

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120418\
 Data File : VD060483.D
 Acq On : 4 Dec 2018 13:14
 Operator : VA/AP
 Sample : VD1204SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1204SBS01

Quant Time: Dec 05 02:24:16 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	6.41	168	1296727	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.44	114	1764973	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.29	117	1382883	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	709346	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.79	65	525557	56.60	ug/l	0.00
Spiked Amount			Recovery	=	113.20%	
35) Dibromofluoromethane	6.33	113	789400	59.98	ug/l	0.00
Spiked Amount			Recovery	=	119.96%	
50) Toluene-d8	9.46	98	2154387	55.93	ug/l	0.00
Spiked Amount			Recovery	=	111.86%	
62) 4-Bromofluorobenzene	12.43	95	793980	56.88	ug/l	0.00
Spiked Amount			Recovery	=	113.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.60	85	250214	22.038	ug/l	98
3) Chloromethane	1.76	50	247950	20.186	ug/l	97
4) Vinyl Chloride	1.85	62	211768	21.111	ug/l	100
5) Bromomethane	2.15	94	39206	16.474	ug/l	99
6) Chloroethane	2.26	64	59581	17.901	ug/l	95
7) Trichlorofluoromethane	2.51	101	250650	21.194	ug/l	98
8) Diethyl Ether	2.84	74	46472	21.704	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.09	101	175967	22.622	ug/l	97
10) Methyl Iodide	3.25	142	191825	18.987	ug/l	96
11) Tert butyl alcohol	3.98	59	41166	107.972	ug/l #	90
12) 1,1-Dichloroethene	3.08	96	140718	22.240	ug/l	92
13) Acrolein	2.99	56	30368	67.408	ug/l	90
14) Allyl chloride	3.54	41	261414	21.593	ug/l	100
15) Acrylonitrile	4.10	53	257153	115.661	ug/l	98
16) Acetone	3.16	43	187524	116.435	ug/l	99
17) Carbon Disulfide	3.32	76	393998	19.292	ug/l	99
18) Methyl Acetate	3.56	43	69303	20.181	ug/l	96
19) Methyl tert-butyl Ether	4.13	73	419017	22.116	ug/l	99
20) Methylene Chloride	3.72	84	366932	25.683	ug/l	98
21) trans-1,2-Dichloroethene	4.11	96	306476	21.815	ug/l	97
22) Diisopropyl ether	4.86	45	1002774	22.171	ug/l	99
23) Vinyl Acetate	4.81	43	2555241	113.537	ug/l	99
24) 1,1-Dichloroethane	4.76	63	512984	22.117	ug/l	99
25) 2-Butanone	5.63	43	378201	112.976	ug/l	98
26) 2,2-Dichloropropane	5.59	77	414352	22.978	ug/l	100
27) cis-1,2-Dichloroethene	5.60	96	333307	22.774	ug/l	95
28) Bromochloromethane	5.93	49	218476	21.348	ug/l	96
29) Tetrahydrofuran	5.96	42	199066	112.788	ug/l	98
30) Chloroform	6.10	83	515604	22.237	ug/l	100
31) Cyclohexane	6.37	56	458281	20.673	ug/l	96
32) 1,1,1-Trichloroethane	6.30	97	437223	22.386	ug/l	99
36) 1,1-Dichloropropene	6.53	75	393212	22.550	ug/l	99
37) Ethyl Acetate	5.70	43	181619	22.635	ug/l	94
38) Carbon Tetrachloride	6.51	117	364404	22.528	ug/l	99

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 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)
39) Methylcyclohexane	8.04	83	440498	21.964	ug/l	97
40) Benzene	6.80	78	1011212	22.719	ug/l	100
41) Methacrylonitrile	5.96	41	213666	23.266	ug/l #	95
42) 1,2-Dichloroethane	6.90	62	266687	22.891	ug/l	98
43) Isopropyl Acetate	8.36	43	228556	22.676	ug/l #	100
44) Trichloroethene	7.75	130	308541	22.867	ug/l	99
45) 1,2-Dichloropropane	8.11	63	255370	22.749	ug/l	96
46) Dibromomethane	8.22	93	147060	22.368	ug/l	99
47) Bromodichloromethane	8.49	83	358699	23.152	ug/l	98
48) Methyl methacrylate	8.25	41	134577	21.982	ug/l	95
49) 1,4-Dioxane	8.24	88	26697	503.991	ug/l #	83
51) 4-Methyl-2-Pentanone	9.35	43	733323	111.786	ug/l	98
52) Toluene	9.55	92	633628	22.285	ug/l	100
53) t-1,3-Dichloropropene	9.92	75	301178	23.008	ug/l	98
54) cis-1,3-Dichloropropene	9.10	75	385659	22.970	ug/l	99
55) 1,1,2-Trichloroethane	10.19	97	180936	21.956	ug/l	96
56) Ethyl methacrylate	10.04	69	168774	22.275	ug/l	96
57) 1,3-Dichloropropane	10.38	76	277936	22.134	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.93	63	544283	118.802	ug/l	100
59) 2-Hexanone	10.49	43	562856	120.382	ug/l	100
60) Dibromochloromethane	10.64	129	234318	23.391	ug/l	98
61) 1,2-Dibromoethane	10.76	107	188543	22.835	ug/l	100
64) Tetrachloroethene	10.26	164	280824	22.747	ug/l	98
65) Chlorobenzene	11.32	112	712629	23.783	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.42	131	238049	24.282	ug/l	99
67) Ethyl Benzene	11.43	91	1232108	24.038	ug/l	98
68) m/p-Xylenes	11.56	106	912397	48.256	ug/l	98
69) o-Xylene	11.94	106	427974	23.429	ug/l	97
70) Styrene	11.96	104	714131	24.191	ug/l	99
71) Bromoform	12.12	173	153276	23.267	ug/l	99
73) Isopropylbenzene	12.28	105	1170375	22.646	ug/l	98
74) N-amyl acetate	12.14	43	293966	22.186	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.57	83	196696	23.272	ug/l	100
76) 1,2,3-Trichloropropane	12.60	75	187864	22.140	ug/l	97
77) Bromobenzene	12.54	156	308197	22.451	ug/l	90
78) n-propylbenzene	12.64	91	1511076	23.425	ug/l	97
79) 2-Chlorotoluene	12.71	91	823373	23.305	ug/l	96
80) 1,3,5-Trimethylbenzene	12.79	105	943283	23.486	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.34	75	52980	21.931	ug/l	89
82) 4-Chlorotoluene	12.81	91	934338	23.542	ug/l	91
83) tert-Butylbenzene	13.05	119	1040672	23.338	ug/l	96
84) 1,2,4-Trimethylbenzene	13.10	105	941382	23.469	ug/l	96
85) sec-Butylbenzene	13.23	105	1259539	23.023	ug/l	95
86) p-Isopropyltoluene	13.35	119	1037750	23.555	ug/l	98
87) 1,3-Dichlorobenzene	13.32	146	586910	24.030	ug/l	96
88) 1,4-Dichlorobenzene	13.40	146	539741	22.628	ug/l	98
89) n-Butylbenzene	13.65	91	1075955	22.493	ug/l	97
90) Hexachloroethane	13.86	117	245091	23.461	ug/l	89
91) 1,2-Dichlorobenzene	13.66	146	480022	23.928	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.23	75	23589	23.120	ug/l	84

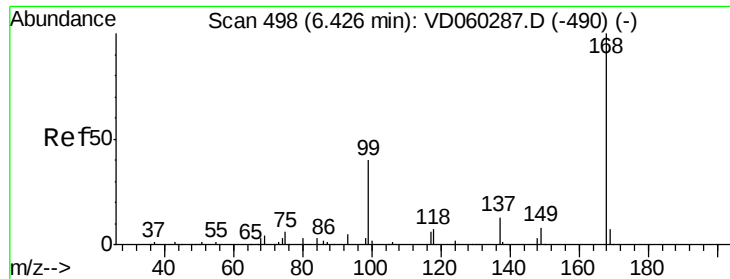
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD120418\
Data File : VD060483.D
Acq On : 4 Dec 2018 13:14
Operator : VA/AP
Sample : VD1204SBSD01
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1204SBSD01

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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)
93) 1,2,4-Trichlorobenzene	14.79	180	371558	23.360	ug/l	98
94) Hexachlorobutadiene	14.88	225	259921	21.848	ug/l	99
95) Naphthalene	14.97	128	456946	23.527	ug/l	99
96) 1,2,3-Trichlorobenzene	15.12	180	301001	23.616	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.41 min Scan# 496

Delta R.T. -0.02 min

Lab File: VD060483.D

Acq: 4 Dec 2018 13:14

Instrument :

MSVOA_D

ClientSampleId :

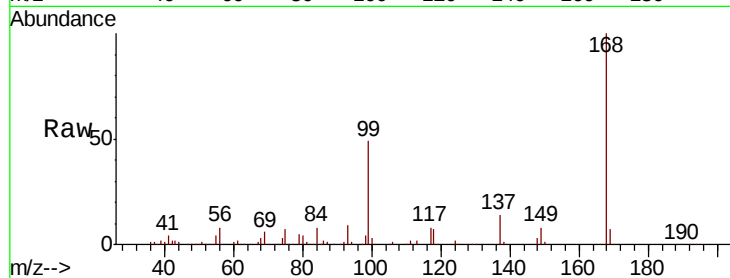
VD1204SBSD01

Tot Ion:168 Resp: 1296727

Ion Ratio Lower Upper

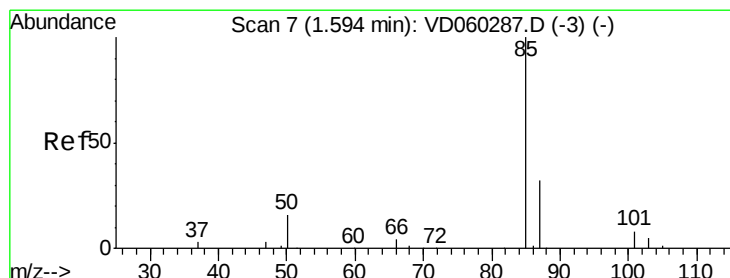
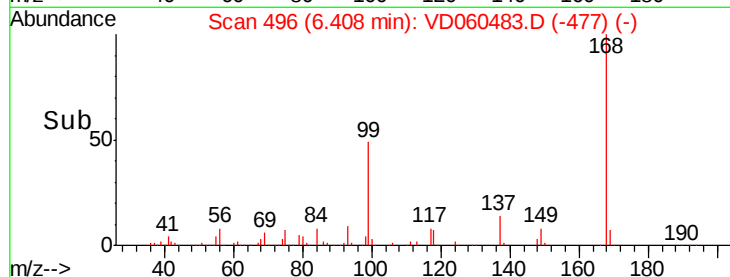
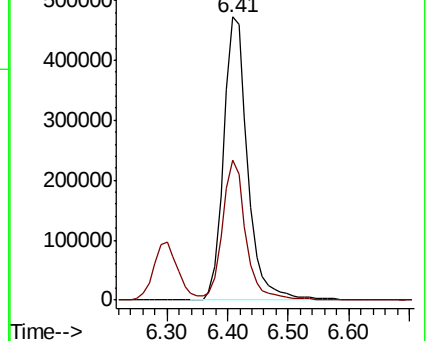
168 100

99 49.4 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 22.038 ug/l

RT: 1.60 min Scan# 7

Delta R.T. 0.00 min

Lab File: VD060483.D

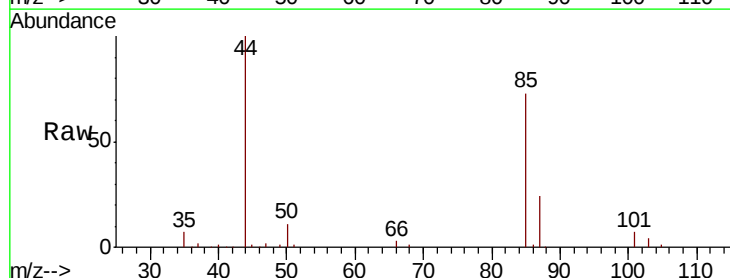
Acq: 4 Dec 2018 13:14

Tgt Ion: 85 Resp: 250214

Ion Ratio Lower Upper

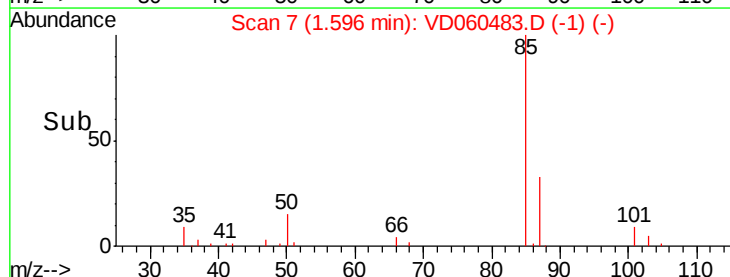
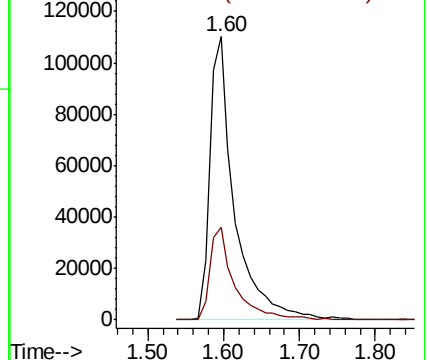
85 100

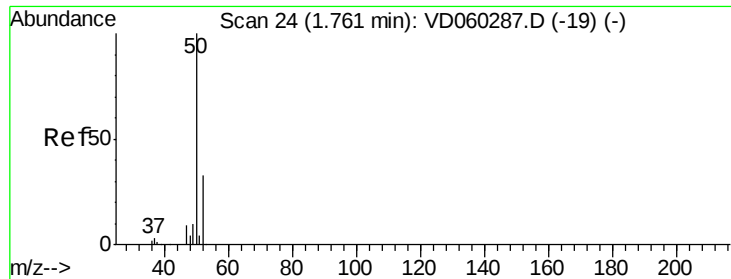
87 32.7 16.8 50.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.186 ug/l

RT: 1.76 min Scan# 24

Delta R.T. 0.00 min

Lab File: VD060483.D

Acq: 4 Dec 2018 13:14

Instrument :

MSVOA_D

ClientSampleId :

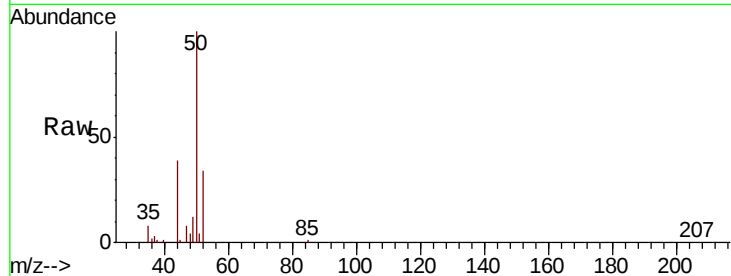
VD1204SBSD01

Tot Ion: 50 Resp: 247950

Ion Ratio Lower Upper

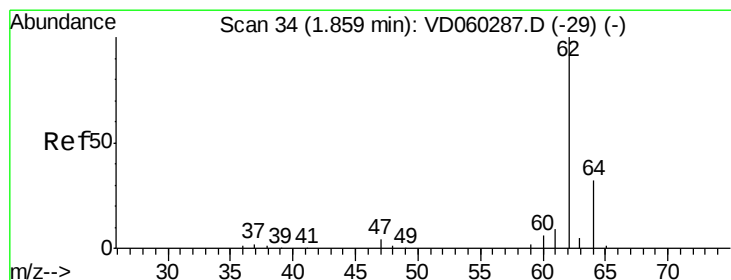
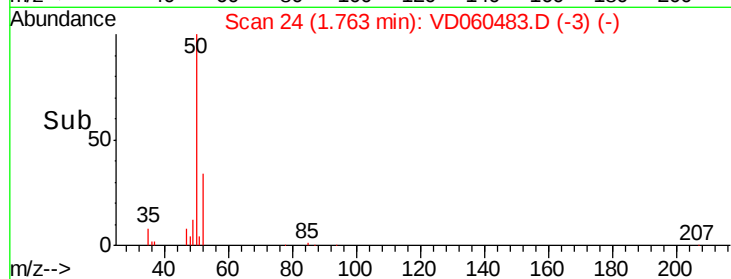
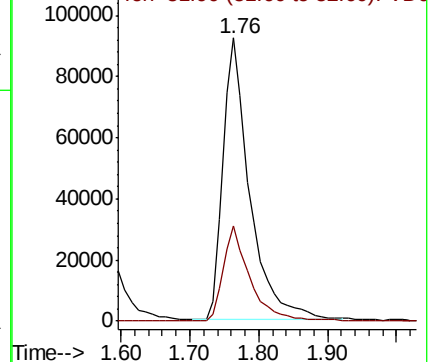
50 100

52 33.6 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: 21.111 ug/l

RT: 1.85 min Scan# 33

Delta R.T. -0.01 min

Lab File: VD060483.D

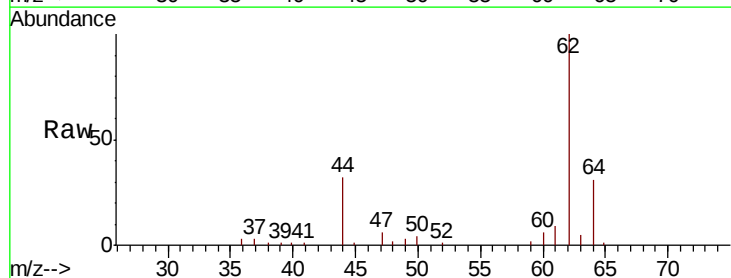
Acq: 4 Dec 2018 13:14

Tgt Ion: 62 Resp: 211768

Ion Ratio Lower Upper

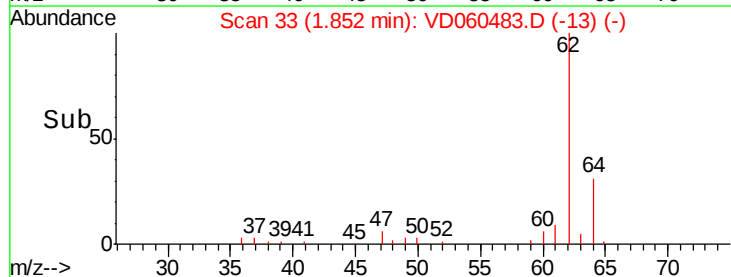
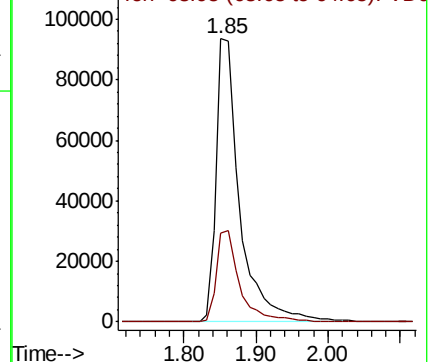
62 100

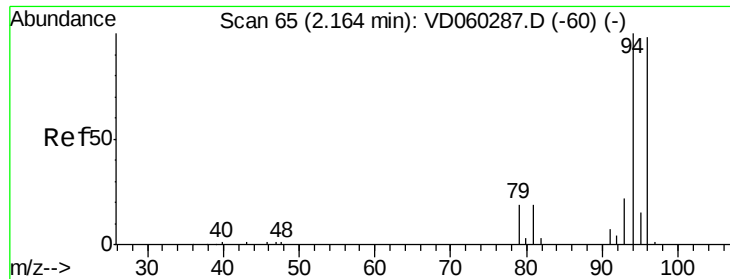
64 31.4 24.9 37.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 16.474 ug/l

RT: 2.15 min Scan# 63

Delta R.T. -0.02 min

Lab File: VD060483.D

Acq: 4 Dec 2018 13:14

Instrument :

MSVOA_D

ClientSampleId :

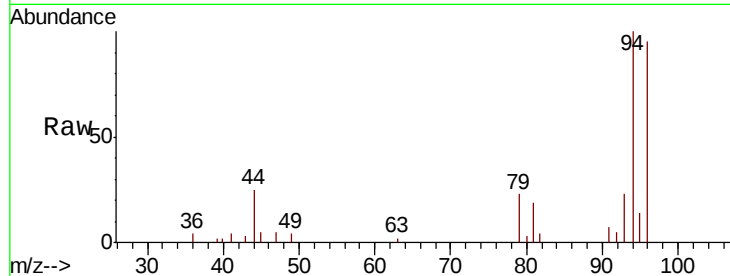
VD1204SBS01

Tot Ion: 94 Resp: 39206

Ion Ratio Lower Upper

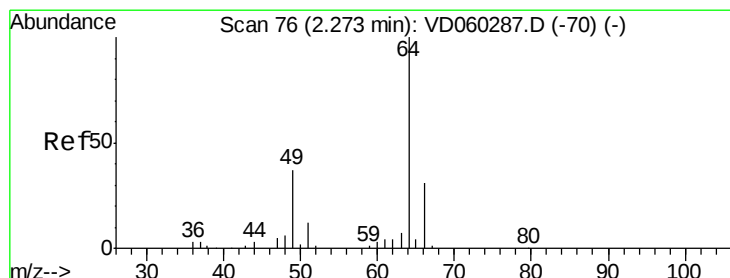
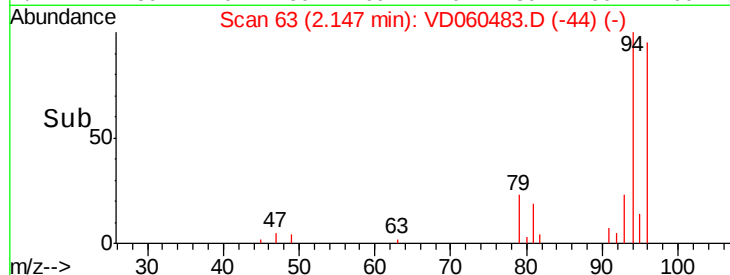
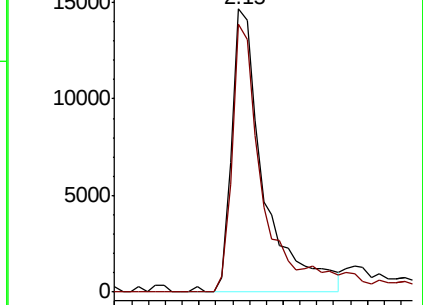
94 100

96 94.9 76.6 114.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 17.901 ug/l

RT: 2.26 min Scan# 74

Delta R.T. -0.02 min

Lab File: VD060483.D

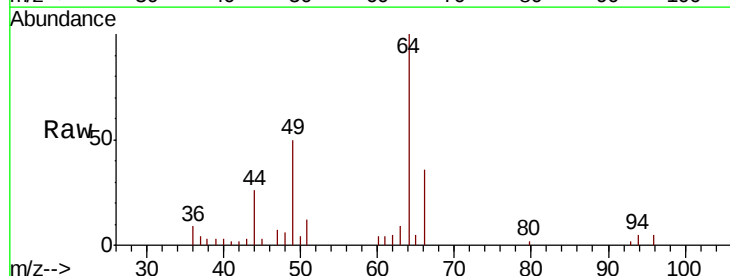
Acq: 4 Dec 2018 13:14

Tgt Ion: 64 Resp: 59581

Ion Ratio Lower Upper

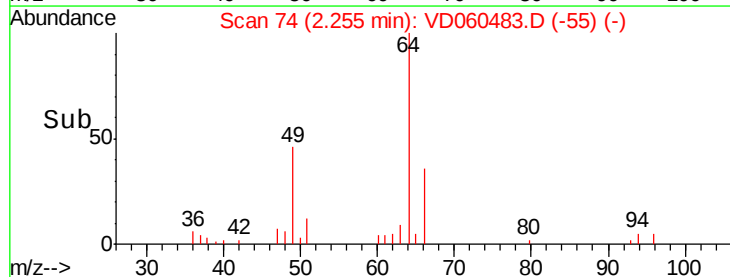
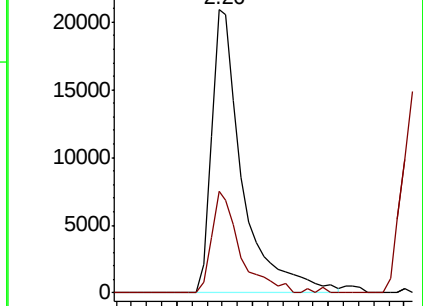
64 100

66 36.0 26.6 40.0



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



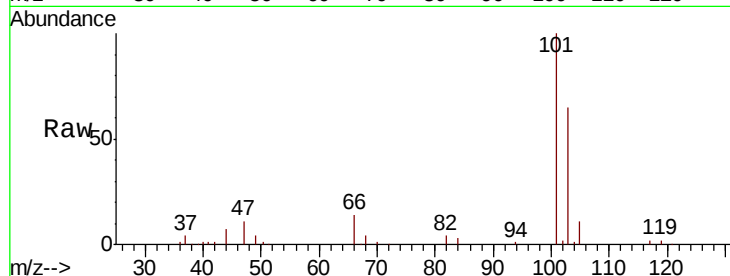


#7

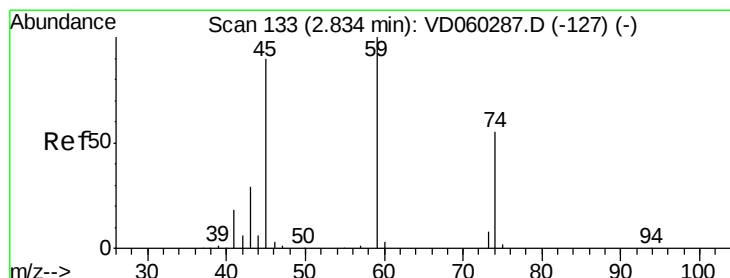
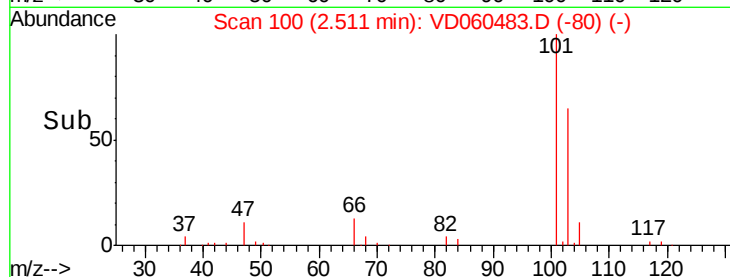
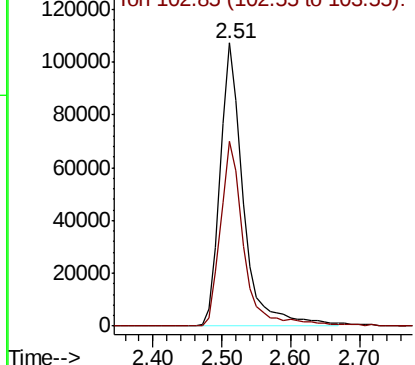
Trichlorofluoromethane
 Concen: 21.194 ug/l
 RT: 2.51 min Scan# 100
 Delta R.T. -0.01 min
 Lab File: VD060483.D
 Acq: 4 Dec 2018 13:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1204SBSD01

Tot Ion:101 Resp: 250650
 Ion Ratio Lower Upper
 101 100
 103 65.3 53.6 80.4



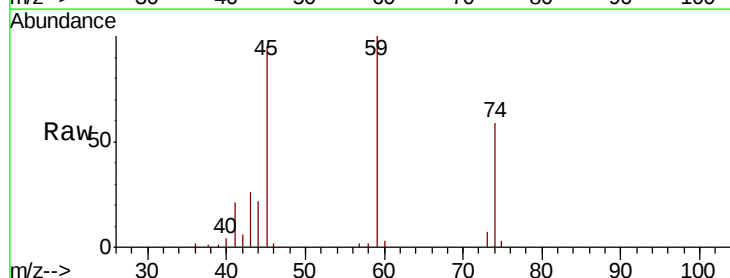
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



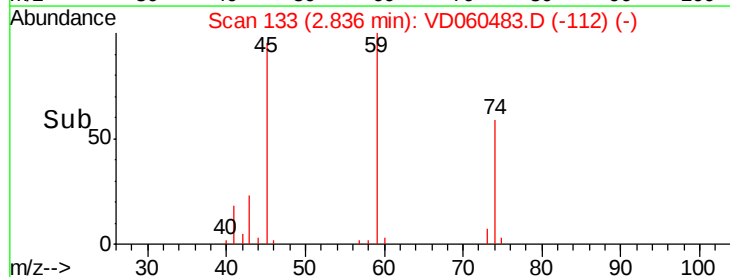
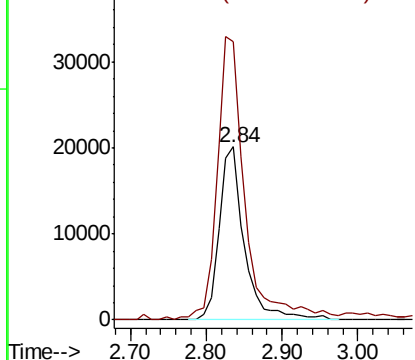
#8

Diethyl Ether
 Concen: 21.704 ug/l
 RT: 2.84 min Scan# 133
 Delta R.T. 0.00 min
 Lab File: VD060483.D
 Acq: 4 Dec 2018 13:14

Tgt Ion: 74 Resp: 46472
 Ion Ratio Lower Upper
 74 100
 45 160.9 84.8 254.4



Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.622 ug/l

RT: 3.09 min Scan# 159

Delta R.T. -0.01 min

Lab File: VD060483.D

Acq: 4 Dec 2018 13:14

Instrument :

MSVOA_D

ClientSampleId :

VD1204SBSD01

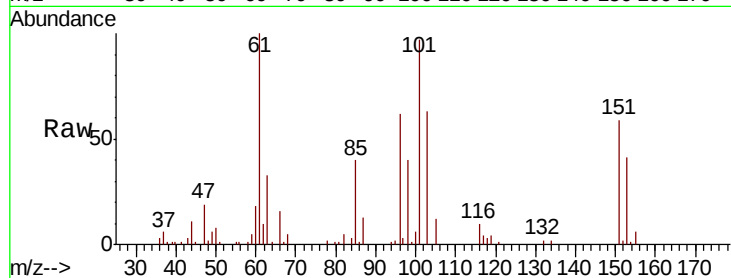
Tot Ion:101 Resp: 175967

Ion Ratio Lower Upper

101 100

85 41.4 31.4 47.0

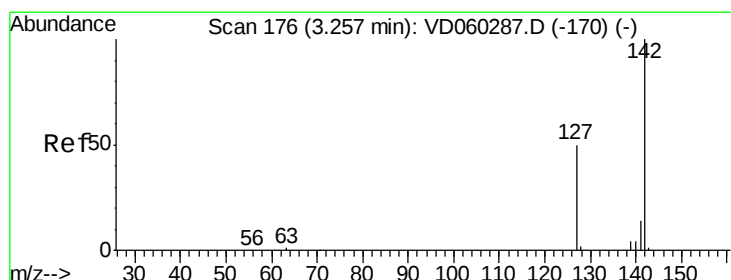
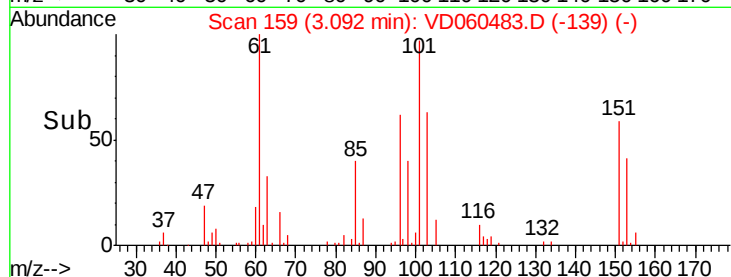
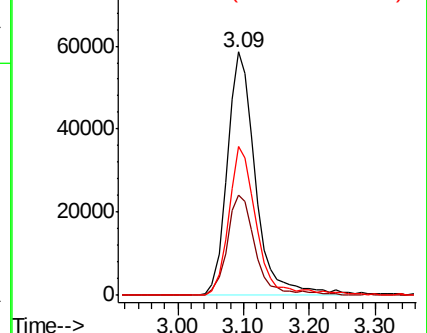
151 61.4 47.4 71.0



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: 18.987 ug/l

RT: 3.25 min Scan# 175

Delta R.T. -0.01 min

Lab File: VD060483.D

Acq: 4 Dec 2018 13:14

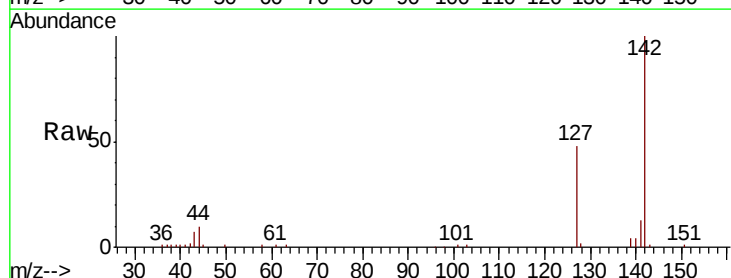
Tgt Ion:142 Resp: 191825

Ion Ratio Lower Upper

142 100

127 48.5 41.0 61.6

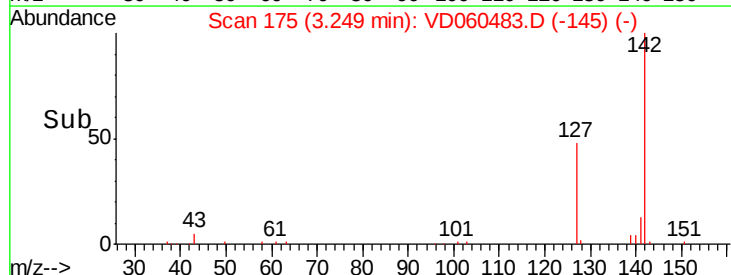
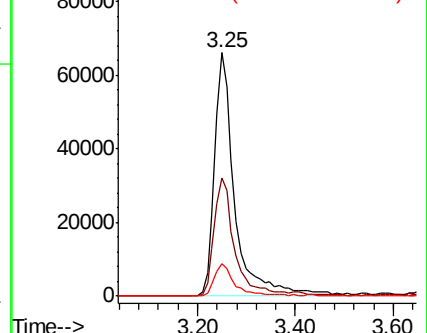
141 13.1 11.9 17.9

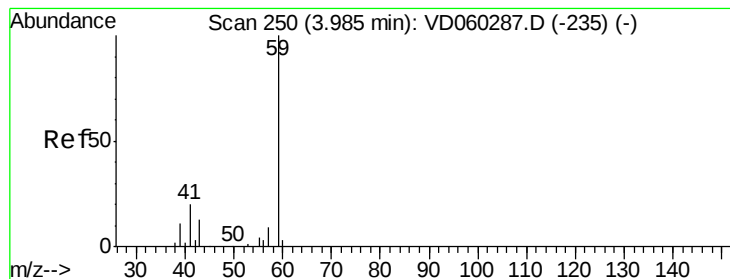


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



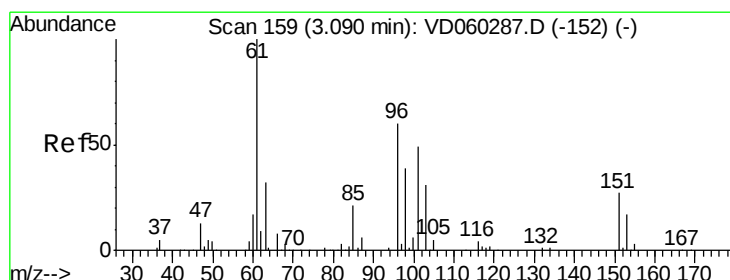
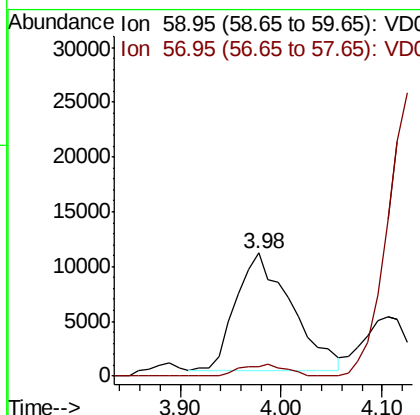
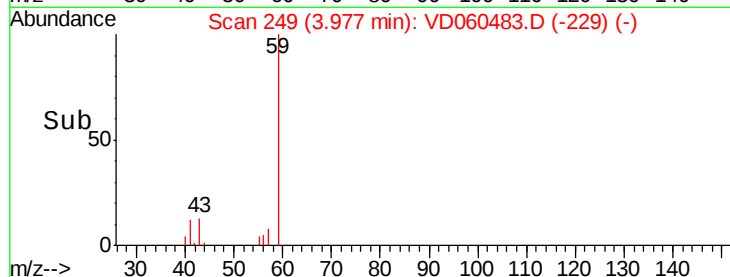
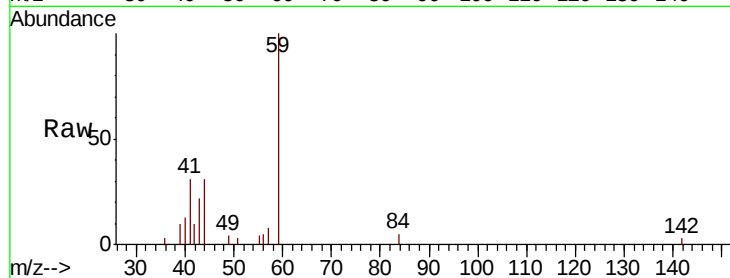


#11

Tert butyl alcohol
Concen: 107.972 ug/l
RT: 3.98 min Scan# 249
Delta R.T. -0.01 min
Lab File: VD060483.D
Acq: 4 Dec 2018 13:14

Instrument :
MSVOA_D
ClientSampleId :
VD1204SBSD01

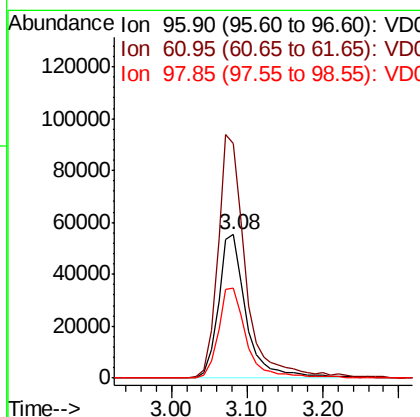
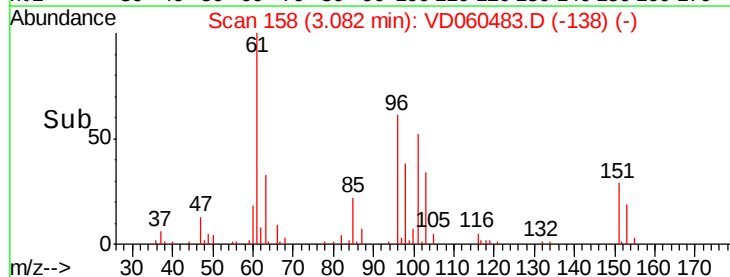
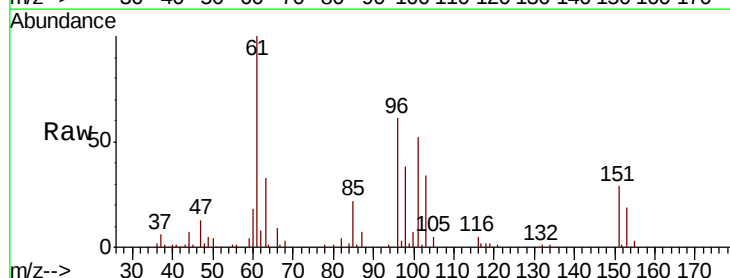
Tot Ion: 59 Resp: 41166
Ion Ratio Lower Upper
59 100
57 7.6 9.3 13.9#

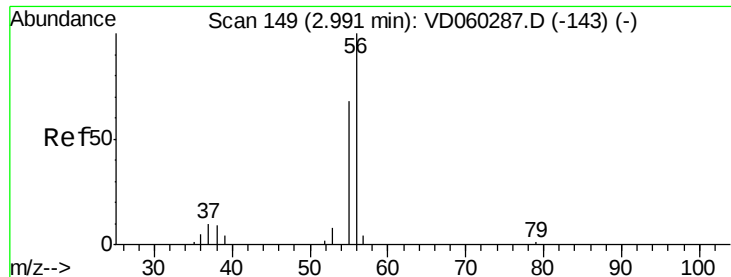


#12

1,1-Dichloroethene
Concen: 22.240 ug/l
RT: 3.08 min Scan# 158
Delta R.T. -0.01 min
Lab File: VD060483.D
Acq: 4 Dec 2018 13:14

Tgt Ion: 96 Resp: 140718
Ion Ratio Lower Upper
96 100
61 163.4 142.2 213.4
98 62.9 52.6 79.0





#13

Acrolein

Concen: 67.408 ug/l

RT: 2.99 min Scan# 149

Delta R.T. 0.00 min

Lab File: VD060483.D

Acq: 4 Dec 2018 13:14

Instrument :

MSVOA_D

ClientSampleId :

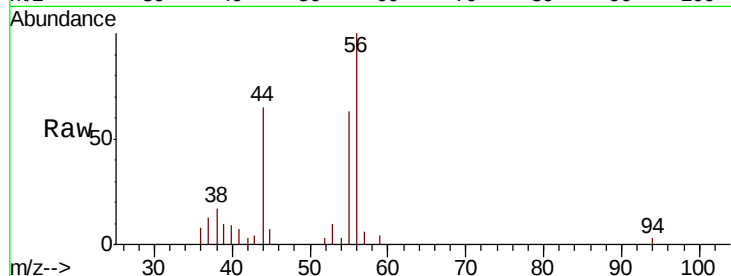
VD1204SBSD01

Tot Ion: 56 Resp: 30368

Ion Ratio Lower Upper

56 100

55 62.8 57.0 85.6



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.99

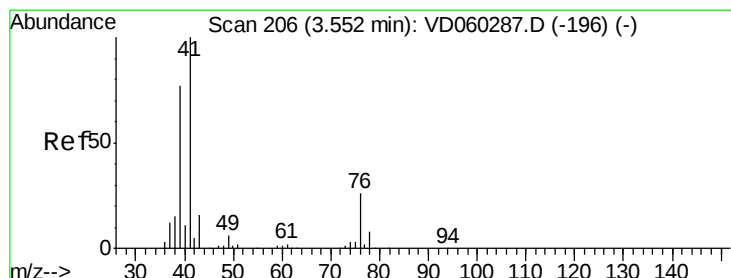
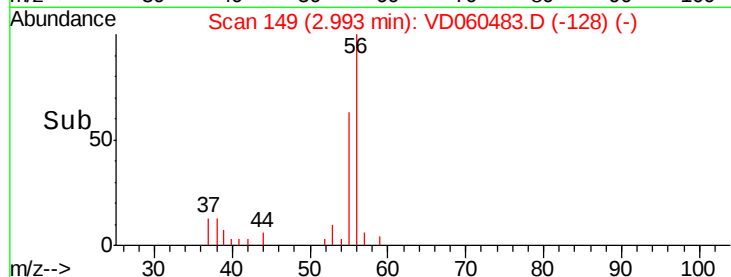
10000

5000

0

Time-->

2.90 3.00 3.10



#14

Allyl chloride

Concen: 21.593 ug/l

RT: 3.54 min Scan# 205

Delta R.T. -0.01 min

Lab File: VD060483.D

Acq: 4 Dec 2018 13:14

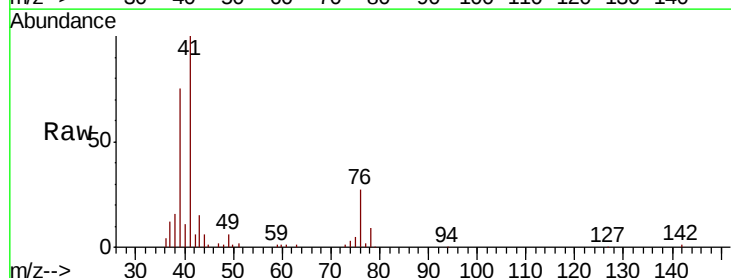
Tgt Ion: 41 Resp: 261414

Ion Ratio Lower Upper

41 100

39 75.1 60.4 90.6

76 27.2 21.8 32.8



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

3.54

120000

100000

80000

60000

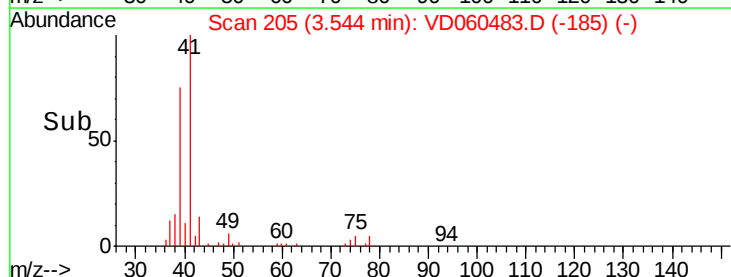
40000

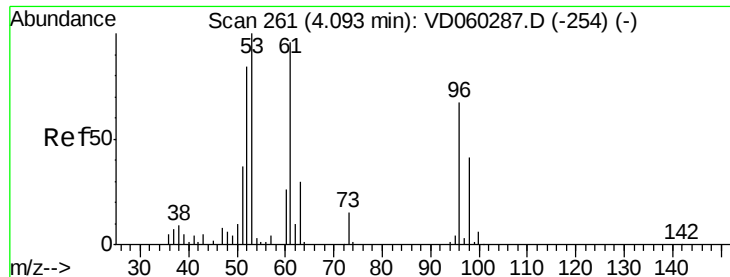
20000

0

Time-->

3.40 3.50 3.60





#15

Acrylonitrile

Concen: 115.661 ug/l

RT: 4.10 min Scan# 261

Delta R.T. 0.00 min

Lab File: VD060483.D

Acq: 4 Dec 2018 13:14

Instrument :

MSVOA_D

ClientSampleId :

VD1204SBS01

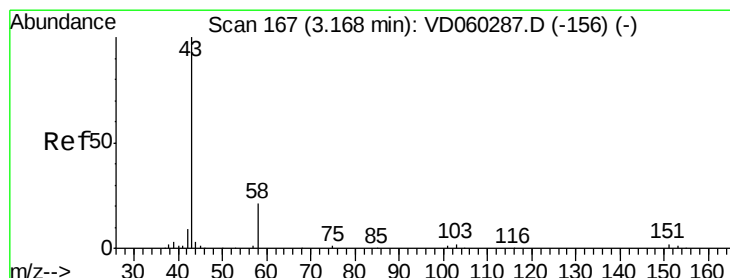
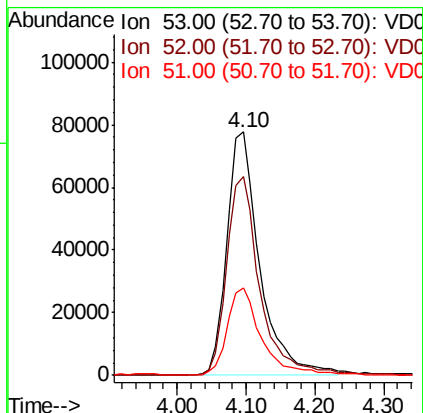
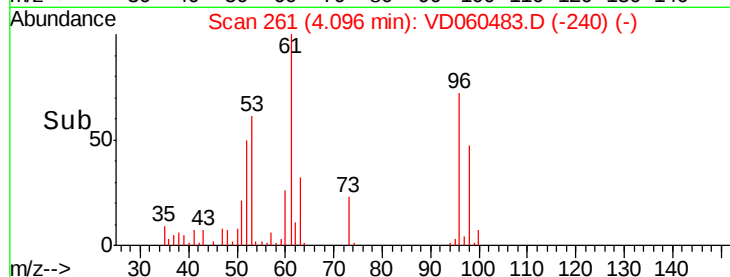
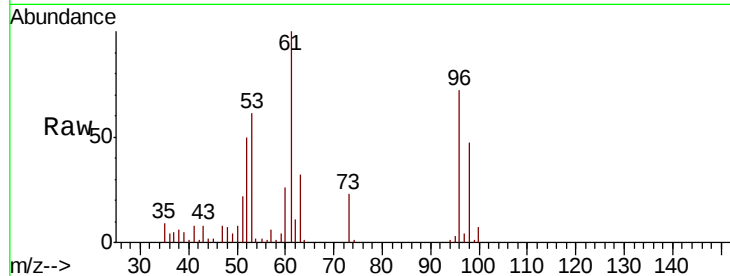
Tot Ion: 53 Resp: 257153

Ion Ratio Lower Upper

53 100

52 81.8 67.0 100.4

51 36.0 29.9 44.9



#16

Acetone

Concen: 116.435 ug/l

RT: 3.16 min Scan# 166

Delta R.T. -0.01 min

Lab File: VD060483.D

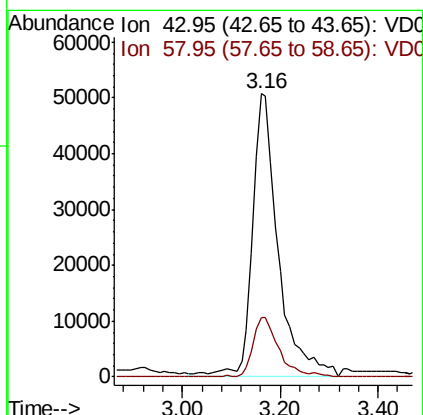
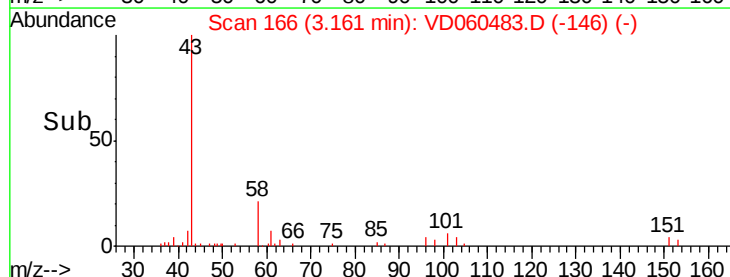
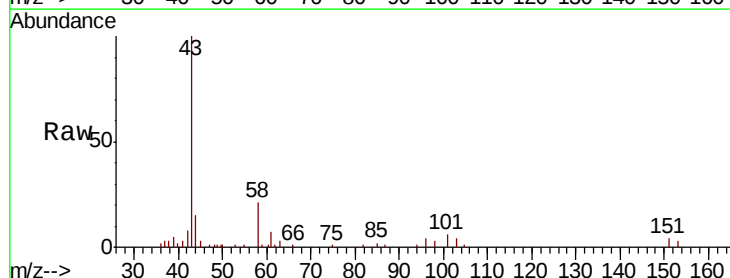
Acq: 4 Dec 2018 13:14

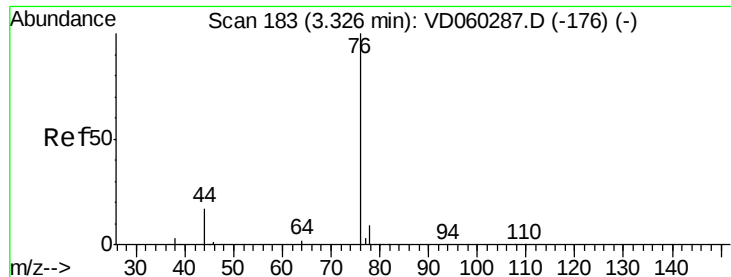
Tgt Ion: 43 Resp: 187524

Ion Ratio Lower Upper

43 100

58 20.8 16.9 25.3

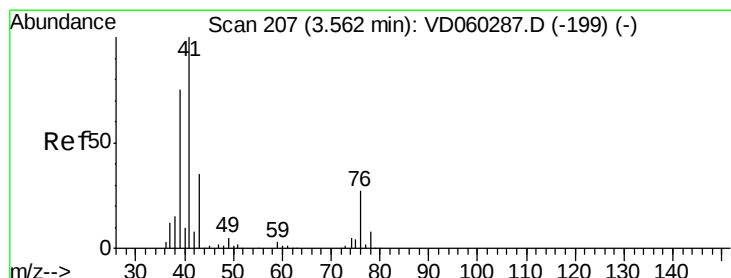
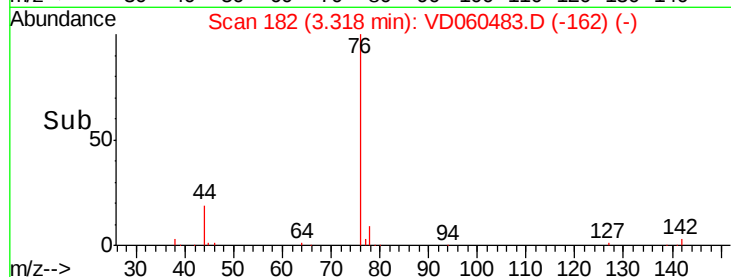
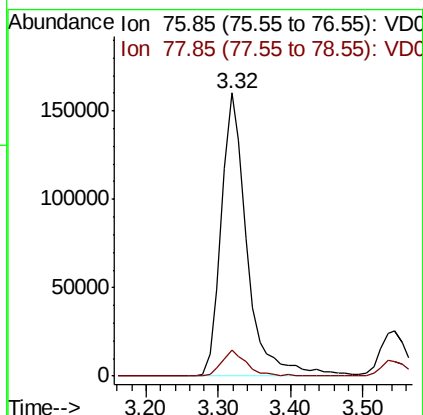
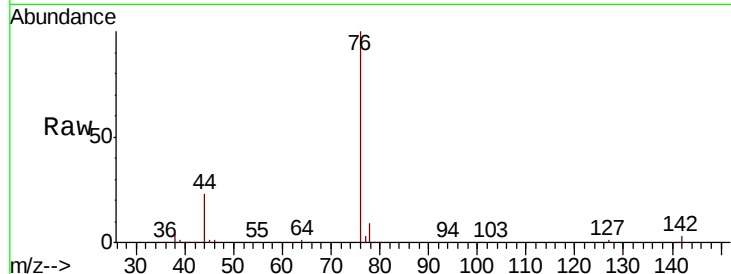




#17
Carbon Disulfide
Concen: 19.292 ug/l
RT: 3.32 min Scan# 182
Delta R.T. -0.01 min
Lab File: VD060483.D
Acq: 4 Dec 2018 13:14

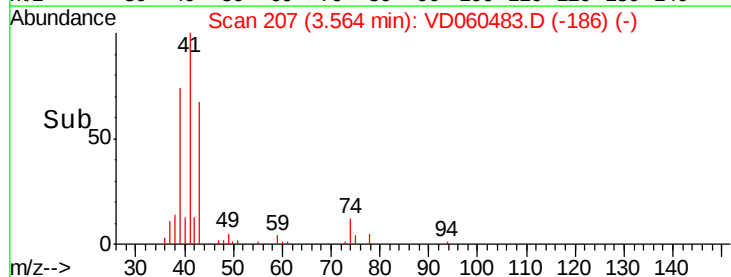
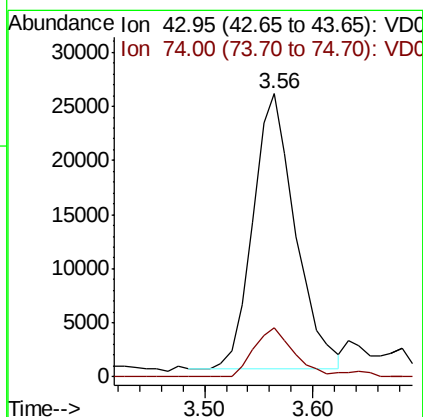
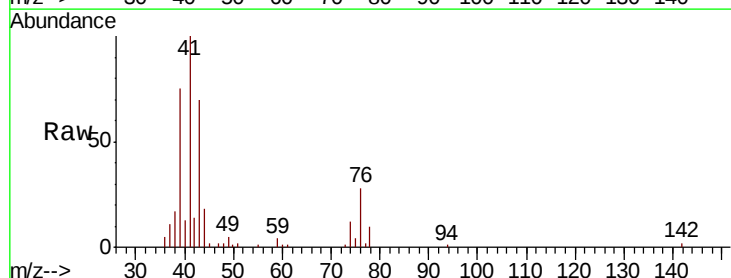
Instrument :
MSVOA_D
ClientSampleId :
VD1204SBSD01

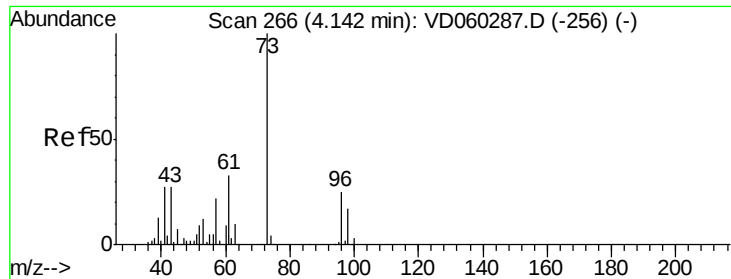
Tot Ion: 76 Resp: 393998
Ion Ratio Lower Upper
76 100
78 9.1 7.0 10.4



#18
Methyl Acetate
Concen: 20.181 ug/l
RT: 3.56 min Scan# 207
Delta R.T. 0.00 min
Lab File: VD060483.D
Acq: 4 Dec 2018 13:14

Tgt Ion: 43 Resp: 69303
Ion Ratio Lower Upper
43 100
74 17.3 12.4 18.6



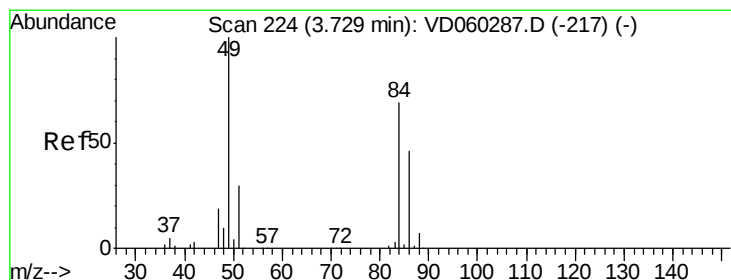
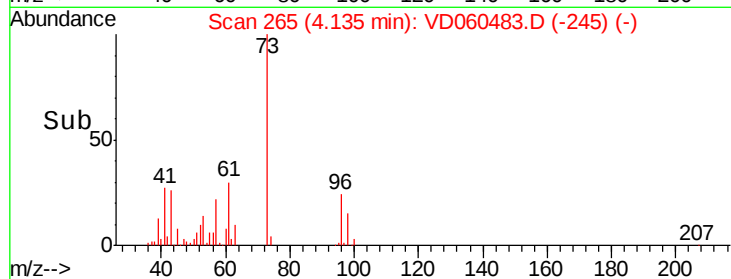
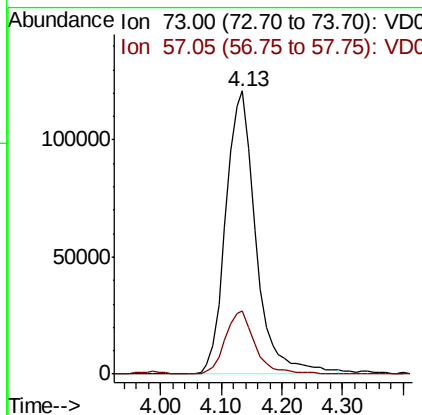
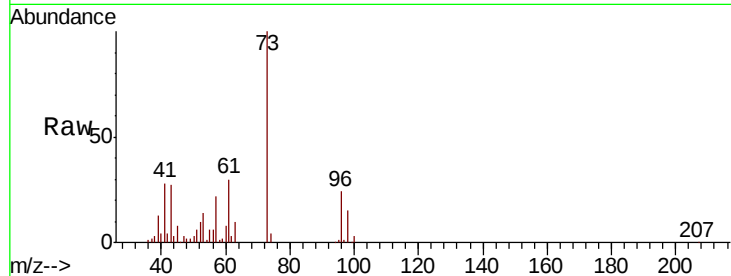


#19

Methyl tert-butyl Ether
 Concen: 22.116 ug/l
 RT: 4.13 min Scan# 265
 Delta R.T. -0.01 min
 Lab File: VD060483.D
 Acq: 4 Dec 2018 13:14

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1204SBSD01

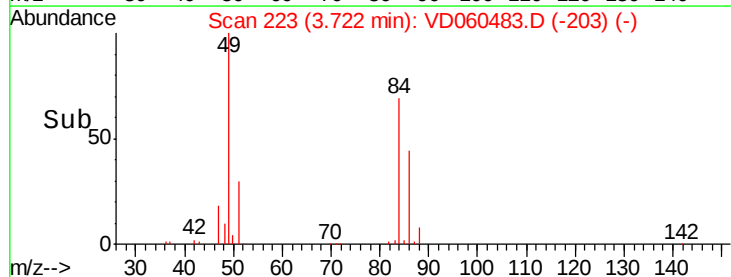
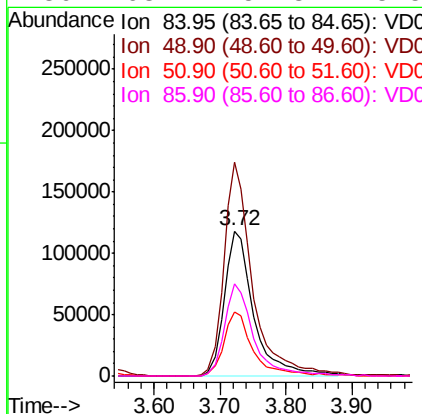
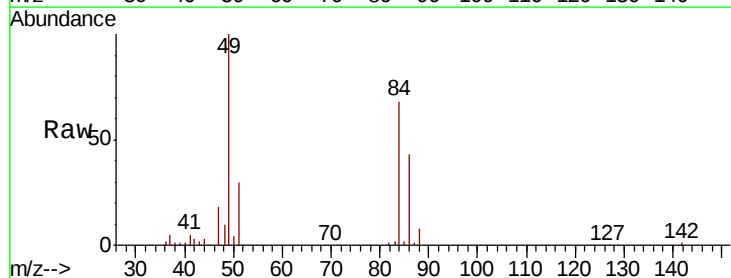
Tot Ion: 73 Resp: 419017
 Ion Ratio Lower Upper
 73 100
 57 22.2 18.1 27.1

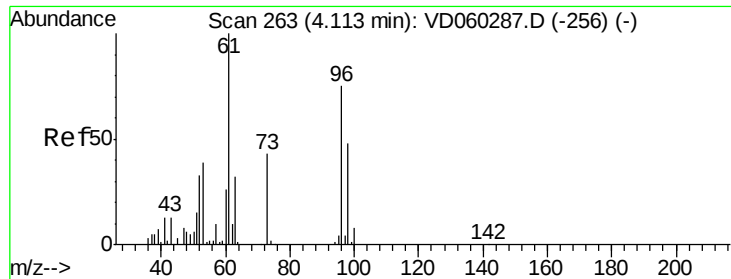


#20

Methylene Chloride
 Concen: 25.683 ug/l
 RT: 3.72 min Scan# 223
 Delta R.T. -0.01 min
 Lab File: VD060483.D
 Acq: 4 Dec 2018 13:14

Tgt Ion: 84 Resp: 366932
 Ion Ratio Lower Upper
 84 100
 49 147.4 115.6 173.4
 51 43.8 35.6 53.4
 86 63.4 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 21.815 ug/l

RT: 4.11 min Scan# 262

Delta R.T. -0.01 min

Lab File: VD060483.D

Acq: 4 Dec 2018 13:14

Instrument :

MSVOA_D

ClientSampleId :

VD1204SBSD01

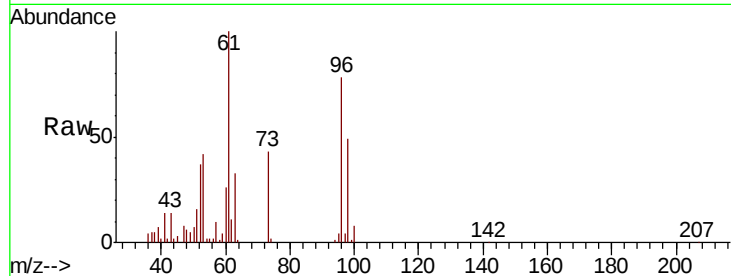
Tot Ion: 96 Resp: 306476

Ion Ratio Lower Upper

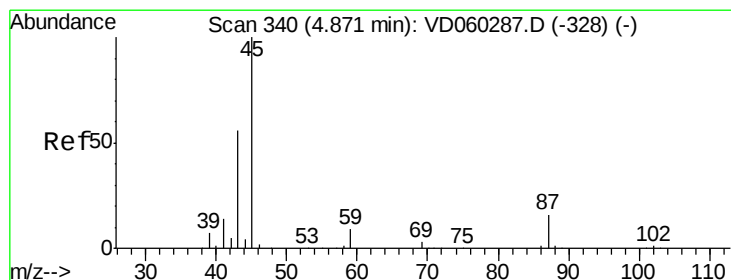
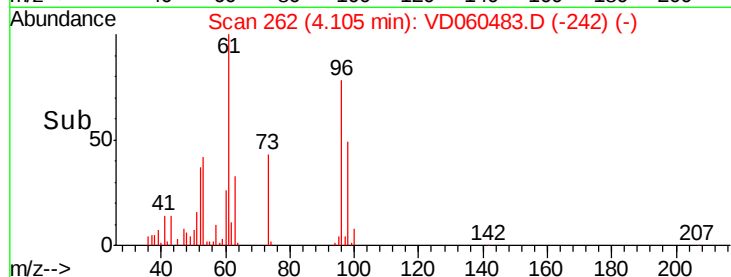
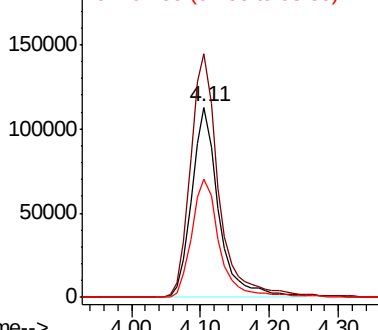
96 100

61 128.2 105.8 158.6

98 62.3 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



#22

Diisopropyl ether

Concen: 22.171 ug/l

RT: 4.86 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD060483.D

Acq: 4 Dec 2018 13:14

Tgt Ion: 45 Resp: 1002774

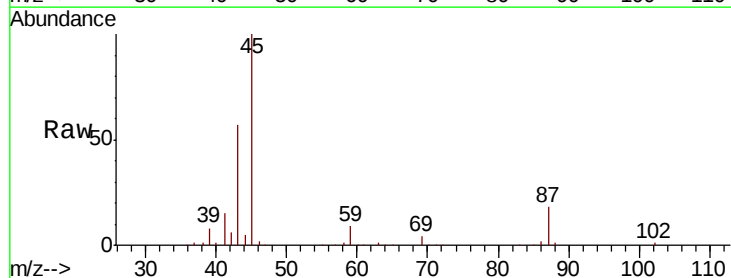
Ion Ratio Lower Upper

45 100

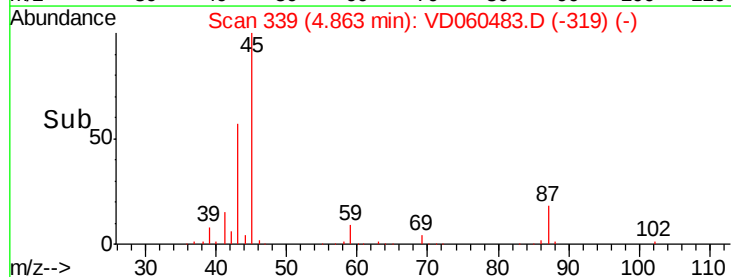
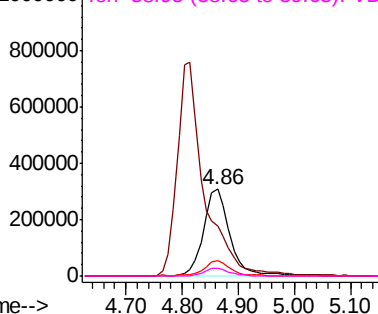
43 57.2 44.9 67.3

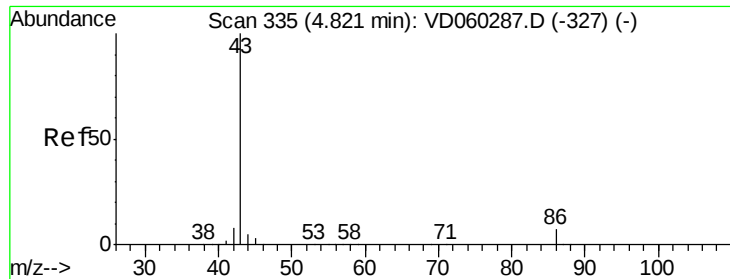
87 17.6 13.9 20.9

59 9.4 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

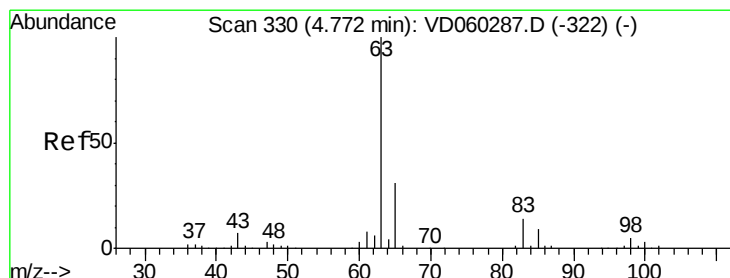
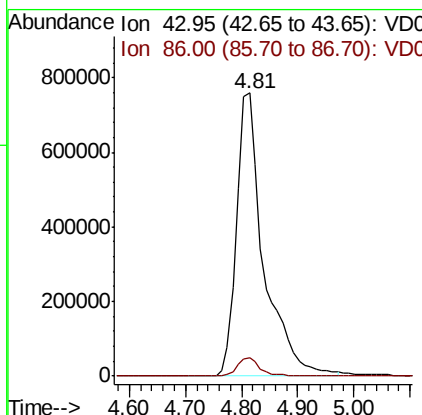
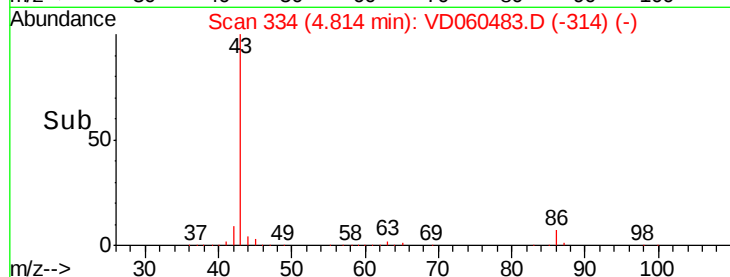
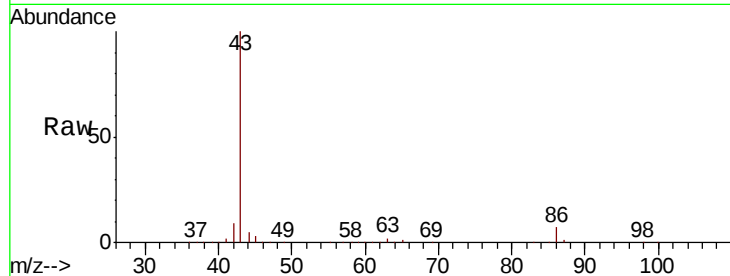




#23
 Vinyl Acetate
 Concen: 113.537 ug/l
 RT: 4.81 min Scan# 334
 Delta R.T. -0.01 min
 Lab File: VD060483.D
 Acq: 4 Dec 2018 13:14

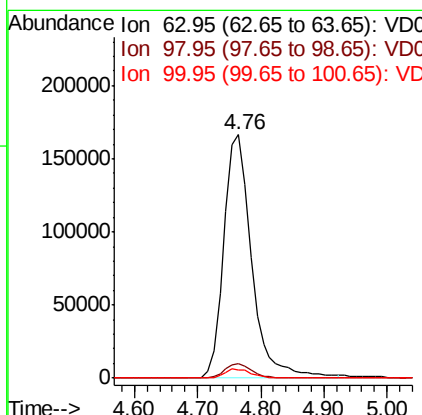
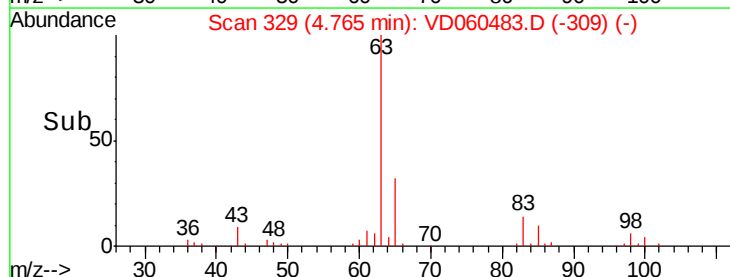
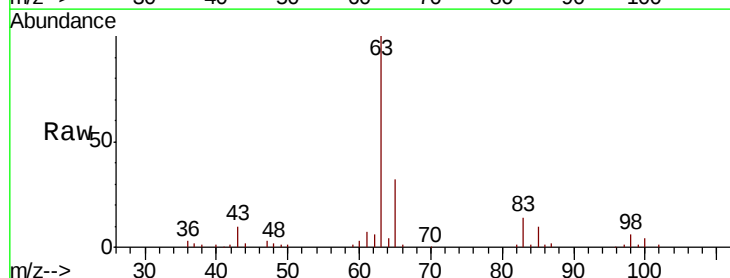
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1204SBSD01

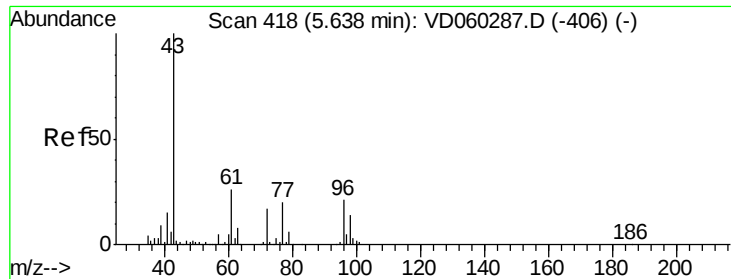
Tot Ion: 43 Resp: 2555241
 Ion Ratio Lower Upper
 43 100
 86 6.6 5.7 8.5



#24
 1,1-Dichloroethane
 Concen: 22.117 ug/l
 RT: 4.76 min Scan# 329
 Delta R.T. -0.01 min
 Lab File: VD060483.D
 Acq: 4 Dec 2018 13:14

Tgt Ion: 63 Resp: 512984
 Ion Ratio Lower Upper
 63 100
 98 5.9 2.8 8.4
 100 3.6 1.8 5.5





#25

2-Butanone

Concen: 112.976 ug/l

RT: 5.63 min Scan# 417

Delta R.T. -0.01 min

Lab File: VD060483.D

Acq: 4 Dec 2018 13:14

Instrument :

MSVOA_D

ClientSampleId :

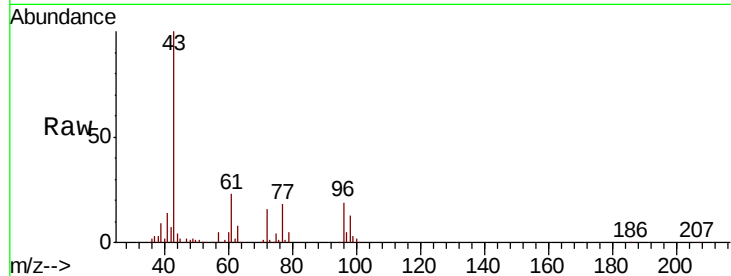
VD1204SBSD01

Tot Ion: 43 Resp: 378201

Ion Ratio Lower Upper

43 100

72 16.4 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

150000

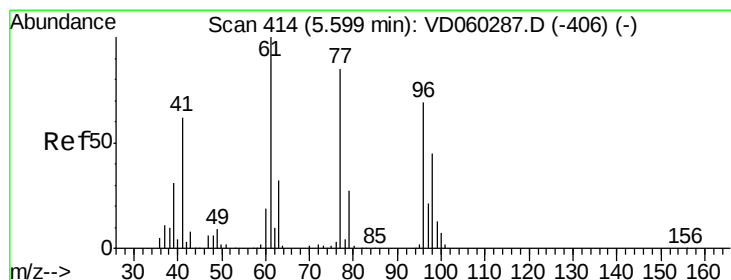
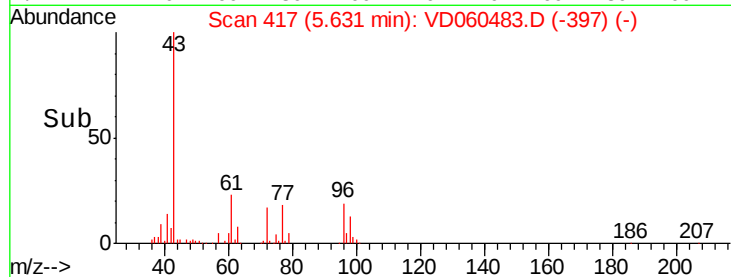
100000

50000

0

5.50 5.60 5.70

Time-->



#26

2,2-Dichloropropane

Concen: 22.978 ug/l

RT: 5.59 min Scan# 413

Delta R.T. -0.01 min

Lab File: VD060483.D

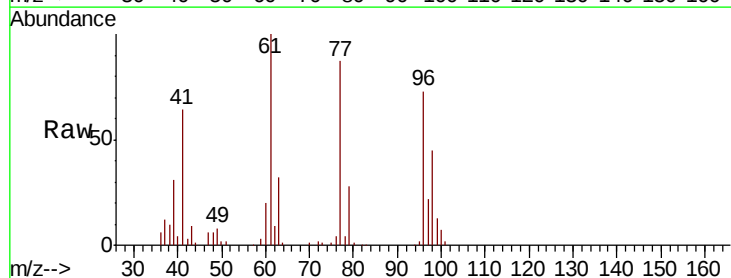
Acq: 4 Dec 2018 13:14

Tgt Ion: 77 Resp: 414352

Ion Ratio Lower Upper

77 100

97 25.4 12.6 37.8



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

150000

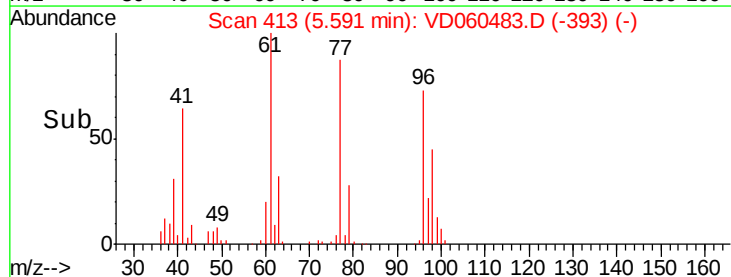
100000

50000

0

5.40 5.50 5.60 5.70 5.80

Time-->



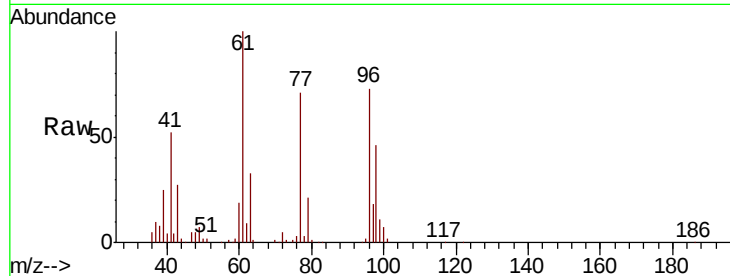


#27

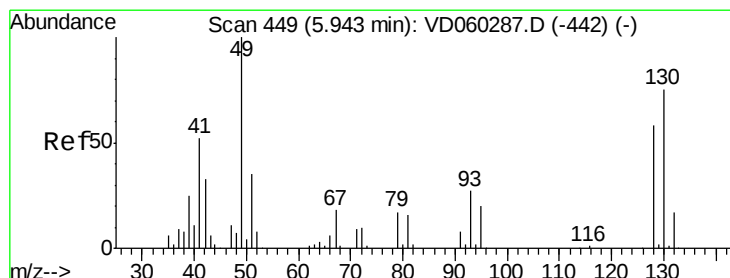
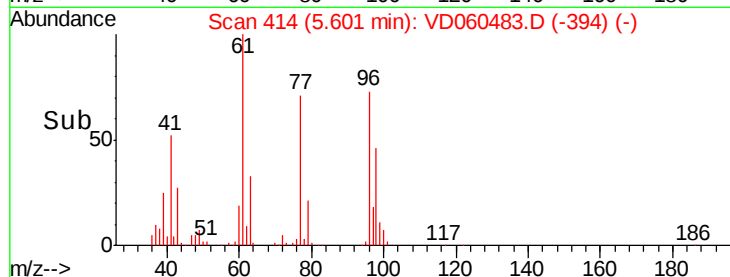
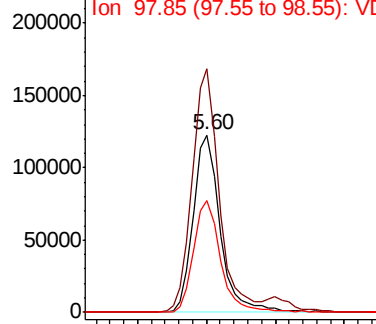
cis-1,2-Dichloroethene
Concen: 22.774 ug/l
RT: 5.60 min Scan# 414
Delta R.T. -0.01 min
Lab File: VD060483.D
Acq: 4 Dec 2018 13:14

Instrument :
MSVOA_D
ClientSampleId :
VD1204SBSD01

Tot Ion: 96 Resp: 333307
Ion Ratio Lower Upper
96 100
61 137.2 0.0 259.0
98 63.2 0.0 128.8



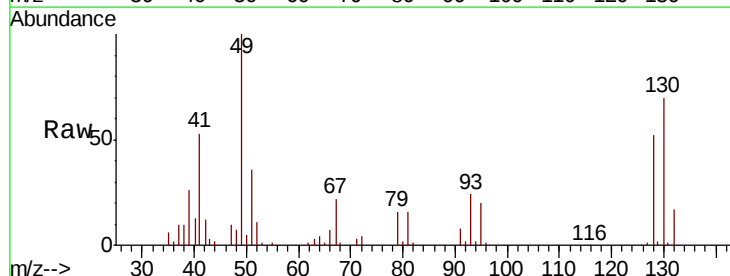
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



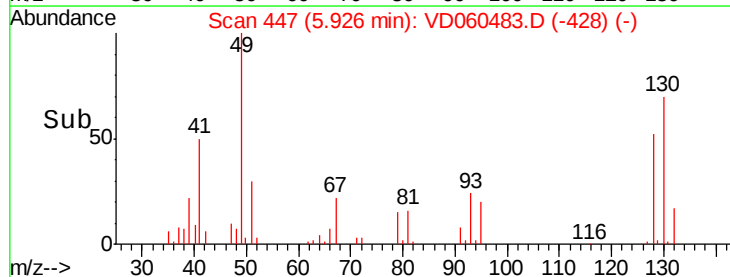
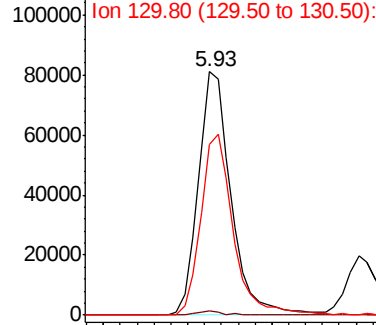
#28

Bromochloromethane
Concen: 21.348 ug/l
RT: 5.93 min Scan# 447
Delta R.T. -0.02 min
Lab File: VD060483.D
Acq: 4 Dec 2018 13:14

Tgt Ion: 49 Resp: 218476
Ion Ratio Lower Upper
49 100
129 1.5 0.0 2.8
130 69.9 53.6 80.4



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





#29

Tetrahydrofuran

Concen: 112.788 ug/l

RT: 5.96 min Scan# 450

Delta R.T. -0.01 min

Lab File: VD060483.D

Acq: 4 Dec 2018 13:14

Instrument :

MSVOA_D

ClientSampleId :

VD1204SBS01

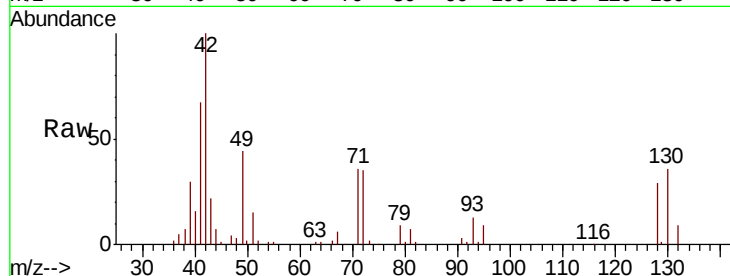
Tot Ion: 42 Resp: 199066

Ion Ratio Lower Upper

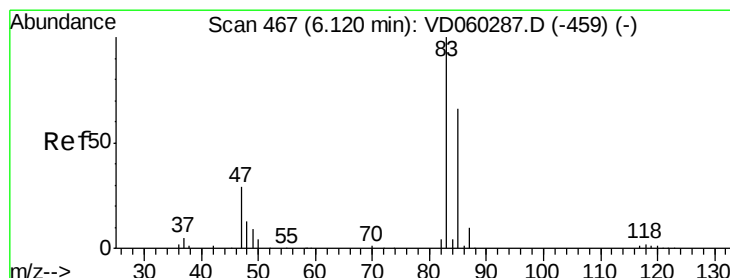
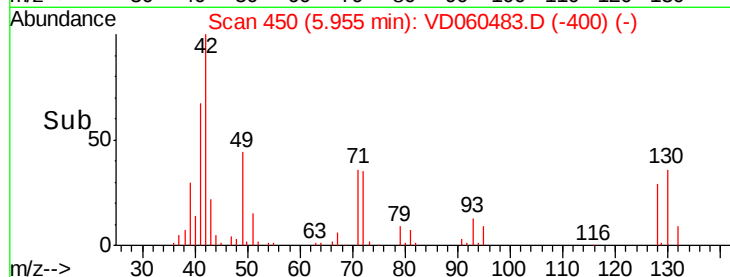
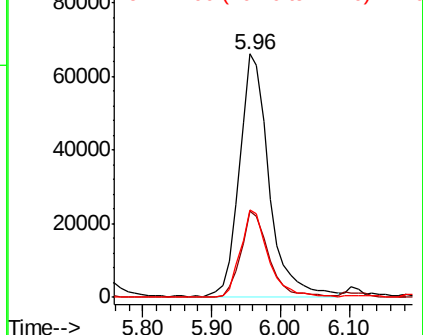
42 100

72 33.1 27.6 41.4

71 33.7 26.5 39.7



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



#30

Chloroform

Concen: 22.237 ug/l

RT: 6.10 min Scan# 465

Delta R.T. -0.02 min

Lab File: VD060483.D

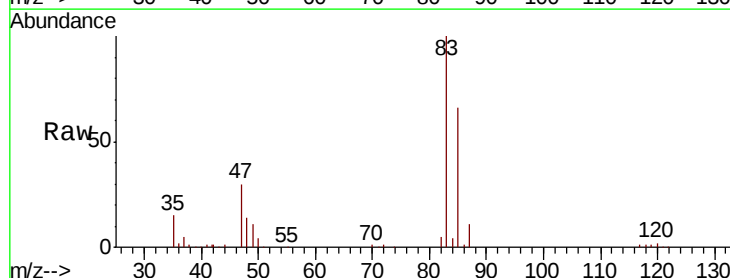
Acq: 4 Dec 2018 13:14

Tgt Ion: 83 Resp: 515604

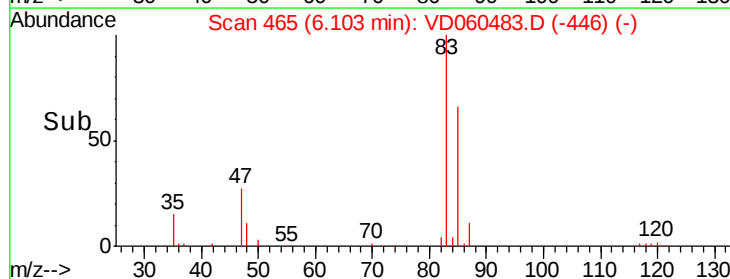
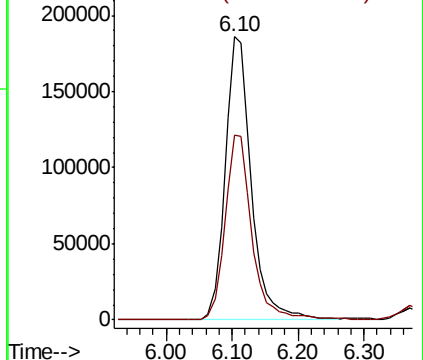
Ion Ratio Lower Upper

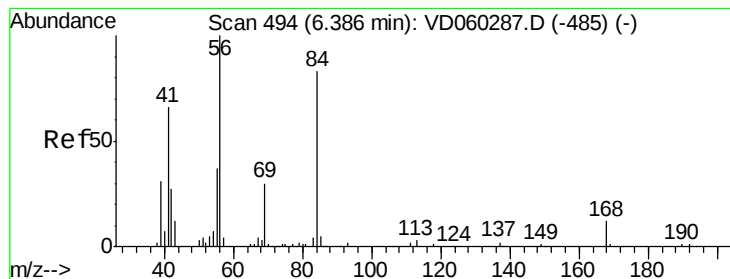
83 100

85 65.5 52.5 78.7



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC





#31

Cvclohexane

Concen: 20.673 ug/l

RT: 6.37 min Scan# 492

Delta R.T. -0.02 min

Lab File: VD060483.D

Acq: 4 Dec 2018 13:14

Instrument :

MSVOA_D

ClientSampleId :

VD1204SBSD01

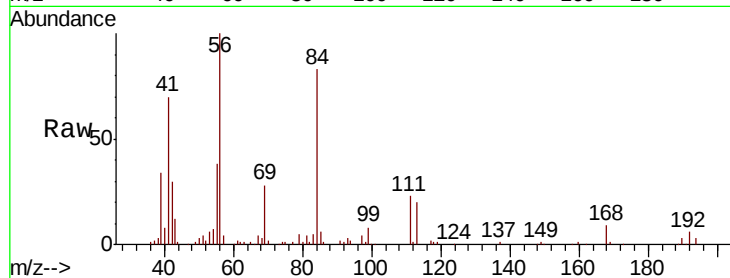
Tot Ion: 56 Resp: 458281

Ion Ratio Lower Upper

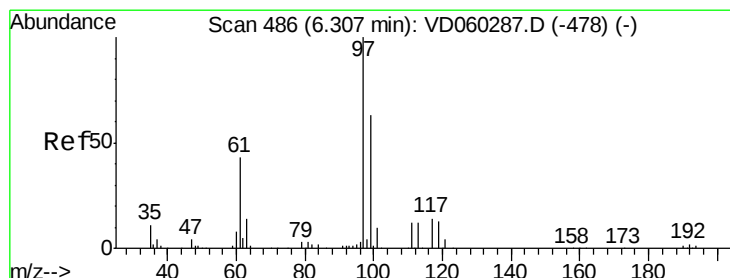
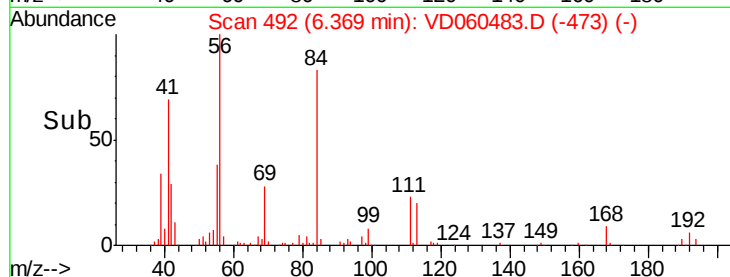
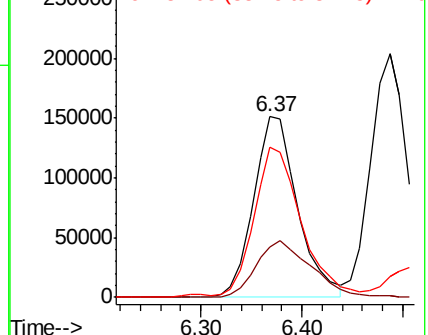
56 100

69 28.2 22.2 33.2

84 83.5 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: 22.386 ug/l

RT: 6.30 min Scan# 485

Delta R.T. -0.01 min

Lab File: VD060483.D

Acq: 4 Dec 2018 13:14

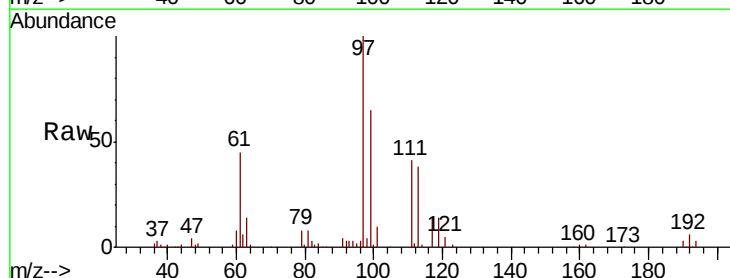
Tgt Ion: 97 Resp: 437223

Ion Ratio Lower Upper

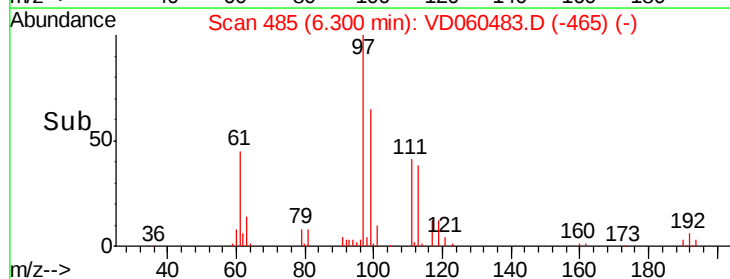
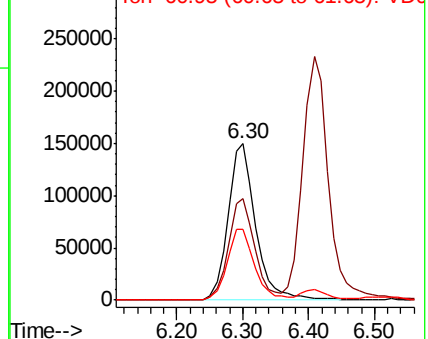
97 100

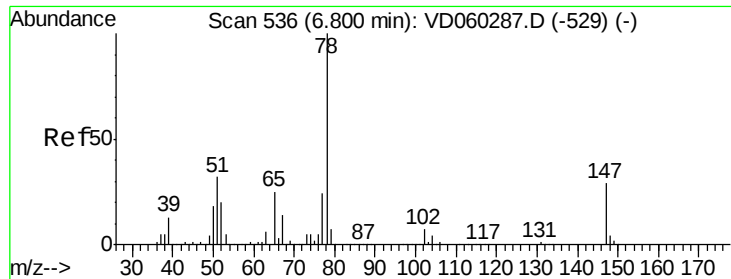
99 64.8 51.5 77.3

61 45.3 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: 22.386 ug/l

RT: 6.79 min Scan# 535

Delta R.T. -0.01 min

Lab File: VD060483.D

Acq: 4 Dec 2018 13:14

Instrument :

MSVOA_D

ClientSampleId :

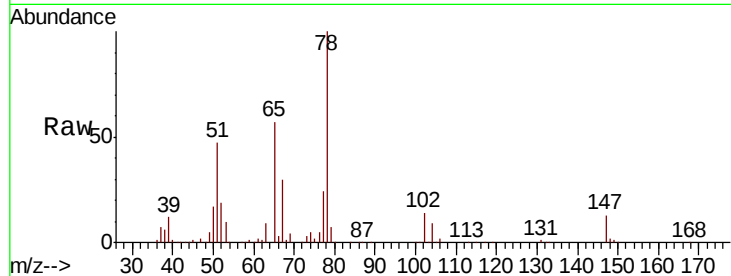
VD1204SBSD01

Tot Ion: 65 Resp: 525557

Ion Ratio Lower Upper

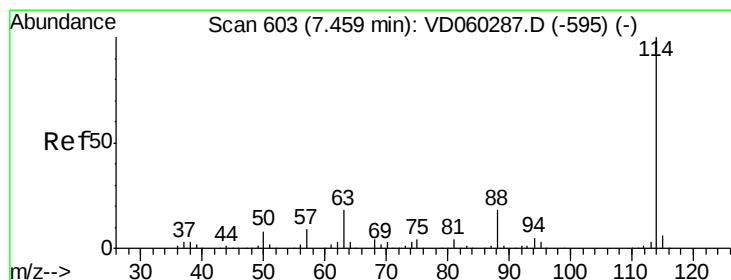
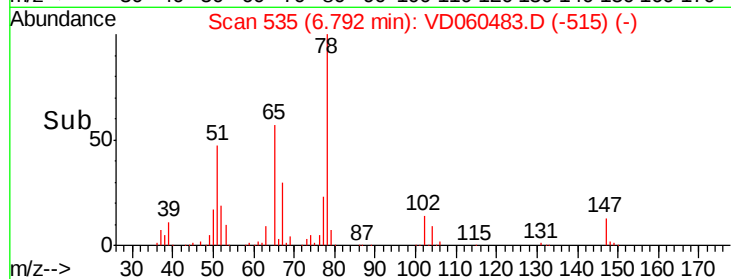
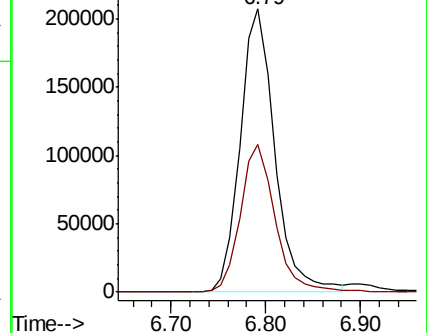
65 100

67 52.3 0.0 109.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.44 min Scan# 601

Delta R.T. -0.02 min

Lab File: VD060483.D

Acq: 4 Dec 2018 13:14

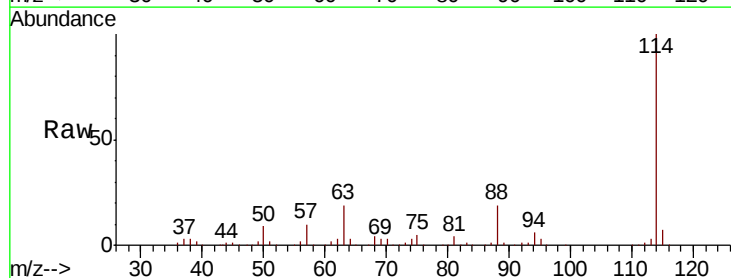
Tgt Ion: 114 Resp: 1764973

Ion Ratio Lower Upper

114 100

63 18.7 0.0 34.0

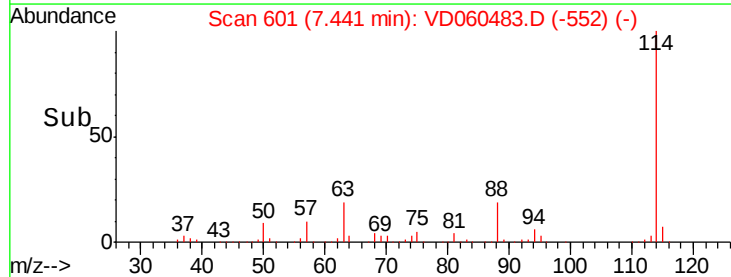
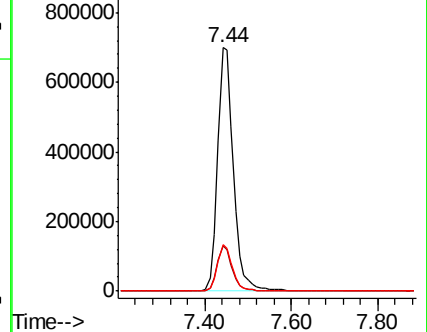
88 19.0 0.0 35.4

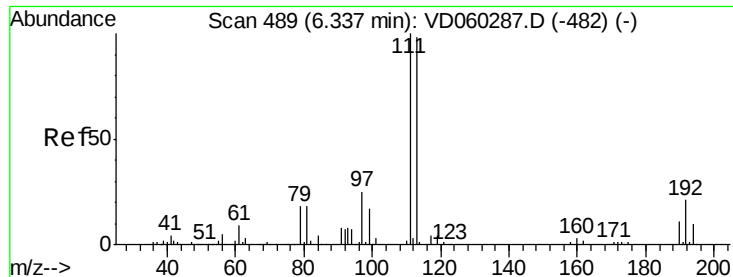


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

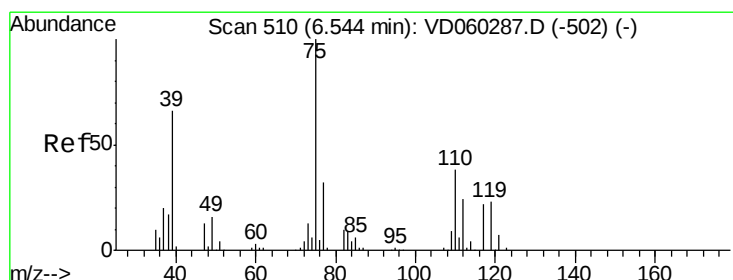
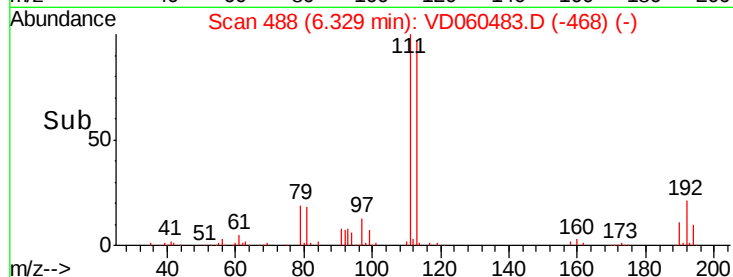
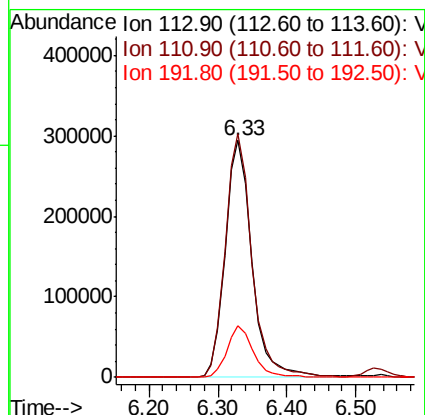
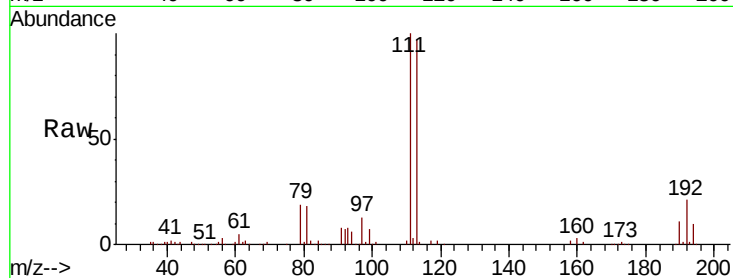




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.33 min Scan# 488
 Delta R.T. -0.01 min
 Lab File: VD060483.D
 Acq: 4 Dec 2018 13:14

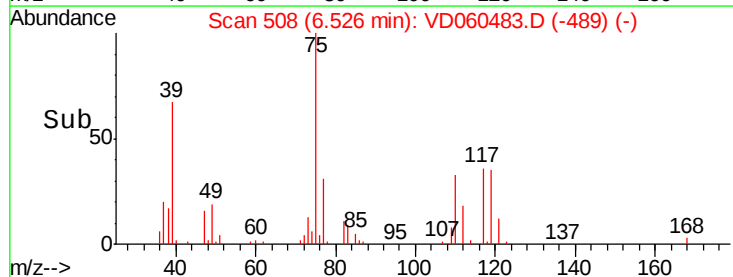
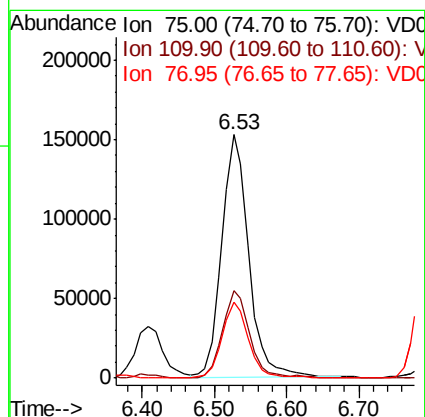
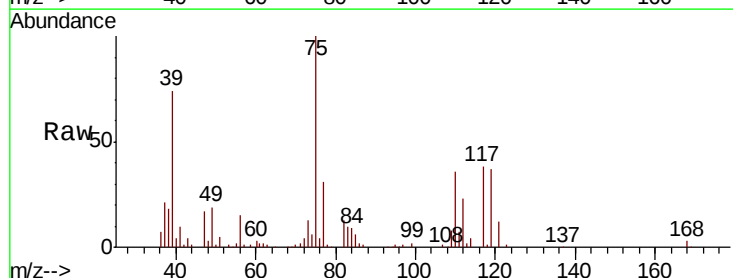
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1204SBSD01

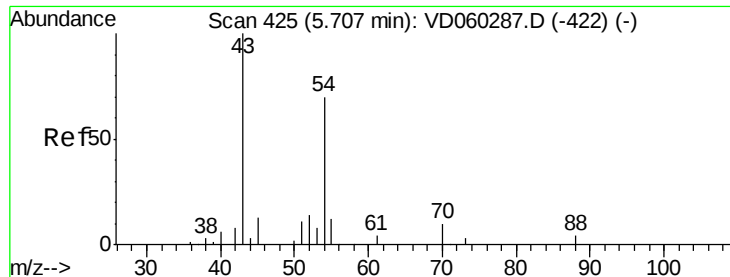
Tot Ion:113 Resp: 789400
 Ion Ratio Lower Upper
 113 100
 111 102.8 81.6 122.4
 192 21.7 16.5 24.7



#36
 1,1-Dichloropropene
 Concen: 22.550 ug/l
 RT: 6.53 min Scan# 508
 Delta R.T. -0.02 min
 Lab File: VD060483.D
 Acq: 4 Dec 2018 13:14

Tgt Ion: 75 Resp: 393212
 Ion Ratio Lower Upper
 75 100
 110 36.1 18.0 54.0
 77 31.2 25.6 38.4

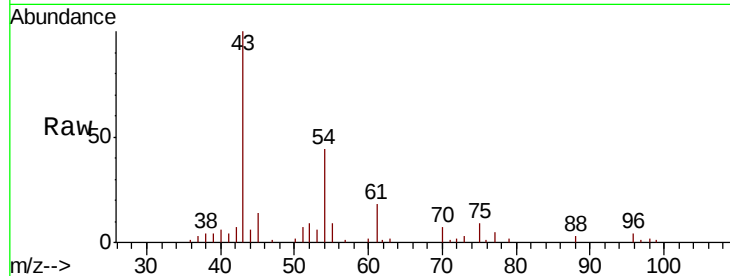




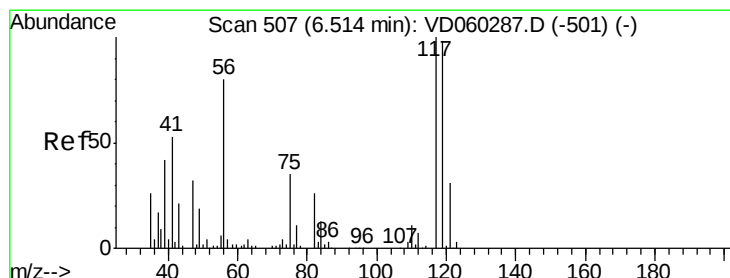
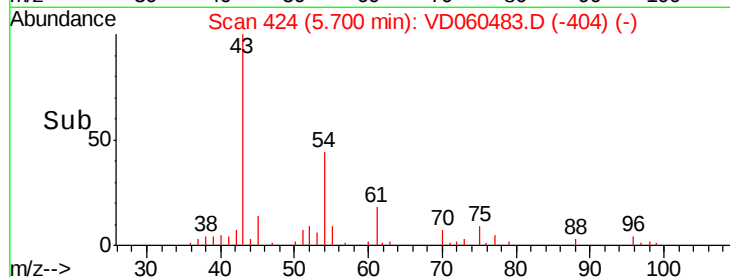
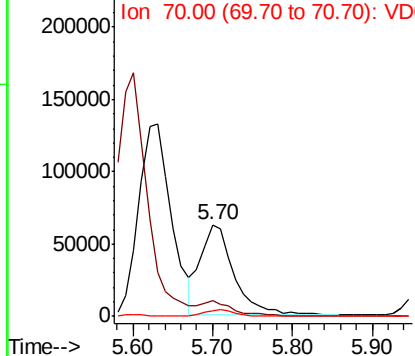
#37
Ethyl Acetate
Concen: 22.635 ug/l
RT: 5.70 min Scan# 424
Delta R.T. -0.01 min
Lab File: VD060483.D
Acq: 4 Dec 2018 13:14

Instrument :
MSVOA_D
ClientSampleId :
VD1204SBS01

Tot Ion: 43 Resp: 181619
Ion Ratio Lower Upper
43 100
61 17.6 11.8 17.6
70 6.5 6.2 9.4

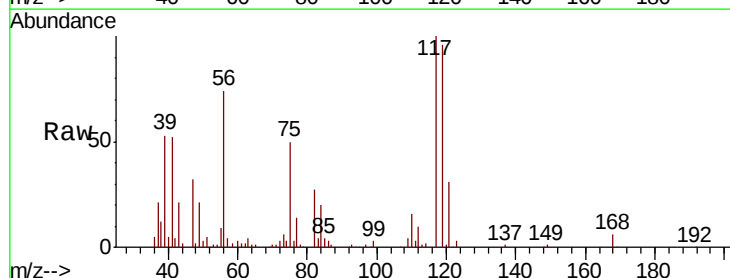


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

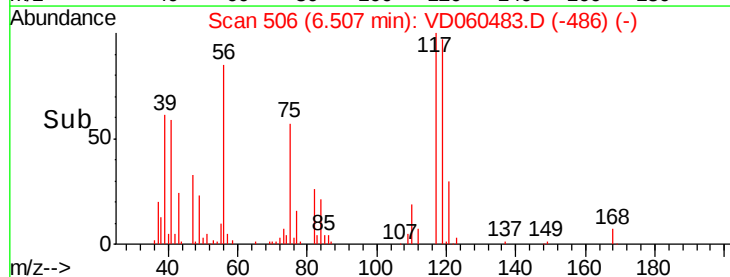
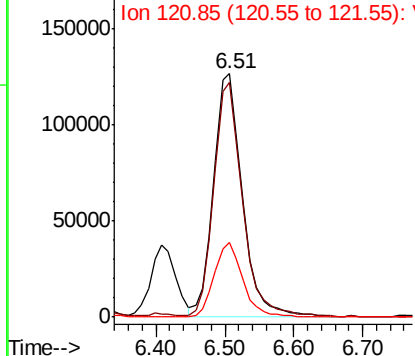


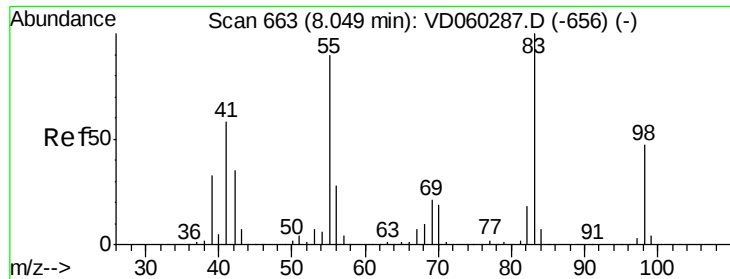
#38
Carbon Tetrachloride
Concen: 22.528 ug/l
RT: 6.51 min Scan# 506
Delta R.T. -0.01 min
Lab File: VD060483.D
Acq: 4 Dec 2018 13:14

Tgt Ion: 117 Resp: 364404
Ion Ratio Lower Upper
117 100
119 96.3 76.6 115.0
121 30.6 24.3 36.5



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

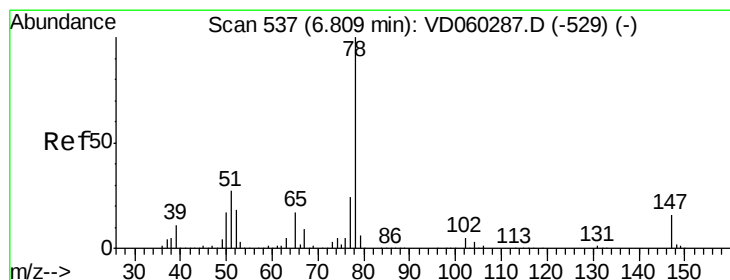
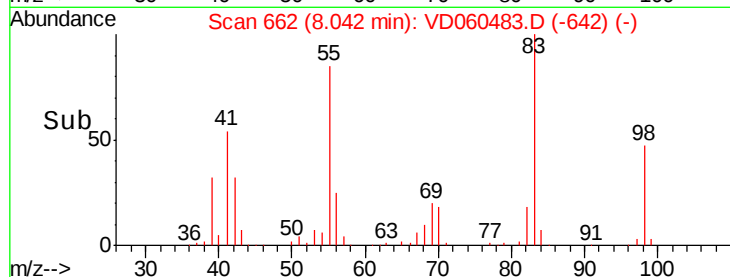
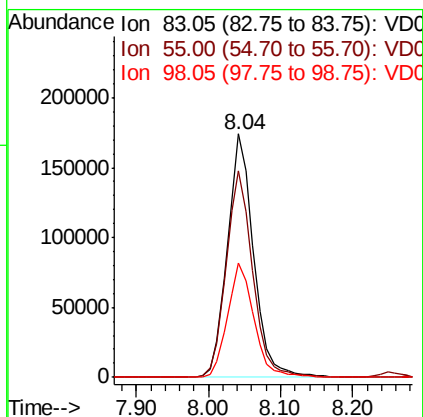
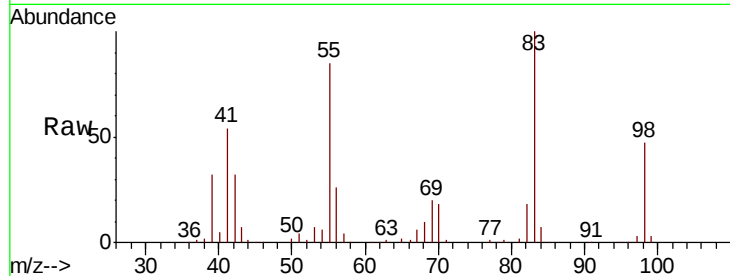




#39
Methvlcvclohexane
Concen: 21.964 ug/l
RT: 8.04 min Scan# 662
Delta R.T. -0.01 min
Lab File: VD060483.D
Acq: 4 Dec 2018 13:14

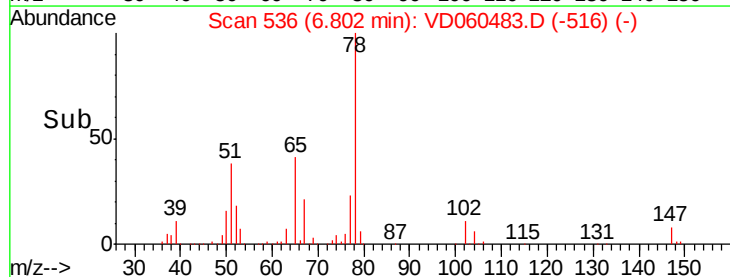
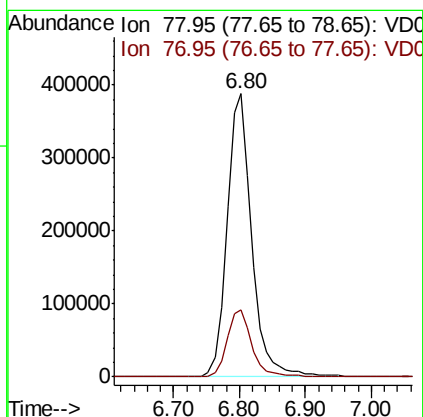
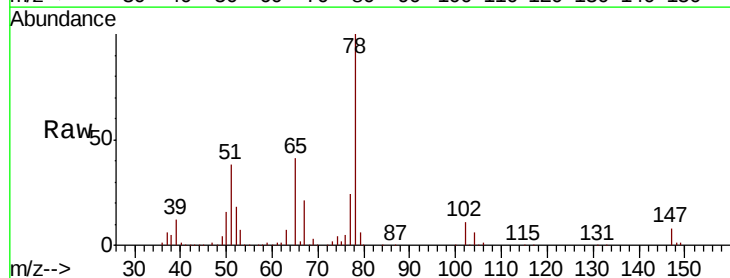
Instrument :
MSVOA_D
ClientSampleId :
VD1204SBSD01

Tot Ion: 83 Resp: 440498
Ion Ratio Lower Upper
83 100
55 85.0 71.2 106.8
98 47.0 38.4 57.6



#40
Benzene
Concen: 22.719 ug/l
RT: 6.80 min Scan# 536
Delta R.T. -0.01 min
Lab File: VD060483.D
Acq: 4 Dec 2018 13:14

Tgt Ion: 78 Resp: 1011212
Ion Ratio Lower Upper
78 100
77 23.6 18.8 28.2





#41

Methacrylonitrile

Concen: 23.266 ug/l

RT: 5.96 min Scan# 450

Delta R.T. -0.01 min

Lab File: VD060483.D

Acq: 4 Dec 2018 13:14

Instrument :

MSVOA_D

ClientSampleId :

VD1204SBS01

Tot Ion: 41 Resp: 213666

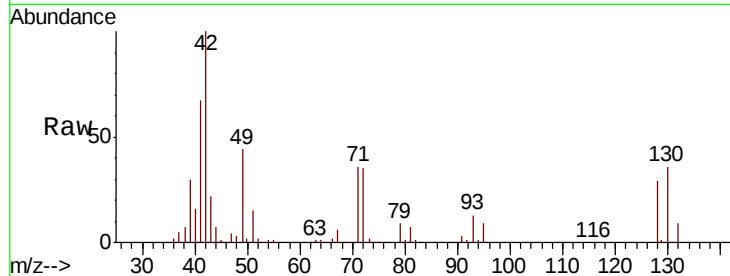
Ion Ratio Lower Upper

41 100

39 44.0 36.2 54.2

67 8.6 11.9 17.9#

52 3.6 5.2 7.8#

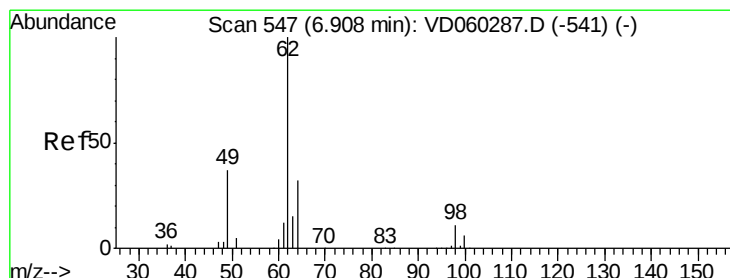
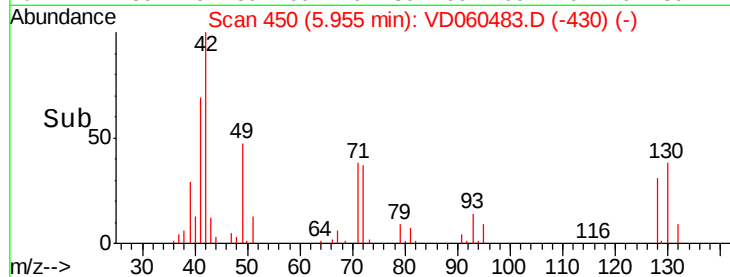
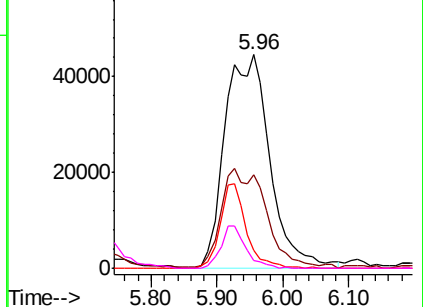


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 22.891 ug/l

RT: 6.90 min Scan# 546

Delta R.T. -0.01 min

Lab File: VD060483.D

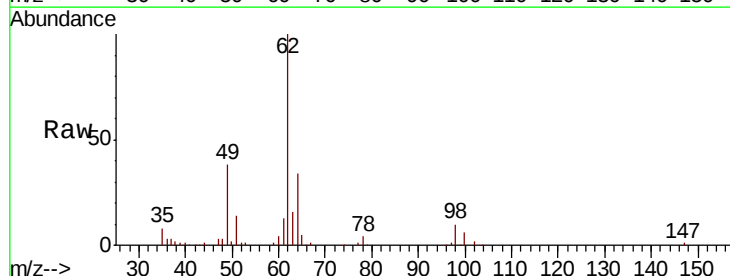
Acq: 4 Dec 2018 13:14

Tgt Ion: 62 Resp: 266687

Ion Ratio Lower Upper

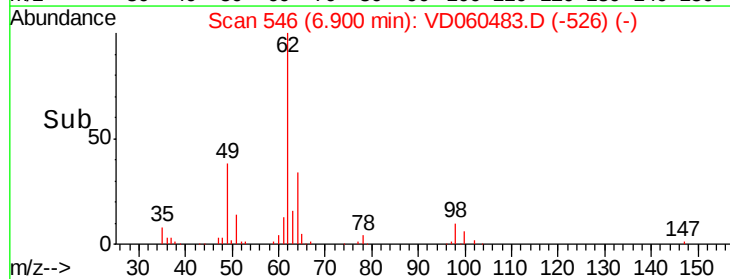
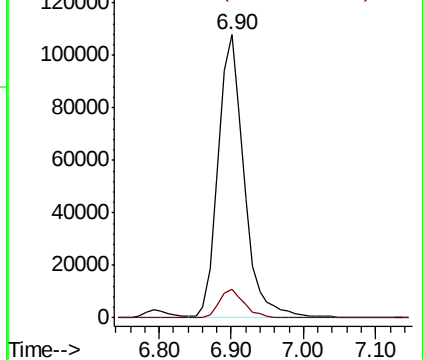
62 100

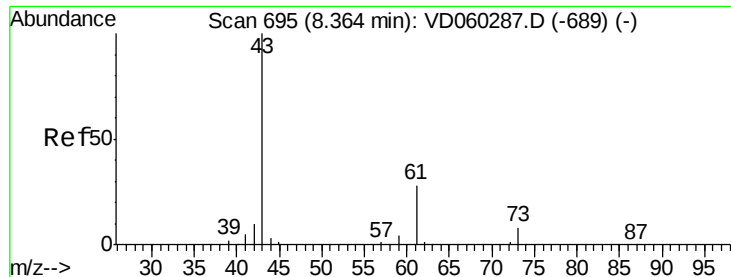
98 10.1 0.0 22.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 22.676 ug/l

RT: 8.36 min Scan# 694

Delta R.T. -0.01 min

Lab File: VD060483.D

Acq: 4 Dec 2018 13:14

Instrument :

MSVOA_D

ClientSampleId :

VD1204SBSD01

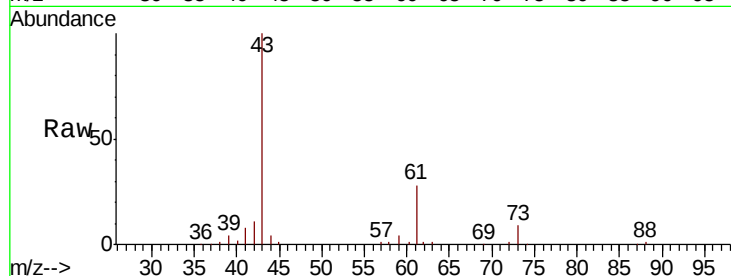
Tot Ion: 43 Resp: 228556

Ion Ratio Lower Upper

43 100

61 28.1 22.3 33.5

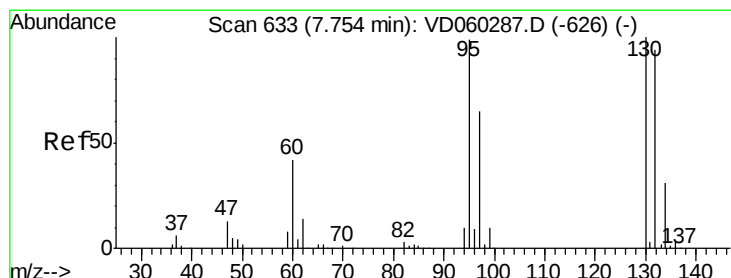
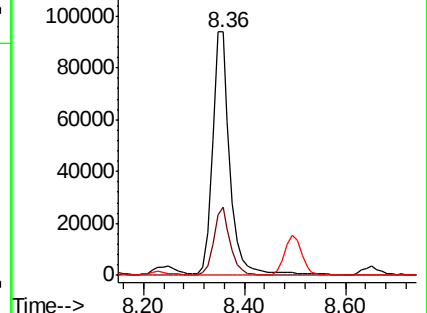
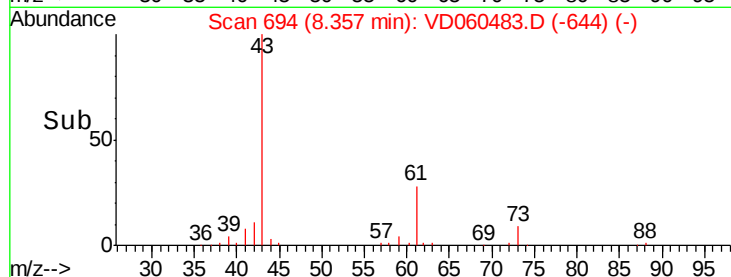
87 0.3 0.2 0.2#



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: 22.867 ug/l

RT: 7.75 min Scan# 632

Delta R.T. -0.01 min

Lab File: VD060483.D

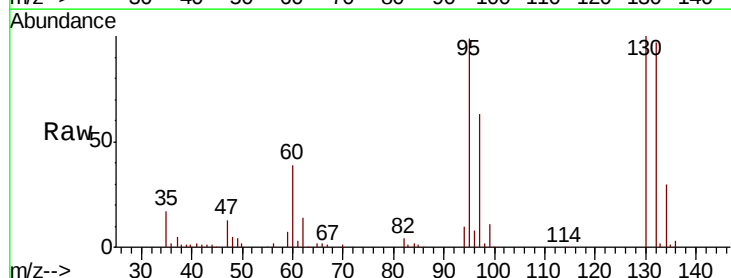
Acq: 4 Dec 2018 13:14

Tgt Ion:130 Resp: 308541

Ion Ratio Lower Upper

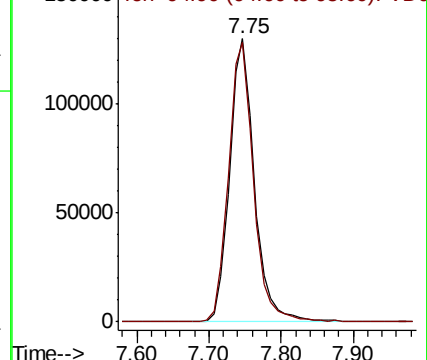
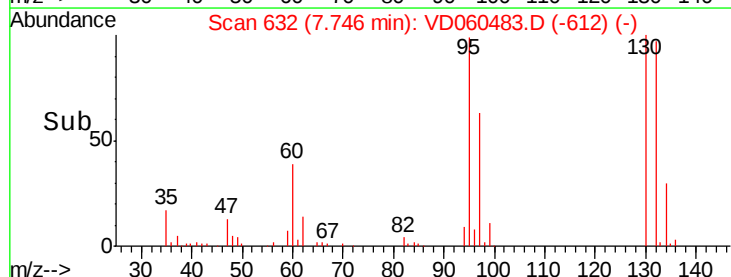
130 100

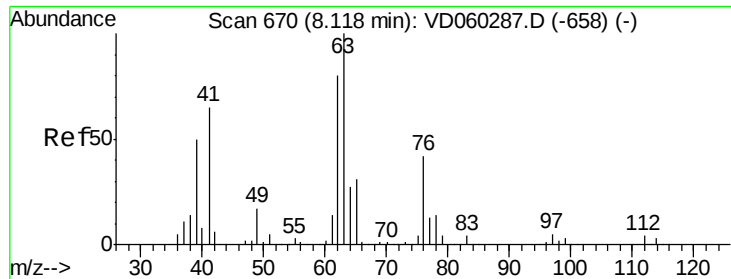
95 98.9 0.0 200.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 22.749 ug/l

RT: 8.11 min Scan# 669

Delta R.T. -0.01 min

Lab File: VD060483.D

Acq: 4 Dec 2018 13:14

Instrument :

MSVOA_D

ClientSampleId :

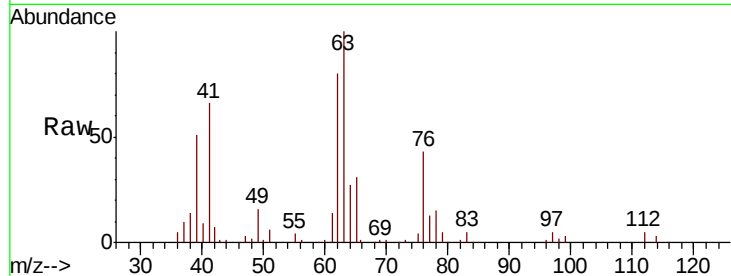
VD1204SBS01

Tot Ion: 63 Resp: 255370

Ion Ratio Lower Upper

63 100

65 31.3 23.4 35.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

120000

100000

80000

60000

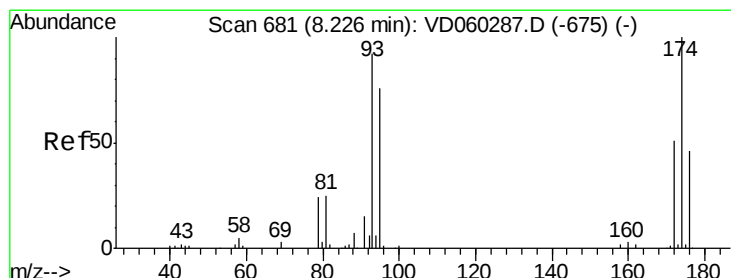
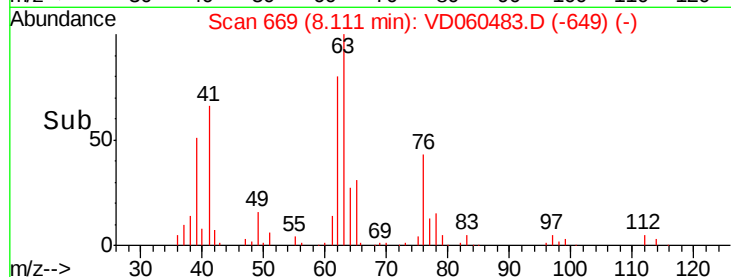
40000

20000

0

Time--> 7.90 8.00 8.10 8.20 8.30

8.11



#46

Dibromomethane

Concen: 22.368 ug/l

RT: 8.22 min Scan# 680

Delta R.T. -0.01 min

Lab File: VD060483.D

Acq: 4 Dec 2018 13:14

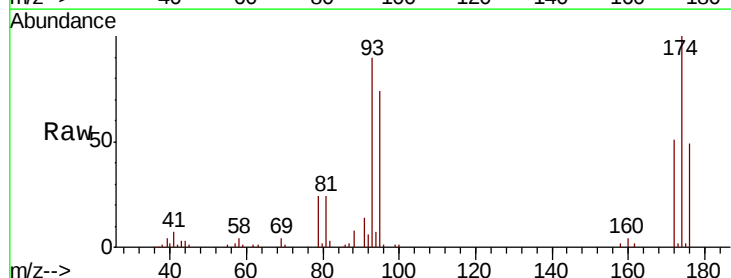
Tgt Ion: 93 Resp: 147060

Ion Ratio Lower Upper

93 100

95 81.7 66.4 99.6

174 110.8 87.8 131.8



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

100000

80000

60000

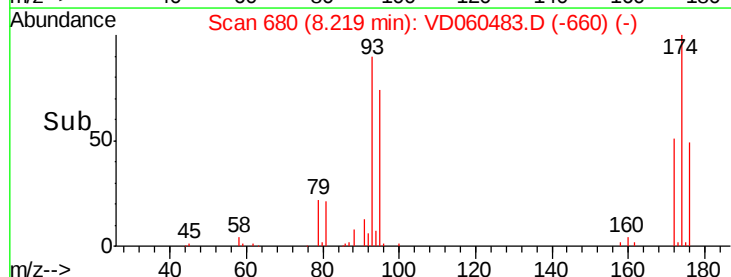
40000

20000

0

Time--> 8.10 8.20 8.30 8.40

8.22





#47

Bromodichloromethane

Concen: 23.152 ug/l

RT: 8.49 min Scan# 708

Delta R.T. -0.01 min

Lab File: VD060483.D

Acq: 4 Dec 2018 13:14

Instrument :

MSVOA_D

ClientSampleId :

VD1204SBSD01

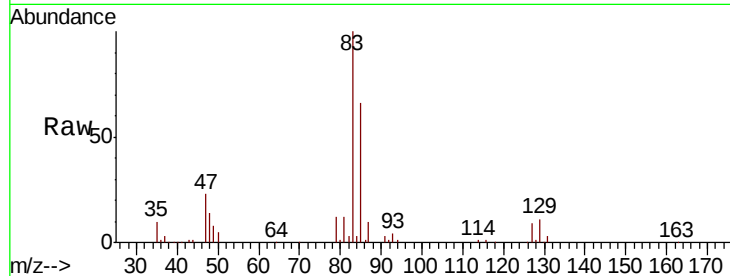
Tot Ion: 83 Resp: 358699

Ion Ratio Lower Upper

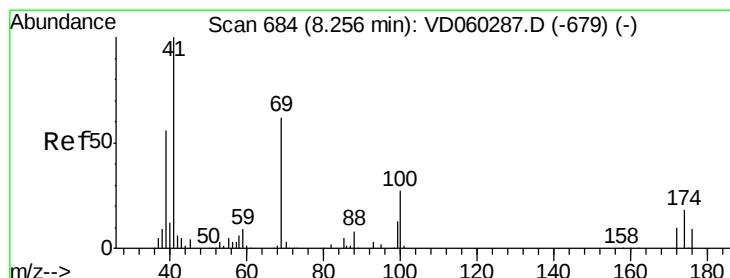
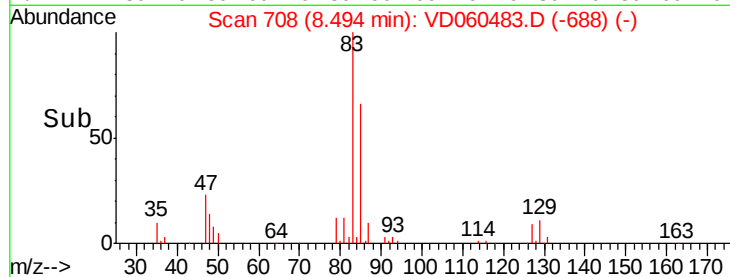
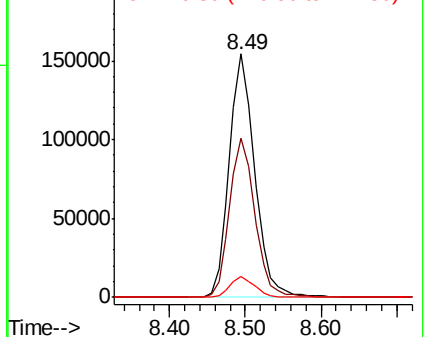
83 100

85 65.5 51.0 76.6

127 8.6 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: 21.982 ug/l

RT: 8.25 min Scan# 683

Delta R.T. -0.01 min

Lab File: VD060483.D

Acq: 4 Dec 2018 13:14

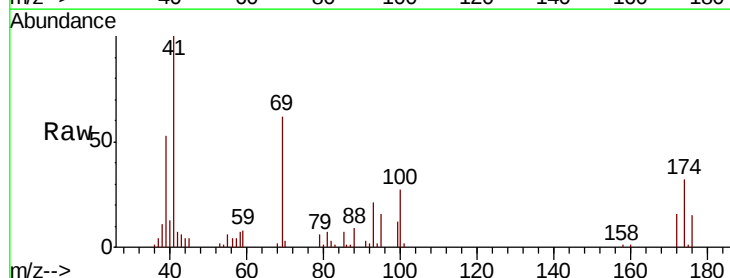
Tgt Ion: 41 Resp: 134577

Ion Ratio Lower Upper

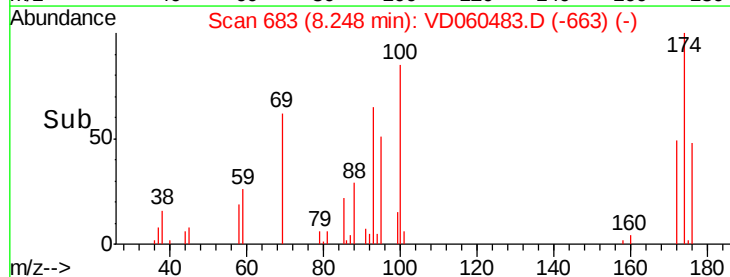
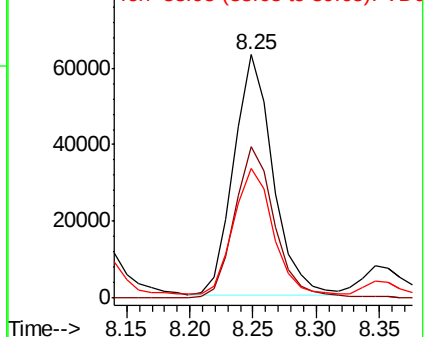
41 100

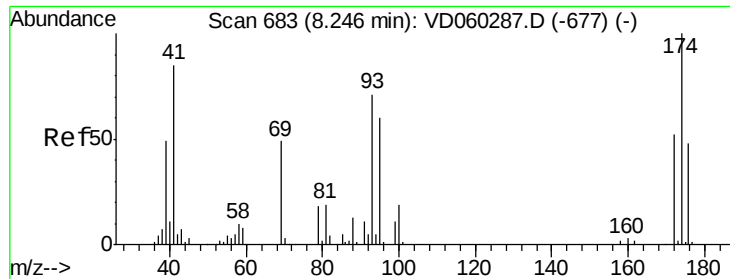
69 62.2 47.0 70.4

39 53.2 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

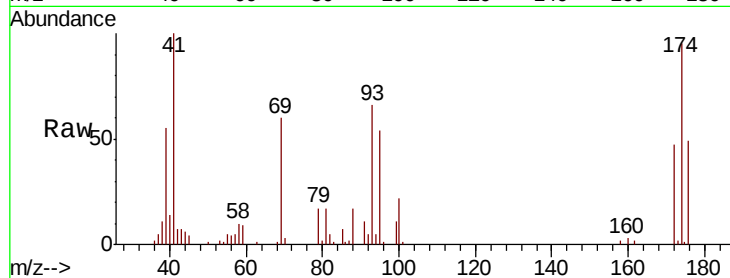




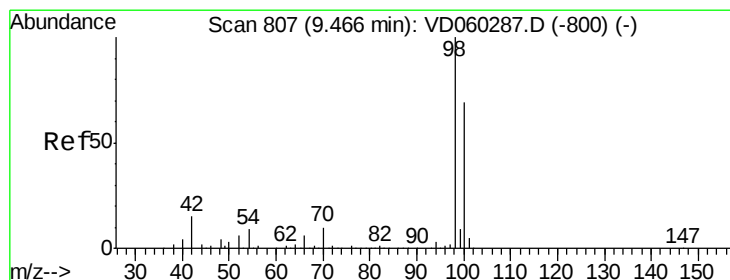
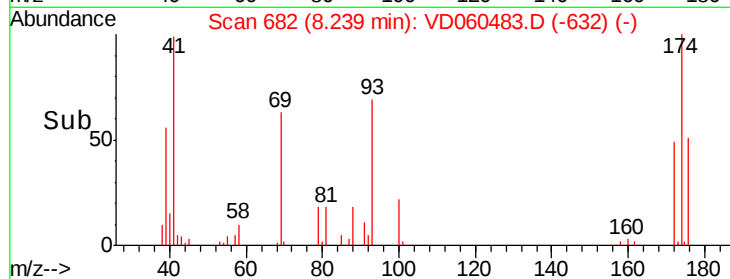
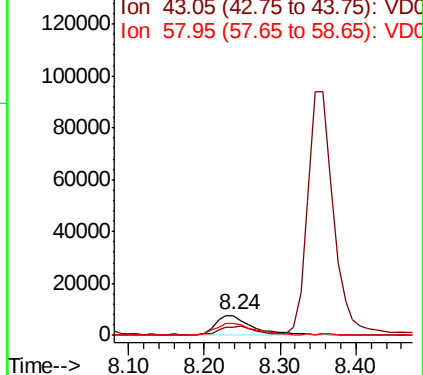
#49
1,4-Dioxane
Concen: 503.991 ug/l
RT: 8.24 min Scan# 682
Delta R.T. -0.01 min
Lab File: VD060483.D
Acq: 4 Dec 2018 13:14

Instrument :
MSVOA_D
ClientSampleId :
VD1204SBSD01

Tot Ion: 88 Resp: 26697
Ion Ratio Lower Upper
88 100
43 43.1 39.7 59.5
58 56.2 60.2 90.2#

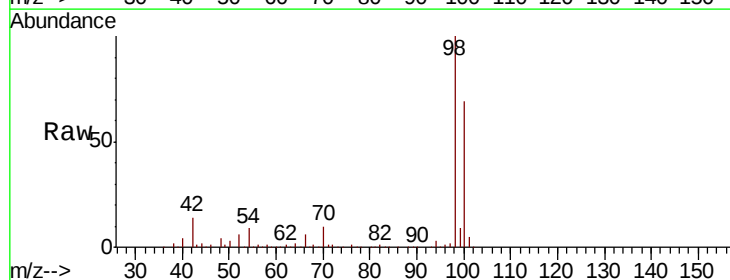


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

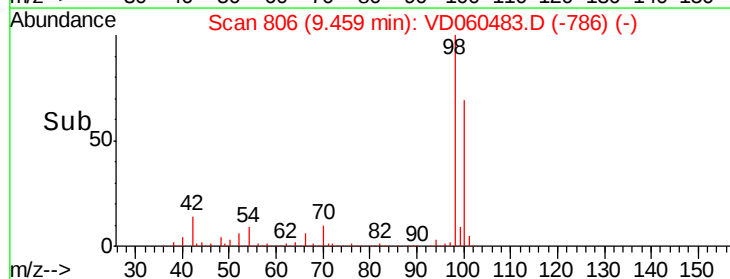
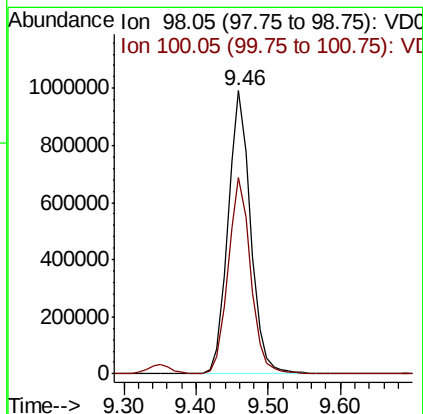


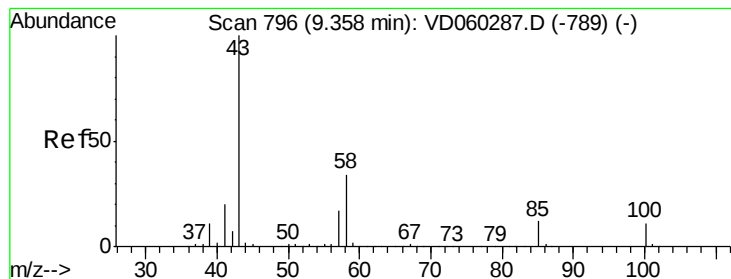
#50
Toluene-d8
Concen: 503.991 ug/l
RT: 9.46 min Scan# 806
Delta R.T. -0.01 min
Lab File: VD060483.D
Acq: 4 Dec 2018 13:14

Tgt Ion: 98 Resp: 2154387
Ion Ratio Lower Upper
98 100
100 69.3 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: 111.786 ug/l

RT: 9.35 min Scan# 795

Delta R.T. -0.01 min

Lab File: VD060483.D

Acq: 4 Dec 2018 13:14

Instrument :

MSVOA_D

ClientSampleId :

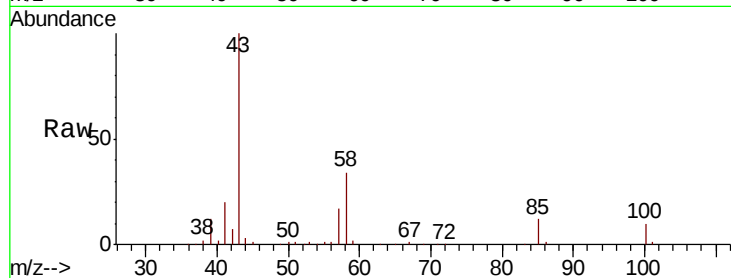
VD1204SBS01

Tot Ion: 43 Resp: 733323

Ion Ratio Lower Upper

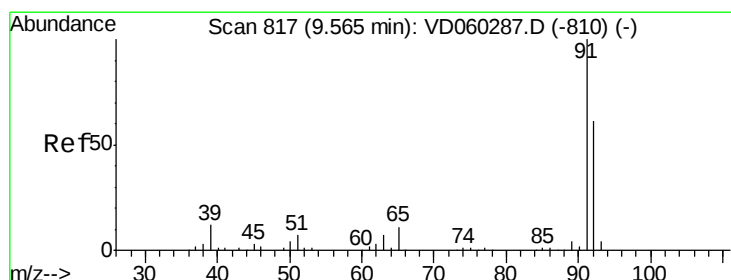
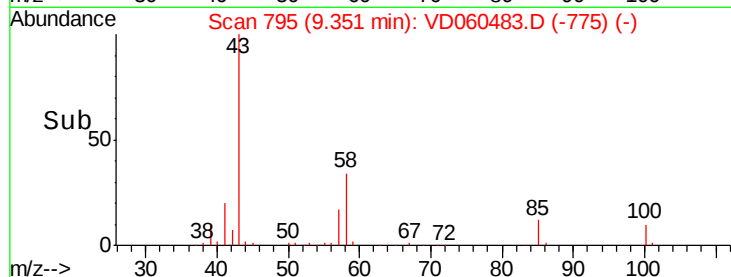
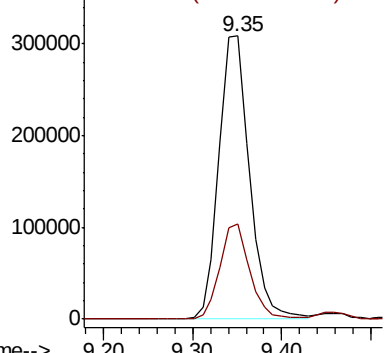
43 100

58 33.6 26.1 39.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 22.285 ug/l

RT: 9.55 min Scan# 815

Delta R.T. -0.02 min

Lab File: VD060483.D

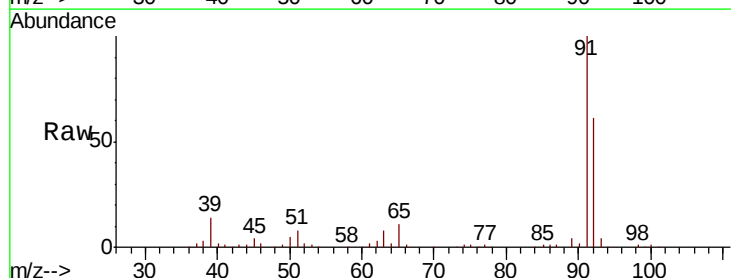
Acq: 4 Dec 2018 13:14

Tgt Ion: 92 Resp: 633628

Ion Ratio Lower Upper

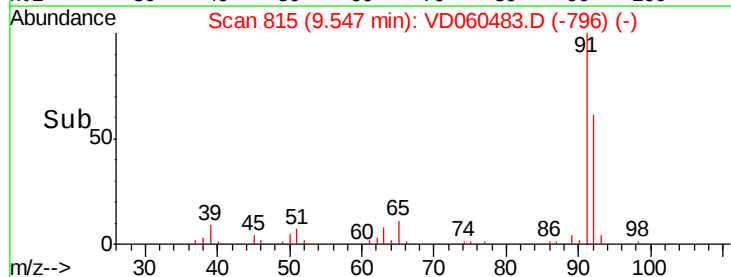
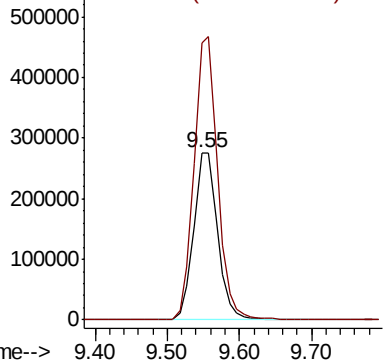
92 100

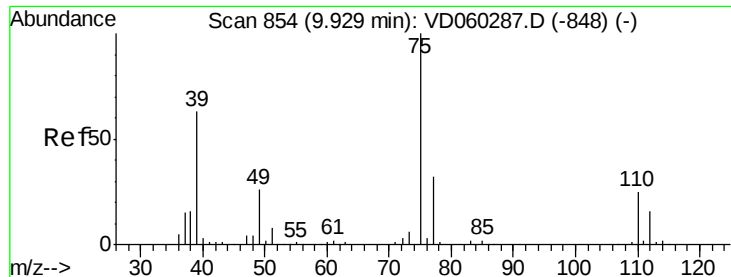
91 165.0 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

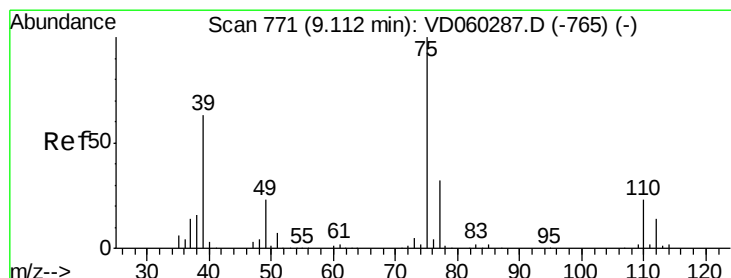
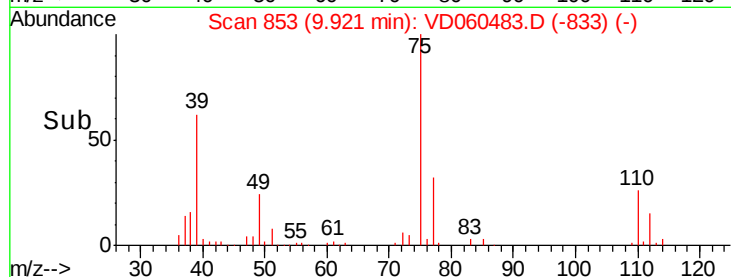
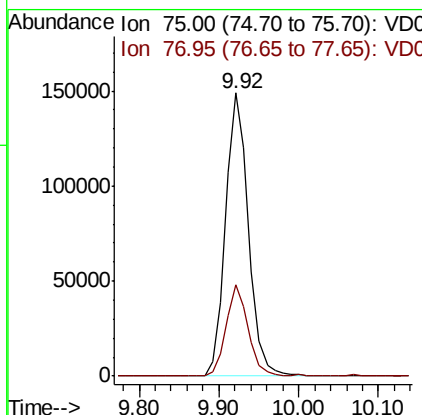
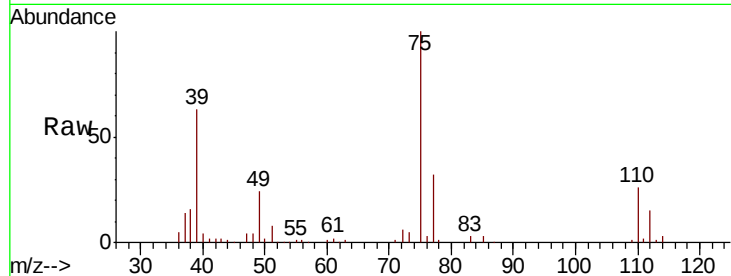




#53
 t-1,3-Dichloropropene
 Concen: 23.008 ug/l
 RT: 9.92 min Scan# 853
 Delta R.T. -0.01 min
 Lab File: VD060483.D
 Acq: 4 Dec 2018 13:14

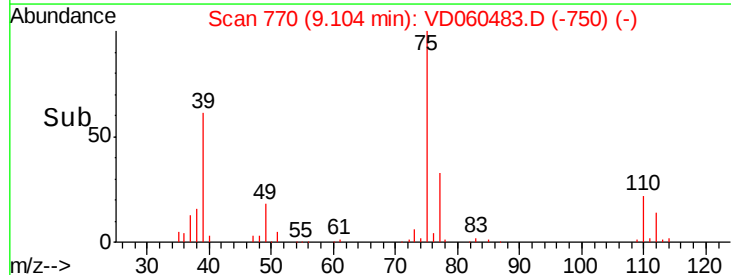
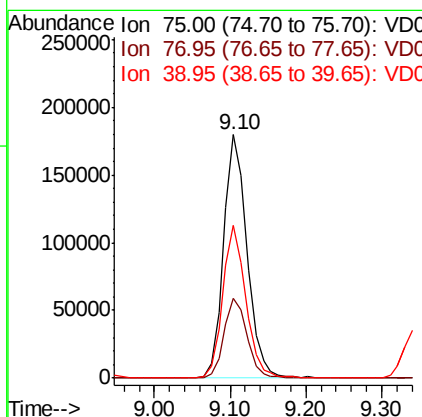
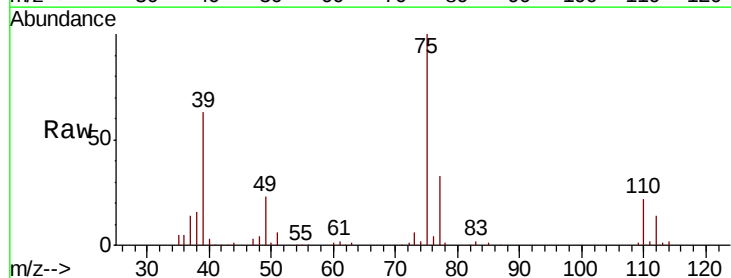
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1204SBSD01

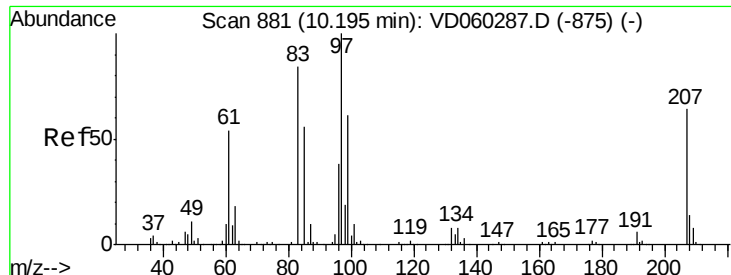
Tot Ion: 75 Resp: 301178
 Ion Ratio Lower Upper
 75 100
 77 32.5 25.2 37.8



#54
 cis-1,3-Dichloropropene
 Concen: 22.970 ug/l
 RT: 9.10 min Scan# 770
 Delta R.T. -0.01 min
 Lab File: VD060483.D
 Acq: 4 Dec 2018 13:14

Tgt Ion: 75 Resp: 385659
 Ion Ratio Lower Upper
 75 100
 77 32.6 26.3 39.5
 39 62.5 50.8 76.2

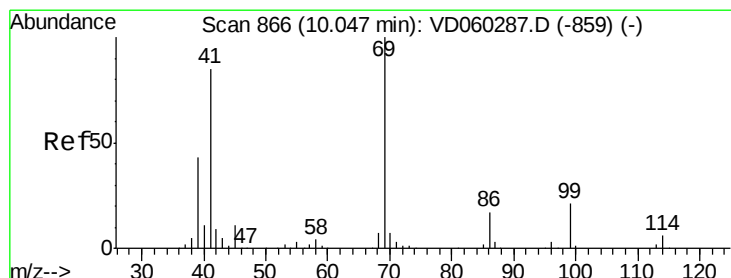
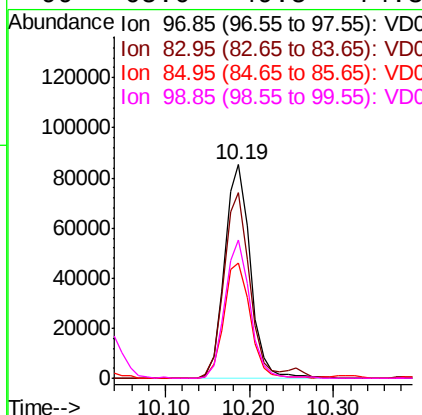
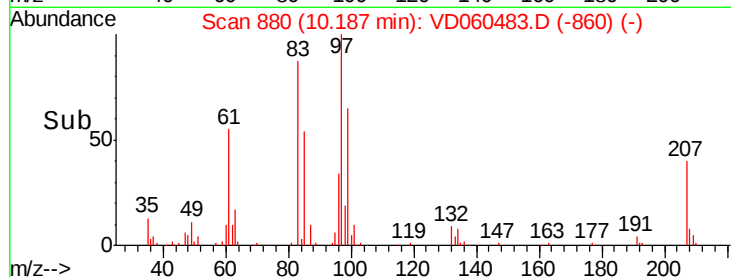
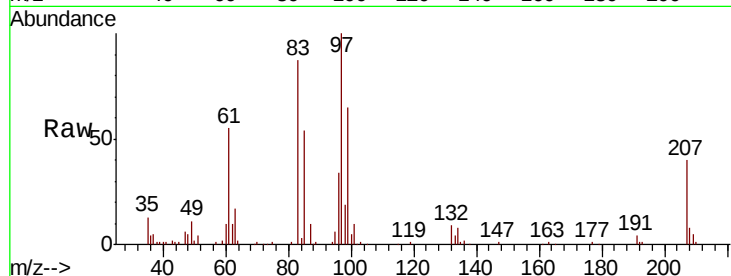




#55
 1,1,2-Trichloroethane
 Concen: 21.956 ug/l
 RT: 10.19 min Scan# 880
 Delta R.T. -0.01 min
 Lab File: VD060483.D
 Acq: 4 Dec 2018 13:14

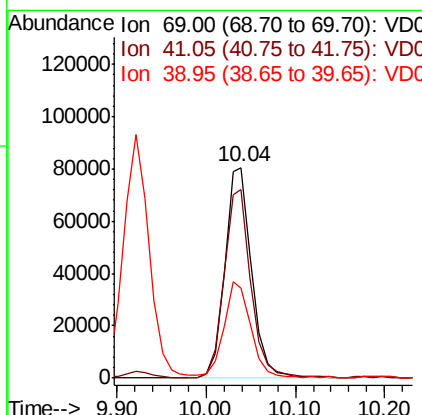
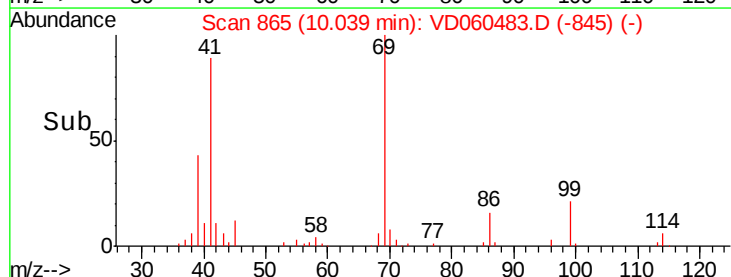
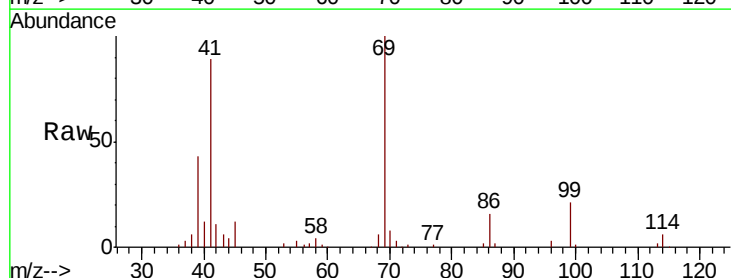
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1204SBS01

Tot Ion: 97 Resp: 180936
 Ion Ratio Lower Upper
 97 100
 83 86.9 68.4 102.6
 85 54.2 46.8 70.2
 99 65.0 49.5 74.3



#56
 Ethyl methacrylate
 Concen: 22.275 ug/l
 RT: 10.04 min Scan# 865
 Delta R.T. -0.01 min
 Lab File: VD060483.D
 Acq: 4 Dec 2018 13:14

Tgt Ion: 69 Resp: 168774
 Ion Ratio Lower Upper
 69 100
 41 89.5 69.0 103.4
 39 42.9 36.6 54.8





#57

1,3-Dichloropropane

Concen: 22.134 ug/l

RT: 10.38 min Scan# 900

Delta R.T. -0.01 min

Lab File: VD060483.D

Acq: 4 Dec 2018 13:14

Instrument :

MSVOA_D

ClientSampleId :

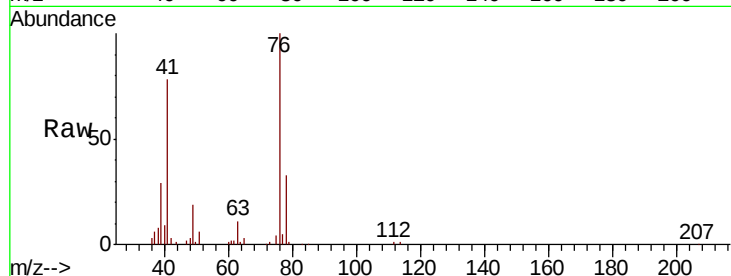
VD1204SBSD01

Tot Ion: 76 Resp: 277936

Ion Ratio Lower Upper

76 100

78 32.6 25.9 38.9



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

10.38

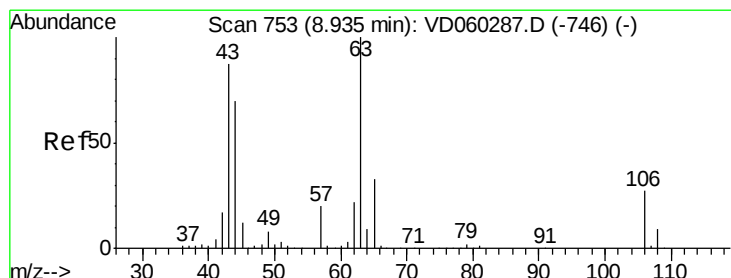
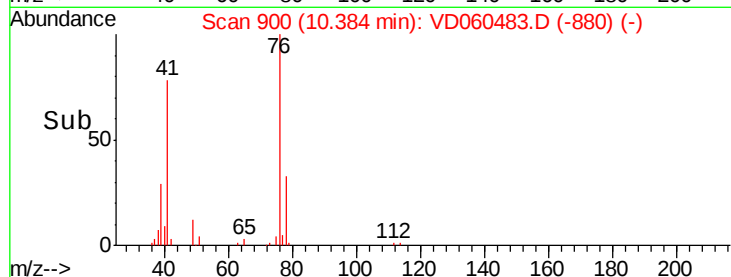
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 118.802 ug/l

RT: 8.93 min Scan# 752

Delta R.T. -0.01 min

Lab File: VD060483.D

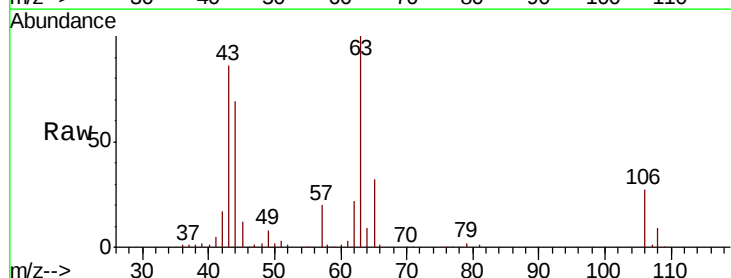
Acq: 4 Dec 2018 13:14

Tgt Ion: 63 Resp: 544283

Ion Ratio Lower Upper

63 100

106 26.7 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

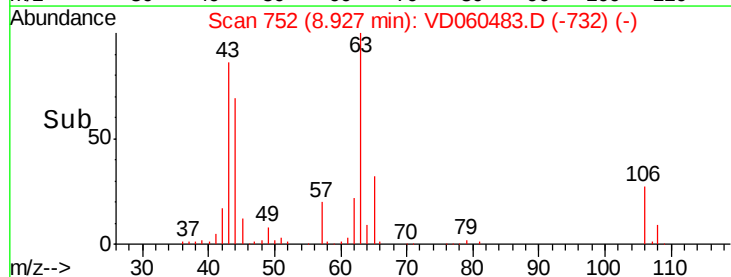
150000

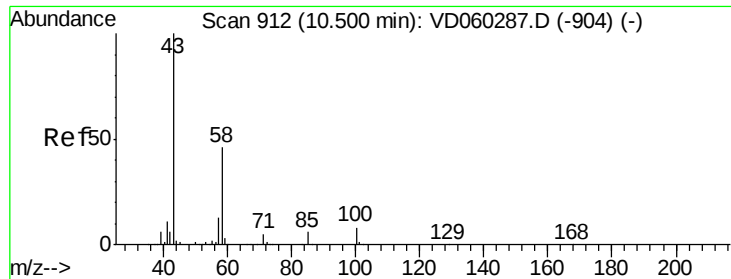
100000

50000

0

Time-->

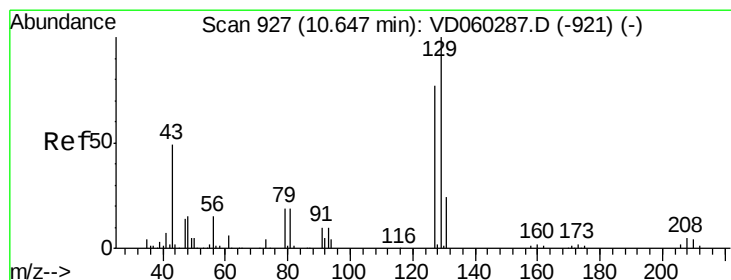
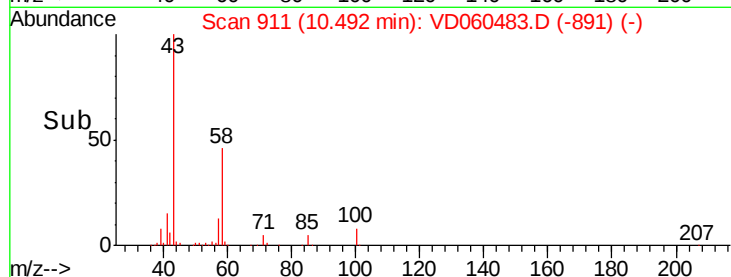
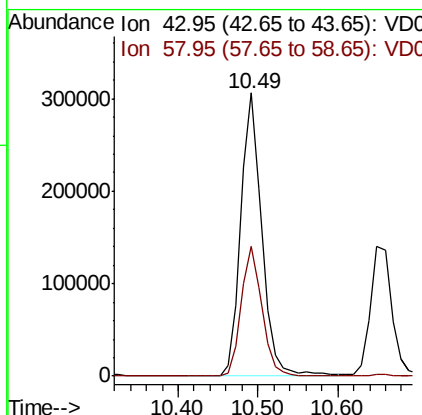
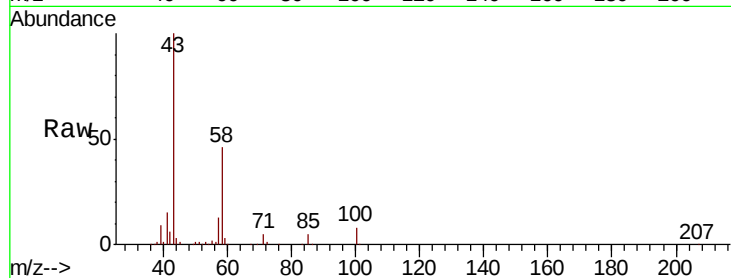




#59
2-Hexanone
Concen: 120.382 ug/l
RT: 10.49 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD060483.D
Acq: 4 Dec 2018 13:14

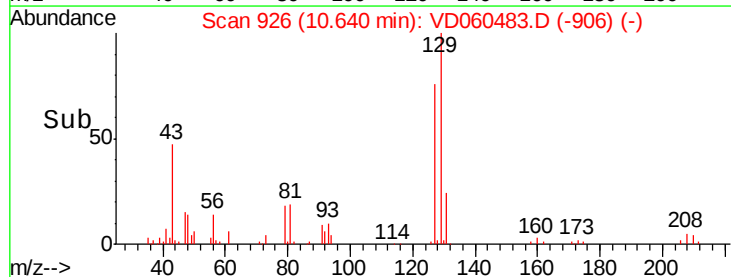
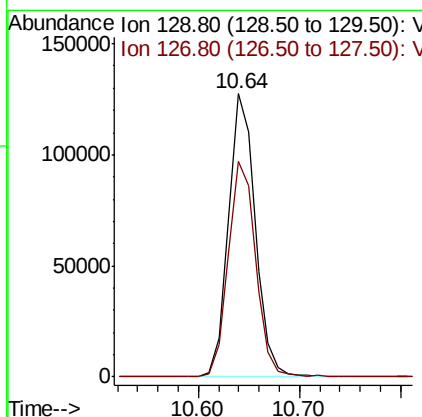
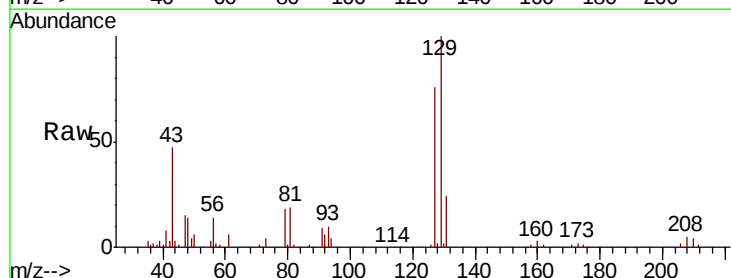
Instrument :
MSVOA_D
ClientSampleId :
VD1204SBSD01

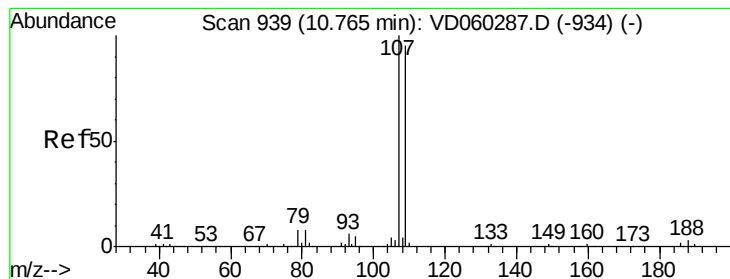
Tot Ion: 43 Resp: 562856
Ion Ratio Lower Upper
43 100
58 45.9 22.9 68.5



#60
Dibromochloromethane
Concen: 23.391 ug/l
RT: 10.64 min Scan# 926
Delta R.T. -0.01 min
Lab File: VD060483.D
Acq: 4 Dec 2018 13:14

Tgt Ion:129 Resp: 234318
Ion Ratio Lower Upper
129 100
127 76.1 38.9 116.6





#61

1,2-Dibromoethane

Concen: 22.835 ug/l

RT: 10.76 min Scan# 938

Delta R.T. -0.01 min

Lab File: VD060483.D

Acq: 4 Dec 2018 13:14

Instrument :

MSVOA_D

ClientSampleId :

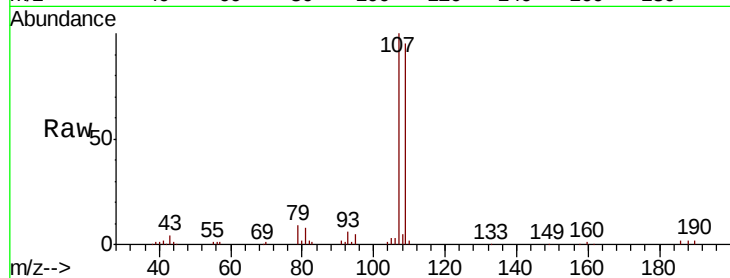
VD1204SBSD01

Tot Ion:107 Resp: 188543

Ion Ratio Lower Upper

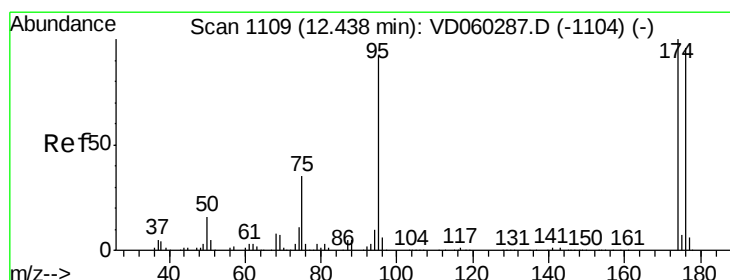
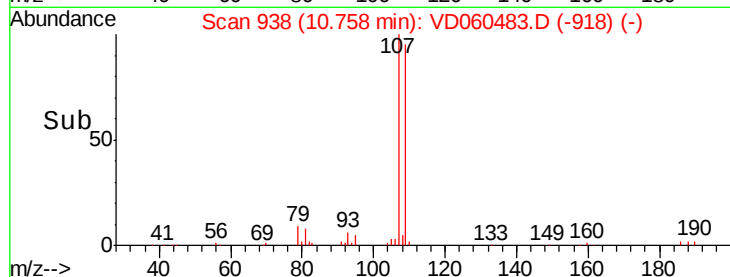
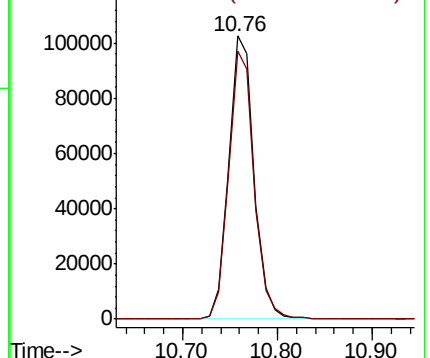
107 100

109 94.5 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 22.835 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VD060483.D

Acq: 4 Dec 2018 13:14

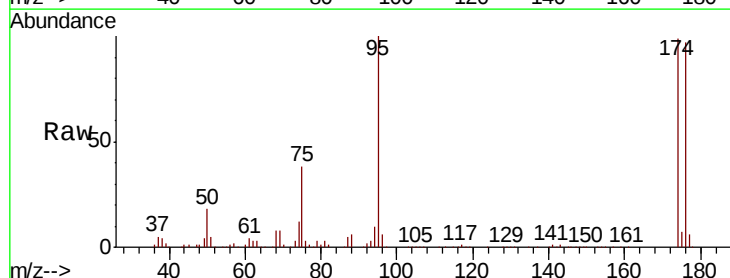
Tgt Ion: 95 Resp: 793980

Ion Ratio Lower Upper

95 100

174 98.9 0.0 160.8

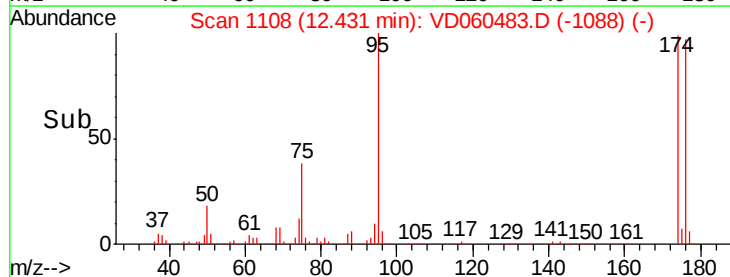
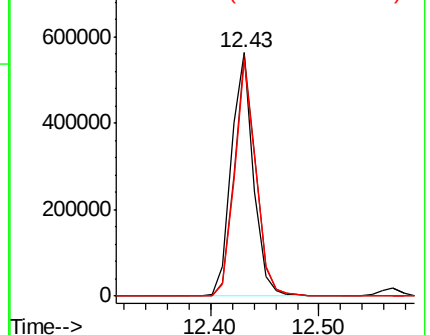
176 97.1 0.0 154.6

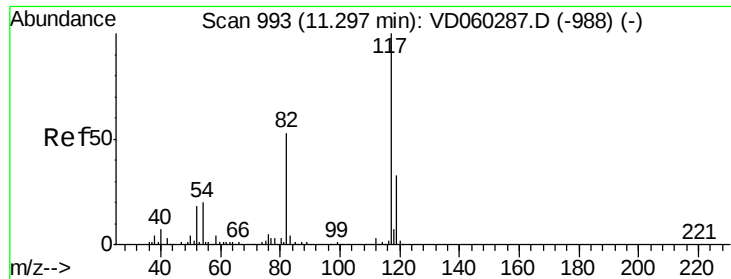


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

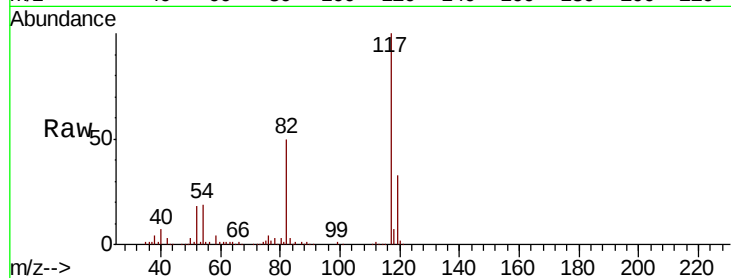




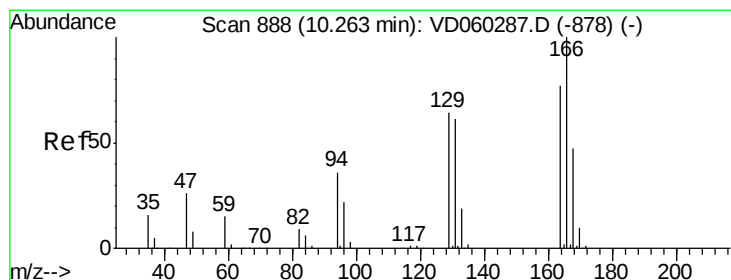
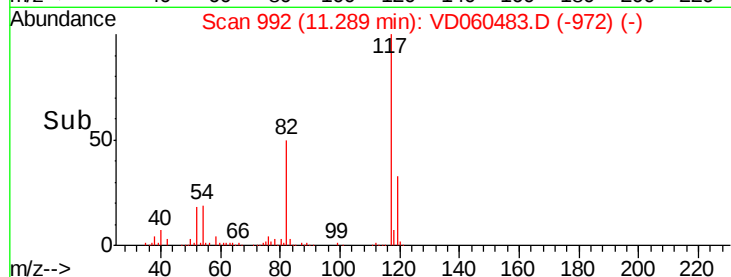
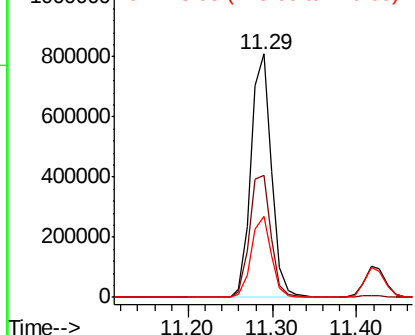
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.29 min Scan# 992
Delta R.T. -0.01 min
Lab File: VD060483.D
Acq: 4 Dec 2018 13:14

Instrument :
MSVOA_D
ClientSampleId :
VD1204SBSD01

Tot Ion:117 Resp: 1382883
Ion Ratio Lower Upper
117 100
82 50.2 43.7 65.5
119 33.5 26.1 39.1

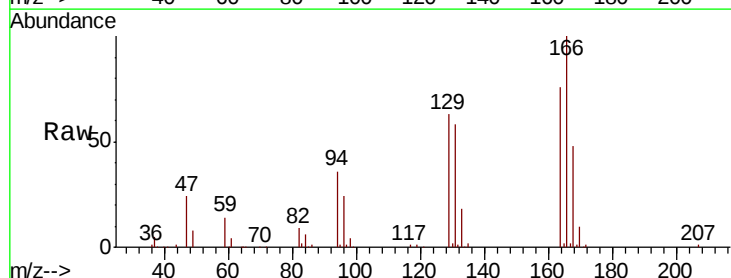


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

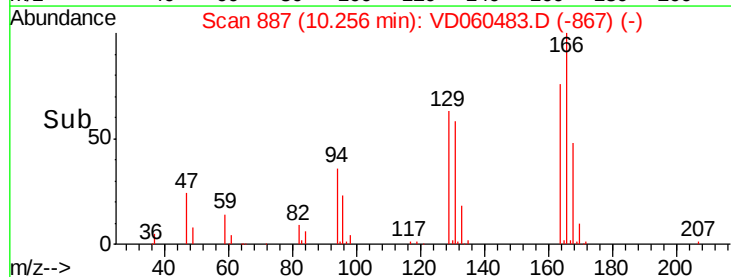
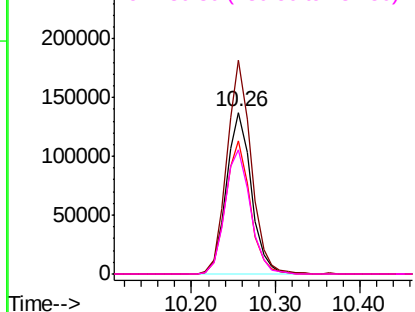


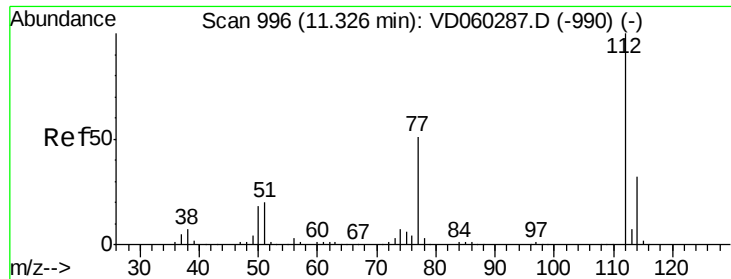
#64
Tetrachloroethene
Concen: 22.747 ug/l
RT: 10.26 min Scan# 887
Delta R.T. -0.01 min
Lab File: VD060483.D
Acq: 4 Dec 2018 13:14

Tgt Ion:164 Resp: 280824
Ion Ratio Lower Upper
164 100
166 132.3 103.7 155.5
129 82.9 65.6 98.4
131 76.9 64.4 96.6



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

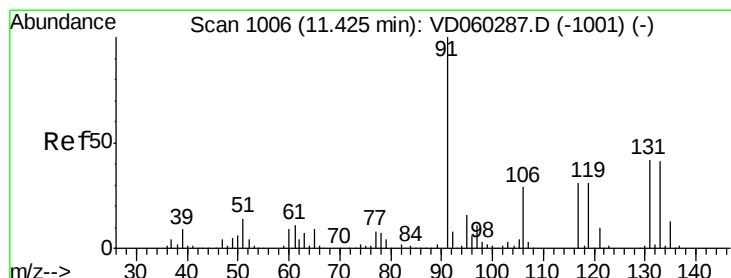
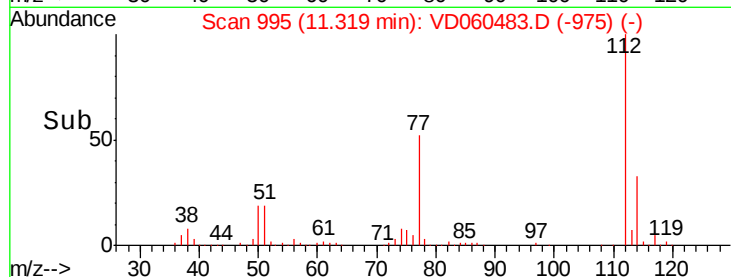
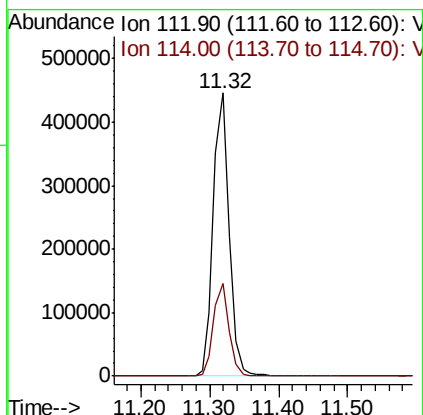
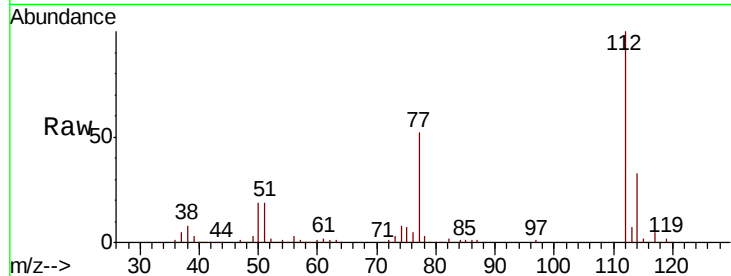




#65
Chlorobenzene
Concen: 23.783 ug/l
RT: 11.32 min Scan# 995
Delta R.T. -0.01 min
Lab File: VD060483.D
Acq: 4 Dec 2018 13:14

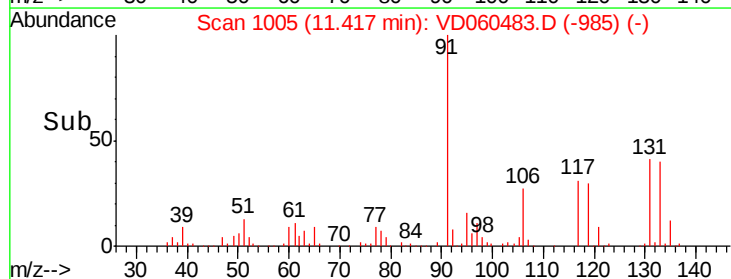
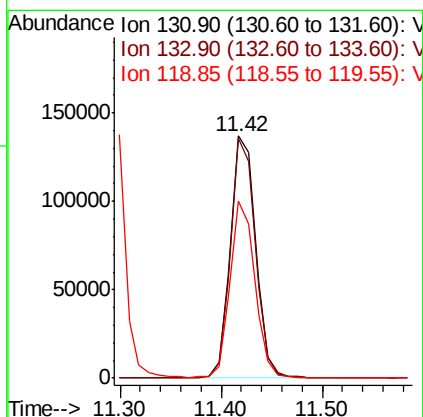
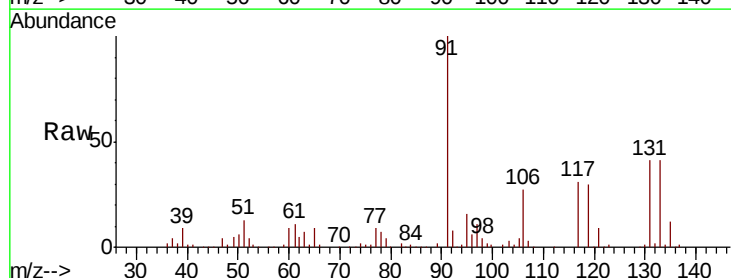
Instrument :
MSVOA_D
ClientSampleId :
VD1204SBSD01

Tot Ion:112 Resp: 712629
Ion Ratio Lower Upper
112 100
114 32.8 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 24.282 ug/l
RT: 11.42 min Scan# 1005
Delta R.T. -0.01 min
Lab File: VD060483.D
Acq: 4 Dec 2018 13:14

Tgt Ion:131 Resp: 238049
Ion Ratio Lower Upper
131 100
133 99.3 50.0 150.0
119 73.2 37.0 111.1

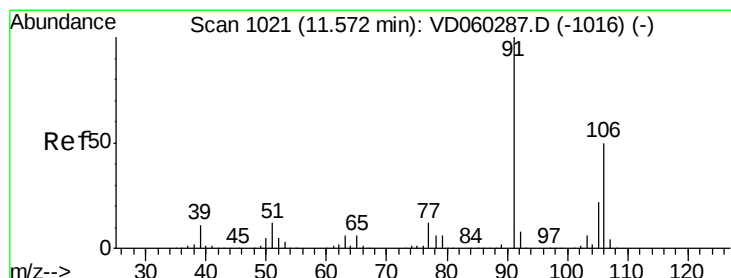
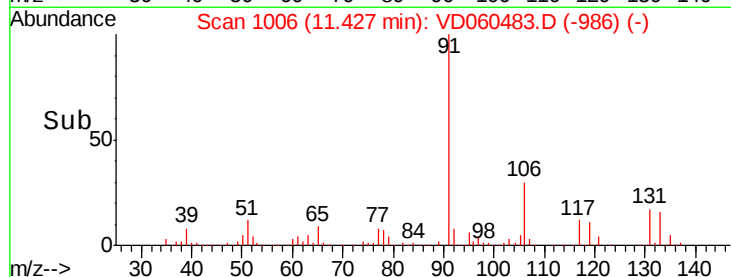
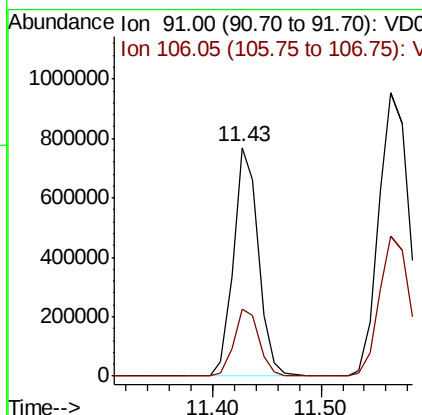
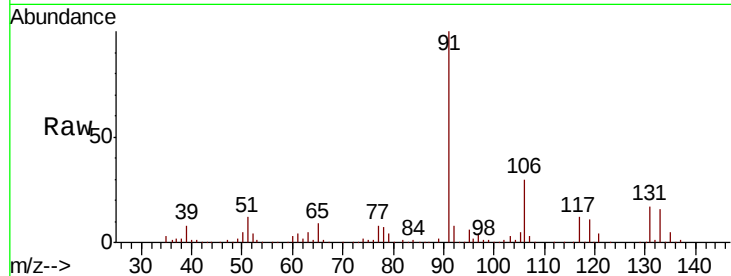




#67
Ethyl Benzene
Concen: 24.038 ug/l
RT: 11.43 min Scan# 1006
Delta R.T. -0.01 min
Lab File: VD060483.D
Acq: 4 Dec 2018 13:14

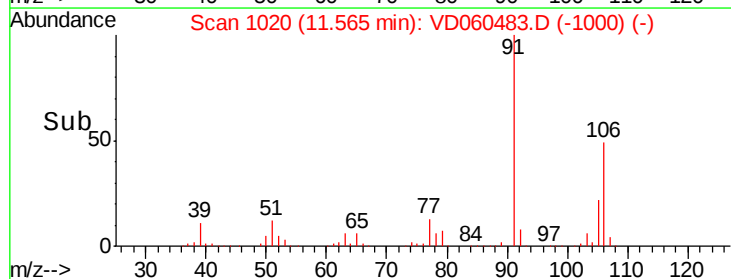
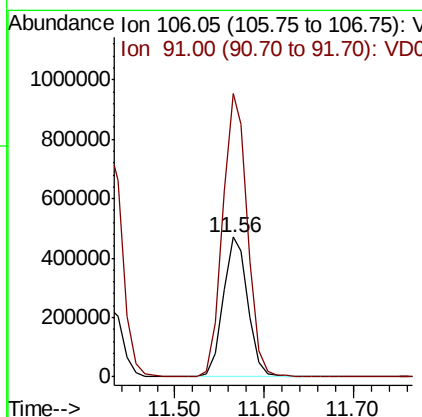
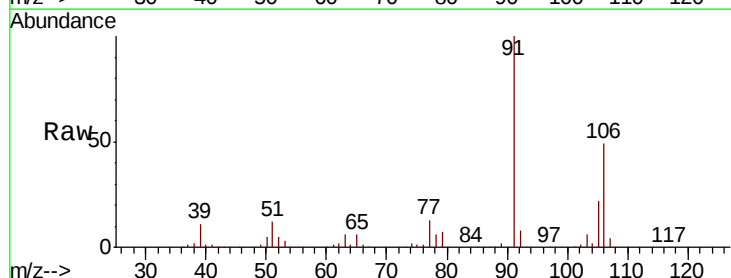
Instrument :
MSVOA_D
ClientSampleId :
VD1204SBS01

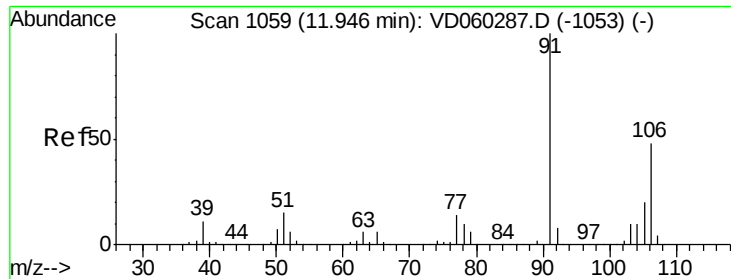
Tot Ion: 91 Resp: 1232108
Ion Ratio Lower Upper
91 100
106 29.6 24.6 36.8



#68
m/p-Xylenes
Concen: 48.256 ug/l
RT: 11.56 min Scan# 1020
Delta R.T. -0.01 min
Lab File: VD060483.D
Acq: 4 Dec 2018 13:14

Tgt Ion: 106 Resp: 912397
Ion Ratio Lower Upper
106 100
91 202.3 159.4 239.2

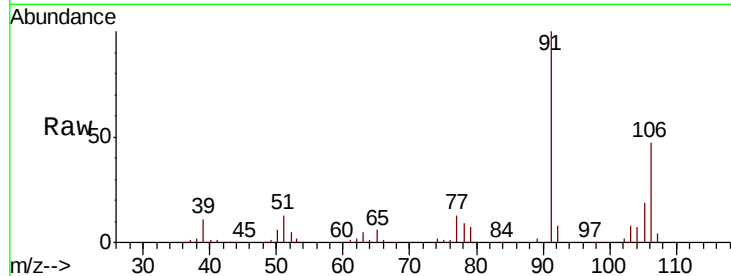




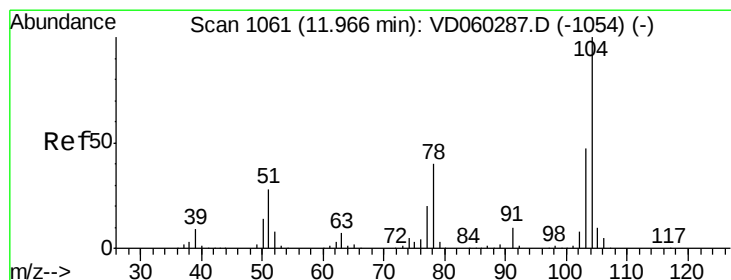
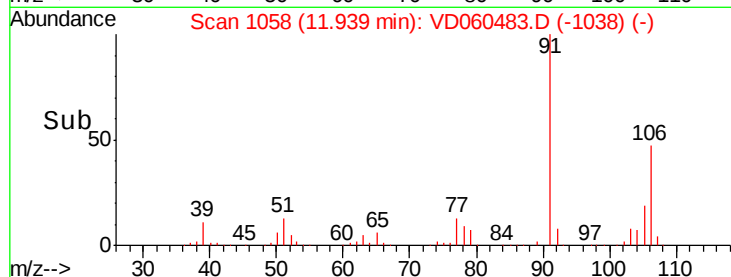
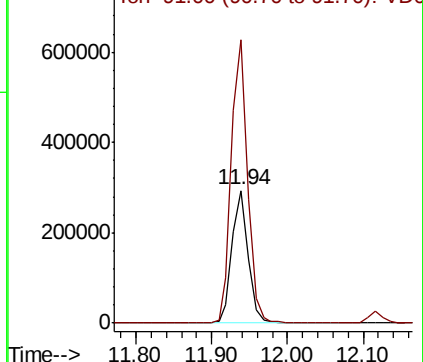
#69
o-Xylene
Concen: 23.429 ug/l
RT: 11.94 min Scan# 1058
Delta R.T. -0.01 min
Lab File: VD060483.D
Acq: 4 Dec 2018 13:14

Instrument :
MSVOA_D
ClientSampleId :
VD1204SBS01

Tot Ion:106 Resp: 427974
Ion Ratio Lower Upper
106 100
91 212.9 109.2 327.6

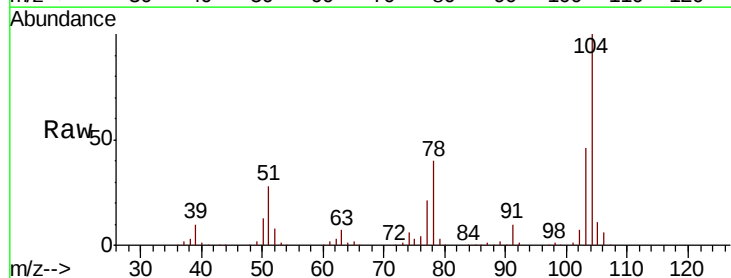


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

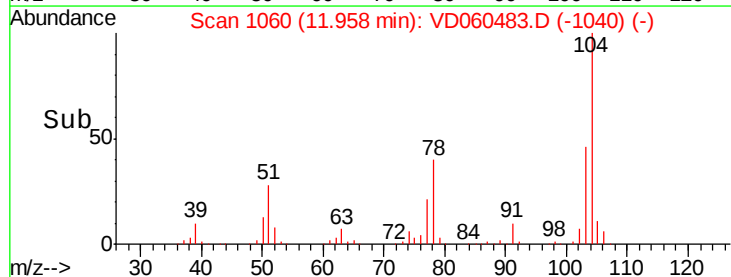
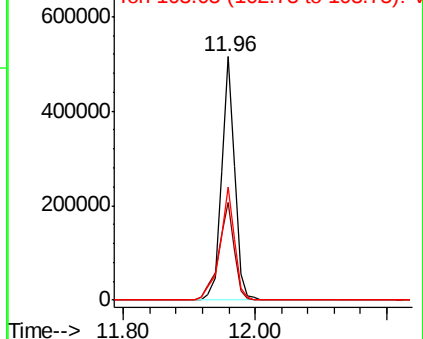


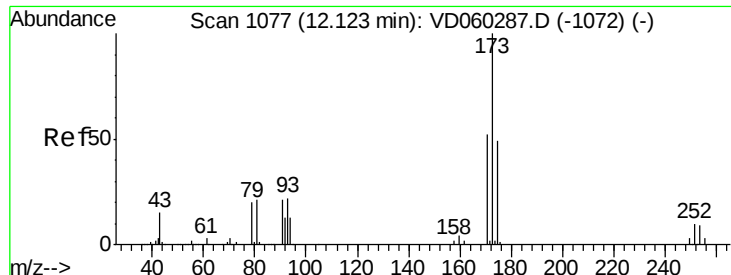
#70
Styrene
Concen: 24.191 ug/l
RT: 11.96 min Scan# 1060
Delta R.T. -0.01 min
Lab File: VD060483.D
Acq: 4 Dec 2018 13:14

Tgt Ion:104 Resp: 714131
Ion Ratio Lower Upper
104 100
78 40.2 31.6 47.4
103 46.4 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

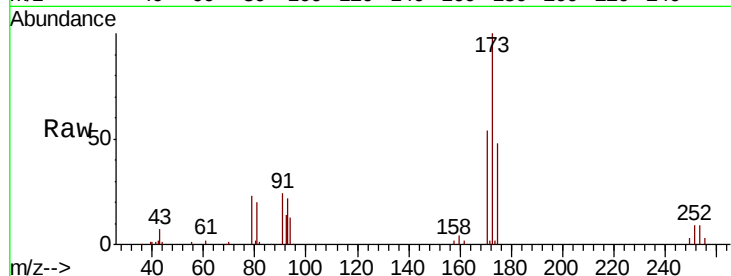




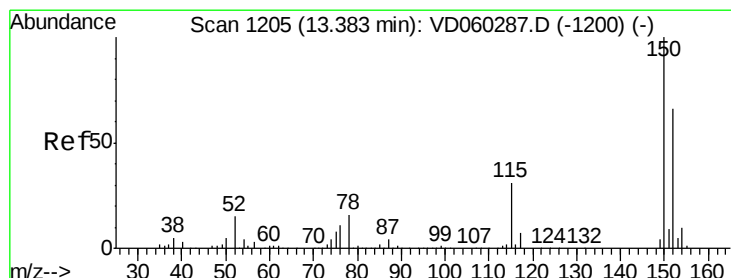
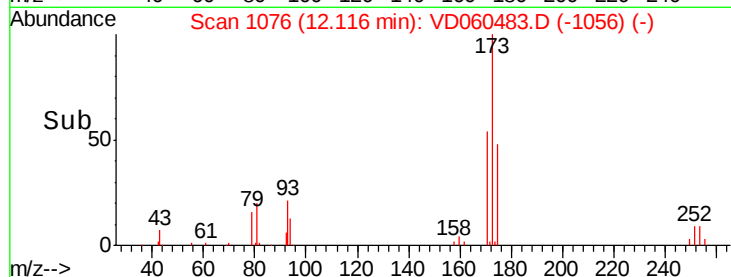
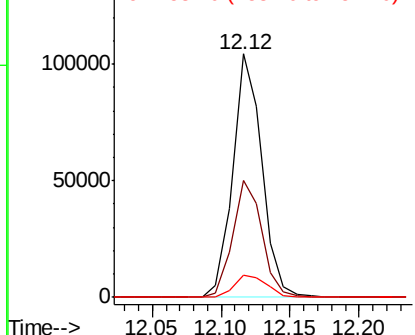
#71
Bromoform
Concen: 23.267 ug/l
RT: 12.12 min Scan# 1076
Delta R.T. -0.01 min
Lab File: VD060483.D
Acq: 4 Dec 2018 13:14

Instrument :
MSVOA_D
ClientSampleId :
VD1204SBSD01

Tot Ion:173 Resp: 153276
Ion Ratio Lower Upper
173 100
175 48.3 24.3 73.0
254 9.2 8.3 12.5

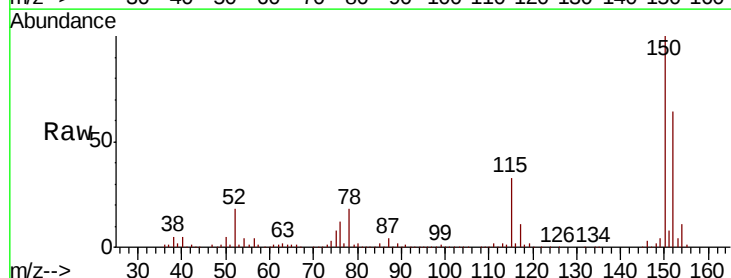


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

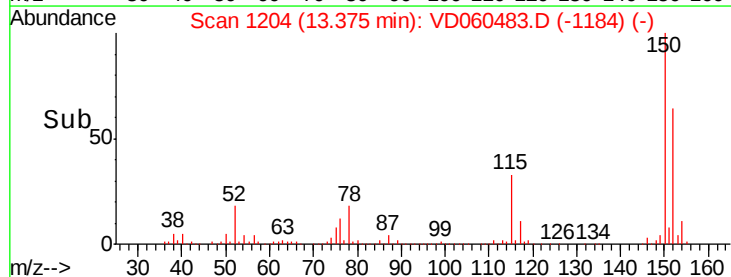
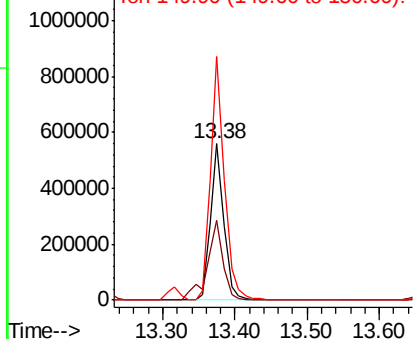


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.38 min Scan# 1204
Delta R.T. -0.01 min
Lab File: VD060483.D
Acq: 4 Dec 2018 13:14

Tgt Ion:152 Resp: 709346
Ion Ratio Lower Upper
152 100
115 51.0 24.1 72.3
150 155.6 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: 22.646 ug/l

RT: 12.28 min Scan# 1093

Delta R.T. 0.00 min

Lab File: VD060483.D

Acq: 4 Dec 2018 13:14

Instrument :

MSVOA_D

ClientSampleId :

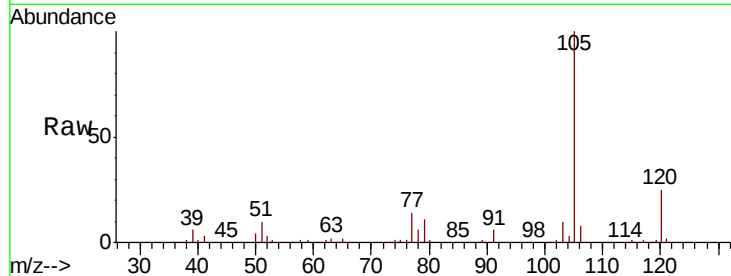
VD1204SBSD01

Tot Ion:105 Resp: 1170375

Ion Ratio Lower Upper

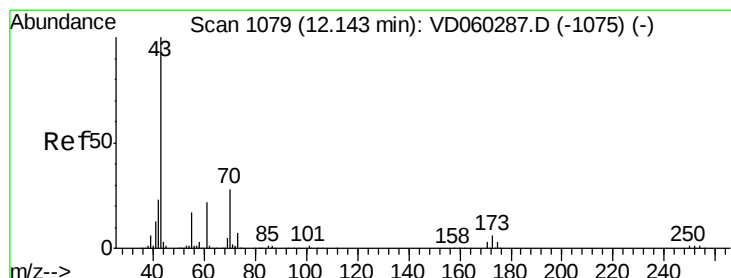
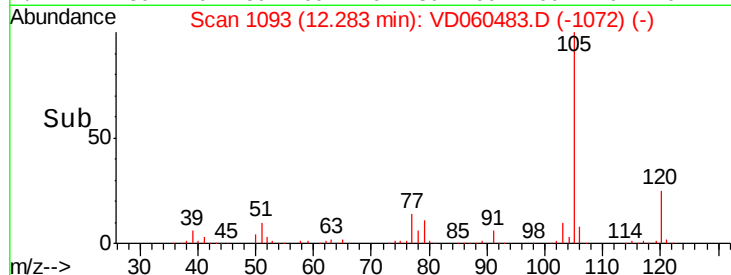
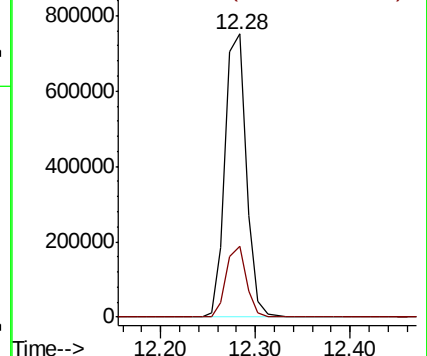
105 100

120 25.1 12.1 36.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 22.186 ug/l

RT: 12.14 min Scan# 1078

Delta R.T. -0.01 min

Lab File: VD060483.D

Acq: 4 Dec 2018 13:14

Tgt Ion: 43 Resp: 293966

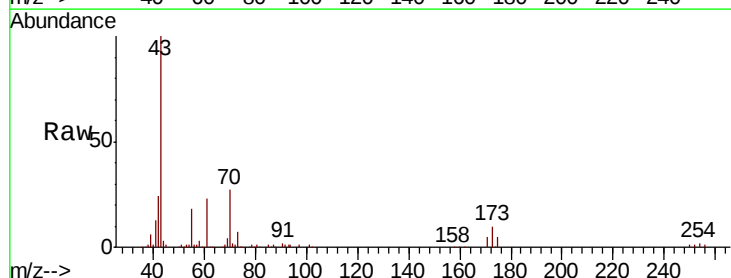
Ion Ratio Lower Upper

43 100

70 27.2 23.0 34.4

55 17.7 14.2 21.4

61 22.9 17.8 26.8

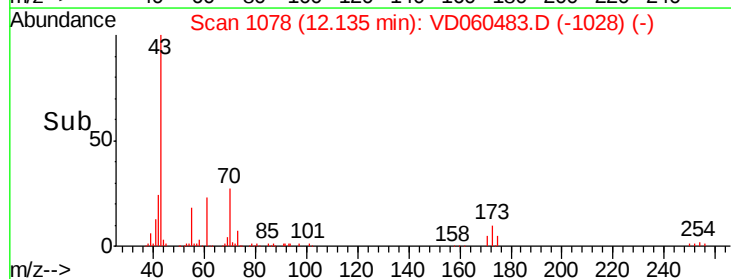
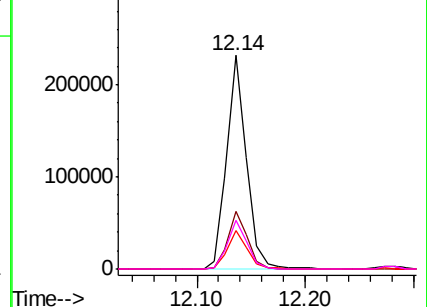


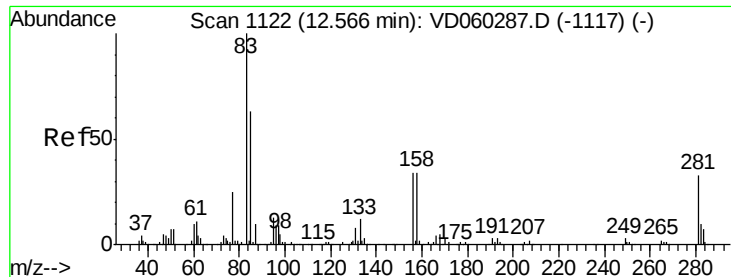
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 23.272 ug/l

RT: 12.57 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VD060483.D

Acq: 4 Dec 2018 13:14

Instrument :

MSVOA_D

ClientSampleId :

VD1204SBSD01

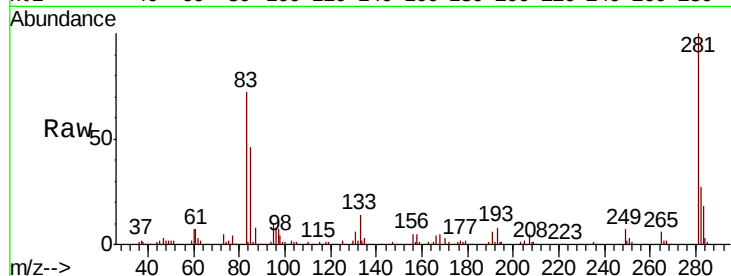
Tot Ion: 83 Resp: 196696

Ion Ratio Lower Upper

83 100

131 8.8 3.9 11.5

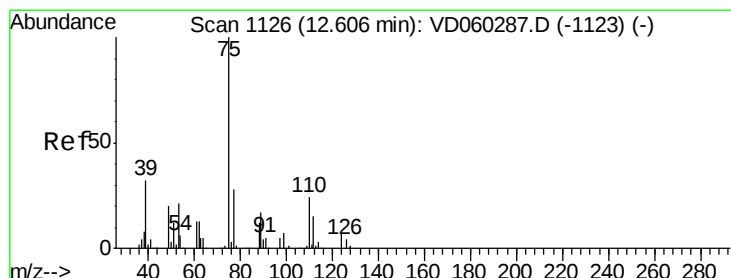
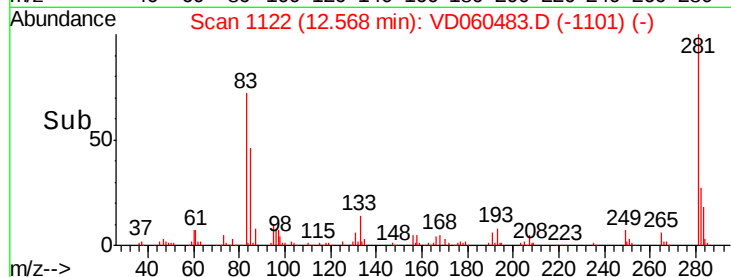
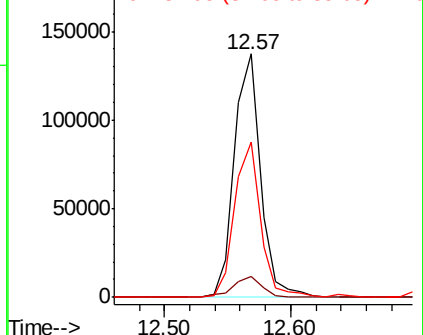
85 64.0 32.0 96.0



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: 22.140 ug/l

RT: 12.60 min Scan# 1125

Delta R.T. -0.01 min

Lab File: VD060483.D

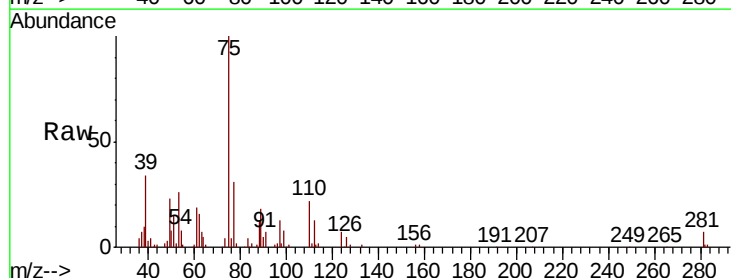
Acq: 4 Dec 2018 13:14

Tgt Ion: 75 Resp: 187864

Ion Ratio Lower Upper

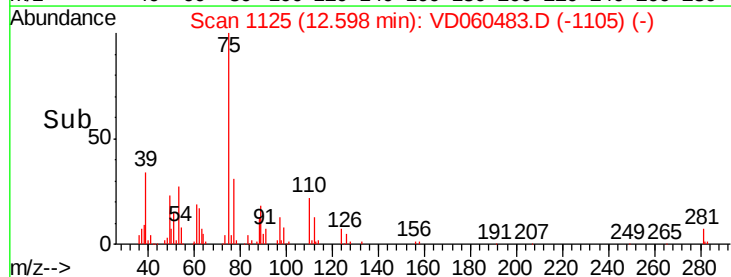
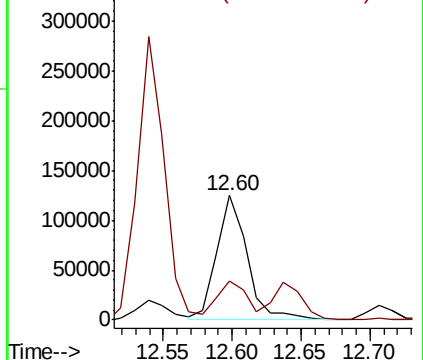
75 100

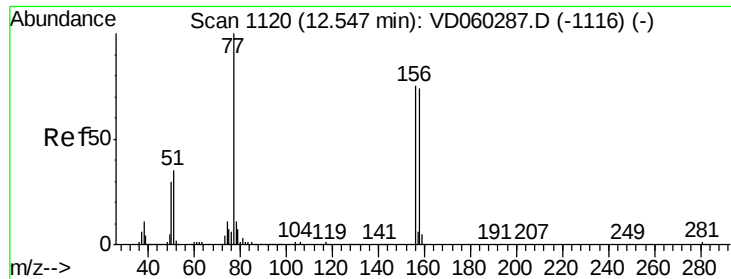
77 30.9 16.4 49.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

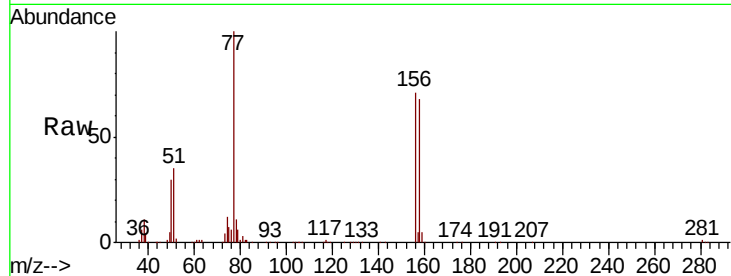




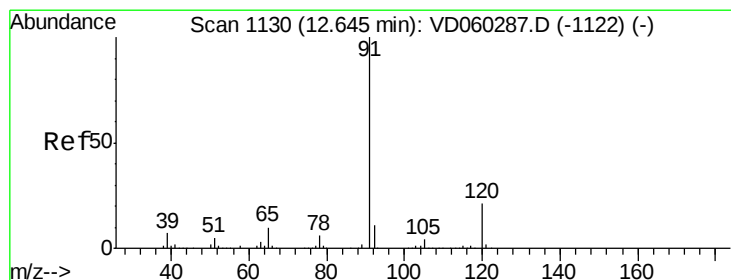
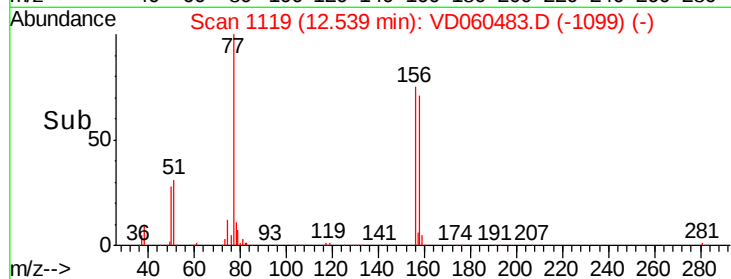
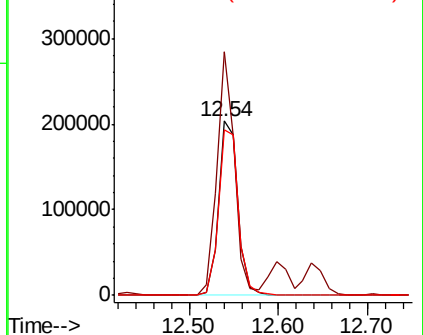
#77
Bromobenzene
Concen: 22.451 ug/l
RT: 12.54 min Scan# 1119
Delta R.T. -0.01 min
Lab File: VD060483.D
Acq: 4 Dec 2018 13:14

Instrument :
MSVOA_D
ClientSampleId :
VD1204SBSD01

Tot Ion:156 Resp: 308197
Ion Ratio Lower Upper
156 100
77 140.0 61.2 183.6
158 94.9 49.2 147.6

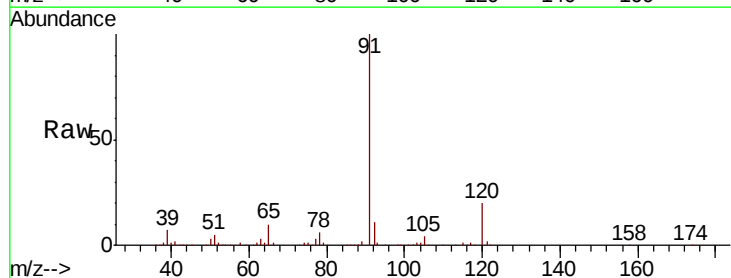


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): V
Ion 157.85 (157.55 to 158.55): V

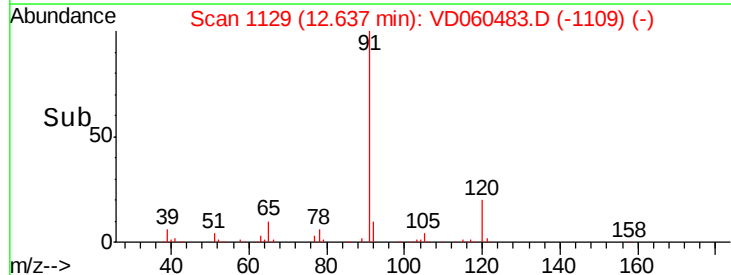
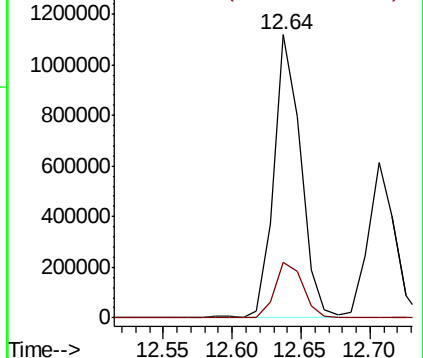


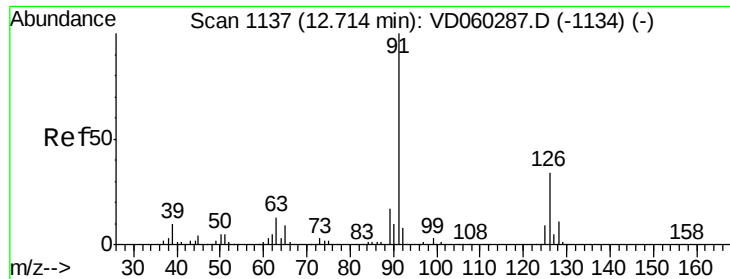
#78
n-propylbenzene
Concen: 23.425 ug/l
RT: 12.64 min Scan# 1129
Delta R.T. -0.01 min
Lab File: VD060483.D
Acq: 4 Dec 2018 13:14

Tgt Ion: 91 Resp: 1511076
Ion Ratio Lower Upper
91 100
120 19.7 10.4 31.4



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 120.05 (119.75 to 120.75): V

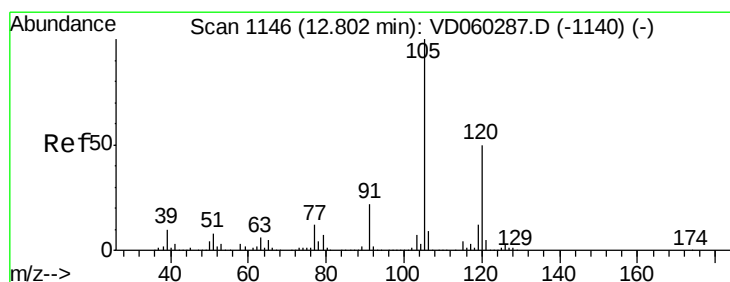
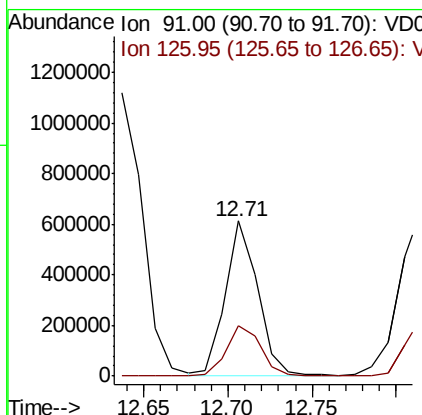
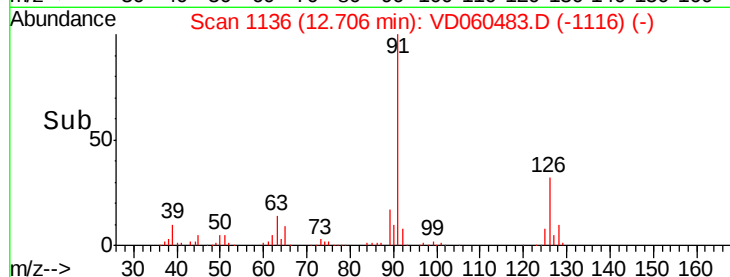
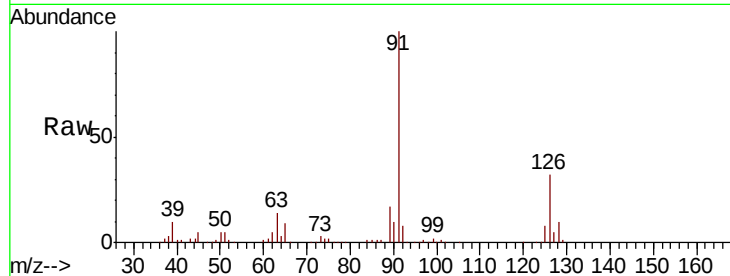




#79
 2-Chlorotoluene
 Concen: 23.305 ug/l
 RT: 12.71 min Scan# 1136
 Delta R.T. -0.01 min
 Lab File: VD060483.D
 Acq: 4 Dec 2018 13:14

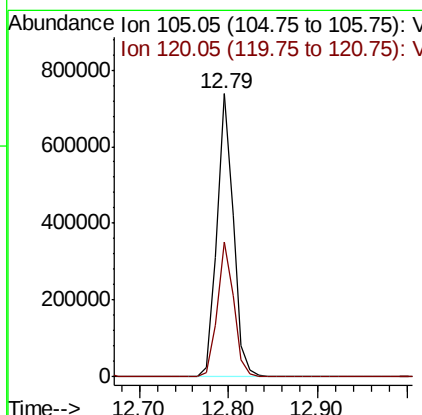
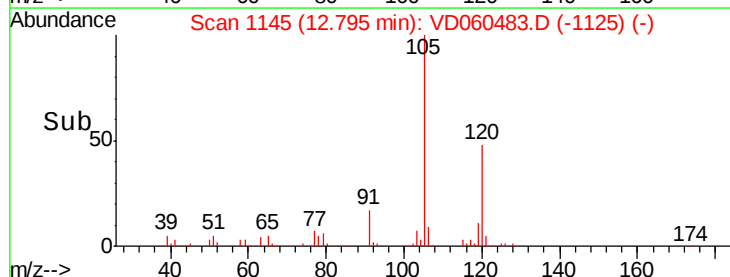
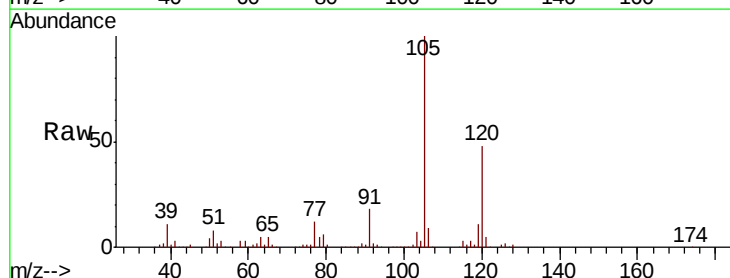
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1204SBSD01

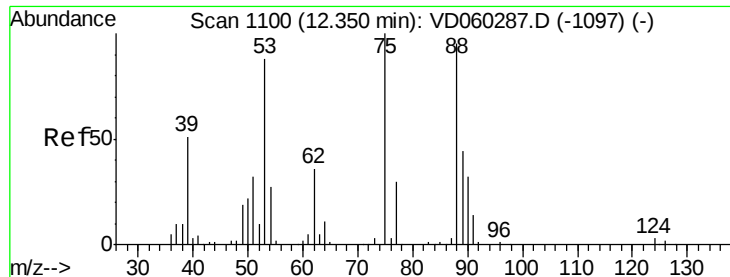
Tot Ion: 91 Resp: 823373
 Ion Ratio Lower Upper
 91 100
 126 32.3 17.4 52.2



#80
 1,3,5-Trimethylbenzene
 Concen: 23.486 ug/l
 RT: 12.79 min Scan# 1145
 Delta R.T. -0.01 min
 Lab File: VD060483.D
 Acq: 4 Dec 2018 13:14

Tgt Ion: 105 Resp: 943283
 Ion Ratio Lower Upper
 105 100
 120 47.8 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 21.931 ug/l

RT: 12.34 min Scan# 1099

Delta R.T. -0.01 min

Lab File: VD060483.D

Acq: 4 Dec 2018 13:14

Instrument :

MSVOA_D

ClientSampleId :

VD1204SBSD01

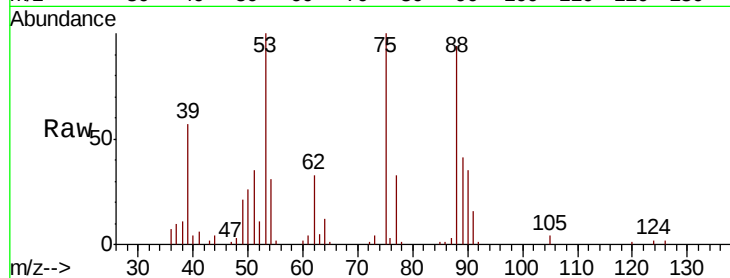
Tot Ion: 75 Resp: 52980

Ion Ratio Lower Upper

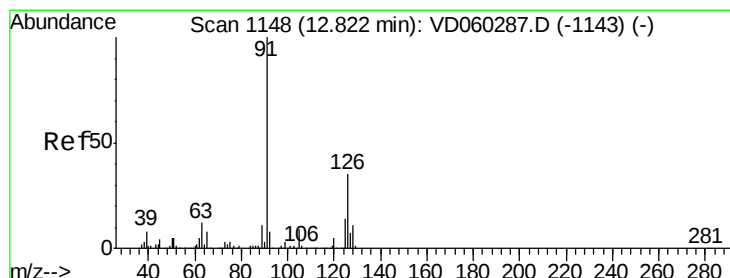
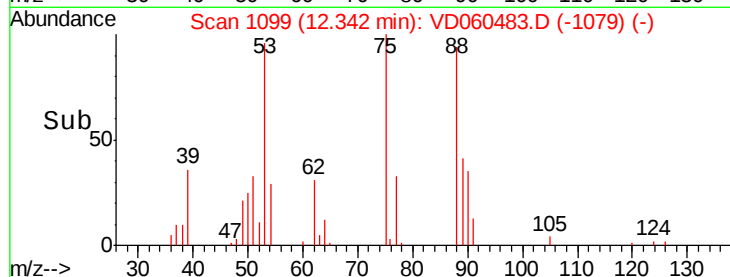
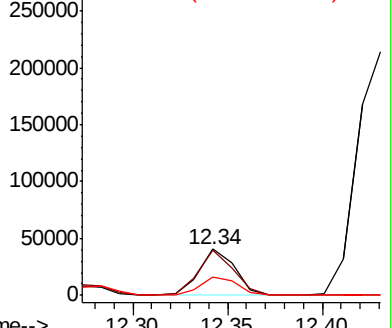
75 100

53 99.7 68.6 103.0

89 41.3 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: 23.542 ug/l

RT: 12.81 min Scan# 1147

Delta R.T. -0.01 min

Lab File: VD060483.D

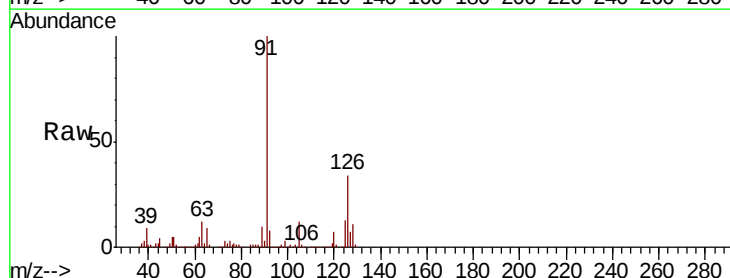
Acq: 4 Dec 2018 13:14

Tgt Ion: 91 Resp: 934338

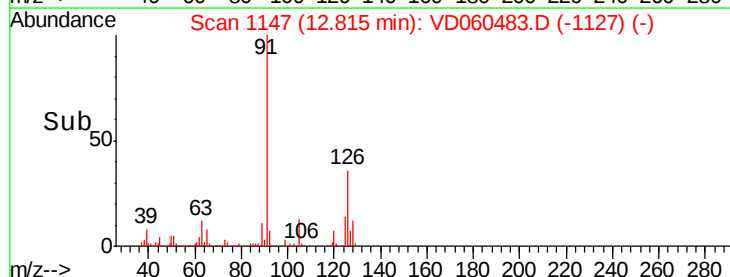
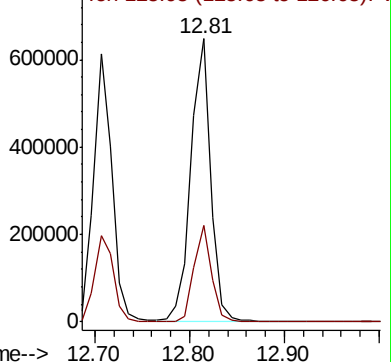
Ion Ratio Lower Upper

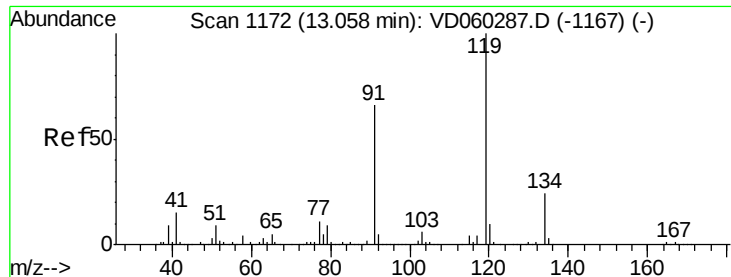
91 100

126 34.2 14.8 44.4



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V

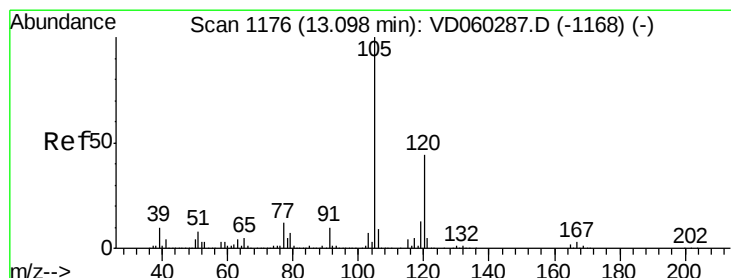
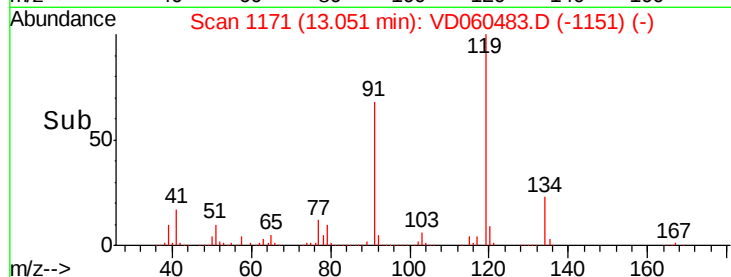
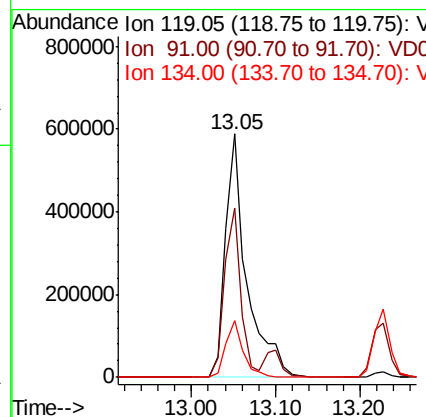
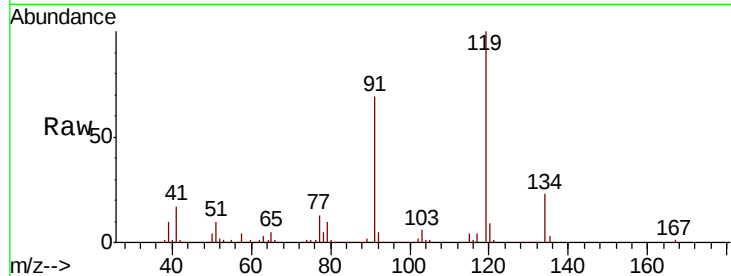




#83
 tert-Butylbenzene
 Concen: 23.338 ug/l
 RT: 13.05 min Scan# 1171
 Delta R.T. -0.01 min
 Lab File: VD060483.D
 Acq: 4 Dec 2018 13:14

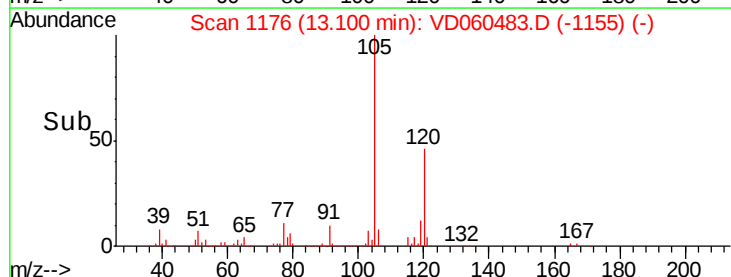
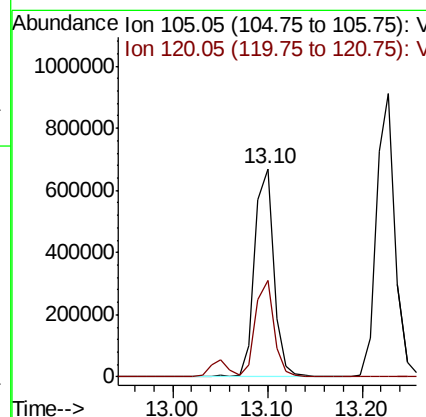
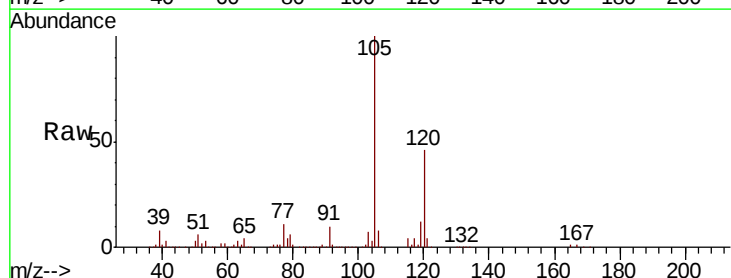
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1204SBSD01

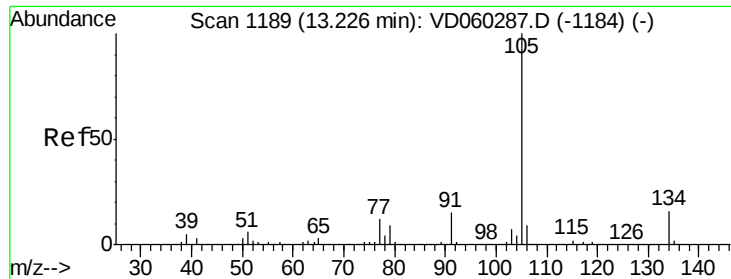
Tot Ion:119 Resp: 1040672
 Ion Ratio Lower Upper
 119 100
 91 69.3 32.7 98.1
 134 23.4 12.1 36.3



#84
 1,2,4-Trimethylbenzene
 Concen: 23.469 ug/l
 RT: 13.10 min Scan# 1176
 Delta R.T. 0.00 min
 Lab File: VD060483.D
 Acq: 4 Dec 2018 13:14

Tgt Ion:105 Resp: 941382
 Ion Ratio Lower Upper
 105 100
 120 46.2 21.9 65.8





#85

sec-Butylbenzene

Concen: 23.023 ug/l

RT: 13.23 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VD060483.D

Acq: 4 Dec 2018 13:14

Instrument :

MSVOA_D

ClientSampleId :

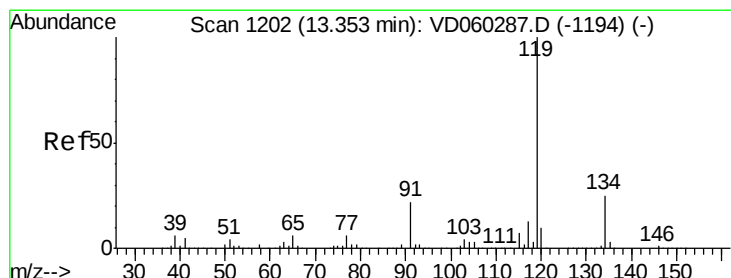
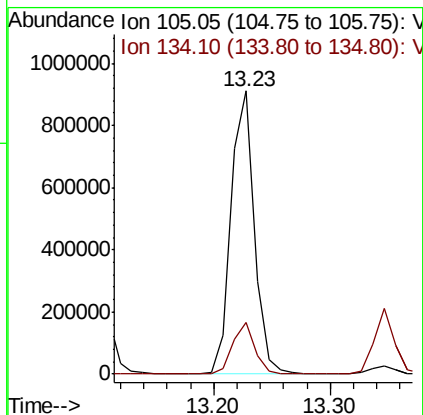
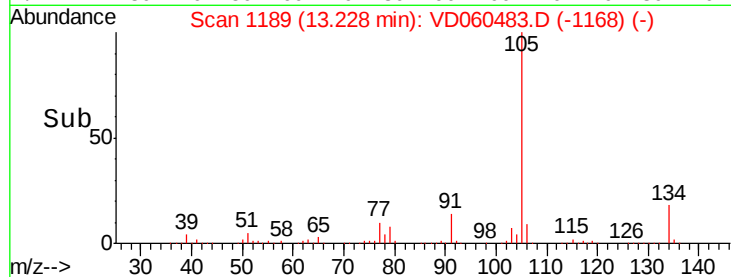
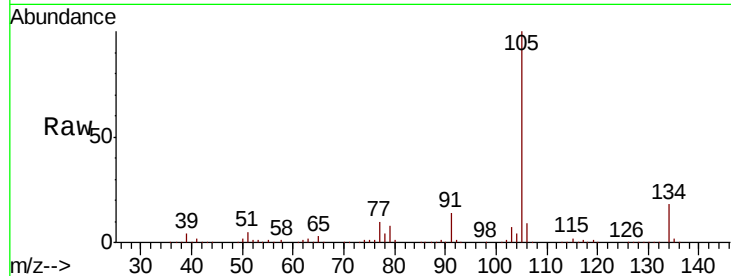
VD1204SBSD01

Tot Ion:105 Resp: 1259539

Ion Ratio Lower Upper

105 100

134 18.2 8.0 24.0



#86

p-Isopropyltoluene

Concen: 23.555 ug/l

RT: 13.35 min Scan# 1201

Delta R.T. -0.01 min

Lab File: VD060483.D

Acq: 4 Dec 2018 13:14

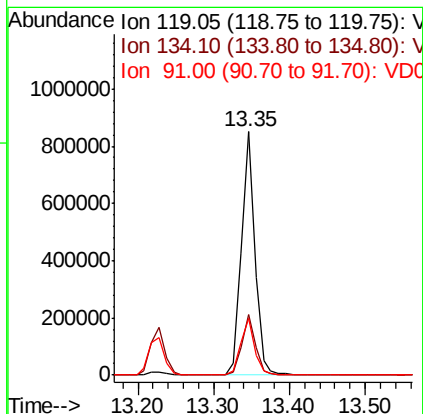
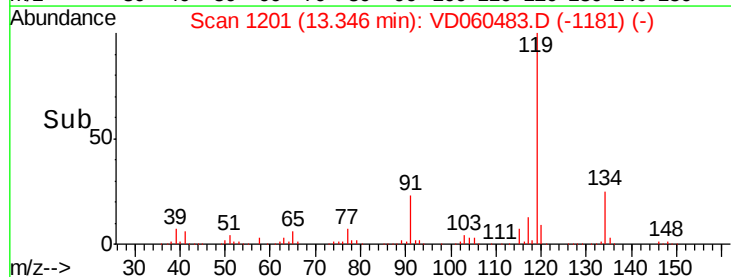
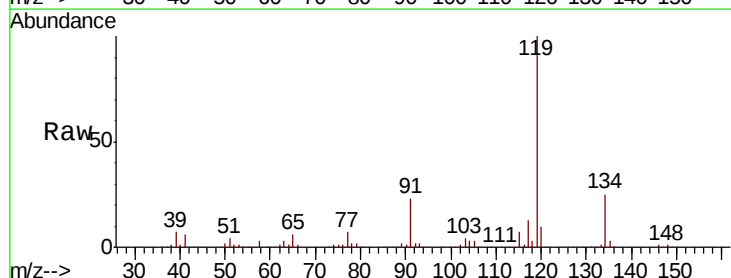
Tgt Ion:119 Resp: 1037750

Ion Ratio Lower Upper

119 100

134 24.7 12.9 38.6

91 23.2 11.3 33.8

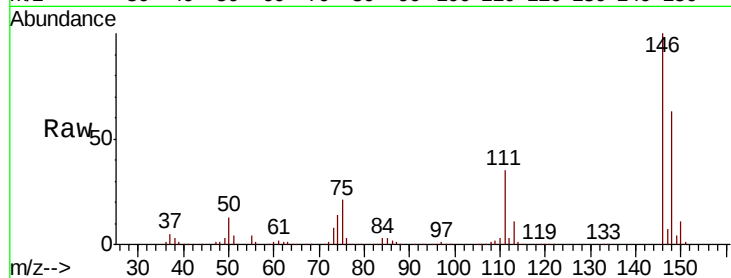




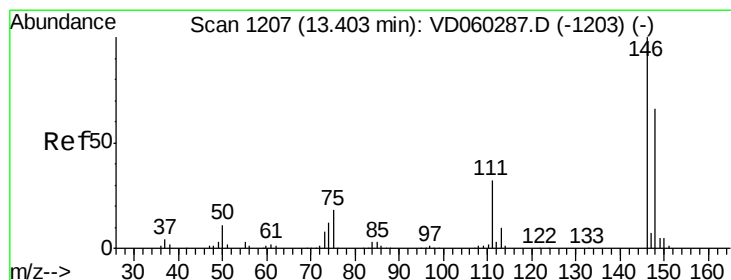
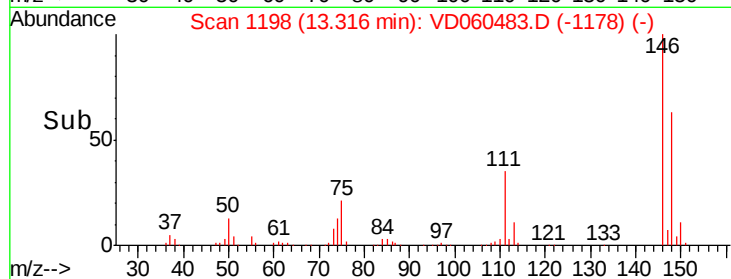
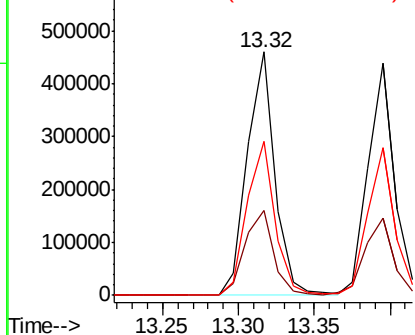
#87
 1,3-Dichlorobenzene
 Concen: 24.030 ug/l
 RT: 13.32 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: VD060483.D
 Acq: 4 Dec 2018 13:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1204SBSD01

Tot Ion:146 Resp: 586910
 Ion Ratio Lower Upper
 146 100
 111 34.7 20.2 60.5
 148 63.2 32.0 96.0

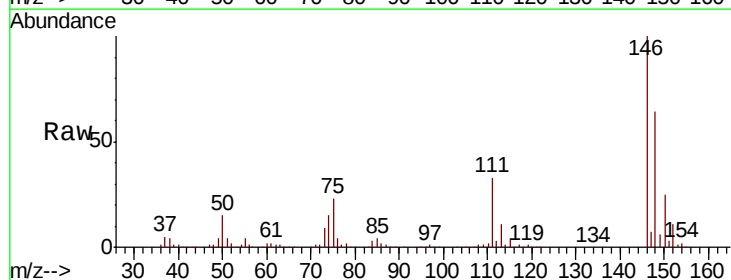


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

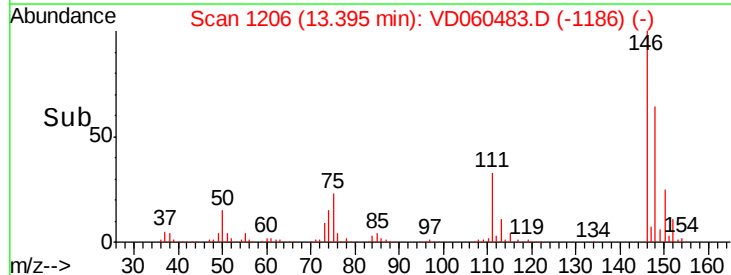
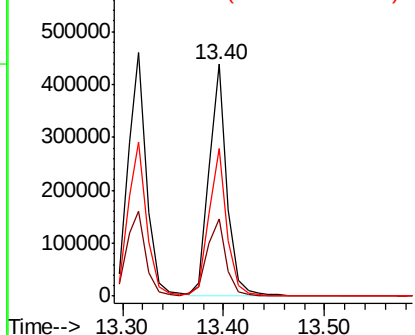


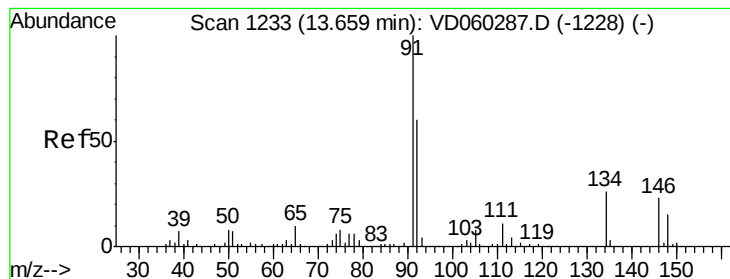
#88
 1,4-Dichlorobenzene
 Concen: 22.628 ug/l
 RT: 13.40 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: VD060483.D
 Acq: 4 Dec 2018 13:14

Tgt Ion:146 Resp: 539741
 Ion Ratio Lower Upper
 146 100
 111 33.1 16.0 47.9
 148 64.0 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: 22.493 ug/l

RT: 13.65 min Scan# 1232

Delta R.T. -0.01 min

Lab File: VD060483.D

Acq: 4 Dec 2018 13:14

Instrument :

MSVOA_D

ClientSampleId :

VD1204SBSD01

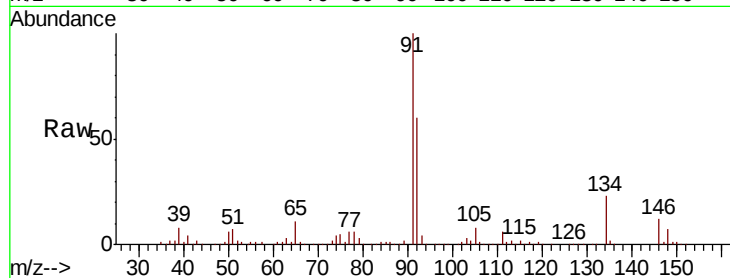
Tot Ion: 91 Resp: 1075955

Ion Ratio Lower Upper

91 100

92 59.5 30.3 90.9

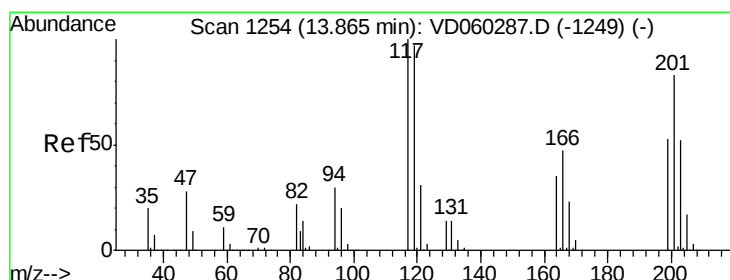
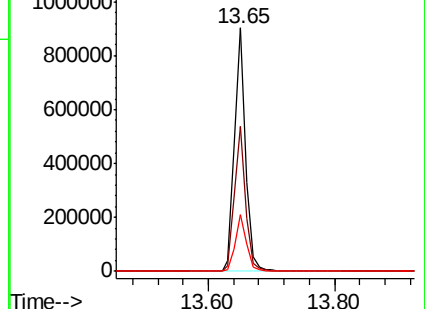
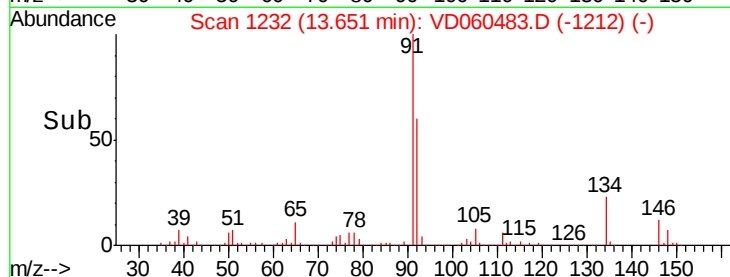
134 23.2 13.0 38.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 23.461 ug/l

RT: 13.86 min Scan# 1253

Delta R.T. -0.01 min

Lab File: VD060483.D

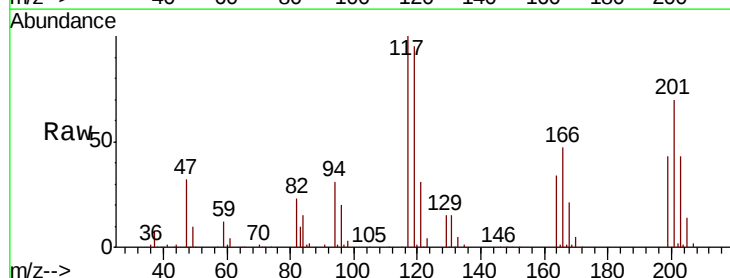
Acq: 4 Dec 2018 13:14

Tgt Ion: 117 Resp: 245091

Ion Ratio Lower Upper

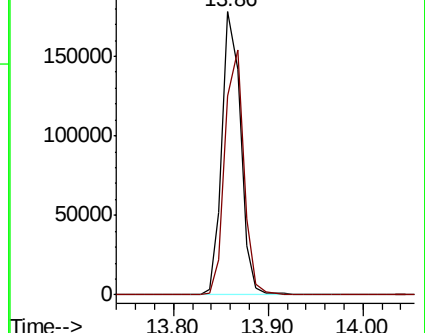
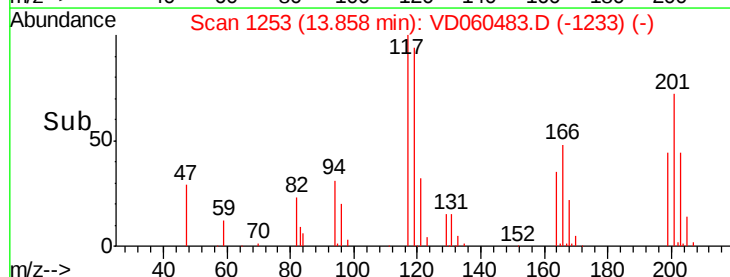
117 100

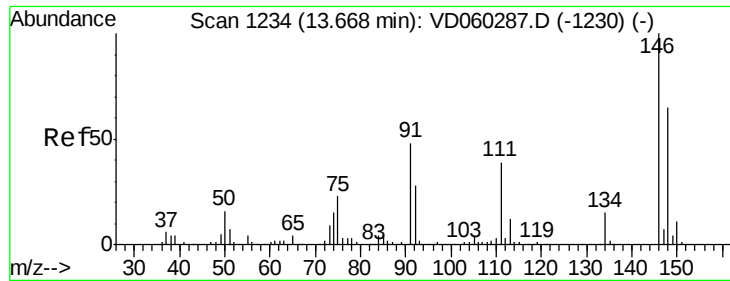
201 70.2 40.1 120.3



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

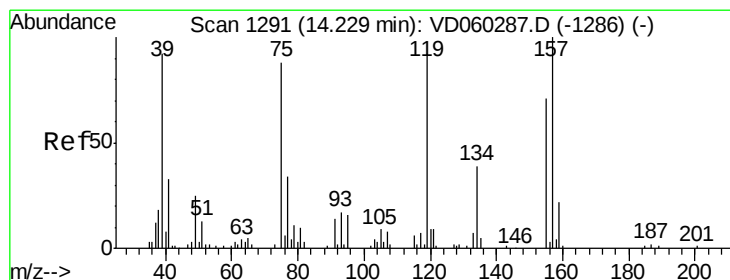
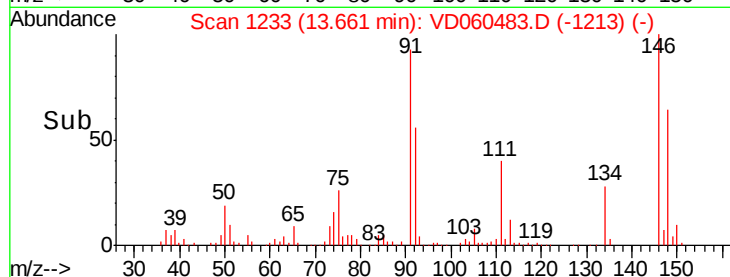
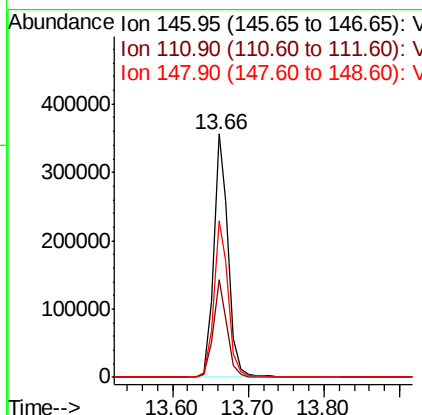
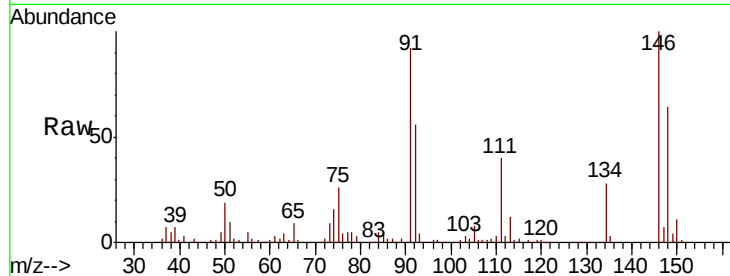




#91
 1,2-Dichlorobenzene
 Concen: 23.928 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. -0.01 min
 Lab File: VD060483.D
 Acq: 4 Dec 2018 13:14

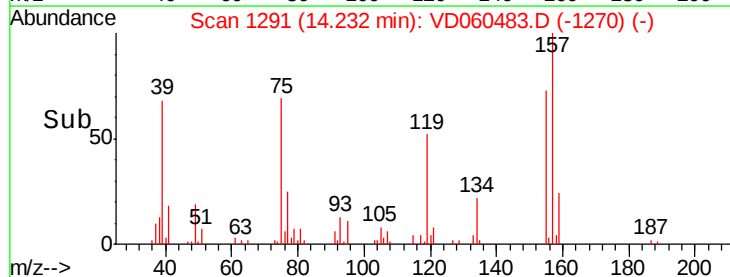
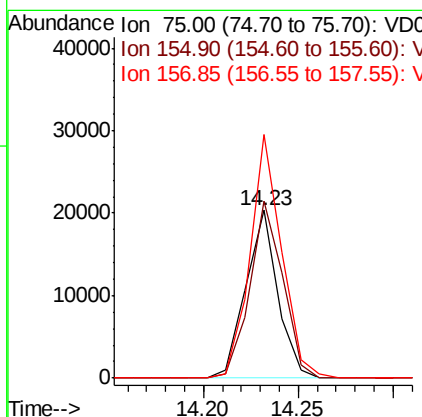
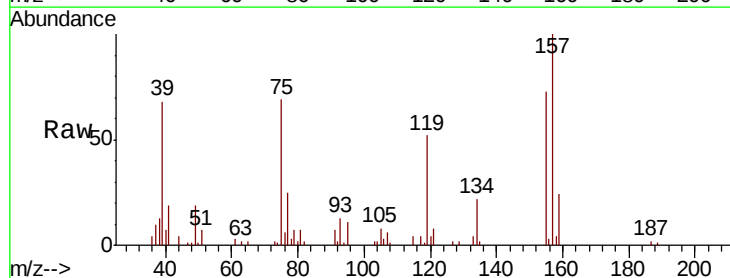
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1204SBSD01

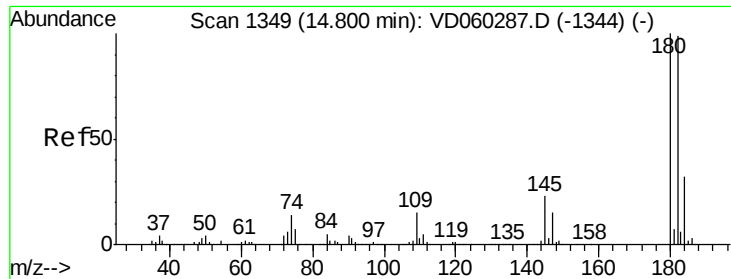
Tot Ion:146 Resp: 480022
 Ion Ratio Lower Upper
 146 100
 111 40.1 18.9 56.9
 148 64.2 31.6 94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.120 ug/l
 RT: 14.23 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VD060483.D
 Acq: 4 Dec 2018 13:14

Tgt Ion: 75 Resp: 23589
 Ion Ratio Lower Upper
 75 100
 155 106.0 64.3 192.9
 157 145.2 81.0 243.1

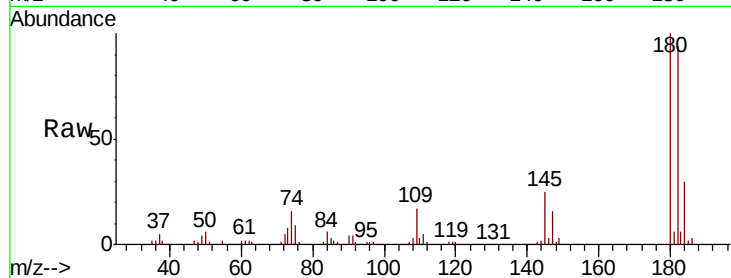




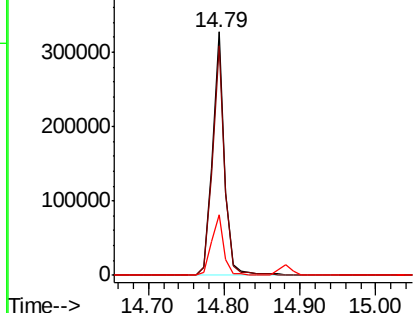
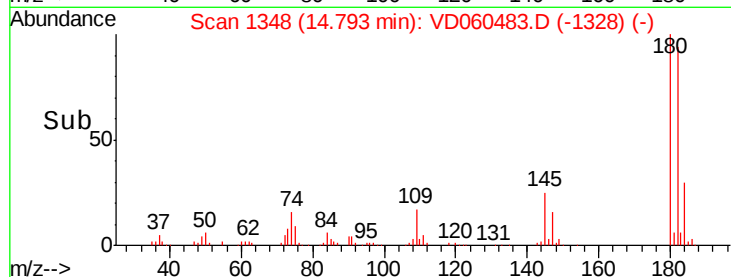
#93
 1,2,4-Trichlorobenzene
 Concen: 23.360 ug/l
 RT: 14.79 min Scan# 1348
 Delta R.T. -0.01 min
 Lab File: VD060483.D
 Acq: 4 Dec 2018 13:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1204SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	48.1	144.4
145	24.8	11.5	34.4

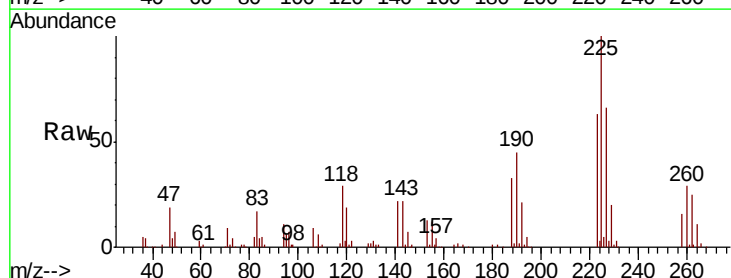


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

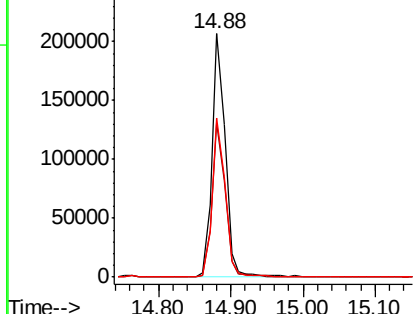
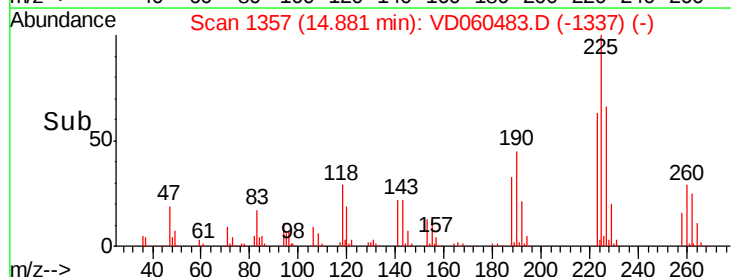


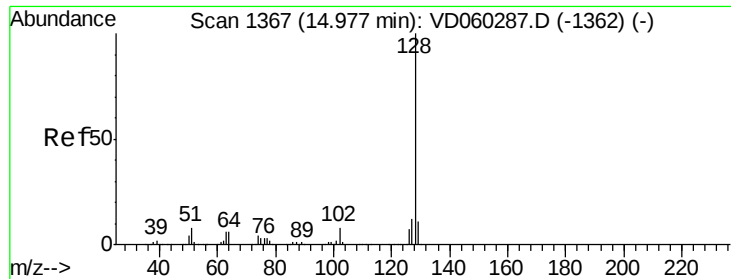
#94
 Hexachlorobutadiene
 Concen: 21.848 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. -0.01 min
 Lab File: VD060483.D
 Acq: 4 Dec 2018 13:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.6	94.8
227	65.6	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

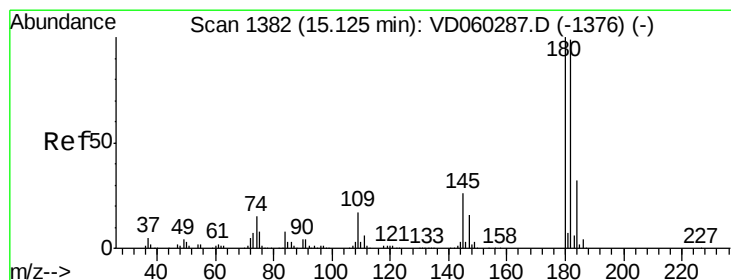
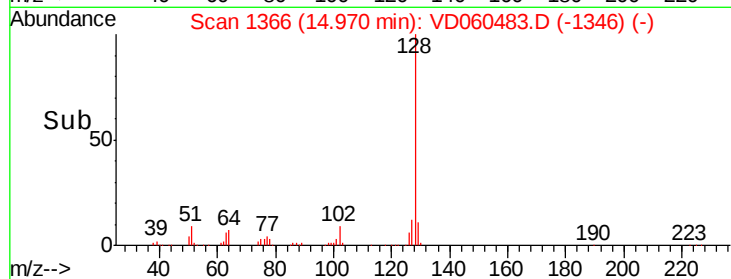
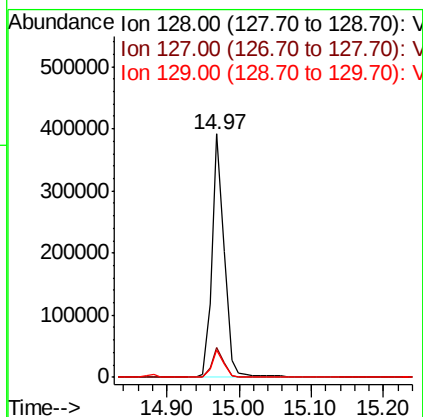
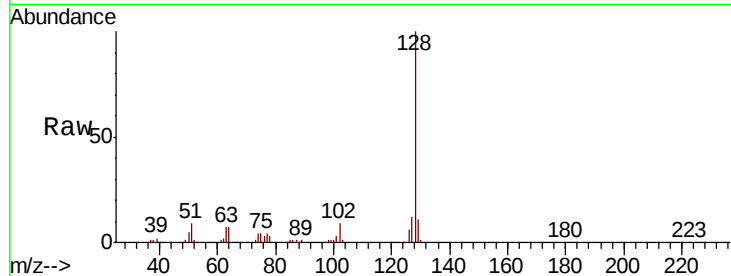




#95
Naphthalene
Concen: 23.527 ug/l
RT: 14.97 min Scan# 1366
Delta R.T. -0.01 min
Lab File: VD060483.D
Acq: 4 Dec 2018 13:14

Instrument :
MSVOA_D
ClientSampleId :
VD1204SBSD01

Tot Ion:128 Resp: 456946
Ion Ratio Lower Upper
128 100
127 12.1 9.6 14.4
129 11.1 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 23.616 ug/l
RT: 15.12 min Scan# 1381
Delta R.T. -0.01 min
Lab File: VD060483.D
Acq: 4 Dec 2018 13:14

Tgt Ion:180 Resp: 301001
Ion Ratio Lower Upper
180 100
182 99.2 48.9 146.7
145 27.1 12.9 38.6

