

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111620\
 Data File : VD067633.D
 Acq On : 16 Nov 2020 11:45
 Operator : VA/SY
 Sample : VD1116SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1116SBS01

Quant Time: Nov 17 01:06:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	295814	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	424954	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	386019	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	195737	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	114290	44.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.38%	
35) Dibromofluoromethane	7.92	113	116948	45.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.36%	
50) Toluene-d8	10.34	98	407666	45.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.62%	
62) 4-Bromofluorobenzene	12.64	95	143586	46.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	53588	19.616	ug/l	85
3) Chloromethane	2.21	50	32568	17.680	ug/l	96
4) Vinyl Chloride	2.35	62	35371	17.223	ug/l	94
5) Bromomethane	2.77	94	31619	18.995	ug/l	97
6) Chloroethane	2.93	64	22539	17.801	ug/l #	81
7) Trichlorofluoromethane	3.28	101	106432	20.015	ug/l	94
8) Diethyl Ether	3.71	74	21031	19.627	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.10	101	54191	20.189	ug/l	98
10) Methyl Iodide	4.31	142	53691	18.663	ug/l	99
11) Tert butyl alcohol	5.21	59	8845	64.352	ug/l #	79
12) 1,1-Dichloroethene	4.07	96	47731	19.332	ug/l	93
13) Acrolein	3.92	56	3990	59.166	ug/l	93
14) Allyl chloride	4.71	41	48253	18.261	ug/l	96
15) Acrylonitrile	5.42	53	36952	93.292	ug/l #	79
16) Acetone	4.16	43	33084	85.474	ug/l	94
17) Carbon Disulfide	4.41	76	136455	18.036	ug/l	98
18) Methyl Acetate	4.73	43	15449	19.315	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	95421	19.593	ug/l	97
20) Methylene Chloride	4.97	84	54167	19.811	ug/l	95
21) trans-1,2-Dichloroethene	5.48	96	55687	19.364	ug/l	96
22) Diisopropyl ether	6.37	45	102374	19.881	ug/l	94
23) Vinyl Acetate	6.31	43	251889	93.449	ug/l	98
24) 1,1-Dichloroethane	6.27	63	82234	19.521	ug/l	98
25) 2-Butanone	7.21	43	39379	95.213	ug/l	89
26) 2,2-Dichloropropane	7.21	77	90441	20.342	ug/l	100
27) cis-1,2-Dichloroethene	7.22	96	59509	19.937	ug/l	99
28) Bromochloromethane	7.55	49	27328	18.237	ug/l	95
29) Tetrahydrofuran	7.57	42	23249	93.844	ug/l	96
30) Chloroform	7.71	83	102753	20.445	ug/l	99
31) Cyclohexane	7.99	56	69031	18.401	ug/l #	86
32) 1,1,1-Trichloroethane	7.91	97	101915	19.654	ug/l	97
36) 1,1-Dichloropropene	8.12	75	73349	20.164	ug/l	100
37) Ethyl Acetate	7.29	43	17294	18.313	ug/l #	85
38) Carbon Tetrachloride	8.10	117	100173	21.195	ug/l	98

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Quant Time: Nov 17 01:06:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	87002	20.321	ug/l	96
40) Benzene	8.36	78	200244	20.323	ug/l	98
41) Methacrylonitrile	7.54	41	12004	21.265	ug/l #	87
42) 1,2-Dichloroethane	8.43	62	63756	20.943	ug/l	100
43) Isopropyl Acetate	8.46	43	37040	19.832	ug/l	96
44) Trichloroethene	9.11	130	66727	20.596	ug/l	91
45) 1,2-Dichloropropane	9.40	63	43715	20.520	ug/l	93
46) Dibromomethane	9.48	93	28500	21.041	ug/l	96
47) Bromodichloromethane	9.67	83	76744	20.845	ug/l	97
48) Methyl methacrylate	9.47	41	18003	18.669	ug/l	97
49) 1,4-Dioxane	9.47	88	5612	408.123	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	89859	100.601	ug/l	97
52) Toluene	10.41	92	136206	20.638	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	64493	20.454	ug/l	93
54) cis-1,3-Dichloropropene	10.10	75	77080	20.575	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	37045	20.670	ug/l	91
56) Ethyl methacrylate	10.67	69	33967	18.353	ug/l	98
57) 1,3-Dichloropropane	10.96	76	57246	19.850	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.94	63	89462	103.657	ug/l	98
59) 2-Hexanone	10.99	43	60957	97.603	ug/l	98
60) Dibromochloromethane	11.14	129	54161	20.429	ug/l	96
61) 1,2-Dibromoethane	11.25	107	35243	19.593	ug/l	96
64) Tetrachloroethene	10.88	164	56883	19.897	ug/l	96
65) Chlorobenzene	11.67	112	150966	20.303	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	62294	21.256	ug/l	97
67) Ethyl Benzene	11.75	91	262064	20.596	ug/l	99
68) m/p-Xylenes	11.86	106	211097	42.644	ug/l	98
69) o-Xylene	12.18	106	93768	21.216	ug/l	95
70) Styrene	12.20	104	162009	21.036	ug/l	98
71) Bromoform	12.37	173	31940	21.369	ug/l #	98
73) Isopropylbenzene	12.48	105	264764	20.930	ug/l	99
74) N-amyl acetate	12.29	43	31425	18.879	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	34877	20.219	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	49893	42.254	ug/l #	100
77) Bromobenzene	12.77	156	63919	20.574	ug/l	97
78) n-propylbenzene	12.83	91	299898	20.726	ug/l	99
79) 2-Chlorotoluene	12.91	91	172855	21.030	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	235326	21.777	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	11220	19.292	ug/l	99
82) 4-Chlorotoluene	13.01	91	188126	21.341	ug/l	99
83) tert-Butylbenzene	13.23	119	195059	21.298	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	230432	21.422	ug/l	100
85) sec-Butylbenzene	13.41	105	264081	21.360	ug/l	100
86) p-Isopropyltoluene	13.52	119	250118	20.950	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	125542	21.178	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	118623	19.762	ug/l	97
89) n-Butylbenzene	13.85	91	215032	20.852	ug/l	99
90) Hexachloroethane	14.12	117	46655	20.751	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	102822	20.041	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	6685	21.888	ug/l	95

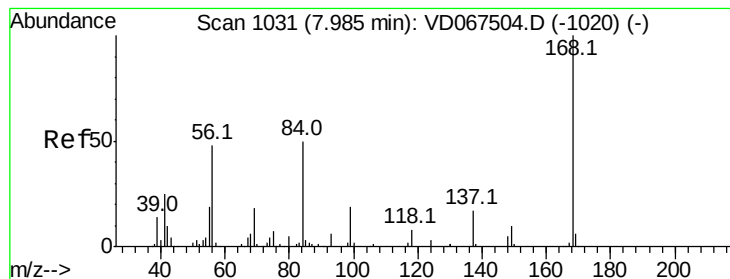
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111620\
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ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Wed Nov 04 00:56:28 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	72339	20.774	ug/l	99
94) Hexachlorobutadiene	15.27	225	48095	20.637	ug/l	99
95) Naphthalene	15.41	128	112170	20.873	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	62329	20.902	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD067633.D

Acq: 16 Nov 2020 11:45

Instrument :

MSVOA_D

ClientSampleId :

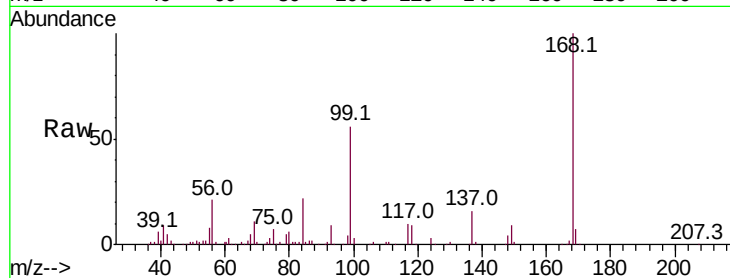
VD1116SBS01

Tot Ion:168 Resp: 295814

Ion Ratio Lower Upper

168 100

99 55.7 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

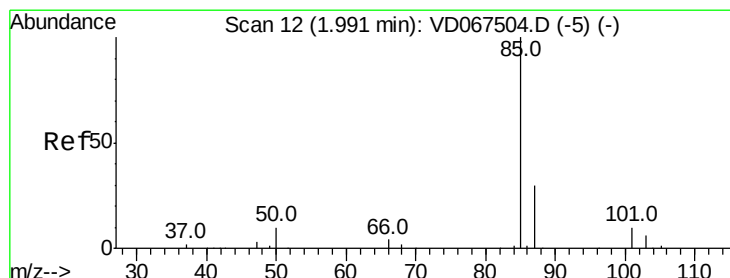
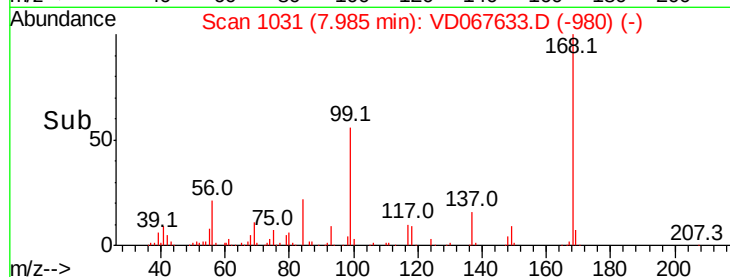
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 19.616 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD067633.D

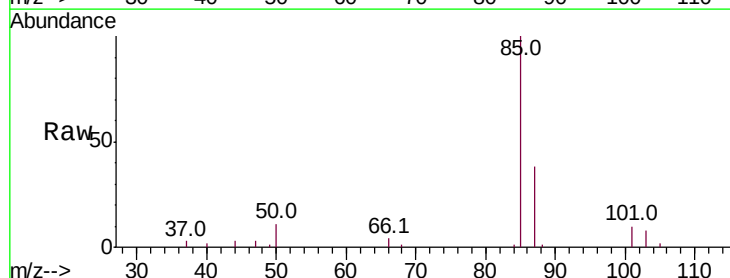
Acq: 16 Nov 2020 11:45

Tgt Ion: 85 Resp: 53588

Ion Ratio Lower Upper

85 100

87 38.4 15.3 45.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

40000

30000

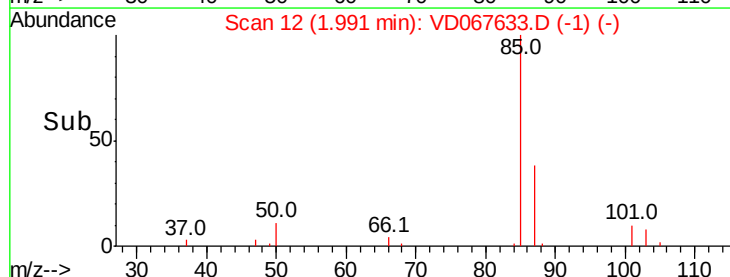
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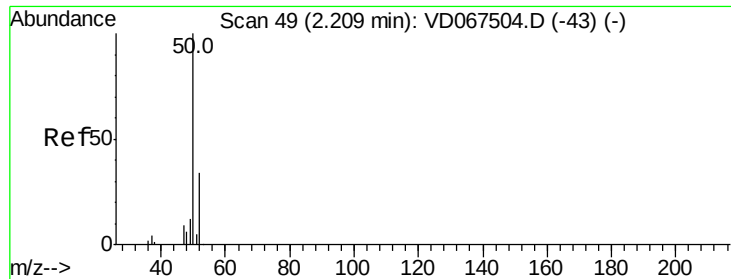
10000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 17.680 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD067633.D

Acq: 16 Nov 2020 11:45

Instrument :

MSVOA_D

ClientSampleId :

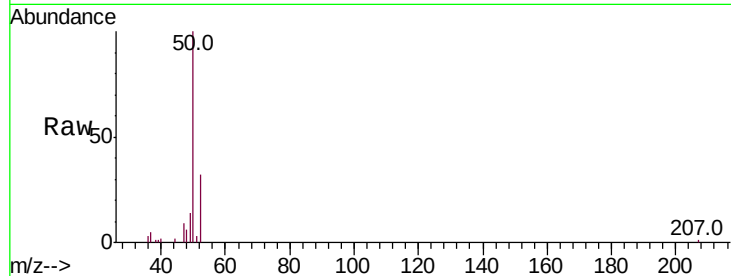
VD1116SBSD01

Tot Ion: 50 Resp: 32568

Ion Ratio Lower Upper

50 100

52 31.5 27.3 40.9



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

25000

20000

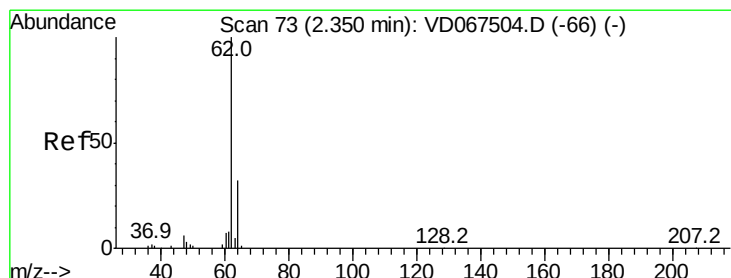
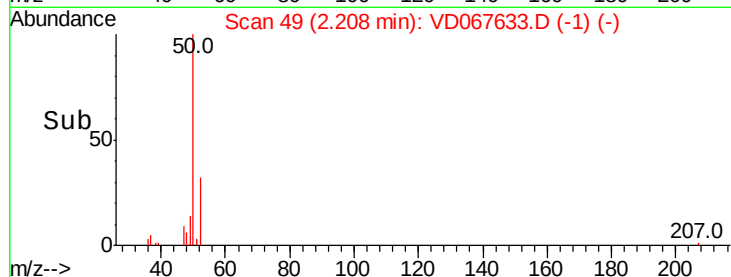
15000

10000

5000

0

Time-->



#4

Vinyl Chloride

Concen: 17.223 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD067633.D

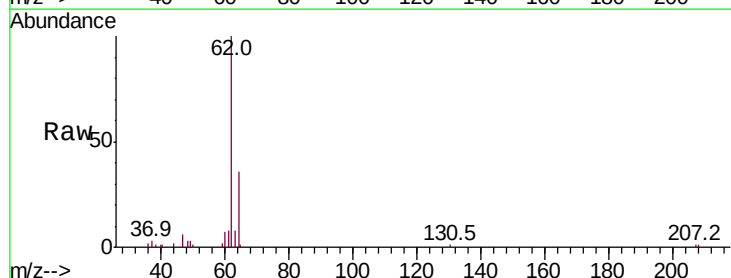
Acq: 16 Nov 2020 11:45

Tgt Ion: 62 Resp: 35371

Ion Ratio Lower Upper

62 100

64 35.5 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

25000

20000

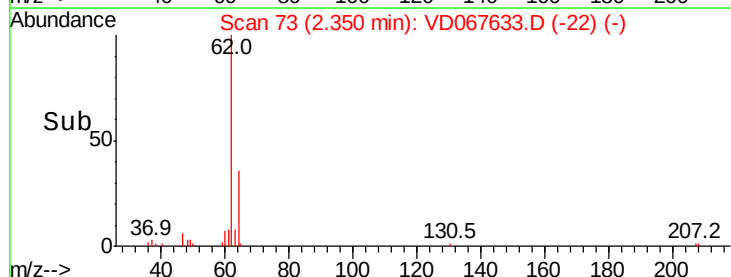
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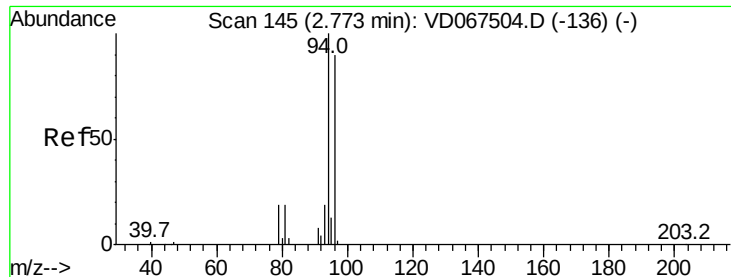
10000

5000

0

Time-->





#5

Bromomethane

Concen: 18.995 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067633.D

Acq: 16 Nov 2020 11:45

Instrument :

MSVOA_D

ClientSampleId :

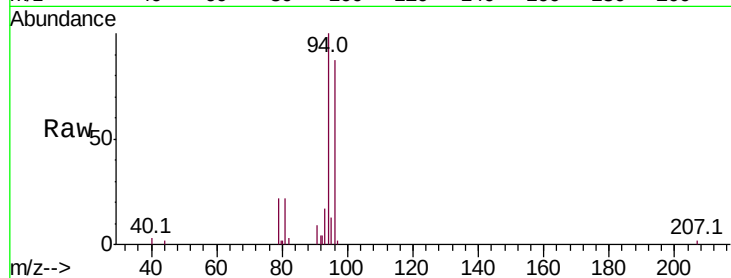
VD1116SBSD01

Tot Ion: 94 Resp: 31619

Ion Ratio Lower Upper

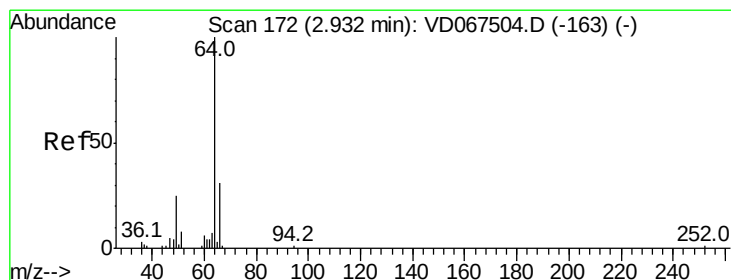
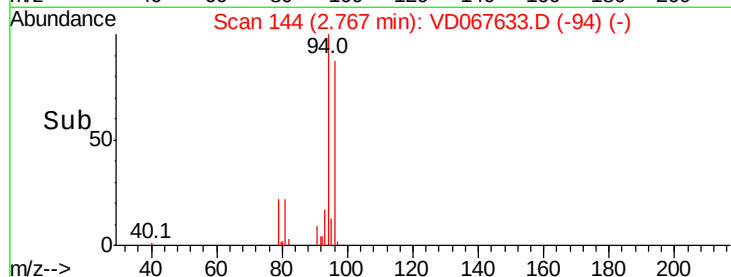
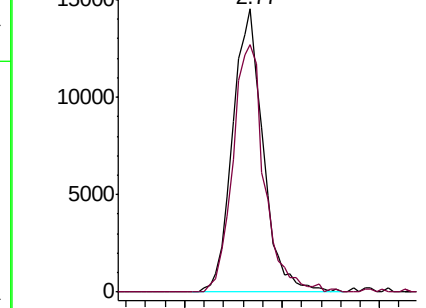
94 100

96 87.4 72.2 108.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 17.801 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.01 min

Lab File: VD067633.D

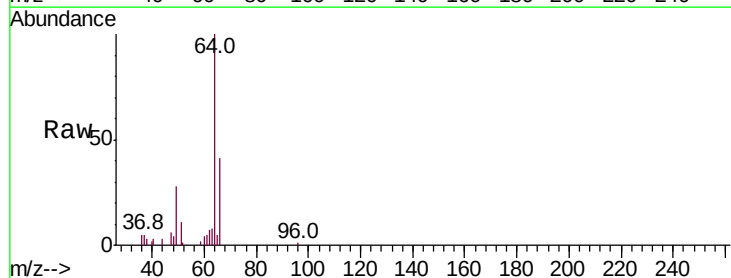
Acq: 16 Nov 2020 11:45

Tgt Ion: 64 Resp: 22539

Ion Ratio Lower Upper

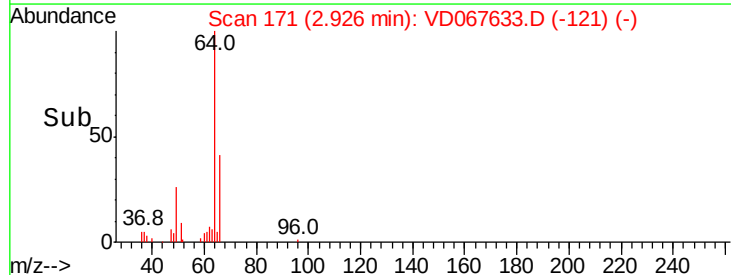
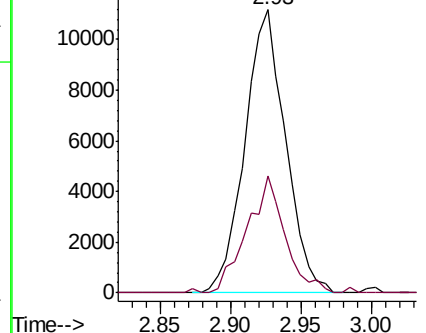
64 100

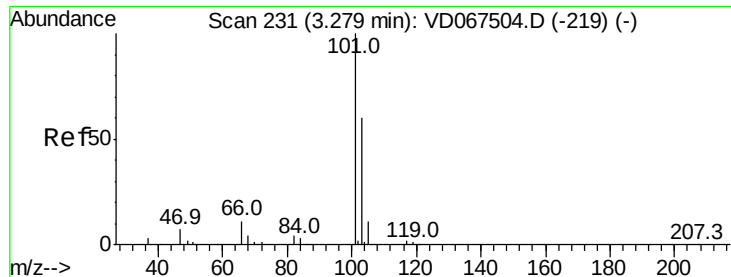
66 41.1 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



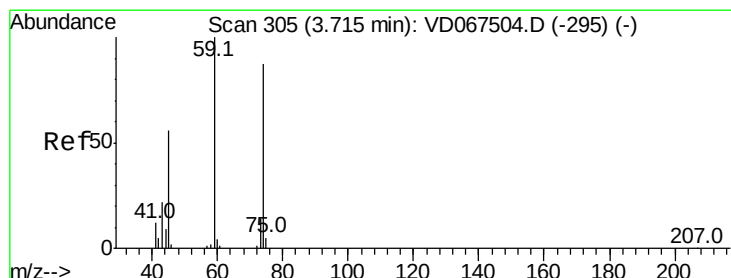
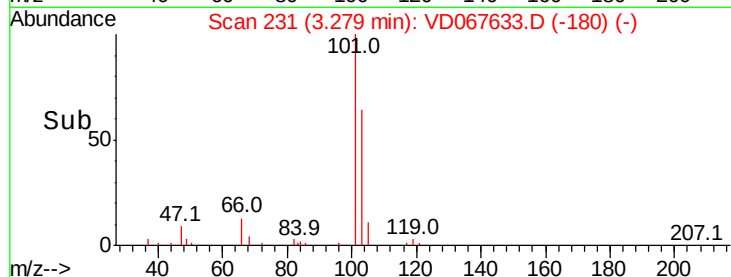
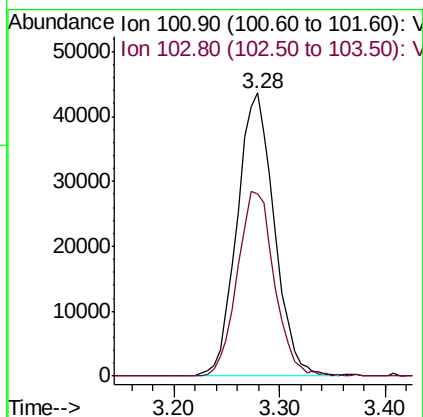
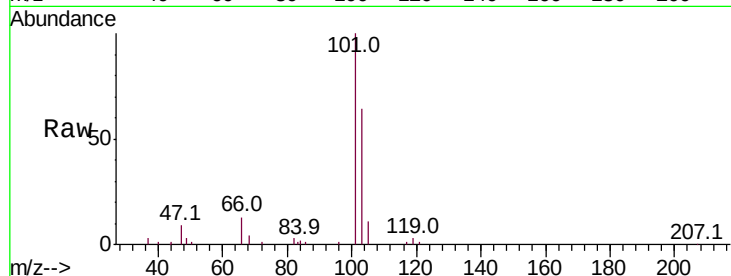


#7

Trichlorofluoromethane
Concen: 20.015 ug/l
RT: 3.28 min Scan# 231
Delta R.T. -0.00 min
Lab File: VD067633.D
Acq: 16 Nov 2020 11:45

Instrument :
MSVOA_D
ClientSampleId :
VD1116SBS01

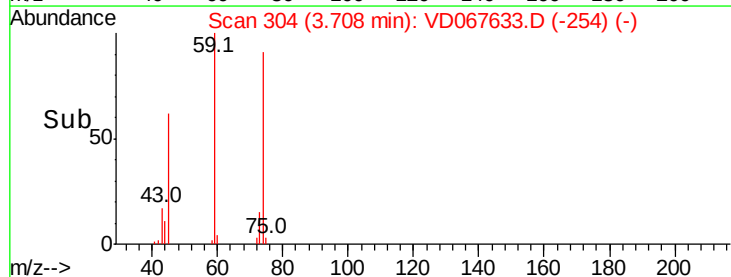
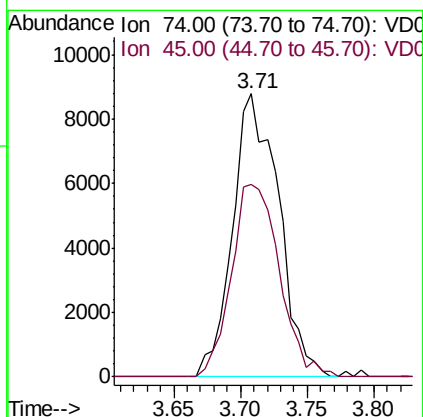
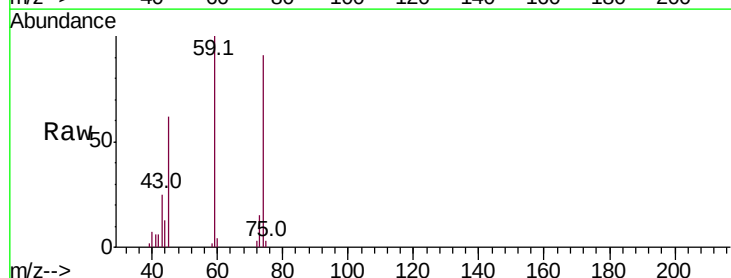
Tot Ion:101 Resp: 106432
Ion Ratio Lower Upper
101 100
103 64.3 48.1 72.1

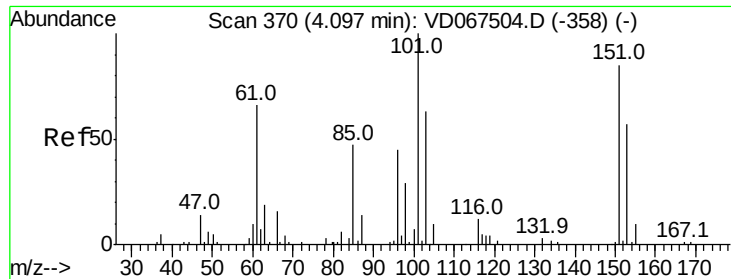


#8

Diethyl Ether
Concen: 19.627 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.01 min
Lab File: VD067633.D
Acq: 16 Nov 2020 11:45

Tgt Ion: 74 Resp: 21031
Ion Ratio Lower Upper
74 100
45 70.9 38.2 114.6

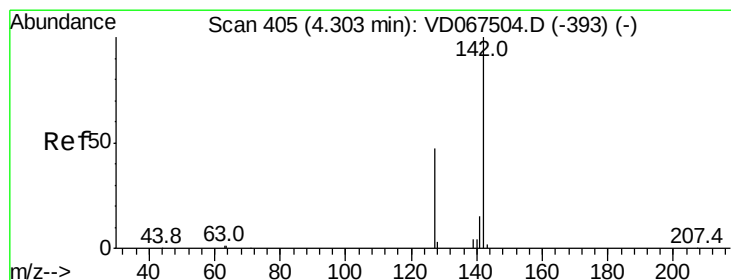
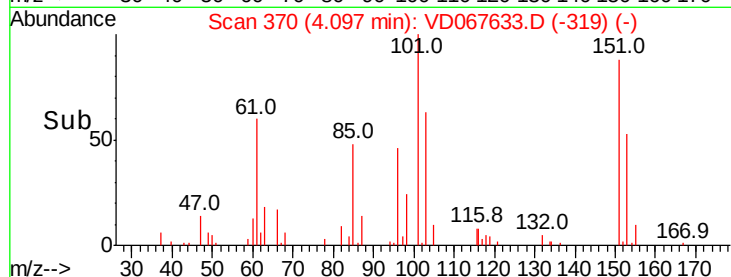
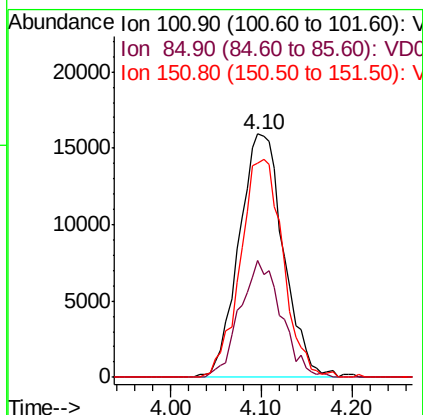
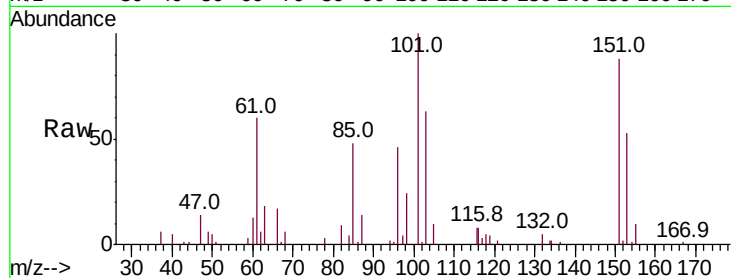




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.189 ug/l
 RT: 4.10 min Scan# 370
 Delta R.T. -0.00 min
 Lab File: VD067633.D
 Acq: 16 Nov 2020 11:45

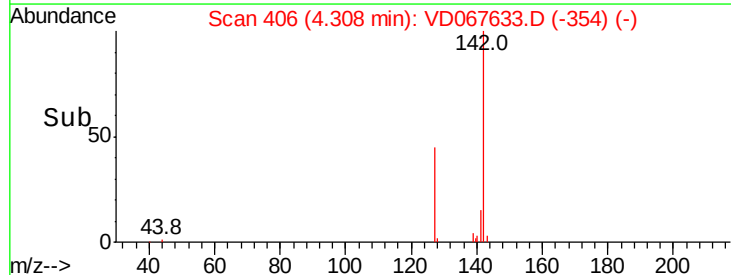
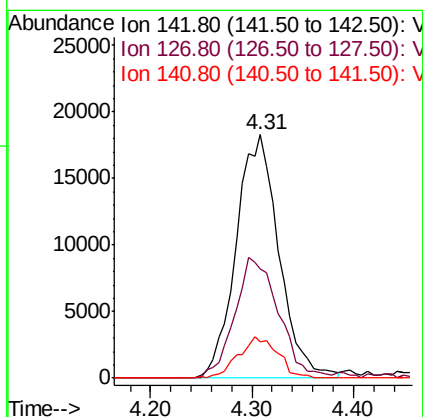
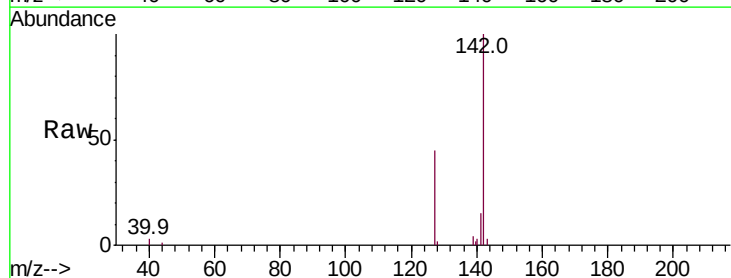
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1116SBSD01

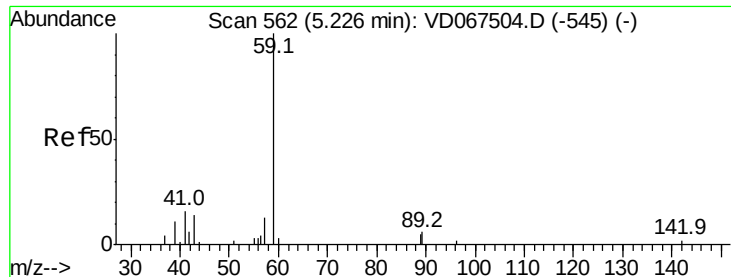
Tot Ion:101 Resp: 54191
 Ion Ratio Lower Upper
 101 100
 85 44.7 34.4 51.6
 151 86.4 68.1 102.1



#10
 Methyl Iodide
 Concen: 18.663 ug/l
 RT: 4.31 min Scan# 406
 Delta R.T. 0.01 min
 Lab File: VD067633.D
 Acq: 16 Nov 2020 11:45

Tgt Ion:142 Resp: 53691
 Ion Ratio Lower Upper
 142 100
 127 50.6 40.0 60.0
 141 15.8 11.7 17.5



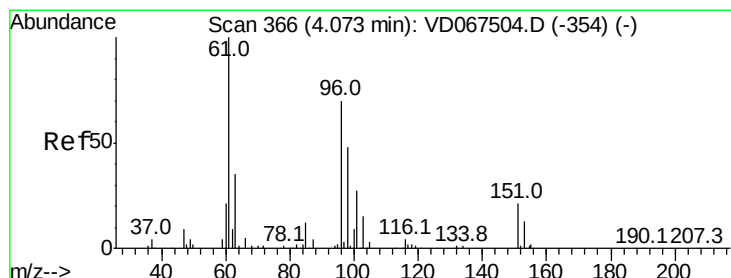
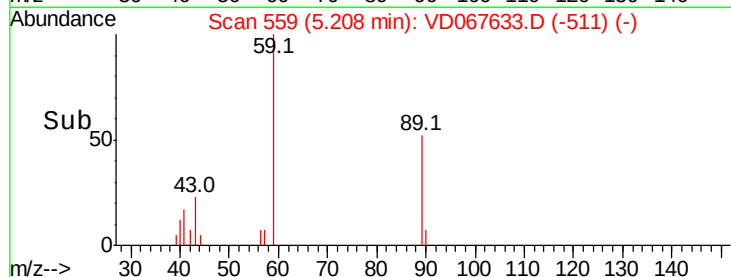
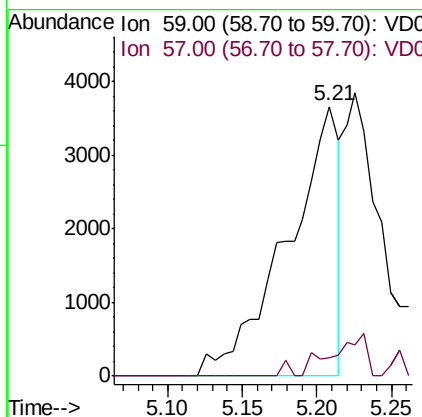
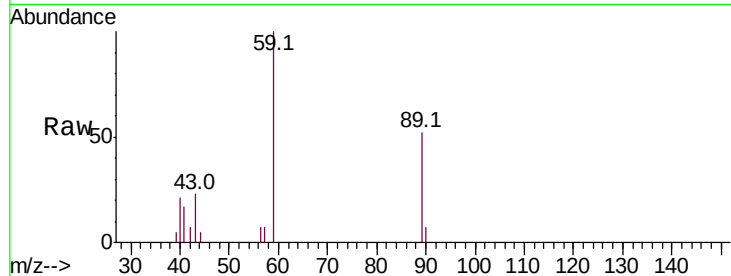


#11

Tert butyl alcohol
Concen: 64.352 ug/l
RT: 5.21 min Scan# 559
Delta R.T. -0.02 min
Lab File: VD067633.D
Acq: 16 Nov 2020 11:45

Instrument :
MSVOA_D
ClientSampleId :
VD1116SBSD01

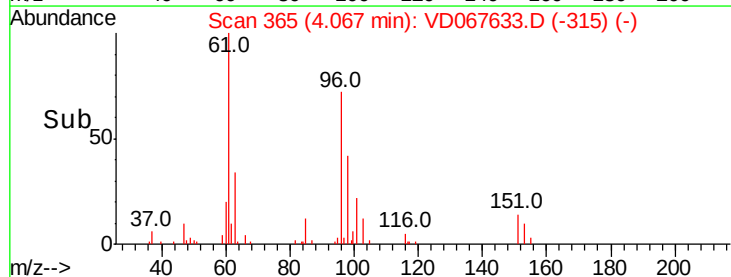
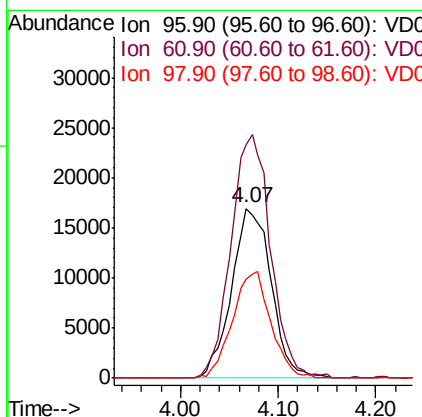
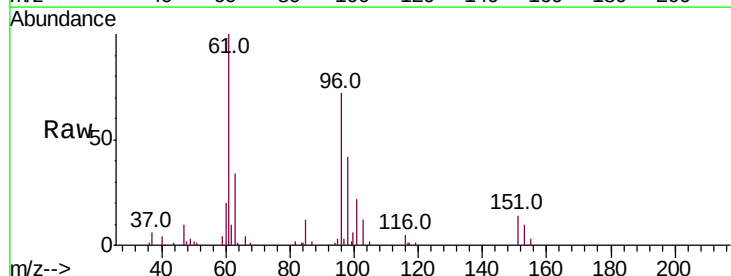
Tot Ion: 59 Resp: 8845
Ion Ratio Lower Upper
59 100
57 0.0 5.9 8.9#

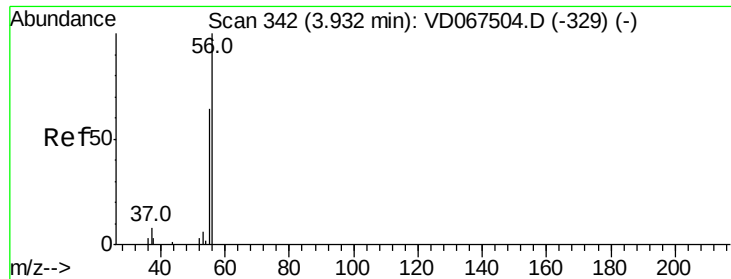


#12

1,1-Dichloroethene
Concen: 19.332 ug/l
RT: 4.07 min Scan# 365
Delta R.T. -0.01 min
Lab File: VD067633.D
Acq: 16 Nov 2020 11:45

Tgt Ion: 96 Resp: 47731
Ion Ratio Lower Upper
96 100
61 137.9 114.5 171.7
98 58.2 54.5 81.7





#13

Acrolein

Concen: 59.166 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD067633.D

Acq: 16 Nov 2020 11:45

Instrument :

MSVOA_D

ClientSampleId :

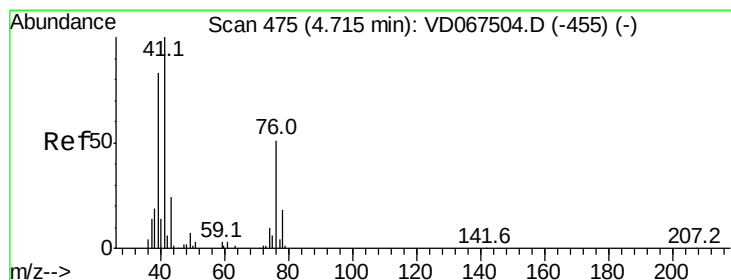
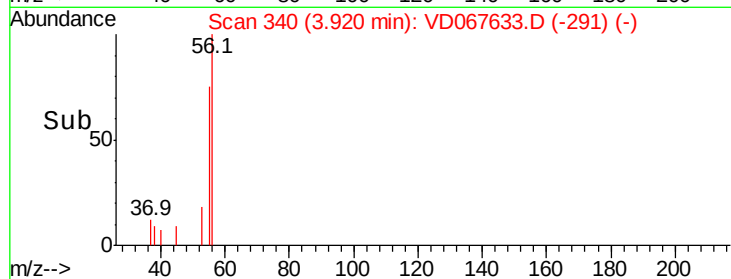
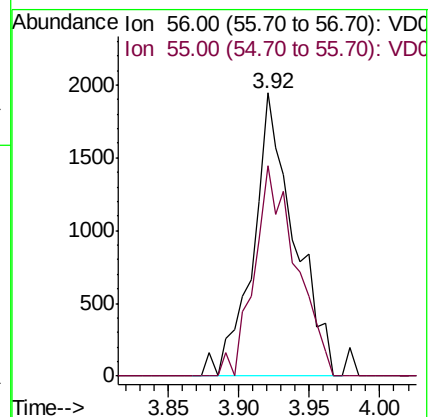
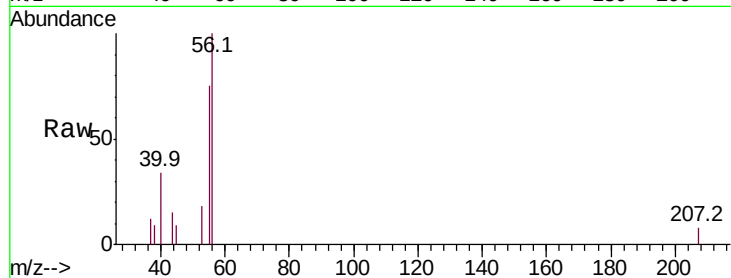
VD1116SBS01

Tot Ion: 56 Resp: 3990

Ion Ratio Lower Upper

56 100

55 75.2 55.8 83.8



#14

Allyl chloride

Concen: 18.261 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD067633.D

Acq: 16 Nov 2020 11:45

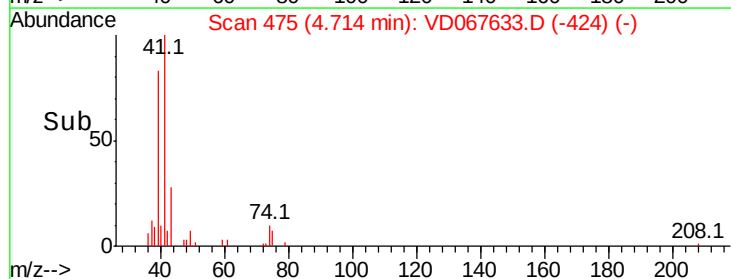
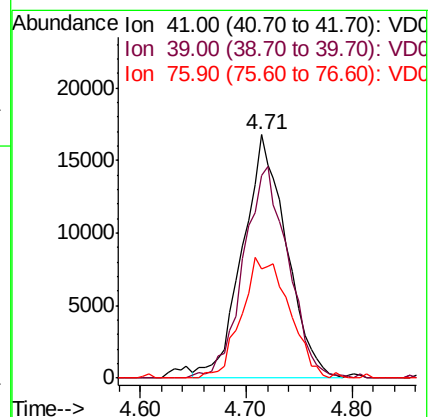
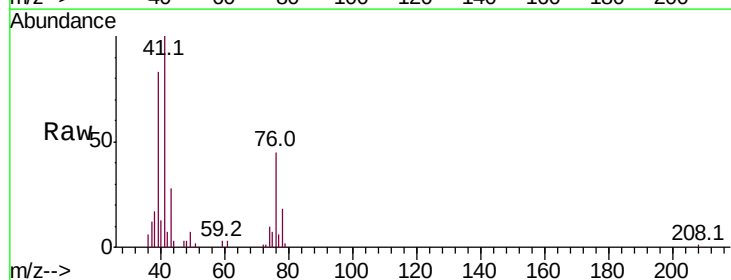
Tgt Ion: 41 Resp: 48253

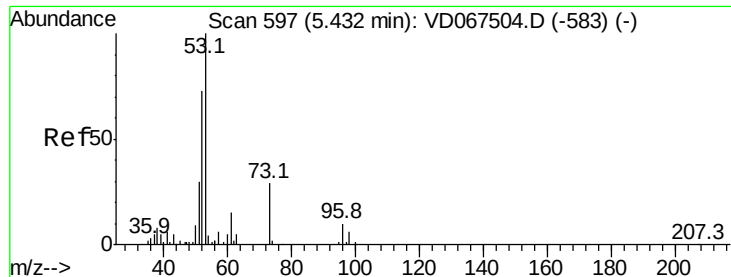
Ion Ratio Lower Upper

41 100

39 88.7 67.4 101.0

76 53.6 42.2 63.2





#15

Acrylonitrile

Concen: 93.292 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD067633.D

Acq: 16 Nov 2020 11:45

Instrument :

MSVOA_D

ClientSampleId :

VD1116SBS01

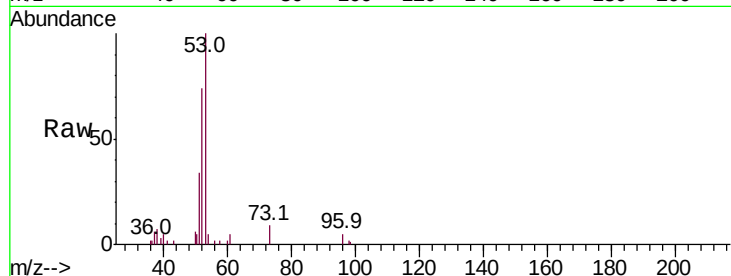
Tot Ion: 53 Resp: 36952

Ion Ratio Lower Upper

53 100

52 83.5 64.8 97.2

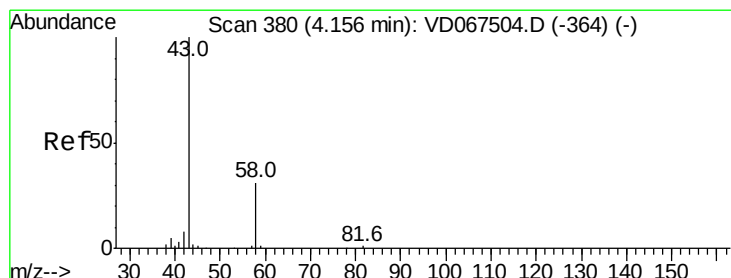
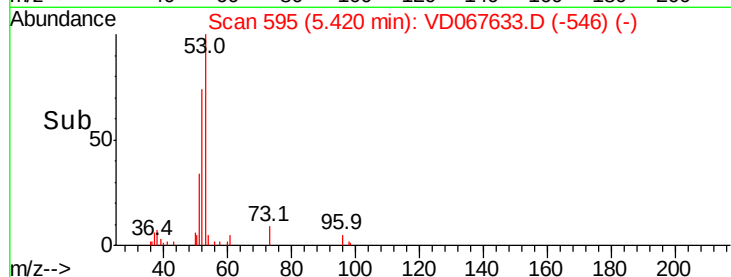
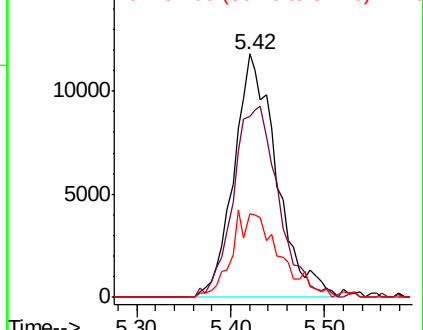
51 0.0 29.5 44.3#



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 85.474 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD067633.D

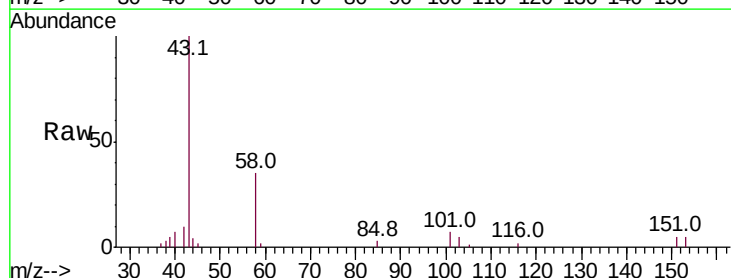
Acq: 16 Nov 2020 11:45

Tgt Ion: 43 Resp: 33084

Ion Ratio Lower Upper

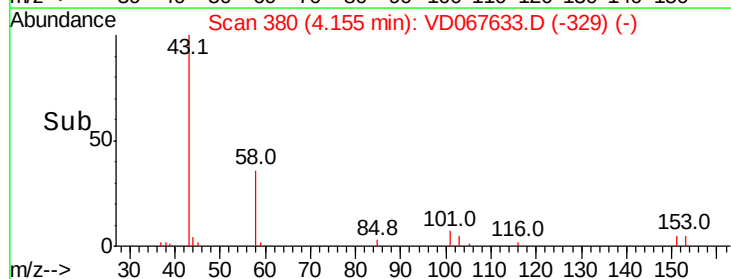
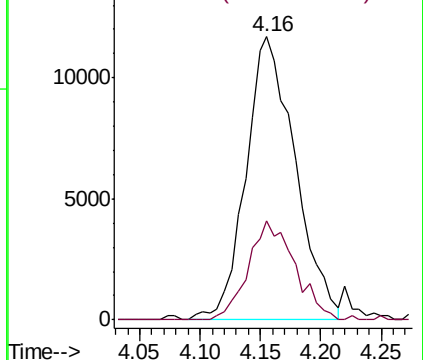
43 100

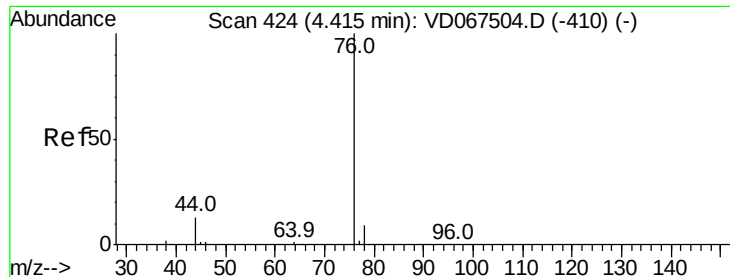
58 34.9 25.2 37.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

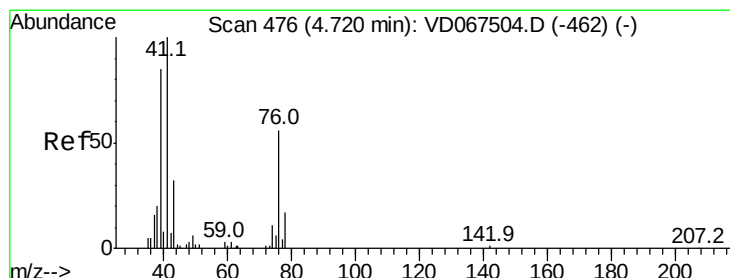
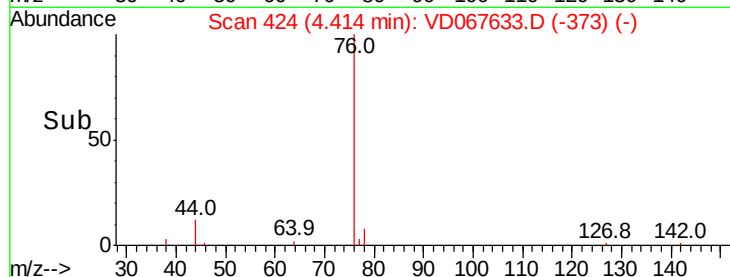
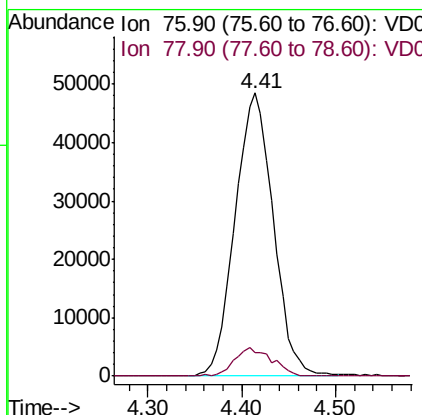
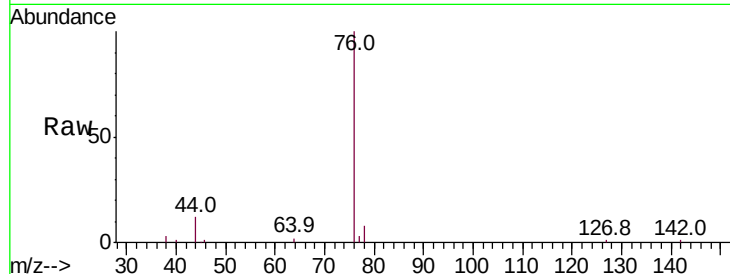




#17
Carbon Disulfide
Concen: 18.036 ug/l
RT: 4.41 min Scan# 424
Delta R.T. -0.00 min
Lab File: VD067633.D
Acq: 16 Nov 2020 11:45

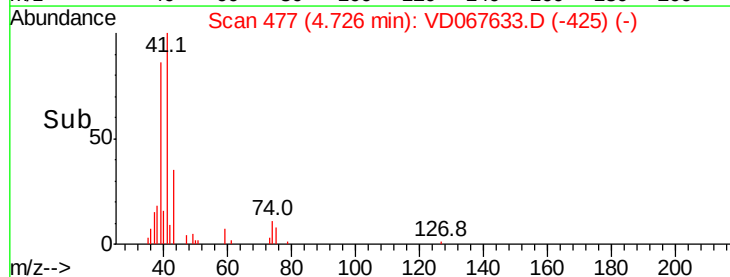
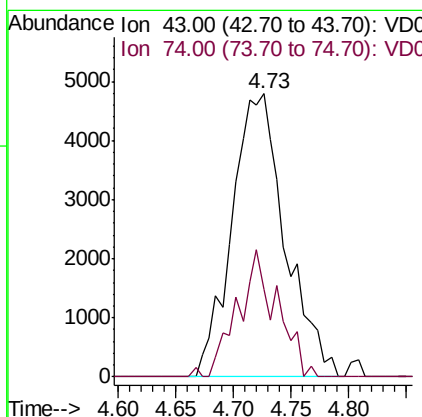
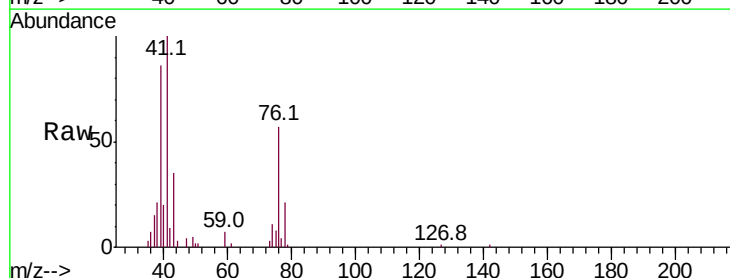
Instrument :
MSVOA_D
ClientSampleId :
VD1116SBS01

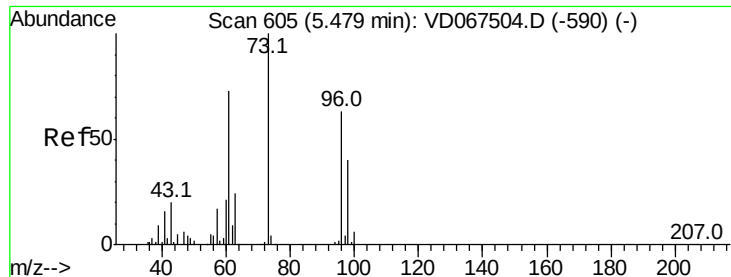
Tot Ion: 76 Resp: 136455
Ion Ratio Lower Upper
76 100
78 8.3 7.2 10.8



#18
Methyl Acetate
Concen: 19.315 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD067633.D
Acq: 16 Nov 2020 11:45

Tgt Ion: 43 Resp: 15449
Ion Ratio Lower Upper
43 100
74 32.7 27.2 40.8

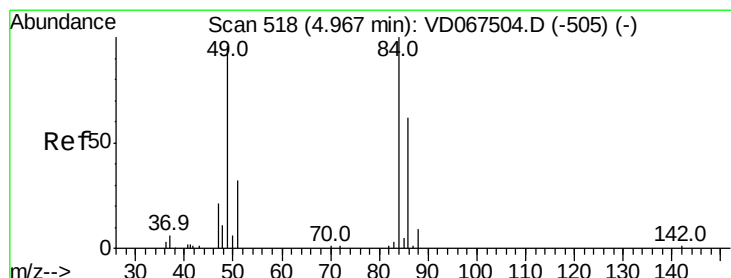
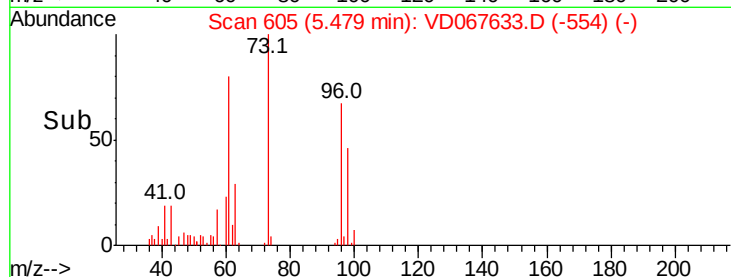
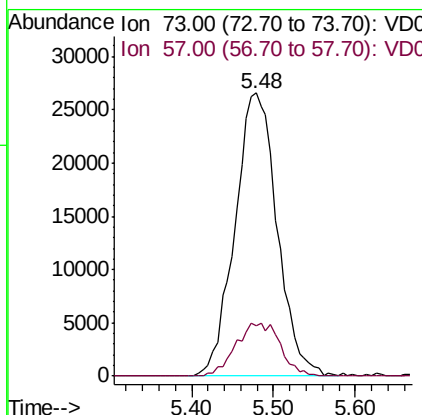
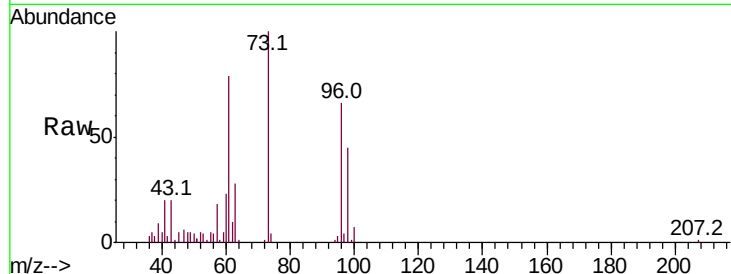




#19
Methyl tert-butyl Ether
Concen: 19.593 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.00 min
Lab File: VD067633.D
Acq: 16 Nov 2020 11:45

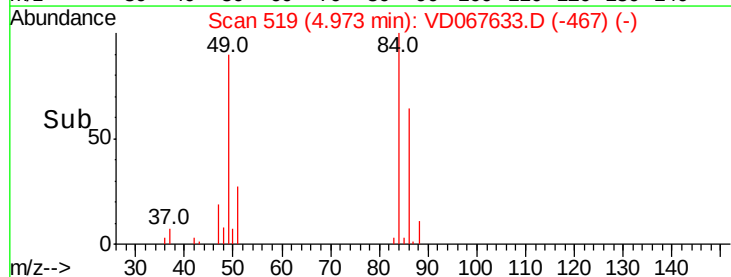
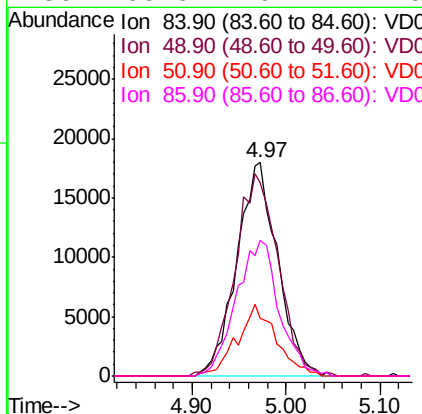
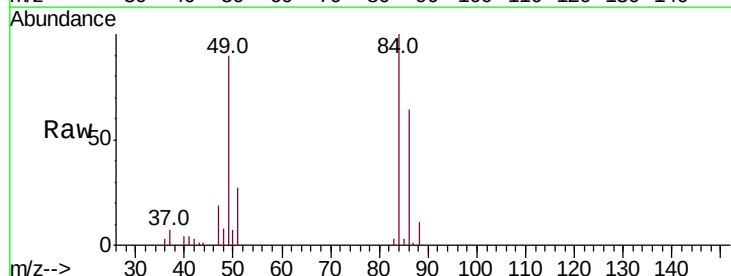
Instrument :
MSVOA_D
ClientSampleId :
VD1116SBS01

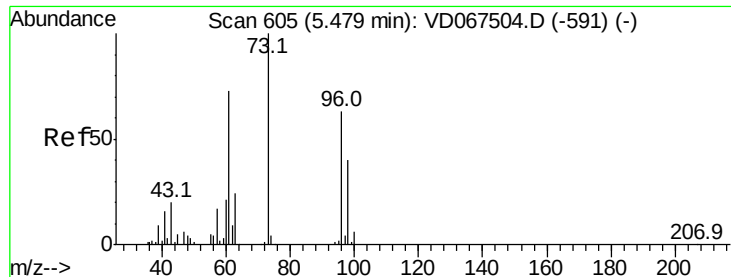
Tot Ion: 73 Resp: 95421
Ion Ratio Lower Upper
73 100
57 17.8 13.4 20.0



#20
Methylene Chloride
Concen: 19.811 ug/l
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD067633.D
Acq: 16 Nov 2020 11:45

Tgt Ion: 84 Resp: 54167
Ion Ratio Lower Upper
84 100
49 90.4 77.0 115.4
51 27.3 25.4 38.2
86 63.6 49.4 74.0





#21

trans-1,2-Dichloroethene

Concen: 19.364 ug/l

RT: 5.48 min Scan# 605

Delta R.T. -0.00 min

Lab File: VD067633.D

Acq: 16 Nov 2020 11:45

Instrument :

MSVOA_D

ClientSampleId :

VD1116SBS01

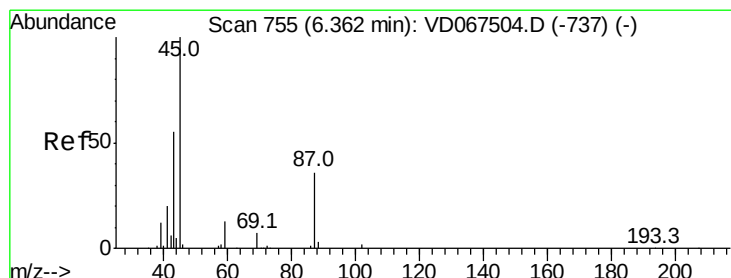
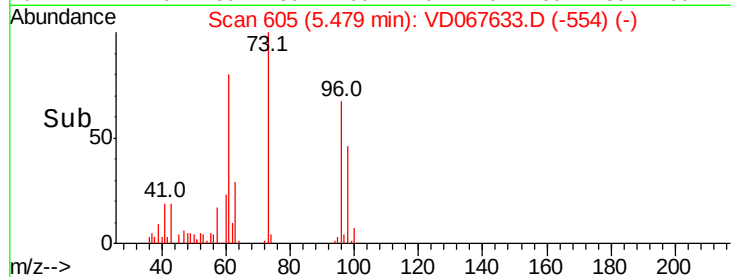
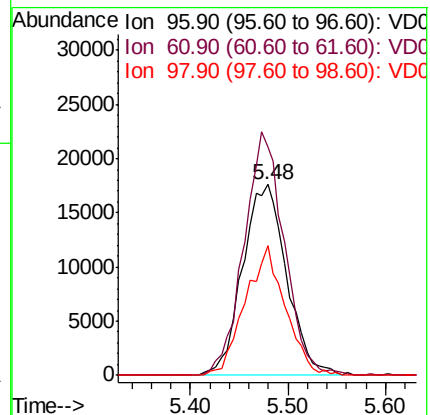
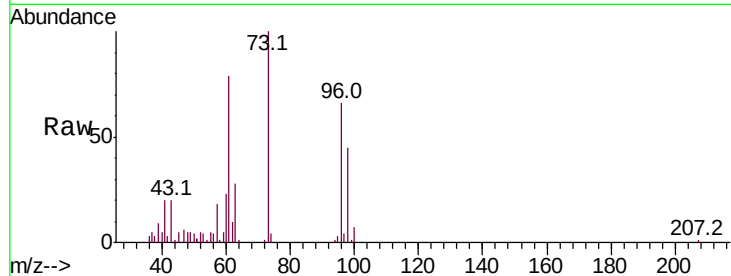
Tot Ion: 96 Resp: 55687

Ion Ratio Lower Upper

96 100

61 119.5 93.0 139.6

98 68.3 50.9 76.3



#22

Diisopropyl ether

Concen: 19.881 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.01 min

Lab File: VD067633.D

Acq: 16 Nov 2020 11:45

Tgt Ion: 45 Resp: 102374

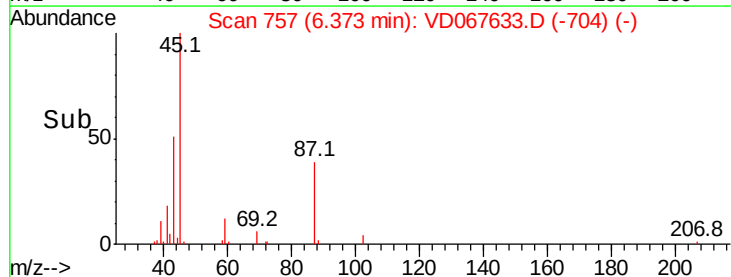
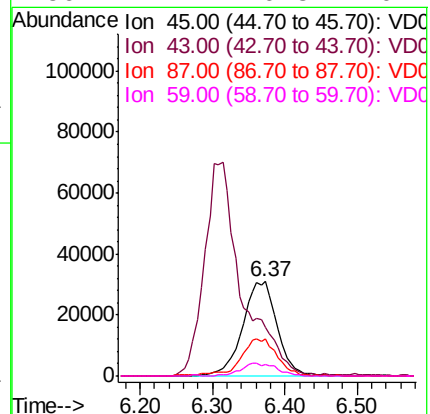
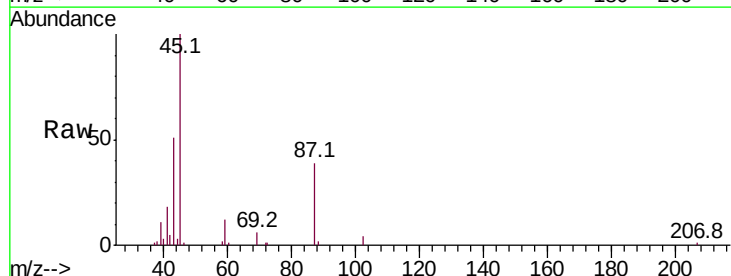
Ion Ratio Lower Upper

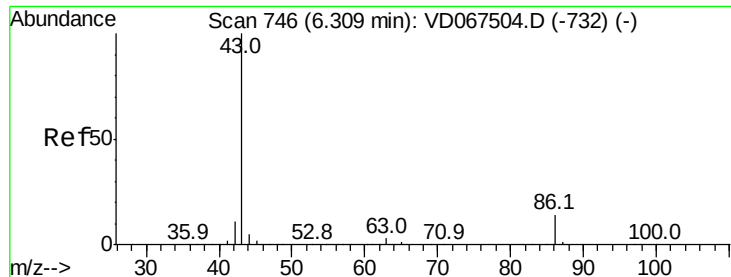
45 100

43 50.4 46.2 69.4

87 38.0 29.4 44.2

59 12.1 10.8 16.2





#23

Vinyl Acetate

Concen: 93.449 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.01 min

Lab File: VD067633.D

Acq: 16 Nov 2020 11:45

Instrument :

MSVOA_D

ClientSampleId :

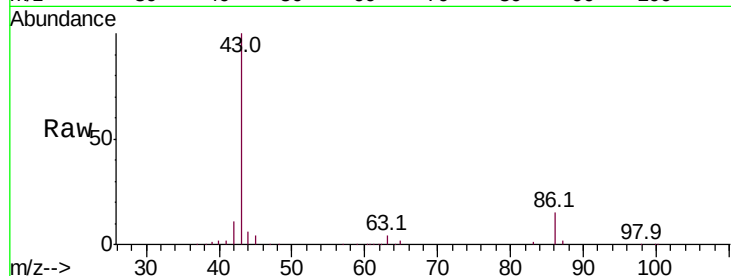
VD1116SBS01

Tot Ion: 43 Resp: 251889

Ion Ratio Lower Upper

43 100

86 15.3 11.6 17.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

80000

60000

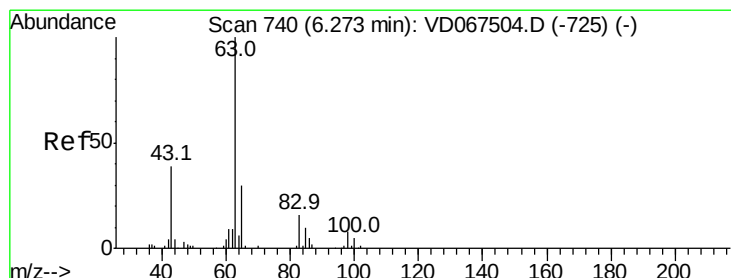
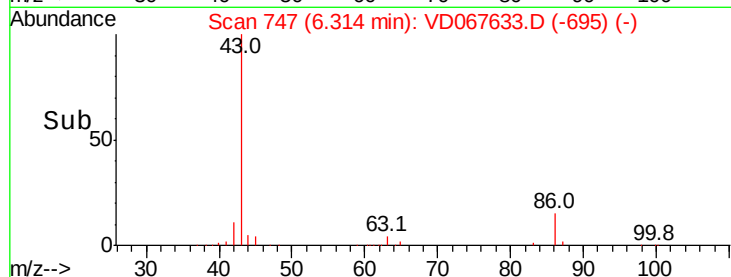
40000

20000

0

Time-->

6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 19.521 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD067633.D

Acq: 16 Nov 2020 11:45

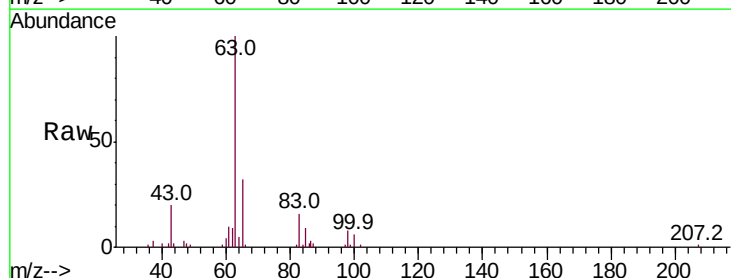
Tgt Ion: 63 Resp: 82234

Ion Ratio Lower Upper

63 100

98 8.4 3.9 11.5

100 6.1 2.6 7.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.27

30000

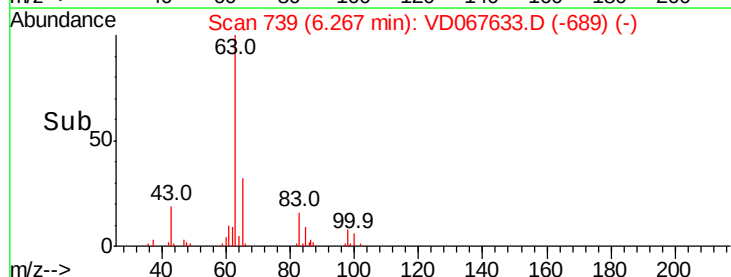
20000

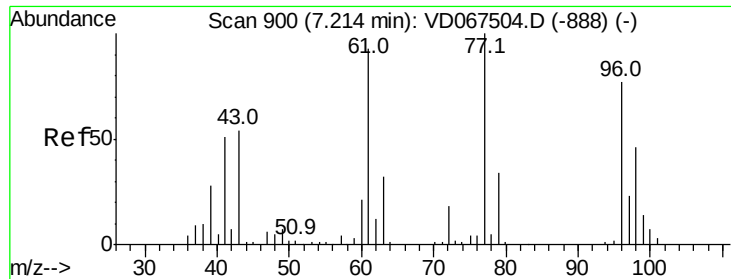
10000

0

Time-->

6.20 6.30

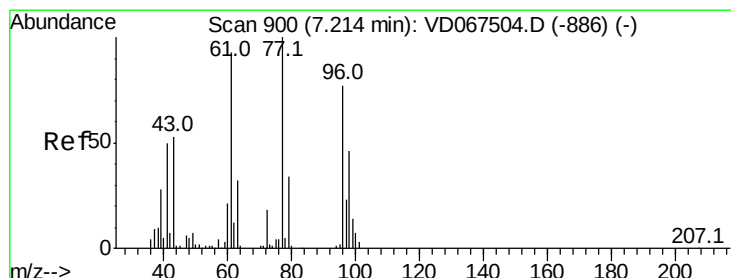
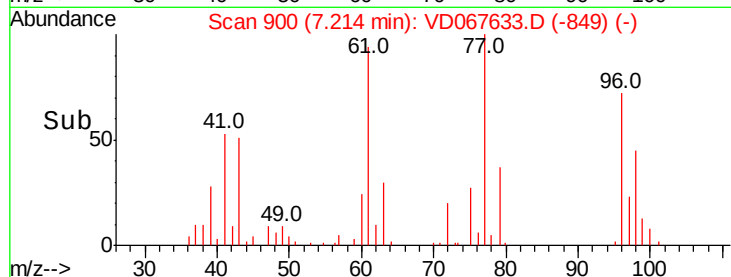
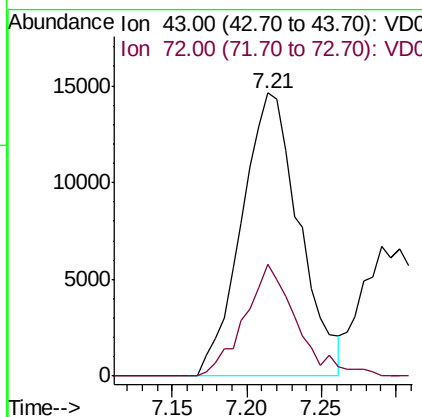
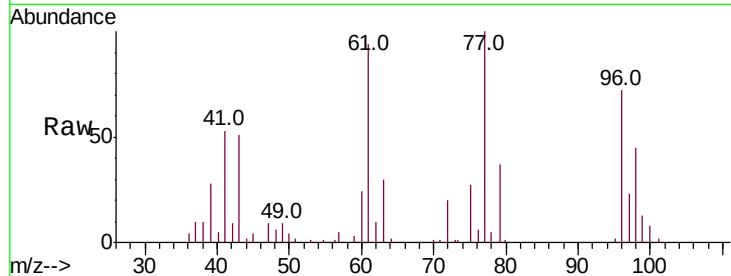




#25
2-Butanone
Concen: 95.213 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD067633.D
Acq: 16 Nov 2020 11:45

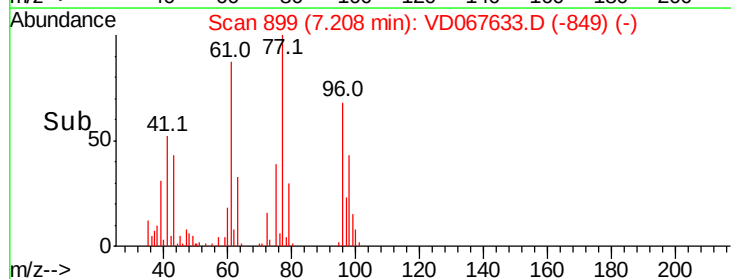
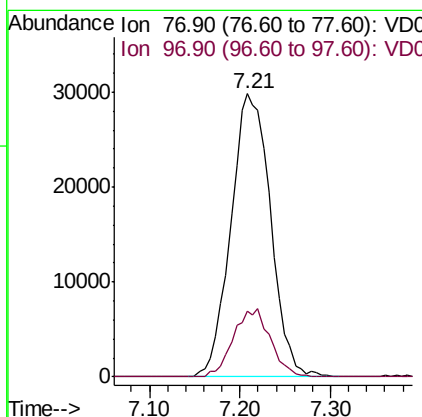
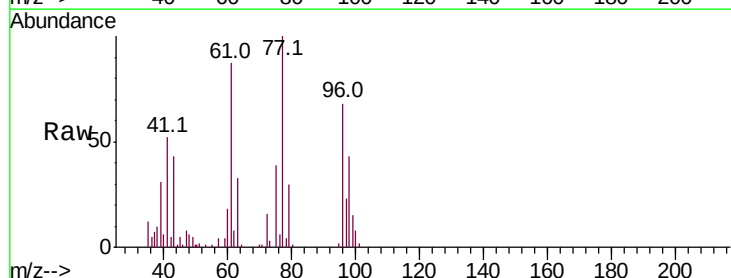
Instrument :
MSVOA_D
ClientSampleId :
VD1116SBS01

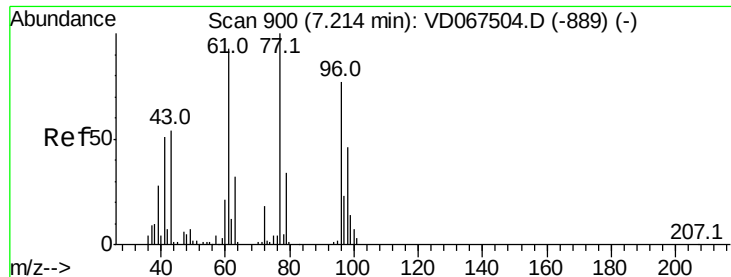
Tot Ion: 43 Resp: 39379
Ion Ratio Lower Upper
43 100
72 39.4 26.4 39.6



#26
2,2-Dichloropropane
Concen: 20.342 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD067633.D
Acq: 16 Nov 2020 11:45

Tgt Ion: 77 Resp: 90441
Ion Ratio Lower Upper
77 100
97 22.4 11.1 33.3



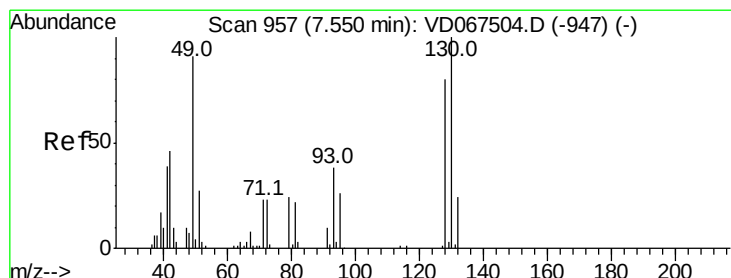
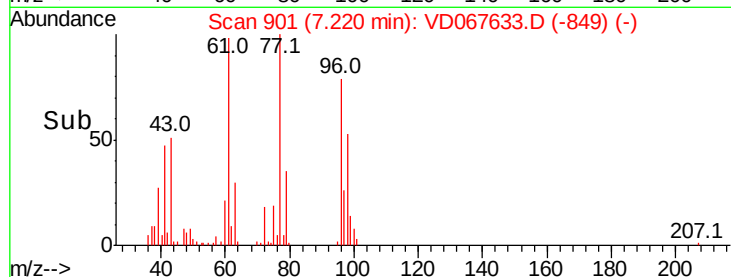
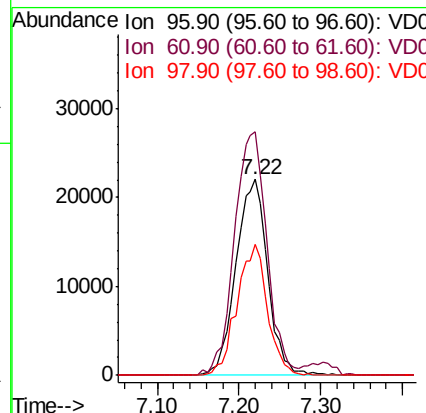
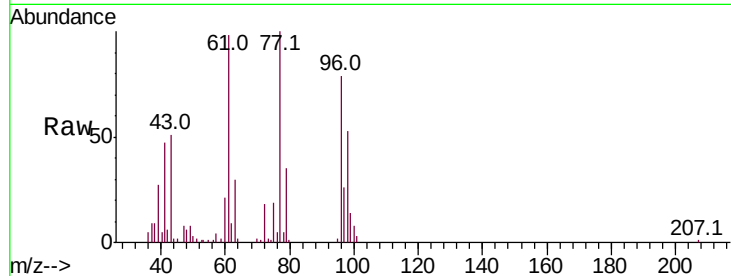


#27

cis-1,2-Dichloroethene
Concen: 19.937 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD067633.D
Acq: 16 Nov 2020 11:45

Instrument :
MSVOA_D
ClientSampleId :
VD1116SBS01

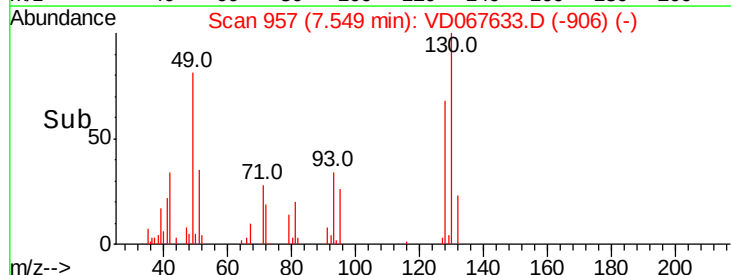
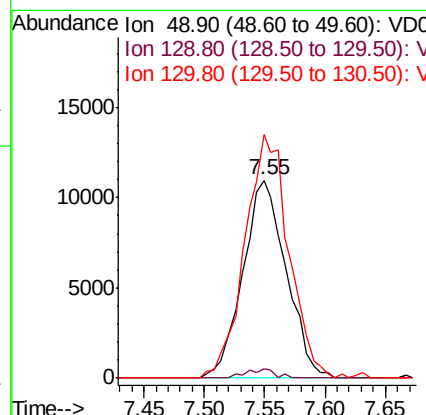
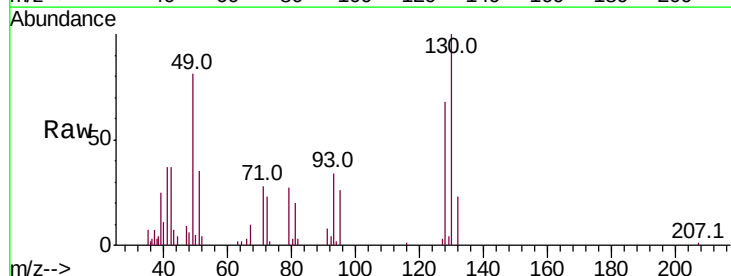
Tot Ion	96	Resp	59509
Ion	Ratio	Lower	Upper
96	100		
61	127.4	0.0	251.6
98	63.6	0.0	128.0

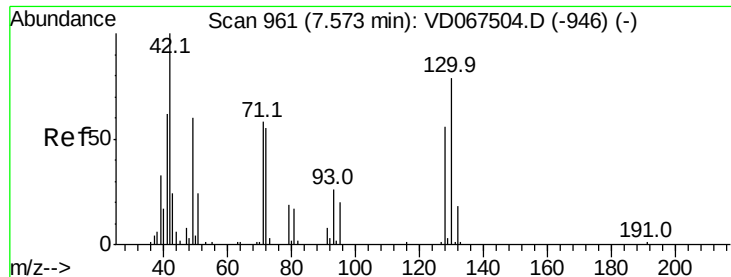


#28

Bromochloromethane
Concen: 18.237 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD067633.D
Acq: 16 Nov 2020 11:45

Tgt Ion	49	Resp	27328
Ion	Ratio	Lower	Upper
49	100		
129	3.1	0.0	6.4
130	124.0	94.6	142.0

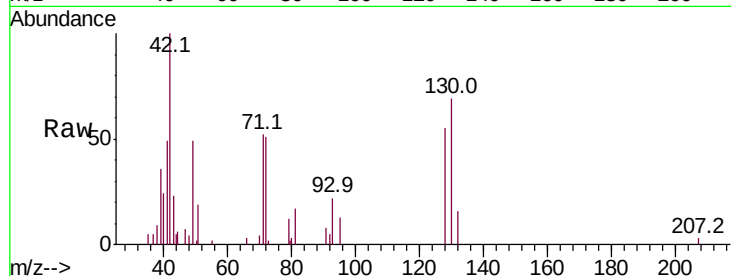




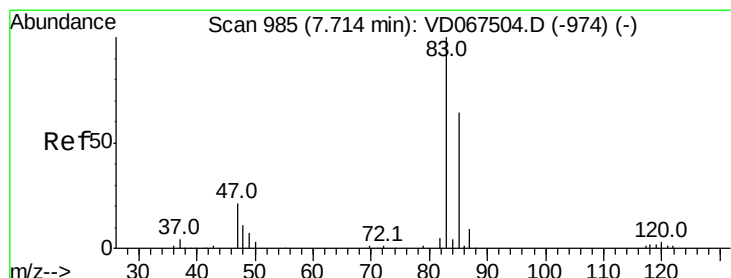
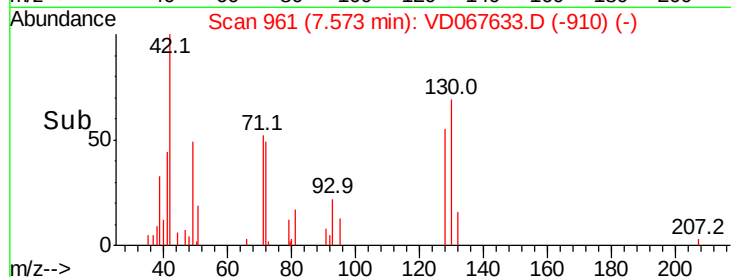
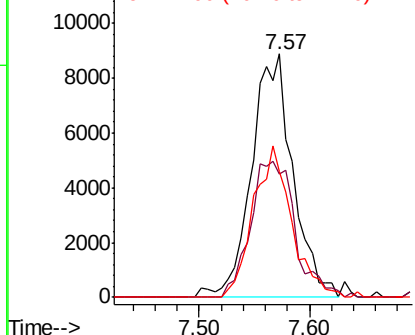
#29
Tetrahydrofuran
Concen: 93.844 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD067633.D
Acq: 16 Nov 2020 11:45

Instrument :
MSVOA_D
ClientSampleId :
VD1116SBS01

Tot Ion: 42 Resp: 23249
Ion Ratio Lower Upper
42 100
72 60.8 46.3 69.5
71 57.9 44.0 66.0

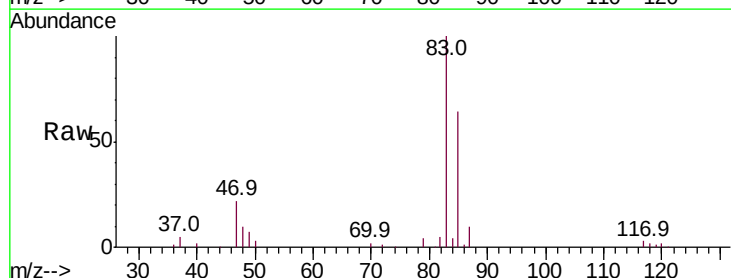


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

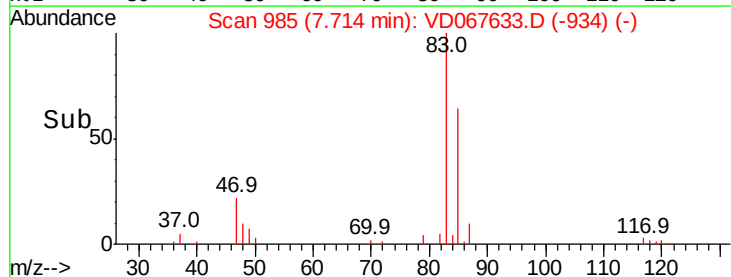
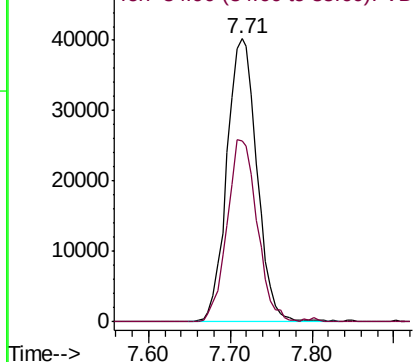


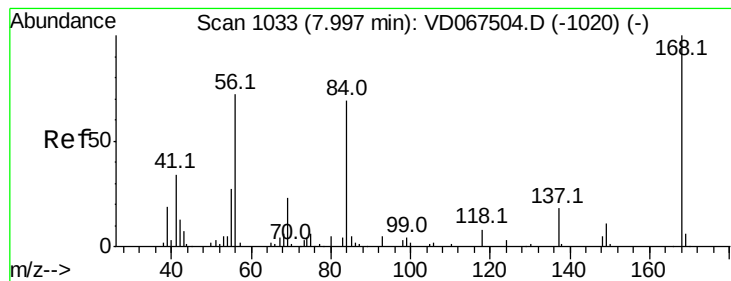
#30
Chloroform
Concen: 20.445 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD067633.D
Acq: 16 Nov 2020 11:45

Tgt Ion: 83 Resp: 102753
Ion Ratio Lower Upper
83 100
85 63.9 51.5 77.3



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





#31

Cyclohexane

Concen: 18.401 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. -0.01 min

Lab File: VD067633.D

Acq: 16 Nov 2020 11:45

Instrument :

MSVOA_D

ClientSampleId :

VD1116SBS01

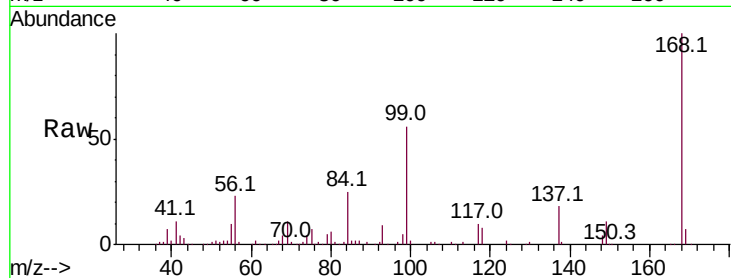
Tot Ion: 56 Resp: 69031

Ion Ratio Lower Upper

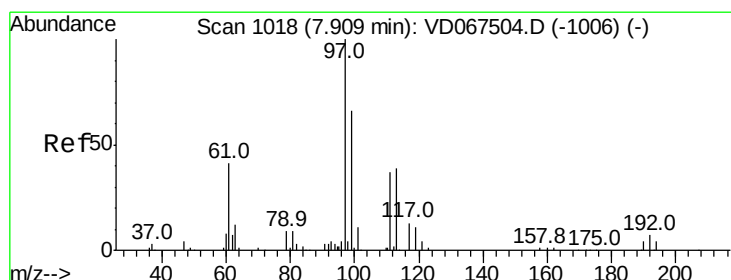
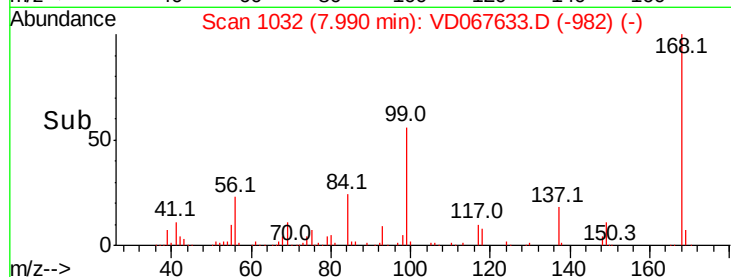
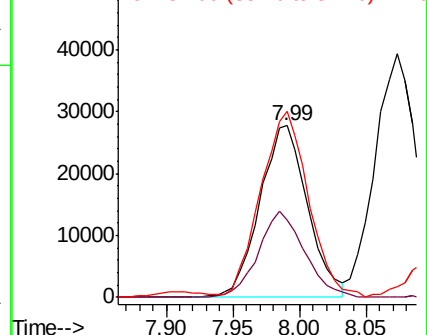
56 100

69 45.0 25.9 38.9#

84 105.7 76.2 114.4



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: 19.654 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VD067633.D

Acq: 16 Nov 2020 11:45

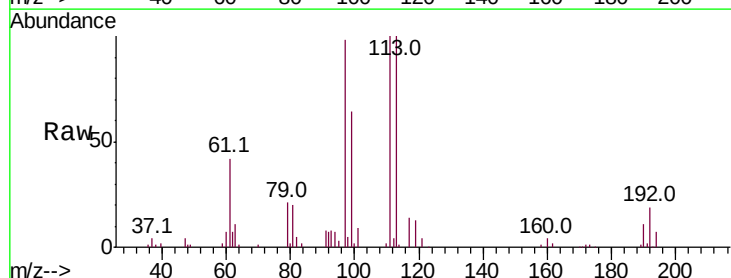
Tgt Ion: 97 Resp: 101915

Ion Ratio Lower Upper

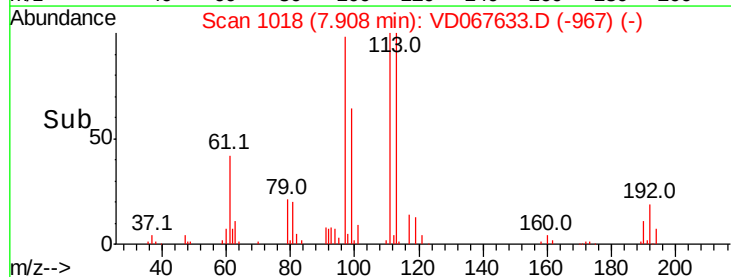
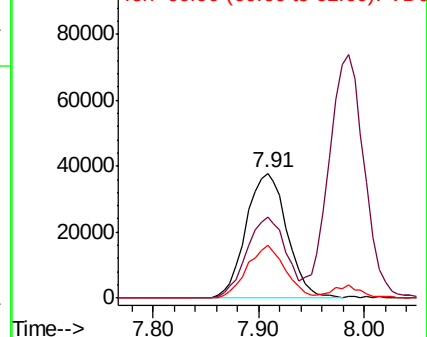
97 100

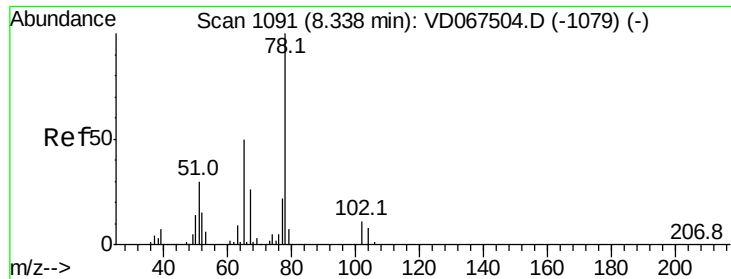
99 62.1 51.8 77.6

61 39.3 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

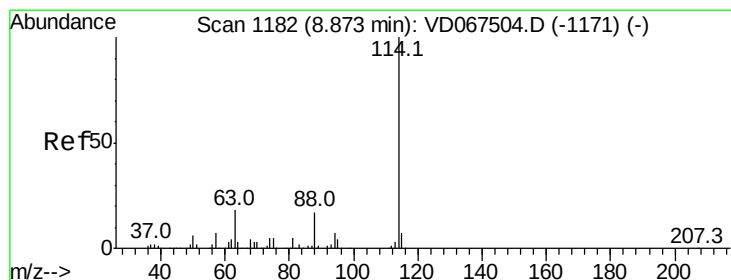
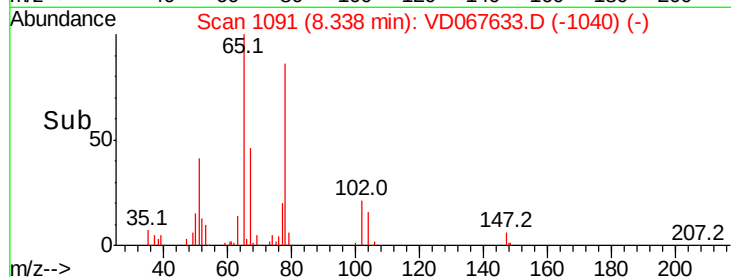
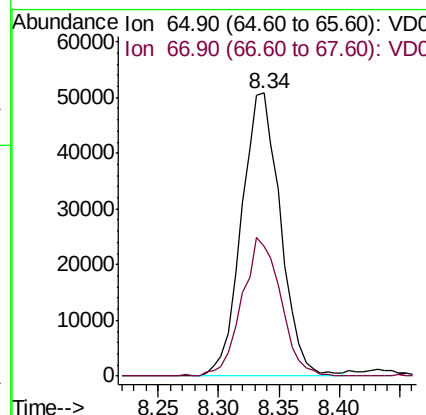
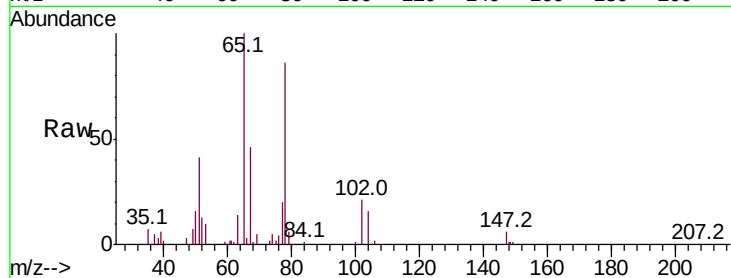




#33
 1,2-Dichloroethane-d4
 Concen: 44.186 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD067633.D
 Acq: 16 Nov 2020 11:45

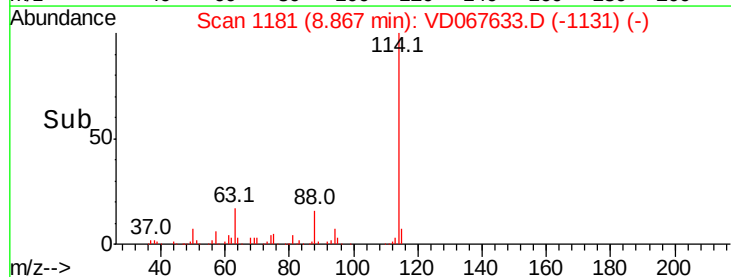
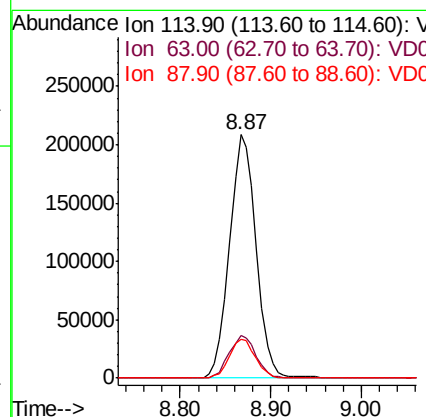
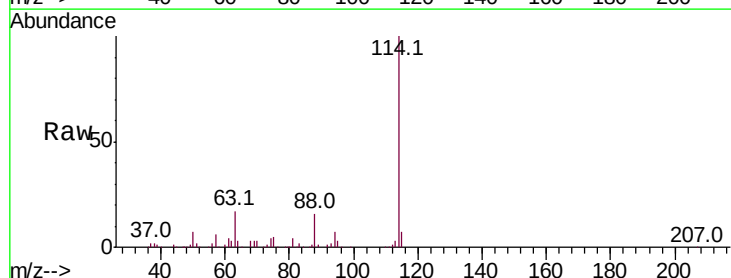
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1116SBSD01

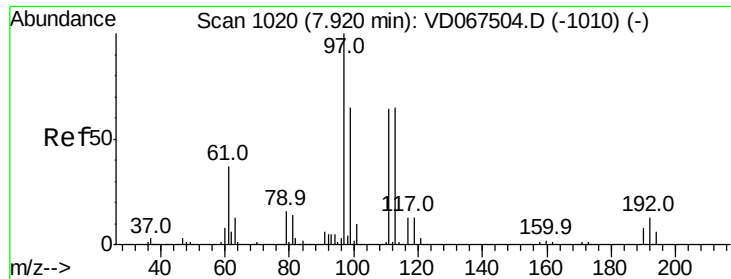
Tot Ion: 65 Resp: 114290
 Ion Ratio Lower Upper
 65 100
 67 48.6 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.01 min
 Lab File: VD067633.D
 Acq: 16 Nov 2020 11:45

Tgt Ion: 114 Resp: 424954
 Ion Ratio Lower Upper
 114 100
 63 17.3 0.0 35.0
 88 16.1 0.0 33.0

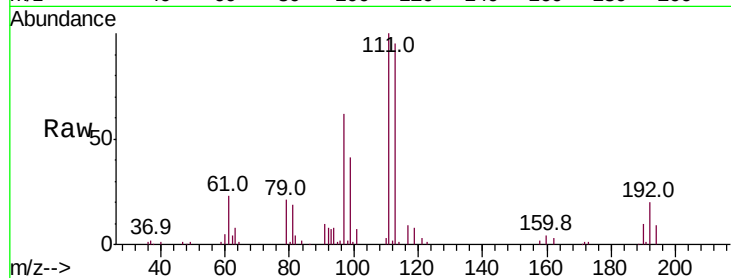




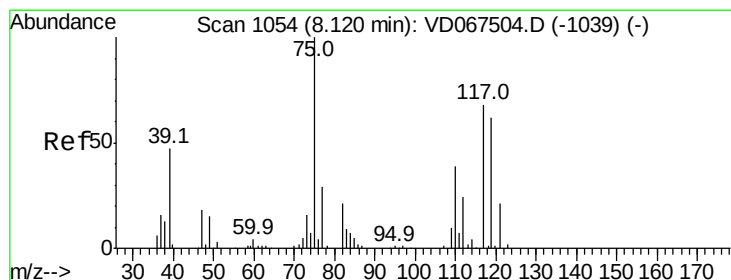
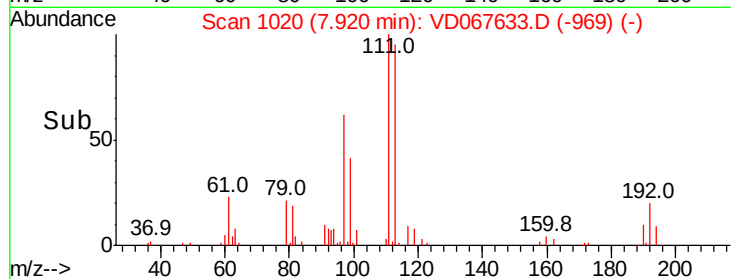
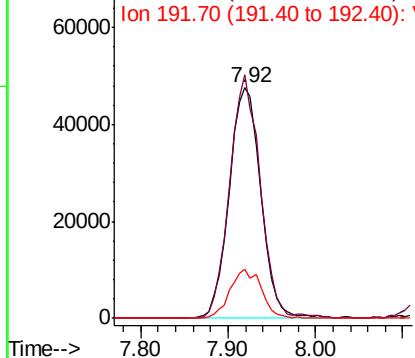
#35
 Dibromofluoromethane
 Concen: 45.677 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD067633.D
 Acq: 16 Nov 2020 11:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1116SBSD01

Tot Ion:113 Resp: 116948
 Ion Ratio Lower Upper
 113 100
 111 101.8 80.0 120.0
 192 21.1 16.3 24.5

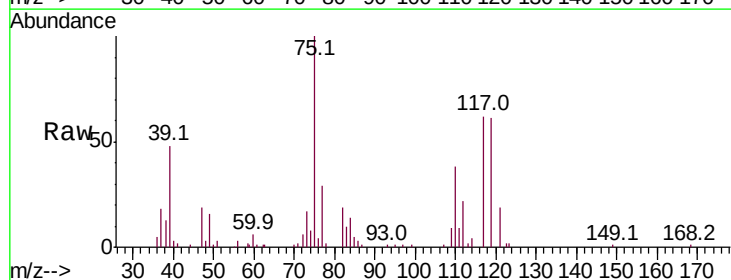


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

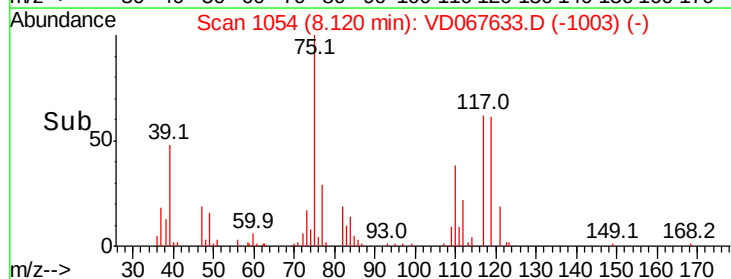
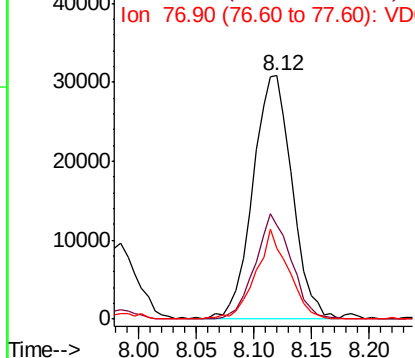


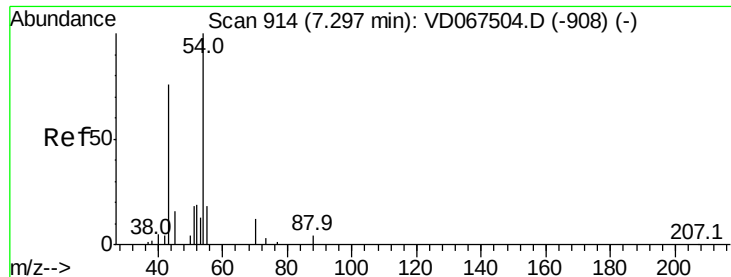
#36
 1,1-Dichloropropene
 Concen: 20.164 ug/l
 RT: 8.12 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: VD067633.D
 Acq: 16 Nov 2020 11:45

Tgt Ion: 75 Resp: 73349
 Ion Ratio Lower Upper
 75 100
 110 39.6 19.9 59.7
 77 30.8 24.8 37.2



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





#37

Ethyl Acetate

Concen: 18.313 ug/l

RT: 7.29 min Scan# 913

Delta R.T. -0.01 min

Lab File: VD067633.D

Acq: 16 Nov 2020 11:45

Instrument :

MSVOA_D

ClientSampleId :

VD1116SBS01

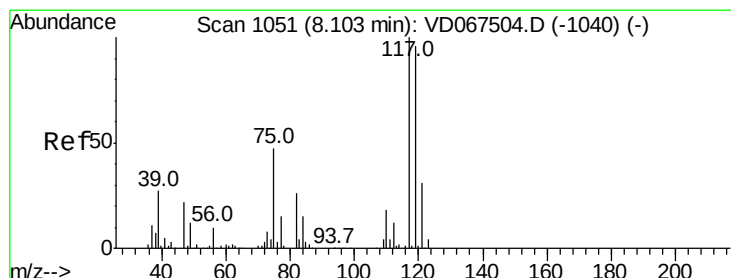
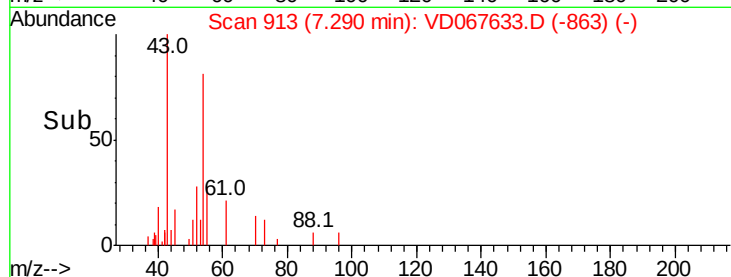
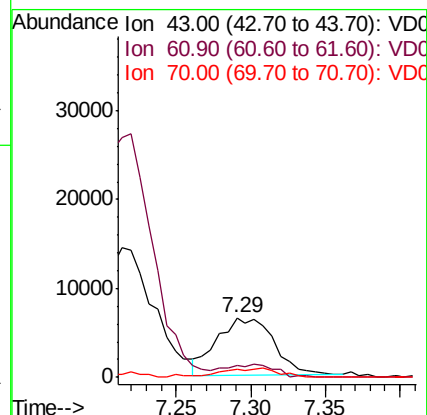
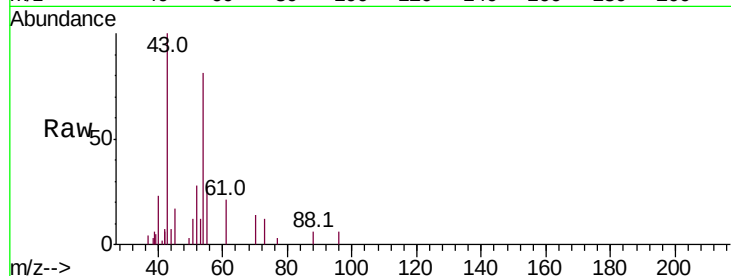
Tot Ion: 43 Resp: 17294

Ion Ratio Lower Upper

43 100

61 19.7 12.8 19.2#

70 5.9 11.7 17.5#



#38

Carbon Tetrachloride

Concen: 21.195 ug/l

RT: 8.10 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VD067633.D

Acq: 16 Nov 2020 11:45

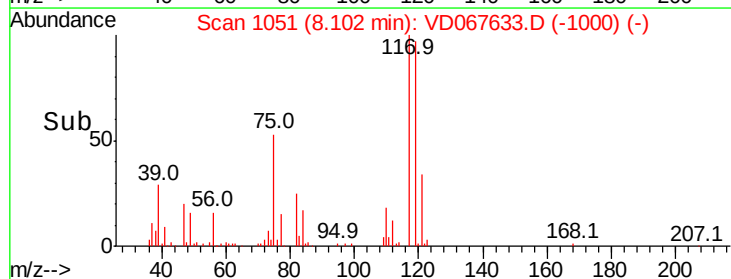
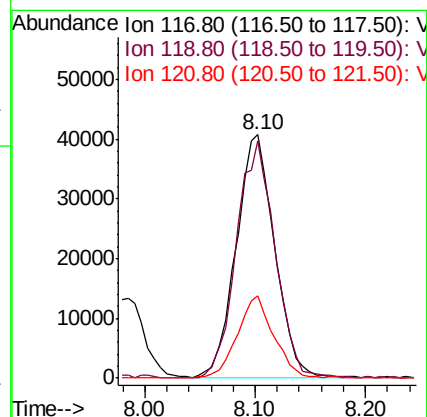
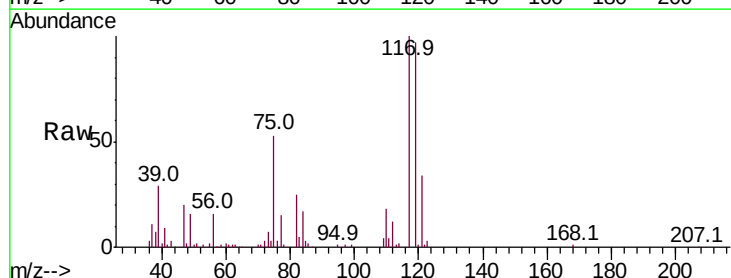
Tgt Ion: 117 Resp: 100173

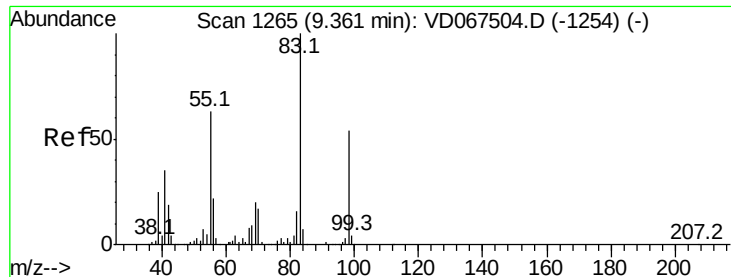
Ion Ratio Lower Upper

117 100

119 96.8 76.9 115.3

121 33.9 24.5 36.7

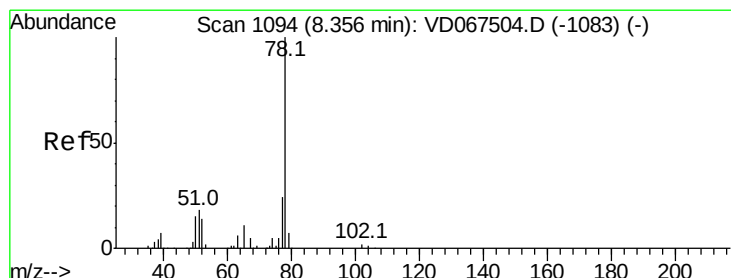
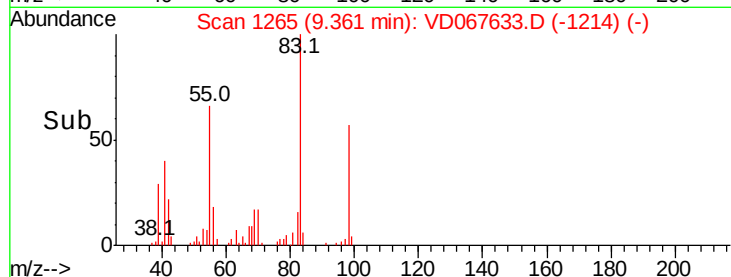
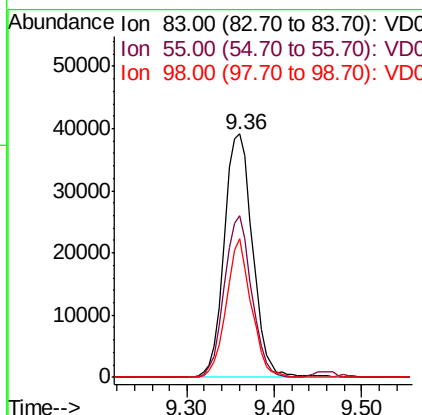
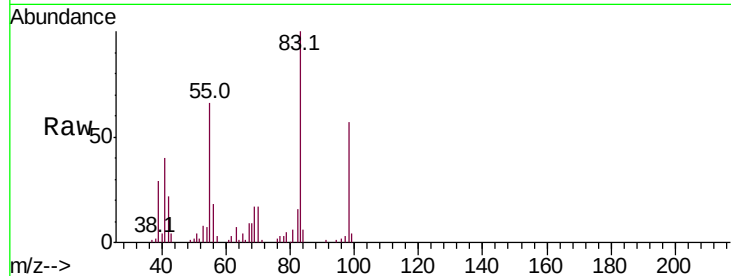




#39
Methylvlcyclohexane
Concen: 20.321 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VD067633.D
Acq: 16 Nov 2020 11:45

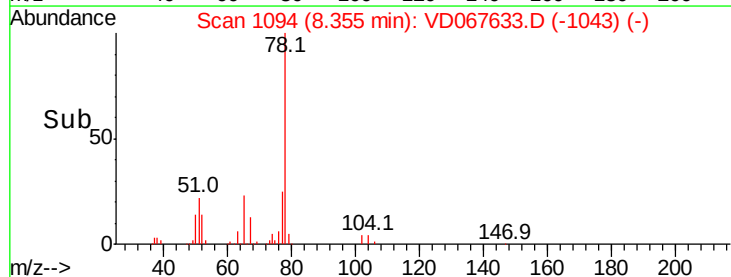
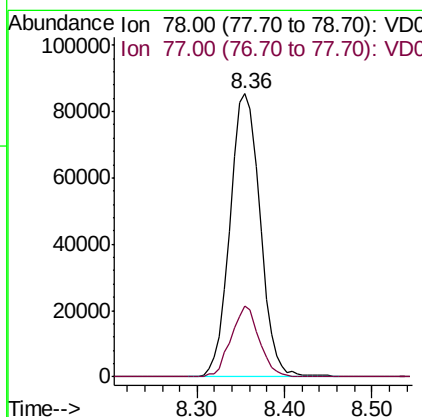
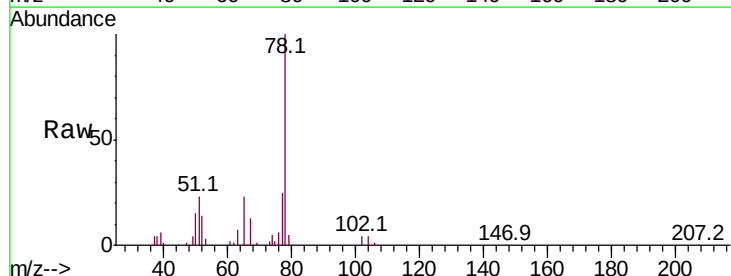
Instrument :
MSVOA_D
ClientSampleId :
VD1116SBS01

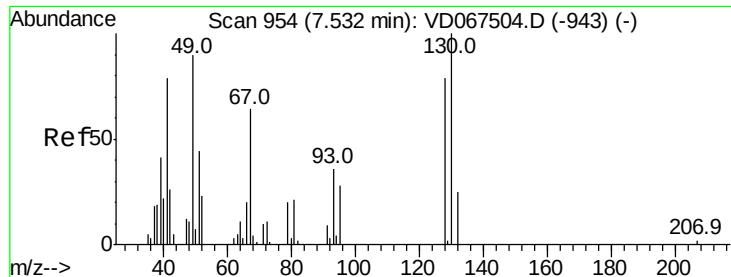
Tot Ion	83	Resp	87002
Ion Ratio	Lower	Upper	
83	100		
55	66.4	50.5	75.7
98	56.9	43.4	65.0



#40
Benzene
Concen: 20.323 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD067633.D
Acq: 16 Nov 2020 11:45

Tgt Ion	78	Resp	200244
Ion Ratio	Lower	Upper	
78	100		
77	24.8	19.1	28.7





#41

Methacrylonitrile

Concen: 21.265 ug/l

RT: 7.54 min Scan# 955

Delta R.T. 0.01 min

Lab File: VD067633.D

Acq: 16 Nov 2020 11:45

Instrument :

MSVOA_D

ClientSampleId :

VD1116SBS01

Tot Ion: 41 Resp: 12004

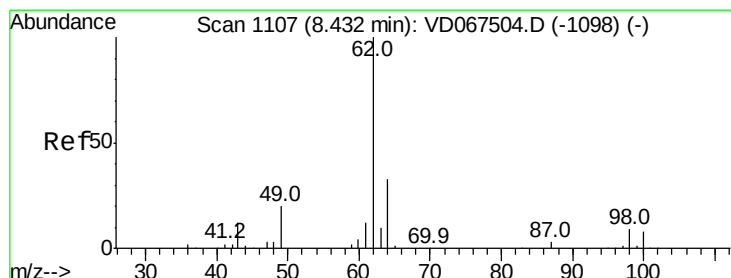
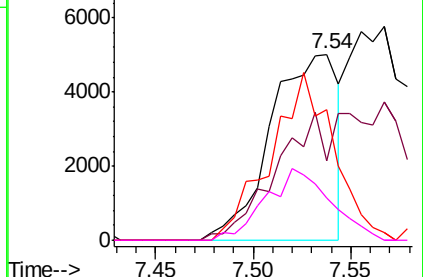
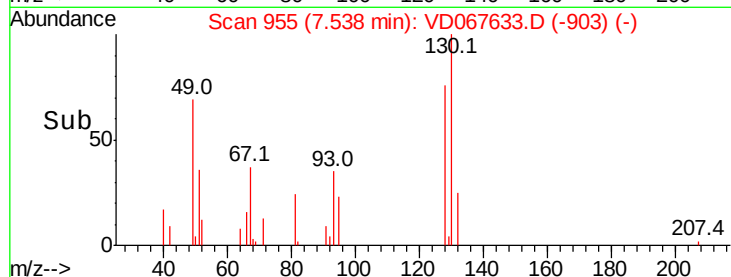
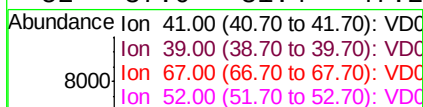
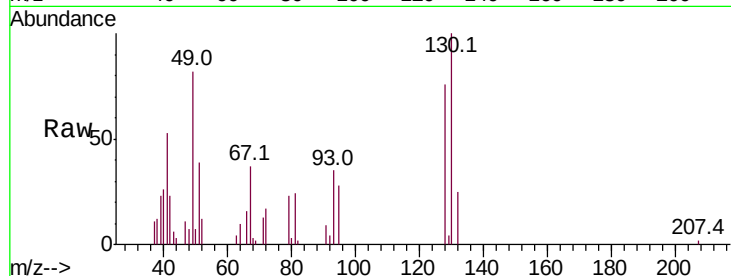
Ion Ratio Lower Upper

41 100

39 51.1 51.3 76.9#

67 83.8 78.9 118.3

52 37.0 31.4 47.2



#42

1,2-Dichloroethane

Concen: 20.943 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD067633.D

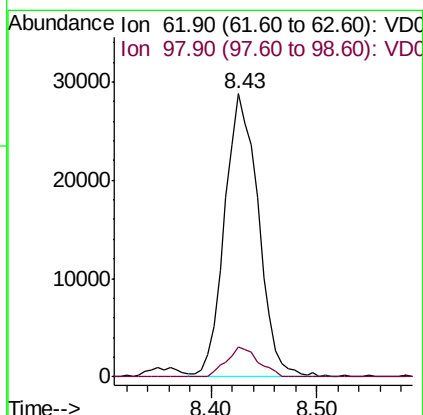
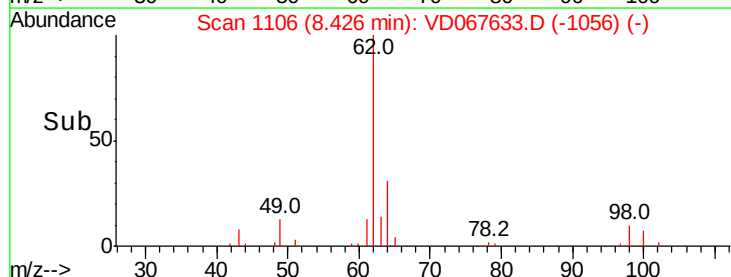
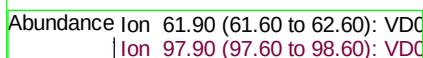
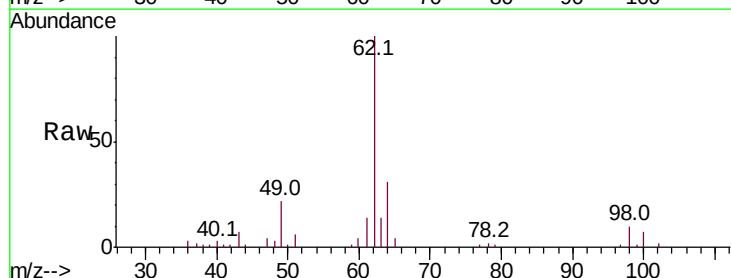
Acq: 16 Nov 2020 11:45

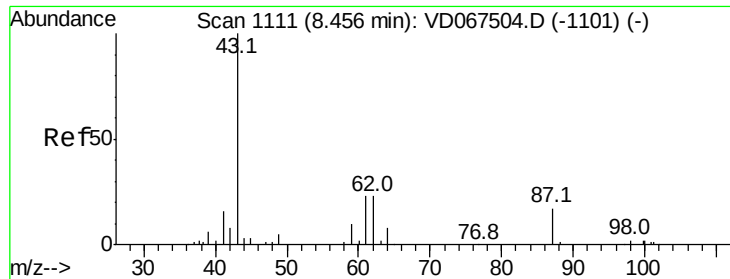
Tgt Ion: 62 Resp: 63756

Ion Ratio Lower Upper

62 100

98 9.8 0.0 19.8





#43

Isopropyl Acetate

Concen: 19.832 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD067633.D

Acq: 16 Nov 2020 11:45

Instrument :

MSVOA_D

ClientSampleId :

VD1116SBSD01

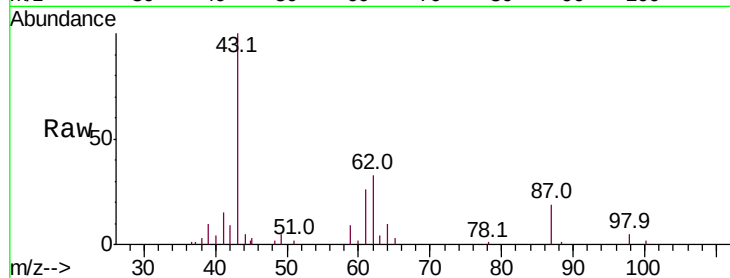
Tot Ion: 43 Resp: 37040

Ion Ratio Lower Upper

43 100

61 41.4 30.5 45.7

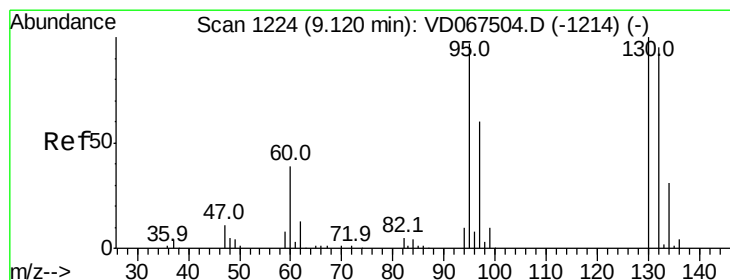
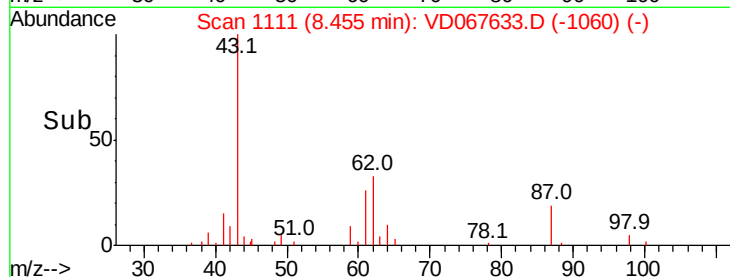
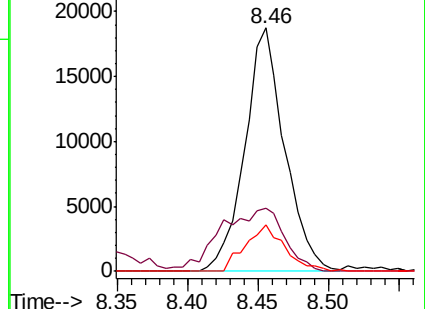
87 18.8 14.7 22.1



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: 20.596 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VD067633.D

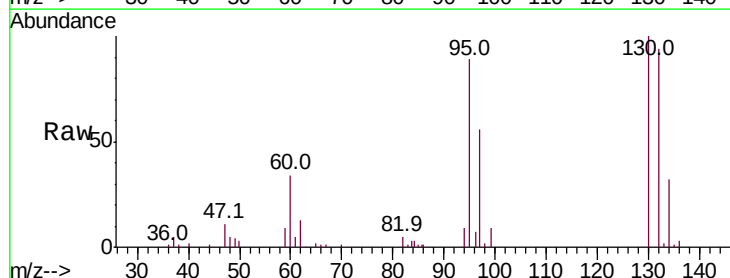
Acq: 16 Nov 2020 11:45

Tgt Ion:130 Resp: 66727

Ion Ratio Lower Upper

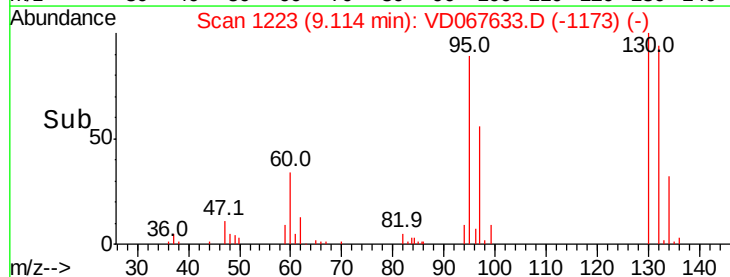
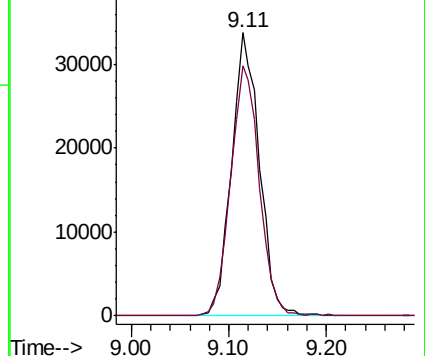
130 100

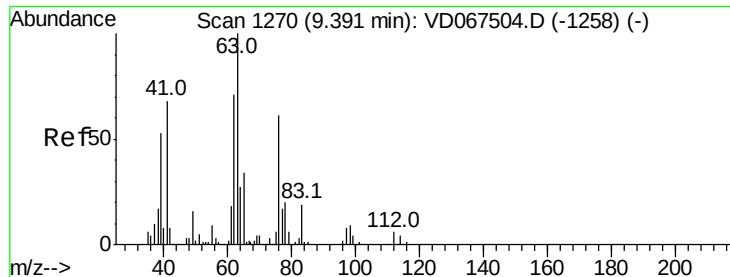
95 88.6 0.0 194.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 20.520 ug/l

RT: 9.40 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VD067633.D

Acq: 16 Nov 2020 11:45

Instrument :

MSVOA_D

ClientSampleId :

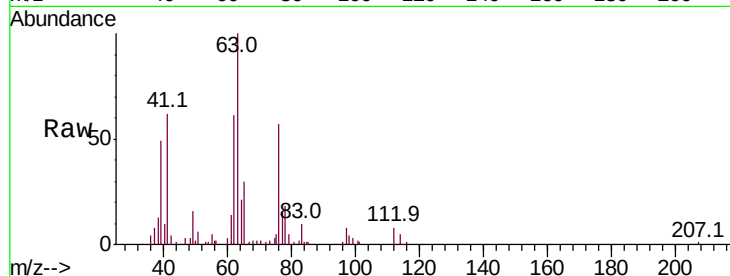
VD1116SBSD01

Tot Ion: 63 Resp: 43715

Ion Ratio Lower Upper

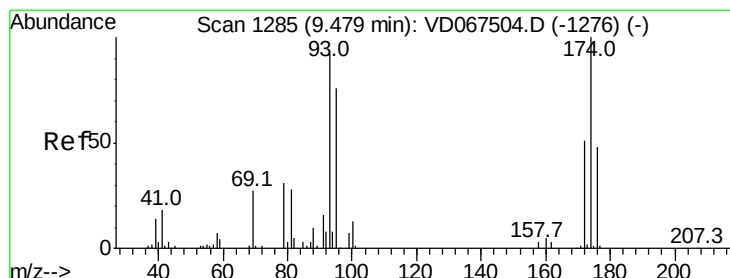
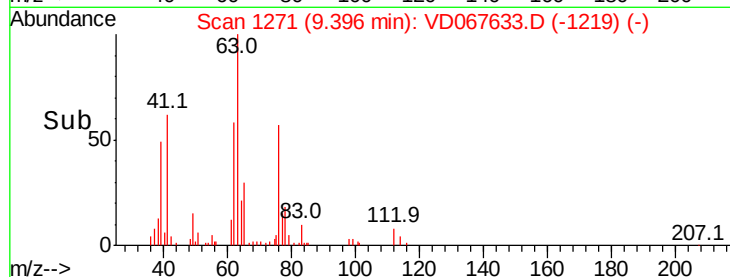
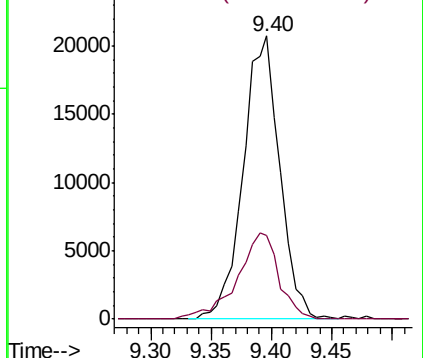
63 100

65 29.5 26.9 40.3



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 21.041 ug/l

RT: 9.48 min Scan# 1286

Delta R.T. 0.01 min

Lab File: VD067633.D

Acq: 16 Nov 2020 11:45

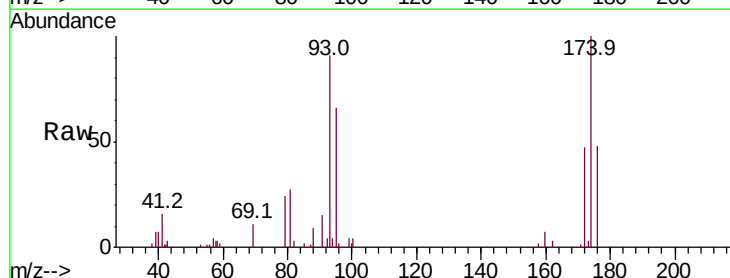
Tgt Ion: 93 Resp: 28500

Ion Ratio Lower Upper

93 100

95 77.0 66.4 99.6

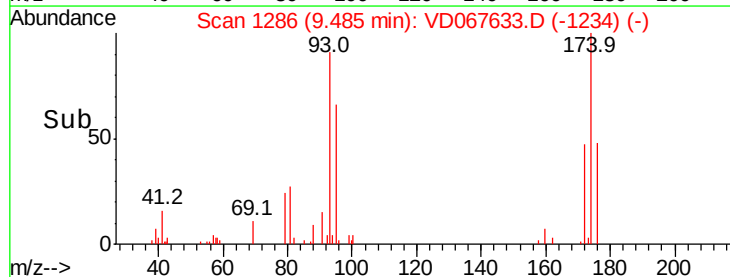
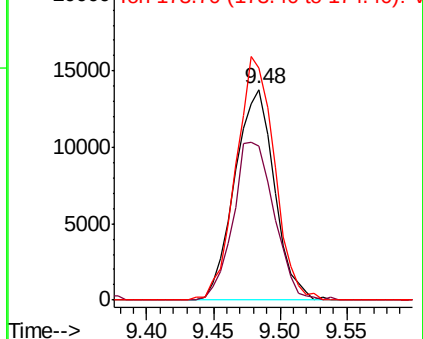
174 111.7 88.2 132.4

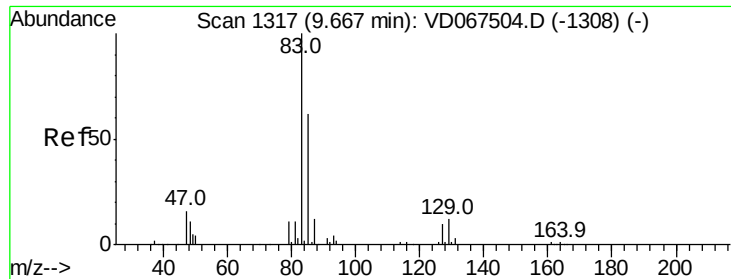


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.845 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD067633.D

Acq: 16 Nov 2020 11:45

Instrument :

MSVOA_D

ClientSampleId :

VD1116SBSD01

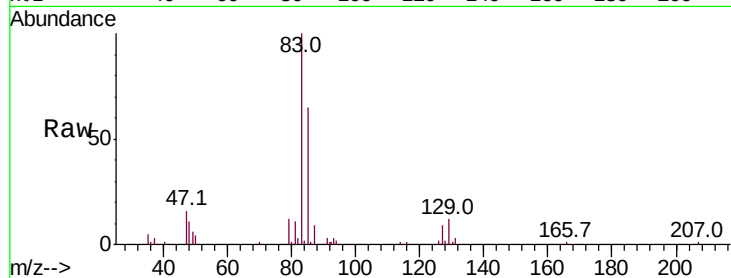
Tot Ion: 83 Resp: 76744

Ion Ratio Lower Upper

83 100

85 64.5 49.4 74.2

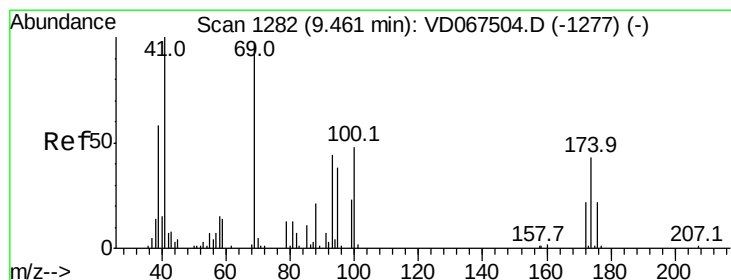
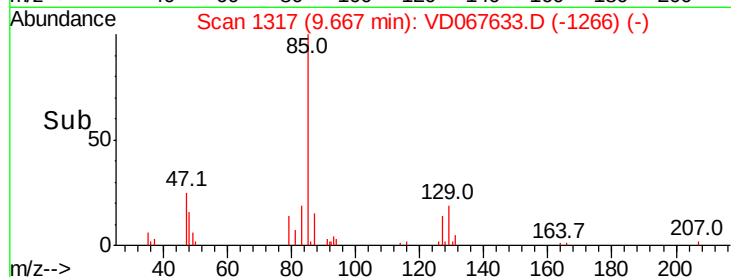
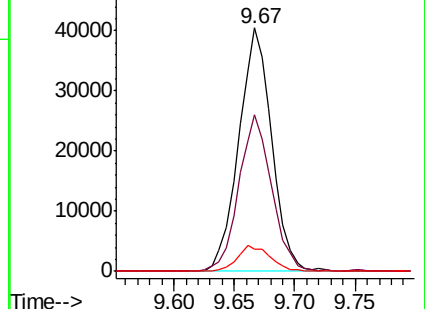
127 9.3 7.7 11.5



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: 18.669 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. 0.01 min

Lab File: VD067633.D

Acq: 16 Nov 2020 11:45

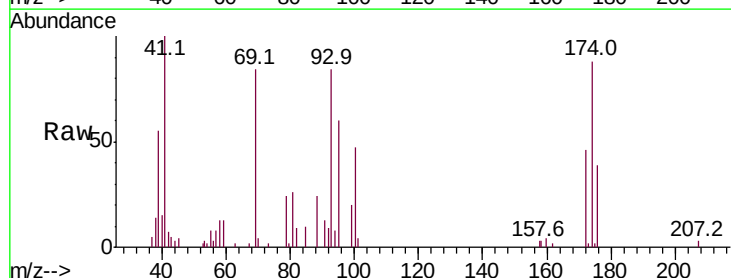
Tgt Ion: 41 Resp: 18003

Ion Ratio Lower Upper

41 100

69 102.5 80.6 121.0

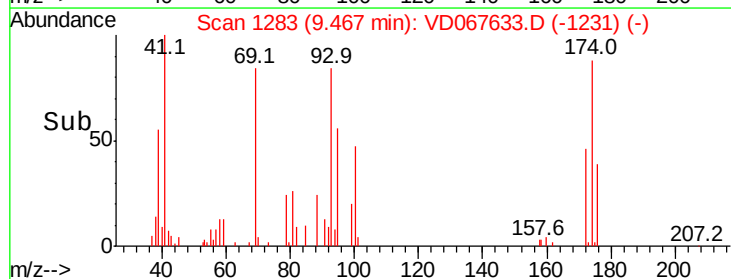
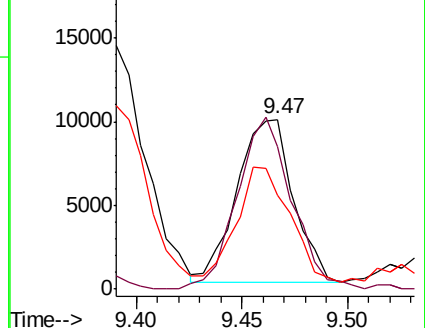
39 67.4 50.2 75.4

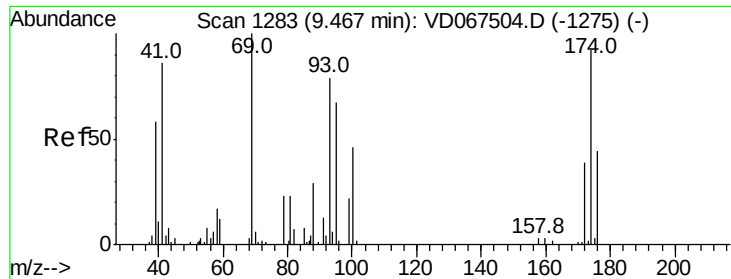


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#49

1,4-Dioxane

Concen: 408.123 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VD067633.D

Acq: 16 Nov 2020 11:45

Instrument :

MSVOA_D

ClientSampleId :

VD1116SBS01

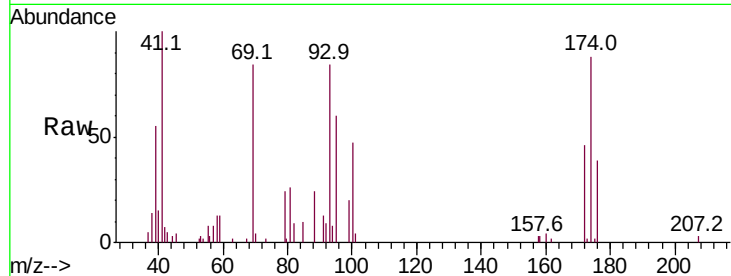
Tot Ion: 88 Resp: 5612

Ion Ratio Lower Upper

88 100

43 32.0 23.6 35.4

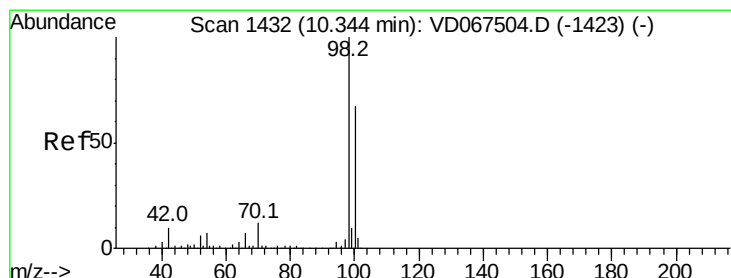
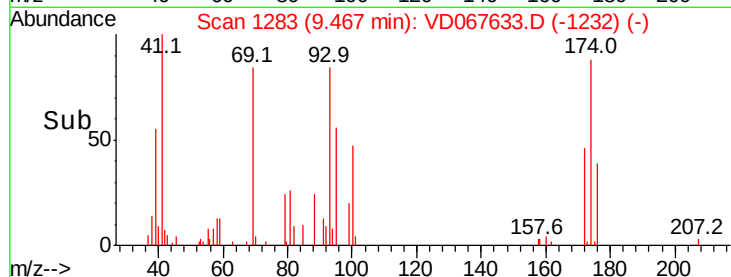
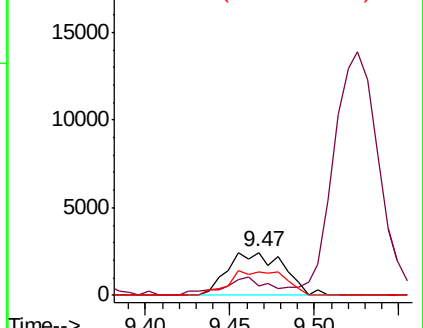
58 56.8 44.7 67.1



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 45.308 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD067633.D

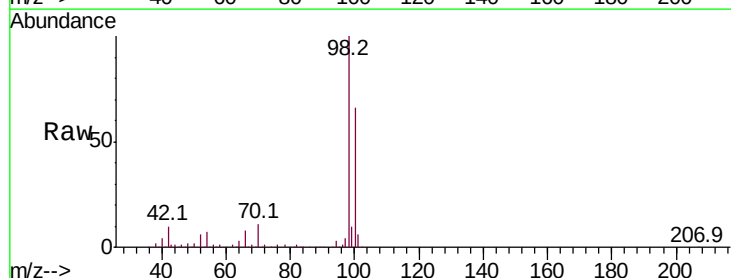
Acq: 16 Nov 2020 11:45

Tgt Ion: 98 Resp: 407666

Ion Ratio Lower Upper

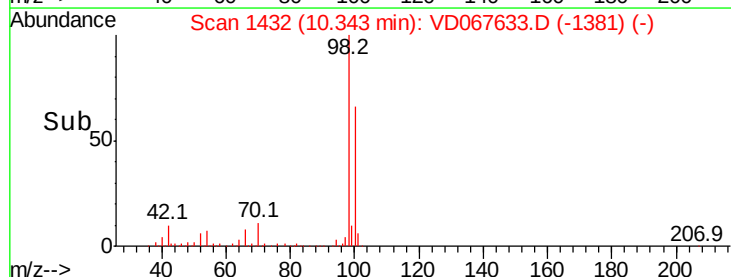
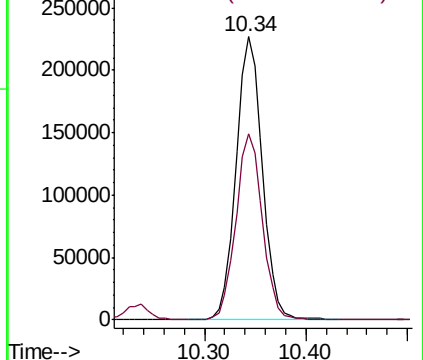
98 100

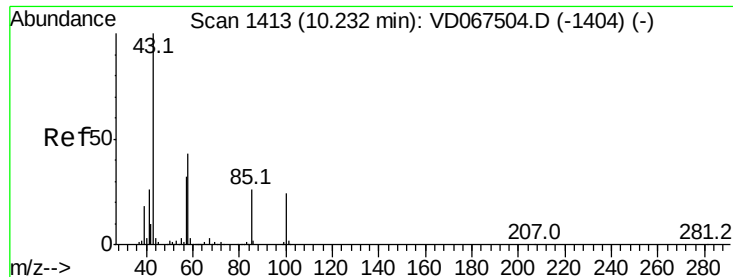
100 66.3 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

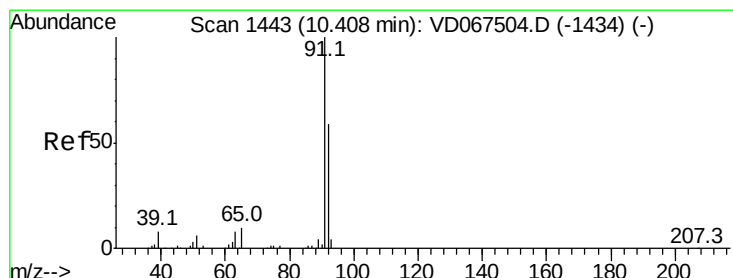
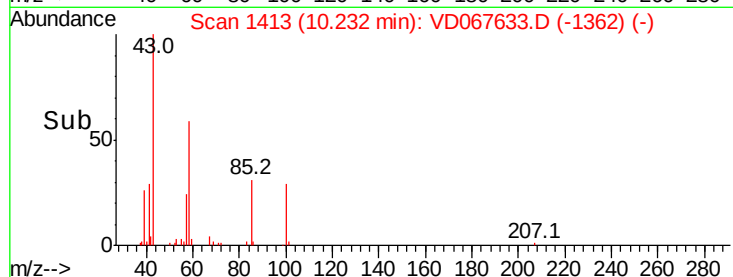
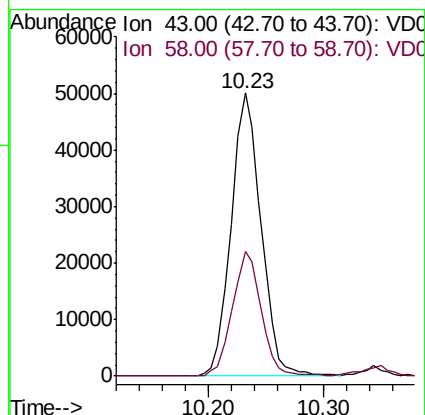
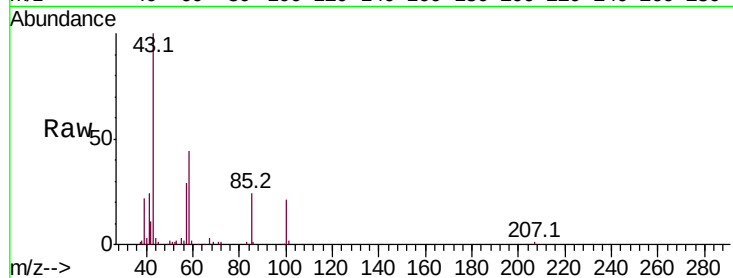




#51
4-Methyl-2-Pentanone
Concen: 100.601 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD067633.D
Acq: 16 Nov 2020 11:45

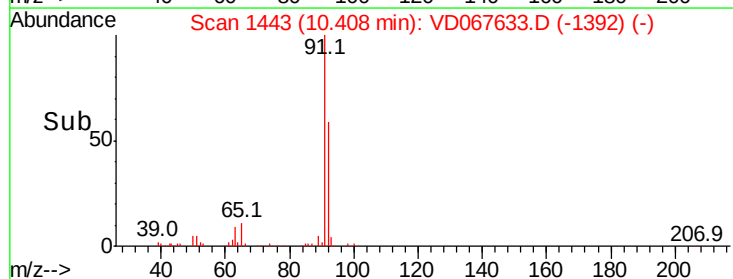
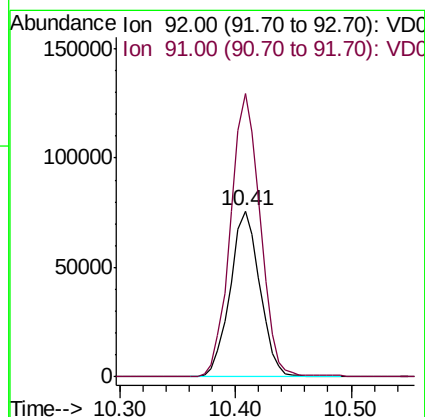
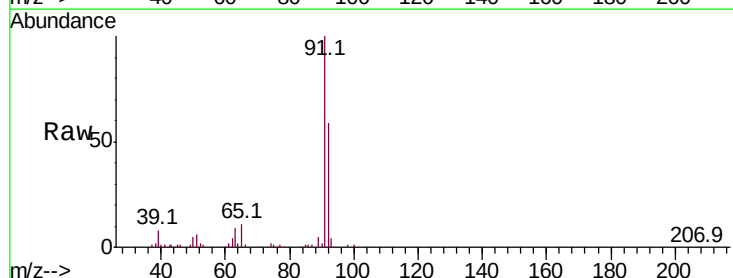
Instrument :
MSVOA_D
ClientSampleId :
VD1116SBS01

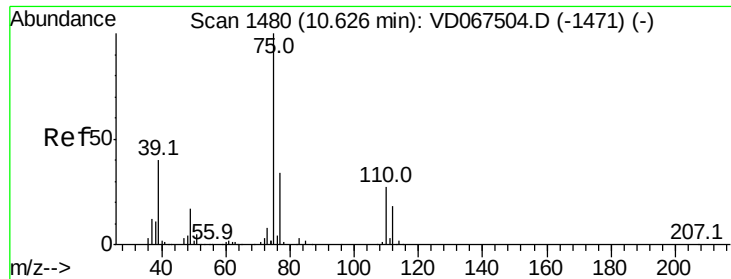
Tot Ion: 43 Resp: 89859
Ion Ratio Lower Upper
43 100
58 42.4 35.6 53.4



#52
Toluene
Concen: 20.638 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD067633.D
Acq: 16 Nov 2020 11:45

Tgt Ion: 92 Resp: 136206
Ion Ratio Lower Upper
92 100
91 169.2 137.0 205.6

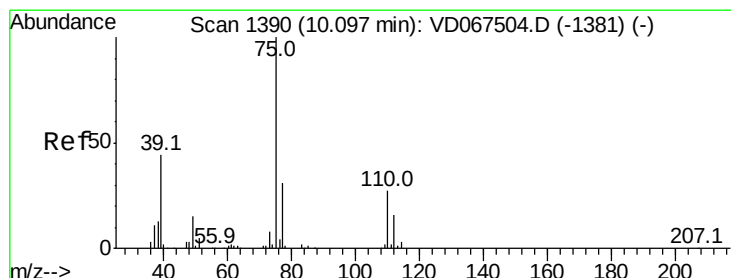
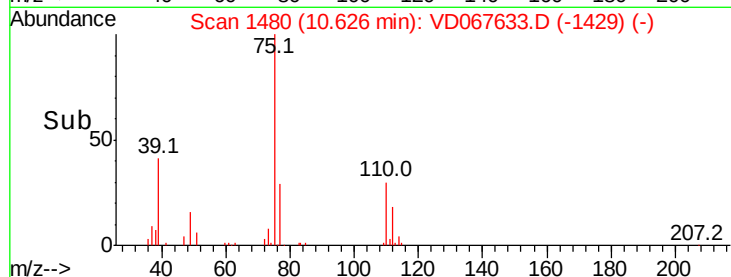
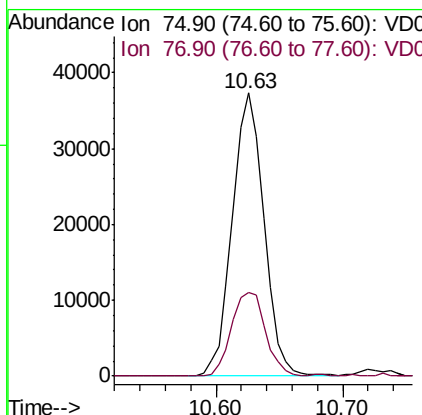
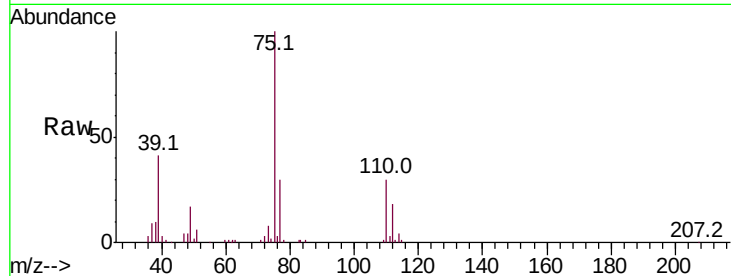




#53
t-1,3-Dichloropropene
Concen: 20.454 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD067633.D
Acq: 16 Nov 2020 11:45

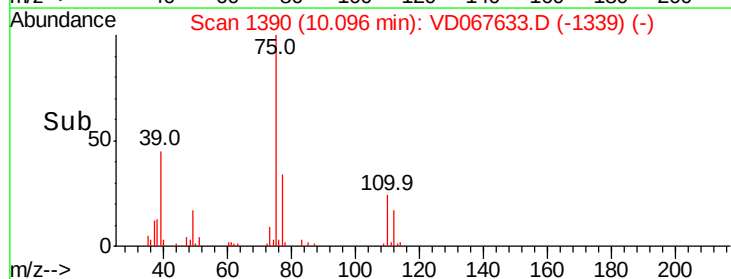
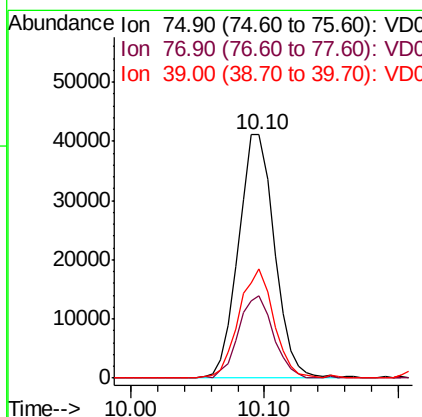
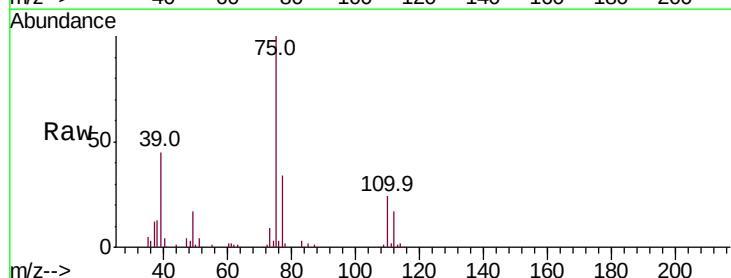
Instrument :
MSVOA_D
ClientSampleId :
VD1116SBSD01

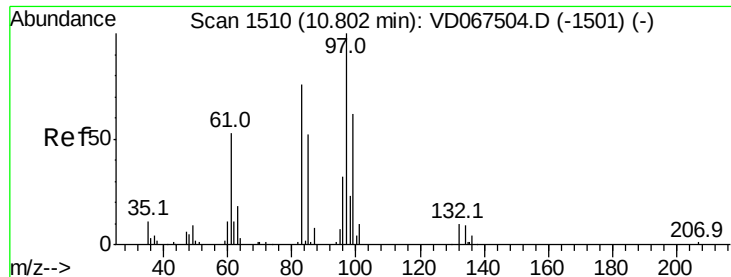
Tot Ion: 75 Resp: 64493
Ion Ratio Lower Upper
75 100
77 29.7 27.0 40.6



#54
cis-1,3-Dichloropropene
Concen: 20.575 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VD067633.D
Acq: 16 Nov 2020 11:45

Tgt Ion: 75 Resp: 77080
Ion Ratio Lower Upper
75 100
77 33.7 24.4 36.6
39 45.1 35.6 53.4





#55

1,1,2-Trichloroethane

Concen: 20.670 ug/l

RT: 10.81 min Scan# 1511

Delta R.T. 0.01 min

Lab File: VD067633.D

Acq: 16 Nov 2020 11:45

Instrument :

MSVOA_D

ClientSampleId :

VD1116SBSD01

Tot Ion: 97 Resp: 37045

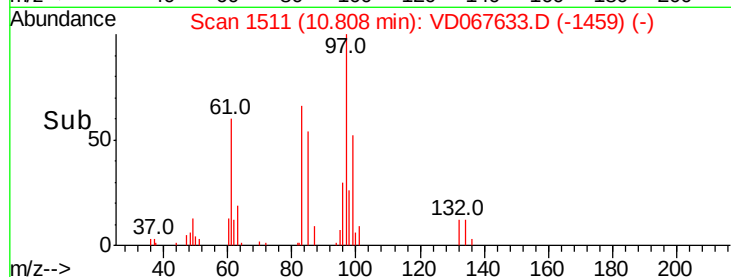
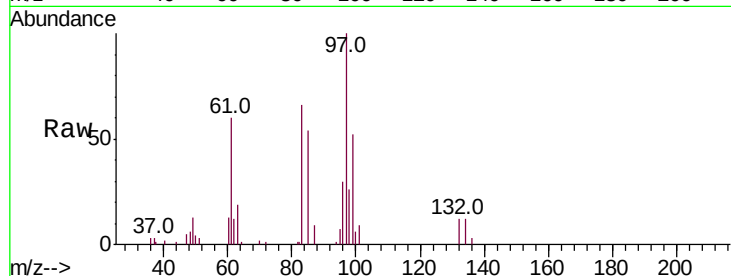
Ion	Ratio	Lower	Upper
97	100		
83	66.0	61.0	91.6
85	53.6	41.5	62.3
99	52.3	49.4	74.2

97 100

83 66.0 61.0 91.6

85 53.6 41.5 62.3

99 52.3 49.4 74.2



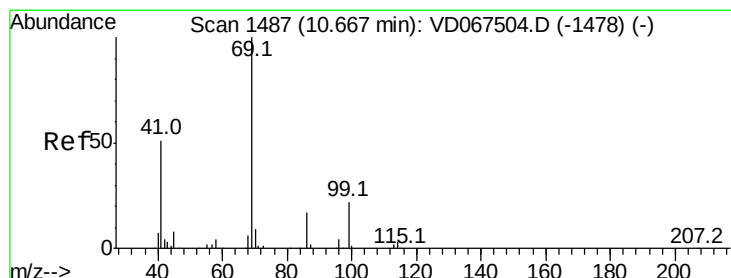
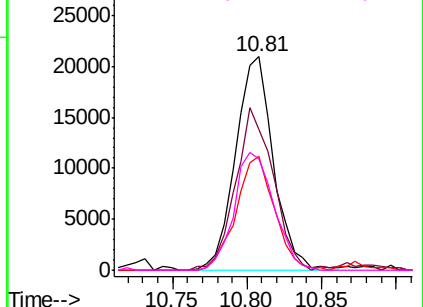
Abundance

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: 18.353 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VD067633.D

Acq: 16 Nov 2020 11:45

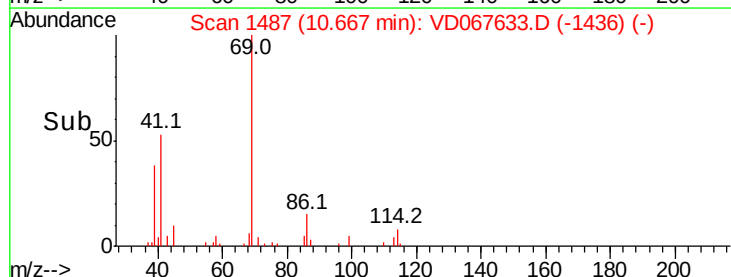
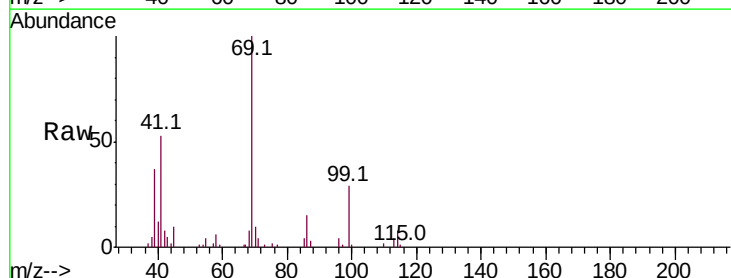
Tgt Ion: 69 Resp: 33967

Ion	Ratio	Lower	Upper
69	100		
41	58.1	45.4	68.0
39	35.8	27.4	41.0

69 100

41 58.1 45.4 68.0

39 35.8 27.4 41.0

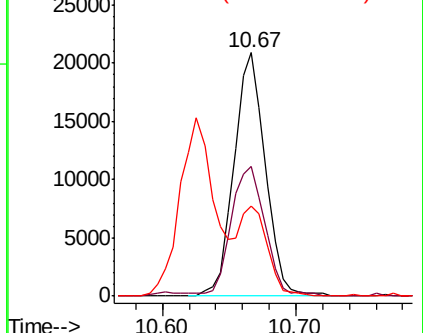


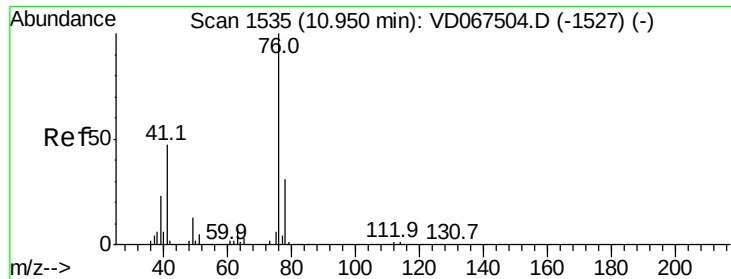
Abundance

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: 19.850 ug/l

RT: 10.96 min Scan# 1536

Delta R.T. 0.01 min

Lab File: VD067633.D

Acq: 16 Nov 2020 11:45

Instrument :

MSVOA_D

ClientSampleId :

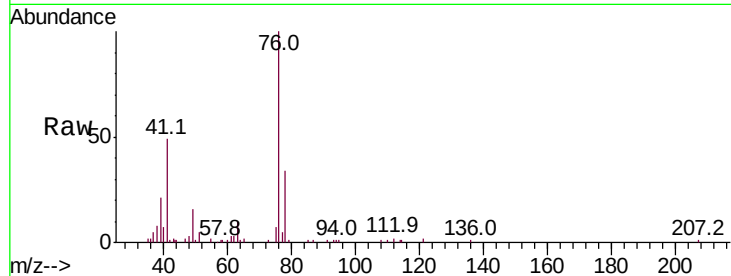
VD1116SBS01

Tot Ion: 76 Resp: 57246

Ion Ratio Lower Upper

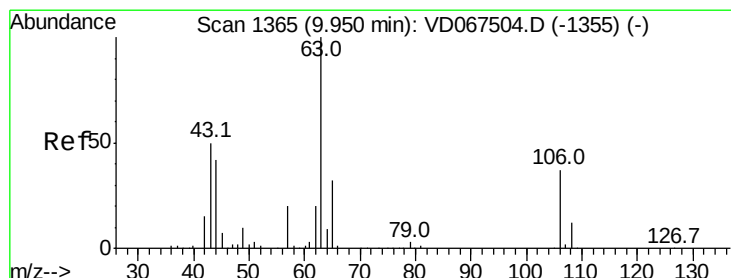
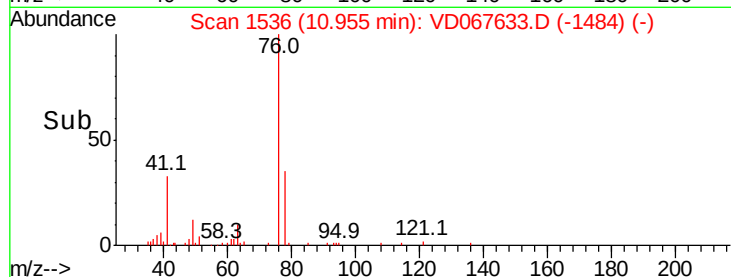
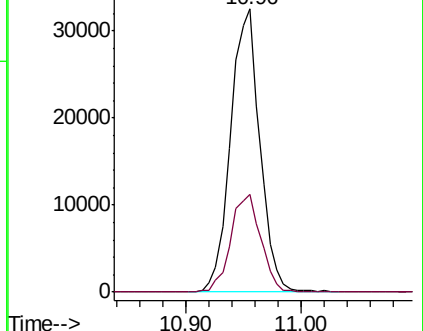
76 100

78 35.2 26.1 39.1



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 103.657 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD067633.D

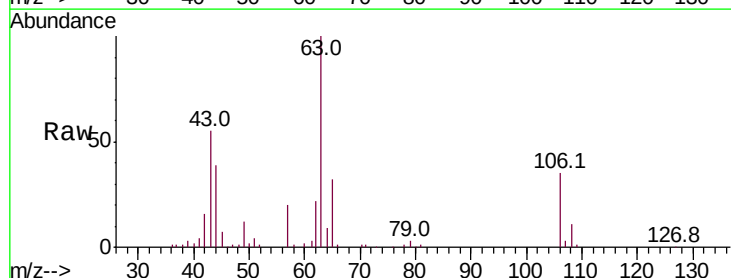
Acq: 16 Nov 2020 11:45

Tgt Ion: 63 Resp: 89462

Ion Ratio Lower Upper

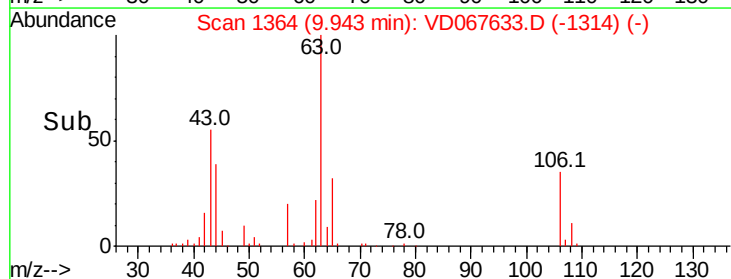
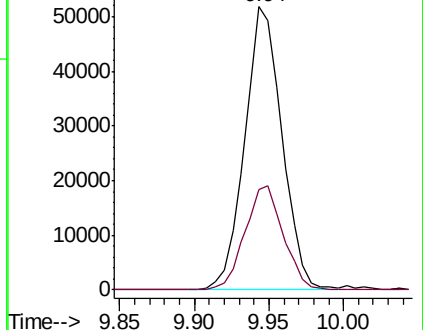
63 100

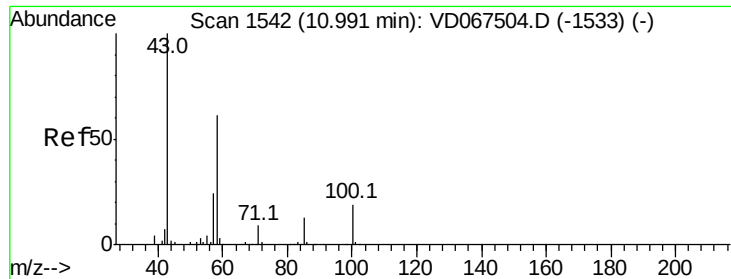
106 37.6 29.2 43.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

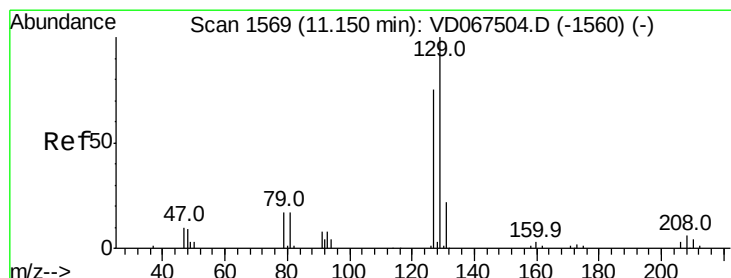
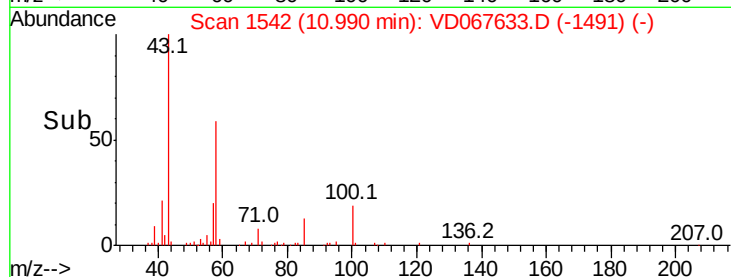
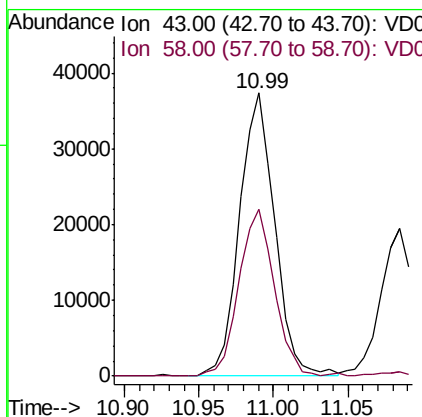
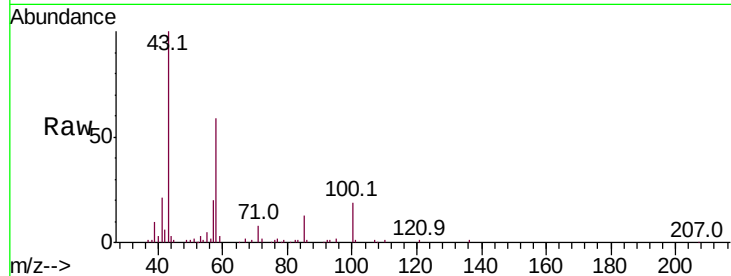




#59
2-Hexanone
Concen: 97.603 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD067633.D
Acq: 16 Nov 2020 11:45

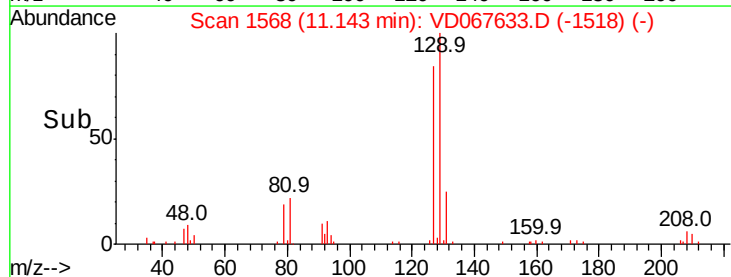
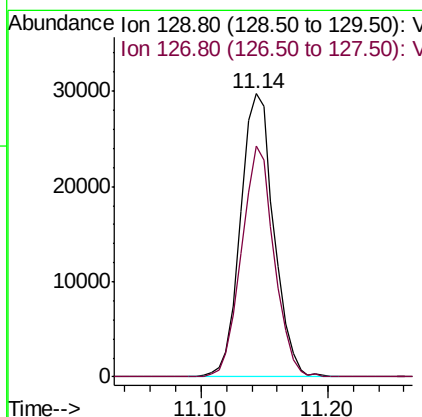
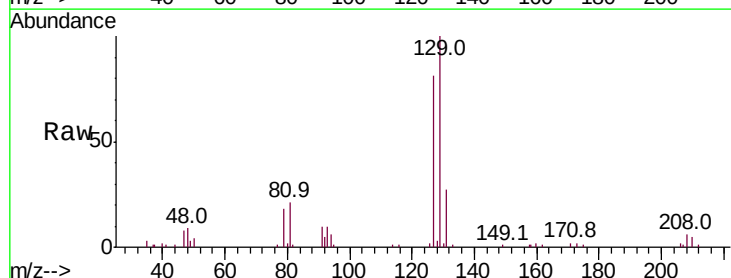
Instrument :
MSVOA_D
ClientSampleId :
VD1116SBSD01

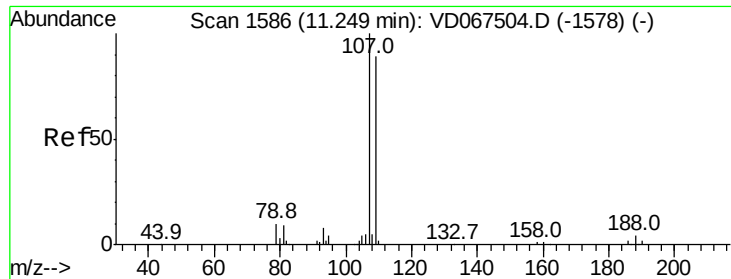
Tot Ion: 43 Resp: 60957
Ion Ratio Lower Upper
43 100
58 59.3 30.3 90.9



#60
Dibromochloromethane
Concen: 20.429 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.01 min
Lab File: VD067633.D
Acq: 16 Nov 2020 11:45

Tgt Ion: 129 Resp: 54161
Ion Ratio Lower Upper
129 100
127 79.7 38.0 114.1

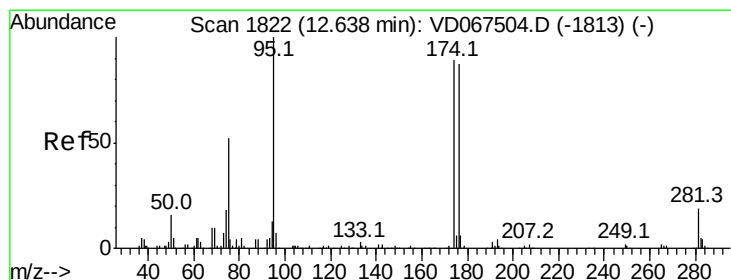
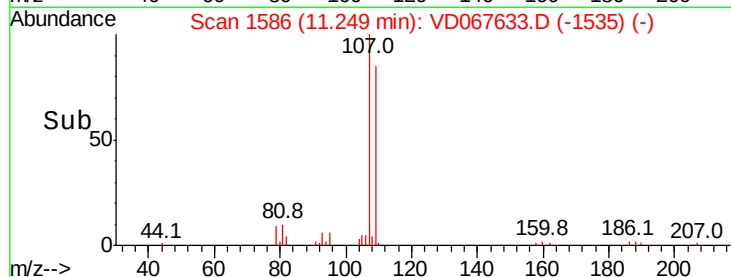
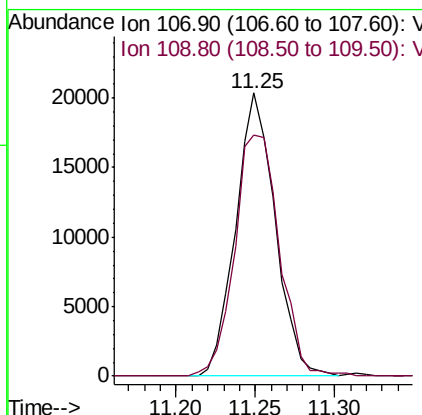
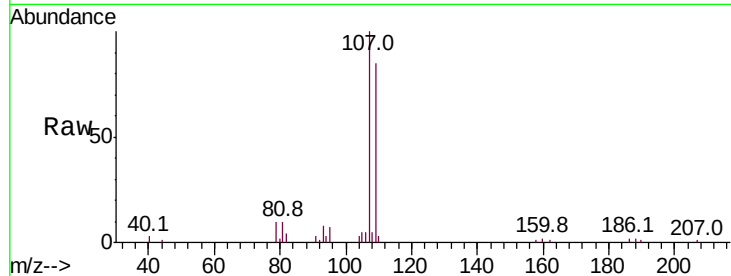




#61
 1,2-Dibromoethane
 Concen: 19.593 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD067633.D
 Acq: 16 Nov 2020 11:45

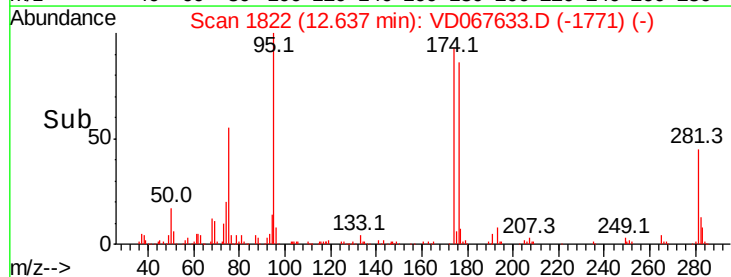
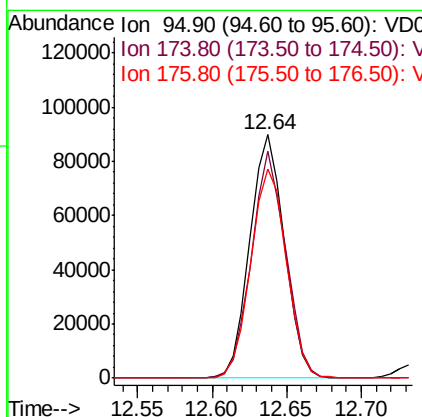
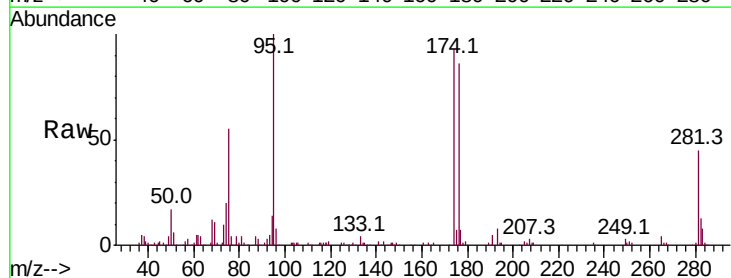
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1116SBSD01

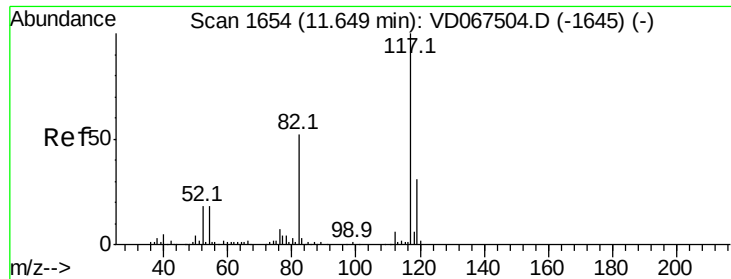
Tot Ion:107 Resp: 35243
 Ion Ratio Lower Upper
 107 100
 109 96.7 74.6 111.8



#62
 4-Bromofluorobenzene
 Concen: 46.223 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD067633.D
 Acq: 16 Nov 2020 11:45

Tgt Ion: 95 Resp: 143586
 Ion Ratio Lower Upper
 95 100
 174 92.1 0.0 177.8
 176 88.2 0.0 172.0

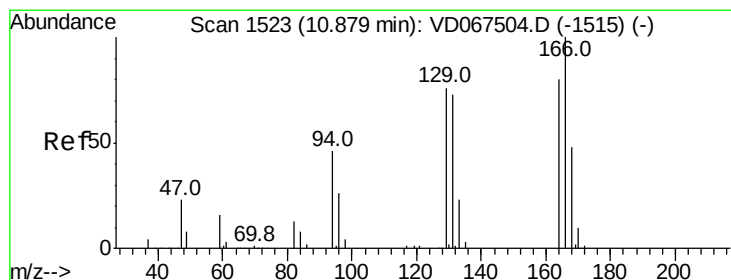
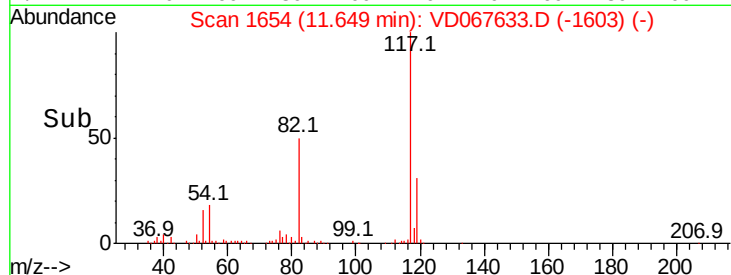
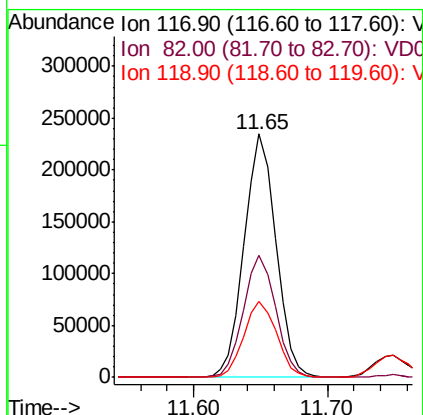
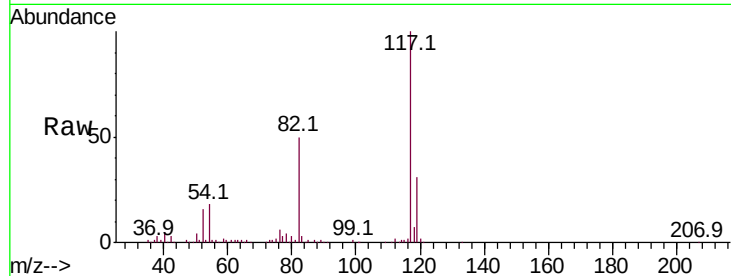




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067633.D
Acq: 16 Nov 2020 11:45

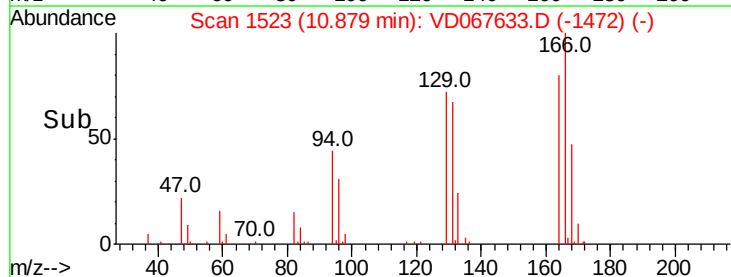
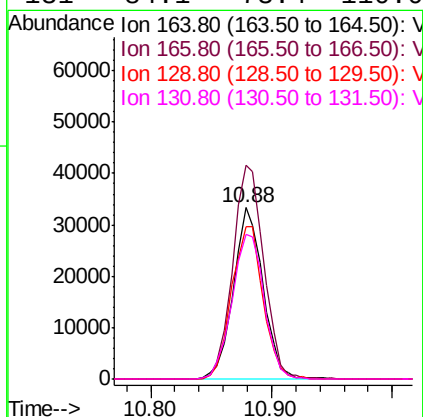
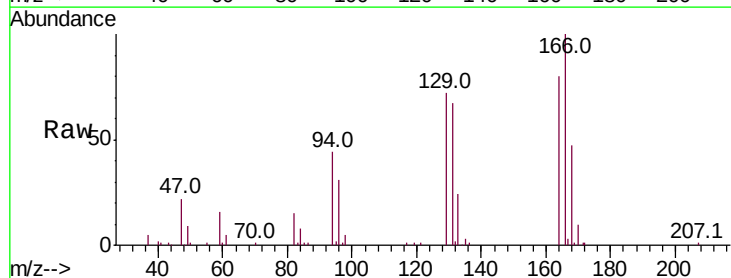
Instrument :
MSVOA_D
ClientSampleId :
VD1116SBS01

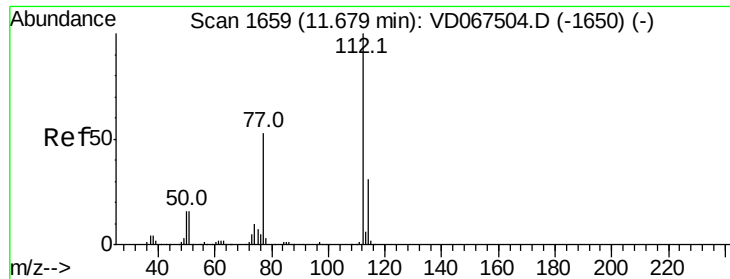
Tot Ion:117 Resp: 386019
Ion Ratio Lower Upper
117 100
82 50.2 41.6 62.4
119 31.1 25.1 37.7



#64
Tetrachloroethene
Concen: 19.897 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD067633.D
Acq: 16 Nov 2020 11:45

Tgt Ion:164 Resp: 56883
Ion Ratio Lower Upper
164 100
166 124.7 99.9 149.9
129 89.2 75.5 113.3
131 84.1 73.4 110.0

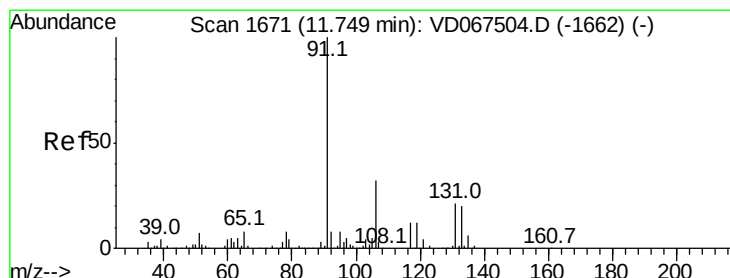
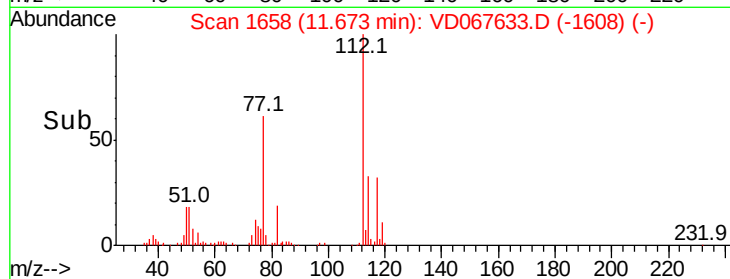
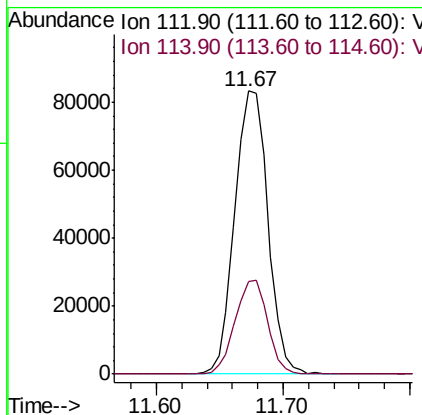
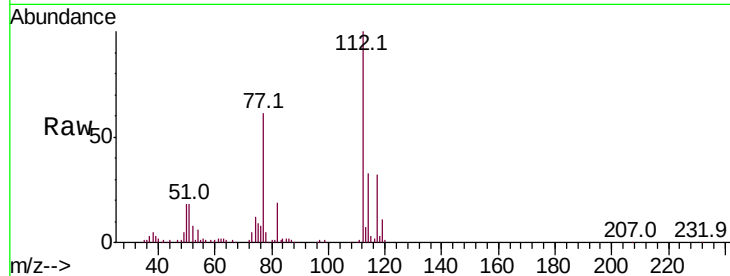




#65
Chlorobenzene
Concen: 20.303 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD067633.D
Acq: 16 Nov 2020 11:45

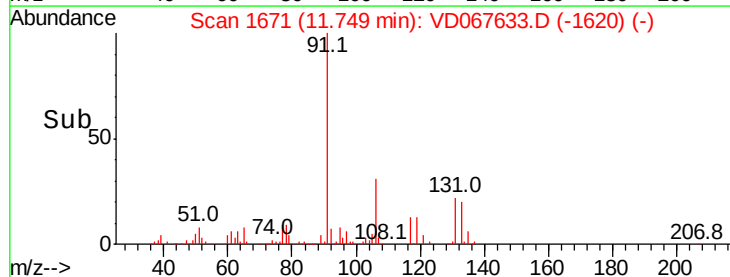
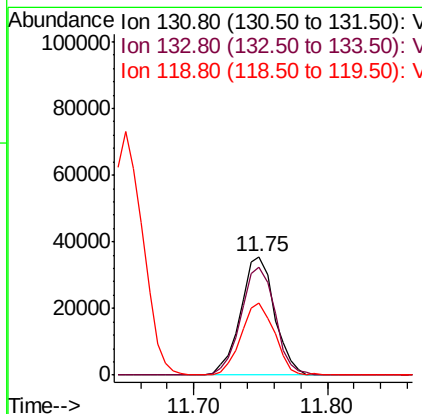
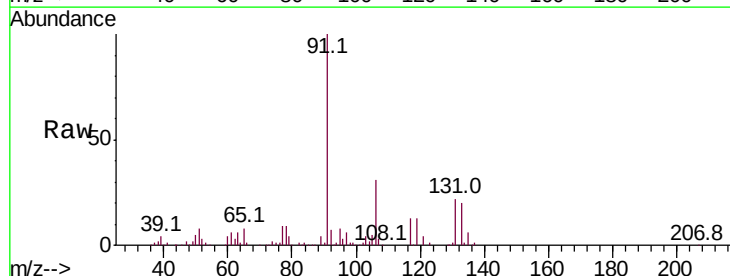
Instrument :
MSVOA_D
ClientSampleId :
VD1116SBSD01

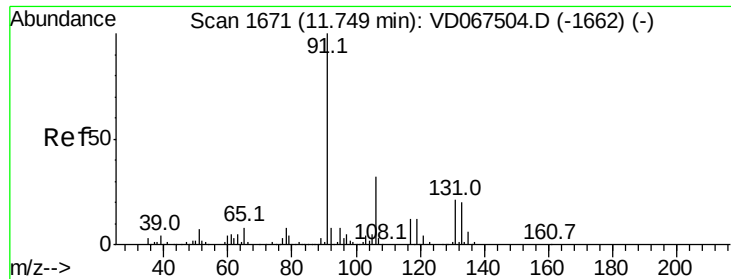
Tot Ion:112 Resp: 150966
Ion Ratio Lower Upper
112 100
114 32.6 24.9 37.3



#66
1,1,1,2-Tetrachloroethane
Concen: 21.256 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD067633.D
Acq: 16 Nov 2020 11:45

Tgt Ion:131 Resp: 62294
Ion Ratio Lower Upper
131 100
133 91.7 48.0 144.0
119 59.9 30.1 90.5





#67

Ethyl Benzene

Concen: 20.596 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD067633.D

Acq: 16 Nov 2020 11:45

Instrument :

MSVOA_D

ClientSampleId :

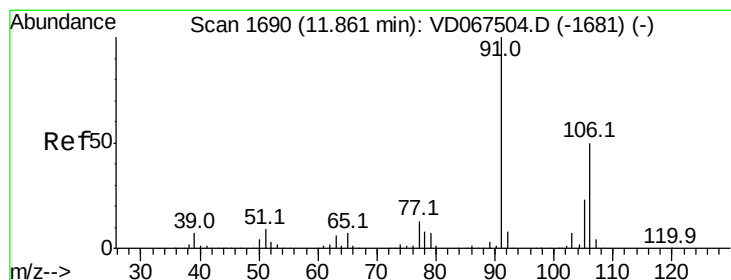
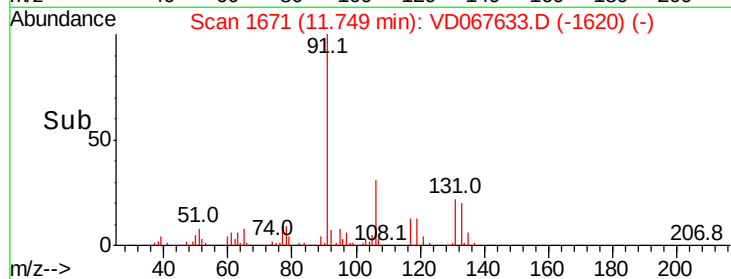
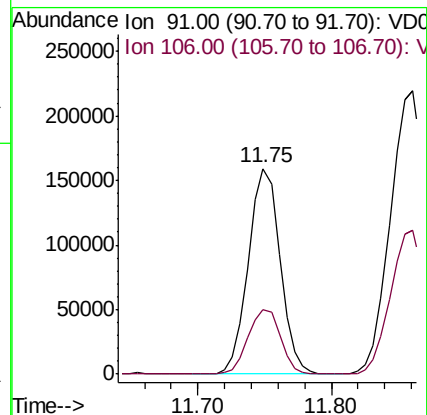
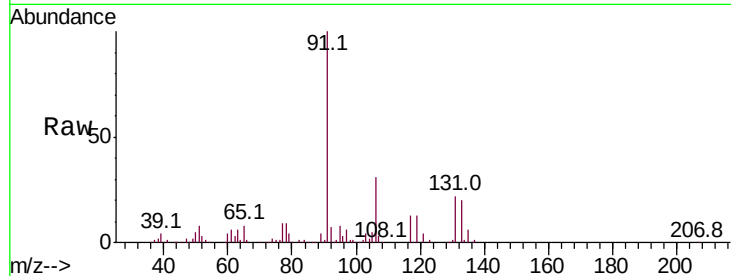
VD1116SBSD01

Tot Ion: 91 Resp: 262064

Ion Ratio Lower Upper

91 100

106 31.3 25.7 38.5



#68

m/p-Xylenes

Concen: 42.644 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VD067633.D

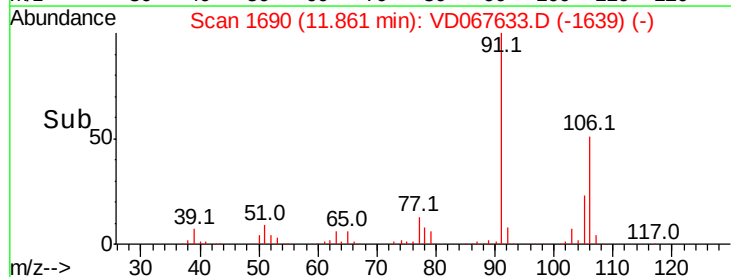
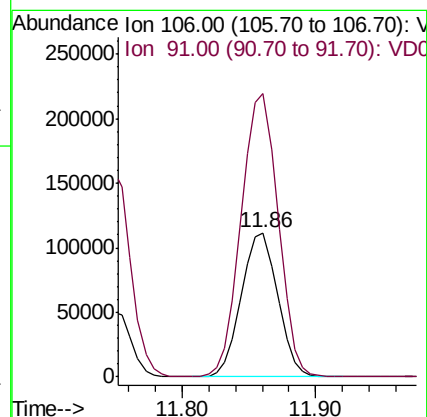
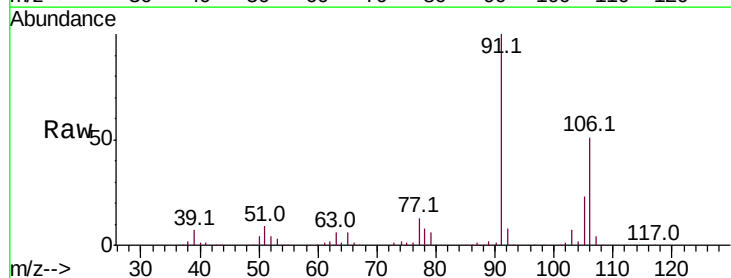
Acq: 16 Nov 2020 11:45

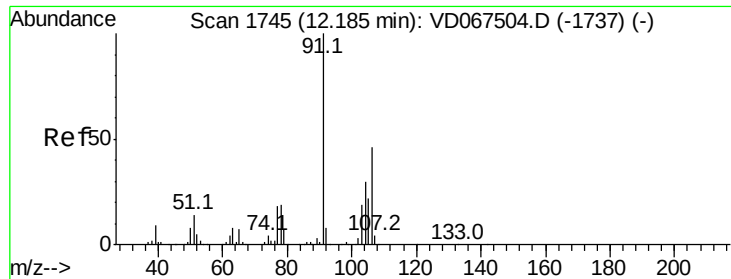
Tgt Ion: 106 Resp: 211097

Ion Ratio Lower Upper

106 100

91 199.6 162.6 244.0

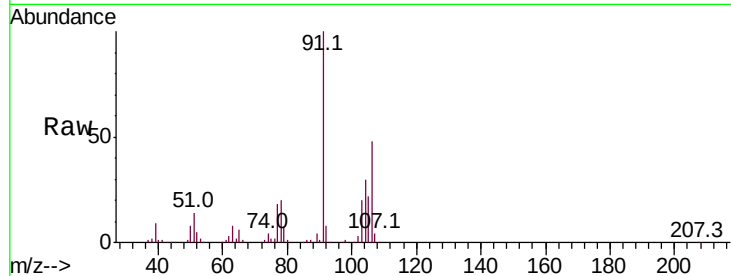




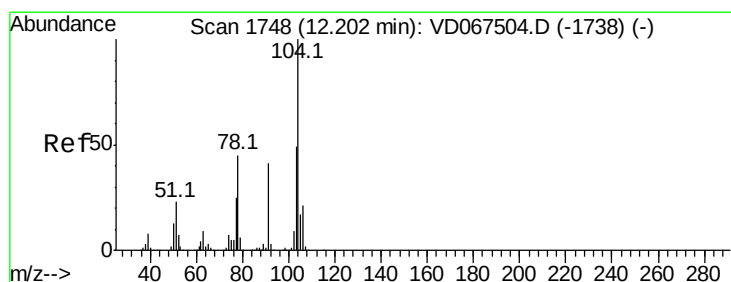
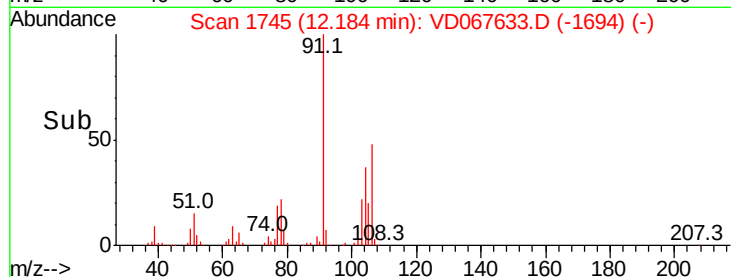
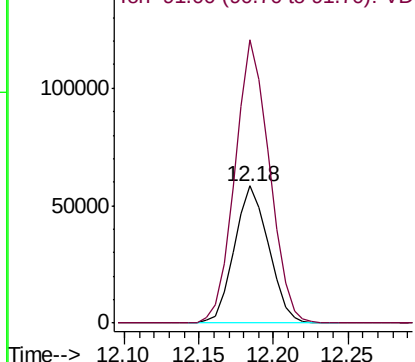
#69
o-Xylene
Concen: 21.216 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD067633.D
Acq: 16 Nov 2020 11:45

Instrument :
MSVOA_D
ClientSampleId :
VD1116SBSD01

Tot Ion:106 Resp: 93768
Ion Ratio Lower Upper
106 100
91 206.9 107.1 321.1

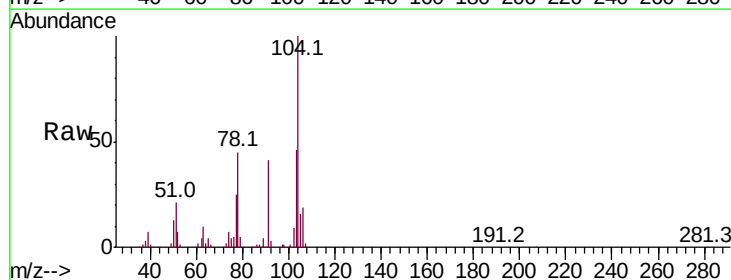


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

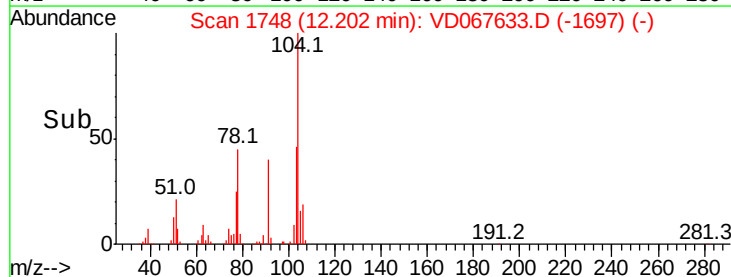
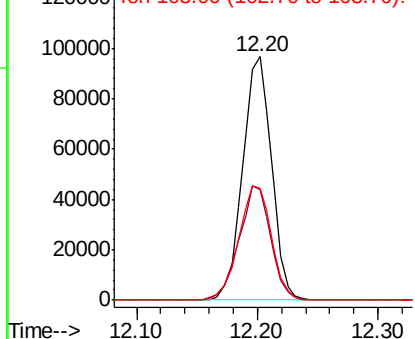


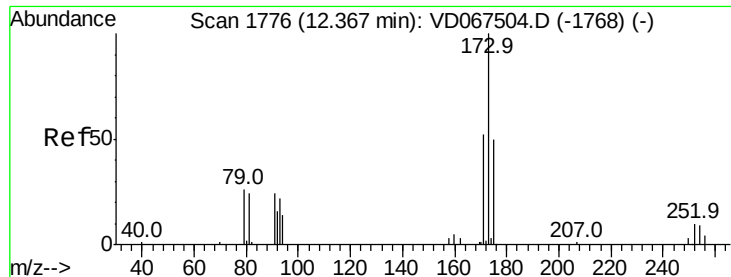
#70
Styrene
Concen: 21.036 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD067633.D
Acq: 16 Nov 2020 11:45

Tgt Ion:104 Resp: 162009
Ion Ratio Lower Upper
104 100
78 50.9 39.8 59.8
103 52.5 43.9 65.9



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 21.369 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD067633.D

Acq: 16 Nov 2020 11:45

Instrument :

MSVOA_D

ClientSampleId :

VD1116SBSD01

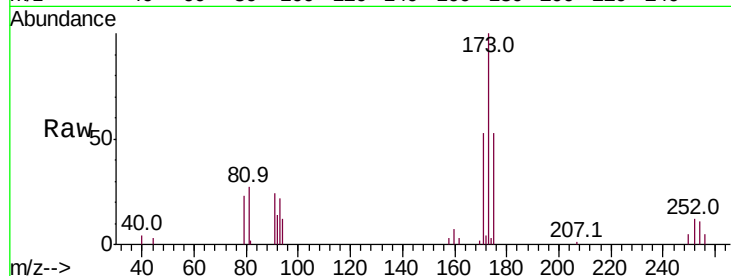
Tot Ion:173 Resp: 31940

Ion Ratio Lower Upper

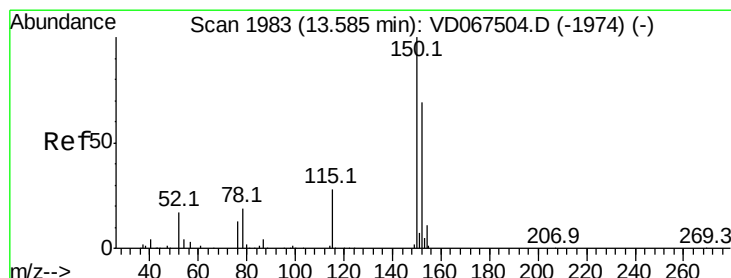
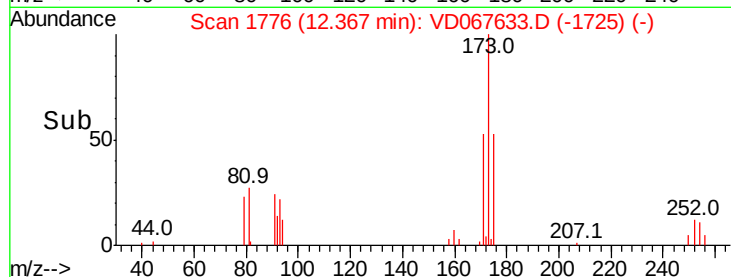
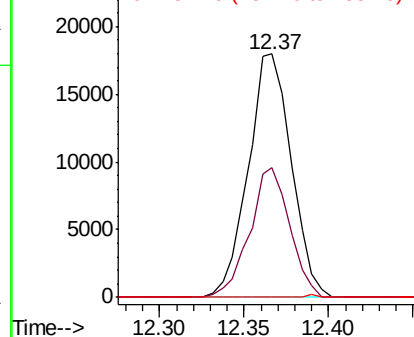
173 100

175 49.2 24.1 72.2

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

Lab File: VD067633.D

Acq: 16 Nov 2020 11:45

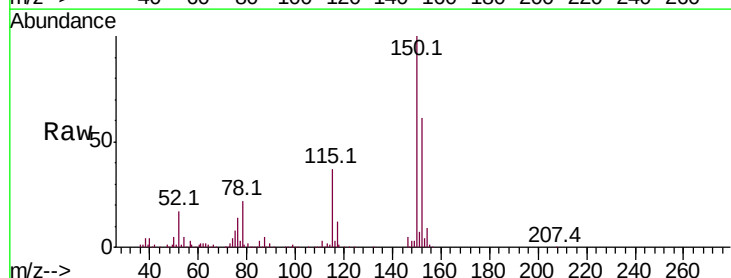
Tgt Ion:152 Resp: 195737

Ion Ratio Lower Upper

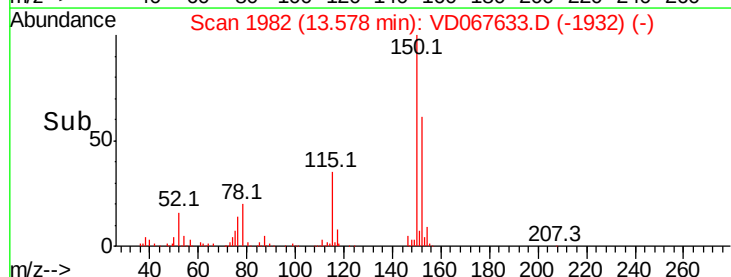
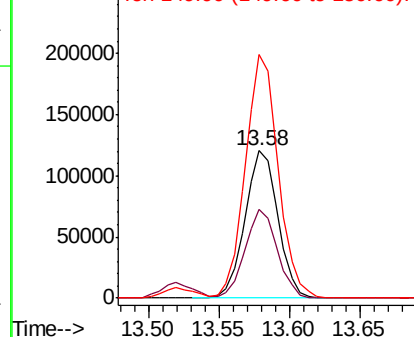
152 100

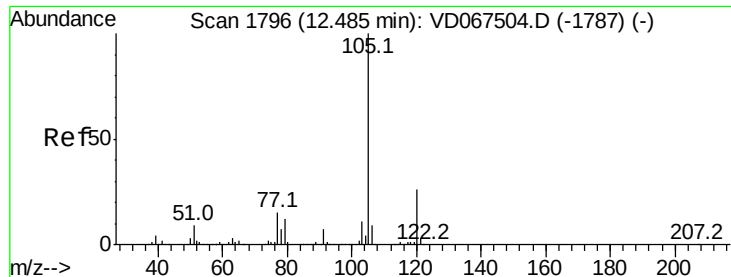
115 59.1 29.3 88.0

150 165.7 0.0 338.2



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: 20.930 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD067633.D

Acq: 16 Nov 2020 11:45

Instrument :

MSVOA_D

ClientSampleId :

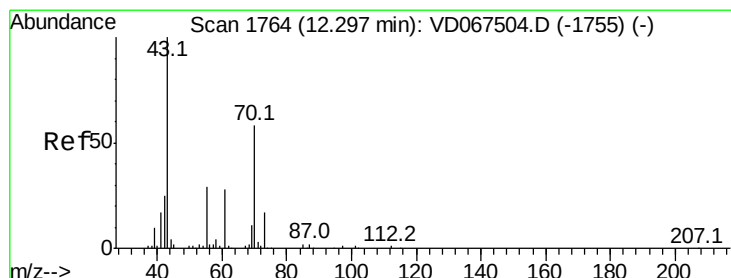
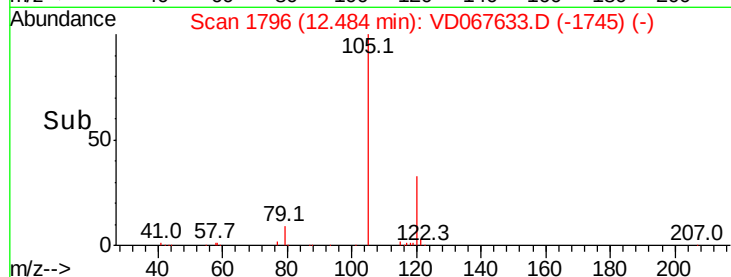
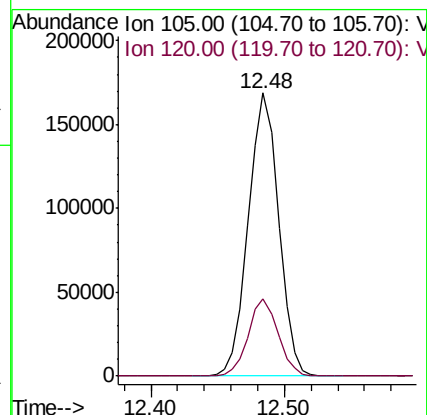
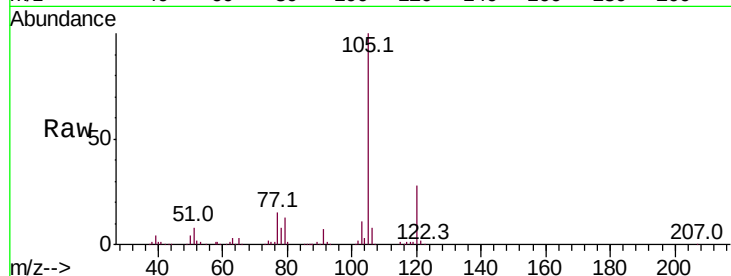
VD1116SBS01

Tot Ion:105 Resp: 264764

Ion Ratio Lower Upper

105 100

120 26.8 13.2 39.6



#74

N-ethyl acetate

Concen: 18.879 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD067633.D

Acq: 16 Nov 2020 11:45

Tgt Ion: 43 Resp: 31425

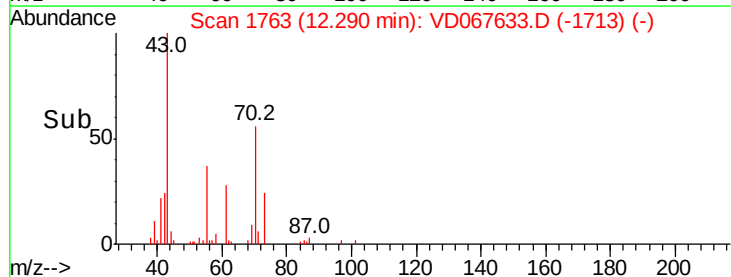
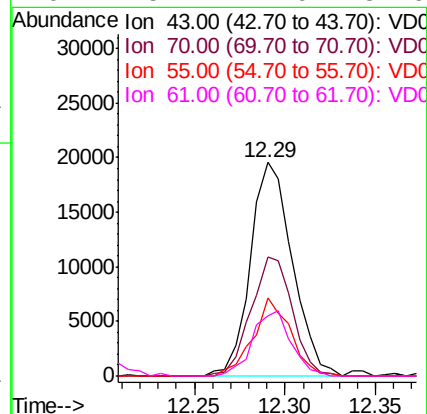
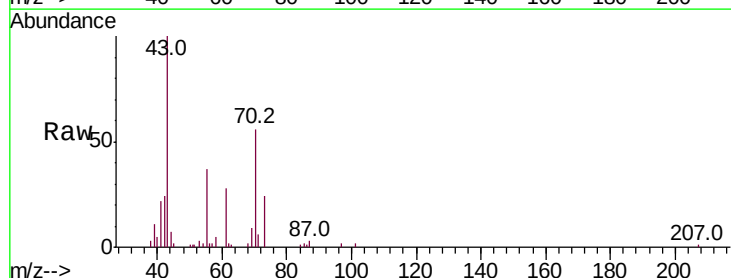
Ion Ratio Lower Upper

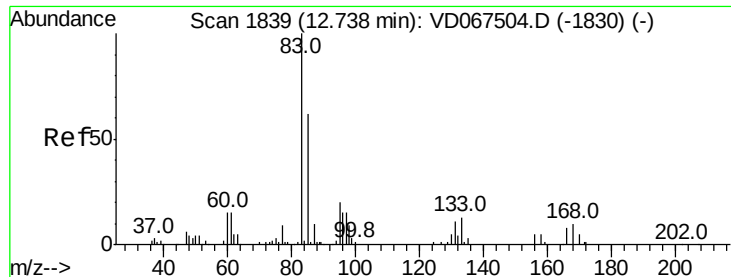
43 100

70 54.9 42.6 64.0

55 32.7 23.7 35.5

61 28.1 21.9 32.9





#75

1,1,2,2-Tetrachloroethane

Concen: 20.219 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD067633.D

Acq: 16 Nov 2020 11:45

Instrument :

MSVOA_D

ClientSampleId :

VD1116SBSD01

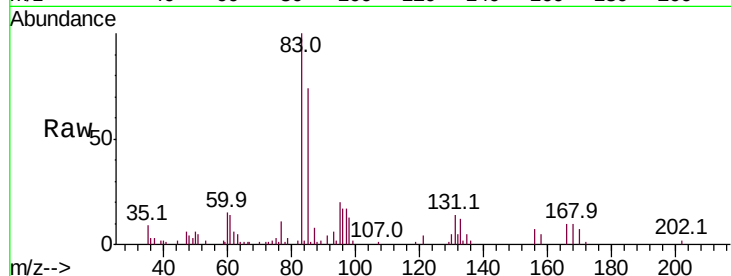
Tot Ion: 83 Resp: 34877

Ion Ratio Lower Upper

83 100

131 14.1 7.1 21.3

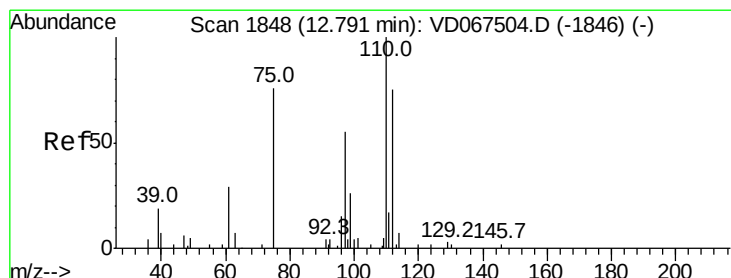
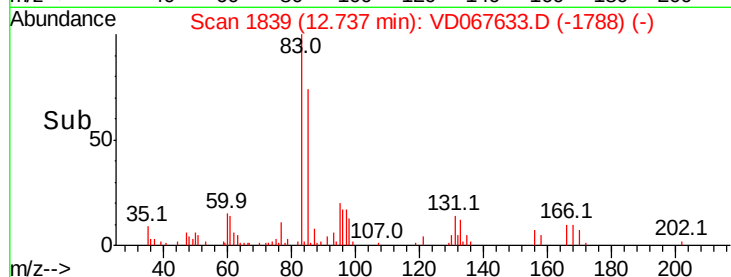
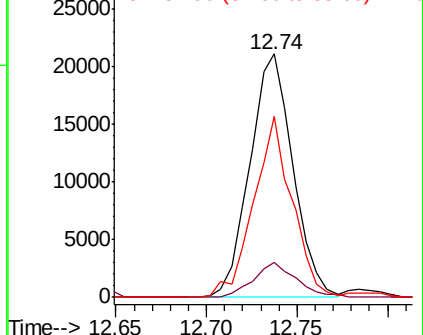
85 66.4 32.9 98.7



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: 42.254 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD067633.D

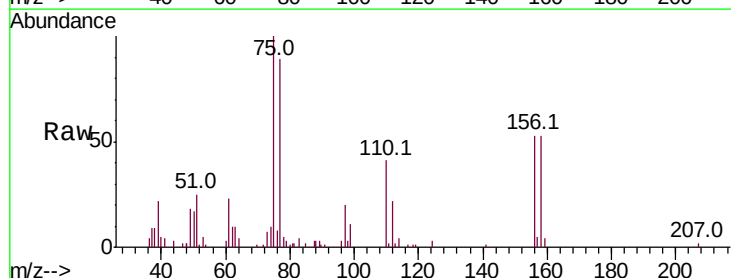
Acq: 16 Nov 2020 11:45

Tgt Ion: 75 Resp: 49893

Ion Ratio Lower Upper

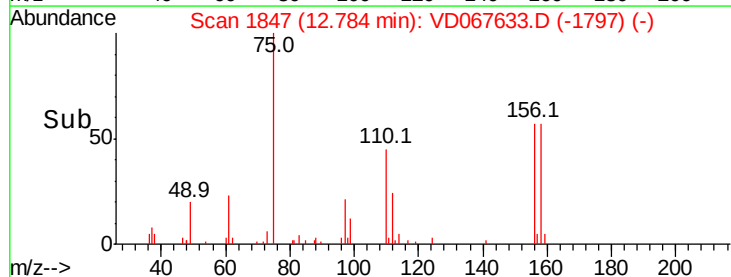
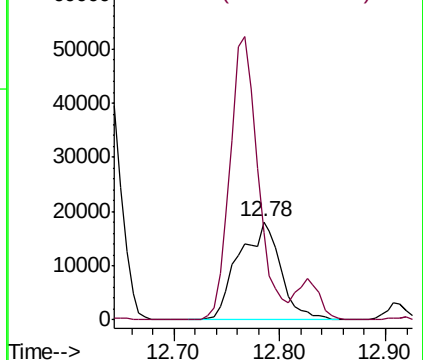
75 100

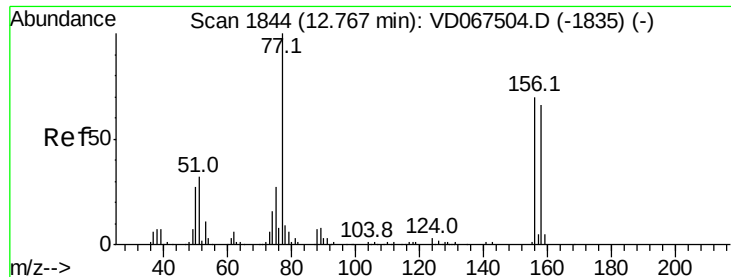
77 194.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 20.574 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD067633.D

Acq: 16 Nov 2020 11:45

Instrument :

MSVOA_D

ClientSampleId :

VD1116SBSD01

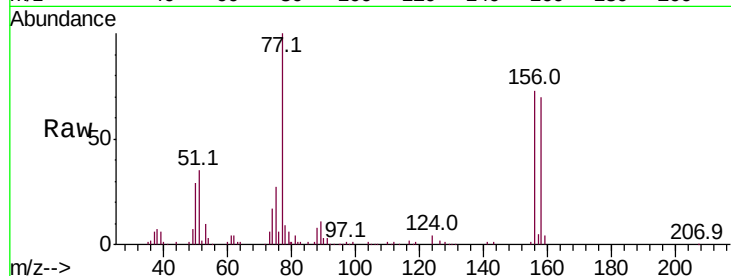
Tot Ion:156 Resp: 63919

Ion Ratio Lower Upper

156 100

77 151.4 77.8 233.5

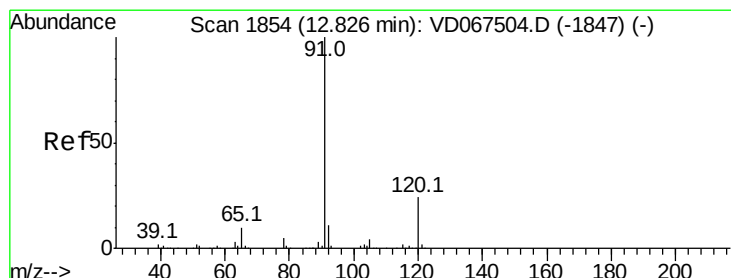
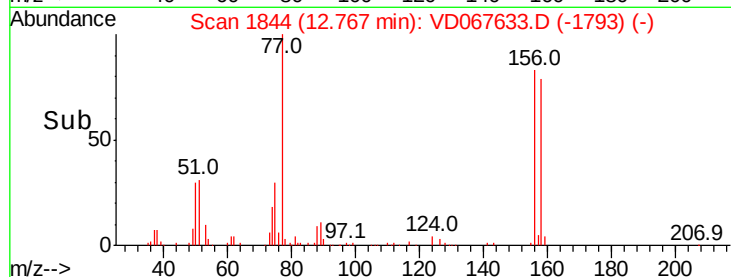
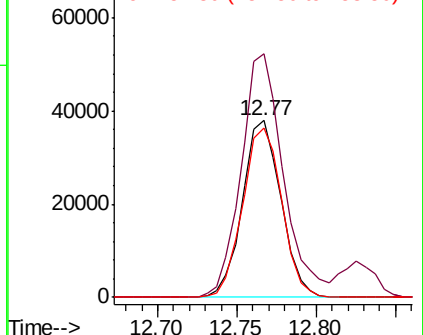
158 97.9 47.9 143.7



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: 20.726 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD067633.D

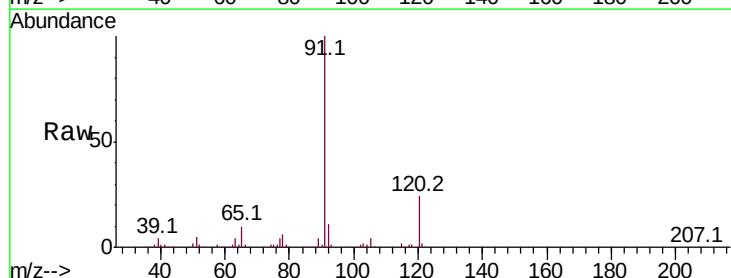
Acq: 16 Nov 2020 11:45

Tgt Ion: 91 Resp: 299898

Ion Ratio Lower Upper

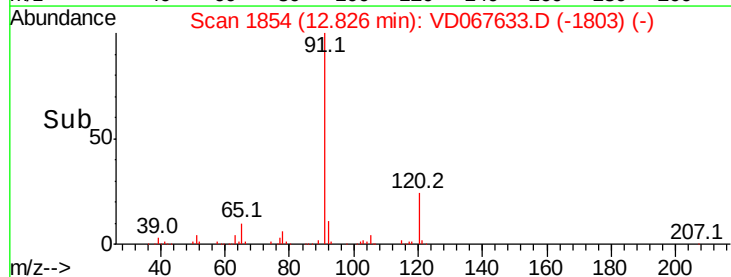
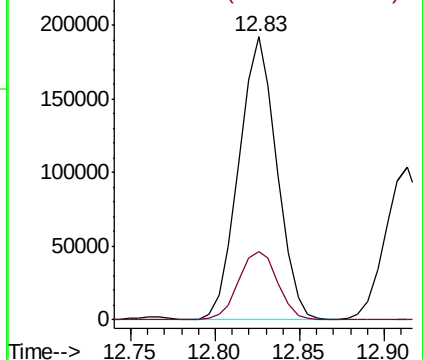
91 100

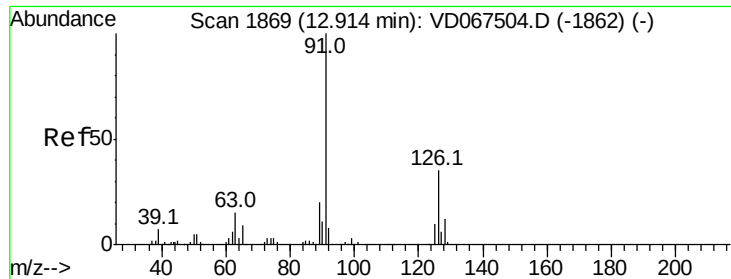
120 25.0 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

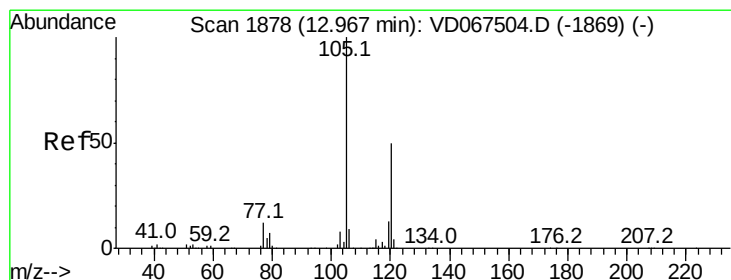
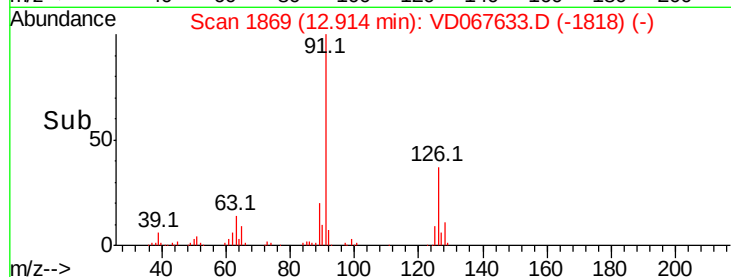
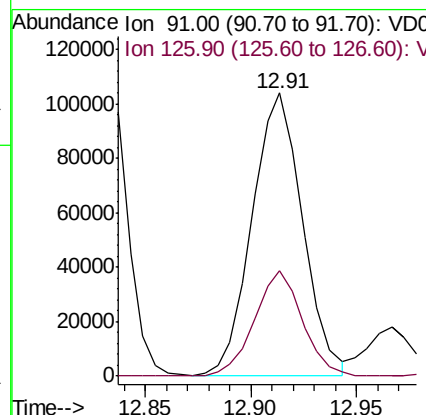
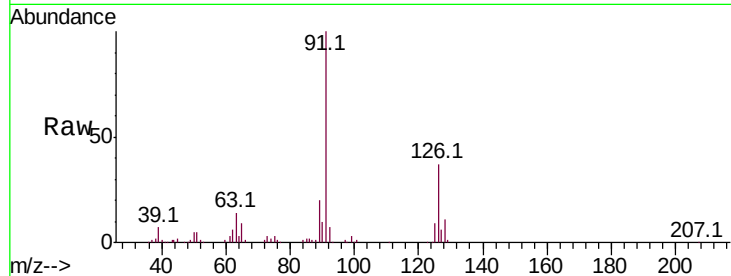




#79
 2-Chlorotoluene
 Concen: 21.030 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VD067633.D
 Acq: 16 Nov 2020 11:45

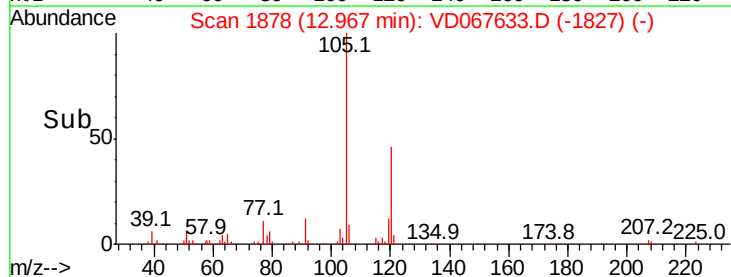
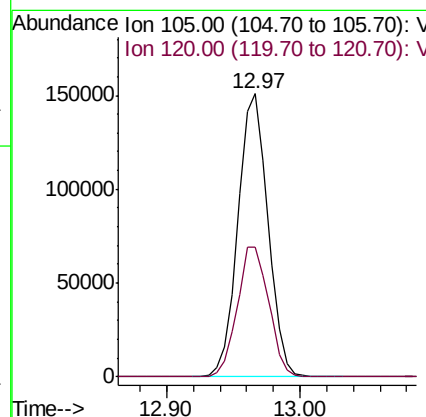
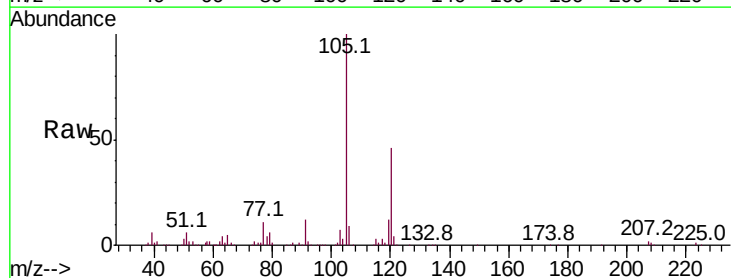
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1116SBS01

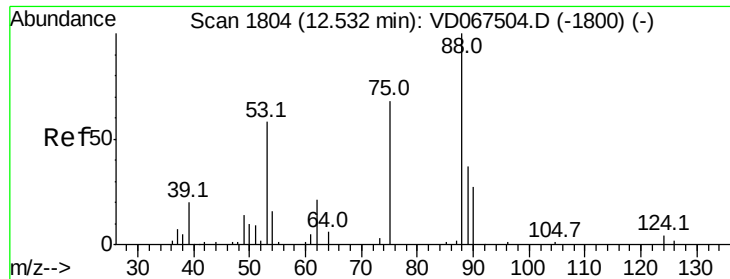
Tot Ion: 91 Resp: 172855
 Ion Ratio Lower Upper
 91 100
 126 35.3 17.8 53.4



#80
 1,3,5-Trimethylbenzene
 Concen: 21.777 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VD067633.D
 Acq: 16 Nov 2020 11:45

Tgt Ion:105 Resp: 235326
 Ion Ratio Lower Upper
 105 100
 120 48.3 24.3 72.8

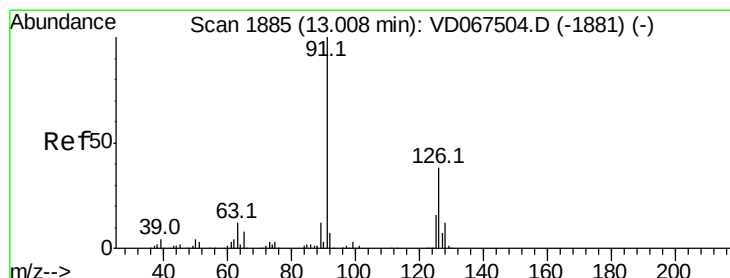
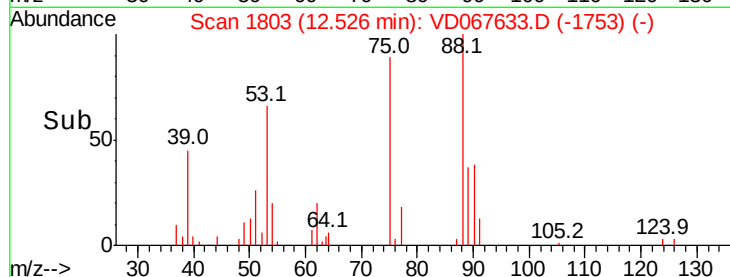
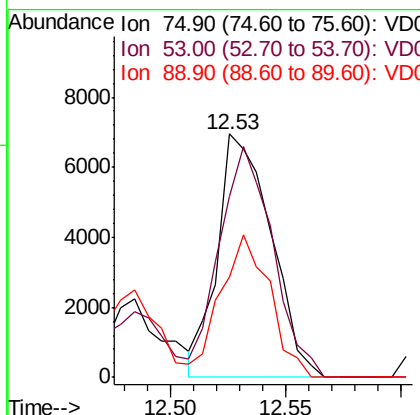
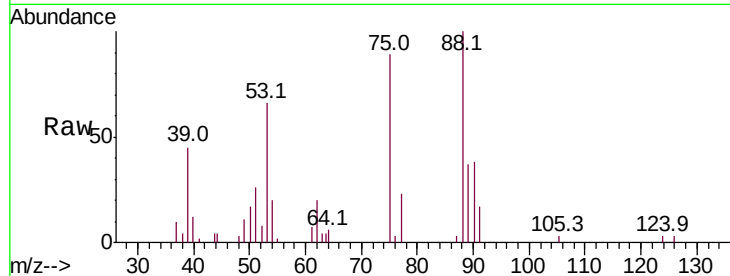




#81
trans-1,4-Dichloro-2-butene
Concen: 19.292 ug/l
RT: 12.53 min Scan# 1803
Delta R.T. -0.01 min
Lab File: VD067633.D
Acq: 16 Nov 2020 11:45

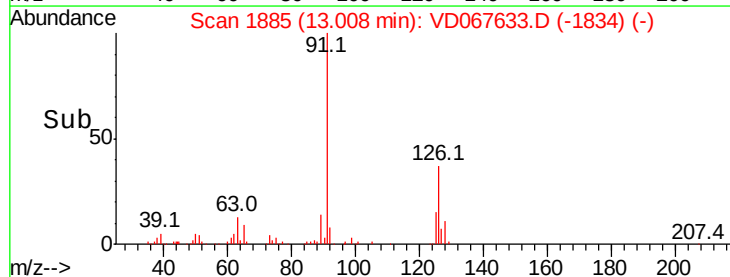
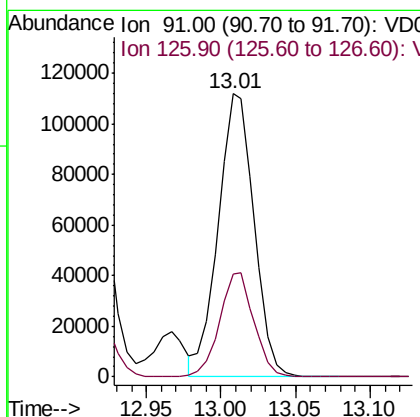
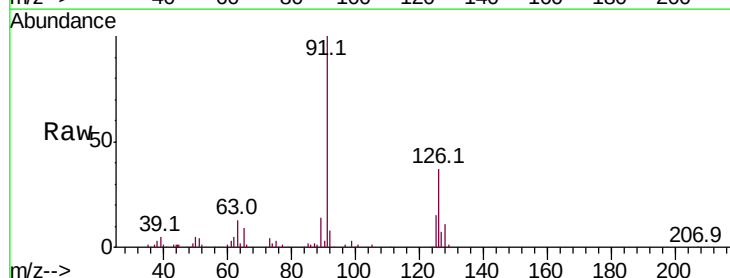
Instrument :
MSVOA_D
ClientSampleId :
VD1116SBSD01

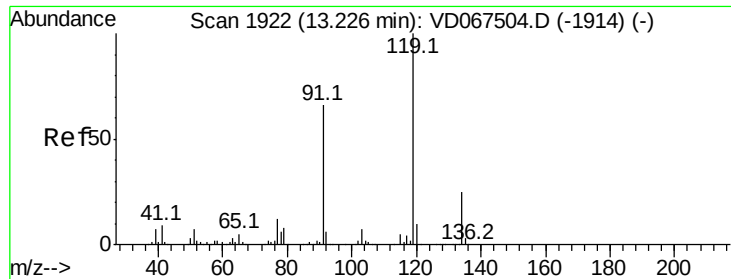
Tot Ion: 75 Resp: 11220
Ion Ratio Lower Upper
75 100
53 94.6 75.9 113.9
89 53.6 44.6 67.0



#82
4-Chlorotoluene
Concen: 21.341 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VD067633.D
Acq: 16 Nov 2020 11:45

Tgt Ion: 91 Resp: 188126
Ion Ratio Lower Upper
91 100
126 35.3 17.9 53.7

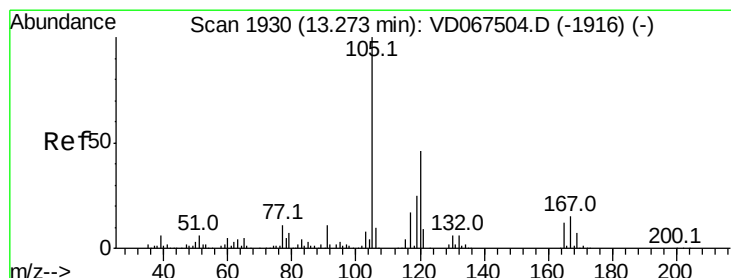
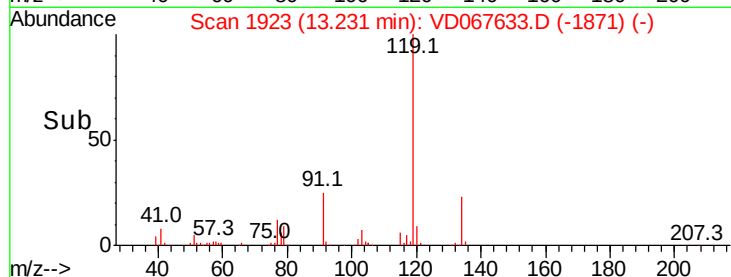
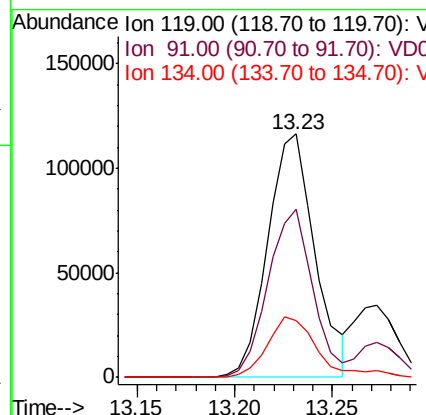
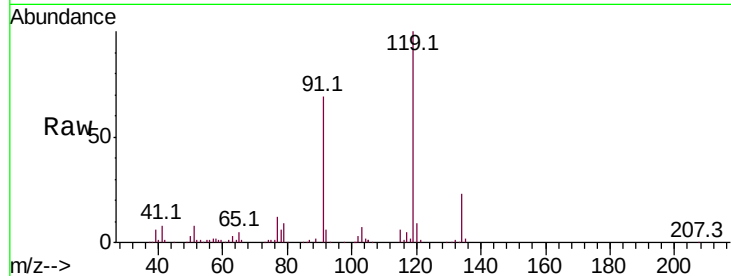




#83
tert-Butylbenzene
Concen: 21.298 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.01 min
Lab File: VD067633.D
Acq: 16 Nov 2020 11:45

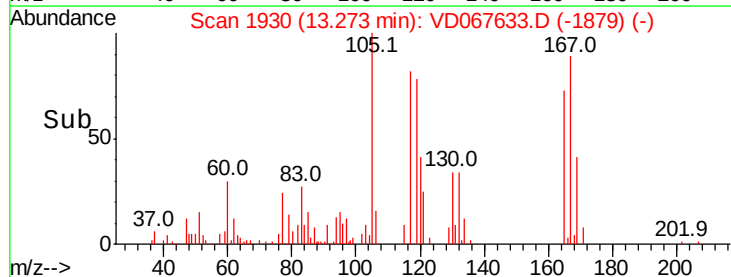
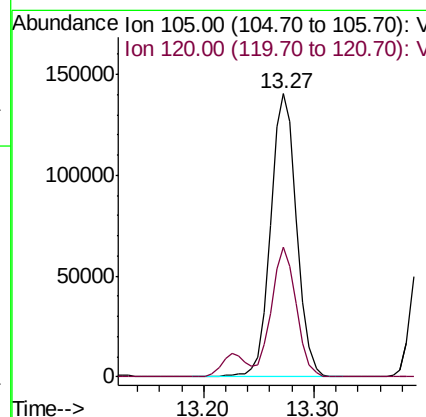
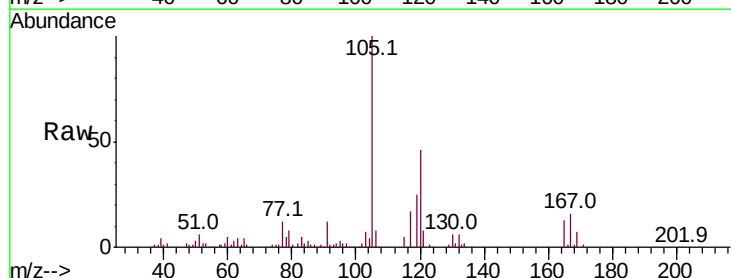
Instrument :
MSVOA_D
ClientSampleId :
VD1116SBS01

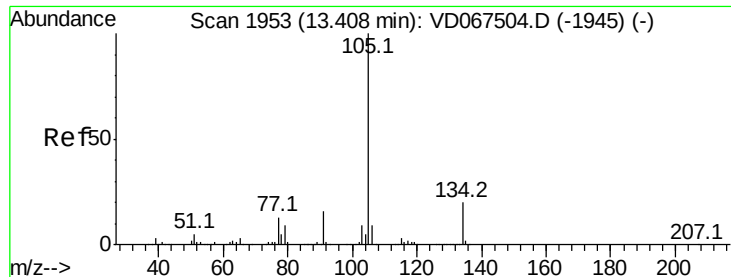
Tot Ion:119 Resp: 195059
Ion Ratio Lower Upper
119 100
91 65.3 32.7 98.1
134 26.7 13.4 40.2



#84
1,2,4-Trimethylbenzene
Concen: 21.422 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD067633.D
Acq: 16 Nov 2020 11:45

Tgt Ion:105 Resp: 230432
Ion Ratio Lower Upper
105 100
120 44.1 22.1 66.1





#85

sec-Butylbenzene

Concen: 21.360 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD067633.D

Acq: 16 Nov 2020 11:45

Instrument :

MSVOA_D

ClientSampleId :

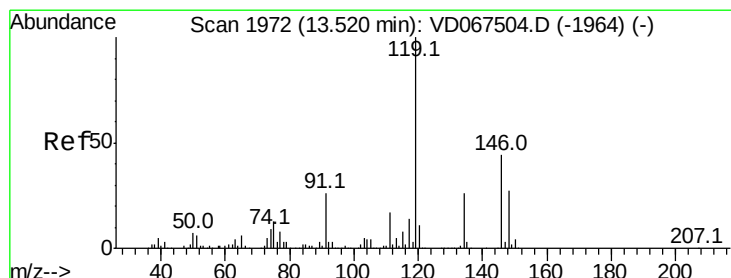
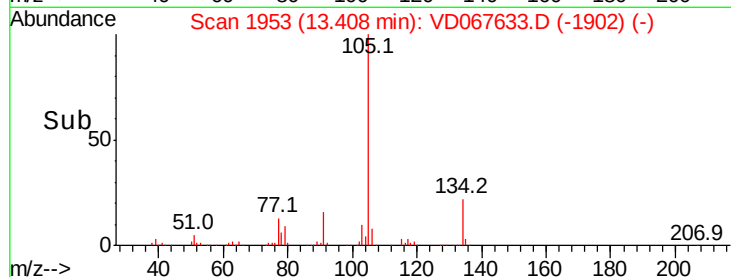
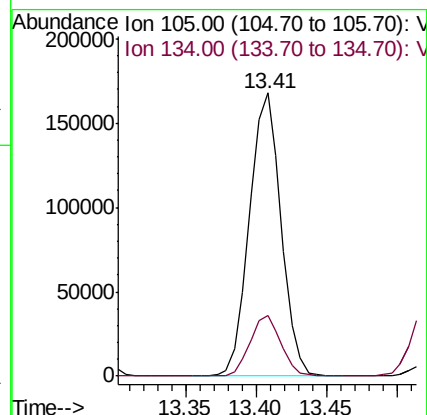
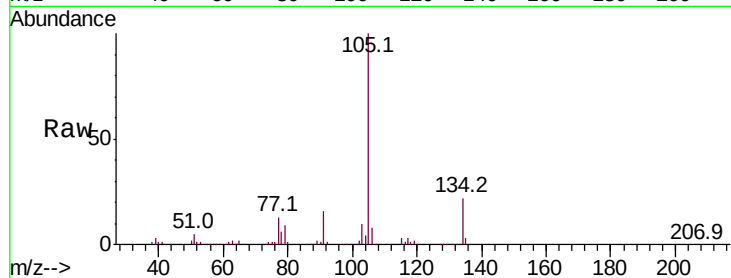
VD1116SBS01

Tot Ion:105 Resp: 264081

Ion Ratio Lower Upper

105 100

134 21.1 10.4 31.4



#86

p-Isopropyltoluene

Concen: 20.950 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD067633.D

Acq: 16 Nov 2020 11:45

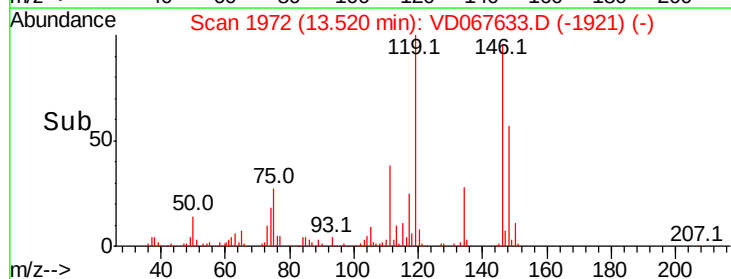
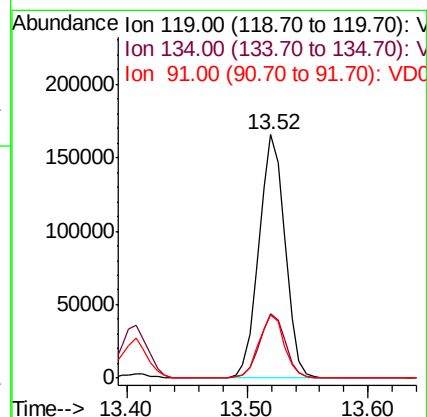
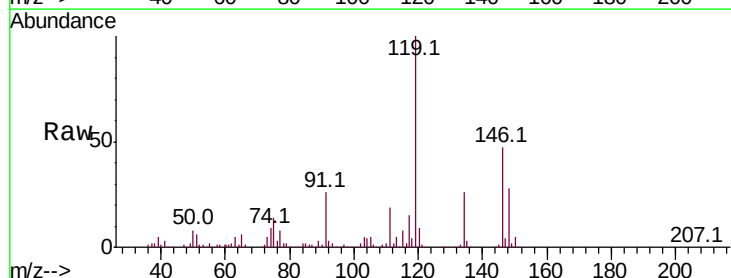
Tgt Ion:119 Resp: 250118

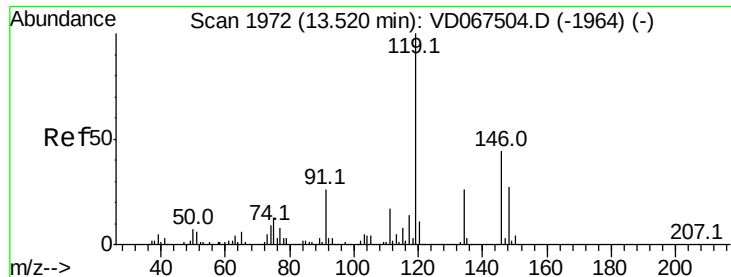
Ion Ratio Lower Upper

119 100

134 26.3 13.1 39.3

91 25.7 12.2 36.4

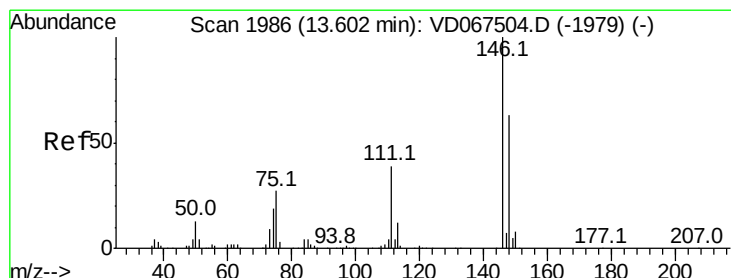
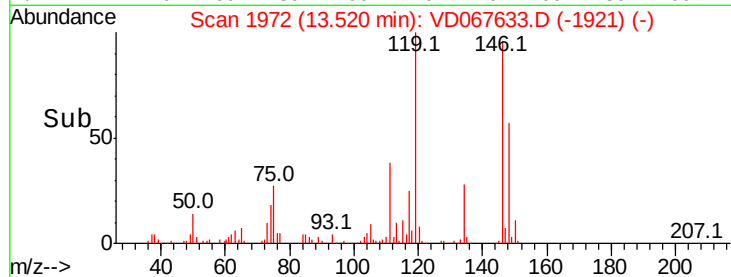
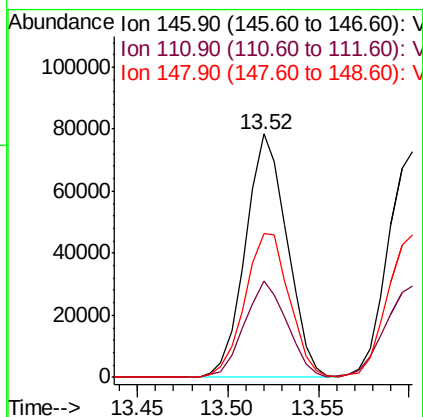
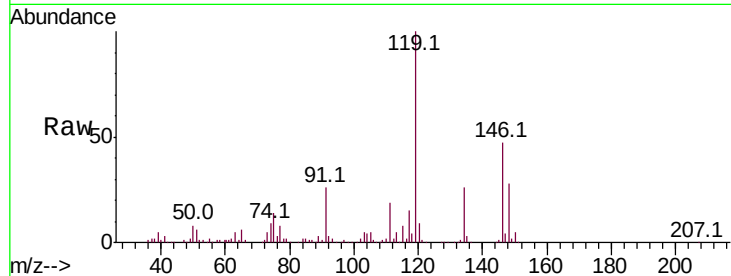




#87
 1,3-Dichlorobenzene
 Concen: 21.178 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD067633.D
 Acq: 16 Nov 2020 11:45

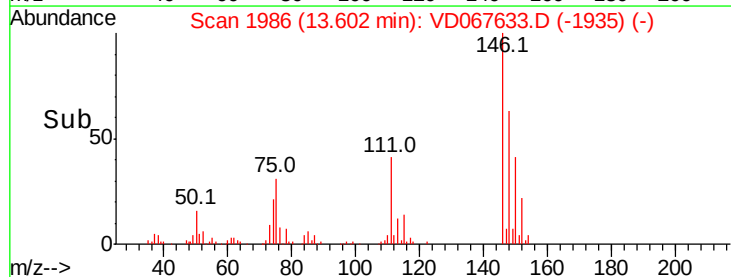
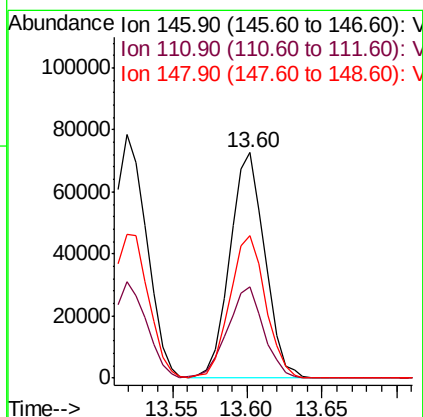
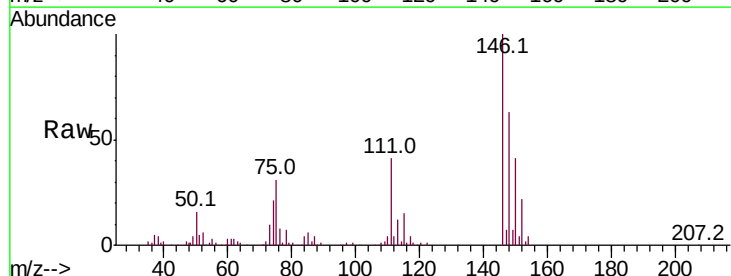
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1116SBSD01

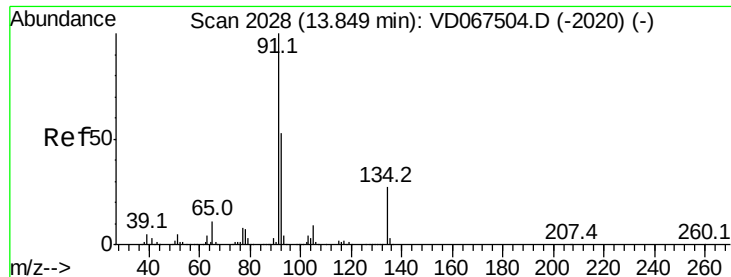
Tot Ion:146 Resp: 125542
 Ion Ratio Lower Upper
 146 100
 111 40.3 20.3 60.8
 148 62.9 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 19.762 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD067633.D
 Acq: 16 Nov 2020 11:45

Tgt Ion:146 Resp: 118623
 Ion Ratio Lower Upper
 146 100
 111 42.0 19.6 58.7
 148 64.8 31.8 95.4

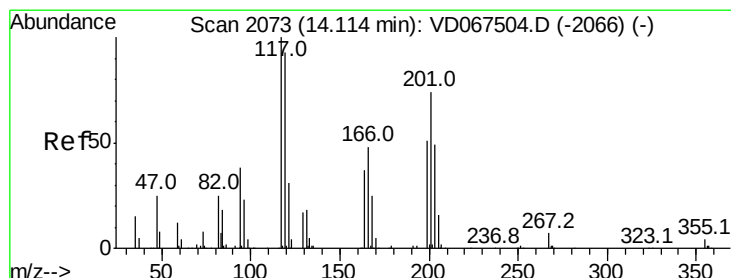
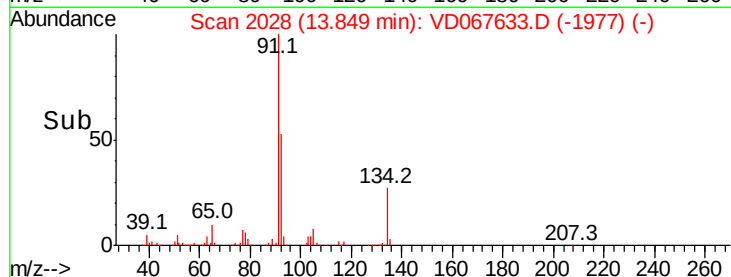
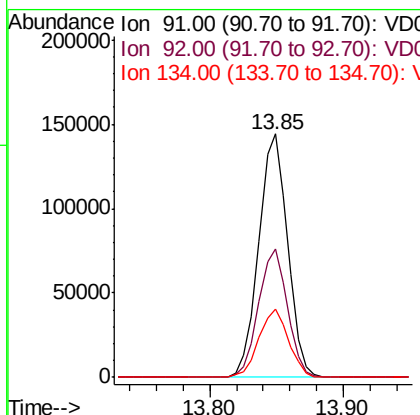
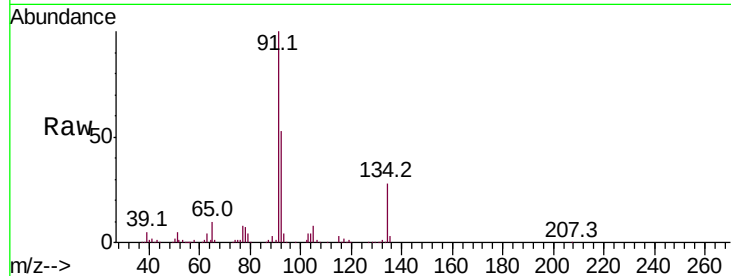




#89
n-Butylbenzene
Concen: 20.852 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD067633.D
Acq: 16 Nov 2020 11:45

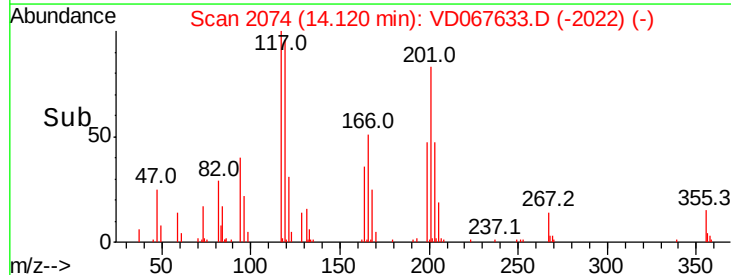
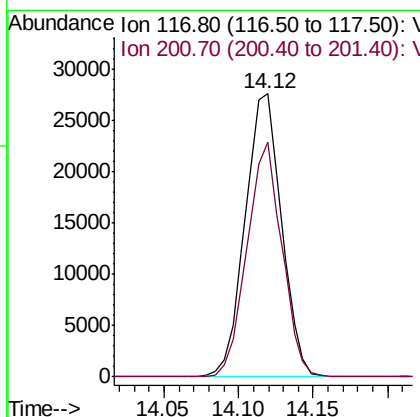
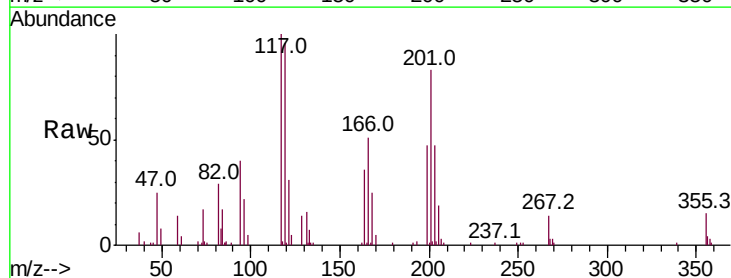
Instrument :
MSVOA_D
ClientSampleId :
VD1116SBS01

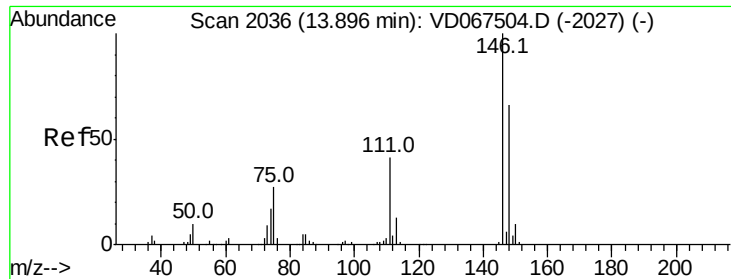
Tot Ion: 91 Resp: 215032
Ion Ratio Lower Upper
91 100
92 53.0 26.6 79.8
134 28.7 14.1 42.2



#90
Hexachloroethane
Concen: 20.751 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD067633.D
Acq: 16 Nov 2020 11:45

Tgt Ion: 117 Resp: 46655
Ion Ratio Lower Upper
117 100
201 79.2 40.7 122.1

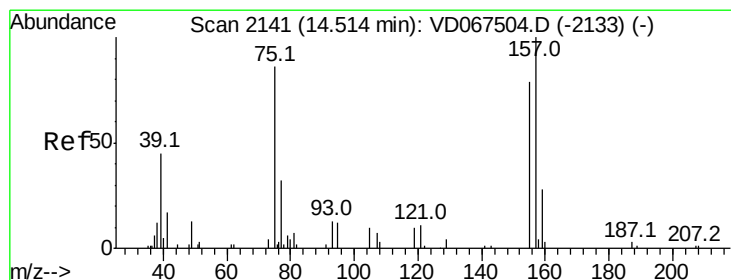
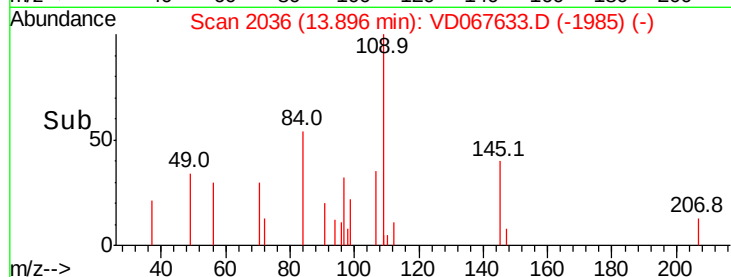
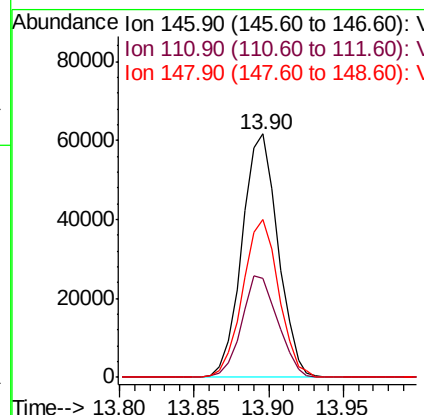
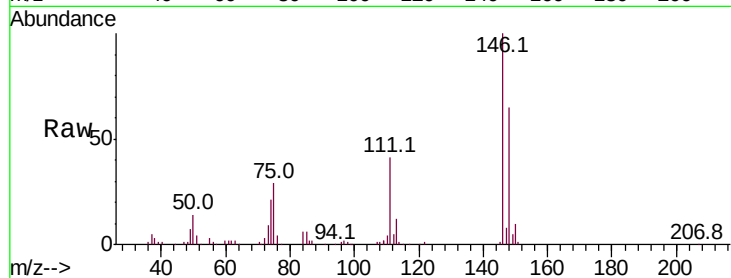




#91
 1,2-Dichlorobenzene
 Concen: 20.041 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD067633.D
 Acq: 16 Nov 2020 11:45

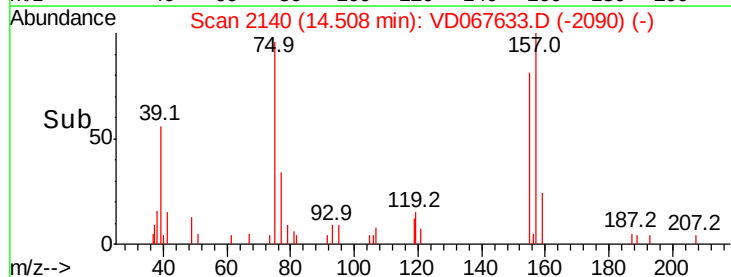
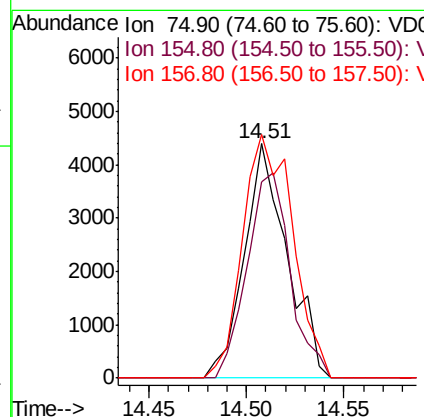
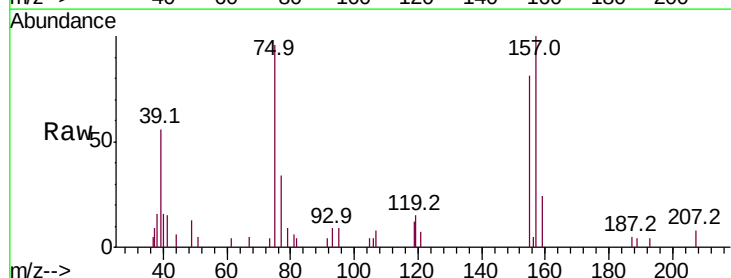
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1116SBSD01

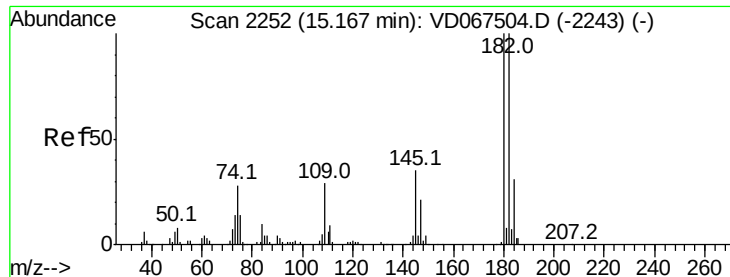
Tot Ion:146 Resp: 102822
 Ion Ratio Lower Upper
 146 100
 111 42.0 20.7 62.1
 148 65.2 31.5 94.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.888 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD067633.D
 Acq: 16 Nov 2020 11:45

Tgt Ion: 75 Resp: 6685
 Ion Ratio Lower Upper
 75 100
 155 88.1 46.6 139.8
 157 121.7 58.1 174.2

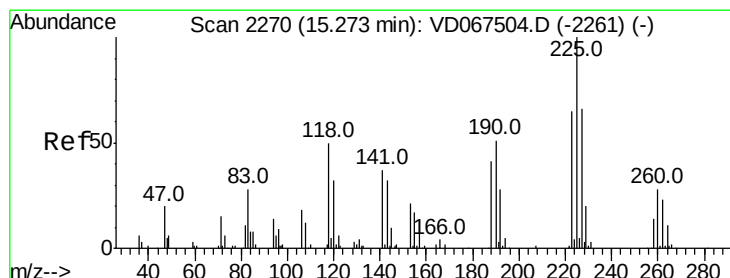
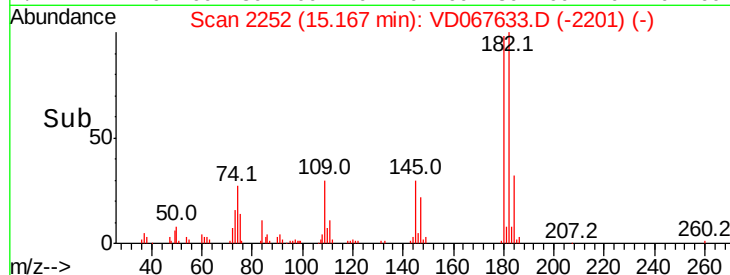
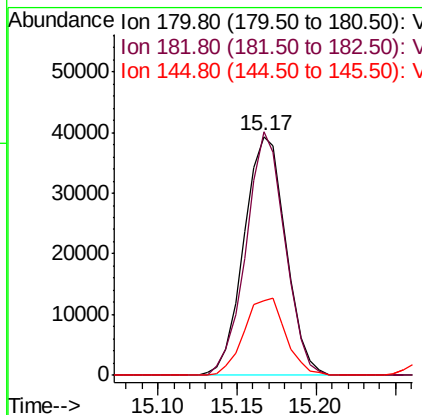
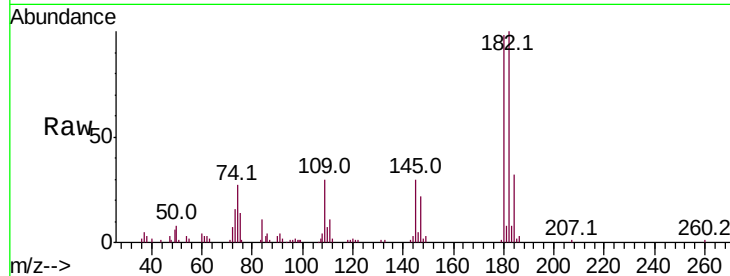




#93
 1,2,4-Trichlorobenzene
 Concen: 20.774 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD067633.D
 Acq: 16 Nov 2020 11:45

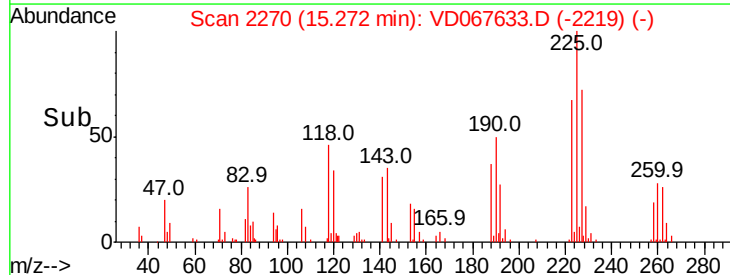
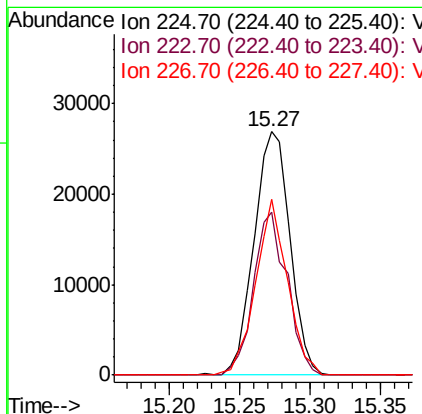
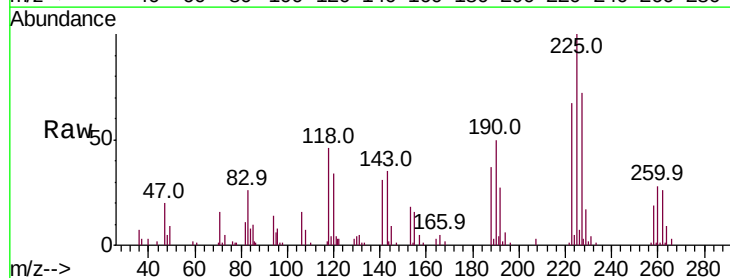
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1116SBSD01

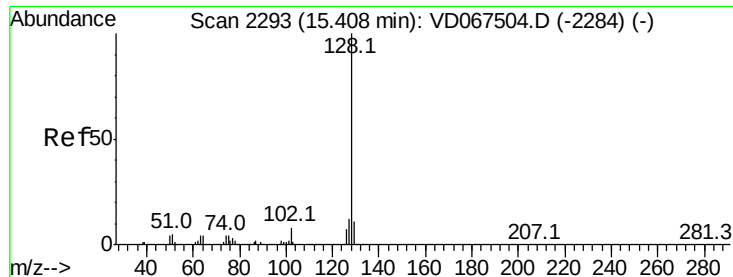
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.4	142.3
145	32.1	16.2	48.6



#94
 Hexachlorobutadiene
 Concen: 20.637 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD067633.D
 Acq: 16 Nov 2020 11:45

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.9	95.5
227	64.0	32.5	97.4





#95

Naphthalene

Concen: 20.873 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VD067633.D

Acq: 16 Nov 2020 11:45

Instrument :

MSVOA_D

ClientSampleId :

VD1116SBSD01

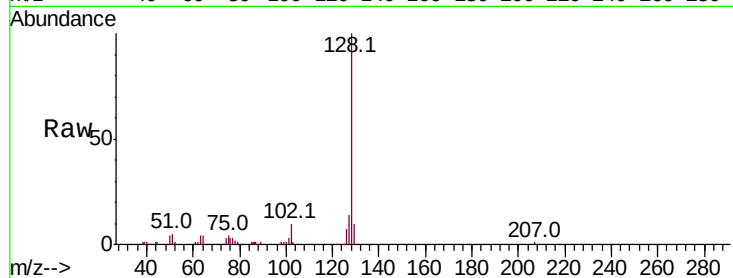
Tot Ion:128 Resp: 112170

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.4

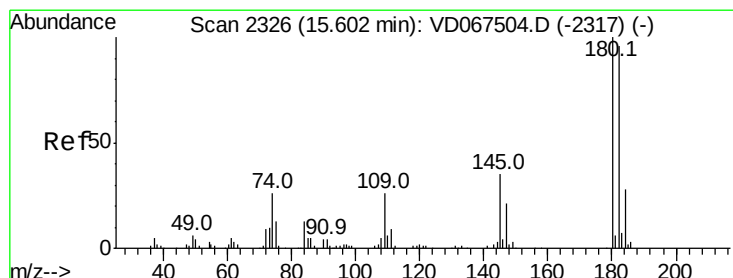
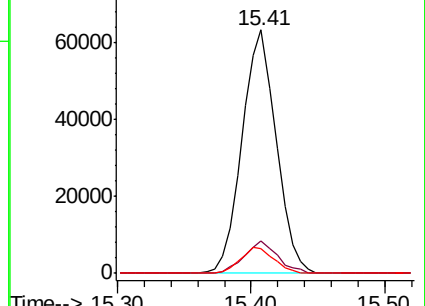
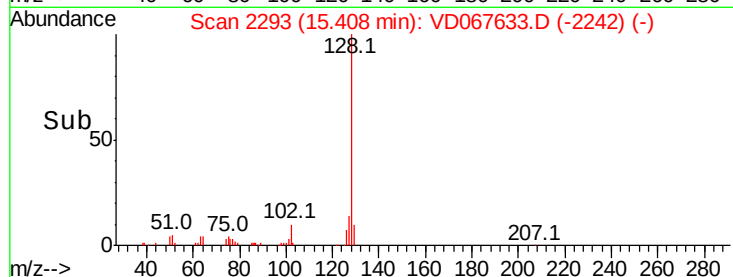
129 10.4 8.9 13.3



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: 20.902 ug/l

RT: 15.60 min Scan# 2325

Delta R.T. -0.01 min

Lab File: VD067633.D

Acq: 16 Nov 2020 11:45

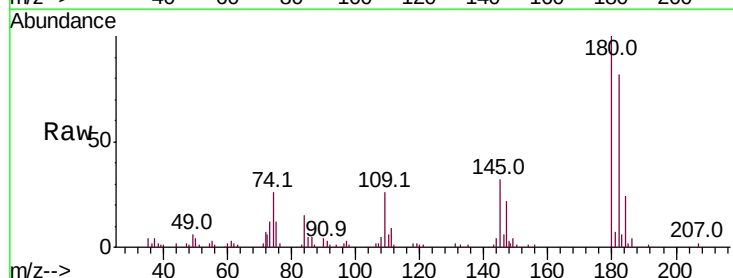
Tgt Ion:180 Resp: 62329

Ion Ratio Lower Upper

180 100

182 92.9 46.9 140.8

145 34.8 17.1 51.2



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

