

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112918\
 Data File : VD060460.D
 Acq On : 29 Nov 2018 11:40
 Operator : VA/AP
 Sample : VD1129SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1129SBS01

Quant Time: Nov 30 04:52:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 19 16:31:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.42	168	1377601	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.45	114	1928694	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.29	117	1550858	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	747667	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.80	65	496779	50.36	ug/l	0.00
Spiked Amount			Recovery	=	100.72%	
35) Dibromofluoromethane	6.34	113	744912	51.80	ug/l	0.00
Spiked Amount			Recovery	=	103.60%	
50) Toluene-d8	9.47	98	2088923	49.63	ug/l	0.00
Spiked Amount			Recovery	=	99.26%	
62) 4-Bromofluorobenzene	12.43	95	778521	51.04	ug/l	0.00
Spiked Amount			Recovery	=	102.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.61	85	271040	22.570	ug/l	99
3) Chloromethane	1.77	50	272581	20.889	ug/l	97
4) Vinyl Chloride	1.87	62	232120	21.781	ug/l	93
5) Bromomethane	2.17	94	42422	16.779	ug/l	92
6) Chloroethane	2.28	64	67726	19.153	ug/l	93
7) Trichlorofluoromethane	2.52	101	271133	21.580	ug/l	100
8) Diethyl Ether	2.85	74	48124	21.156	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	3.11	101	185820	22.486	ug/l	96
10) Methyl Iodide	3.27	142	204718	19.074	ug/l	99
11) Tert butyl alcohol	3.99	59	38284	94.518	ug/l	97
12) 1,1-Dichloroethene	3.09	96	149325	22.215	ug/l	97
13) Acrolein	3.00	56	35653	74.494	ug/l	99
14) Allyl chloride	3.56	41	292174	22.717	ug/l	95
15) Acrylonitrile	4.11	53	254554	107.770	ug/l	98
16) Acetone	3.17	43	201389	117.703	ug/l	99
17) Carbon Disulfide	3.34	76	432047	19.913	ug/l	99
18) Methyl Acetate	3.57	43	82859	22.712	ug/l	93
19) Methyl tert-butyl Ether	4.15	73	437475	21.735	ug/l	98
20) Methylene Chloride	3.74	84	340427	22.429	ug/l	99
21) trans-1,2-Dichloroethene	4.12	96	324274	21.727	ug/l	99
22) Diisopropyl ether	4.87	45	1064716	22.158	ug/l	98
23) Vinyl Acetate	4.82	43	2672763	111.787	ug/l	99
24) 1,1-Dichloroethane	4.78	63	542815	22.029	ug/l	100
25) 2-Butanone	5.63	43	374362	105.264	ug/l	100
26) 2,2-Dichloropropane	5.60	77	436545	22.788	ug/l	96
27) cis-1,2-Dichloroethene	5.61	96	342838	22.050	ug/l	96
28) Bromochloromethane	5.94	49	233220	21.451	ug/l	95
29) Tetrahydrofuran	5.97	42	196363	104.725	ug/l	99
30) Chloroform	6.11	83	551047	22.370	ug/l	100
31) Cyclohexane	6.38	56	496357	21.076	ug/l	98
32) 1,1,1-Trichloroethane	6.31	97	459736	22.156	ug/l	100
36) 1,1-Dichloropropene	6.54	75	403826	21.193	ug/l	99
37) Ethyl Acetate	5.71	43	184279	21.017	ug/l #	95
38) Carbon Tetrachloride	6.52	117	384730	21.766	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.05	83	455708	20.794	ug/l	98
40) Benzene	6.81	78	1047174	21.529	ug/l	100
41) Methacrylonitrile	5.97	41	215633	21.487	ug/l #	95
42) 1,2-Dichloroethane	6.91	62	270481	21.246	ug/l	97
43) Isopropyl Acetate	8.36	43	223769	20.317	ug/l #	99
44) Trichloroethene	7.76	130	321688	21.818	ug/l	100
45) 1,2-Dichloropropane	8.11	63	260056	21.200	ug/l	99
46) Dibromomethane	8.23	93	155120	21.591	ug/l	98
47) Bromodichloromethane	8.51	83	366232	21.632	ug/l	99
48) Methyl methacrylate	8.26	41	141175	21.102	ug/l	95
49) 1,4-Dioxane	8.24	88	24405	421.613	ug/l	97
51) 4-Methyl-2-Pentanone	9.35	43	761800	106.270	ug/l	99
52) Toluene	9.56	92	670283	21.573	ug/l	97
53) t-1,3-Dichloropropene	9.93	75	303698	21.231	ug/l	99
54) cis-1,3-Dichloropropene	9.12	75	385550	21.014	ug/l	97
55) 1,1,2-Trichloroethane	10.19	97	185072	20.552	ug/l	99
56) Ethyl methacrylate	10.04	69	180409	21.789	ug/l	97
57) 1,3-Dichloropropane	10.39	76	286117	20.851	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.93	63	567800	113.415	ug/l	96
59) 2-Hexanone	10.49	43	554628	108.553	ug/l	99
60) Dibromochloromethane	10.65	129	241172	22.032	ug/l	96
61) 1,2-Dibromoethane	10.77	107	197132	21.848	ug/l	99
64) Tetrachloroethene	10.26	164	303322	21.908	ug/l	97
65) Chlorobenzene	11.32	112	744995	22.171	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.43	131	248499	22.602	ug/l	97
67) Ethyl Benzene	11.44	91	1314107	22.861	ug/l	100
68) m/p-Xylenes	11.58	106	952880	44.938	ug/l	97
69) o-Xylene	11.94	106	448988	21.918	ug/l	97
70) Styrene	11.96	104	720912	21.776	ug/l	98
71) Bromoform	12.13	173	156785	21.222	ug/l	96
73) Isopropylbenzene	12.28	105	1280291	23.503	ug/l	99
74) N-amyl acetate	12.14	43	300937	21.548	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.57	83	196263	22.030	ug/l	97
76) 1,2,3-Trichloropropane	12.60	75	194127	21.705	ug/l	98
77) Bromobenzene	12.55	156	325732	22.512	ug/l	89
78) n-propylbenzene	12.65	91	1627434	23.935	ug/l	99
79) 2-Chlorotoluene	12.71	91	886650	23.810	ug/l	94
80) 1,3,5-Trimethylbenzene	12.80	105	993672	23.472	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.34	75	55353	21.739	ug/l	92
82) 4-Chlorotoluene	12.82	91	999861	23.902	ug/l	94
83) tert-Butylbenzene	13.05	119	1121577	23.863	ug/l	94
84) 1,2,4-Trimethylbenzene	13.10	105	1001103	23.679	ug/l	98
85) sec-Butylbenzene	13.23	105	1360375	23.592	ug/l	98
86) p-Isopropyltoluene	13.35	119	1100034	23.689	ug/l	97
87) 1,3-Dichlorobenzene	13.32	146	583022	22.648	ug/l	97
88) 1,4-Dichlorobenzene	13.40	146	561299	22.325	ug/l	97
89) n-Butylbenzene	13.65	91	1152465	22.903	ug/l	97
90) Hexachloroethane	13.86	117	268526	24.387	ug/l	84
91) 1,2-Dichlorobenzene	13.66	146	504805	23.874	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.23	75	24090	22.401	ug/l	81

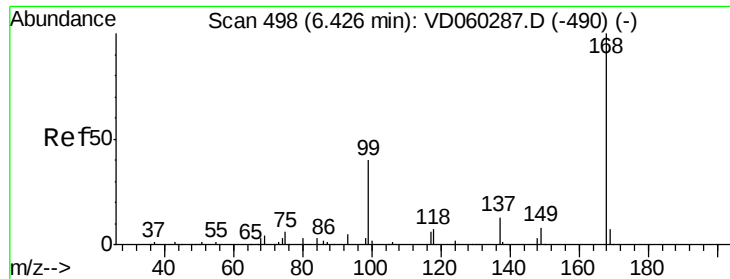
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112918\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	381990	22.785	ug/l	98
94) Hexachlorobutadiene	14.88	225	285184	22.742	ug/l	98
95) Naphthalene	14.97	128	443923	21.685	ug/l	99
96) 1,2,3-Trichlorobenzene	15.12	180	311912	23.218	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.42 min Scan# 497

Delta R.T. -0.01 min

Lab File: VD060460.D

Acq: 29 Nov 2018 11:40

Instrument :

MSVOA_D

ClientSampleId :

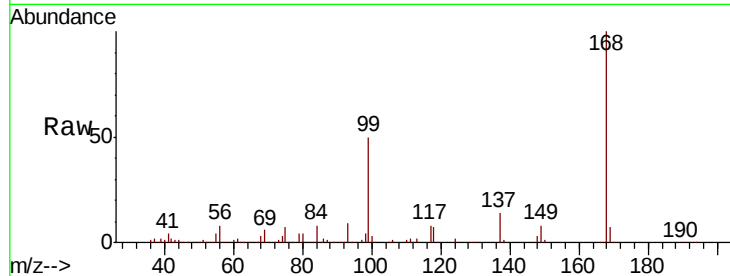
VD1129SBS01

Tot Ion:168 Resp: 1377601

Ion Ratio Lower Upper

168 100

99 49.9 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.42

500000

400000

300000

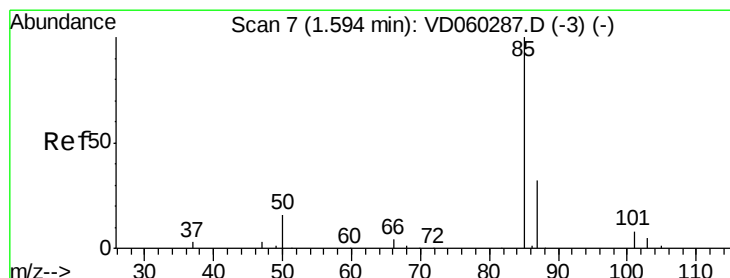
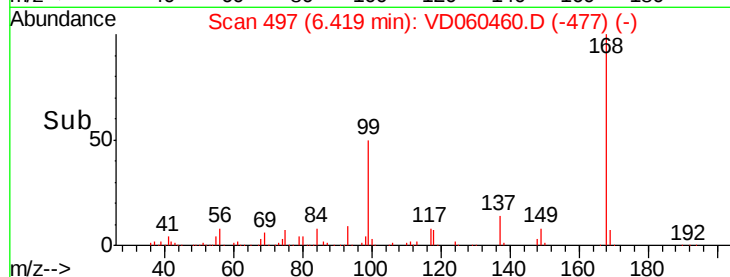
200000

100000

0

Time-->

6.30 6.40 6.50 6.60



#2

Dichlorodifluoromethane

Concen: 22.570 ug/l

RT: 1.61 min Scan# 8

Delta R.T. 0.01 min

Lab File: VD060460.D

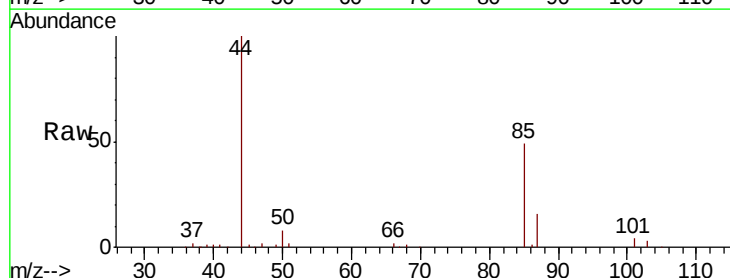
Acq: 29 Nov 2018 11:40

Tgt Ion: 85 Resp: 271040

Ion Ratio Lower Upper

85 100

87 33.1 16.8 50.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.61

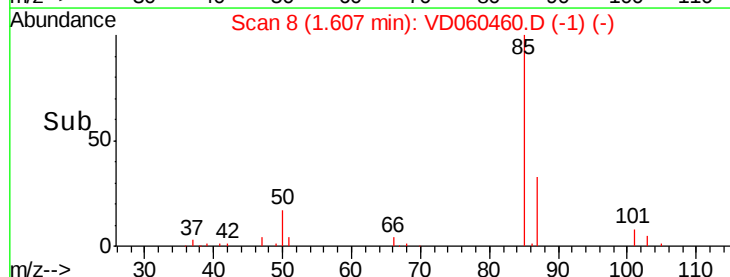
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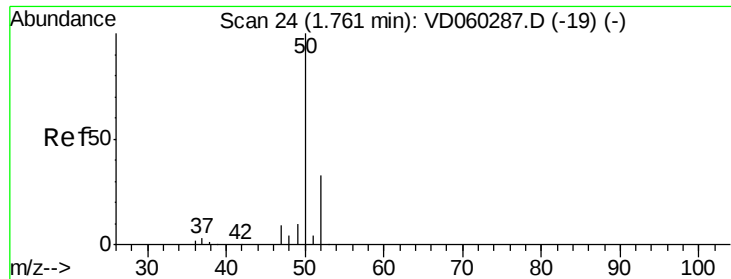
50000

0

Time-->

1.50 1.60 1.70 1.80





#3

Chloromethane

Concen: 20.889 ug/l

RT: 1.77 min Scan# 25

Delta R.T. 0.01 min

Lab File: VD060460.D

Acq: 29 Nov 2018 11:40

Instrument :

MSVOA_D

ClientSampleId :

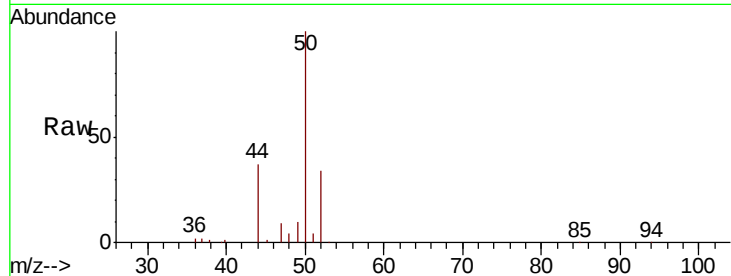
VD1129SBS01

Tot Ion: 50 Resp: 272581

Ion Ratio Lower Upper

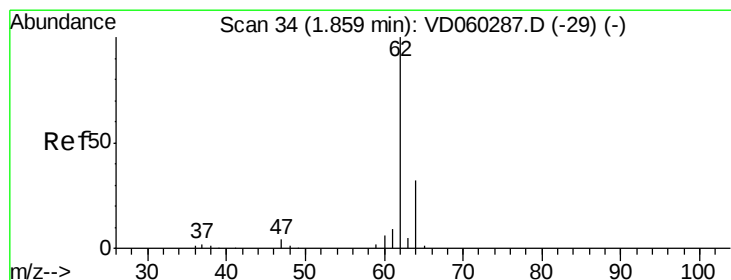
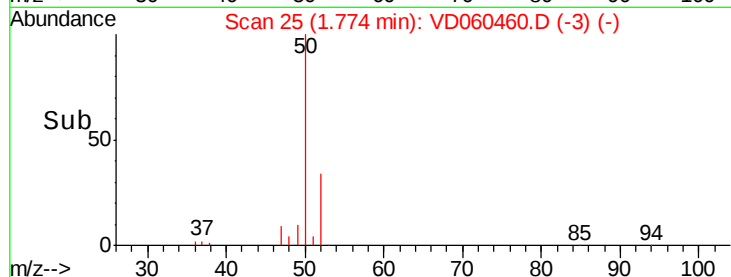
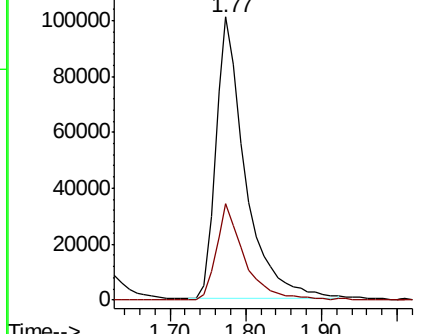
50 100

52 34.1 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.781 ug/l

RT: 1.87 min Scan# 35

Delta R.T. 0.01 min

Lab File: VD060460.D

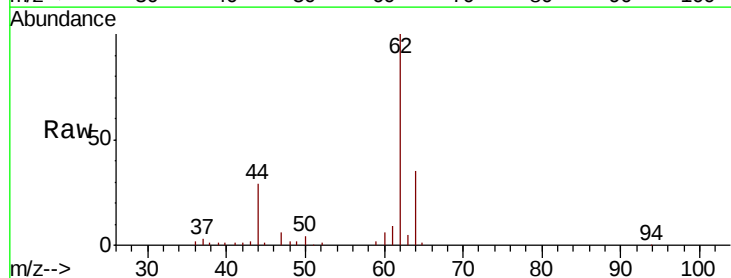
Acq: 29 Nov 2018 11:40

Tgt Ion: 62 Resp: 232120

Ion Ratio Lower Upper

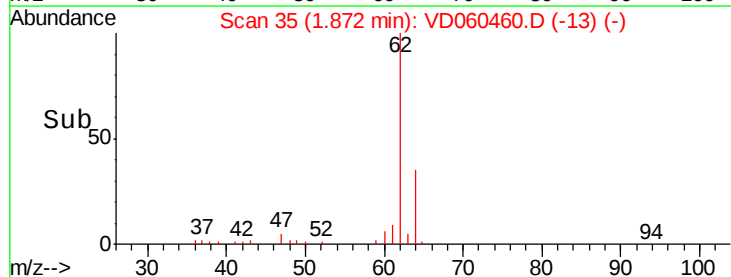
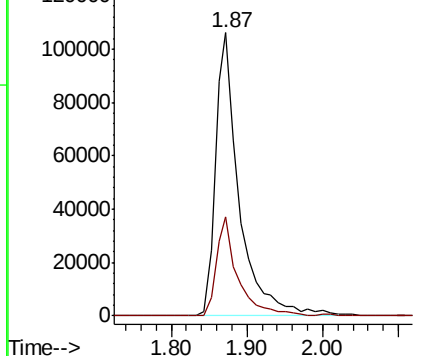
62 100

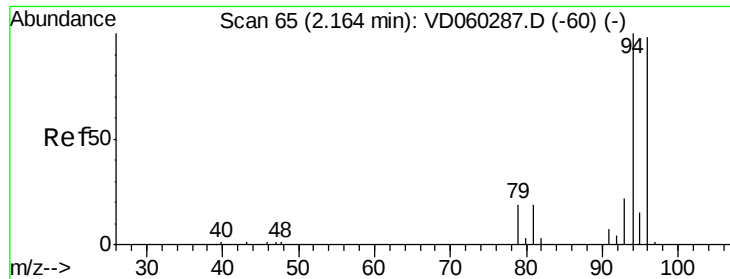
64 34.8 24.9 37.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

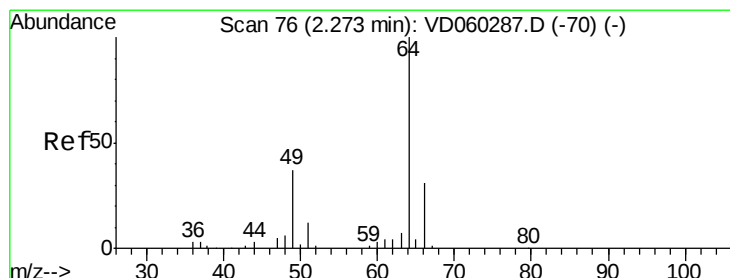
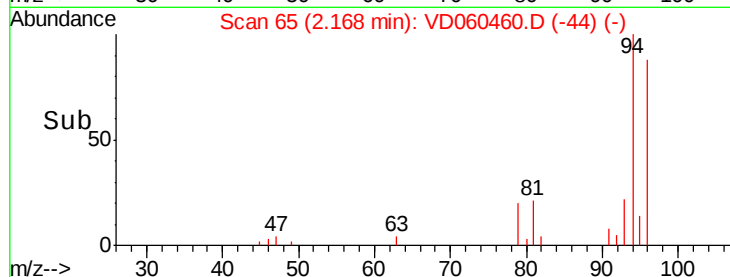
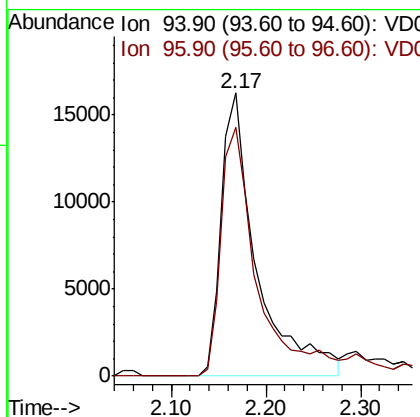
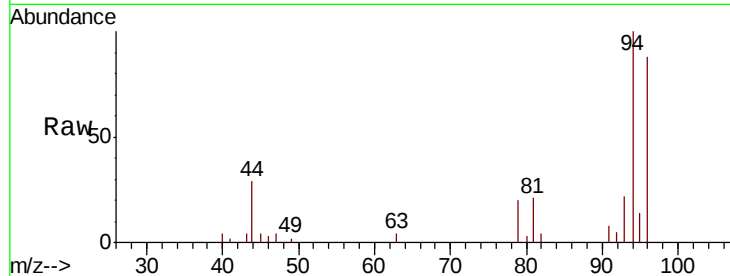




#5
Bromomethane
Concen: 16.779 ug/l
RT: 2.17 min Scan# 65
Delta R.T. 0.00 min
Lab File: VD060460.D
Acq: 29 Nov 2018 11:40

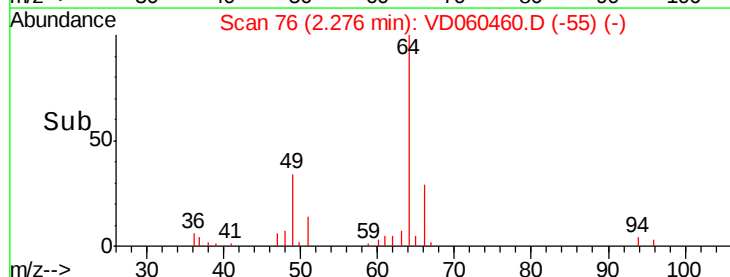
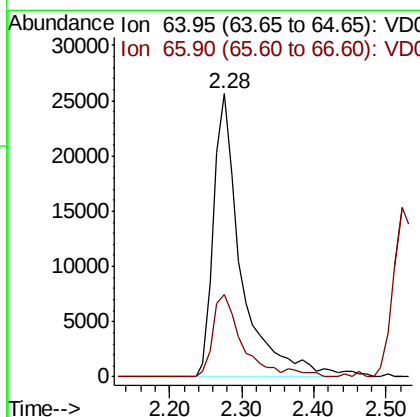
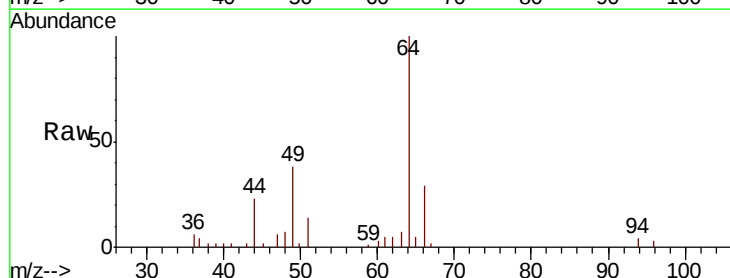
Instrument :
MSVOA_D
ClientSampleId :
VD1129SBS01

Tot Ion: 94 Resp: 42422
Ion Ratio Lower Upper
94 100
96 87.8 76.6 114.8



#6
Chloroethane
Concen: 19.153 ug/l
RT: 2.28 min Scan# 76
Delta R.T. 0.00 min
Lab File: VD060460.D
Acq: 29 Nov 2018 11:40

Tgt Ion: 64 Resp: 67726
Ion Ratio Lower Upper
64 100
66 29.2 26.6 40.0



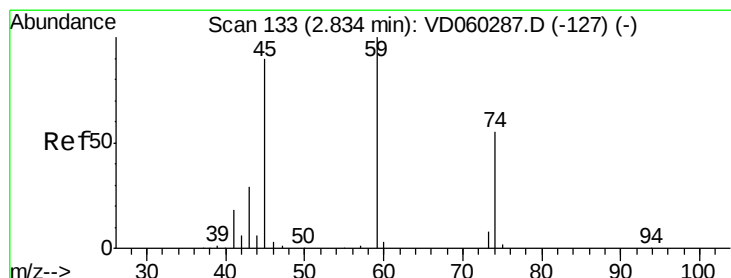
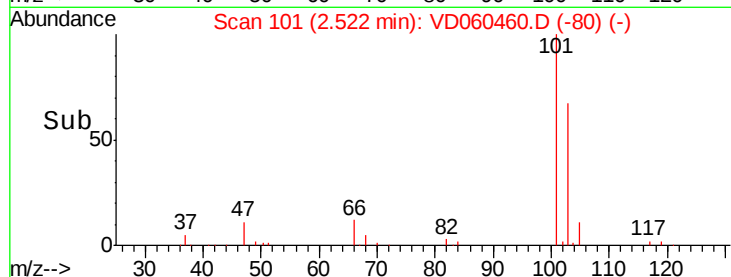
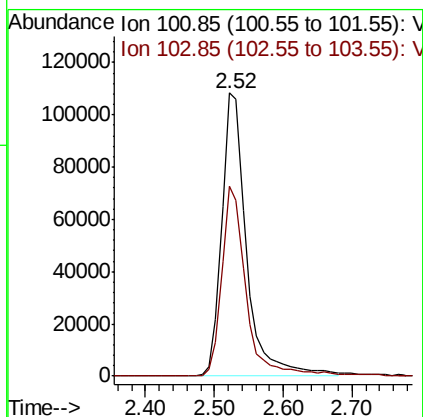
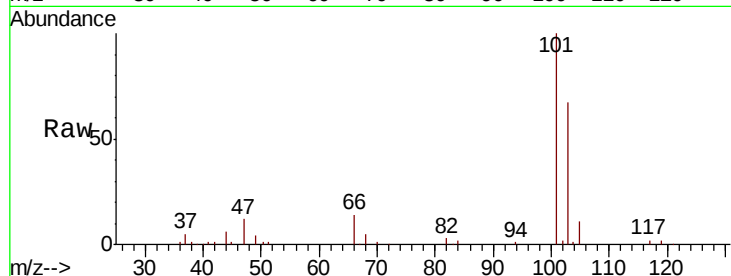


#7

Trichlorofluoromethane
 Concen: 21.580 ug/l
 RT: 2.52 min Scan# 101
 Delta R.T. 0.00 min
 Lab File: VD060460.D
 Acq: 29 Nov 2018 11:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1129SBS01

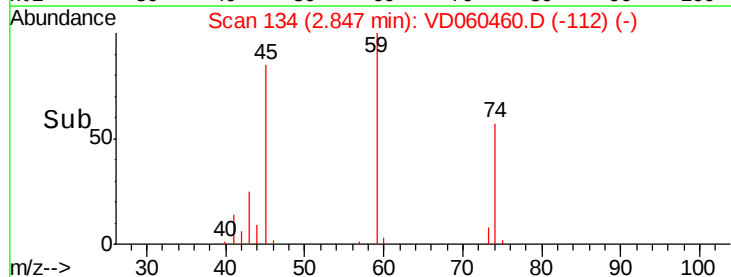
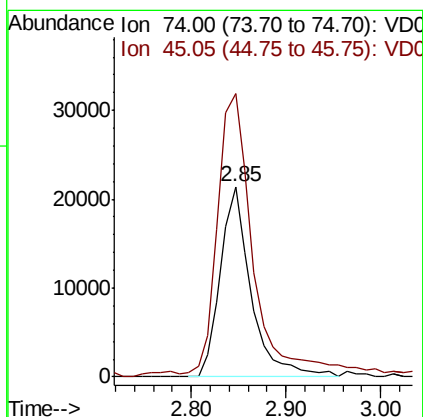
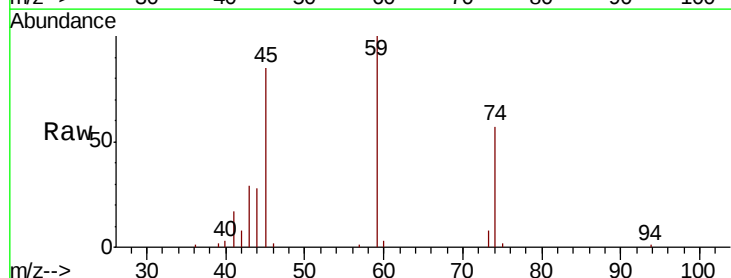
Tot Ion:101 Resp: 271133
 Ion Ratio Lower Upper
 101 100
 103 67.1 53.6 80.4



#8

Diethyl Ether
 Concen: 21.156 ug/l
 RT: 2.85 min Scan# 134
 Delta R.T. 0.01 min
 Lab File: VD060460.D
 Acq: 29 Nov 2018 11:40

Tgt Ion: 74 Resp: 48124
 Ion Ratio Lower Upper
 74 100
 45 148.8 84.8 254.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.486 ug/l

RT: 3.11 min Scan# 161

Delta R.T. 0.01 min

Lab File: VD060460.D

Acq: 29 Nov 2018 11:40

Instrument :

MSVOA_D

ClientSampleId :

VD1129SBS01

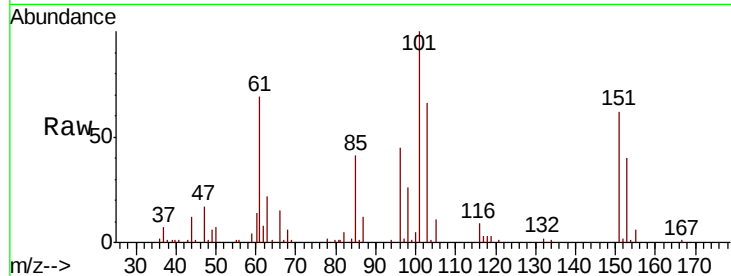
Tot Ion:101 Resp: 185820

Ion Ratio Lower Upper

101 100

85 41.5 31.4 47.0

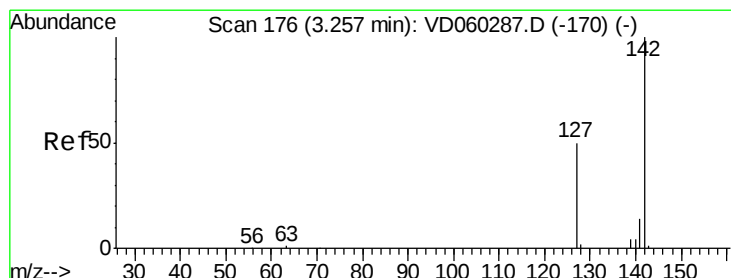
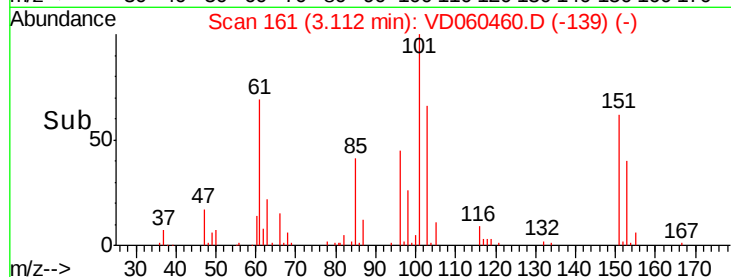
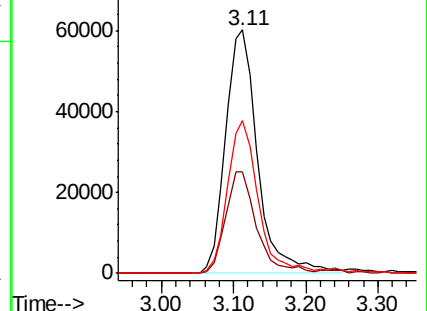
151 62.5 47.4 71.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 19.074 ug/l

RT: 3.27 min Scan# 177

Delta R.T. 0.01 min

Lab File: VD060460.D

Acq: 29 Nov 2018 11:40

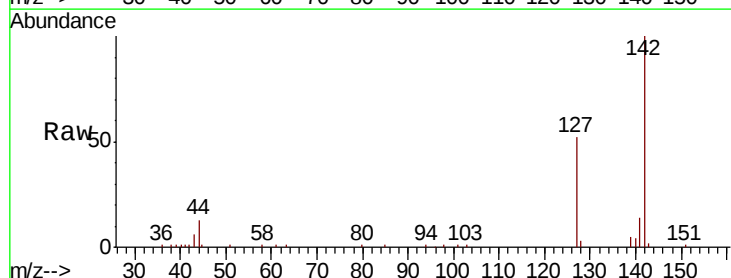
Tgt Ion:142 Resp: 204718

Ion Ratio Lower Upper

142 100

127 51.7 41.0 61.6

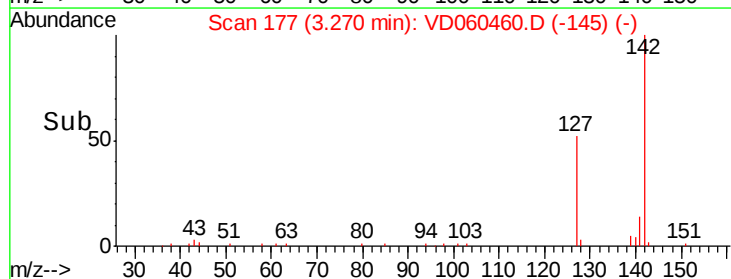
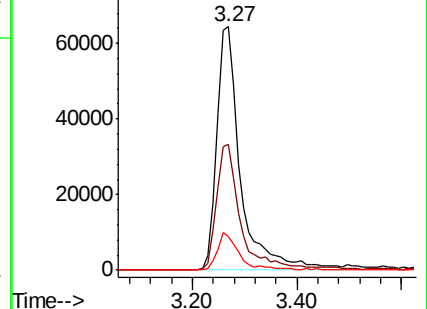
141 13.7 11.9 17.9

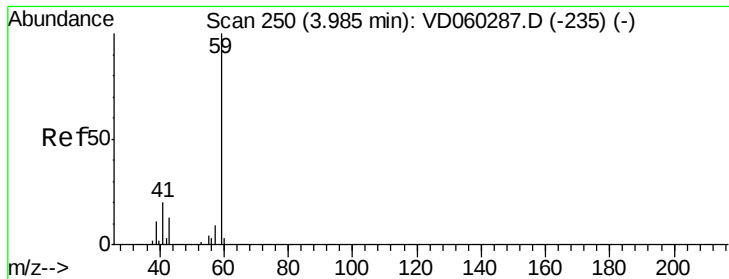


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



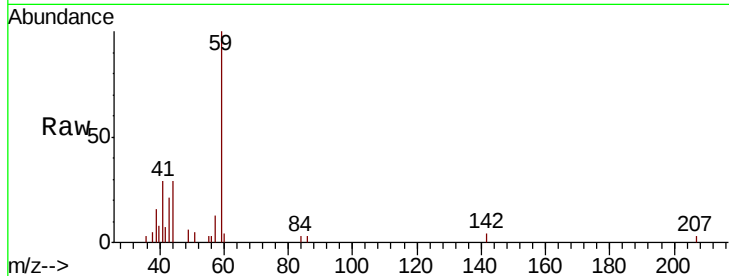


#11

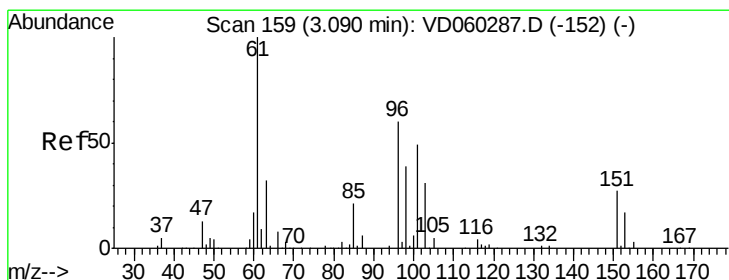
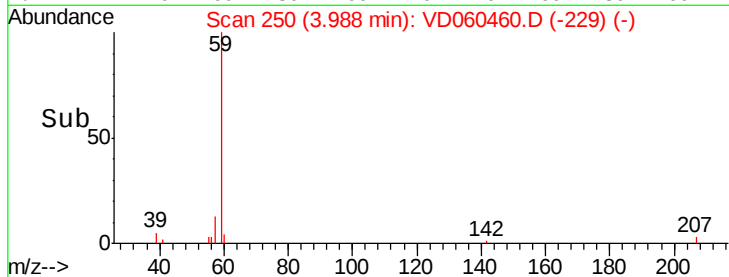
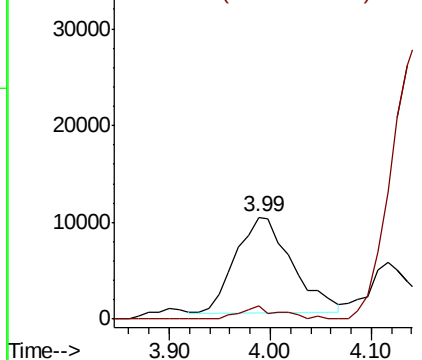
Tert butyl alcohol
Concen: 94.518 ug/l
RT: 3.99 min Scan# 250
Delta R.T. 0.00 min
Lab File: VD060460.D
Acq: 29 Nov 2018 11:40

Instrument :
MSVOA_D
ClientSampleId :
VD1129SBS01

Tot Ion: 59 Resp: 38284
Ion Ratio Lower Upper
59 100
57 12.8 9.3 13.9



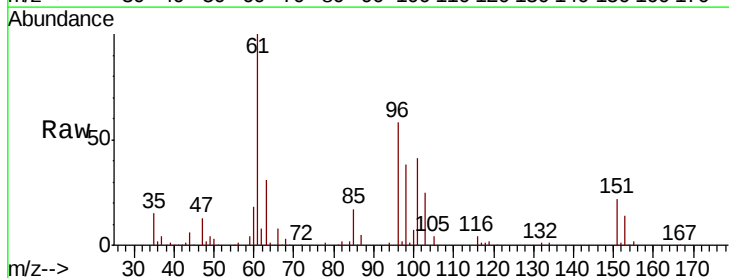
Abundance Ion 58.95 (58.65 to 59.65): VDC
Ion 56.95 (56.65 to 57.65): VDC



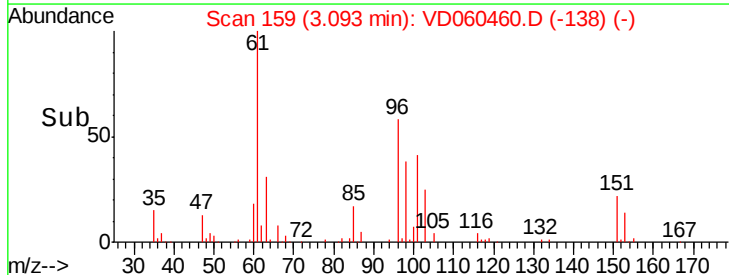
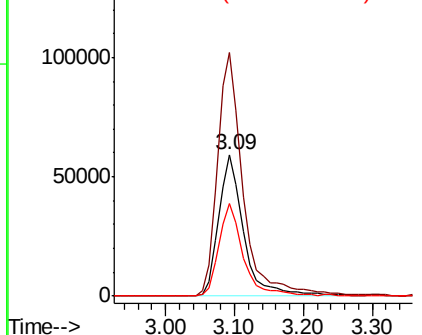
#12

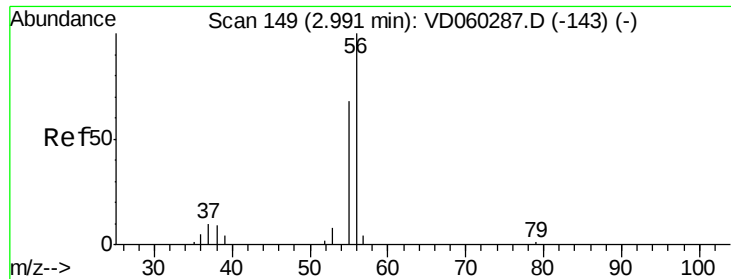
1,1-Dichloroethene
Concen: 22.215 ug/l
RT: 3.09 min Scan# 159
Delta R.T. 0.00 min
Lab File: VD060460.D
Acq: 29 Nov 2018 11:40

Tgt Ion: 96 Resp: 149325
Ion Ratio Lower Upper
96 100
61 171.9 142.2 213.4
98 65.3 52.6 79.0



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#13

Acrolein

Concen: 74.494 ug/l

RT: 3.00 min Scan# 150

Delta R.T. 0.01 min

Lab File: VD060460.D

Acq: 29 Nov 2018 11:40

Instrument :

MSVOA_D

ClientSampleId :

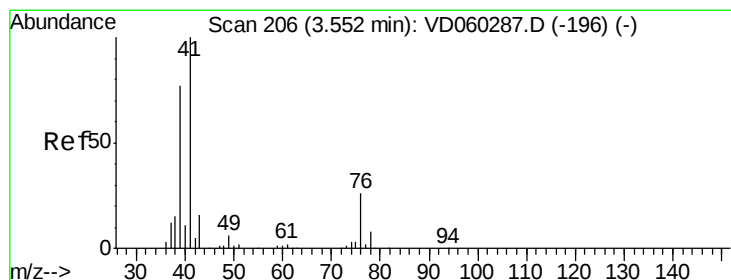
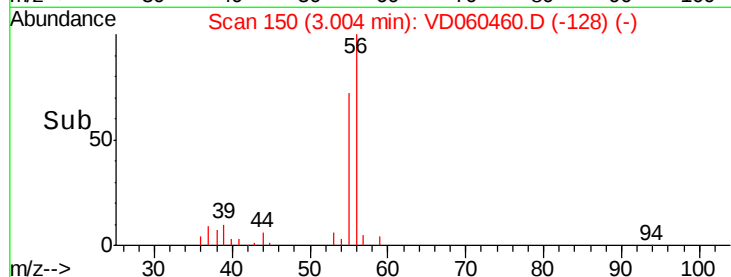
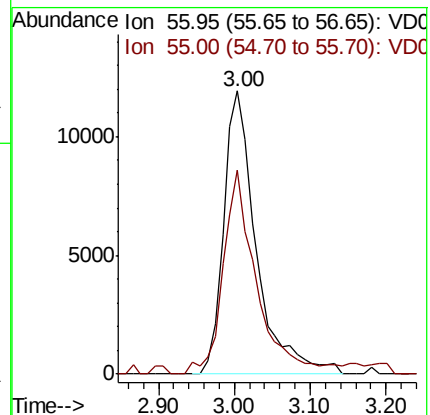
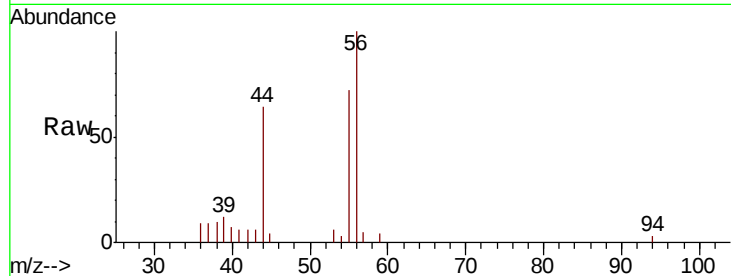
VD1129SBS01

Tot Ion: 56 Resp: 35653

Ion Ratio Lower Upper

56 100

55 71.9 57.0 85.6



#14

Allyl chloride

Concen: 22.717 ug/l

RT: 3.56 min Scan# 206

Delta R.T. 0.00 min

Lab File: VD060460.D

Acq: 29 Nov 2018 11:40

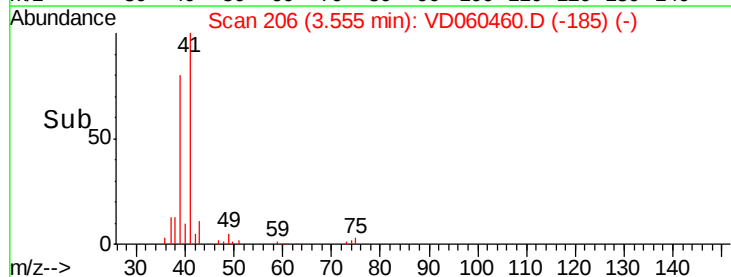
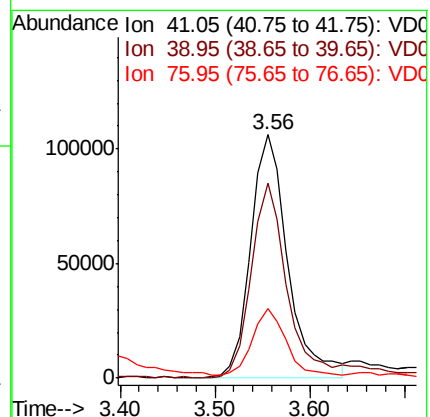
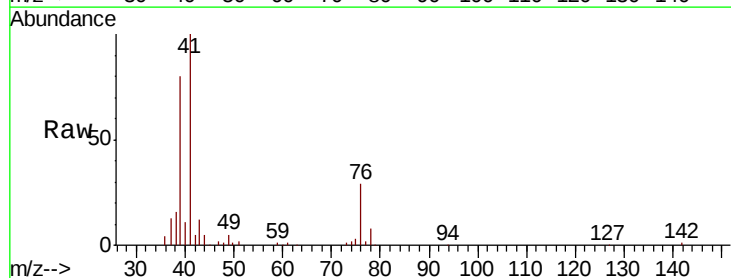
Tgt Ion: 41 Resp: 292174

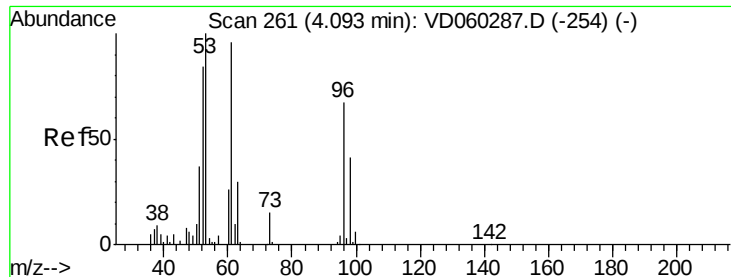
Ion Ratio Lower Upper

41 100

39 80.3 60.4 90.6

76 28.7 21.8 32.8





#15

Acrylonitrile

Concen: 107.770 ug/l

RT: 4.11 min Scan# 262

Delta R.T. 0.01 min

Lab File: VD060460.D

Acq: 29 Nov 2018 11:40

Instrument :

MSVOA_D

ClientSampleID :

VD1129SBS01

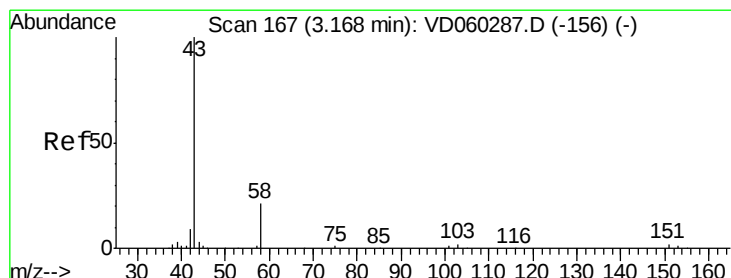
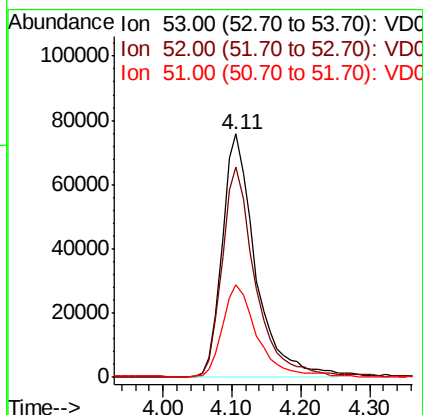
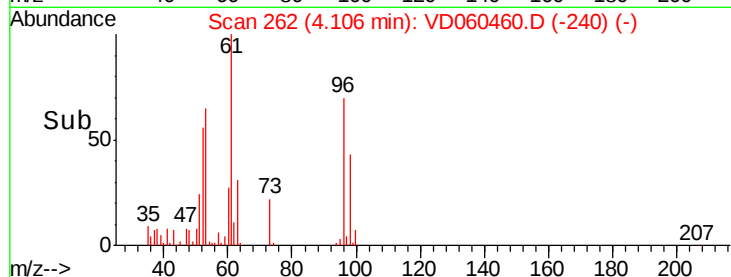
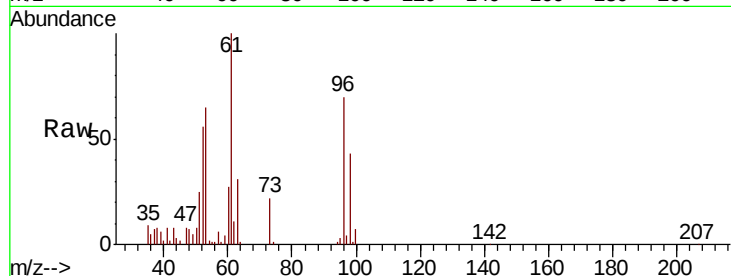
Tot Ion: 53 Resp: 254554

Ion Ratio Lower Upper

53 100

52 86.2 67.0 100.4

51 37.9 29.9 44.9



#16

Acetone

Concen: 117.703 ug/l

RT: 3.17 min Scan# 167

Delta R.T. 0.00 min

Lab File: VD060460.D

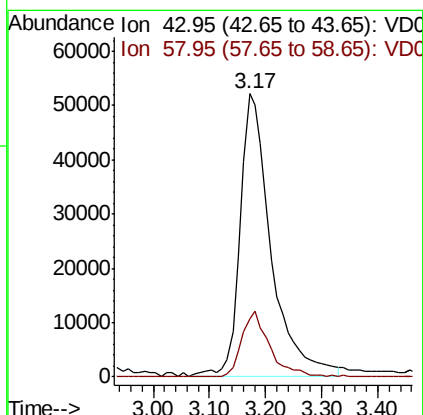
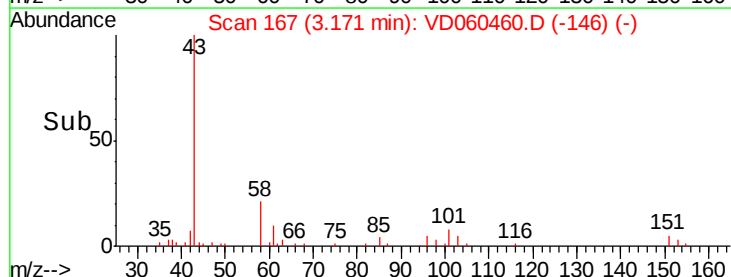
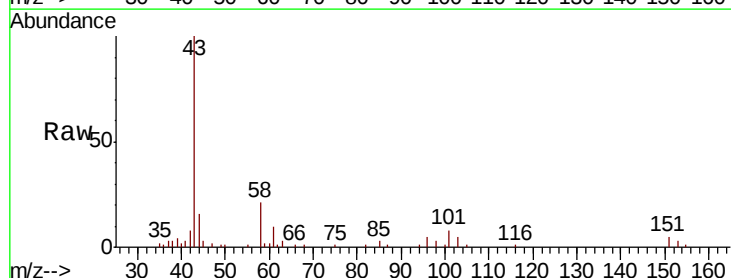
Acq: 29 Nov 2018 11:40

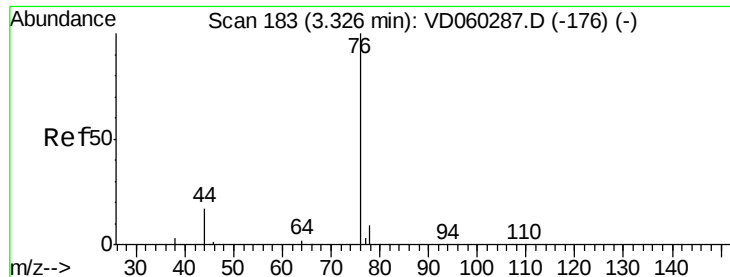
Tgt Ion: 43 Resp: 201389

Ion Ratio Lower Upper

43 100

58 20.6 16.9 25.3

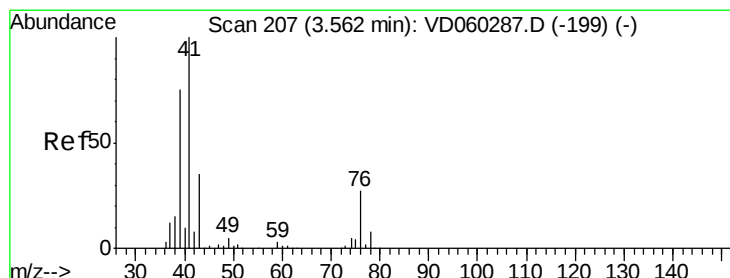
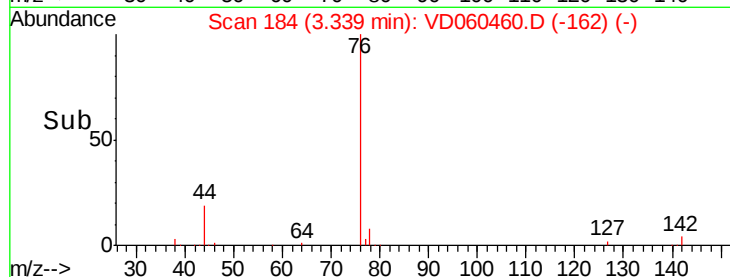
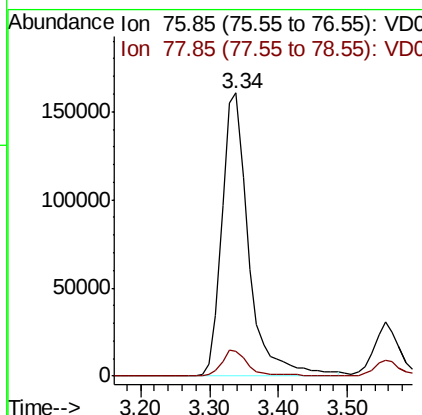
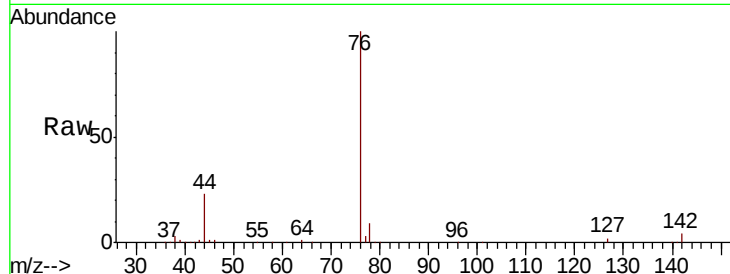




#17
Carbon Disulfide
Concen: 19.913 ug/l
RT: 3.34 min Scan# 184
Delta R.T. 0.01 min
Lab File: VD060460.D
Acq: 29 Nov 2018 11:40

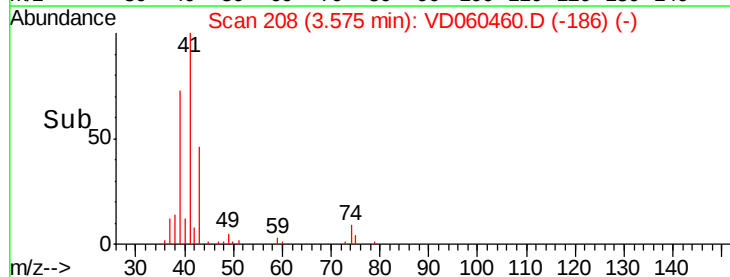
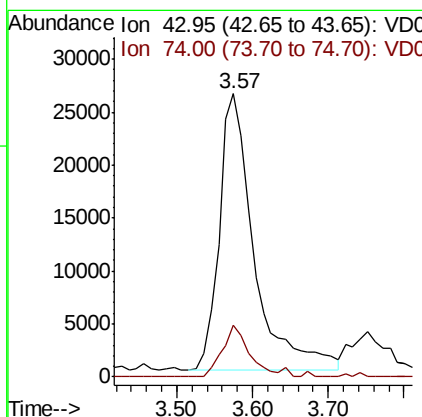
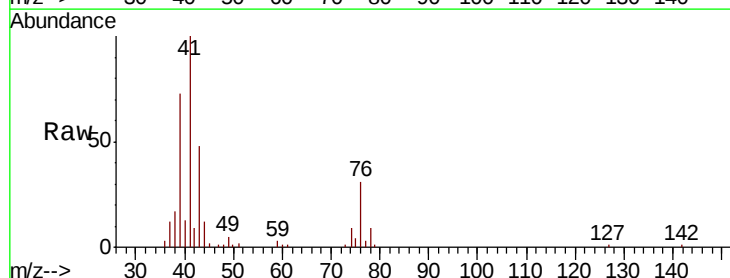
Instrument :
MSVOA_D
ClientSampleId :
VD1129SBS01

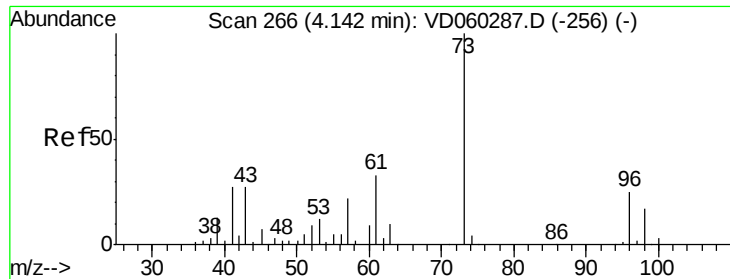
Tot Ion: 76 Resp: 432047
Ion Ratio Lower Upper
76 100
78 8.9 7.0 10.4



#18
Methyl Acetate
Concen: 22.712 ug/l
RT: 3.57 min Scan# 208
Delta R.T. 0.01 min
Lab File: VD060460.D
Acq: 29 Nov 2018 11:40

Tgt Ion: 43 Resp: 82859
Ion Ratio Lower Upper
43 100
74 18.3 12.4 18.6

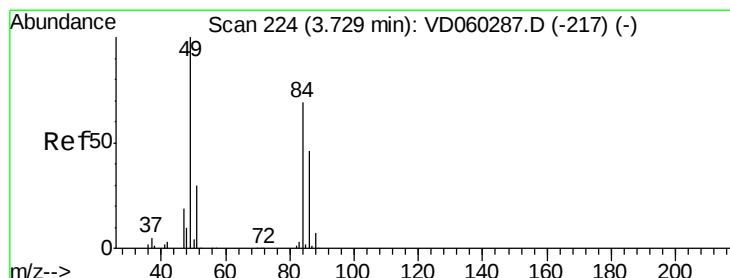
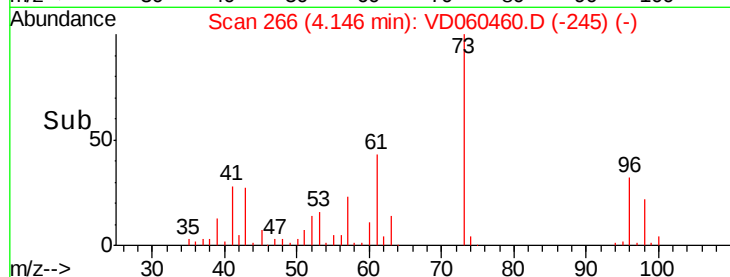
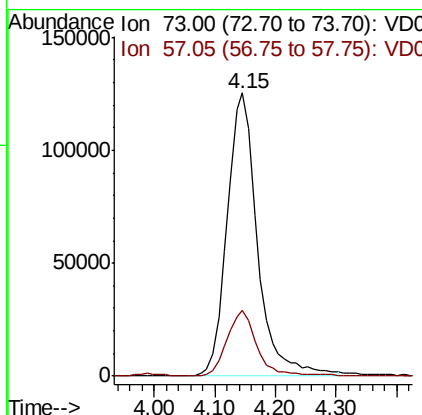
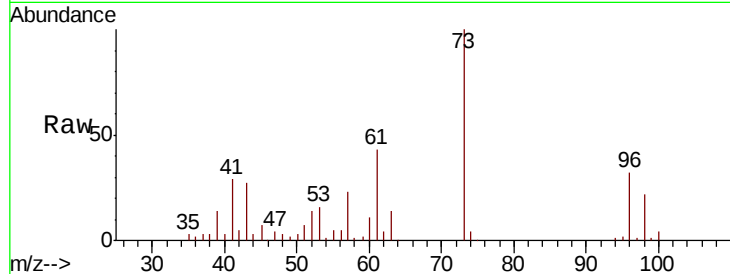




#19
Methyl tert-butyl Ether
Concen: 21.735 ug/l
RT: 4.15 min Scan# 266
Delta R.T. 0.00 min
Lab File: VD060460.D
Acq: 29 Nov 2018 11:40

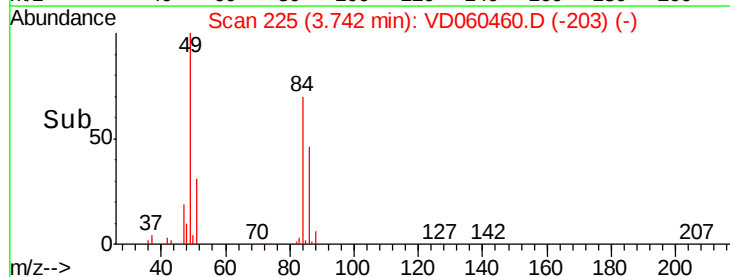
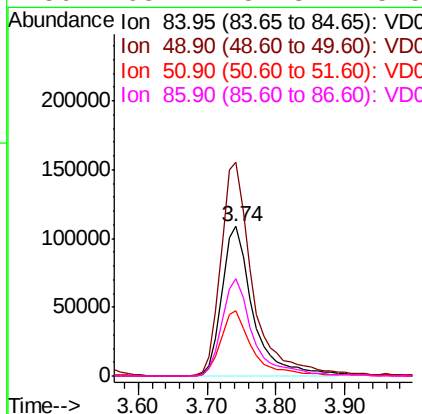
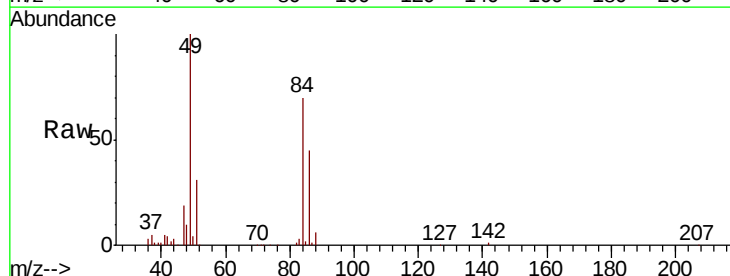
Instrument :
MSVOA_D
ClientSampleID :
VD1129SBS01

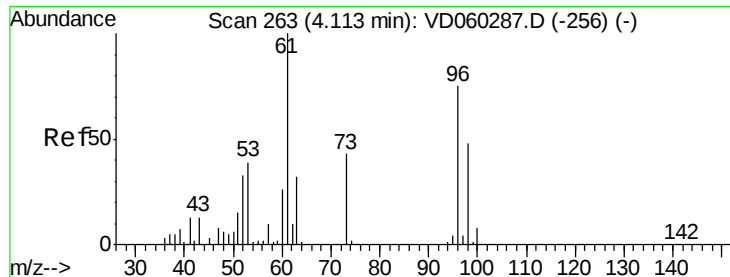
Tot Ion: 73 Resp: 437475
Ion Ratio Lower Upper
73 100
57 23.3 18.1 27.1



#20
Methylene Chloride
Concen: 22.429 ug/l
RT: 3.74 min Scan# 225
Delta R.T. 0.01 min
Lab File: VD060460.D
Acq: 29 Nov 2018 11:40

Tgt Ion: 84 Resp: 340427
Ion Ratio Lower Upper
84 100
49 143.2 115.6 173.4
51 43.7 35.6 53.4
86 65.1 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 21.727 ug/l

RT: 4.12 min Scan# 263

Delta R.T. 0.00 min

Lab File: VD060460.D

Acq: 29 Nov 2018 11:40

Instrument :

MSVOA_D

ClientSampleId :

VD1129SBS01

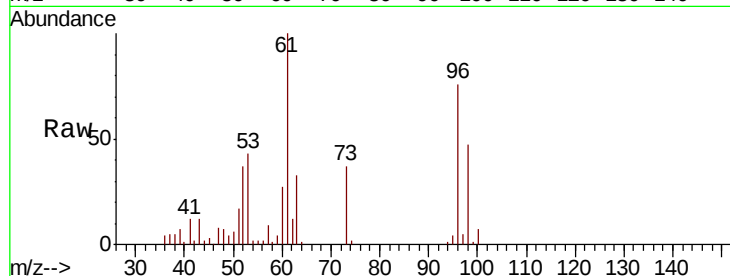
Tot Ion: 96 Resp: 324274

Ion Ratio Lower Upper

96 100

61 132.4 105.8 158.6

98 61.8 50.8 76.2



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC

200000

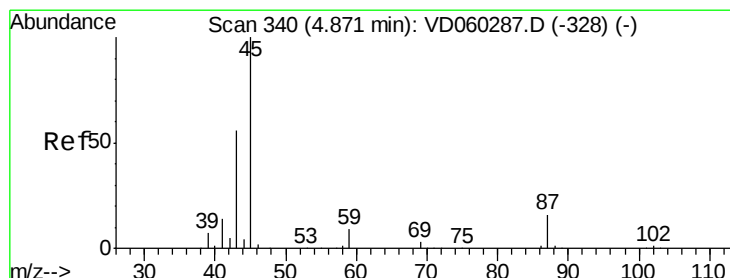
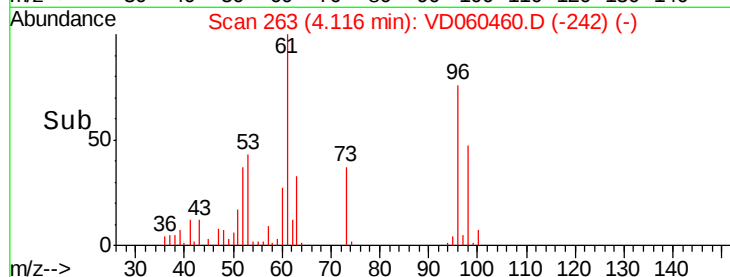
150000

100000

50000

0

Time-->



#22

Diisopropyl ether

Concen: 22.158 ug/l

RT: 4.87 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD060460.D

Acq: 29 Nov 2018 11:40

Tgt Ion: 45 Resp: 1064716

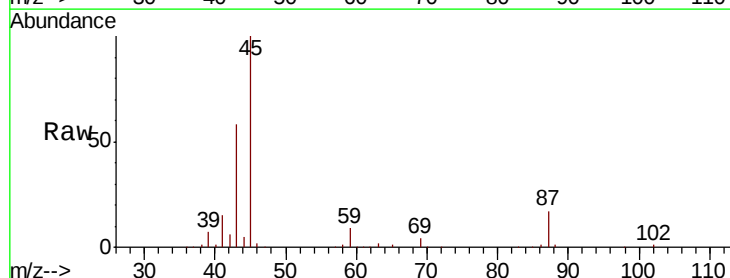
Ion Ratio Lower Upper

45 100

43 58.2 44.9 67.3

87 17.2 13.9 20.9

59 8.6 7.0 10.6



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC

1200000

1000000

800000

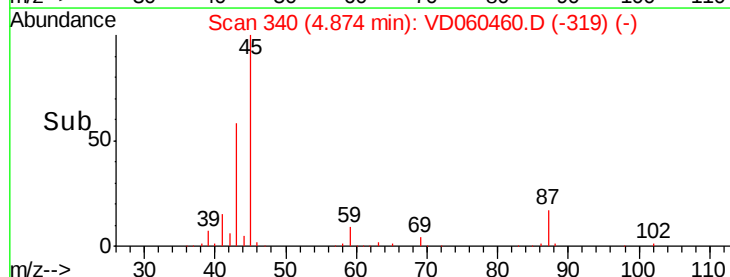
600000

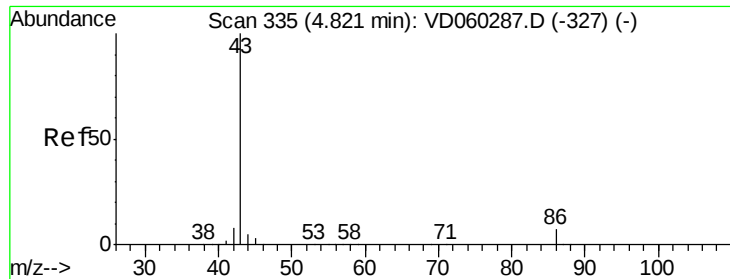
400000

200000

0

Time-->





#23

Vinyl Acetate

Concen: 111.787 ug/l

RT: 4.82 min Scan# 335

Delta R.T. 0.00 min

Lab File: VD060460.D

Acq: 29 Nov 2018 11:40

Instrument :

MSVOA_D

ClientSampleId :

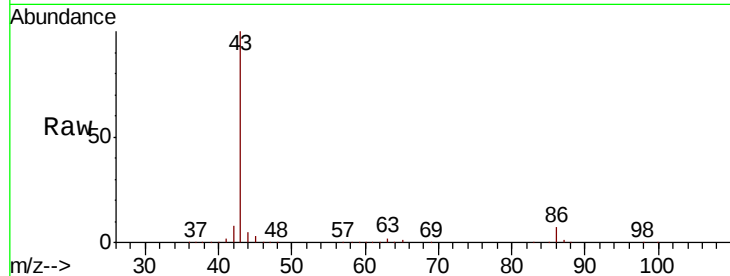
VD1129SBS01

Tot Ion: 43 Resp: 2672763

Ion Ratio Lower Upper

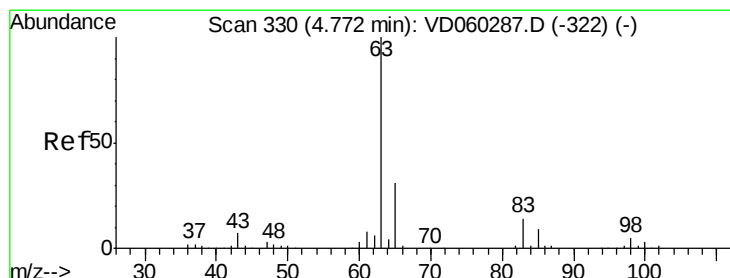
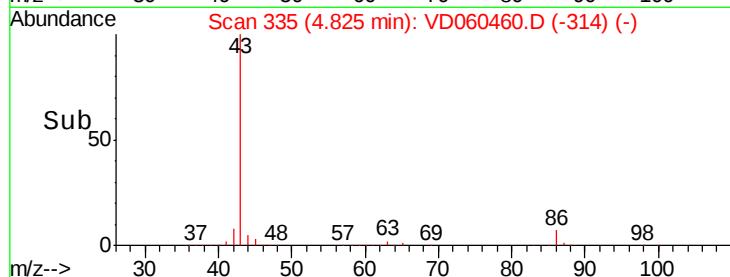
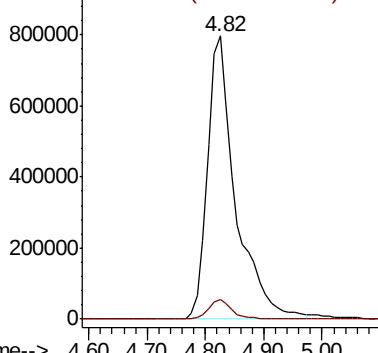
43 100

86 6.8 5.7 8.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 22.029 ug/l

RT: 4.78 min Scan# 330

Delta R.T. 0.00 min

Lab File: VD060460.D

Acq: 29 Nov 2018 11:40

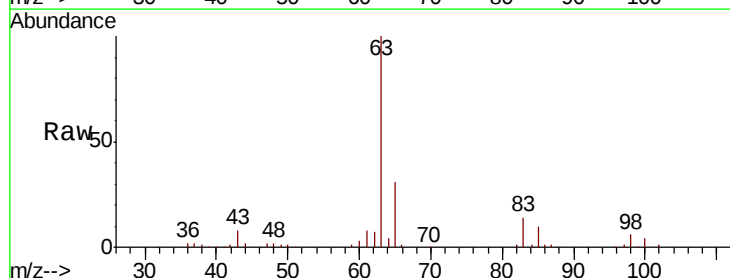
Tgt Ion: 63 Resp: 542815

Ion Ratio Lower Upper

63 100

98 5.6 2.8 8.4

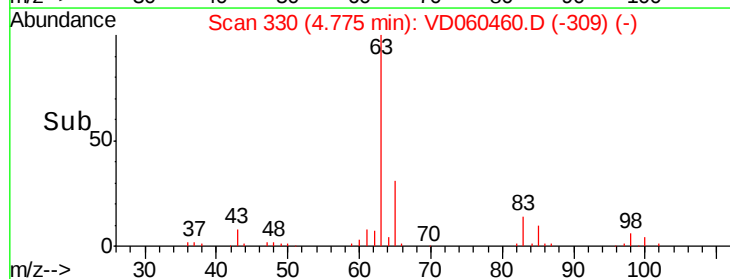
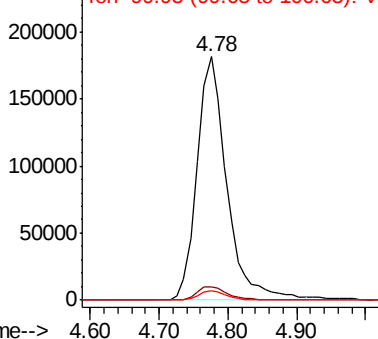
100 3.6 1.8 5.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 105.264 ug/l

RT: 5.63 min Scan# 417

Delta R.T. -0.01 min

Lab File: VD060460.D

Acq: 29 Nov 2018 11:40

Instrument :

MSVOA_D

ClientSampleId :

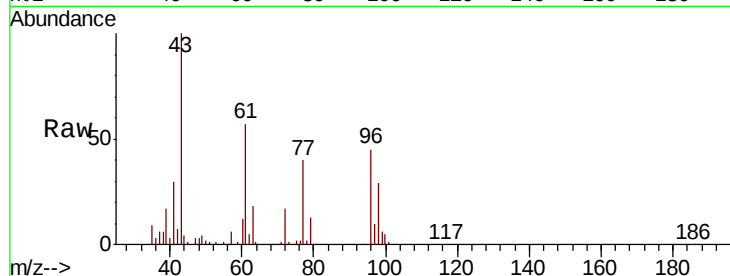
VD1129SBS01

Tot Ion: 43 Resp: 374362

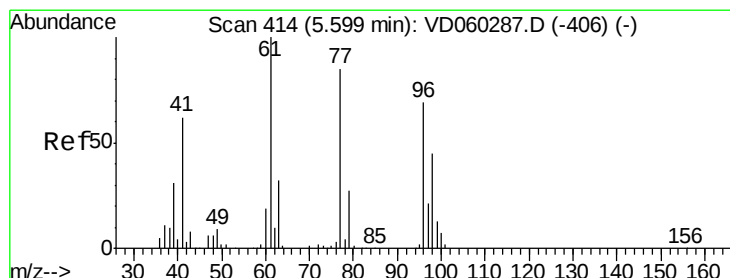
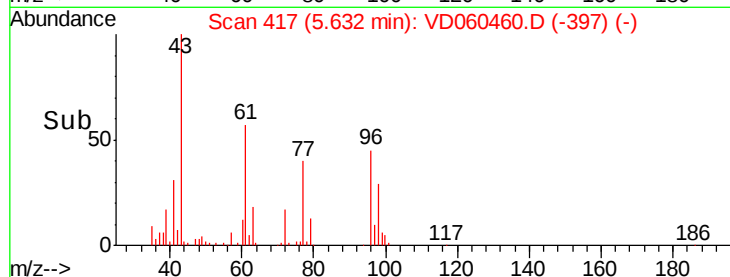
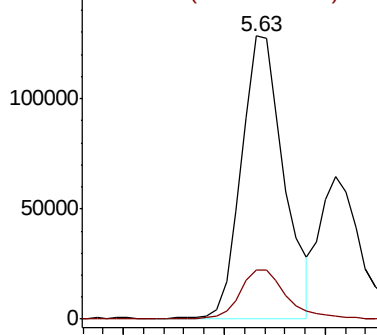
Ion Ratio Lower Upper

43 100

72 17.3 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 22.788 ug/l

RT: 5.60 min Scan# 414

Delta R.T. 0.00 min

Lab File: VD060460.D

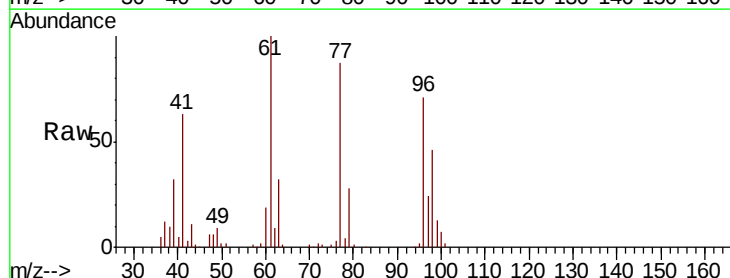
Acq: 29 Nov 2018 11:40

Tgt Ion: 77 Resp: 436545

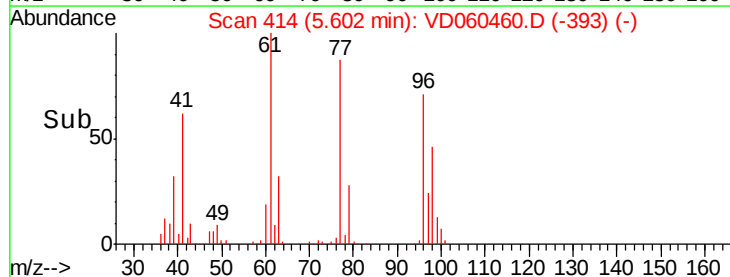
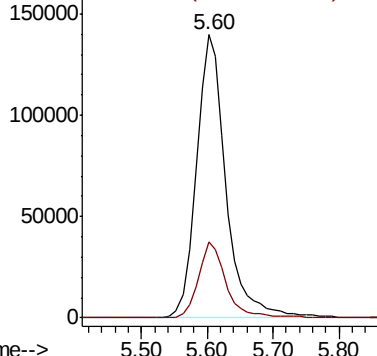
Ion Ratio Lower Upper

77 100

97 27.1 12.6 37.8



Abundance Ion 76.95 (76.65 to 77.65): VDC
Ion 96.85 (96.55 to 97.55): VDC



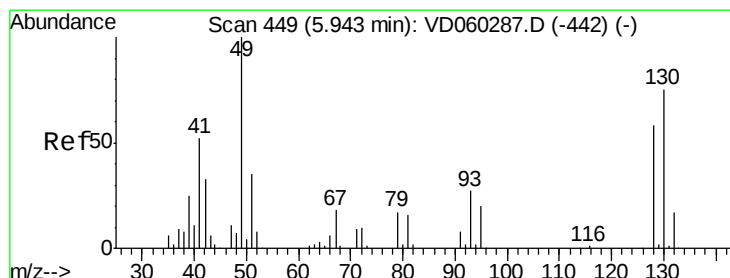
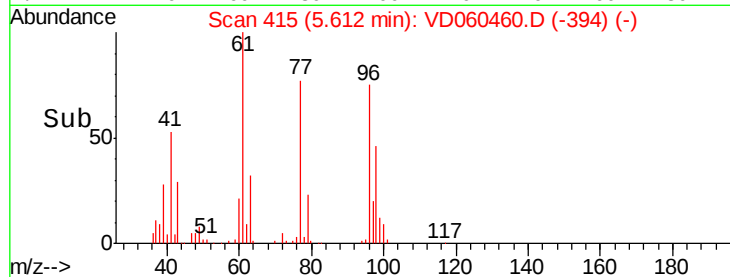
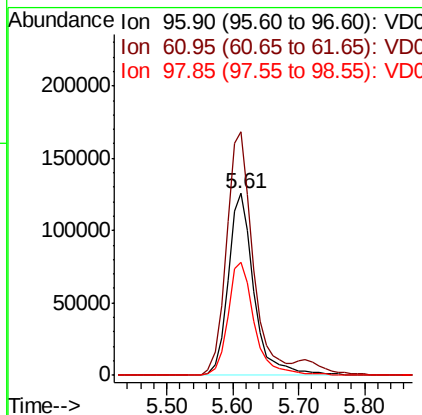
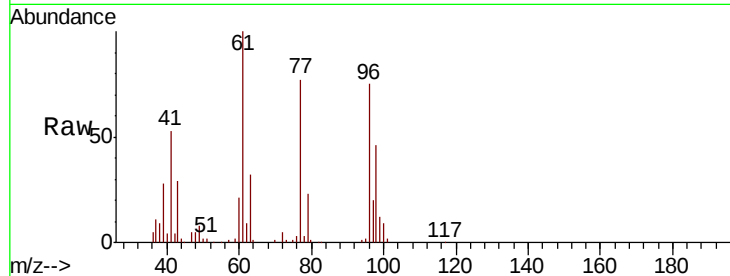


#27

cis-1,2-Dichloroethene
 Concen: 22.050 ug/l
 RT: 5.61 min Scan# 415
 Delta R.T. 0.00 min
 Lab File: VD060460.D
 Acq: 29 Nov 2018 11:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1129SBS01

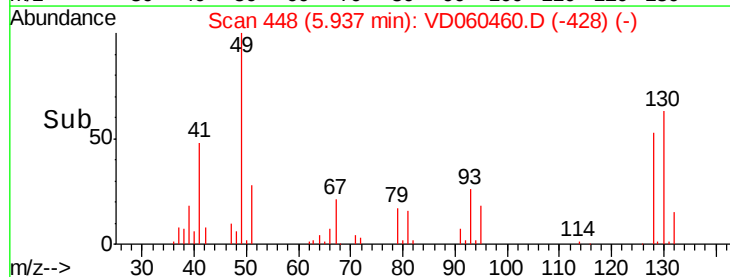
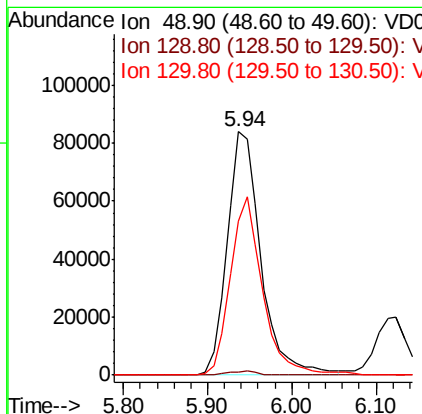
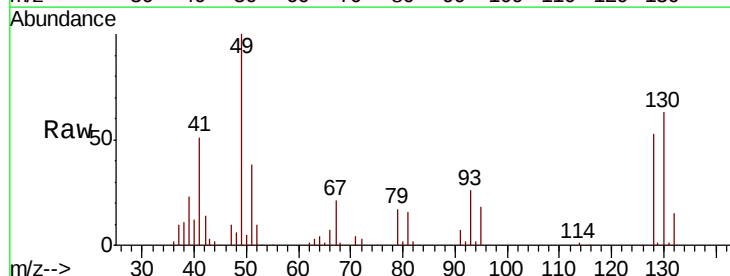
Tot Ion: 96 Resp: 342838
 Ion Ratio Lower Upper
 96 100
 61 134.0 0.0 259.0
 98 62.1 0.0 128.8

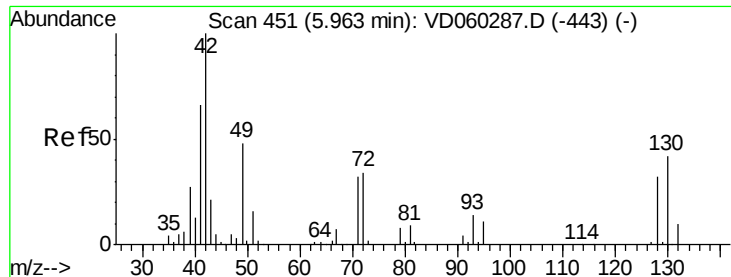


#28

Bromochloromethane
 Concen: 21.451 ug/l
 RT: 5.94 min Scan# 448
 Delta R.T. -0.01 min
 Lab File: VD060460.D
 Acq: 29 Nov 2018 11:40

Tgt Ion: 49 Resp: 233220
 Ion Ratio Lower Upper
 49 100
 129 1.4 0.0 2.8
 130 63.2 53.6 80.4

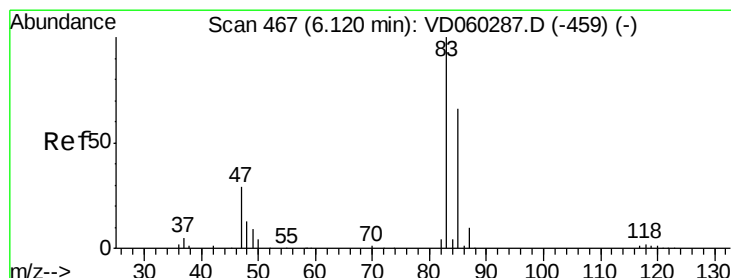
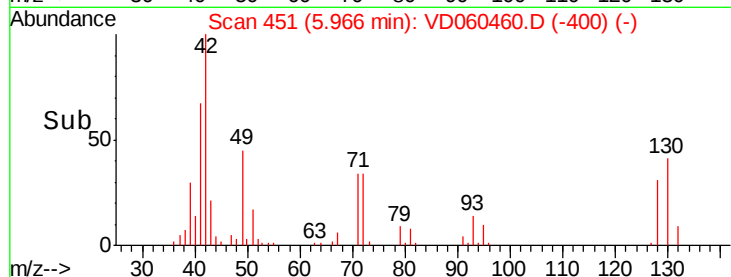
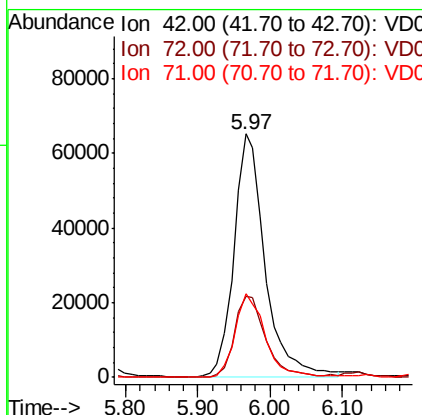
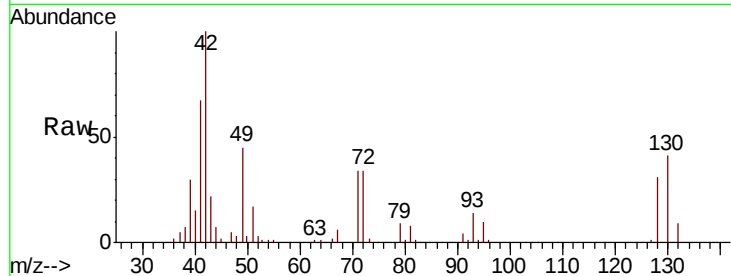




#29
Tetrahydrofuran
Concen: 104.725 ug/l
RT: 5.97 min Scan# 451
Delta R.T. 0.00 min
Lab File: VD060460.D
Acq: 29 Nov 2018 11:40

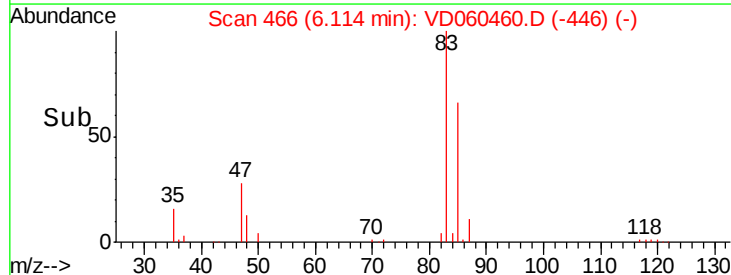
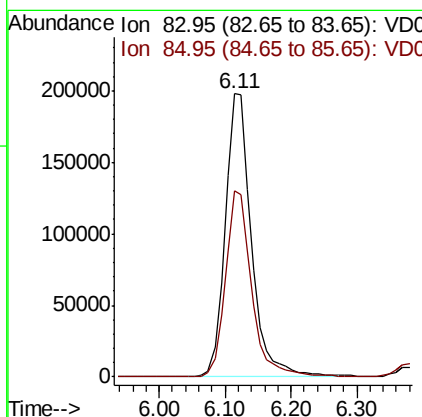
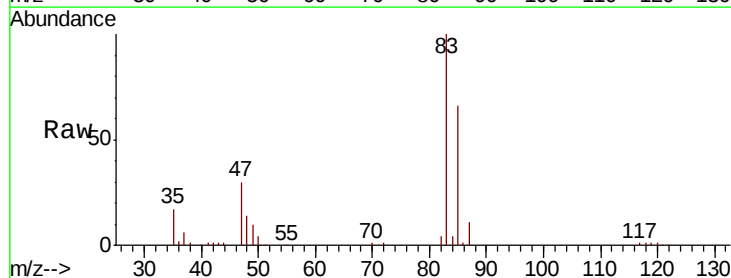
Instrument :
MSVOA_D
ClientSampleId :
VD1129SBS01

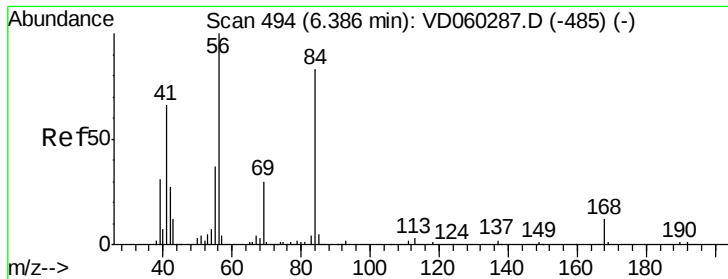
Tot Ion: 42 Resp: 196363
Ion Ratio Lower Upper
42 100
72 33.5 27.6 41.4
71 33.7 26.5 39.7



#30
Chloroform
Concen: 22.370 ug/l
RT: 6.11 min Scan# 466
Delta R.T. -0.01 min
Lab File: VD060460.D
Acq: 29 Nov 2018 11:40

Tgt Ion: 83 Resp: 551047
Ion Ratio Lower Upper
83 100
85 65.8 52.5 78.7





#31

Cyclohexane

Concen: 21.076 ug/l

RT: 6.38 min Scan# 493

Delta R.T. -0.01 min

Lab File: VD060460.D

Acq: 29 Nov 2018 11:40

Instrument :

MSVOA_D

ClientSampleId :

VD1129SBS01

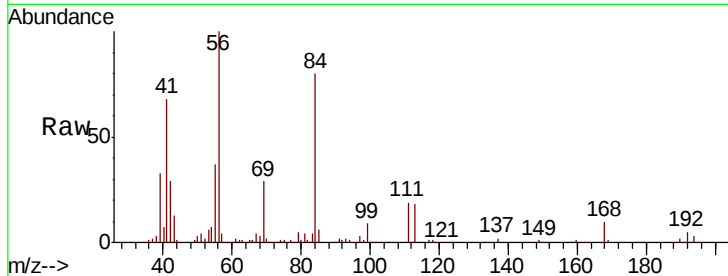
Tot Ion: 56 Resp: 496357

Ion Ratio Lower Upper

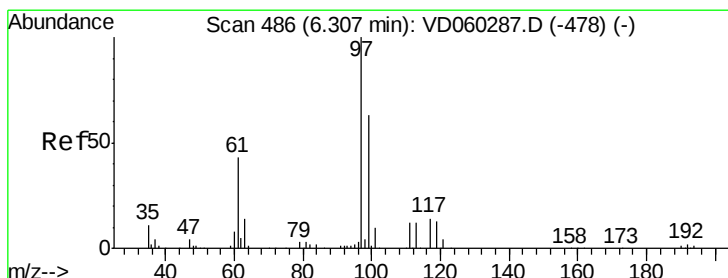
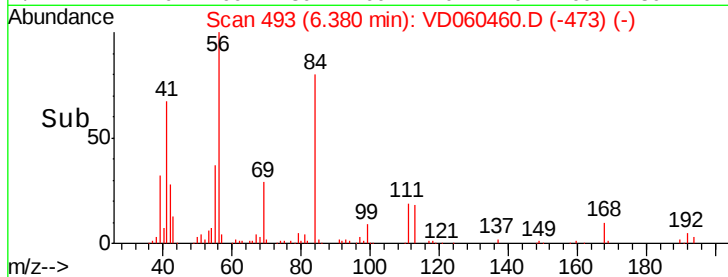
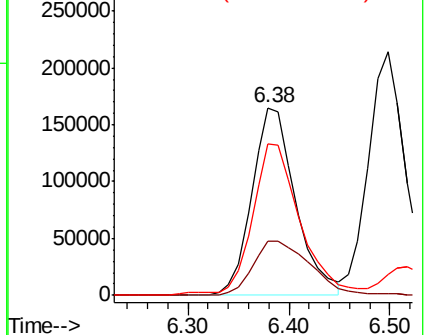
56 100

69 29.0 22.2 33.2

84 80.4 63.0 94.4



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 22.156 ug/l

RT: 6.31 min Scan# 486

Delta R.T. 0.00 min

Lab File: VD060460.D

Acq: 29 Nov 2018 11:40

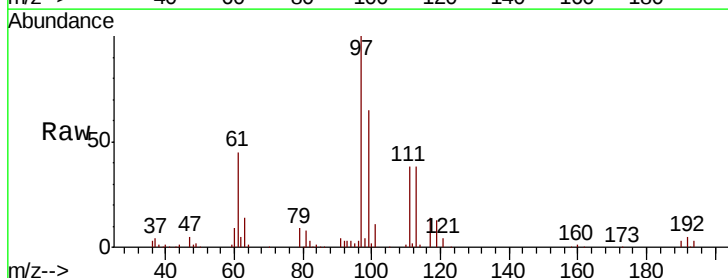
Tgt Ion: 97 Resp: 459736

Ion Ratio Lower Upper

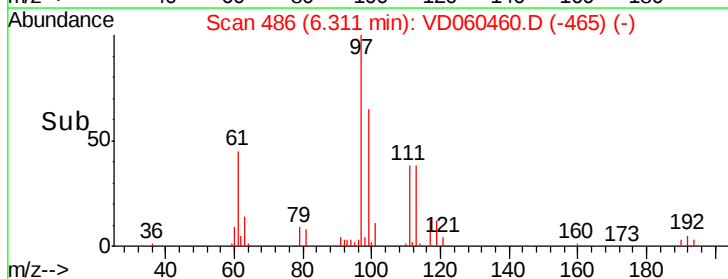
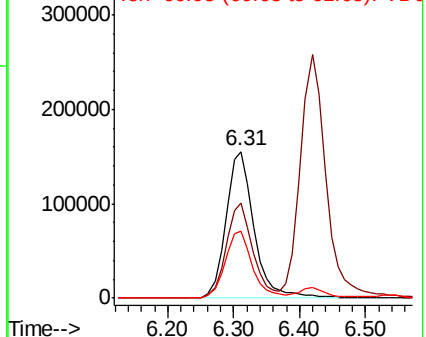
97 100

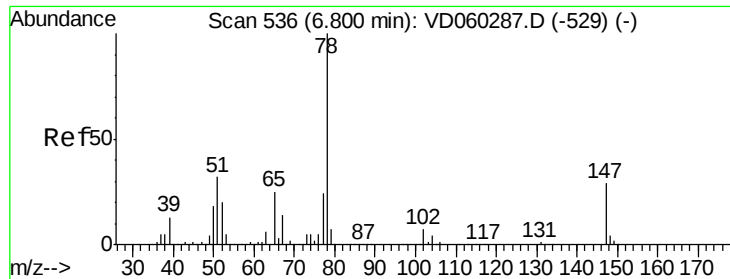
99 64.5 51.5 77.3

61 45.2 35.8 53.8



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 22.156 ug/l

RT: 6.80 min Scan# 536

Delta R.T. 0.00 min

Lab File: VD060460.D

Acq: 29 Nov 2018 11:40

Instrument :

MSVOA_D

ClientSampleId :

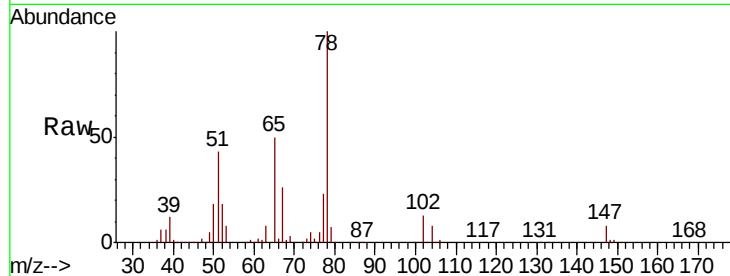
VD1129SBS01

Tot Ion: 65 Resp: 496779

Ion Ratio Lower Upper

65 100

67 52.9 0.0 109.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.80

200000

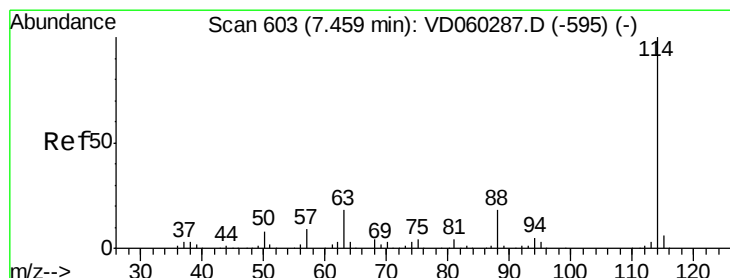
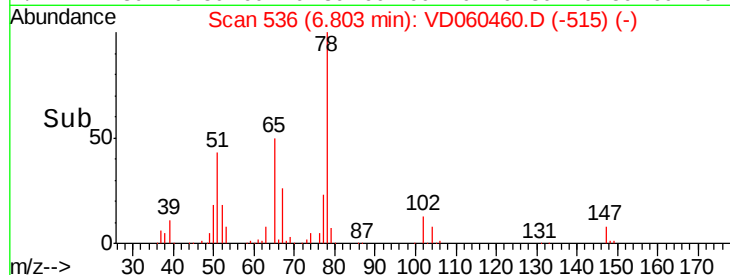
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.45 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD060460.D

Acq: 29 Nov 2018 11:40

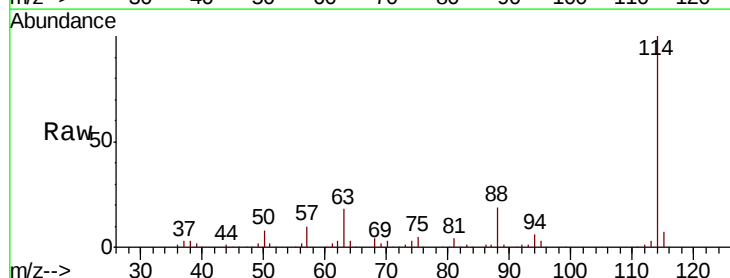
Tgt Ion: 114 Resp: 1928694

Ion Ratio Lower Upper

114 100

63 18.5 0.0 34.0

88 18.8 0.0 35.4



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

7.45

1000000

800000

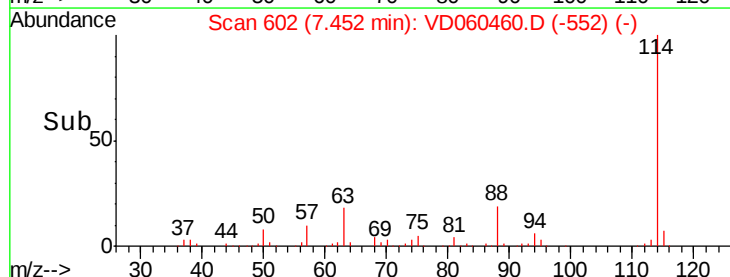
600000

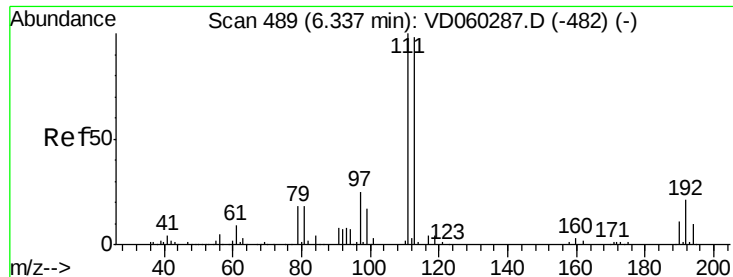
400000

200000

0

Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.34 min Scan# 489

Delta R.T. 0.00 min

Lab File: VD060460.D

Acq: 29 Nov 2018 11:40

Instrument :

MSVOA_D

ClientSampleId :

VD1129SBS01

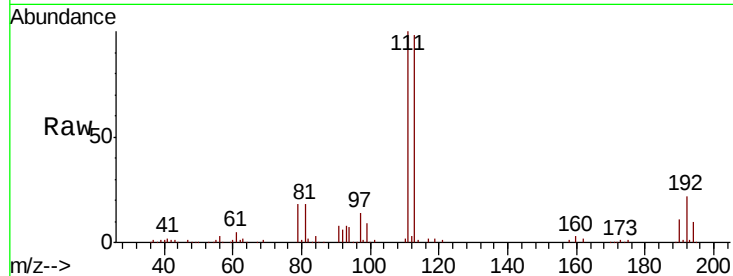
Tot Ion:113 Resp: 744912

Ion Ratio Lower Upper

113 100

111 102.0 81.6 122.4

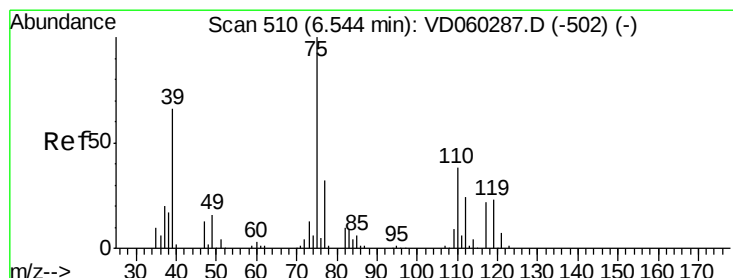
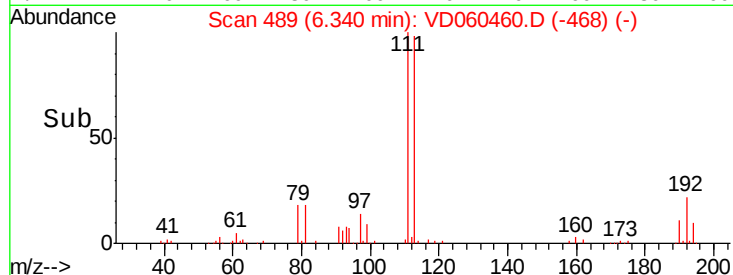
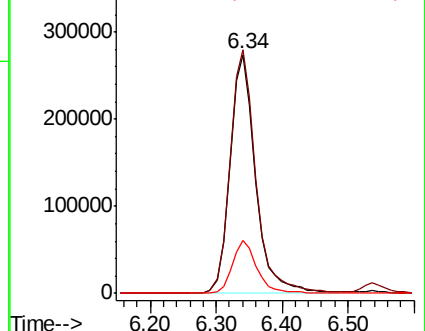
192 22.2 16.5 24.7



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 21.193 ug/l

RT: 6.54 min Scan# 509

Delta R.T. -0.01 min

Lab File: VD060460.D

Acq: 29 Nov 2018 11:40

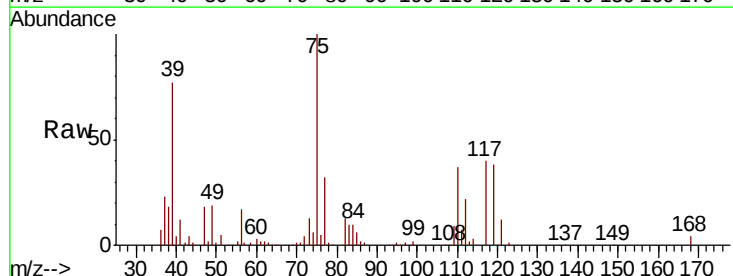
Tgt Ion: 75 Resp: 403826

Ion Ratio Lower Upper

75 100

110 37.4 18.0 54.0

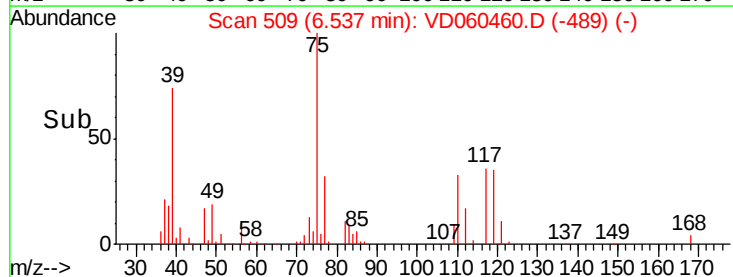
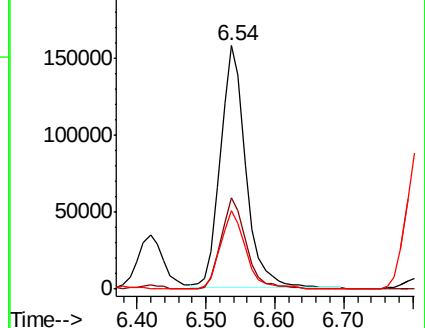
77 32.3 25.6 38.4

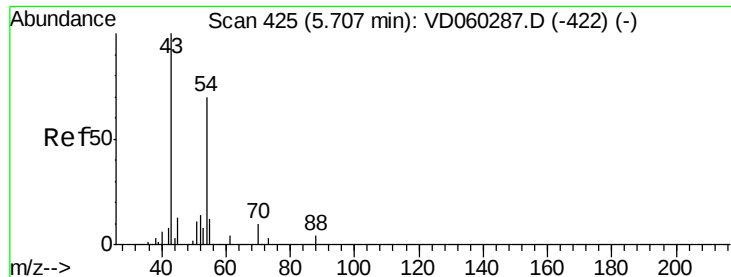


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

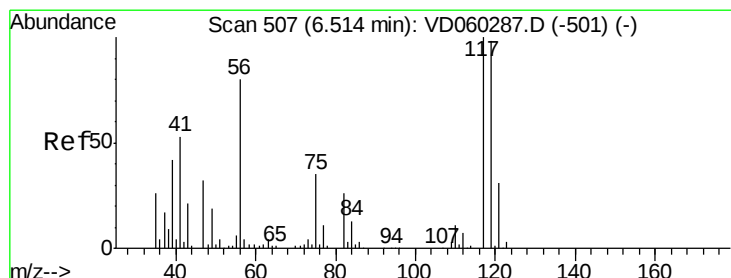
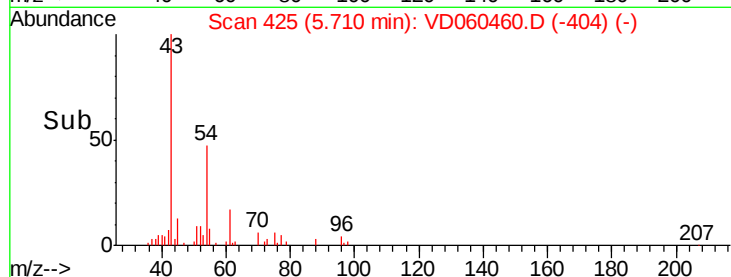
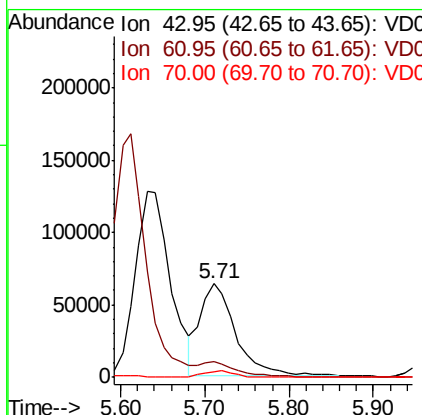
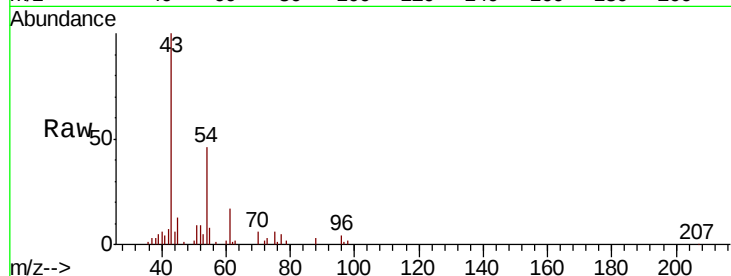




#37
Ethyl Acetate
Concen: 21.017 ug/l
RT: 5.71 min Scan# 425
Delta R.T. 0.00 min
Lab File: VD060460.D
Acq: 29 Nov 2018 11:40

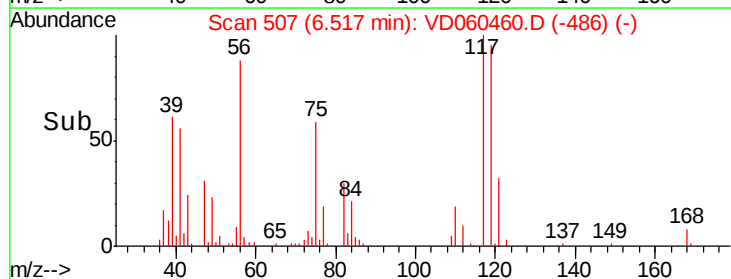
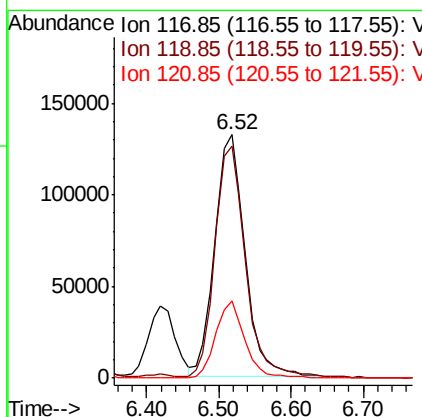
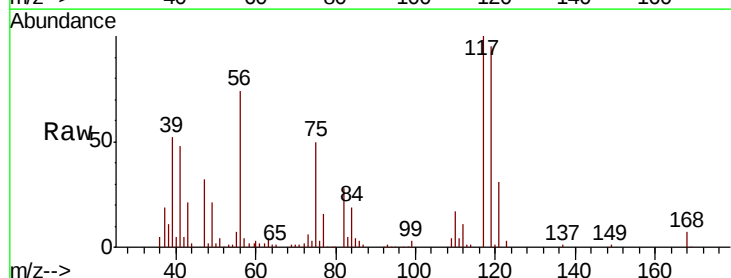
Instrument :
MSVOA_D
ClientSampleId :
VD1129SBS01

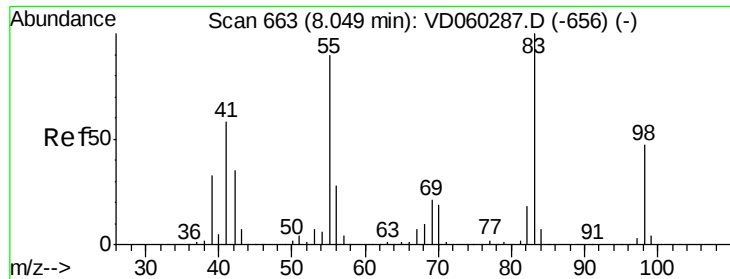
Tot Ion: 43 Resp: 184279
Ion Ratio Lower Upper
43 100
61 17.0 11.8 17.6
70 6.2 6.2 9.4#



#38
Carbon Tetrachloride
Concen: 21.766 ug/l
RT: 6.52 min Scan# 507
Delta R.T. 0.00 min
Lab File: VD060460.D
Acq: 29 Nov 2018 11:40

Tgt Ion: 117 Resp: 384730
Ion Ratio Lower Upper
117 100
119 95.1 76.6 115.0
121 31.5 24.3 36.5

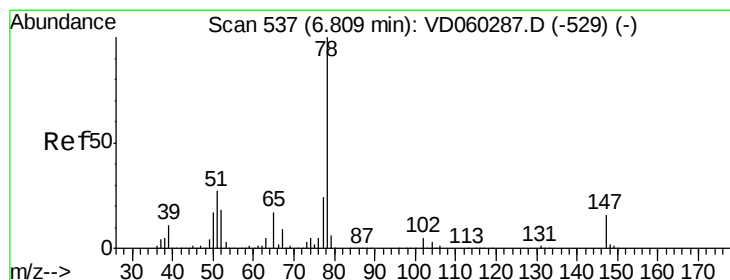
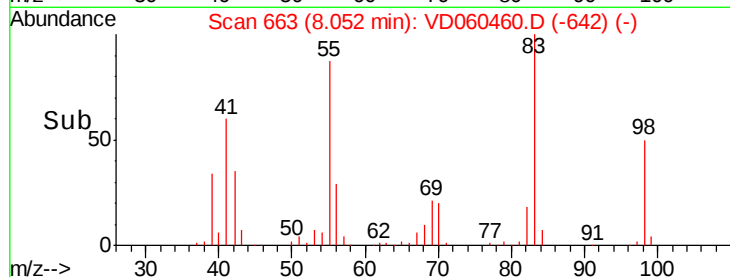
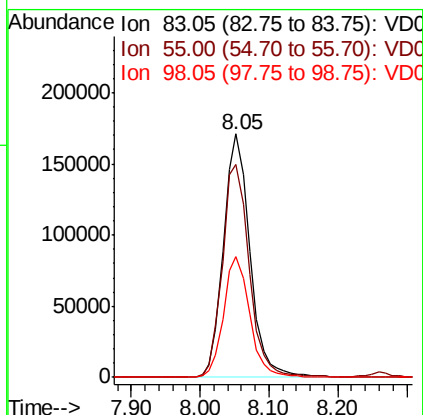
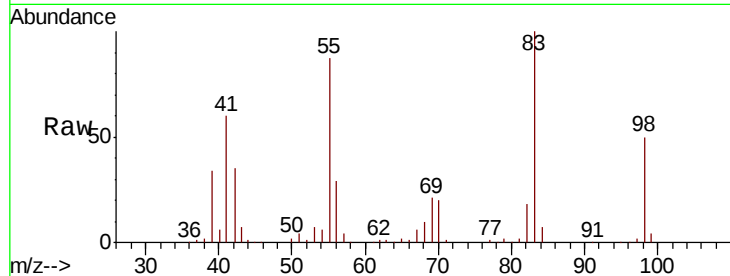




#39
Methvlcvclohexane
Concen: 20.794 ug/l
RT: 8.05 min Scan# 663
Delta R.T. 0.00 min
Lab File: VD060460.D
Acq: 29 Nov 2018 11:40

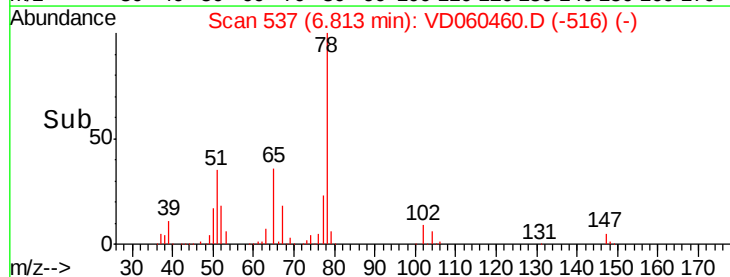
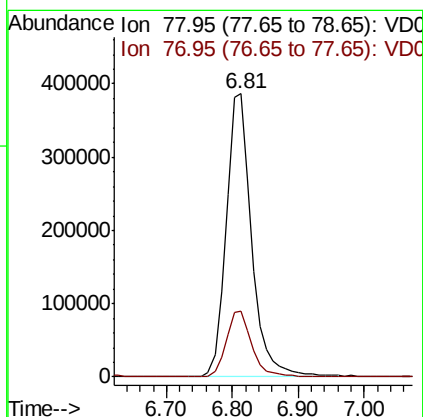
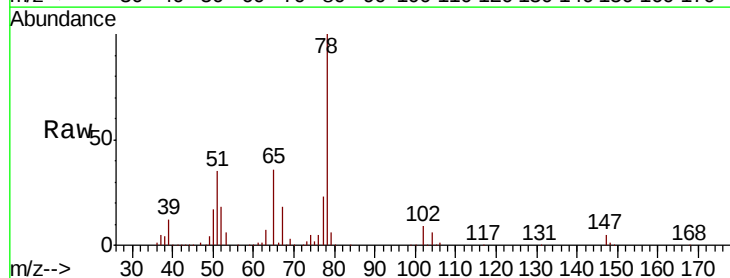
Instrument :
MSVOA_D
ClientSampleId :
VD1129SBS01

Tot Ion: 83 Resp: 455708
Ion Ratio Lower Upper
83 100
55 87.4 71.2 106.8
98 49.6 38.4 57.6



#40
Benzene
Concen: 21.529 ug/l
RT: 6.81 min Scan# 537
Delta R.T. 0.00 min
Lab File: VD060460.D
Acq: 29 Nov 2018 11:40

Tgt Ion: 78 Resp: 1047174
Ion Ratio Lower Upper
78 100
77 23.3 18.8 28.2





#41

Methacrylonitrile

Concen: 21.487 ug/l

RT: 5.97 min Scan# 451

Delta R.T. 0.00 min

Lab File: VD060460.D

Acq: 29 Nov 2018 11:40

Instrument :

MSVOA_D

ClientSampleId :

VD1129SBS01

Tot Ion: 41 Resp: 215633

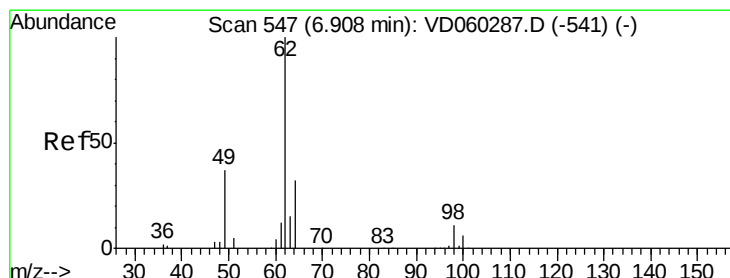
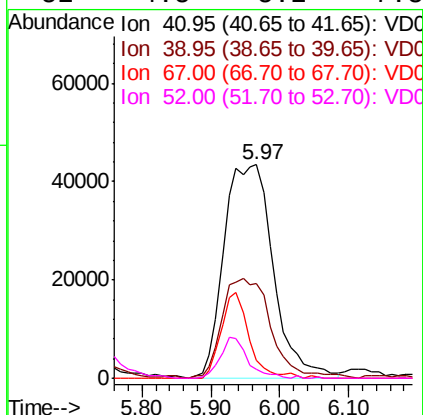
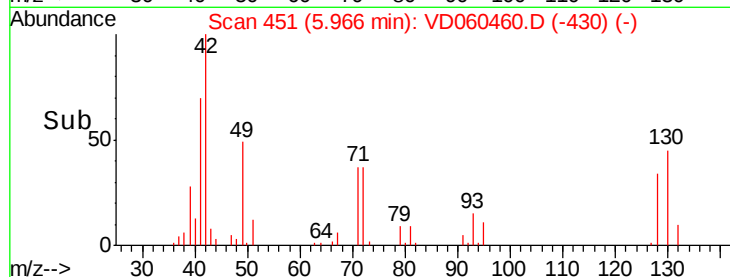
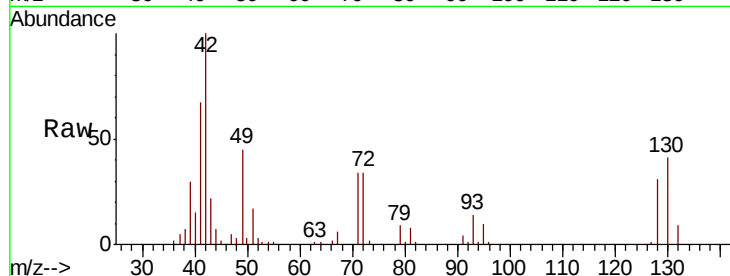
Ion Ratio Lower Upper

41 100

39 44.3 36.2 54.2

67 8.4 11.9 17.9#

52 4.5 5.2 7.8#



#42

1,2-Dichloroethane

Concen: 21.246 ug/l

RT: 6.91 min Scan# 547

Delta R.T. 0.00 min

Lab File: VD060460.D

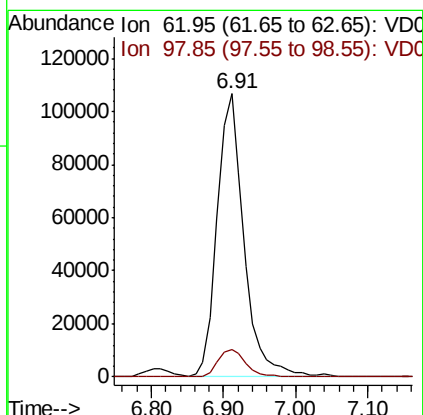
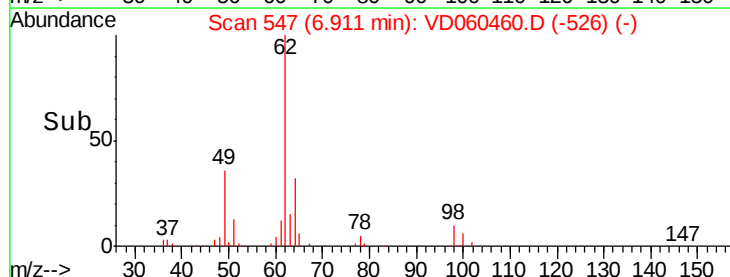
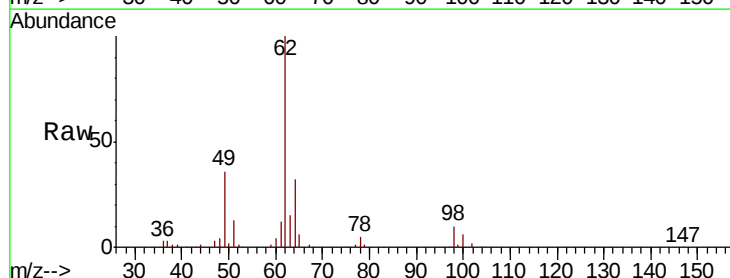
Acq: 29 Nov 2018 11:40

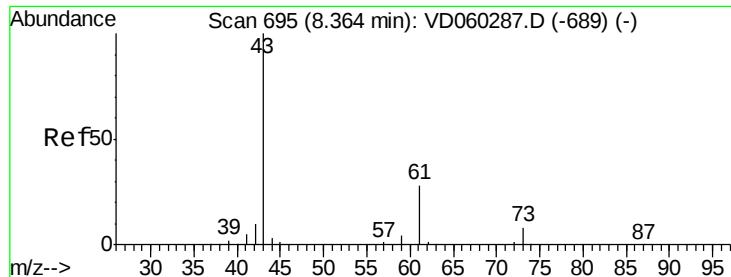
Tgt Ion: 62 Resp: 270481

Ion Ratio Lower Upper

62 100

98 9.7 0.0 22.0





#43

Isopropyl Acetate

Concen: 20.317 ug/l

RT: 8.36 min Scan# 694

Delta R.T. -0.01 min

Lab File: VD060460.D

Acq: 29 Nov 2018 11:40

Instrument :

MSVOA_D

ClientSampleId :

VD1129SBS01

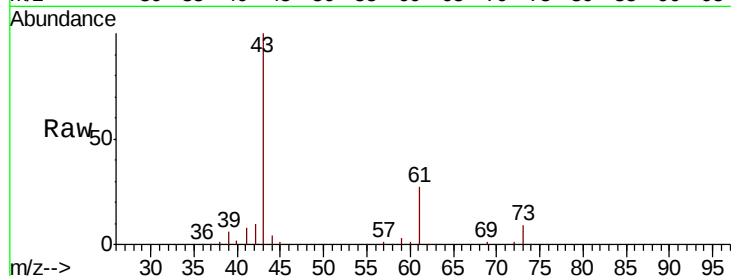
Tot Ion: 43 Resp: 223769

Ion Ratio Lower Upper

43 100

61 27.3 22.3 33.5

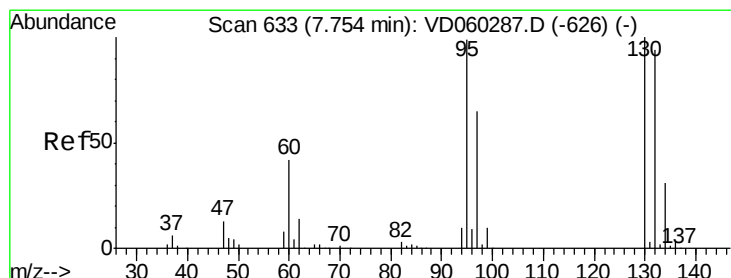
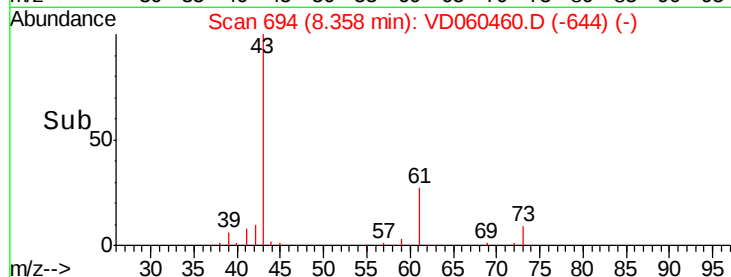
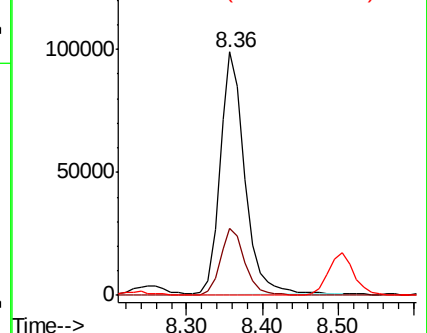
87 0.0 0.2 0.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 21.818 ug/l

RT: 7.76 min Scan# 633

Delta R.T. 0.00 min

Lab File: VD060460.D

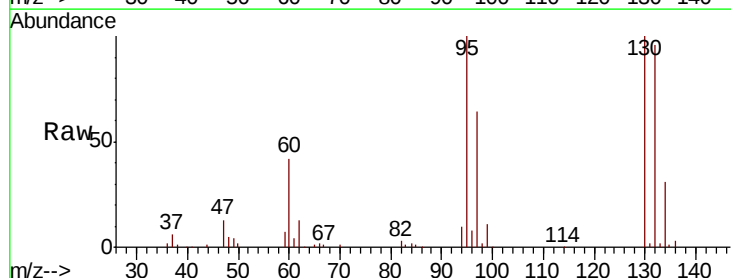
Acq: 29 Nov 2018 11:40

Tgt Ion:130 Resp: 321688

Ion Ratio Lower Upper

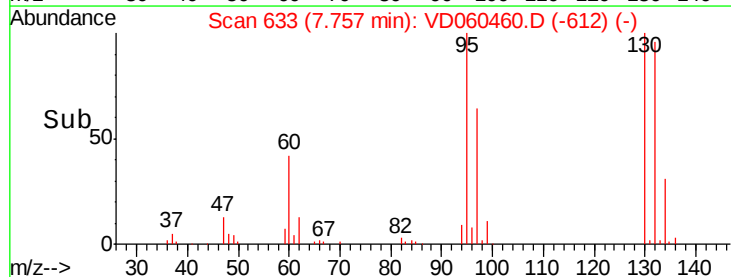
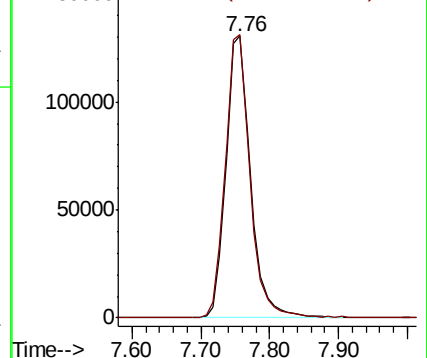
130 100

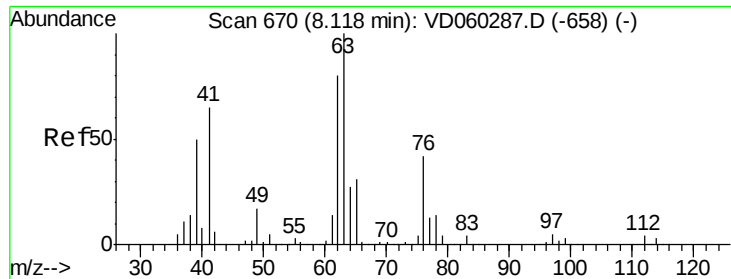
95 100.4 0.0 200.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 21.200 ug/l

RT: 8.11 min Scan# 669

Delta R.T. -0.01 min

Lab File: VD060460.D

Acq: 29 Nov 2018 11:40

Instrument :

MSVOA_D

ClientSampleId :

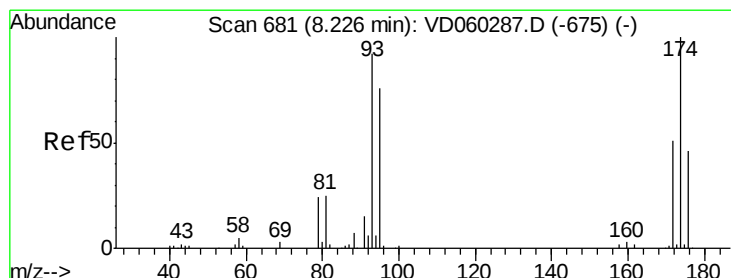
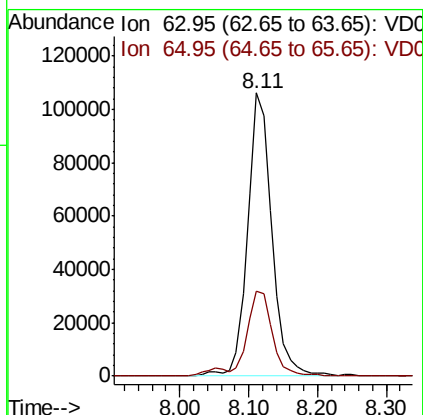
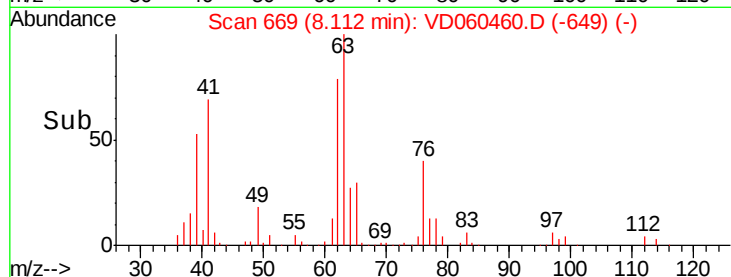
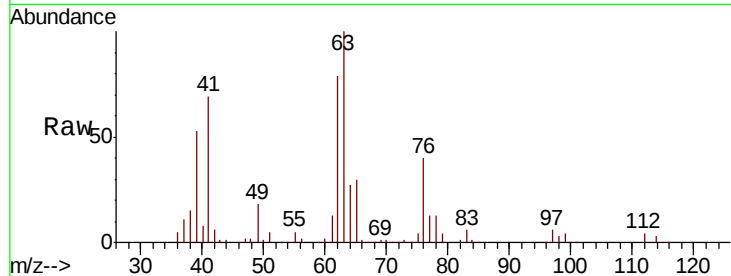
VD1129SBS01

Tot Ion: 63 Resp: 260056

Ion Ratio Lower Upper

63 100

65 29.8 23.4 35.2



#46

Dibromomethane

Concen: 21.591 ug/l

RT: 8.23 min Scan# 681

Delta R.T. 0.00 min

Lab File: VD060460.D

Acq: 29 Nov 2018 11:40

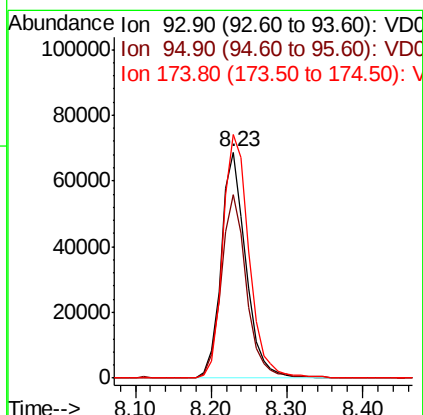
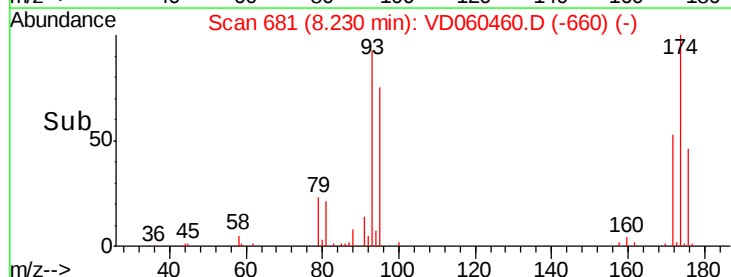
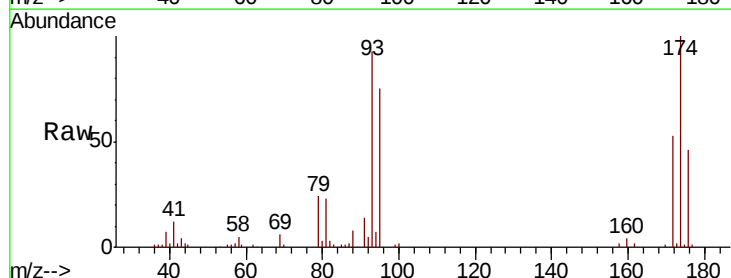
Tgt Ion: 93 Resp: 155120

Ion Ratio Lower Upper

93 100

95 81.3 66.4 99.6

174 107.8 87.8 131.8





#47

Bromodichloromethane

Concen: 21.632 ug/l

RT: 8.51 min Scan# 709

Delta R.T. 0.00 min

Lab File: VD060460.D

Acq: 29 Nov 2018 11:40

Instrument :

MSVOA_D

ClientSampleId :

VD1129SBS01

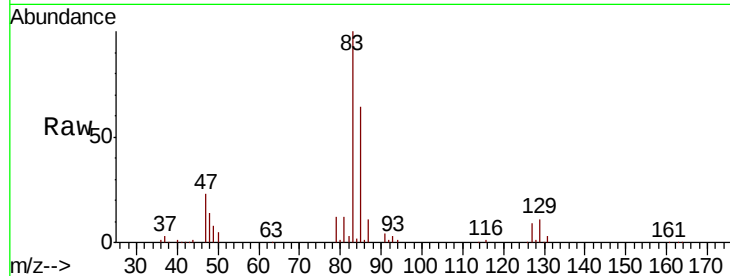
Tot Ion: 83 Resp: 366232

Ion Ratio Lower Upper

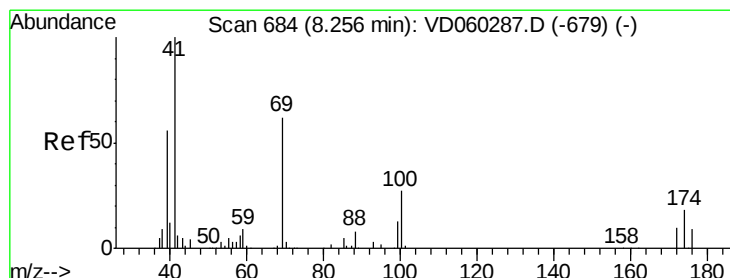
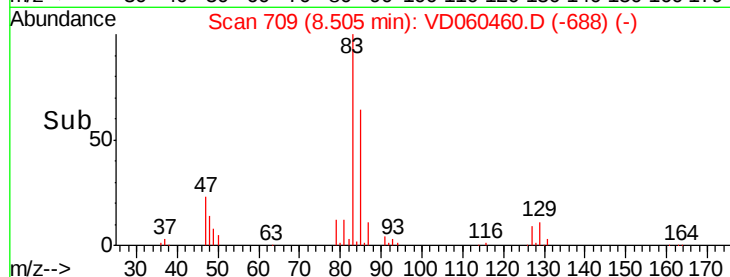
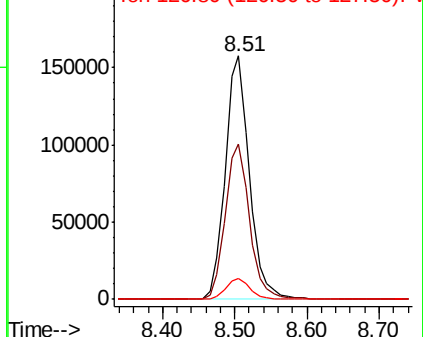
83 100

85 64.0 51.0 76.6

127 8.8 6.2 9.4



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 21.102 ug/l

RT: 8.26 min Scan# 684

Delta R.T. 0.00 min

Lab File: VD060460.D

Acq: 29 Nov 2018 11:40

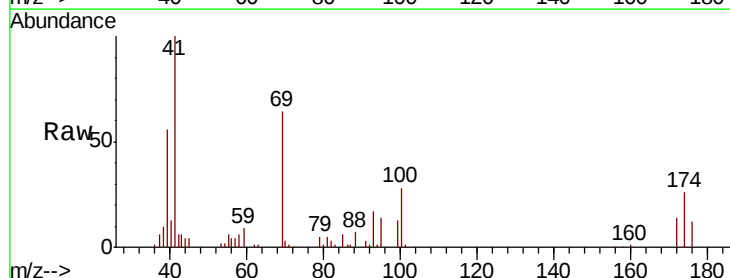
Tgt Ion: 41 Resp: 141175

Ion Ratio Lower Upper

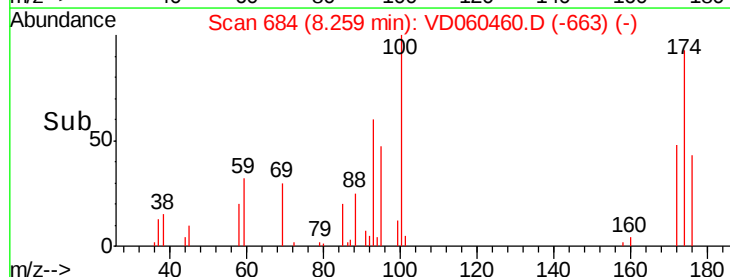
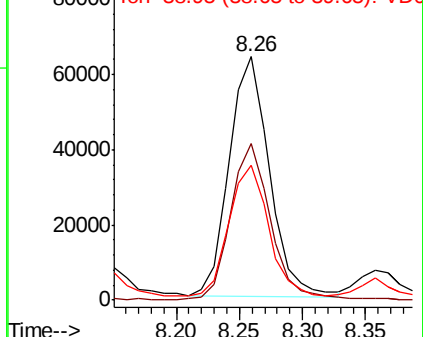
41 100

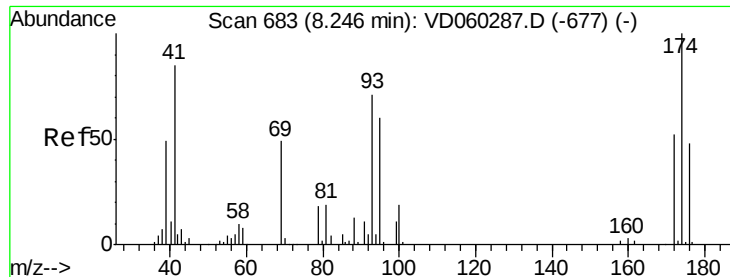
69 64.3 47.0 70.4

39 55.5 46.2 69.4



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 421.613 ug/l

RT: 8.24 min Scan# 682

Delta R.T. -0.01 min

Lab File: VD060460.D

Acq: 29 Nov 2018 11:40

Instrument :

MSVOA_D

ClientSampleId :

VD1129SBS01

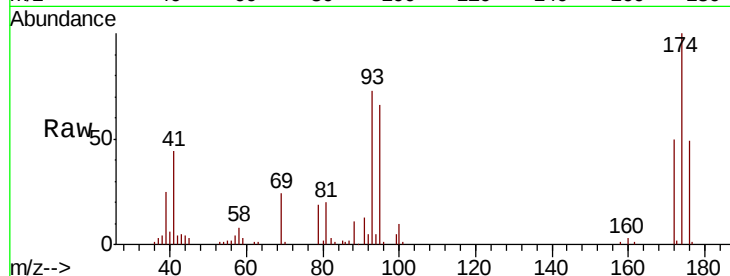
Tot Ion: 88 Resp: 24405

Ion Ratio Lower Upper

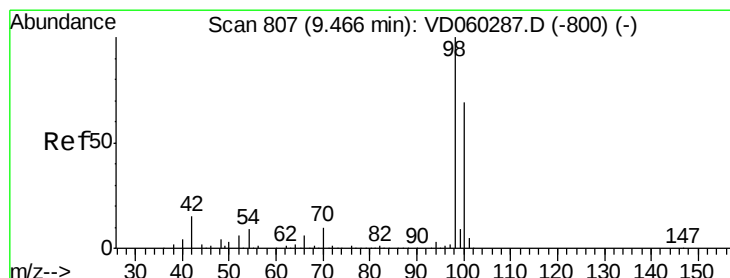
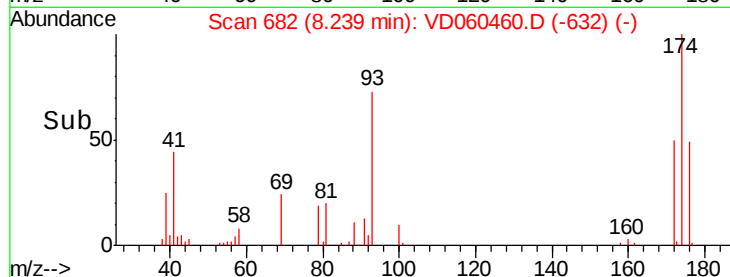
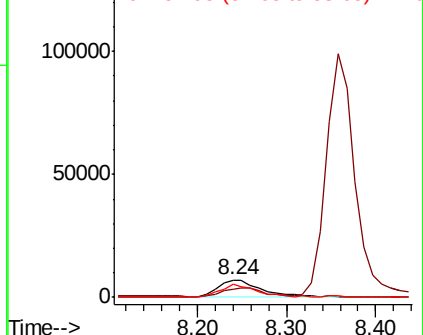
88 100

43 47.1 39.7 59.5

58 73.6 60.2 90.2



Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 421.613 ug/l

RT: 9.47 min Scan# 807

Delta R.T. 0.00 min

Lab File: VD060460.D

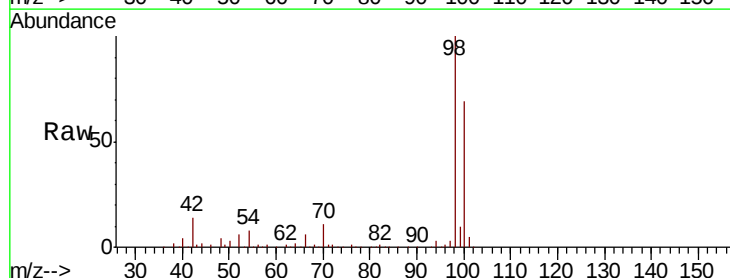
Acq: 29 Nov 2018 11:40

Tgt Ion: 98 Resp: 2088923

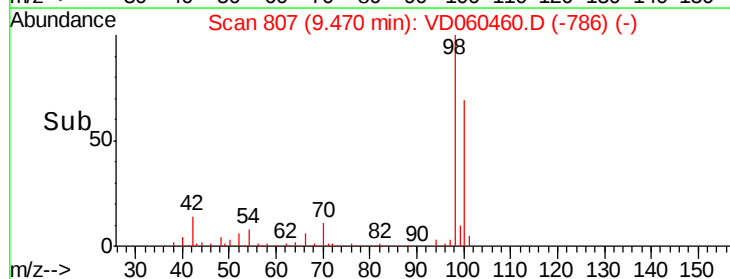
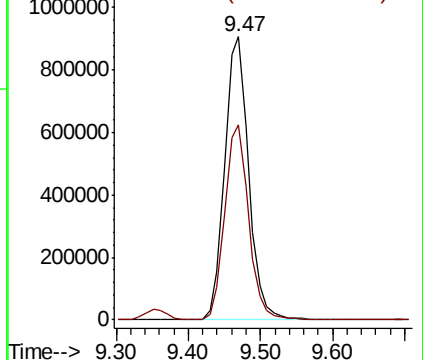
Ion Ratio Lower Upper

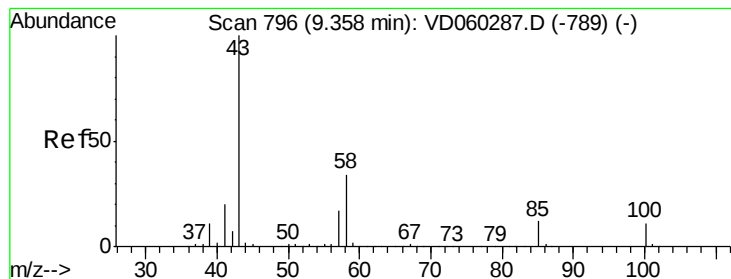
98 100

100 69.1 55.2 82.8



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 106.270 ug/l

RT: 9.35 min Scan# 795

Delta R.T. -0.01 min

Lab File: VD060460.D

Acq: 29 Nov 2018 11:40

Instrument :

MSVOA_D

ClientSampleId :

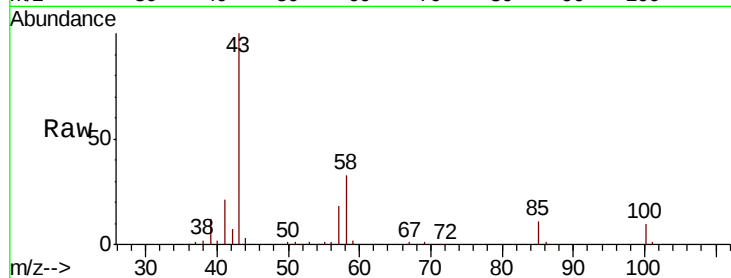
VD1129SBS01

Tot Ion: 43 Resp: 761800

Ion Ratio Lower Upper

43 100

58 32.9 26.1 39.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.35

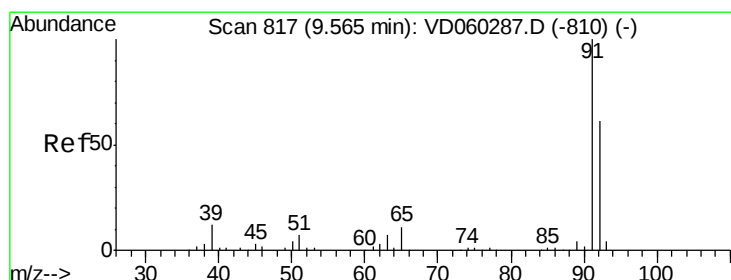
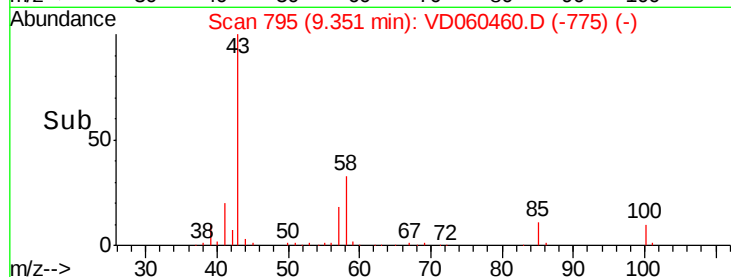
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 21.573 ug/l

RT: 9.56 min Scan# 816

Delta R.T. -0.01 min

Lab File: VD060460.D

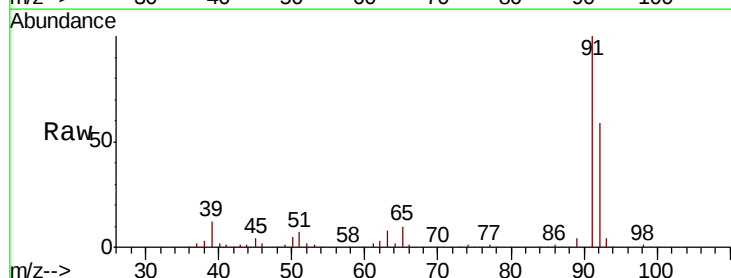
Acq: 29 Nov 2018 11:40

Tgt Ion: 92 Resp: 670283

Ion Ratio Lower Upper

92 100

91 169.3 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

600000

500000

400000

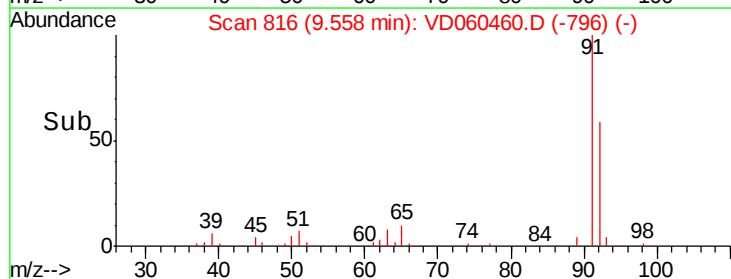
300000

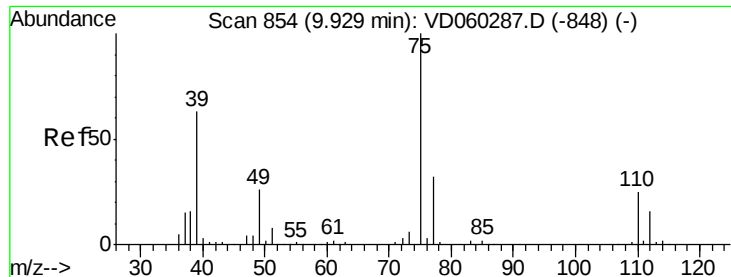
200000

100000

0

Time-->

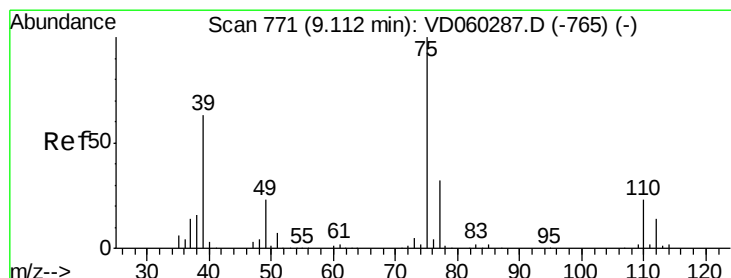
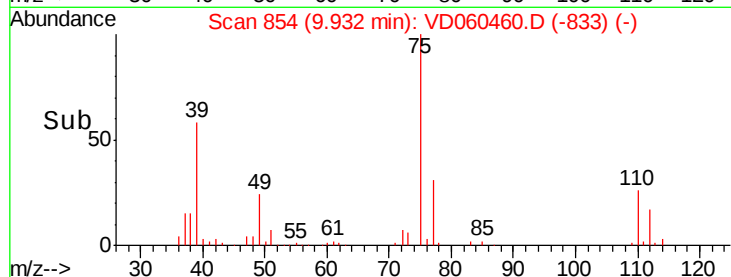
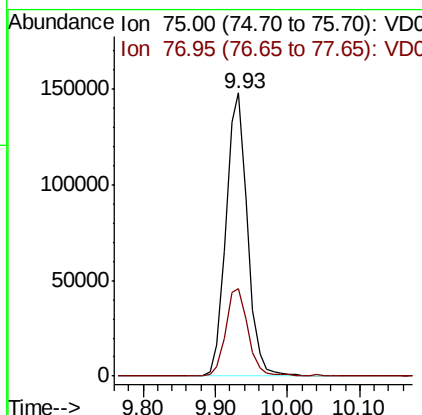
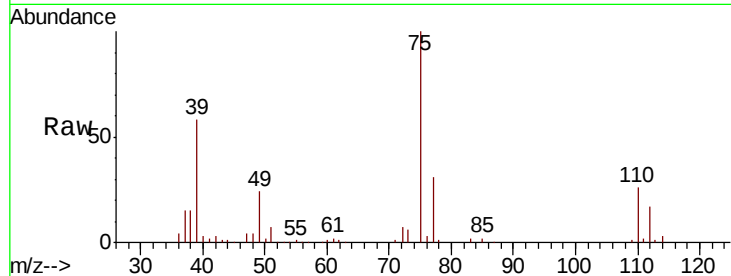




#53
t-1,3-Dichloropropene
Concen: 21.231 ug/l
RT: 9.93 min Scan# 854
Delta R.T. 0.00 min
Lab File: VD060460.D
Acq: 29 Nov 2018 11:40

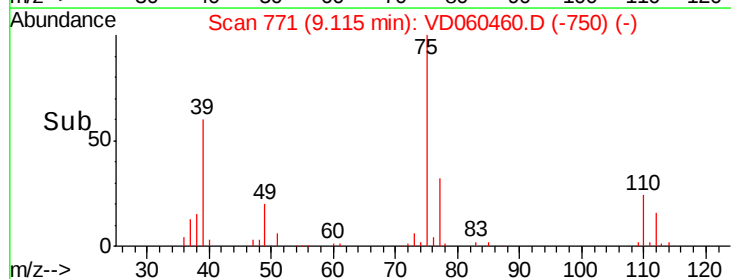
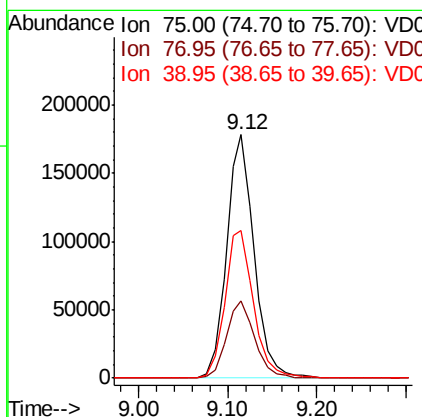
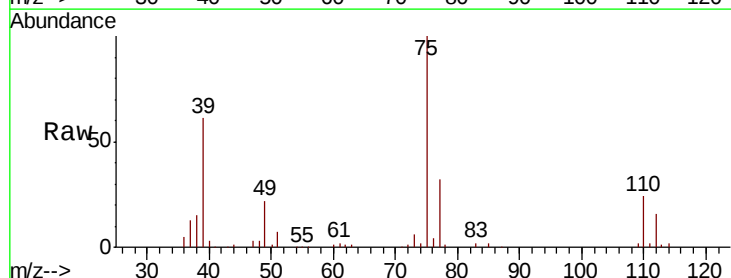
Instrument :
MSVOA_D
ClientSampleId :
VD1129SBS01

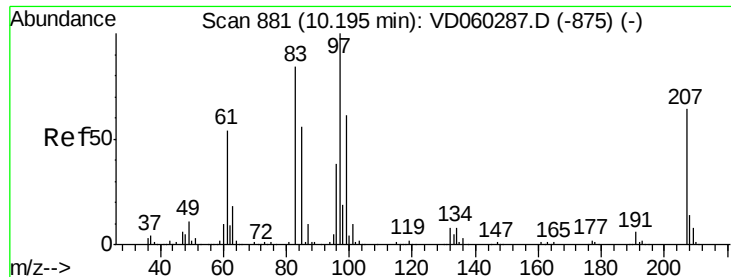
Tot Ion: 75 Resp: 303698
Ion Ratio Lower Upper
75 100
77 31.0 25.2 37.8



#54
cis-1,3-Dichloropropene
Concen: 21.014 ug/l
RT: 9.12 min Scan# 771
Delta R.T. 0.00 min
Lab File: VD060460.D
Acq: 29 Nov 2018 11:40

Tgt Ion: 75 Resp: 385550
Ion Ratio Lower Upper
75 100
77 31.6 26.3 39.5
39 60.5 50.8 76.2

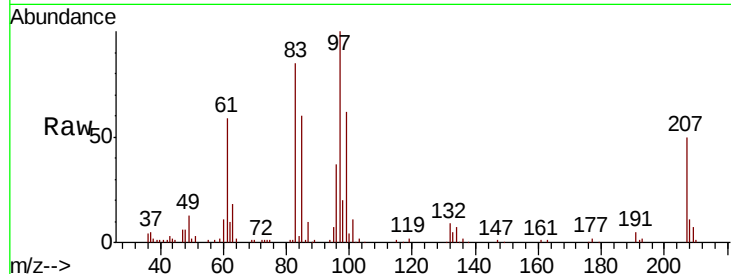




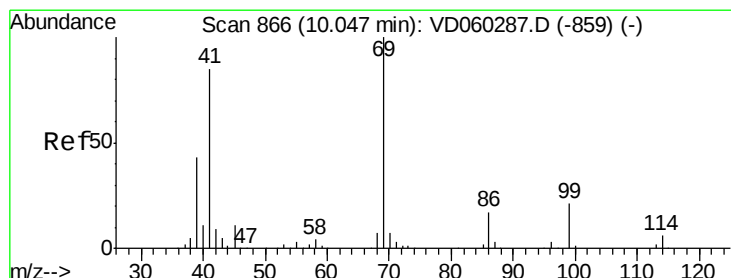
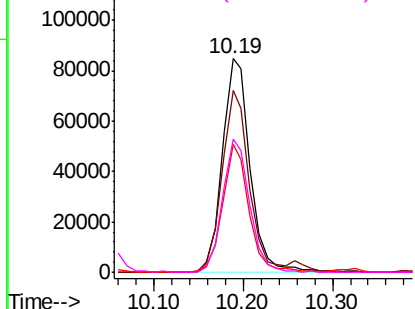
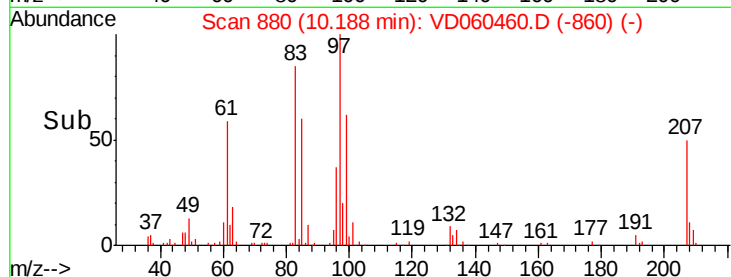
#55
 1,1,2-Trichloroethane
 Concen: 20.552 ug/l
 RT: 10.19 min Scan# 880
 Delta R.T. -0.01 min
 Lab File: VD060460.D
 Acq: 29 Nov 2018 11:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1129SBS01

Tot Ion: 97 Resp: 185072
 Ion Ratio Lower Upper
 97 100
 83 85.0 68.4 102.6
 85 60.1 46.8 70.2
 99 62.3 49.5 74.3

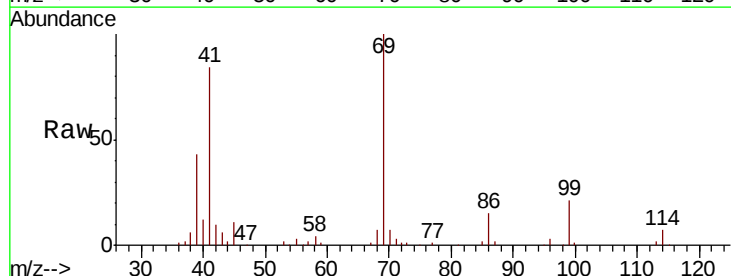


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

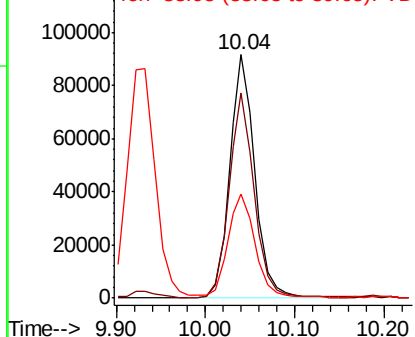
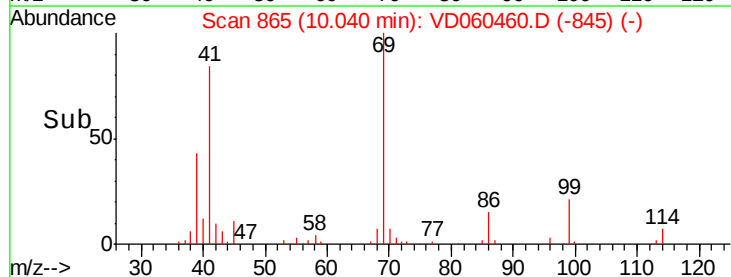


#56
 Ethyl methacrylate
 Concen: 21.789 ug/l
 RT: 10.04 min Scan# 865
 Delta R.T. -0.01 min
 Lab File: VD060460.D
 Acq: 29 Nov 2018 11:40

Tgt Ion: 69 Resp: 180409
 Ion Ratio Lower Upper
 69 100
 41 84.1 69.0 103.4
 39 43.0 36.6 54.8



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 20.851 ug/l

RT: 10.39 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD060460.D

Acq: 29 Nov 2018 11:40

Instrument :

MSVOA_D

ClientSampleId :

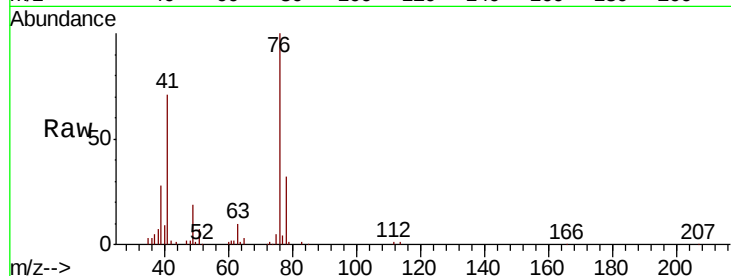
VD1129SBS01

Tot Ion: 76 Resp: 286117

Ion Ratio Lower Upper

76 100

78 31.7 25.9 38.9



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

10.39

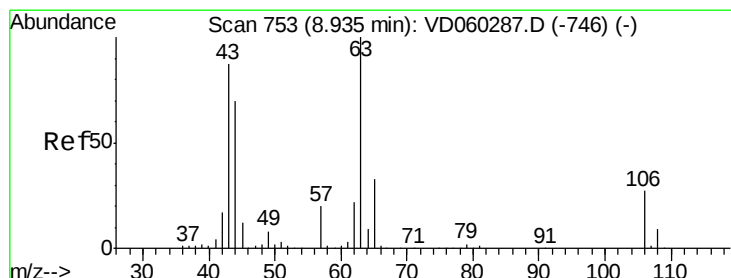
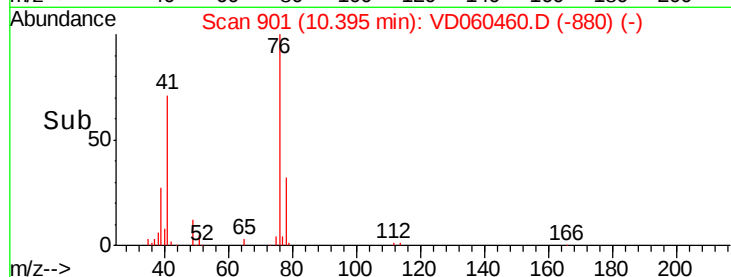
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 113.415 ug/l

RT: 8.93 min Scan# 752

Delta R.T. -0.01 min

Lab File: VD060460.D

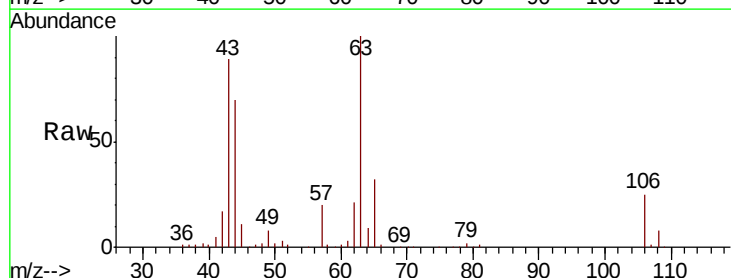
Acq: 29 Nov 2018 11:40

Tgt Ion: 63 Resp: 567800

Ion Ratio Lower Upper

63 100

106 25.0 21.5 32.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

8.93

300000

250000

200000

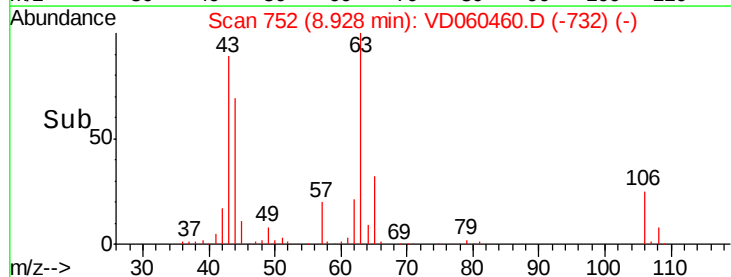
150000

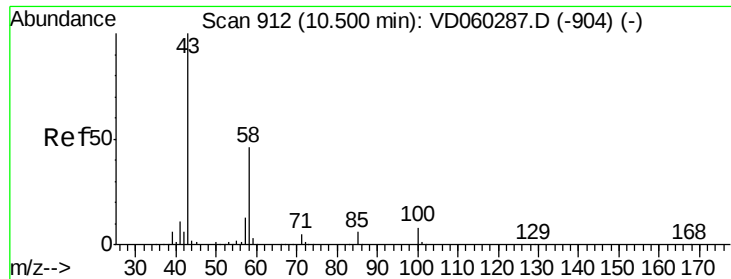
100000

50000

0

Time-->

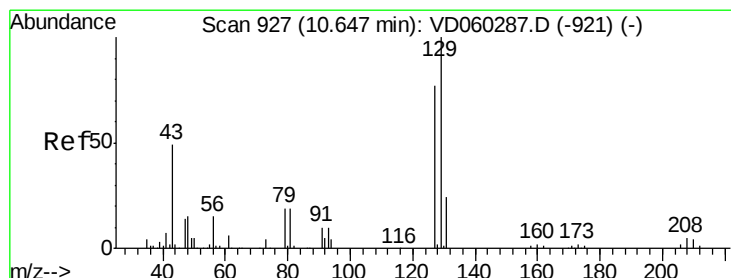
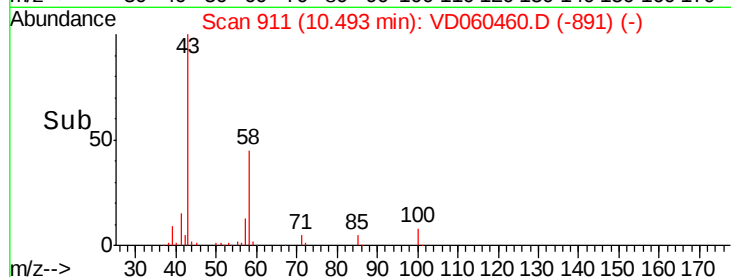
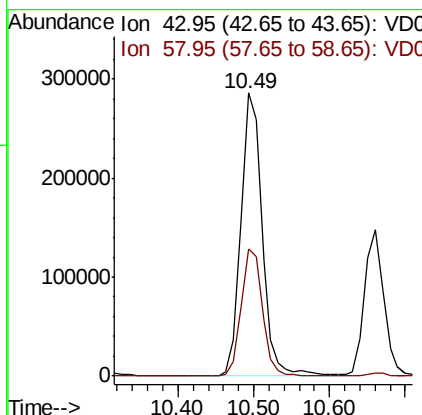
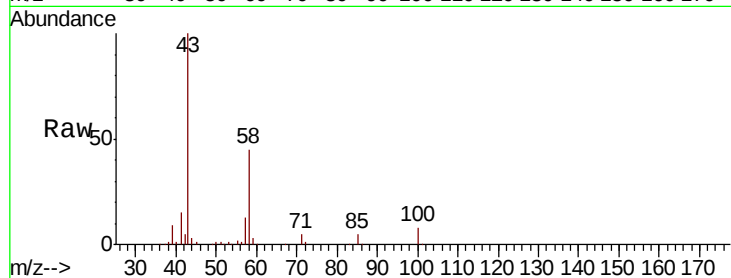




#59
2-Hexanone
Concen: 108.553 ug/l
RT: 10.49 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD060460.D
Acq: 29 Nov 2018 11:40

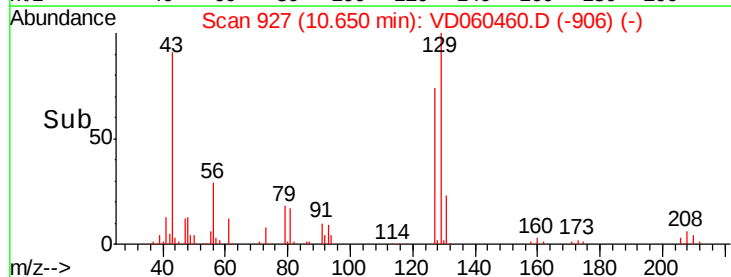
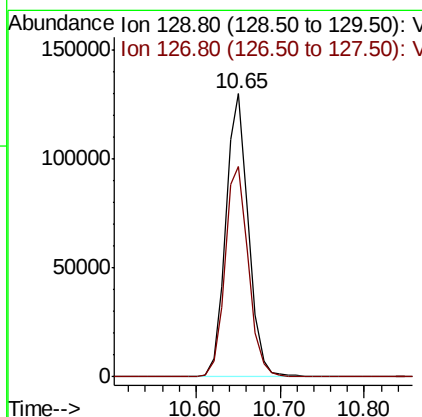
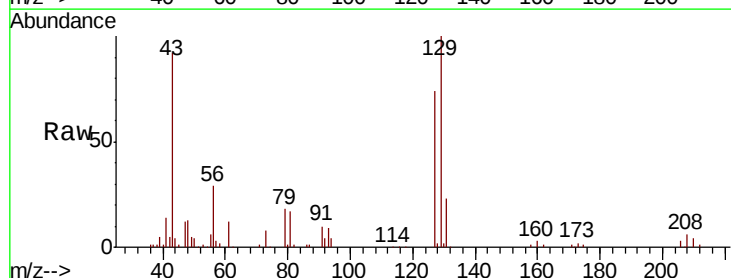
Instrument :
MSVOA_D
ClientSampleId :
VD1129SBS01

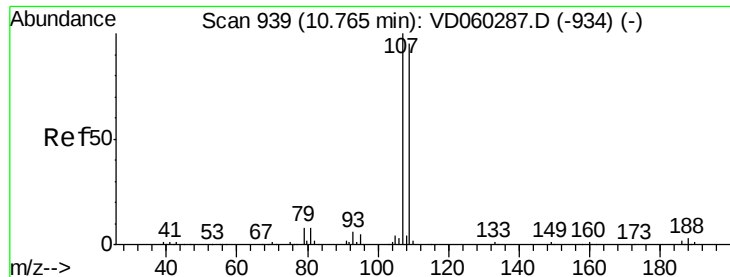
Tot Ion: 43 Resp: 554628
Ion Ratio Lower Upper
43 100
58 44.7 22.9 68.5



#60
Dibromochloromethane
Concen: 22.032 ug/l
RT: 10.65 min Scan# 927
Delta R.T. 0.00 min
Lab File: VD060460.D
Acq: 29 Nov 2018 11:40

Tgt Ion: 129 Resp: 241172
Ion Ratio Lower Upper
129 100
127 74.1 38.9 116.6

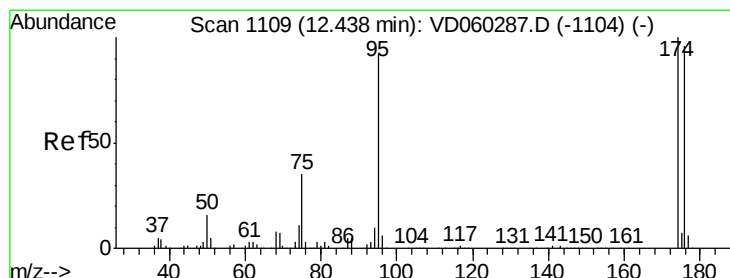
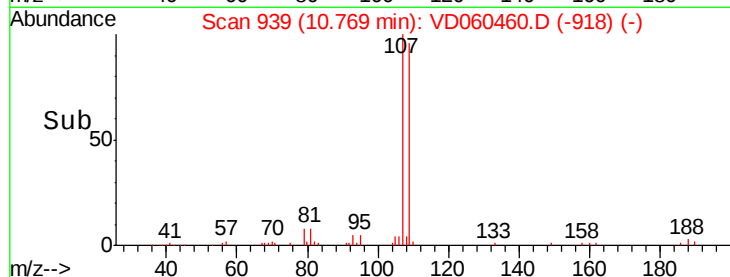
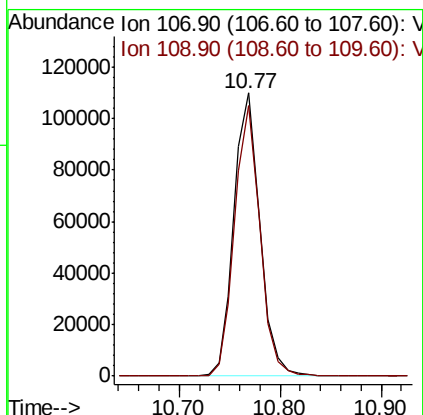
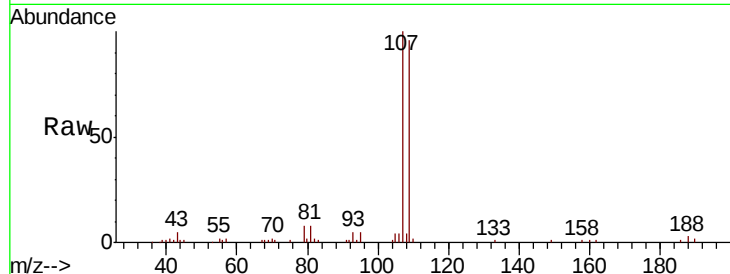




#61
 1,2-Dibromoethane
 Concen: 21.848 ug/l
 RT: 10.77 min Scan# 939
 Delta R.T. 0.00 min
 Lab File: VD060460.D
 Acq: 29 Nov 2018 11:40

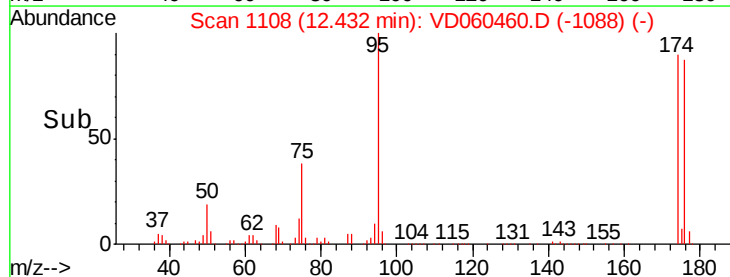
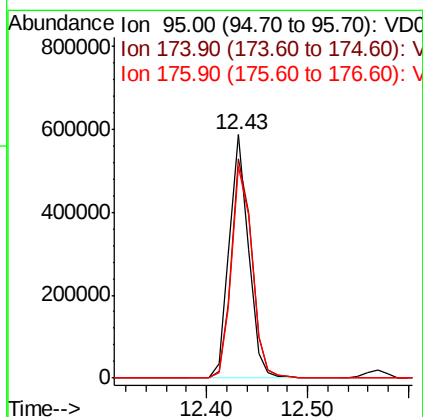
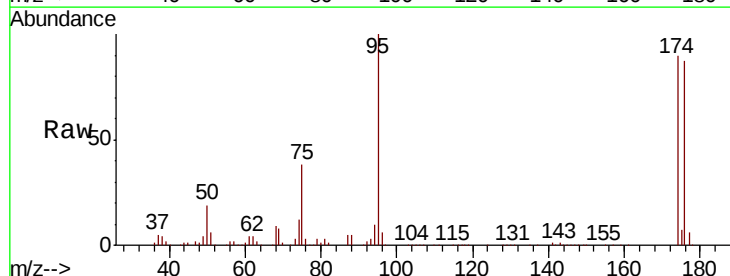
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1129SBS01

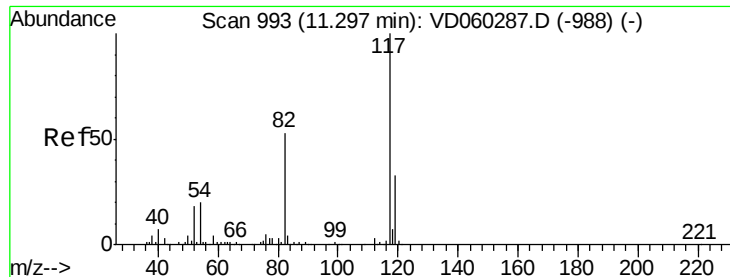
Tot Ion:107 Resp: 197132
 Ion Ratio Lower Upper
 107 100
 109 95.6 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 21.848 ug/l
 RT: 12.43 min Scan# 1108
 Delta R.T. -0.01 min
 Lab File: VD060460.D
 Acq: 29 Nov 2018 11:40

Tgt Ion: 95 Resp: 778521
 Ion Ratio Lower Upper
 95 100
 174 90.0 0.0 160.8
 176 86.7 0.0 154.6

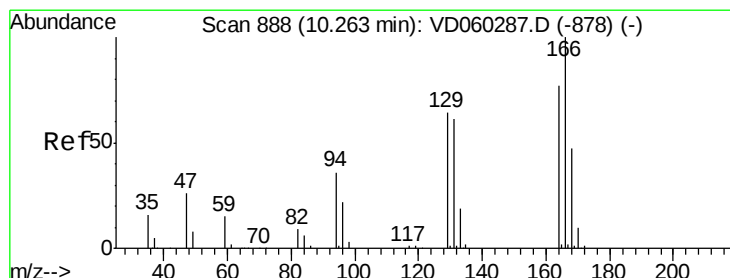
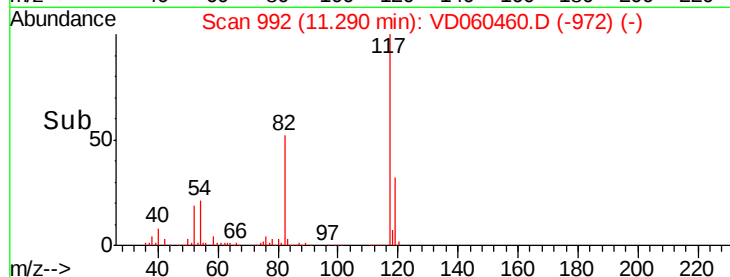
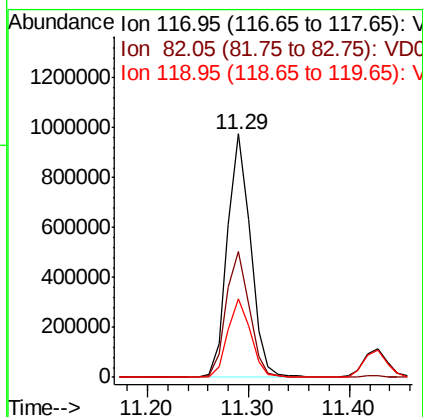
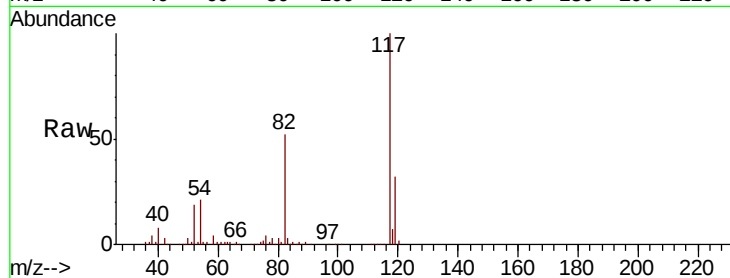




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.29 min Scan# 992
Delta R.T. -0.01 min
Lab File: VD060460.D
Acq: 29 Nov 2018 11:40

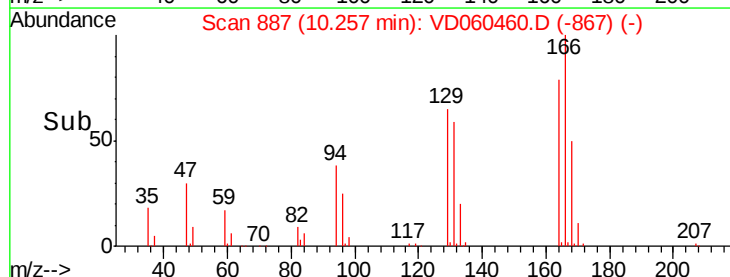
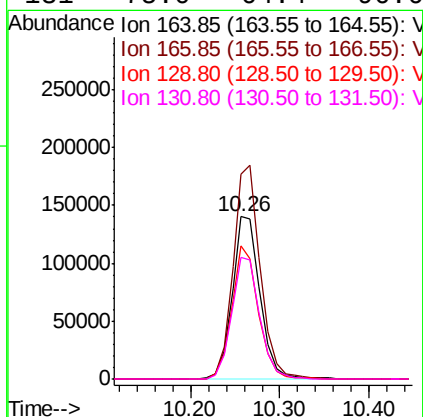
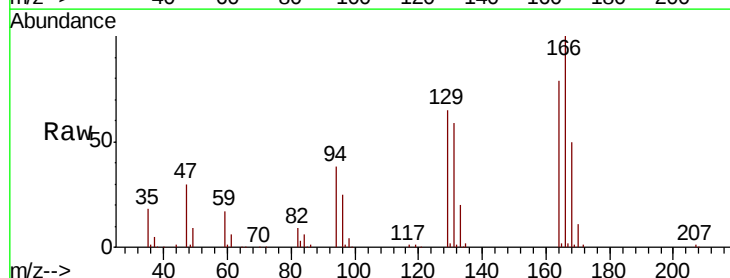
Instrument :
MSVOA_D
ClientSampleId :
VD1129SBS01

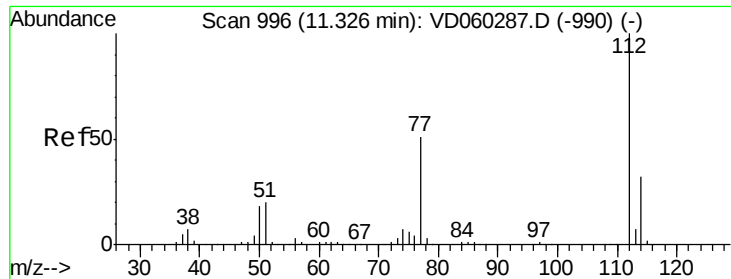
Tot Ion:117 Resp: 1550858
Ion Ratio Lower Upper
117 100
82 51.5 43.7 65.5
119 32.4 26.1 39.1



#64
Tetrachloroethene
Concen: 21.908 ug/l
RT: 10.26 min Scan# 887
Delta R.T. -0.01 min
Lab File: VD060460.D
Acq: 29 Nov 2018 11:40

Tgt Ion:164 Resp: 303322
Ion Ratio Lower Upper
164 100
166 126.2 103.7 155.5
129 82.3 65.6 98.4
131 75.0 64.4 96.6

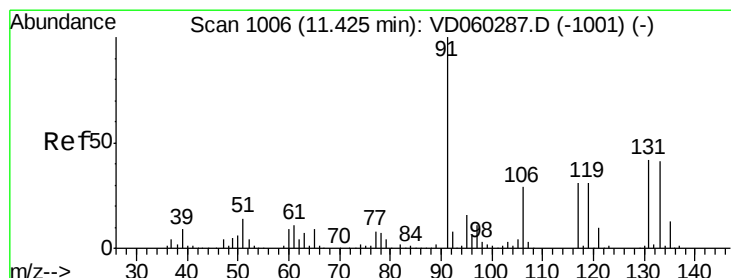
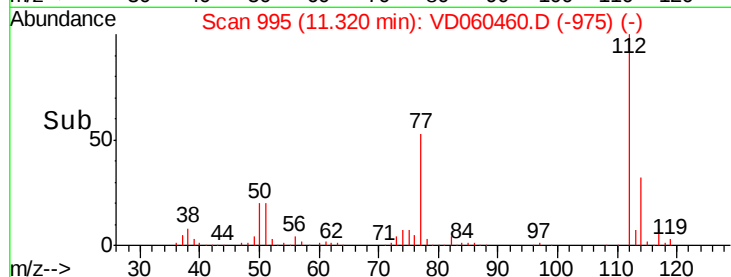
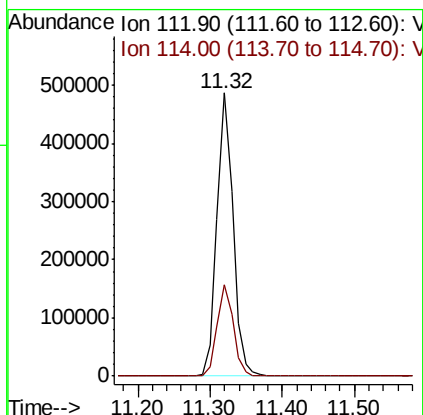
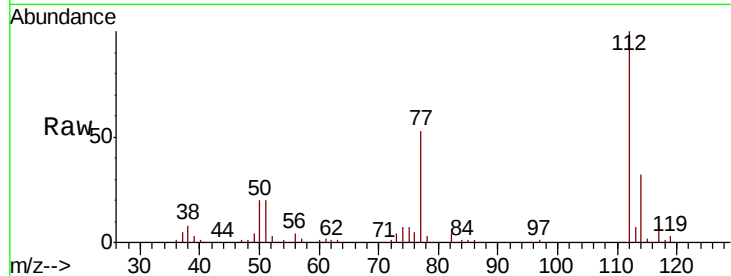




#65
Chlorobenzene
Concen: 22.171 ug/l
RT: 11.32 min Scan# 995
Delta R.T. -0.01 min
Lab File: VD060460.D
Acq: 29 Nov 2018 11:40

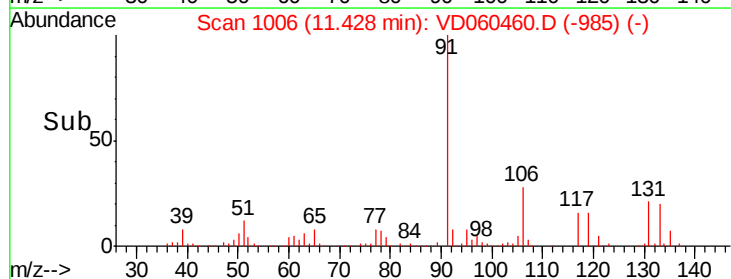
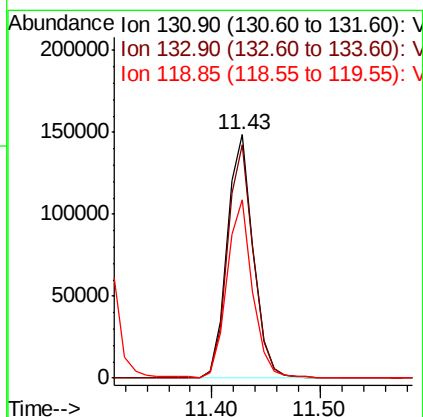
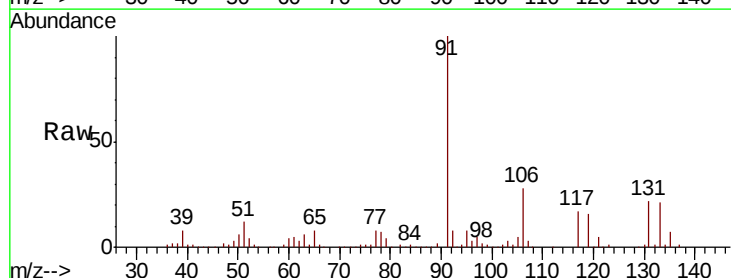
Instrument :
MSVOA_D
ClientSampleId :
VD1129SBS01

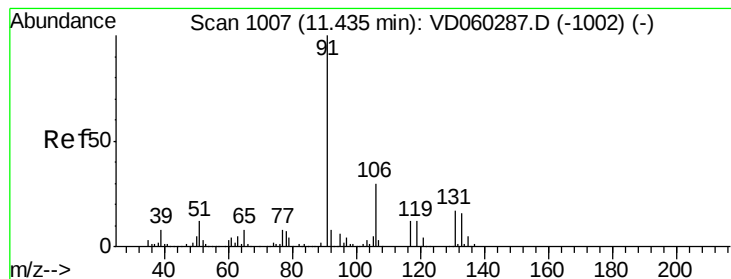
Tot Ion:112 Resp: 744995
Ion Ratio Lower Upper
112 100
114 32.1 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 22.602 ug/l
RT: 11.43 min Scan# 1006
Delta R.T. 0.00 min
Lab File: VD060460.D
Acq: 29 Nov 2018 11:40

Tgt Ion:131 Resp: 248499
Ion Ratio Lower Upper
131 100
133 95.7 50.0 150.0
119 73.1 37.0 111.1





#67

Ethyl Benzene

Concen: 22.861 ug/l

RT: 11.44 min Scan# 1007

Delta R.T. 0.00 min

Lab File: VD060460.D

Acq: 29 Nov 2018 11:40

Instrument :

MSVOA_D

ClientSampleId :

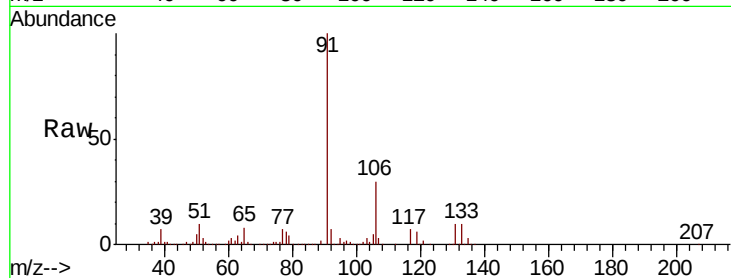
VD1129SBS01

Tot Ion: 91 Resp: 1314107

Ion Ratio Lower Upper

91 100

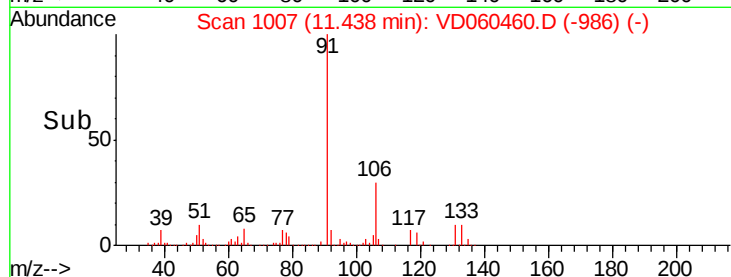
106 30.5 24.6 36.8



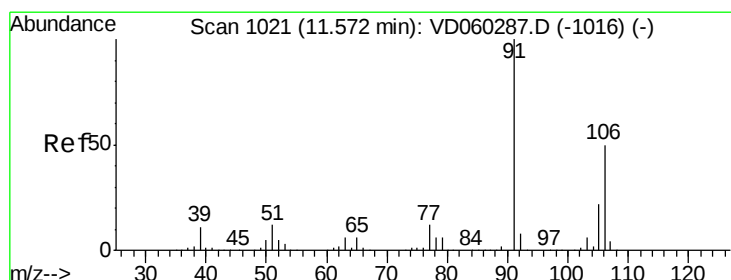
Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.05 (105.75 to 106.75): VDC

11.44



Time-->



#68

m/p-Xylenes

Concen: 44.938 ug/l

RT: 11.58 min Scan# 1021

Delta R.T. 0.00 min

Lab File: VD060460.D

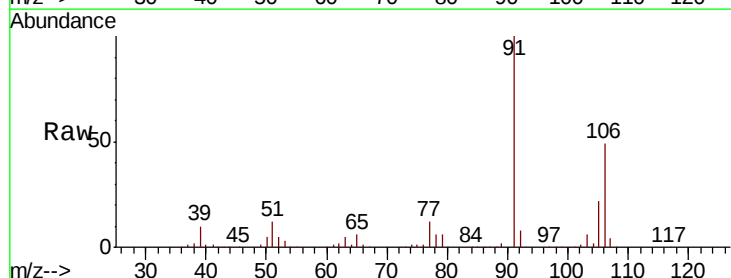
Acq: 29 Nov 2018 11:40

Tgt Ion: 106 Resp: 952880

Ion Ratio Lower Upper

106 100

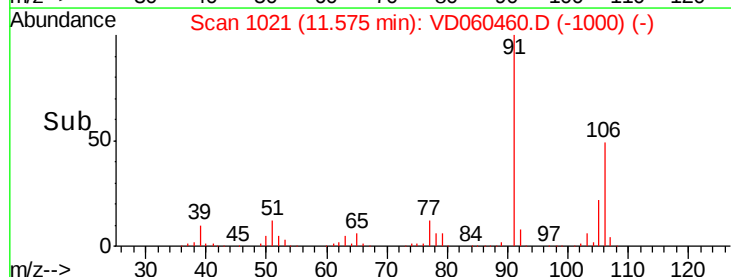
91 204.4 159.4 239.2



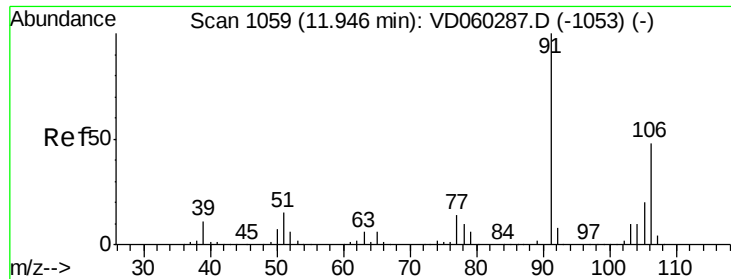
Abundance Ion 106.05 (105.75 to 106.75): VDC

Ion 91.00 (90.70 to 91.70): VDC

11.58



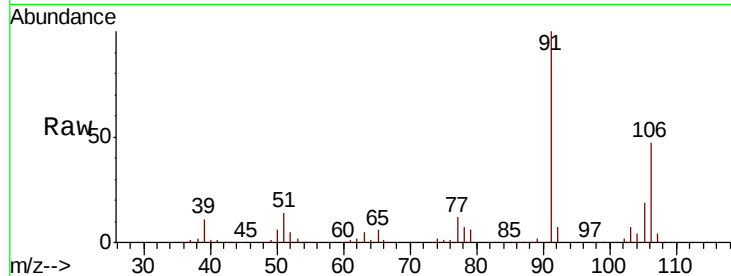
Time-->



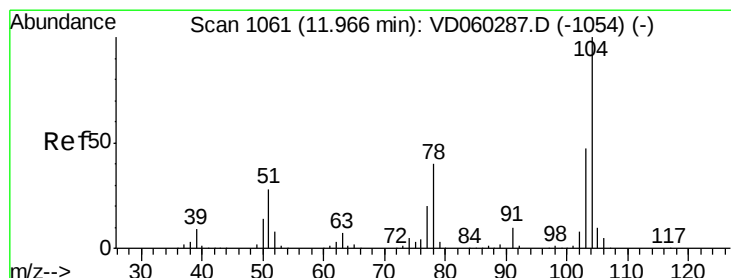
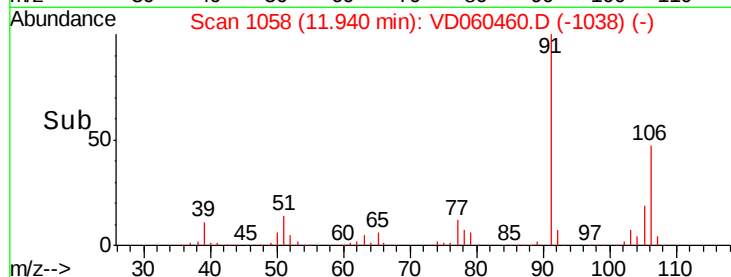
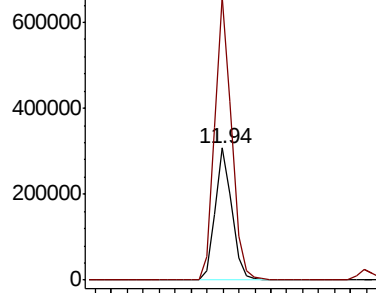
#69
o-Xylene
Concen: 21.918 ug/l
RT: 11.94 min Scan# 1058
Delta R.T. -0.01 min
Lab File: VD060460.D
Acq: 29 Nov 2018 11:40

Instrument :
MSVOA_D
ClientSampleId :
VD1129SBS01

Tot Ion:106 Resp: 448988
Ion Ratio Lower Upper
106 100
91 214.1 109.2 327.6

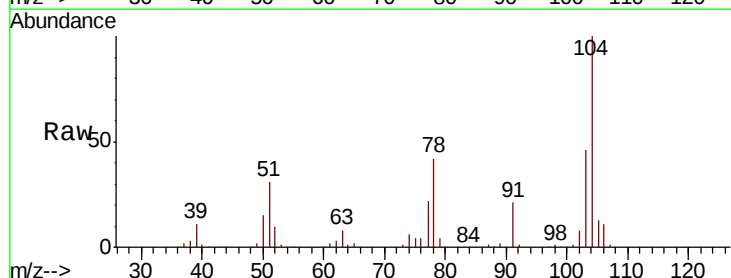


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

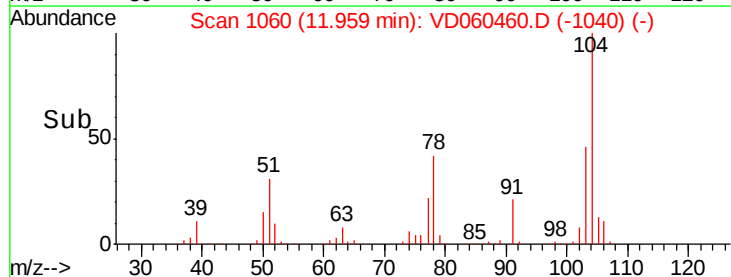
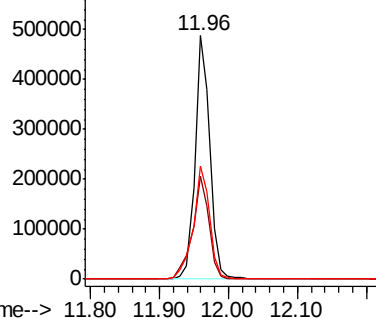


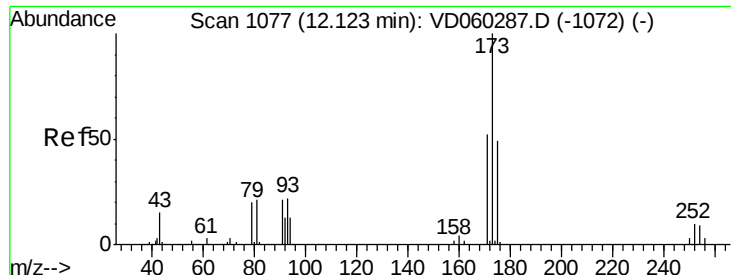
#70
Styrene
Concen: 21.776 ug/l
RT: 11.96 min Scan# 1060
Delta R.T. -0.01 min
Lab File: VD060460.D
Acq: 29 Nov 2018 11:40

Tgt Ion:104 Resp: 720912
Ion Ratio Lower Upper
104 100
78 42.3 31.6 47.4
103 46.5 37.0 55.6



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 21.222 ug/l

RT: 12.13 min Scan# 1077

Delta R.T. 0.00 min

Lab File: VD060460.D

Acq: 29 Nov 2018 11:40

Instrument :

MSVOA_D

ClientSampleId :

VD1129SBS01

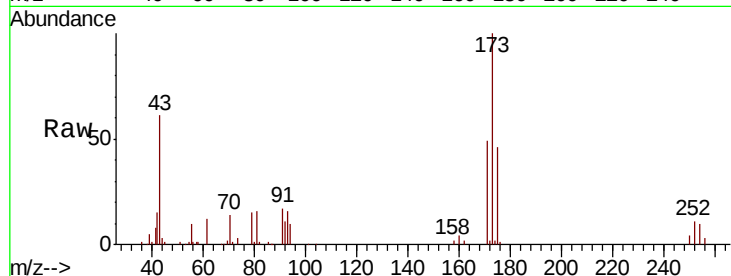
Tot Ion:173 Resp: 156785

Ion Ratio Lower Upper

173 100

175 45.6 24.3 73.0

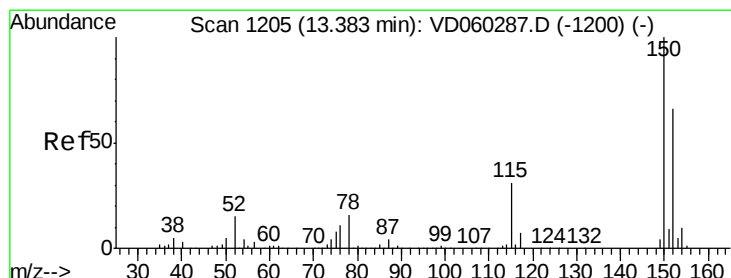
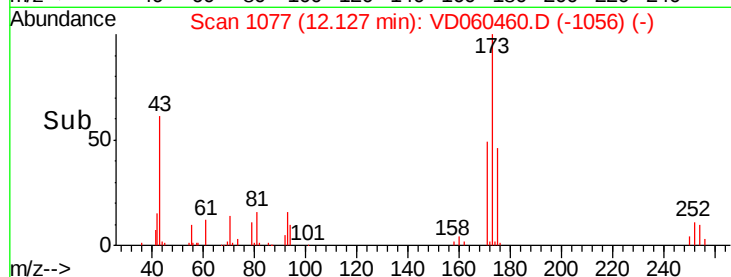
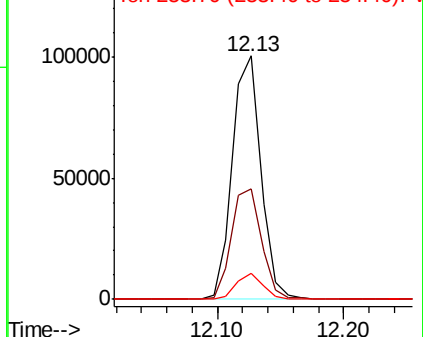
254 10.5 8.3 12.5



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.38 min Scan# 1204

Delta R.T. -0.01 min

Lab File: VD060460.D

Acq: 29 Nov 2018 11:40

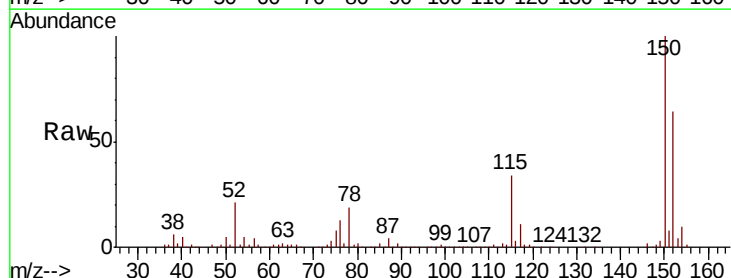
Tgt Ion:152 Resp: 747667

Ion Ratio Lower Upper

152 100

115 52.5 24.1 72.3

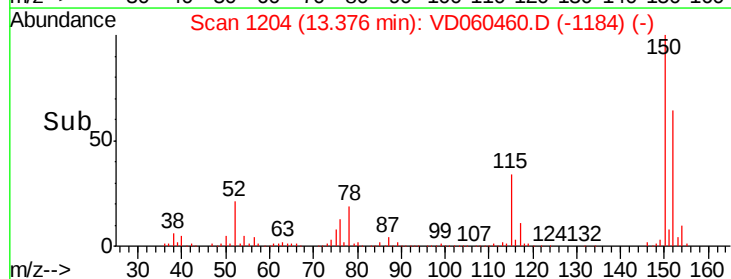
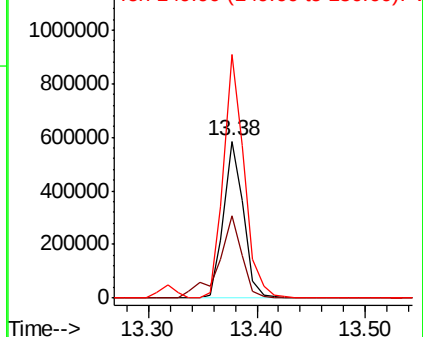
150 155.2 0.0 310.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V

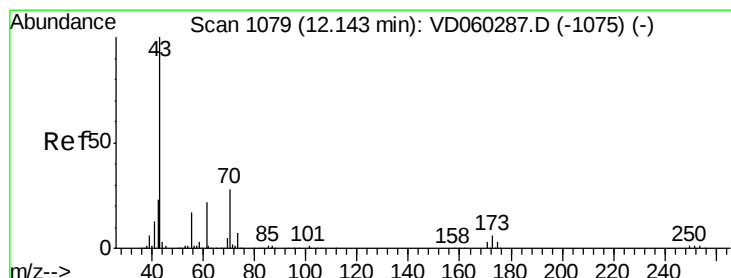
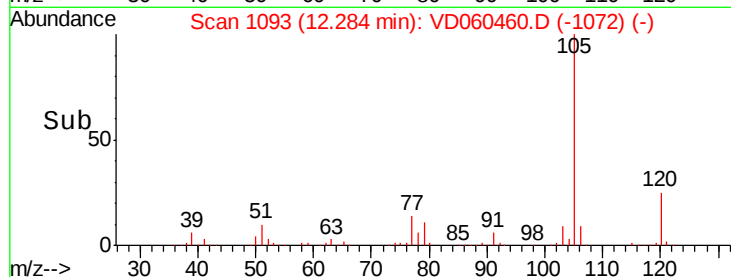
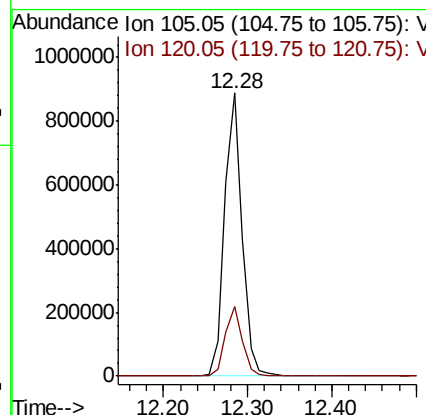
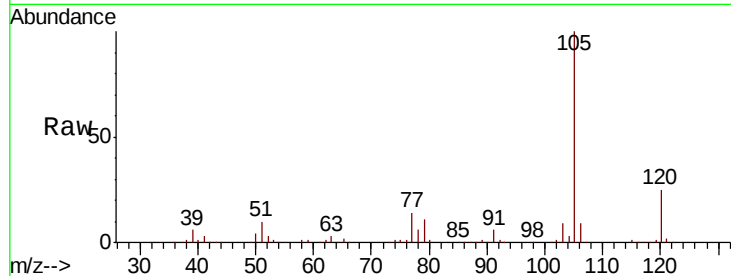




#73
Isopropylbenzene
Concen: 23.503 ug/l
RT: 12.28 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD060460.D
Acq: 29 Nov 2018 11:40

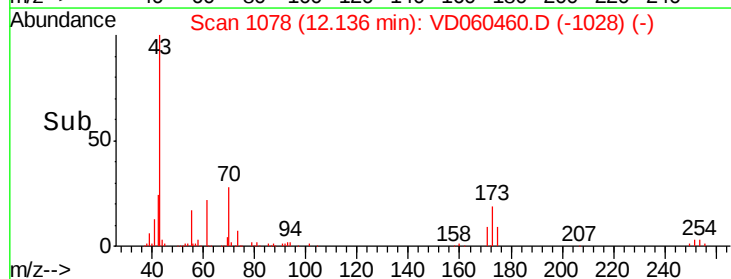
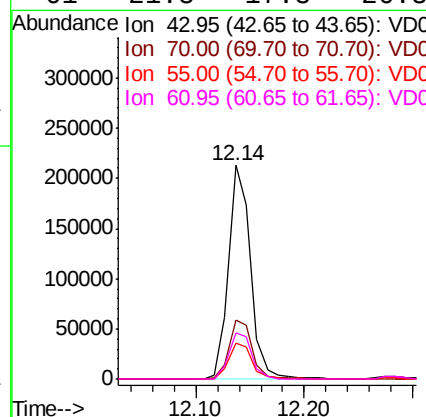
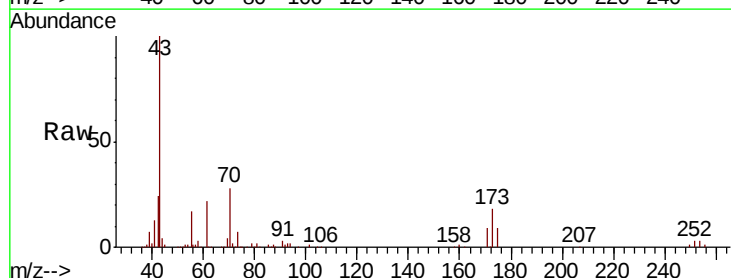
Instrument :
MSVOA_D
ClientSampleId :
VD1129SBS01

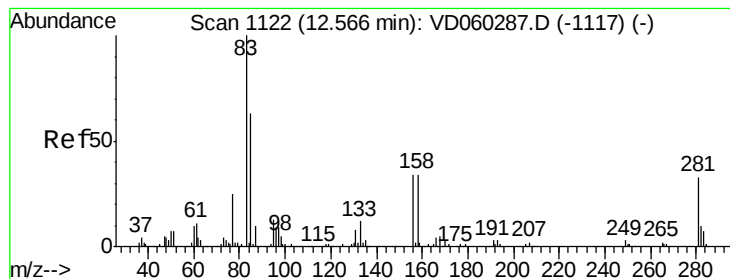
Tot Ion:105 Resp: 1280291
Ion Ratio Lower Upper
105 100
120 24.5 12.1 36.3



#74
N-ethyl acetate
Concen: 21.548 ug/l
RT: 12.14 min Scan# 1078
Delta R.T. -0.01 min
Lab File: VD060460.D
Acq: 29 Nov 2018 11:40

Tgt Ion: 43 Resp: 300937
Ion Ratio Lower Upper
43 100
70 27.6 23.0 34.4
55 17.1 14.2 21.4
61 21.8 17.8 26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 22.030 ug/l

RT: 12.57 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VD060460.D

Acq: 29 Nov 2018 11:40

Instrument :

MSVOA_D

ClientSampleId :

VD1129SBS01

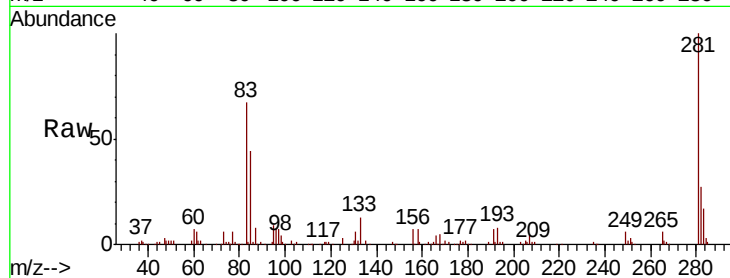
Tot Ion: 83 Resp: 196263

Ion Ratio Lower Upper

83 100

131 9.6 3.9 11.5

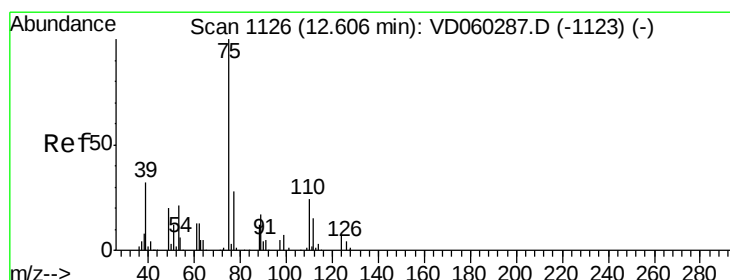
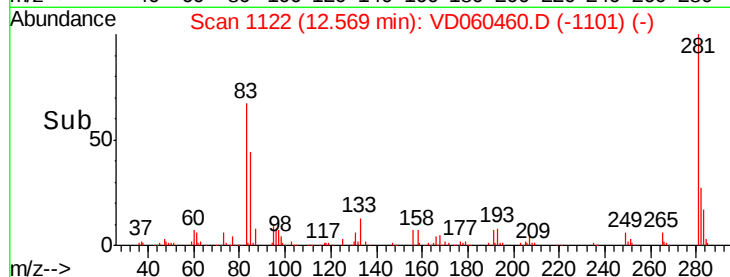
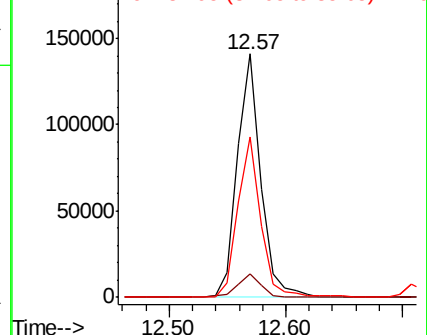
85 66.1 32.0 96.0



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 21.705 ug/l

RT: 12.60 min Scan# 1125

Delta R.T. -0.01 min

Lab File: VD060460.D

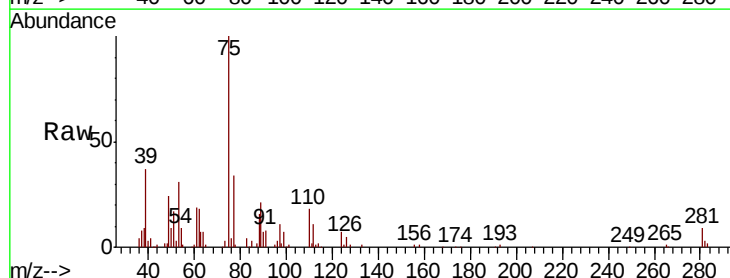
Acq: 29 Nov 2018 11:40

Tgt Ion: 75 Resp: 194127

Ion Ratio Lower Upper

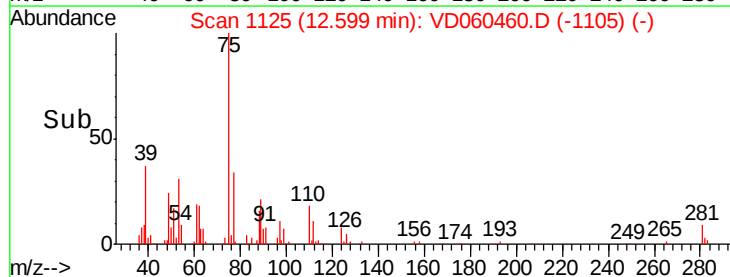
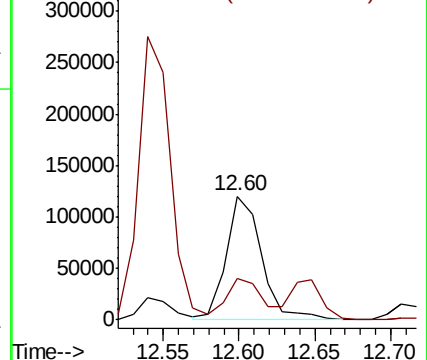
75 100

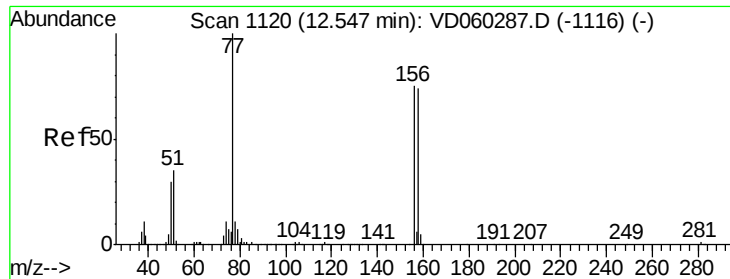
77 33.8 16.4 49.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

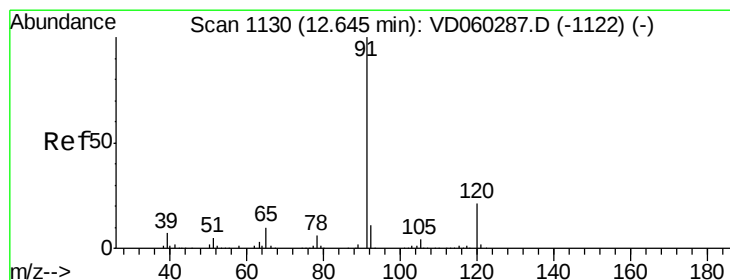
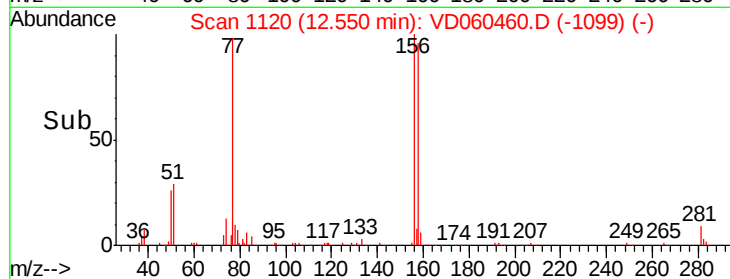
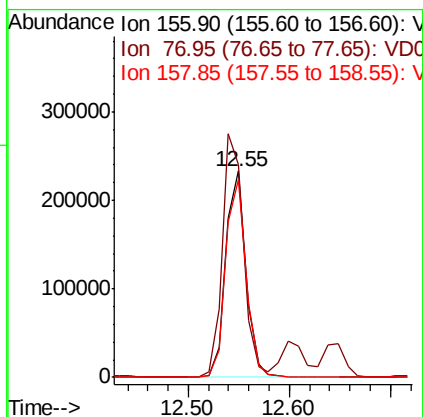
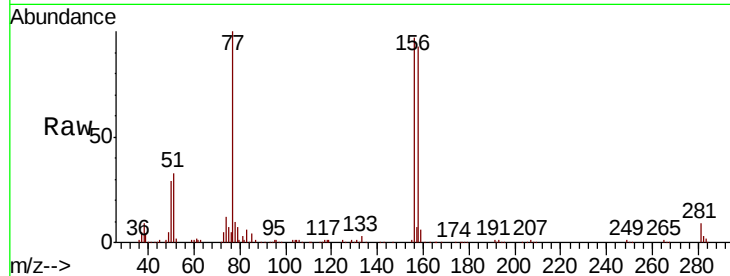




#77
Bromobenzene
Concen: 22.512 ug/l
RT: 12.55 min Scan# 1120
Delta R.T. 0.00 min
Lab File: VD060460.D
Acq: 29 Nov 2018 11:40

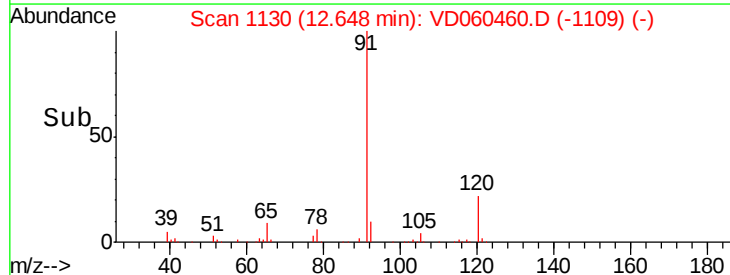
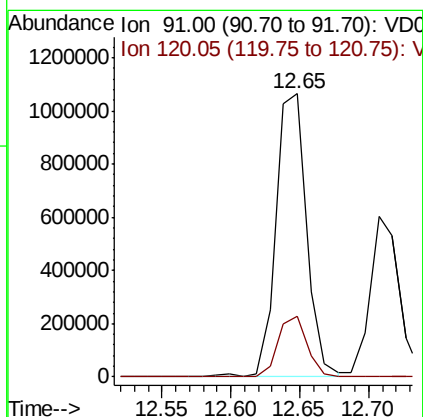
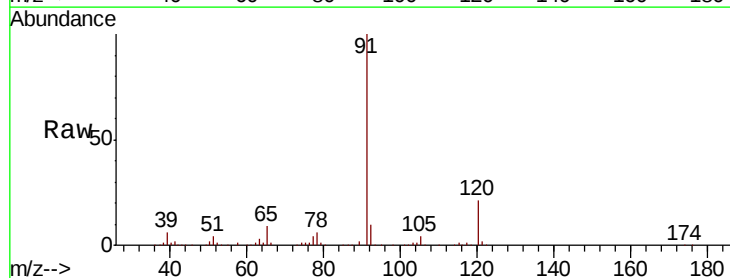
Instrument :
MSVOA_D
ClientSampleId :
VD1129SBS01

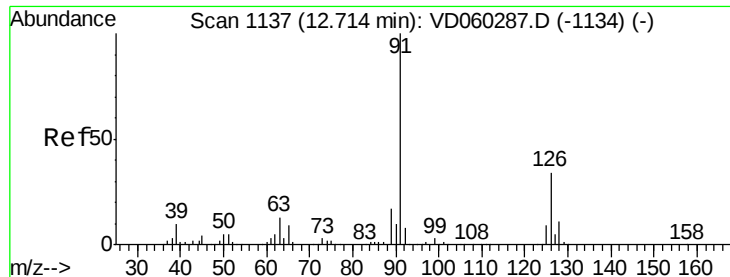
Tot Ion:156 Resp: 325732
Ion Ratio Lower Upper
156 100
77 103.2 61.2 183.6
158 96.1 49.2 147.6



#78
n-propylbenzene
Concen: 23.935 ug/l
RT: 12.65 min Scan# 1130
Delta R.T. 0.00 min
Lab File: VD060460.D
Acq: 29 Nov 2018 11:40

Tgt Ion: 91 Resp: 1627434
Ion Ratio Lower Upper
91 100
120 21.5 10.4 31.4

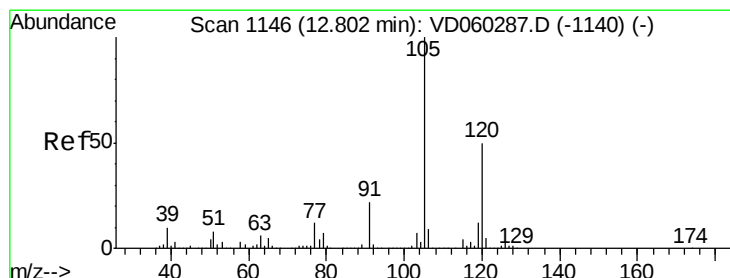
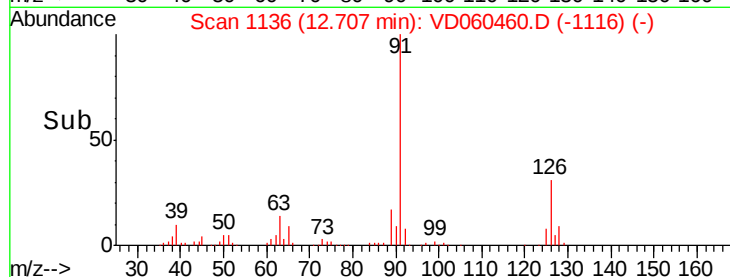
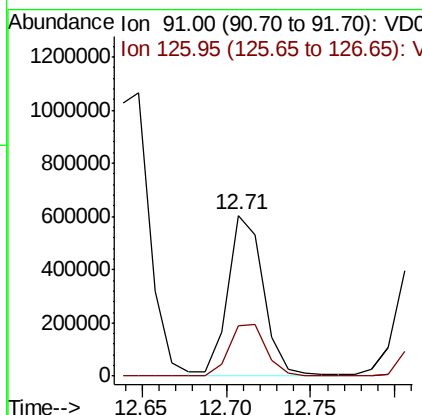
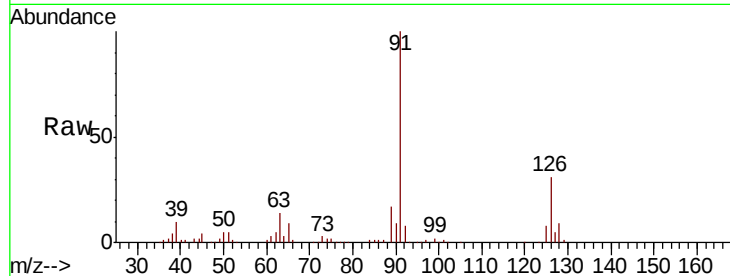




#79
2-Chlorotoluene
Concen: 23.810 ug/l
RT: 12.71 min Scan# 1136
Delta R.T. -0.01 min
Lab File: VD060460.D
Acq: 29 Nov 2018 11:40

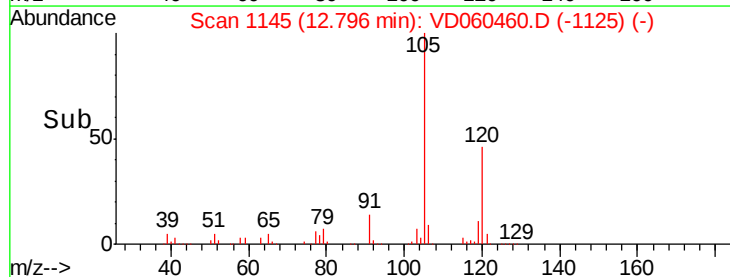
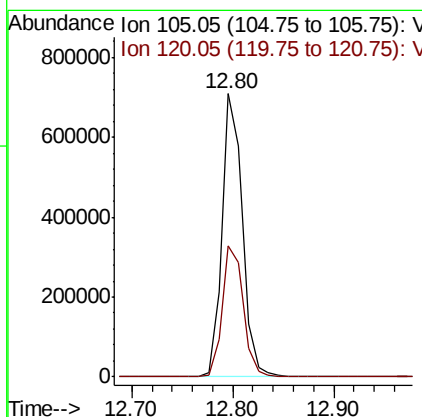
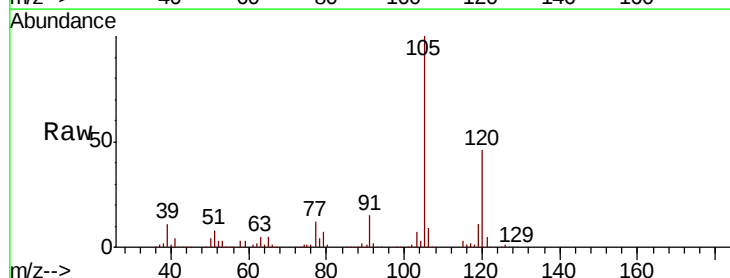
Instrument :
MSVOA_D
ClientSampleId :
VD1129SBS01

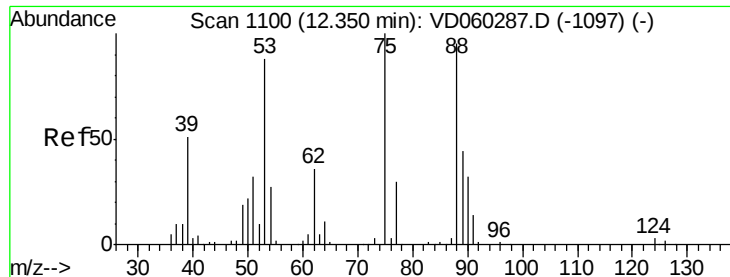
Tot Ion: 91 Resp: 886650
Ion Ratio Lower Upper
91 100
126 31.3 17.4 52.2



#80
1,3,5-Trimethylbenzene
Concen: 23.472 ug/l
RT: 12.80 min Scan# 1145
Delta R.T. -0.01 min
Lab File: VD060460.D
Acq: 29 Nov 2018 11:40

Tgt Ion:105 Resp: 993672
Ion Ratio Lower Upper
105 100
120 46.2 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 21.739 ug/l

RT: 12.34 min Scan# 1099

Delta R.T. -0.01 min

Lab File: VD060460.D

Acq: 29 Nov 2018 11:40

Instrument :

MSVOA_D

ClientSampleId :

VD1129SBS01

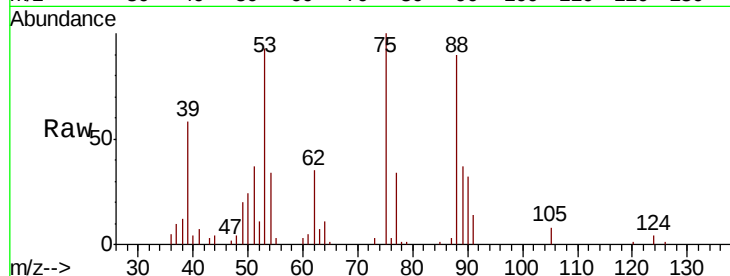
Tot Ion: 75 Resp: 55353

Ion Ratio Lower Upper

75 100

53 92.8 68.6 103.0

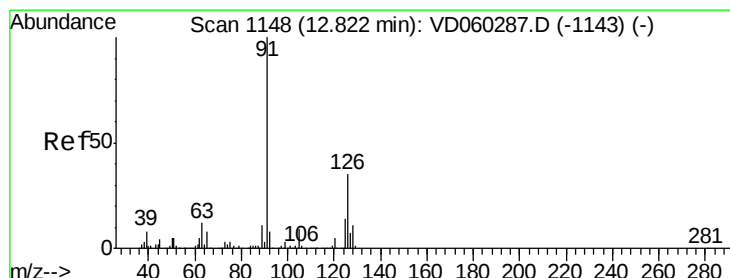
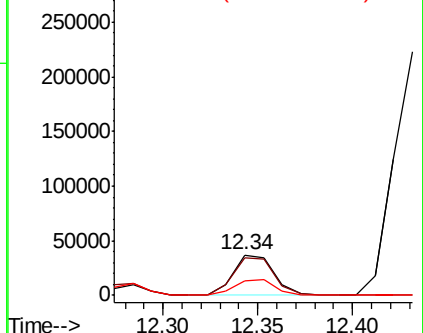
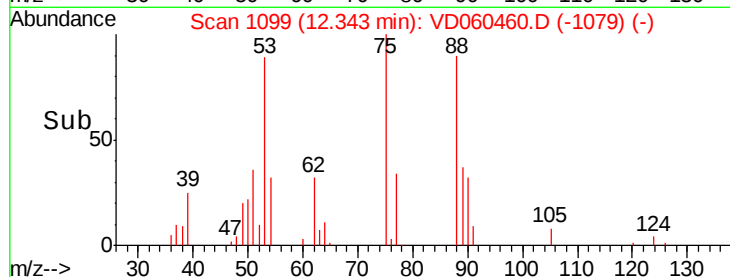
89 37.1 34.1 51.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 23.902 ug/l

RT: 12.82 min Scan# 1147

Delta R.T. -0.01 min

Lab File: VD060460.D

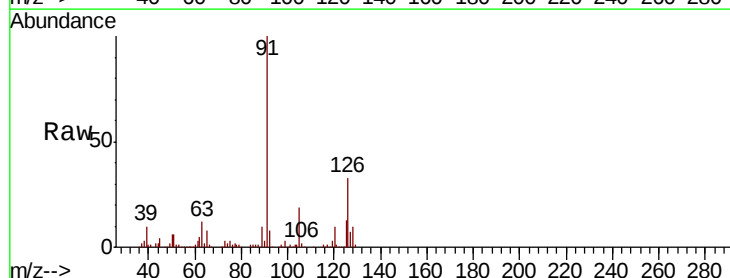
Acq: 29 Nov 2018 11:40

Tgt Ion: 91 Resp: 999861

Ion Ratio Lower Upper

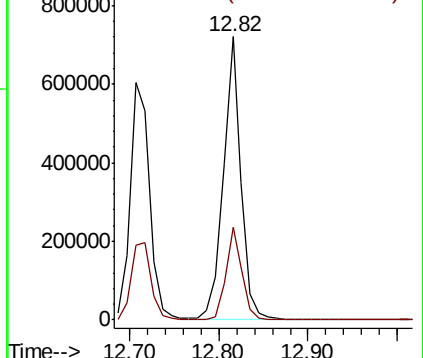
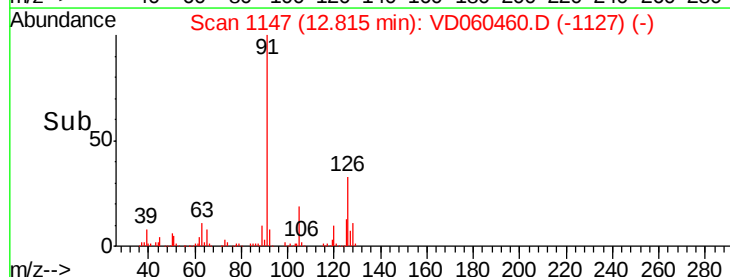
91 100

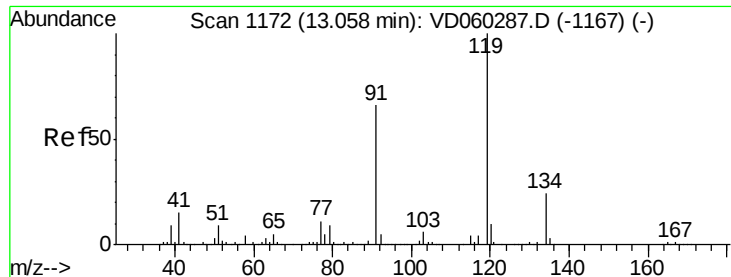
126 32.6 14.8 44.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 23.863 ug/l

RT: 13.05 min Scan# 1171

Delta R.T. -0.01 min

Lab File: VD060460.D

Acq: 29 Nov 2018 11:40

Instrument :

MSVOA_D

ClientSampleId :

VD1129SBS01

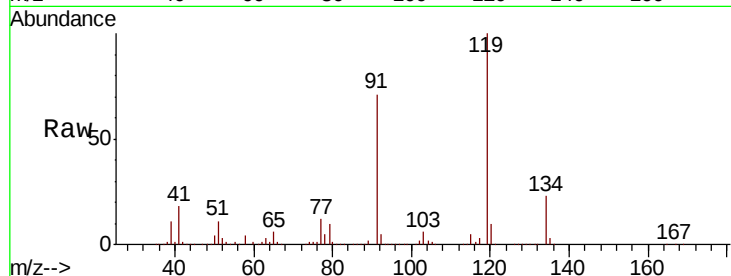
Tot Ion:119 Resp: 1121577

Ion Ratio Lower Upper

119 100

91 70.9 32.7 98.1

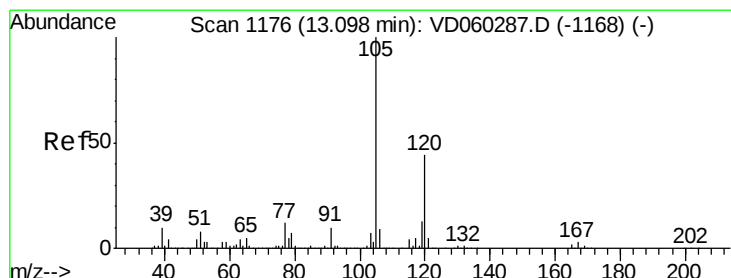
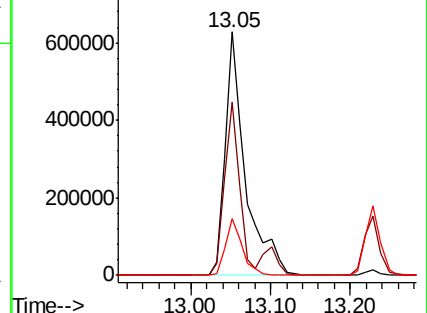
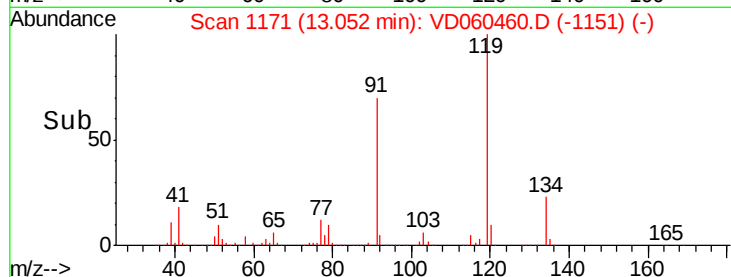
134 23.4 12.1 36.3



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): VD

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 23.679 ug/l

RT: 13.10 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VD060460.D

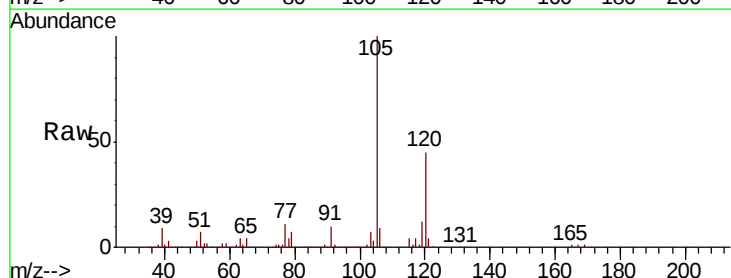
Acq: 29 Nov 2018 11:40

Tgt Ion:105 Resp: 1001103

Ion Ratio Lower Upper

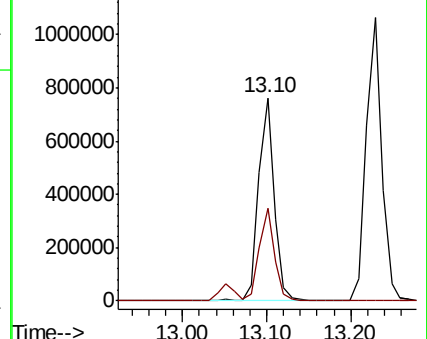
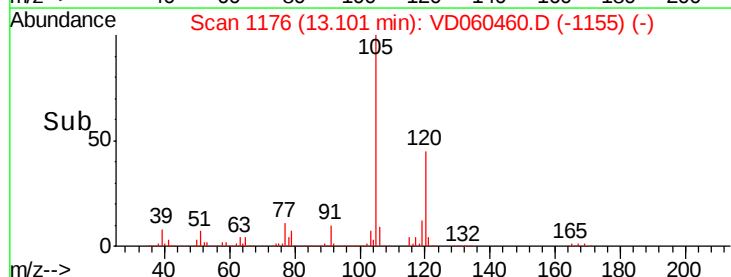
105 100

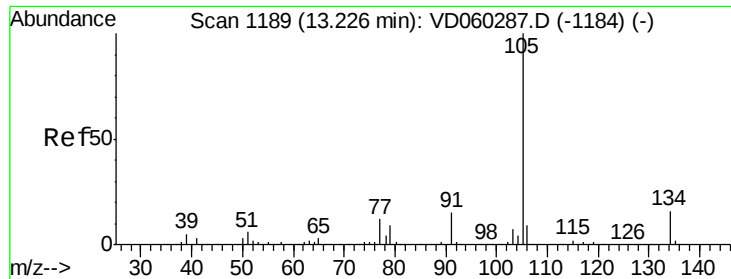
120 45.5 21.9 65.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 23.592 ug/l

RT: 13.23 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VD060460.D

Acq: 29 Nov 2018 11:40

Instrument :

MSVOA_D

ClientSampleId :

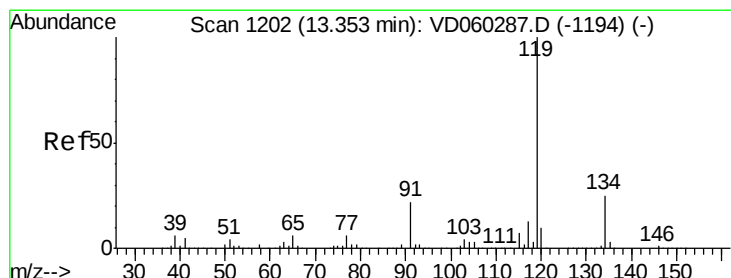
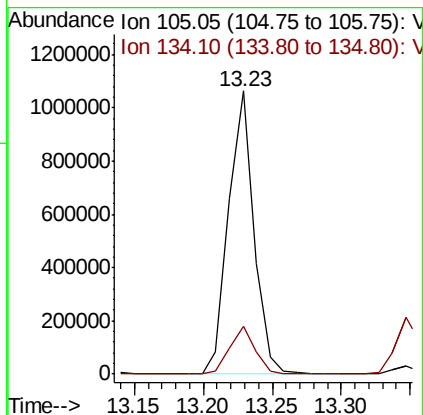
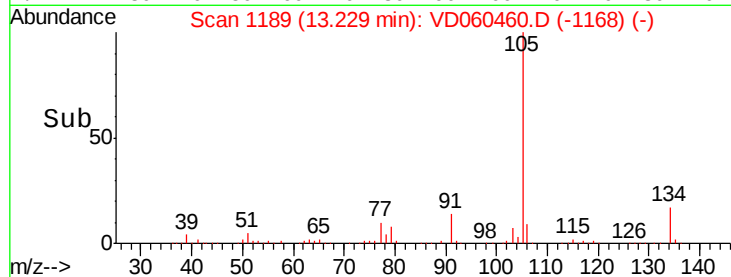
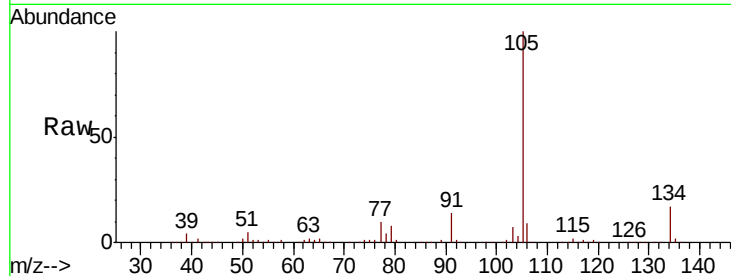
VD1129SBS01

Tot Ion:105 Resp: 1360375

Ion Ratio Lower Upper

105 100

134 17.0 8.0 24.0



#86

p-Isopropyltoluene

Concen: 23.689 ug/l

RT: 13.35 min Scan# 1201

Delta R.T. -0.01 min

Lab File: VD060460.D

Acq: 29 Nov 2018 11:40

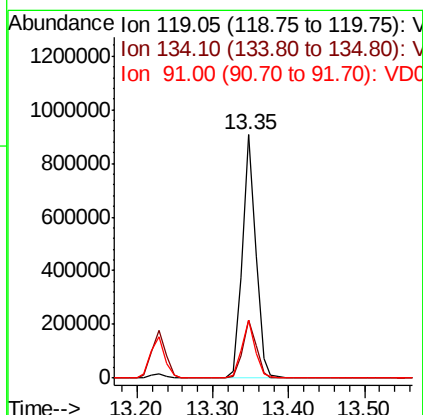
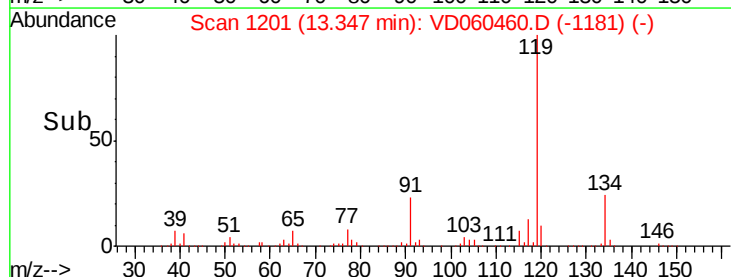
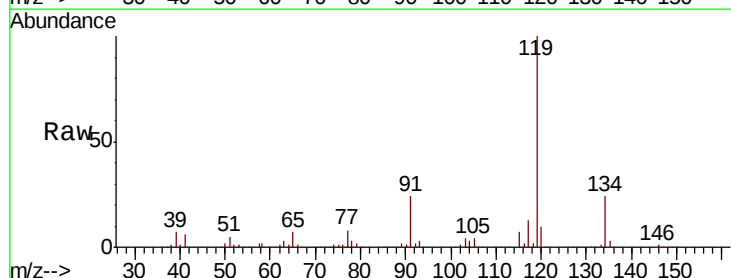
Tgt Ion:119 Resp: 1100034

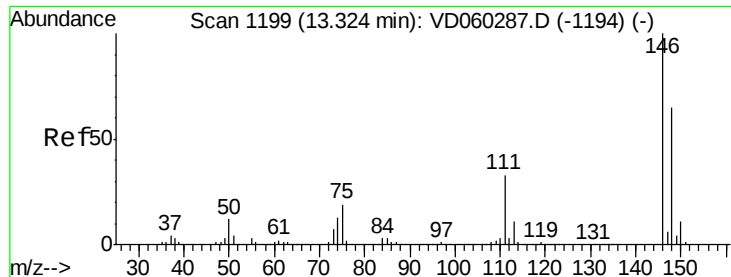
Ion Ratio Lower Upper

119 100

134 23.8 12.9 38.6

91 23.6 11.3 33.8

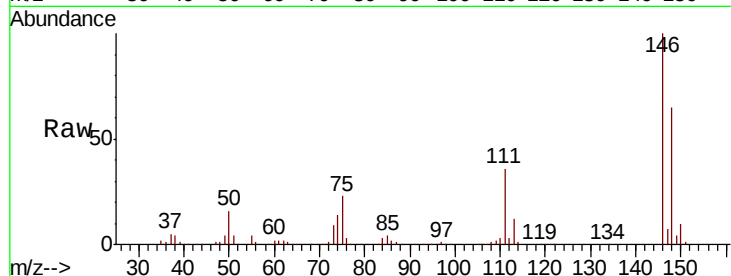




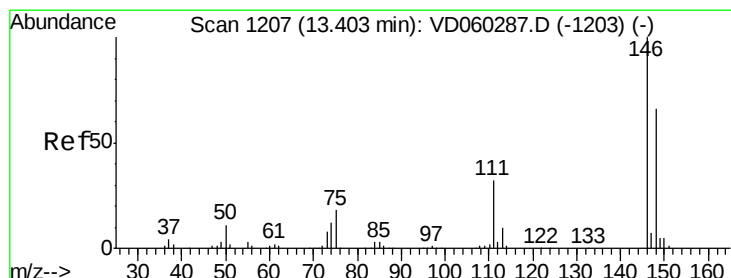
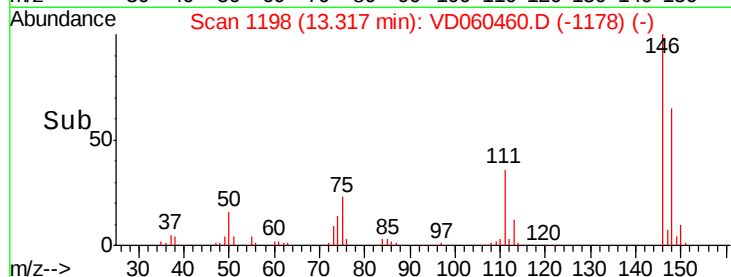
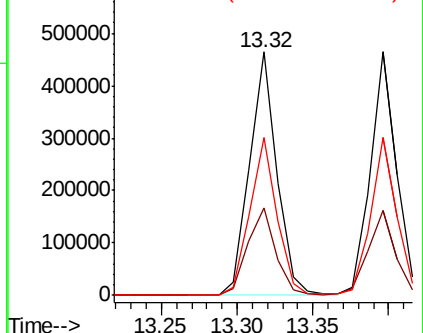
#87
 1,3-Dichlorobenzene
 Concen: 22.648 ug/l
 RT: 13.32 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: VD060460.D
 Acq: 29 Nov 2018 11:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1129SBS01

Tot Ion:146 Resp: 583022
 Ion Ratio Lower Upper
 146 100
 111 36.1 20.2 60.5
 148 64.7 32.0 96.0

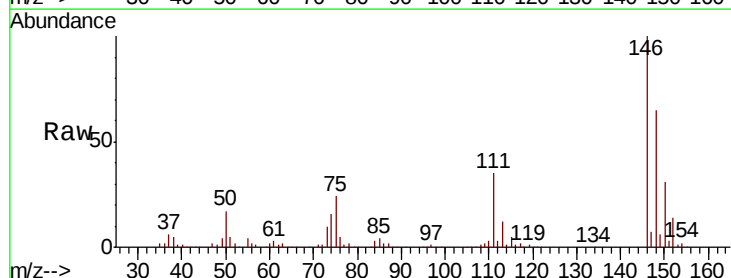


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

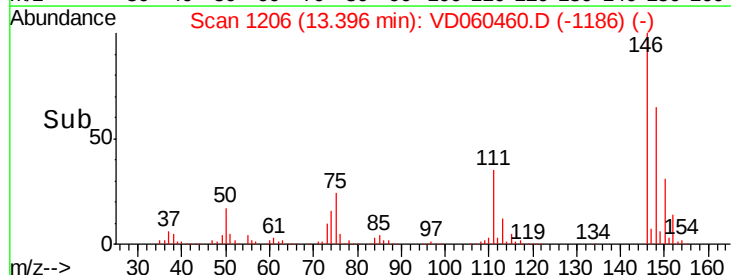
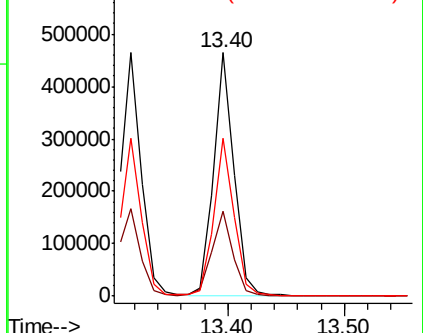


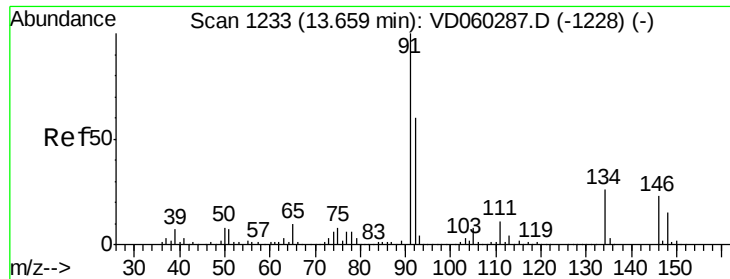
#88
 1,4-Dichlorobenzene
 Concen: 22.325 ug/l
 RT: 13.40 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: VD060460.D
 Acq: 29 Nov 2018 11:40

Tgt Ion:146 Resp: 561299
 Ion Ratio Lower Upper
 146 100
 111 34.8 16.0 47.9
 148 64.8 32.9 98.7



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

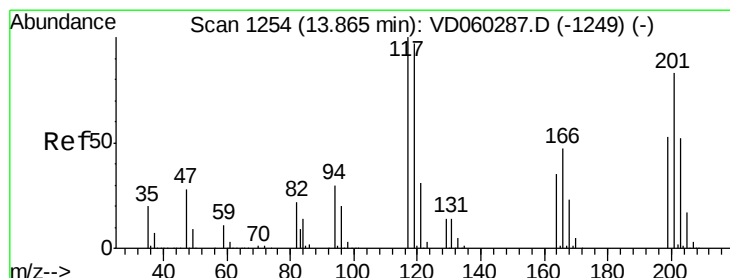
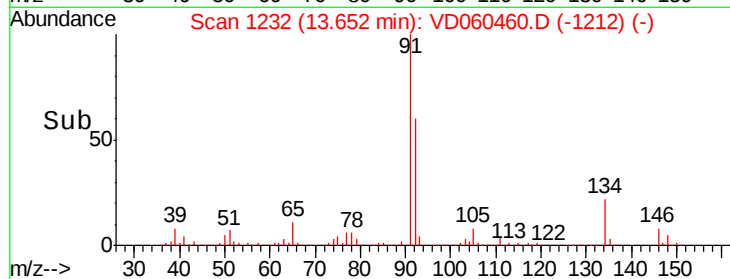
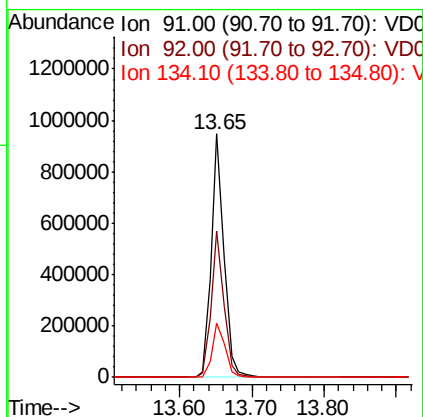
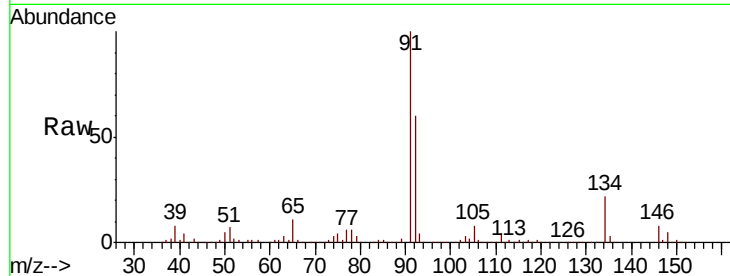




#89
n-Butylbenzene
Concen: 22.903 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD060460.D
Acq: 29 Nov 2018 11:40

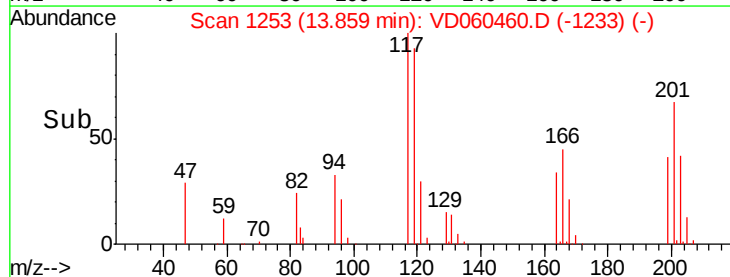
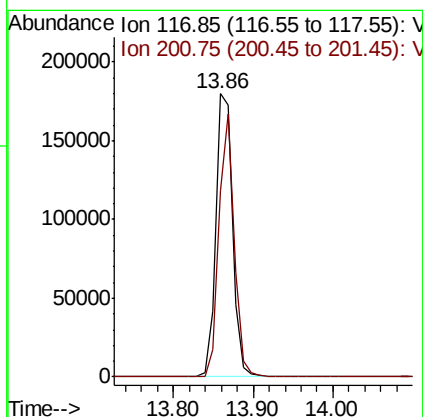
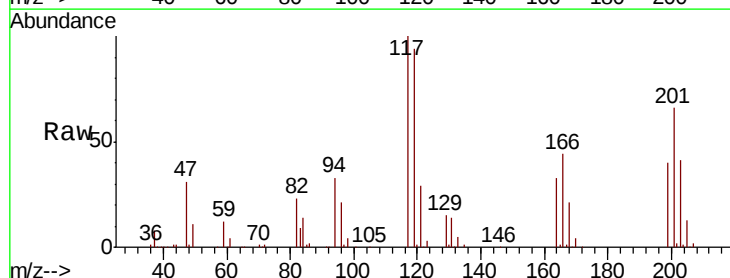
Instrument :
MSVOA_D
ClientSampleId :
VD1129SBS01

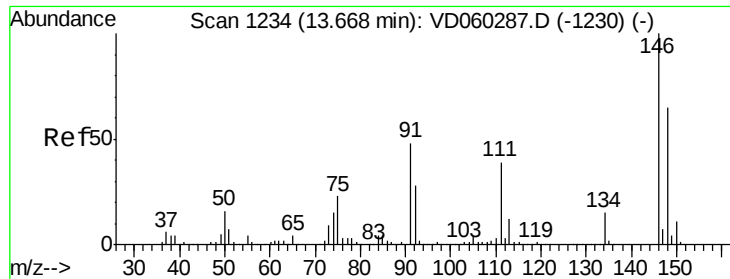
Tot Ion: 91 Resp: 1152465
Ion Ratio Lower Upper
91 100
92 60.0 30.3 90.9
134 22.0 13.0 38.9



#90
Hexachloroethane
Concen: 24.387 ug/l
RT: 13.86 min Scan# 1253
Delta R.T. -0.01 min
Lab File: VD060460.D
Acq: 29 Nov 2018 11:40

Tgt Ion: 117 Resp: 268526
Ion Ratio Lower Upper
117 100
201 65.9 40.1 120.3





#91

1,2-Dichlorobenzene

Concen: 23.874 ug/l

RT: 13.66 min Scan# 1233

Delta R.T. -0.01 min

Lab File: VD060460.D

Acq: 29 Nov 2018 11:40

Instrument :

MSVOA_D

ClientSampleId :

VD1129SBS01

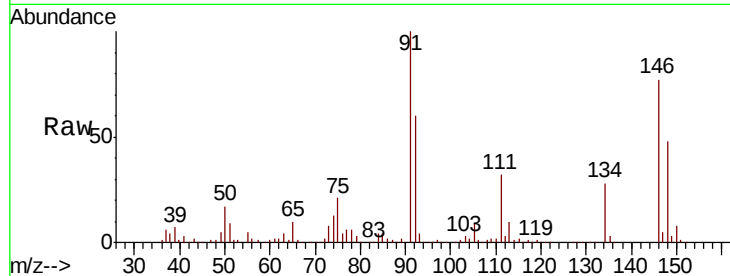
Tot Ion:146 Resp: 504805

Ion Ratio Lower Upper

146 100

111 41.4 18.9 56.9

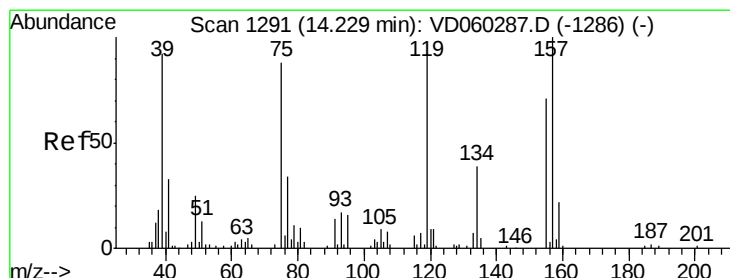
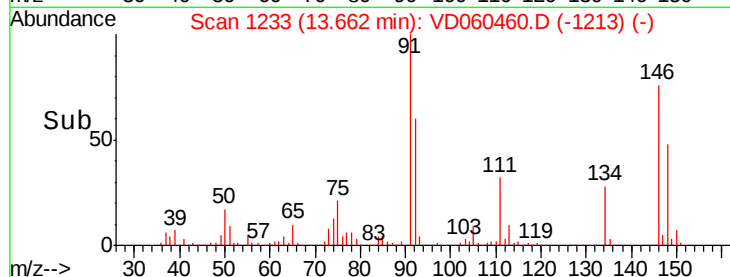
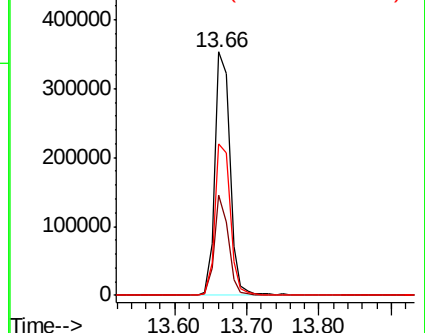
148 62.4 31.6 94.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 22.401 ug/l

RT: 14.23 min Scan# 1291

Delta R.T. 0.00 min

Lab File: VD060460.D

Acq: 29 Nov 2018 11:40

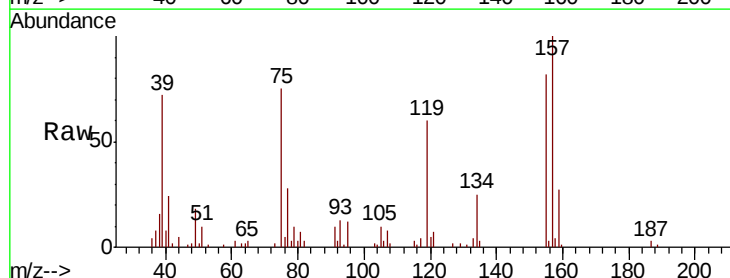
Tgt Ion: 75 Resp: 24090

Ion Ratio Lower Upper

75 100

155 110.1 64.3 192.9

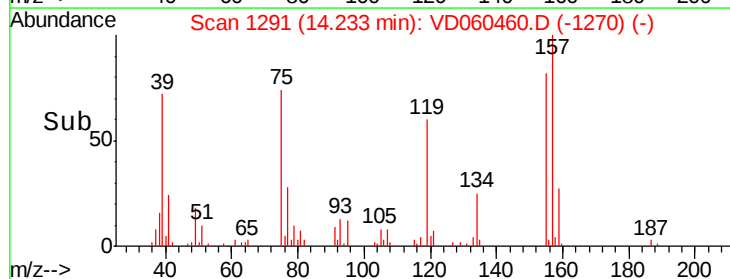
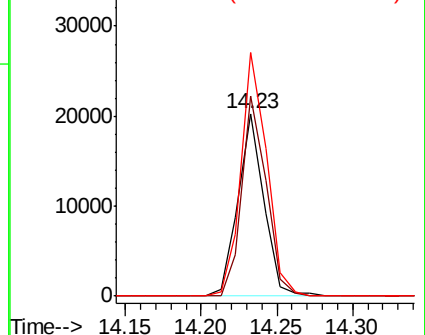
157 133.6 81.0 243.1

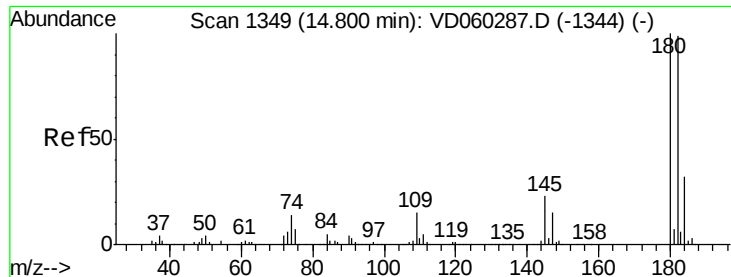


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

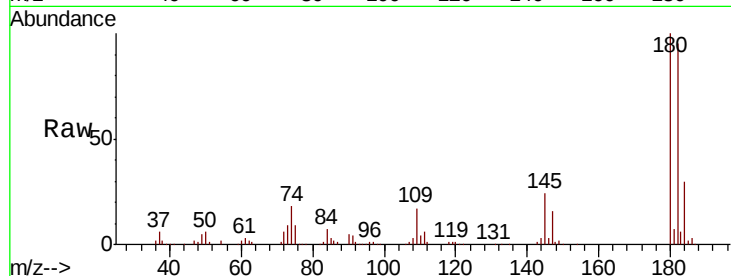




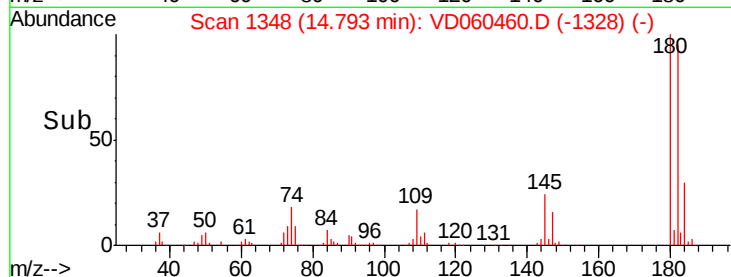
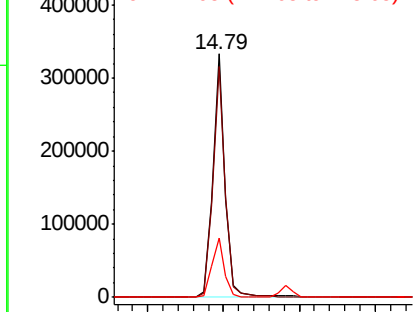
#93
 1,2,4-Trichlorobenzene
 Concen: 22.785 ug/l
 RT: 14.79 min Scan# 1348
 Delta R.T. -0.01 min
 Lab File: VD060460.D
 Acq: 29 Nov 2018 11:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1129SBS01

Tot Ion:180 Resp: 381990
 Ion Ratio Lower Upper
 180 100
 182 94.9 48.1 144.4
 145 24.5 11.5 34.4

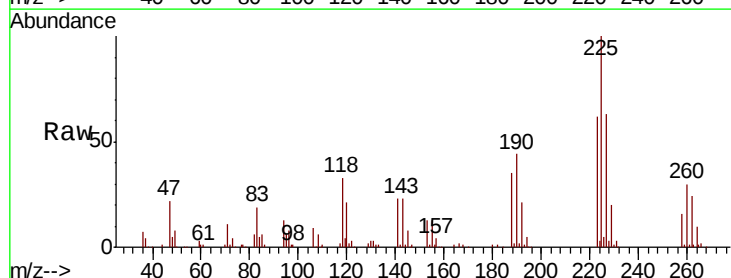


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

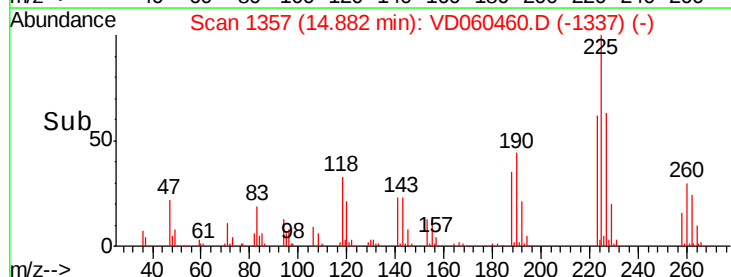
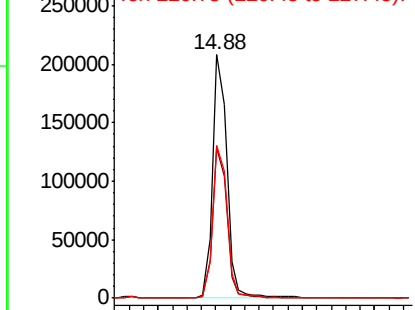


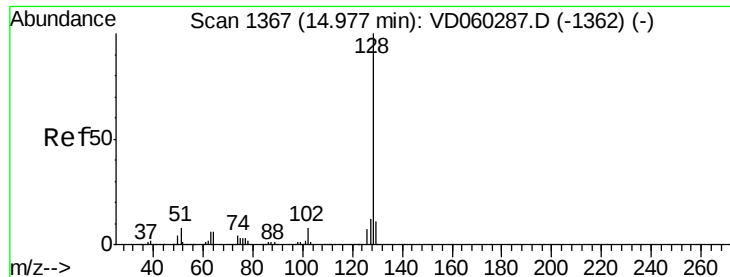
#94
 Hexachlorobutadiene
 Concen: 22.742 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. -0.01 min
 Lab File: VD060460.D
 Acq: 29 Nov 2018 11:40

Tgt Ion:225 Resp: 285184
 Ion Ratio Lower Upper
 225 100
 223 61.8 31.6 94.8
 227 62.9 32.3 96.9



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V





#95

Naphthalene

Concen: 21.685 ug/l

RT: 14.97 min Scan# 1366

Delta R.T. -0.01 min

Lab File: VD060460.D

Acq: 29 Nov 2018 11:40

Instrument :

MSVOA_D

ClientSampleId :

VD1129SBS01

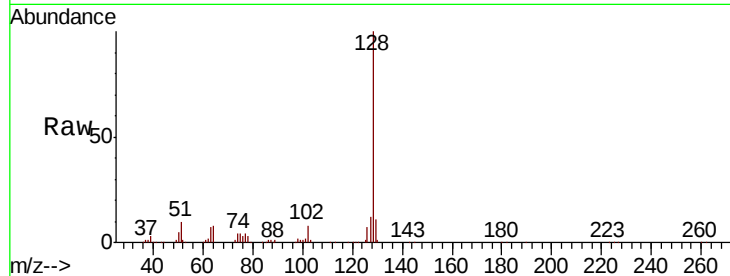
Tot Ion:128 Resp: 443923

Ion Ratio Lower Upper

128 100

127 11.9 9.6 14.4

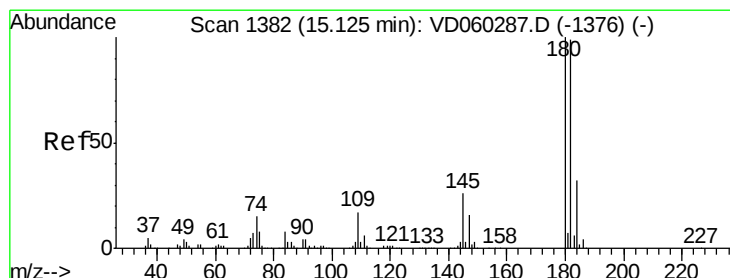
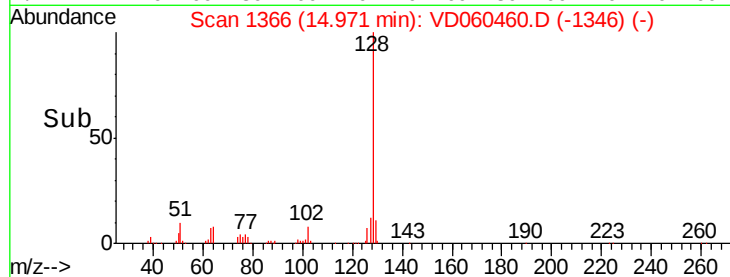
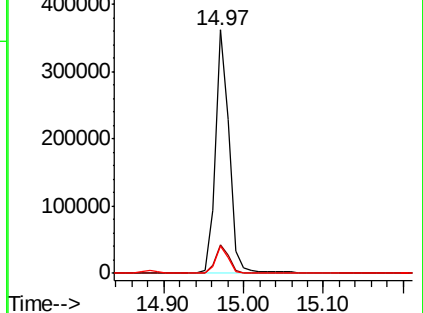
129 11.0 8.6 12.8



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: 23.218 ug/l

RT: 15.12 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VD060460.D

Acq: 29 Nov 2018 11:40

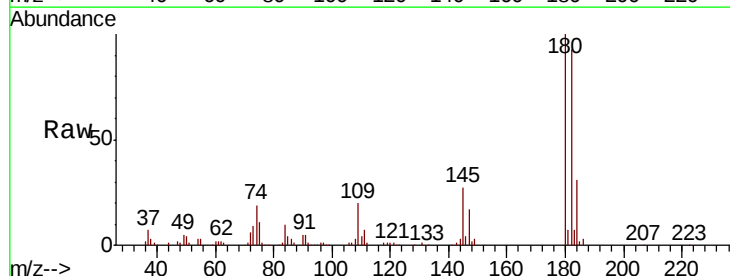
Tgt Ion:180 Resp: 311912

Ion Ratio Lower Upper

180 100

182 93.5 48.9 146.7

145 27.1 12.9 38.6



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

