

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102920\
 Data File : VD067448.D
 Acq On : 29 Oct 2020 13:29
 Operator : VA/SY
 Sample : VD1029SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBS01

Quant Time: Oct 30 02:26:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	316447	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	466018	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	427502	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	219267	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	157020	49.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.06%	
35) Dibromofluoromethane	7.92	113	162173	52.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.58%	
50) Toluene-d8	10.34	98	590592	52.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.24%	
62) 4-Bromofluorobenzene	12.64	95	211264	54.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	52022	17.651	ug/l	94
3) Chloromethane	2.21	50	36683	18.419	ug/l	99
4) Vinyl Chloride	2.34	62	39630	18.136	ug/l	92
5) Bromomethane	2.76	94	31465	19.247	ug/l	92
6) Chloroethane	2.91	64	25305	18.595	ug/l	98
7) Trichlorofluoromethane	3.27	101	111845	20.326	ug/l	99
8) Diethyl Ether	3.71	74	24696	19.614	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.09	101	61082	20.894	ug/l	98
10) Methyl Iodide	4.30	142	55288	20.502	ug/l	97
11) Tert butyl alcohol	5.22	59	22808	113.474	ug/l #	96
12) 1,1-Dichloroethene	4.07	96	51469	19.707	ug/l	96
13) Acrolein	3.92	56	9034	65.211	ug/l	96
14) Allyl chloride	4.71	41	59708	19.963	ug/l	96
15) Acrylonitrile	5.42	53	44909	106.894	ug/l	97
16) Acetone	4.16	43	49886	112.355	ug/l	96
17) Carbon Disulfide	4.41	76	136818	18.376	ug/l	99
18) Methyl Acetate	4.73	43	20750	20.489	ug/l #	41
19) Methyl tert-butyl Ether	5.47	73	106998	20.604	ug/l	95
20) Methylene Chloride	4.97	84	71298	22.610	ug/l	98
21) trans-1,2-Dichloroethene	5.48	96	63233	21.039	ug/l	99
22) Diisopropyl ether	6.37	45	116533	21.329	ug/l	97
23) Vinyl Acetate	6.31	43	321949	103.575	ug/l	94
24) 1,1-Dichloroethane	6.26	63	98927	21.152	ug/l	95
25) 2-Butanone	7.21	43	55238	109.140	ug/l	89
26) 2,2-Dichloropropane	7.21	77	100324	20.811	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	70086	21.277	ug/l	100
28) Bromochloromethane	7.54	49	31910	20.003	ug/l #	100
29) Tetrahydrofuran	7.56	42	28768	102.253	ug/l	97
30) Chloroform	7.71	83	120629	21.591	ug/l	92
31) Cyclohexane	7.99	56	71889	19.687	ug/l	91
32) 1,1,1-Trichloroethane	7.90	97	111884	20.410	ug/l	97
36) 1,1-Dichloropropene	8.12	75	82122	20.791	ug/l	99
37) Ethyl Acetate	7.29	43	23754	20.441	ug/l #	73
38) Carbon Tetrachloride	8.10	117	106298	21.057	ug/l	94

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Quant Time: Oct 30 02:26:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	85972	20.820	ug/l	99
40) Benzene	8.35	78	232839	21.488	ug/l	97
41) Methacrylonitrile	7.53	41	16161	25.735	ug/l #	56
42) 1,2-Dichloroethane	8.43	62	73476	21.668	ug/l	100
43) Isopropyl Acetate	8.46	43	49613	21.515	ug/l	98
44) Trichloroethene	9.11	130	76386	22.017	ug/l	93
45) 1,2-Dichloropropane	9.39	63	54477	21.693	ug/l	99
46) Dibromomethane	9.48	93	33057	21.127	ug/l	97
47) Bromodichloromethane	9.67	83	90519	21.593	ug/l	94
48) Methyl methacrylate	9.46	41	23469	20.943	ug/l	98
49) 1,4-Dioxane	9.47	88	7827	501.784	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	126080	109.623	ug/l	97
52) Toluene	10.41	92	163688	22.179	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	78692	21.369	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	91433	21.215	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	47031	22.043	ug/l	92
56) Ethyl methacrylate	10.67	69	46225	20.890	ug/l	99
57) 1,3-Dichloropropane	10.95	76	75402	22.206	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	123921	109.165	ug/l	97
59) 2-Hexanone	10.99	43	85518	108.813	ug/l	96
60) Dibromochloromethane	11.14	129	65817	21.152	ug/l	96
61) 1,2-Dibromoethane	11.25	107	42727	20.313	ug/l	89
64) Tetrachloroethene	10.88	164	66929	21.608	ug/l	98
65) Chlorobenzene	11.67	112	177657	21.671	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.75	131	69864	21.443	ug/l	97
67) Ethyl Benzene	11.75	91	305239	21.721	ug/l	99
68) m/p-Xylenes	11.86	106	242463	44.806	ug/l	96
69) o-Xylene	12.18	106	108654	21.683	ug/l	96
70) Styrene	12.20	104	189653	21.986	ug/l	99
71) Bromoform	12.37	173	39969	22.835	ug/l #	97
73) Isopropylbenzene	12.48	105	305577	21.958	ug/l	100
74) N-amyl acetate	12.29	43	44951	21.387	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	47472	22.264	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	63246	41.617	ug/l #	100
77) Bromobenzene	12.77	156	77251	22.266	ug/l	99
78) n-propylbenzene	12.83	91	355847	22.070	ug/l	100
79) 2-Chlorotoluene	12.91	91	203070	21.718	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	264701	21.889	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	14258	21.275	ug/l	95
82) 4-Chlorotoluene	13.01	91	220778	22.247	ug/l	100
83) tert-Butylbenzene	13.23	119	230133	22.529	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	265659	22.226	ug/l	98
85) sec-Butylbenzene	13.41	105	307912	21.967	ug/l	99
86) p-Isopropyltoluene	13.52	119	292795	22.131	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	147839	22.139	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	147031	22.223	ug/l	99
89) n-Butylbenzene	13.85	91	251483	21.607	ug/l	99
90) Hexachloroethane	14.12	117	50514	21.880	ug/l	94
91) 1,2-Dichlorobenzene	13.90	146	127268	21.816	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	8793	22.699	ug/l	89

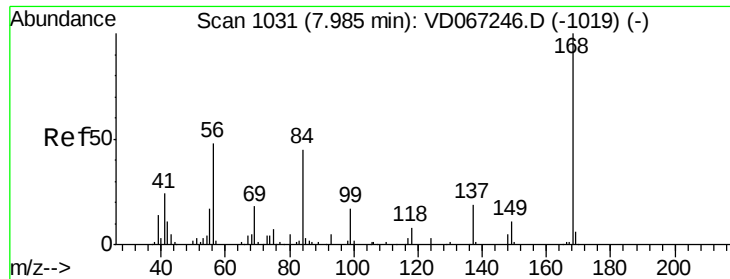
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102920\
Data File : VD067448.D
Acq On : 29 Oct 2020 13:29
Operator : VA/SY
Sample : VD1029SBSD01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
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Instrument :
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ClientSampleId :
VD1029SBSD01

Quant Time: Oct 30 02:26:57 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
Quant Title : SW846 8260
QLast Update : Mon Oct 19 19:13:29 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	86637	22.027	ug/l	99
94) Hexachlorobutadiene	15.27	225	53864	22.053	ug/l	96
95) Naphthalene	15.41	128	136321	21.110	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	76827	22.610	ug/l	98

(#) = 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: VD067448.D

Acq: 29 Oct 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

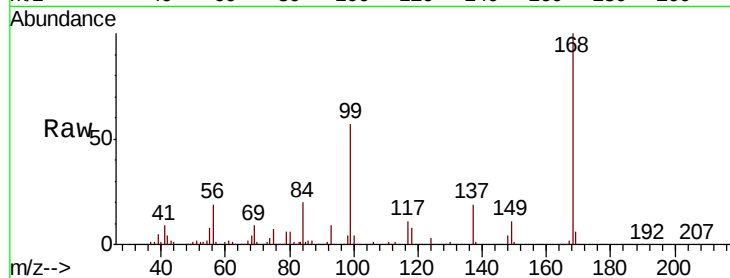
VD1029SBSD01

Tot Ion:168 Resp: 316447

Ion Ratio Lower Upper

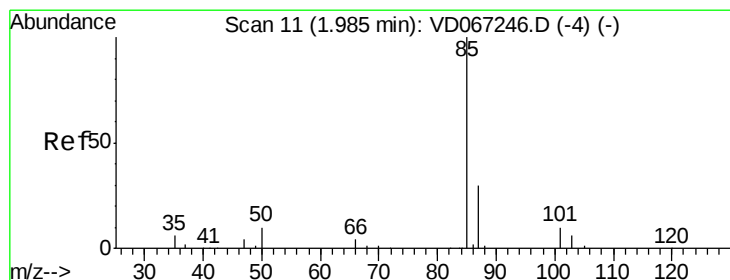
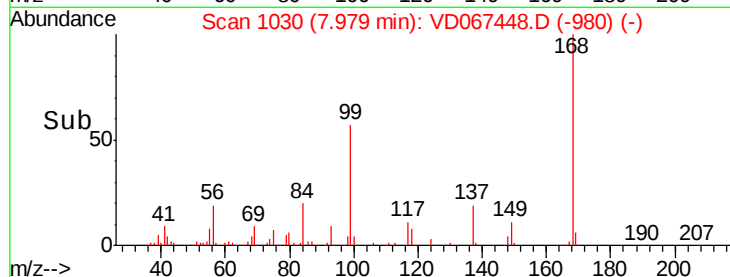
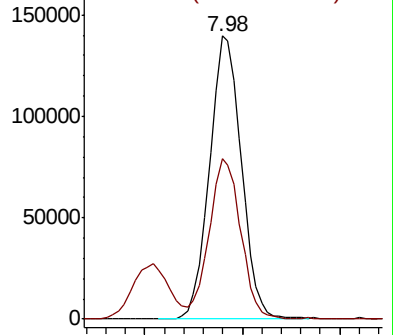
168 100

99 56.4 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 17.651 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067448.D

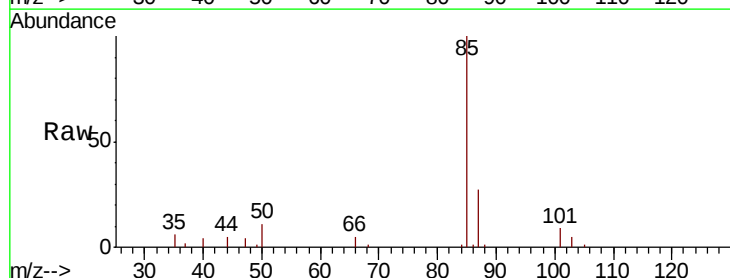
Acq: 29 Oct 2020 13:29

Tgt Ion: 85 Resp: 52022

Ion Ratio Lower Upper

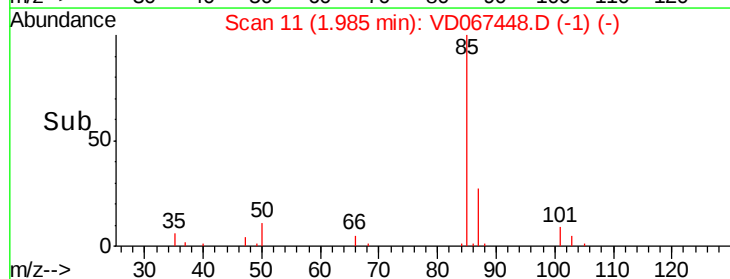
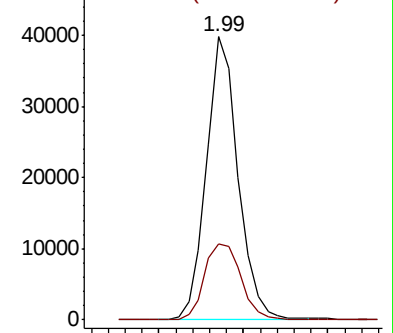
85 100

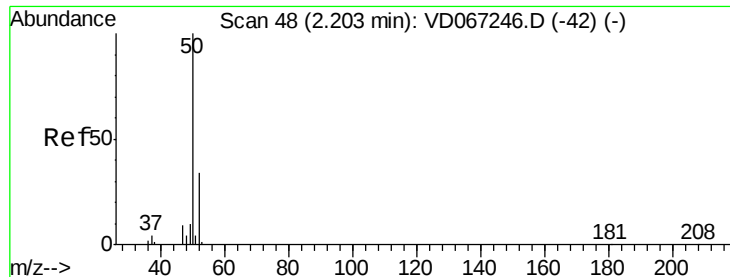
87 27.0 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 18.419 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD067448.D

Acq: 29 Oct 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

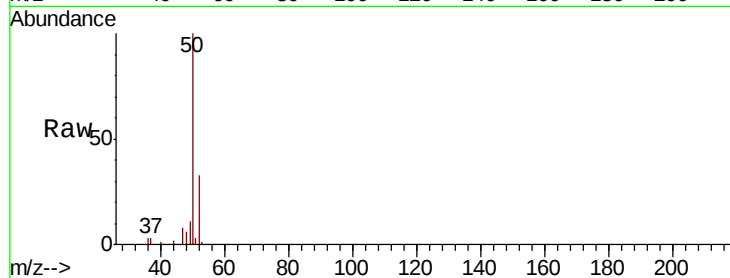
VD1029SBSD01

Tot Ion: 50 Resp: 36683

Ion Ratio Lower Upper

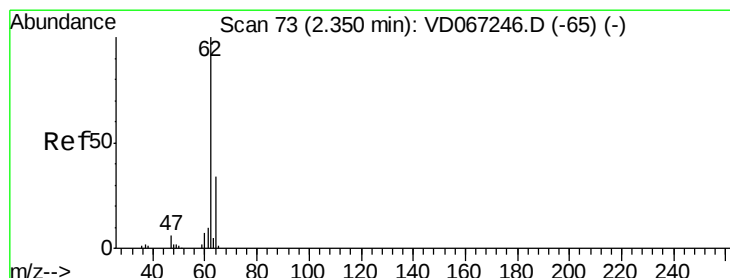
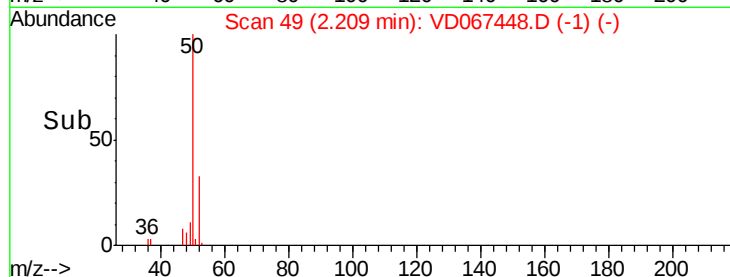
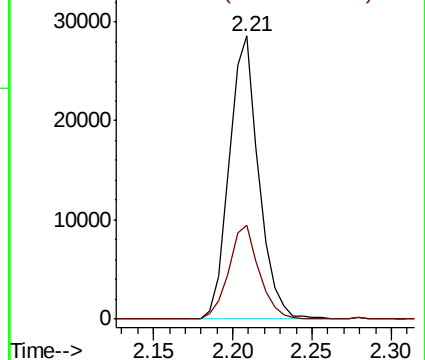
50 100

52 33.1 27.1 40.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 18.136 ug/l

RT: 2.34 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD067448.D

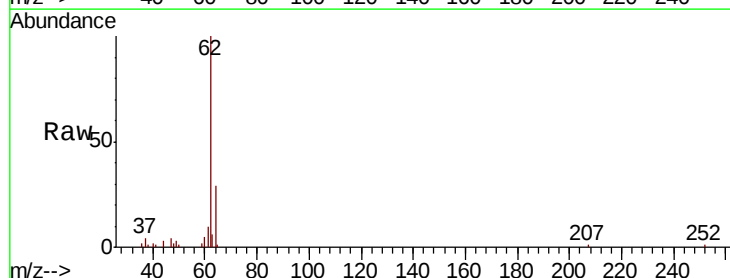
Acq: 29 Oct 2020 13:29

Tgt Ion: 62 Resp: 39630

Ion Ratio Lower Upper

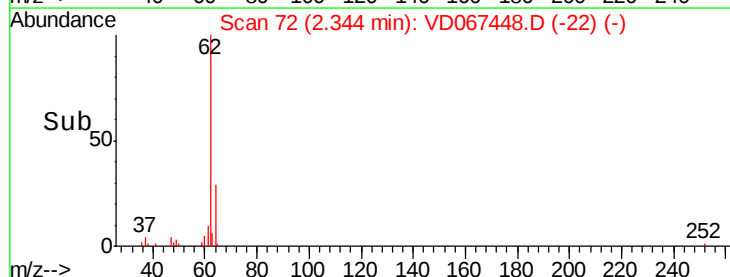
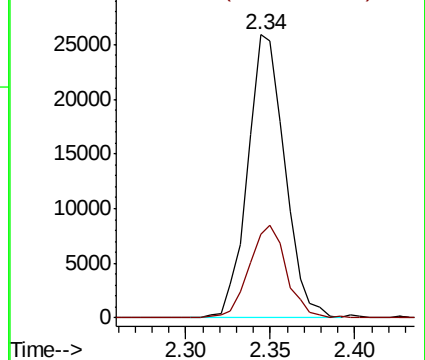
62 100

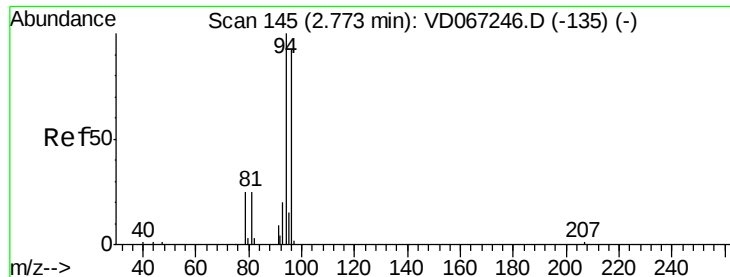
64 29.4 27.4 41.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 19.247 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD067448.D

Acq: 29 Oct 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

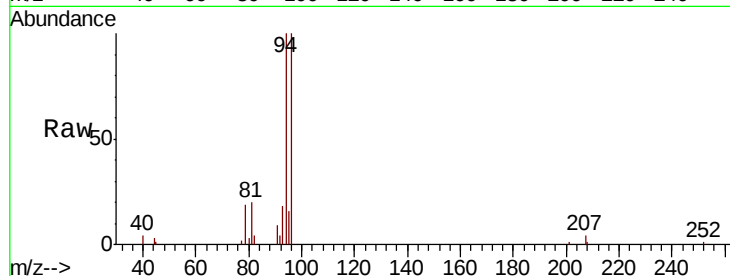
VD1029SBSD01

Tot Ion: 94 Resp: 31465

Ion Ratio Lower Upper

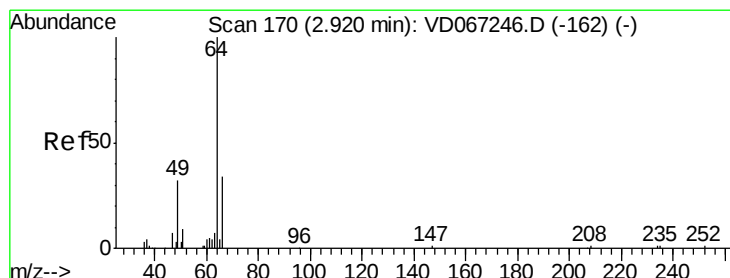
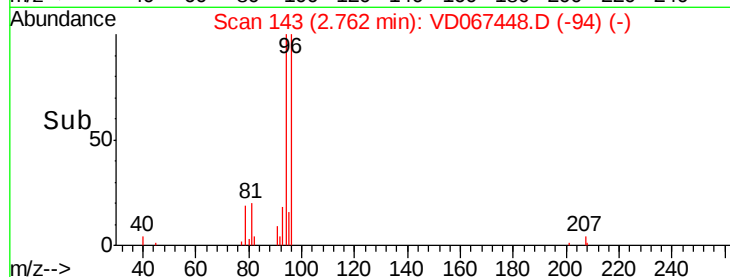
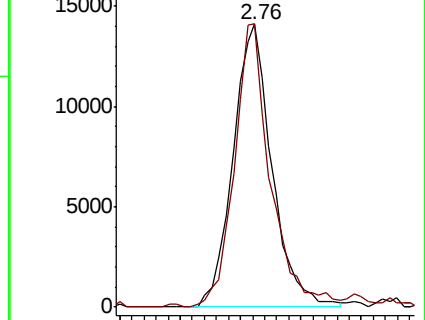
94 100

96 99.9 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: 18.595 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD067448.D

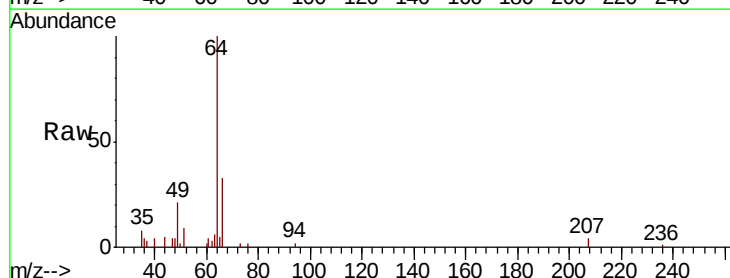
Acq: 29 Oct 2020 13:29

Tgt Ion: 64 Resp: 25305

Ion Ratio Lower Upper

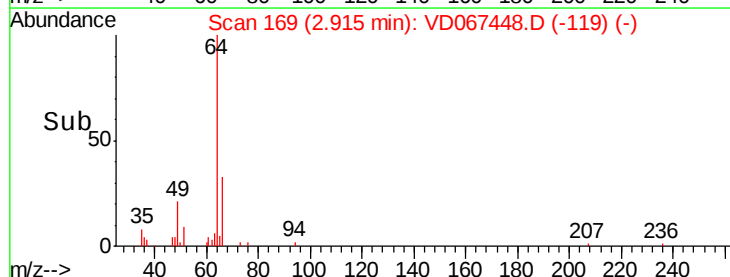
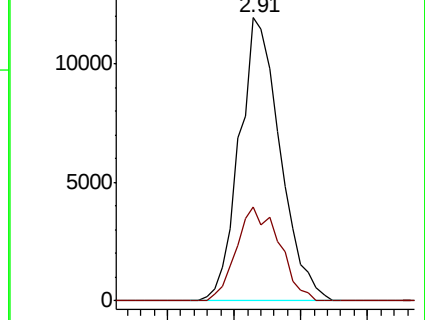
64 100

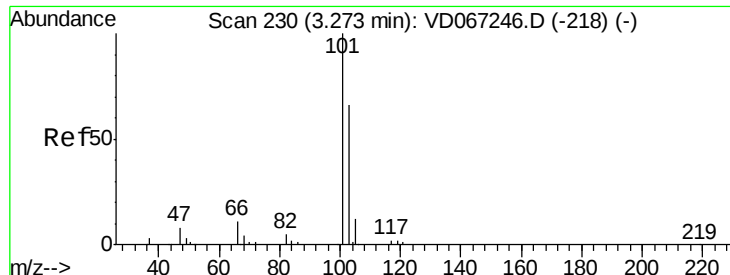
66 33.0 27.4 41.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



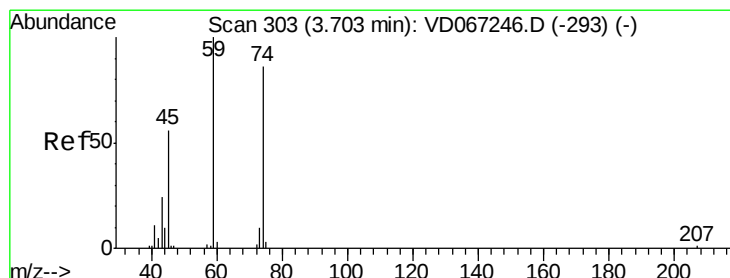
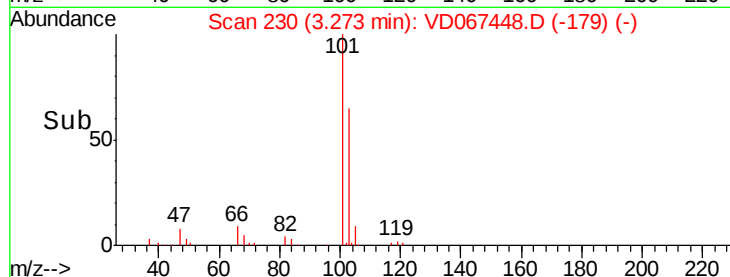
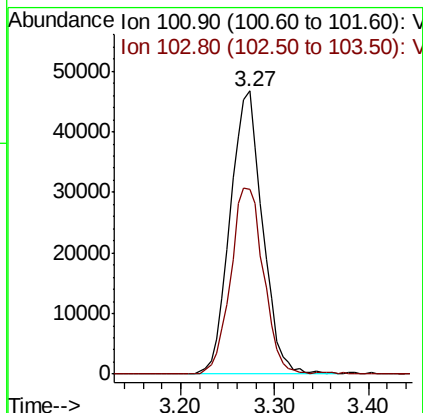
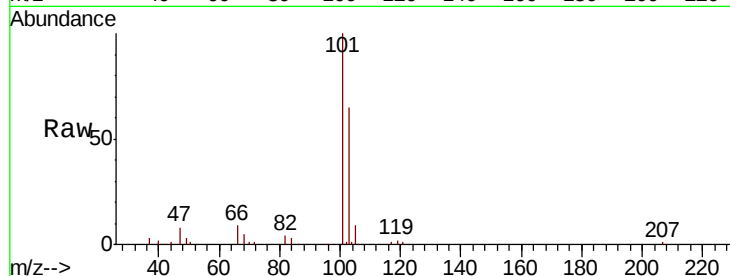


#7

Trichlorofluoromethane
 Concen: 20.326 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD067448.D
 Acq: 29 Oct 2020 13:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBSD01

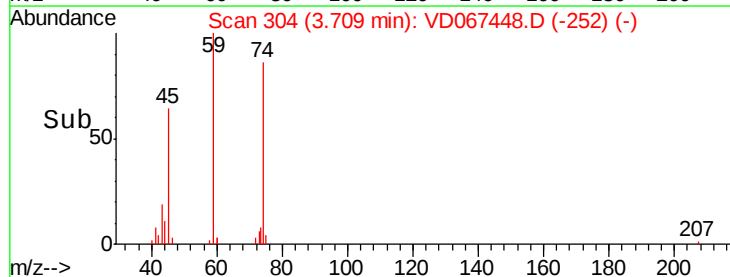
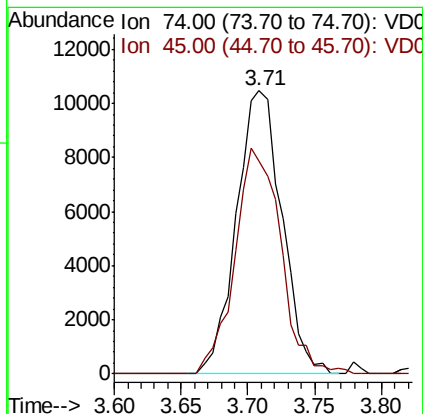
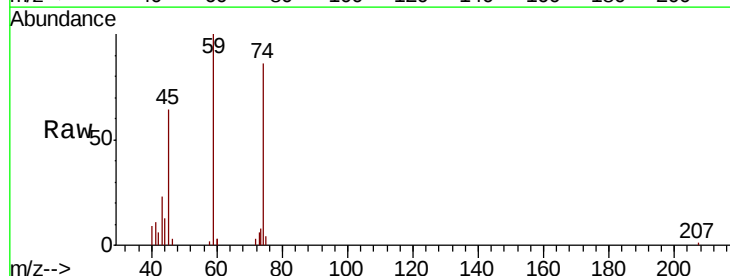
Tot Ion:101 Resp: 111845
 Ion Ratio Lower Upper
 101 100
 103 65.3 53.1 79.7

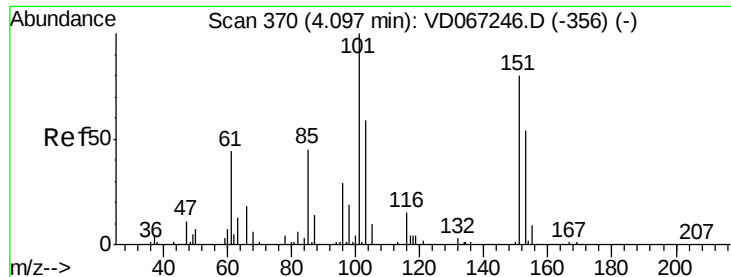


#8

Diethyl Ether
 Concen: 19.614 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.01 min
 Lab File: VD067448.D
 Acq: 29 Oct 2020 13:29

Tgt Ion: 74 Resp: 24696
 Ion Ratio Lower Upper
 74 100
 45 80.6 37.0 111.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.894 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD067448.D

Acq: 29 Oct 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBSD01

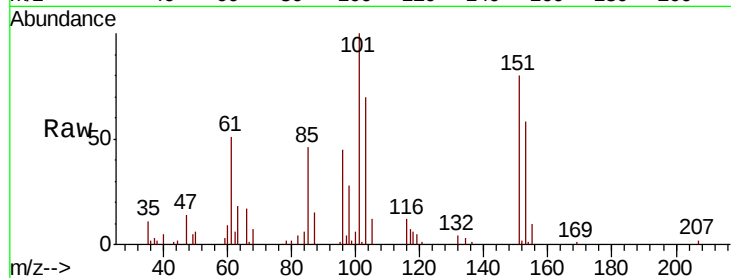
Tot Ion:101 Resp: 61082

Ion Ratio Lower Upper

101 100

85 40.7 34.2 51.4

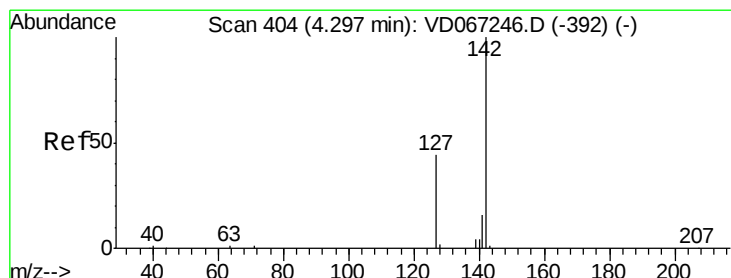
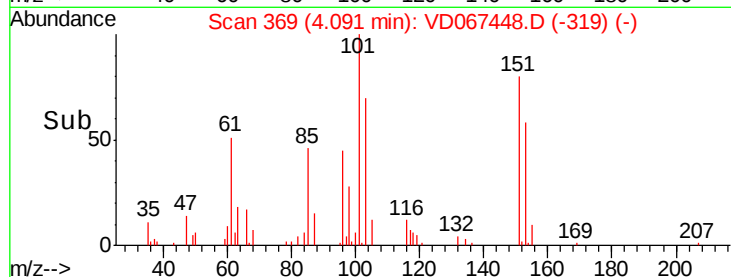
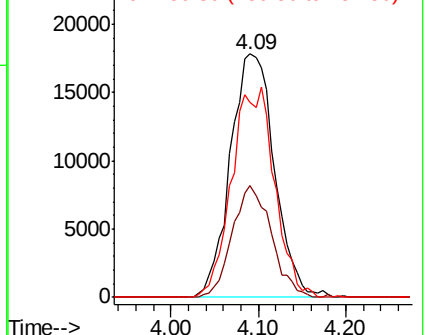
151 83.6 66.3 99.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.502 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

Lab File: VD067448.D

Acq: 29 Oct 2020 13:29

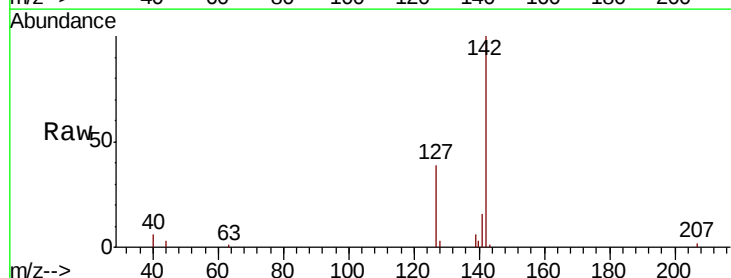
Tgt Ion:142 Resp: 55288

Ion Ratio Lower Upper

142 100

127 45.7 38.4 57.6

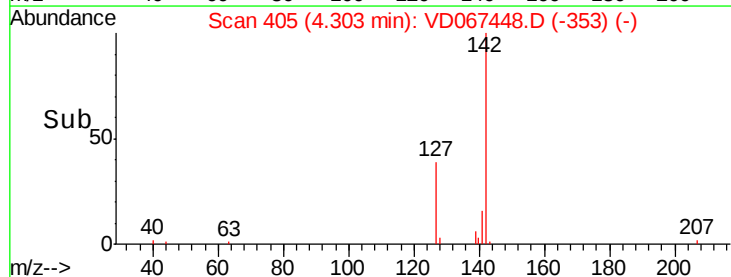
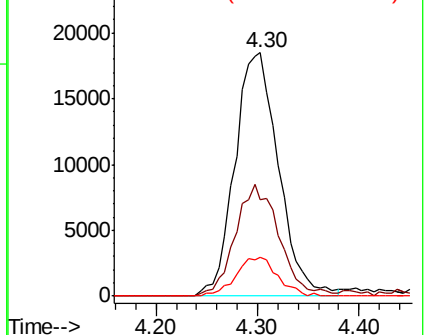
141 15.3 11.6 17.4

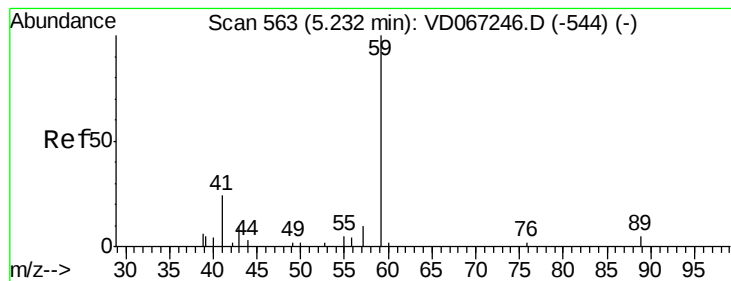


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



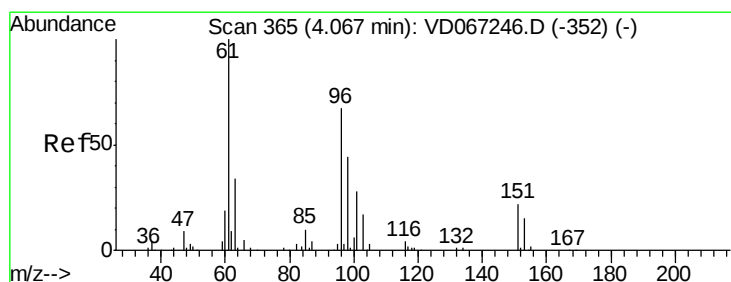
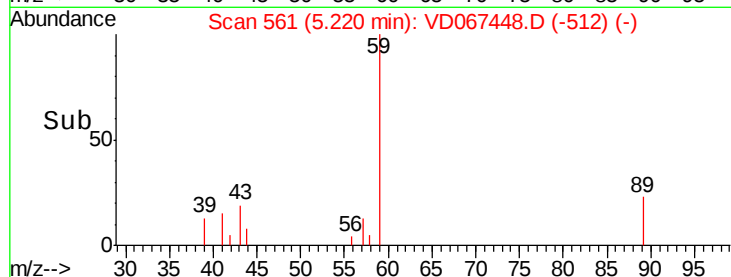
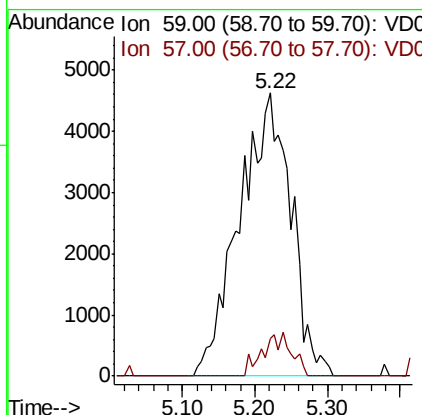
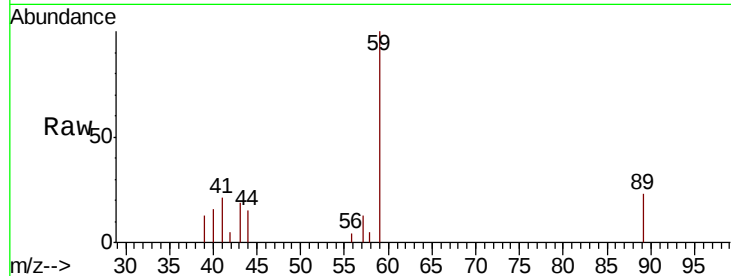


#11

Tert butyl alcohol
 Concen: 113.474 ug/l
 RT: 5.22 min Scan# 561
 Delta R.T. -0.01 min
 Lab File: VD067448.D
 Acq: 29 Oct 2020 13:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBSD01

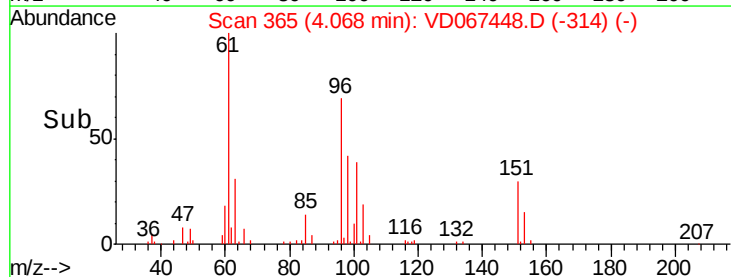
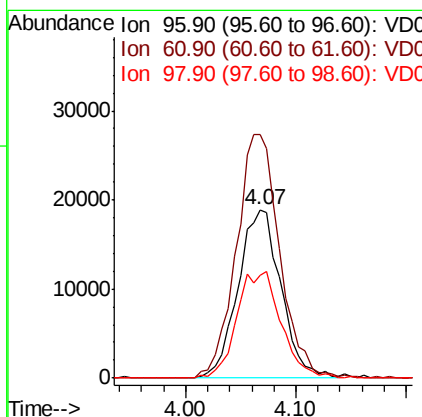
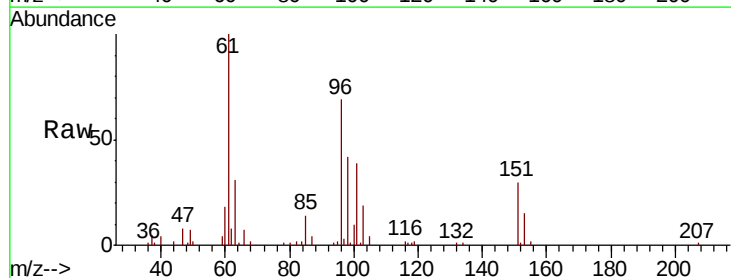
Tot Ion: 59 Resp: 22808
 Ion Ratio Lower Upper
 59 100
 57 5.1 5.1 7.7#

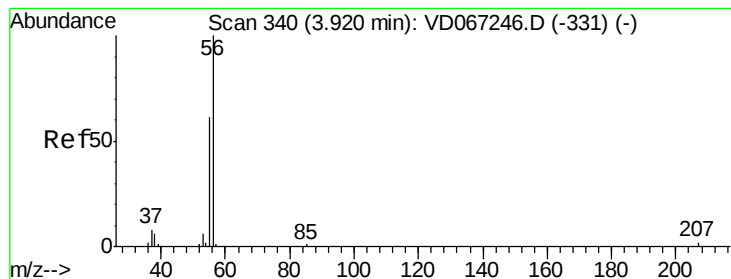


#12

1,1-Dichloroethene
 Concen: 19.707 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VD067448.D
 Acq: 29 Oct 2020 13:29

Tgt Ion: 96 Resp: 51469
 Ion Ratio Lower Upper
 96 100
 61 144.4 118.6 177.8
 98 60.8 51.8 77.6





#13

Acrolein

Concen: 65.211 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD067448.D

Acq: 29 Oct 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

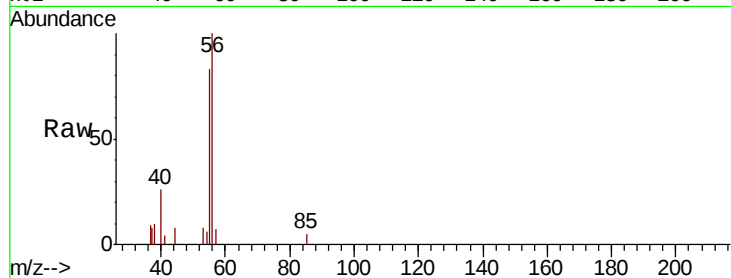
VD1029SBSD01

Tot Ion: 56 Resp: 9034

Ion Ratio Lower Upper

56 100

55 73.0 56.0 84.0



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.92

4000

3000

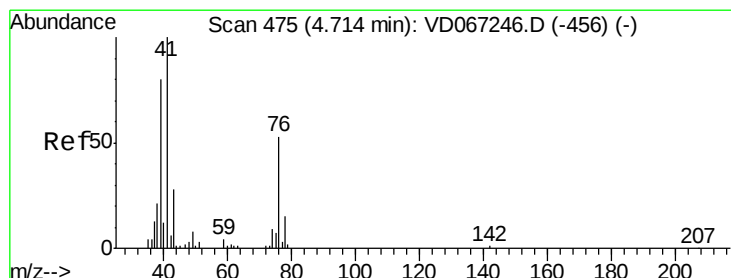
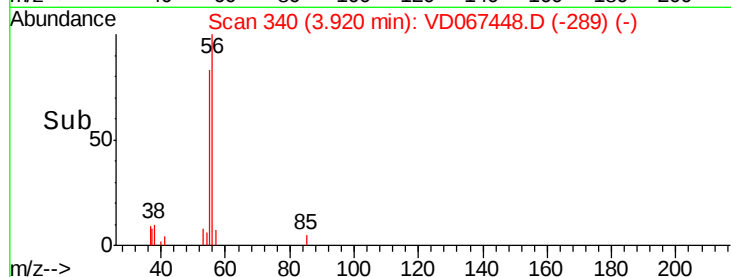
2000

1000

0

Time-->

3.85 3.90 3.95 4.00



#14

Allyl chloride

Concen: 19.963 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD067448.D

Acq: 29 Oct 2020 13:29

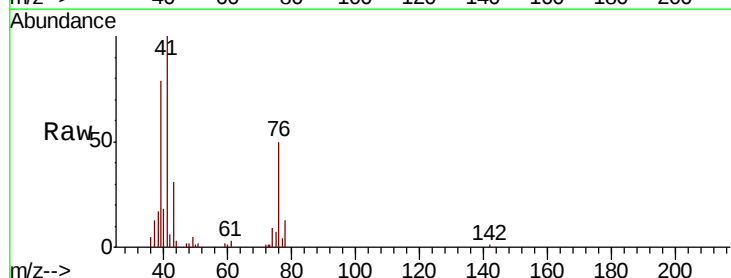
Tgt Ion: 41 Resp: 59708

Ion Ratio Lower Upper

41 100

39 76.8 63.8 95.6

76 46.2 40.4 60.6



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

25000

20000

15000

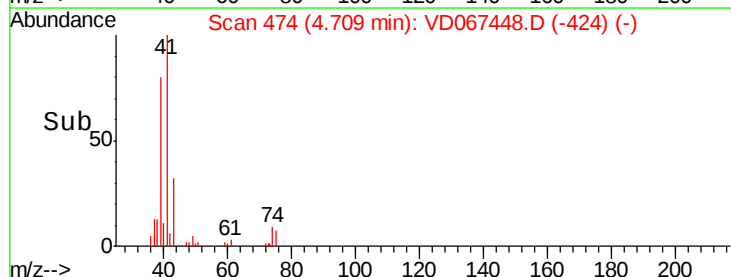
10000

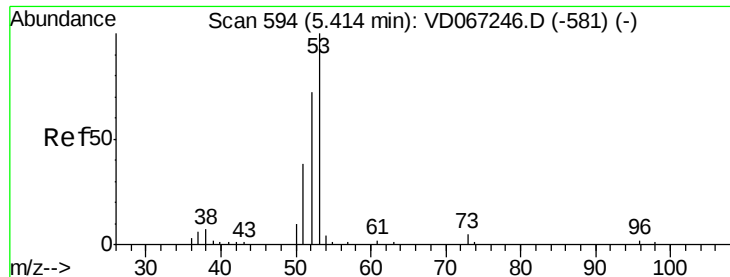
5000

0

Time-->

4.60 4.70 4.80





#15

Acrylonitrile

Concen: 106.894 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.01 min

Lab File: VD067448.D

Acq: 29 Oct 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

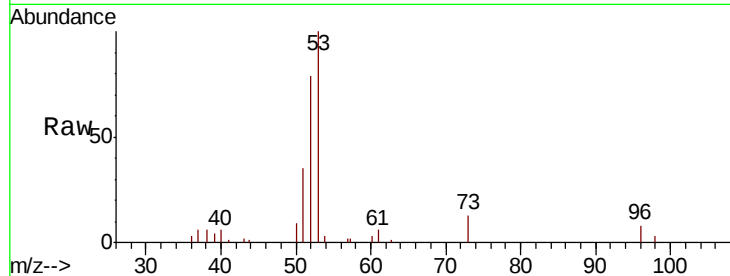
Tot Ion: 53 Resp: 44909

Ion Ratio Lower Upper

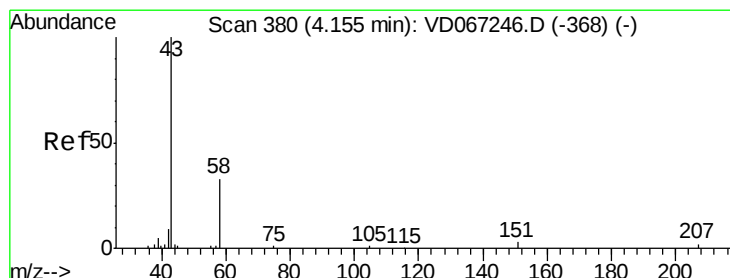
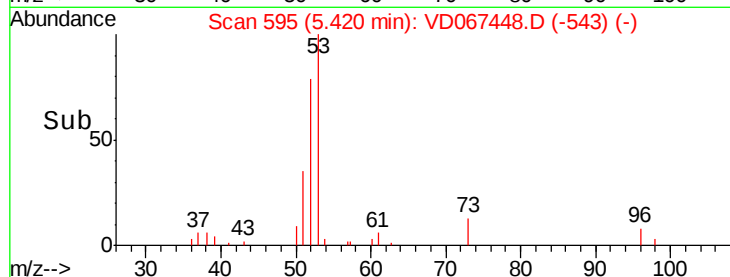
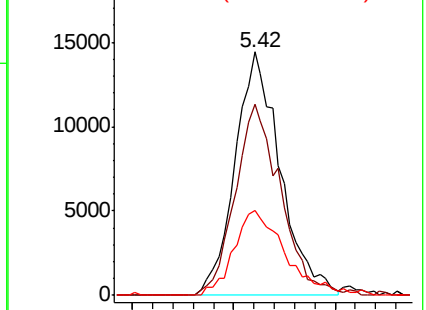
53 100

52 79.2 65.6 98.4

51 39.3 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: 112.355 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD067448.D

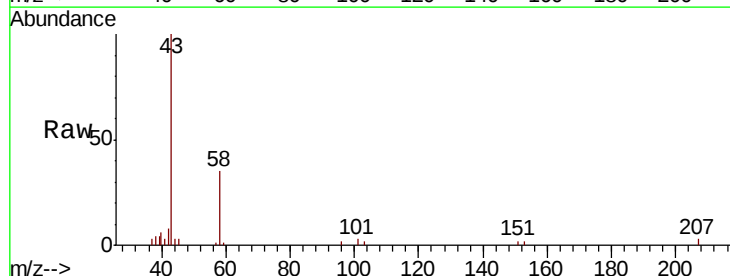
Acq: 29 Oct 2020 13:29

Tgt Ion: 43 Resp: 49886

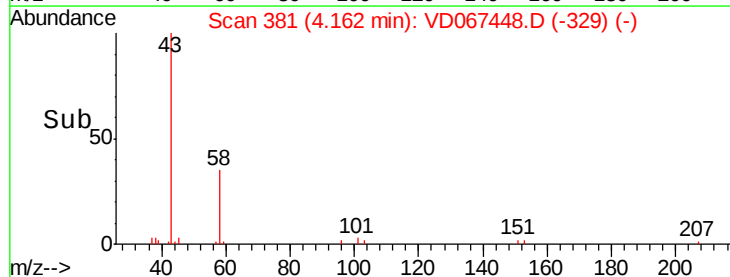
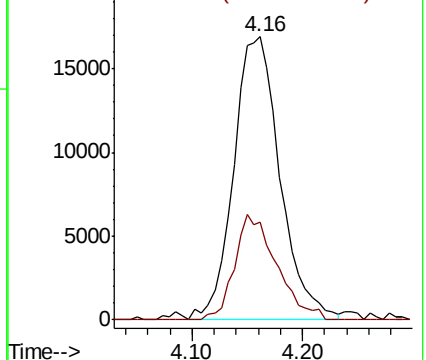
Ion Ratio Lower Upper

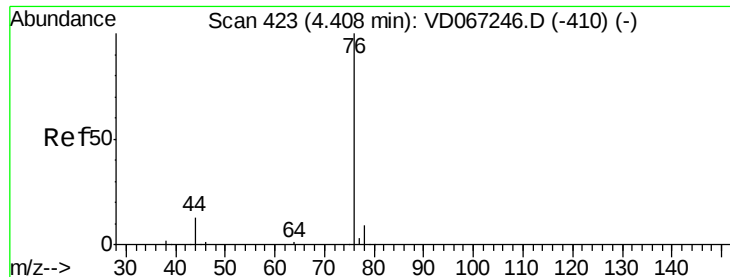
43 100

58 34.6 26.1 39.1



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

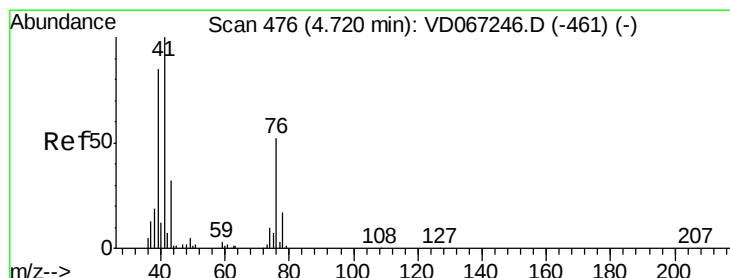
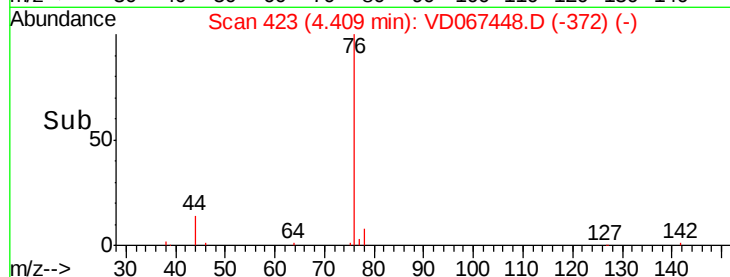
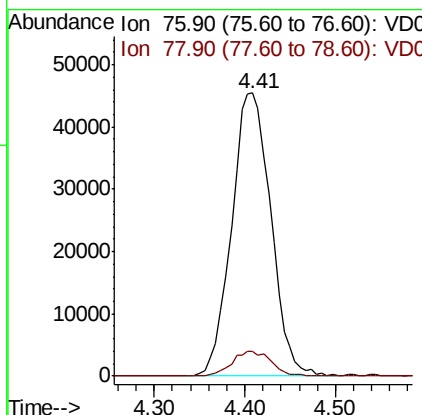
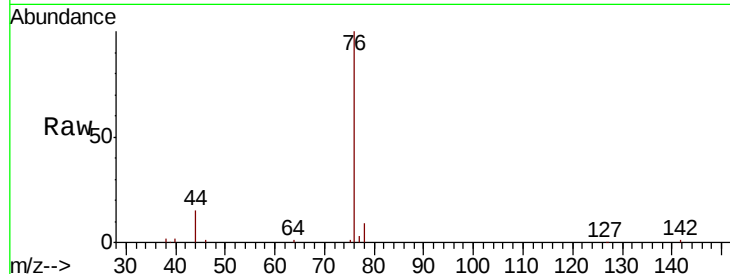




#17
Carbon Disulfide
Concen: 18.376 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD067448.D
Acq: 29 Oct 2020 13:29

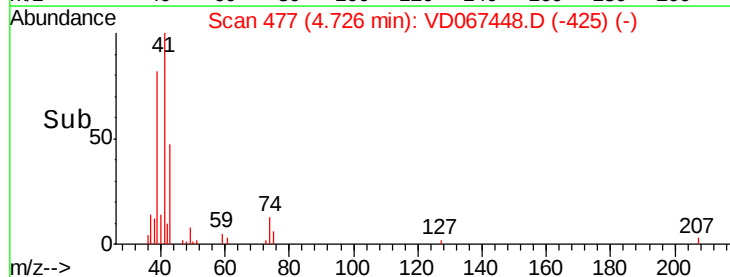
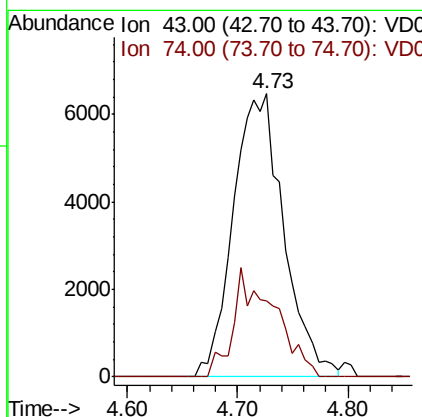
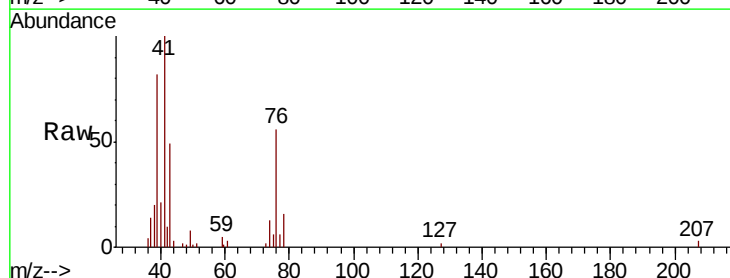
Instrument :
MSVOA_D
ClientSampleId :
VD1029SBSD01

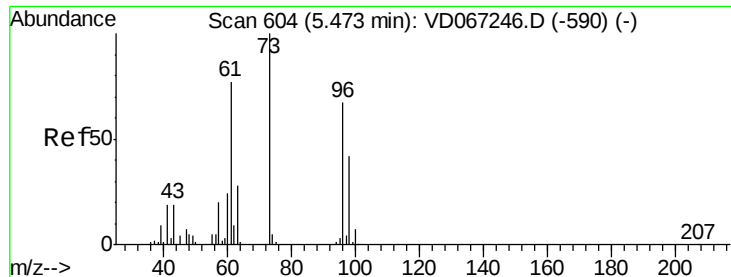
Tot Ion: 76 Resp: 136818
Ion Ratio Lower Upper
76 100
78 8.8 7.4 11.0



#18
Methyl Acetate
Concen: 20.489 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD067448.D
Acq: 29 Oct 2020 13:29

Tgt Ion: 43 Resp: 20750
Ion Ratio Lower Upper
43 100
74 0.0 26.6 39.8#

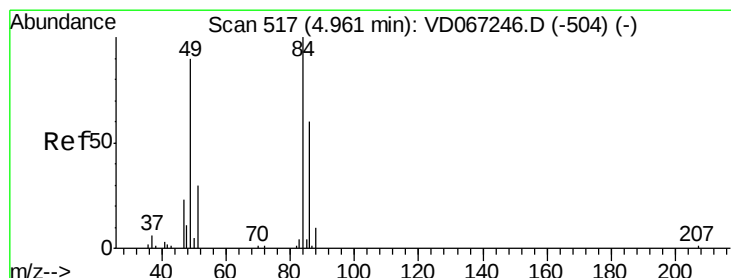
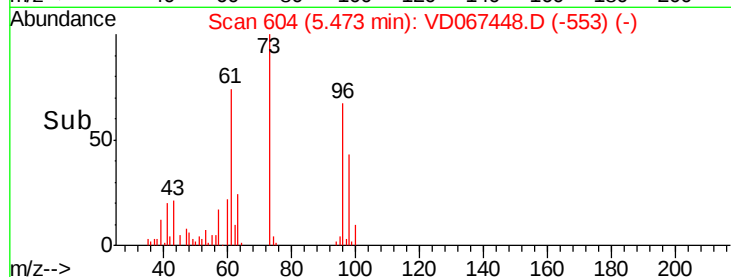
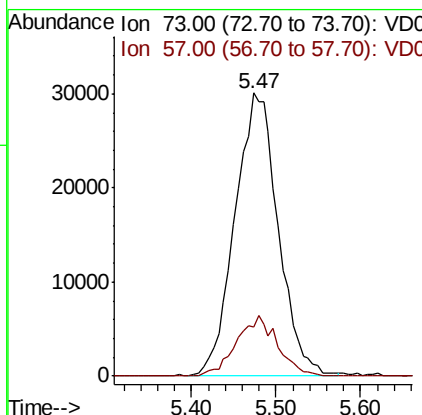
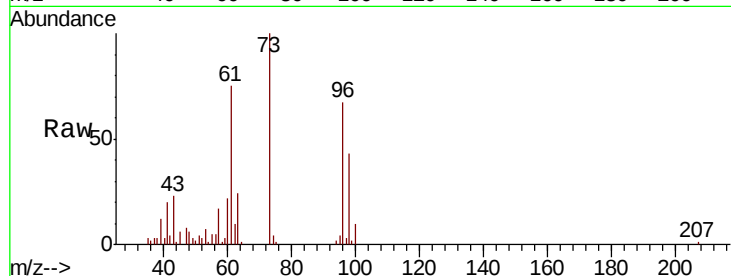




#19
Methyl tert-butyl Ether
Concen: 20.604 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD067448.D
Acq: 29 Oct 2020 13:29

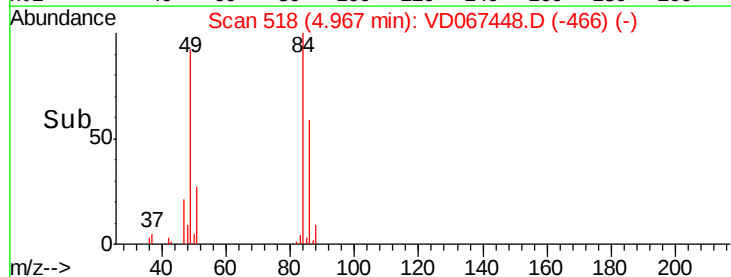
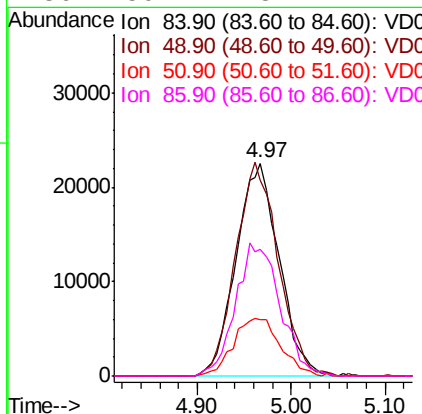
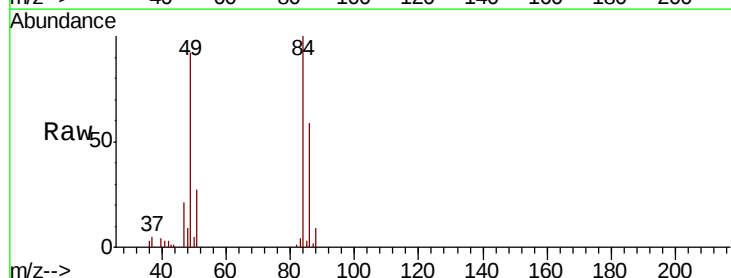
Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

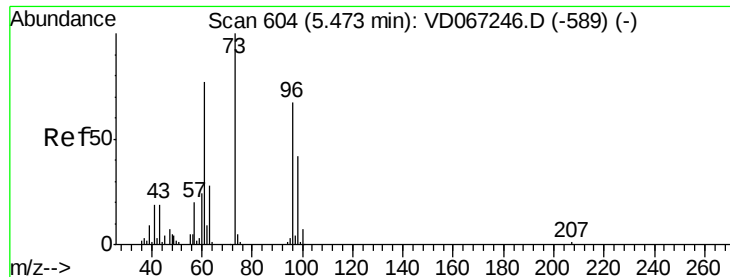
Tot Ion: 73 Resp: 106998
Ion Ratio Lower Upper
73 100
57 17.3 15.7 23.5



#20
Methylene Chloride
Concen: 22.610 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067448.D
Acq: 29 Oct 2020 13:29

Tgt Ion: 84 Resp: 71298
Ion Ratio Lower Upper
84 100
49 92.2 72.2 108.2
51 26.7 23.8 35.8
86 59.4 48.2 72.4





#21

trans-1,2-Dichloroethene

Concen: 21.039 ug/l

RT: 5.48 min Scan# 605

Delta R.T. 0.01 min

Lab File: VD067448.D

Acq: 29 Oct 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBSD01

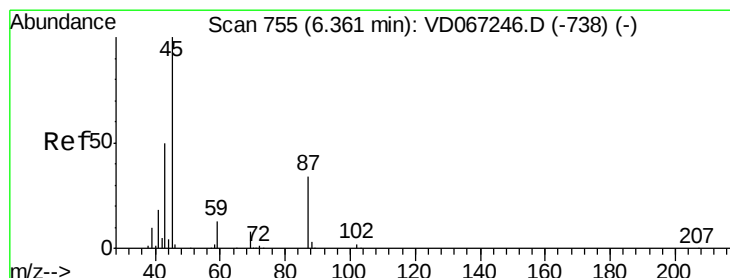
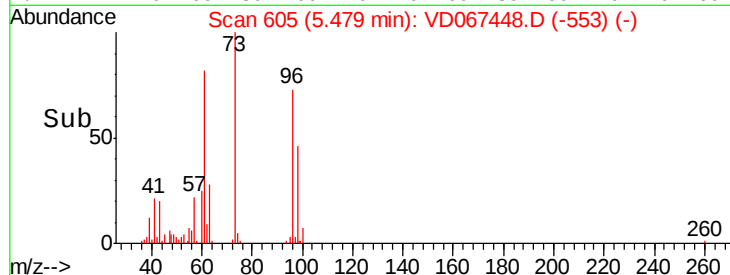
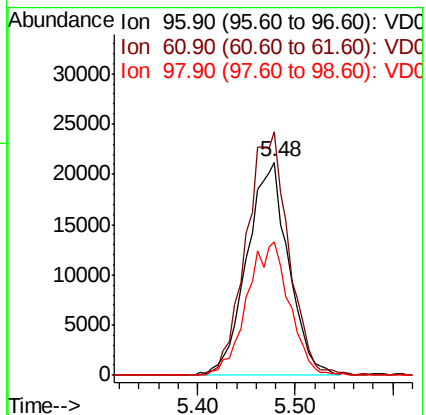
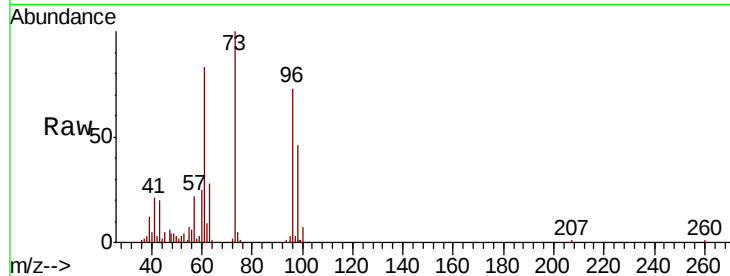
Tot Ion: 96 Resp: 63233

Ion Ratio Lower Upper

96 100

61 114.4 92.0 138.0

98 62.9 49.8 74.8



#22

Diisopropyl ether

Concen: 21.329 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.01 min

Lab File: VD067448.D

Acq: 29 Oct 2020 13:29

Tgt Ion: 45 Resp: 116533

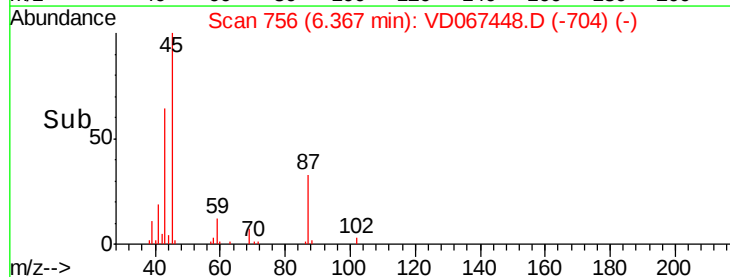
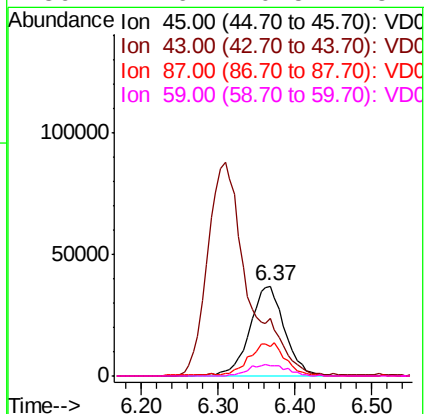
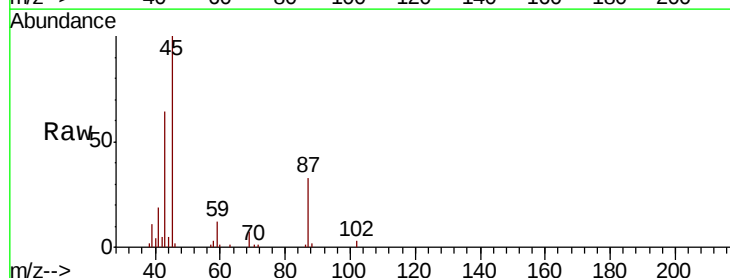
Ion Ratio Lower Upper

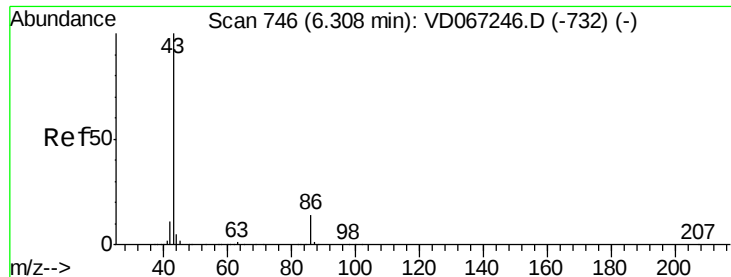
45 100

43 62.0 48.0 72.0

87 33.1 28.5 42.7

59 11.6 10.5 15.7





#23

Vinyl Acetate

Concen: 103.575 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD067448.D

Acq: 29 Oct 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

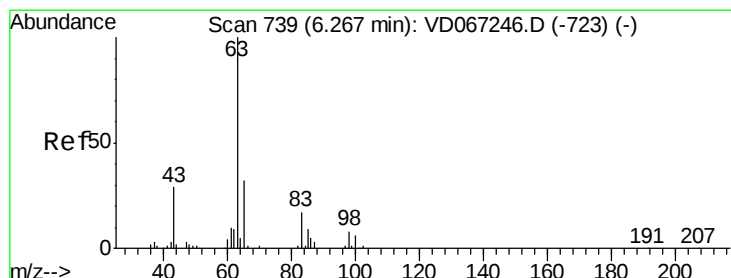
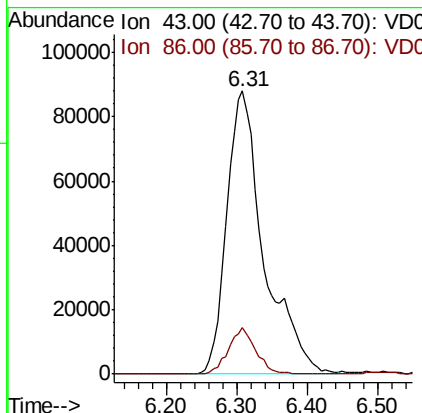
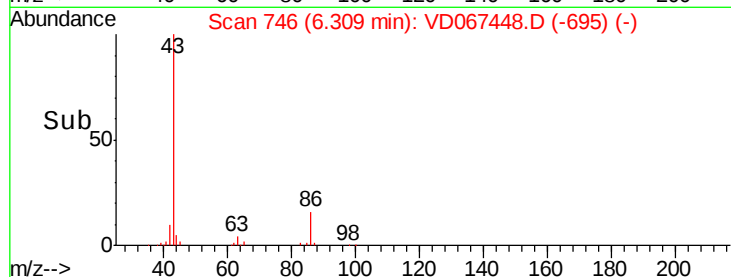
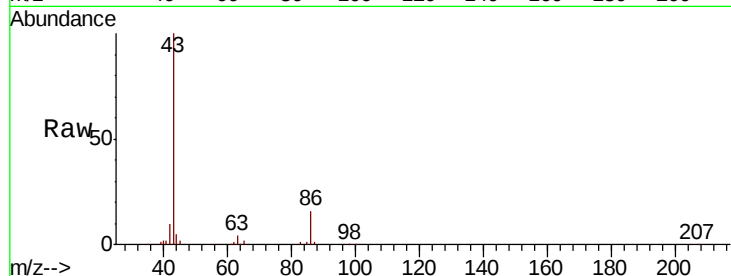
VD1029SBSD01

Tot Ion: 43 Resp: 321949

Ion Ratio Lower Upper

43 100

86 16.2 11.0 16.6



#24

1,1-Dichloroethane

Concen: 21.152 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD067448.D

Acq: 29 Oct 2020 13:29

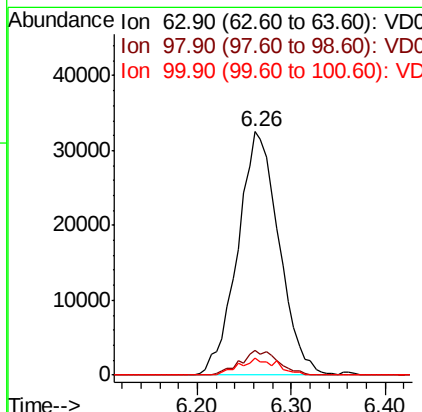
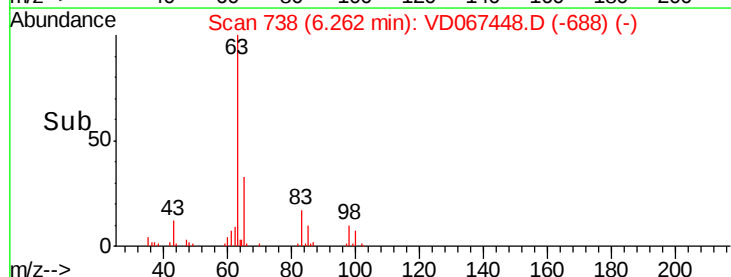
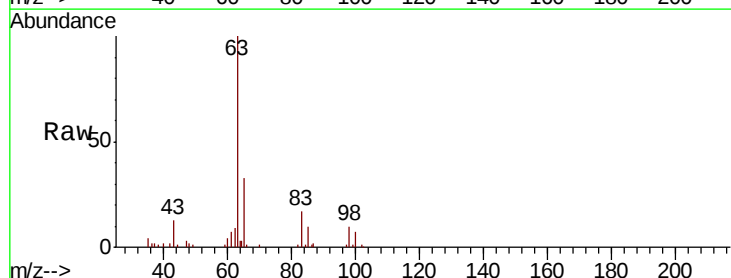
Tgt Ion: 63 Resp: 98927

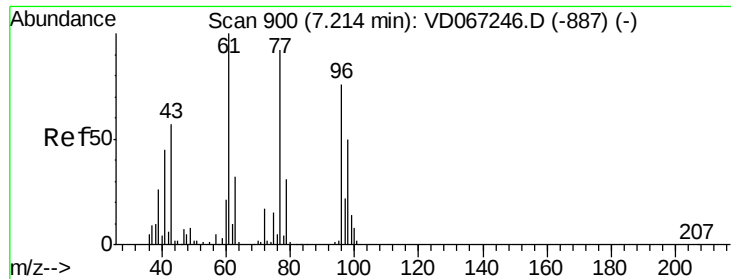
Ion Ratio Lower Upper

63 100

98 10.2 4.0 12.2

100 6.8 2.8 8.4

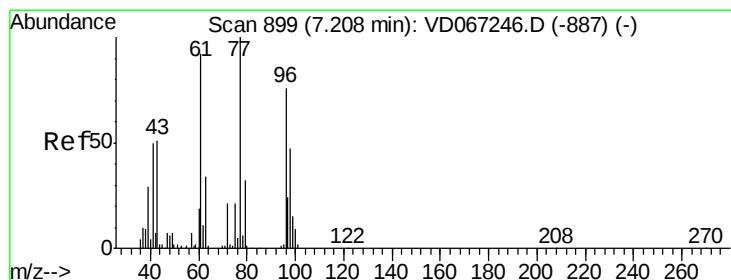
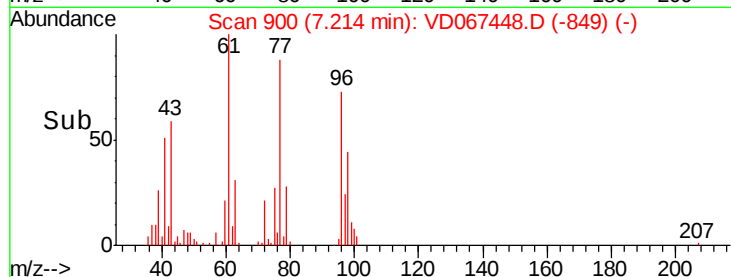
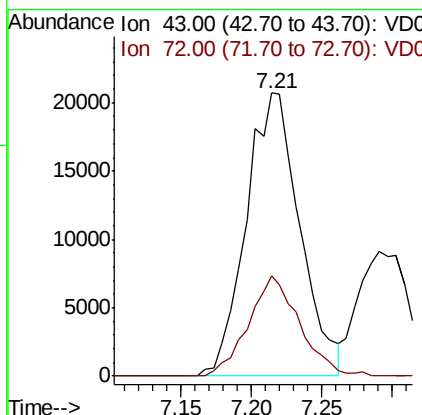
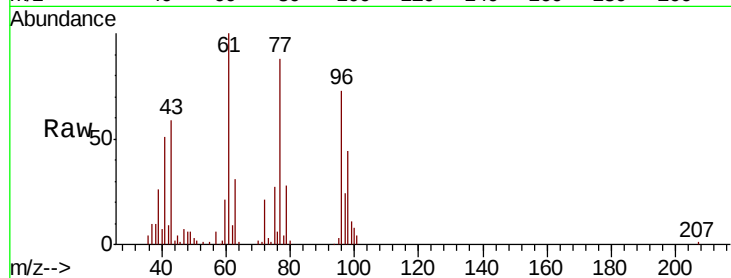




#25
2-Butanone
Concen: 109.140 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067448.D
Acq: 29 Oct 2020 13:29

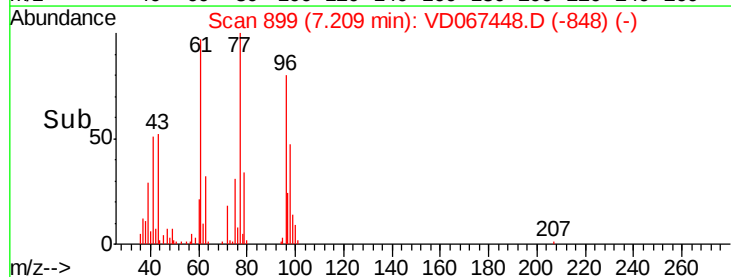
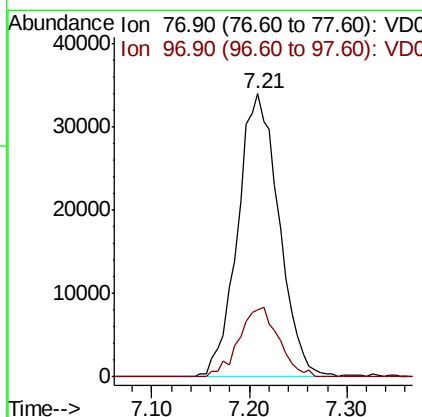
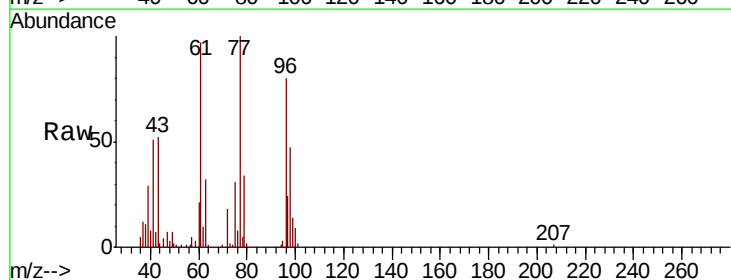
Instrument :
MSVOA_D
ClientSampleId :
VD1029SBSD01

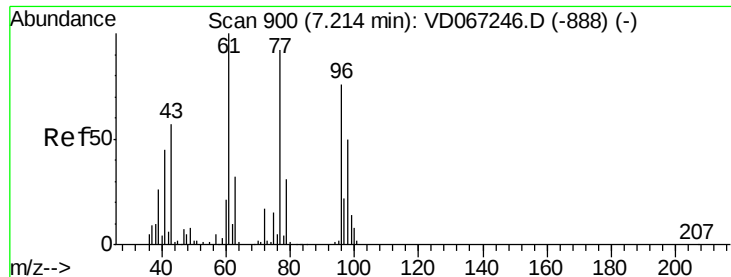
Tot Ion: 43 Resp: 55238
Ion Ratio Lower Upper
43 100
72 35.4 23.7 35.5



#26
2,2-Dichloropropane
Concen: 20.811 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD067448.D
Acq: 29 Oct 2020 13:29

Tgt Ion: 77 Resp: 100324
Ion Ratio Lower Upper
77 100
97 23.6 11.4 34.2



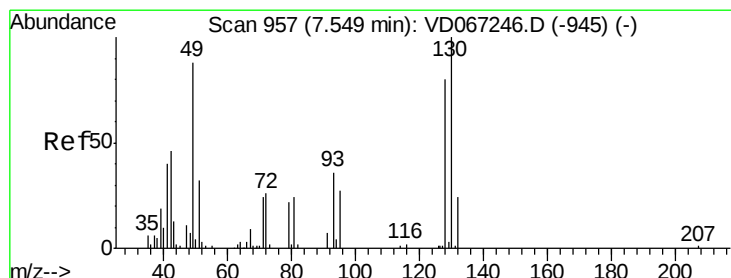
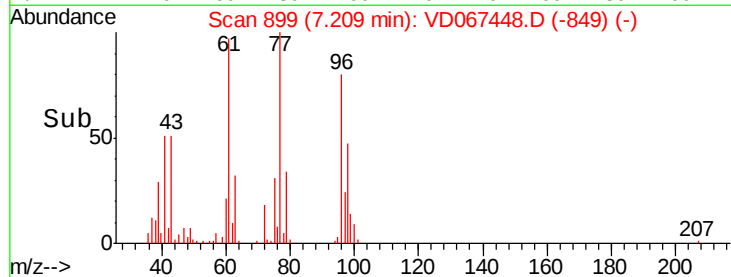
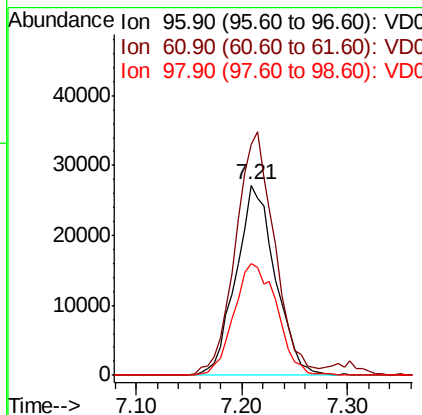
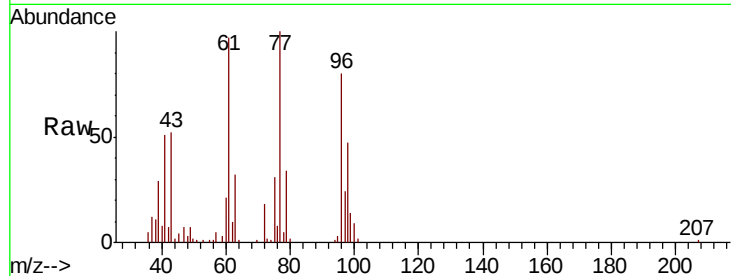


#27

cis-1,2-Dichloroethene
 Concen: 21.277 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD067448.D
 Acq: 29 Oct 2020 13:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBSD01

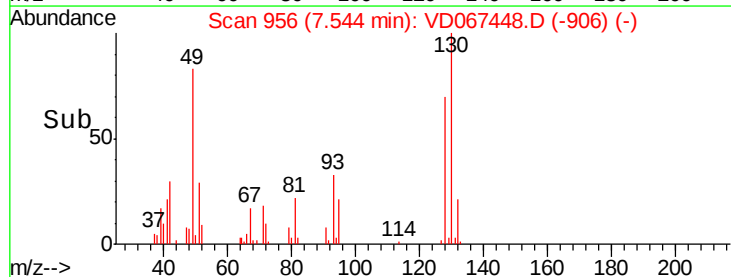
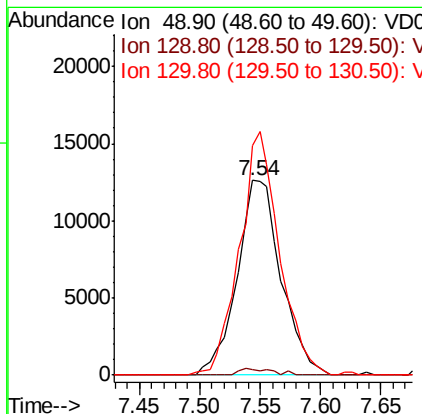
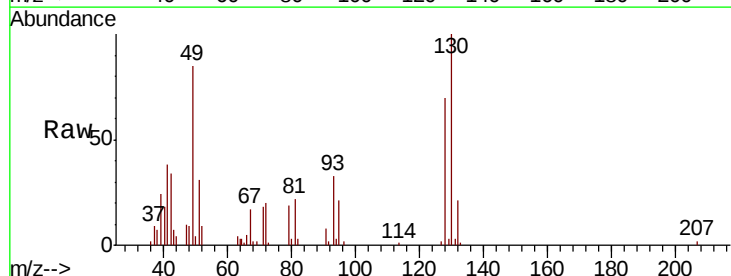
Tot Ion: 96 Resp: 70086
 Ion Ratio Lower Upper
 96 100
 61 127.3 0.0 255.4
 98 64.2 0.0 128.0

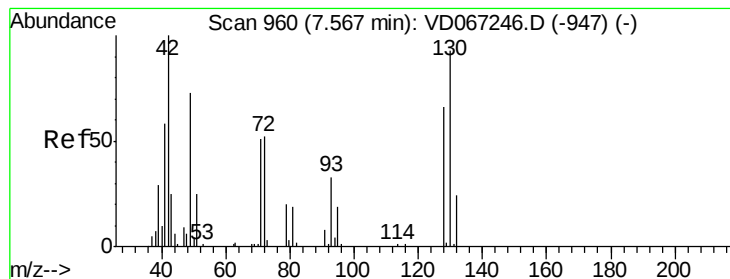


#28

Bromochloromethane
 Concen: 20.003 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD067448.D
 Acq: 29 Oct 2020 13:29

Tgt Ion: 49 Resp: 31910
 Ion Ratio Lower Upper
 49 100
 129 2.5 0.0 1.6#
 130 113.7 91.0 136.6





#29

Tetrahydrofuran

Concen: 102.253 ug/l

RT: 7.56 min Scan# 959

Delta R.T. -0.01 min

Lab File: VD067448.D

Acq: 29 Oct 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

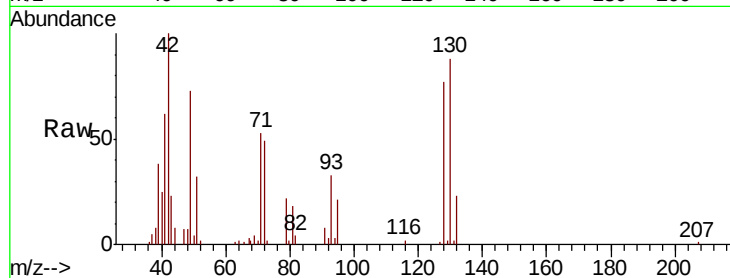
Tot Ion: 42 Resp: 28768

Ion Ratio Lower Upper

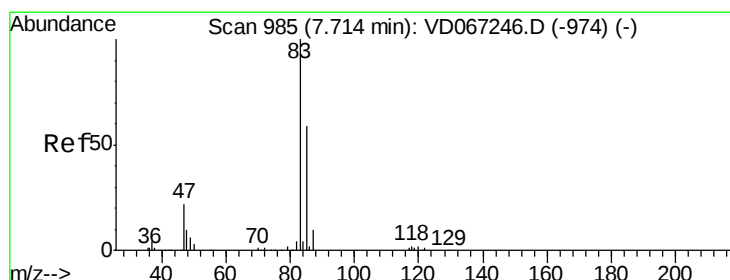
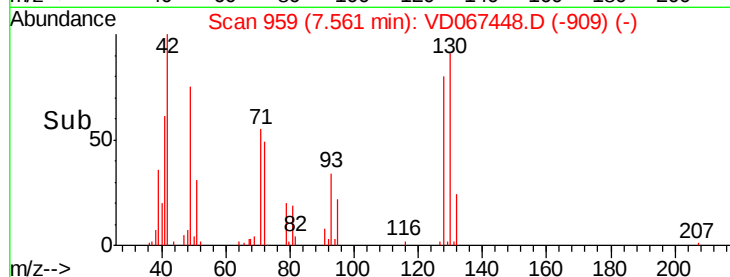
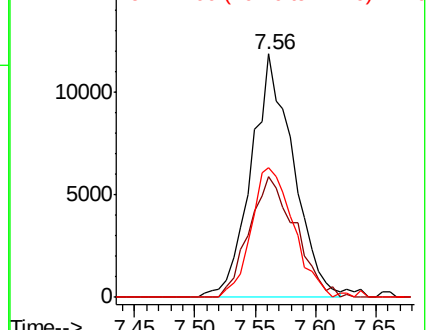
42 100

72 54.5 43.2 64.8

71 53.3 39.4 59.0



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



#30

Chloroform

Concen: 21.591 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD067448.D

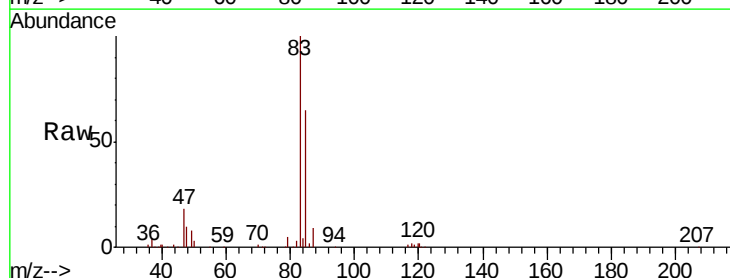
Acq: 29 Oct 2020 13:29

Tgt Ion: 83 Resp: 120629

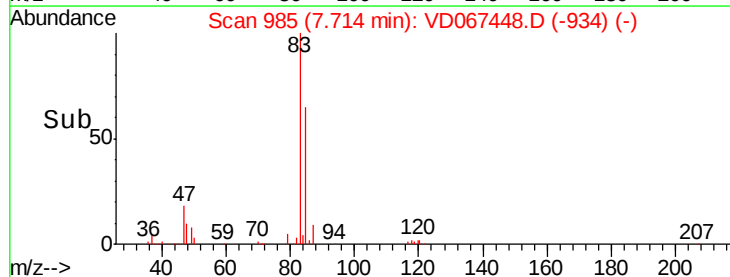
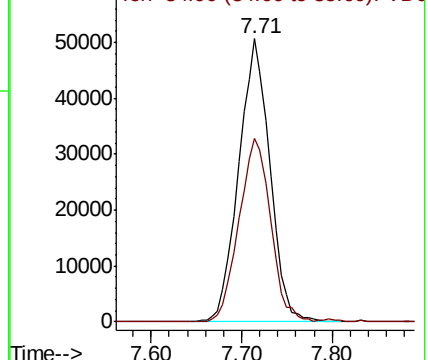
Ion Ratio Lower Upper

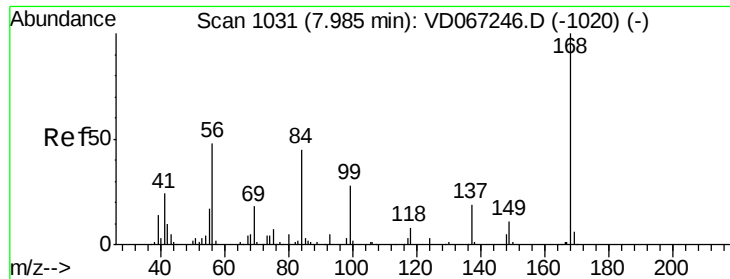
83 100

85 64.8 47.3 70.9



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





#31

Cyclohexane

Concen: 19.687 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VD067448.D

Acq: 29 Oct 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

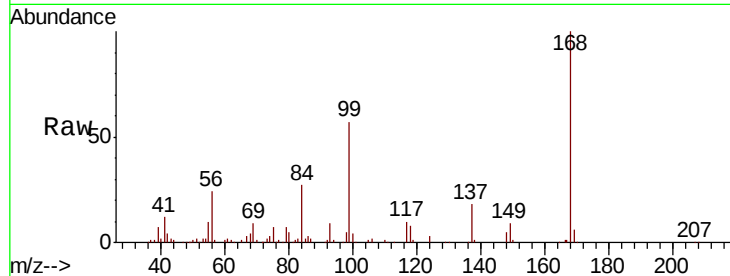
Tot Ion: 56 Resp: 71889

Ion Ratio Lower Upper

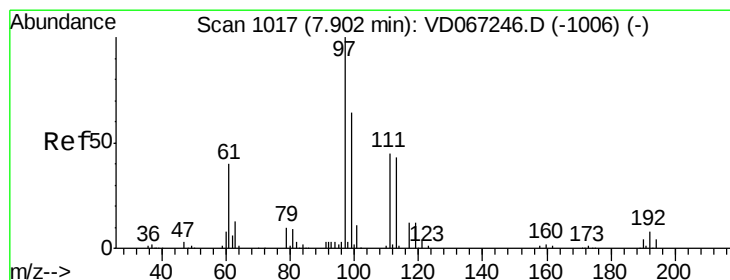
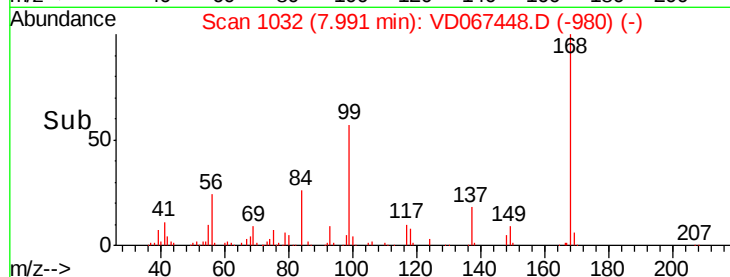
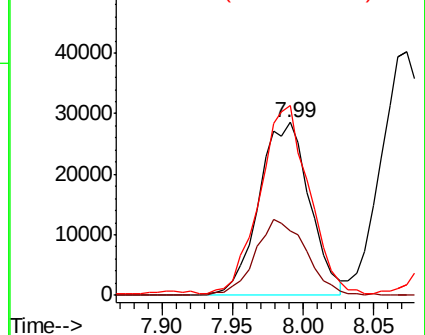
56 100

69 36.5 29.8 44.6

84 107.7 76.6 114.8



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



#32

1,1,1-Trichloroethane

Concen: 20.410 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VD067448.D

Acq: 29 Oct 2020 13:29

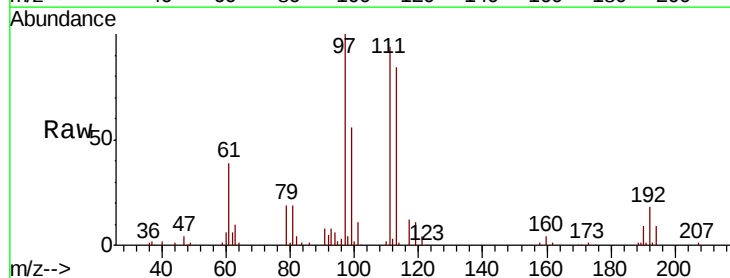
Tgt Ion: 97 Resp: 111884

Ion Ratio Lower Upper

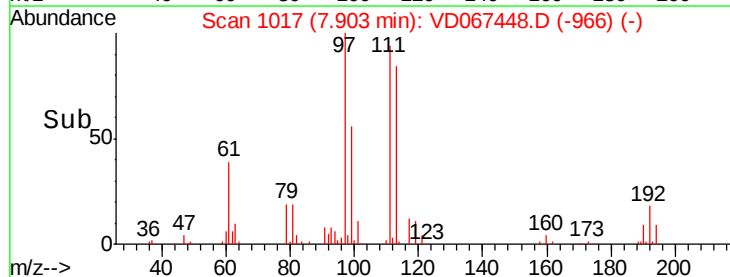
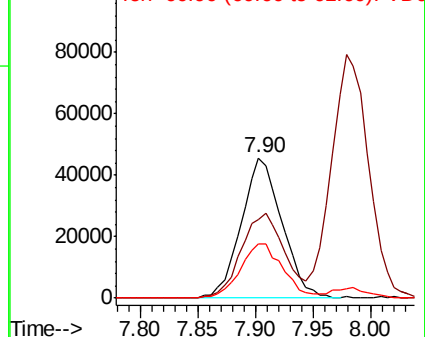
97 100

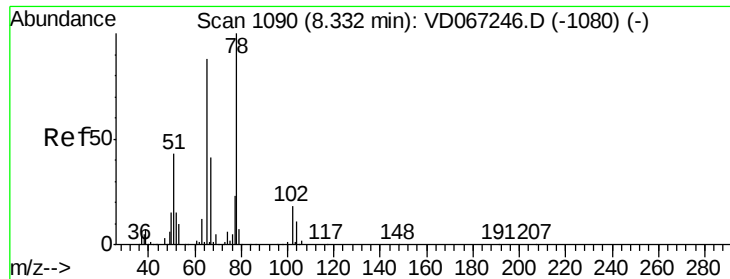
99 64.4 50.2 75.4

61 40.8 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

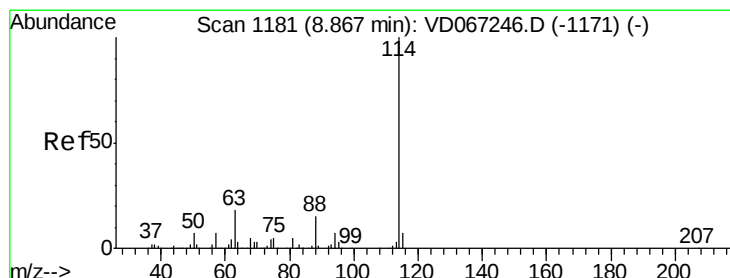
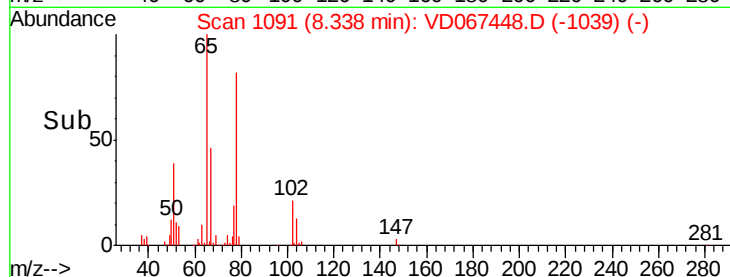
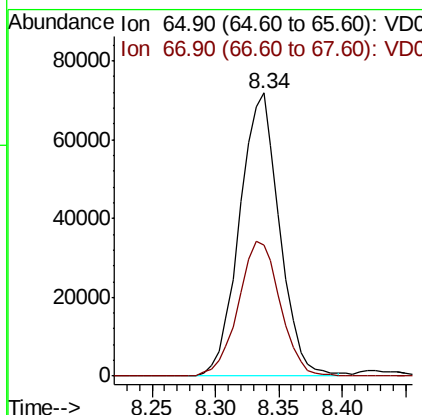
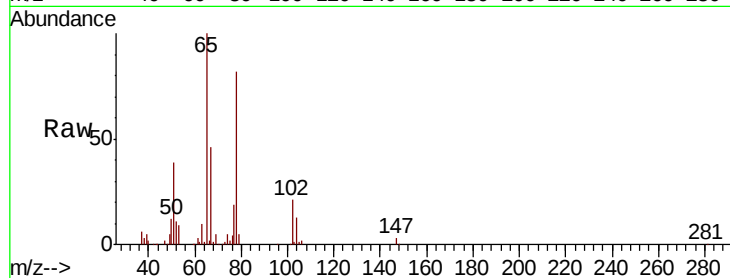




#33
 1,2-Dichloroethane-d4
 Concen: 49.528 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD067448.D
 Acq: 29 Oct 2020 13:29

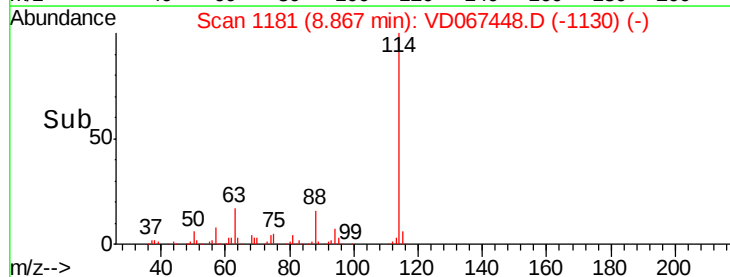
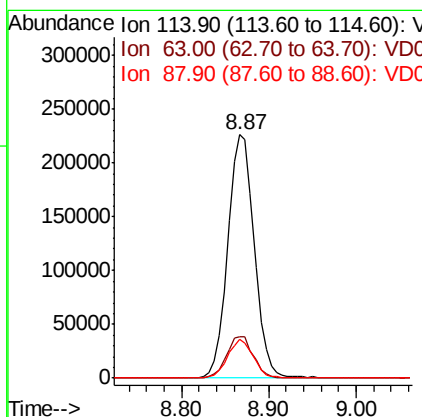
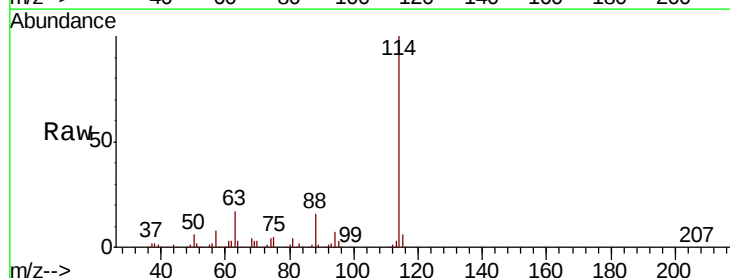
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBSD01

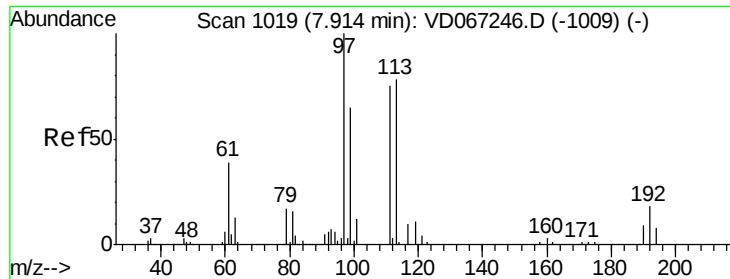
Tot Ion: 65 Resp: 157020
 Ion Ratio Lower Upper
 65 100
 67 49.9 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067448.D
 Acq: 29 Oct 2020 13:29

Tgt Ion: 114 Resp: 466018
 Ion Ratio Lower Upper
 114 100
 63 17.2 0.0 35.0
 88 16.2 0.0 30.6

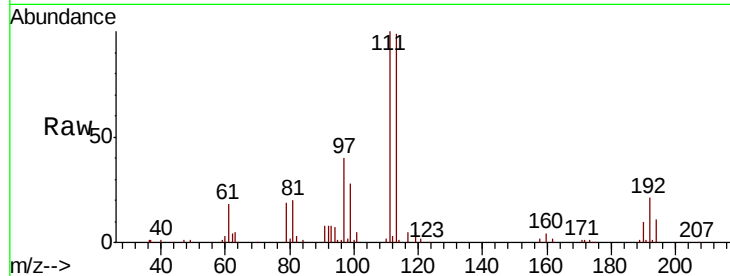




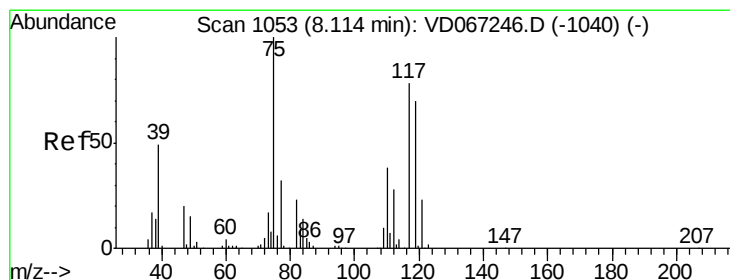
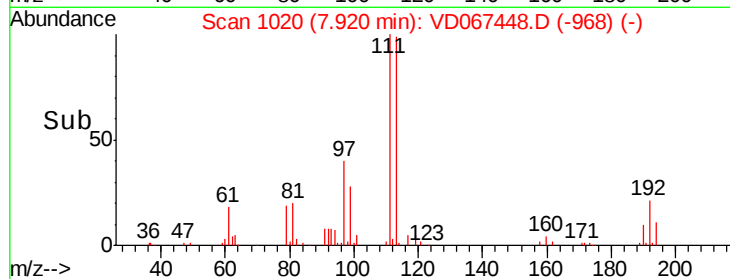
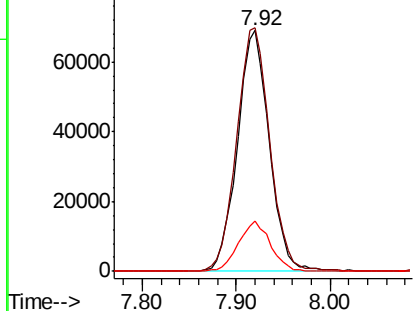
#35
 Dibromofluoromethane
 Concen: 52.291 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067448.D
 Acq: 29 Oct 2020 13:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBSD01

Tot Ion:113 Resp: 162173
 Ion Ratio Lower Upper
 113 100
 111 104.9 81.6 122.4
 192 20.9 17.0 25.4

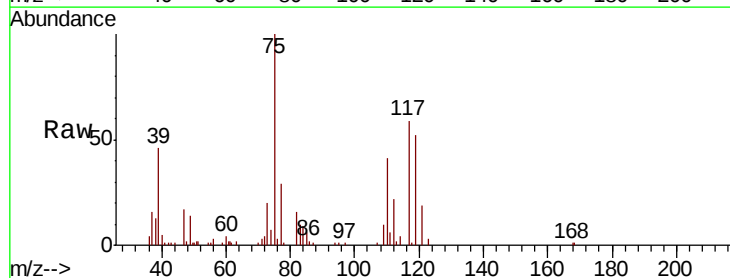


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

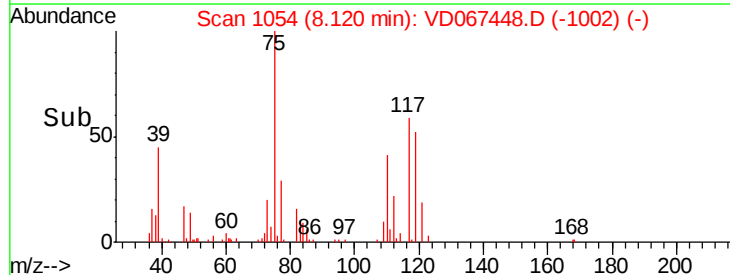
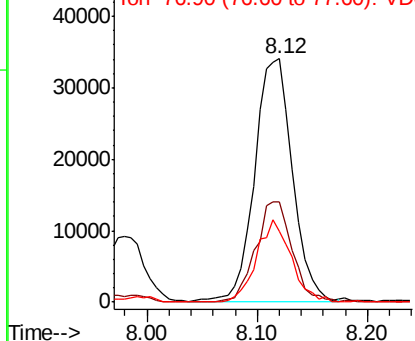


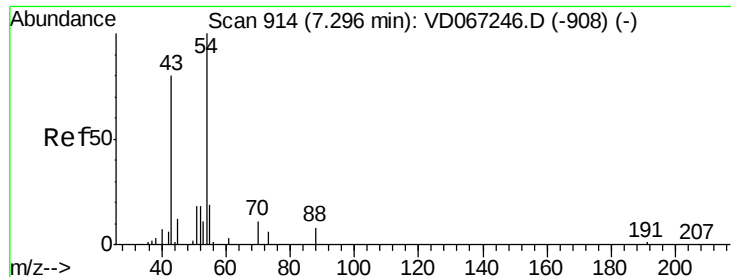
#36
 1,1-Dichloropropene
 Concen: 20.791 ug/l
 RT: 8.12 min Scan# 1054
 Delta R.T. 0.01 min
 Lab File: VD067448.D
 Acq: 29 Oct 2020 13:29

Tgt Ion: 75 Resp: 82122
 Ion Ratio Lower Upper
 75 100
 110 39.7 19.6 58.7
 77 30.7 24.6 37.0



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

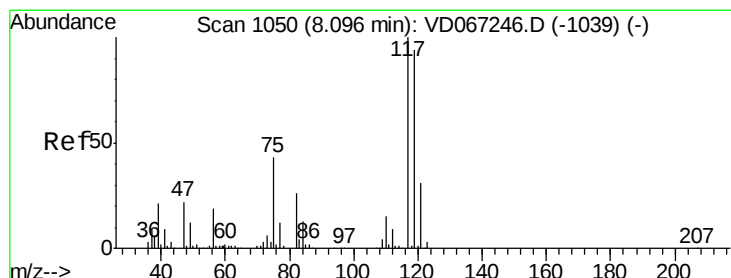
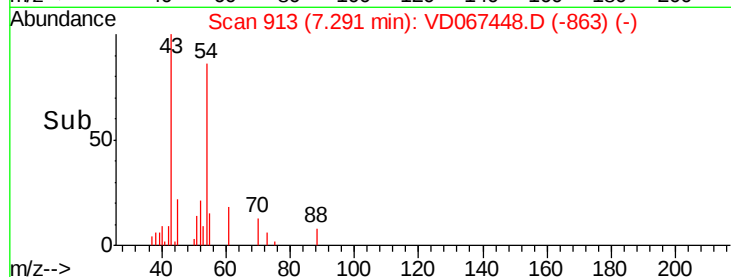
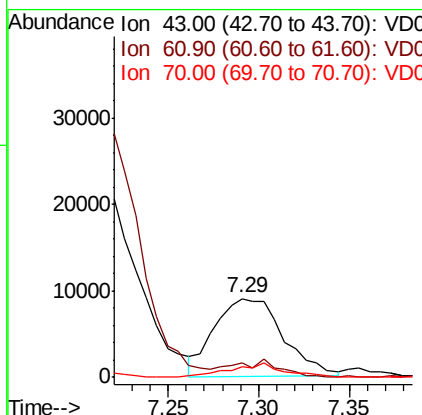
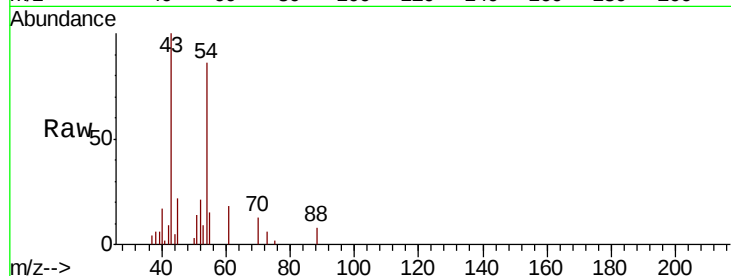




#37
Ethyl Acetate
Concen: 20.441 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067448.D
Acq: 29 Oct 2020 13:29

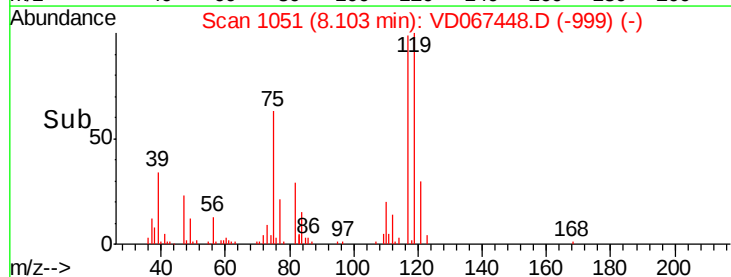
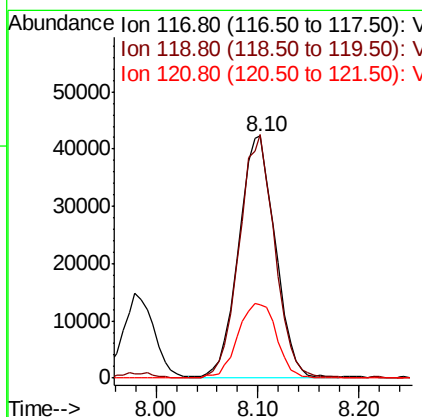
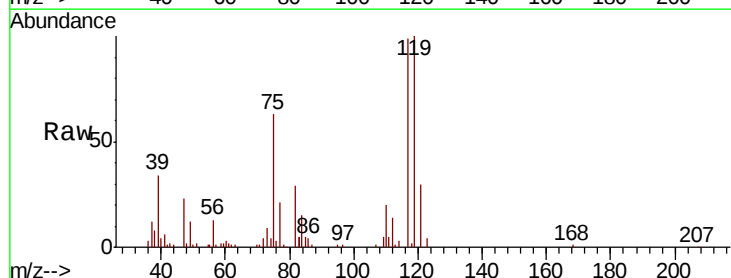
Instrument :
MSVOA_D
ClientSampleID :
VD1029SBS01

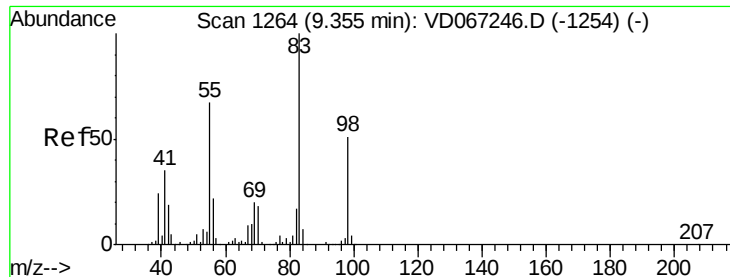
Tot Ion: 43 Resp: 23754
Ion Ratio Lower Upper
43 100
61 0.0 15.6 23.4#
70 14.3 10.4 15.6



#38
Carbon Tetrachloride
Concen: 21.057 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD067448.D
Acq: 29 Oct 2020 13:29

Tgt Ion: 117 Resp: 106298
Ion Ratio Lower Upper
117 100
119 100.5 75.0 112.4
121 30.5 24.9 37.3

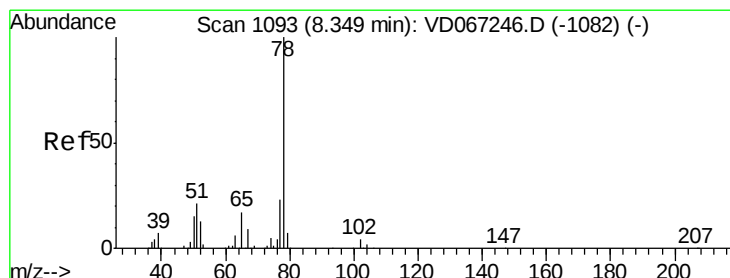
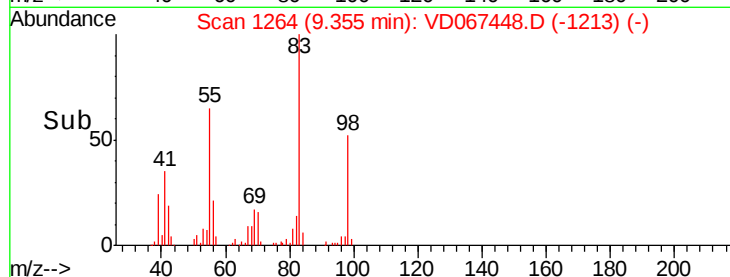
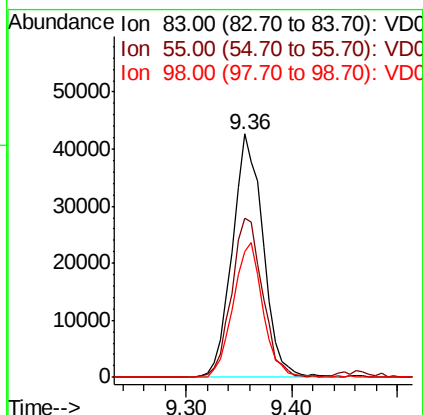
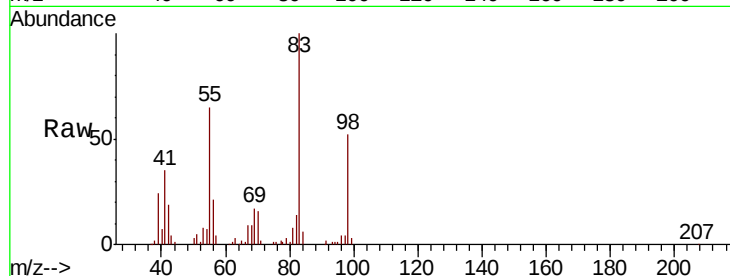




#39
Methvlcvclohexane
Concen: 20.820 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067448.D
Acq: 29 Oct 2020 13:29

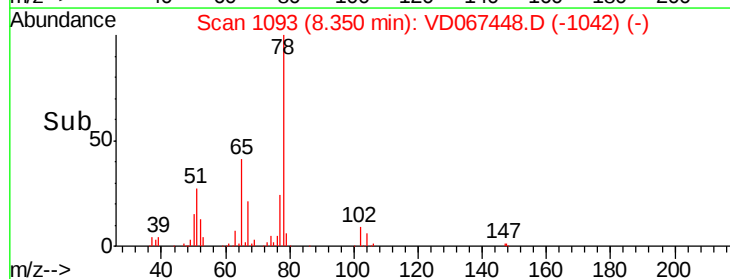
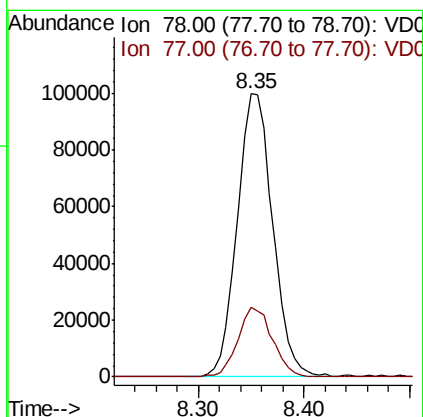
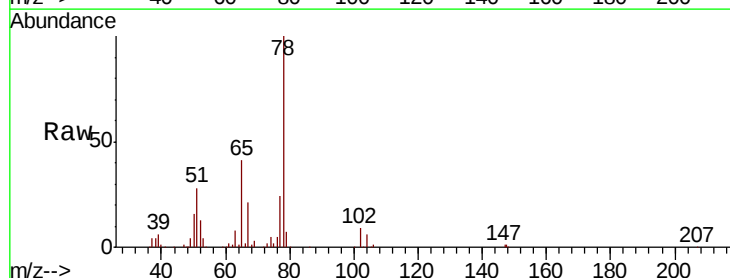
Instrument :
MSVOA_D
ClientSampleId :
VD1029SBSD01

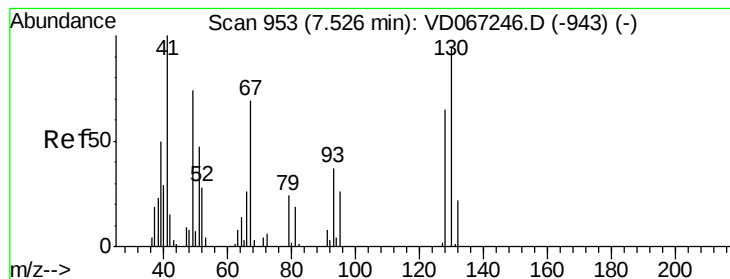
Tot Ion: 83 Resp: 85972
Ion Ratio Lower Upper
83 100
55 65.2 53.3 79.9
98 51.6 41.0 61.4



#40
Benzene
Concen: 21.488 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD067448.D
Acq: 29 Oct 2020 13:29

Tgt Ion: 78 Resp: 232839
Ion Ratio Lower Upper
78 100
77 24.4 18.3 27.5





#41

Methacrylonitrile

Concen: 25.735 ug/l

RT: 7.53 min Scan# 954

Delta R.T. 0.01 min

Lab File: VD067448.D

Acq: 29 Oct 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

Tot Ion: 41 Resp: 16161

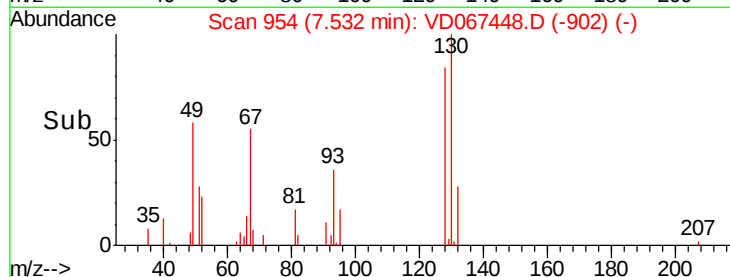
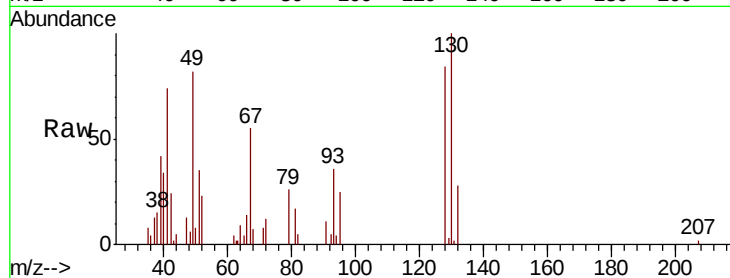
Ion Ratio Lower Upper

41 100

39 0.0 60.0 90.0#

67 84.3 88.9 133.3#

52 33.2 36.9 55.3#

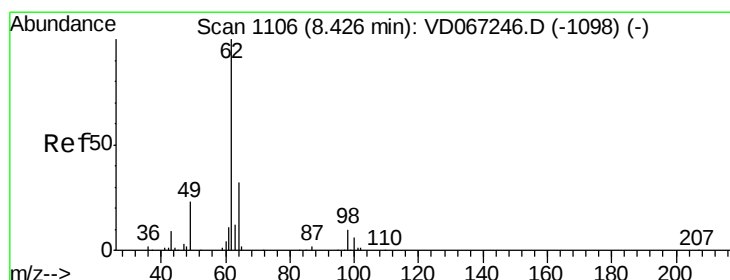
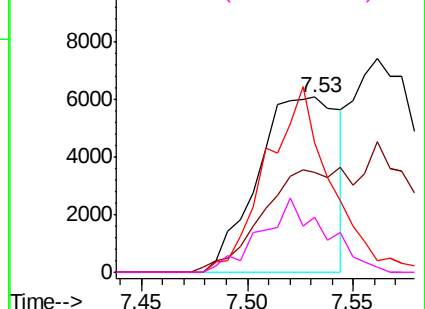


Abundance Ion 41.00 (40.70 to 41.70): VDC

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: 21.668 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD067448.D

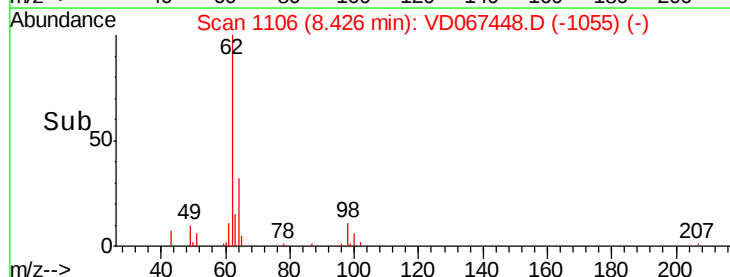
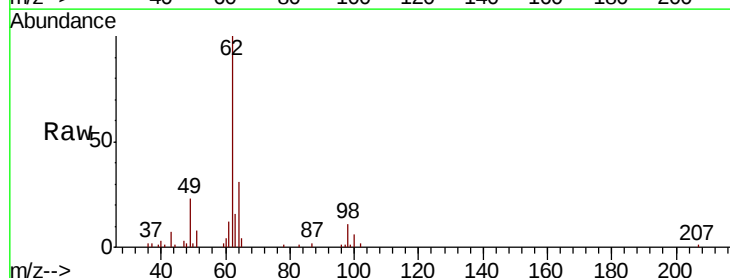
Acq: 29 Oct 2020 13:29

Tgt Ion: 62 Resp: 73476

Ion Ratio Lower Upper

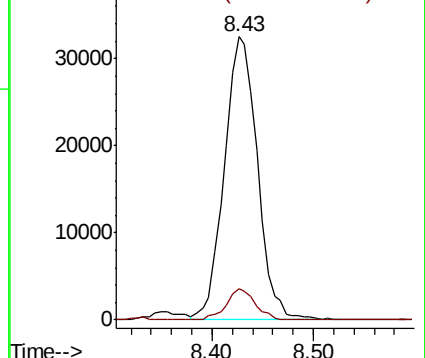
62 100

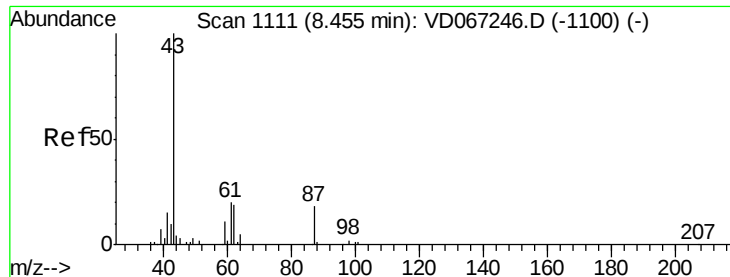
98 9.7 0.0 19.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 21.515 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD067448.D

Acq: 29 Oct 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBSD01

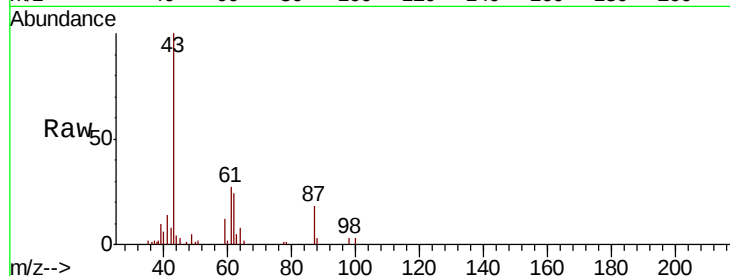
Tot Ion: 43 Resp: 49613

Ion Ratio Lower Upper

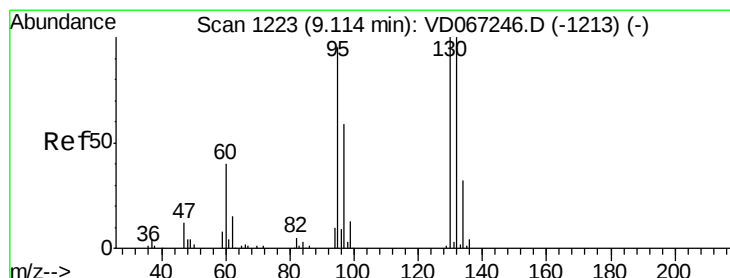
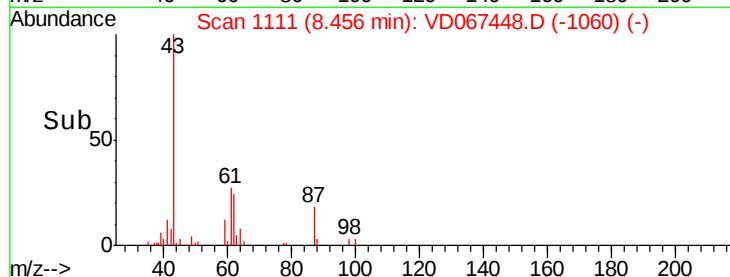
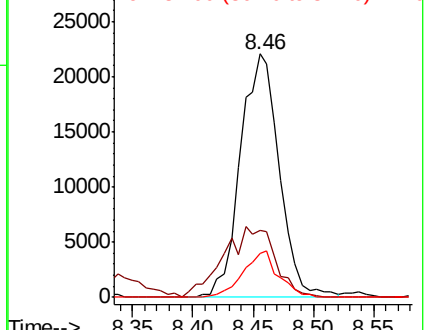
43 100

61 38.5 29.5 44.3

87 17.4 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: 22.017 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD067448.D

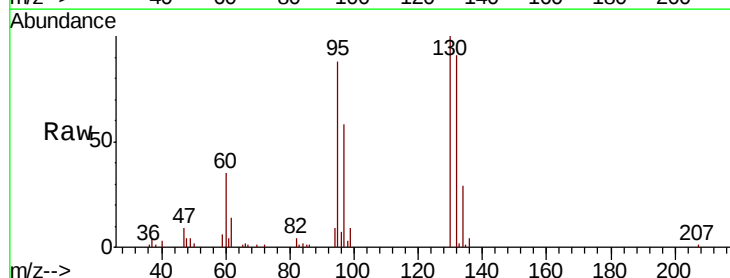
Acq: 29 Oct 2020 13:29

Tgt Ion: 130 Resp: 76386

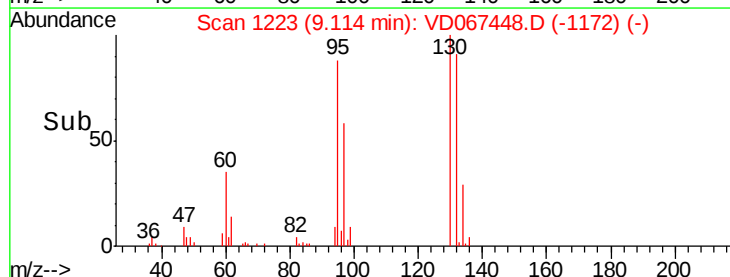
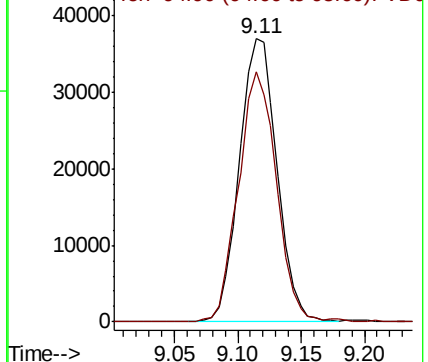
Ion Ratio Lower Upper

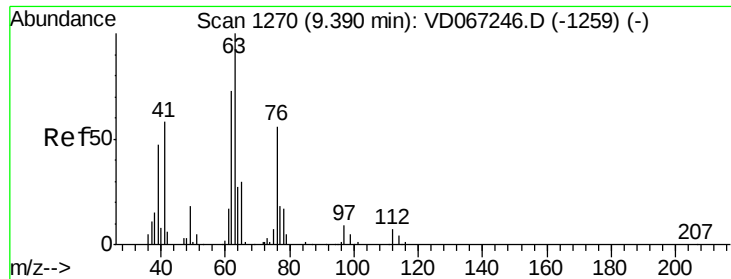
130 100

95 88.4 0.0 190.6



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 21.693 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD067448.D

Acq: 29 Oct 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

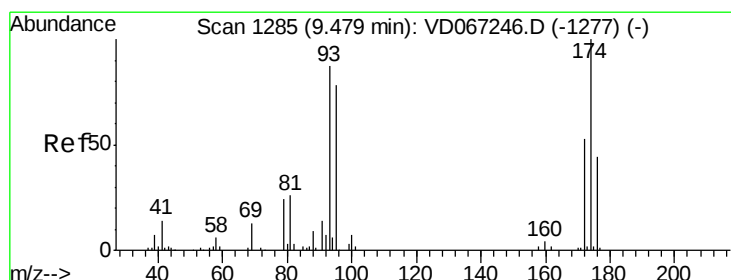
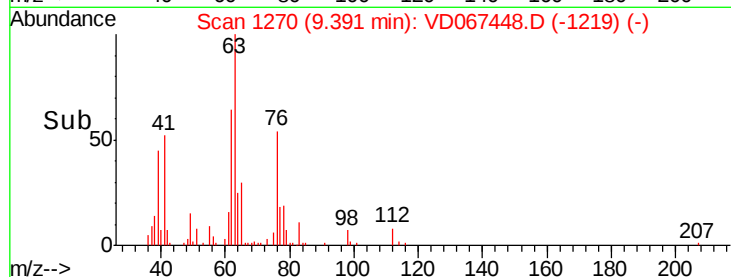
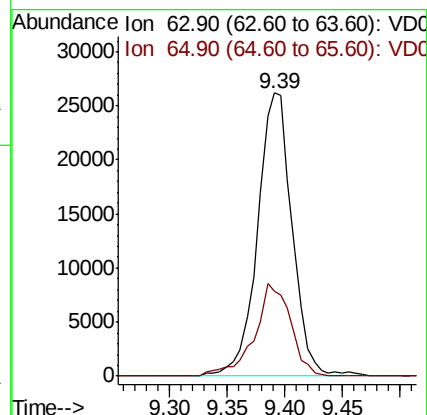
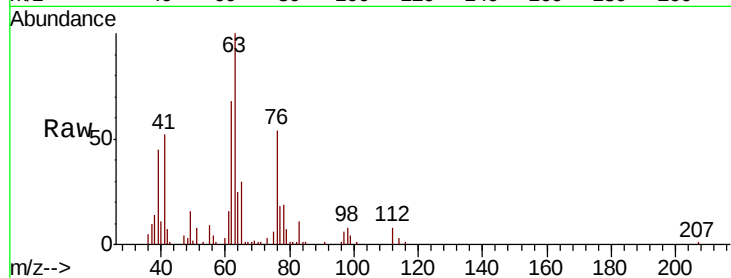
VD1029SBSD01

Tot Ion: 63 Resp: 54477

Ion Ratio Lower Upper

63 100

65 29.9 24.6 36.8



#46

Dibromomethane

Concen: 21.127 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD067448.D

Acq: 29 Oct 2020 13:29

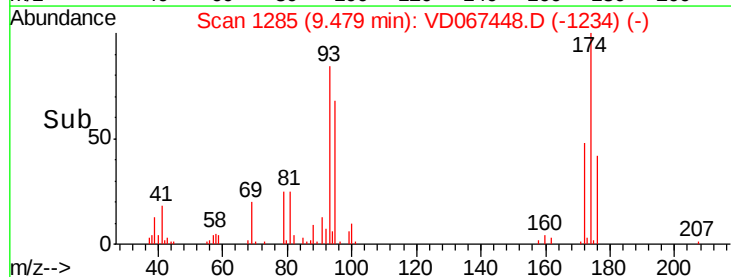
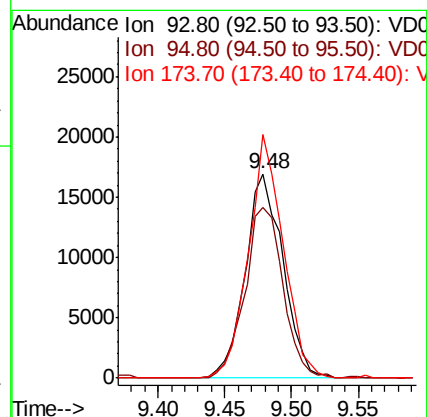
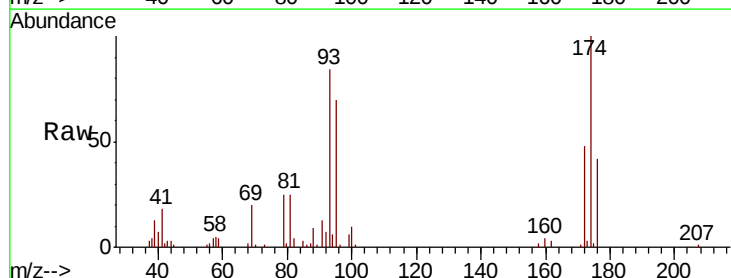
Tgt Ion: 93 Resp: 33057

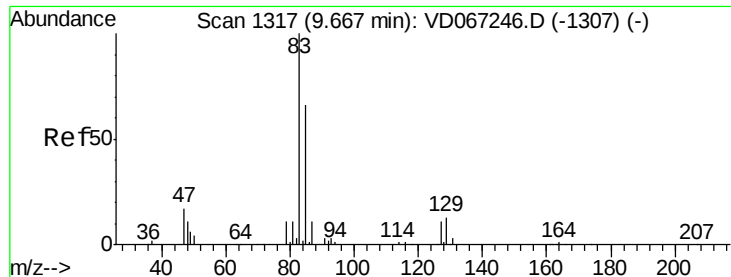
Ion Ratio Lower Upper

93 100

95 84.1 68.0 102.0

174 110.0 91.8 137.6

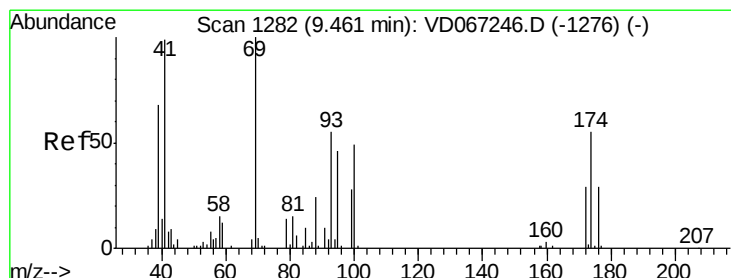
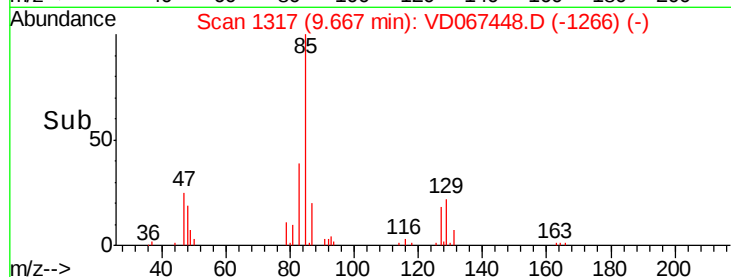
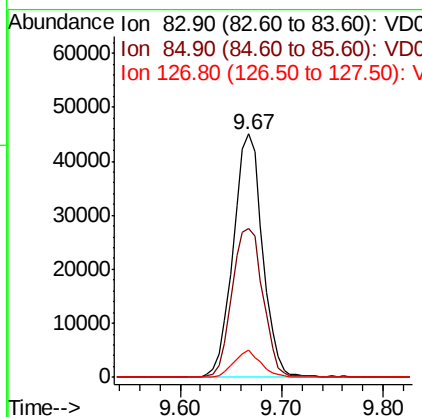
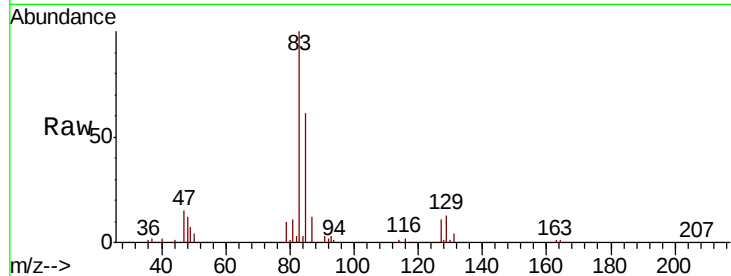




#47
 Bromodichloromethane
 Concen: 21.593 ug/l
 RT: 9.67 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VD067448.D
 Acq: 29 Oct 2020 13:29

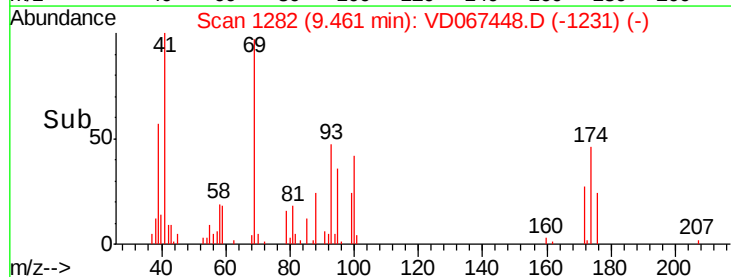
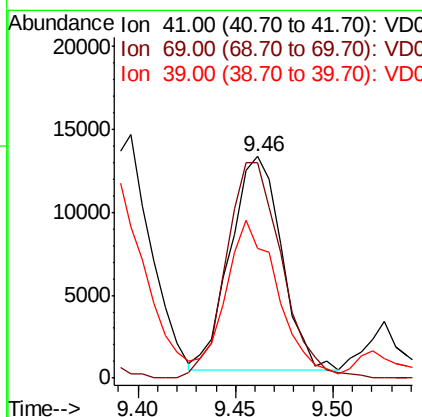
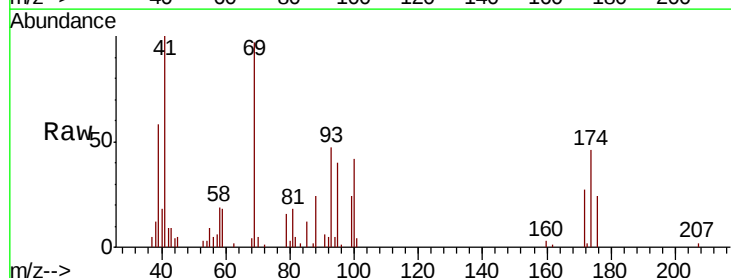
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBSD01

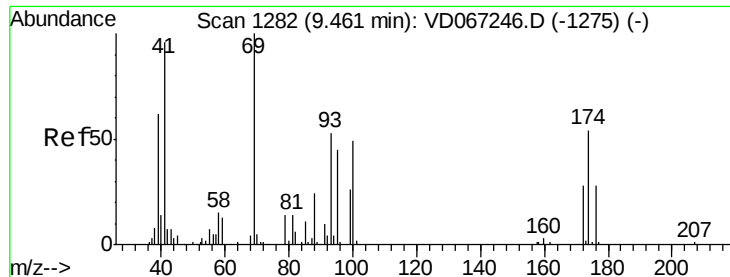
Tot Ion	83	Resp	90519
Ion Ratio	100		
85	60.9	53.1	79.7
127	11.0	8.6	13.0



#48
 Methyl methacrylate
 Concen: 20.943 ug/l
 RT: 9.46 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VD067448.D
 Acq: 29 Oct 2020 13:29

Tgt Ion	41	Resp	23469
Ion Ratio	100		
69	109.0	89.0	133.6
39	75.9	60.2	90.2

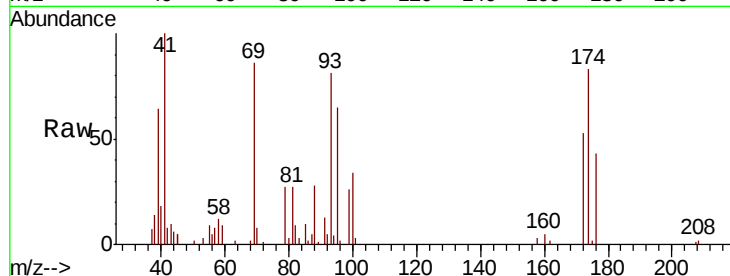




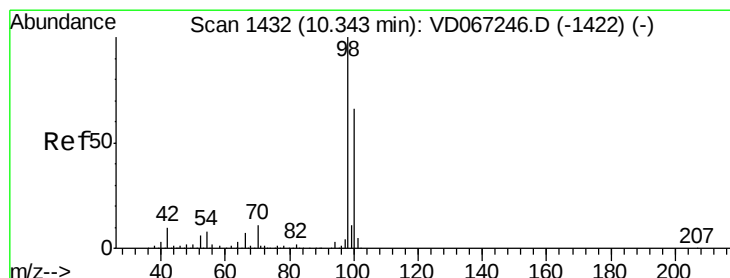
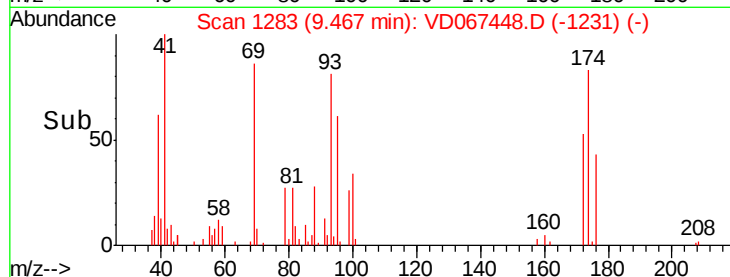
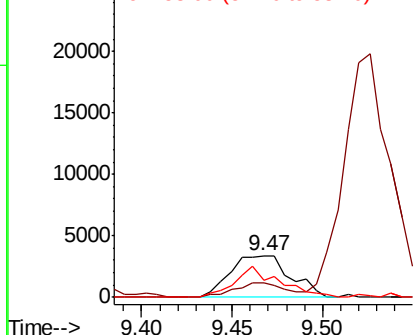
#49
1,4-Dioxane
Concen: 501.784 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD067448.D
Acq: 29 Oct 2020 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBSD01

Tot Ion: 88 Resp: 7827
Ion Ratio Lower Upper
88 100
43 29.2 23.9 35.9
58 55.6 51.0 76.6

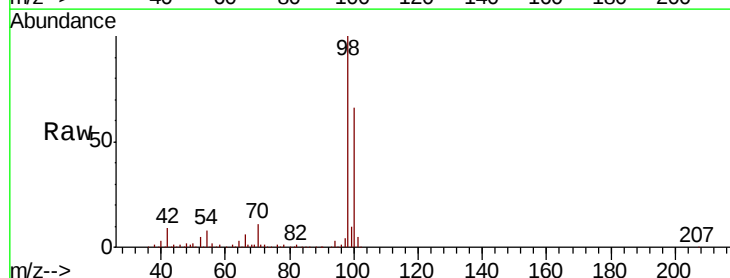


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

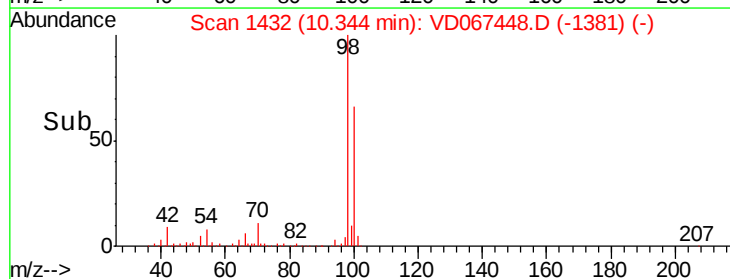
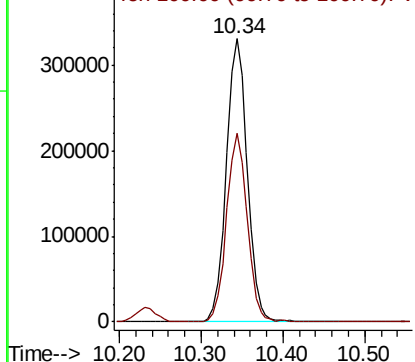


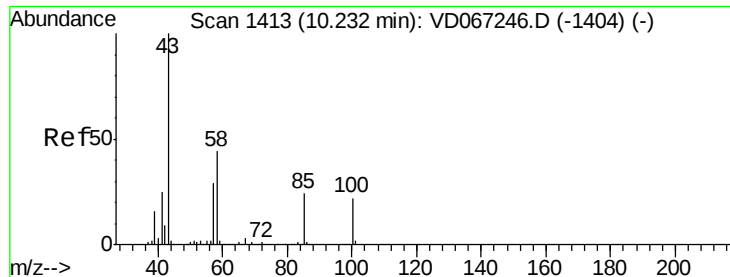
#50
Toluene-d8
Concen: 52.621 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067448.D
Acq: 29 Oct 2020 13:29

Tgt Ion: 98 Resp: 590592
Ion Ratio Lower Upper
98 100
100 65.7 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: 109.623 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067448.D

Acq: 29 Oct 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

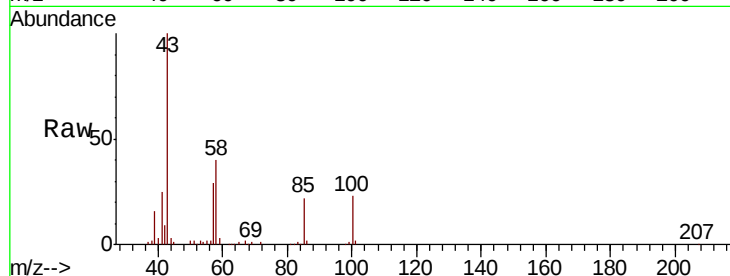
VD1029SBS01

Tot Ion: 43 Resp: 126080

Ion Ratio Lower Upper

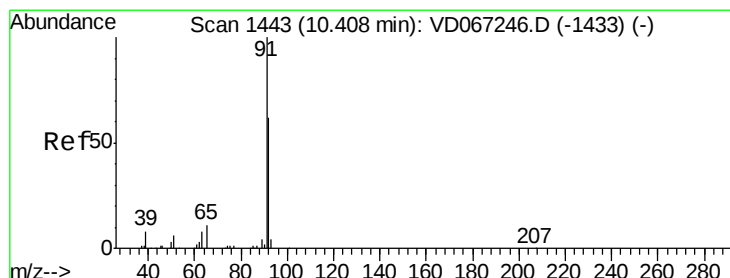
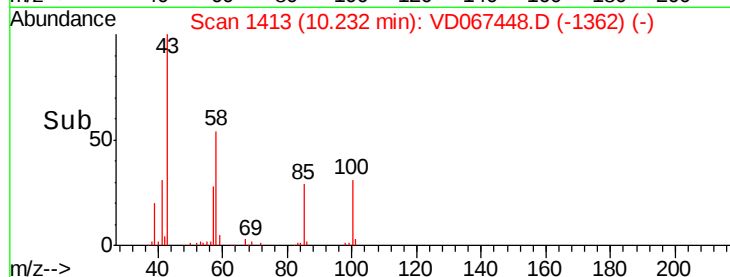
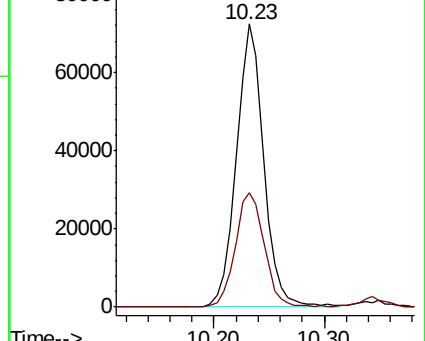
43 100

58 42.6 35.7 53.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 22.179 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067448.D

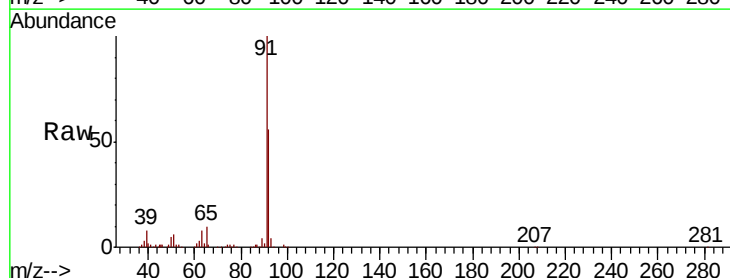
Acq: 29 Oct 2020 13:29

Tgt Ion: 92 Resp: 163688

Ion Ratio Lower Upper

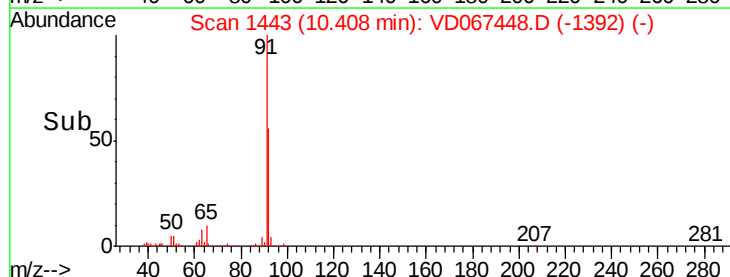
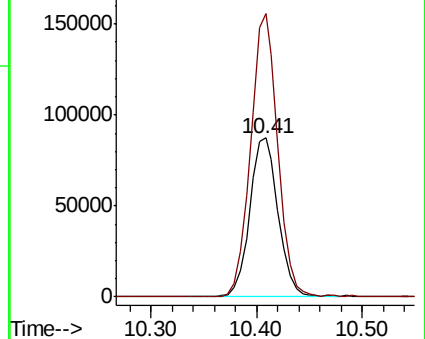
92 100

91 170.1 133.8 200.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 21.369 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD067448.D

Acq: 29 Oct 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

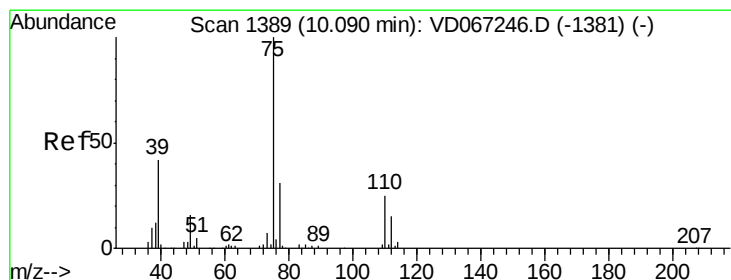
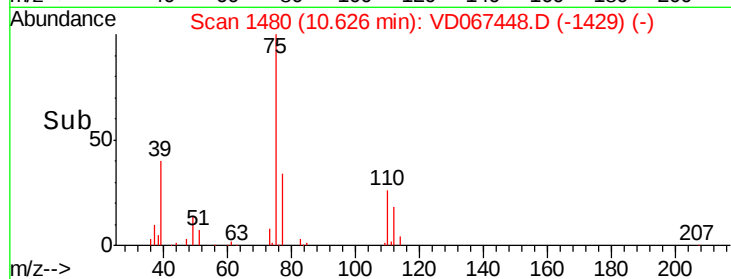
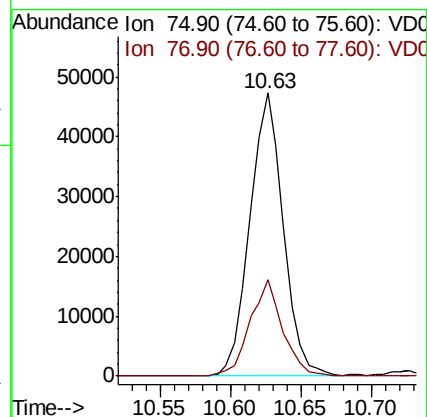
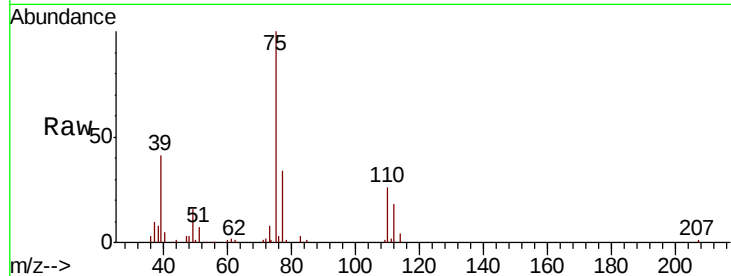
VD1029SBSD01

Tot Ion: 75 Resp: 78692

Ion Ratio Lower Upper

75 100

77 34.1 26.5 39.7



#54

cis-1,3-Dichloropropene

Concen: 21.215 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.01 min

Lab File: VD067448.D

Acq: 29 Oct 2020 13:29

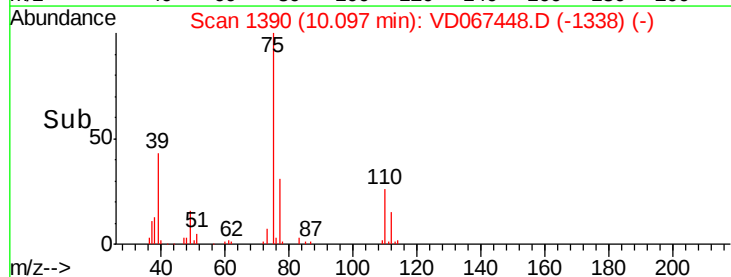
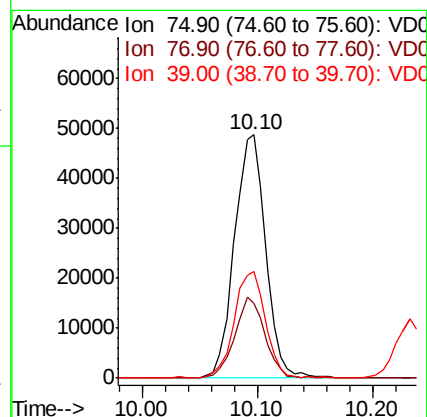
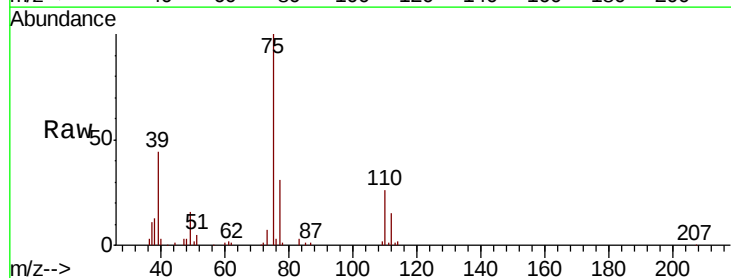
Tgt Ion: 75 Resp: 91433

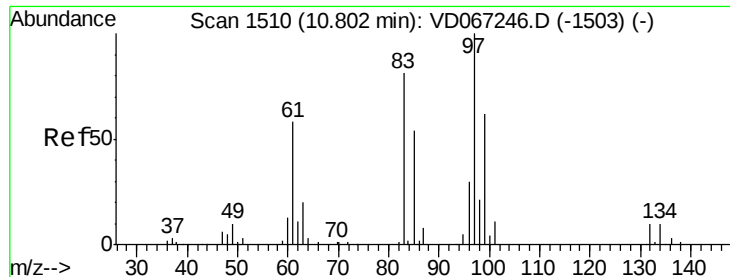
Ion Ratio Lower Upper

75 100

77 30.9 24.5 36.7

39 43.7 33.7 50.5





#55

1,1,2-Trichloroethane

Concen: 22.043 ug/l

RT: 10.81 min Scan# 1511

Delta R.T. 0.01 min

Lab File: VD067448.D

Acq: 29 Oct 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBSD01

Tot Ion: 97 Resp: 47031

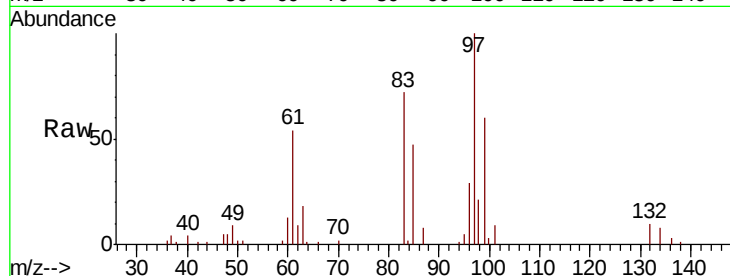
Ion Ratio Lower Upper

97 100

83 71.5 64.9 97.3

85 47.4 43.3 64.9

99 60.1 49.1 73.7

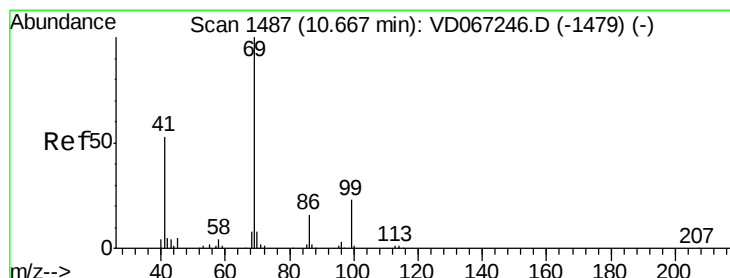
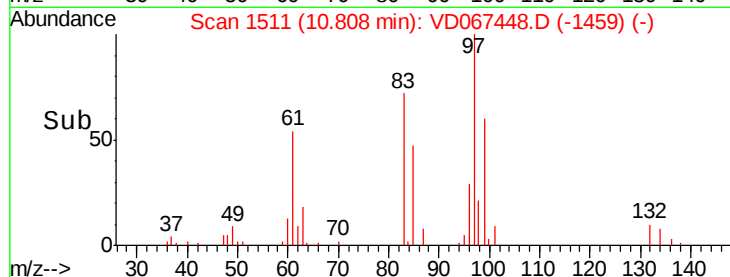
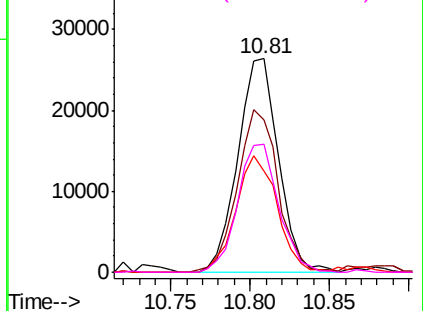


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 20.890 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VD067448.D

Acq: 29 Oct 2020 13:29

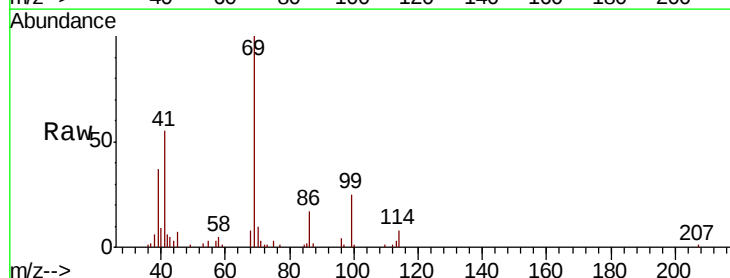
Tgt Ion: 69 Resp: 46225

Ion Ratio Lower Upper

69 100

41 56.4 44.7 67.1

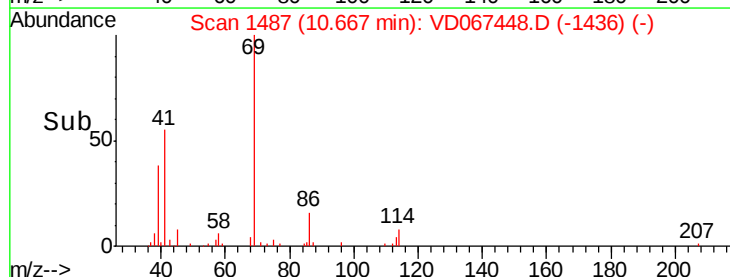
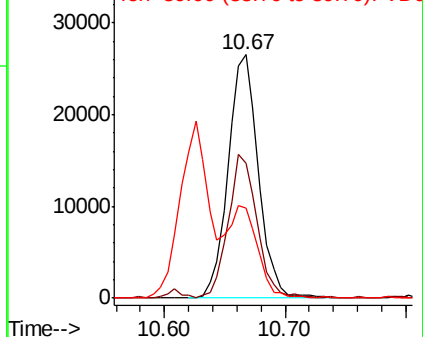
39 33.7 26.2 39.2

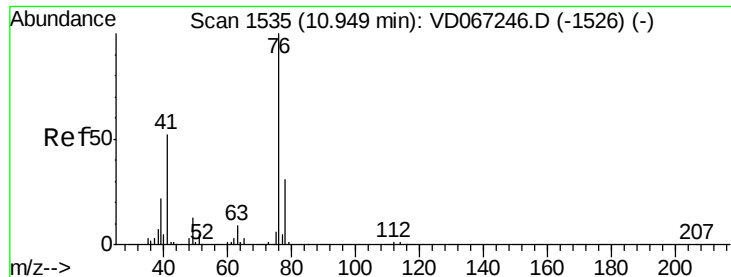


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 22.206 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD067448.D

Acq: 29 Oct 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

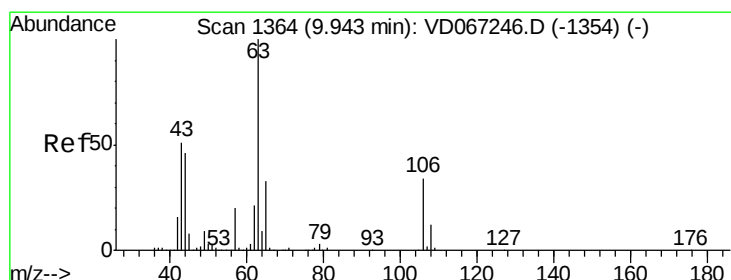
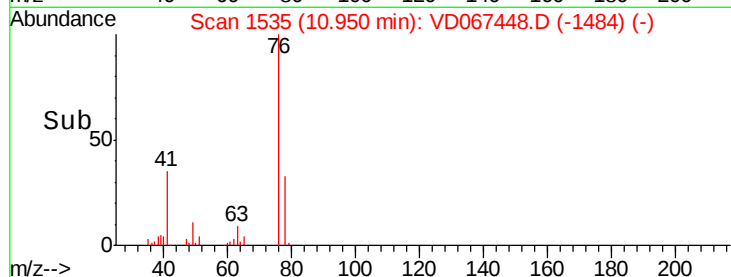
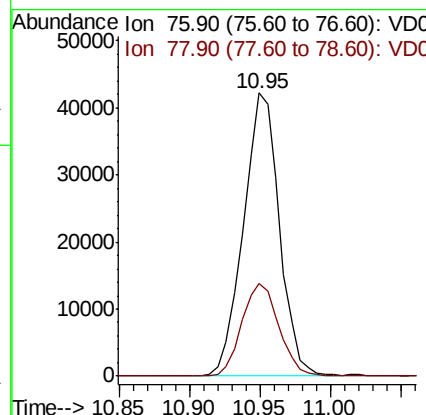
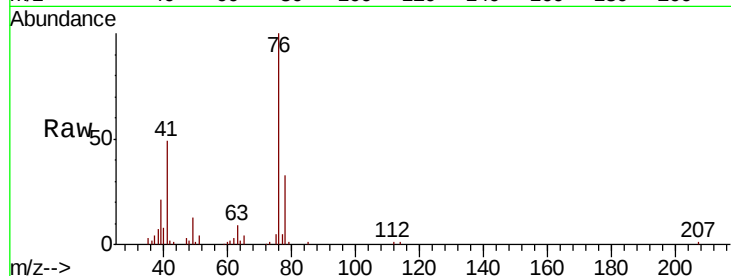
VD1029SBSD01

Tot Ion: 76 Resp: 75402

Ion Ratio Lower Upper

76 100

78 33.6 26.8 40.2



#58

2-Chloroethyl Vinyl ether

Concen: 109.165 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD067448.D

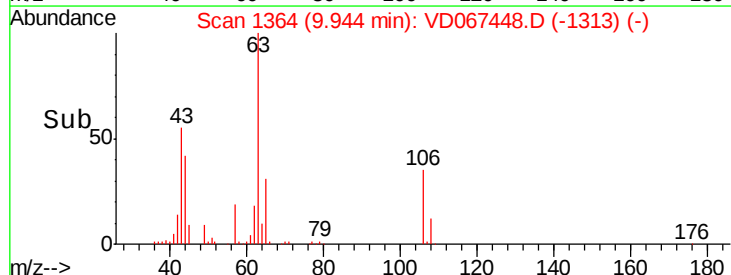
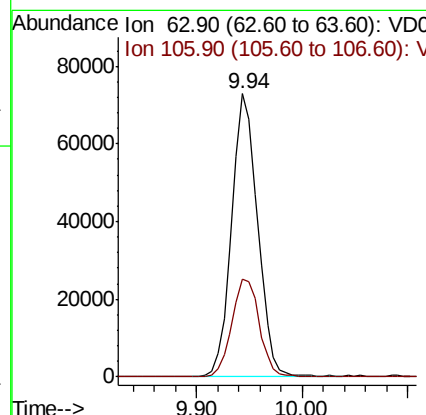
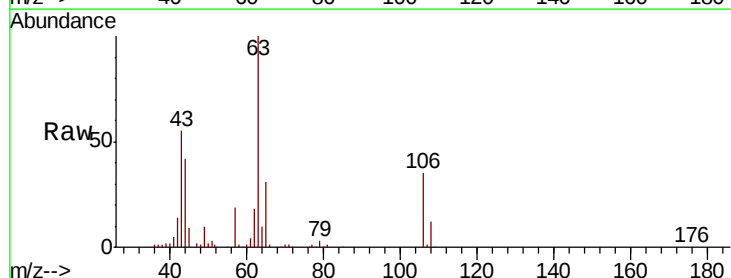
Acq: 29 Oct 2020 13:29

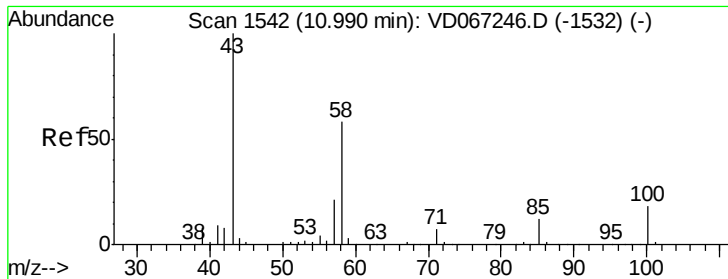
Tgt Ion: 63 Resp: 123921

Ion Ratio Lower Upper

63 100

106 36.4 27.8 41.6





#59

2-Hexanone

Concen: 108.813 ug/l

RT: 10.99 min Scan# 1542

Delta R.T. 0.00 min

Lab File: VD067448.D

Acq: 29 Oct 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

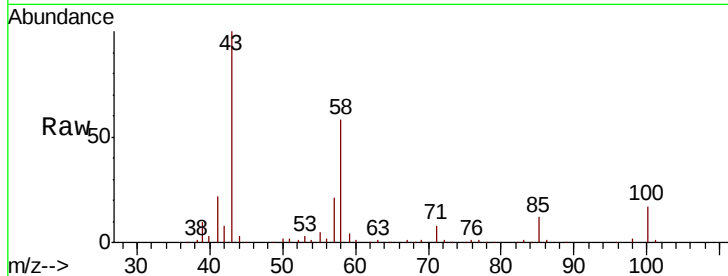
VD1029SBSD01

Tot Ion: 43 Resp: 85518

Ion Ratio Lower Upper

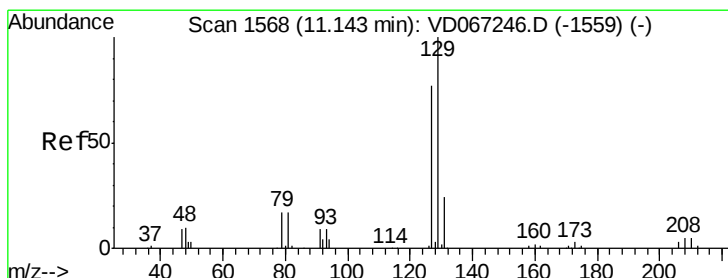
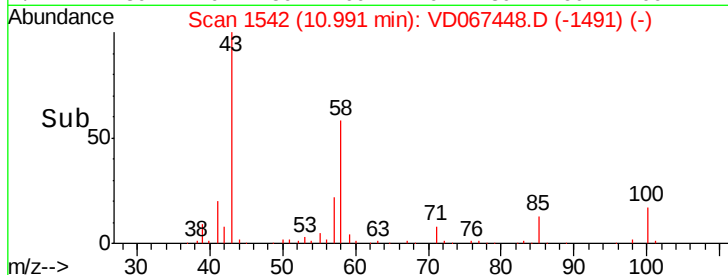
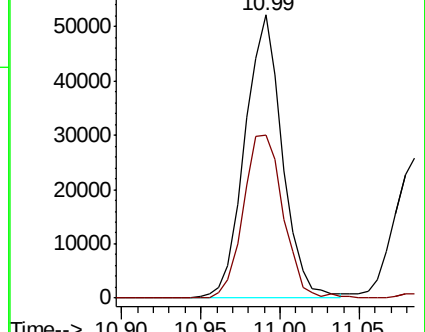
43 100

58 61.3 29.3 87.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#60

Dibromochloromethane

Concen: 21.152 ug/l

RT: 11.14 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VD067448.D

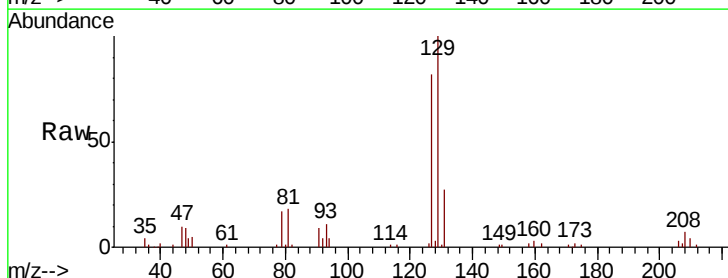
Acq: 29 Oct 2020 13:29

Tgt Ion: 129 Resp: 65817

Ion Ratio Lower Upper

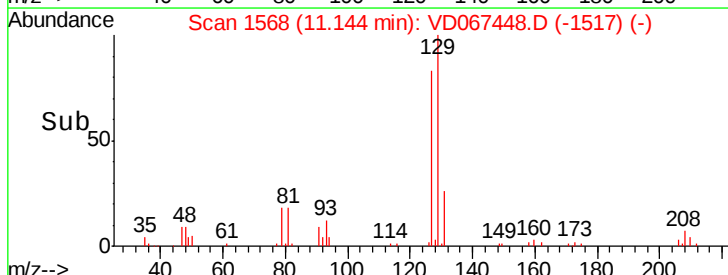
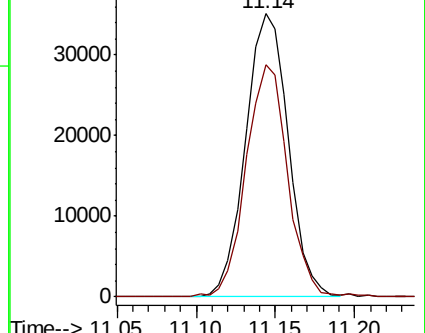
129 100

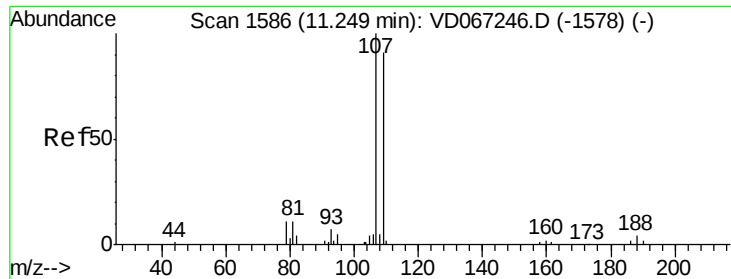
127 79.9 38.3 114.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

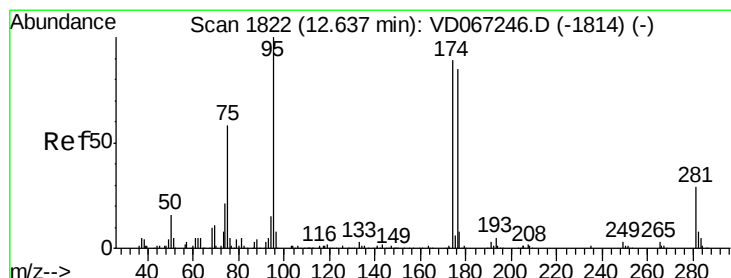
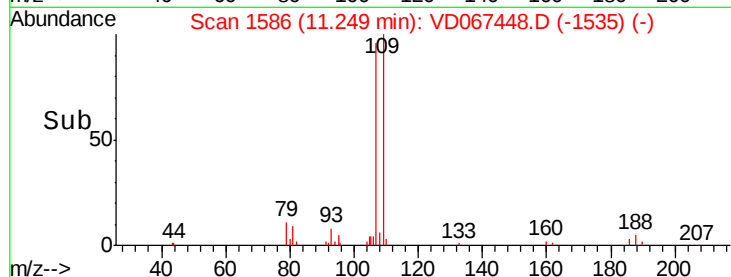
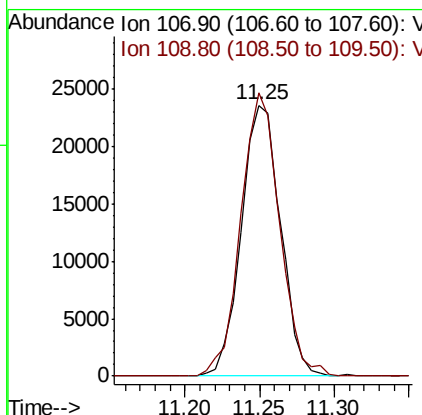
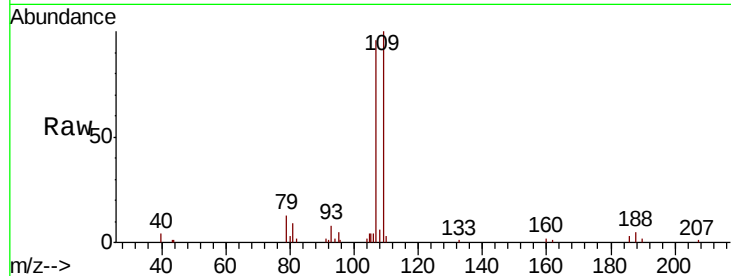




#61
 1,2-Dibromoethane
 Concen: 20.313 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067448.D
 Acq: 29 Oct 2020 13:29

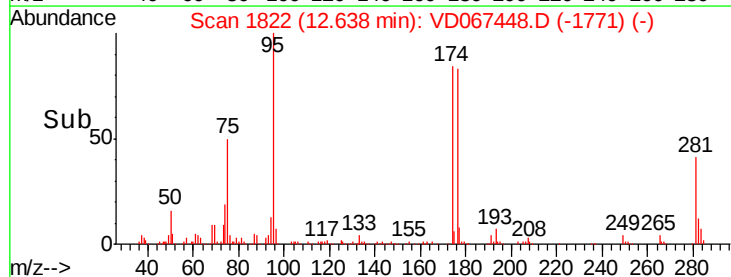
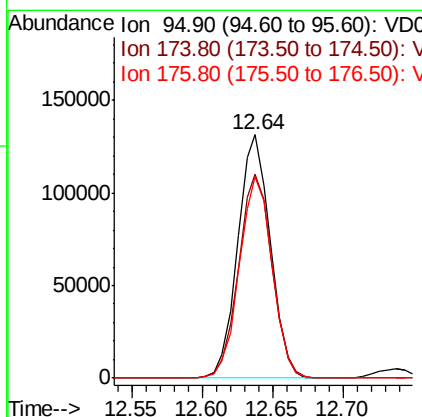
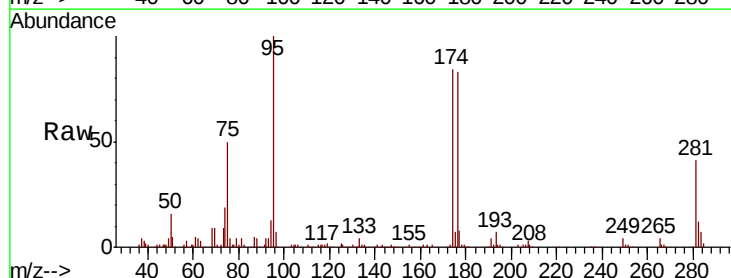
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBSD01

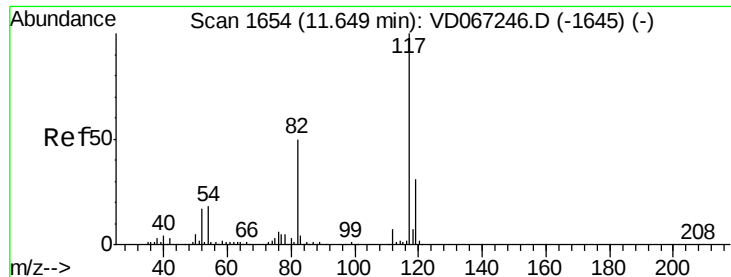
Tot Ion:107 Resp: 42727
 Ion Ratio Lower Upper
 107 100
 109 104.0 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 54.133 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067448.D
 Acq: 29 Oct 2020 13:29

Tgt Ion: 95 Resp: 211264
 Ion Ratio Lower Upper
 95 100
 174 86.0 0.0 175.2
 176 83.9 0.0 168.6

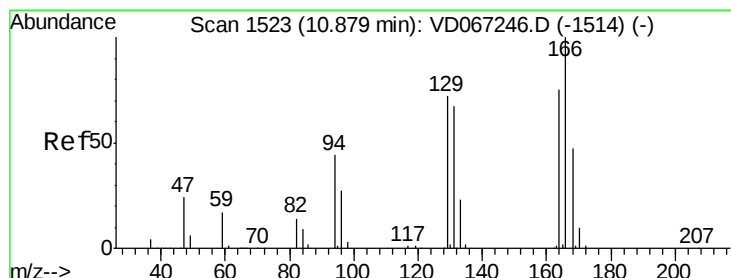
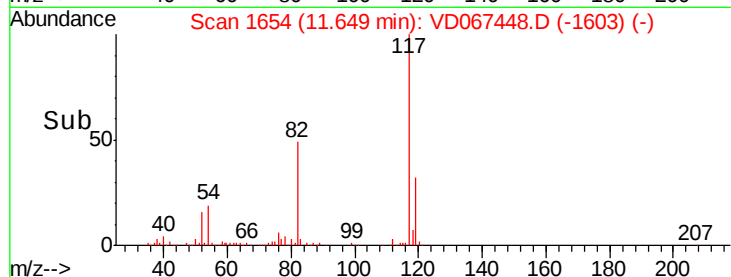
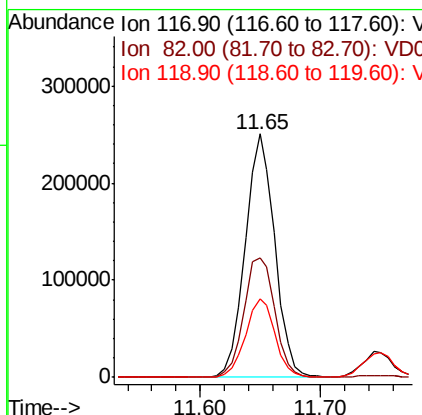
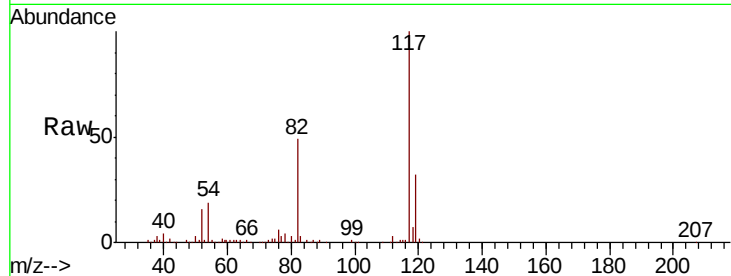




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067448.D
Acq: 29 Oct 2020 13:29

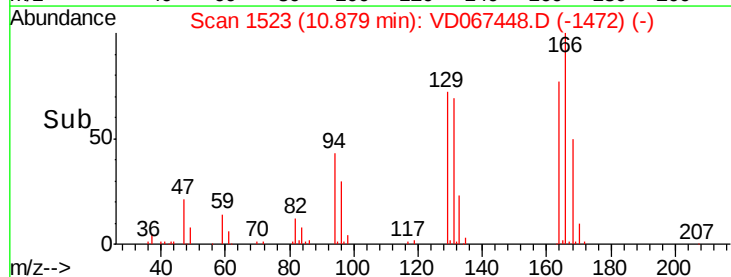
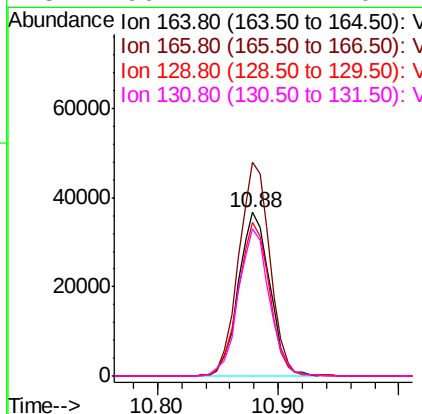
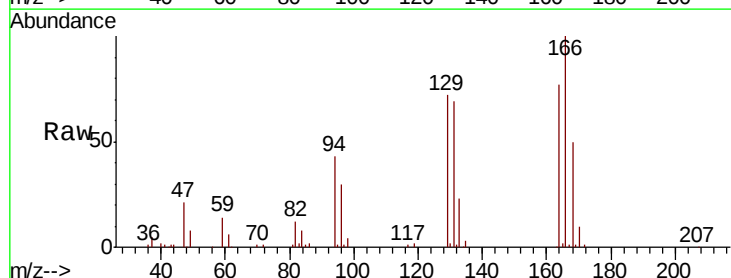
Instrument :
MSVOA_D
ClientSampleId :
VD1029SBSD01

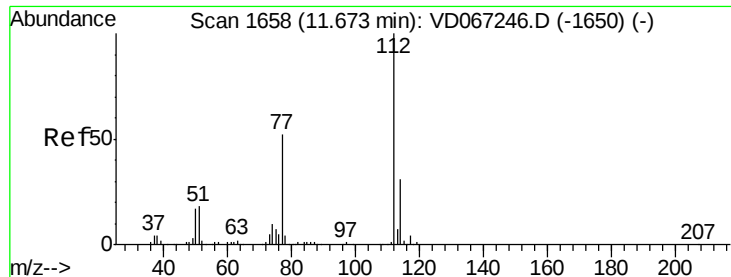
Tot Ion:117 Resp: 427502
Ion Ratio Lower Upper
117 100
82 49.2 39.9 59.9
119 32.1 24.9 37.3



#64
Tetrachloroethene
Concen: 21.608 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067448.D
Acq: 29 Oct 2020 13:29

Tgt Ion:164 Resp: 66929
Ion Ratio Lower Upper
164 100
166 130.4 107.3 160.9
129 93.6 77.3 115.9
131 90.1 71.4 107.2





#65

Chlorobenzene

Concen: 21.671 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD067448.D

Acq: 29 Oct 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

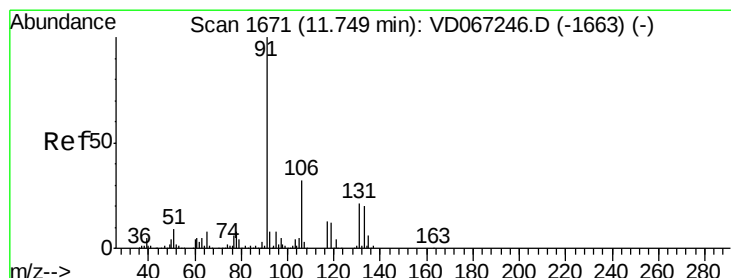
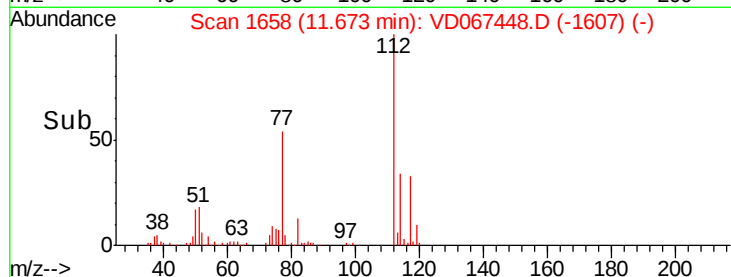
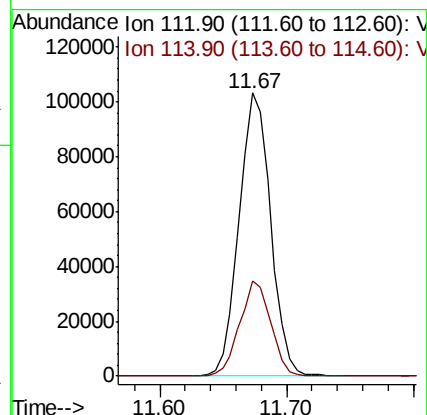
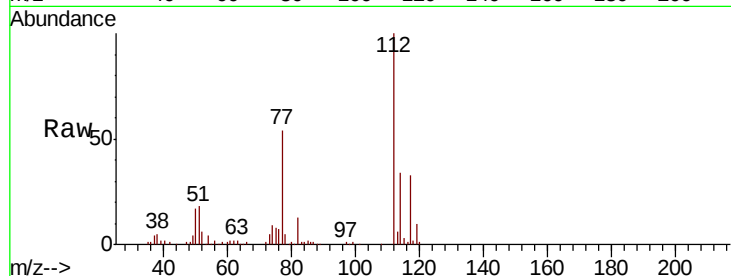
VD1029SBSD01

Tot Ion:112 Resp: 177657

Ion Ratio Lower Upper

112 100

114 33.9 25.0 37.4



#66

1,1,1,2-Tetrachloroethane

Concen: 21.443 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067448.D

Acq: 29 Oct 2020 13:29

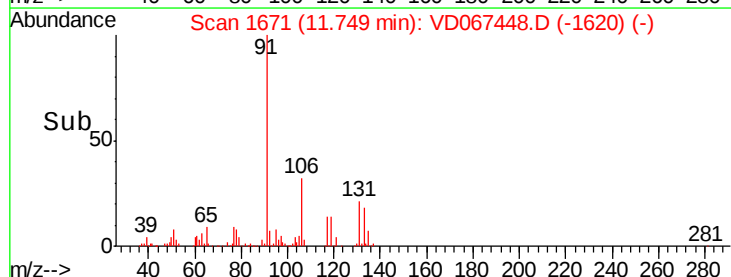
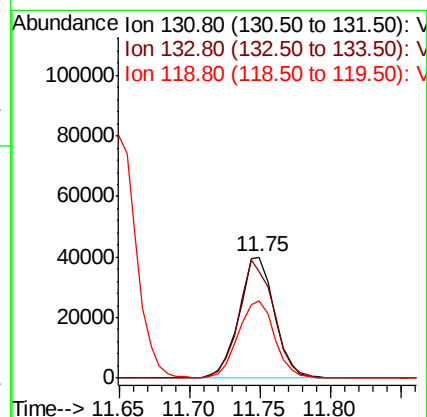
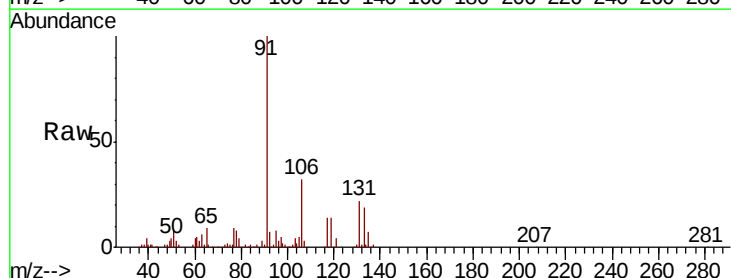
Tgt Ion:131 Resp: 69864

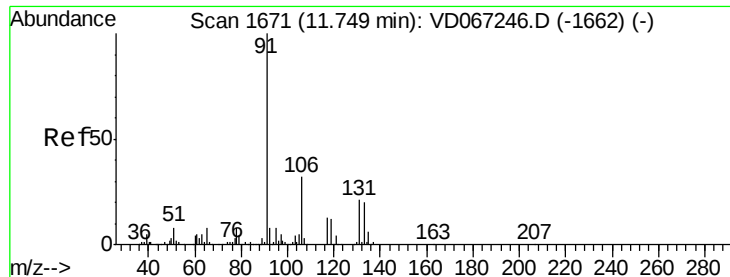
Ion Ratio Lower Upper

131 100

133 96.8 48.1 144.3

119 65.6 30.0 90.0





#67

Ethyl Benzene

Concen: 21.721 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067448.D

Acq: 29 Oct 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

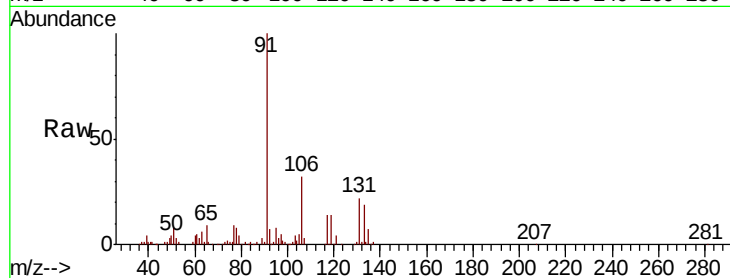
VD1029SBSD01

Tot Ion: 91 Resp: 305239

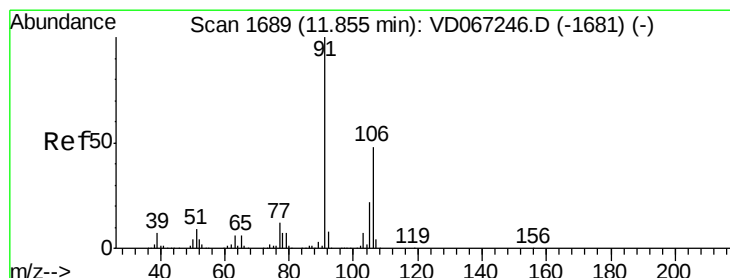
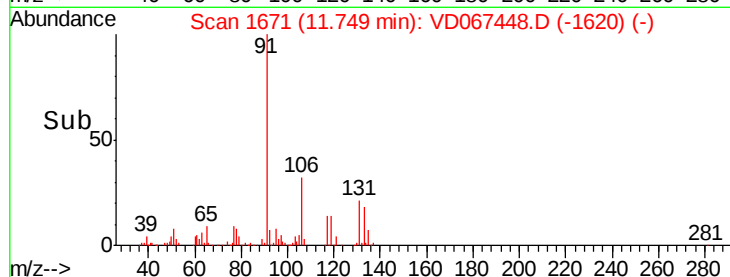
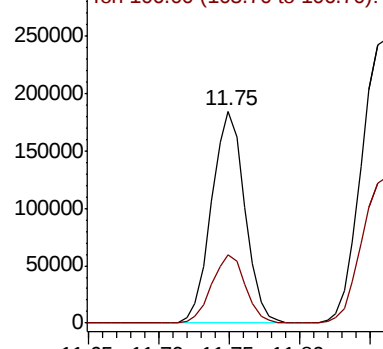
Ion Ratio Lower Upper

91 100

106 32.0 25.4 38.0



Abundance Ion 91.00 (90.70 to 91.70): V



#68

m/p-Xylenes

Concen: 44.806 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VD067448.D

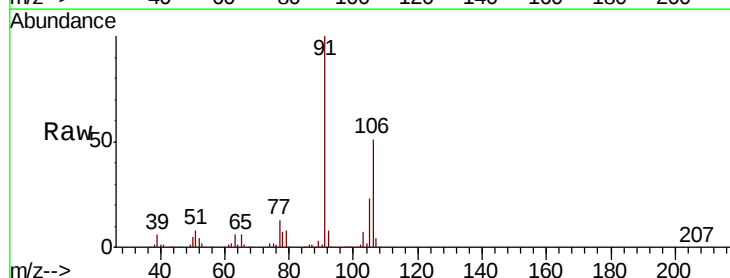
Acq: 29 Oct 2020 13:29

Tgt Ion: 106 Resp: 242463

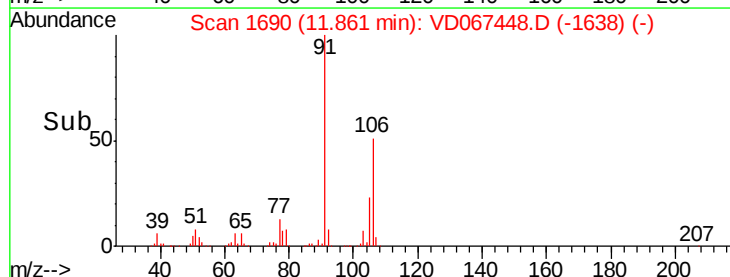
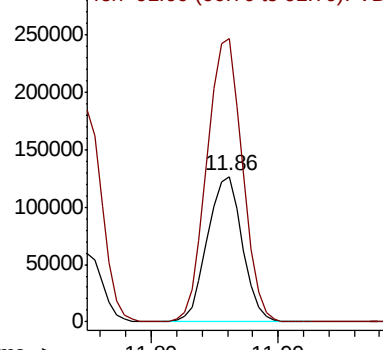
Ion Ratio Lower Upper

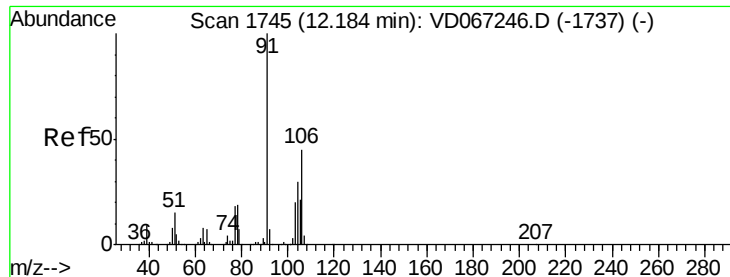
106 100

91 197.9 163.8 245.8



Abundance Ion 106.00 (105.70 to 106.70): V

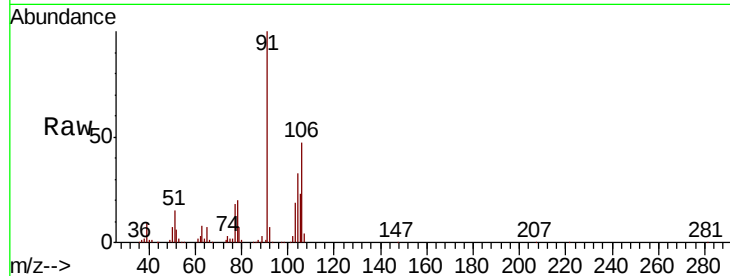




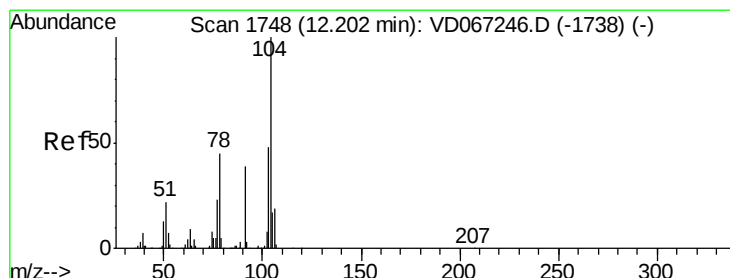
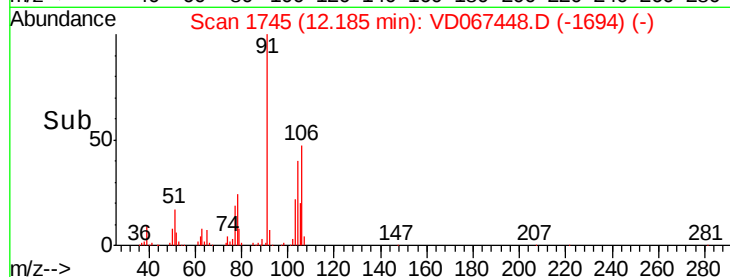
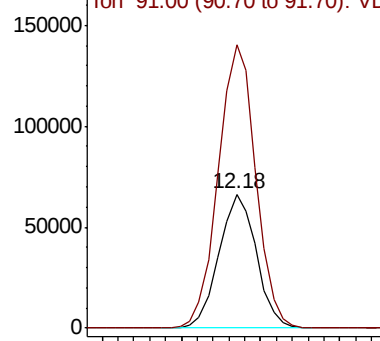
#69
o-Xylene
Concen: 21.683 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067448.D
Acq: 29 Oct 2020 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBSD01

Tot Ion:106 Resp: 108654
Ion Ratio Lower Upper
106 100
91 212.2 109.1 327.3

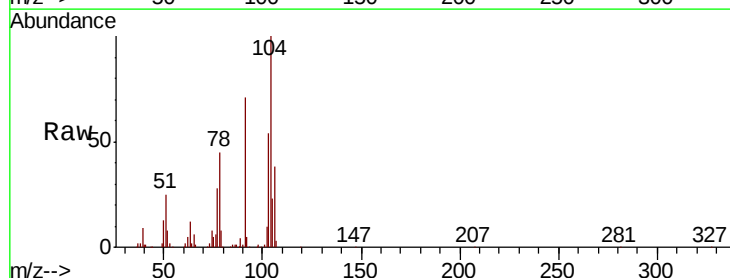


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

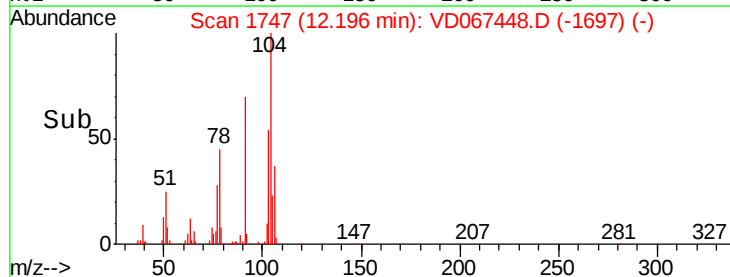
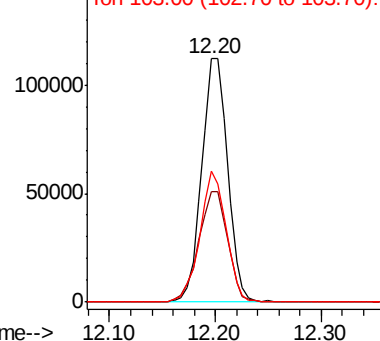


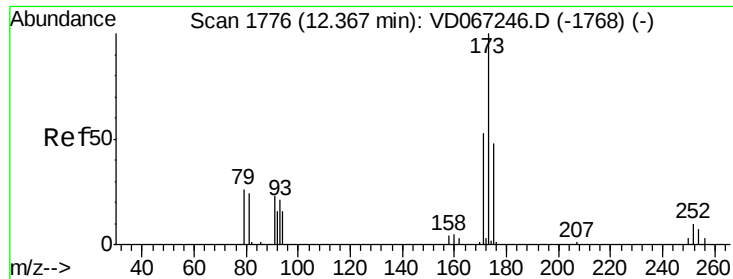
#70
Styrene
Concen: 21.986 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD067448.D
Acq: 29 Oct 2020 13:29

Tgt Ion:104 Resp: 189653
Ion Ratio Lower Upper
104 100
78 50.7 39.8 59.6
103 54.3 42.6 64.0



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

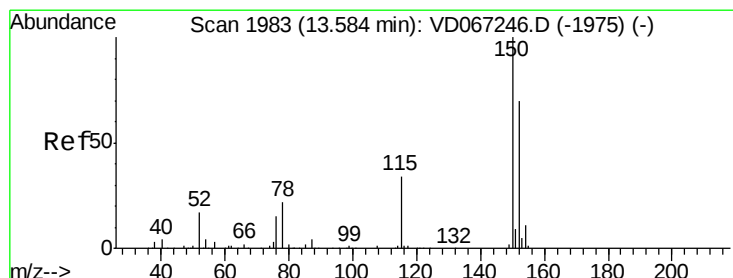
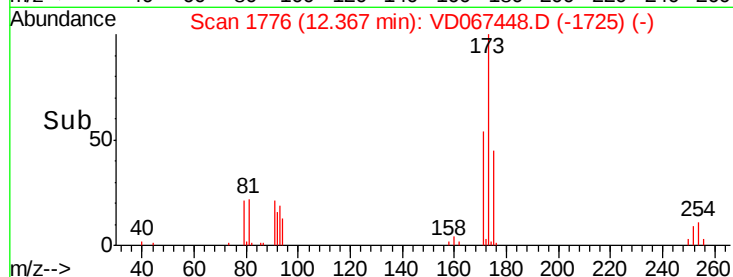
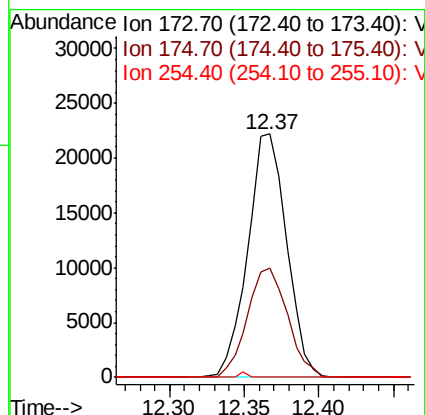
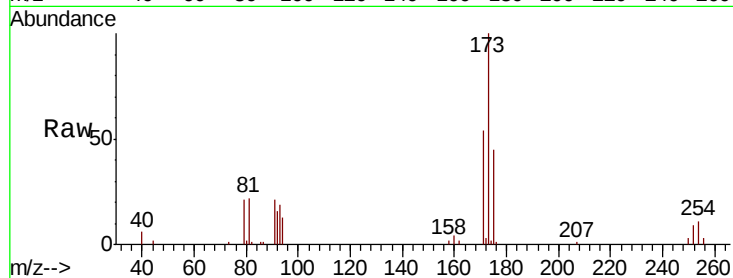




#71
Bromoform
Concen: 22.835 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD067448.D
Acq: 29 Oct 2020 13:29

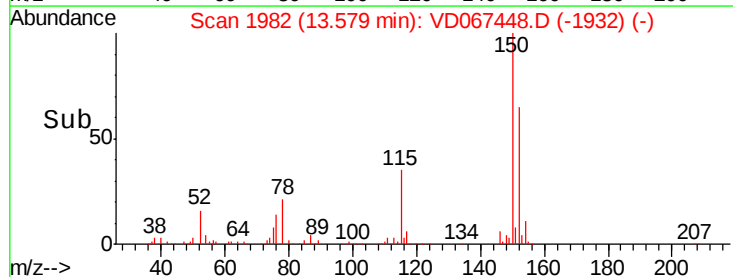
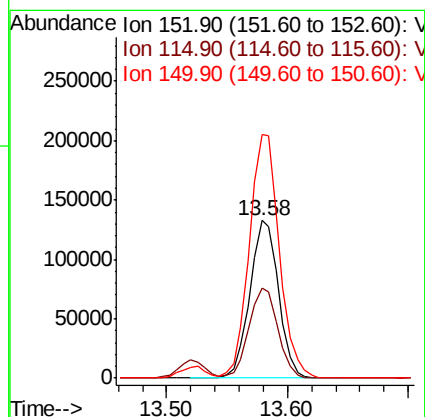
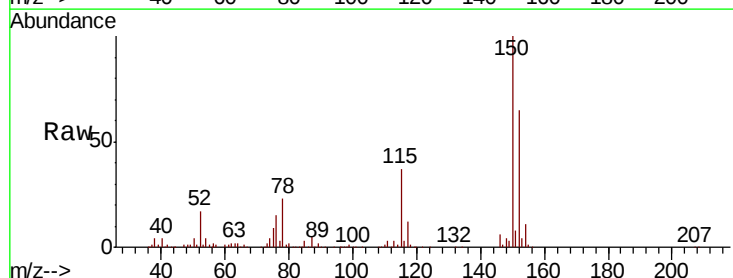
Instrument :
MSVOA_D
ClientSampleId :
VD1029SBSD01

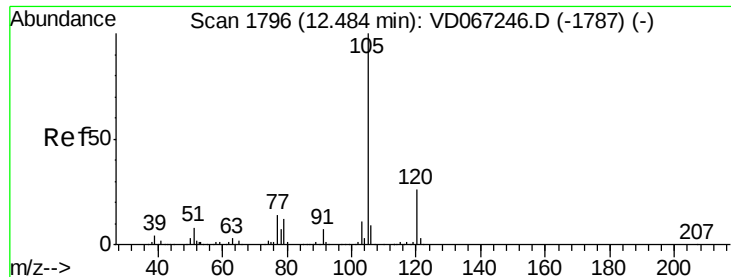
Tot Ion:173 Resp: 39969
Ion Ratio Lower Upper
173 100
175 46.6 24.2 72.6
254 0.5 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067448.D
Acq: 29 Oct 2020 13:29

Tgt Ion:152 Resp: 219267
Ion Ratio Lower Upper
152 100
115 58.2 29.3 87.9
150 162.2 0.0 339.0





#73

Isopropylbenzene

Concen: 21.958 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067448.D

Acq: 29 Oct 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

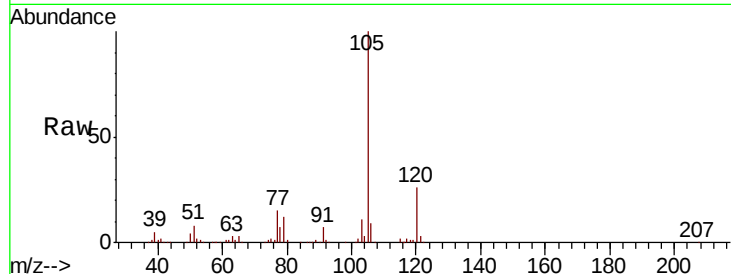
VD1029SBS01

Tot Ion:105 Resp: 305577

Ion Ratio Lower Upper

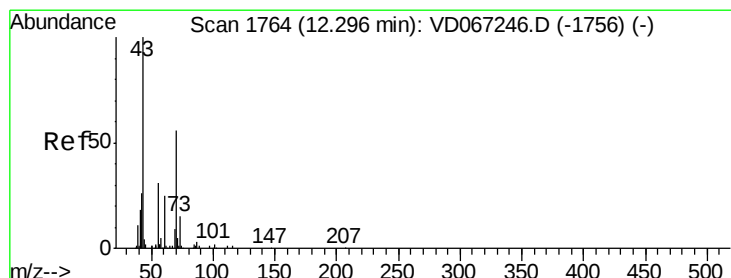
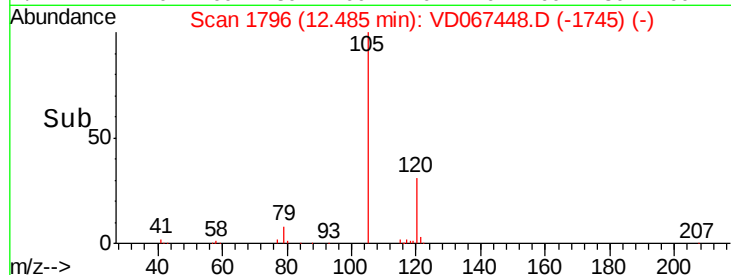
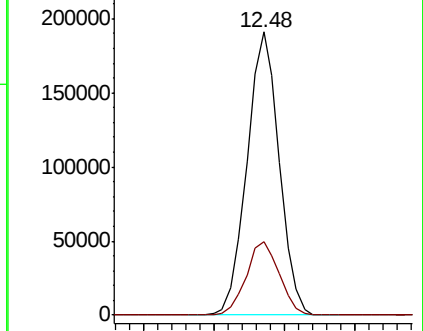
105 100

120 26.6 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.387 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD067448.D

Acq: 29 Oct 2020 13:29

Tgt Ion: 43 Resp: 44951

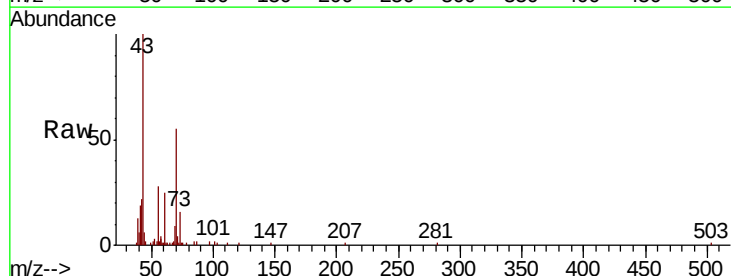
Ion Ratio Lower Upper

43 100

70 55.0 42.7 64.1

55 28.8 24.0 36.0

61 27.3 22.2 33.4

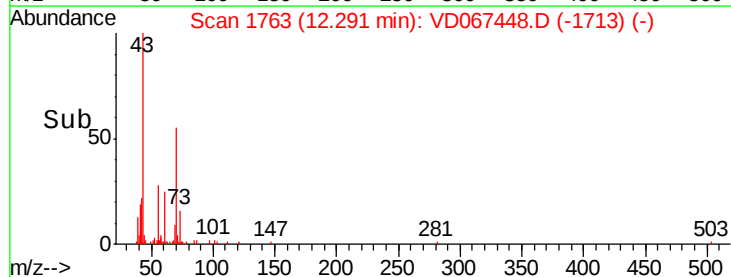
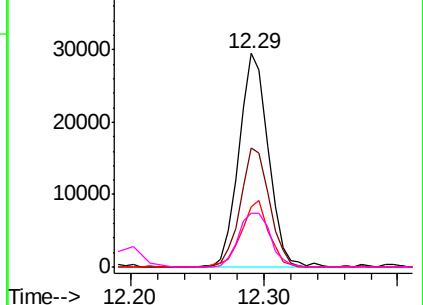


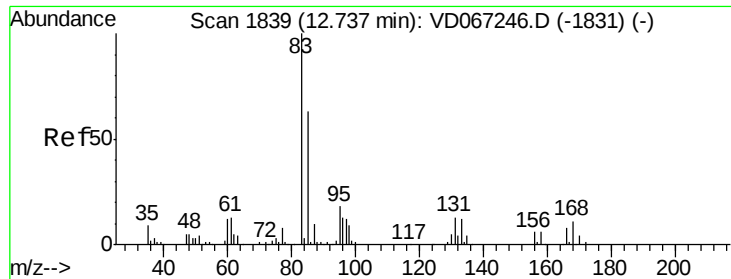
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 22.264 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067448.D

Acq: 29 Oct 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBSD01

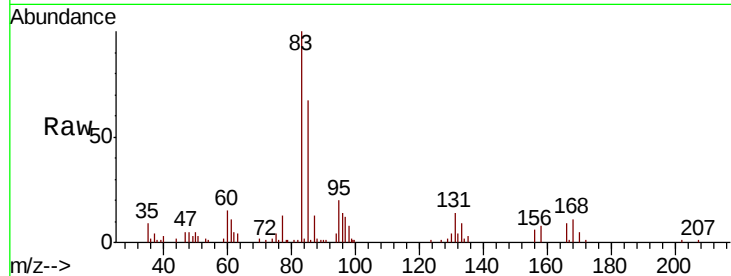
Tot Ion: 83 Resp: 47472

Ion Ratio Lower Upper

83 100

131 13.7 6.5 19.5

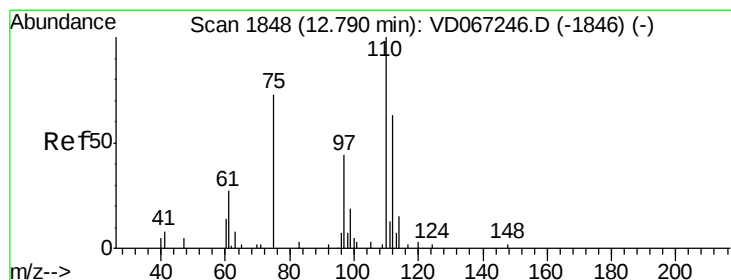
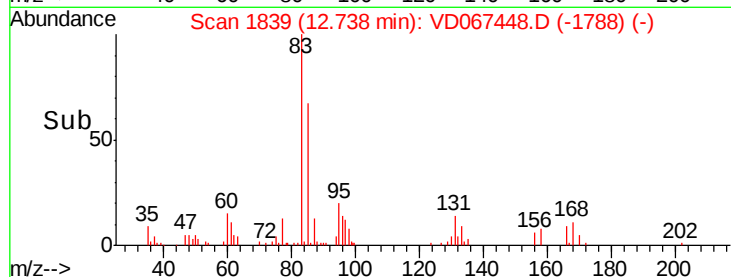
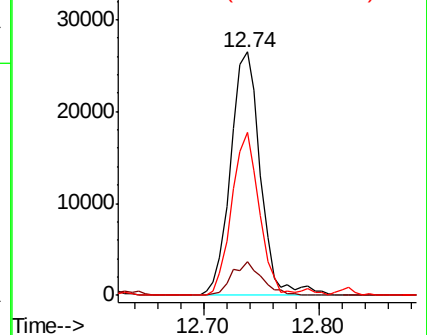
85 61.4 32.6 97.7



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: 41.617 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD067448.D

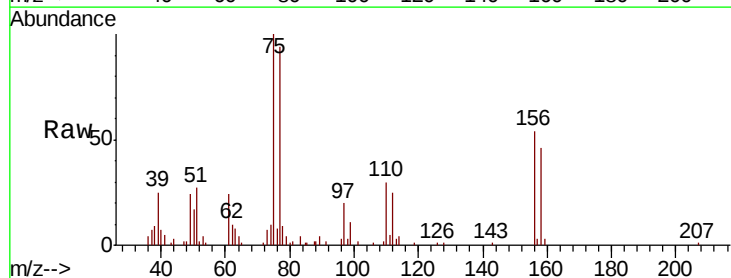
Acq: 29 Oct 2020 13:29

Tgt Ion: 75 Resp: 63246

Ion Ratio Lower Upper

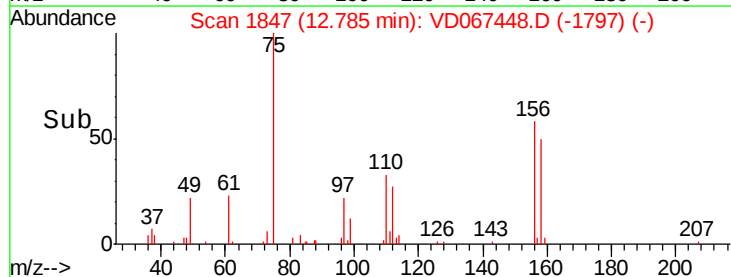
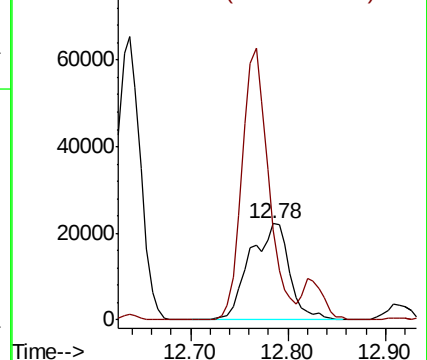
75 100

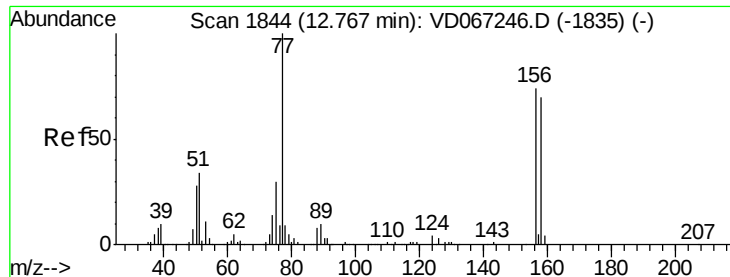
77 188.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 22.266 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067448.D

Acq: 29 Oct 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

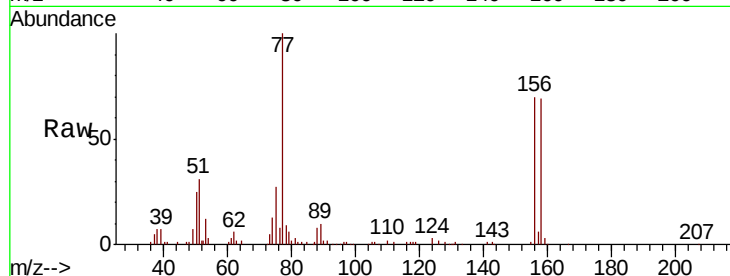
Tot Ion:156 Resp: 77251

Ion Ratio Lower Upper

156 100

77 154.7 78.0 233.8

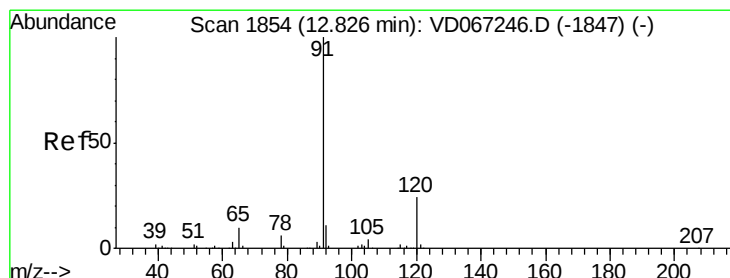
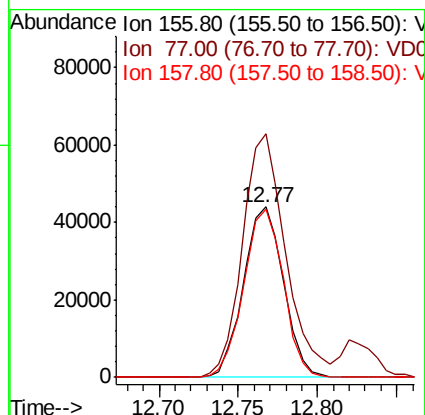
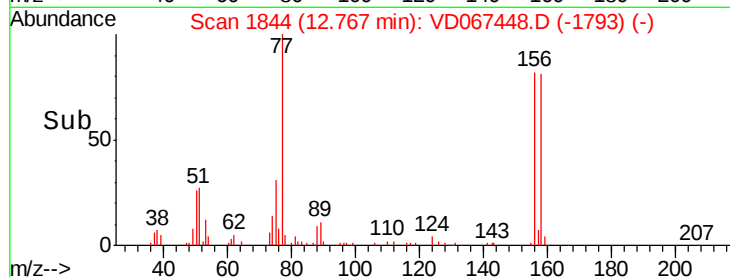
158 97.9 49.1 147.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.070 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067448.D

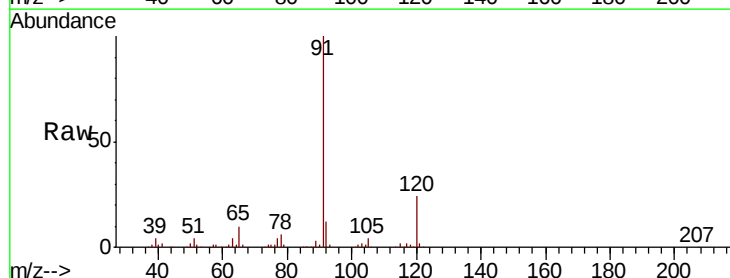
Acq: 29 Oct 2020 13:29

Tgt Ion: 91 Resp: 355847

Ion Ratio Lower Upper

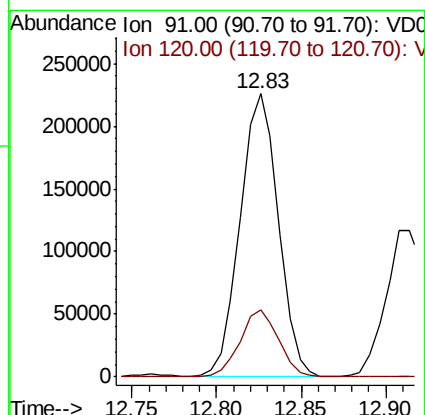
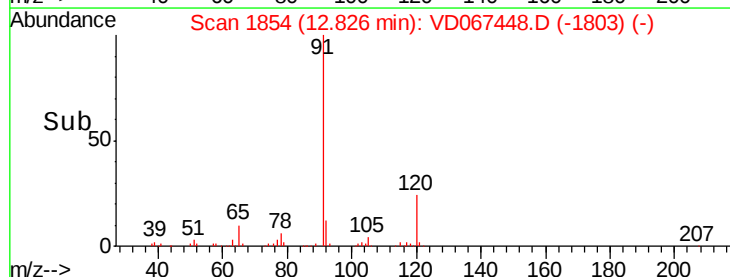
91 100

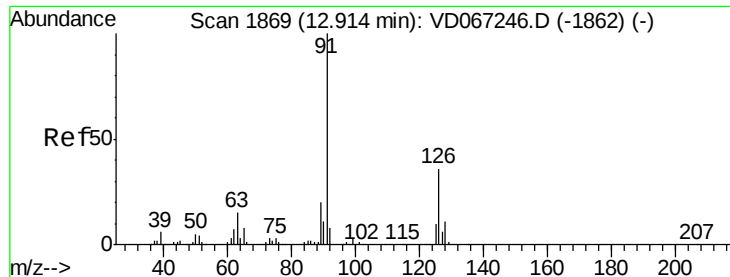
120 23.7 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

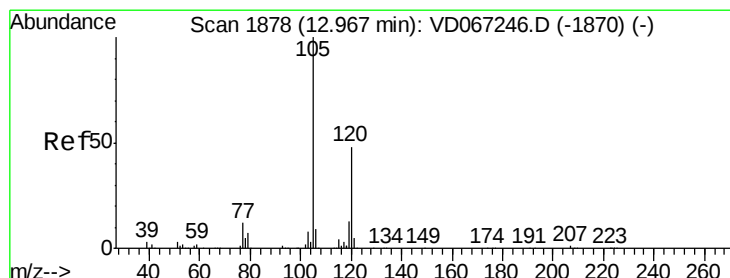
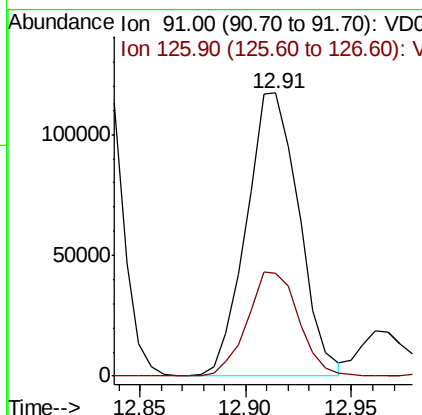
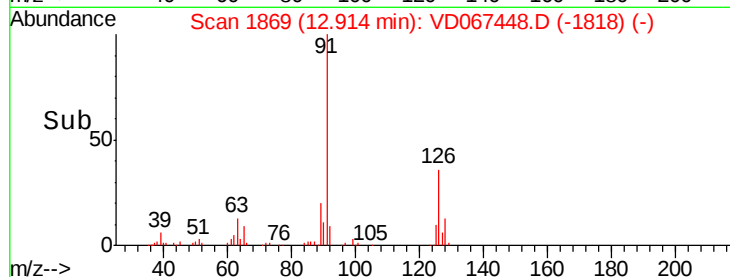
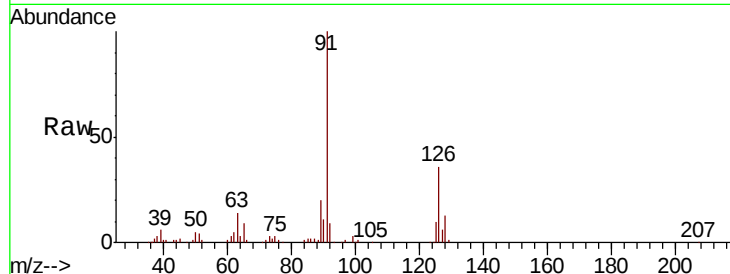




#79
 2-Chlorotoluene
 Concen: 21.718 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD067448.D
 Acq: 29 Oct 2020 13:29

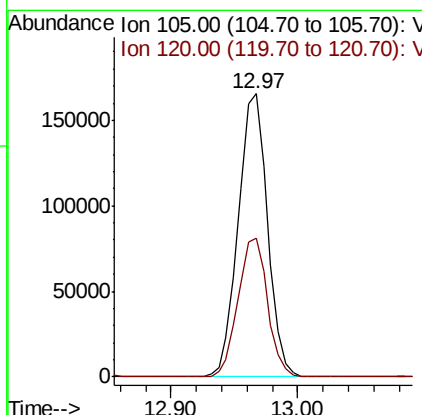
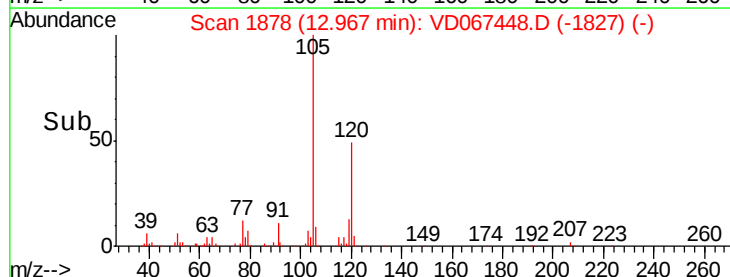
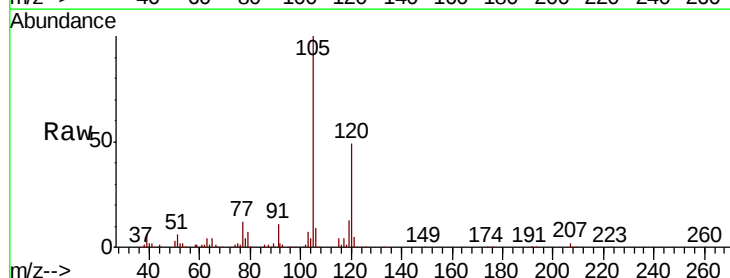
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBSD01

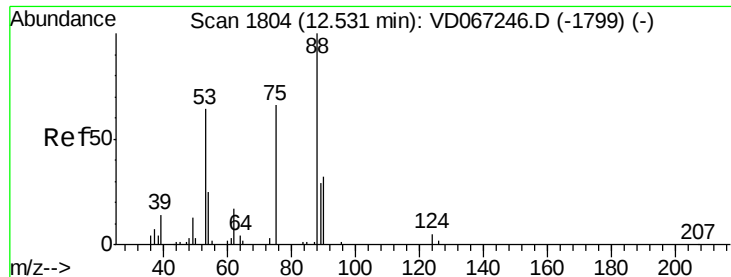
Tot Ion: 91 Resp: 203070
 Ion Ratio Lower Upper
 91 100
 126 35.9 17.6 52.8



#80
 1,3,5-Trimethylbenzene
 Concen: 21.889 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD067448.D
 Acq: 29 Oct 2020 13:29

Tgt Ion: 105 Resp: 264701
 Ion Ratio Lower Upper
 105 100
 120 49.3 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 21.275 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD067448.D

Acq: 29 Oct 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

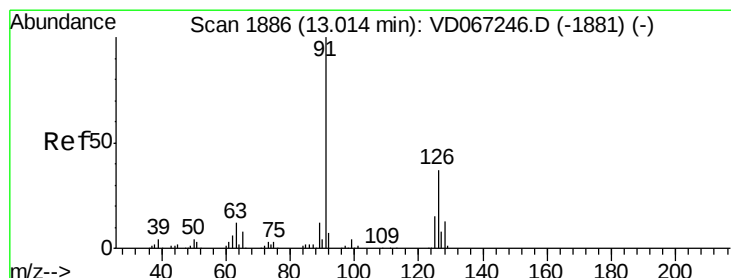
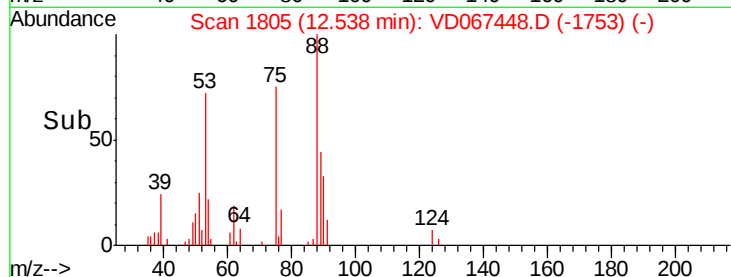
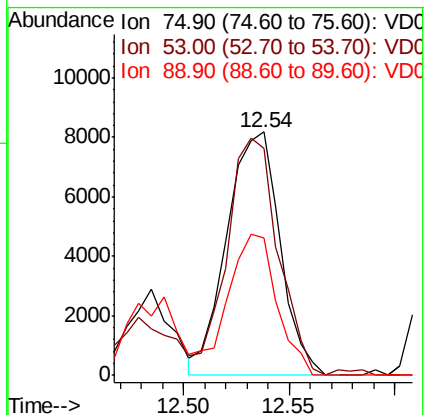
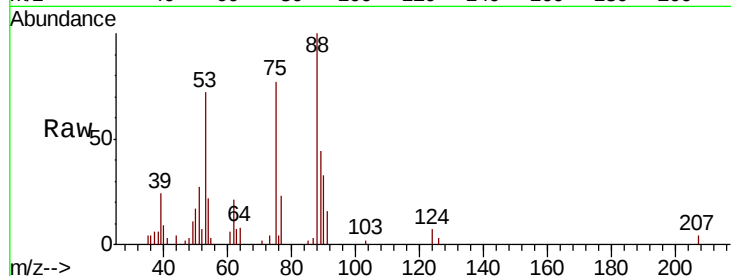
Tot Ion: 75 Resp: 14258

Ion Ratio Lower Upper

75 100

53 94.2 78.5 117.7

89 54.2 39.9 59.9



#82

4-Chlorotoluene

Concen: 22.247 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD067448.D

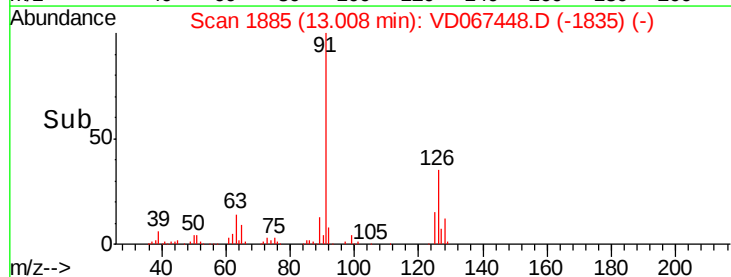
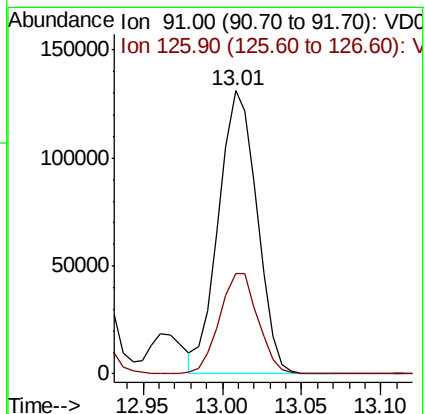
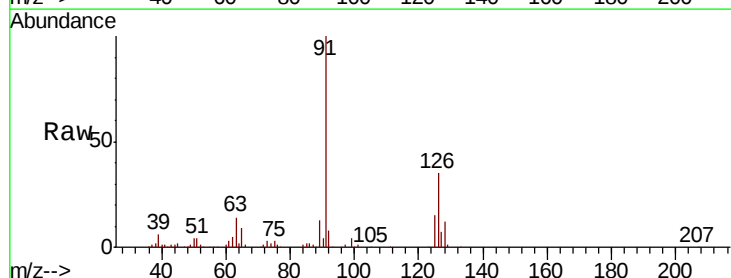
Acq: 29 Oct 2020 13:29

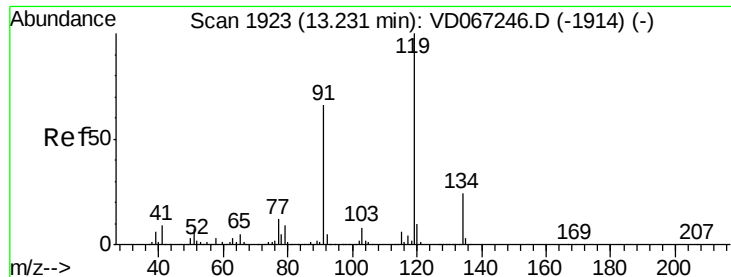
Tgt Ion: 91 Resp: 220778

Ion Ratio Lower Upper

91 100

126 35.5 17.8 53.5

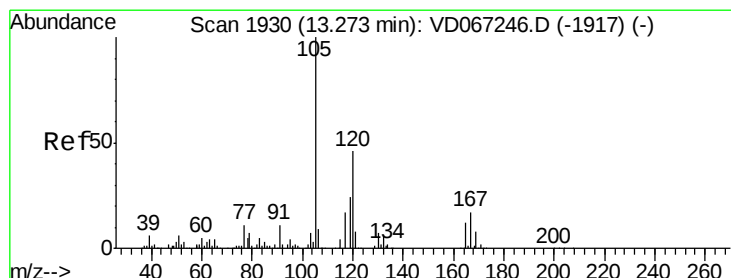
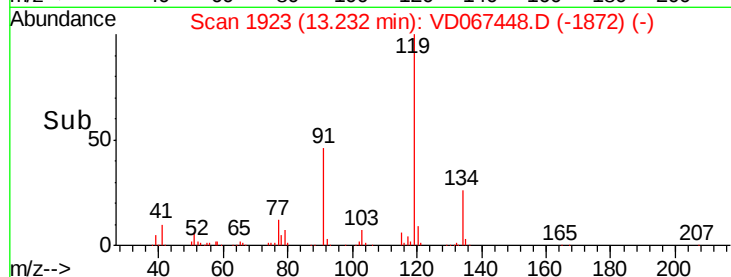
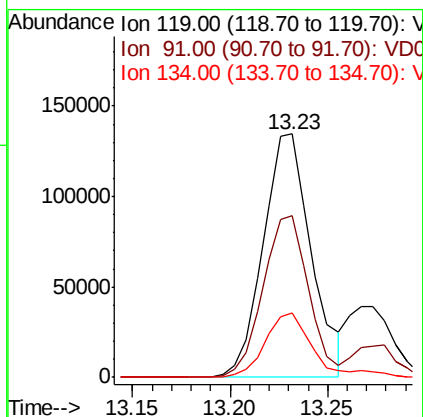
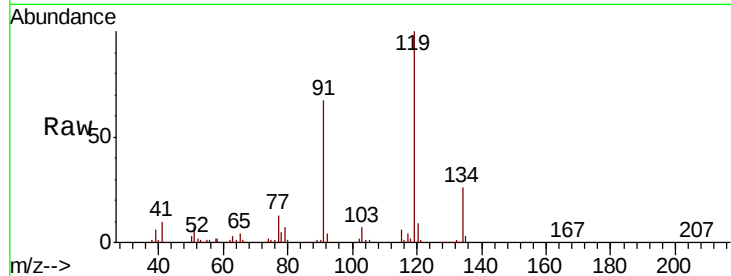




#83
tert-Butylbenzene
Concen: 22.529 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD067448.D
Acq: 29 Oct 2020 13:29

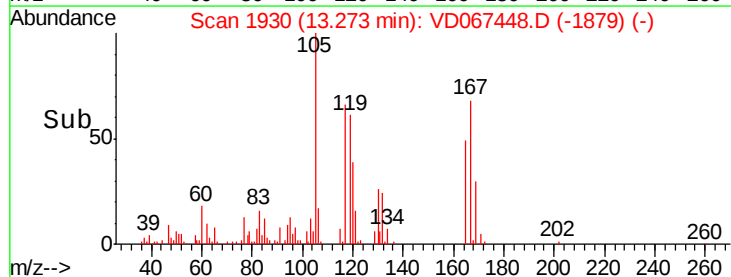
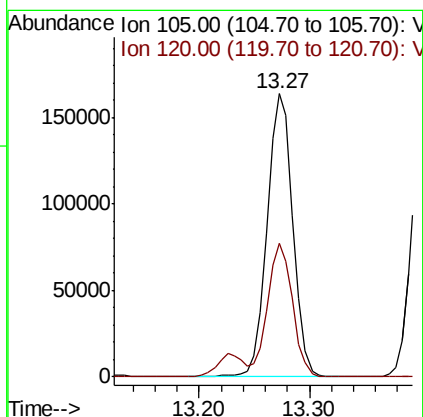
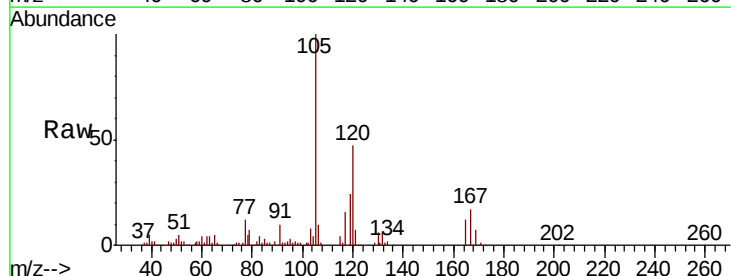
Instrument :
MSVOA_D
ClientSampleId :
VD1029SBSD01

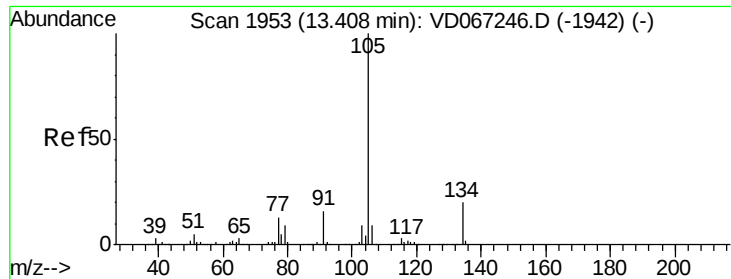
Tot Ion:119 Resp: 230133
Ion Ratio Lower Upper
119 100
91 62.9 33.1 99.2
134 26.6 13.3 39.9



#84
1,2,4-Trimethylbenzene
Concen: 22.226 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067448.D
Acq: 29 Oct 2020 13:29

Tgt Ion:105 Resp: 265659
Ion Ratio Lower Upper
105 100
120 46.1 22.4 67.3





#85

sec-Butylbenzene

Concen: 21.967 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD067448.D

Acq: 29 Oct 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

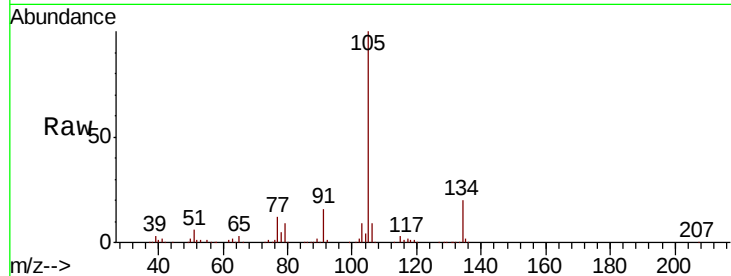
VD1029SBS01

Tot Ion:105 Resp: 307912

Ion Ratio Lower Upper

105 100

134 20.4 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

200000

150000

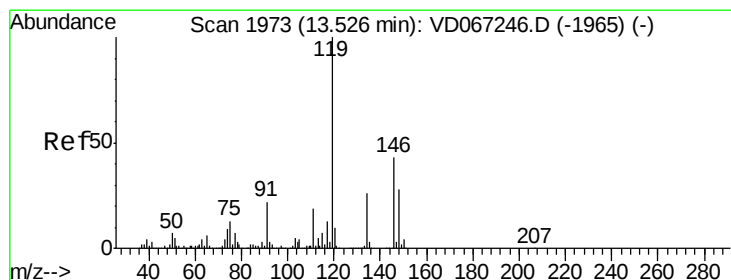
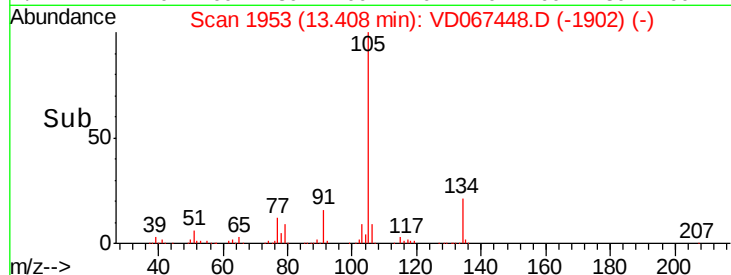
100000

50000

0

13.35 13.40 13.45

Time-->



#86

p-Isopropyltoluene

Concen: 22.131 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD067448.D

Acq: 29 Oct 2020 13:29

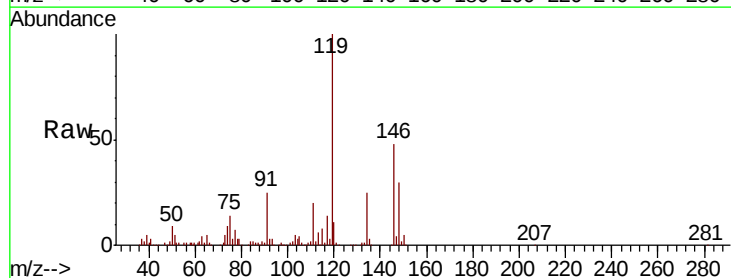
Tgt Ion:119 Resp: 292795

Ion Ratio Lower Upper

119 100

134 25.8 13.1 39.3

91 24.4 11.9 35.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

250000

200000

150000

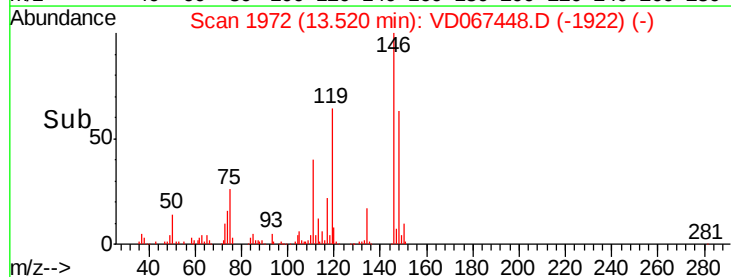
100000

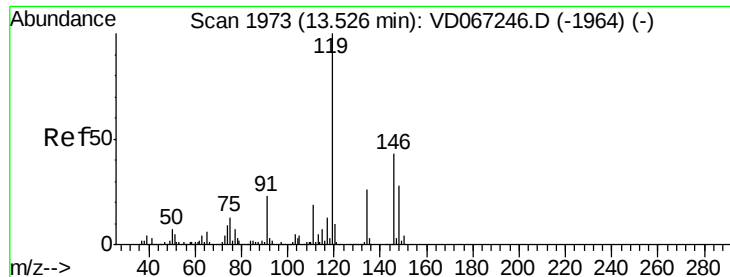
50000

0

13.50 13.52 13.60

Time-->





#87

1,3-Dichlorobenzene

Concen: 22.139 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD067448.D

Acq: 29 Oct 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

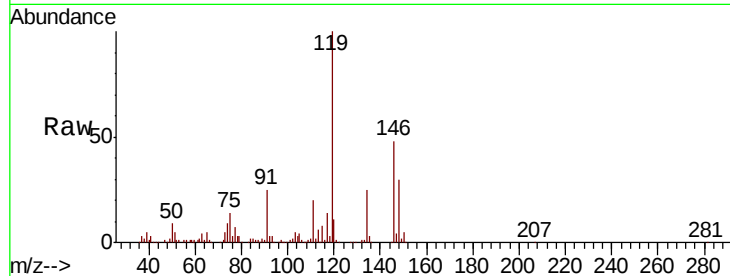
Tot Ion:146 Resp: 147839

Ion Ratio Lower Upper

146 100

111 40.1 21.1 63.3

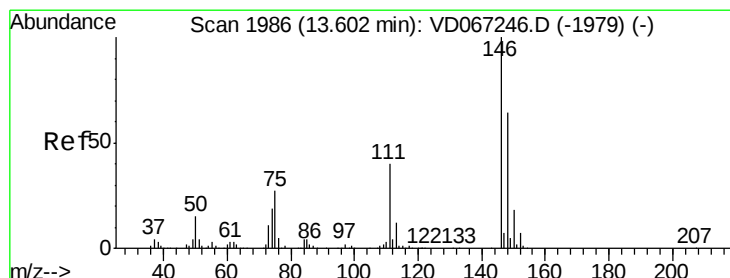
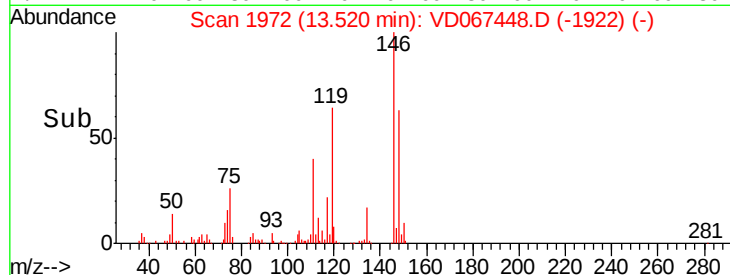
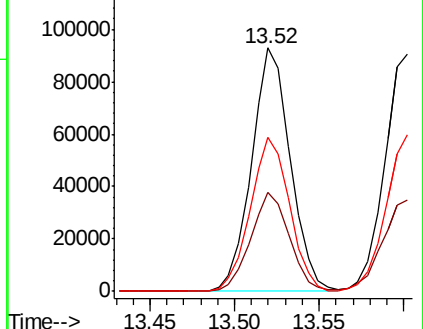
148 64.0 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 22.223 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VD067448.D

Acq: 29 Oct 2020 13:29

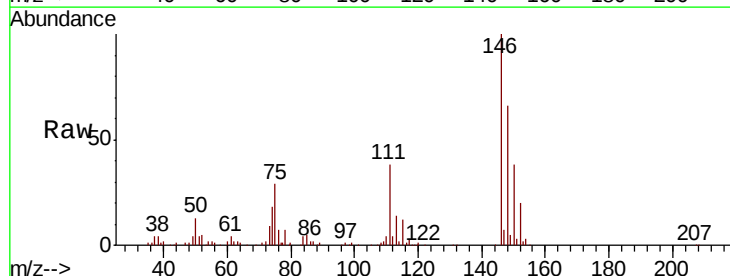
Tgt Ion:146 Resp: 147031

Ion Ratio Lower Upper

146 100

111 40.3 19.9 59.7

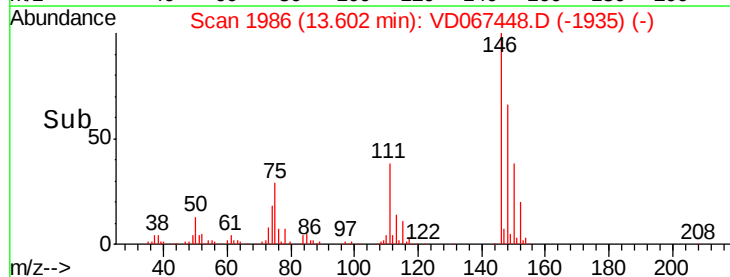
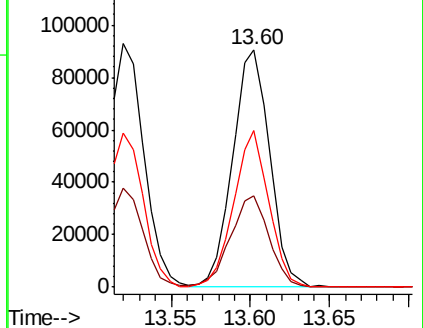
148 62.6 31.9 95.9

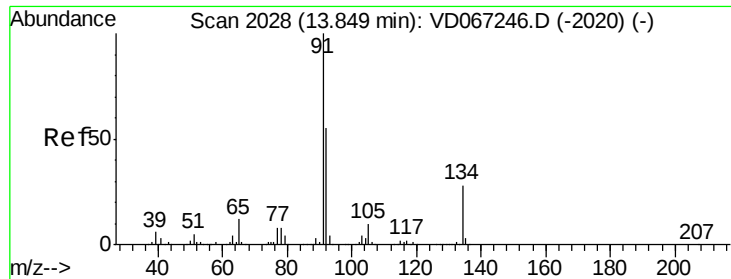


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

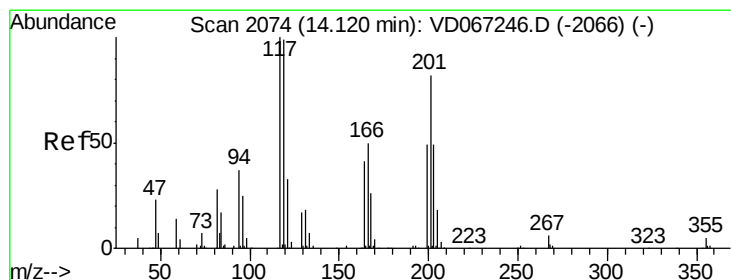
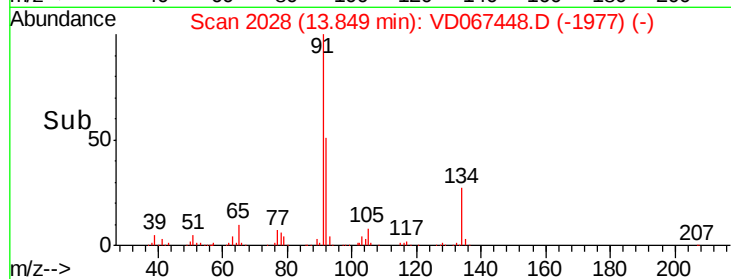
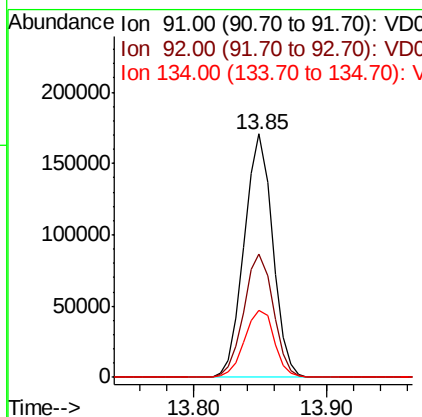
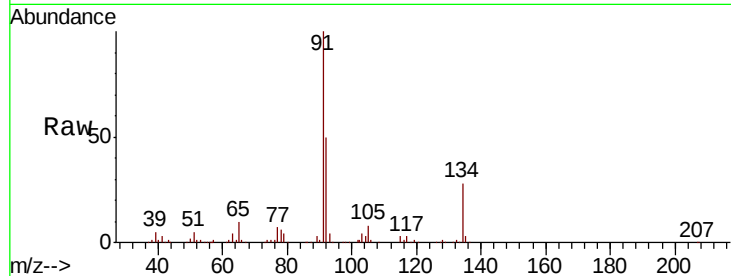




#89
n-Butylbenzene
Concen: 21.607 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067448.D
Acq: 29 Oct 2020 13:29

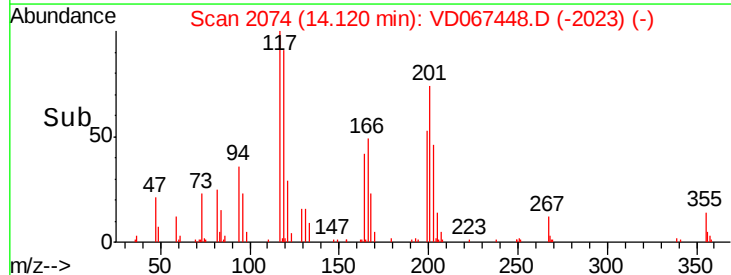
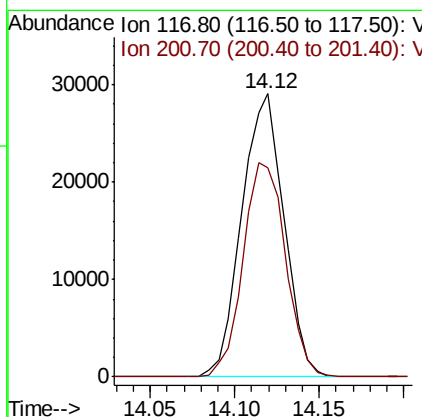
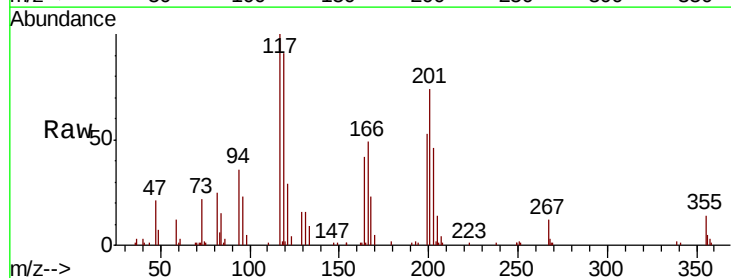
Instrument :
MSVOA_D
ClientSampleId :
VD1029SBSD01

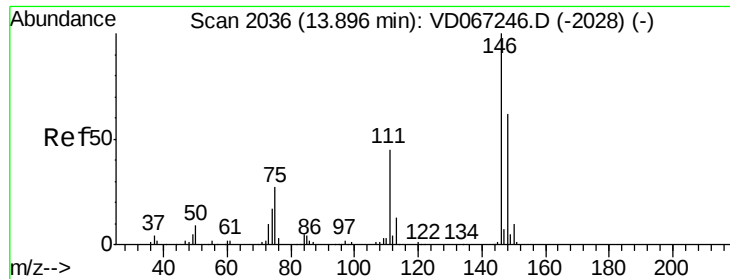
Tot Ion: 91 Resp: 251483
Ion Ratio Lower Upper
91 100
92 52.2 26.7 80.0
134 28.7 14.2 42.6



#90
Hexachloroethane
Concen: 21.880 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD067448.D
Acq: 29 Oct 2020 13:29

Tgt Ion: 117 Resp: 50514
Ion Ratio Lower Upper
117 100
201 76.1 40.8 122.2

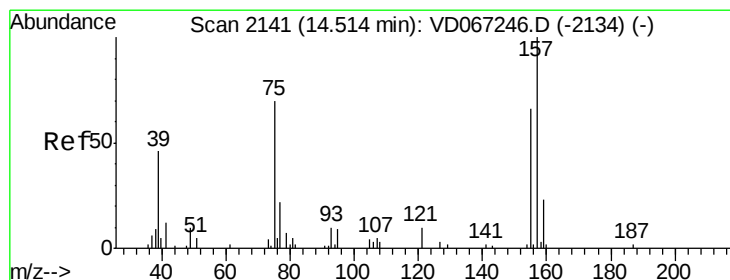
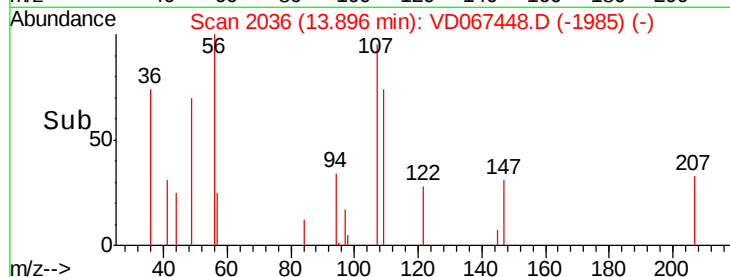
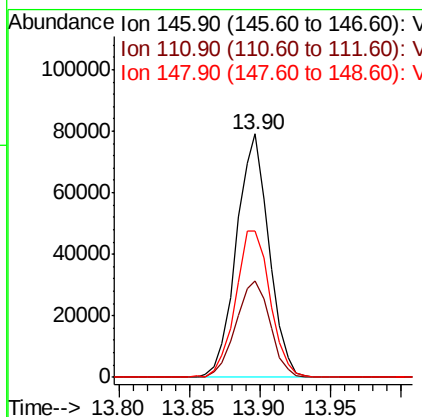
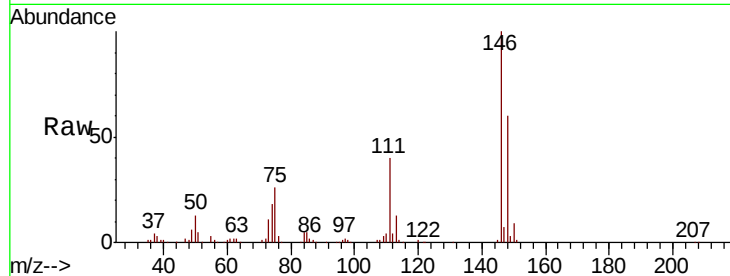




#91
 1,2-Dichlorobenzene
 Concen: 21.816 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067448.D
 Acq: 29 Oct 2020 13:29

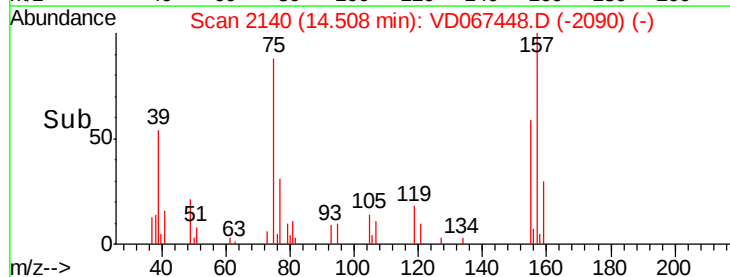
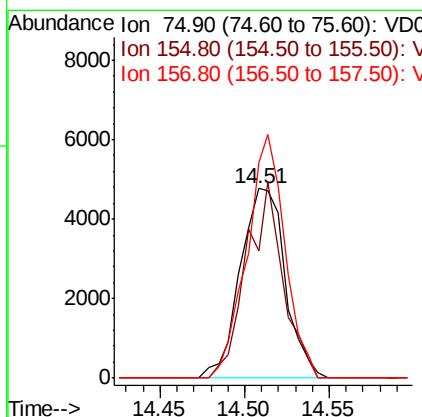
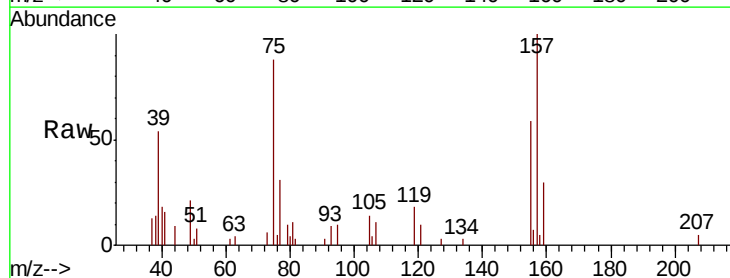
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBSD01

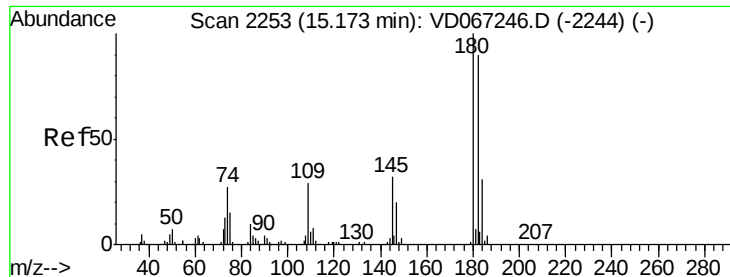
Tot Ion:146 Resp: 127268
 Ion Ratio Lower Upper
 146 100
 111 41.6 22.0 66.0
 148 64.2 32.5 97.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.699 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD067448.D
 Acq: 29 Oct 2020 13:29

Tgt Ion: 75 Resp: 8793
 Ion Ratio Lower Upper
 75 100
 155 84.0 44.8 134.4
 157 109.0 62.5 187.4

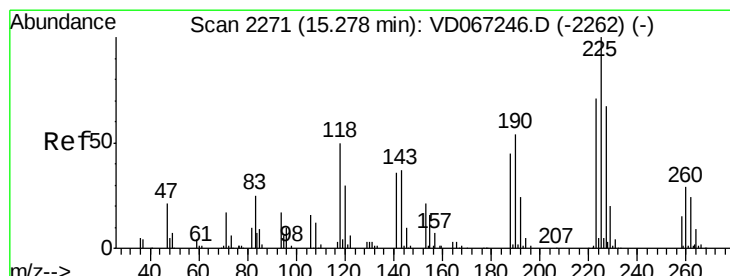
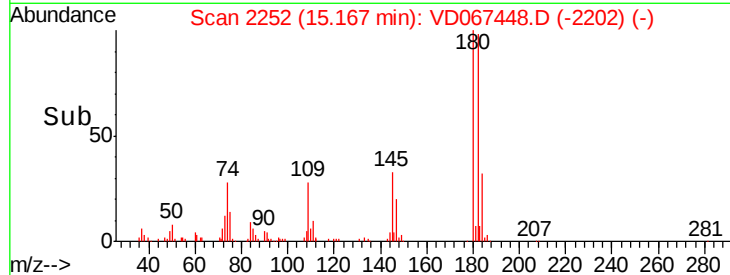
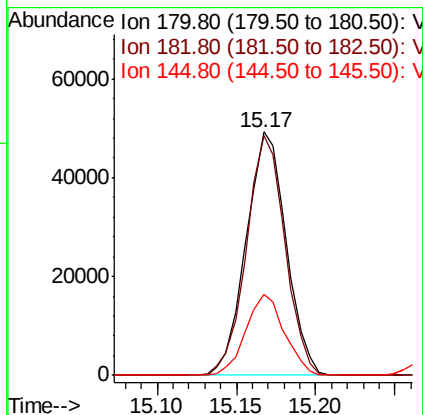
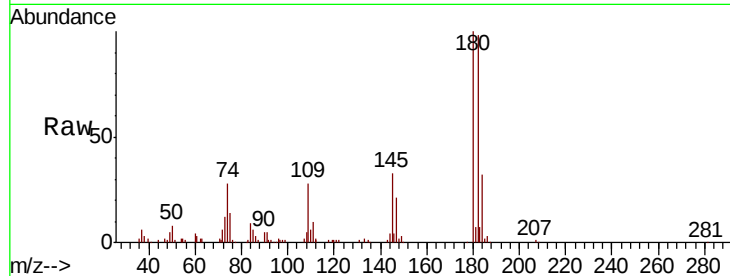




#93
 1,2,4-Trichlorobenzene
 Concen: 22.027 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD067448.D
 Acq: 29 Oct 2020 13:29

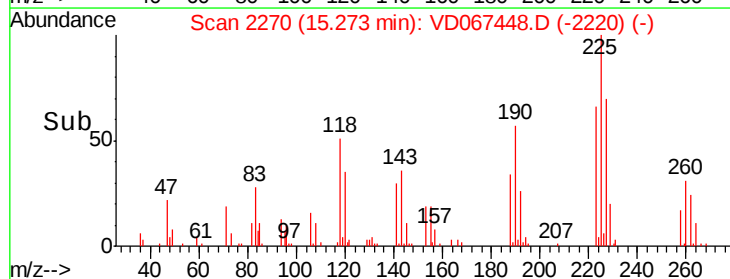
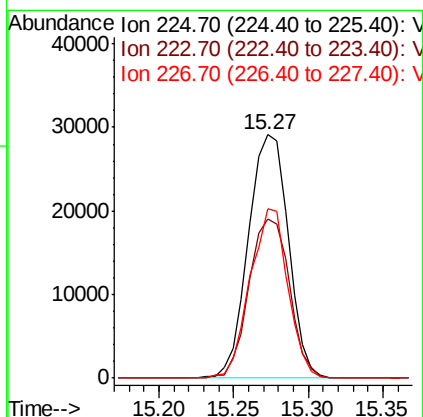
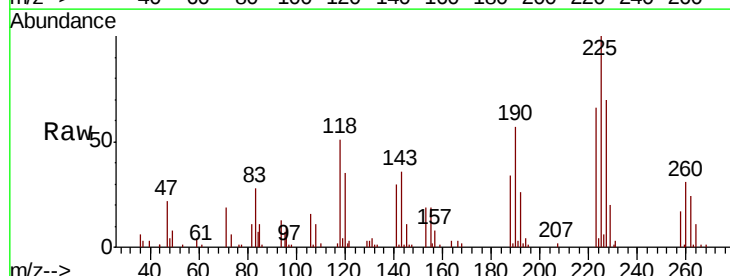
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBSD01

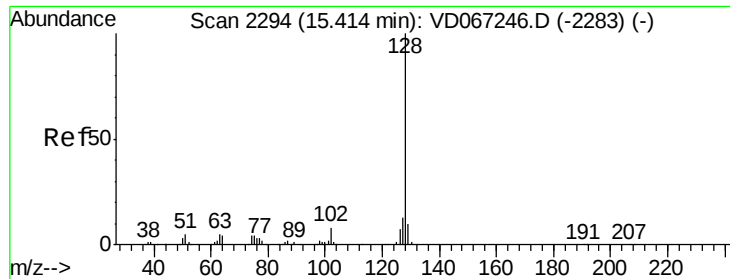
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	48.1	144.4
145	32.0	16.3	48.9



#94
 Hexachlorobutadiene
 Concen: 22.053 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.01 min
 Lab File: VD067448.D
 Acq: 29 Oct 2020 13:29

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.5	31.9	95.7
227	65.6	31.2	93.6





#95

Naphthalene

Concen: 21.110 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.01 min

Lab File: VD067448.D

Acq: 29 Oct 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBSD01

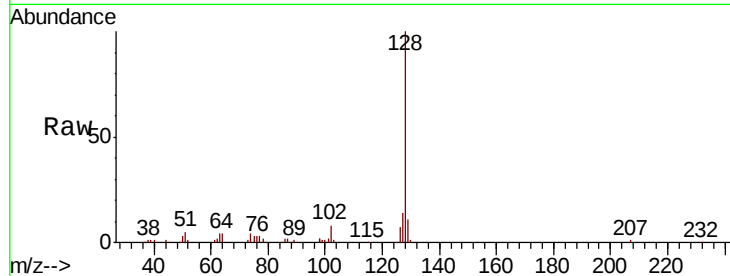
Tot Ion:128 Resp: 136321

Ion Ratio Lower Upper

128 100

127 13.4 10.4 15.6

129 11.4 8.6 12.8

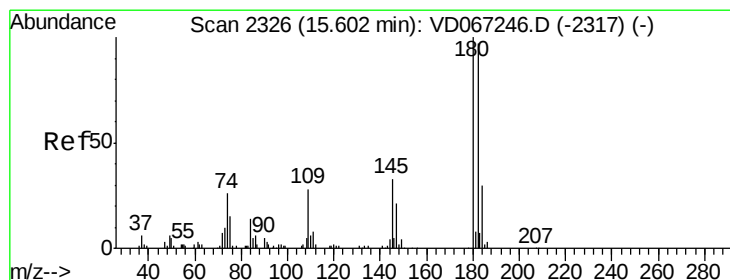
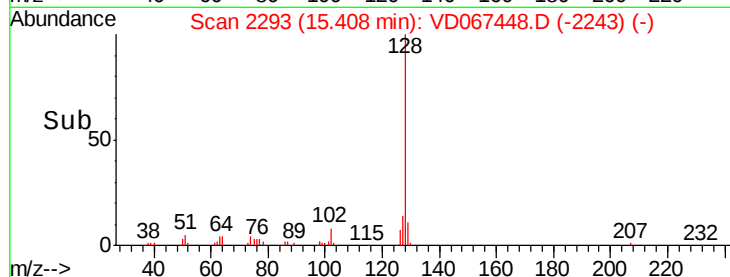
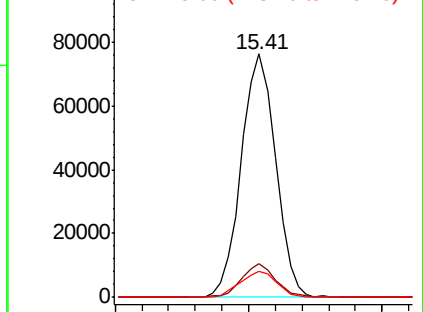


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 22.610 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VD067448.D

Acq: 29 Oct 2020 13:29

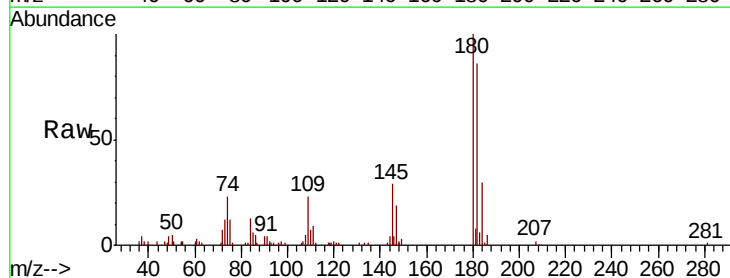
Tgt Ion:180 Resp: 76827

Ion Ratio Lower Upper

180 100

182 94.1 48.1 144.3

145 33.7 17.3 51.9



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

