

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100920\
 Data File : VD067223.D
 Acq On : 09 Oct 2020 20:29
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 10/12/2020 10:42:35 AM

Quant Time: Oct 10 01:12:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	423959	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	662109	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	602891	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	291235	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	198198	48.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.08%	
35) Dibromofluoromethane	7.91	113	231243	53.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.70%	
50) Toluene-d8	10.34	98	803487	50.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.74%	
62) 4-Bromofluorobenzene	12.64	95	283283	52.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.66%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	171554	50.294	ug/l	100
3) Chloromethane	2.21	50	144480	42.792	ug/l	100
4) Vinyl Chloride	2.35	62	148150	43.761	ug/l	97
5) Bromomethane	2.77	94	120577	55.754	ug/l	96
6) Chloroethane	2.93	64	99740	48.377	ug/l	100
7) Trichlorofluoromethane	3.27	101	331738	44.105	ug/l	97
8) Diethyl Ether	3.71	74	91826	49.231	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.10	101	197239	46.395	ug/l	97
10) Methyl Iodide	4.30	142	198608	48.079	ug/l	99
11) Tert butyl alcohol	5.22	59	56062	230.455	ug/l	96
12) 1,1-Dichloroethene	4.07	96	184518	46.170	ug/l	99
13) Acrolein	3.92	56	62803	229.683	ug/l	99
14) Allyl chloride	4.71	41	238647	45.965	ug/l	96
15) Acrylonitrile	5.43	53	165563	241.178	ug/l	97
16) Acetone	4.15	43	133913	214.825	ug/l	97
17) Carbon Disulfide	4.41	76	538344	43.892	ug/l	100
18) Methyl Acetate	4.71	43	77922	49.736	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	376164	51.559	ug/l	98
20) Methylene Chloride	4.96	84	228239	51.869	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	219369	48.232	ug/l	93
22) Diisopropyl ether	6.37	45	462174	48.760	ug/l	96
23) Vinyl Acetate	6.30	43	1306652	243.274	ug/l	99
24) 1,1-Dichloroethane	6.27	63	351308	48.026	ug/l	99
25) 2-Butanone	7.21	43	196046	221.828	ug/l	99
26) 2,2-Dichloropropane	7.21	77	308518	49.262	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	240782	49.569	ug/l	98
28) Bromochloromethane	7.55	49	138366	48.980	ug/l	89
29) Tetrahydrofuran	7.57	42	118007	232.222	ug/l	95
30) Chloroform	7.71	83	394483	49.713	ug/l	99
31) Cyclohexane	7.98	56	254133	41.439	ug/l	93
32) 1,1,1-Trichloroethane	7.90	97	363913	49.484	ug/l	96
36) 1,1-Dichloropropene	8.11	75	283375	45.916	ug/l	98
37) Ethyl Acetate	7.30	43	96518	45.144	ug/l	99
38) Carbon Tetrachloride	8.10	117	329077	49.281	ug/l	100

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apatel
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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	309070	47.368	ug/l	96
40) Benzene	8.36	78	831380	48.500	ug/l	100
41) Methacrylonitrile	7.53	41	54039m	46.785	ug/l	
42) 1,2-Dichloroethane	8.43	62	232942	48.631	ug/l	99
43) Isopropyl Acetate	8.45	43	186418	47.330	ug/l	99
44) Trichloroethene	9.11	130	251636	49.160	ug/l	98
45) 1,2-Dichloropropane	9.39	63	196339	48.747	ug/l	96
46) Dibromomethane	9.48	93	114105	49.291	ug/l	94
47) Bromodichloromethane	9.66	83	303783	50.483	ug/l	98
48) Methyl methacrylate	9.46	41	89251	44.231	ug/l #	80
49) 1,4-Dioxane	9.47	88	21998	910.497	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	465906	237.484	ug/l	98
52) Toluene	10.41	92	557558	50.493	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	270393	50.277	ug/l	94
54) cis-1,3-Dichloropropene	10.09	75	326865	49.772	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	158533	49.258	ug/l	96
56) Ethyl methacrylate	10.66	69	178686	53.775	ug/l	97
57) 1,3-Dichloropropane	10.95	76	259527	49.727	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	499506	270.084	ug/l	99
59) 2-Hexanone	10.98	43	314306	240.035	ug/l	97
60) Dibromochloromethane	11.14	129	220946	51.507	ug/l	96
61) 1,2-Dibromoethane	11.25	107	156420	50.588	ug/l	97
64) Tetrachloroethene	10.88	164	212488	48.480	ug/l	96
65) Chlorobenzene	11.67	112	606989	50.622	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	238635	52.320	ug/l	99
67) Ethyl Benzene	11.75	91	1067325	51.951	ug/l	98
68) m/p-Xylenes	11.86	106	810035	101.170	ug/l	97
69) o-Xylene	12.18	106	371087	51.828	ug/l	95
70) Styrene	12.20	104	648914	52.780	ug/l	100
71) Bromoform	12.37	173	123056	51.975	ug/l #	97
73) Isopropylbenzene	12.48	105	1023551	51.759	ug/l	100
74) N-amyl acetate	12.29	43	166078	46.718	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	157701	47.331	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	115023m	45.343	ug/l	
77) Bromobenzene	12.77	156	249626	52.278	ug/l	95
78) n-propylbenzene	12.83	91	1175556	50.300	ug/l	99
79) 2-Chlorotoluene	12.91	91	679397	50.809	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	872707	52.234	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	51780	50.889	ug/l	93
82) 4-Chlorotoluene	13.01	91	714328	50.210	ug/l	100
83) tert-Butylbenzene	13.23	119	747222	53.109	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	870092	52.183	ug/l	100
85) sec-Butylbenzene	13.41	105	1005097	50.728	ug/l	100
86) p-Isopropyltoluene	13.52	119	936846	51.001	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	459891	49.446	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	461647	49.640	ug/l	99
89) n-Butylbenzene	13.85	91	842178	50.166	ug/l	99
90) Hexachloroethane	14.12	117	158964	49.403	ug/l	94
91) 1,2-Dichlorobenzene	13.90	146	412362	50.766	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	24513	45.641	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	278715	53.047	ug/l	99
94) Hexachlorobutadiene	15.28	225	165051	51.151	ug/l	99
95) Naphthalene	15.41	128	466321	53.211	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	236233	51.794	ug/l	97

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

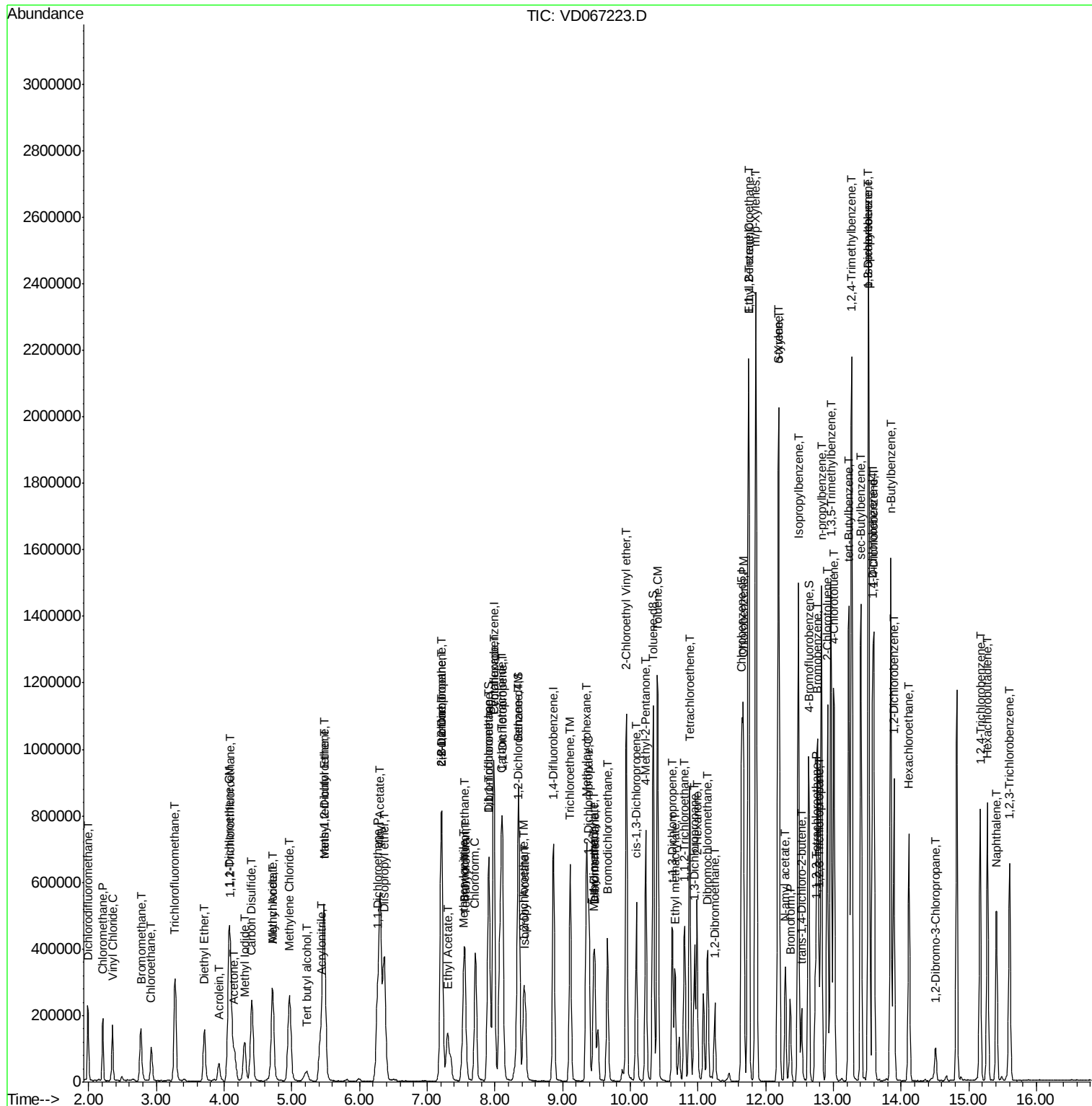
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100920\
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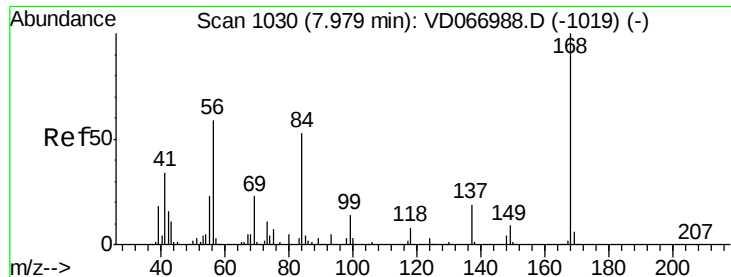
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD067223.D

Acq: 09 Oct 2020 20:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 423959

Ion Ratio Lower Upper

168 100

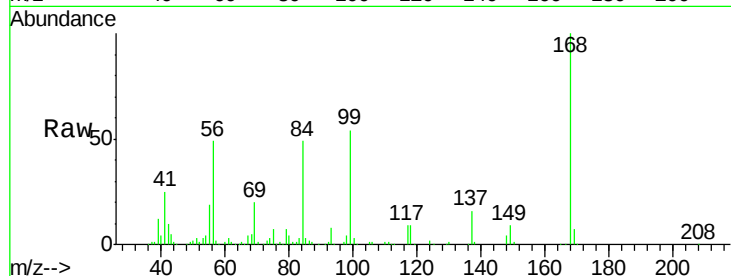
99 54.0 44.1 66.1

Manual Integrations

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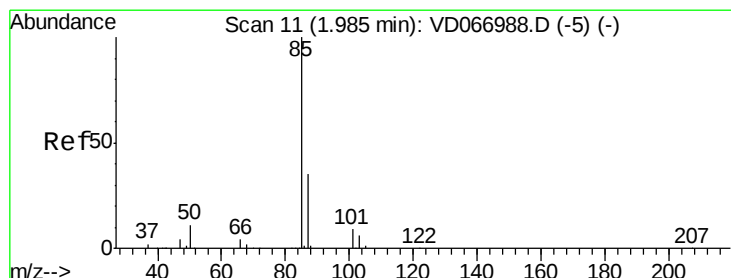
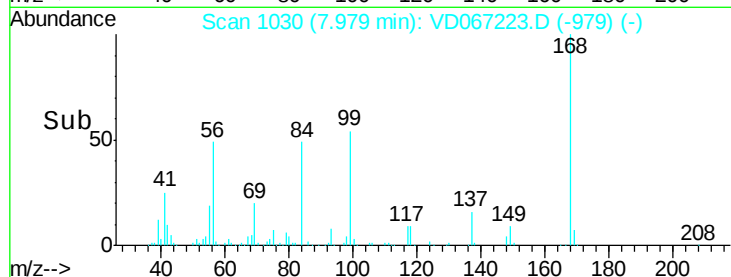
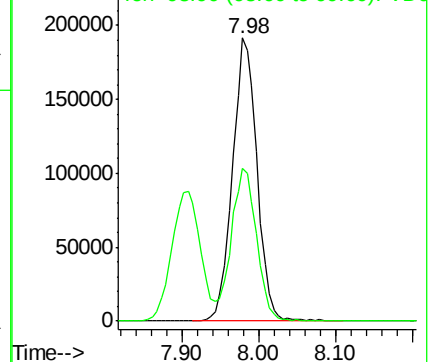
apatel

10/12/2020 10:42:35 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 50.294 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067223.D

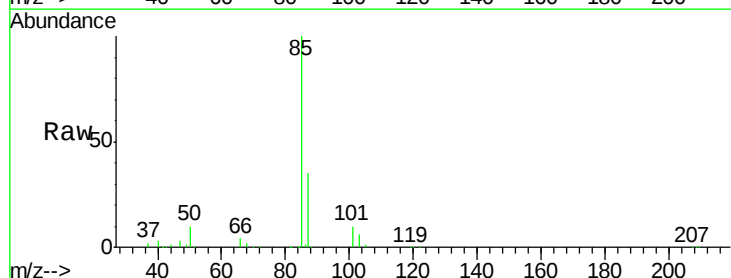
Acq: 09 Oct 2020 20:29

Tgt Ion: 85 Resp: 171554

Ion Ratio Lower Upper

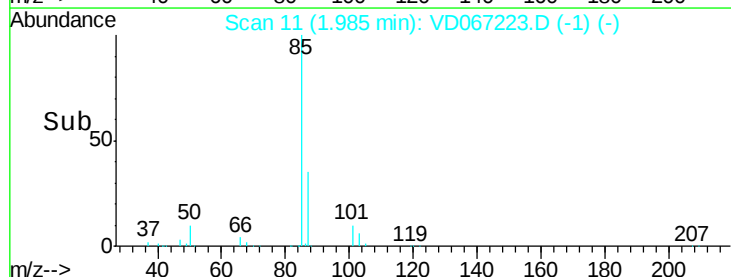
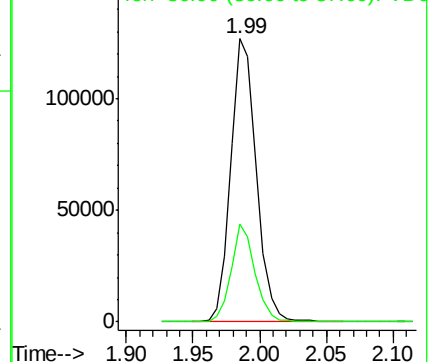
85 100

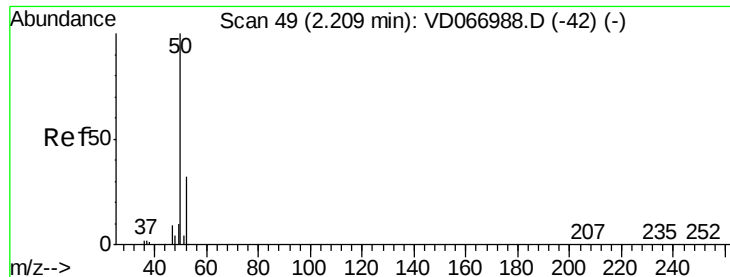
87 34.6 17.3 52.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 42.792 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067223.D

Acq: 09 Oct 2020 20:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 144480

Ion Ratio Lower Upper

50 100

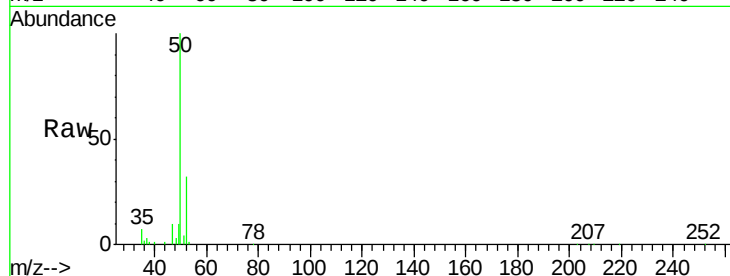
52 31.7 25.3 37.9

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

120000

100000

80000

60000

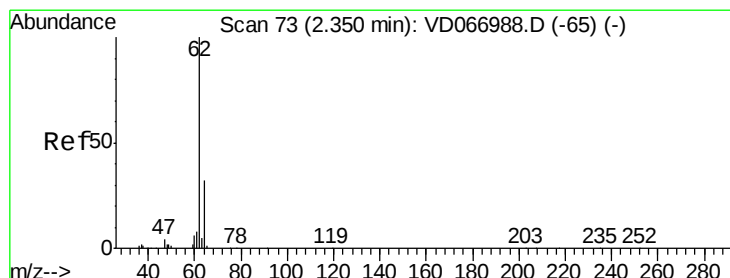
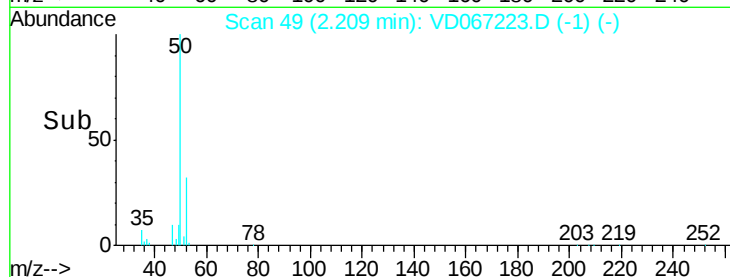
40000

20000

0

2.15 2.20 2.25 2.30

Time-->



#4

Vinyl Chloride

Concen: 43.761 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067223.D

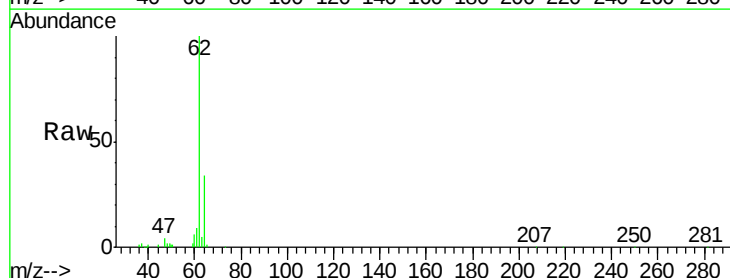
Acq: 09 Oct 2020 20:29

Tgt Ion: 62 Resp: 148150

Ion Ratio Lower Upper

62 100

64 34.0 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

100000

80000

60000

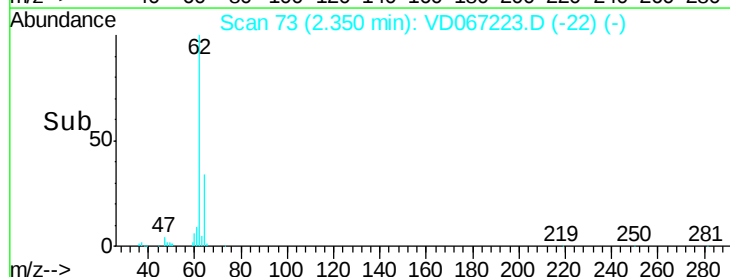
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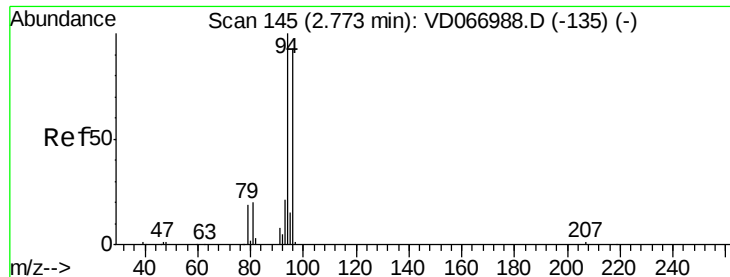
20000

0

2.30 2.35 2.40

Time-->





#5

Bromomethane

Concen: 55.754 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067223.D

Acq: 09 Oct 2020 20:29

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 120577

Ion Ratio Lower Upper

94 100

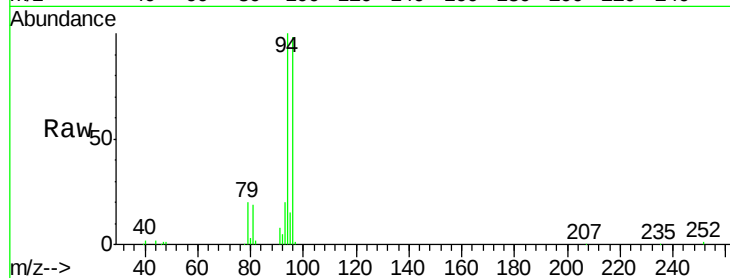
96 97.6 74.6 112.0

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

60000

50000

40000

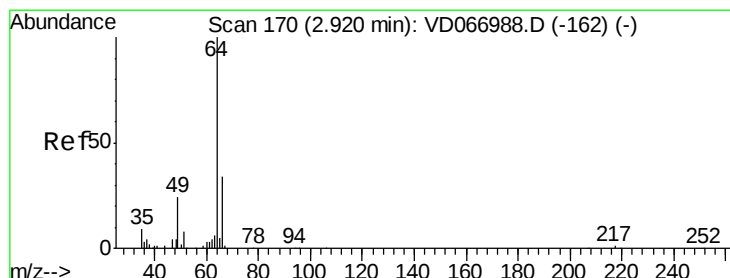
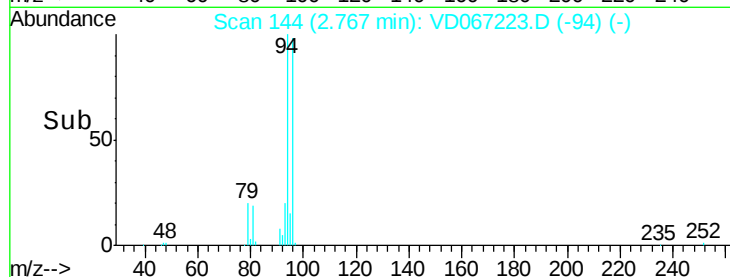
30000

20000

10000

0

Time--> 2.65 2.70 2.75 2.80 2.85



#6

Chloroethane

Concen: 48.377 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD067223.D

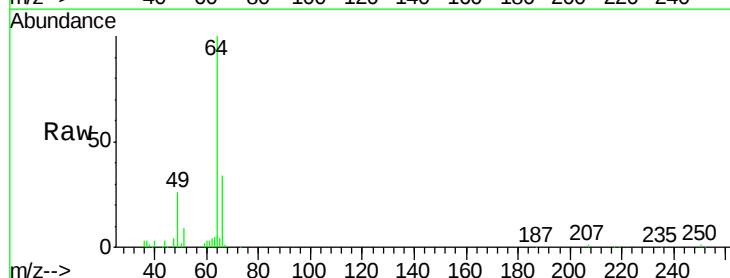
Acq: 09 Oct 2020 20:29

Tgt Ion: 64 Resp: 99740

Ion Ratio Lower Upper

64 100

66 33.8 27.0 40.6



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.93

50000

40000

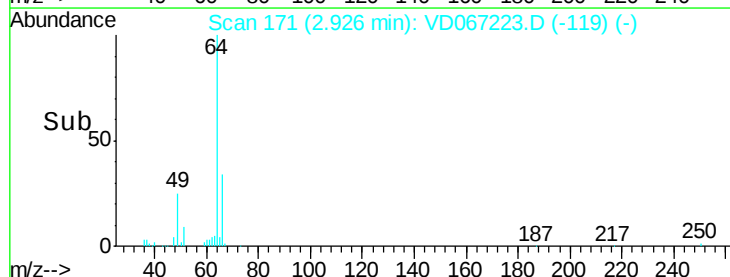
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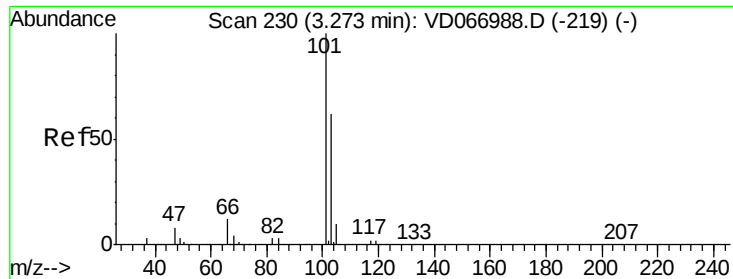
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10000

0

Time--> 2.80 2.90 3.00





#7

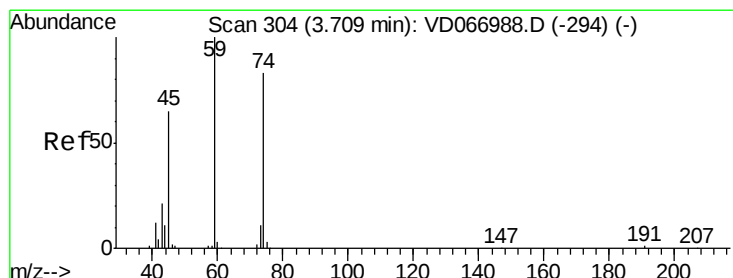
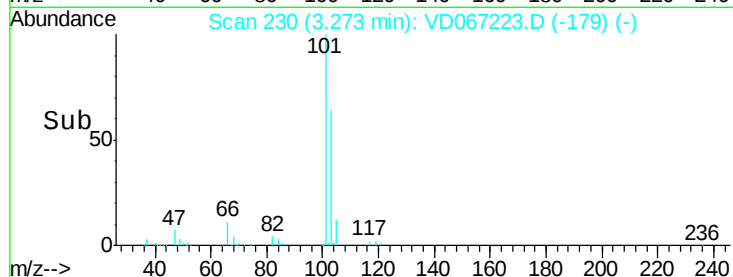
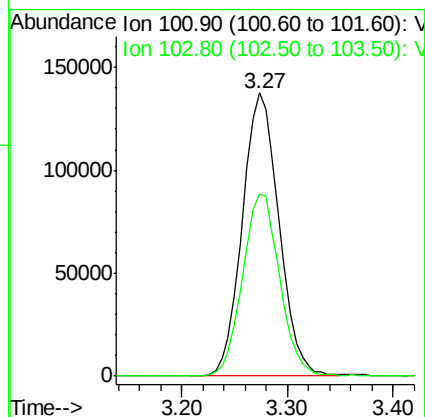
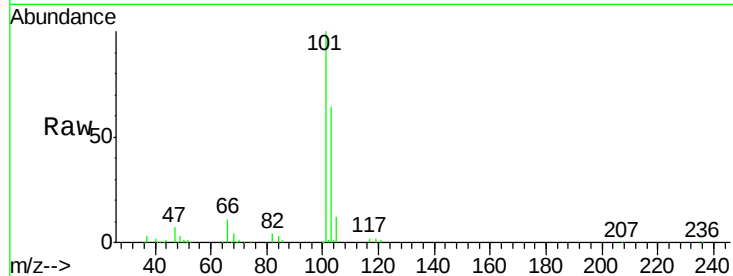
Trichlorofluoromethane
 Concen: 44.105 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD067223.D
 Acq: 09 Oct 2020 20:29

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
331738	101	100			
	103	64.3	49.8	74.8	

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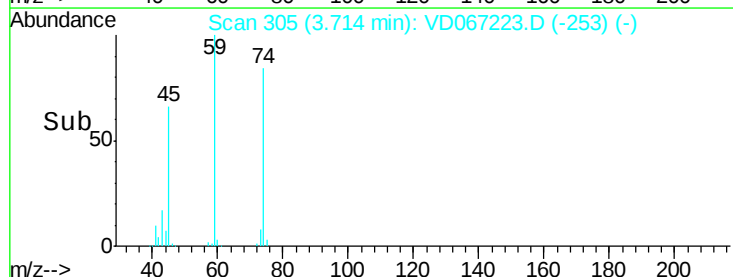
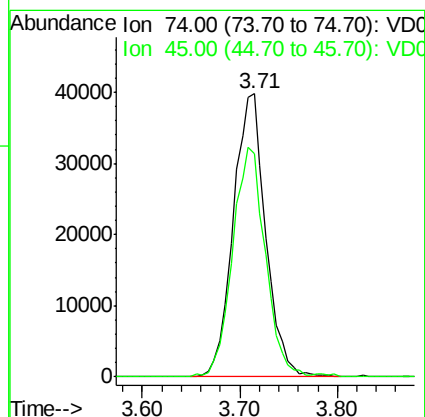
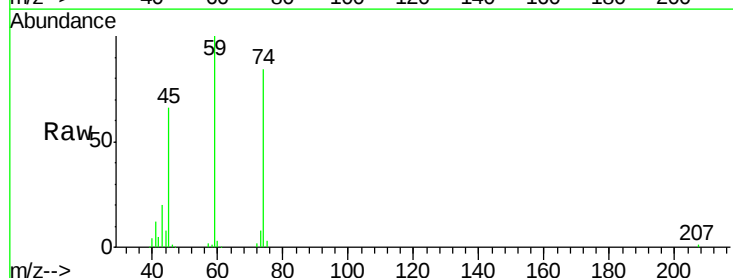
apatel
 10/12/2020 10:42:35 AM

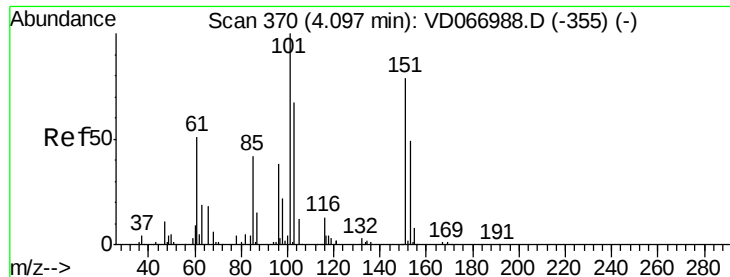


#8

Diethyl Ether
 Concen: 49.231 ug/l
 RT: 3.71 min Scan# 305
 Delta R.T. 0.01 min
 Lab File: VD067223.D
 Acq: 09 Oct 2020 20:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91826	74	100			
	45	82.1	43.1	129.3	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.395 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067223.D

Acq: 09 Oct 2020 20:29

Instrument :

MSVOA_D

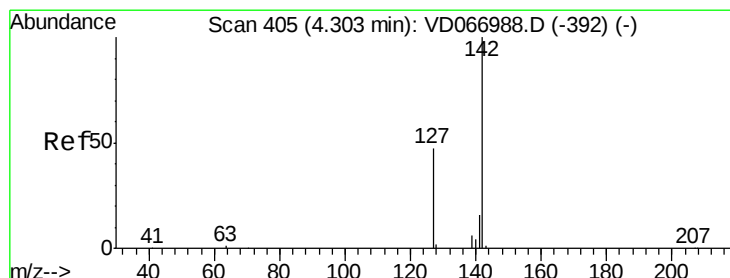
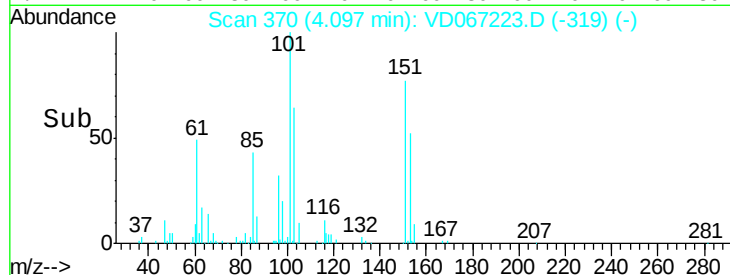
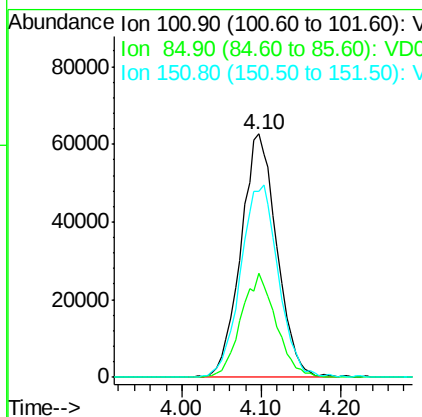
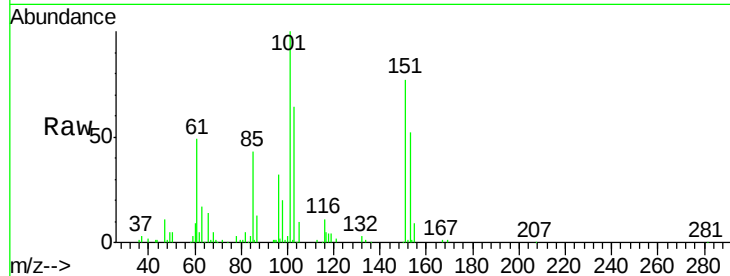
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	197239
Ion Ratio	Lower	Upper	
101	100		
85	41.6	33.8	50.8
151	83.3	63.8	95.8

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#10

Methyl Iodide

Concen: 48.079 ug/l

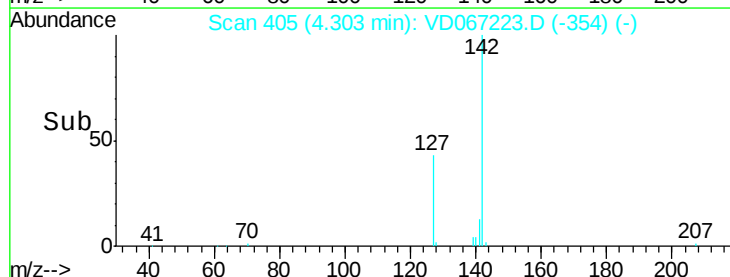
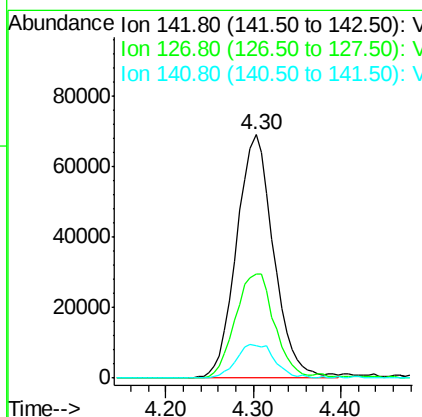
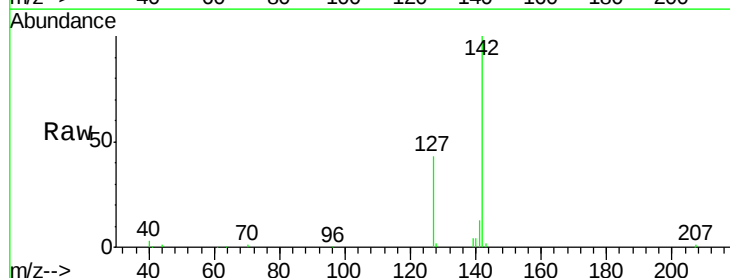
RT: 4.30 min Scan# 405

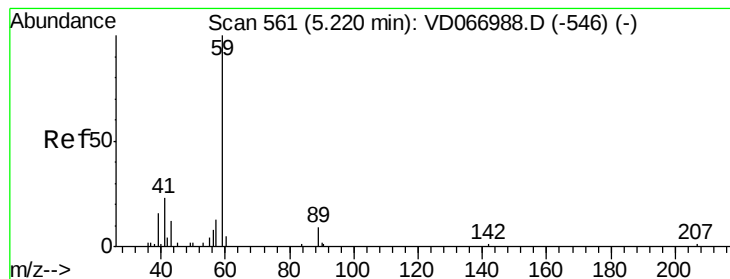
Delta R.T. 0.00 min

Lab File: VD067223.D

Acq: 09 Oct 2020 20:29

Tgt Ion:	142	Resp:	198608
Ion Ratio	Lower	Upper	
142	100		
127	45.1	36.3	54.5
141	14.5	12.0	18.0





#11

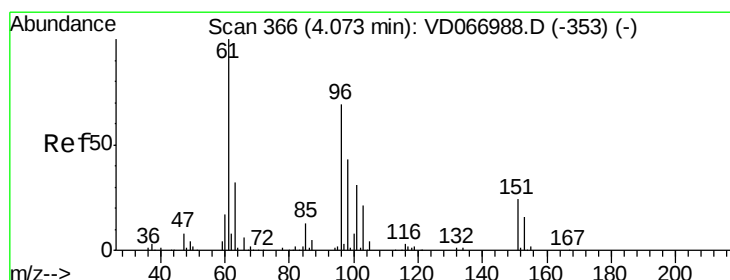
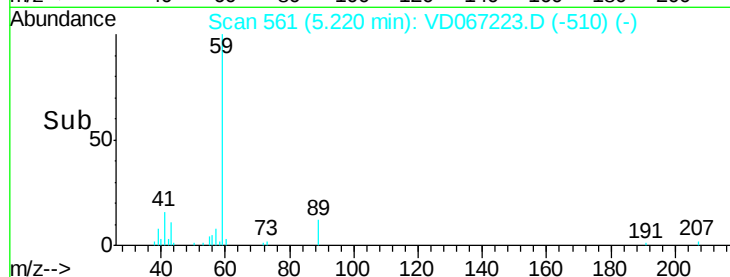
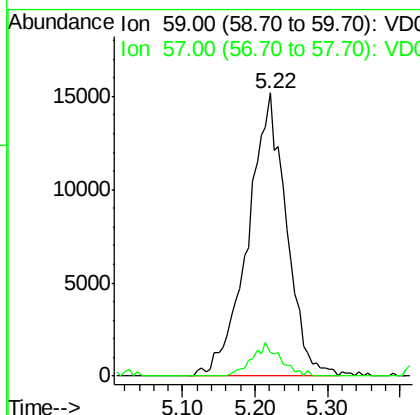
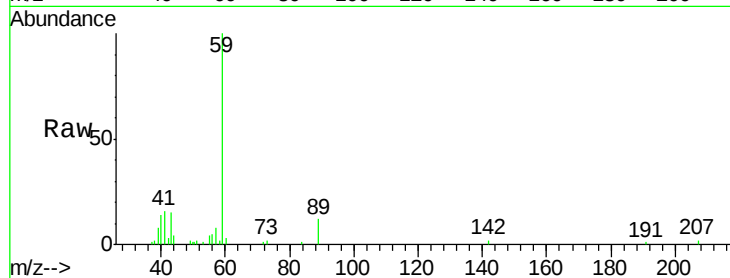
Tert butyl alcohol
Concen: 230.455 ug/l
RT: 5.22 min Scan# 561
Delta R.T. 0.00 min
Lab File: VD067223.D
Acq: 09 Oct 2020 20:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.7	8.2	12.4

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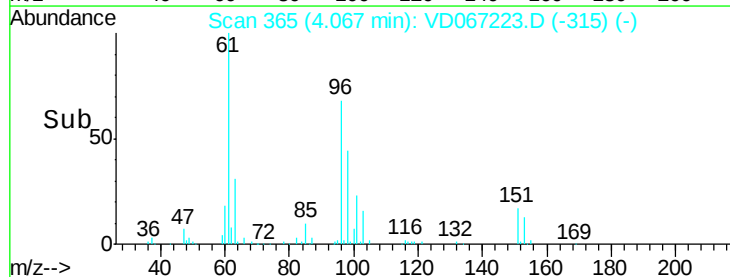
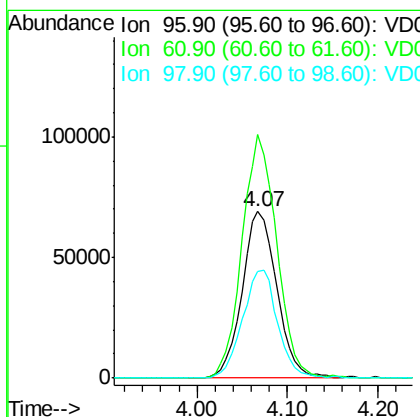
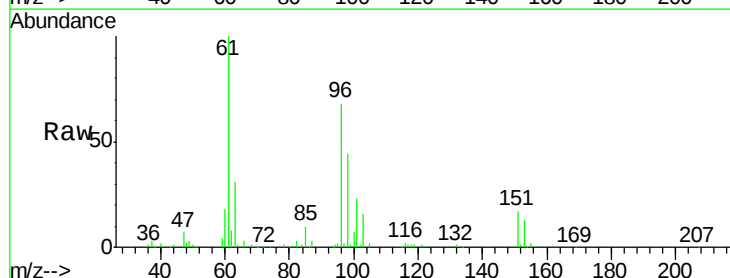
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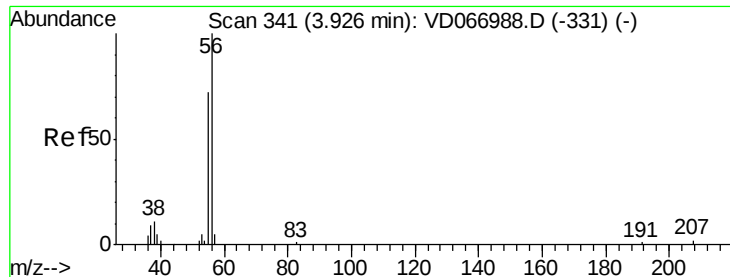


#12

1,1-Dichloroethene
Concen: 46.170 ug/l
RT: 4.07 min Scan# 365
Delta R.T. -0.01 min
Lab File: VD067223.D
Acq: 09 Oct 2020 20:29

Tgt Ion	Ratio	Lower	Upper
96	100		
61	146.5	116.4	174.6
98	64.4	49.9	74.9





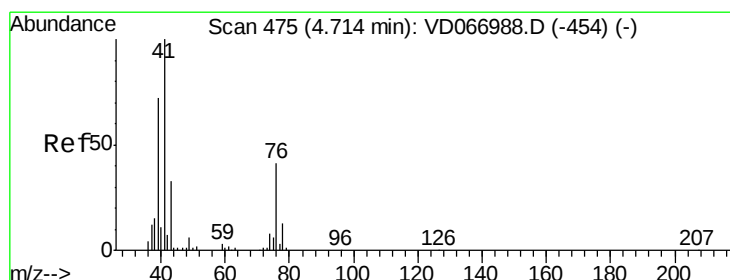
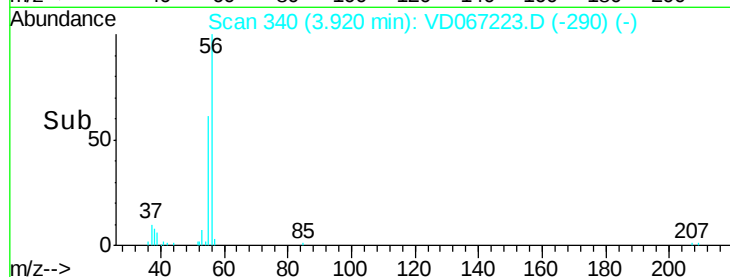
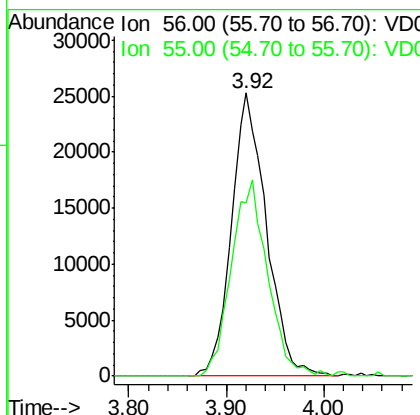
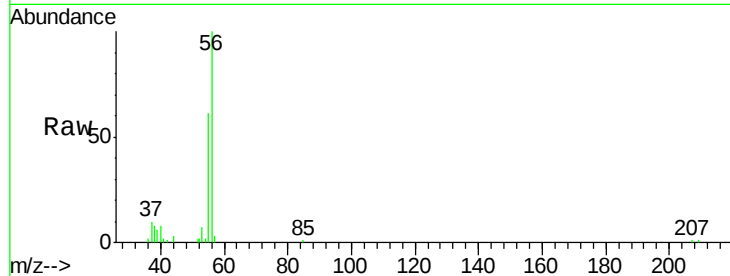
#13
Acrolein
Concen: 229.683 ug/l
RT: 3.92 min Scan# 340
Delta R.T. -0.01 min
Lab File: VD067223.D
Acq: 09 Oct 2020 20:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.8	56.9	85.3

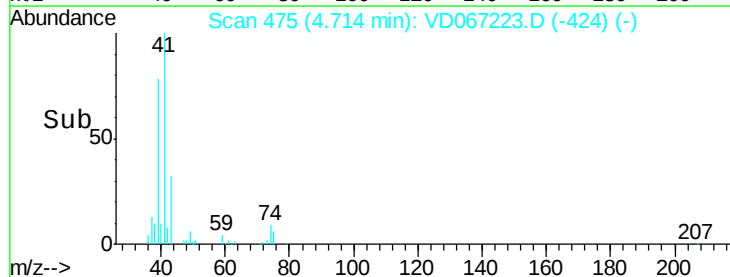
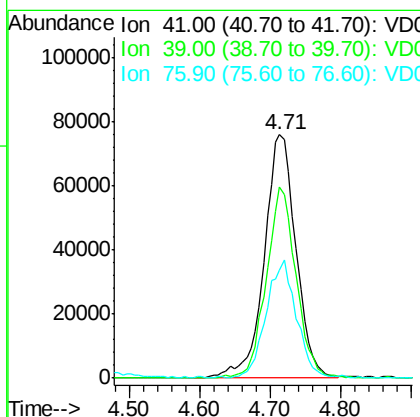
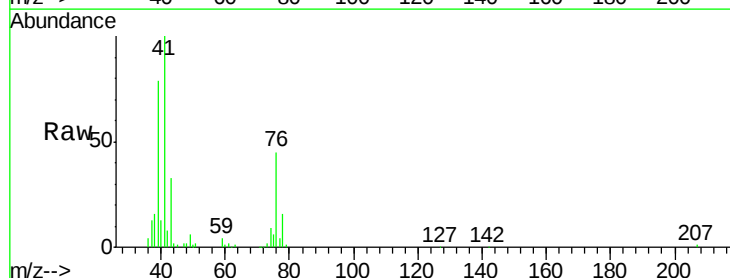
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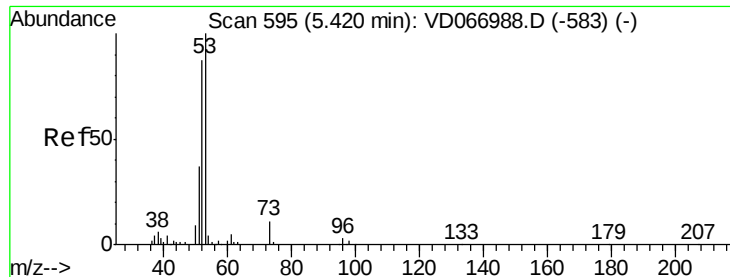
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#14
Allyl chloride
Concen: 45.965 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD067223.D
Acq: 09 Oct 2020 20:29

Tgt Ion	Ratio	Lower	Upper
41	100		
39	73.7	56.2	84.2
76	45.4	34.2	51.2





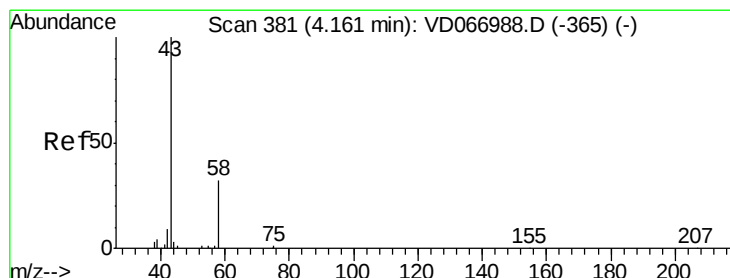
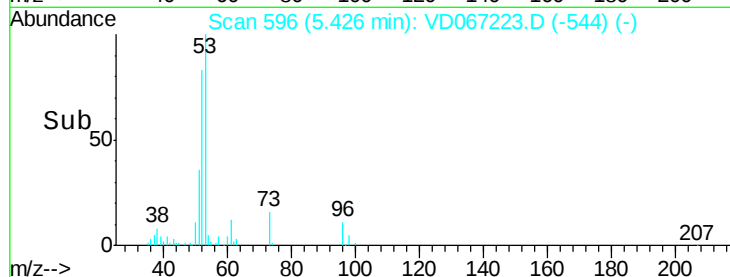
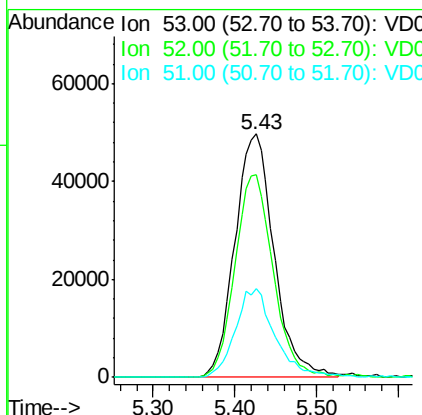
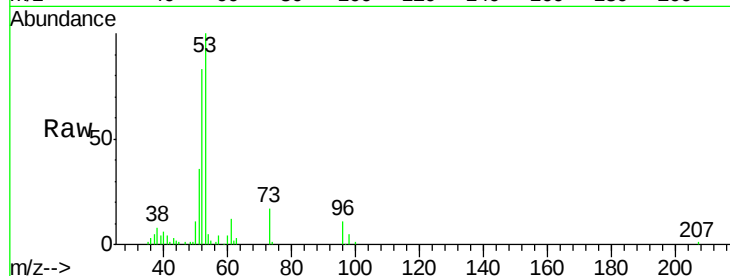
#15
 Acrylonitrile
 Concen: 241.178 ug/l
 RT: 5.43 min Scan# 596
 Delta R.T. 0.01 min
 Lab File: VD067223.D
 Acq: 09 Oct 2020 20:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	53	Resp:	165563
Ion	Ratio	Lower	Upper
53	100		
52	81.1	67.3	100.9
51	36.9	30.2	45.2

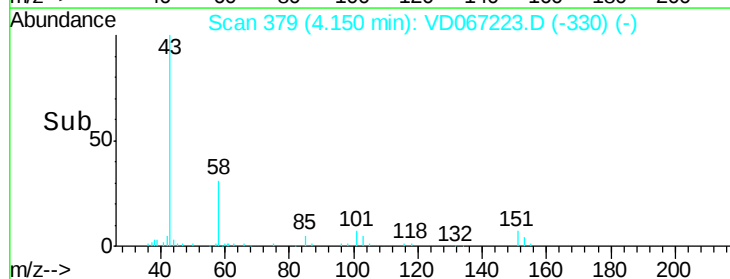
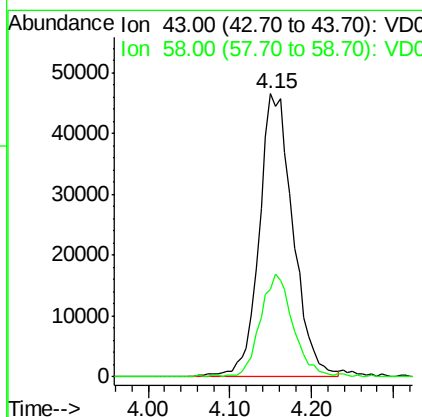
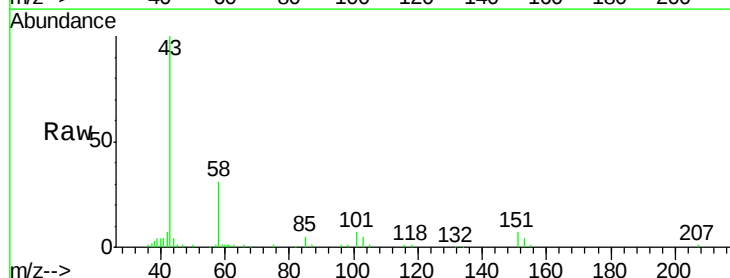
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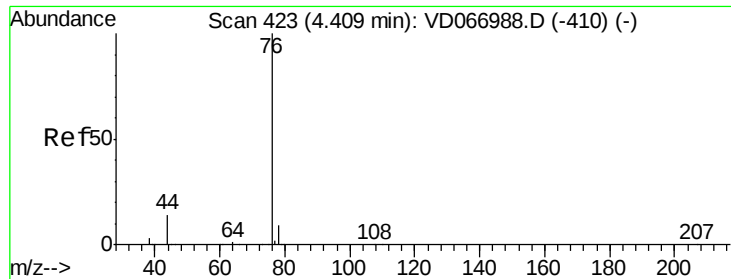
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#16
 Acetone
 Concen: 214.825 ug/l
 RT: 4.15 min Scan# 379
 Delta R.T. -0.01 min
 Lab File: VD067223.D
 Acq: 09 Oct 2020 20:29

Tgt Ion:	43	Resp:	133913
Ion	Ratio	Lower	Upper
43	100		
58	30.7	25.9	38.9





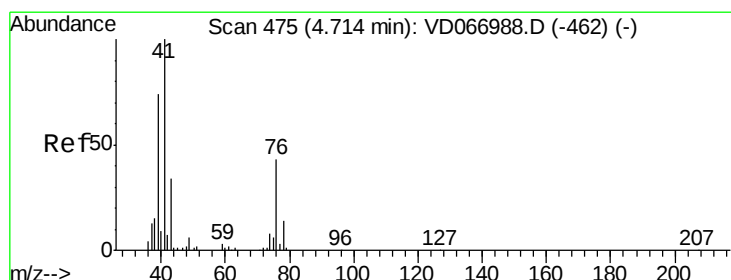
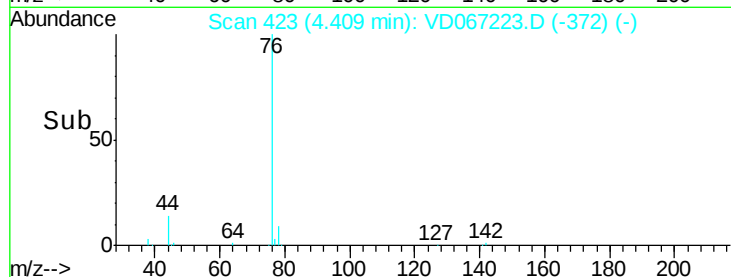
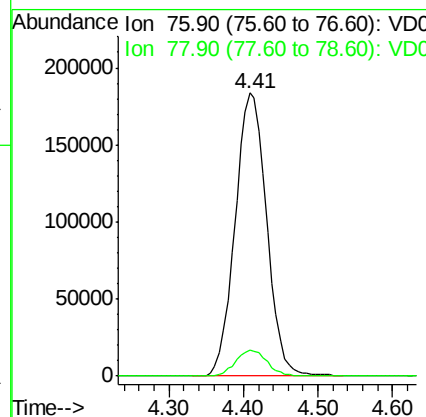
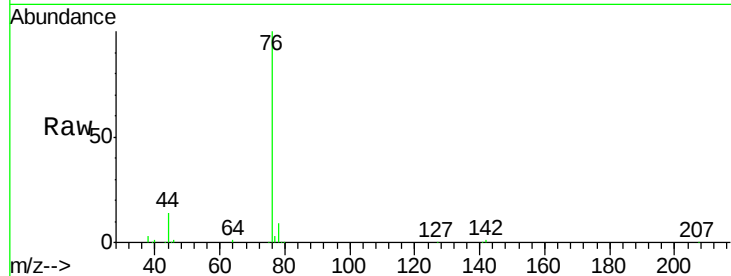
#17
Carbon Disulfide
Concen: 43.892 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD067223.D
Acq: 09 Oct 2020 20:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.5	11.3

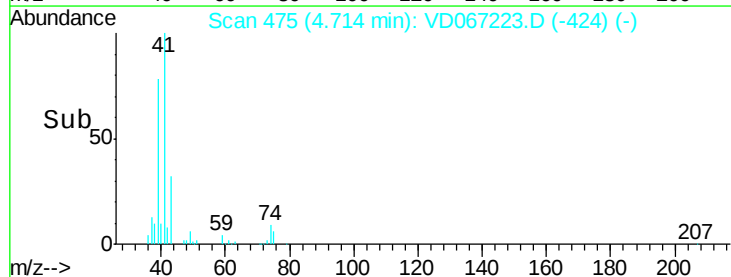
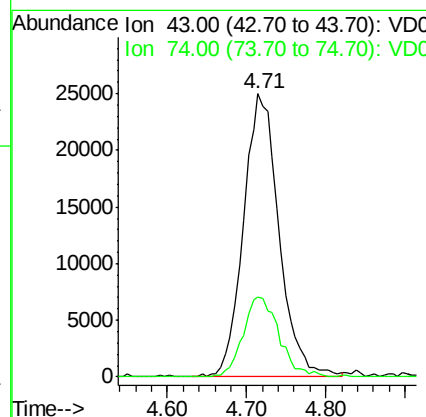
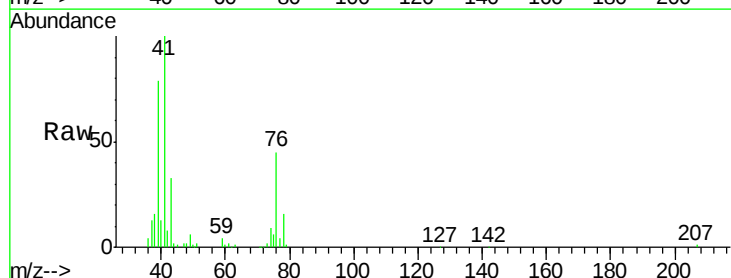
Manual Integrations
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#18
Methyl Acetate
Concen: 49.736 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD067223.D
Acq: 09 Oct 2020 20:29

Tgt Ion	Ratio	Lower	Upper
43	100		
74	28.4	21.5	32.3





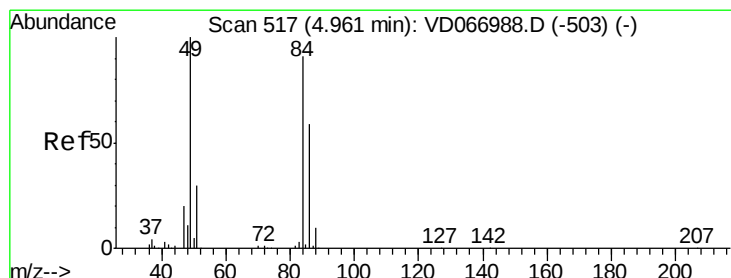
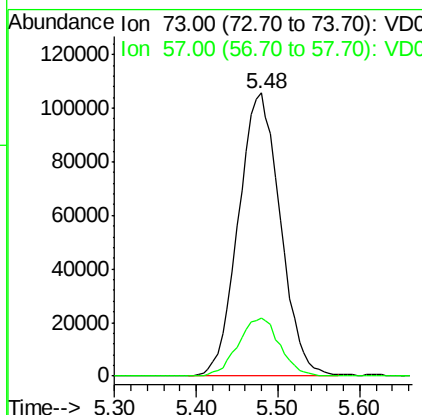
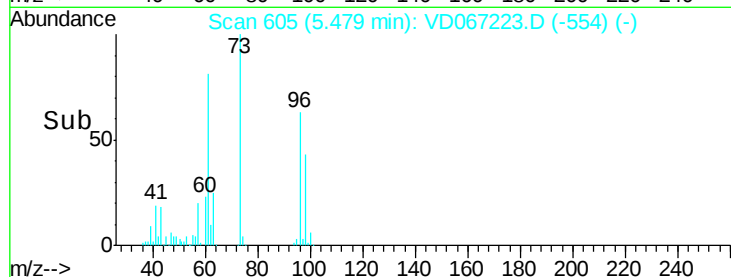
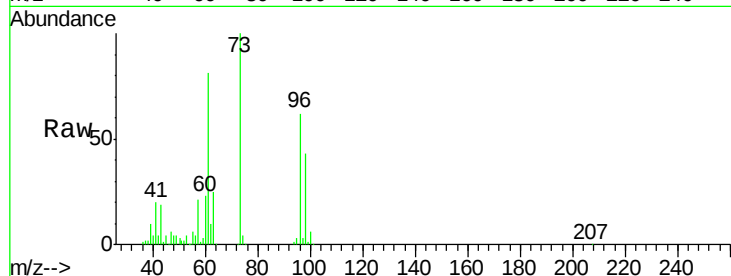
#19
Methvl tert-butvl Ether
Concen: 51.559 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD067223.D
Acq: 09 Oct 2020 20:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 376164
Ion Ratio Lower Upper
73 100
57 20.6 17.4 26.0

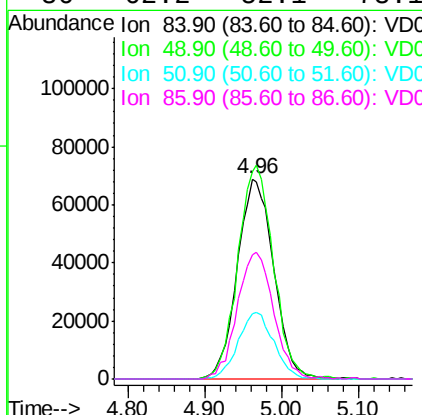
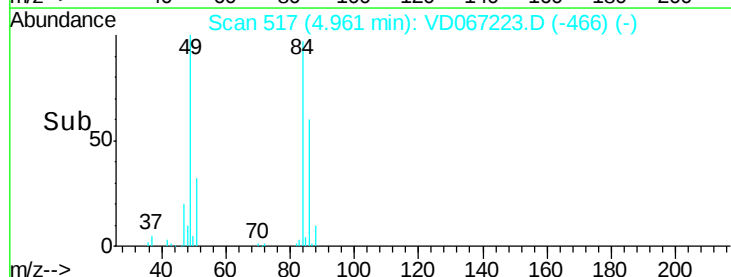
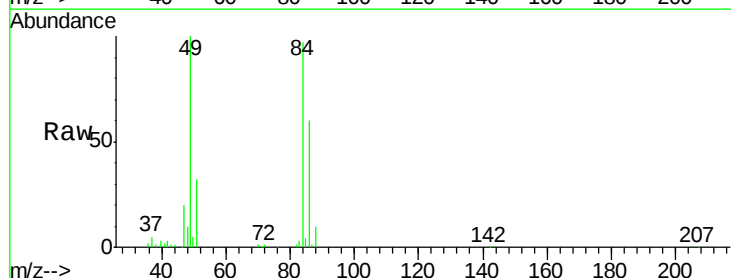
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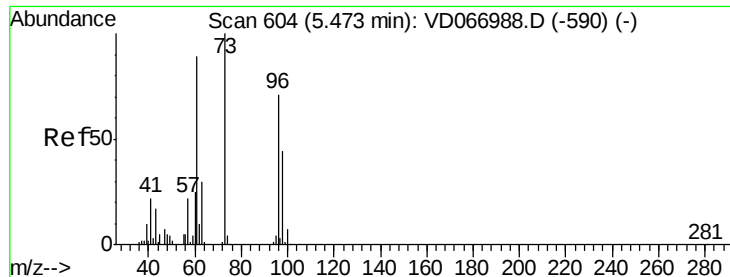
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#20
Methylene Chloride
Concen: 51.869 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD067223.D
Acq: 09 Oct 2020 20:29

Tgt Ion: 84 Resp: 228239
Ion Ratio Lower Upper
84 100
49 103.4 88.2 132.2
51 32.9 26.6 39.8
86 62.2 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 48.232 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD067223.D

Acq: 09 Oct 2020 20:29

Instrument :

MSVOA_D

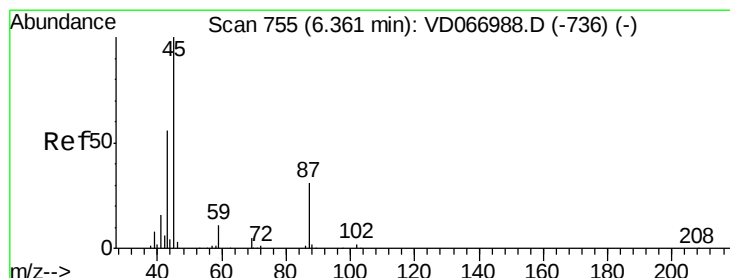
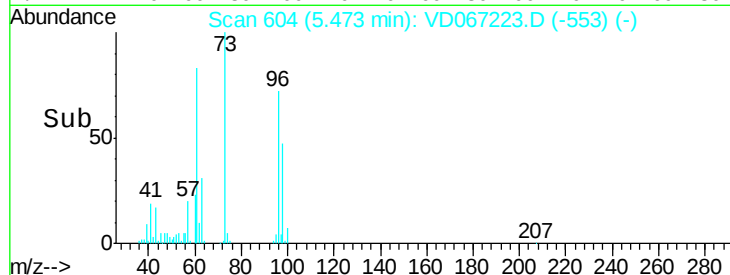
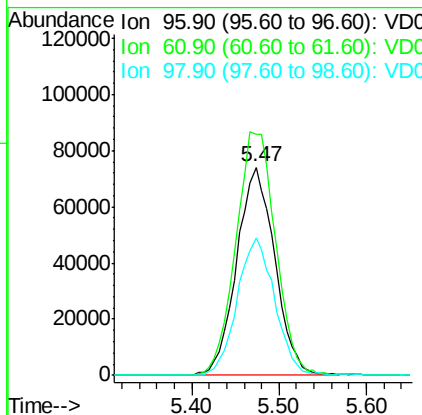
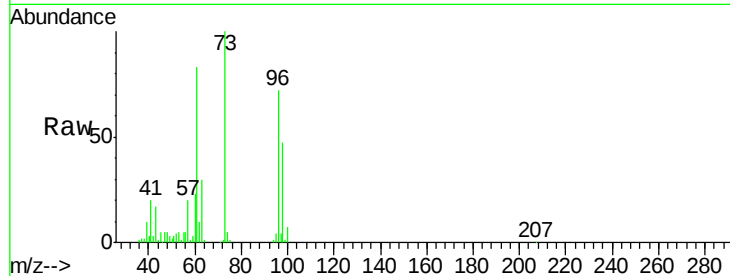
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	219369
Ion	Ratio	Lower	Upper
96	100		
61	116.3	99.6	149.4
98	66.2	49.4	74.2

Manual Integrations
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#22

Diisopropyl ether

Concen: 48.760 ug/l

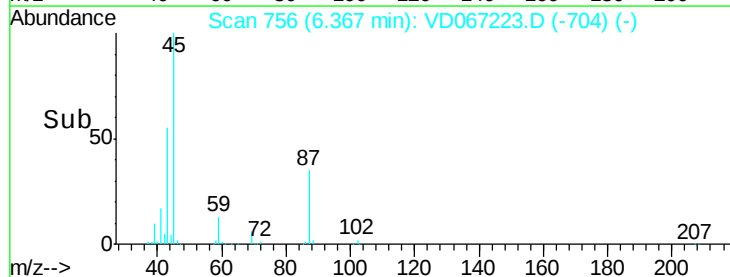
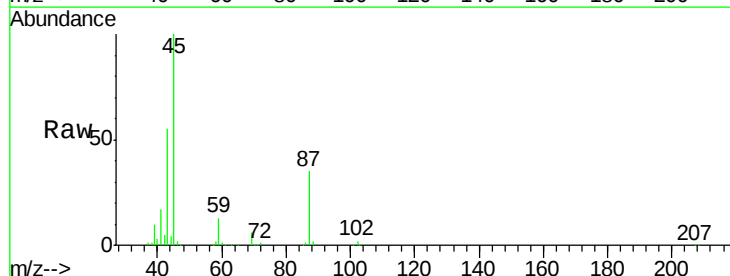
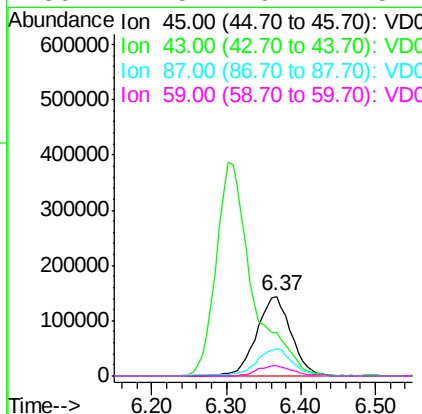
RT: 6.37 min Scan# 755

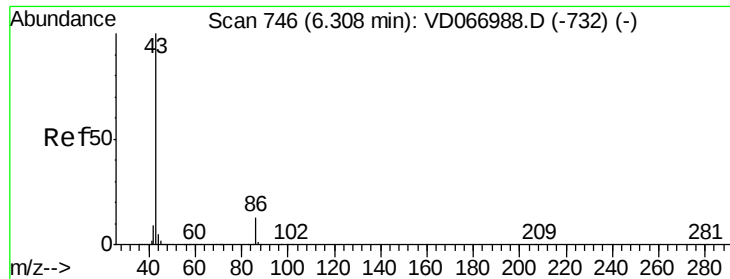
Delta R.T. 0.01 min

Lab File: VD067223.D

Acq: 09 Oct 2020 20:29

Tgt Ion:	45	Resp:	462174
Ion	Ratio	Lower	Upper
45	100		
43	53.7	45.2	67.8
87	34.4	25.6	38.4
59	12.5	9.1	13.7





#23

Vinyl Acetate

Concen: 243.274 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD067223.D

Acq: 09 Oct 2020 20:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1306652

Ion Ratio Lower Upper

43 100

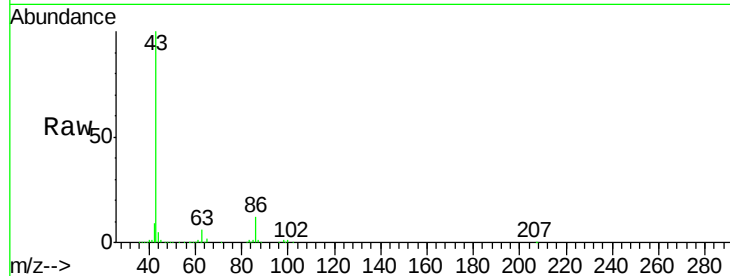
86 12.2 10.2 15.2

Manual Integrations

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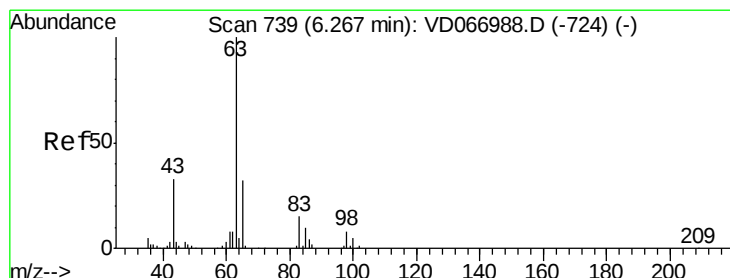
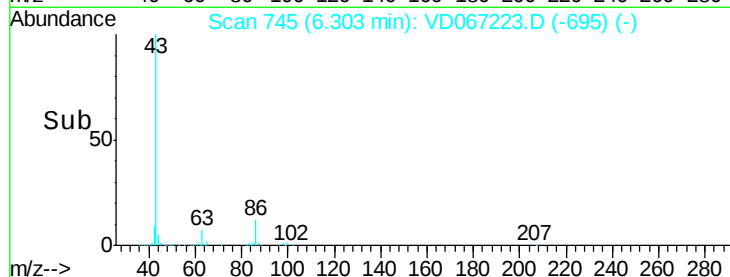
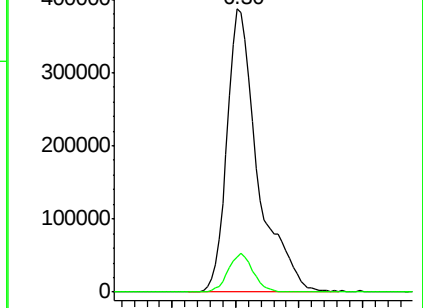
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 48.026 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD067223.D

Acq: 09 Oct 2020 20:29

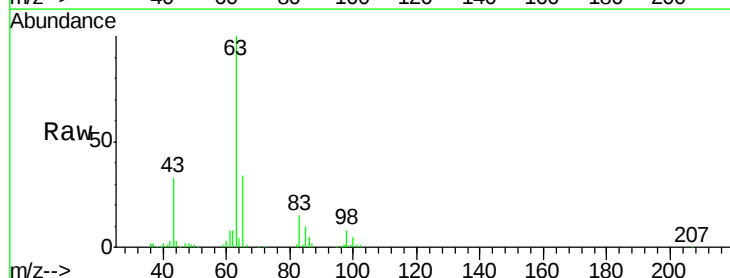
Tgt Ion: 63 Resp: 351308

Ion Ratio Lower Upper

63 100

98 7.9 4.2 12.6

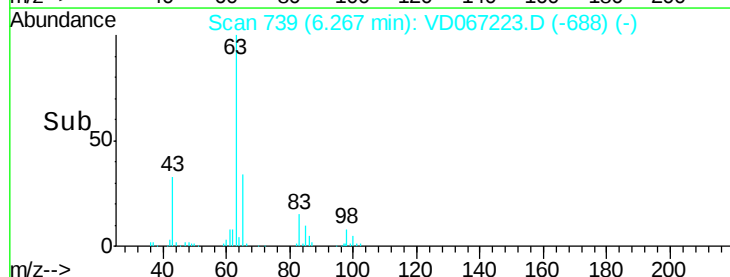
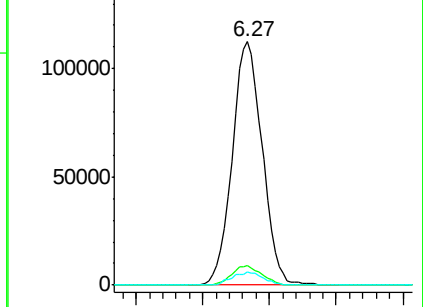
100 5.2 2.6 7.8

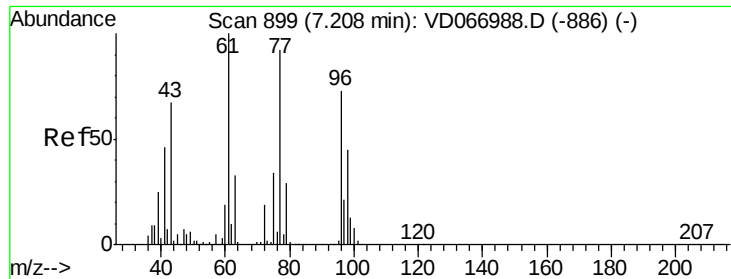


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





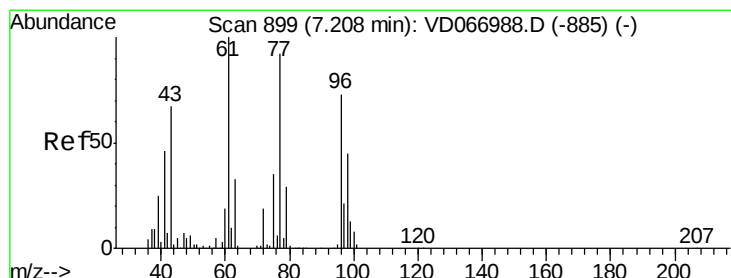
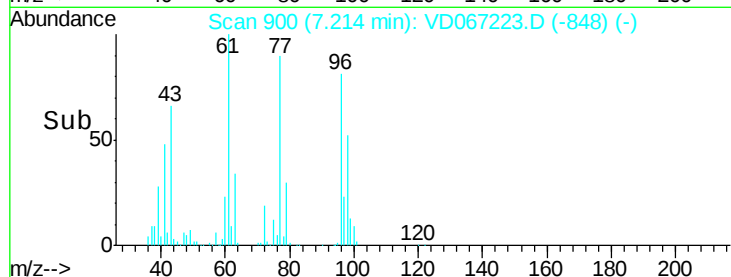
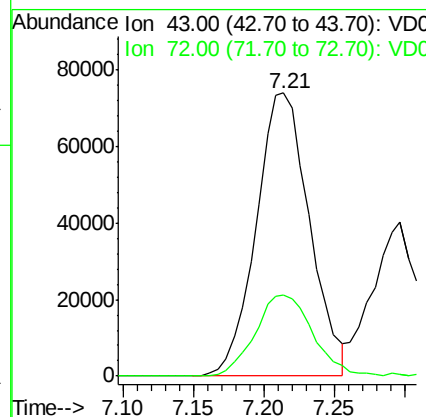
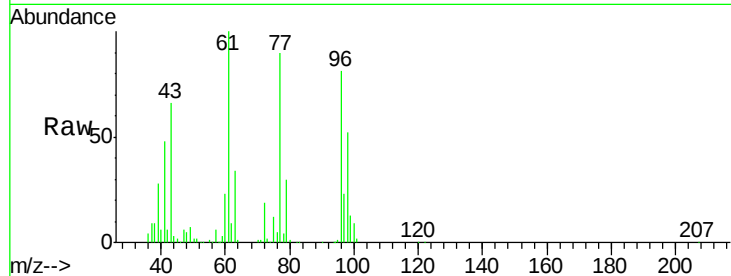
#25
2-Butanone
Concen: 221.828 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD067223.D
Acq: 09 Oct 2020 20:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 196046
Ion Ratio Lower Upper
43 100
72 28.8 22.8 34.2

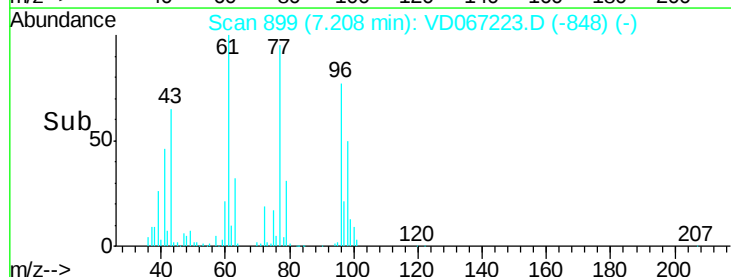
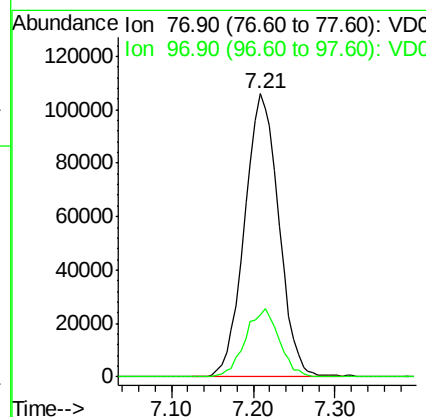
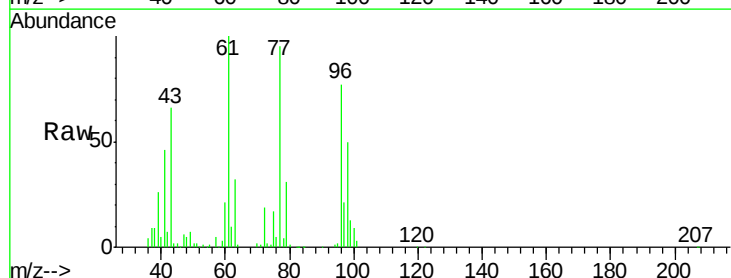
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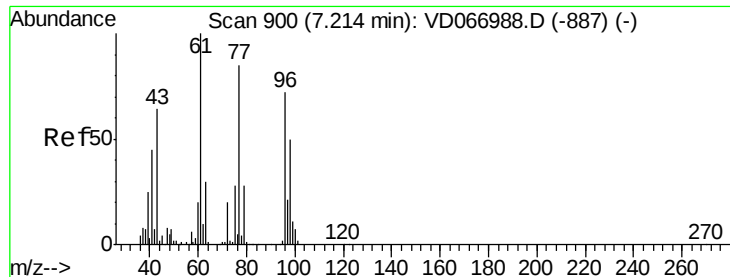
apatel
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#26
2,2-Dichloropropane
Concen: 49.262 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD067223.D
Acq: 09 Oct 2020 20:29

Tgt Ion: 77 Resp: 308518
Ion Ratio Lower Upper
77 100
97 23.9 11.4 34.2





#27

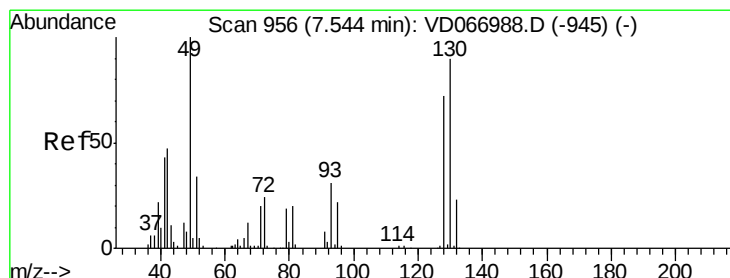
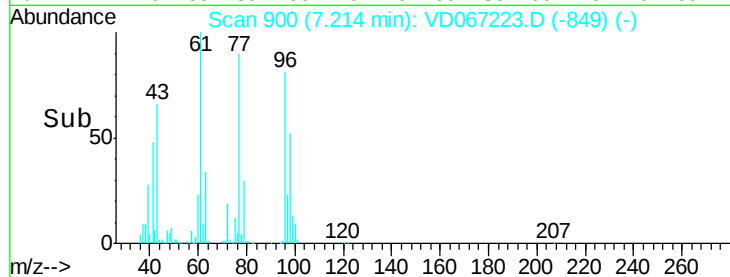
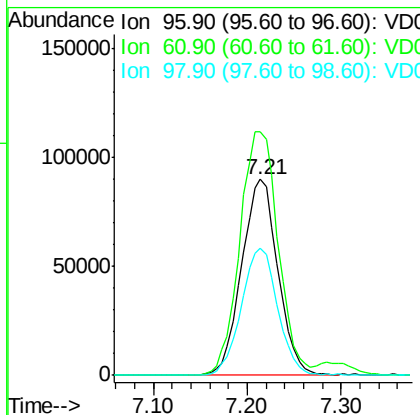
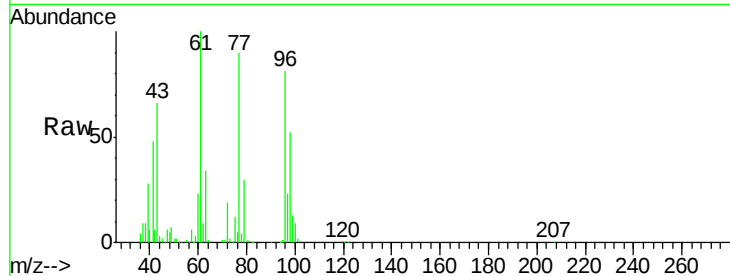
cis-1,2-Dichloroethene
Concen: 49.569 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067223.D
Acq: 09 Oct 2020 20:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	131.2	0.0	269.2	
98	64.7	0.0	129.4	

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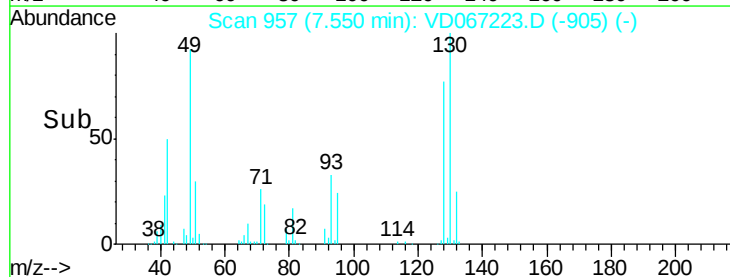
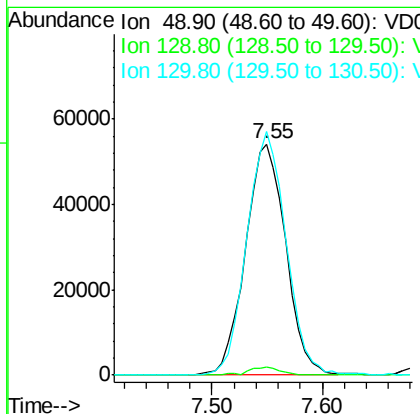
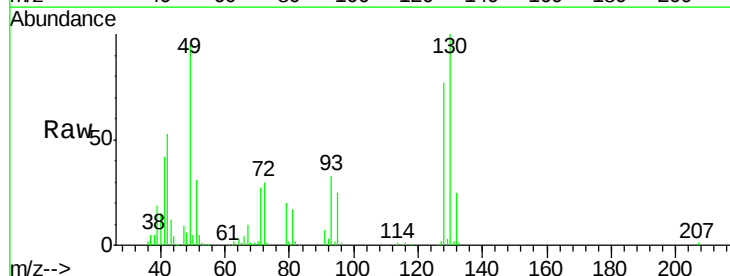
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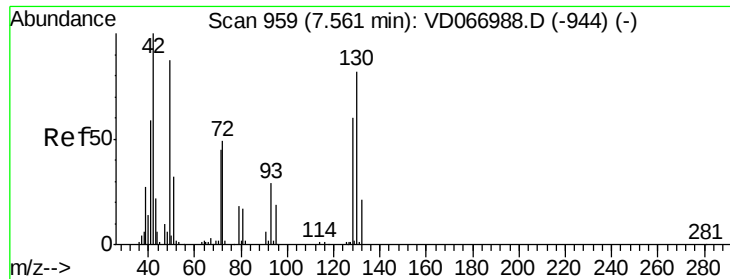


#28

Bromochloromethane
Concen: 48.980 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.01 min
Lab File: VD067223.D
Acq: 09 Oct 2020 20:29

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.7	0.0	4.6	
130	103.3	74.1	111.1	





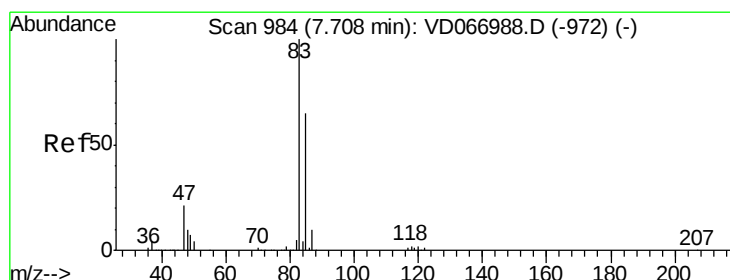
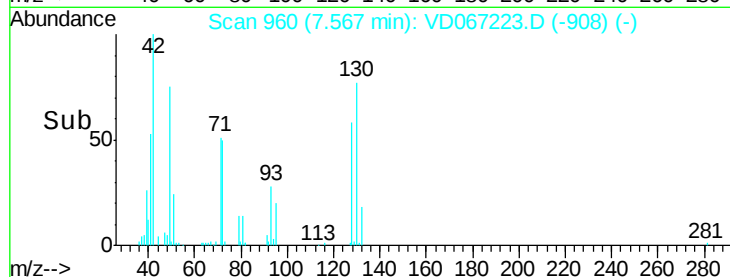
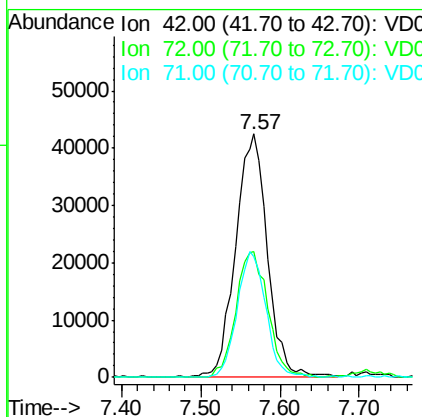
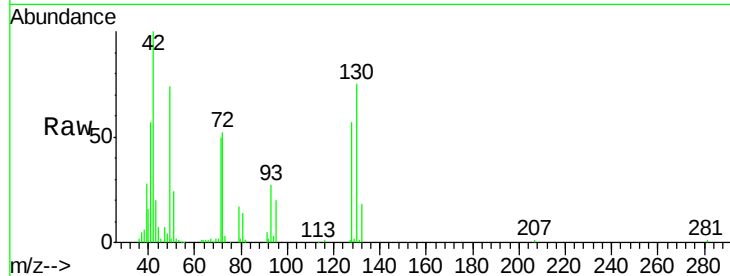
#29
Tetrahydrofuran
Concen: 232.222 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.01 min
Lab File: VD067223.D
Acq: 09 Oct 2020 20:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	52.0	39.1	58.7
71	46.7	34.2	51.4

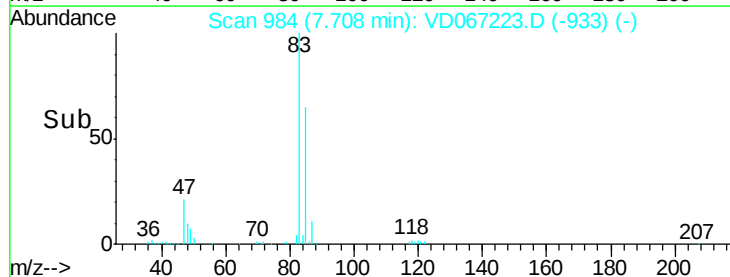
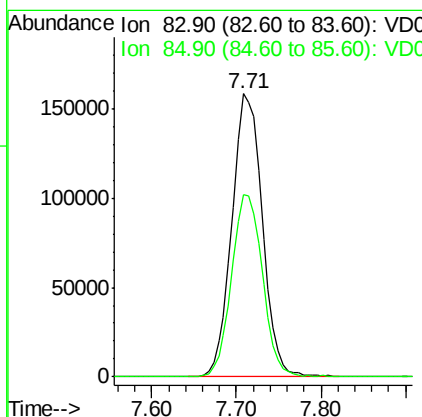
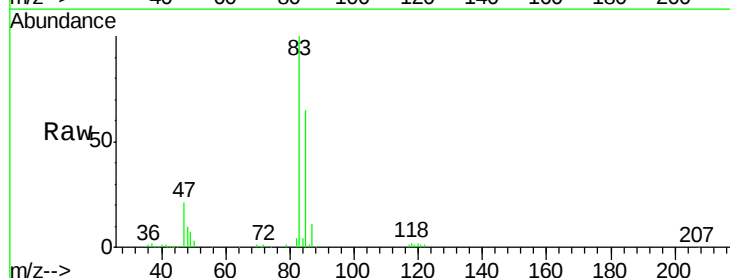
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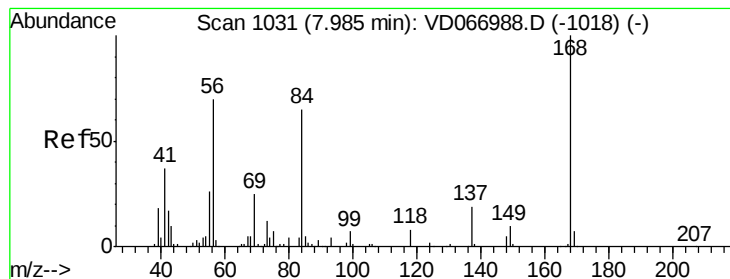
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#30
Chloroform
Concen: 49.713 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.00 min
Lab File: VD067223.D
Acq: 09 Oct 2020 20:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	52.3	78.5





#31

Cyclohexane

Concen: 41.439 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067223.D

Acq: 09 Oct 2020 20:29

Instrument :

MSVOA_D

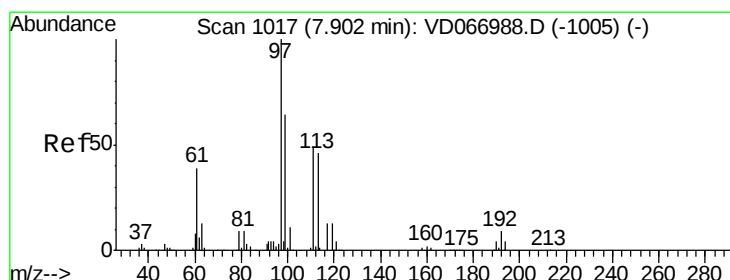
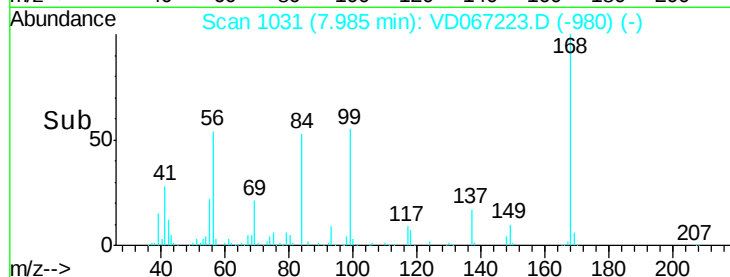
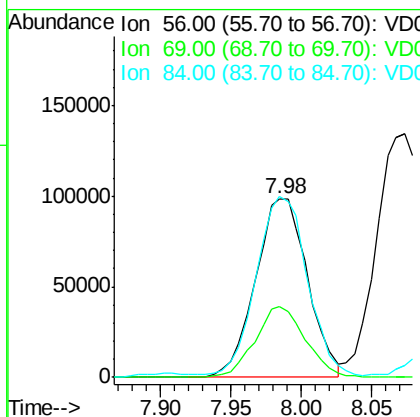
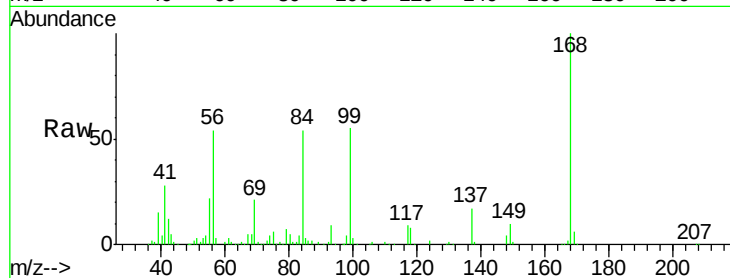
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	254133
Ion	Ratio	Lower	Upper
56	100		
69	39.7	29.0	43.6
84	99.4	74.2	111.2

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#32

1,1,1-Trichloroethane

Concen: 49.484 ug/l

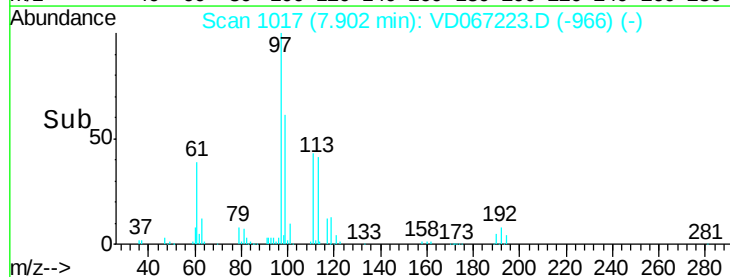
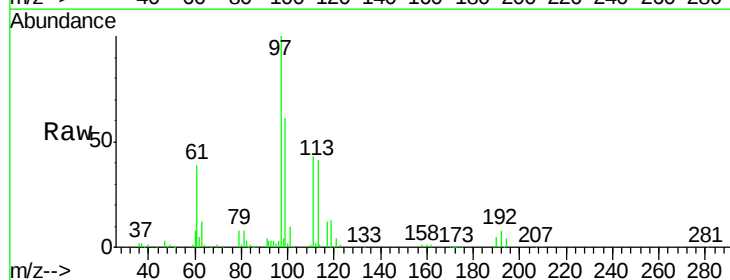
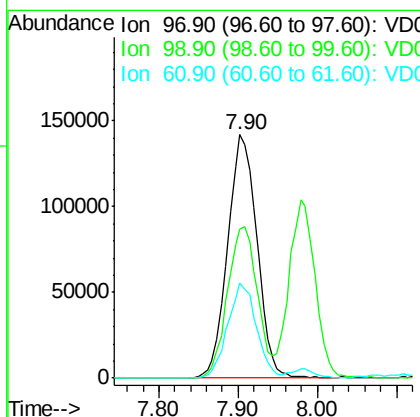
RT: 7.90 min Scan# 1017

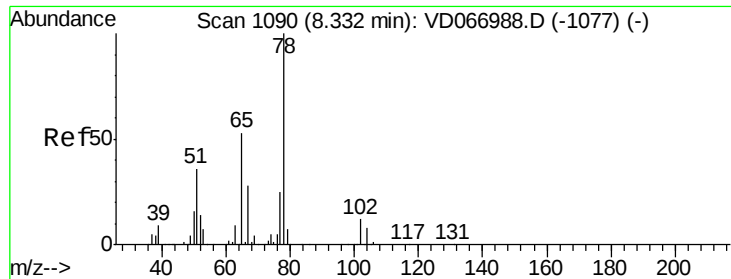
Delta R.T. 0.00 min

Lab File: VD067223.D

Acq: 09 Oct 2020 20:29

Tgt Ion:	97	Resp:	363913
Ion	Ratio	Lower	Upper
97	100		
99	63.4	52.6	78.8
61	38.2	32.8	49.2





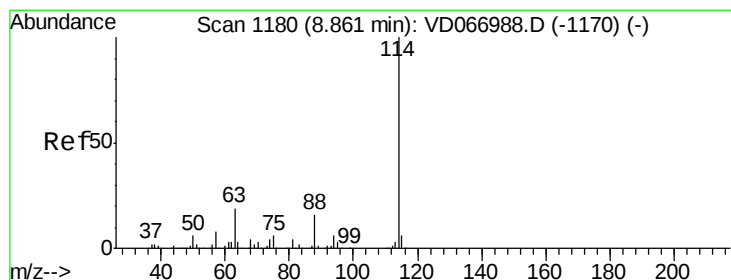
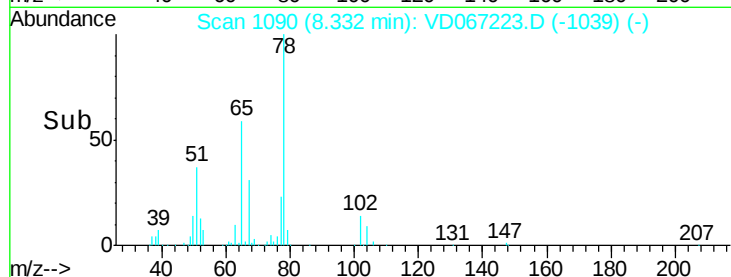
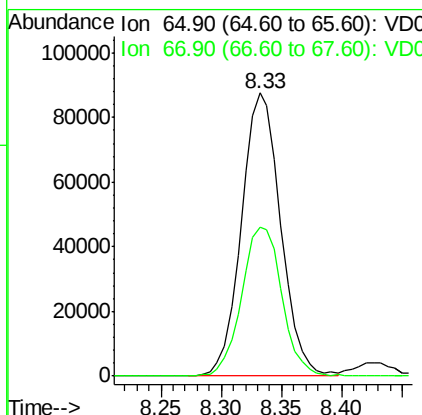
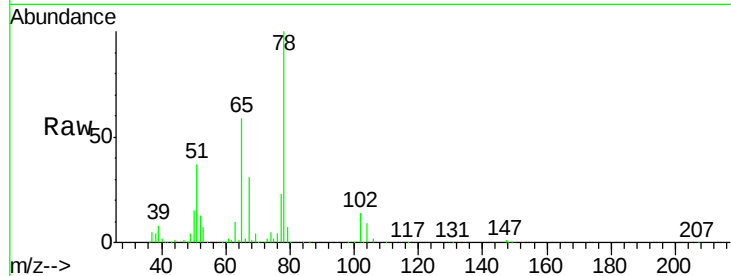
#33
 1,2-Dichloroethane-d4
 Concen: 48.536 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD067223.D
 Acq: 09 Oct 2020 20:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	198198		
67	54.1	0.0	106.8	

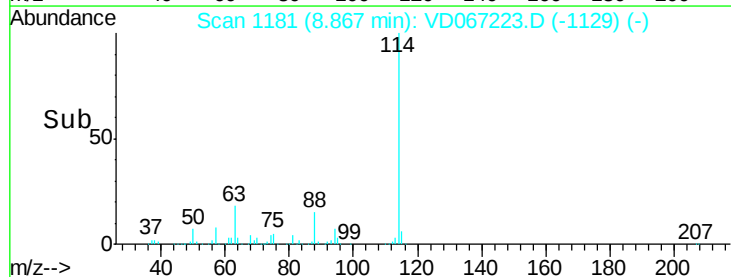
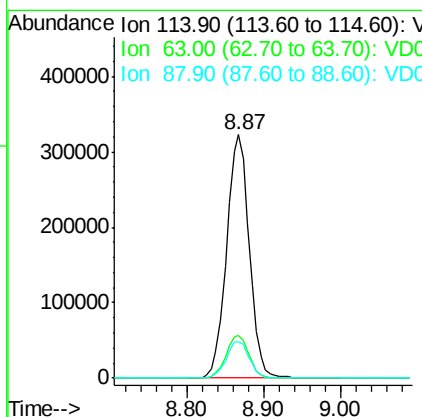
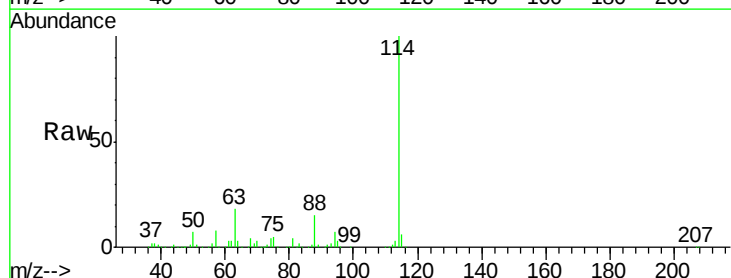
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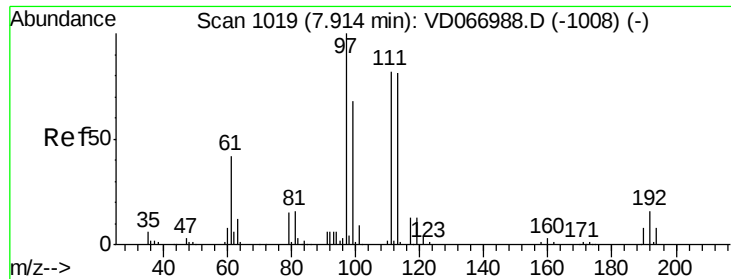
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.01 min
 Lab File: VD067223.D
 Acq: 09 Oct 2020 20:29

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	662109		
63	17.7	0.0	38.4	
88	15.0	0.0	31.2	





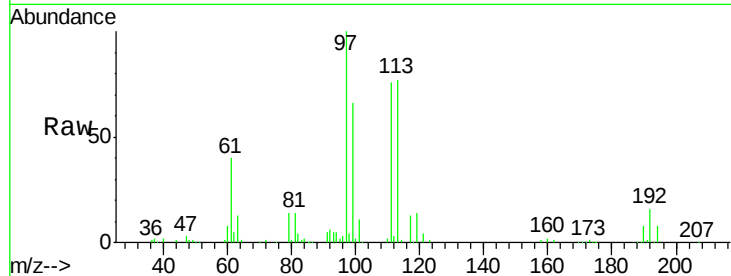
#35
Dibromofluoromethane
Concen: 53.347 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VD067223.D
Acq: 09 Oct 2020 20:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

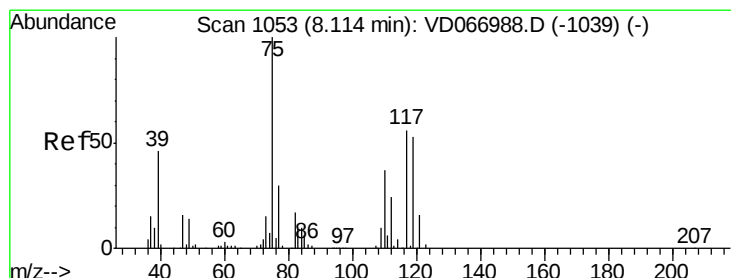
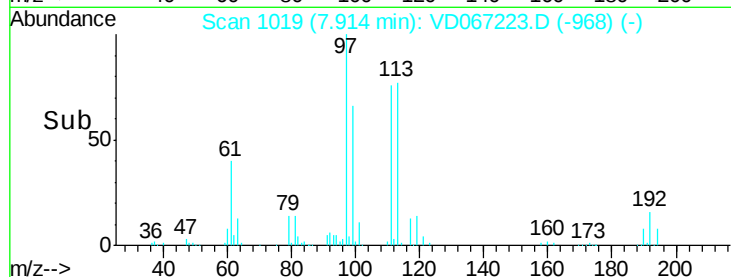
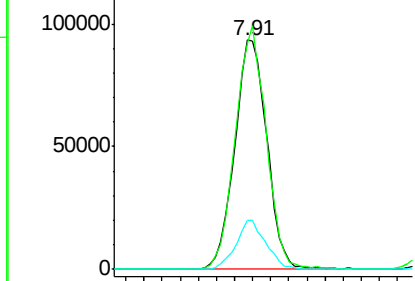
Tot Ion	Ratio	Resp	Lower	Upper
113	100	231243		
111	101.7	83.0	124.4	
192	19.7	15.5	23.3	

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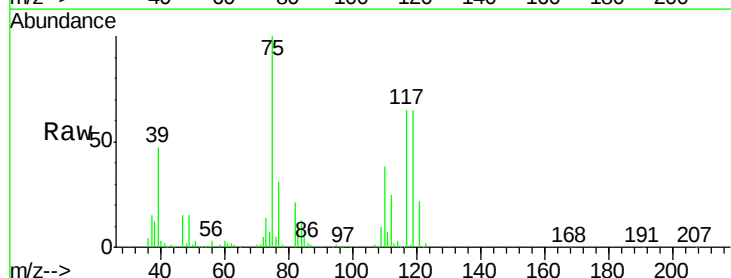


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

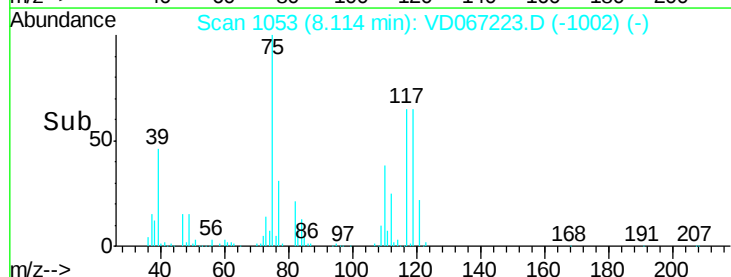
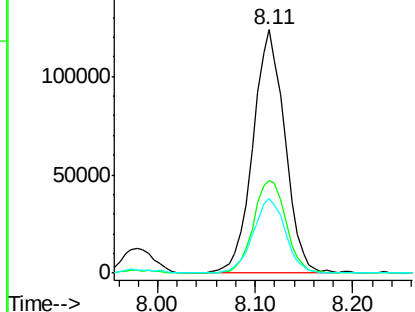


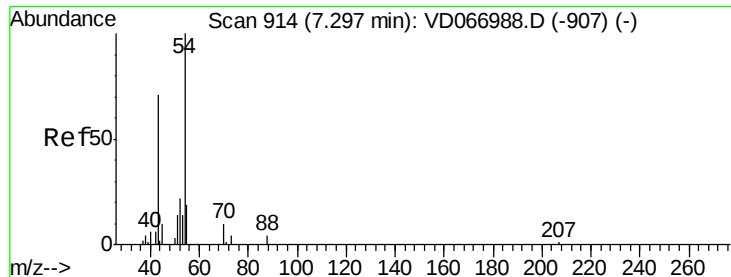
#36
1,1-Dichloropropene
Concen: 45.916 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD067223.D
Acq: 09 Oct 2020 20:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	283375		
110	38.9	18.4	55.0	
77	31.5	24.8	37.2	



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V





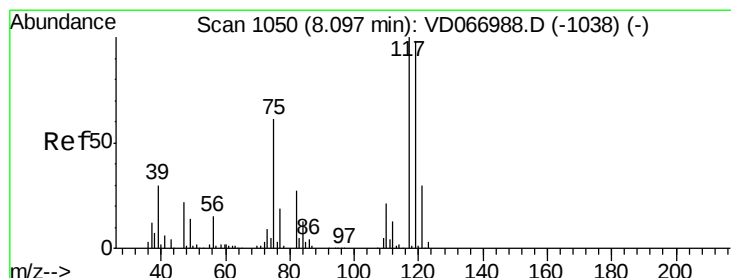
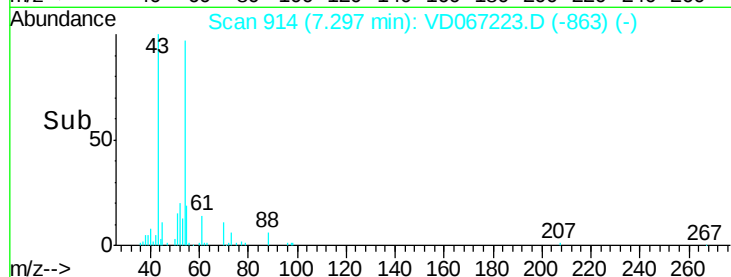
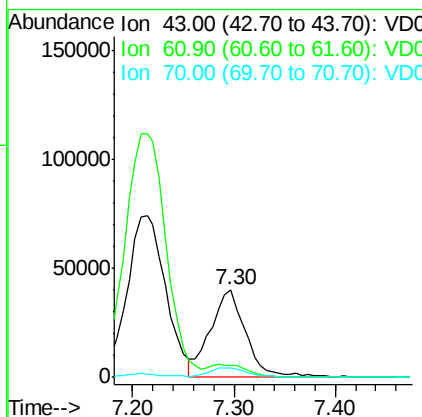
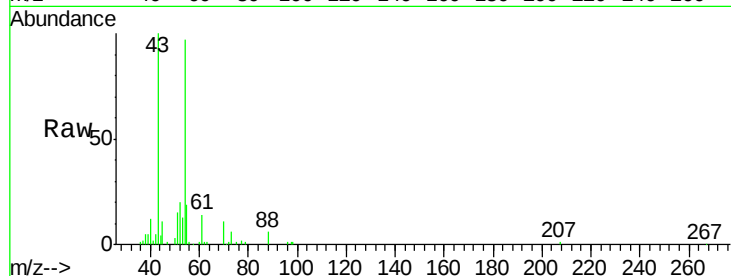
#37
Ethyl Acetate
Concen: 45.144 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD067223.D
Acq: 09 Oct 2020 20:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	12.5	18.7
70	12.2	9.4	14.0

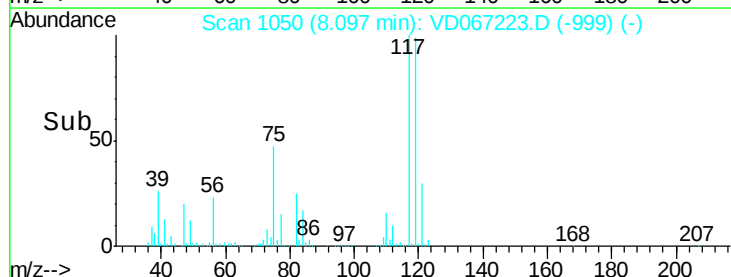
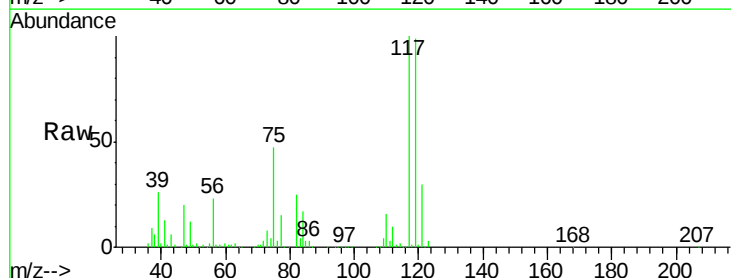
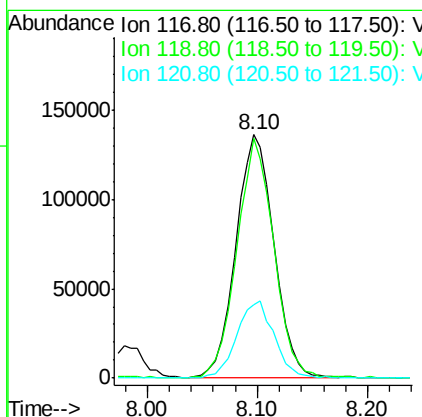
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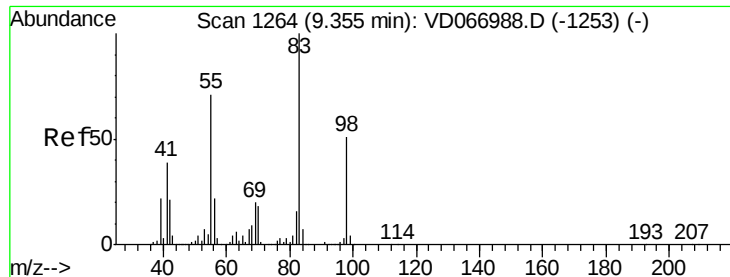
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#38
Carbon Tetrachloride
Concen: 49.281 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD067223.D
Acq: 09 Oct 2020 20:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.8	78.7	118.1
121	30.0	24.2	36.2





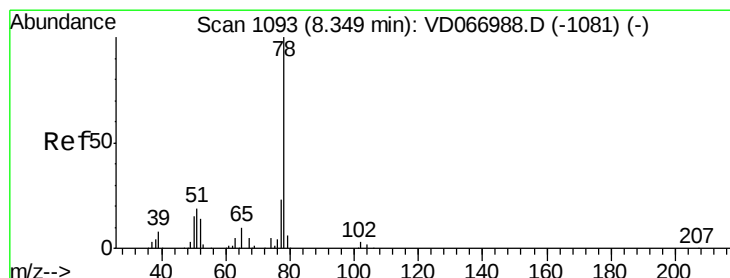
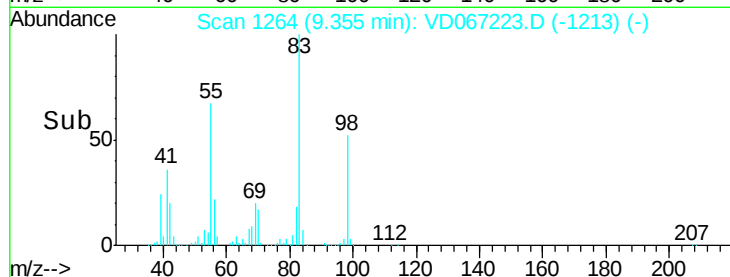
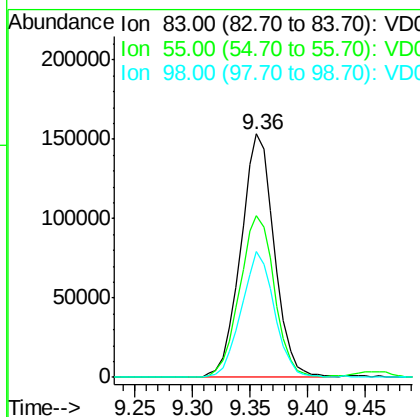
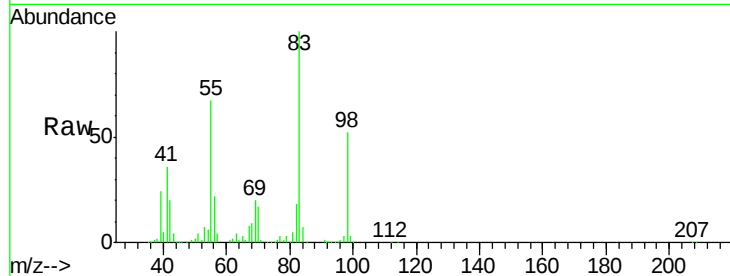
#39
Methvlcvclohexane
Concen: 47.368 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067223.D
Acq: 09 Oct 2020 20:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	66.6	57.1	85.7
98	51.8	40.9	61.3

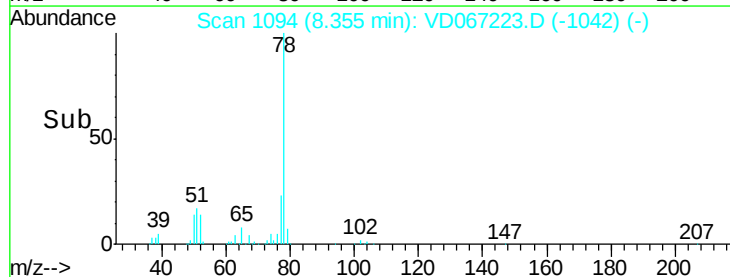
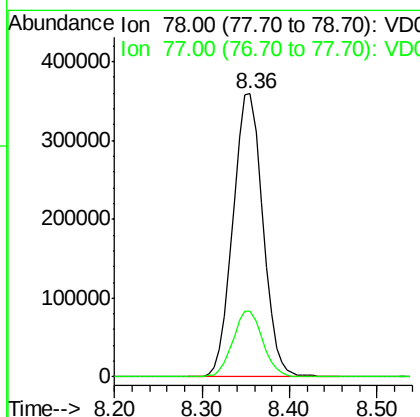
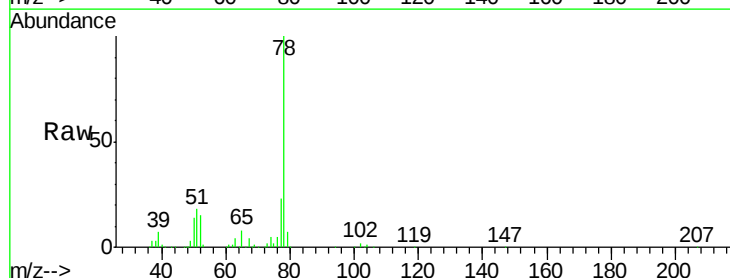
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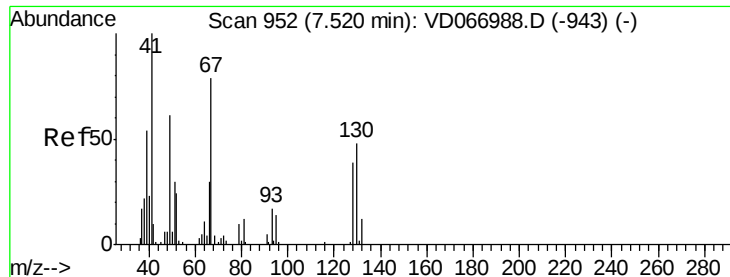
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#40
Benzene
Concen: 48.500 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD067223.D
Acq: 09 Oct 2020 20:29

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.4	27.6





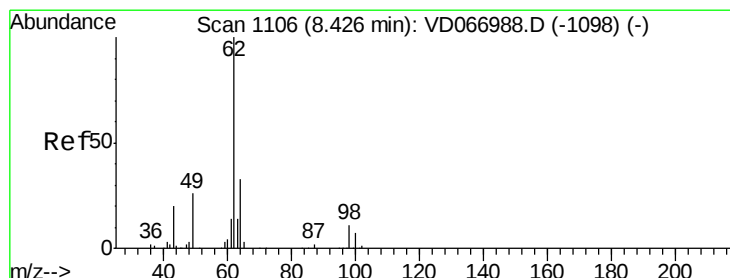
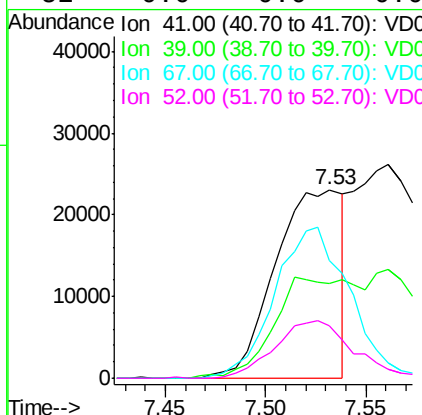
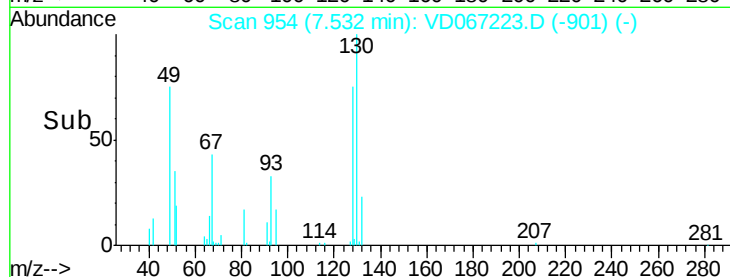
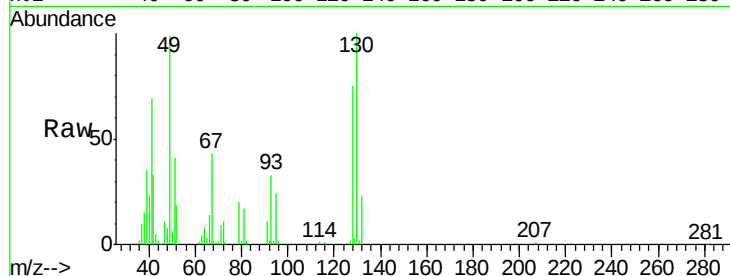
#41
Methacrylonitrile
Concen: 46.785 ug/l m
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD067223.D
Acq: 09 Oct 2020 20:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	54039
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

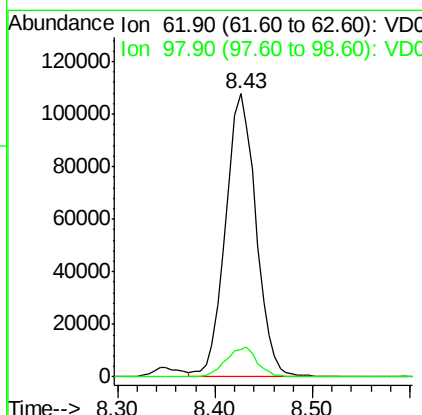
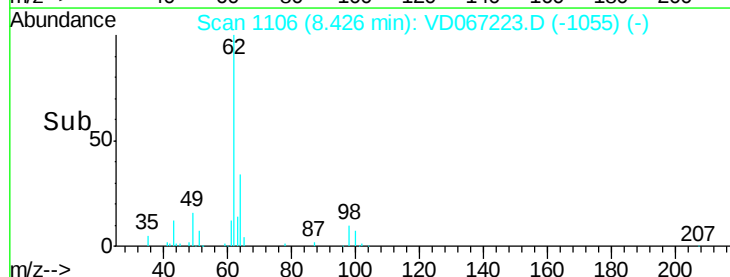
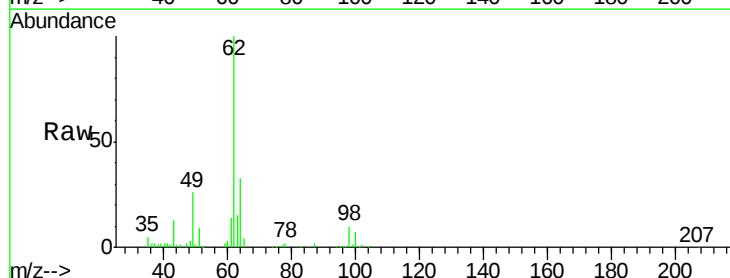
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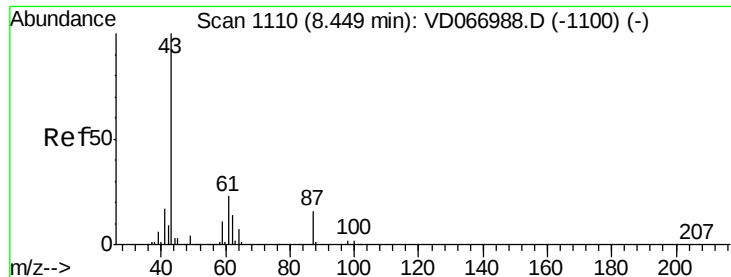
apatel
10/12/2020 10:42:35 AM



#42
1,2-Dichloroethane
Concen: 48.631 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD067223.D
Acq: 09 Oct 2020 20:29

Tgt Ion	62	Resp	232942
Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	22.6





#43

Isopropyl Acetate

Concen: 47.330 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD067223.D

Acq: 09 Oct 2020 20:29

Instrument :

MSVOA_D

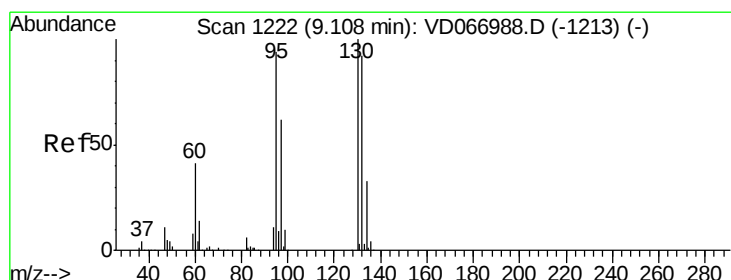
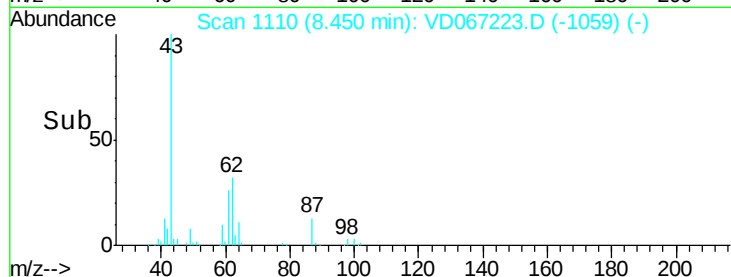
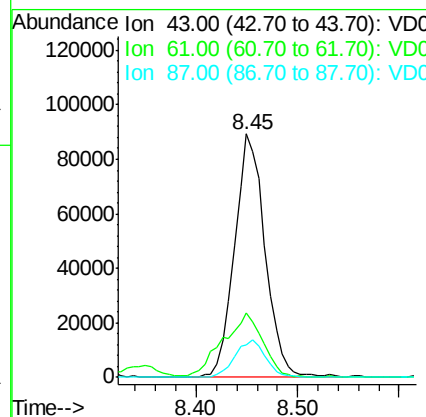
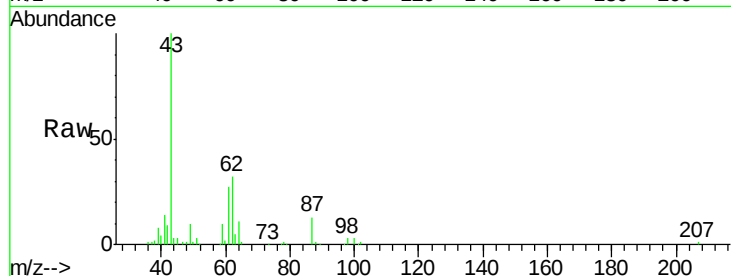
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	186418
Ion	Ratio	Lower	Upper
43	100		
61	35.0	27.1	40.7
87	15.5	12.3	18.5

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#44

Trichloroethene

Concen: 49.160 ug/l

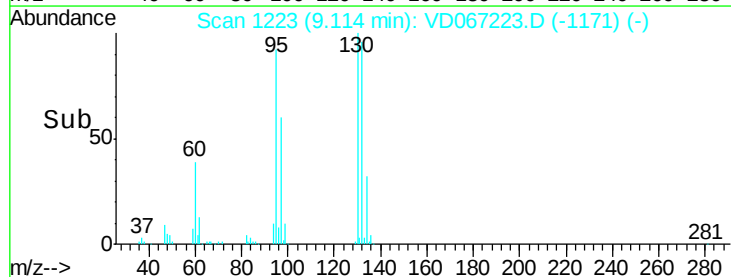
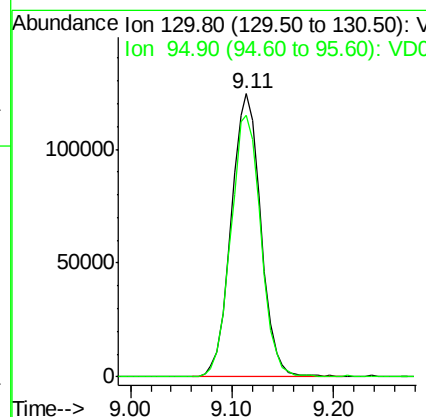
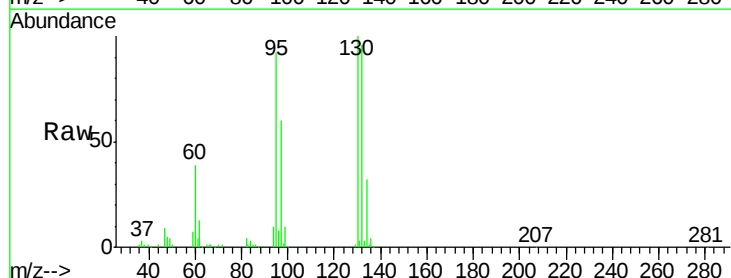
RT: 9.11 min Scan# 1223

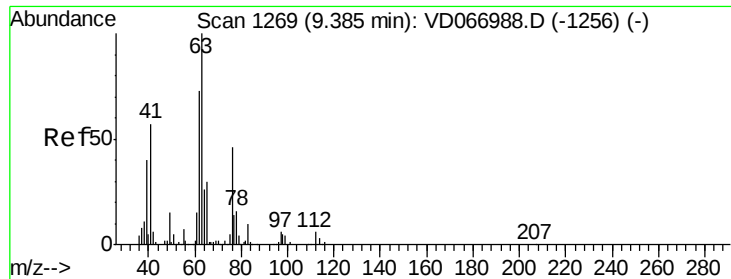
Delta R.T. 0.01 min

Lab File: VD067223.D

Acq: 09 Oct 2020 20:29

Tgt Ion:	130	Resp:	251636
Ion	Ratio	Lower	Upper
130	100		
95	92.2	0.0	187.8





#45

1,2-Dichloropropane

Concen: 48.747 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VD067223.D

Acq: 09 Oct 2020 20:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 196339

Ion Ratio Lower Upper

63 100

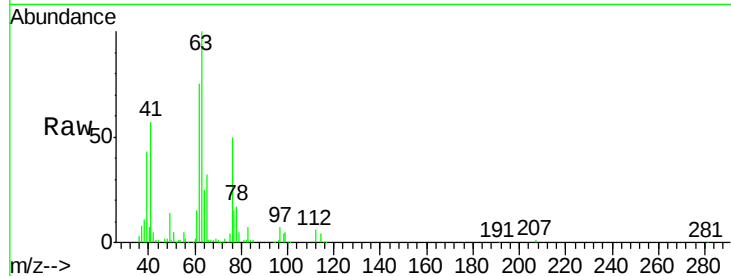
65 31.8 23.7 35.5

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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.39

100000

80000

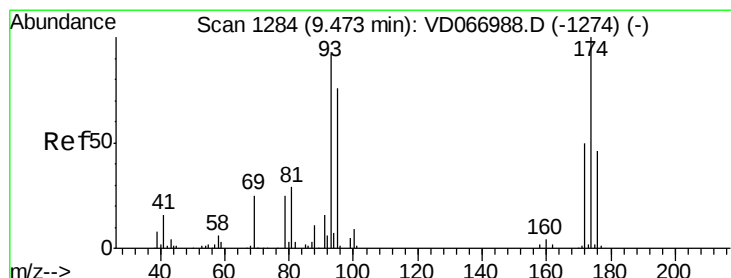
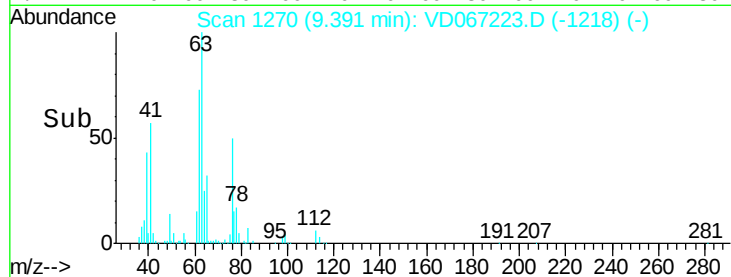
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 49.291 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.01 min

Lab File: VD067223.D

Acq: 09 Oct 2020 20:29

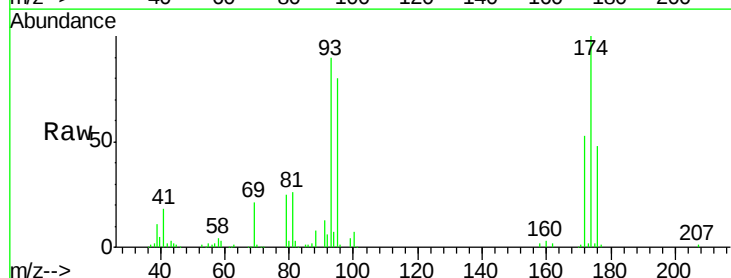
Tgt Ion: 93 Resp: 114105

Ion Ratio Lower Upper

93 100

95 85.0 64.7 97.1

174 109.6 81.4 122.2



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

80000

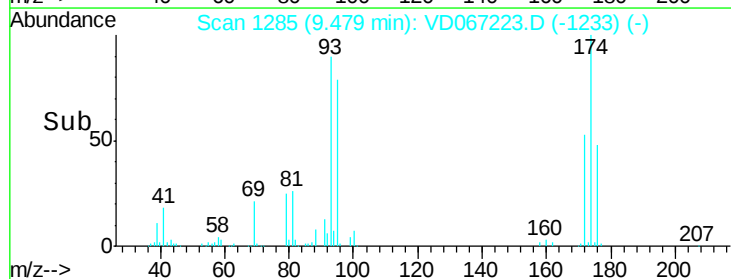
60000

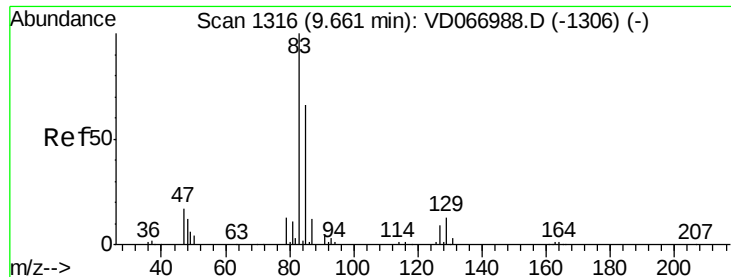
40000

20000

0

Time-->





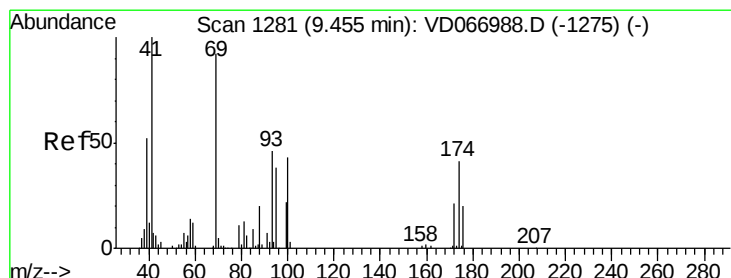
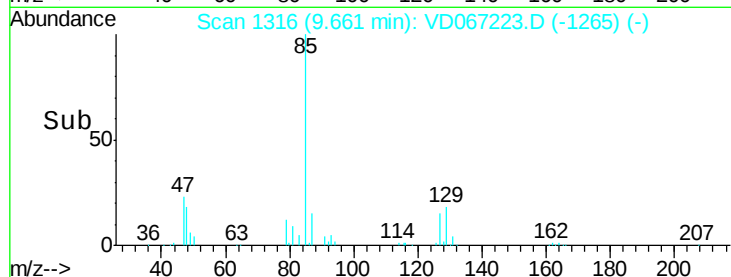
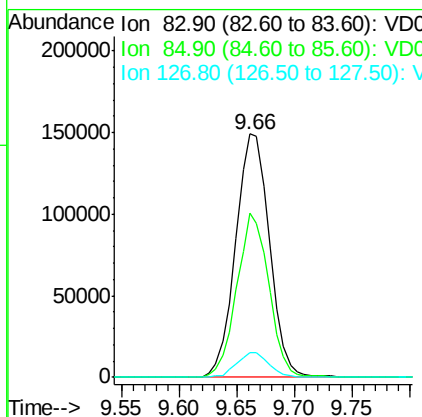
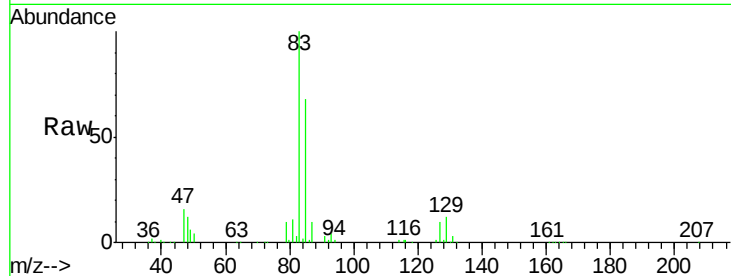
#47
Bromodichloromethane
Concen: 50.483 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VD067223.D
Acq: 09 Oct 2020 20:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	67.5	52.9	79.3	
127	10.3	7.3	10.9	

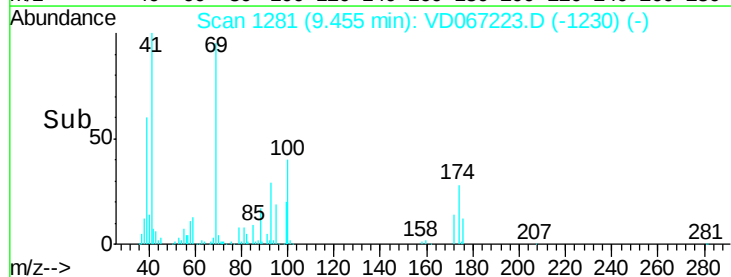
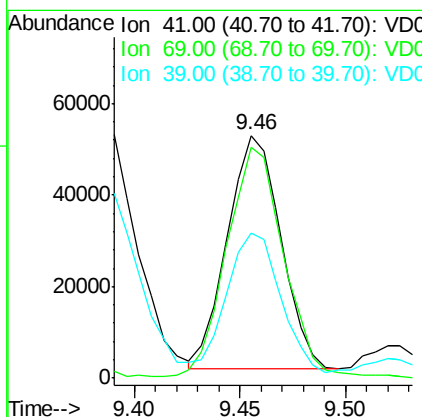
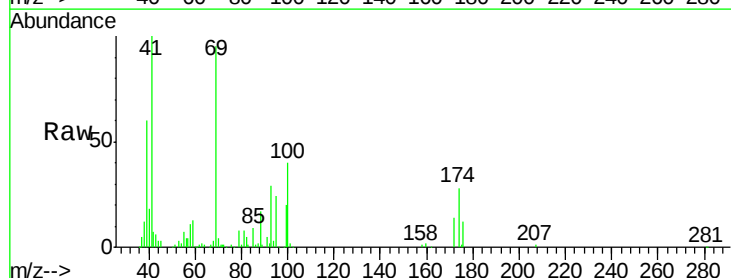
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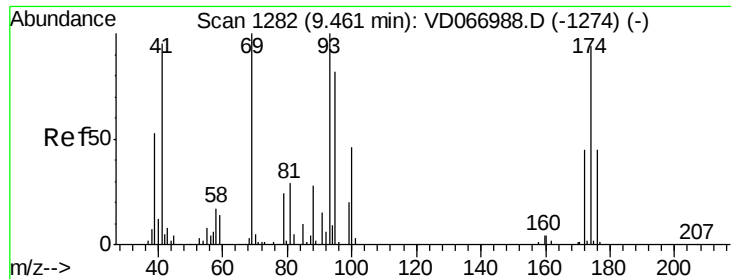
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#48
Methyl methacrylate
Concen: 44.231 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VD067223.D
Acq: 09 Oct 2020 20:29

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	107.2	68.5	102.7#	
39	60.2	40.2	60.2	





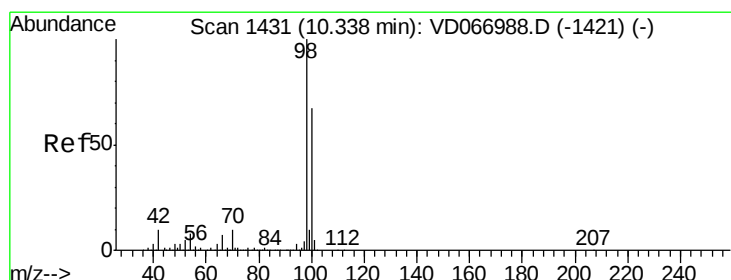
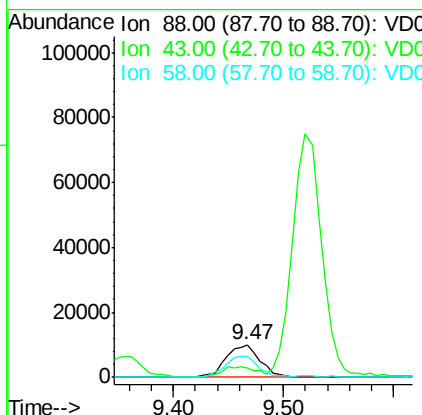
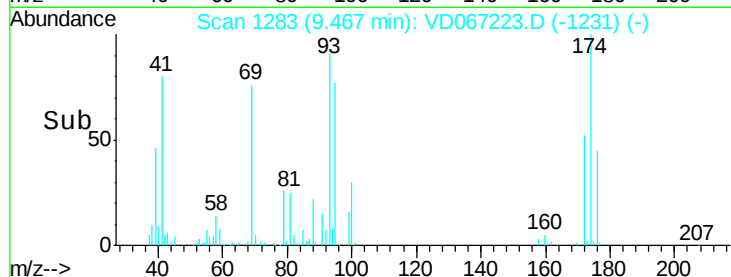
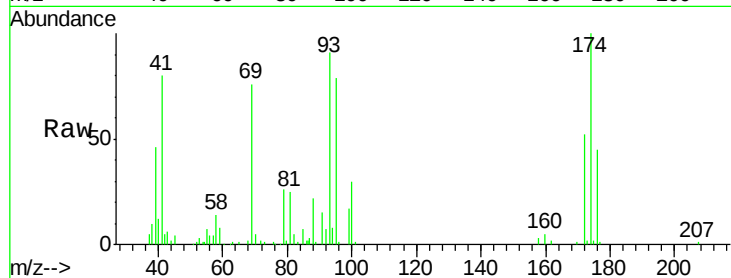
#49
1,4-Dioxane
Concen: 910.497 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD067223.D
Acq: 09 Oct 2020 20:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.8	25.6	38.4
58	62.5	53.5	80.3

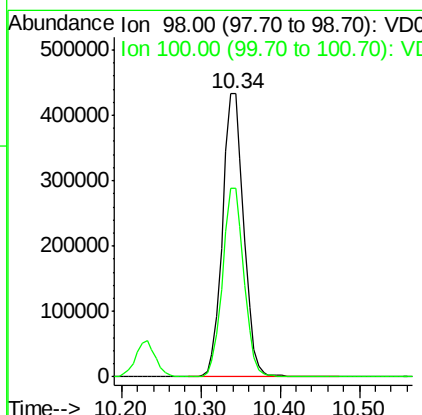
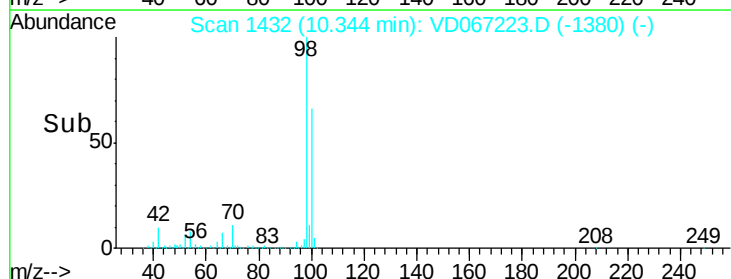
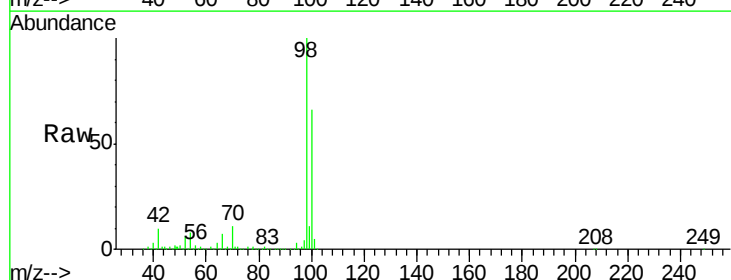
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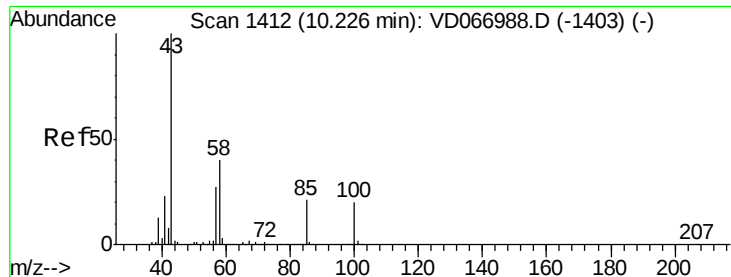
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#50
Toluene-d8
Concen: 50.869 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD067223.D
Acq: 09 Oct 2020 20:29

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.1	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 237.484 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.01 min

Lab File: VD067223.D

Acq: 09 Oct 2020 20:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 465906

Ion Ratio Lower Upper

43 100

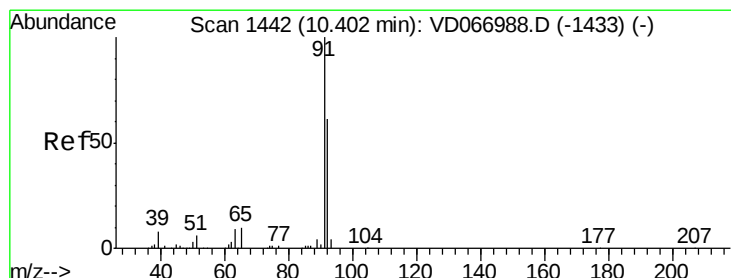
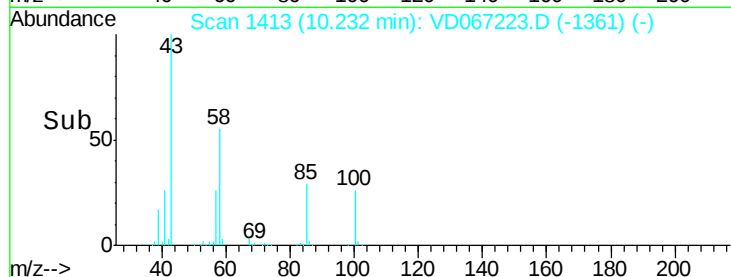
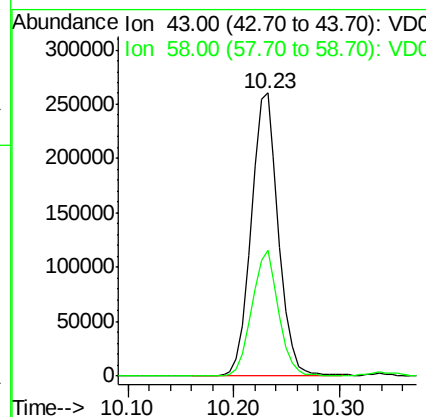
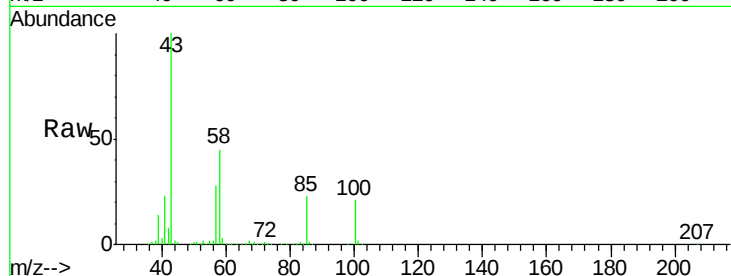
58 43.7 33.8 50.8

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#52

Toluene

Concen: 50.493 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.01 min

Lab File: VD067223.D

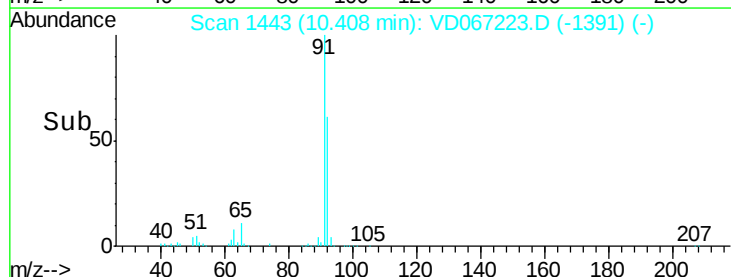
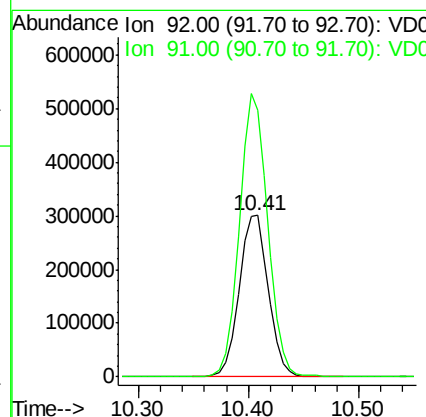
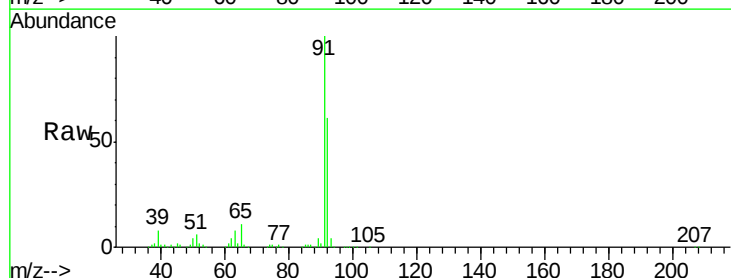
Acq: 09 Oct 2020 20:29

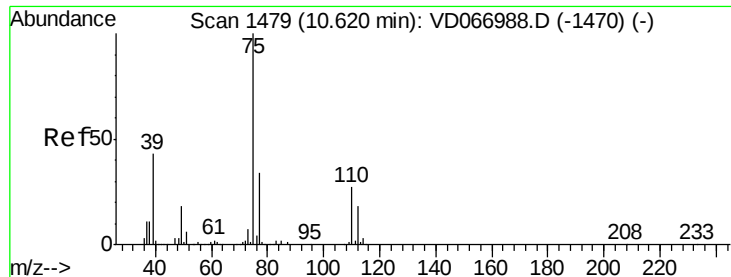
Tgt Ion: 92 Resp: 557558

Ion Ratio Lower Upper

92 100

91 170.3 135.1 202.7





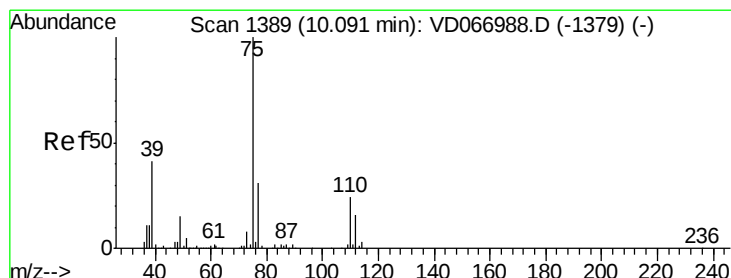
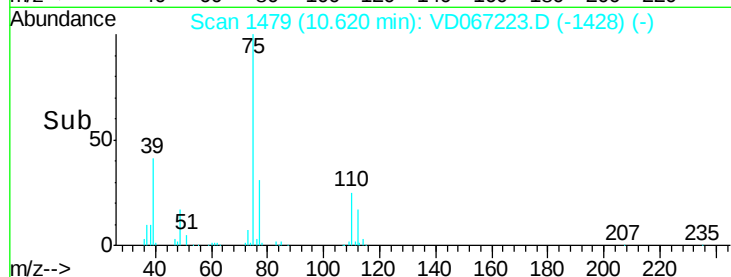
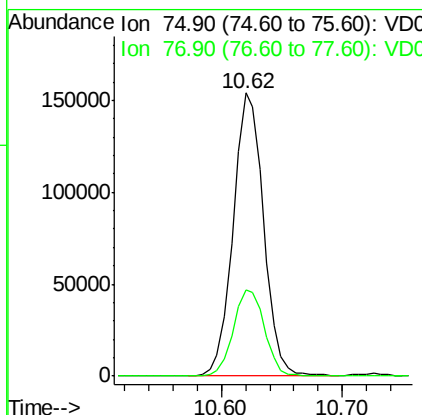
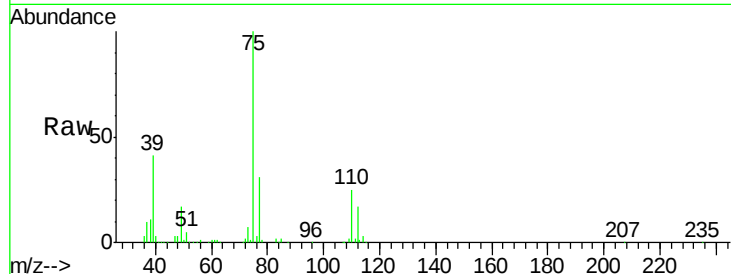
#53
 t-1,3-Dichloropropene
 Concen: 50.277 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. 0.00 min
 Lab File: VD067223.D
 Acq: 09 Oct 2020 20:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 270393
 Ion Ratio Lower Upper
 75 100
 77 30.5 27.1 40.7

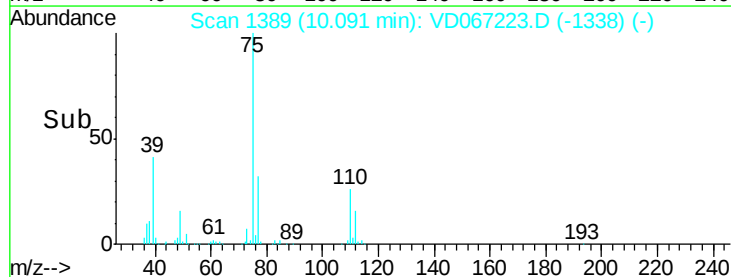
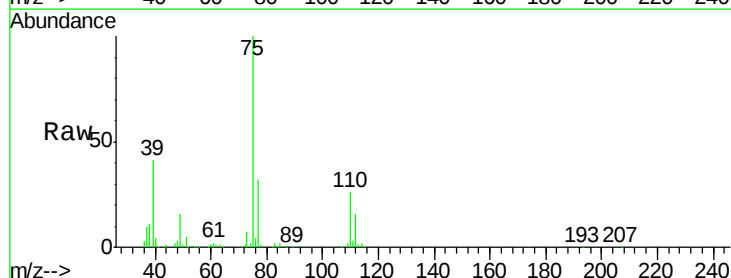
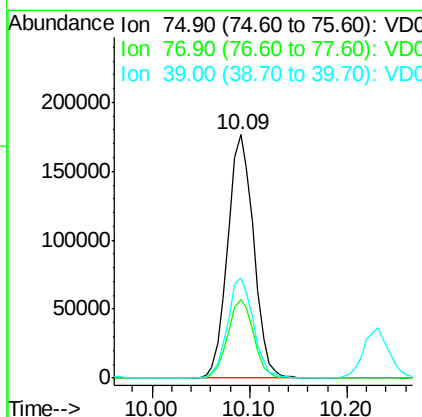
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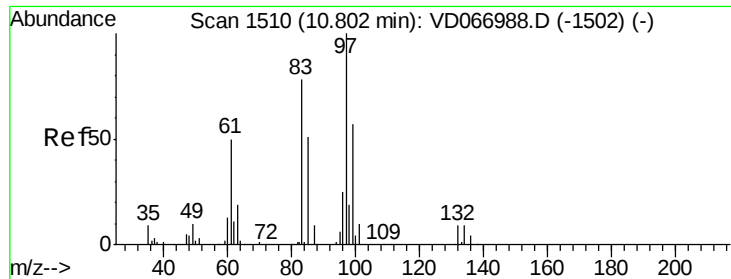
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#54
 cis-1,3-Dichloropropene
 Concen: 49.772 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: VD067223.D
 Acq: 09 Oct 2020 20:29

Tgt Ion: 75 Resp: 326865
 Ion Ratio Lower Upper
 75 100
 77 32.5 24.6 37.0
 39 41.1 33.0 49.4





#55

1,1,2-Trichloroethane

Concen: 49.258 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD067223.D

Acq: 09 Oct 2020 20:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 158533

Ion Ratio Lower Upper

97 100

83 82.6 62.4 93.6

85 50.3 41.0 61.4

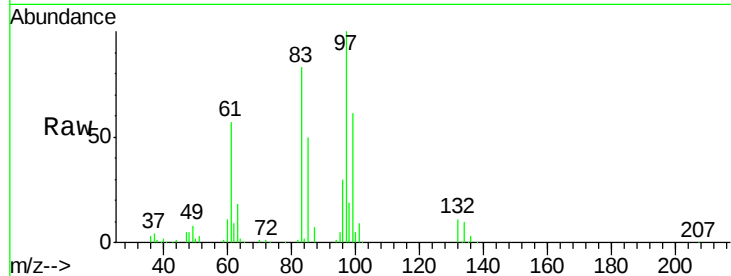
99 61.2 45.9 68.9

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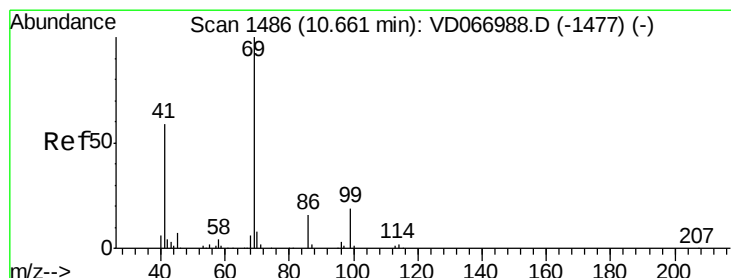
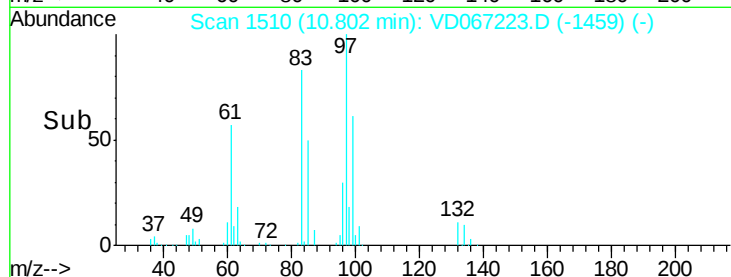
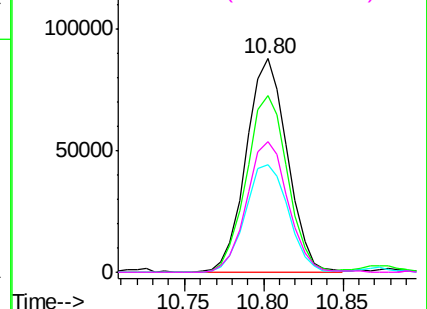


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 53.775 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VD067223.D

Acq: 09 Oct 2020 20:29

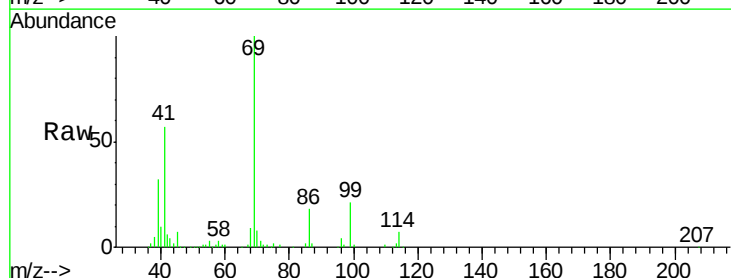
Tgt Ion: 69 Resp: 178686

Ion Ratio Lower Upper

69 100

41 56.7 46.4 69.6

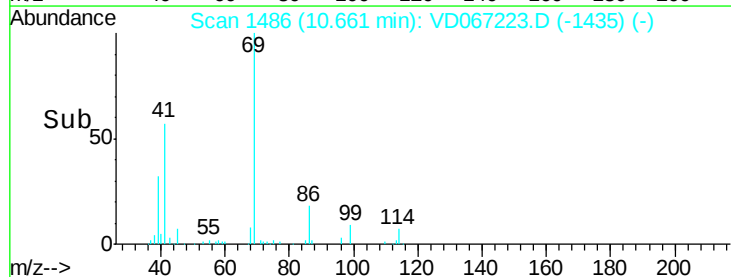
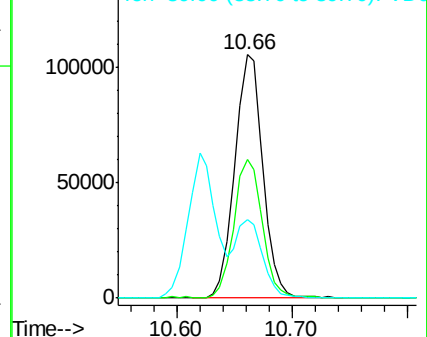
39 32.1 23.8 35.6

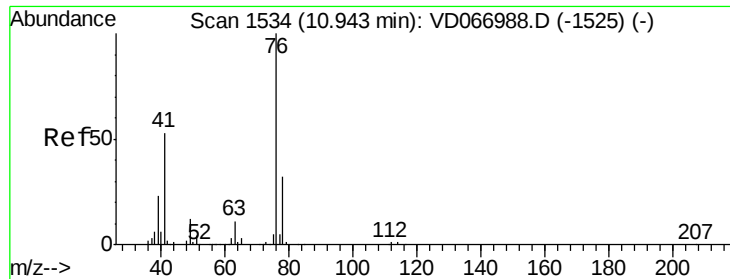


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 49.727 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.01 min

Lab File: VD067223.D

Acq: 09 Oct 2020 20:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 259527

Ion Ratio Lower Upper

76 100

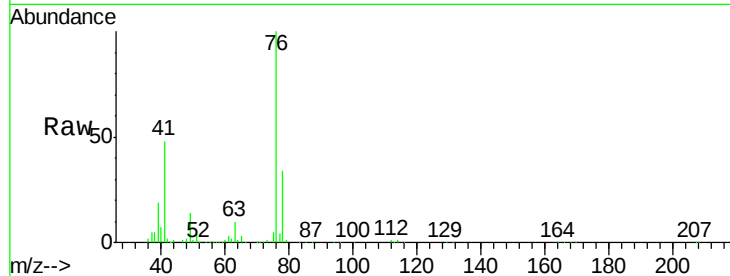
78 33.5 25.8 38.8

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.95

150000

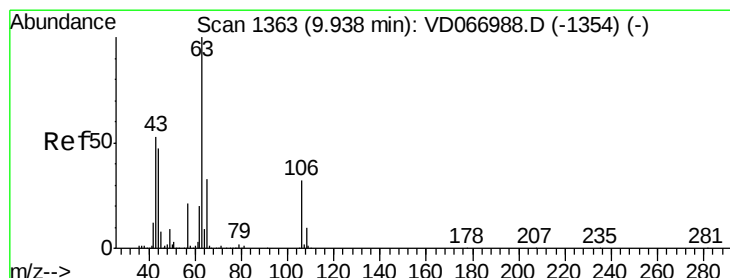
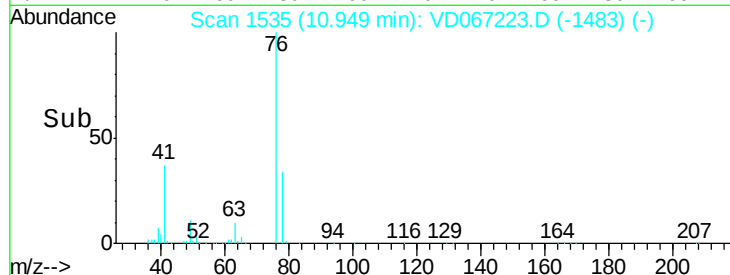
100000

50000

0

10.90 11.00

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 270.084 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.01 min

Lab File: VD067223.D

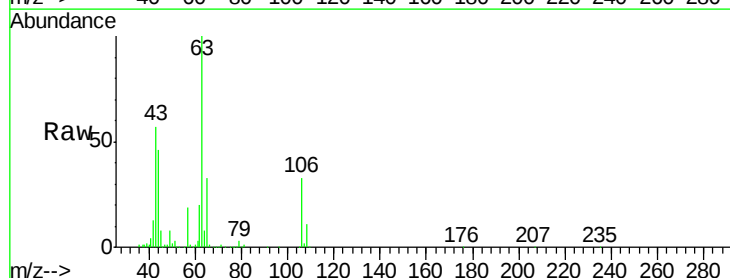
Acq: 09 Oct 2020 20:29

Tgt Ion: 63 Resp: 499506

Ion Ratio Lower Upper

63 100

106 32.2 25.3 37.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

9.94

300000

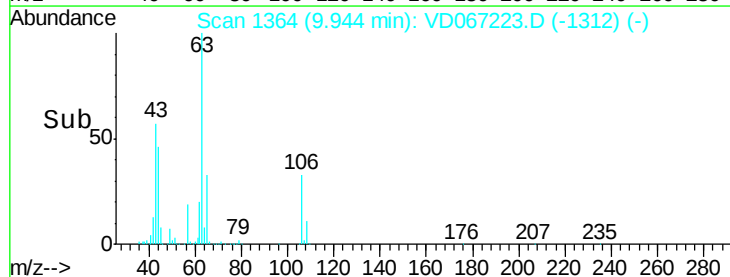
200000

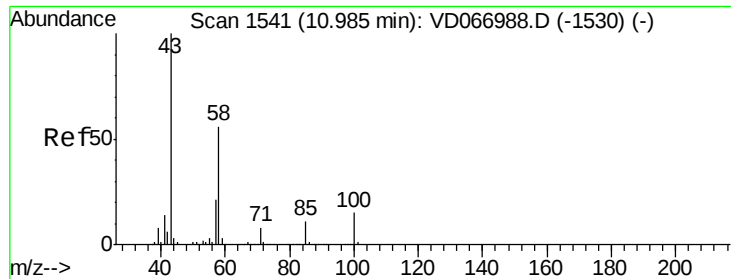
100000

0

9.90 10.00

Time-->





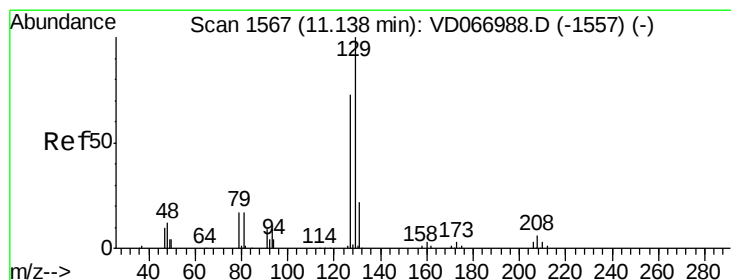
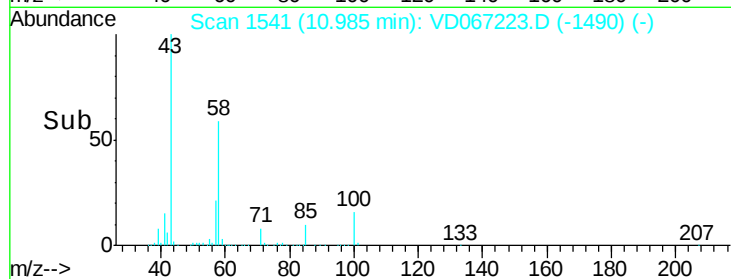
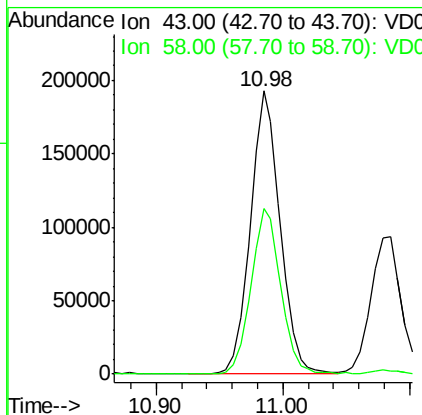
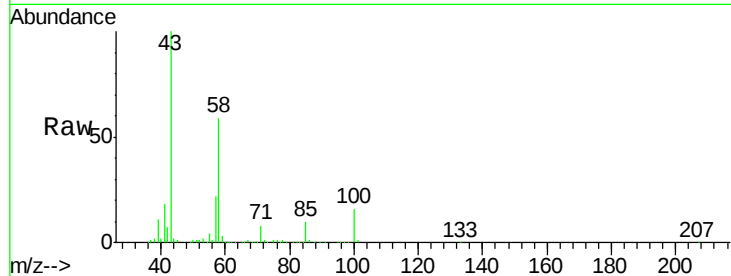
#59
2-Hexanone
Concen: 240.035 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD067223.D
Acq: 09 Oct 2020 20:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 314306
Ion Ratio Lower Upper
43 100
58 58.8 28.3 84.9

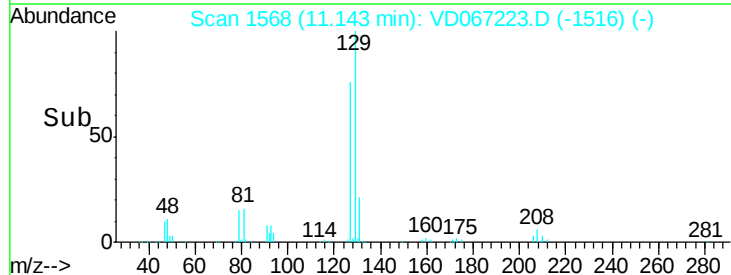
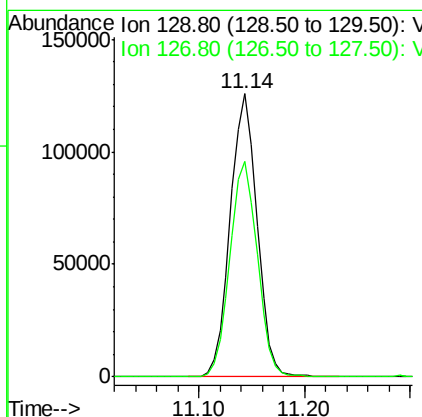
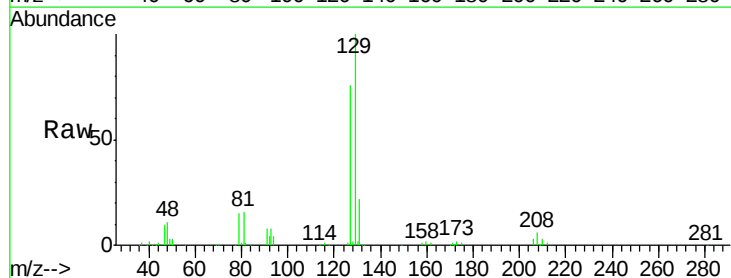
Manual Integrations
APPROVED

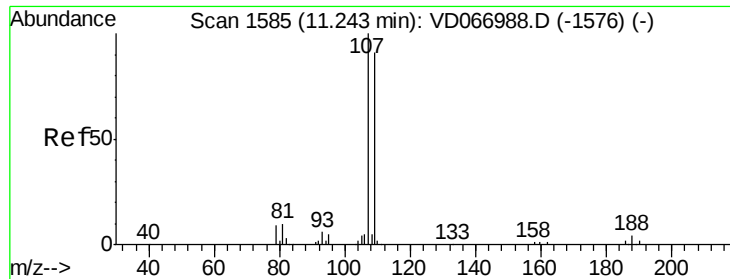
apatel
10/12/2020 10:42:35 AM



#60
Dibromochloromethane
Concen: 51.507 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VD067223.D
Acq: 09 Oct 2020 20:29

Tgt Ion: 129 Resp: 220946
Ion Ratio Lower Upper
129 100
127 77.9 37.4 112.1





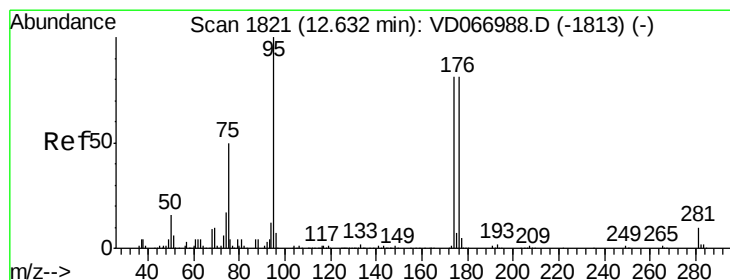
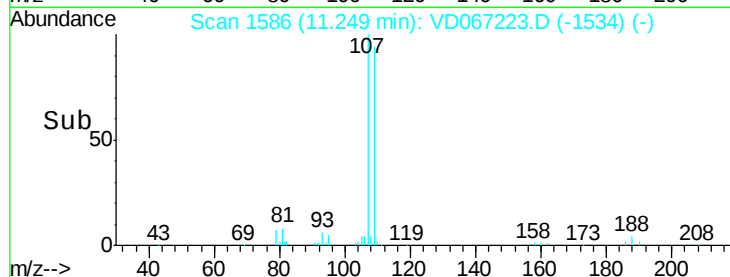
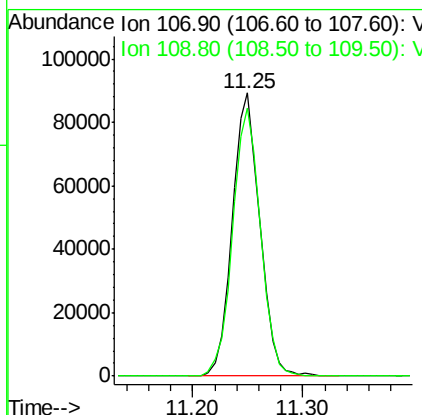
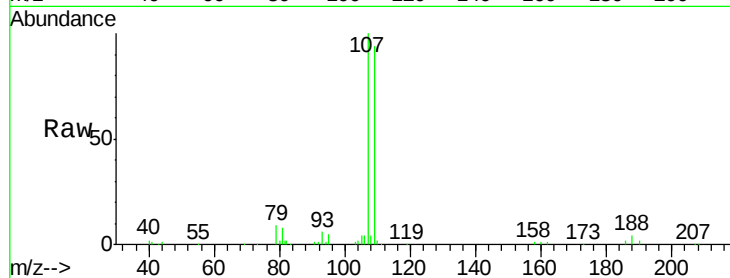
#61
 1,2-Dibromoethane
 Concen: 50.588 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: VD067223.D
 Acq: 09 Oct 2020 20:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
107	100	156420		
109	95.8	74.0	111.0	

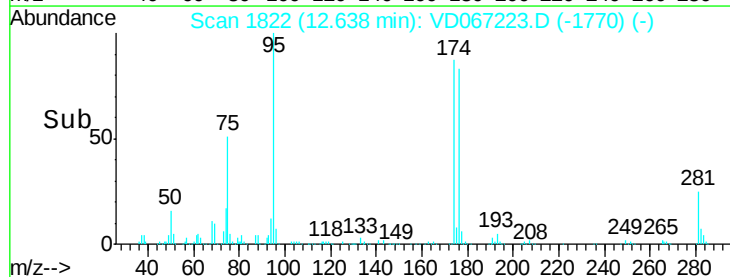
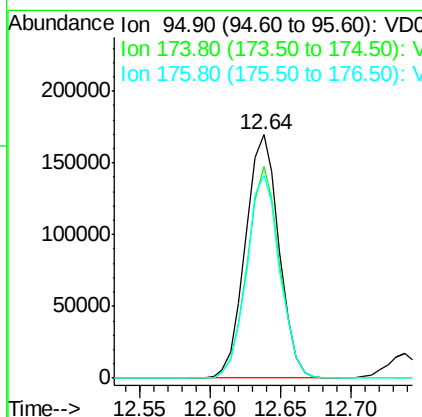
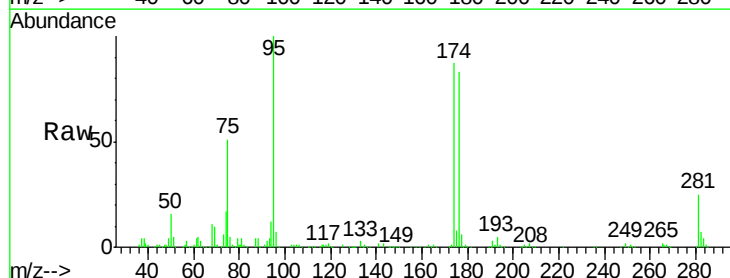
Manual Integrations
 APPROVED

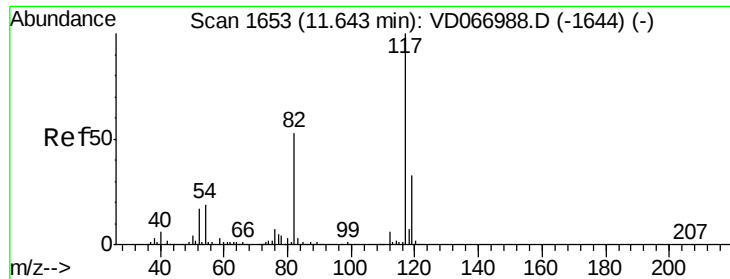
apatel
 10/12/2020 10:42:35 AM



#62
 4-Bromofluorobenzene
 Concen: 52.831 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.01 min
 Lab File: VD067223.D
 Acq: 09 Oct 2020 20:29

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	283283		
174	84.2	0.0	167.6	
176	82.1	0.0	162.4	





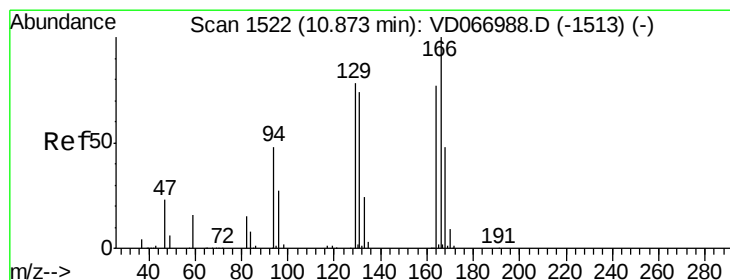
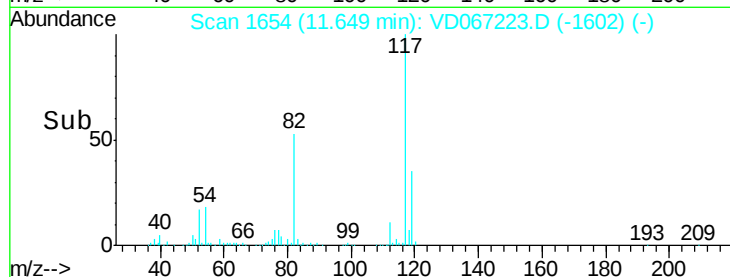
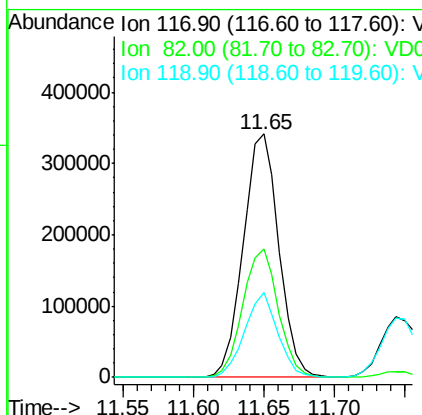
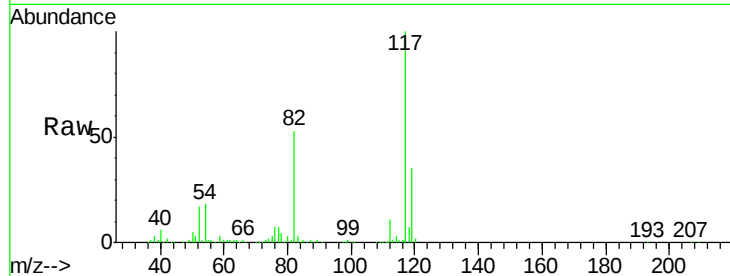
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD067223.D
Acq: 09 Oct 2020 20:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.6	42.6	63.8
119	34.7	26.3	39.5

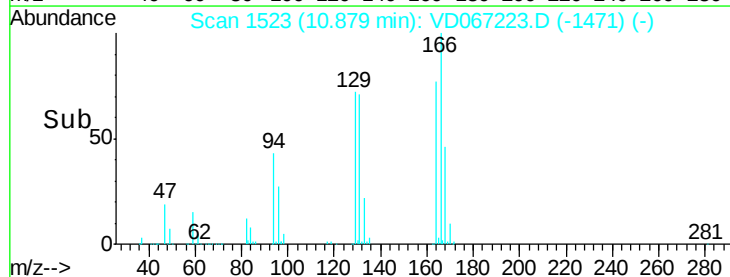
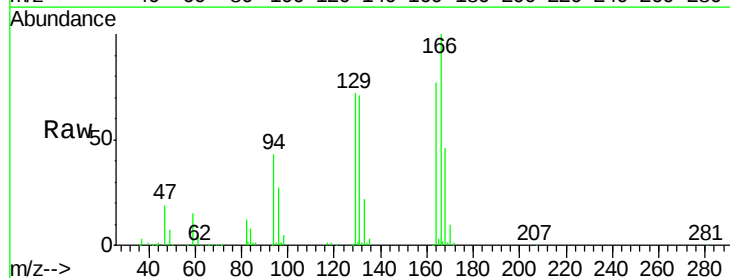
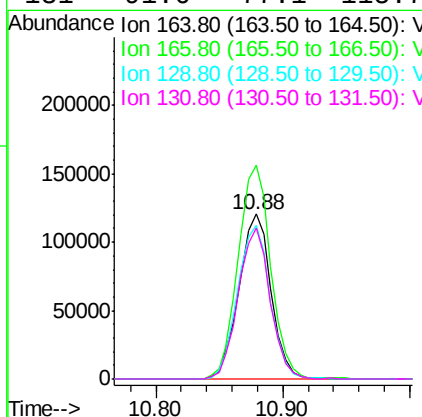
Manual Integrations
APPROVED

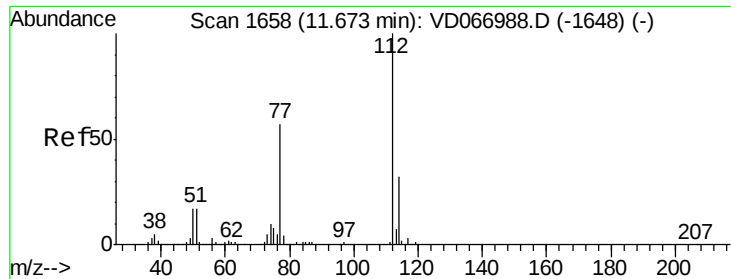
apatel
10/12/2020 10:42:35 AM



#64
Tetrachloroethene
Concen: 48.480 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.01 min
Lab File: VD067223.D
Acq: 09 Oct 2020 20:29

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.6	104.4	156.6
129	93.4	81.3	121.9
131	91.6	77.1	115.7





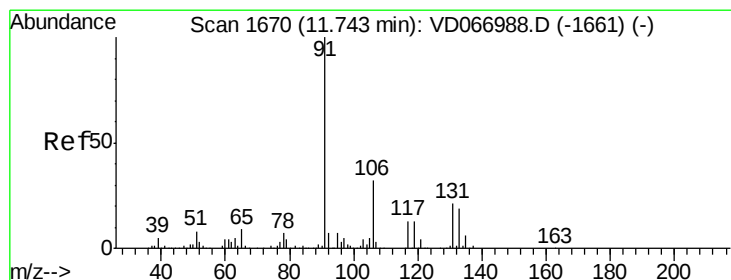
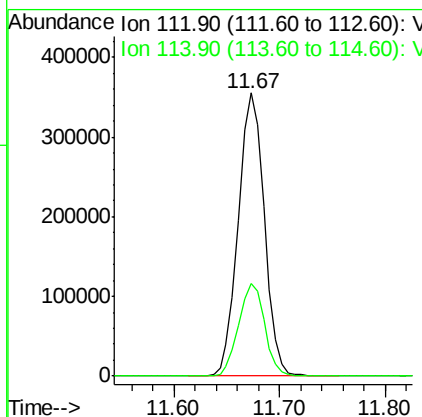
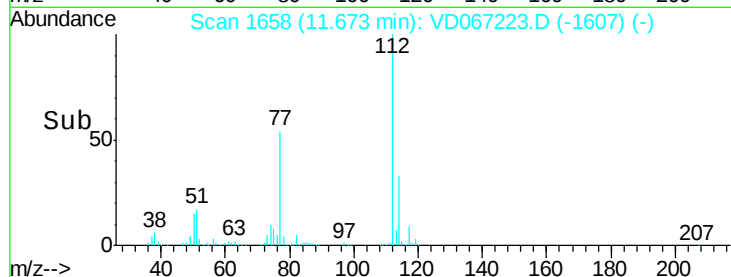
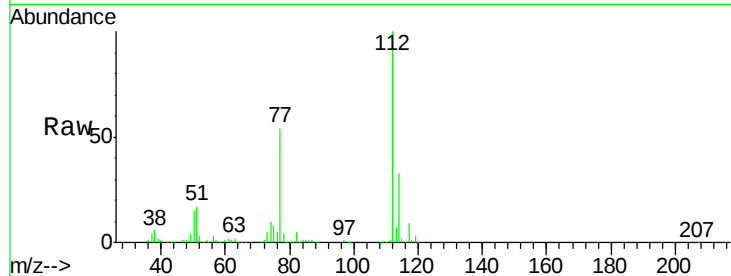
#65
Chlorobenzene
Concen: 50.622 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067223.D
Acq: 09 Oct 2020 20:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 606989
Ion Ratio Lower Upper
112 100
114 32.5 25.4 38.0

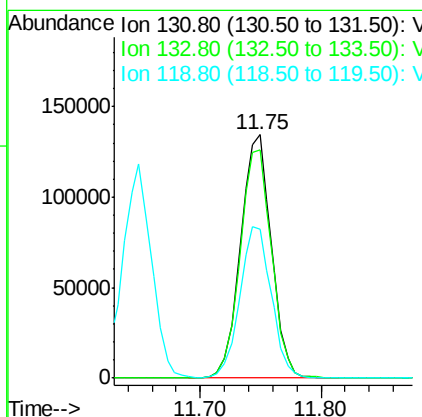
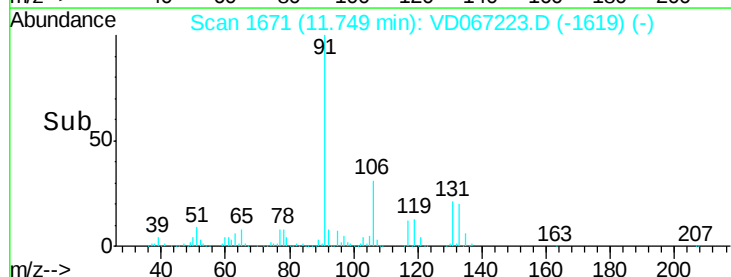
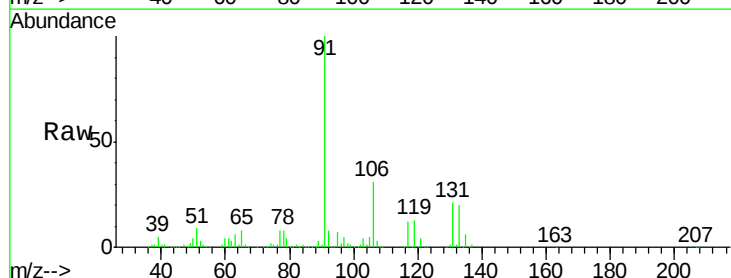
Manual Integrations
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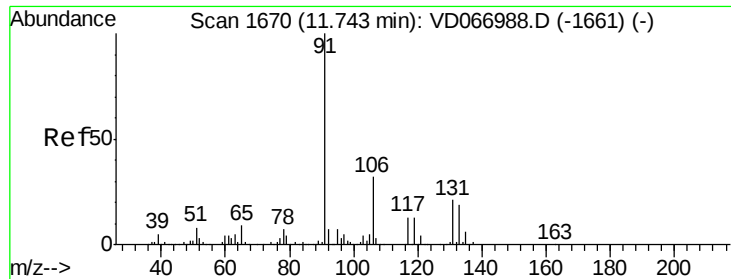
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.320 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD067223.D
Acq: 09 Oct 2020 20:29

Tgt Ion:131 Resp: 238635
Ion Ratio Lower Upper
131 100
133 96.2 47.8 143.3
119 63.8 32.3 96.8





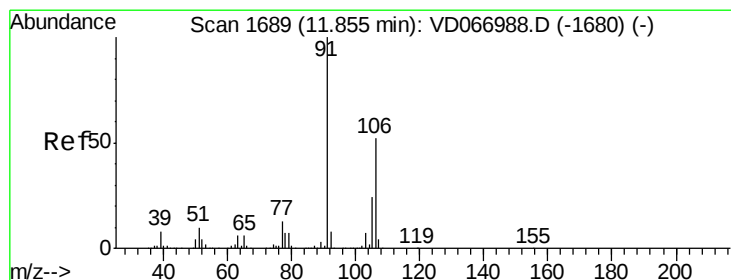
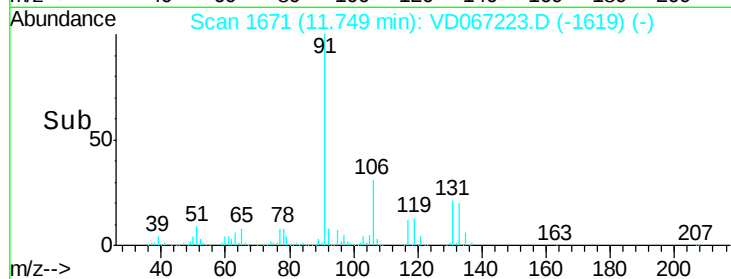
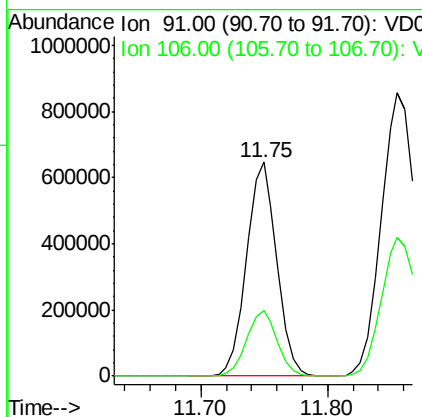
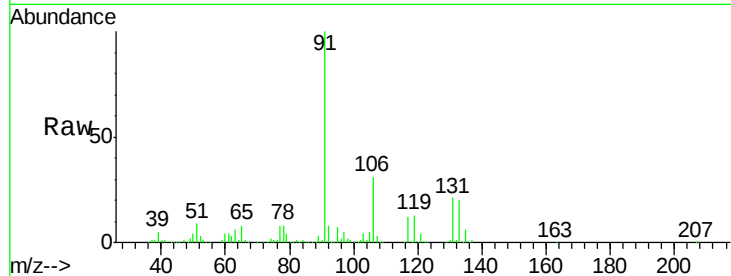
#67
Ethyl Benzene
Concen: 51.951 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD067223.D
Acq: 09 Oct 2020 20:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1067325
Ion Ratio Lower Upper
91 100
106 30.8 25.4 38.2

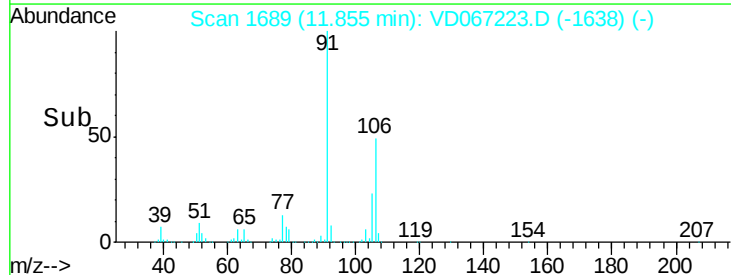
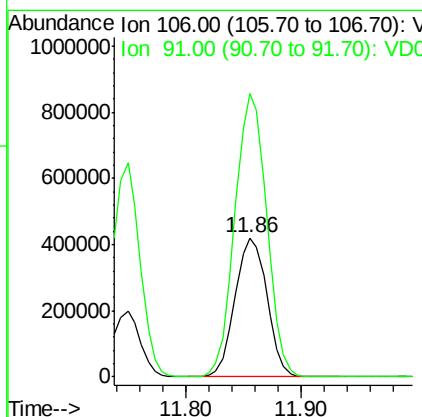
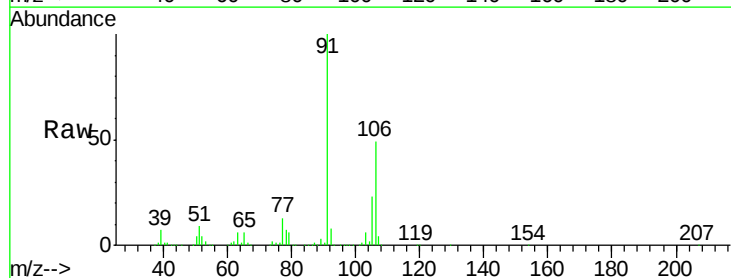
Manual Integrations
APPROVED

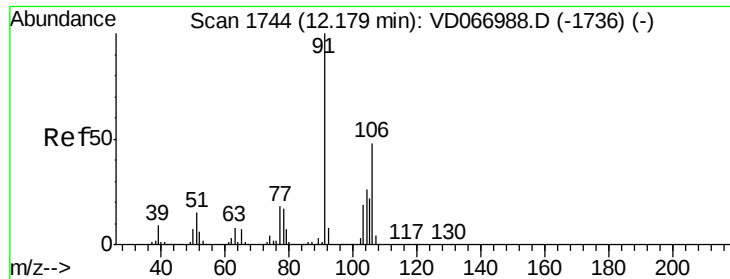
apatel
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#68
m/p-Xylenes
Concen: 101.170 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD067223.D
Acq: 09 Oct 2020 20:29

Tgt Ion: 106 Resp: 810035
Ion Ratio Lower Upper
106 100
91 202.0 158.4 237.6





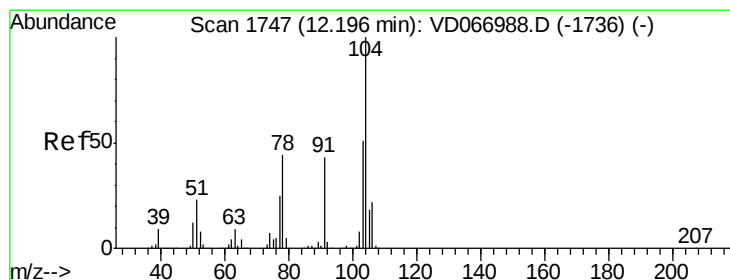
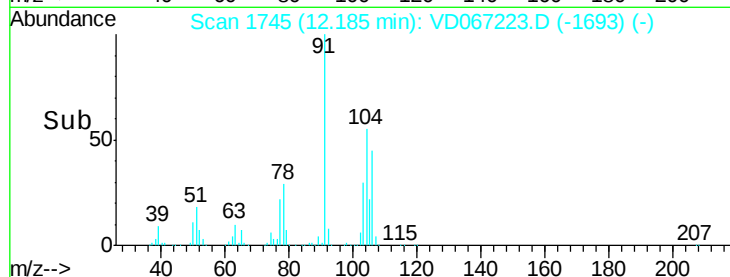
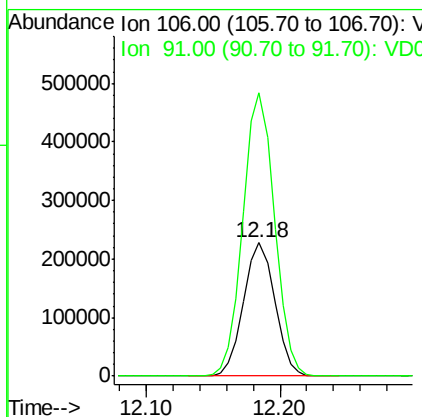
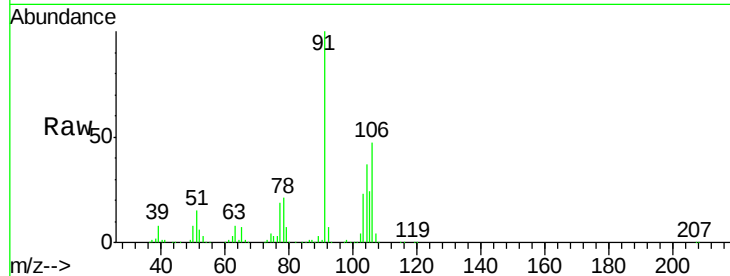
#69
o-Xylene
Concen: 51.828 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD067223.D
Acq: 09 Oct 2020 20:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 371087
Ion Ratio Lower Upper
106 100
91 212.9 102.4 307.2

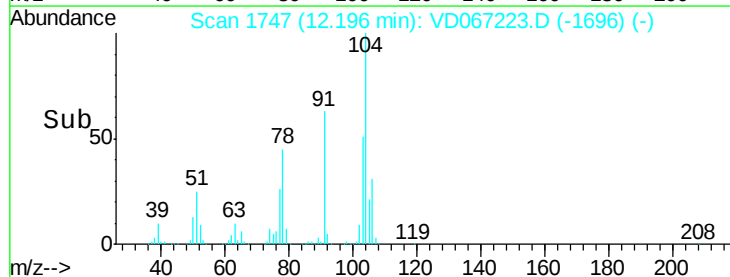
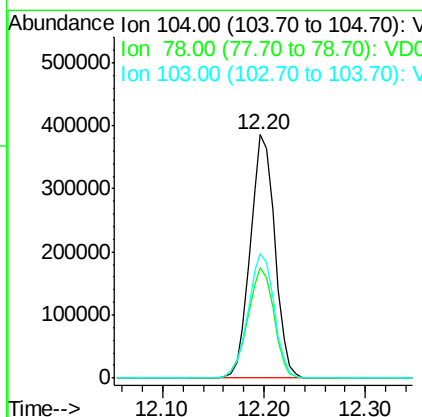
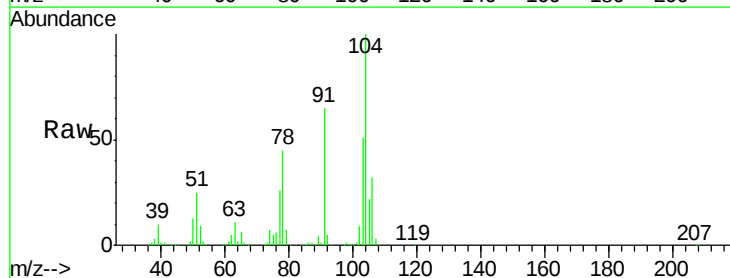
Manual Integrations
APPROVED

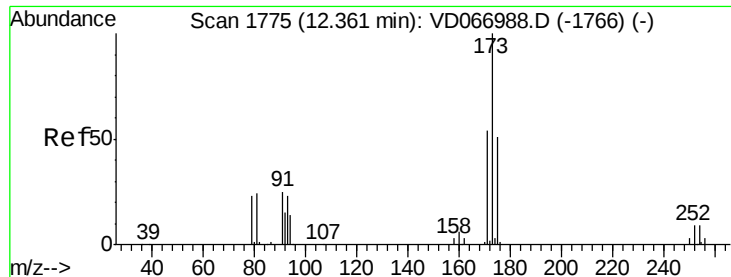
apatel
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#70
Styrene
Concen: 52.780 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD067223.D
Acq: 09 Oct 2020 20:29

Tgt Ion:104 Resp: 648914
Ion Ratio Lower Upper
104 100
78 48.4 38.6 58.0
103 54.5 43.4 65.0





#71

Bromoform

Concen: 51.975 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD067223.D

Acq: 09 Oct 2020 20:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 123056

Ion Ratio Lower Upper

173 100

175 48.1 24.9 74.7

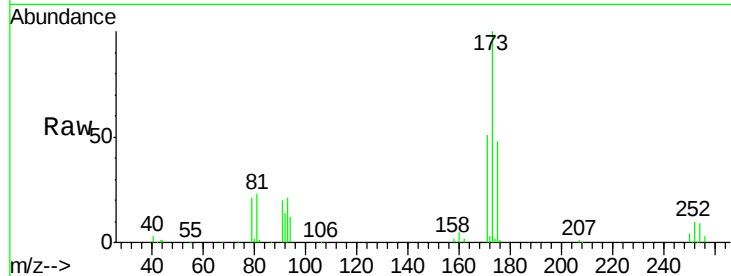
254 0.0 0.2 0.4#

Manual Integrations

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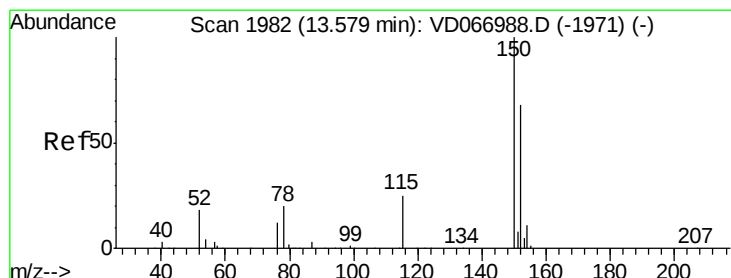
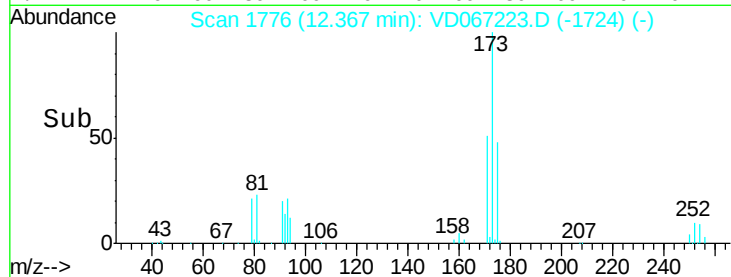
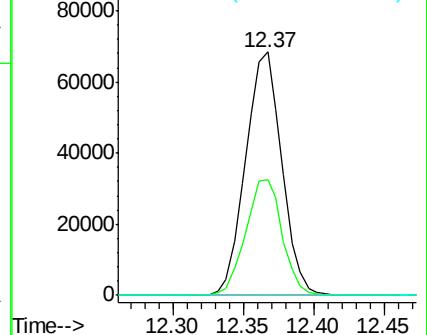
10/12/2020 10:42:35 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD067223.D

Acq: 09 Oct 2020 20:29

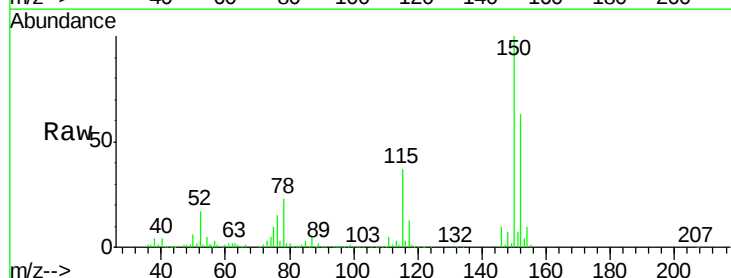
Tgt Ion:152 Resp: 291235

Ion Ratio Lower Upper

152 100

115 58.6 29.6 88.8

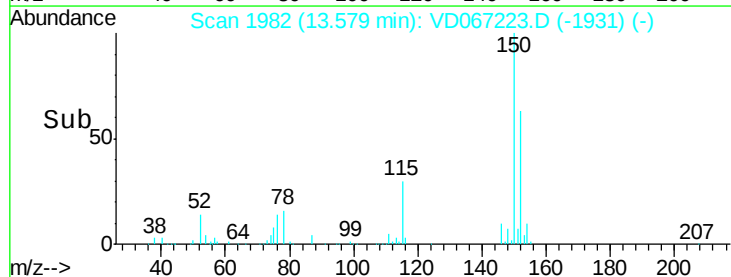
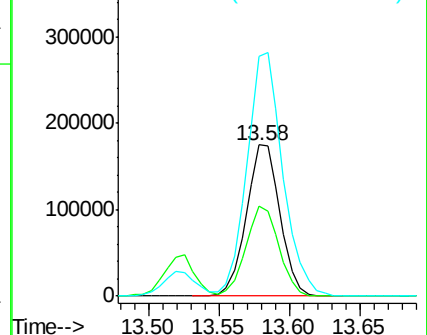
150 172.1 0.0 344.8

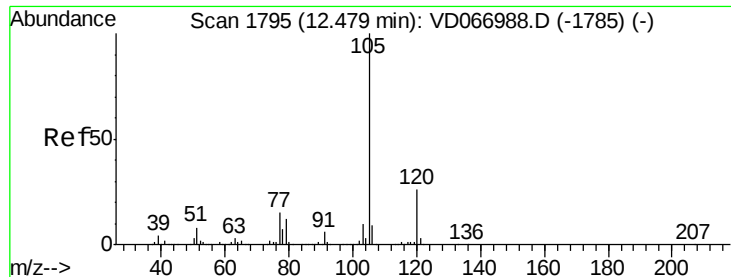


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





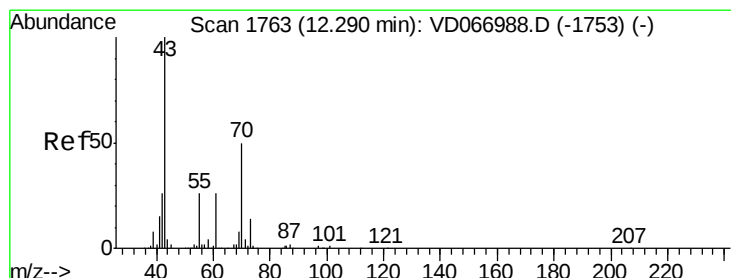
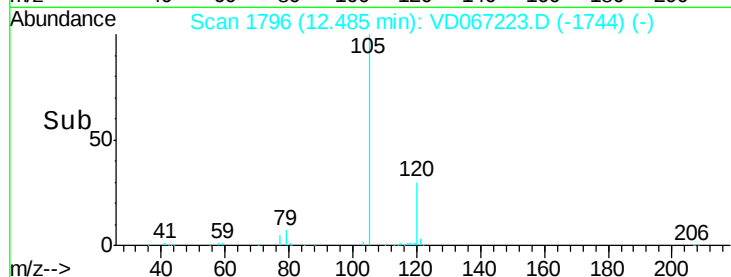
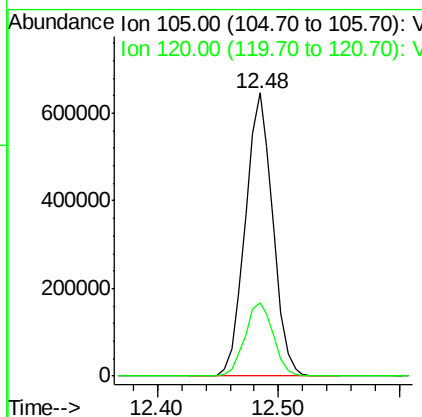
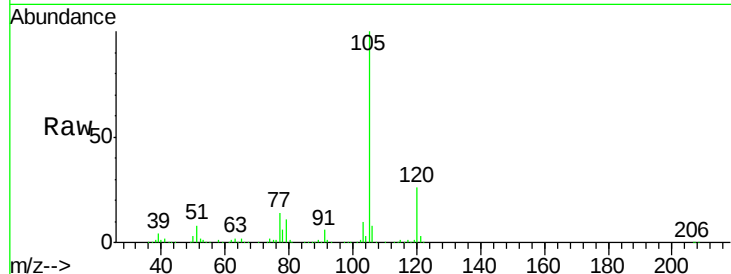
#73
Isopropylbenzene
Concen: 51.759 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.01 min
Lab File: VD067223.D
Acq: 09 Oct 2020 20:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:105 Resp: 1023551
Ion Ratio Lower Upper
105 100
120 26.8 13.3 39.9

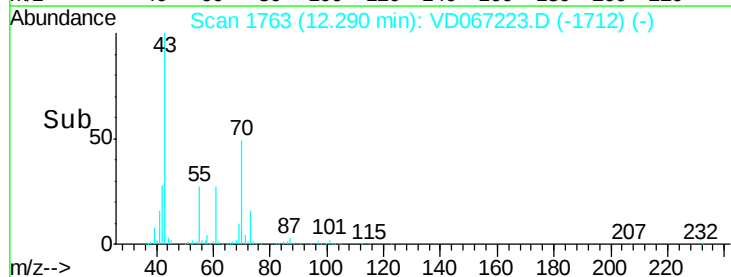
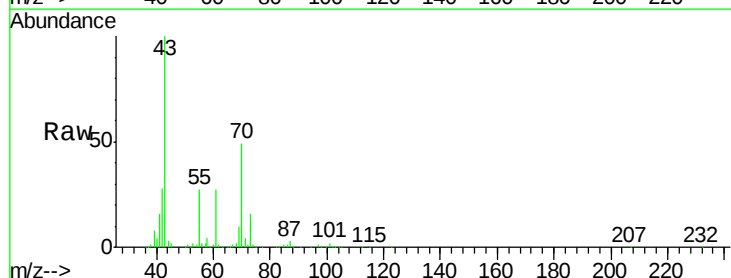
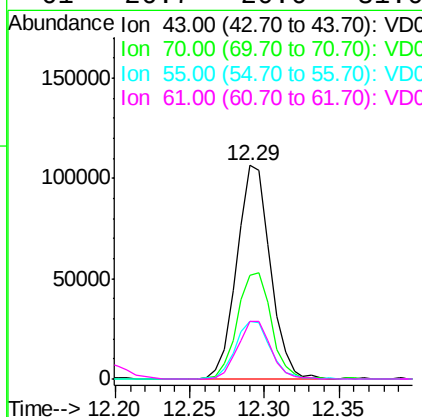
Manual Integrations
APPROVED

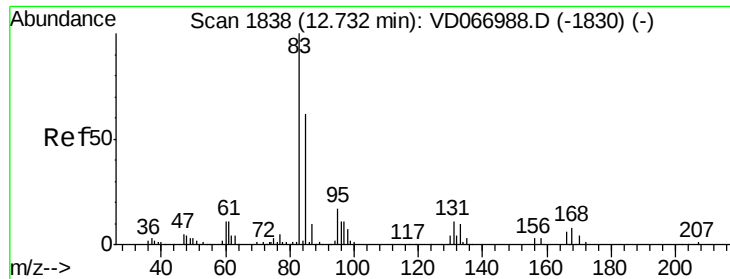
apatel
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#74
N-ethyl acetate
Concen: 46.718 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. 0.00 min
Lab File: VD067223.D
Acq: 09 Oct 2020 20:29

Tgt Ion: 43 Resp: 166078
Ion Ratio Lower Upper
43 100
70 50.4 38.2 57.2
55 28.5 22.4 33.6
61 26.7 20.6 31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 47.331 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.01 min

Lab File: VD067223.D

Acq: 09 Oct 2020 20:29

Instrument :

MSVOA_D

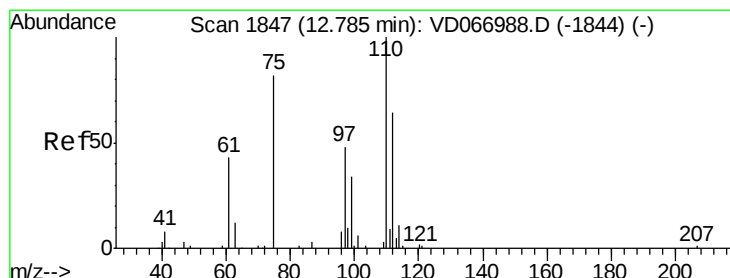
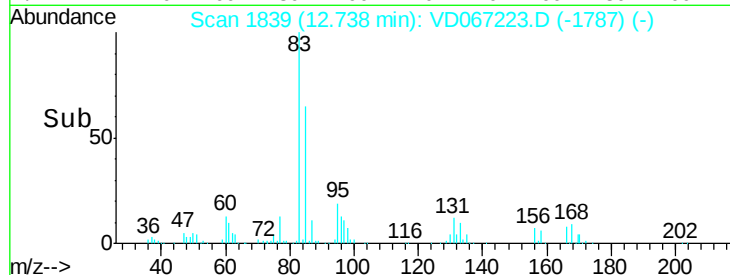
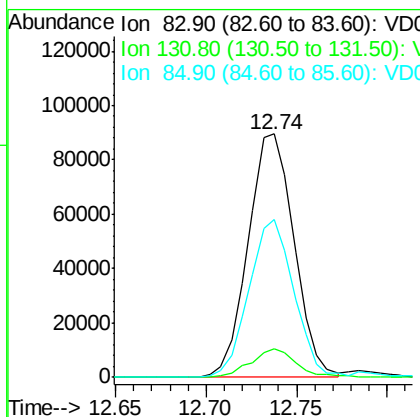
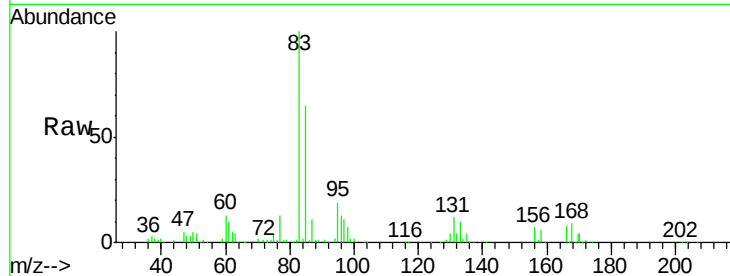
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	157701
Ion Ratio	Lower	Upper	
83	100		
131	11.7	5.7	17.0
85	63.5	32.0	96.2

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#76

1,2,3-Trichloropropane

Concen: 45.343 ug/l m

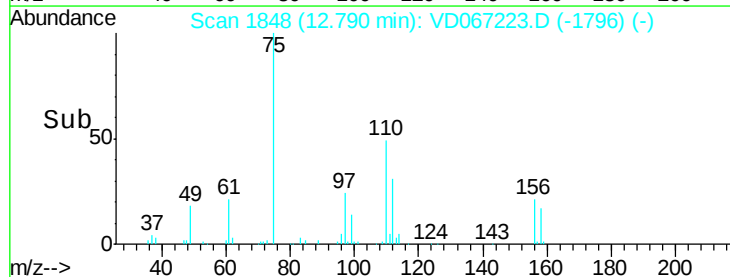
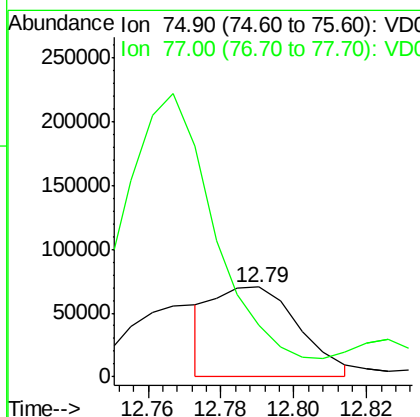
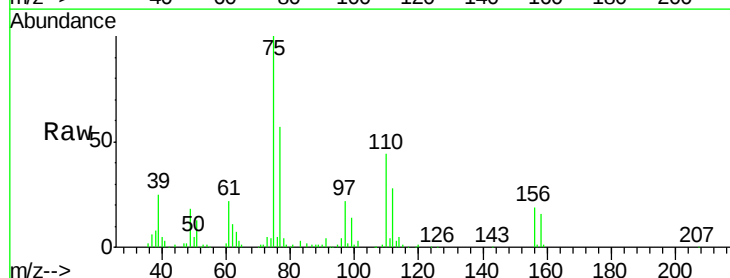
RT: 12.79 min Scan# 1848

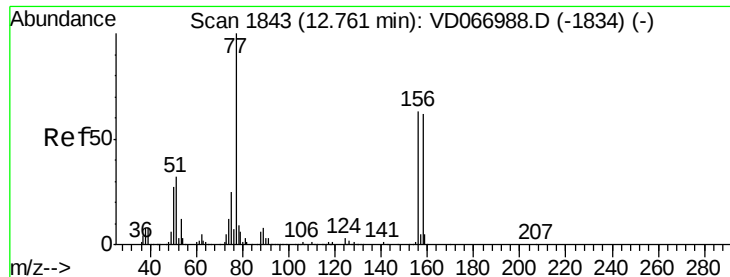
Delta R.T. 0.01 min

Lab File: VD067223.D

Acq: 09 Oct 2020 20:29

Tgt Ion:	75	Resp:	115023
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 52.278 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD067223.D

Acq: 09 Oct 2020 20:29

Instrument :

MSVOA_D

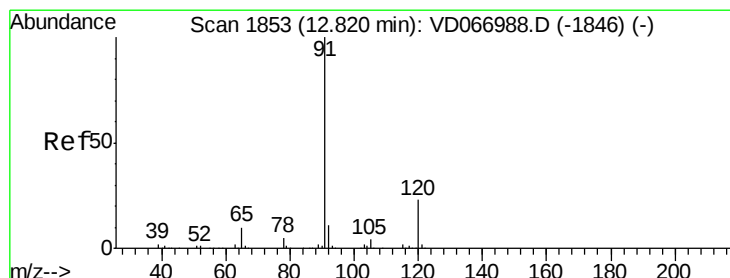
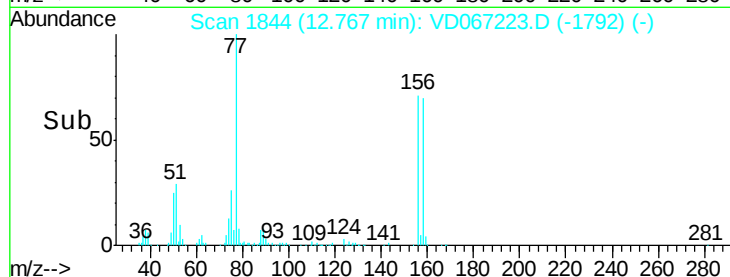
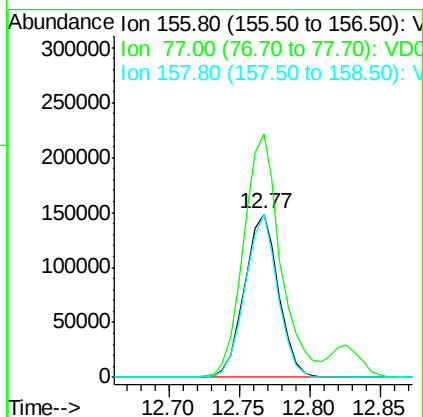
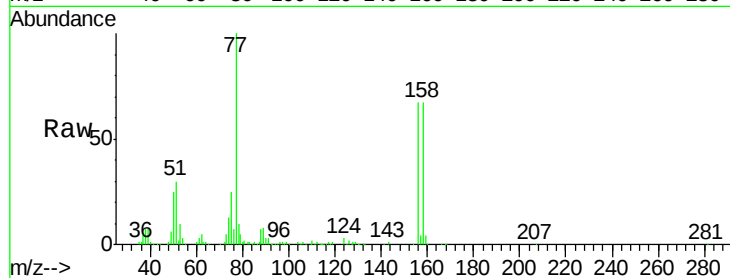
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	249626
Ion Ratio	Lower	Upper	
156	100		
77	163.9	86.3	258.8
158	95.9	49.5	148.3

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#78

n-propylbenzene

Concen: 50.300 ug/l

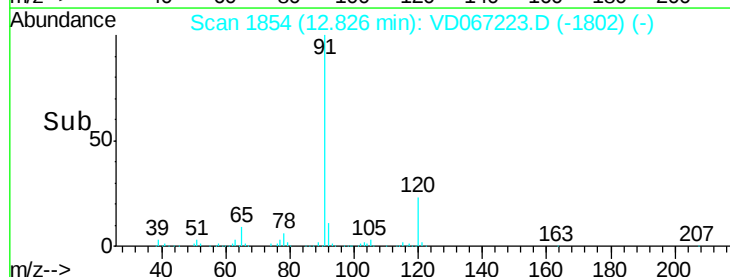
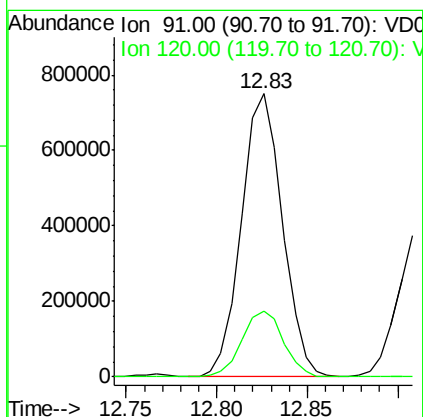
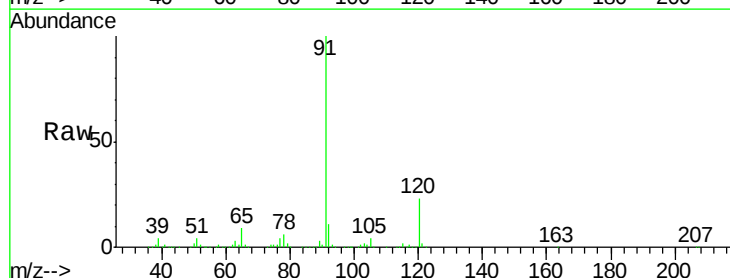
RT: 12.83 min Scan# 1854

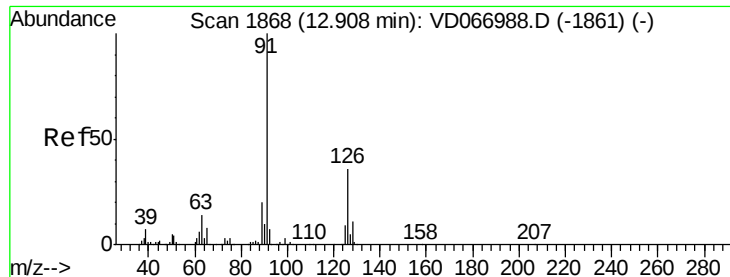
Delta R.T. 0.01 min

Lab File: VD067223.D

Acq: 09 Oct 2020 20:29

Tgt Ion:	91	Resp:	1175556
Ion Ratio	Lower	Upper	
91	100		
120	23.8	11.6	34.8





#79

2-Chlorotoluene

Concen: 50.809 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.01 min

Lab File: VD067223.D

Acq: 09 Oct 2020 20:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 679397

Ion Ratio Lower Upper

91 100

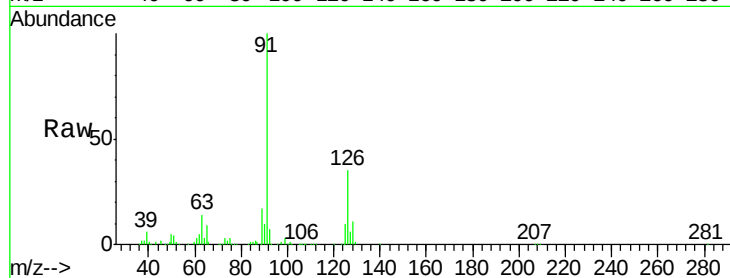
126 35.4 17.5 52.6

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Abundance Ion 91.00 (90.70 to 91.70): VD066988.D (-1861) (-)

Ion 125.90 (125.60 to 126.60): VD066988.D (-1861) (-)

600000

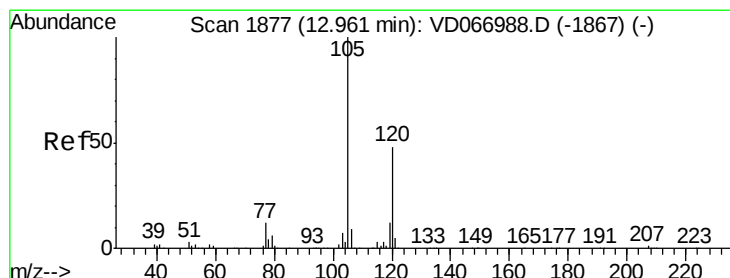
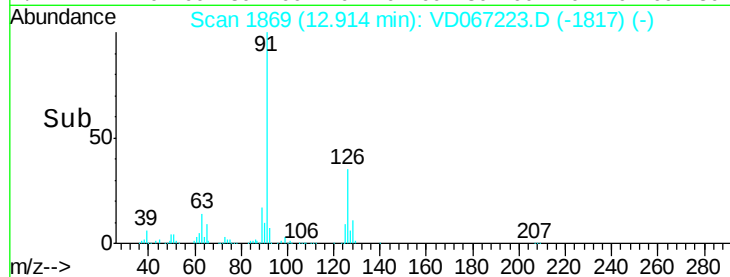
400000

200000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 52.234 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VD067223.D

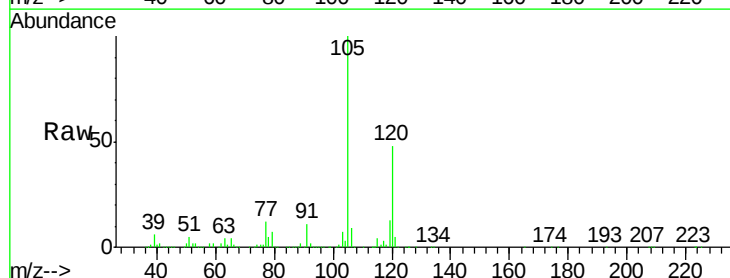
Acq: 09 Oct 2020 20:29

Tgt Ion: 105 Resp: 872707

Ion Ratio Lower Upper

105 100

120 49.3 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VD066988.D (-1867) (-)

Ion 120.00 (119.70 to 120.70): VD066988.D (-1867) (-)

600000

500000

400000

300000

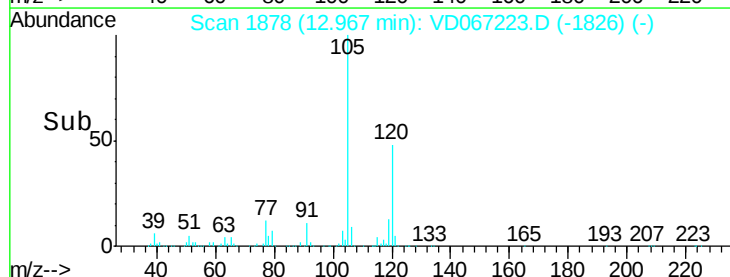
200000

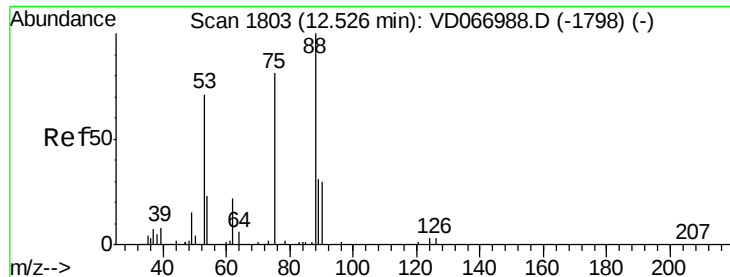
100000

0

12.90 13.00

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 50.889 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.01 min

Lab File: VD067223.D

Acq: 09 Oct 2020 20:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 51780

Ion Ratio Lower Upper

75 100

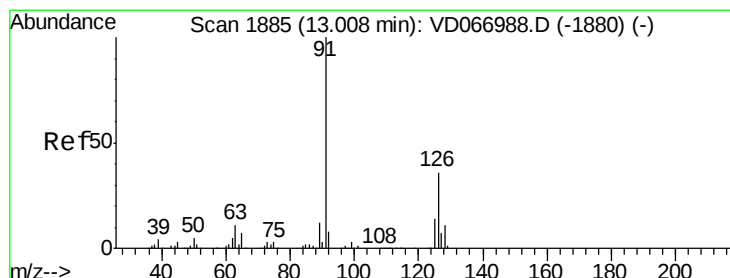
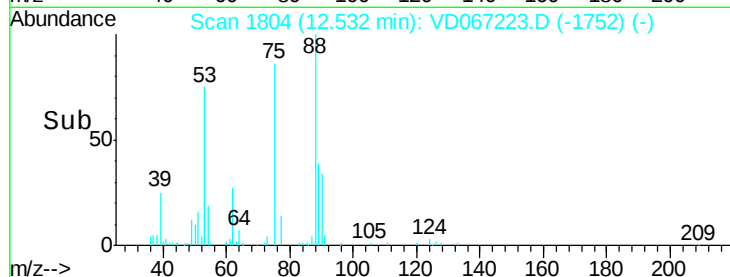
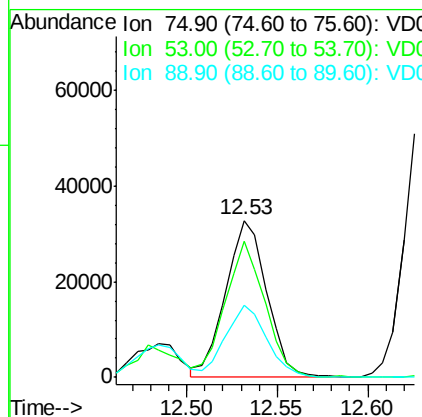
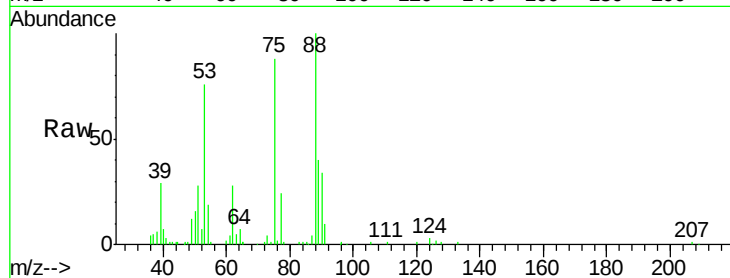
53 83.9 73.8 110.6

89 45.7 38.9 58.3

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#82

4-Chlorotoluene

Concen: 50.210 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD067223.D

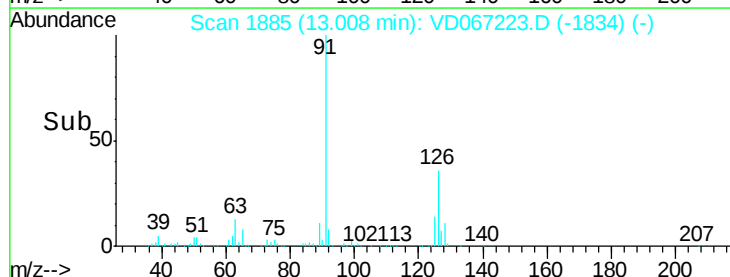
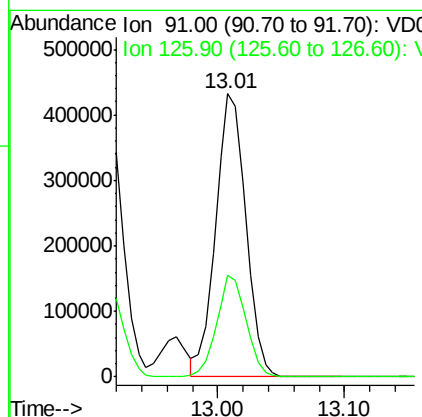
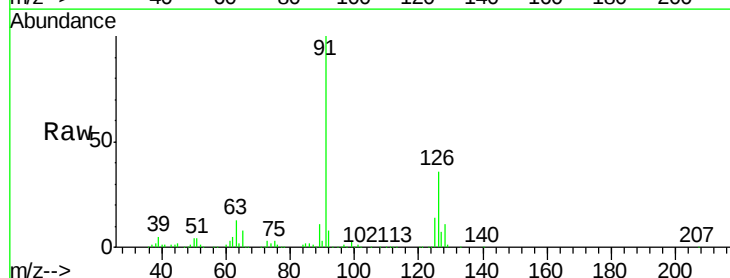
Acq: 09 Oct 2020 20:29

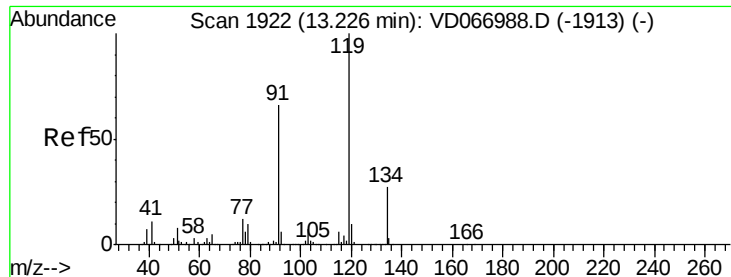
Tgt Ion: 91 Resp: 714328

Ion Ratio Lower Upper

91 100

126 34.9 17.5 52.5





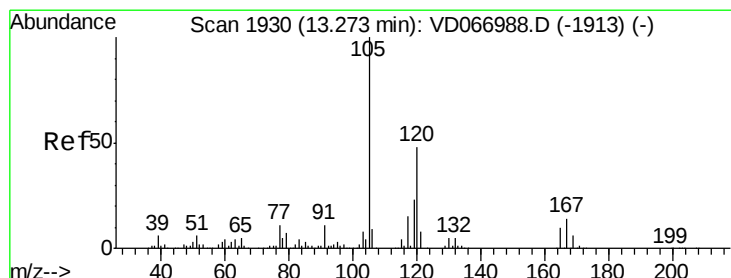
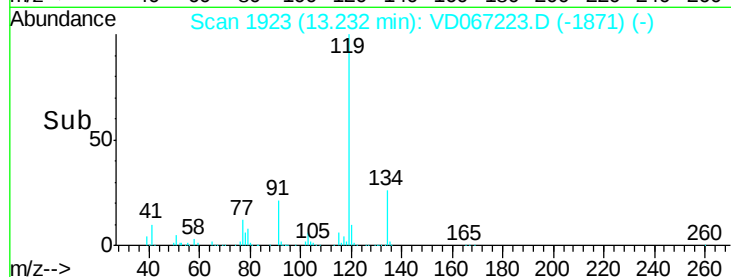
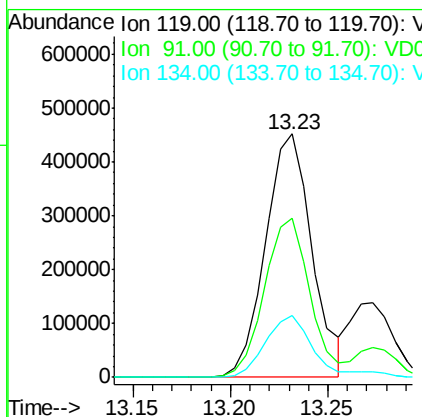
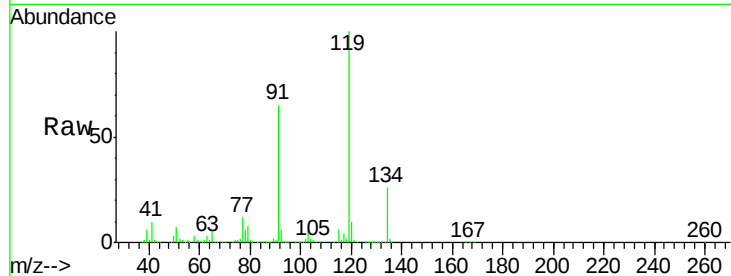
#83
tert-Butylbenzene
Concen: 53.109 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.01 min
Lab File: VD067223.D
Acq: 09 Oct 2020 20:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.6	32.8	98.3
134	27.0	13.9	41.7

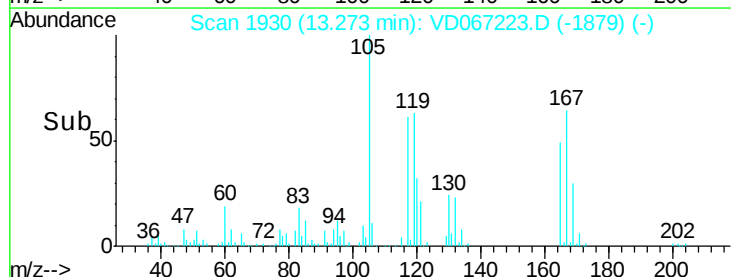
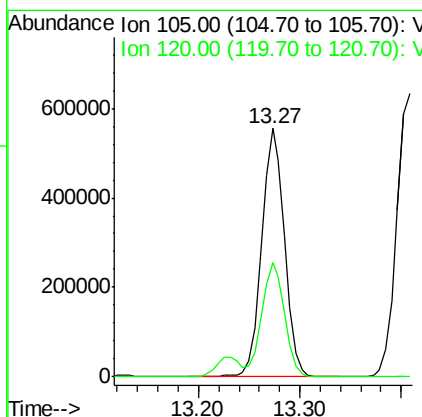
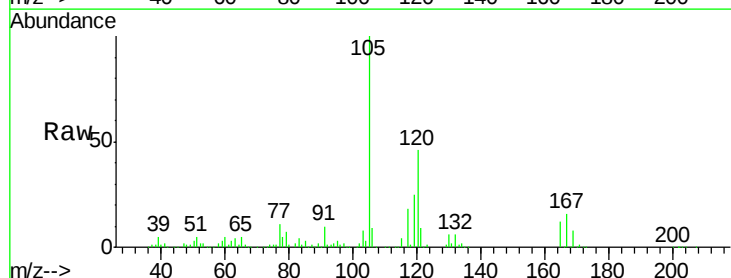
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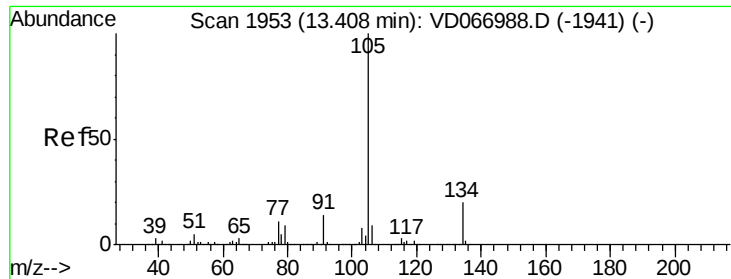
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#84
1,2,4-Trimethylbenzene
Concen: 52.183 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067223.D
Acq: 09 Oct 2020 20:29

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.3	69.8





#85

sec-Butylbenzene

Concen: 50.728 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD067223.D

Acq: 09 Oct 2020 20:29

Instrument :

MSVOA_D

ClientSampleID :

VSTDCCC050EC

Tot Ion:105 Resp: 1005097

Ion Ratio Lower Upper

105 100

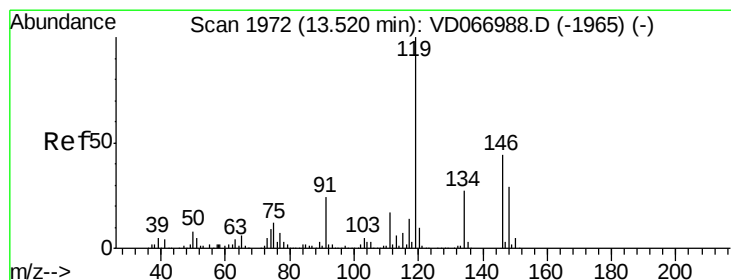
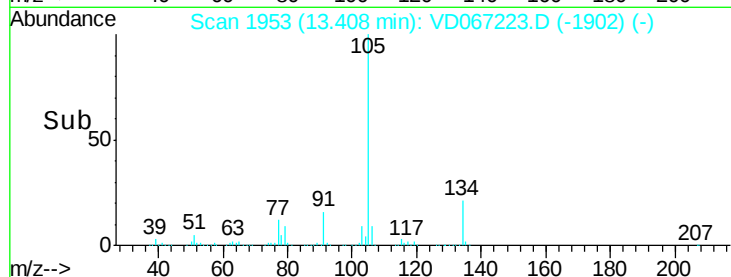
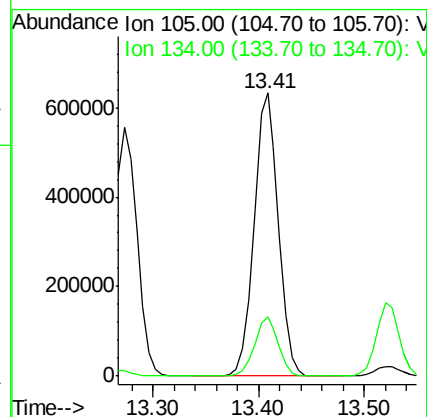
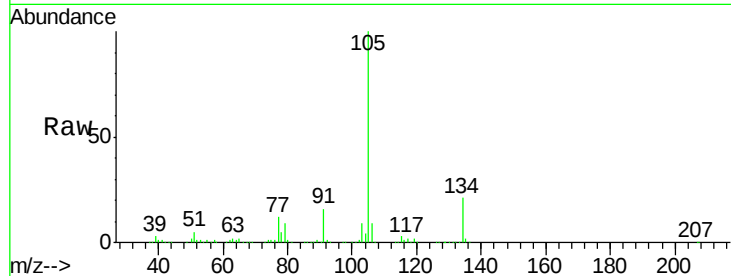
134 20.5 10.3 30.8

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#86

p-Isopropyltoluene

Concen: 51.001 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067223.D

Acq: 09 Oct 2020 20:29

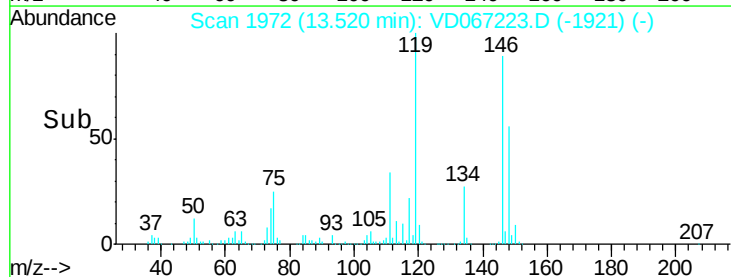
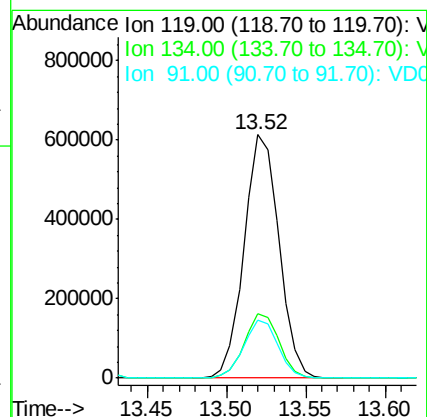
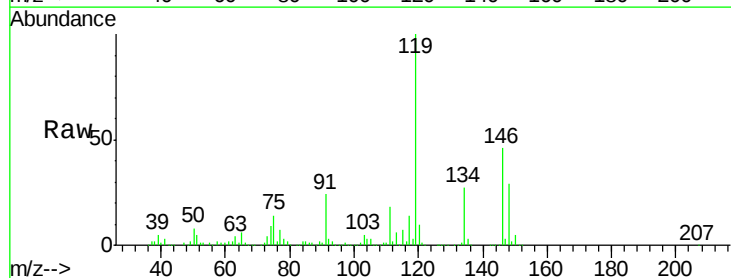
Tgt Ion:119 Resp: 936846

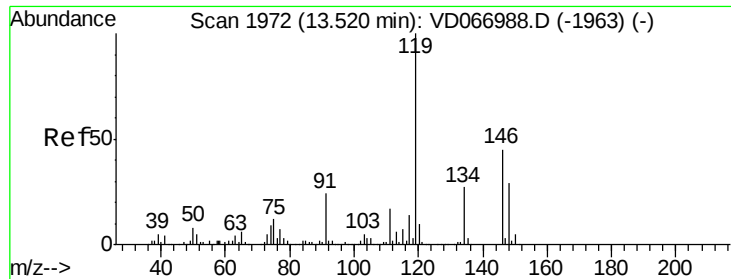
Ion Ratio Lower Upper

119 100

134 26.4 13.1 39.1

91 23.6 11.7 35.1





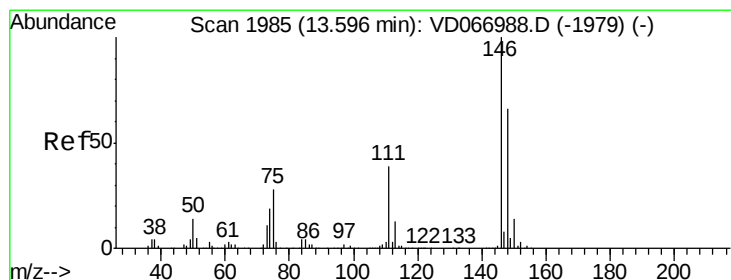
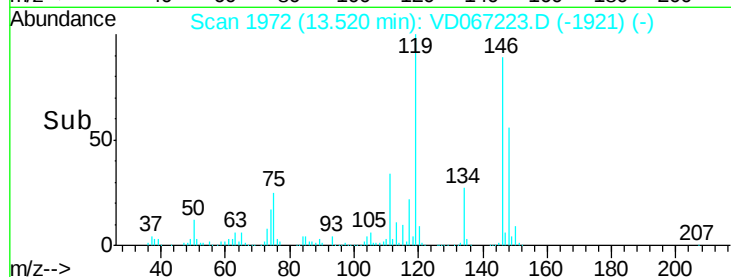
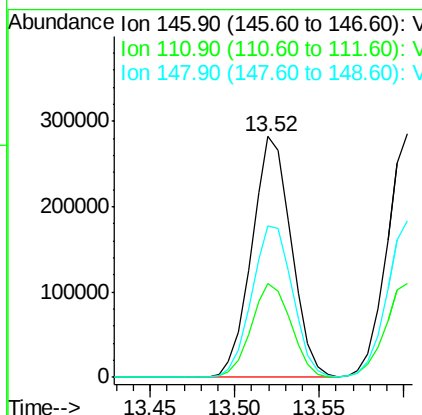
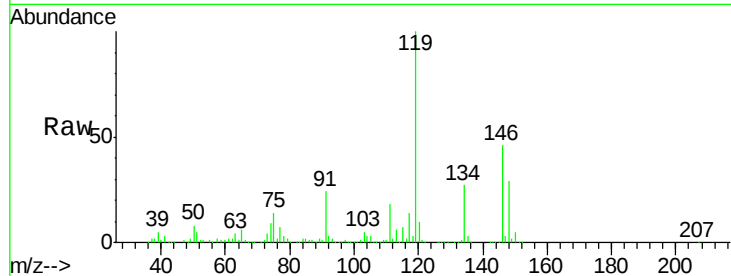
#87
 1,3-Dichlorobenzene
 Concen: 49.446 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067223.D
 Acq: 09 Oct 2020 20:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	459891		
111	39.2	20.0	60.0	
148	64.9	31.9	95.9	

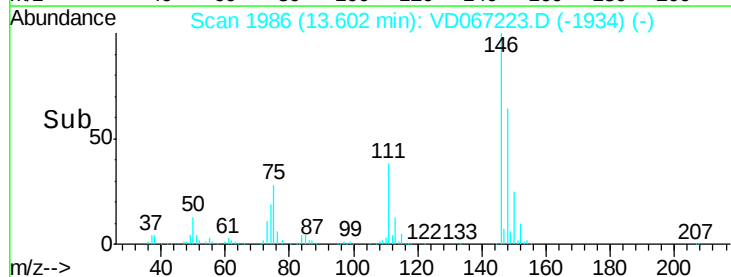
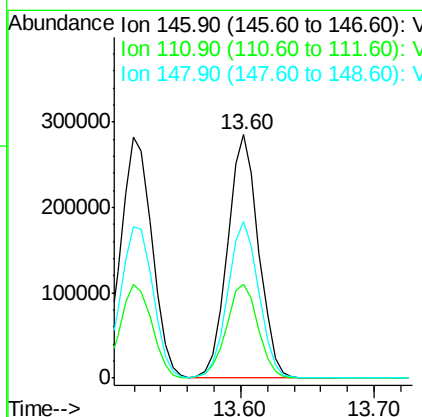
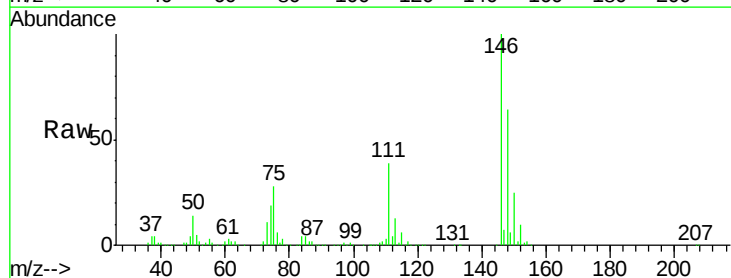
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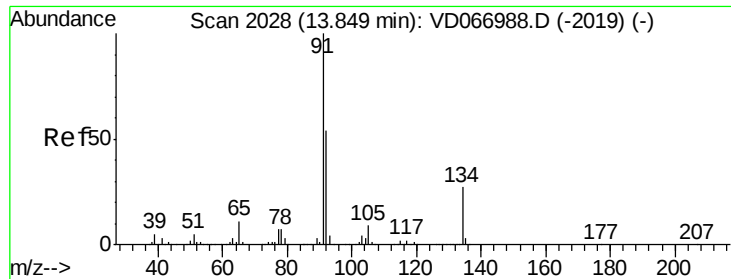
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#88
 1,4-Dichlorobenzene
 Concen: 49.640 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.01 min
 Lab File: VD067223.D
 Acq: 09 Oct 2020 20:29

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	461647		
111	39.7	19.6	58.7	
148	64.5	32.6	97.7	





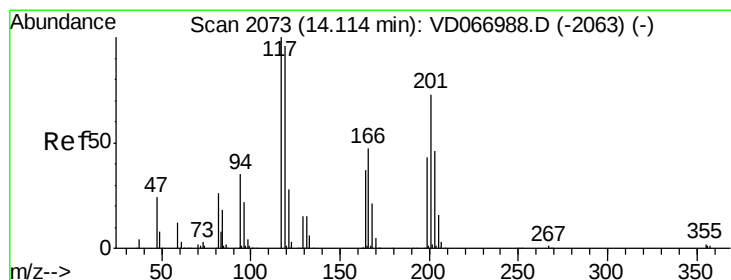
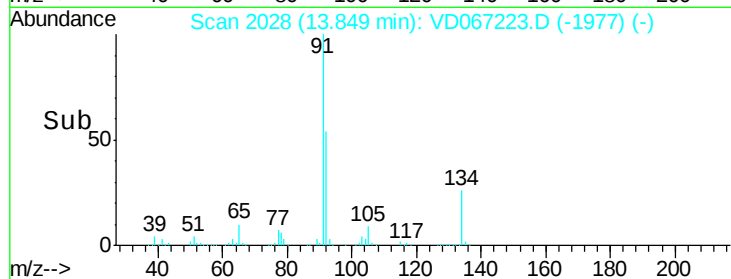
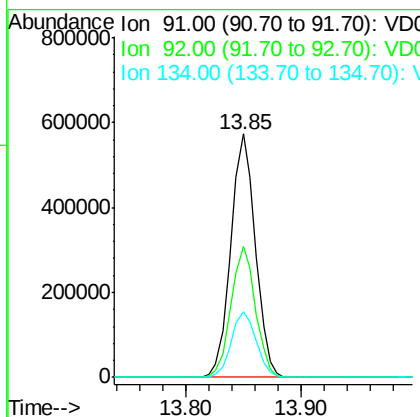
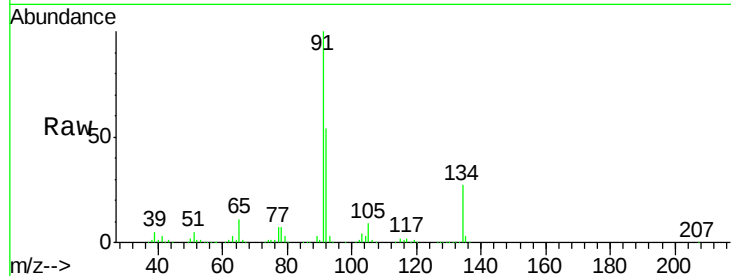
#89
n-Butylbenzene
Concen: 50.166 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067223.D
Acq: 09 Oct 2020 20:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.5	27.1	81.2	
134	27.3	13.6	40.8	

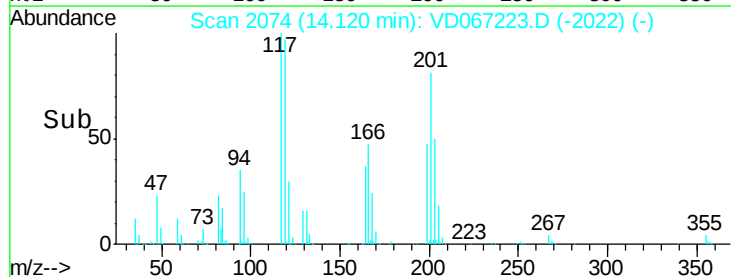
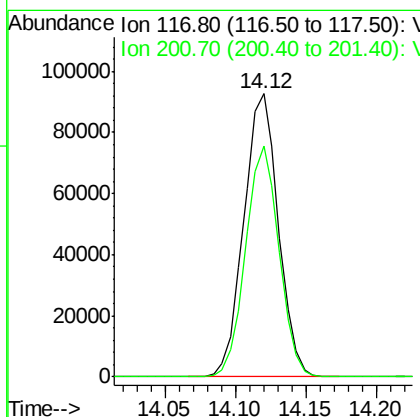
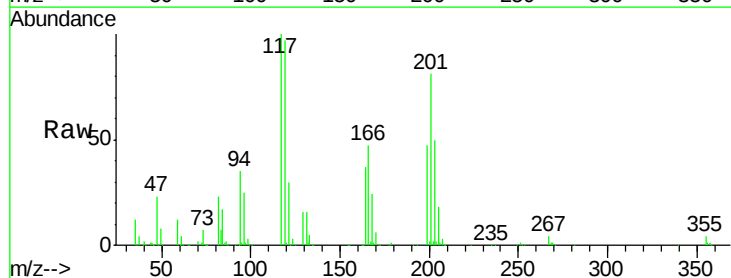
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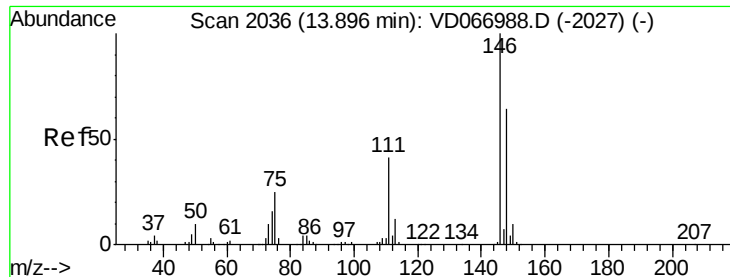
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#90
Hexachloroethane
Concen: 49.403 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD067223.D
Acq: 09 Oct 2020 20:29

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	78.9	37.0	110.9	





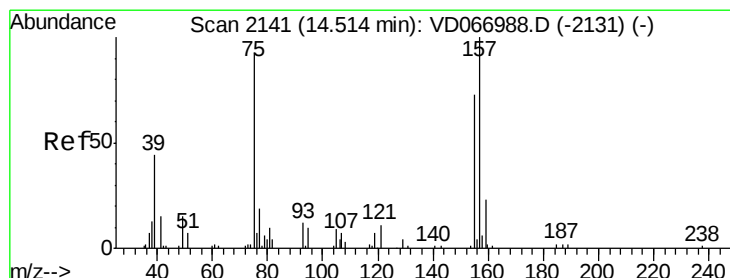
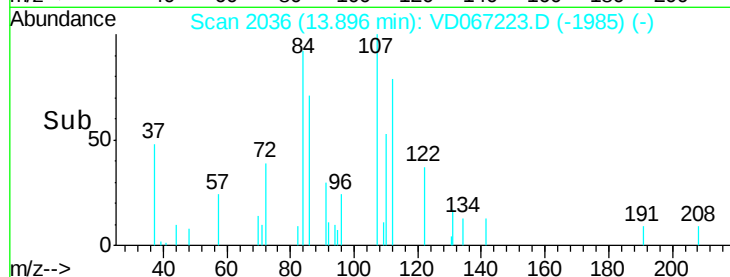
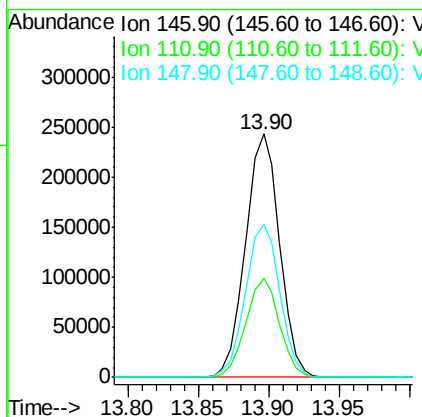
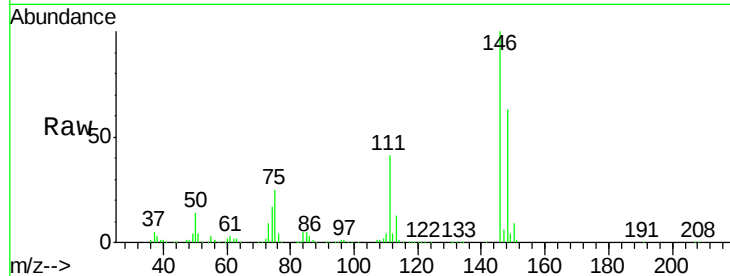
#91
 1,2-Dichlorobenzene
 Concen: 50.766 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067223.D
 Acq: 09 Oct 2020 20:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.9	62.7
148	63.5	32.3	96.9

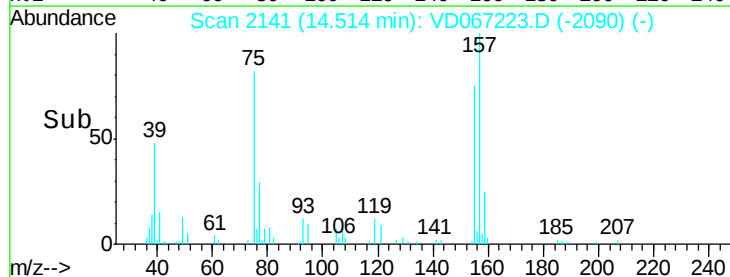
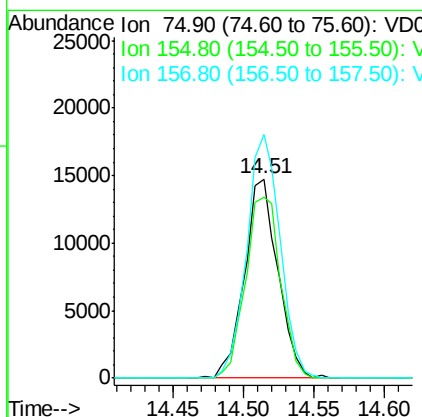
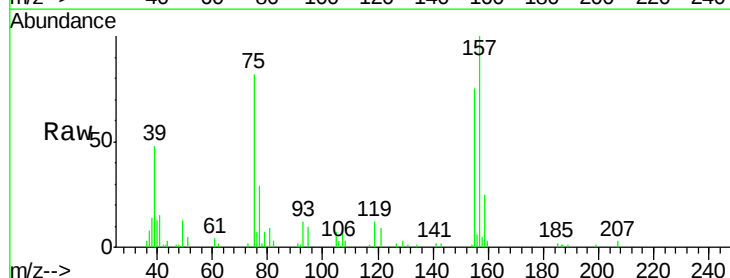
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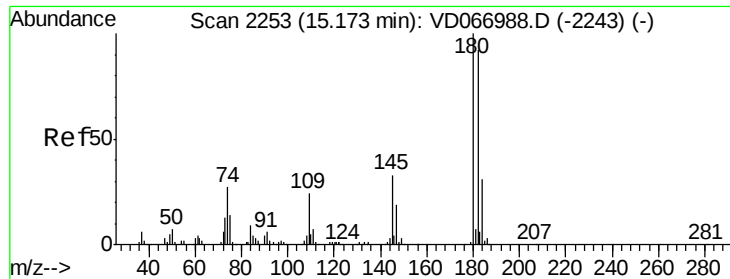
apatel
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.641 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD067223.D
 Acq: 09 Oct 2020 20:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.4	45.2	135.6
157	122.5	56.3	168.8





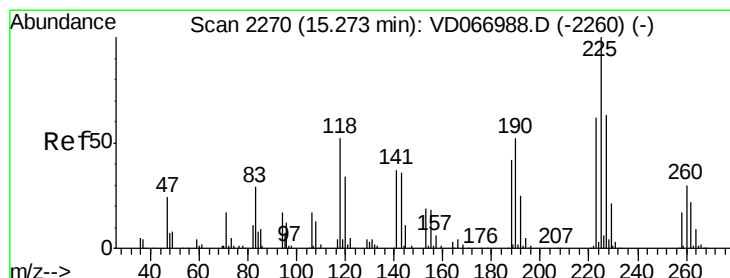
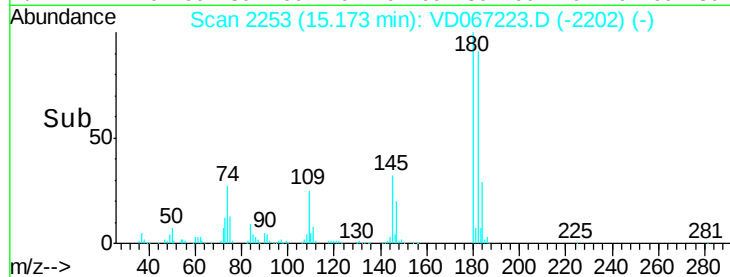
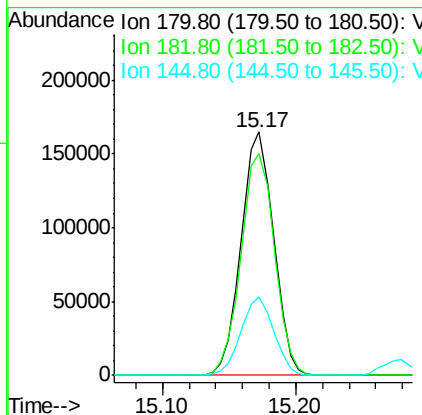
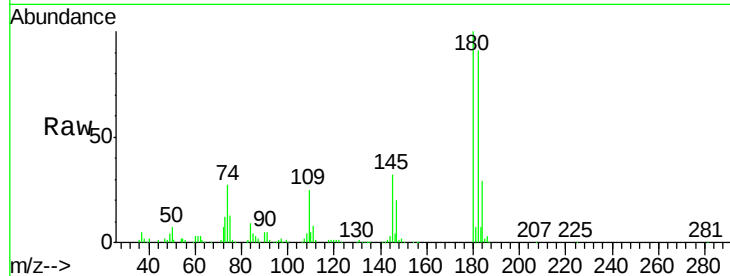
#93
 1,2,4-Trichlorobenzene
 Concen: 53.047 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD067223.D
 Acq: 09 Oct 2020 20:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	278715		
182	94.0	47.3	142.0	
145	32.5	16.4	49.1	

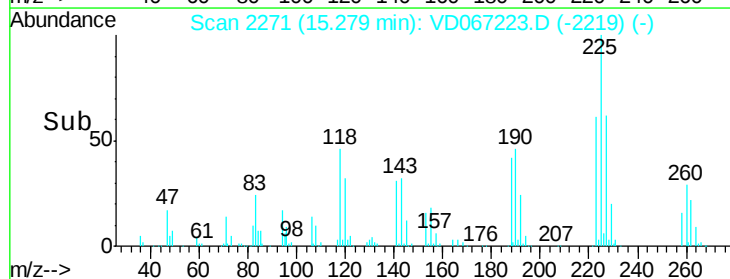
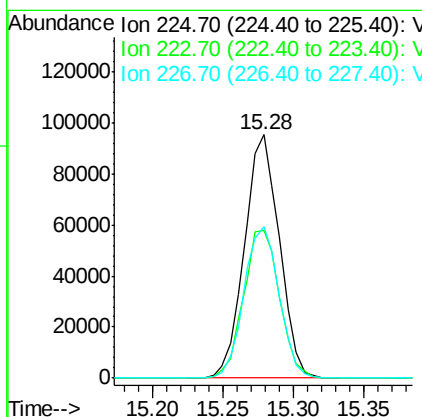
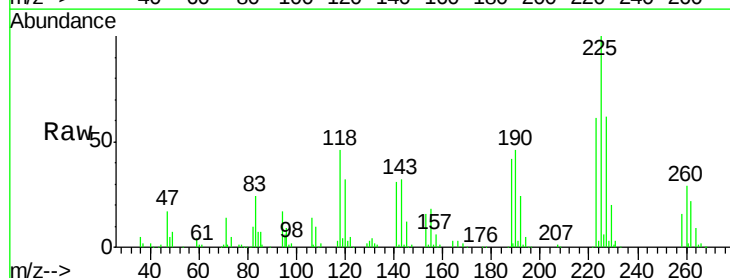
Manual Integrations
 APPROVED

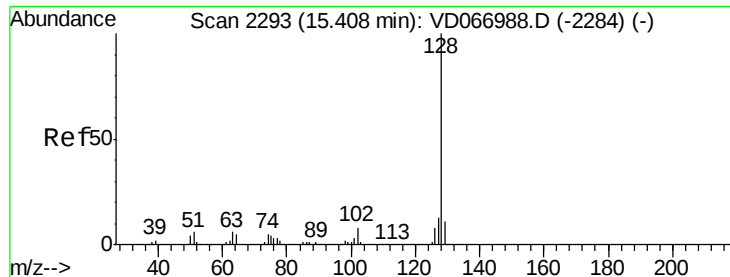
apatel
 10/12/2020 10:42:35 AM



#94
 Hexachlorobutadiene
 Concen: 51.151 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD067223.D
 Acq: 09 Oct 2020 20:29

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	165051		
223	63.1	32.4	97.0	
227	62.7	31.6	95.0	





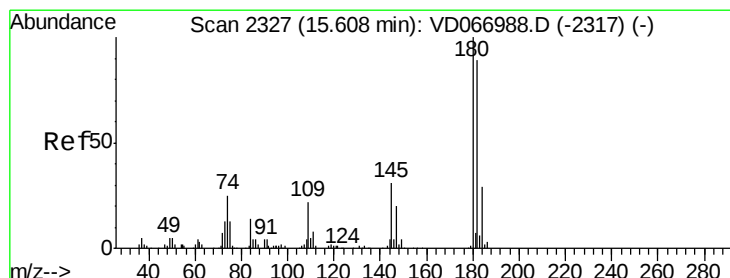
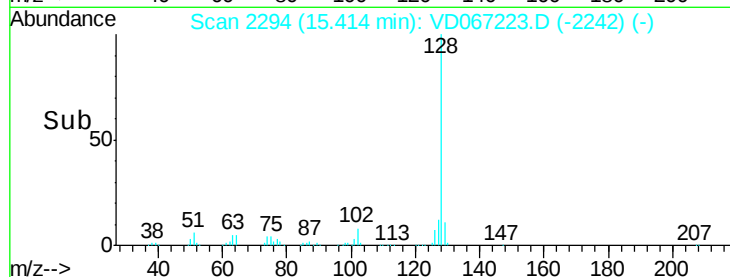
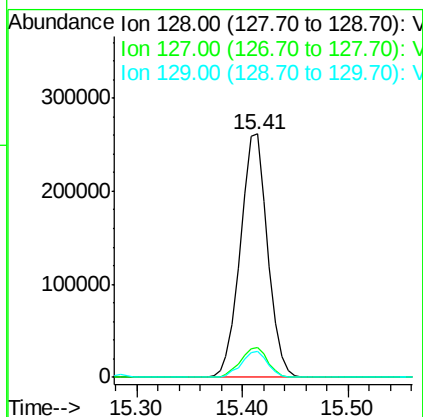
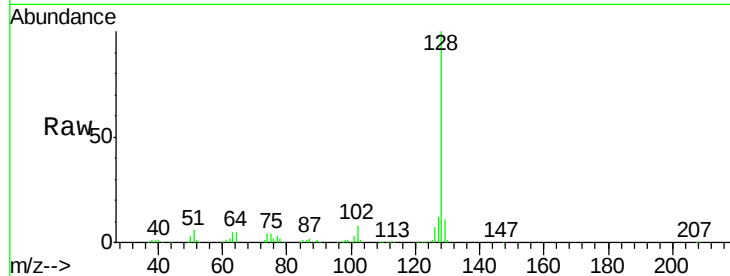
#95
Naphthalene
Concen: 53.211 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.01 min
Lab File: VD067223.D
Acq: 09 Oct 2020 20:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.3	15.5
129	10.4	8.6	13.0

Manual Integrations
APPROVED

apatel
10/12/2020 10:42:35 AM



#96
1,2,3-Trichlorobenzene
Concen: 51.794 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.01 min
Lab File: VD067223.D
Acq: 09 Oct 2020 20:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	46.4	139.1
145	34.6	16.6	49.7

