

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101320\
 Data File : VD067251.D
 Acq On : 13 Oct 2020 14:47
 Operator : VA/SY
 Sample : VD1013SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1013SBS01

Quant Time: Oct 14 02:11:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 13 13:05:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	350690	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	534927	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	507490	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	257980	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	173405	49.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.72%	
35) Dibromofluoromethane	7.91	113	183099	51.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.86%	
50) Toluene-d8	10.34	98	664044	51.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.08%	
62) 4-Bromofluorobenzene	12.64	95	233143	52.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.08%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	70236	22.550	ug/l	96
3) Chloromethane	2.20	50	47119	21.349	ug/l	100
4) Vinyl Chloride	2.35	62	50484	20.847	ug/l	96
5) Bromomethane	2.76	94	36722	20.401	ug/l	94
6) Chloroethane	2.91	64	29585	19.617	ug/l	97
7) Trichlorofluoromethane	3.27	101	126320	20.716	ug/l	100
8) Diethyl Ether	3.70	74	28852	20.677	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	4.09	101	69120	21.335	ug/l	98
10) Methyl Iodide	4.30	142	54957	18.389	ug/l	96
11) Tert butyl alcohol	5.19	59	13076	31.785	ug/l #	81
12) 1,1-Dichloroethene	4.06	96	62805	21.699	ug/l	91
13) Acrolein	3.93	56	15598	89.510	ug/l	97
14) Allyl chloride	4.71	41	69458	20.956	ug/l	99
15) Acrylonitrile	5.43	53	49727	106.805	ug/l	99
16) Acetone	4.16	43	50237	102.097	ug/l	99
17) Carbon Disulfide	4.40	76	171415	20.775	ug/l	96
18) Methyl Acetate	4.71	43	24842	22.135	ug/l	95
19) Methyl tert-butyl Ether	5.47	73	123821	21.515	ug/l	100
20) Methylene Chloride	4.96	84	79713	22.854	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	69307	20.809	ug/l	93
22) Diisopropyl ether	6.36	45	137684	22.739	ug/l	96
23) Vinyl Acetate	6.30	43	384735	111.688	ug/l	98
24) 1,1-Dichloroethane	6.26	63	111649	21.541	ug/l	97
25) 2-Butanone	7.21	43	60698	108.218	ug/l	94
26) 2,2-Dichloropropane	7.21	77	108257	20.264	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	76632	20.993	ug/l	96
28) Bromochloromethane	7.55	49	35204	19.913	ug/l	99
29) Tetrahydrofuran	7.56	42	34545	110.797	ug/l	96
30) Chloroform	7.71	83	131329	21.211	ug/l	92
31) Cyclohexane	7.98	56	83240	20.570	ug/l #	80
32) 1,1,1-Trichloroethane	7.90	97	126883	20.886	ug/l	98
36) 1,1-Dichloropropene	8.11	75	93446	20.611	ug/l	99
37) Ethyl Acetate	7.29	43	27946	20.950	ug/l #	93
38) Carbon Tetrachloride	8.10	117	121200	20.916	ug/l	98

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Quant Time: Oct 14 02:11:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 13 13:05:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	97917	20.658	ug/l	96
40) Benzene	8.35	78	263469	21.182	ug/l	99
41) Methacrylonitrile	7.52	41	17027	23.621	ug/l #	74
42) 1,2-Dichloroethane	8.42	62	80688	20.729	ug/l	99
43) Isopropyl Acetate	8.45	43	58059	21.935	ug/l	98
44) Trichloroethene	9.11	130	83974	21.086	ug/l	94
45) 1,2-Dichloropropane	9.38	63	61200	21.231	ug/l	93
46) Dibromomethane	9.48	93	36499	20.322	ug/l	96
47) Bromodichloromethane	9.66	83	102075	21.213	ug/l	100
48) Methyl methacrylate	9.46	41	26543	20.635	ug/l	99
49) 1,4-Dioxane	9.46	88	7708	426.049	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	144571	109.508	ug/l	98
52) Toluene	10.41	92	179864	21.231	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	89247	21.113	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	103710	20.964	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	52358	21.378	ug/l	99
56) Ethyl methacrylate	10.66	69	54083	21.292	ug/l	96
57) 1,3-Dichloropropane	10.95	76	85543	21.948	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	141168	108.339	ug/l	100
59) 2-Hexanone	10.99	43	100828	111.767	ug/l	99
60) Dibromochloromethane	11.14	129	75369	21.102	ug/l	99
61) 1,2-Dibromoethane	11.25	107	51062	21.148	ug/l	97
64) Tetrachloroethene	10.88	164	71064	19.327	ug/l	97
65) Chlorobenzene	11.68	112	205790	21.146	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	79964	20.674	ug/l	97
67) Ethyl Benzene	11.75	91	340161	20.391	ug/l	100
68) m/p-Xylenes	11.86	106	267293	41.609	ug/l	99
69) o-Xylene	12.18	106	121110	20.359	ug/l	98
70) Styrene	12.20	104	213568	20.856	ug/l	99
71) Bromoform	12.37	173	43589	20.978	ug/l #	99
73) Isopropylbenzene	12.48	105	341949	20.885	ug/l	99
74) N-amyl acetate	12.29	43	53490	21.631	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	52996	21.125	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	70811	39.602	ug/l #	100
77) Bromobenzene	12.77	156	87529	21.443	ug/l	97
78) n-propylbenzene	12.83	91	391710	20.649	ug/l	98
79) 2-Chlorotoluene	12.91	91	230906	20.989	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	297930	20.939	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	16909	21.445	ug/l	97
82) 4-Chlorotoluene	13.01	91	240467	20.595	ug/l	99
83) tert-Butylbenzene	13.23	119	249196	20.734	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	294443	20.938	ug/l	99
85) sec-Butylbenzene	13.41	105	337557	20.469	ug/l	99
86) p-Isopropyltoluene	13.53	119	322830	20.740	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	161933	20.610	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	164647	21.151	ug/l	99
89) n-Butylbenzene	13.85	91	281070	20.525	ug/l	99
90) Hexachloroethane	14.12	117	55283	20.352	ug/l	95
91) 1,2-Dichlorobenzene	13.90	146	139038	20.257	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	9139	20.052	ug/l	93

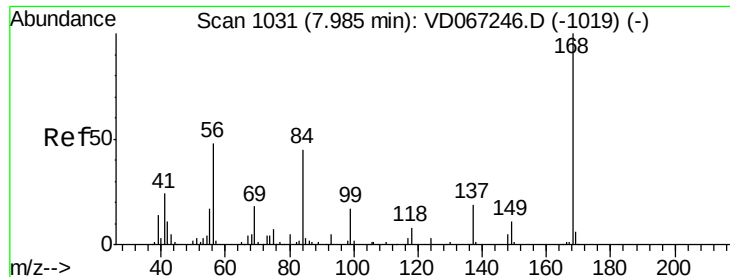
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD101320\
Data File : VD067251.D
Acq On : 13 Oct 2020 14:47
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Sample : VD1013SBS01
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ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
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Quant Time: Oct 14 02:11:16 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 13 13:05:03 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	95223	20.577	ug/l	99
94) Hexachlorobutadiene	15.28	225	57565	20.031	ug/l	98
95) Naphthalene	15.41	128	155149	20.420	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	82426	20.617	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067251.D

Acq: 13 Oct 2020 14:47

Instrument :

MSVOA_D

ClientSampleId :

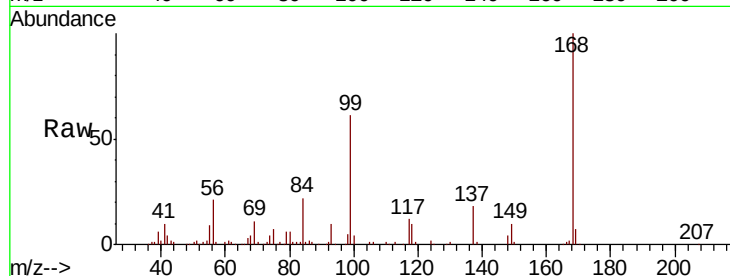
VD1013SBS01

Tot Ion:168 Resp: 350690

Ion Ratio Lower Upper

168 100

99 60.7 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

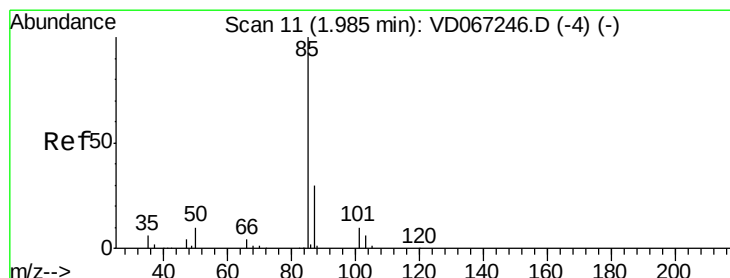
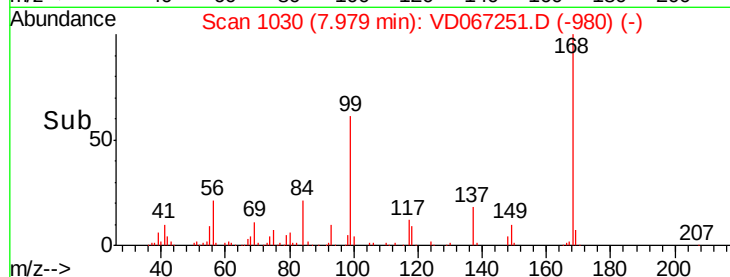
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 22.550 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067251.D

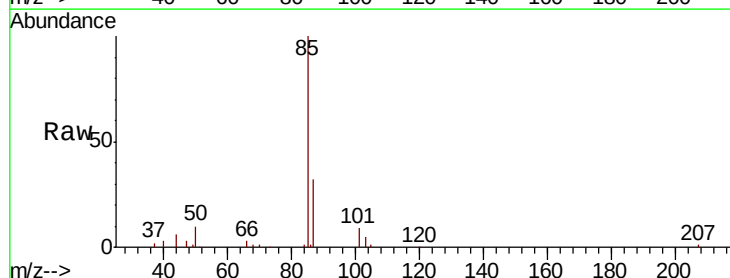
Acq: 13 Oct 2020 14:47

Tgt Ion: 85 Resp: 70236

Ion Ratio Lower Upper

85 100

87 32.4 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

50000

40000

30000

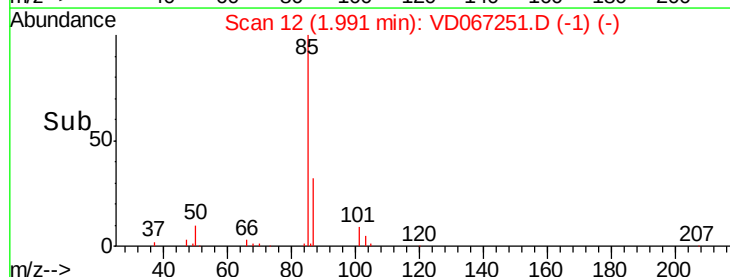
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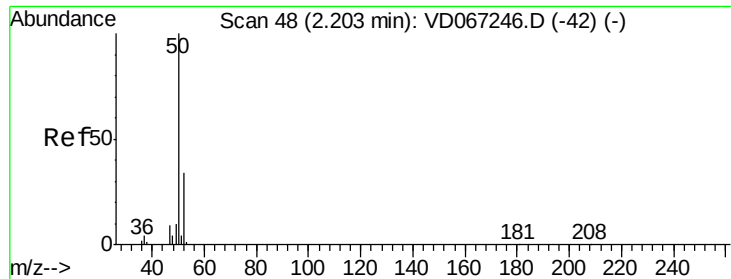
10000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 21.349 ug/l

RT: 2.20 min Scan# 48

Delta R.T. -0.00 min

Lab File: VD067251.D

Acq: 13 Oct 2020 14:47

Instrument :

MSVOA_D

ClientSampleId :

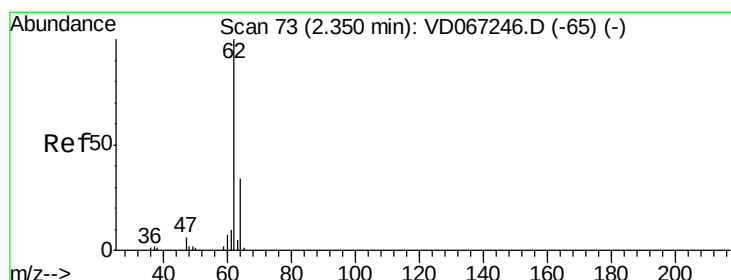
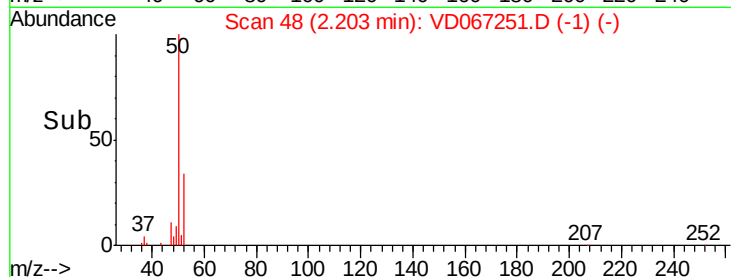
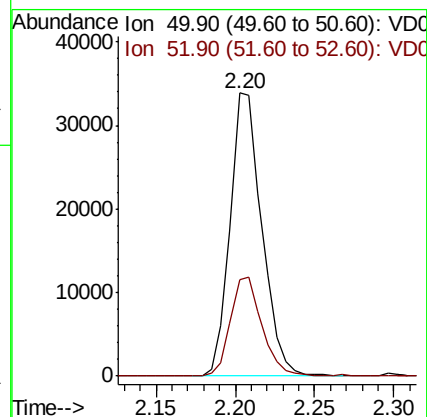
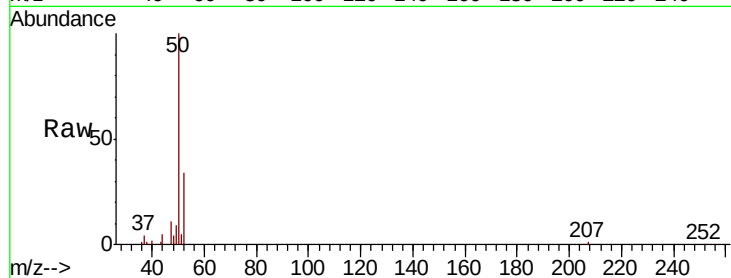
VD1013SBS01

Tot Ion: 50 Resp: 47119

Ion Ratio Lower Upper

50 100

52 34.1 27.1 40.7



#4

Vinyl Chloride

Concen: 20.847 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD067251.D

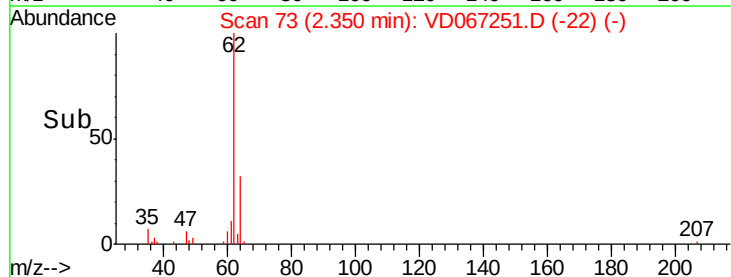
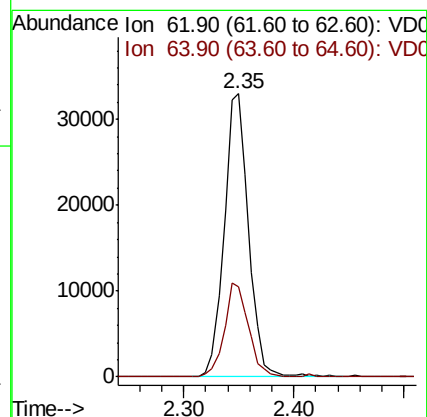
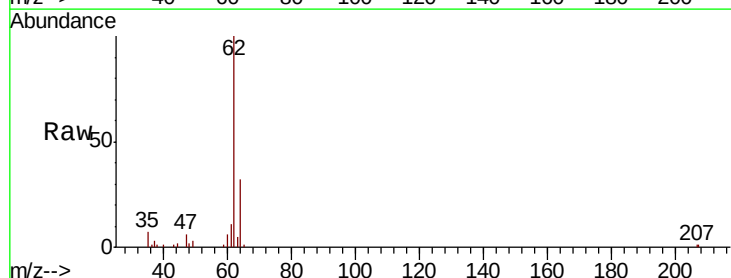
Acq: 13 Oct 2020 14:47

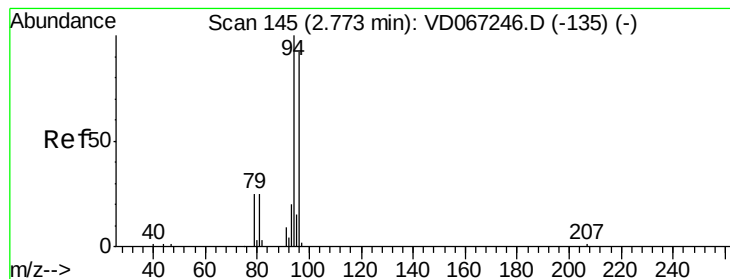
Tgt Ion: 62 Resp: 50484

Ion Ratio Lower Upper

62 100

64 31.6 27.4 41.0





#5

Bromomethane

Concen: 20.401 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD067251.D

Acq: 13 Oct 2020 14:47

Instrument :

MSVOA_D

ClientSampleId :

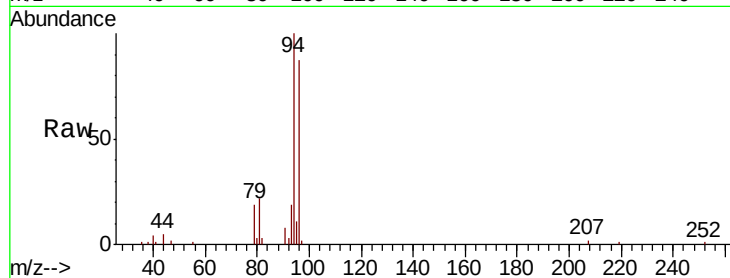
VD1013SBS01

Tot Ion: 94 Resp: 36722

Ion Ratio Lower Upper

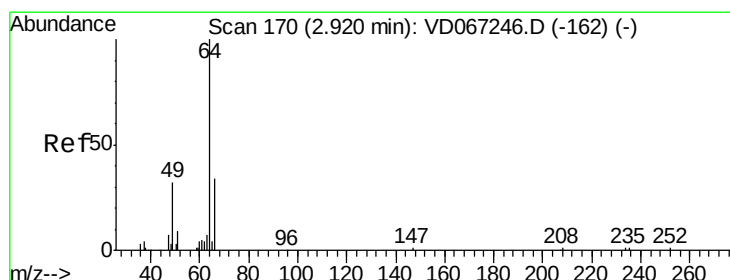
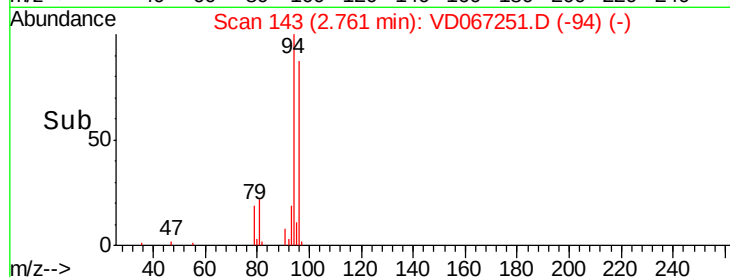
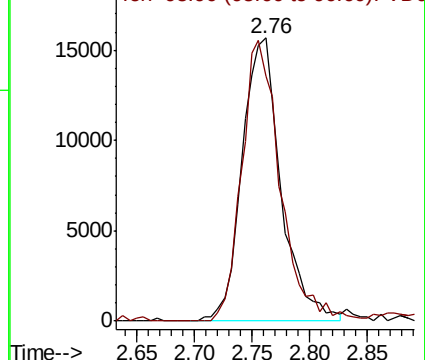
94 100

96 86.7 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: 19.617 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD067251.D

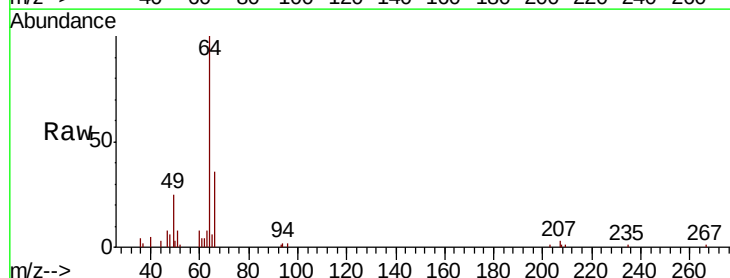
Acq: 13 Oct 2020 14:47

Tgt Ion: 64 Resp: 29585

Ion Ratio Lower Upper

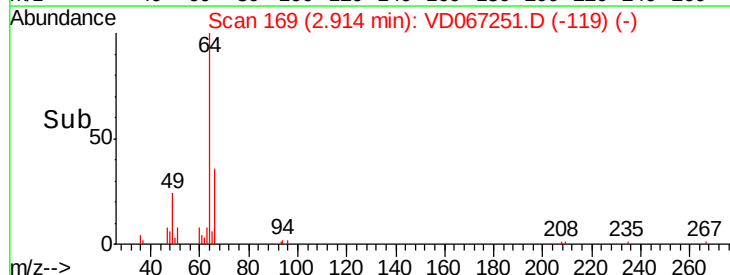
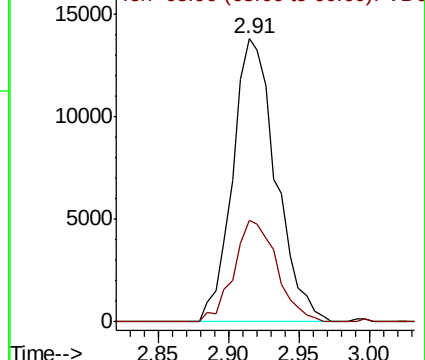
64 100

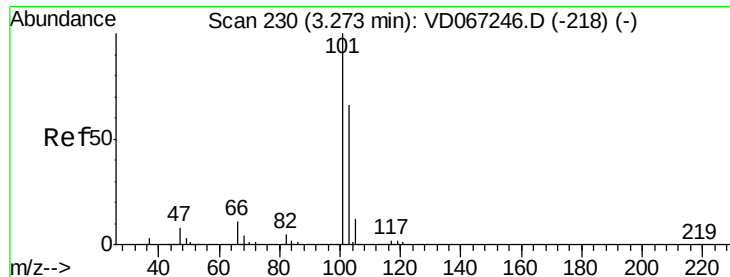
66 35.9 27.4 41.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



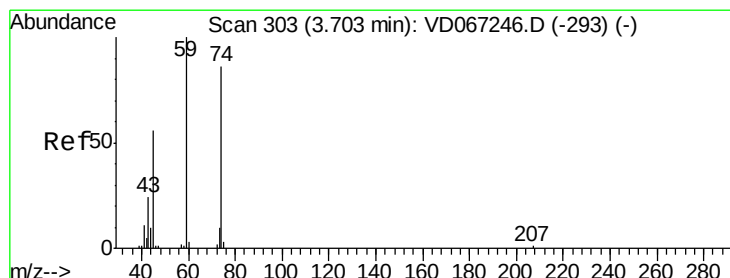
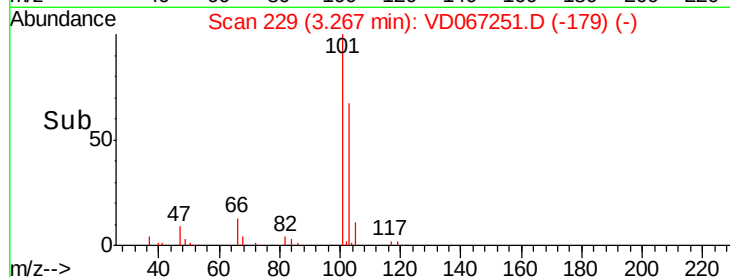
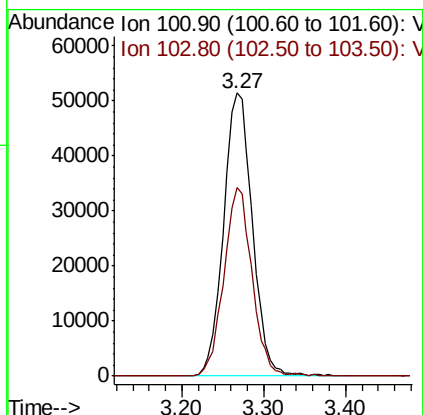
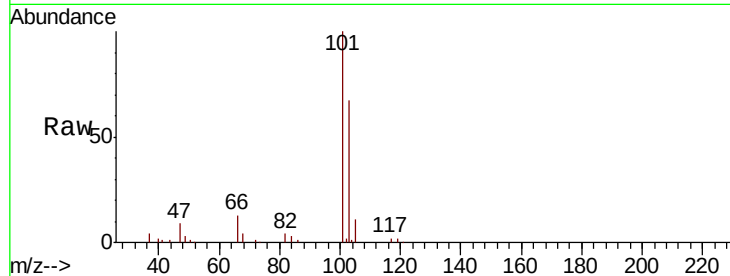


#7

Trichlorofluoromethane
 Concen: 20.716 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD067251.D
 Acq: 13 Oct 2020 14:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1013SBS01

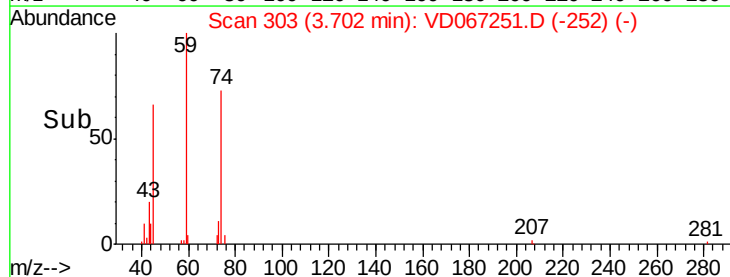
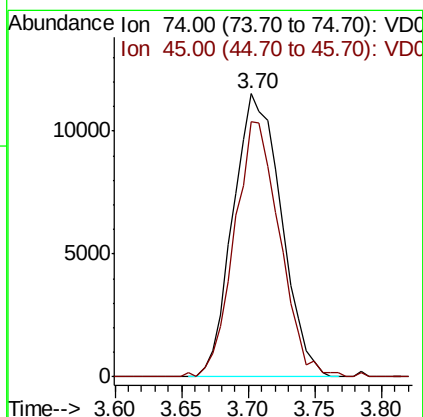
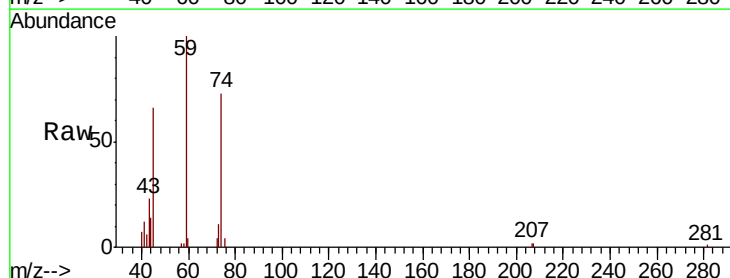
Tot Ion:101 Resp: 126320
 Ion Ratio Lower Upper
 101 100
 103 66.6 53.1 79.7

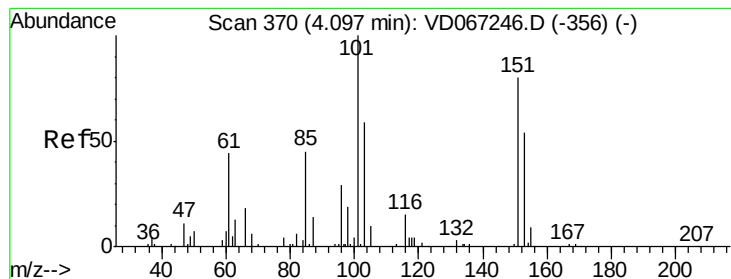


#8

Diethyl Ether
 Concen: 20.677 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.00 min
 Lab File: VD067251.D
 Acq: 13 Oct 2020 14:47

Tgt Ion: 74 Resp: 28852
 Ion Ratio Lower Upper
 74 100
 45 84.8 37.0 111.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.335 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD067251.D

Acq: 13 Oct 2020 14:47

Instrument :

MSVOA_D

ClientSampleId :

VD1013SBS01

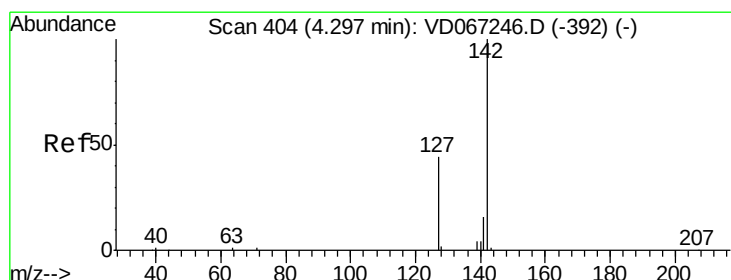
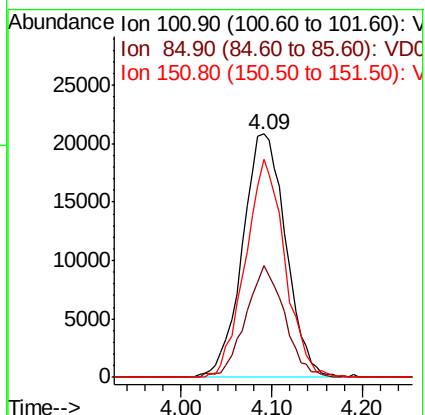
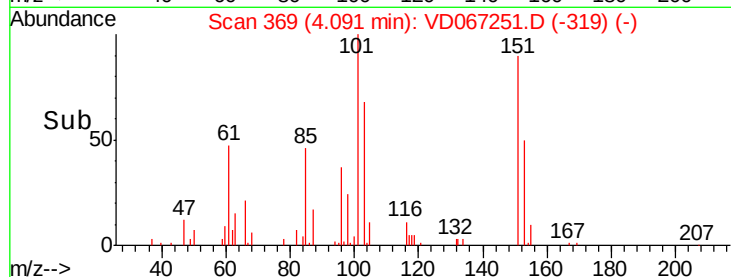
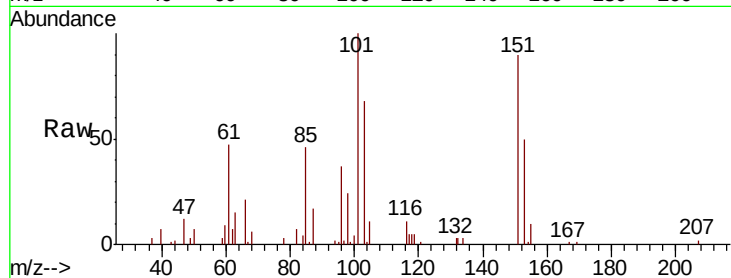
Tot Ion:101 Resp: 69120

Ion Ratio Lower Upper

101 100

85 41.2 34.2 51.4

151 81.7 66.3 99.5



#10

Methyl Iodide

Concen: 18.389 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.00 min

Lab File: VD067251.D

Acq: 13 Oct 2020 14:47

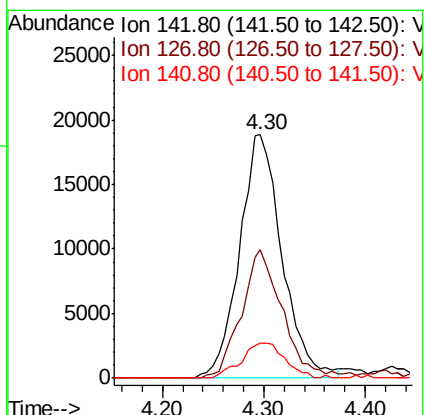
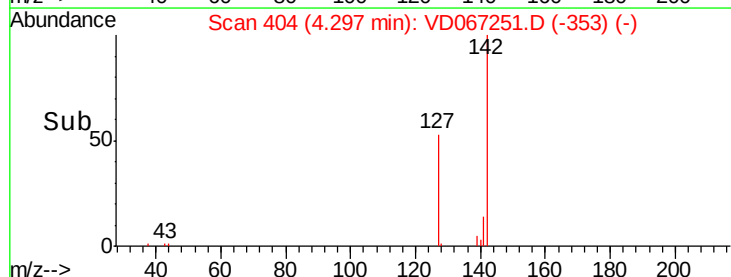
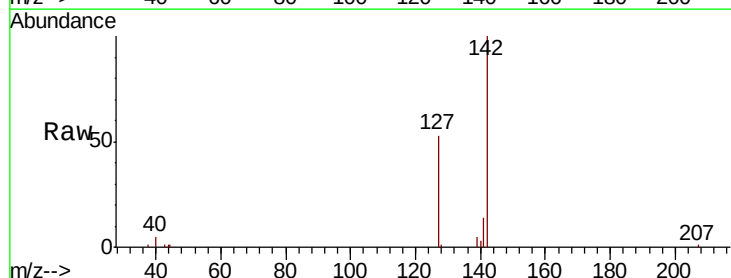
Tgt Ion:142 Resp: 54957

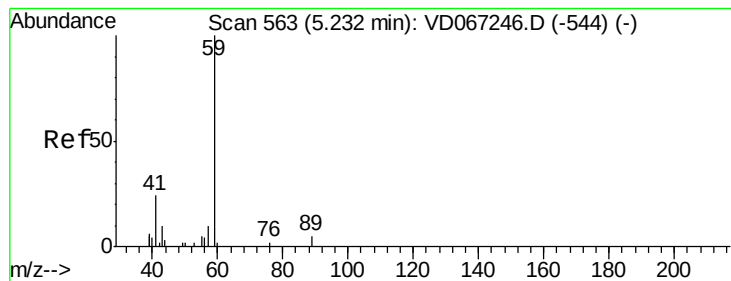
Ion Ratio Lower Upper

142 100

127 51.2 38.4 57.6

141 14.8 11.6 17.4





#11

Tert butyl alcohol

Concen: 31.785 ug/l

RT: 5.19 min Scan# 556

Delta R.T. -0.04 min

Lab File: VD067251.D

Acq: 13 Oct 2020 14:47

Instrument :

MSVOA_D

ClientSampleId :

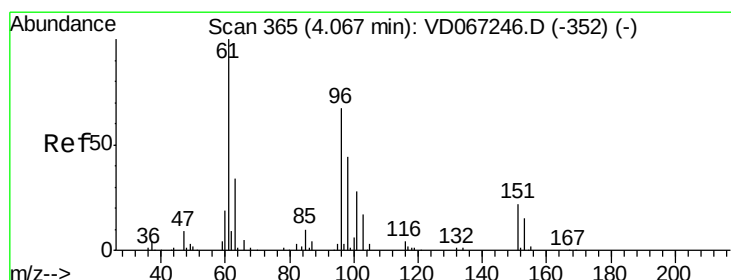
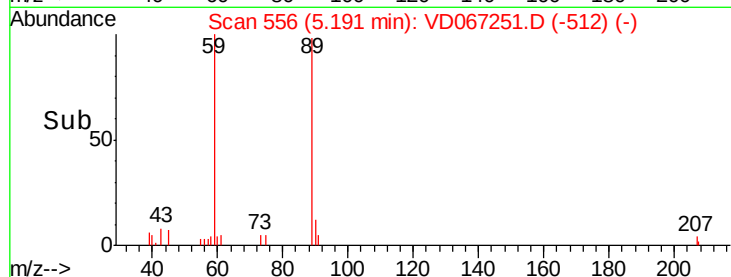
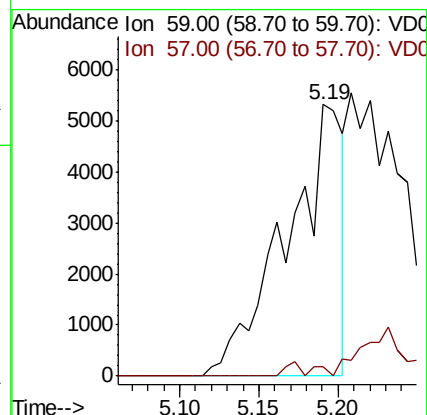
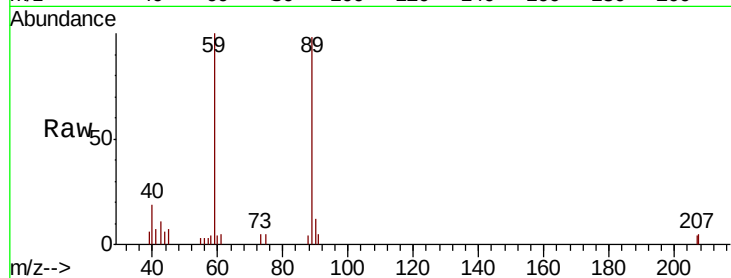
VD1013SBS01

Tot Ion: 59 Resp: 13076

Ion Ratio Lower Upper

59 100

57 0.0 5.1 7.7#



#12

1,1-Dichloroethene

Concen: 21.699 ug/l

RT: 4.06 min Scan# 364

Delta R.T. -0.01 min

Lab File: VD067251.D

Acq: 13 Oct 2020 14:47

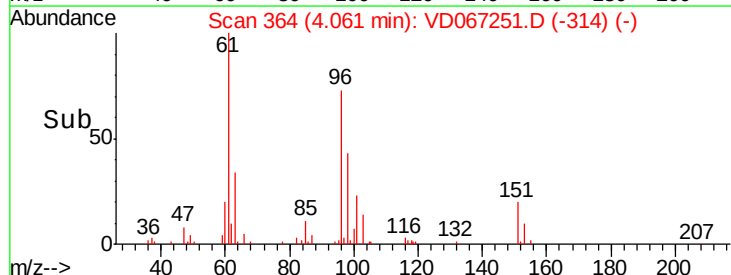
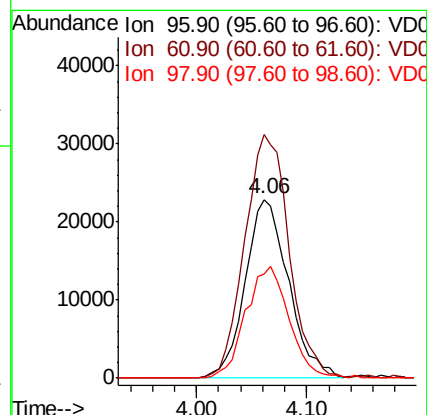
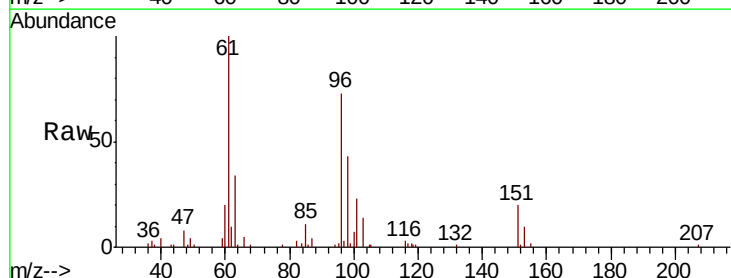
Tgt Ion: 96 Resp: 62805

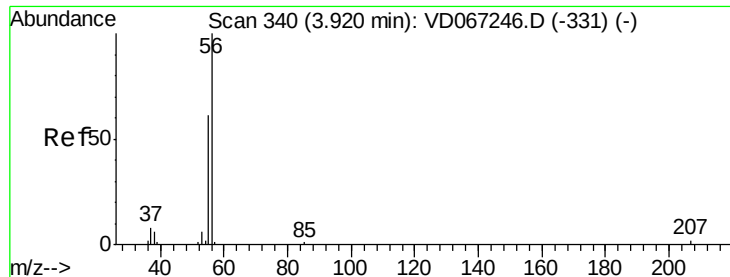
Ion Ratio Lower Upper

96 100

61 136.1 118.6 177.8

98 58.3 51.8 77.6





#13

Acrolein

Concen: 89.510 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD067251.D

Acq: 13 Oct 2020 14:47

Instrument :

MSVOA_D

ClientSampleId :

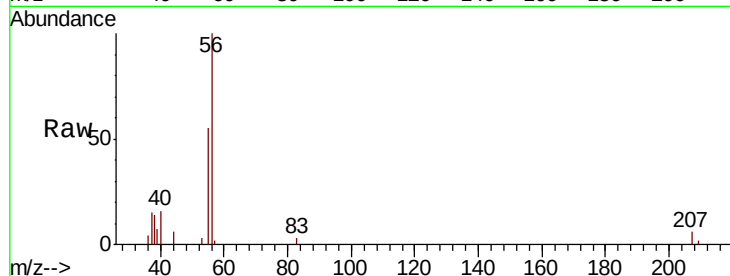
VD1013SBS01

Tot Ion: 56 Resp: 15598

Ion Ratio Lower Upper

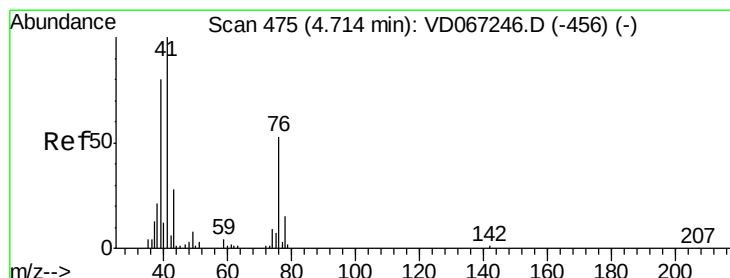
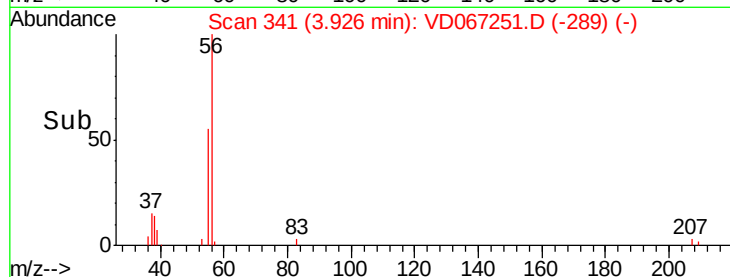
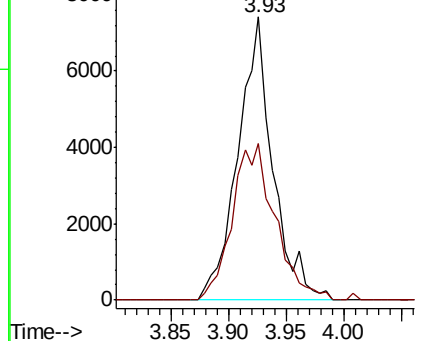
56 100

55 67.4 56.0 84.0



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.956 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD067251.D

Acq: 13 Oct 2020 14:47

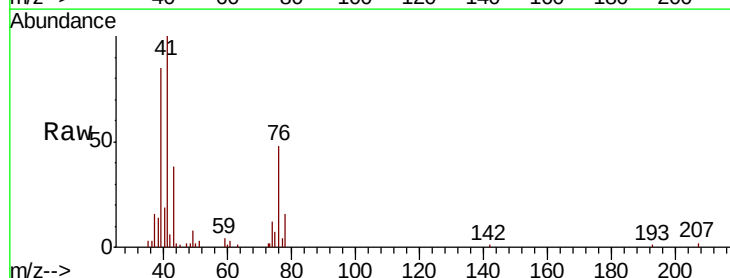
Tgt Ion: 41 Resp: 69458

Ion Ratio Lower Upper

41 100

39 79.7 63.8 95.6

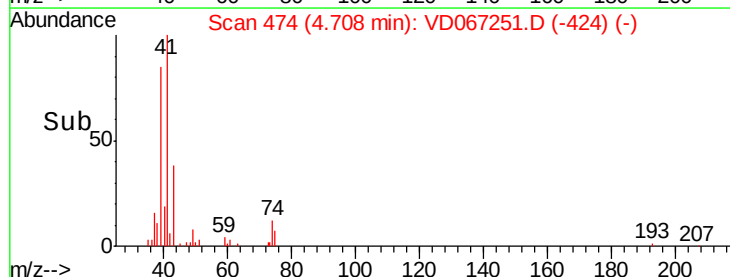
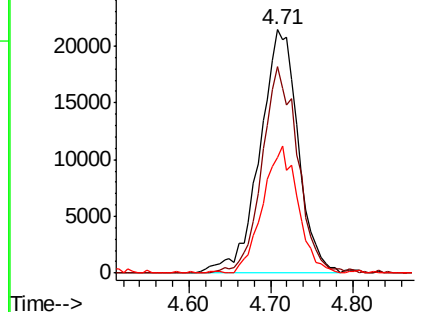
76 47.9 40.4 60.6

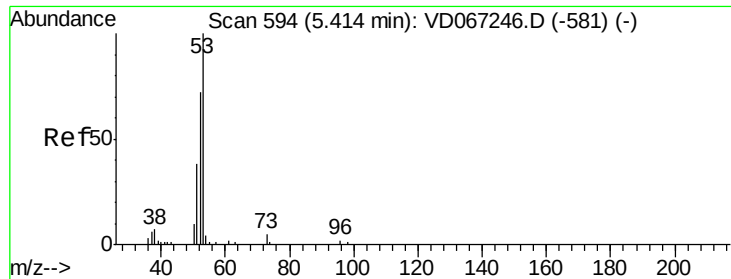


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 106.805 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD067251.D

Acq: 13 Oct 2020 14:47

Instrument :

MSVOA_D

ClientSampleId :

VD1013SBS01

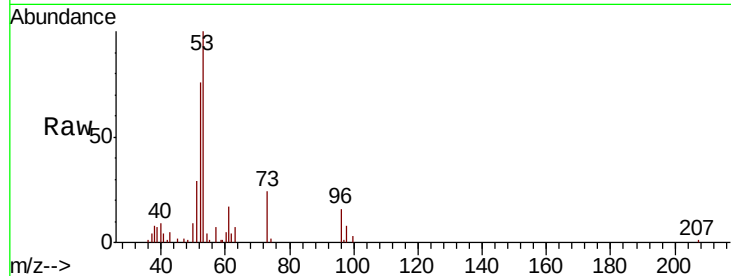
Tot Ion: 53 Resp: 49727

Ion Ratio Lower Upper

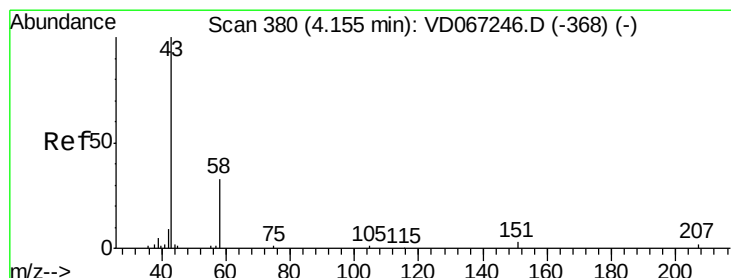
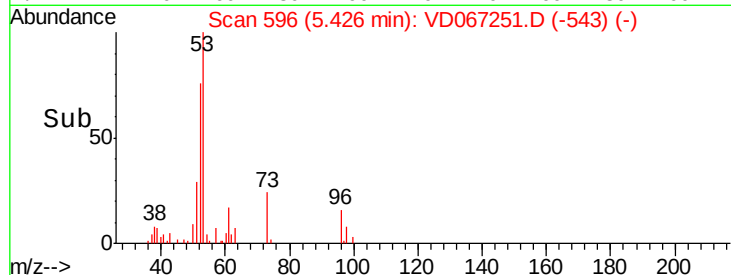
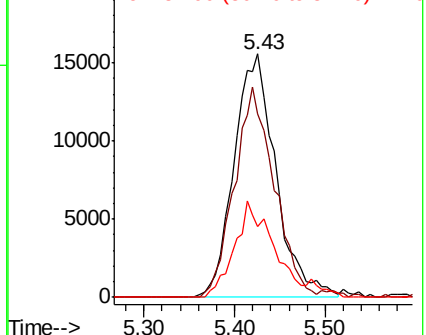
53 100

52 82.3 65.6 98.4

51 36.8 30.8 46.2



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 102.097 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD067251.D

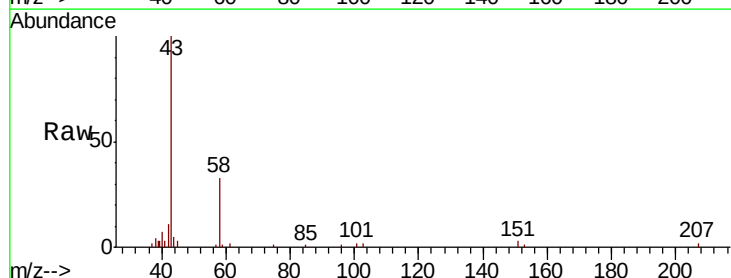
Acq: 13 Oct 2020 14:47

Tgt Ion: 43 Resp: 50237

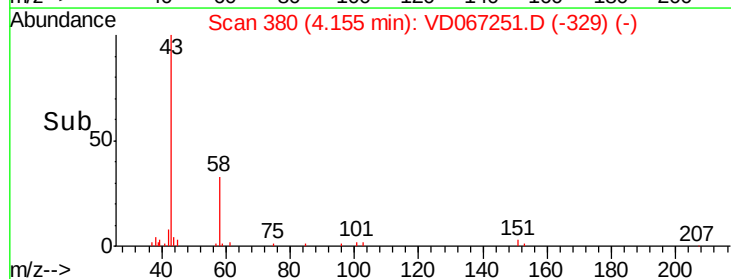
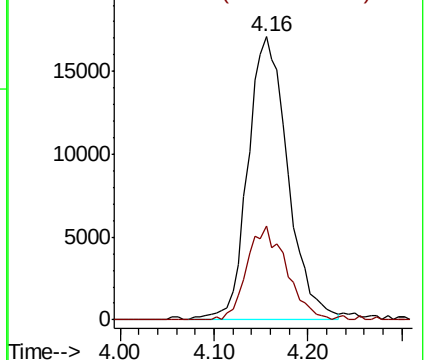
Ion Ratio Lower Upper

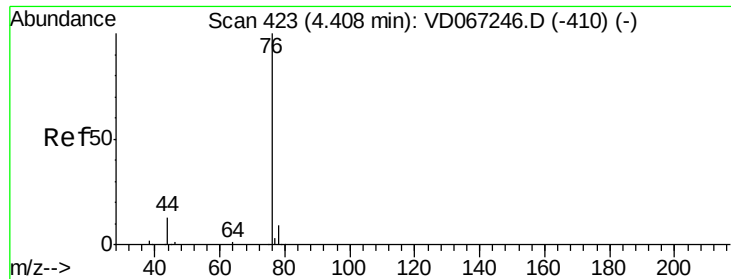
43 100

58 33.0 26.1 39.1



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

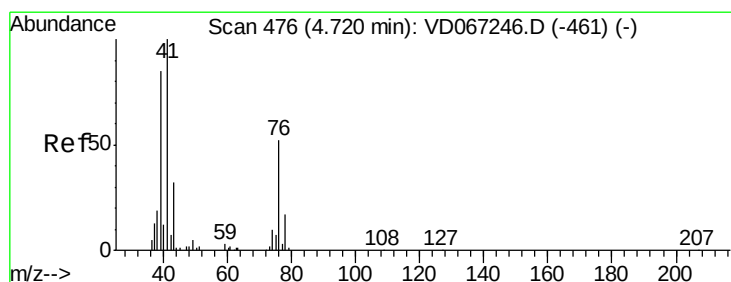
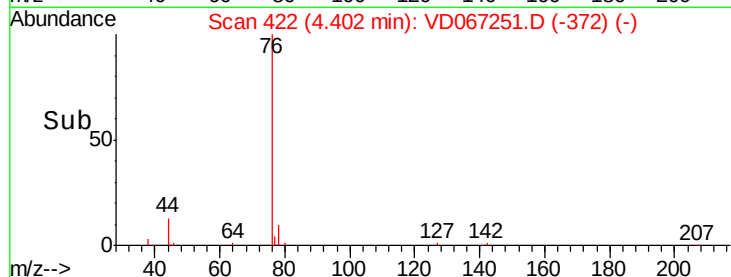
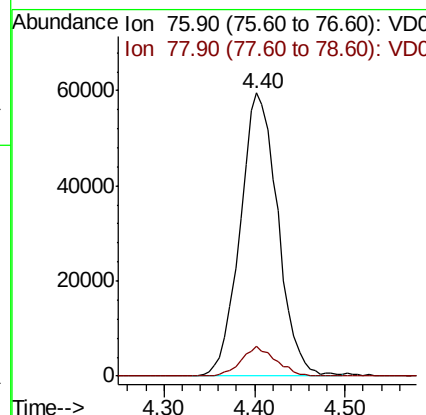
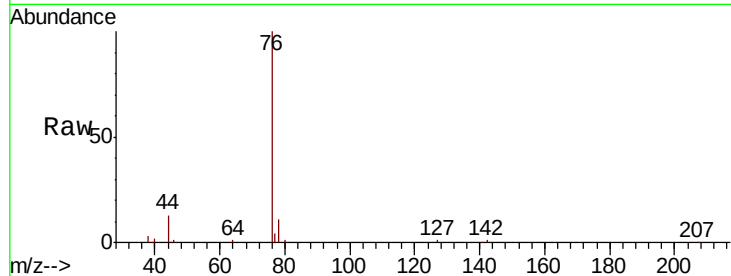




#17
Carbon Disulfide
Concen: 20.775 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.01 min
Lab File: VD067251.D
Acq: 13 Oct 2020 14:47

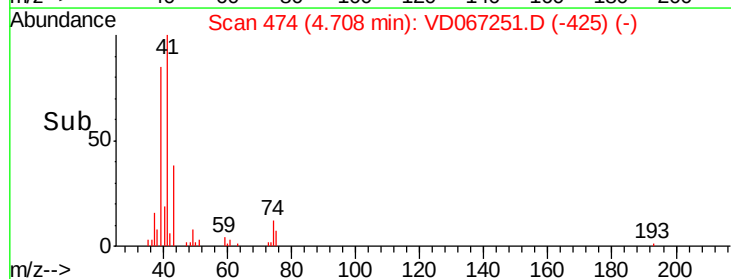
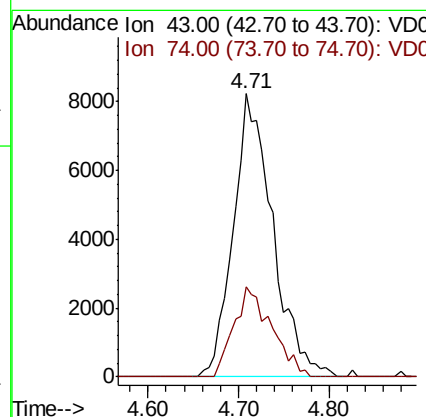
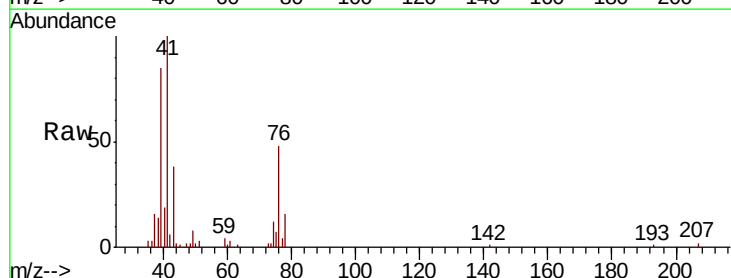
Instrument :
MSVOA_D
ClientSampleId :
VD1013SBS01

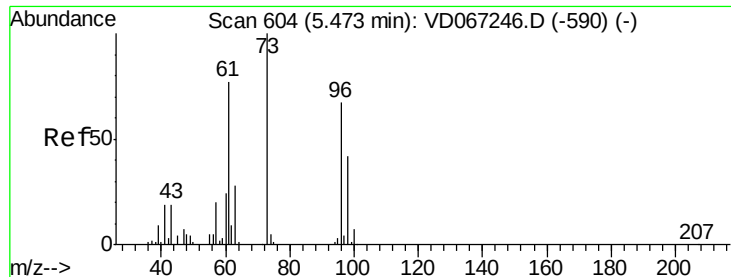
Tot Ion: 76 Resp: 171415
Ion Ratio Lower Upper
76 100
78 10.7 7.4 11.0



#18
Methyl Acetate
Concen: 22.135 ug/l
RT: 4.71 min Scan# 474
Delta R.T. -0.01 min
Lab File: VD067251.D
Acq: 13 Oct 2020 14:47

Tgt Ion: 43 Resp: 24842
Ion Ratio Lower Upper
43 100
74 30.5 26.6 39.8

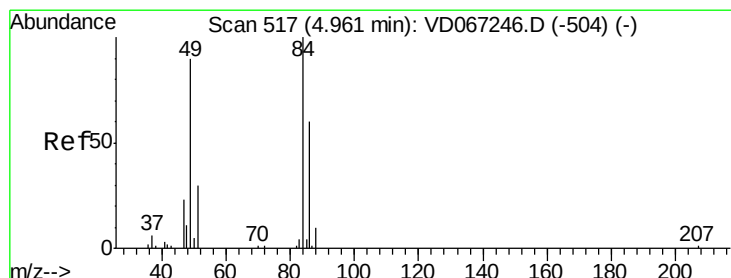
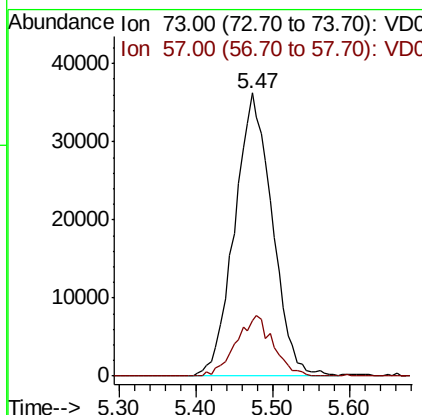
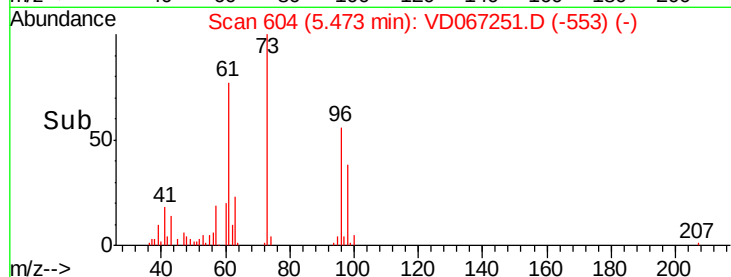
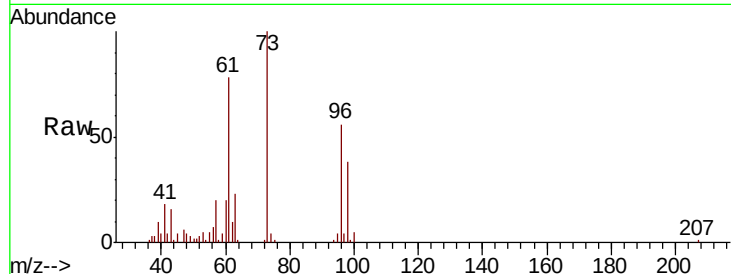




#19
Methyl tert-butyl Ether
Concen: 21.515 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.00 min
Lab File: VD067251.D
Acq: 13 Oct 2020 14:47

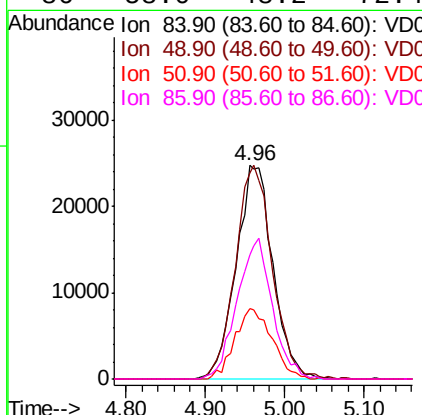
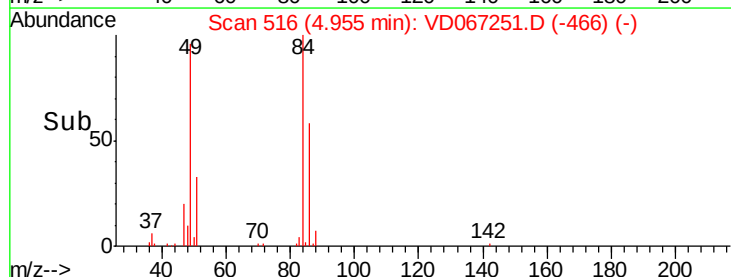
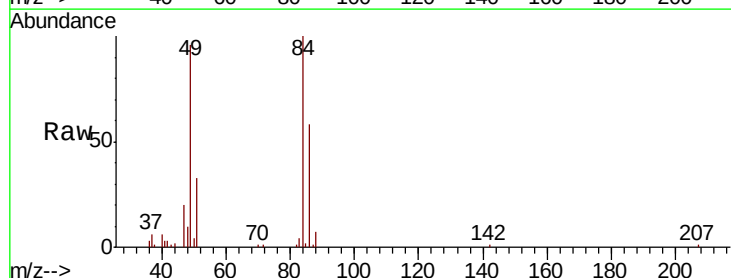
Instrument :
MSVOA_D
ClientSampleId :
VD1013SBS01

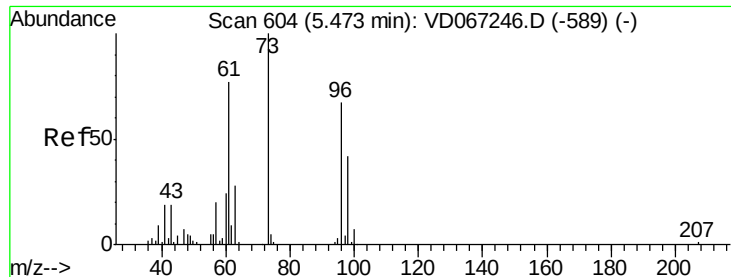
Tot Ion: 73 Resp: 123821
Ion Ratio Lower Upper
73 100
57 19.8 15.7 23.5



#20
Methylene Chloride
Concen: 22.854 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD067251.D
Acq: 13 Oct 2020 14:47

Tgt Ion: 84 Resp: 79713
Ion Ratio Lower Upper
84 100
49 96.2 72.2 108.2
51 33.1 23.8 35.8
86 58.0 48.2 72.4





#21

trans-1,2-Dichloroethene

Concen: 20.809 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD067251.D

Acq: 13 Oct 2020 14:47

Instrument :

MSVOA_D

ClientSampleId :

VD1013SBS01

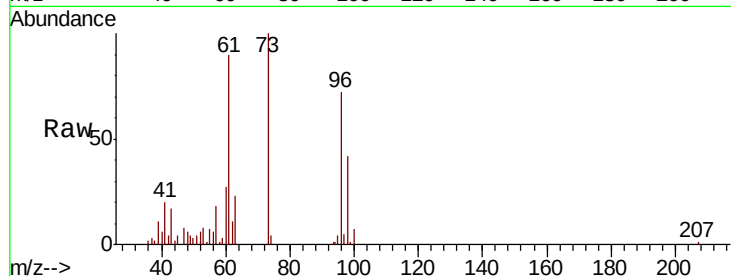
Tot Ion: 96 Resp: 69307

Ion Ratio Lower Upper

96 100

61 124.3 92.0 138.0

98 58.4 49.8 74.8

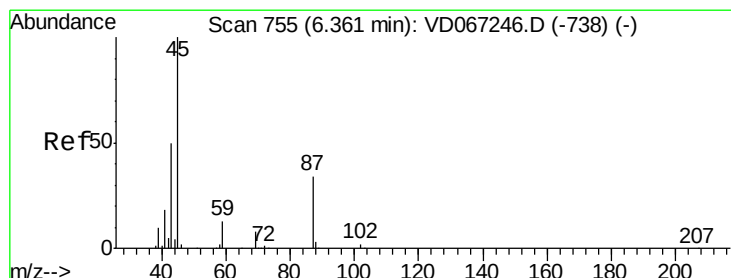
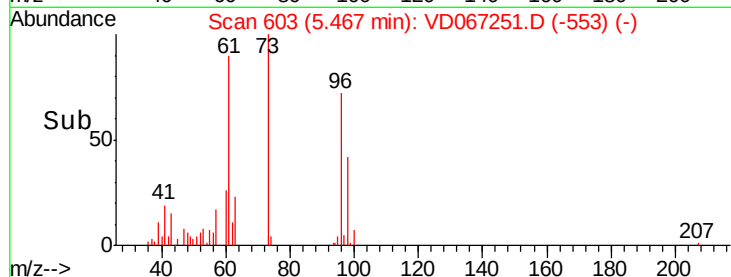
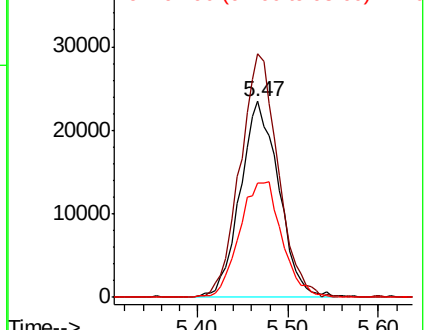


Abundance

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: 22.739 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.00 min

Lab File: VD067251.D

Acq: 13 Oct 2020 14:47

Tgt Ion: 45 Resp: 137684

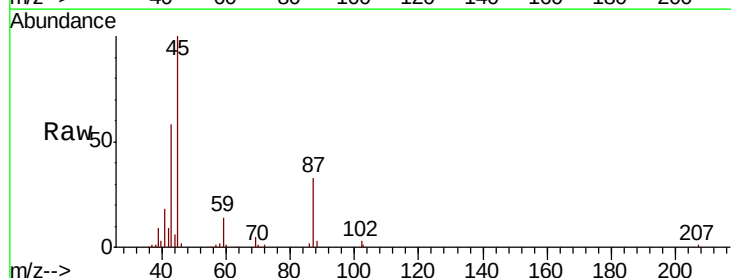
Ion Ratio Lower Upper

45 100

43 56.5 48.0 72.0

87 32.9 28.5 42.7

59 14.5 10.5 15.7



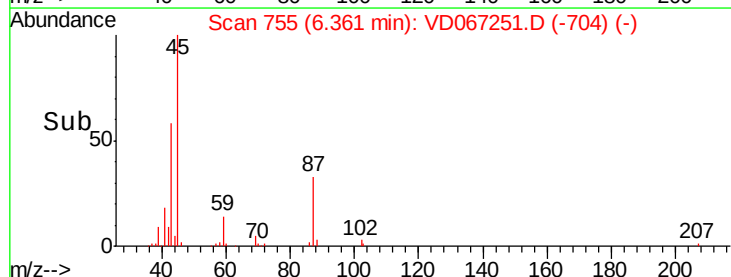
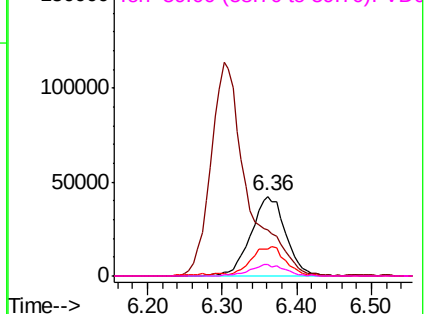
Abundance

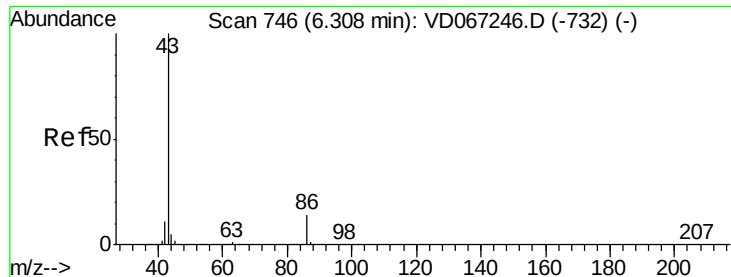
Ion 45.00 (44.70 to 45.70): VDC

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: 111.688 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD067251.D

Acq: 13 Oct 2020 14:47

Instrument :

MSVOA_D

ClientSampleId :

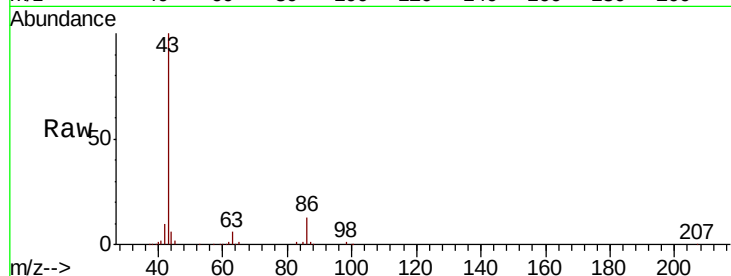
VD1013SBS01

Tot Ion: 43 Resp: 384735

Ion Ratio Lower Upper

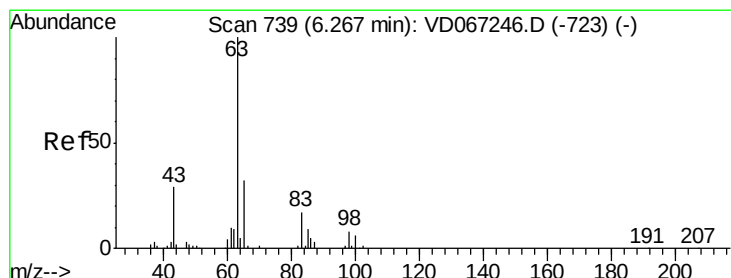
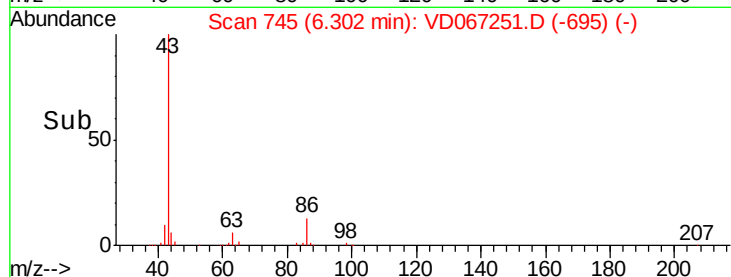
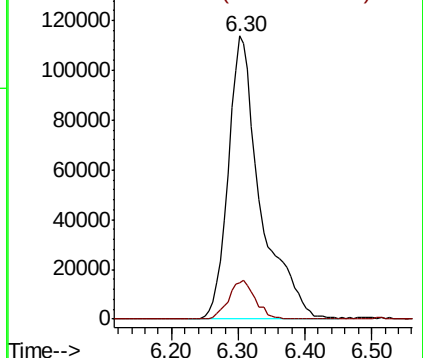
43 100

86 12.9 11.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.541 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD067251.D

Acq: 13 Oct 2020 14:47

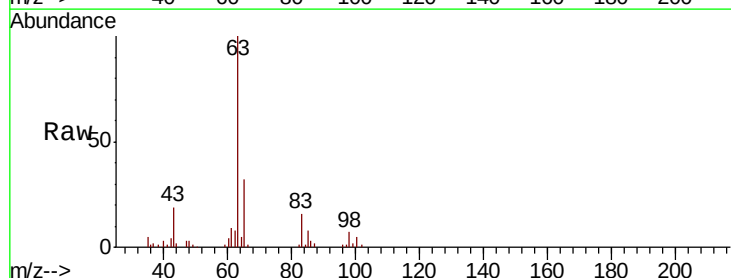
Tgt Ion: 63 Resp: 111649

Ion Ratio Lower Upper

63 100

98 7.2 4.0 12.2

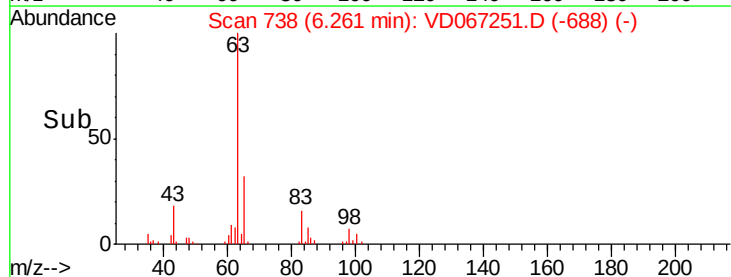
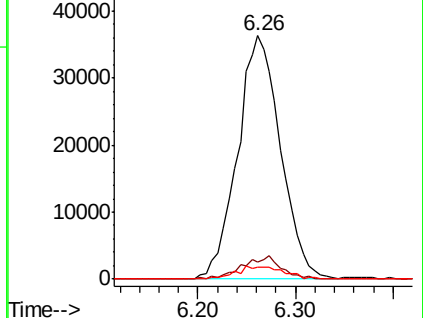
100 4.7 2.8 8.4

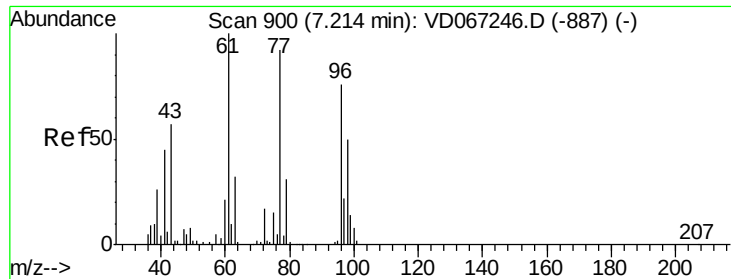


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 108.218 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067251.D

Acq: 13 Oct 2020 14:47

Instrument :

MSVOA_D

ClientSampleId :

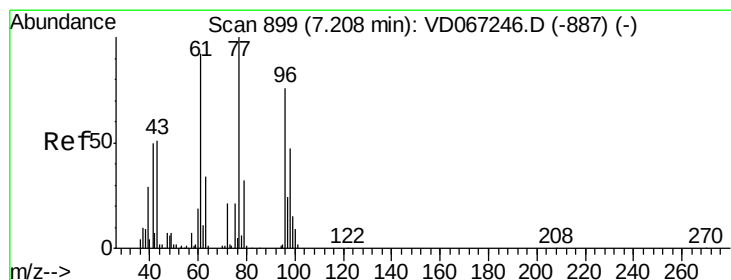
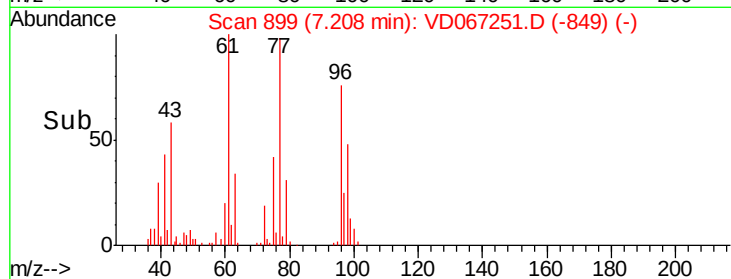
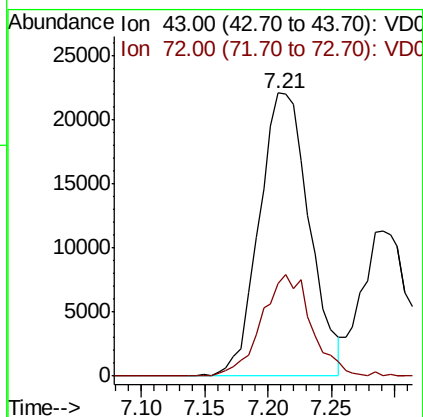
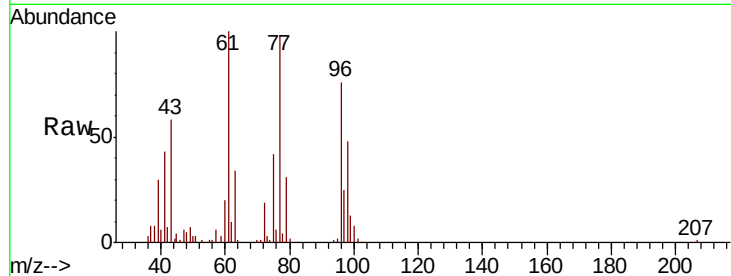
VD1013SBS01

Tot Ion: 43 Resp: 60698

Ion Ratio Lower Upper

43 100

72 32.8 23.7 35.5



#26

2,2-Dichloropropane

Concen: 20.264 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD067251.D

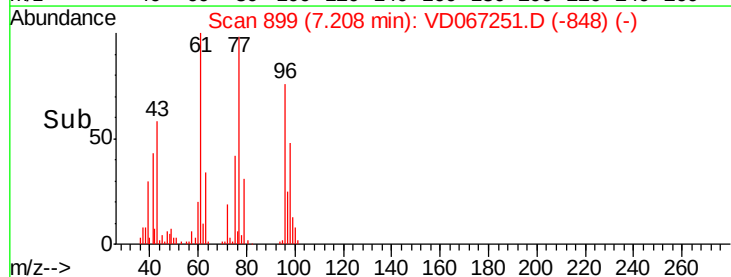
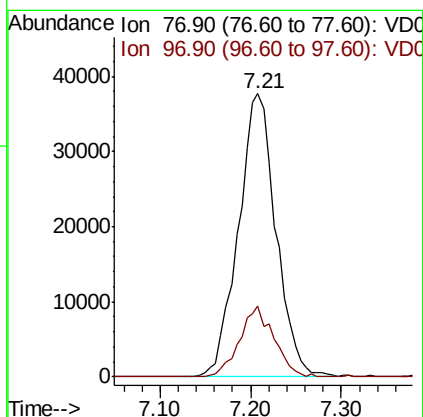
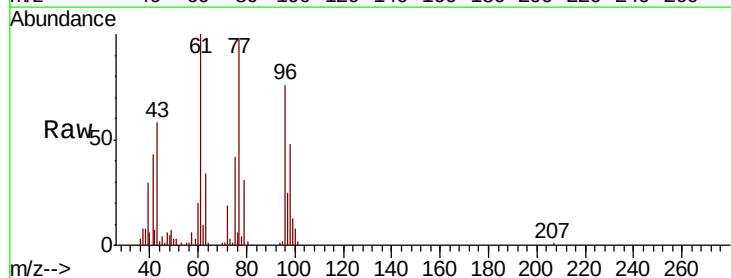
Acq: 13 Oct 2020 14:47

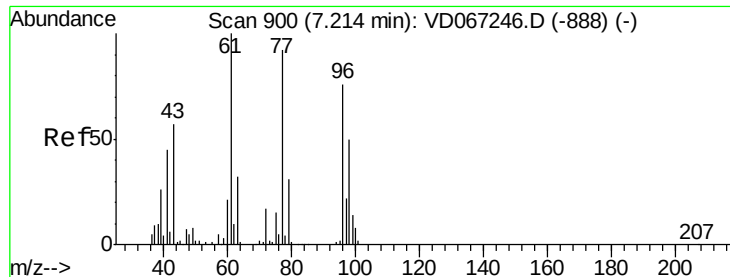
Tgt Ion: 77 Resp: 108257

Ion Ratio Lower Upper

77 100

97 22.8 11.4 34.2



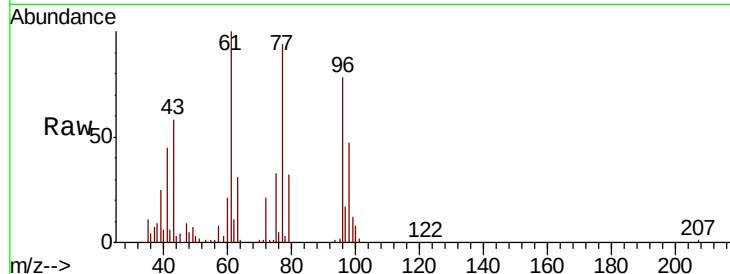


#27

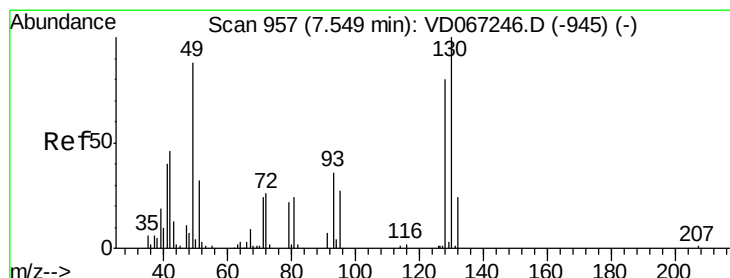
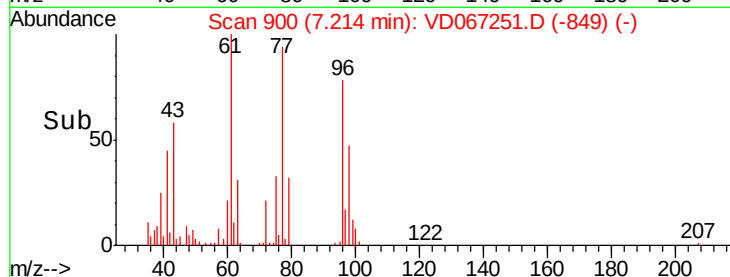
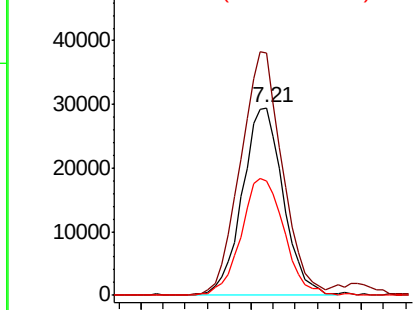
cis-1,2-Dichloroethene
 Concen: 20.993 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD067251.D
 Acq: 13 Oct 2020 14:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1013SBS01

Tot Ion: 96 Resp: 76632
 Ion Ratio Lower Upper
 96 100
 61 133.1 0.0 255.4
 98 65.1 0.0 128.0



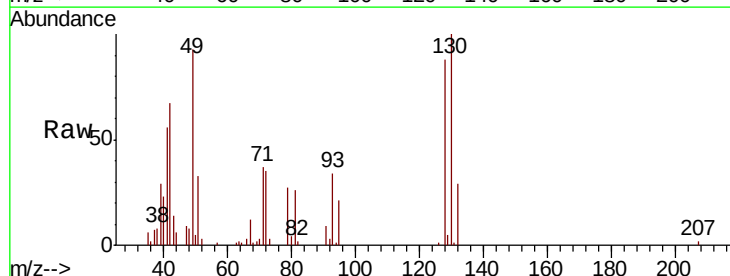
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



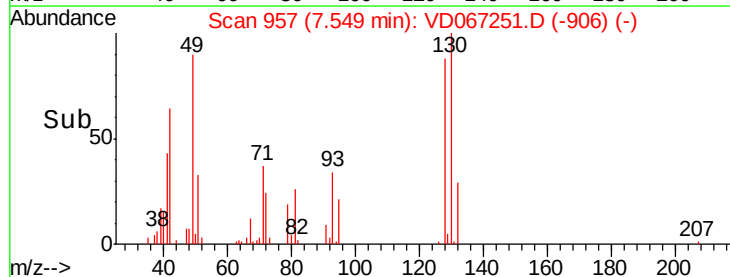
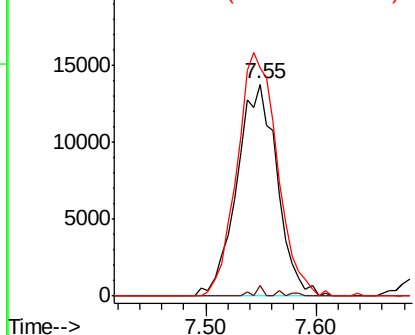
#28

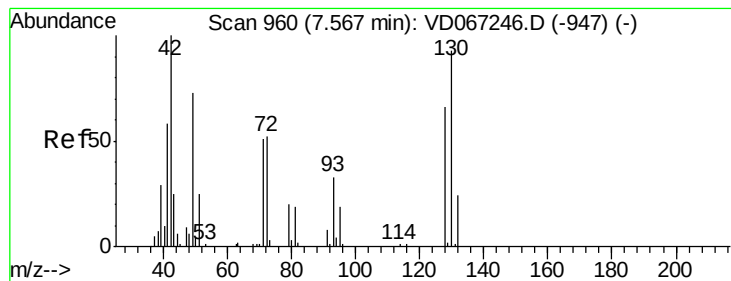
Bromochloromethane
 Concen: 19.913 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VD067251.D
 Acq: 13 Oct 2020 14:47

Tgt Ion: 49 Resp: 35204
 Ion Ratio Lower Upper
 49 100
 129 1.0 0.0 1.6
 130 115.4 91.0 136.6



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





#29

Tetrahydrofuran

Concen: 110.797 ug/l

RT: 7.56 min Scan# 958

Delta R.T. -0.01 min

Lab File: VD067251.D

Acq: 13 Oct 2020 14:47

Instrument :

MSVOA_D

ClientSampleId :

VD1013SBS01

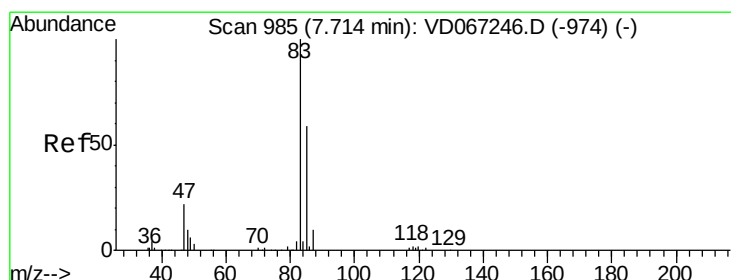
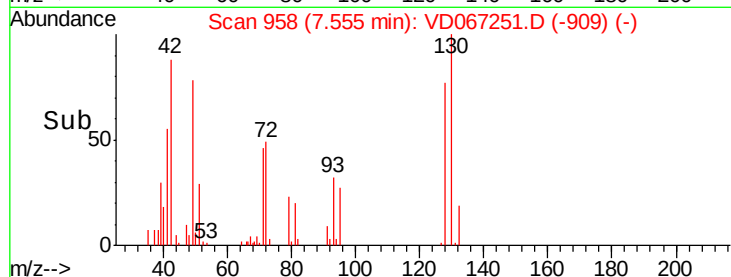
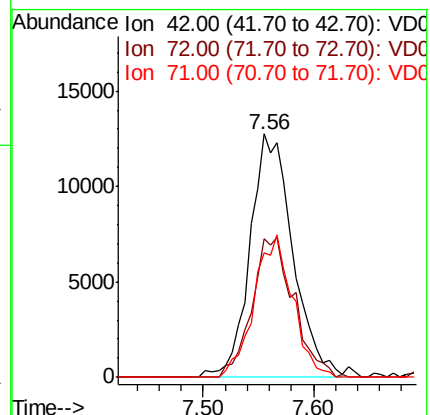
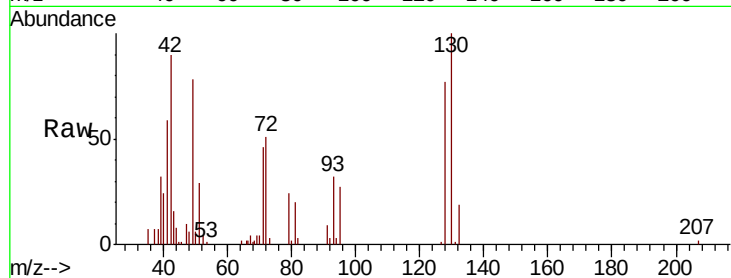
Tot Ion: 42 Resp: 34545

Ion Ratio Lower Upper

42 100

72 56.4 43.2 64.8

71 52.6 39.4 59.0



#30

Chloroform

Concen: 21.211 ug/l

RT: 7.71 min Scan# 984

Delta R.T. -0.01 min

Lab File: VD067251.D

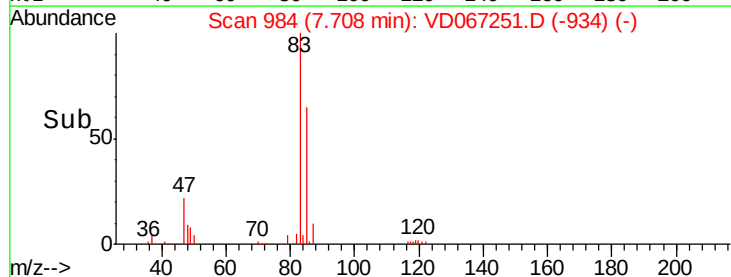
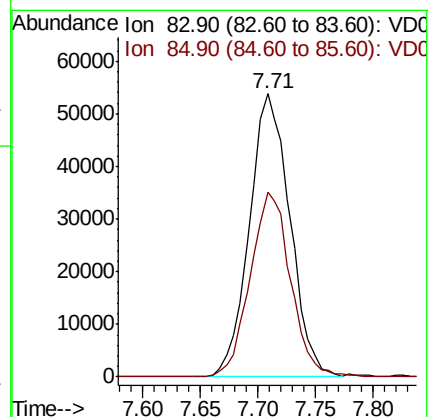
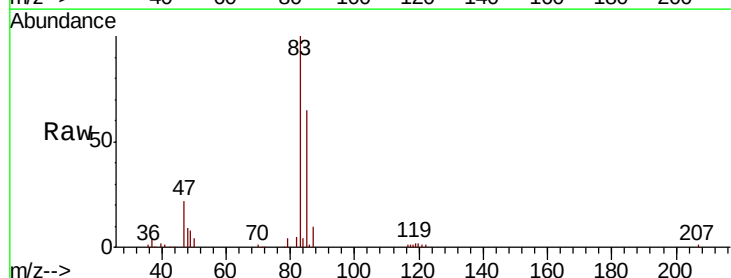
Acq: 13 Oct 2020 14:47

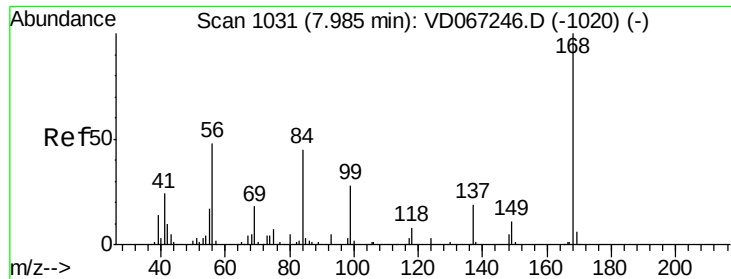
Tgt Ion: 83 Resp: 131329

Ion Ratio Lower Upper

83 100

85 65.1 47.3 70.9





#31

Cyclohexane

Concen: 20.570 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD067251.D

Acq: 13 Oct 2020 14:47

Instrument :

MSVOA_D

ClientSampleId :

VD1013SBS01

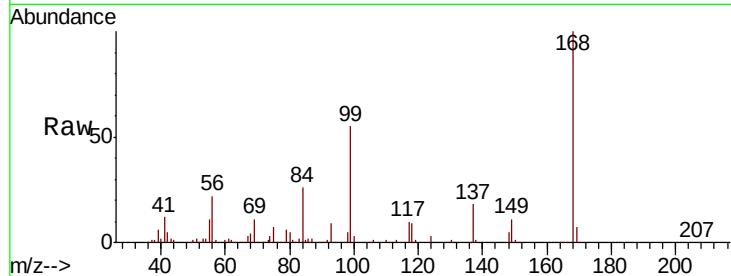
Tot Ion: 56 Resp: 83240

Ion Ratio Lower Upper

56 100

69 47.8 29.8 44.6#

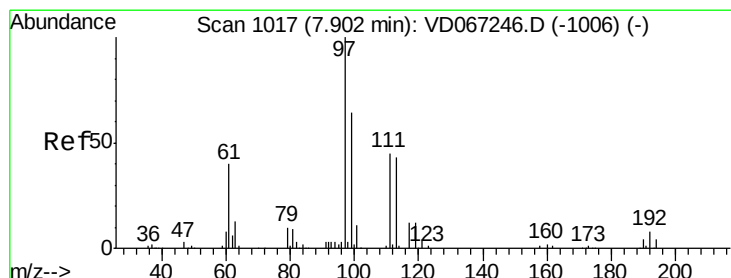
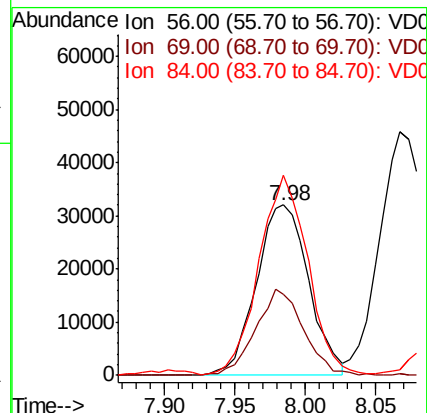
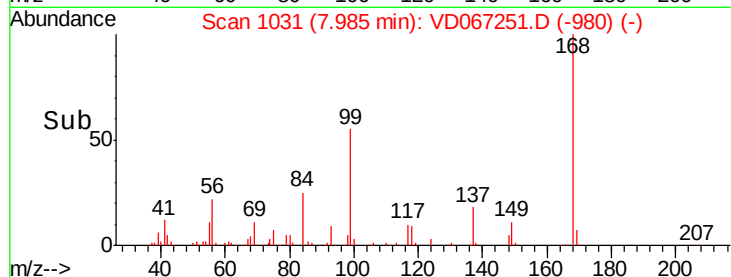
84 116.0 76.6 114.8#



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 20.886 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VD067251.D

Acq: 13 Oct 2020 14:47

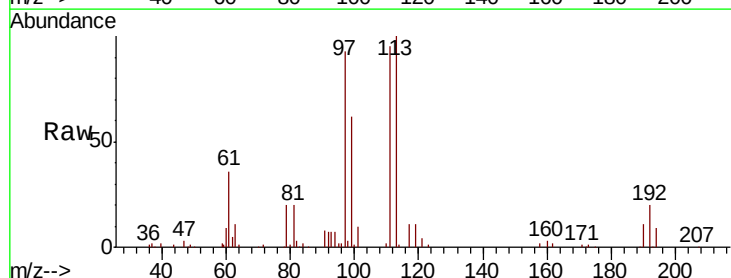
Tgt Ion: 97 Resp: 126883

Ion Ratio Lower Upper

97 100

99 64.6 50.2 75.4

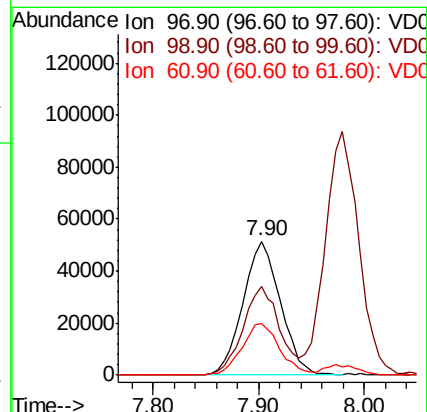
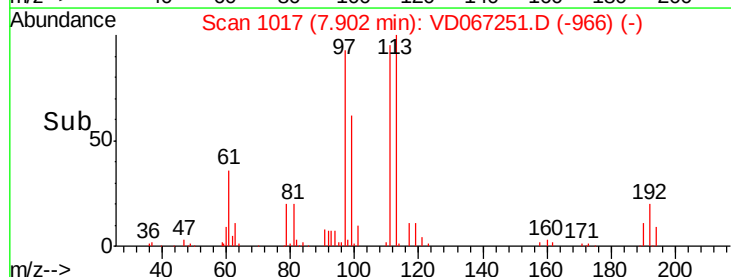
61 38.8 30.5 45.7

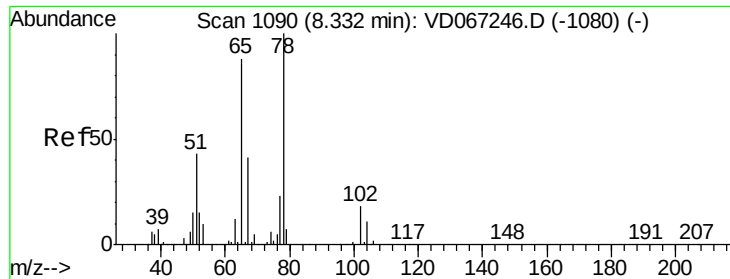


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 98.90 (98.60 to 99.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

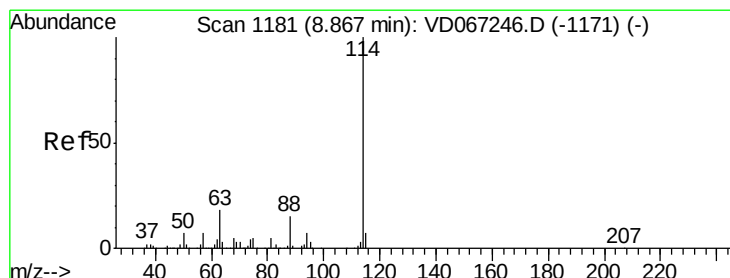
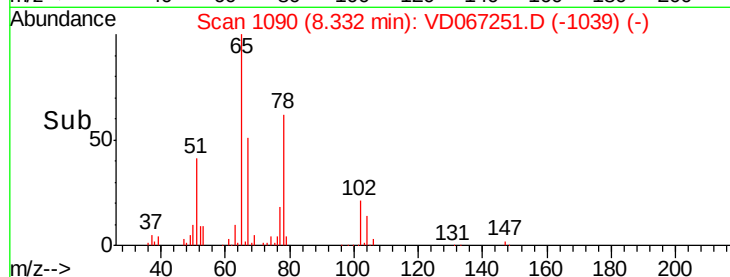
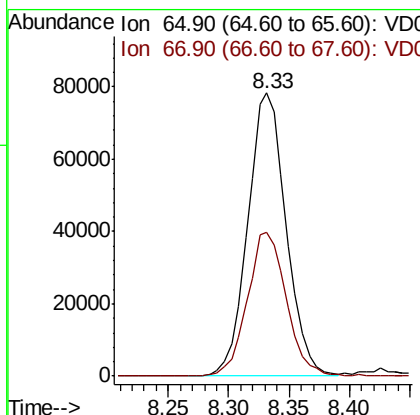
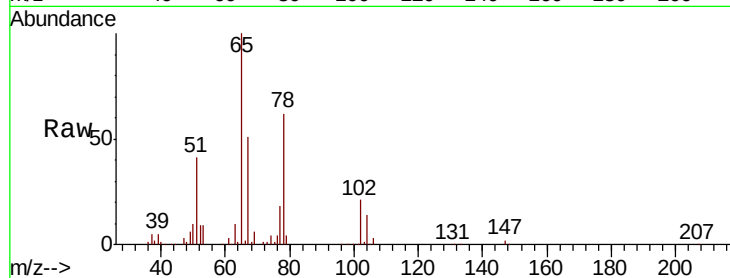




#33
 1,2-Dichloroethane-d4
 Concen: 49.355 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD067251.D
 Acq: 13 Oct 2020 14:47

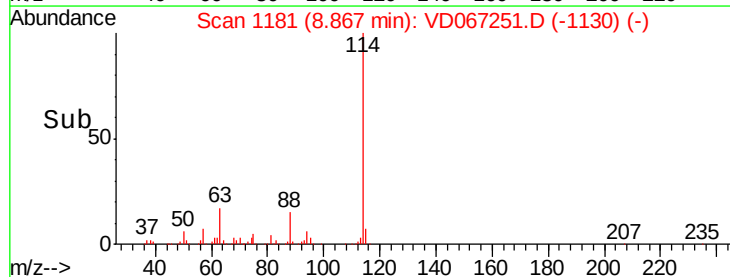
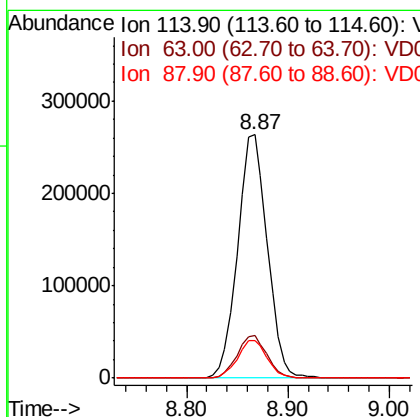
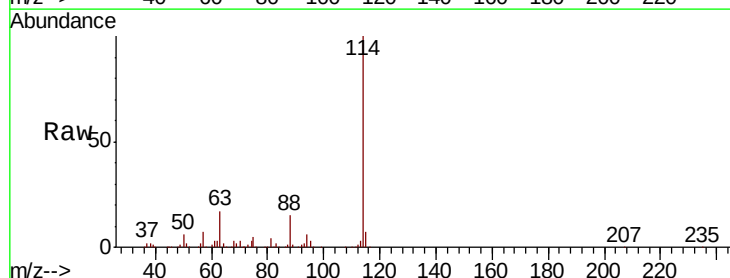
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1013SBS01

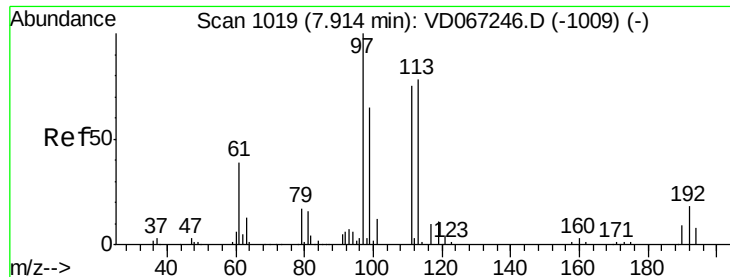
Tot Ion: 65 Resp: 173405
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD067251.D
 Acq: 13 Oct 2020 14:47

Tgt Ion: 114 Resp: 534927
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 35.0
 88 15.4 0.0 30.6

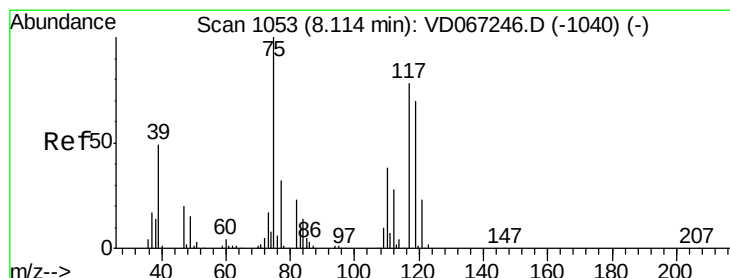
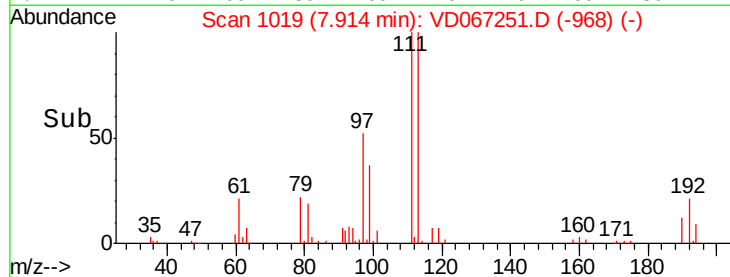
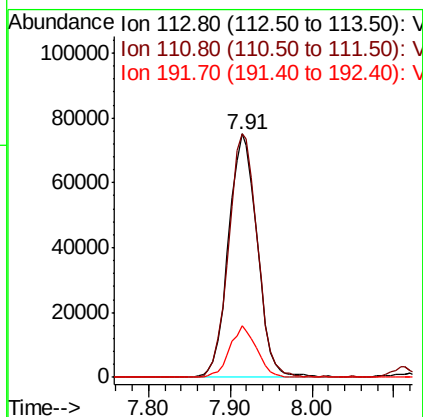
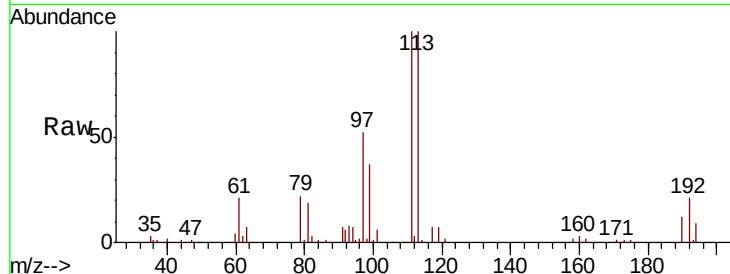




#35
 Dibromofluoromethane
 Concen: 51.433 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VD067251.D
 Acq: 13 Oct 2020 14:47

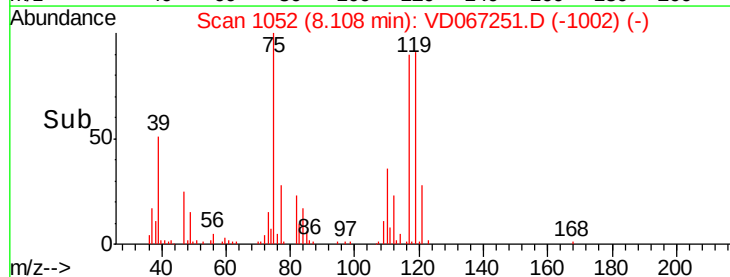
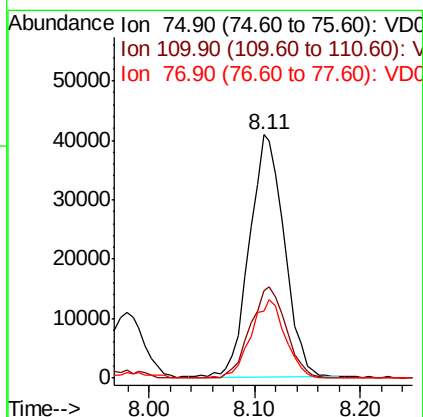
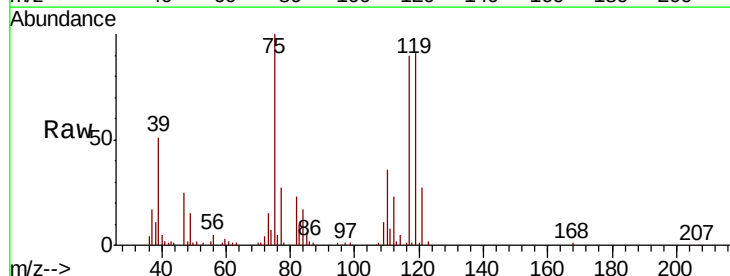
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1013SBS01

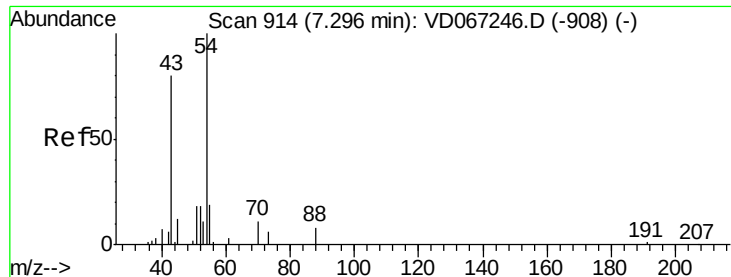
Tot Ion:113 Resp: 183099
 Ion Ratio Lower Upper
 113 100
 111 100.3 81.6 122.4
 192 19.8 17.0 25.4



#36
 1,1-Dichloropropene
 Concen: 20.611 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD067251.D
 Acq: 13 Oct 2020 14:47

Tgt Ion: 75 Resp: 93446
 Ion Ratio Lower Upper
 75 100
 110 38.7 19.6 58.7
 77 31.8 24.6 37.0

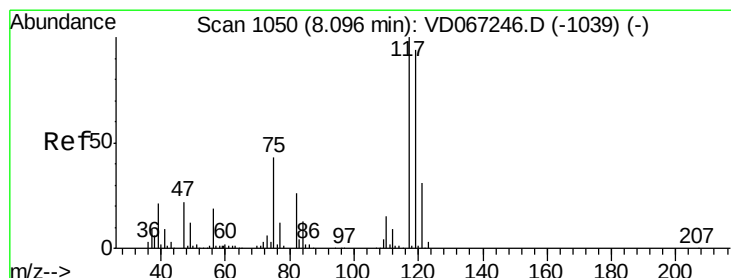
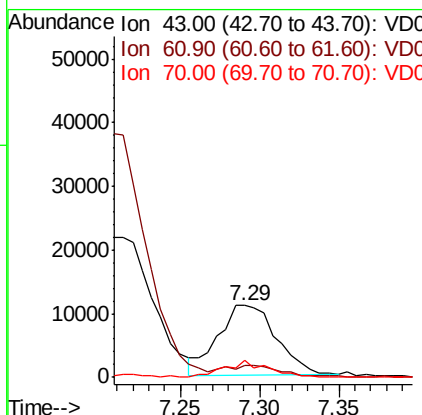
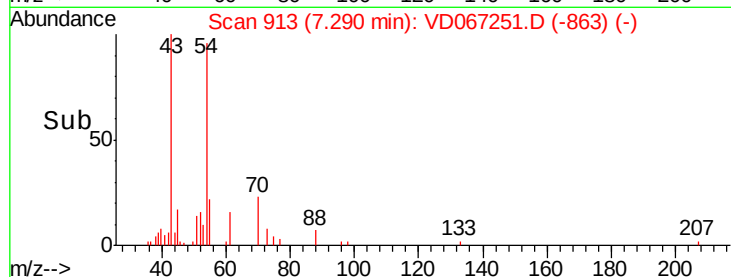
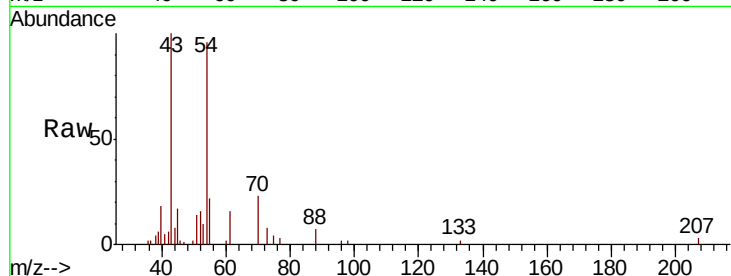




#37
Ethyl Acetate
Concen: 20.950 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067251.D
Acq: 13 Oct 2020 14:47

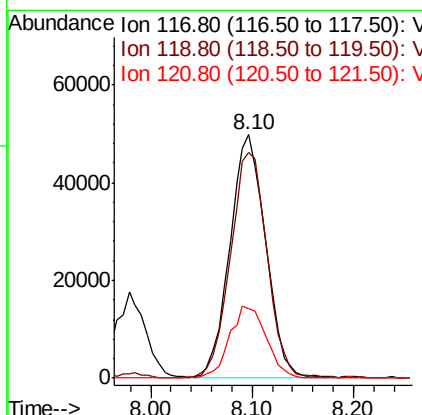
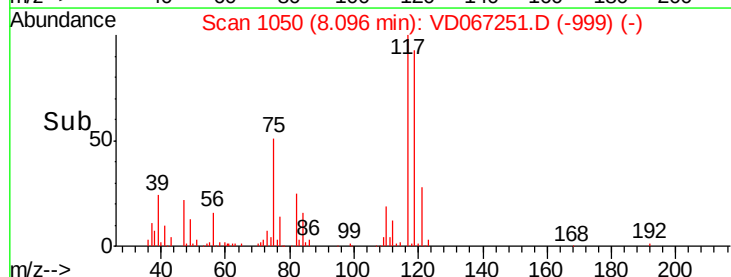
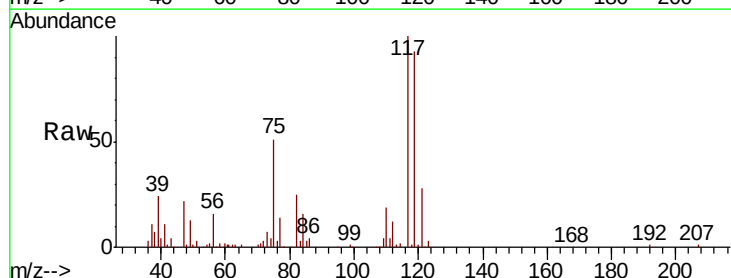
Instrument :
MSVOA_D
ClientSampleId :
VD1013SBS01

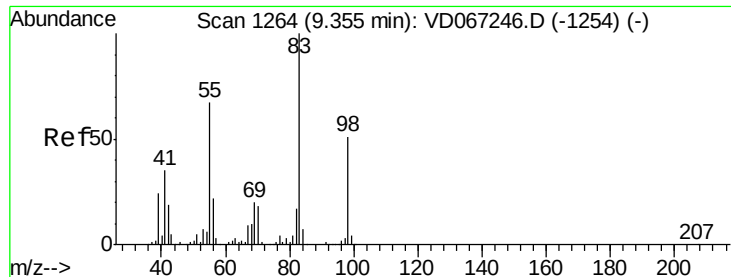
Tot Ion: 43 Resp: 27946
Ion Ratio Lower Upper
43 100
61 18.0 15.6 23.4
70 17.9 10.4 15.6#



#38
Carbon Tetrachloride
Concen: 20.916 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD067251.D
Acq: 13 Oct 2020 14:47

Tgt Ion: 117 Resp: 121200
Ion Ratio Lower Upper
117 100
119 93.1 75.0 112.4
121 28.4 24.9 37.3

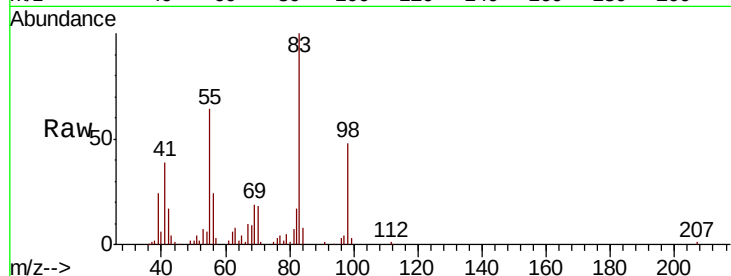




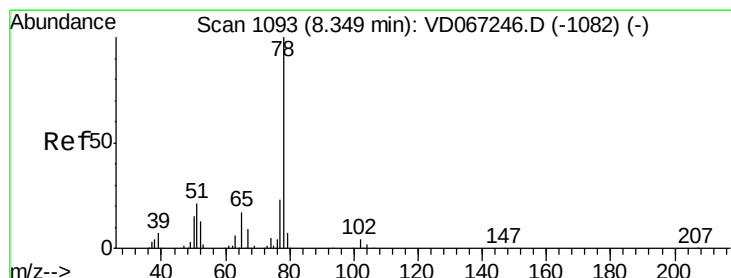
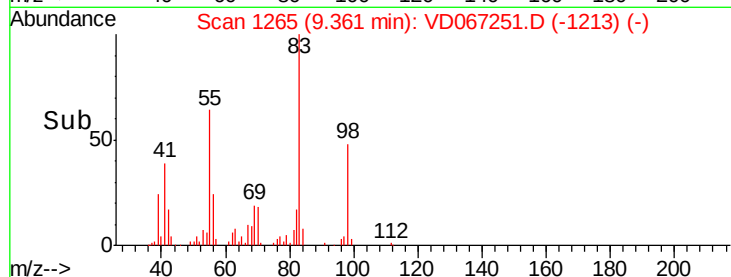
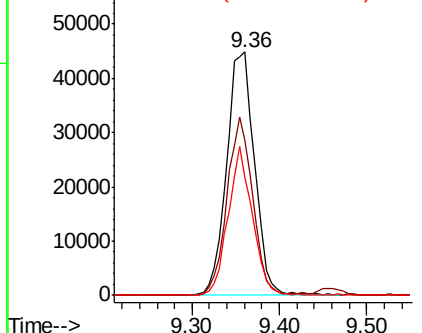
#39
Methylvlcyclohexane
Concen: 20.658 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD067251.D
Acq: 13 Oct 2020 14:47

Instrument :
MSVOA_D
ClientSampleId :
VD1013SBS01

Tot Ion: 83 Resp: 97917
Ion Ratio Lower Upper
83 100
55 63.7 53.3 79.9
98 48.3 41.0 61.4

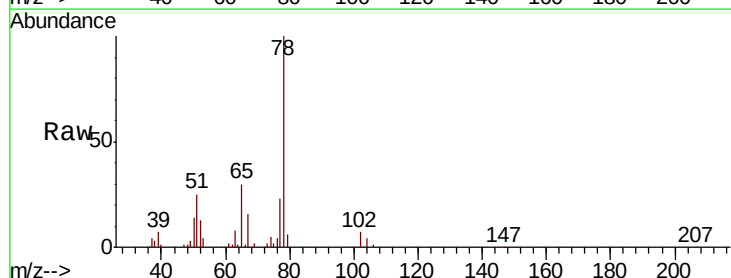


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

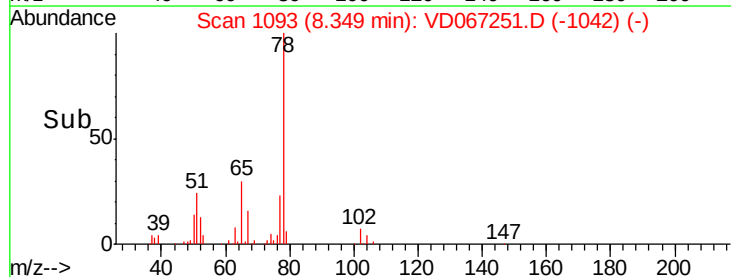
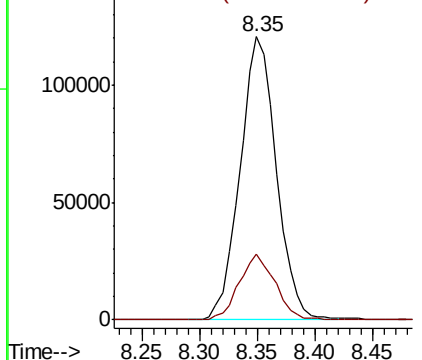


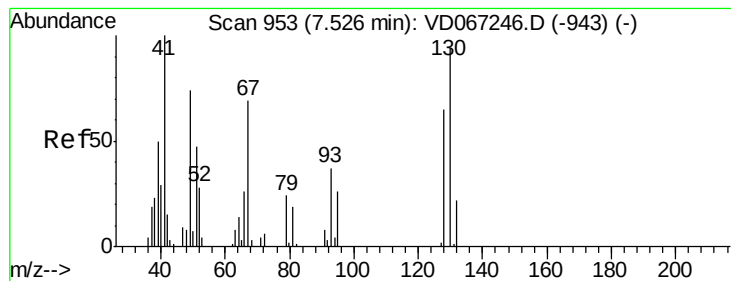
#40
Benzene
Concen: 21.182 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD067251.D
Acq: 13 Oct 2020 14:47

Tgt Ion: 78 Resp: 263469
Ion Ratio Lower Upper
78 100
77 23.2 18.3 27.5



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





#41

Methacrylonitrile

Concen: 23.621 ug/l

RT: 7.52 min Scan# 952

Delta R.T. -0.01 min

Lab File: VD067251.D

Acq: 13 Oct 2020 14:47

Instrument :

MSVOA_D

ClientSampleId :

VD1013SBS01

Tot Ion: 41 Resp: 17027

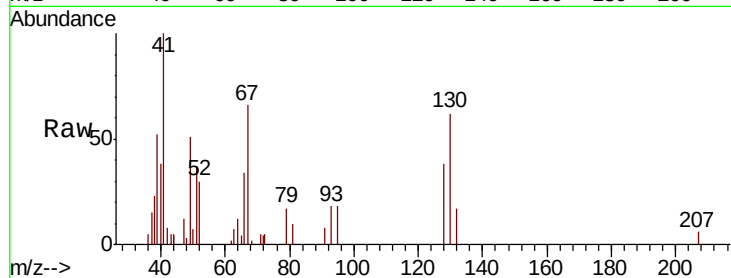
Ion Ratio Lower Upper

41 100

39 46.1 60.0 90.0#

67 83.5 88.9 133.3#

52 36.2 36.9 55.3#

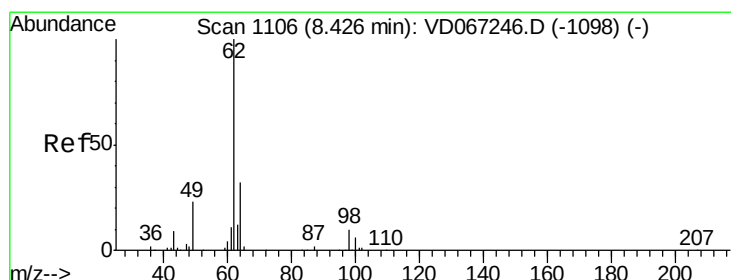
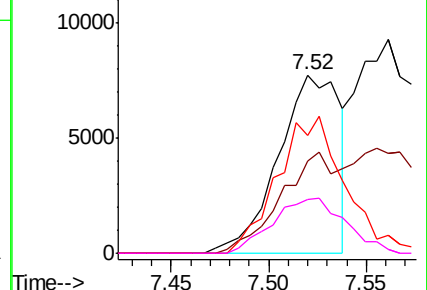
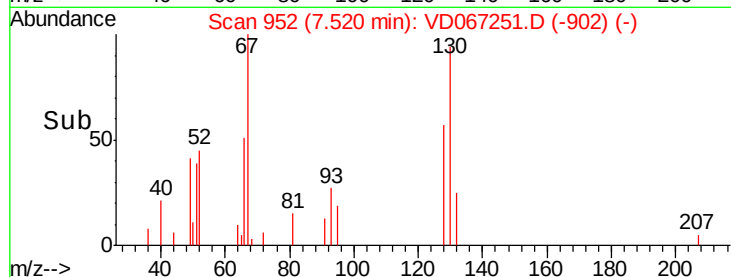


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 20.729 ug/l

RT: 8.42 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VD067251.D

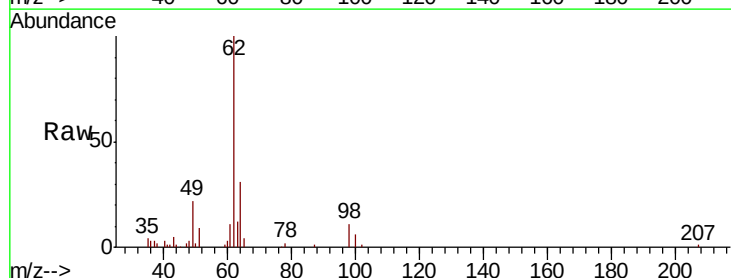
Acq: 13 Oct 2020 14:47

Tgt Ion: 62 Resp: 80688

Ion Ratio Lower Upper

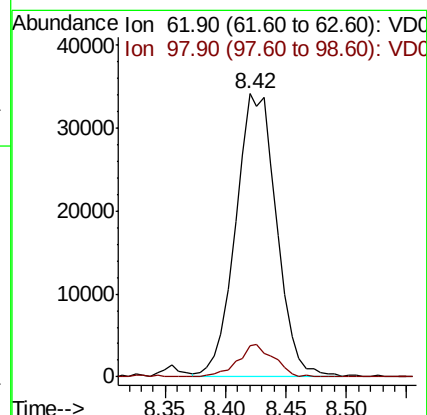
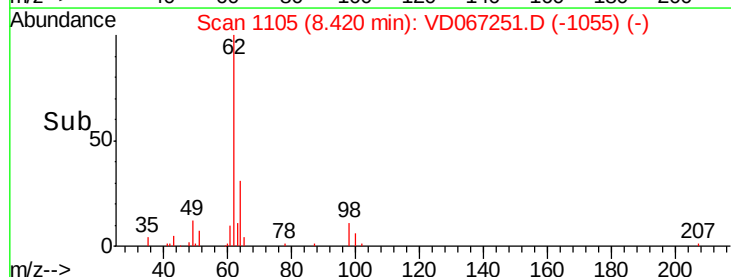
62 100

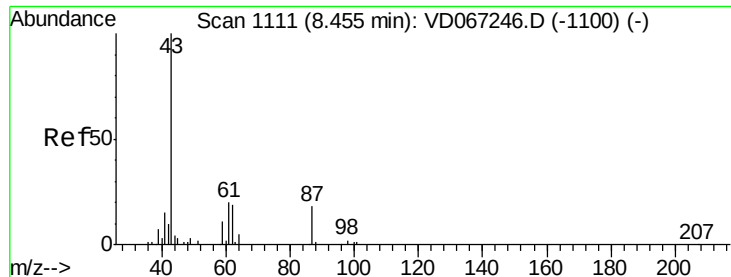
98 10.2 0.0 19.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 21.935 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD067251.D

Acq: 13 Oct 2020 14:47

Instrument :

MSVOA_D

ClientSampleId :

VD1013SBS01

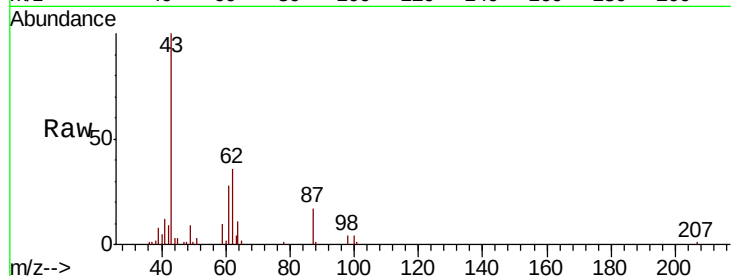
Tot Ion: 43 Resp: 58059

Ion Ratio Lower Upper

43 100

61 38.0 29.5 44.3

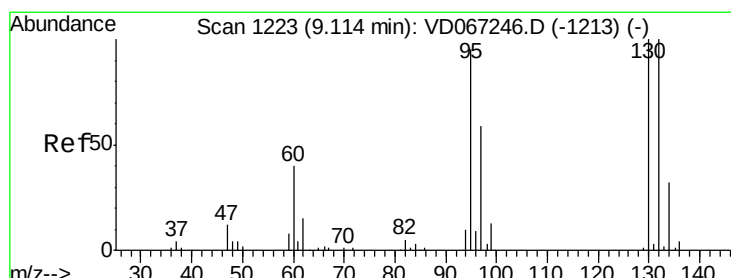
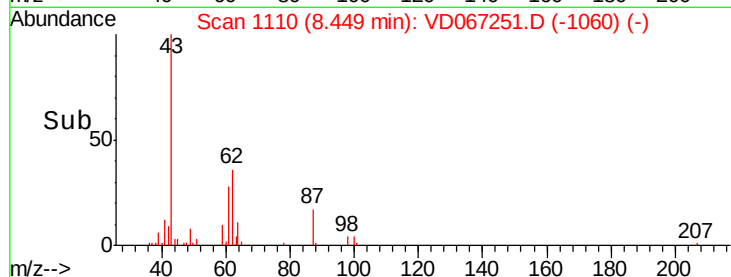
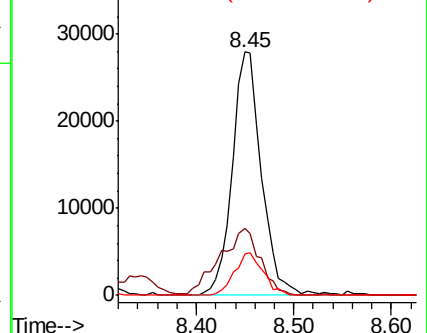
87 17.2 14.2 21.4



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: 21.086 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD067251.D

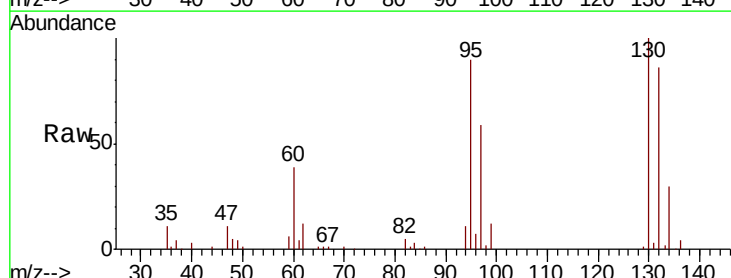
Acq: 13 Oct 2020 14:47

Tgt Ion: 130 Resp: 83974

Ion Ratio Lower Upper

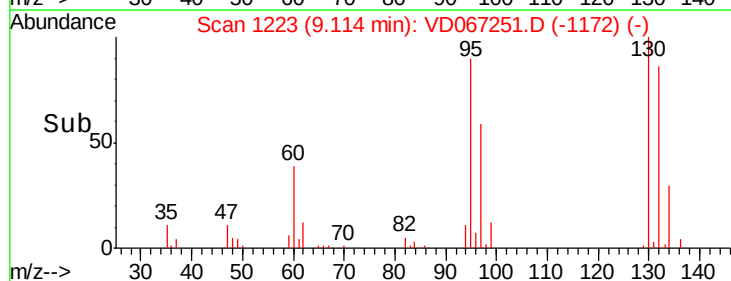
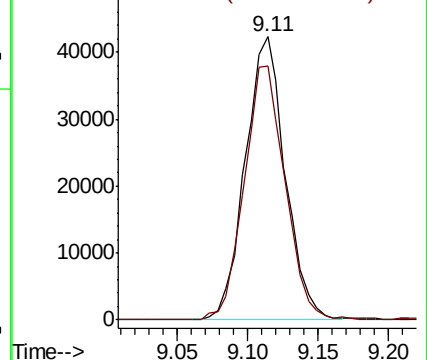
130 100

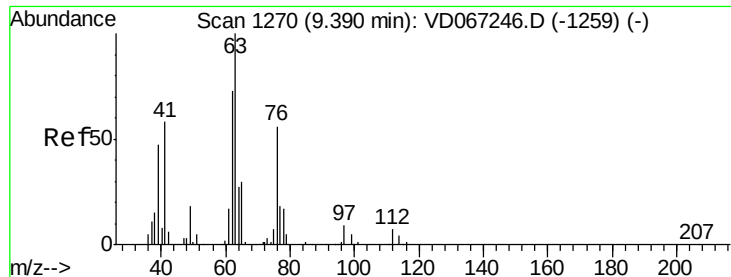
95 89.6 0.0 190.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

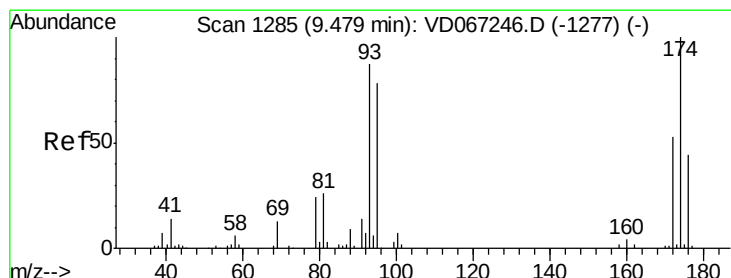
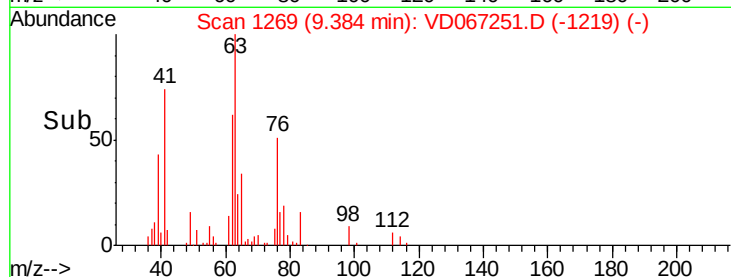
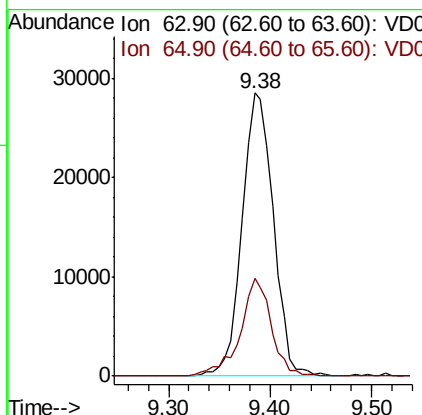
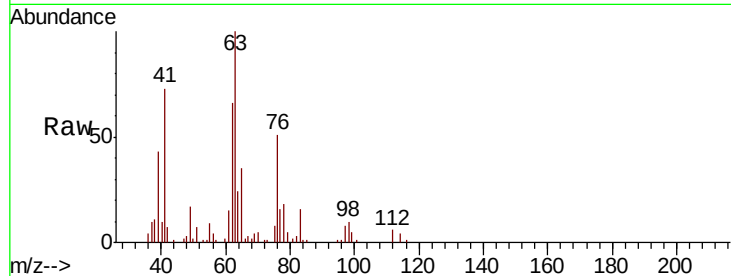




#45
 1,2-Dichloropropane
 Concen: 21.231 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VD067251.D
 Acq: 13 Oct 2020 14:47

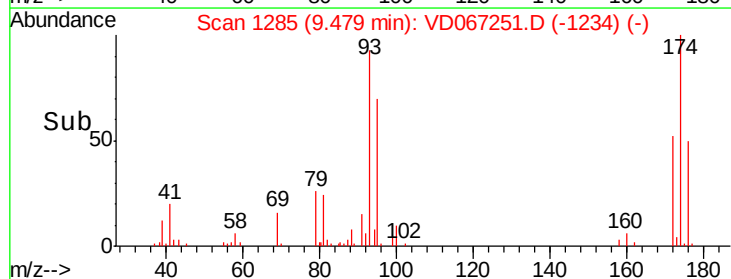
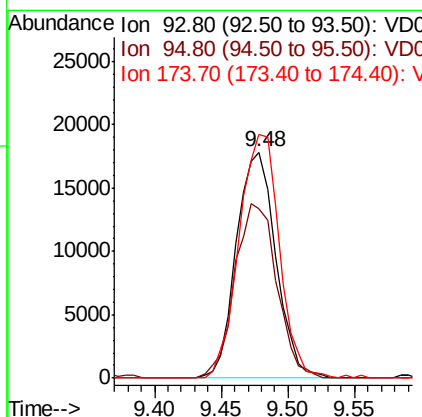
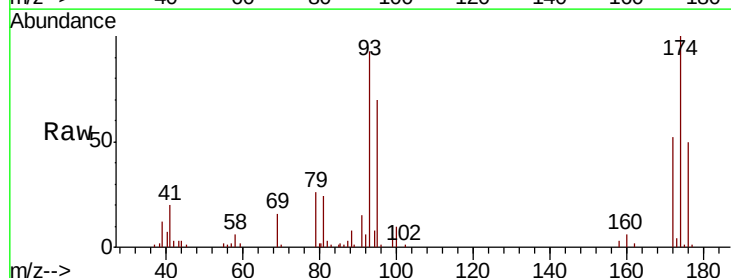
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1013SBS01

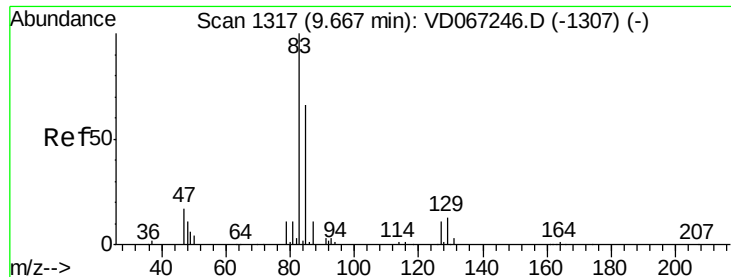
Tot Ion: 63 Resp: 61200
 Ion Ratio Lower Upper
 63 100
 65 34.6 24.6 36.8



#46
 Dibromomethane
 Concen: 20.322 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD067251.D
 Acq: 13 Oct 2020 14:47

Tgt Ion: 93 Resp: 36499
 Ion Ratio Lower Upper
 93 100
 95 81.9 68.0 102.0
 174 110.1 91.8 137.6





#47

Bromodichloromethane

Concen: 21.213 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD067251.D

Acq: 13 Oct 2020 14:47

Instrument :

MSVOA_D

ClientSampleId :

VD1013SBS01

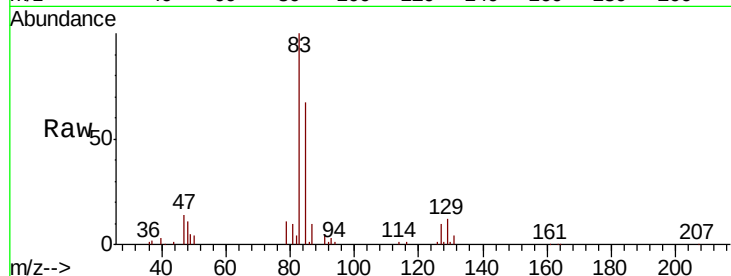
Tot Ion: 83 Resp: 102075

Ion Ratio Lower Upper

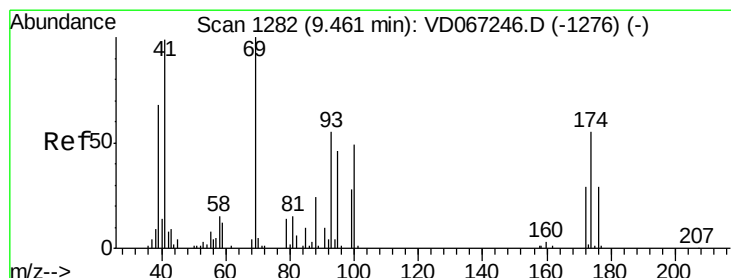
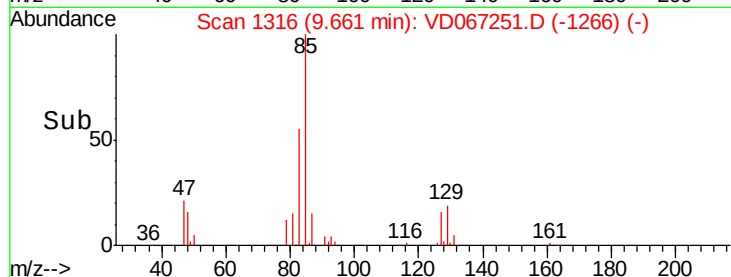
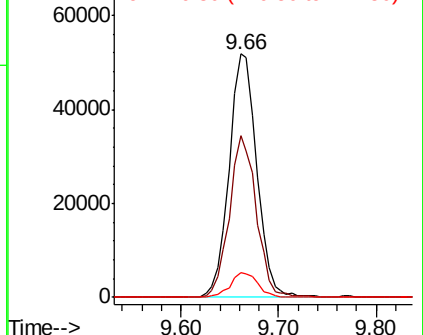
83 100

85 66.6 53.1 79.7

127 10.4 8.6 13.0



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



#48

Methyl methacrylate

Concen: 20.635 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD067251.D

Acq: 13 Oct 2020 14:47

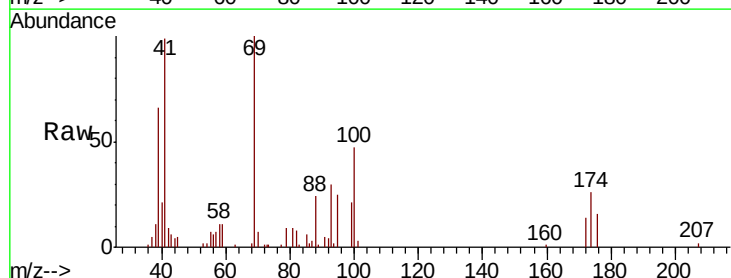
Tgt Ion: 41 Resp: 26543

Ion Ratio Lower Upper

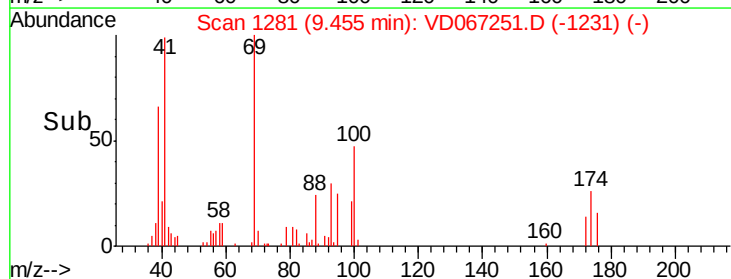
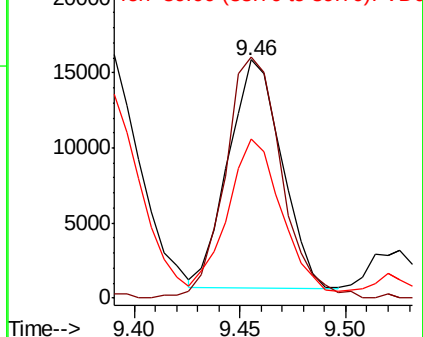
41 100

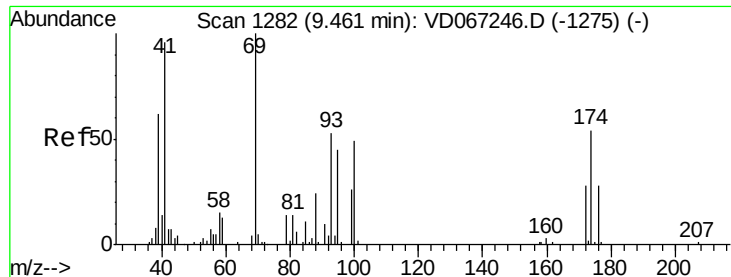
69 111.7 89.0 133.6

39 73.4 60.2 90.2



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

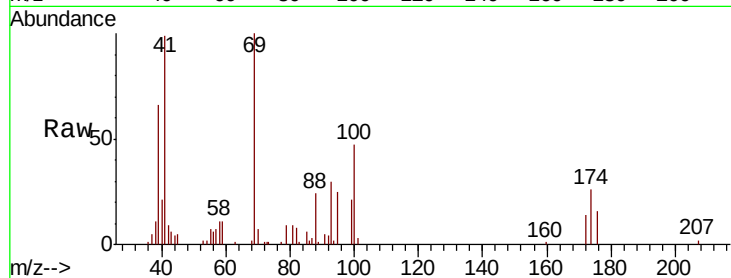




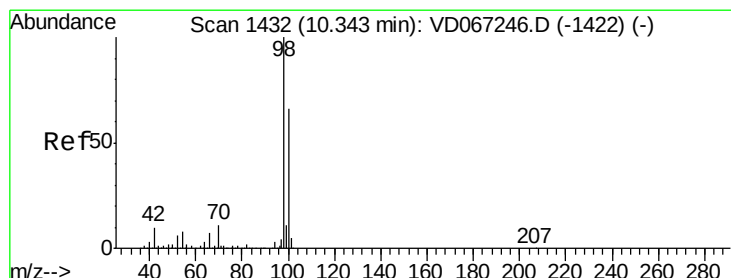
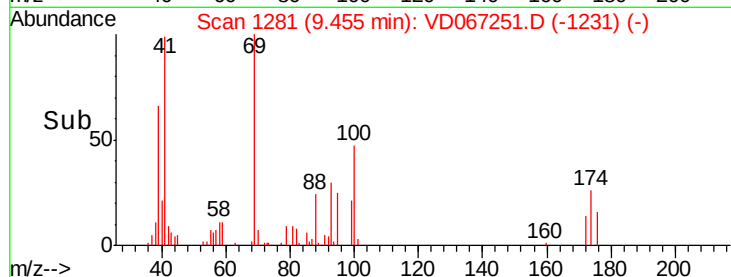
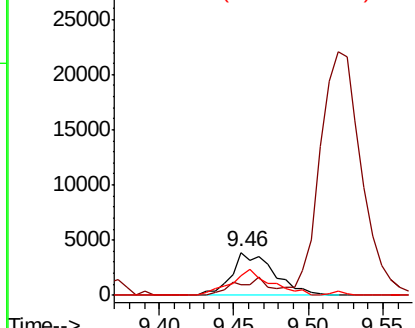
#49
 1,4-Dioxane
 Concen: 426.049 ug/l
 RT: 9.46 min Scan# 1281
 Delta R.T. -0.01 min
 Lab File: VD067251.D
 Acq: 13 Oct 2020 14:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1013SBS01

Tot Ion: 88 Resp: 7708
 Ion Ratio Lower Upper
 88 100
 43 31.8 23.9 35.9
 58 55.8 51.0 76.6

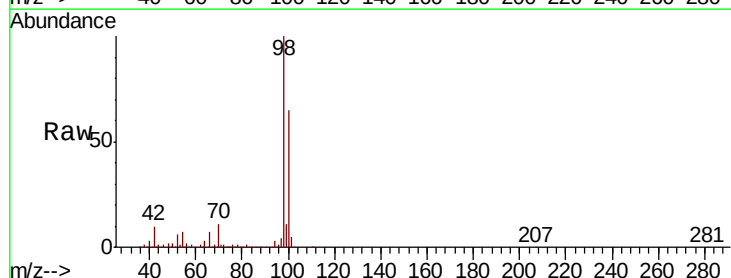


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.00 (42.70 to 43.70): VDC
 Ion 58.00 (57.70 to 58.70): VDC

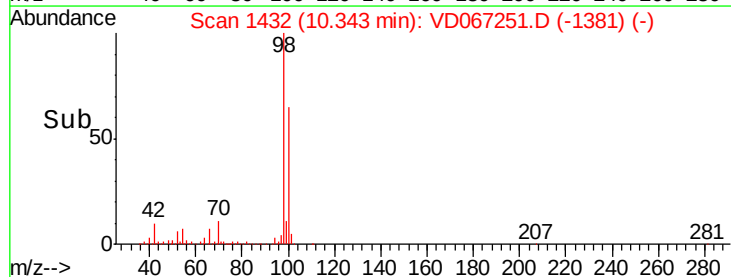
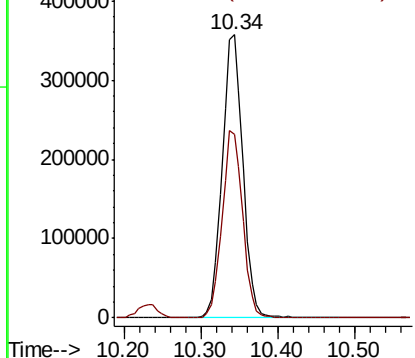


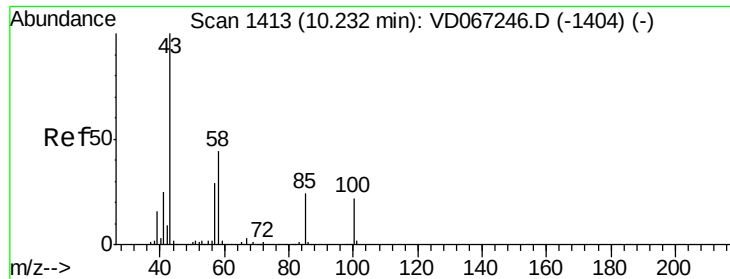
#50
 Toluene-d8
 Concen: 51.544 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. -0.00 min
 Lab File: VD067251.D
 Acq: 13 Oct 2020 14:47

Tgt Ion: 98 Resp: 664044
 Ion Ratio Lower Upper
 98 100
 100 65.8 53.1 79.7



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

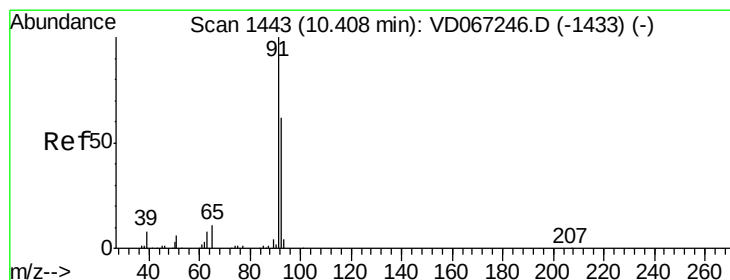
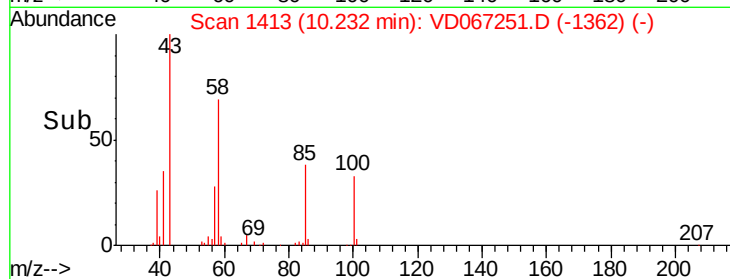
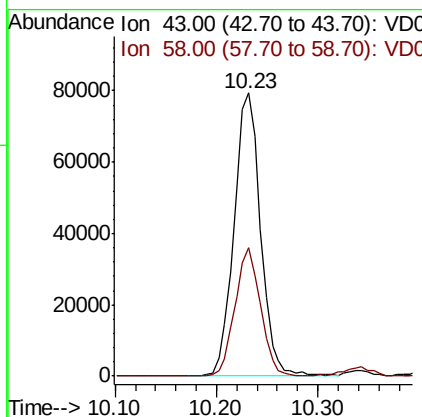
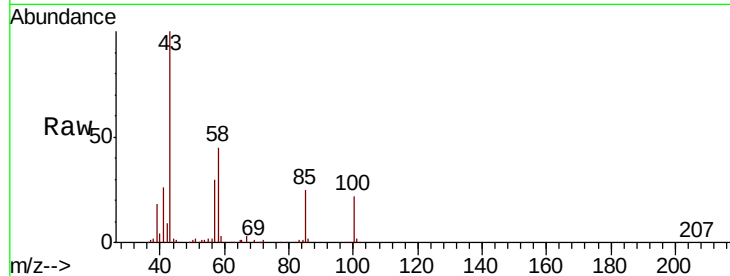




#51
 4-Methyl-2-Pentanone
 Concen: 109.508 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. -0.00 min
 Lab File: VD067251.D
 Acq: 13 Oct 2020 14:47

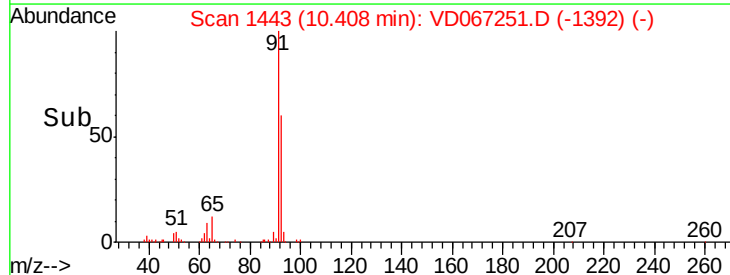
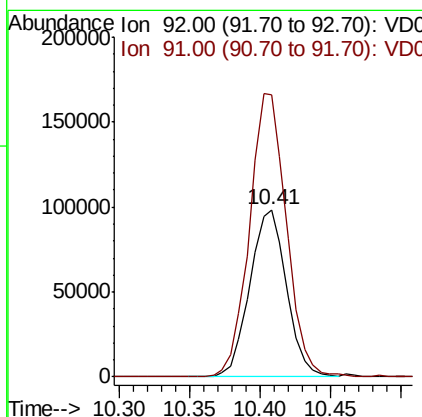
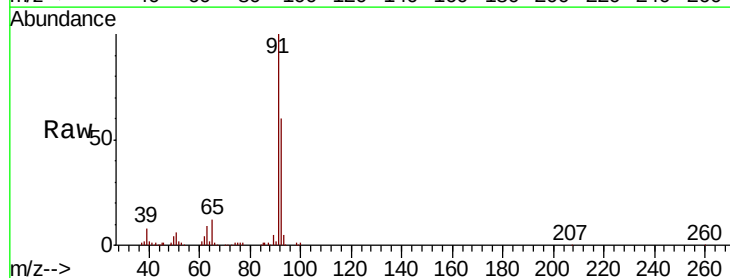
Instrument :
 MSVOA_D
 ClientSampleID :
 VD1013SBS01

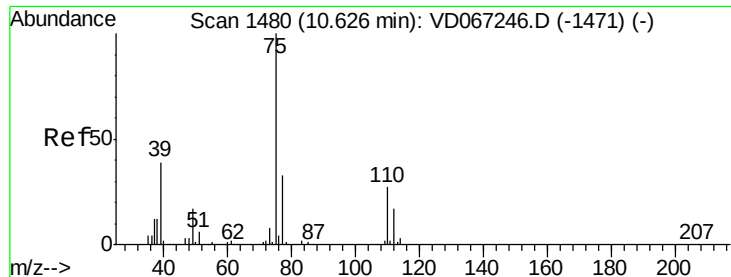
Tot Ion: 43 Resp: 144571
 Ion Ratio Lower Upper
 43 100
 58 43.6 35.7 53.5



#52
 Toluene
 Concen: 21.231 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. -0.00 min
 Lab File: VD067251.D
 Acq: 13 Oct 2020 14:47

Tgt Ion: 92 Resp: 179864
 Ion Ratio Lower Upper
 92 100
 91 170.7 133.8 200.8





#53

t-1,3-Dichloropropene

Concen: 21.113 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD067251.D

Acq: 13 Oct 2020 14:47

Instrument :

MSVOA_D

ClientSampleId :

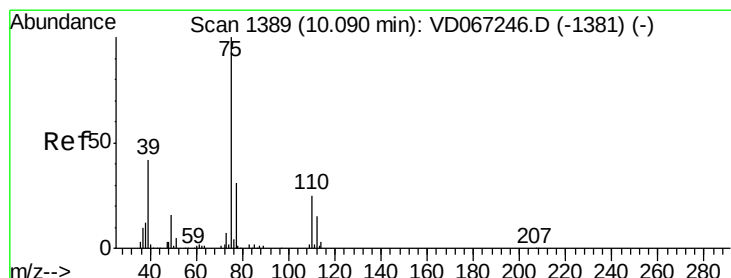
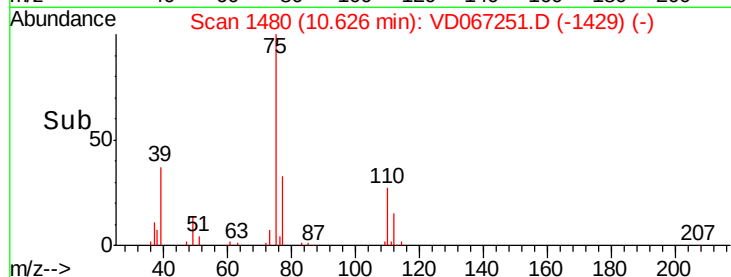
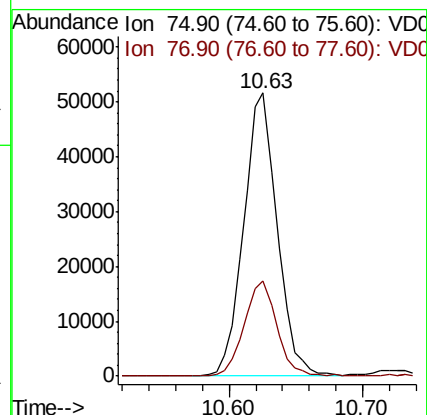
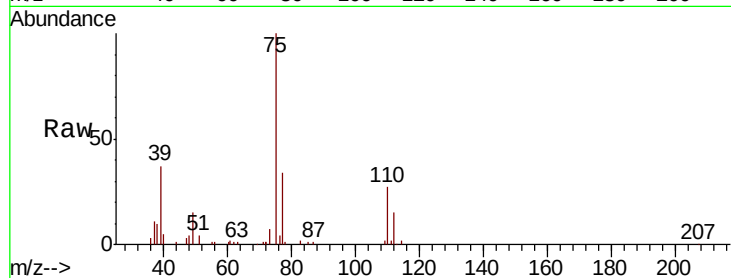
VD1013SBS01

Tot Ion: 75 Resp: 89247

Ion Ratio Lower Upper

75 100

77 33.8 26.5 39.7



#54

cis-1,3-Dichloropropene

Concen: 20.964 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD067251.D

Acq: 13 Oct 2020 14:47

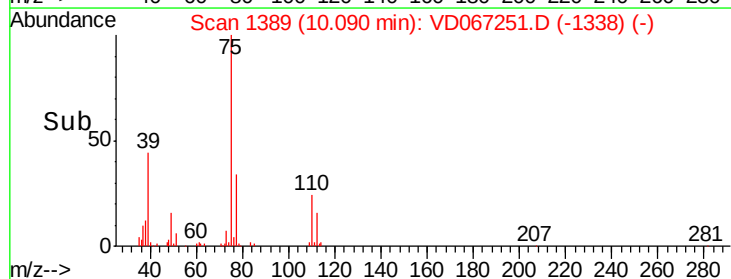
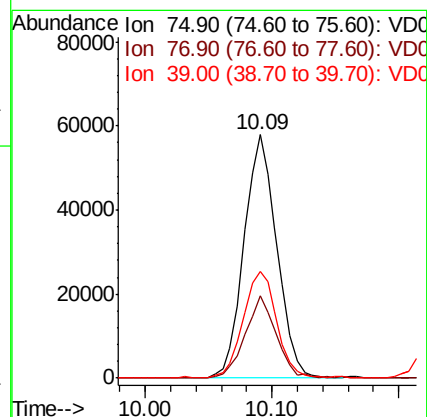
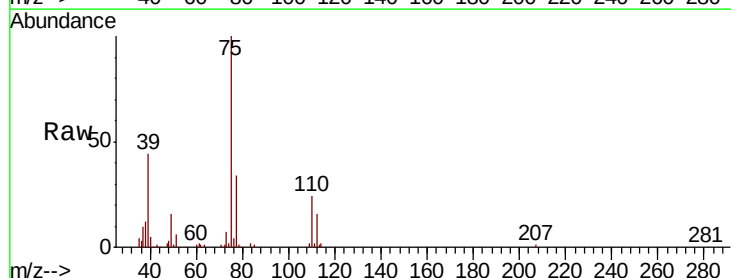
Tgt Ion: 75 Resp: 103710

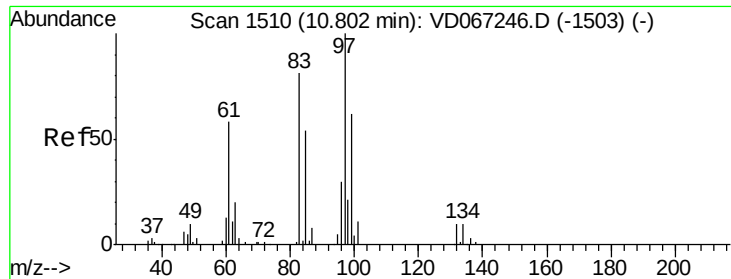
Ion Ratio Lower Upper

75 100

77 34.0 24.5 36.7

39 43.6 33.7 50.5

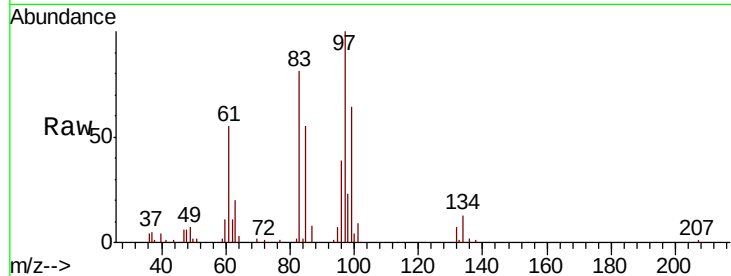




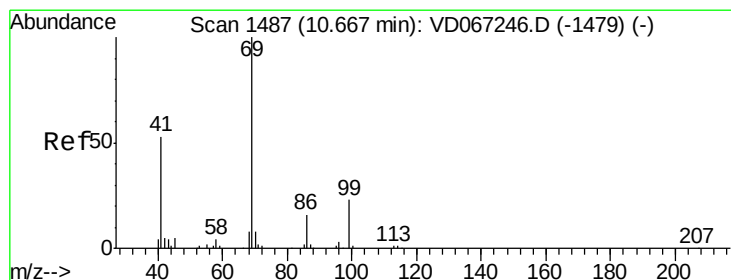
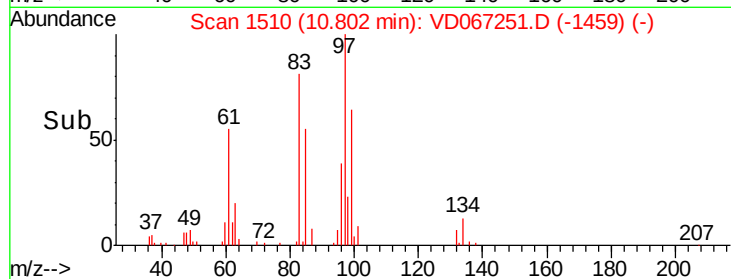
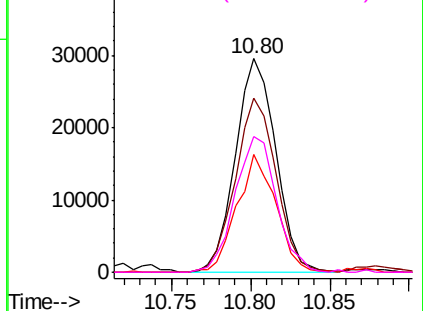
#55
 1,1,2-Trichloroethane
 Concen: 21.378 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD067251.D
 Acq: 13 Oct 2020 14:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1013SBS01

Tot Ion:	97	Resp:	52358
Ion	Ratio	Lower	Upper
97	100		
83	81.3	64.9	97.3
85	55.2	43.3	64.9
99	63.7	49.1	73.7

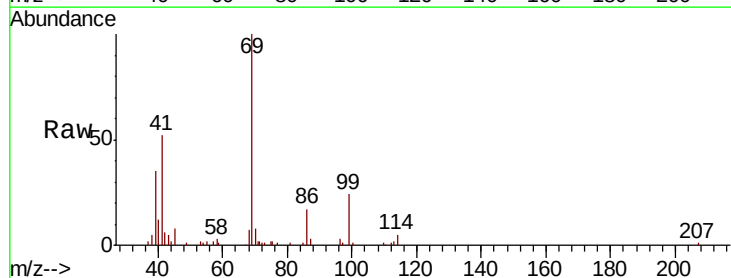


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

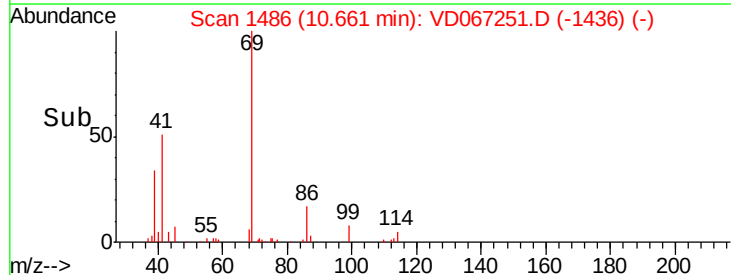
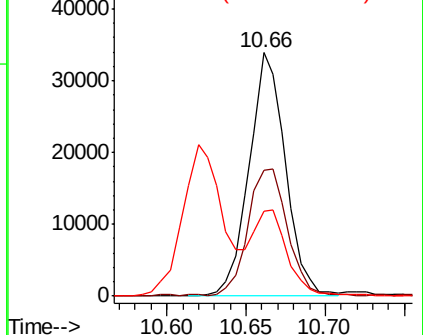


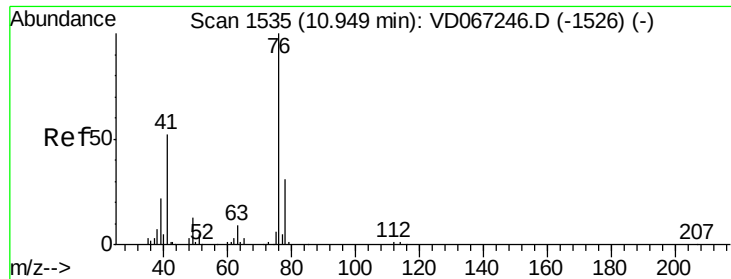
#56
 Ethyl methacrylate
 Concen: 21.292 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VD067251.D
 Acq: 13 Oct 2020 14:47

Tgt Ion:	69	Resp:	54083
Ion	Ratio	Lower	Upper
69	100		
41	57.5	44.7	67.1
39	37.1	26.2	39.2



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





#57

1,3-Dichloropropane

Concen: 21.948 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD067251.D

Acq: 13 Oct 2020 14:47

Instrument :

MSVOA_D

ClientSampleId :

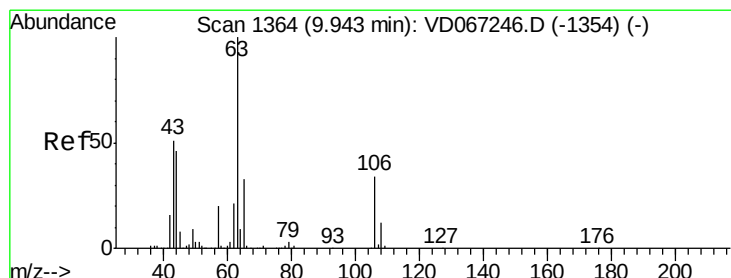
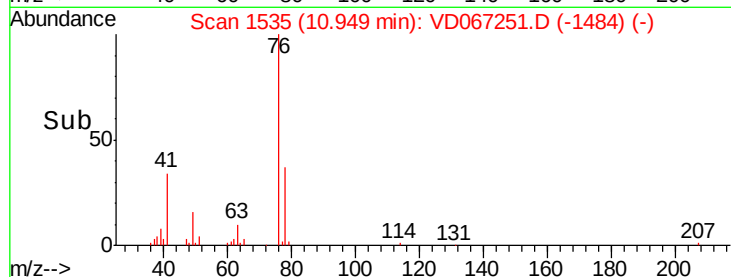
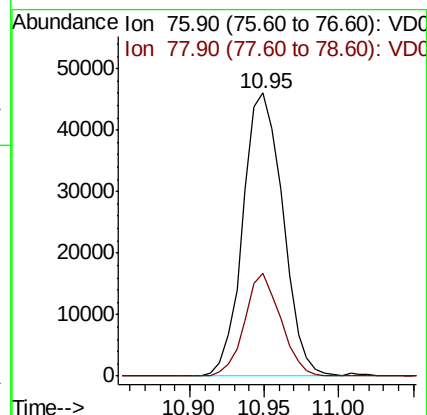
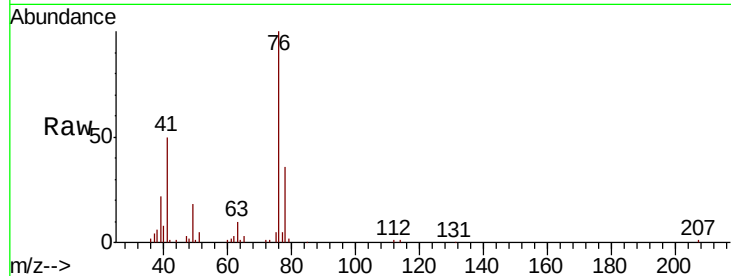
VD1013SBS01

Tot Ion: 76 Resp: 85543

Ion Ratio Lower Upper

76 100

78 32.7 26.8 40.2



#58

2-Chloroethyl Vinyl ether

Concen: 108.339 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD067251.D

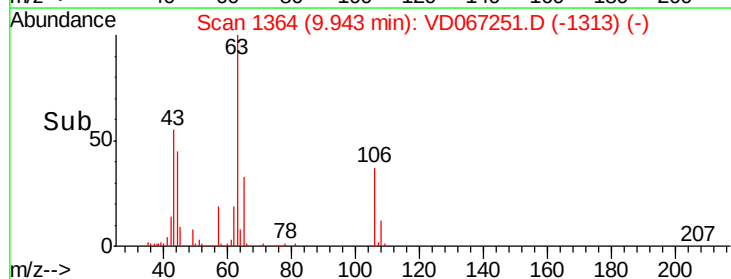
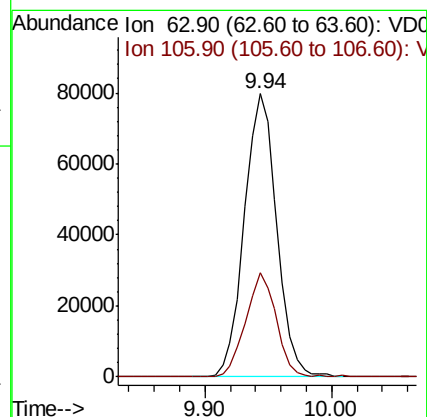
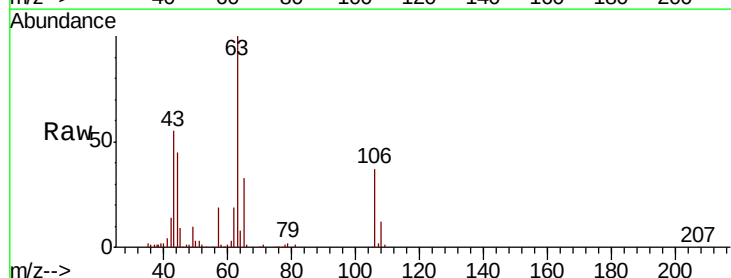
Acq: 13 Oct 2020 14:47

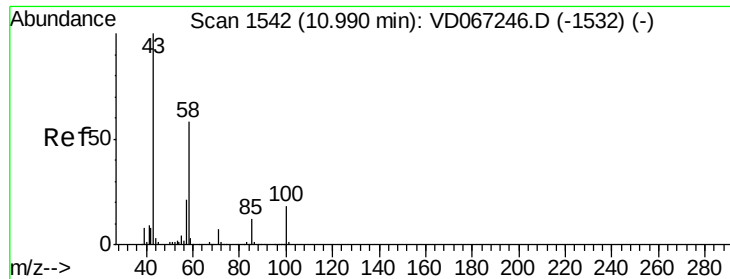
Tgt Ion: 63 Resp: 141168

Ion Ratio Lower Upper

63 100

106 35.0 27.8 41.6

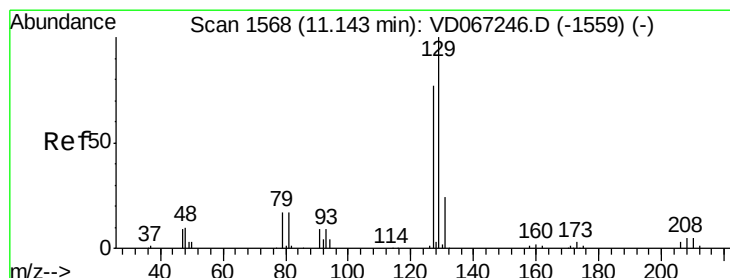
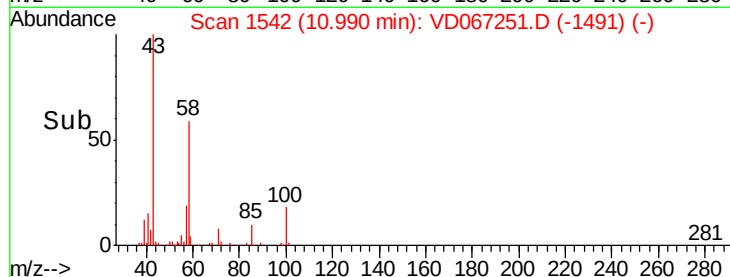
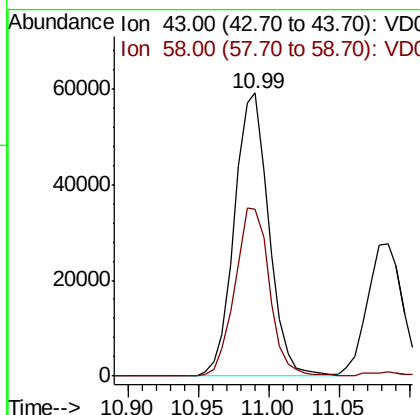
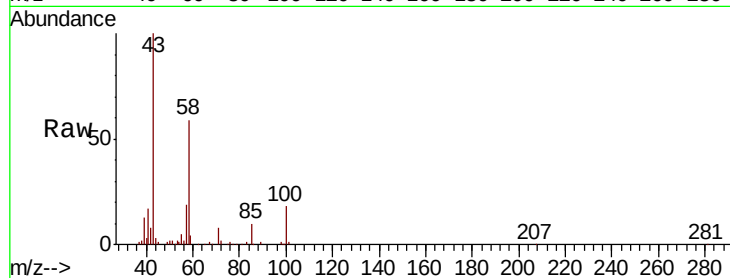




#59
2-Hexanone
Concen: 111.767 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD067251.D
Acq: 13 Oct 2020 14:47

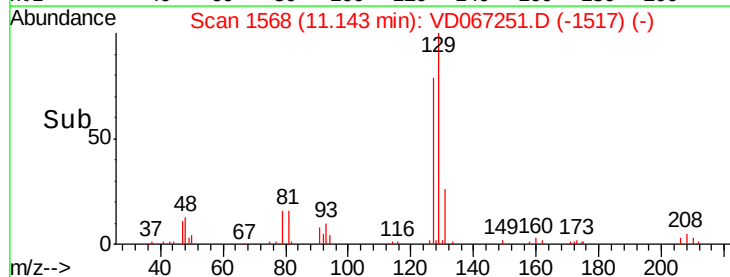
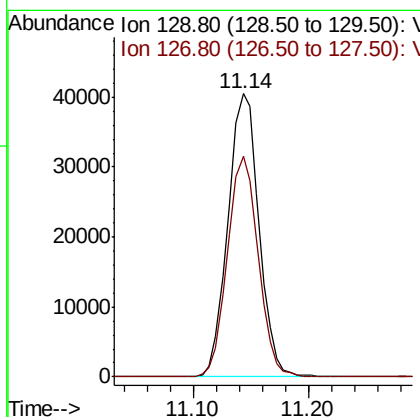
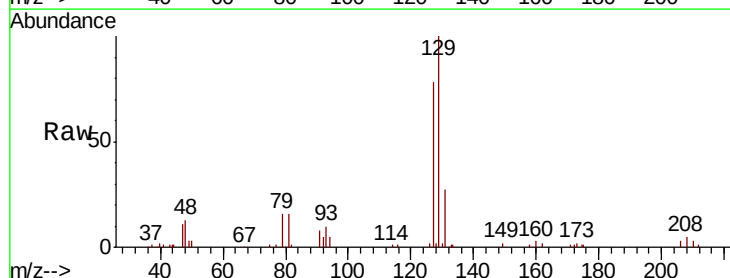
Instrument :
MSVOA_D
ClientSampleId :
VD1013SBS01

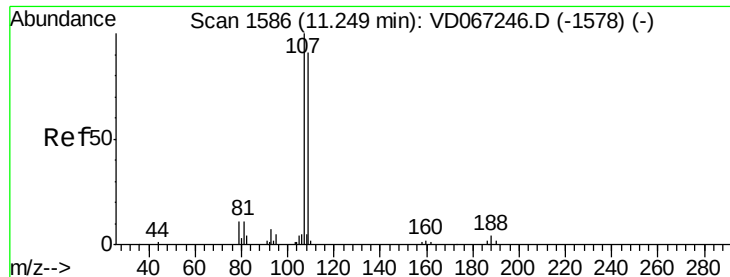
Tot Ion: 43 Resp: 100828
Ion Ratio Lower Upper
43 100
58 59.6 29.3 87.9



#60
Dibromochloromethane
Concen: 21.102 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD067251.D
Acq: 13 Oct 2020 14:47

Tgt Ion: 129 Resp: 75369
Ion Ratio Lower Upper
129 100
127 77.2 38.3 114.8

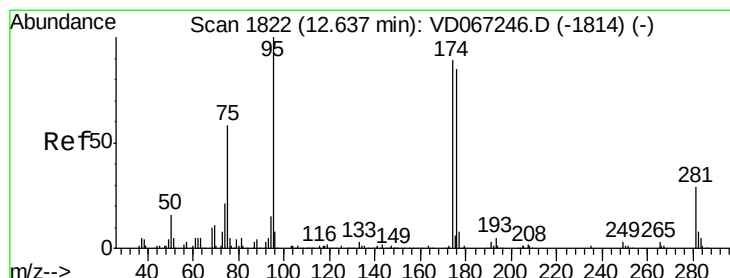
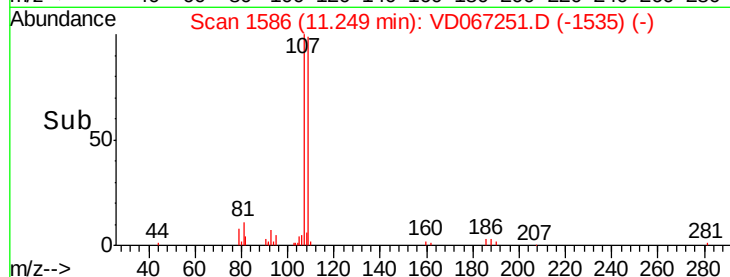
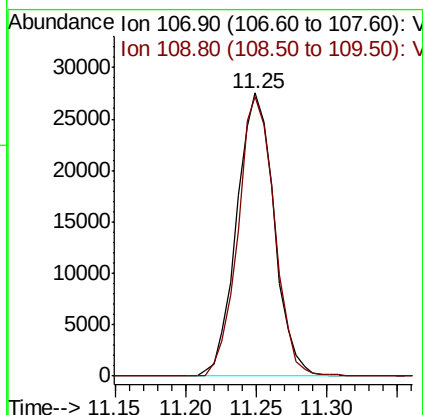
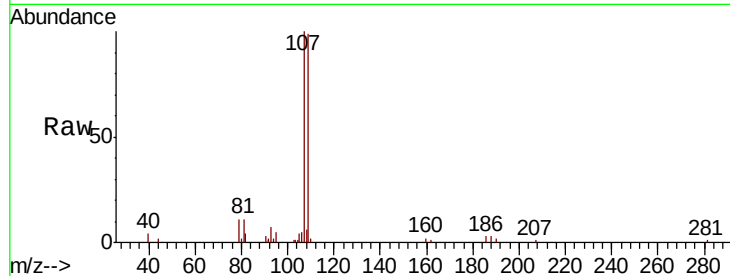




#61
 1,2-Dibromoethane
 Concen: 21.148 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD067251.D
 Acq: 13 Oct 2020 14:47

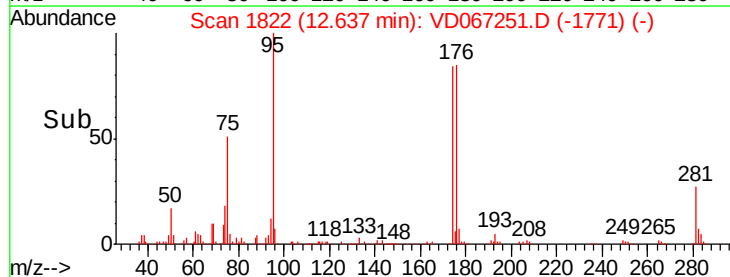
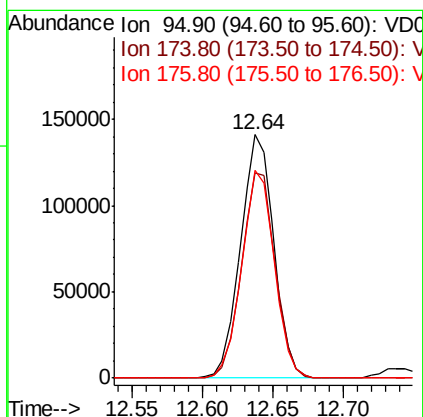
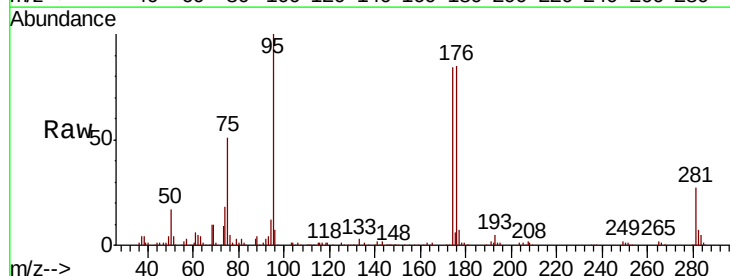
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1013SBS01

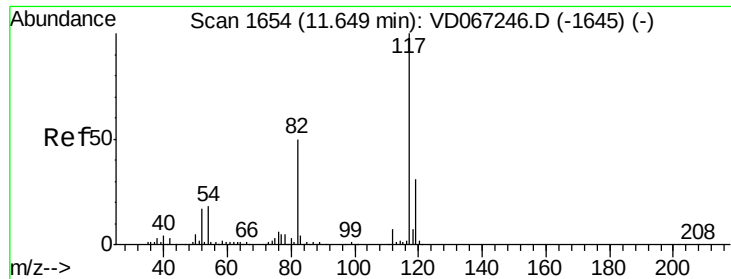
Tot Ion: 107 Resp: 51062
 Ion Ratio Lower Upper
 107 100
 109 96.1 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 52.044 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD067251.D
 Acq: 13 Oct 2020 14:47

Tgt Ion: 95 Resp: 233143
 Ion Ratio Lower Upper
 95 100
 174 85.4 0.0 175.2
 176 83.8 0.0 168.6

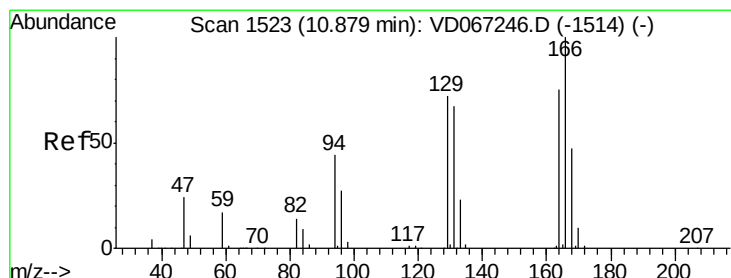
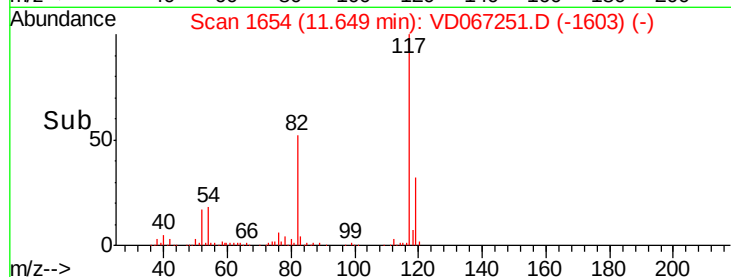
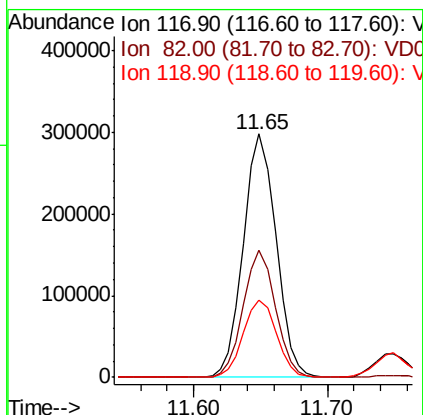
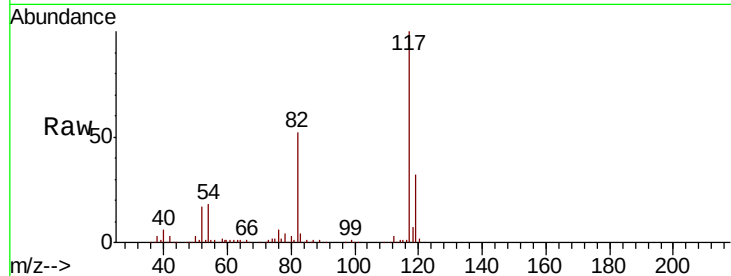




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067251.D
Acq: 13 Oct 2020 14:47

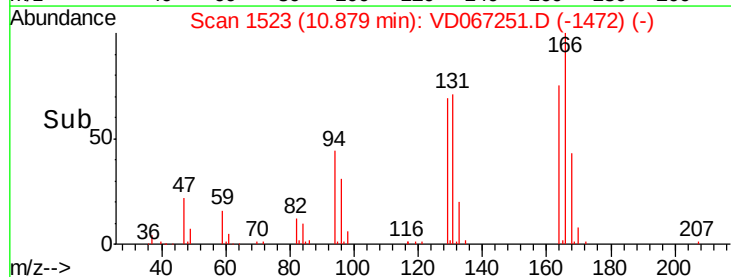
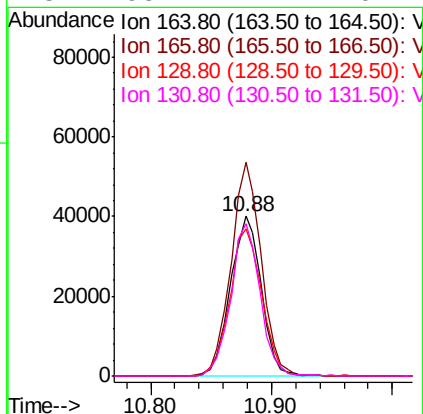
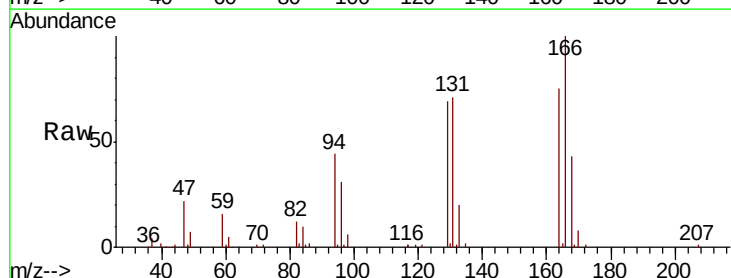
Instrument :
MSVOA_D
ClientSampleId :
VD1013SBS01

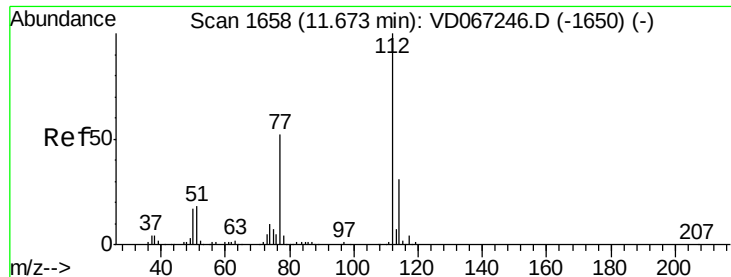
Tot Ion:117 Resp: 507490
Ion Ratio Lower Upper
117 100
82 52.0 39.9 59.9
119 31.7 24.9 37.3



#64
Tetrachloroethene
Concen: 19.327 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD067251.D
Acq: 13 Oct 2020 14:47

Tgt Ion:164 Resp: 71064
Ion Ratio Lower Upper
164 100
166 133.7 107.3 160.9
129 92.2 77.3 115.9
131 95.4 71.4 107.2

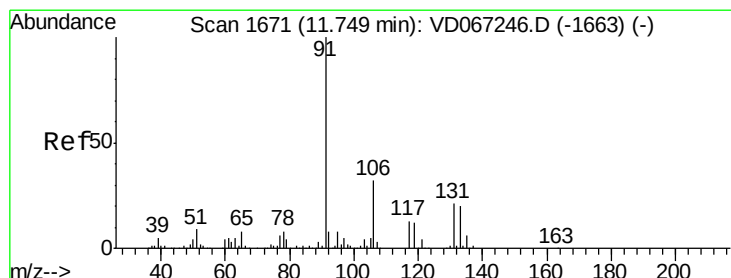
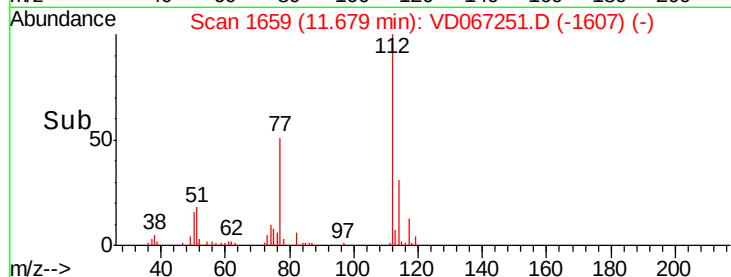
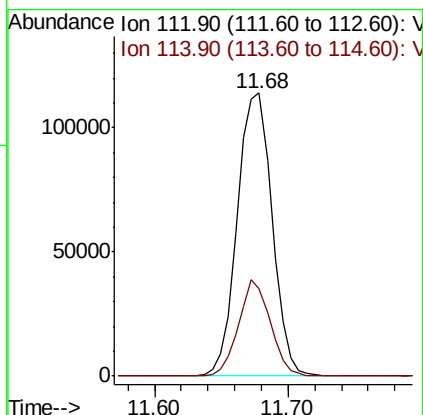
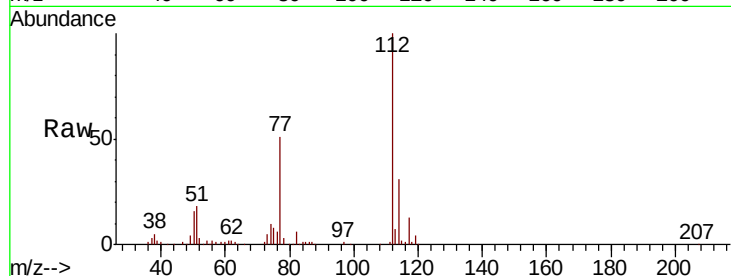




#65
Chlorobenzene
Concen: 21.146 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.01 min
Lab File: VD067251.D
Acq: 13 Oct 2020 14:47

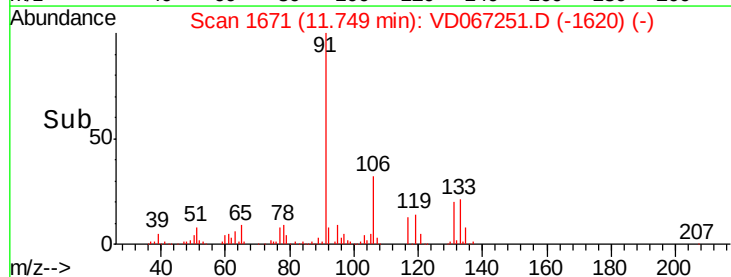
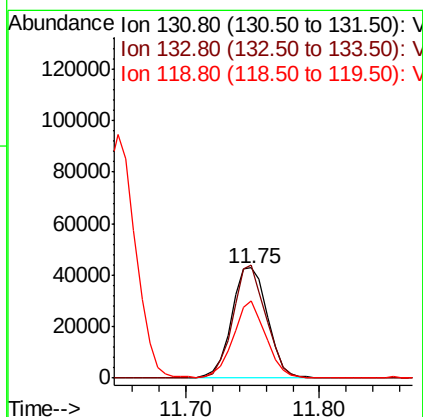
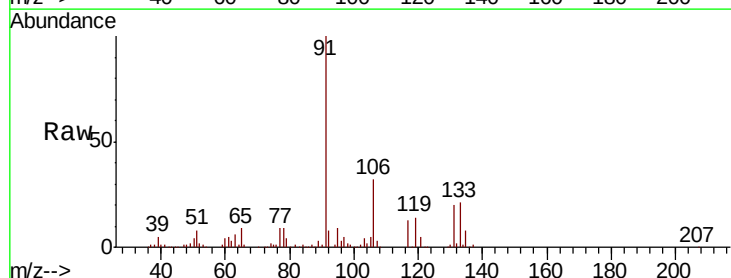
Instrument :
MSVOA_D
ClientSampleId :
VD1013SBS01

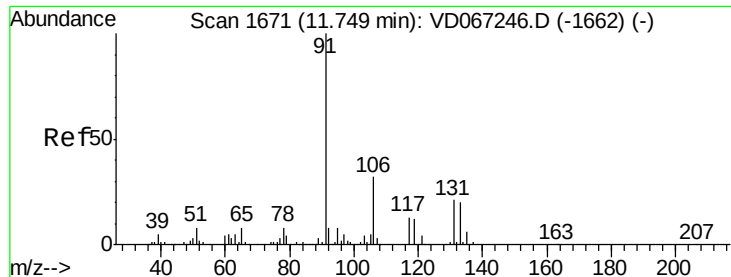
Tot Ion:112 Resp: 205790
Ion Ratio Lower Upper
112 100
114 31.1 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 20.674 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD067251.D
Acq: 13 Oct 2020 14:47

Tgt Ion:131 Resp: 79964
Ion Ratio Lower Upper
131 100
133 94.7 48.1 144.3
119 63.3 30.0 90.0





#67

Ethyl Benzene

Concen: 20.391 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD067251.D

Acq: 13 Oct 2020 14:47

Instrument :

MSVOA_D

ClientSampleId :

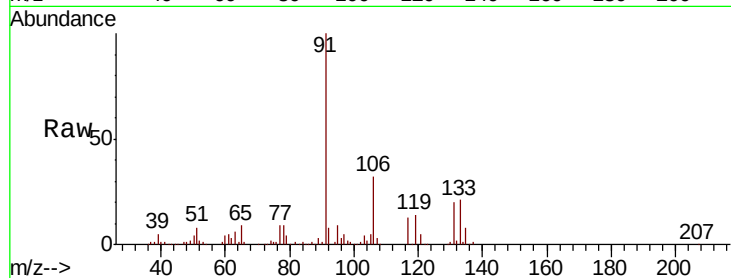
VD1013SBS01

Tot Ion: 91 Resp: 340161

Ion Ratio Lower Upper

91 100

106 31.8 25.4 38.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

300000

250000

200000

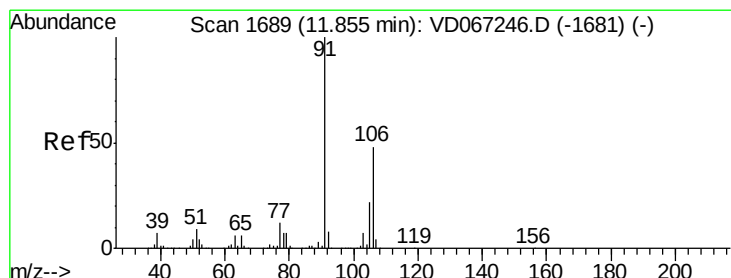
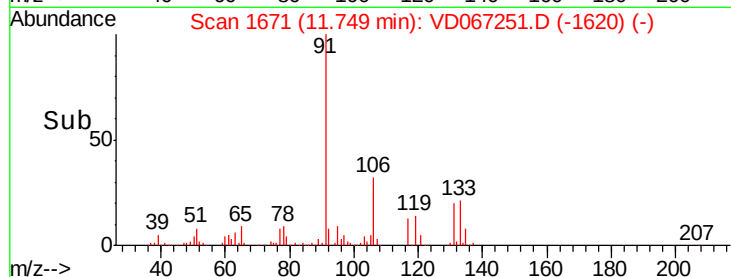
150000

100000

50000

0

Time--> 11.65 11.70 11.75 11.80



#68

m/p-Xylenes

Concen: 41.609 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VD067251.D

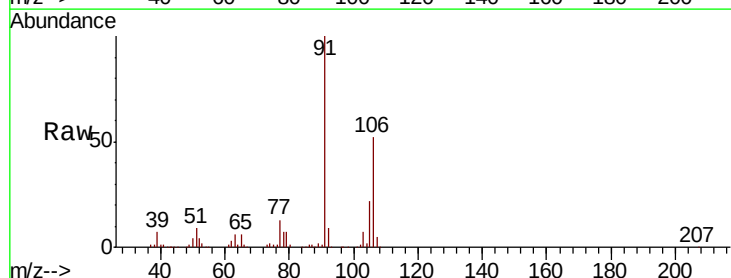
Acq: 13 Oct 2020 14:47

Tgt Ion: 106 Resp: 267293

Ion Ratio Lower Upper

106 100

91 203.6 163.8 245.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

300000

250000

200000

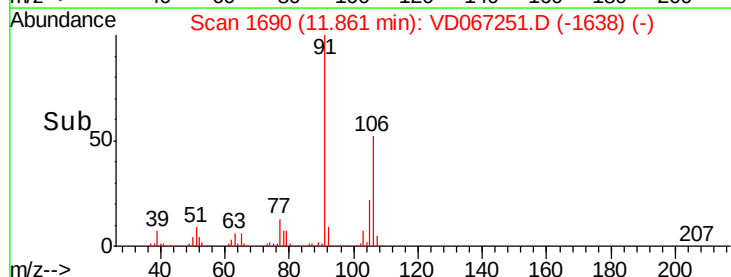
150000

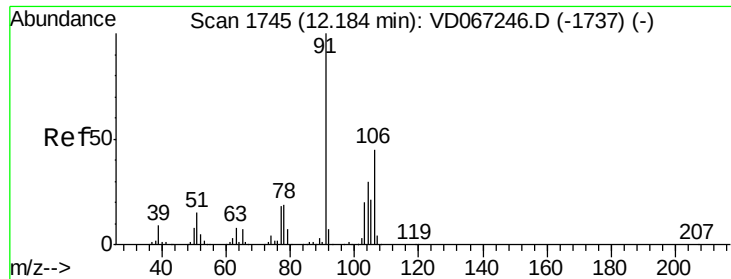
100000

50000

0

Time--> 11.80 11.90

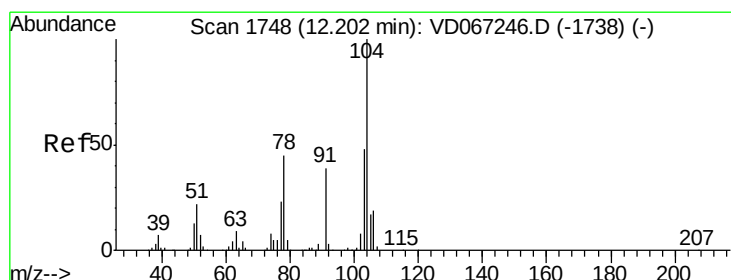
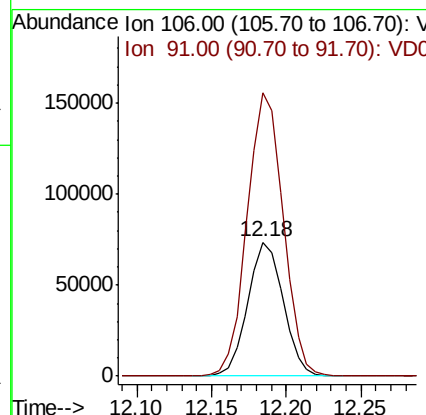
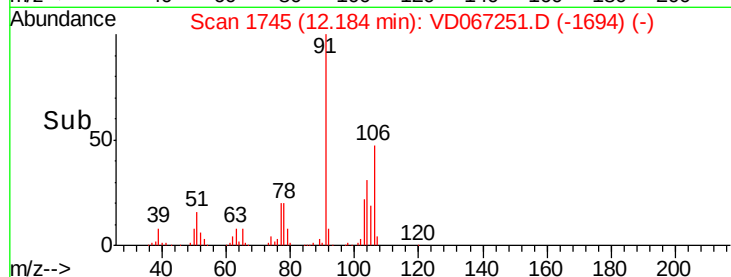
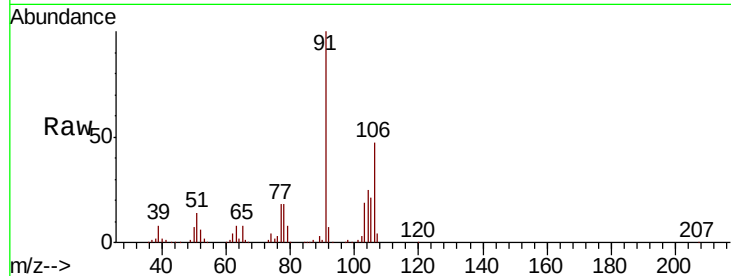




#69
o-Xylene
Concen: 20.359 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD067251.D
Acq: 13 Oct 2020 14:47

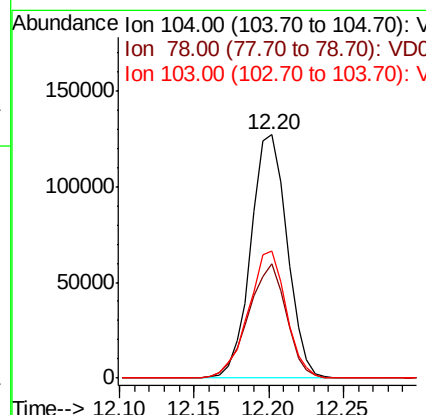
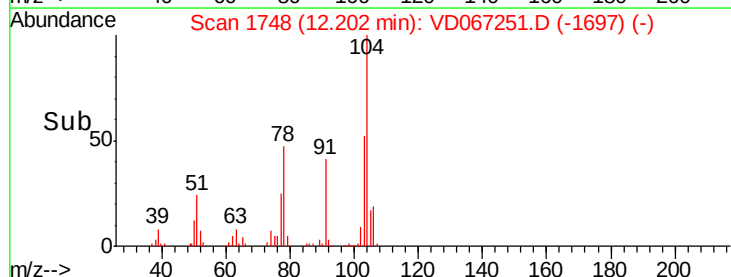
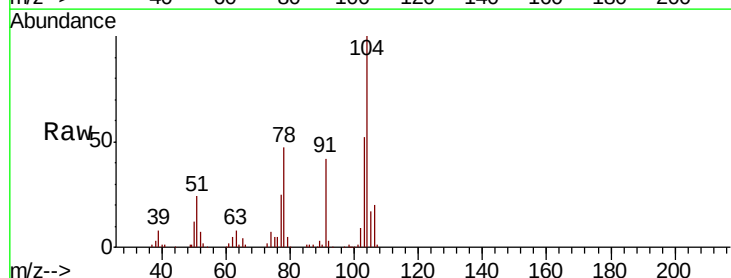
Instrument :
MSVOA_D
ClientSampleId :
VD1013SBS01

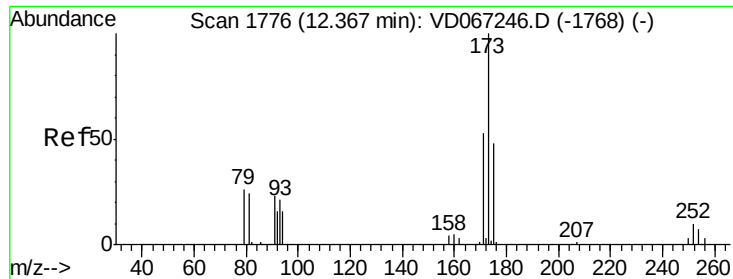
Tot Ion:106 Resp: 121110
Ion Ratio Lower Upper
106 100
91 215.2 109.1 327.3



#70
Styrene
Concen: 20.856 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD067251.D
Acq: 13 Oct 2020 14:47

Tgt Ion:104 Resp: 213568
Ion Ratio Lower Upper
104 100
78 49.6 39.8 59.6
103 54.5 42.6 64.0

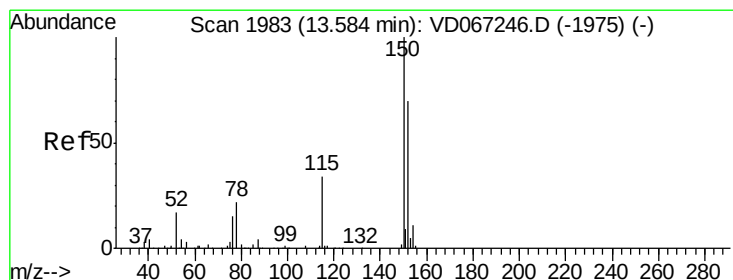
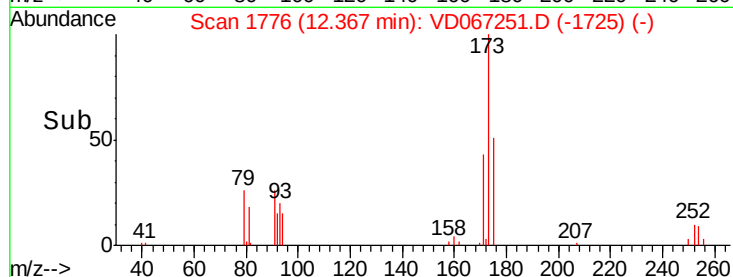
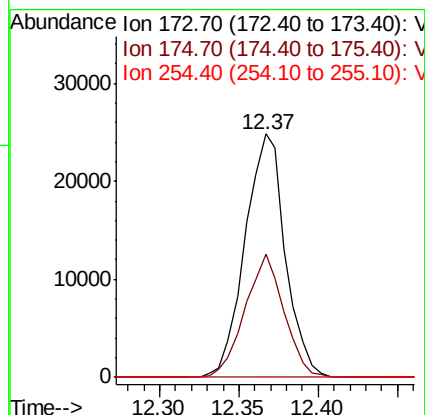
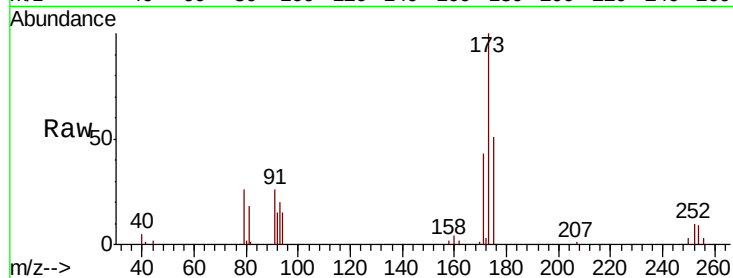




#71
Bromoform
Concen: 20.978 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD067251.D
Acq: 13 Oct 2020 14:47

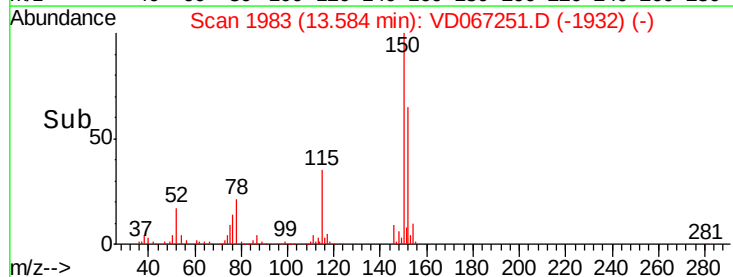
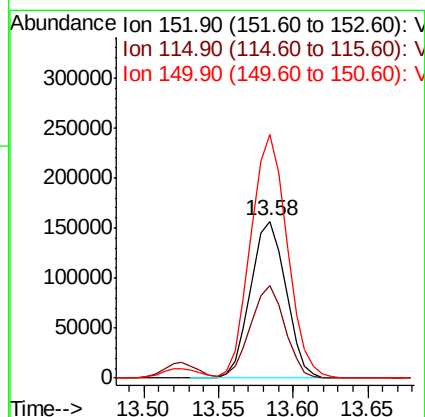
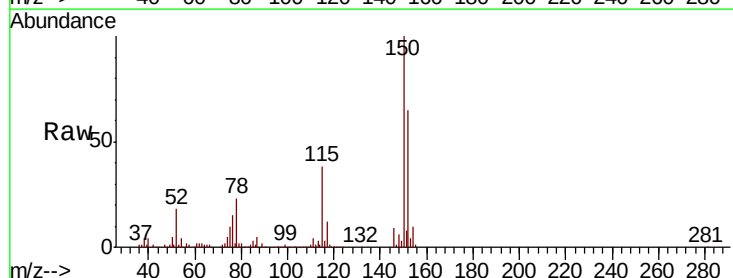
Instrument :
MSVOA_D
ClientSampleId :
VD1013SBS01

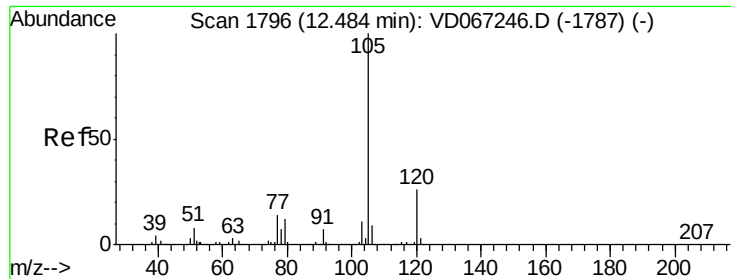
Tot Ion:173 Resp: 43589
Ion Ratio Lower Upper
173 100
175 49.4 24.2 72.6
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD067251.D
Acq: 13 Oct 2020 14:47

Tgt Ion:152 Resp: 257980
Ion Ratio Lower Upper
152 100
115 57.5 29.3 87.9
150 159.7 0.0 339.0

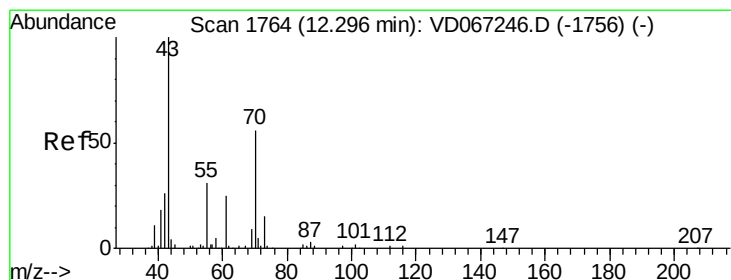
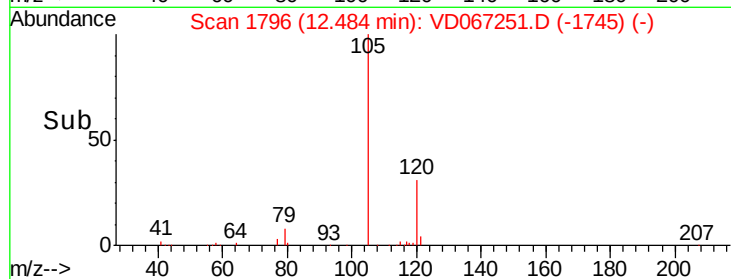
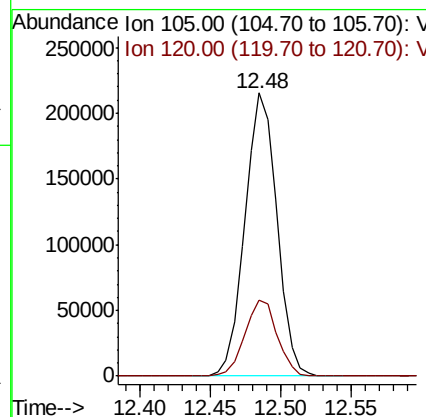
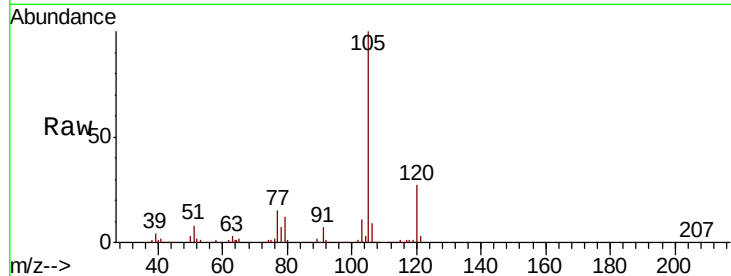




#73
Isopropylbenzene
Concen: 20.885 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VD067251.D
Acq: 13 Oct 2020 14:47

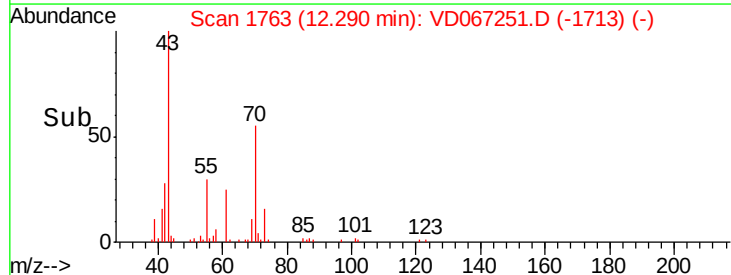
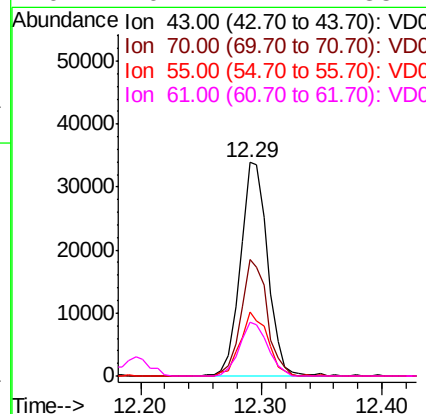
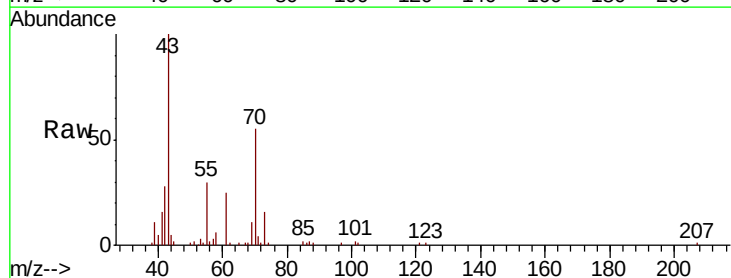
Instrument :
MSVOA_D
ClientSampleId :
VD1013SBS01

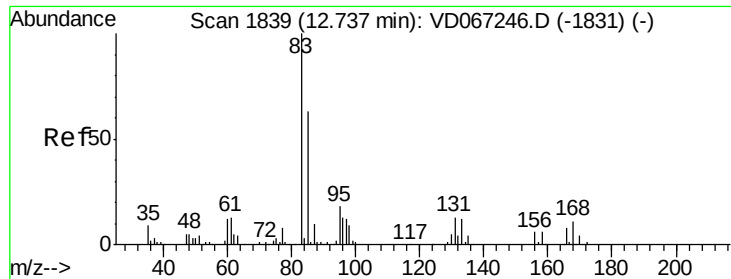
Tot Ion:105 Resp: 341949
Ion Ratio Lower Upper
105 100
120 27.0 13.3 39.8



#74
N-ethyl acetate
Concen: 21.631 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.01 min
Lab File: VD067251.D
Acq: 13 Oct 2020 14:47

Tgt Ion: 43 Resp: 53490
Ion Ratio Lower Upper
43 100
70 52.0 42.7 64.1
55 29.8 24.0 36.0
61 26.1 22.2 33.4





#75

1,1,2,2-Tetrachloroethane

Concen: 21.125 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD067251.D

Acq: 13 Oct 2020 14:47

Instrument :

MSVOA_D

ClientSampleId :

VD1013SBS01

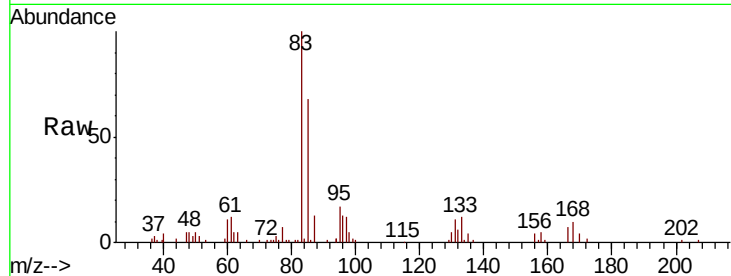
Tot Ion: 83 Resp: 52996

Ion Ratio Lower Upper

83 100

131 13.2 6.5 19.5

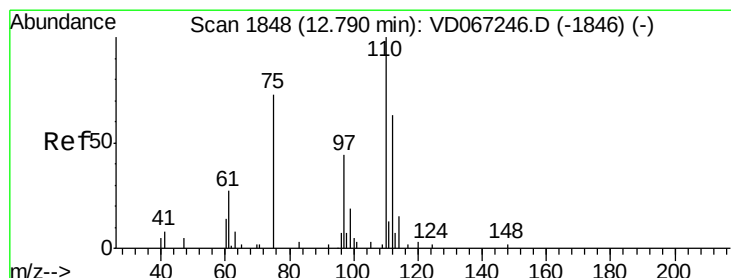
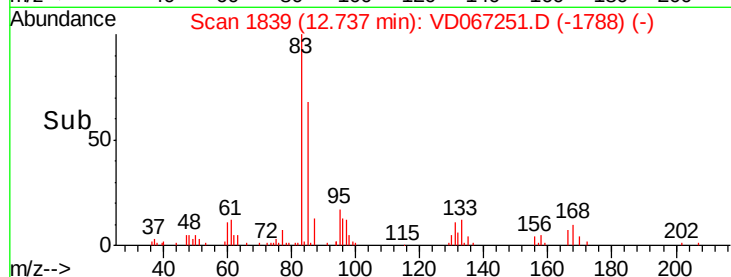
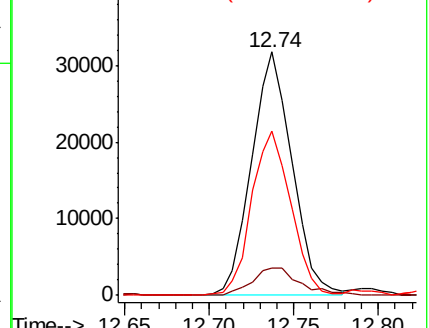
85 65.4 32.6 97.7



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: 39.602 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD067251.D

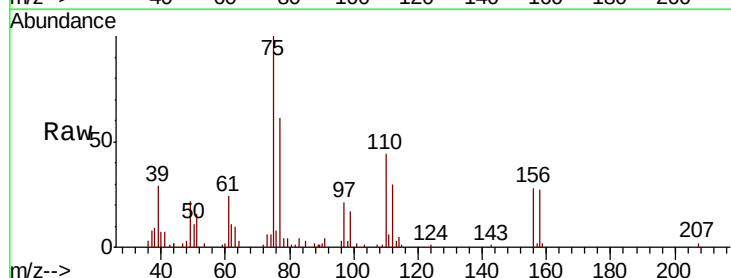
Acq: 13 Oct 2020 14:47

Tgt Ion: 75 Resp: 70811

Ion Ratio Lower Upper

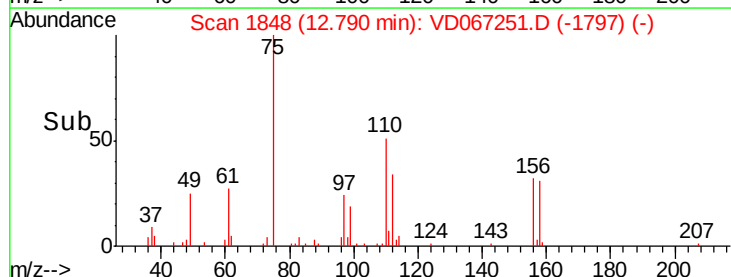
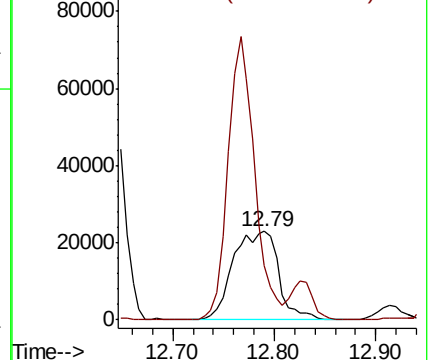
75 100

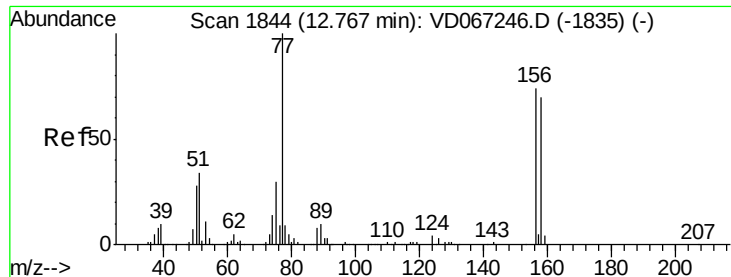
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 21.443 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD067251.D

Acq: 13 Oct 2020 14:47

Instrument :

MSVOA_D

ClientSampleId :

VD1013SBS01

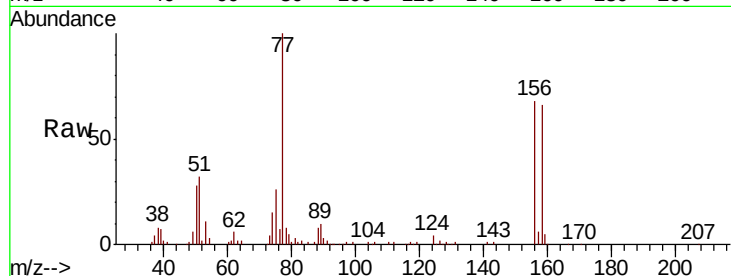
Tot Ion:156 Resp: 87529

Ion Ratio Lower Upper

156 100

77 152.7 78.0 233.8

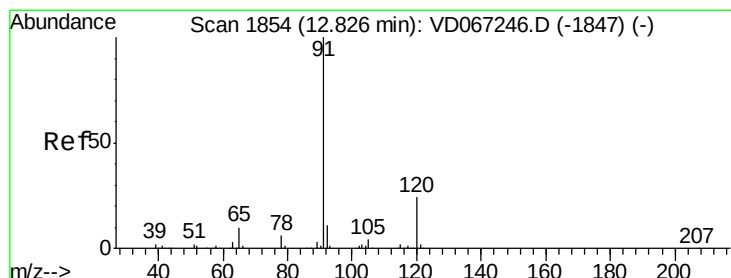
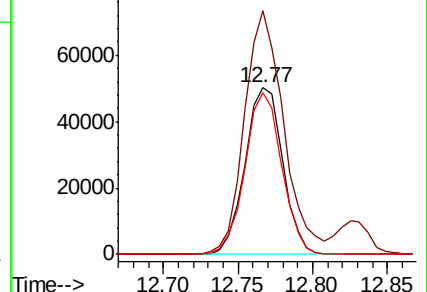
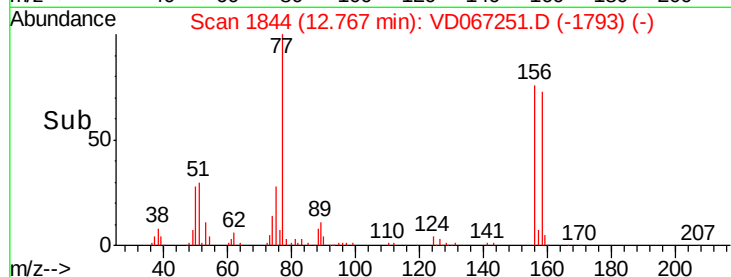
158 95.1 49.1 147.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.649 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD067251.D

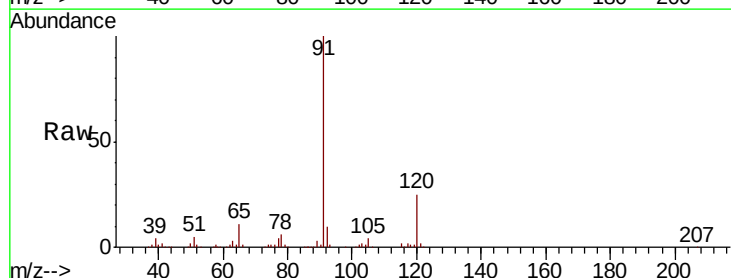
Acq: 13 Oct 2020 14:47

Tgt Ion: 91 Resp: 391710

Ion Ratio Lower Upper

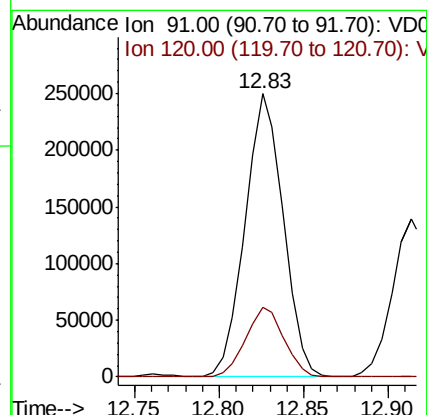
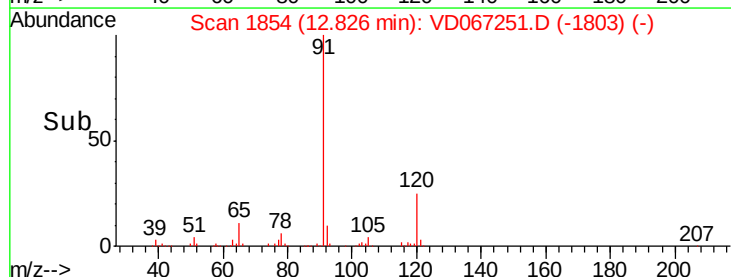
91 100

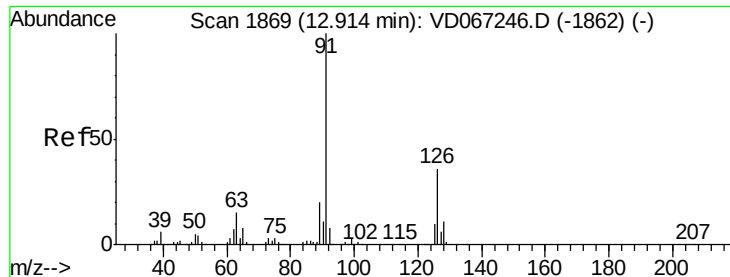
120 24.7 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.989 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD067251.D

Acq: 13 Oct 2020 14:47

Instrument :

MSVOA_D

ClientSampleId :

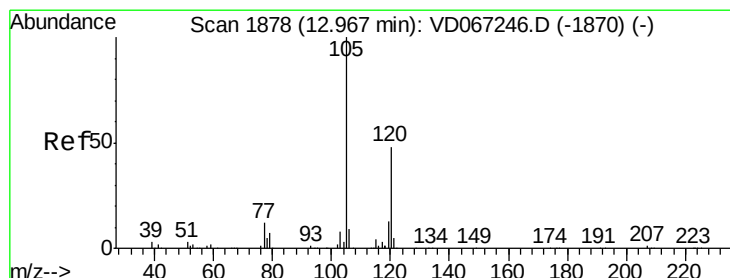
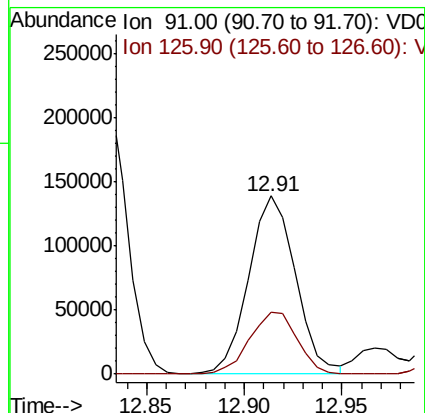
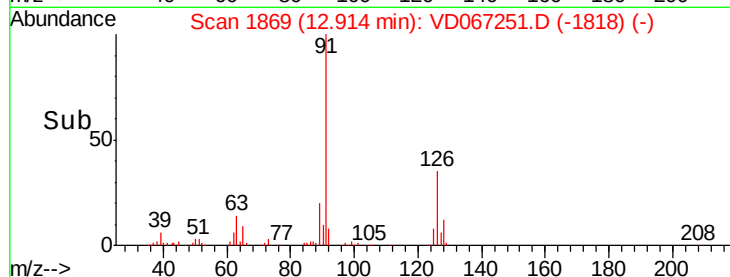
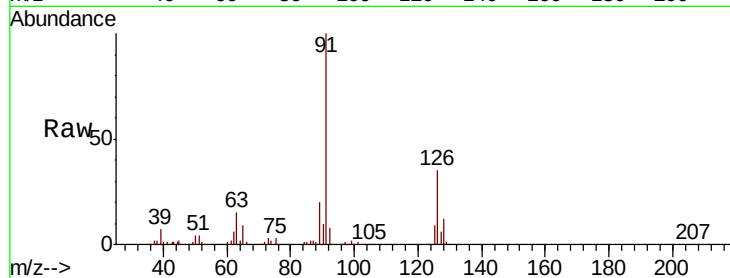
VD1013SBS01

Tot Ion: 91 Resp: 230906

Ion Ratio Lower Upper

91 100

126 35.8 17.6 52.8



#80

1,3,5-Trimethylbenzene

Concen: 20.939 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD067251.D

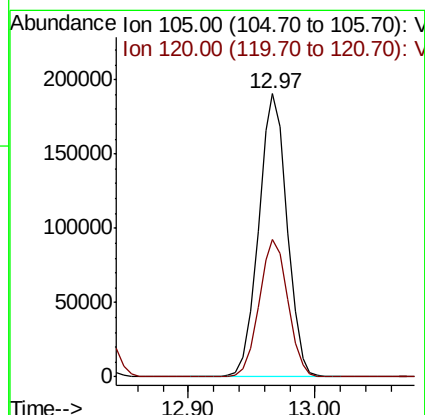
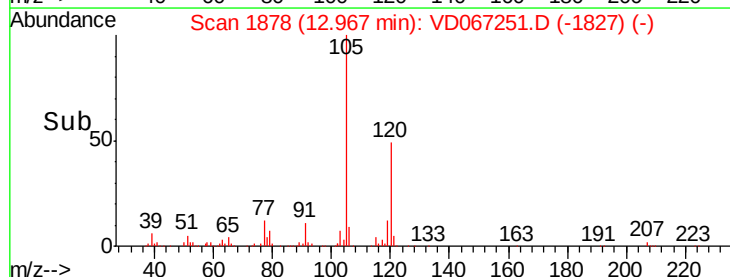
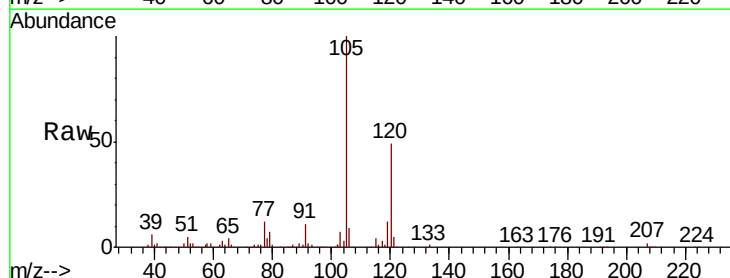
Acq: 13 Oct 2020 14:47

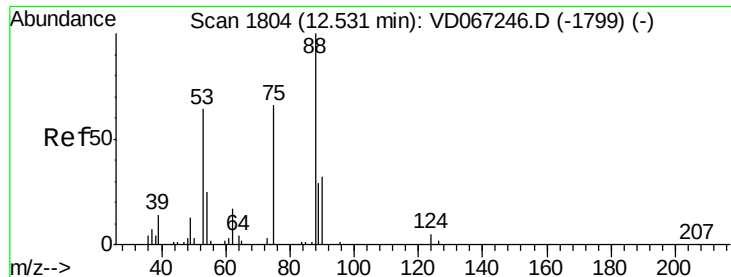
Tgt Ion: 105 Resp: 297930

Ion Ratio Lower Upper

105 100

120 49.1 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 21.445 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD067251.D

Acq: 13 Oct 2020 14:47

Instrument :

MSVOA_D

ClientSampleId :

VD1013SBS01

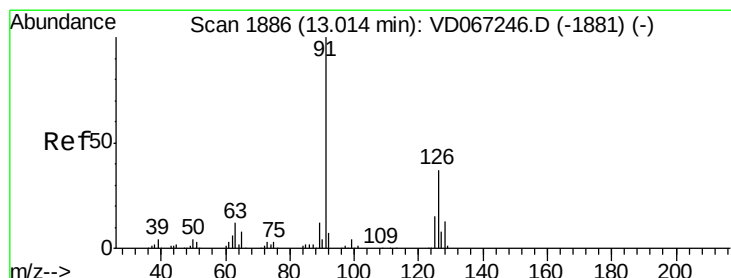
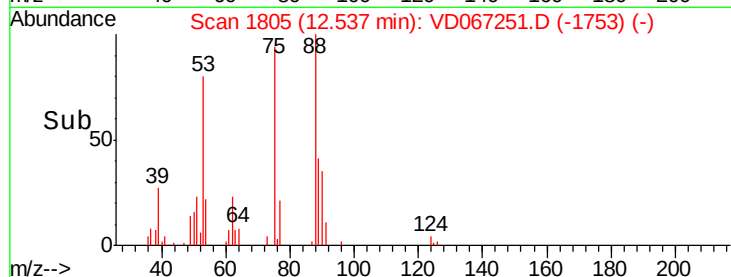
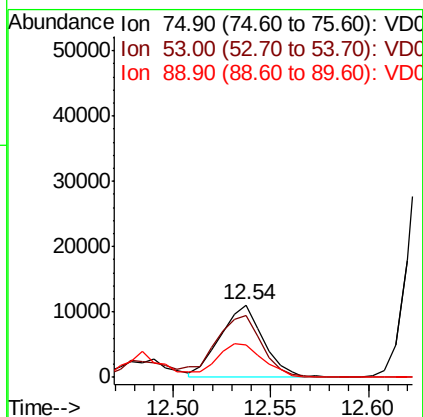
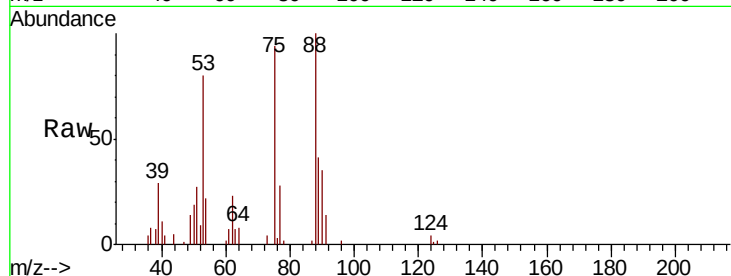
Tot Ion: 75 Resp: 16909

Ion Ratio Lower Upper

75 100

53 93.5 78.5 117.7

89 49.2 39.9 59.9



#82

4-Chlorotoluene

Concen: 20.595 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VD067251.D

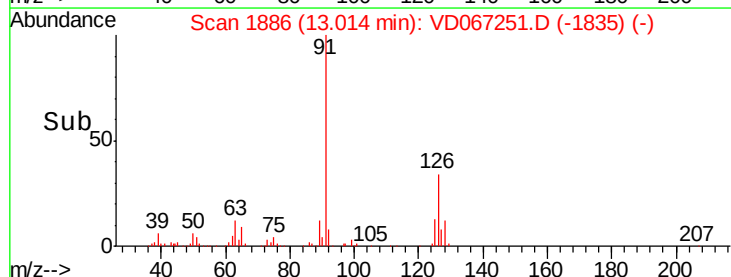
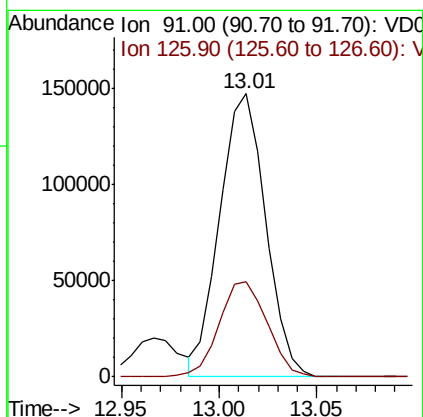
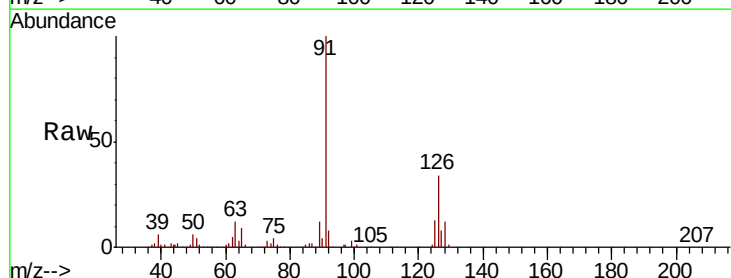
Acq: 13 Oct 2020 14:47

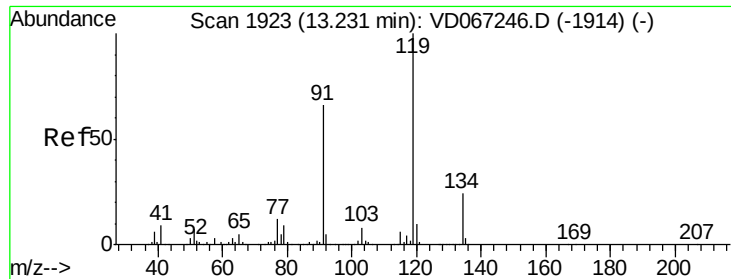
Tgt Ion: 91 Resp: 240467

Ion Ratio Lower Upper

91 100

126 35.2 17.8 53.5

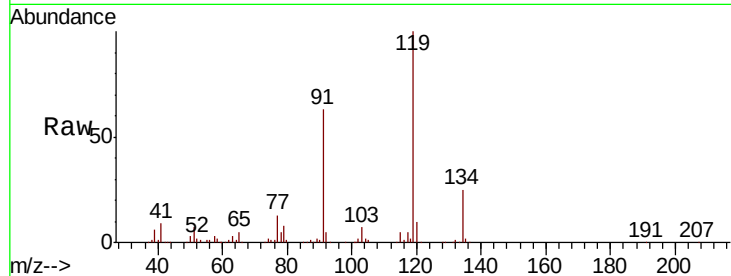




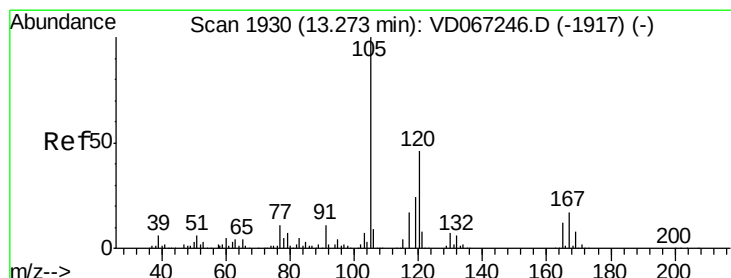
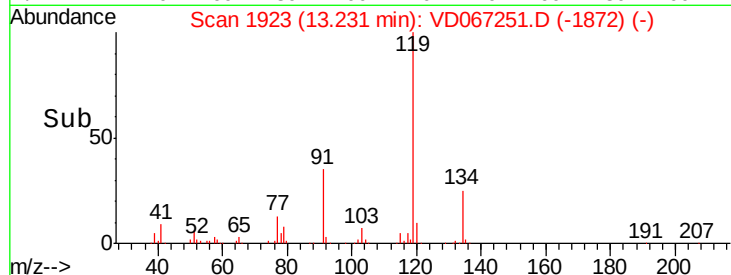
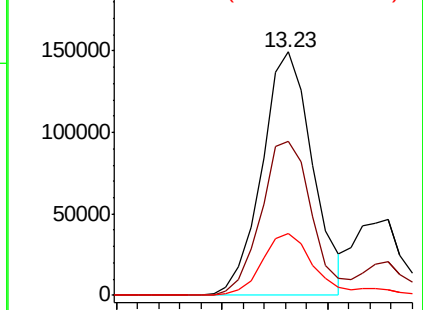
#83
 tert-Butylbenzene
 Concen: 20.734 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VD067251.D
 Acq: 13 Oct 2020 14:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1013SBS01

Tot Ion:119 Resp: 249196
 Ion Ratio Lower Upper
 119 100
 91 64.2 33.1 99.2
 134 27.3 13.3 39.9

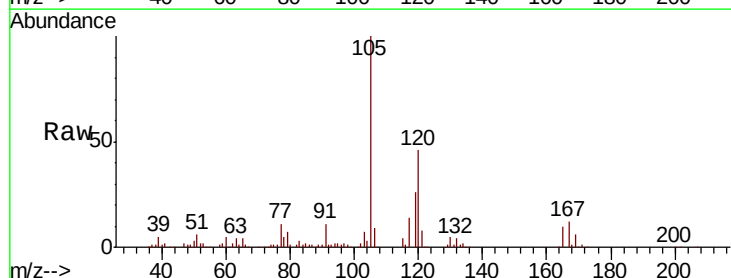


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

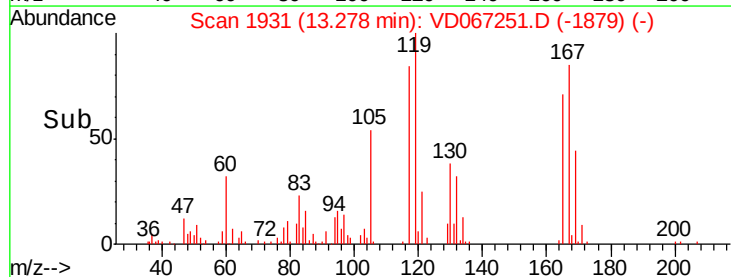
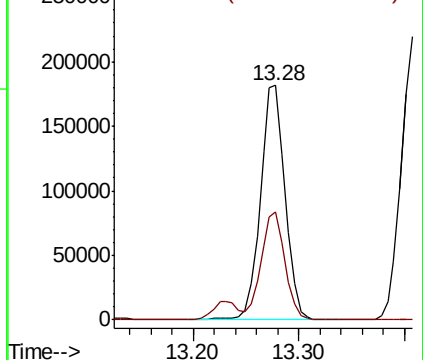


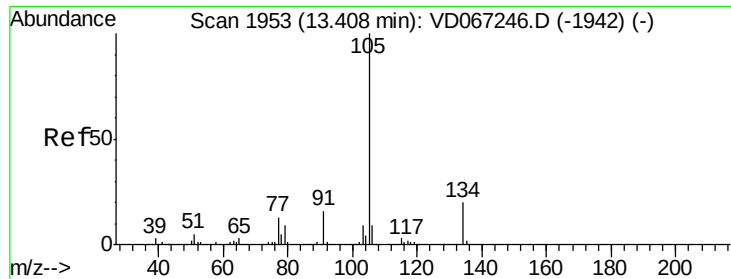
#84
 1,2,4-Trimethylbenzene
 Concen: 20.938 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.01 min
 Lab File: VD067251.D
 Acq: 13 Oct 2020 14:47

Tgt Ion:105 Resp: 294443
 Ion Ratio Lower Upper
 105 100
 120 44.5 22.4 67.3



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





#85

sec-Butylbenzene

Concen: 20.469 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD067251.D

Acq: 13 Oct 2020 14:47

Instrument :

MSVOA_D

ClientSampleId :

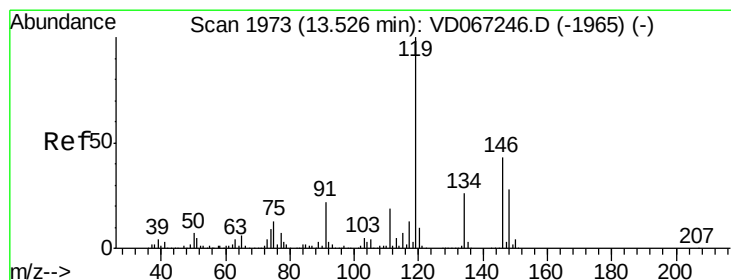
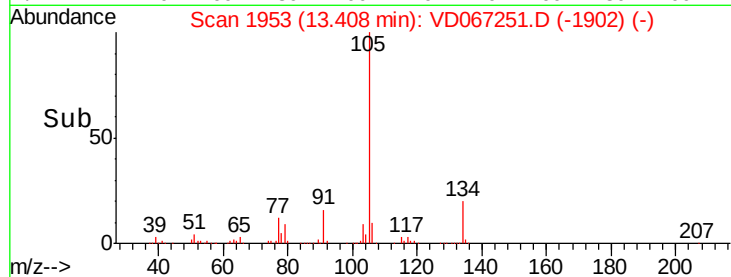
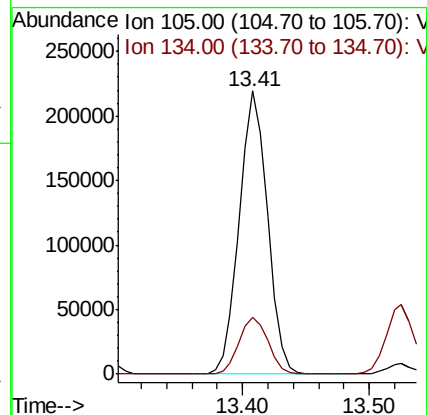
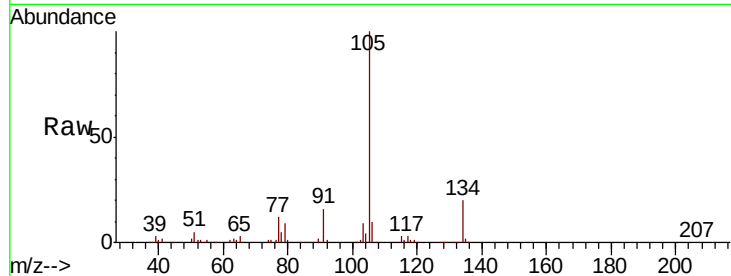
VD1013SBS01

Tot Ion:105 Resp: 337557

Ion Ratio Lower Upper

105 100

134 20.7 10.5 31.5



#86

p-Isopropyltoluene

Concen: 20.740 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD067251.D

Acq: 13 Oct 2020 14:47

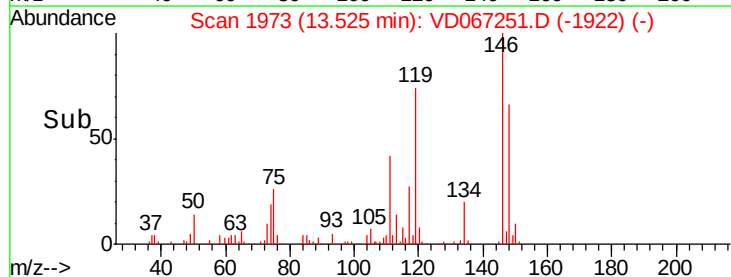
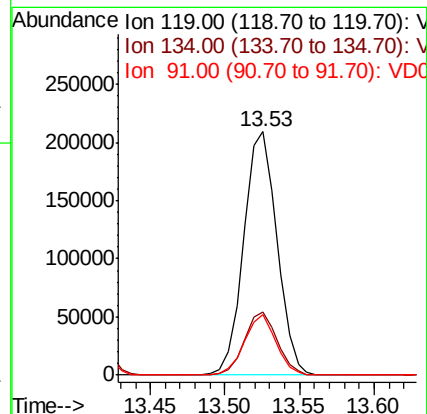
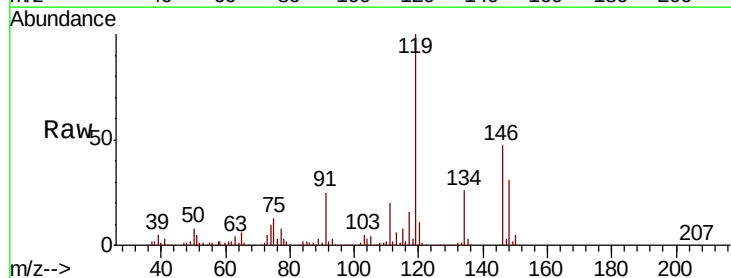
Tgt Ion:119 Resp: 322830

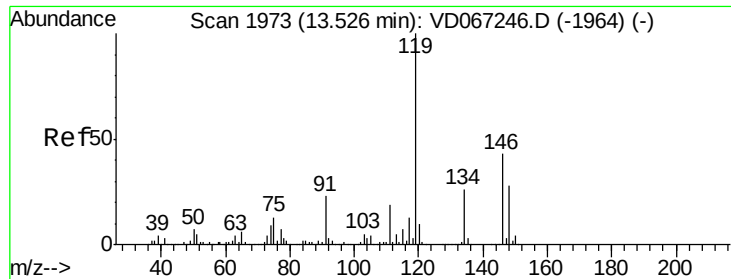
Ion Ratio Lower Upper

119 100

134 25.5 13.1 39.3

91 23.5 11.9 35.9

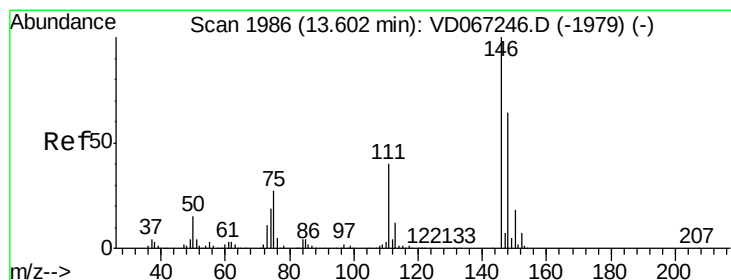
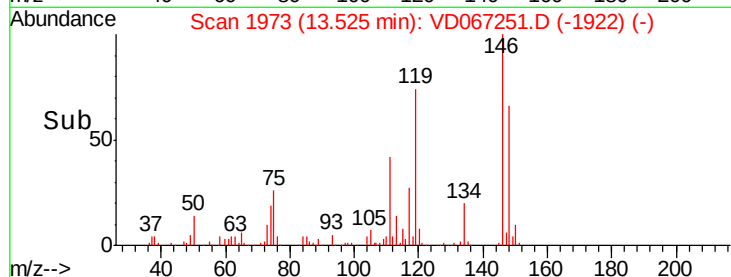
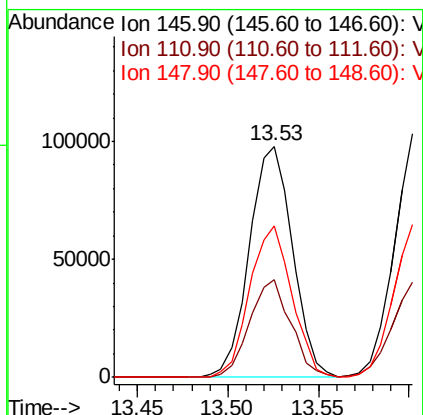
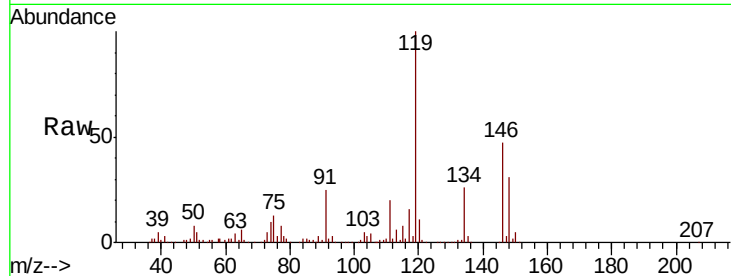




#87
 1,3-Dichlorobenzene
 Concen: 20.610 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD067251.D
 Acq: 13 Oct 2020 14:47

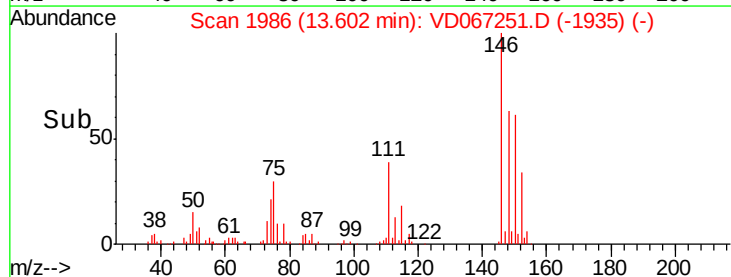
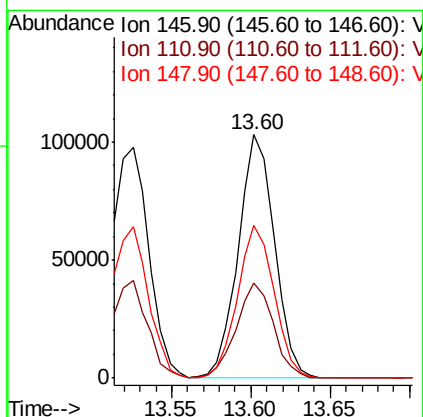
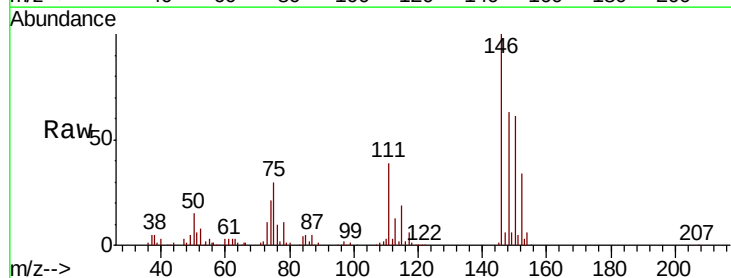
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1013SBS01

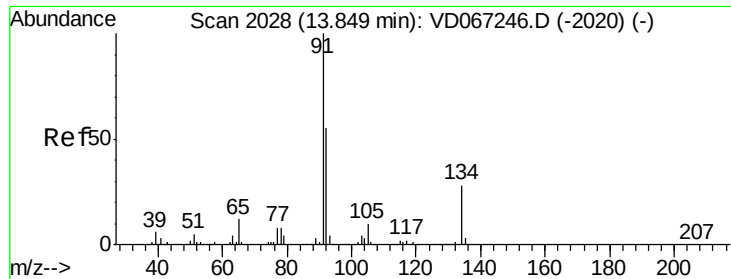
Tot Ion:146 Resp: 161933
 Ion Ratio Lower Upper
 146 100
 111 40.5 21.1 63.3
 148 64.2 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 21.151 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD067251.D
 Acq: 13 Oct 2020 14:47

Tgt Ion:146 Resp: 164647
 Ion Ratio Lower Upper
 146 100
 111 39.9 19.9 59.7
 148 63.2 31.9 95.9

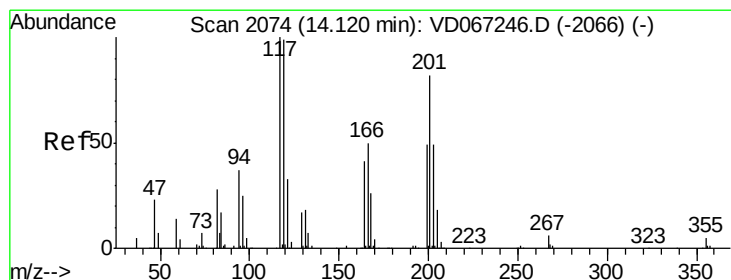
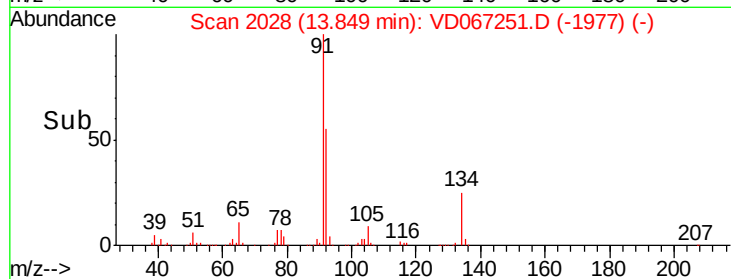
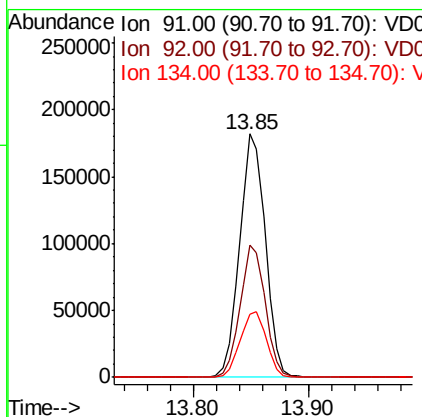
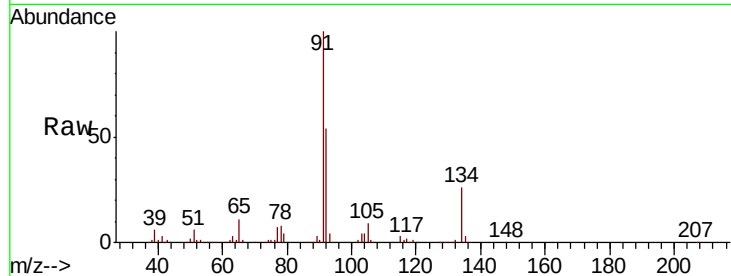




#89
n-Butylbenzene
Concen: 20.525 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD067251.D
Acq: 13 Oct 2020 14:47

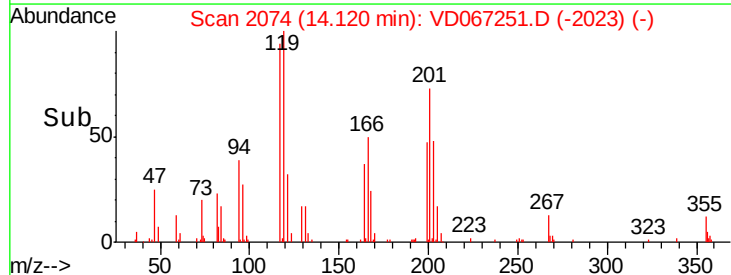
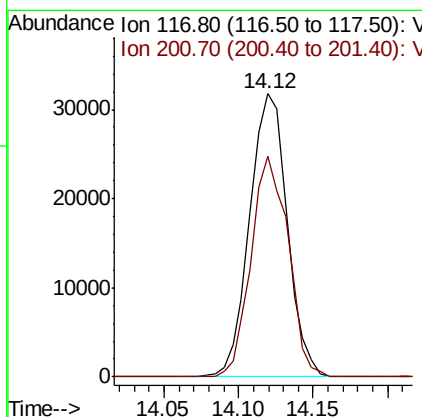
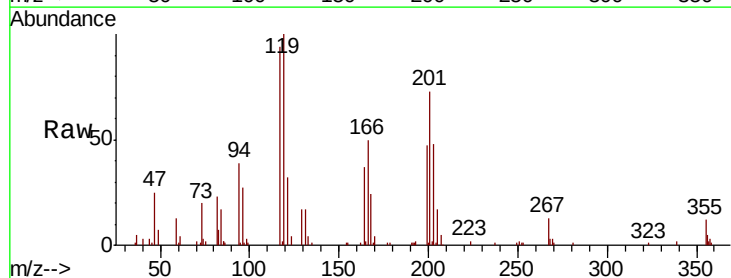
Instrument :
MSVOA_D
ClientSampleId :
VD1013SBS01

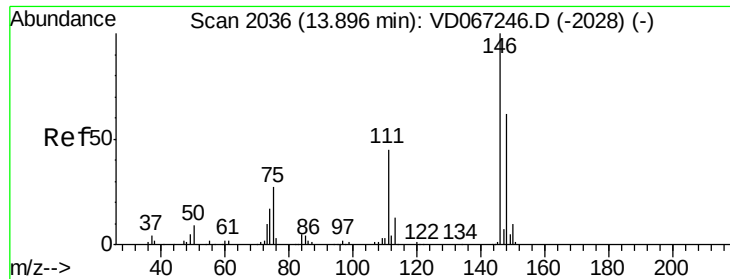
Tot Ion: 91 Resp: 281070
Ion Ratio Lower Upper
91 100
92 52.9 26.7 80.0
134 27.7 14.2 42.6



#90
Hexachloroethane
Concen: 20.352 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD067251.D
Acq: 13 Oct 2020 14:47

Tgt Ion: 117 Resp: 55283
Ion Ratio Lower Upper
117 100
201 76.9 40.8 122.2

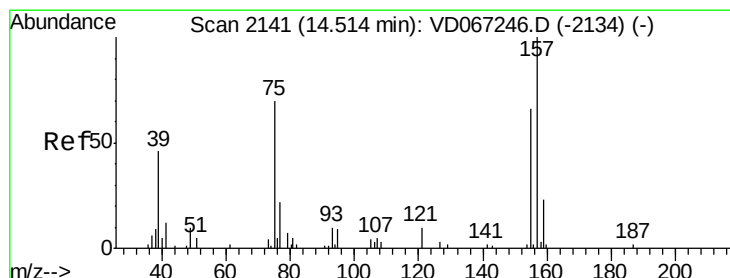
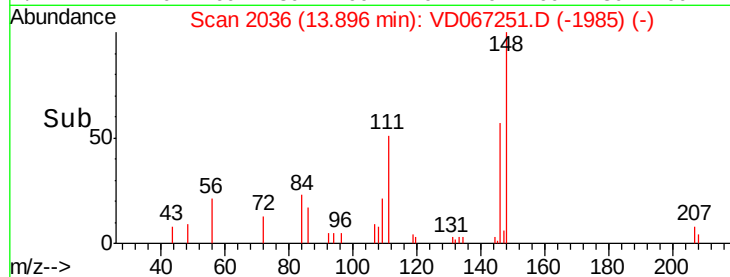
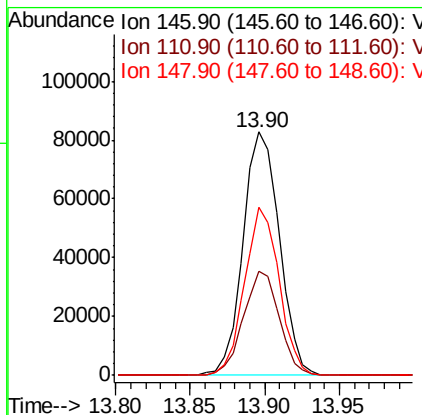
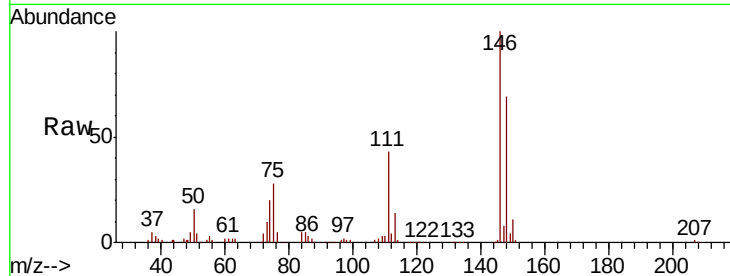




#91
 1,2-Dichlorobenzene
 Concen: 20.257 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD067251.D
 Acq: 13 Oct 2020 14:47

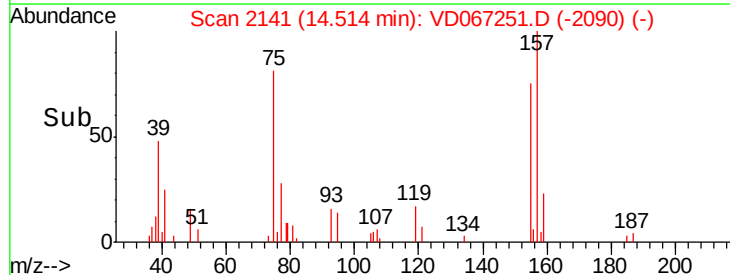
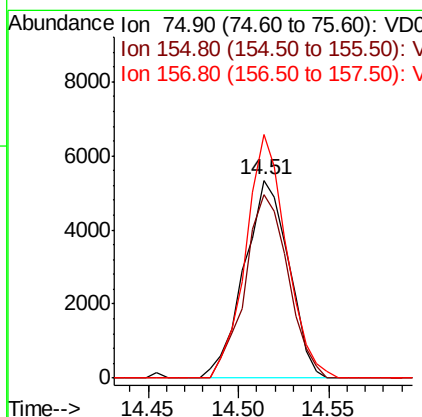
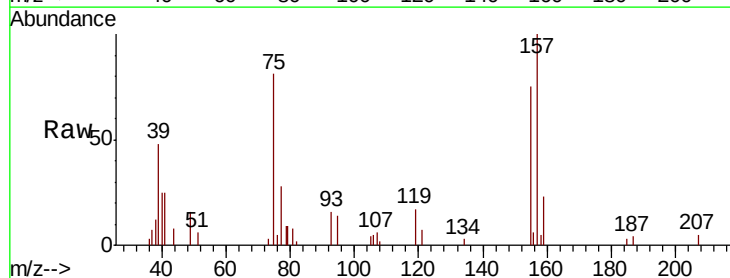
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1013SBS01

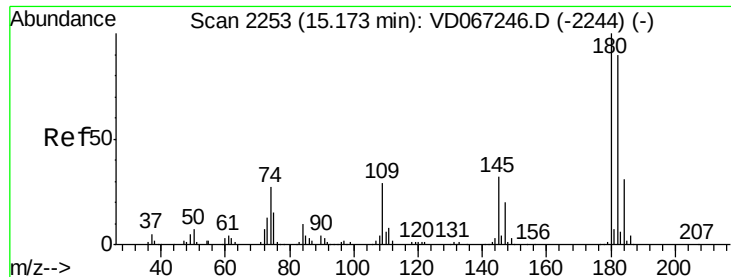
Tot Ion:146 Resp: 139038
 Ion Ratio Lower Upper
 146 100
 111 42.2 22.0 66.0
 148 65.8 32.5 97.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.052 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VD067251.D
 Acq: 13 Oct 2020 14:47

Tgt Ion: 75 Resp: 9139
 Ion Ratio Lower Upper
 75 100
 155 90.0 44.8 134.4
 157 112.3 62.5 187.4

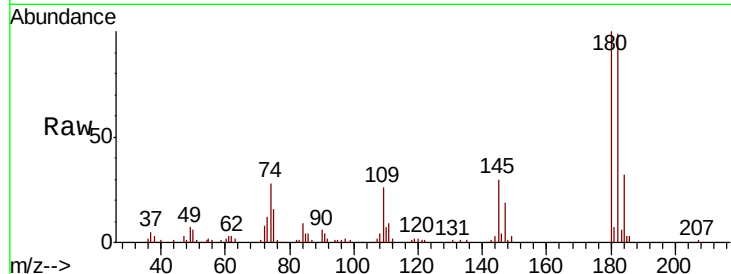




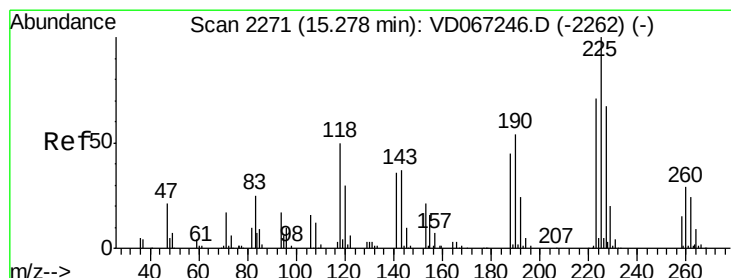
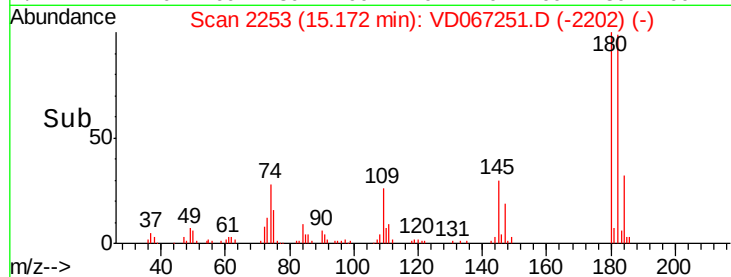
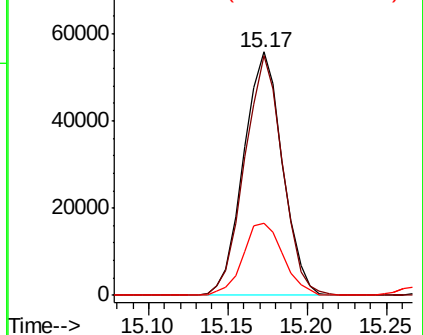
#93
 1,2,4-Trichlorobenzene
 Concen: 20.577 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VD067251.D
 Acq: 13 Oct 2020 14:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1013SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	48.1	144.4
145	30.7	16.3	48.9

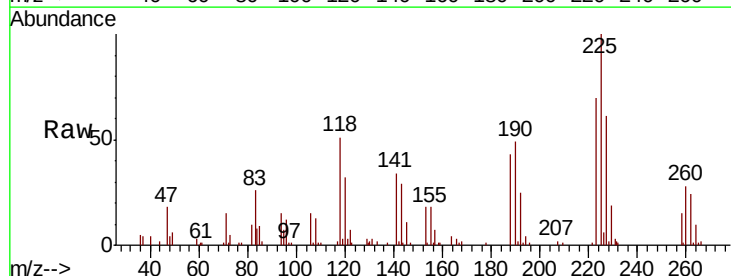


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

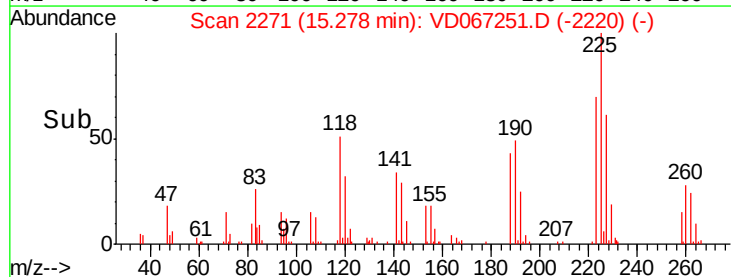
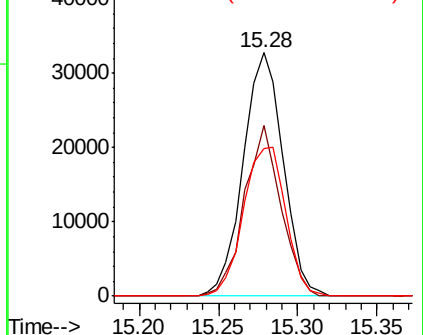


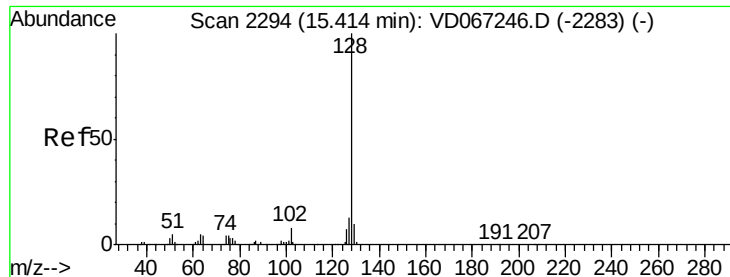
#94
 Hexachlorobutadiene
 Concen: 20.031 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD067251.D
 Acq: 13 Oct 2020 14:47

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.0	31.9	95.7
227	64.6	31.2	93.6



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

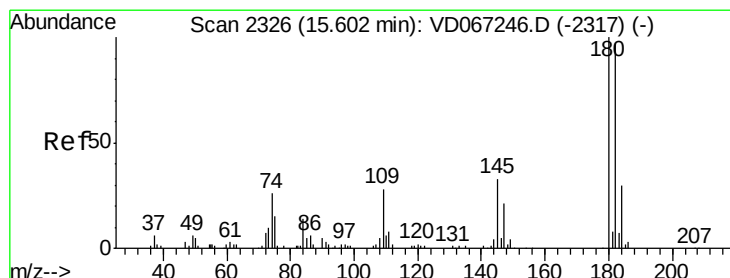
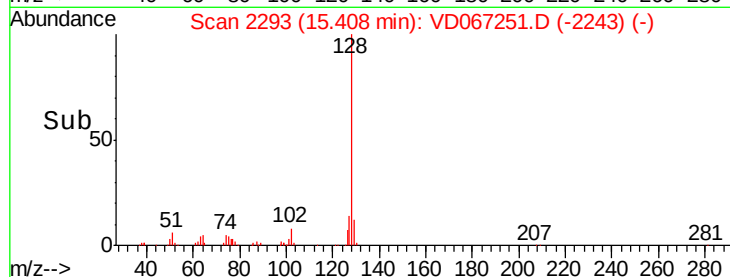
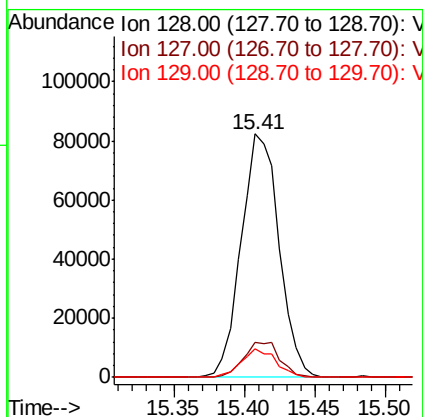
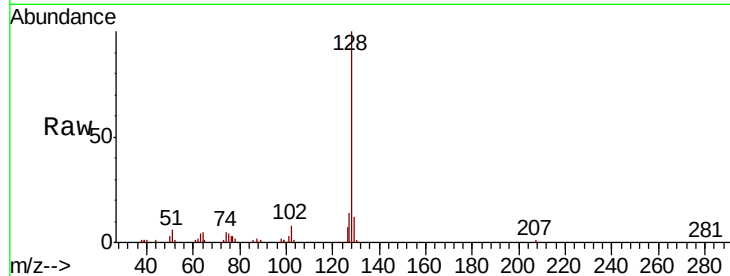




#95
Naphthalene
Concen: 20.420 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD067251.D
Acq: 13 Oct 2020 14:47

Instrument :
MSVOA_D
ClientSampleId :
VD1013SBS01

Tot Ion:128 Resp: 155149
Ion Ratio Lower Upper
128 100
127 13.9 10.4 15.6
129 10.8 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 20.617 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VD067251.D
Acq: 13 Oct 2020 14:47

Tgt Ion:180 Resp: 82426
Ion Ratio Lower Upper
180 100
182 100.7 48.1 144.3
145 34.8 17.3 51.9

