

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102920\
 Data File : VD067447.D
 Acq On : 29 Oct 2020 13:02
 Operator : VA/SY
 Sample : VD1029SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBS01

Quant Time: Oct 30 02:26:15 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	7.99	168	313645	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	472724	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	436403	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	219730	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	154497	49.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.34%	
35) Dibromofluoromethane	7.91	113	162198	51.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.12%	
50) Toluene-d8	10.34	98	572512	50.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.58%	
62) 4-Bromofluorobenzene	12.64	95	205049	51.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	54214	18.806	ug/l	98
3) Chloromethane	2.21	50	36614	18.549	ug/l	96
4) Vinyl Chloride	2.35	62	40869	18.870	ug/l	99
5) Bromomethane	2.76	94	32599	20.231	ug/l	89
6) Chloroethane	2.92	64	26408	19.579	ug/l	92
7) Trichlorofluoromethane	3.27	101	113429	20.799	ug/l	96
8) Diethyl Ether	3.70	74	25341	20.306	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	61413	21.195	ug/l	98
10) Methyl Iodide	4.30	142	53519	20.023	ug/l	96
11) Tert butyl alcohol	5.22	59	20333	96.456	ug/l	96
12) 1,1-Dichloroethene	4.07	96	53070	20.502	ug/l	94
13) Acrolein	3.92	56	8622	63.596	ug/l	98
14) Allyl chloride	4.71	41	59229	19.980	ug/l	98
15) Acrylonitrile	5.43	53	42126	101.166	ug/l	98
16) Acetone	4.16	43	48173	109.466	ug/l	91
17) Carbon Disulfide	4.41	76	140224	19.002	ug/l	99
18) Methyl Acetate	4.72	43	20566	20.489	ug/l #	66
19) Methyl tert-butyl Ether	5.47	73	104436	20.290	ug/l	96
20) Methylene Chloride	4.97	84	68484	21.759	ug/l	92
21) trans-1,2-Dichloroethene	5.47	96	64178	21.544	ug/l	87
22) Diisopropyl ether	6.37	45	118191	21.826	ug/l #	95
23) Vinyl Acetate	6.30	43	317344	103.006	ug/l	96
24) 1,1-Dichloroethane	6.27	63	101939	21.991	ug/l	97
25) 2-Butanone	7.21	43	52306	104.270	ug/l	98
26) 2,2-Dichloropropane	7.21	77	102254	21.401	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	70327	21.541	ug/l	99
28) Bromochloromethane	7.55	49	31214	19.742	ug/l	99
29) Tetrahydrofuran	7.57	42	27409	98.293	ug/l	92
30) Chloroform	7.71	83	121203	21.887	ug/l	89
31) Cyclohexane	7.99	56	73461	20.298	ug/l #	89
32) 1,1,1-Trichloroethane	7.91	97	114337	21.044	ug/l	97
36) 1,1-Dichloropropene	8.11	75	84475	21.084	ug/l	100
37) Ethyl Acetate	7.30	43	22447	19.042	ug/l	97
38) Carbon Tetrachloride	8.10	117	106789	20.854	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	87749	20.949	ug/l	94
40) Benzene	8.35	78	230716	20.990	ug/l	99
41) Methacrylonitrile	7.57	41	32914	51.669	ug/l #	8
42) 1,2-Dichloroethane	8.43	62	72383	21.042	ug/l	99
43) Isopropyl Acetate	8.46	43	47944	20.497	ug/l	98
44) Trichloroethene	9.12	130	76235	21.662	ug/l	97
45) 1,2-Dichloropropane	9.38	63	54477	21.385	ug/l	95
46) Dibromomethane	9.48	93	32275	20.335	ug/l	98
47) Bromodichloromethane	9.67	83	89585	21.067	ug/l	95
48) Methyl methacrylate	9.46	41	22610	19.890	ug/l	98
49) 1,4-Dioxane	9.47	88	6929	433.925	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	120401	103.200	ug/l	99
52) Toluene	10.41	92	162444	21.698	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	78381	20.982	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	90357	20.668	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	46533	21.500	ug/l	97
56) Ethyl methacrylate	10.67	69	45035	20.063	ug/l	99
57) 1,3-Dichloropropane	10.95	76	71776	20.839	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	117301	101.867	ug/l	98
59) 2-Hexanone	10.99	43	82742	103.788	ug/l	100
60) Dibromochloromethane	11.14	129	67353	21.339	ug/l	99
61) 1,2-Dibromoethane	11.25	107	45196	21.182	ug/l	100
64) Tetrachloroethene	10.88	164	67919	21.481	ug/l	97
65) Chlorobenzene	11.67	112	183344	21.909	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	72962	21.937	ug/l	99
67) Ethyl Benzene	11.75	91	314199	21.903	ug/l	97
68) m/p-Xylenes	11.86	106	246628	44.646	ug/l	96
69) o-Xylene	12.18	106	108302	21.172	ug/l	97
70) Styrene	12.20	104	194245	22.059	ug/l	100
71) Bromoform	12.37	173	38165	21.359	ug/l #	96
73) Isopropylbenzene	12.48	105	308580	22.127	ug/l	99
74) N-amyl acetate	12.30	43	45006	21.368	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.74	83	45659	21.368	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	61061	40.094	ug/l #	100
77) Bromobenzene	12.77	156	76922	22.125	ug/l	100
78) n-propylbenzene	12.83	91	362149	22.413	ug/l	99
79) 2-Chlorotoluene	12.91	91	202114	21.570	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	271965	22.442	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	14301	21.295	ug/l	96
82) 4-Chlorotoluene	13.01	91	218687	21.990	ug/l	100
83) tert-Butylbenzene	13.23	119	234913	22.948	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	270131	22.553	ug/l	100
85) sec-Butylbenzene	13.41	105	318244	22.657	ug/l	98
86) p-Isopropyltoluene	13.52	119	297101	22.409	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	148489	22.189	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	150995	22.774	ug/l	99
89) n-Butylbenzene	13.85	91	253544	21.738	ug/l	98
90) Hexachloroethane	14.12	117	52712	22.784	ug/l	94
91) 1,2-Dichlorobenzene	13.90	146	129588	22.167	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	8170	21.046	ug/l	93

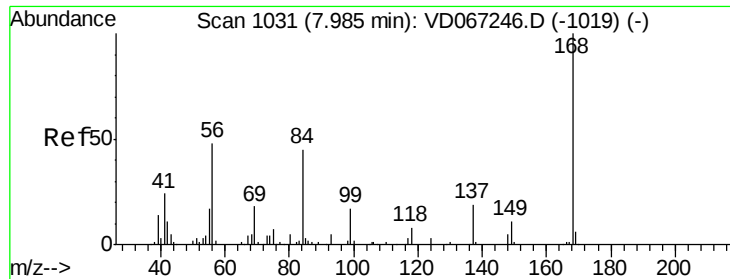
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	88316	22.406	ug/l	96
94) Hexachlorobutadiene	15.28	225	53778	21.971	ug/l	96
95) Naphthalene	15.41	128	129126	19.954	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	74054	21.748	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067447.D

Acq: 29 Oct 2020 13:02

Instrument :

MSVOA_D

ClientSampleId :

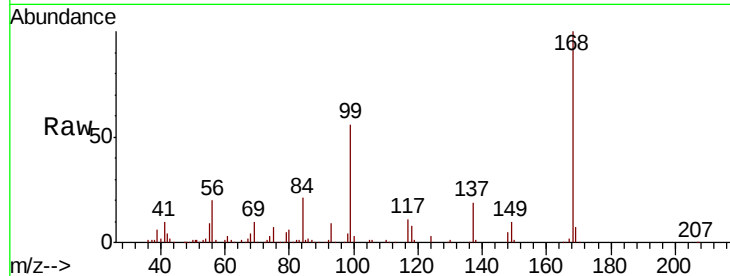
VD1029SBS01

Tot Ion:168 Resp: 313645

Ion Ratio Lower Upper

168 100

99 56.0 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

150000

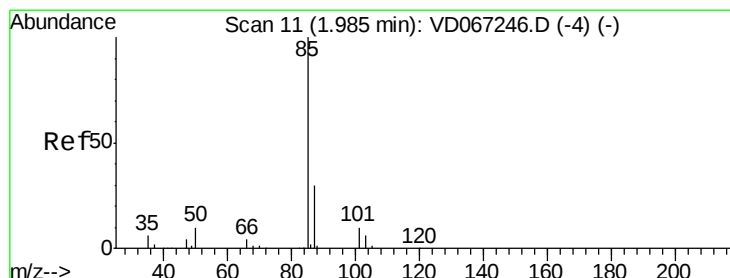
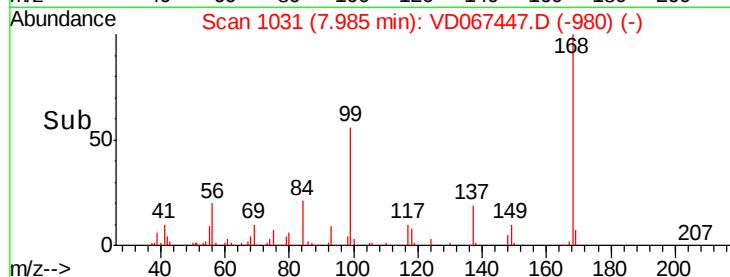
100000

50000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 18.806 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067447.D

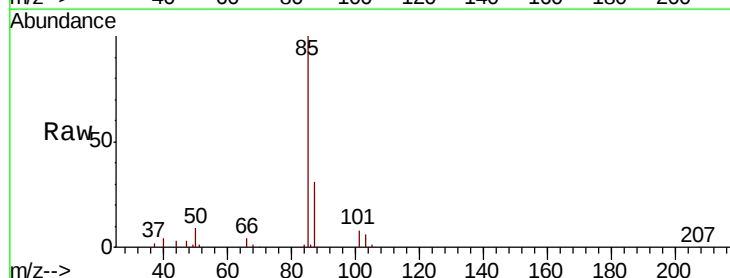
Acq: 29 Oct 2020 13:02

Tgt Ion: 85 Resp: 54214

Ion Ratio Lower Upper

85 100

87 31.4 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

40000

30000

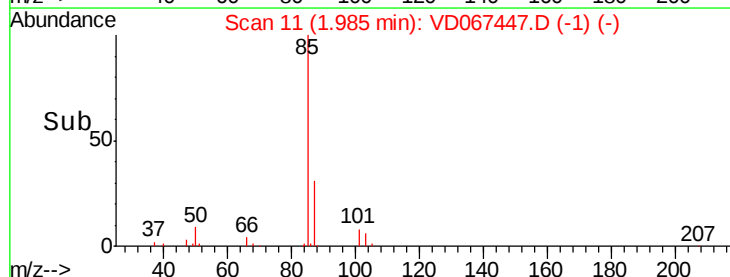
20000

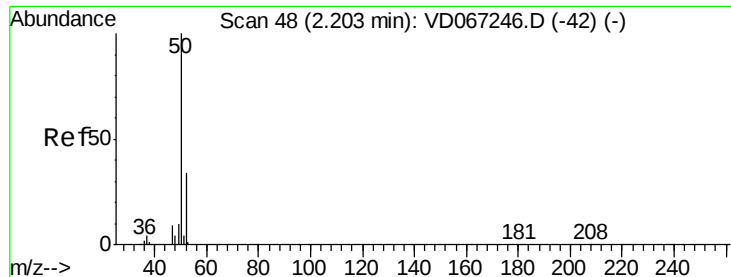
10000

0

1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 18.549 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD067447.D

Acq: 29 Oct 2020 13:02

Instrument :

MSVOA_D

ClientSampleId :

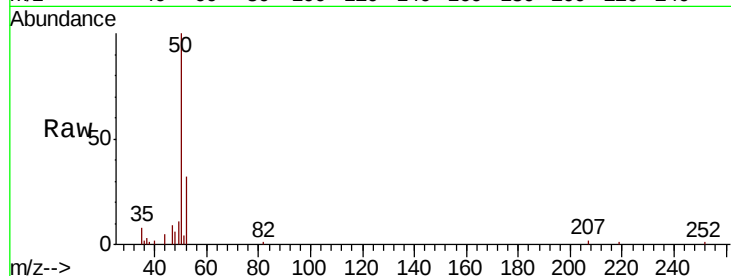
VD1029SBS01

Tot Ion: 50 Resp: 36614

Ion Ratio Lower Upper

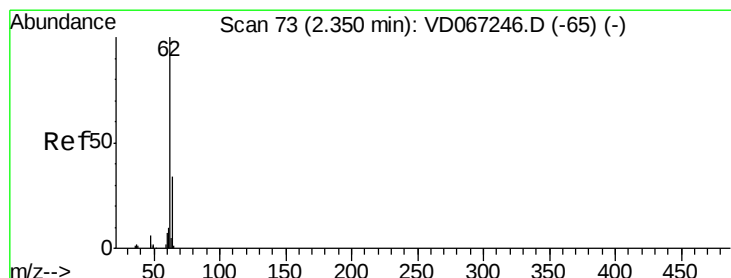
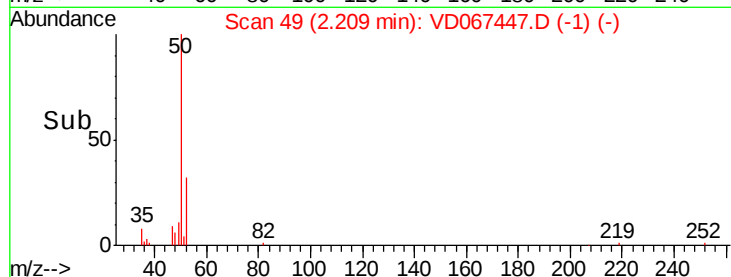
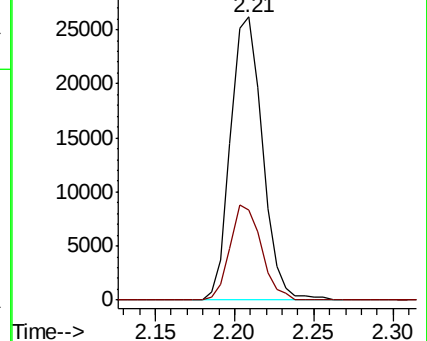
50 100

52 31.8 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: 18.870 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067447.D

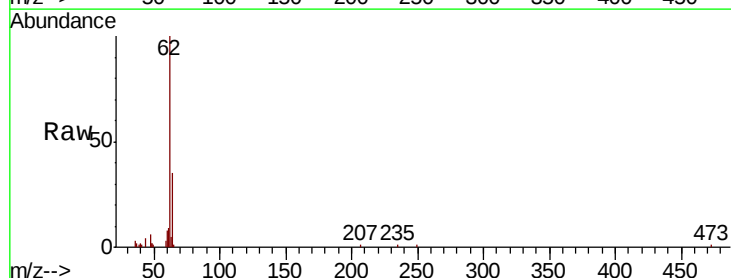
Acq: 29 Oct 2020 13:02

Tgt Ion: 62 Resp: 40869

Ion Ratio Lower Upper

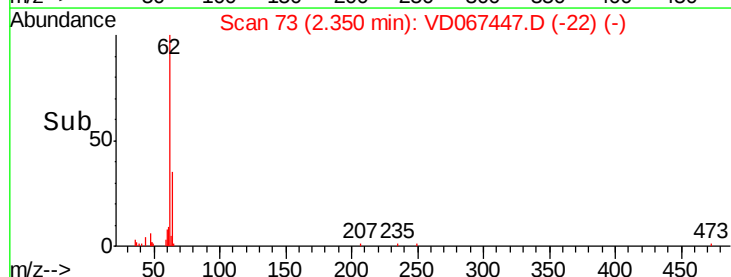
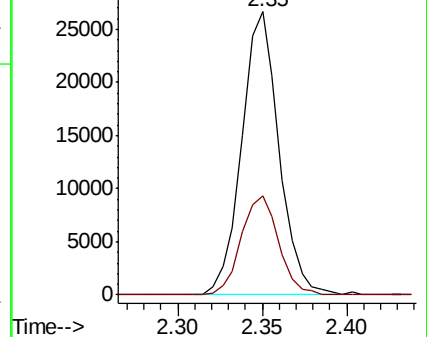
62 100

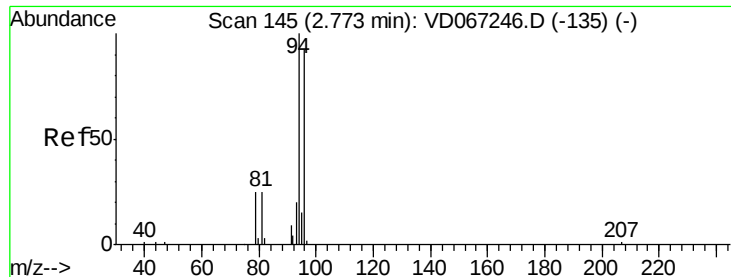
64 34.9 27.4 41.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 20.231 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD067447.D

Acq: 29 Oct 2020 13:02

Instrument :

MSVOA_D

ClientSampleId :

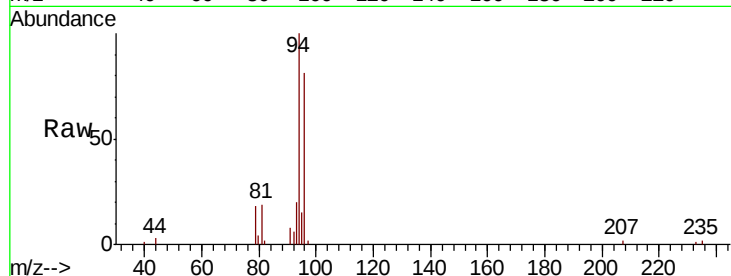
VD1029SBS01

Tot Ion: 94 Resp: 32599

Ion Ratio Lower Upper

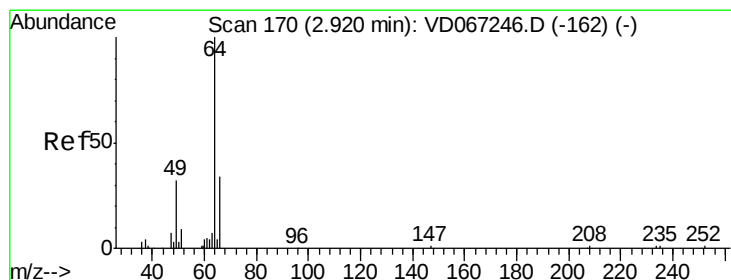
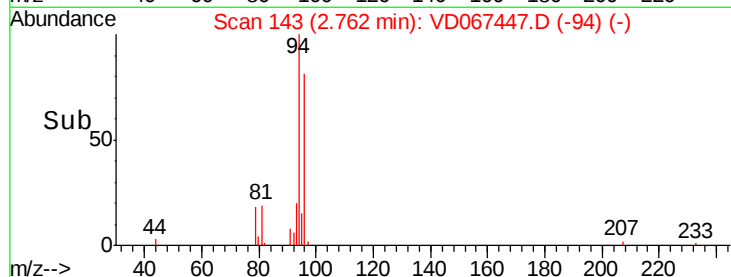
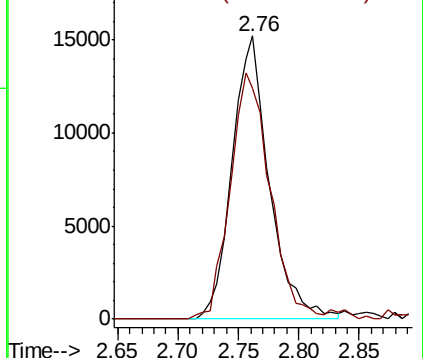
94 100

96 81.4 73.8 110.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 19.579 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD067447.D

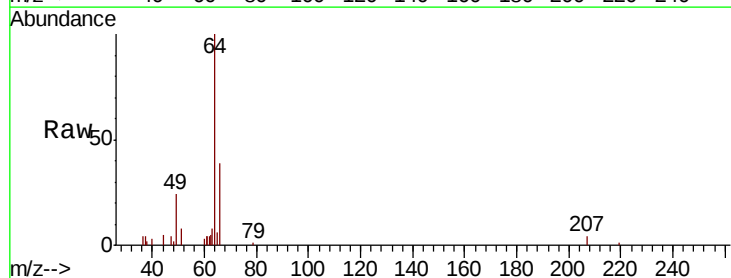
Acq: 29 Oct 2020 13:02

Tgt Ion: 64 Resp: 26408

Ion Ratio Lower Upper

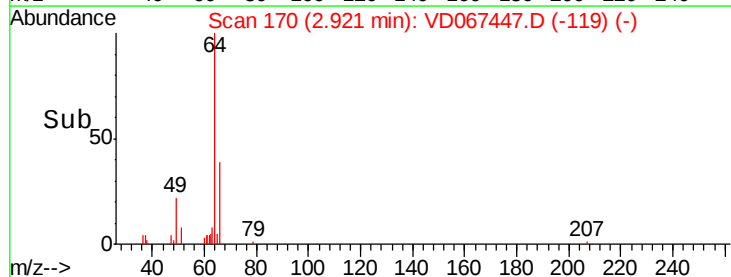
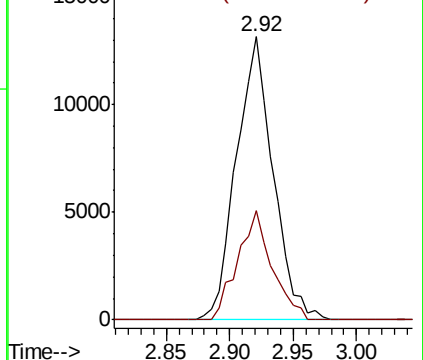
64 100

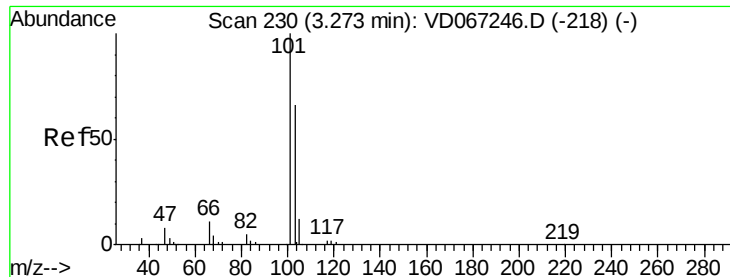
66 38.6 27.4 41.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 20.799 ug/l

RT: 3.27 min Scan# 229

Delta R.T. -0.01 min

Lab File: VD067447.D

Acq: 29 Oct 2020 13:02

Instrument :

MSVOA_D

ClientSampleId :

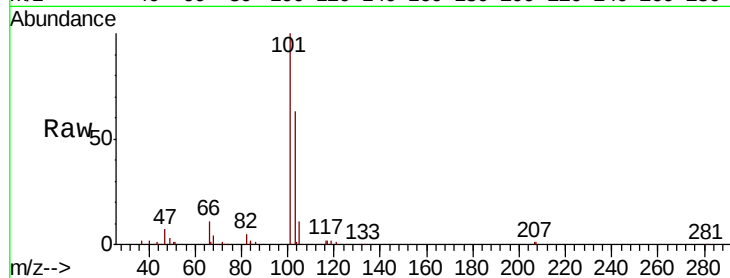
VD1029SBS01

Tot Ion:101 Resp: 113429

Ion Ratio Lower Upper

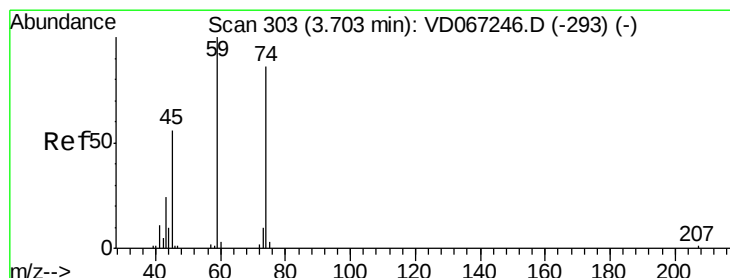
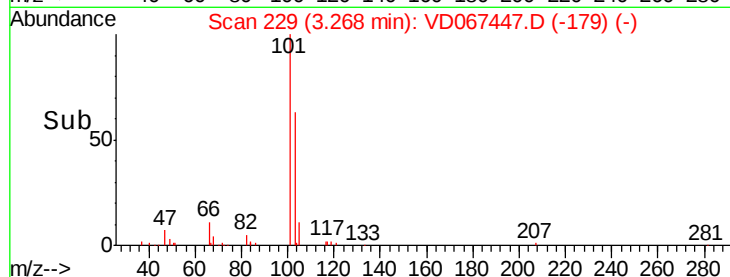
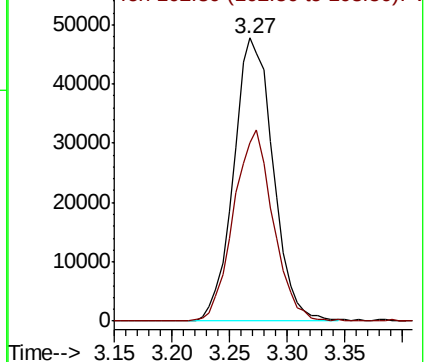
101 100

103 63.1 53.1 79.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 20.306 ug/l

RT: 3.70 min Scan# 303

Delta R.T. 0.00 min

Lab File: VD067447.D

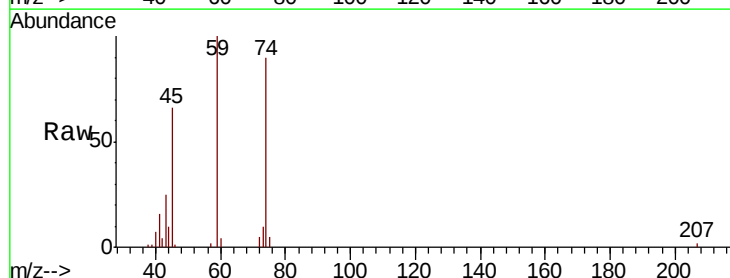
Acq: 29 Oct 2020 13:02

Tgt Ion: 74 Resp: 25341

Ion Ratio Lower Upper

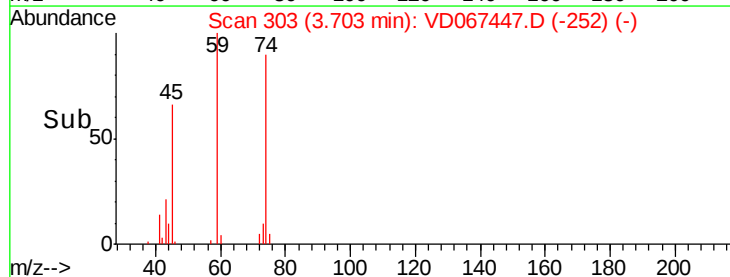
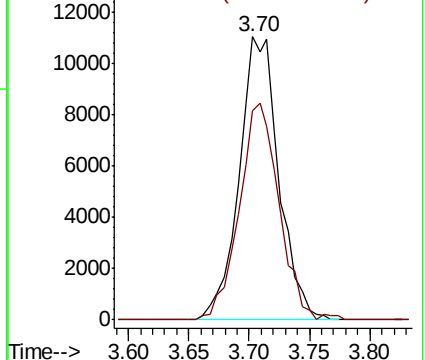
74 100

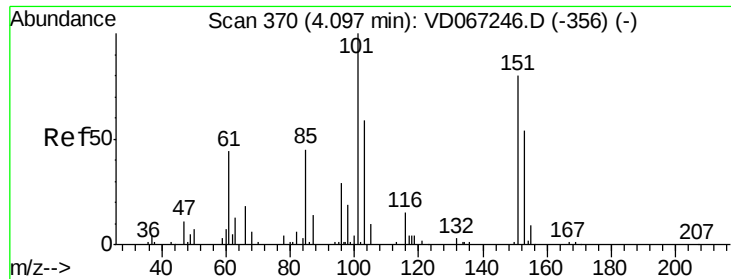
45 76.4 37.0 111.1



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.195 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD067447.D

Acq: 29 Oct 2020 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

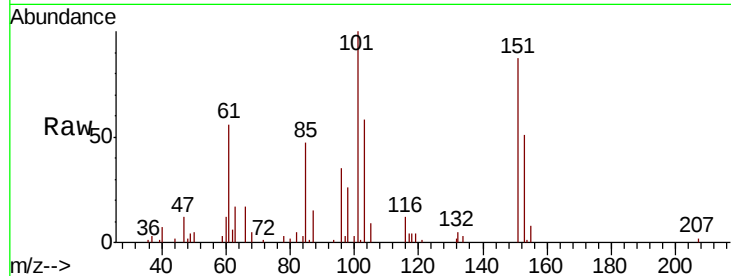
Tot Ion:101 Resp: 61413

Ion Ratio Lower Upper

101 100

85 43.5 34.2 51.4

151 84.9 66.3 99.5

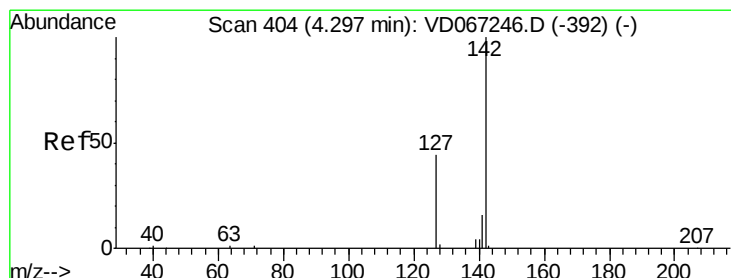
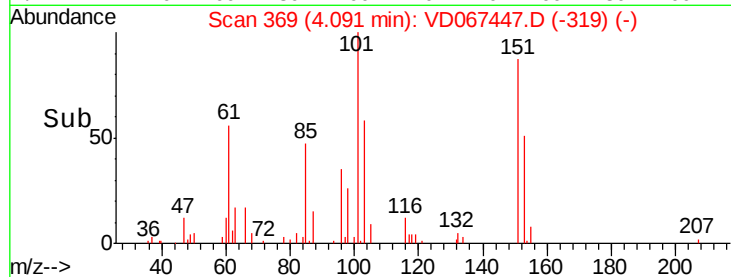
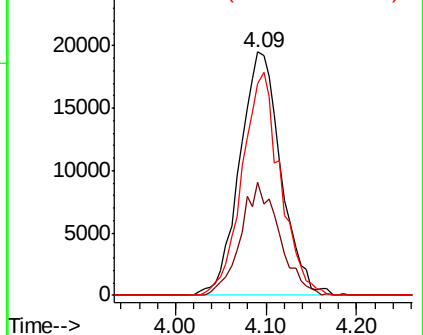


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.023 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

Lab File: VD067447.D

Acq: 29 Oct 2020 13:02

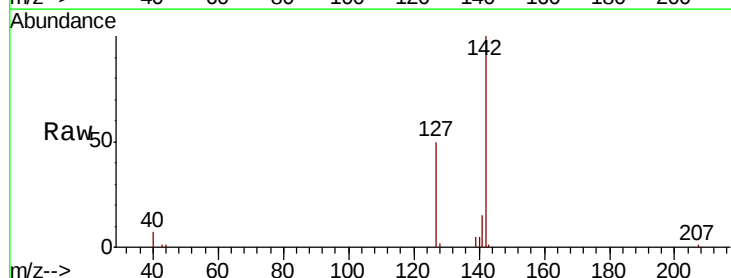
Tgt Ion:142 Resp: 53519

Ion Ratio Lower Upper

142 100

127 50.4 38.4 57.6

141 16.0 11.6 17.4

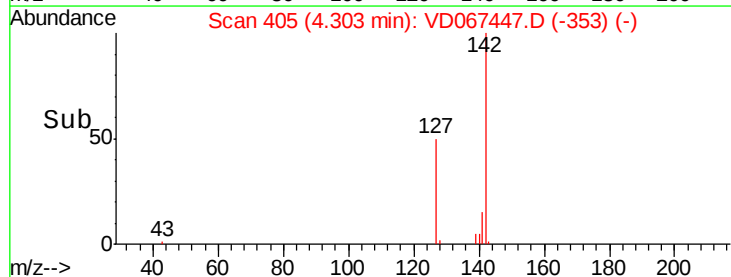
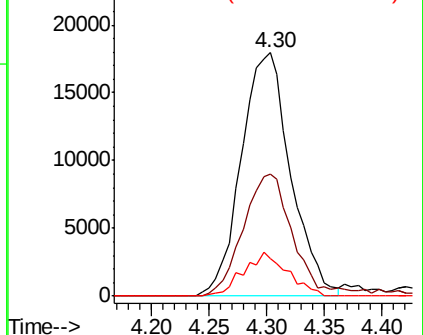


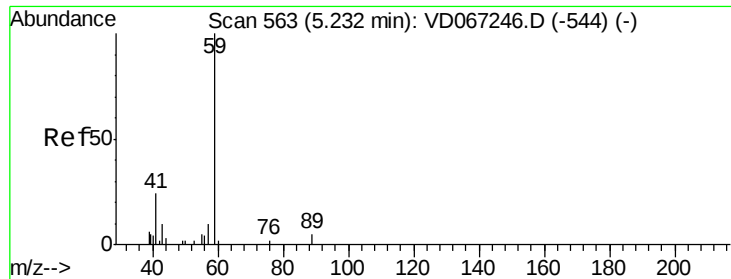
Abundance

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

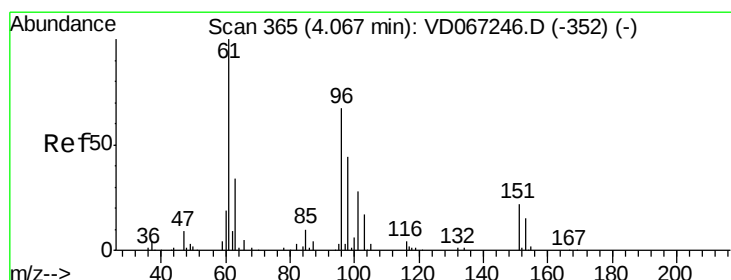
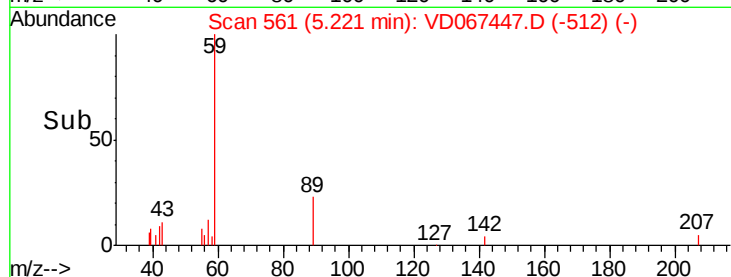
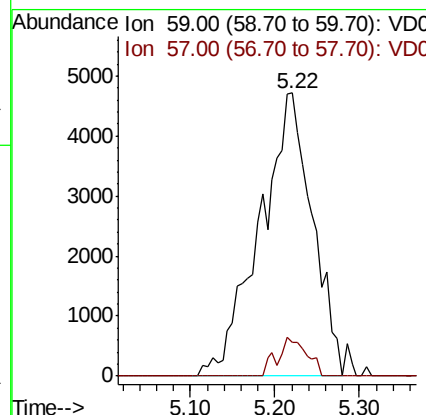
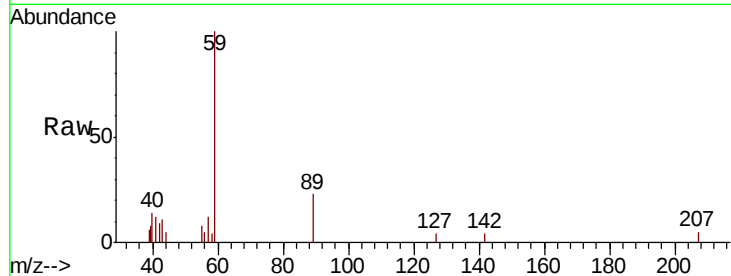




#11
Tert butyl alcohol
Concen: 96.456 ug/l
RT: 5.22 min Scan# 561
Delta R.T. -0.01 min
Lab File: VD067447.D
Acq: 29 Oct 2020 13:02

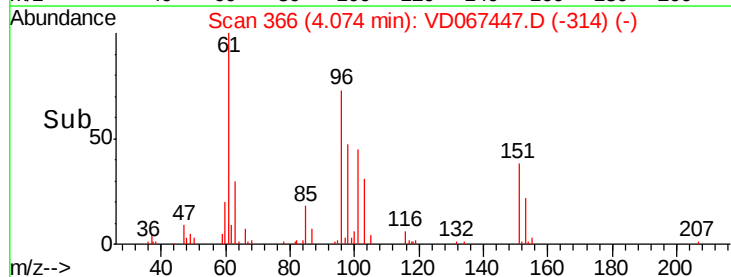
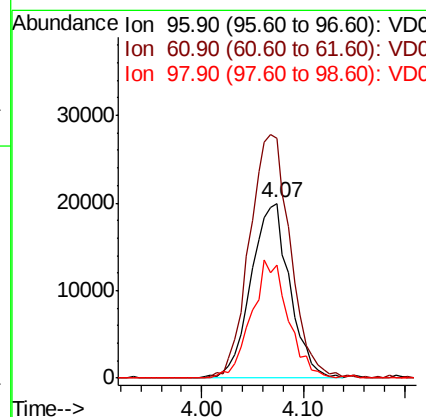
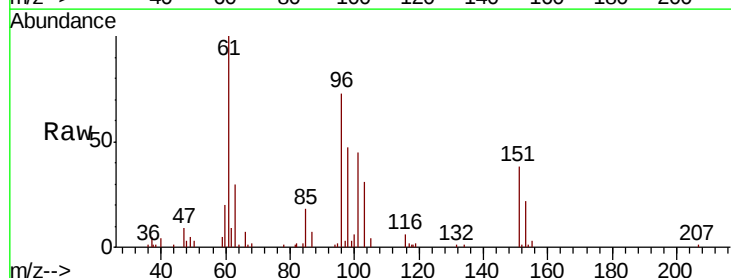
Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

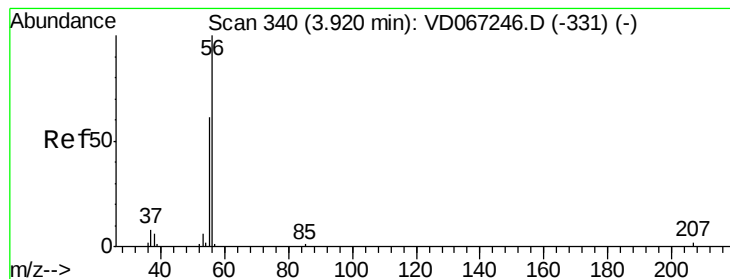
Tot Ion: 59 Resp: 20333
Ion Ratio Lower Upper
59 100
57 7.6 5.1 7.7



#12
1,1-Dichloroethene
Concen: 20.502 ug/l
RT: 4.07 min Scan# 366
Delta R.T. 0.01 min
Lab File: VD067447.D
Acq: 29 Oct 2020 13:02

Tgt Ion: 96 Resp: 53070
Ion Ratio Lower Upper
96 100
61 136.9 118.6 177.8
98 64.5 51.8 77.6





#13

Acrolein

Concen: 63.596 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD067447.D

Acq: 29 Oct 2020 13:02

Instrument :

MSVOA_D

ClientSampleId :

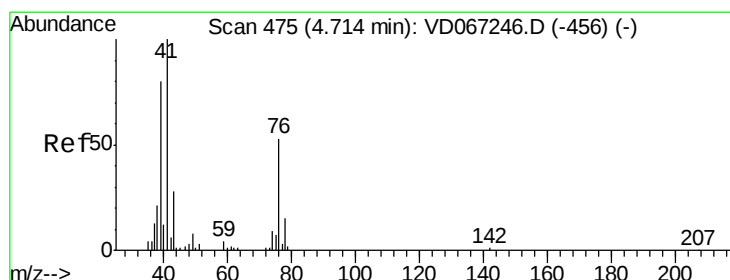
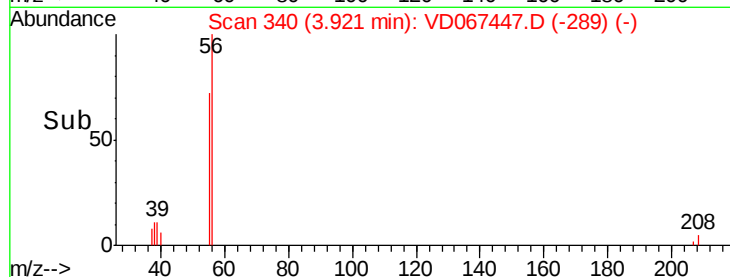
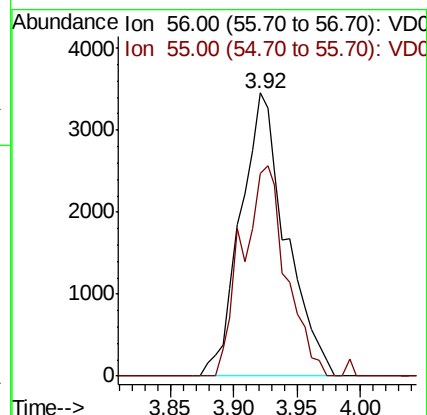
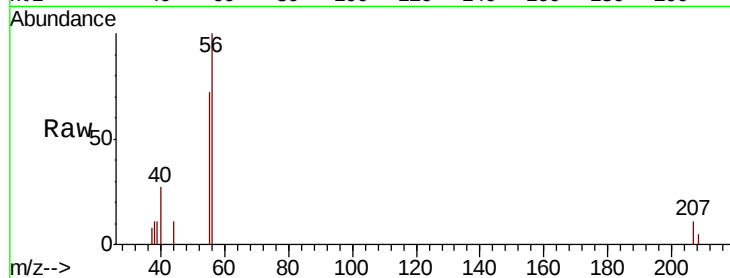
VD1029SBS01

Tot Ion: 56 Resp: 8622

Ion Ratio Lower Upper

56 100

55 72.0 56.0 84.0



#14

Allyl chloride

Concen: 19.980 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067447.D

Acq: 29 Oct 2020 13:02

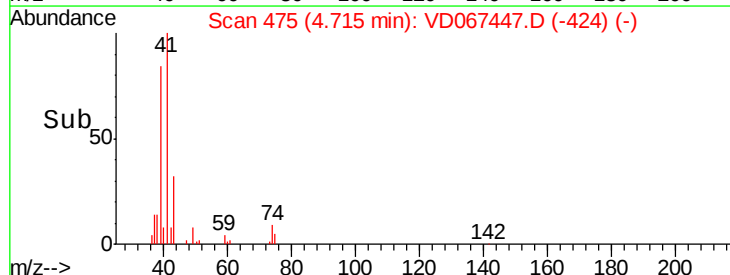
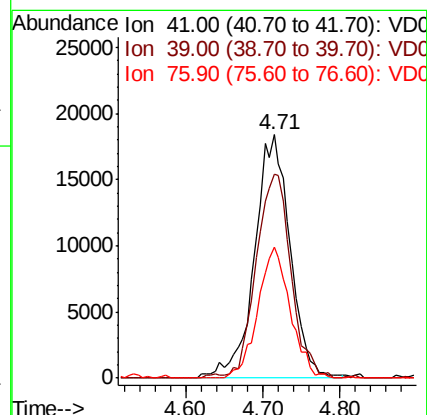
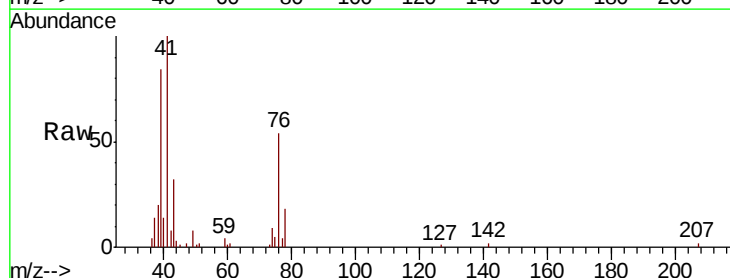
Tgt Ion: 41 Resp: 59229

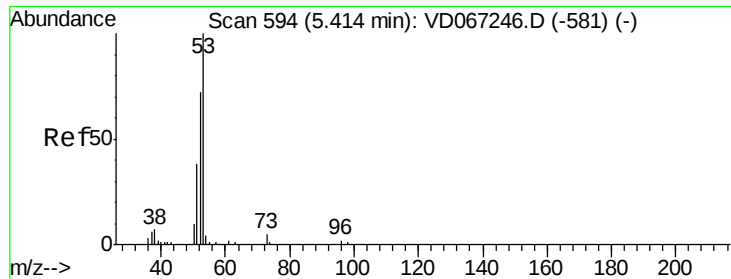
Ion Ratio Lower Upper

41 100

39 82.0 63.8 95.6

76 49.1 40.4 60.6





#15

Acrylonitrile

Concen: 101.166 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD067447.D

Acq: 29 Oct 2020 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

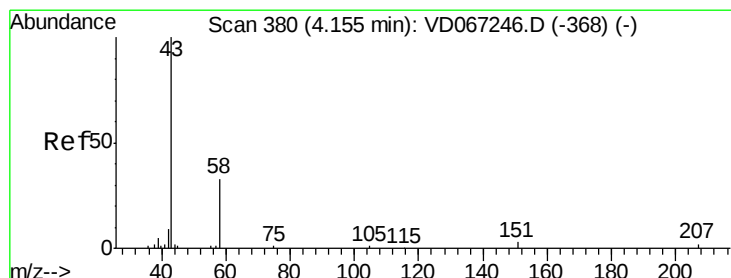
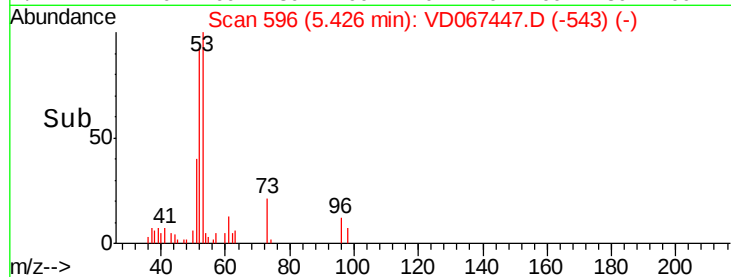
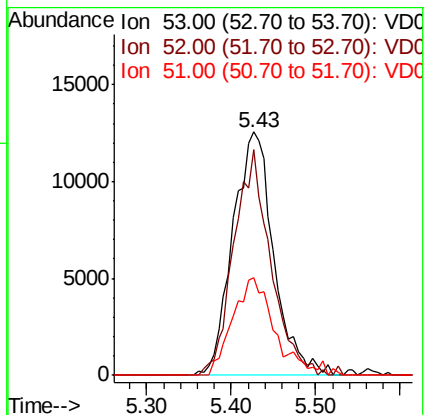
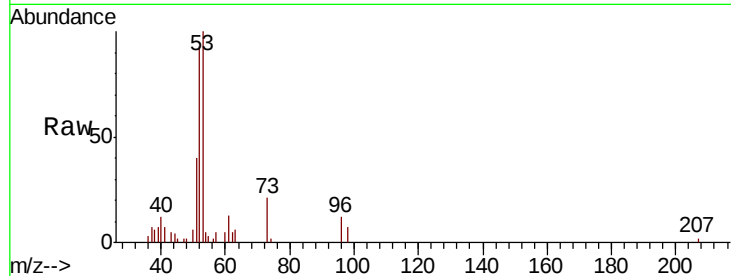
Tot Ion: 53 Resp: 42126

Ion Ratio Lower Upper

53 100

52 83.3 65.6 98.4

51 40.6 30.8 46.2



#16

Acetone

Concen: 109.466 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD067447.D

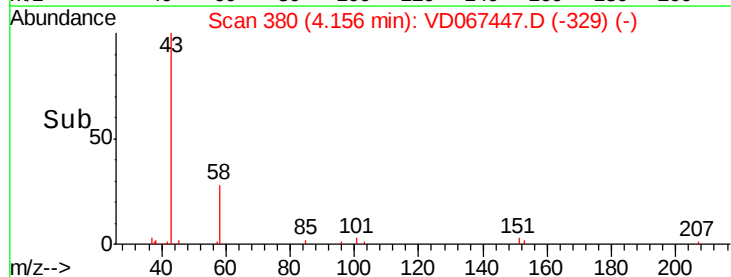
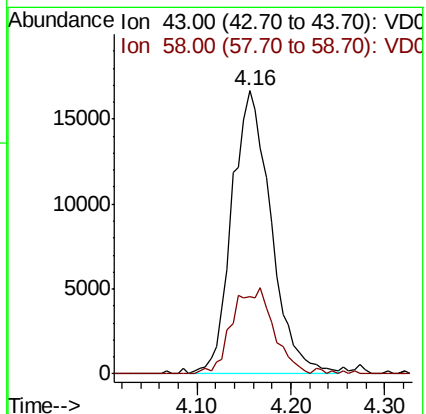
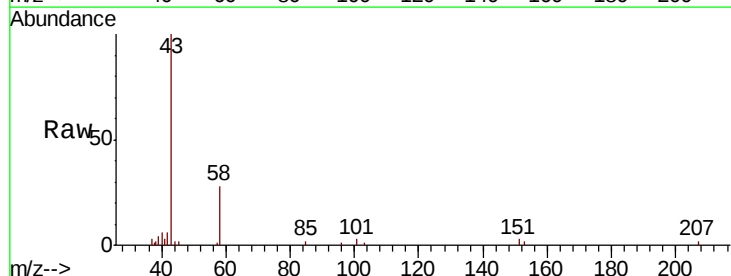
Acq: 29 Oct 2020 13:02

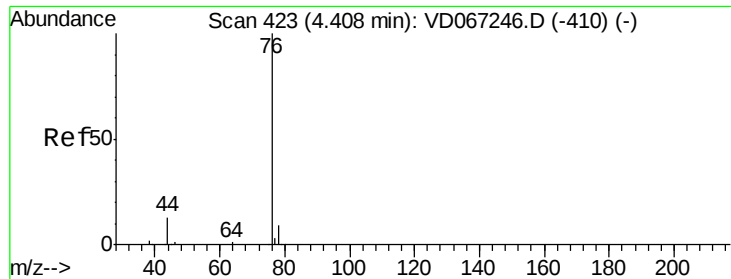
Tgt Ion: 43 Resp: 48173

Ion Ratio Lower Upper

43 100

58 27.5 26.1 39.1

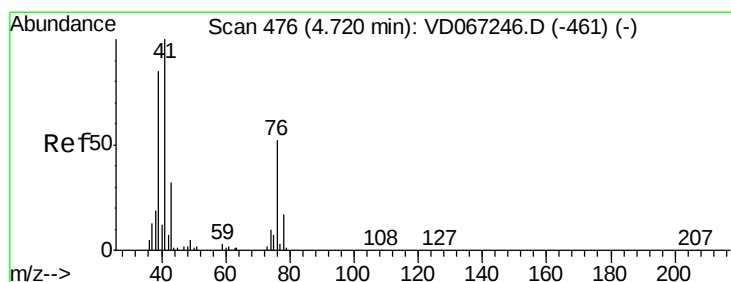
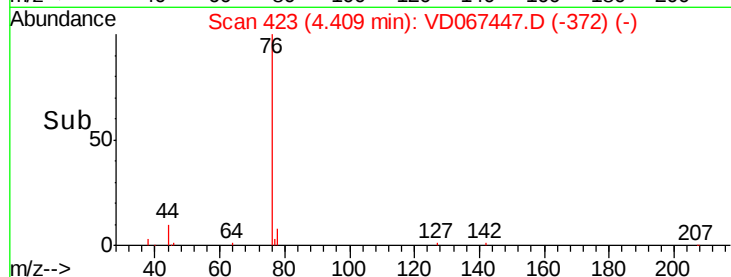
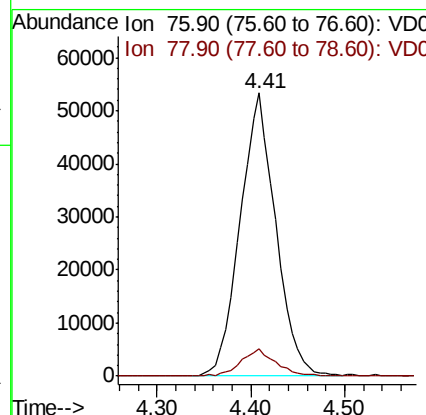
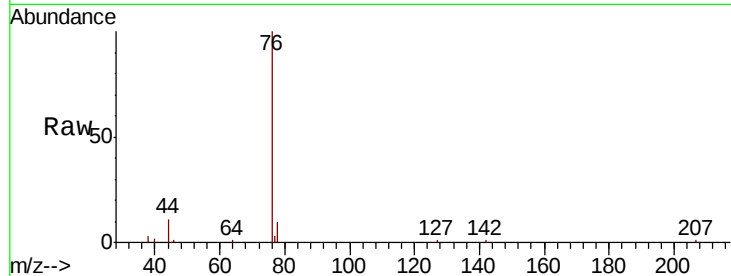




#17
Carbon Disulfide
Concen: 19.002 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD067447.D
Acq: 29 Oct 2020 13:02

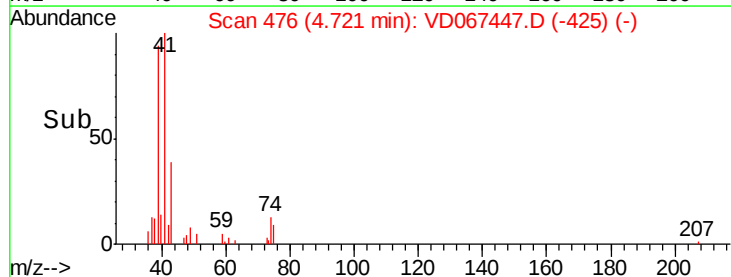
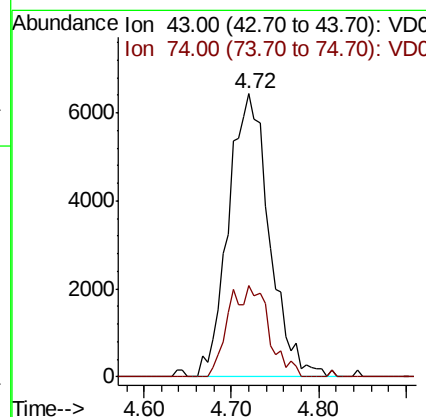
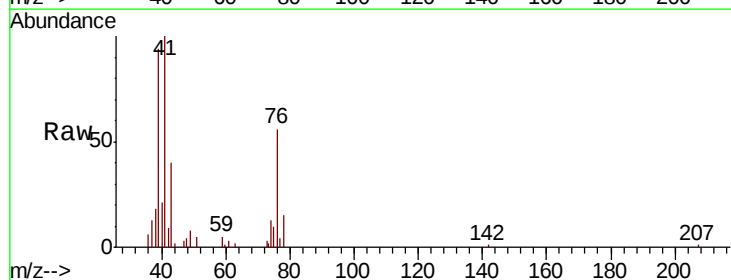
Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

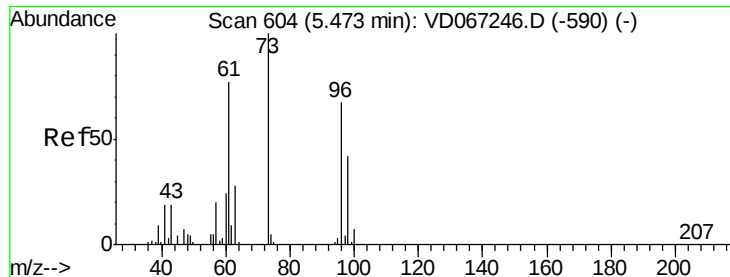
Tot Ion: 76 Resp: 140224
Ion Ratio Lower Upper
76 100
78 9.5 7.4 11.0



#18
Methyl Acetate
Concen: 20.489 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.00 min
Lab File: VD067447.D
Acq: 29 Oct 2020 13:02

Tgt Ion: 43 Resp: 20566
Ion Ratio Lower Upper
43 100
74 14.1 26.6 39.8#

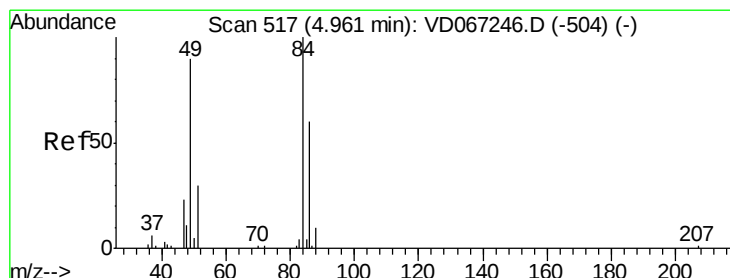
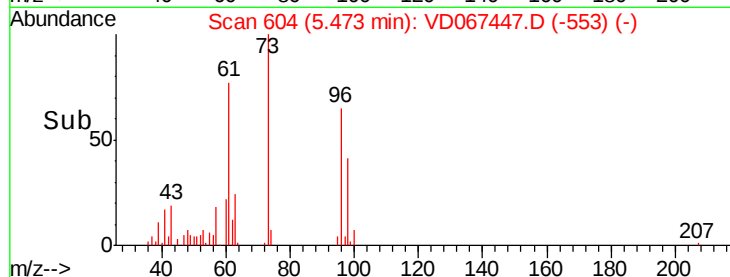
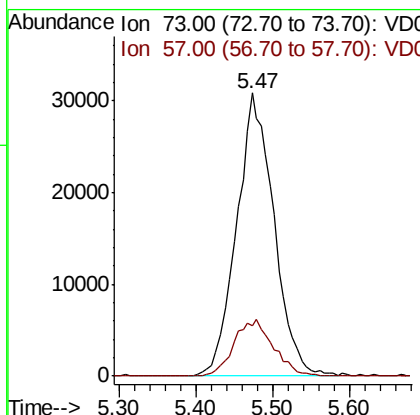
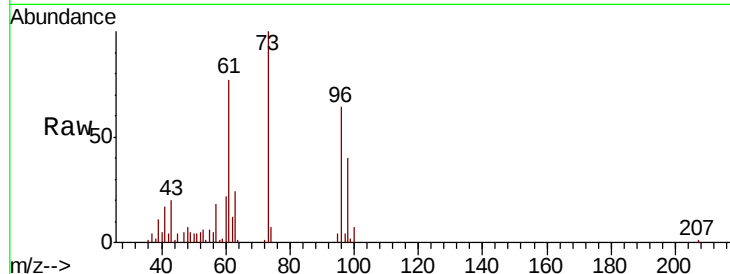




#19
Methyl tert-butyl Ether
Concen: 20.290 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD067447.D
Acq: 29 Oct 2020 13:02

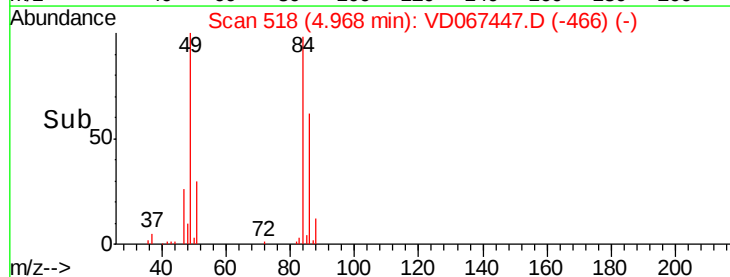
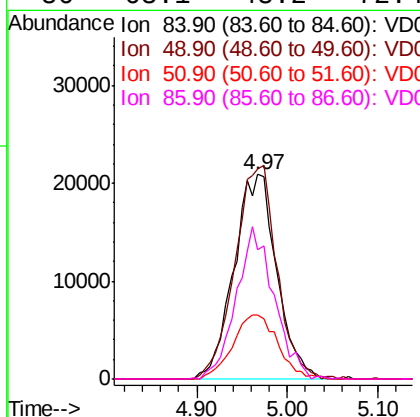
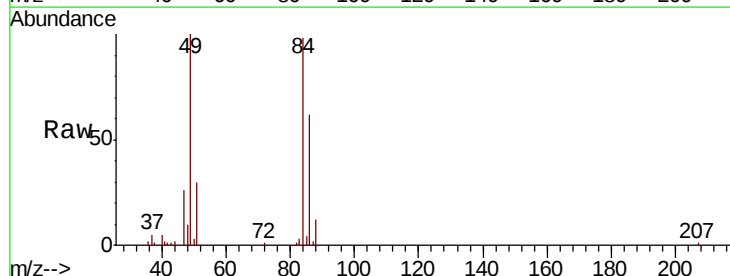
Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

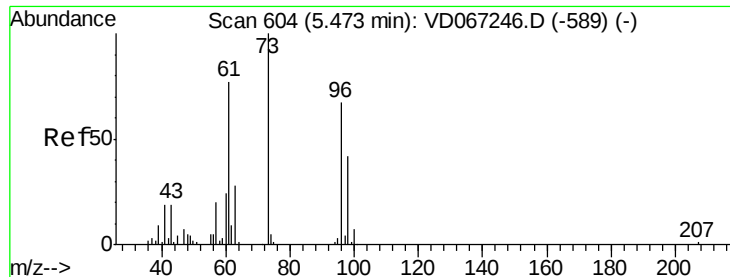
Tot Ion: 73 Resp: 104436
Ion Ratio Lower Upper
73 100
57 17.9 15.7 23.5



#20
Methylene Chloride
Concen: 21.759 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067447.D
Acq: 29 Oct 2020 13:02

Tgt Ion: 84 Resp: 68484
Ion Ratio Lower Upper
84 100
49 102.5 72.2 108.2
51 31.0 23.8 35.8
86 63.1 48.2 72.4





#21

trans-1,2-Dichloroethene

Concen: 21.544 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD067447.D

Acq: 29 Oct 2020 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

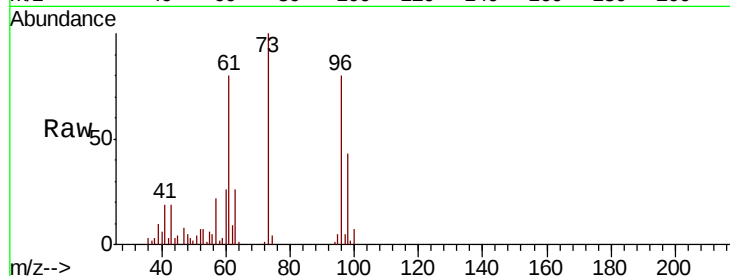
Tot Ion: 96 Resp: 64178

Ion Ratio Lower Upper

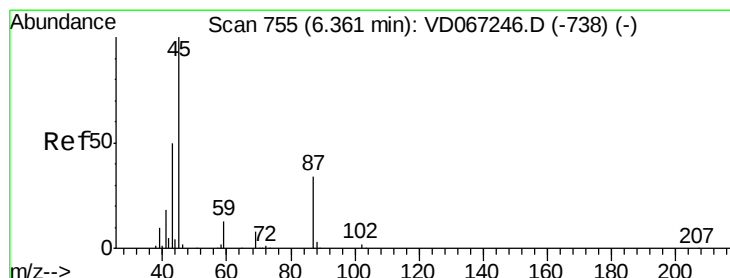
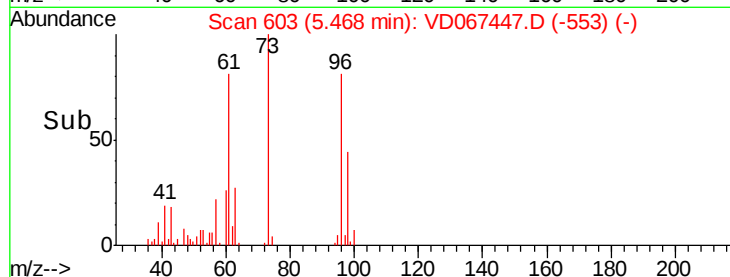
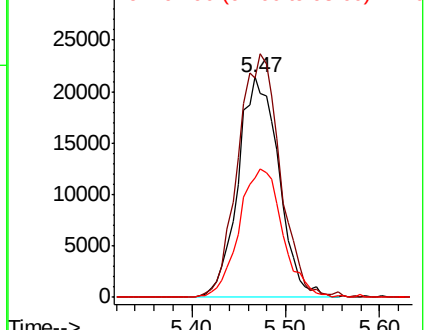
96 100

61 99.7 92.0 138.0

98 54.0 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: 21.826 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.01 min

Lab File: VD067447.D

Acq: 29 Oct 2020 13:02

Tgt Ion: 45 Resp: 118191

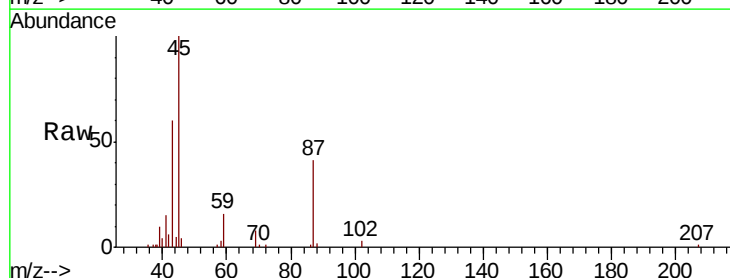
Ion Ratio Lower Upper

45 100

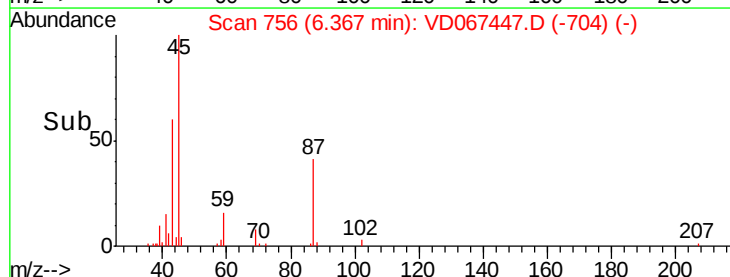
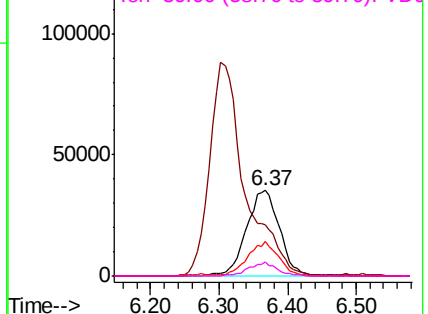
43 58.1 48.0 72.0

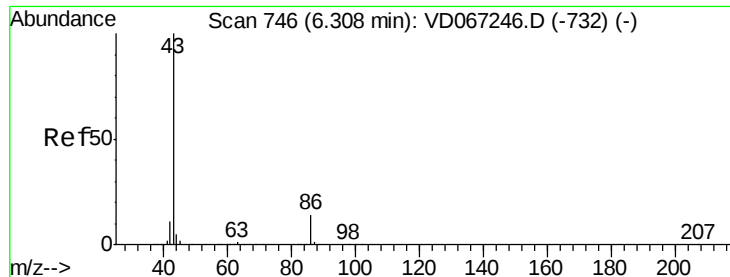
87 40.7 28.5 42.7

59 15.9 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: 103.006 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD067447.D

Acq: 29 Oct 2020 13:02

Instrument :

MSVOA_D

ClientSampleId :

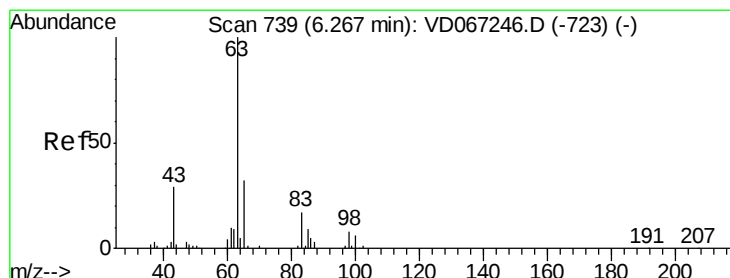
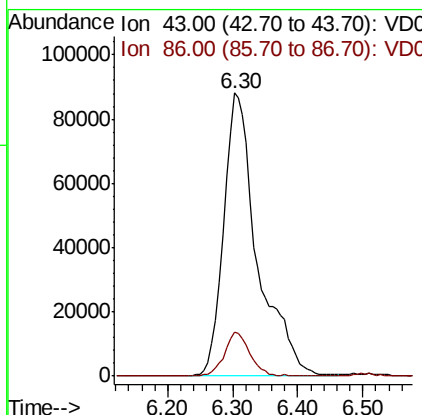
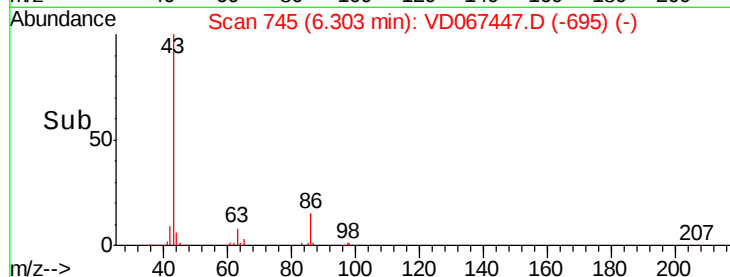
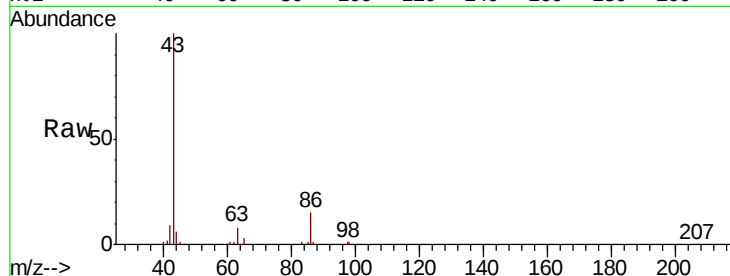
VD1029SBS01

Tot Ion: 43 Resp: 317344

Ion Ratio Lower Upper

43 100

86 15.4 11.0 16.6



#24

1,1-Dichloroethane

Concen: 21.991 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD067447.D

Acq: 29 Oct 2020 13:02

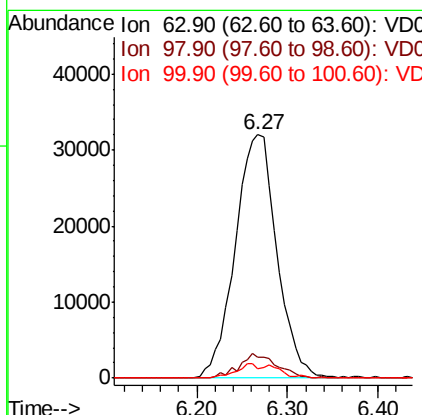
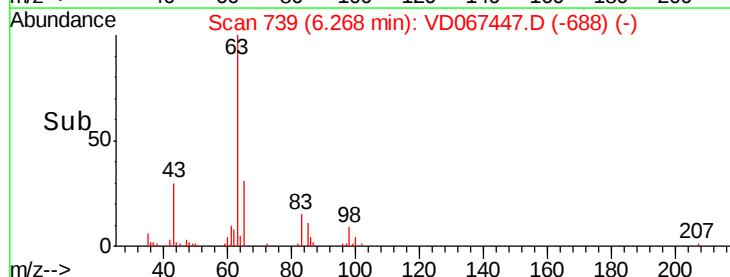
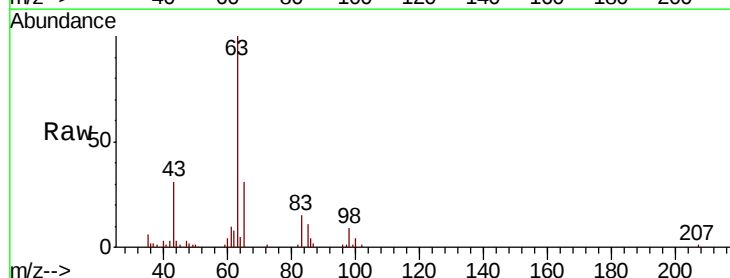
Tgt Ion: 63 Resp: 101939

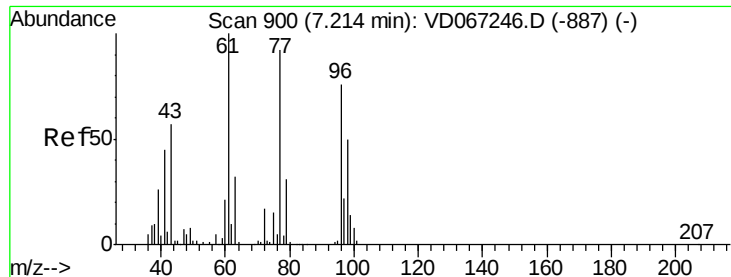
Ion Ratio Lower Upper

63 100

98 8.8 4.0 12.2

100 3.9 2.8 8.4

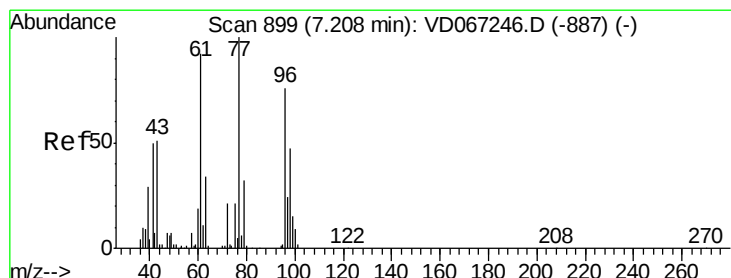
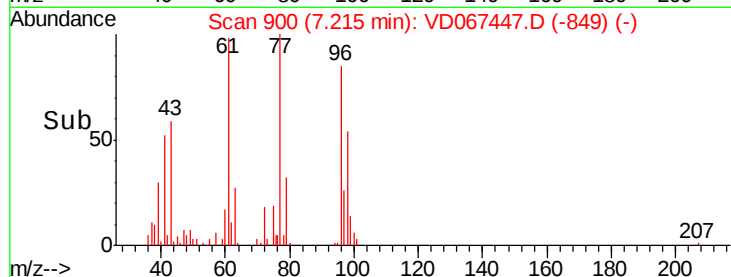
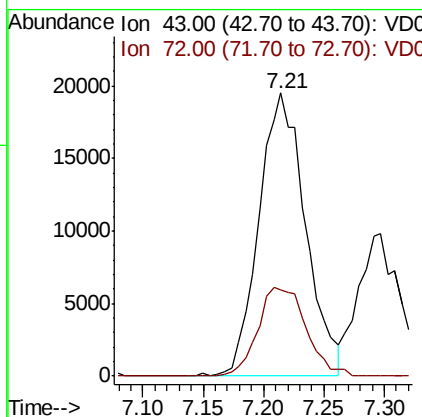
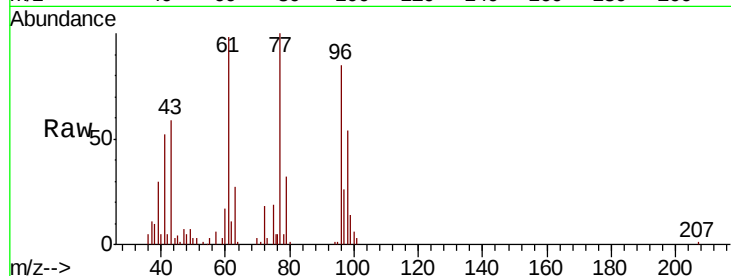




#25
2-Butanone
Concen: 104.270 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067447.D
Acq: 29 Oct 2020 13:02

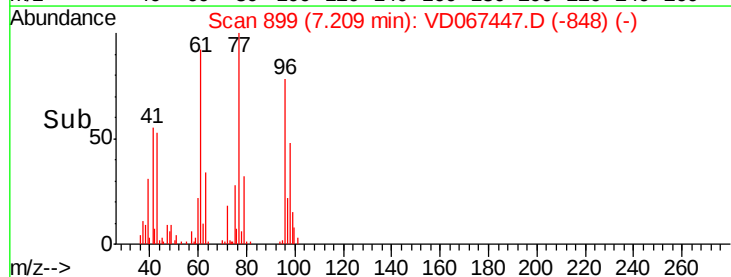
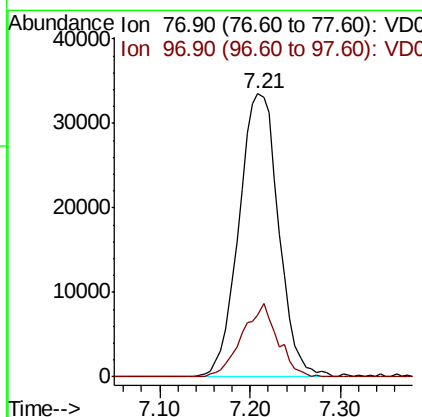
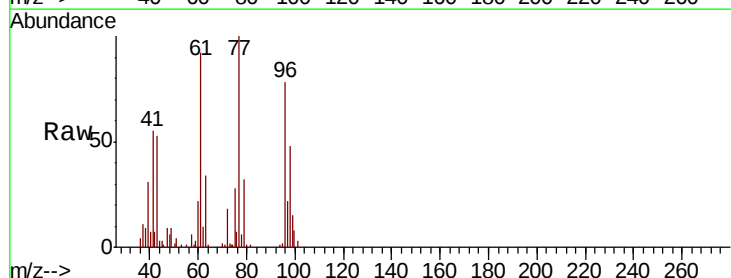
Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

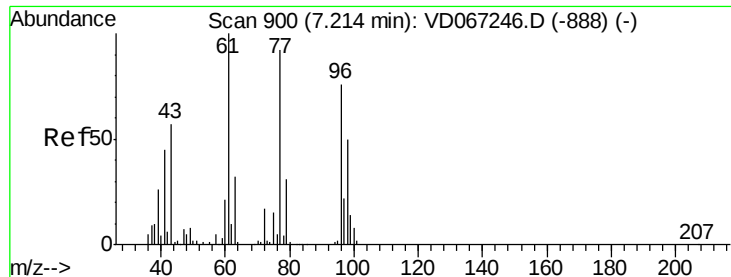
Tot Ion: 43 Resp: 52306
Ion Ratio Lower Upper
43 100
72 30.6 23.7 35.5



#26
2,2-Dichloropropane
Concen: 21.401 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD067447.D
Acq: 29 Oct 2020 13:02

Tgt Ion: 77 Resp: 102254
Ion Ratio Lower Upper
77 100
97 23.3 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 21.541 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067447.D

Acq: 29 Oct 2020 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

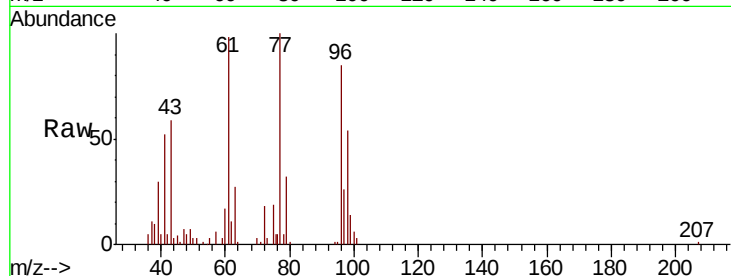
Tot Ion: 96 Resp: 70327

Ion Ratio Lower Upper

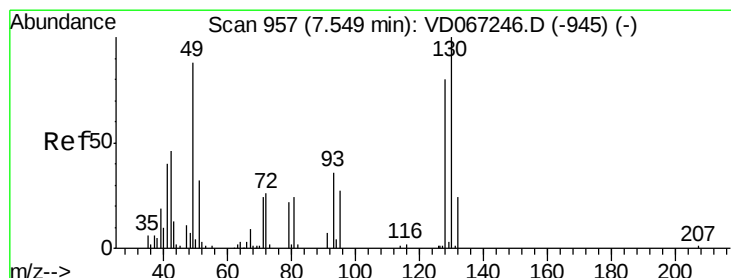
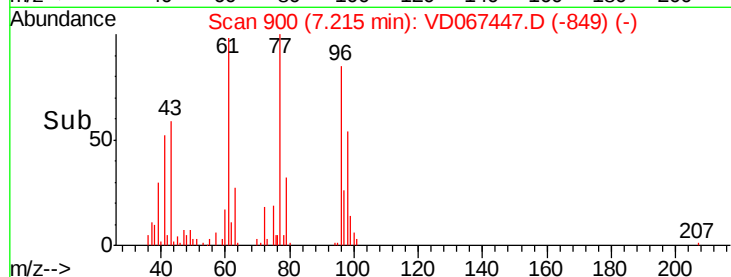
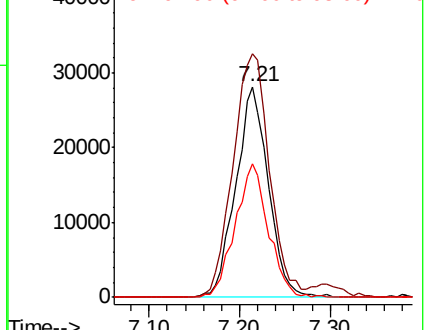
96 100

61 129.1 0.0 255.4

98 64.1 0.0 128.0



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



#28

Bromochloromethane

Concen: 19.742 ug/l

RT: 7.55 min Scan# 957

Delta R.T. 0.00 min

Lab File: VD067447.D

Acq: 29 Oct 2020 13:02

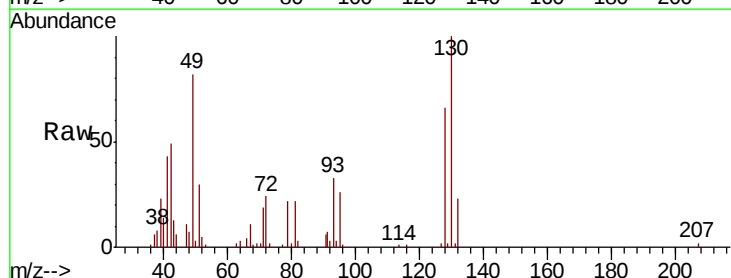
Tgt Ion: 49 Resp: 31214

Ion Ratio Lower Upper

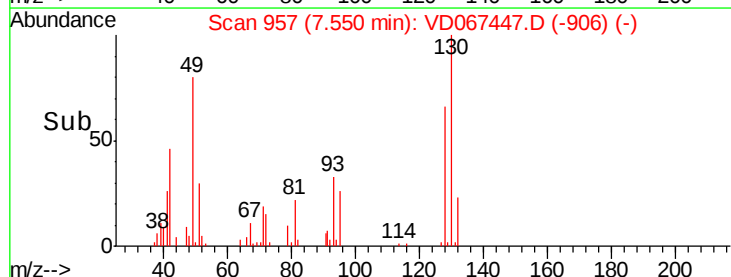
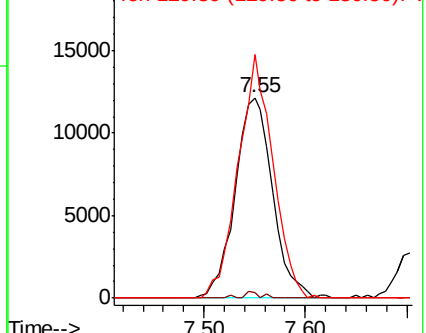
49 100

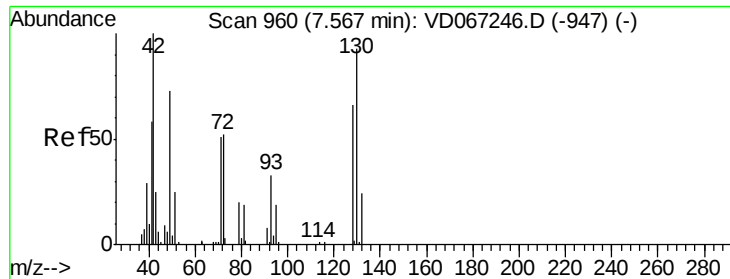
129 1.1 0.0 1.6

130 112.4 91.0 136.6



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

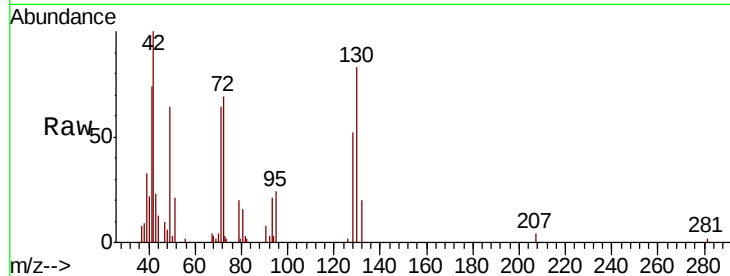




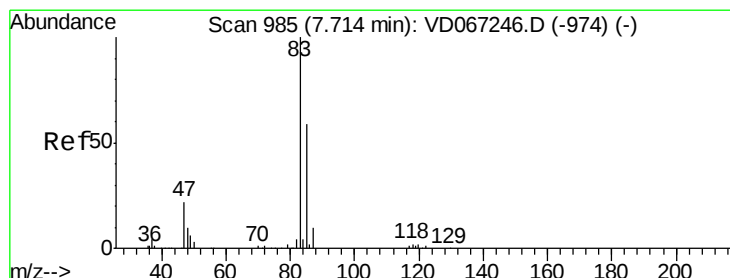
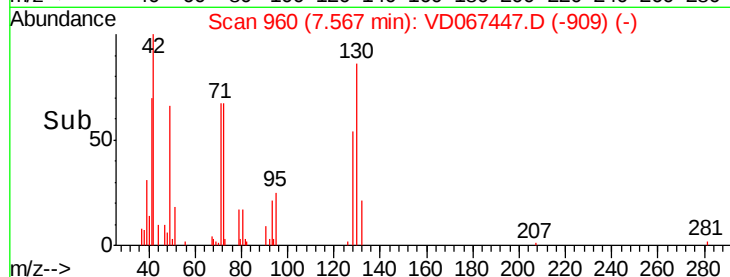
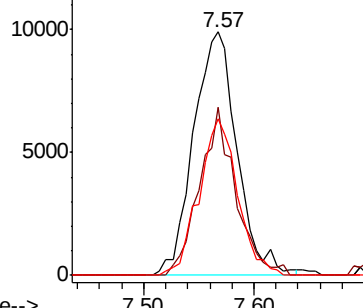
#29
Tetrahydrofuran
Concen: 98.293 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.00 min
Lab File: VD067447.D
Acq: 29 Oct 2020 13:02

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

Tot Ion: 42 Resp: 27409
Ion Ratio Lower Upper
42 100
72 57.4 43.2 64.8
71 56.9 39.4 59.0

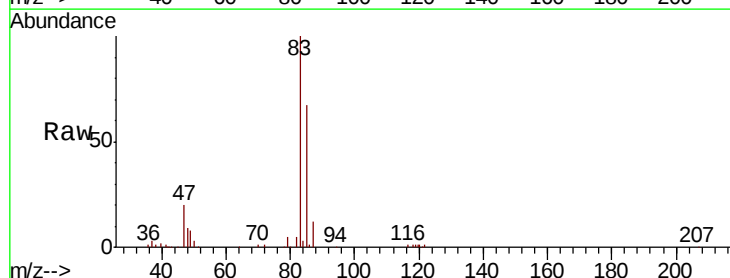


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

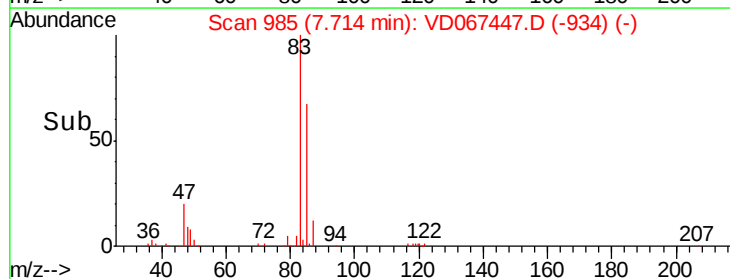
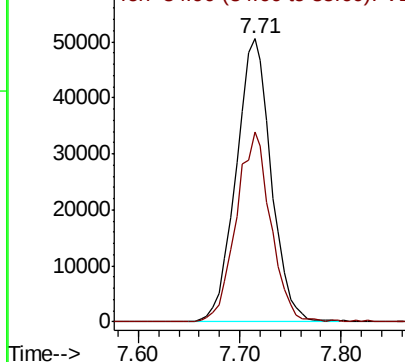


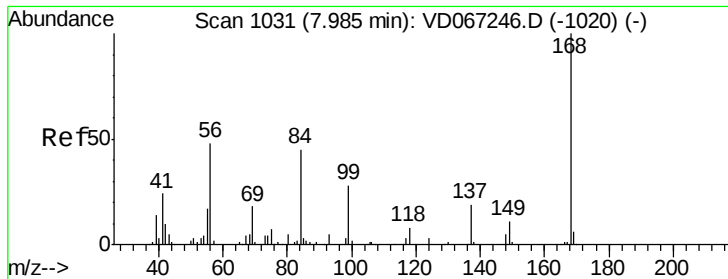
#30
Chloroform
Concen: 21.887 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD067447.D
Acq: 29 Oct 2020 13:02

Tgt Ion: 83 Resp: 121203
Ion Ratio Lower Upper
83 100
85 67.2 47.3 70.9



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

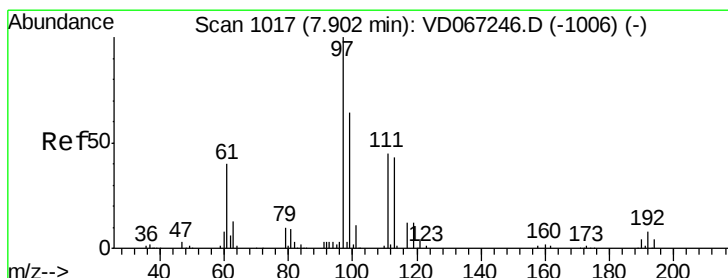
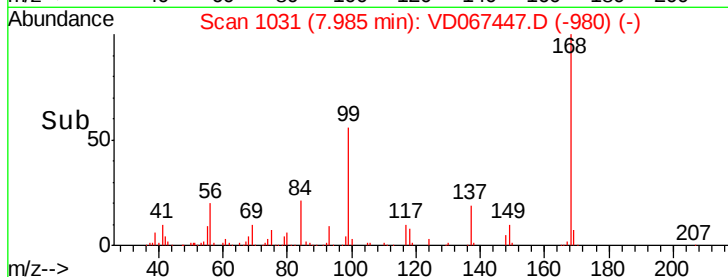
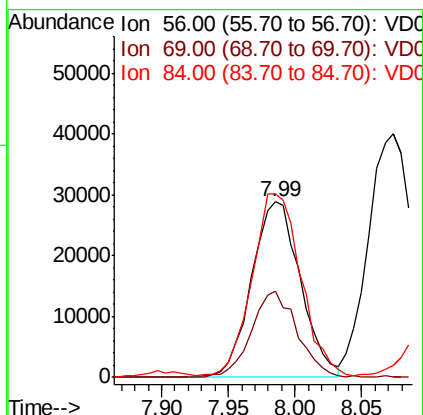
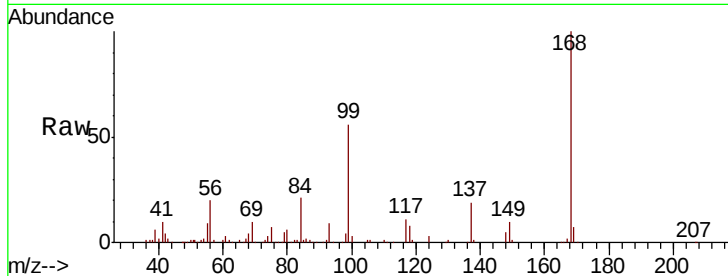




#31
Cyclohexane
Concen: 20.298 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067447.D
Acq: 29 Oct 2020 13:02

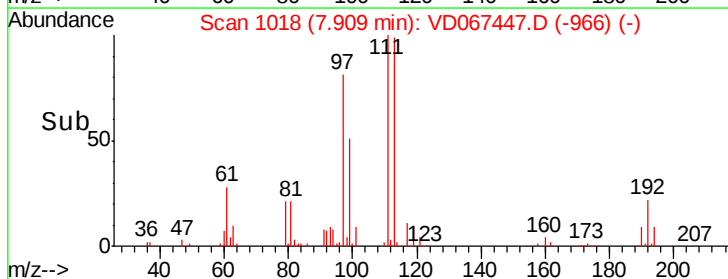
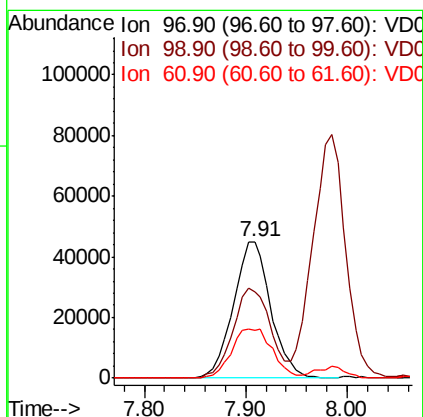
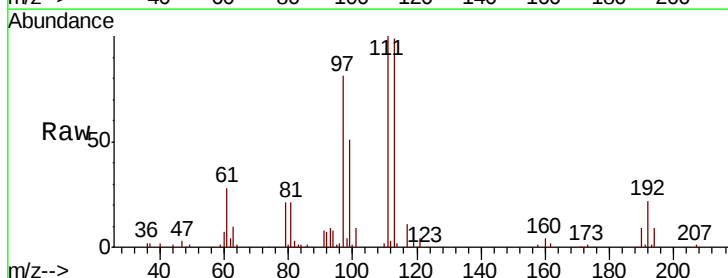
Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

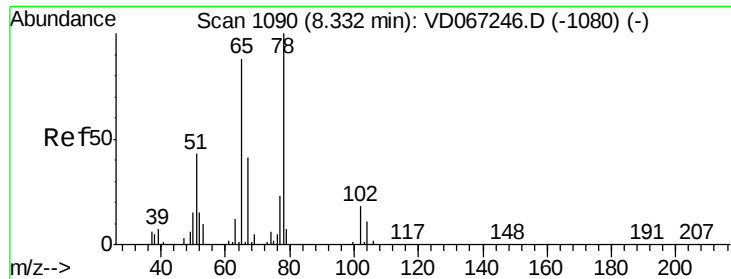
Tot Ion: 56 Resp: 73461
Ion Ratio Lower Upper
56 100
69 49.1 29.8 44.6#
84 103.2 76.6 114.8



#32
1,1,1-Trichloroethane
Concen: 21.044 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VD067447.D
Acq: 29 Oct 2020 13:02

Tgt Ion: 97 Resp: 114337
Ion Ratio Lower Upper
97 100
99 65.2 50.2 75.4
61 39.5 30.5 45.7

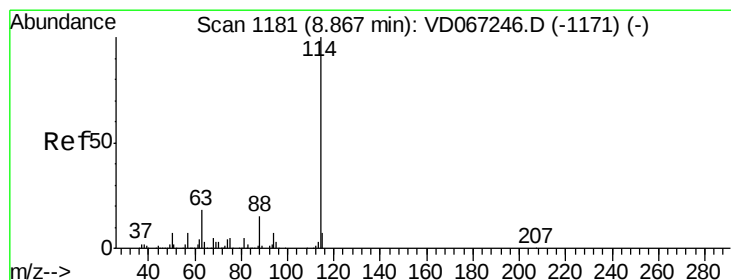
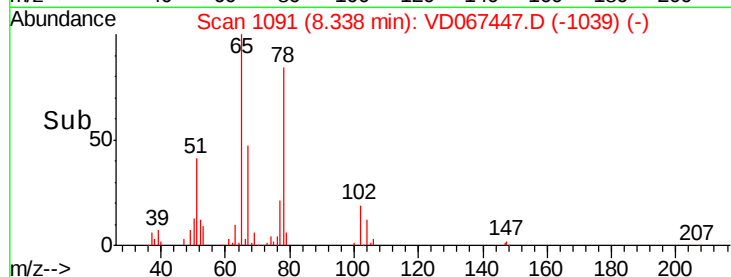
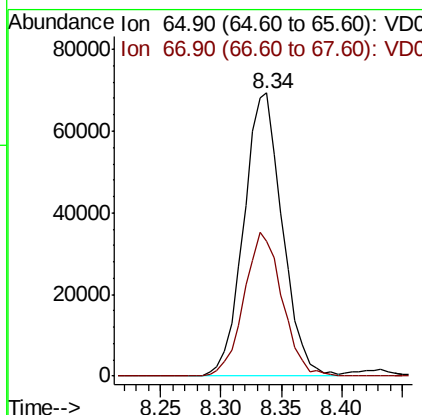
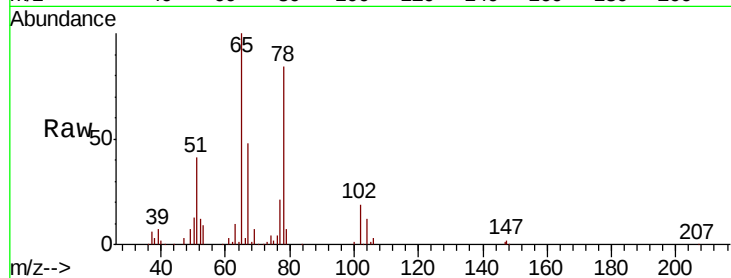




#33
 1,2-Dichloroethane-d4
 Concen: 49.168 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD067447.D
 Acq: 29 Oct 2020 13:02

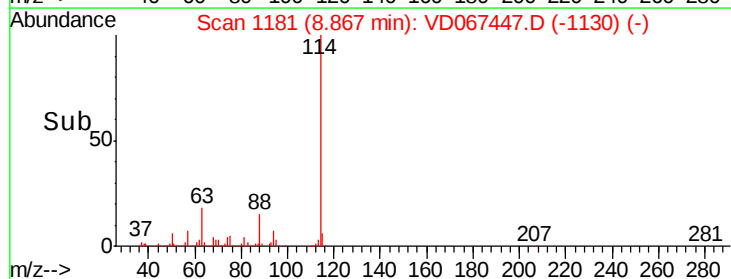
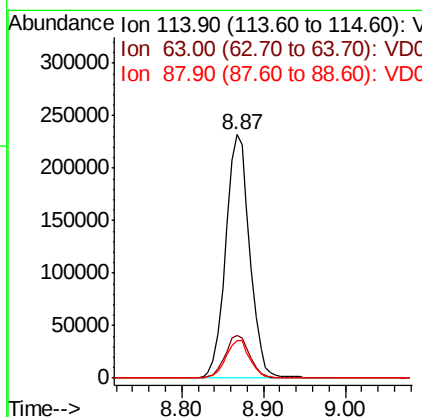
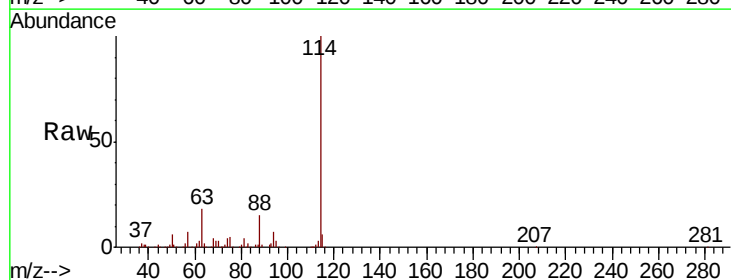
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBS01

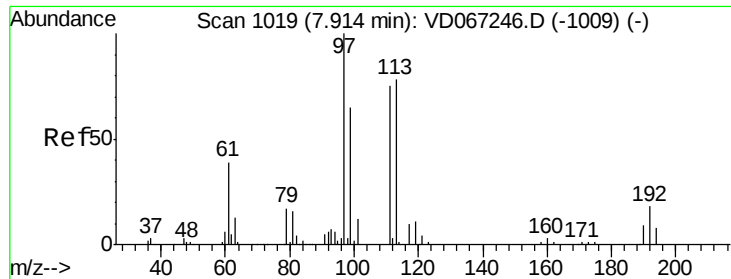
Tot Ion: 65 Resp: 154497
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067447.D
 Acq: 29 Oct 2020 13:02

Tgt Ion: 114 Resp: 472724
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 35.0
 88 15.4 0.0 30.6

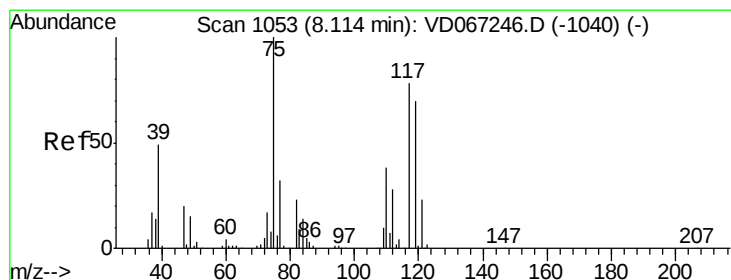
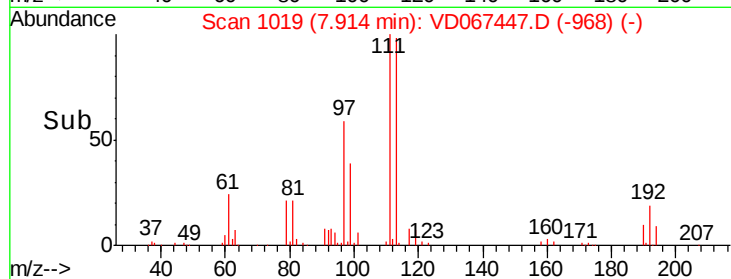
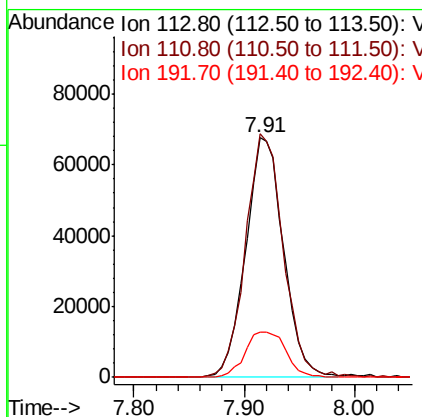
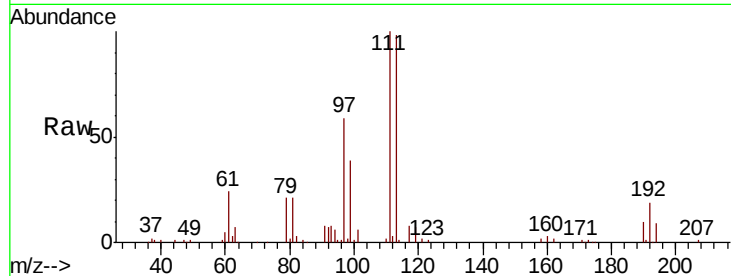




#35
 Dibromofluoromethane
 Concen: 51.557 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD067447.D
 Acq: 29 Oct 2020 13:02

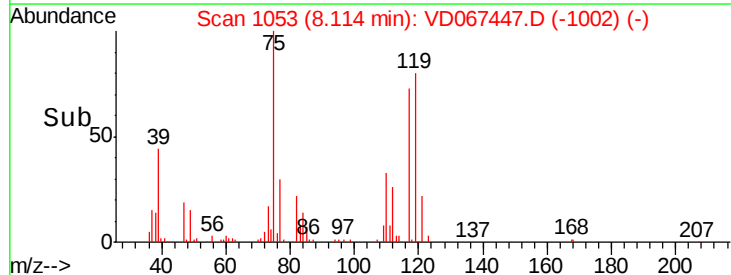
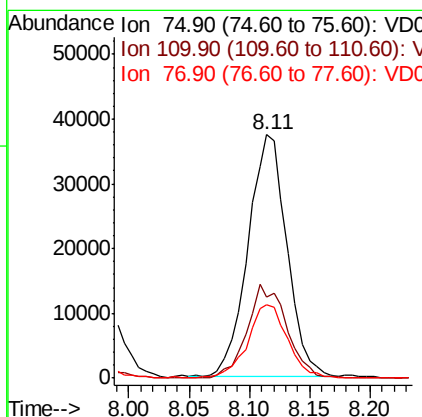
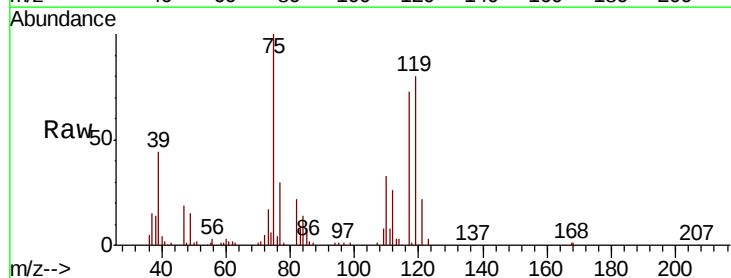
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBS01

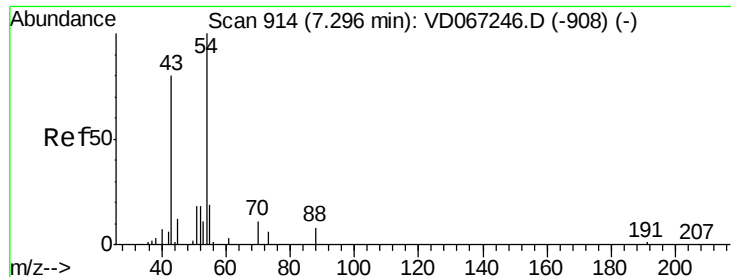
Tot Ion:113 Resp: 162198
 Ion Ratio Lower Upper
 113 100
 111 102.0 81.6 122.4
 192 20.5 17.0 25.4



#36
 1,1-Dichloropropene
 Concen: 21.084 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD067447.D
 Acq: 29 Oct 2020 13:02

Tgt Ion: 75 Resp: 84475
 Ion Ratio Lower Upper
 75 100
 110 39.0 19.6 58.7
 77 30.9 24.6 37.0

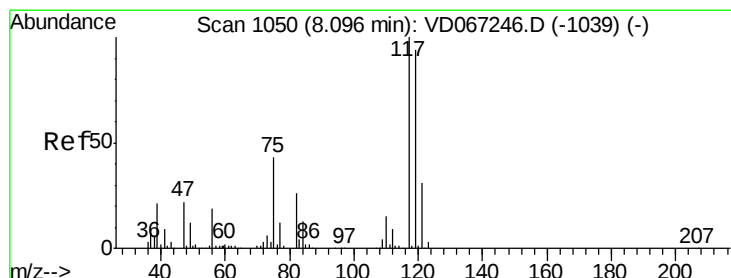
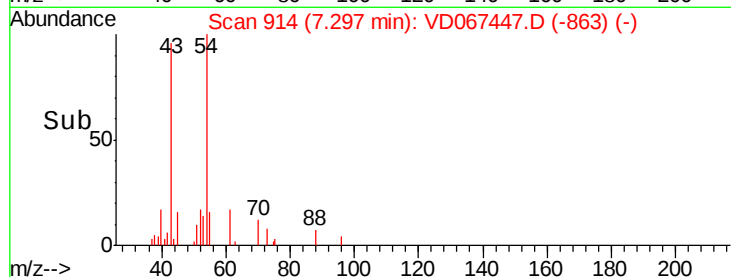
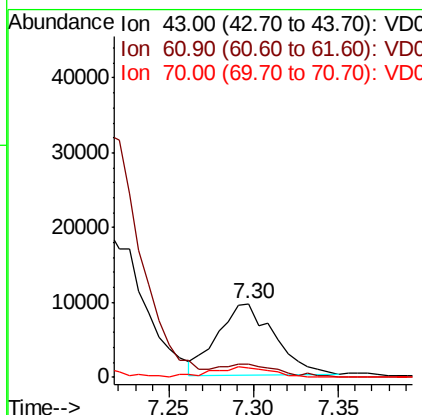
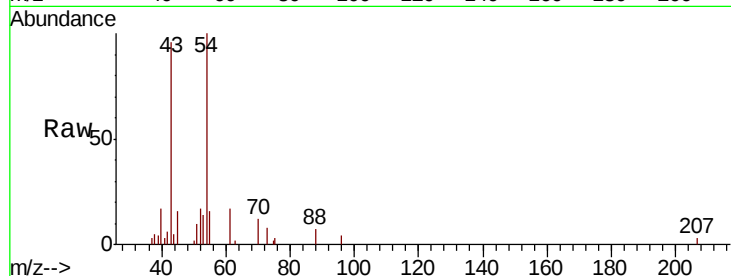




#37
Ethyl Acetate
Concen: 19.042 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD067447.D
Acq: 29 Oct 2020 13:02

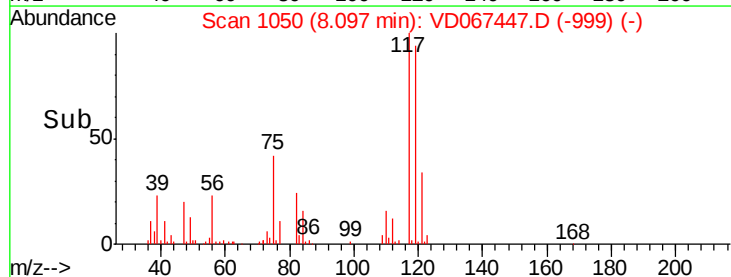
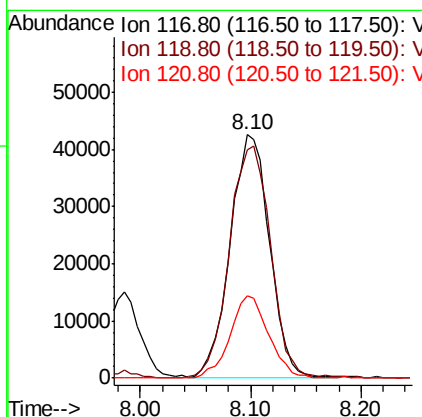
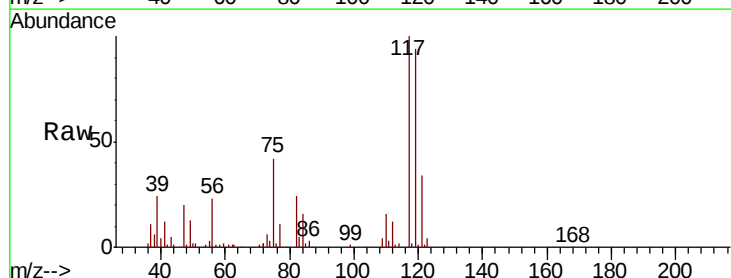
Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

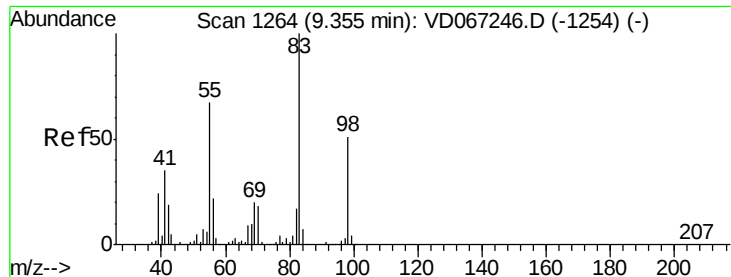
Tot Ion: 43 Resp: 22447
Ion Ratio Lower Upper
43 100
61 18.8 15.6 23.4
70 14.9 10.4 15.6



#38
Carbon Tetrachloride
Concen: 20.854 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD067447.D
Acq: 29 Oct 2020 13:02

Tgt Ion: 117 Resp: 106789
Ion Ratio Lower Upper
117 100
119 93.5 75.0 112.4
121 34.1 24.9 37.3

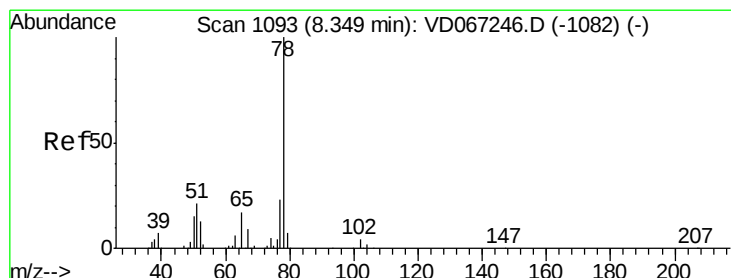
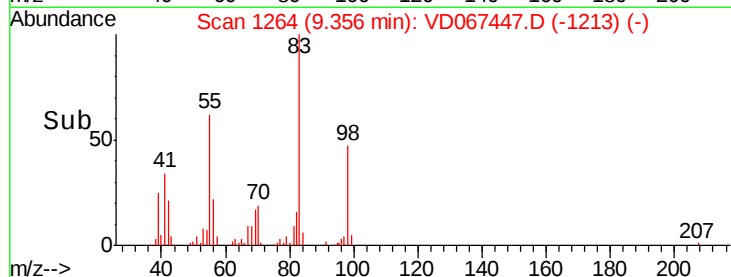
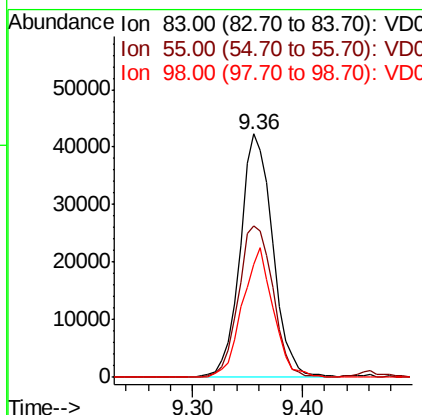
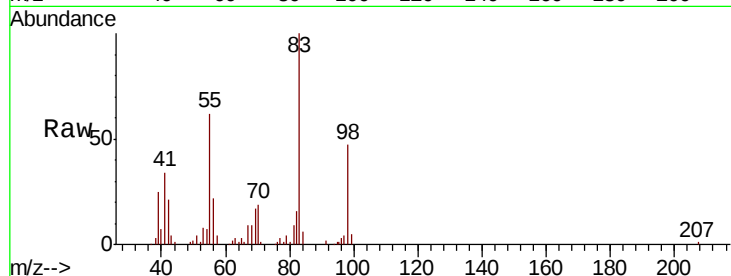




#39
Methvlcvclohexane
Concen: 20.949 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067447.D
Acq: 29 Oct 2020 13:02

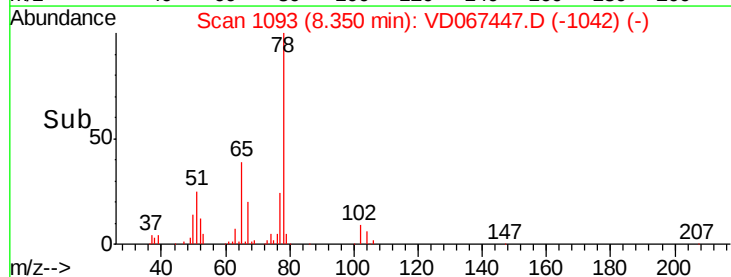
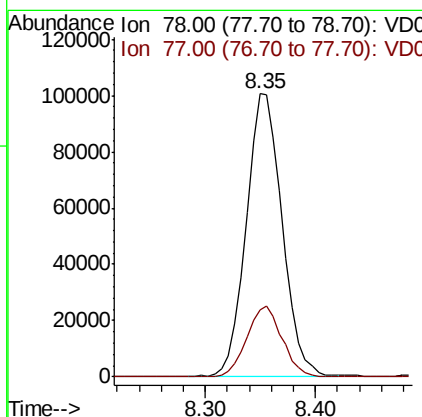
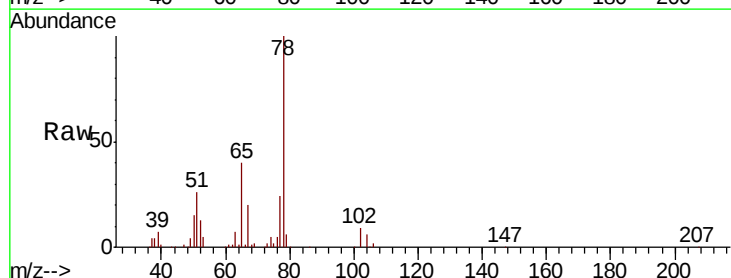
Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

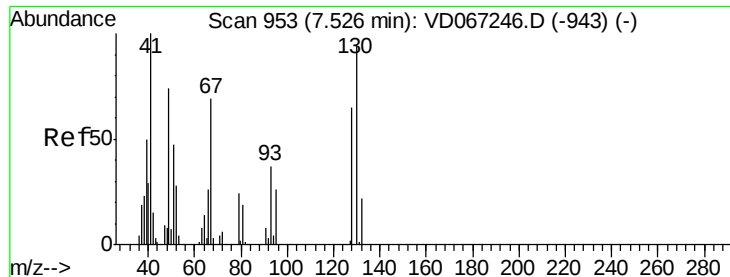
Tot Ion: 83 Resp: 87749
Ion Ratio Lower Upper
83 100
55 62.4 53.3 79.9
98 46.6 41.0 61.4



#40
Benzene
Concen: 20.990 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD067447.D
Acq: 29 Oct 2020 13:02

Tgt Ion: 78 Resp: 230716
Ion Ratio Lower Upper
78 100
77 23.6 18.3 27.5

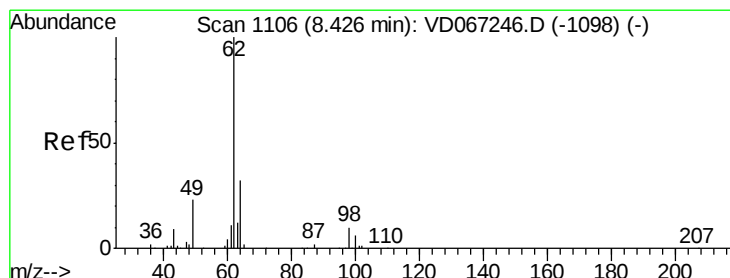
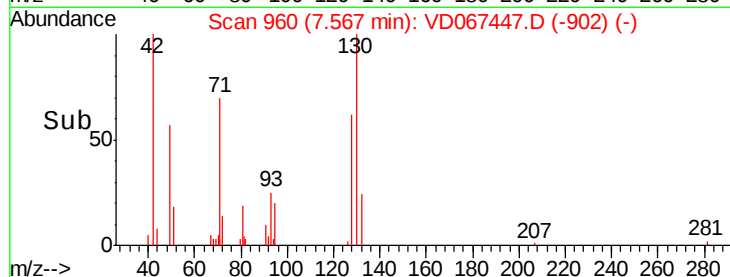
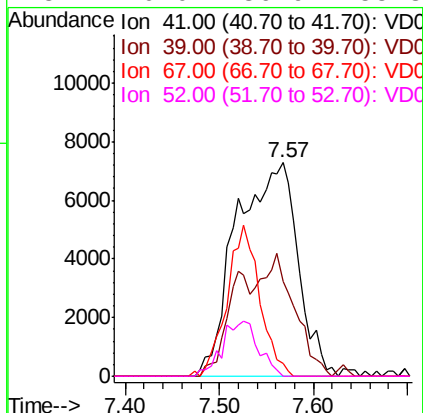
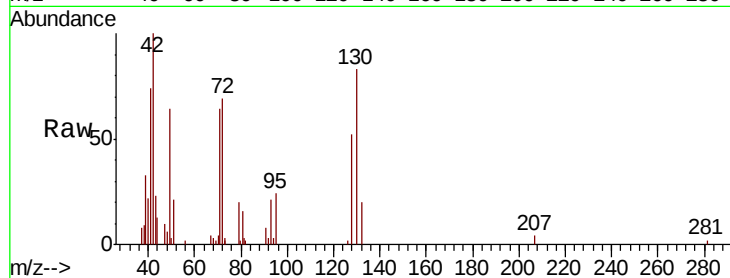




#41
Methacrylonitrile
Concen: 51.669 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.04 min
Lab File: VD067447.D
Acq: 29 Oct 2020 13:02

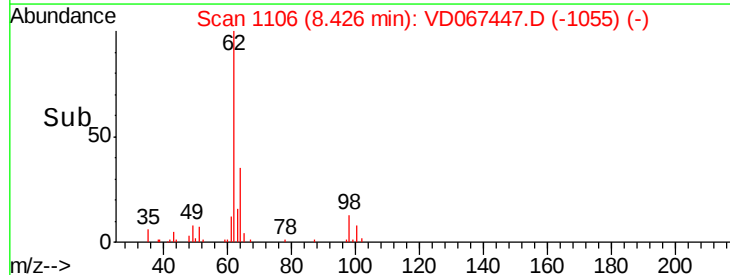
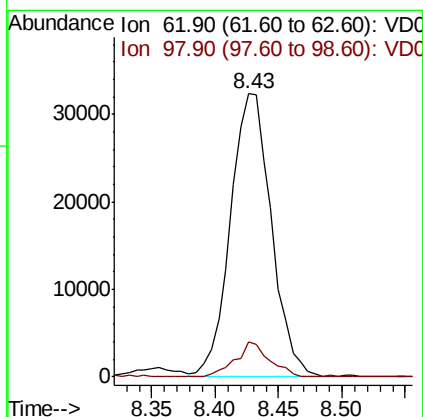
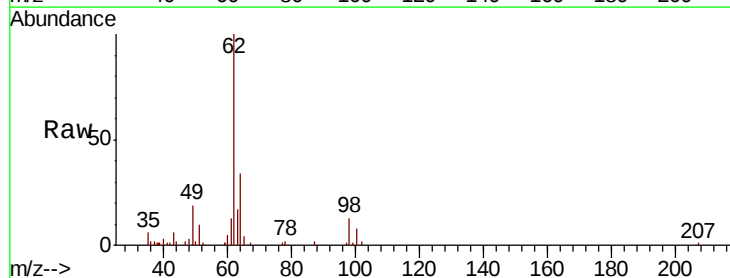
Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

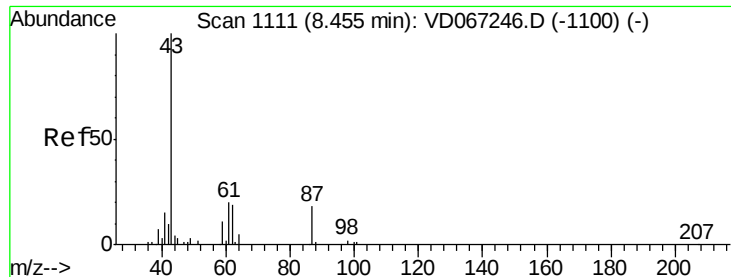
Tot Ion: 41 Resp: 32914
Ion Ratio Lower Upper
41 100
39 0.0 60.0 90.0#
67 0.0 88.9 133.3#
52 0.0 36.9 55.3#



#42
1,2-Dichloroethane
Concen: 21.042 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD067447.D
Acq: 29 Oct 2020 13:02

Tgt Ion: 62 Resp: 72383
Ion Ratio Lower Upper
62 100
98 10.2 0.0 19.4





#43

Isopropyl Acetate

Concen: 20.497 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD067447.D

Acq: 29 Oct 2020 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

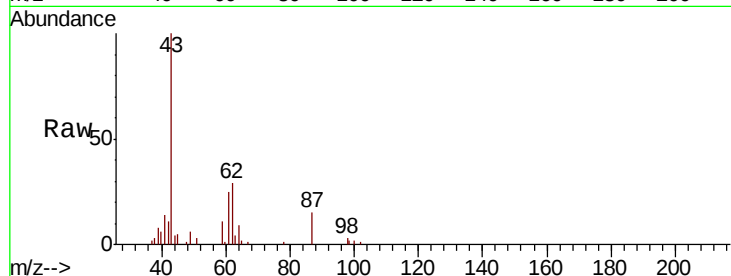
Tot Ion: 43 Resp: 47944

Ion Ratio Lower Upper

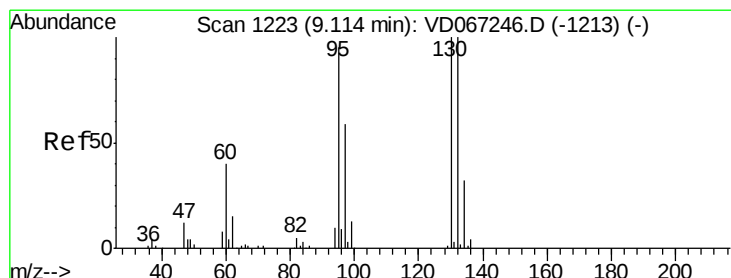
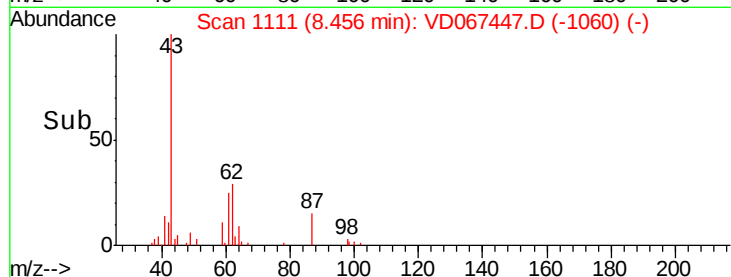
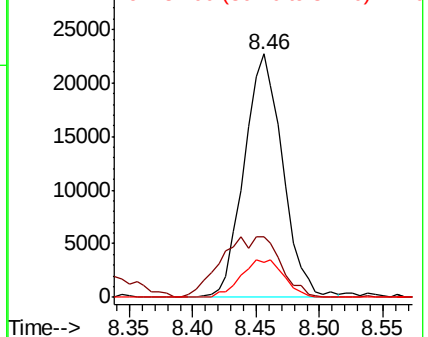
43 100

61 38.4 29.5 44.3

87 17.2 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: 21.662 ug/l

RT: 9.12 min Scan# 1224

Delta R.T. 0.01 min

Lab File: VD067447.D

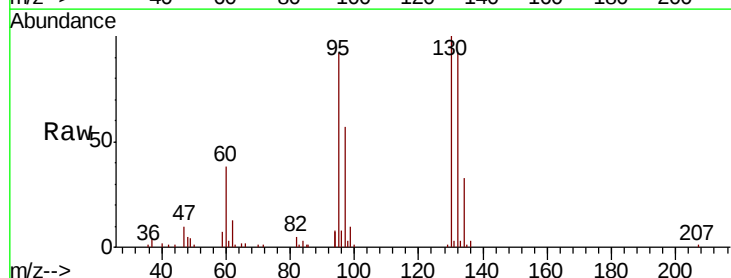
Acq: 29 Oct 2020 13:02

Tgt Ion: 130 Resp: 76235

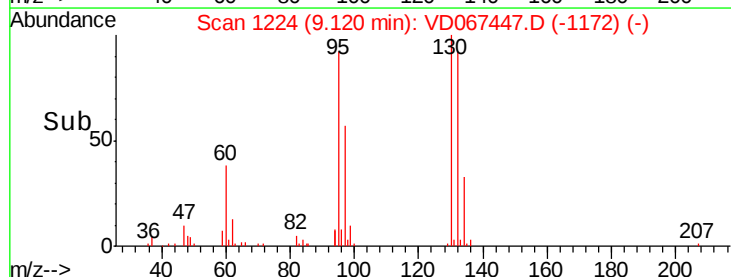
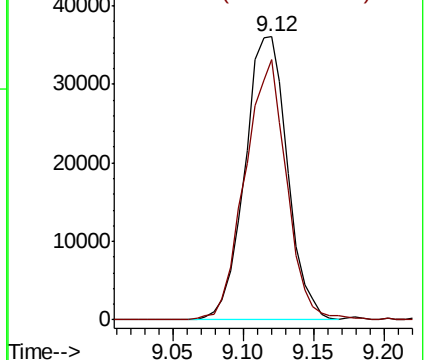
Ion Ratio Lower Upper

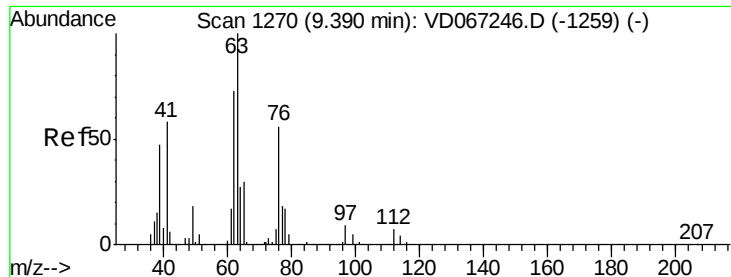
130 100

95 92.1 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: 21.385 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VD067447.D

Acq: 29 Oct 2020 13:02

Instrument :

MSVOA_D

ClientSampleId :

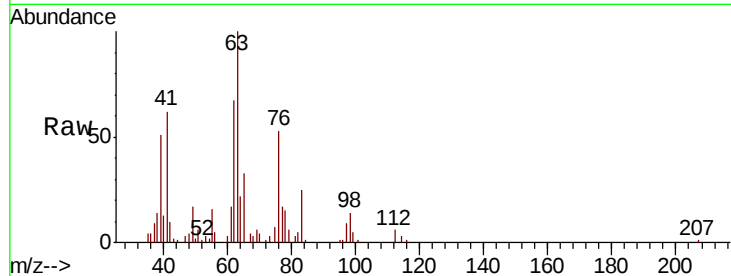
VD1029SBS01

Tot Ion: 63 Resp: 54477

Ion Ratio Lower Upper

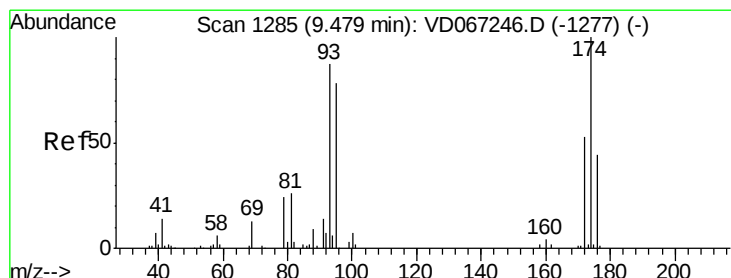
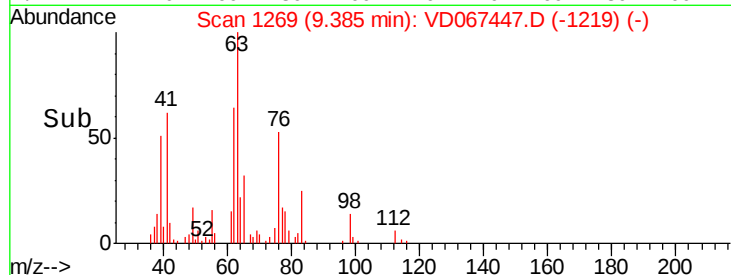
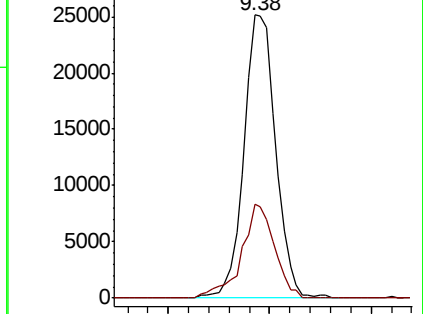
63 100

65 33.4 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 20.335 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD067447.D

Acq: 29 Oct 2020 13:02

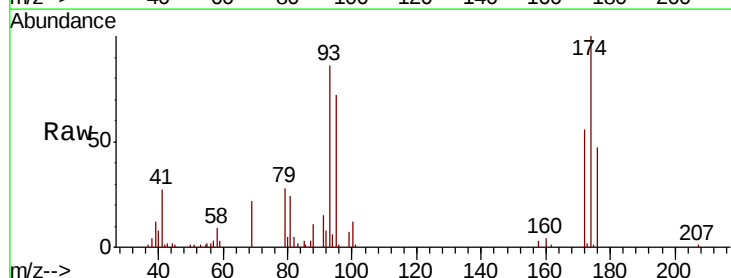
Tgt Ion: 93 Resp: 32275

Ion Ratio Lower Upper

93 100

95 87.3 68.0 102.0

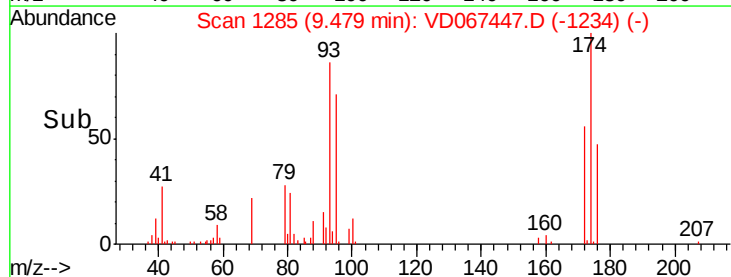
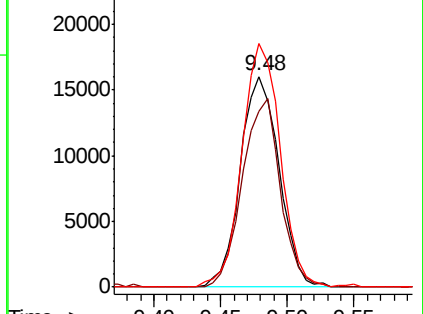
174 113.7 91.8 137.6

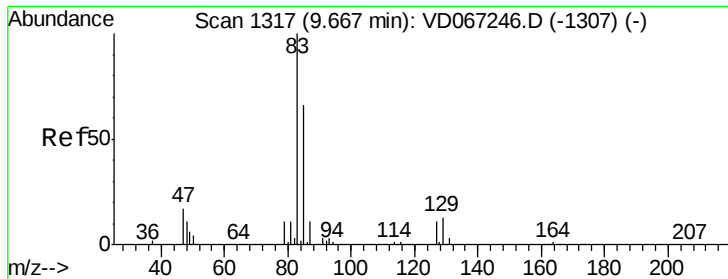


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 21.067 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD067447.D

Acq: 29 Oct 2020 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

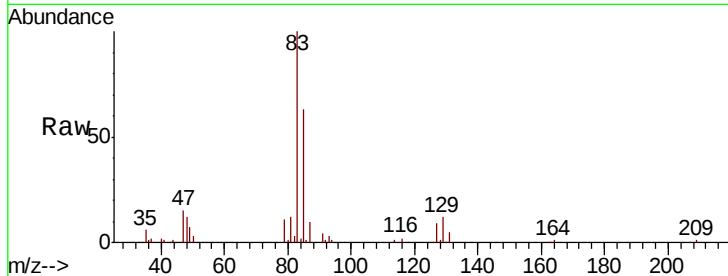
Tot Ion: 83 Resp: 89585

Ion Ratio Lower Upper

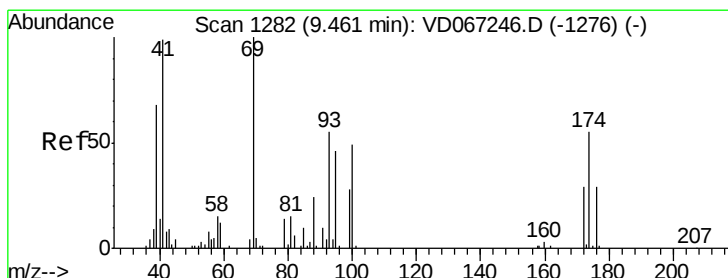
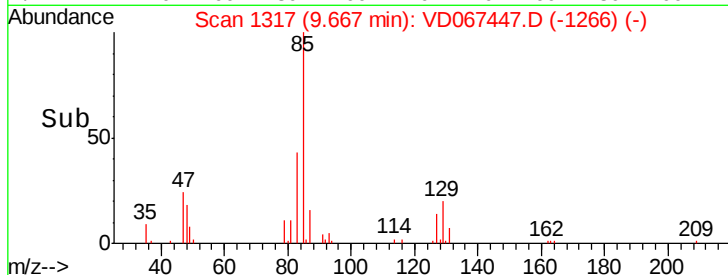
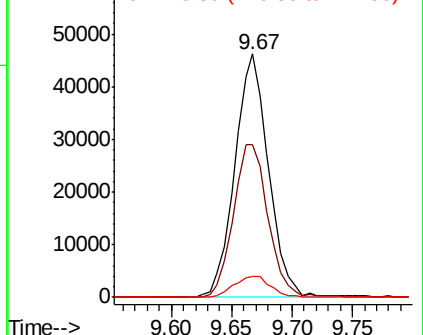
83 100

85 62.5 53.1 79.7

127 8.8 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: 19.890 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD067447.D

Acq: 29 Oct 2020 13:02

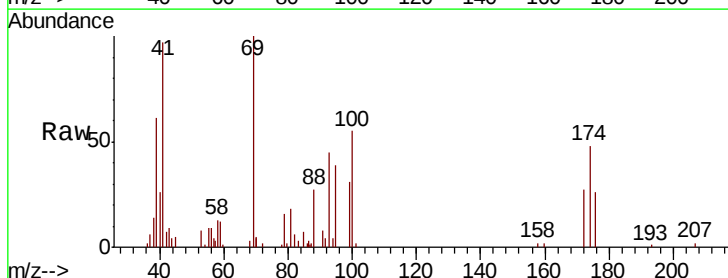
Tgt Ion: 41 Resp: 22610

Ion Ratio Lower Upper

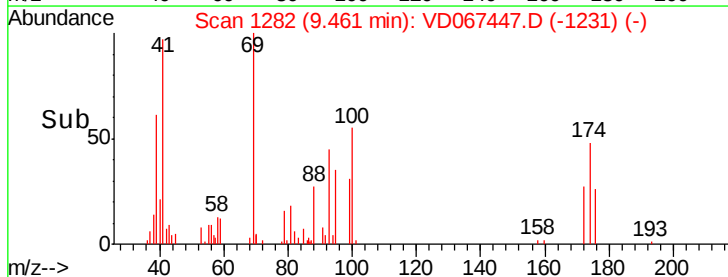
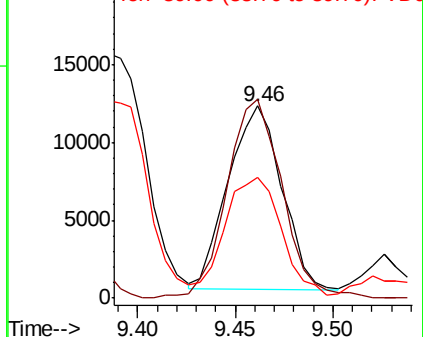
41 100

69 111.1 89.0 133.6

39 70.3 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

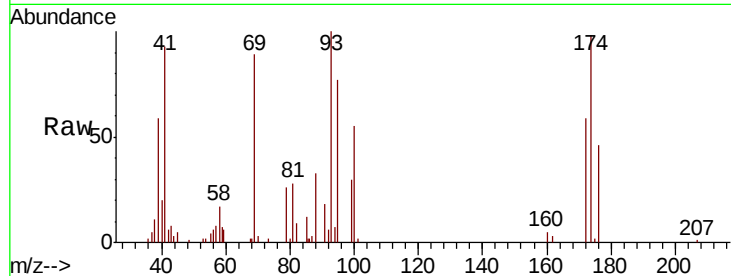




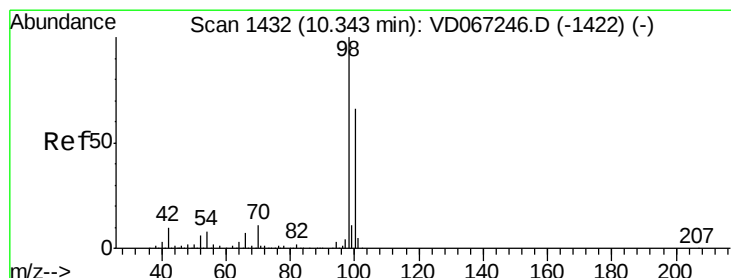
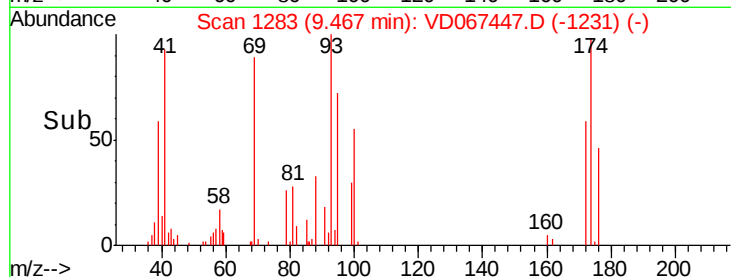
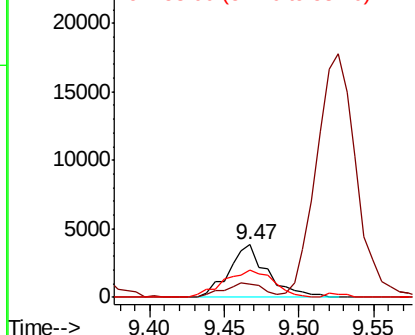
#49
1,4-Dioxane
Concen: 433.925 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD067447.D
Acq: 29 Oct 2020 13:02

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

Tot Ion: 88 Resp: 6929
Ion Ratio Lower Upper
88 100
43 28.6 23.9 35.9
58 66.4 51.0 76.6

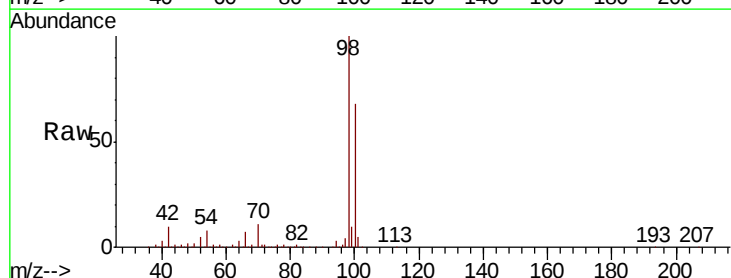


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

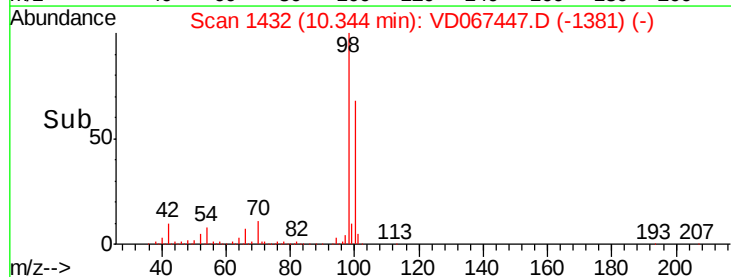
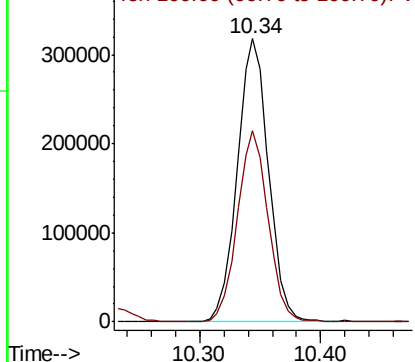


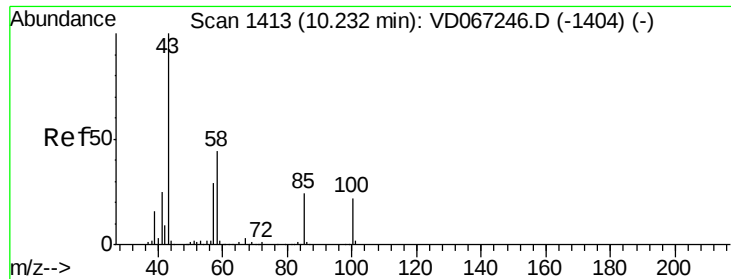
#50
Toluene-d8
Concen: 50.286 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067447.D
Acq: 29 Oct 2020 13:02

Tgt Ion: 98 Resp: 572512
Ion Ratio Lower Upper
98 100
100 67.0 53.1 79.7



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





#51

4-Methyl-2-Pentanone

Concen: 103.200 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067447.D

Acq: 29 Oct 2020 13:02

Instrument :

MSVOA_D

ClientSampleId :

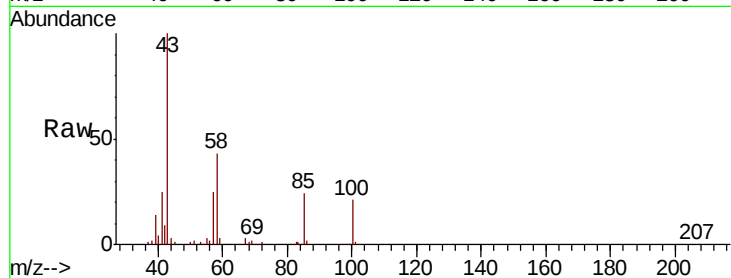
VD1029SBS01

Tot Ion: 43 Resp: 120401

Ion Ratio Lower Upper

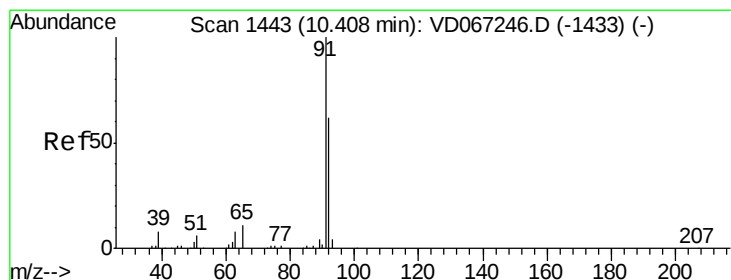
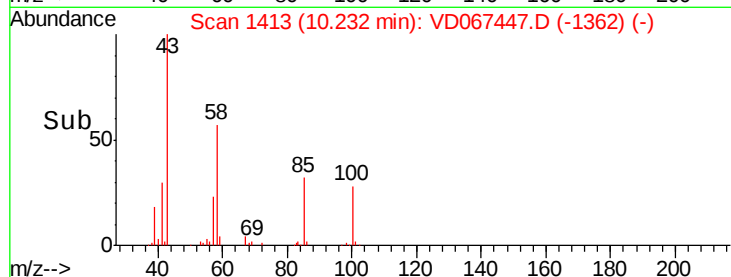
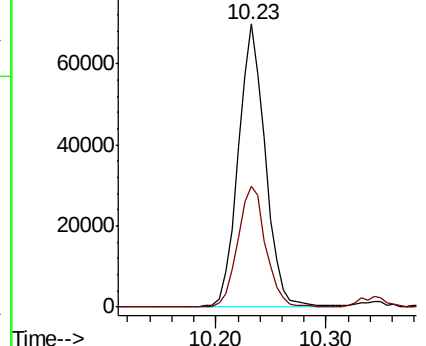
43 100

58 44.0 35.7 53.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 21.698 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067447.D

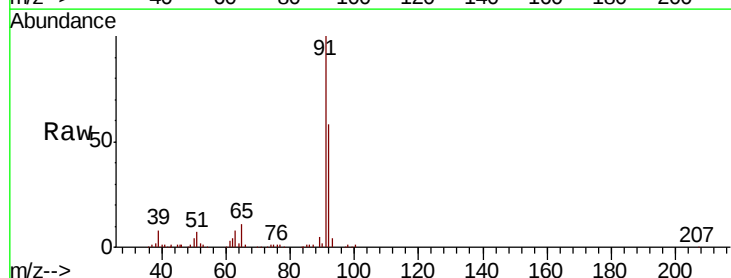
Acq: 29 Oct 2020 13:02

Tgt Ion: 92 Resp: 162444

Ion Ratio Lower Upper

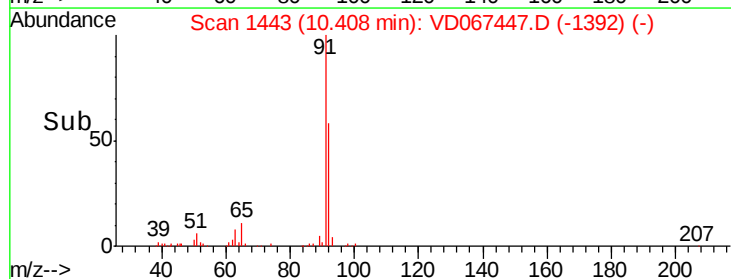
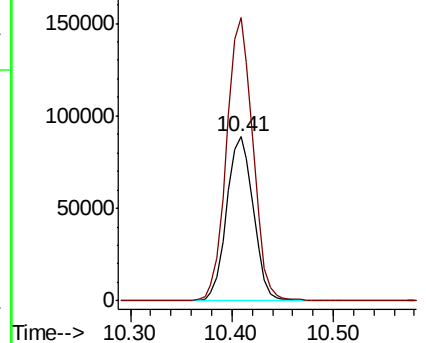
92 100

91 170.1 133.8 200.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

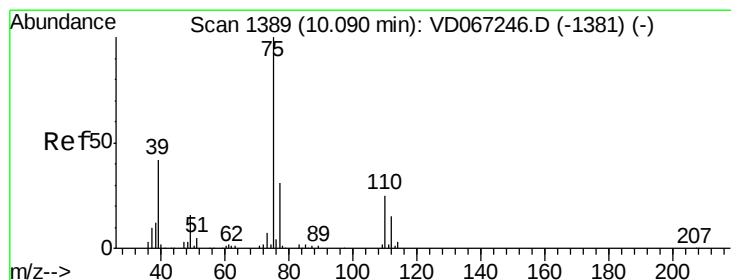
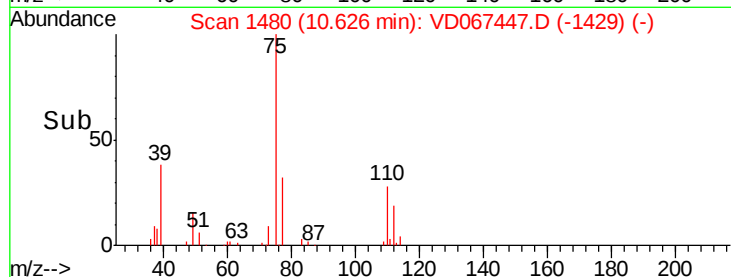
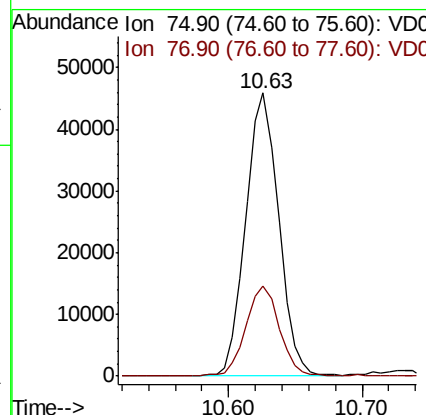
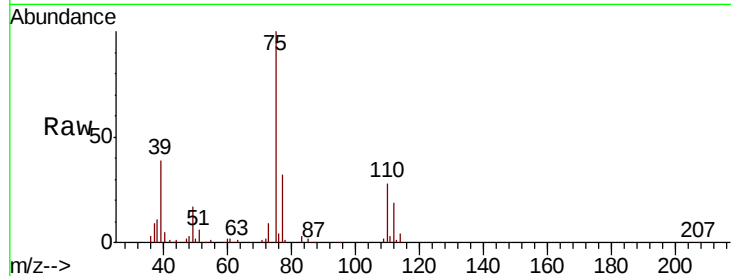




#53
 t-1,3-Dichloropropene
 Concen: 20.982 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: VD067447.D
 Acq: 29 Oct 2020 13:02

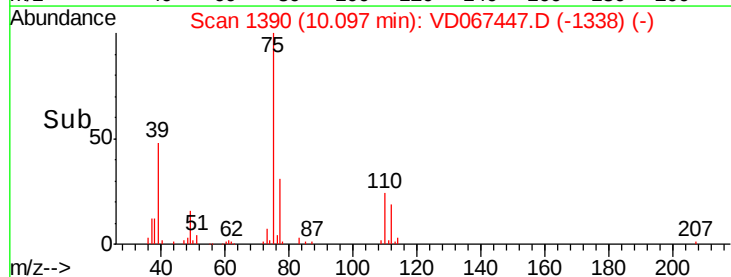
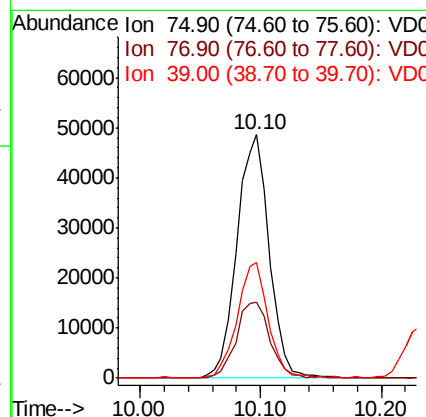
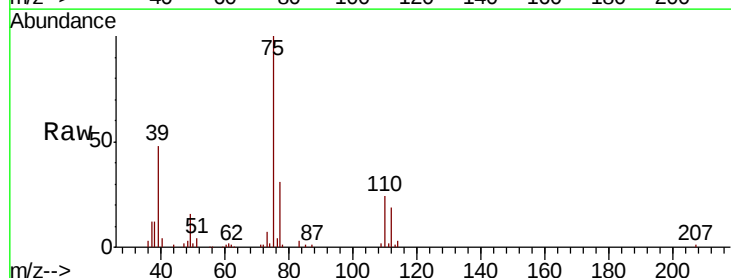
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBS01

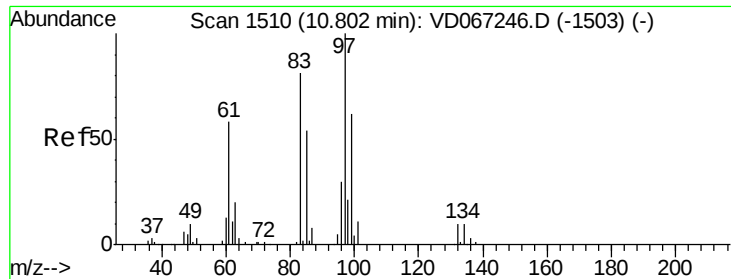
Tot Ion: 75 Resp: 78381
 Ion Ratio Lower Upper
 75 100
 77 31.8 26.5 39.7



#54
 cis-1,3-Dichloropropene
 Concen: 20.668 ug/l
 RT: 10.10 min Scan# 1390
 Delta R.T. 0.01 min
 Lab File: VD067447.D
 Acq: 29 Oct 2020 13:02

Tgt Ion: 75 Resp: 90357
 Ion Ratio Lower Upper
 75 100
 77 31.4 24.5 36.7
 39 47.6 33.7 50.5

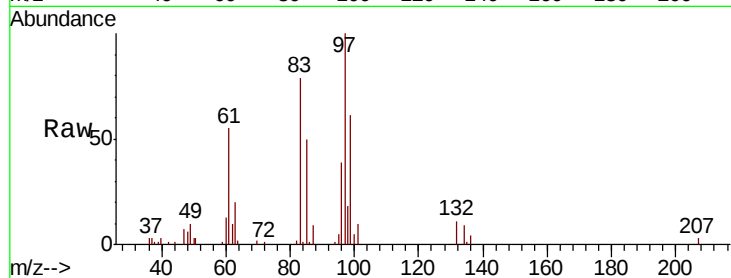




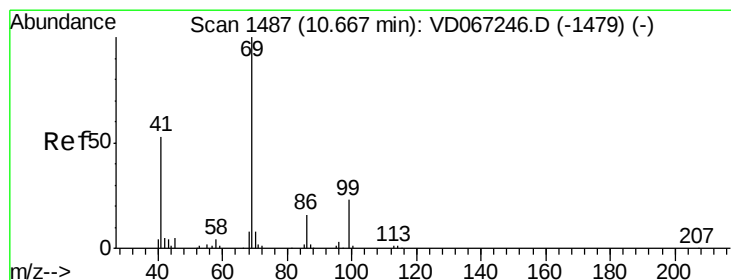
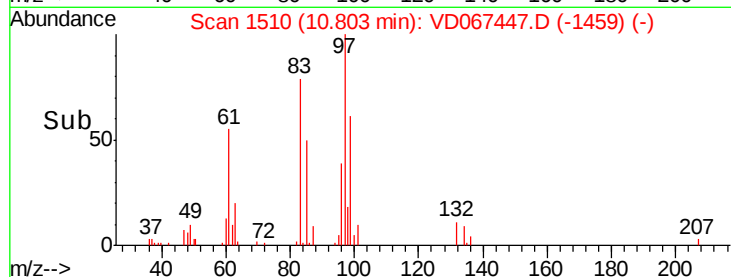
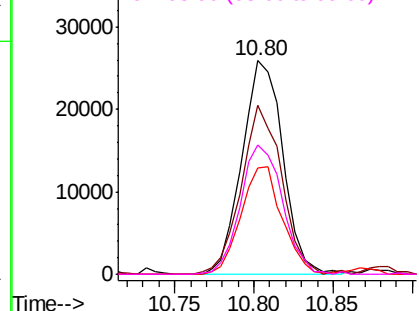
#55
 1,1,2-Trichloroethane
 Concen: 21.500 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD067447.D
 Acq: 29 Oct 2020 13:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBS01

Tot Ion:	97	Resp:	46533
Ion	Ratio	Lower	Upper
97	100		
83	78.9	64.9	97.3
85	49.6	43.3	64.9
99	60.8	49.1	73.7

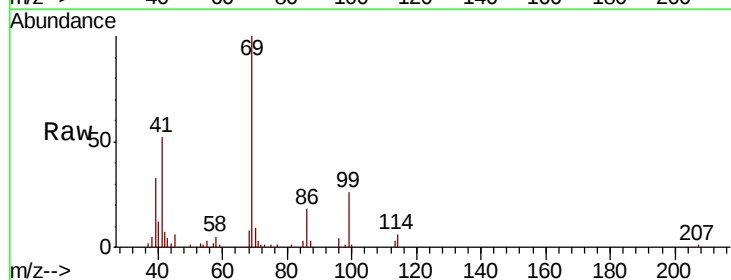


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

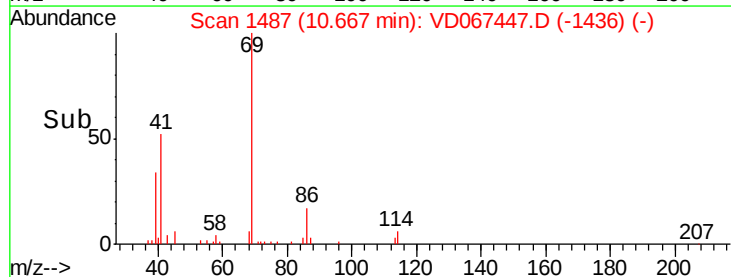
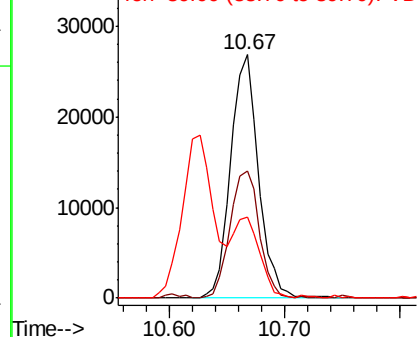


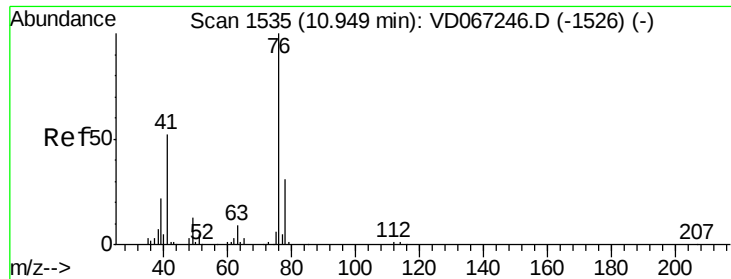
#56
 Ethyl methacrylate
 Concen: 20.063 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD067447.D
 Acq: 29 Oct 2020 13:02

Tgt Ion:	69	Resp:	45035
Ion	Ratio	Lower	Upper
69	100		
41	55.3	44.7	67.1
39	31.6	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

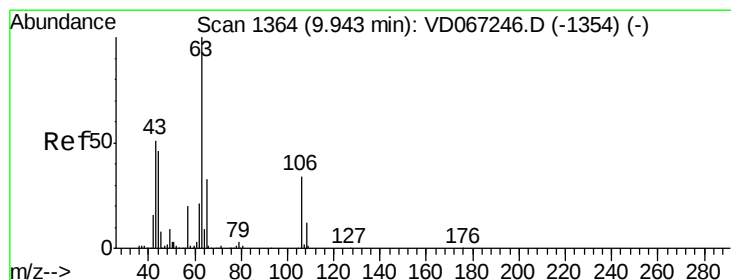
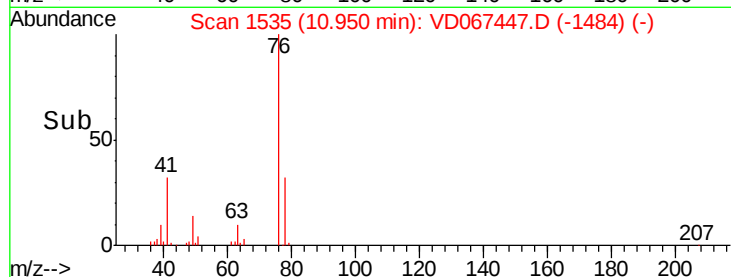
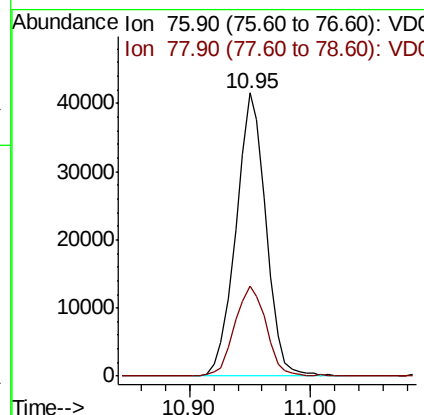
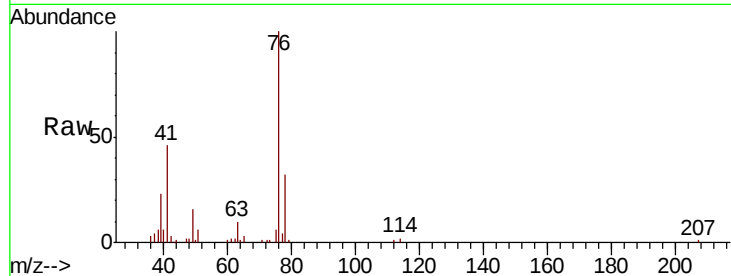




#57
 1,3-Dichloropropane
 Concen: 20.839 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD067447.D
 Acq: 29 Oct 2020 13:02

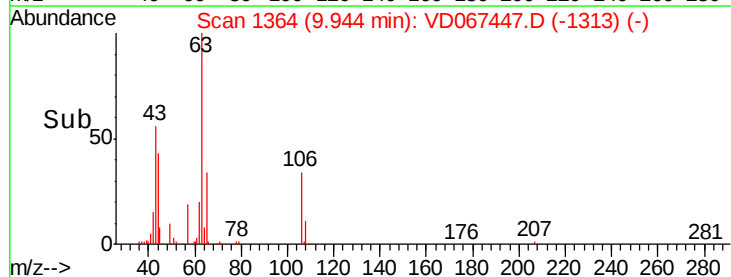
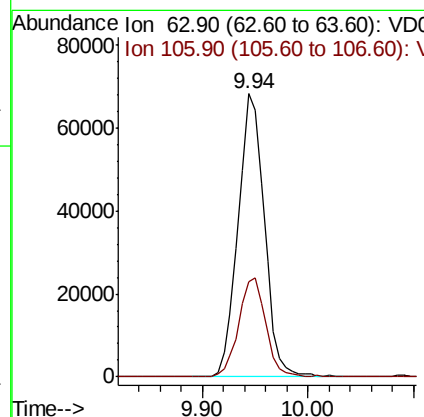
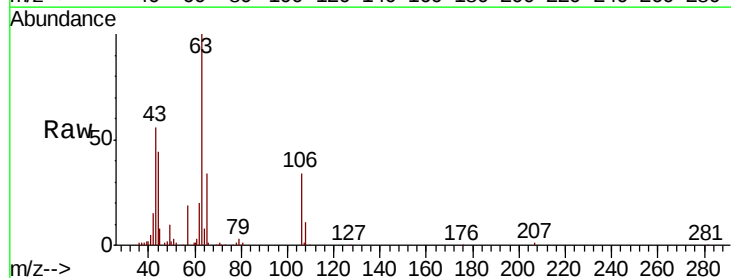
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBS01

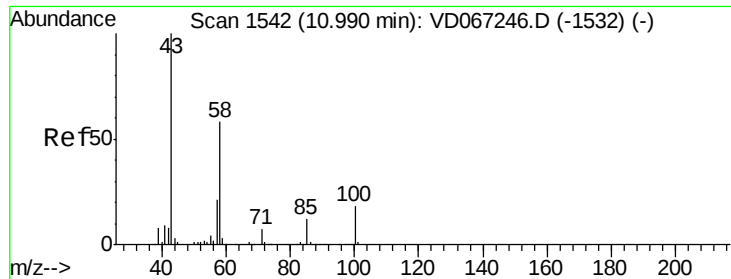
Tot Ion: 76 Resp: 71776
 Ion Ratio Lower Upper
 76 100
 78 33.3 26.8 40.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.867 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD067447.D
 Acq: 29 Oct 2020 13:02

Tgt Ion: 63 Resp: 117301
 Ion Ratio Lower Upper
 63 100
 106 35.8 27.8 41.6

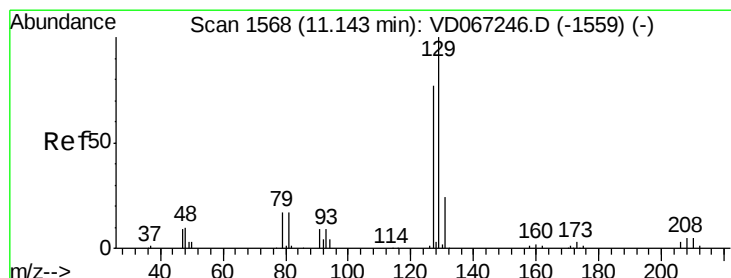
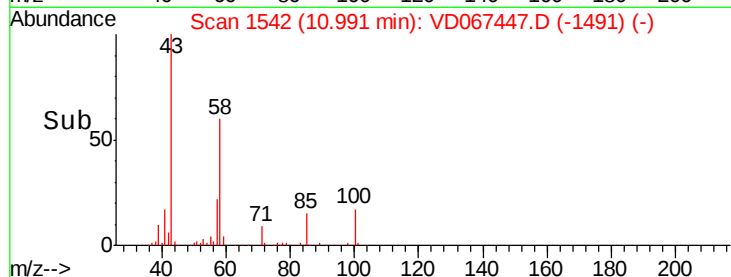
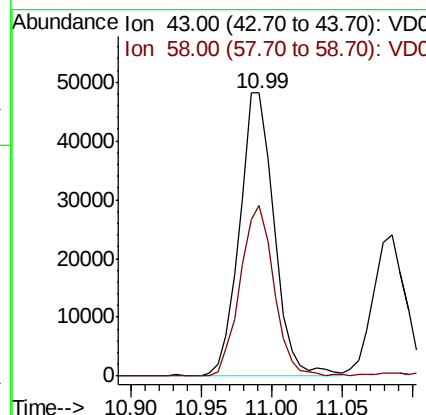
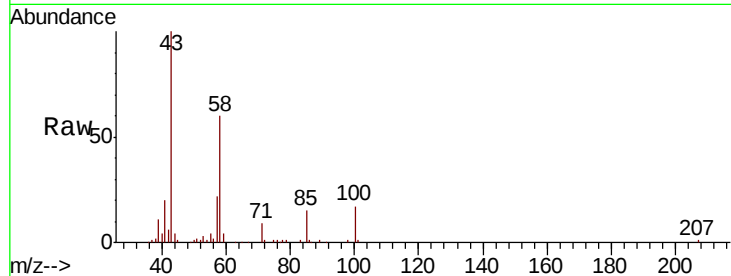




#59
2-Hexanone
Concen: 103.788 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067447.D
Acq: 29 Oct 2020 13:02

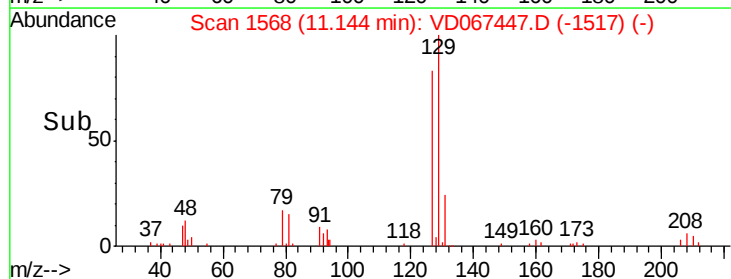
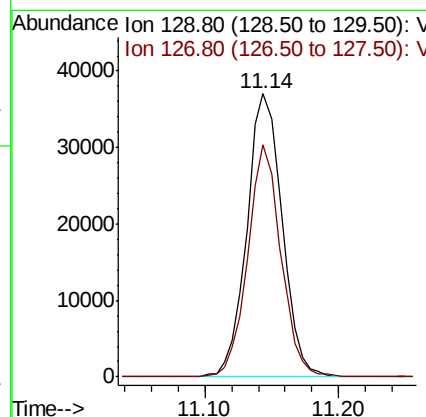
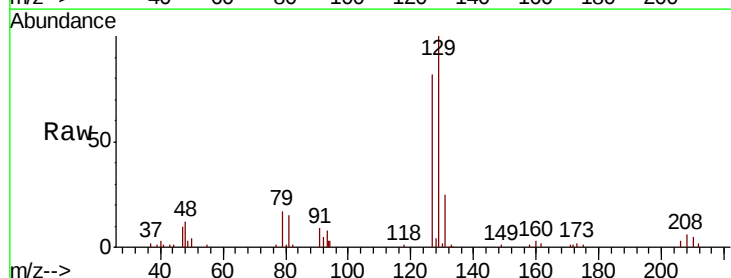
Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

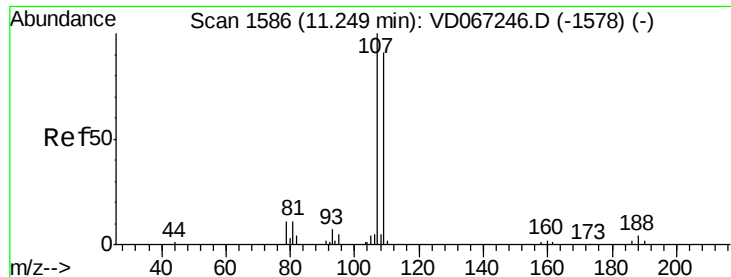
Tot Ion: 43 Resp: 82742
Ion Ratio Lower Upper
43 100
58 58.8 29.3 87.9



#60
Dibromochloromethane
Concen: 21.339 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067447.D
Acq: 29 Oct 2020 13:02

Tgt Ion: 129 Resp: 67353
Ion Ratio Lower Upper
129 100
127 77.0 38.3 114.8

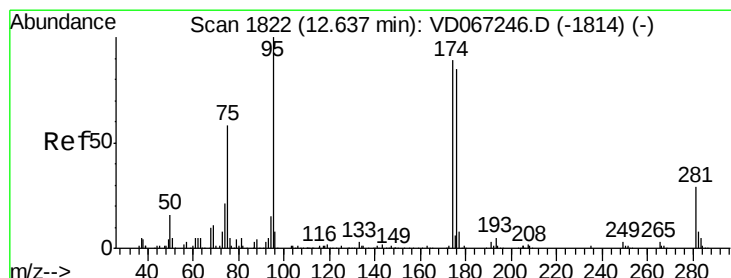
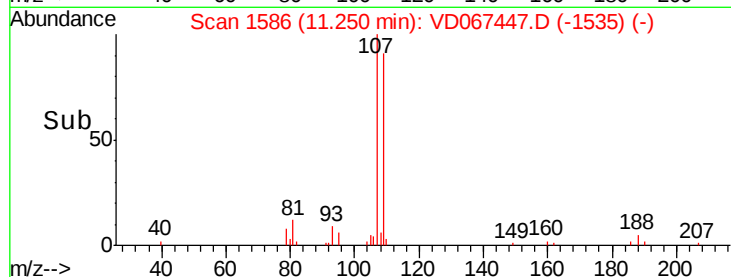
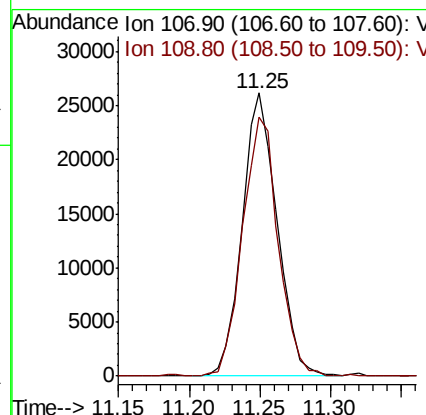
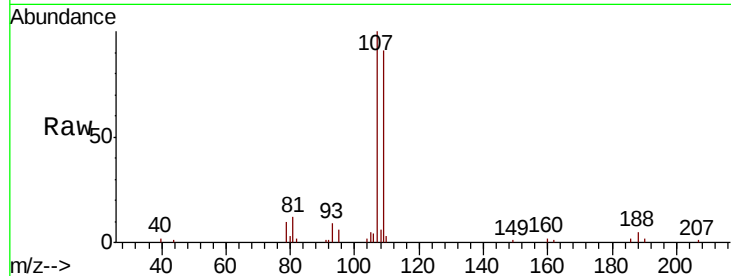




#61
 1,2-Dibromoethane
 Concen: 21.182 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067447.D
 Acq: 29 Oct 2020 13:02

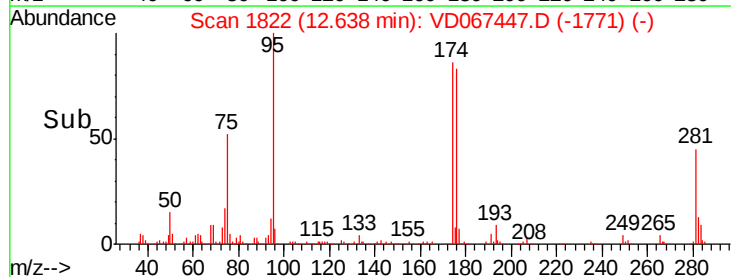
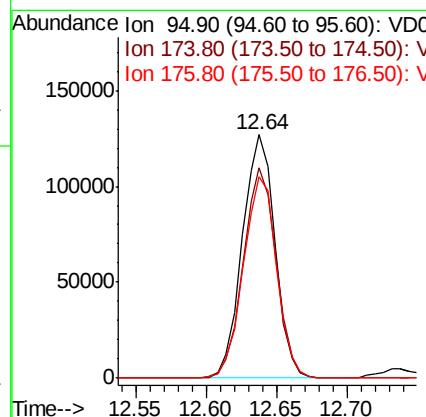
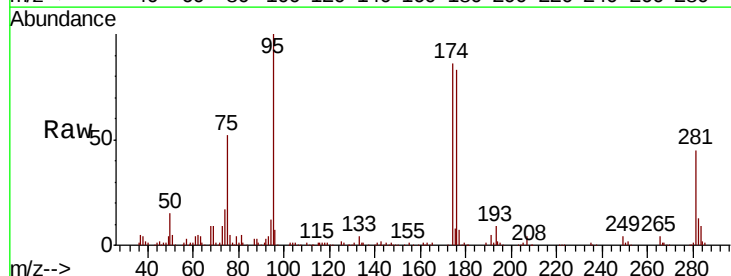
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBS01

Tot Ion:107 Resp: 45196
 Ion Ratio Lower Upper
 107 100
 109 93.2 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 51.795 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067447.D
 Acq: 29 Oct 2020 13:02

Tgt Ion: 95 Resp: 205049
 Ion Ratio Lower Upper
 95 100
 174 86.9 0.0 175.2
 176 84.3 0.0 168.6

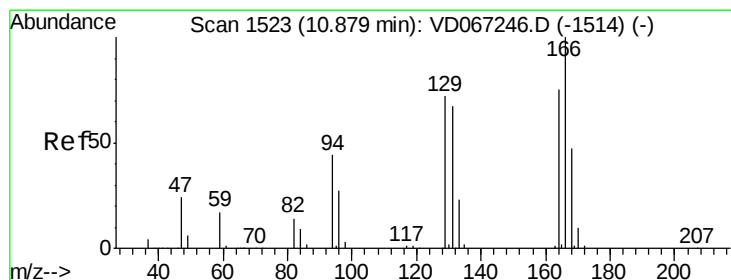
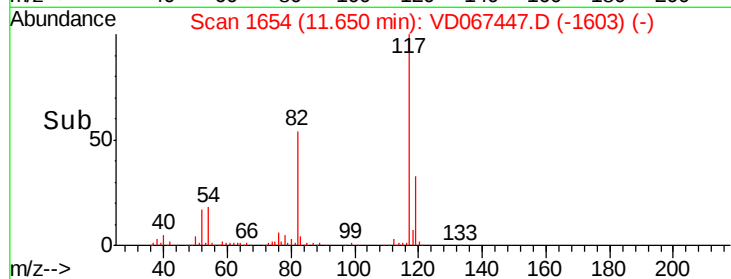
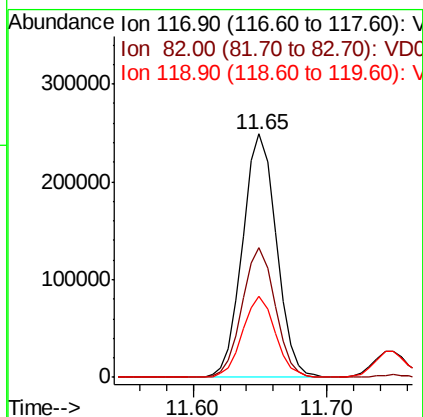
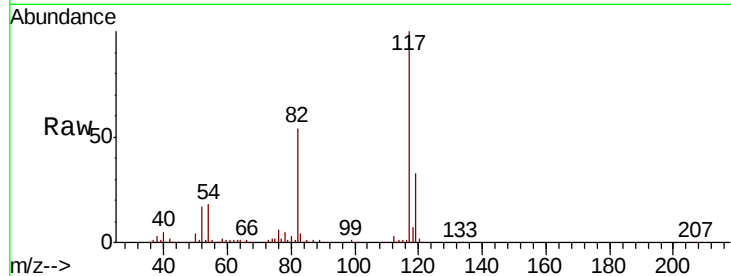




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067447.D
Acq: 29 Oct 2020 13:02

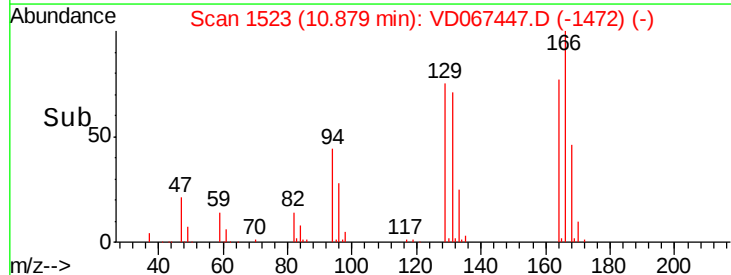
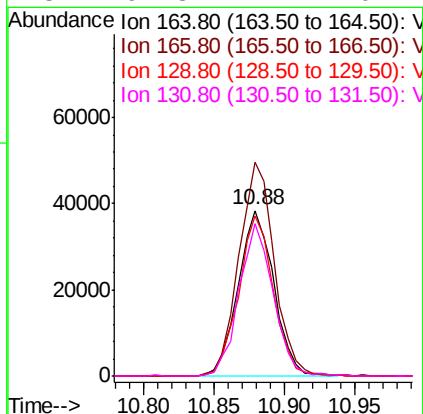
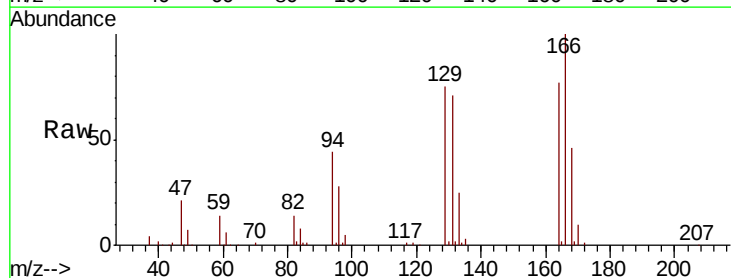
Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

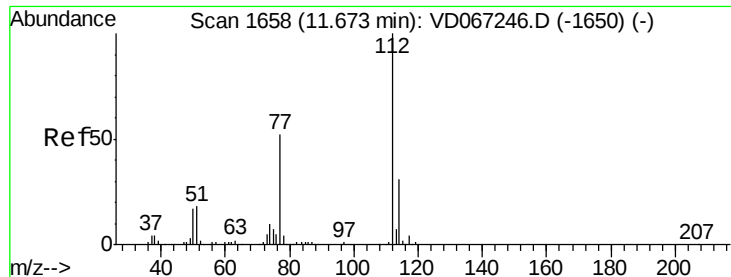
Tot Ion:117 Resp: 436403
Ion Ratio Lower Upper
117 100
82 53.5 39.9 59.9
119 33.4 24.9 37.3



#64
Tetrachloroethene
Concen: 21.481 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067447.D
Acq: 29 Oct 2020 13:02

Tgt Ion:164 Resp: 67919
Ion Ratio Lower Upper
164 100
166 129.2 107.3 160.9
129 96.7 77.3 115.9
131 92.3 71.4 107.2

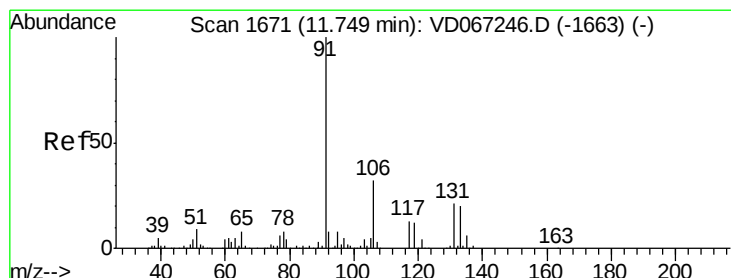
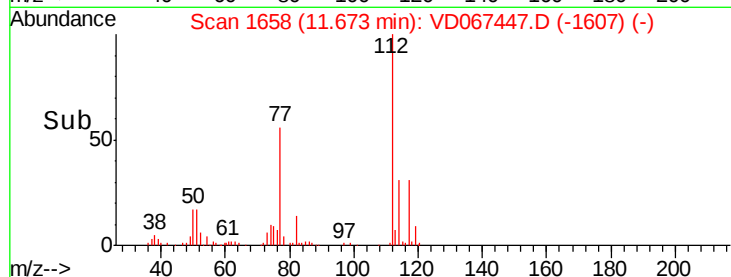
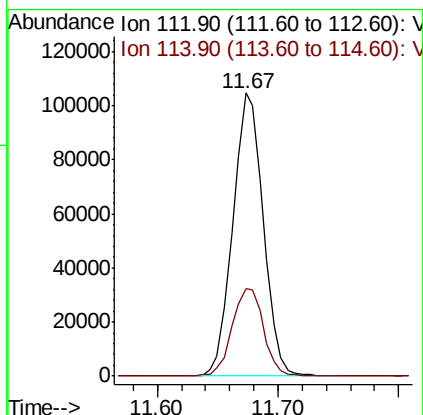
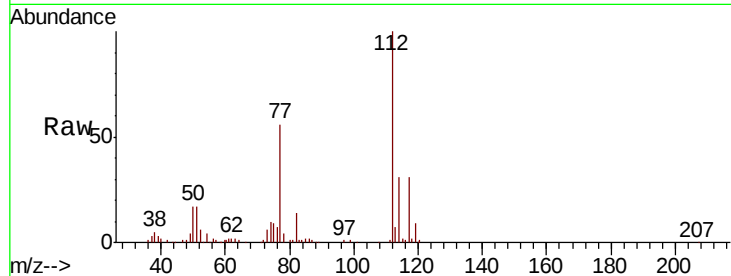




#65
Chlorobenzene
Concen: 21.909 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067447.D
Acq: 29 Oct 2020 13:02

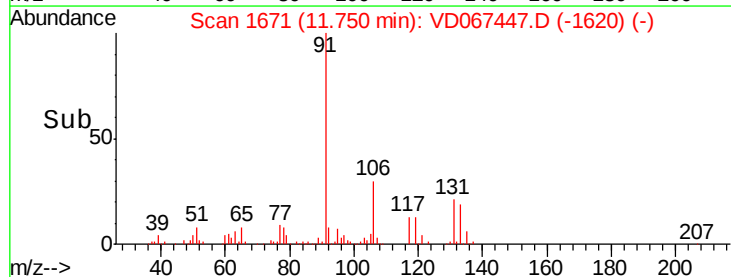
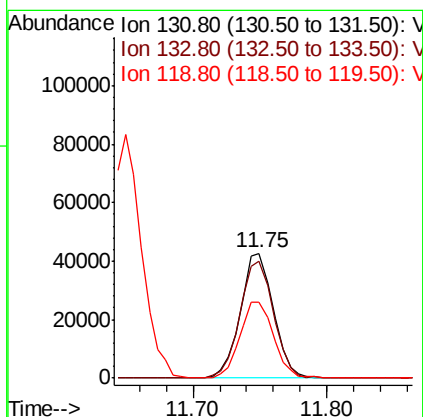
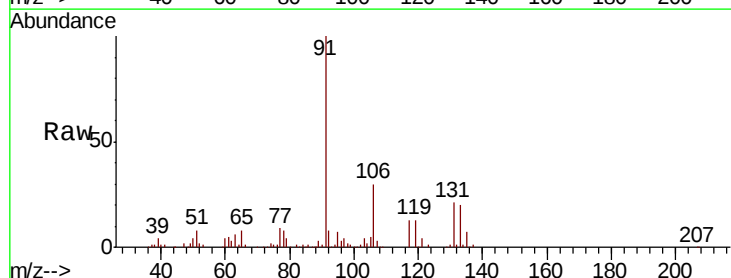
Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

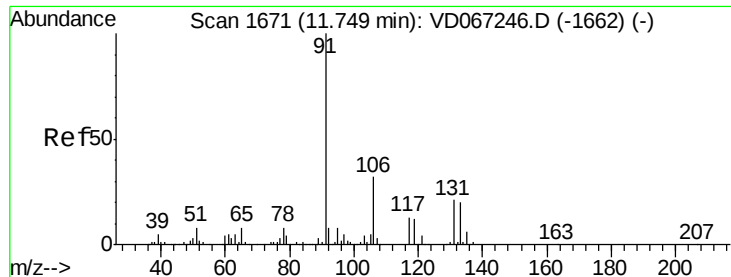
Tot Ion:112 Resp: 183344
Ion Ratio Lower Upper
112 100
114 30.7 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 21.937 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067447.D
Acq: 29 Oct 2020 13:02

Tgt Ion:131 Resp: 72962
Ion Ratio Lower Upper
131 100
133 95.8 48.1 144.3
119 62.3 30.0 90.0





#67

Ethyl Benzene

Concen: 21.903 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067447.D

Acq: 29 Oct 2020 13:02

Instrument :

MSVOA_D

ClientSampleId :

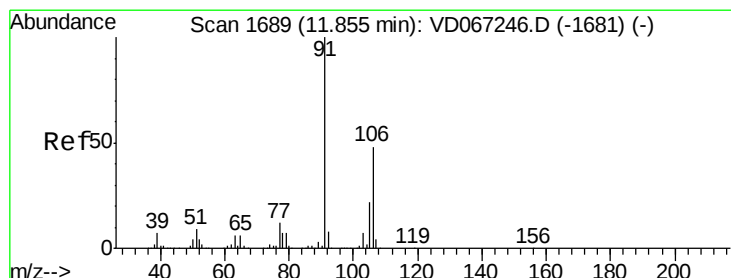
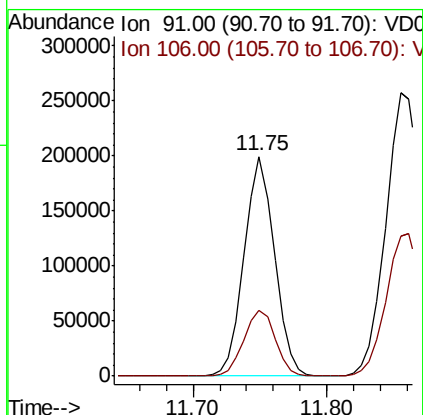
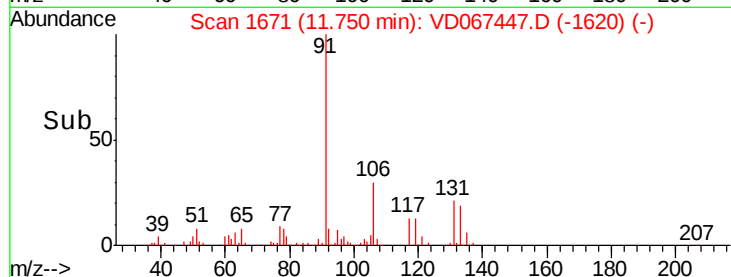
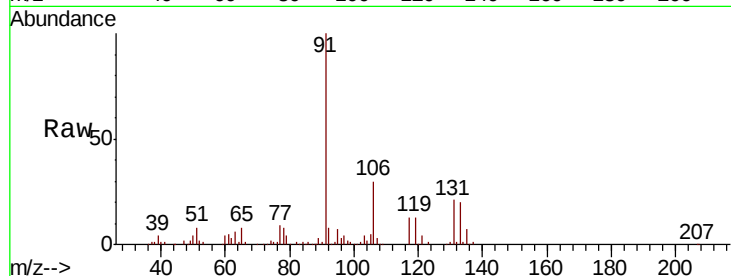
VD1029SBS01

Tot Ion: 91 Resp: 314199

Ion Ratio Lower Upper

91 100

106 29.9 25.4 38.0



#68

m/p-Xylenes

Concen: 44.646 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VD067447.D

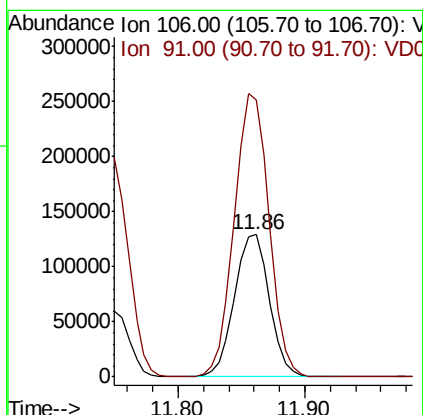
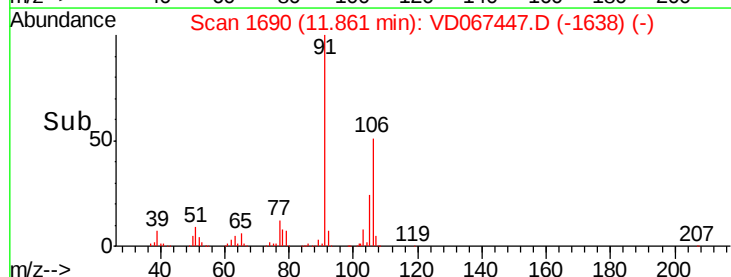
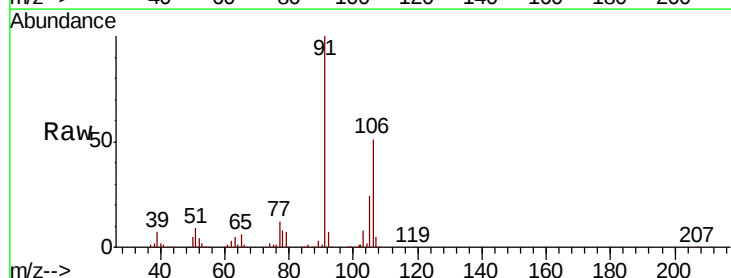
Acq: 29 Oct 2020 13:02

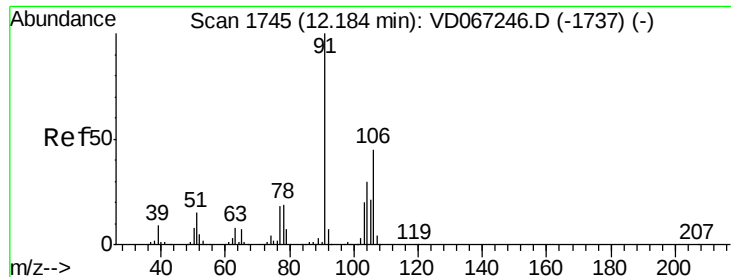
Tgt Ion: 106 Resp: 246628

Ion Ratio Lower Upper

106 100

91 198.9 163.8 245.8

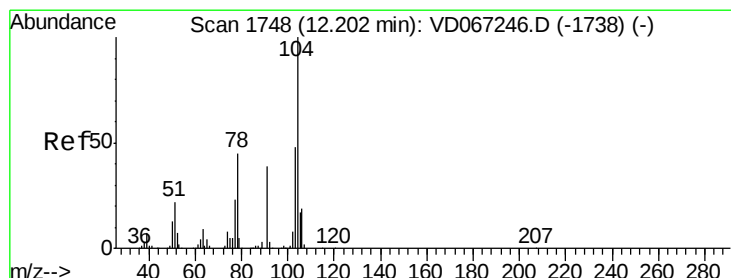
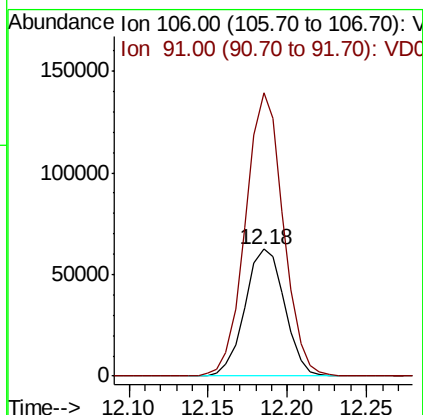
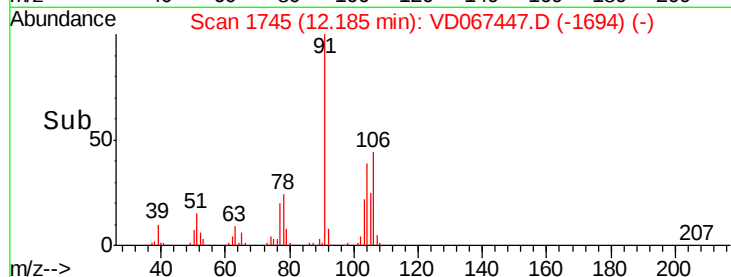
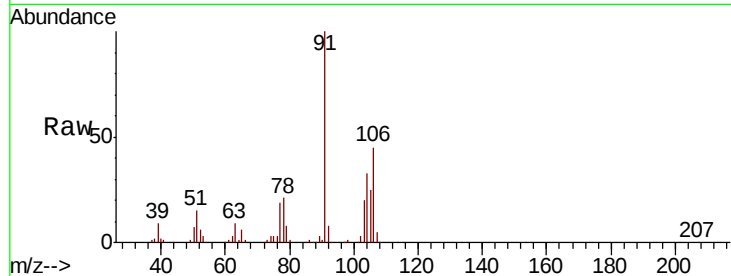




#69
o-Xylene
Concen: 21.172 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067447.D
Acq: 29 Oct 2020 13:02

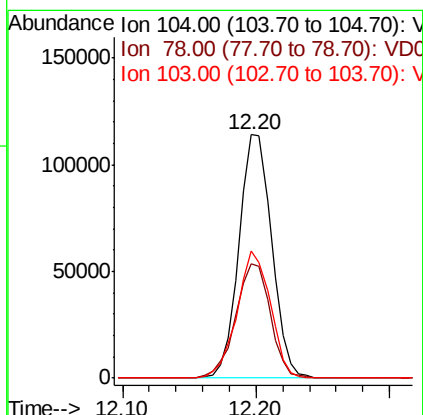
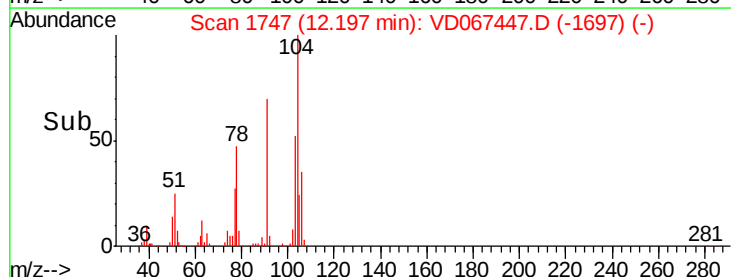
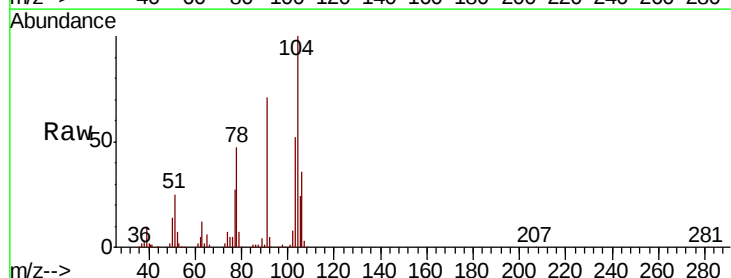
Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

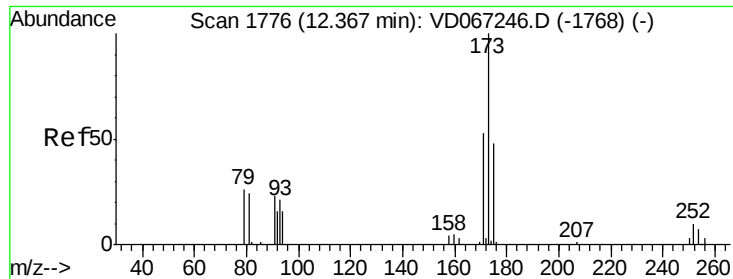
Tot Ion:106 Resp: 108302
Ion Ratio Lower Upper
106 100
91 213.3 109.1 327.3



#70
Styrene
Concen: 22.059 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD067447.D
Acq: 29 Oct 2020 13:02

Tgt Ion:104 Resp: 194245
Ion Ratio Lower Upper
104 100
78 50.0 39.8 59.6
103 53.1 42.6 64.0

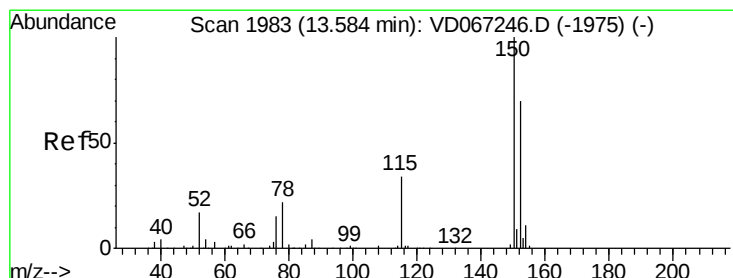
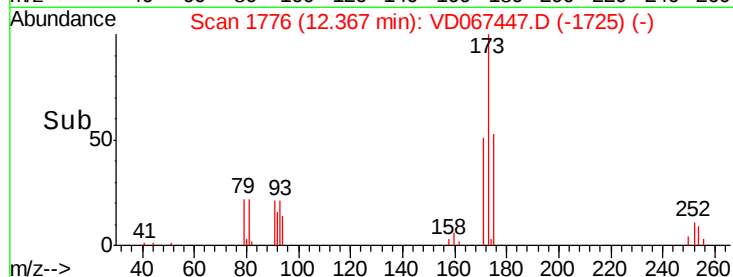
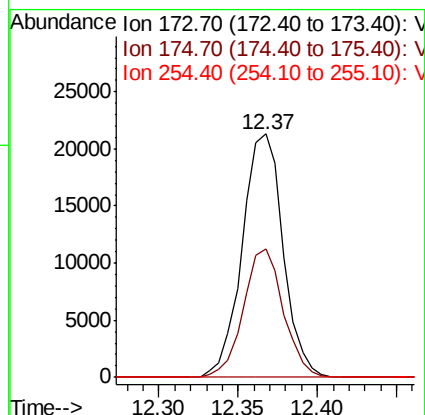
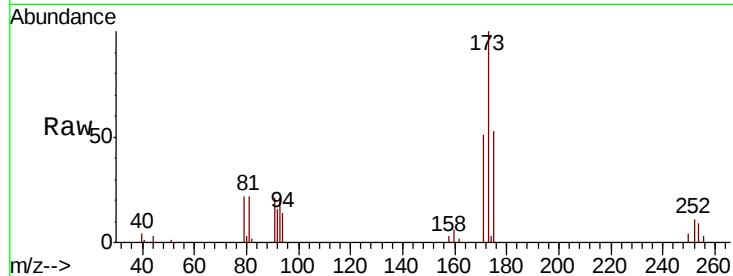




#71
Bromoform
Concen: 21.359 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD067447.D
Acq: 29 Oct 2020 13:02

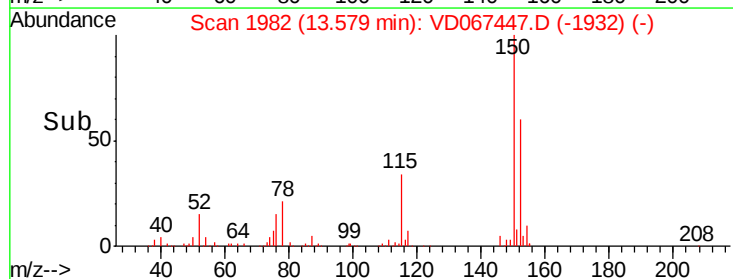
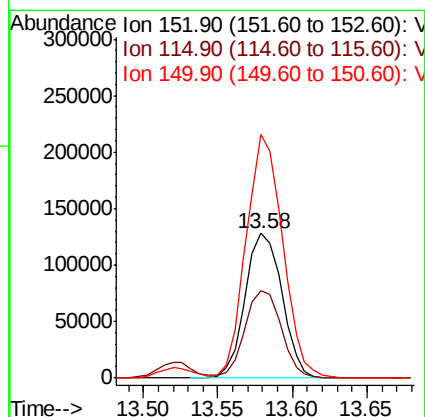
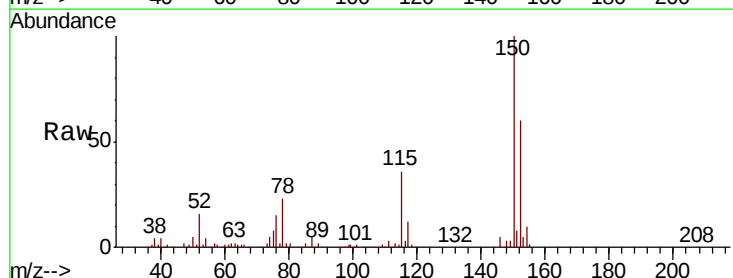
Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

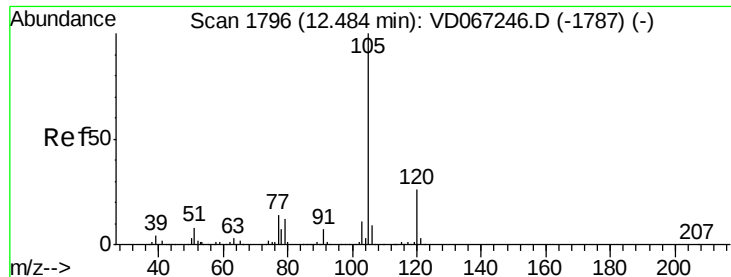
Tot Ion:173 Resp: 38165
Ion Ratio Lower Upper
173 100
175 51.3 24.2 72.6
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067447.D
Acq: 29 Oct 2020 13:02

Tgt Ion:152 Resp: 219730
Ion Ratio Lower Upper
152 100
115 60.0 29.3 87.9
150 166.9 0.0 339.0





#73

Isopropylbenzene

Concen: 22.127 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067447.D

Acq: 29 Oct 2020 13:02

Instrument :

MSVOA_D

ClientSampleId :

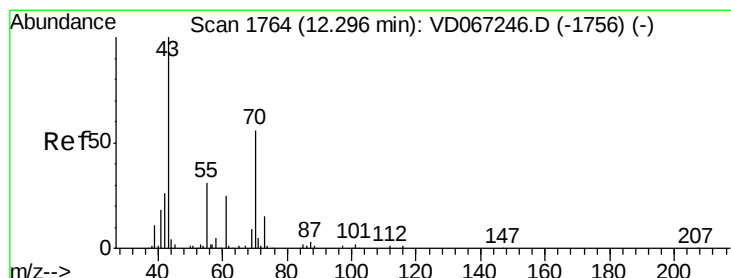
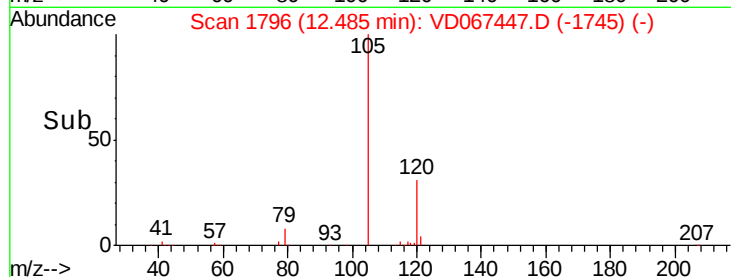
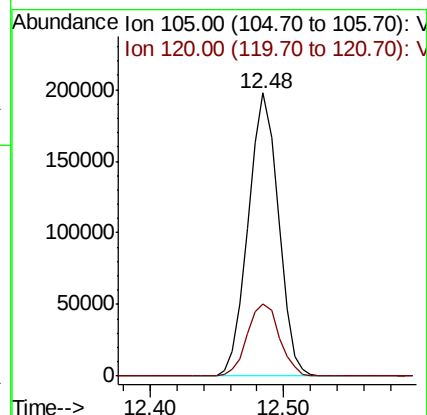
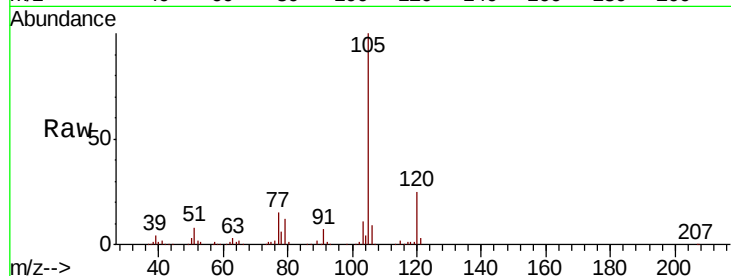
VD1029SBS01

Tot Ion:105 Resp: 308580

Ion Ratio Lower Upper

105 100

120 27.1 13.3 39.8



#74

N-ethyl acetate

Concen: 21.368 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD067447.D

Acq: 29 Oct 2020 13:02

Tgt Ion: 43 Resp: 45006

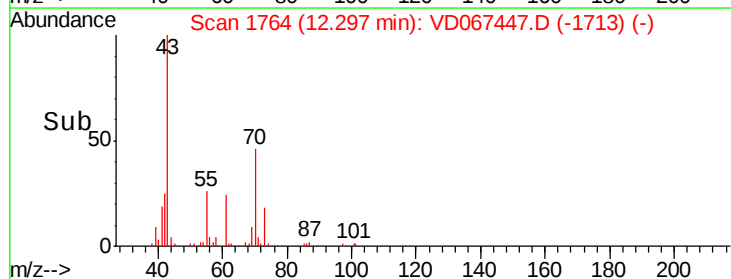
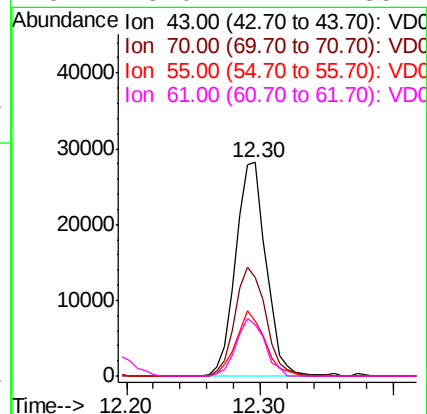
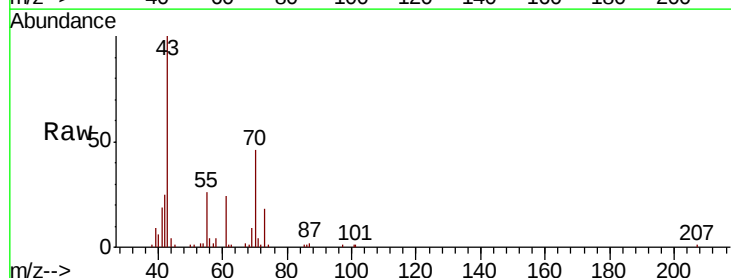
Ion Ratio Lower Upper

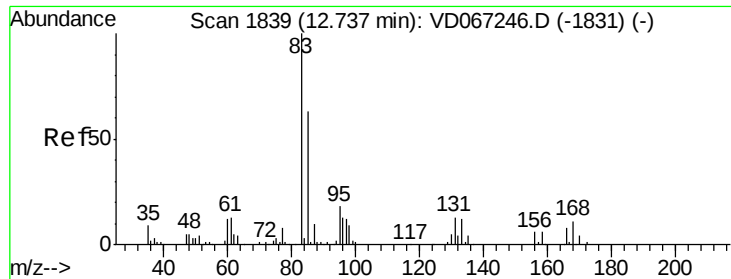
43 100

70 51.1 42.7 64.1

55 28.7 24.0 36.0

61 25.0 22.2 33.4





#75

1,1,2,2-Tetrachloroethane

Concen: 21.368 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067447.D

Acq: 29 Oct 2020 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

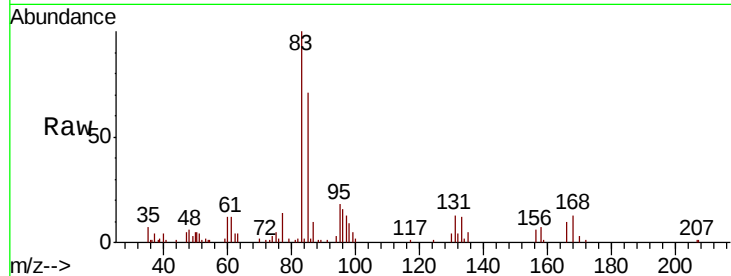
Tot Ion: 83 Resp: 45659

Ion Ratio Lower Upper

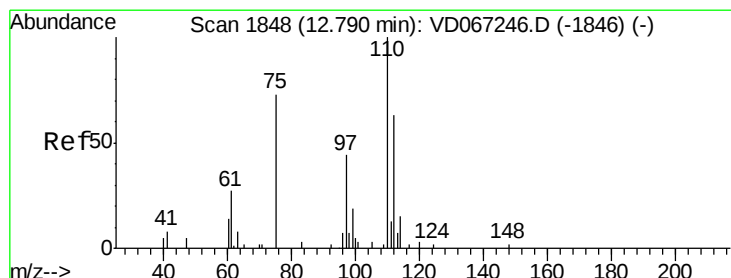
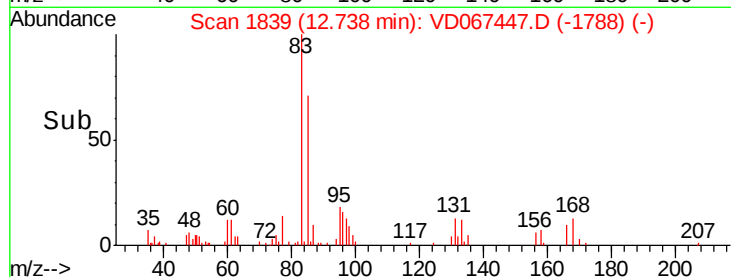
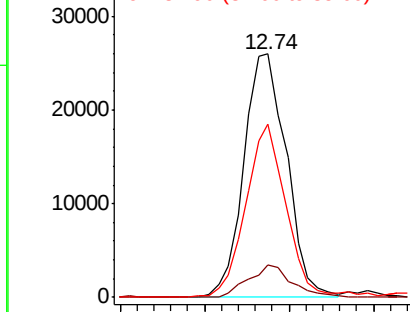
83 100

131 13.4 6.5 19.5

85 66.4 32.6 97.7



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



#76

1,2,3-Trichloropropane

Concen: 40.094 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD067447.D

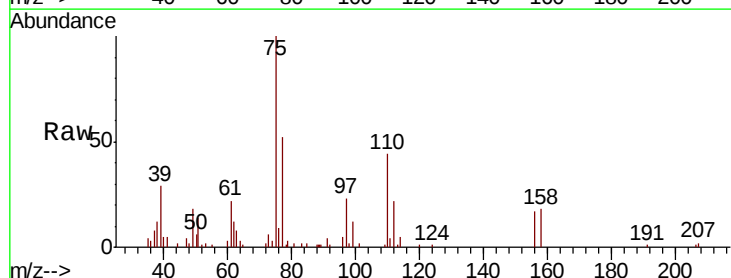
Acq: 29 Oct 2020 13:02

Tgt Ion: 75 Resp: 61061

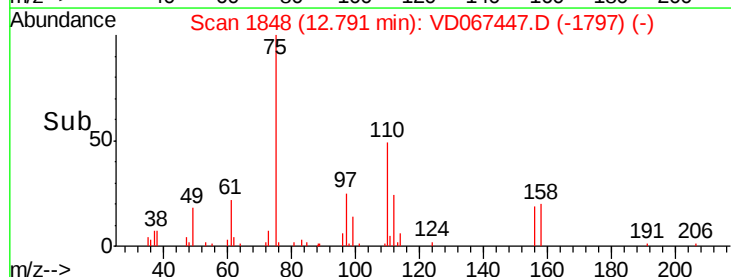
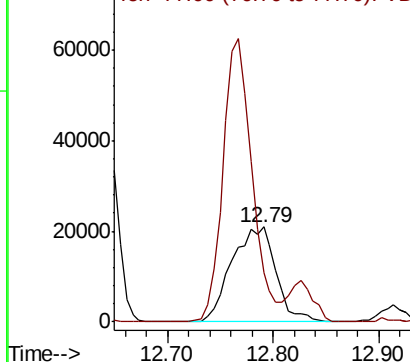
Ion Ratio Lower Upper

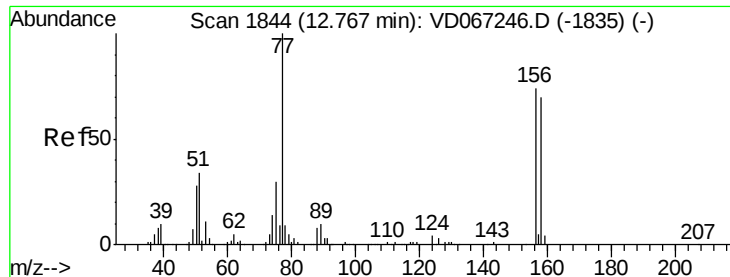
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 22.125 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067447.D

Acq: 29 Oct 2020 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

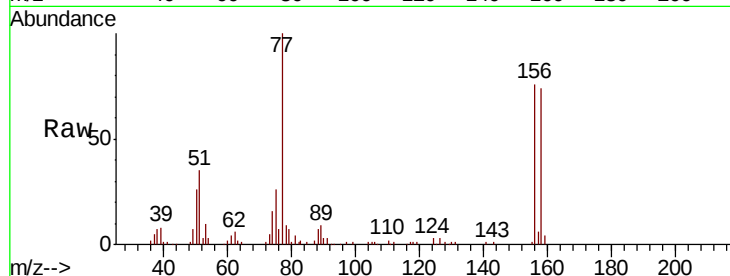
Tot Ion:156 Resp: 76922

Ion Ratio Lower Upper

156 100

77 156.1 78.0 233.8

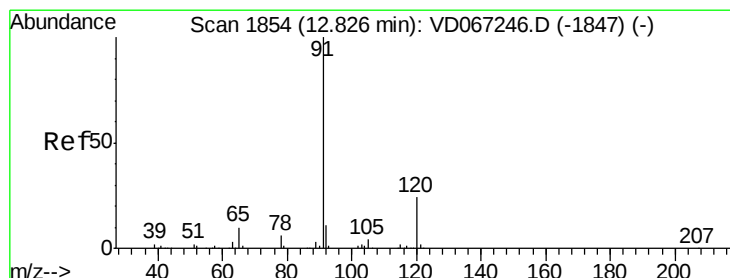
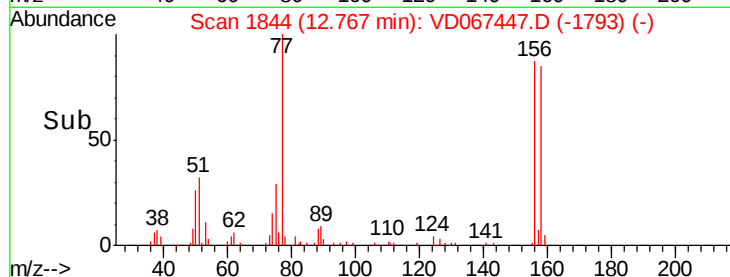
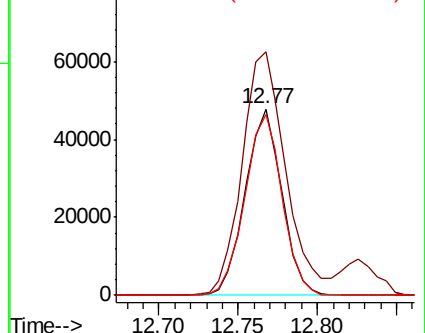
158 98.5 49.1 147.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.413 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067447.D

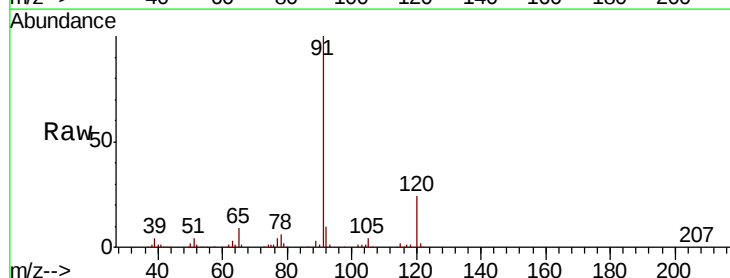
Acq: 29 Oct 2020 13:02

Tgt Ion: 91 Resp: 362149

Ion Ratio Lower Upper

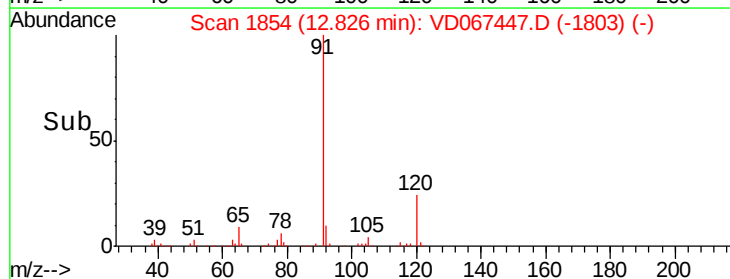
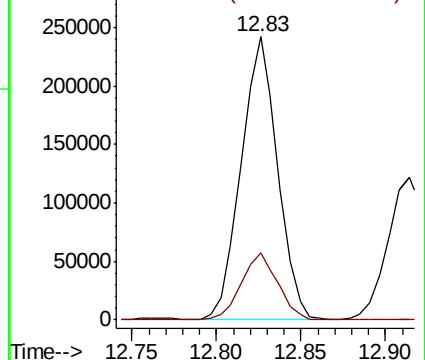
91 100

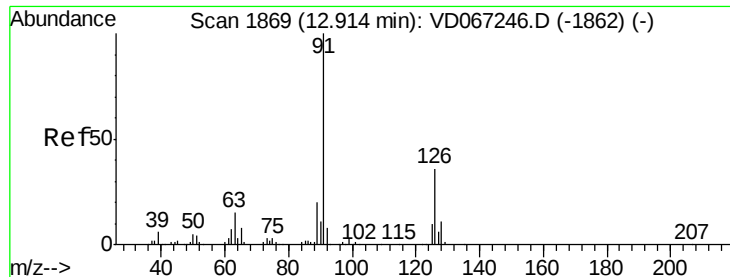
120 23.6 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.570 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD067447.D

Acq: 29 Oct 2020 13:02

Instrument :

MSVOA_D

ClientSampleId :

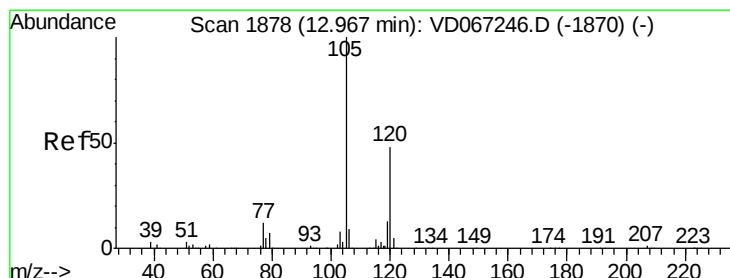
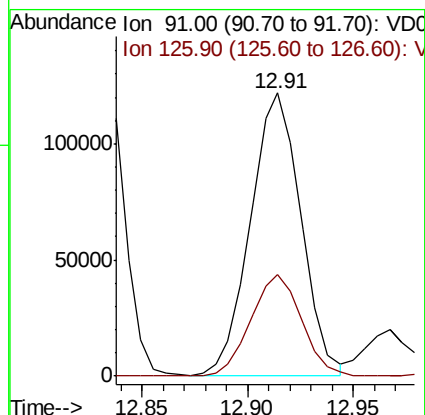
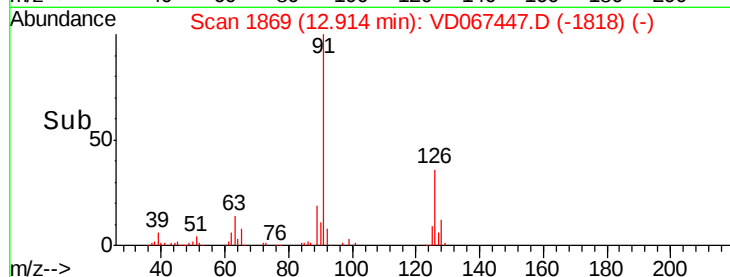
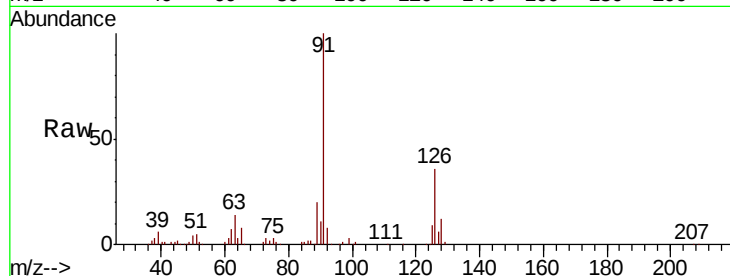
VD1029SBS01

Tot Ion: 91 Resp: 202114

Ion Ratio Lower Upper

91 100

126 35.8 17.6 52.8



#80

1,3,5-Trimethylbenzene

Concen: 22.442 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD067447.D

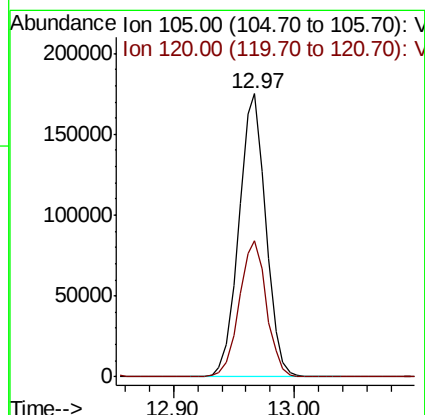
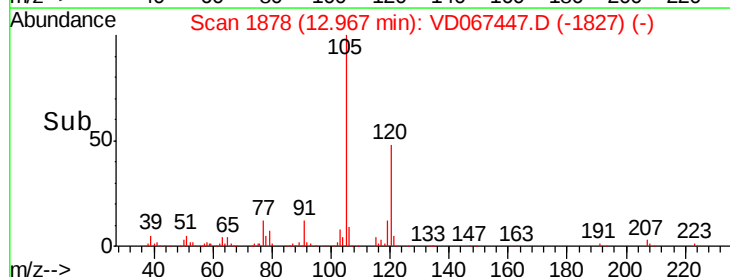
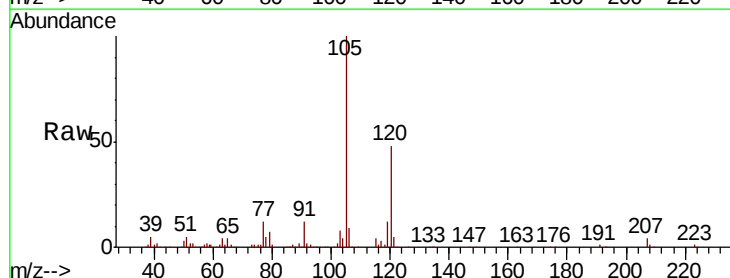
Acq: 29 Oct 2020 13:02

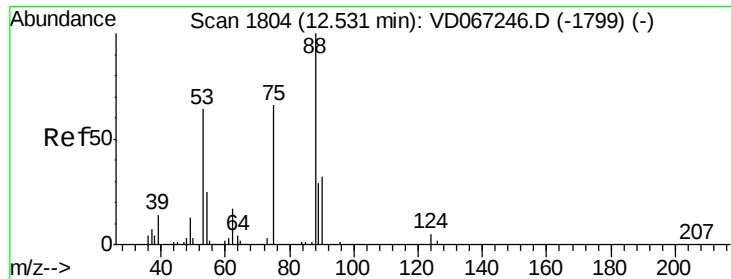
Tgt Ion:105 Resp: 271965

Ion Ratio Lower Upper

105 100

120 48.4 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 21.295 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD067447.D

Acq: 29 Oct 2020 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

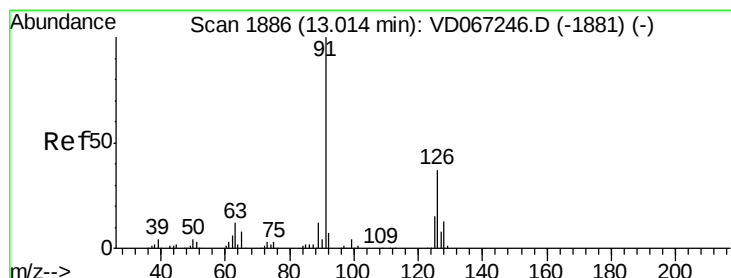
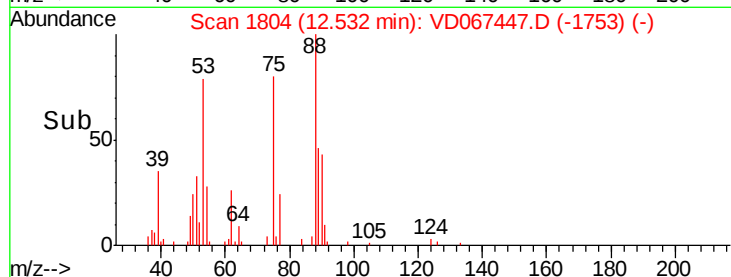
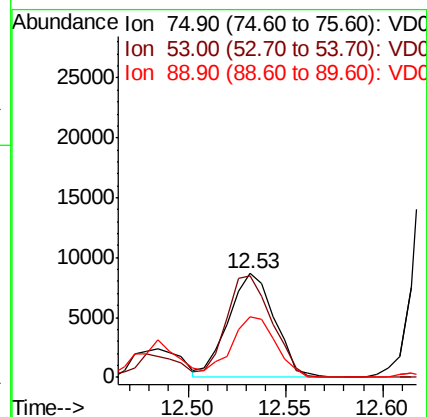
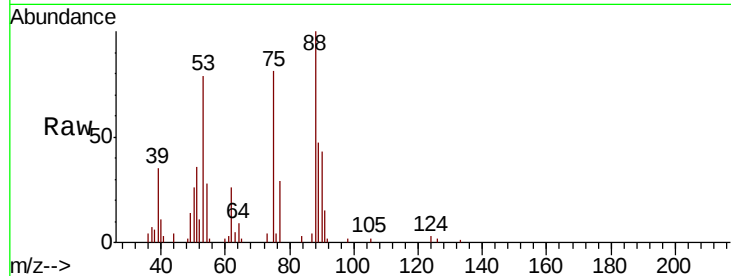
Tot Ion: 75 Resp: 14301

Ion Ratio Lower Upper

75 100

53 96.2 78.5 117.7

89 55.5 39.9 59.9



#82

4-Chlorotoluene

Concen: 21.990 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD067447.D

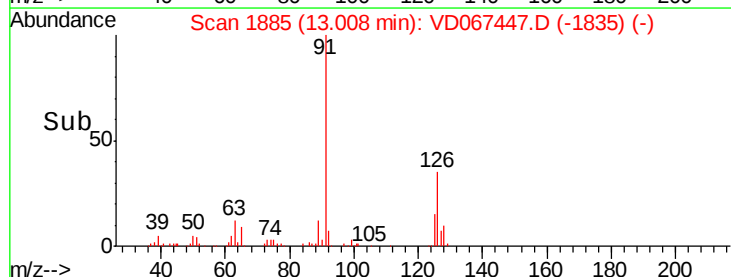
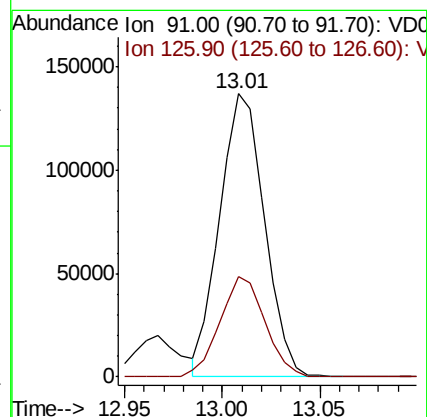
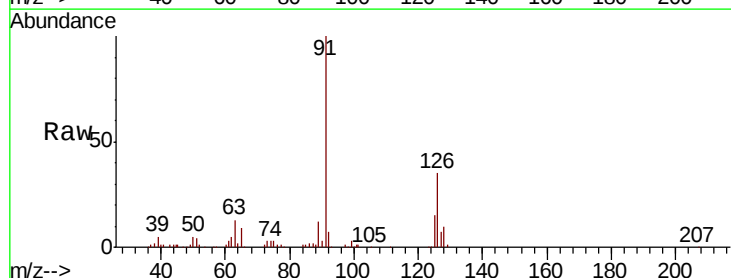
Acq: 29 Oct 2020 13:02

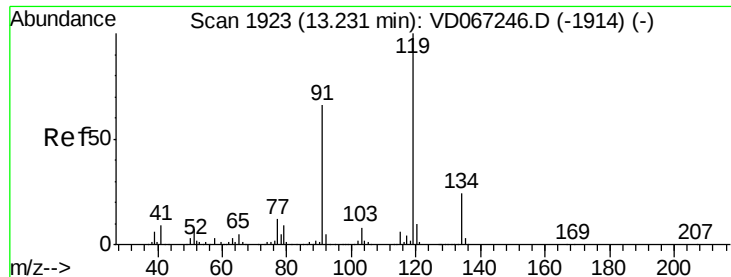
Tgt Ion: 91 Resp: 218687

Ion Ratio Lower Upper

91 100

126 35.6 17.8 53.5

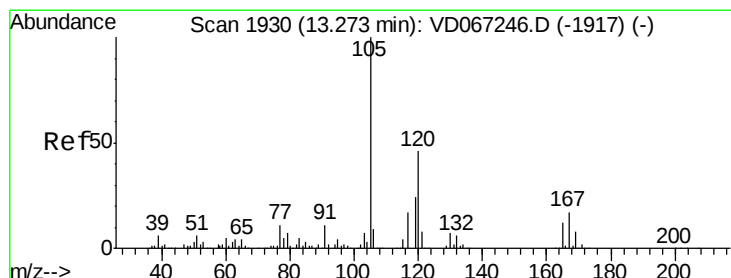
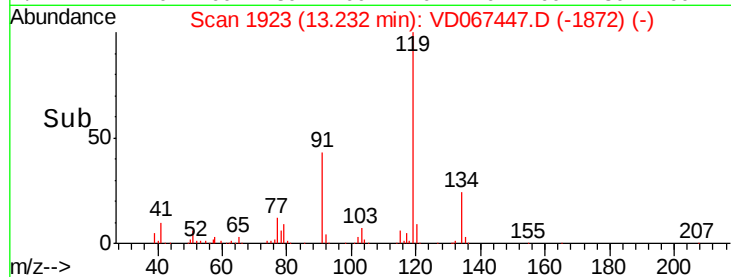
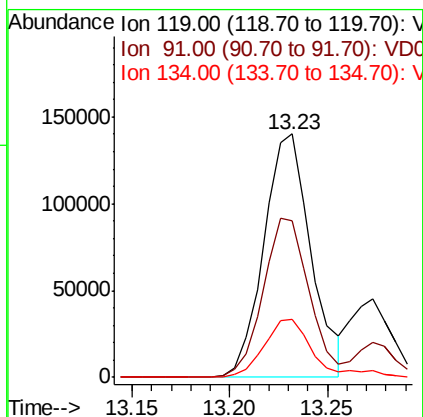
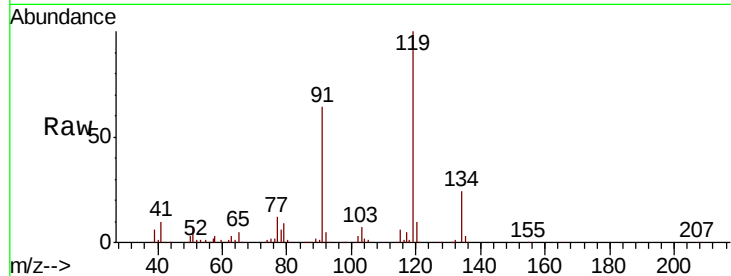




#83
tert-Butylbenzene
Concen: 22.948 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD067447.D
Acq: 29 Oct 2020 13:02

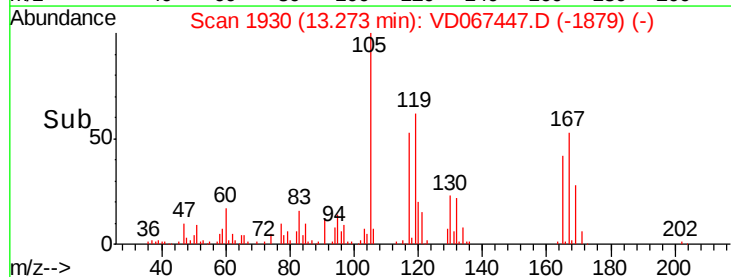
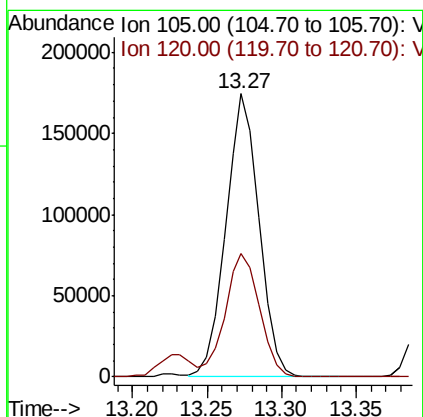
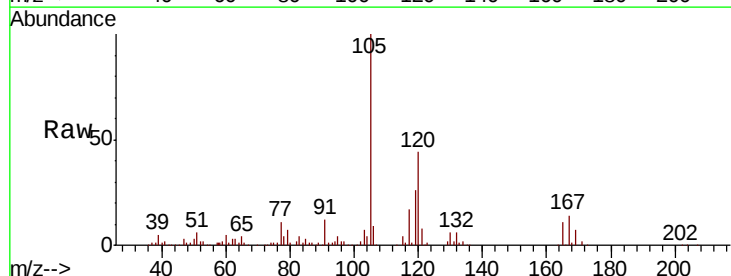
Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

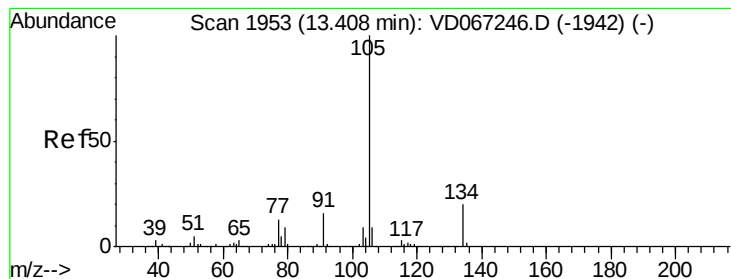
Tot Ion:119 Resp: 234913
Ion Ratio Lower Upper
119 100
91 63.6 33.1 99.2
134 25.5 13.3 39.9



#84
1,2,4-Trimethylbenzene
Concen: 22.553 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067447.D
Acq: 29 Oct 2020 13:02

Tgt Ion:105 Resp: 270131
Ion Ratio Lower Upper
105 100
120 45.2 22.4 67.3





#85

sec-Butylbenzene

Concen: 22.657 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD067447.D

Acq: 29 Oct 2020 13:02

Instrument :

MSVOA_D

ClientSampleId :

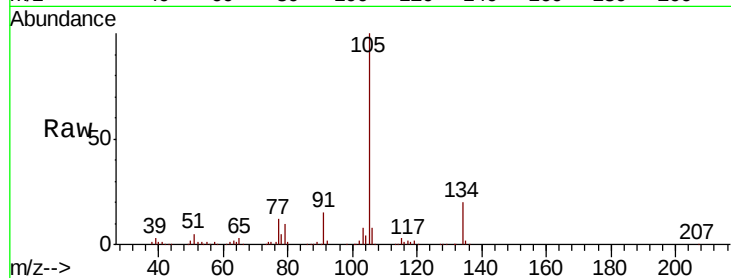
VD1029SBS01

Tot Ion:105 Resp: 318244

Ion Ratio Lower Upper

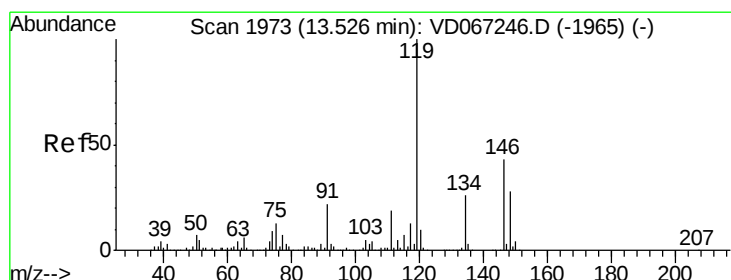
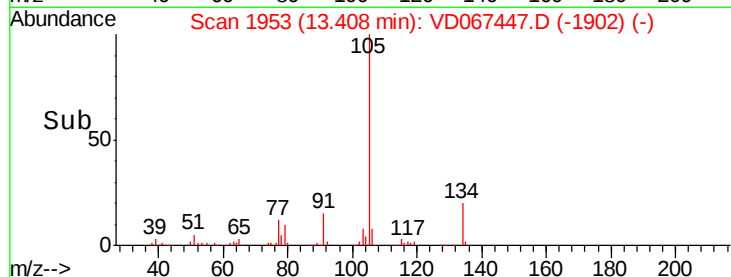
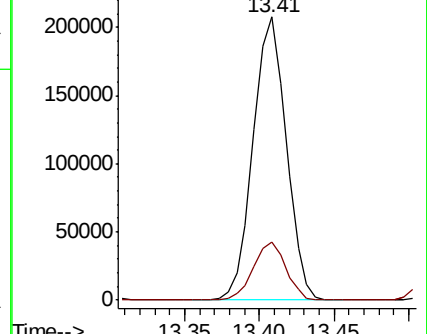
105 100

134 20.2 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: 22.409 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD067447.D

Acq: 29 Oct 2020 13:02

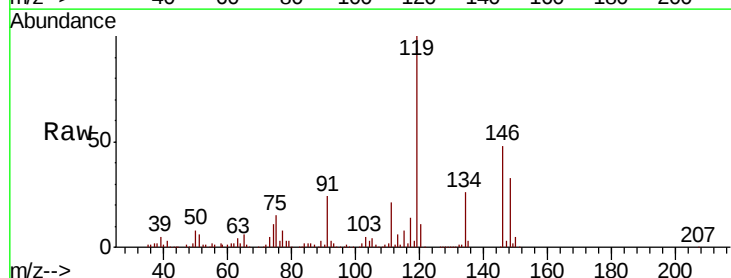
Tgt Ion:119 Resp: 297101

Ion Ratio Lower Upper

119 100

134 26.1 13.1 39.3

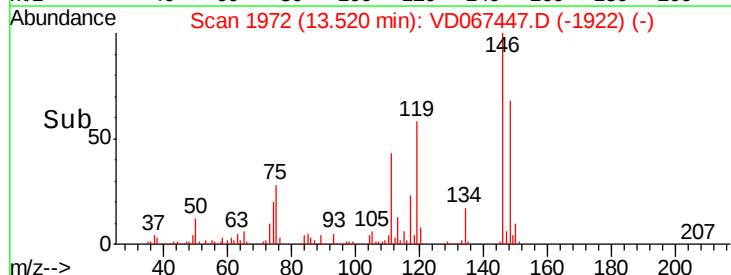
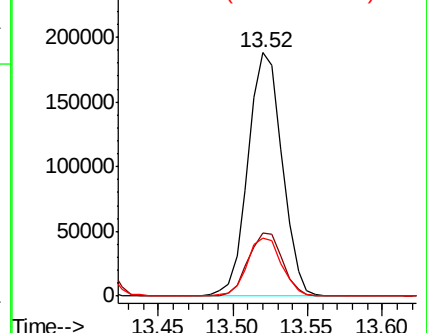
91 24.2 11.9 35.9

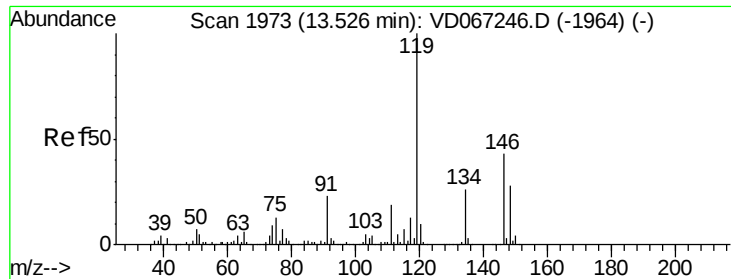


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

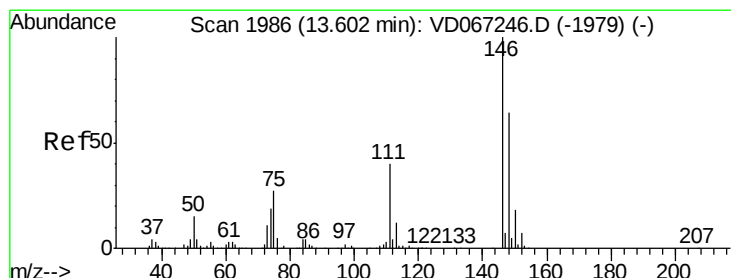
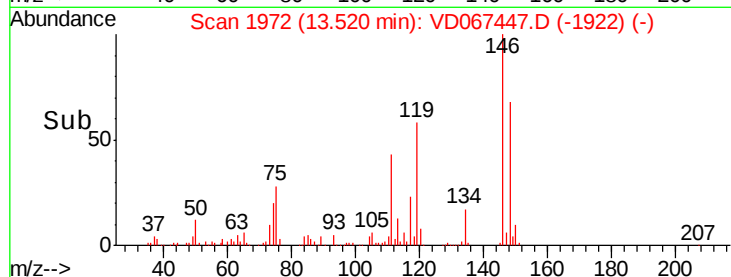
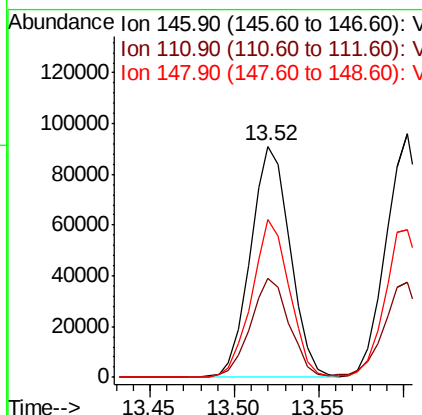
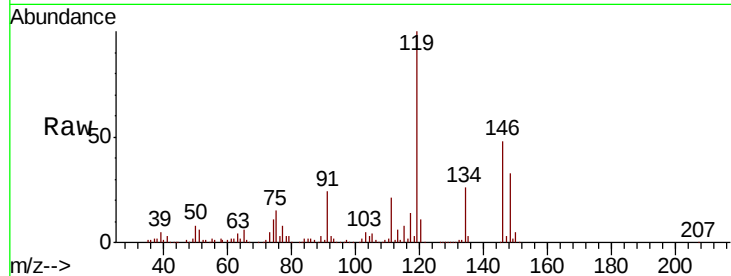




#87
 1,3-Dichlorobenzene
 Concen: 22.189 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD067447.D
 Acq: 29 Oct 2020 13:02

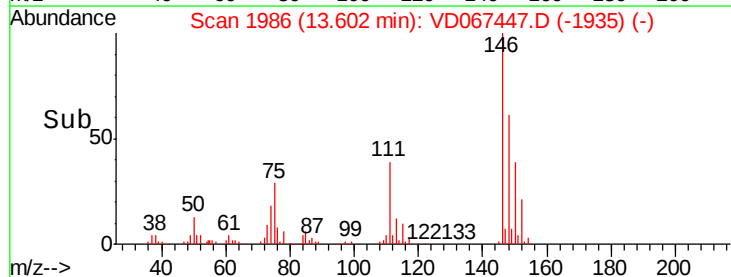
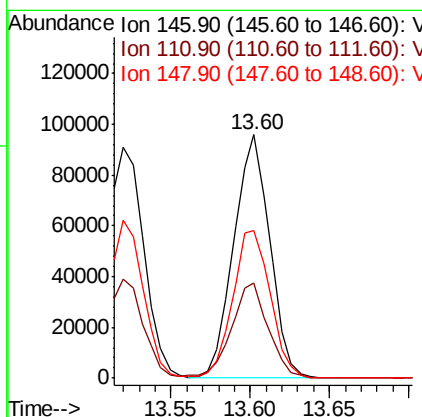
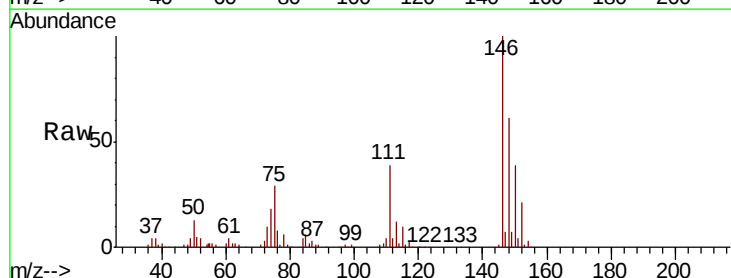
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBS01

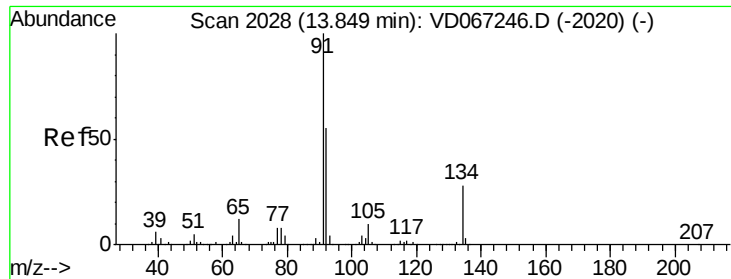
Tot Ion:146 Resp: 148489
 Ion Ratio Lower Upper
 146 100
 111 42.0 21.1 63.3
 148 65.1 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 22.774 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD067447.D
 Acq: 29 Oct 2020 13:02

Tgt Ion:146 Resp: 150995
 Ion Ratio Lower Upper
 146 100
 111 40.2 19.9 59.7
 148 63.4 31.9 95.9

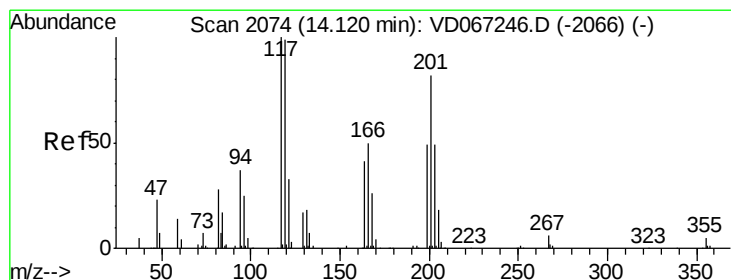
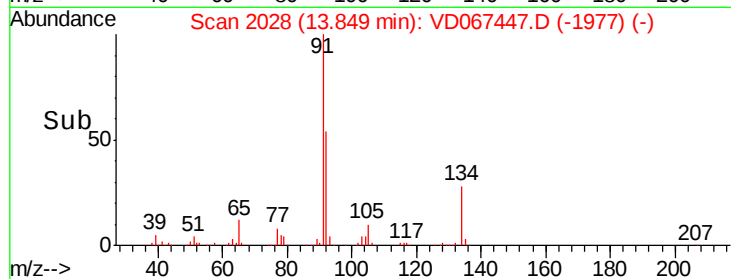
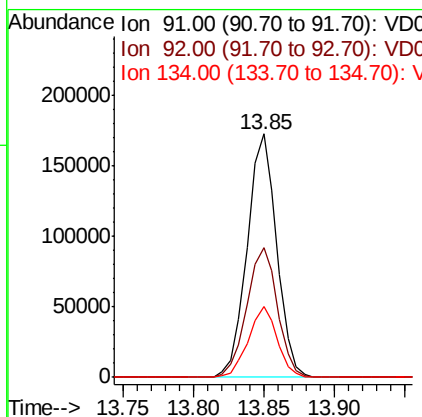
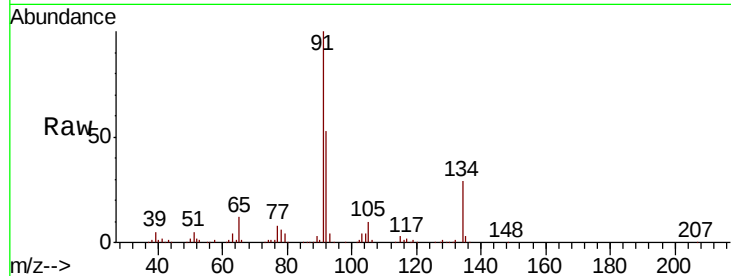




#89
n-Butylbenzene
Concen: 21.738 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067447.D
Acq: 29 Oct 2020 13:02

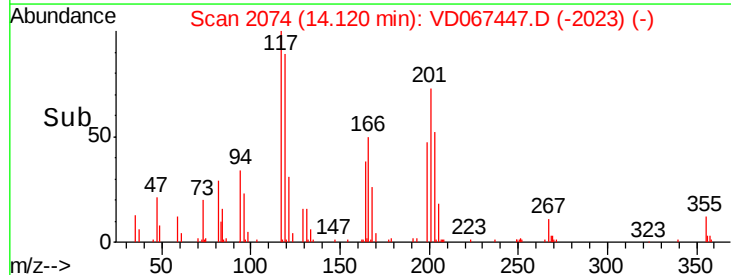
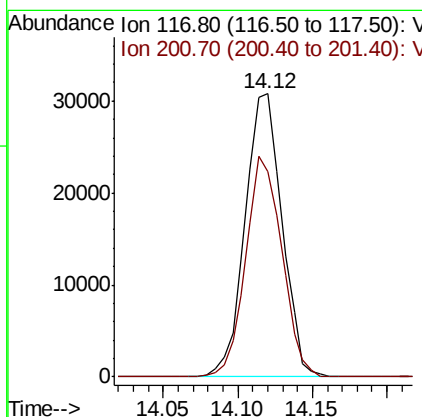
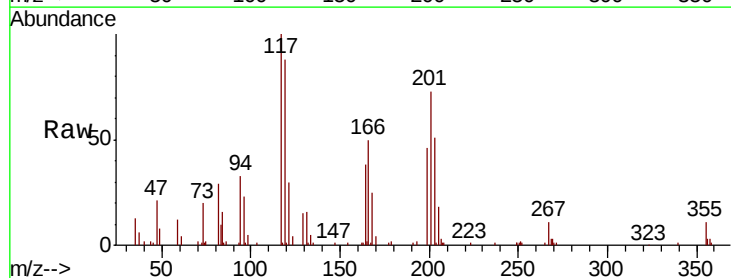
Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

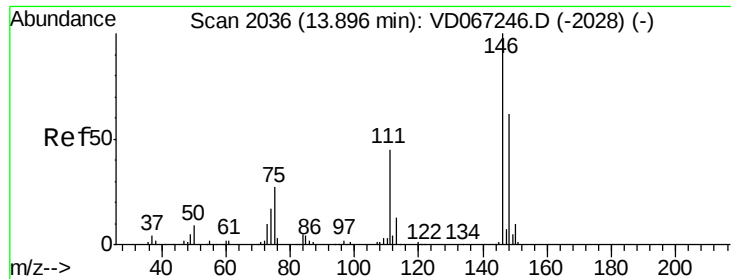
Tot Ion: 91 Resp: 253544
Ion Ratio Lower Upper
91 100
92 55.5 26.7 80.0
134 28.5 14.2 42.6



#90
Hexachloroethane
Concen: 22.784 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD067447.D
Acq: 29 Oct 2020 13:02

Tgt Ion: 117 Resp: 52712
Ion Ratio Lower Upper
117 100
201 76.1 40.8 122.2

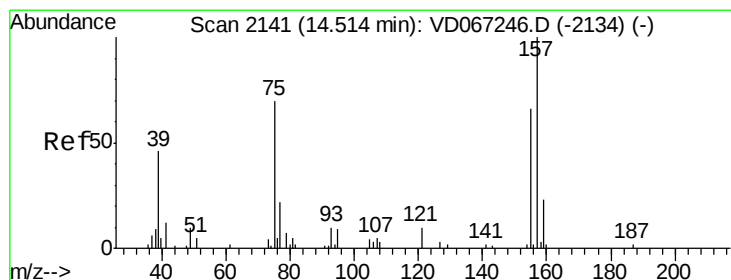
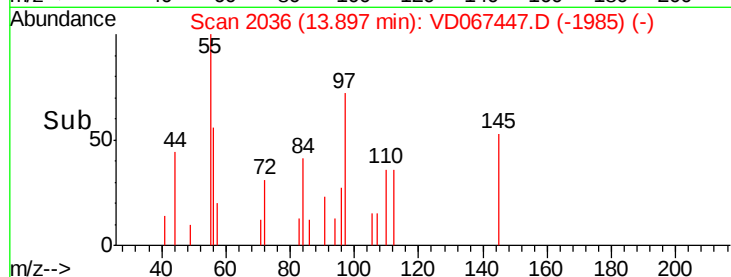
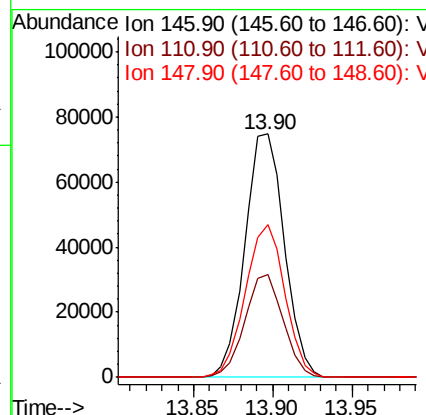
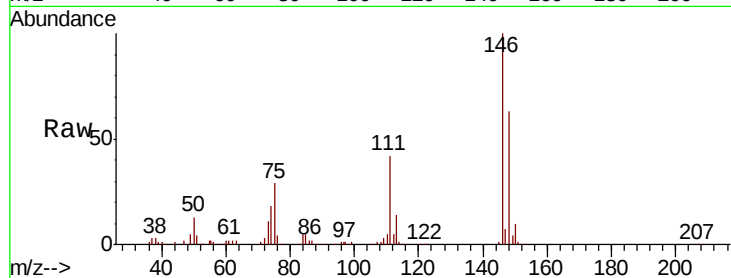




#91
 1,2-Dichlorobenzene
 Concen: 22.167 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067447.D
 Acq: 29 Oct 2020 13:02

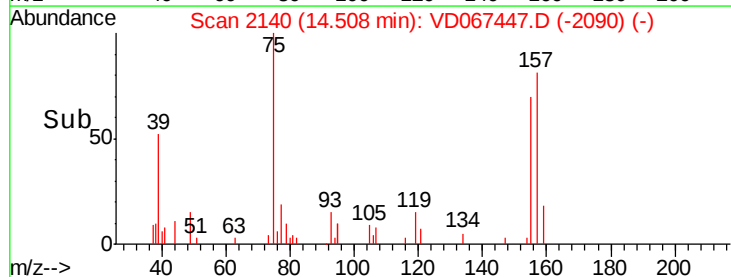
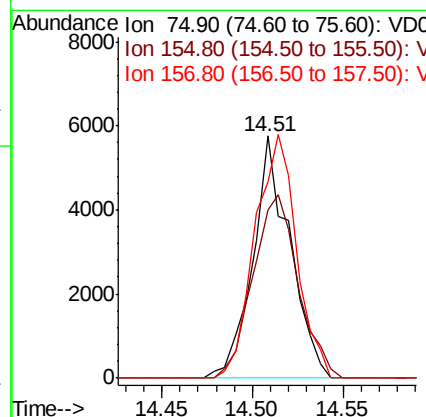
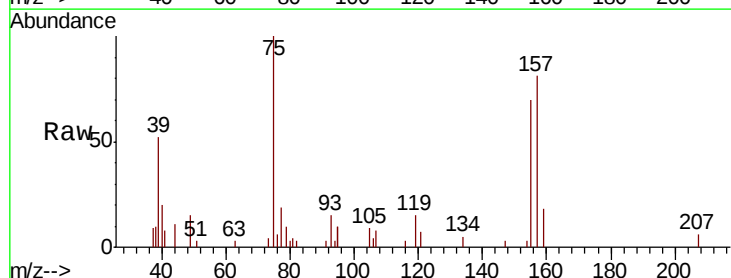
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBS01

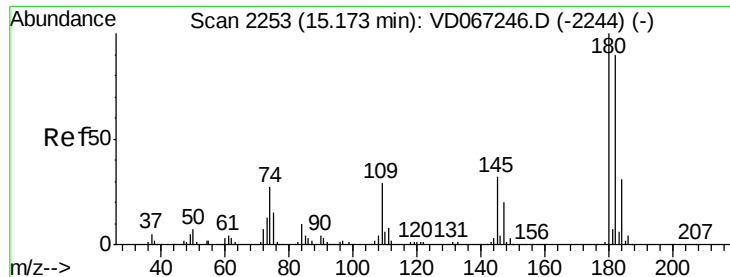
Tot Ion:146 Resp: 129588
 Ion Ratio Lower Upper
 146 100
 111 41.2 22.0 66.0
 148 62.9 32.5 97.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.046 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD067447.D
 Acq: 29 Oct 2020 13:02

Tgt Ion: 75 Resp: 8170
 Ion Ratio Lower Upper
 75 100
 155 92.5 44.8 134.4
 157 112.8 62.5 187.4

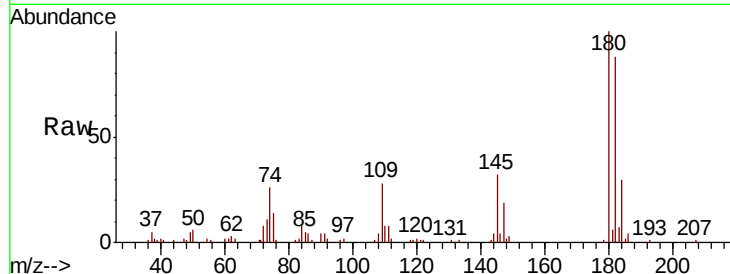




#93
 1,2,4-Trichlorobenzene
 Concen: 22.406 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD067447.D
 Acq: 29 Oct 2020 13:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.1	48.1	144.4
145	31.6	16.3	48.9

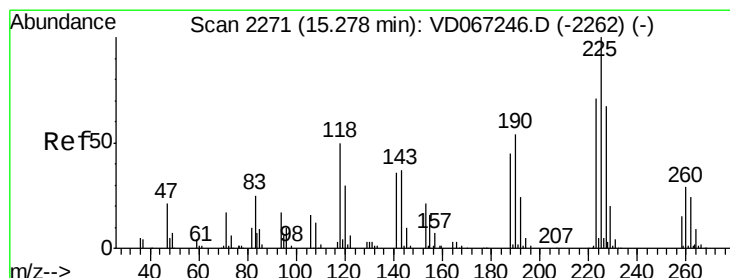
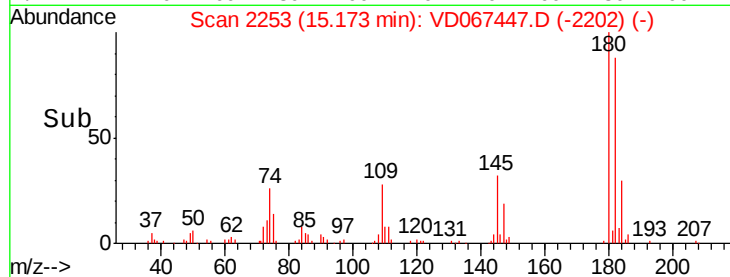
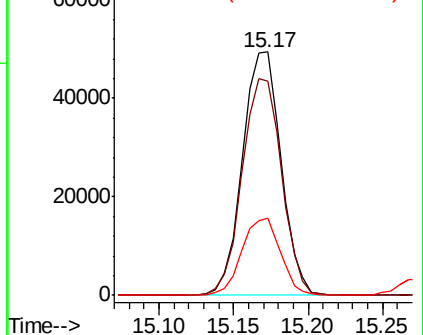


Abundance

Ion 179.80 (179.50 to 180.50): V

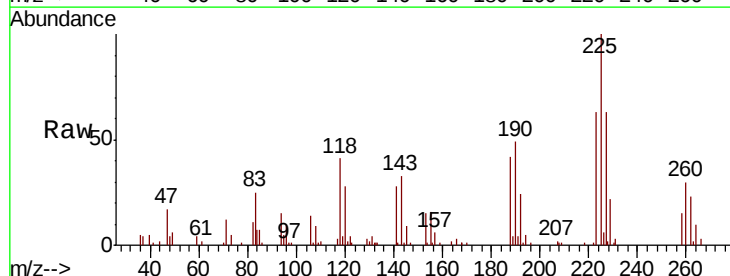
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 21.971 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD067447.D
 Acq: 29 Oct 2020 13:02

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.3	31.9	95.7
227	65.4	31.2	93.6

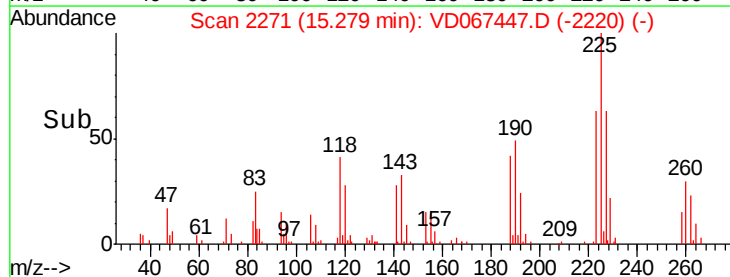
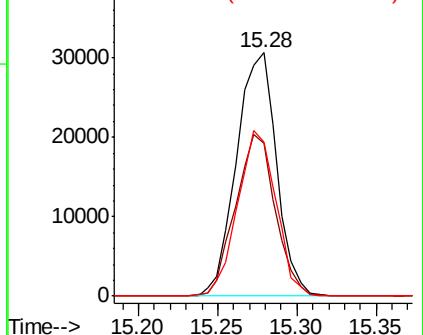


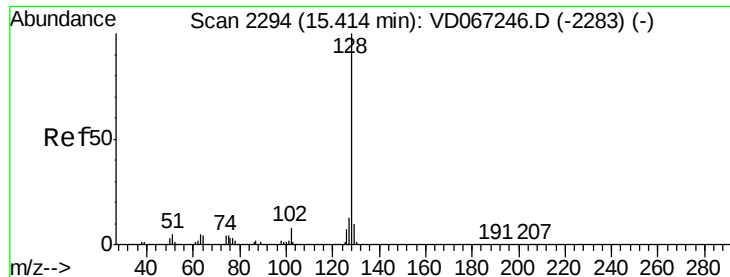
Abundance

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: 19.954 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.01 min

Lab File: VD067447.D

Acq: 29 Oct 2020 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

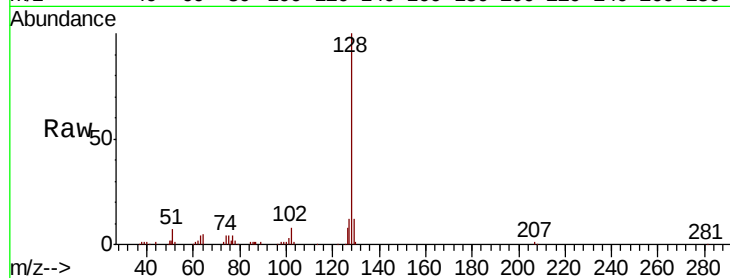
Tot Ion:128 Resp: 129126

Ion Ratio Lower Upper

128 100

127 13.5 10.4 15.6

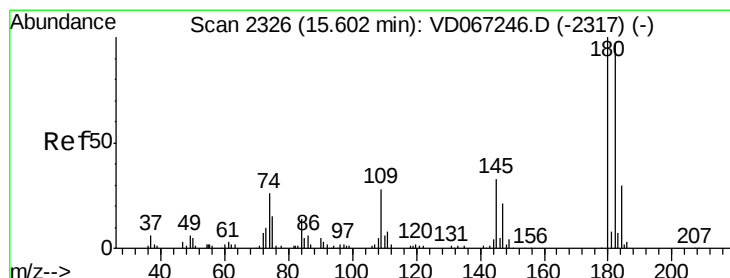
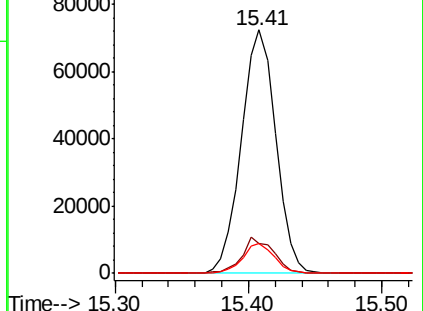
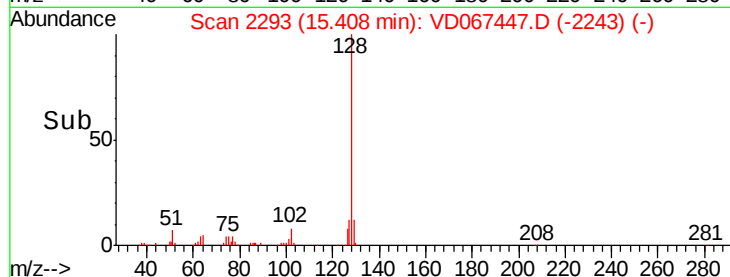
129 11.4 8.6 12.8



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: 21.748 ug/l

RT: 15.60 min Scan# 2325

Delta R.T. -0.01 min

Lab File: VD067447.D

Acq: 29 Oct 2020 13:02

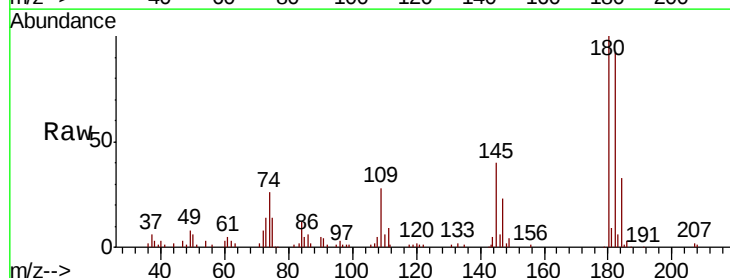
Tgt Ion:180 Resp: 74054

Ion Ratio Lower Upper

180 100

182 94.9 48.1 144.3

145 36.7 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

