

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101320\
 Data File : VD067249.D
 Acq On : 13 Oct 2020 13:38
 Operator : VA/SY
 Sample : VSTDICV050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD101320

Quant Time: Oct 14 02:10:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 13 13:05:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	371828	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	556733	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	509293	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	253301	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	190767	51.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.42%	
35) Dibromofluoromethane	7.92	113	194371	52.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.92%	
50) Toluene-d8	10.34	98	709118	52.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.78%	
62) 4-Bromofluorobenzene	12.64	95	248819	53.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	152137	51.067	ug/l	94
3) Chloromethane	2.21	50	108091	46.191	ug/l	99
4) Vinyl Chloride	2.35	62	121459	47.305	ug/l	99
5) Bromomethane	2.77	94	87278	48.791	ug/l	99
6) Chloroethane	2.92	64	74390	46.522	ug/l	93
7) Trichlorofluoromethane	3.27	101	309976	47.944	ug/l	96
8) Diethyl Ether	3.71	74	73480	49.667	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.10	101	165849	48.282	ug/l	98
10) Methyl Iodide	4.30	142	159006	50.180	ug/l	99
11) Tert butyl alcohol	5.21	59	48072	247.812	ug/l #	96
12) 1,1-Dichloroethene	4.06	96	152006	49.533	ug/l	92
13) Acrolein	3.92	56	56379	252.952	ug/l	99
14) Allyl chloride	4.71	41	177966	50.641	ug/l	98
15) Acrylonitrile	5.43	53	126170	255.585	ug/l	100
16) Acetone	4.16	43	134657	258.108	ug/l	98
17) Carbon Disulfide	4.41	76	420518	48.068	ug/l	97
18) Methyl Acetate	4.71	43	56764	47.703	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	314378	51.521	ug/l	99
20) Methylene Chloride	4.96	84	173509	52.110	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	173209	49.047	ug/l	97
22) Diisopropyl ether	6.36	45	330614	51.499	ug/l	99
23) Vinyl Acetate	6.31	43	1010245	276.601	ug/l	100
24) 1,1-Dichloroethane	6.27	63	269221	48.990	ug/l	99
25) 2-Butanone	7.21	43	156877	263.794	ug/l	94
26) 2,2-Dichloropropane	7.21	77	275949	48.717	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	194508	50.255	ug/l	99
28) Bromochloromethane	7.55	49	95077	50.723	ug/l	99
29) Tetrahydrofuran	7.57	42	84384	255.261	ug/l	95
30) Chloroform	7.71	83	315446	48.051	ug/l	91
31) Cyclohexane	7.98	56	206653	48.164	ug/l	93
32) 1,1,1-Trichloroethane	7.90	97	313908	48.735	ug/l	98
36) 1,1-Dichloropropene	8.11	75	232665	49.307	ug/l	99
37) Ethyl Acetate	7.30	43	69345	49.949	ug/l	96
38) Carbon Tetrachloride	8.10	117	293774	48.711	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	256722	52.041	ug/l	99
40) Benzene	8.35	78	647308	50.004	ug/l	97
41) Methacrylonitrile	7.53	41	33156	44.195	ug/l #	88
42) 1,2-Dichloroethane	8.42	62	201500	49.739	ug/l	99
43) Isopropyl Acetate	8.46	43	143336	52.032	ug/l	100
44) Trichloroethene	9.11	130	203812	49.174	ug/l	97
45) 1,2-Dichloropropane	9.39	63	148637	49.543	ug/l	98
46) Dibromomethane	9.48	93	92801	49.646	ug/l	94
47) Bromodichloromethane	9.67	83	243977	48.716	ug/l	95
48) Methyl methacrylate	9.46	41	67744	50.603	ug/l	94
49) 1,4-Dioxane	9.46	88	19423	1076.040	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	362371	263.733	ug/l	98
52) Toluene	10.41	92	439762	49.877	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	222255	50.519	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	258254	50.159	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	125252	49.138	ug/l	97
56) Ethyl methacrylate	10.67	69	140934	53.312	ug/l	100
57) 1,3-Dichloropropane	10.95	76	207594	51.176	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	361933	266.884	ug/l	99
59) 2-Hexanone	10.99	43	253905	270.428	ug/l	98
60) Dibromochloromethane	11.14	129	183199	49.283	ug/l	99
61) 1,2-Dibromoethane	11.25	107	123261	49.051	ug/l	98
64) Tetrachloroethene	10.88	164	175914	47.673	ug/l	96
65) Chlorobenzene	11.67	112	485547	49.717	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	189748	48.885	ug/l	98
67) Ethyl Benzene	11.75	91	854003	51.012	ug/l	97
68) m/p-Xylenes	11.86	106	659548	102.307	ug/l	98
69) o-Xylene	12.18	106	309057	51.770	ug/l	93
70) Styrene	12.20	104	524079	50.998	ug/l	99
71) Bromoform	12.37	173	103891	49.822	ug/l #	100
73) Isopropylbenzene	12.48	105	867972	53.991	ug/l	99
74) N-amyl acetate	12.30	43	132917	54.743	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	126770	51.465	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	171413	97.637	ug/l #	100
77) Bromobenzene	12.77	156	205790	51.345	ug/l	97
78) n-propylbenzene	12.83	91	993077	53.316	ug/l	100
79) 2-Chlorotoluene	12.91	91	552894	51.186	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	731930	52.393	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	41309	53.358	ug/l	94
82) 4-Chlorotoluene	13.01	91	598388	52.195	ug/l	98
83) tert-Butylbenzene	13.23	119	627406	53.167	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	730104	52.877	ug/l	98
85) sec-Butylbenzene	13.41	105	861525	53.206	ug/l	100
86) p-Isopropyltoluene	13.53	119	801405	52.436	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	390819	50.661	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	386753	50.602	ug/l	100
89) n-Butylbenzene	13.85	91	725899	53.988	ug/l	99
90) Hexachloroethane	14.12	117	135684	50.874	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	339910	50.438	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	21616	48.304	ug/l	95

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Quant Title : SW846 8260
QLast Update : Tue Oct 13 13:05:03 2020
Response via : Initial Calibration

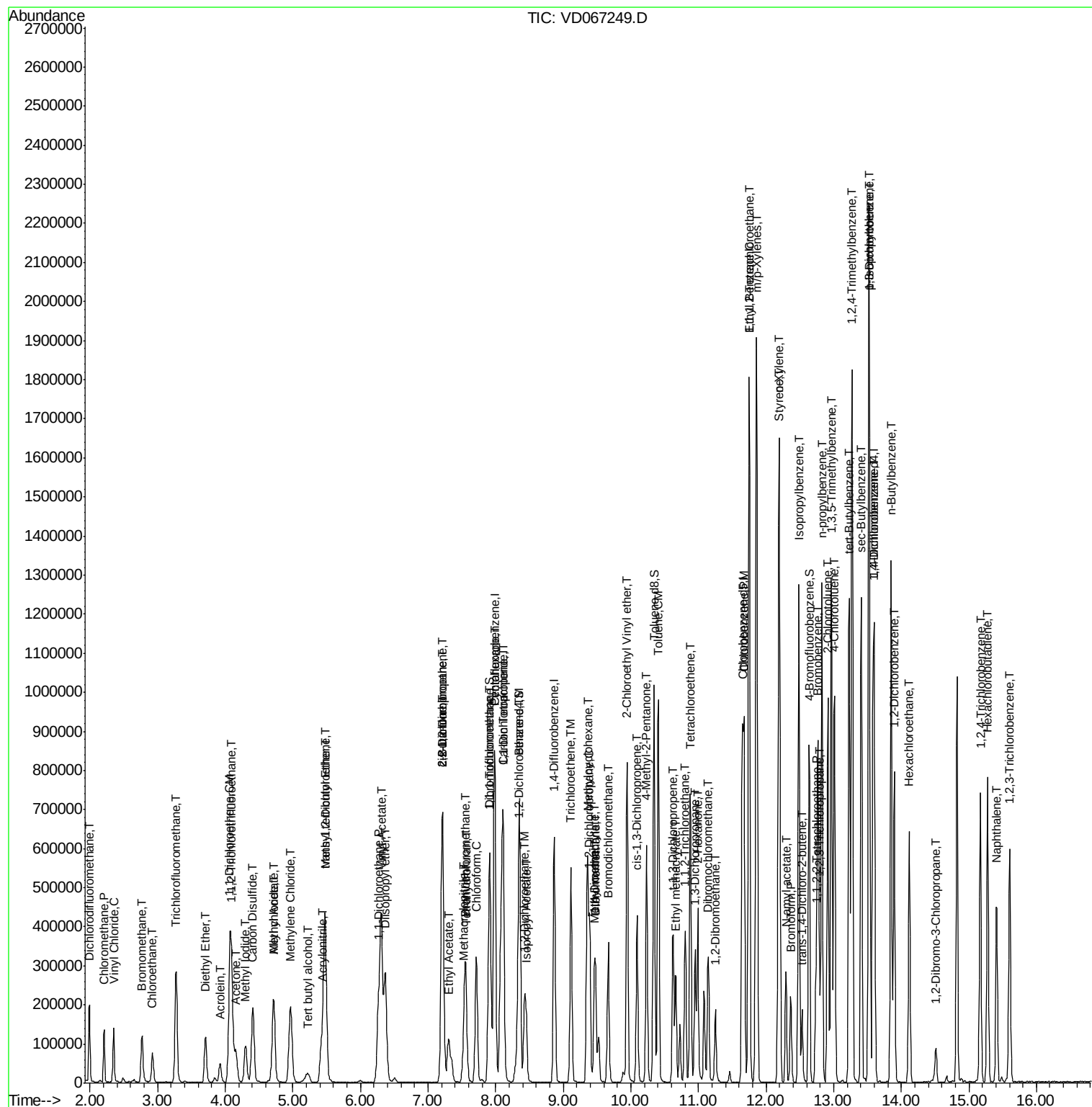
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	248876	54.773	ug/l	98
94) Hexachlorobutadiene	15.28	225	152746	54.134	ug/l	100
95) Naphthalene	15.41	128	413145	55.381	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	209357	53.334	ug/l	99

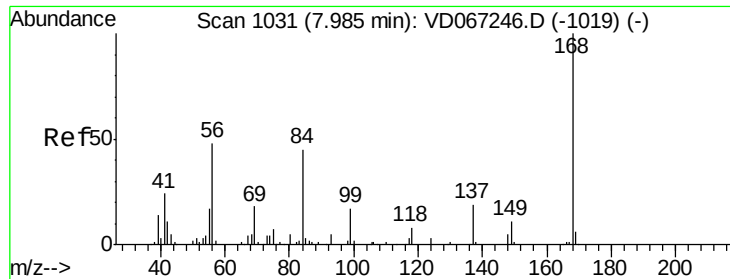
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067249.D

Acq: 13 Oct 2020 13:38

Instrument :

MSVOA_D

ClientSampleId :

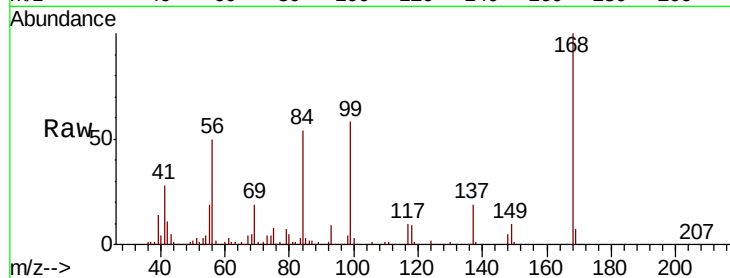
ICVVD101320

Tot Ion:168 Resp: 371828

Ion Ratio Lower Upper

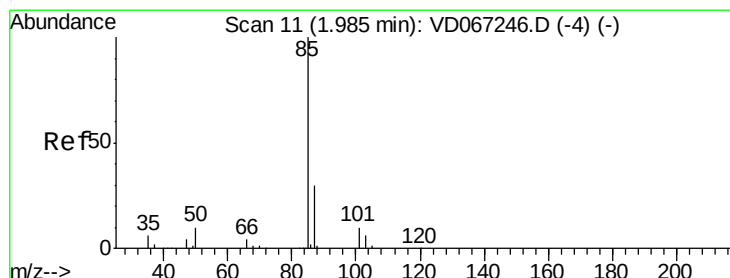
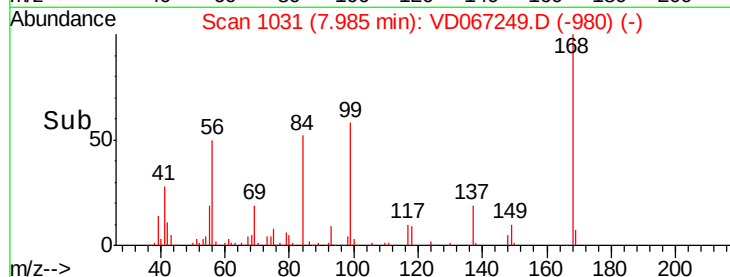
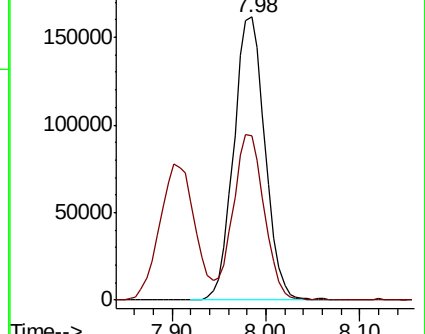
168 100

99 57.8 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 51.067 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067249.D

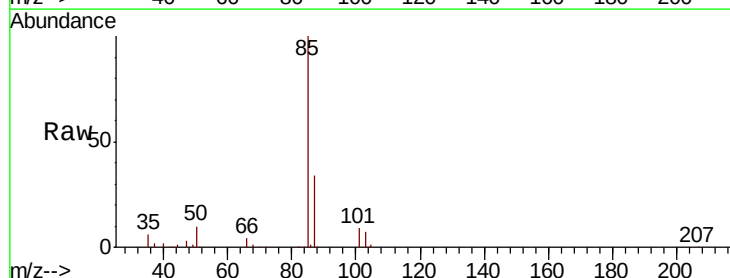
Acq: 13 Oct 2020 13:38

Tgt Ion: 85 Resp: 152137

Ion Ratio Lower Upper

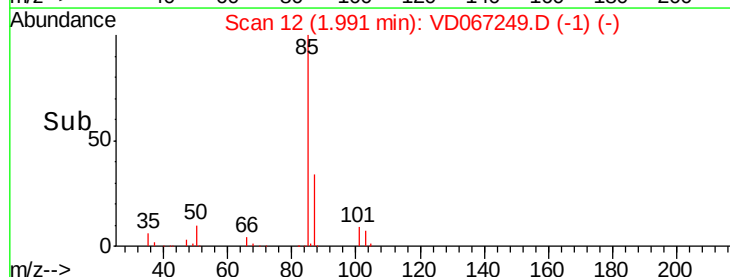
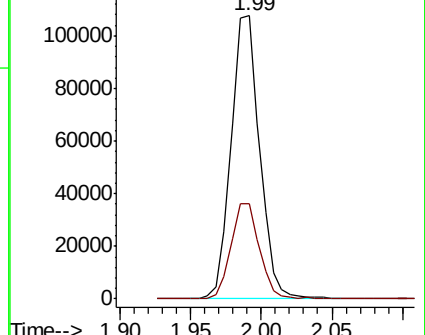
85 100

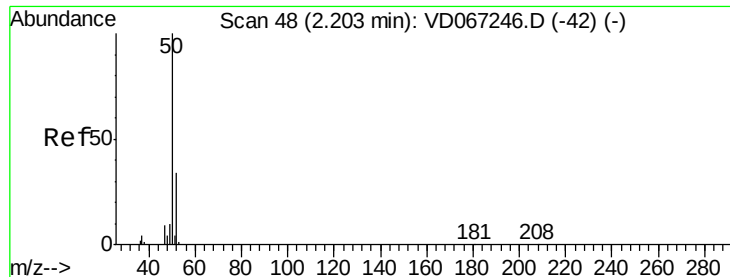
87 33.6 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 46.191 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD067249.D

Acq: 13 Oct 2020 13:38

Instrument :

MSVOA_D

ClientSampleId :

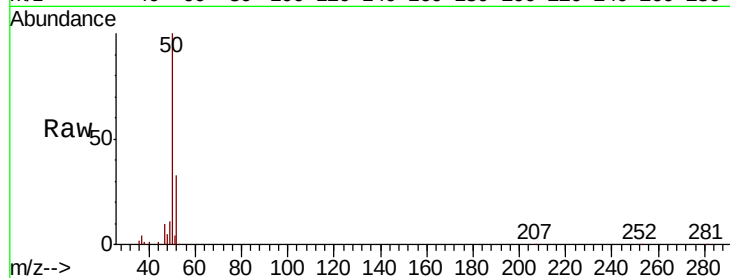
ICVVD101320

Tot Ion: 50 Resp: 108091

Ion Ratio Lower Upper

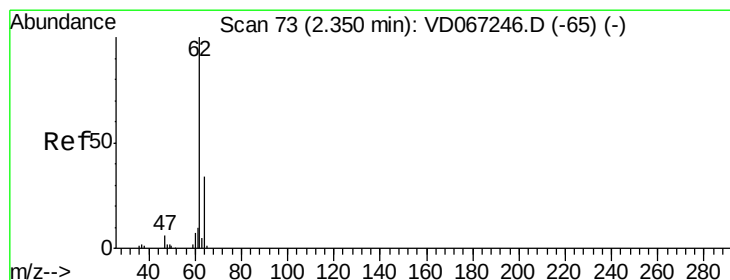
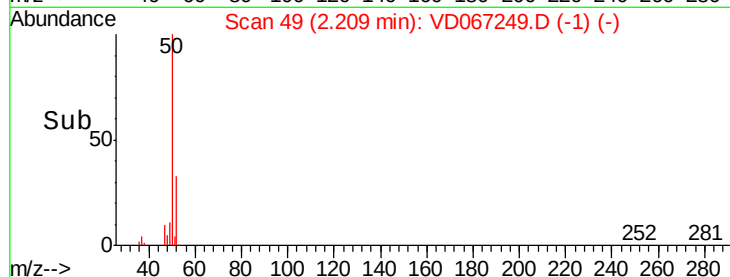
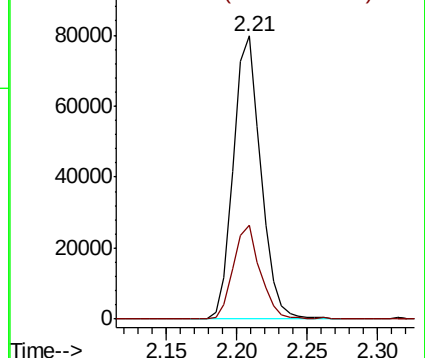
50 100

52 33.4 27.1 40.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 47.305 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067249.D

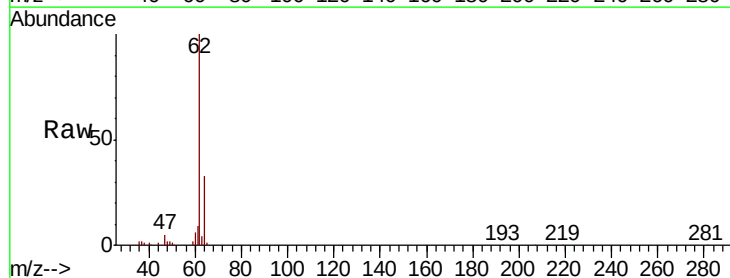
Acq: 13 Oct 2020 13:38

Tgt Ion: 62 Resp: 121459

Ion Ratio Lower Upper

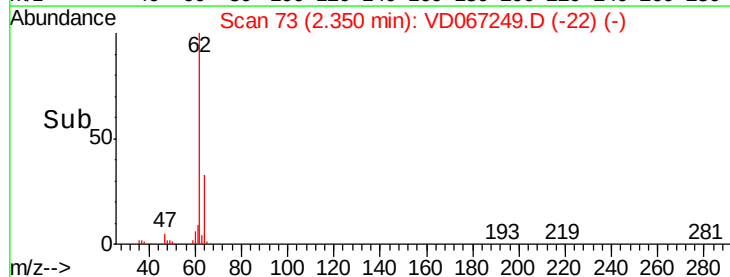
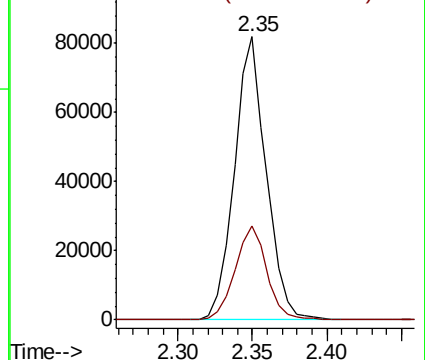
62 100

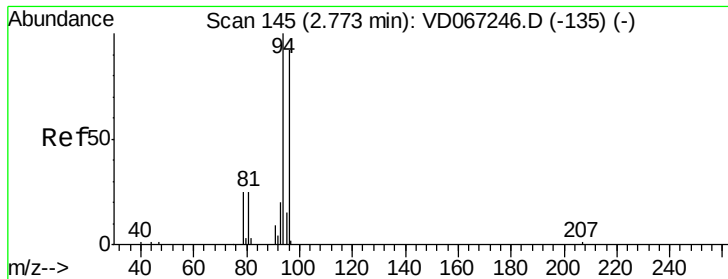
64 33.4 27.4 41.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 48.791 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067249.D

Acq: 13 Oct 2020 13:38

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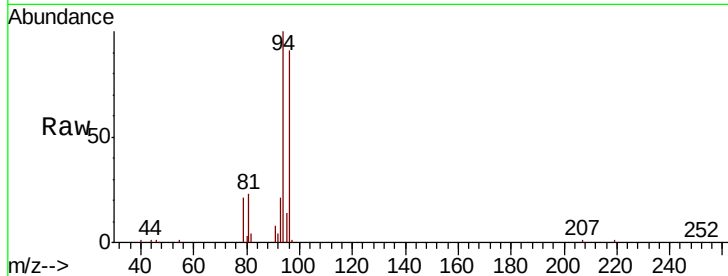
ICVVD101320

Tot Ion: 94 Resp: 87278

Ion Ratio Lower Upper

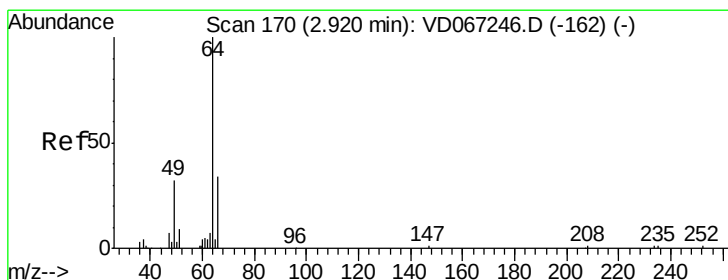
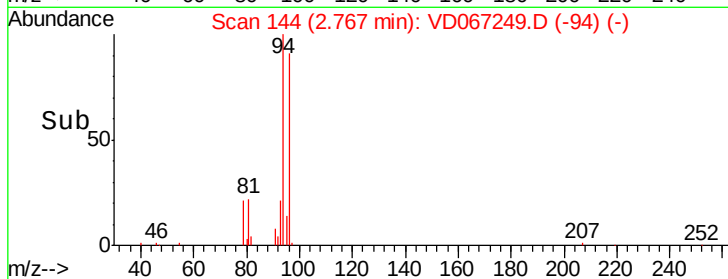
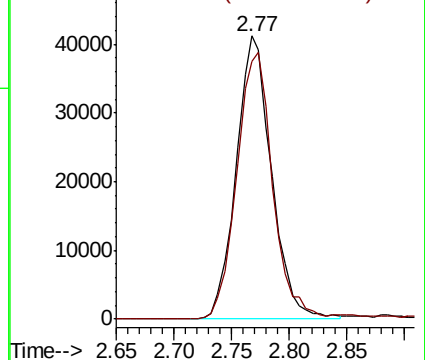
94 100

96 90.9 73.8 110.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 46.522 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD067249.D

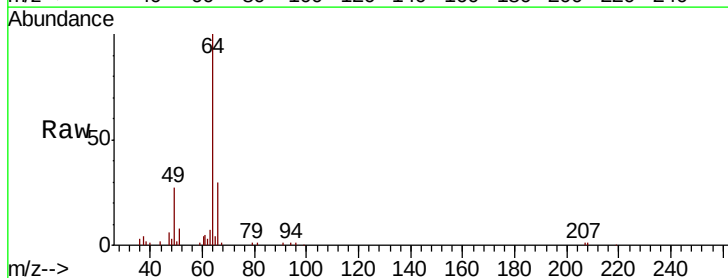
Acq: 13 Oct 2020 13:38

Tgt Ion: 64 Resp: 74390

Ion Ratio Lower Upper

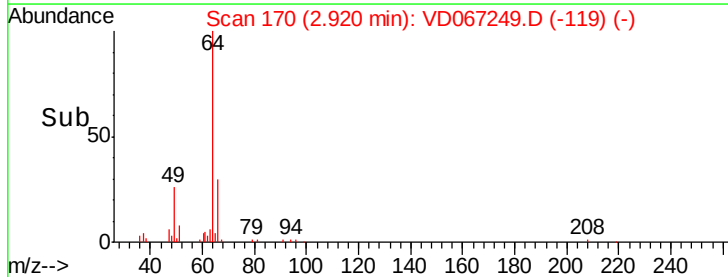
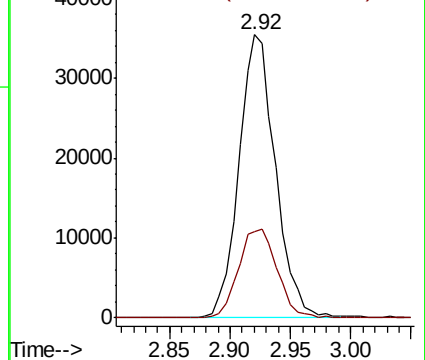
64 100

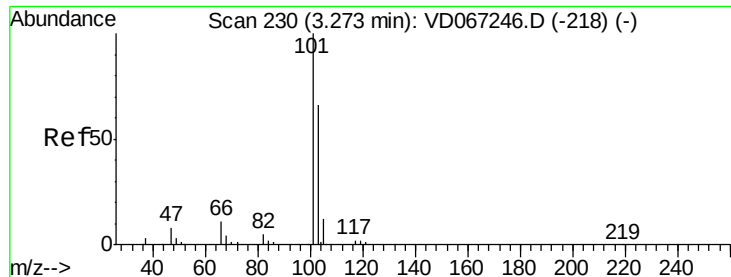
66 30.4 27.4 41.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



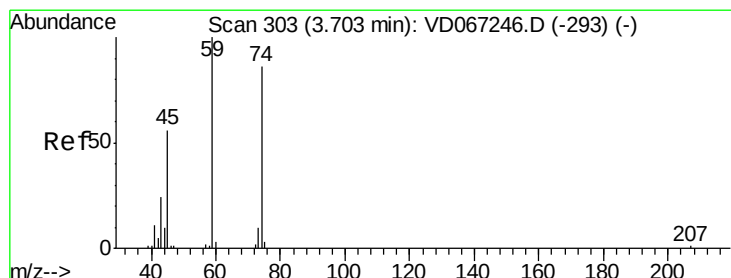
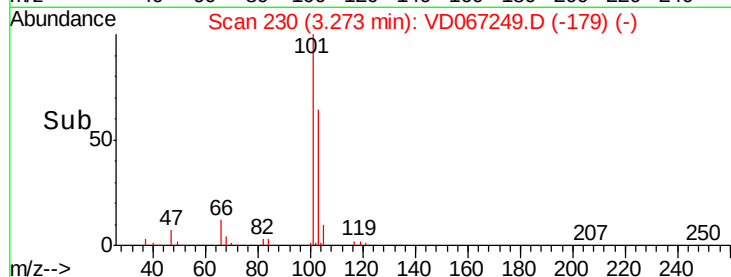
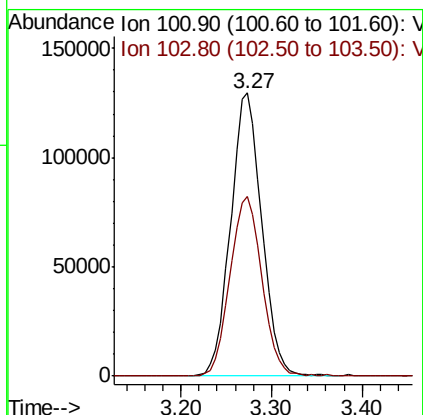
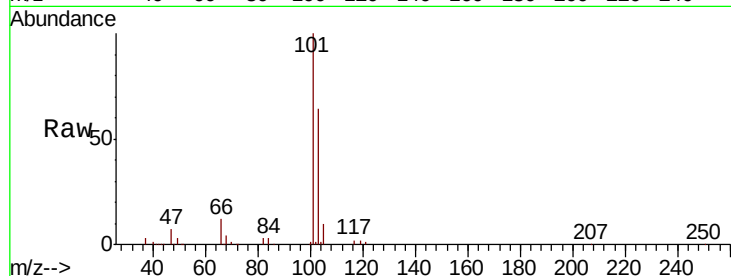


#7

Trichlorofluoromethane
 Concen: 47.944 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD067249.D
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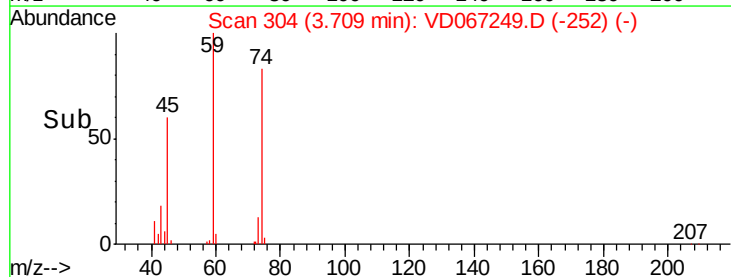
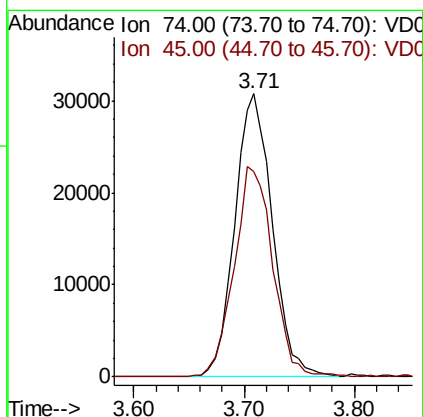
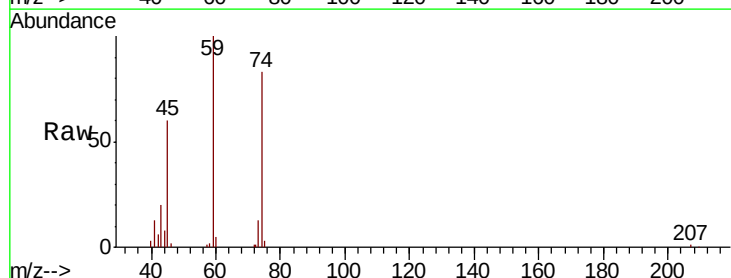
Tot Ion:101 Resp: 309976
 Ion Ratio Lower Upper
 101 100
 103 63.4 53.1 79.7

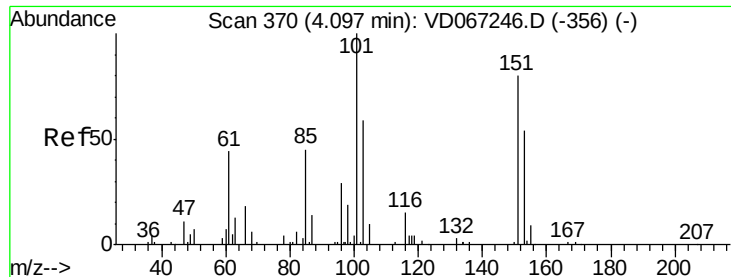


#8

Diethyl Ether
 Concen: 49.667 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.01 min
 Lab File: VD067249.D
 Acq: 13 Oct 2020 13:38

Tgt Ion: 74 Resp: 73480
 Ion Ratio Lower Upper
 74 100
 45 76.4 37.0 111.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.282 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067249.D

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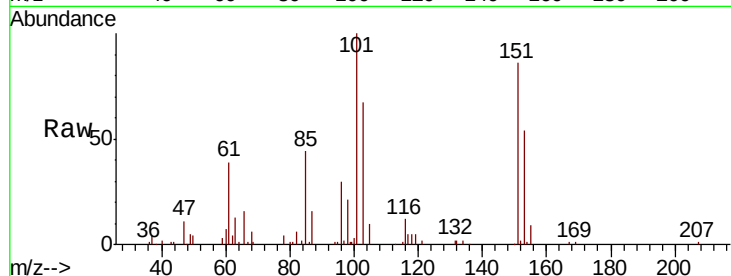
Tot Ion:101 Resp: 165849

Ion Ratio Lower Upper

101 100

85 42.3 34.2 51.4

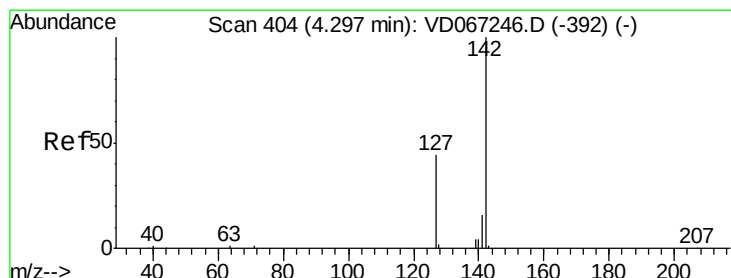
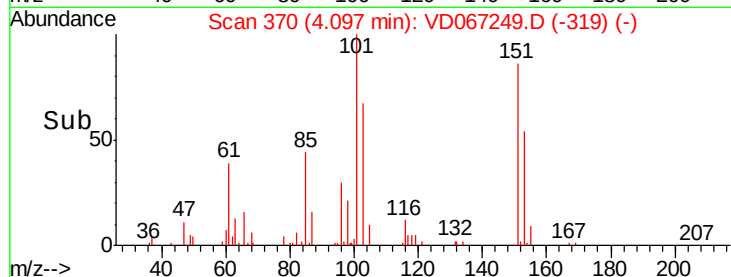
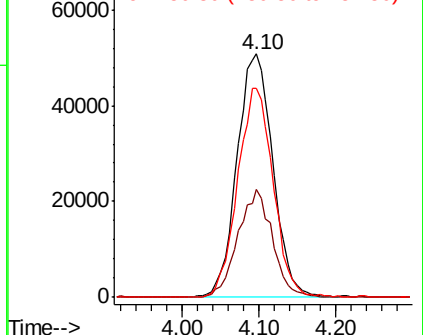
151 84.9 66.3 99.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 50.180 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD067249.D

Acq: 13 Oct 2020 13:38

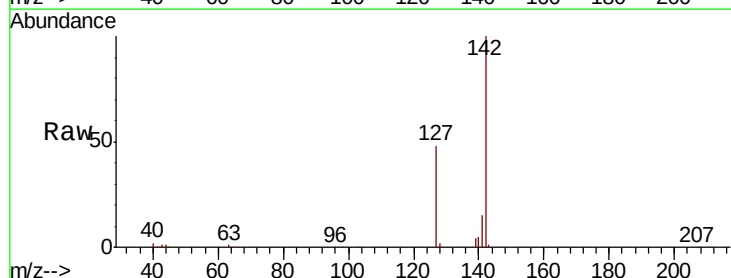
Tgt Ion:142 Resp: 159006

Ion Ratio Lower Upper

142 100

127 48.8 38.4 57.6

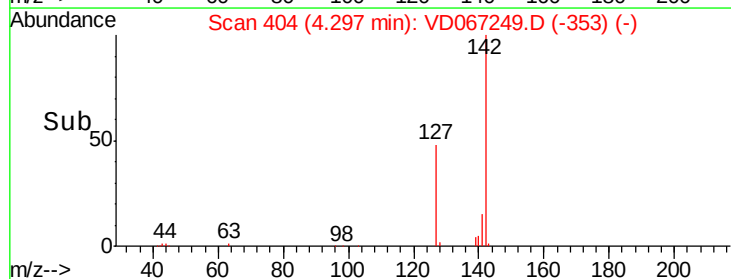
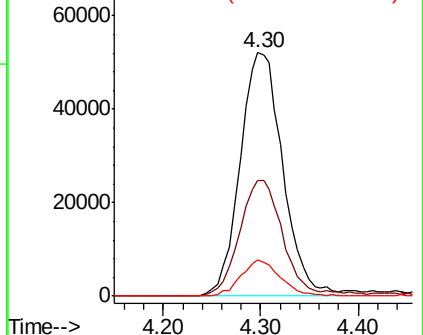
141 13.7 11.6 17.4

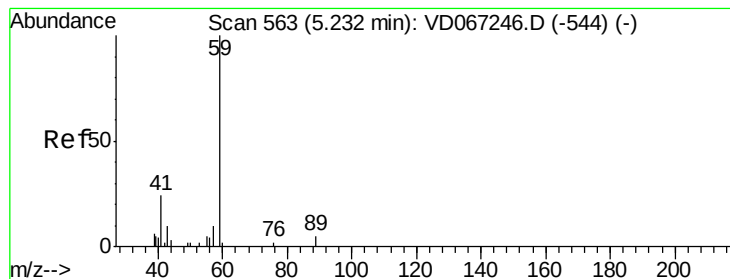


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



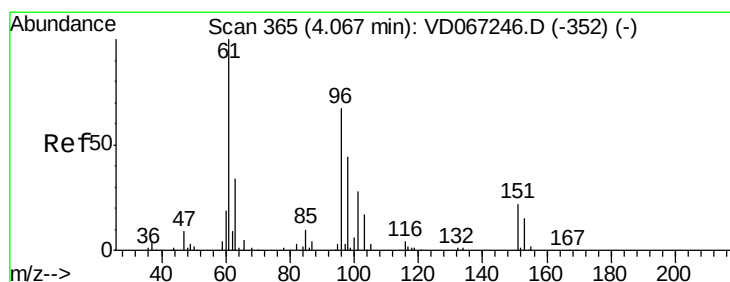
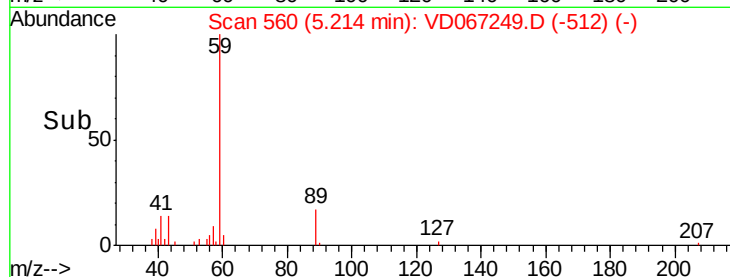
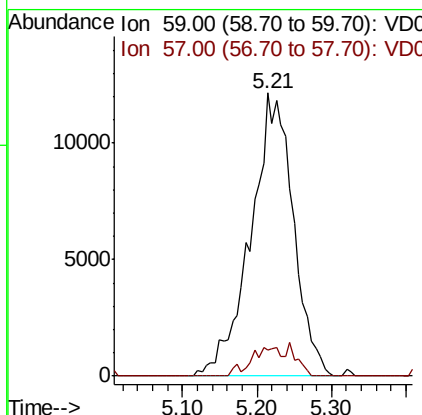
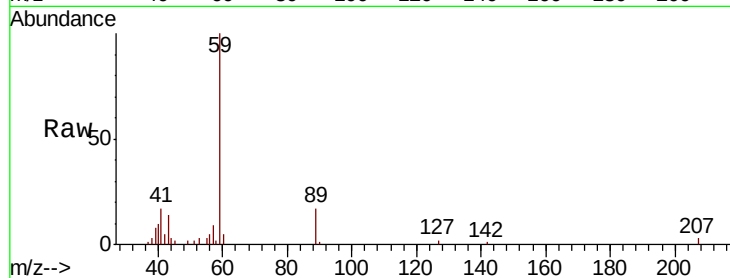


#11

Tert butyl alcohol
 Concen: 247.812 ug/l
 RT: 5.21 min Scan# 560
 Delta R.T. -0.02 min
 Lab File: VD067249.D
 Acq: 13 Oct 2020 13:38

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD101320

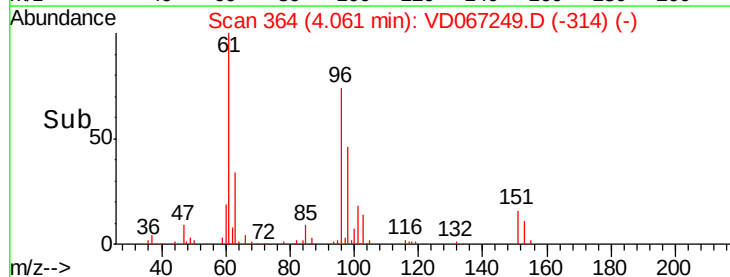
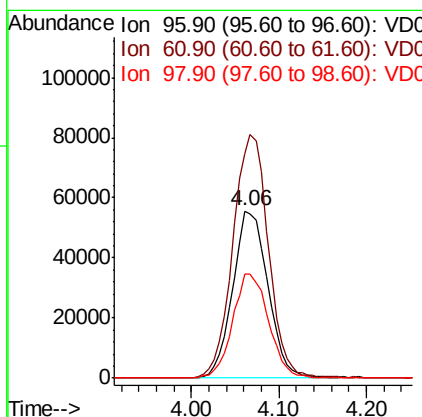
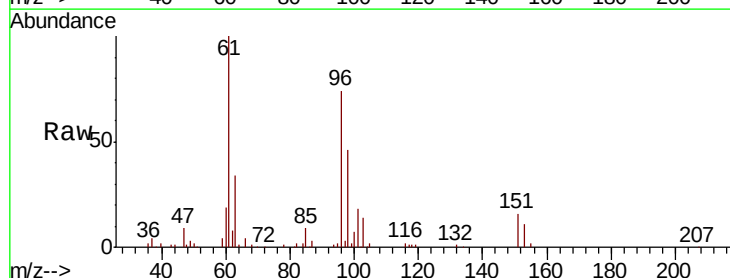
Tot Ion: 59 Resp: 48072
 Ion Ratio Lower Upper
 59 100
 57 5.0 5.1 7.7#

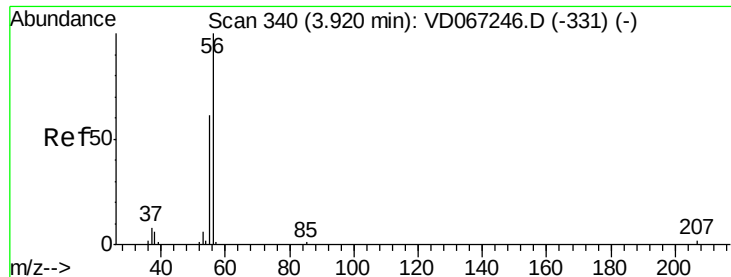


#12

1,1-Dichloroethene
 Concen: 49.533 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VD067249.D
 Acq: 13 Oct 2020 13:38

Tgt Ion: 96 Resp: 152006
 Ion Ratio Lower Upper
 96 100
 61 134.8 118.6 177.8
 98 62.6 51.8 77.6





#13

Acrolein

Concen: 252.952 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD067249.D

Acq: 13 Oct 2020 13:38

Instrument :

MSVOA_D

ClientSampleId :

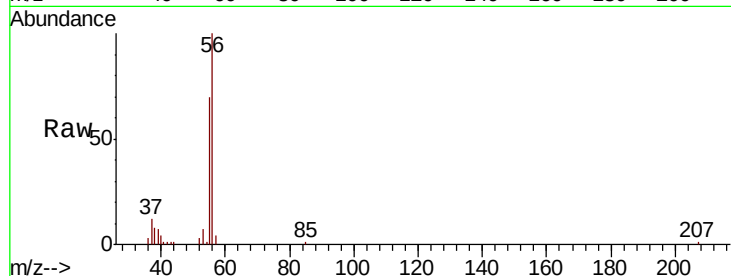
ICVVD101320

Tot Ion: 56 Resp: 56379

Ion Ratio Lower Upper

56 100

55 69.5 56.0 84.0



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.92

25000

20000

15000

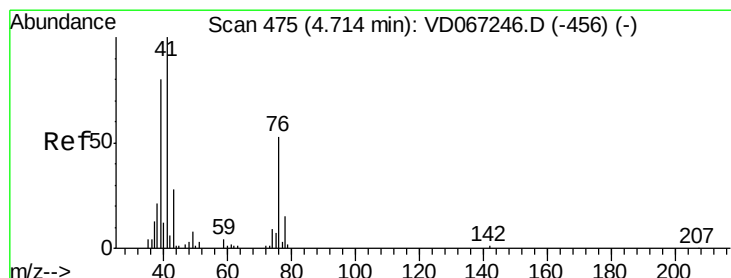
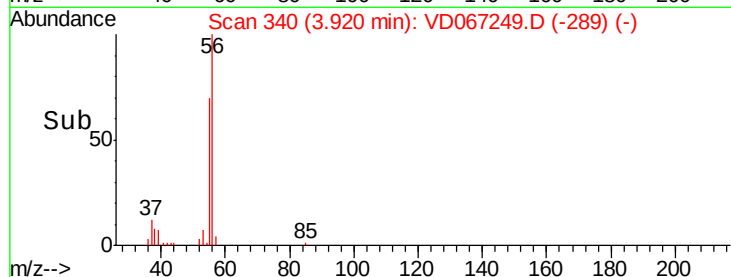
10000

5000

0

Time-->

3.80 3.90 4.00



#14

Allyl chloride

Concen: 50.641 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067249.D

Acq: 13 Oct 2020 13:38

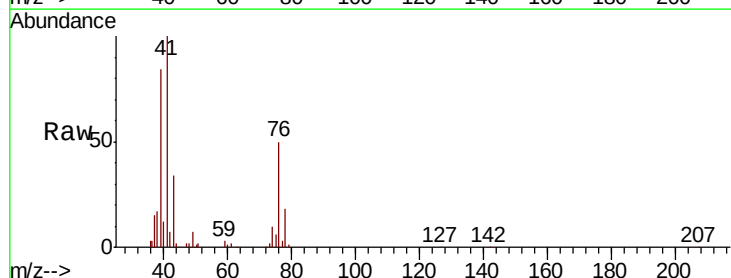
Tgt Ion: 41 Resp: 177966

Ion Ratio Lower Upper

41 100

39 77.3 63.8 95.6

76 49.1 40.4 60.6



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

60000

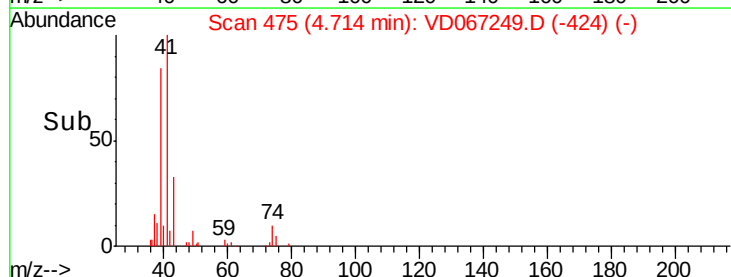
40000

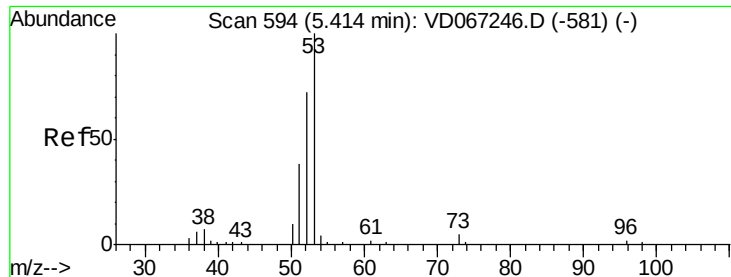
20000

0

Time-->

4.50 4.60 4.70 4.80 4.90





#15

Acrylonitrile

Concen: 255.585 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD067249.D

Acq: 13 Oct 2020 13:38

Instrument :

MSVOA_D

ClientSampleId :

ICVVD101320

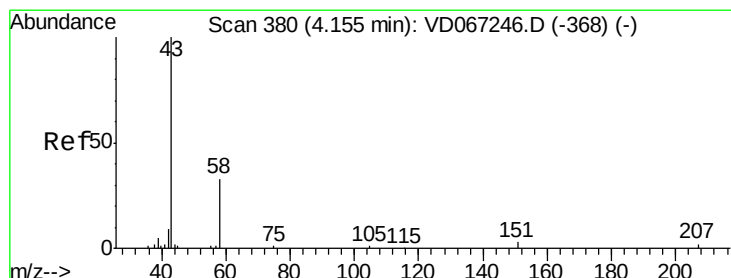
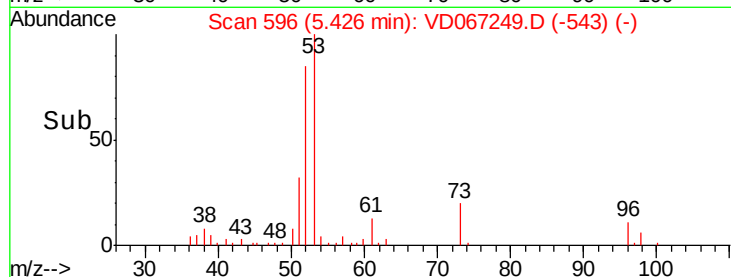
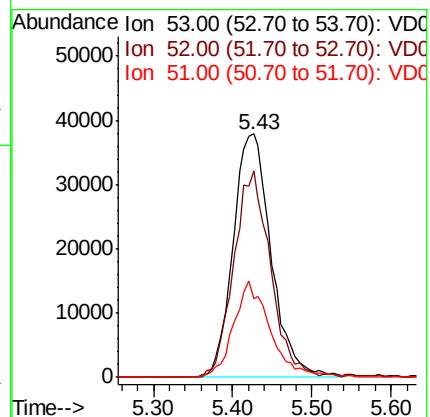
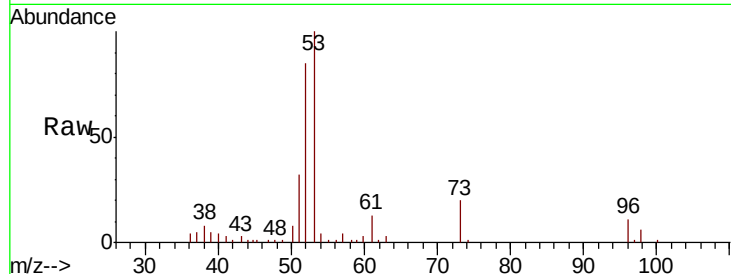
Tot Ion: 53 Resp: 126170

Ion Ratio Lower Upper

53 100

52 81.7 65.6 98.4

51 38.1 30.8 46.2



#16

Acetone

Concen: 258.108 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD067249.D

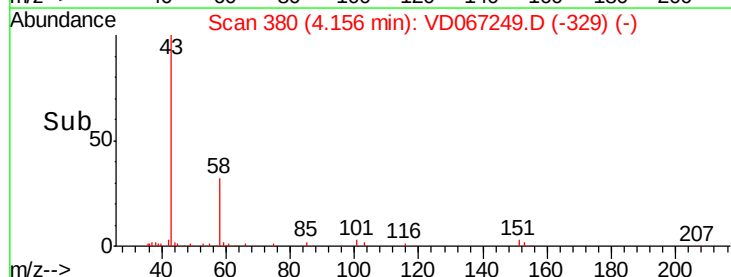
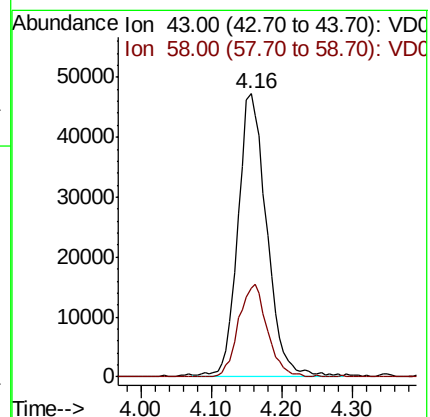
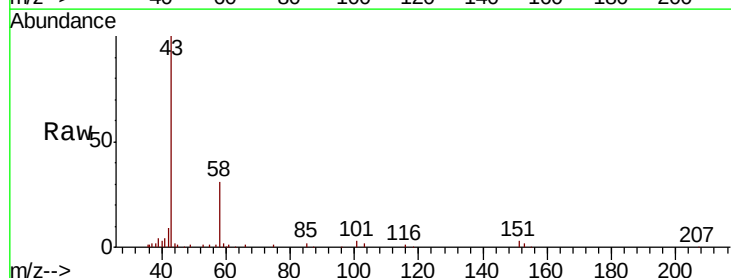
Acq: 13 Oct 2020 13:38

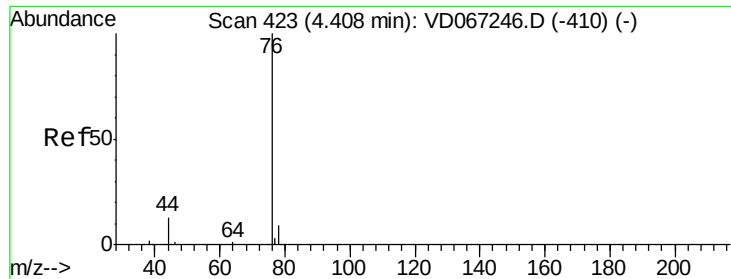
Tgt Ion: 43 Resp: 134657

Ion Ratio Lower Upper

43 100

58 31.3 26.1 39.1

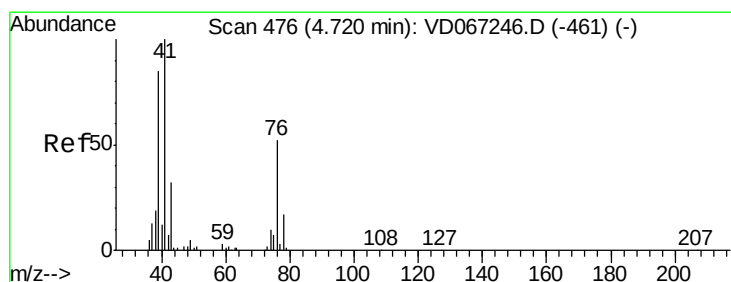
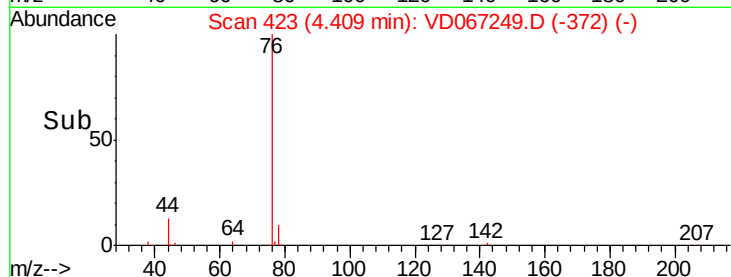
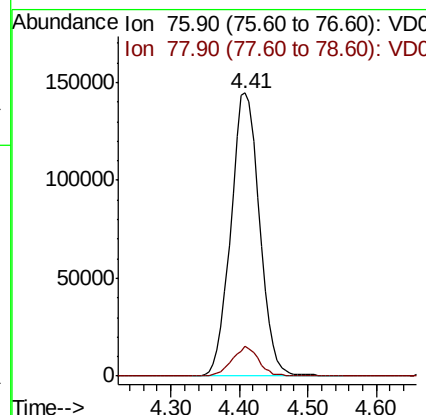
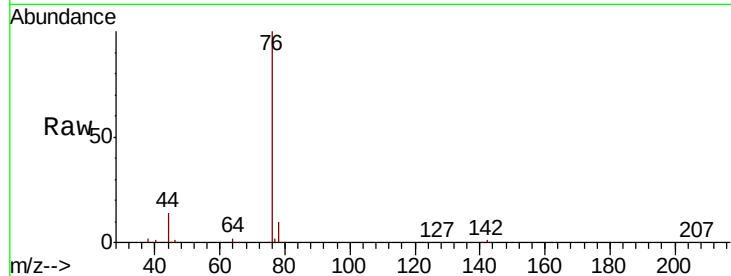




#17
Carbon Disulfide
Concen: 48.068 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD067249.D
Acq: 13 Oct 2020 13:38

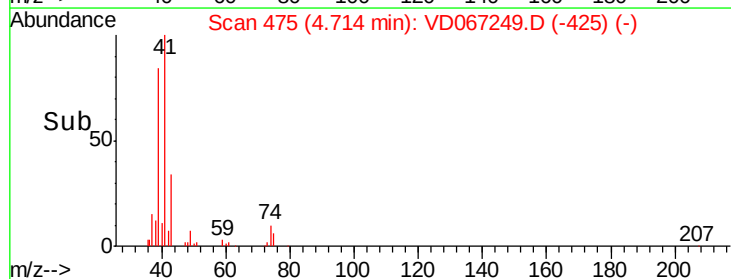
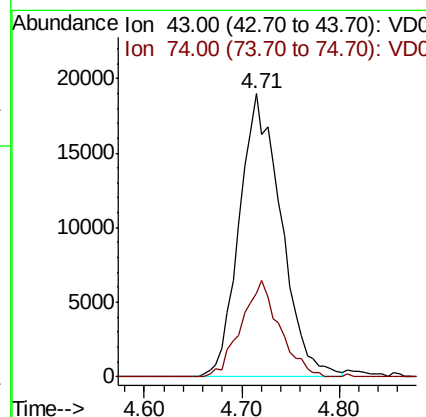
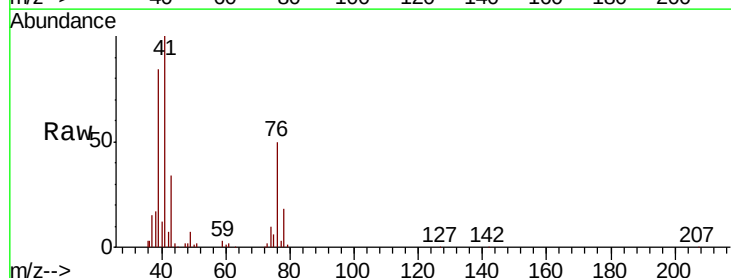
Instrument :
MSVOA_D
ClientSampleId :
ICVVD101320

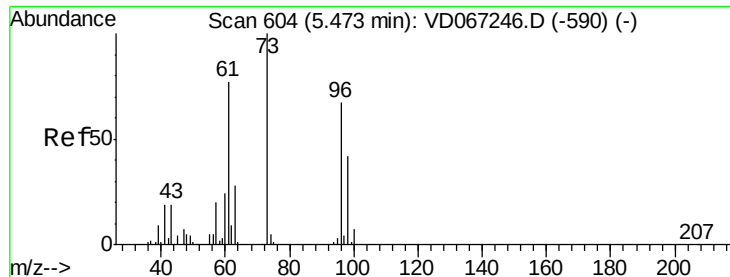
Tot Ion: 76 Resp: 420518
Ion Ratio Lower Upper
76 100
78 10.4 7.4 11.0



#18
Methyl Acetate
Concen: 47.703 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD067249.D
Acq: 13 Oct 2020 13:38

Tgt Ion: 43 Resp: 56764
Ion Ratio Lower Upper
43 100
74 31.4 26.6 39.8



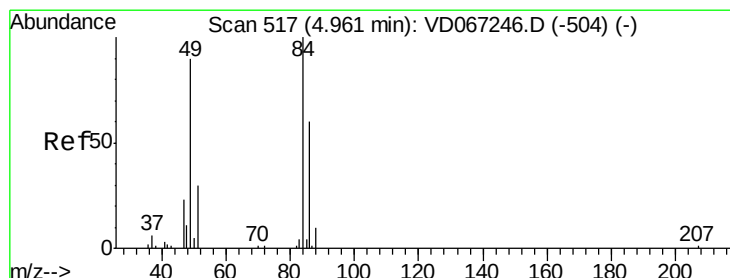
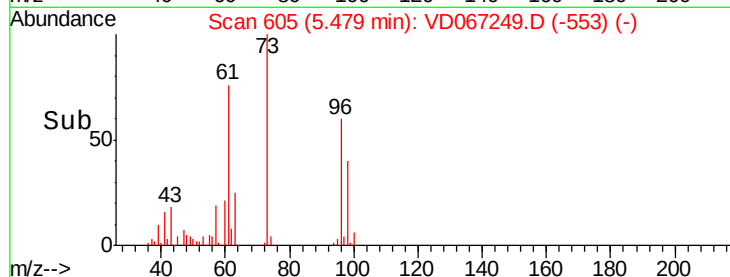
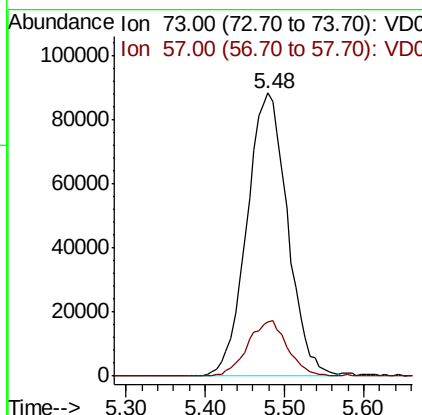
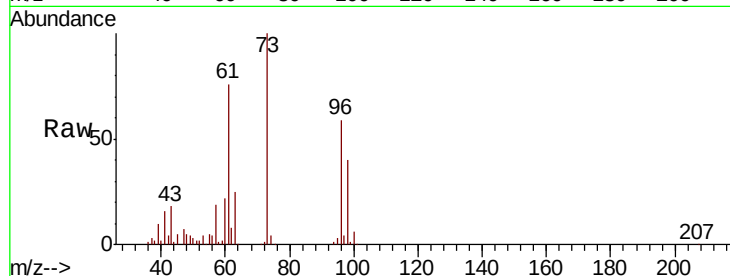


#19

Methyl tert-butyl Ether
 Concen: 51.521 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. 0.01 min
 Lab File: VD067249.D
 Acq: 13 Oct 2020 13:38

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD101320

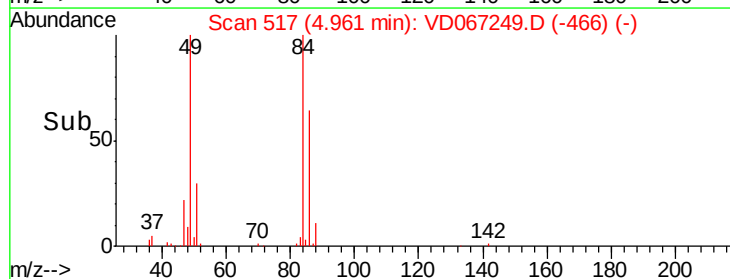
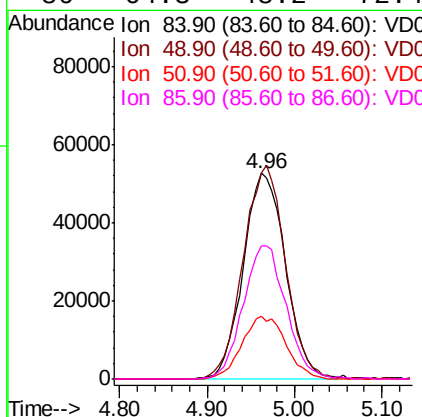
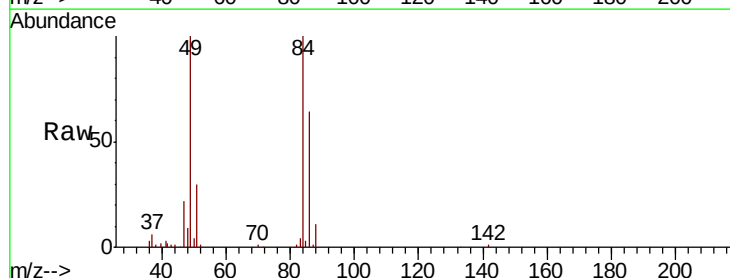
Tot Ion: 73 Resp: 314378
 Ion Ratio Lower Upper
 73 100
 57 19.3 15.7 23.5

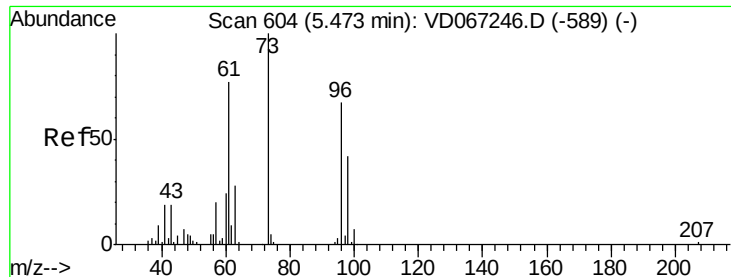


#20

Methylene Chloride
 Concen: 52.110 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD067249.D
 Acq: 13 Oct 2020 13:38

Tgt Ion: 84 Resp: 173509
 Ion Ratio Lower Upper
 84 100
 49 100.3 72.2 108.2
 51 30.4 23.8 35.8
 86 64.3 48.2 72.4





#21

trans-1,2-Dichloroethene

Concen: 49.047 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD067249.D

Acq: 13 Oct 2020 13:38

Instrument :

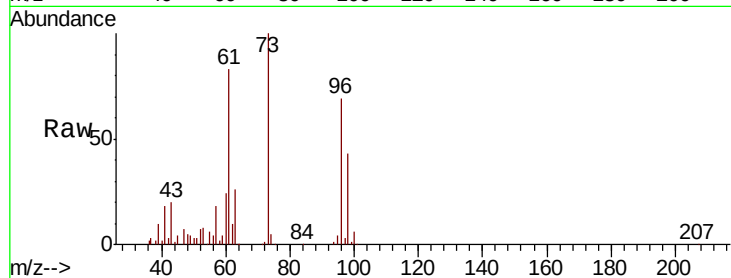
MSVOA_D

ClientSampleId :

ICVVD101320

Tot Ion: 96 Resp: 173209

Ion	Ratio	Lower	Upper
96	100		
61	119.2	92.0	138.0
98	62.2	49.8	74.8

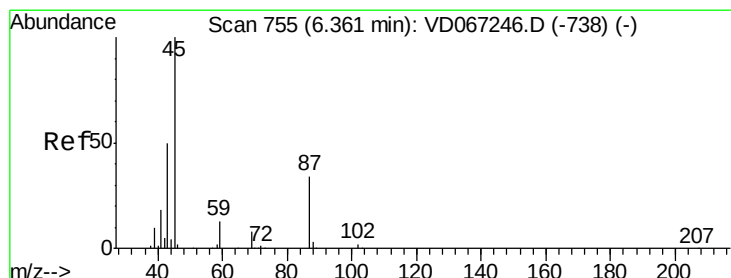
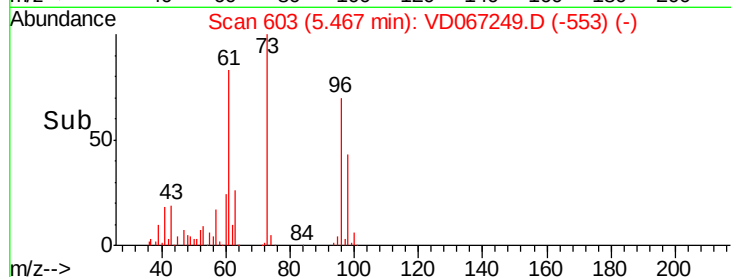
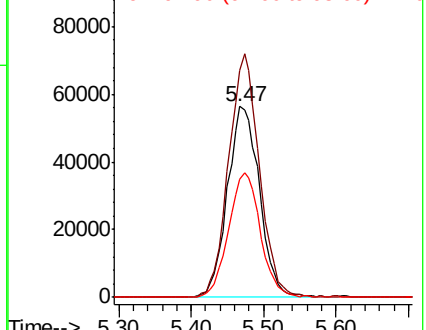


Abundance

Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 51.499 ug/l

RT: 6.36 min Scan# 755

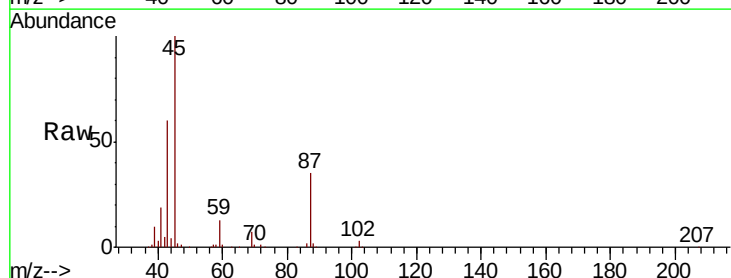
Delta R.T. 0.00 min

Lab File: VD067249.D

Acq: 13 Oct 2020 13:38

Tgt Ion: 45 Resp: 330614

Ion	Ratio	Lower	Upper
45	100		
43	59.3	48.0	72.0
87	35.3	28.5	42.7
59	13.0	10.5	15.7



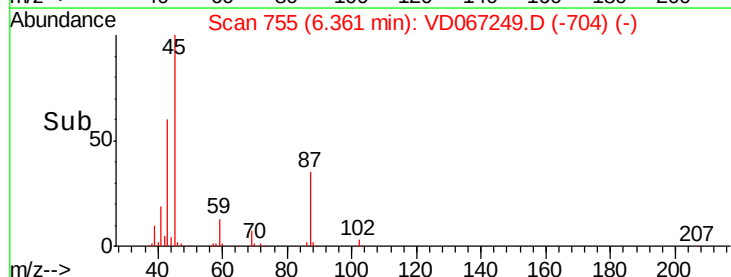
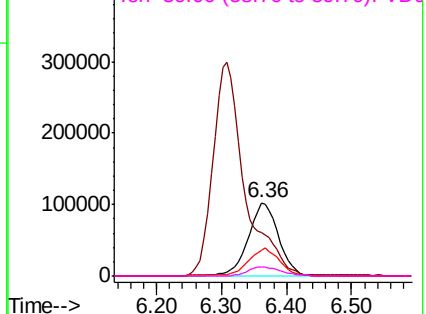
Abundance

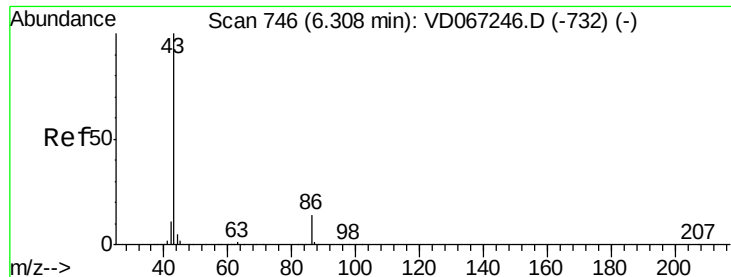
Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 276.601 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD067249.D

Acq: 13 Oct 2020 13:38

Instrument :

MSVOA_D

ClientSampleId :

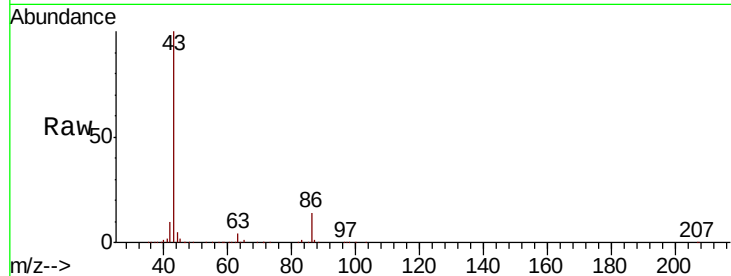
ICVVD101320

Tot Ion: 43 Resp: 1010245

Ion Ratio Lower Upper

43 100

86 13.8 11.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

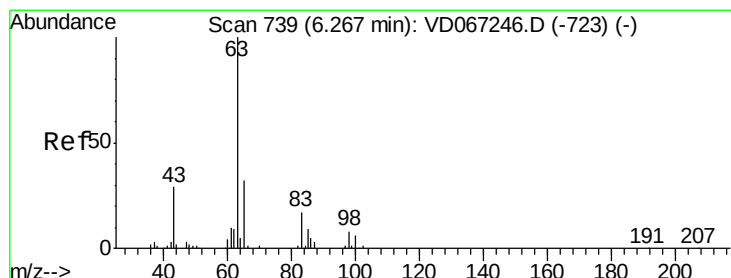
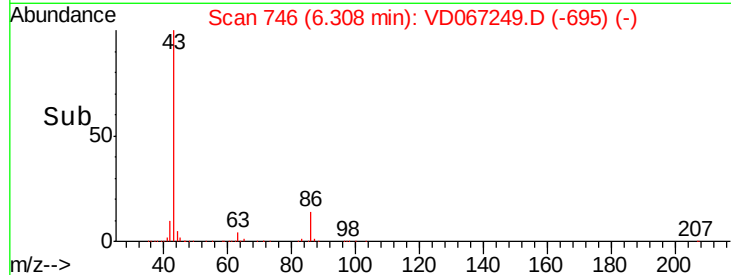
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 48.990 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD067249.D

Acq: 13 Oct 2020 13:38

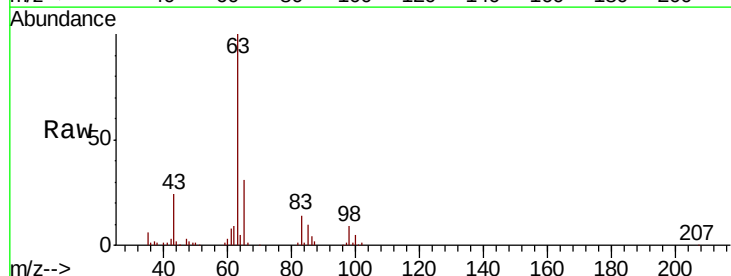
Tgt Ion: 63 Resp: 269221

Ion Ratio Lower Upper

63 100

98 8.6 4.0 12.2

100 5.4 2.8 8.4



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

120000

100000

80000

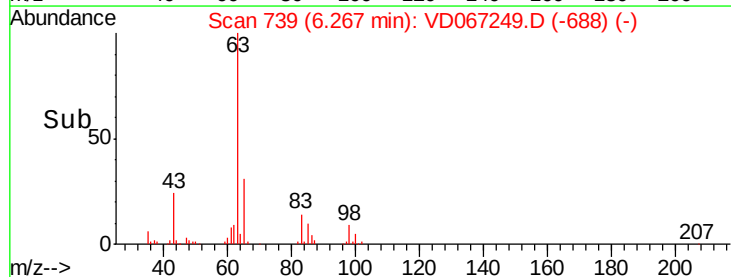
60000

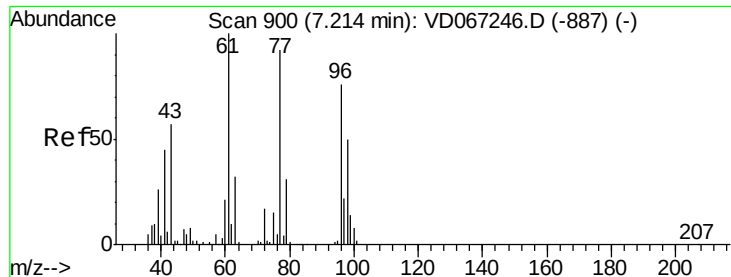
40000

20000

0

Time-->





#25

2-Butanone

Concen: 263.794 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067249.D

Acq: 13 Oct 2020 13:38

Instrument :

MSVOA_D

ClientSampleId :

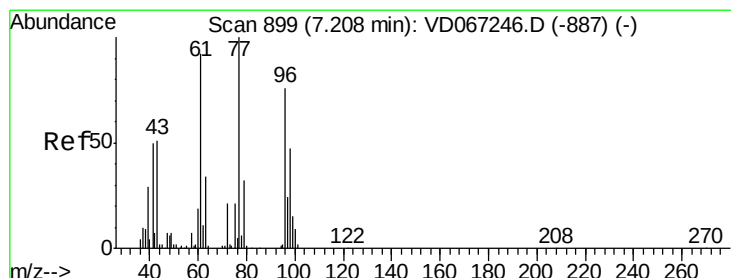
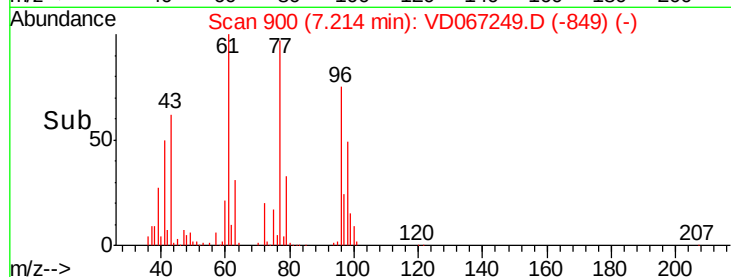
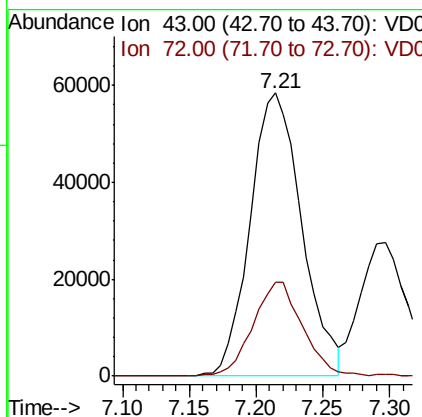
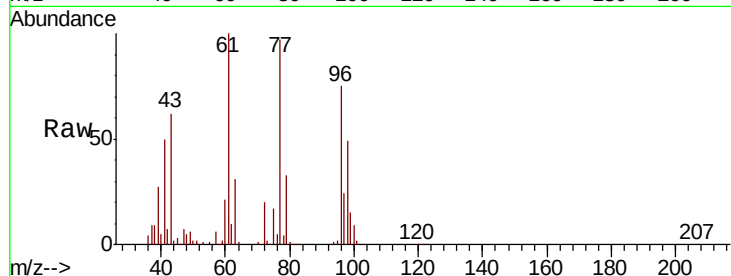
ICVVD101320

Tot Ion: 43 Resp: 156877

Ion Ratio Lower Upper

43 100

72 33.1 23.7 35.5



#26

2,2-Dichloropropane

Concen: 48.717 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD067249.D

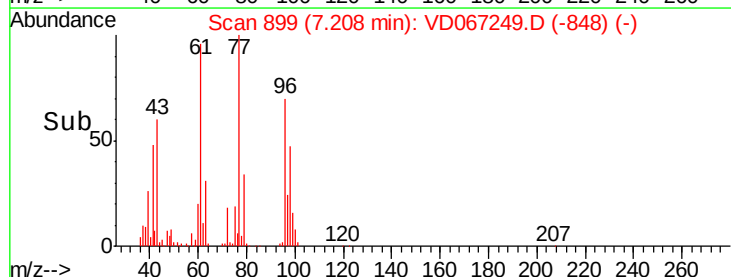
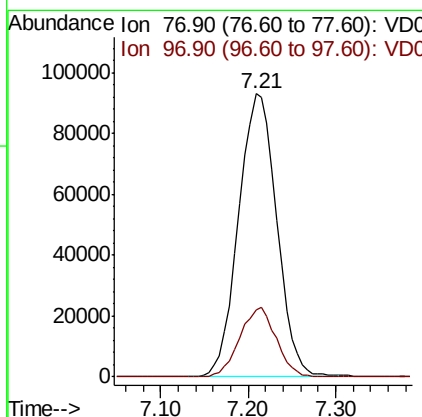
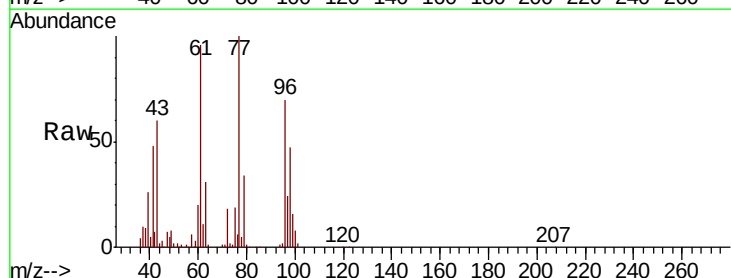
Acq: 13 Oct 2020 13:38

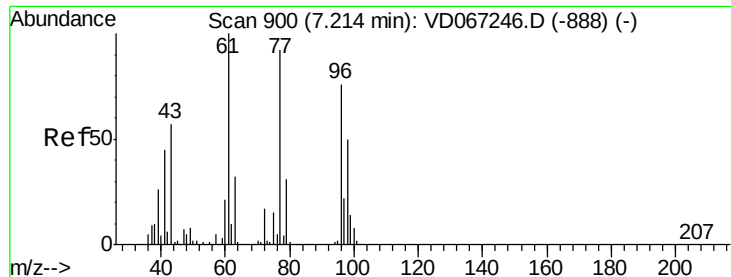
Tgt Ion: 77 Resp: 275949

Ion Ratio Lower Upper

77 100

97 23.5 11.4 34.2



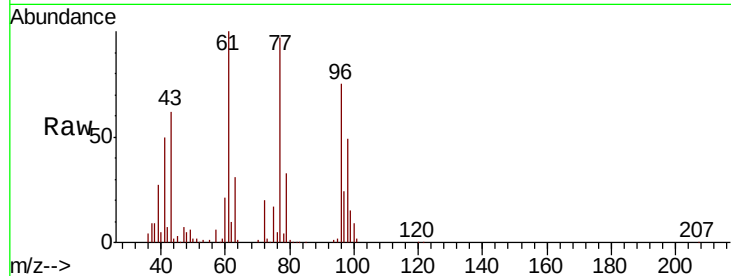


#27

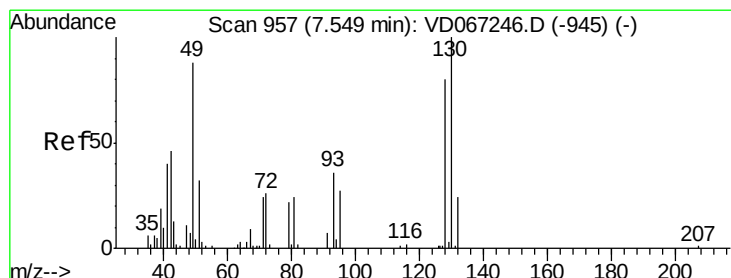
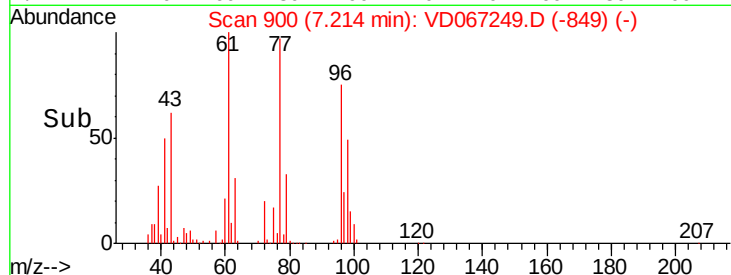
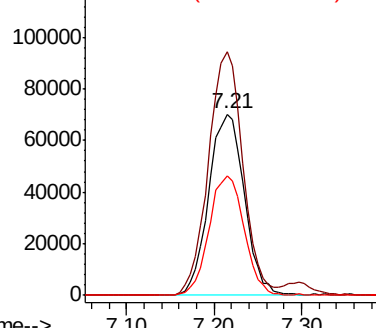
cis-1,2-Dichloroethene
 Concen: 50.255 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD067249.D
 Acq: 13 Oct 2020 13:38

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD101320

Tot Ion: 96 Resp: 194508
 Ion Ratio Lower Upper
 96 100
 61 129.7 0.0 255.4
 98 64.5 0.0 128.0



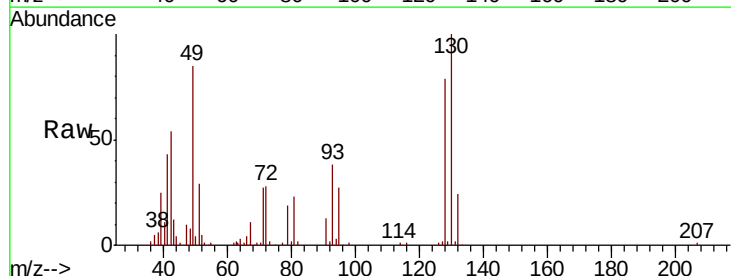
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



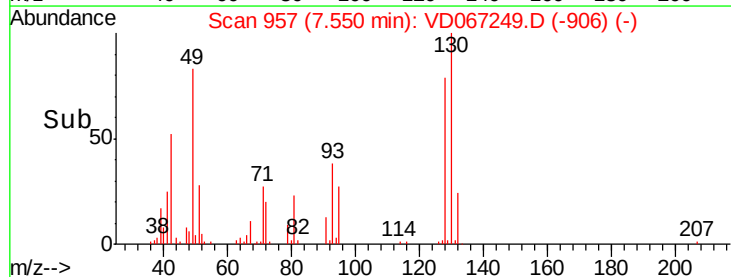
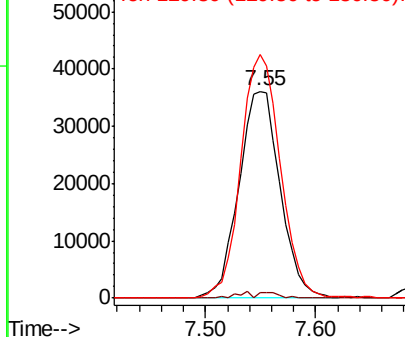
#28

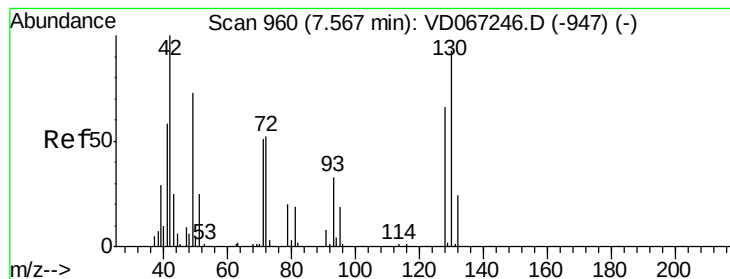
Bromochloromethane
 Concen: 50.723 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD067249.D
 Acq: 13 Oct 2020 13:38

Tgt Ion: 49 Resp: 95077
 Ion Ratio Lower Upper
 49 100
 129 1.4 0.0 1.6
 130 112.9 91.0 136.6



Abundance Ion 48.90 (48.60 to 49.60): VDC
 Ion 128.80 (128.50 to 129.50): VDC
 Ion 129.80 (129.50 to 130.50): VDC





#29

Tetrahydrofuran

Concen: 255.261 ug/l

RT: 7.57 min Scan# 960

Delta R.T. 0.00 min

Lab File: VD067249.D

Acq: 13 Oct 2020 13:38

Instrument :

MSVOA_D

ClientSampleId :

ICVVD101320

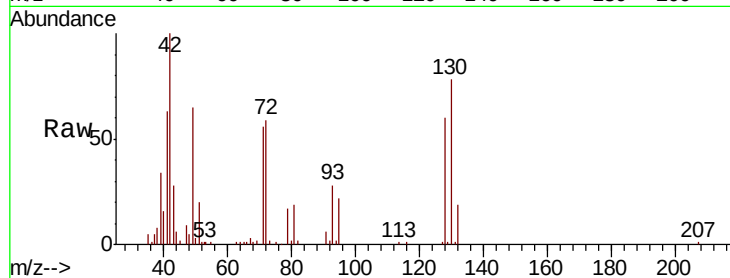
Tot Ion: 42 Resp: 84384

Ion Ratio Lower Upper

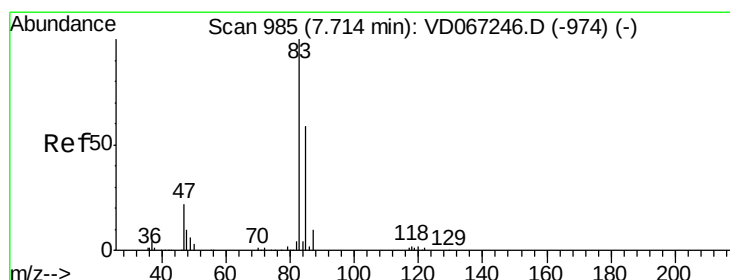
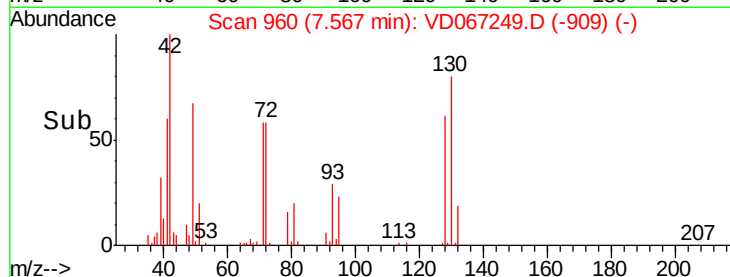
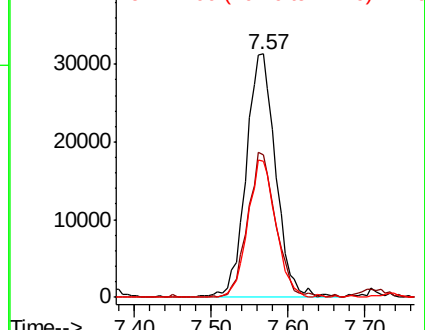
42 100

72 56.4 43.2 64.8

71 53.4 39.4 59.0



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 48.051 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD067249.D

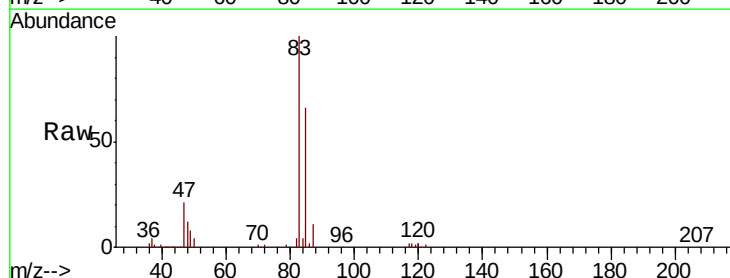
Acq: 13 Oct 2020 13:38

Tgt Ion: 83 Resp: 315446

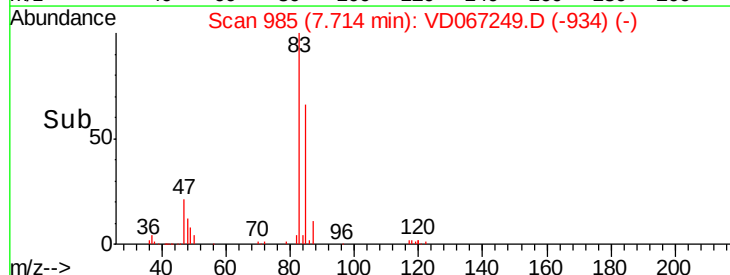
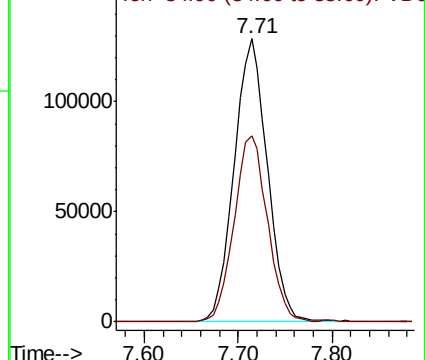
Ion Ratio Lower Upper

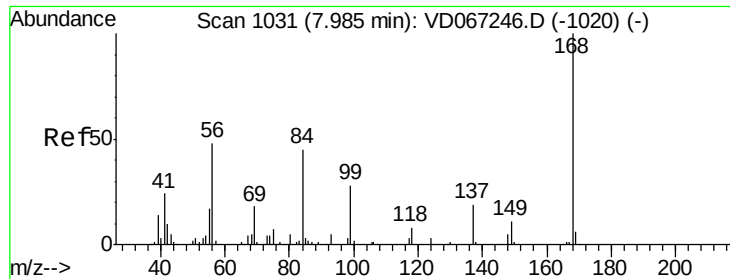
83 100

85 65.6 47.3 70.9



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC

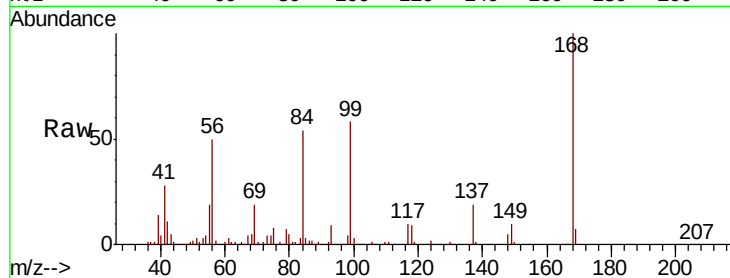




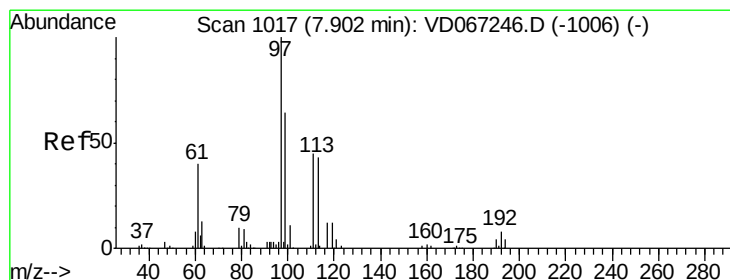
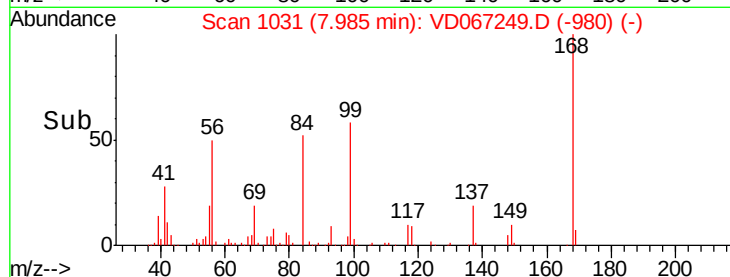
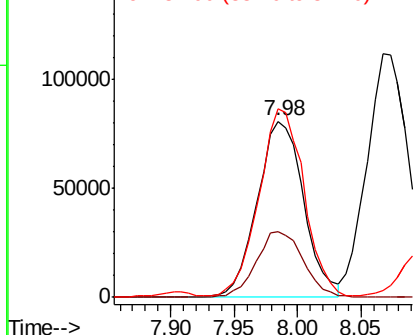
#31
Cyclohexane
Concen: 48.164 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067249.D
Acq: 13 Oct 2020 13:38

Instrument :
MSVOA_D
ClientSampleId :
ICVVD101320

Tot Ion: 56 Resp: 206653
Ion Ratio Lower Upper
56 100
69 37.1 29.8 44.6
84 104.6 76.6 114.8

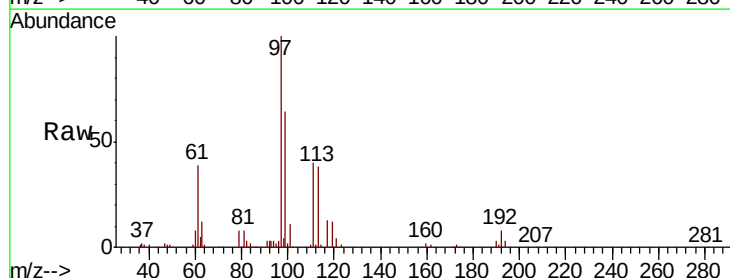


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

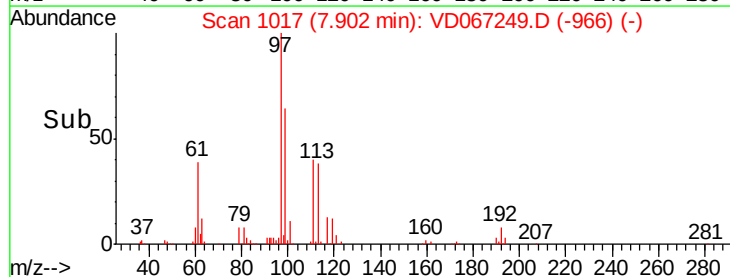
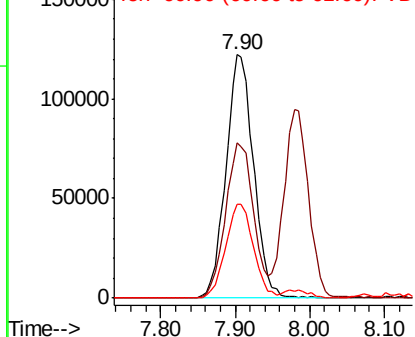


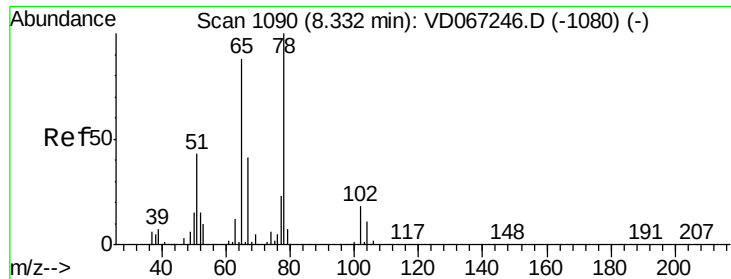
#32
1,1,1-Trichloroethane
Concen: 48.735 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD067249.D
Acq: 13 Oct 2020 13:38

Tgt Ion: 97 Resp: 313908
Ion Ratio Lower Upper
97 100
99 64.4 50.2 75.4
61 38.9 30.5 45.7



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC

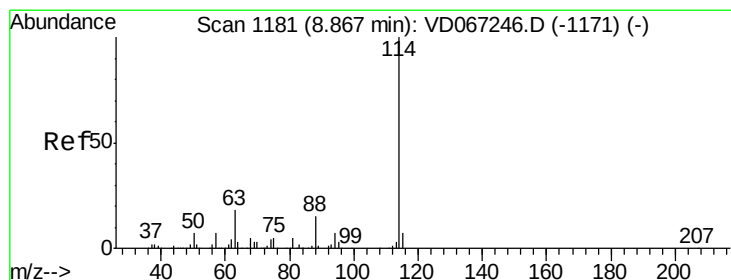
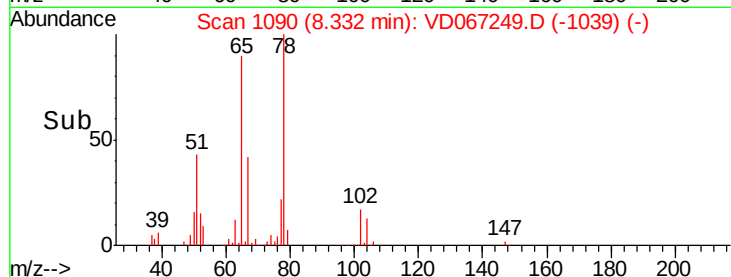
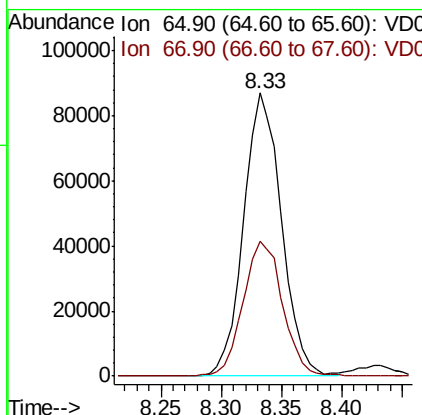
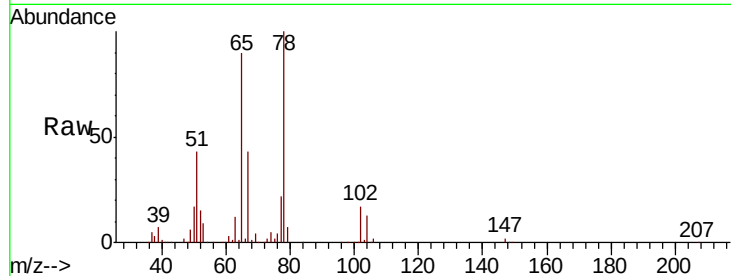




#33
 1,2-Dichloroethane-d4
 Concen: 51.210 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD067249.D
 Acq: 13 Oct 2020 13:38

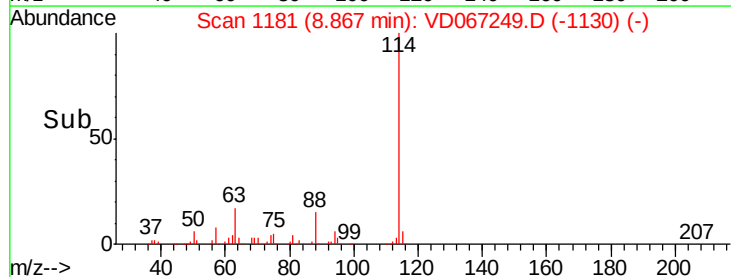
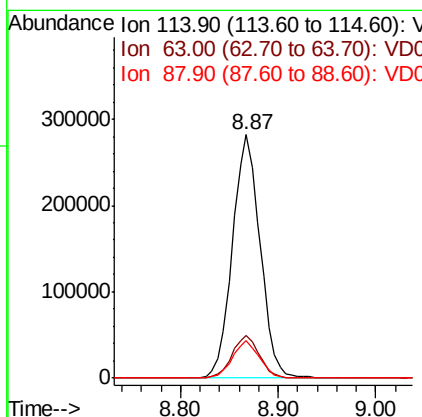
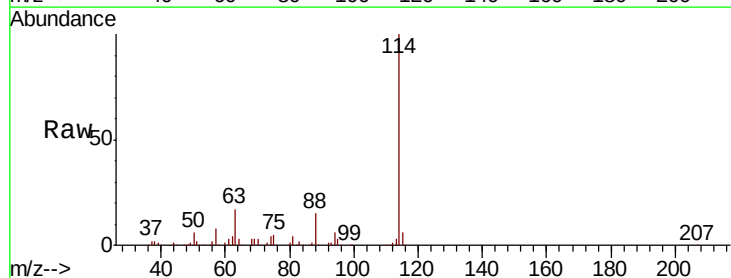
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD101320

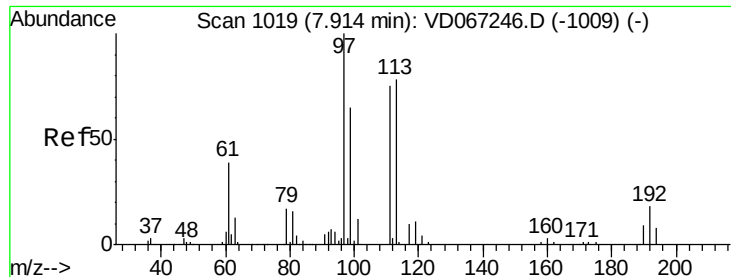
Tot Ion: 65 Resp: 190767
 Ion Ratio Lower Upper
 65 100
 67 49.7 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067249.D
 Acq: 13 Oct 2020 13:38

Tgt Ion: 114 Resp: 556733
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 35.0
 88 15.4 0.0 30.6

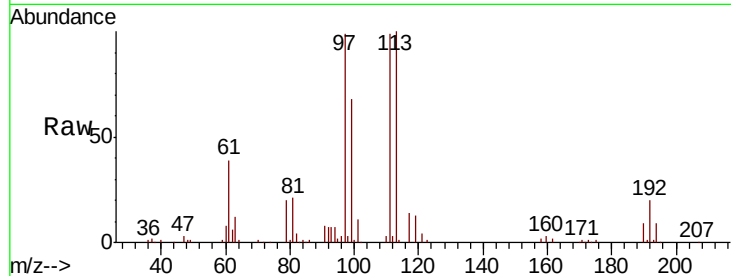




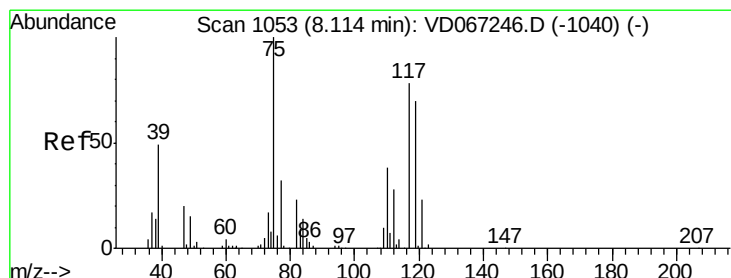
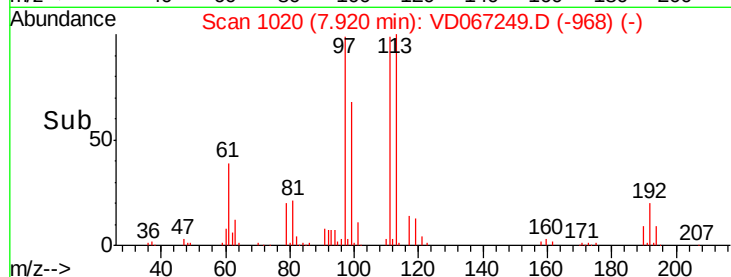
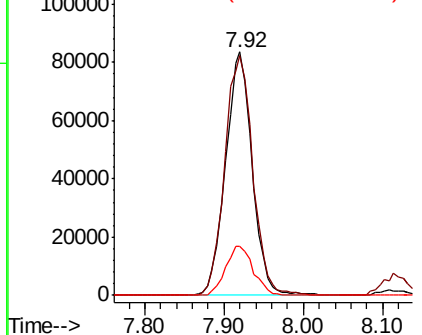
#35
Dibromofluoromethane
Concen: 52.461 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD067249.D
Acq: 13 Oct 2020 13:38

Instrument :
MSVOA_D
ClientSampleId :
ICVVD101320

Tot Ion:113 Resp: 194371
Ion Ratio Lower Upper
113 100
111 103.2 81.6 122.4
192 20.8 17.0 25.4

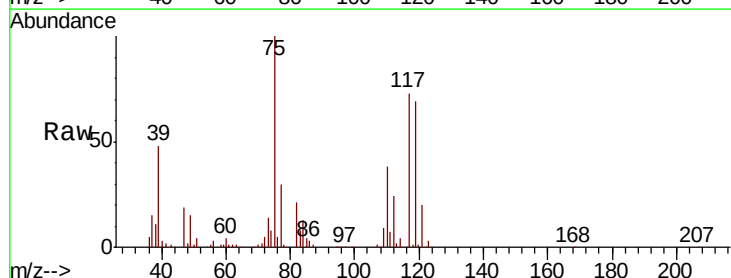


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

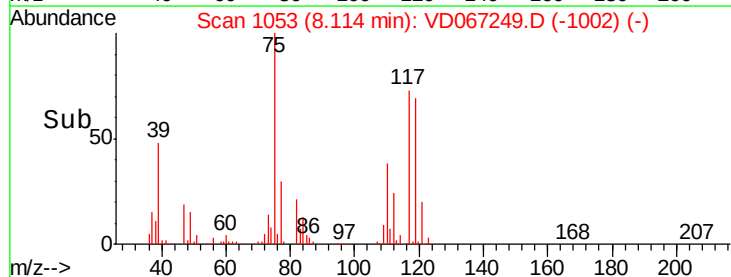
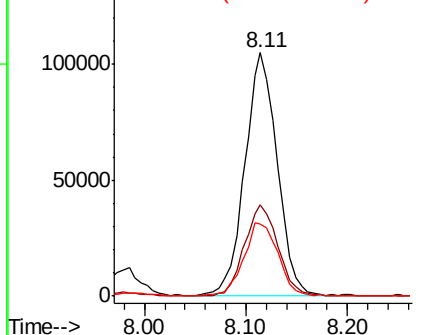


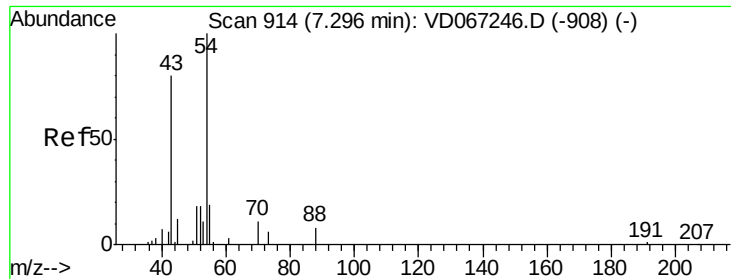
#36
1,1-Dichloropropene
Concen: 49.307 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD067249.D
Acq: 13 Oct 2020 13:38

Tgt Ion: 75 Resp: 232665
Ion Ratio Lower Upper
75 100
110 39.0 19.6 58.7
77 31.8 24.6 37.0



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

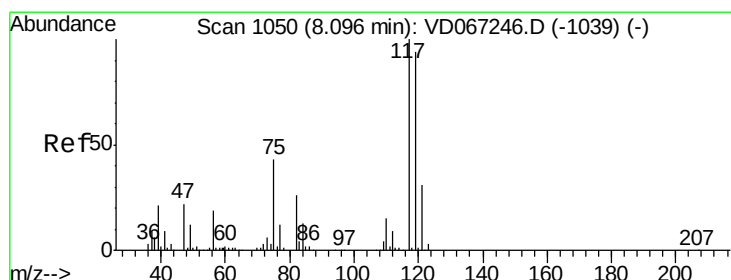
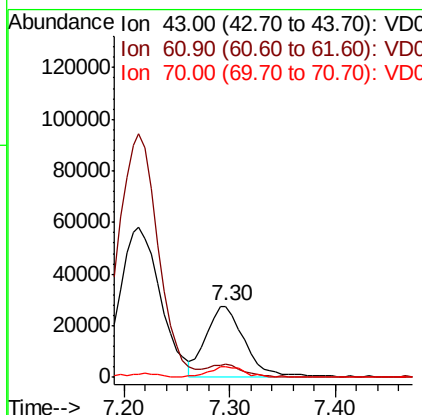
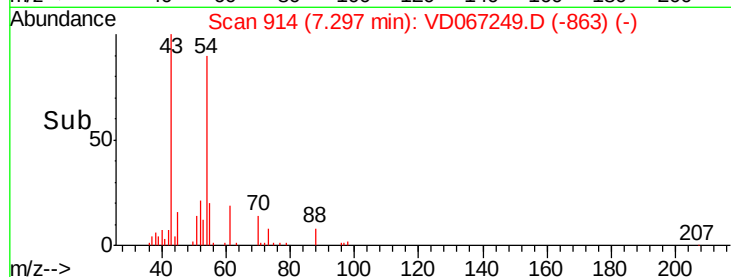
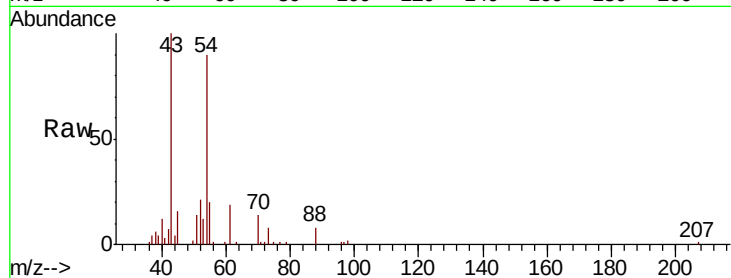




#37
Ethyl Acetate
Concen: 49.949 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD067249.D
Acq: 13 Oct 2020 13:38

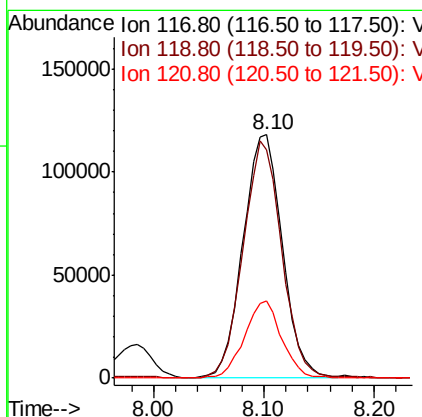
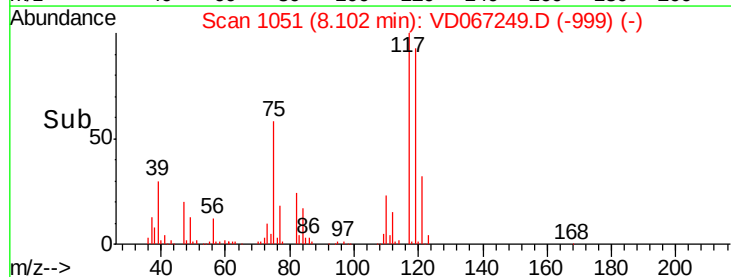
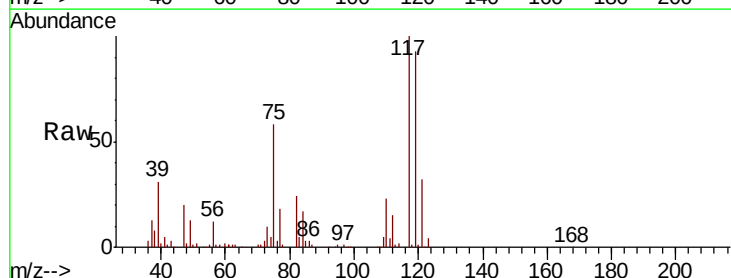
Instrument :
MSVOA_D
ClientSampleId :
ICVVD101320

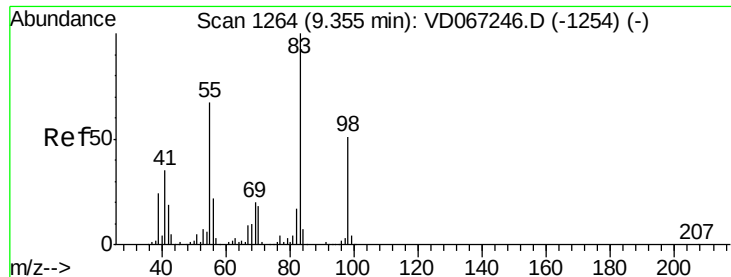
Tot Ion: 43 Resp: 69345
Ion Ratio Lower Upper
43 100
61 17.5 15.6 23.4
70 14.0 10.4 15.6



#38
Carbon Tetrachloride
Concen: 48.711 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD067249.D
Acq: 13 Oct 2020 13:38

Tgt Ion: 117 Resp: 293774
Ion Ratio Lower Upper
117 100
119 93.7 75.0 112.4
121 31.8 24.9 37.3

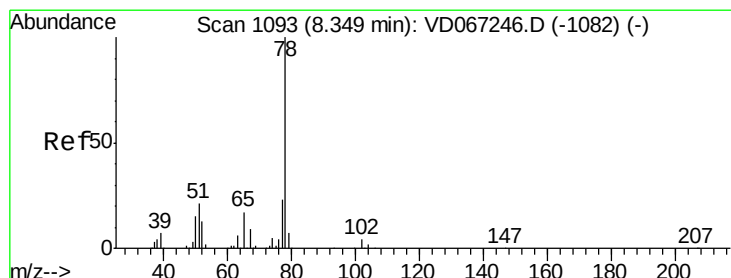
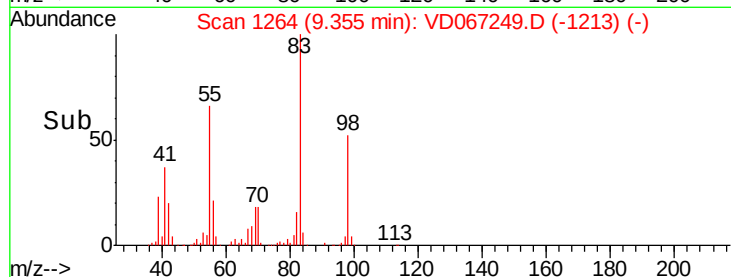
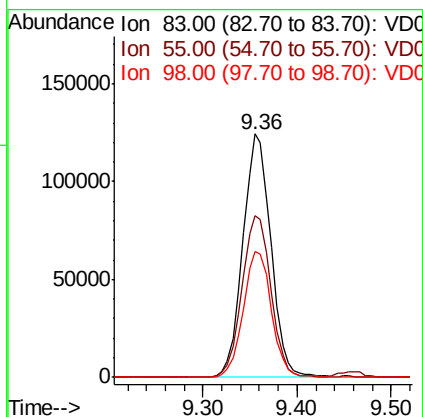
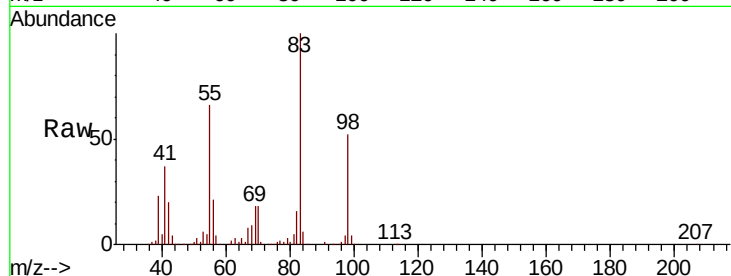




#39
Methylvlcyclohexane
Concen: 52.041 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067249.D
Acq: 13 Oct 2020 13:38

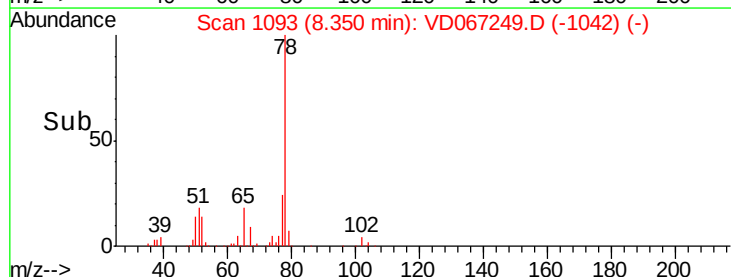
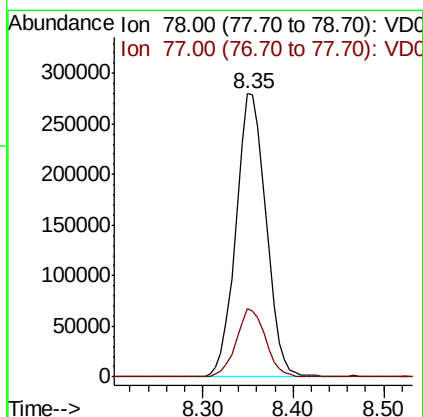
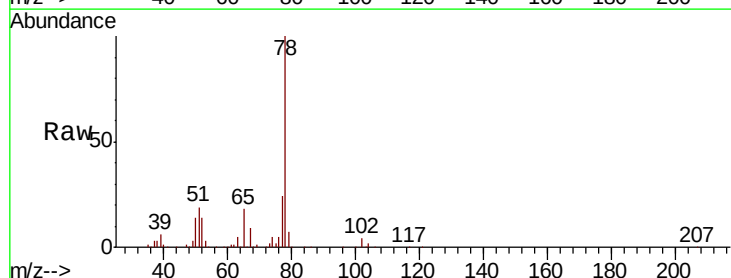
Instrument :
MSVOA_D
ClientSampleId :
ICVVD101320

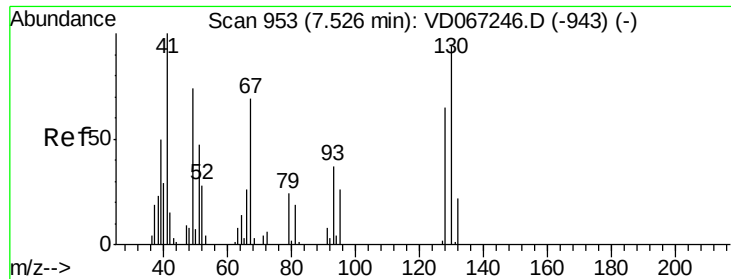
Tot Ion: 83 Resp: 256722
Ion Ratio Lower Upper
83 100
55 66.4 53.3 79.9
98 51.9 41.0 61.4



#40
Benzene
Concen: 50.004 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD067249.D
Acq: 13 Oct 2020 13:38

Tgt Ion: 78 Resp: 647308
Ion Ratio Lower Upper
78 100
77 24.2 18.3 27.5





#41

Methacrylonitrile

Concen: 44.195 ug/l

RT: 7.53 min Scan# 953

Delta R.T. 0.00 min

Lab File: VD067249.D

Acq: 13 Oct 2020 13:38

Instrument :

MSVOA_D

ClientSampleId :

ICVVD101320

Tot Ion: 41 Resp: 33156

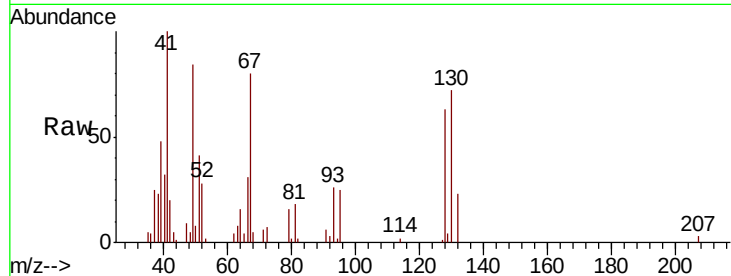
Ion Ratio Lower Upper

41 100

39 44.5 60.0 90.0#

67 111.0 88.9 133.3

52 43.9 36.9 55.3

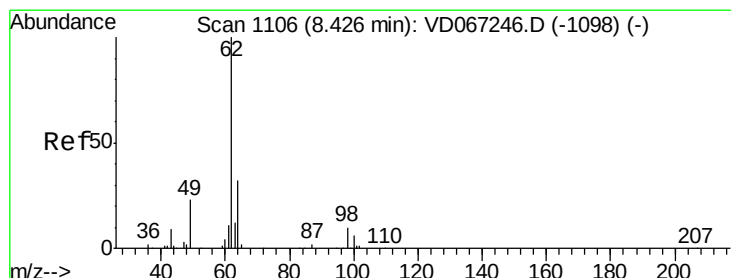
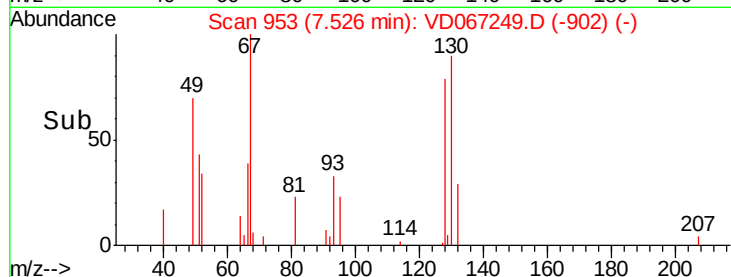
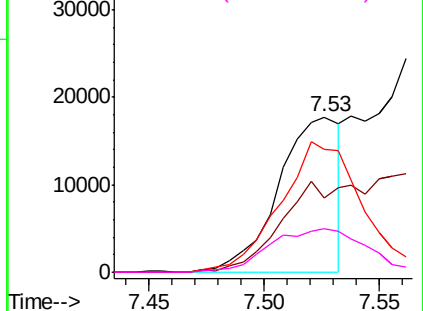


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 49.739 ug/l

RT: 8.42 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VD067249.D

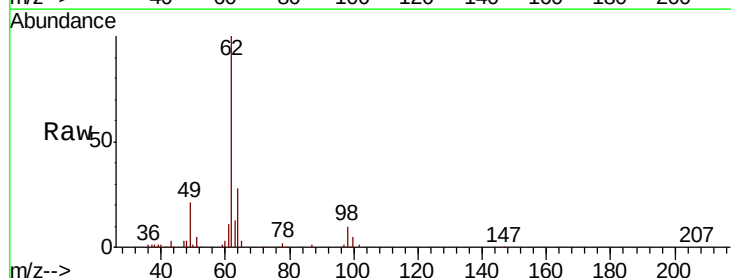
Acq: 13 Oct 2020 13:38

Tgt Ion: 62 Resp: 201500

Ion Ratio Lower Upper

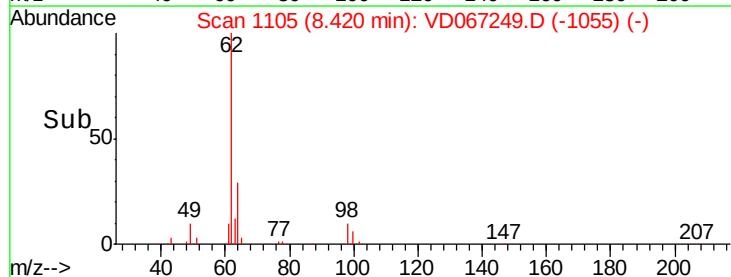
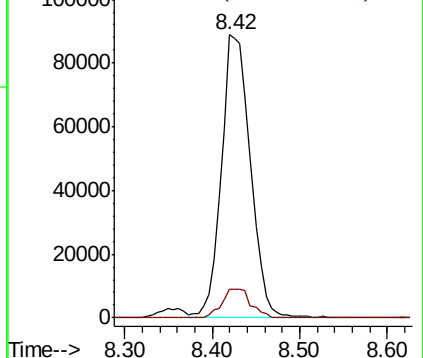
62 100

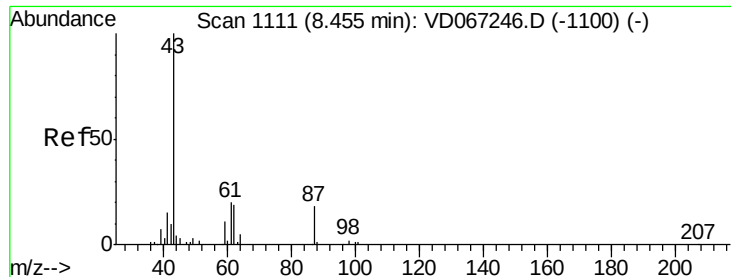
98 10.1 0.0 19.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 52.032 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD067249.D

Acq: 13 Oct 2020 13:38

Instrument :

MSVOA_D

ClientSampleId :

ICVVD101320

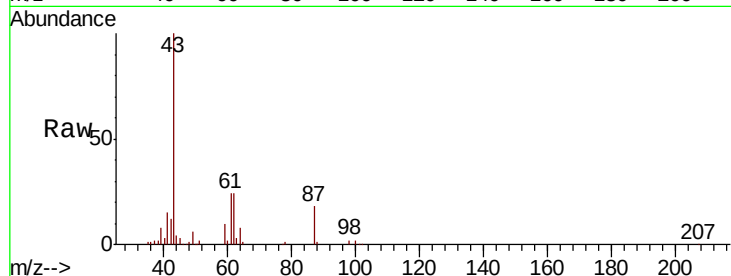
Tot Ion: 43 Resp: 143336

Ion Ratio Lower Upper

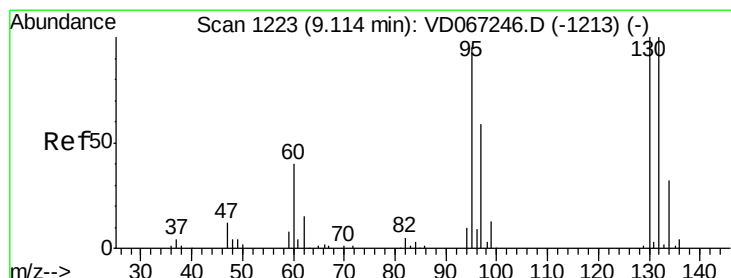
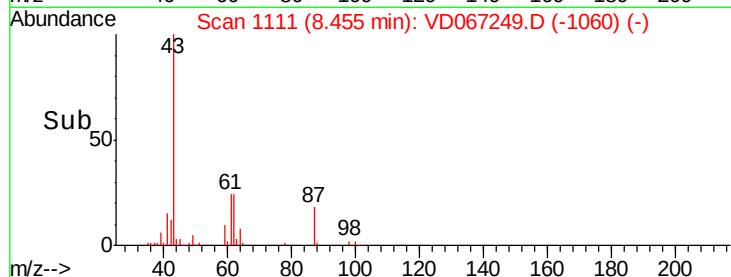
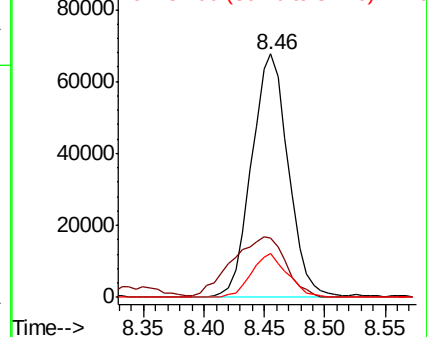
43 100

61 36.6 29.5 44.3

87 17.6 14.2 21.4



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



#44

Trichloroethene

Concen: 49.174 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD067249.D

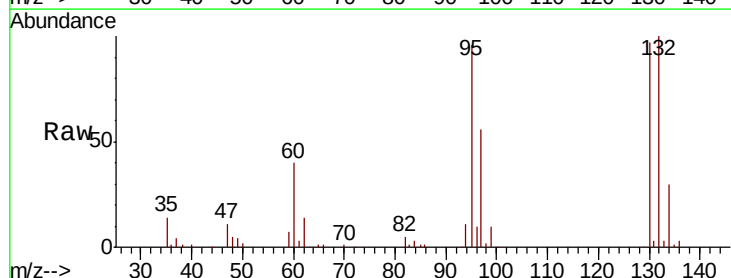
Acq: 13 Oct 2020 13:38

Tgt Ion:130 Resp: 203812

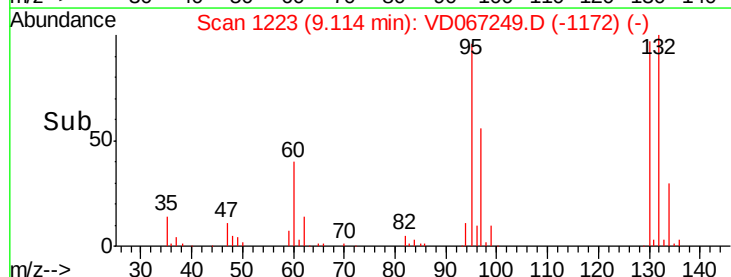
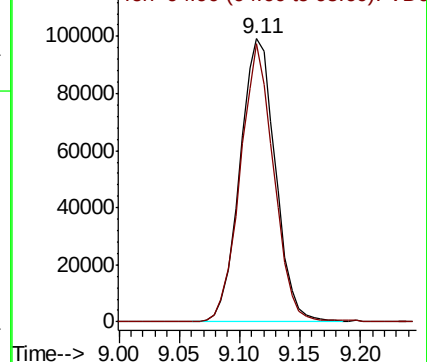
Ion Ratio Lower Upper

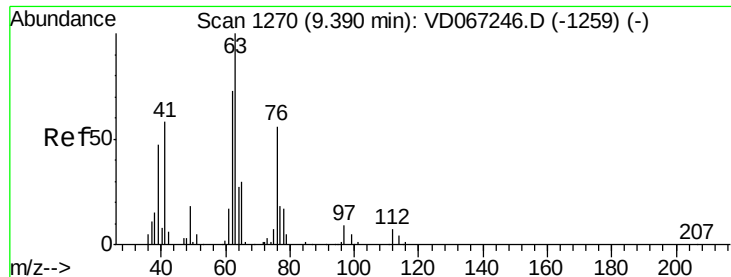
130 100

95 98.4 0.0 190.6



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

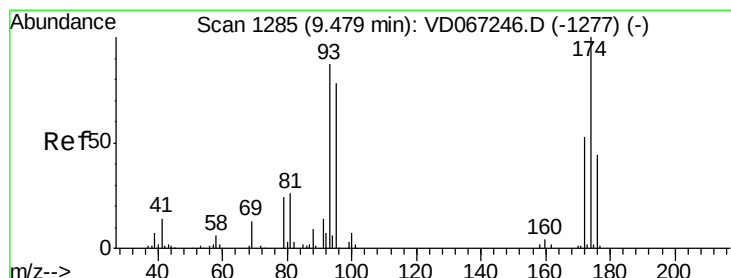
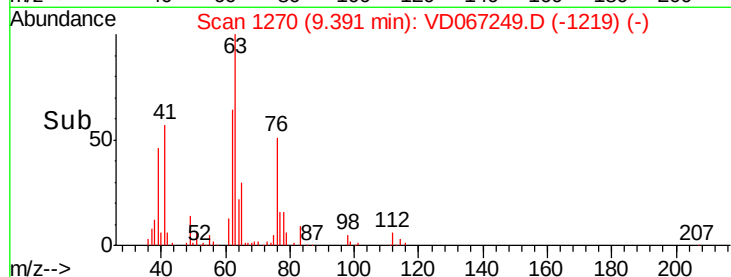
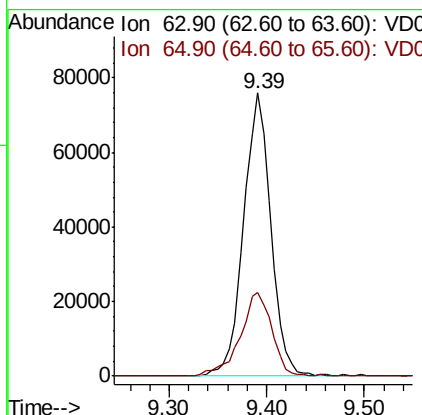
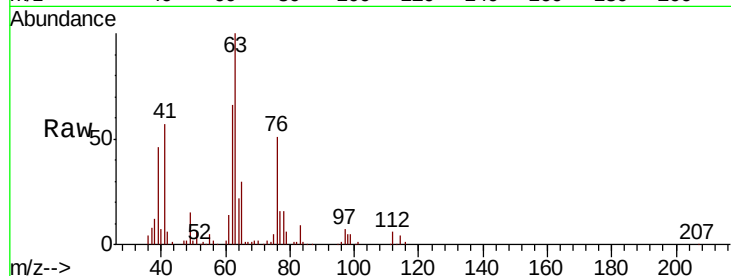




#45
 1,2-Dichloropropane
 Concen: 49.543 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD067249.D
 Acq: 13 Oct 2020 13:38

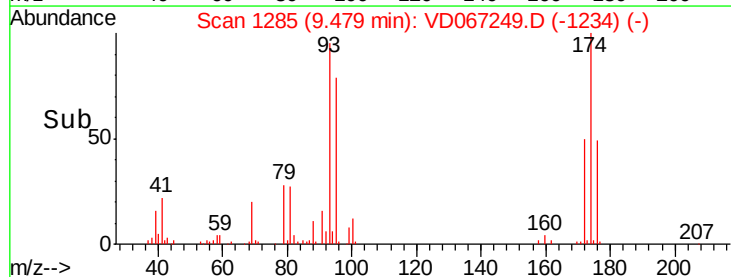
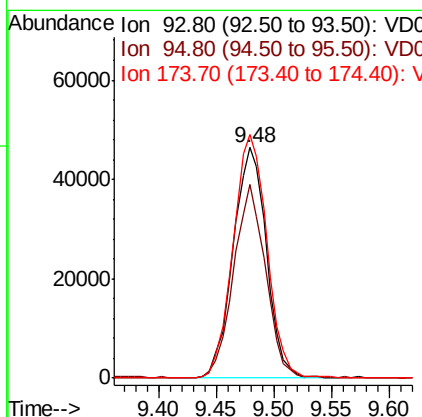
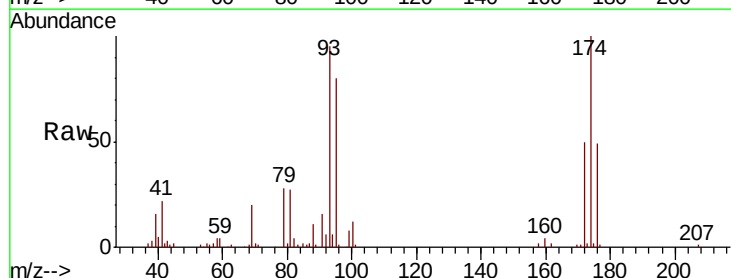
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD101320

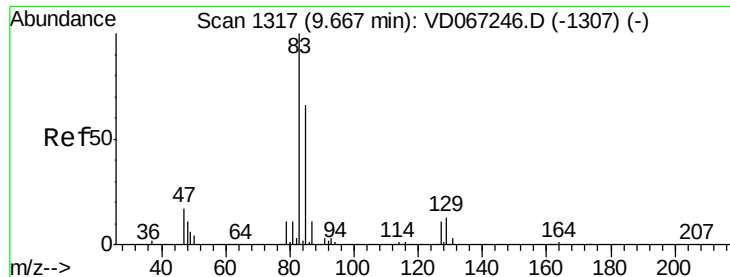
Tot Ion: 63 Resp: 148637
 Ion Ratio Lower Upper
 63 100
 65 29.7 24.6 36.8



#46
 Dibromomethane
 Concen: 49.646 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD067249.D
 Acq: 13 Oct 2020 13:38

Tgt Ion: 93 Resp: 92801
 Ion Ratio Lower Upper
 93 100
 95 80.9 68.0 102.0
 174 107.4 91.8 137.6





#47

Bromodichloromethane

Concen: 48.716 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD067249.D

Acq: 13 Oct 2020 13:38

Instrument :

MSVOA_D

ClientSampleId :

ICVVD101320

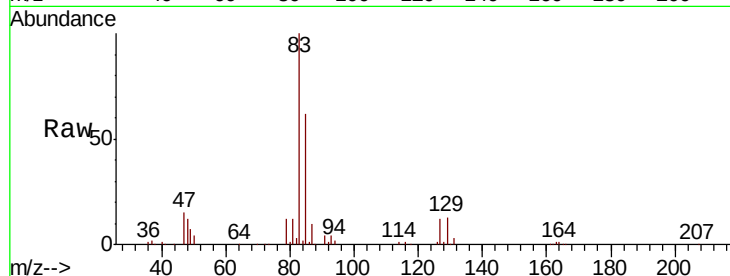
Tot Ion: 83 Resp: 243977

Ion Ratio Lower Upper

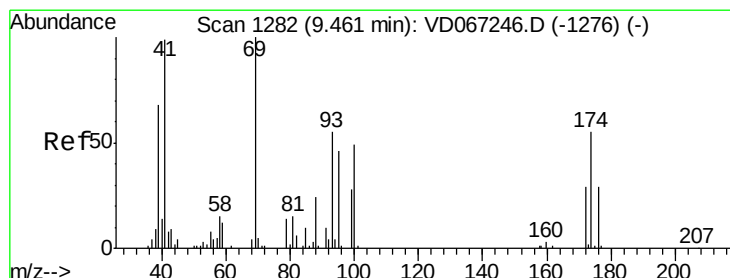
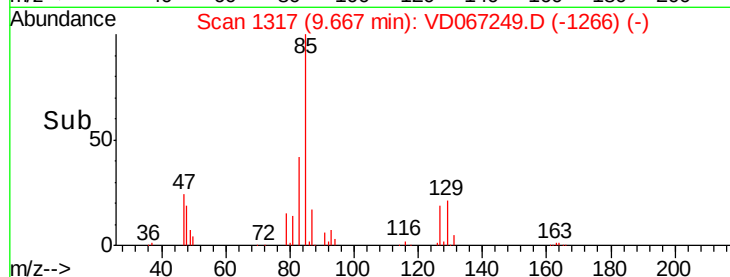
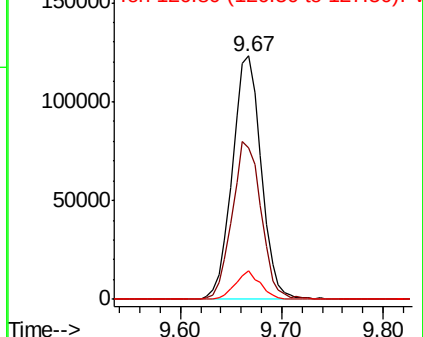
83 100

85 62.1 53.1 79.7

127 11.5 8.6 13.0



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 50.603 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD067249.D

Acq: 13 Oct 2020 13:38

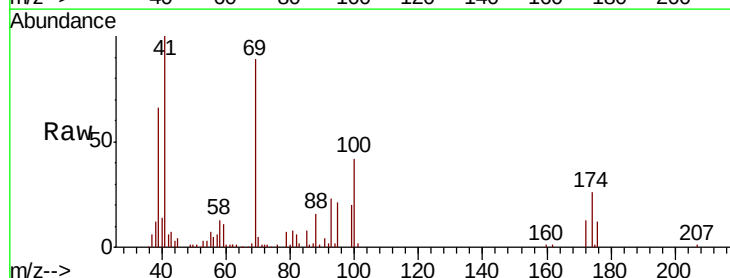
Tgt Ion: 41 Resp: 67744

Ion Ratio Lower Upper

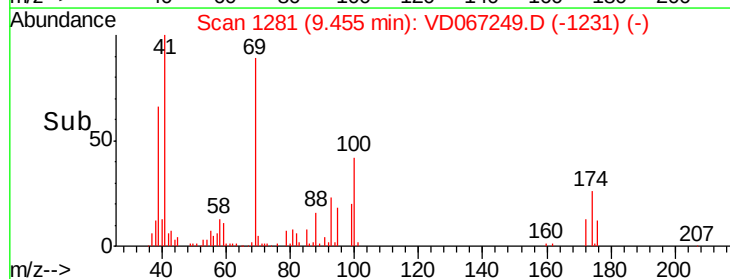
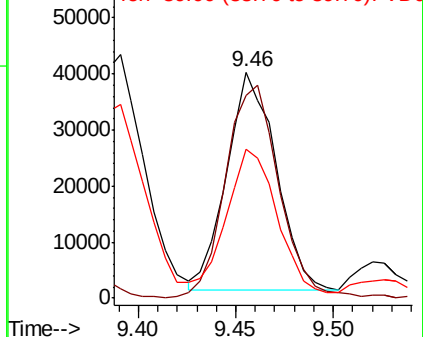
41 100

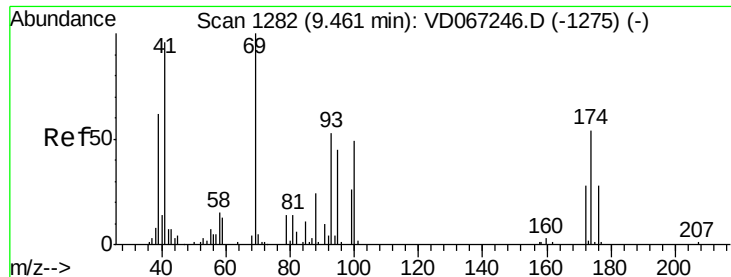
69 107.6 89.0 133.6

39 66.5 60.2 90.2



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC

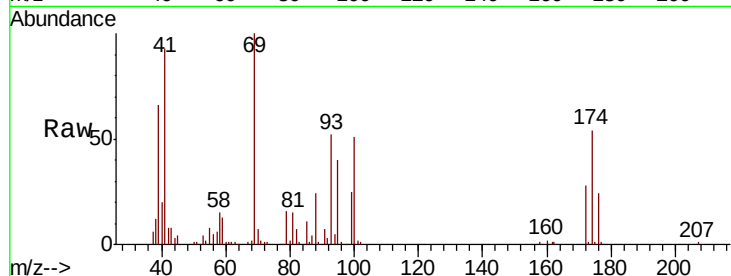




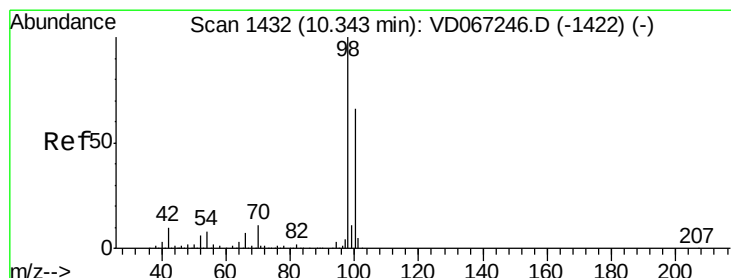
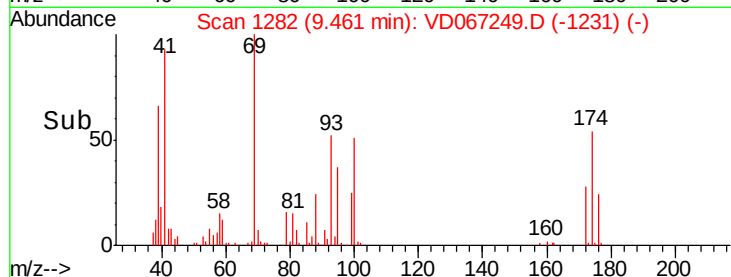
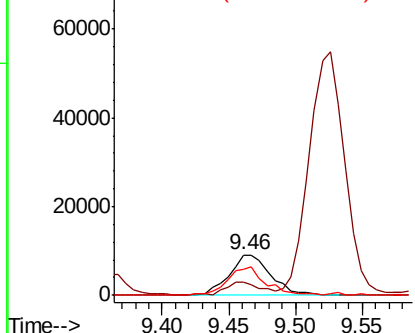
#49
1,4-Dioxane
Concen: 1076.040 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD067249.D
Acq: 13 Oct 2020 13:38

Instrument :
MSVOA_D
ClientSampleId :
ICVVD101320

Tot Ion: 88 Resp: 19423
Ion Ratio Lower Upper
88 100
43 29.8 23.9 35.9
58 65.5 51.0 76.6

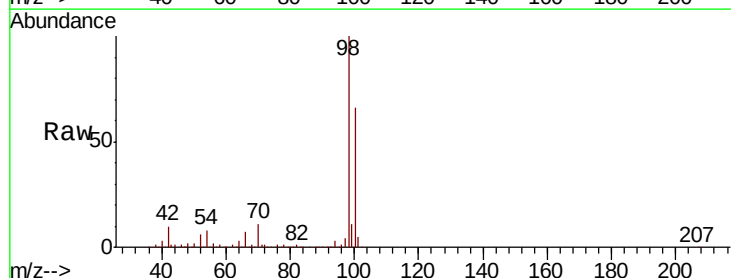


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

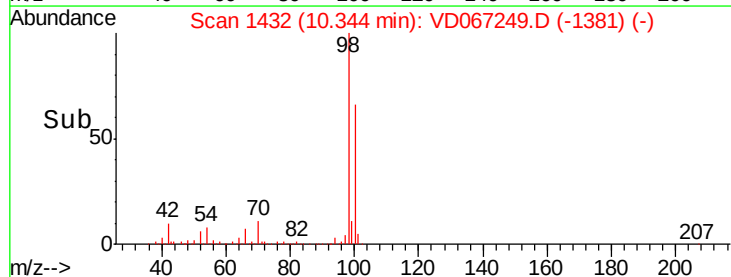
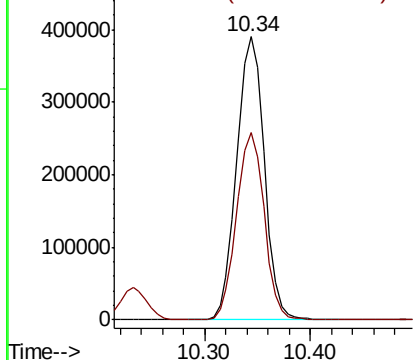


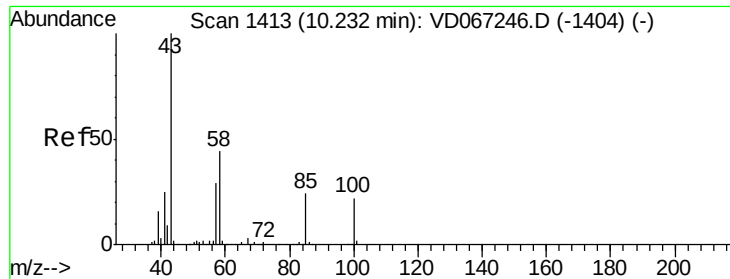
#50
Toluene-d8
Concen: 52.886 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067249.D
Acq: 13 Oct 2020 13:38

Tgt Ion: 98 Resp: 709118
Ion Ratio Lower Upper
98 100
100 66.1 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC

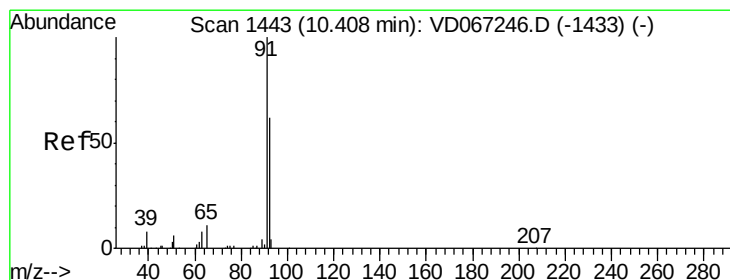
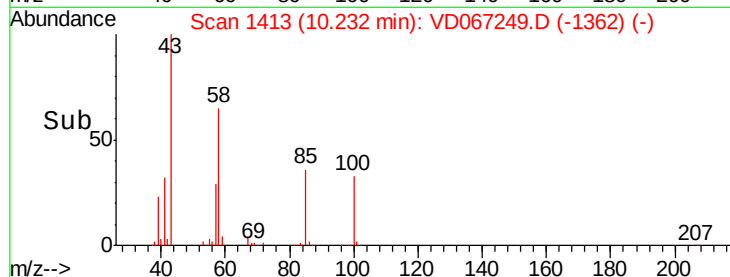
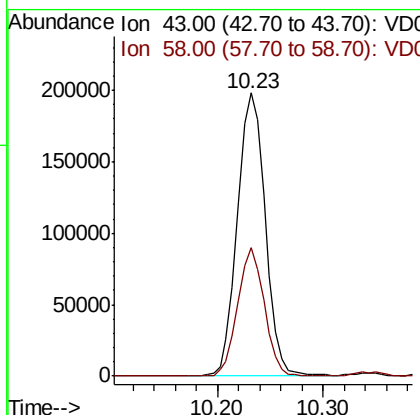
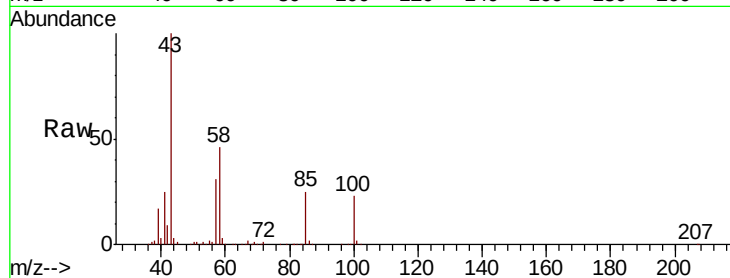




#51
 4-Methyl-2-Pentanone
 Concen: 263.733 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. 0.00 min
 Lab File: VD067249.D
 Acq: 13 Oct 2020 13:38

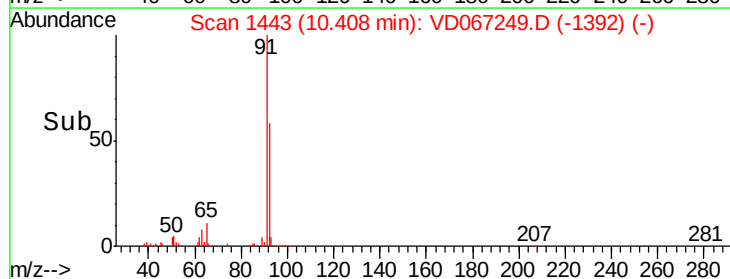
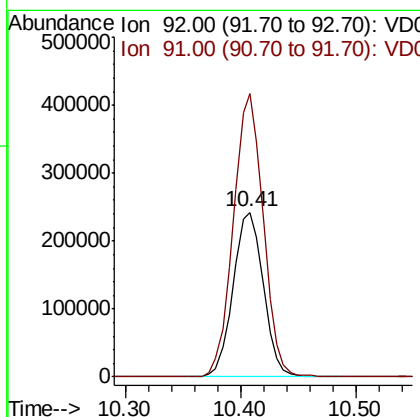
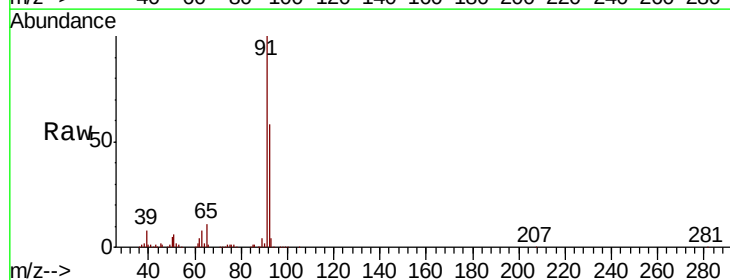
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD101320

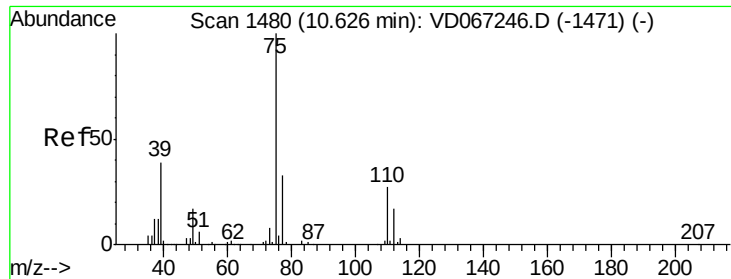
Tot Ion: 43 Resp: 362371
 Ion Ratio Lower Upper
 43 100
 58 43.6 35.7 53.5



#52
 Toluene
 Concen: 49.877 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. 0.00 min
 Lab File: VD067249.D
 Acq: 13 Oct 2020 13:38

Tgt Ion: 92 Resp: 439762
 Ion Ratio Lower Upper
 92 100
 91 170.4 133.8 200.8





#53

t-1,3-Dichloropropene

Concen: 50.519 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD067249.D

Acq: 13 Oct 2020 13:38

Instrument :

MSVOA_D

ClientSampleId :

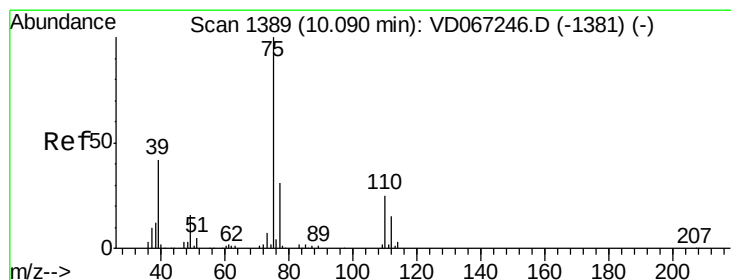
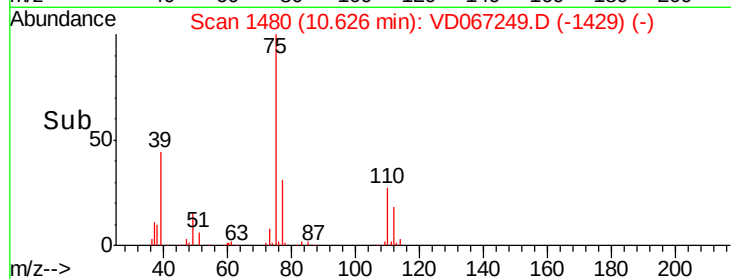
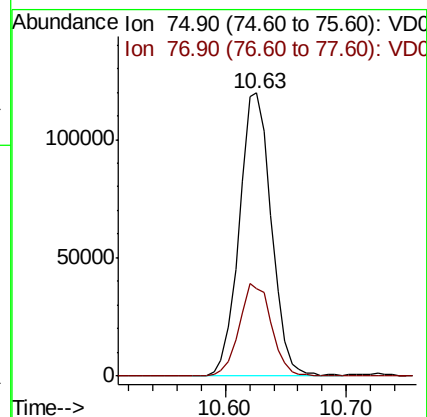
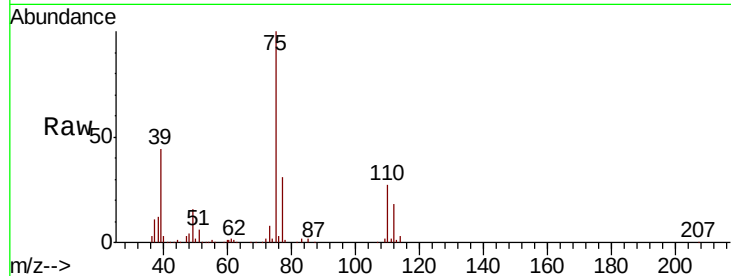
ICVVD101320

Tot Ion: 75 Resp: 222255

Ion Ratio Lower Upper

75 100

77 31.1 26.5 39.7



#54

cis-1,3-Dichloropropene

Concen: 50.159 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD067249.D

Acq: 13 Oct 2020 13:38

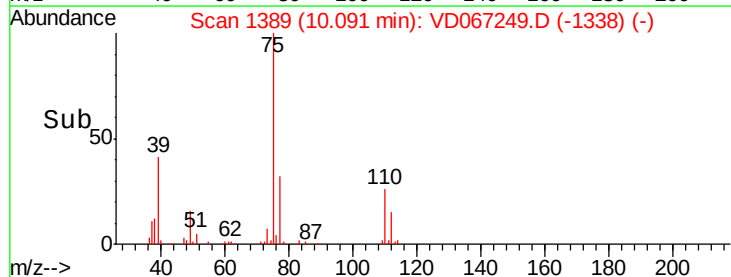
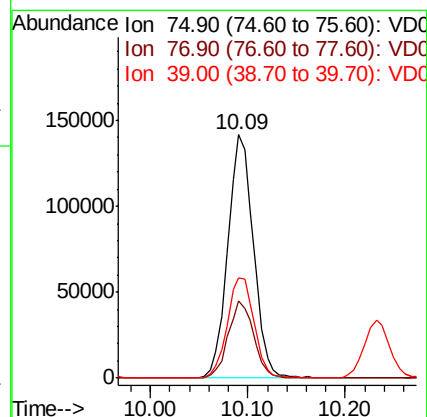
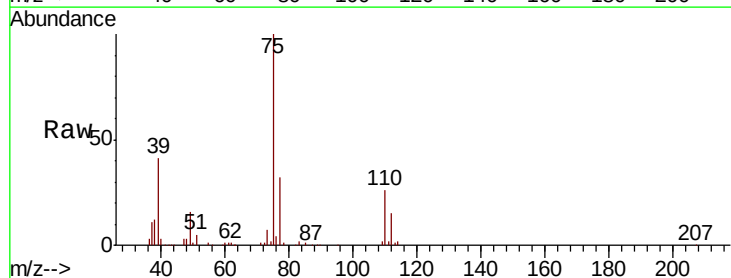
Tgt Ion: 75 Resp: 258254

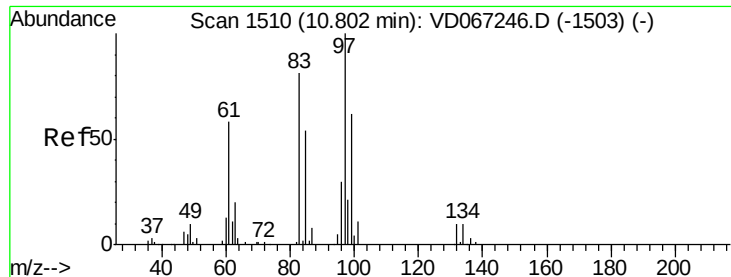
Ion Ratio Lower Upper

75 100

77 31.8 24.5 36.7

39 41.2 33.7 50.5

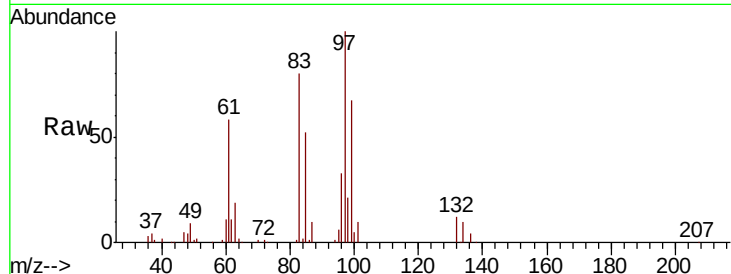




#55
 1,1,2-Trichloroethane
 Concen: 49.138 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD067249.D
 Acq: 13 Oct 2020 13:38

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD101320

Tot Ion:	97	Resp:	125252
Ion	Ratio	Lower	Upper
97	100		
83	80.3	64.9	97.3
85	52.3	43.3	64.9
99	66.6	49.1	73.7



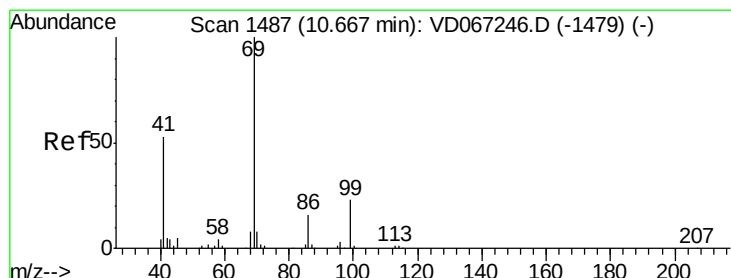
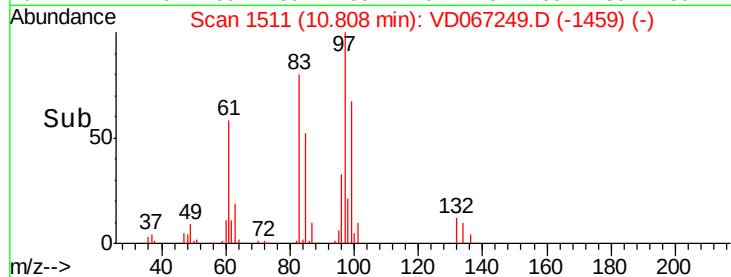
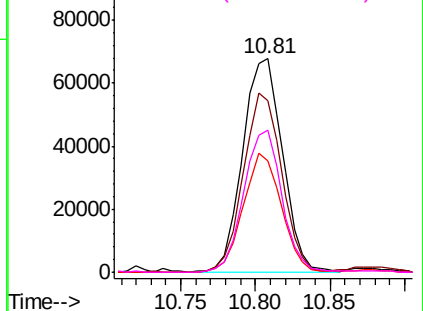
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

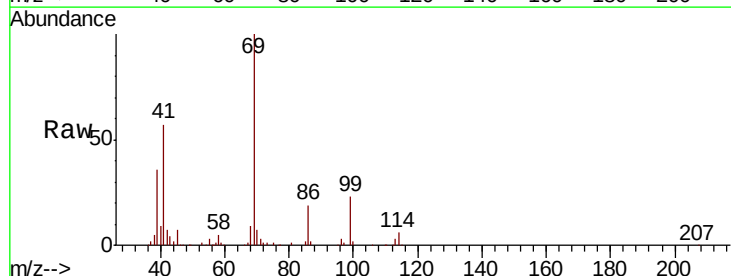
Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56
 Ethyl methacrylate
 Concen: 53.312 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD067249.D
 Acq: 13 Oct 2020 13:38

Tgt Ion:	69	Resp:	140934
Ion	Ratio	Lower	Upper
69	100		
41	56.3	44.7	67.1
39	32.8	26.2	39.2

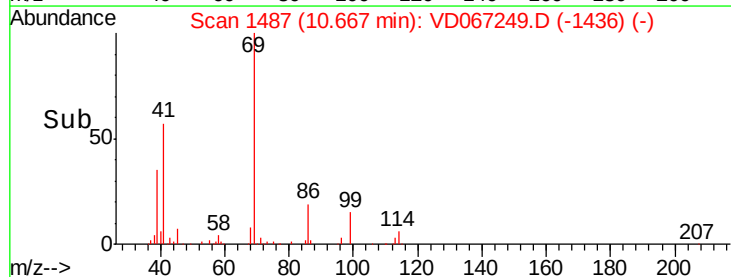
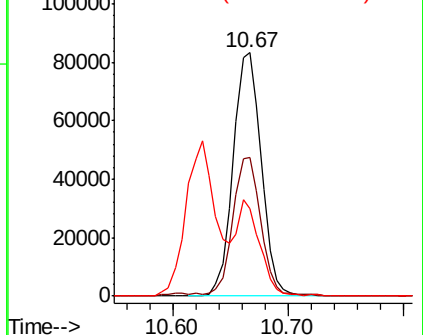


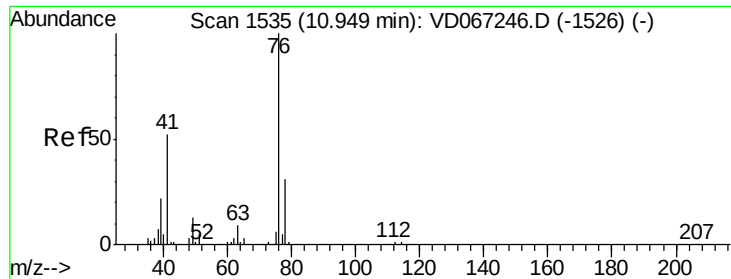
Abundance

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: 51.176 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD067249.D

Acq: 13 Oct 2020 13:38

Instrument :

MSVOA_D

ClientSampleId :

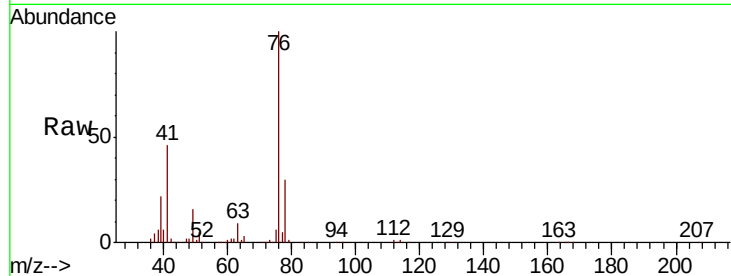
ICVVD101320

Tot Ion: 76 Resp: 207594

Ion Ratio Lower Upper

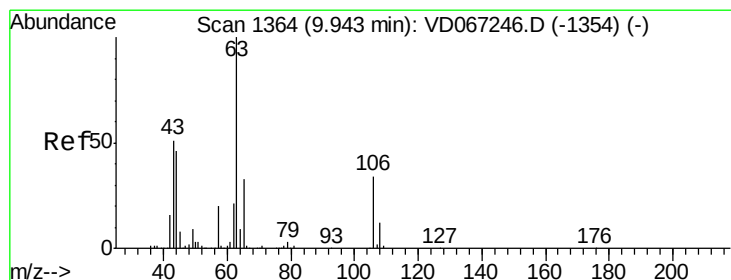
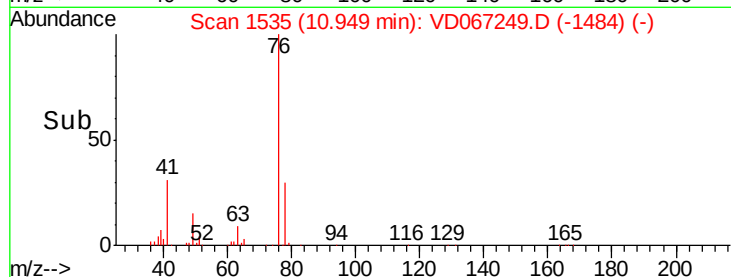
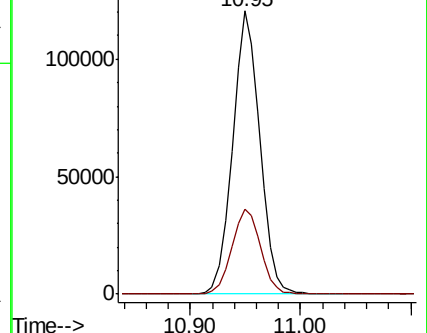
76 100

78 32.0 26.8 40.2



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 266.884 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD067249.D

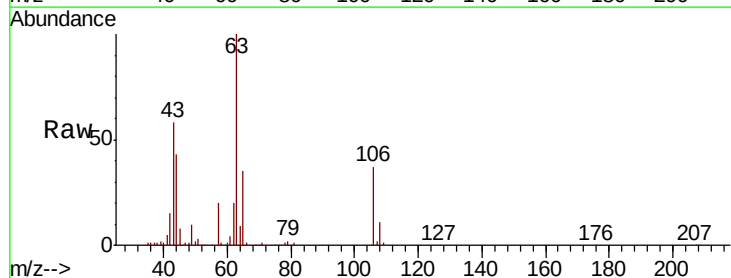
Acq: 13 Oct 2020 13:38

Tgt Ion: 63 Resp: 361933

Ion Ratio Lower Upper

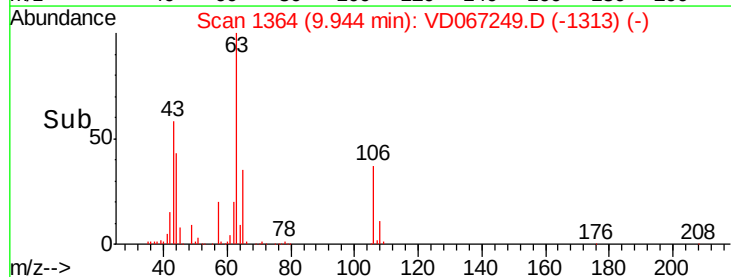
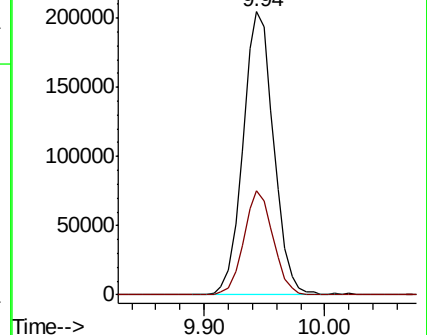
63 100

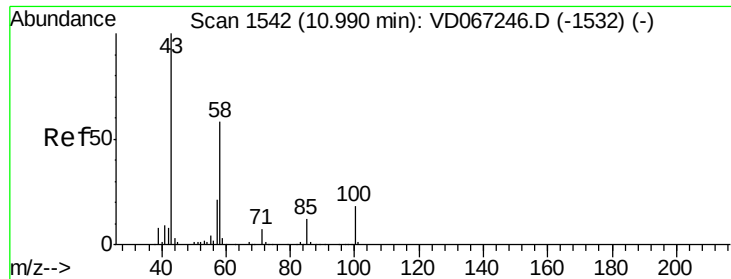
106 35.4 27.8 41.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

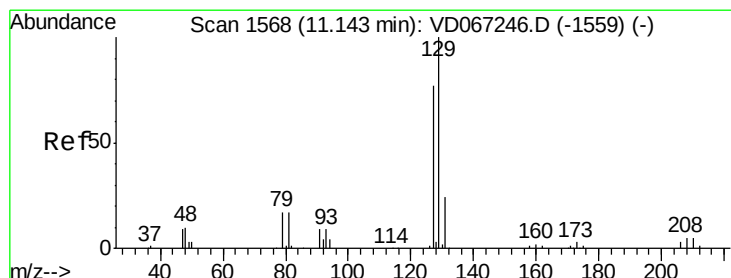
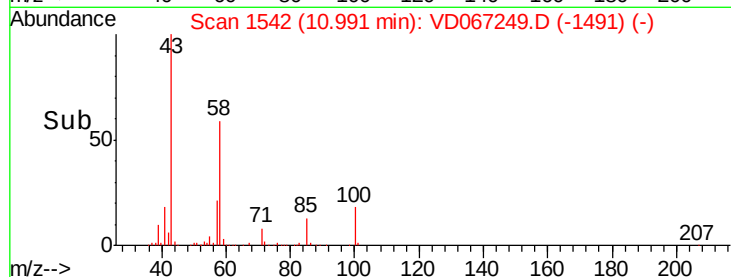
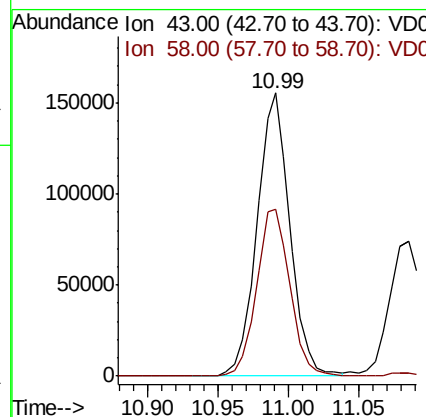
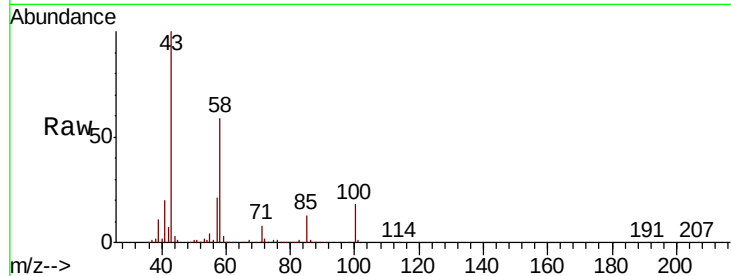




#59
2-Hexanone
Concen: 270.428 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067249.D
Acq: 13 Oct 2020 13:38

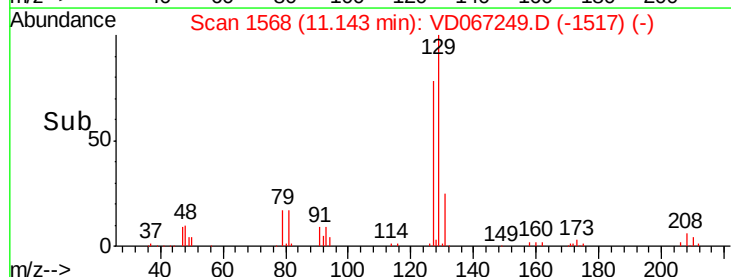
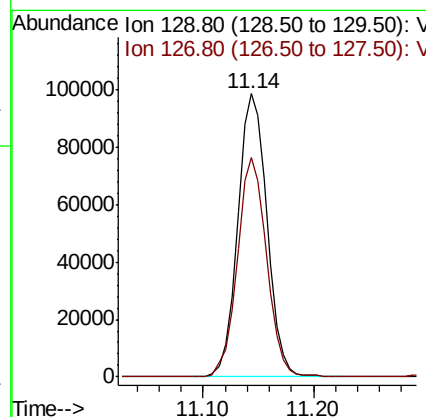
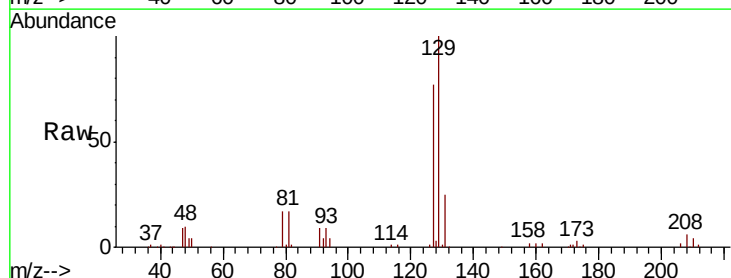
Instrument :
MSVOA_D
ClientSampleId :
ICVVD101320

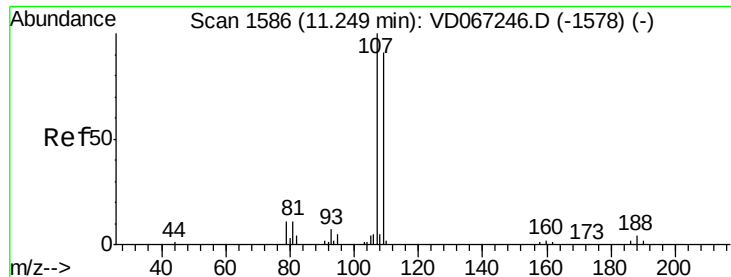
Tot Ion: 43 Resp: 253905
Ion Ratio Lower Upper
43 100
58 60.2 29.3 87.9



#60
Dibromochloromethane
Concen: 49.283 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067249.D
Acq: 13 Oct 2020 13:38

Tgt Ion: 129 Resp: 183199
Ion Ratio Lower Upper
129 100
127 77.4 38.3 114.8





#61

1,2-Dibromoethane

Concen: 49.051 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD067249.D

Acq: 13 Oct 2020 13:38

Instrument :

MSVOA_D

ClientSampleId :

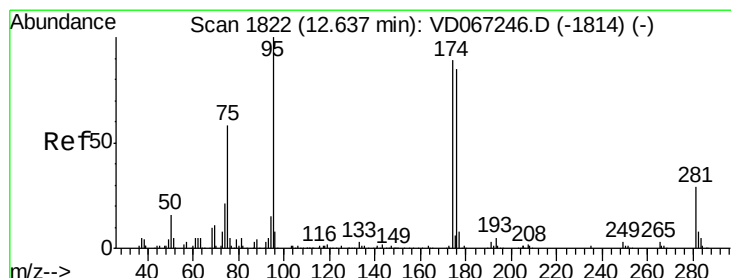
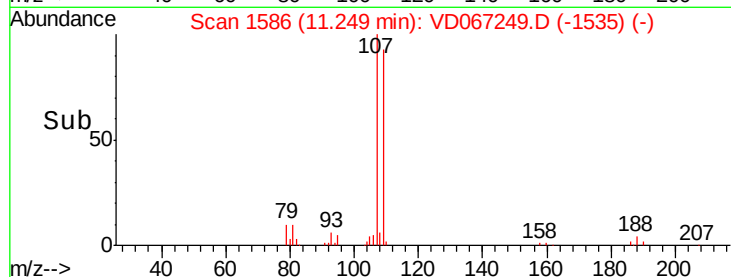
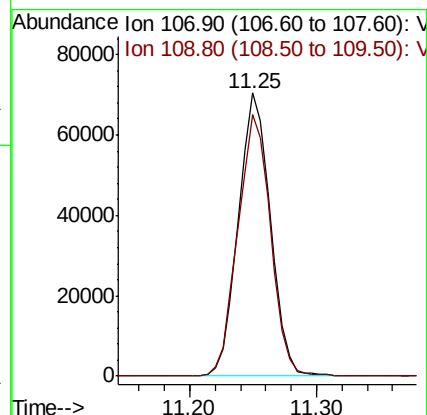
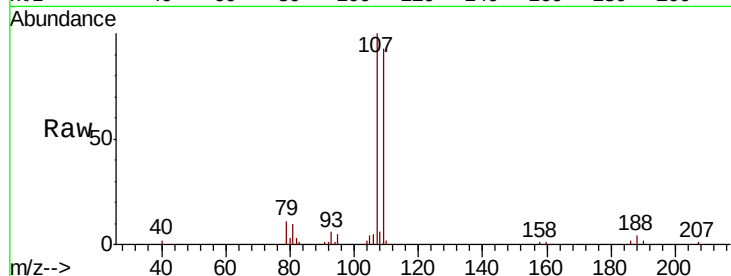
ICVVD101320

Tot Ion:107 Resp: 123261

Ion Ratio Lower Upper

107 100

109 94.8 74.6 112.0



#62

4-Bromofluorobenzene

Concen: 53.368 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067249.D

Acq: 13 Oct 2020 13:38

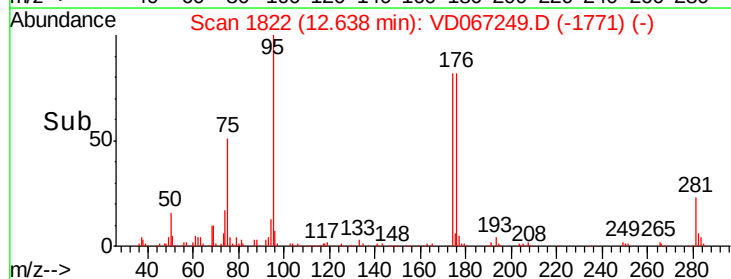
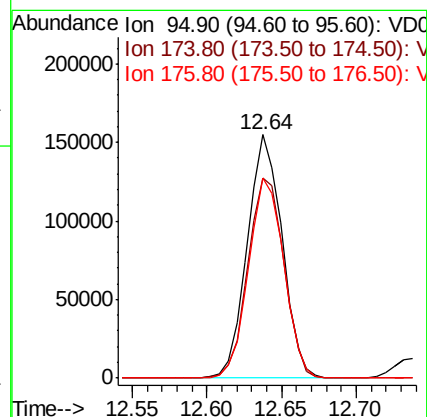
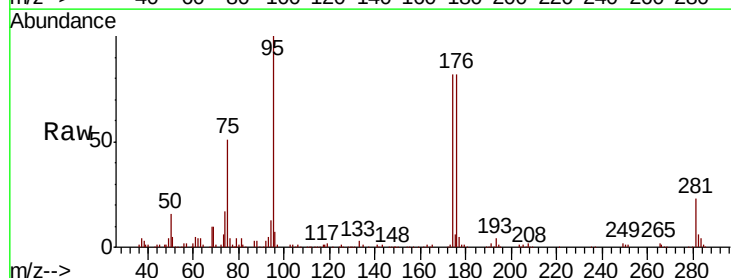
Tgt Ion: 95 Resp: 248819

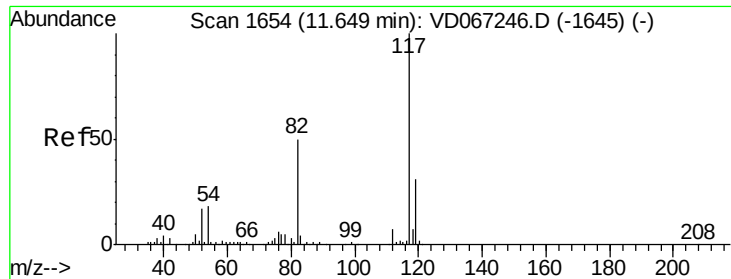
Ion Ratio Lower Upper

95 100

174 85.7 0.0 175.2

176 83.7 0.0 168.6

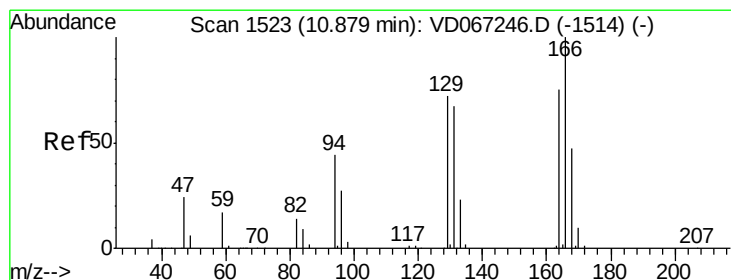
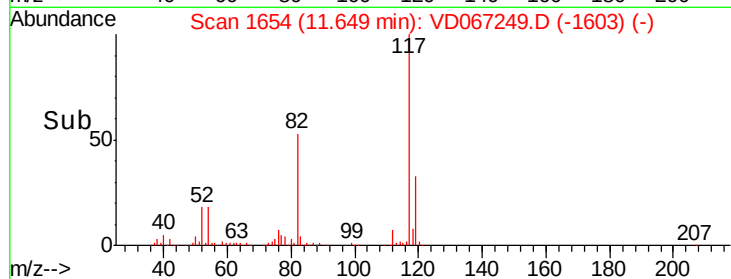
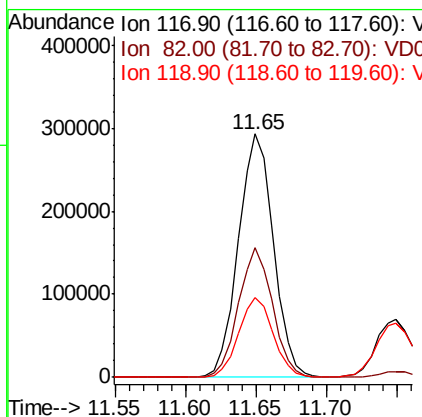
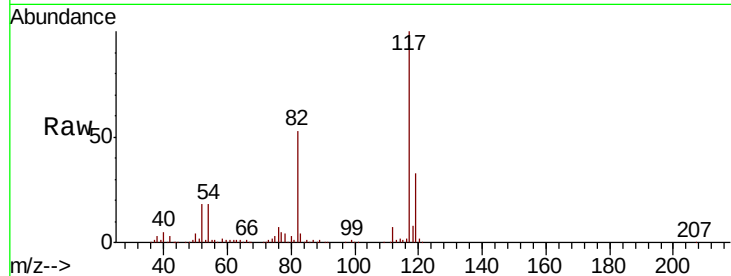




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067249.D
Acq: 13 Oct 2020 13:38

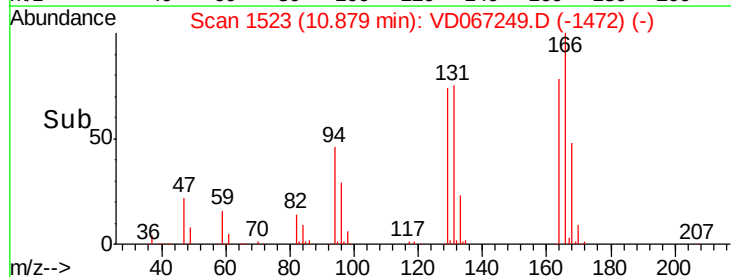
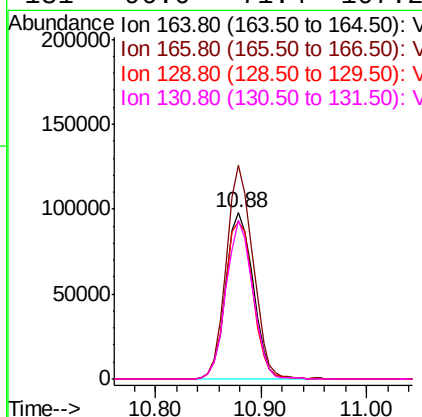
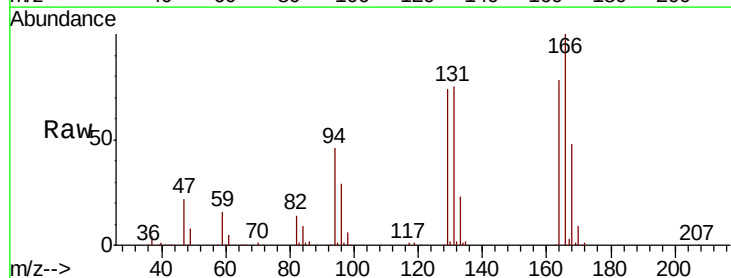
Instrument :
MSVOA_D
ClientSampleId :
ICVVD101320

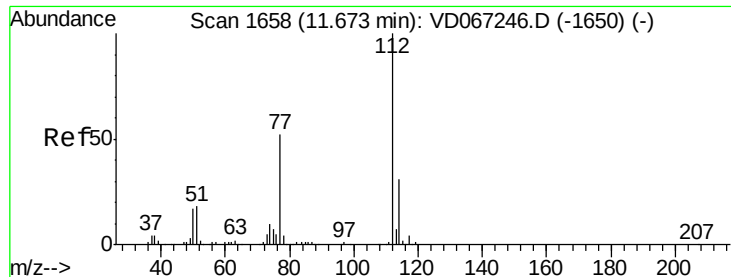
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.4	39.9	59.9
119	32.7	24.9	37.3



#64
Tetrachloroethene
Concen: 47.673 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067249.D
Acq: 13 Oct 2020 13:38

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.8	107.3	160.9
129	94.7	77.3	115.9
131	96.0	71.4	107.2

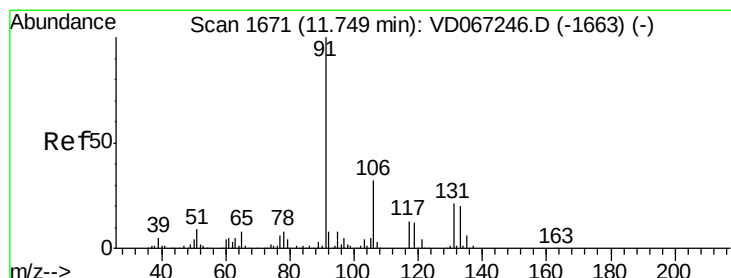
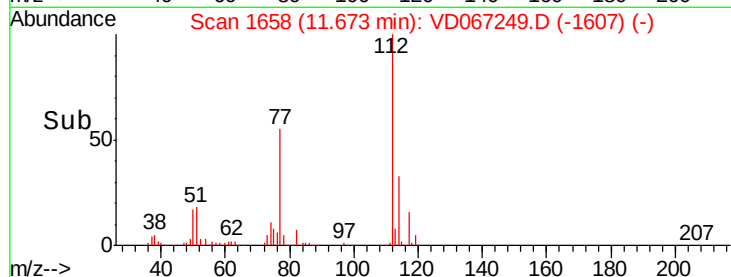
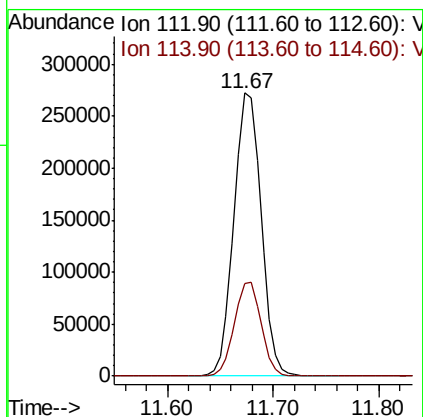
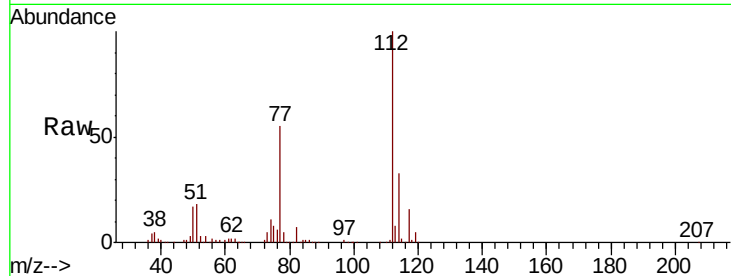




#65
Chlorobenzene
Concen: 49.717 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067249.D
Acq: 13 Oct 2020 13:38

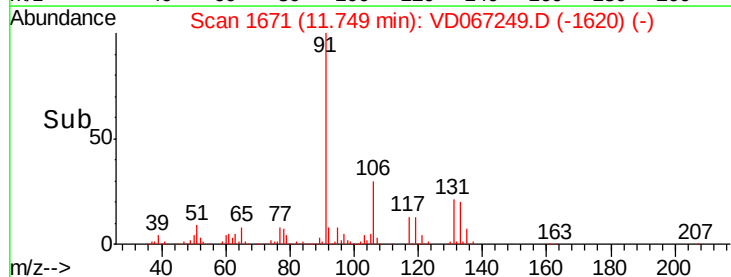
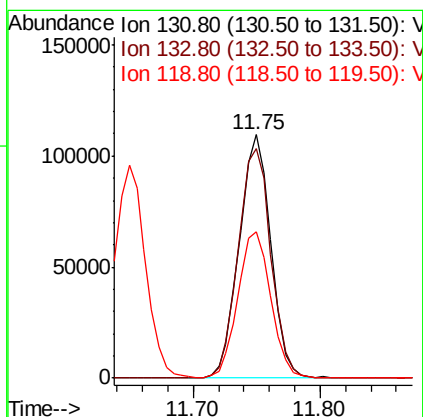
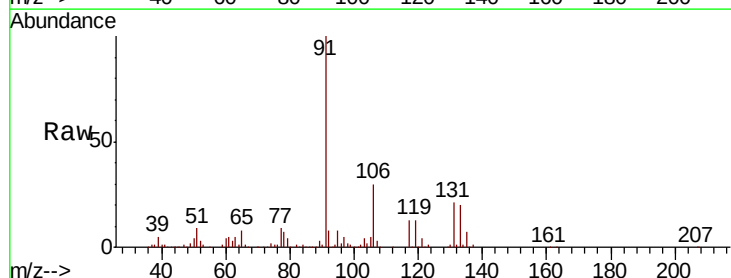
Instrument :
MSVOA_D
ClientSampleId :
ICVVD101320

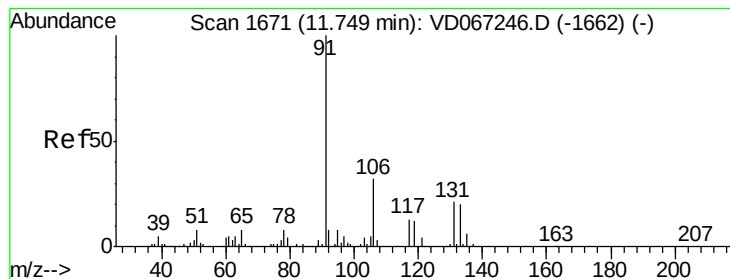
Tot Ion:112 Resp: 485547
Ion Ratio Lower Upper
112 100
114 32.9 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 48.885 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067249.D
Acq: 13 Oct 2020 13:38

Tgt Ion:131 Resp: 189748
Ion Ratio Lower Upper
131 100
133 97.7 48.1 144.3
119 62.7 30.0 90.0





#67

Ethyl Benzene

Concen: 51.012 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067249.D

Acq: 13 Oct 2020 13:38

Instrument :

MSVOA_D

ClientSampleId :

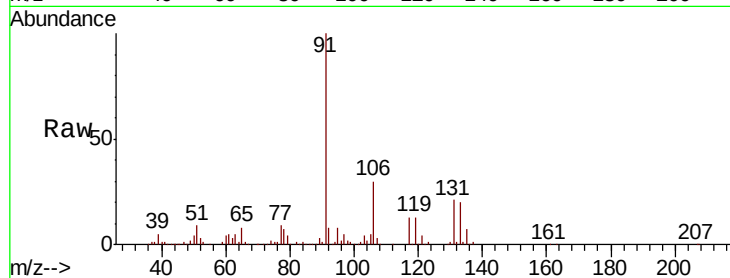
ICVVD101320

Tot Ion: 91 Resp: 854003

Ion Ratio Lower Upper

91 100

106 30.2 25.4 38.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC

800000

600000

400000

200000

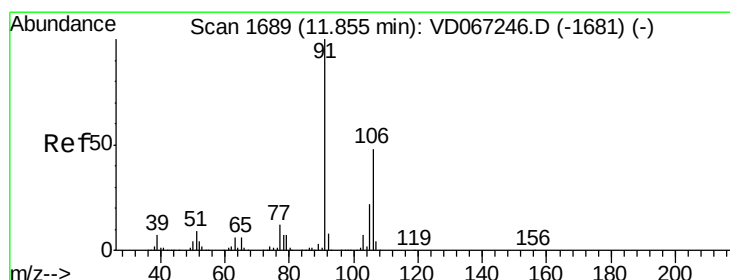
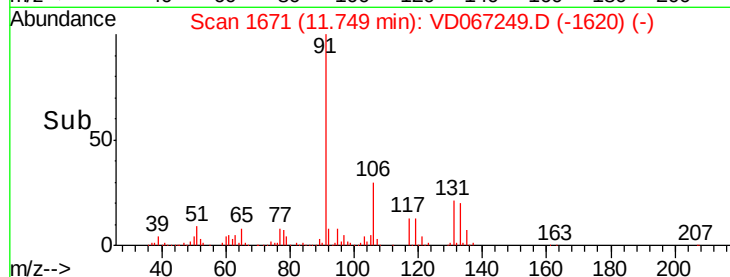
0

11.70

11.75

11.80

Time-->



#68

m/p-Xylenes

Concen: 102.307 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VD067249.D

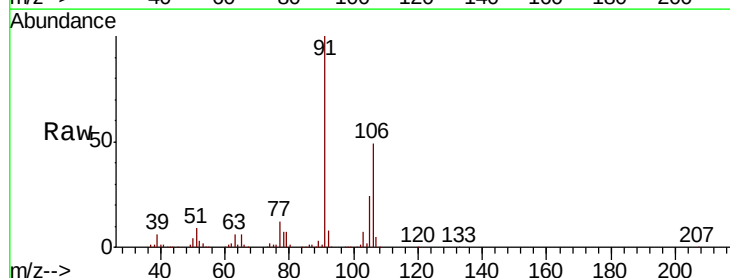
Acq: 13 Oct 2020 13:38

Tgt Ion: 106 Resp: 659548

Ion Ratio Lower Upper

106 100

91 202.0 163.8 245.8



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

800000

600000

400000

200000

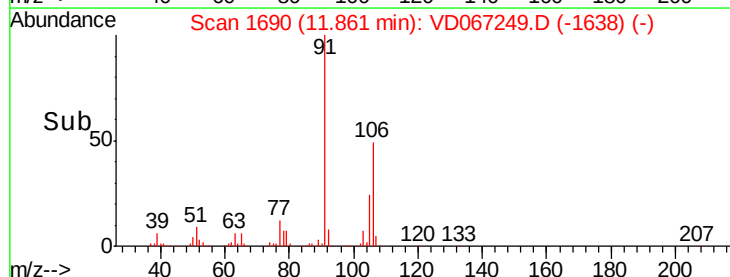
0

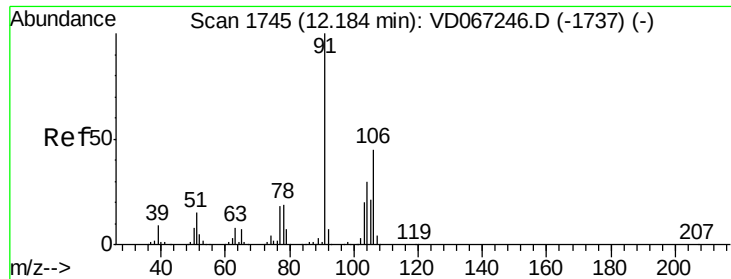
11.80

11.86

11.90

Time-->

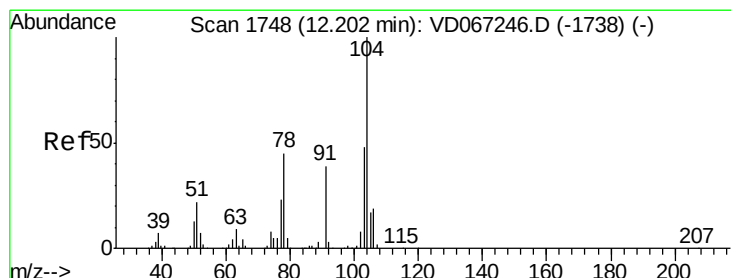
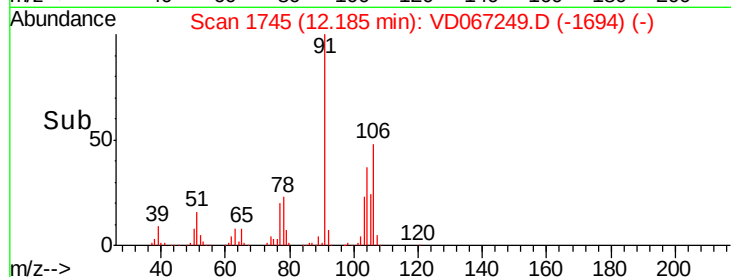
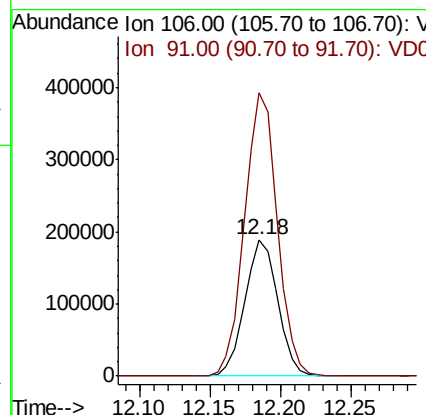
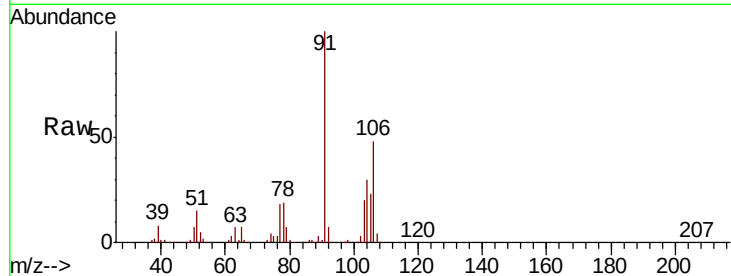




#69
o-Xylene
Concen: 51.770 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067249.D
Acq: 13 Oct 2020 13:38

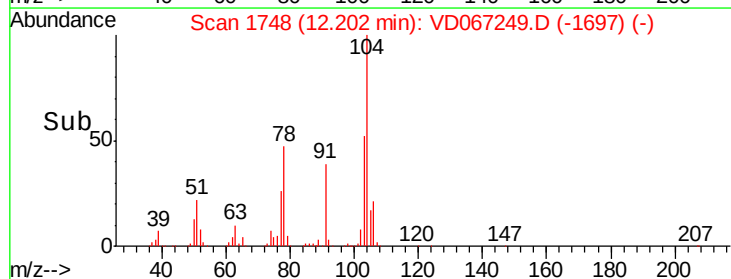
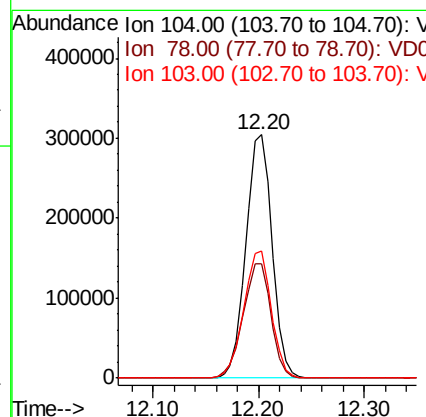
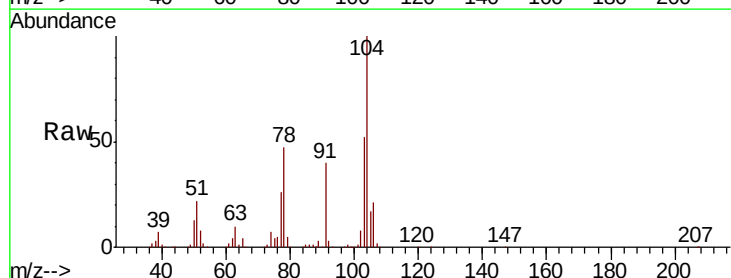
Instrument :
MSVOA_D
ClientSampleId :
ICVVD101320

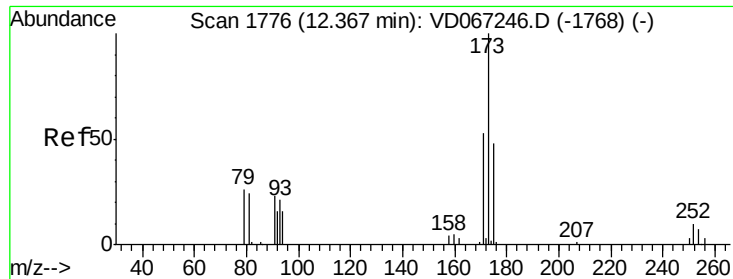
Tot Ion:106 Resp: 309057
Ion Ratio Lower Upper
106 100
91 206.8 109.1 327.3



#70
Styrene
Concen: 50.998 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD067249.D
Acq: 13 Oct 2020 13:38

Tgt Ion:104 Resp: 524079
Ion Ratio Lower Upper
104 100
78 50.0 39.8 59.6
103 54.8 42.6 64.0

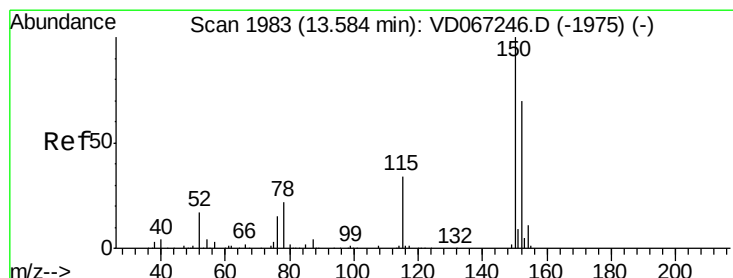
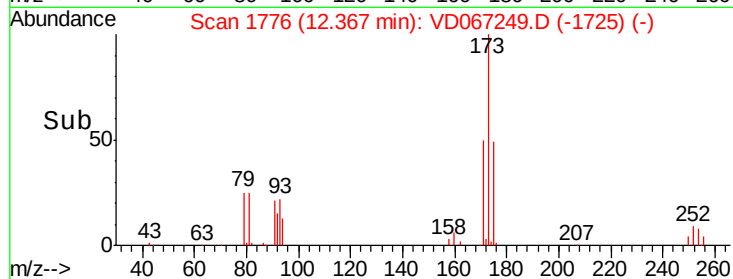
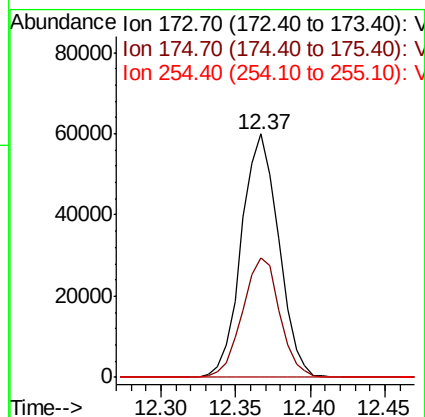
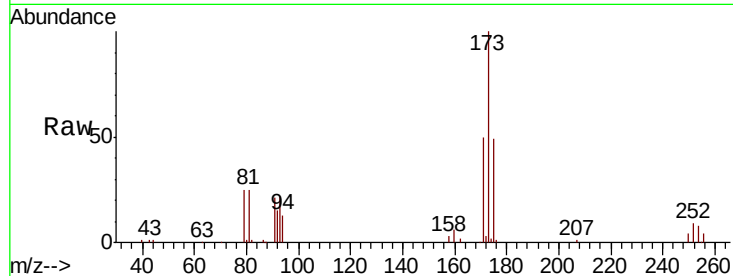




#71
Bromoform
Concen: 49.822 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD067249.D
Acq: 13 Oct 2020 13:38

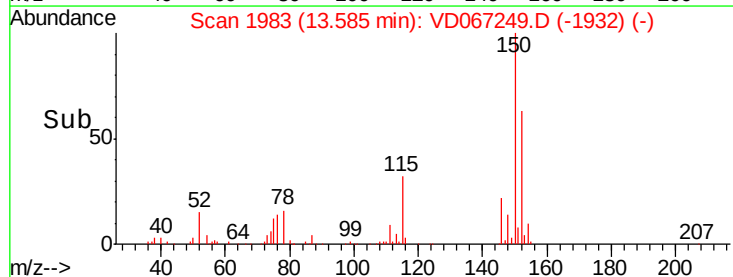
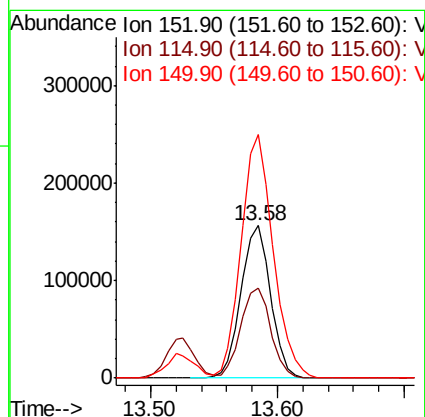
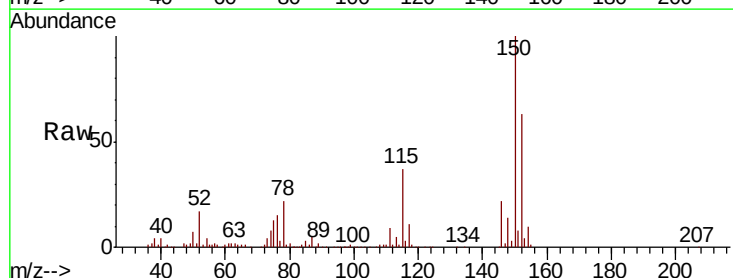
Instrument :
MSVOA_D
ClientSampleId :
ICVVD101320

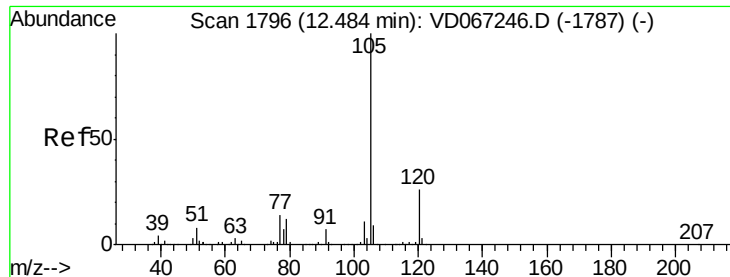
Tot Ion:173 Resp: 103891
Ion Ratio Lower Upper
173 100
175 48.7 24.2 72.6
254 0.1 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD067249.D
Acq: 13 Oct 2020 13:38

Tgt Ion:152 Resp: 253301
Ion Ratio Lower Upper
152 100
115 60.0 29.3 87.9
150 172.5 0.0 339.0





#73

Isopropylbenzene

Concen: 53.991 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067249.D

Acq: 13 Oct 2020 13:38

Instrument :

MSVOA_D

ClientSampleId :

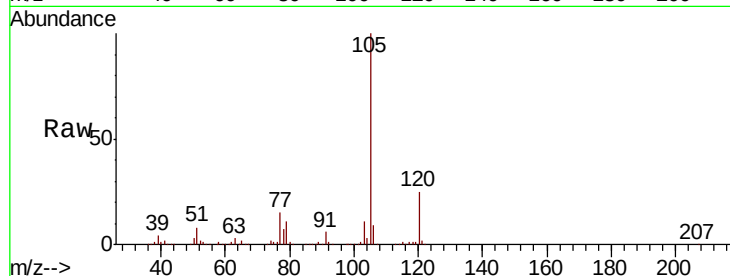
ICVVD101320

Tot Ion:105 Resp: 867972

Ion Ratio Lower Upper

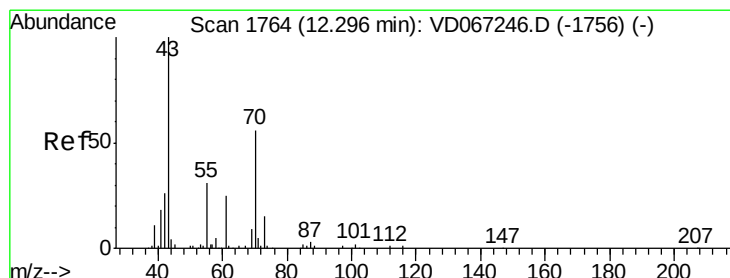
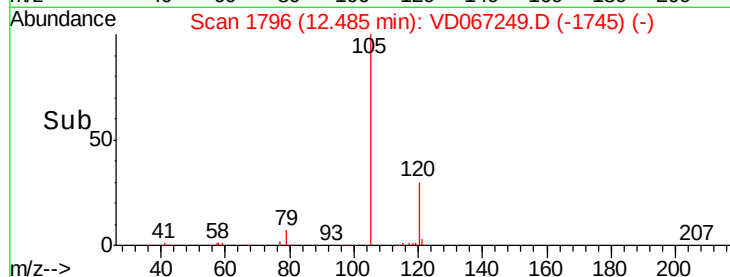
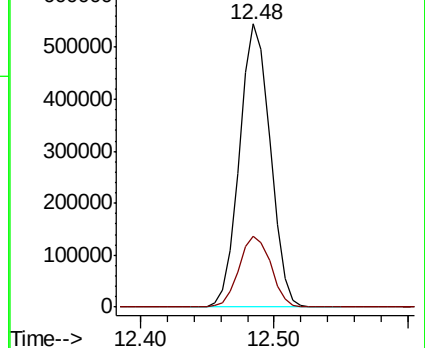
105 100

120 26.0 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 54.743 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD067249.D

Acq: 13 Oct 2020 13:38

Tgt Ion: 43 Resp: 132917

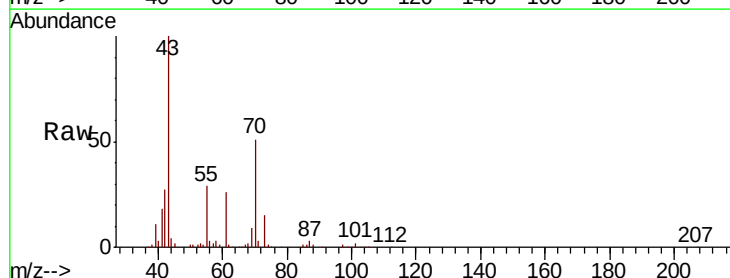
Ion Ratio Lower Upper

43 100

70 52.6 42.7 64.1

55 28.5 24.0 36.0

61 26.8 22.2 33.4

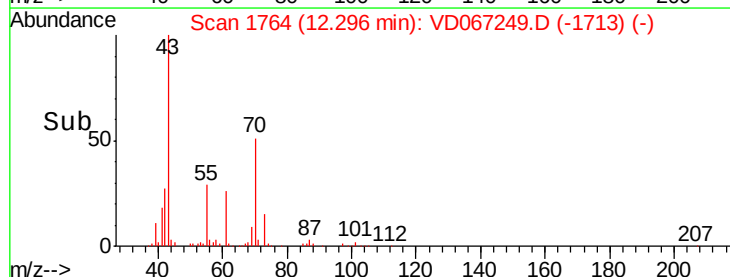
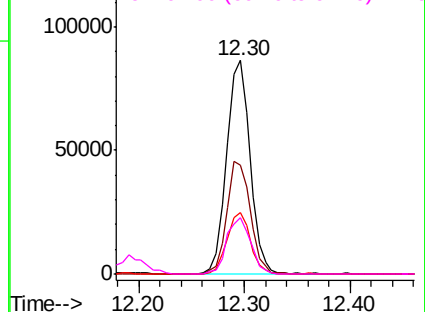


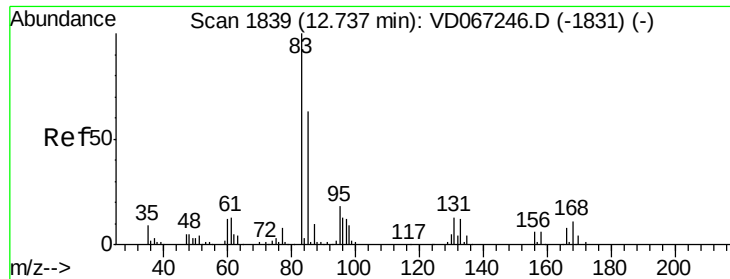
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 51.465 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067249.D

Acq: 13 Oct 2020 13:38

Instrument :

MSVOA_D

ClientSampleId :

ICVVD101320

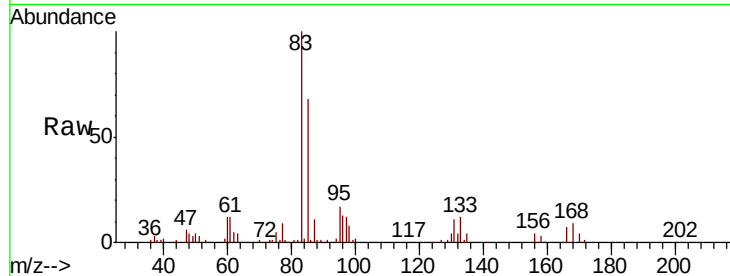
Tot Ion: 83 Resp: 126770

Ion Ratio Lower Upper

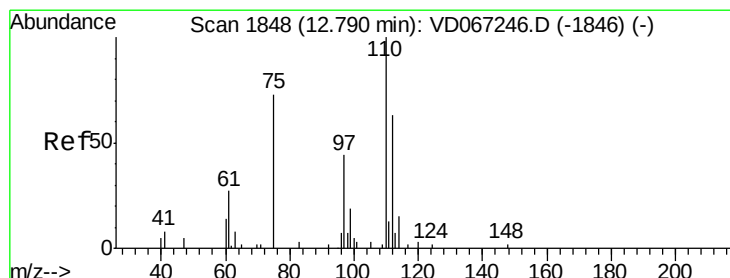
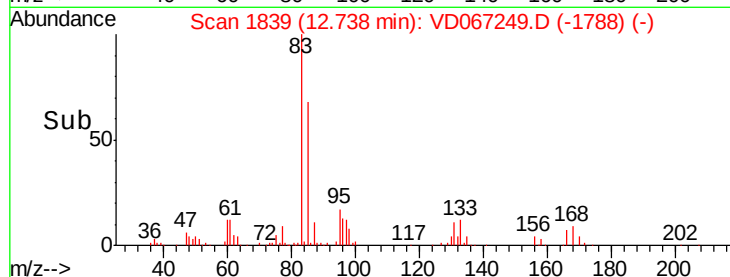
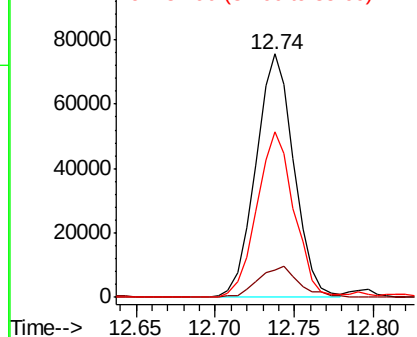
83 100

131 13.6 6.5 19.5

85 66.4 32.6 97.7



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 130.80 (130.50 to 131.50): VDC
Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 97.637 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD067249.D

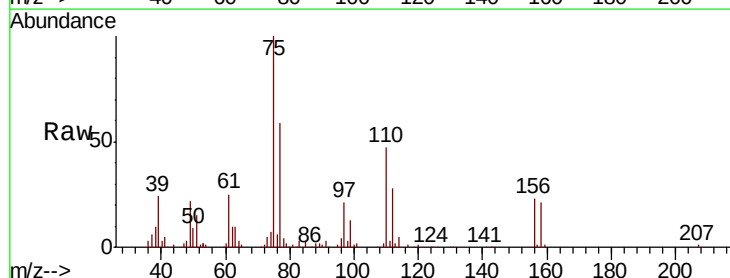
Acq: 13 Oct 2020 13:38

Tgt Ion: 75 Resp: 171413

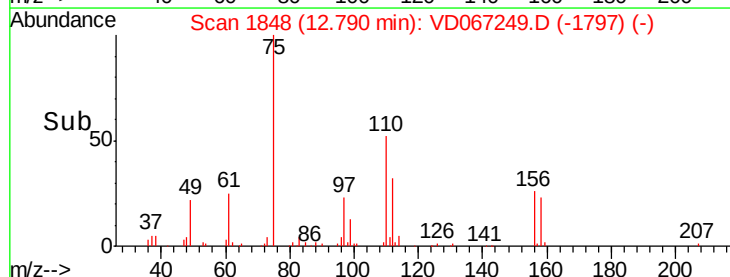
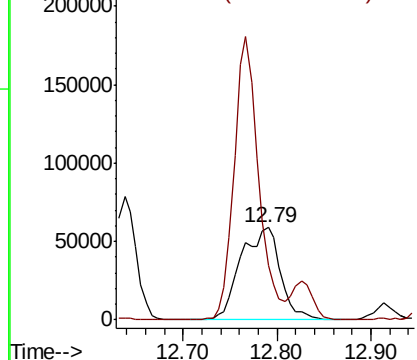
Ion Ratio Lower Upper

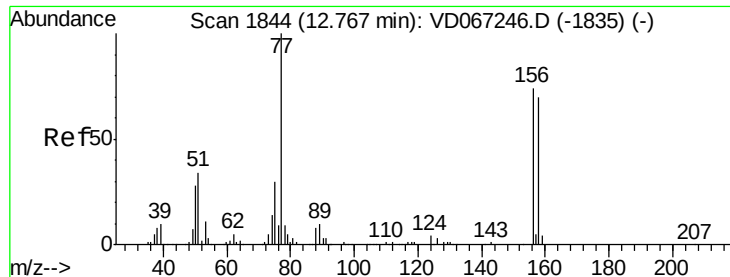
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 51.345 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067249.D

Acq: 13 Oct 2020 13:38

Instrument :

MSVOA_D

ClientSampleId :

ICVVD101320

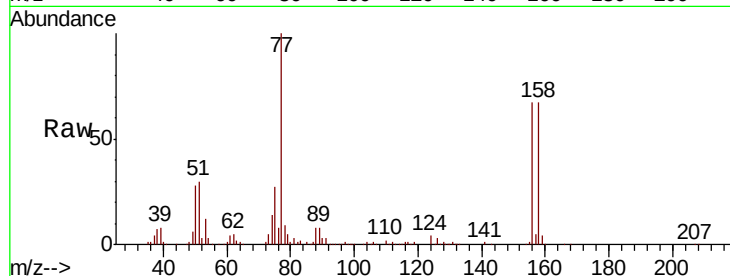
Tot Ion:156 Resp: 205790

Ion Ratio Lower Upper

156 100

77 159.4 78.0 233.8

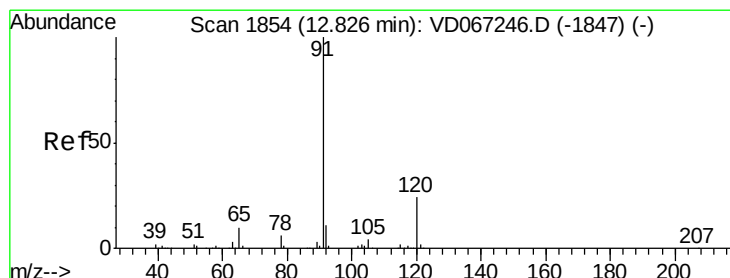
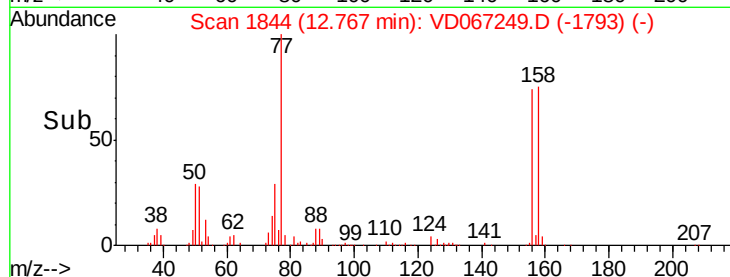
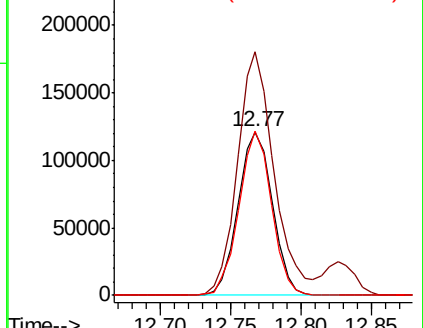
158 95.6 49.1 147.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.316 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067249.D

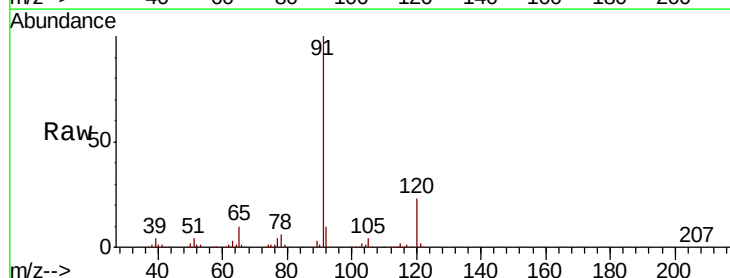
Acq: 13 Oct 2020 13:38

Tgt Ion: 91 Resp: 993077

Ion Ratio Lower Upper

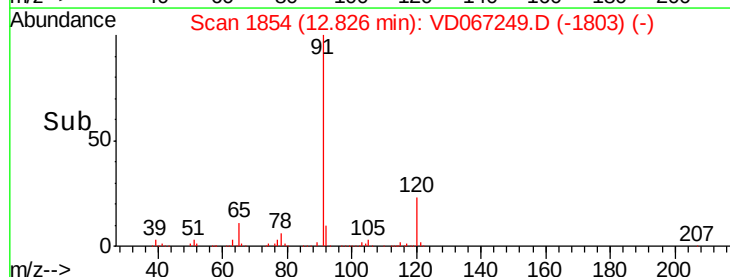
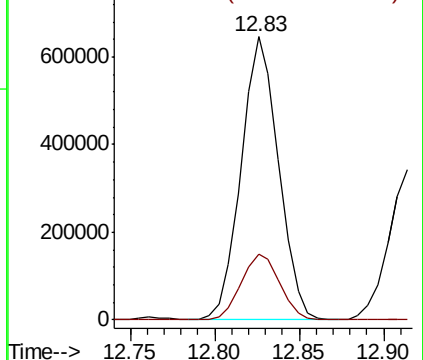
91 100

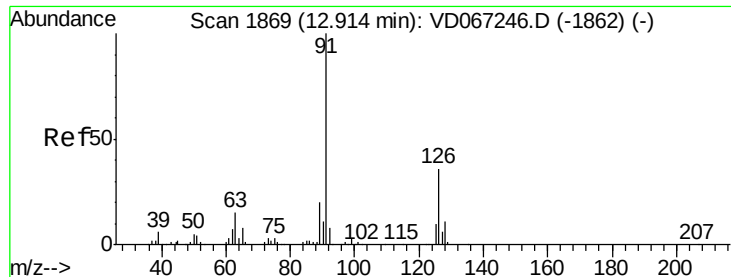
120 24.0 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.186 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD067249.D

Acq: 13 Oct 2020 13:38

Instrument :

MSVOA_D

ClientSampleId :

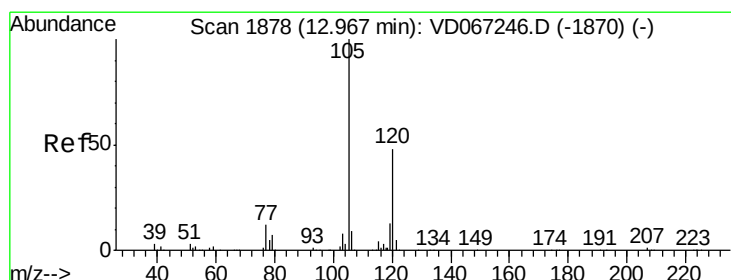
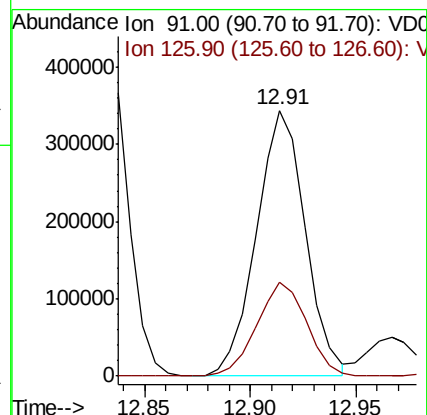
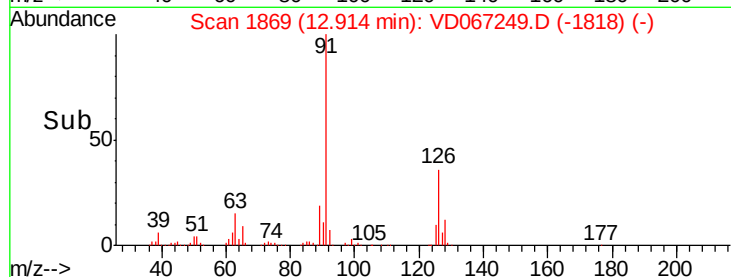
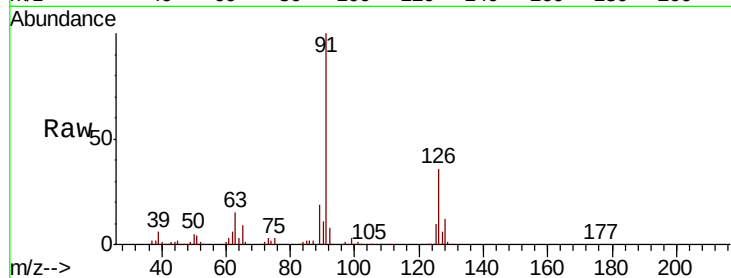
ICVVD101320

Tot Ion: 91 Resp: 552894

Ion Ratio Lower Upper

91 100

126 36.3 17.6 52.8



#80

1,3,5-Trimethylbenzene

Concen: 52.393 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD067249.D

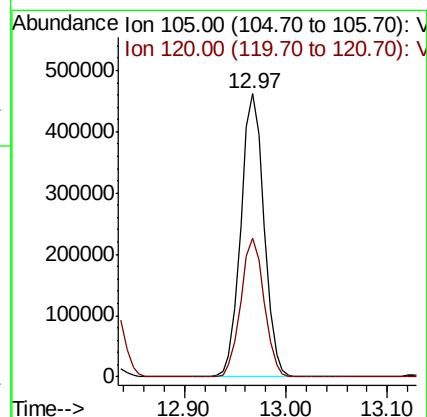
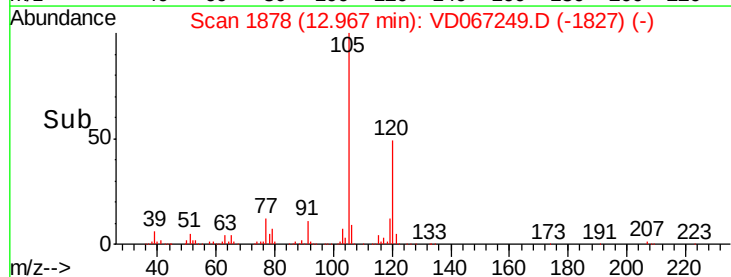
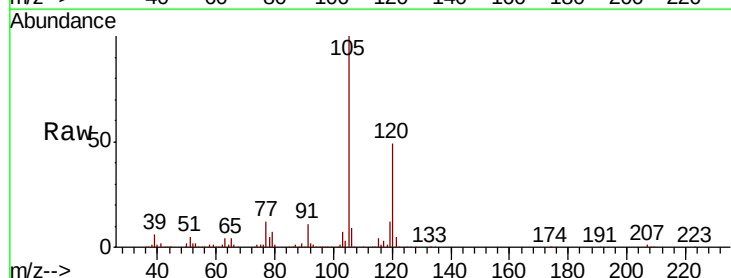
Acq: 13 Oct 2020 13:38

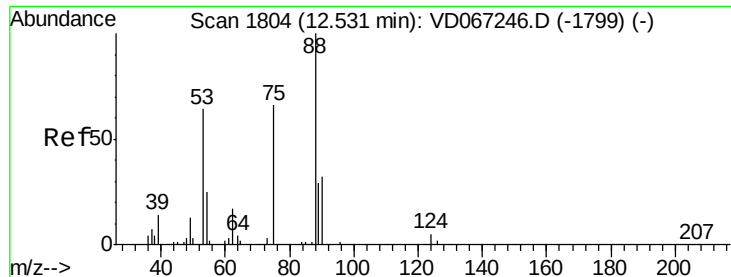
Tgt Ion: 105 Resp: 731930

Ion Ratio Lower Upper

105 100

120 49.3 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 53.358 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD067249.D

Acq: 13 Oct 2020 13:38

Instrument :

MSVOA_D

ClientSampleId :

ICVVD101320

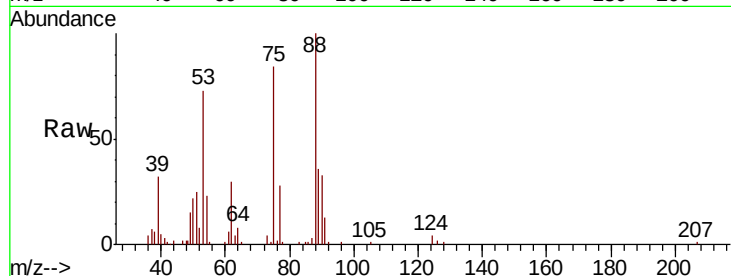
Tot Ion: 75 Resp: 41309

Ion Ratio Lower Upper

75 100

53 89.9 78.5 117.7

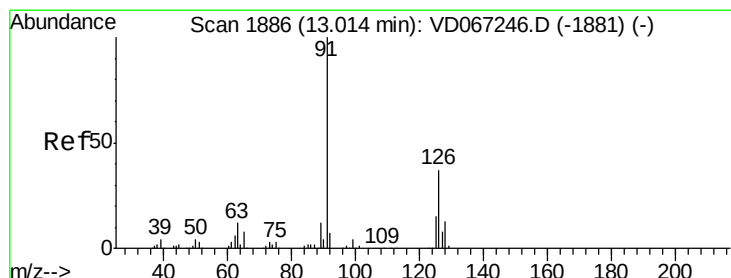
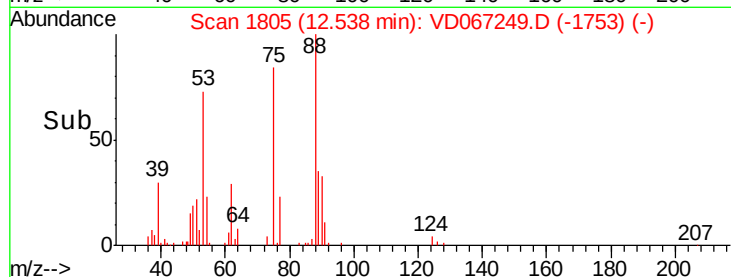
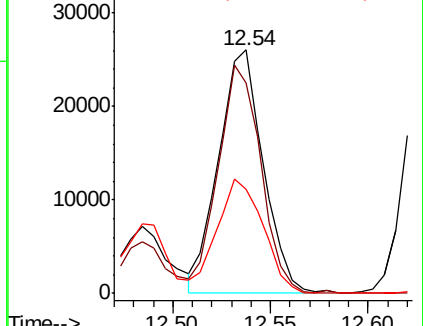
89 48.4 39.9 59.9



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 52.195 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD067249.D

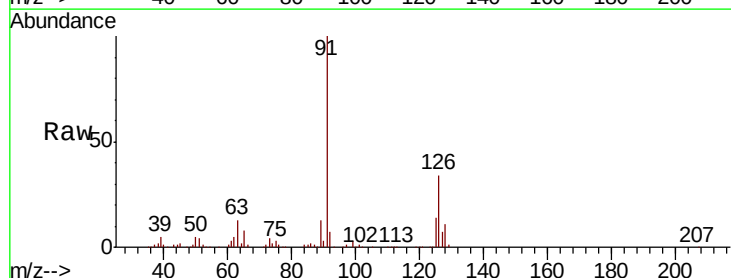
Acq: 13 Oct 2020 13:38

Tgt Ion: 91 Resp: 598388

Ion Ratio Lower Upper

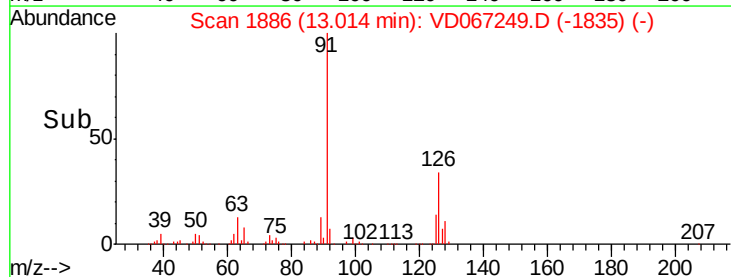
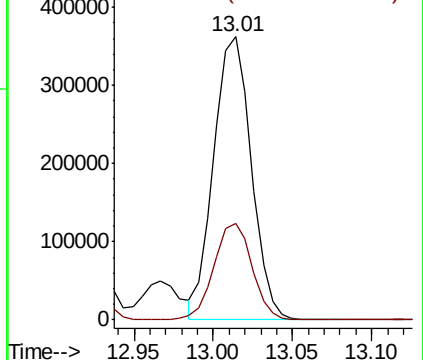
91 100

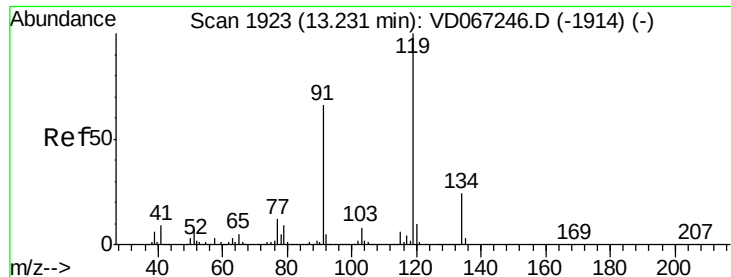
126 34.5 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

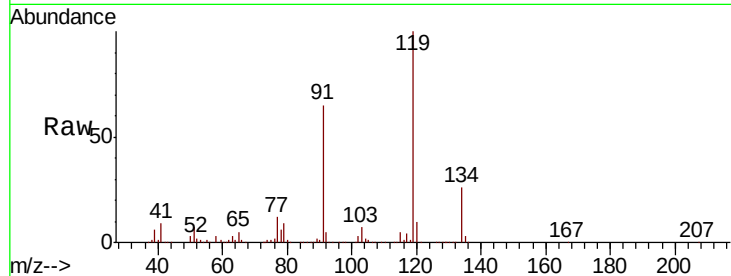




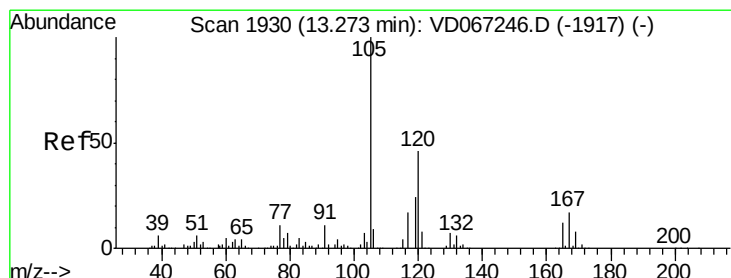
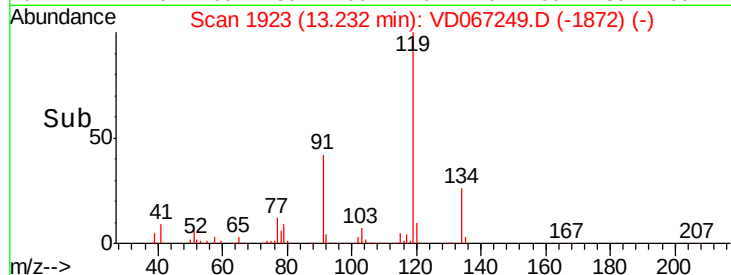
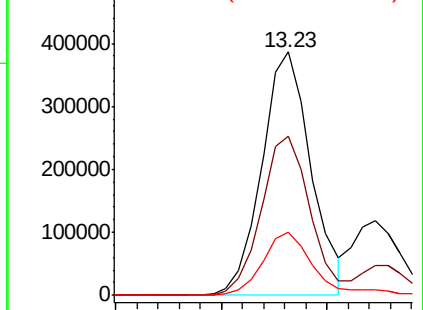
#83
 tert-Butylbenzene
 Concen: 53.167 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD067249.D
 Acq: 13 Oct 2020 13:38

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD101320

Tot Ion:119 Resp: 627406
 Ion Ratio Lower Upper
 119 100
 91 65.6 33.1 99.2
 134 27.0 13.3 39.9

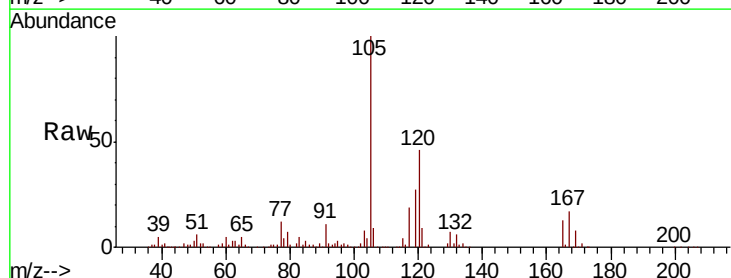


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

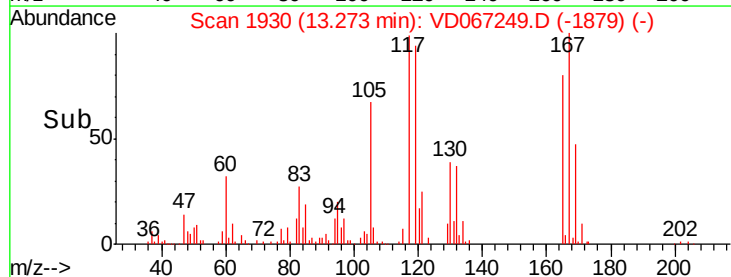
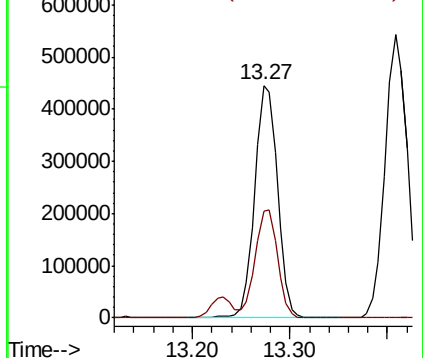


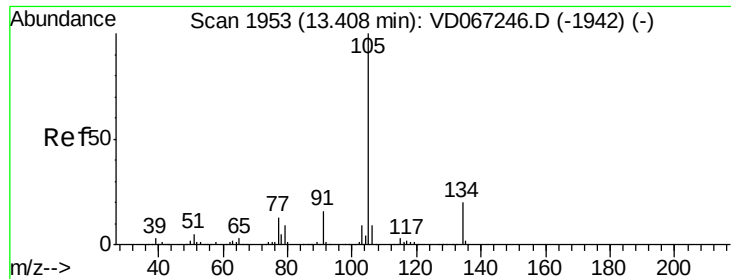
#84
 1,2,4-Trimethylbenzene
 Concen: 52.877 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD067249.D
 Acq: 13 Oct 2020 13:38

Tgt Ion:105 Resp: 730104
 Ion Ratio Lower Upper
 105 100
 120 46.1 22.4 67.3



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 53.206 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD067249.D

Acq: 13 Oct 2020 13:38

Instrument :

MSVOA_D

ClientSampleId :

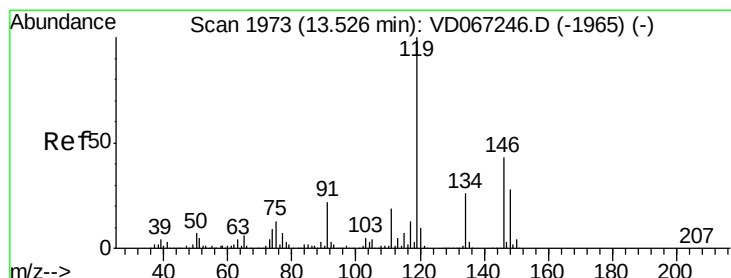
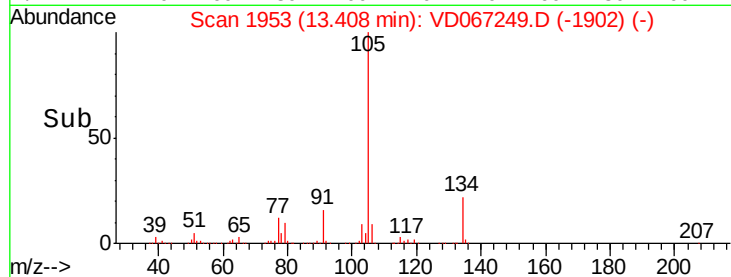
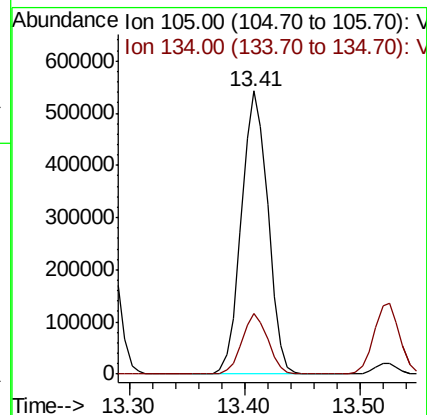
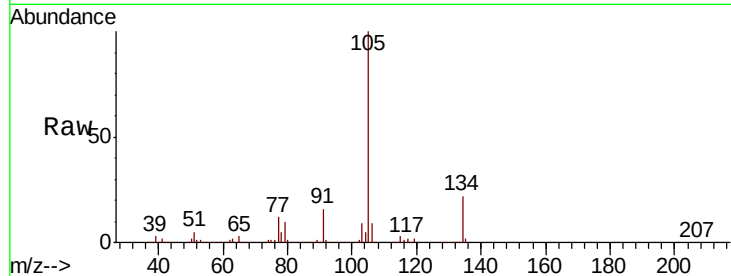
ICVVD101320

Tot Ion:105 Resp: 861525

Ion Ratio Lower Upper

105 100

134 20.9 10.5 31.5



#86

p-Isopropyltoluene

Concen: 52.436 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD067249.D

Acq: 13 Oct 2020 13:38

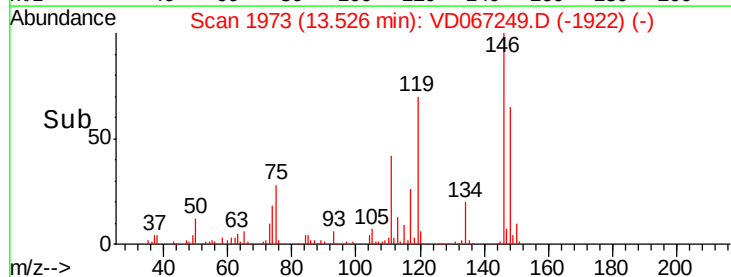
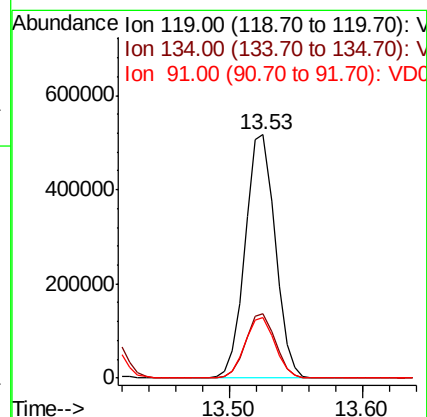
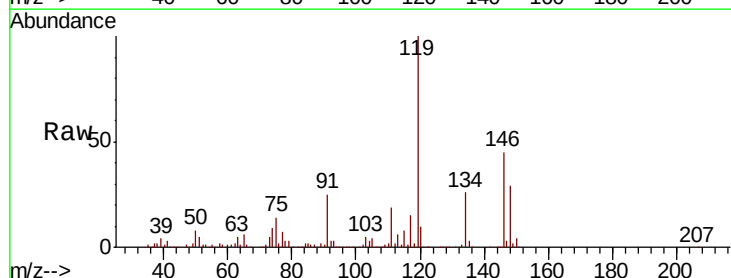
Tgt Ion:119 Resp: 801405

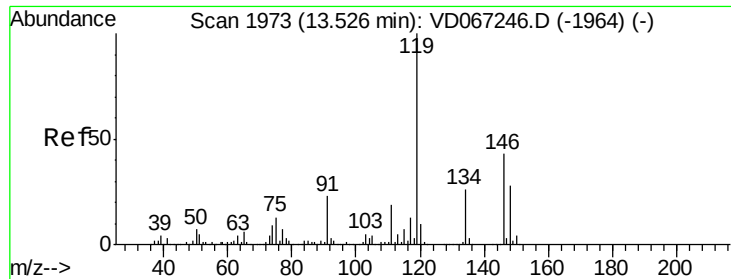
Ion Ratio Lower Upper

119 100

134 26.3 13.1 39.3

91 24.9 11.9 35.9

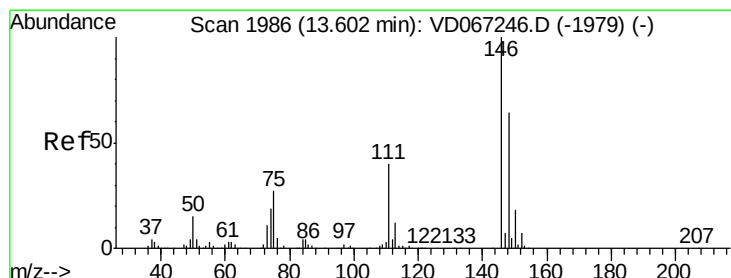
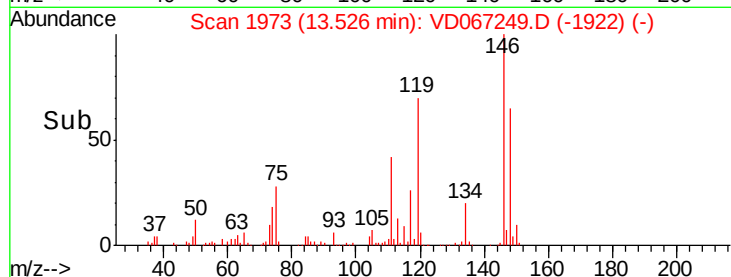
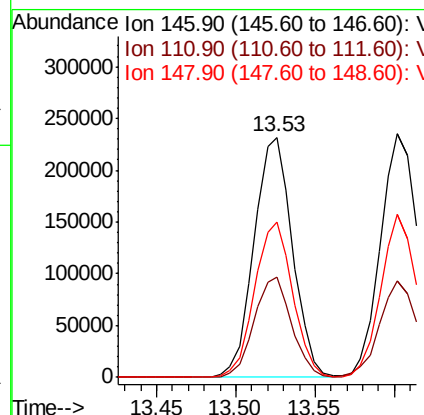
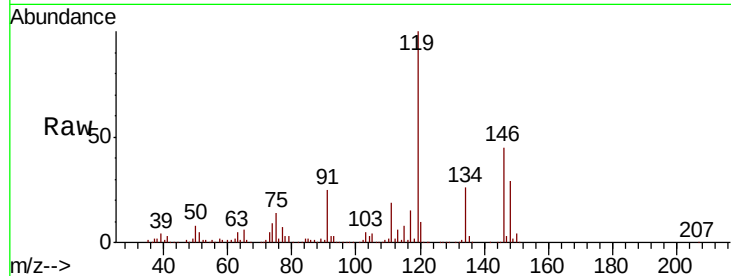




#87
 1,3-Dichlorobenzene
 Concen: 50.661 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD067249.D
 Acq: 13 Oct 2020 13:38

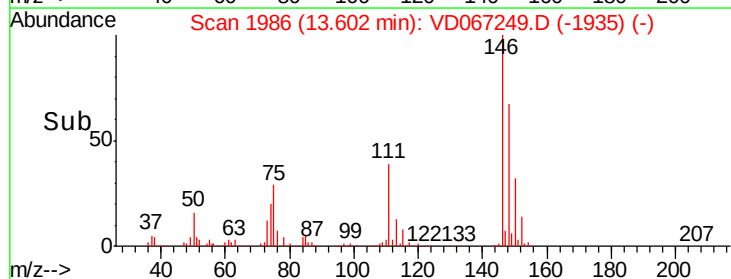
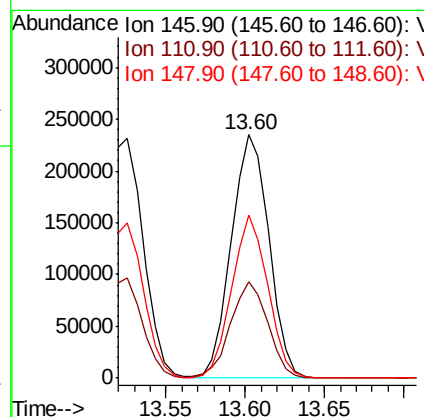
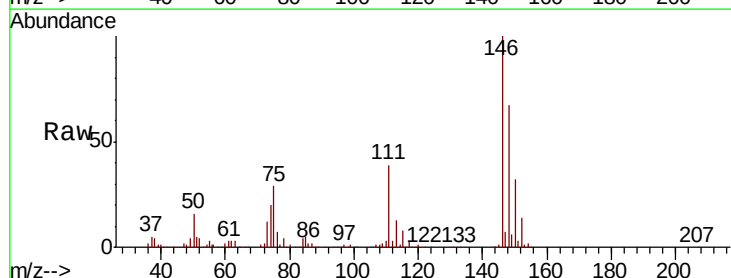
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD101320

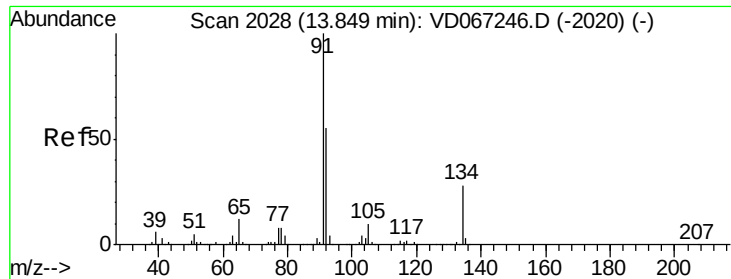
Tot Ion:146 Resp: 390819
 Ion Ratio Lower Upper
 146 100
 111 40.7 21.1 63.3
 148 64.2 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 50.602 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD067249.D
 Acq: 13 Oct 2020 13:38

Tgt Ion:146 Resp: 386753
 Ion Ratio Lower Upper
 146 100
 111 39.3 19.9 59.7
 148 64.1 31.9 95.9

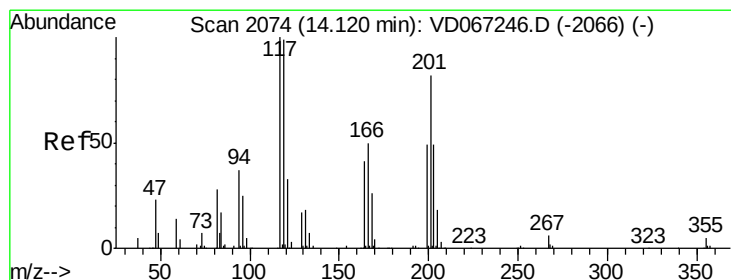
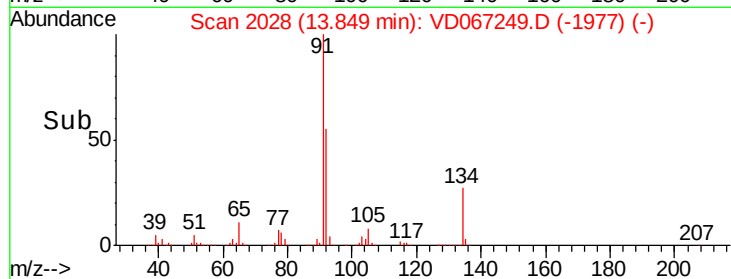
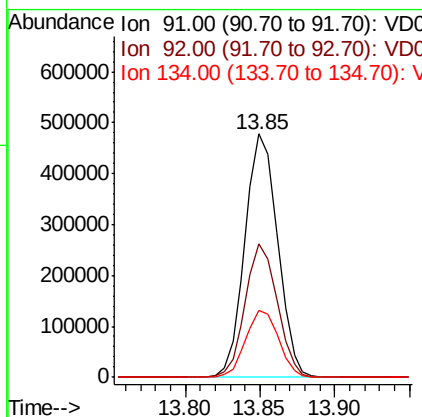
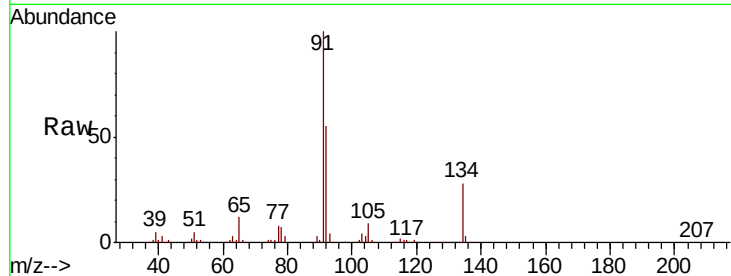




#89
n-Butylbenzene
Concen: 53.988 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067249.D
Acq: 13 Oct 2020 13:38

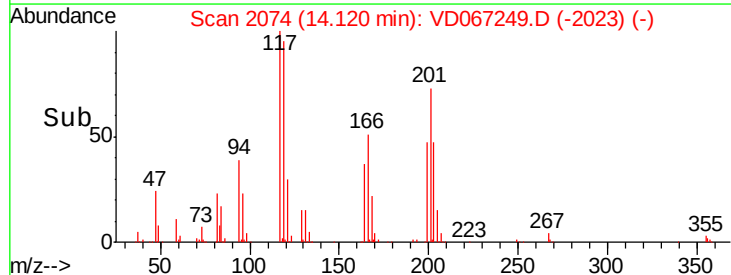
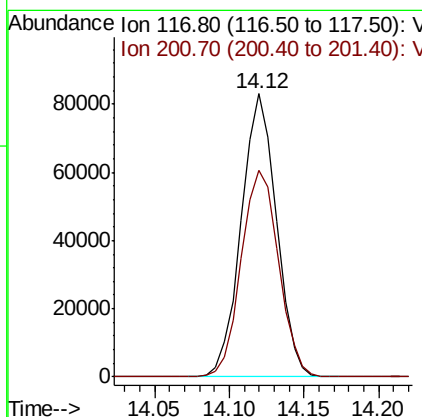
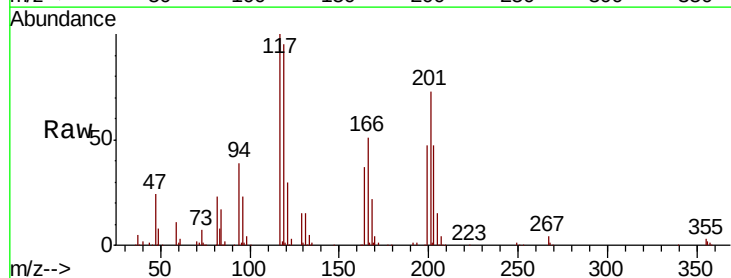
Instrument :
MSVOA_D
ClientSampleId :
ICVVD101320

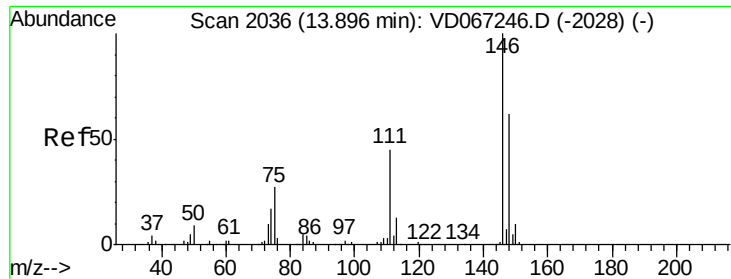
Tot Ion: 91 Resp: 725899
Ion Ratio Lower Upper
91 100
92 53.7 26.7 80.0
134 27.7 14.2 42.6



#90
Hexachloroethane
Concen: 50.874 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD067249.D
Acq: 13 Oct 2020 13:38

Tgt Ion: 117 Resp: 135684
Ion Ratio Lower Upper
117 100
201 77.6 40.8 122.2

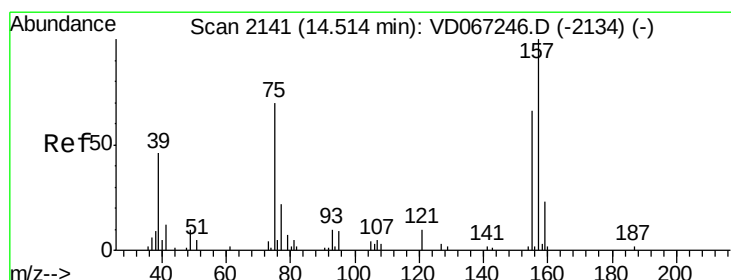
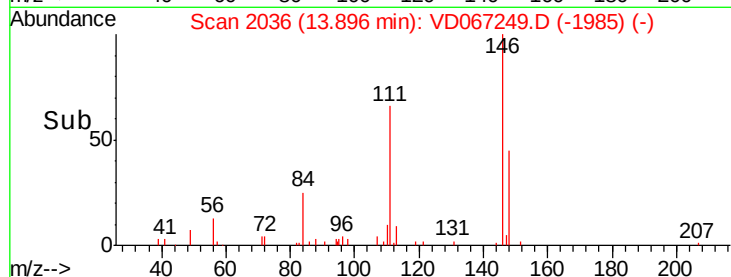
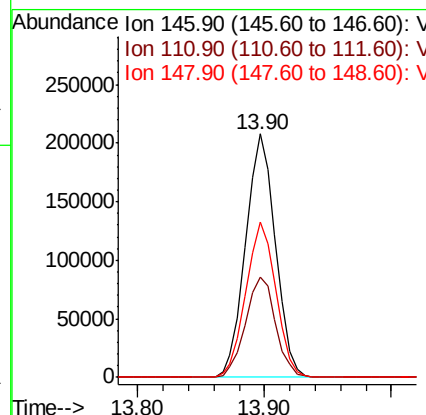
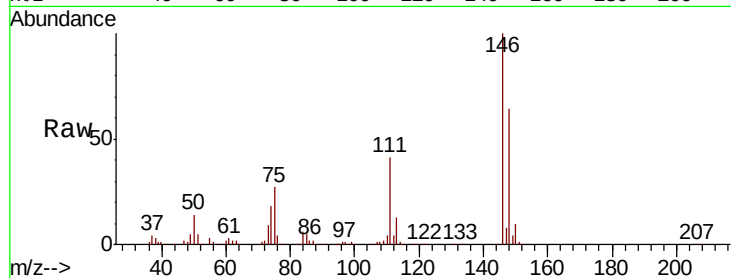




#91
 1,2-Dichlorobenzene
 Concen: 50.438 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067249.D
 Acq: 13 Oct 2020 13:38

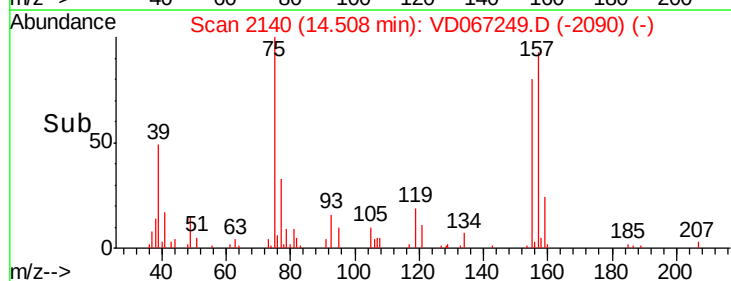
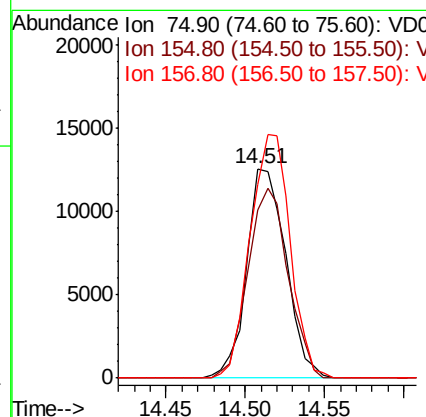
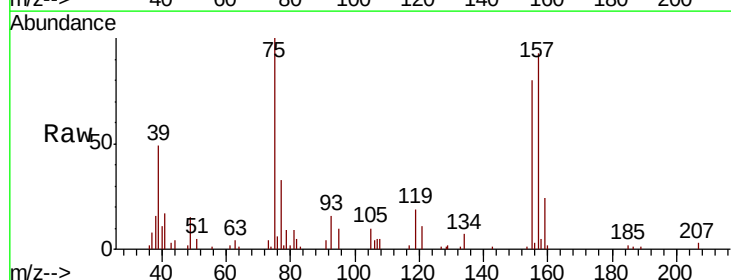
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD101320

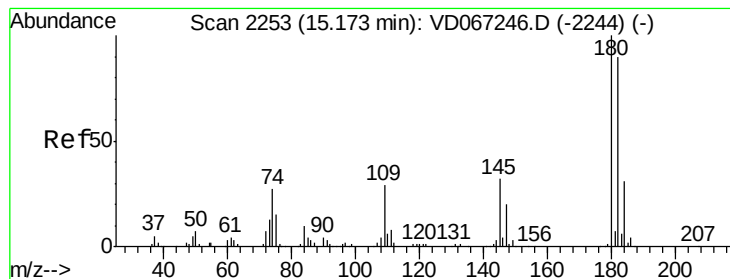
Tot Ion:146 Resp: 339910
 Ion Ratio Lower Upper
 146 100
 111 41.5 22.0 66.0
 148 64.2 32.5 97.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.304 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD067249.D
 Acq: 13 Oct 2020 13:38

Tgt Ion: 75 Resp: 21616
 Ion Ratio Lower Upper
 75 100
 155 93.2 44.8 134.4
 157 119.2 62.5 187.4





#93

1,2,4-Trichlorobenzene

Concen: 54.773 ug/l

RT: 15.17 min Scan# 2253

Delta R.T. 0.00 min

Lab File: VD067249.D

Acq: 13 Oct 2020 13:38

Instrument :

MSVOA_D

ClientSampleId :

ICVVD101320

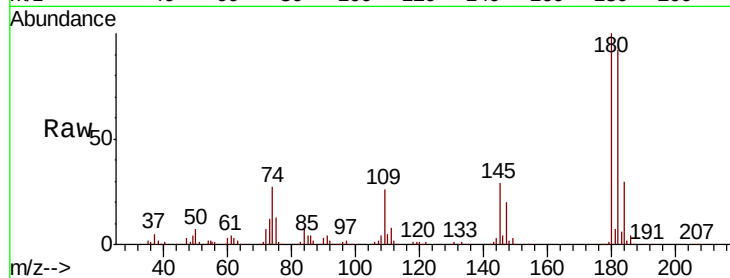
Tot Ion:180 Resp: 248876

Ion Ratio Lower Upper

180 100

182 94.2 48.1 144.4

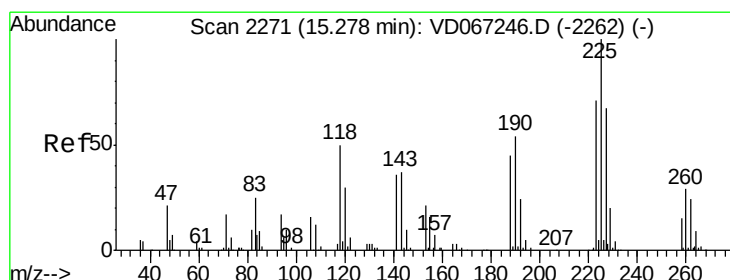
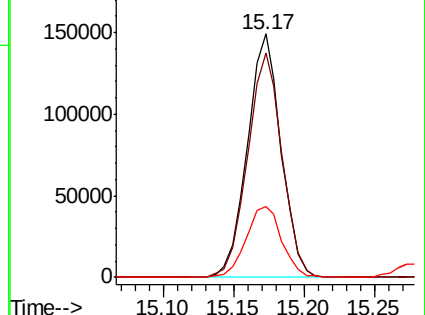
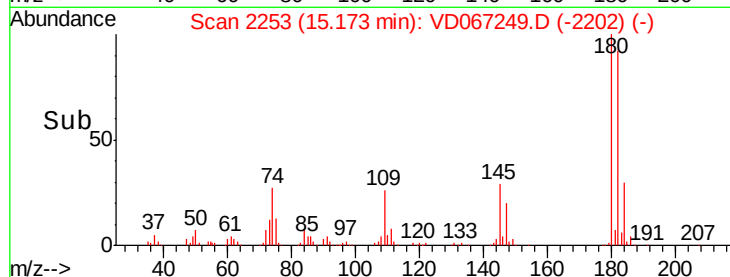
145 30.8 16.3 48.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 54.134 ug/l

RT: 15.28 min Scan# 2271

Delta R.T. 0.00 min

Lab File: VD067249.D

Acq: 13 Oct 2020 13:38

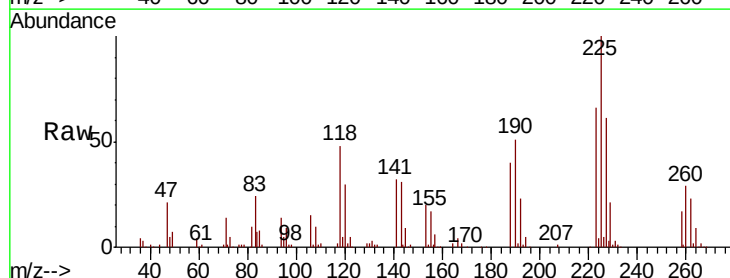
Tgt Ion:225 Resp: 152746

Ion Ratio Lower Upper

225 100

223 63.4 31.9 95.7

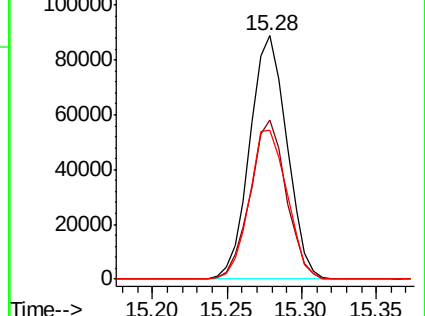
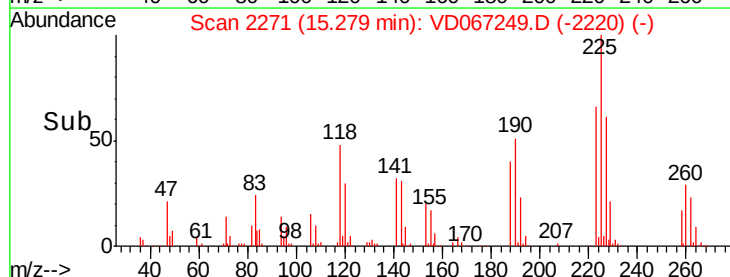
227 62.2 31.2 93.6

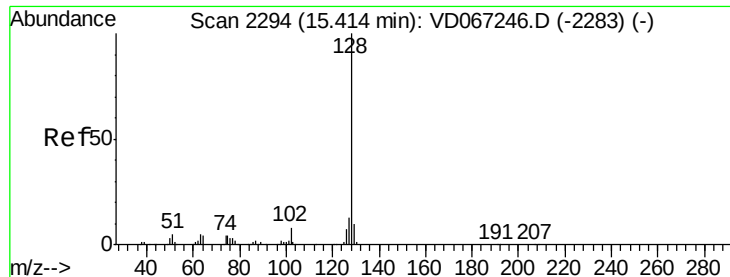


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

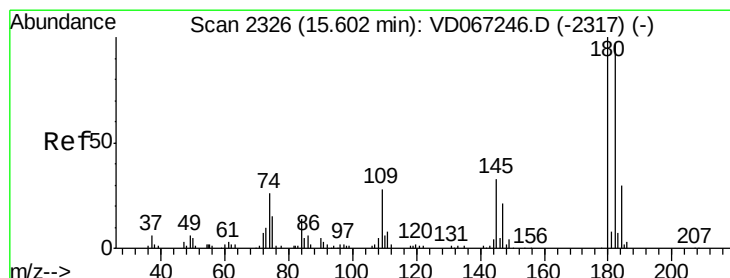
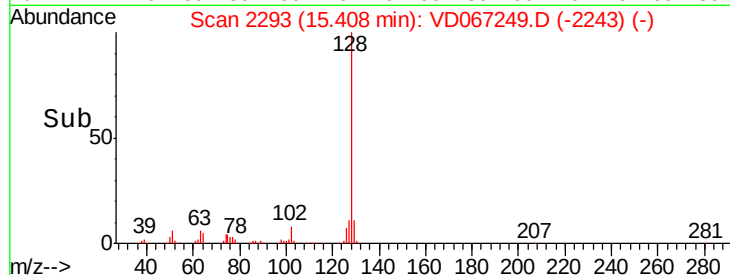
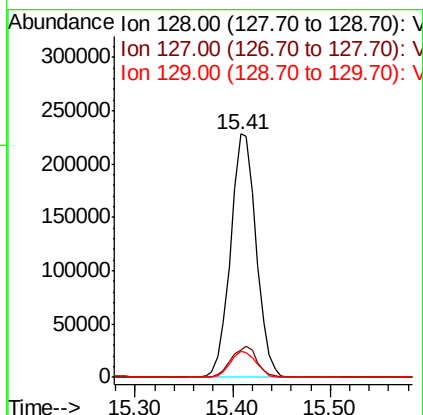
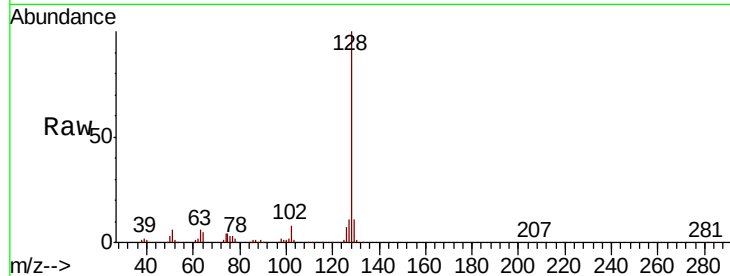




#95
Naphthalene
Concen: 55.381 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD067249.D
Acq: 13 Oct 2020 13:38

Instrument :
MSVOA_D
ClientSampleId :
ICVVD101320

Tot Ion:128 Resp: 413145
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 10.9 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 53.334 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD067249.D
Acq: 13 Oct 2020 13:38

Tgt Ion:180 Resp: 209357
Ion Ratio Lower Upper
180 100
182 97.4 48.1 144.3
145 33.9 17.3 51.9

