

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041519\
 Data File : VD061796.D
 Acq On : 15 Apr 2019 12:46
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 16 08:19:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 08:14:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.10	168	631283	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.27	114	1001708	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.40	117	874780	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.54	152	413198	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.50	65	24447	4.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	9.20%	
35) Dibromofluoromethane	6.98	113	36541	4.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	9.66%	
50) Toluene-d8	10.45	98	91612	5.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	10.22%	
62) 4-Bromofluorobenzene	13.57	95	35234	4.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	9.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	31975	5.162	ug/l	98
3) Chloromethane	1.77	50	25263	5.118	ug/l	96
4) Vinyl Chloride	1.88	62	24528	5.006	ug/l	95
5) Bromomethane	2.17	94	9094	7.243	ug/l #	79
6) Chloroethane	2.29	64	7886	4.718	ug/l	91
7) Trichlorofluoromethane	2.56	101	39090	4.929	ug/l	98
8) Diethyl Ether	2.90	74	10713	5.144	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.19	101	35840	5.062	ug/l	95
10) Methyl Iodide	3.36	142	29329	3.072	ug/l	99
11) Tert butyl alcohol	4.11	59	6429	20.500	ug/l #	76
12) 1,1-Dichloroethene	3.17	96	28965	4.863	ug/l	94
13) Acrolein	3.08	56	7989	26.295	ug/l	88
14) Allyl chloride	3.66	41	36810	4.534	ug/l	94
15) Acrylonitrile	4.24	53	21690	22.030	ug/l	97
16) Acetone	3.26	43	29607	22.586	ug/l	95
17) Carbon Disulfide	3.42	76	91700	4.764	ug/l	97
18) Methyl Acetate	3.69	43	14709	5.595	ug/l	98
19) Methyl tert-butyl Ether	4.29	73	50261	4.533	ug/l	92
20) Methylene Chloride	3.87	84	59413	7.511	ug/l	93
21) trans-1,2-Dichloroethene	4.27	96	29716	4.543	ug/l #	86
22) Diisopropyl ether	5.18	45	84171	4.858	ug/l	97
23) Vinyl Acetate	5.11	43	199015	21.520	ug/l	99
24) 1,1-Dichloroethane	5.04	63	48402	4.603	ug/l	96
25) 2-Butanone	6.12	43	33697	22.576	ug/l #	91
26) 2,2-Dichloropropane	6.07	77	44565	4.898	ug/l	89
27) cis-1,2-Dichloroethene	6.09	96	35243	4.964	ug/l	98
28) Bromochloromethane	6.49	49	19104	4.778	ug/l	90
29) Tetrahydrofuran	6.51	42	17407	23.940	ug/l	99
30) Chloroform	6.71	83	55184	4.701	ug/l	93
31) Cyclohexane	7.01	56	40591	5.038	ug/l	91
32) 1,1,1-Trichloroethane	6.93	97	48208	4.633	ug/l	92
36) 1,1-Dichloropropene	7.20	75	36702	4.483	ug/l	90
37) Ethyl Acetate	6.24	43	15869	4.530	ug/l #	93
38) Carbon Tetrachloride	7.17	117	53084	4.981	ug/l	98

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 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 16 08:19:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 08:14:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.92	83	43605	5.130	ug/l	98
40) Benzene	7.51	78	91097	4.635	ug/l	97
41) Methacrylonitrile	6.49	41	20449	4.938	ug/l	95
42) 1,2-Dichloroethane	7.63	62	33276	4.862	ug/l	97
43) Isopropyl Acetate	9.28	43	22053	4.473	ug/l	94
44) Trichloroethene	8.58	130	35983	4.756	ug/l	100
45) 1,2-Dichloropropane	8.99	63	23693	4.629	ug/l #	87
46) Dibromomethane	9.10	93	17336	4.753	ug/l	90
47) Bromodichloromethane	9.42	83	38596	4.587	ug/l	96
48) Methyl methacrylate	9.16	41	13226	4.564	ug/l	88
49) 1,4-Dioxane	9.12	88	2614	82.526	ug/l #	76
51) 4-Methyl-2-Pentanone	10.34	43	71157	23.602	ug/l	97
52) Toluene	10.55	92	56649	4.498	ug/l	99
53) t-1,3-Dichloropropene	10.96	75	34364	4.532	ug/l	94
54) cis-1,3-Dichloropropene	10.08	75	43024	4.834	ug/l	93
55) 1,1,2-Trichloroethane	11.23	97	20587	4.851	ug/l	98
56) Ethyl methacrylate	11.08	69	21920	4.706	ug/l	95
57) 1,3-Dichloropropane	11.45	76	29436	4.614	ug/l	91
58) 2-Chloroethyl Vinyl ether	9.90	63	60135	27.146	ug/l	92
59) 2-Hexanone	11.57	43	53600	23.937	ug/l	98
60) Dibromochloromethane	11.72	129	31025	4.468	ug/l	94
61) 1,2-Dibromoethane	11.84	107	25340	4.856	ug/l	83
64) Tetrachloroethene	11.30	164	32041	4.884	ug/l	95
65) Chlorobenzene	12.43	112	80612	4.948	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.54	131	32123	4.705	ug/l	93
67) Ethyl Benzene	12.55	91	127288	4.879	ug/l	99
68) m/p-Xylenes	12.70	106	92015	9.389	ug/l	92
69) o-Xylene	13.07	106	45218	4.909	ug/l	96
70) Styrene	13.10	104	76069	4.799	ug/l	98
71) Bromoform	13.26	173	16337	4.031	ug/l	95
73) Isopropylbenzene	13.43	105	120534	4.498	ug/l	100
74) N-amyl acetate	13.29	43	32012	4.442	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.72	83	22722	4.290	ug/l	98
76) 1,2,3-Trichloropropane	13.75	75	23364	4.306	ug/l	95
77) Bromobenzene	13.69	156	35097	4.611	ug/l	92
78) n-propylbenzene	13.80	91	133474	4.311	ug/l	98
79) 2-Chlorotoluene	13.86	91	81335	4.524	ug/l	91
80) 1,3,5-Trimethylbenzene	13.96	105	100281	4.716	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.50	75	6057	3.918	ug/l #	89
82) 4-Chlorotoluene	13.97	91	101569	4.906	ug/l	91
83) tert-Butylbenzene	14.21	119	117519	4.707	ug/l	92
84) 1,2,4-Trimethylbenzene	14.26	105	99069	4.635	ug/l	98
85) sec-Butylbenzene	14.39	105	124821	4.836	ug/l	100
86) p-Isopropyltoluene	14.51	119	117394	4.861	ug/l	98
87) 1,3-Dichlorobenzene	14.48	146	59762	4.497	ug/l	96
88) 1,4-Dichlorobenzene	14.56	146	65481	4.985	ug/l	98
89) n-Butylbenzene	14.81	91	108364	5.070	ug/l	92
90) Hexachloroethane	15.03	117	29323	4.455	ug/l	92
91) 1,2-Dichlorobenzene	14.83	146	57274	5.145	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.40	75	2535	3.456	ug/l	71

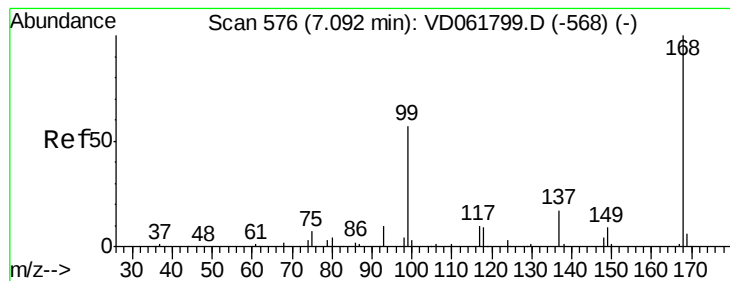
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041519\
Data File : VD061796.D
Acq On : 15 Apr 2019 12:46
Operator : VA/AP
Sample : VSTDICC005
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Apr 16 08:19:00 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
Quant Title : SW846 8260
QLast Update : Tue Apr 16 08:14:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.97	180	27667	4.525	ug/l	91
94) Hexachlorobutadiene	16.05	225	20339	4.591	ug/l	96
95) Naphthalene	16.14	128	41081	4.384	ug/l	99
96) 1,2,3-Trichlorobenzene	16.29	180	16637	4.775	ug/l	90

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.10 min Scan# 576

Delta R.T. 0.00 min

Lab File: VD061796.D

Acq: 15 Apr 2019 12:46

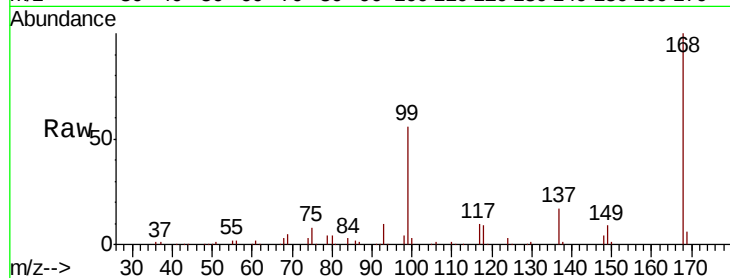
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 631283

Ion Ratio Lower Upper

168 100

99 56.2 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.10

250000

200000

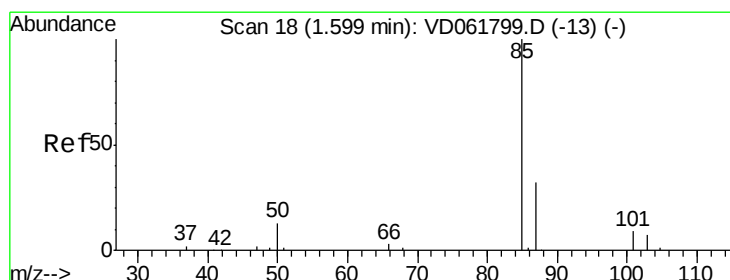
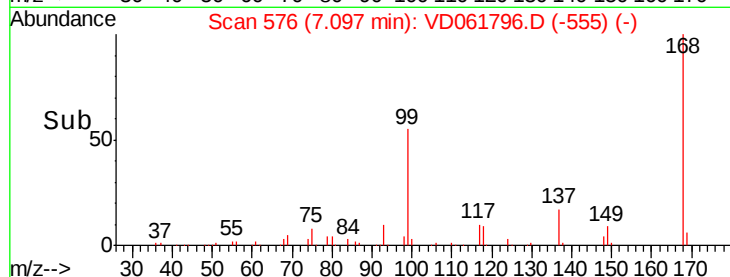
150000

100000

50000

0

Time--> 6.90 7.00 7.10 7.20 7.30



#2

Dichlorodifluoromethane

Concen: 5.162 ug/l

RT: 1.59 min Scan# 17

Delta R.T. -0.01 min

Lab File: VD061796.D

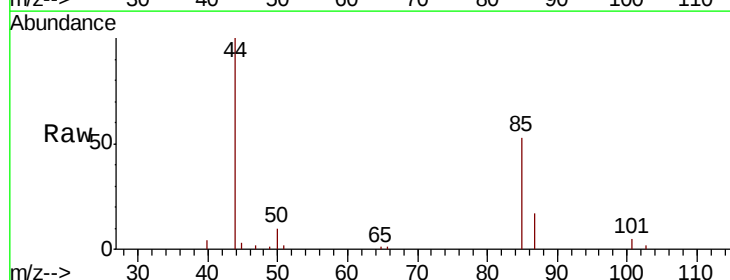
Acq: 15 Apr 2019 12:46

Tgt Ion: 85 Resp: 31975

Ion Ratio Lower Upper

85 100

87 31.4 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

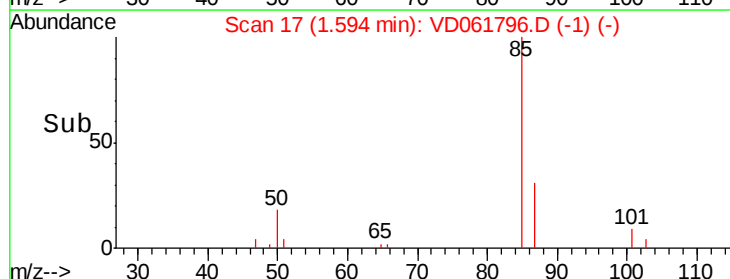
15000

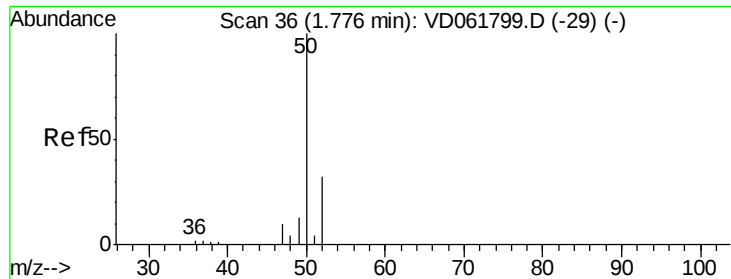
10000

5000

0

Time--> 1.50 1.60 1.70

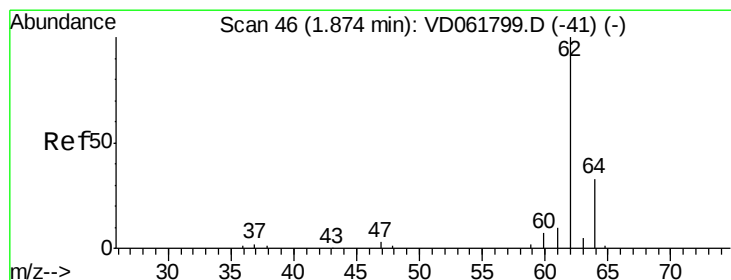
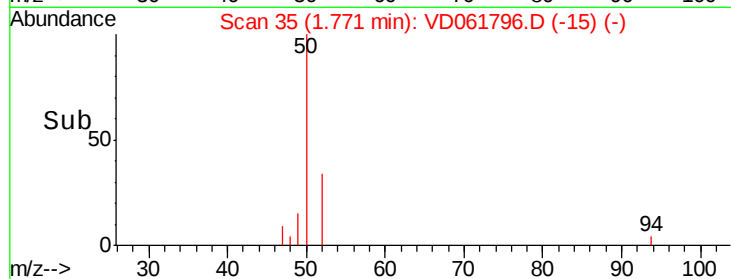
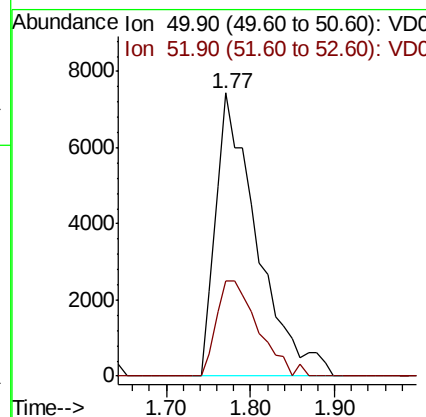
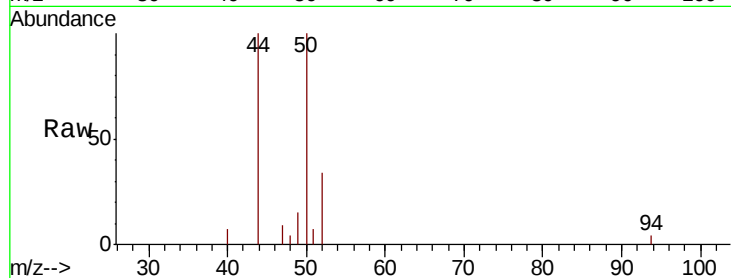




#3
Chloromethane
Concen: 5.118 ug/l
RT: 1.77 min Scan# 35
Delta R.T. -0.01 min
Lab File: VD061796.D
Acq: 15 Apr 2019 12:46

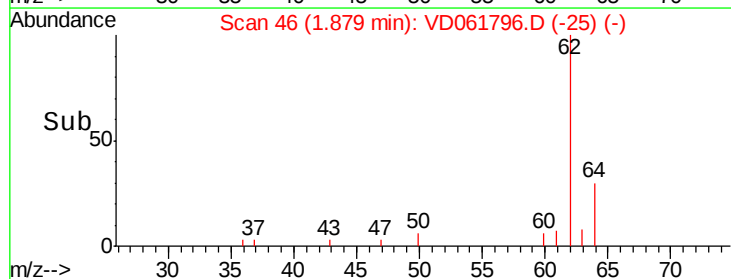
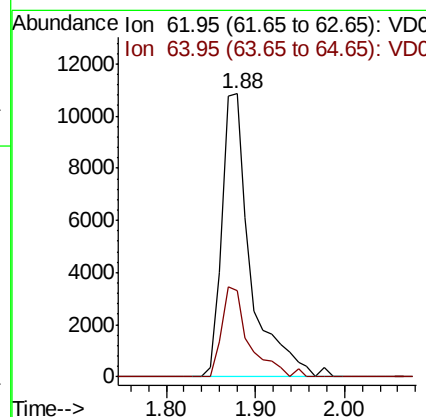
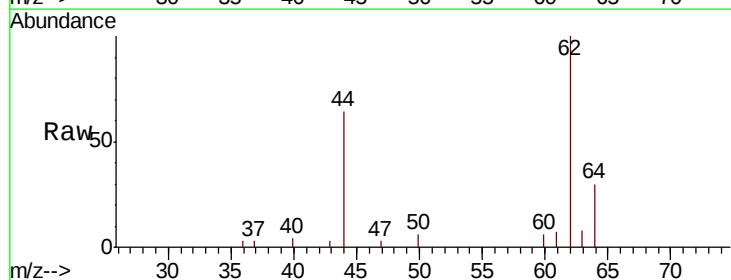
Instrument :
MSVOA_D
ClientSampleId :

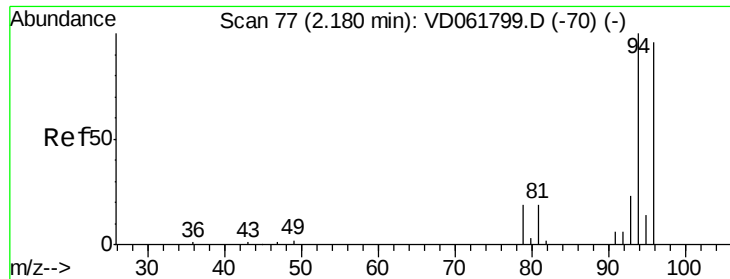
Tot Ion: 50 Resp: 25263
Ion Ratio Lower Upper
50 100
52 33.8 25.2 37.8



#4
Vinyl Chloride
Concen: 5.006 ug/l
RT: 1.88 min Scan# 46
Delta R.T. 0.00 min
Lab File: VD061796.D
Acq: 15 Apr 2019 12:46

Tgt Ion: 62 Resp: 24528
Ion Ratio Lower Upper
62 100
64 30.4 26.5 39.7





#5

Bromomethane

Concen: 7.243 ug/l

RT: 2.17 min Scan# 76

Delta R.T. -0.01 min

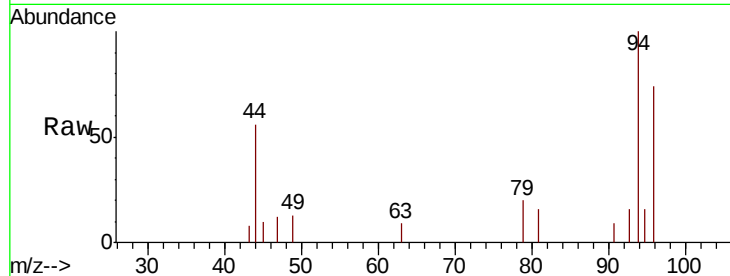
Lab File: VD061796.D

Acq: 15 Apr 2019 12:46

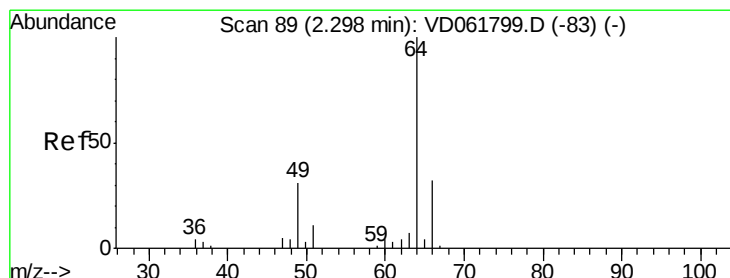
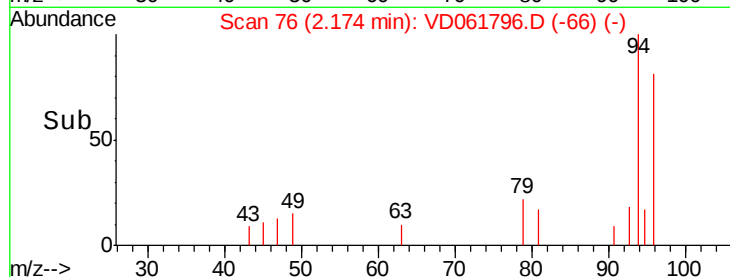
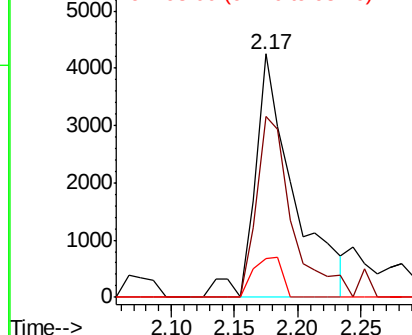
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 94 Resp: 9094

Ion	Ratio	Lower	Upper
94	100		
96	74.3	76.6	115.0#
93	16.1	18.5	27.7#



Abundance Ion 94.00 (93.70 to 94.70): VDC
Ion 96.00 (95.70 to 96.70): VDC
Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 4.718 ug/l

RT: 2.29 min Scan# 88

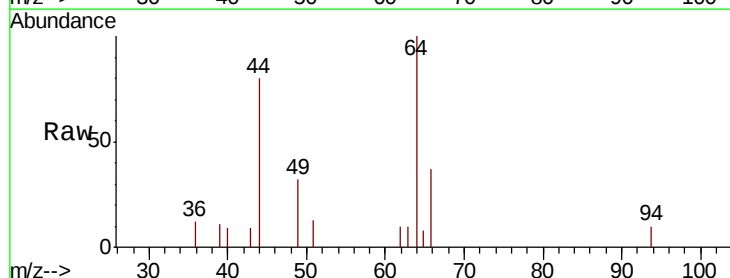
Delta R.T. -0.01 min

Lab File: VD061796.D

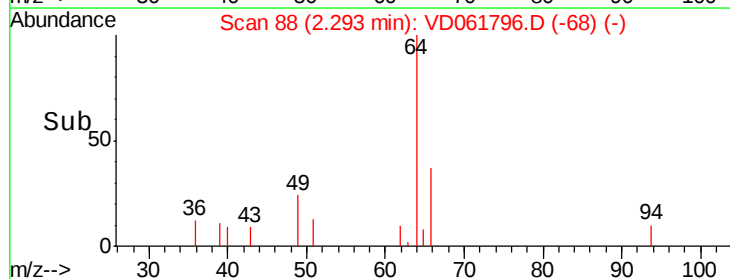
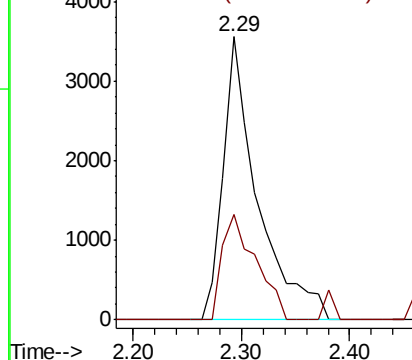
Acq: 15 Apr 2019 12:46

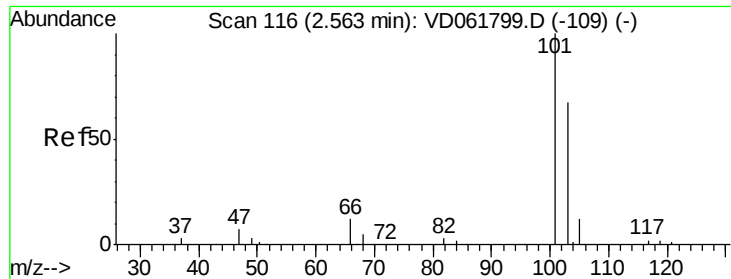
Tgt Ion: 64 Resp: 7886

Ion	Ratio	Lower	Upper
64	100		
66	37.2	25.6	38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



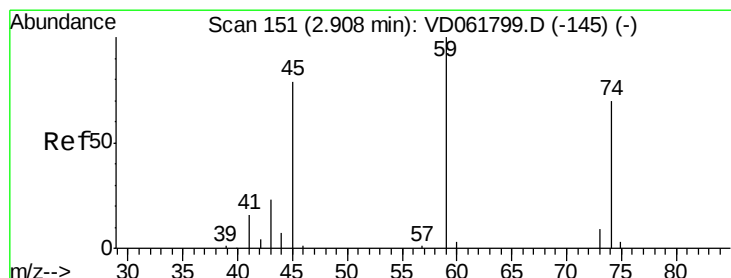
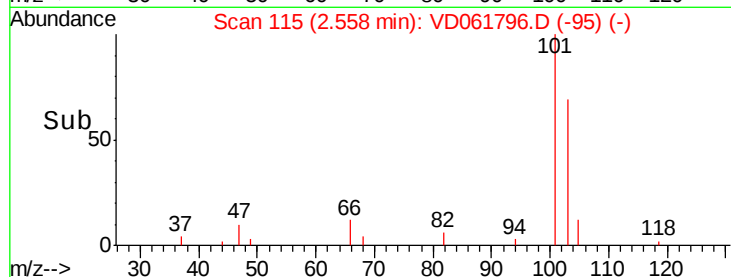
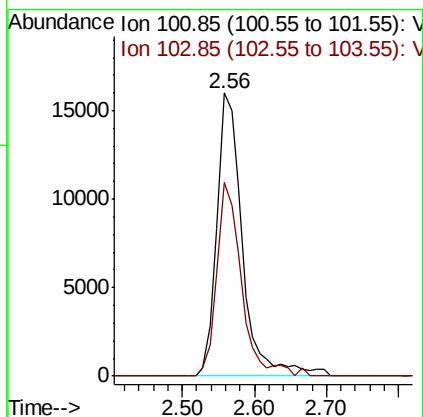
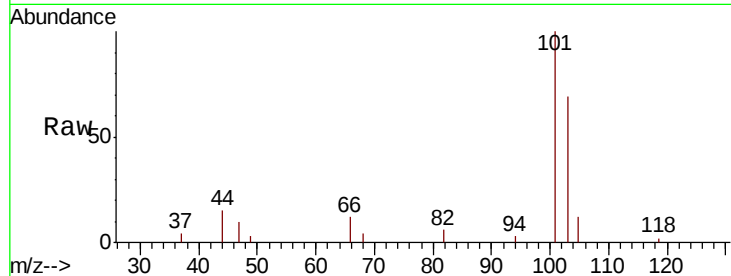


#7

Trichlorofluoromethane
Concen: 4.929 ug/l
RT: 2.56 min Scan# 115
Delta R.T. -0.01 min
Lab File: VD061796.D
Acq: 15 Apr 2019 12:46

Instrument :
MSVOA_D
ClientSampled :

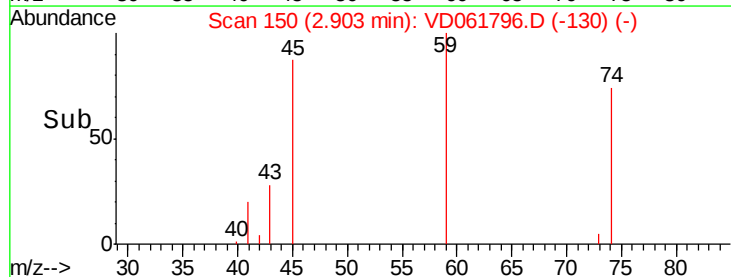
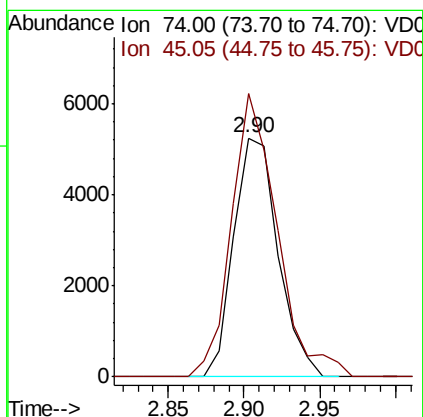
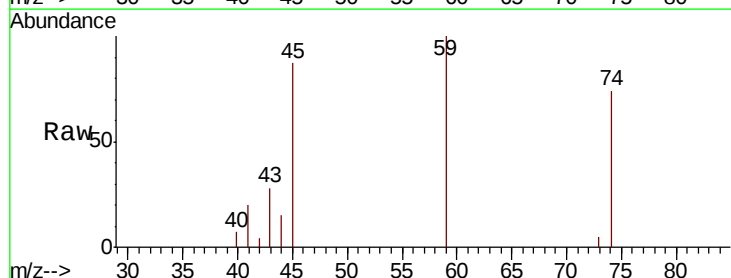
Tot Ion:101 Resp: 39090
Ion Ratio Lower Upper
101 100
103 68.7 53.6 80.4

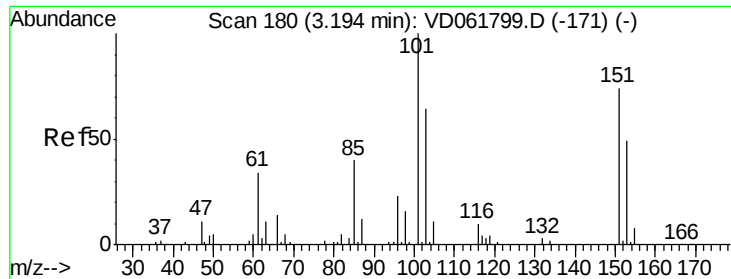


#8

Diethyl Ether
Concen: 5.144 ug/l
RT: 2.90 min Scan# 150
Delta R.T. -0.01 min
Lab File: VD061796.D
Acq: 15 Apr 2019 12:46

Tgt Ion: 74 Resp: 10713
Ion Ratio Lower Upper
74 100
45 118.4 56.9 170.7

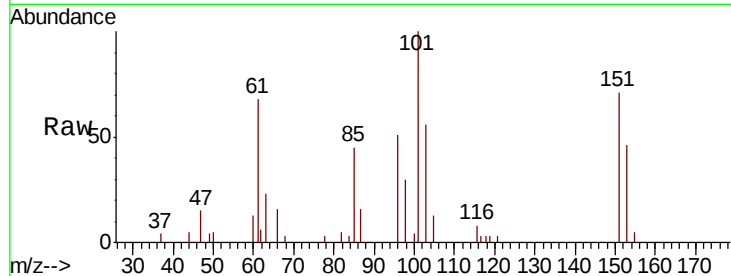




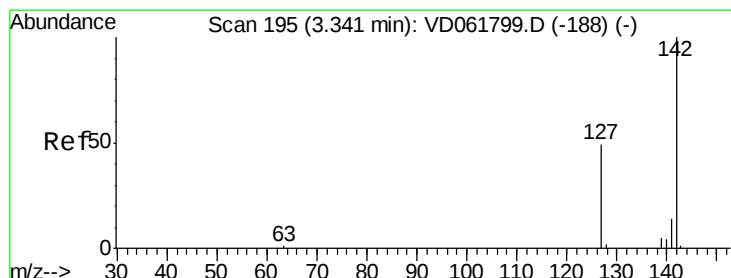
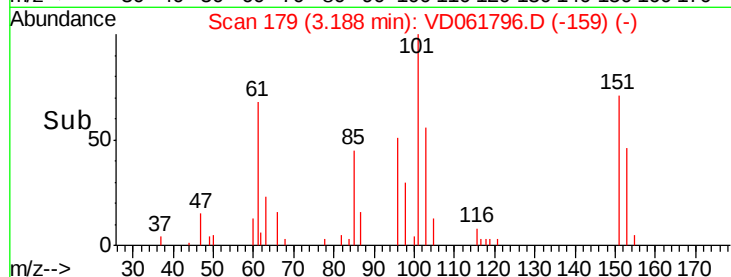
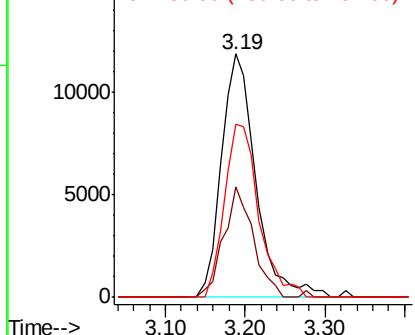
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 5.062 ug/l
 RT: 3.19 min Scan# 179
 Delta R.T. -0.01 min
 Lab File: VD061796.D
 Acq: 15 Apr 2019 12:46

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:101 Resp: 35840
 Ion Ratio Lower Upper
 101 100
 85 45.4 32.4 48.6
 151 71.3 59.4 89.0

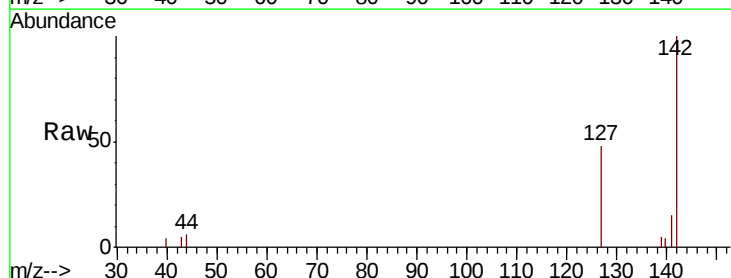


Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 84.95 (84.65 to 85.65): V
 Ion 150.90 (150.60 to 151.60): V

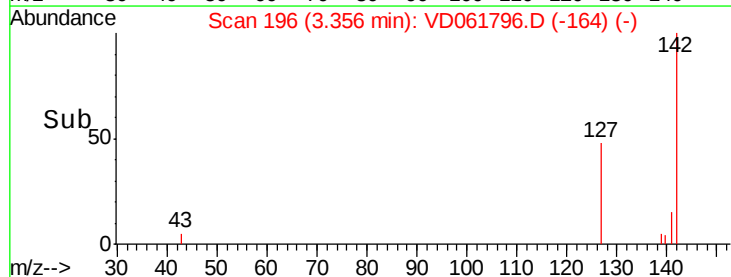
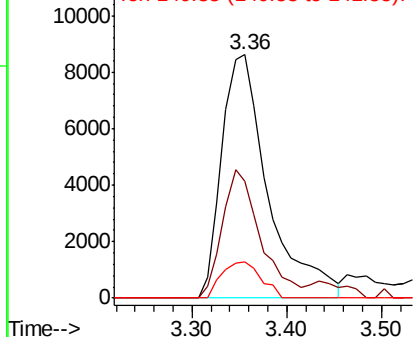


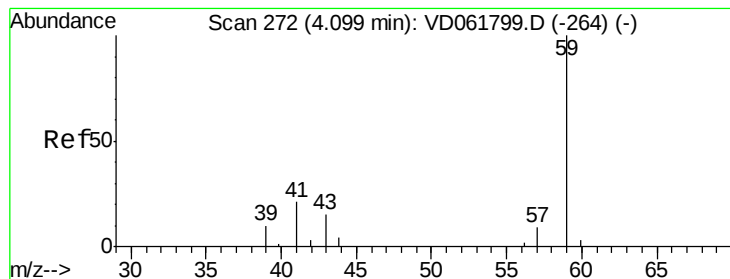
#10
 Methyl Iodide
 Concen: 3.072 ug/l
 RT: 3.36 min Scan# 196
 Delta R.T. 0.01 min
 Lab File: VD061796.D
 Acq: 15 Apr 2019 12:46

Tgt Ion:142 Resp: 29329
 Ion Ratio Lower Upper
 142 100
 127 48.2 38.8 58.2
 141 15.1 11.4 17.0



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



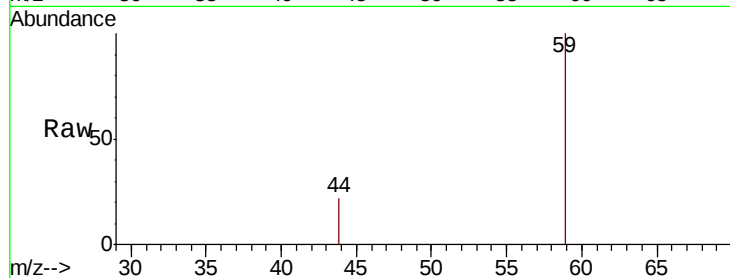


#11

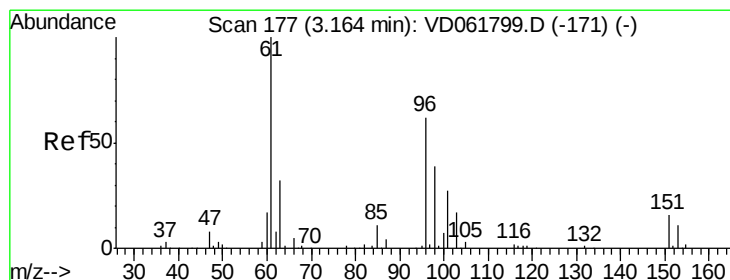
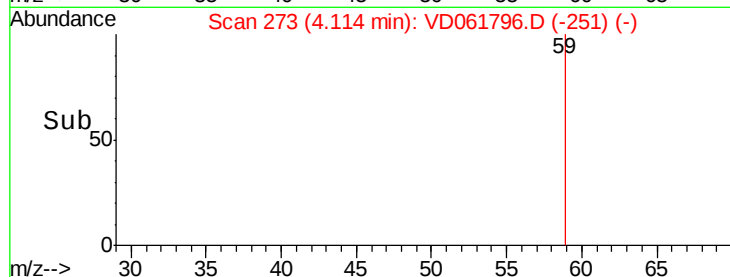
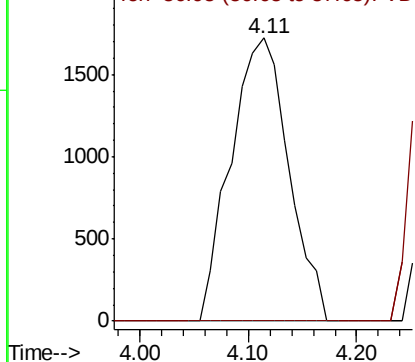
Tert butyl alcohol
 Concen: 20.500 ug/l
 RT: 4.11 min Scan# 273
 Delta R.T. 0.01 min
 Lab File: VD061796.D
 Acq: 15 Apr 2019 12:46

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 59 Resp: 6429
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.9 10.3#



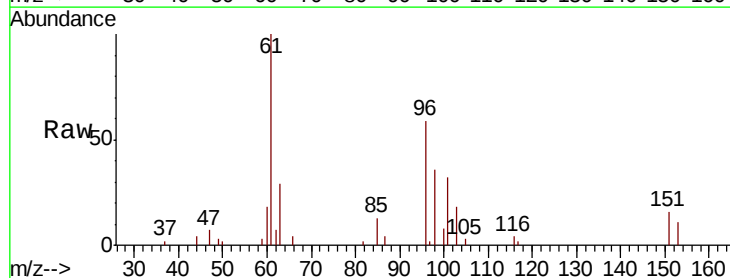
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



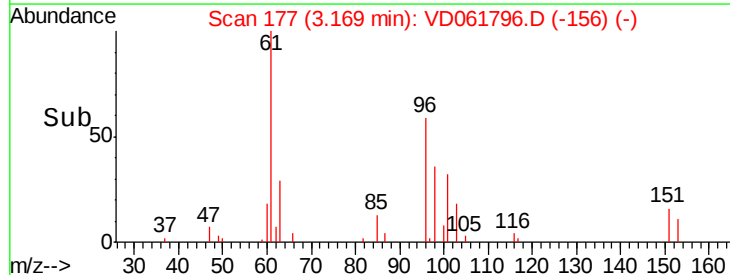
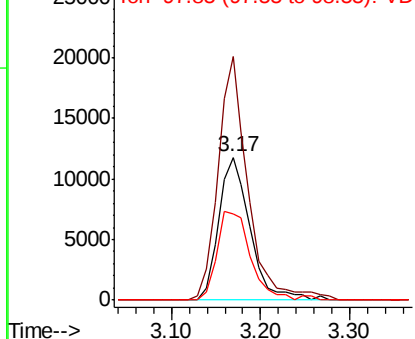
#12

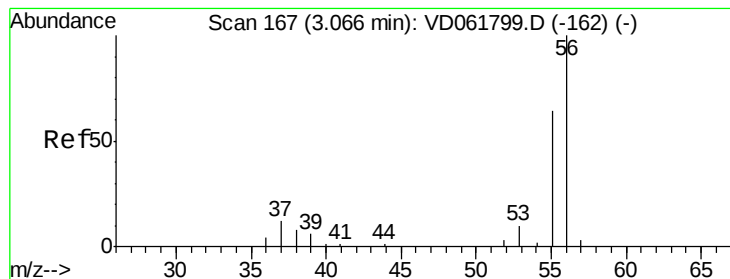
1,1-Dichloroethene
 Concen: 4.863 ug/l
 RT: 3.17 min Scan# 177
 Delta R.T. 0.00 min
 Lab File: VD061796.D
 Acq: 15 Apr 2019 12:46

Tgt Ion: 96 Resp: 28965
 Ion Ratio Lower Upper
 96 100
 61 170.2 129.8 194.8
 98 60.5 51.2 76.8



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





#13

Acrolein

Concen: 26.295 ug/l

RT: 3.08 min Scan# 168

Delta R.T. 0.01 min

Lab File: VD061796.D

Acq: 15 Apr 2019 12:46

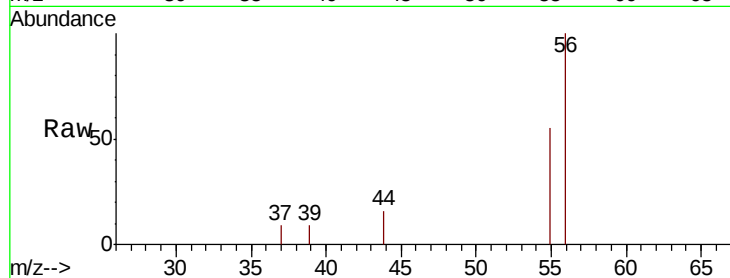
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 7989

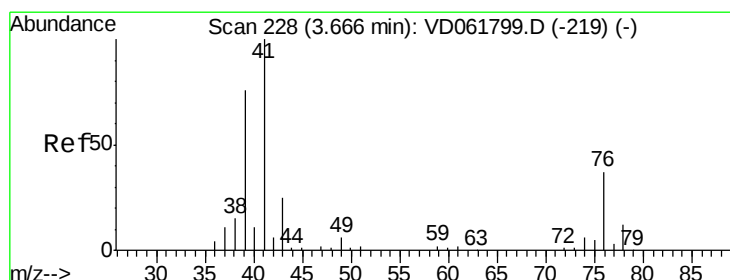
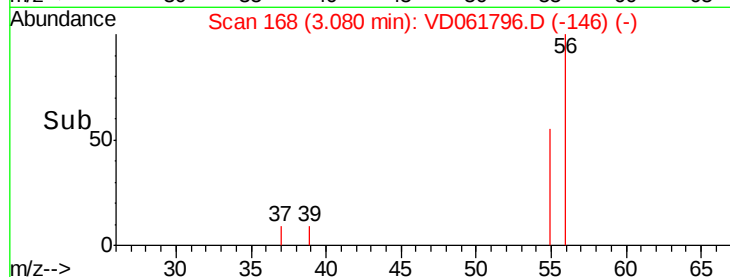
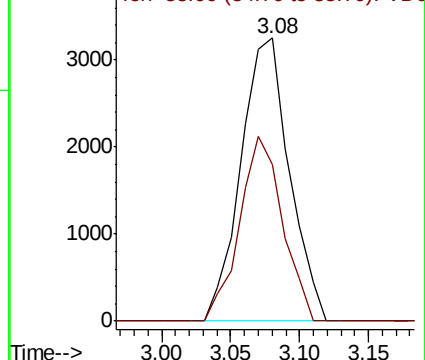
Ion Ratio Lower Upper

56 100

55 55.3 51.4 77.2



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 4.534 ug/l

RT: 3.66 min Scan# 227

Delta R.T. -0.01 min

Lab File: VD061796.D

Acq: 15 Apr 2019 12:46

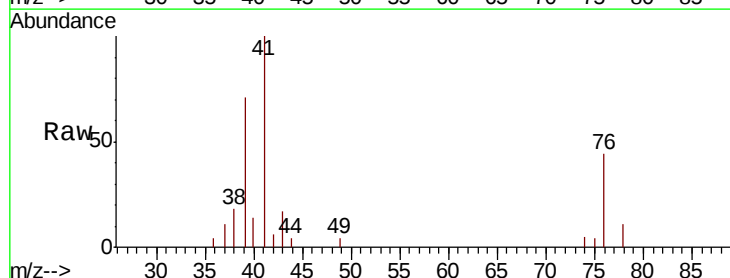
Tgt Ion: 41 Resp: 36810

Ion Ratio Lower Upper

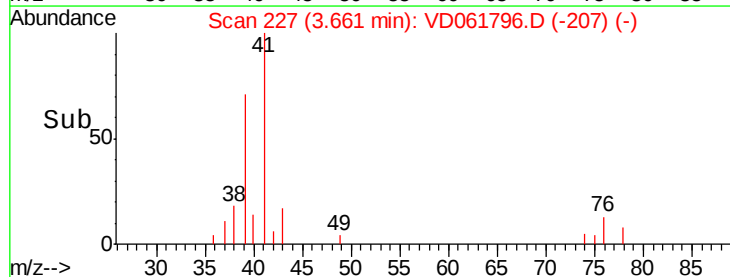
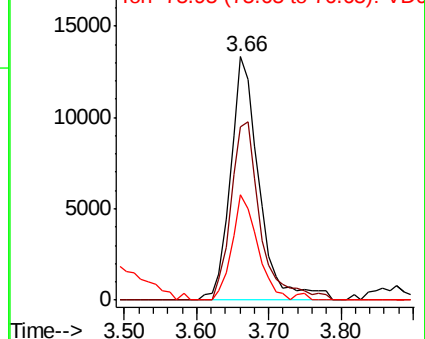
41 100

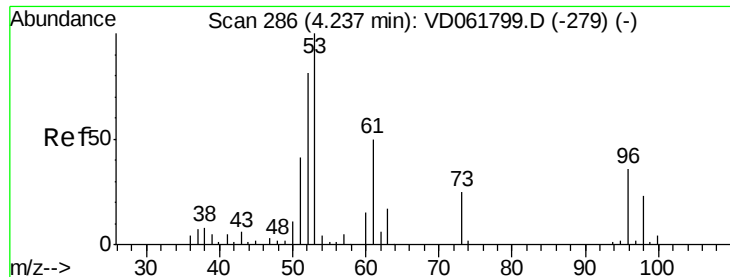
39 71.1 60.5 90.7

76 43.5 31.8 47.8



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





#15

Acrylonitrile

Concen: 22.030 ug/l

RT: 4.24 min Scan# 286

Delta R.T. 0.00 min

Lab File: VD061796.D

Acq: 15 Apr 2019 12:46

Instrument :

MSVOA_D

ClientSampleId :

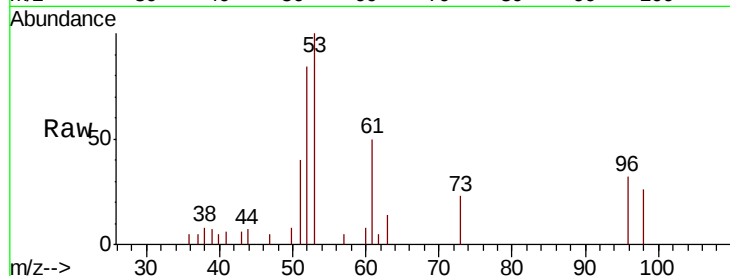
Tot Ion: 53 Resp: 21690

Ion Ratio Lower Upper

53 100

52 84.2 65.0 97.4

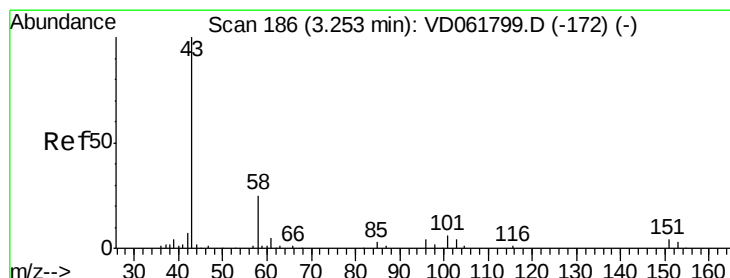
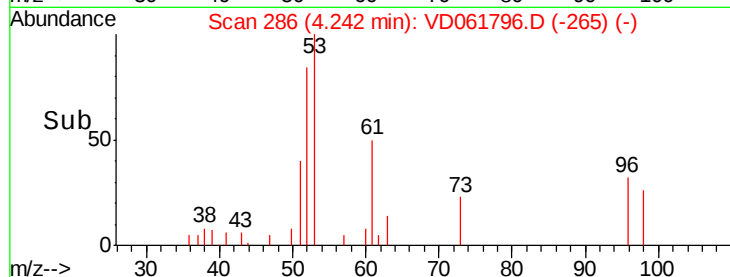
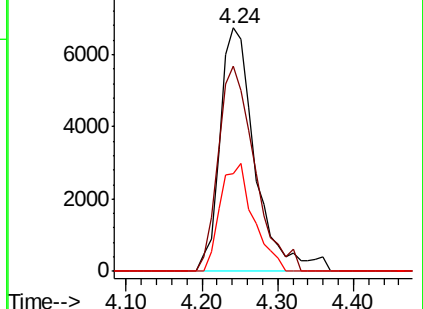
51 40.2 32.6 48.8



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 22.586 ug/l

RT: 3.26 min Scan# 186

Delta R.T. 0.00 min

Lab File: VD061796.D

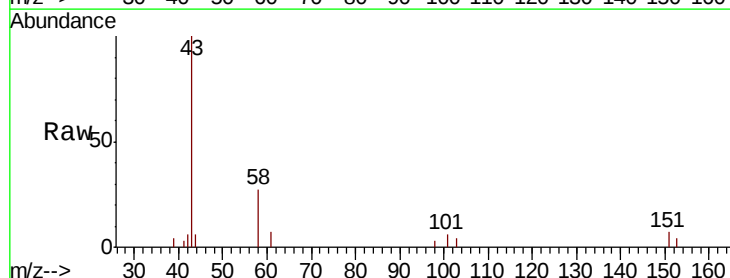
Acq: 15 Apr 2019 12:46

Tgt Ion: 43 Resp: 29607

Ion Ratio Lower Upper

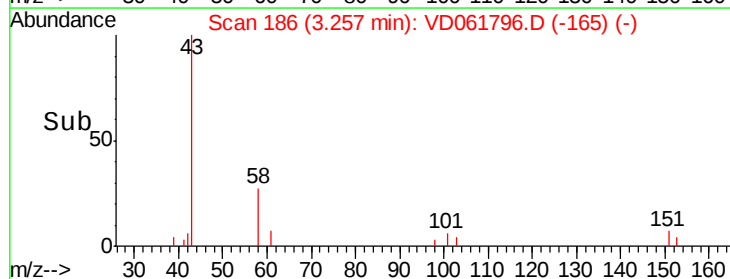
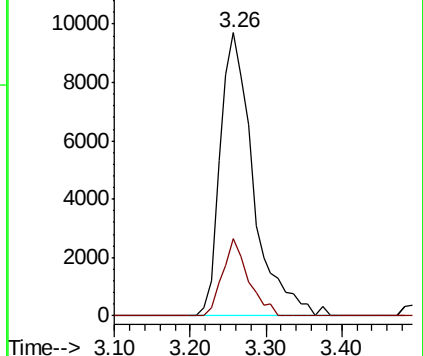
43 100

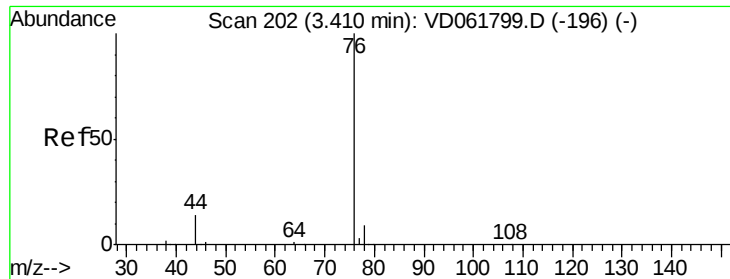
58 27.3 19.9 29.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

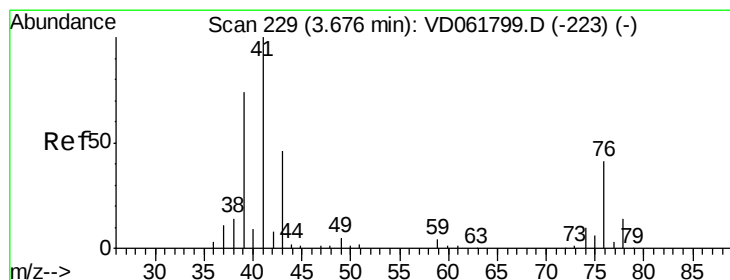
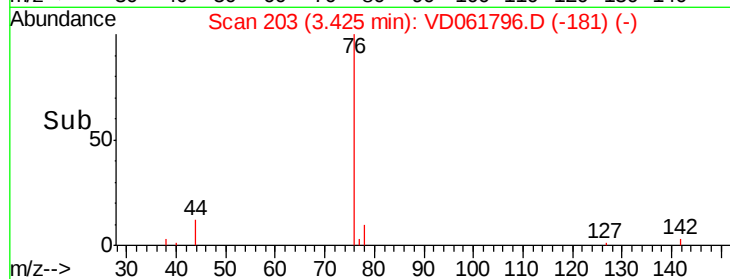
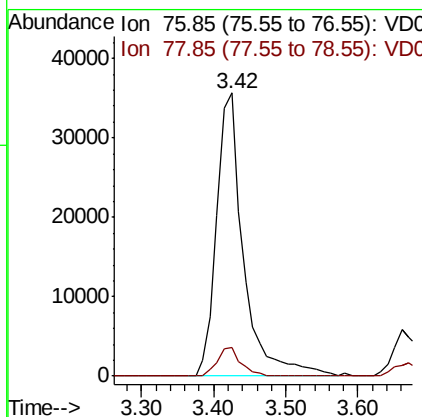
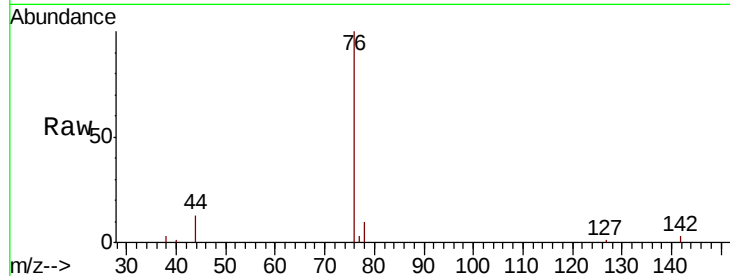




#17
Carbon Disulfide
Concen: 4.764 ug/l
RT: 3.42 min Scan# 203
Delta R.T. 0.01 min
Lab File: VD061796.D
Acq: 15 Apr 2019 12:46

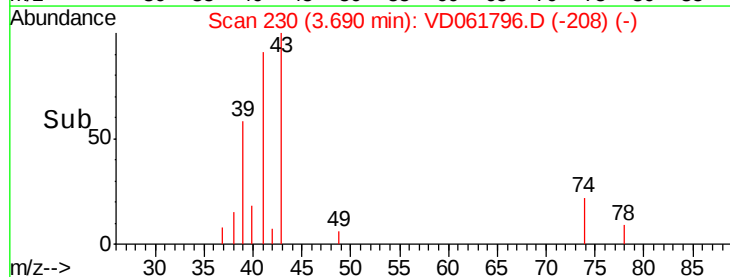
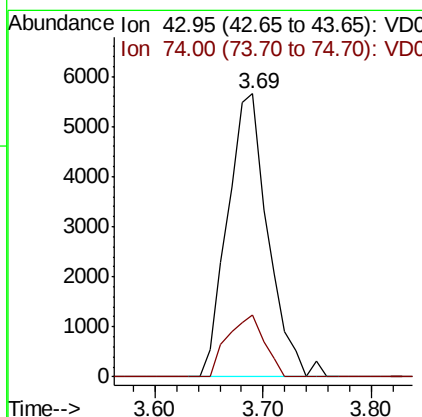
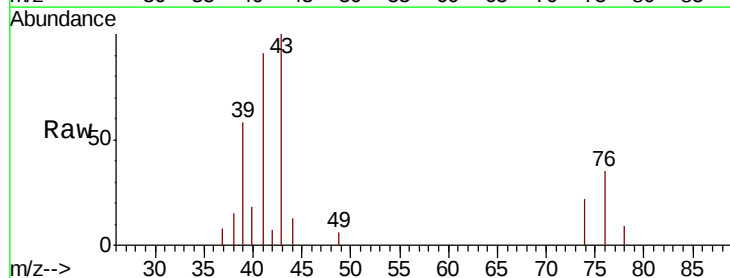
Instrument :
MSVOA_D
ClientSampleId :

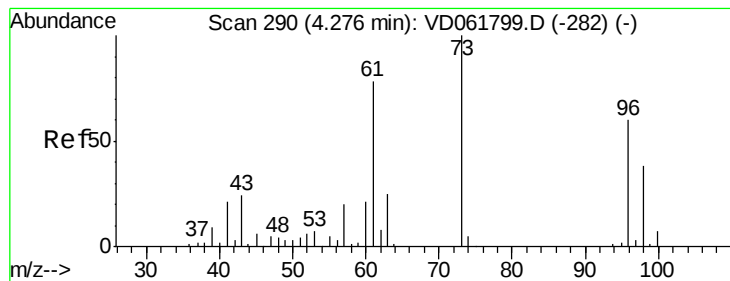
Tot Ion: 76 Resp: 91700
Ion Ratio Lower Upper
76 100
78 10.0 7.2 10.8



#18
Methyl Acetate
Concen: 5.595 ug/l
RT: 3.69 min Scan# 230
Delta R.T. 0.01 min
Lab File: VD061796.D
Acq: 15 Apr 2019 12:46

Tgt Ion: 43 Resp: 14709
Ion Ratio Lower Upper
43 100
74 21.8 18.0 27.0



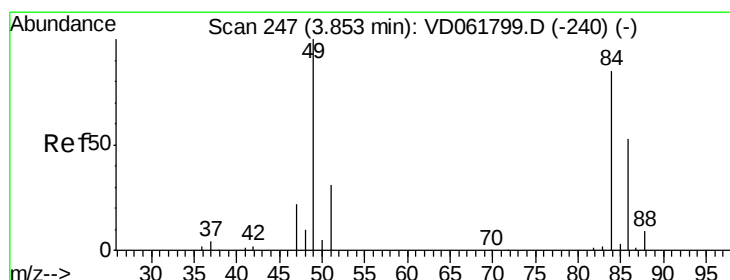
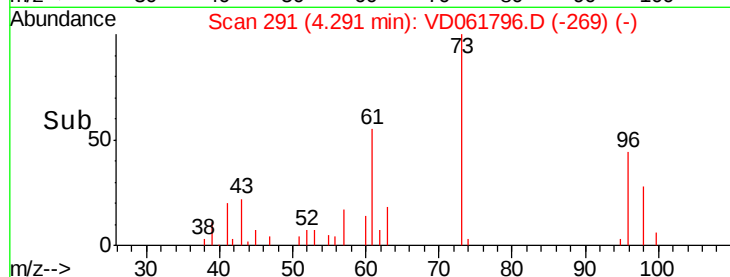
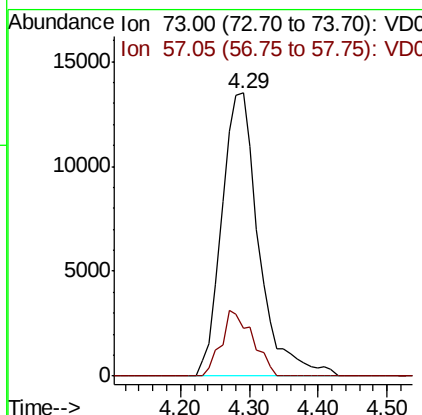
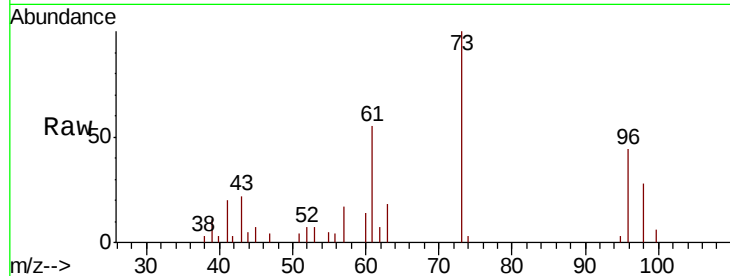


#19

Methyl tert-butyl Ether
 Concen: 4.533 ug/l
 RT: 4.29 min Scan# 291
 Delta R.T. 0.01 min
 Lab File: VD061796.D
 Acq: 15 Apr 2019 12:46

Instrument :
 MSVOA_D
 ClientSampleID :

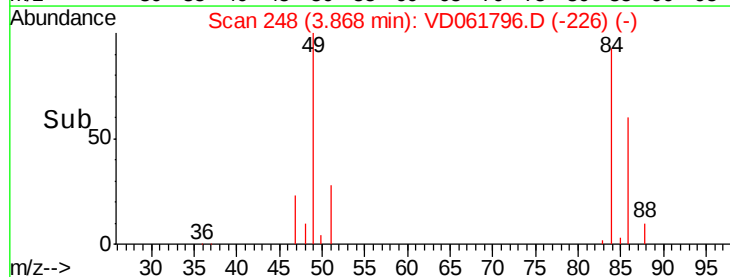
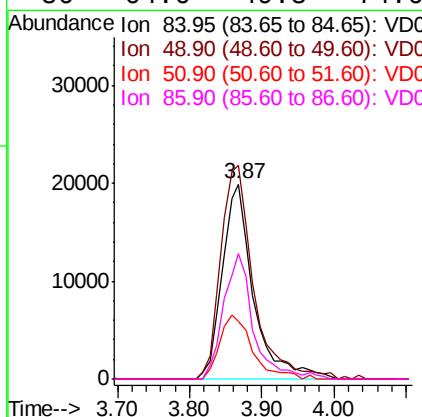
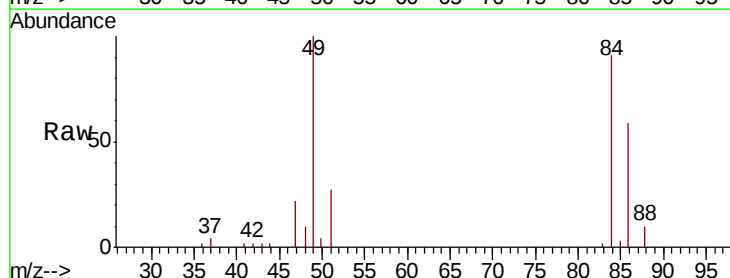
Tot Ion: 73 Resp: 50261
 Ion Ratio Lower Upper
 73 100
 57 16.8 16.3 24.5

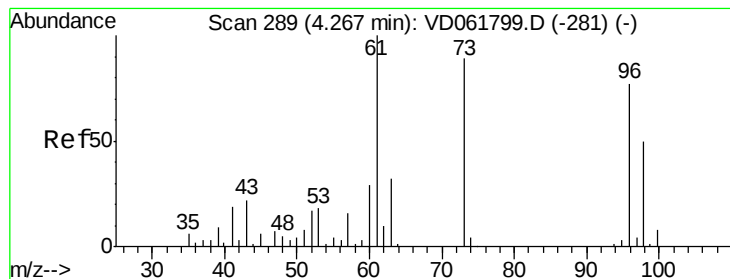


#20

Methylene Chloride
 Concen: 7.511 ug/l
 RT: 3.87 min Scan# 248
 Delta R.T. 0.01 min
 Lab File: VD061796.D
 Acq: 15 Apr 2019 12:46

Tgt Ion: 84 Resp: 59413
 Ion Ratio Lower Upper
 84 100
 49 109.4 94.0 141.0
 51 29.8 29.0 43.4
 86 64.6 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 4.543 ug/l

RT: 4.27 min Scan# 289

Delta R.T. 0.00 min

Lab File: VD061796.D

Acq: 15 Apr 2019 12:46

Instrument :

MSVOA_D

ClientSampleId :

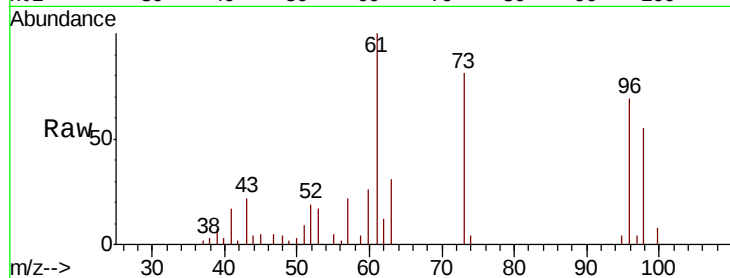
Tot Ion: 96 Resp: 29716

Ion Ratio Lower Upper

96 100

61 144.0 104.4 156.6

98 79.2 51.8 77.8#

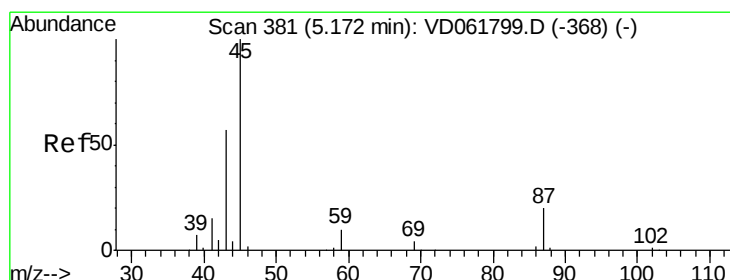
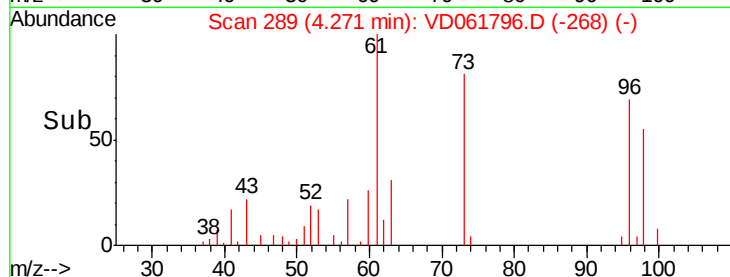
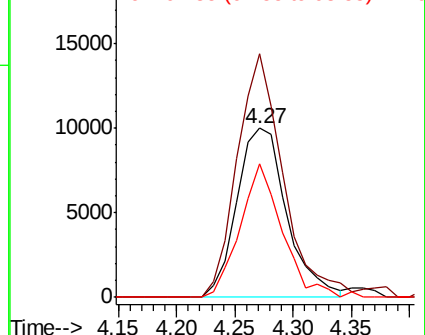


Abundance

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



#22

Diisopropyl ether

Concen: 4.858 ug/l

RT: 5.18 min Scan# 381

Delta R.T. 0.00 min

Lab File: VD061796.D

Acq: 15 Apr 2019 12:46

Tgt Ion: 45 Resp: 84171

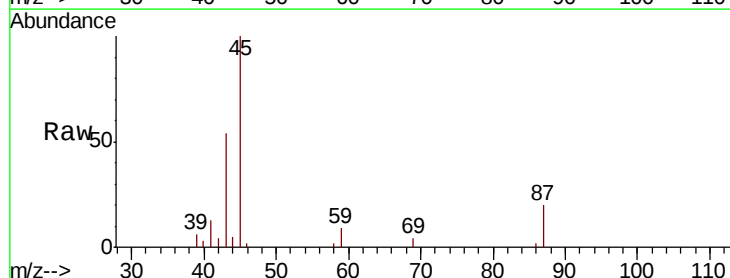
Ion Ratio Lower Upper

45 100

43 54.3 46.2 69.2

87 19.7 15.9 23.9

59 9.1 7.9 11.9



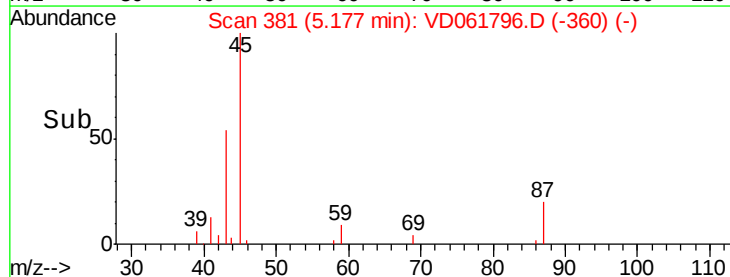
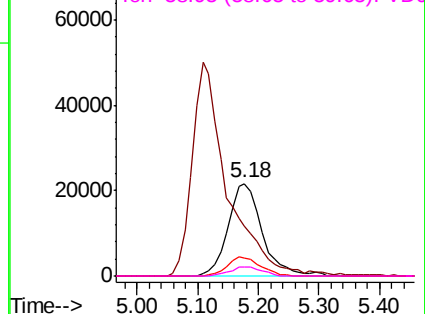
Abundance

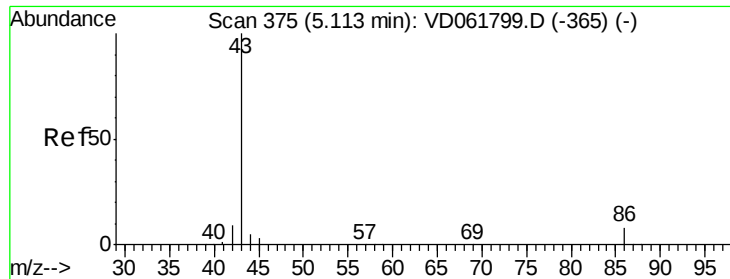
Ion 45.05 (44.75 to 45.75): VDC

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: 21.520 ug/l

RT: 5.11 min Scan# 374

Delta R.T. -0.01 min

Lab File: VD061796.D

Acq: 15 Apr 2019 12:46

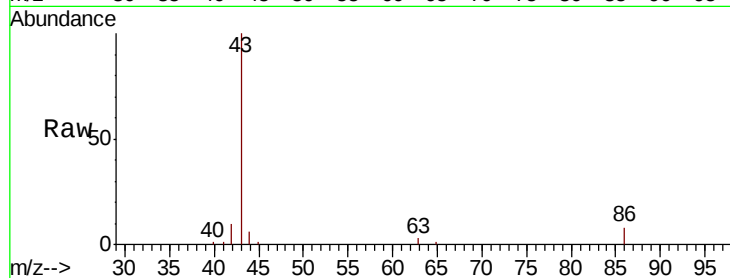
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 199015

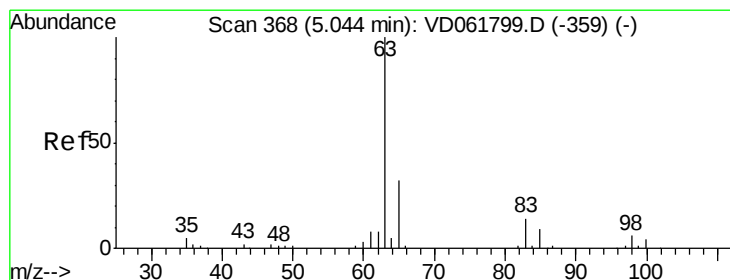
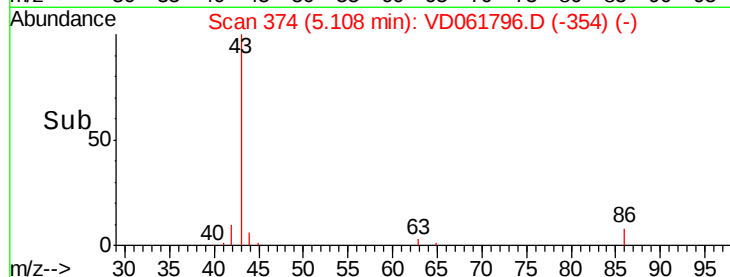
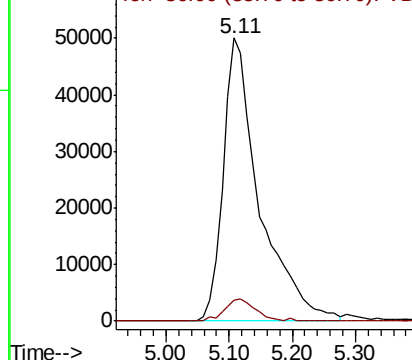
Ion Ratio Lower Upper

43 100

86 7.6 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 4.603 ug/l

RT: 5.04 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD061796.D

Acq: 15 Apr 2019 12:46

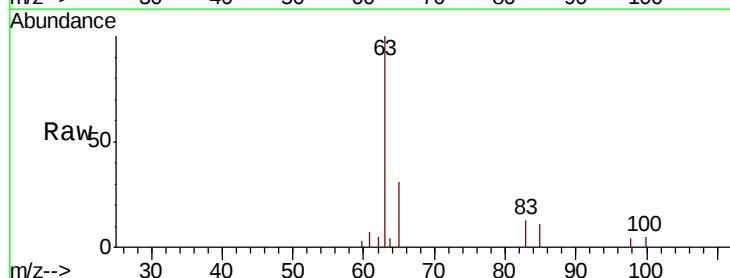
Tgt Ion: 63 Resp: 48402

Ion Ratio Lower Upper

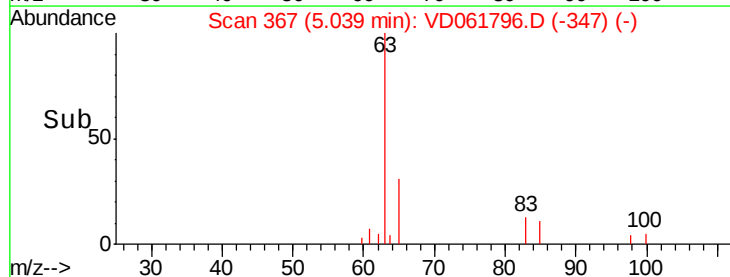
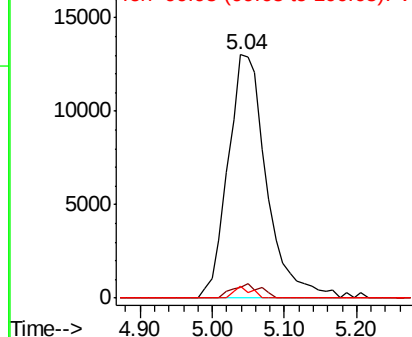
63 100

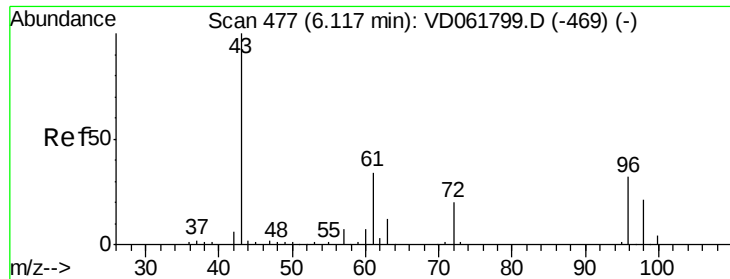
98 4.4 2.8 8.4

100 5.0 1.8 5.5



Abundance Ion 62.95 (62.65 to 63.65): VDC
Ion 97.95 (97.65 to 98.65): VDC
Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 22.576 ug/l

RT: 6.12 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD061796.D

Acq: 15 Apr 2019 12:46

Instrument :

MSVOA_D

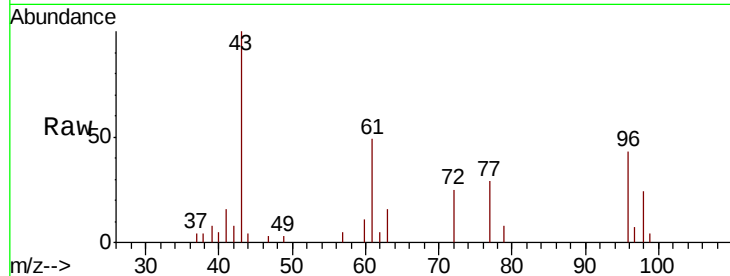
ClientSampleId :

Tot Ion: 43 Resp: 33697

Ion Ratio Lower Upper

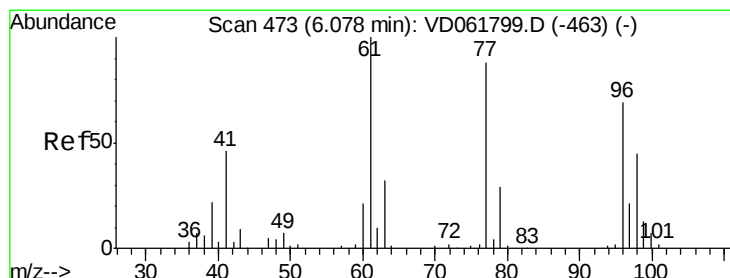
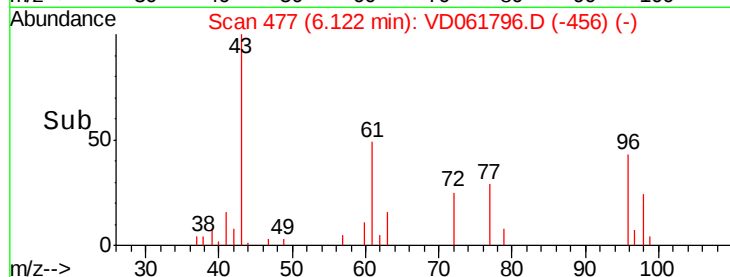
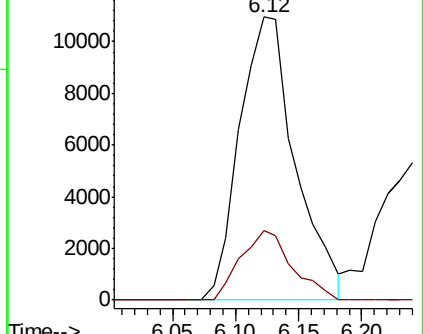
43 100

72 24.5 16.2 24.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 4.898 ug/l

RT: 6.07 min Scan# 472

Delta R.T. -0.01 min

Lab File: VD061796.D

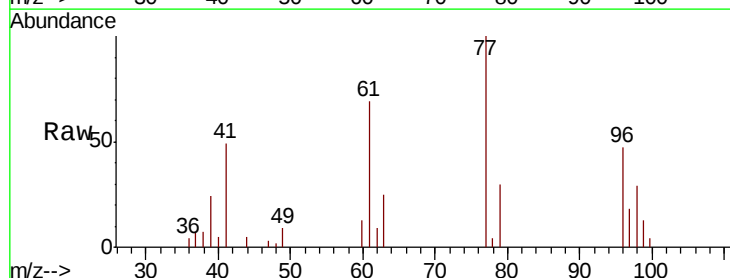
Acq: 15 Apr 2019 12:46

Tgt Ion: 77 Resp: 44565

Ion Ratio Lower Upper

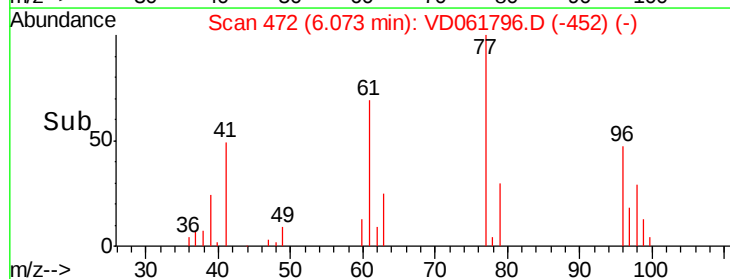
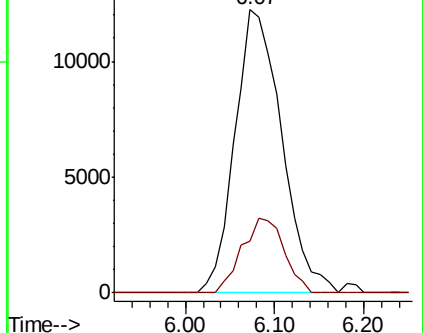
77 100

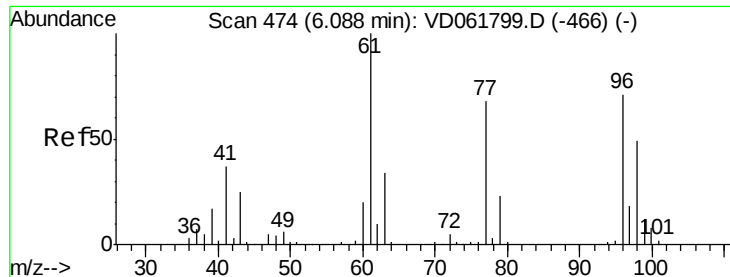
97 18.4 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



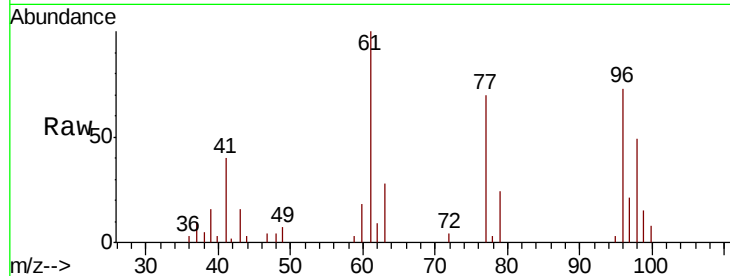


#27

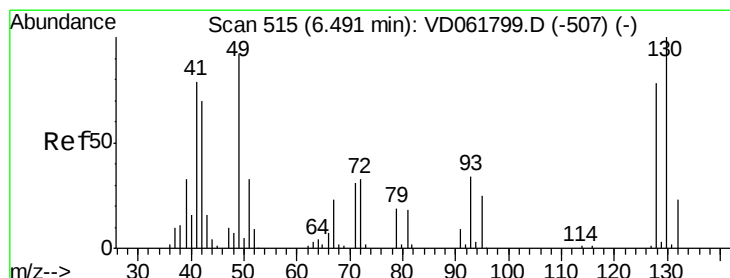
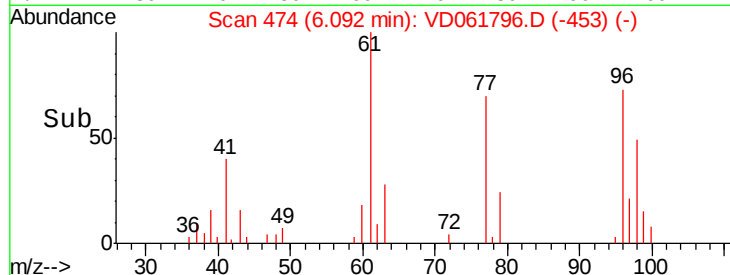
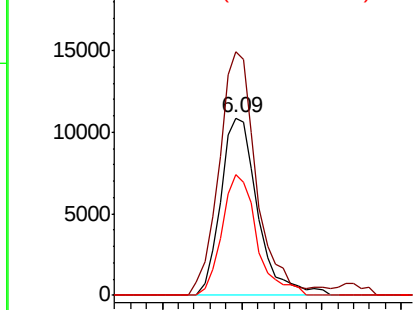
cis-1,2-Dichloroethene
Concen: 4.964 ug/l
RT: 6.09 min Scan# 474
Delta R.T. 0.00 min
Lab File: VD061796.D
Acq: 15 Apr 2019 12:46

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 96 Resp: 35243
Ion Ratio Lower Upper
96 100
61 137.1 0.0 279.8
98 67.7 0.0 136.0



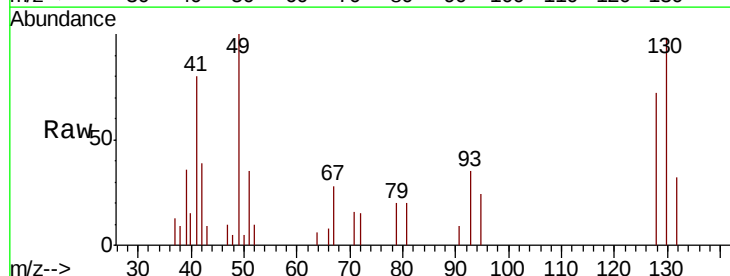
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



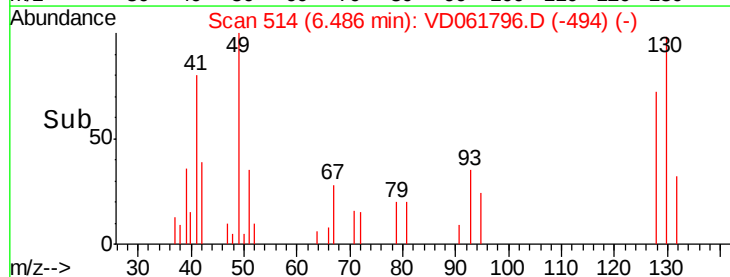
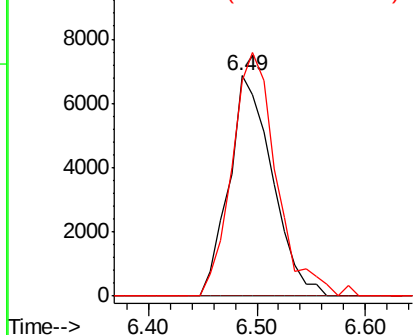
#28

Bromochloromethane
Concen: 4.778 ug/l
RT: 6.49 min Scan# 514
Delta R.T. -0.01 min
Lab File: VD061796.D
Acq: 15 Apr 2019 12:46

Tgt Ion: 49 Resp: 19104
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.6
130 97.8 86.7 130.1



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

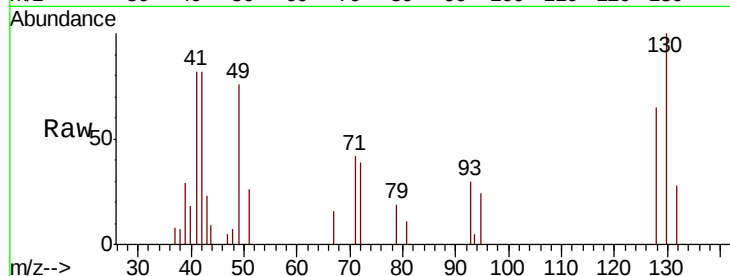




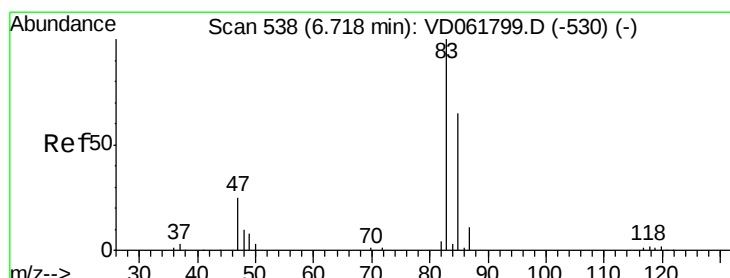
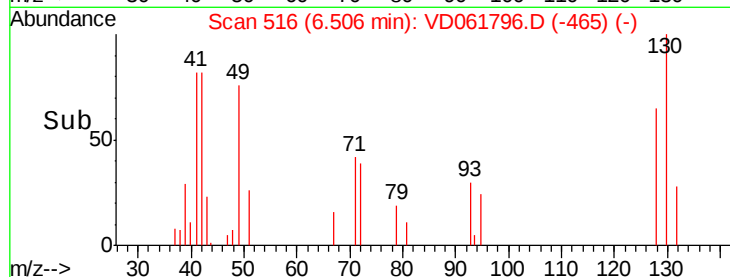
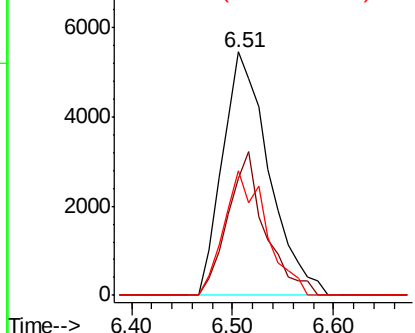
#29
Tetrahydrofuran
Concen: 23.940 ug/l
RT: 6.51 min Scan# 516
Delta R.T. 0.00 min
Lab File: VD061796.D
Acq: 15 Apr 2019 12:46

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 42 Resp: 17407
Ion Ratio Lower Upper
42 100
72 47.5 37.8 56.6
71 46.8 36.7 55.1

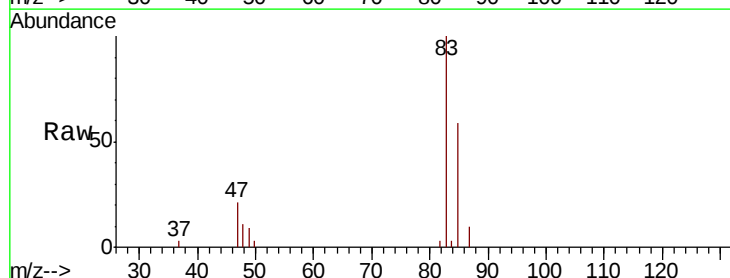


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

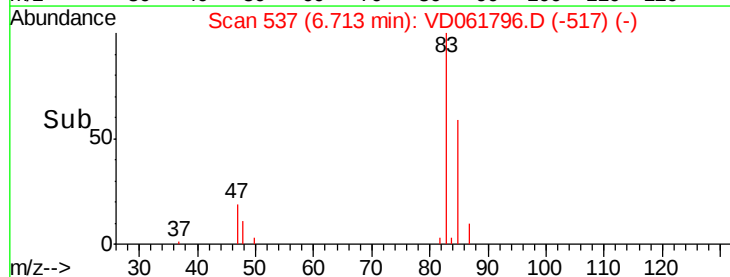
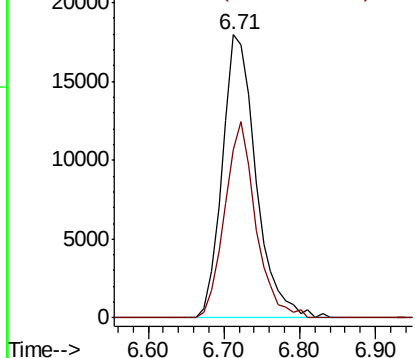


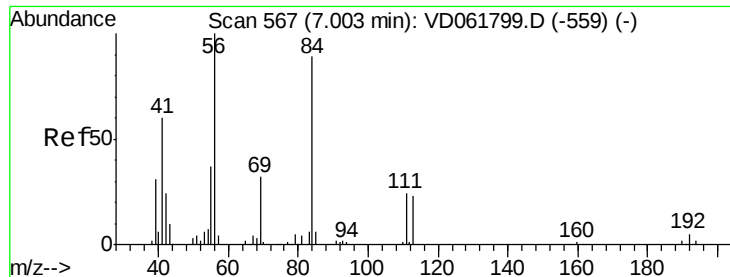
#30
Chloroform
Concen: 4.701 ug/l
RT: 6.71 min Scan# 537
Delta R.T. -0.01 min
Lab File: VD061796.D
Acq: 15 Apr 2019 12:46

Tgt Ion: 83 Resp: 55184
Ion Ratio Lower Upper
83 100
85 59.4 51.7 77.5



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

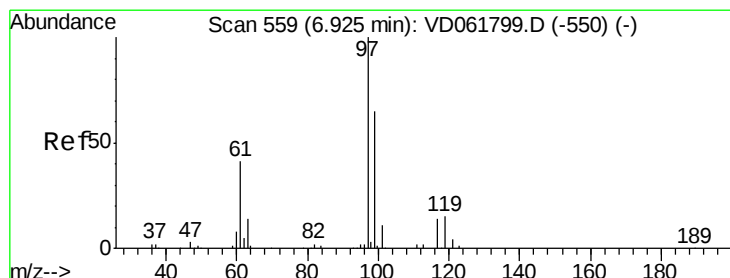
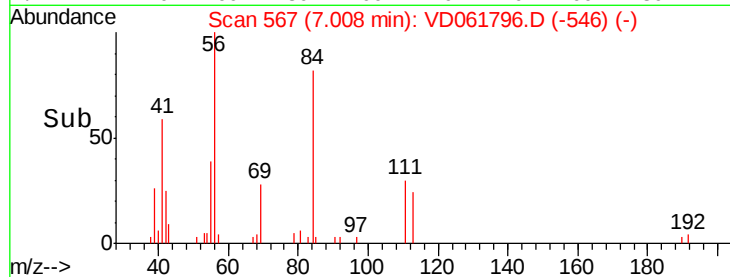
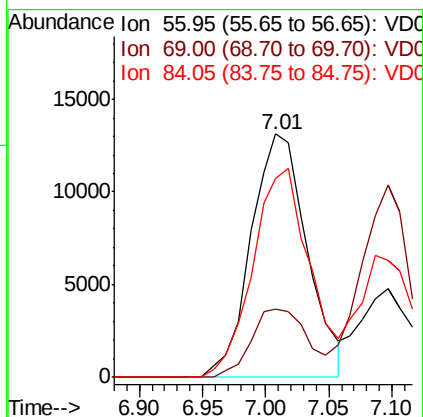
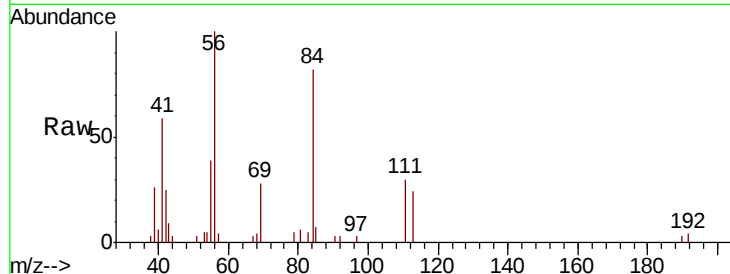




#31
Cvclohexane
Concen: 5.038 ug/l
RT: 7.01 min Scan# 567
Delta R.T. 0.00 min
Lab File: VD061796.D
Acq: 15 Apr 2019 12:46

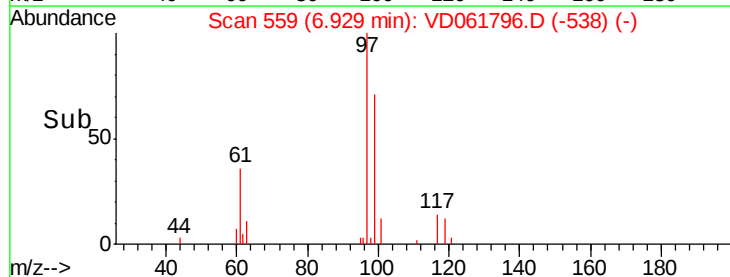
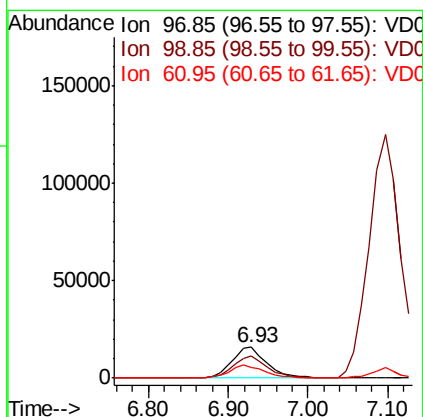
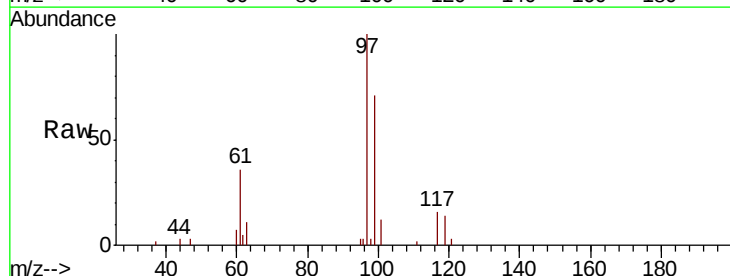
Instrument :
MSVOA_D
ClientSampleId :

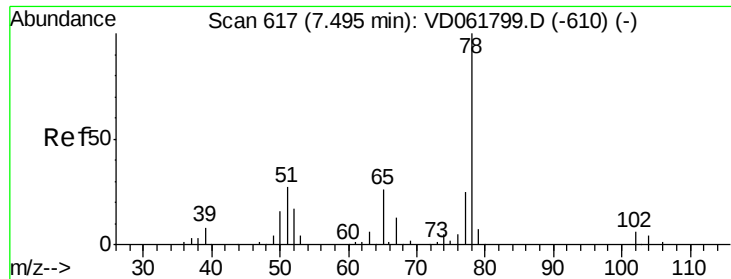
Tot Ion: 56 Resp: 40591
Ion Ratio Lower Upper
56 100
69 27.9 25.8 38.6
84 81.8 72.2 108.4



#32
1,1,1-Trichloroethane
Concen: 4.633 ug/l
RT: 6.93 min Scan# 559
Delta R.T. 0.00 min
Lab File: VD061796.D
Acq: 15 Apr 2019 12:46

Tgt Ion: 97 Resp: 48208
Ion Ratio Lower Upper
97 100
99 71.5 52.2 78.2
61 35.6 32.4 48.6





#33

1,2-Dichloroethane-d4

Concen: 4.633 ug/l

RT: 7.50 min Scan# 617

Delta R.T. 0.00 min

Lab File: VD061796.D

Acq: 15 Apr 2019 12:46

Instrument :

MSVOA_D

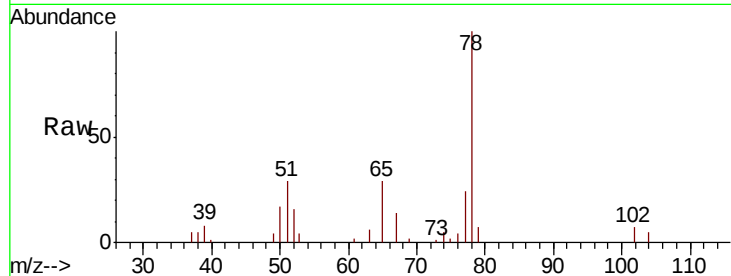
ClientSampleId :

Tot Ion: 65 Resp: 24447

Ion Ratio Lower Upper

65 100

67 49.9 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.50

8000

6000

4000

2000

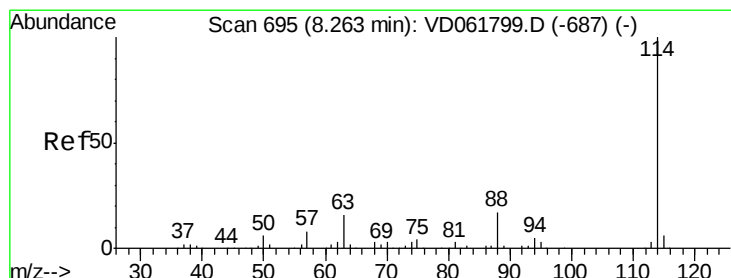
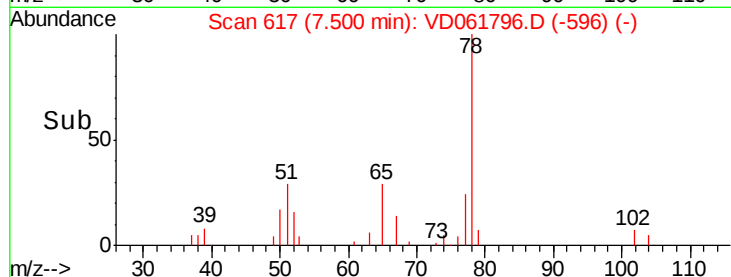
0

7.40

7.50

7.60

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.27 min Scan# 695

Delta R.T. 0.00 min

Lab File: VD061796.D

Acq: 15 Apr 2019 12:46

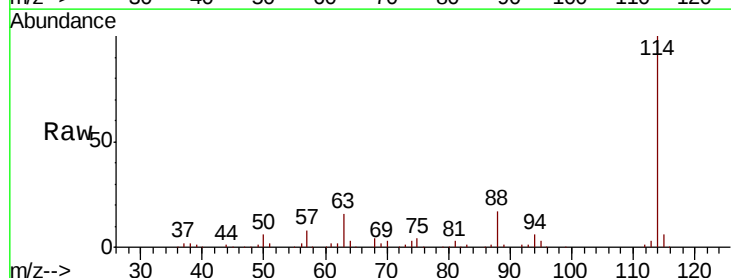
Tgt Ion: 114 Resp: 1001708

Ion Ratio Lower Upper

114 100

63 16.3 0.0 32.4

88 16.6 0.0 33.6



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

500000

400000

300000

200000

100000

0

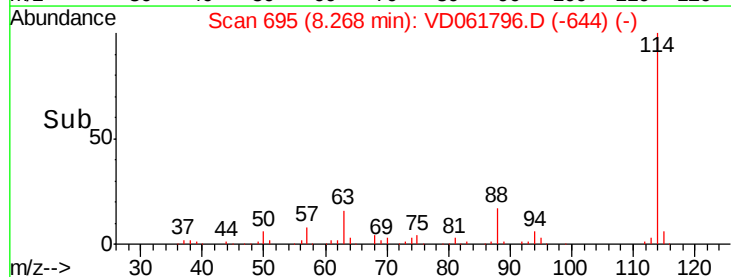
8.20

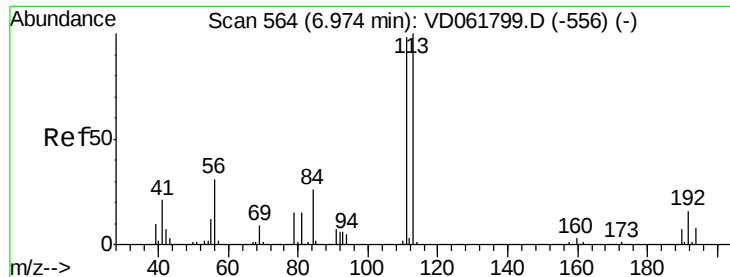
8.27

8.40

8.60

Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.98 min Scan# 564

Delta R.T. 0.00 min

Lab File: VD061796.D

Acq: 15 Apr 2019 12:46

Instrument :

MSVOA_D

ClientSampleId :

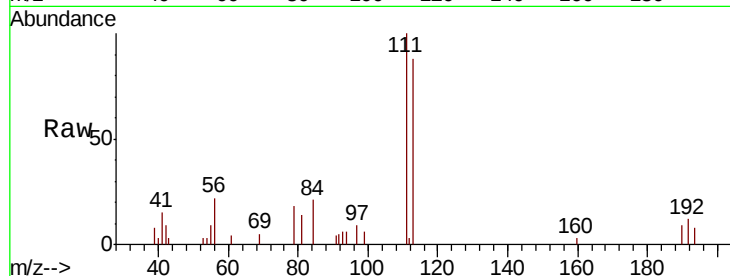
Tot Ion:113 Resp: 36541

Ion Ratio Lower Upper

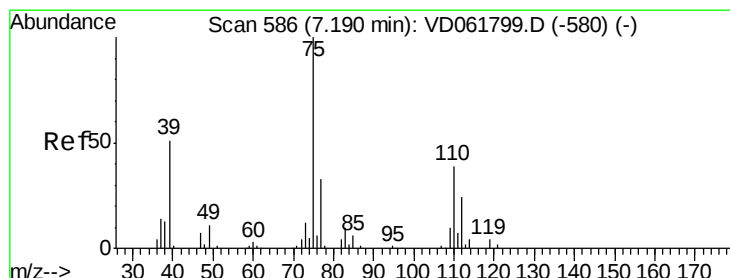
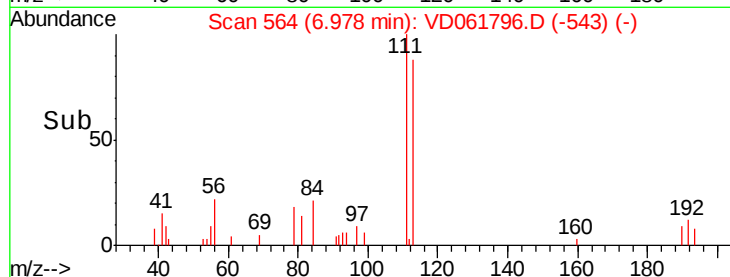
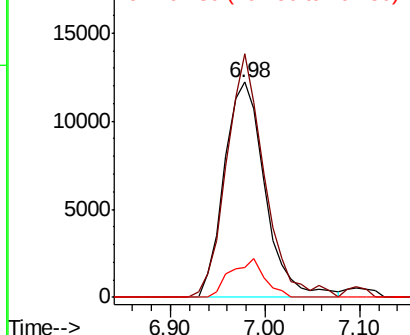
113 100

111 113.1 78.5 117.7

192 14.0 13.0 19.4



Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 4.483 ug/l

RT: 7.20 min Scan# 587

Delta R.T. 0.01 min

Lab File: VD061796.D

Acq: 15 Apr 2019 12:46

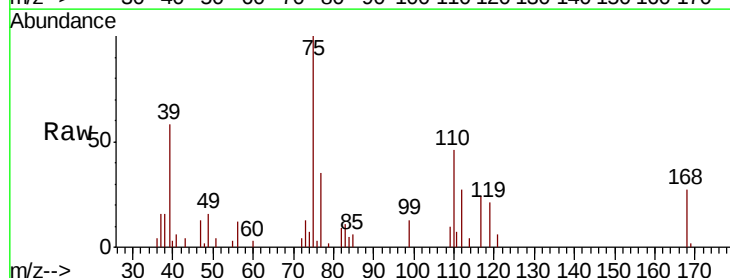
Tgt Ion: 75 Resp: 36702

Ion Ratio Lower Upper

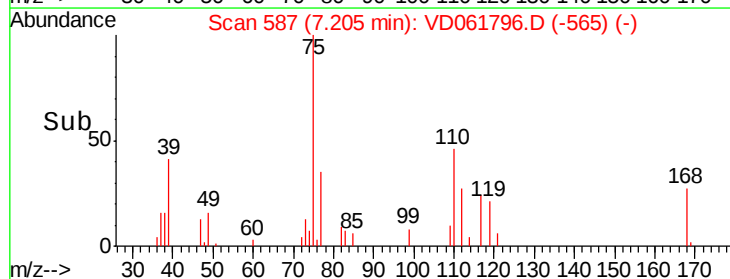
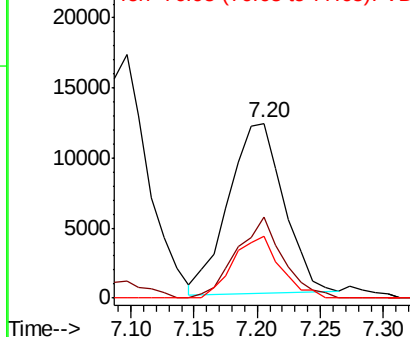
75 100

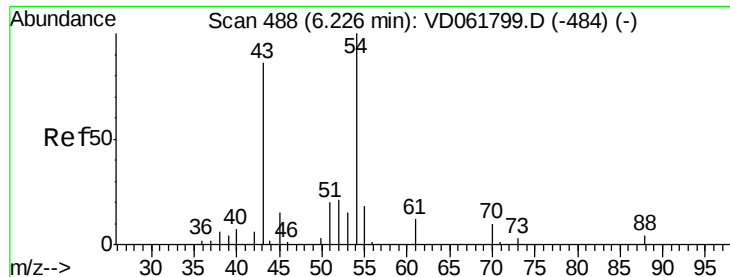
110 46.1 19.1 57.1

77 35.0 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): V

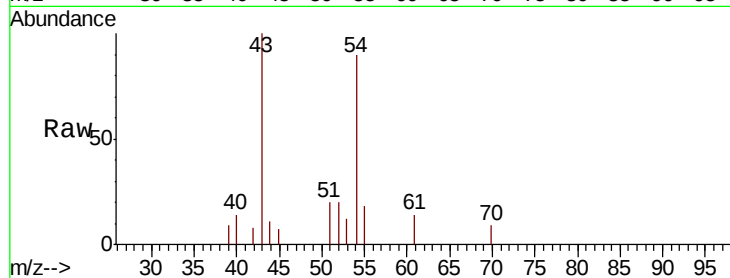




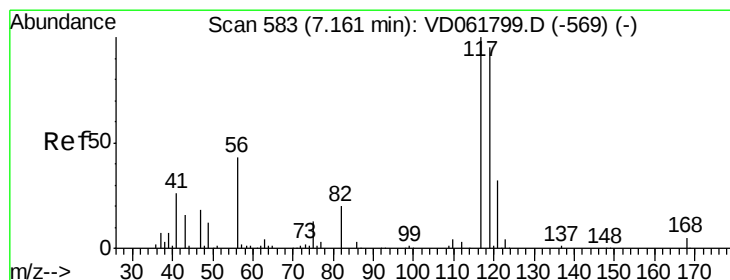
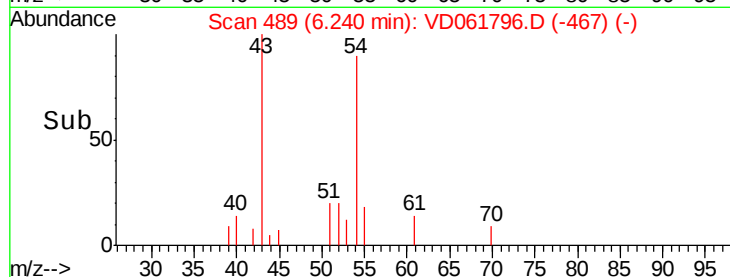
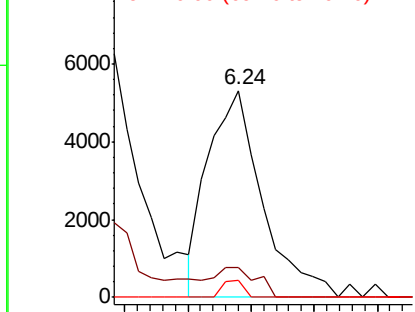
#37
Ethyl Acetate
Concen: 4.530 ug/l
RT: 6.24 min Scan# 489
Delta R.T. 0.01 min
Lab File: VD061796.D
Acq: 15 Apr 2019 12:46

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 15869
Ion Ratio Lower Upper
43 100
61 14.3 14.7 22.1#
70 8.5 7.8 11.6

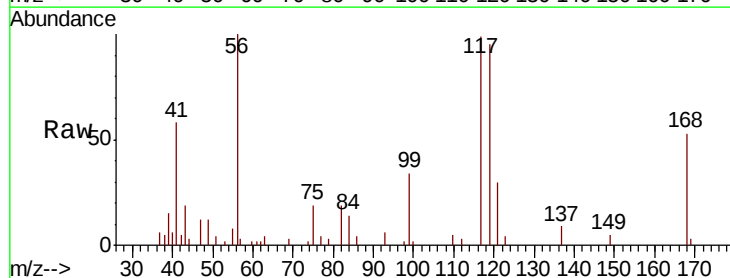


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

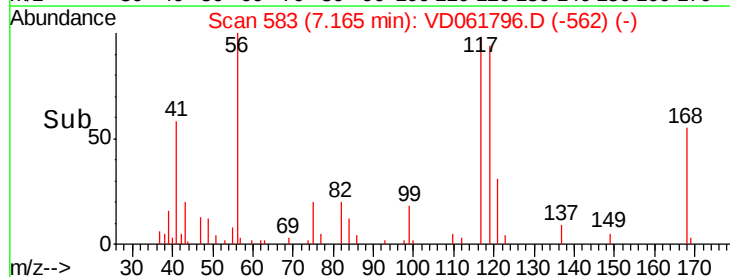
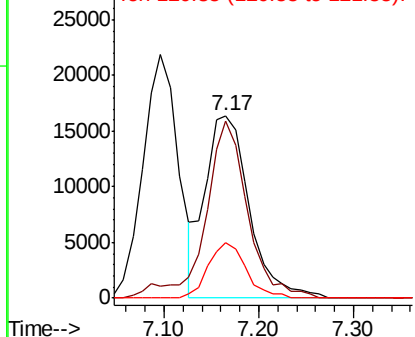


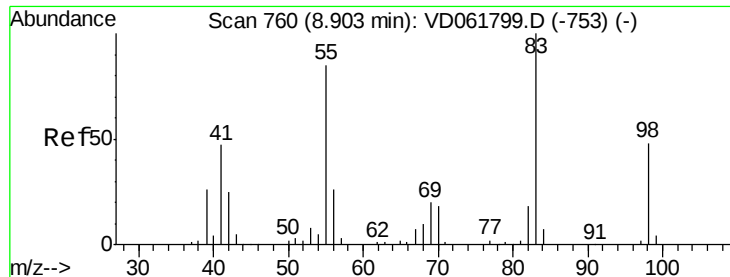
#38
Carbon Tetrachloride
Concen: 4.981 ug/l
RT: 7.17 min Scan# 583
Delta R.T. 0.00 min
Lab File: VD061796.D
Acq: 15 Apr 2019 12:46

Tgt Ion: 117 Resp: 53084
Ion Ratio Lower Upper
117 100
119 96.8 75.8 113.8
121 30.5 25.9 38.9



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

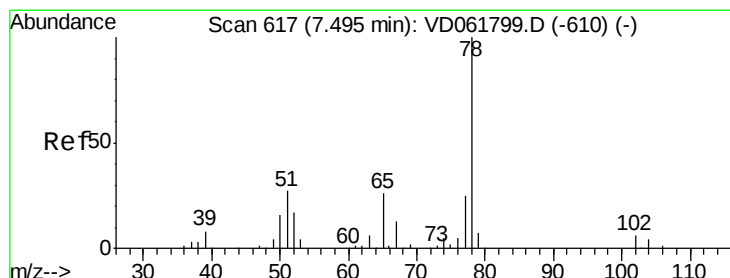
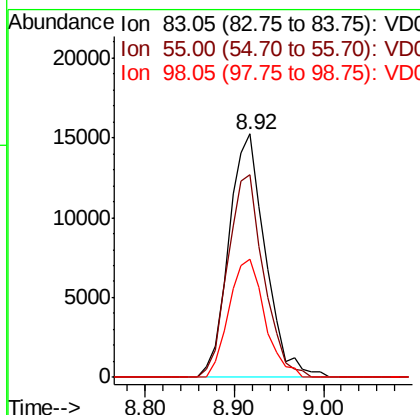
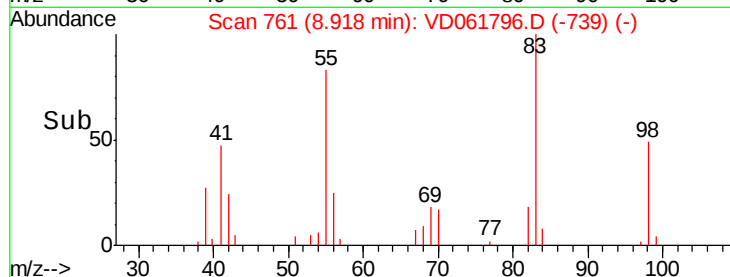
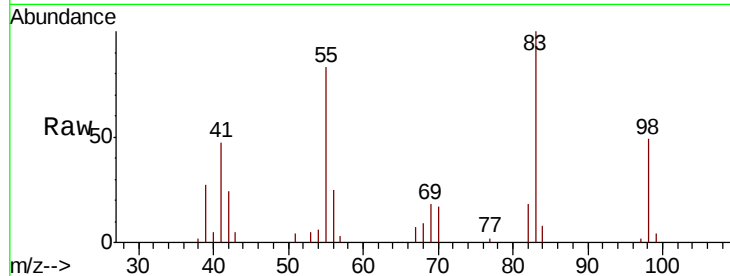




#39
Methvlcvclohexane
Concen: 5.130 ug/l
RT: 8.92 min Scan# 761
Delta R.T. 0.01 min
Lab File: VD061796.D
Acq: 15 Apr 2019 12:46

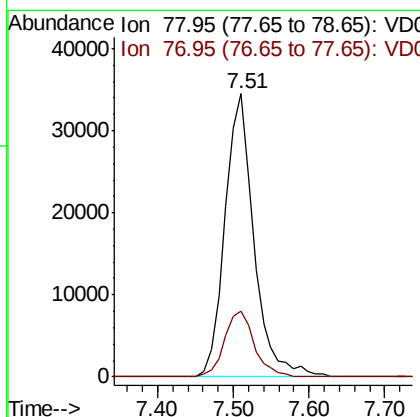
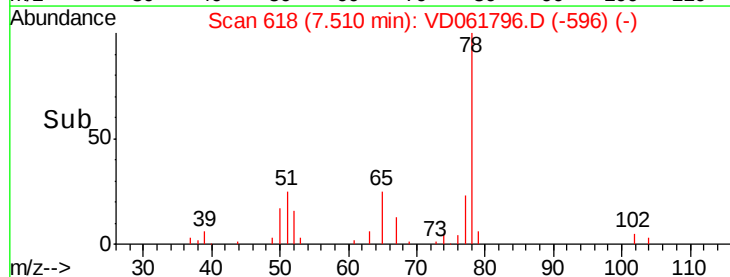
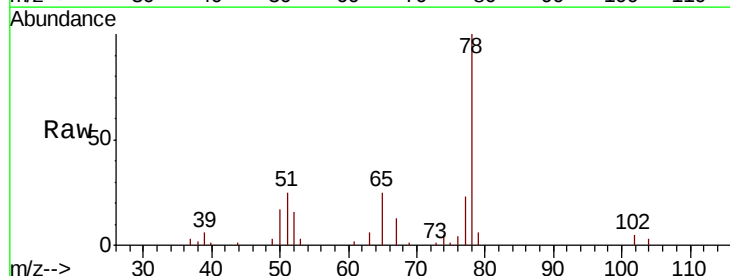
Instrument :
MSVOA_D
ClientSampleId :

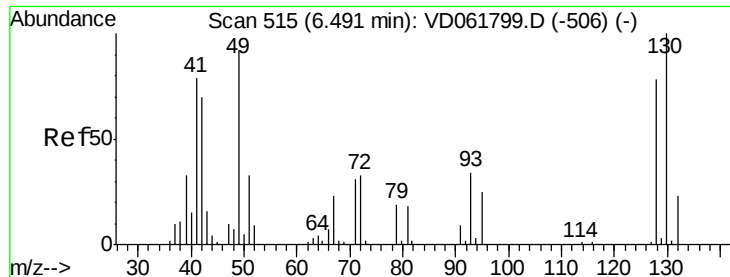
Tot Ion: 83 Resp: 43605
Ion Ratio Lower Upper
83 100
55 83.0 68.2 102.4
98 48.6 38.2 57.4



#40
Benzene
Concen: 4.635 ug/l
RT: 7.51 min Scan# 618
Delta R.T. 0.01 min
Lab File: VD061796.D
Acq: 15 Apr 2019 12:46

Tgt Ion: 78 Resp: 91097
Ion Ratio Lower Upper
78 100
77 23.2 19.7 29.5

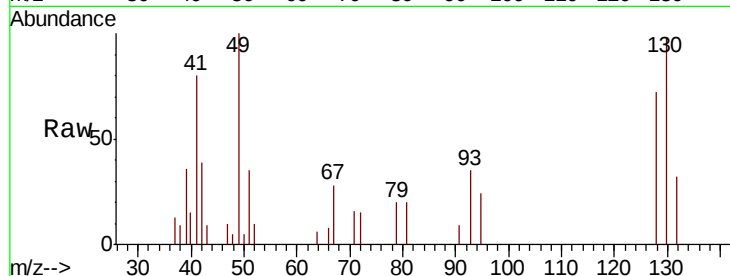




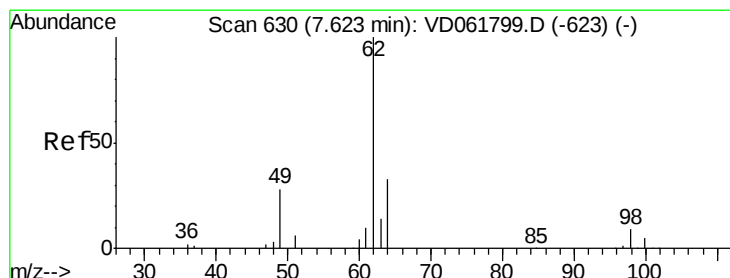
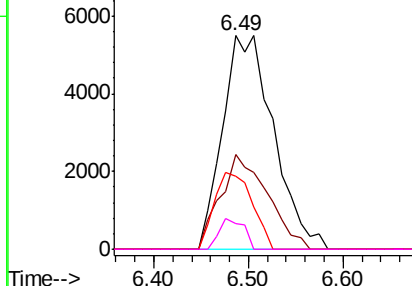
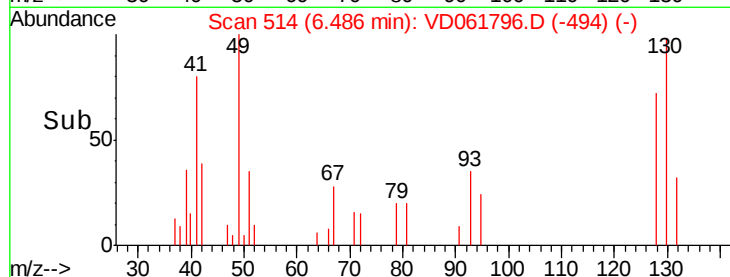
#41
Methacrylonitrile
Concen: 4.938 ug/l
RT: 6.49 min Scan# 514
Delta R.T. -0.01 min
Lab File: VD061796.D
Acq: 15 Apr 2019 12:46

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 41 Resp: 20449
Ion Ratio Lower Upper
41 100
39 44.3 34.1 51.1
67 34.5 23.8 35.6
52 12.0 8.8 13.2

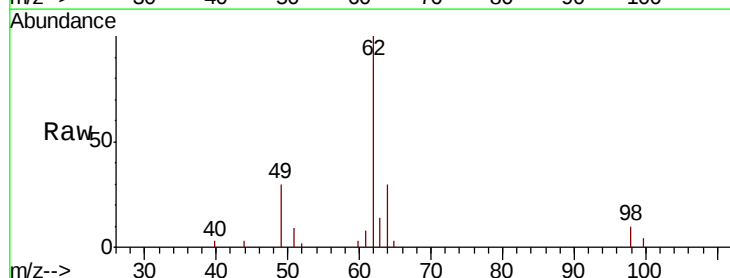


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

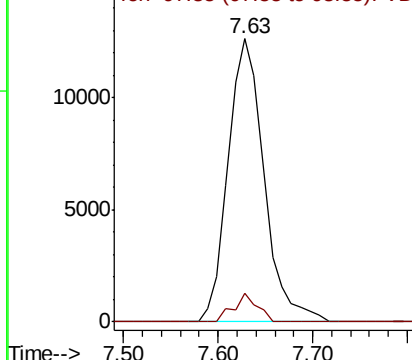
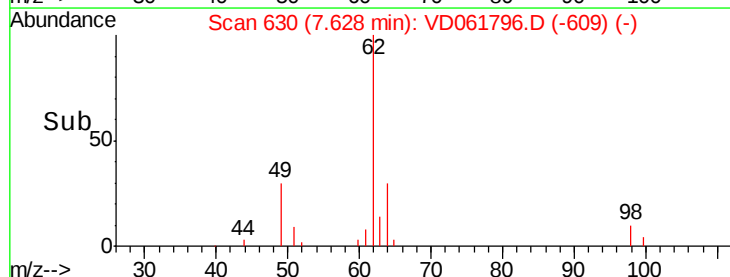


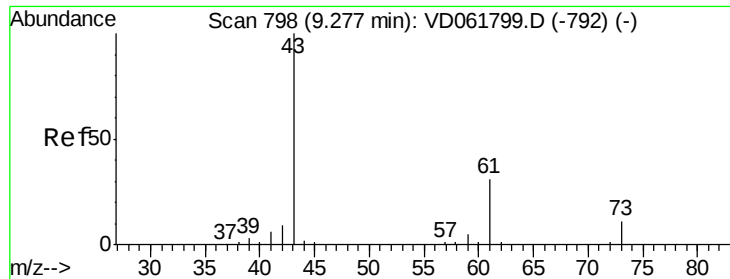
#42
1,2-Dichloroethane
Concen: 4.862 ug/l
RT: 7.63 min Scan# 630
Delta R.T. 0.00 min
Lab File: VD061796.D
Acq: 15 Apr 2019 12:46

Tgt Ion: 62 Resp: 33276
Ion Ratio Lower Upper
62 100
98 10.1 0.0 17.8



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 4.473 ug/l

RT: 9.28 min Scan# 798

Delta R.T. 0.00 min

Lab File: VD061796.D

Acq: 15 Apr 2019 12:46

Instrument :

MSVOA_D

ClientSampleId :

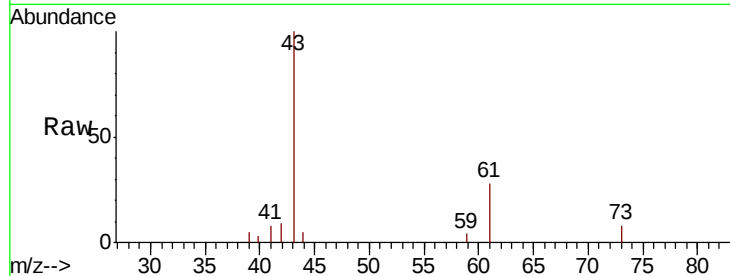
Tot Ion: 43 Resp: 22053

Ion Ratio Lower Upper

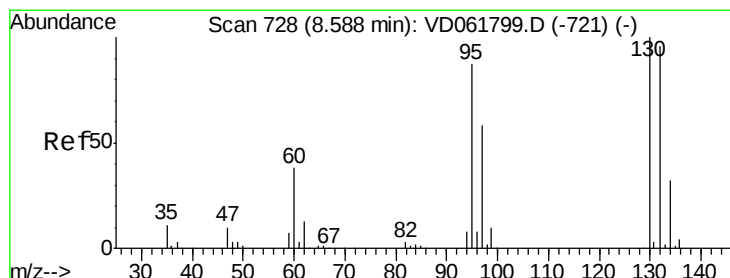
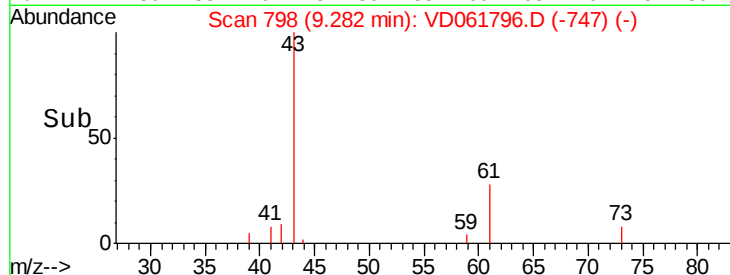
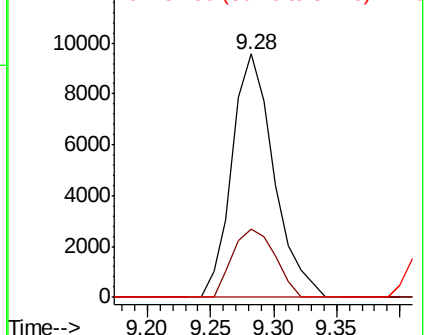
43 100

61 27.8 25.1 37.7

87 0.0 0.0 0.0



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: 4.756 ug/l

RT: 8.58 min Scan# 727

Delta R.T. -0.01 min

Lab File: VD061796.D

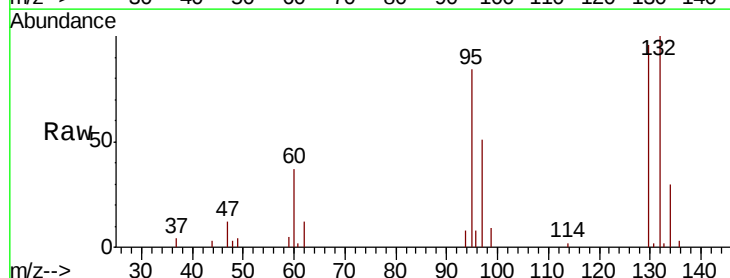
Acq: 15 Apr 2019 12:46

Tgt Ion: 130 Resp: 35983

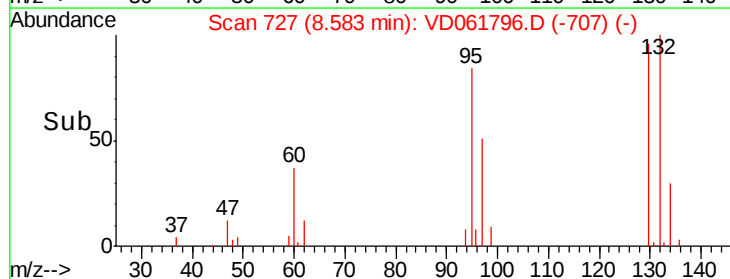
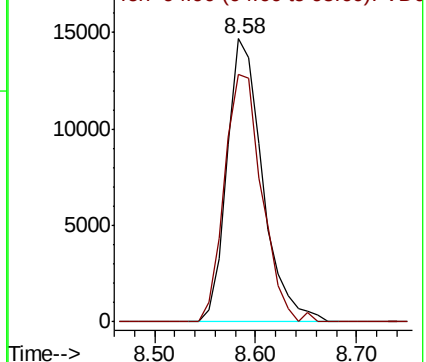
Ion Ratio Lower Upper

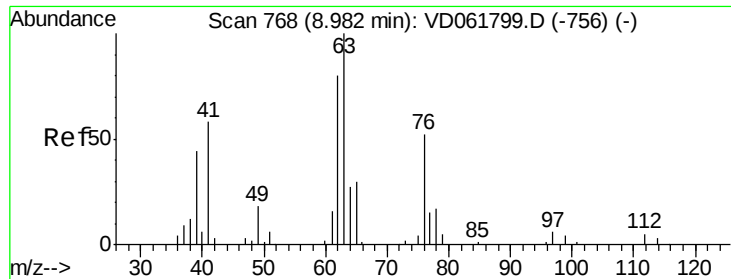
130 100

95 87.4 0.0 174.0



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





#45

1,2-Dichloropropane

Concen: 4.629 ug/l

RT: 8.99 min Scan# 768

Delta R.T. 0.00 min

Lab File: VD061796.D

Acq: 15 Apr 2019 12:46

Instrument :

MSVOA_D

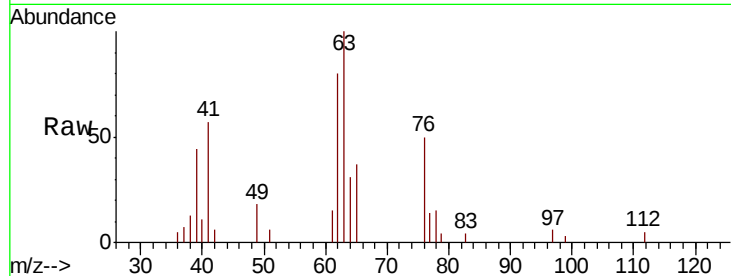
ClientSampleId :

Tot Ion: 63 Resp: 23693

Ion Ratio Lower Upper

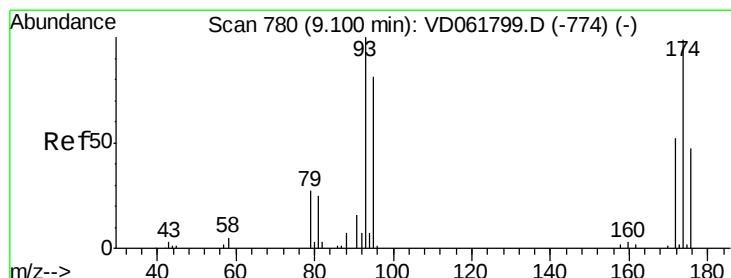
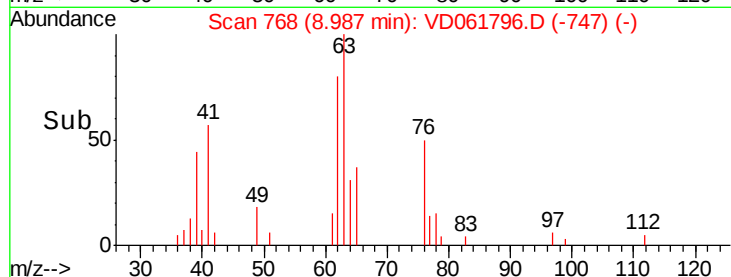
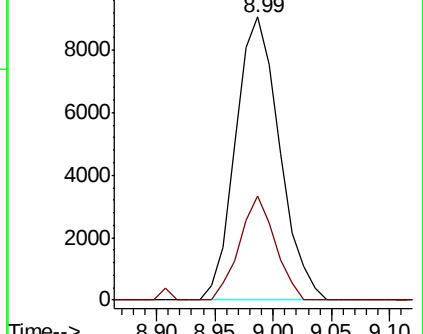
63 100

65 36.8 23.8 35.6#



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 4.753 ug/l

RT: 9.10 min Scan# 780

Delta R.T. 0.00 min

Lab File: VD061796.D

Acq: 15 Apr 2019 12:46

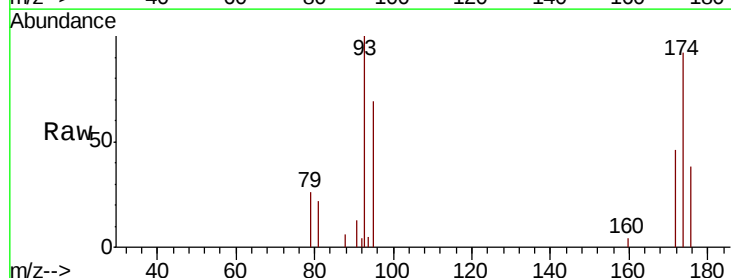
Tgt Ion: 93 Resp: 17336

Ion Ratio Lower Upper

93 100

95 68.9 64.8 97.2

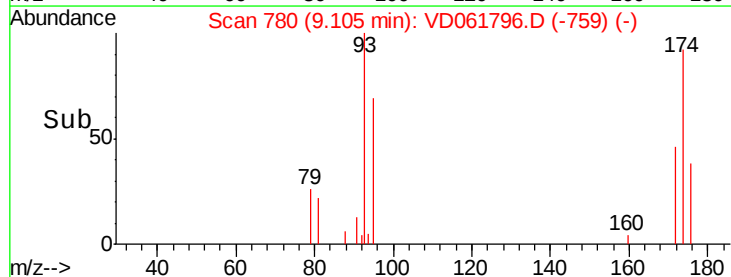
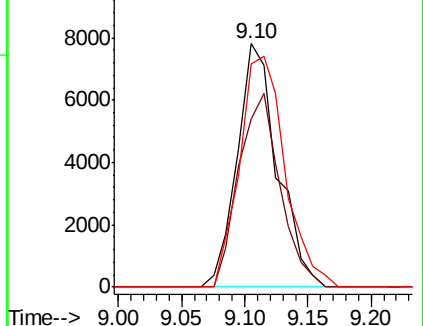
174 91.9 79.3 118.9

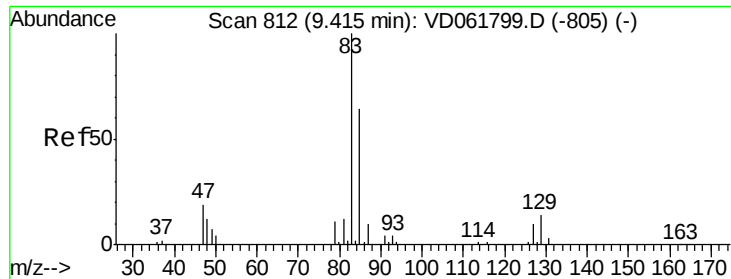


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 4.587 ug/l

RT: 9.42 min Scan# 812

Delta R.T. 0.00 min

Lab File: VD061796.D

Acq: 15 Apr 2019 12:46

Instrument :

MSVOA_D

ClientSampled :

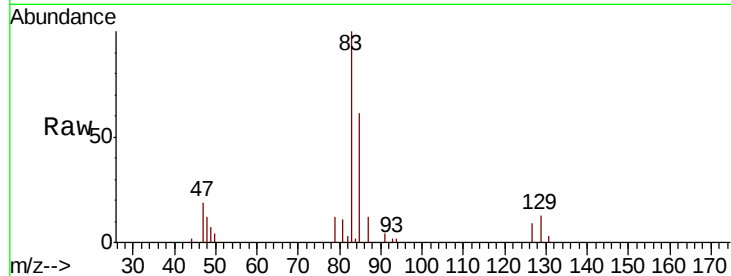
Tot Ion: 83 Resp: 38596

Ion Ratio Lower Upper

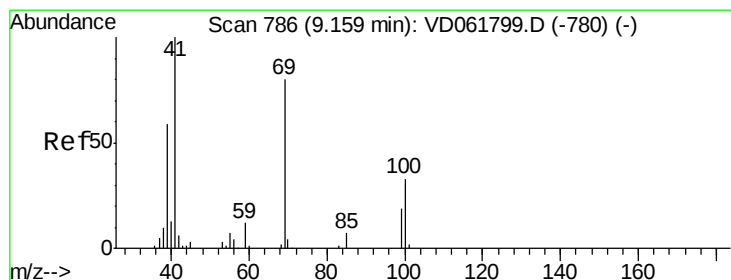
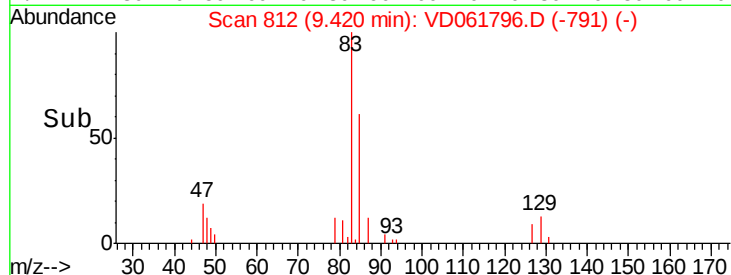
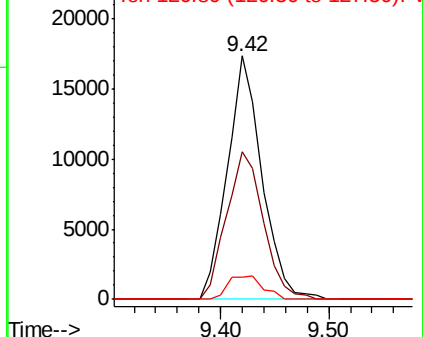
83 100

85 60.5 50.9 76.3

127 9.0 8.1 12.1



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: 4.564 ug/l

RT: 9.16 min Scan# 786

Delta R.T. 0.00 min

Lab File: VD061796.D

Acq: 15 Apr 2019 12:46

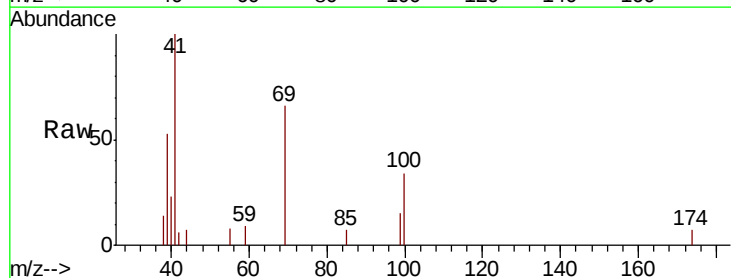
Tgt Ion: 41 Resp: 13226

Ion Ratio Lower Upper

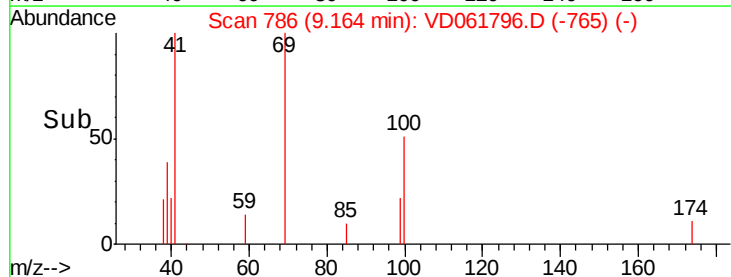
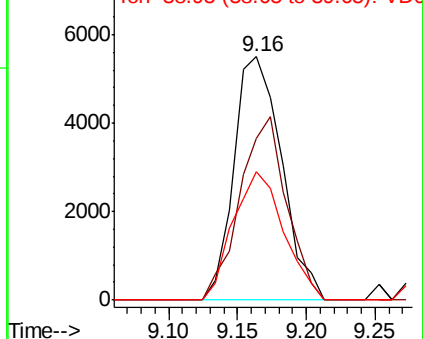
41 100

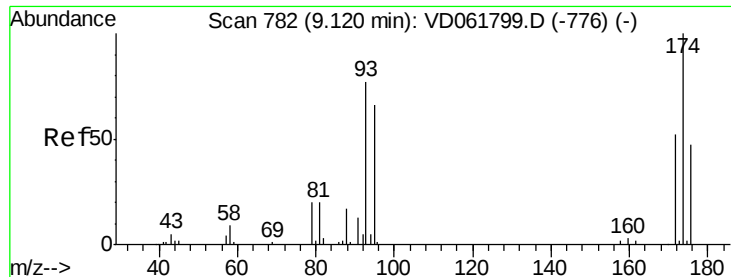
69 66.4 64.2 96.2

39 52.6 46.8 70.2



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

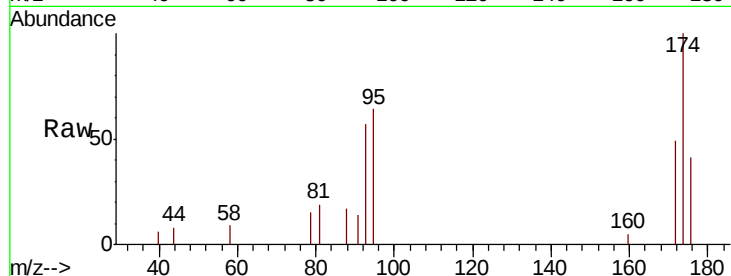




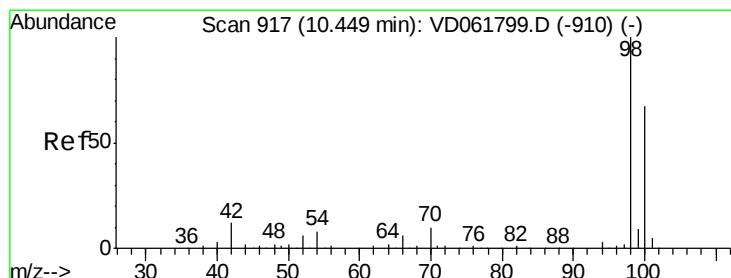
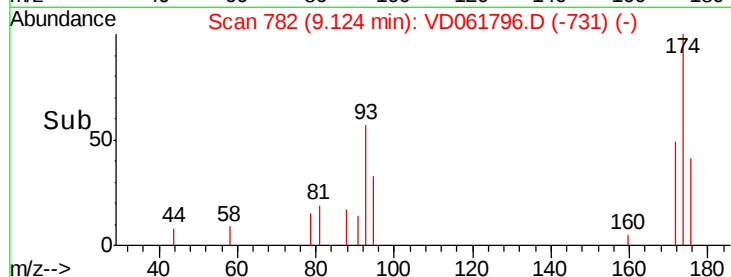
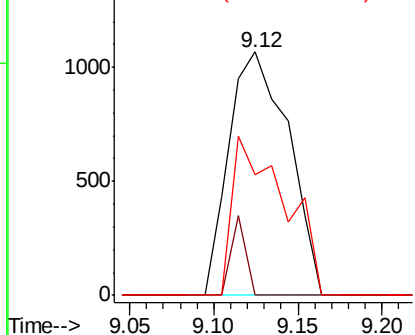
#49
 1,4-Dioxane
 Concen: 82.526 ug/l
 RT: 9.12 min Scan# 782
 Delta R.T. 0.00 min
 Lab File: VD061796.D
 Acq: 15 Apr 2019 12:46

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 88 Resp: 2614
 Ion Ratio Lower Upper
 88 100
 43 0.0 23.4 35.0#
 58 49.8 44.0 66.0

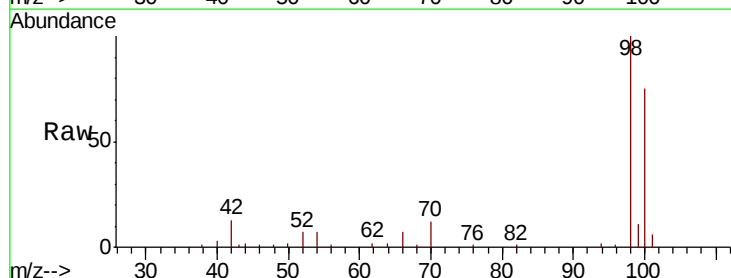


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

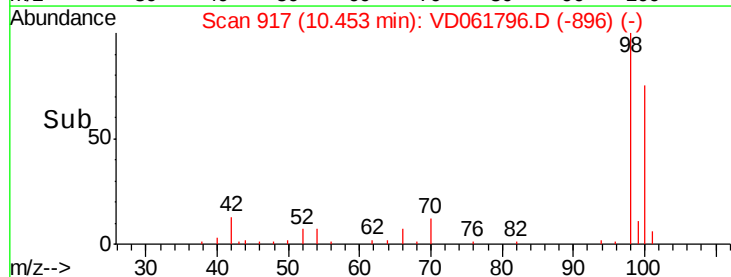
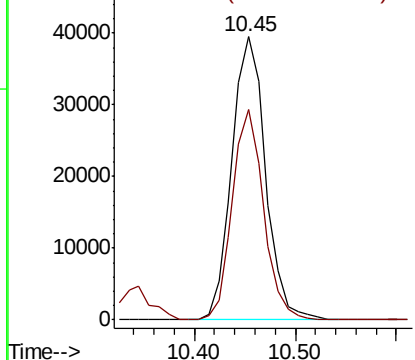


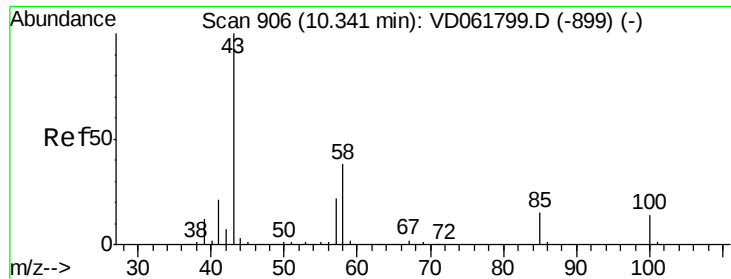
#50
 Toluene-d8
 Concen: 82.526 ug/l
 RT: 10.45 min Scan# 917
 Delta R.T. 0.00 min
 Lab File: VD061796.D
 Acq: 15 Apr 2019 12:46

Tgt Ion: 98 Resp: 91612
 Ion Ratio Lower Upper
 98 100
 100 74.5 53.8 80.8



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: 23.602 ug/l

RT: 10.34 min Scan# 905

Delta R.T. -0.01 min

Lab File: VD061796.D

Acq: 15 Apr 2019 12:46

Instrument :

MSVOA_D

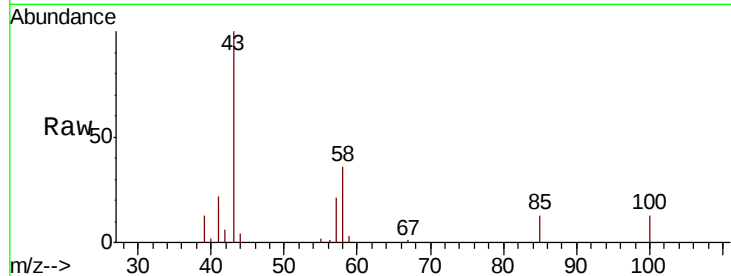
ClientSampleId :

Tot Ion: 43 Resp: 71157

Ion Ratio Lower Upper

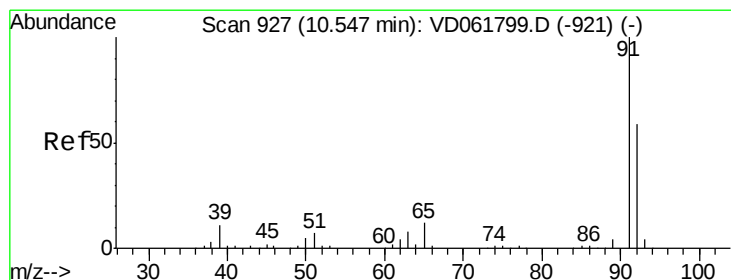
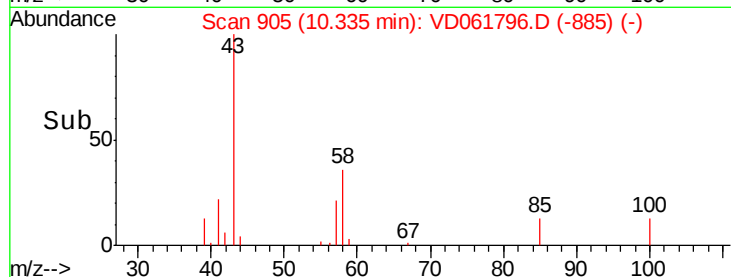
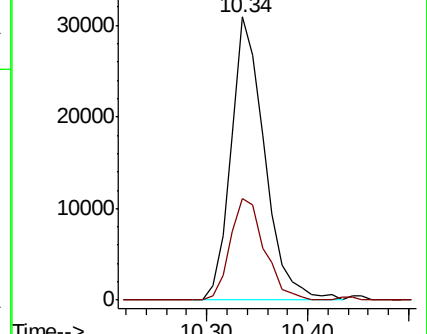
43 100

58 36.1 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 4.498 ug/l

RT: 10.55 min Scan# 927

Delta R.T. 0.00 min

Lab File: VD061796.D

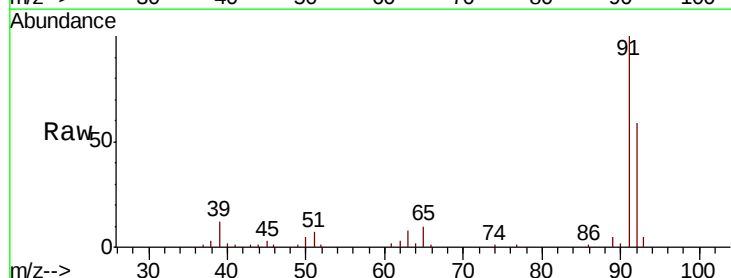
Acq: 15 Apr 2019 12:46

Tgt Ion: 92 Resp: 56649

Ion Ratio Lower Upper

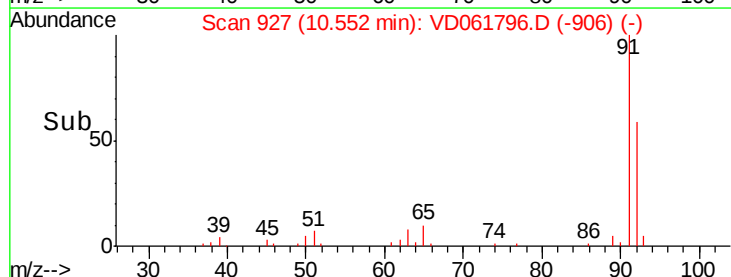
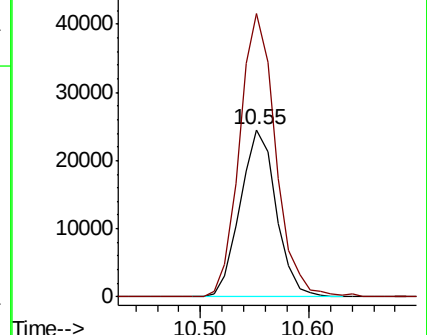
92 100

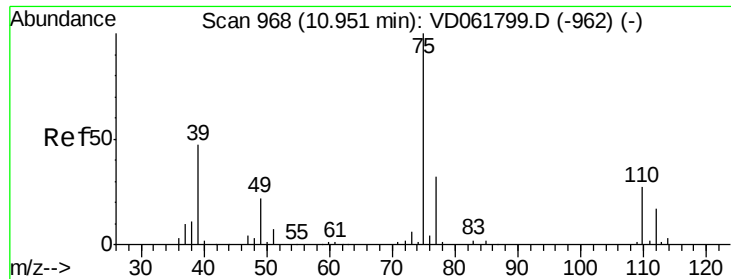
91 169.0 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 4.532 ug/l

RT: 10.96 min Scan# 968

Delta R.T. 0.00 min

Lab File: VD061796.D

Acq: 15 Apr 2019 12:46

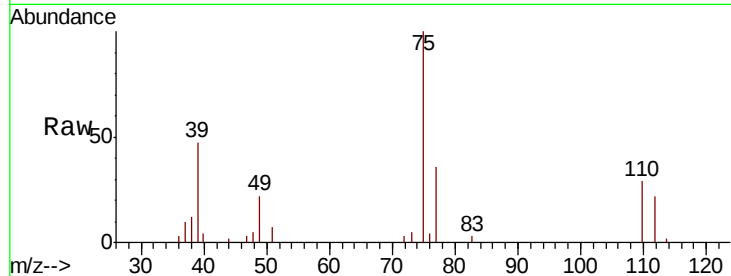
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 75 Resp: 34364

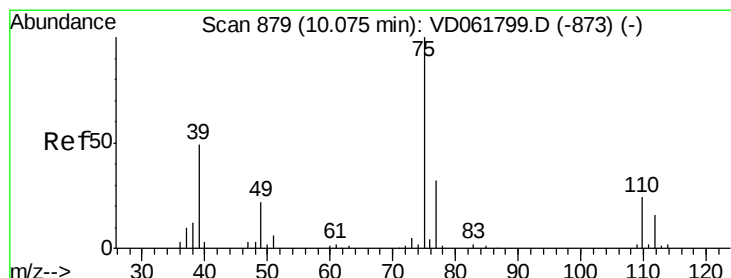
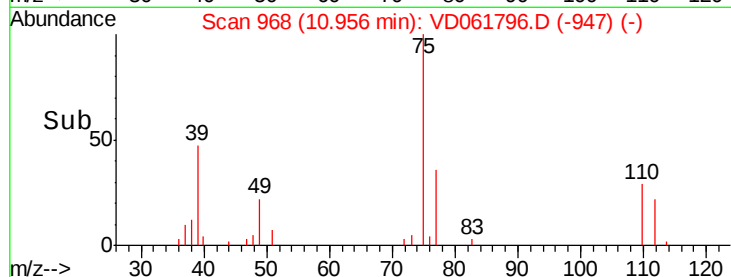
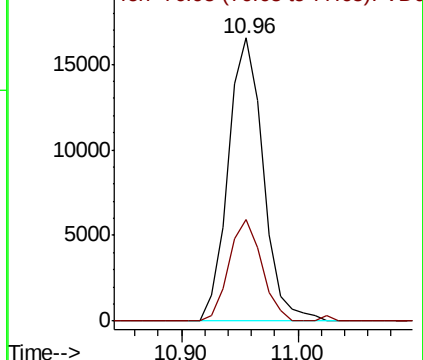
Ion Ratio Lower Upper

75 100

77 35.8 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 4.834 ug/l

RT: 10.08 min Scan# 879

Delta R.T. 0.00 min

Lab File: VD061796.D

Acq: 15 Apr 2019 12:46

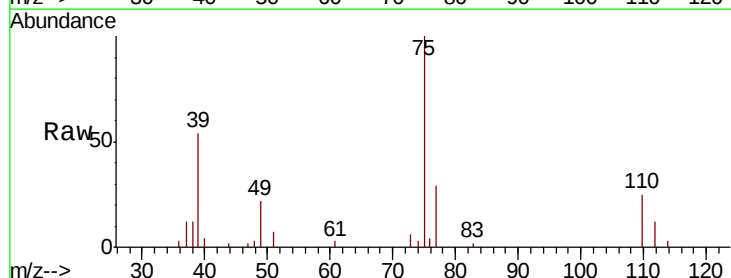
Tgt Ion: 75 Resp: 43024

Ion Ratio Lower Upper

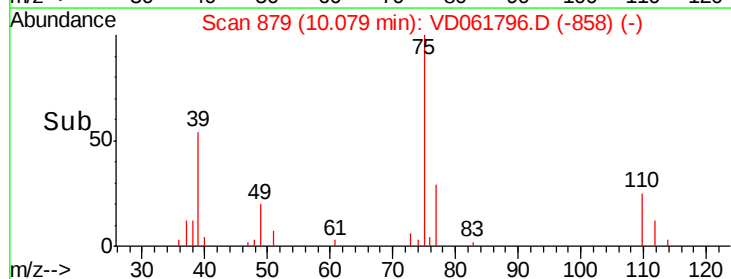
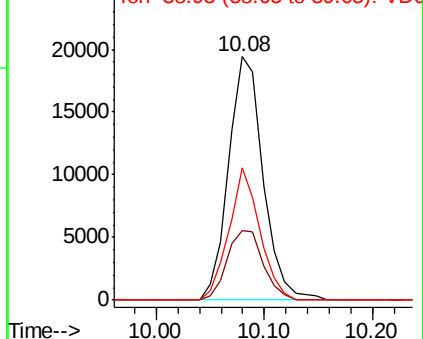
75 100

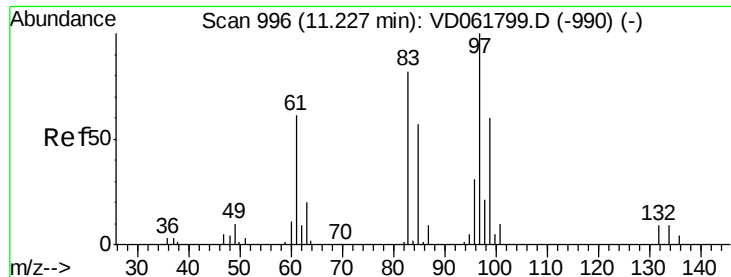
77 28.7 25.5 38.3

39 54.4 39.4 59.2



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC
Ion 38.95 (38.65 to 39.65): VDC

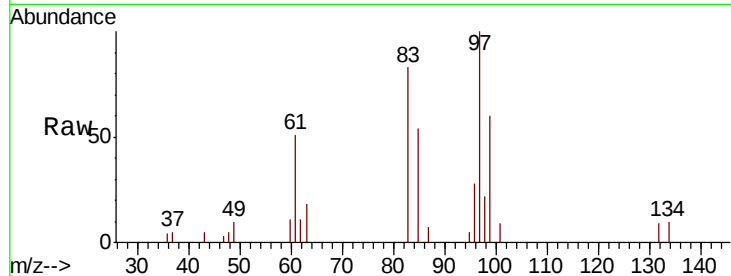




#55
 1,1,2-Trichloroethane
 Concen: 4.851 ug/l
 RT: 11.23 min Scan# 996
 Delta R.T. 0.00 min
 Lab File: VD061796.D
 Acq: 15 Apr 2019 12:46

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	20587
Ion	Ratio	Lower	Upper
97	100		
83	82.9	65.7	98.5
85	54.5	45.6	68.4
99	59.8	48.4	72.6



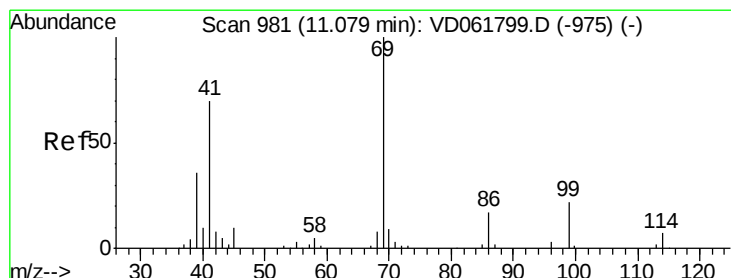
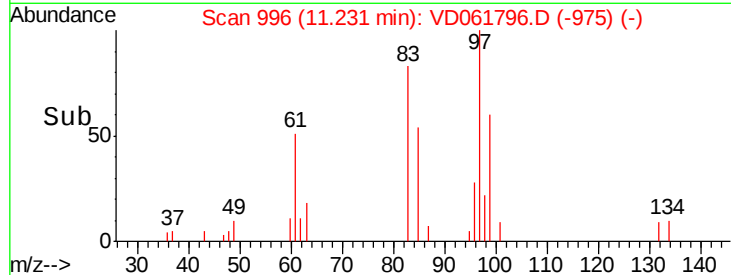
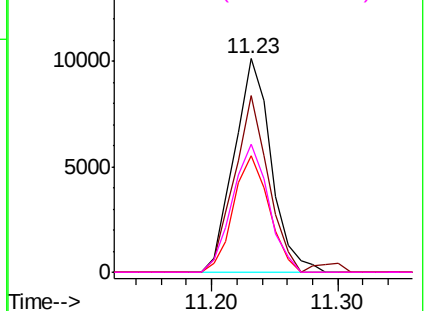
Abundance

Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

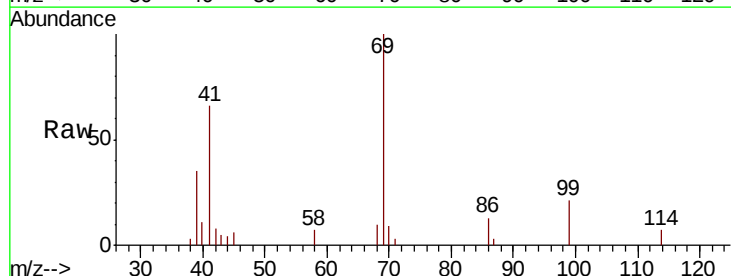
Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56
 Ethyl methacrylate
 Concen: 4.706 ug/l
 RT: 11.08 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VD061796.D
 Acq: 15 Apr 2019 12:46

Tgt Ion:	69	Resp:	21920
Ion	Ratio	Lower	Upper
69	100		
41	65.6	56.3	84.5
39	35.3	29.4	44.2

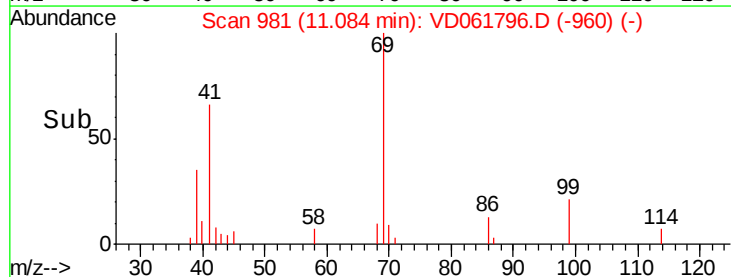
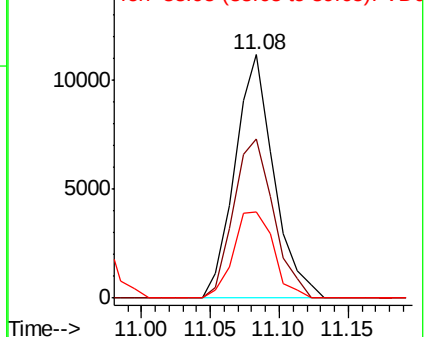


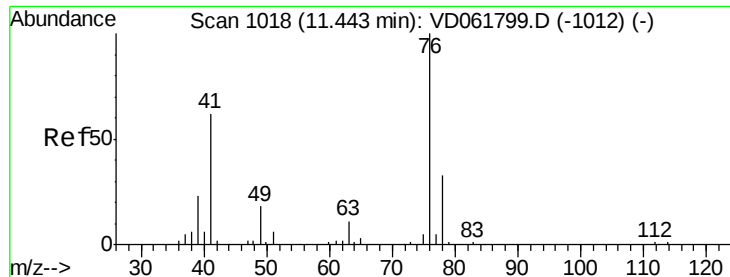
Abundance

Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 4.614 ug/l

RT: 11.45 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD061796.D

Acq: 15 Apr 2019 12:46

Instrument :

MSVOA_D

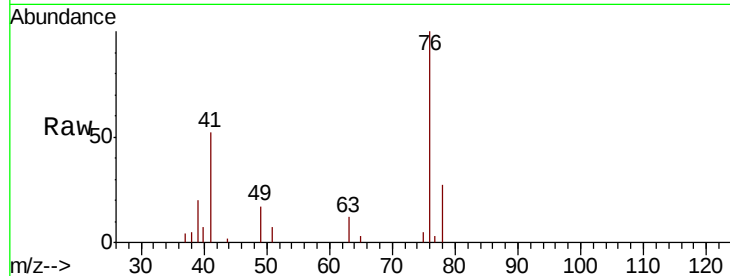
ClientSampleId :

Tot Ion: 76 Resp: 29436

Ion Ratio Lower Upper

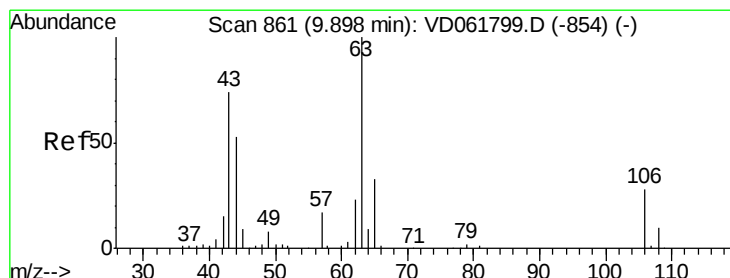
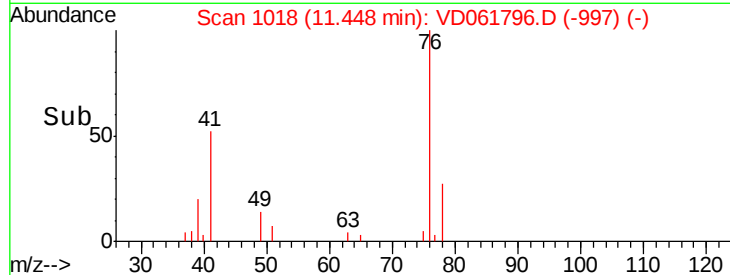
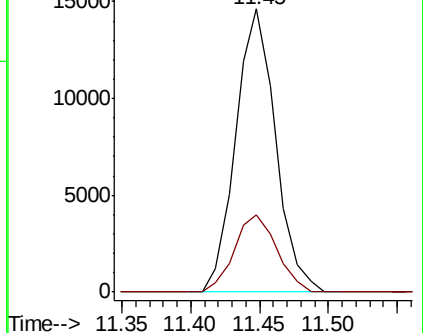
76 100

78 27.5 26.2 39.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 27.146 ug/l

RT: 9.90 min Scan# 861

Delta R.T. 0.00 min

Lab File: VD061796.D

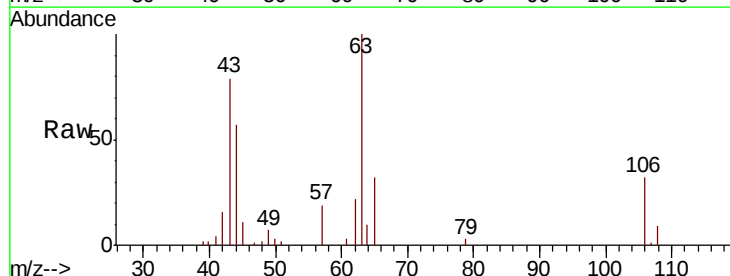
Acq: 15 Apr 2019 12:46

Tgt Ion: 63 Resp: 60135

Ion Ratio Lower Upper

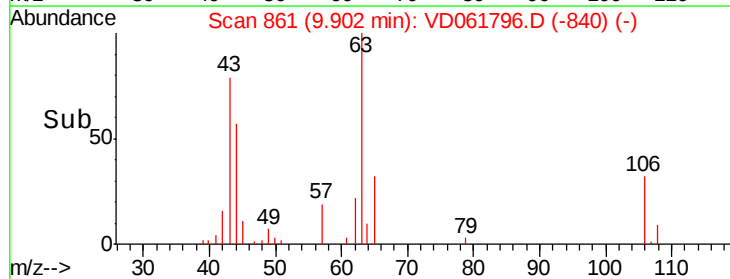
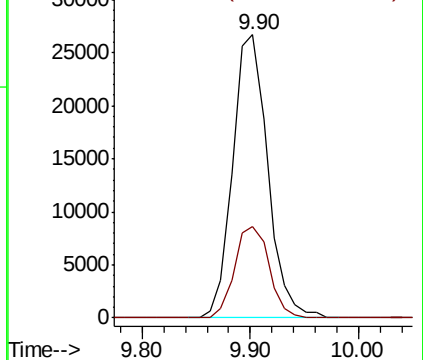
63 100

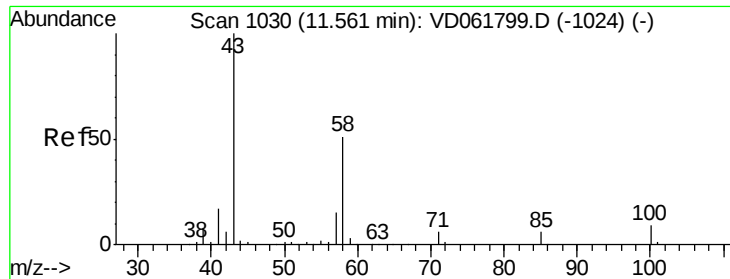
106 32.3 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

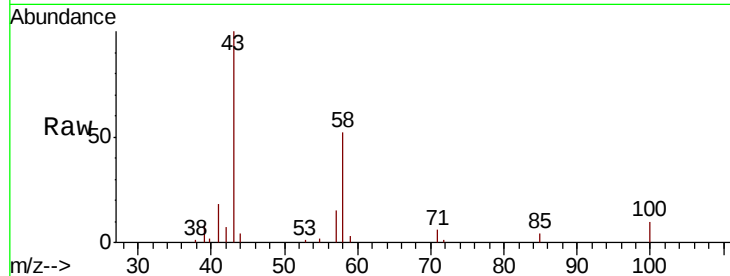




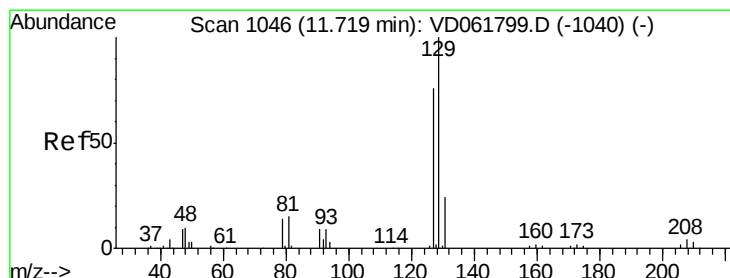
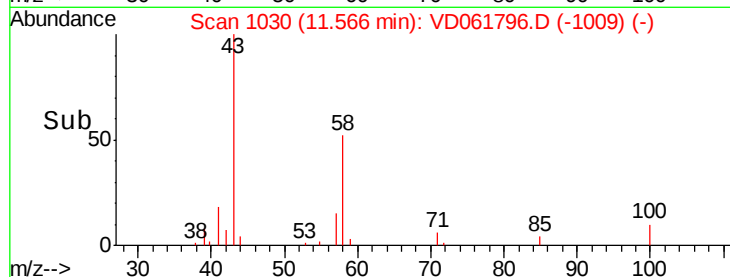
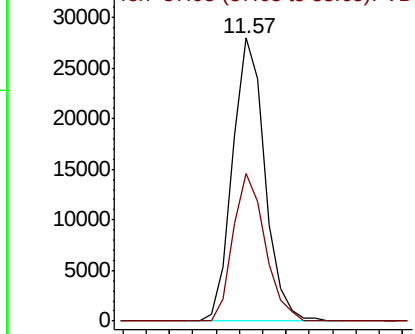
#59
2-Hexanone
Concen: 23.937 ug/l
RT: 11.57 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VD061796.D
Acq: 15 Apr 2019 12:46

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 53600
Ion Ratio Lower Upper
43 100
58 52.1 25.4 76.4

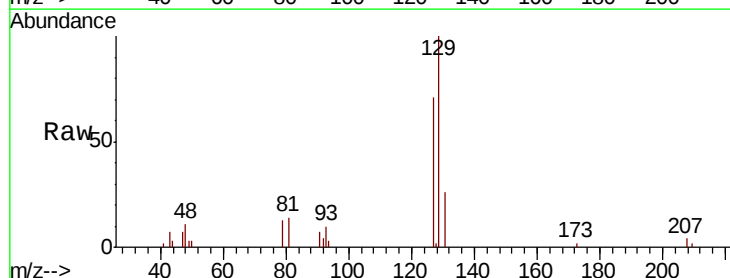


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

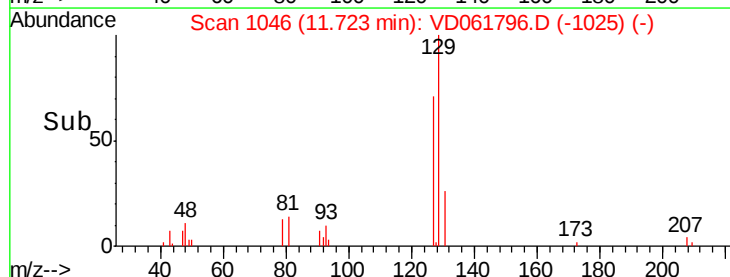
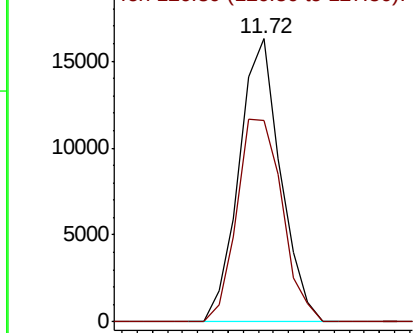


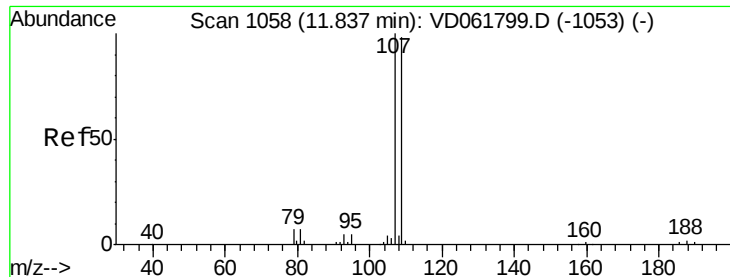
#60
Dibromochloromethane
Concen: 4.468 ug/l
RT: 11.72 min Scan# 1046
Delta R.T. 0.00 min
Lab File: VD061796.D
Acq: 15 Apr 2019 12:46

Tgt Ion: 129 Resp: 31025
Ion Ratio Lower Upper
129 100
127 71.1 38.0 113.9



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 4.856 ug/l

RT: 11.84 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VD061796.D

Acq: 15 Apr 2019 12:46

Instrument :

MSVOA_D

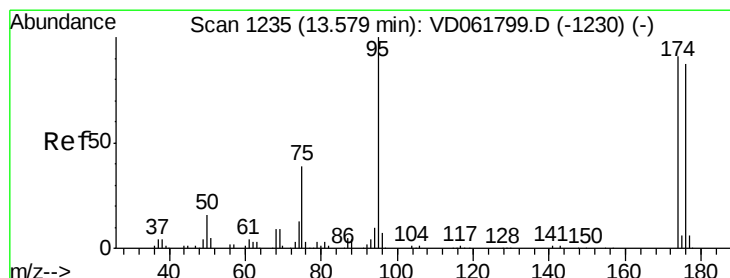
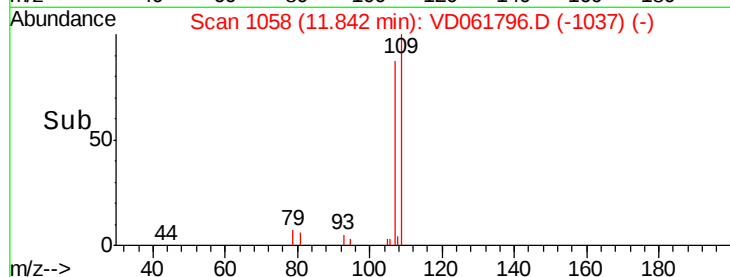
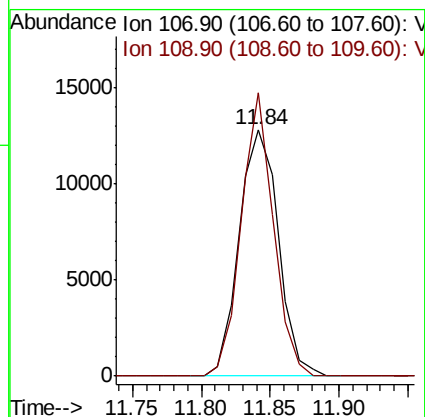
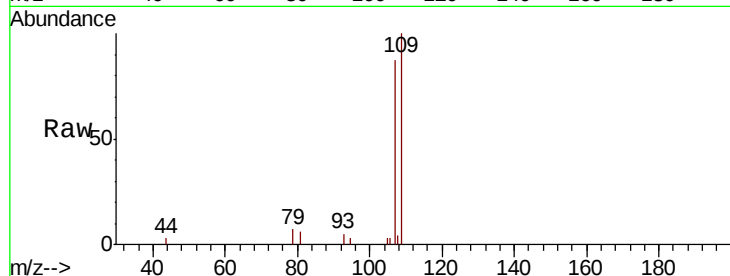
ClientSampleId :

Tot Ion:107 Resp: 25340

Ion Ratio Lower Upper

107 100

109 114.9 78.3 117.5



#62

4-Bromofluorobenzene

Concen: 4.856 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. -0.01 min

Lab File: VD061796.D

Acq: 15 Apr 2019 12:46

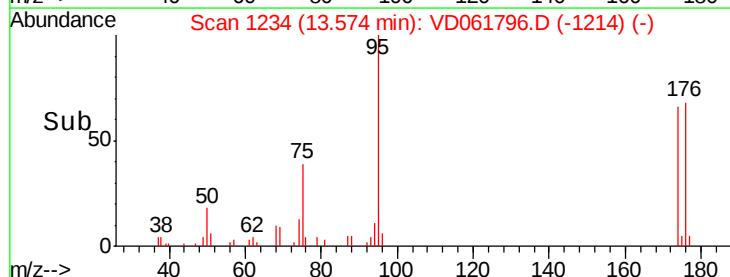
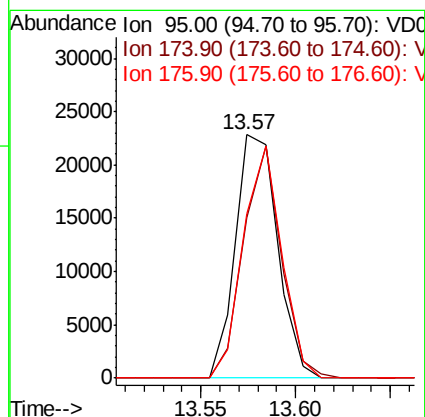
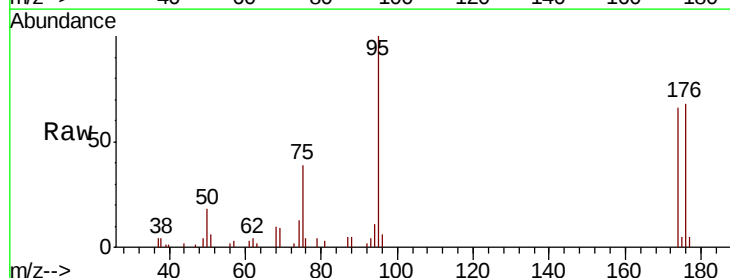
Tgt Ion: 95 Resp: 35234

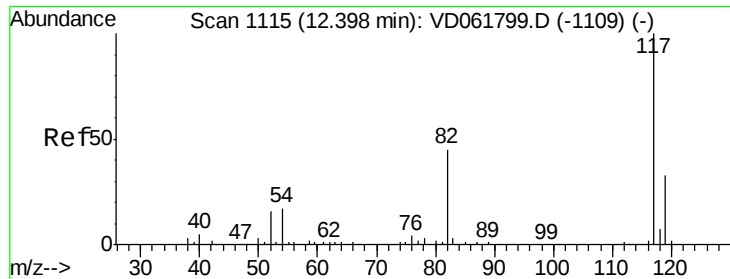
Ion Ratio Lower Upper

95 100

174 65.9 0.0 181.8

176 67.7 0.0 174.4

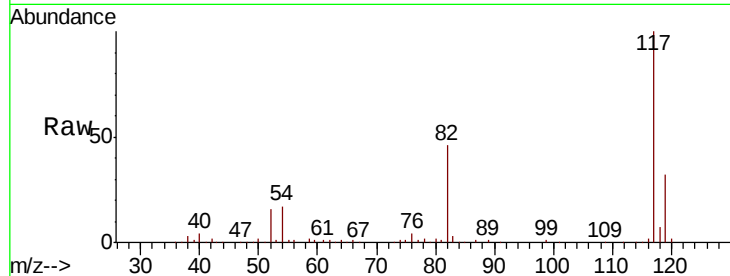




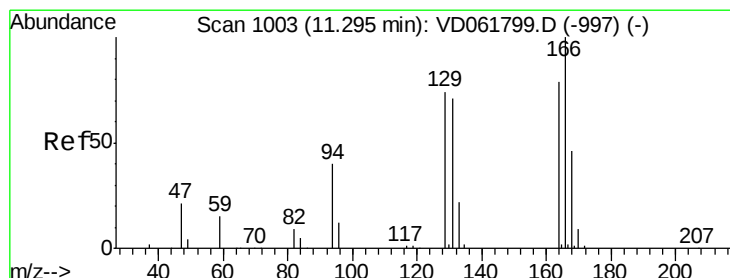
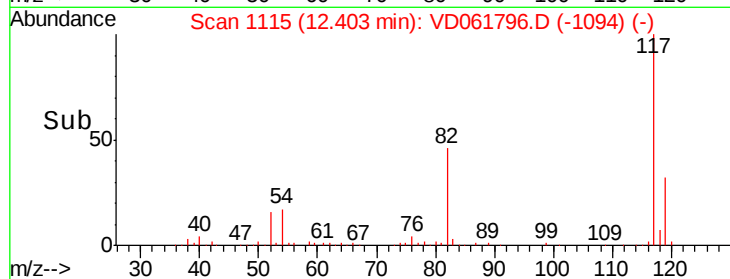
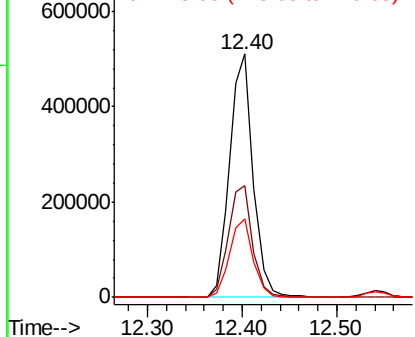
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.00 min
Lab File: VD061796.D
Acq: 15 Apr 2019 12:46

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 874780
Ion Ratio Lower Upper
117 100
82 45.7 36.2 54.2
119 32.3 26.2 39.4

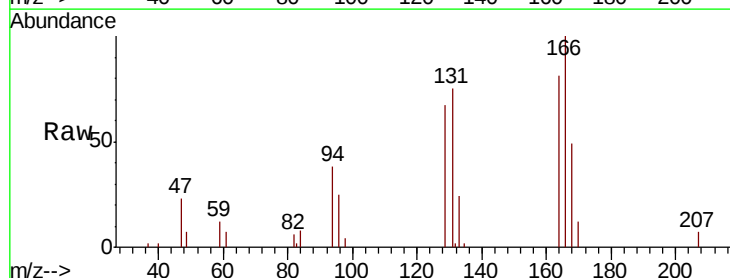


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

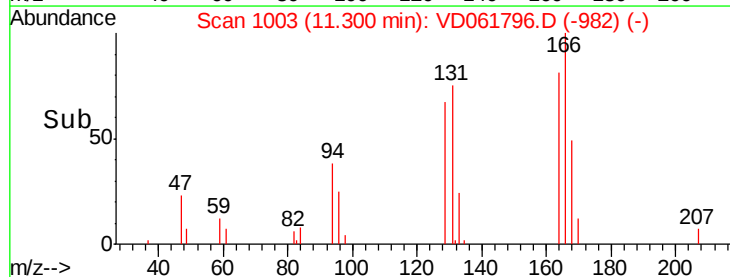
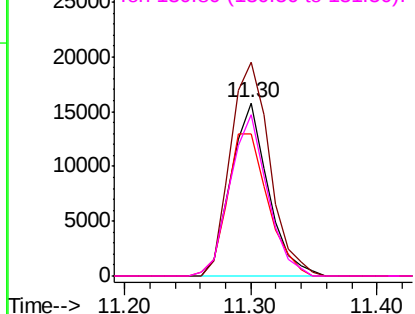


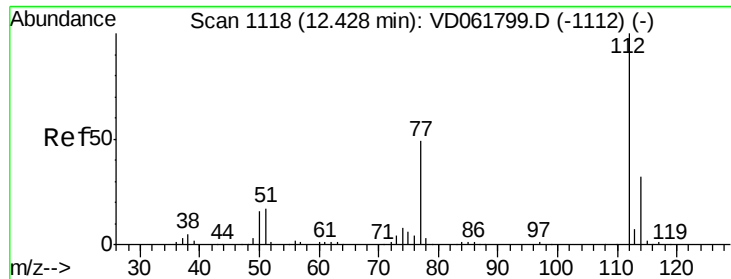
#64
Tetrachloroethene
Concen: 4.884 ug/l
RT: 11.30 min Scan# 1003
Delta R.T. 0.00 min
Lab File: VD061796.D
Acq: 15 Apr 2019 12:46

Tgt Ion:164 Resp: 32041
Ion Ratio Lower Upper
164 100
166 123.2 101.5 152.3
129 82.2 74.6 112.0
131 92.9 72.6 108.8



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

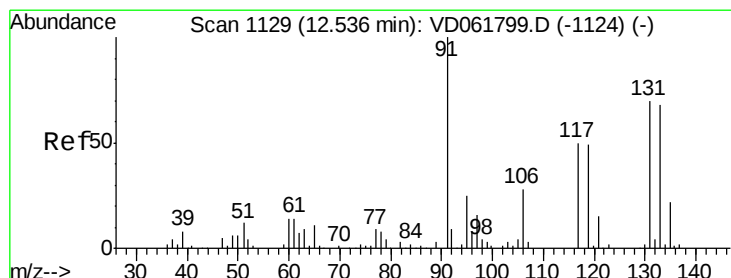
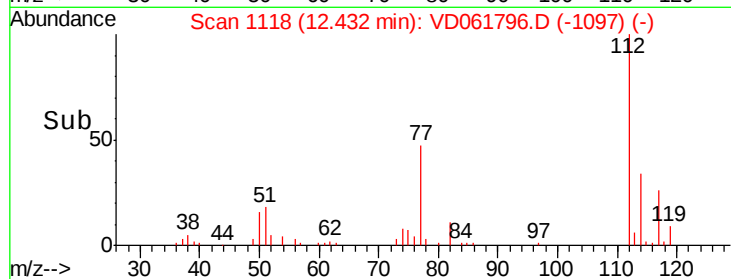
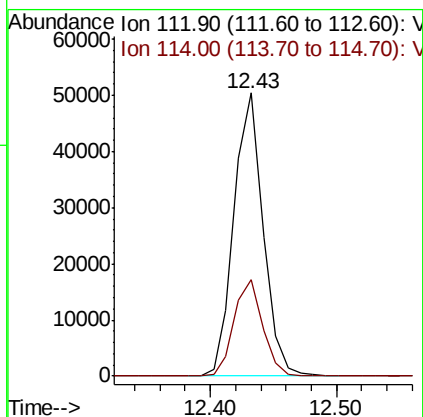
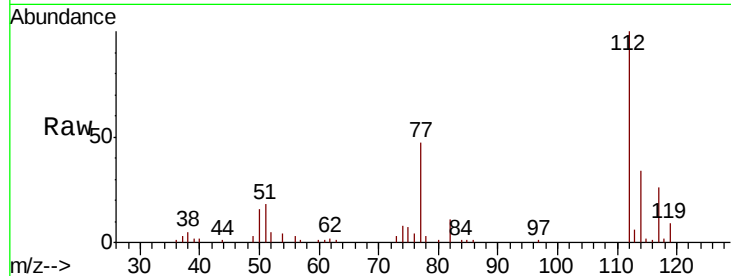




#65
Chlorobenzene
Concen: 4.948 ug/l
RT: 12.43 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VD061796.D
Acq: 15 Apr 2019 12:46

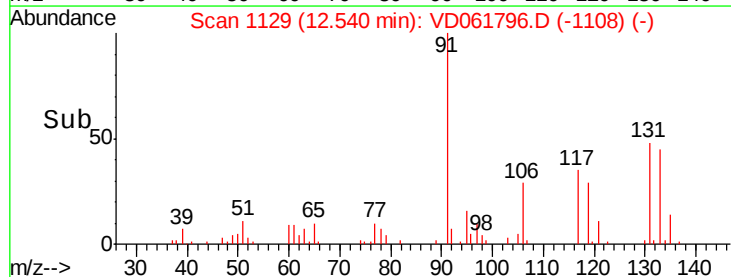
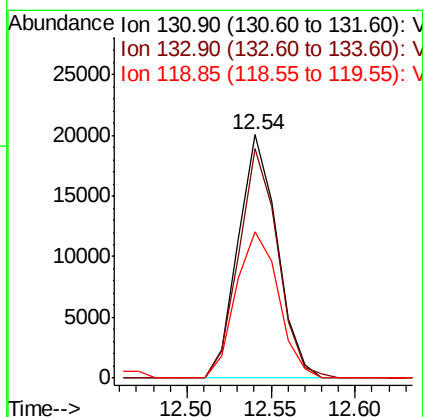
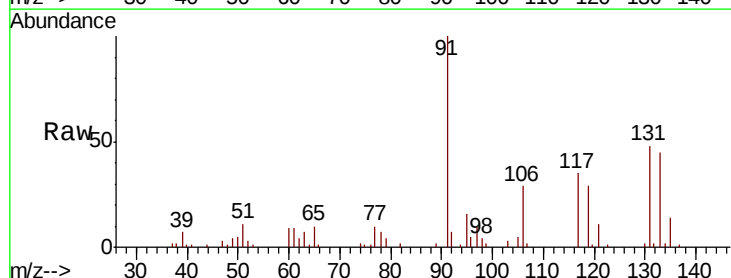
Instrument :
MSVOA_D
ClientSampled :

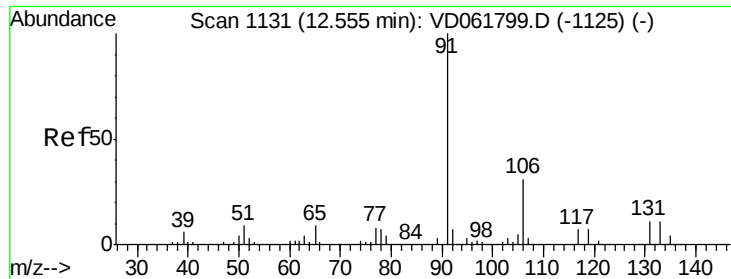
Tot Ion:112 Resp: 80612
Ion Ratio Lower Upper
112 100
114 34.0 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 4.705 ug/l
RT: 12.54 min Scan# 1129
Delta R.T. 0.00 min
Lab File: VD061796.D
Acq: 15 Apr 2019 12:46

Tgt Ion:131 Resp: 32123
Ion Ratio Lower Upper
131 100
133 94.1 48.6 145.8
119 60.1 34.7 104.1

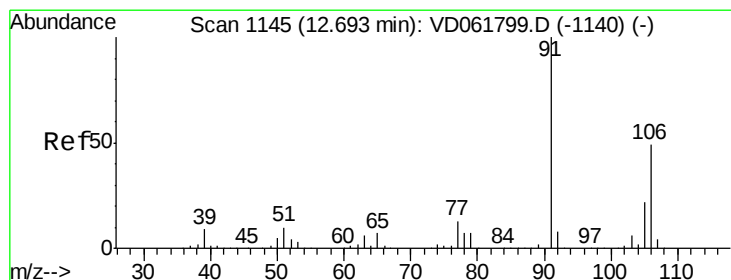
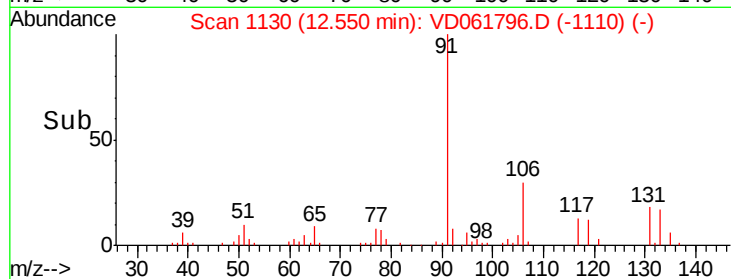
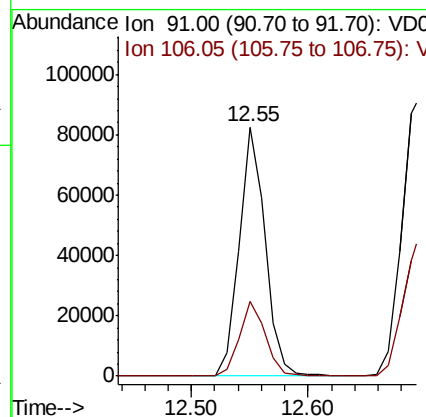
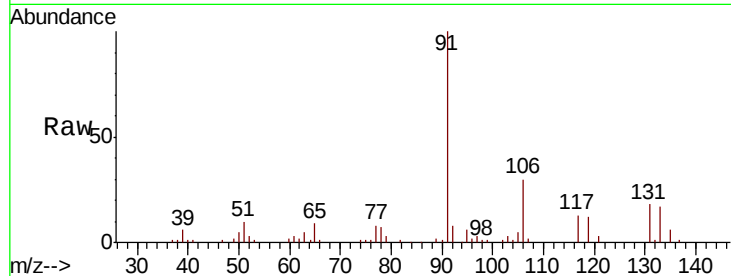




#67
Ethyl Benzene
Concen: 4.879 ug/l
RT: 12.55 min Scan# 1130
Delta R.T. -0.01 min
Lab File: VD061796.D
Acq: 15 Apr 2019 12:46

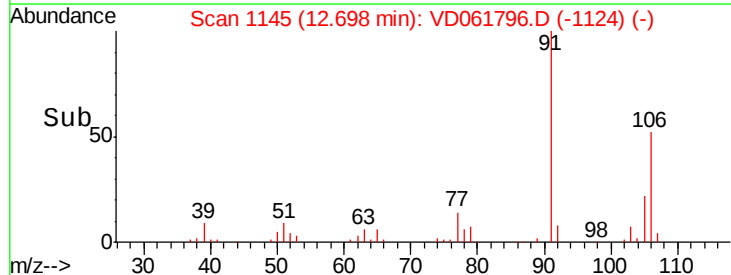
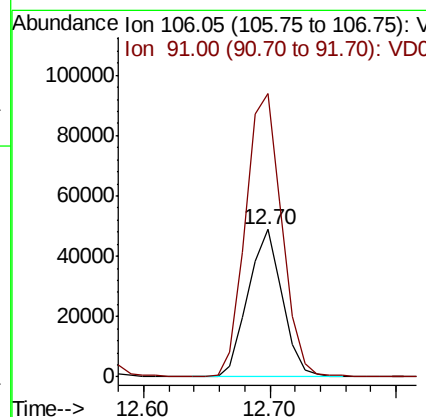
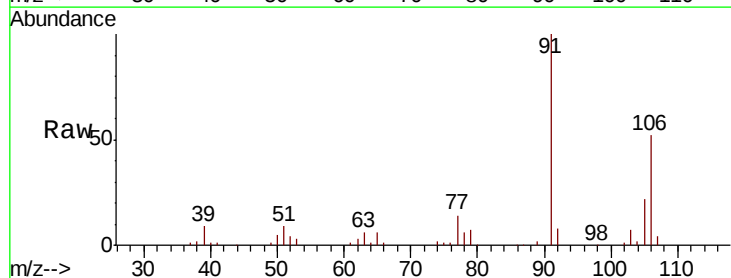
Instrument :
MSVOA_D
ClientSampled :

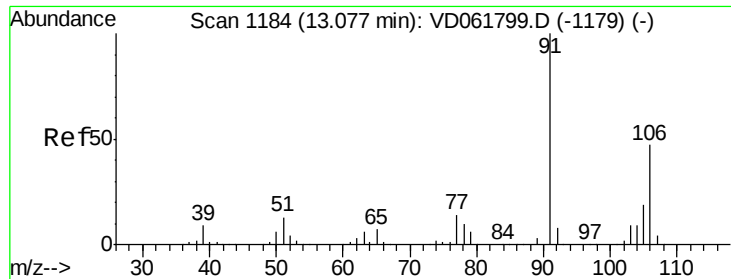
Tot Ion: 91 Resp: 127288
Ion Ratio Lower Upper
91 100
106 30.2 24.7 37.1



#68
m/p-Xylenes
Concen: 9.389 ug/l
RT: 12.70 min Scan# 1145
Delta R.T. 0.00 min
Lab File: VD061796.D
Acq: 15 Apr 2019 12:46

Tgt Ion:106 Resp: 92015
Ion Ratio Lower Upper
106 100
91 192.1 164.0 246.0

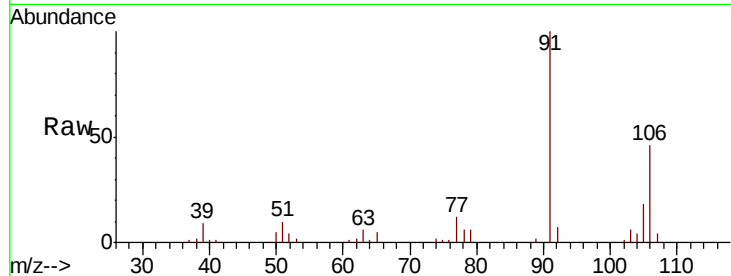




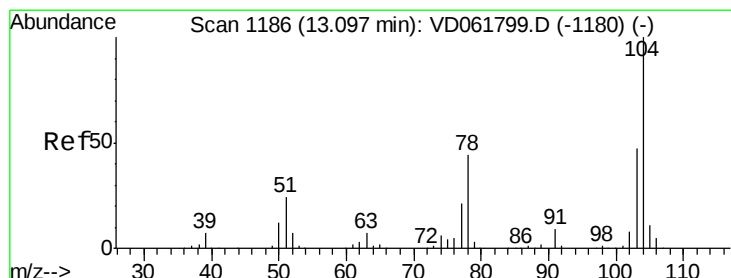
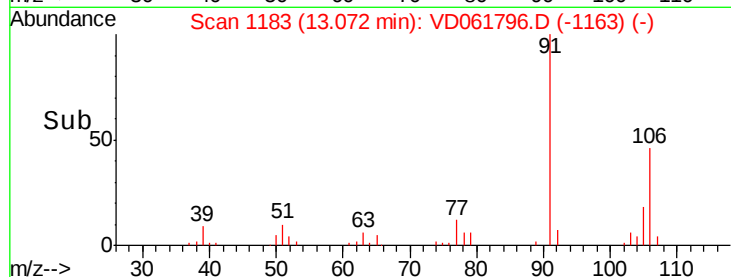
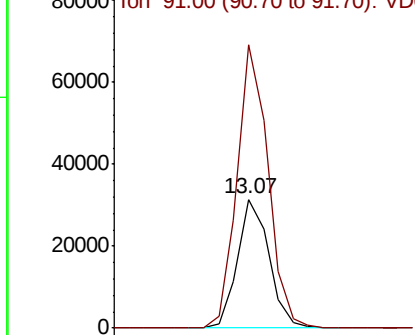
#69
o-Xylene
Concen: 4.909 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VD061796.D
Acq: 15 Apr 2019 12:46

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 45218
Ion Ratio Lower Upper
106 100
91 219.6 106.7 319.9

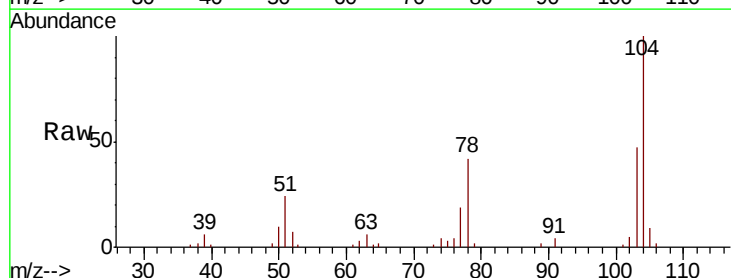


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

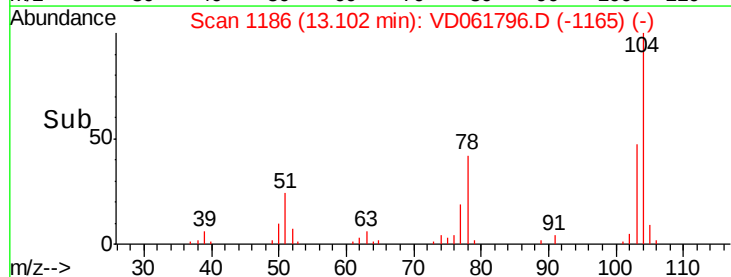
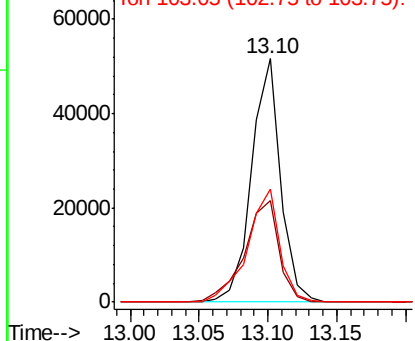


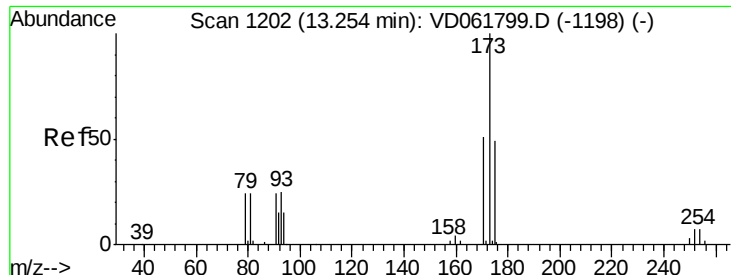
#70
Styrene
Concen: 4.799 ug/l
RT: 13.10 min Scan# 1186
Delta R.T. 0.00 min
Lab File: VD061796.D
Acq: 15 Apr 2019 12:46

Tgt Ion:104 Resp: 76069
Ion Ratio Lower Upper
104 100
78 41.9 35.4 53.2
103 46.6 37.5 56.3



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: 4.031 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VD061796.D

Acq: 15 Apr 2019 12:46

Instrument :

MSVOA_D

ClientSampleId :

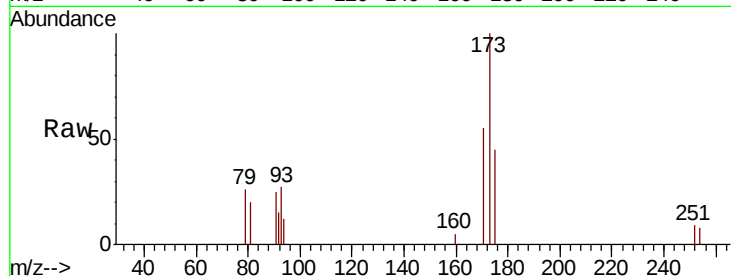
Tot Ion:173 Resp: 16337

Ion Ratio Lower Upper

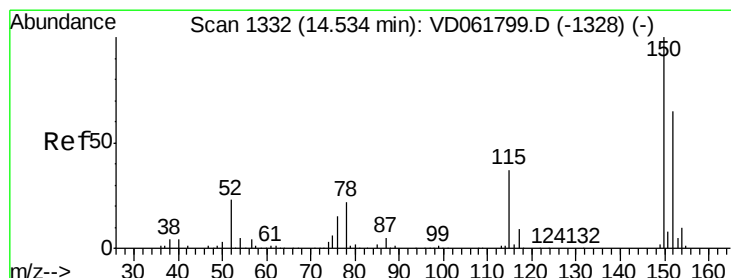
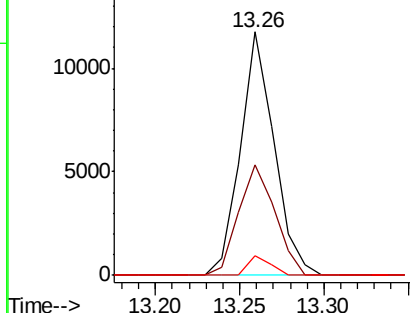
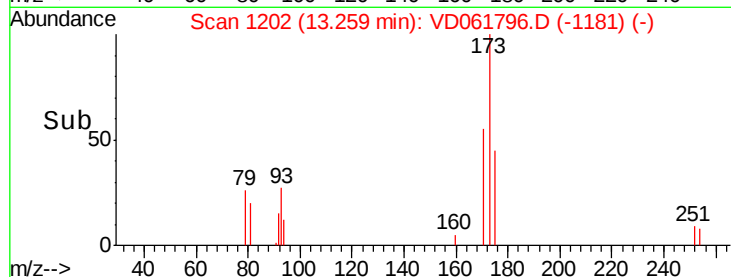
173 100

175 45.3 24.4 73.4

254 7.9 5.4 8.2



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: 14.54 min Scan# 1332

Delta R.T. 0.00 min

Lab File: VD061796.D

Acq: 15 Apr 2019 12:46

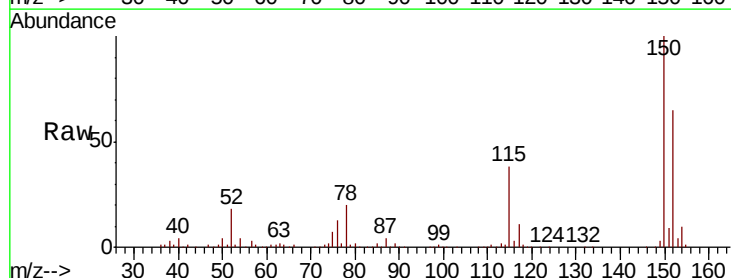
Tgt Ion:152 Resp: 413198

Ion Ratio Lower Upper

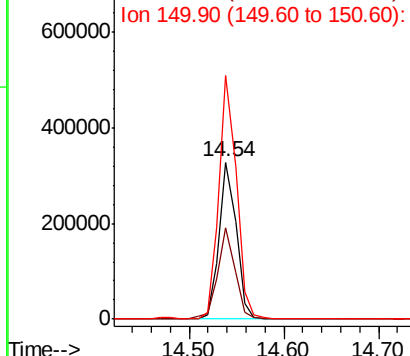
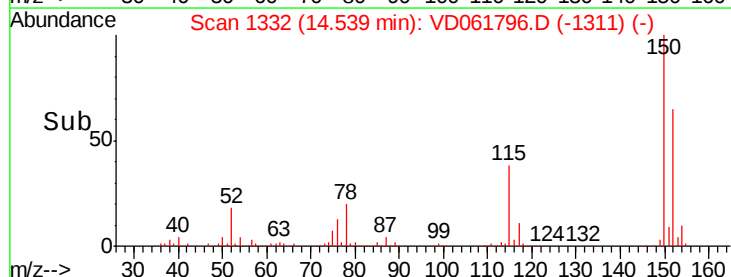
152 100

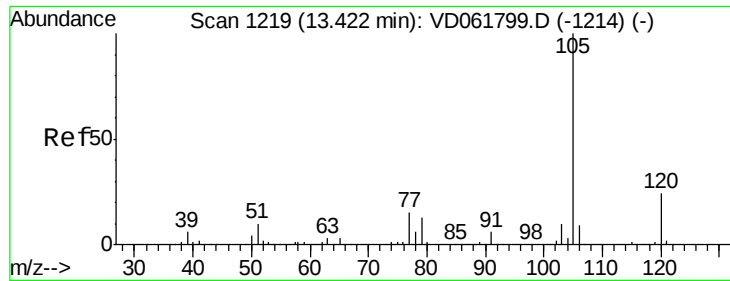
115 58.1 30.9 92.7

150 154.9 0.0 314.8



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: 4.498 ug/l

RT: 13.43 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VD061796.D

Acq: 15 Apr 2019 12:46

Instrument :

MSVOA_D

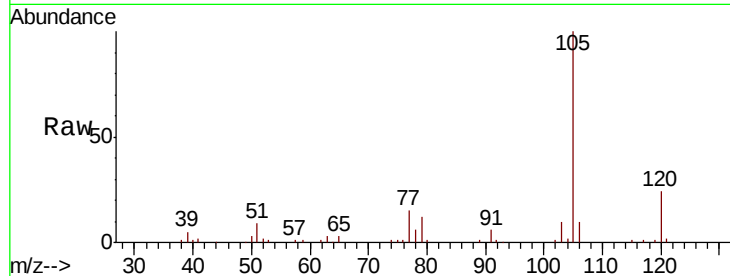
ClientSampleId :

Tot Ion:105 Resp: 120534

Ion Ratio Lower Upper

105 100

120 23.9 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.43

80000

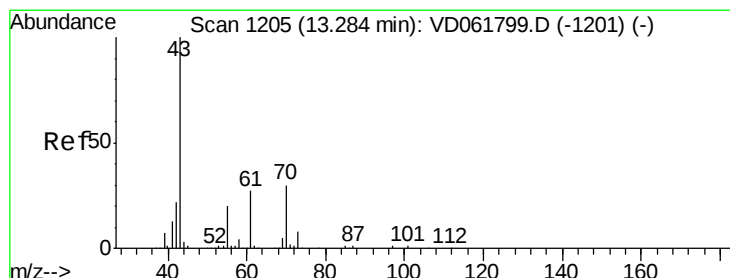
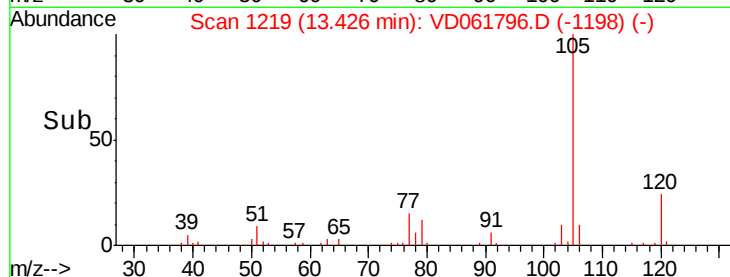
60000

40000

20000

0

Time--> 13.35 13.40 13.45 13.50



#74

N-ethyl acetate

Concen: 4.442 ug/l

RT: 13.29 min Scan# 1205

Delta R.T. 0.00 min

Lab File: VD061796.D

Acq: 15 Apr 2019 12:46

Tgt Ion: 43 Resp: 32012

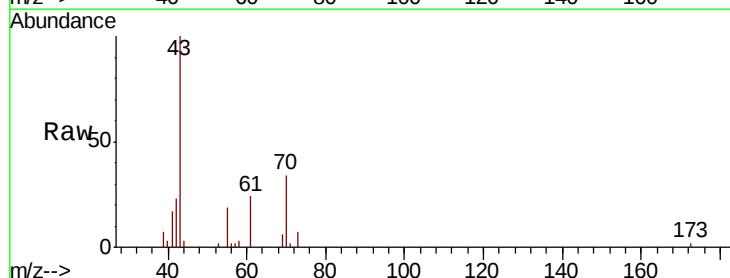
Ion Ratio Lower Upper

43 100

70 34.4 24.2 36.4

55 18.6 16.0 24.0

61 24.4 21.6 32.4



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

40000

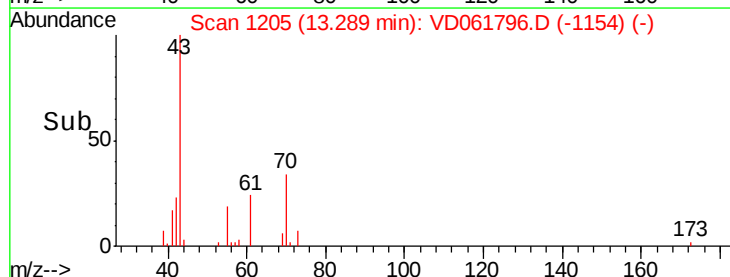
30000

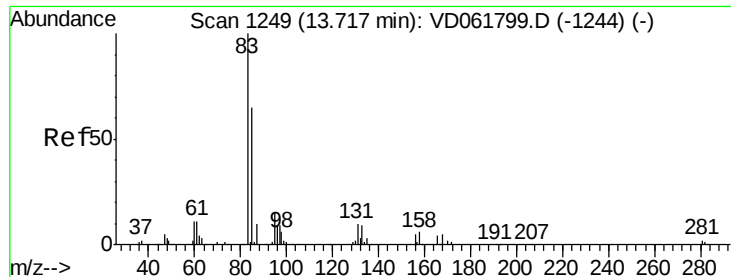
20000

10000

0

Time--> 13.25 13.30 13.35





#75

1,1,2,2-Tetrachloroethane

Concen: 4.290 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. 0.00 min

Lab File: VD061796.D

Acq: 15 Apr 2019 12:46

Instrument :

MSVOA_D

ClientSampleId :

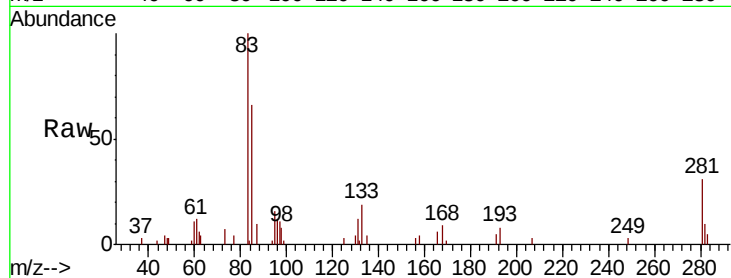
Tot Ion: 83 Resp: 22722

Ion Ratio Lower Upper

83 100

131 11.9 5.0 14.9

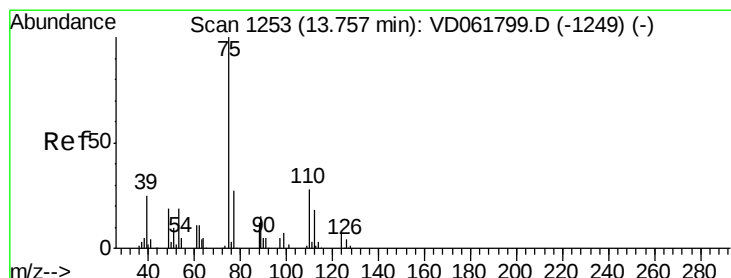
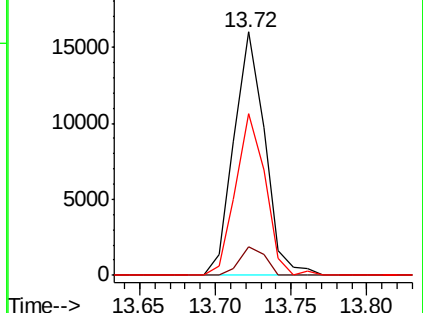
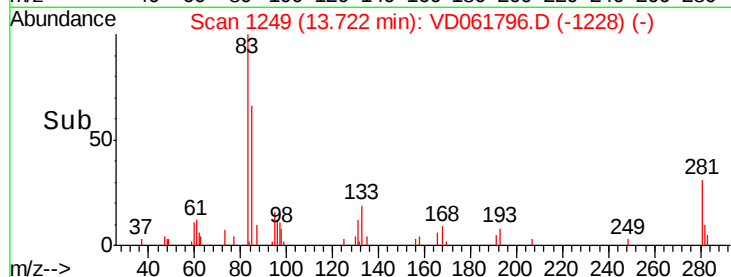
85 66.2 32.6 97.7



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: 4.306 ug/l

RT: 13.75 min Scan# 1252

Delta R.T. -0.01 min

Lab File: VD061796.D

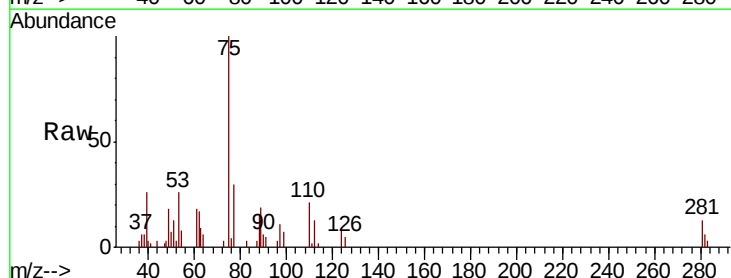
Acq: 15 Apr 2019 12:46

Tgt Ion: 75 Resp: 23364

Ion Ratio Lower Upper

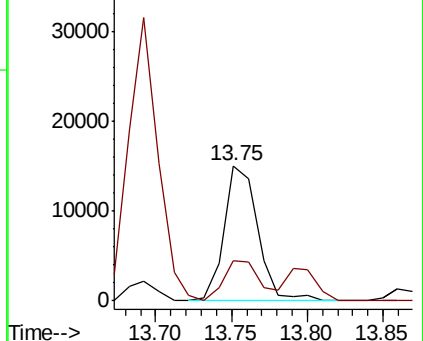
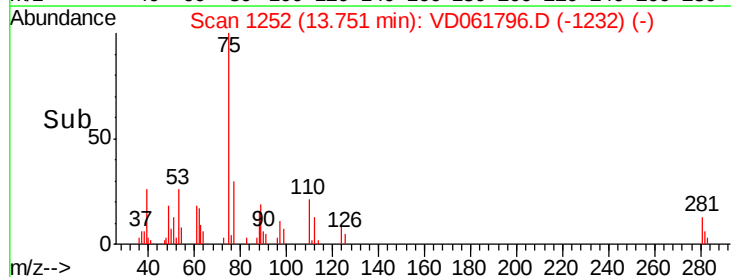
75 100

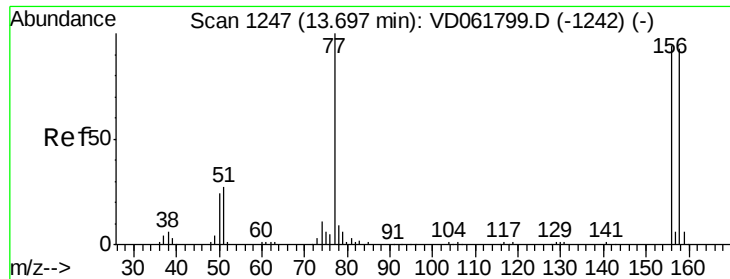
77 30.1 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 4.611 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD061796.D

Acq: 15 Apr 2019 12:46

Instrument :

MSVOA_D

ClientSampleId :

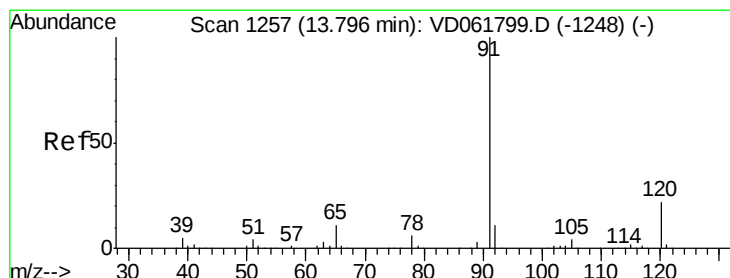
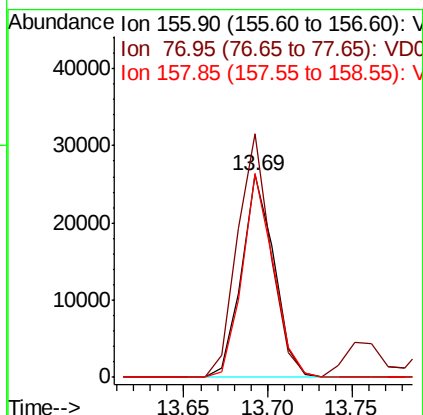
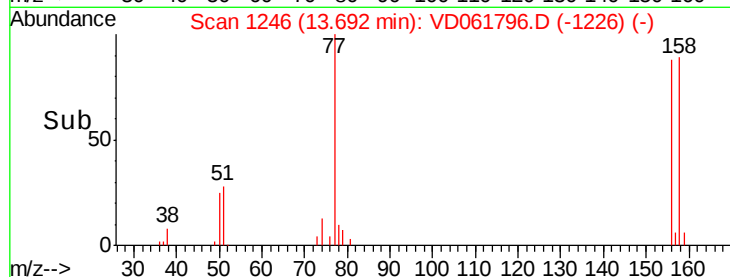
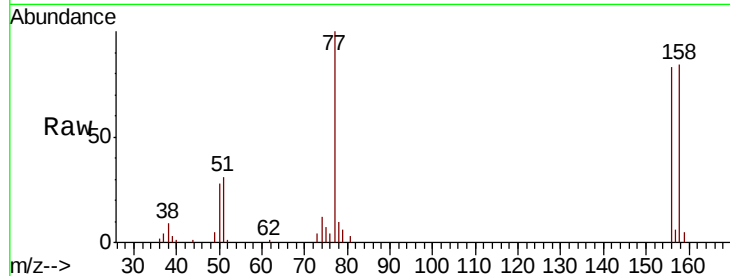
Tot Ion:156 Resp: 35097

Ion Ratio Lower Upper

156 100

77 120.5 53.1 159.4

158 101.2 49.4 148.0



#78

n-propylbenzene

Concen: 4.311 ug/l

RT: 13.80 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VD061796.D

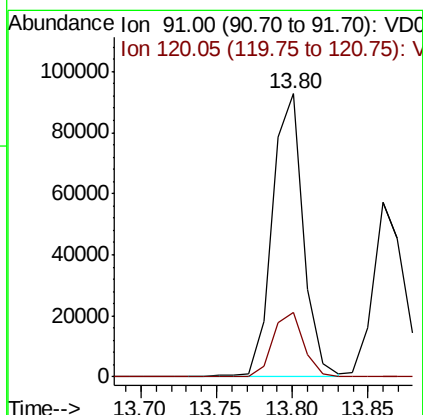
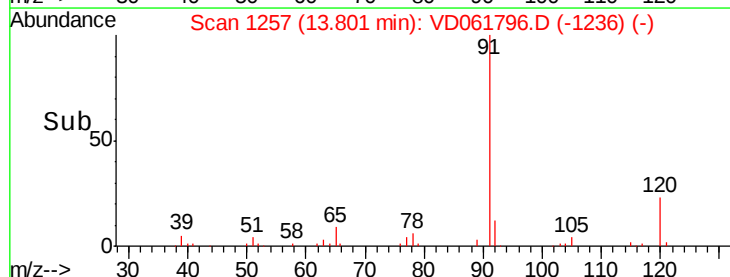
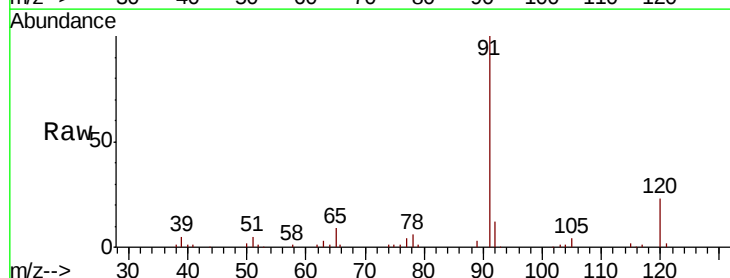
Acq: 15 Apr 2019 12:46

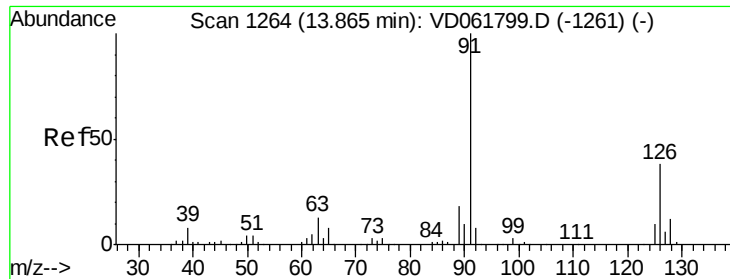
Tgt Ion: 91 Resp: 133474

Ion Ratio Lower Upper

91 100

120 22.9 11.1 33.1

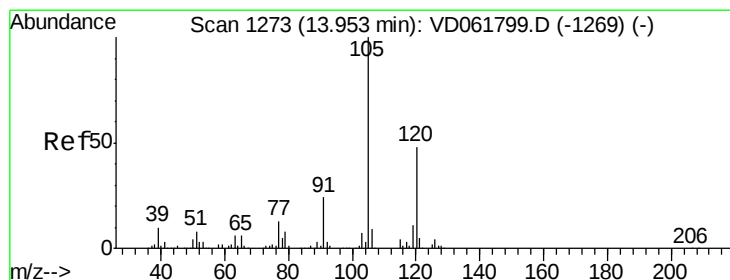
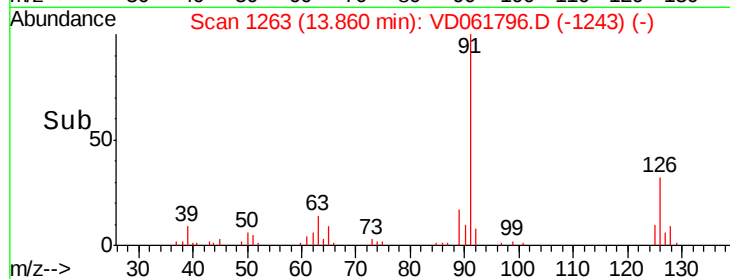
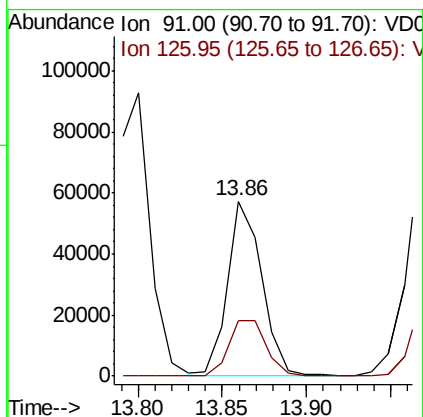
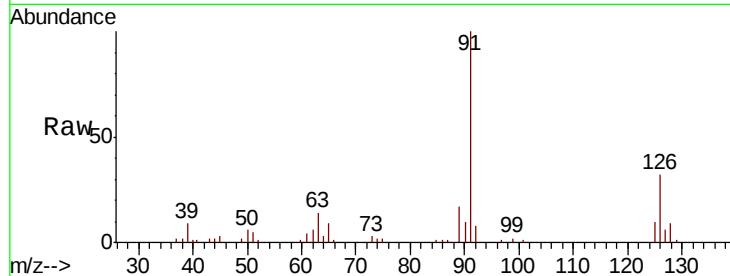




#79
 2-Chlorotoluene
 Concen: 4.524 ug/l
 RT: 13.86 min Scan# 1263
 Delta R.T. -0.01 min
 Lab File: VD061796.D
 Acq: 15 Apr 2019 12:46

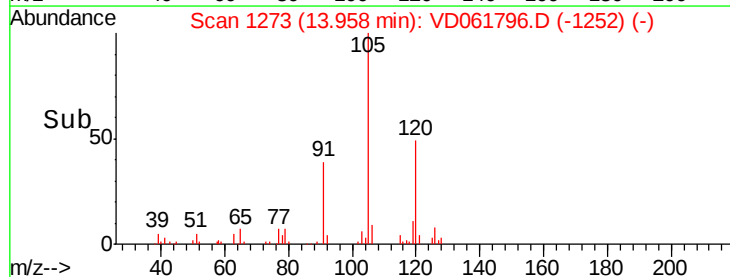
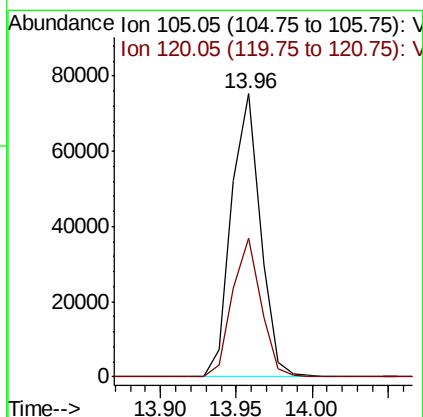
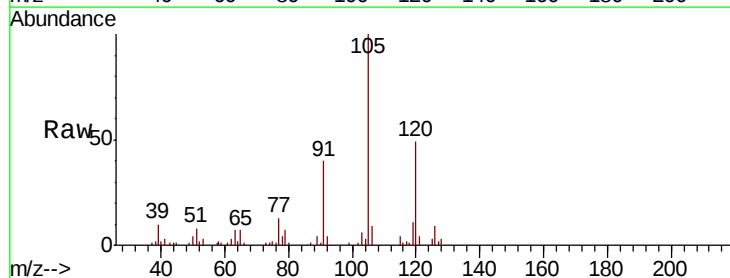
Instrument :
 MSVOA_D
 ClientSampleId :

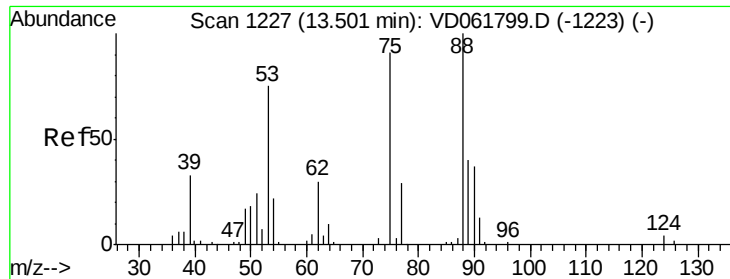
Tot Ion: 91 Resp: 81335
 Ion Ratio Lower Upper
 91 100
 126 31.8 18.6 55.8



#80
 1,3,5-Trimethylbenzene
 Concen: 4.716 ug/l
 RT: 13.96 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: VD061796.D
 Acq: 15 Apr 2019 12:46

Tgt Ion:105 Resp: 100281
 Ion Ratio Lower Upper
 105 100
 120 48.9 24.0 72.0

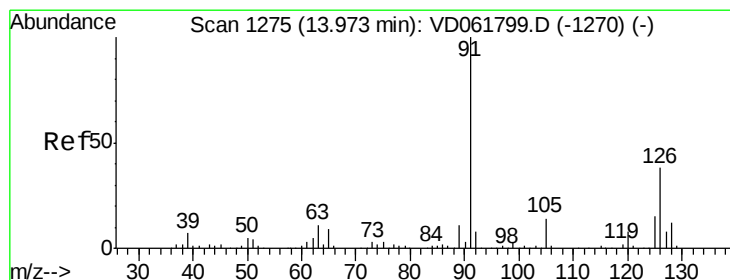
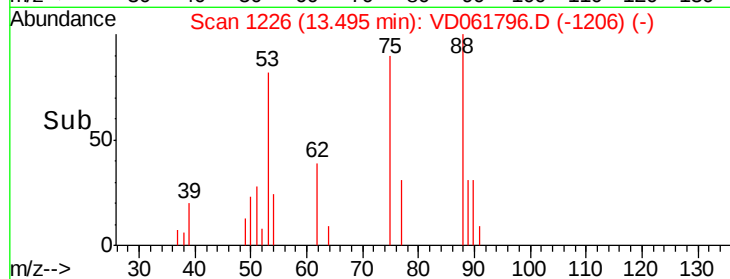
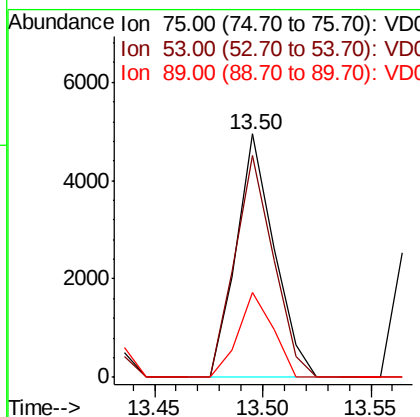
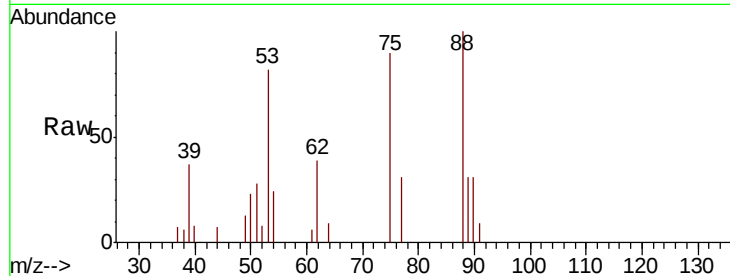




#81
trans-1,4-Dichloro-2-butene
Concen: 3.918 ug/l
RT: 13.50 min Scan# 1226
Delta R.T. -0.01 min
Lab File: VD061796.D
Acq: 15 Apr 2019 12:46

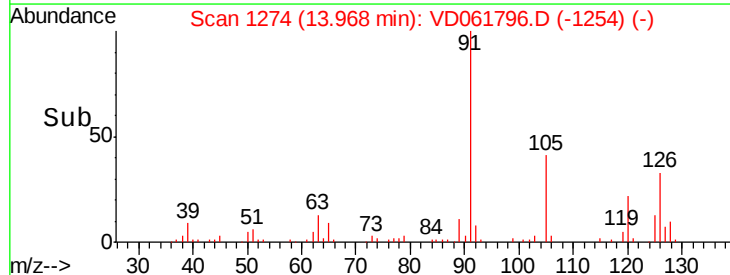
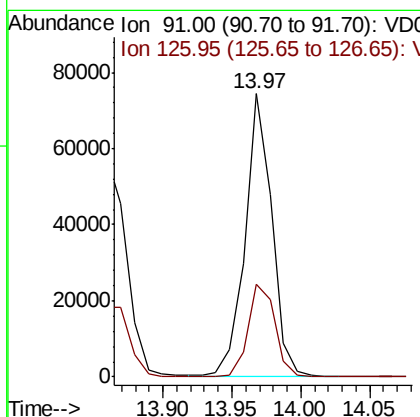
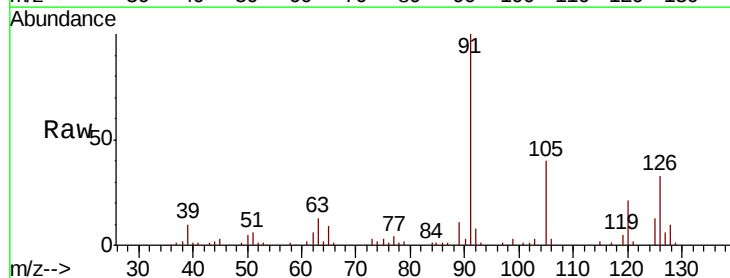
Instrument :
MSVOA_D
ClientSampleId :

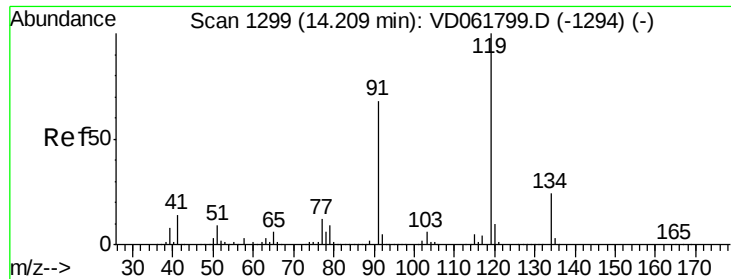
Tot Ion: 75 Resp: 6057
Ion Ratio Lower Upper
75 100
53 91.3 65.8 98.8
89 34.8 35.0 52.6#



#82
4-Chlorotoluene
Concen: 4.906 ug/l
RT: 13.97 min Scan# 1274
Delta R.T. -0.01 min
Lab File: VD061796.D
Acq: 15 Apr 2019 12:46

Tgt Ion: 91 Resp: 101569
Ion Ratio Lower Upper
91 100
126 32.7 19.1 57.5

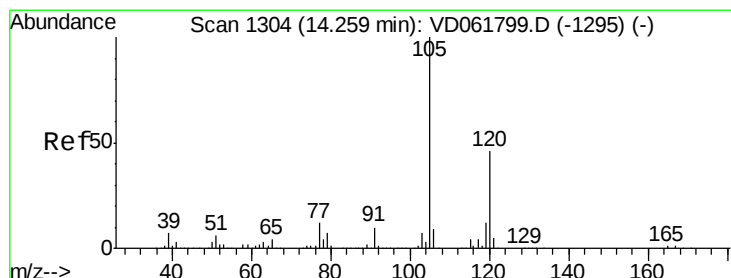
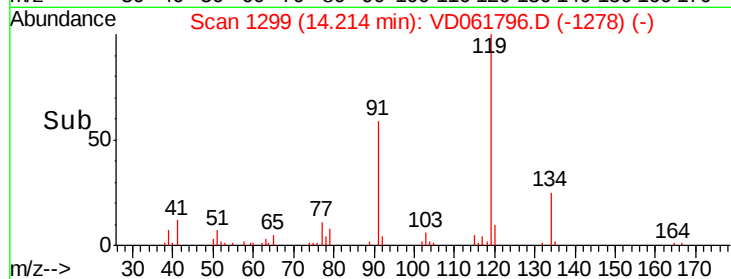
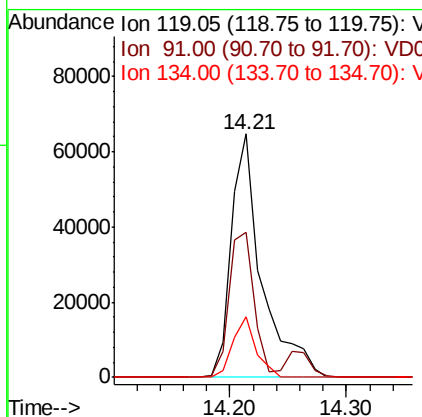
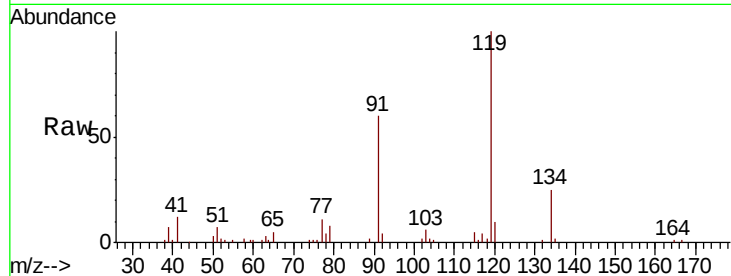




#83
tert-Butylbenzene
Concen: 4.707 ug/l
RT: 14.21 min Scan# 1299
Delta R.T. 0.00 min
Lab File: VD061796.D
Acq: 15 Apr 2019 12:46

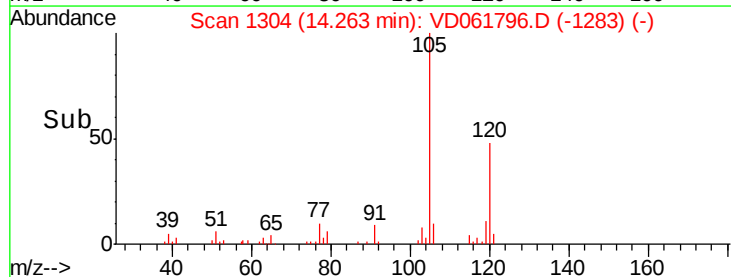
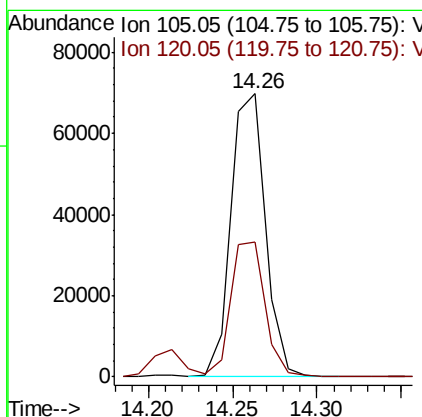
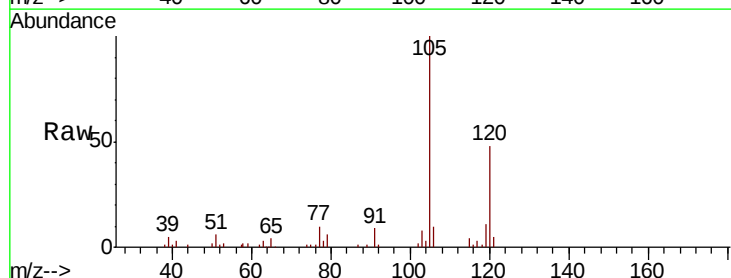
Instrument :
MSVOA_D
ClientSampled :

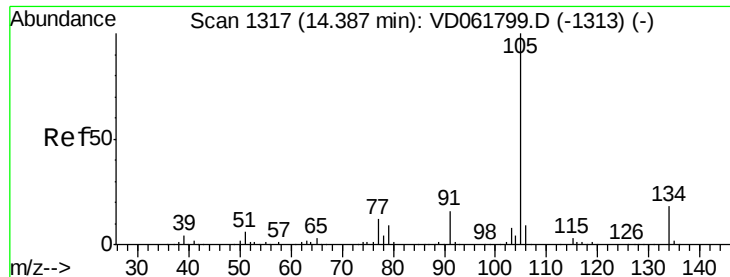
Tot Ion:119 Resp: 117519
Ion Ratio Lower Upper
119 100
91 59.7 34.2 102.6
134 25.0 12.0 36.0



#84
1,2,4-Trimethylbenzene
Concen: 4.635 ug/l
RT: 14.26 min Scan# 1304
Delta R.T. 0.00 min
Lab File: VD061796.D
Acq: 15 Apr 2019 12:46

Tgt Ion:105 Resp: 99069
Ion Ratio Lower Upper
105 100
120 47.7 23.1 69.2

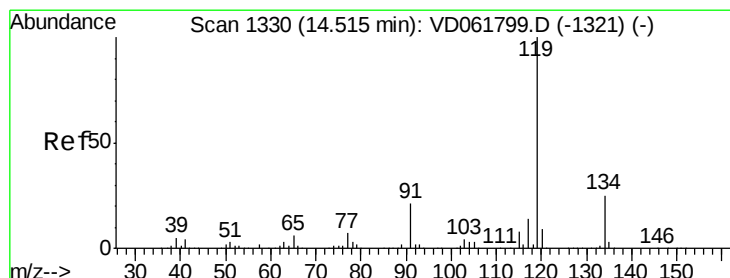
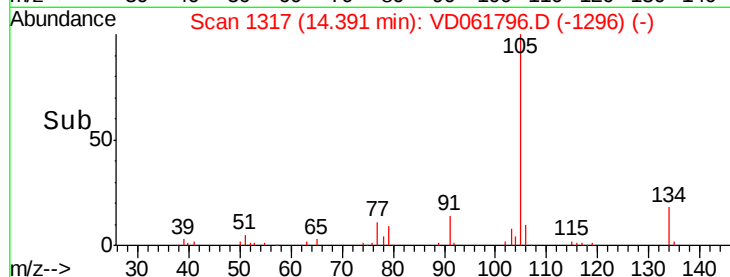
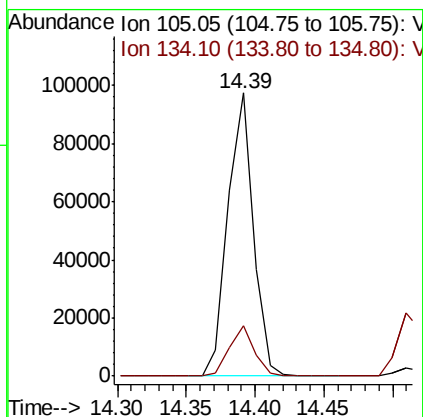
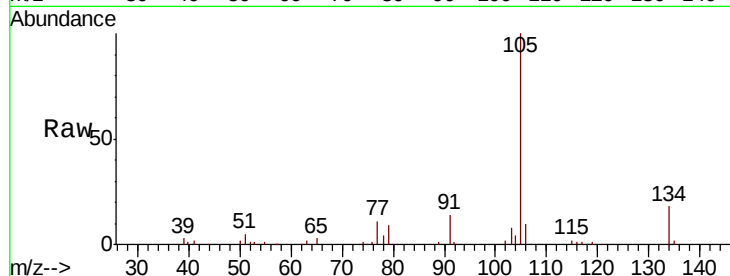




#85
 sec-Butylbenzene
 Concen: 4.836 ug/l
 RT: 14.39 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VD061796.D
 Acq: 15 Apr 2019 12:46

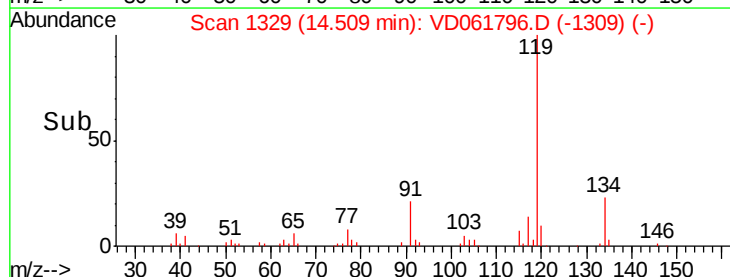
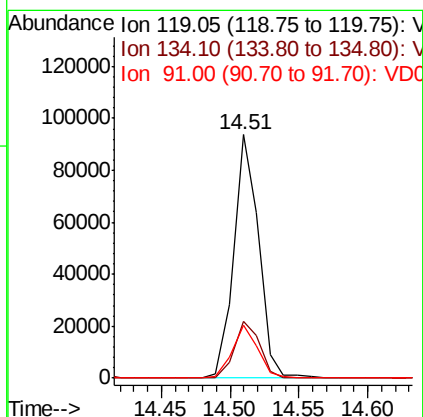
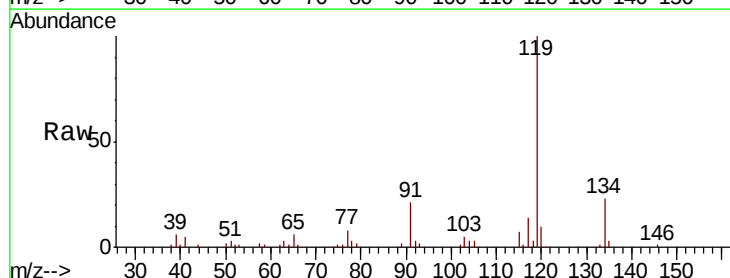
Instrument :
 MSVOA_D
 ClientSampled :

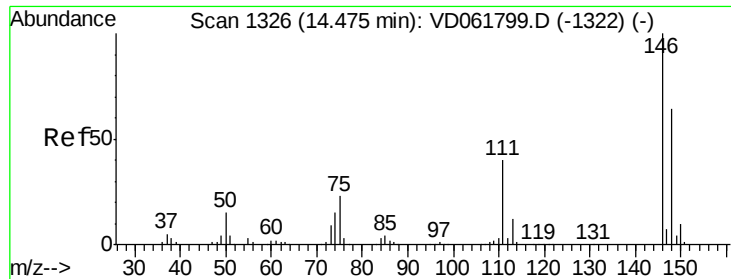
Tot Ion:105 Resp: 124821
 Ion Ratio Lower Upper
 105 100
 134 17.9 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 4.861 ug/l
 RT: 14.51 min Scan# 1329
 Delta R.T. -0.01 min
 Lab File: VD061796.D
 Acq: 15 Apr 2019 12:46

Tgt Ion:119 Resp: 117394
 Ion Ratio Lower Upper
 119 100
 134 23.3 12.8 38.3
 91 21.5 10.7 32.1

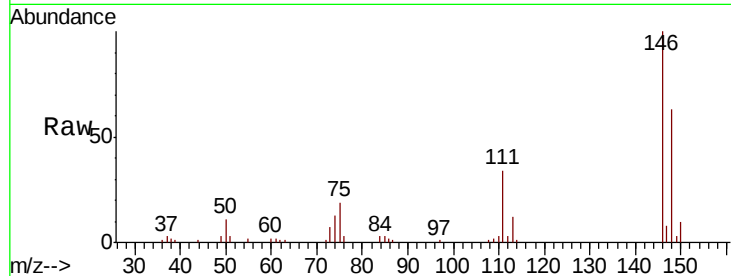




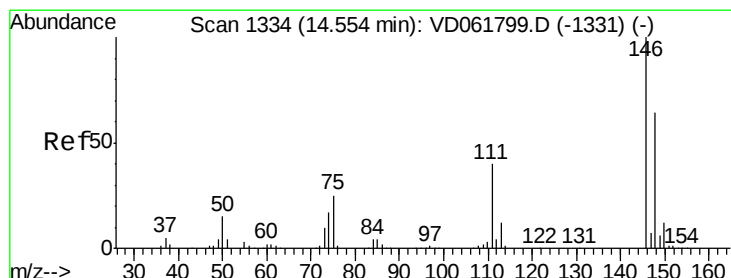
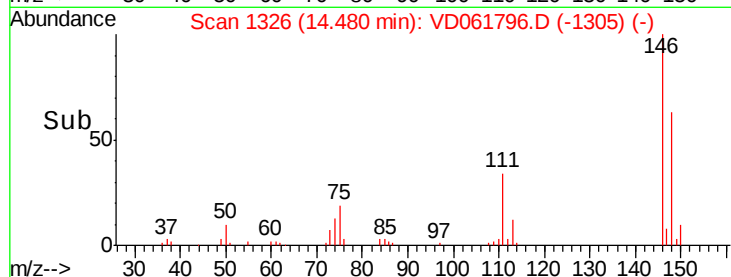
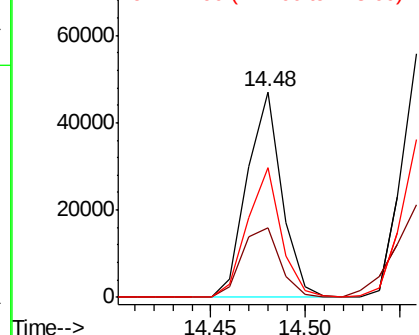
#87
 1,3-Dichlorobenzene
 Concen: 4.497 ug/l
 RT: 14.48 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: VD061796.D
 Acq: 15 Apr 2019 12:46

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 59762
 Ion Ratio Lower Upper
 146 100
 111 34.0 20.0 60.0
 148 63.2 31.8 95.4

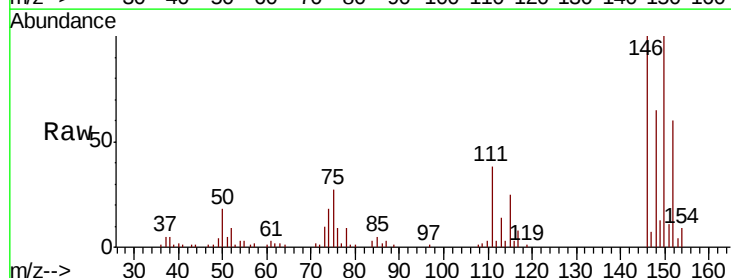


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

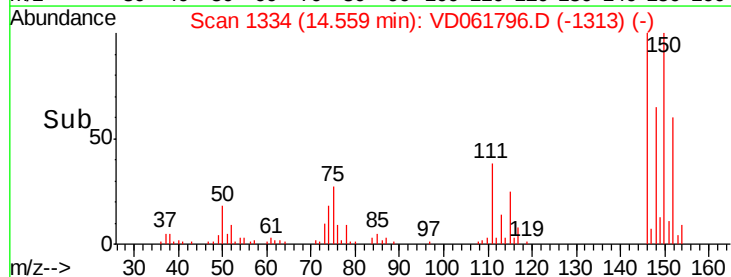
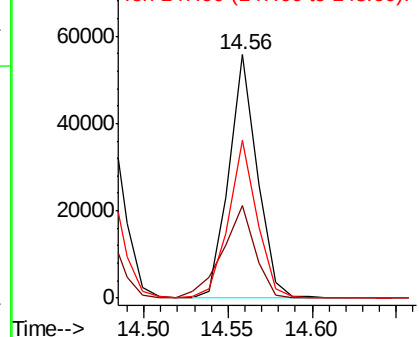


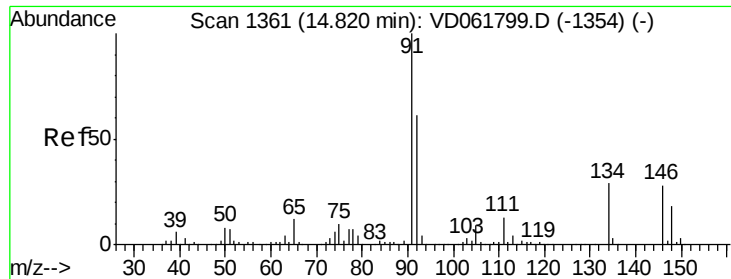
#88
 1,4-Dichlorobenzene
 Concen: 4.985 ug/l
 RT: 14.56 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: VD061796.D
 Acq: 15 Apr 2019 12:46

Tgt Ion:146 Resp: 65481
 Ion Ratio Lower Upper
 146 100
 111 38.0 20.2 60.5
 148 64.8 32.0 96.2



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

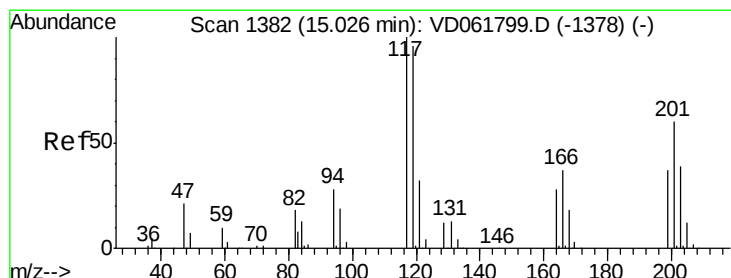
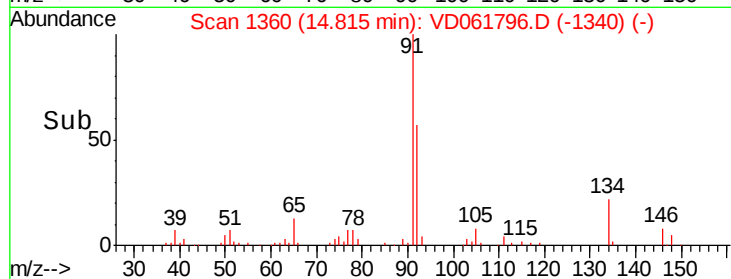
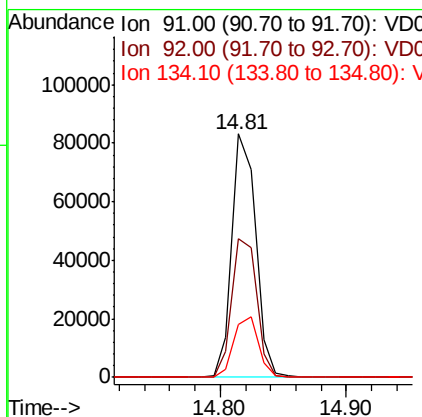
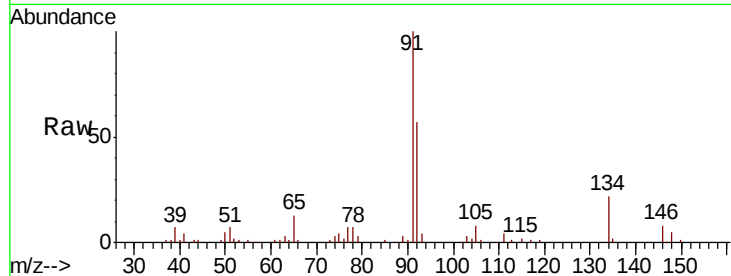




#89
n-Butylbenzene
Concen: 5.070 ug/l
RT: 14.81 min Scan# 1360
Delta R.T. -0.01 min
Lab File: VD061796.D
Acq: 15 Apr 2019 12:46

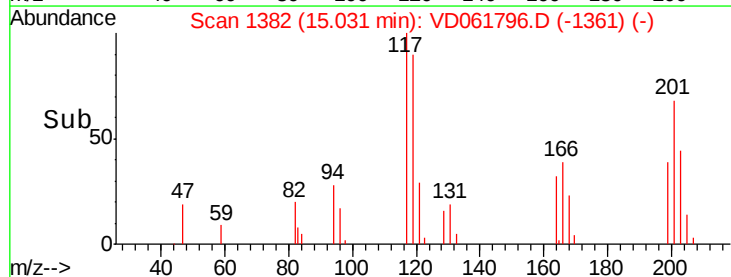
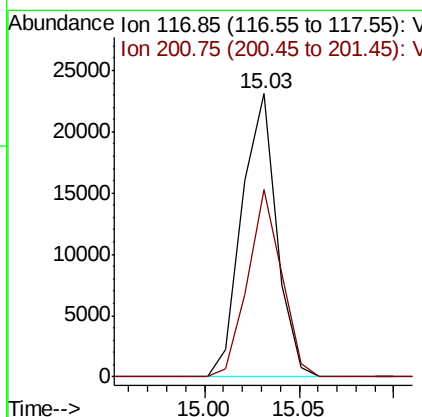
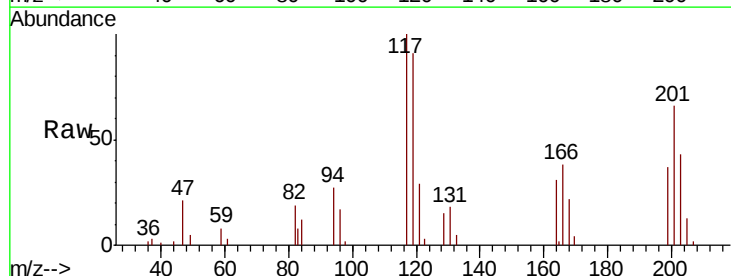
Instrument :
MSVOA_D
ClientSampleId :

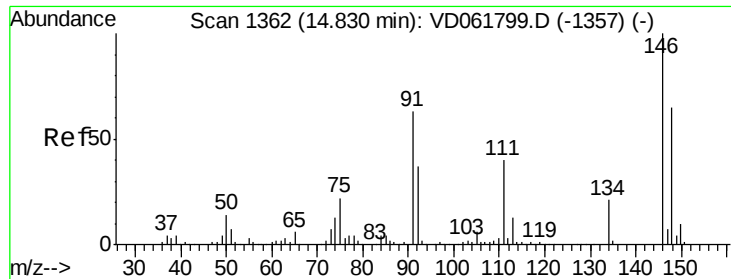
Tot Ion: 91 Resp: 108364
Ion Ratio Lower Upper
91 100
92 57.0 30.3 91.0
134 22.0 14.5 43.6



#90
Hexachloroethane
Concen: 4.455 ug/l
RT: 15.03 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VD061796.D
Acq: 15 Apr 2019 12:46

Tgt Ion: 117 Resp: 29323
Ion Ratio Lower Upper
117 100
201 66.4 30.2 90.6

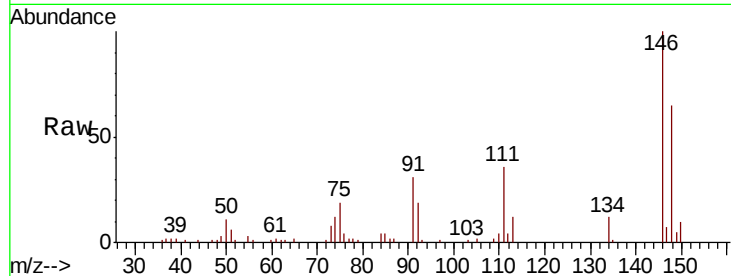




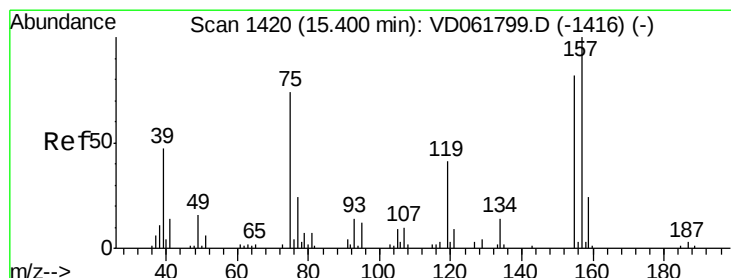
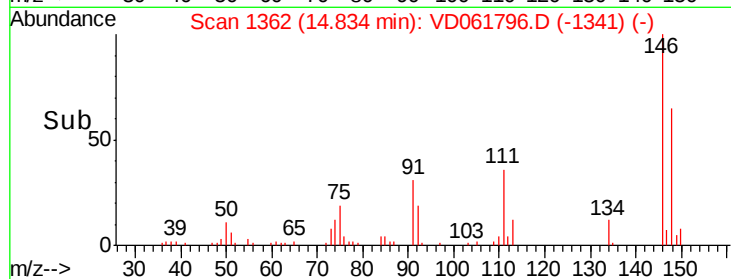
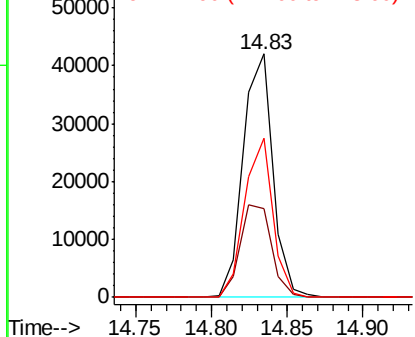
#91
 1,2-Dichlorobenzene
 Concen: 5.145 ug/l
 RT: 14.83 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VD061796.D
 Acq: 15 Apr 2019 12:46

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 57274
 Ion Ratio Lower Upper
 146 100
 111 36.3 20.0 59.9
 148 65.3 32.3 96.8

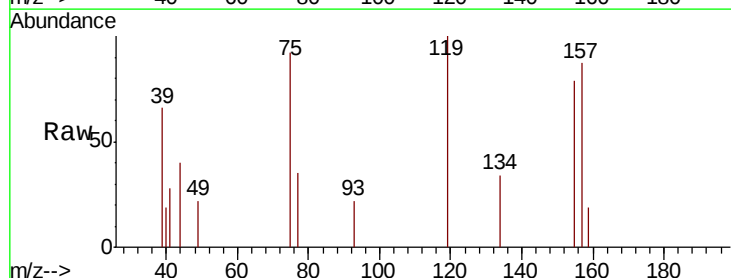


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

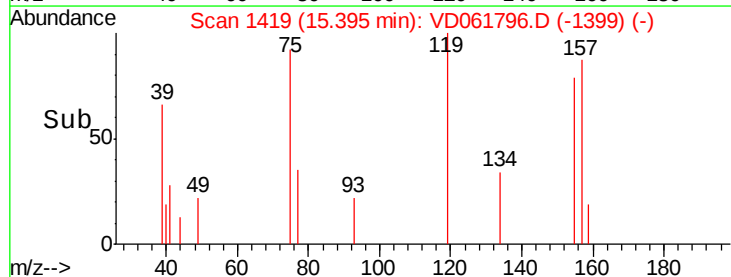
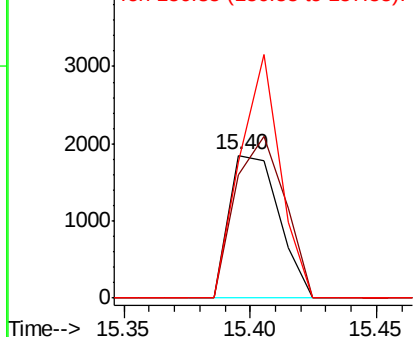


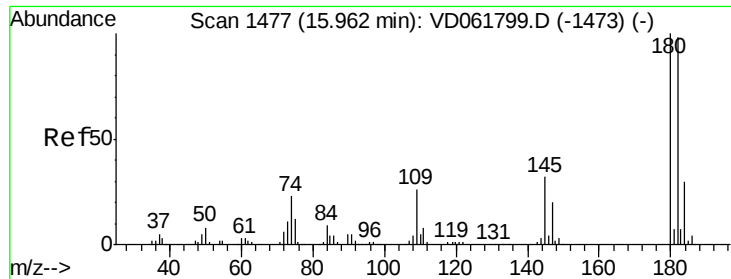
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 3.456 ug/l
 RT: 15.40 min Scan# 1419
 Delta R.T. -0.01 min
 Lab File: VD061796.D
 Acq: 15 Apr 2019 12:46

Tgt Ion: 75 Resp: 2535
 Ion Ratio Lower Upper
 75 100
 155 86.7 55.3 165.8
 157 95.0 67.8 203.2



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

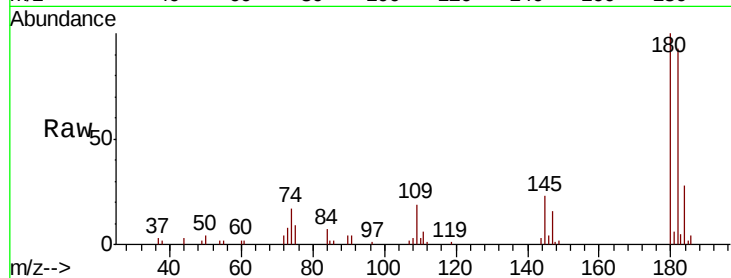




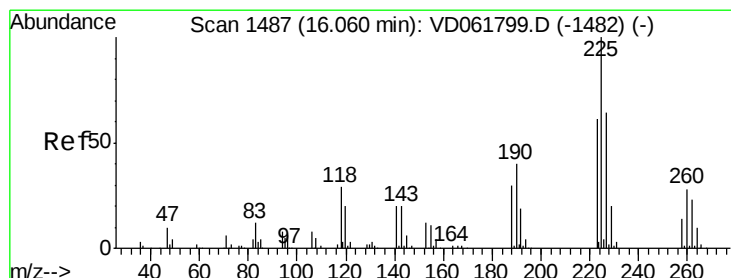
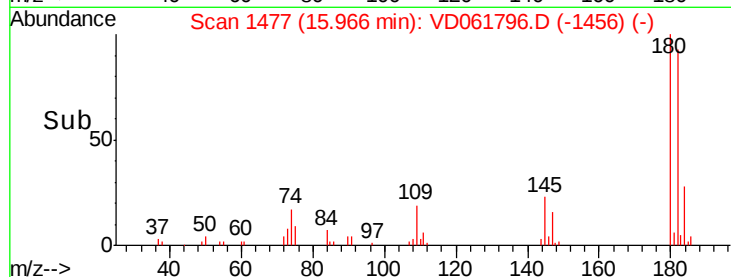
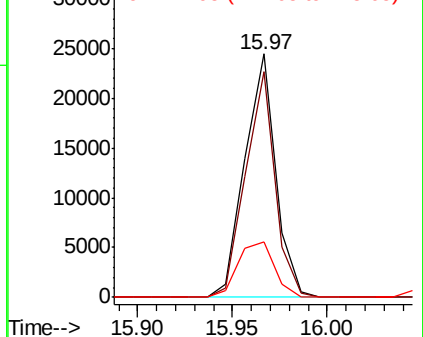
#93
 1,2,4-Trichlorobenzene
 Concen: 4.525 ug/l
 RT: 15.97 min Scan# 1477
 Delta R.T. 0.00 min
 Lab File: VD061796.D
 Acq: 15 Apr 2019 12:46

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 27667
 Ion Ratio Lower Upper
 180 100
 182 92.7 49.3 147.8
 145 22.6 16.2 48.6

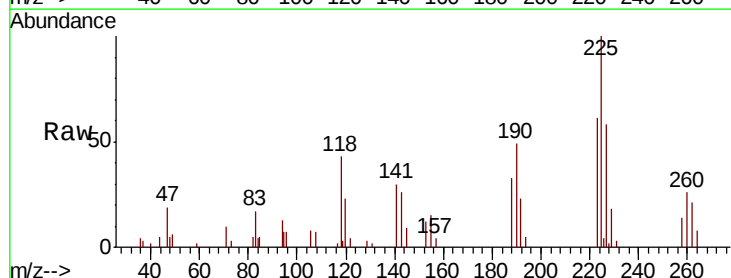


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

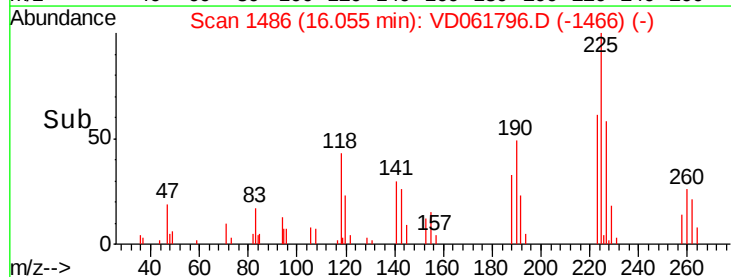
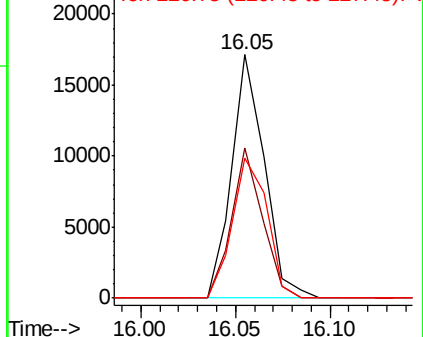


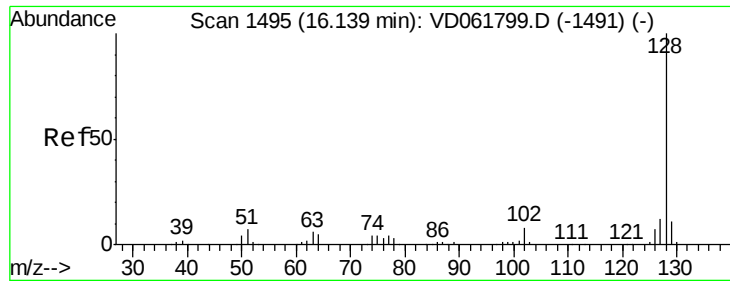
#94
 Hexachlorobutadiene
 Concen: 4.591 ug/l
 RT: 16.05 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VD061796.D
 Acq: 15 Apr 2019 12:46

Tgt Ion:225 Resp: 20339
 Ion Ratio Lower Upper
 225 100
 223 61.5 30.6 92.0
 227 57.6 32.0 96.2



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

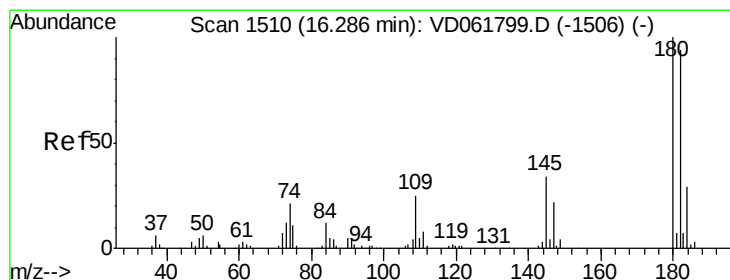
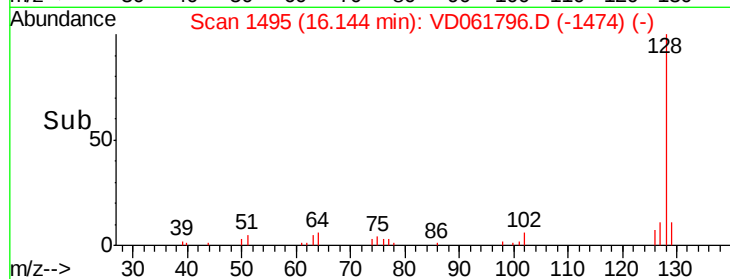
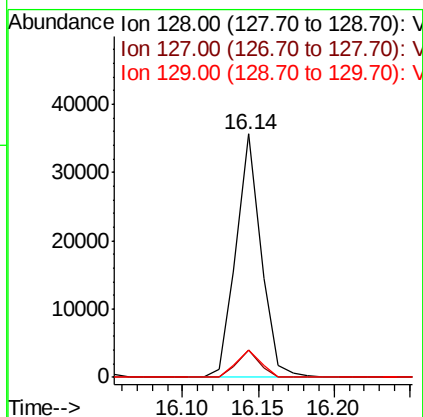
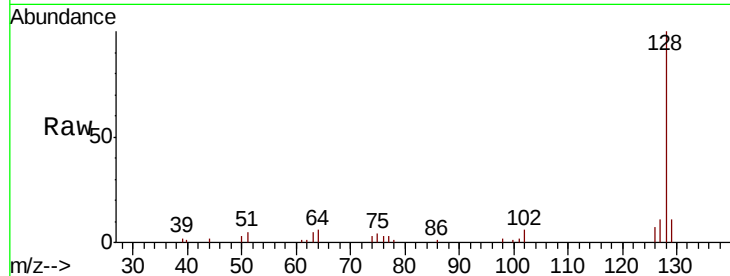




#95
Naphthalene
Concen: 4.384 ug/l
RT: 16.14 min Scan# 1495
Delta R.T. 0.00 min
Lab File: VD061796.D
Acq: 15 Apr 2019 12:46

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 41081
Ion Ratio Lower Upper
128 100
127 11.4 9.8 14.8
129 11.1 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 4.775 ug/l
RT: 16.29 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VD061796.D
Acq: 15 Apr 2019 12:46

Tgt Ion:180 Resp: 16637
Ion Ratio Lower Upper
180 100
182 105.4 47.0 141.0
145 31.5 17.0 51.0

