

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD101320\
 Data File : VD067247.D
 Acq On : 13 Oct 2020 12:16
 Operator : VA/SY
 Sample : VSTDICC100
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Quant Time: Oct 13 12:44:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 13 12:22:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	356705	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	523397	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	482067	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	241044	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	338973	92.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	185.00%	
35) Dibromofluoromethane	7.92	113	352141	101.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	202.08%	
50) Toluene-d8	10.34	98	1249079	98.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	196.54%	
62) 4-Bromofluorobenzene	12.64	95	432382	97.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	195.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	271149	77.448	ug/l	95
3) Chloromethane	2.21	50	201191	85.690	ug/l	94
4) Vinyl Chloride	2.35	62	216754	83.520	ug/l	98
5) Bromomethane	2.76	94	159885	78.608	ug/l	99
6) Chloroethane	2.91	64	133415	82.139	ug/l	100
7) Trichlorofluoromethane	3.27	101	552591	84.730	ug/l	96
8) Diethyl Ether	3.71	74	133264	91.698	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.10	101	295514	85.318	ug/l	99
10) Methyl Iodide	4.30	142	327837	114.557	ug/l	99
11) Tert butyl alcohol	5.23	59	83889	273.315	ug/l #	91
12) 1,1-Dichloroethene	4.07	96	271631	89.173	ug/l	97
13) Acrolein	3.92	56	110684	671.148	ug/l	98
14) Allyl chloride	4.71	41	325799	95.865	ug/l	98
15) Acrylonitrile	5.43	53	232115	484.202	ug/l	99
16) Acetone	4.16	43	234059	454.021	ug/l	99
17) Carbon Disulfide	4.41	76	765669	88.022	ug/l	96
18) Methyl Acetate	4.72	43	105356	88.999	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	575046	97.962	ug/l	98
20) Methylene Chloride	4.97	84	301446	72.650	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	319623	91.724	ug/l	97
22) Diisopropyl ether	6.36	45	590635	94.263	ug/l	100
23) Vinyl Acetate	6.31	43	1847274	543.326	ug/l	98
24) 1,1-Dichloroethane	6.26	63	484076	88.673	ug/l	99
25) 2-Butanone	7.21	43	276205	476.903	ug/l #	88
26) 2,2-Dichloropropane	7.21	77	487621	85.562	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	345831	90.399	ug/l	97
28) Bromochloromethane	7.55	49	175165	96.177	ug/l #	99
29) Tetrahydrofuran	7.57	42	156364	489.888	ug/l	98
30) Chloroform	7.71	83	575041	87.833	ug/l	89
31) Cyclohexane	7.99	56	357243	81.480	ug/l	94
32) 1,1,1-Trichloroethane	7.91	97	562661	87.561	ug/l	98
36) 1,1-Dichloropropene	8.11	75	421642	92.085	ug/l	99
37) Ethyl Acetate	7.30	43	129666	97.682	ug/l #	93
38) Carbon Tetrachloride	8.10	117	533610	90.906	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	454491	96.810	ug/l	99
40) Benzene	8.36	78	1140602	90.407	ug/l	98
41) Methacrylonitrile	7.53	41	81428	143.766	ug/l #	72
42) 1,2-Dichloroethane	8.43	62	356698	90.492	ug/l	99
43) Isopropyl Acetate	8.46	43	256846	98.743	ug/l	100
44) Trichloroethene	9.11	130	362722	89.973	ug/l	98
45) 1,2-Dichloropropane	9.39	63	265530	91.651	ug/l	98
46) Dibromomethane	9.48	93	164600	90.237	ug/l	96
47) Bromodichloromethane	9.66	83	449658	93.081	ug/l	94
48) Methyl methacrylate	9.46	41	124580	98.313	ug/l	94
49) 1,4-Dioxane	9.46	88	33883	1751.224	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	629070	476.595	ug/l	100
52) Toluene	10.41	92	790111	92.513	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	405465	96.496	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	467625	94.992	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	218835	87.372	ug/l	99
56) Ethyl methacrylate	10.66	69	257186	105.095	ug/l	99
57) 1,3-Dichloropropane	10.95	76	364049	92.845	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	666304	528.600	ug/l	98
59) 2-Hexanone	10.98	43	441817	497.081	ug/l	97
60) Dibromochloromethane	11.14	129	329537	91.098	ug/l	100
61) 1,2-Dibromoethane	11.25	107	226118	92.733	ug/l	100
64) Tetrachloroethene	10.88	164	317048	86.305	ug/l	97
65) Chlorobenzene	11.67	112	866286	90.343	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	345732	90.800	ug/l	99
67) Ethyl Benzene	11.75	91	1536198	95.220	ug/l	99
68) m/p-Xylenes	11.86	106	1164156	185.732	ug/l	98
69) o-Xylene	12.18	106	538217	92.867	ug/l	98
70) Styrene	12.20	104	936078	93.997	ug/l	99
71) Bromoform	12.37	173	186451	91.562	ug/l #	99
73) Isopropylbenzene	12.48	105	1518665	98.524	ug/l	100
74) N-amyl acetate	12.30	43	233432	101.682	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	225600	93.621	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	306477	177.780	ug/l #	100
77) Bromobenzene	12.77	156	361757	92.204	ug/l	98
78) n-propylbenzene	12.83	91	1699021	93.724	ug/l	100
79) 2-Chlorotoluene	12.91	91	968425	91.639	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	1286606	94.859	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	71850	96.798	ug/l	97
82) 4-Chlorotoluene	13.01	91	1029439	91.280	ug/l	99
83) tert-Butylbenzene	13.23	119	1108916	97.929	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	1282963	96.129	ug/l	99
85) sec-Butylbenzene	13.41	105	1487132	94.699	ug/l	100
86) p-Isopropyltoluene	13.53	119	1408387	94.890	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	668952	87.081	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	680219	90.292	ug/l	99
89) n-Butylbenzene	13.85	91	1255222	96.927	ug/l	100
90) Hexachloroethane	14.12	117	243053	94.388	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	601392	90.495	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	40970	94.391	ug/l	95

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Quant Title : SW846 8260
QLast Update : Tue Oct 13 12:22:10 2020
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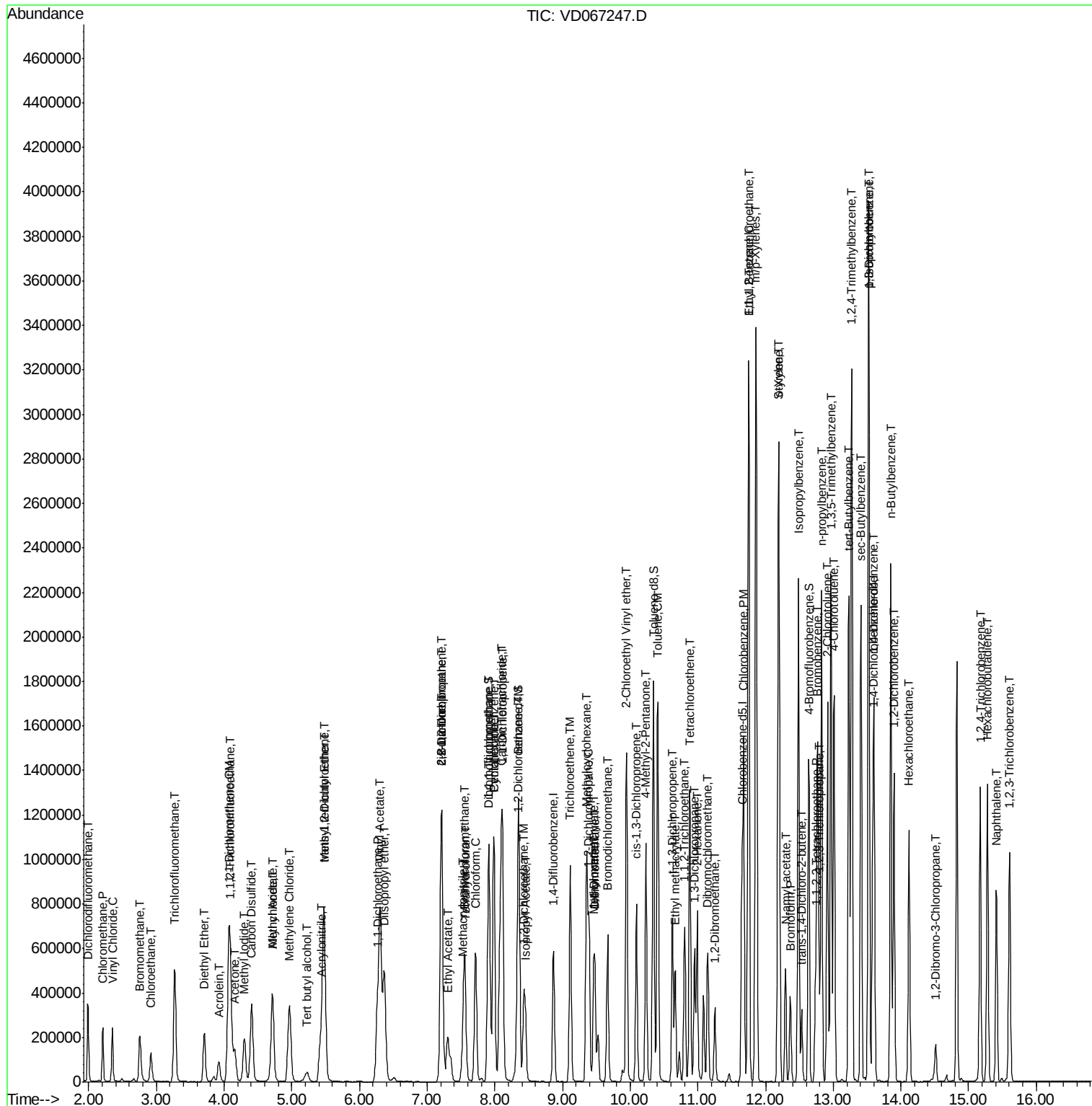
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	431166	99.714	ug/l	99
94) Hexachlorobutadiene	15.28	225	262394	96.680	ug/l	99
95) Naphthalene	15.41	128	777145	114.506	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	378892	102.042	ug/l	100

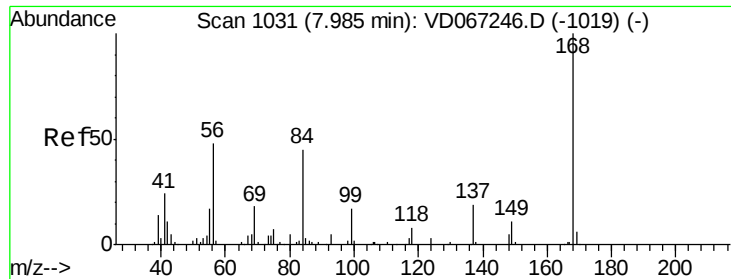
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067247.D

Acq: 13 Oct 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

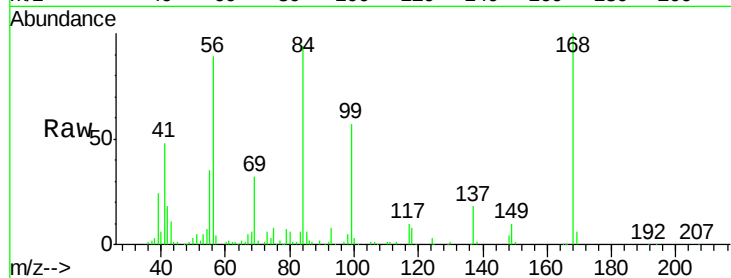
VSTDIC100

Tgt Ion:168 Resp: 356705

Ion Ratio Lower Upper

168 100

99 56.8 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

150000

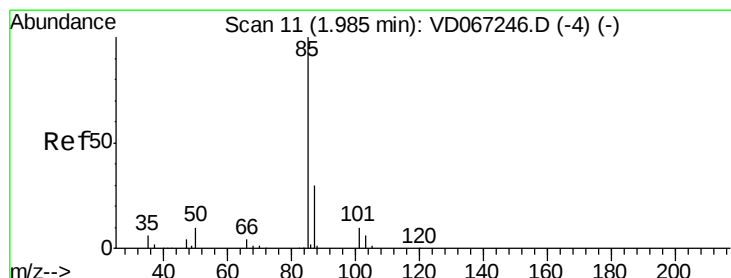
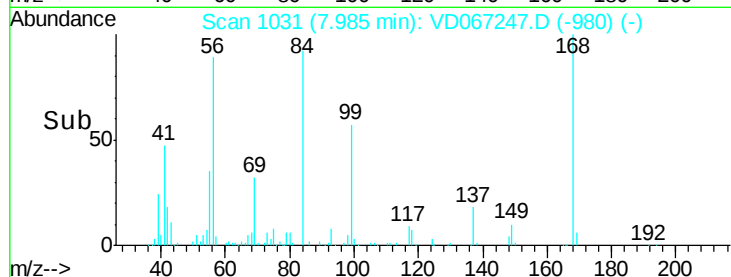
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 77.448 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067247.D

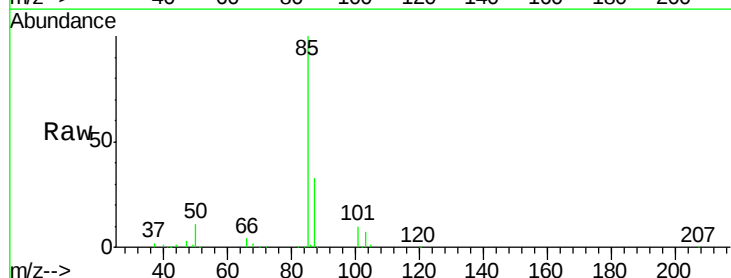
Acq: 13 Oct 2020 12:16

Tgt Ion: 85 Resp: 271149

Ion Ratio Lower Upper

85 100

87 33.0 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

200000

150000

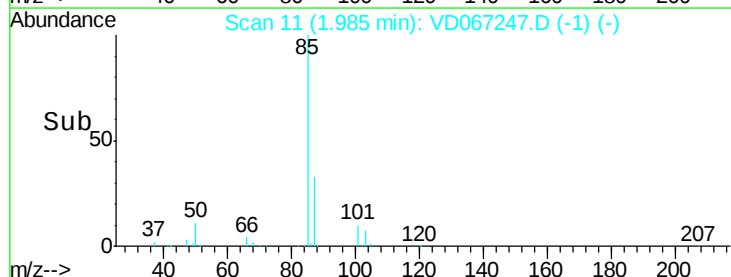
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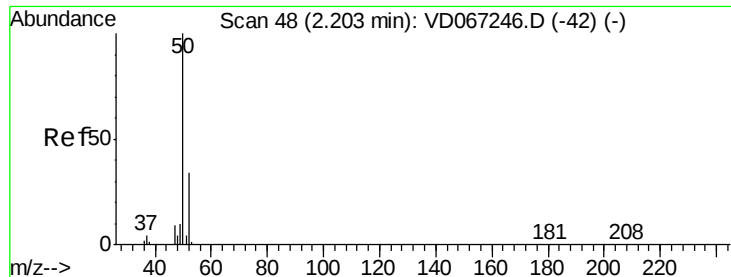
50000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 85.690 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD067247.D

Acq: 13 Oct 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

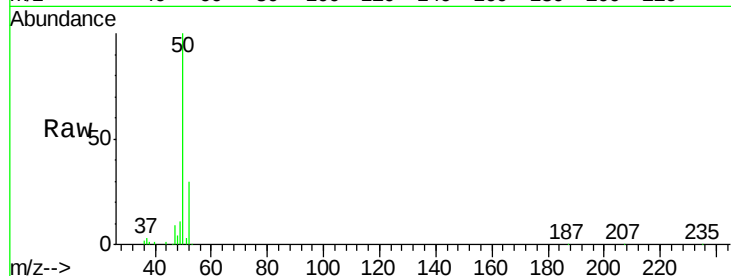
VSTDICC100

Tgt Ion: 50 Resp: 201191

Ion Ratio Lower Upper

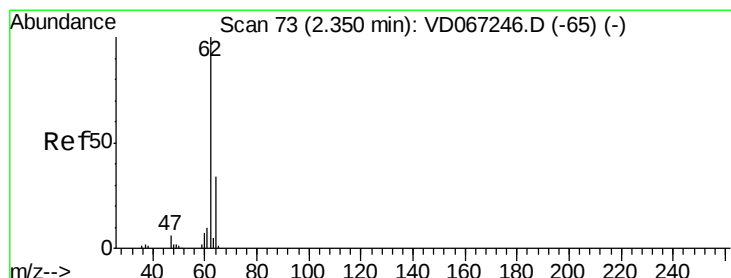
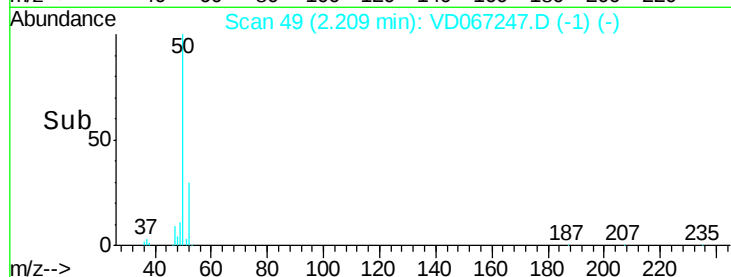
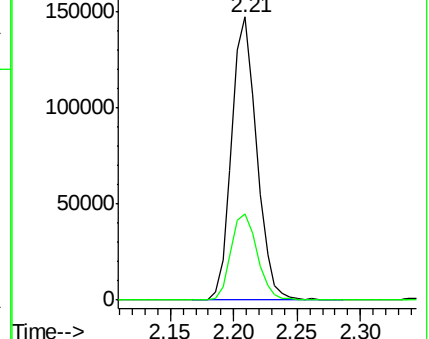
50 100

52 30.5 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: 83.520 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067247.D

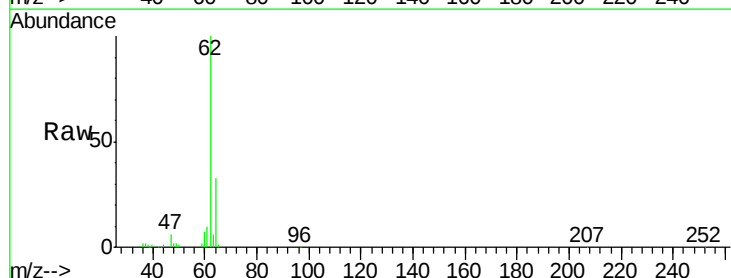
Acq: 13 Oct 2020 12:16

Tgt Ion: 62 Resp: 216754

Ion Ratio Lower Upper

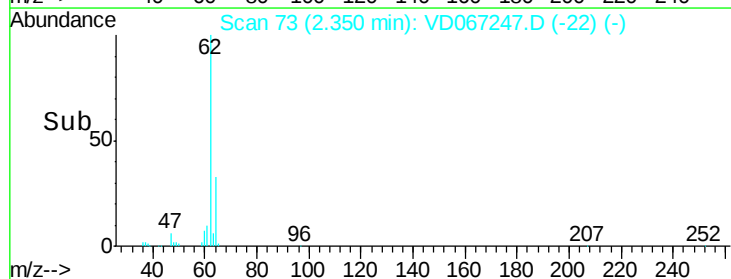
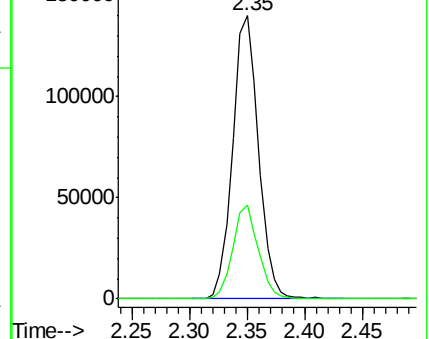
62 100

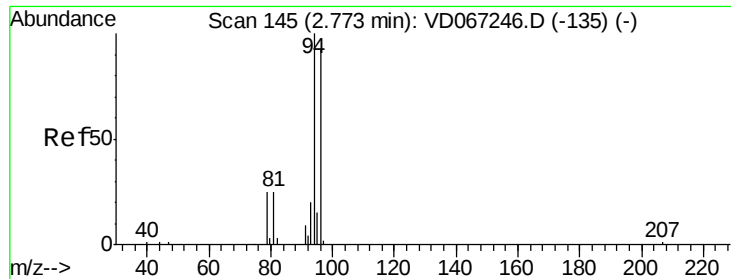
64 33.0 27.4 41.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 78.608 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD067247.D

Acq: 13 Oct 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

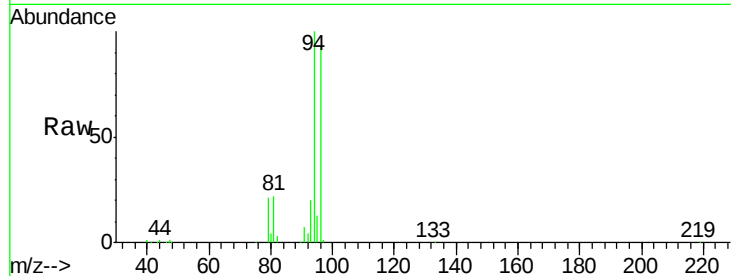
VSTDICC100

Tgt Ion: 94 Resp: 159885

Ion Ratio Lower Upper

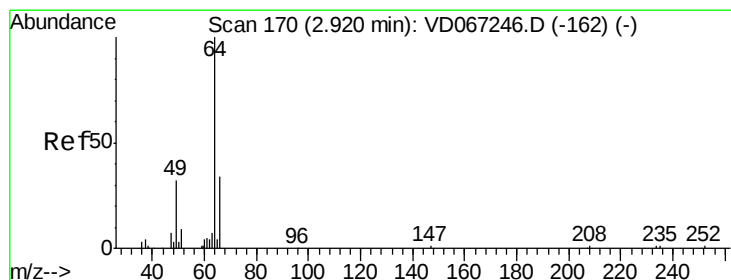
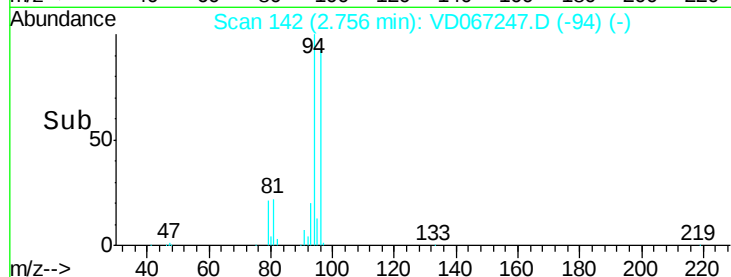
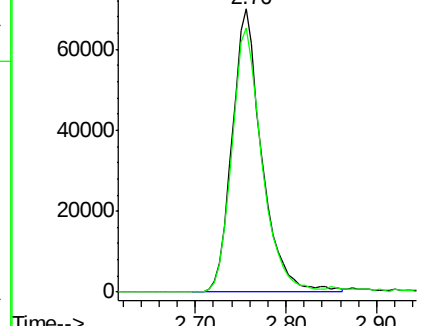
94 100

96 93.4 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: 82.139 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD067247.D

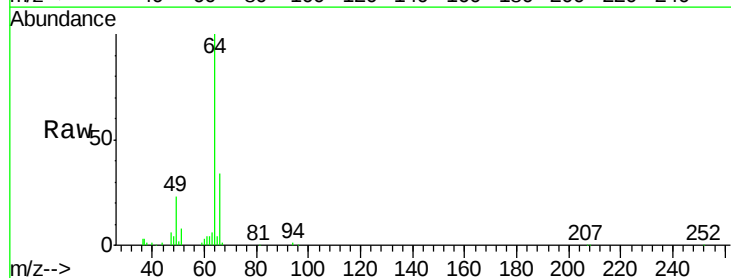
Acq: 13 Oct 2020 12:16

Tgt Ion: 64 Resp: 133415

Ion Ratio Lower Upper

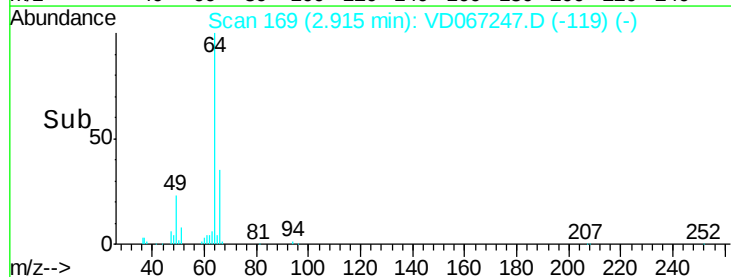
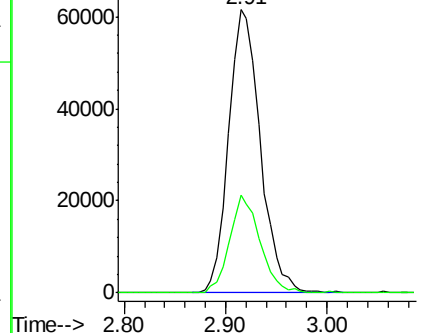
64 100

66 34.5 27.4 41.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



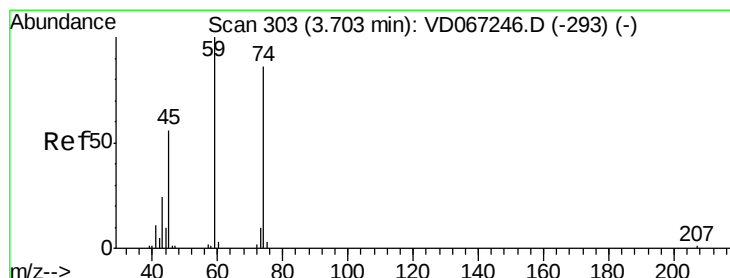
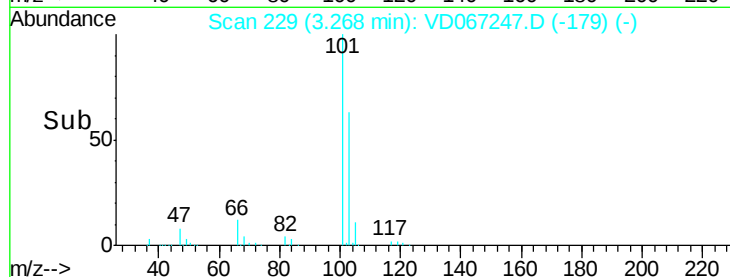
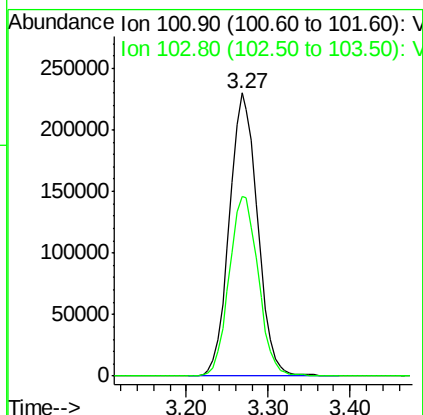
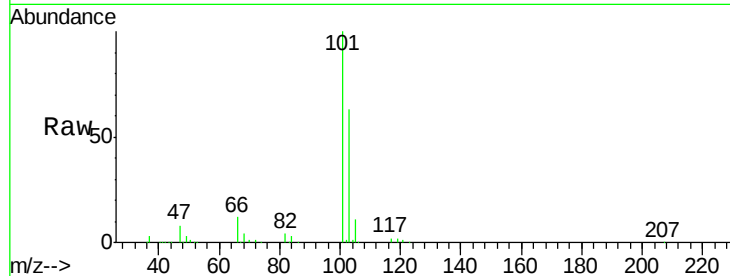


#7

Trichlorofluoromethane
 Concen: 84.730 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD067247.D
 Acq: 13 Oct 2020 12:16

Instrument :
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 VSTDIC100

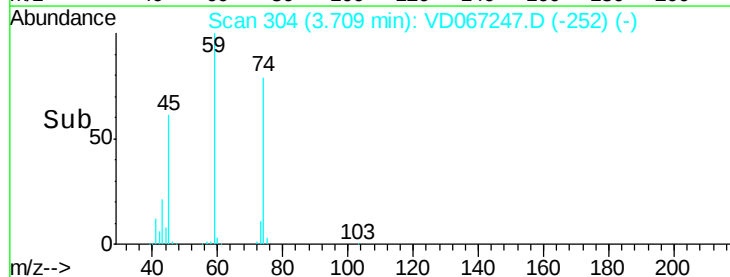
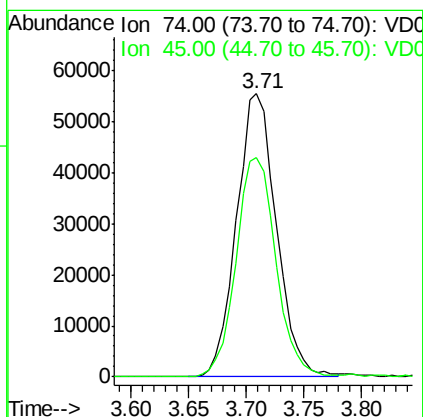
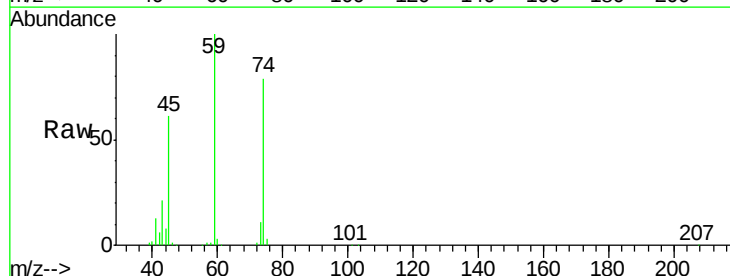
Tgt Ion: 101 Resp: 552591
 Ion Ratio Lower Upper
 101 100
 103 63.4 53.1 79.7

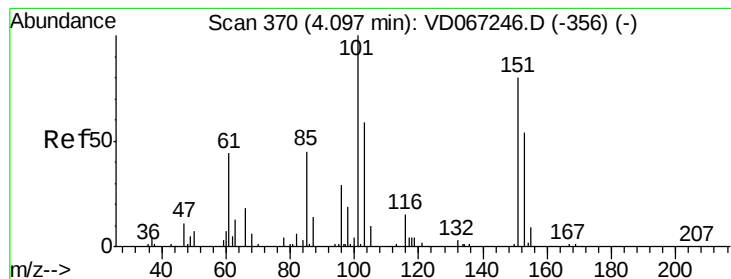


#8

Diethyl Ether
 Concen: 91.698 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.01 min
 Lab File: VD067247.D
 Acq: 13 Oct 2020 12:16

Tgt Ion: 74 Resp: 133264
 Ion Ratio Lower Upper
 74 100
 45 77.4 37.0 111.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 85.318 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067247.D

Acq: 13 Oct 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

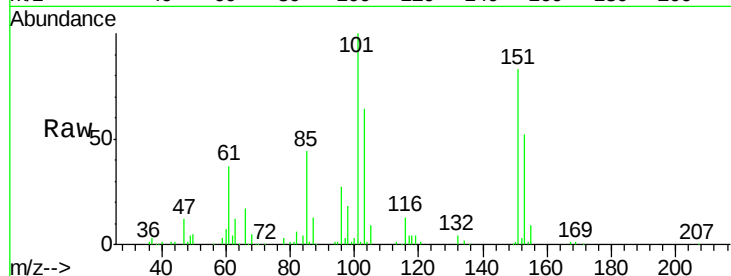
Tgt Ion:101 Resp: 295514

Ion Ratio Lower Upper

101 100

85 42.3 34.2 51.4

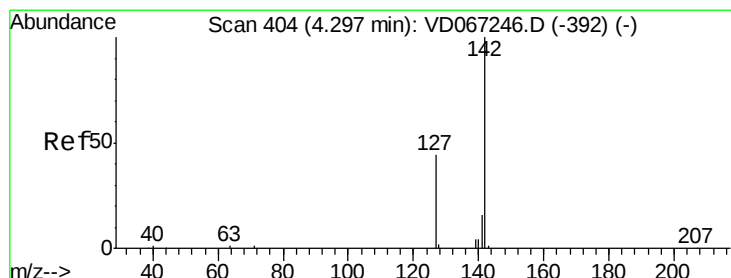
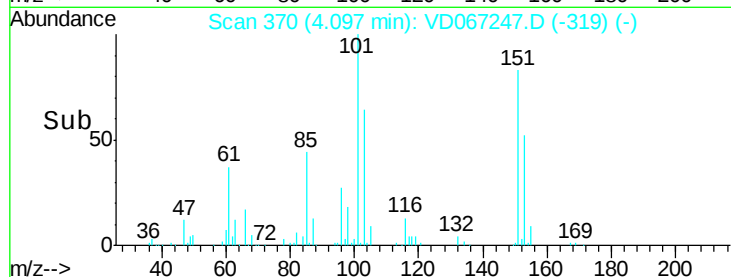
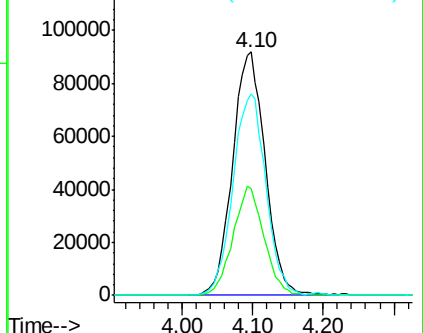
151 83.4 66.3 99.5



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: 114.557 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD067247.D

Acq: 13 Oct 2020 12:16

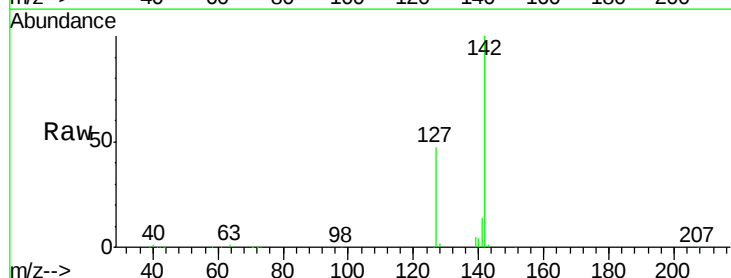
Tgt Ion:142 Resp: 327837

Ion Ratio Lower Upper

142 100

127 47.2 38.4 57.6

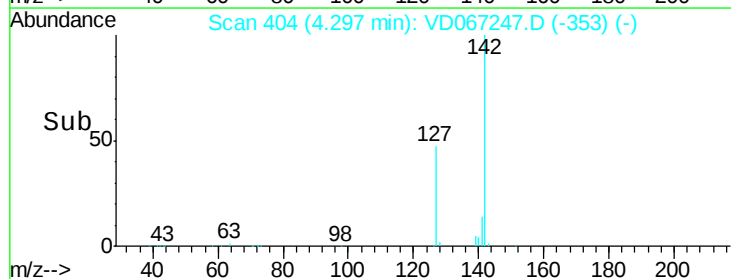
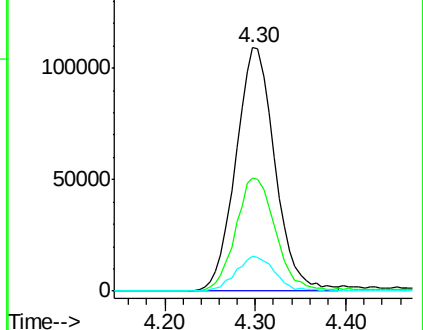
141 14.2 11.6 17.4

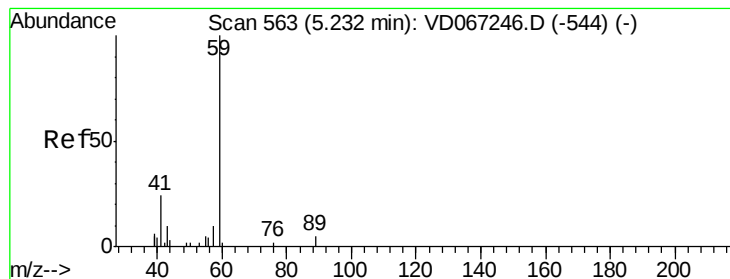


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 273.315 ug/l

RT: 5.23 min Scan# 562

Delta R.T. -0.01 min

Lab File: VD067247.D

Acq: 13 Oct 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

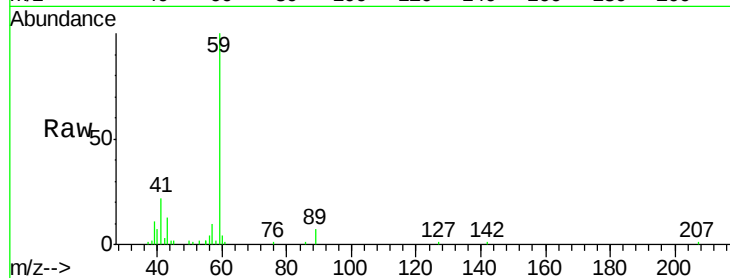
VSTDIC100

Tgt Ion: 59 Resp: 83889

Ion Ratio Lower Upper

59 100

57 9.6 5.1 7.7#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.23

25000

20000

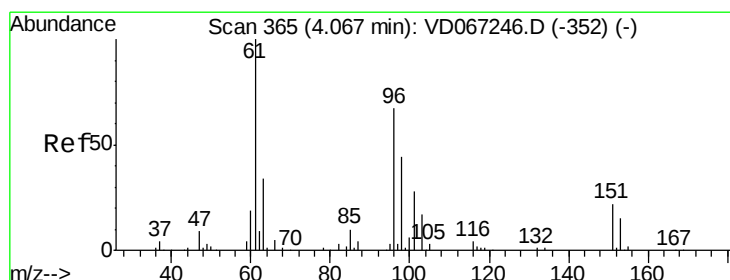
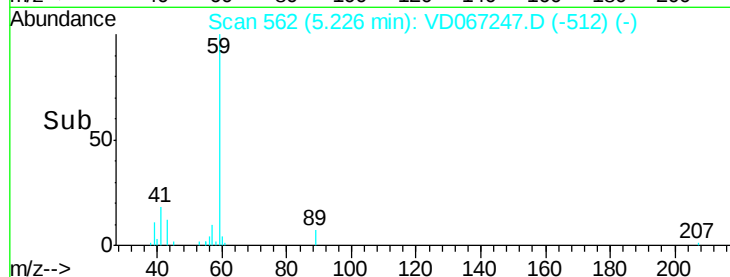
15000

10000

5000

0

Time--> 5.00 5.10 5.20 5.30 5.40



#12

1,1-Dichloroethene

Concen: 89.173 ug/l

RT: 4.07 min Scan# 365

Delta R.T. 0.00 min

Lab File: VD067247.D

Acq: 13 Oct 2020 12:16

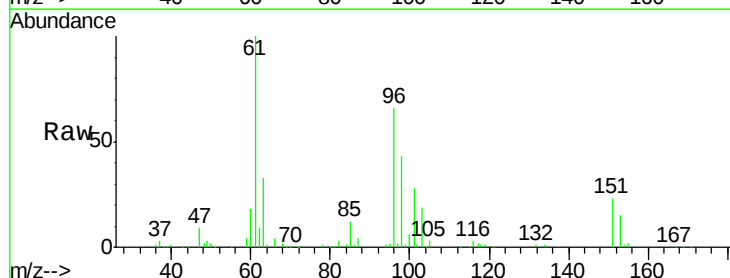
Tgt Ion: 96 Resp: 271631

Ion Ratio Lower Upper

96 100

61 152.7 118.6 177.8

98 65.3 51.8 77.6



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

4.07

200000

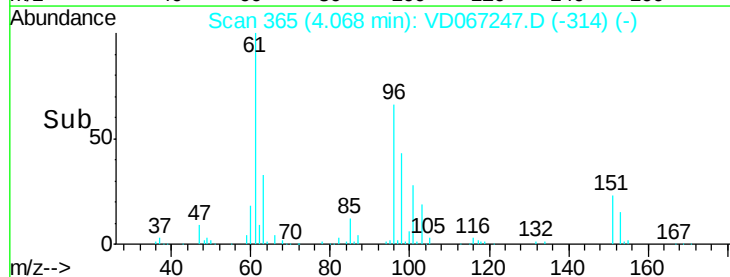
150000

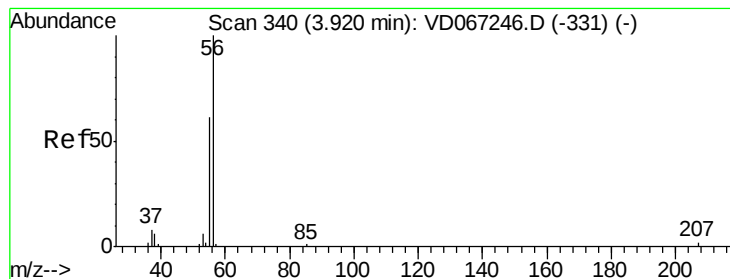
100000

50000

0

Time--> 3.90 4.00 4.10 4.20





#13

Acrolein

Concen: 671.148 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD067247.D

Acq: 13 Oct 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

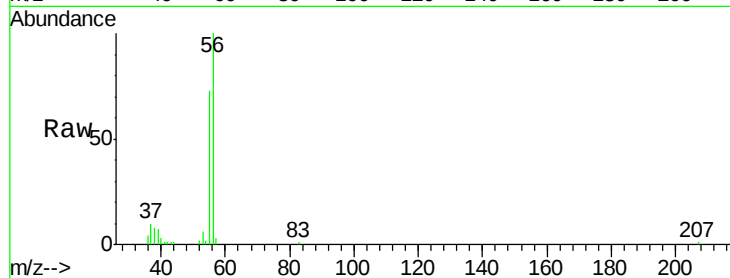
VSTDIC100

Tgt Ion: 56 Resp: 110684

Ion Ratio Lower Upper

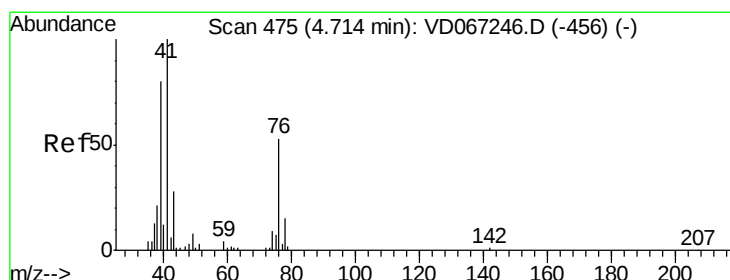
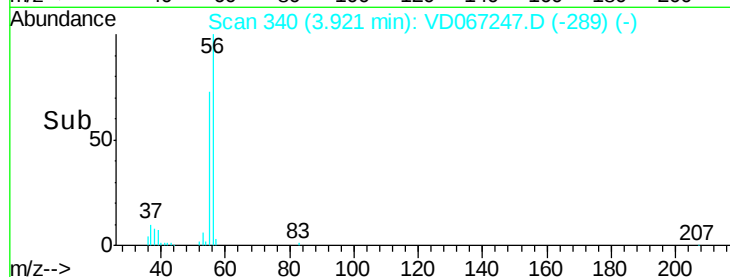
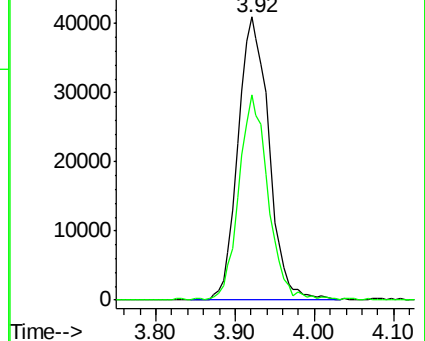
56 100

55 68.7 56.0 84.0



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 95.865 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067247.D

Acq: 13 Oct 2020 12:16

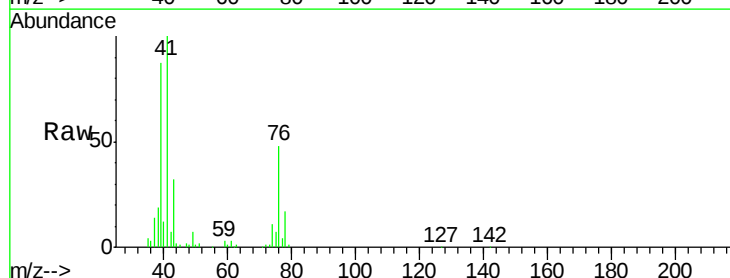
Tgt Ion: 41 Resp: 325799

Ion Ratio Lower Upper

41 100

39 79.6 63.8 95.6

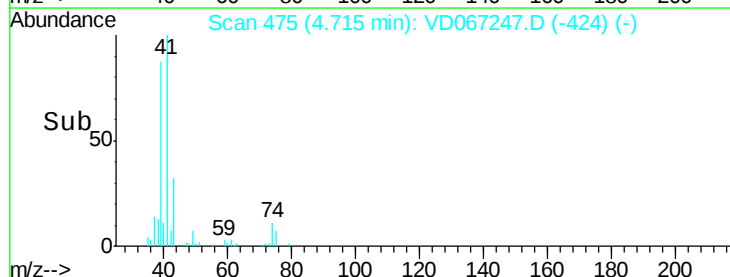
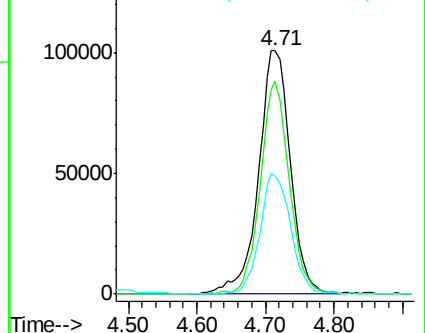
76 47.4 40.4 60.6

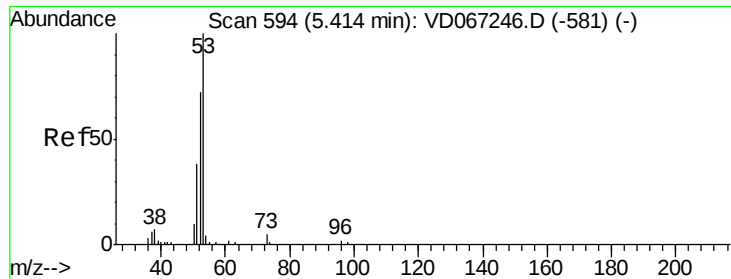


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 484.202 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD067247.D

Acq: 13 Oct 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

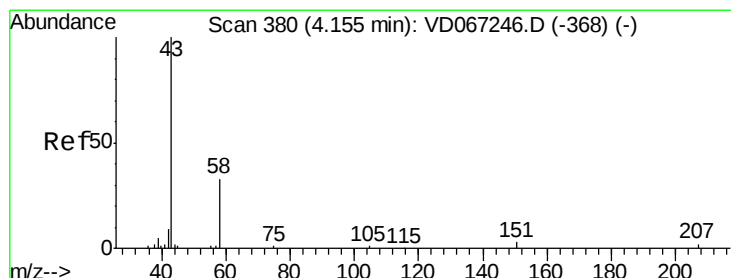
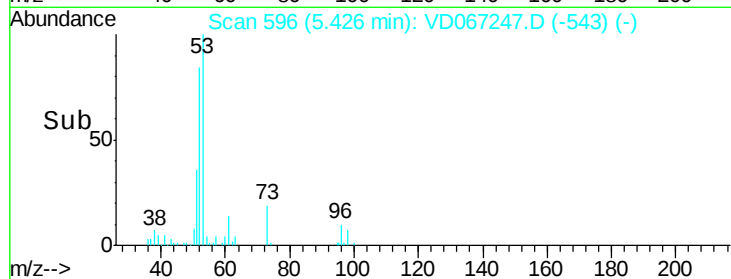
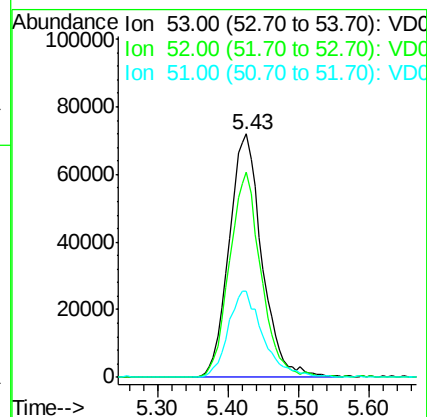
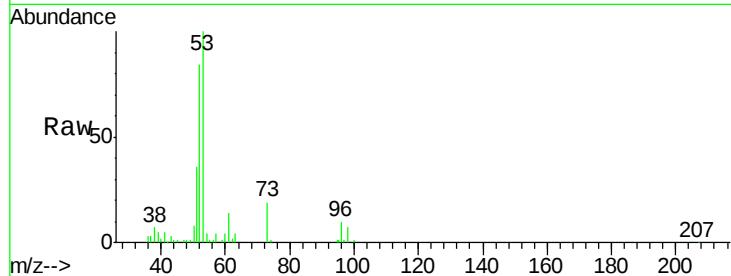
Tgt Ion: 53 Resp: 232115

Ion Ratio Lower Upper

53 100

52 81.1 65.6 98.4

51 37.6 30.8 46.2



#16

Acetone

Concen: 454.021 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD067247.D

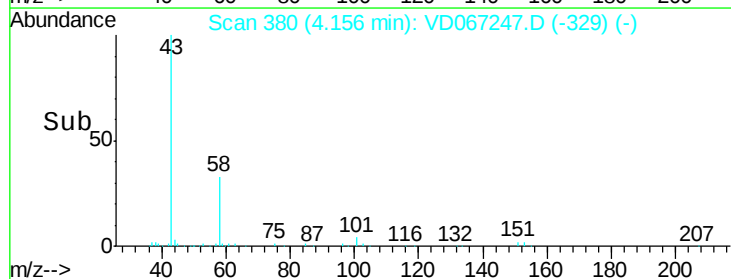
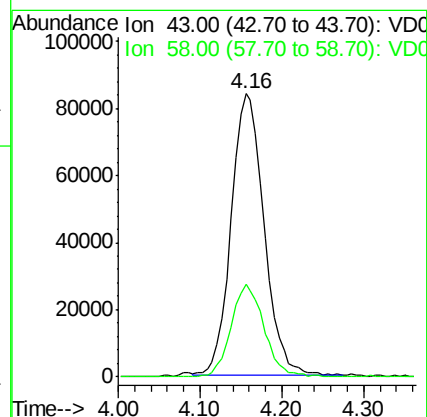
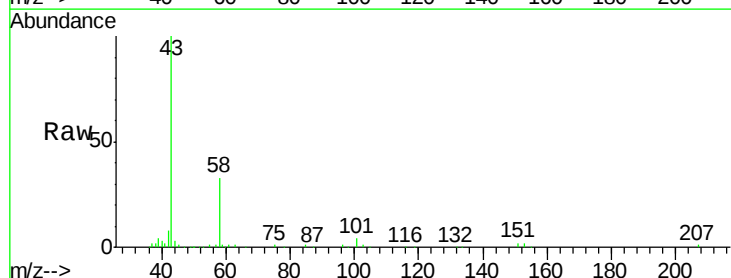
Acq: 13 Oct 2020 12:16

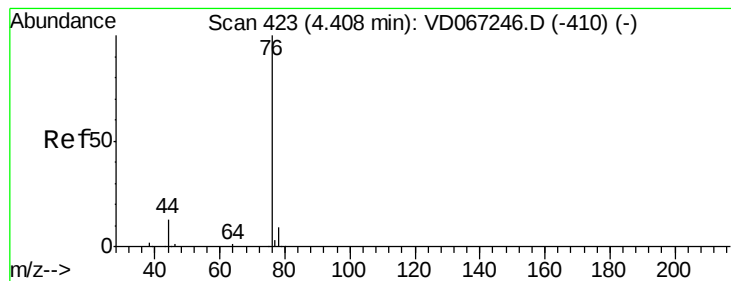
Tgt Ion: 43 Resp: 234059

Ion Ratio Lower Upper

43 100

58 33.1 26.1 39.1





#17

Carbon Disulfide

Concen: 88.022 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD067247.D

Acq: 13 Oct 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

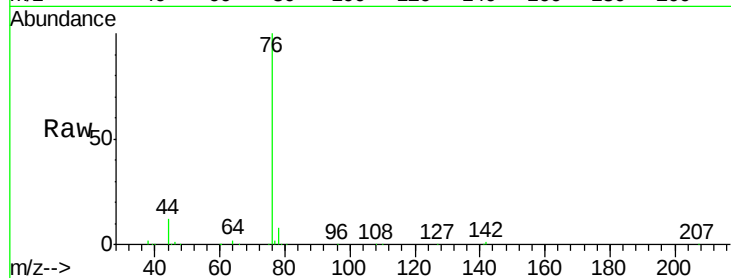
VSTDIC100

Tgt Ion: 76 Resp: 765669

Ion Ratio Lower Upper

76 100

78 7.9 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.41

250000

200000

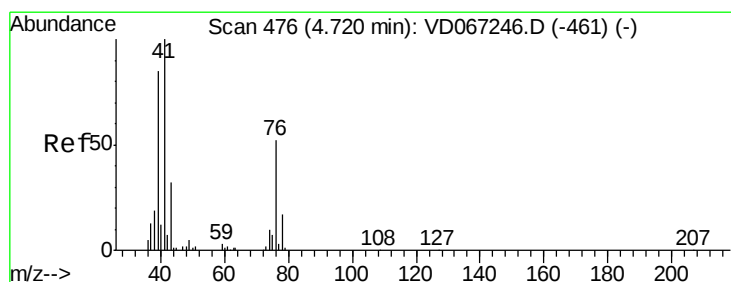
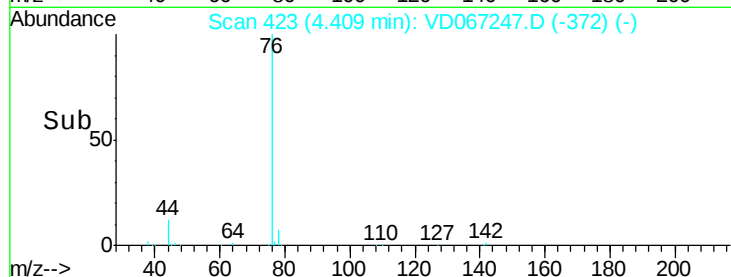
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 88.999 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.00 min

Lab File: VD067247.D

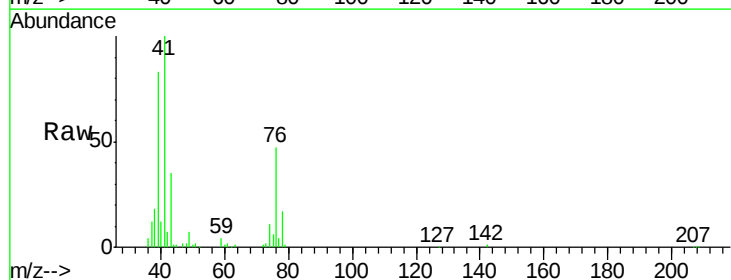
Acq: 13 Oct 2020 12:16

Tgt Ion: 43 Resp: 105356

Ion Ratio Lower Upper

43 100

74 31.3 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.72

40000

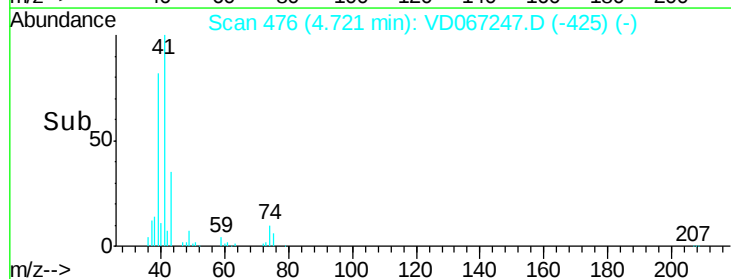
30000

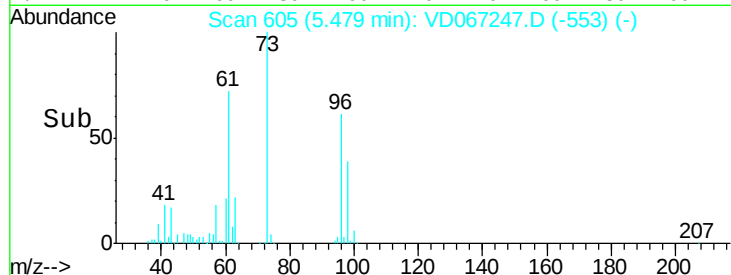
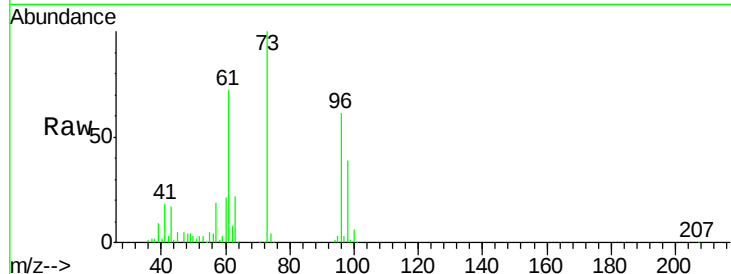
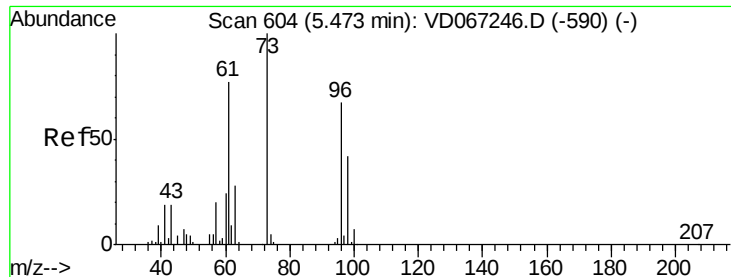
20000

10000

0

Time-->

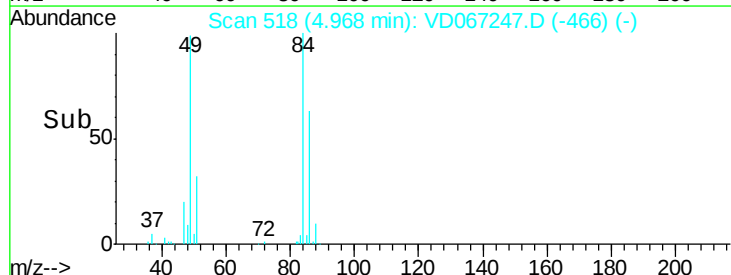
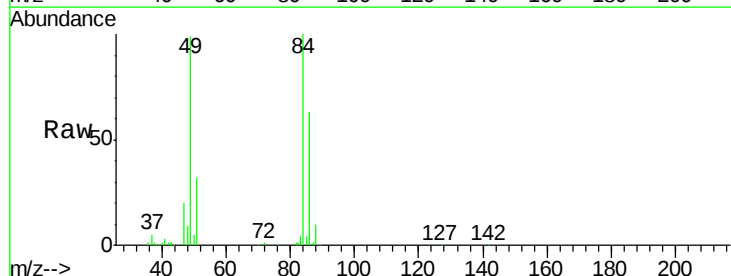
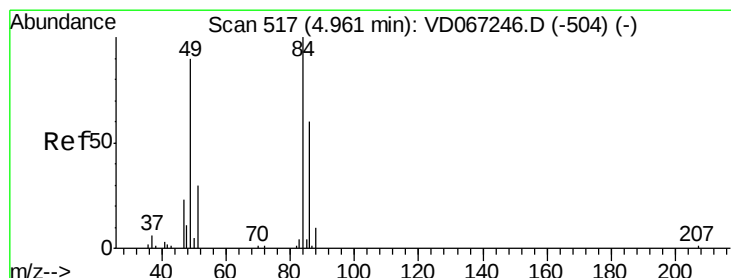
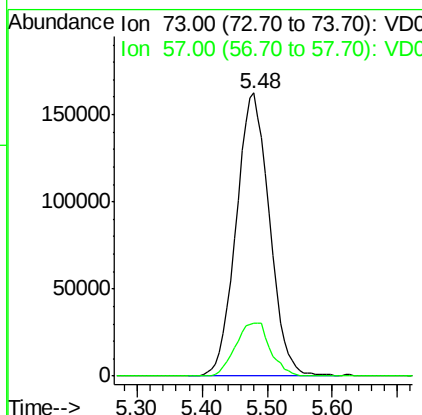




#19
Methyl tert-butyl Ether
Concen: 97.962 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD067247.D
Acq: 13 Oct 2020 12:16

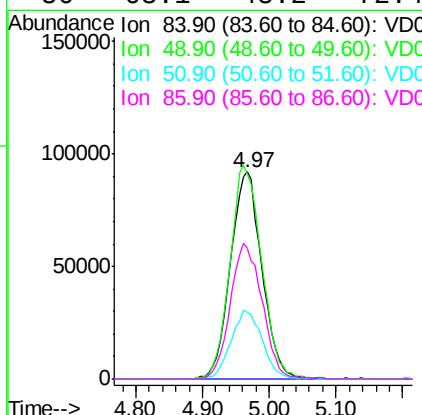
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

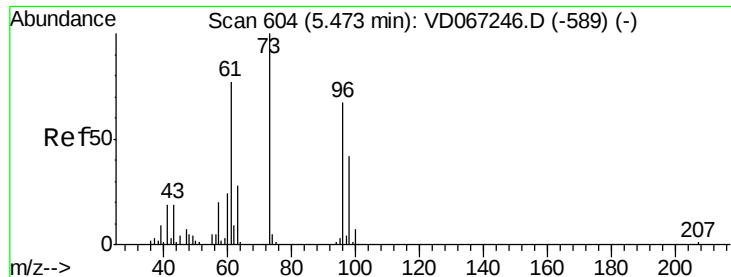
Tgt Ion: 73 Resp: 575046
Ion Ratio Lower Upper
73 100
57 18.5 15.7 23.5



#20
Methylene Chloride
Concen: 72.650 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067247.D
Acq: 13 Oct 2020 12:16

Tgt Ion: 84 Resp: 301446
Ion Ratio Lower Upper
84 100
49 99.0 72.2 108.2
51 32.2 23.8 35.8
86 63.1 48.2 72.4





#21

trans-1,2-Dichloroethene

Concen: 91.724 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD067247.D

Acq: 13 Oct 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

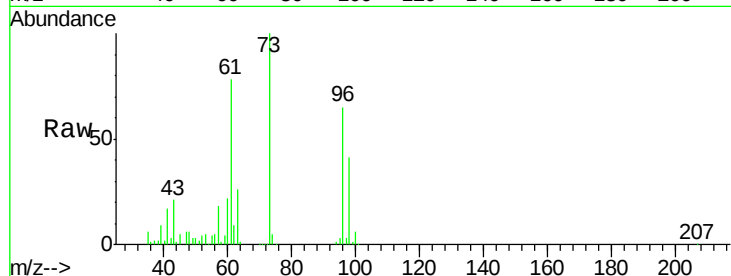
Tgt Ion: 96 Resp: 319623

Ion Ratio Lower Upper

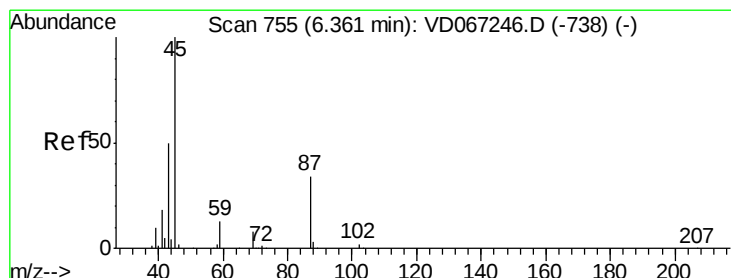
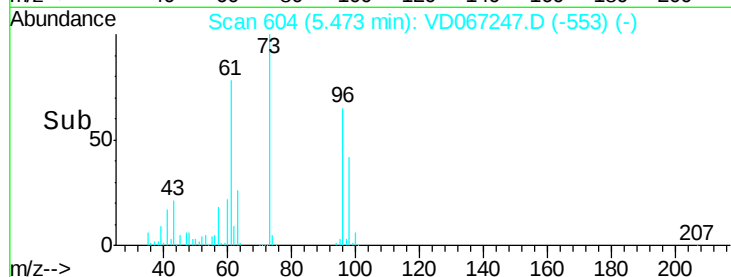
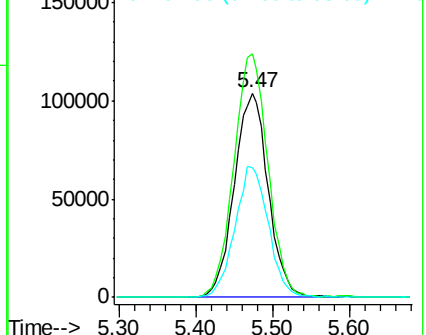
96 100

61 119.3 92.0 138.0

98 63.7 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: 94.263 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD067247.D

Acq: 13 Oct 2020 12:16

Tgt Ion: 45 Resp: 590635

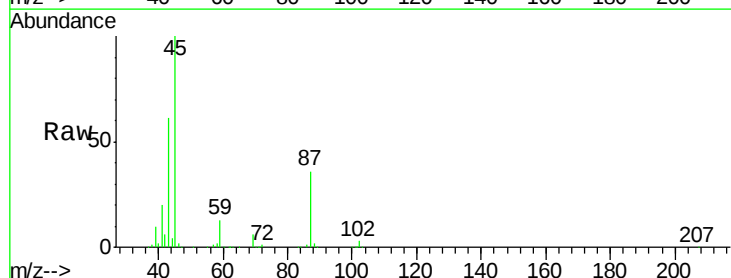
Ion Ratio Lower Upper

45 100

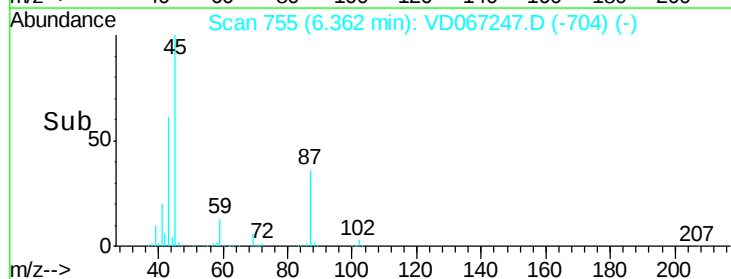
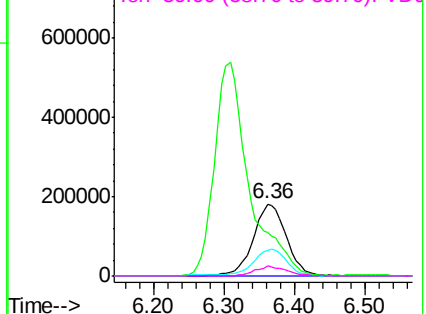
43 59.6 48.0 72.0

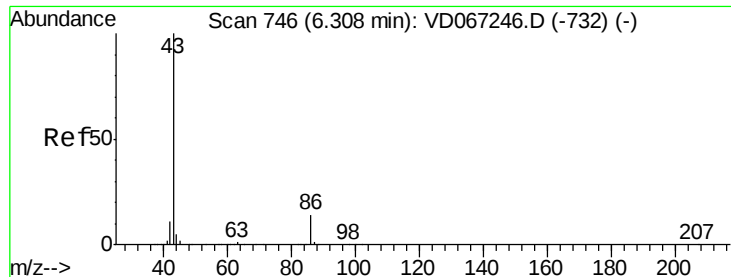
87 35.9 28.5 42.7

59 13.1 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: 543.326 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD067247.D

Acq: 13 Oct 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

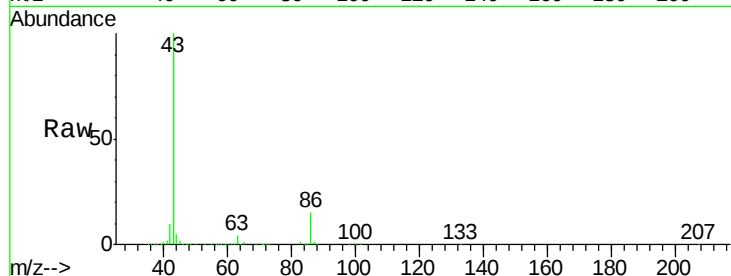
VSTDIC100

Tgt Ion: 43 Resp: 1847274

Ion Ratio Lower Upper

43 100

86 14.4 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

600000

500000

400000

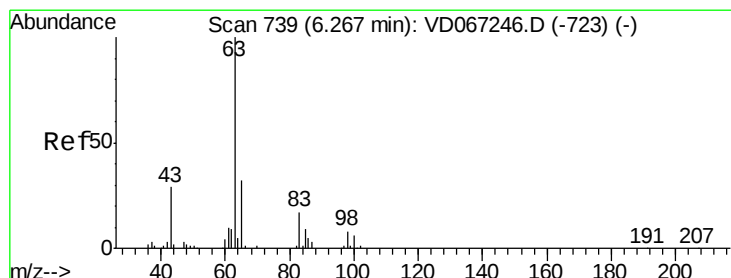
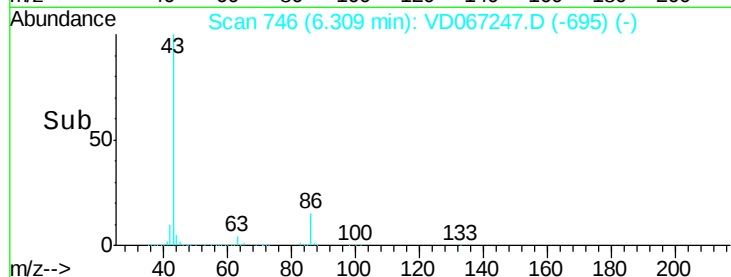
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 88.673 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD067247.D

Acq: 13 Oct 2020 12:16

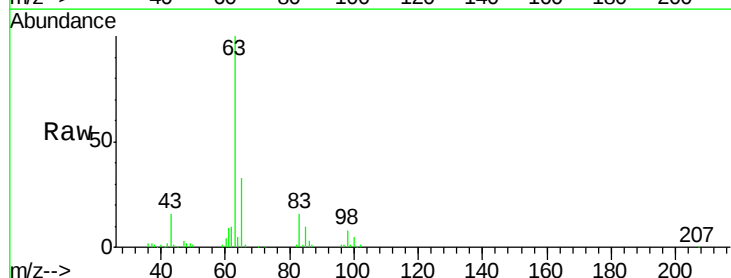
Tgt Ion: 63 Resp: 484076

Ion Ratio Lower Upper

63 100

98 8.0 4.0 12.2

100 5.3 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

200000

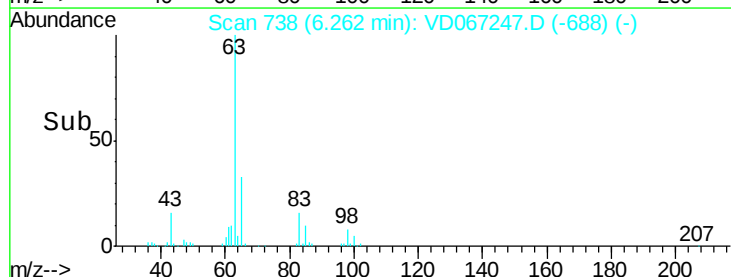
150000

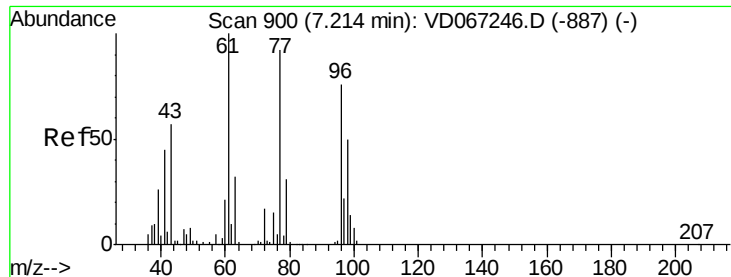
100000

50000

0

Time-->





#25

2-Butanone

Concen: 476.903 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067247.D

Acq: 13 Oct 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

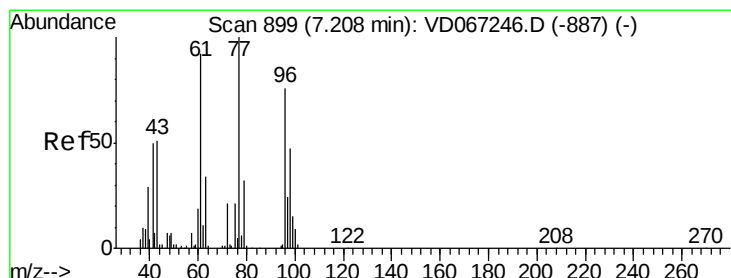
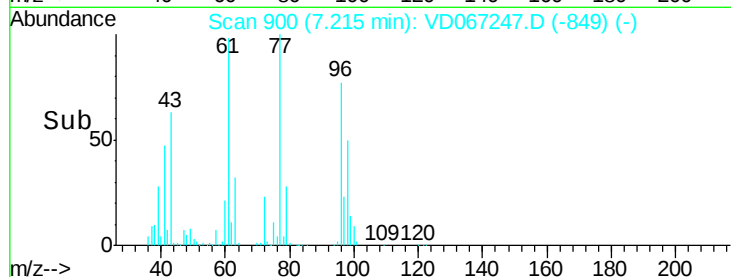
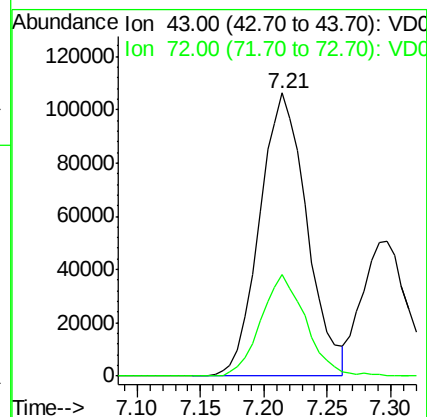
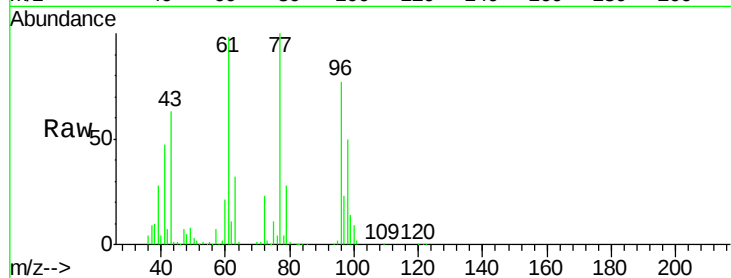
VSTDICC100

Tgt Ion: 43 Resp: 276205

Ion Ratio Lower Upper

43 100

72 36.1 23.7 35.5#



#26

2,2-Dichloropropane

Concen: 85.562 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD067247.D

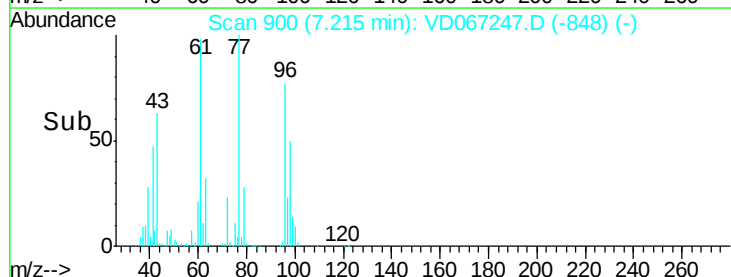
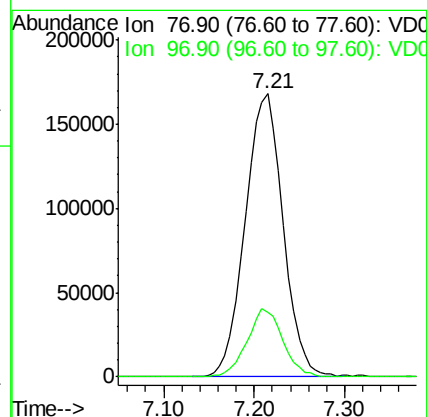
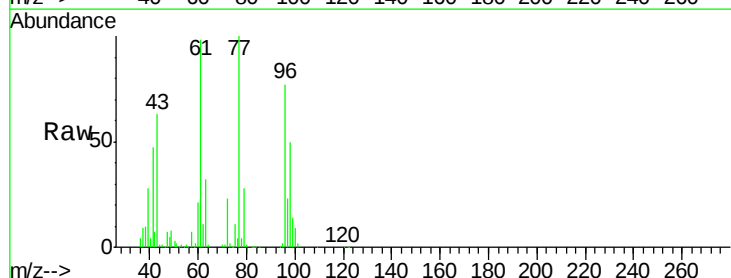
Acq: 13 Oct 2020 12:16

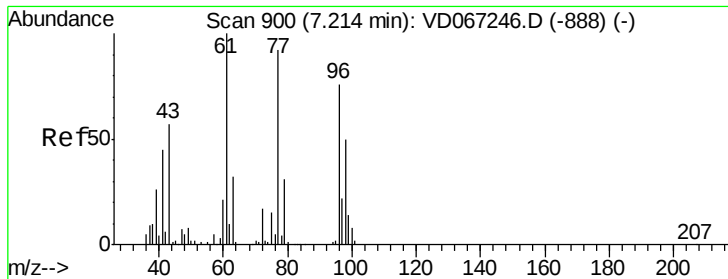
Tgt Ion: 77 Resp: 487621

Ion Ratio Lower Upper

77 100

97 22.9 11.4 34.2



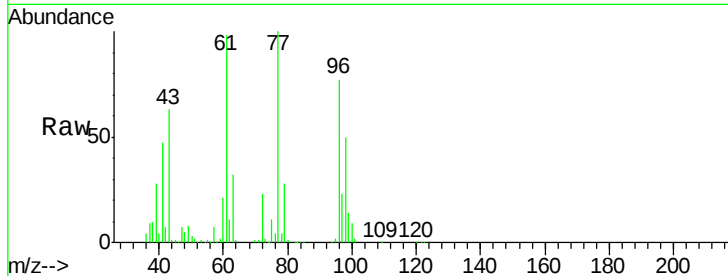


#27

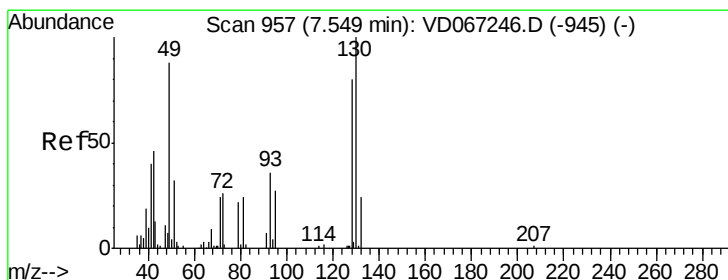
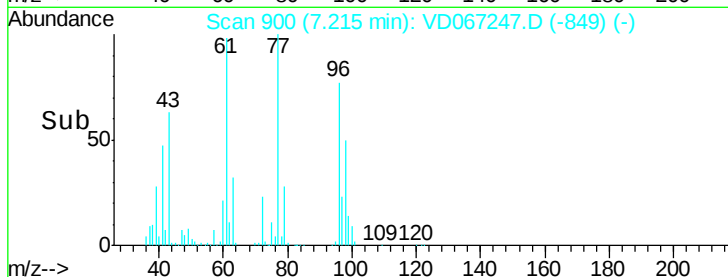
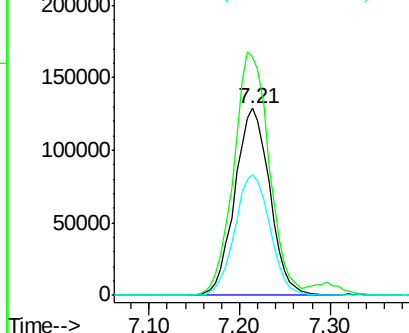
cis-1,2-Dichloroethene
Concen: 90.399 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067247.D
Acq: 13 Oct 2020 12:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion: 96 Resp: 345831
Ion Ratio Lower Upper
96 100
61 132.1 0.0 255.4
98 65.1 0.0 128.0



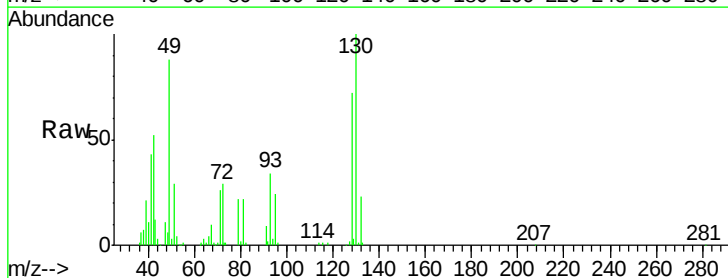
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



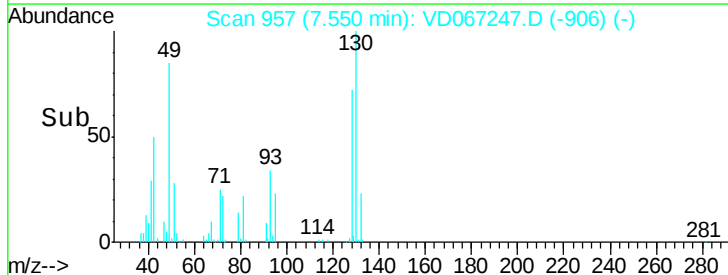
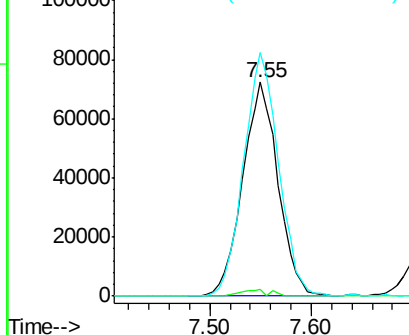
#28

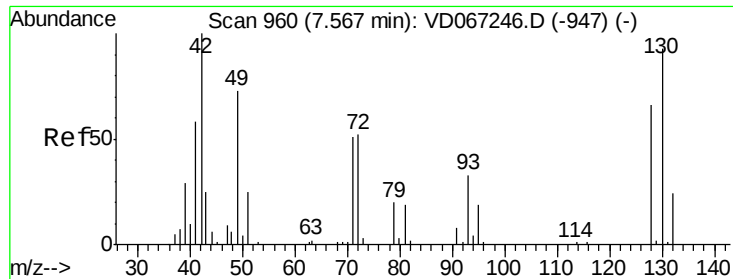
Bromochloromethane
Concen: 96.177 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD067247.D
Acq: 13 Oct 2020 12:16

Tgt Ion: 49 Resp: 175165
Ion Ratio Lower Upper
49 100
129 1.8 0.0 1.6#
130 112.4 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

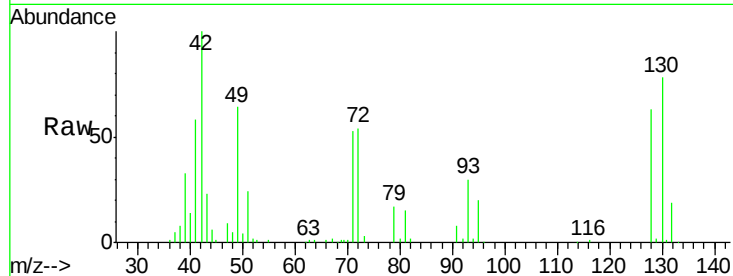




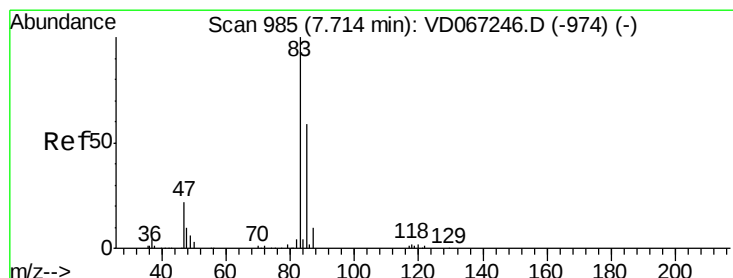
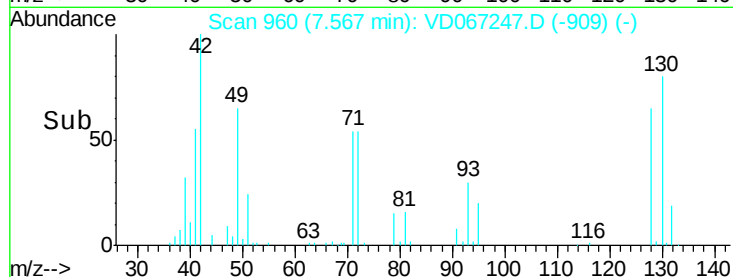
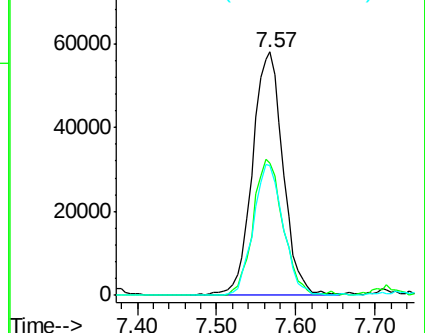
#29
Tetrahydrofuran
Concen: 489.888 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.00 min
Lab File: VD067247.D
Acq: 13 Oct 2020 12:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion: 42 Resp: 156364
Ion Ratio Lower Upper
42 100
72 54.3 43.2 64.8
71 52.3 39.4 59.0

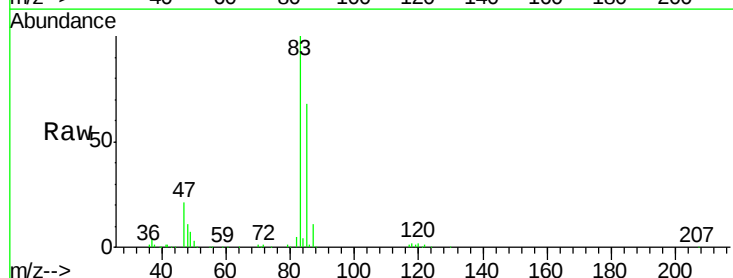


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

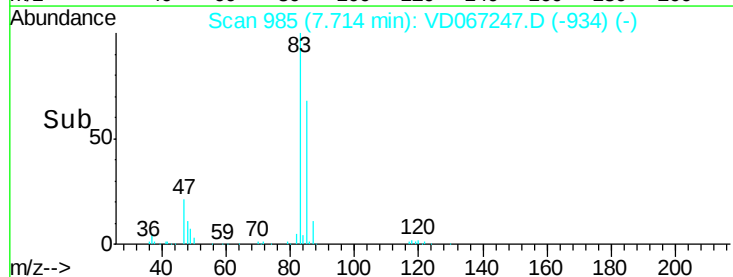
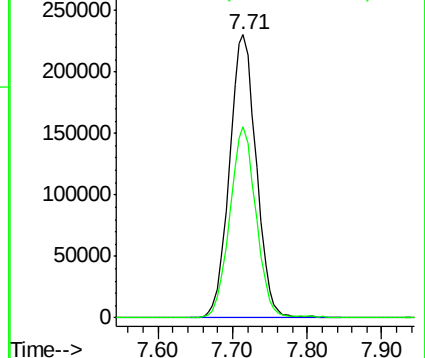


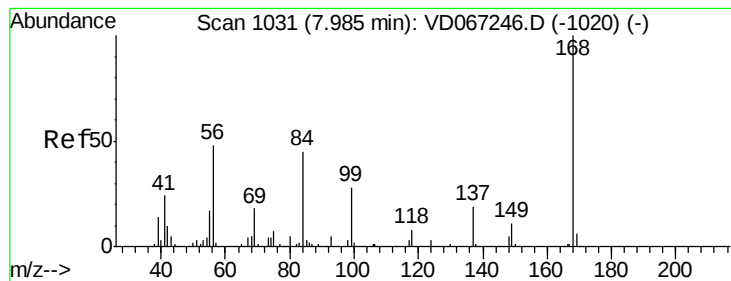
#30
Chloroform
Concen: 87.833 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD067247.D
Acq: 13 Oct 2020 12:16

Tgt Ion: 83 Resp: 575041
Ion Ratio Lower Upper
83 100
85 67.6 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: 81.480 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067247.D

Acq: 13 Oct 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

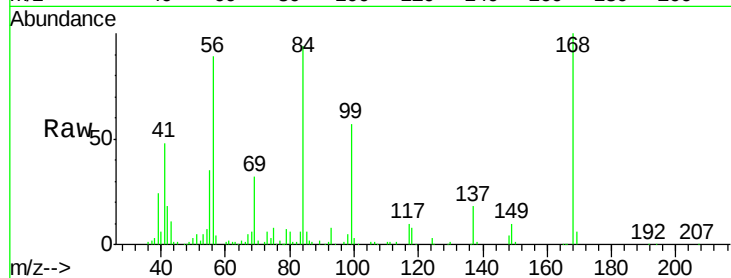
Tgt Ion: 56 Resp: 357243

Ion Ratio Lower Upper

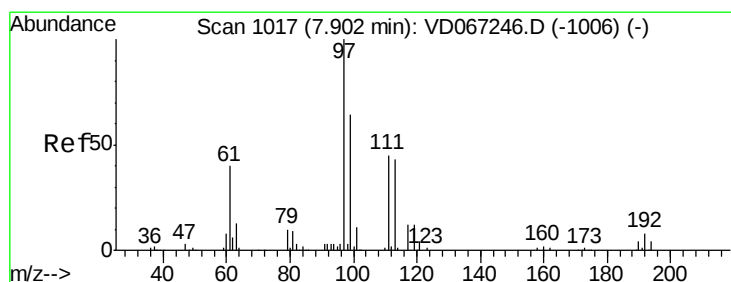
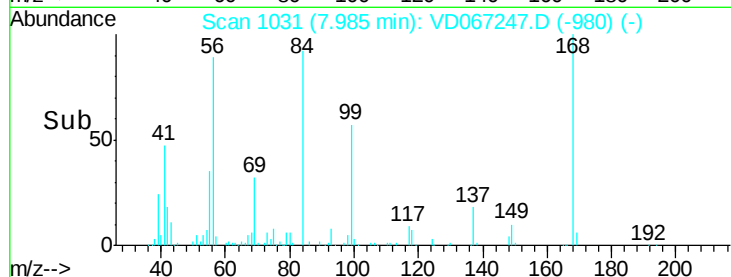
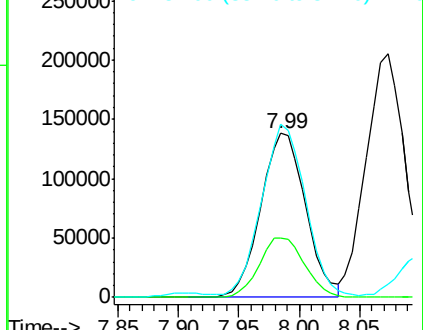
56 100

69 36.5 29.8 44.6

84 102.9 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: 87.561 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.01 min

Lab File: VD067247.D

Acq: 13 Oct 2020 12:16

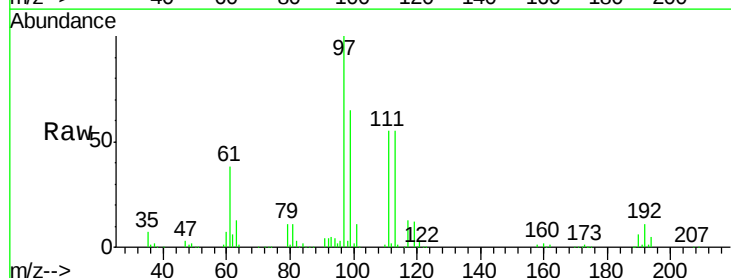
Tgt Ion: 97 Resp: 562661

Ion Ratio Lower Upper

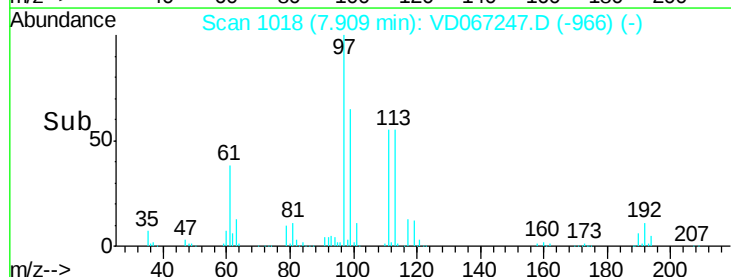
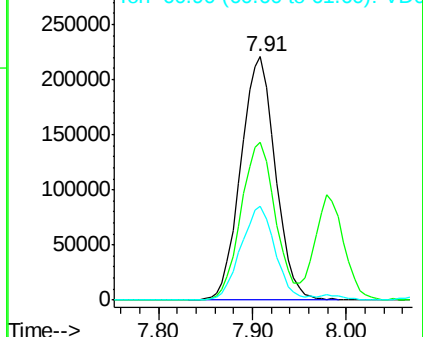
97 100

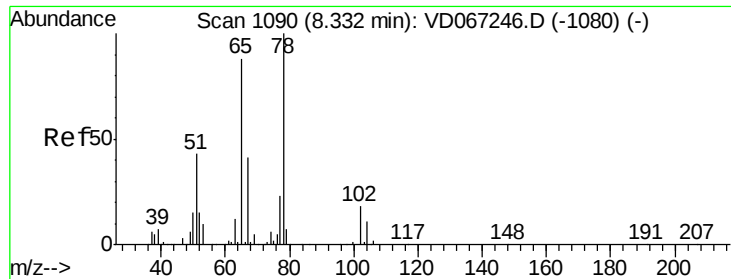
99 64.9 50.2 75.4

61 38.5 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: 92.496 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD067247.D

Acq: 13 Oct 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

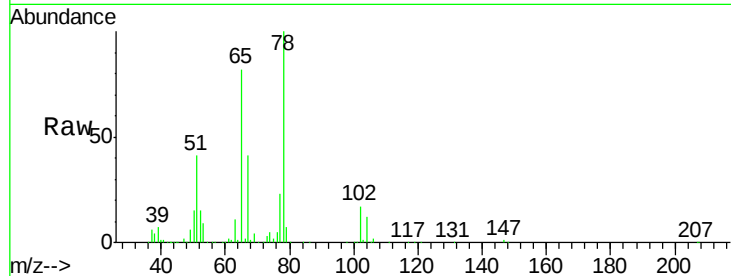
VSTDIC100

Tgt Ion: 65 Resp: 338973

Ion Ratio Lower Upper

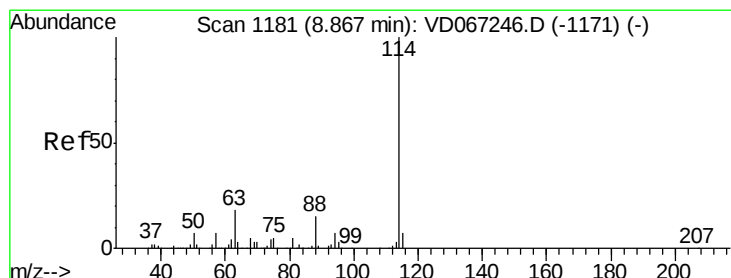
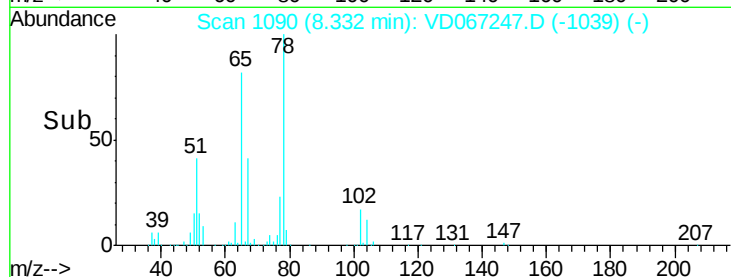
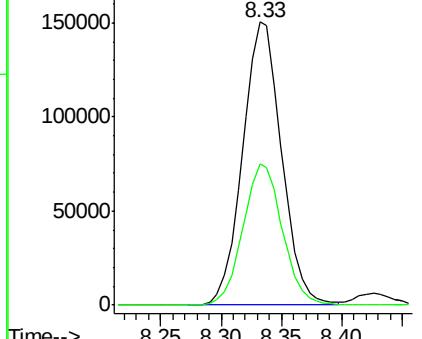
65 100

67 50.4 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD067247.D

Acq: 13 Oct 2020 12:16

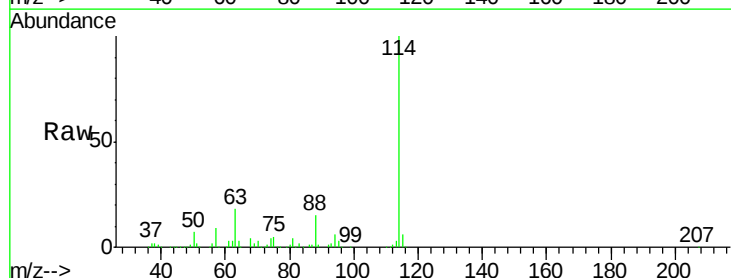
Tgt Ion: 114 Resp: 523397

Ion Ratio Lower Upper

114 100

63 17.6 0.0 35.0

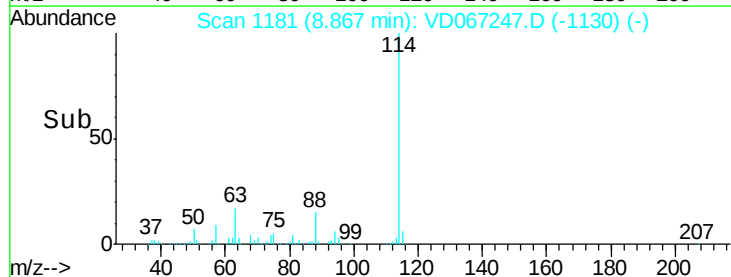
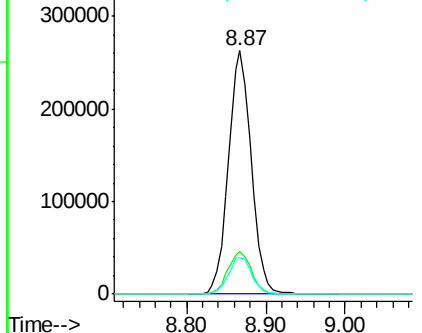
88 15.0 0.0 30.6

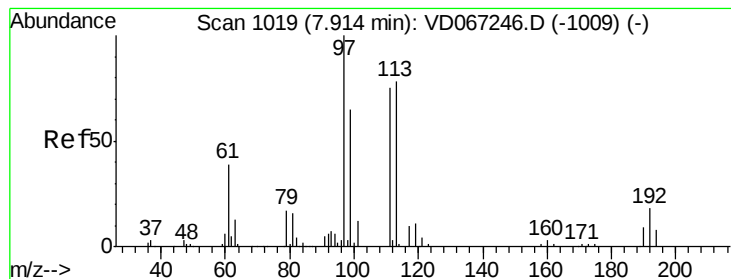


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 101.041 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD067247.D

Acq: 13 Oct 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

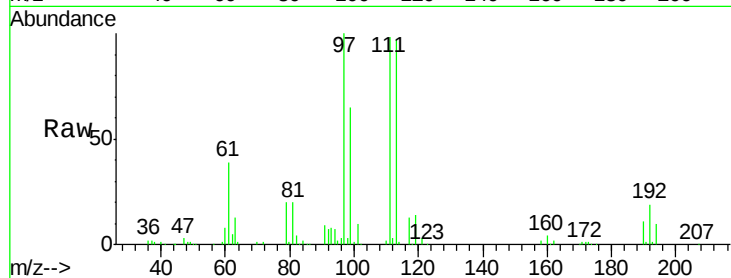
Tgt Ion: 113 Resp: 352141

Ion Ratio Lower Upper

113 100

111 101.4 81.6 122.4

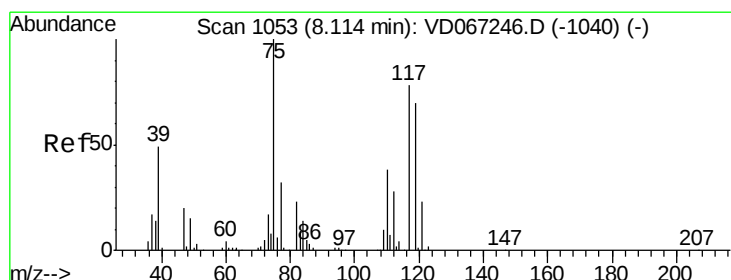
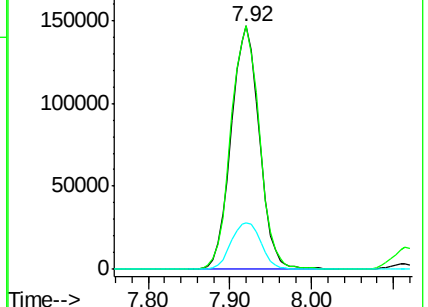
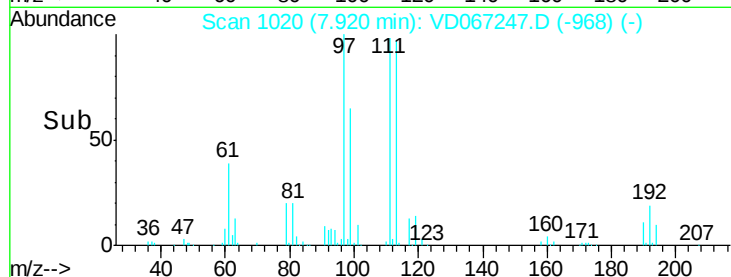
192 20.5 17.0 25.4



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: 92.085 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VD067247.D

Acq: 13 Oct 2020 12:16

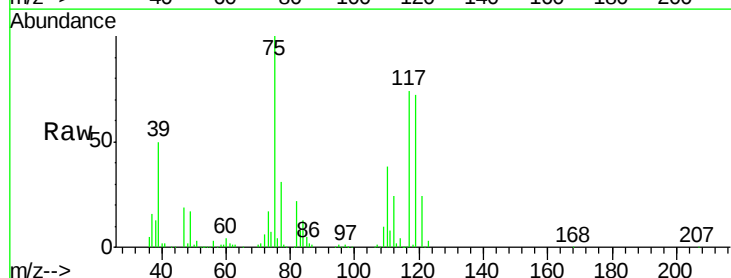
Tgt Ion: 75 Resp: 421642

Ion Ratio Lower Upper

75 100

110 37.9 19.6 58.7

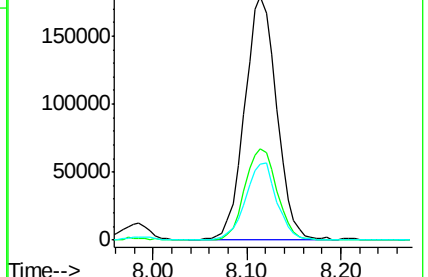
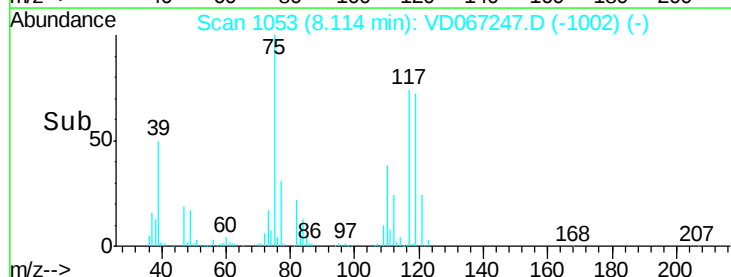
77 31.1 24.6 37.0

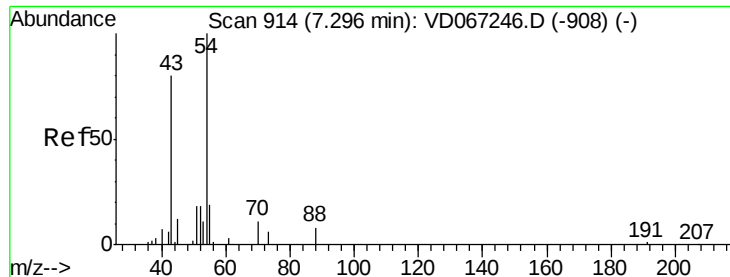


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

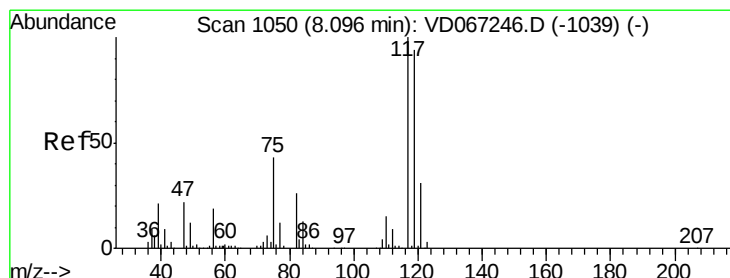
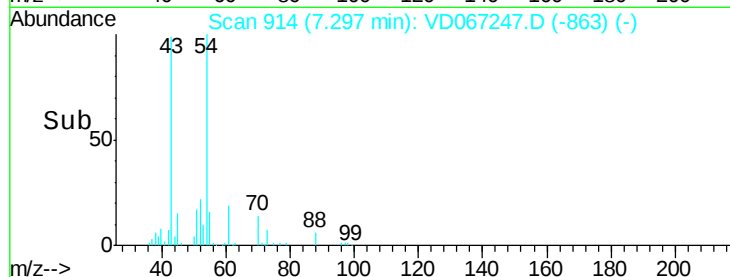
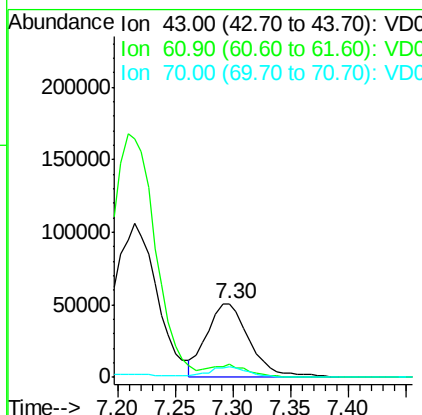
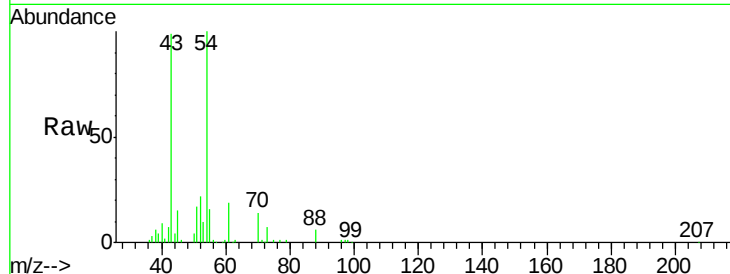




#37
Ethyl Acetate
Concen: 97.682 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD067247.D
Acq: 13 Oct 2020 12:16

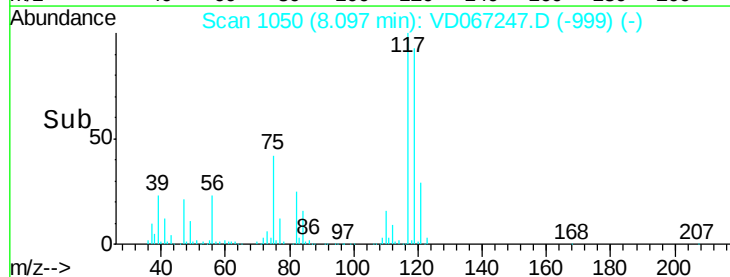
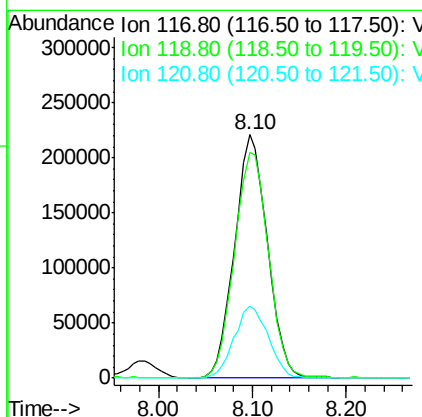
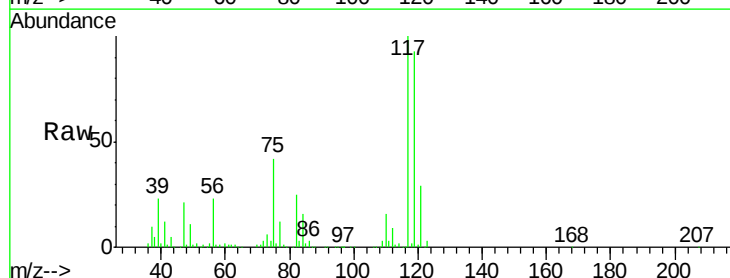
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

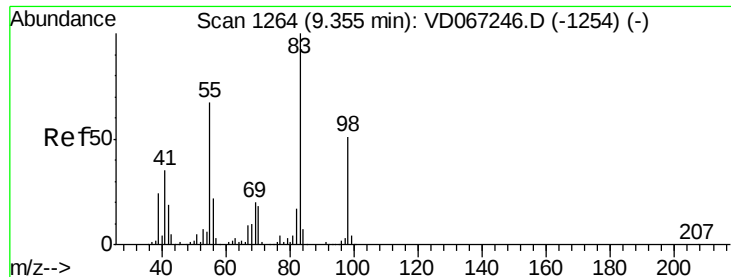
Tgt Ion: 43 Resp: 129666
Ion Ratio Lower Upper
43 100
61 14.7 15.6 23.4#
70 13.7 10.4 15.6



#38
Carbon Tetrachloride
Concen: 90.906 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD067247.D
Acq: 13 Oct 2020 12:16

Tgt Ion: 117 Resp: 533610
Ion Ratio Lower Upper
117 100
119 93.0 75.0 112.4
121 29.5 24.9 37.3

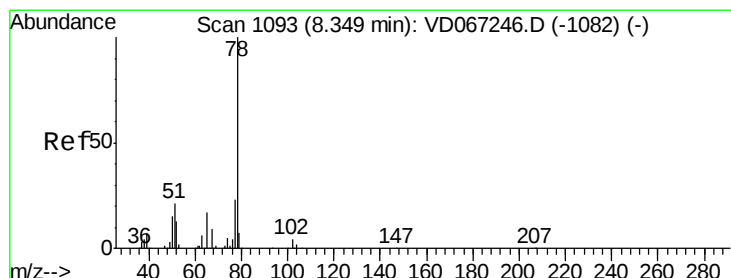
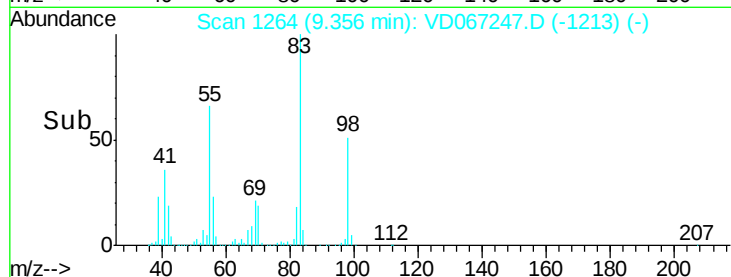
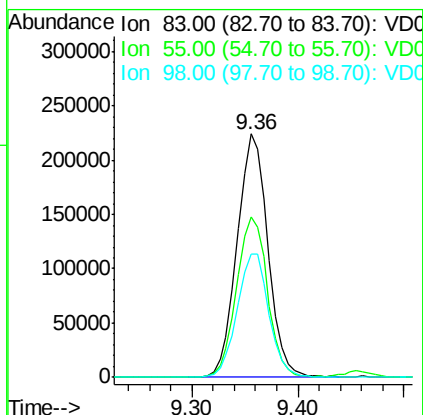
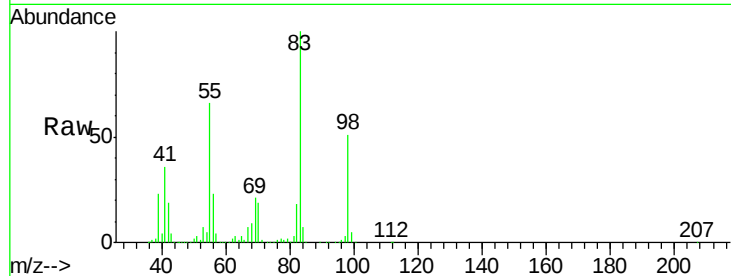




#39
Methylcyclohexane
Concen: 96.810 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067247.D
Acq: 13 Oct 2020 12:16

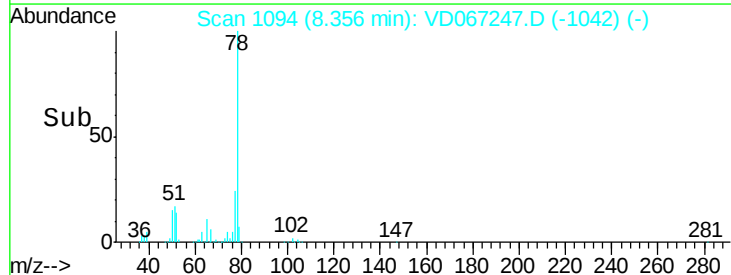
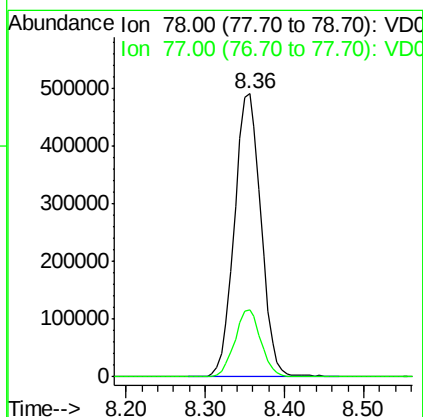
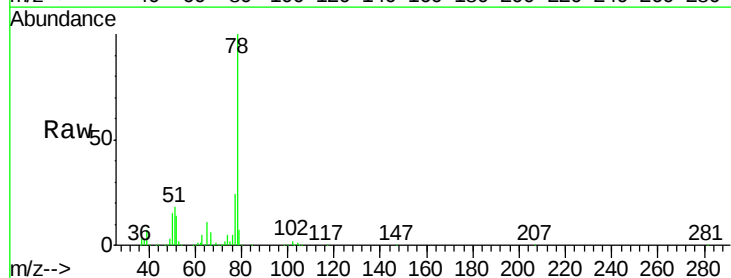
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

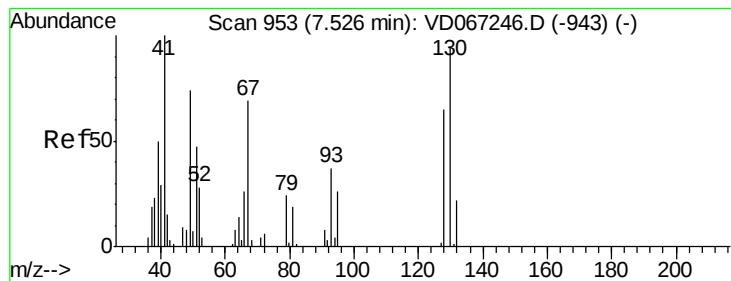
Tgt Ion: 83 Resp: 454491
Ion Ratio Lower Upper
83 100
55 65.9 53.3 79.9
98 50.8 41.0 61.4



#40
Benzene
Concen: 90.407 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD067247.D
Acq: 13 Oct 2020 12:16

Tgt Ion: 78 Resp: 1140602
Ion Ratio Lower Upper
78 100
77 23.7 18.3 27.5





#41

Methacrylonitrile

Concen: 143.766 ug/l

RT: 7.53 min Scan# 953

Delta R.T. 0.00 min

Lab File: VD067247.D

Acq: 13 Oct 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tgt Ion: 41 Resp: 81428

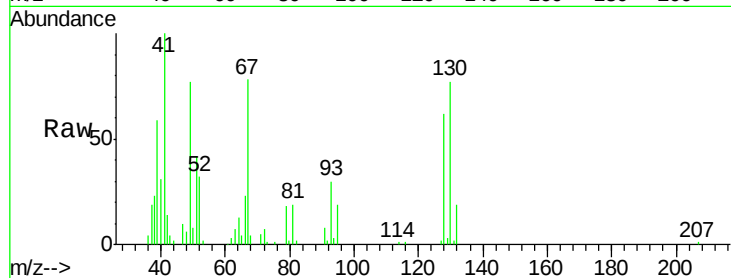
Ion Ratio Lower Upper

41 100

39 49.3 60.0 90.0#

67 80.0 88.9 133.3#

52 33.1 36.9 55.3#



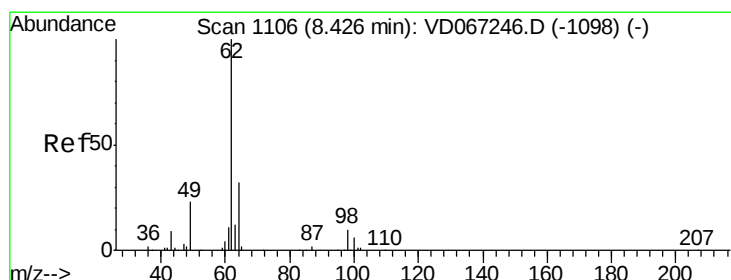
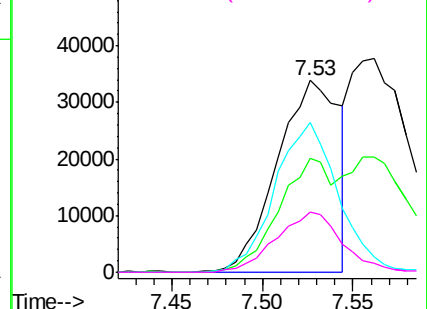
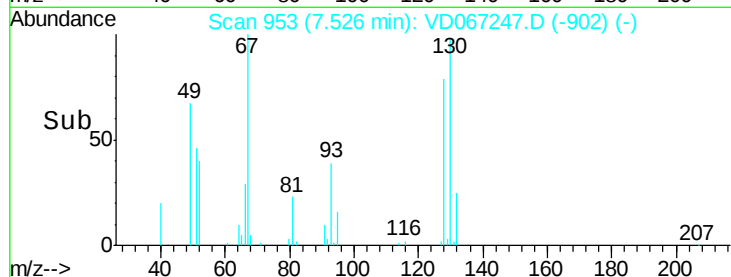
Abundance

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: 90.492 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD067247.D

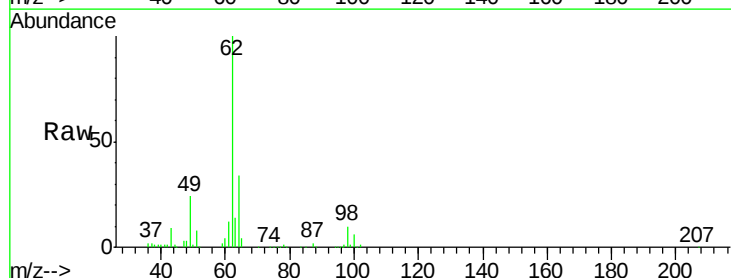
Acq: 13 Oct 2020 12:16

Tgt Ion: 62 Resp: 356698

Ion Ratio Lower Upper

62 100

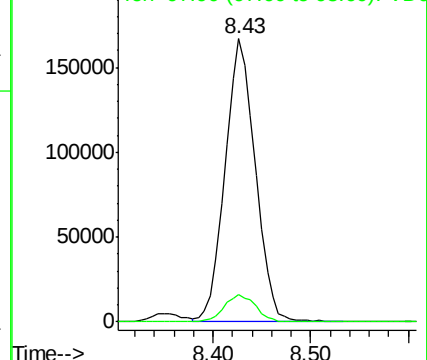
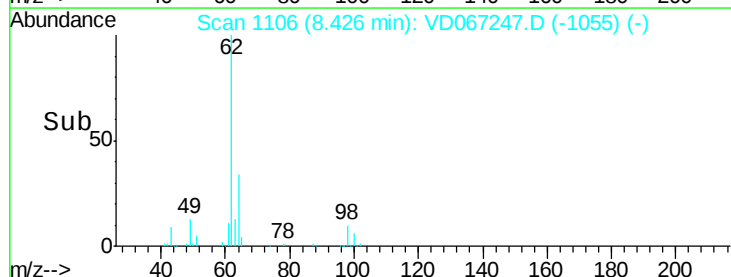
98 10.1 0.0 19.4

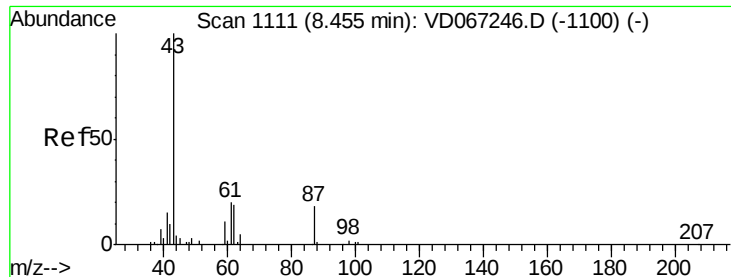


Abundance

Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 98.743 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD067247.D

Acq: 13 Oct 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

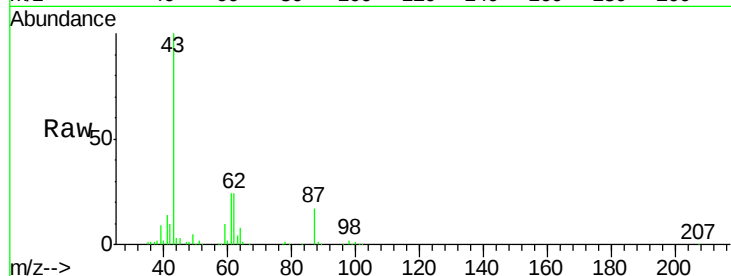
Tgt Ion: 43 Resp: 256846

Ion Ratio Lower Upper

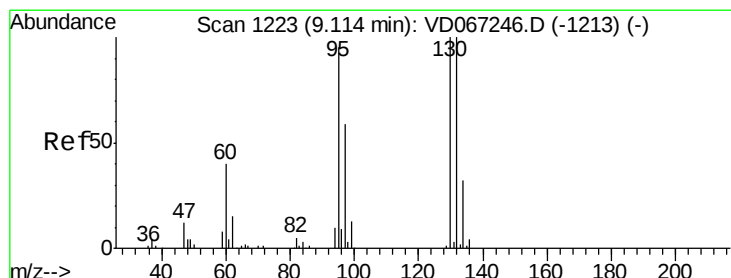
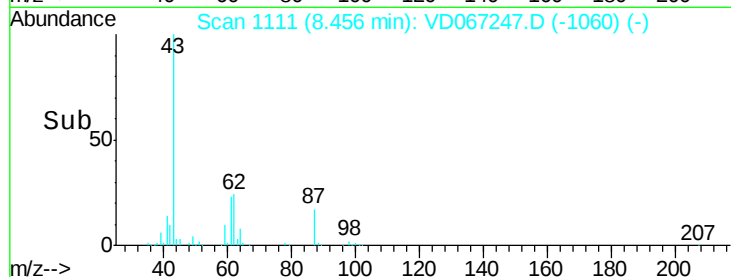
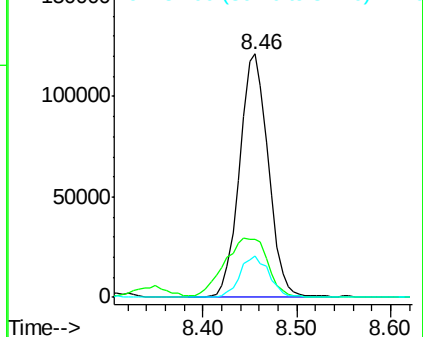
43 100

61 36.7 29.5 44.3

87 17.4 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: 89.973 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD067247.D

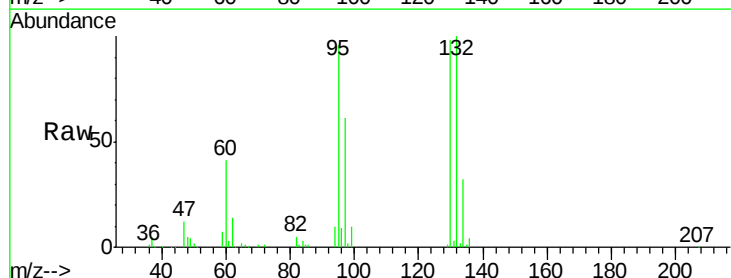
Acq: 13 Oct 2020 12:16

Tgt Ion: 130 Resp: 362722

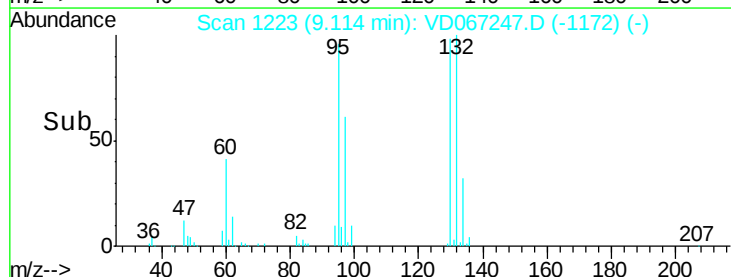
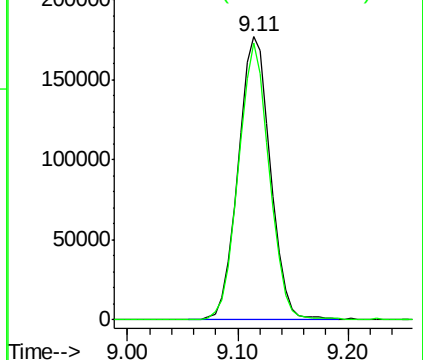
Ion Ratio Lower Upper

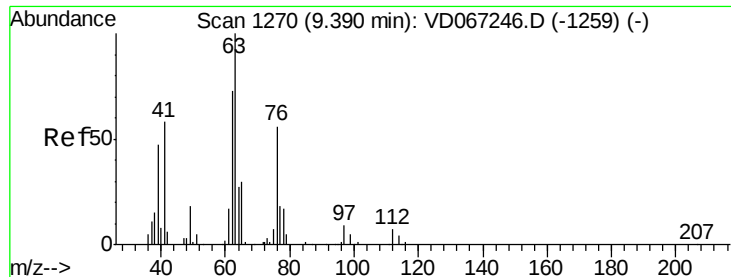
130 100

95 97.7 0.0 190.6



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

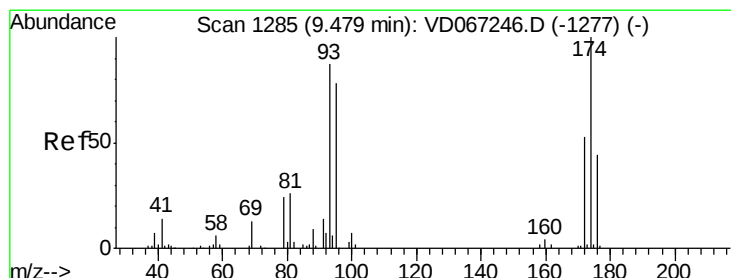
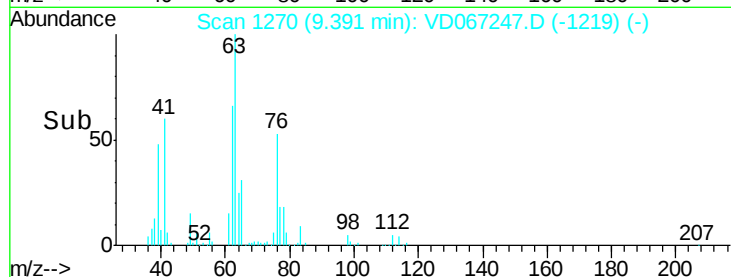
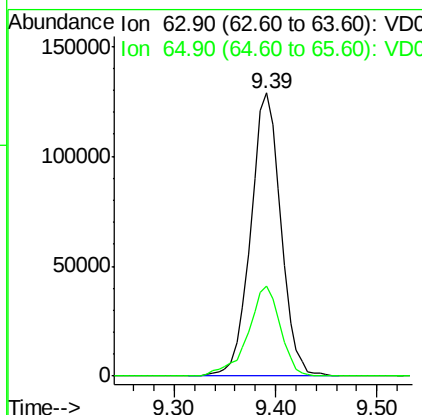
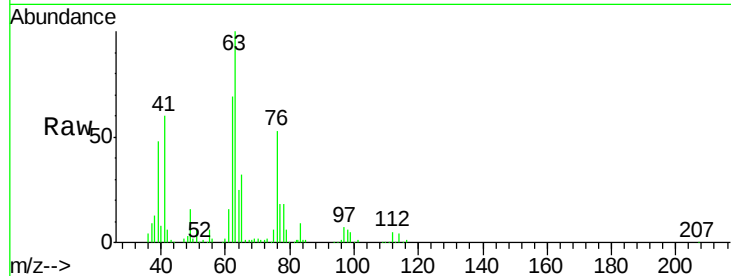




#45
 1,2-Dichloropropane
 Concen: 91.651 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD067247.D
 Acq: 13 Oct 2020 12:16

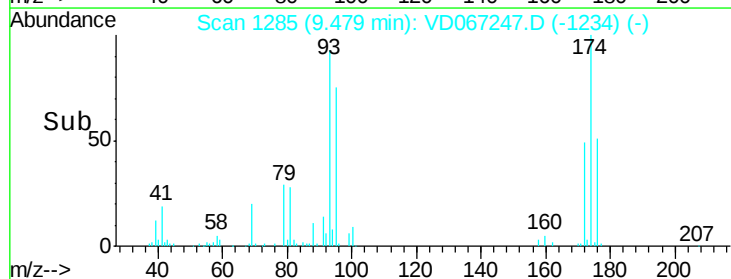
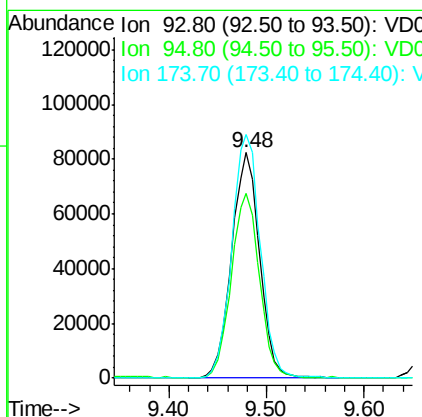
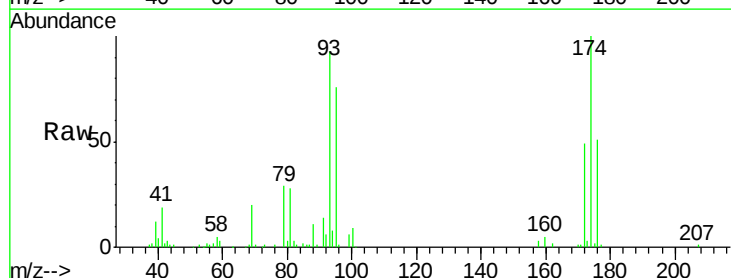
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

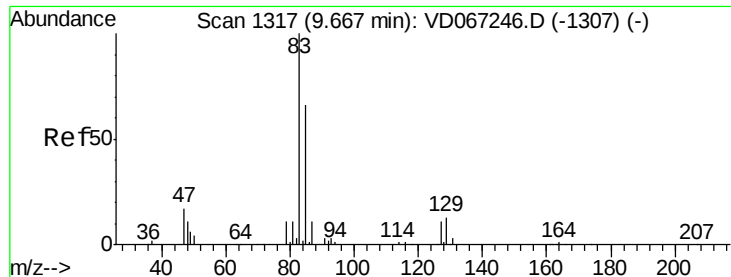
Tgt Ion: 63 Resp: 265530
 Ion Ratio Lower Upper
 63 100
 65 31.8 24.6 36.8



#46
 Dibromomethane
 Concen: 90.237 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD067247.D
 Acq: 13 Oct 2020 12:16

Tgt Ion: 93 Resp: 164600
 Ion Ratio Lower Upper
 93 100
 95 82.3 68.0 102.0
 174 109.9 91.8 137.6





#47

Bromodichloromethane

Concen: 93.081 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD067247.D

Acq: 13 Oct 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

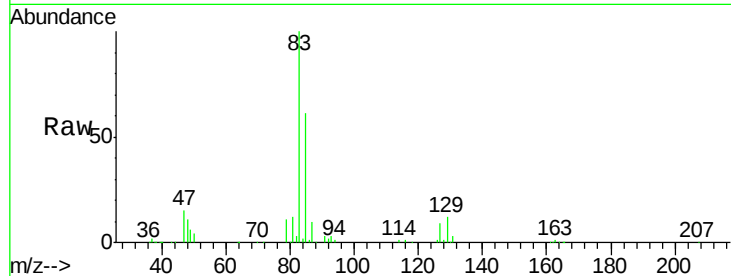
Tgt Ion: 83 Resp: 449658

Ion Ratio Lower Upper

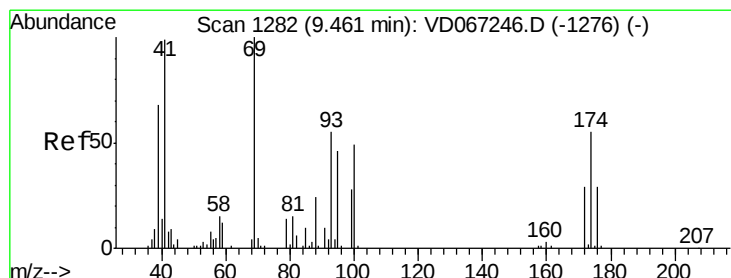
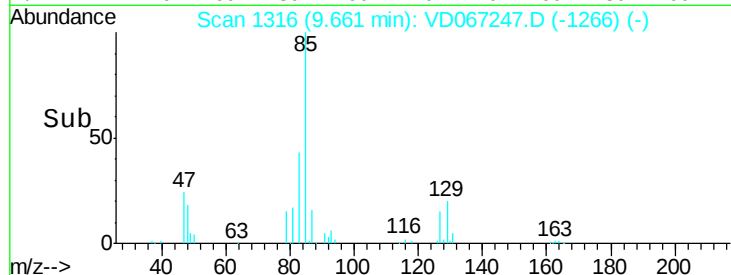
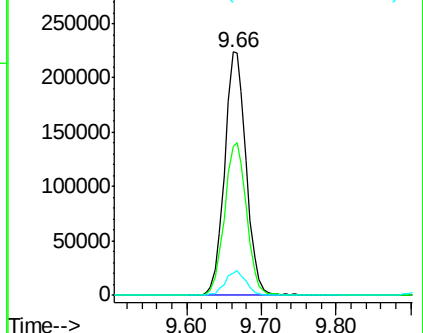
83 100

85 61.4 53.1 79.7

127 9.2 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: 98.313 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD067247.D

Acq: 13 Oct 2020 12:16

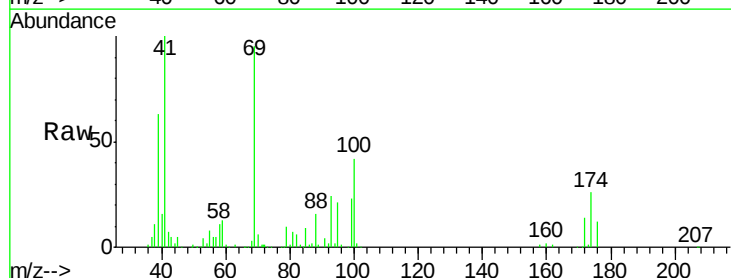
Tgt Ion: 41 Resp: 124580

Ion Ratio Lower Upper

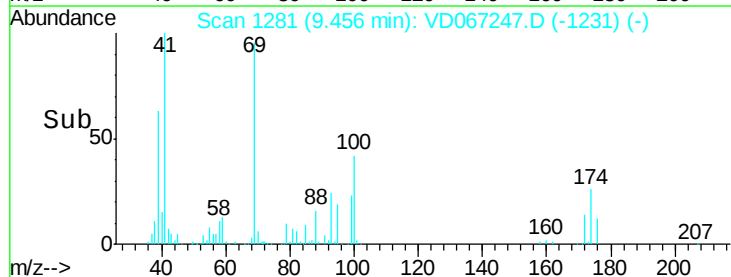
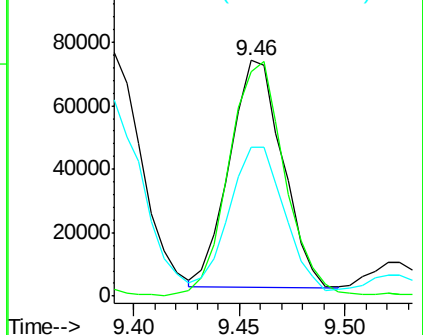
41 100

69 109.9 89.0 133.6

39 64.8 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

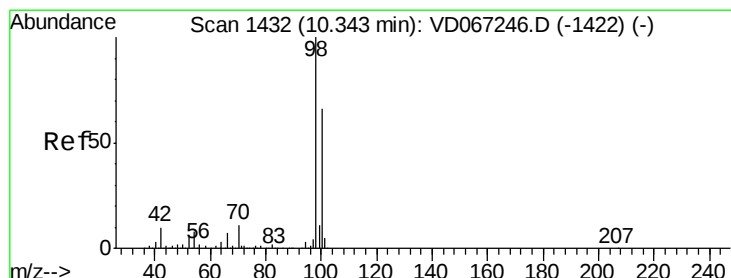
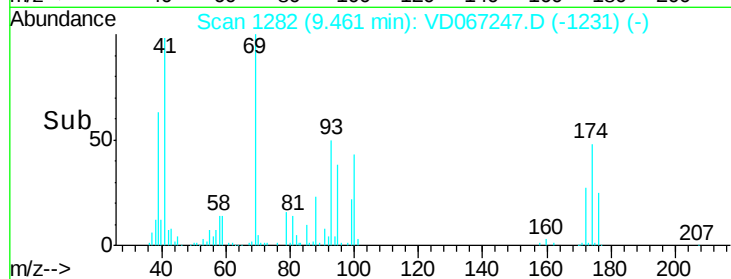
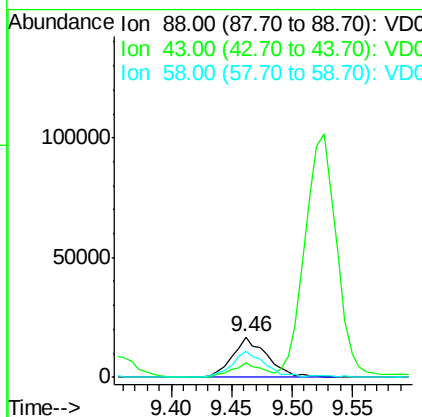
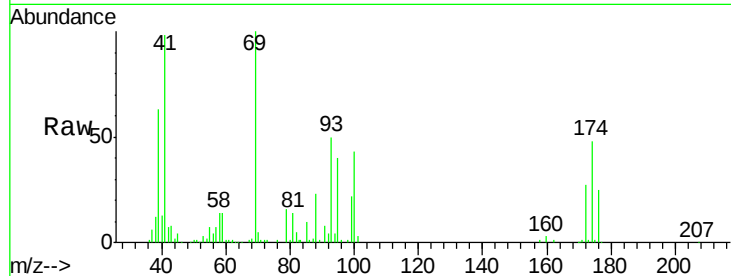




#49
1,4-Dioxane
Concen: 1751.224 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD067247.D
Acq: 13 Oct 2020 12:16

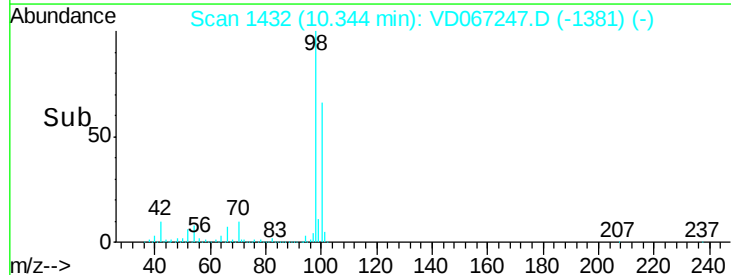
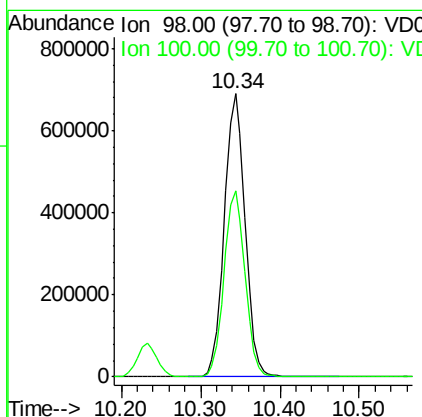
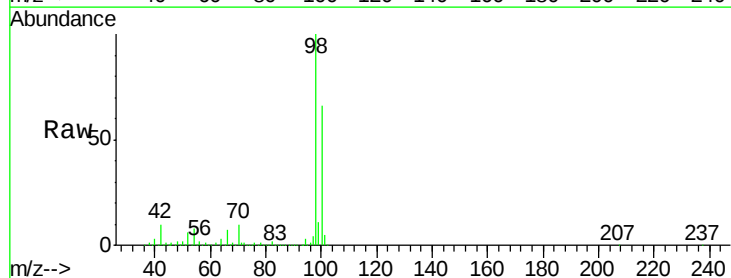
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

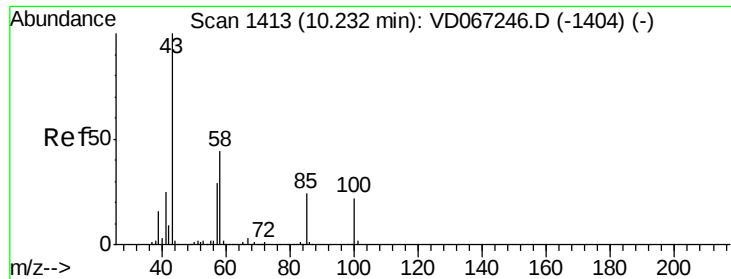
Tgt Ion: 88 Resp: 33883
Ion Ratio Lower Upper
88 100
43 31.7 23.9 35.9
58 60.5 51.0 76.6



#50
Toluene-d8
Concen: 98.274 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067247.D
Acq: 13 Oct 2020 12:16

Tgt Ion: 98 Resp: 1249079
Ion Ratio Lower Upper
98 100
100 66.1 53.1 79.7

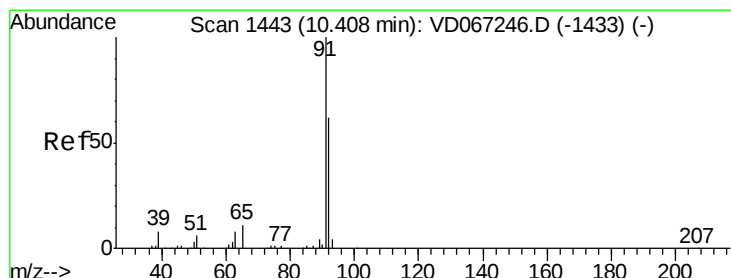
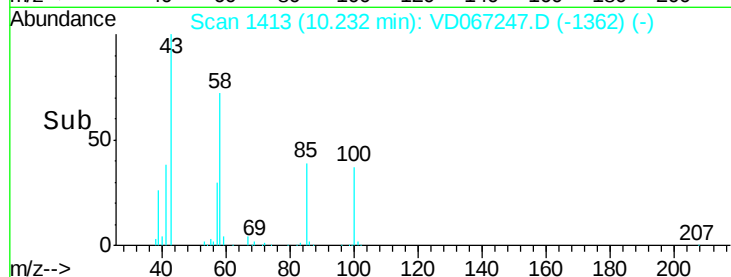
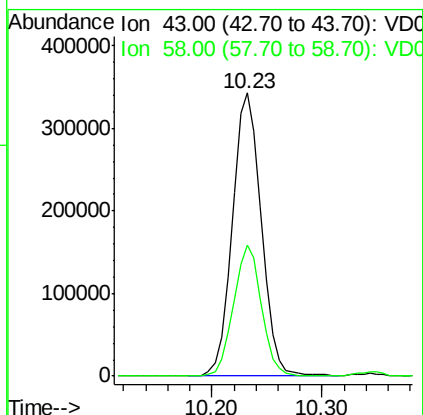
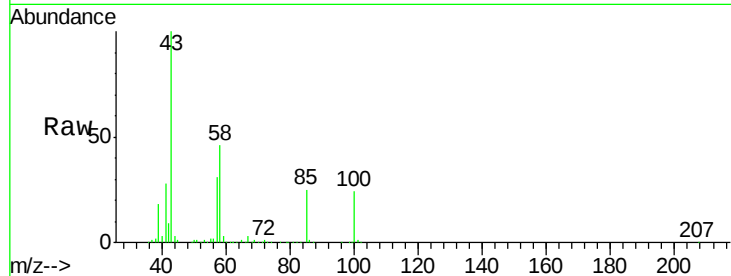




#51
 4-Methyl-2-Pentanone
 Concen: 476.595 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. 0.00 min
 Lab File: VD067247.D
 Acq: 13 Oct 2020 12:16

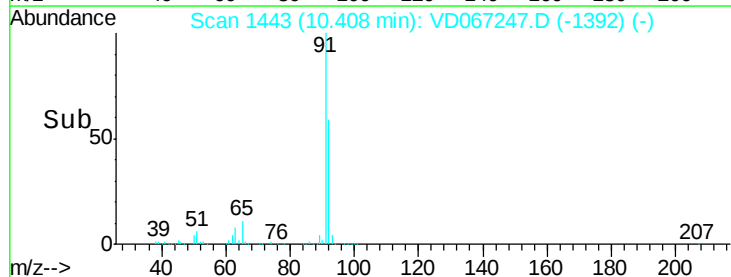
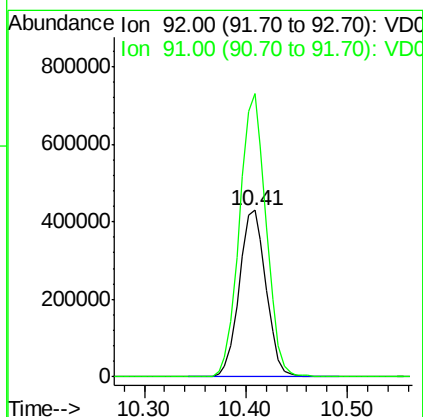
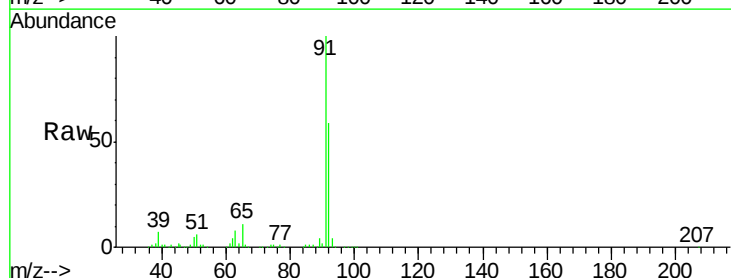
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tgt Ion: 43 Resp: 629070
 Ion Ratio Lower Upper
 43 100
 58 44.7 35.7 53.5



#52
 Toluene
 Concen: 92.513 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. 0.00 min
 Lab File: VD067247.D
 Acq: 13 Oct 2020 12:16

Tgt Ion: 92 Resp: 790111
 Ion Ratio Lower Upper
 92 100
 91 167.8 133.8 200.8





#53

t-1,3-Dichloropropene

Concen: 96.496 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD067247.D

Acq: 13 Oct 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

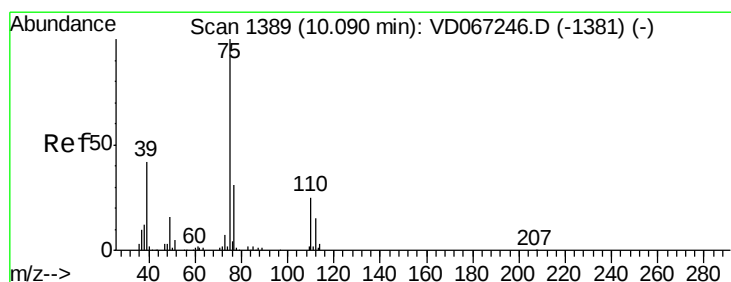
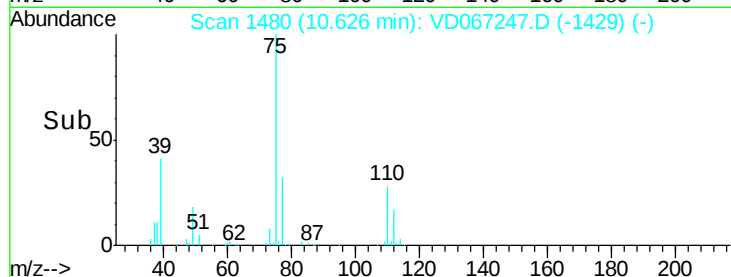
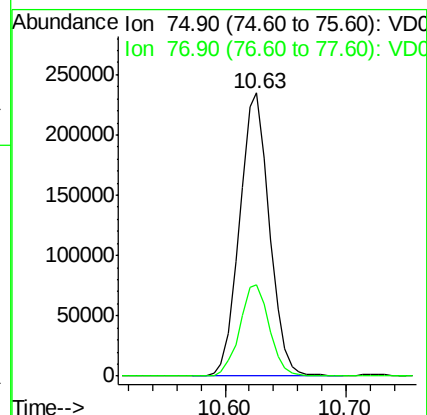
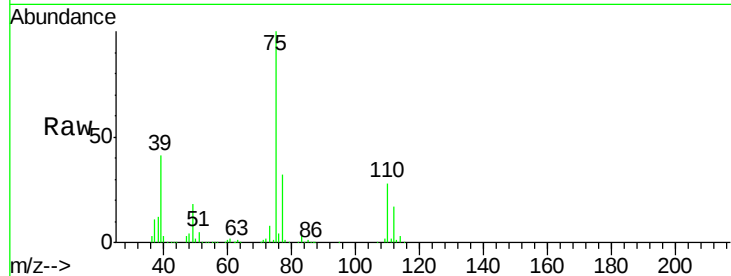
VSTDIC100

Tgt Ion: 75 Resp: 405465

Ion Ratio Lower Upper

75 100

77 32.3 26.5 39.7



#54

cis-1,3-Dichloropropene

Concen: 94.992 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD067247.D

Acq: 13 Oct 2020 12:16

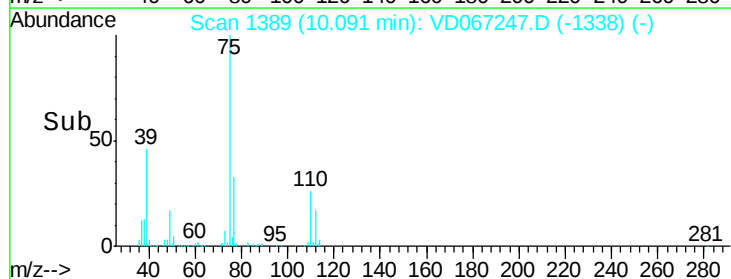
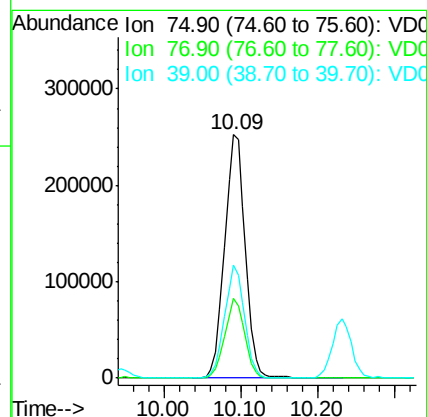
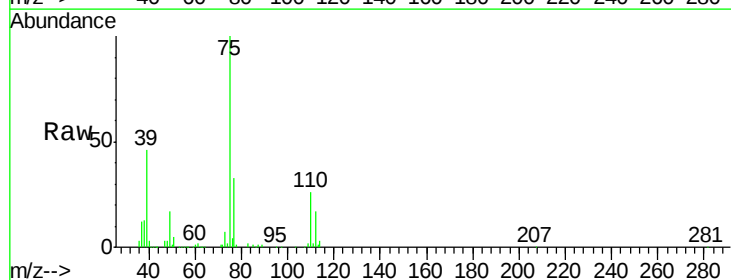
Tgt Ion: 75 Resp: 467625

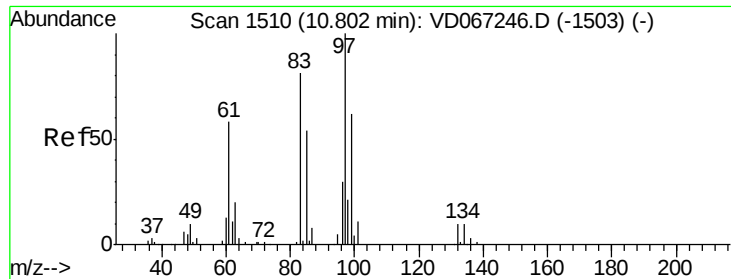
Ion Ratio Lower Upper

75 100

77 32.8 24.5 36.7

39 46.1 33.7 50.5





#55

1,1,2-Trichloroethane

Concen: 87.372 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD067247.D

Acq: 13 Oct 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tgt Ion: 97 Resp: 218835

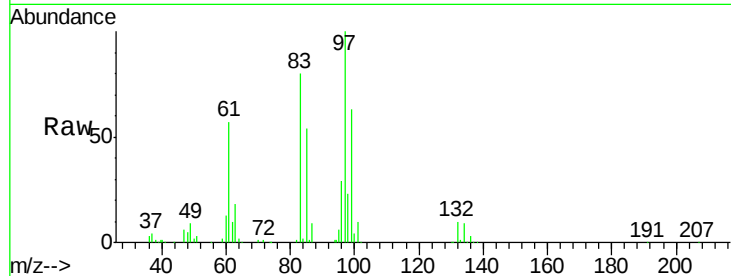
Ion Ratio Lower Upper

97 100

83 79.9 64.9 97.3

85 54.2 43.3 64.9

99 62.8 49.1 73.7

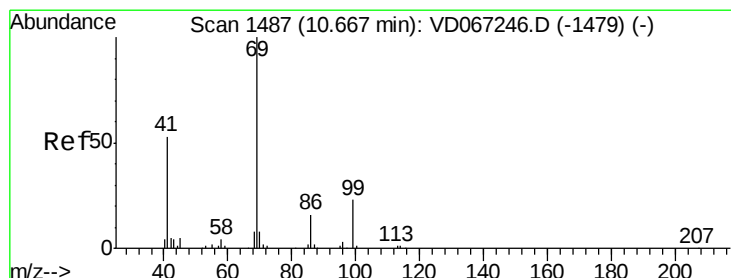
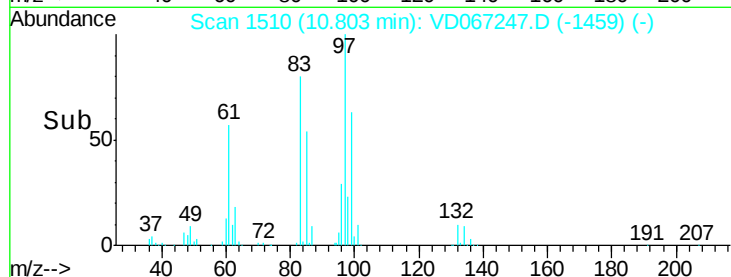
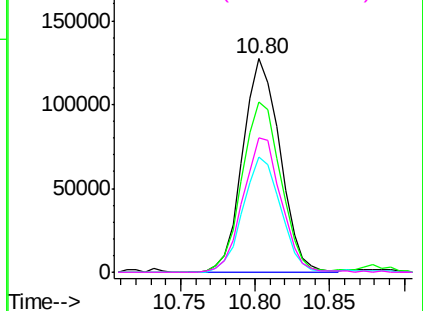


Abundance Ion 96.90 (96.60 to 97.60): VDC

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: 105.095 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. -0.01 min

Lab File: VD067247.D

Acq: 13 Oct 2020 12:16

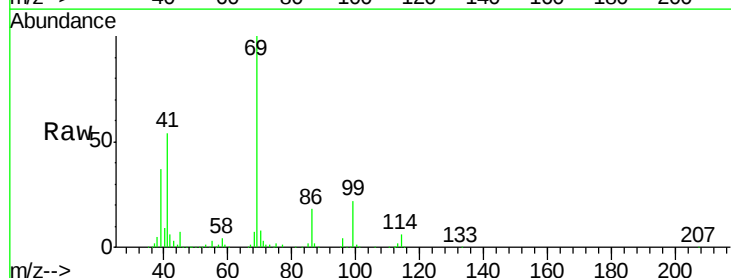
Tgt Ion: 69 Resp: 257186

Ion Ratio Lower Upper

69 100

41 56.4 44.7 67.1

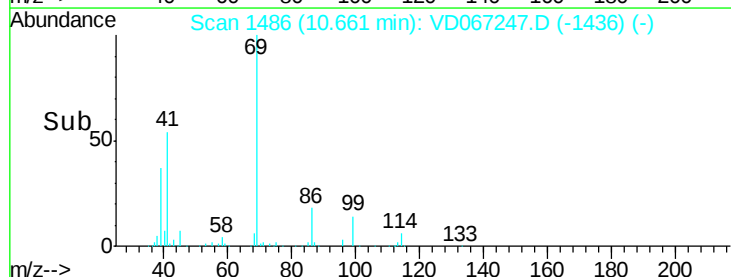
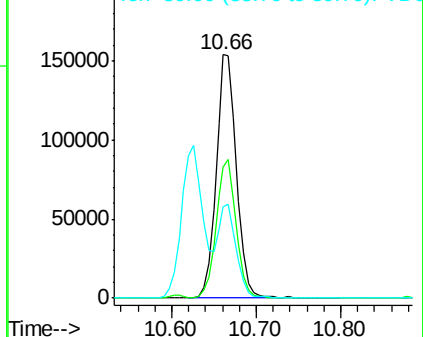
39 33.2 26.2 39.2

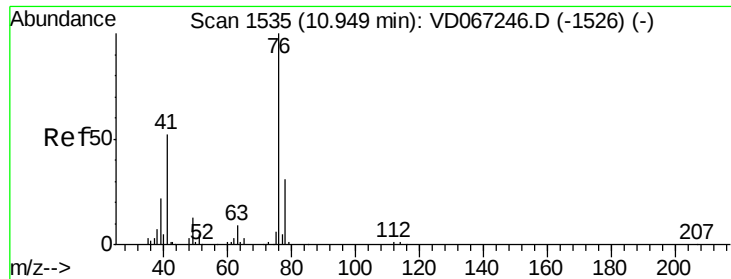


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

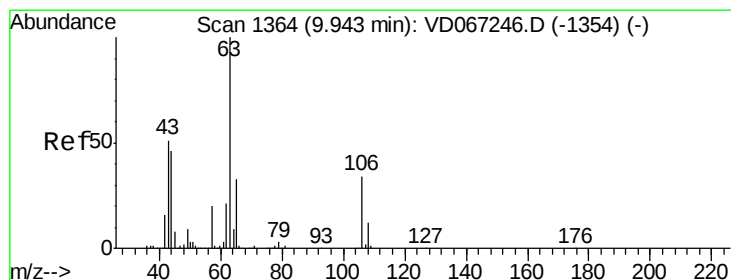
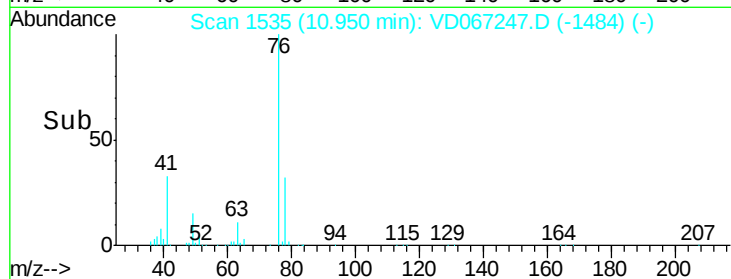
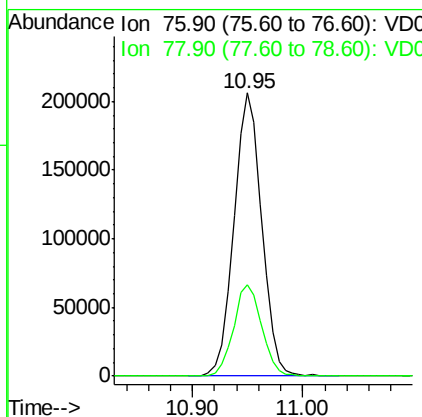
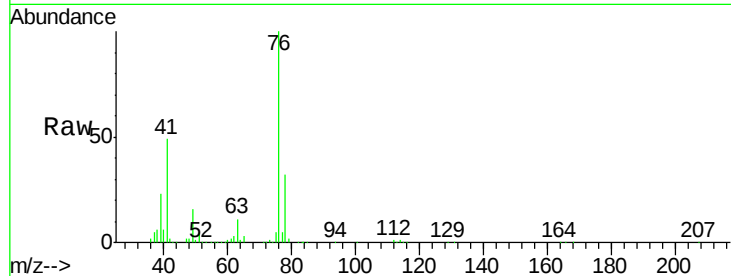




#57
 1,3-Dichloropropane
 Concen: 92.845 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD067247.D
 Acq: 13 Oct 2020 12:16

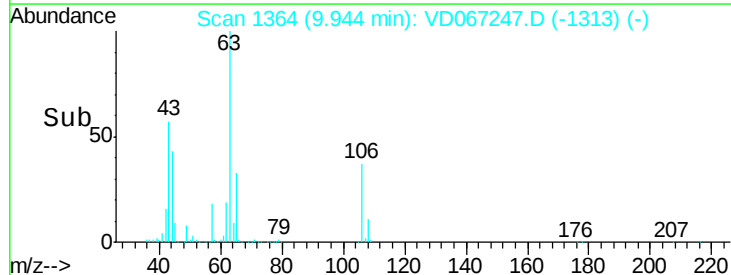
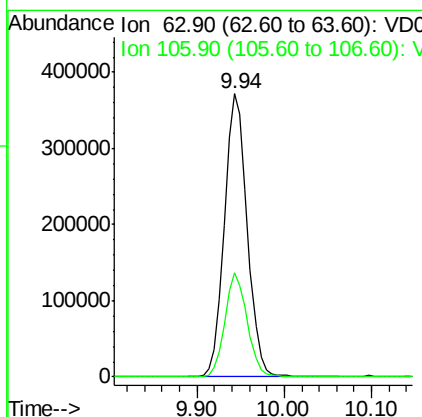
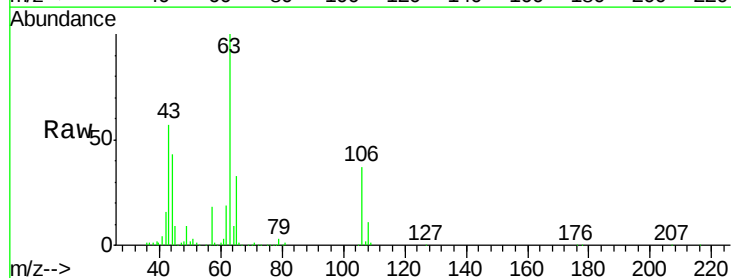
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

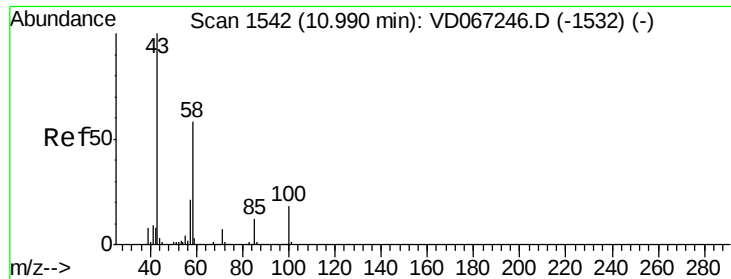
Tgt Ion: 76 Resp: 364049
 Ion Ratio Lower Upper
 76 100
 78 32.8 26.8 40.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 528.600 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD067247.D
 Acq: 13 Oct 2020 12:16

Tgt Ion: 63 Resp: 666304
 Ion Ratio Lower Upper
 63 100
 106 35.6 27.8 41.6

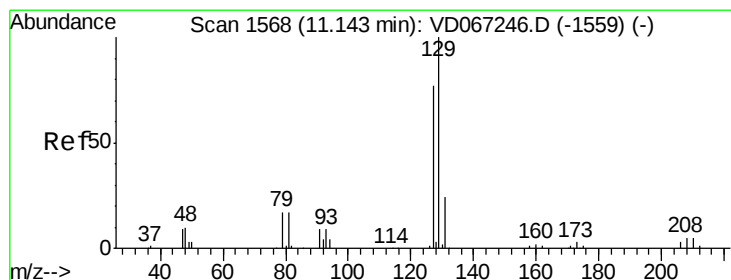
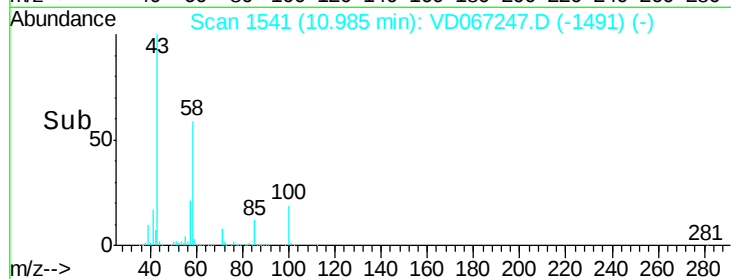
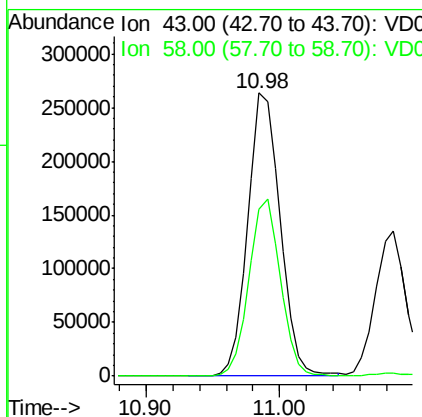
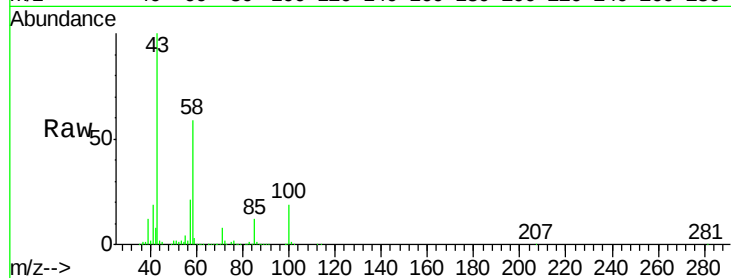




#59
2-Hexanone
Concen: 497.081 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD067247.D
Acq: 13 Oct 2020 12:16

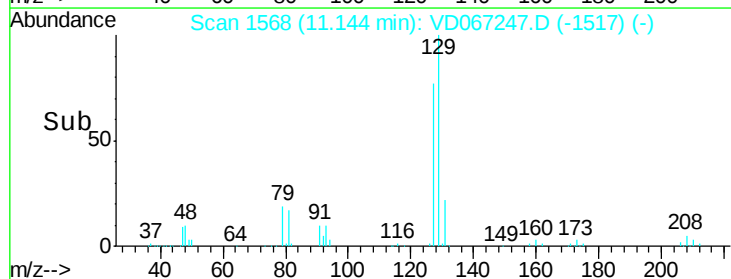
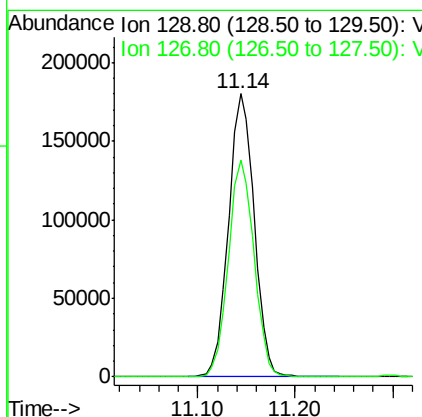
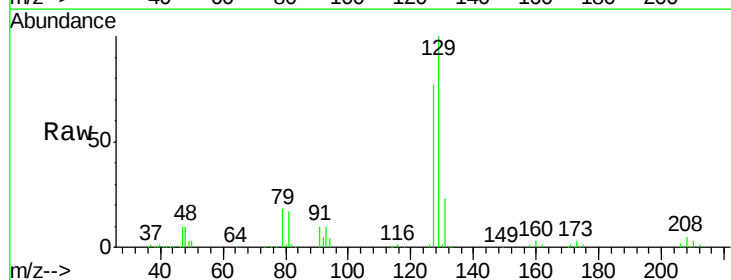
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

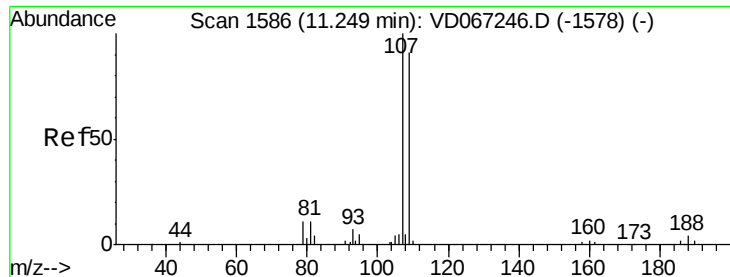
Tgt Ion: 43 Resp: 441817
Ion Ratio Lower Upper
43 100
58 60.7 29.3 87.9



#60
Dibromochloromethane
Concen: 91.098 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067247.D
Acq: 13 Oct 2020 12:16

Tgt Ion: 129 Resp: 329537
Ion Ratio Lower Upper
129 100
127 76.5 38.3 114.8

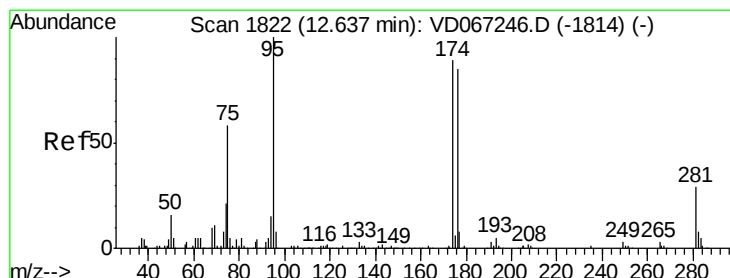
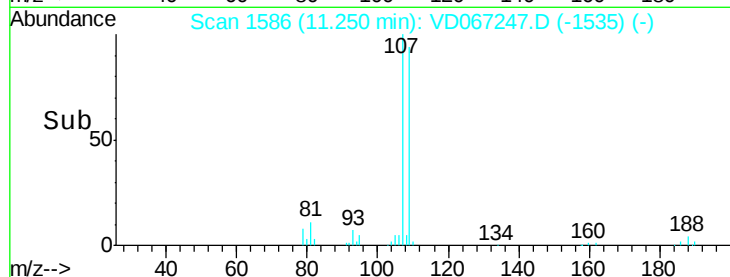
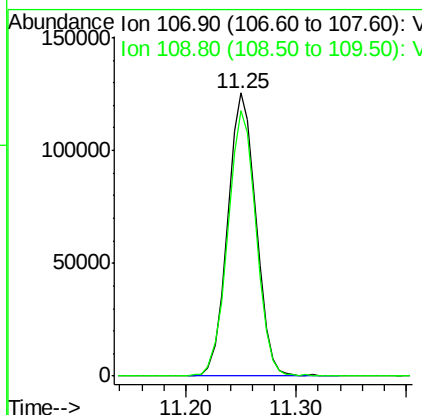
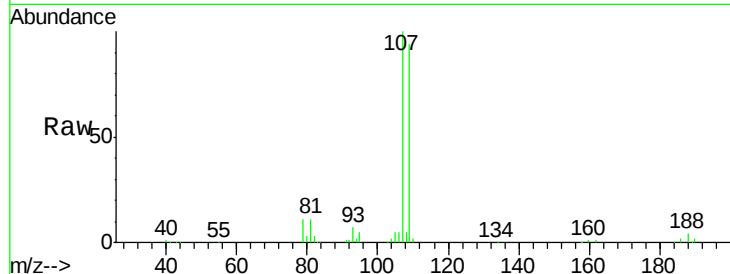




#61
 1,2-Dibromoethane
 Concen: 92.733 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067247.D
 Acq: 13 Oct 2020 12:16

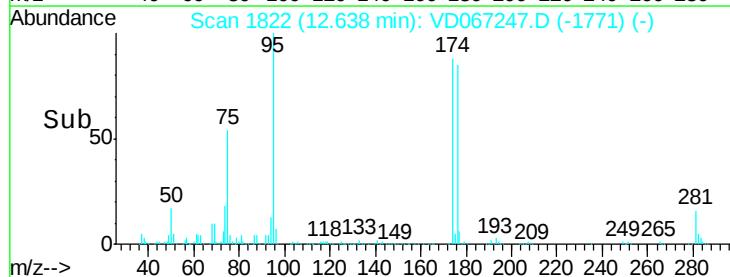
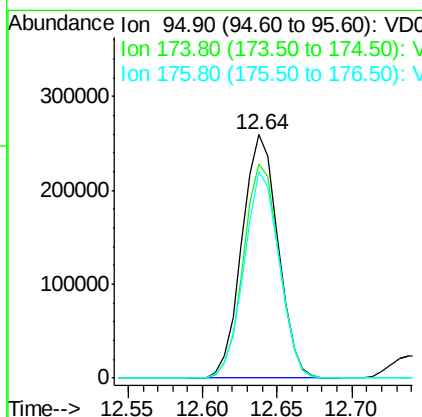
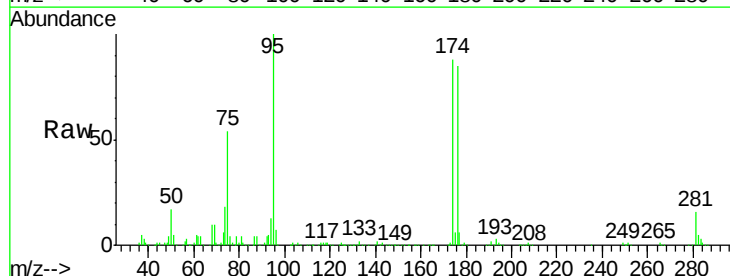
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tgt Ion: 107 Resp: 226118
 Ion Ratio Lower Upper
 107 100
 109 93.7 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 97.788 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067247.D
 Acq: 13 Oct 2020 12:16

Tgt Ion: 95 Resp: 432382
 Ion Ratio Lower Upper
 95 100
 174 87.2 0.0 175.2
 176 83.2 0.0 168.6

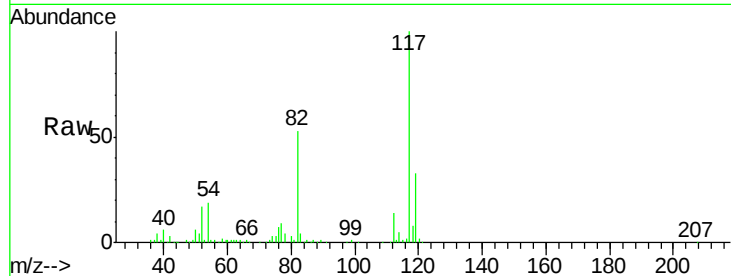




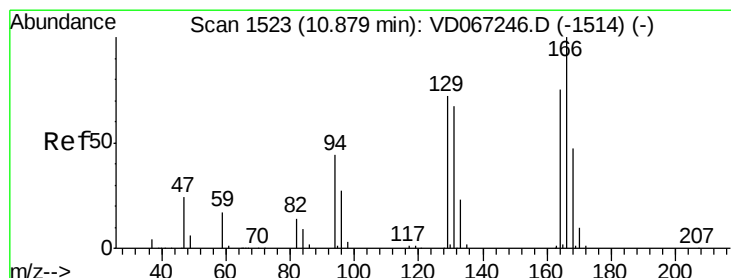
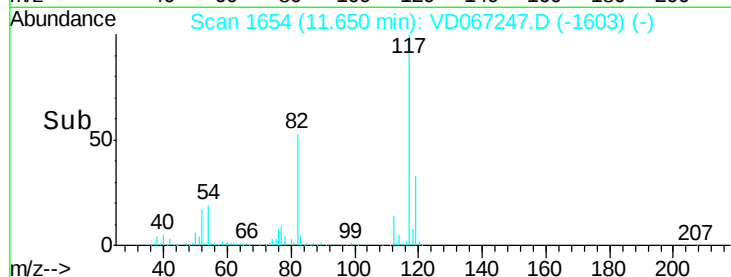
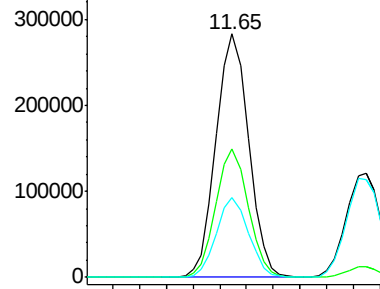
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067247.D
Acq: 13 Oct 2020 12:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion:117 Resp: 482067
Ion Ratio Lower Upper
117 100
82 52.6 39.9 59.9
119 32.9 24.9 37.3

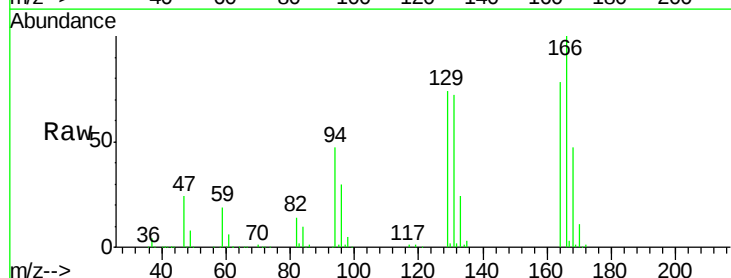


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

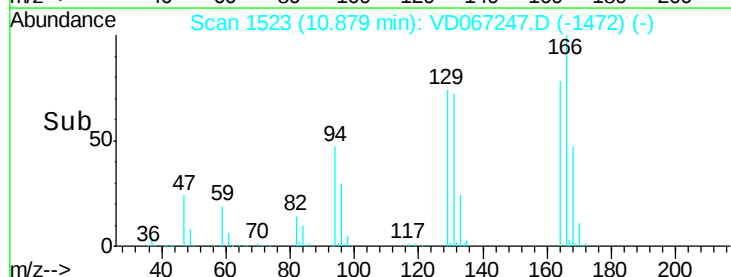
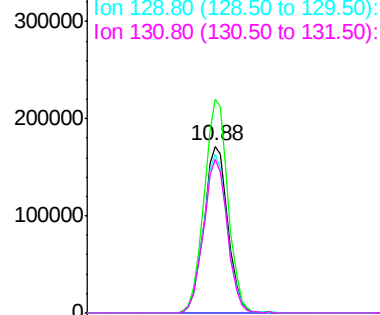


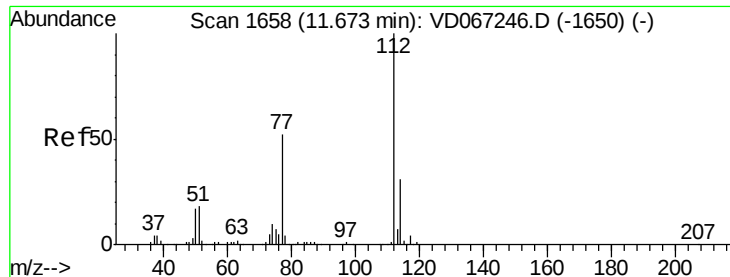
#64
Tetrachloroethene
Concen: 86.305 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067247.D
Acq: 13 Oct 2020 12:16

Tgt Ion:164 Resp: 317048
Ion Ratio Lower Upper
164 100
166 127.9 107.3 160.9
129 95.2 77.3 115.9
131 92.1 71.4 107.2



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

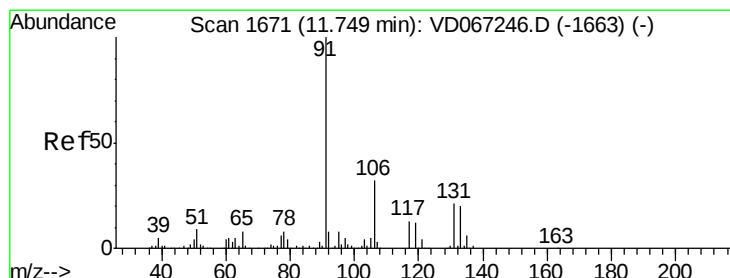
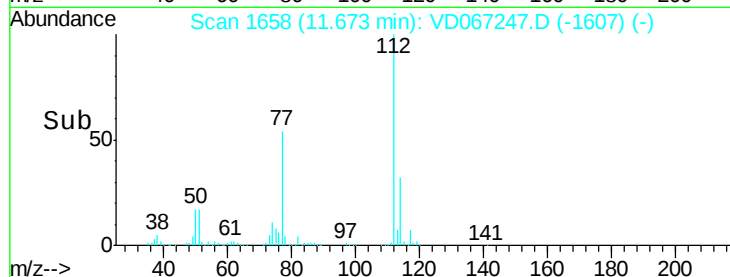
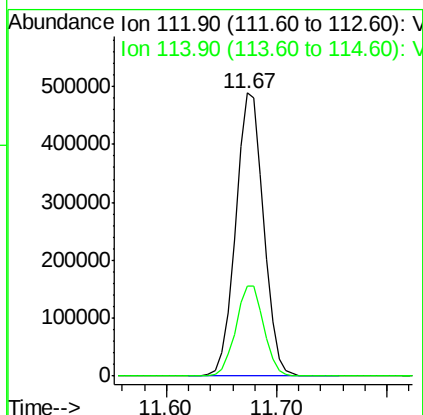
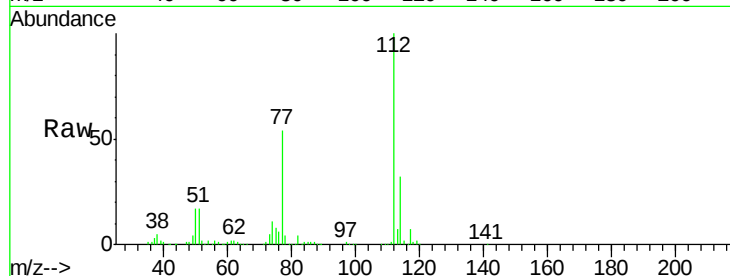




#65
Chlorobenzene
Concen: 90.343 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067247.D
Acq: 13 Oct 2020 12:16

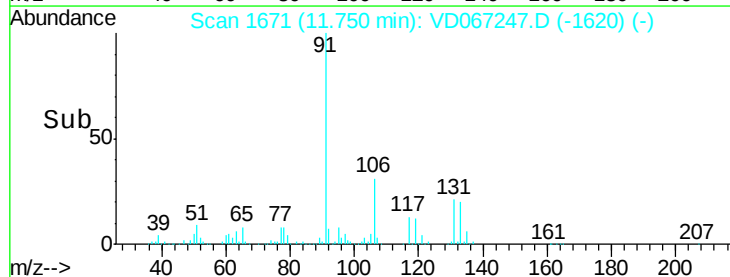
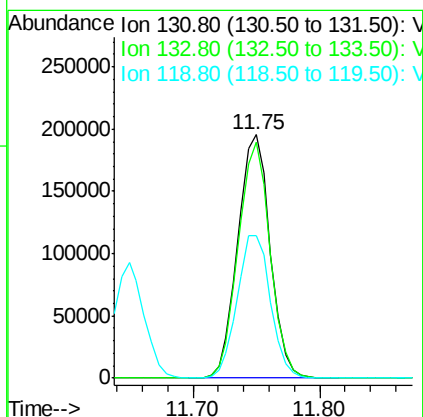
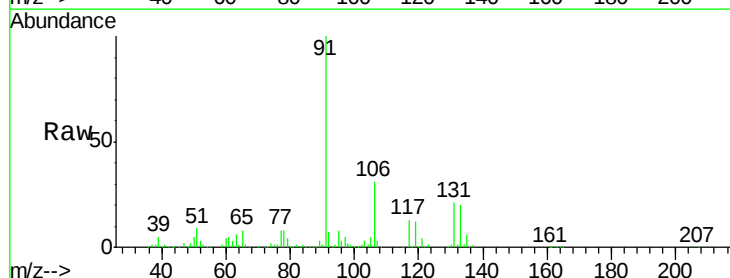
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

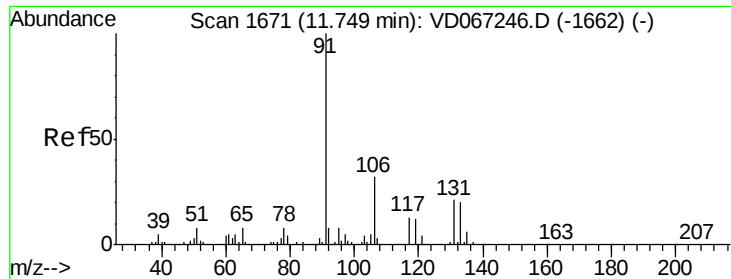
Tgt Ion:112 Resp: 866286
Ion Ratio Lower Upper
112 100
114 31.9 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 90.800 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067247.D
Acq: 13 Oct 2020 12:16

Tgt Ion:131 Resp: 345732
Ion Ratio Lower Upper
131 100
133 95.5 48.1 144.3
119 60.5 30.0 90.0





#67

Ethyl Benzene

Concen: 95.220 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067247.D

Acq: 13 Oct 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

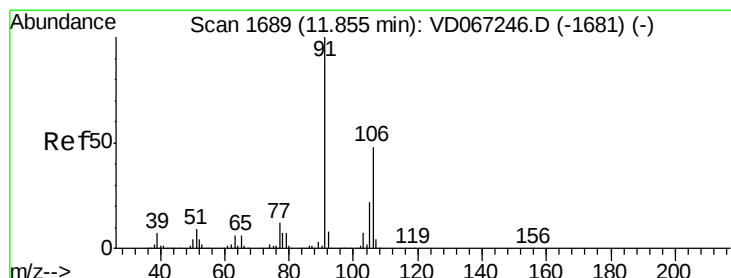
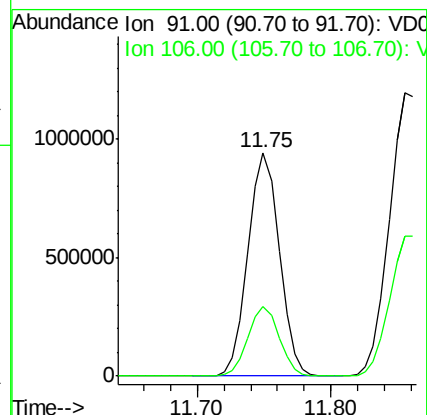
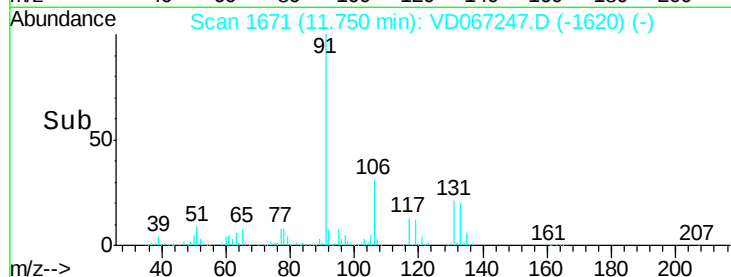
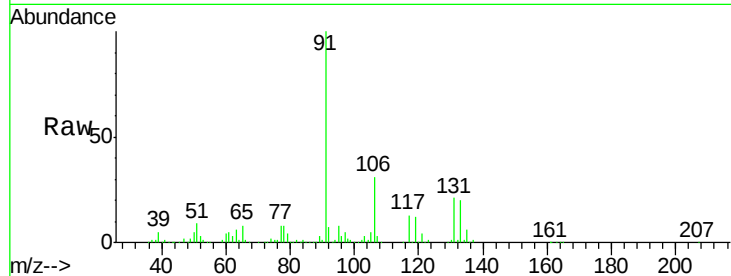
VSTDIC100

Tgt Ion: 91 Resp: 1536198

Ion Ratio Lower Upper

91 100

106 31.2 25.4 38.0



#68

m/p-Xylenes

Concen: 185.732 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD067247.D

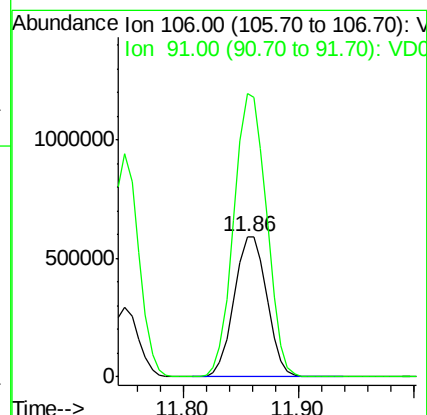
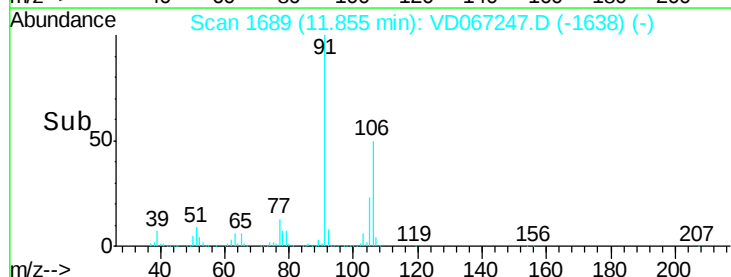
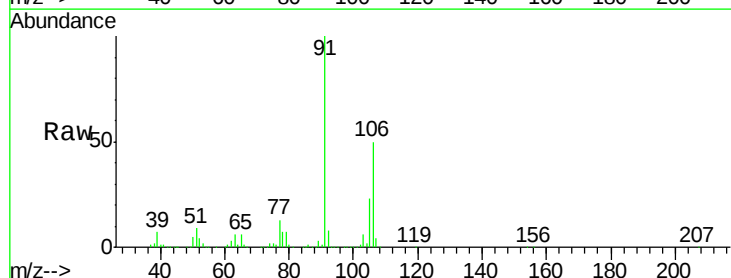
Acq: 13 Oct 2020 12:16

Tgt Ion: 106 Resp: 1164156

Ion Ratio Lower Upper

106 100

91 201.8 163.8 245.8

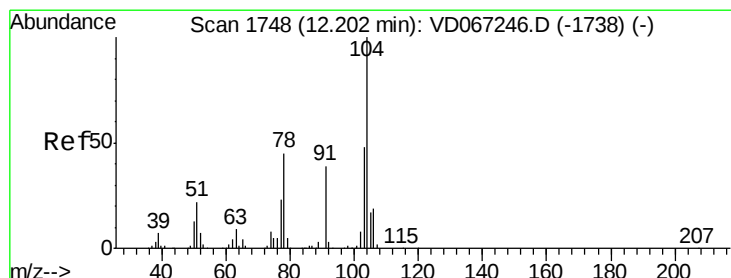
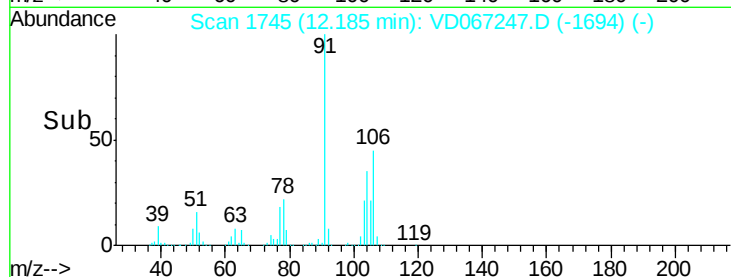
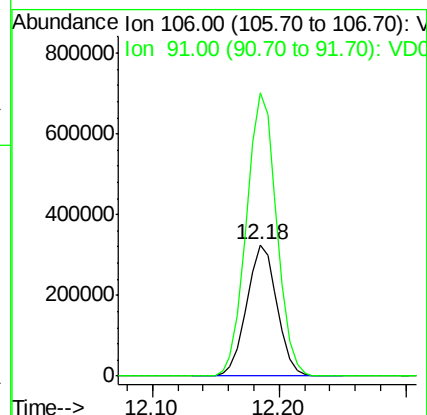
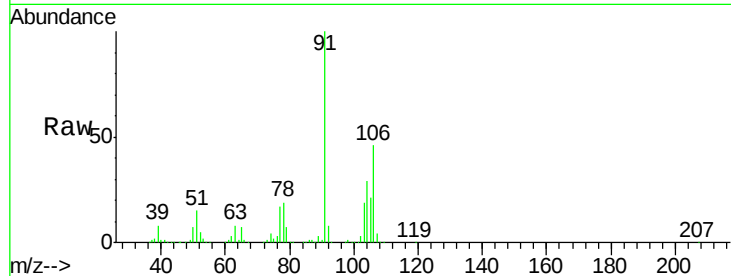




#69
o-Xylene
Concen: 92.867 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067247.D
Acq: 13 Oct 2020 12:16

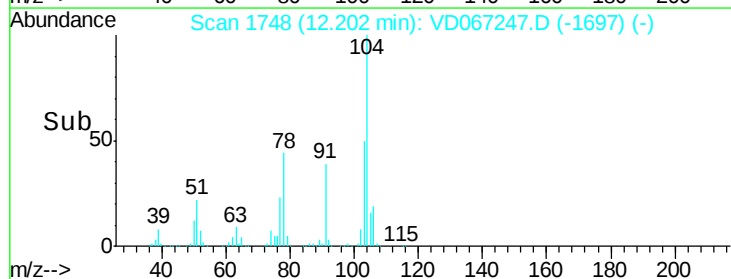
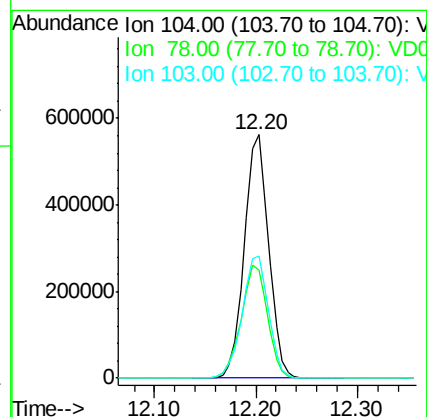
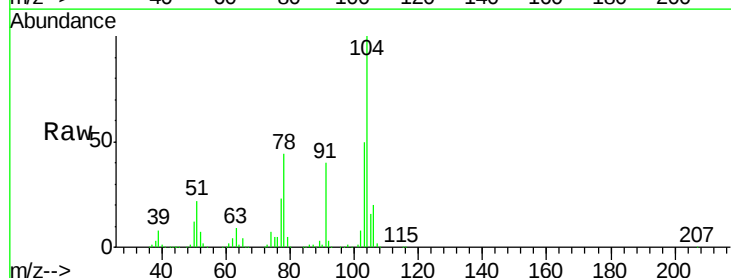
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

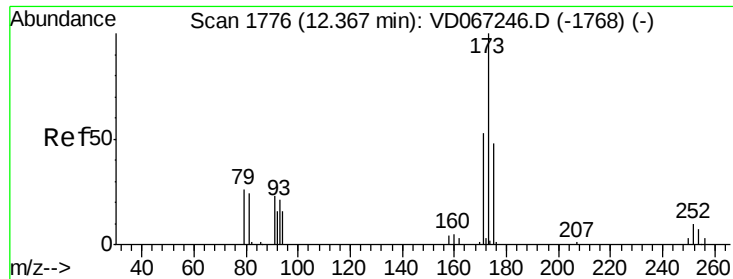
Tgt Ion:106 Resp: 538217
Ion Ratio Lower Upper
106 100
91 214.9 109.1 327.3



#70
Styrene
Concen: 93.997 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD067247.D
Acq: 13 Oct 2020 12:16

Tgt Ion:104 Resp: 936078
Ion Ratio Lower Upper
104 100
78 50.1 39.8 59.6
103 54.2 42.6 64.0





#71

Bromoform

Concen: 91.562 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD067247.D

Acq: 13 Oct 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

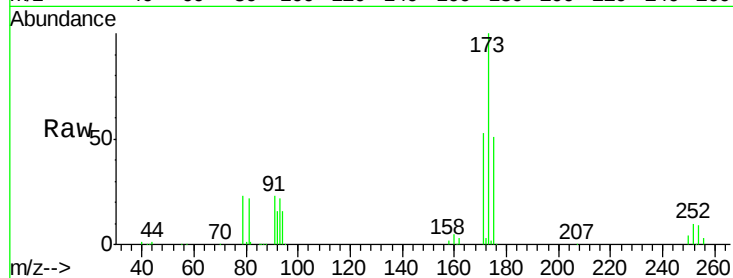
Tgt Ion:173 Resp: 186451

Ion Ratio Lower Upper

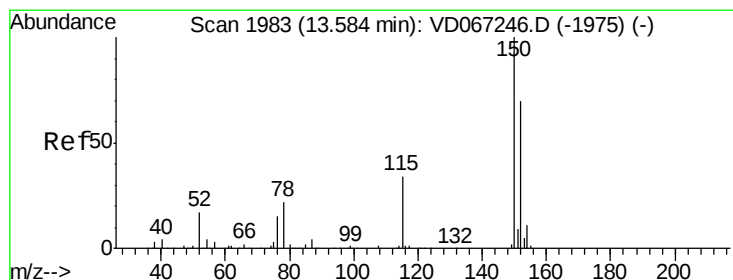
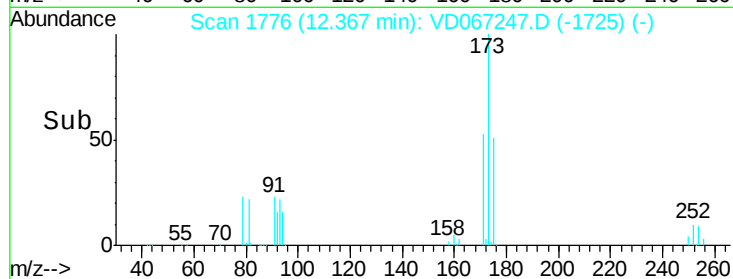
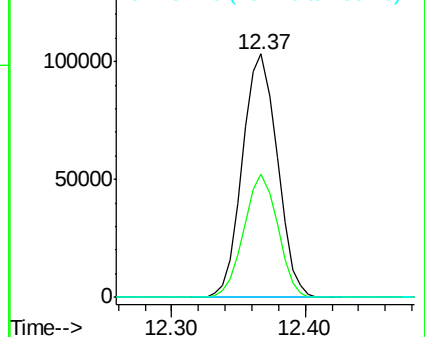
173 100

175 49.0 24.2 72.6

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD067247.D

Acq: 13 Oct 2020 12:16

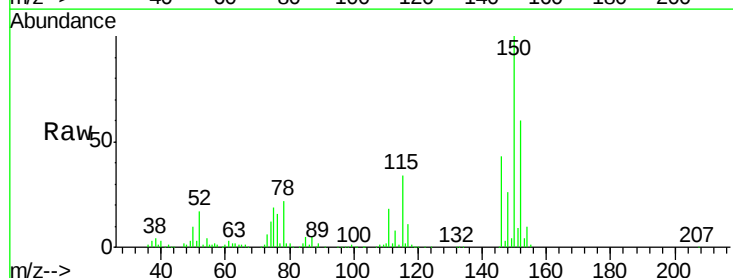
Tgt Ion:152 Resp: 241044

Ion Ratio Lower Upper

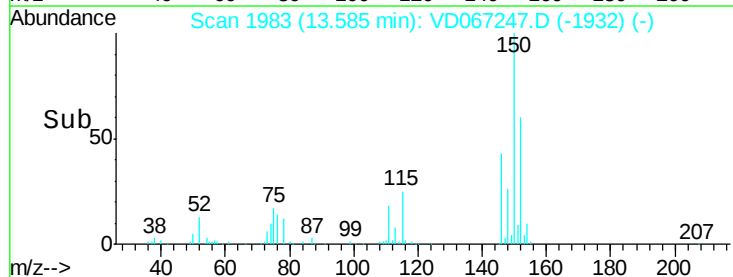
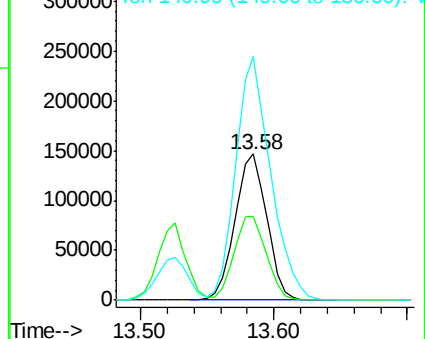
152 100

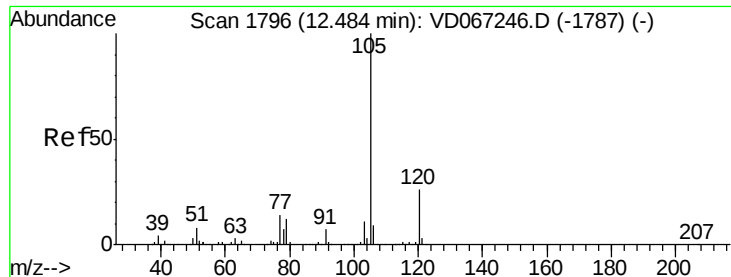
115 58.7 29.3 87.9

150 184.1 0.0 339.0



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





#73

Isopropylbenzene

Concen: 98.524 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067247.D

Acq: 13 Oct 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

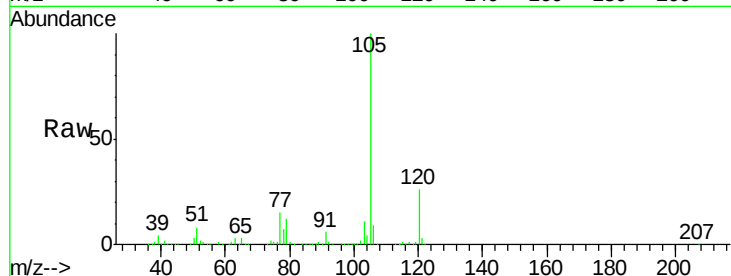
VSTDIC100

Tgt Ion: 105 Resp: 1518665

Ion Ratio Lower Upper

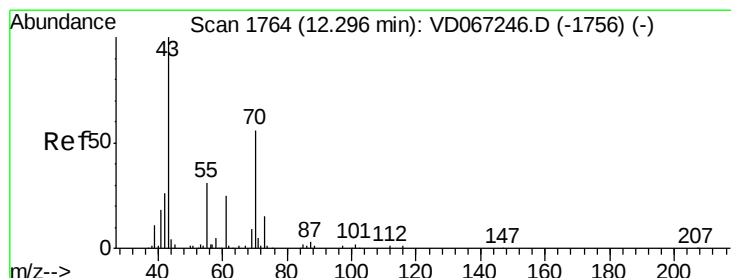
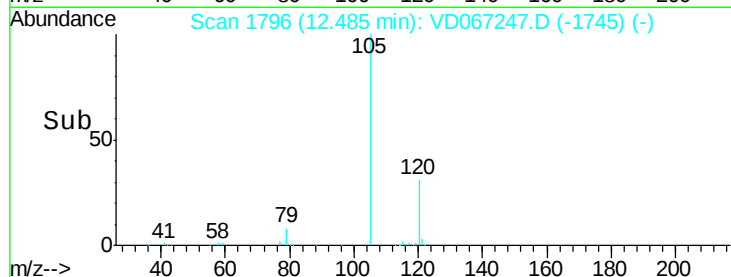
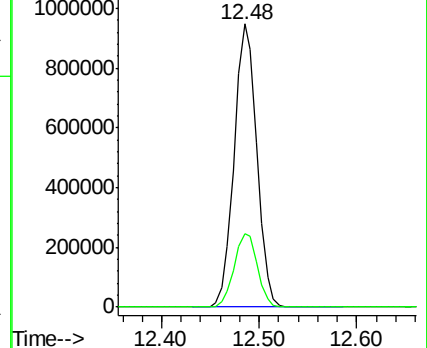
105 100

120 26.5 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: 101.682 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD067247.D

Acq: 13 Oct 2020 12:16

Tgt Ion: 43 Resp: 233432

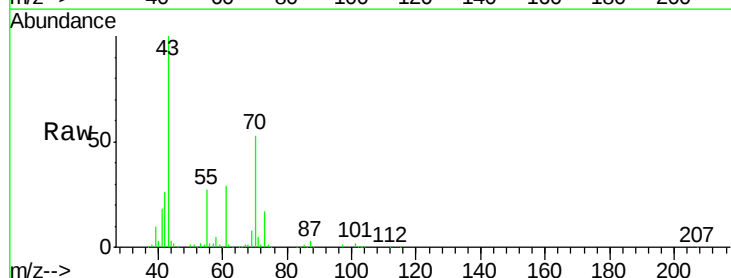
Ion Ratio Lower Upper

43 100

70 52.2 42.7 64.1

55 28.3 24.0 36.0

61 27.9 22.2 33.4

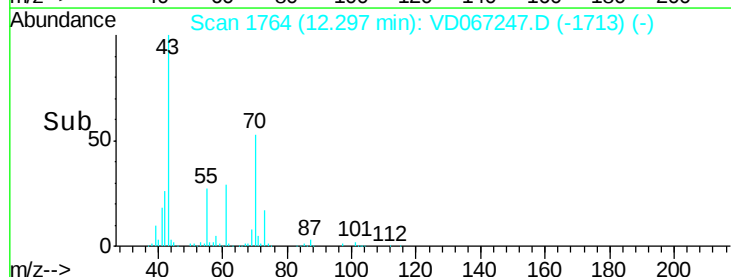
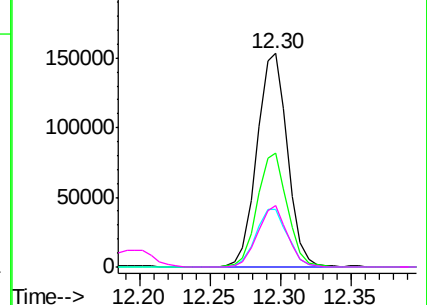


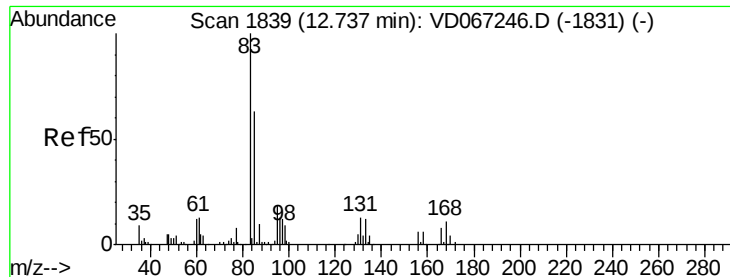
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 93.621 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067247.D

Acq: 13 Oct 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

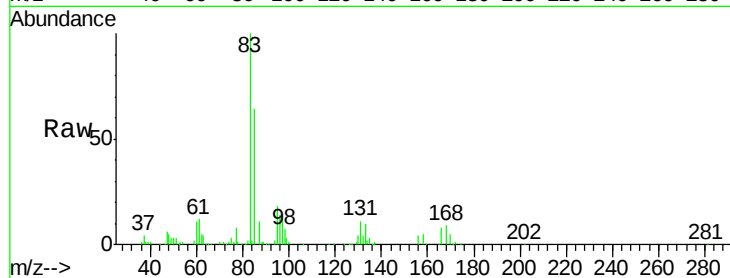
Tgt Ion: 83 Resp: 225600

Ion Ratio Lower Upper

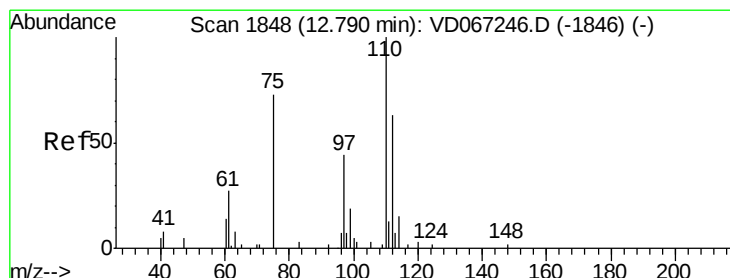
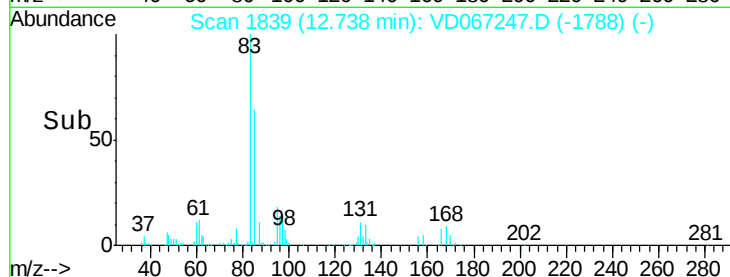
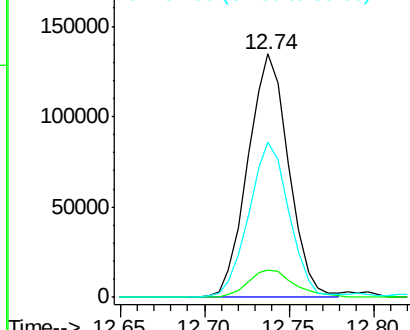
83 100

131 12.8 6.5 19.5

85 63.0 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: 177.780 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD067247.D

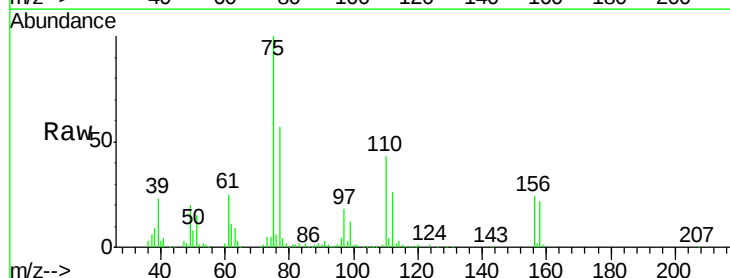
Acq: 13 Oct 2020 12:16

Tgt Ion: 75 Resp: 306477

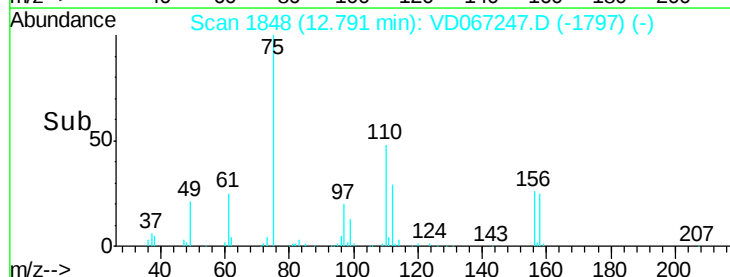
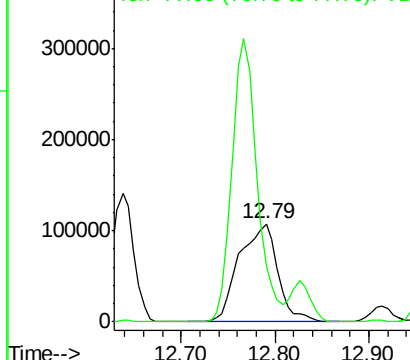
Ion Ratio Lower Upper

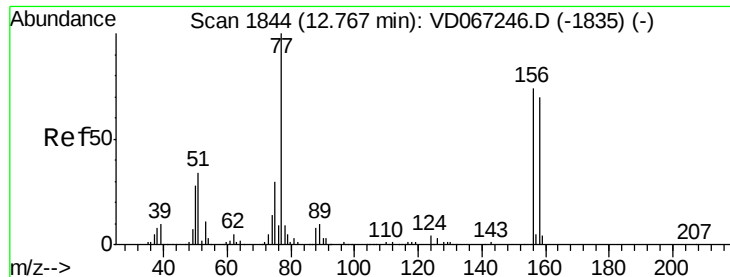
75 100

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: 92.204 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067247.D

Acq: 13 Oct 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

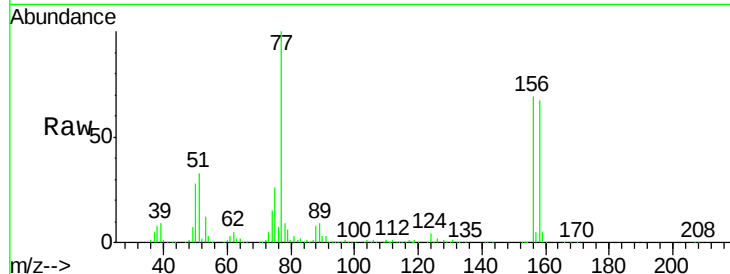
Tgt Ion:156 Resp: 361757

Ion Ratio Lower Upper

156 100

77 159.9 78.0 233.8

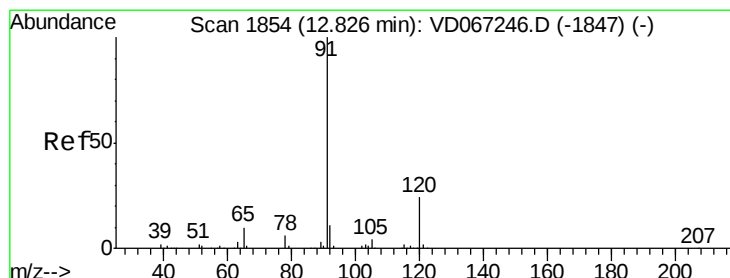
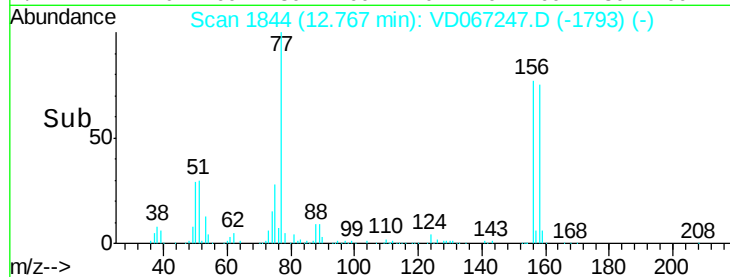
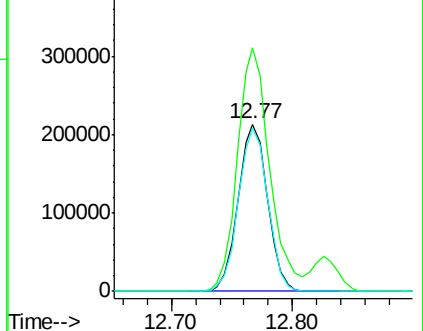
158 98.0 49.1 147.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 93.724 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067247.D

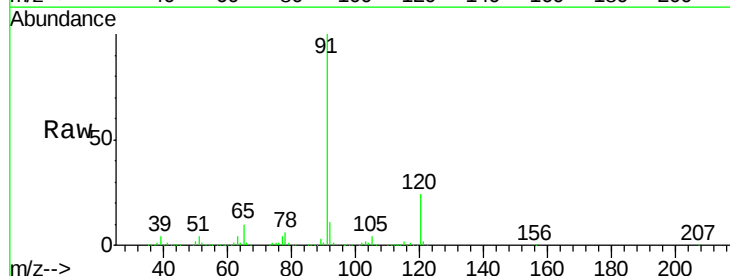
Acq: 13 Oct 2020 12:16

Tgt Ion: 91 Resp: 1699021

Ion Ratio Lower Upper

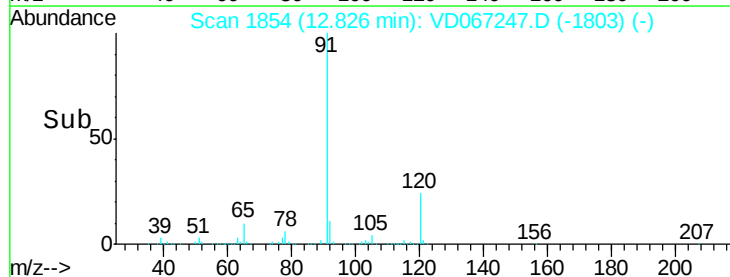
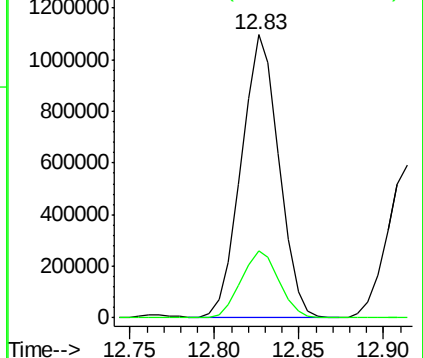
91 100

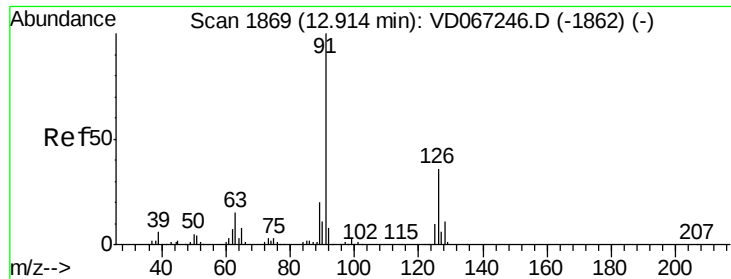
120 24.1 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 91.639 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD067247.D

Acq: 13 Oct 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

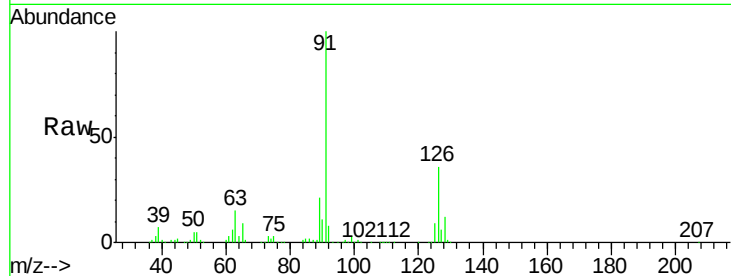
VSTDIC100

Tgt Ion: 91 Resp: 968425

Ion Ratio Lower Upper

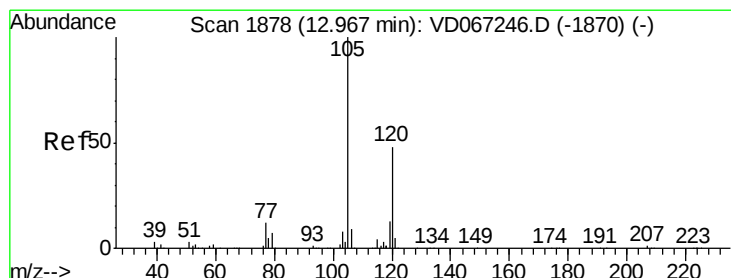
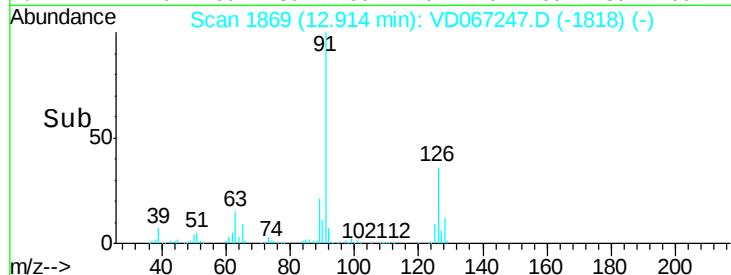
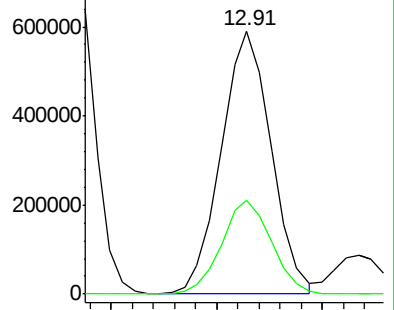
91 100

126 35.8 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VD067247.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD067247.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 94.859 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD067247.D

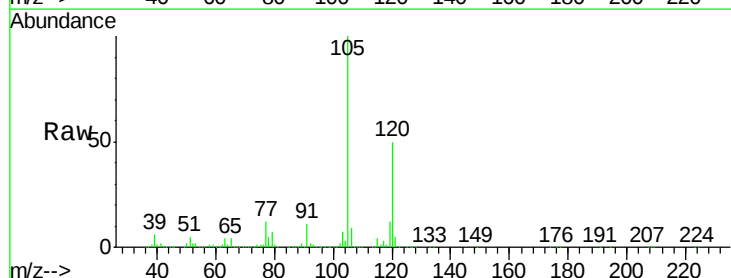
Acq: 13 Oct 2020 12:16

Tgt Ion: 105 Resp: 1286606

Ion Ratio Lower Upper

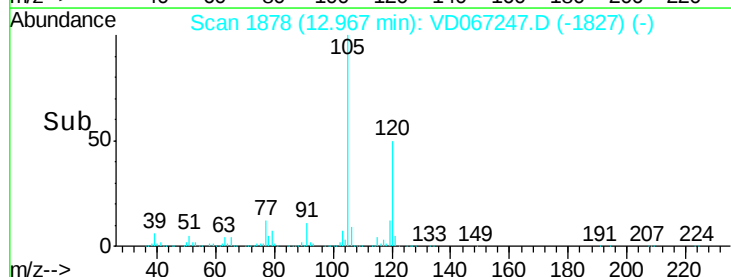
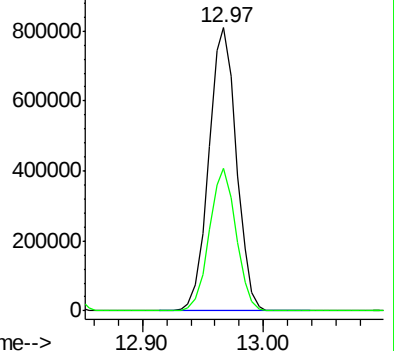
105 100

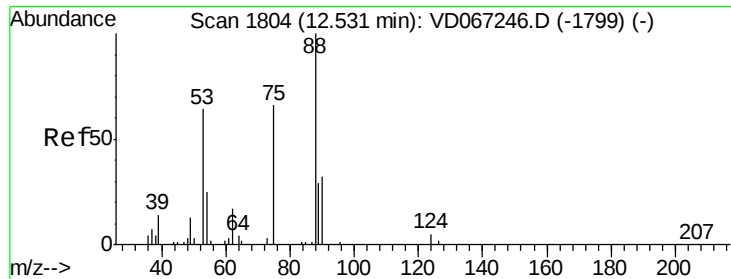
120 49.0 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VD067247.D (-1870) (-)

Ion 120.00 (119.70 to 120.70): VD067247.D (-1870) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 96.798 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD067247.D

Acq: 13 Oct 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

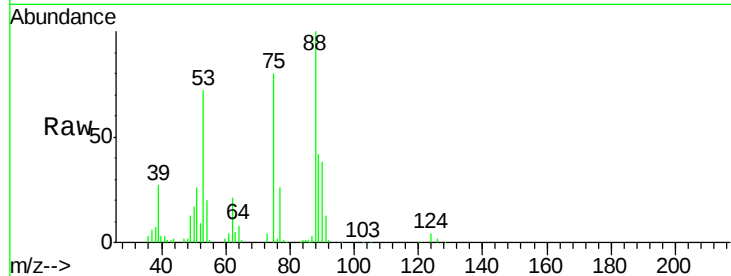
Tgt Ion: 75 Resp: 71850

Ion Ratio Lower Upper

75 100

53 94.8 78.5 117.7

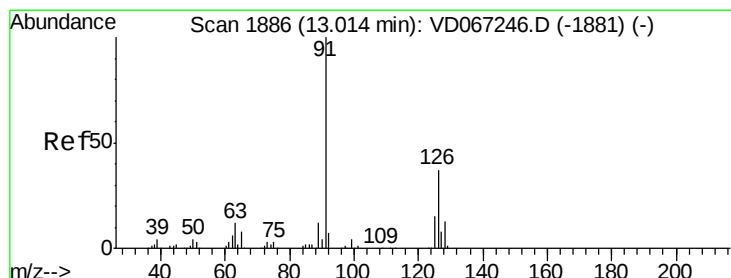
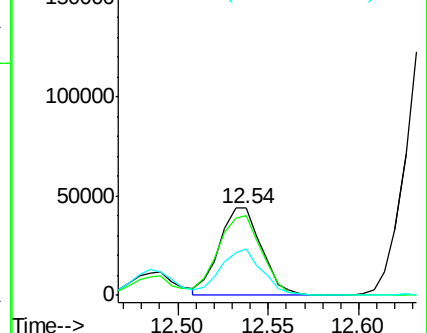
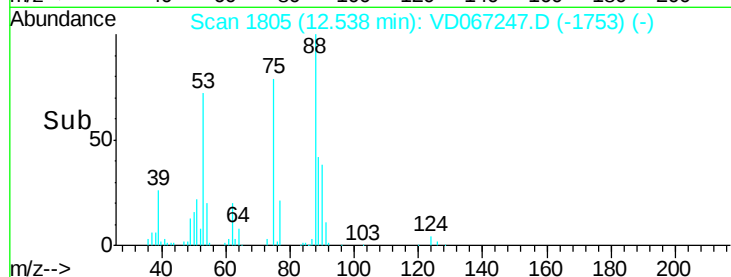
89 52.2 39.9 59.9



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: 91.280 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD067247.D

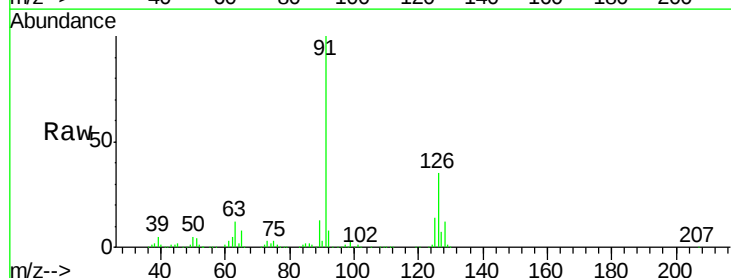
Acq: 13 Oct 2020 12:16

Tgt Ion: 91 Resp: 1029439

Ion Ratio Lower Upper

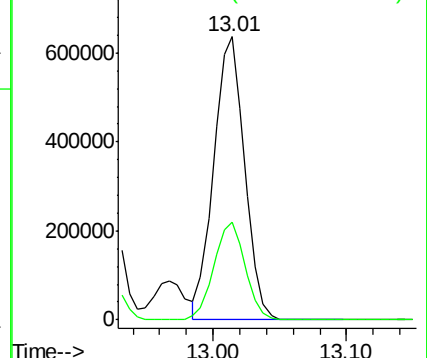
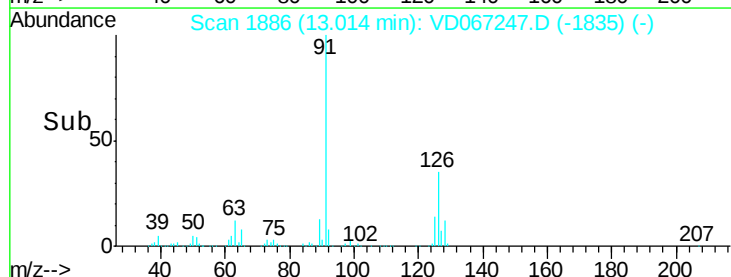
91 100

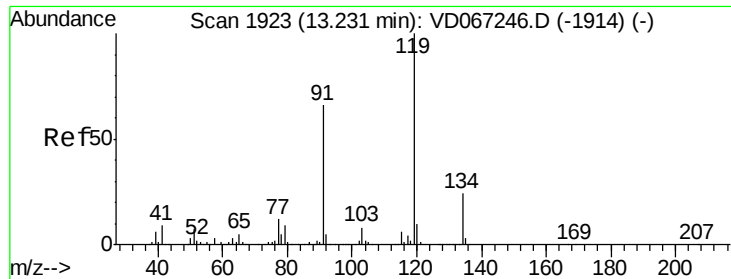
126 35.1 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

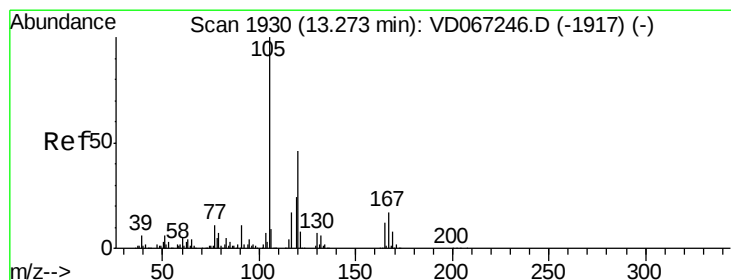
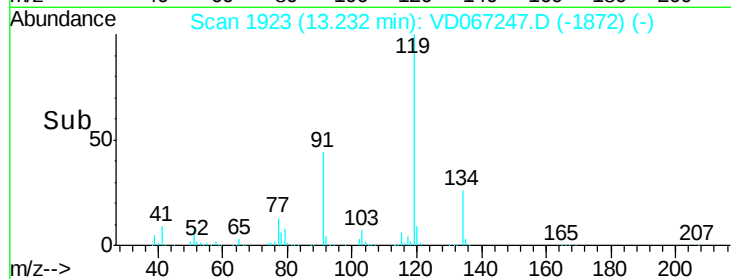
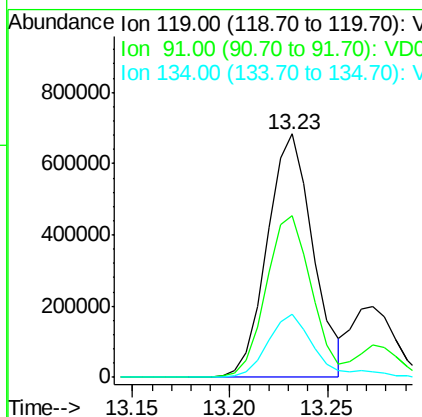
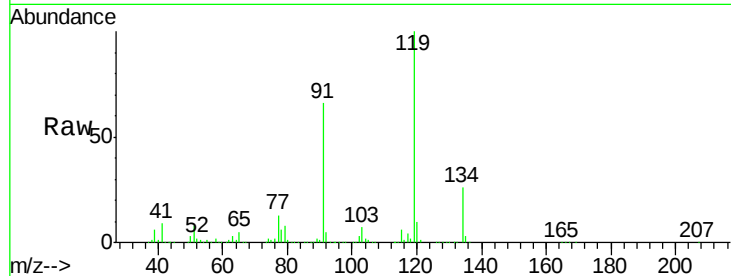




#83
 tert-Butylbenzene
 Concen: 97.929 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD067247.D
 Acq: 13 Oct 2020 12:16

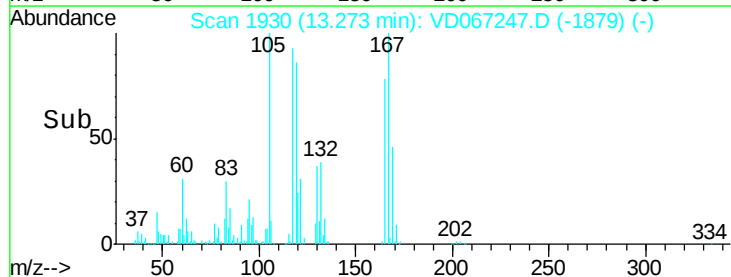
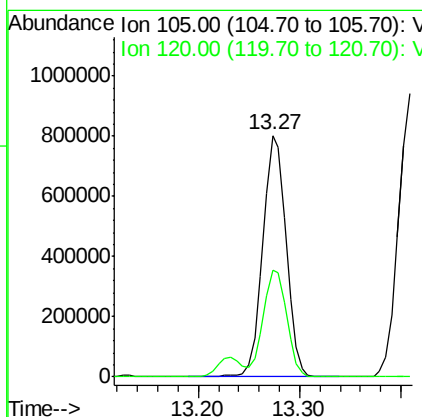
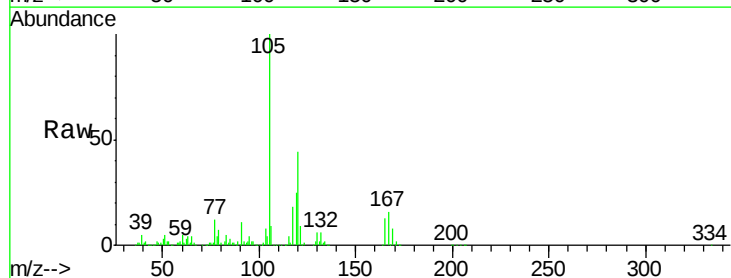
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

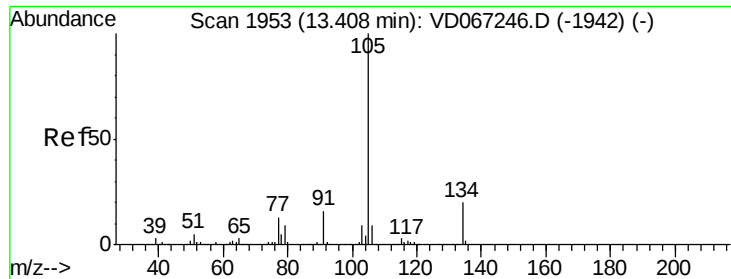
Tgt Ion:119 Resp: 1108916
 Ion Ratio Lower Upper
 119 100
 91 65.9 33.1 99.2
 134 27.1 13.3 39.9



#84
 1,2,4-Trimethylbenzene
 Concen: 96.129 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD067247.D
 Acq: 13 Oct 2020 12:16

Tgt Ion:105 Resp: 1282963
 Ion Ratio Lower Upper
 105 100
 120 44.1 22.4 67.3

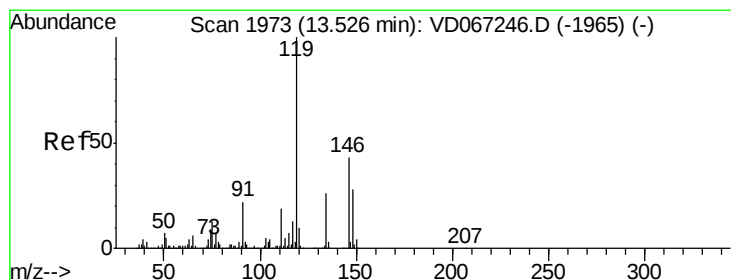
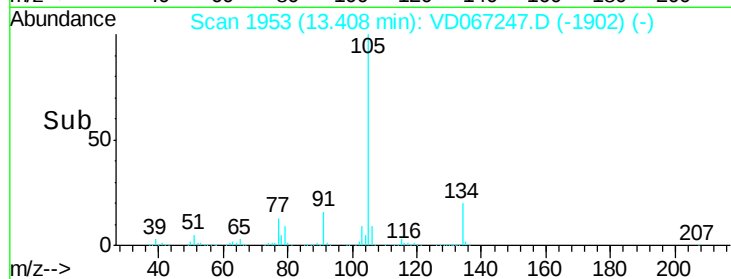
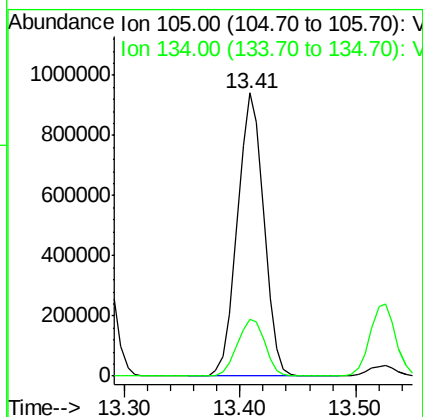
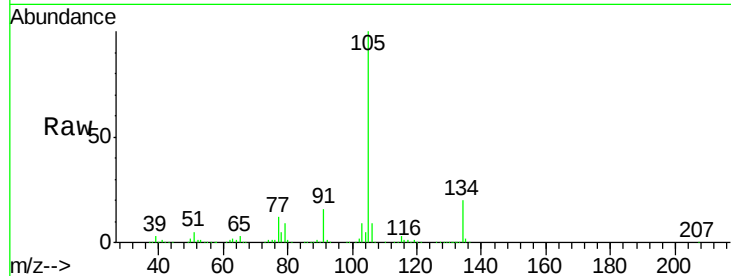




#85
 sec-Butylbenzene
 Concen: 94.699 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD067247.D
 Acq: 13 Oct 2020 12:16

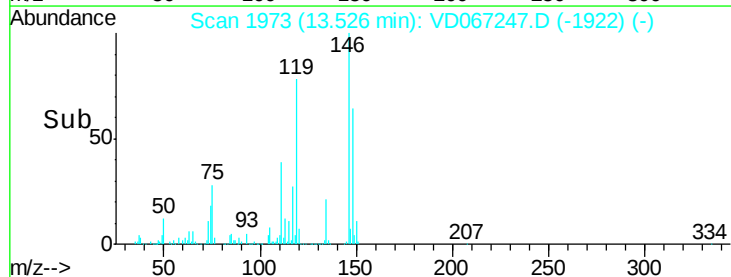
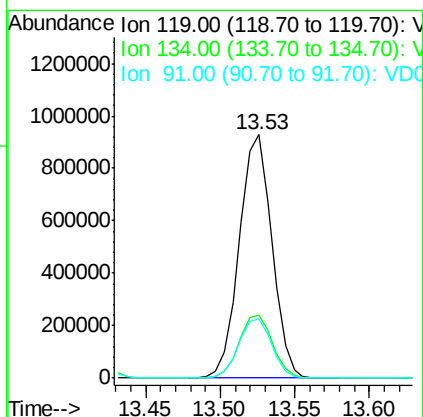
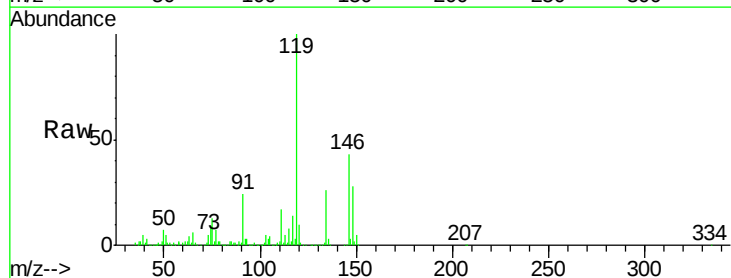
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

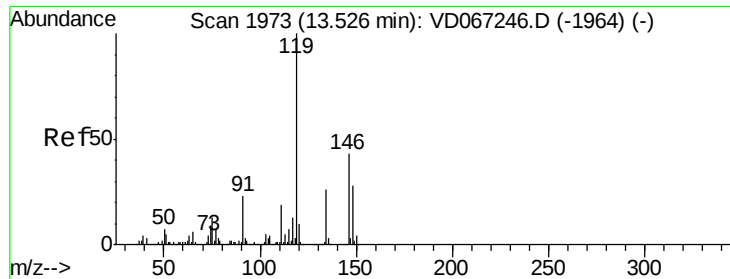
Tgt Ion:105 Resp: 1487132
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.5 31.5



#86
 p-Isopropyltoluene
 Concen: 94.890 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD067247.D
 Acq: 13 Oct 2020 12:16

Tgt Ion:119 Resp: 1408387
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.1 39.3
 91 24.7 11.9 35.9





#87

1,3-Dichlorobenzene

Concen: 87.081 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD067247.D

Acq: 13 Oct 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDICC100

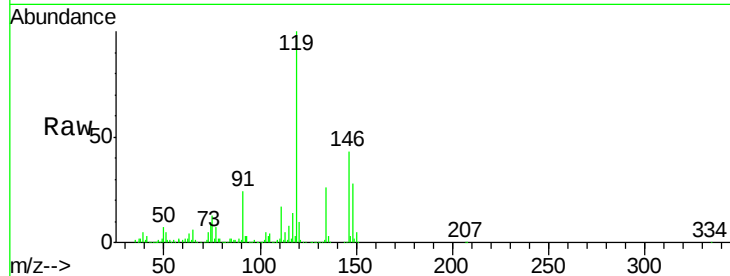
Tgt Ion:146 Resp: 668952

Ion Ratio Lower Upper

146 100

111 40.8 21.1 63.3

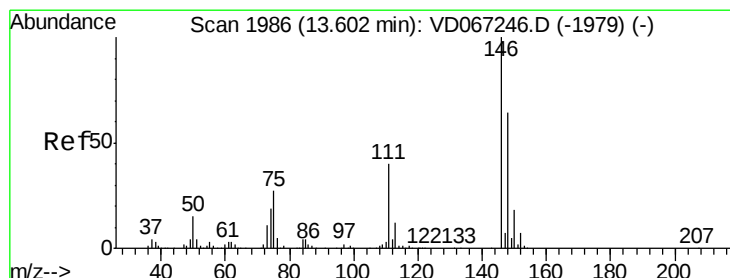
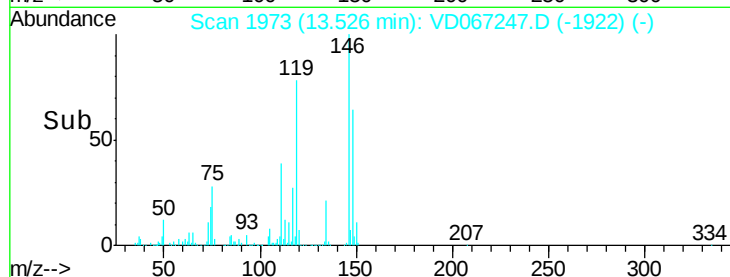
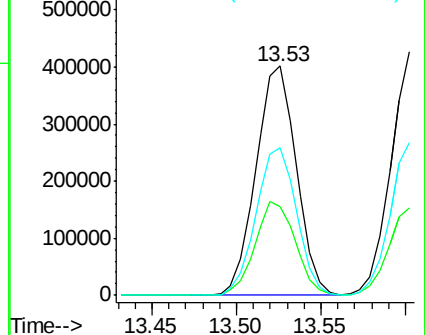
148 64.4 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 90.292 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VD067247.D

Acq: 13 Oct 2020 12:16

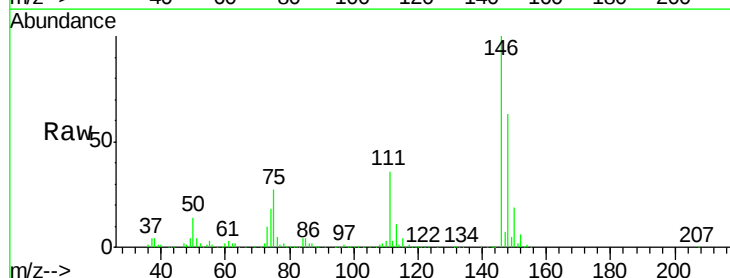
Tgt Ion:146 Resp: 680219

Ion Ratio Lower Upper

146 100

111 38.6 19.9 59.7

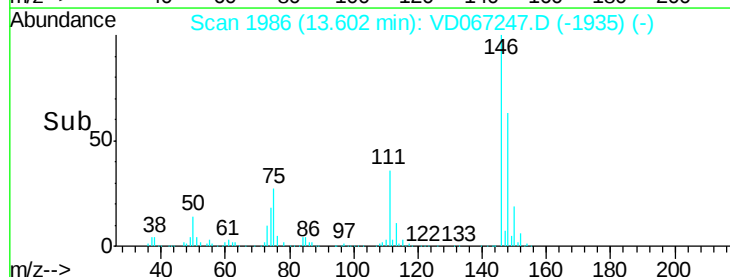
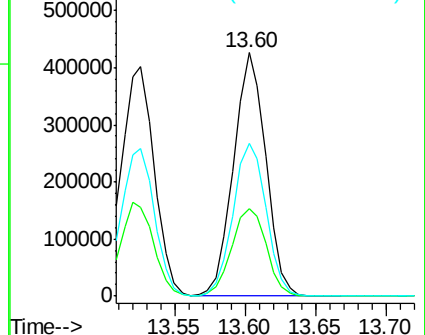
148 64.6 31.9 95.9

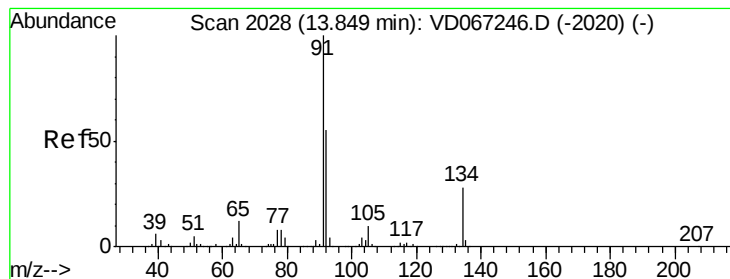


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 96.927 ug/l

RT: 13.85 min Scan# 2028

Delta R.T. 0.00 min

Lab File: VD067247.D

Acq: 13 Oct 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

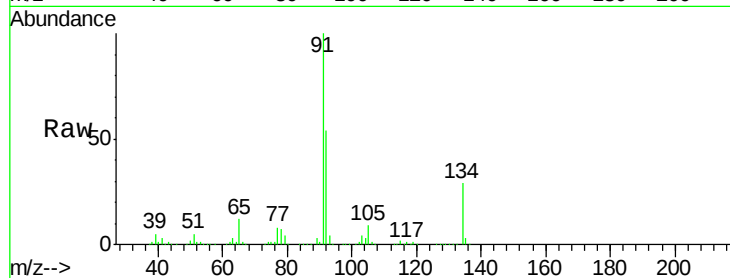
Tgt Ion: 91 Resp: 1255222

Ion Ratio Lower Upper

91 100

92 53.5 26.7 80.0

134 28.7 14.2 42.6



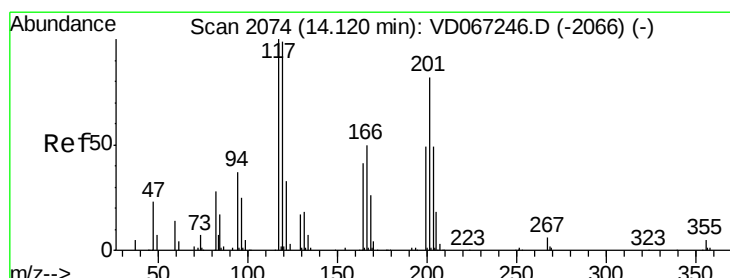
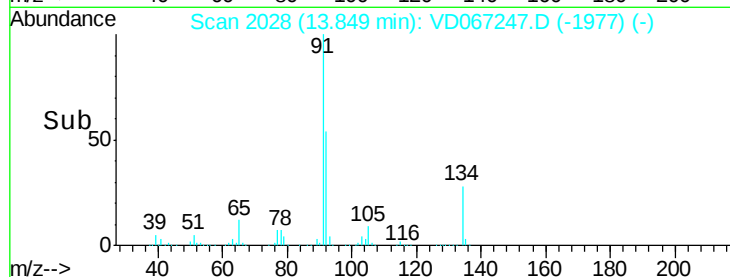
Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.00 (133.70 to 134.70): VDC

13.85

Time-->



#90

Hexachloroethane

Concen: 94.388 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. 0.00 min

Lab File: VD067247.D

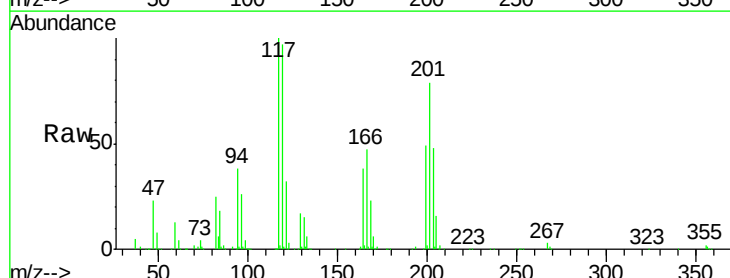
Acq: 13 Oct 2020 12:16

Tgt Ion: 117 Resp: 243053

Ion Ratio Lower Upper

117 100

201 80.3 40.8 122.2

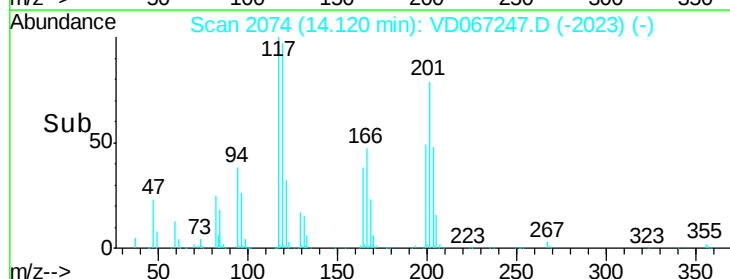


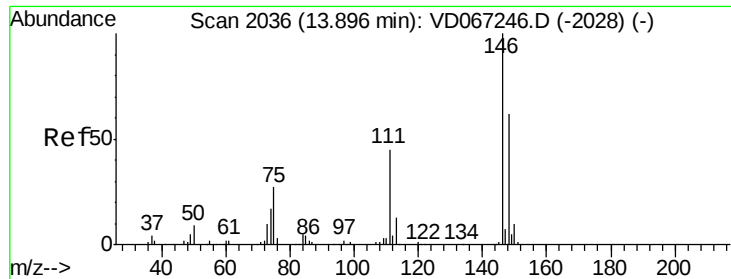
Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

14.12

Time-->

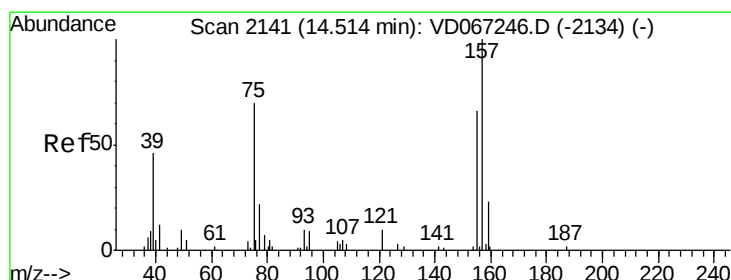
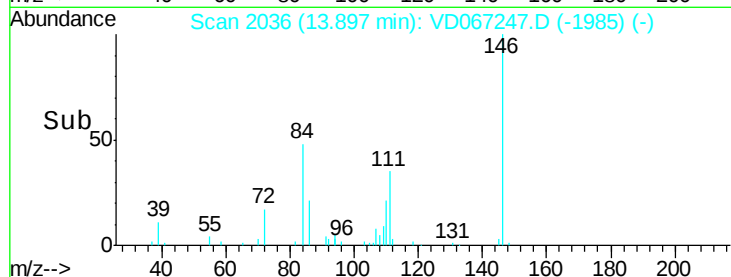
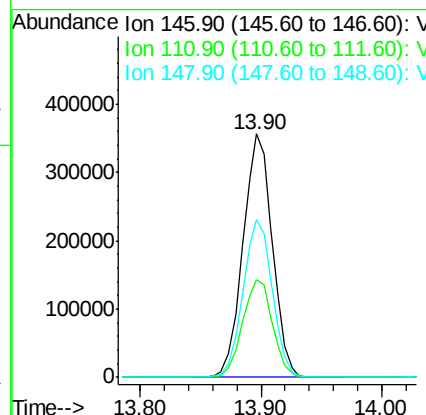
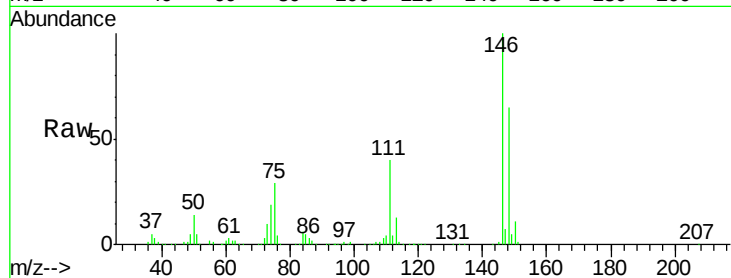




#91
 1,2-Dichlorobenzene
 Concen: 90.495 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067247.D
 Acq: 13 Oct 2020 12:16

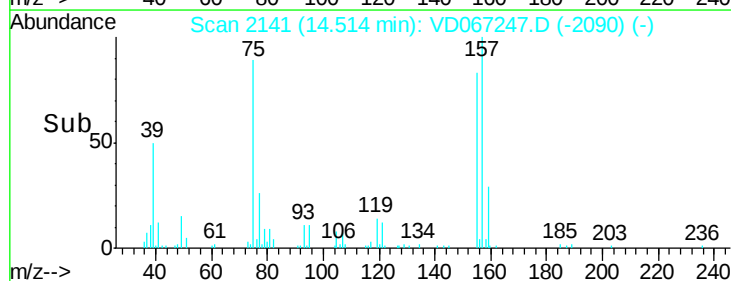
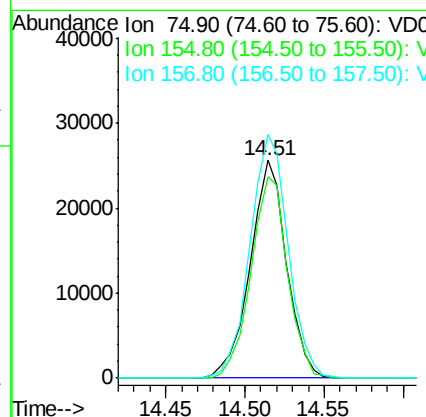
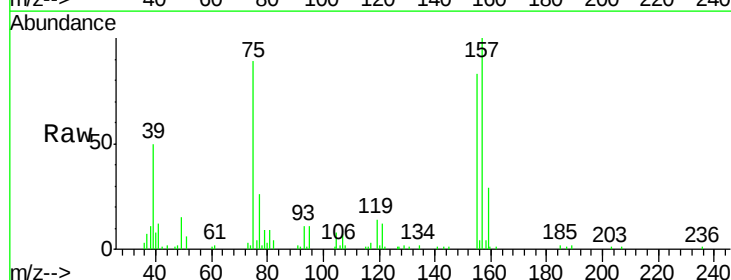
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

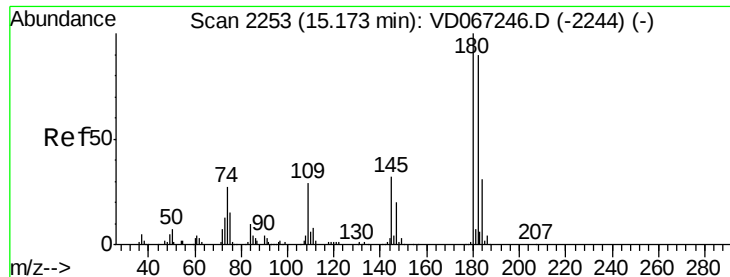
Tgt Ion:146 Resp: 601392
 Ion Ratio Lower Upper
 146 100
 111 40.9 22.0 66.0
 148 64.7 32.5 97.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 94.391 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD067247.D
 Acq: 13 Oct 2020 12:16

Tgt Ion: 75 Resp: 40970
 Ion Ratio Lower Upper
 75 100
 155 92.7 44.8 134.4
 157 117.2 62.5 187.4

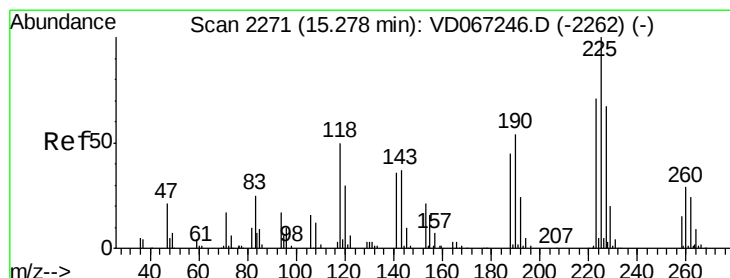
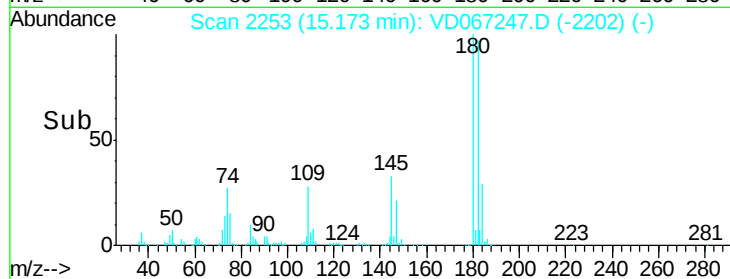
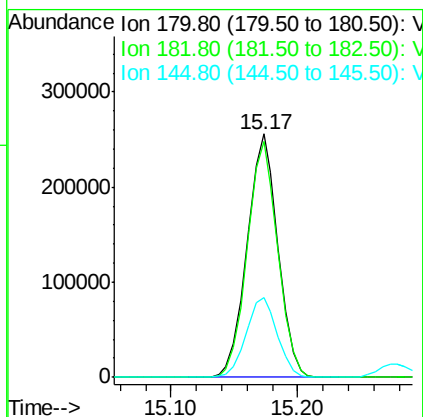
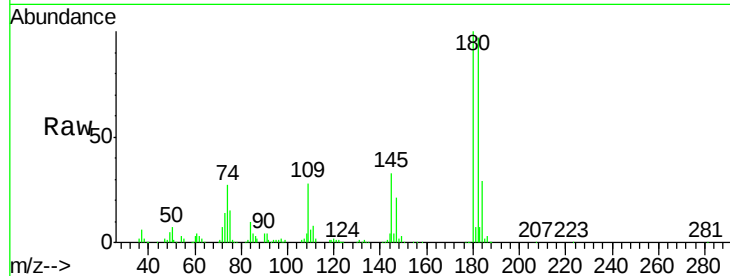




#93
 1,2,4-Trichlorobenzene
 Concen: 99.714 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD067247.D
 Acq: 13 Oct 2020 12:16

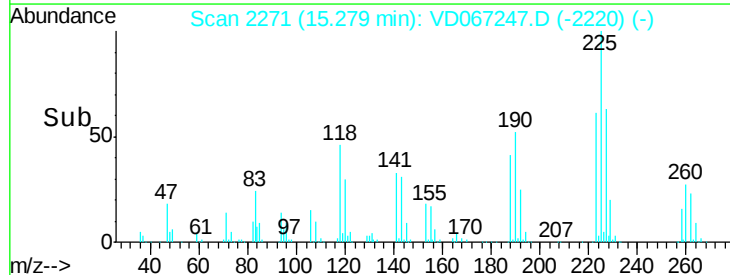
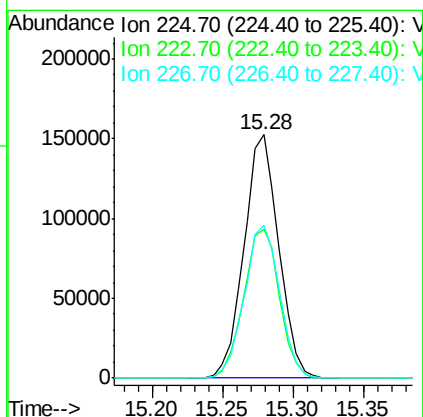
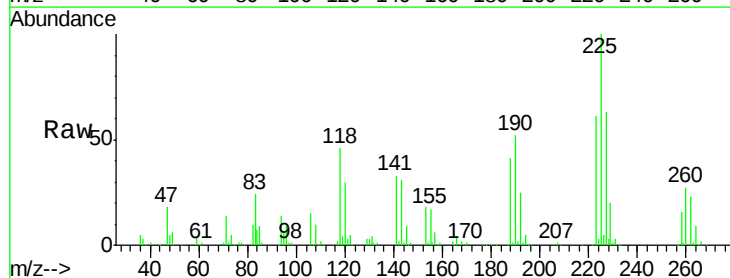
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

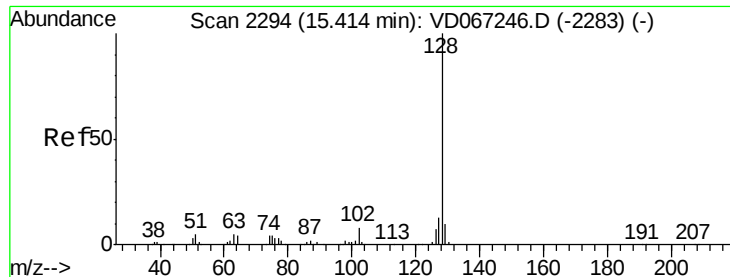
Tgt Ion:180 Resp: 431166
 Ion Ratio Lower Upper
 180 100
 182 95.9 48.1 144.4
 145 33.1 16.3 48.9



#94
 Hexachlorobutadiene
 Concen: 96.680 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD067247.D
 Acq: 13 Oct 2020 12:16

Tgt Ion:225 Resp: 262394
 Ion Ratio Lower Upper
 225 100
 223 63.2 31.9 95.7
 227 64.0 31.2 93.6





#95

Naphthalene

Concen: 114.506 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.01 min

Lab File: VD067247.D

Acq: 13 Oct 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

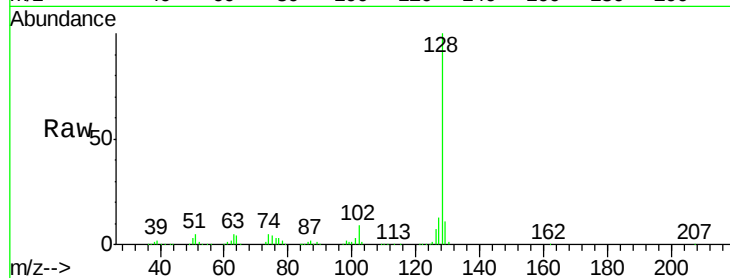
Tgt Ion:128 Resp: 777145

Ion Ratio Lower Upper

128 100

127 12.7 10.4 15.6

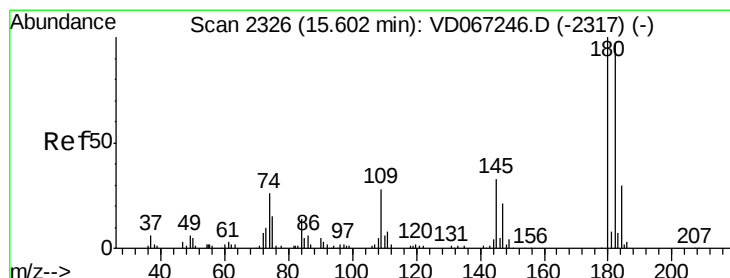
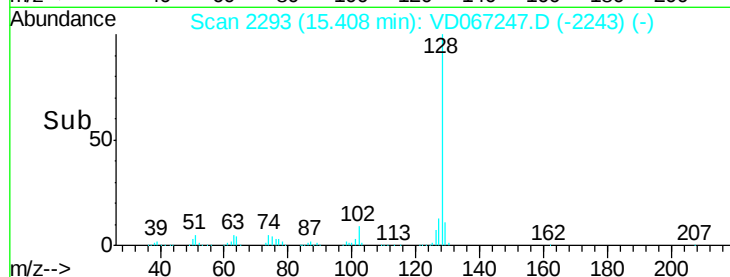
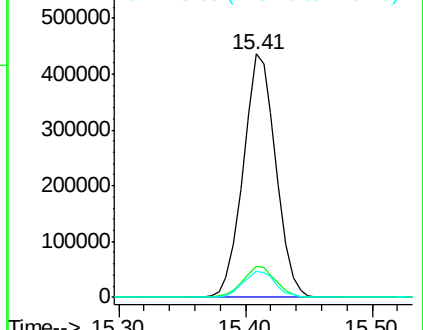
129 10.8 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 102.042 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.01 min

Lab File: VD067247.D

Acq: 13 Oct 2020 12:16

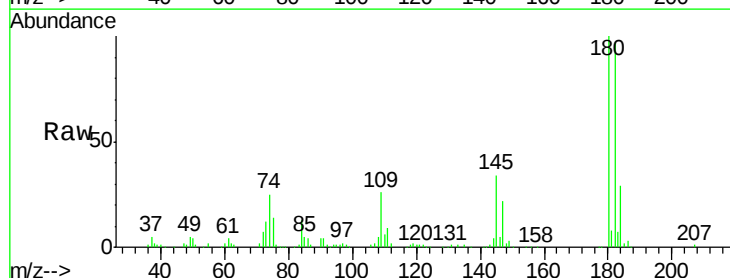
Tgt Ion:180 Resp: 378892

Ion Ratio Lower Upper

180 100

182 95.7 48.1 144.3

145 34.5 17.3 51.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

