

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111620\
 Data File : VD067632.D
 Acq On : 16 Nov 2020 11:18
 Operator : VA/SY
 Sample : VD1116SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1116SBS01

Quant Time: Nov 17 01:06:23 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	291811	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	420852	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	384514	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	195816	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	110283	43.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.44%	
35) Dibromofluoromethane	7.92	113	113173	44.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.26%	
50) Toluene-d8	10.34	98	403449	45.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.56%	
62) 4-Bromofluorobenzene	12.64	95	145847	47.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	56031	21.091	ug/l	98
3) Chloromethane	2.21	50	33877	18.643	ug/l	92
4) Vinyl Chloride	2.35	62	36922	18.224	ug/l	94
5) Bromomethane	2.76	94	30528	18.591	ug/l	93
6) Chloroethane	2.92	64	23507	18.820	ug/l	91
7) Trichlorofluoromethane	3.28	101	110103	20.989	ug/l	99
8) Diethyl Ether	3.71	74	20122	19.037	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.10	101	53968	20.381	ug/l	97
10) Methyl Iodide	4.30	142	51426	18.121	ug/l	99
11) Tert butyl alcohol	5.20	59	15134	127.759	ug/l #	88
12) 1,1-Dichloroethene	4.07	96	47942	19.684	ug/l	93
13) Acrolein	3.92	56	4497	63.557	ug/l	97
14) Allyl chloride	4.71	41	49880	19.135	ug/l	97
15) Acrylonitrile	5.41	53	37419	95.767	ug/l	99
16) Acetone	4.15	43	33227	87.021	ug/l	91
17) Carbon Disulfide	4.41	76	139244	18.657	ug/l #	91
18) Methyl Acetate	4.71	43	15009	19.022	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	94046	19.576	ug/l	96
20) Methylene Chloride	4.96	84	54703	20.282	ug/l	97
21) trans-1,2-Dichloroethene	5.48	96	54974	19.379	ug/l	96
22) Diisopropyl ether	6.36	45	101371	19.956	ug/l #	92
23) Vinyl Acetate	6.31	43	252990	95.145	ug/l	100
24) 1,1-Dichloroethane	6.27	63	79070	19.027	ug/l	98
25) 2-Butanone	7.21	43	37148	91.051	ug/l	97
26) 2,2-Dichloropropane	7.21	77	93007	21.206	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	57709	19.599	ug/l	97
28) Bromochloromethane	7.54	49	26744	18.092	ug/l	97
29) Tetrahydrofuran	7.56	42	22131	90.556	ug/l	89
30) Chloroform	7.71	83	100642	20.300	ug/l	99
31) Cyclohexane	7.99	56	69936	18.898	ug/l #	86
32) 1,1,1-Trichloroethane	7.90	97	105034	20.533	ug/l	99
36) 1,1-Dichloropropene	8.11	75	73501	20.403	ug/l	99
37) Ethyl Acetate	7.29	43	19444	20.790	ug/l	97
38) Carbon Tetrachloride	8.10	117	102675	21.937	ug/l	99

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 ALS Vial : 4 Sample Multiplier: 1

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Quant Time: Nov 17 01:06:23 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	84602	19.953	ug/l	94
40) Benzene	8.36	78	199328	20.427	ug/l	99
41) Methacrylonitrile	7.57	41	25472	45.563	ug/l #	13
42) 1,2-Dichloroethane	8.43	62	62327	20.673	ug/l	98
43) Isopropyl Acetate	8.46	43	35015	18.931	ug/l	98
44) Trichloroethene	9.12	130	64316	20.045	ug/l	88
45) 1,2-Dichloropropane	9.40	63	41990	19.903	ug/l	92
46) Dibromomethane	9.48	93	27876	20.780	ug/l	97
47) Bromodichloromethane	9.67	83	74171	20.343	ug/l	92
48) Methyl methacrylate	9.46	41	17888	18.731	ug/l	98
49) 1,4-Dioxane	9.47	88	5915	434.351	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	85256	96.378	ug/l	95
52) Toluene	10.41	92	142407	21.788	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	64118	20.533	ug/l	95
54) cis-1,3-Dichloropropene	10.09	75	73419	19.789	ug/l	93
55) 1,1,2-Trichloroethane	10.80	97	36975	20.832	ug/l	98
56) Ethyl methacrylate	10.66	69	35254	19.234	ug/l	99
57) 1,3-Dichloropropane	10.95	76	58185	20.372	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	85399	99.914	ug/l	97
59) 2-Hexanone	10.99	43	61074	98.743	ug/l	96
60) Dibromochloromethane	11.14	129	55264	21.048	ug/l	100
61) 1,2-Dibromoethane	11.25	107	35221	19.772	ug/l	95
64) Tetrachloroethene	10.88	164	61227	21.501	ug/l	92
65) Chlorobenzene	11.67	112	152810	20.631	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	59554	20.400	ug/l	97
67) Ethyl Benzene	11.75	91	262652	20.723	ug/l	97
68) m/p-Xylenes	11.86	106	207237	42.028	ug/l	99
69) o-Xylene	12.18	106	91118	20.697	ug/l	99
70) Styrene	12.20	104	159565	20.800	ug/l	97
71) Bromoform	12.37	173	31327	21.041	ug/l #	98
73) Isopropylbenzene	12.48	105	264913	20.933	ug/l	98
74) N-amyl acetate	12.30	43	32544	19.543	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	34387	19.927	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	48711	41.236	ug/l #	100
77) Bromobenzene	12.77	156	66293	21.330	ug/l	95
78) n-propylbenzene	12.83	91	307187	21.221	ug/l	99
79) 2-Chlorotoluene	12.91	91	171239	20.825	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	233963	21.642	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	10969	18.853	ug/l	96
82) 4-Chlorotoluene	13.01	91	190964	21.654	ug/l	96
83) tert-Butylbenzene	13.23	119	191760	20.929	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	227610	21.151	ug/l	97
85) sec-Butylbenzene	13.41	105	265404	21.458	ug/l	99
86) p-Isopropyltoluene	13.52	119	254694	21.324	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	128125	21.605	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	121500	20.233	ug/l	96
89) n-Butylbenzene	13.85	91	215088	20.849	ug/l	99
90) Hexachloroethane	14.12	117	46097	20.494	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	104627	20.385	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	6329	20.714	ug/l	94

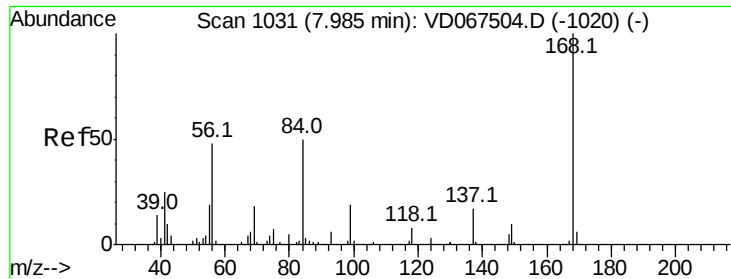
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111620\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 04 00:56:28 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	71675	20.575	ug/l	98
94) Hexachlorobutadiene	15.27	225	48751	20.910	ug/l	97
95) Naphthalene	15.41	128	106839	19.873	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	60991	20.445	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067632.D

Acq: 16 Nov 2020 11:18

Instrument :

MSVOA_D

ClientSampleId :

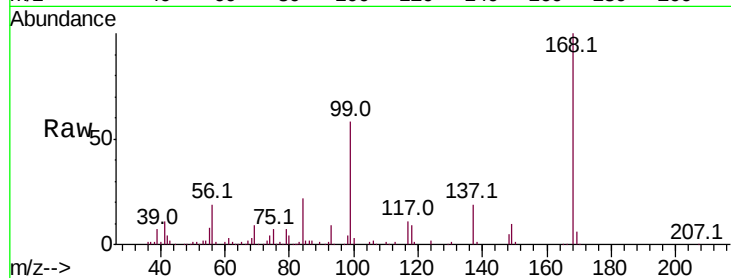
VD1116SBS01

Tot Ion:168 Resp: 291811

Ion Ratio Lower Upper

168 100

99 57.3 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

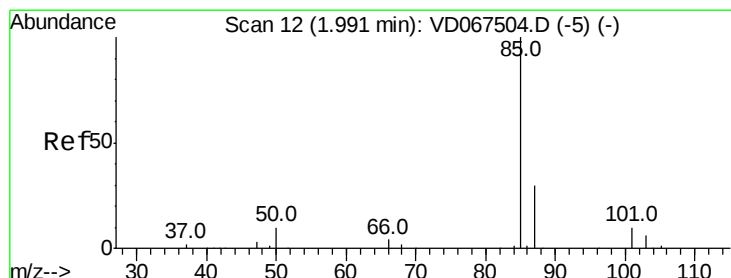
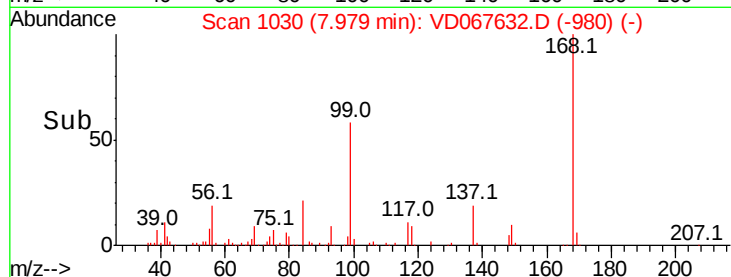
100000

50000

0

7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 21.091 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD067632.D

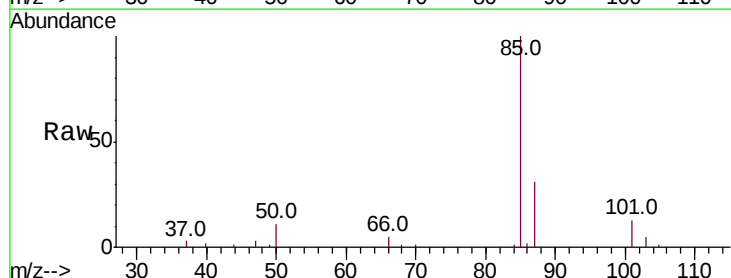
Acq: 16 Nov 2020 11:18

Tgt Ion: 85 Resp: 56031

Ion Ratio Lower Upper

85 100

87 31.4 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

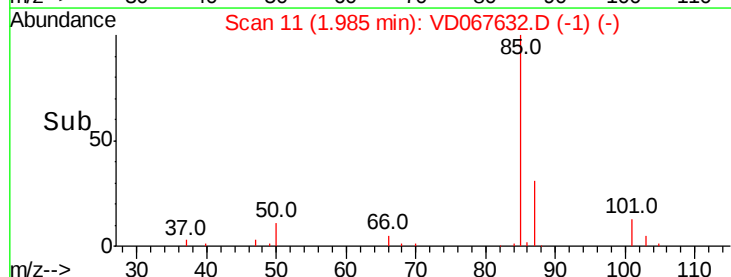
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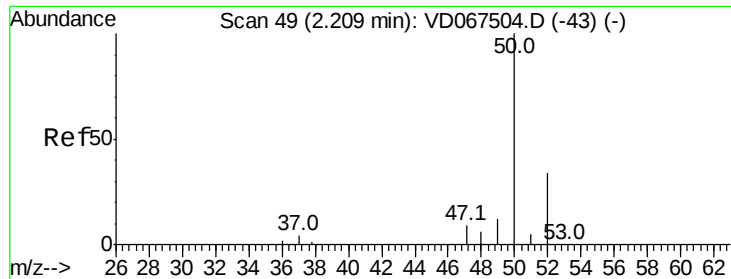
10000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 18.643 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067632.D

Acq: 16 Nov 2020 11:18

Instrument :

MSVOA_D

ClientSampleId :

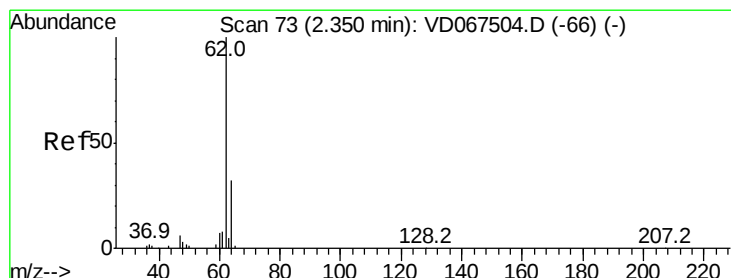
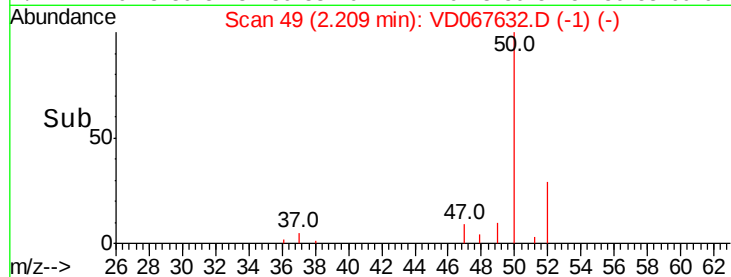
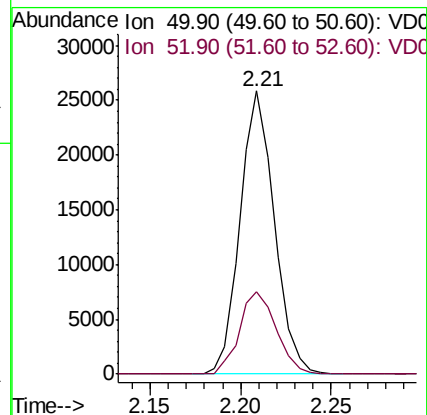
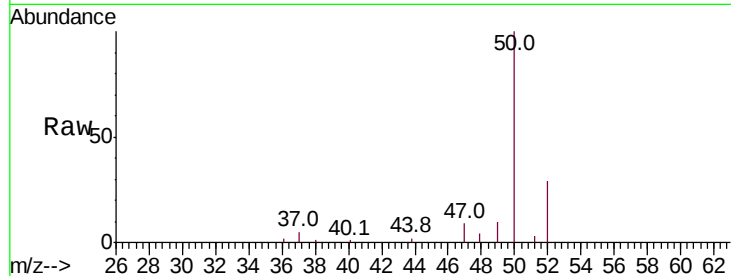
VD1116SBS01

Tot Ion: 50 Resp: 33877

Ion Ratio Lower Upper

50 100

52 29.2 27.3 40.9



#4

Vinyl Chloride

Concen: 18.224 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067632.D

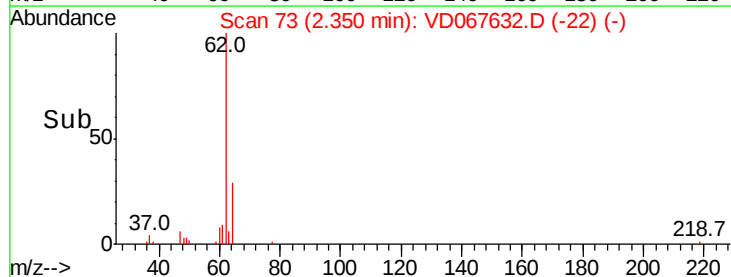
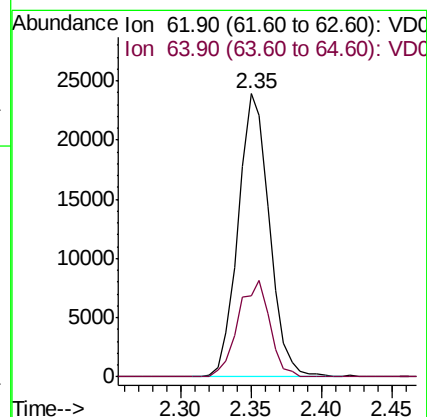
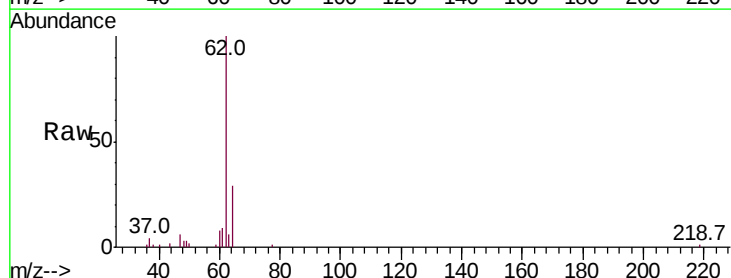
Acq: 16 Nov 2020 11:18

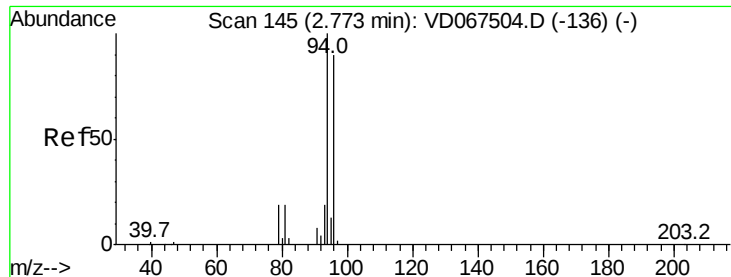
Tgt Ion: 62 Resp: 36922

Ion Ratio Lower Upper

62 100

64 28.5 25.6 38.4





#5

Bromomethane

Concen: 18.591 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD067632.D

Acq: 16 Nov 2020 11:18

Instrument :

MSVOA_D

ClientSampleId :

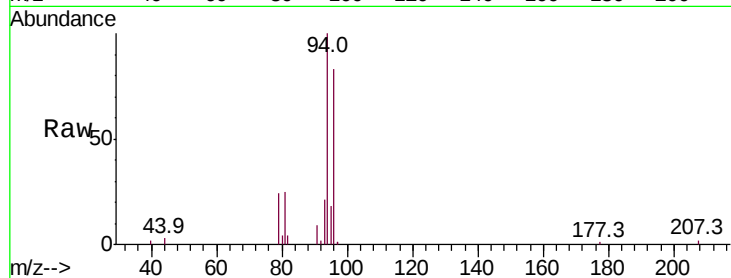
VD1116SBS01

Tot Ion: 94 Resp: 30528

Ion Ratio Lower Upper

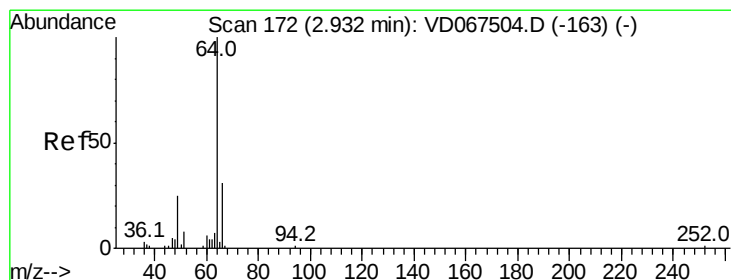
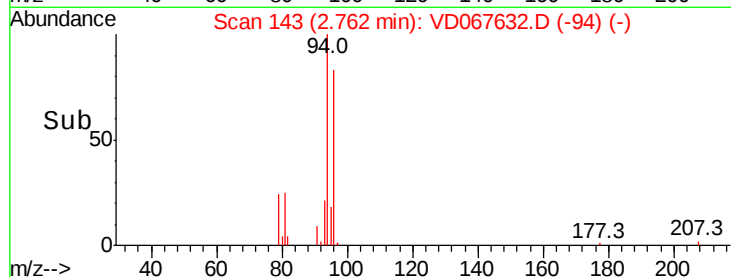
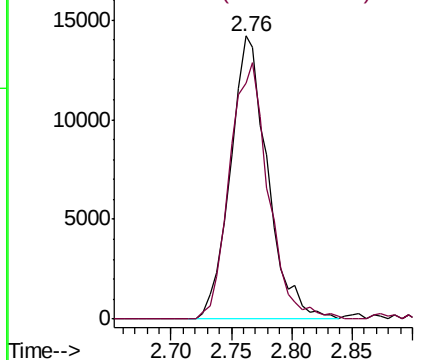
94 100

96 83.2 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: 18.820 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD067632.D

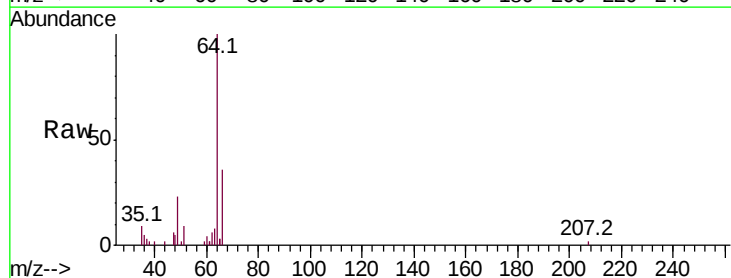
Acq: 16 Nov 2020 11:18

Tgt Ion: 64 Resp: 23507

Ion Ratio Lower Upper

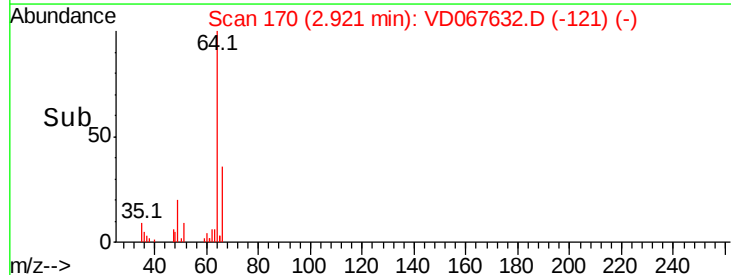
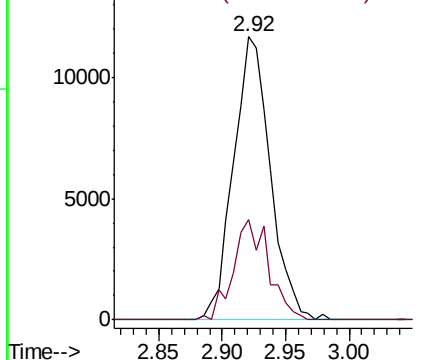
64 100

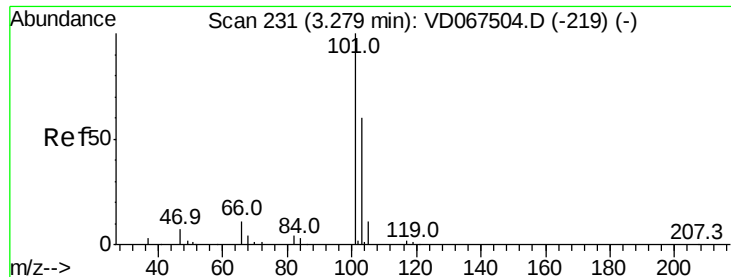
66 35.6 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



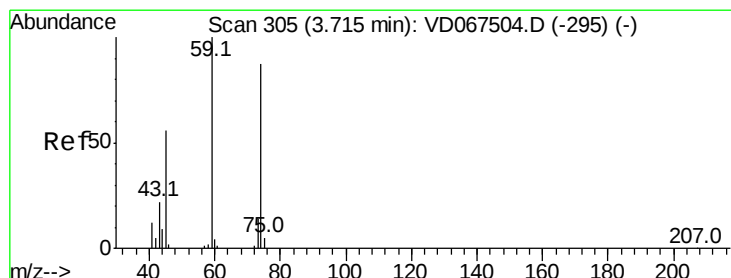
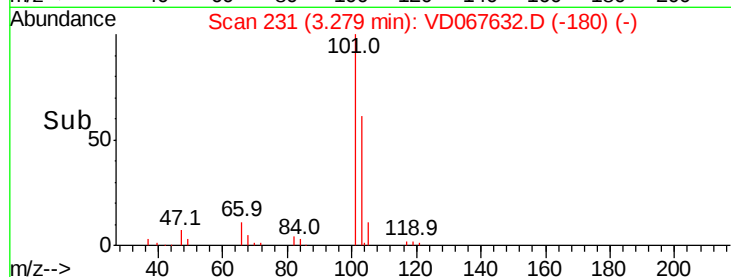
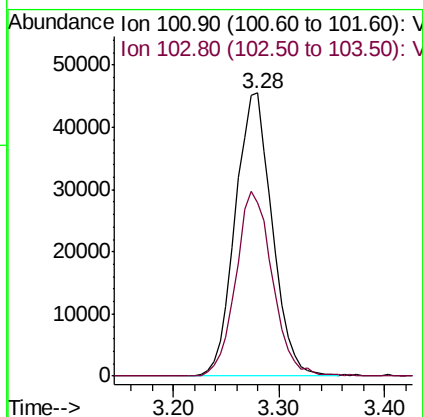
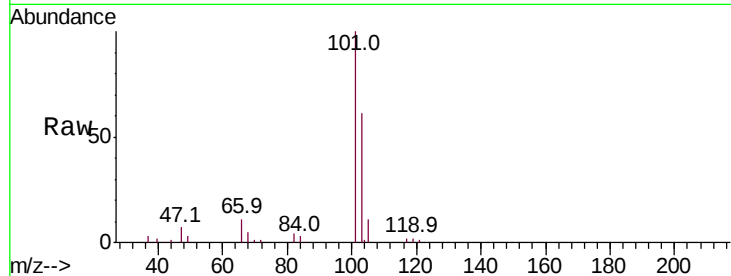


#7

Trichlorofluoromethane
Concen: 20.989 ug/l
RT: 3.28 min Scan# 231
Delta R.T. 0.00 min
Lab File: VD067632.D
Acq: 16 Nov 2020 11:18

Instrument :
MSVOA_D
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VD1116SBS01

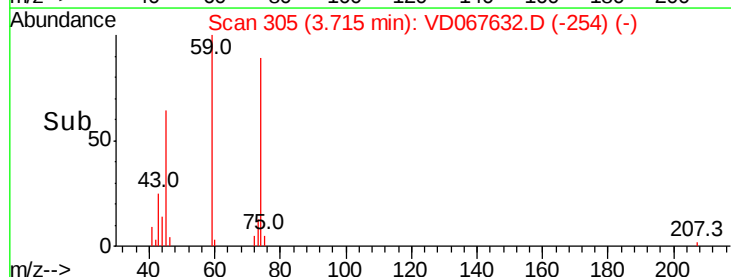
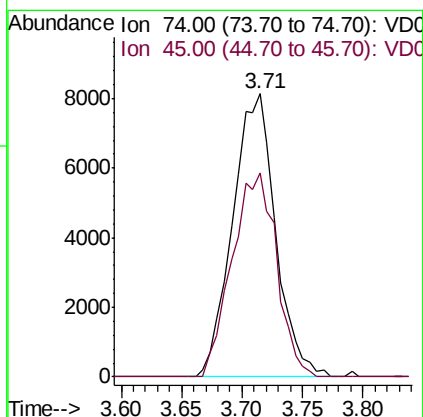
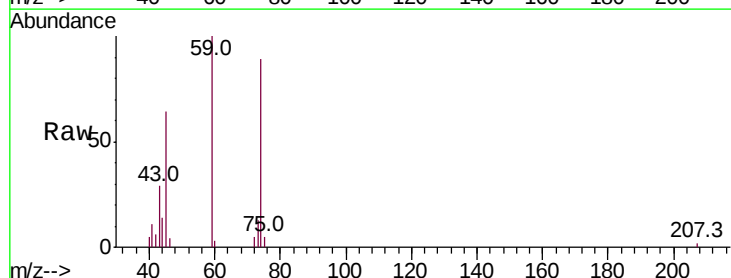
Tot Ion:101 Resp: 110103
Ion Ratio Lower Upper
101 100
103 61.2 48.1 72.1

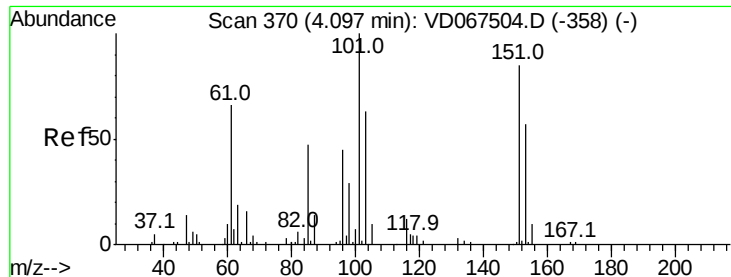


#8

Diethyl Ether
Concen: 19.037 ug/l
RT: 3.71 min Scan# 305
Delta R.T. 0.00 min
Lab File: VD067632.D
Acq: 16 Nov 2020 11:18

Tgt Ion: 74 Resp: 20122
Ion Ratio Lower Upper
74 100
45 74.4 38.2 114.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.381 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067632.D

Acq: 16 Nov 2020 11:18

Instrument :

MSVOA_D

ClientSampleId :

VD1116SBS01

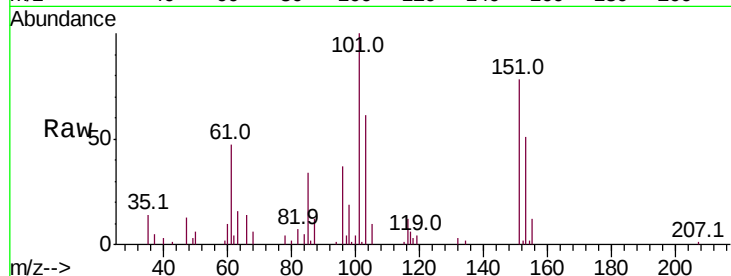
Tot Ion:101 Resp: 53968

Ion Ratio Lower Upper

101 100

85 46.6 34.4 51.6

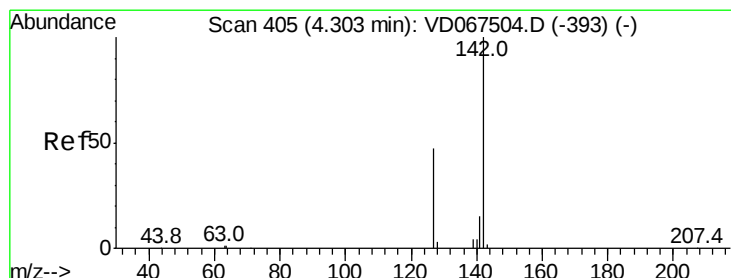
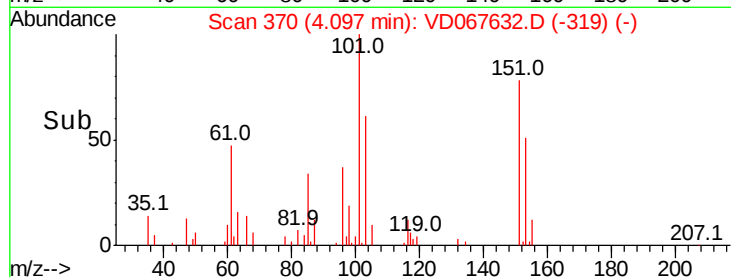
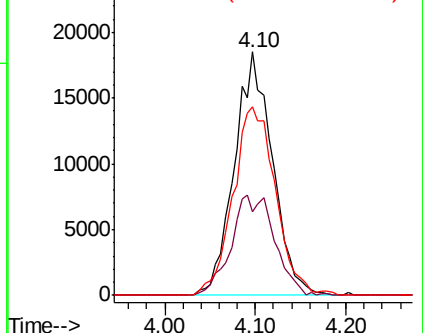
151 86.6 68.1 102.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.121 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.00 min

Lab File: VD067632.D

Acq: 16 Nov 2020 11:18

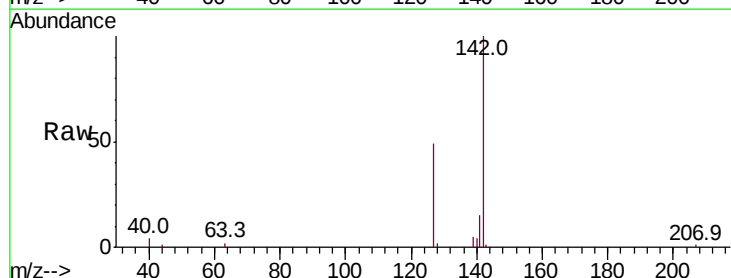
Tgt Ion:142 Resp: 51426

Ion Ratio Lower Upper

142 100

127 49.4 40.0 60.0

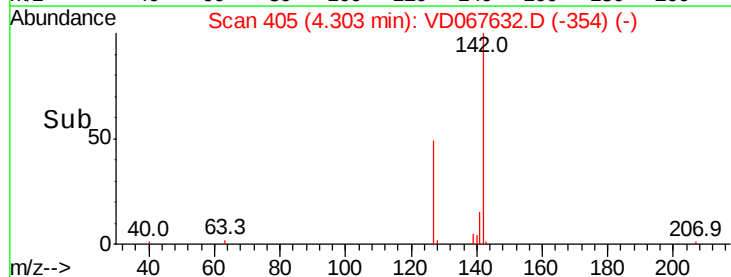
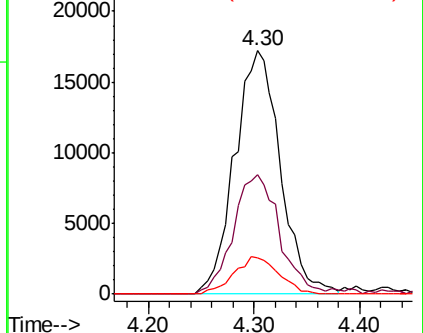
141 15.0 11.7 17.5

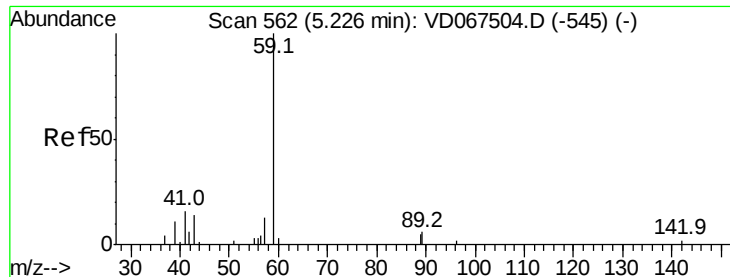


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



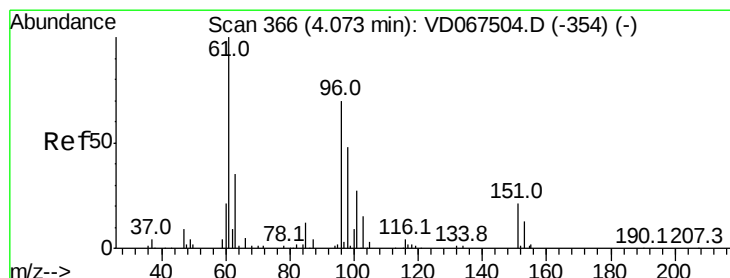
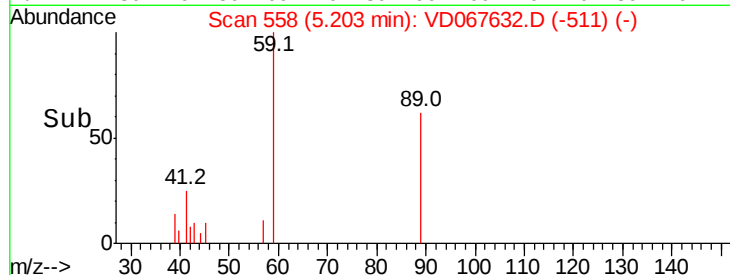
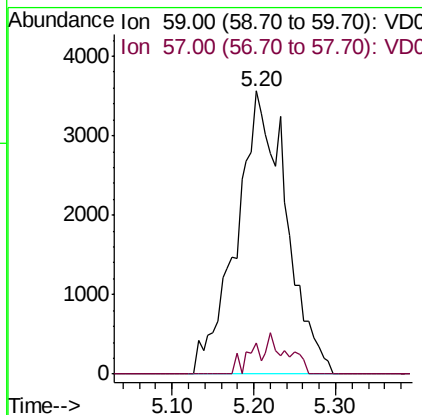
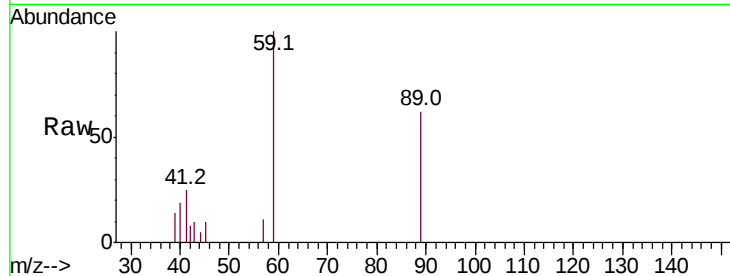


#11

Tert butyl alcohol
Concen: 127.759 ug/l
RT: 5.20 min Scan# 558
Delta R.T. -0.02 min
Lab File: VD067632.D
Acq: 16 Nov 2020 11:18

Instrument :
MSVOA_D
ClientSampleId :
VD1116SBS01

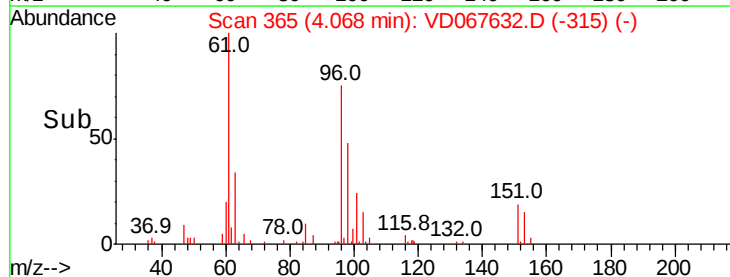
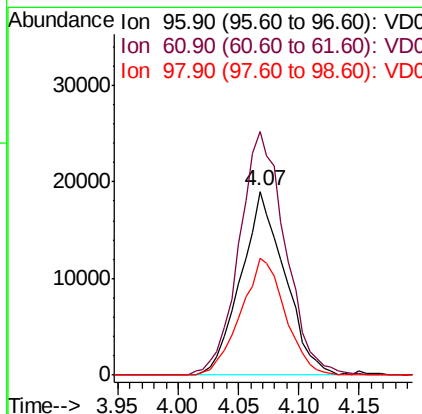
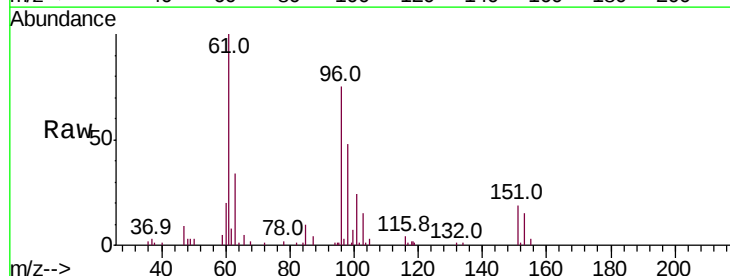
Tot Ion: 59 Resp: 15134
Ion Ratio Lower Upper
59 100
57 3.2 5.9 8.9#

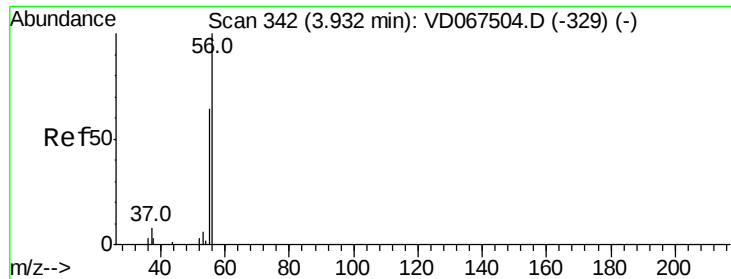


#12

1,1-Dichloroethene
Concen: 19.684 ug/l
RT: 4.07 min Scan# 365
Delta R.T. -0.01 min
Lab File: VD067632.D
Acq: 16 Nov 2020 11:18

Tgt Ion: 96 Resp: 47942
Ion Ratio Lower Upper
96 100
61 132.5 114.5 171.7
98 64.0 54.5 81.7





#13

Acrolein

Concen: 63.557 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD067632.D

Acq: 16 Nov 2020 11:18

Instrument :

MSVOA_D

ClientSampleId :

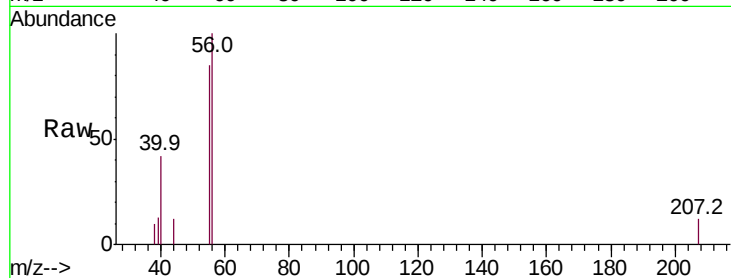
VD1116SBS01

Tot Ion: 56 Resp: 4497

Ion Ratio Lower Upper

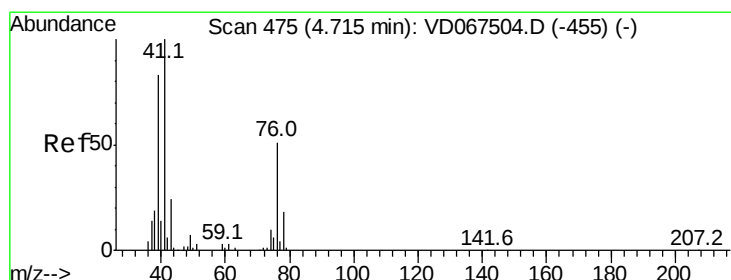
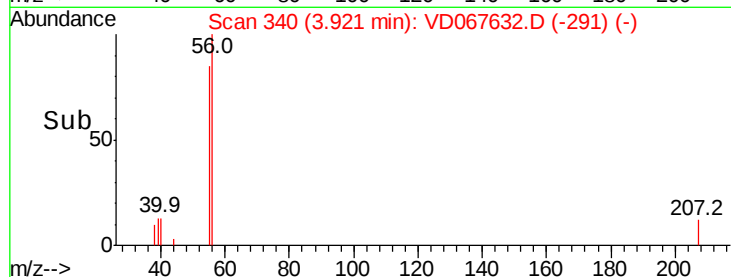
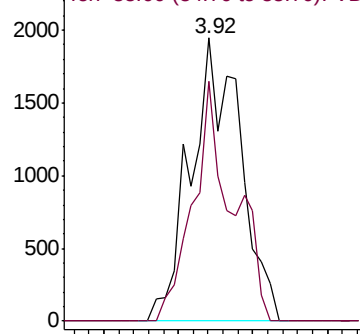
56 100

55 67.5 55.8 83.8



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 19.135 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD067632.D

Acq: 16 Nov 2020 11:18

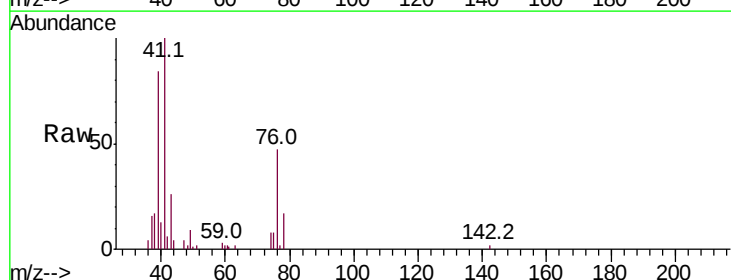
Tgt Ion: 41 Resp: 49880

Ion Ratio Lower Upper

41 100

39 87.7 67.4 101.0

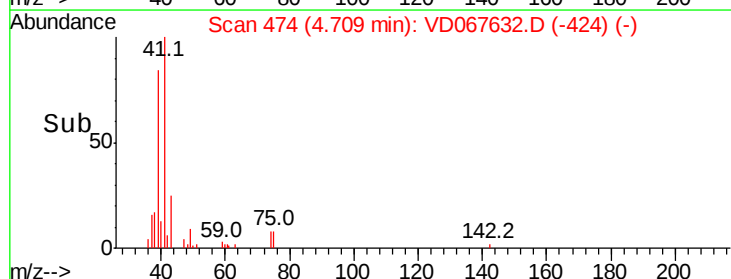
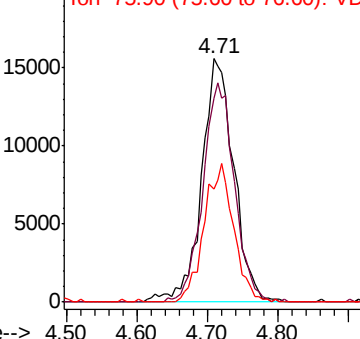
76 52.1 42.2 63.2



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 95.767 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.02 min

Lab File: VD067632.D

Acq: 16 Nov 2020 11:18

Instrument :

MSVOA_D

ClientSampleId :

VD1116SBS01

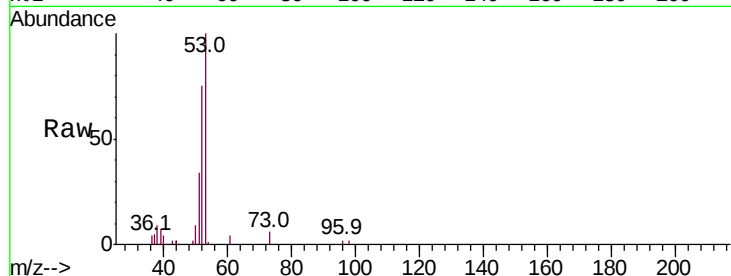
Tot Ion: 53 Resp: 37419

Ion Ratio Lower Upper

53 100

52 81.8 64.8 97.2

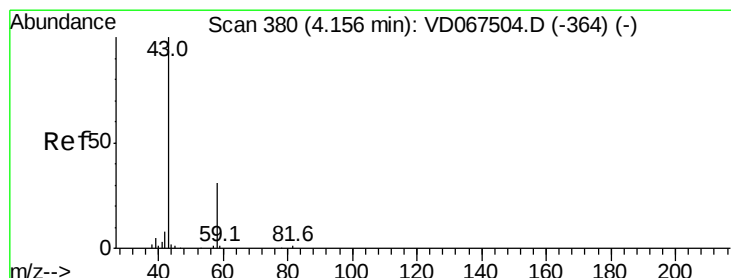
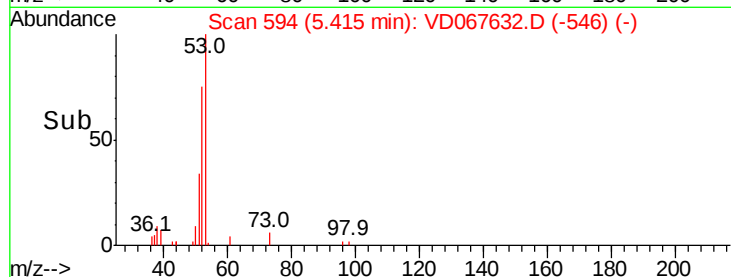
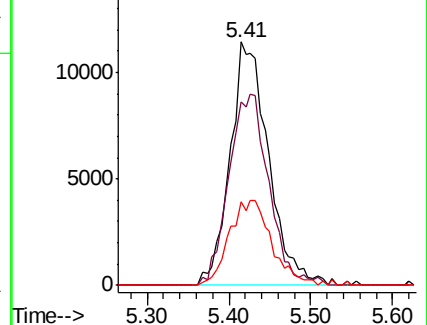
51 38.6 29.5 44.3



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: 87.021 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD067632.D

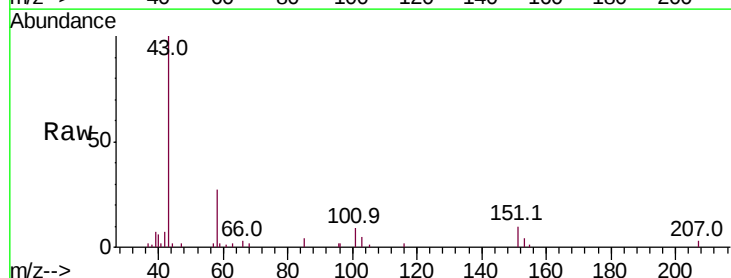
Acq: 16 Nov 2020 11:18

Tgt Ion: 43 Resp: 33227

Ion Ratio Lower Upper

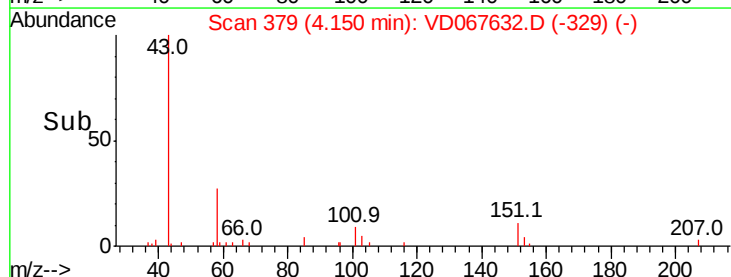
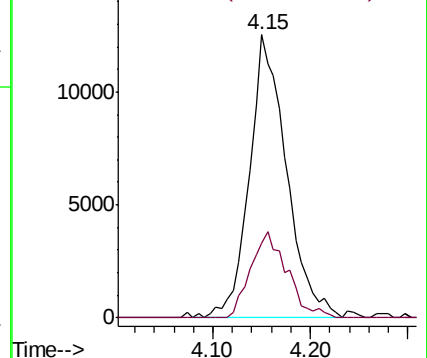
43 100

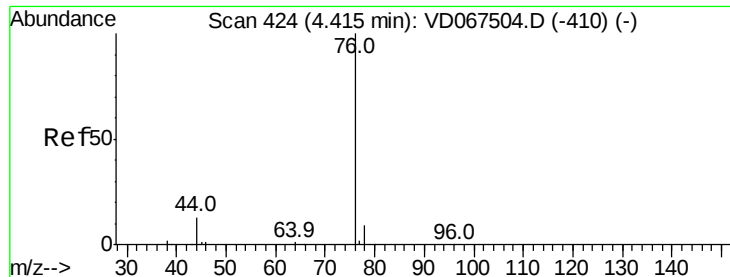
58 26.6 25.2 37.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 18.657 ug/l

RT: 4.41 min Scan# 424

Delta R.T. 0.00 min

Lab File: VD067632.D

Acq: 16 Nov 2020 11:18

Instrument :

MSVOA_D

ClientSampleId :

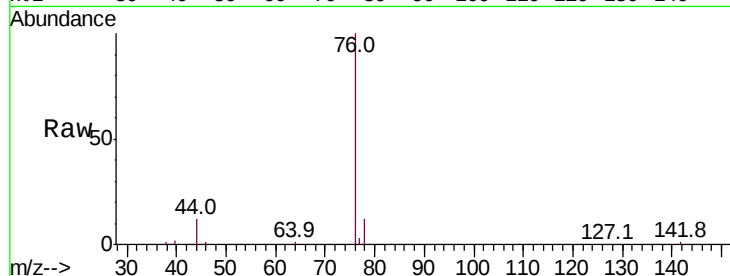
VD1116SBS01

Tot Ion: 76 Resp: 139244

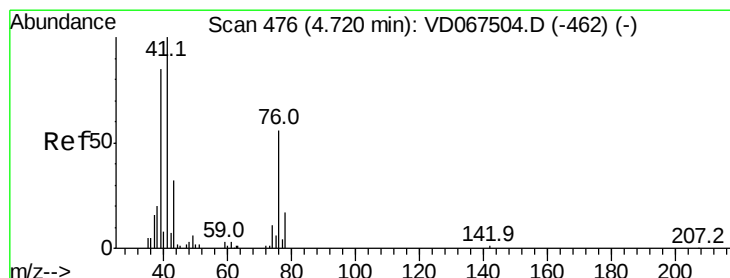
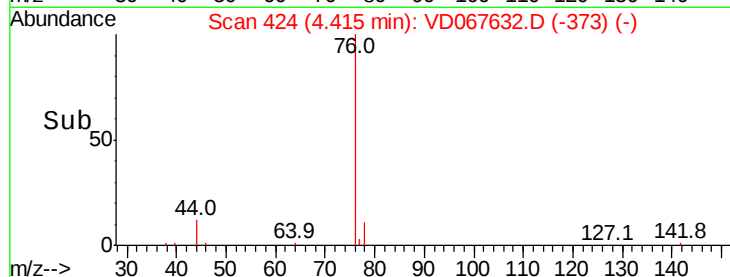
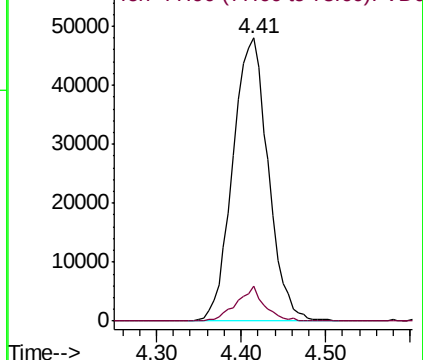
Ion Ratio Lower Upper

76 100

78 12.3 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VDC
Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 19.022 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.01 min

Lab File: VD067632.D

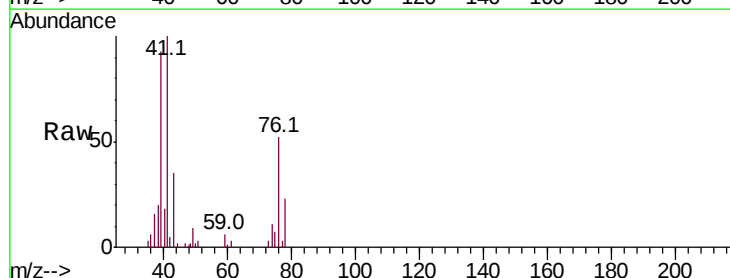
Acq: 16 Nov 2020 11:18

Tgt Ion: 43 Resp: 15009

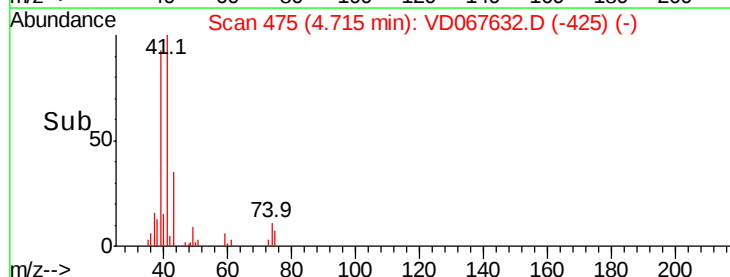
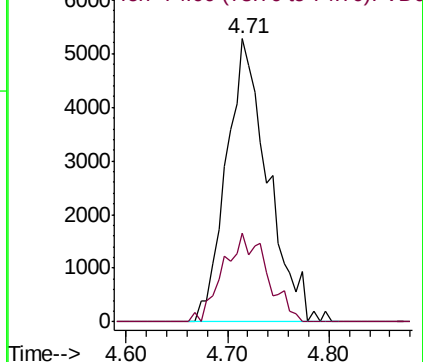
Ion Ratio Lower Upper

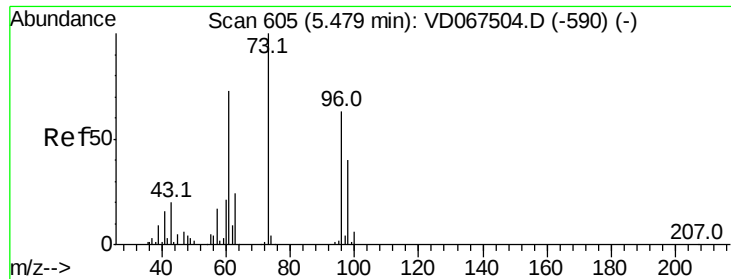
43 100

74 33.1 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 74.00 (73.70 to 74.70): VDC

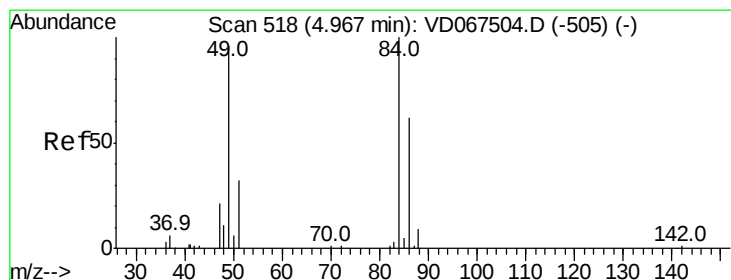
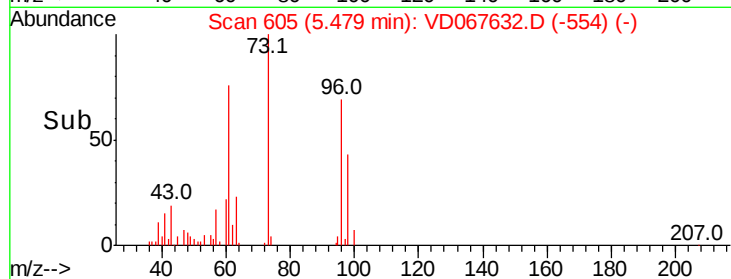
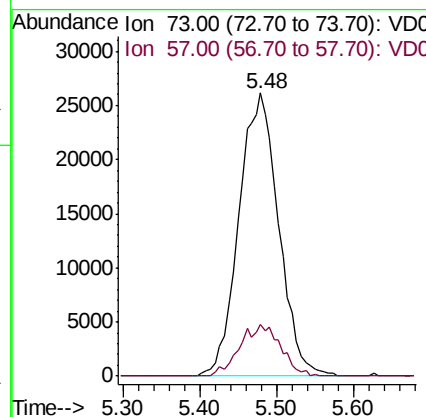
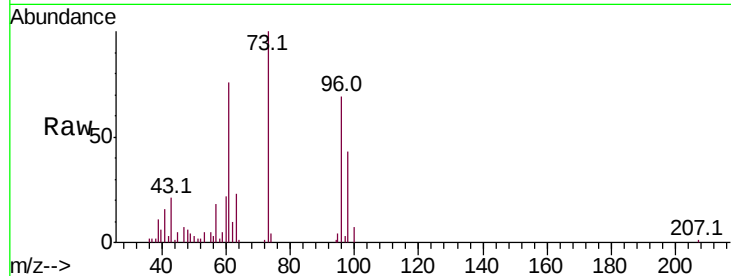




#19
Methyl tert-butyl Ether
Concen: 19.576 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD067632.D
Acq: 16 Nov 2020 11:18

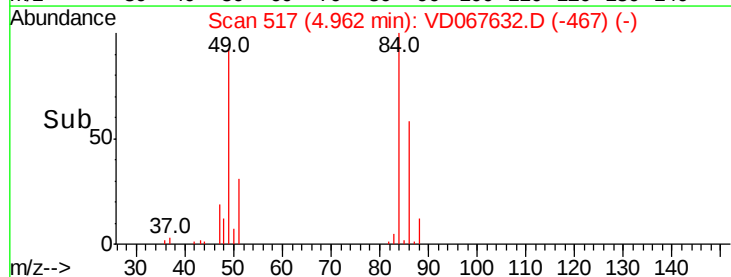
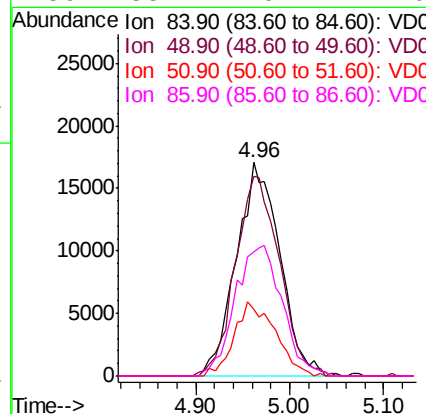
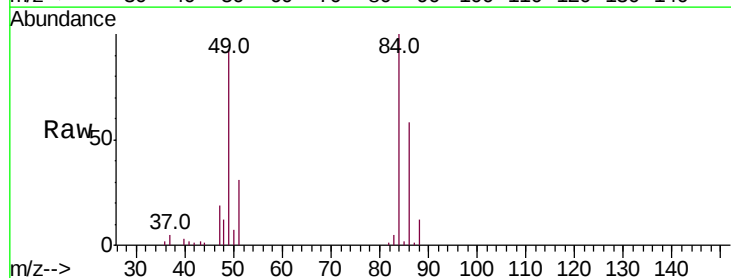
Instrument :
MSVOA_D
ClientSampleId :
VD1116SBS01

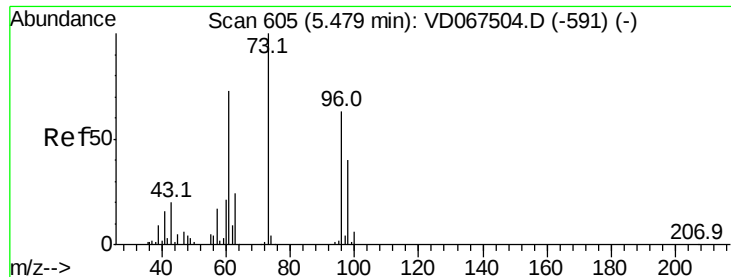
Tot Ion: 73 Resp: 94046
Ion Ratio Lower Upper
73 100
57 18.4 13.4 20.0



#20
Methylene Chloride
Concen: 20.282 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD067632.D
Acq: 16 Nov 2020 11:18

Tgt Ion: 84 Resp: 54703
Ion Ratio Lower Upper
84 100
49 93.4 77.0 115.4
51 30.9 25.4 38.2
86 58.2 49.4 74.0





#21

trans-1,2-Dichloroethene

Concen: 19.379 ug/l

RT: 5.48 min Scan# 605

Delta R.T. 0.00 min

Lab File: VD067632.D

Acq: 16 Nov 2020 11:18

Instrument :

MSVOA_D

ClientSampleId :

VD1116SBS01

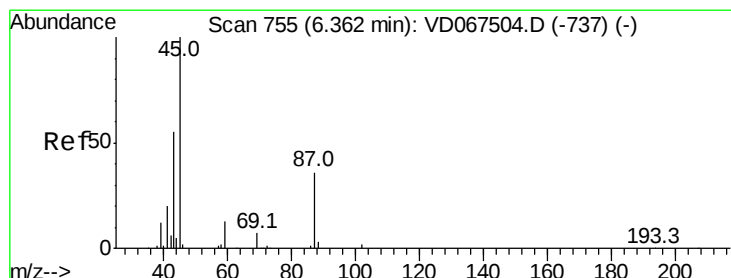
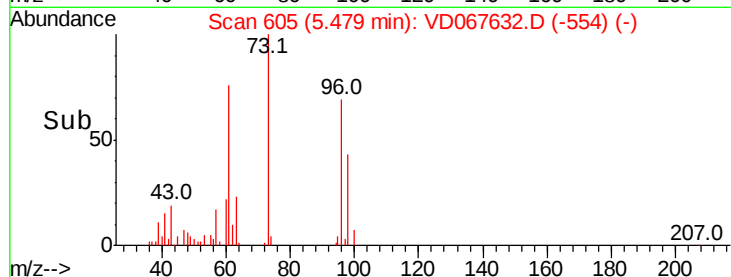
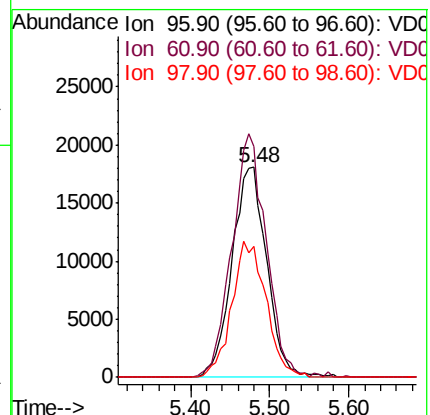
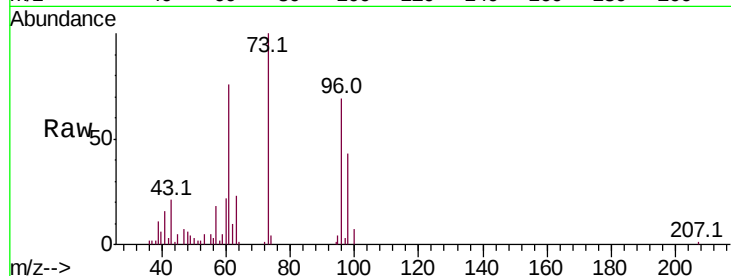
Tot Ion: 96 Resp: 54974

Ion Ratio Lower Upper

96 100

61 109.9 93.0 139.6

98 62.1 50.9 76.3



#22

Diisopropyl ether

Concen: 19.956 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD067632.D

Acq: 16 Nov 2020 11:18

Tgt Ion: 45 Resp: 101371

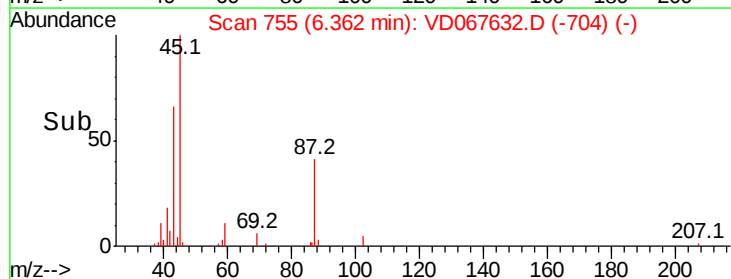
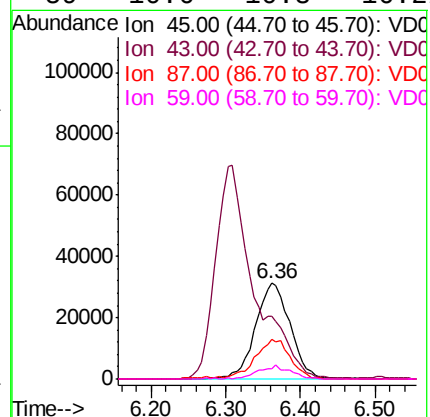
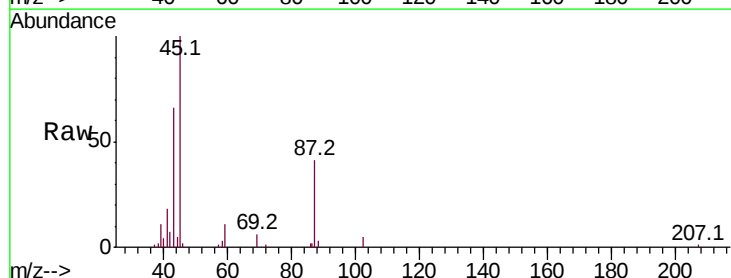
Ion Ratio Lower Upper

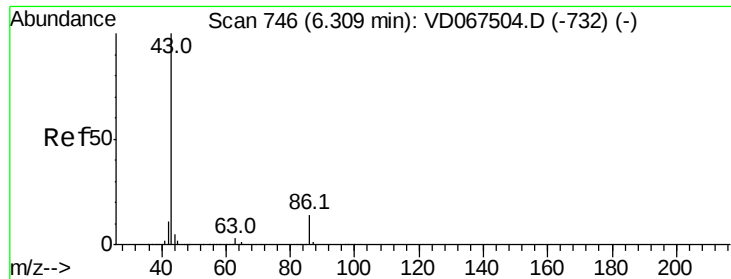
45 100

43 64.4 46.2 69.4

87 41.0 29.4 44.2

59 10.6 10.8 16.2#





#23

Vinyl Acetate

Concen: 95.145 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD067632.D

Acq: 16 Nov 2020 11:18

Instrument :

MSVOA_D

ClientSampleId :

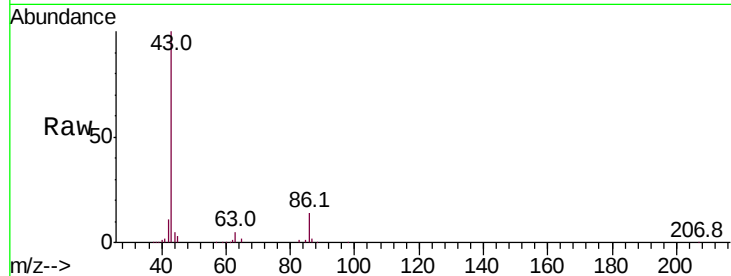
VD1116SBS01

Tot Ion: 43 Resp: 252990

Ion Ratio Lower Upper

43 100

86 14.5 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

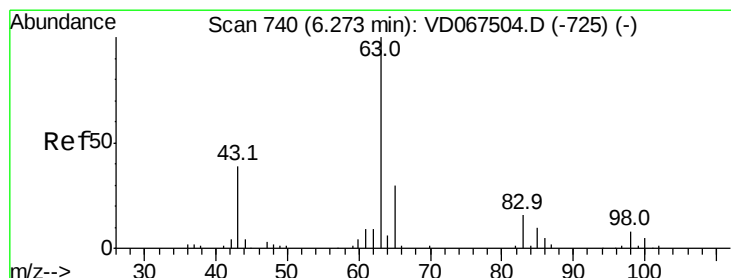
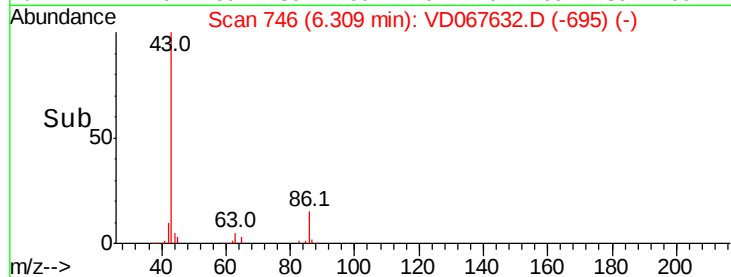
40000

20000

0

Time-->

6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 19.027 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD067632.D

Acq: 16 Nov 2020 11:18

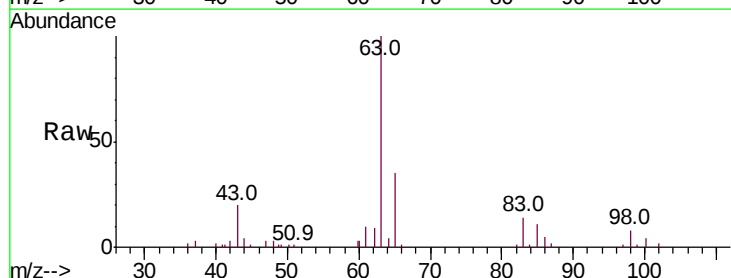
Tgt Ion: 63 Resp: 79070

Ion Ratio Lower Upper

63 100

98 8.4 3.9 11.5

100 4.1 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

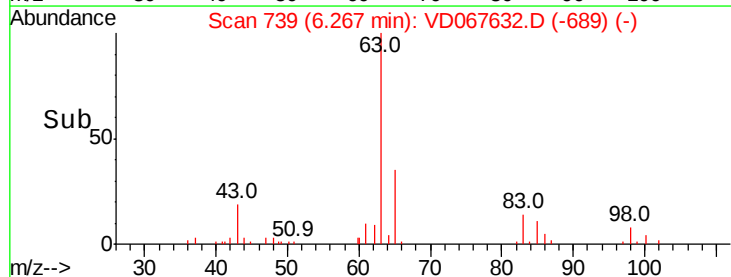
20000

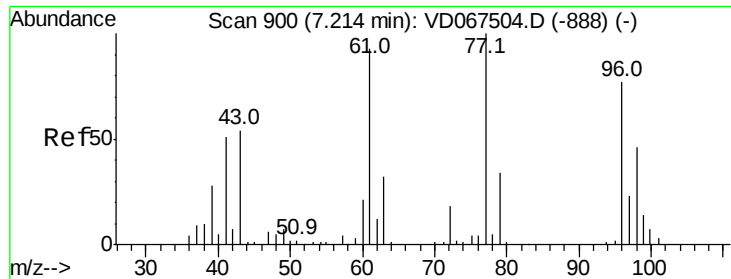
10000

0

Time-->

6.20 6.30 6.40





#25

2-Butanone

Concen: 91.051 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067632.D

Acq: 16 Nov 2020 11:18

Instrument :

MSVOA_D

ClientSampleId :

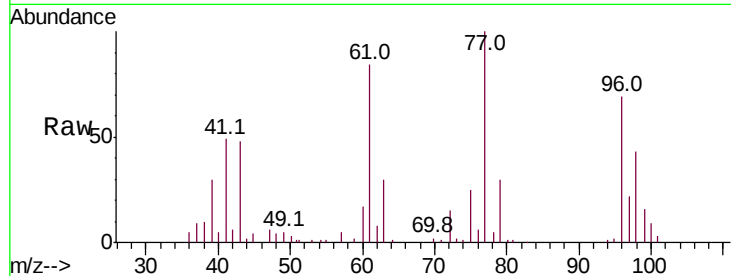
VD1116SBS01

Tot Ion: 43 Resp: 37148

Ion Ratio Lower Upper

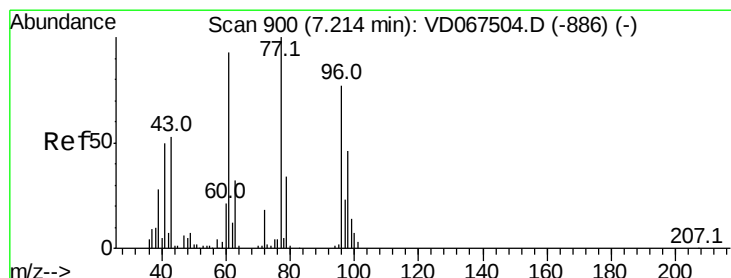
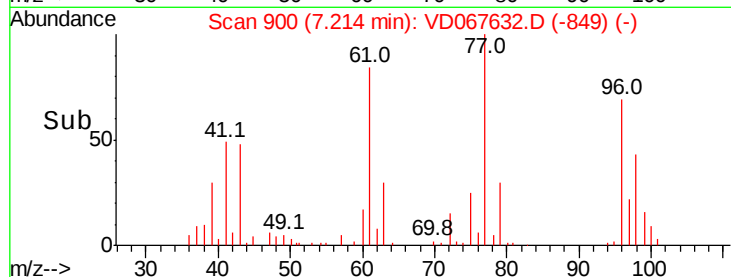
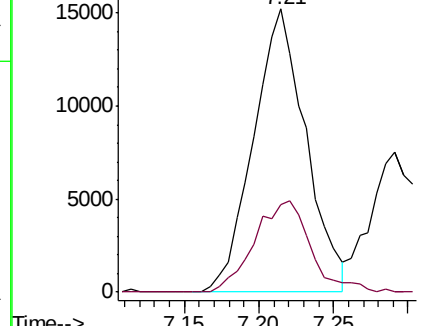
43 100

72 31.1 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.206 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067632.D

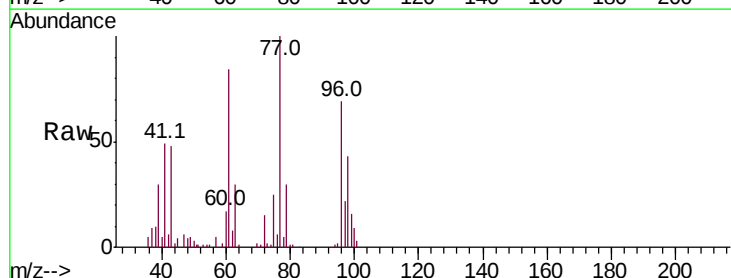
Acq: 16 Nov 2020 11:18

Tgt Ion: 77 Resp: 93007

Ion Ratio Lower Upper

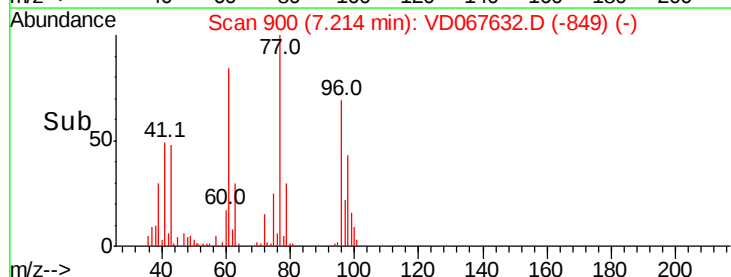
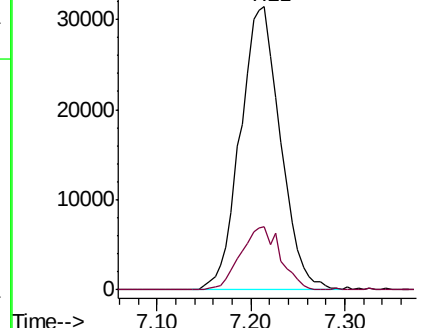
77 100

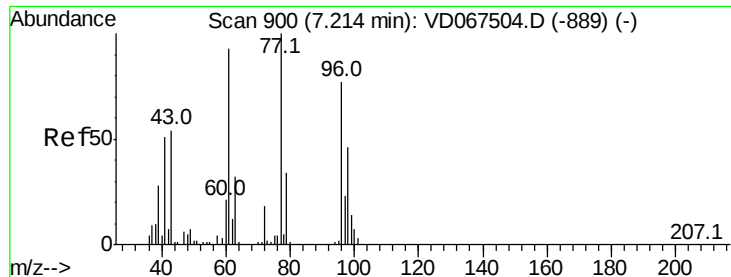
97 22.1 11.1 33.3



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



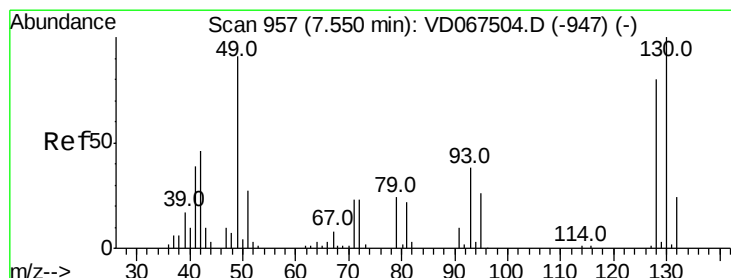
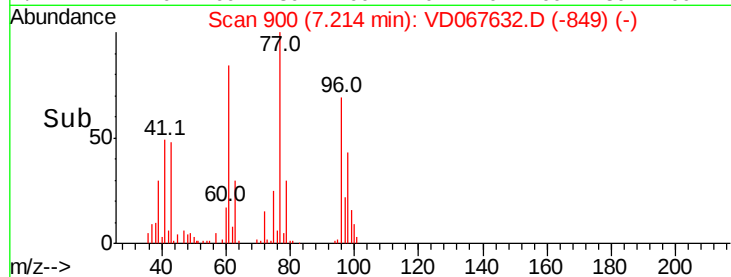
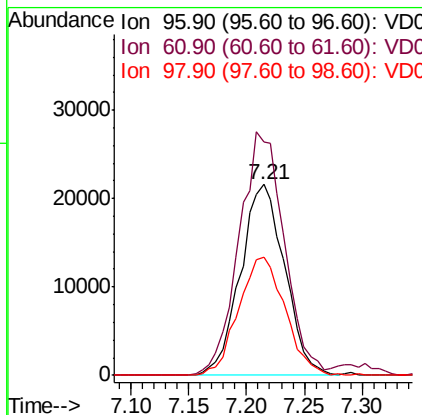
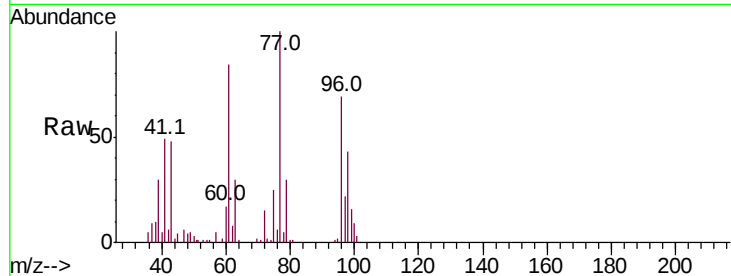


#27

cis-1,2-Dichloroethene
Concen: 19.599 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067632.D
Acq: 16 Nov 2020 11:18

Instrument :
MSVOA_D
ClientSampleId :
VD1116SBS01

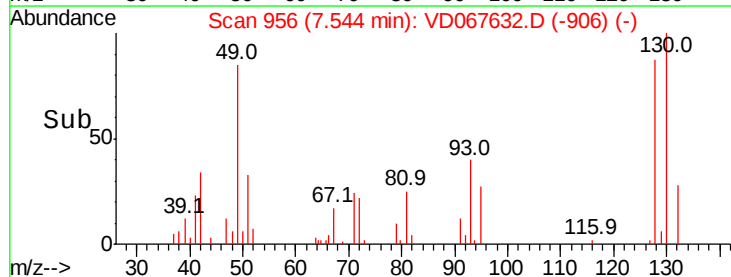
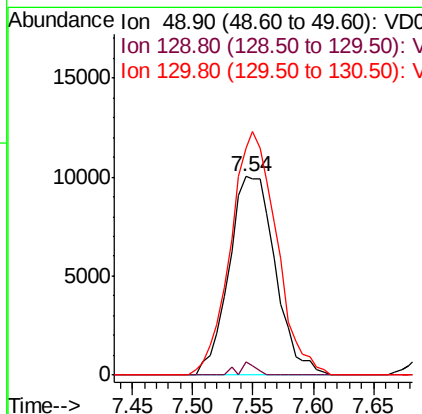
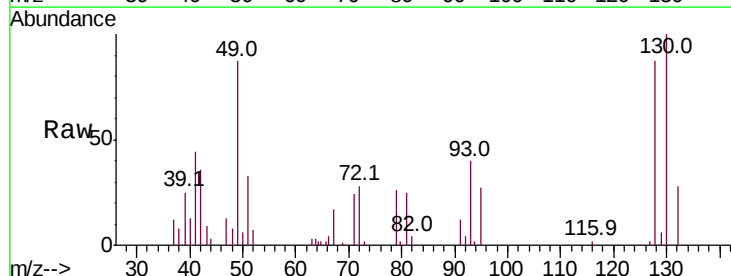
Tot Ion: 96 Resp: 57709
Ion Ratio Lower Upper
96 100
61 130.1 0.0 251.6
98 64.9 0.0 128.0

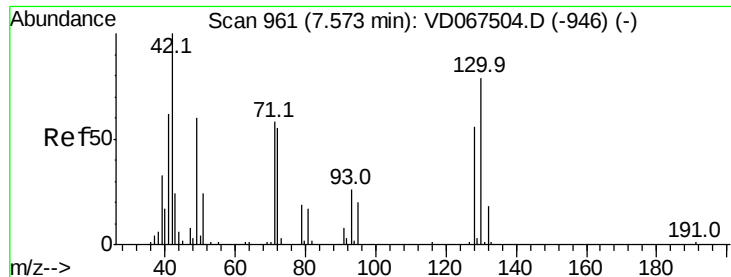


#28

Bromochloromethane
Concen: 18.092 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD067632.D
Acq: 16 Nov 2020 11:18

Tgt Ion: 49 Resp: 26744
Ion Ratio Lower Upper
49 100
129 2.3 0.0 6.4
130 121.4 94.6 142.0

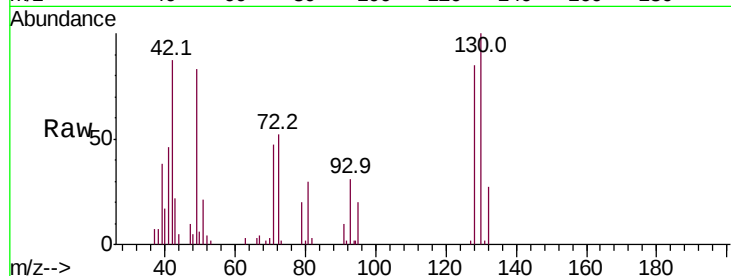




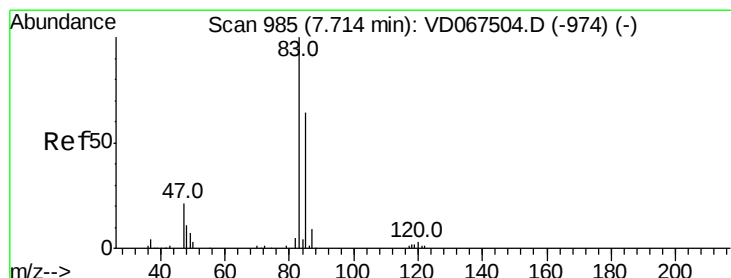
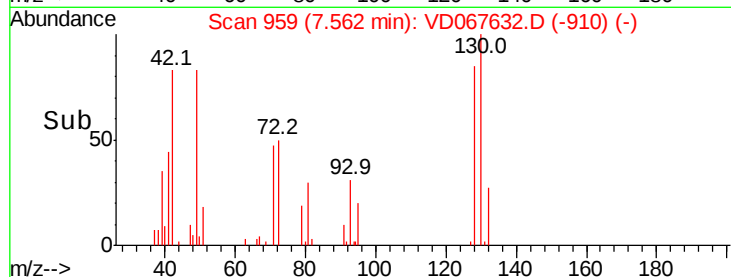
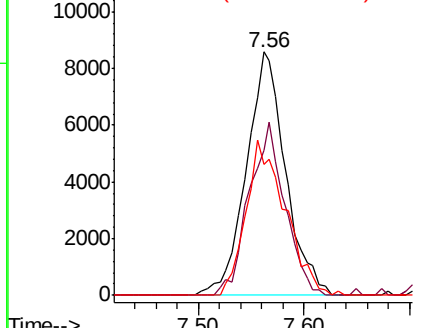
#29
Tetrahydrofuran
Concen: 90.556 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.01 min
Lab File: VD067632.D
Acq: 16 Nov 2020 11:18

Instrument :
MSVOA_D
ClientSampleId :
VD1116SBS01

Tot Ion: 42 Resp: 22131
Ion Ratio Lower Upper
42 100
72 64.7 46.3 69.5
71 63.7 44.0 66.0

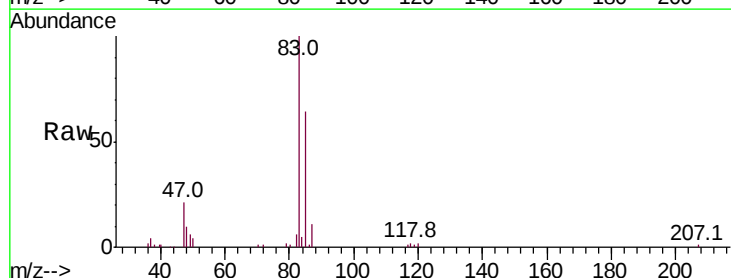


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

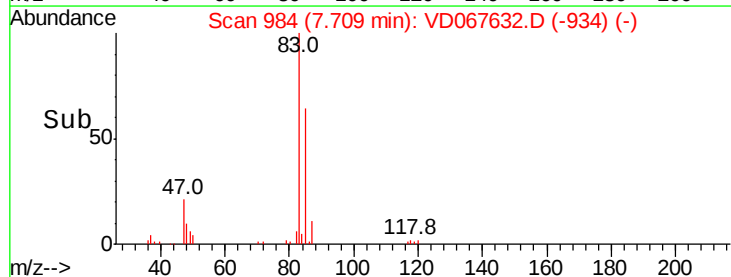
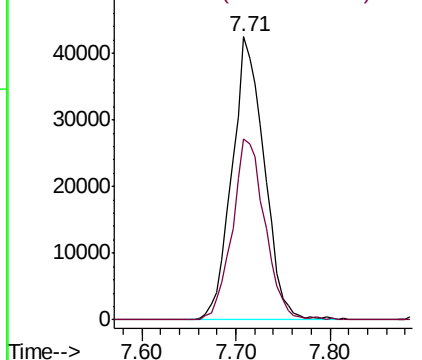


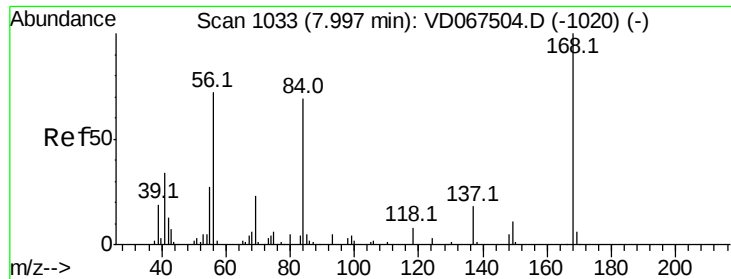
#30
Chloroform
Concen: 20.300 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD067632.D
Acq: 16 Nov 2020 11:18

Tgt Ion: 83 Resp: 100642
Ion Ratio Lower Upper
83 100
85 63.7 51.5 77.3



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

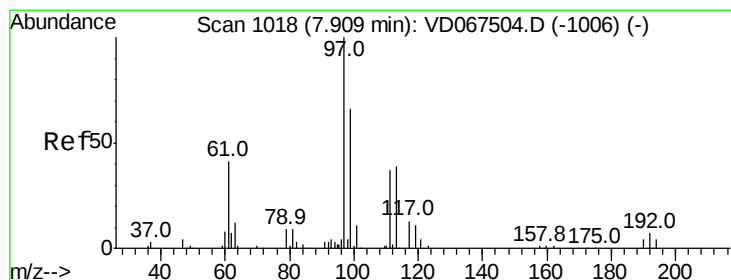
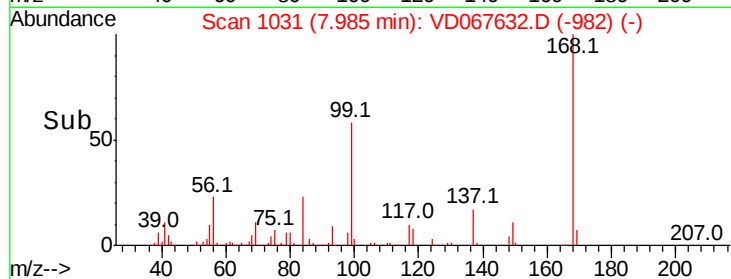
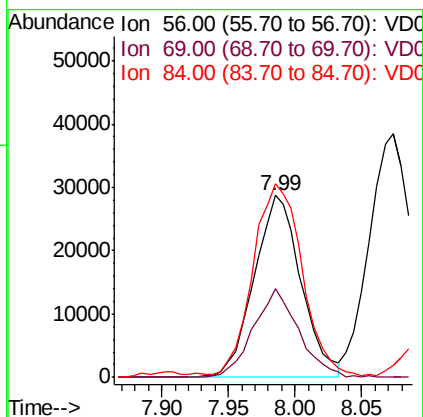
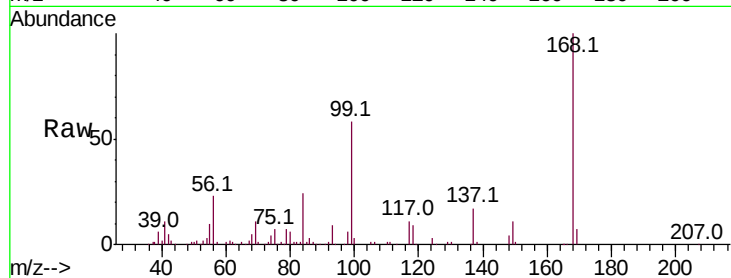




#31
Cyclohexane
Concen: 18.898 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VD067632.D
Acq: 16 Nov 2020 11:18

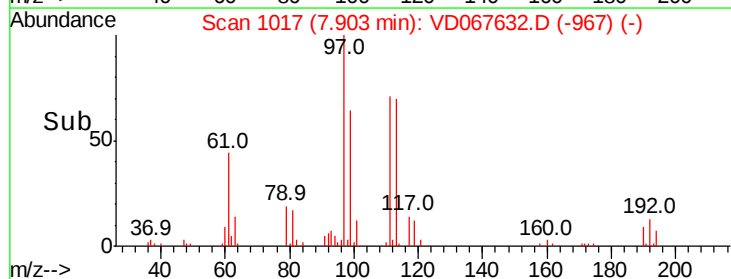
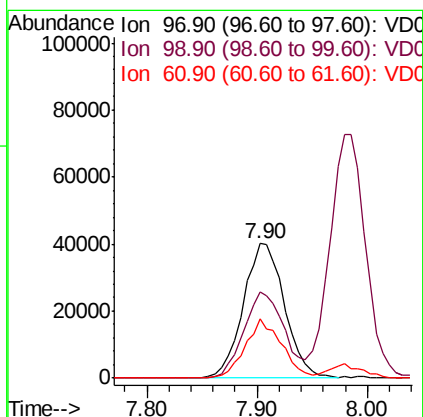
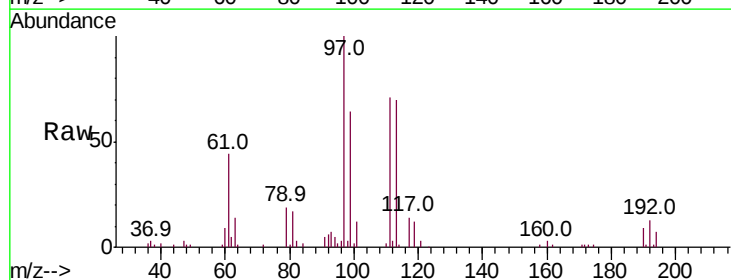
Instrument :
MSVOA_D
ClientSampleId :
VD1116SBS01

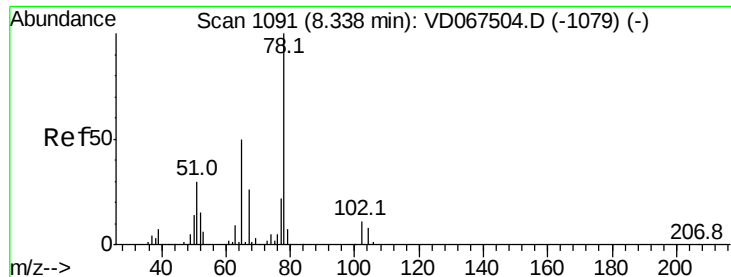
Tot Ion: 56 Resp: 69936
Ion Ratio Lower Upper
56 100
69 48.7 25.9 38.9#
84 104.2 76.2 114.4



#32
1,1,1-Trichloroethane
Concen: 20.533 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD067632.D
Acq: 16 Nov 2020 11:18

Tgt Ion: 97 Resp: 105034
Ion Ratio Lower Upper
97 100
99 63.6 51.8 77.6
61 38.7 30.5 45.7





#33

1,2-Dichloroethane-d4

Concen: 43.222 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD067632.D

Acq: 16 Nov 2020 11:18

Instrument :

MSVOA_D

ClientSampleId :

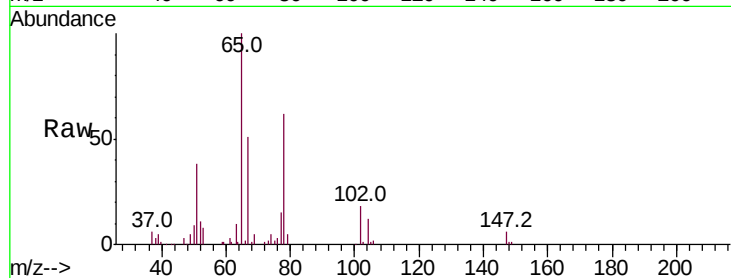
VD1116SBS01

Tot Ion: 65 Resp: 110283

Ion Ratio Lower Upper

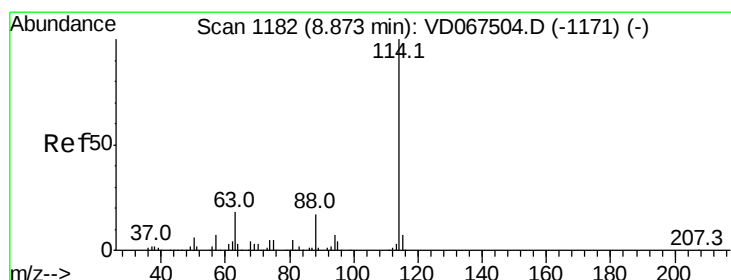
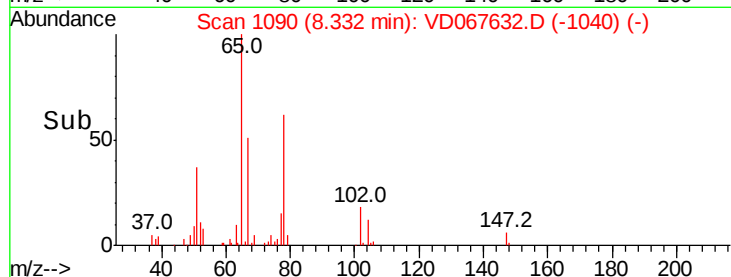
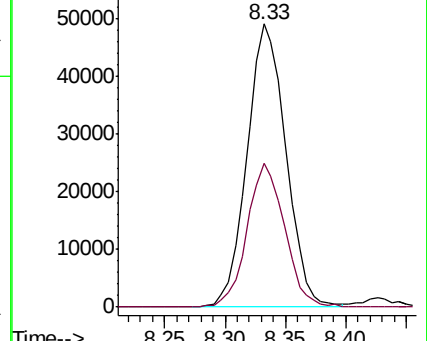
65 100

67 49.2 0.0 99.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.01 min

Lab File: VD067632.D

Acq: 16 Nov 2020 11:18

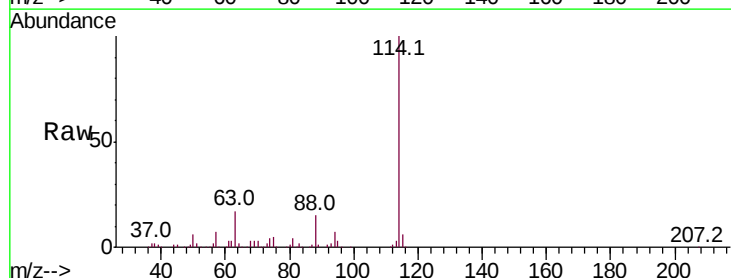
Tgt Ion: 114 Resp: 420852

Ion Ratio Lower Upper

114 100

63 16.9 0.0 35.0

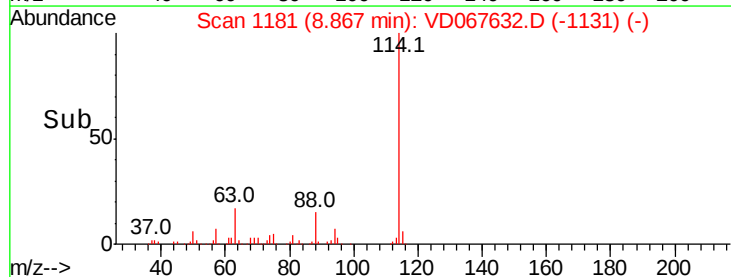
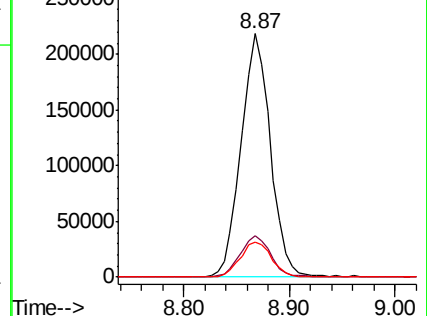
88 14.6 0.0 33.0

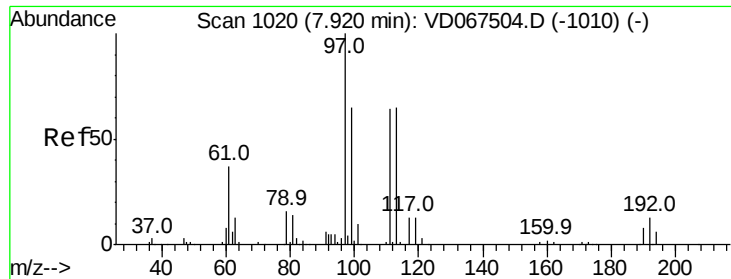


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

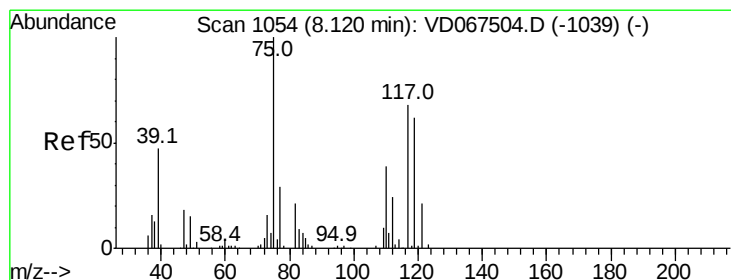
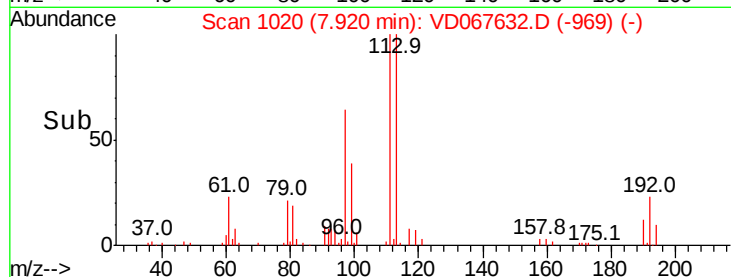
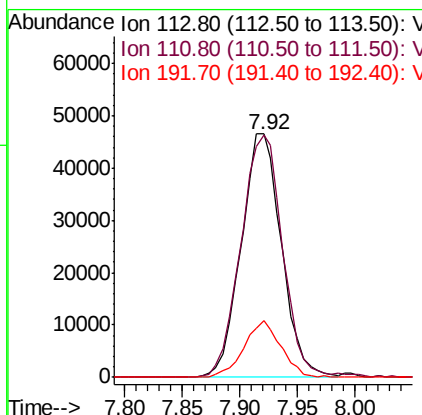
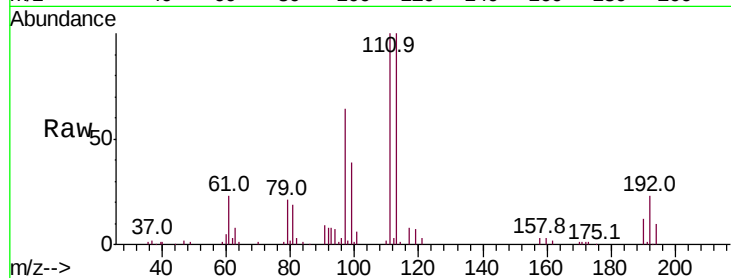




#35
 Dibromofluoromethane
 Concen: 44.633 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD067632.D
 Acq: 16 Nov 2020 11:18

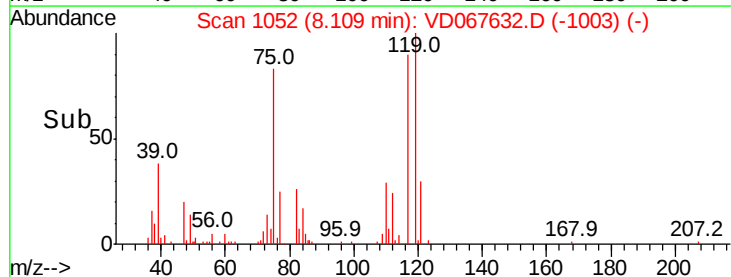
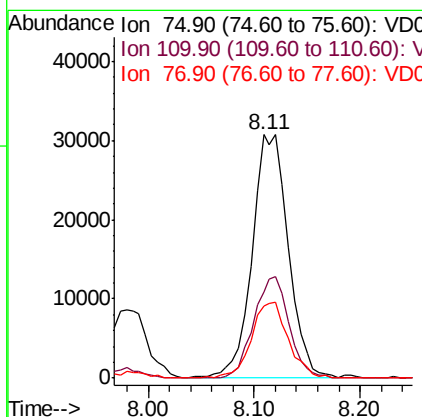
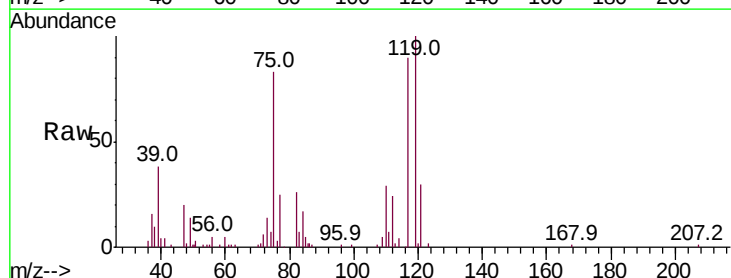
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1116SBS01

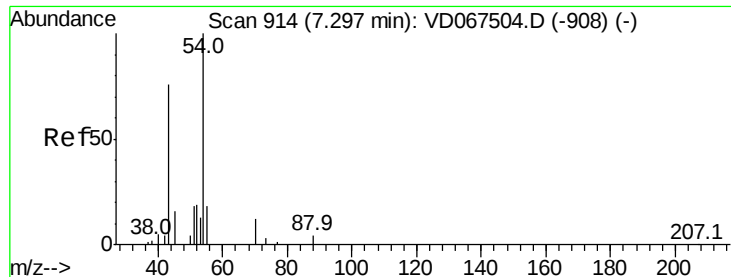
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	80.0	120.0
192	21.4	16.3	24.5



#36
 1,1-Dichloropropene
 Concen: 20.403 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD067632.D
 Acq: 16 Nov 2020 11:18

Tgt Ion	Ratio	Lower	Upper
75	100		
110	40.4	19.9	59.7
77	31.8	24.8	37.2





#37

Ethyl Acetate

Concen: 20.790 ug/l

RT: 7.29 min Scan# 913

Delta R.T. -0.01 min

Lab File: VD067632.D

Acq: 16 Nov 2020 11:18

Instrument :

MSVOA_D

ClientSampleId :

VD1116SBS01

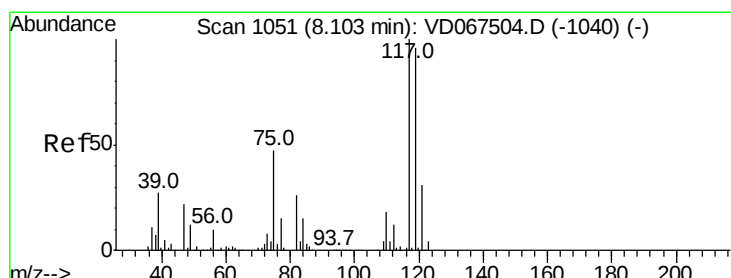
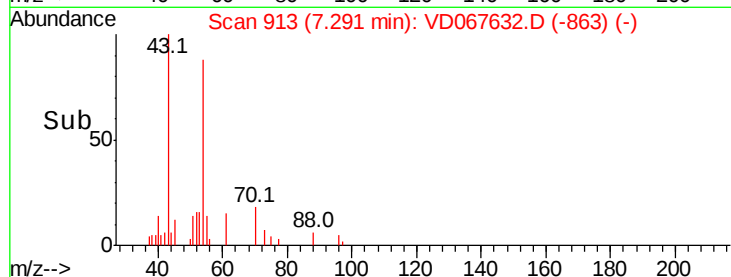
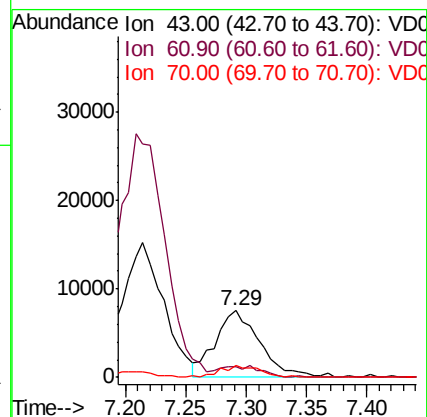
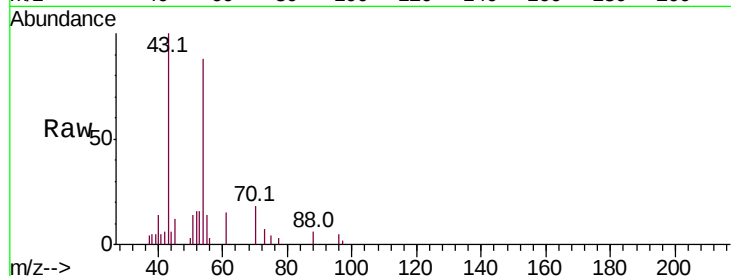
Tot Ion: 43 Resp: 19444

Ion Ratio Lower Upper

43 100

61 14.6 12.8 19.2

70 15.8 11.7 17.5



#38

Carbon Tetrachloride

Concen: 21.937 ug/l

RT: 8.10 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VD067632.D

Acq: 16 Nov 2020 11:18

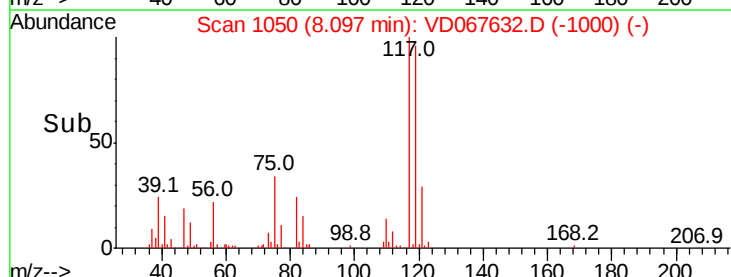
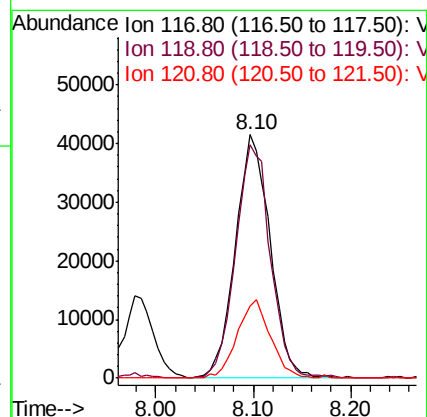
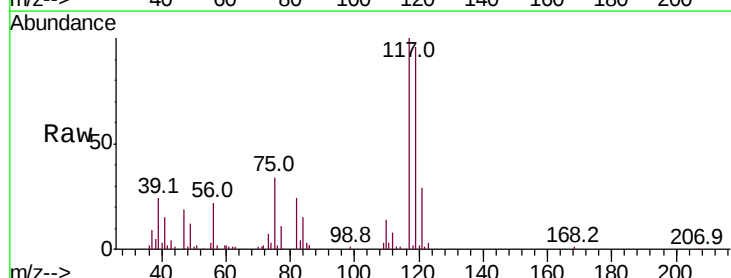
Tgt Ion: 117 Resp: 102675

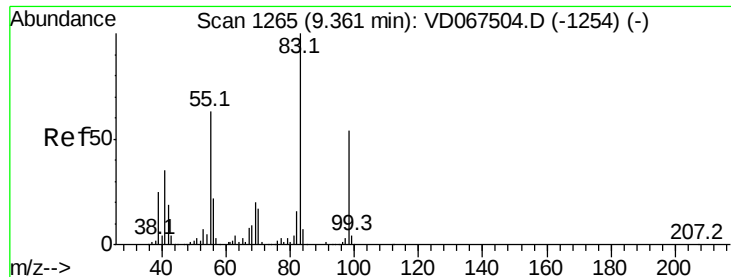
Ion Ratio Lower Upper

117 100

119 95.8 76.9 115.3

121 29.4 24.5 36.7

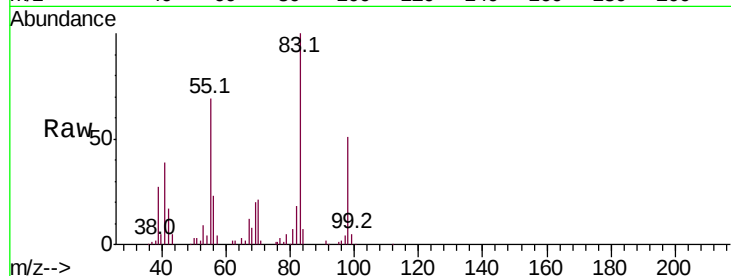




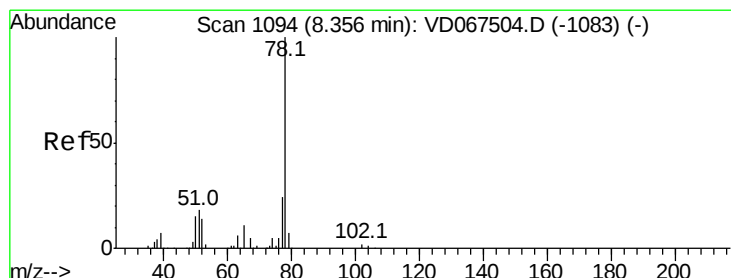
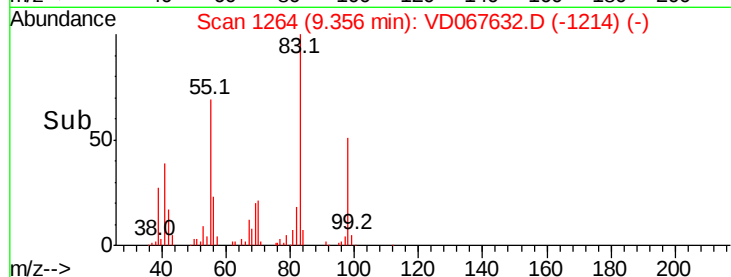
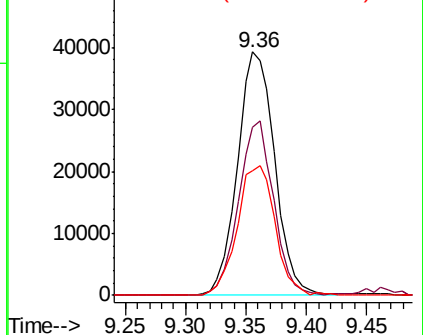
#39
Methvlcvclohexane
Concen: 19.953 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD067632.D
Acq: 16 Nov 2020 11:18

Instrument :
MSVOA_D
ClientSampleId :
VD1116SBS01

Tot Ion: 83 Resp: 84602
Ion Ratio Lower Upper
83 100
55 69.1 50.5 75.7
98 51.4 43.4 65.0

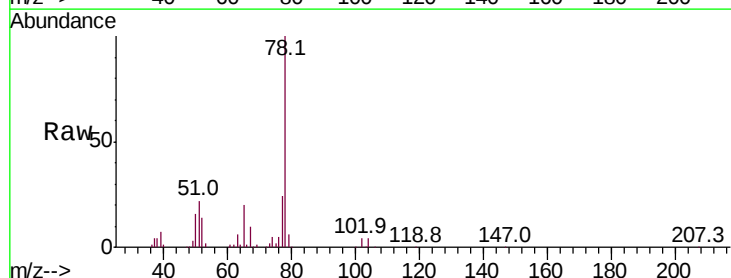


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

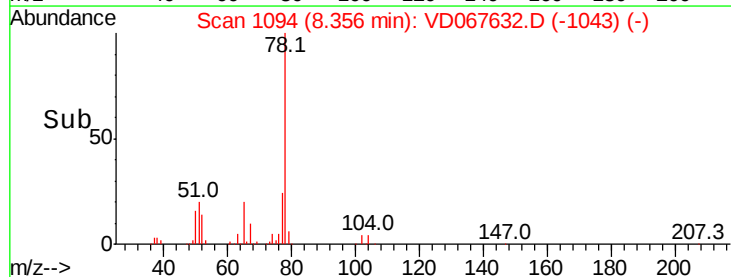
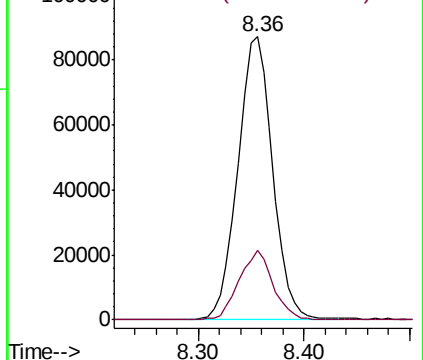


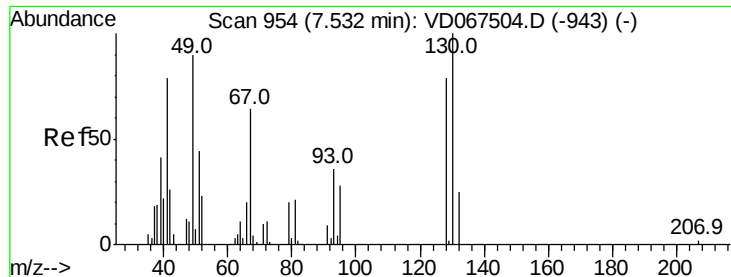
#40
Benzene
Concen: 20.427 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD067632.D
Acq: 16 Nov 2020 11:18

Tgt Ion: 78 Resp: 199328
Ion Ratio Lower Upper
78 100
77 24.5 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VDC
Ion 77.00 (76.70 to 77.70): VDC

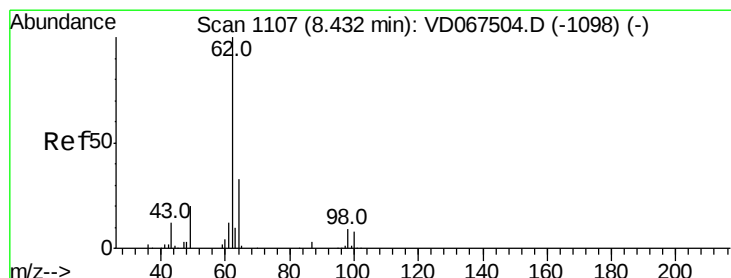
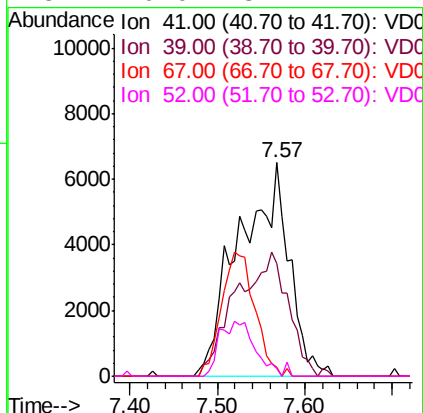
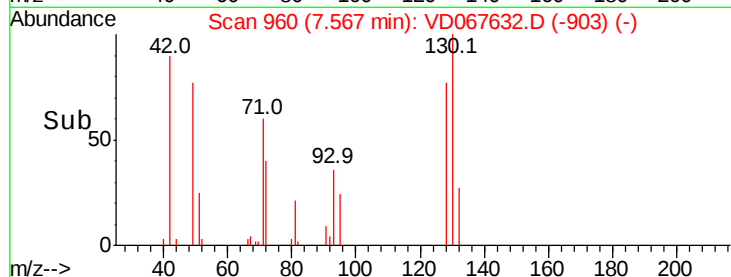
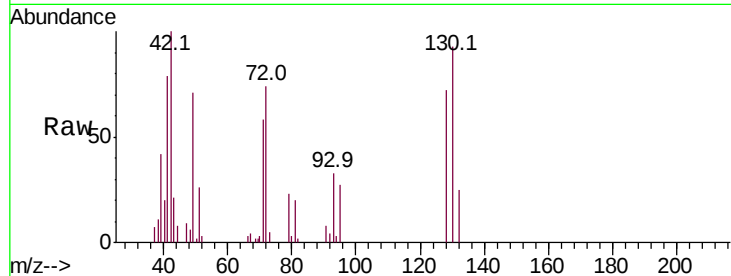




#41
Methacrylonitrile
Concen: 45.563 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.04 min
Lab File: VD067632.D
Acq: 16 Nov 2020 11:18

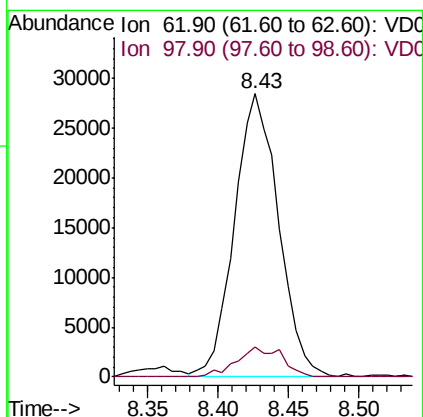
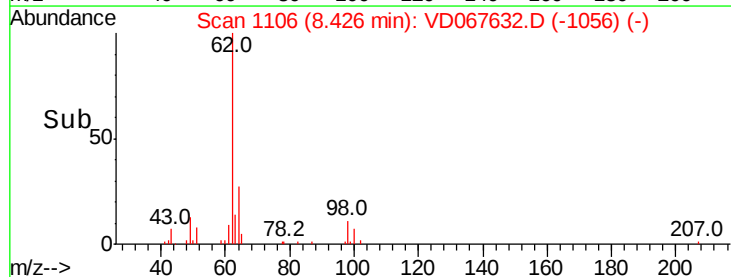
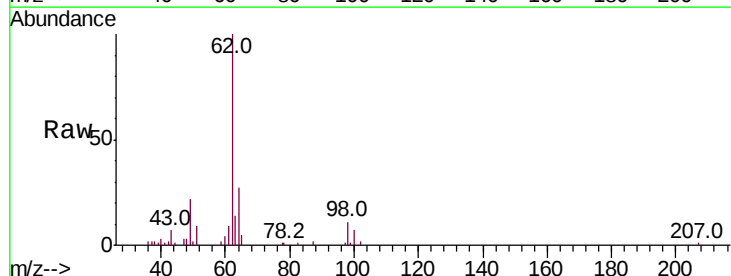
Instrument :
MSVOA_D
ClientSampleId :
VD1116SBS01

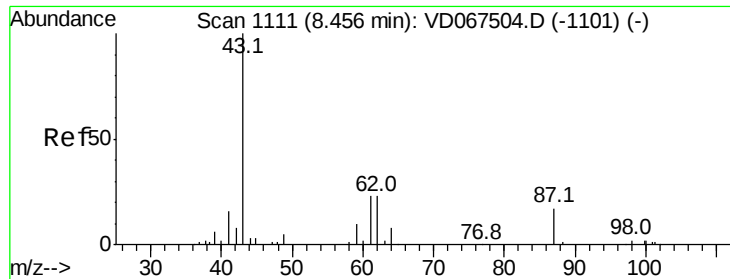
Tot Ion: 41 Resp: 25472
Ion Ratio Lower Upper
41 100
39 0.0 51.3 76.9#
67 0.0 78.9 118.3#
52 0.0 31.4 47.2#



#42
1,2-Dichloroethane
Concen: 20.673 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD067632.D
Acq: 16 Nov 2020 11:18

Tgt Ion: 62 Resp: 62327
Ion Ratio Lower Upper
62 100
98 10.7 0.0 19.8





#43

Isopropyl Acetate

Concen: 18.931 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD067632.D

Acq: 16 Nov 2020 11:18

Instrument :

MSVOA_D

ClientSampleId :

VD1116SBS01

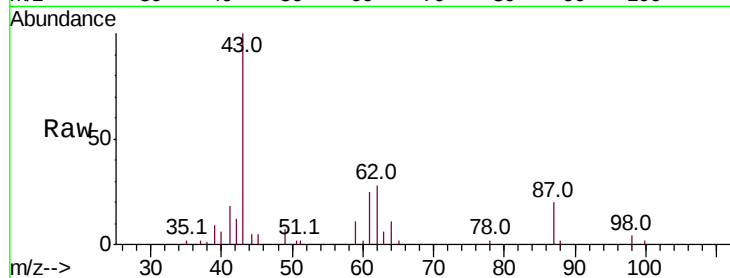
Tot Ion: 43 Resp: 35015

Ion Ratio Lower Upper

43 100

61 39.1 30.5 45.7

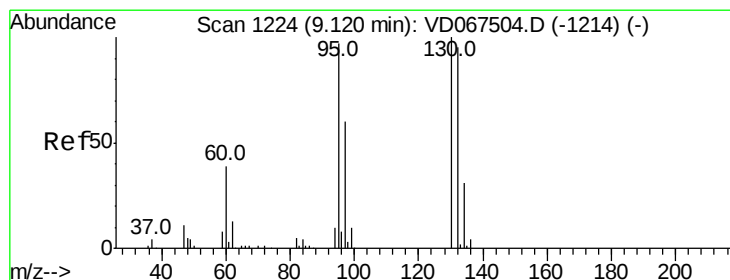
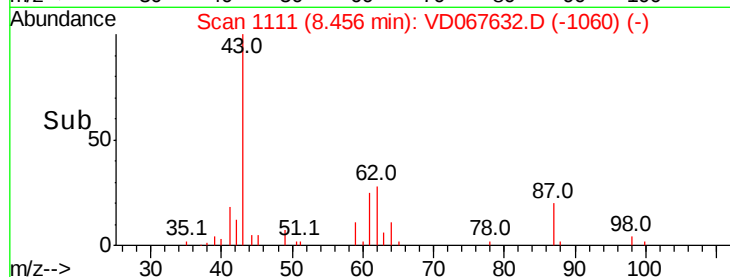
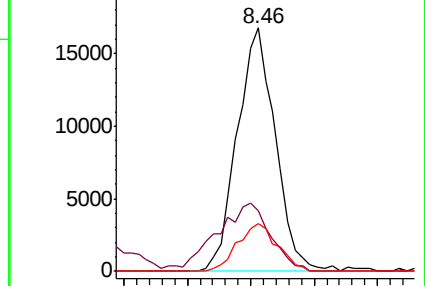
87 20.3 14.7 22.1



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: 20.045 ug/l

RT: 9.12 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VD067632.D

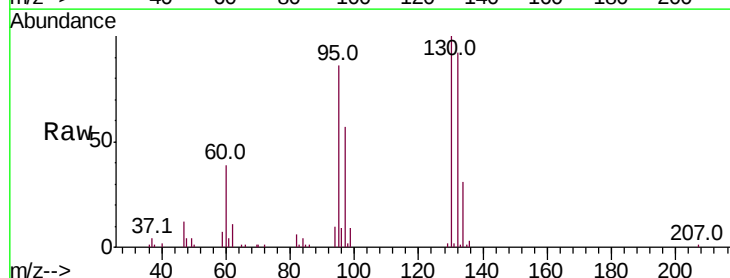
Acq: 16 Nov 2020 11:18

Tgt Ion:130 Resp: 64316

Ion Ratio Lower Upper

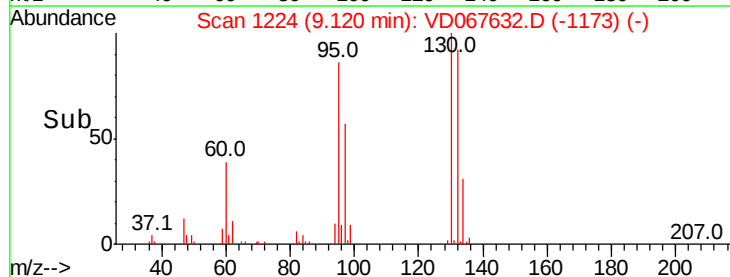
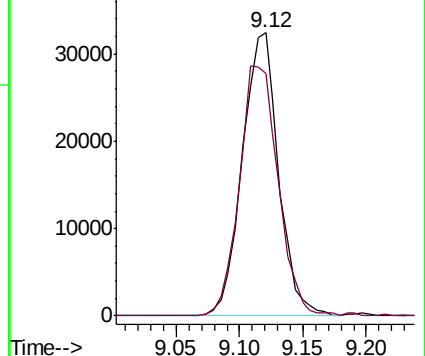
130 100

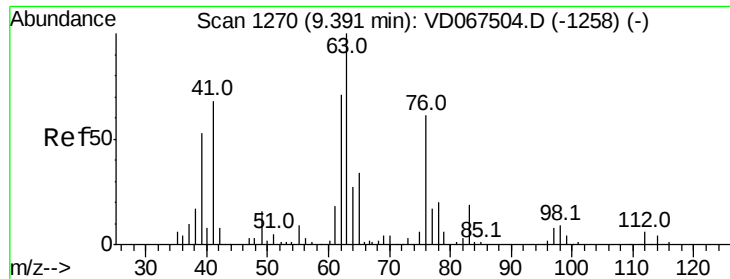
95 85.6 0.0 194.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 19.903 ug/l

RT: 9.40 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VD067632.D

Acq: 16 Nov 2020 11:18

Instrument :

MSVOA_D

ClientSampleId :

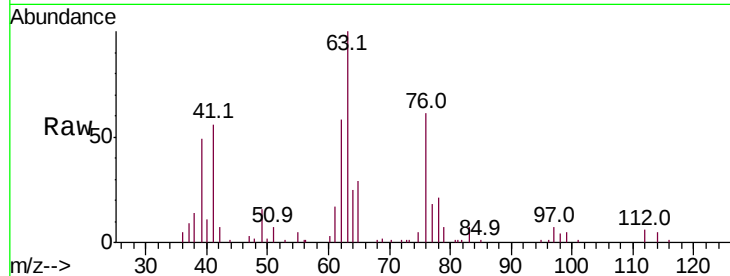
VD1116SBS01

Tot Ion: 63 Resp: 41990

Ion Ratio Lower Upper

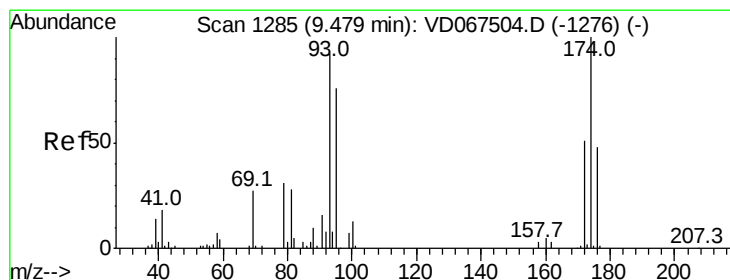
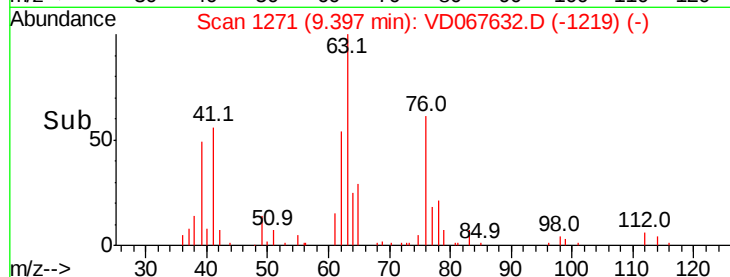
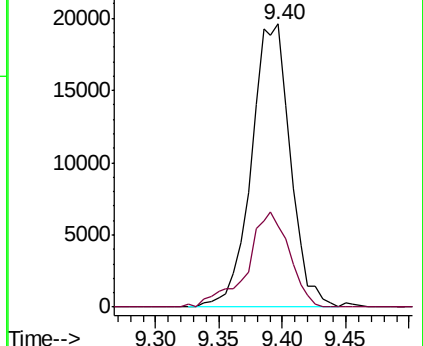
63 100

65 28.8 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: 20.780 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD067632.D

Acq: 16 Nov 2020 11:18

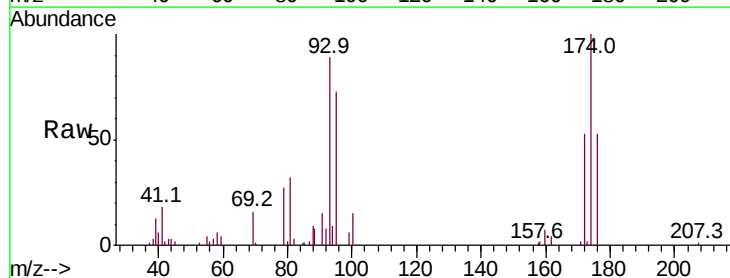
Tgt Ion: 93 Resp: 27876

Ion Ratio Lower Upper

93 100

95 78.2 66.4 99.6

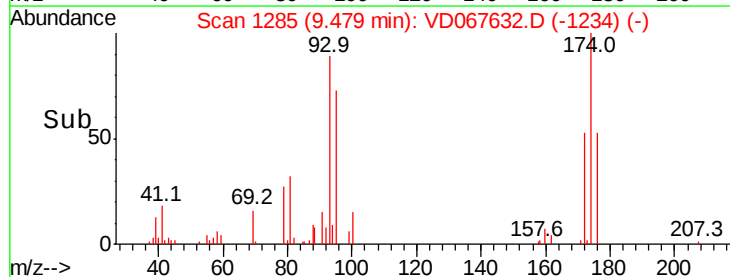
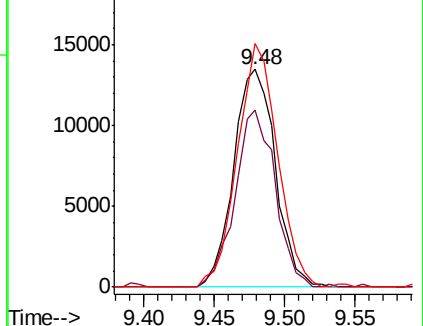
174 108.1 88.2 132.4

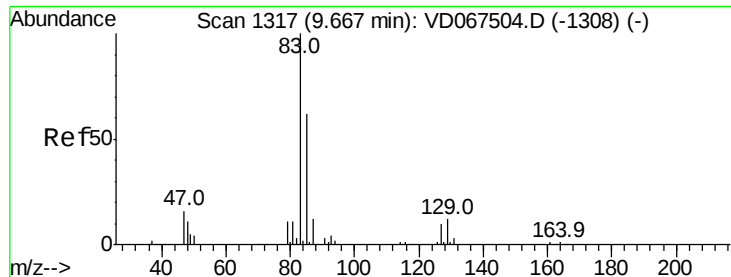


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.343 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD067632.D

Acq: 16 Nov 2020 11:18

Instrument :

MSVOA_D

ClientSampleId :

VD1116SBS01

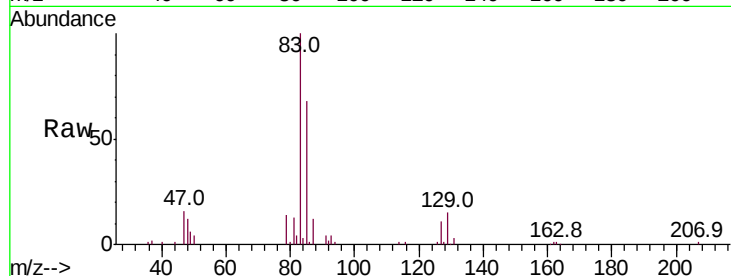
Tot Ion: 83 Resp: 74171

Ion Ratio Lower Upper

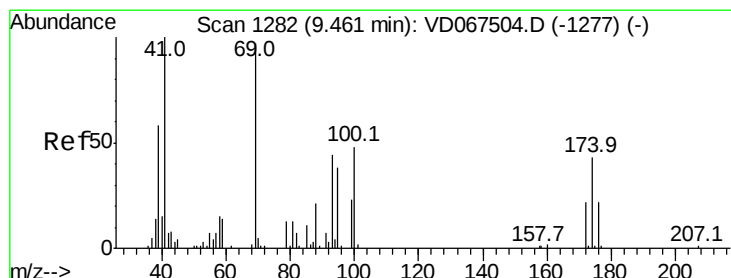
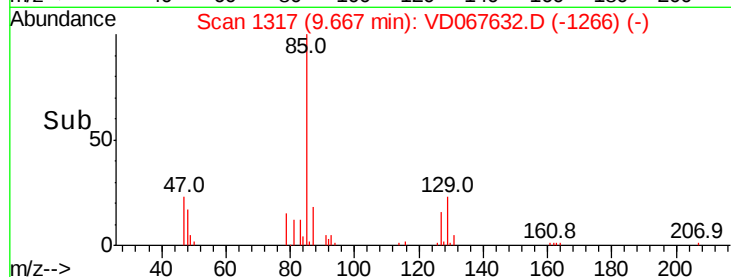
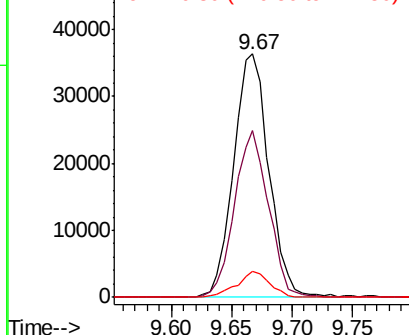
83 100

85 68.3 49.4 74.2

127 10.7 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: 18.731 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD067632.D

Acq: 16 Nov 2020 11:18

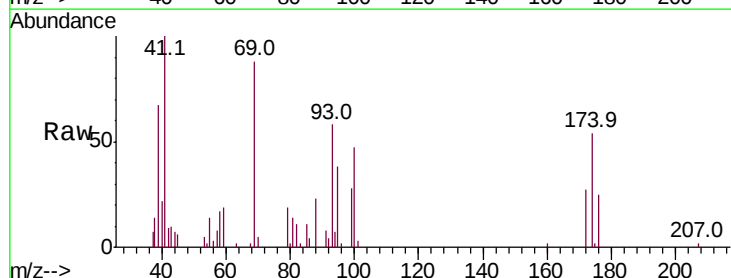
Tgt Ion: 41 Resp: 17888

Ion Ratio Lower Upper

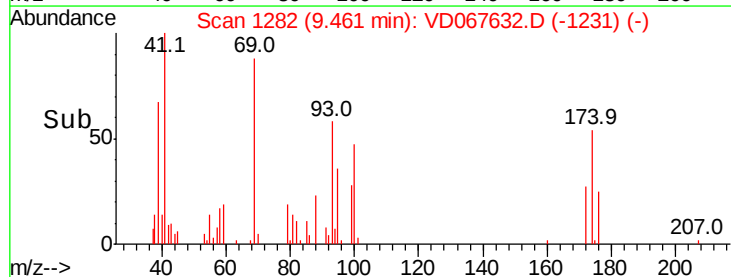
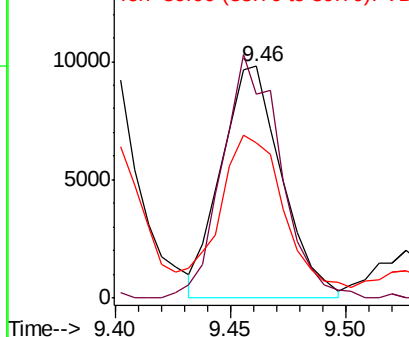
41 100

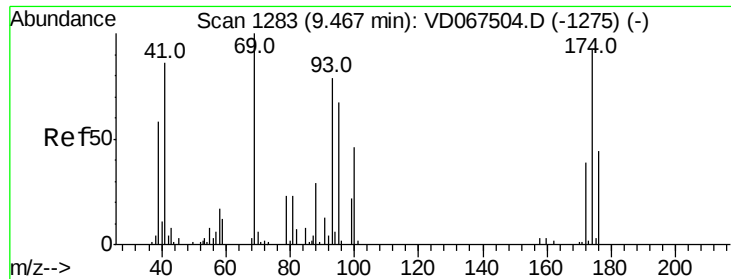
69 101.2 80.6 121.0

39 66.8 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

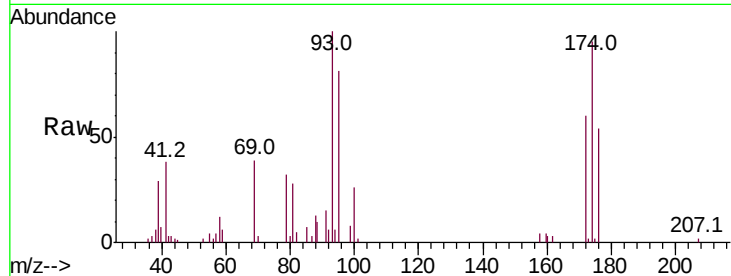




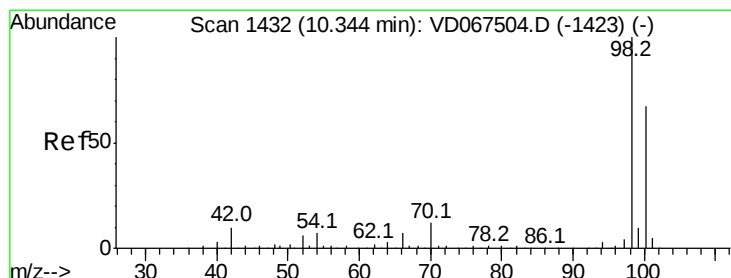
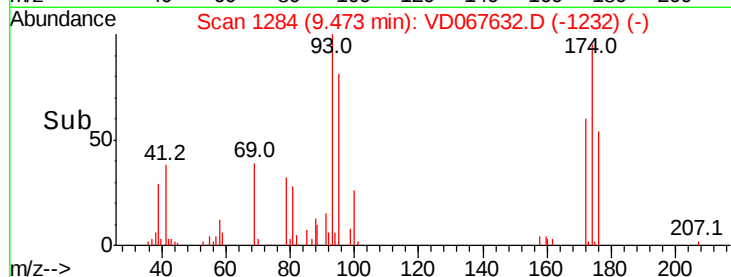
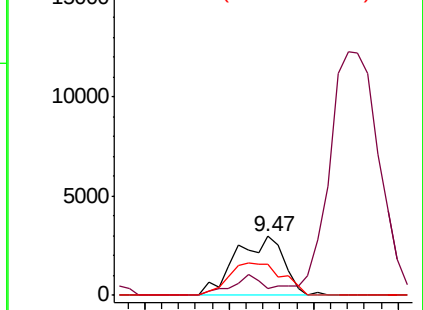
#49
 1,4-Dioxane
 Concen: 434.351 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. 0.01 min
 Lab File: VD067632.D
 Acq: 16 Nov 2020 11:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1116SBS01

Tot Ion: 88 Resp: 5915
 Ion Ratio Lower Upper
 88 100
 43 27.2 23.6 35.4
 58 60.9 44.7 67.1

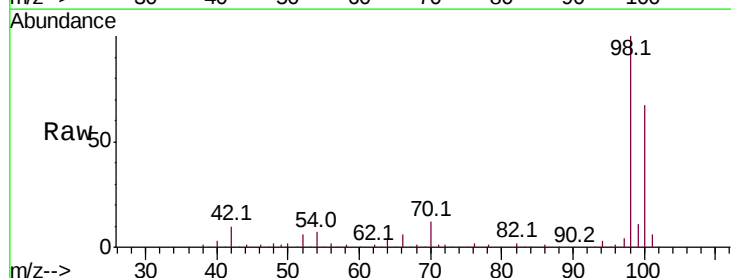


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.00 (42.70 to 43.70): VDC
 Ion 58.00 (57.70 to 58.70): VDC

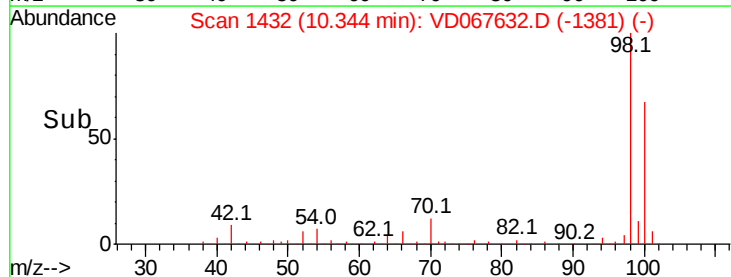
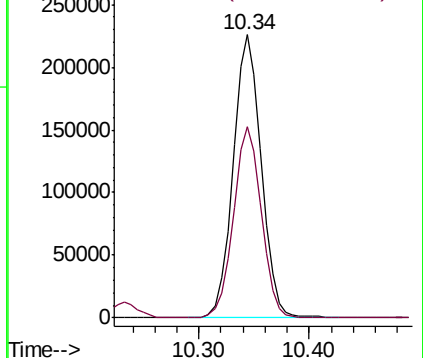


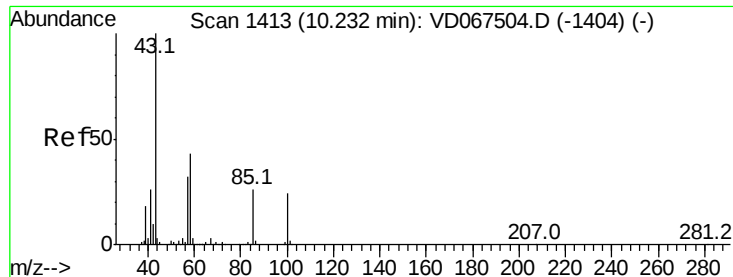
#50
 Toluene-d8
 Concen: 45.277 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: VD067632.D
 Acq: 16 Nov 2020 11:18

Tgt Ion: 98 Resp: 403449
 Ion Ratio Lower Upper
 98 100
 100 66.9 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: 96.378 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067632.D

Acq: 16 Nov 2020 11:18

Instrument :

MSVOA_D

ClientSampleId :

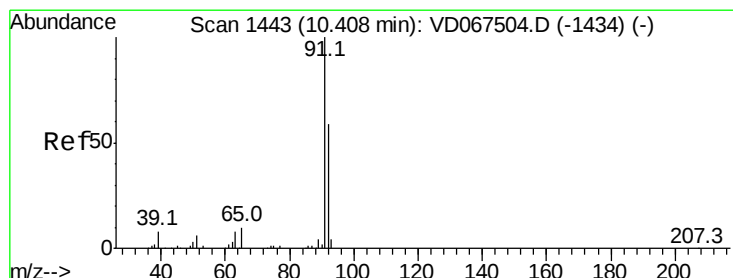
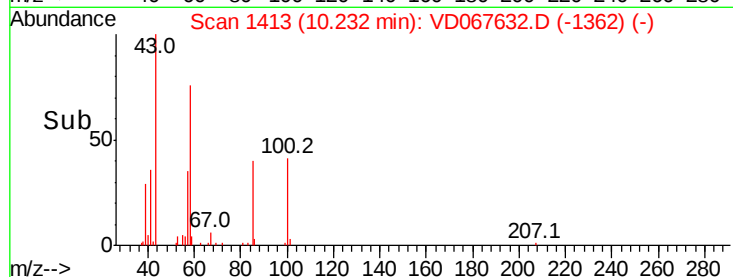
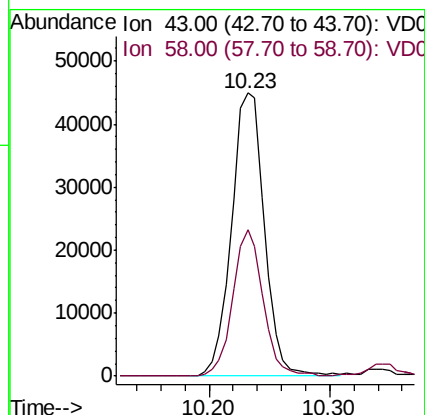
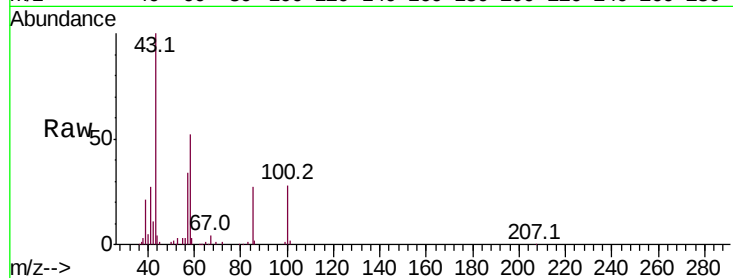
VD1116SBS01

Tot Ion: 43 Resp: 85256

Ion Ratio Lower Upper

43 100

58 47.5 35.6 53.4



#52

Toluene

Concen: 21.788 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067632.D

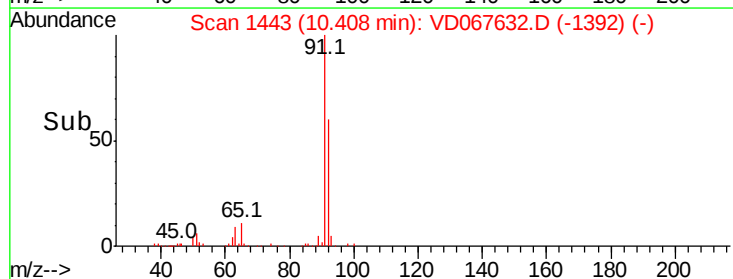
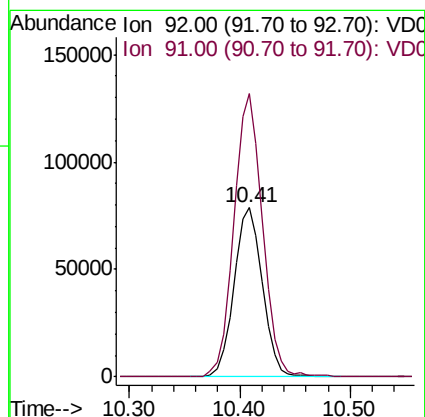
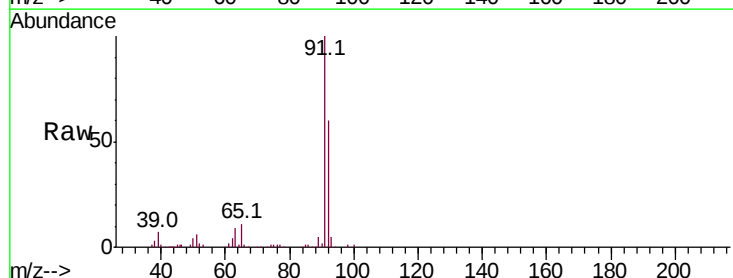
Acq: 16 Nov 2020 11:18

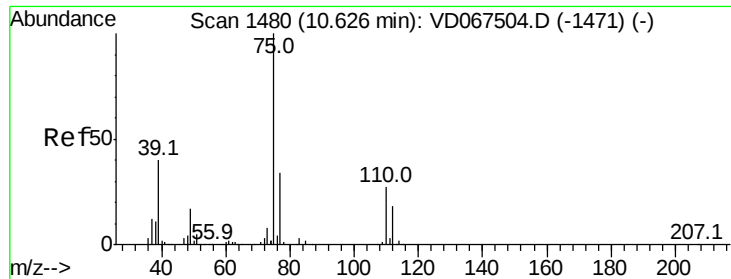
Tgt Ion: 92 Resp: 142407

Ion Ratio Lower Upper

92 100

91 168.0 137.0 205.6





#53

t-1,3-Dichloropropene

Concen: 20.533 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD067632.D

Acq: 16 Nov 2020 11:18

Instrument :

MSVOA_D

ClientSampleId :

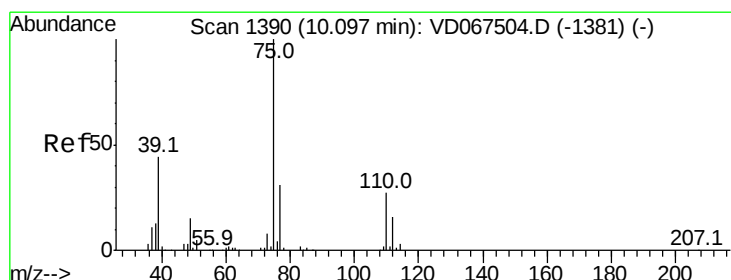
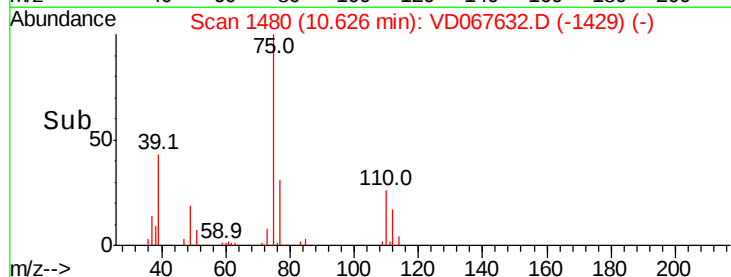
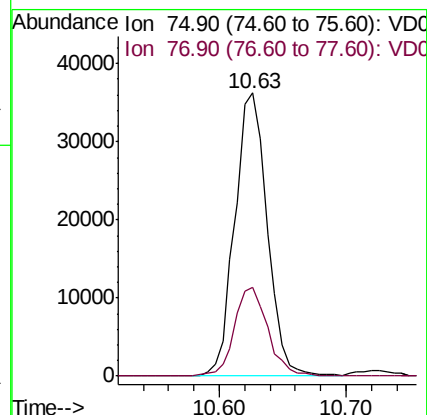
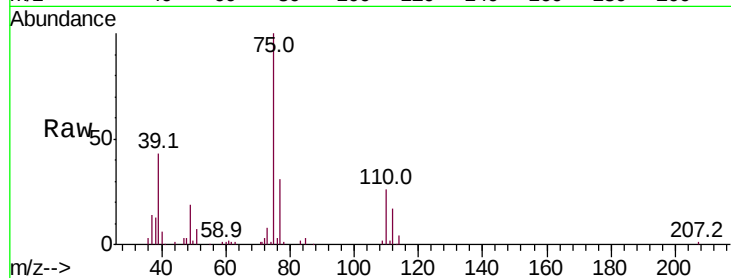
VD1116SBS01

Tot Ion: 75 Resp: 64118

Ion Ratio Lower Upper

75 100

77 31.2 27.0 40.6



#54

cis-1,3-Dichloropropene

Concen: 19.789 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD067632.D

Acq: 16 Nov 2020 11:18

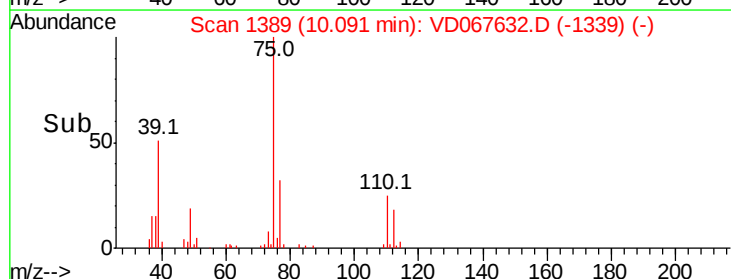
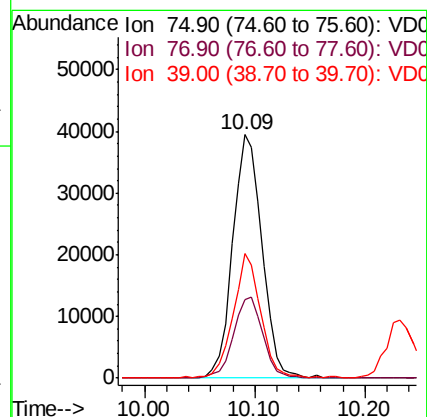
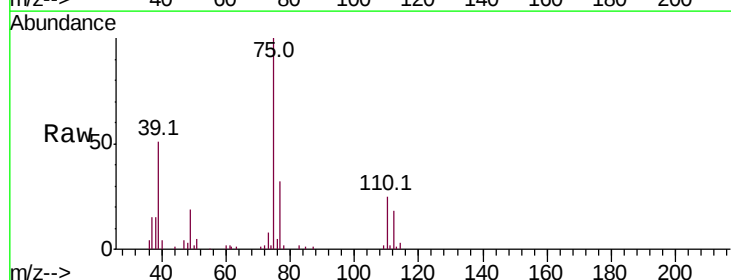
Tgt Ion: 75 Resp: 73419

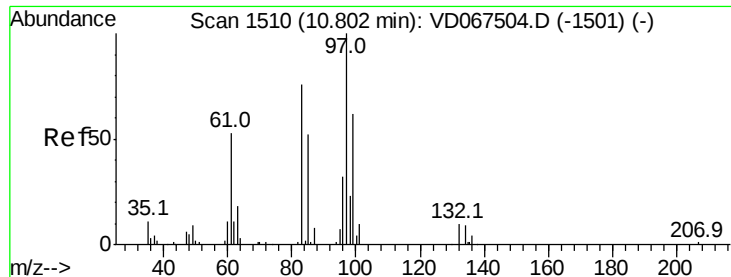
Ion Ratio Lower Upper

75 100

77 32.2 24.4 36.6

39 51.2 35.6 53.4

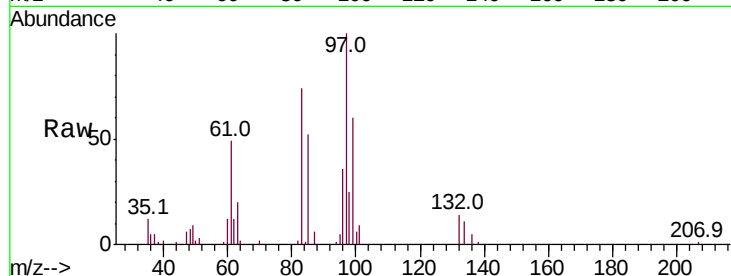




#55
 1,1,2-Trichloroethane
 Concen: 20.832 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD067632.D
 Acq: 16 Nov 2020 11:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1116SBS01

Tot Ion:	97	Resp:	36975
Ion	Ratio	Lower	Upper
97	100		
83	73.7	61.0	91.6
85	51.7	41.5	62.3
99	60.5	49.4	74.2



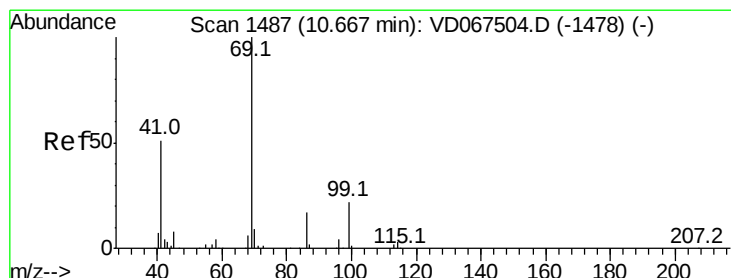
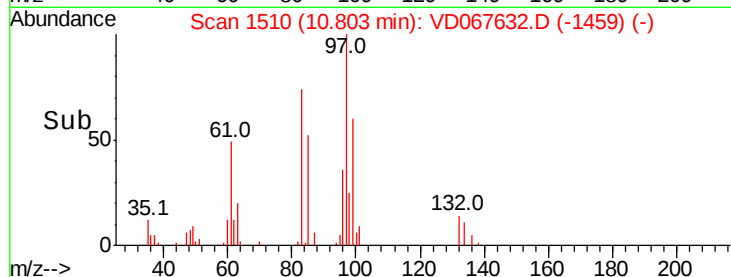
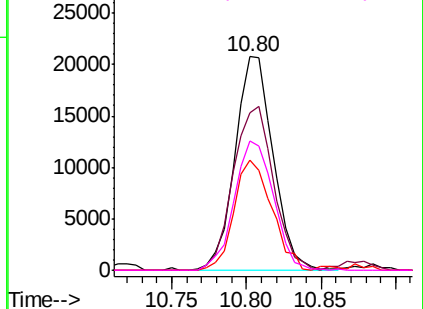
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

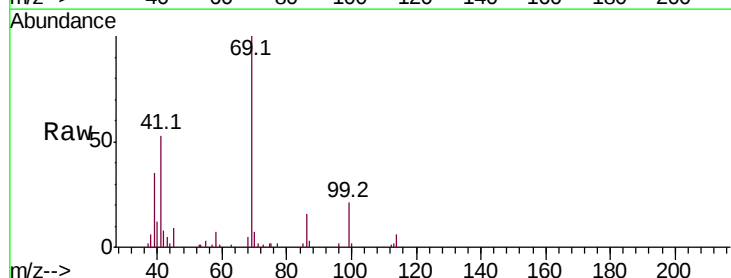
Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56
 Ethyl methacrylate
 Concen: 19.234 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VD067632.D
 Acq: 16 Nov 2020 11:18

Tgt Ion:	69	Resp:	35254
Ion	Ratio	Lower	Upper
69	100		
41	57.2	45.4	68.0
39	35.0	27.4	41.0

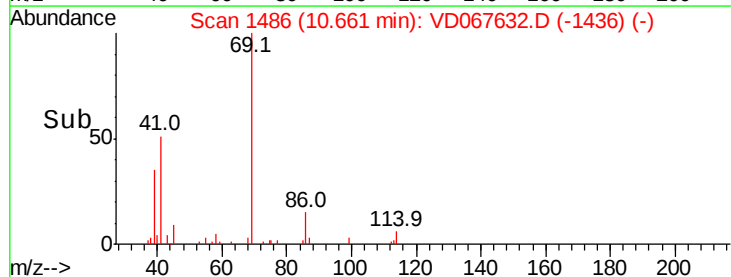
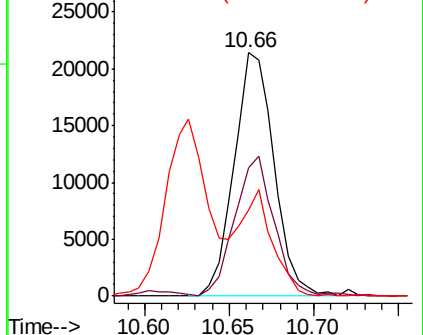


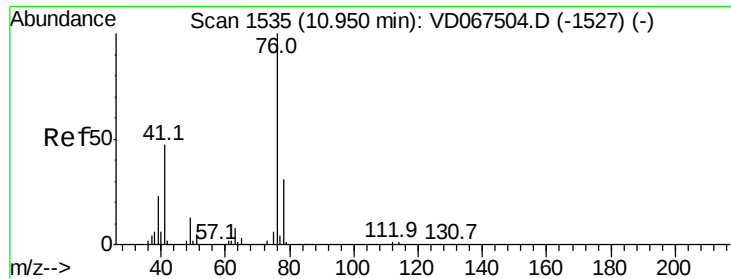
Abundance

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

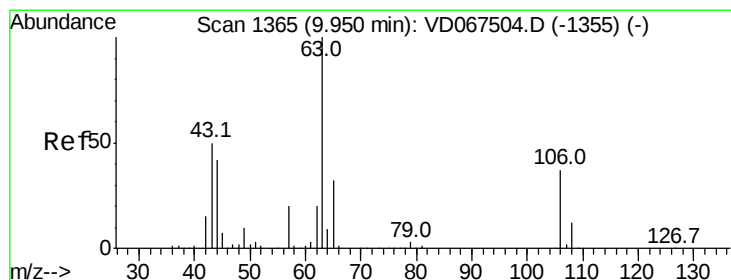
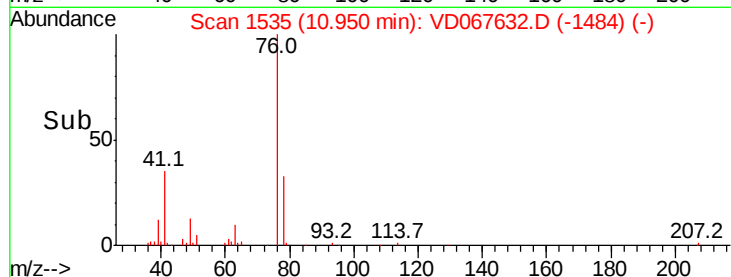
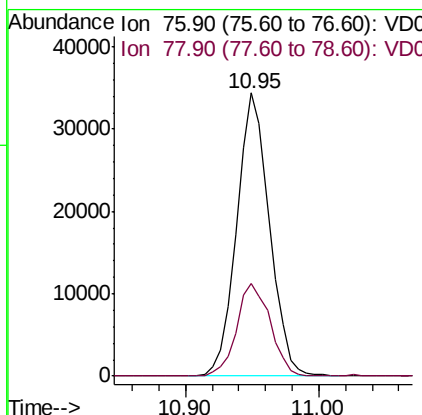
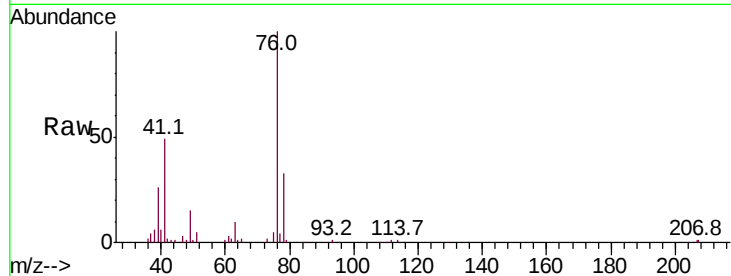




#57
 1,3-Dichloropropane
 Concen: 20.372 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD067632.D
 Acq: 16 Nov 2020 11:18

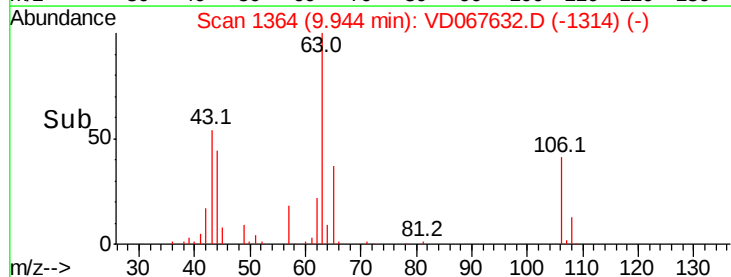
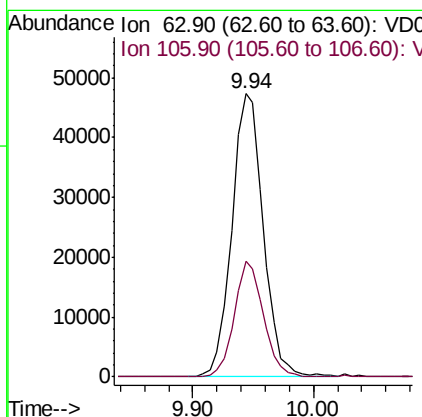
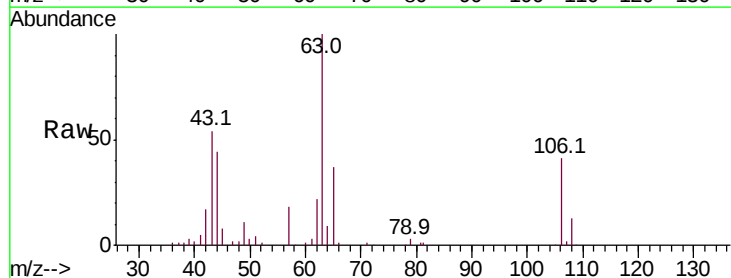
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1116SBS01

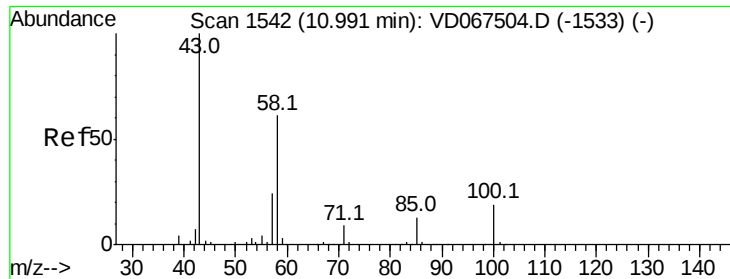
Tot Ion: 76 Resp: 58185
 Ion Ratio Lower Upper
 76 100
 78 33.5 26.1 39.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 99.914 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VD067632.D
 Acq: 16 Nov 2020 11:18

Tgt Ion: 63 Resp: 85399
 Ion Ratio Lower Upper
 63 100
 106 38.1 29.2 43.8

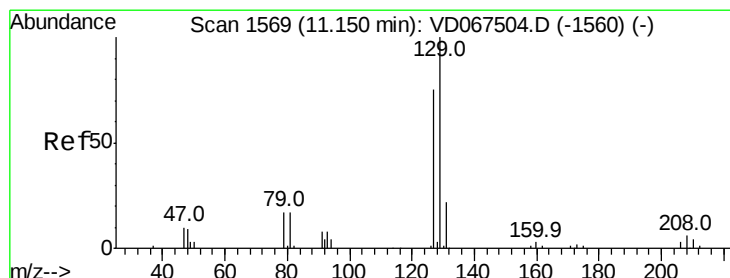
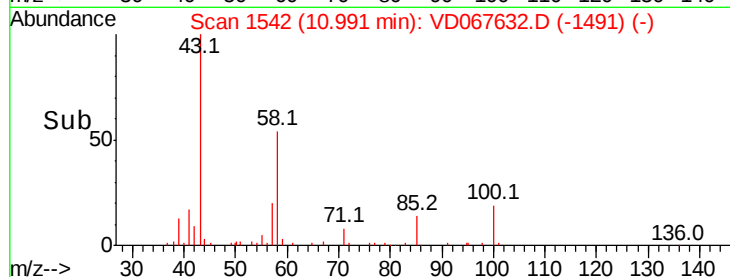
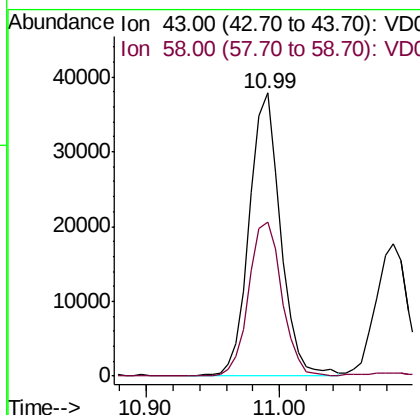
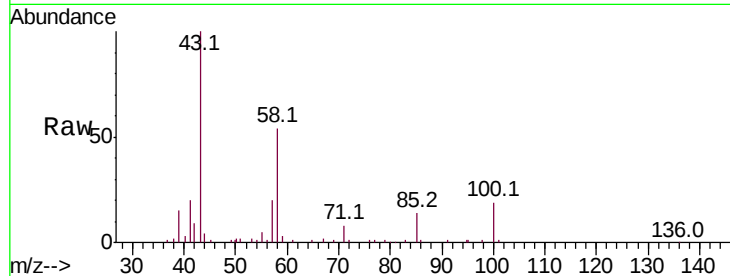




#59
2-Hexanone
Concen: 98.743 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067632.D
Acq: 16 Nov 2020 11:18

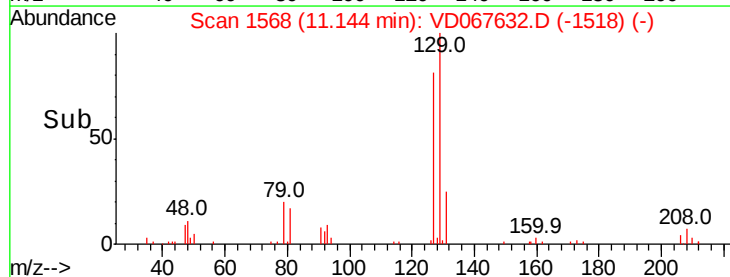
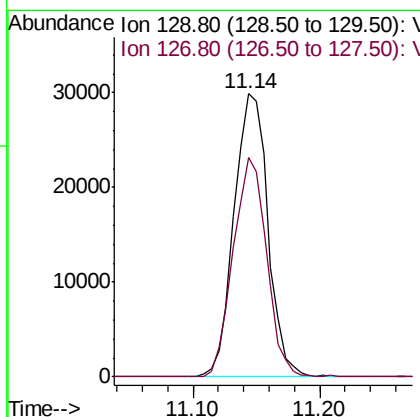
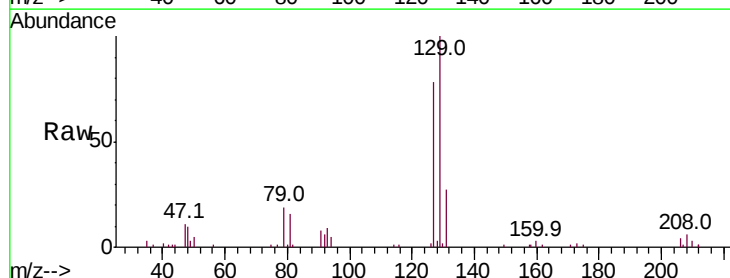
Instrument :
MSVOA_D
ClientSampleId :
VD1116SBS01

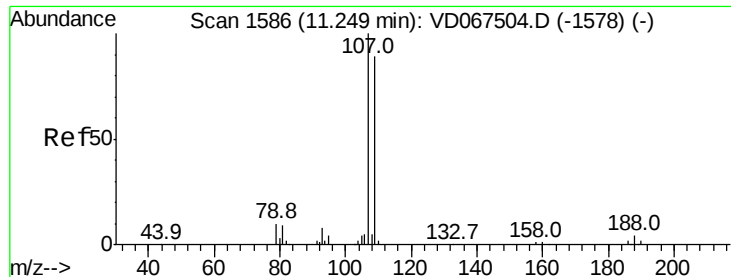
Tot Ion: 43 Resp: 61074
Ion Ratio Lower Upper
43 100
58 57.4 30.3 90.9



#60
Dibromochloromethane
Concen: 21.048 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.01 min
Lab File: VD067632.D
Acq: 16 Nov 2020 11:18

Tgt Ion: 129 Resp: 55264
Ion Ratio Lower Upper
129 100
127 76.2 38.0 114.1

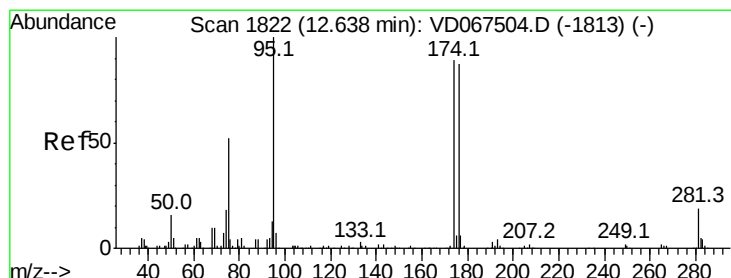
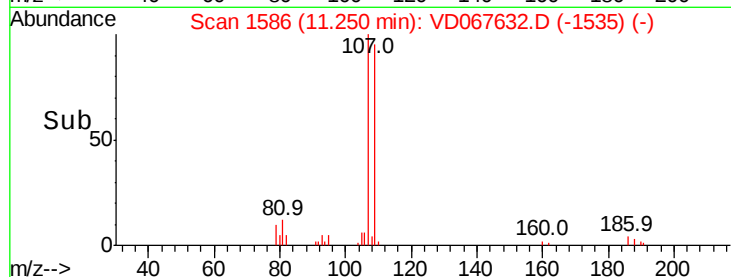
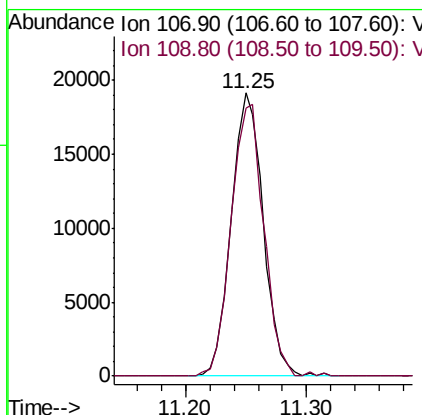
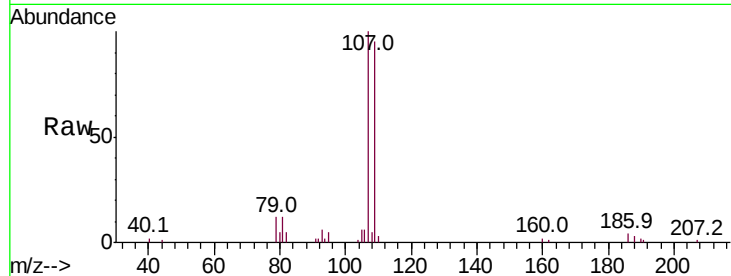




#61
 1,2-Dibromoethane
 Concen: 19.772 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067632.D
 Acq: 16 Nov 2020 11:18

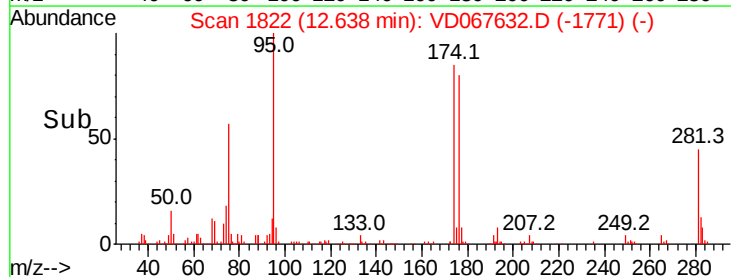
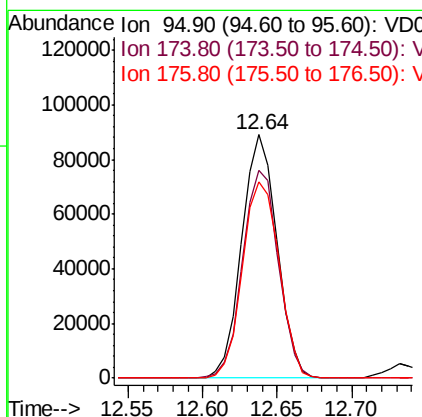
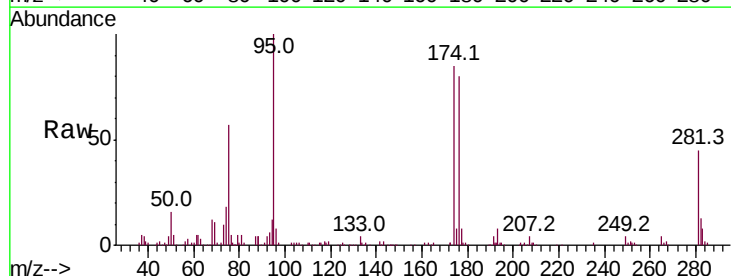
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1116SBS01

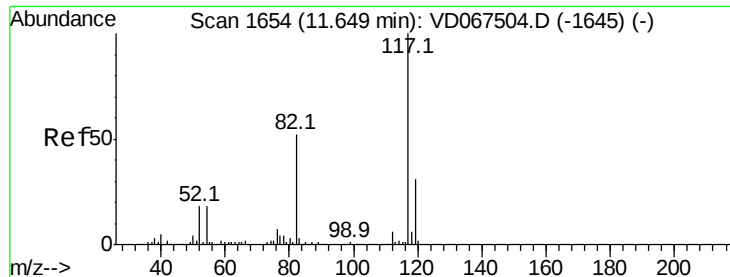
Tot Ion:107 Resp: 35221
 Ion Ratio Lower Upper
 107 100
 109 98.0 74.6 111.8



#62
 4-Bromofluorobenzene
 Concen: 47.408 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067632.D
 Acq: 16 Nov 2020 11:18

Tgt Ion: 95 Resp: 145847
 Ion Ratio Lower Upper
 95 100
 174 86.5 0.0 177.8
 176 83.7 0.0 172.0

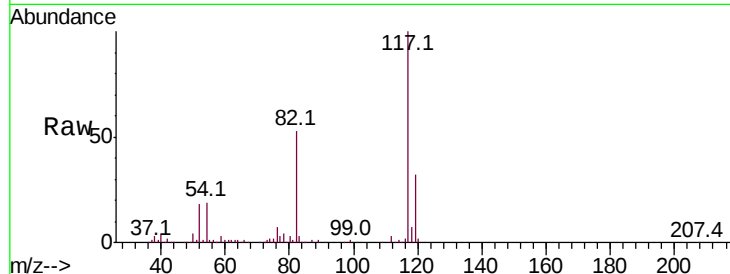




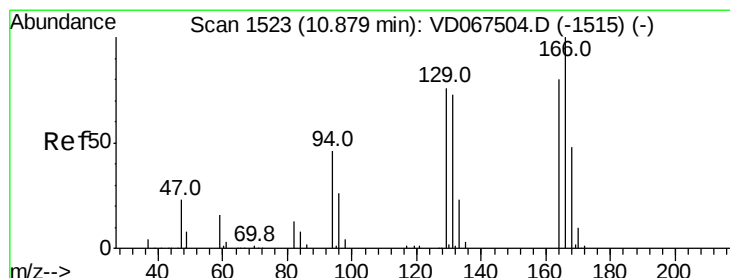
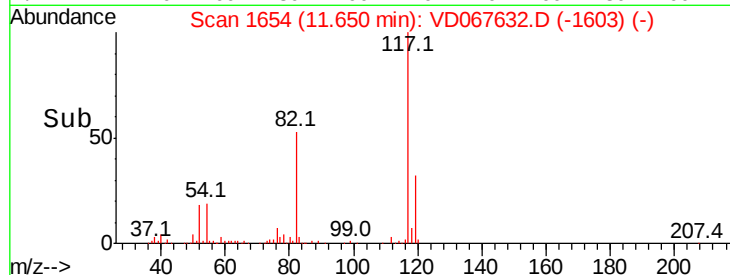
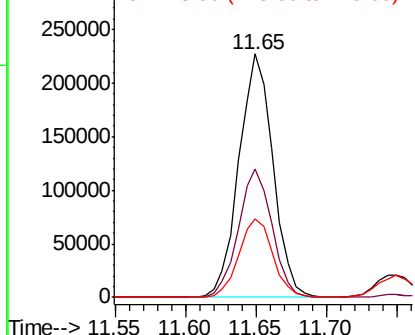
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067632.D
Acq: 16 Nov 2020 11:18

Instrument :
MSVOA_D
ClientSampleId :
VD1116SBS01

Tot Ion:117 Resp: 384514
Ion Ratio Lower Upper
117 100
82 52.7 41.6 62.4
119 32.2 25.1 37.7

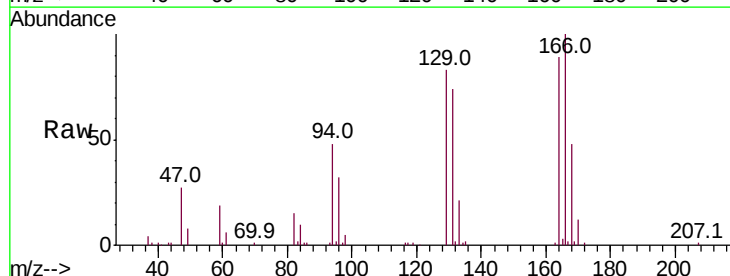


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

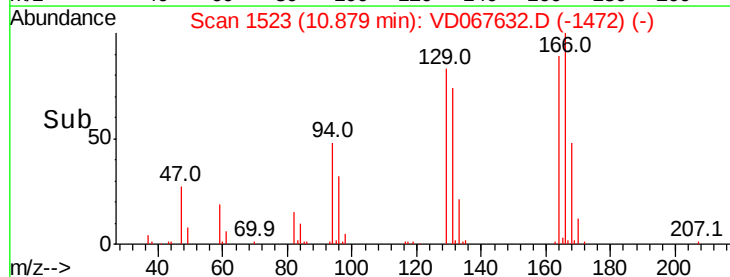
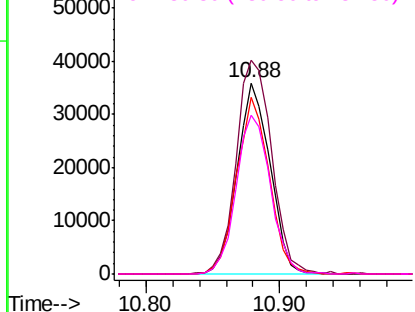


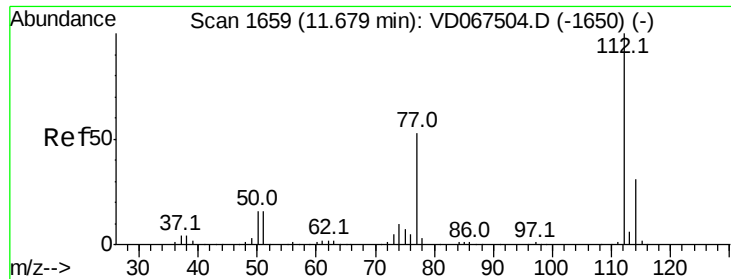
#64
Tetrachloroethene
Concen: 21.501 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067632.D
Acq: 16 Nov 2020 11:18

Tgt Ion:164 Resp: 61227
Ion Ratio Lower Upper
164 100
166 111.8 99.9 149.9
129 92.5 75.5 113.3
131 83.2 73.4 110.0



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

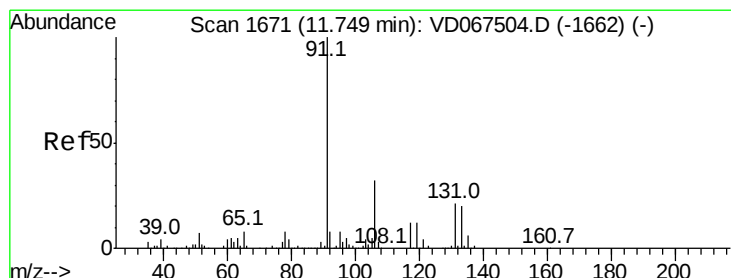
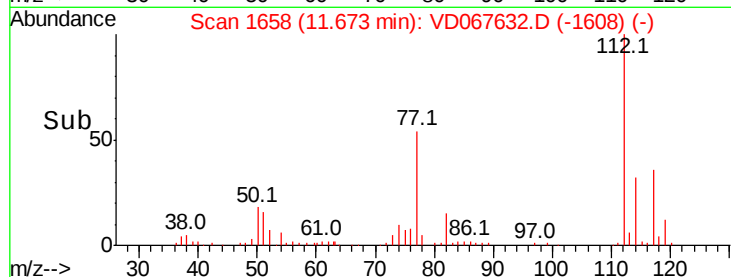
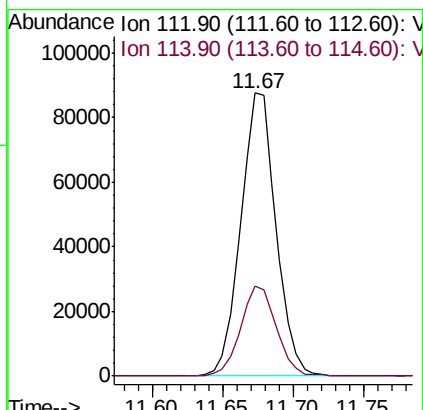
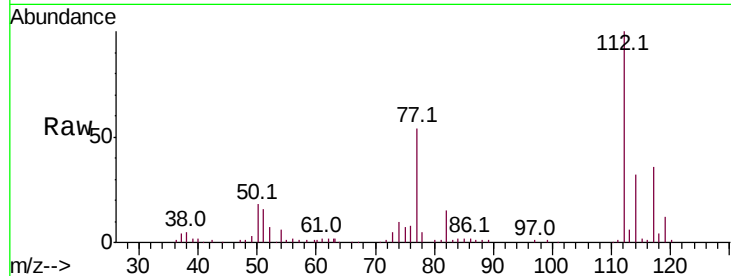




#65
Chlorobenzene
Concen: 20.631 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD067632.D
Acq: 16 Nov 2020 11:18

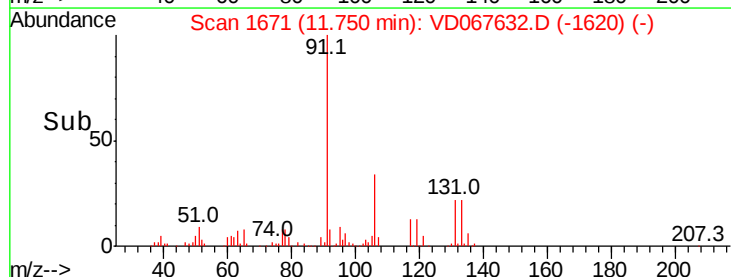
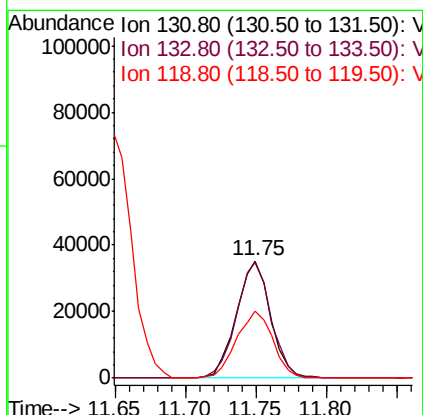
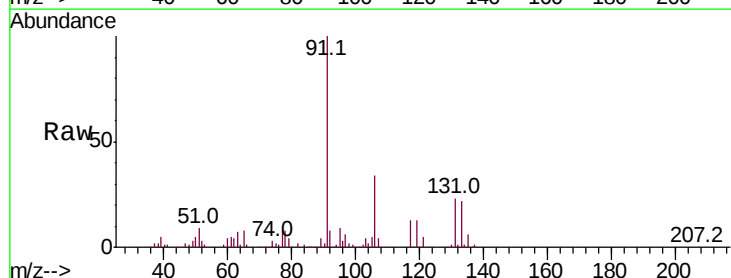
Instrument :
MSVOA_D
ClientSampleId :
VD1116SBS01

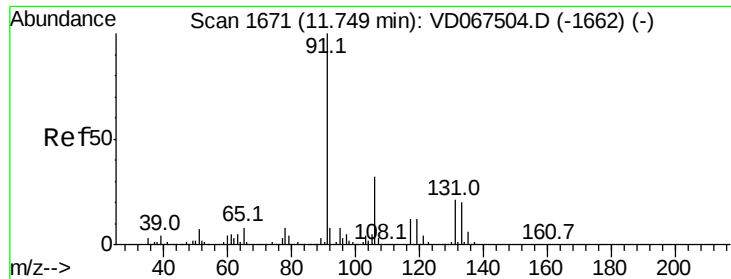
Tot Ion:112 Resp: 152810
Ion Ratio Lower Upper
112 100
114 31.6 24.9 37.3



#66
1,1,1,2-Tetrachloroethane
Concen: 20.400 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067632.D
Acq: 16 Nov 2020 11:18

Tgt Ion:131 Resp: 59554
Ion Ratio Lower Upper
131 100
133 99.5 48.0 144.0
119 61.1 30.1 90.5





#67

Ethyl Benzene

Concen: 20.723 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067632.D

Acq: 16 Nov 2020 11:18

Instrument :

MSVOA_D

ClientSampleId :

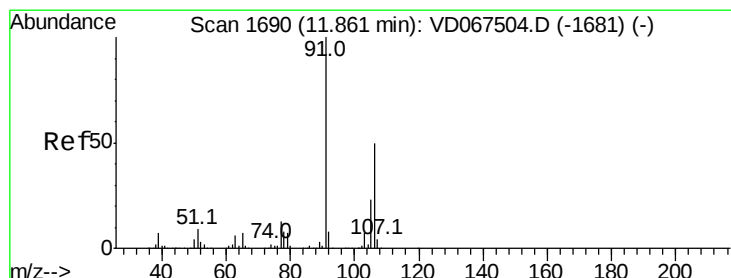
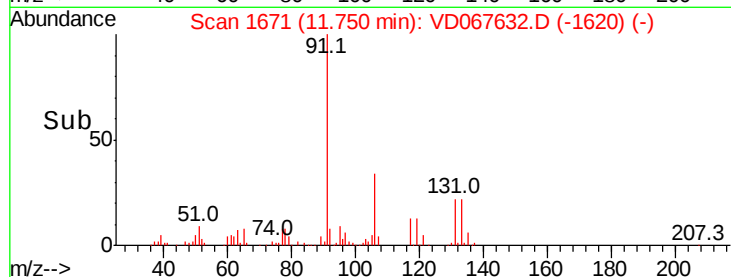
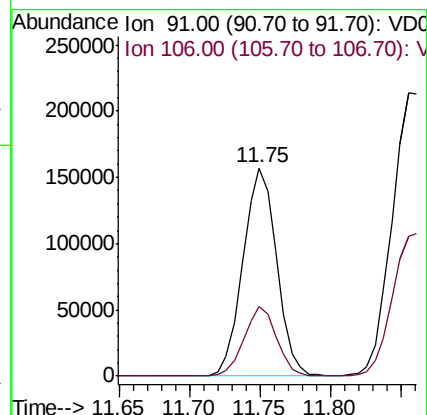
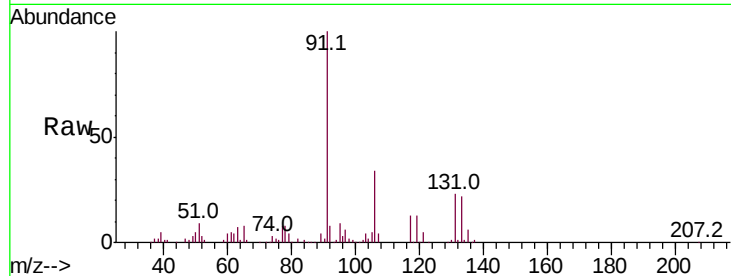
VD1116SBS01

Tot Ion: 91 Resp: 262652

Ion Ratio Lower Upper

91 100

106 33.8 25.7 38.5



#68

m/p-Xylenes

Concen: 42.028 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VD067632.D

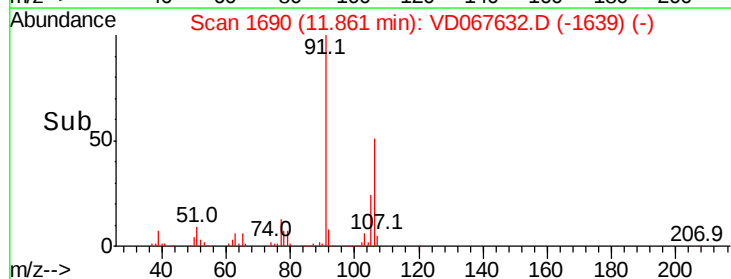
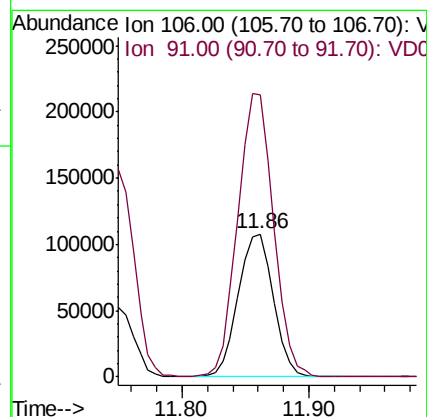
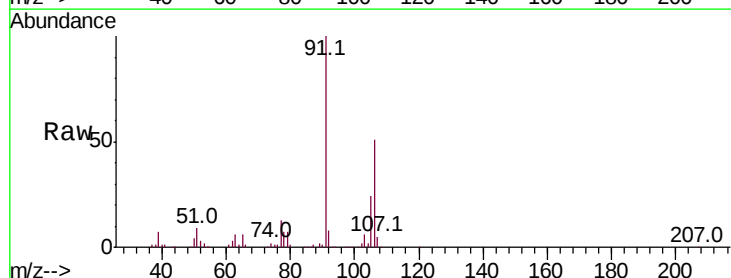
Acq: 16 Nov 2020 11:18

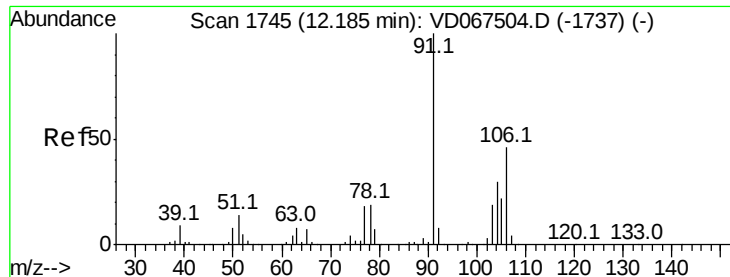
Tgt Ion: 106 Resp: 207237

Ion Ratio Lower Upper

106 100

91 201.9 162.6 244.0

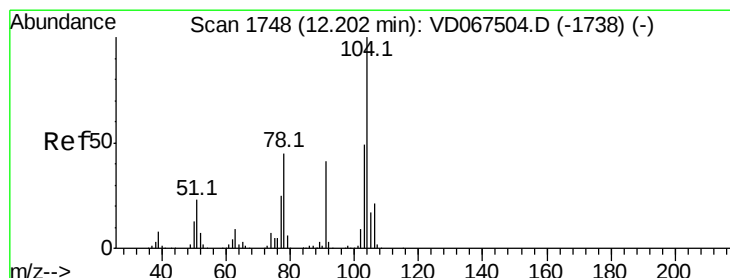
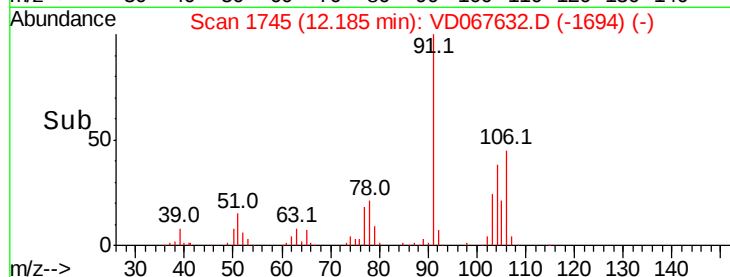
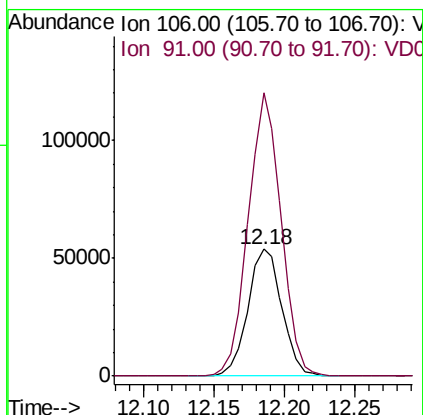
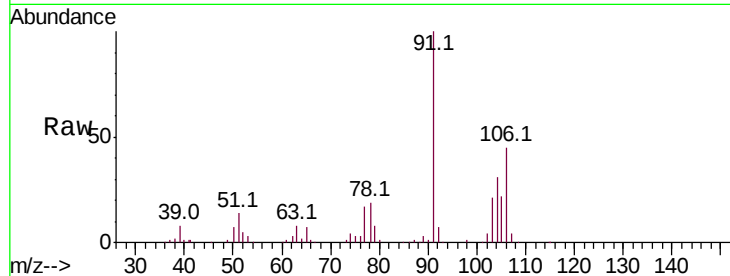




#69
o-Xylene
Concen: 20.697 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067632.D
Acq: 16 Nov 2020 11:18

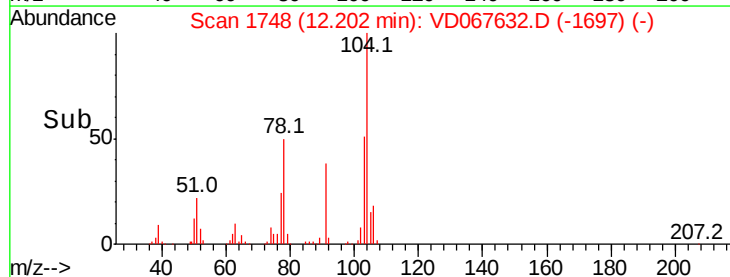
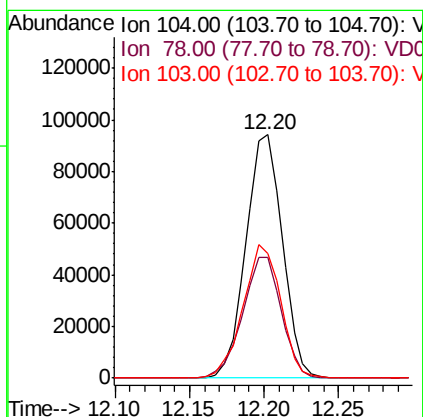
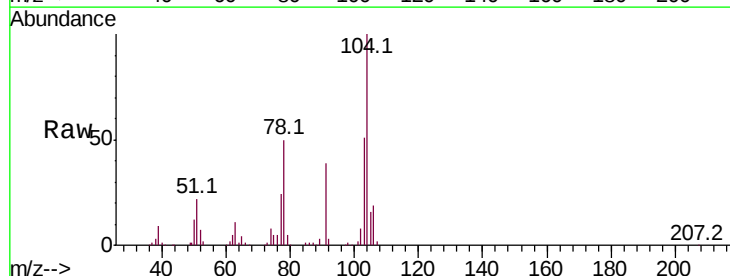
Instrument :
MSVOA_D
ClientSampleId :
VD1116SBS01

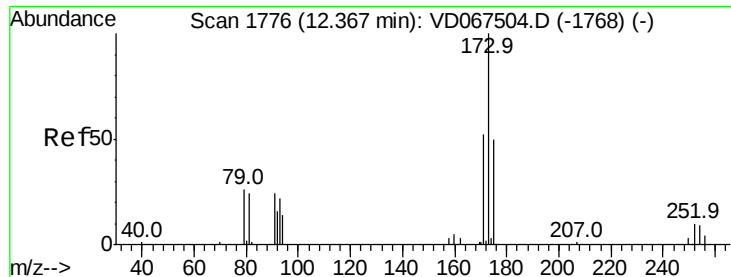
Tot Ion:106 Resp: 91118
Ion Ratio Lower Upper
106 100
91 215.5 107.1 321.1



#70
Styrene
Concen: 20.800 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD067632.D
Acq: 16 Nov 2020 11:18

Tgt Ion:104 Resp: 159565
Ion Ratio Lower Upper
104 100
78 52.9 39.8 59.8
103 56.5 43.9 65.9





#71

Bromoform

Concen: 21.041 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD067632.D

Acq: 16 Nov 2020 11:18

Instrument :

MSVOA_D

ClientSampleId :

VD1116SBS01

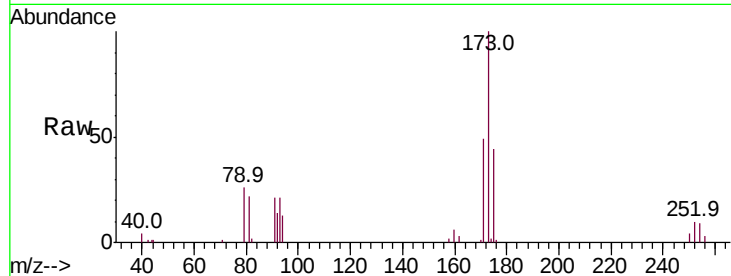
Tot Ion:173 Resp: 31327

Ion Ratio Lower Upper

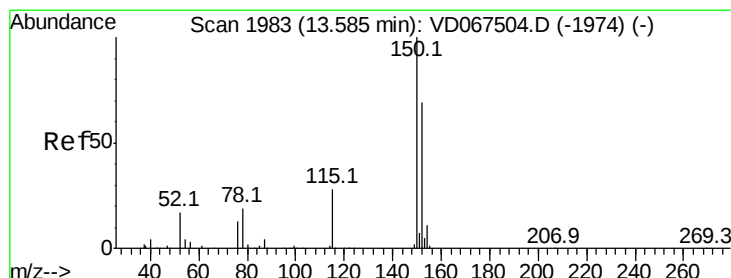
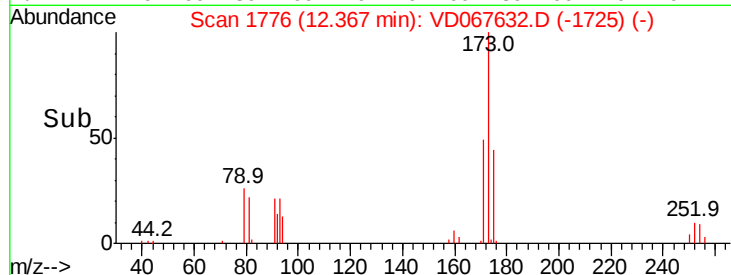
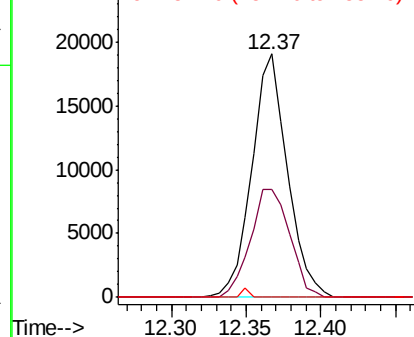
173 100

175 49.2 24.1 72.2

254 0.8 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: VD067632.D

Acq: 16 Nov 2020 11:18

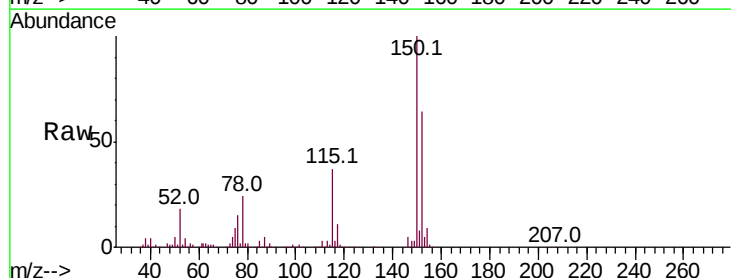
Tgt Ion:152 Resp: 195816

Ion Ratio Lower Upper

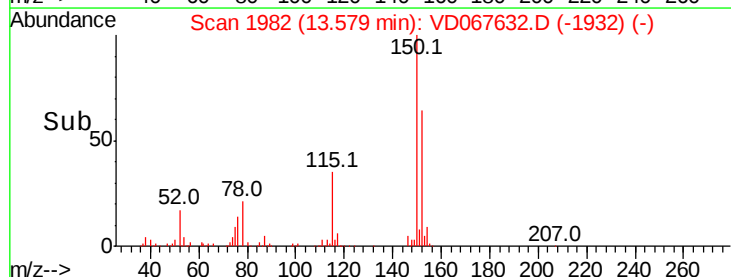
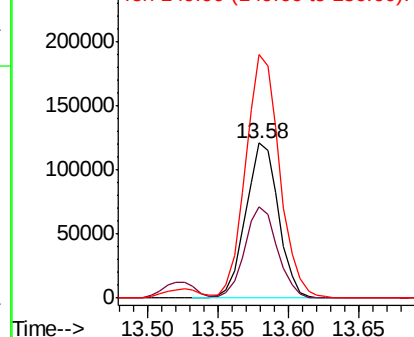
152 100

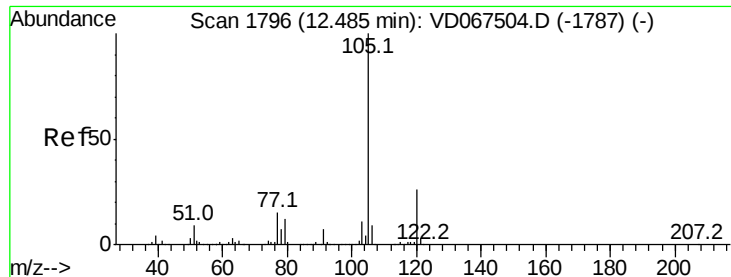
115 59.0 29.3 88.0

150 163.9 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: 20.933 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067632.D

Acq: 16 Nov 2020 11:18

Instrument :

MSVOA_D

ClientSampleId :

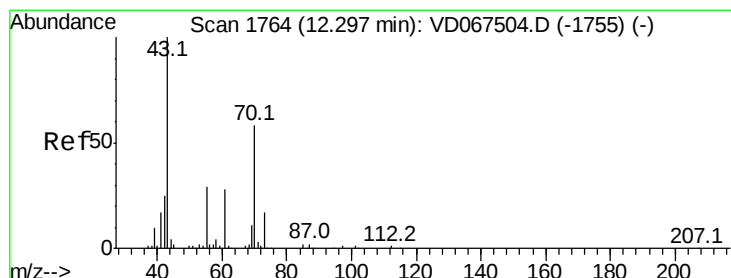
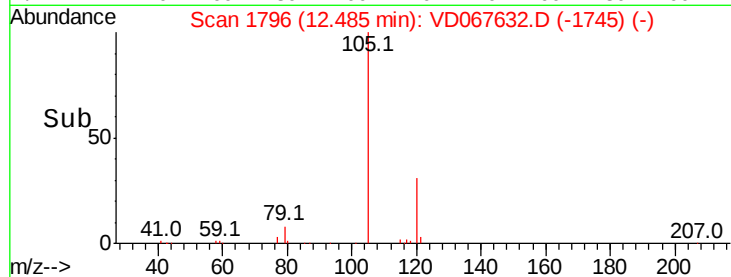
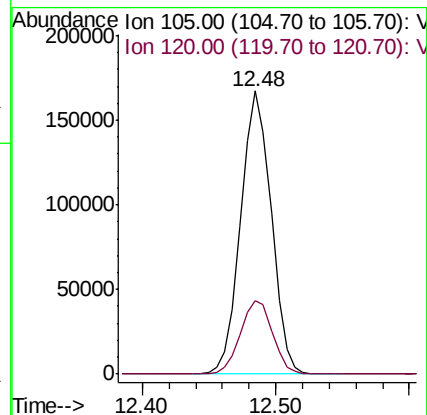
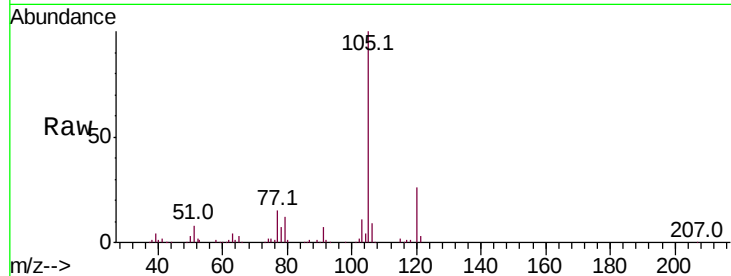
VD1116SBS01

Tot Ion:105 Resp: 264913

Ion Ratio Lower Upper

105 100

120 27.3 13.2 39.6



#74

N-ethyl acetate

Concen: 19.543 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD067632.D

Acq: 16 Nov 2020 11:18

Tgt Ion: 43 Resp: 32544

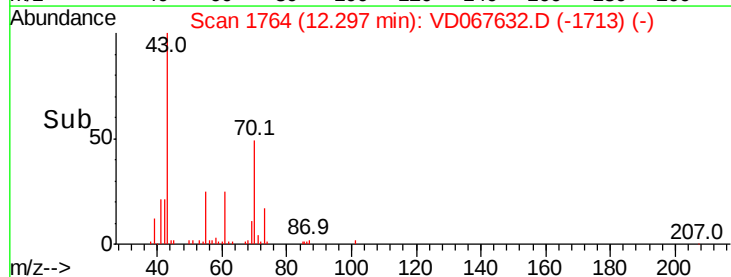
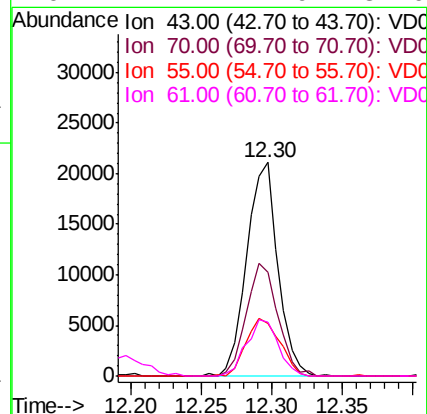
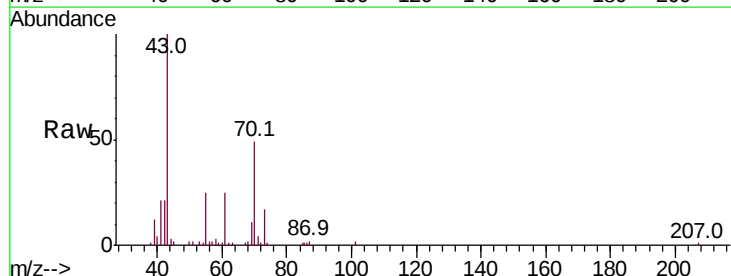
Ion Ratio Lower Upper

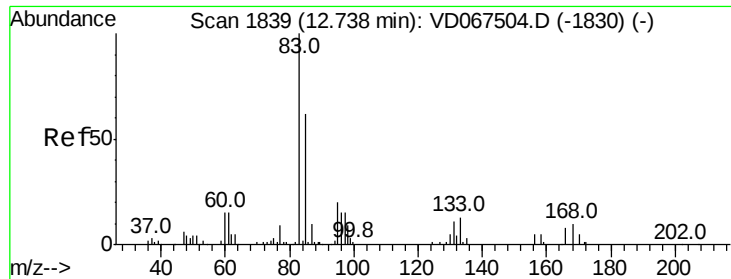
43 100

70 53.6 42.6 64.0

55 29.4 23.7 35.5

61 27.1 21.9 32.9





#75

1,1,2,2-Tetrachloroethane

Concen: 19.927 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067632.D

Acq: 16 Nov 2020 11:18

Instrument :

MSVOA_D

ClientSampleId :

VD1116SBS01

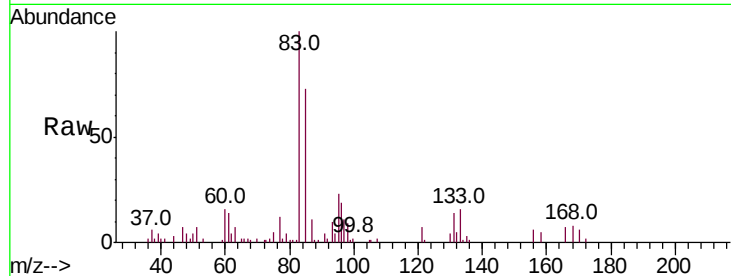
Tot Ion: 83 Resp: 34387

Ion Ratio Lower Upper

83 100

131 15.8 7.1 21.3

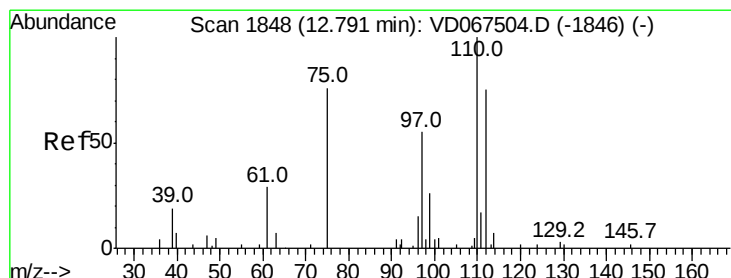
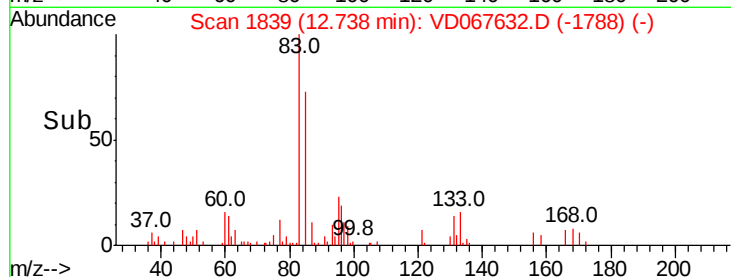
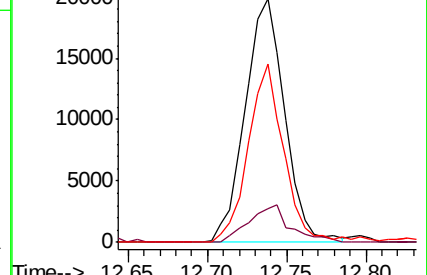
85 64.9 32.9 98.7



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: 41.236 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD067632.D

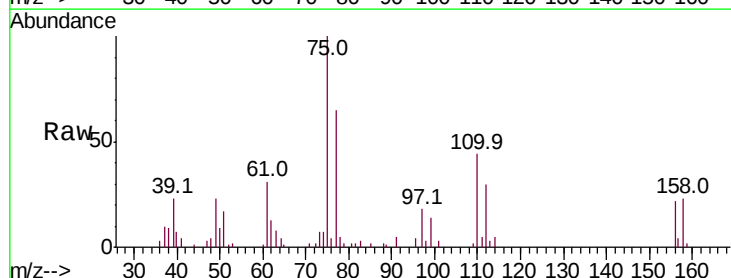
Acq: 16 Nov 2020 11:18

Tgt Ion: 75 Resp: 48711

Ion Ratio Lower Upper

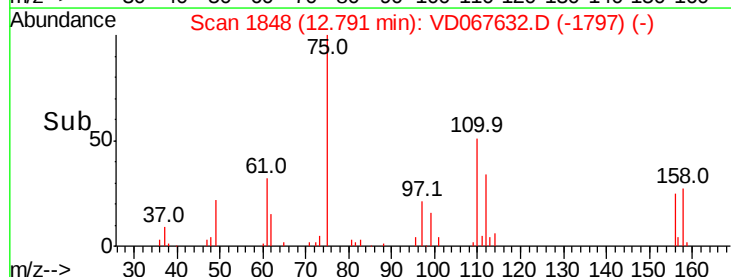
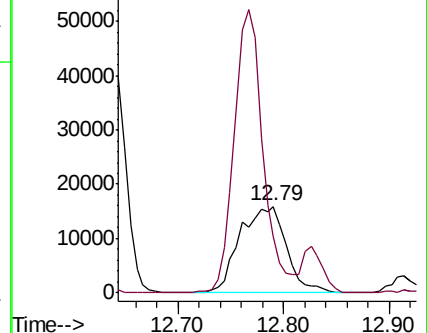
75 100

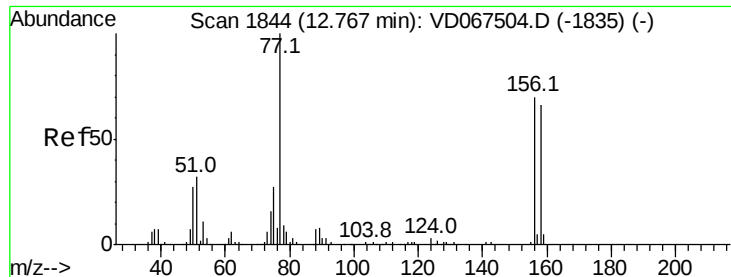
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 21.330 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067632.D

Acq: 16 Nov 2020 11:18

Instrument :

MSVOA_D

ClientSampleId :

VD1116SBS01

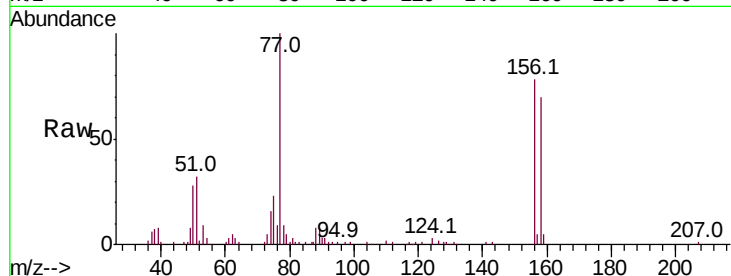
Tot Ion:156 Resp: 66293

Ion Ratio Lower Upper

156 100

77 148.4 77.8 233.5

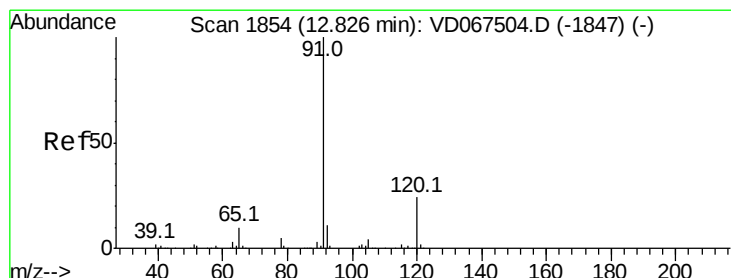
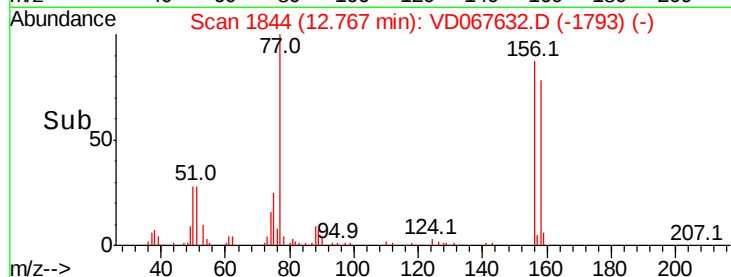
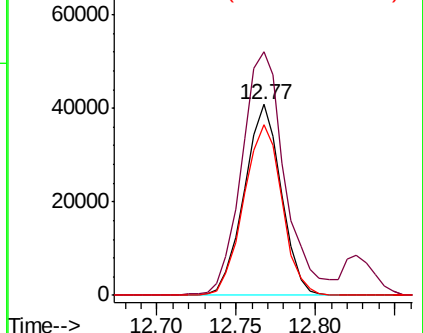
158 92.7 47.9 143.7



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: 21.221 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067632.D

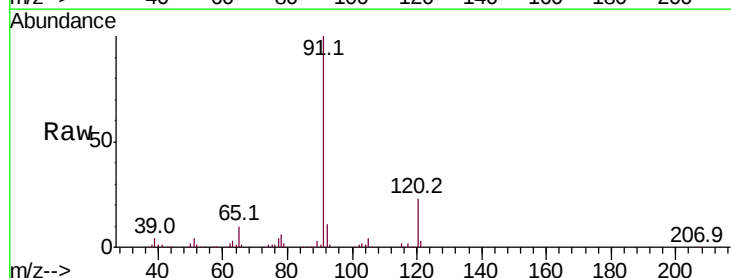
Acq: 16 Nov 2020 11:18

Tgt Ion: 91 Resp: 307187

Ion Ratio Lower Upper

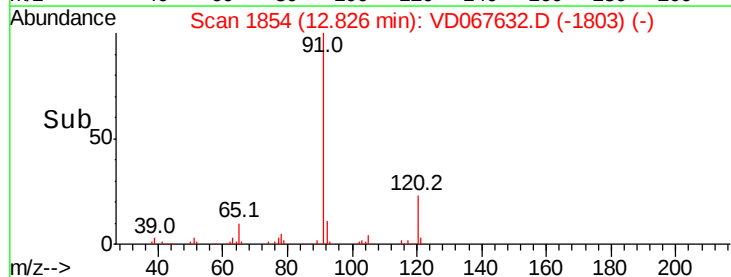
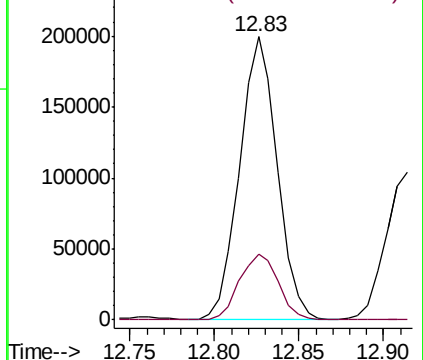
91 100

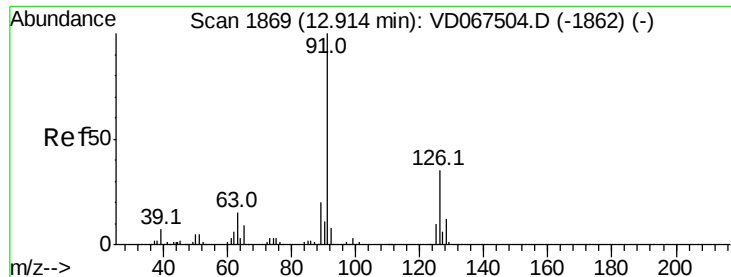
120 24.0 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.825 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD067632.D

Acq: 16 Nov 2020 11:18

Instrument :

MSVOA_D

ClientSampleId :

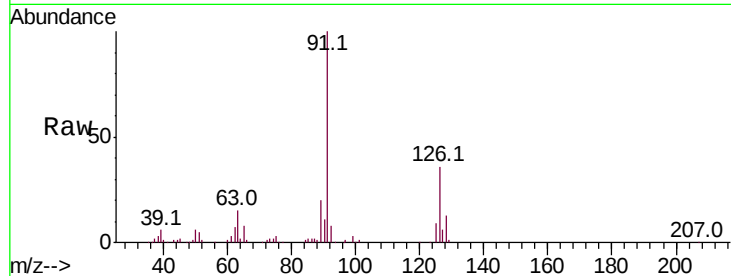
VD1116SBS01

Tot Ion: 91 Resp: 171239

Ion Ratio Lower Upper

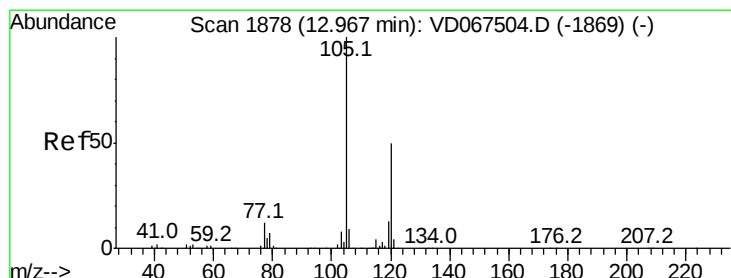
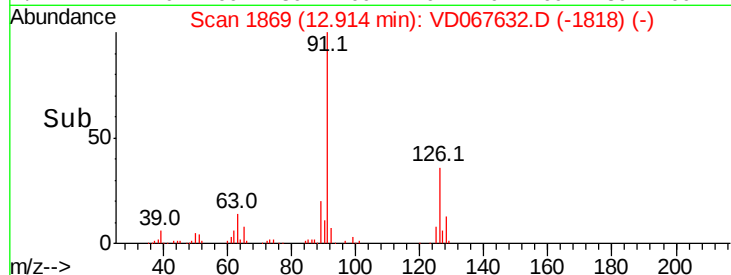
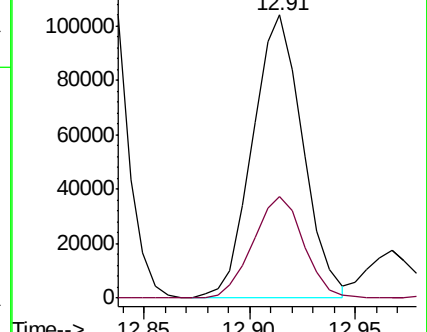
91 100

126 36.5 17.8 53.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 21.642 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD067632.D

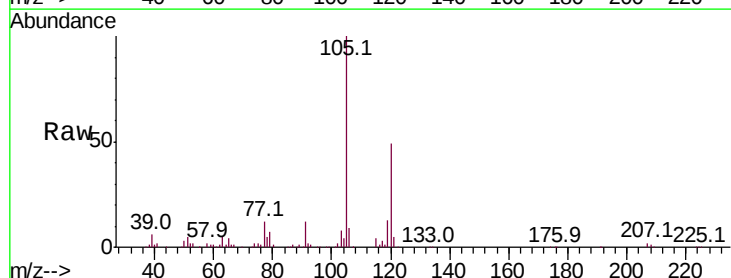
Acq: 16 Nov 2020 11:18

Tgt Ion:105 Resp: 233963

Ion Ratio Lower Upper

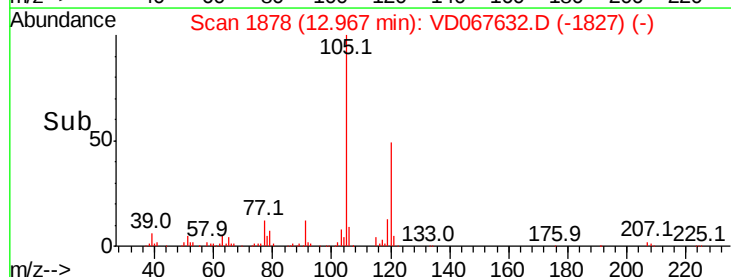
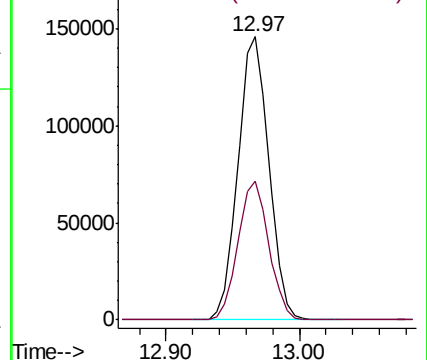
105 100

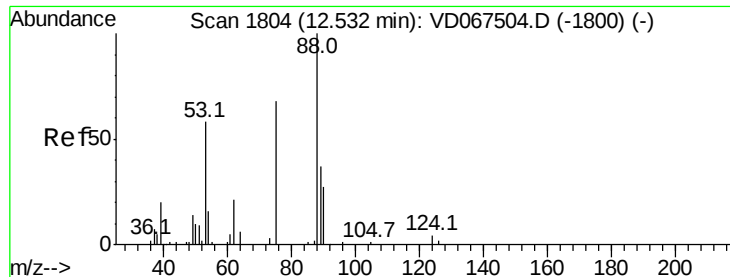
120 48.9 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 18.853 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD067632.D

Acq: 16 Nov 2020 11:18

Instrument :

MSVOA_D

ClientSampleId :

VD1116SBS01

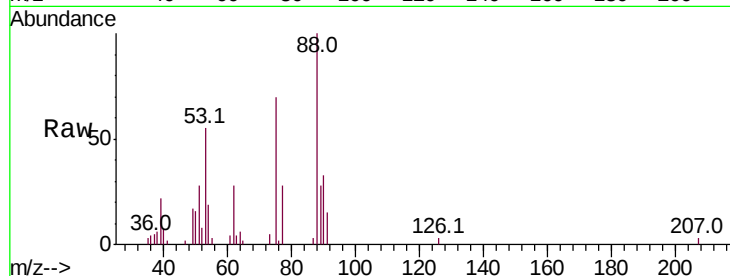
Tot Ion: 75 Resp: 10969

Ion Ratio Lower Upper

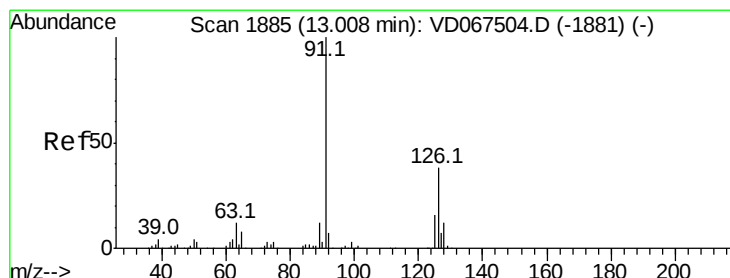
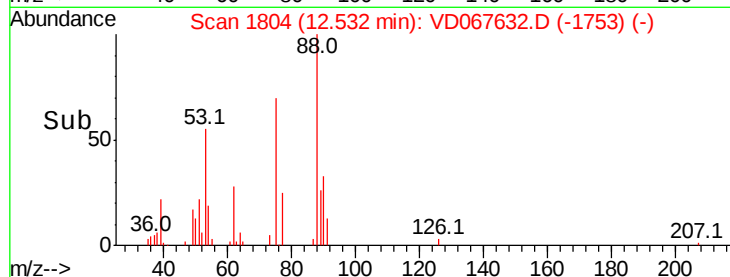
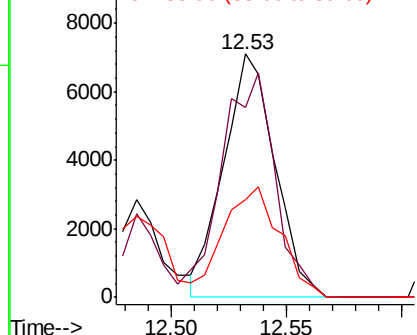
75 100

53 96.3 75.9 113.9

89 49.9 44.6 67.0



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 21.654 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD067632.D

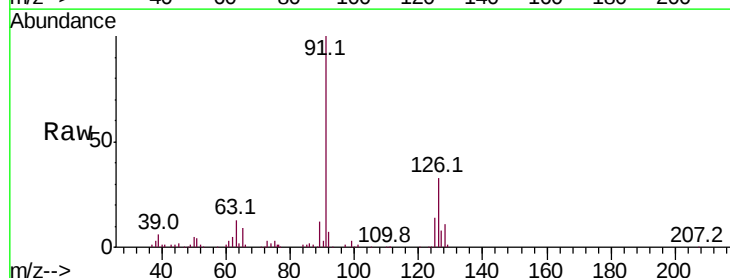
Acq: 16 Nov 2020 11:18

Tgt Ion: 91 Resp: 190964

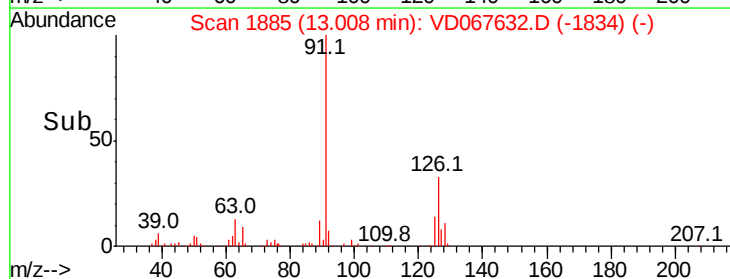
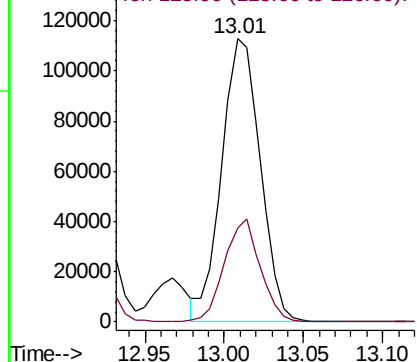
Ion Ratio Lower Upper

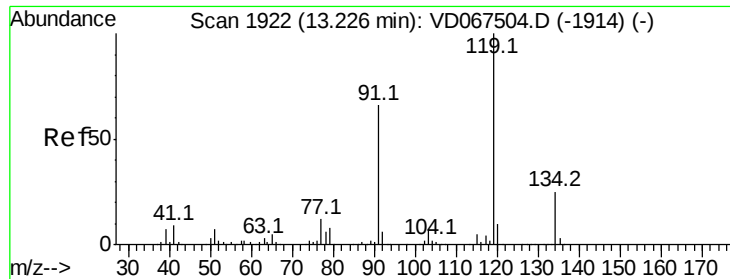
91 100

126 33.6 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.90 (125.60 to 126.60): V

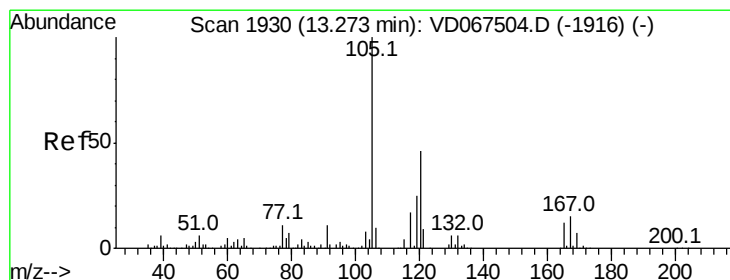
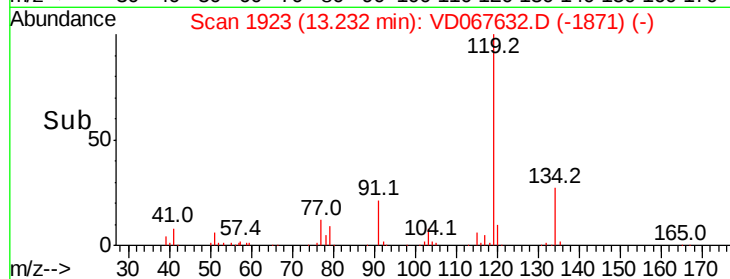
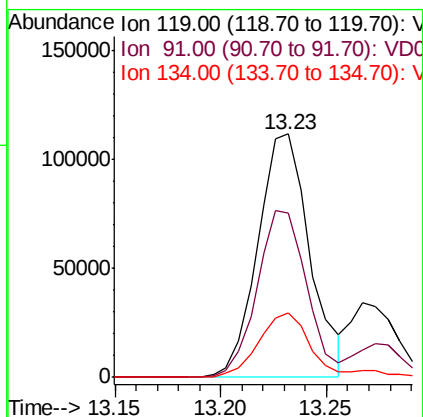
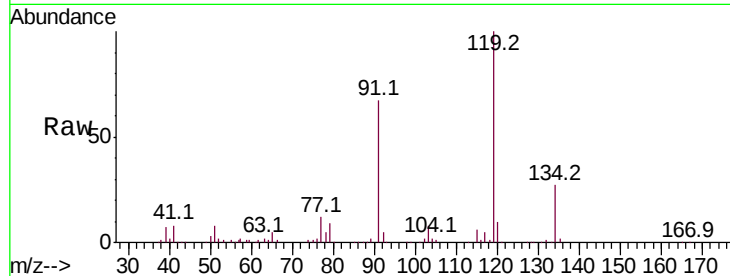




#83
tert-Butylbenzene
Concen: 20.929 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.01 min
Lab File: VD067632.D
Acq: 16 Nov 2020 11:18

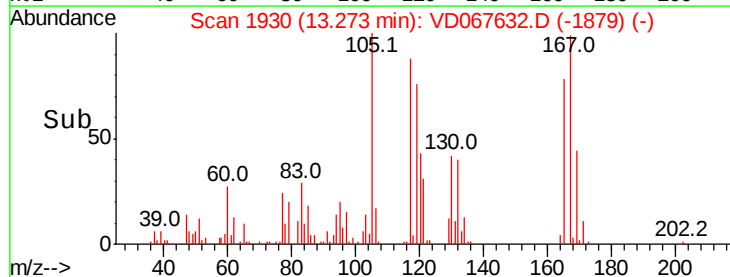
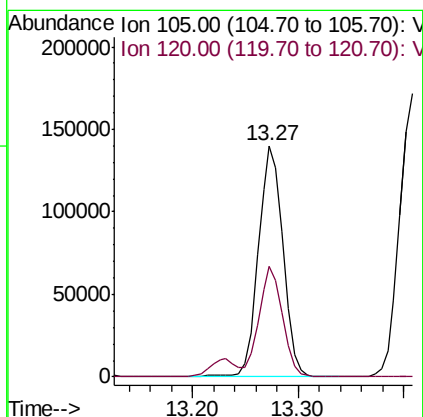
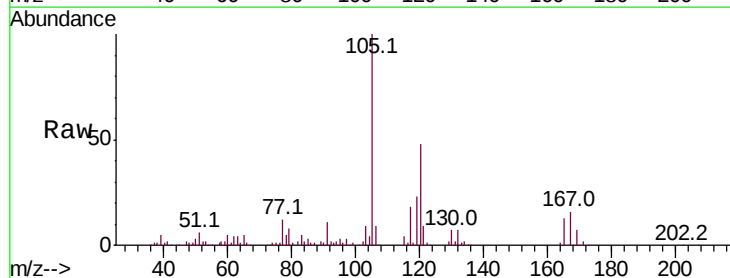
Instrument :
MSVOA_D
ClientSampleId :
VD1116SBS01

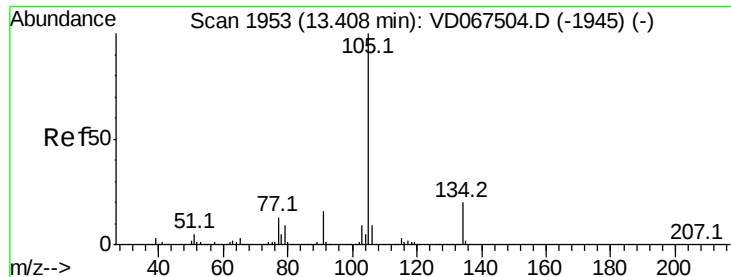
Tot Ion:119 Resp: 191760
Ion Ratio Lower Upper
119 100
91 65.5 32.7 98.1
134 25.9 13.4 40.2



#84
1,2,4-Trimethylbenzene
Concen: 21.151 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067632.D
Acq: 16 Nov 2020 11:18

Tgt Ion:105 Resp: 227610
Ion Ratio Lower Upper
105 100
120 46.0 22.1 66.1

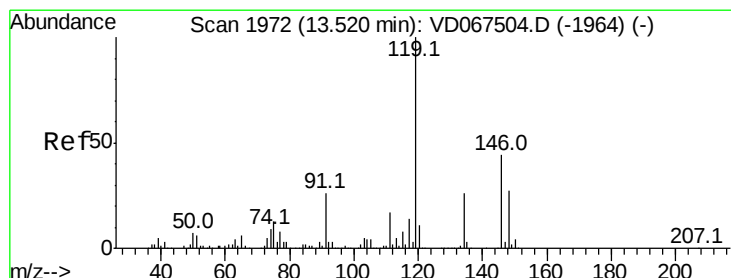
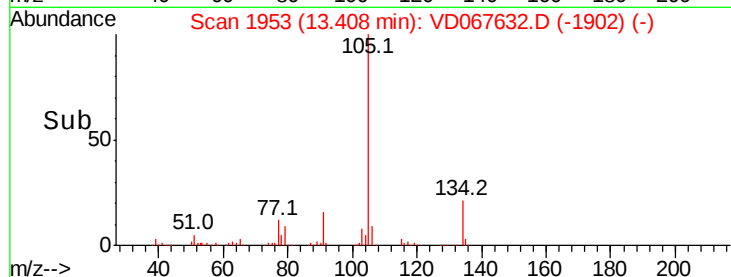
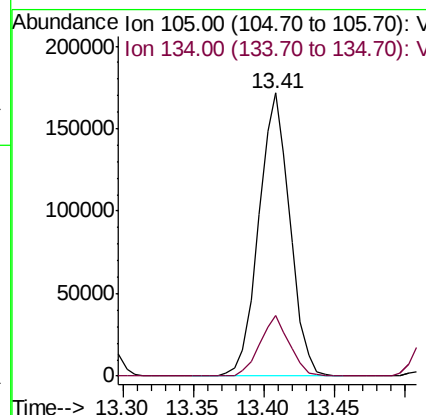
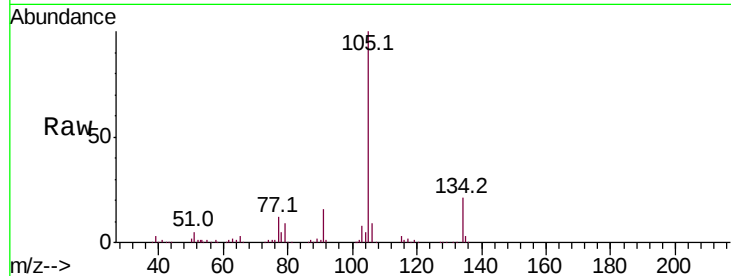




#85
 sec-Butylbenzene
 Concen: 21.458 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD067632.D
 Acq: 16 Nov 2020 11:18

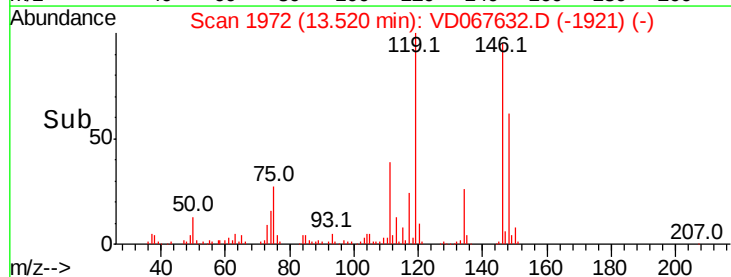
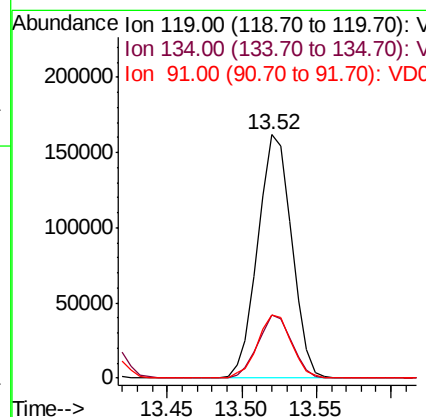
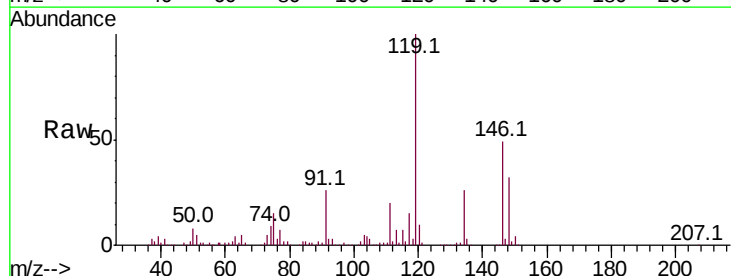
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1116SBS01

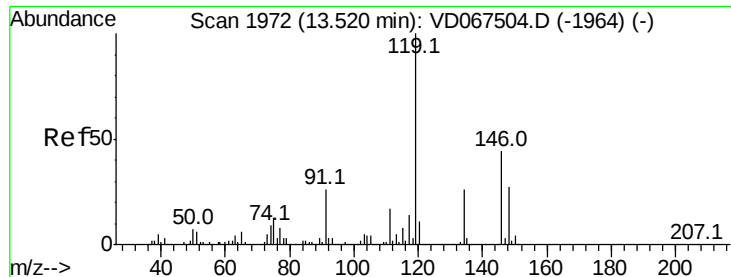
Tot Ion:105 Resp: 265404
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.4 31.4



#86
 p-Isopropyltoluene
 Concen: 21.324 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067632.D
 Acq: 16 Nov 2020 11:18

Tgt Ion:119 Resp: 254694
 Ion Ratio Lower Upper
 119 100
 134 25.7 13.1 39.3
 91 25.8 12.2 36.4

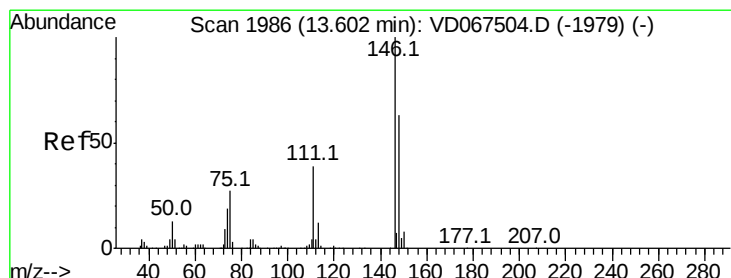
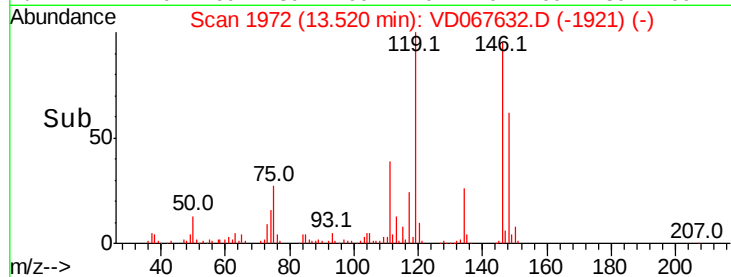
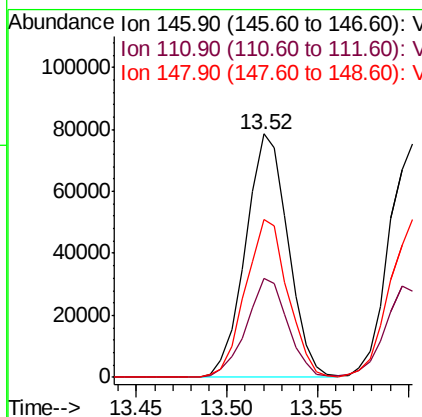
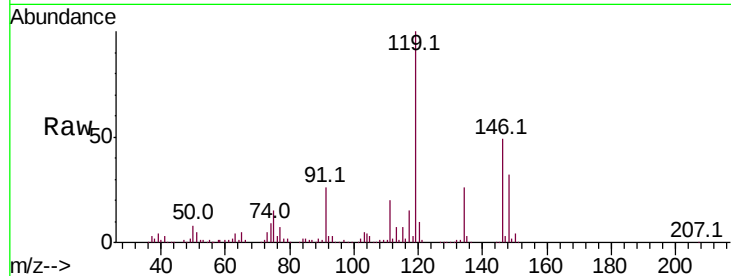




#87
 1,3-Dichlorobenzene
 Concen: 21.605 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067632.D
 Acq: 16 Nov 2020 11:18

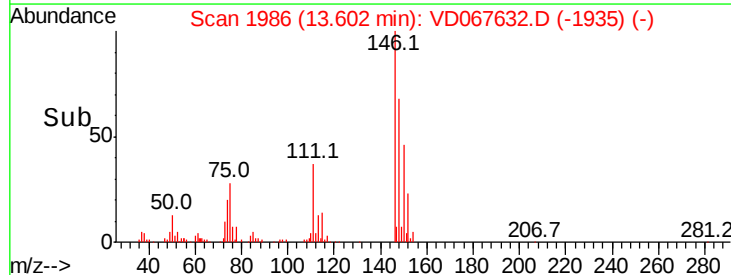
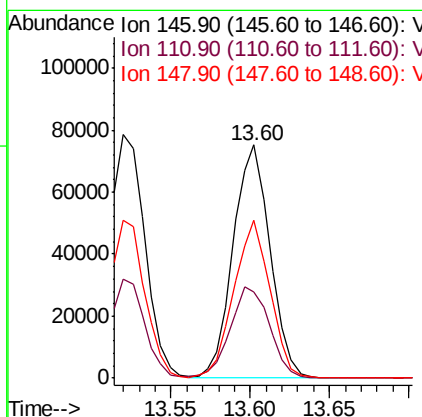
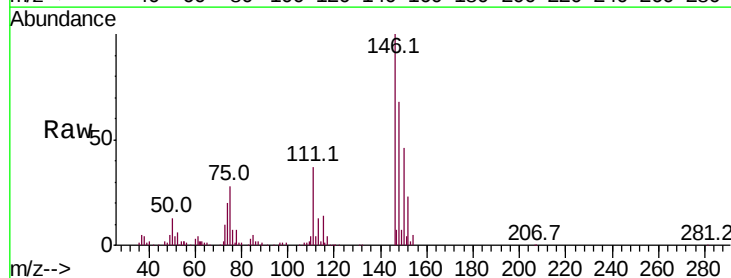
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1116SBS01

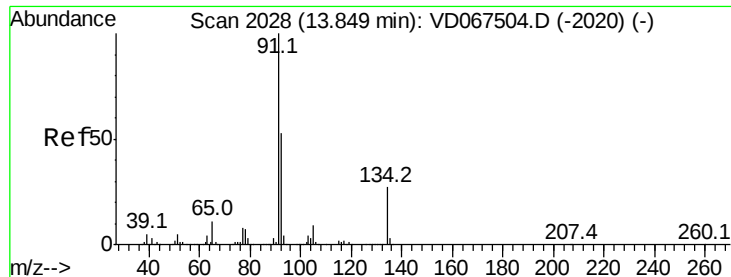
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.3	60.8
148	64.7	31.9	95.9



#88
 1,4-Dichlorobenzene
 Concen: 20.233 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD067632.D
 Acq: 16 Nov 2020 11:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.7	19.6	58.7
148	66.5	31.8	95.4

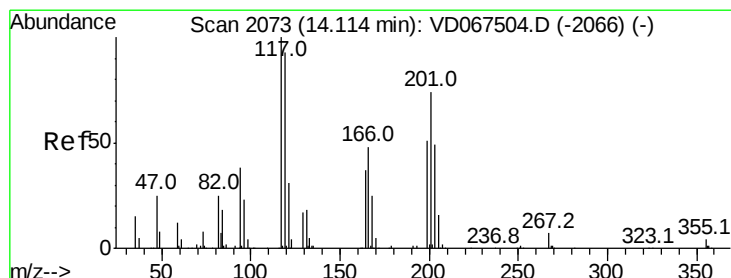
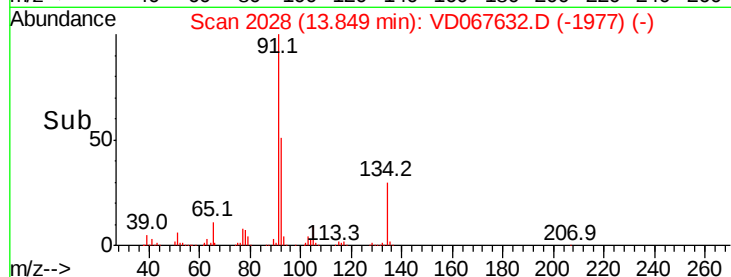
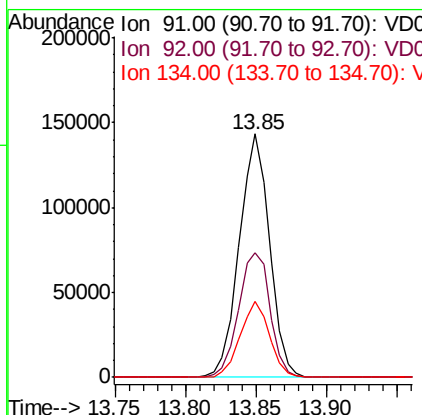
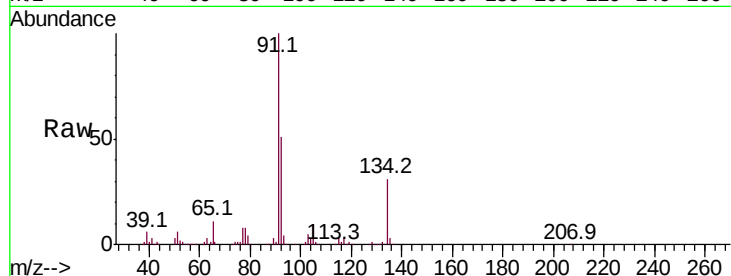




#89
n-Butylbenzene
Concen: 20.849 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067632.D
Acq: 16 Nov 2020 11:18

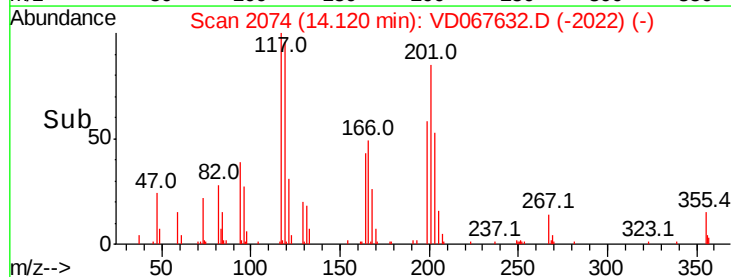
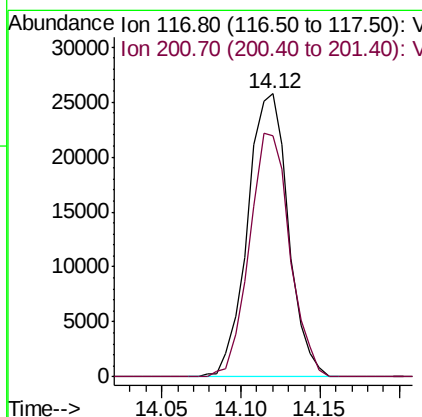
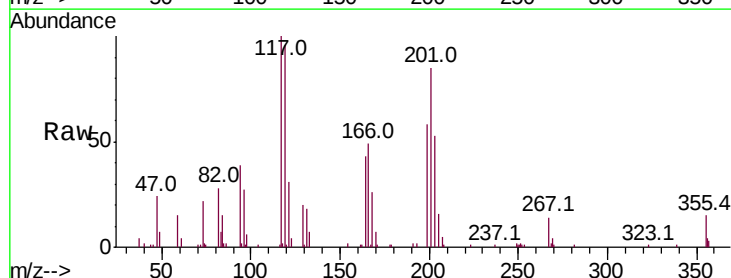
Instrument :
MSVOA_D
ClientSampleId :
VD1116SBS01

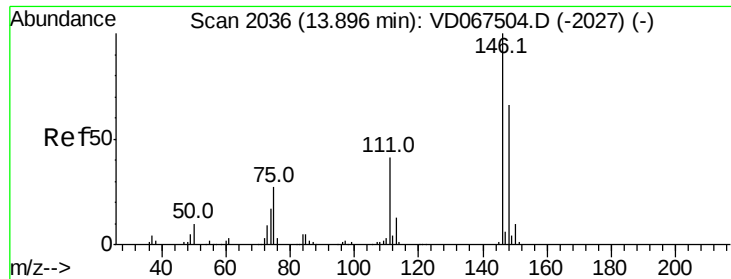
Tot Ion: 91 Resp: 215088
Ion Ratio Lower Upper
91 100
92 53.2 26.6 79.8
134 30.1 14.1 42.2



#90
Hexachloroethane
Concen: 20.494 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD067632.D
Acq: 16 Nov 2020 11:18

Tgt Ion: 117 Resp: 46097
Ion Ratio Lower Upper
117 100
201 85.1 40.7 122.1





#91

1,2-Dichlorobenzene

Concen: 20.385 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VD067632.D

Acq: 16 Nov 2020 11:18

Instrument :

MSVOA_D

ClientSampleId :

VD1116SBS01

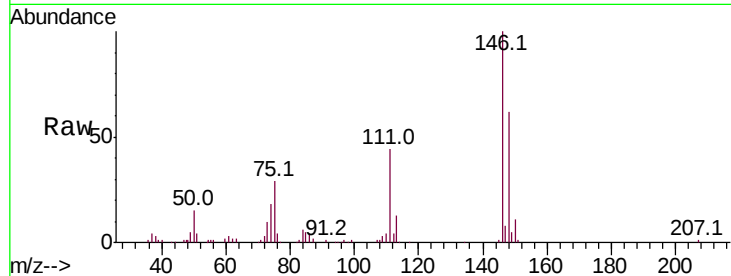
Tot Ion:146 Resp: 104627

Ion Ratio Lower Upper

146 100

111 42.4 20.7 62.1

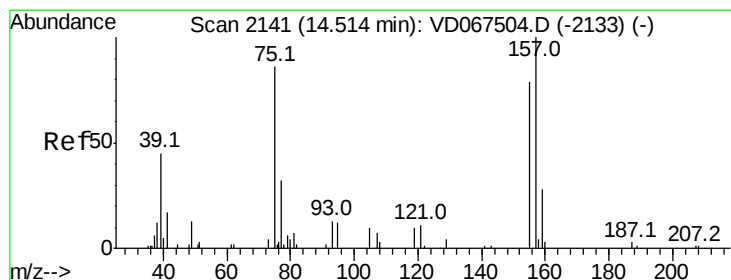
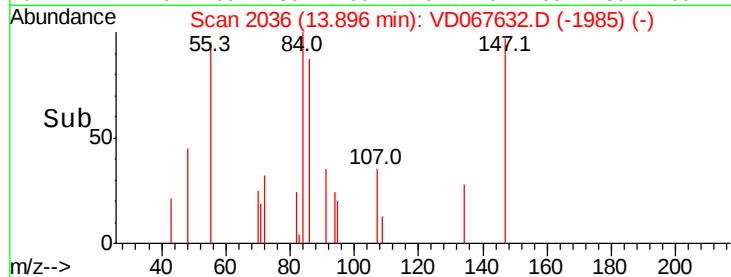
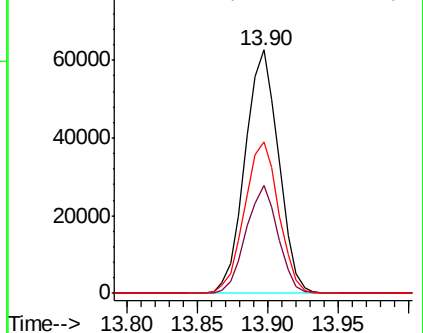
148 63.4 31.5 94.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.714 ug/l

RT: 14.51 min Scan# 2140

Delta R.T. -0.01 min

Lab File: VD067632.D

Acq: 16 Nov 2020 11:18

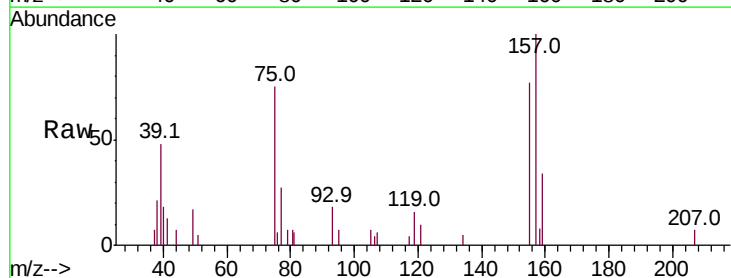
Tgt Ion: 75 Resp: 6329

Ion Ratio Lower Upper

75 100

155 88.2 46.6 139.8

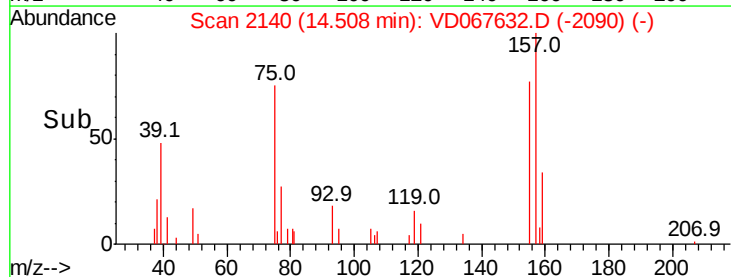
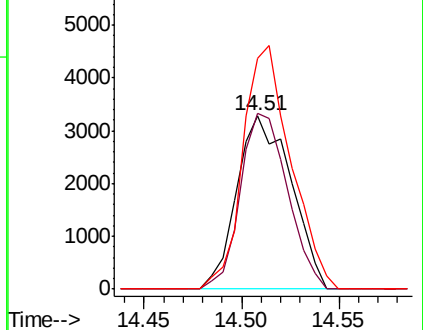
157 123.9 58.1 174.2

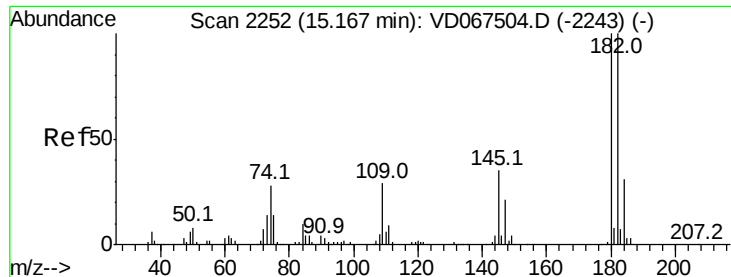


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

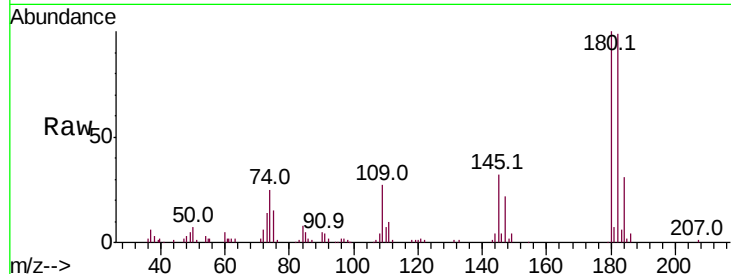




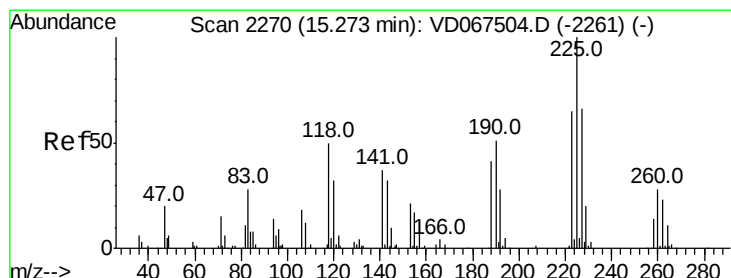
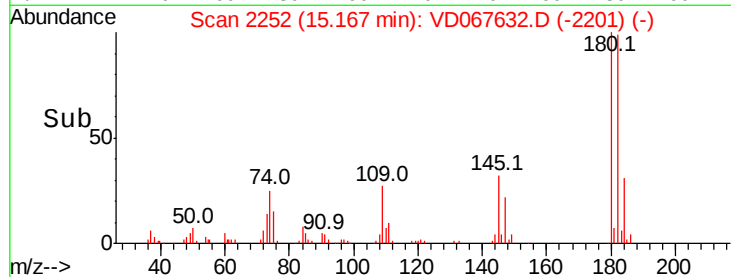
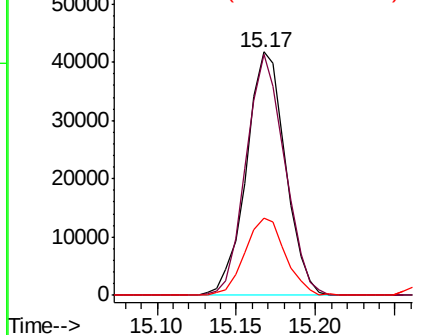
#93
 1,2,4-Trichlorobenzene
 Concen: 20.575 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD067632.D
 Acq: 16 Nov 2020 11:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1116SBS01

Tot Ion:180 Resp: 71675
 Ion Ratio Lower Upper
 180 100
 182 97.7 47.4 142.3
 145 32.7 16.2 48.6

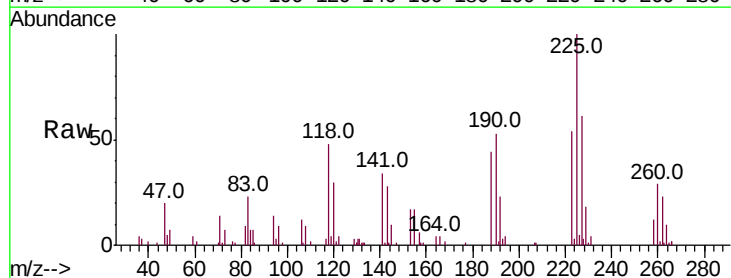


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

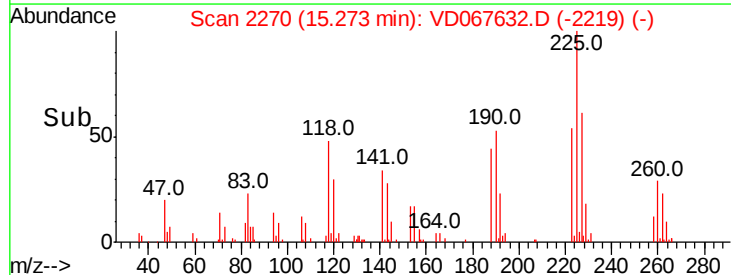
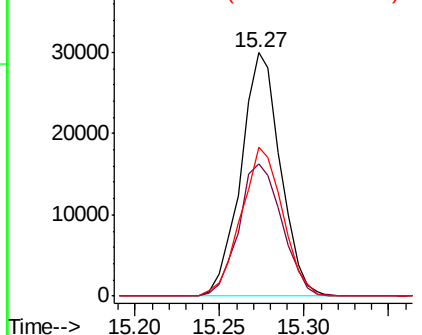


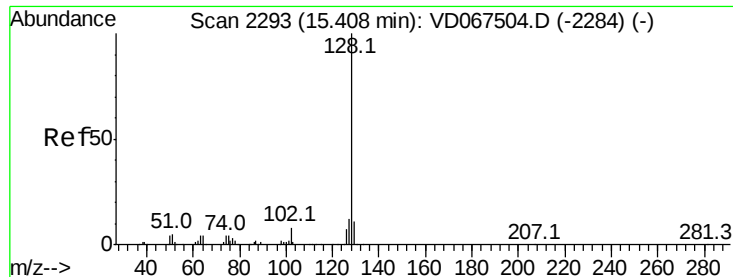
#94
 Hexachlorobutadiene
 Concen: 20.910 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD067632.D
 Acq: 16 Nov 2020 11:18

Tgt Ion:225 Resp: 48751
 Ion Ratio Lower Upper
 225 100
 223 59.3 31.9 95.5
 227 64.3 32.5 97.4



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

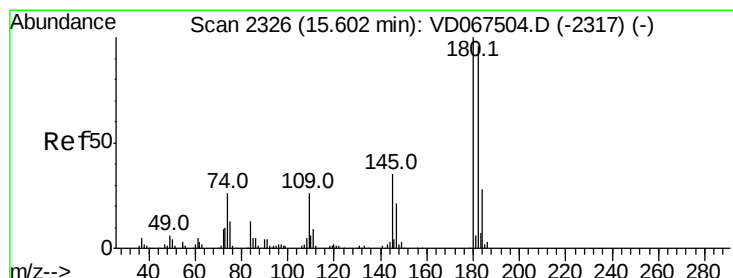
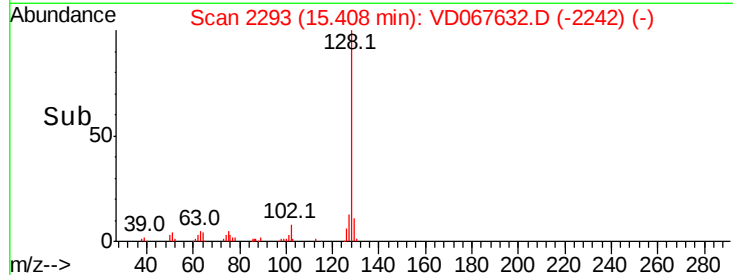
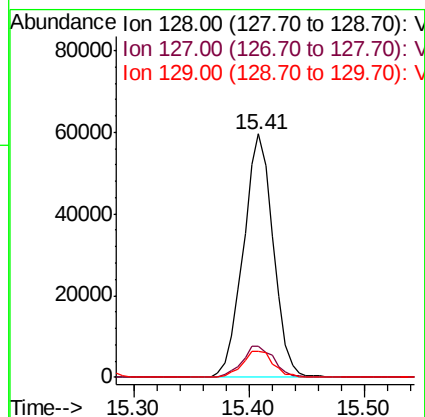
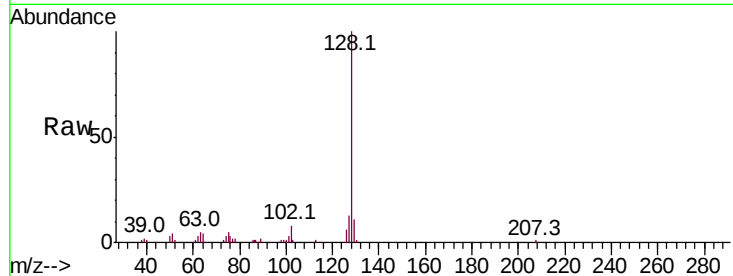




#95
Naphthalene
Concen: 19.873 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD067632.D
Acq: 16 Nov 2020 11:18

Instrument :
MSVOA_D
ClientSampleId :
VD1116SBS01

Tot Ion:128	Resp:	106839
Ion	Ratio	Lower Upper
128	100	
127	13.8	10.2 15.4
129	11.2	8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 20.445 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD067632.D
Acq: 16 Nov 2020 11:18

Tgt Ion:180	Resp:	60991
Ion	Ratio	Lower Upper
180	100	
182	94.9	46.9 140.8
145	33.7	17.1 51.2

