

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102020\
 Data File : VD067315.D
 Acq On : 20 Oct 2020 11:12
 Operator : VA/SY
 Sample : VD1020SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1020SBS01

Quant Time: Oct 21 01:48:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	328033	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	498891	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	461422	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	231193	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	158072	48.10	ug/l	0.00
Spiked Amount			Recovery	=	96.20%	
35) Dibromofluoromethane	7.91	113	162031	48.80	ug/l	0.00
Spiked Amount			Recovery	=	97.60%	
50) Toluene-d8	10.34	98	584835	48.67	ug/l	0.00
Spiked Amount			Recovery	=	97.34%	
62) 4-Bromofluorobenzene	12.64	95	202670	48.51	ug/l	0.00
Spiked Amount			Recovery	=	97.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	61922	20.979	ug/l	96
3) Chloromethane	2.21	50	42644	20.656	ug/l	94
4) Vinyl Chloride	2.35	62	48975	21.621	ug/l	100
5) Bromomethane	2.76	94	37598	22.563	ug/l	92
6) Chloroethane	2.92	64	29485	20.901	ug/l	97
7) Trichlorofluoromethane	3.27	101	118473	20.771	ug/l	95
8) Diethyl Ether	3.71	74	25659	19.659	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.10	101	63820	21.060	ug/l	97
10) Methyl Iodide	4.30	142	58494	20.925	ug/l	99
11) Tert butyl alcohol	5.21	59	18346	75.556	ug/l	100
12) 1,1-Dichloroethene	4.07	96	55392	20.460	ug/l	99
13) Acrolein	3.92	56	11483	75.061	ug/l	98
14) Allyl chloride	4.72	41	63815	20.583	ug/l	99
15) Acrylonitrile	5.43	53	44624	102.464	ug/l	97
16) Acetone	4.16	43	45808	99.526	ug/l	99
17) Carbon Disulfide	4.41	76	156688	20.302	ug/l	99
18) Methyl Acetate	4.71	43	20586	19.610	ug/l #	80
19) Methyl tert-butyl Ether	5.47	73	108788	20.209	ug/l	96
20) Methylene Chloride	4.97	84	69204	20.857	ug/l	89
21) trans-1,2-Dichloroethene	5.47	96	65577	21.049	ug/l	92
22) Diisopropyl ether	6.37	45	123678	21.837	ug/l	92
23) Vinyl Acetate	6.31	43	343095	106.479	ug/l	98
24) 1,1-Dichloroethane	6.26	63	105024	21.663	ug/l	97
25) 2-Butanone	7.21	43	55810	106.376	ug/l	90
26) 2,2-Dichloropropane	7.21	77	106577	21.328	ug/l	99
27) cis-1,2-Dichloroethene	7.22	96	73604	21.556	ug/l	97
28) Bromochloromethane	7.54	49	33712	20.386	ug/l #	97
29) Tetrahydrofuran	7.56	42	30178	103.476	ug/l	96
30) Chloroform	7.71	83	122970	21.232	ug/l	89
31) Cyclohexane	7.98	56	77771	20.546	ug/l #	84
32) 1,1,1-Trichloroethane	7.90	97	120446	21.196	ug/l	99
36) 1,1-Dichloropropene	8.12	75	89273	21.113	ug/l	99
37) Ethyl Acetate	7.28	43	24562	19.743	ug/l #	93
38) Carbon Tetrachloride	8.10	117	117226	21.691	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	92242	20.867	ug/l	93
40) Benzene	8.36	78	250271	21.575	ug/l	98
41) Methacrylonitrile	7.53	41	16711	24.857	ug/l #	75
42) 1,2-Dichloroethane	8.43	62	76534	21.082	ug/l	99
43) Isopropyl Acetate	8.46	43	51480	20.854	ug/l	98
44) Trichloroethene	9.11	130	79768	21.477	ug/l	99
45) 1,2-Dichloropropane	9.40	63	58128	21.621	ug/l	96
46) Dibromomethane	9.48	93	36326	21.687	ug/l	92
47) Bromodichloromethane	9.67	83	96755	21.560	ug/l	94
48) Methyl methacrylate	9.46	41	24377	20.320	ug/l	97
49) 1,4-Dioxane	9.47	88	7185	425.811	ug/l	90
51) 4-Methyl-2-Pentanone	10.23	43	127752	103.758	ug/l	97
52) Toluene	10.41	92	173553	21.966	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	84578	21.454	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	97538	21.141	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	47363	20.736	ug/l	94
56) Ethyl methacrylate	10.67	69	50612	21.365	ug/l	96
57) 1,3-Dichloropropane	10.95	76	78642	21.634	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	134605	110.764	ug/l	98
59) 2-Hexanone	10.99	43	87561	104.072	ug/l	100
60) Dibromochloromethane	11.14	129	70620	21.200	ug/l	100
61) 1,2-Dibromoethane	11.25	107	46139	20.489	ug/l	97
64) Tetrachloroethene	10.88	164	73768	22.065	ug/l	84
65) Chlorobenzene	11.67	112	188336	21.285	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	76647	21.795	ug/l	98
67) Ethyl Benzene	11.75	91	327874	21.617	ug/l	98
68) m/p-Xylenes	11.86	106	251838	43.117	ug/l	100
69) o-Xylene	12.18	106	113203	20.930	ug/l	98
70) Styrene	12.20	104	197514	21.214	ug/l	98
71) Bromoform	12.37	173	39827	21.081	ug/l #	100
73) Isopropylbenzene	12.48	105	320342	21.832	ug/l	99
74) N-amyl acetate	12.29	43	47422	21.399	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	48765	21.690	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	63338	39.527	ug/l #	100
77) Bromobenzene	12.77	156	80445	21.991	ug/l	99
78) n-propylbenzene	12.83	91	377369	22.197	ug/l	100
79) 2-Chlorotoluene	12.91	91	211955	21.499	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	281179	22.052	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	15364	21.743	ug/l	94
82) 4-Chlorotoluene	13.01	91	232011	22.173	ug/l	100
83) tert-Butylbenzene	13.23	119	235958	21.907	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	283998	22.535	ug/l	100
85) sec-Butylbenzene	13.41	105	324572	21.962	ug/l	99
86) p-Isopropyltoluene	13.52	119	308425	22.110	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	154161	21.895	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	150353	21.553	ug/l	98
89) n-Butylbenzene	13.85	91	269859	21.990	ug/l	98
90) Hexachloroethane	14.12	117	53098	21.813	ug/l	95
91) 1,2-Dichlorobenzene	13.90	146	132901	21.606	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	8637	21.146	ug/l	93

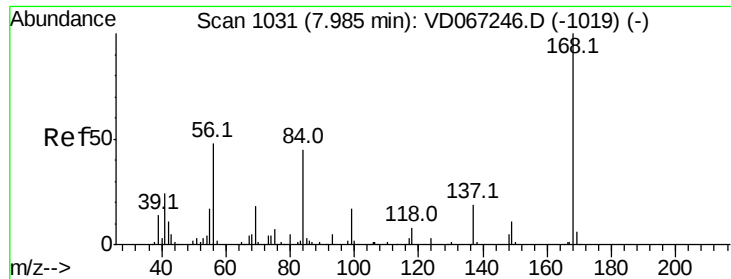
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	91157	21.981	ug/l	99
94) Hexachlorobutadiene	15.27	225	57187	22.206	ug/l	98
95) Naphthalene	15.41	128	139053	20.422	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	78203	21.827	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067315.D

Acq: 20 Oct 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

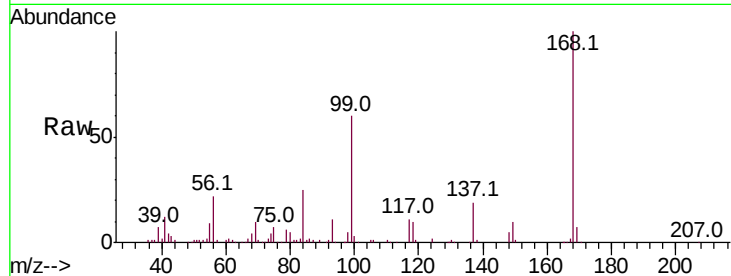
VD1020SBS01

Tot Ion:168 Resp: 328033

Ion Ratio Lower Upper

168 100

99 60.2 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

150000

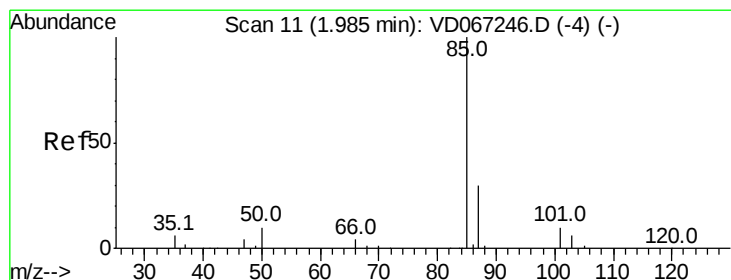
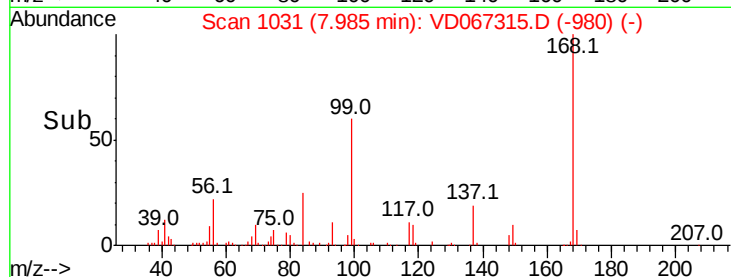
100000

50000

0

7.90 7.98 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 20.979 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067315.D

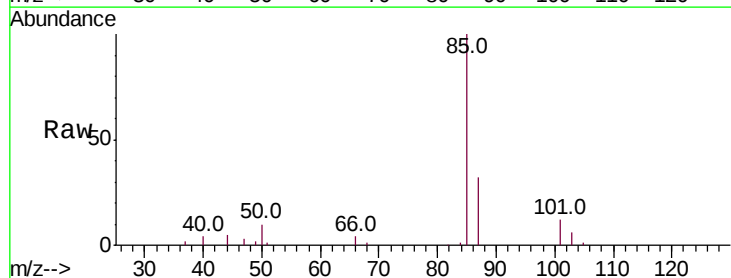
Acq: 20 Oct 2020 11:12

Tgt Ion: 85 Resp: 61922

Ion Ratio Lower Upper

85 100

87 32.5 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

50000

40000

30000

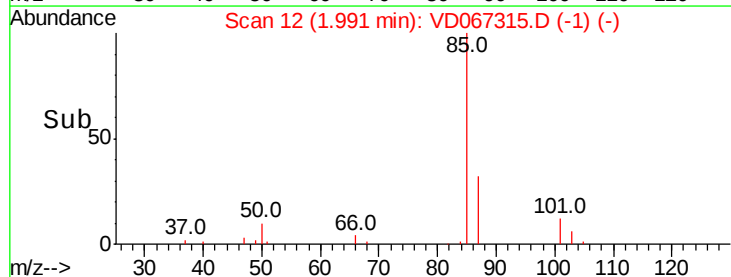
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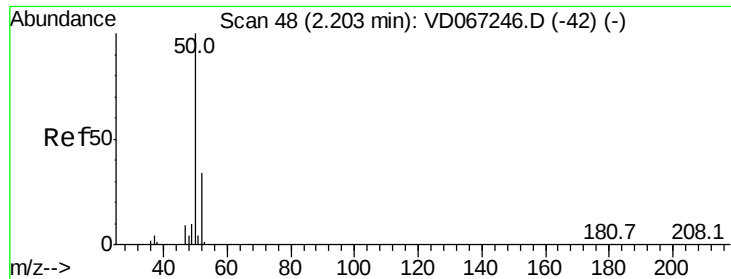
10000

0

1.90 1.95 1.99 2.05 2.10

Time-->





#3

Chloromethane

Concen: 20.656 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD067315.D

Acq: 20 Oct 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

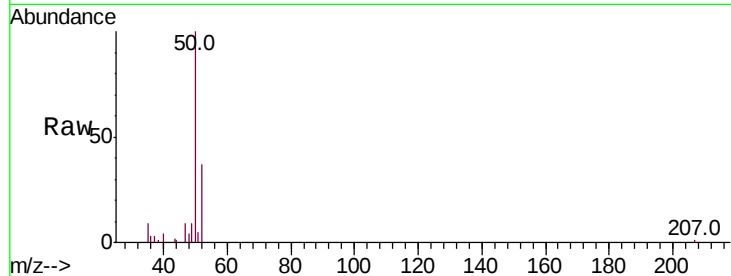
VD1020SBS01

Tot Ion: 50 Resp: 42644

Ion Ratio Lower Upper

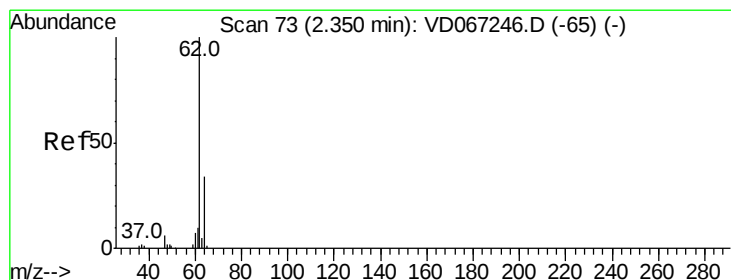
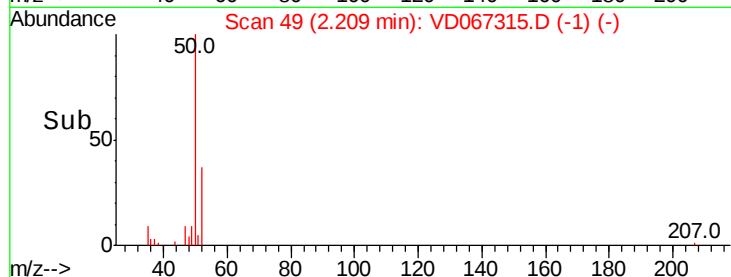
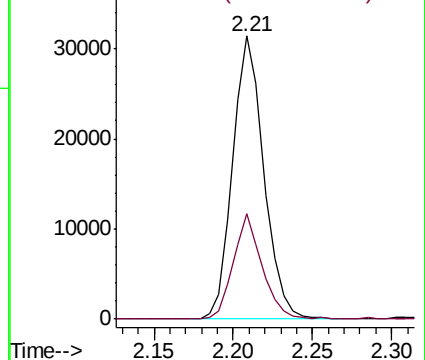
50 100

52 37.3 27.1 40.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.621 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067315.D

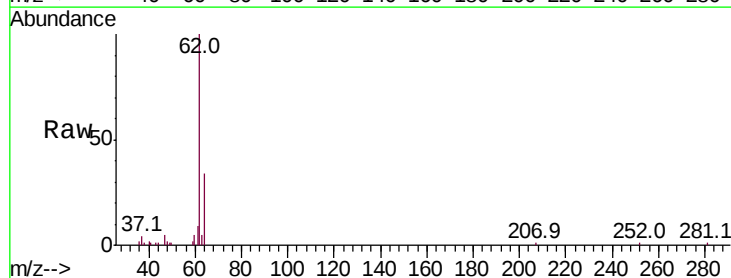
Acq: 20 Oct 2020 11:12

Tgt Ion: 62 Resp: 48975

Ion Ratio Lower Upper

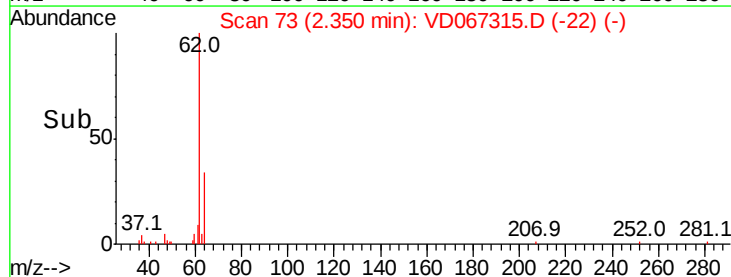
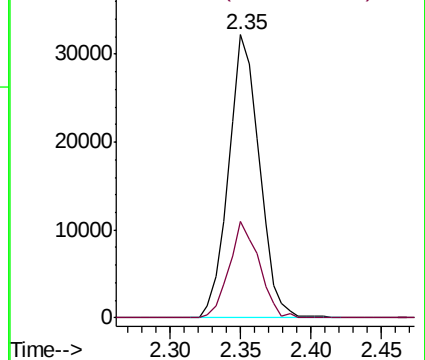
62 100

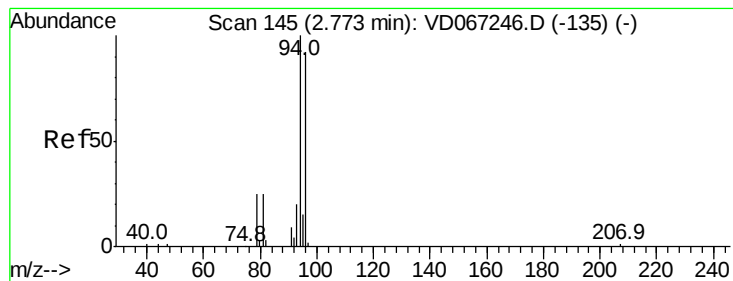
64 33.9 27.4 41.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 22.563 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD067315.D

Acq: 20 Oct 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

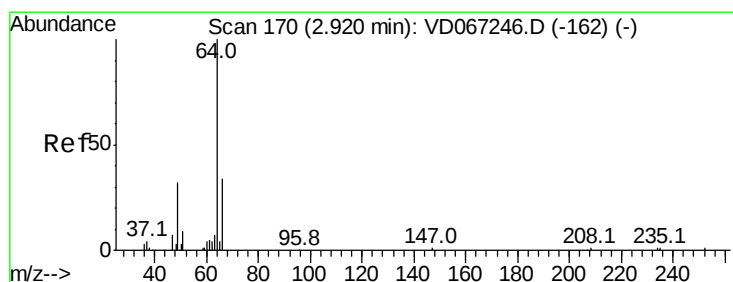
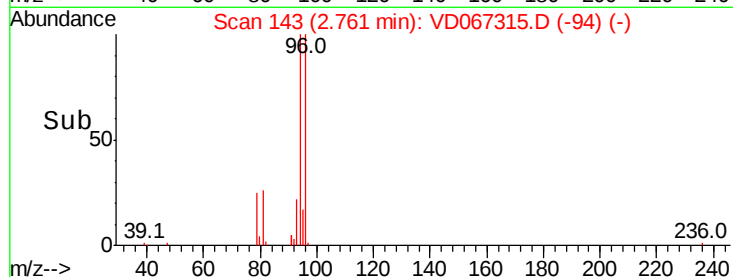
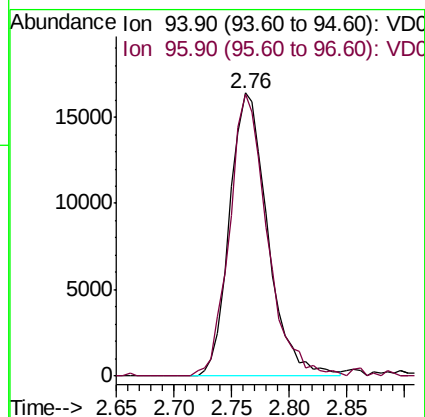
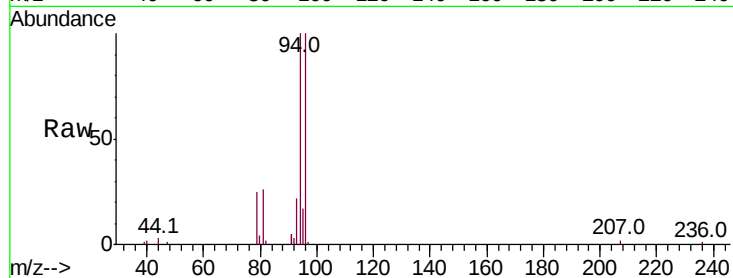
VD1020SBS01

Tot Ion: 94 Resp: 37598

Ion Ratio Lower Upper

94 100

96 99.8 73.8 110.6



#6

Chloroethane

Concen: 20.901 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD067315.D

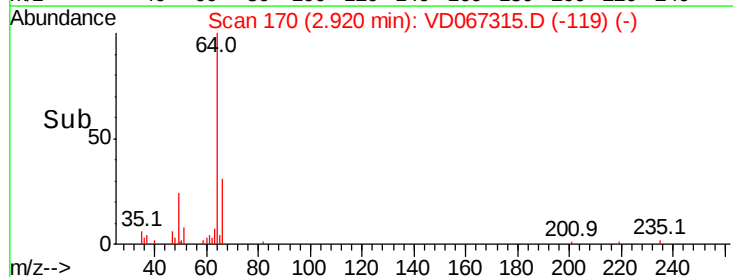
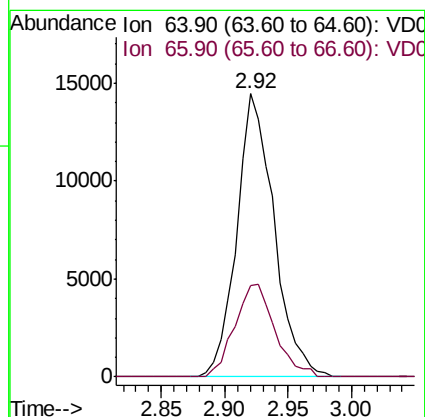
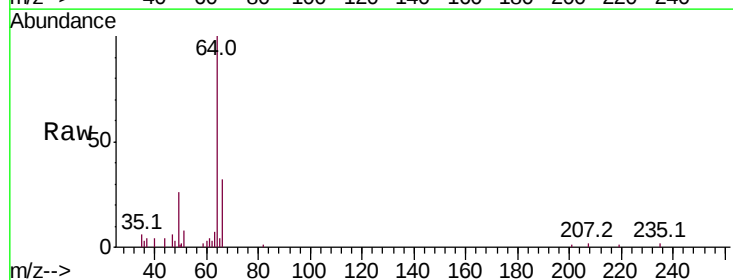
Acq: 20 Oct 2020 11:12

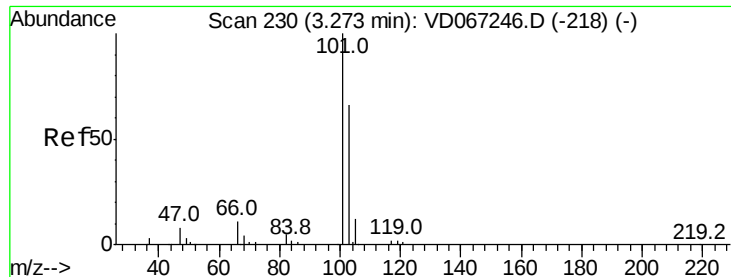
Tgt Ion: 64 Resp: 29485

Ion Ratio Lower Upper

64 100

66 32.2 27.4 41.0



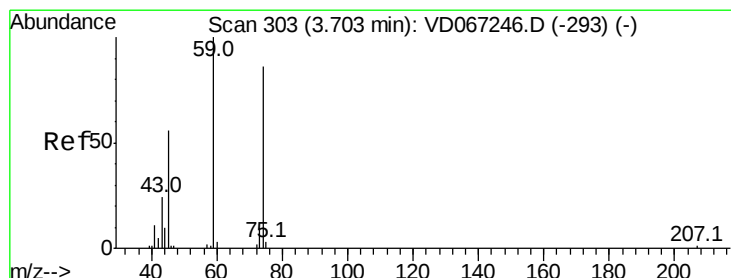
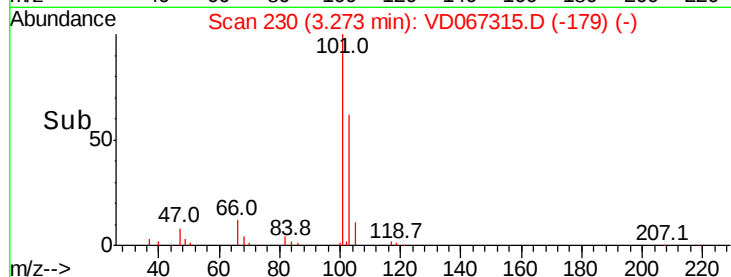
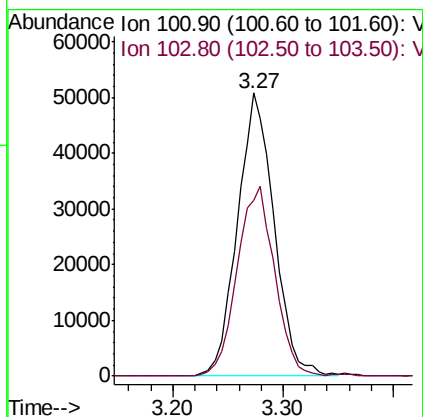
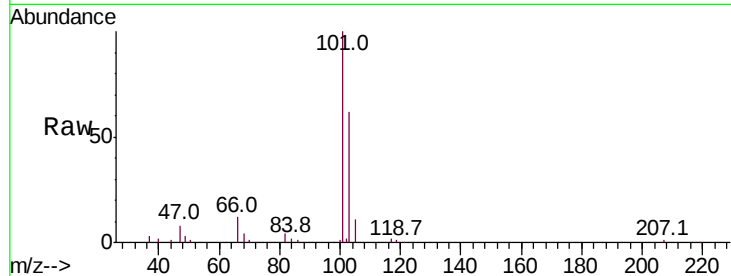


#7

Trichlorofluoromethane
 Concen: 20.771 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD067315.D
 Acq: 20 Oct 2020 11:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1020SBS01

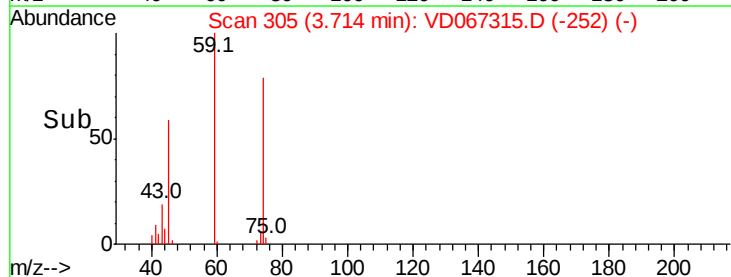
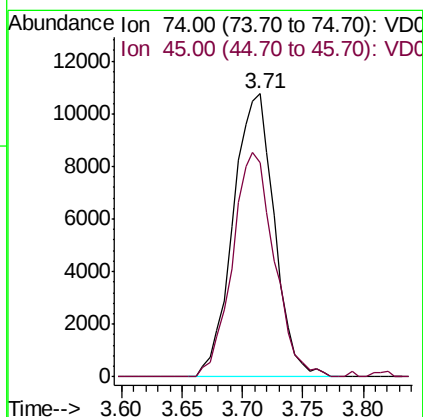
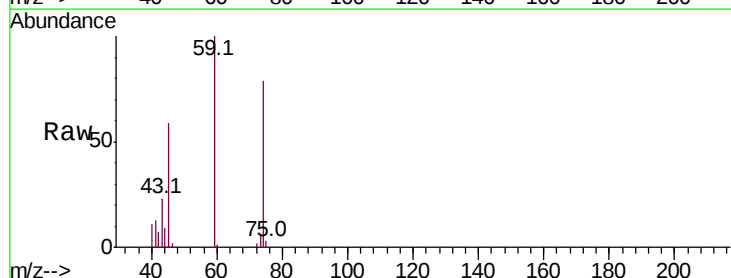
Tot Ion:101 Resp: 118473
 Ion Ratio Lower Upper
 101 100
 103 62.1 53.1 79.7

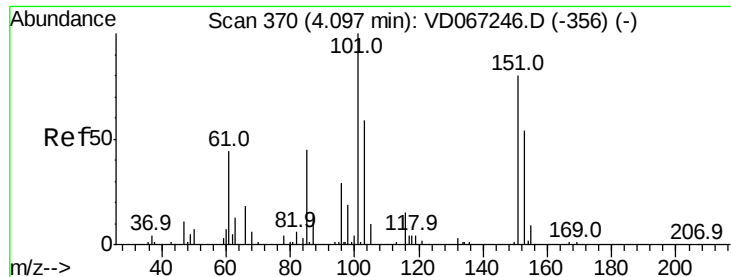


#8

Diethyl Ether
 Concen: 19.659 ug/l
 RT: 3.71 min Scan# 305
 Delta R.T. 0.01 min
 Lab File: VD067315.D
 Acq: 20 Oct 2020 11:12

Tgt Ion: 74 Resp: 25659
 Ion Ratio Lower Upper
 74 100
 45 80.4 37.0 111.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.060 ug/l

RT: 4.10 min Scan# 371

Delta R.T. 0.01 min

Lab File: VD067315.D

Acq: 20 Oct 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

VD1020SBS01

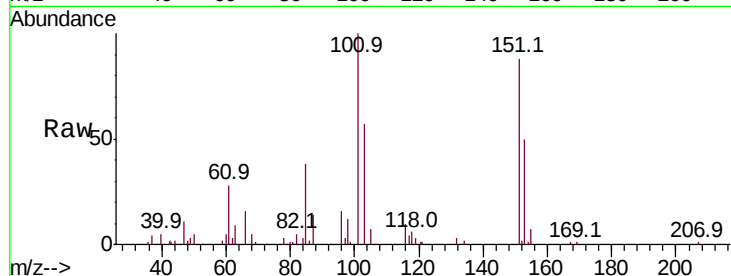
Tot Ion:101 Resp: 63820

Ion Ratio Lower Upper

101 100

85 45.5 34.2 51.4

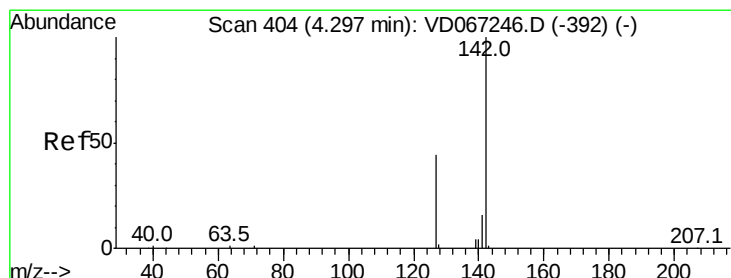
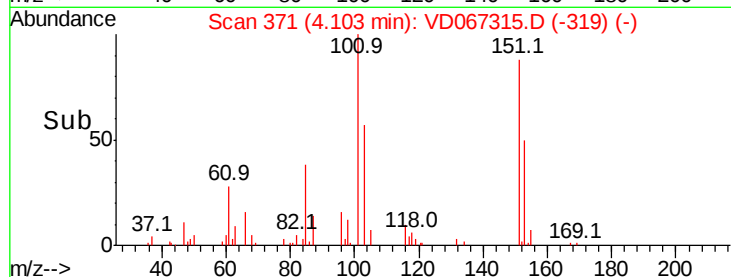
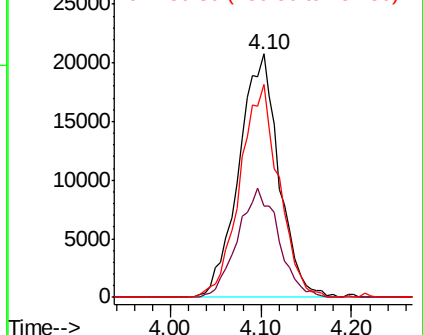
151 85.2 66.3 99.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.925 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD067315.D

Acq: 20 Oct 2020 11:12

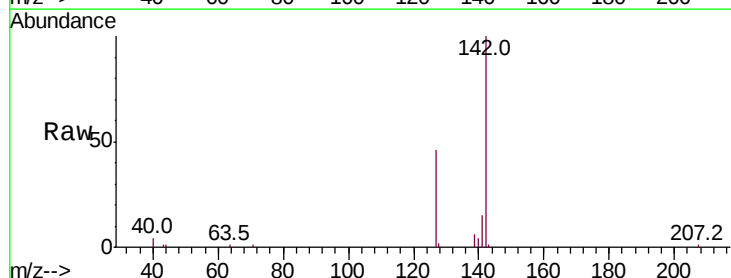
Tgt Ion:142 Resp: 58494

Ion Ratio Lower Upper

142 100

127 48.4 38.4 57.6

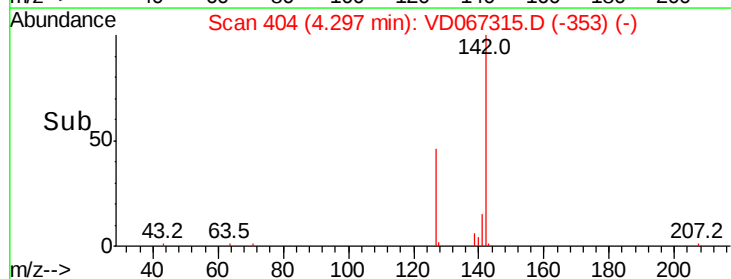
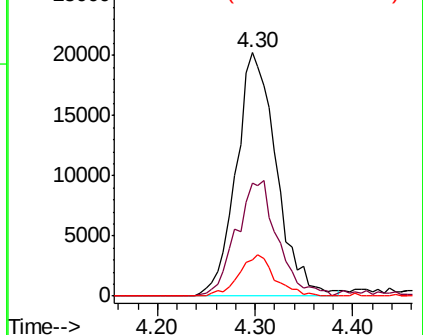
141 15.0 11.6 17.4

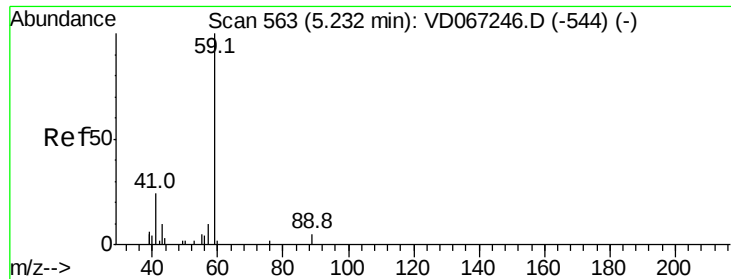


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



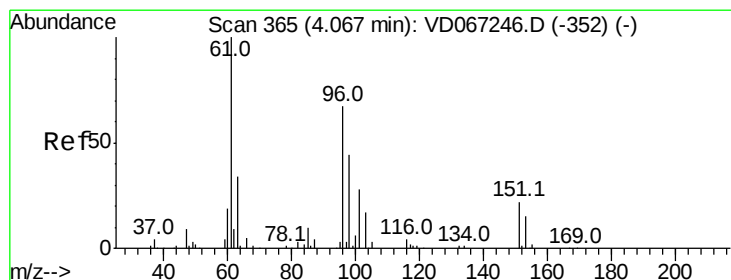
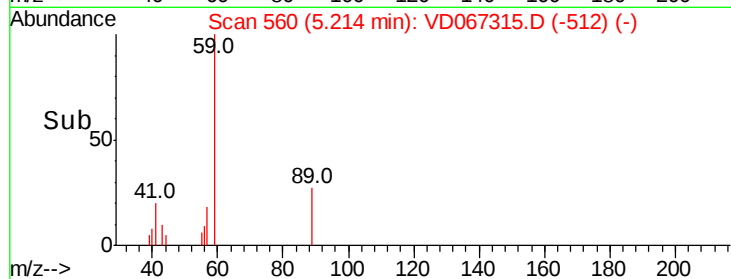
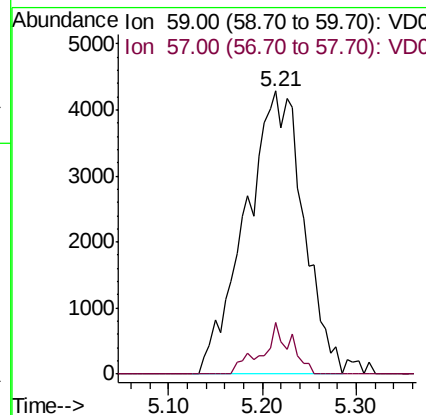
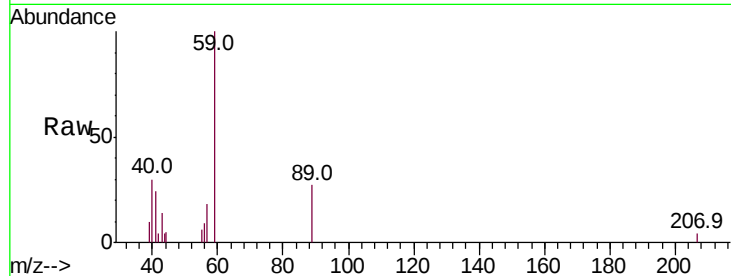


#11

Tert butyl alcohol
Concen: 75.556 ug/l
RT: 5.21 min Scan# 560
Delta R.T. -0.02 min
Lab File: VD067315.D
Acq: 20 Oct 2020 11:12

Instrument :
MSVOA_D
ClientSampleId :
VD1020SBS01

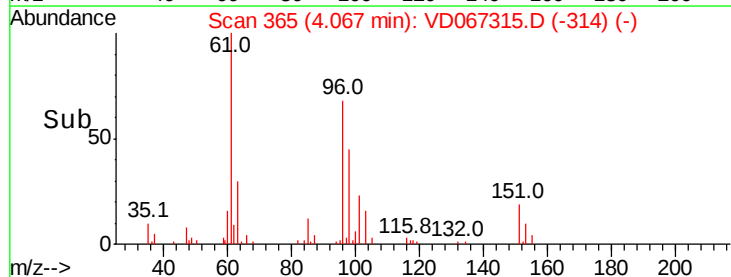
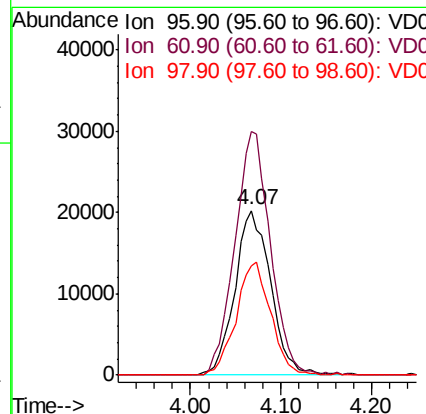
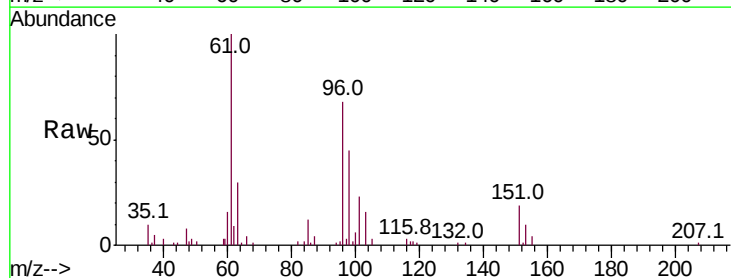
Tot Ion: 59 Resp: 18346
Ion Ratio Lower Upper
59 100
57 6.2 5.1 7.7

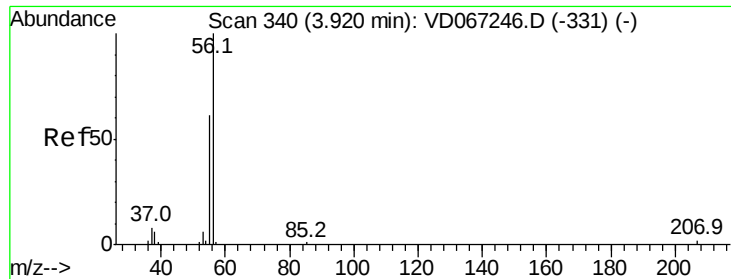


#12

1,1-Dichloroethene
Concen: 20.460 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.00 min
Lab File: VD067315.D
Acq: 20 Oct 2020 11:12

Tgt Ion: 96 Resp: 55392
Ion Ratio Lower Upper
96 100
61 147.7 118.6 177.8
98 66.0 51.8 77.6





#13

Acrolein

Concen: 75.061 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD067315.D

Acq: 20 Oct 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

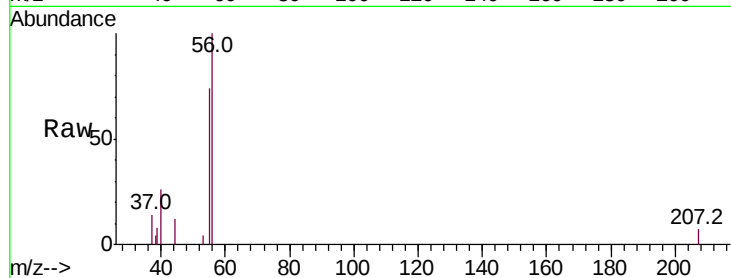
VD1020SBS01

Tot Ion: 56 Resp: 11483

Ion Ratio Lower Upper

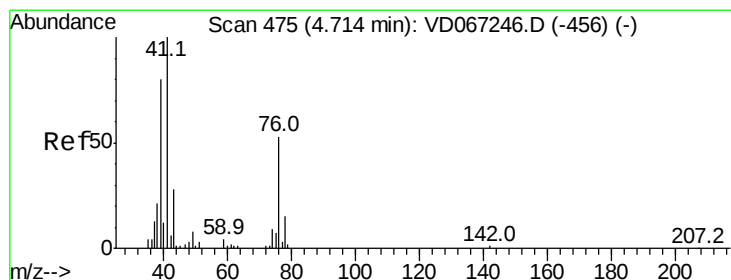
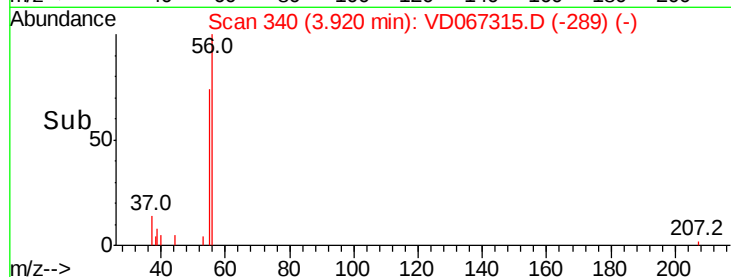
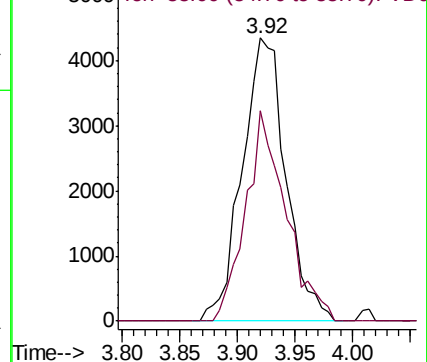
56 100

55 68.2 56.0 84.0



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.583 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD067315.D

Acq: 20 Oct 2020 11:12

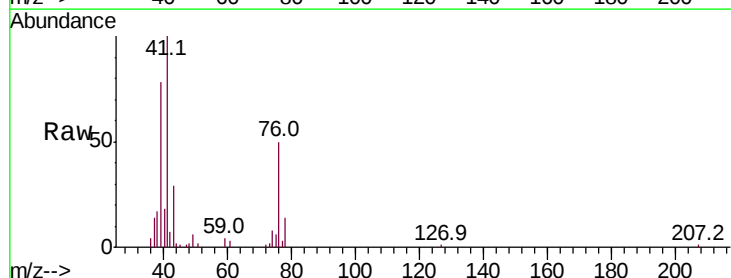
Tgt Ion: 41 Resp: 63815

Ion Ratio Lower Upper

41 100

39 78.8 63.8 95.6

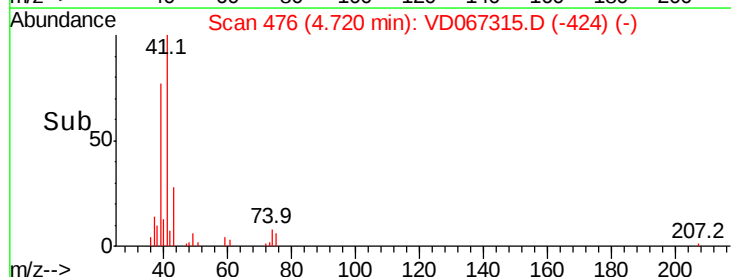
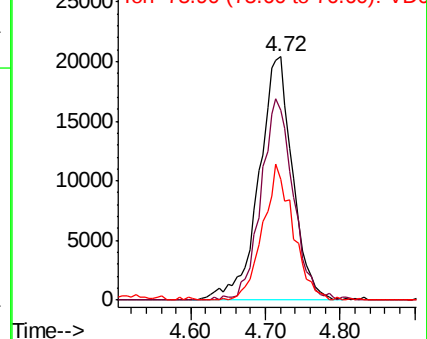
76 50.2 40.4 60.6

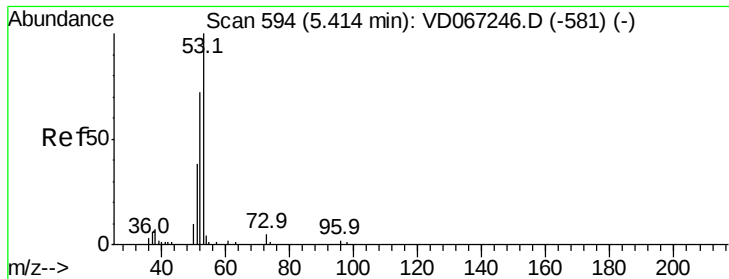


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 102.464 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD067315.D

Acq: 20 Oct 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

VD1020SBS01

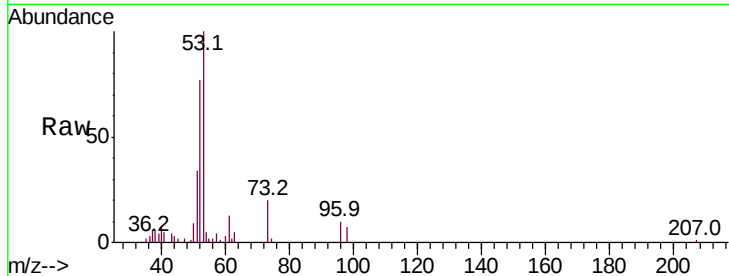
Tot Ion: 53 Resp: 44624

Ion Ratio Lower Upper

53 100

52 84.7 65.6 98.4

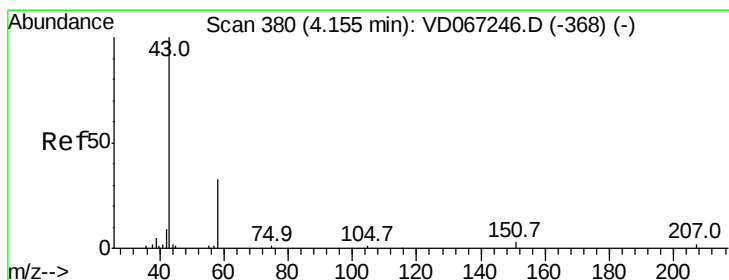
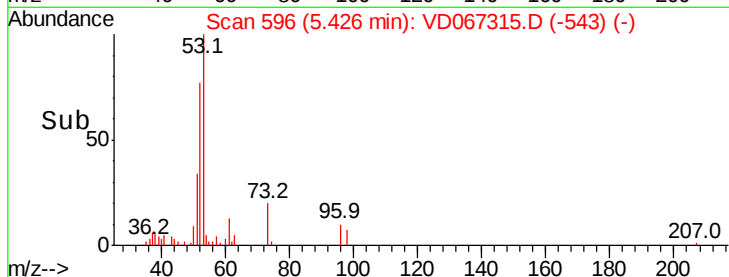
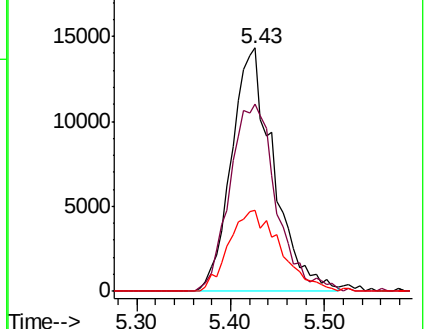
51 40.4 30.8 46.2



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: 99.526 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD067315.D

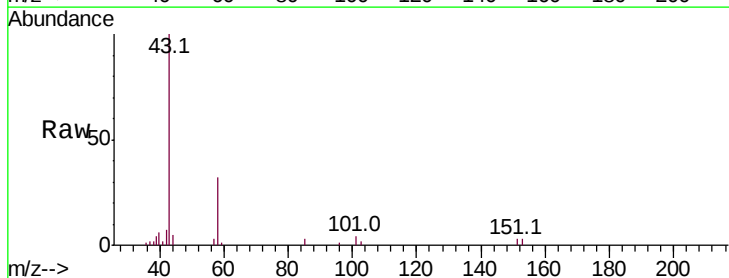
Acq: 20 Oct 2020 11:12

Tgt Ion: 43 Resp: 45808

Ion Ratio Lower Upper

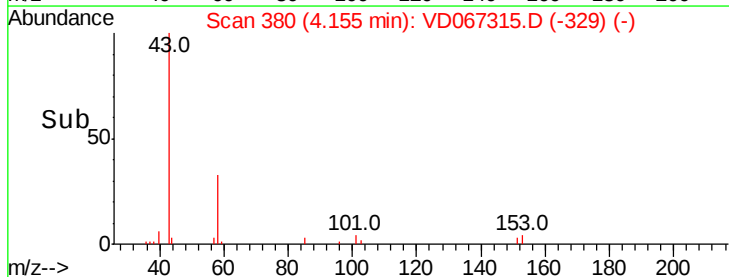
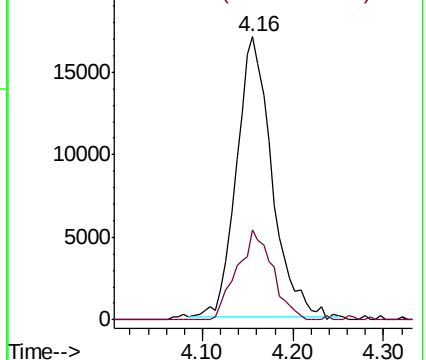
43 100

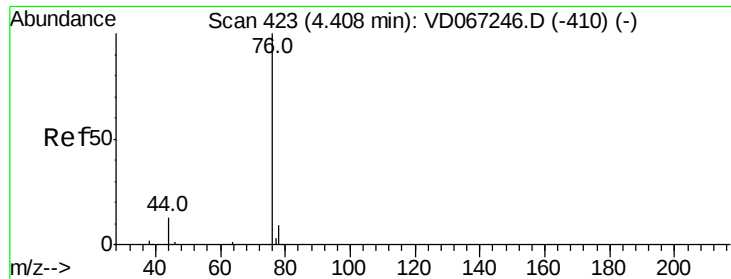
58 32.0 26.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

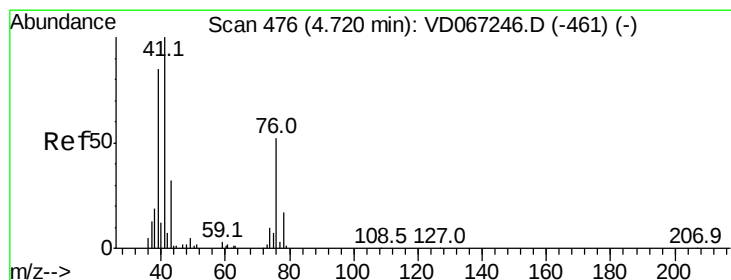
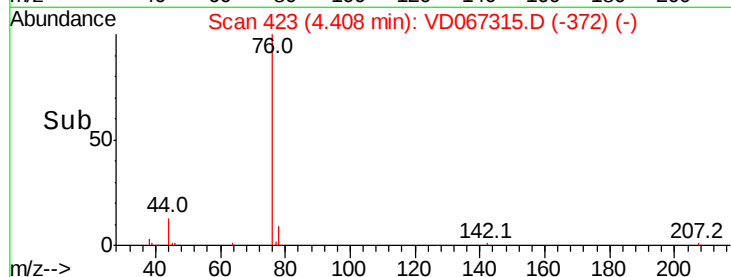
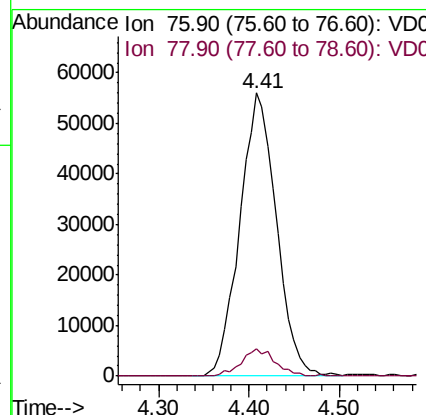
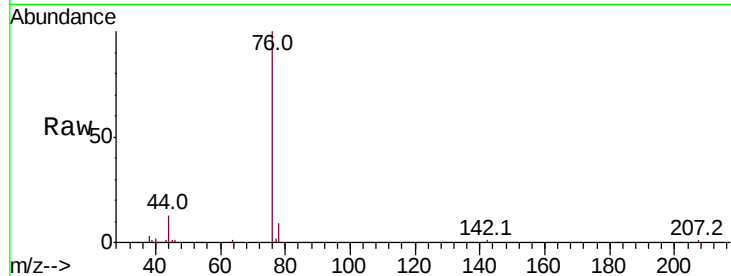




#17
Carbon Disulfide
Concen: 20.302 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD067315.D
Acq: 20 Oct 2020 11:12

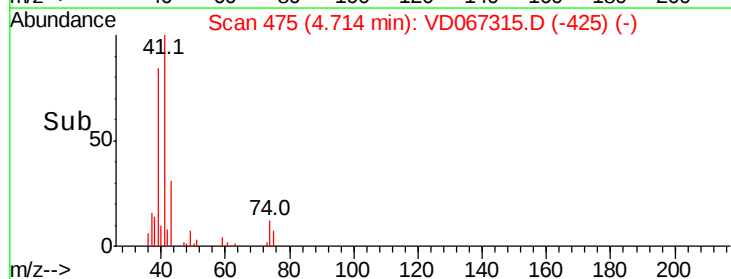
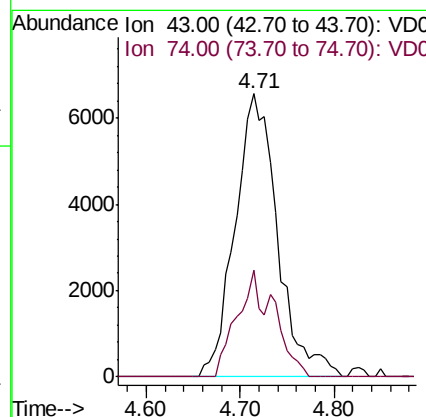
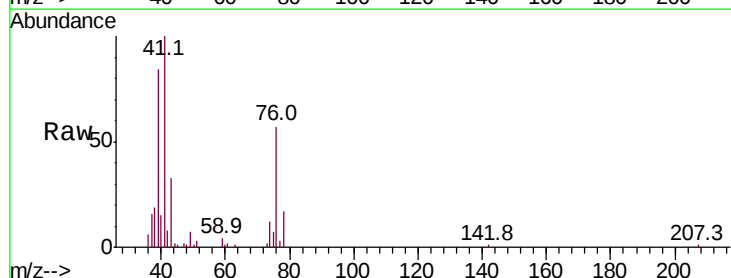
Instrument :
MSVOA_D
ClientSampleId :
VD1020SBS01

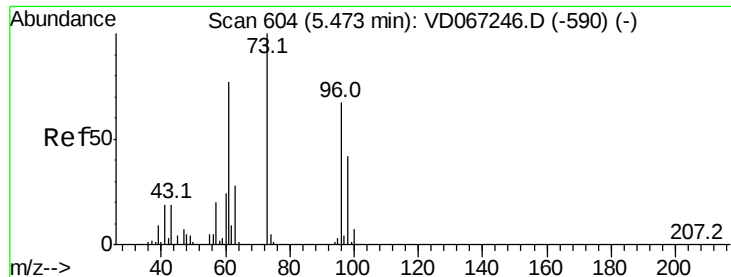
Tot Ion: 76 Resp: 156688
Ion Ratio Lower Upper
76 100
78 9.5 7.4 11.0



#18
Methyl Acetate
Concen: 19.610 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD067315.D
Acq: 20 Oct 2020 11:12

Tgt Ion: 43 Resp: 20586
Ion Ratio Lower Upper
43 100
74 21.9 26.6 39.8#

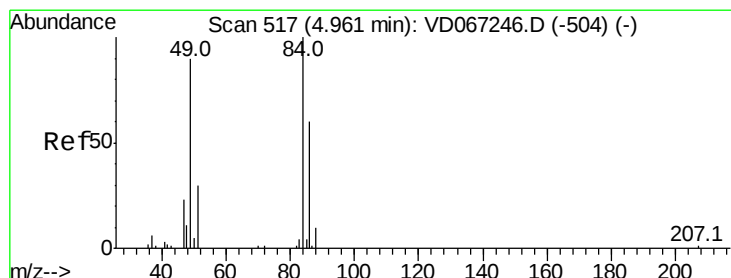
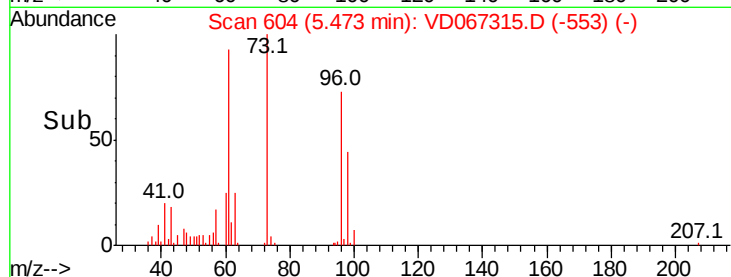
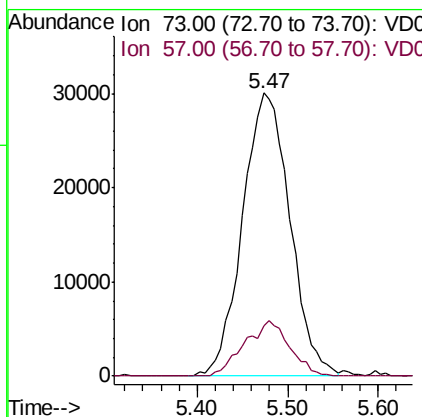
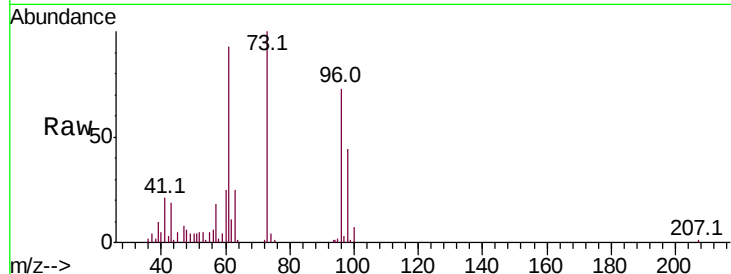




#19
Methvl tert-butvl Ether
Concen: 20.209 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD067315.D
Acq: 20 Oct 2020 11:12

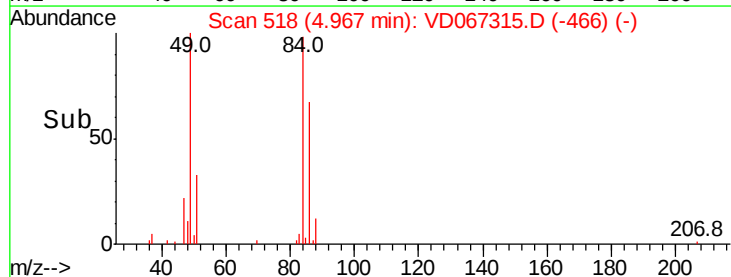
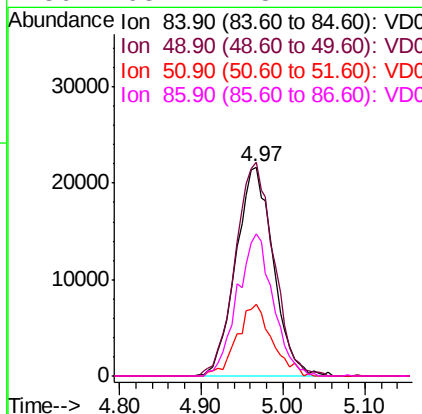
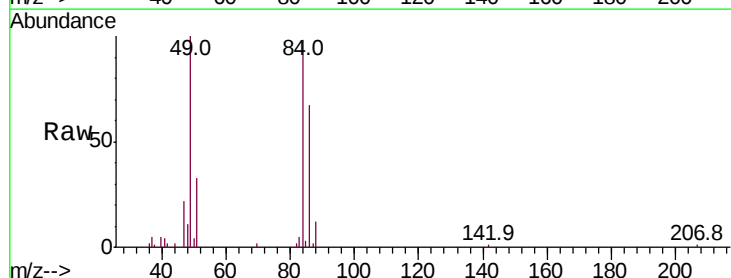
Instrument :
MSVOA_D
ClientSampleId :
VD1020SBS01

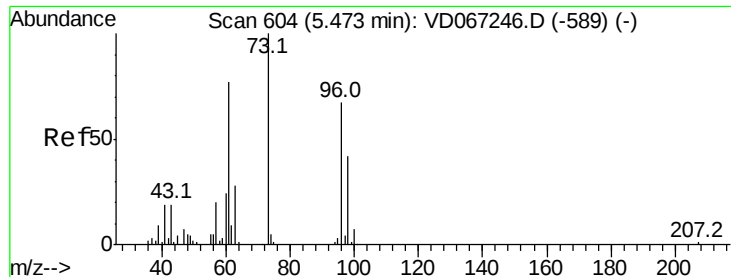
Tot Ion: 73 Resp: 108788
Ion Ratio Lower Upper
73 100
57 17.7 15.7 23.5



#20
Methylene Chloride
Concen: 20.857 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067315.D
Acq: 20 Oct 2020 11:12

Tgt Ion: 84 Resp: 69204
Ion Ratio Lower Upper
84 100
49 102.3 72.2 108.2
51 34.2 23.8 35.8
86 68.1 48.2 72.4





#21

trans-1,2-Dichloroethene

Concen: 21.049 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD067315.D

Acq: 20 Oct 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

VD1020SBS01

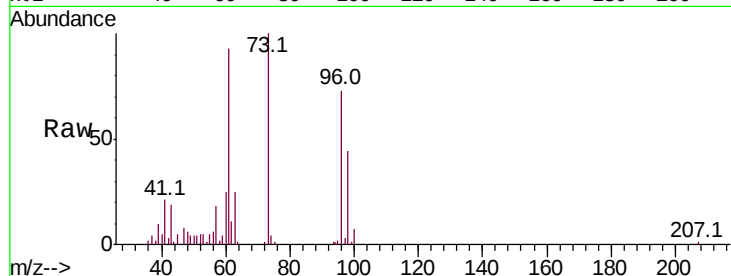
Tot Ion: 96 Resp: 65577

Ion Ratio Lower Upper

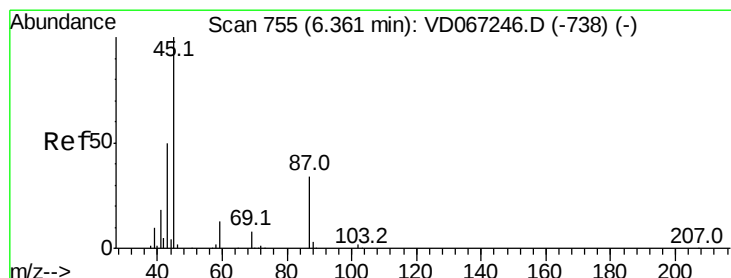
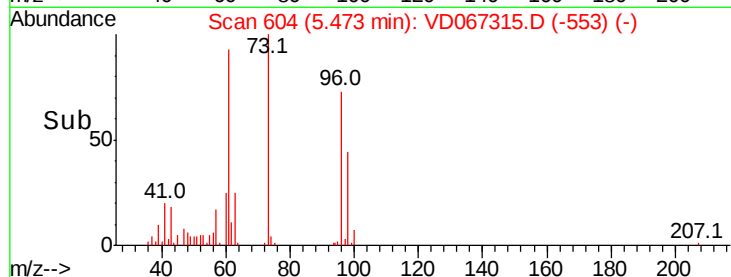
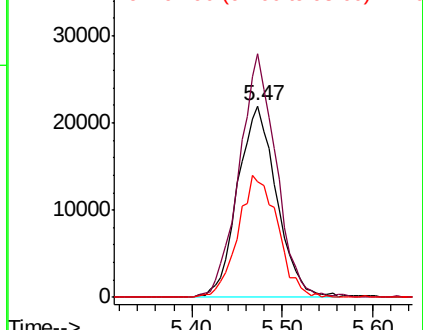
96 100

61 127.4 92.0 138.0

98 60.7 49.8 74.8



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



#22

Diisopropyl ether

Concen: 21.837 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.01 min

Lab File: VD067315.D

Acq: 20 Oct 2020 11:12

Tgt Ion: 45 Resp: 123678

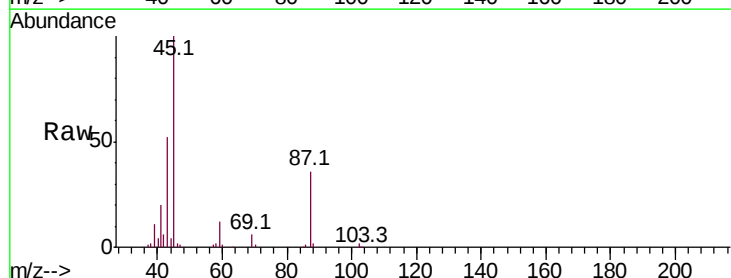
Ion Ratio Lower Upper

45 100

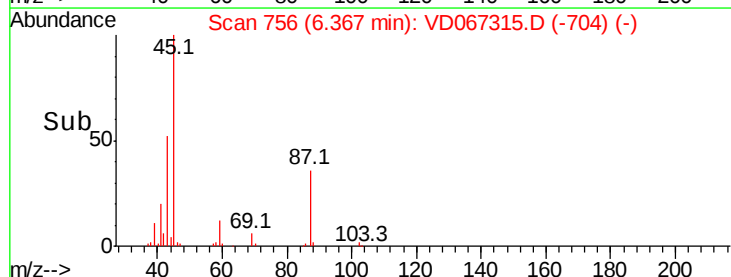
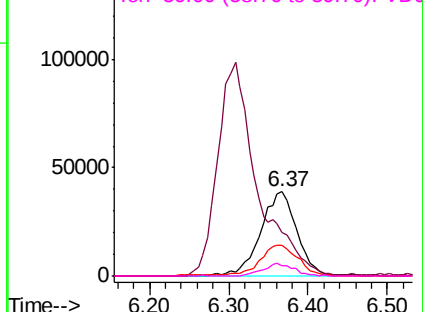
43 50.7 48.0 72.0

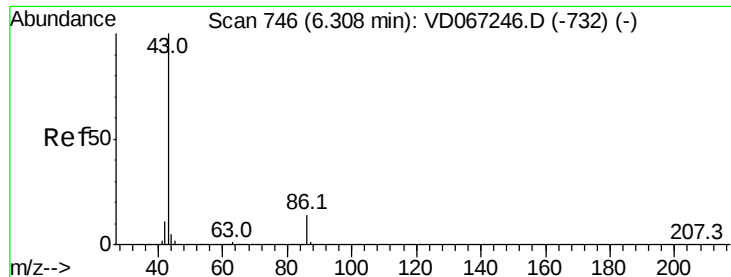
87 36.3 28.5 42.7

59 11.8 10.5 15.7



Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 106.479 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD067315.D

Acq: 20 Oct 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

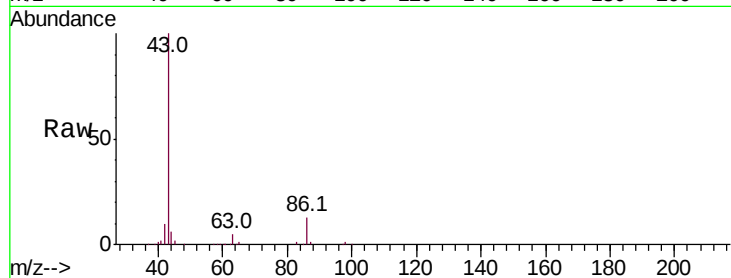
VD1020SBS01

Tot Ion: 43 Resp: 343095

Ion Ratio Lower Upper

43 100

86 12.9 11.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

100000

80000

60000

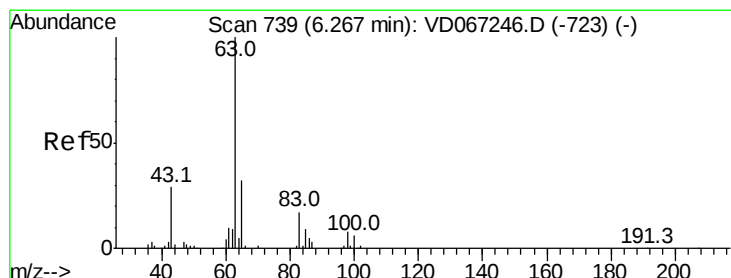
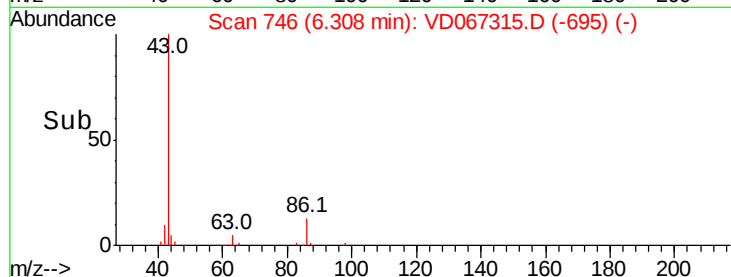
40000

20000

0

Time-->

6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 21.663 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD067315.D

Acq: 20 Oct 2020 11:12

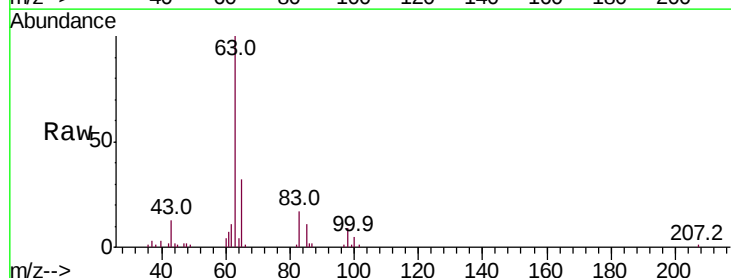
Tgt Ion: 63 Resp: 105024

Ion Ratio Lower Upper

63 100

98 9.1 4.0 12.2

100 4.7 2.8 8.4



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.26

40000

30000

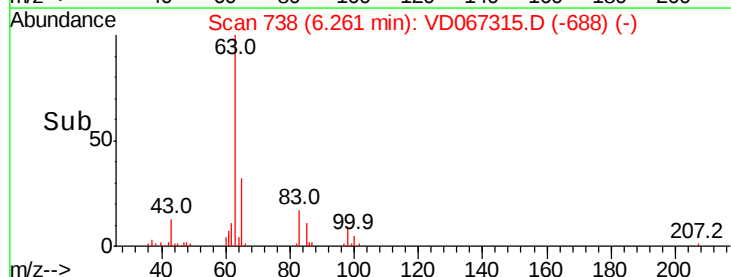
20000

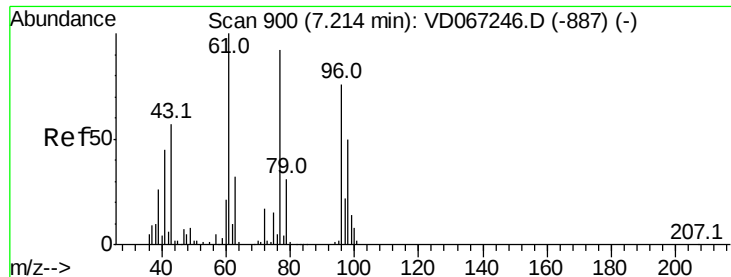
10000

0

Time-->

6.20 6.30 6.40





#25

2-Butanone

Concen: 106.376 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067315.D

Acq: 20 Oct 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

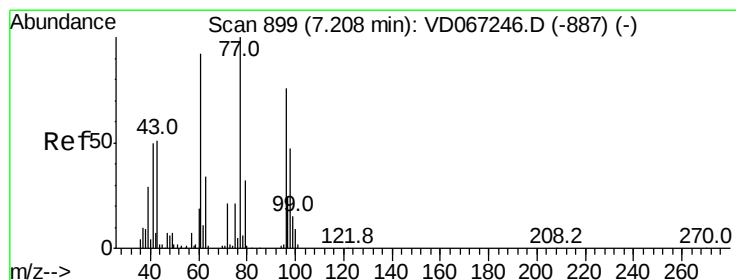
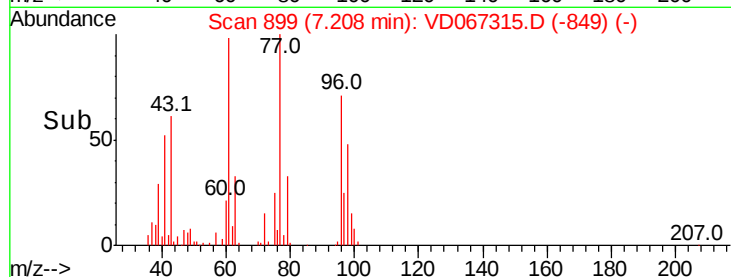
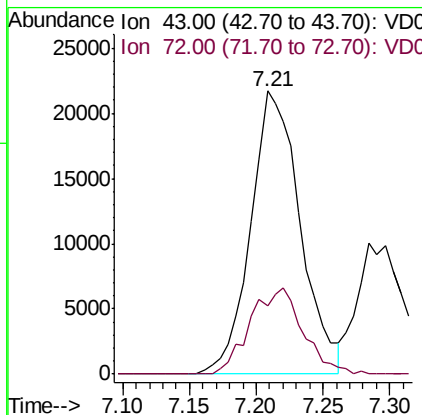
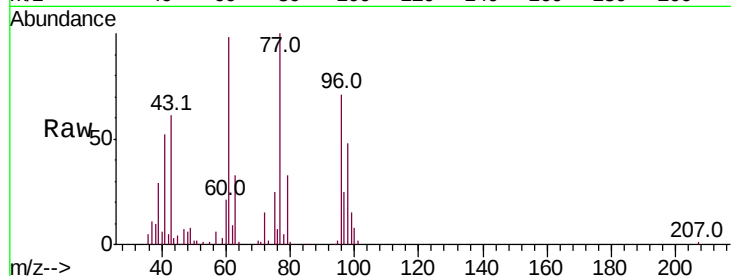
VD1020SBS01

Tot Ion: 43 Resp: 55810

Ion Ratio Lower Upper

43 100

72 24.2 23.7 35.5



#26

2,2-Dichloropropane

Concen: 21.328 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD067315.D

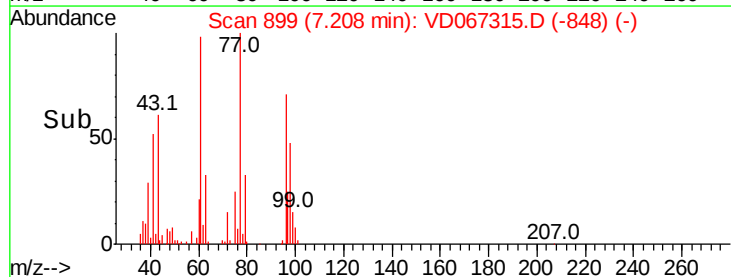
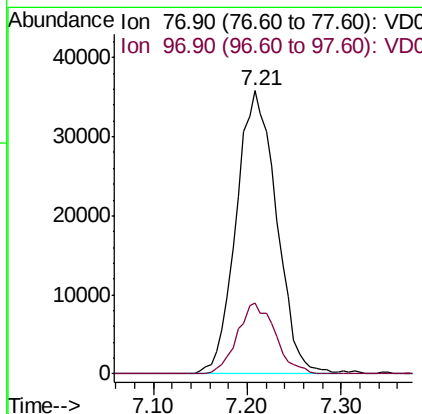
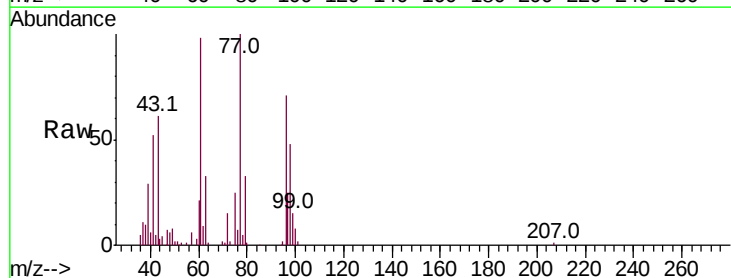
Acq: 20 Oct 2020 11:12

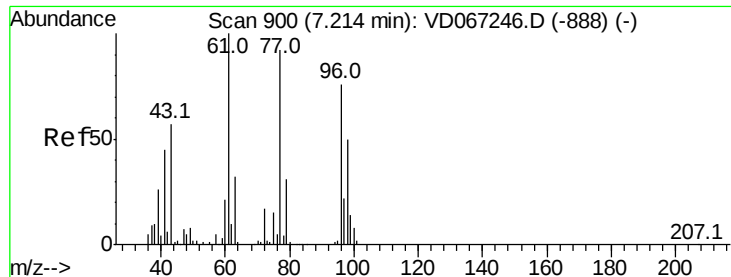
Tgt Ion: 77 Resp: 106577

Ion Ratio Lower Upper

77 100

97 23.5 11.4 34.2



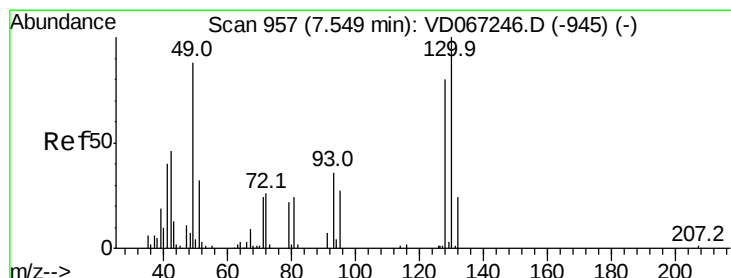
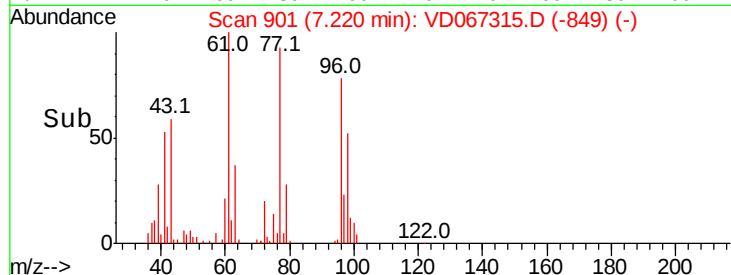
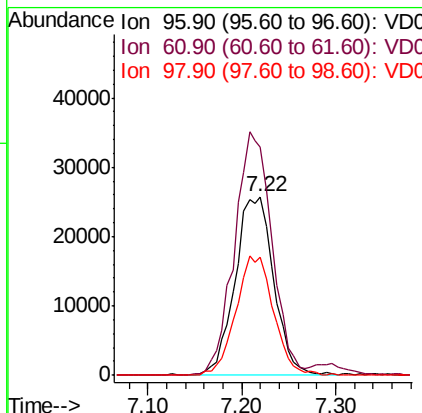
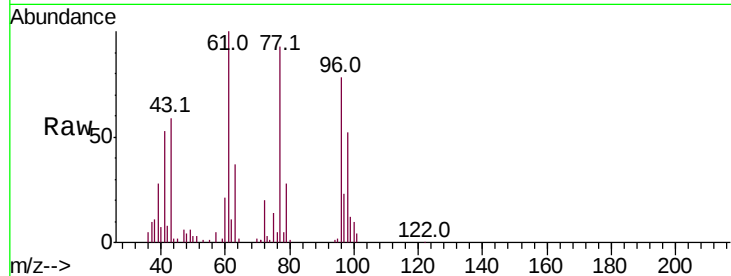


#27

cis-1,2-Dichloroethene
Concen: 21.556 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD067315.D
Acq: 20 Oct 2020 11:12

Instrument :
MSVOA_D
ClientSampleId :
VD1020SBS01

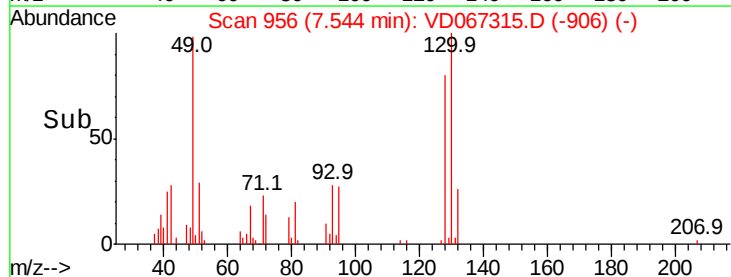
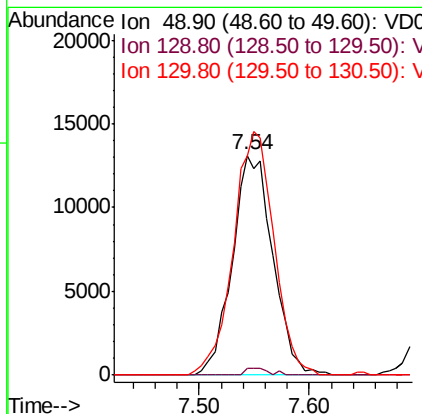
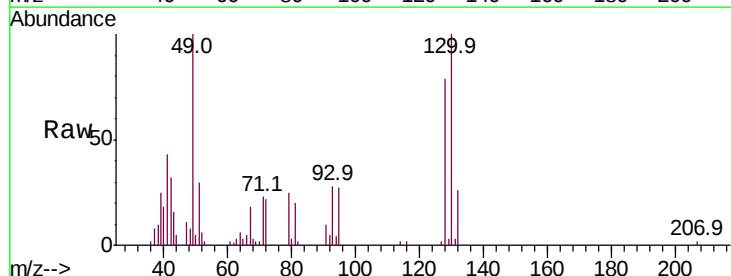
Tot Ion: 96 Resp: 73604
Ion Ratio Lower Upper
96 100
61 131.8 0.0 255.4
98 64.7 0.0 128.0

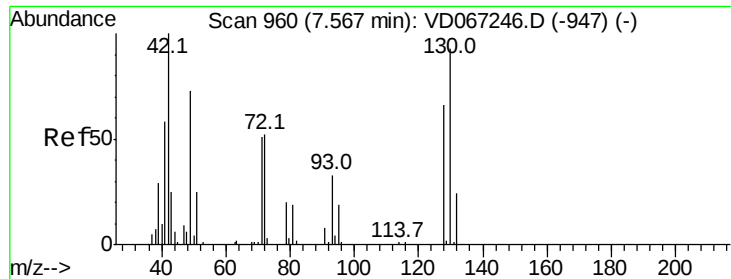


#28

Bromochloromethane
Concen: 20.386 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD067315.D
Acq: 20 Oct 2020 11:12

Tgt Ion: 49 Resp: 33712
Ion Ratio Lower Upper
49 100
129 1.8 0.0 1.6#
130 111.0 91.0 136.6

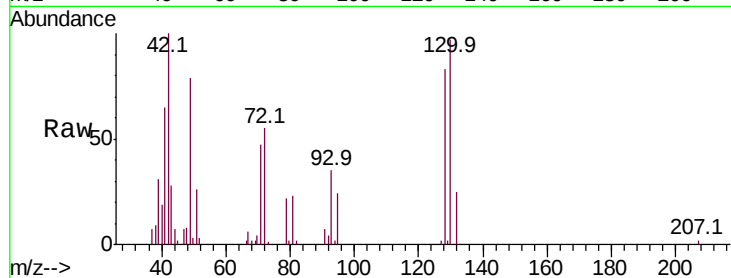




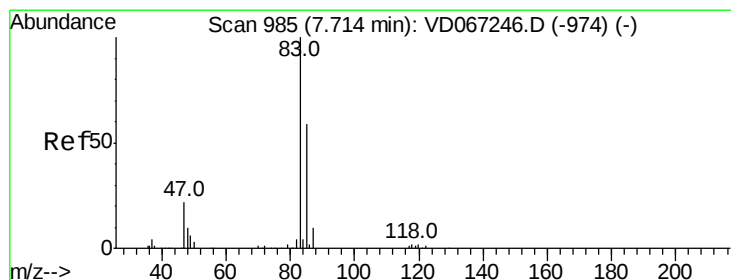
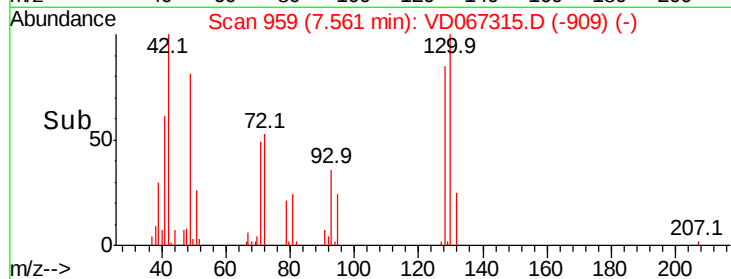
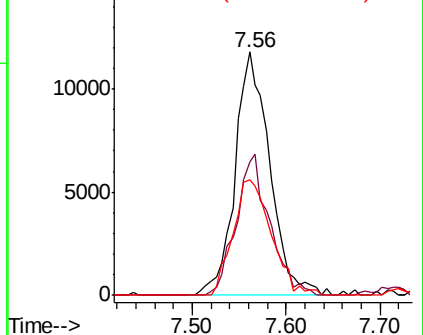
#29
Tetrahydrofuran
Concen: 103.476 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.01 min
Lab File: VD067315.D
Acq: 20 Oct 2020 11:12

Instrument :
MSVOA_D
ClientSampleId :
VD1020SBS01

Tot Ion: 42 Resp: 30178
Ion Ratio Lower Upper
42 100
72 56.1 43.2 64.8
71 52.5 39.4 59.0

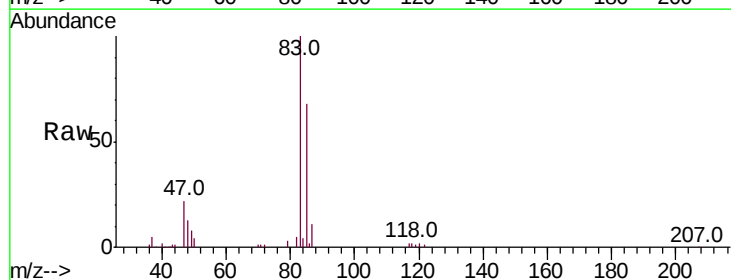


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

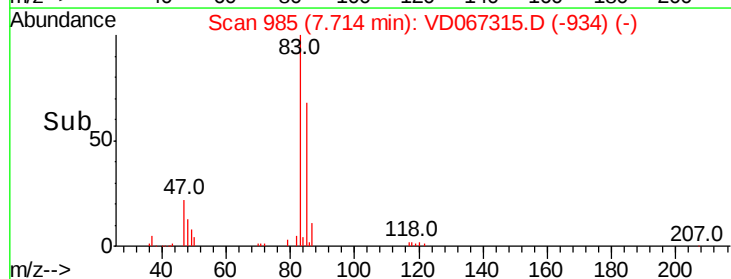
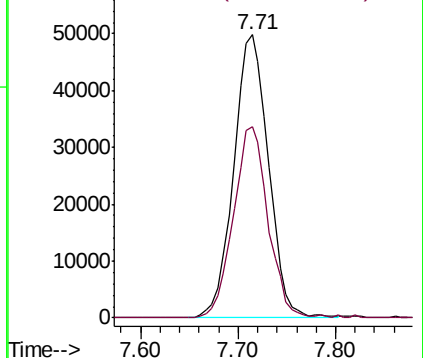


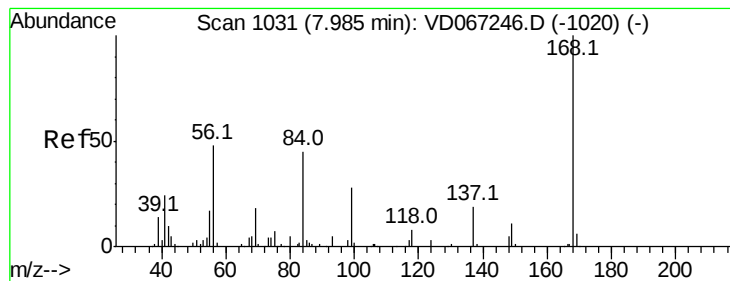
#30
Chloroform
Concen: 21.232 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD067315.D
Acq: 20 Oct 2020 11:12

Tgt Ion: 83 Resp: 122970
Ion Ratio Lower Upper
83 100
85 67.6 47.3 70.9



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





#31

Cyclohexane

Concen: 20.546 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067315.D

Acq: 20 Oct 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

VD1020SBS01

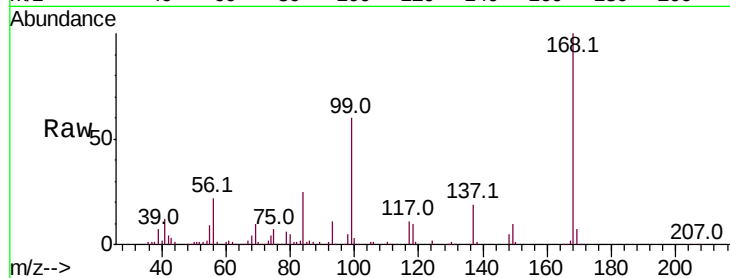
Tot Ion: 56 Resp: 77771

Ion Ratio Lower Upper

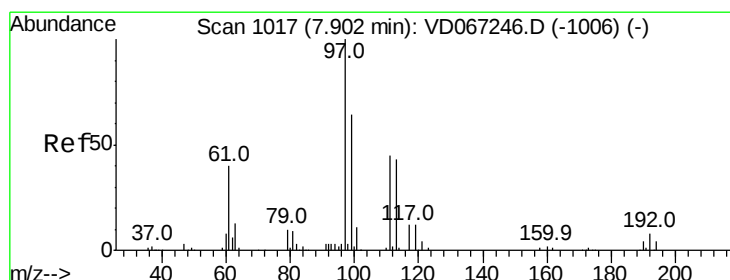
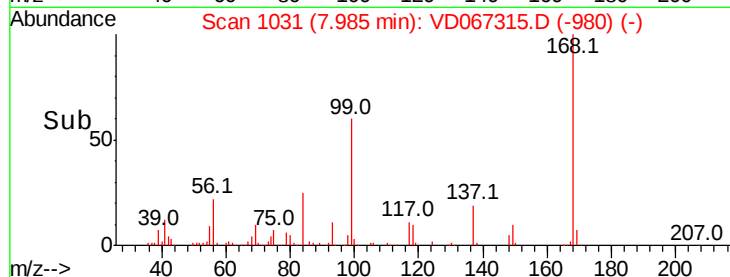
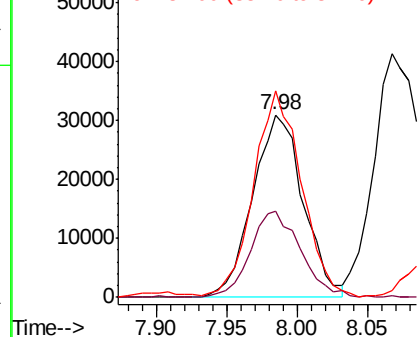
56 100

69 47.0 29.8 44.6#

84 111.7 76.6 114.8



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



#32

1,1,1-Trichloroethane

Concen: 21.196 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VD067315.D

Acq: 20 Oct 2020 11:12

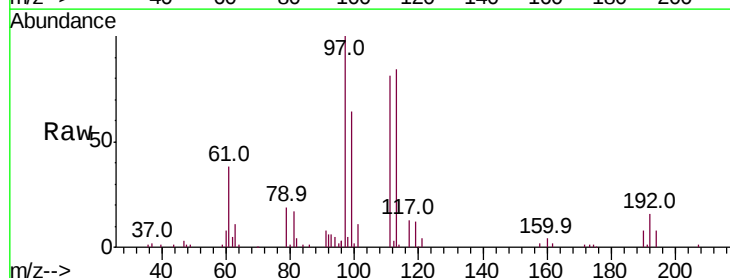
Tgt Ion: 97 Resp: 120446

Ion Ratio Lower Upper

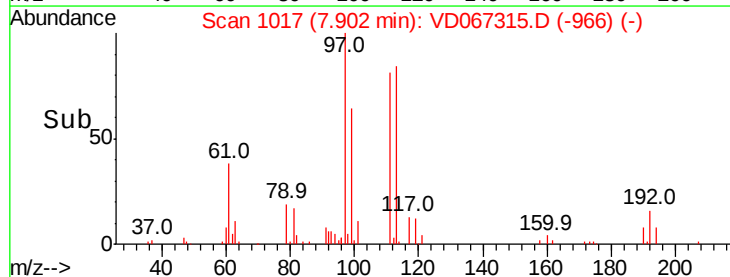
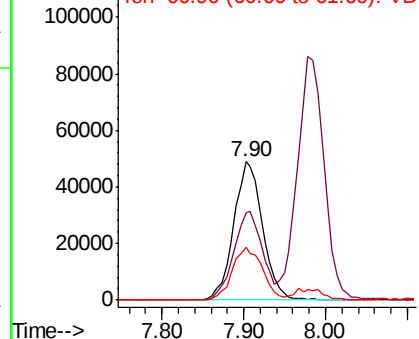
97 100

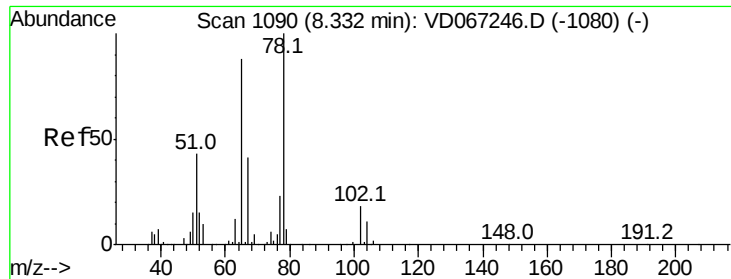
99 63.5 50.2 75.4

61 39.5 30.5 45.7



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

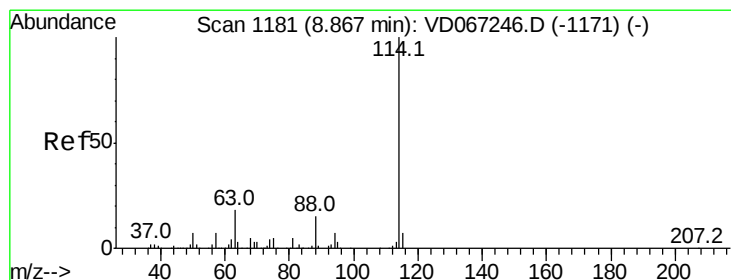
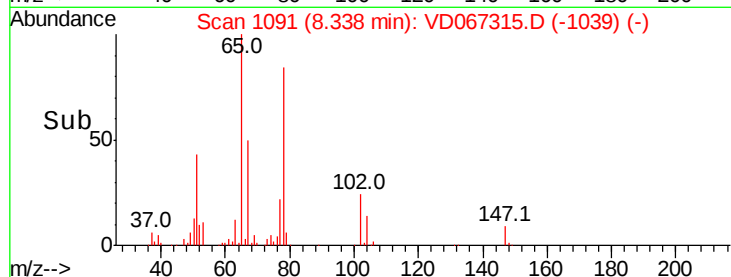
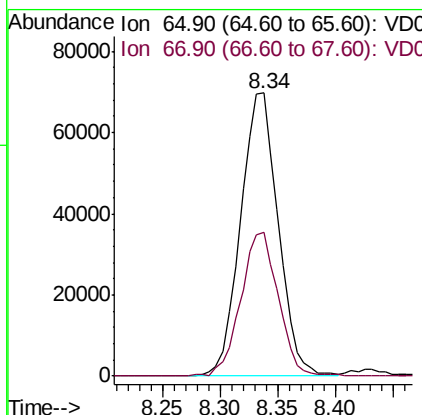
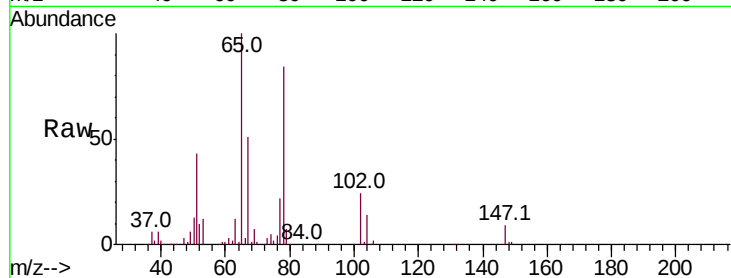




#33
 1,2-Dichloroethane-d4
 Concen: 48.099 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD067315.D
 Acq: 20 Oct 2020 11:12

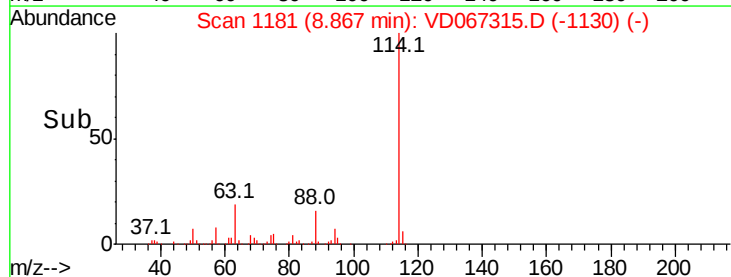
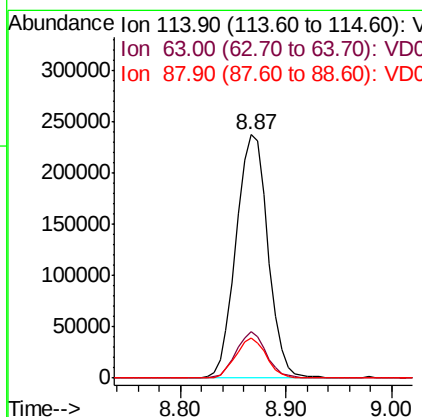
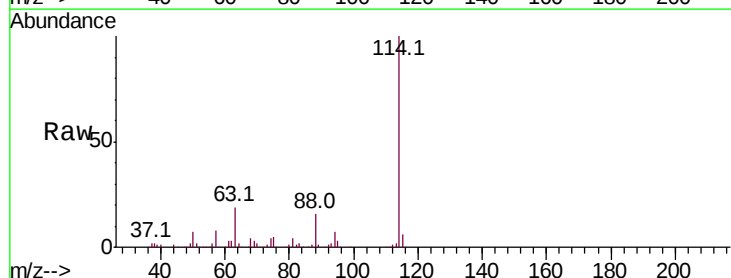
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1020SBS01

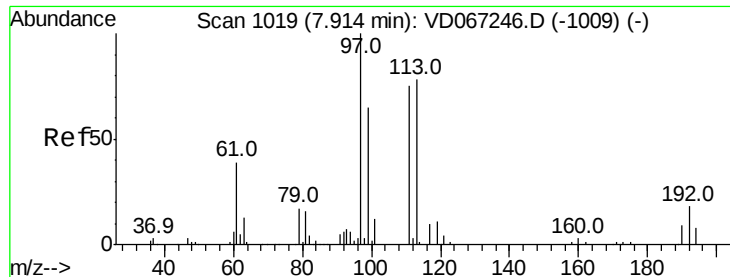
Tot Ion: 65 Resp: 158072
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067315.D
 Acq: 20 Oct 2020 11:12

Tgt Ion: 114 Resp: 498891
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 35.0
 88 16.4 0.0 30.6

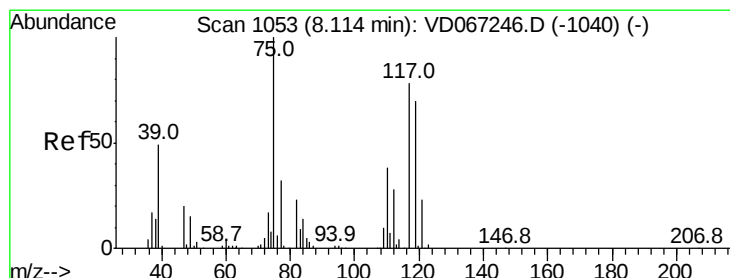
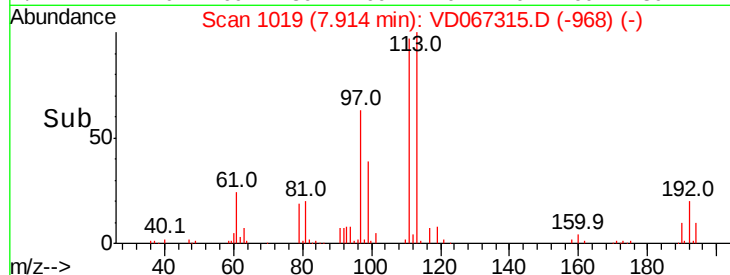
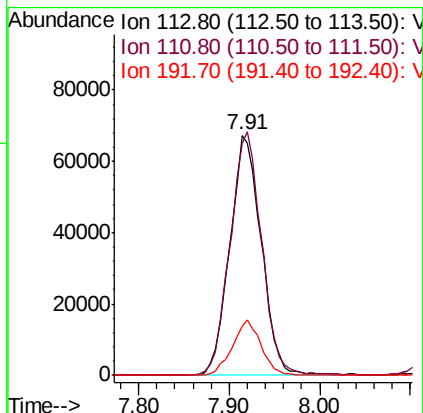
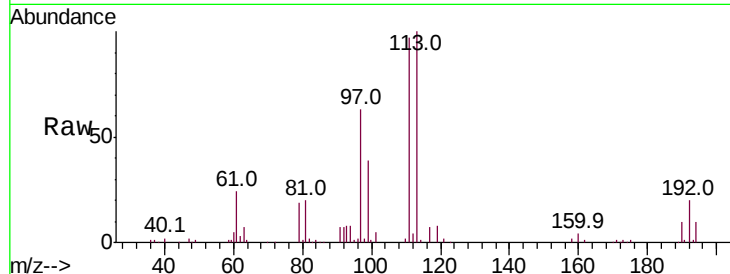




#35
 Dibromofluoromethane
 Concen: 48.803 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD067315.D
 Acq: 20 Oct 2020 11:12

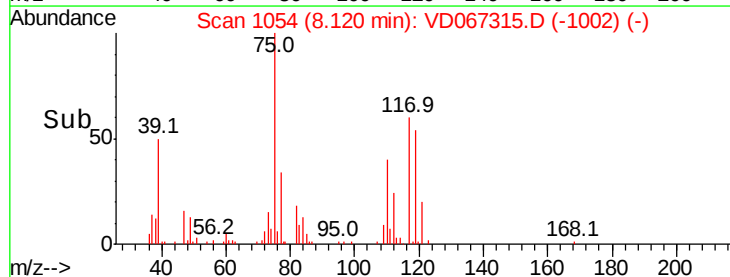
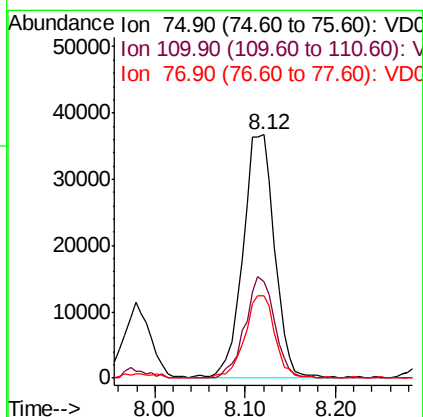
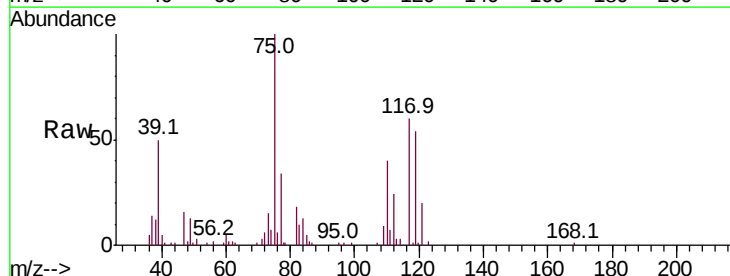
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1020SBS01

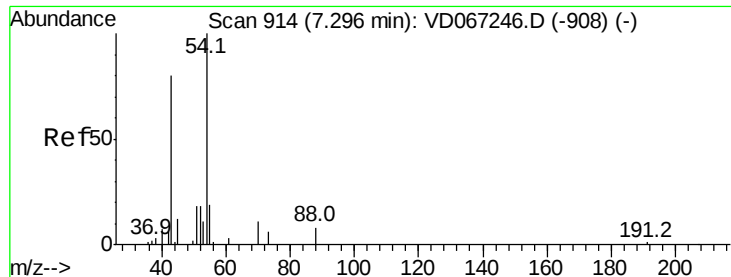
Tot Ion:113 Resp: 162031
 Ion Ratio Lower Upper
 113 100
 111 101.9 81.6 122.4
 192 21.2 17.0 25.4



#36
 1,1-Dichloropropene
 Concen: 21.113 ug/l
 RT: 8.12 min Scan# 1054
 Delta R.T. 0.01 min
 Lab File: VD067315.D
 Acq: 20 Oct 2020 11:12

Tgt Ion: 75 Resp: 89273
 Ion Ratio Lower Upper
 75 100
 110 38.7 19.6 58.7
 77 32.0 24.6 37.0

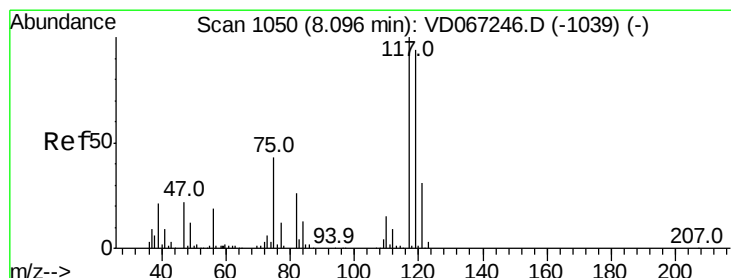
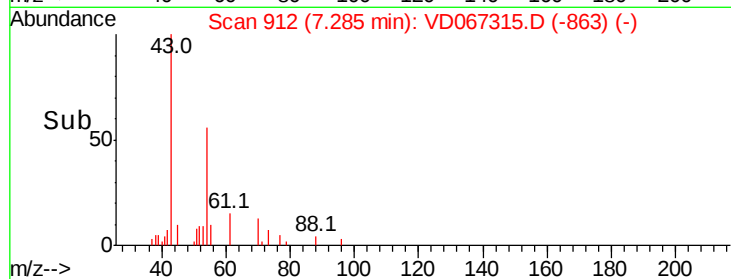
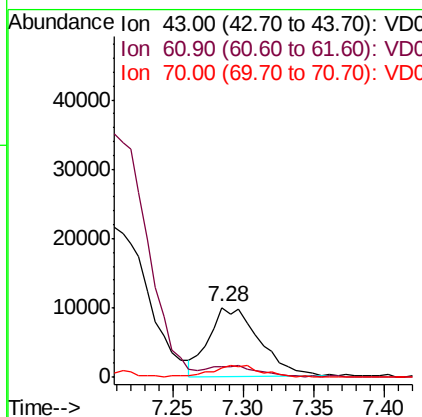
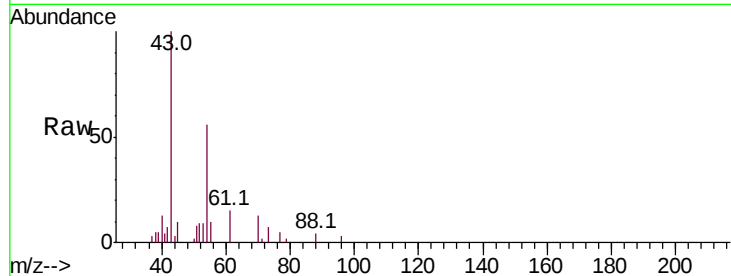




#37
Ethyl Acetate
Concen: 19.743 ug/l
RT: 7.28 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD067315.D
Acq: 20 Oct 2020 11:12

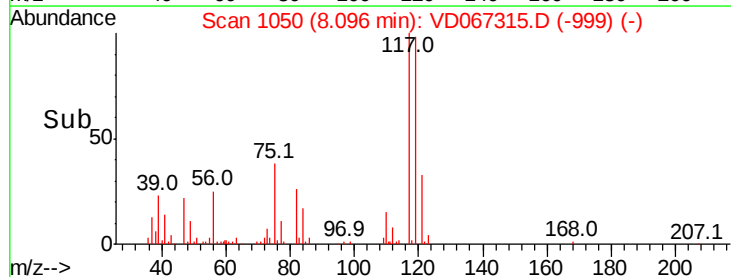
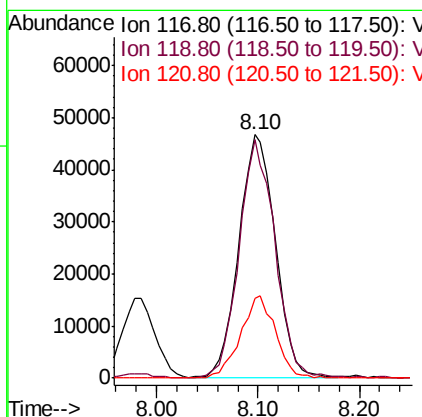
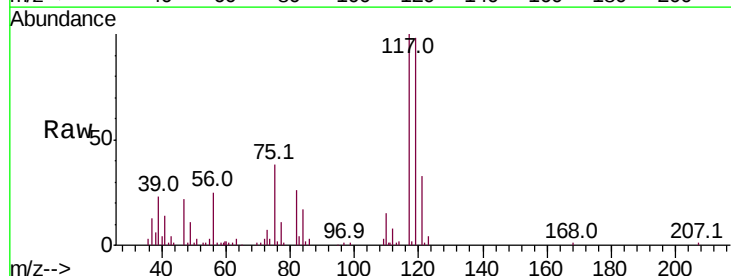
Instrument :
MSVOA_D
ClientSampleId :
VD1020SBS01

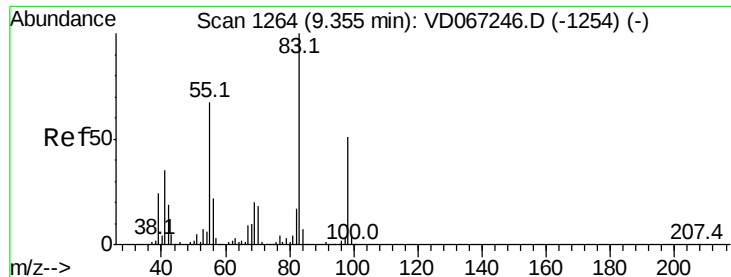
Tot Ion: 43 Resp: 24562
Ion Ratio Lower Upper
43 100
61 17.4 15.6 23.4
70 17.4 10.4 15.6#



#38
Carbon Tetrachloride
Concen: 21.691 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD067315.D
Acq: 20 Oct 2020 11:12

Tgt Ion: 117 Resp: 117226
Ion Ratio Lower Upper
117 100
119 97.8 75.0 112.4
121 32.6 24.9 37.3

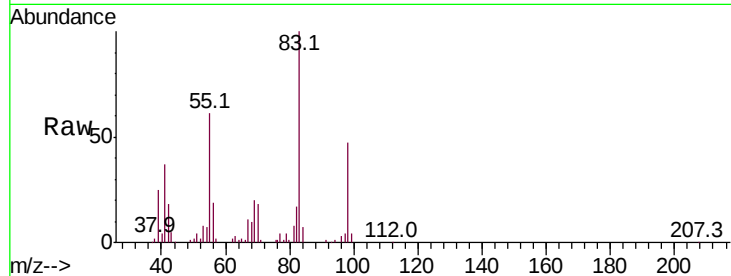




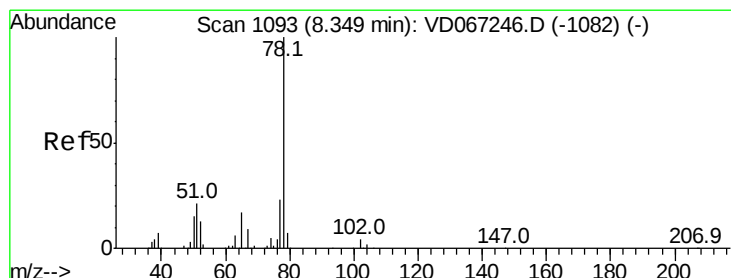
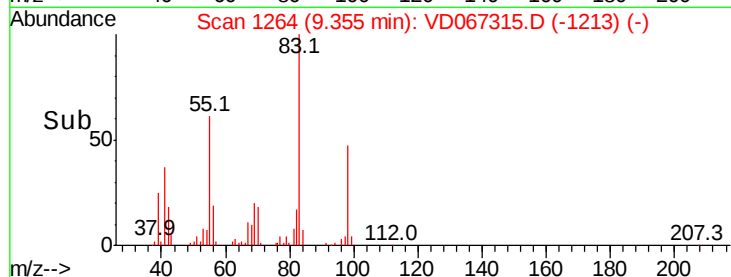
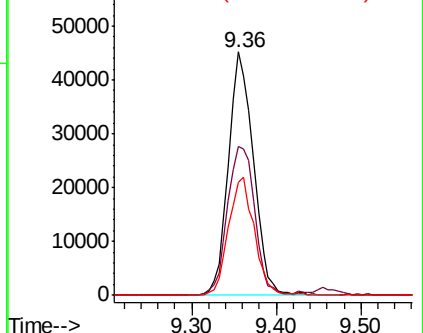
#39
Methvlcvclohexane
Concen: 20.867 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067315.D
Acq: 20 Oct 2020 11:12

Instrument :
MSVOA_D
ClientSampleId :
VD1020SBS01

Tot Ion	83	Resp	92242
Ion Ratio	Lower	Upper	
83	100		
55	61.2	53.3	79.9
98	46.6	41.0	61.4

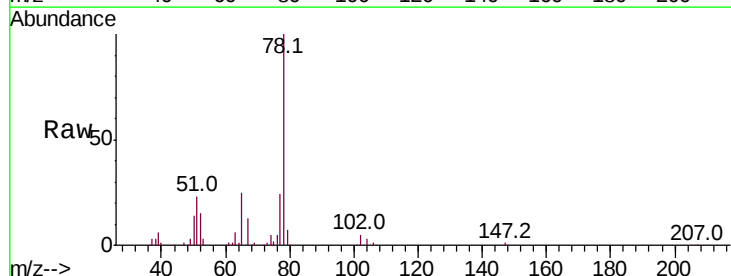


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

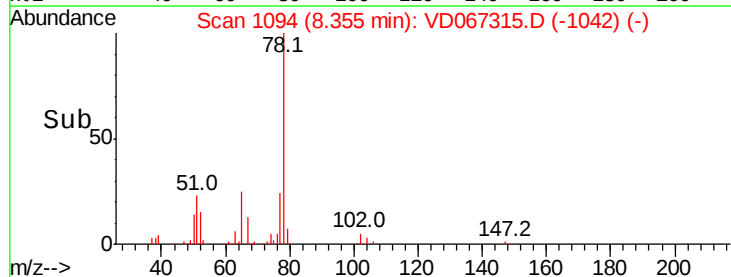
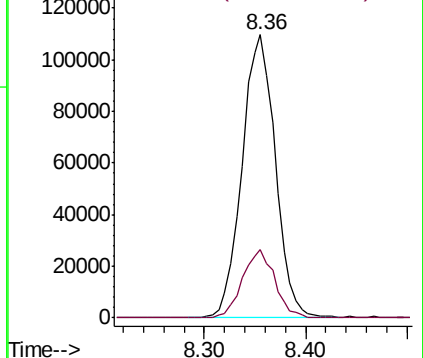


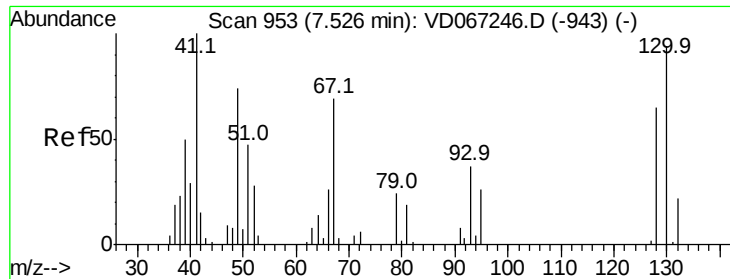
#40
Benzene
Concen: 21.575 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD067315.D
Acq: 20 Oct 2020 11:12

Tgt Ion	78	Resp	250271
Ion Ratio	Lower	Upper	
78	100		
77	24.0	18.3	27.5



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

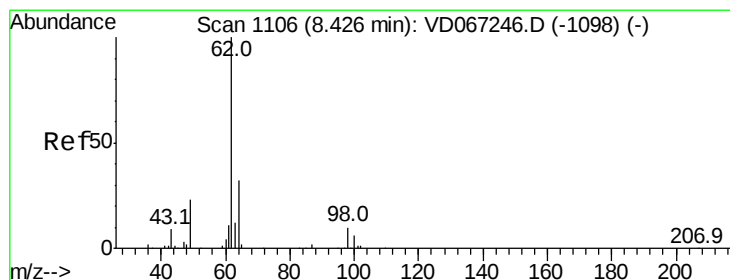
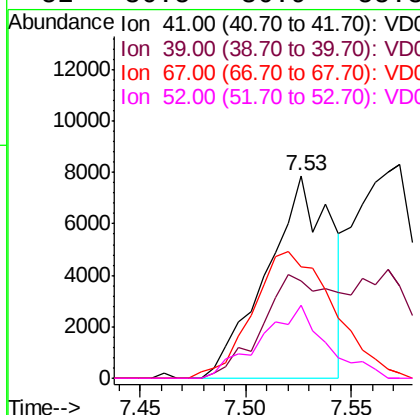
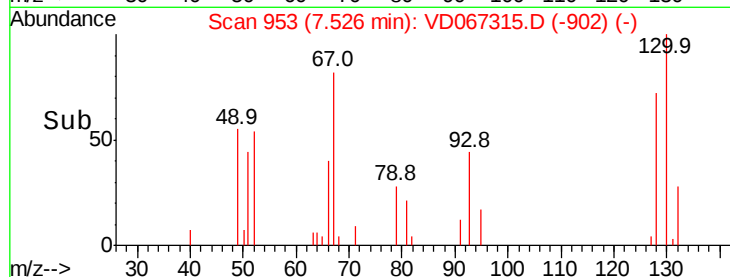
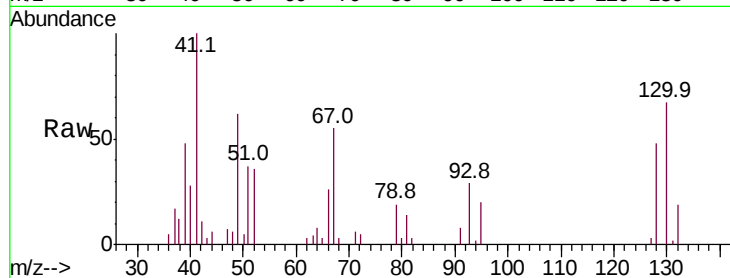




#41
Methacrylonitrile
Concen: 24.857 ug/l
RT: 7.53 min Scan# 953
Delta R.T. 0.00 min
Lab File: VD067315.D
Acq: 20 Oct 2020 11:12

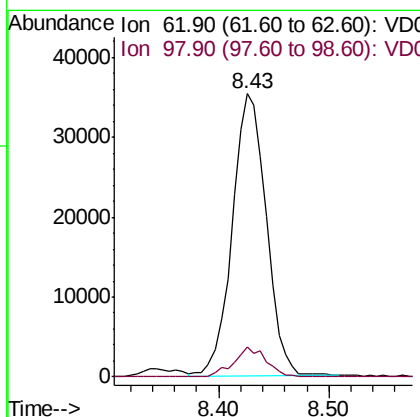
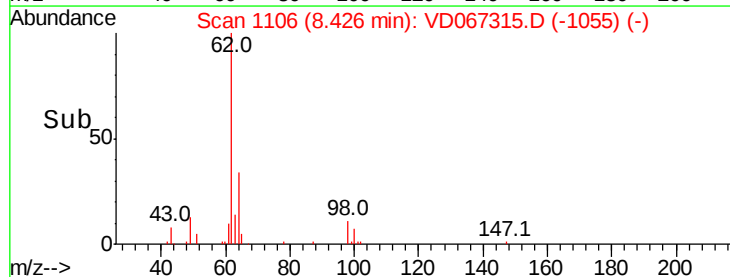
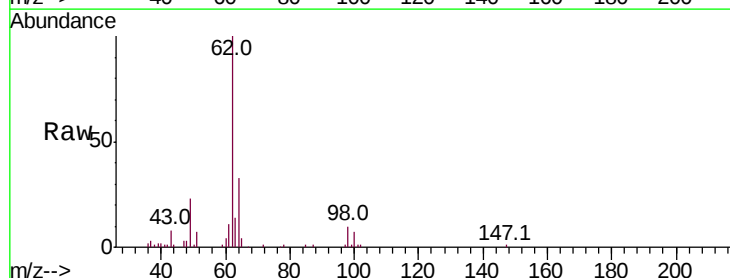
Instrument :
MSVOA_D
ClientSampleId :
VD1020SBS01

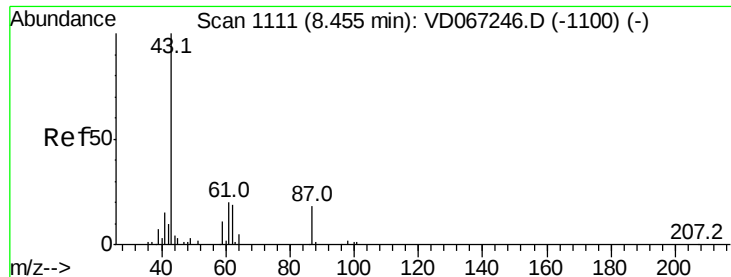
Tot Ion: 41 Resp: 16711
Ion Ratio Lower Upper
41 100
39 55.2 60.0 90.0#
67 78.6 88.9 133.3#
52 36.5 36.9 55.3#



#42
1,2-Dichloroethane
Concen: 21.082 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD067315.D
Acq: 20 Oct 2020 11:12

Tgt Ion: 62 Resp: 76534
Ion Ratio Lower Upper
62 100
98 10.0 0.0 19.4





#43

Isopropyl Acetate

Concen: 20.854 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD067315.D

Acq: 20 Oct 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

VD1020SBS01

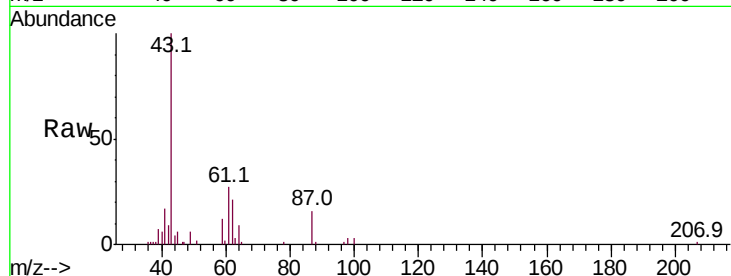
Tot Ion: 43 Resp: 51480

Ion Ratio Lower Upper

43 100

61 38.5 29.5 44.3

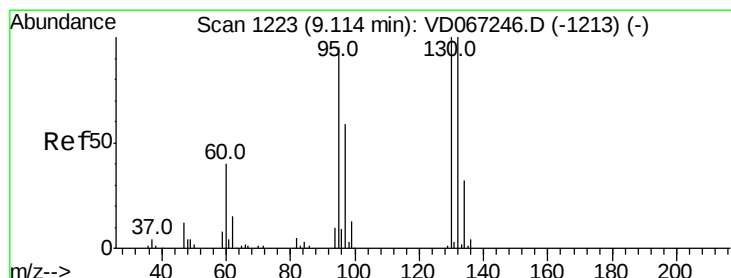
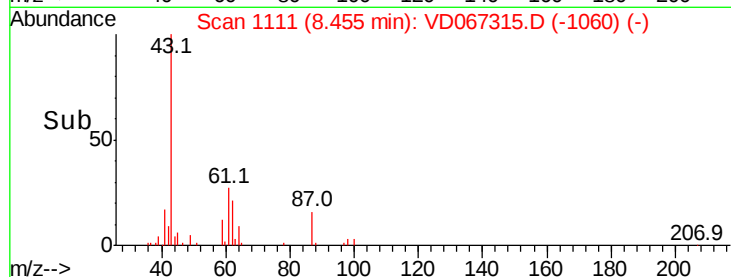
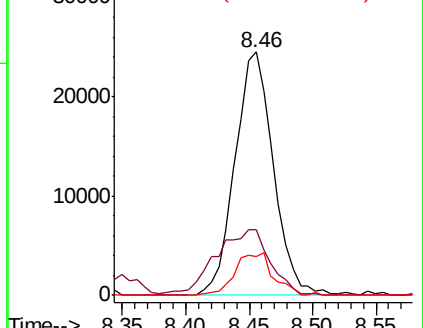
87 17.1 14.2 21.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 21.477 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD067315.D

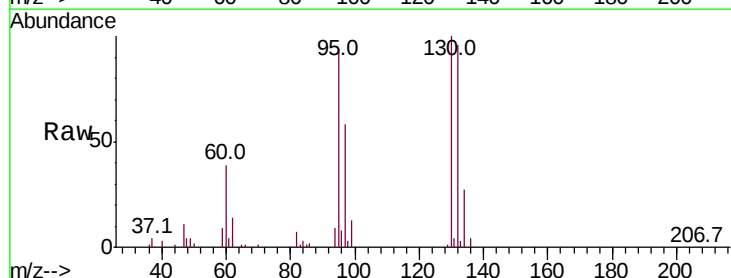
Acq: 20 Oct 2020 11:12

Tgt Ion: 130 Resp: 79768

Ion Ratio Lower Upper

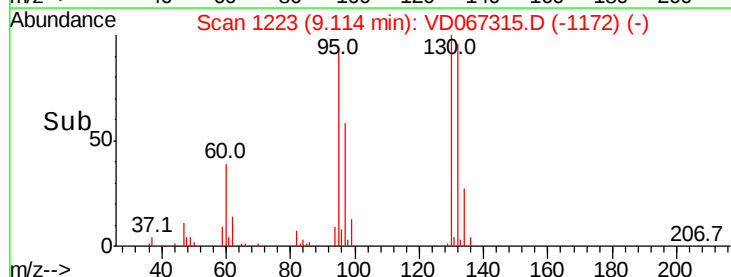
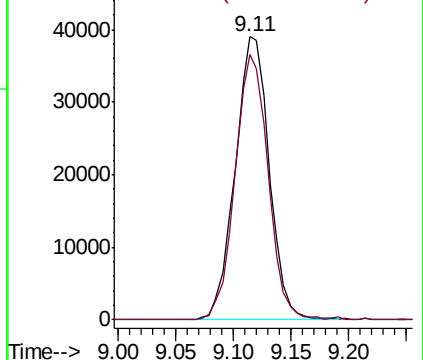
130 100

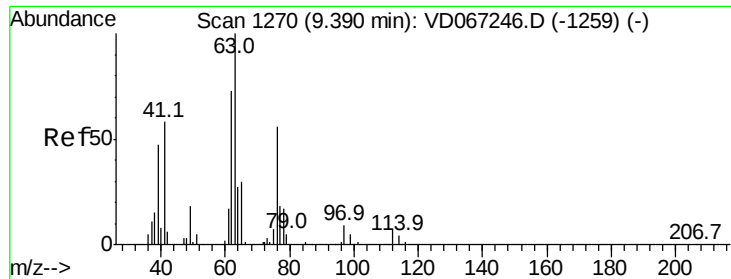
95 93.9 0.0 190.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 21.621 ug/l

RT: 9.40 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VD067315.D

Acq: 20 Oct 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

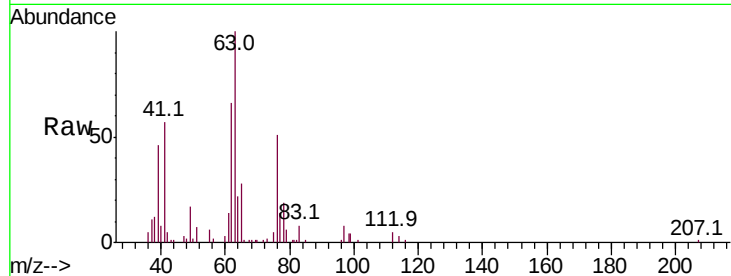
VD1020SBS01

Tot Ion: 63 Resp: 58128

Ion Ratio Lower Upper

63 100

65 28.4 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.40

25000

20000

15000

10000

5000

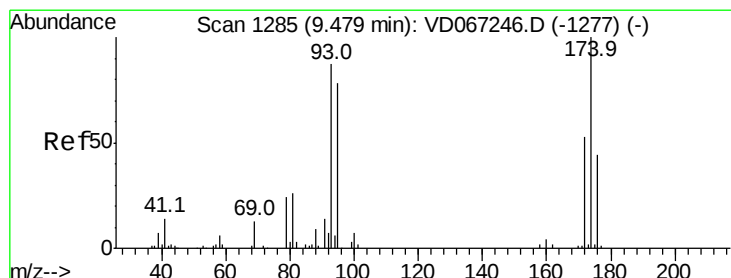
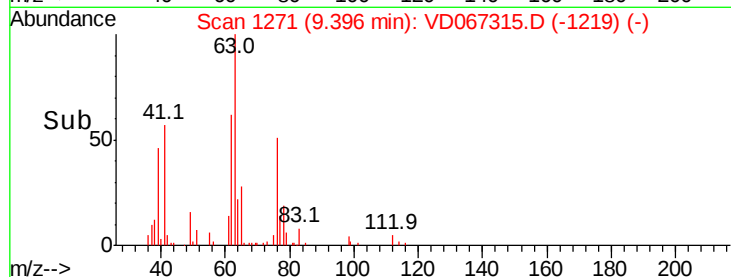
0

9.30

9.40

9.50

Time-->



#46

Dibromomethane

Concen: 21.687 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD067315.D

Acq: 20 Oct 2020 11:12

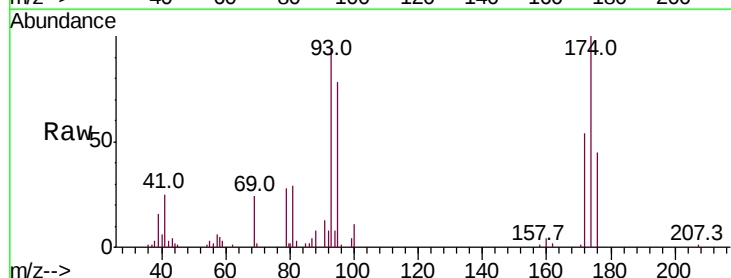
Tgt Ion: 93 Resp: 36326

Ion Ratio Lower Upper

93 100

95 81.1 68.0 102.0

174 103.2 91.8 137.6



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

25000

20000

15000

10000

5000

0

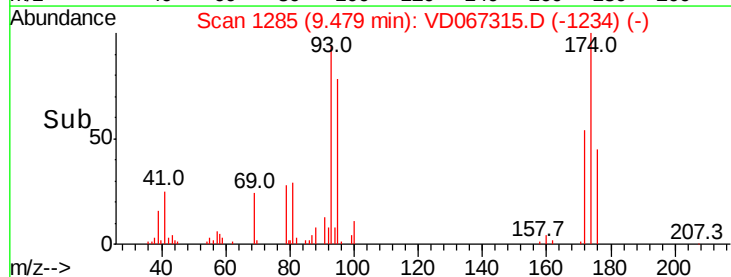
9.40

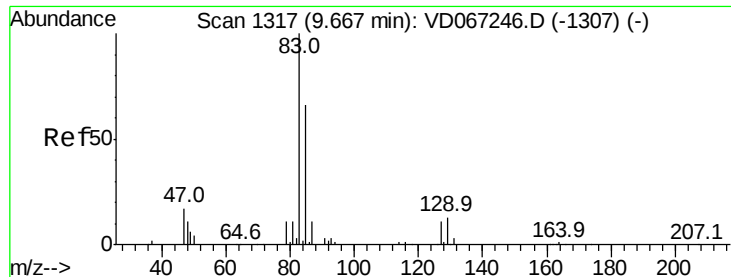
9.45

9.50

9.55

Time-->





#47

Bromodichloromethane

Concen: 21.560 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD067315.D

Acq: 20 Oct 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

VD1020SBS01

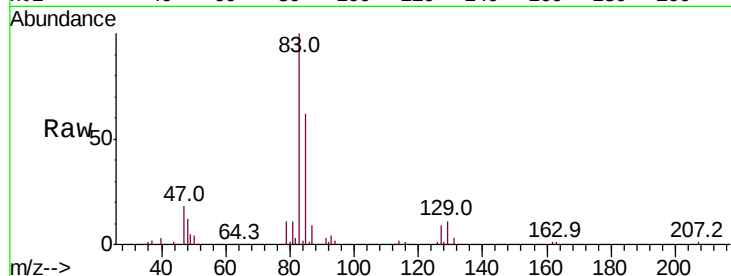
Tot Ion: 83 Resp: 96755

Ion Ratio Lower Upper

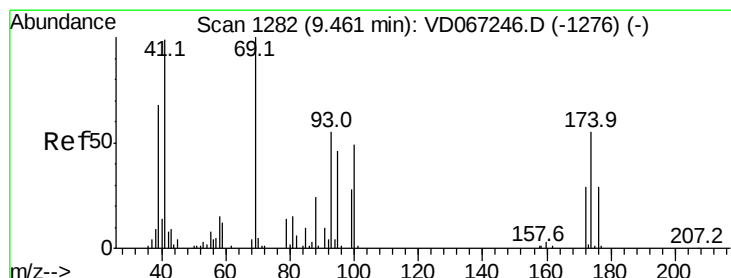
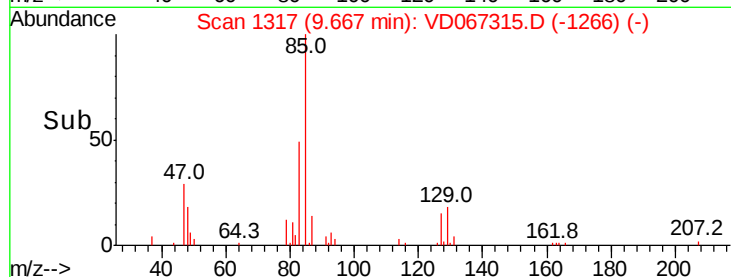
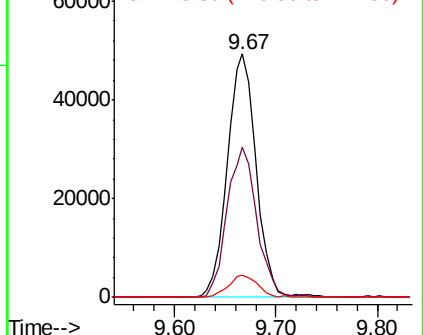
83 100

85 61.6 53.1 79.7

127 9.3 8.6 13.0



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



#48

Methyl methacrylate

Concen: 20.320 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD067315.D

Acq: 20 Oct 2020 11:12

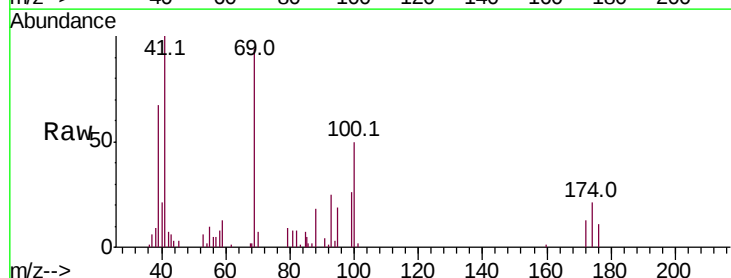
Tgt Ion: 41 Resp: 24377

Ion Ratio Lower Upper

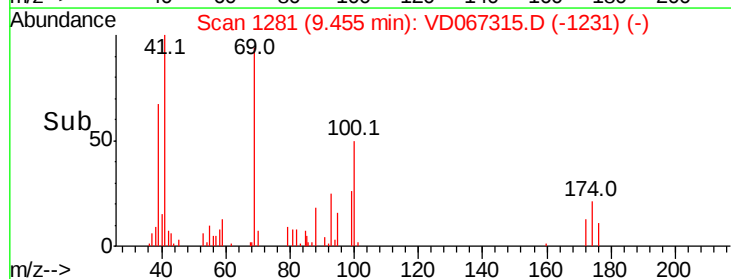
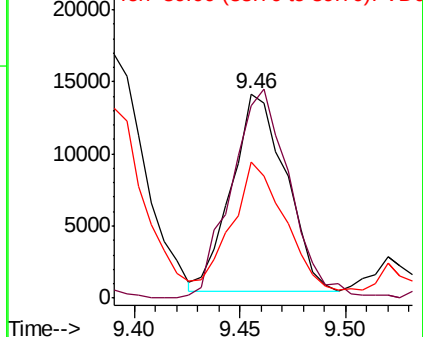
41 100

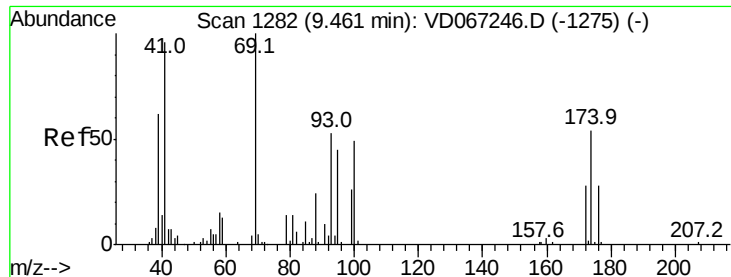
69 114.3 89.0 133.6

39 72.4 60.2 90.2



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





#49

1,4-Dioxane

Concen: 425.811 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.01 min

Lab File: VD067315.D

Acq: 20 Oct 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

VD1020SBS01

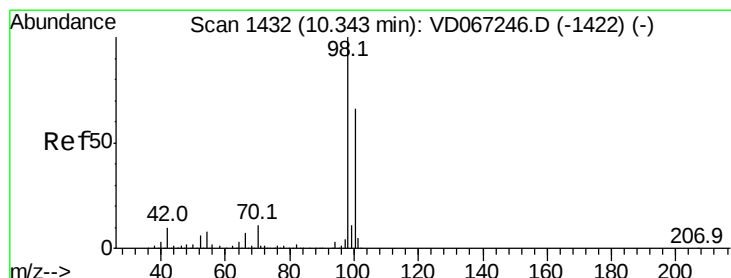
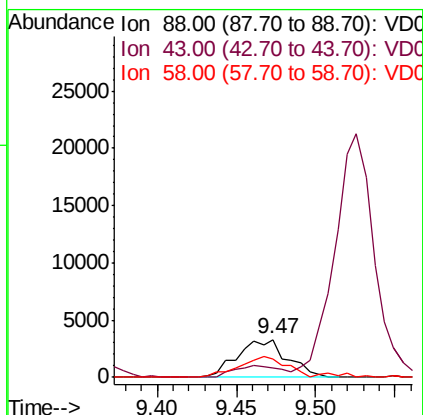
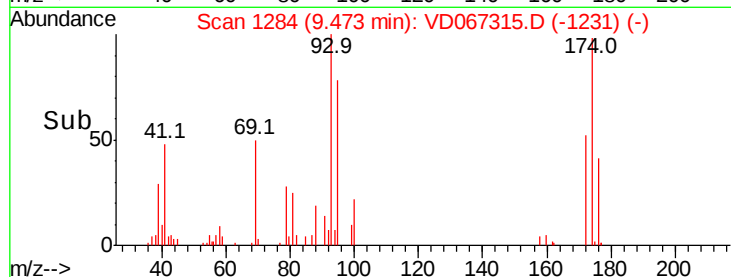
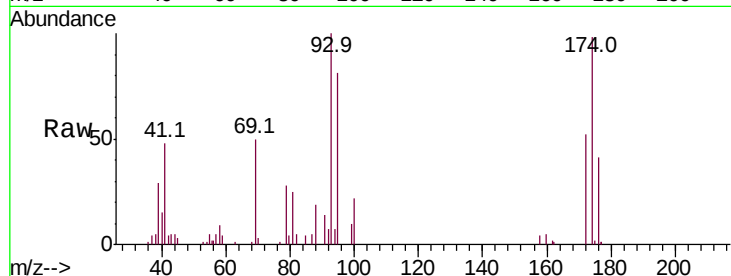
Tot Ion: 88 Resp: 7185

Ion Ratio Lower Upper

88 100

43 30.1 23.9 35.9

58 52.4 51.0 76.6



#50

Toluene-d8

Concen: 48.674 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067315.D

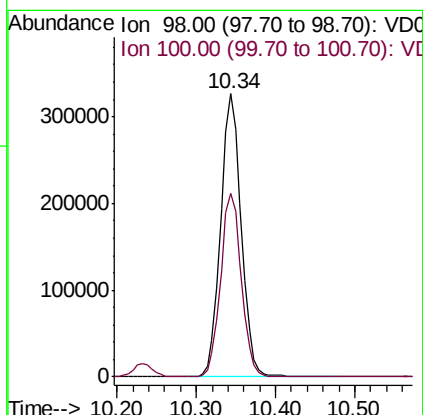
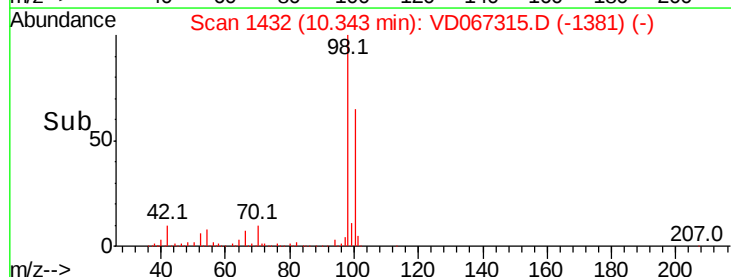
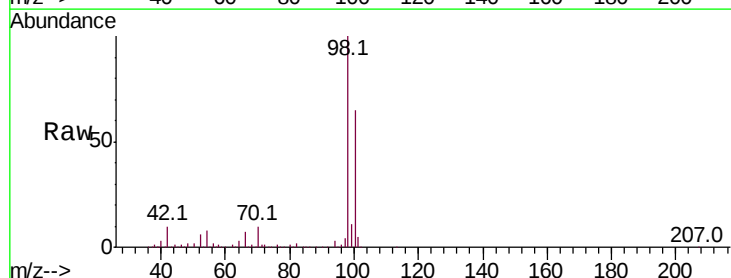
Acq: 20 Oct 2020 11:12

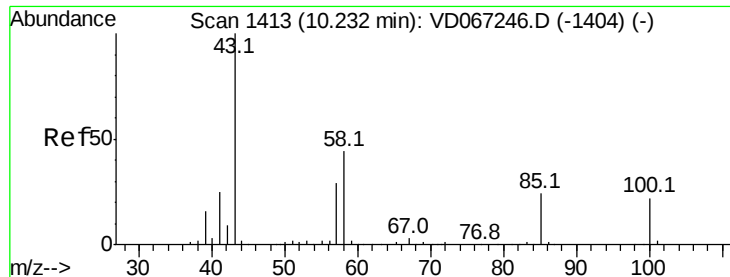
Tgt Ion: 98 Resp: 584835

Ion Ratio Lower Upper

98 100

100 65.6 53.1 79.7

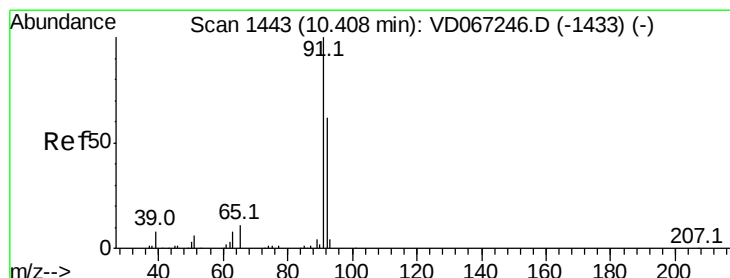
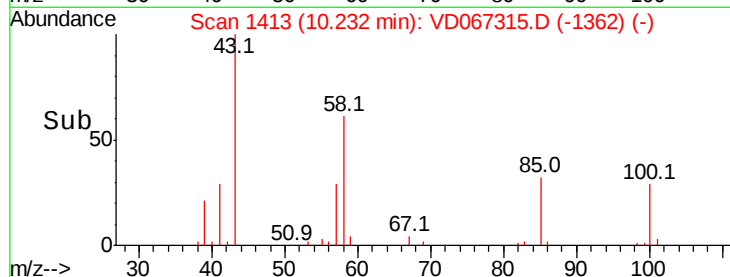
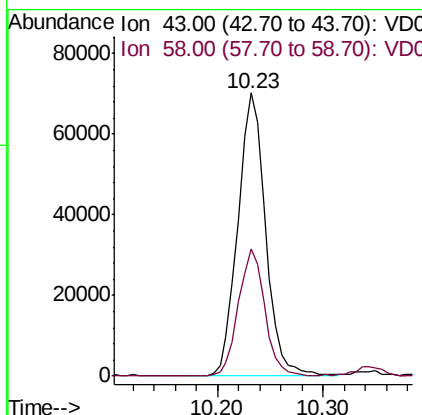
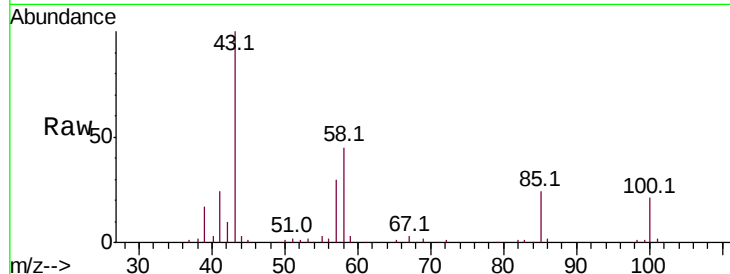




#51
4-Methyl-2-Pentanone
Concen: 103.758 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD067315.D
Acq: 20 Oct 2020 11:12

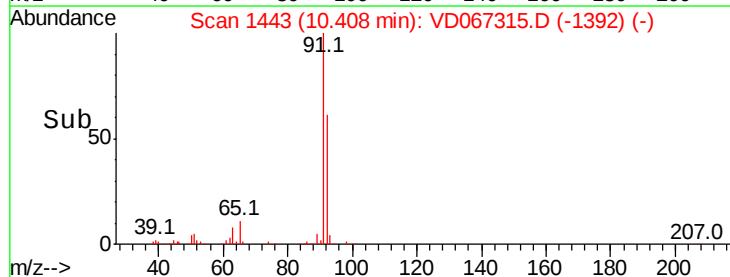
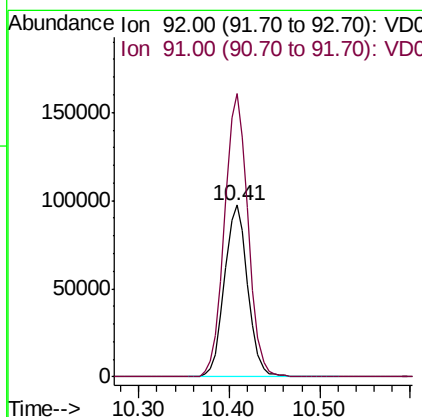
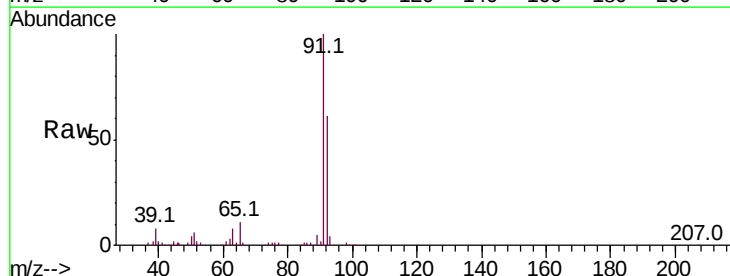
Instrument :
MSVOA_D
ClientSampleId :
VD1020SBS01

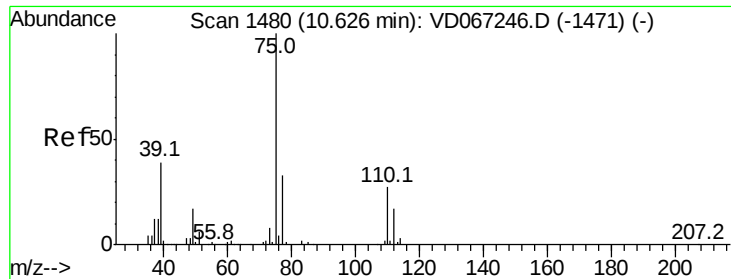
Tot Ion: 43 Resp: 127752
Ion Ratio Lower Upper
43 100
58 42.7 35.7 53.5



#52
Toluene
Concen: 21.966 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD067315.D
Acq: 20 Oct 2020 11:12

Tgt Ion: 92 Resp: 173553
Ion Ratio Lower Upper
92 100
91 166.6 133.8 200.8





#53

t-1,3-Dichloropropene

Concen: 21.454 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD067315.D

Acq: 20 Oct 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

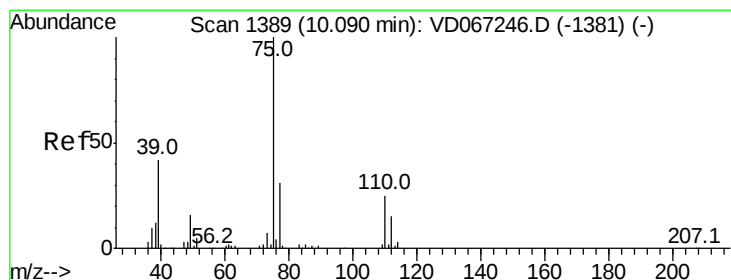
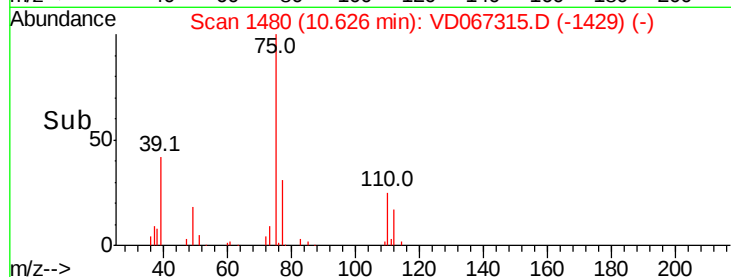
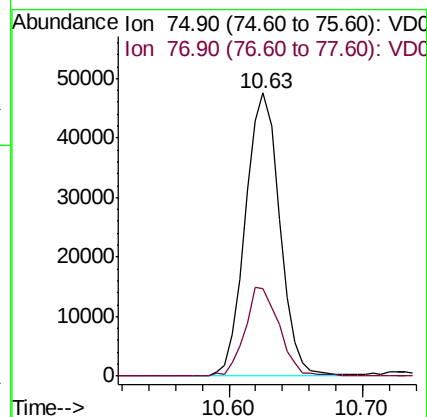
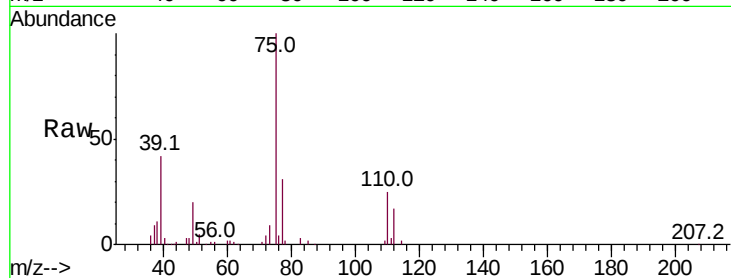
VD1020SBS01

Tot Ion: 75 Resp: 84578

Ion Ratio Lower Upper

75 100

77 30.8 26.5 39.7



#54

cis-1,3-Dichloropropene

Concen: 21.141 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD067315.D

Acq: 20 Oct 2020 11:12

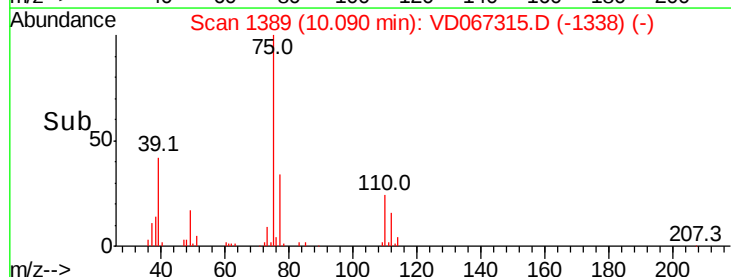
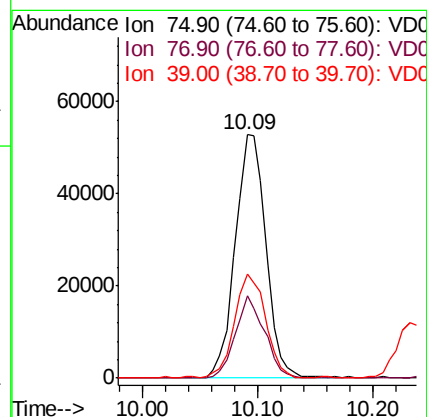
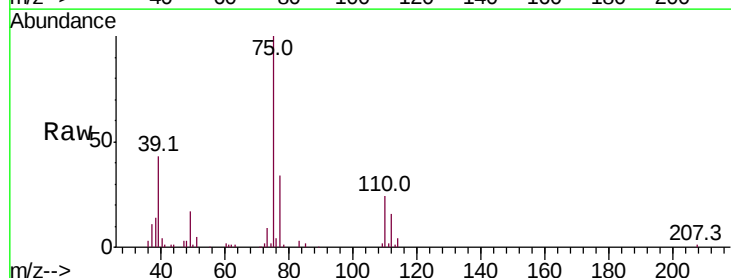
Tgt Ion: 75 Resp: 97538

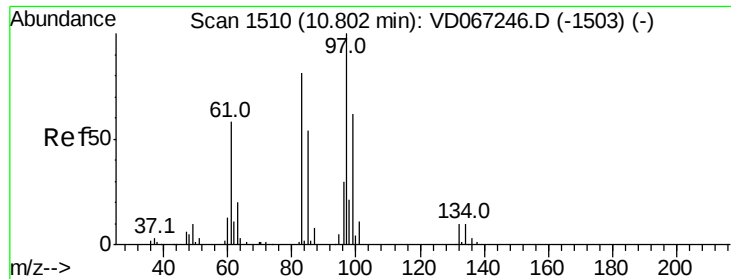
Ion Ratio Lower Upper

75 100

77 33.7 24.5 36.7

39 42.4 33.7 50.5





#55

1,1,2-Trichloroethane

Concen: 20.736 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD067315.D

Acq: 20 Oct 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

VD1020SBS01

Tot Ion: 97 Resp: 47363

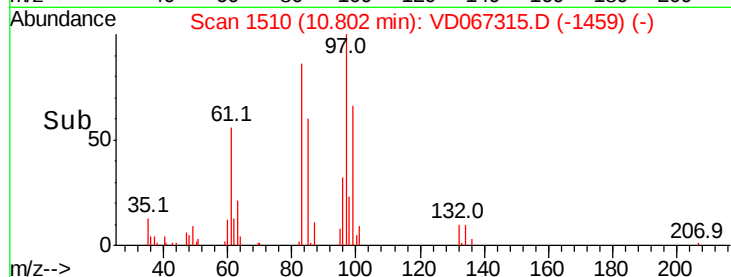
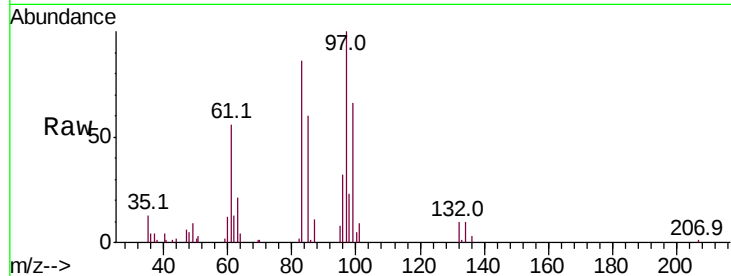
Ion	Ratio	Lower	Upper
97	100		
83	84.9	64.9	97.3
85	59.6	43.3	64.9
99	66.0	49.1	73.7

97 100

83 84.9 64.9 97.3

85 59.6 43.3 64.9

99 66.0 49.1 73.7

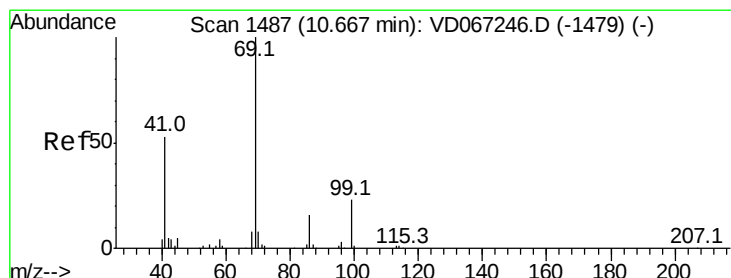
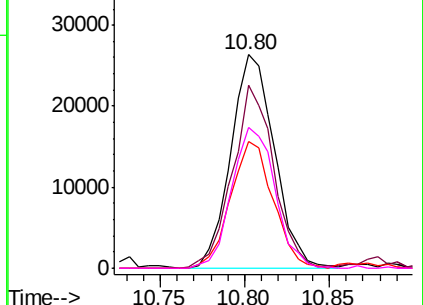


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 21.365 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VD067315.D

Acq: 20 Oct 2020 11:12

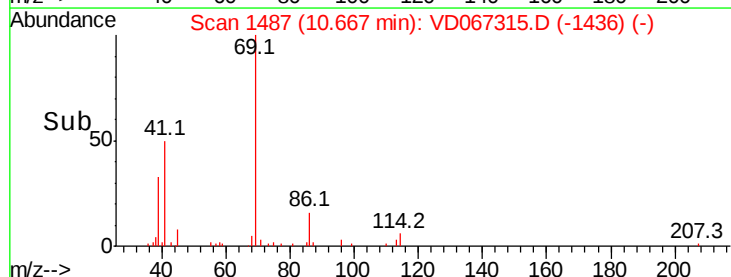
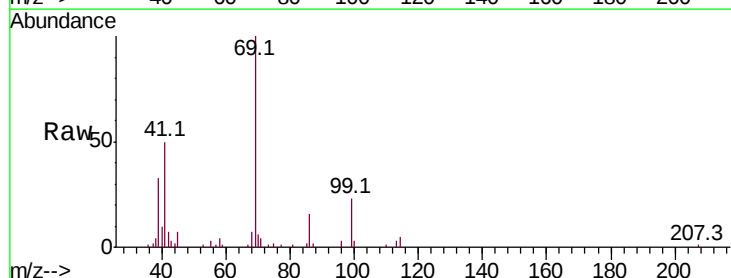
Tgt Ion: 69 Resp: 50612

Ion	Ratio	Lower	Upper
69	100		
41	52.6	44.7	67.1
39	31.4	26.2	39.2

69 100

41 52.6 44.7 67.1

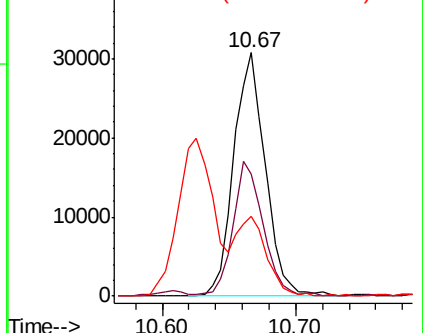
39 31.4 26.2 39.2

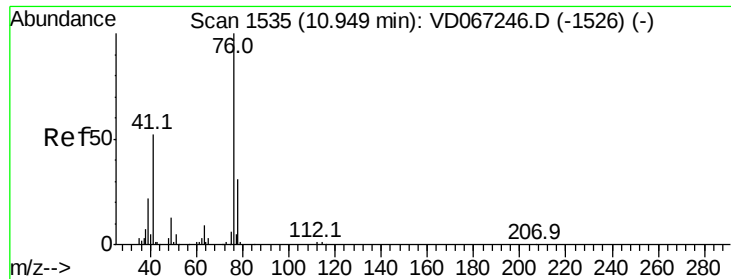


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 21.634 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD067315.D

Acq: 20 Oct 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

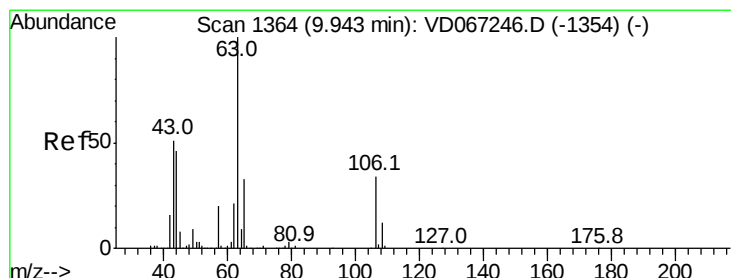
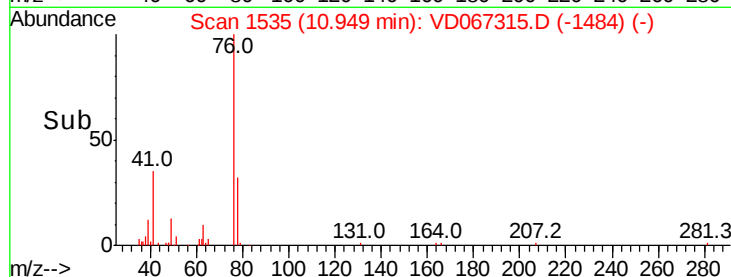
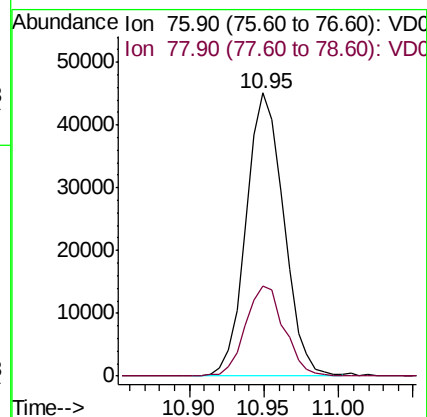
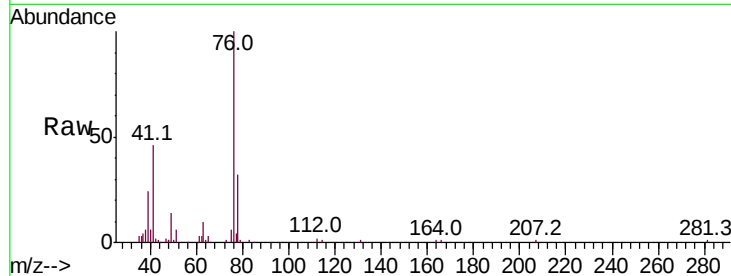
VD1020SBS01

Tot Ion: 76 Resp: 78642

Ion Ratio Lower Upper

76 100

78 32.7 26.8 40.2



#58

2-Chloroethyl Vinyl ether

Concen: 110.764 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD067315.D

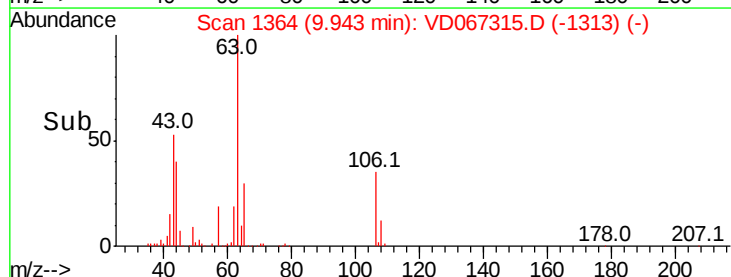
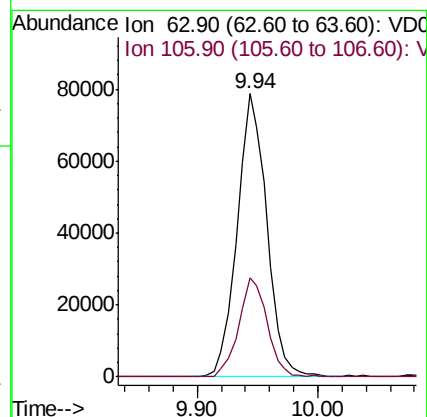
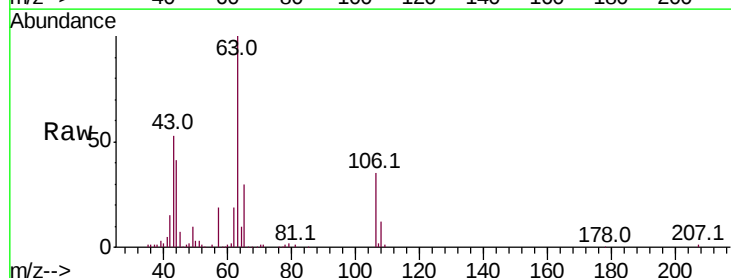
Acq: 20 Oct 2020 11:12

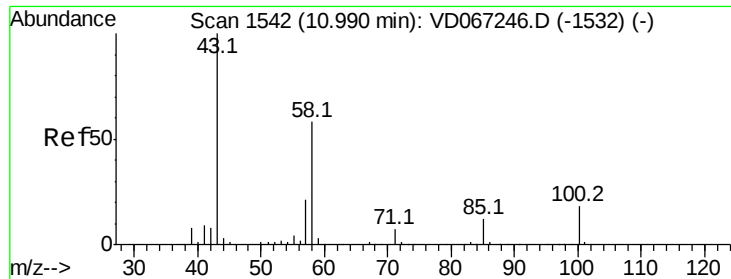
Tgt Ion: 63 Resp: 134605

Ion Ratio Lower Upper

63 100

106 33.7 27.8 41.6

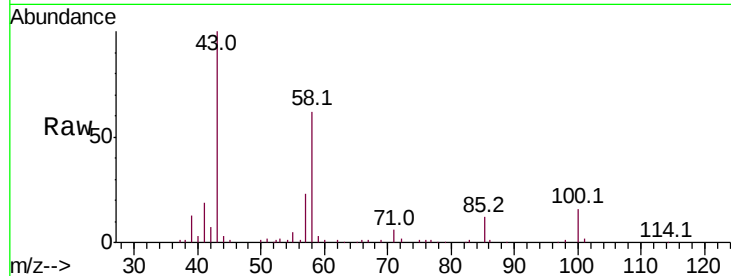




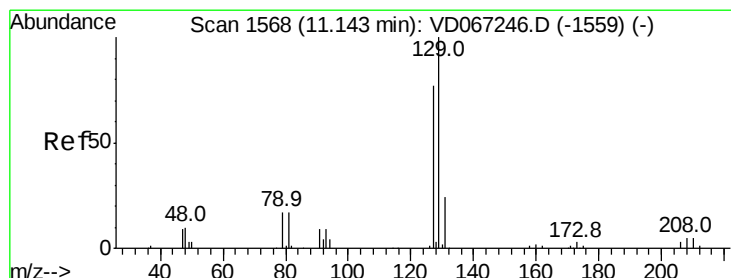
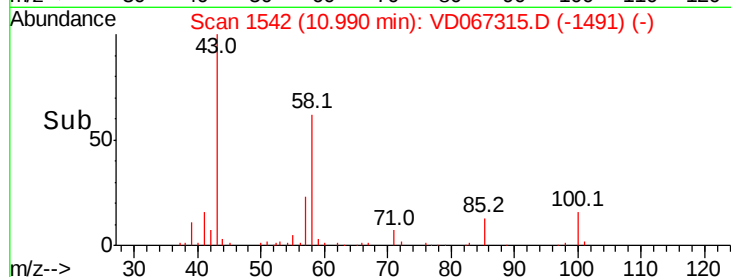
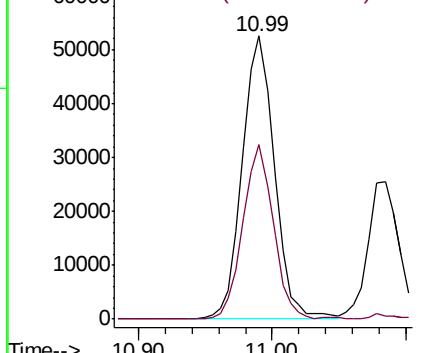
#59
2-Hexanone
Concen: 104.072 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067315.D
Acq: 20 Oct 2020 11:12

Instrument :
MSVOA_D
ClientSampleId :
VD1020SBS01

Tot Ion: 43 Resp: 87561
Ion Ratio Lower Upper
43 100
58 58.7 29.3 87.9

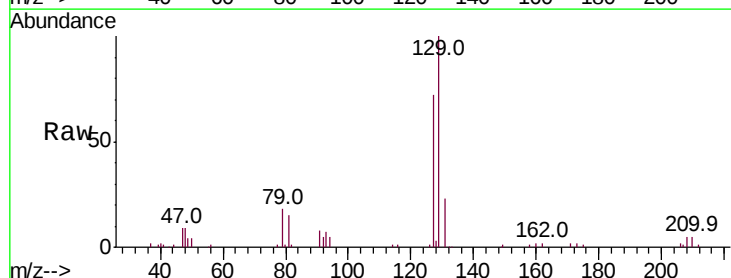


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

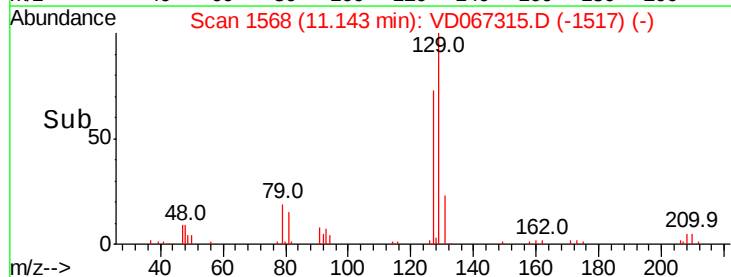
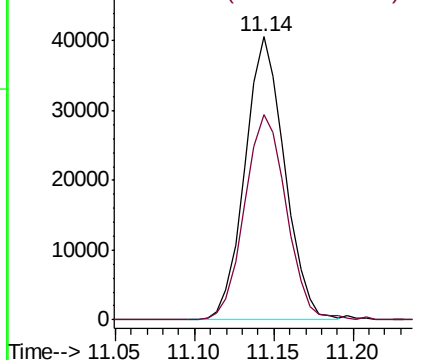


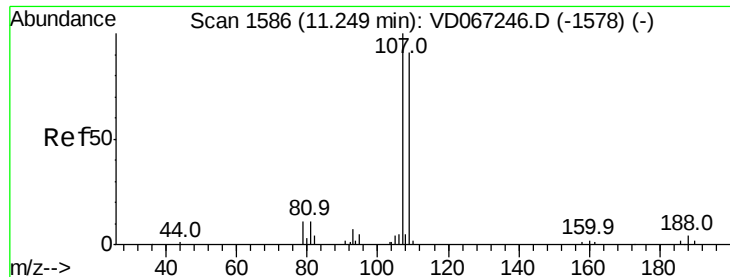
#60
Dibromochloromethane
Concen: 21.200 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067315.D
Acq: 20 Oct 2020 11:12

Tgt Ion: 129 Resp: 70620
Ion Ratio Lower Upper
129 100
127 76.3 38.3 114.8



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V

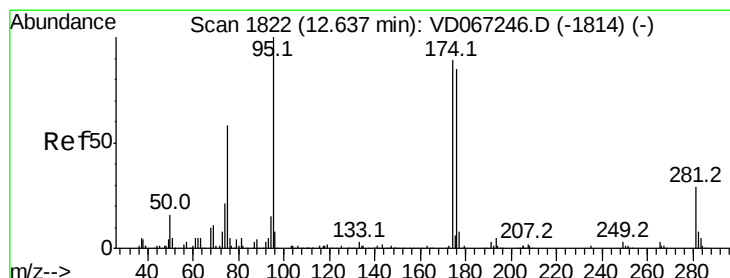
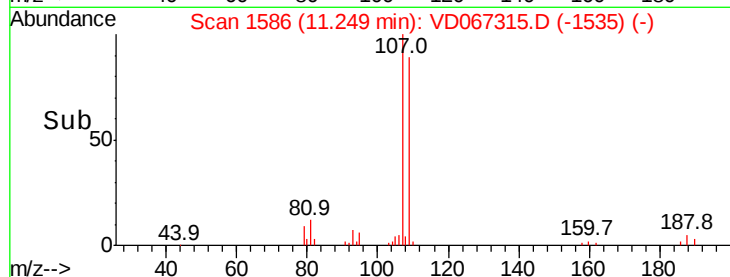
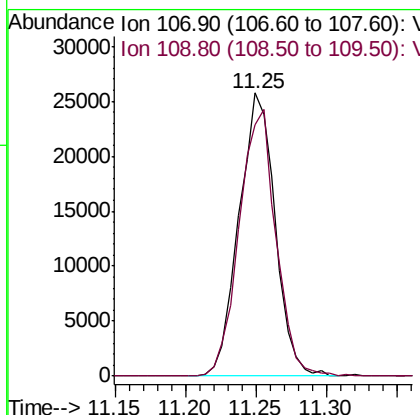
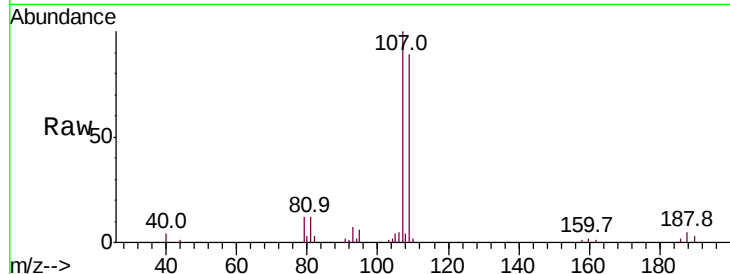




#61
 1,2-Dibromoethane
 Concen: 20.489 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067315.D
 Acq: 20 Oct 2020 11:12

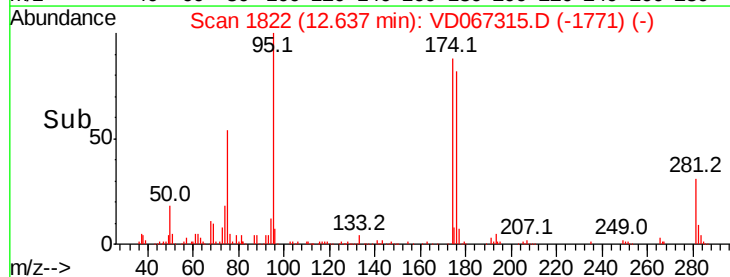
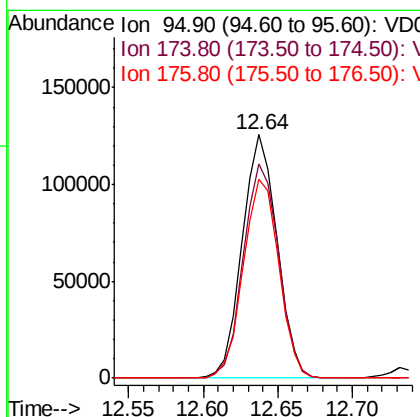
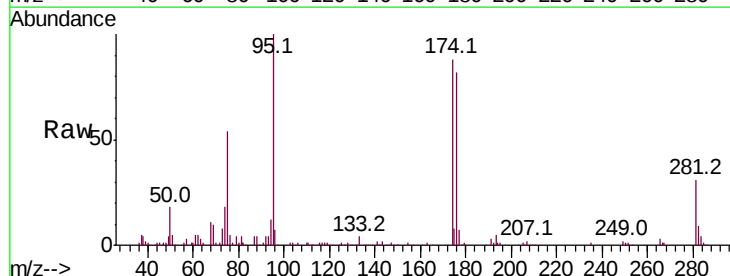
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1020SBS01

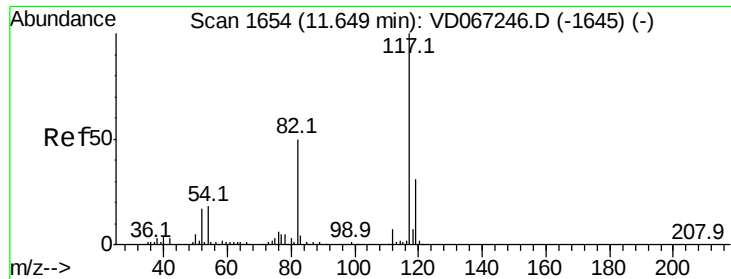
Tot Ion: 107 Resp: 46139
 Ion Ratio Lower Upper
 107 100
 109 95.8 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 48.509 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067315.D
 Acq: 20 Oct 2020 11:12

Tgt Ion: 95 Resp: 202670
 Ion Ratio Lower Upper
 95 100
 174 89.4 0.0 175.2
 176 83.6 0.0 168.6

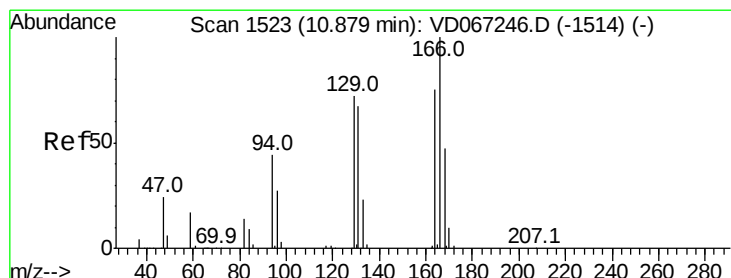
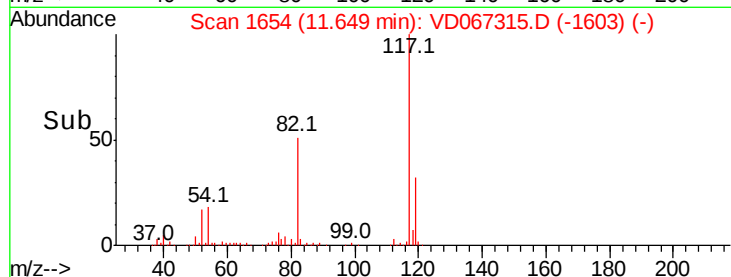
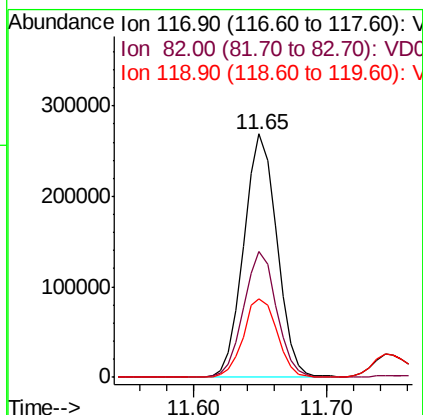
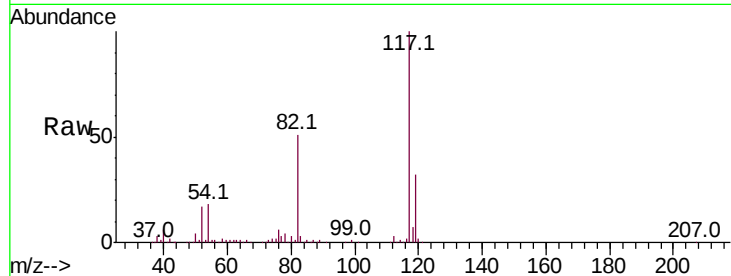




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067315.D
Acq: 20 Oct 2020 11:12

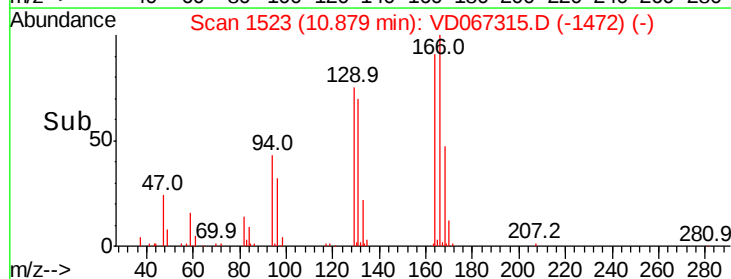
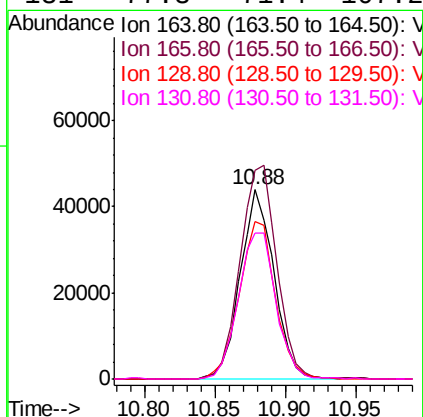
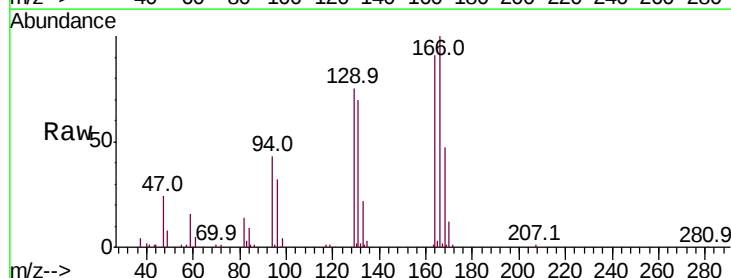
Instrument :
MSVOA_D
ClientSampleId :
VD1020SBS01

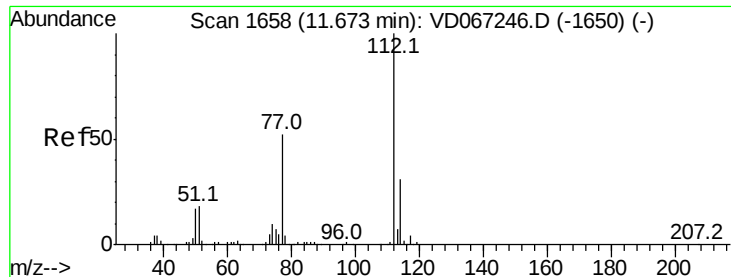
Tot Ion:117 Resp: 461422
Ion Ratio Lower Upper
117 100
82 51.5 39.9 59.9
119 32.4 24.9 37.3



#64
Tetrachloroethene
Concen: 22.065 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067315.D
Acq: 20 Oct 2020 11:12

Tgt Ion:164 Resp: 73768
Ion Ratio Lower Upper
164 100
166 110.4 107.3 160.9
129 82.8 77.3 115.9
131 77.3 71.4 107.2

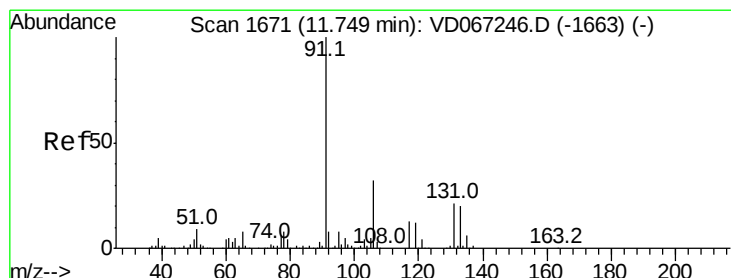
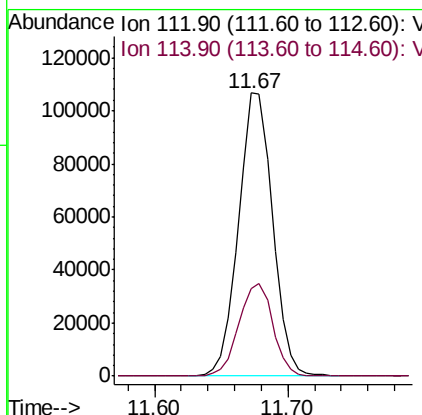
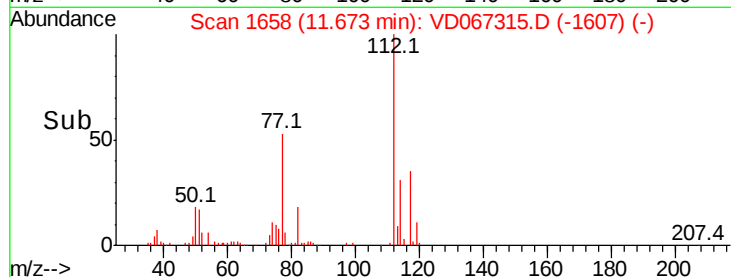
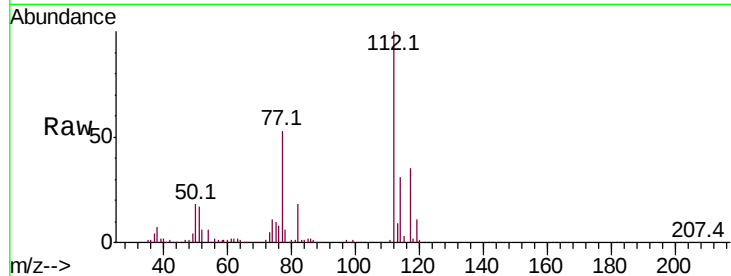




#65
Chlorobenzene
Concen: 21.285 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067315.D
Acq: 20 Oct 2020 11:12

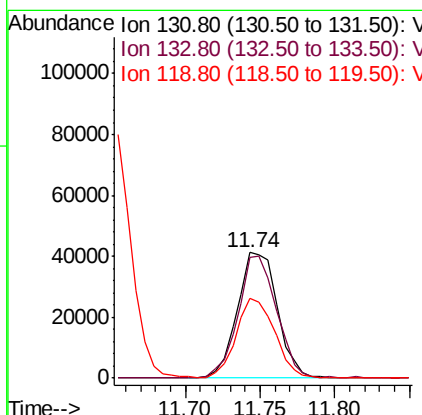
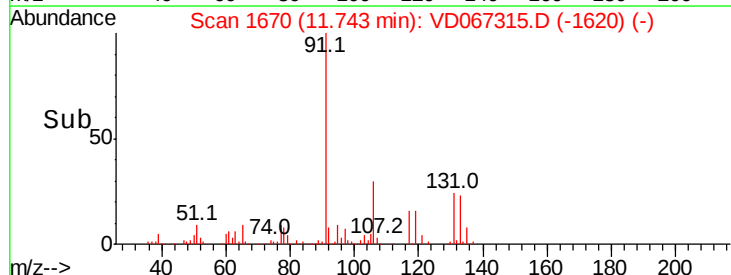
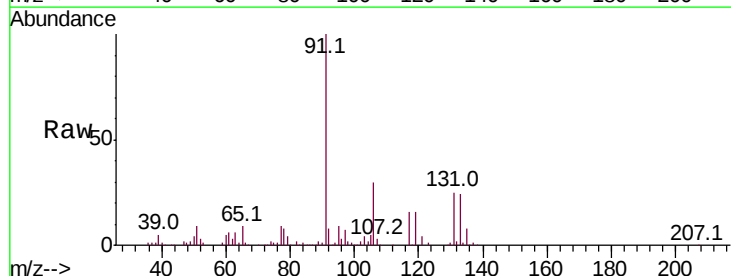
Instrument :
MSVOA_D
ClientSampleId :
VD1020SBS01

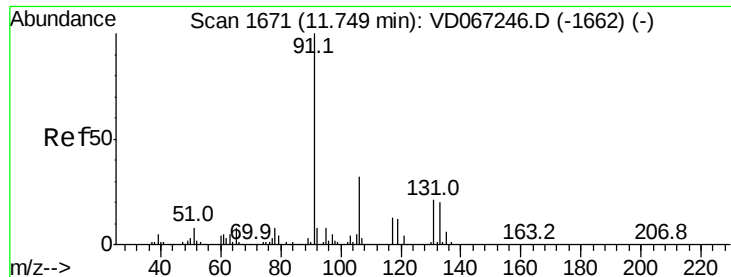
Tot Ion:112 Resp: 188336
Ion Ratio Lower Upper
112 100
114 30.8 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 21.795 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD067315.D
Acq: 20 Oct 2020 11:12

Tgt Ion:131 Resp: 76647
Ion Ratio Lower Upper
131 100
133 94.0 48.1 144.3
119 61.2 30.0 90.0





#67

Ethyl Benzene

Concen: 21.617 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067315.D

Acq: 20 Oct 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

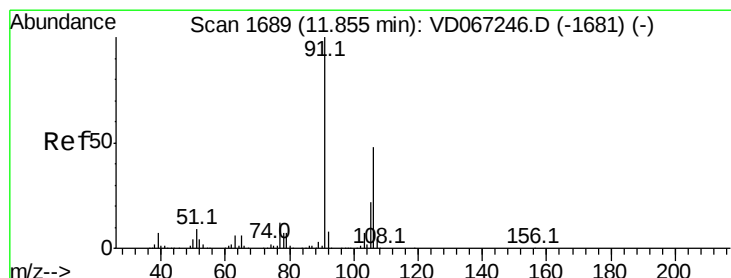
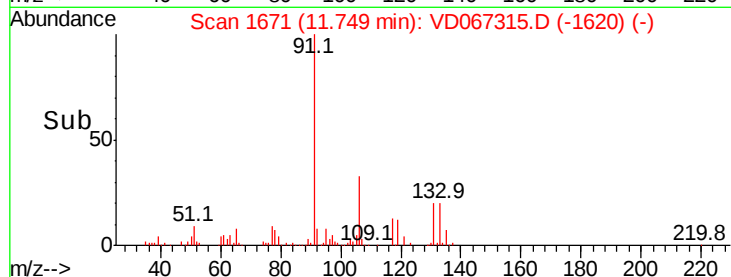
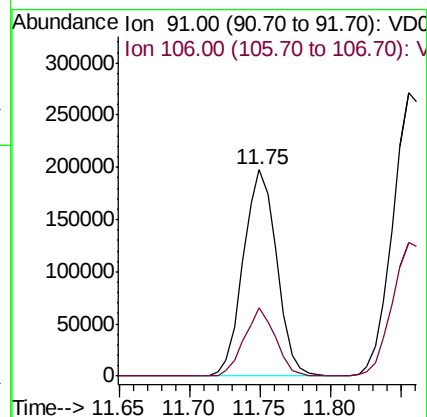
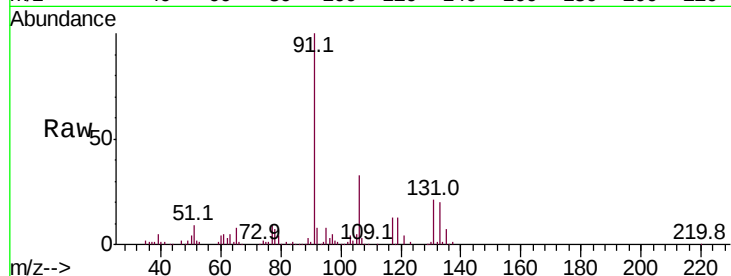
VD1020SBS01

Tot Ion: 91 Resp: 327874

Ion Ratio Lower Upper

91 100

106 33.0 25.4 38.0



#68

m/p-Xylenes

Concen: 43.117 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD067315.D

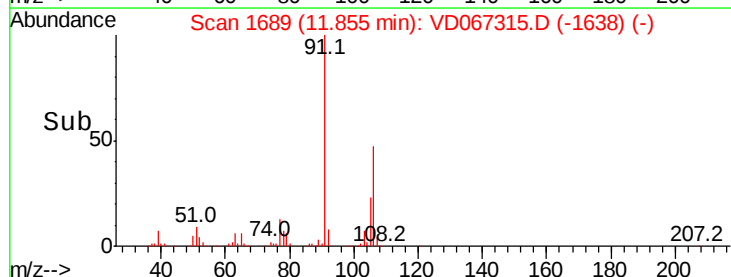
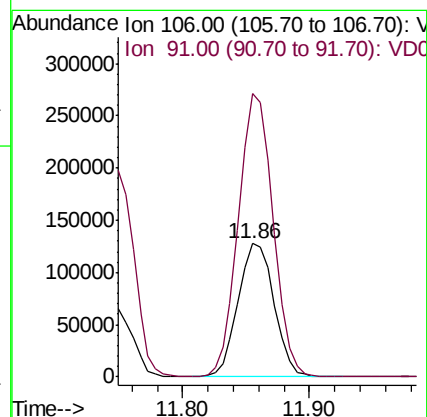
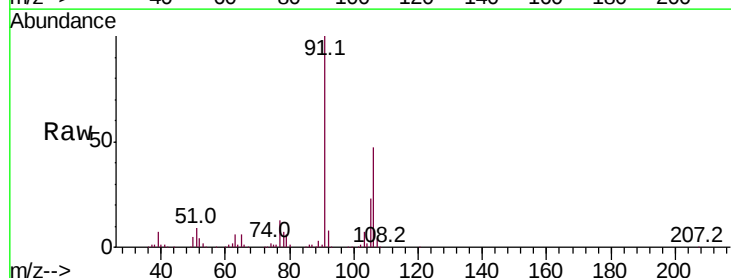
Acq: 20 Oct 2020 11:12

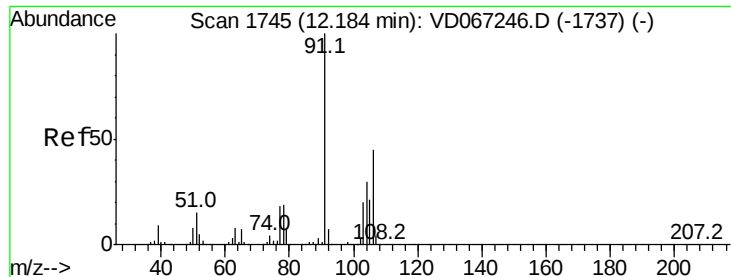
Tgt Ion: 106 Resp: 251838

Ion Ratio Lower Upper

106 100

91 204.5 163.8 245.8

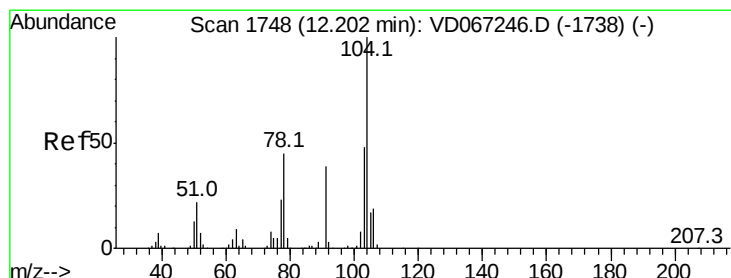
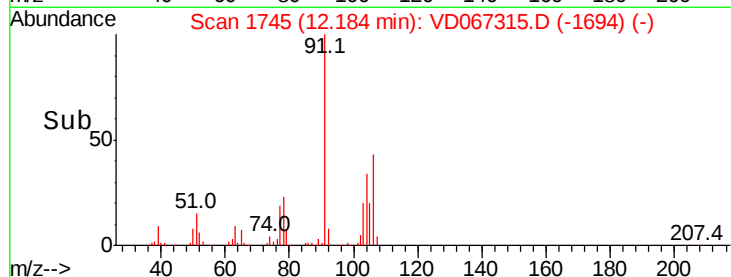
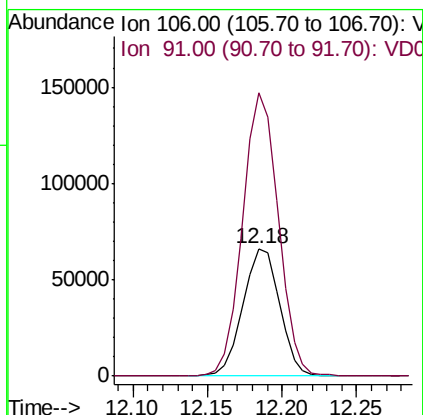
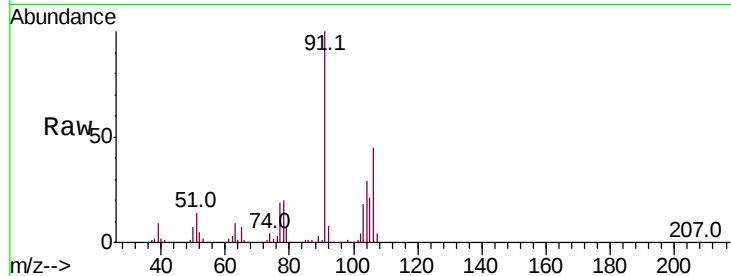




#69
o-Xylene
Concen: 20.930 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067315.D
Acq: 20 Oct 2020 11:12

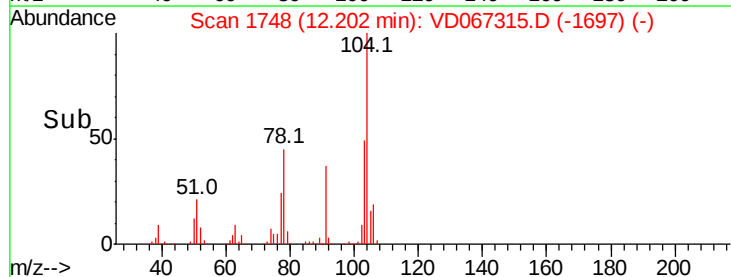
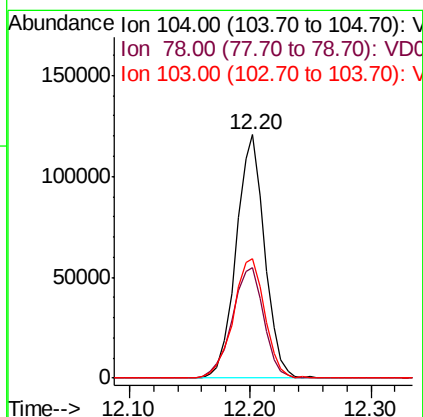
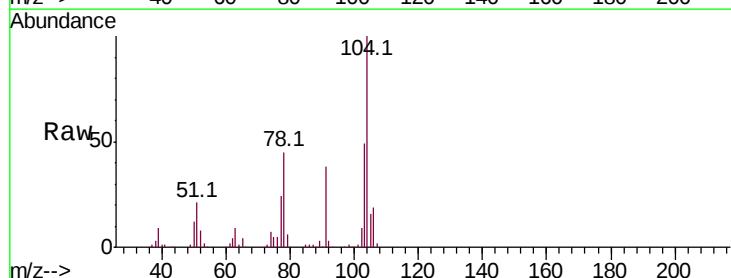
Instrument :
MSVOA_D
ClientSampleId :
VD1020SBS01

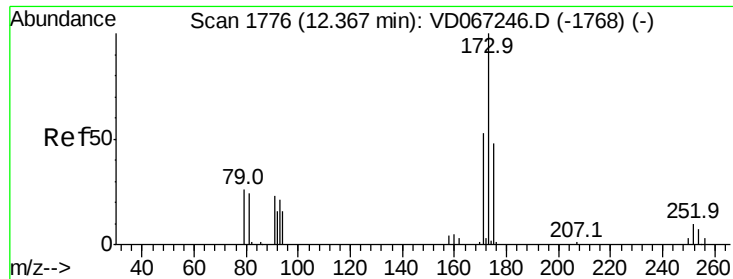
Tot Ion:106 Resp: 113203
Ion Ratio Lower Upper
106 100
91 215.4 109.1 327.3



#70
Styrene
Concen: 21.214 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD067315.D
Acq: 20 Oct 2020 11:12

Tgt Ion:104 Resp: 197514
Ion Ratio Lower Upper
104 100
78 50.6 39.8 59.6
103 54.7 42.6 64.0





#71

Bromoform

Concen: 21.081 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD067315.D

Acq: 20 Oct 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

VD1020SBS01

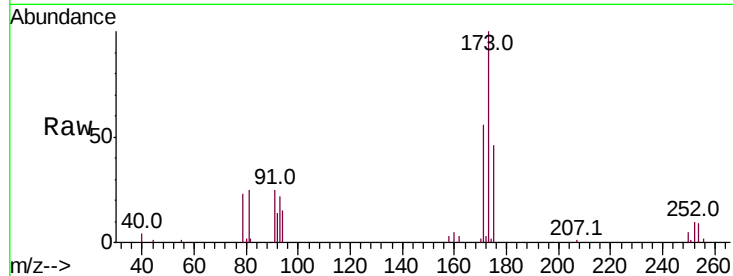
Tot Ion:173 Resp: 39827

Ion Ratio Lower Upper

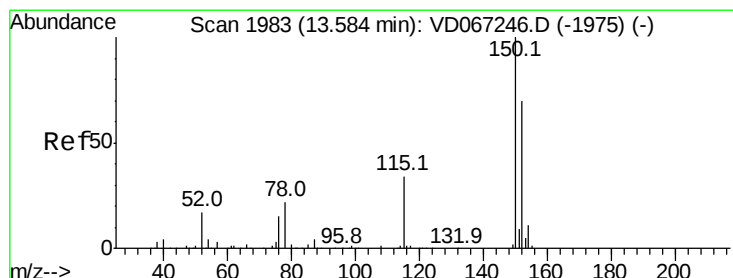
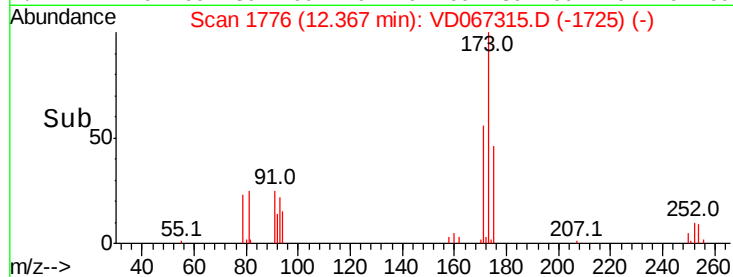
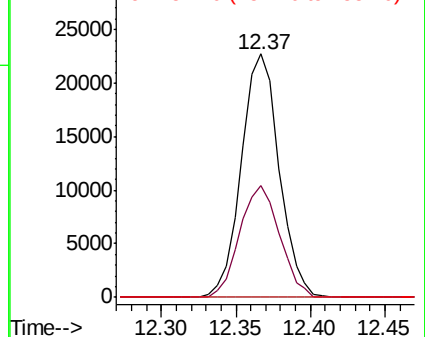
173 100

175 48.5 24.2 72.6

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

Lab File: VD067315.D

Acq: 20 Oct 2020 11:12

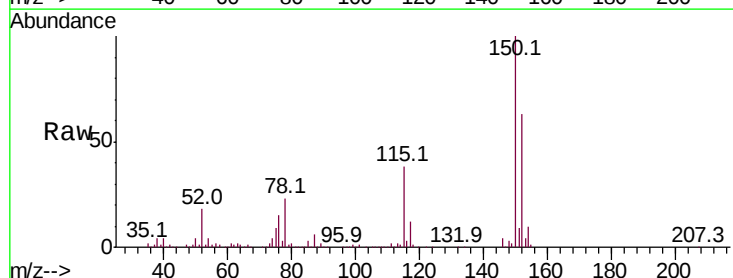
Tgt Ion:152 Resp: 231193

Ion Ratio Lower Upper

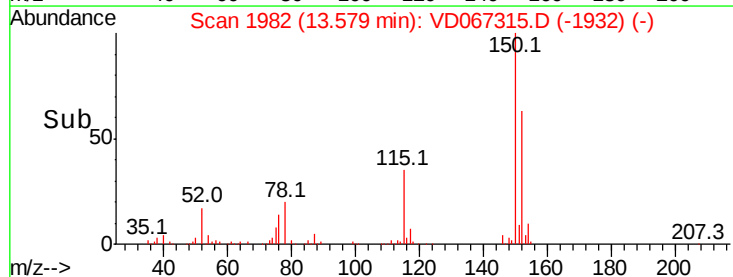
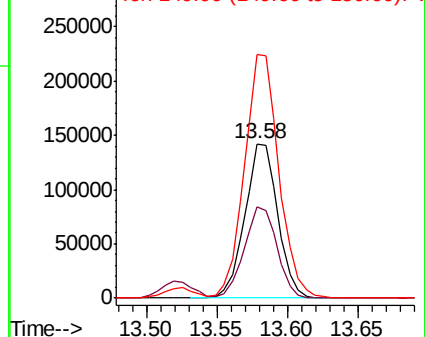
152 100

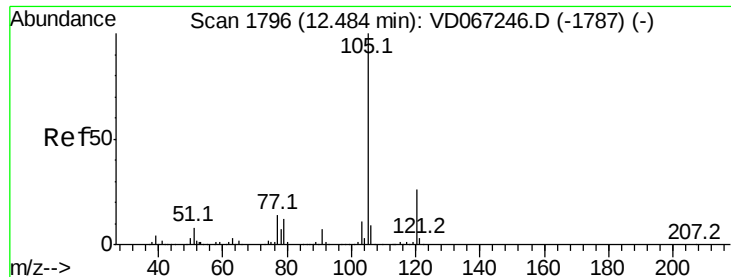
115 59.2 29.3 87.9

150 165.6 0.0 339.0



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





#73

Isopropylbenzene

Concen: 21.832 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067315.D

Acq: 20 Oct 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

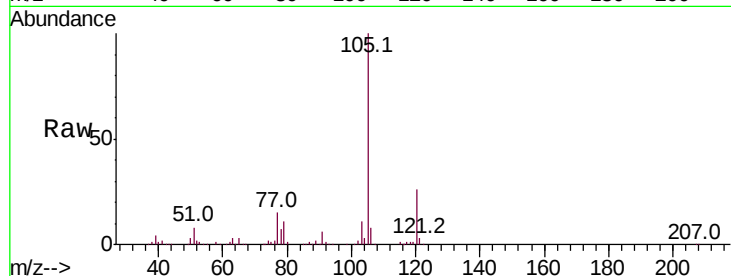
VD1020SBS01

Tot Ion:105 Resp: 320342

Ion Ratio Lower Upper

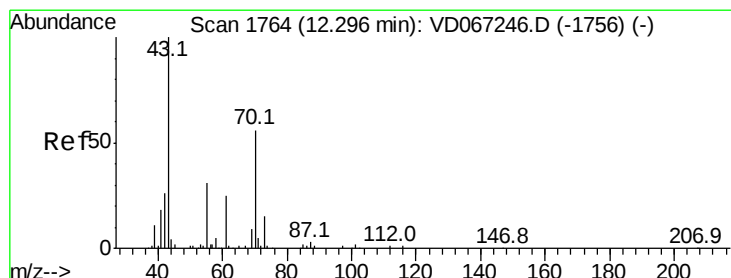
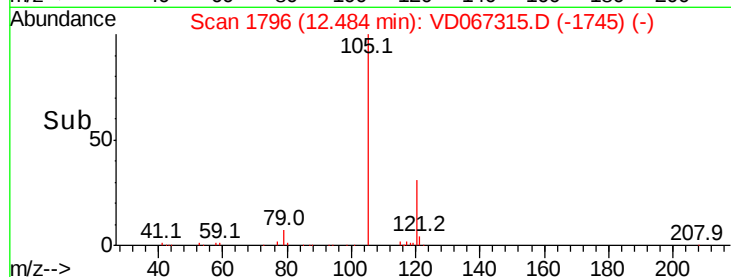
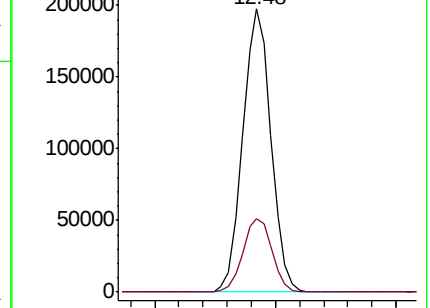
105 100

120 27.0 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.399 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD067315.D

Acq: 20 Oct 2020 11:12

Tgt Ion: 43 Resp: 47422

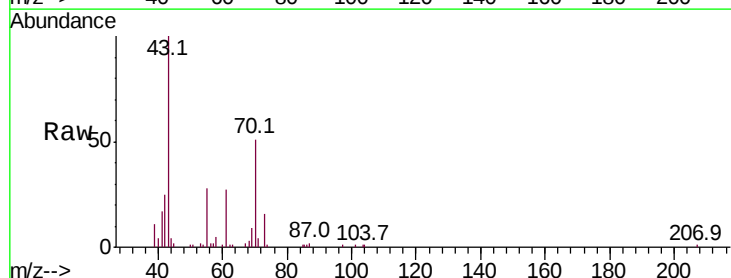
Ion Ratio Lower Upper

43 100

70 51.0 42.7 64.1

55 28.5 24.0 36.0

61 27.8 22.2 33.4

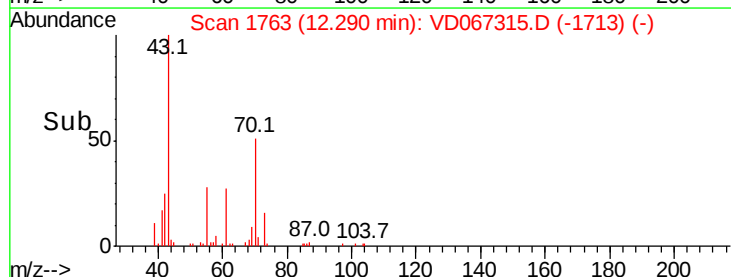
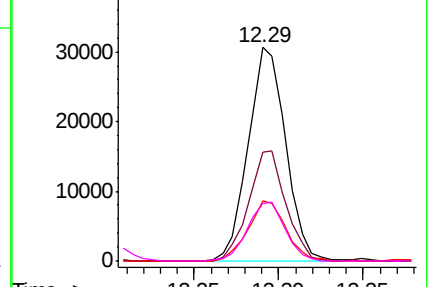


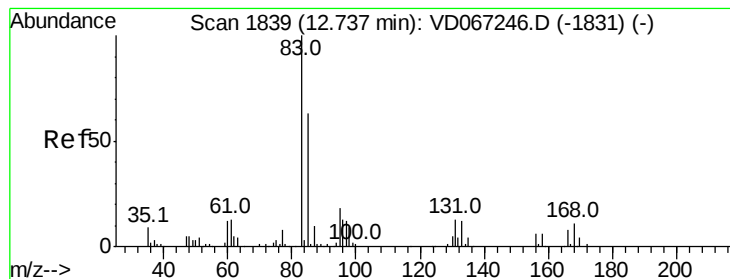
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 21.690 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067315.D

Acq: 20 Oct 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

VD1020SBS01

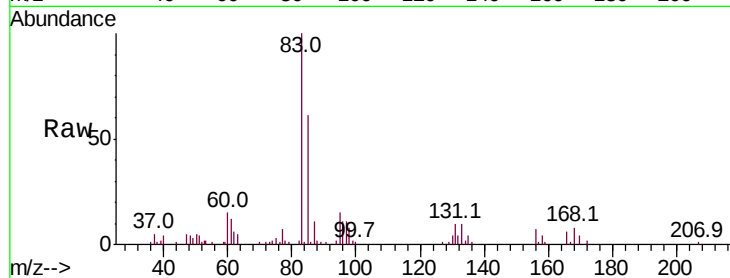
Tot Ion: 83 Resp: 48765

Ion Ratio Lower Upper

83 100

131 11.9 6.5 19.5

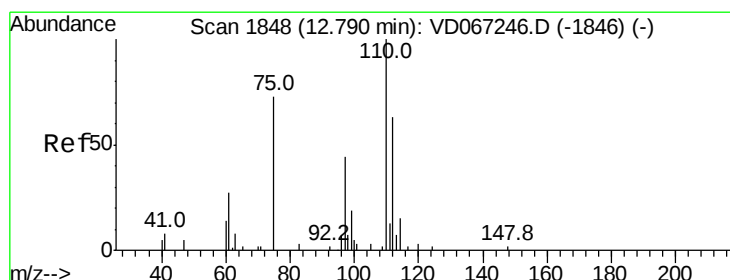
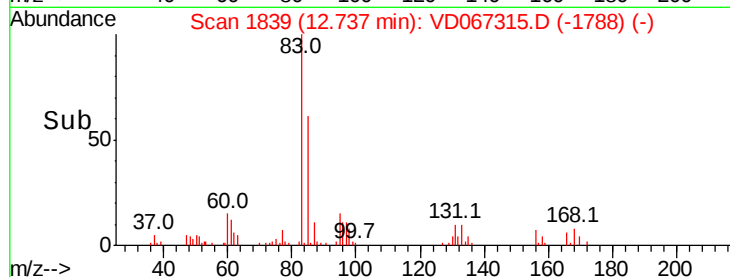
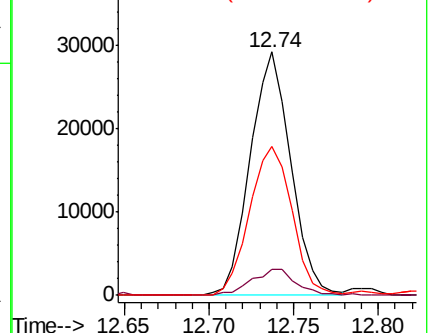
85 64.0 32.6 97.7



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 39.527 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD067315.D

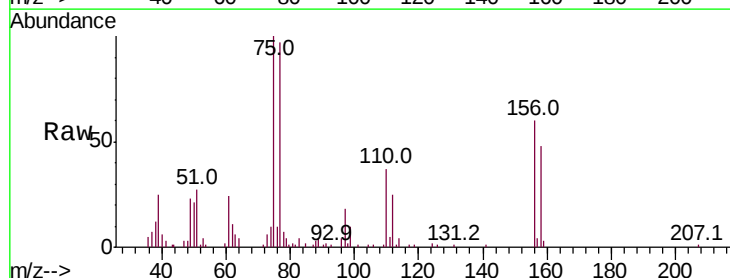
Acq: 20 Oct 2020 11:12

Tgt Ion: 75 Resp: 63338

Ion Ratio Lower Upper

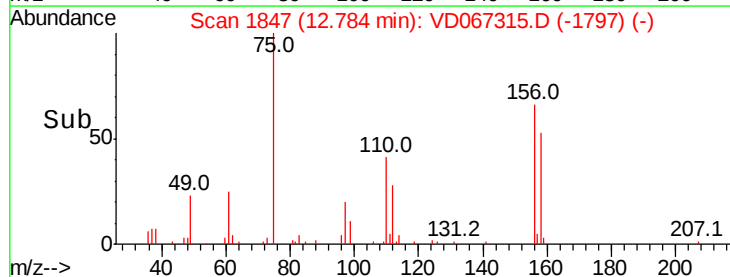
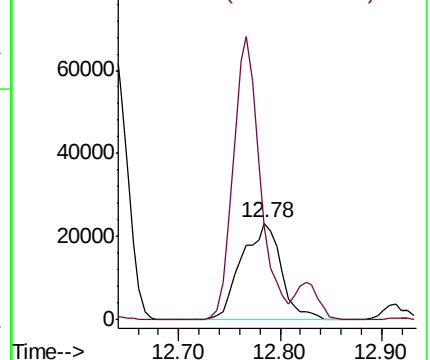
75 100

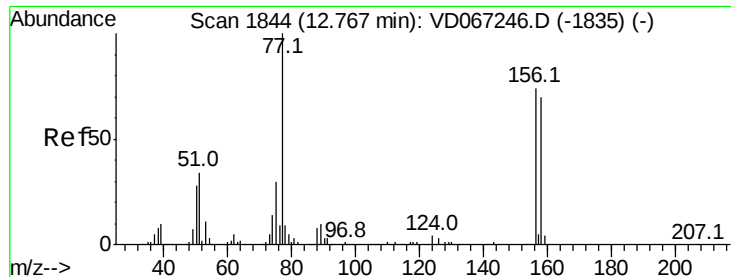
77 198.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 21.991 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067315.D

Acq: 20 Oct 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

VD1020SBS01

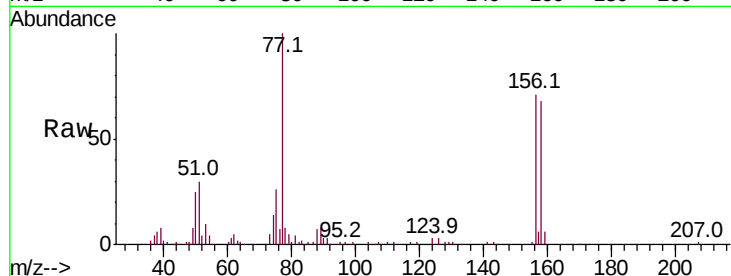
Tot Ion:156 Resp: 80445

Ion Ratio Lower Upper

156 100

77 156.2 78.0 233.8

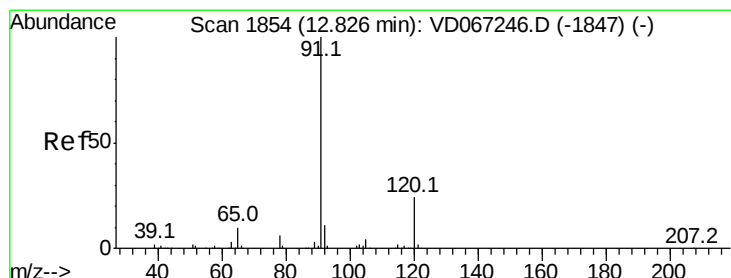
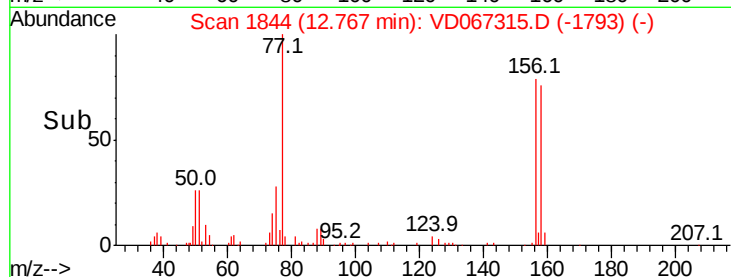
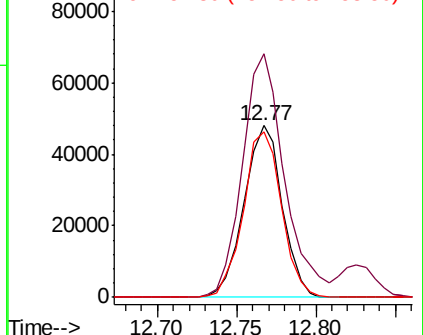
158 96.7 49.1 147.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.197 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067315.D

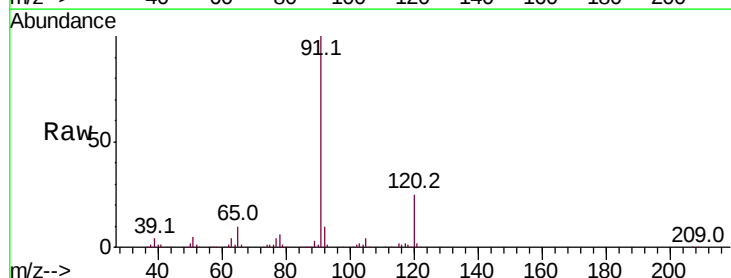
Acq: 20 Oct 2020 11:12

Tgt Ion: 91 Resp: 377369

Ion Ratio Lower Upper

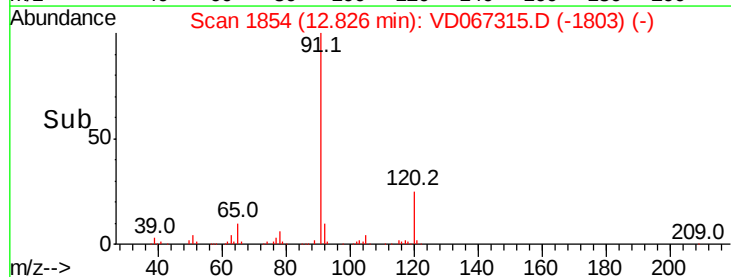
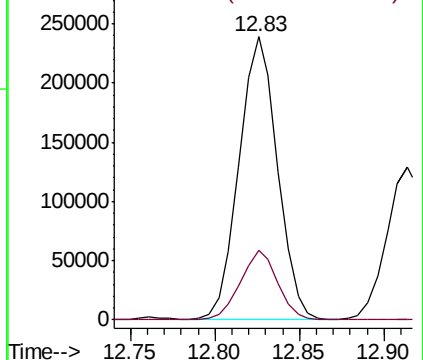
91 100

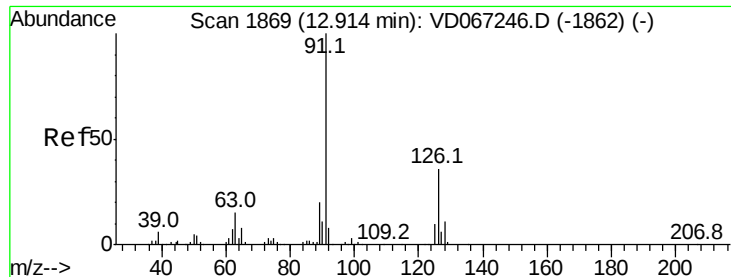
120 23.7 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

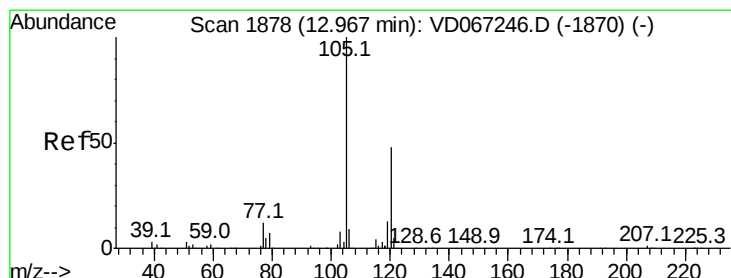
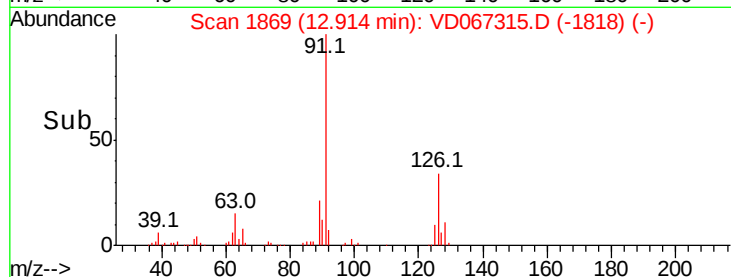
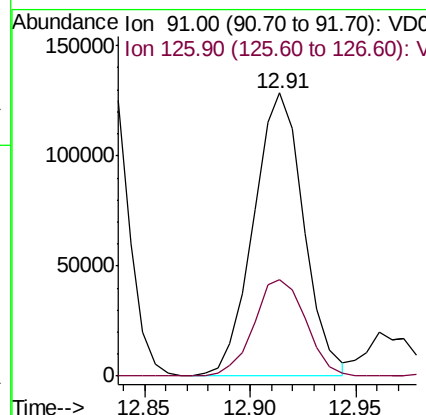
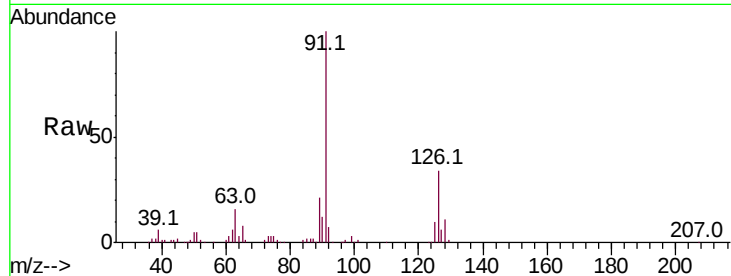




#79
 2-Chlorotoluene
 Concen: 21.499 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD067315.D
 Acq: 20 Oct 2020 11:12

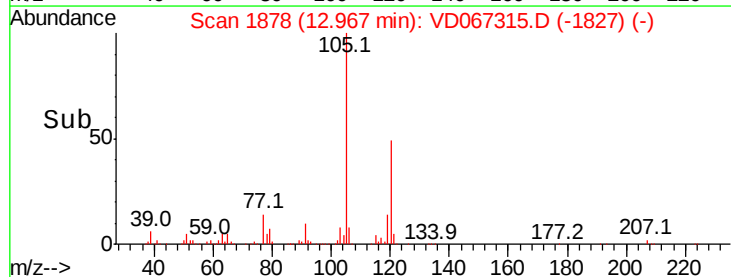
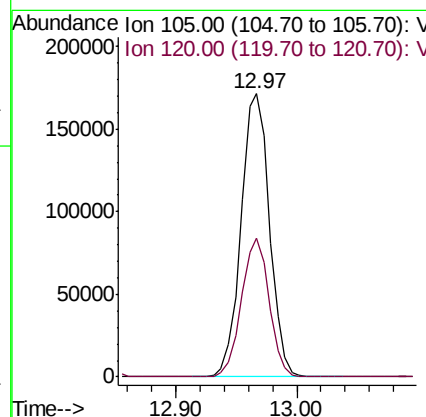
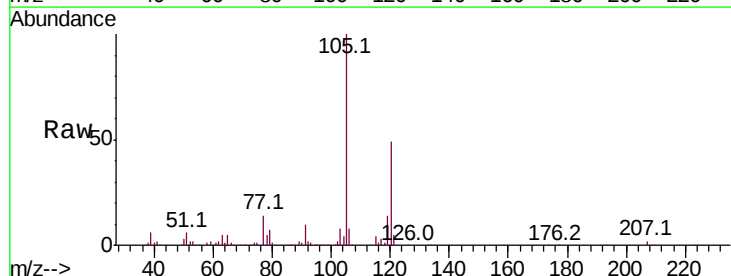
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1020SBS01

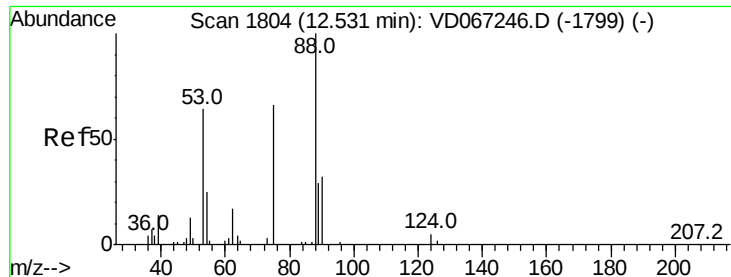
Tot Ion: 91 Resp: 211955
 Ion Ratio Lower Upper
 91 100
 126 35.3 17.6 52.8



#80
 1,3,5-Trimethylbenzene
 Concen: 22.052 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD067315.D
 Acq: 20 Oct 2020 11:12

Tgt Ion: 105 Resp: 281179
 Ion Ratio Lower Upper
 105 100
 120 47.7 24.3 72.8

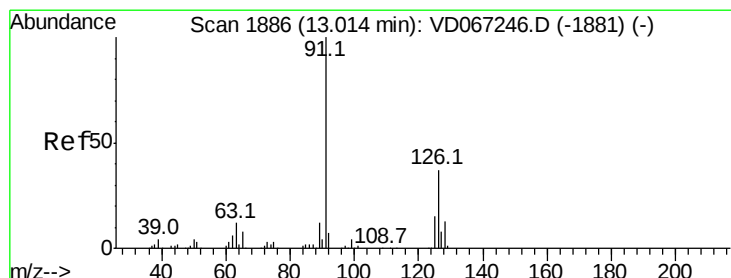
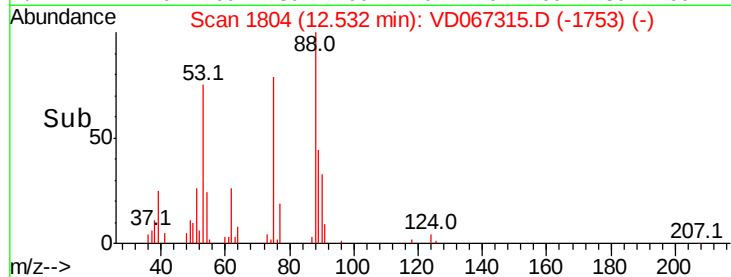
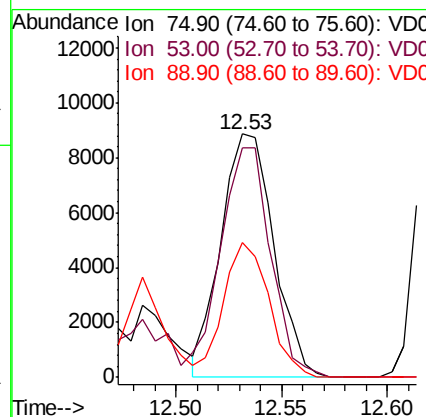
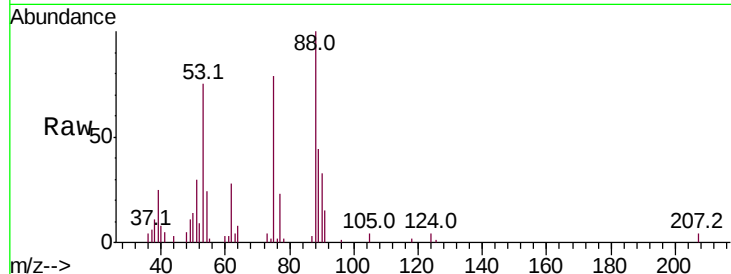




#81
trans-1,4-Dichloro-2-butene
Concen: 21.743 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD067315.D
Acq: 20 Oct 2020 11:12

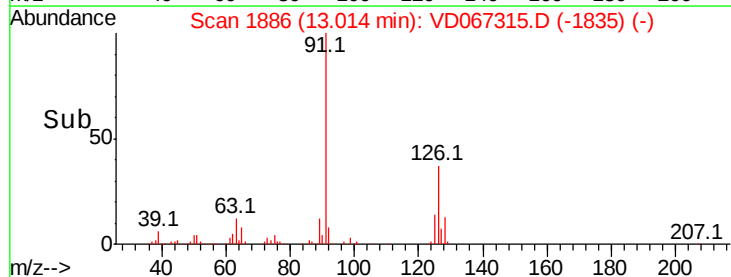
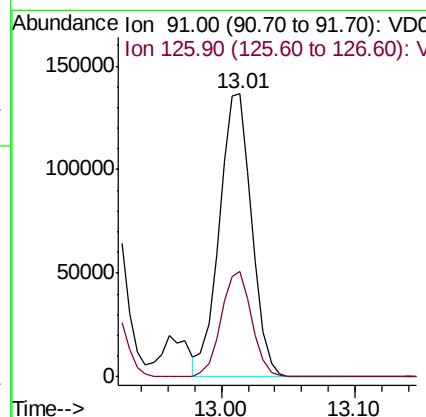
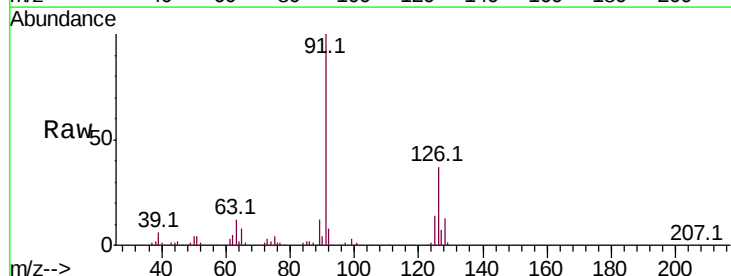
Instrument :
MSVOA_D
ClientSampleId :
VD1020SBS01

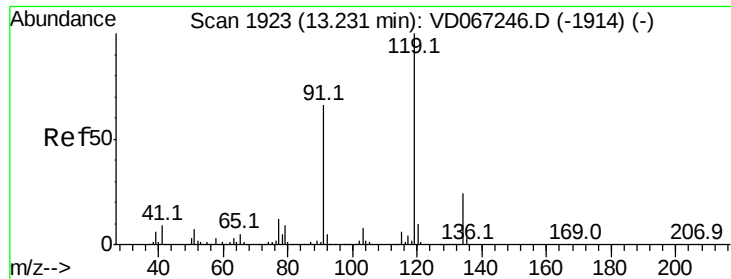
Tot Ion: 75 Resp: 15364
Ion Ratio Lower Upper
75 100
53 90.3 78.5 117.7
89 48.0 39.9 59.9



#82
4-Chlorotoluene
Concen: 22.173 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VD067315.D
Acq: 20 Oct 2020 11:12

Tgt Ion: 91 Resp: 232011
Ion Ratio Lower Upper
91 100
126 35.4 17.8 53.5

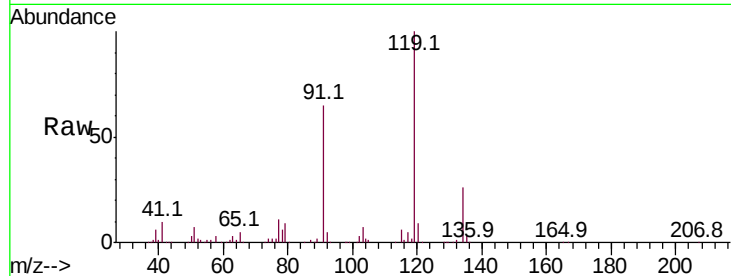




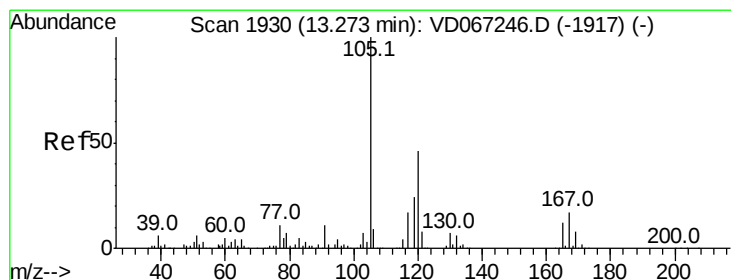
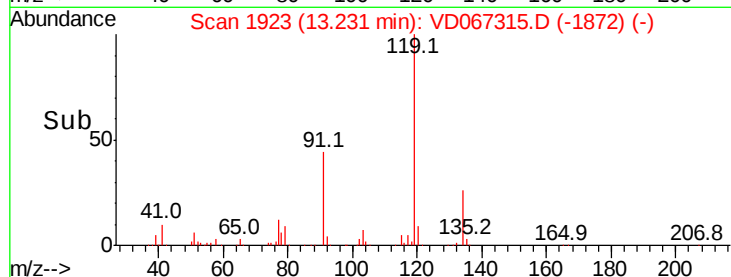
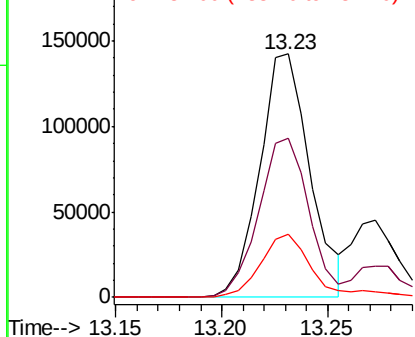
#83
tert-Butylbenzene
Concen: 21.907 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD067315.D
Acq: 20 Oct 2020 11:12

Instrument :
MSVOA_D
ClientSampleId :
VD1020SBS01

Tot Ion:119 Resp: 235958
Ion Ratio Lower Upper
119 100
91 65.1 33.1 99.2
134 27.0 13.3 39.9

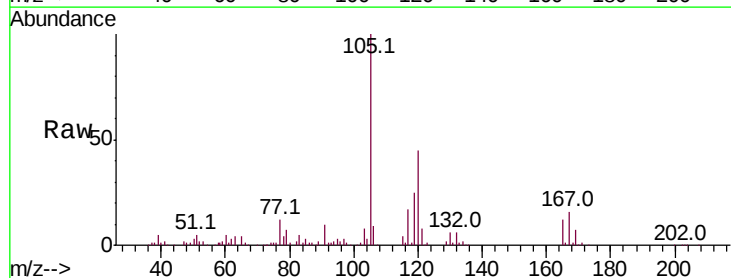


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

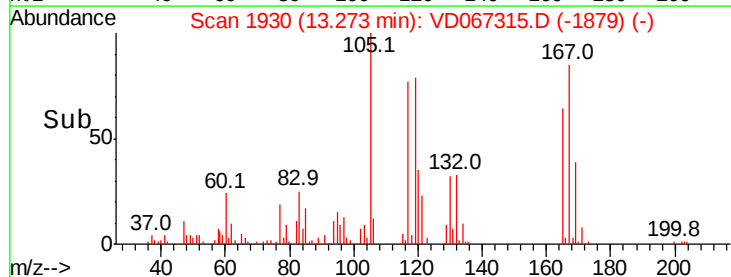
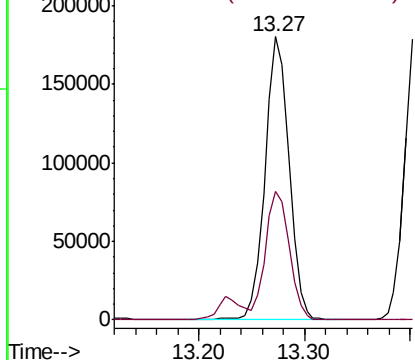


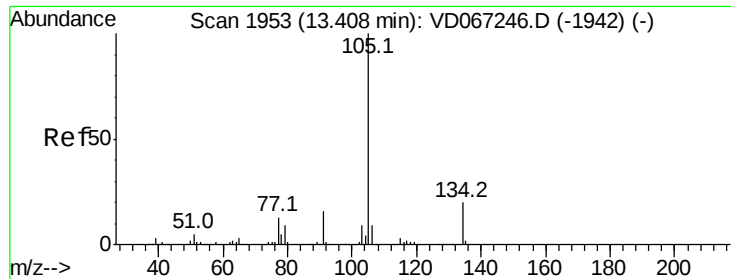
#84
1,2,4-Trimethylbenzene
Concen: 22.535 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067315.D
Acq: 20 Oct 2020 11:12

Tgt Ion:105 Resp: 283998
Ion Ratio Lower Upper
105 100
120 44.9 22.4 67.3



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





#85

sec-Butylbenzene

Concen: 21.962 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD067315.D

Acq: 20 Oct 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

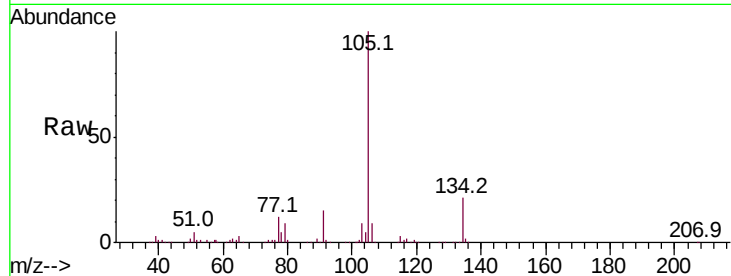
VD1020SBS01

Tot Ion:105 Resp: 324572

Ion Ratio Lower Upper

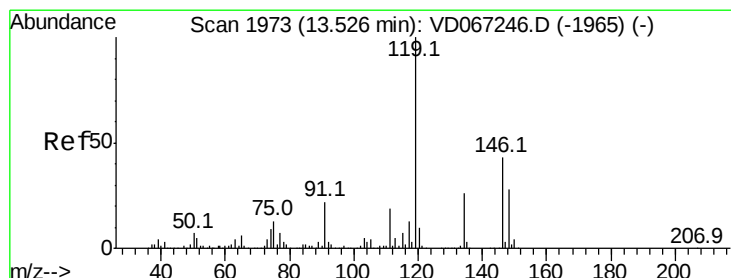
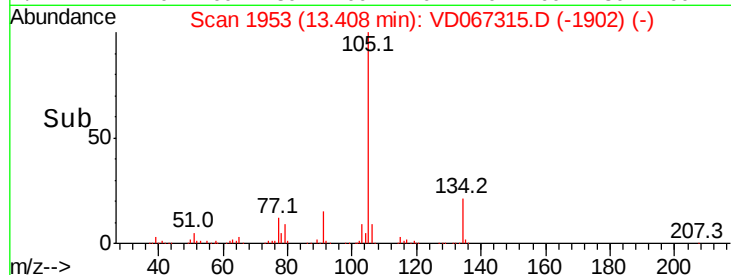
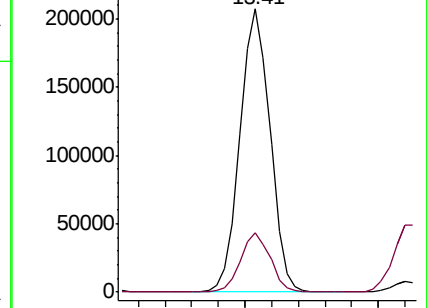
105 100

134 20.4 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.110 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD067315.D

Acq: 20 Oct 2020 11:12

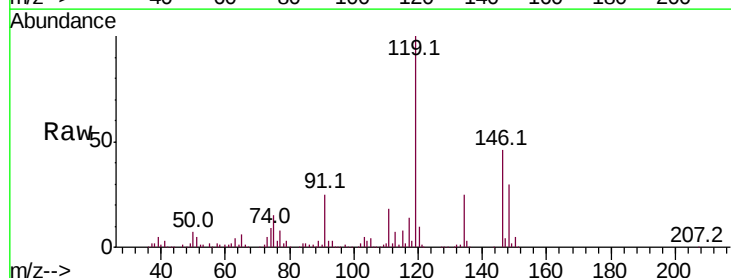
Tgt Ion:119 Resp: 308425

Ion Ratio Lower Upper

119 100

134 25.3 13.1 39.3

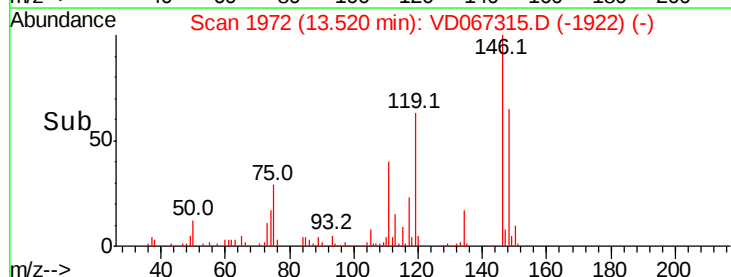
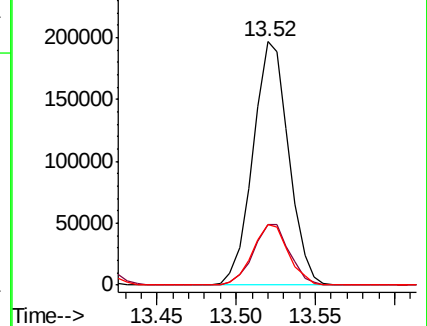
91 25.1 11.9 35.9

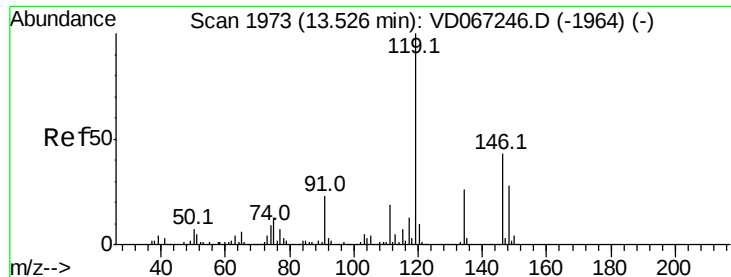


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

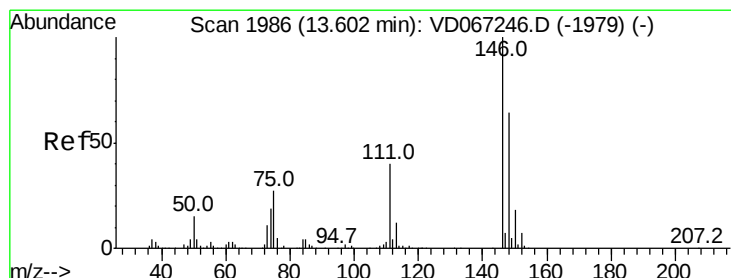
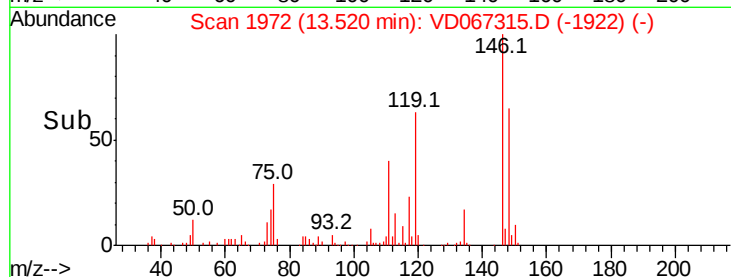
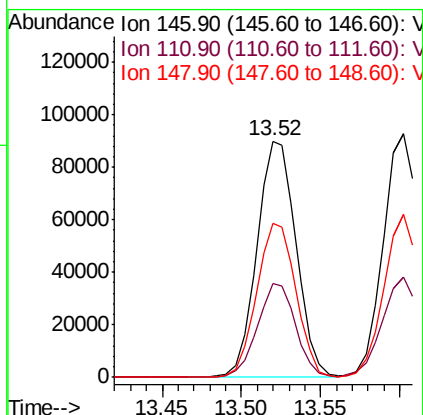
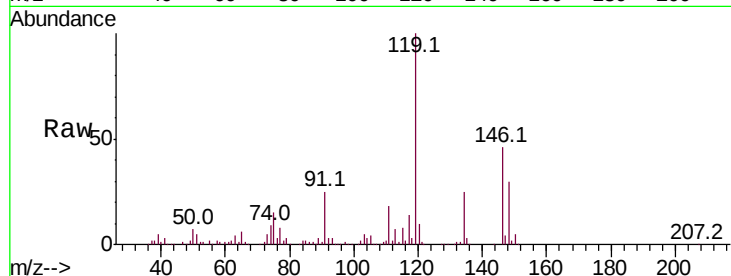




#87
 1,3-Dichlorobenzene
 Concen: 21.895 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD067315.D
 Acq: 20 Oct 2020 11:12

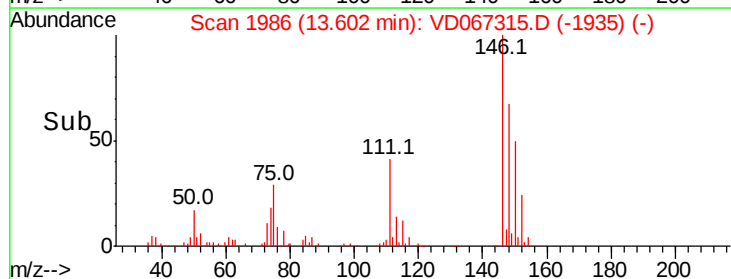
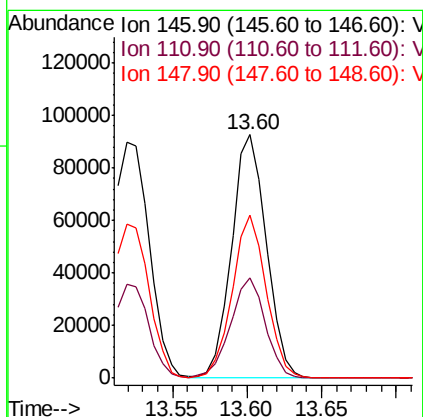
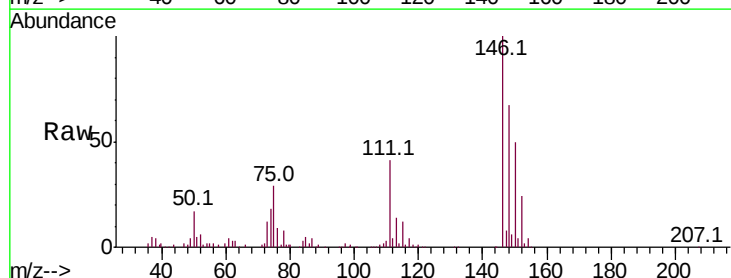
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1020SBS01

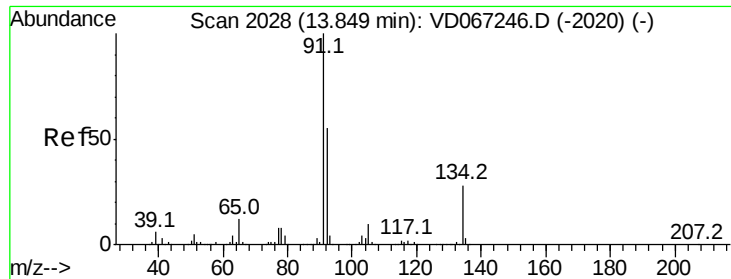
Tot Ion:146 Resp: 154161
 Ion Ratio Lower Upper
 146 100
 111 39.0 21.1 63.3
 148 65.3 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 21.553 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD067315.D
 Acq: 20 Oct 2020 11:12

Tgt Ion:146 Resp: 150353
 Ion Ratio Lower Upper
 146 100
 111 41.4 19.9 59.7
 148 65.6 31.9 95.9

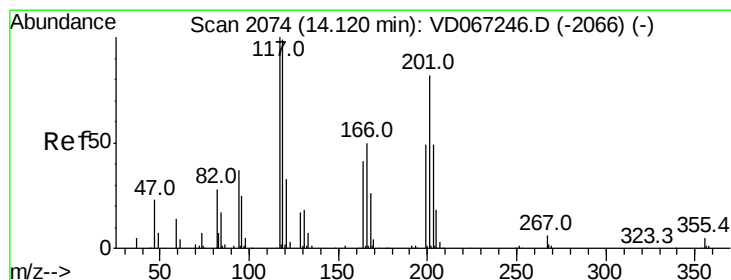
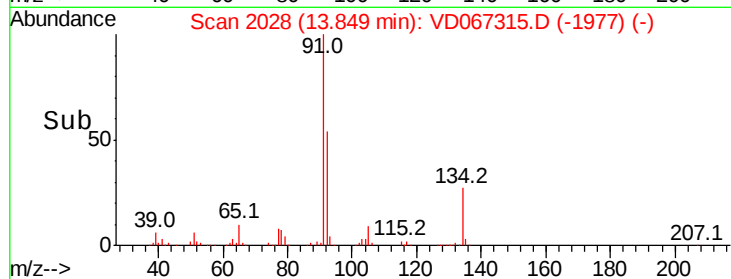
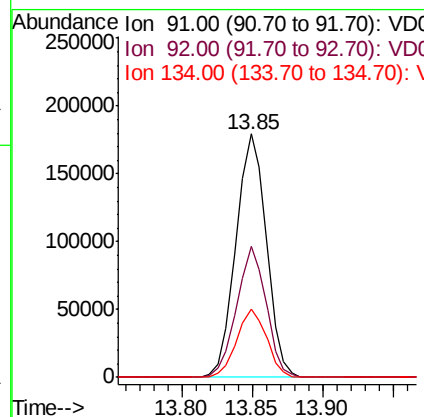
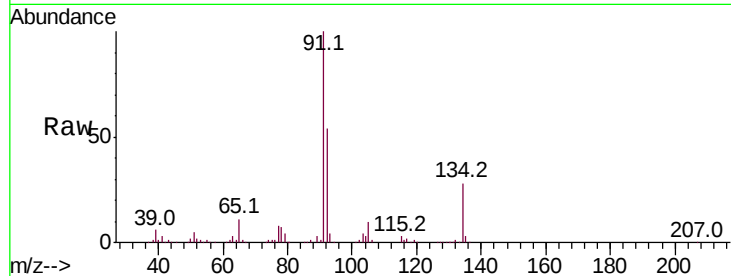




#89
n-Butylbenzene
Concen: 21.990 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067315.D
Acq: 20 Oct 2020 11:12

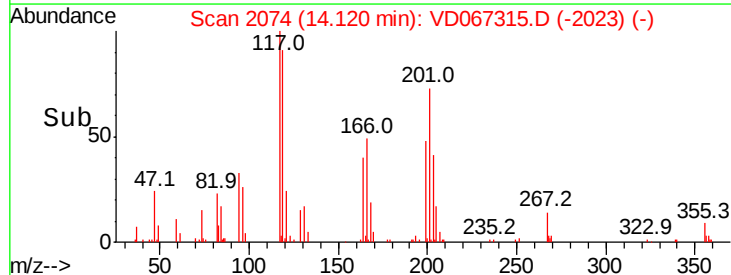
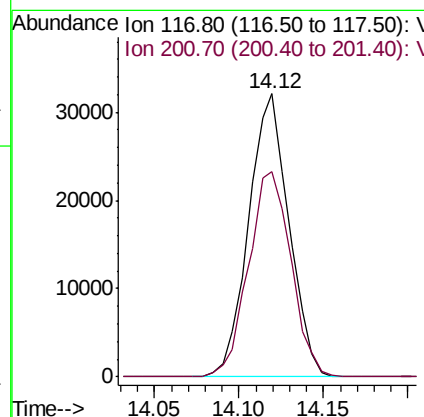
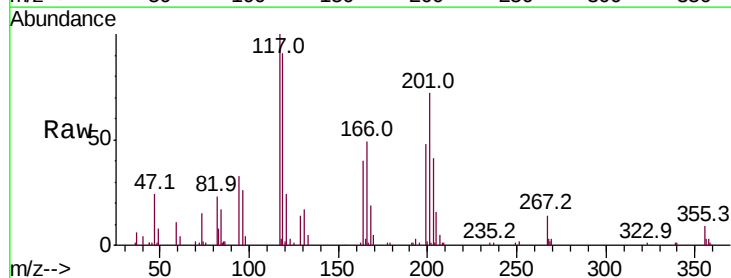
Instrument :
MSVOA_D
ClientSampleId :
VD1020SBS01

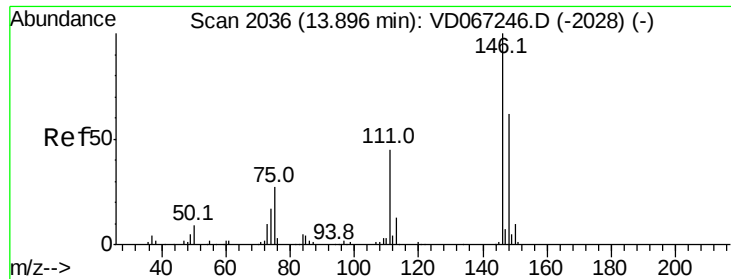
Tot Ion: 91 Resp: 269859
Ion Ratio Lower Upper
91 100
92 52.1 26.7 80.0
134 27.6 14.2 42.6



#90
Hexachloroethane
Concen: 21.813 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD067315.D
Acq: 20 Oct 2020 11:12

Tgt Ion: 117 Resp: 53098
Ion Ratio Lower Upper
117 100
201 76.7 40.8 122.2

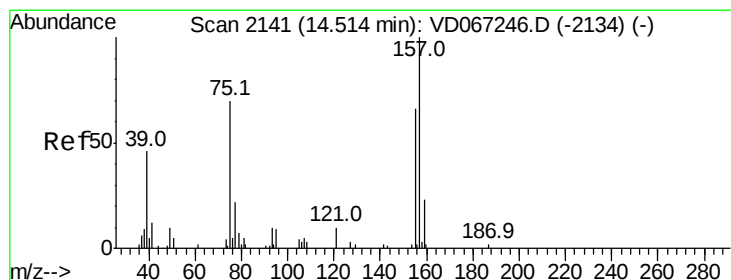
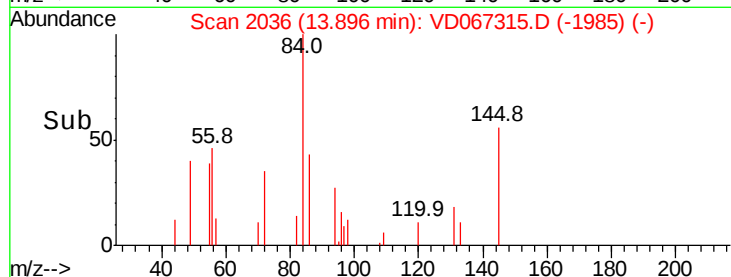
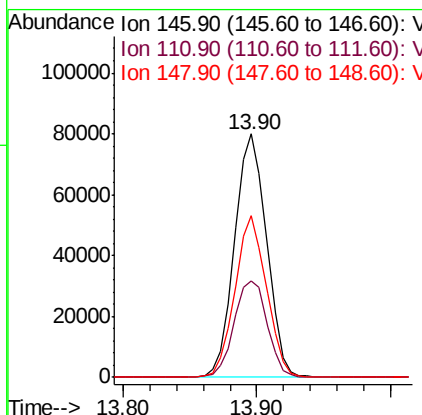
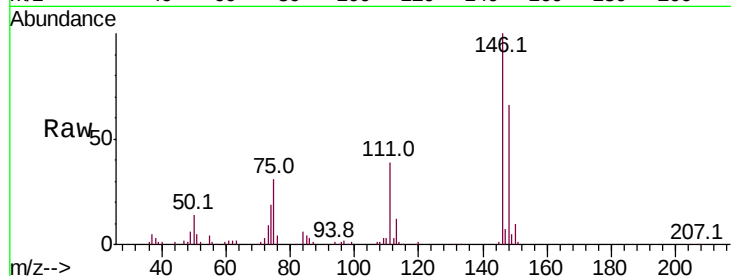




#91
1,2-Dichlorobenzene
Concen: 21.606 ug/l
RT: 13.90 min Scan# 2036
Delta R.T. 0.00 min
Lab File: VD067315.D
Acq: 20 Oct 2020 11:12

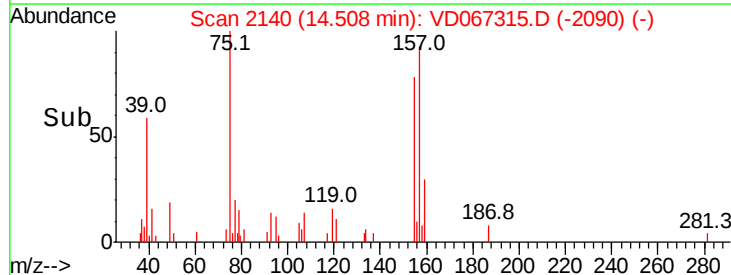
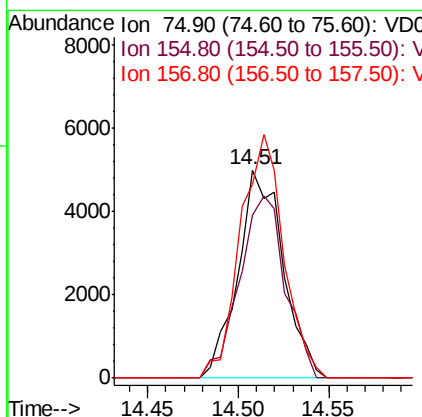
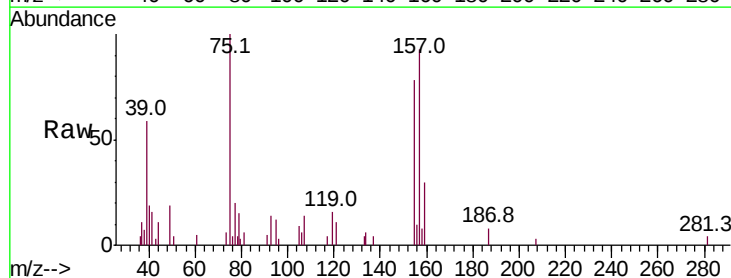
Instrument :
MSVOA_D
ClientSampleId :
VD1020SBS01

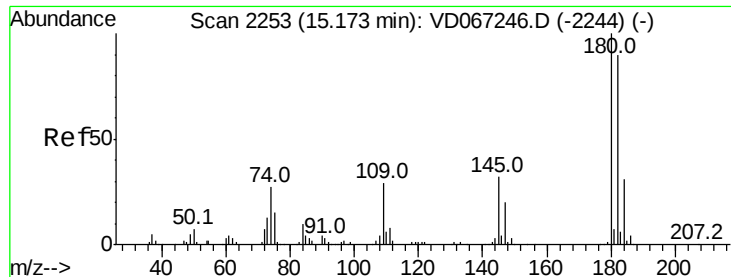
Tot Ion:146 Resp: 132901
Ion Ratio Lower Upper
146 100
111 40.9 22.0 66.0
148 65.2 32.5 97.5



#92
1,2-Dibromo-3-Chloropropane
Concen: 21.146 ug/l
RT: 14.51 min Scan# 2140
Delta R.T. -0.01 min
Lab File: VD067315.D
Acq: 20 Oct 2020 11:12

Tgt Ion: 75 Resp: 8637
Ion Ratio Lower Upper
75 100
155 89.1 44.8 134.4
157 112.4 62.5 187.4

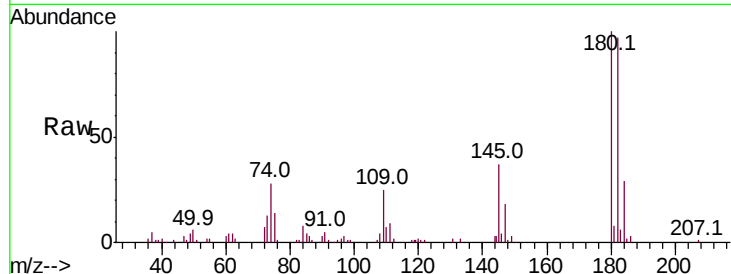




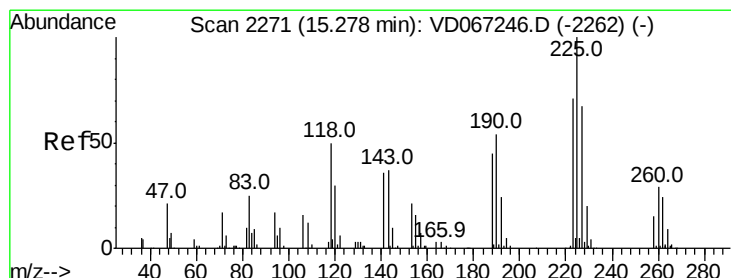
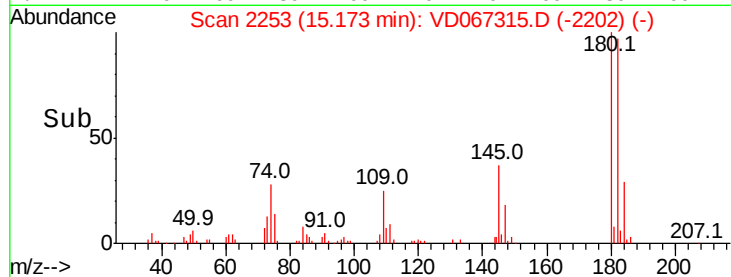
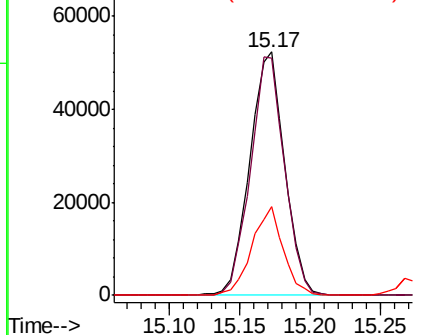
#93
 1,2,4-Trichlorobenzene
 Concen: 21.981 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD067315.D
 Acq: 20 Oct 2020 11:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1020SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	48.1	144.4
145	32.8	16.3	48.9

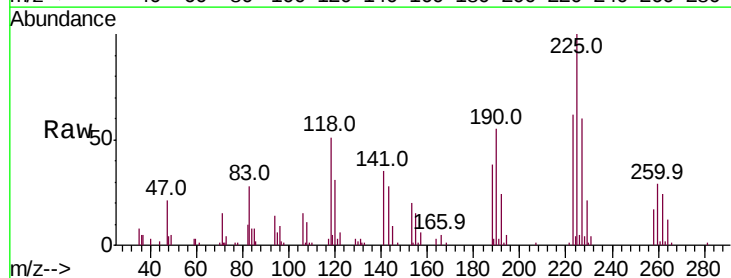


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

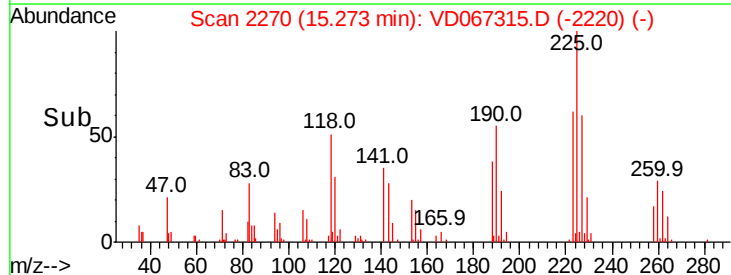
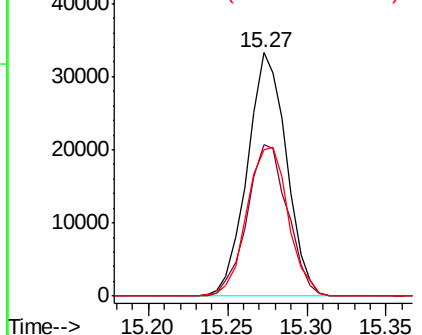


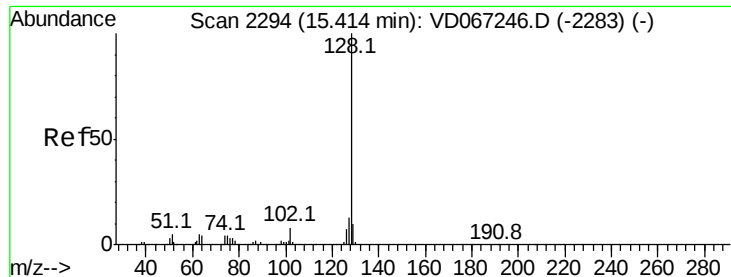
#94
 Hexachlorobutadiene
 Concen: 22.206 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.01 min
 Lab File: VD067315.D
 Acq: 20 Oct 2020 11:12

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.1	31.9	95.7
227	64.8	31.2	93.6



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

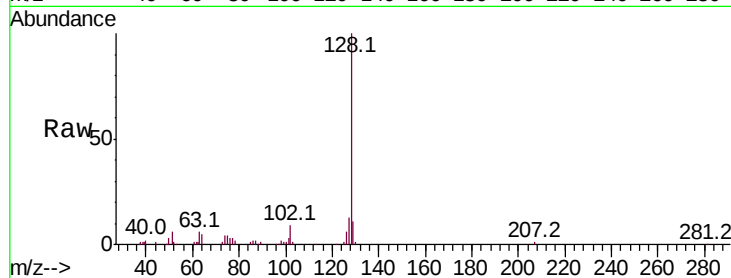




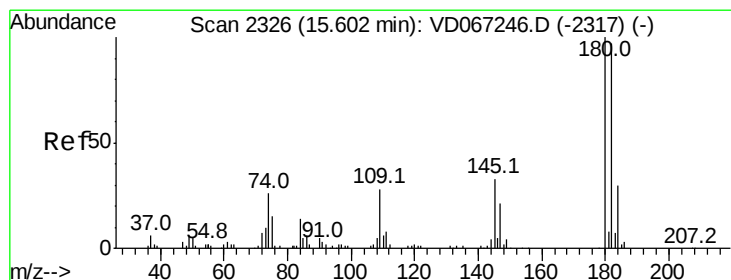
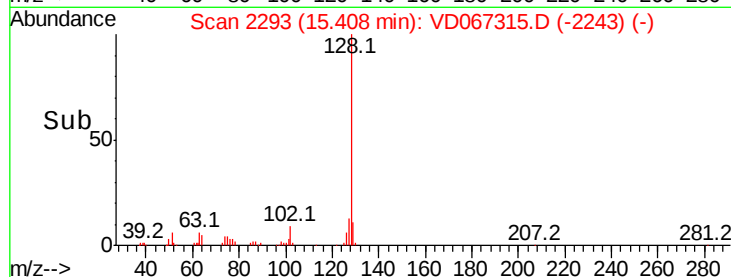
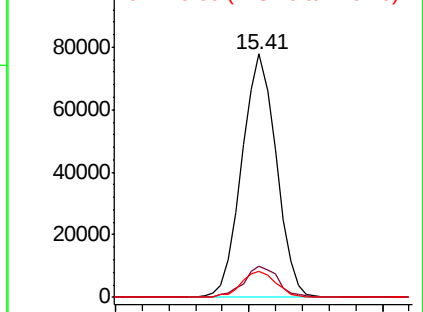
#95
Naphthalene
Concen: 20.422 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD067315.D
Acq: 20 Oct 2020 11:12

Instrument :
MSVOA_D
ClientSampleId :
VD1020SBS01

Tot Ion:128 Resp: 139053
Ion Ratio Lower Upper
128 100
127 12.7 10.4 15.6
129 10.7 8.6 12.8

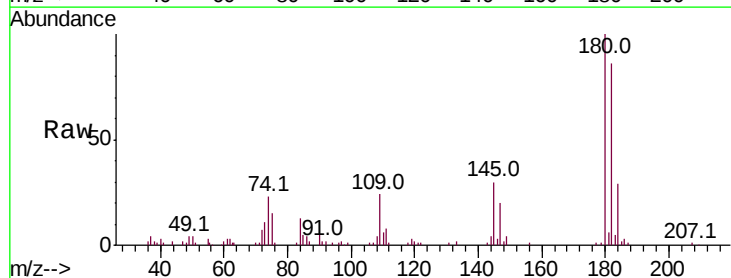


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 21.827 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.01 min
Lab File: VD067315.D
Acq: 20 Oct 2020 11:12

Tgt Ion:180 Resp: 78203
Ion Ratio Lower Upper
180 100
182 95.1 48.1 144.3
145 35.0 17.3 51.9



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

