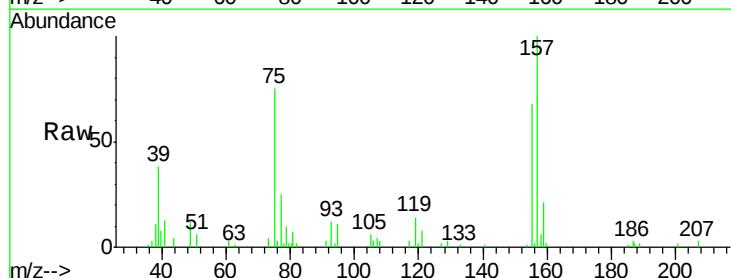
Manual Integrations
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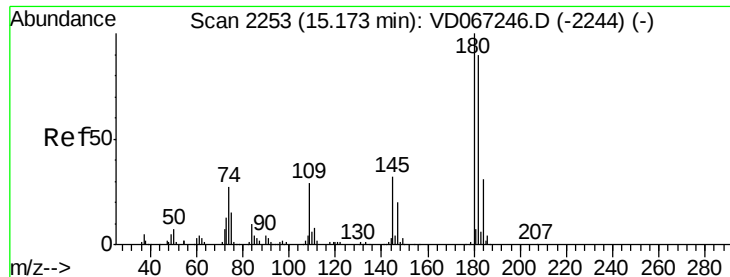
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.273 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD067481.D
 Acq: 30 Oct 2020 19:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.2	44.8	134.4
157	122.1	62.5	187.4





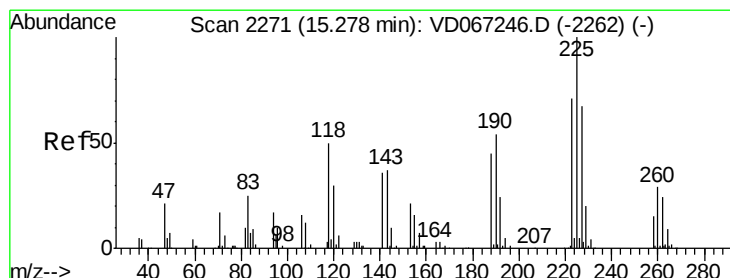
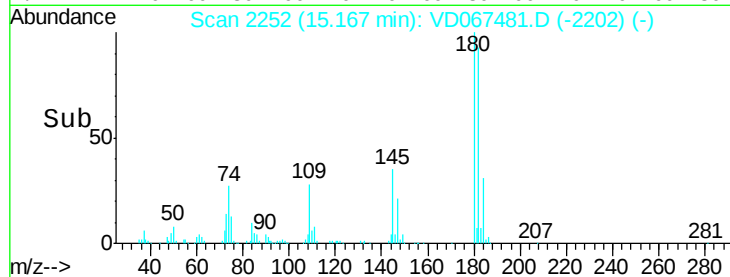
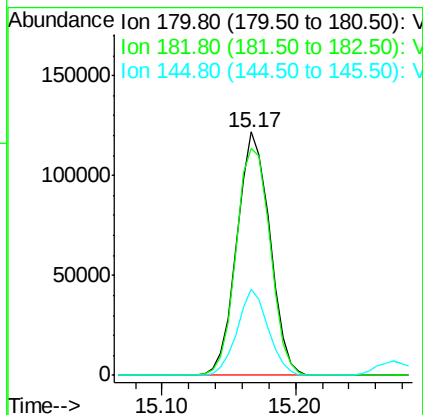
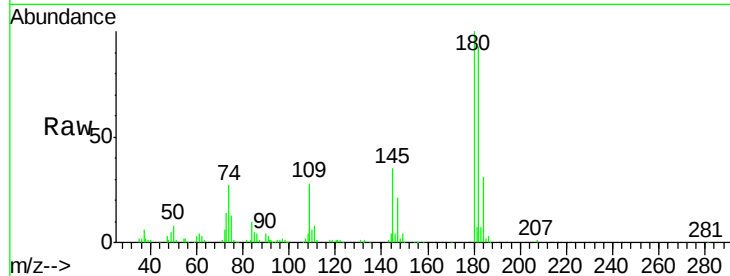
#93
 1,2,4-Trichlorobenzene
 Concen: 56.323 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD067481.D
 Acq: 30 Oct 2020 19:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	180	Resp:	208283
Ion Ratio	Lower	Upper	
180	100		
182	96.3	48.1	144.4
145	33.4	16.3	48.9

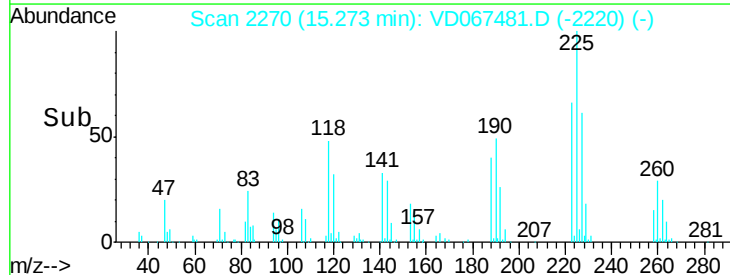
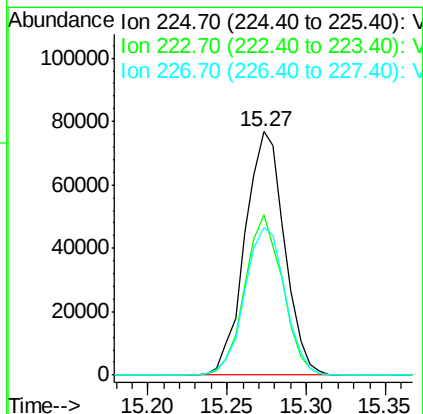
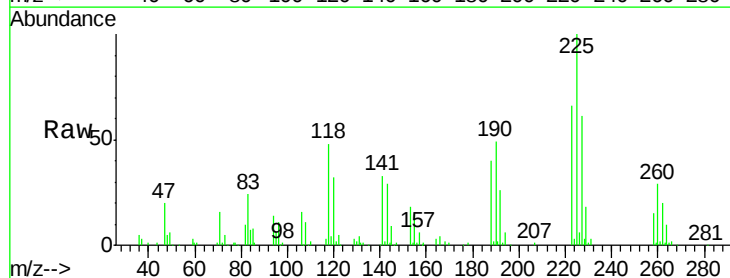
Manual Integrations
 APPROVED

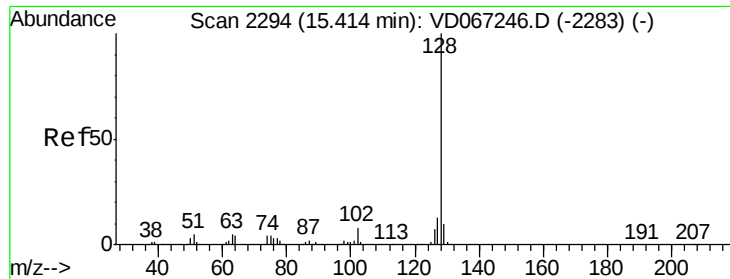
MMDadoda
 11/2/2020 4:09:38 PM



#94
 Hexachlorobutadiene
 Concen: 57.943 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.01 min
 Lab File: VD067481.D
 Acq: 30 Oct 2020 19:21

Tgt Ion:	225	Resp:	133063
Ion Ratio	Lower	Upper	
225	100		
223	62.8	31.9	95.7
227	62.0	31.2	93.6





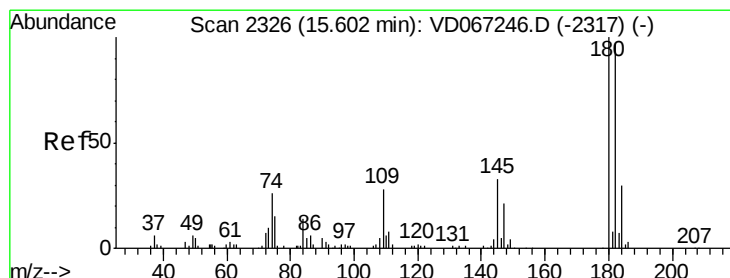
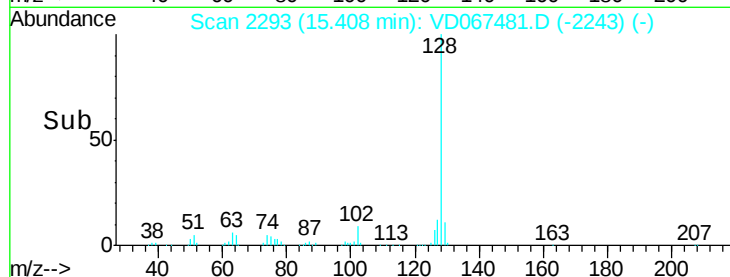
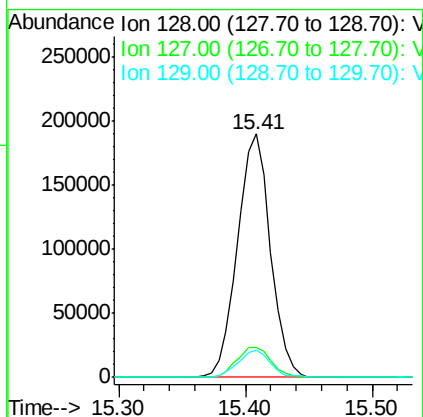
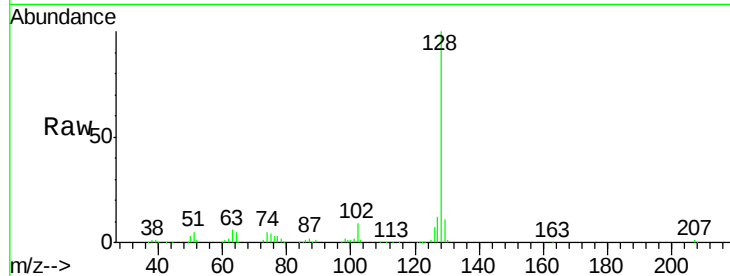
#95
Naphthalene
Concen: 56.194 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD067481.D
Acq: 30 Oct 2020 19:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.8	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
11/2/2020 4:09:38 PM



#96
1,2,3-Trichlorobenzene
Concen: 56.157 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD067481.D
Acq: 30 Oct 2020 19:21

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	48.1	144.3
145	33.9	17.3	51.9

