

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD012819\
 Data File : VD060795.D
 Acq On : 28 Jan 2019 17:07
 Operator : JC/SY
 Sample : VSTDIC075
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 29 13:00:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 29 12:47:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.79	168	624389	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.98	114	890836	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.16	117	631989	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.32	152	332832	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.22	65	683265	71.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	142.76%	
35) Dibromofluoromethane	6.68	113	608692	71.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	142.50%	
50) Toluene-d8	10.19	98	1386964	69.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	139.04%	
62) 4-Bromofluorobenzene	13.35	95	691296	68.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	137.88%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.59	85	612357	80.663	ug/l	98
3) Chloromethane	1.75	50	321091	70.644	ug/l	100
4) Vinyl Chloride	1.84	62	373188	77.352	ug/l	92
5) Bromomethane	2.13	94	92619	57.170	ug/l	97
6) Chloroethane	2.24	64	123904	71.354	ug/l	87
7) Trichlorofluoromethane	2.48	101	680572	71.661	ug/l	99
8) Diethyl Ether	2.80	74	109284	78.092	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.05	101	351269	72.983	ug/l	95
10) Methyl Iodide	3.21	142	387001	76.800	ug/l	97
11) Tert butyl alcohol	3.92	59	173801	379.930	ug/l	96
12) 1,1-Dichloroethene	3.04	96	236268	71.836	ug/l	98
13) Acrolein	2.96	56	54366	292.732	ug/l #	80
14) Allyl chloride	3.50	41	544617	71.154	ug/l	98
15) Acrylonitrile	4.04	53	358715	349.970	ug/l	96
16) Acetone	3.13	43	462817	336.035	ug/l	97
17) Carbon Disulfide	3.28	76	822615	70.608	ug/l	96
18) Methyl Acetate	3.52	43	193359	70.548	ug/l	98
19) Methyl tert-butyl Ether	4.08	73	1088293	72.477	ug/l	98
20) Methylene Chloride	3.67	84	448464	63.635	ug/l	96
21) trans-1,2-Dichloroethene	4.05	96	395685	68.245	ug/l	98
22) Diisopropyl ether	4.89	45	1450762	73.554	ug/l	90
23) Vinyl Acetate	4.83	43	4199735	369.751	ug/l	98
24) 1,1-Dichloroethane	4.76	63	915059	70.869	ug/l	98
25) 2-Butanone	5.84	43	703469	397.523	ug/l	100
26) 2,2-Dichloropropane	5.79	77	957829	70.403	ug/l	96
27) cis-1,2-Dichloroethene	5.80	96	469516	71.100	ug/l	96
28) Bromochloromethane	6.19	49	361122	71.694	ug/l	99
29) Tetrahydrofuran	6.23	42	325157	382.621	ug/l	99
30) Chloroform	6.42	83	1136305	74.457	ug/l	97
31) Cyclohexane	6.71	56	638954	72.731	ug/l	97
32) 1,1,1-Trichloroethane	6.63	97	1057484	71.955	ug/l	94
36) 1,1-Dichloropropene	6.90	75	757693	71.236	ug/l	98
37) Ethyl Acetate	5.94	43	331566	69.833	ug/l #	93
38) Carbon Tetrachloride	6.87	117	953233	71.469	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.63	83	653913	73.412	ug/l	99
40) Benzene	7.22	78	1487177	70.843	ug/l	99
41) Methacrylonitrile	6.22	41	424106	135.837	ug/l #	92
42) 1,2-Dichloroethane	7.34	62	847482	69.492	ug/l	100
43) Isopropyl Acetate	9.01	43	465029	75.093	ug/l #	98
44) Trichloroethene	8.30	130	536325	75.363	ug/l	96
45) 1,2-Dichloropropane	8.70	63	441622	77.713	ug/l	99
46) Dibromomethane	8.83	93	331971	75.252	ug/l	98
47) Bromodichloromethane	9.14	83	920661	77.318	ug/l	98
48) Methyl methacrylate	8.88	41	329973	77.270	ug/l	98
49) 1,4-Dioxane	8.85	88	55299	1670.241	ug/l	94
51) 4-Methyl-2-Pentanone	10.08	43	1477643	368.461	ug/l	100
52) Toluene	10.29	92	921944	69.235	ug/l	99
53) t-1,3-Dichloropropene	10.69	75	749049	71.515	ug/l	97
54) cis-1,3-Dichloropropene	9.82	75	823601	76.681	ug/l	97
55) 1,1,2-Trichloroethane	10.97	97	337732	74.390	ug/l	98
56) Ethyl methacrylate	10.82	69	392654	71.394	ug/l	99
57) 1,3-Dichloropropane	11.19	76	543823	70.088	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.63	63	977798	338.842	ug/l	98
59) 2-Hexanone	11.32	43	1129249	374.499	ug/l	99
60) Dibromochloromethane	11.47	129	588721	72.129	ug/l	99
61) 1,2-Dibromoethane	11.59	107	392427	73.395	ug/l	96
64) Tetrachloroethene	11.04	164	453288	78.151	ug/l	97
65) Chlorobenzene	12.19	112	1069029	74.020	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.31	131	479569	77.289	ug/l	97
67) Ethyl Benzene	12.32	91	1869058	71.969	ug/l	99
68) m/p-Xylenes	12.46	106	1196300	141.587	ug/l	97
69) o-Xylene	12.85	106	629968	75.332	ug/l	97
70) Styrene	12.87	104	1079436	76.974	ug/l	97
71) Bromoform	13.04	173	389093	83.229	ug/l	97
73) Isopropylbenzene	13.20	105	1836726	69.214	ug/l	100
74) N-amyl acetate	13.06	43	644636	79.018	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.50	83	383683	79.407	ug/l	98
76) 1,2,3-Trichloropropane	13.54	75	467279	76.561	ug/l	96
77) Bromobenzene	13.47	156	494306	72.463	ug/l	99
78) n-propylbenzene	13.58	91	2555591	76.714	ug/l	99
79) 2-Chlorotoluene	13.65	91	1504724	74.055	ug/l	100
80) 1,3,5-Trimethylbenzene	14.04	105	1729651	75.712	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.27	75	132856	83.494	ug/l	96
82) 4-Chlorotoluene	13.74	91	1651547	73.133	ug/l	90
83) tert-Butylbenzene	13.99	119	1769752	74.044	ug/l	98
84) 1,2,4-Trimethylbenzene	14.04	105	1729651	75.712	ug/l	99
85) sec-Butylbenzene	14.17	105	1905792	70.047	ug/l	98
86) p-Isopropyltoluene	14.30	119	1532904	69.395	ug/l	99
87) 1,3-Dichlorobenzene	14.26	146	917406	75.190	ug/l	99
88) 1,4-Dichlorobenzene	14.34	146	889497	75.032	ug/l	98
89) n-Butylbenzene	14.60	91	1643993	71.332	ug/l	99
90) Hexachloroethane	14.81	117	497288	75.652	ug/l	80
91) 1,2-Dichlorobenzene	14.61	146	727647	71.849	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.18	75	96448	84.019	ug/l	72

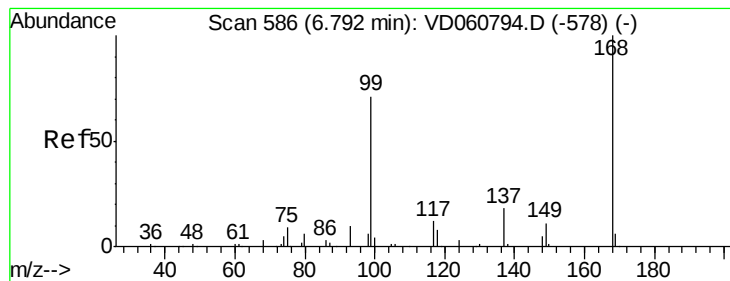
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Quant Title : SW846 8260
QLast Update : Tue Jan 29 12:47:39 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.75	180	612284	69.823	ug/l	99
94) Hexachlorobutadiene	15.84	225	492268	74.818	ug/l	97
95) Naphthalene	15.93	128	1140492	84.648	ug/l	100
96) 1,2,3-Trichlorobenzene	16.08	180	580508	76.130	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.79 min Scan# 586

Delta R.T. 0.00 min

Lab File: VD060795.D

Acq: 28 Jan 2019 17:07

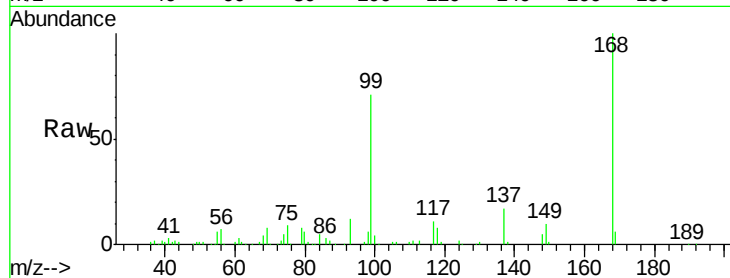
Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 168 Resp: 624389

Ion Ratio Lower Upper

168 100

99 71.0 59.2 88.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.79

250000

200000

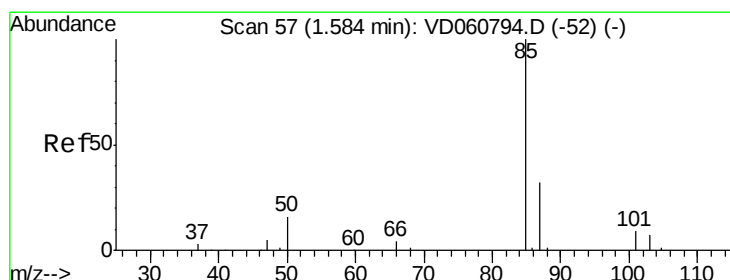
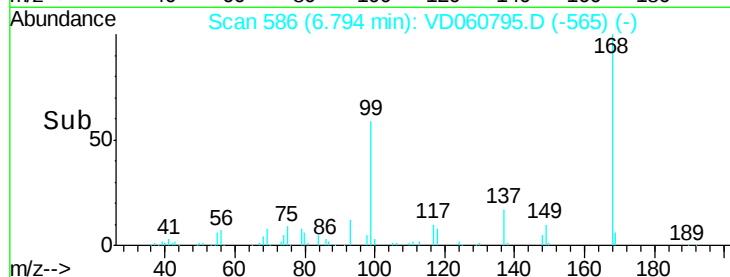
150000

100000

50000

0

Time--> 6.60 6.70 6.80 6.90 7.00



#2

Dichlorodifluoromethane

Concen: 80.663 ug/l

RT: 1.59 min Scan# 57

Delta R.T. 0.00 min

Lab File: VD060795.D

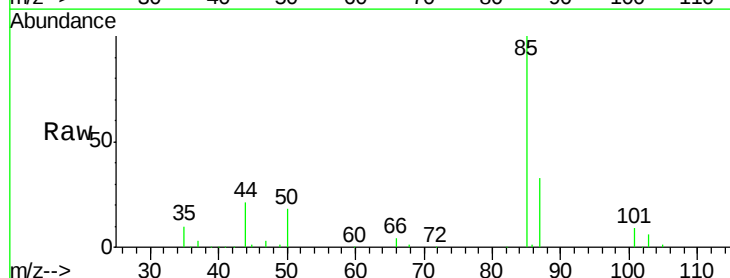
Acq: 28 Jan 2019 17:07

Tgt Ion: 85 Resp: 612357

Ion Ratio Lower Upper

85 100

87 33.2 16.2 48.5



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.59

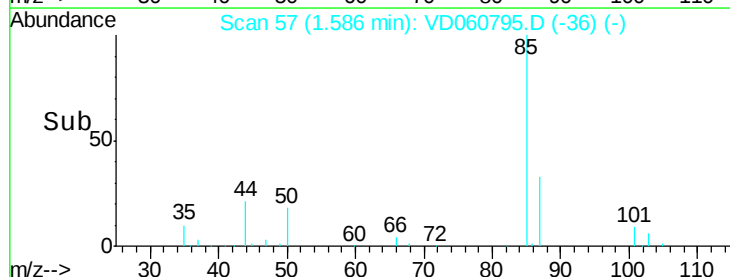
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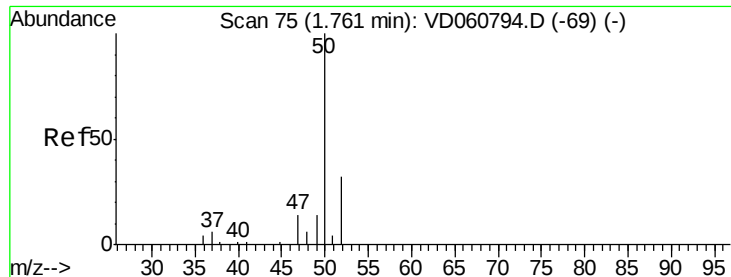
100000

50000

0

Time--> 1.50 1.60 1.70 1.80





#3

Chloromethane

Concen: 70.644 ug/l

RT: 1.75 min Scan# 74

Delta R.T. -0.01 min

Lab File: VD060795.D

Acq: 28 Jan 2019 17:07

Instrument :

MSVOA_D

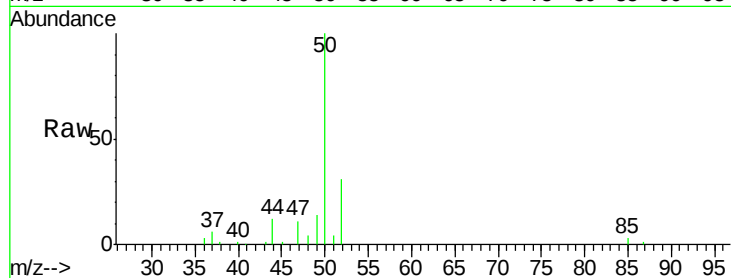
ClientSampleId :

Tgt Ion: 50 Resp: 321091

Ion Ratio Lower Upper

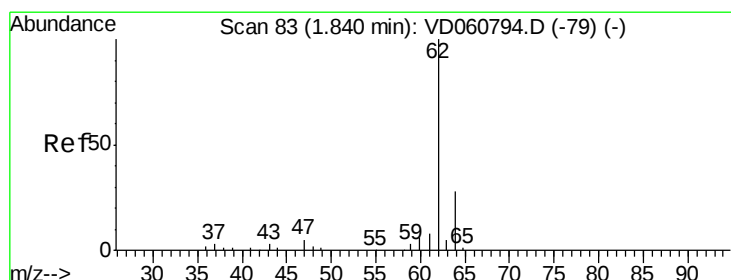
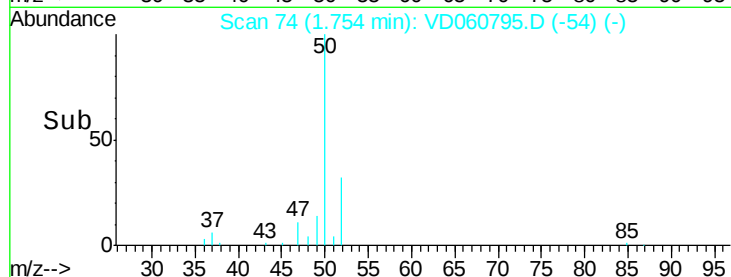
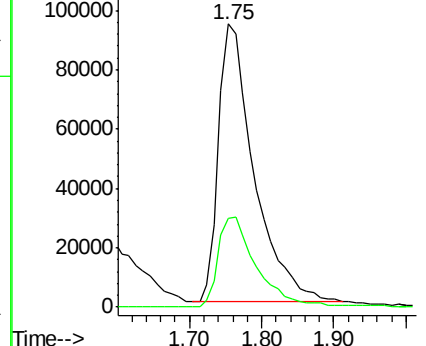
50 100

52 31.5 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 77.352 ug/l

RT: 1.84 min Scan# 83

Delta R.T. 0.00 min

Lab File: VD060795.D

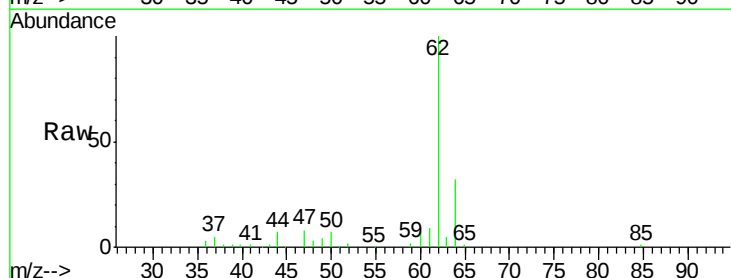
Acq: 28 Jan 2019 17:07

Tgt Ion: 62 Resp: 373188

Ion Ratio Lower Upper

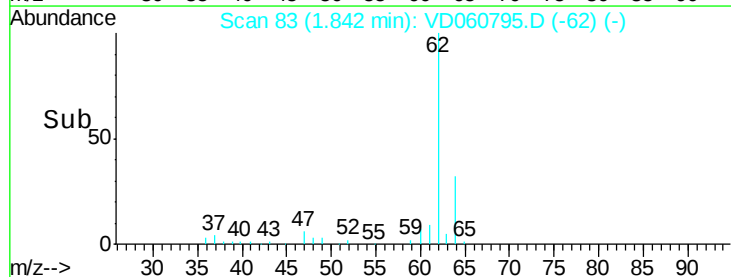
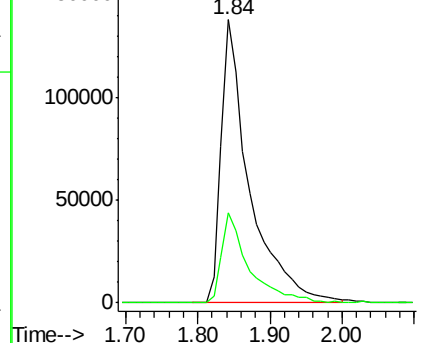
62 100

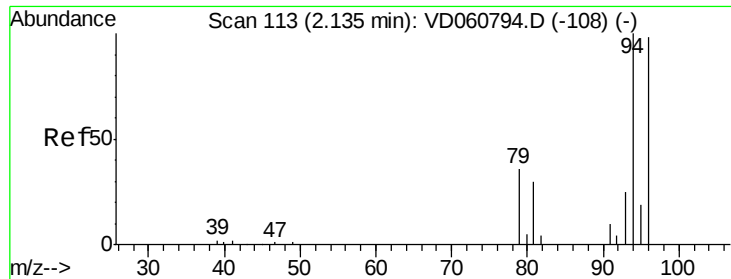
64 31.8 22.1 33.1



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

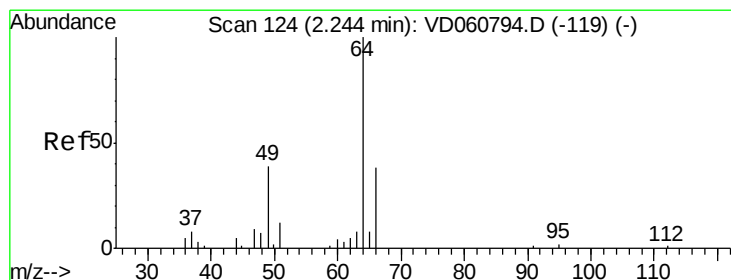
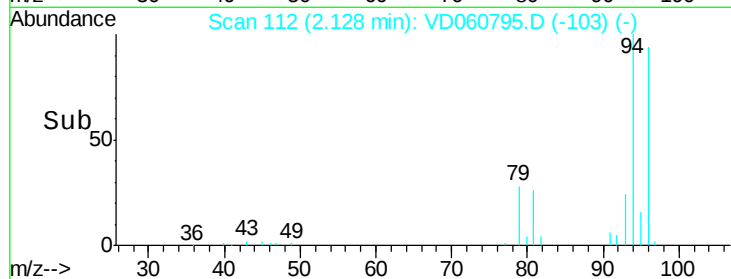
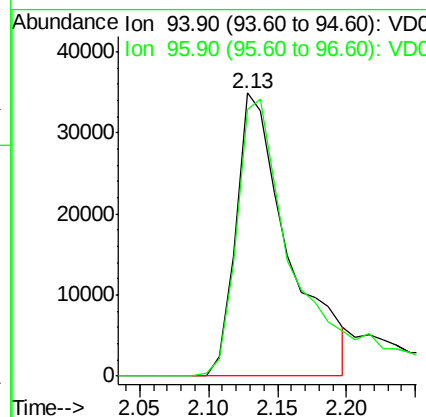
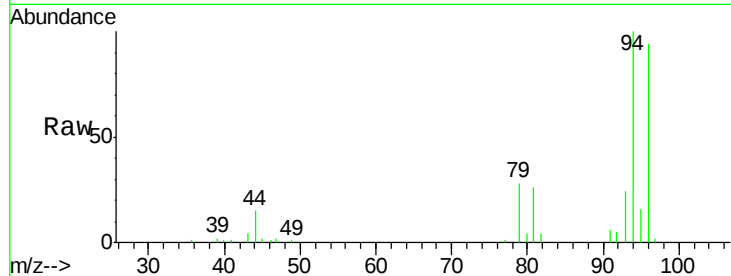




#5
Bromomethane
Concen: 57.170 ug/l
RT: 2.13 min Scan# 112
Delta R.T. -0.01 min
Lab File: VD060795.D
Acq: 28 Jan 2019 17:07

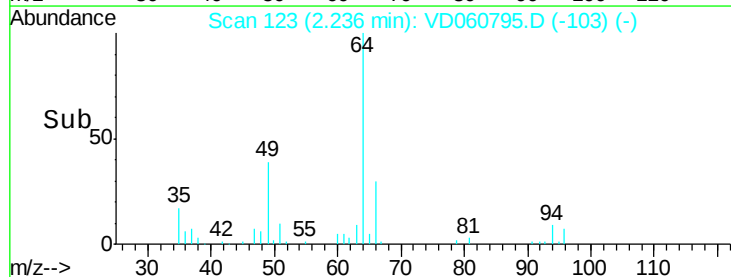
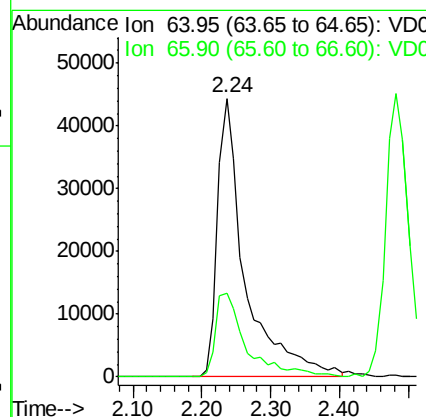
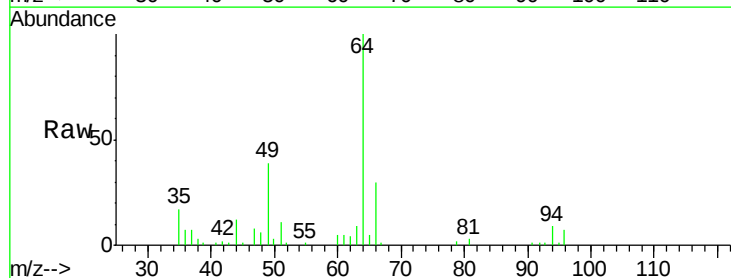
Instrument :
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ClientSampleId :

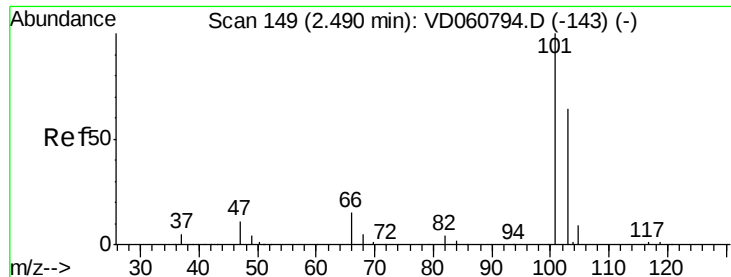
Tgt Ion: 94 Resp: 92619
Ion Ratio Lower Upper
94 100
96 94.3 78.0 117.0



#6
Chloroethane
Concen: 71.354 ug/l
RT: 2.24 min Scan# 123
Delta R.T. -0.01 min
Lab File: VD060795.D
Acq: 28 Jan 2019 17:07

Tgt Ion: 64 Resp: 123904
Ion Ratio Lower Upper
64 100
66 30.3 30.2 45.4



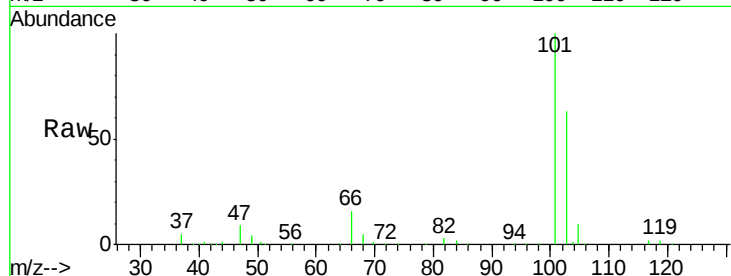


#7

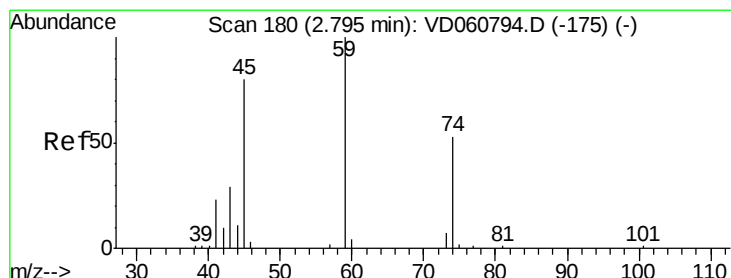
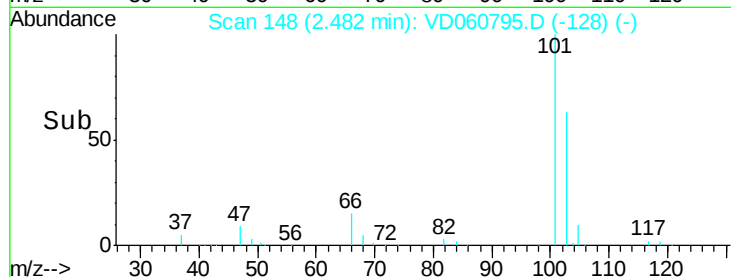
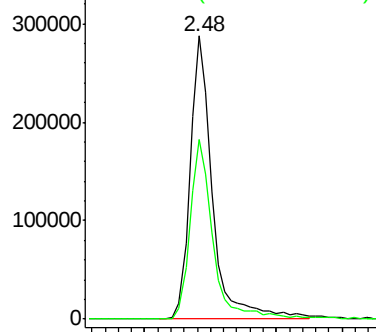
Trichlorofluoromethane
 Concen: 71.661 ug/l
 RT: 2.48 min Scan# 148
 Delta R.T. -0.01 min
 Lab File: VD060795.D
 Acq: 28 Jan 2019 17:07

Instrument :
 MSVOA_D
 ClientSampled :

Tgt Ion: 101 Resp: 680572
 Ion Ratio Lower Upper
 101 100
 103 63.4 51.3 76.9



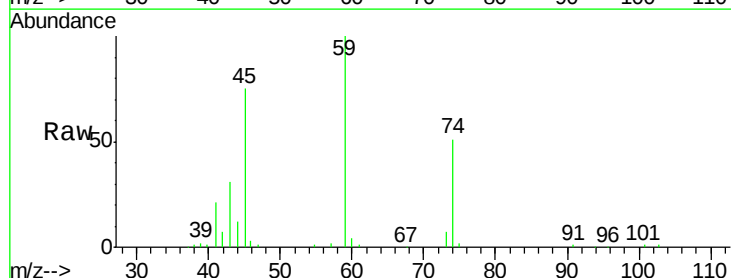
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



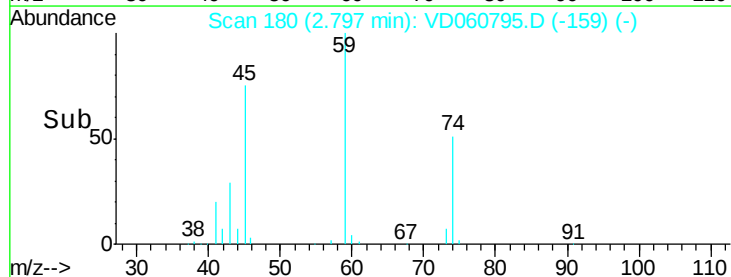
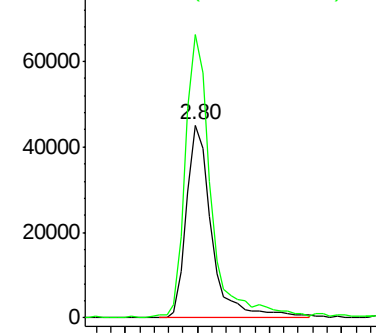
#8

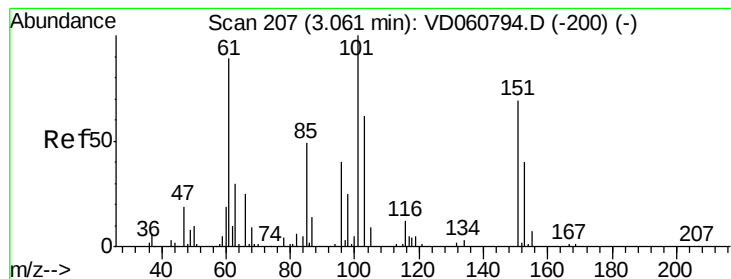
Diethyl Ether
 Concen: 78.092 ug/l
 RT: 2.80 min Scan# 180
 Delta R.T. 0.00 min
 Lab File: VD060795.D
 Acq: 28 Jan 2019 17:07

Tgt Ion: 74 Resp: 109284
 Ion Ratio Lower Upper
 74 100
 45 146.6 75.6 226.8



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 72.983 ug/l

RT: 3.05 min Scan# 206

Delta R.T. -0.01 min

Lab File: VD060795.D

Acq: 28 Jan 2019 17:07

Instrument :

MSVOA_D

ClientSampleId :

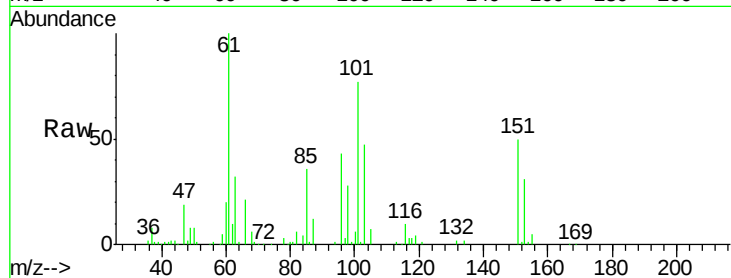
Tgt Ion:101 Resp: 351269

Ion Ratio Lower Upper

101 100

85 47.0 39.3 58.9

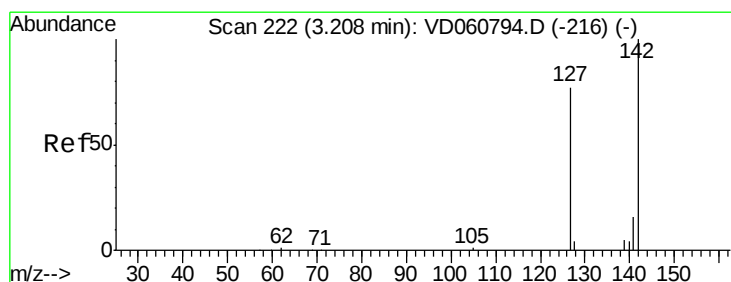
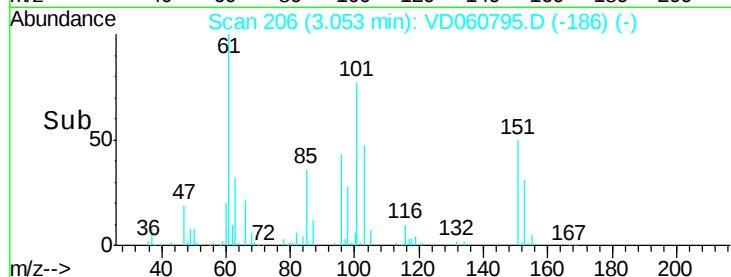
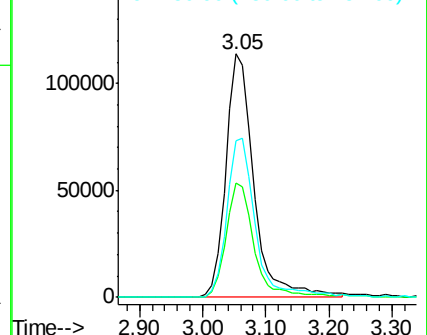
151 64.3 55.1 82.7



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: 76.800 ug/l

RT: 3.21 min Scan# 222

Delta R.T. 0.00 min

Lab File: VD060795.D

Acq: 28 Jan 2019 17:07

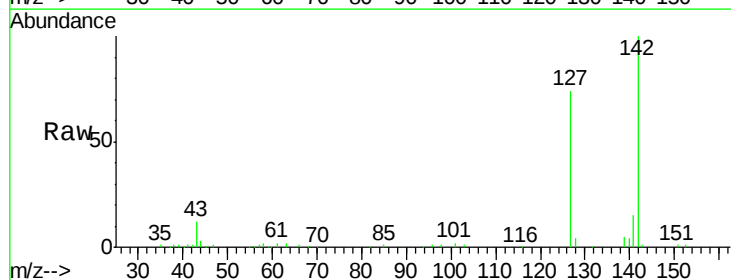
Tgt Ion:142 Resp: 387001

Ion Ratio Lower Upper

142 100

127 73.8 61.6 92.4

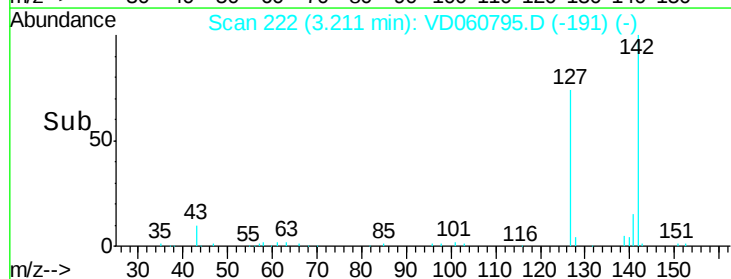
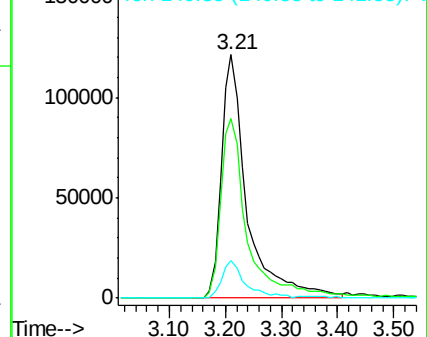
141 15.3 12.5 18.7

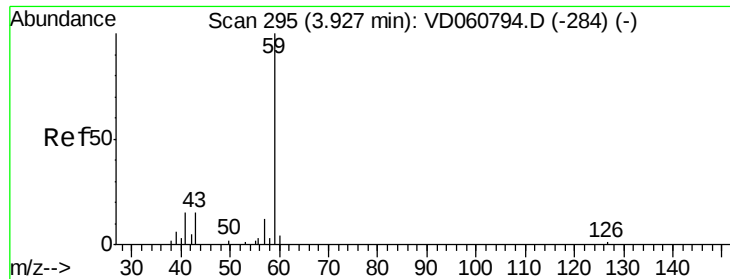


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

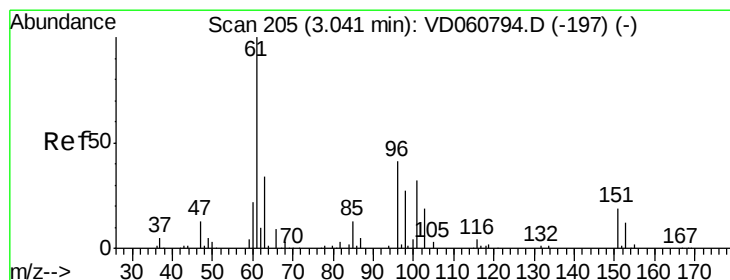
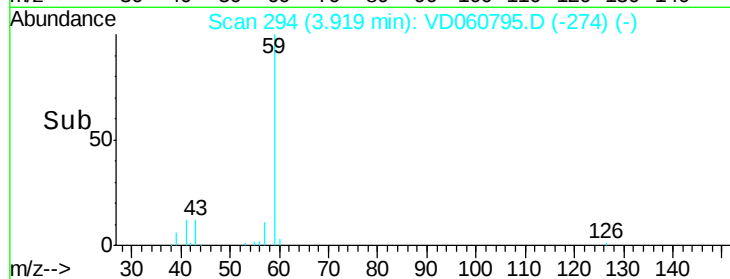
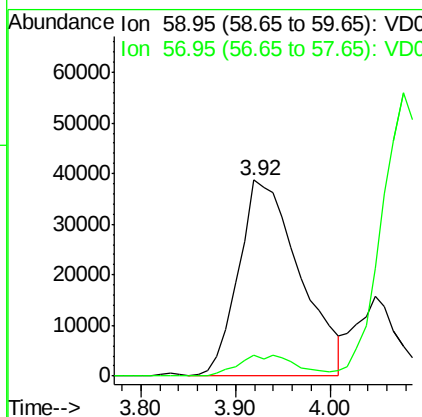
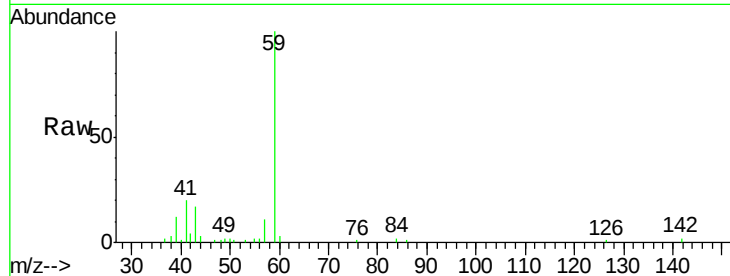




#11
Tert butyl alcohol
Concen: 379.930 ug/l
RT: 3.92 min Scan# 294
Delta R.T. -0.01 min
Lab File: VD060795.D
Acq: 28 Jan 2019 17:07

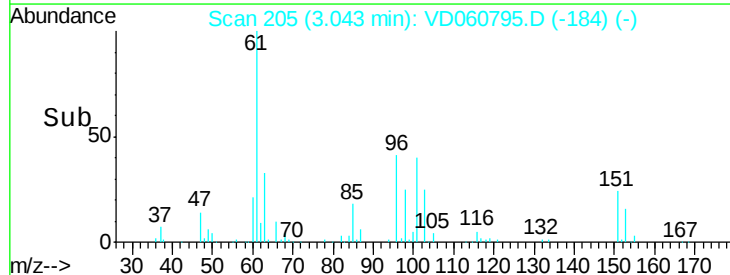
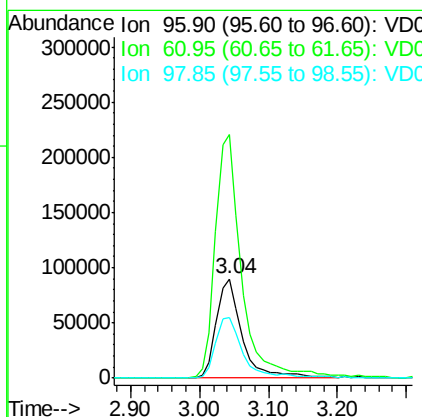
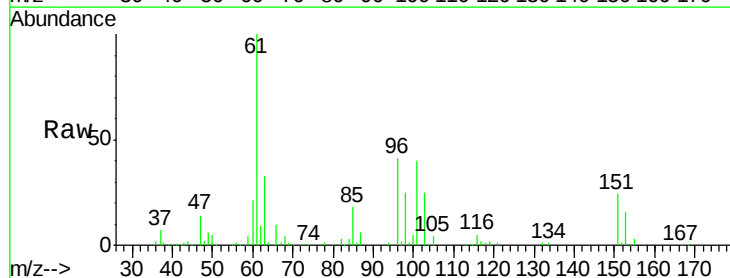
Instrument :
MSVOA_D
ClientSampleId :

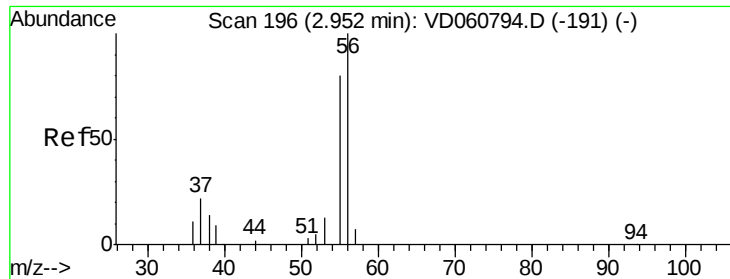
Tgt Ion: 59 Resp: 173801
Ion Ratio Lower Upper
59 100
57 10.8 9.8 14.6



#12
1,1-Dichloroethene
Concen: 71.836 ug/l
RT: 3.04 min Scan# 205
Delta R.T. 0.00 min
Lab File: VD060795.D
Acq: 28 Jan 2019 17:07

Tgt Ion: 96 Resp: 236268
Ion Ratio Lower Upper
96 100
61 245.4 195.1 292.7
98 61.7 52.5 78.7





#13

Acrolein

Concen: 292.732 ug/l

RT: 2.96 min Scan# 197

Delta R.T. 0.01 min

Lab File: VD060795.D

Acq: 28 Jan 2019 17:07

Instrument :

MSVOA_D

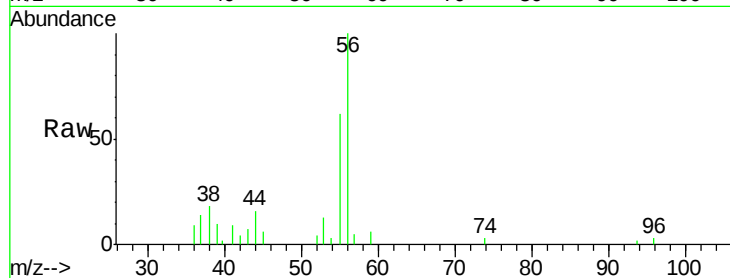
ClientSampleId :

Tgt Ion: 56 Resp: 54366

Ion Ratio Lower Upper

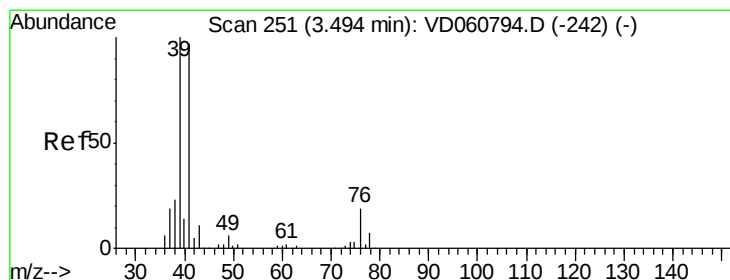
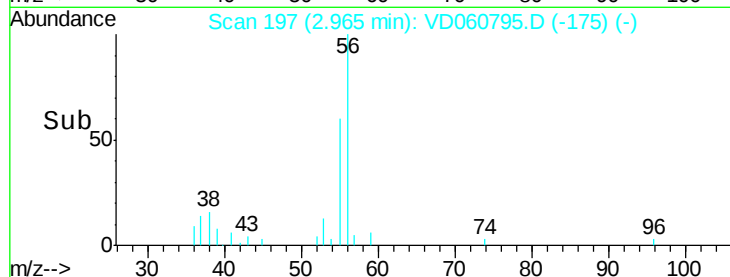
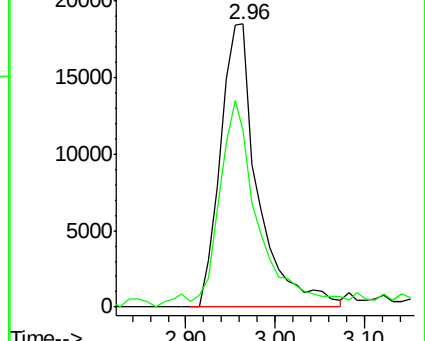
56 100

55 62.4 64.2 96.2#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 71.154 ug/l

RT: 3.50 min Scan# 251

Delta R.T. 0.00 min

Lab File: VD060795.D

Acq: 28 Jan 2019 17:07

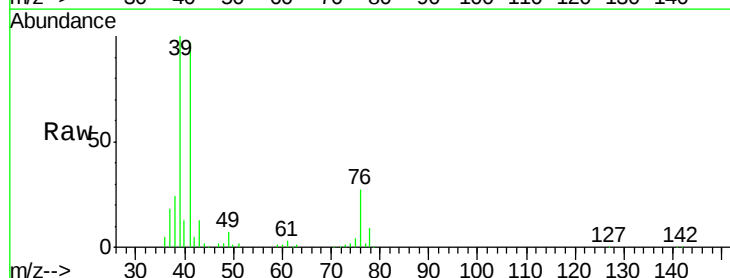
Tgt Ion: 41 Resp: 544617

Ion Ratio Lower Upper

41 100

39 102.7 82.6 123.8

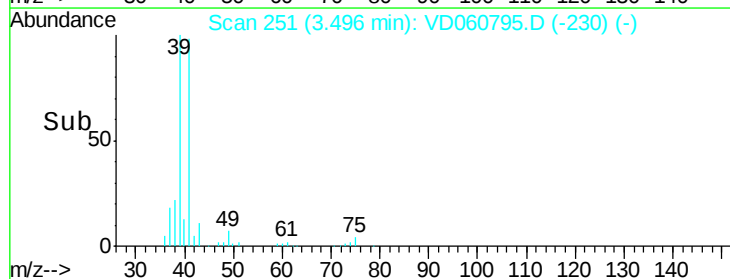
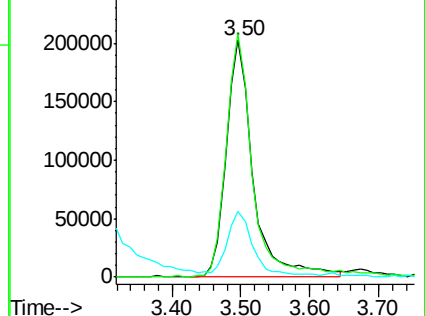
76 27.7 18.9 28.3

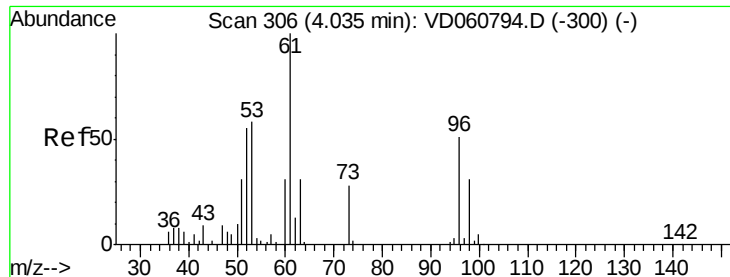


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 349.970 ug/l

RT: 4.04 min Scan# 306

Delta R.T. 0.00 min

Lab File: VD060795.D

Acq: 28 Jan 2019 17:07

Instrument :

MSVOA_D

ClientSampleId :

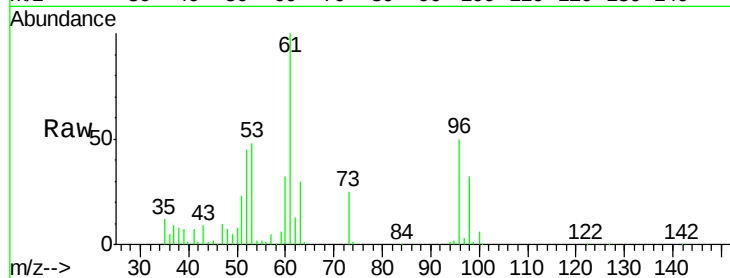
Tgt Ion: 53 Resp: 358715

Ion Ratio Lower Upper

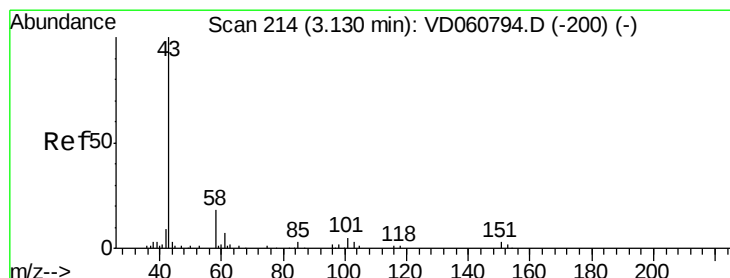
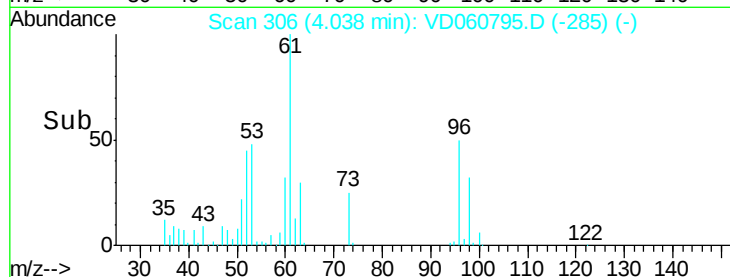
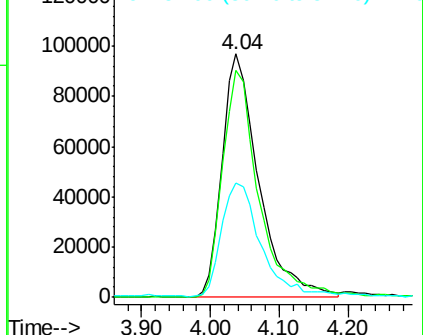
53 100

52 93.1 75.4 113.2

51 46.8 42.5 63.7



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: 336.035 ug/l

RT: 3.13 min Scan# 214

Delta R.T. 0.00 min

Lab File: VD060795.D

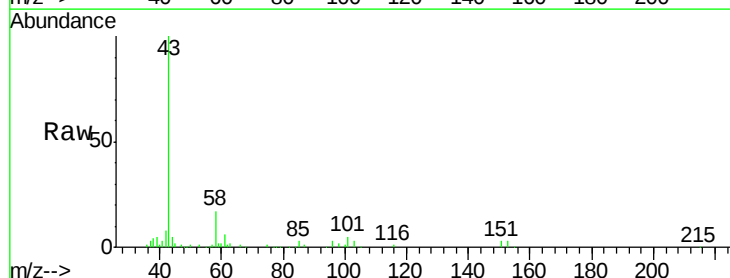
Acq: 28 Jan 2019 17:07

Tgt Ion: 43 Resp: 462817

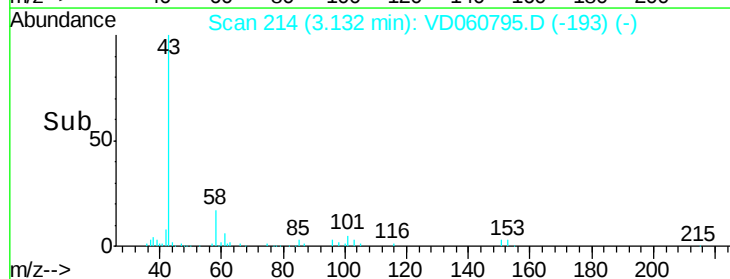
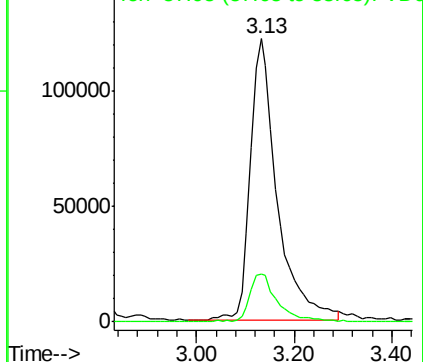
Ion Ratio Lower Upper

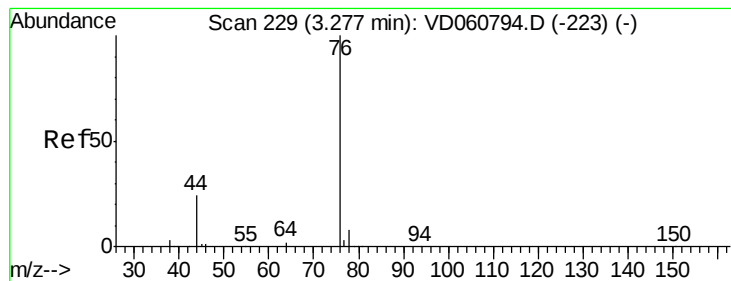
43 100

58 16.8 14.5 21.7



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





#17

Carbon Disulfide

Concen: 70.608 ug/l

RT: 3.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VD060795.D

Acq: 28 Jan 2019 17:07

Instrument :

MSVOA_D

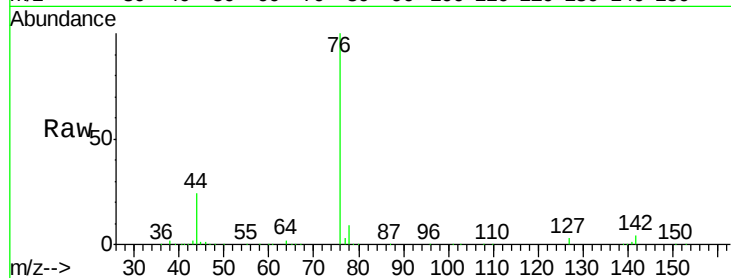
ClientSampled :

Tgt Ion: 76 Resp: 822615

Ion Ratio Lower Upper

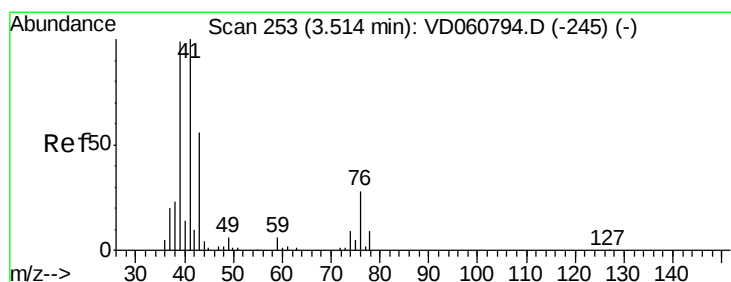
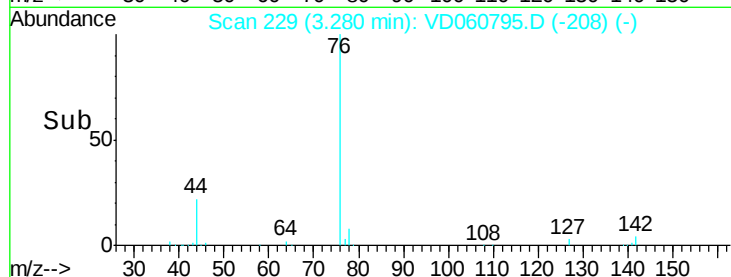
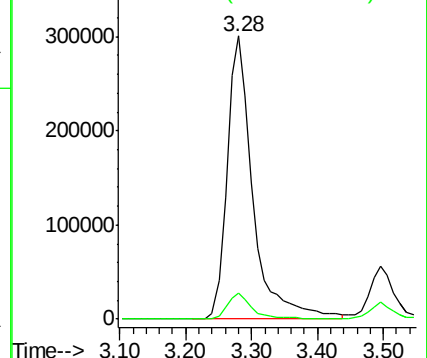
76 100

78 9.4 6.5 9.7



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 70.548 ug/l

RT: 3.52 min Scan# 253

Delta R.T. 0.00 min

Lab File: VD060795.D

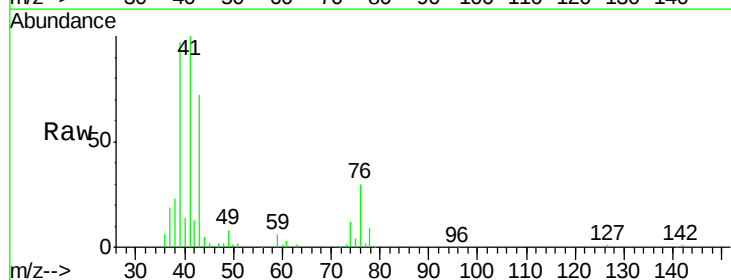
Acq: 28 Jan 2019 17:07

Tgt Ion: 43 Resp: 193359

Ion Ratio Lower Upper

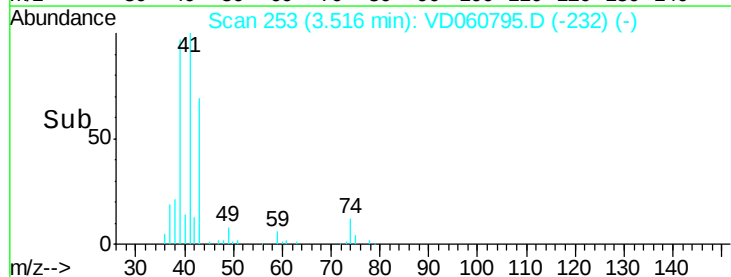
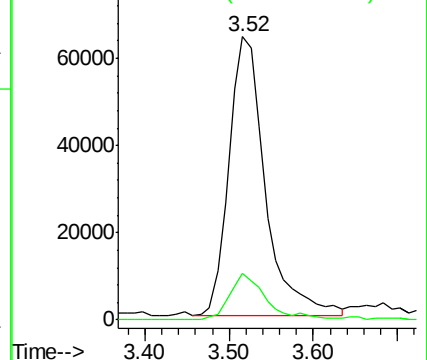
43 100

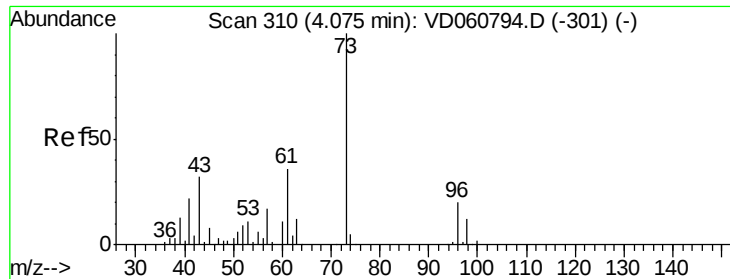
74 16.5 12.5 18.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

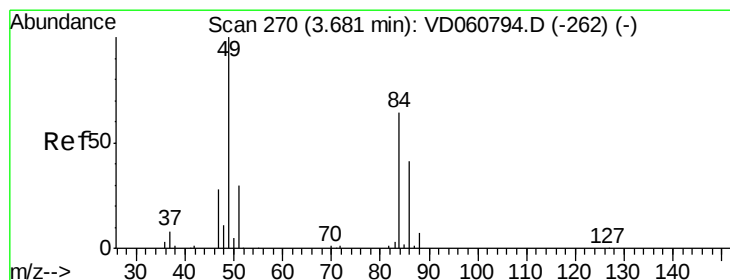
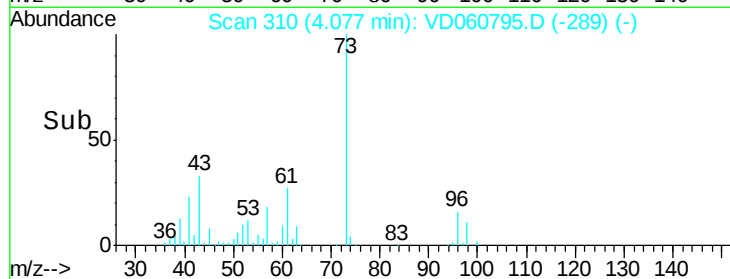
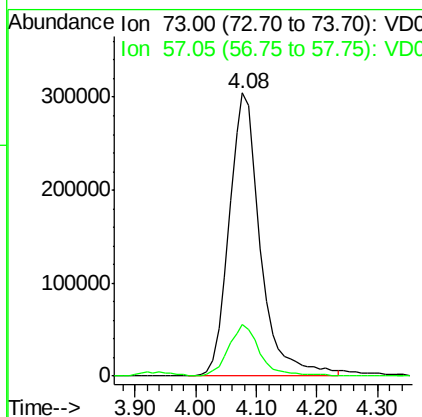
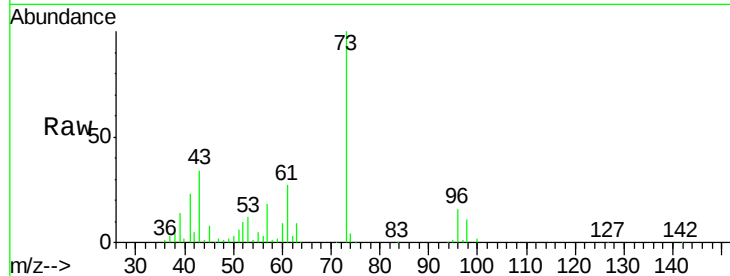




#19
Methyl tert-butyl Ether
Concen: 72.477 ug/l
RT: 4.08 min Scan# 310
Delta R.T. 0.00 min
Lab File: VD060795.D
Acq: 28 Jan 2019 17:07

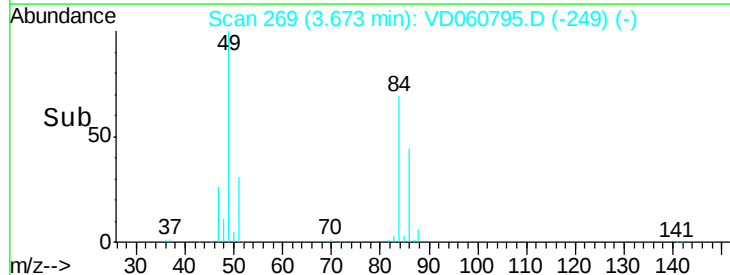
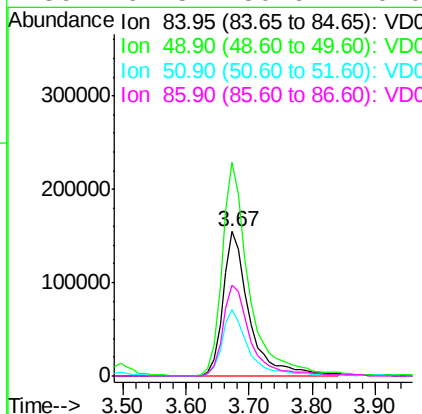
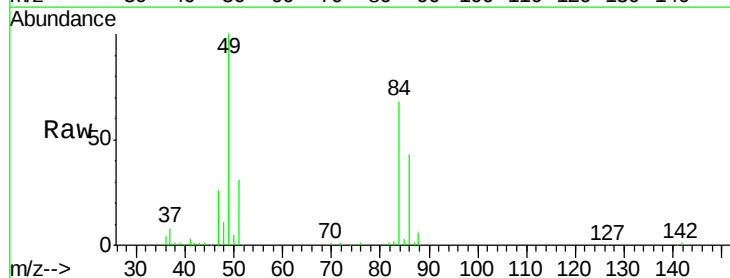
Instrument :
MSVOA_D
ClientSampleId :

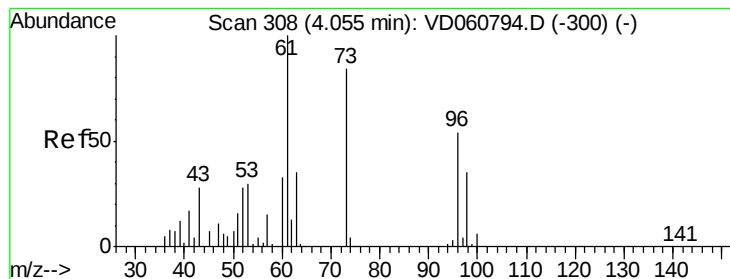
Tgt Ion: 73 Resp: 1088293
Ion Ratio Lower Upper
73 100
57 18.4 14.0 21.0



#20
Methylene Chloride
Concen: 63.635 ug/l
RT: 3.67 min Scan# 269
Delta R.T. -0.01 min
Lab File: VD060795.D
Acq: 28 Jan 2019 17:07

Tgt Ion: 84 Resp: 448464
Ion Ratio Lower Upper
84 100
49 147.7 124.2 186.2
51 45.7 38.1 57.1
86 62.8 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 68.245 ug/l

RT: 4.05 min Scan# 307

Delta R.T. -0.01 min

Lab File: VD060795.D

Acq: 28 Jan 2019 17:07

Instrument :

MSVOA_D

ClientSampleId :

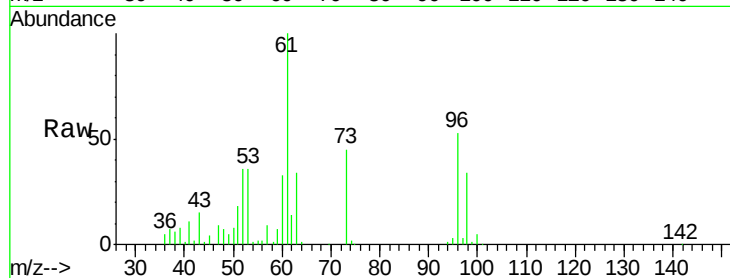
Tgt Ion: 96 Resp: 395685

Ion Ratio Lower Upper

96 100

61 188.7 147.4 221.2

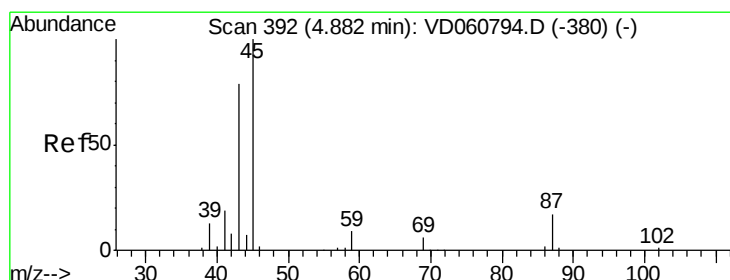
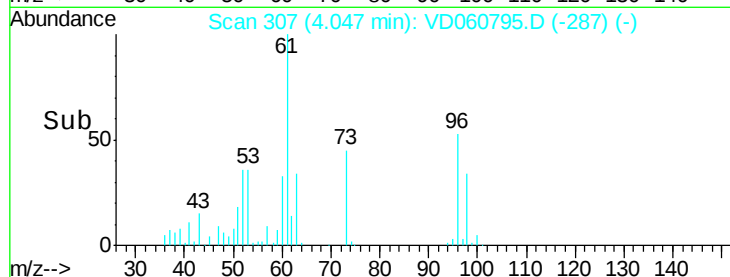
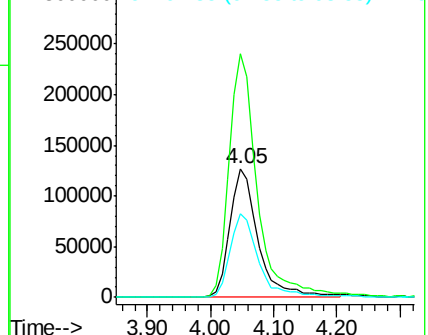
98 64.5 51.5 77.3



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: 73.554 ug/l

RT: 4.89 min Scan# 393

Delta R.T. 0.01 min

Lab File: VD060795.D

Acq: 28 Jan 2019 17:07

Tgt Ion: 45 Resp: 1450762

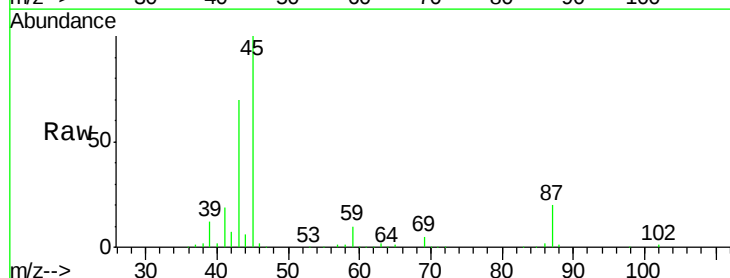
Ion Ratio Lower Upper

45 100

43 70.0 64.3 96.5

87 19.9 14.3 21.5

59 10.3 7.8 11.8

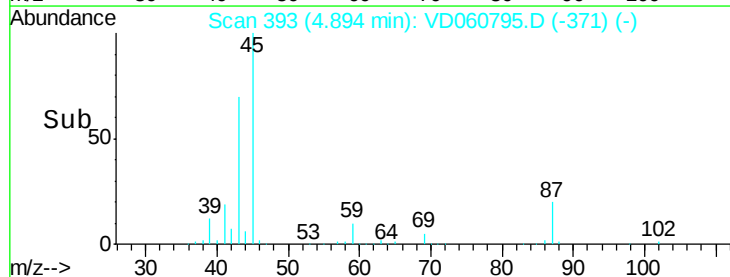
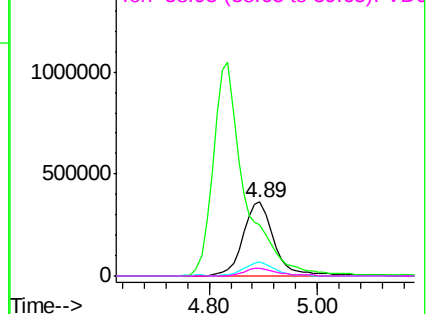


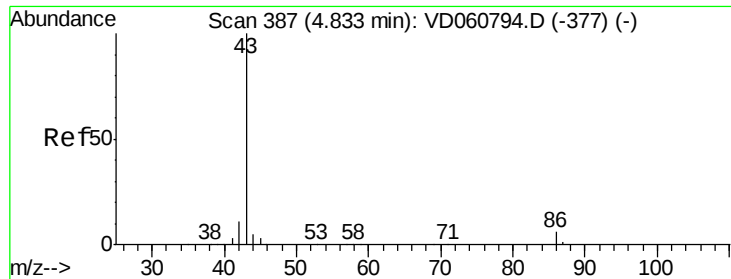
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 369.751 ug/l

RT: 4.83 min Scan# 387

Delta R.T. 0.00 min

Lab File: VD060795.D

Acq: 28 Jan 2019 17:07

Instrument :

MSVOA_D

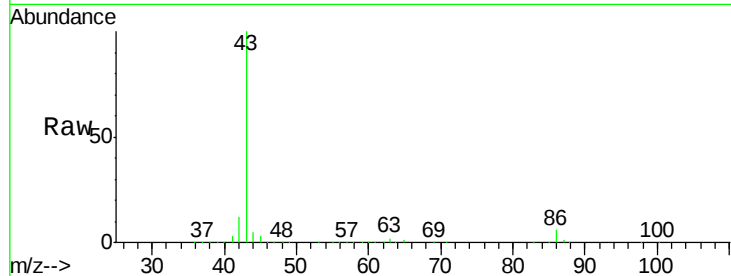
ClientSampleId :

Tgt Ion: 43 Resp: 4199735

Ion Ratio Lower Upper

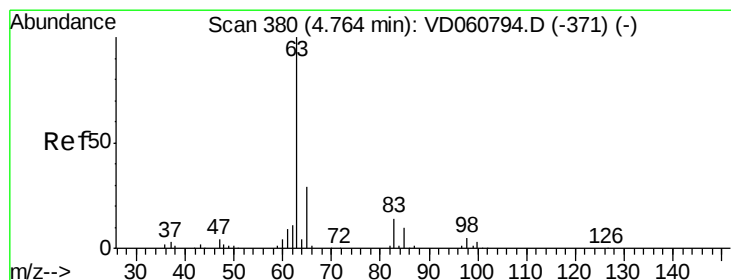
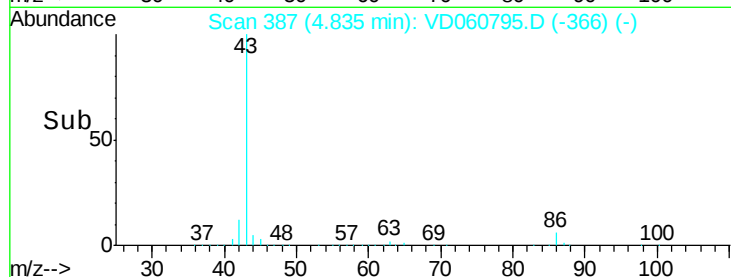
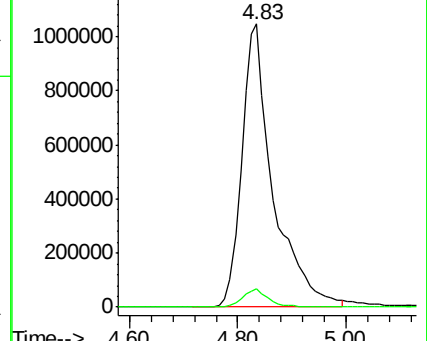
43 100

86 6.5 4.7 7.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 70.869 ug/l

RT: 4.76 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD060795.D

Acq: 28 Jan 2019 17:07

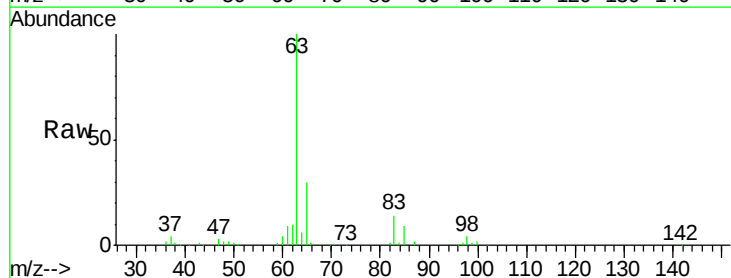
Tgt Ion: 63 Resp: 915059

Ion Ratio Lower Upper

63 100

98 3.7 2.3 6.9

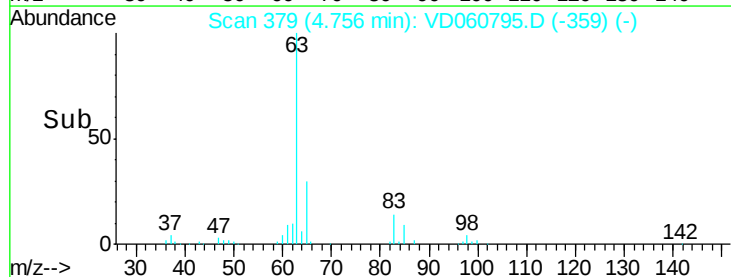
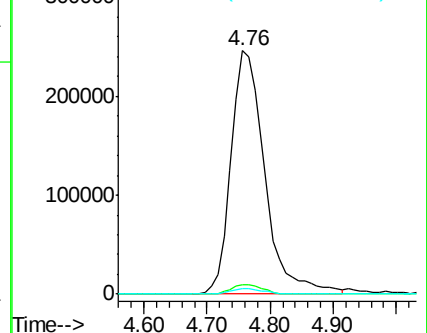
100 2.4 1.3 3.8

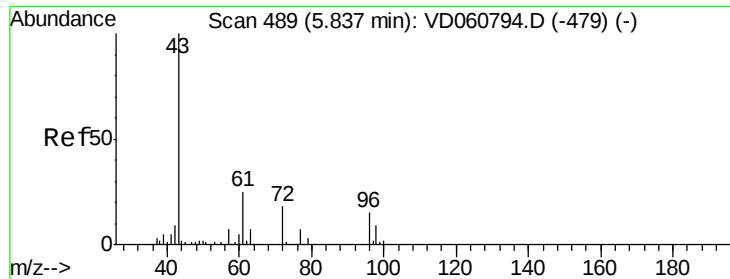


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 397.523 ug/l

RT: 5.84 min Scan# 489

Delta R.T. 0.00 min

Lab File: VD060795.D

Acq: 28 Jan 2019 17:07

Instrument :

MSVOA_D

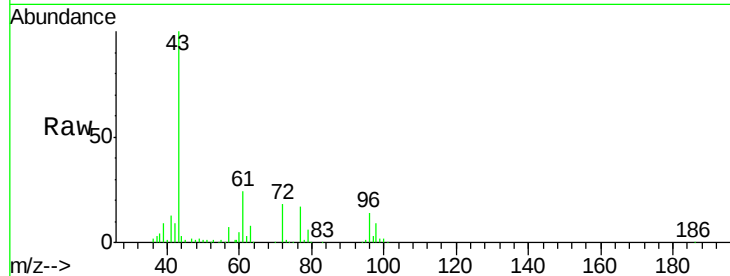
ClientSampleId :

Tgt Ion: 43 Resp: 703469

Ion Ratio Lower Upper

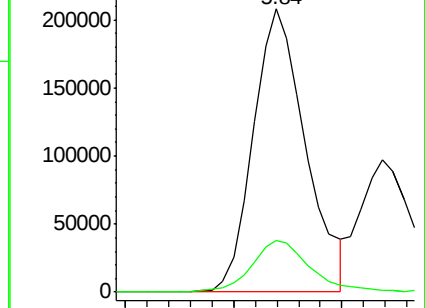
43 100

72 18.2 14.4 21.6

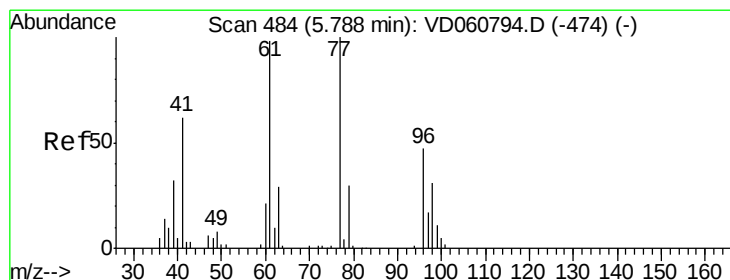
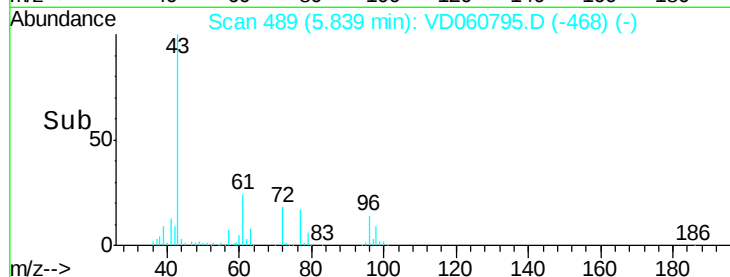


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



Time--> 5.70 5.80 5.90



#26

2,2-Dichloropropane

Concen: 70.403 ug/l

RT: 5.79 min Scan# 484

Delta R.T. 0.00 min

Lab File: VD060795.D

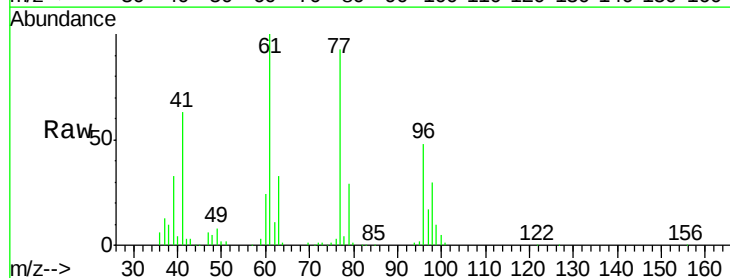
Acq: 28 Jan 2019 17:07

Tgt Ion: 77 Resp: 957829

Ion Ratio Lower Upper

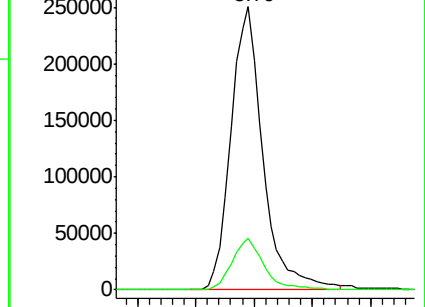
77 100

97 18.2 8.3 24.9

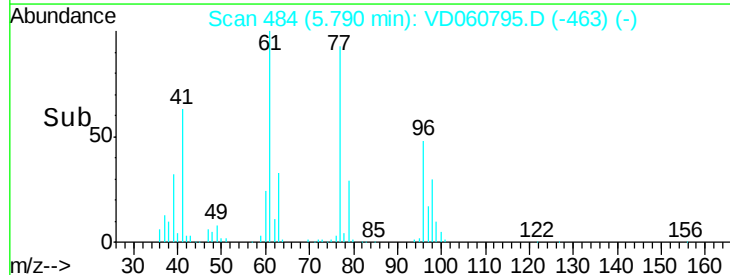


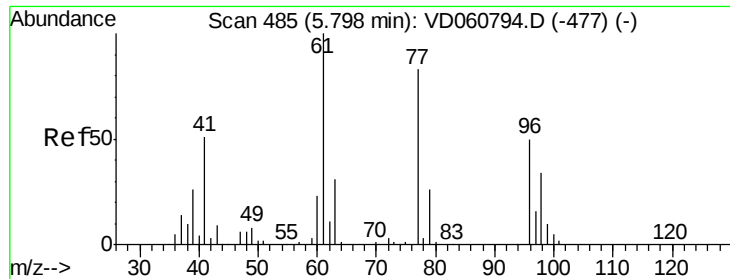
Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



Time--> 5.60 5.70 5.80 5.90 6.00

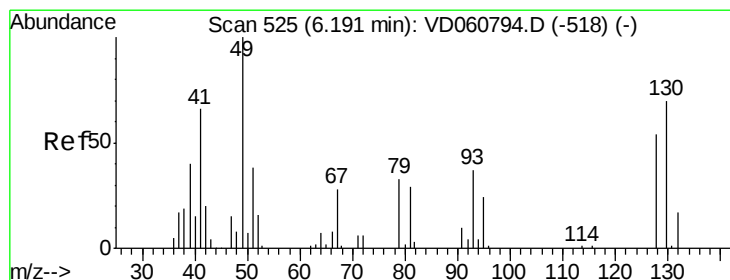
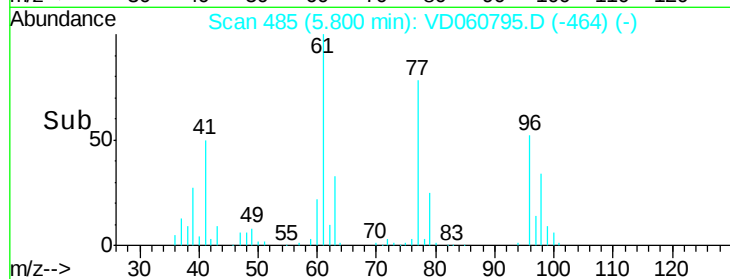
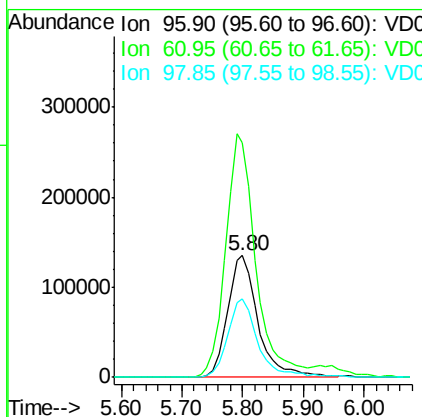
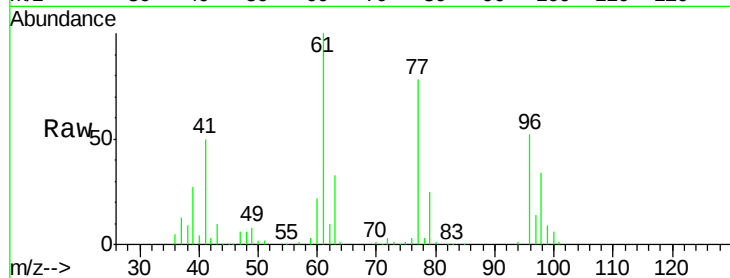




#27
 cis-1,2-Dichloroethene
 Concen: 71.100 ug/l
 RT: 5.80 min Scan# 485
 Delta R.T. 0.00 min
 Lab File: VD060795.D
 Acq: 28 Jan 2019 17:07

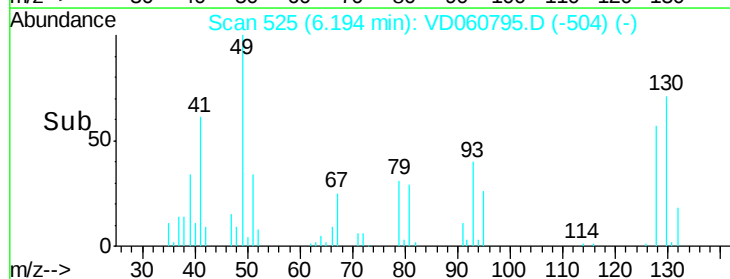
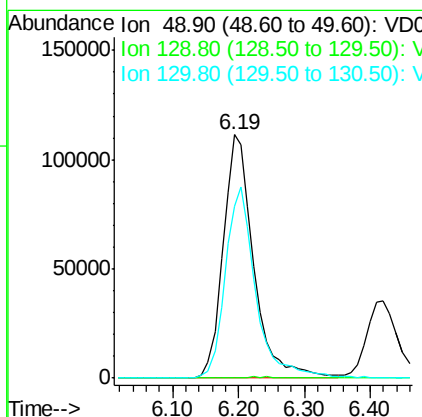
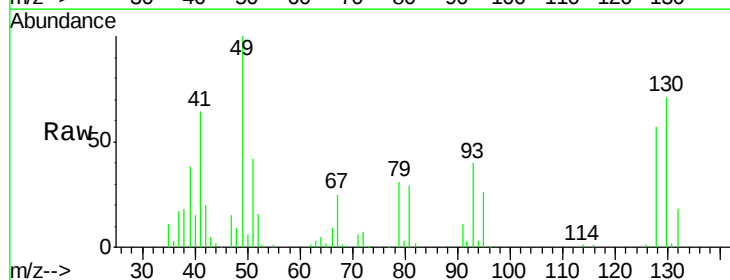
Instrument :
 MSVOA_D
 ClientSampled :

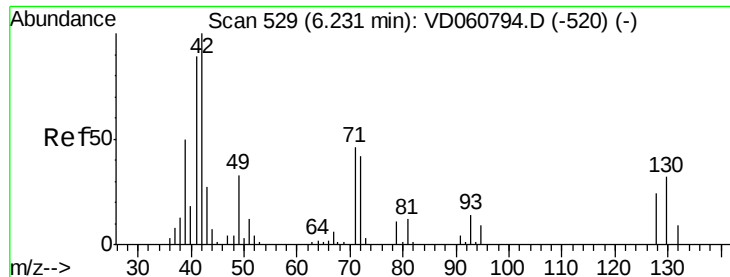
Tgt Ion: 96 Resp: 469516
 Ion Ratio Lower Upper
 96 100
 61 193.6 0.0 400.0
 98 65.1 0.0 136.4



#28
 Bromochloromethane
 Concen: 71.694 ug/l
 RT: 6.19 min Scan# 525
 Delta R.T. 0.00 min
 Lab File: VD060795.D
 Acq: 28 Jan 2019 17:07

Tgt Ion: 49 Resp: 361122
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 0.0
 130 70.7 56.1 84.1

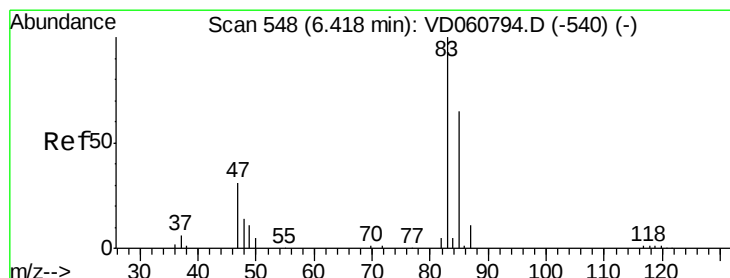
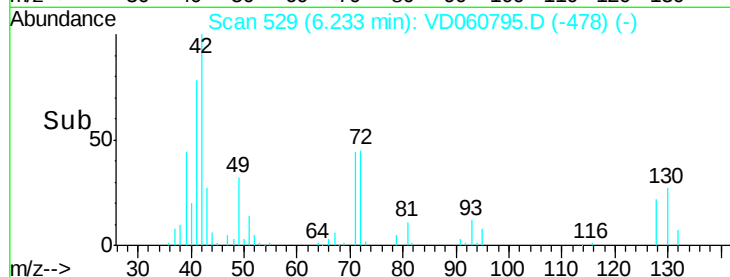
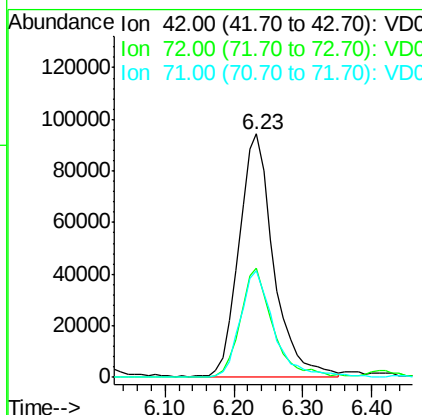
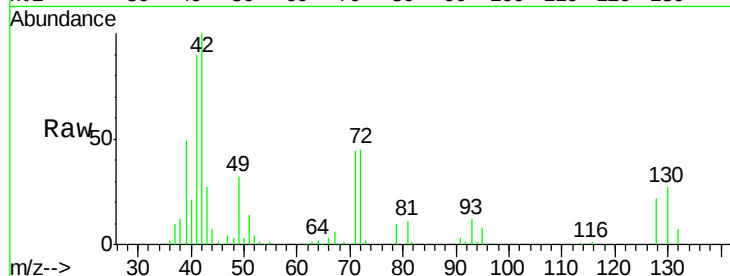




#29
Tetrahydrofuran
Concen: 382.621 ug/l
RT: 6.23 min Scan# 529
Delta R.T. 0.00 min
Lab File: VD060795.D
Acq: 28 Jan 2019 17:07

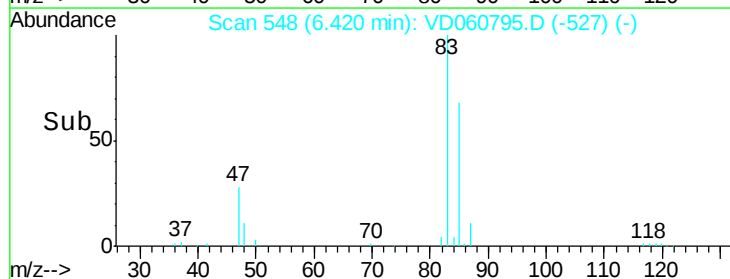
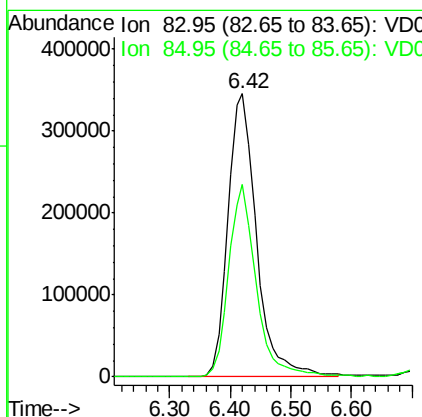
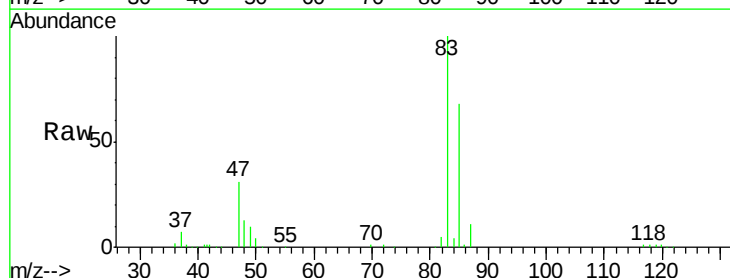
Instrument :
MSVOA_D
ClientSampleId :

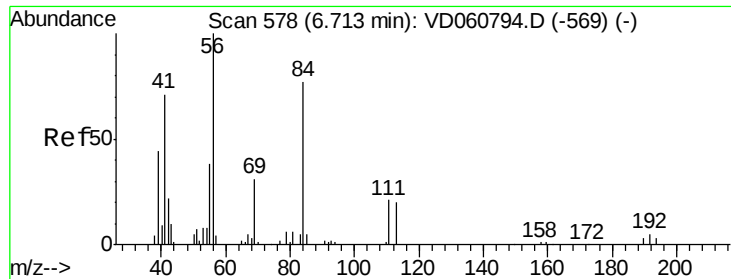
Tgt Ion: 42 Resp: 325157
Ion Ratio Lower Upper
42 100
72 42.7 32.8 49.2
71 43.5 34.6 52.0



#30
Chloroform
Concen: 74.457 ug/l
RT: 6.42 min Scan# 548
Delta R.T. 0.00 min
Lab File: VD060795.D
Acq: 28 Jan 2019 17:07

Tgt Ion: 83 Resp: 1136305
Ion Ratio Lower Upper
83 100
85 67.8 52.3 78.5

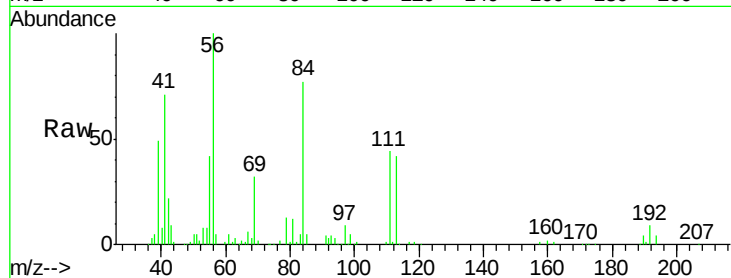




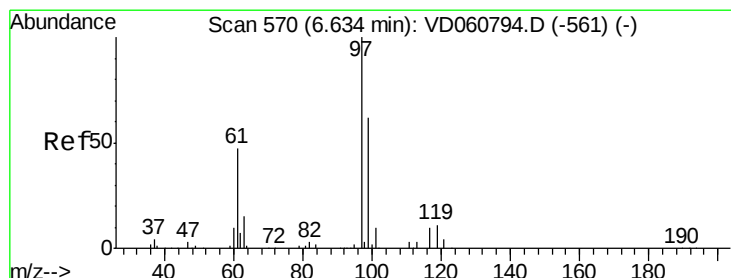
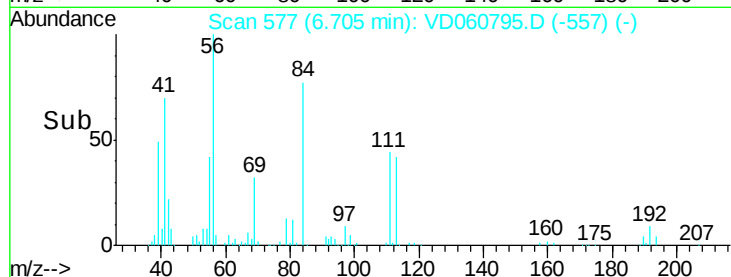
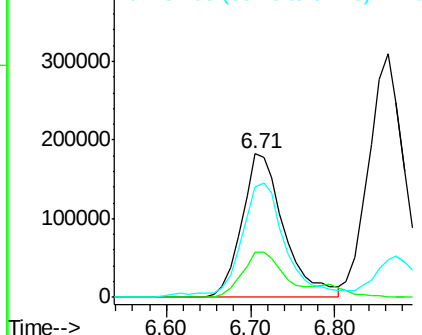
#31
Cyclohexane
Concen: 72.731 ug/l
RT: 6.71 min Scan# 577
Delta R.T. -0.01 min
Lab File: VD060795.D
Acq: 28 Jan 2019 17:07

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 56 Resp: 638954
Ion Ratio Lower Upper
56 100
69 31.7 25.1 37.7
84 77.0 63.9 95.9

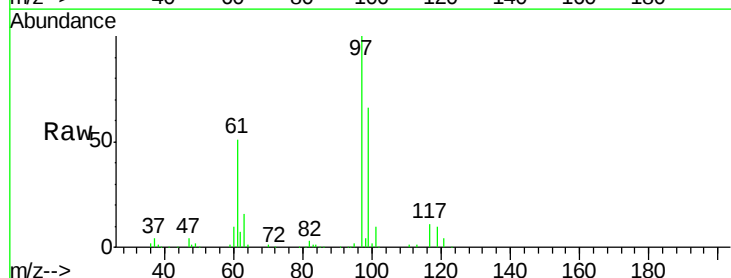


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

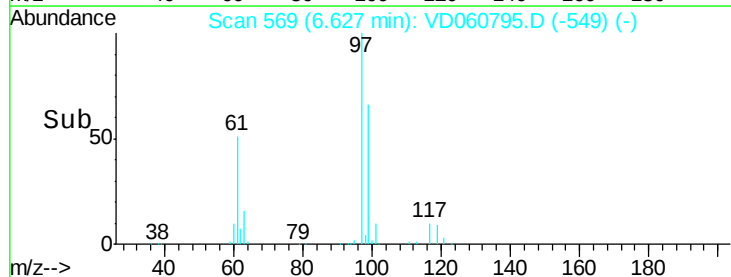
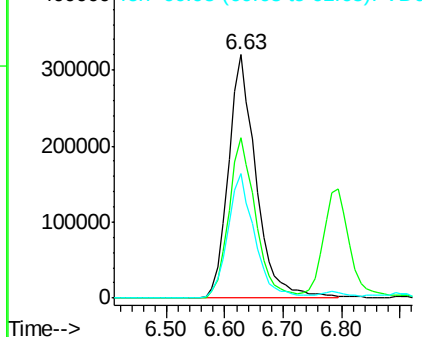


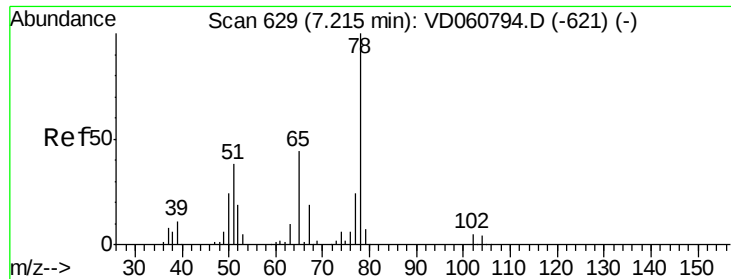
#32
1,1,1-Trichloroethane
Concen: 71.955 ug/l
RT: 6.63 min Scan# 569
Delta R.T. -0.01 min
Lab File: VD060795.D
Acq: 28 Jan 2019 17:07

Tgt Ion: 97 Resp: 1057484
Ion Ratio Lower Upper
97 100
99 65.9 49.6 74.4
61 51.0 37.4 56.2



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





#33

1,2-Dichloroethane-d4

Concen: 71.955 ug/l

RT: 7.22 min Scan# 629

Delta R.T. 0.00 min

Lab File: VD060795.D

Acq: 28 Jan 2019 17:07

Instrument :

MSVOA_D

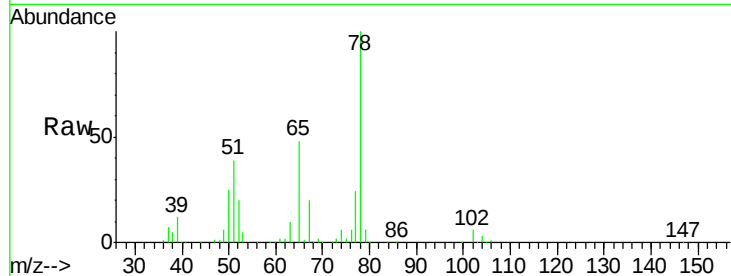
ClientSampleId :

Tgt Ion: 65 Resp: 683265

Ion Ratio Lower Upper

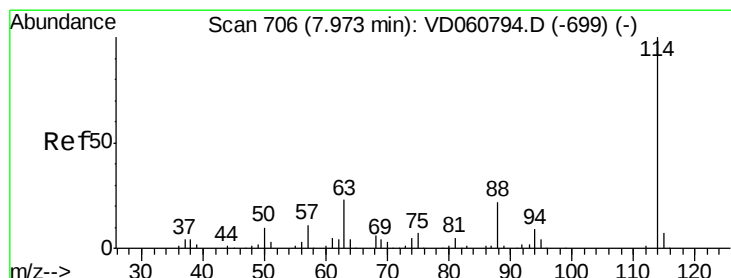
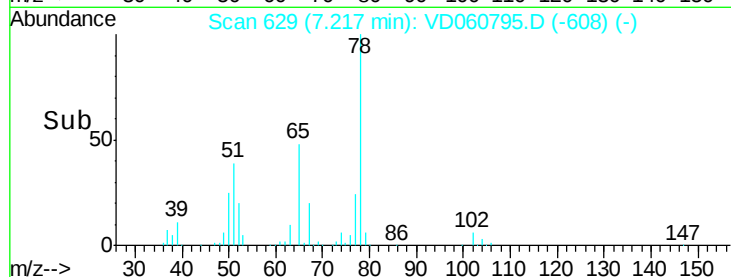
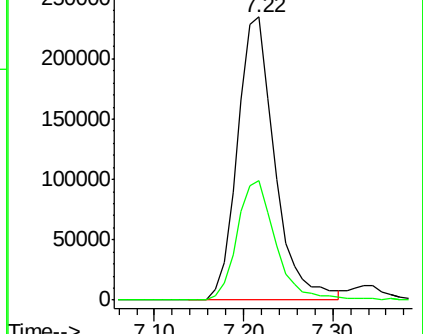
65 100

67 42.2 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 706

Delta R.T. 0.00 min

Lab File: VD060795.D

Acq: 28 Jan 2019 17:07

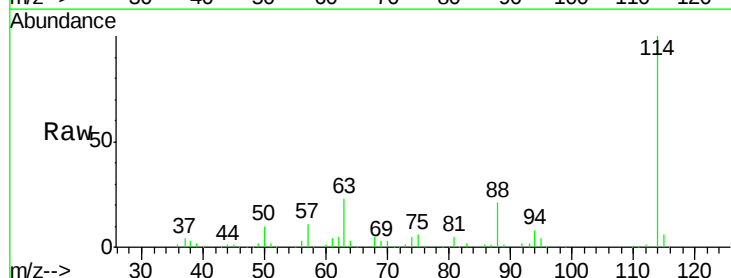
Tgt Ion: 114 Resp: 890836

Ion Ratio Lower Upper

114 100

63 22.7 0.0 46.6

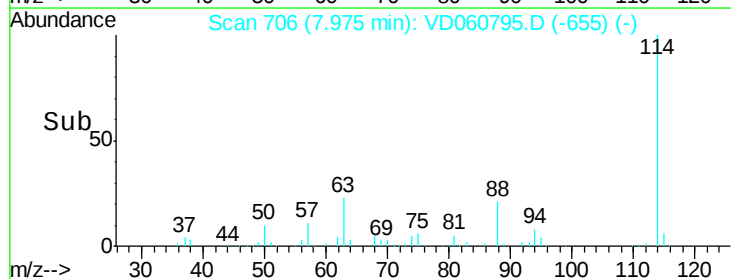
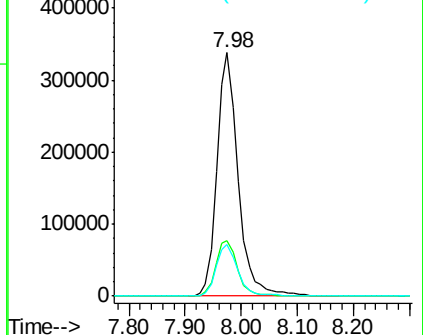
88 21.1 0.0 44.0

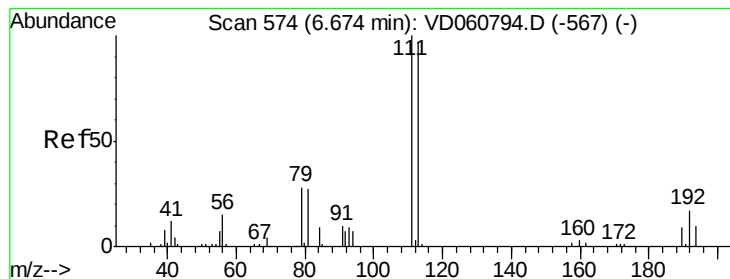


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.68 min Scan# 574

Delta R.T. 0.00 min

Lab File: VD060795.D

Acq: 28 Jan 2019 17:07

Instrument :
MSVOA_D
ClientSampled :

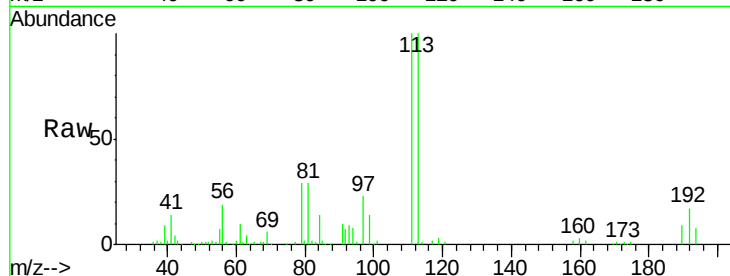
Tgt Ion: 113 Resp: 608692

Ion Ratio Lower Upper

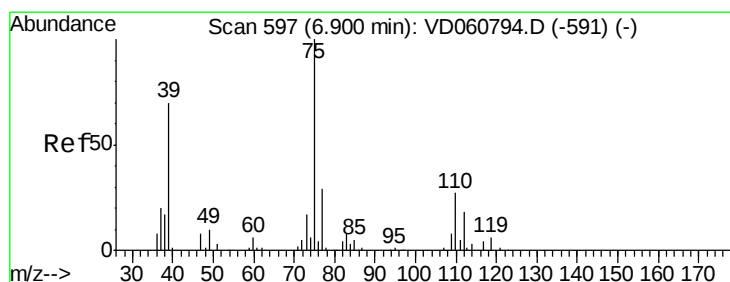
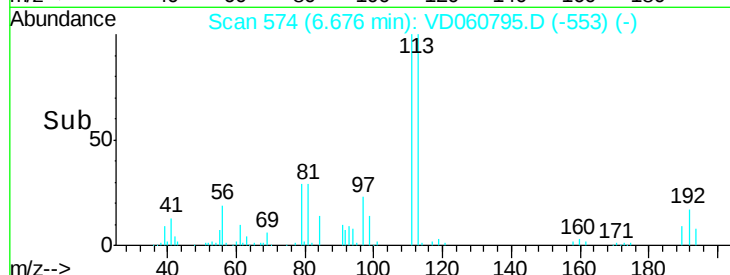
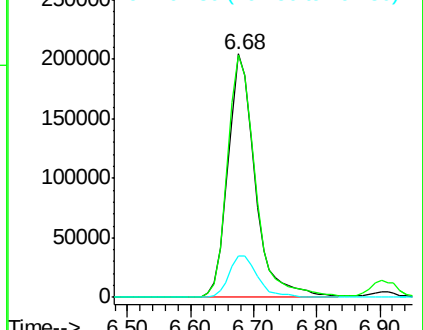
113 100

111 99.8 82.3 123.5

192 16.9 14.4 21.6



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: 71.236 ug/l

RT: 6.90 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD060795.D

Acq: 28 Jan 2019 17:07

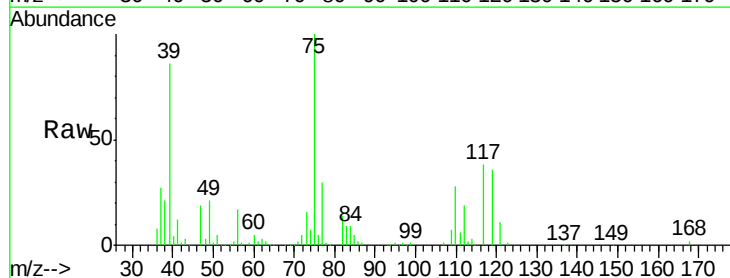
Tgt Ion: 75 Resp: 757693

Ion Ratio Lower Upper

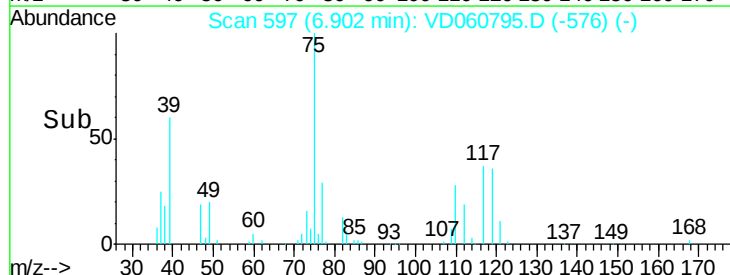
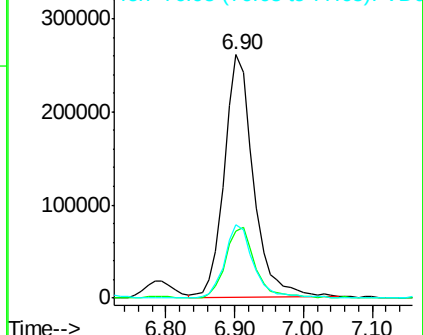
75 100

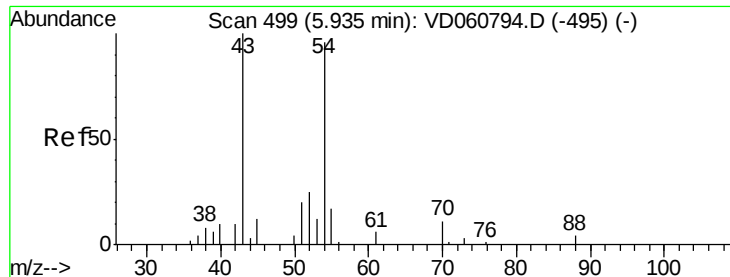
110 27.6 13.5 40.4

77 30.2 23.4 35.2



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

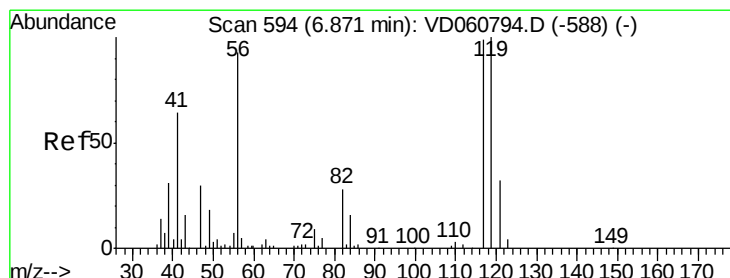
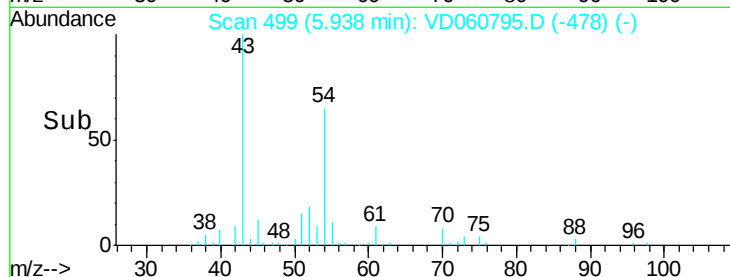
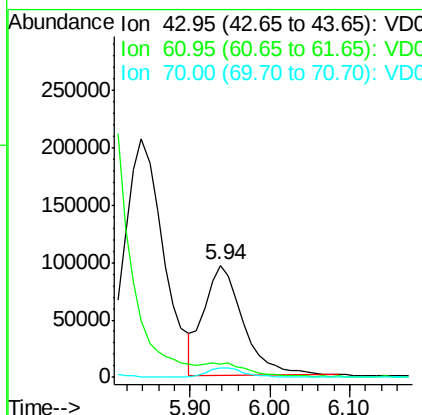
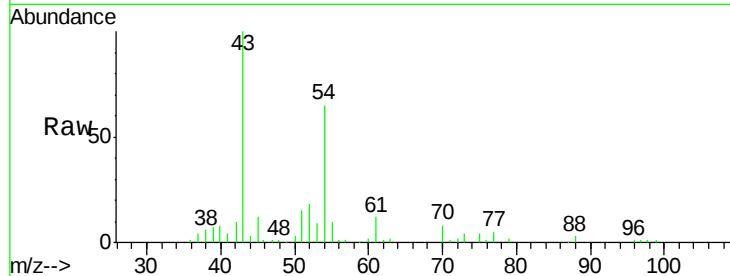




#37
 Ethyl Acetate
 Concen: 69.833 ug/l
 RT: 5.94 min Scan# 499
 Delta R.T. 0.00 min
 Lab File: VD060795.D
 Acq: 28 Jan 2019 17:07

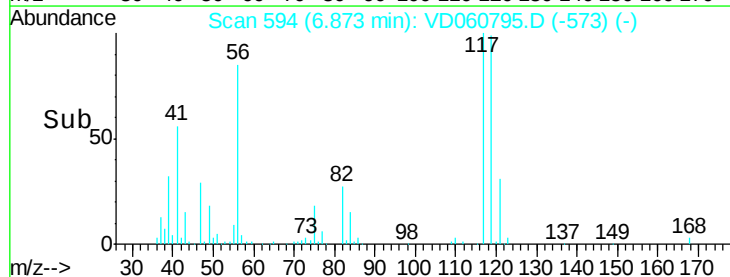
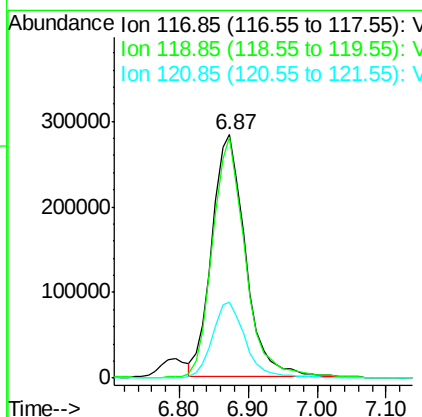
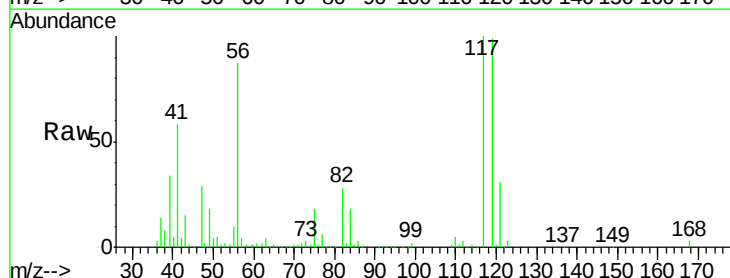
Instrument :
 MSVOA_D
 ClientSampled :

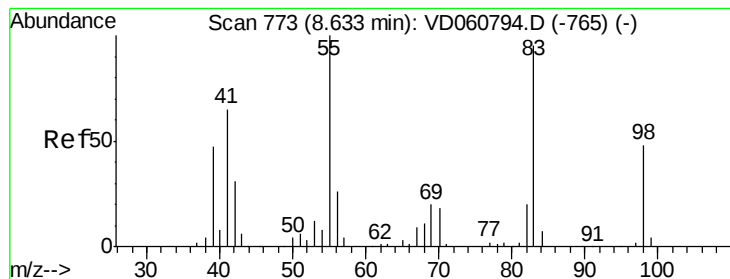
Tgt Ion: 43 Resp: 331566
 Ion Ratio Lower Upper
 43 100
 61 11.7 12.3 18.5#
 70 8.0 7.4 11.0



#38
 Carbon Tetrachloride
 Concen: 71.469 ug/l
 RT: 6.87 min Scan# 594
 Delta R.T. 0.00 min
 Lab File: VD060795.D
 Acq: 28 Jan 2019 17:07

Tgt Ion: 117 Resp: 953233
 Ion Ratio Lower Upper
 117 100
 119 99.0 75.6 113.4
 121 31.0 23.4 35.2





#39

Methylcyclohexane

Concen: 73.412 ug/l

RT: 8.63 min Scan# 772

Delta R.T. -0.01 min

Lab File: VD060795.D

Acq: 28 Jan 2019 17:07

Instrument :
MSVOA_D
ClientSampled :

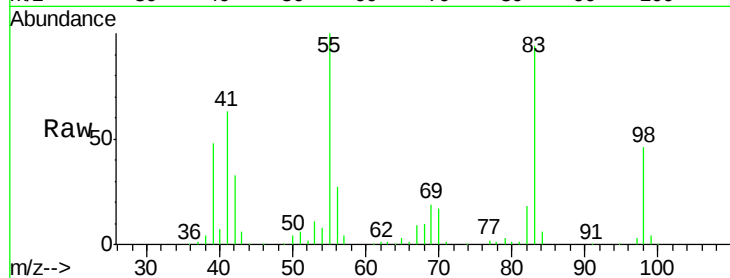
Tgt Ion: 83 Resp: 653913

Ion Ratio Lower Upper

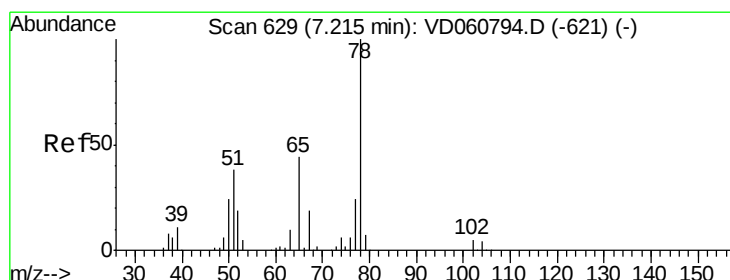
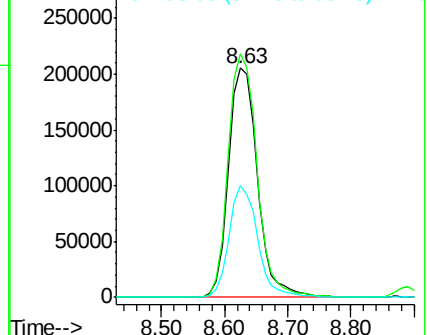
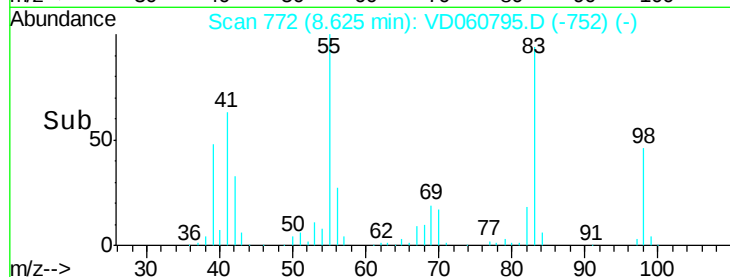
83 100

55 106.3 83.8 125.8

98 49.0 39.8 59.8



Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 70.843 ug/l

RT: 7.22 min Scan# 629

Delta R.T. 0.00 min

Lab File: VD060795.D

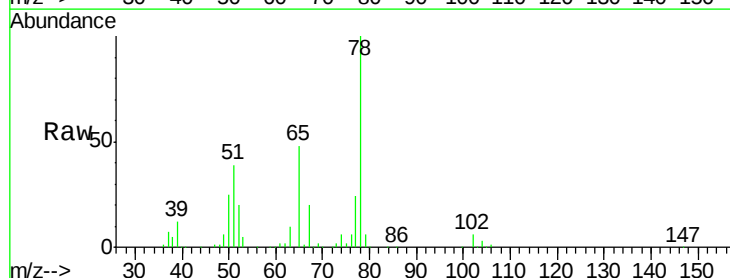
Acq: 28 Jan 2019 17:07

Tgt Ion: 78 Resp: 1487177

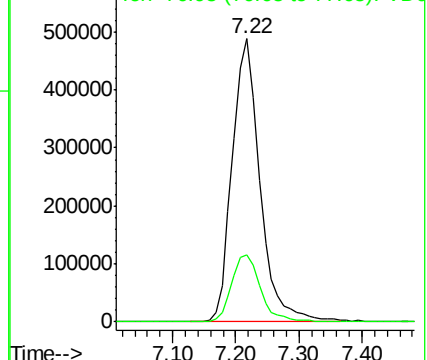
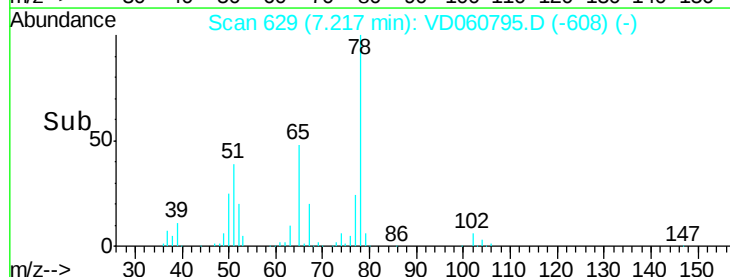
Ion Ratio Lower Upper

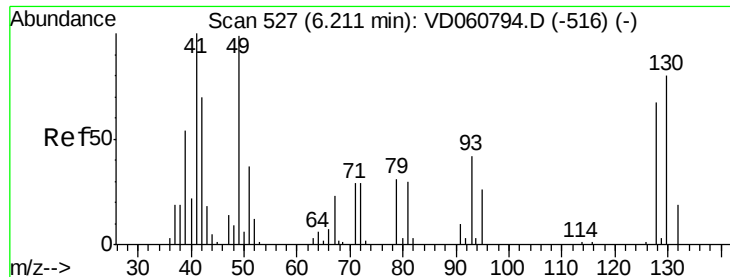
78 100

77 23.9 18.9 28.3



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 135.837 ug/l

RT: 6.22 min Scan# 528

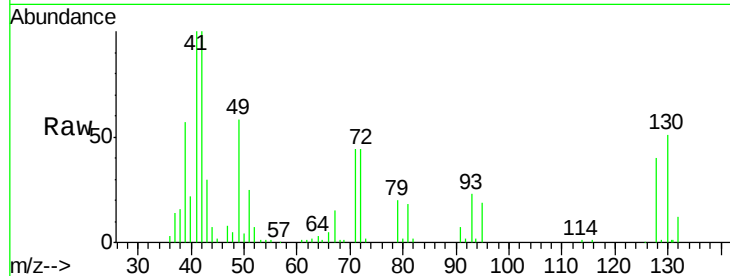
Delta R.T. 0.01 min

Lab File: VD060795.D

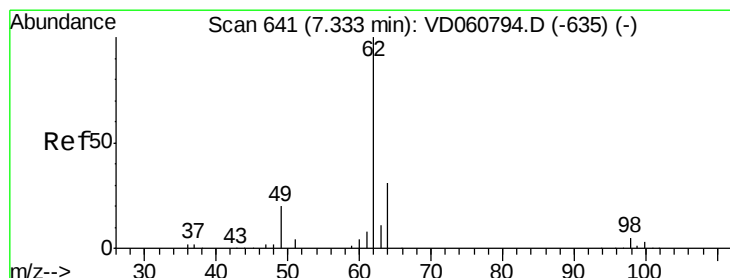
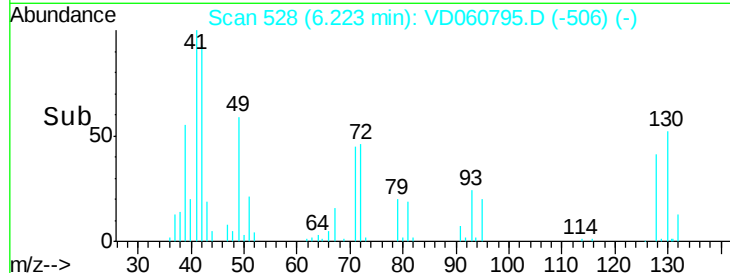
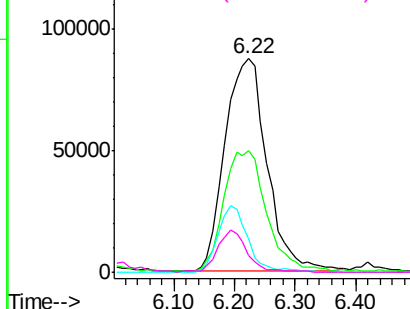
Acq: 28 Jan 2019 17:07

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:	41	Resp:	424106
Ion	Ratio	Lower	Upper
41	100		
39	57.0	43.6	65.4
67	15.5	18.5	27.7#
52	7.5	10.2	15.2#



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: 69.492 ug/l

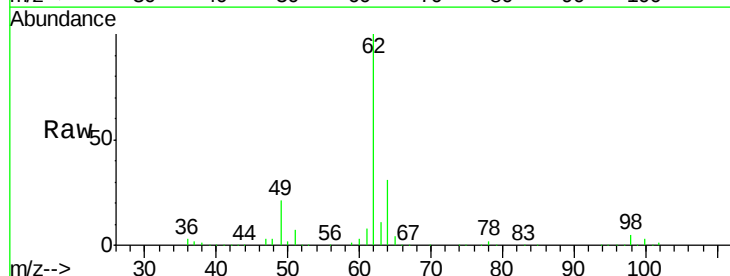
RT: 7.34 min Scan# 641

Delta R.T. 0.00 min

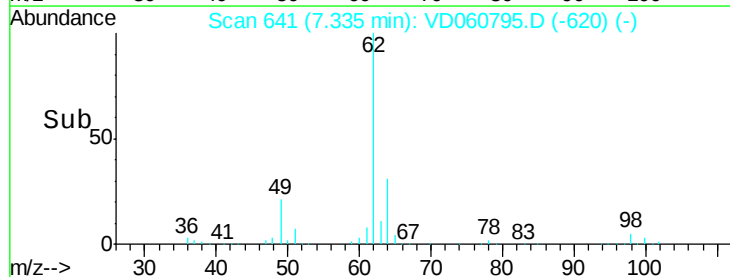
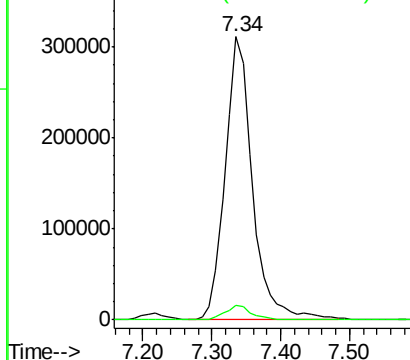
Lab File: VD060795.D

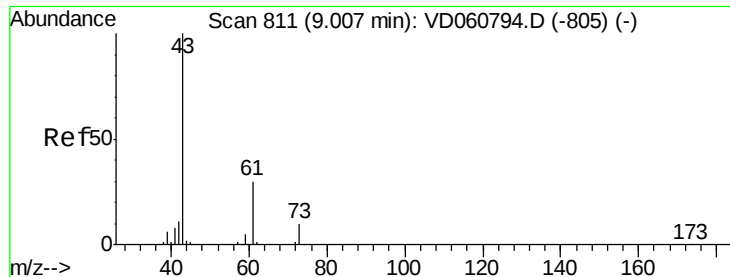
Acq: 28 Jan 2019 17:07

Tgt Ion:	62	Resp:	847482
Ion	Ratio	Lower	Upper
62	100		
98	5.2	0.0	10.2



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





#43

Isopropyl Acetate

Concen: 75.093 ug/l

RT: 9.01 min Scan# 811

Delta R.T. 0.00 min

Lab File: VD060795.D

Acq: 28 Jan 2019 17:07

Instrument :

MSVOA_D

ClientSampleId :

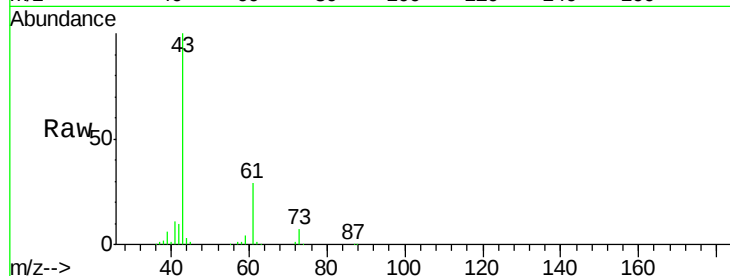
Tgt Ion: 43 Resp: 465029

Ion Ratio Lower Upper

43 100

61 29.0 24.1 36.1

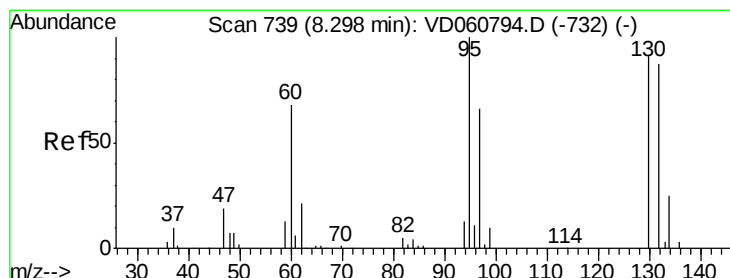
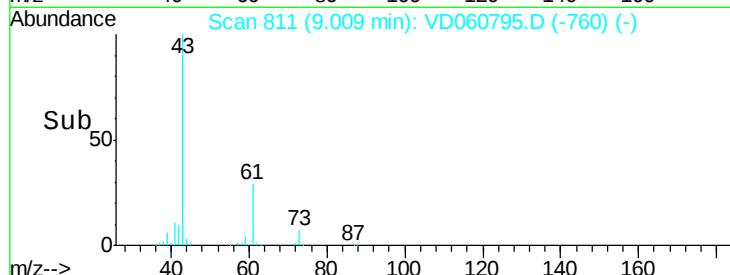
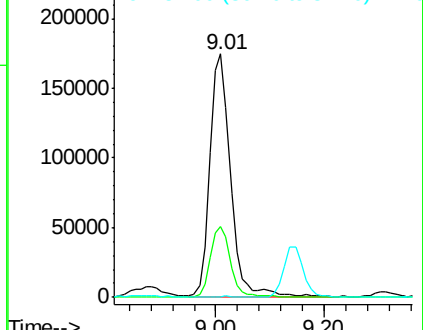
87 0.2 0.0 0.0#



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: 75.363 ug/l

RT: 8.30 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD060795.D

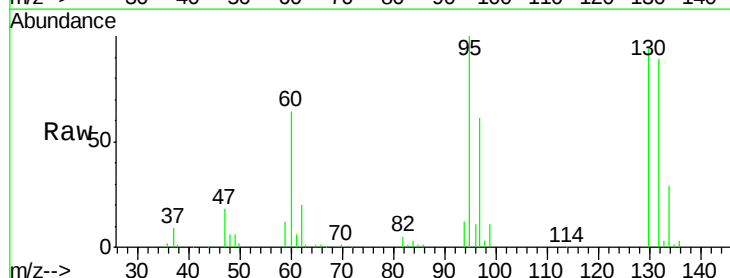
Acq: 28 Jan 2019 17:07

Tgt Ion:130 Resp: 536325

Ion Ratio Lower Upper

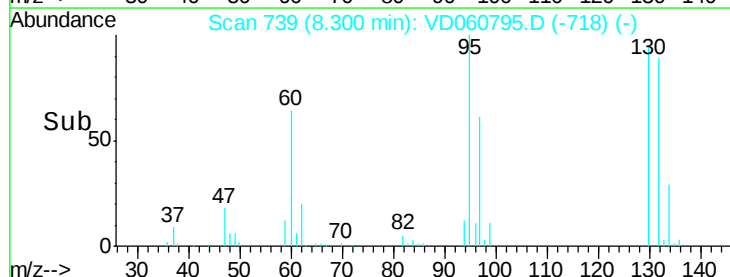
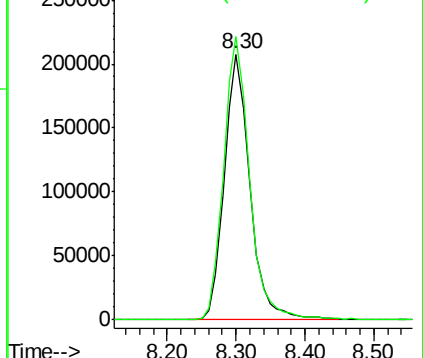
130 100

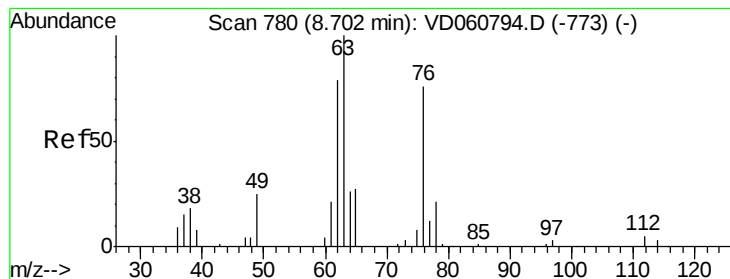
95 106.6 0.0 221.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 77.713 ug/l

RT: 8.70 min Scan# 780

Delta R.T. 0.00 min

Lab File: VD060795.D

Acq: 28 Jan 2019 17:07

Instrument :

MSVOA_D

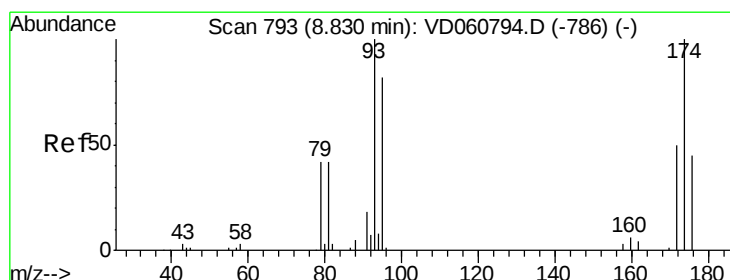
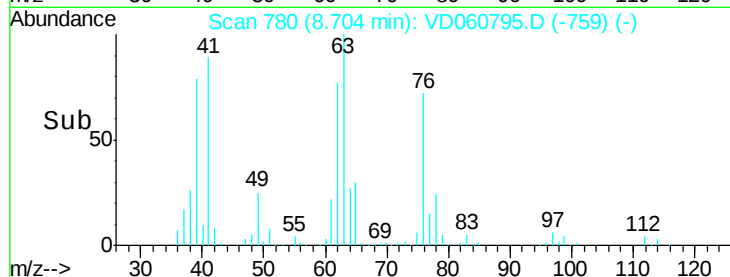
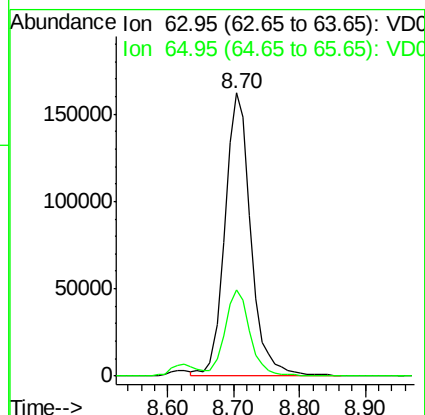
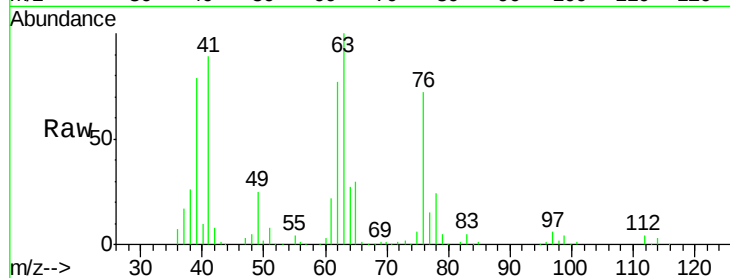
ClientSampleId :

Tgt Ion: 63 Resp: 441622

Ion Ratio Lower Upper

63 100

65 30.4 24.1 36.1



#46

Dibromomethane

Concen: 75.252 ug/l

RT: 8.83 min Scan# 793

Delta R.T. 0.00 min

Lab File: VD060795.D

Acq: 28 Jan 2019 17:07

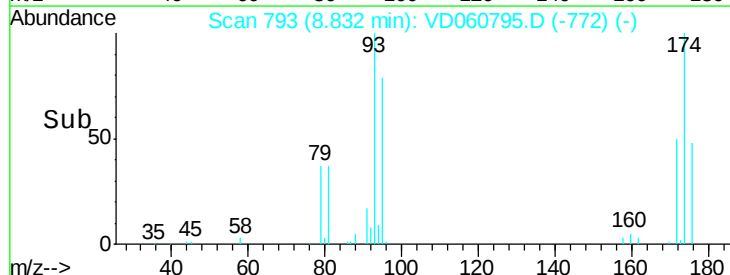
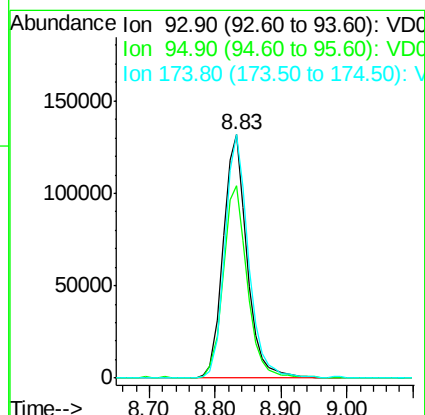
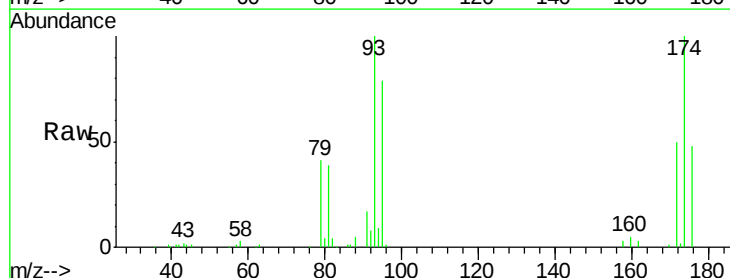
Tgt Ion: 93 Resp: 331971

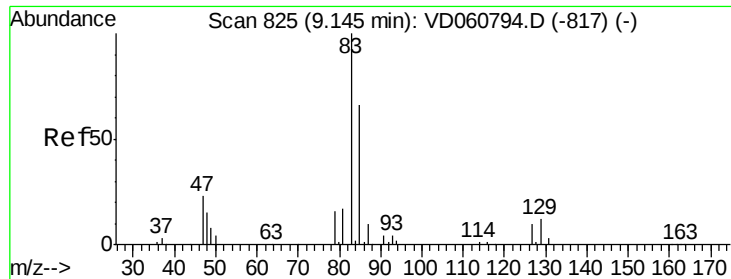
Ion Ratio Lower Upper

93 100

95 79.0 65.8 98.8

174 100.1 79.8 119.6





#47

Bromodichloromethane

Concen: 77.318 ug/l

RT: 9.14 min Scan# 824

Delta R.T. -0.01 min

Lab File: VD060795.D

Acq: 28 Jan 2019 17:07

Instrument :
MSVOA_D
ClientSampleId :

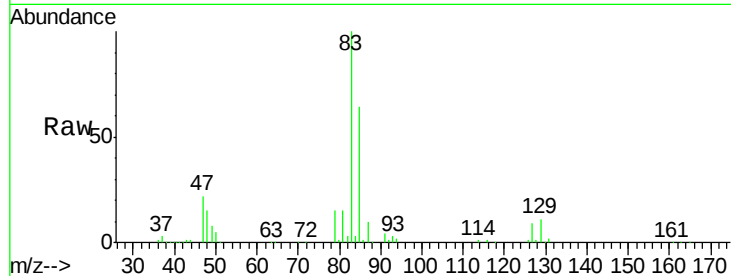
Tgt Ion: 83 Resp: 920661

Ion Ratio Lower Upper

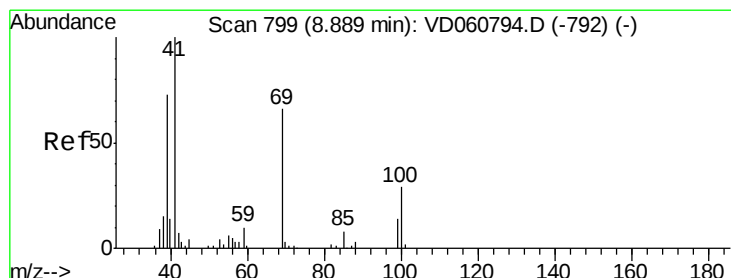
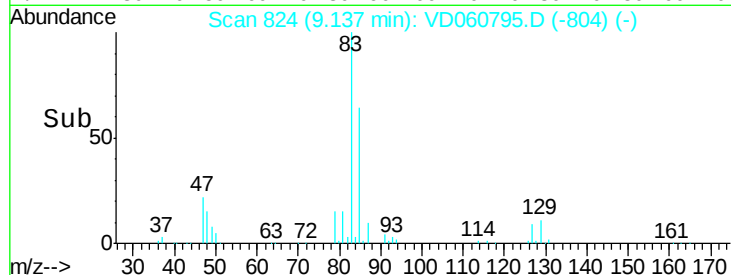
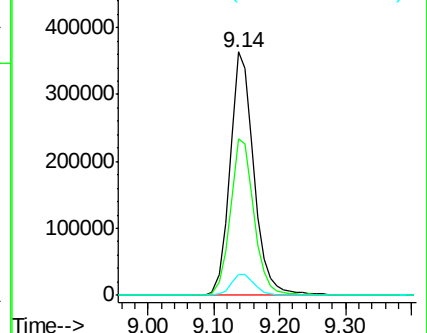
83 100

85 64.5 52.6 79.0

127 8.8 7.7 11.5



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): V



#48

Methyl methacrylate

Concen: 77.270 ug/l

RT: 8.88 min Scan# 798

Delta R.T. -0.01 min

Lab File: VD060795.D

Acq: 28 Jan 2019 17:07

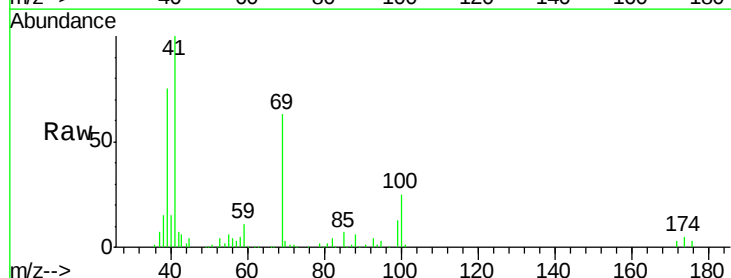
Tgt Ion: 41 Resp: 329973

Ion Ratio Lower Upper

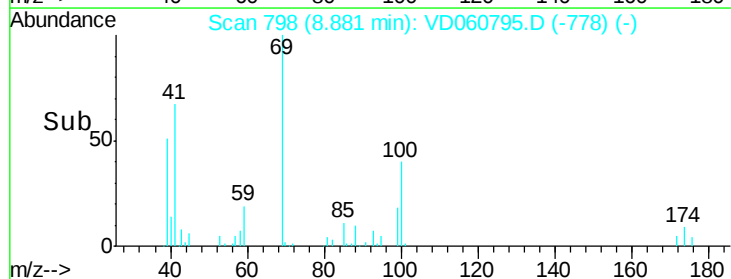
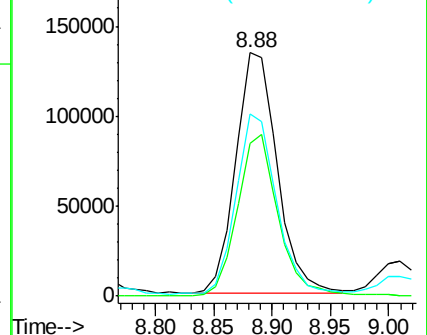
41 100

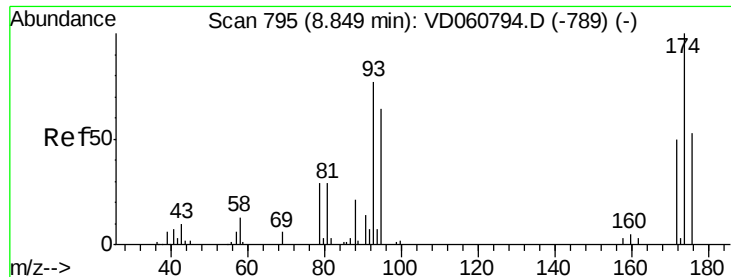
69 62.9 52.5 78.7

39 74.9 59.0 88.6



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

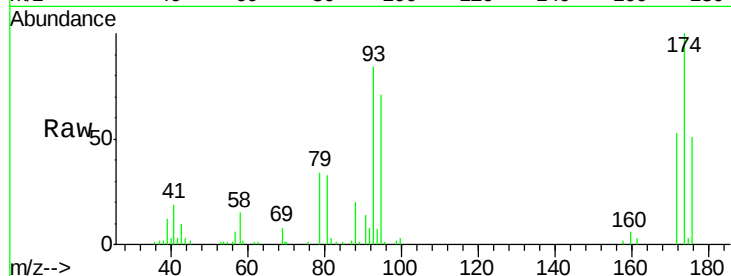




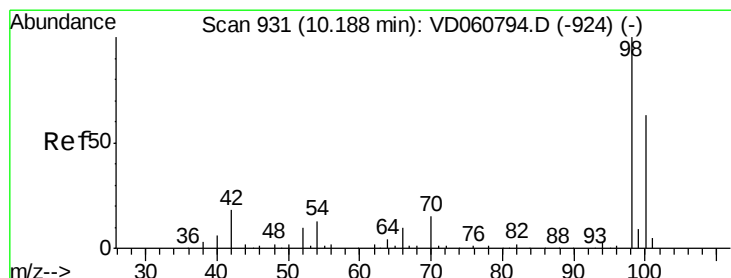
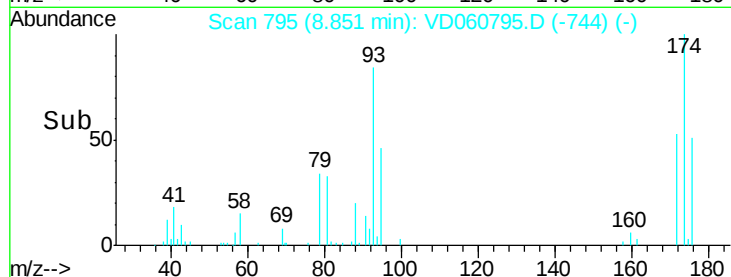
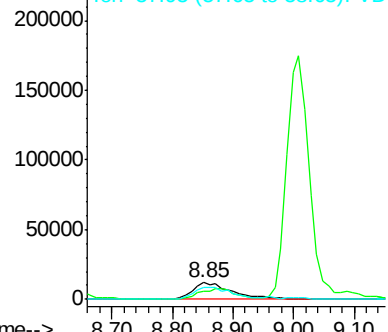
#49
1,4-Dioxane
Concen: 1670.241 ug/l
RT: 8.85 min Scan# 795
Delta R.T. 0.00 min
Lab File: VD060795.D
Acq: 28 Jan 2019 17:07

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 88 Resp: 55299
Ion Ratio Lower Upper
88 100
43 48.8 40.9 61.3
58 71.7 52.2 78.4

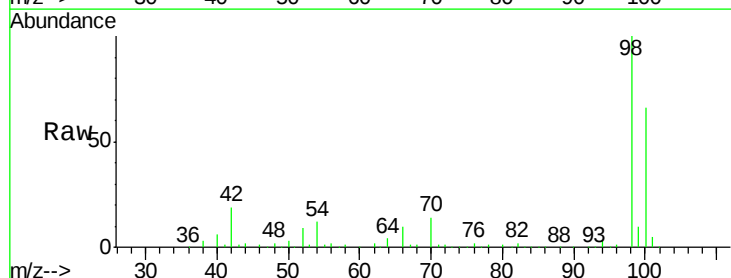


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

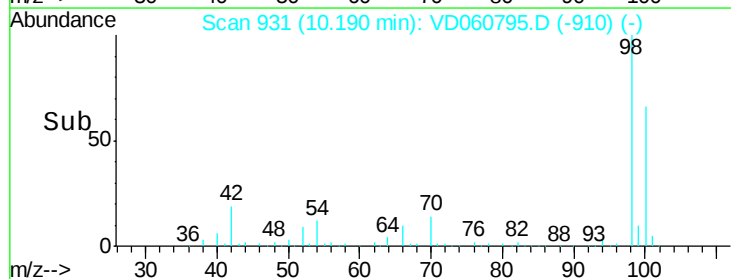
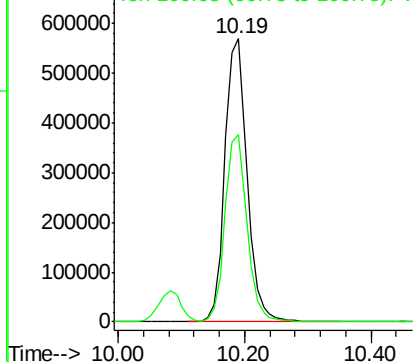


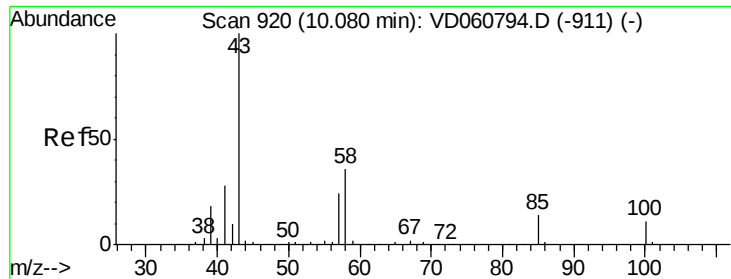
#50
Toluene-d8
Concen: 1670.241 ug/l
RT: 10.19 min Scan# 931
Delta R.T. 0.00 min
Lab File: VD060795.D
Acq: 28 Jan 2019 17:07

Tgt Ion: 98 Resp: 1386964
Ion Ratio Lower Upper
98 100
100 66.3 51.0 76.6



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

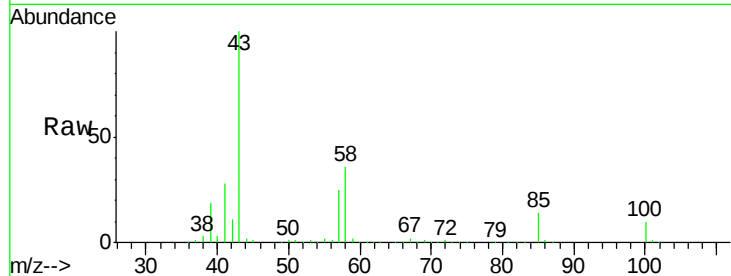




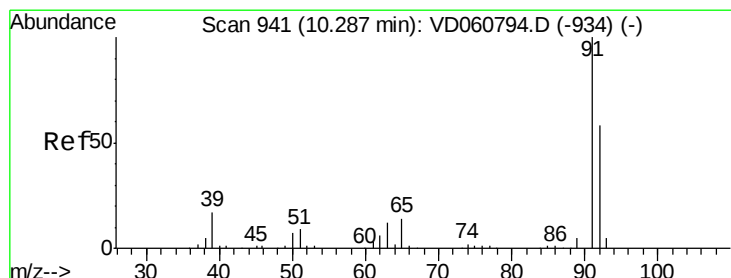
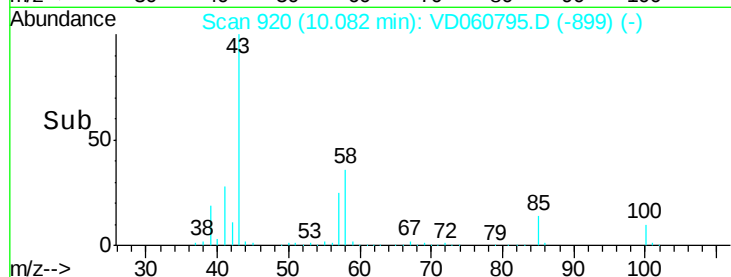
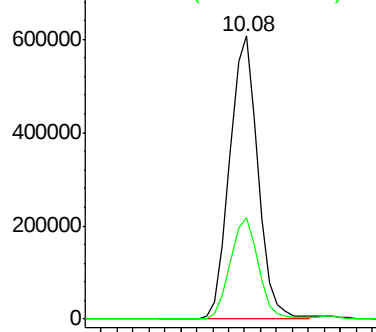
#51
4-Methyl-2-Pentanone
Concen: 368.461 ug/l
RT: 10.08 min Scan# 920
Delta R.T. 0.00 min
Lab File: VD060795.D
Acq: 28 Jan 2019 17:07

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 43 Resp: 1477643
Ion Ratio Lower Upper
43 100
58 35.8 28.4 42.6

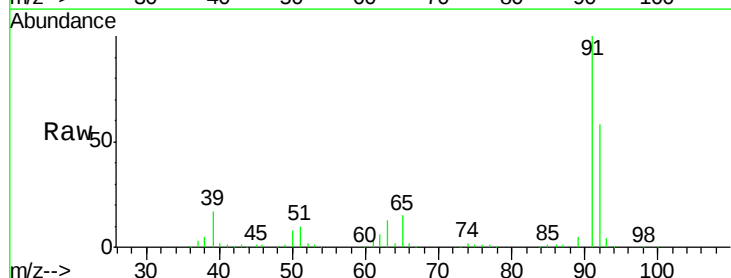


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

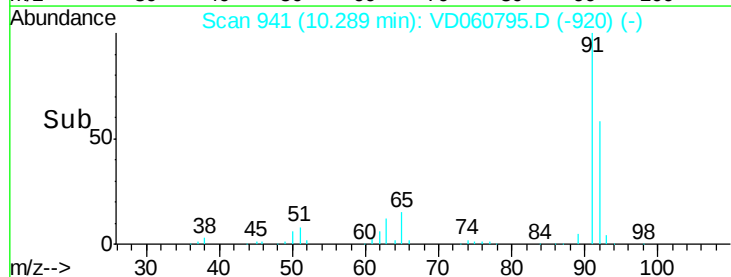
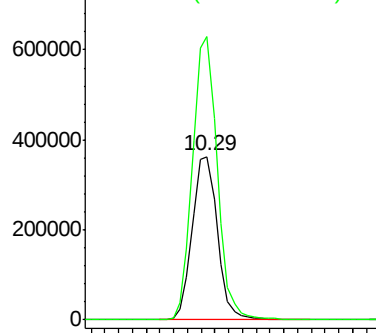


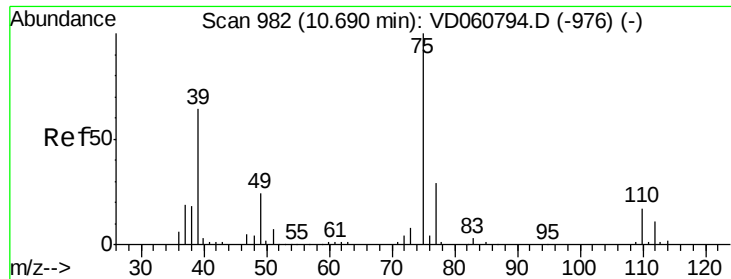
#52
Toluene
Concen: 69.235 ug/l
RT: 10.29 min Scan# 941
Delta R.T. 0.00 min
Lab File: VD060795.D
Acq: 28 Jan 2019 17:07

Tgt Ion: 92 Resp: 921944
Ion Ratio Lower Upper
92 100
91 173.4 137.7 206.5



Abundance Ion 92.00 (91.70 to 92.70): VDC
Ion 91.00 (90.70 to 91.70): VDC

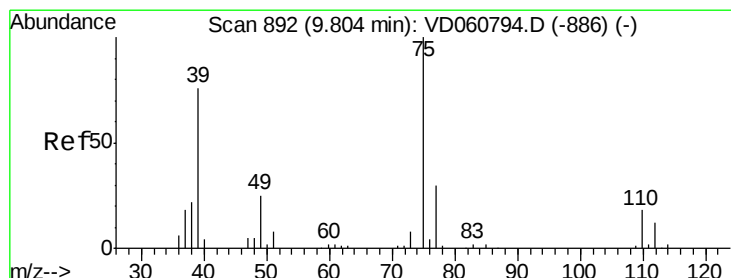
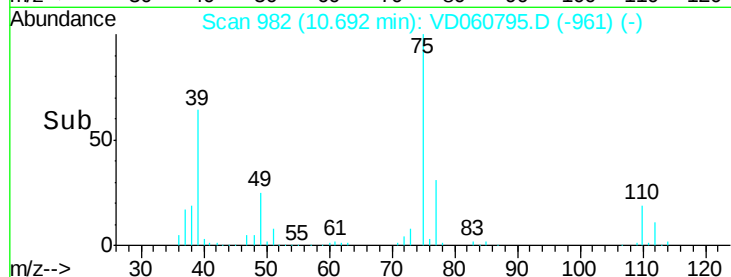
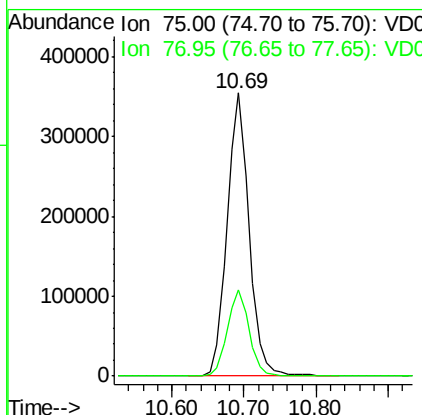
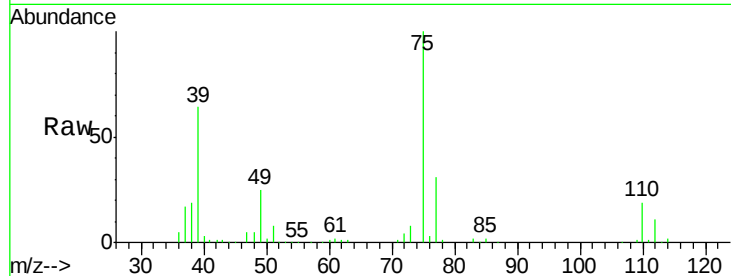




#53
 t-1,3-Dichloropropene
 Concen: 71.515 ug/l
 RT: 10.69 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VD060795.D
 Acq: 28 Jan 2019 17:07

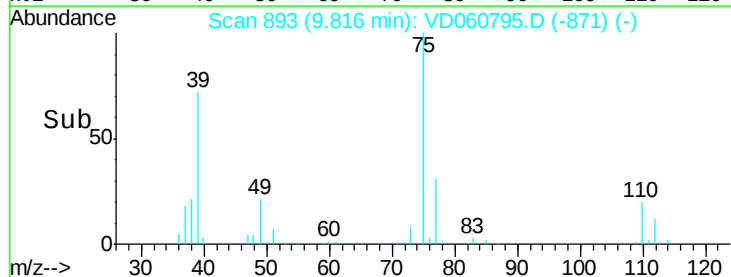
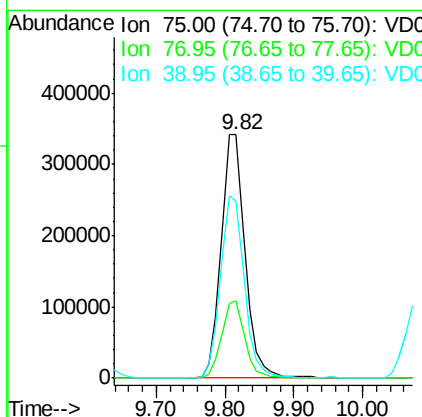
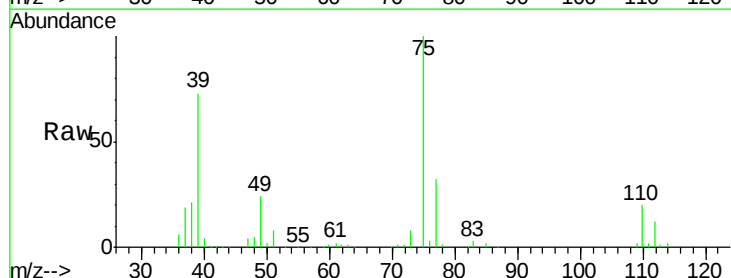
Instrument :
 MSVOA_D
 ClientSampleId :

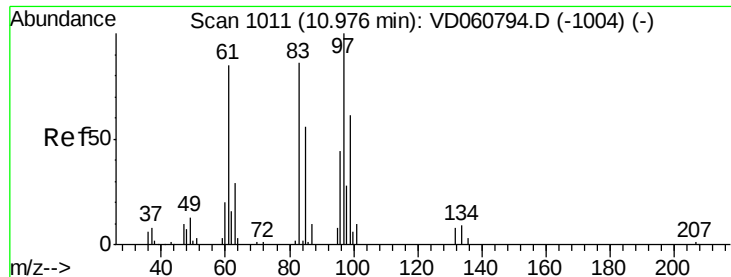
Tgt Ion: 75 Resp: 749049
 Ion Ratio Lower Upper
 75 100
 77 30.6 23.0 34.6



#54
 cis-1,3-Dichloropropene
 Concen: 76.681 ug/l
 RT: 9.82 min Scan# 893
 Delta R.T. 0.01 min
 Lab File: VD060795.D
 Acq: 28 Jan 2019 17:07

Tgt Ion: 75 Resp: 823601
 Ion Ratio Lower Upper
 75 100
 77 31.6 23.9 35.9
 39 72.5 60.4 90.6





#55

1,1,2-Trichloroethane

Concen: 74.390 ug/l

RT: 10.97 min Scan# 1010

Delta R.T. -0.01 min

Lab File: VD060795.D

Acq: 28 Jan 2019 17:07

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 97 Resp: 337732

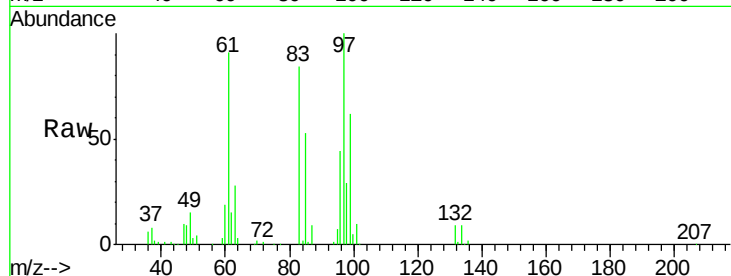
Ion Ratio Lower Upper

97 100

83 84.1 68.5 102.7

85 53.4 45.0 67.6

99 61.9 49.0 73.4

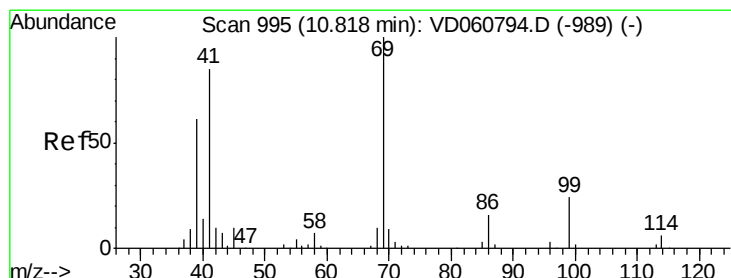
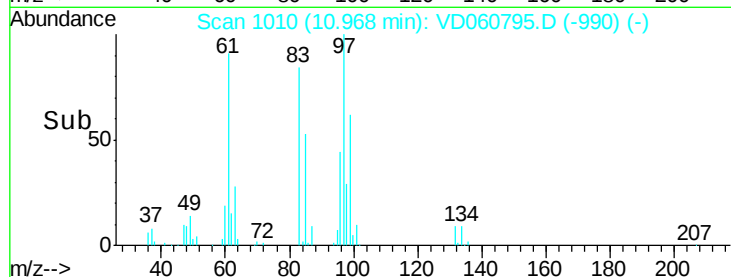
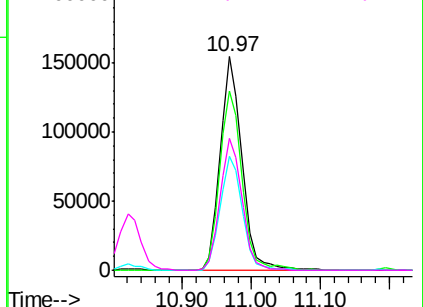


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 71.394 ug/l

RT: 10.82 min Scan# 995

Delta R.T. 0.00 min

Lab File: VD060795.D

Acq: 28 Jan 2019 17:07

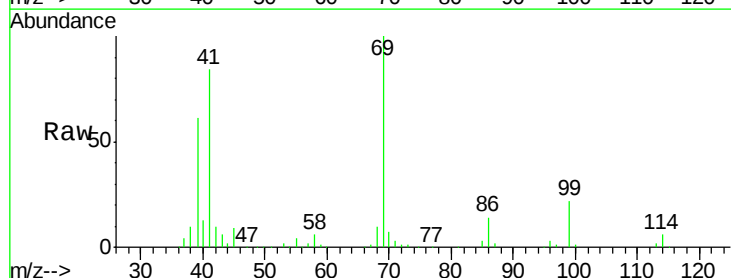
Tgt Ion: 69 Resp: 392654

Ion Ratio Lower Upper

69 100

41 83.7 68.2 102.2

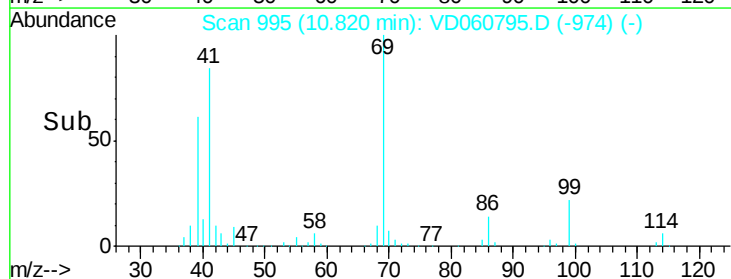
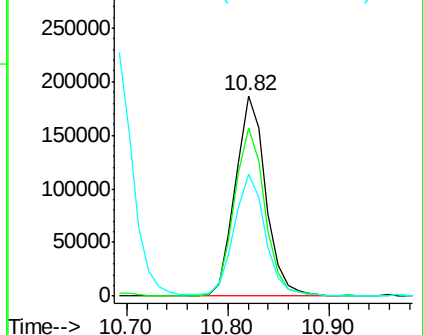
39 61.1 49.4 74.0

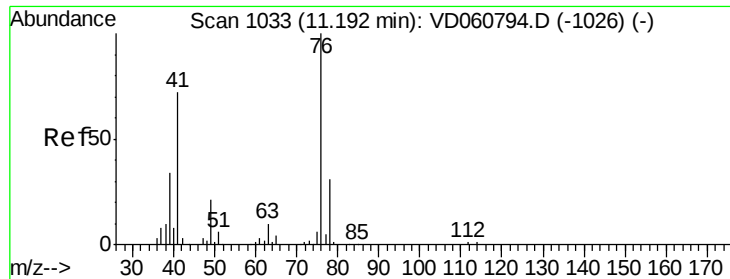


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 70.088 ug/l

RT: 11.19 min Scan# 1033

Delta R.T. 0.00 min

Lab File: VD060795.D

Acq: 28 Jan 2019 17:07

Instrument :

MSVOA_D

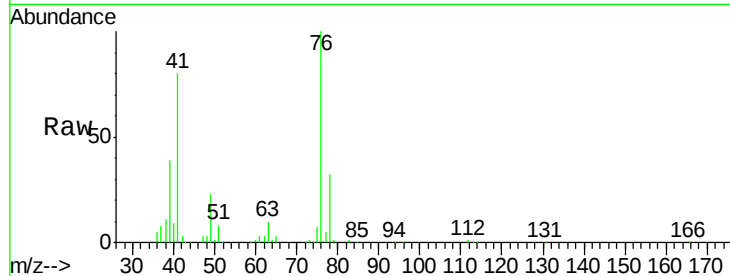
ClientSampleId :

Tgt Ion: 76 Resp: 543823

Ion Ratio Lower Upper

76 100

78 31.7 24.5 36.7



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.19

250000

200000

150000

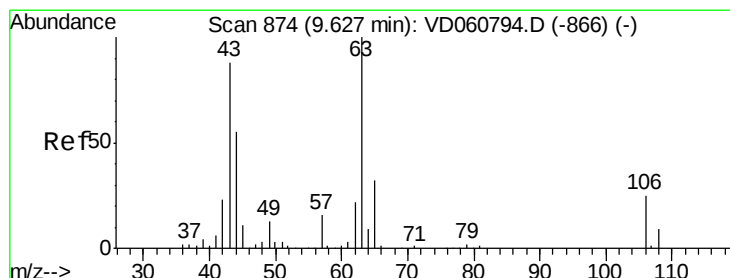
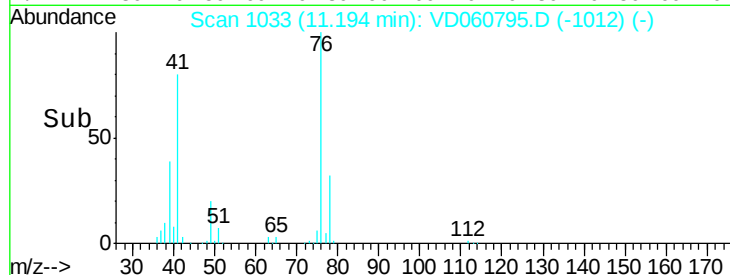
100000

50000

0

Time-->

11.10 11.20 11.30 11.40



#58

2-Chloroethyl Vinyl ether

Concen: 338.842 ug/l

RT: 9.63 min Scan# 874

Delta R.T. 0.00 min

Lab File: VD060795.D

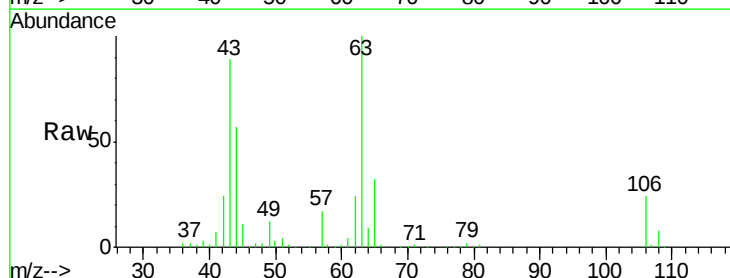
Acq: 28 Jan 2019 17:07

Tgt Ion: 63 Resp: 977798

Ion Ratio Lower Upper

63 100

106 24.0 19.9 29.9



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

9.63

400000

300000

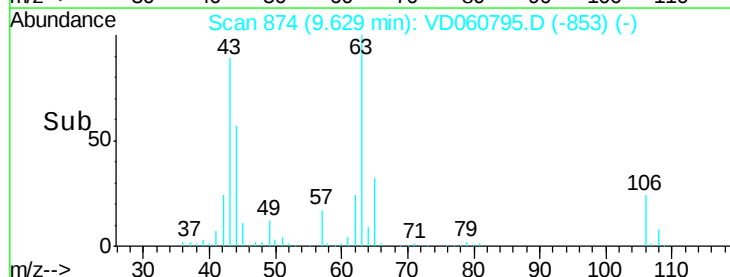
200000

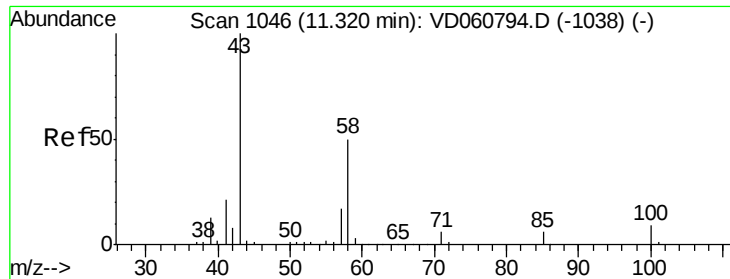
100000

0

Time-->

9.50 9.60 9.70 9.80

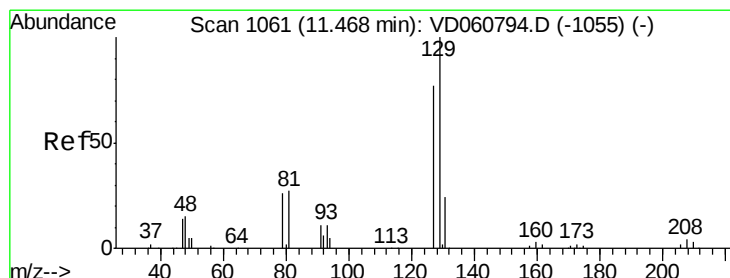
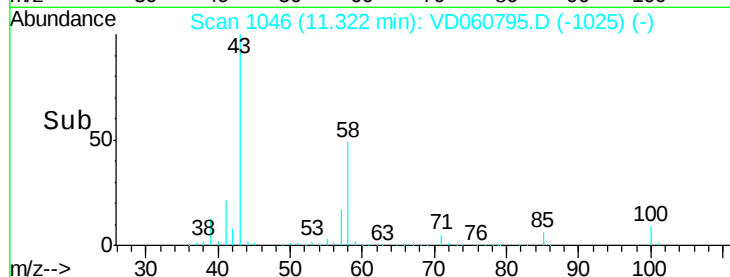
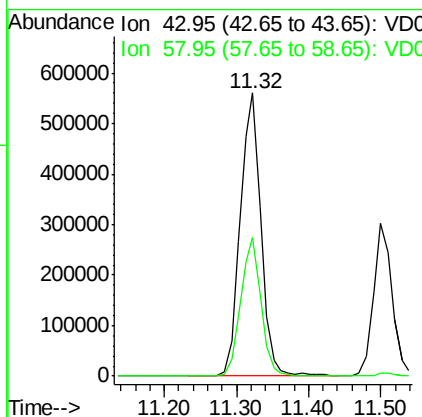
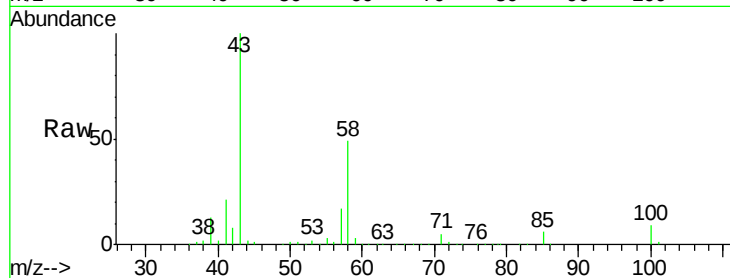




#59
2-Hexanone
Concen: 374.499 ug/l
RT: 11.32 min Scan# 1046
Delta R.T. 0.00 min
Lab File: VD060795.D
Acq: 28 Jan 2019 17:07

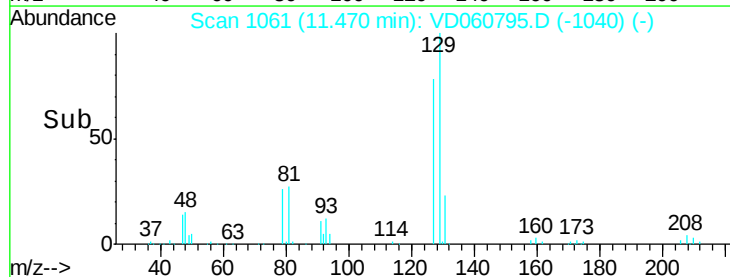
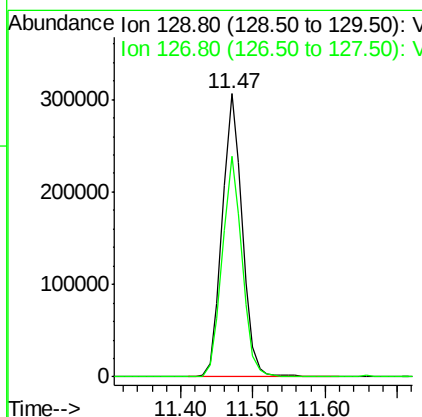
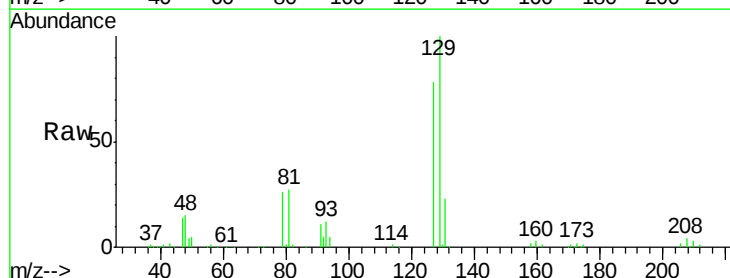
Instrument :
MSVOA_D
ClientSampleId :

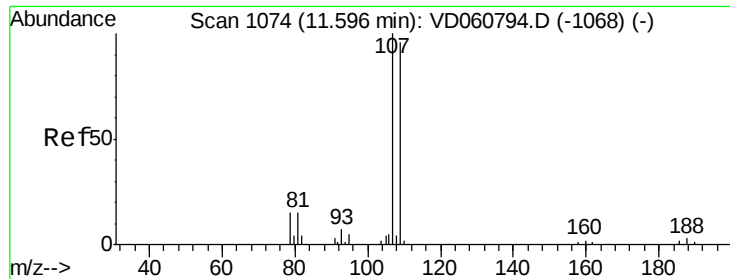
Tgt Ion: 43 Resp: 1129249
Ion Ratio Lower Upper
43 100
58 49.0 25.0 75.0



#60
Dibromochloromethane
Concen: 72.129 ug/l
RT: 11.47 min Scan# 1061
Delta R.T. 0.00 min
Lab File: VD060795.D
Acq: 28 Jan 2019 17:07

Tgt Ion: 129 Resp: 588721
Ion Ratio Lower Upper
129 100
127 77.8 38.6 115.7

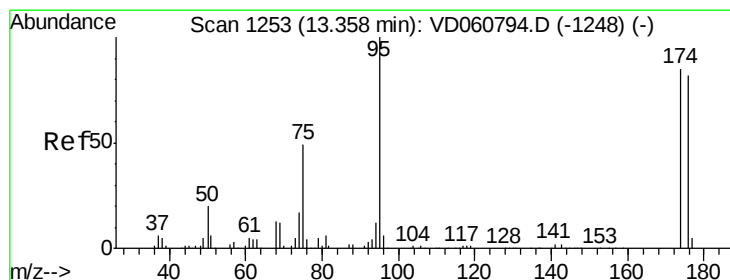
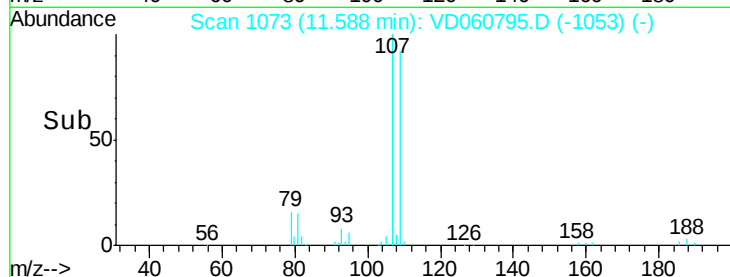
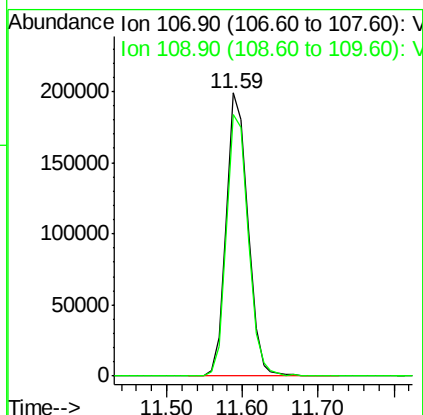
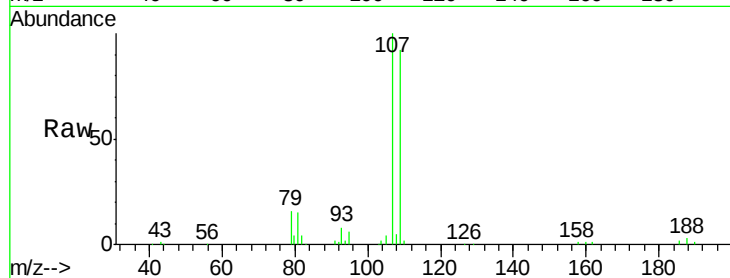




#61
1,2-Dibromoethane
Concen: 73.395 ug/l
RT: 11.59 min Scan# 1073
Delta R.T. -0.01 min
Lab File: VD060795.D
Acq: 28 Jan 2019 17:07

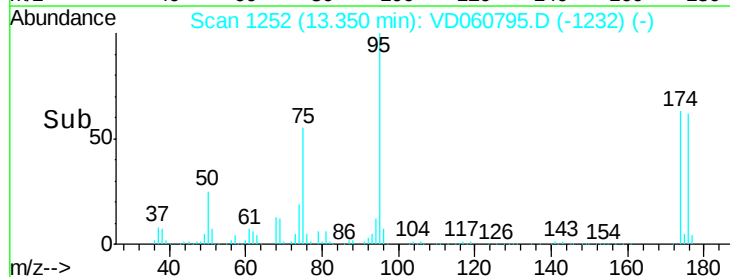
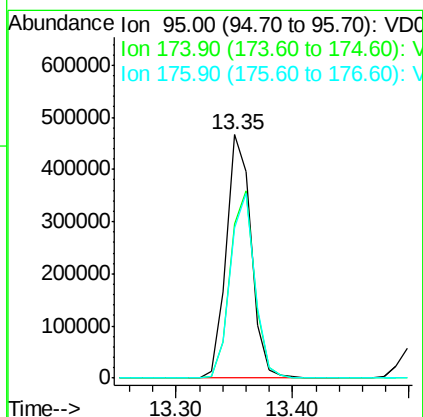
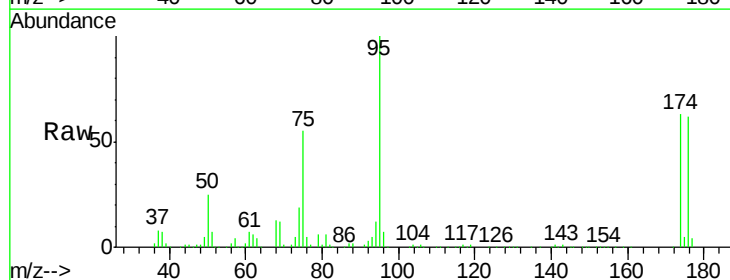
Instrument :
MSVOA_D
ClientSampleId :

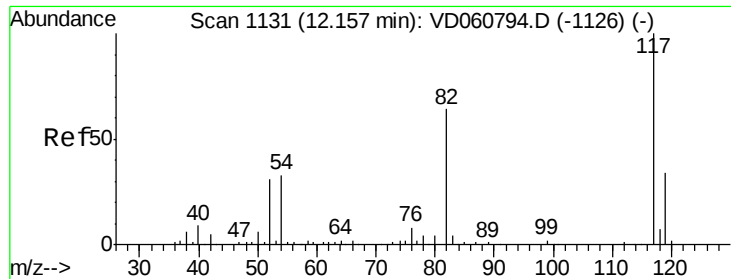
Tgt Ion: 107 Resp: 392427
Ion Ratio Lower Upper
107 100
109 92.3 76.6 114.8



#62
4-Bromofluorobenzene
Concen: 73.395 ug/l
RT: 13.35 min Scan# 1252
Delta R.T. -0.01 min
Lab File: VD060795.D
Acq: 28 Jan 2019 17:07

Tgt Ion: 95 Resp: 691296
Ion Ratio Lower Upper
95 100
174 63.4 0.0 169.6
176 61.5 0.0 163.8

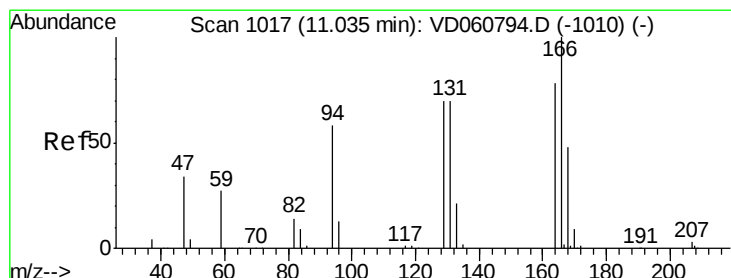
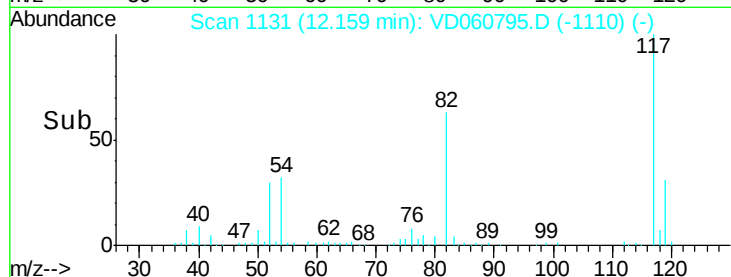
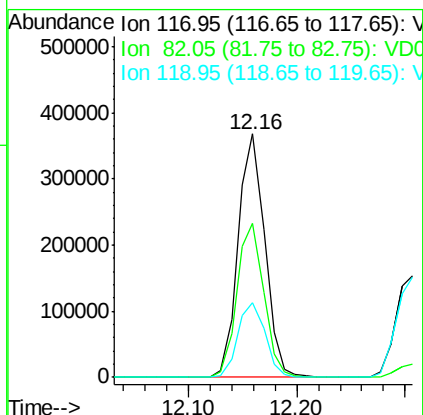
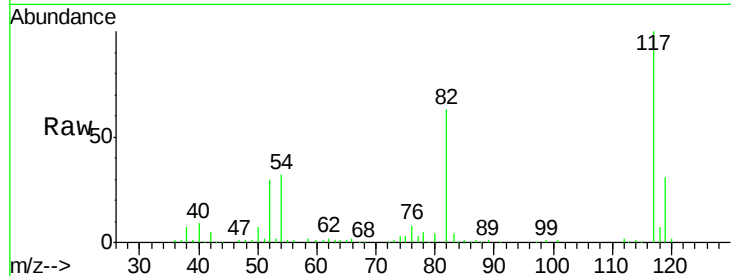




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.16 min Scan# 1131
Delta R.T. 0.00 min
Lab File: VD060795.D
Acq: 28 Jan 2019 17:07

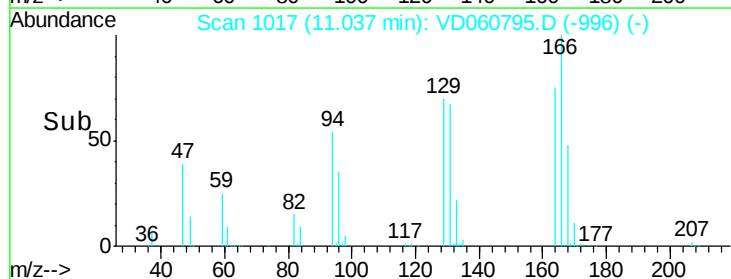
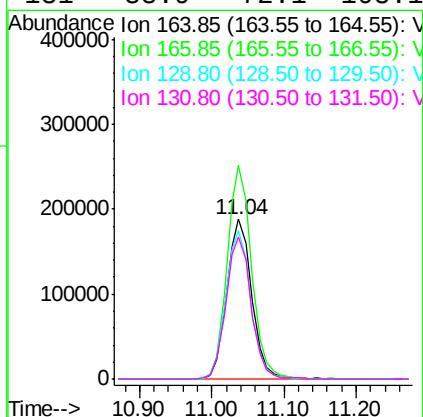
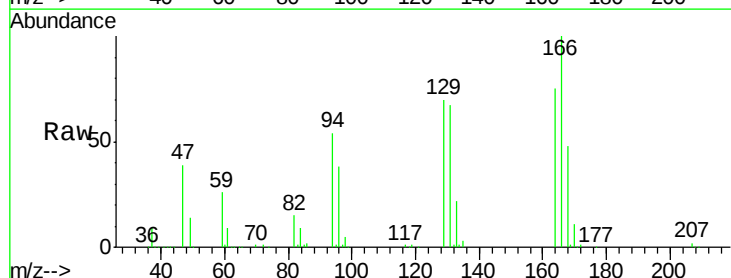
Instrument :
MSVOA_D
ClientSampleId :

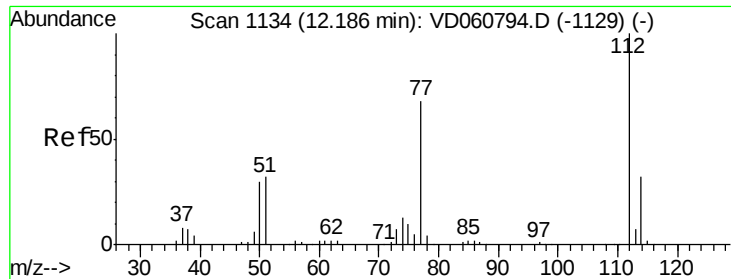
Tgt Ion:117 Resp: 631989
Ion Ratio Lower Upper
117 100
82 63.3 51.5 77.3
119 30.6 27.1 40.7



#64
Tetrachloroethene
Concen: 78.151 ug/l
RT: 11.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD060795.D
Acq: 28 Jan 2019 17:07

Tgt Ion:164 Resp: 453288
Ion Ratio Lower Upper
164 100
166 133.7 102.6 154.0
129 93.1 72.3 108.5
131 88.9 72.1 108.1





#65

Chlorobenzene

Concen: 74.020 ug/l

RT: 12.19 min Scan# 1134

Delta R.T. 0.00 min

Lab File: VD060795.D

Acq: 28 Jan 2019 17:07

Instrument :

MSVOA_D

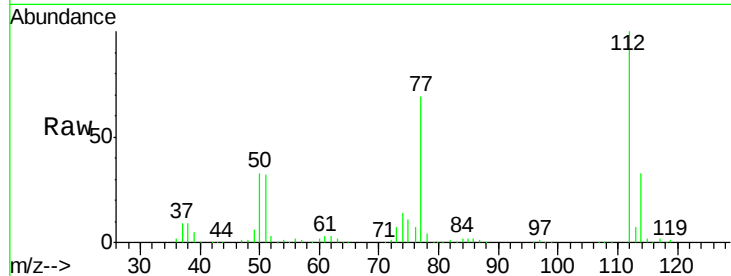
ClientSampleId :

Tgt Ion:112 Resp: 1069029

Ion Ratio Lower Upper

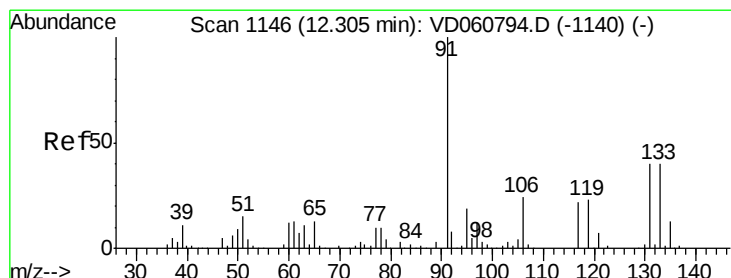
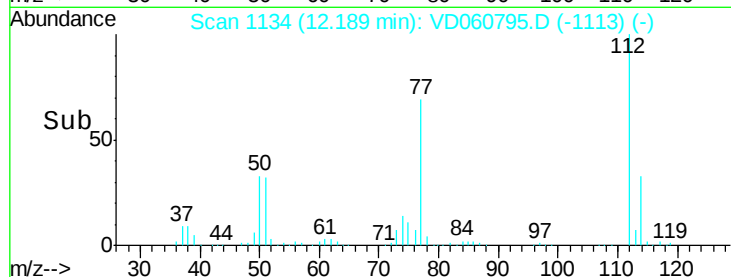
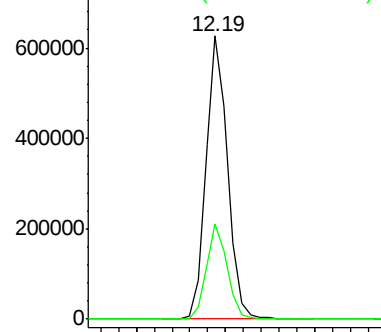
112 100

114 33.4 25.2 37.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 77.289 ug/l

RT: 12.31 min Scan# 1146

Delta R.T. 0.00 min

Lab File: VD060795.D

Acq: 28 Jan 2019 17:07

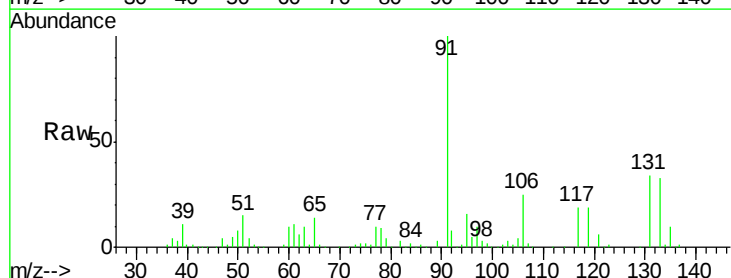
Tgt Ion:131 Resp: 479569

Ion Ratio Lower Upper

131 100

133 95.9 49.9 149.7

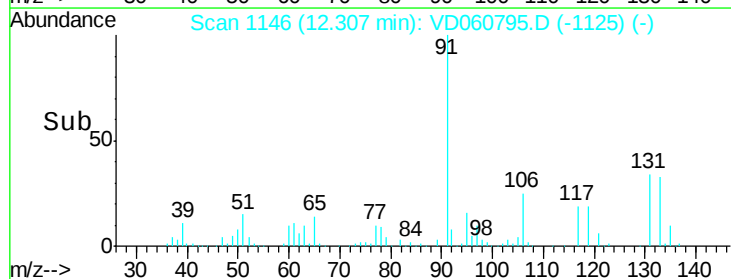
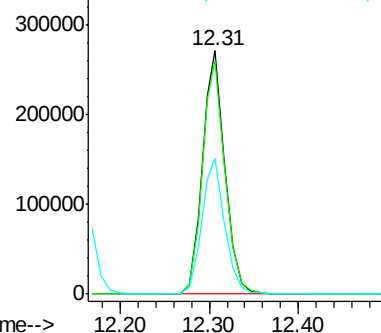
119 56.0 28.5 85.5

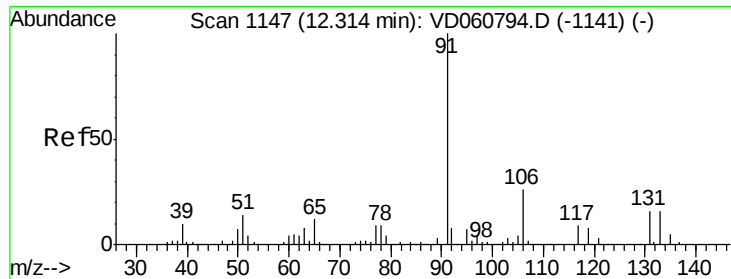


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

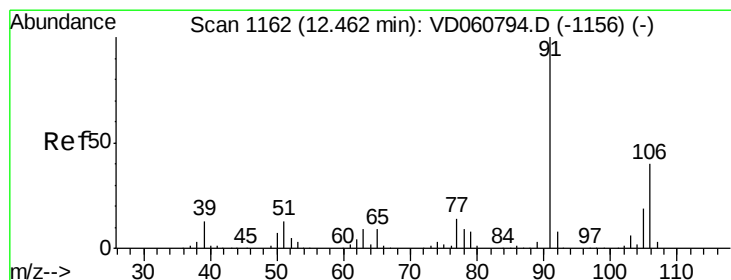
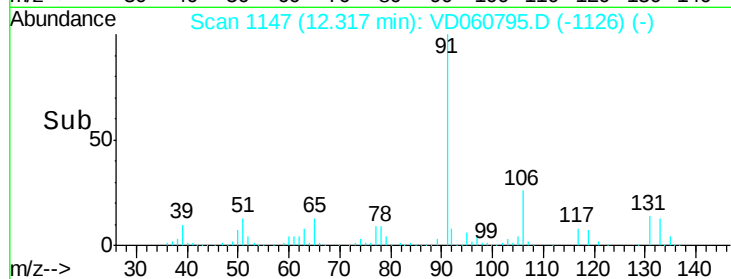
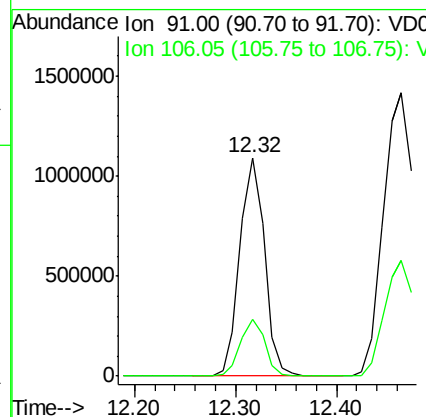
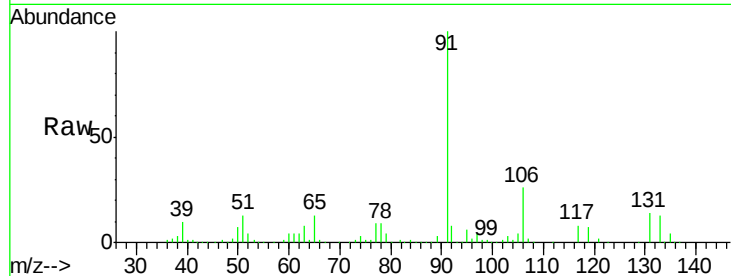




#67
Ethyl Benzene
Concen: 71.969 ug/l
RT: 12.32 min Scan# 1147
Delta R.T. 0.00 min
Lab File: VD060795.D
Acq: 28 Jan 2019 17:07

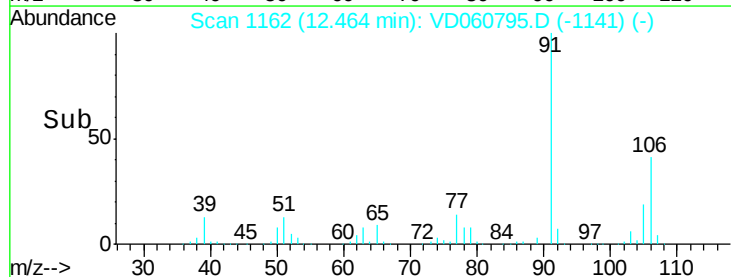
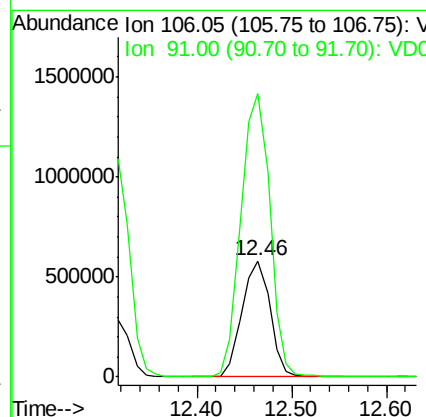
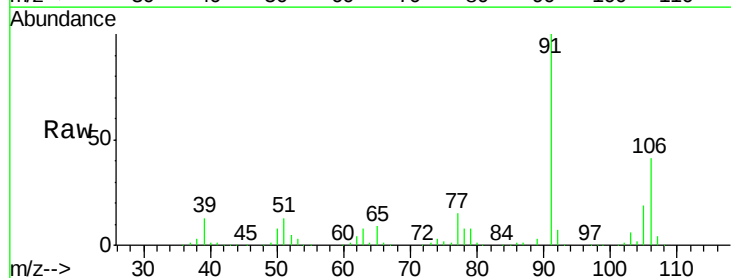
Instrument :
MSVOA_D
ClientSampleId :

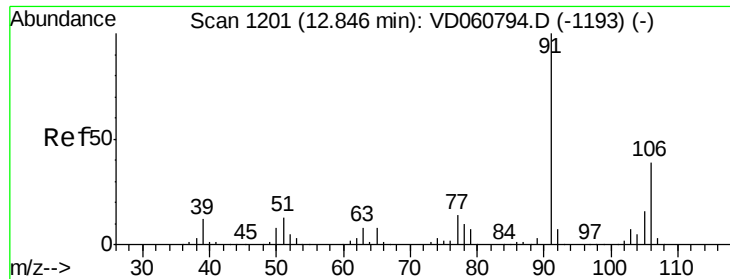
Tgt Ion: 91 Resp: 1869058
Ion Ratio Lower Upper
91 100
106 25.9 21.0 31.6



#68
m/p-Xylenes
Concen: 141.587 ug/l
RT: 12.46 min Scan# 1162
Delta R.T. 0.00 min
Lab File: VD060795.D
Acq: 28 Jan 2019 17:07

Tgt Ion: 106 Resp: 1196300
Ion Ratio Lower Upper
106 100
91 244.6 200.5 300.7

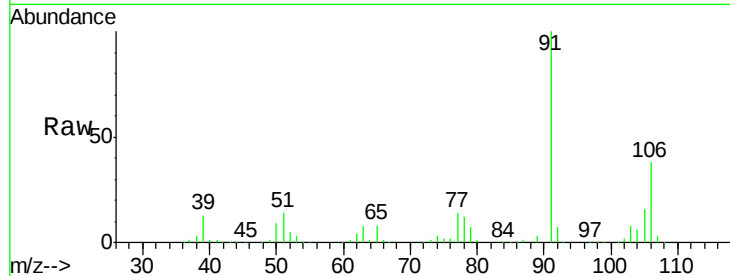




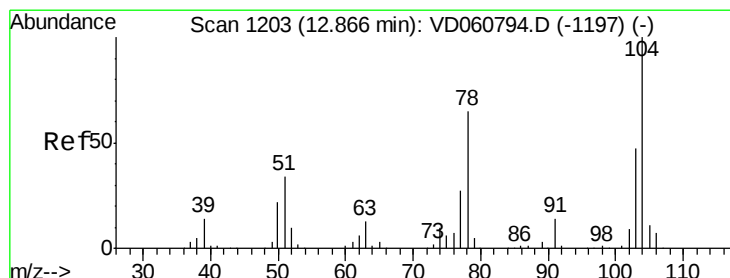
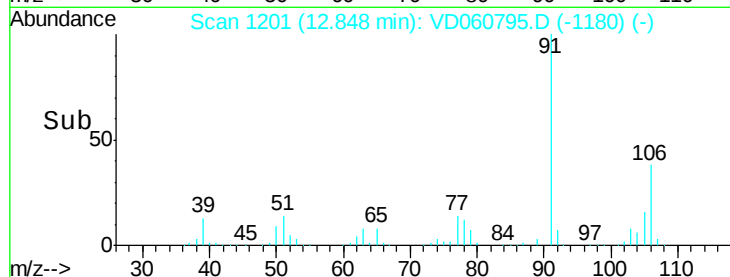
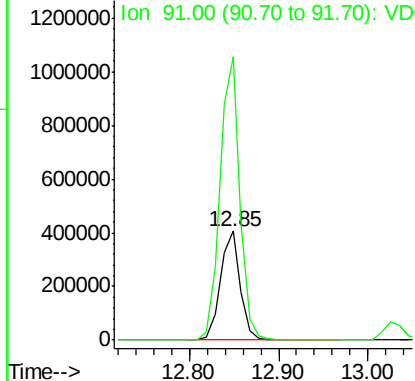
#69
o-Xylene
Concen: 75.332 ug/l
RT: 12.85 min Scan# 1201
Delta R.T. 0.00 min
Lab File: VD060795.D
Acq: 28 Jan 2019 17:07

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion:106 Resp: 629968
Ion Ratio Lower Upper
106 100
91 259.9 127.6 382.7

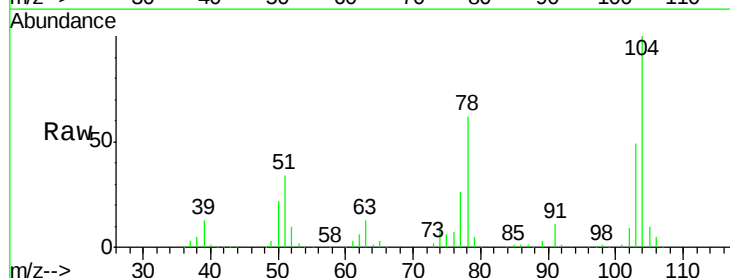


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

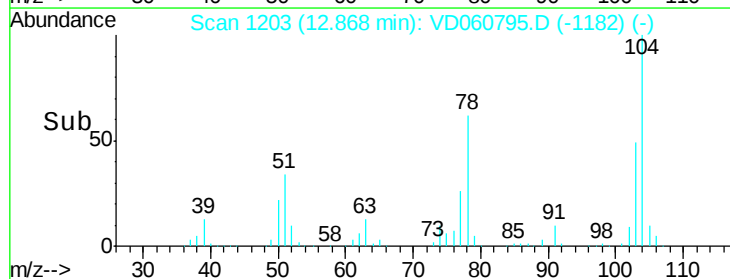
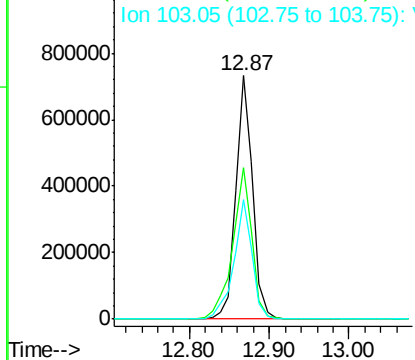


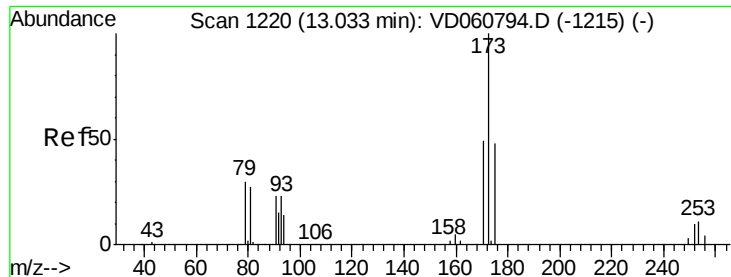
#70
Styrene
Concen: 76.974 ug/l
RT: 12.87 min Scan# 1203
Delta R.T. 0.00 min
Lab File: VD060795.D
Acq: 28 Jan 2019 17:07

Tgt Ion:104 Resp: 1079436
Ion Ratio Lower Upper
104 100
78 62.5 52.0 78.0
103 49.0 37.7 56.5



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





#71

Bromoform

Concen: 83.229 ug/l

RT: 13.04 min Scan# 1220

Delta R.T. 0.00 min

Lab File: VD060795.D

Acq: 28 Jan 2019 17:07

Instrument :

MSVOA_D

ClientSampleId :

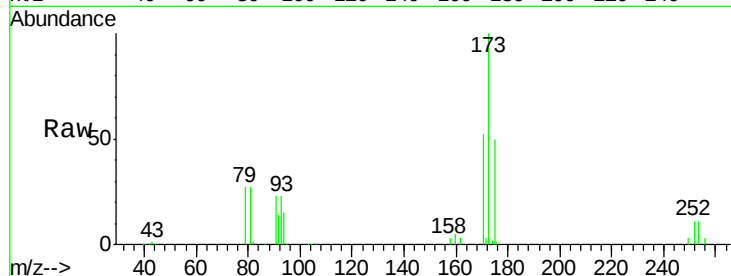
Tgt Ion:173 Resp: 389093

Ion Ratio Lower Upper

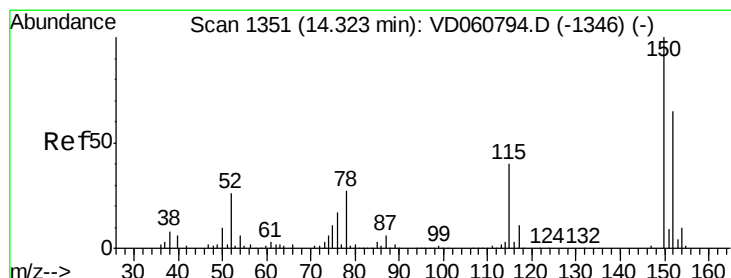
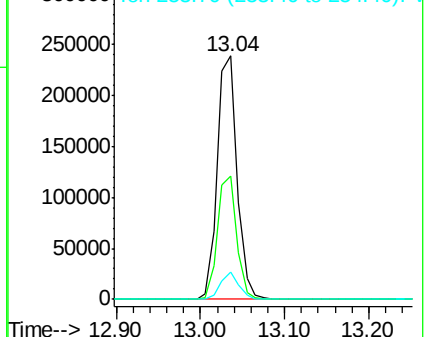
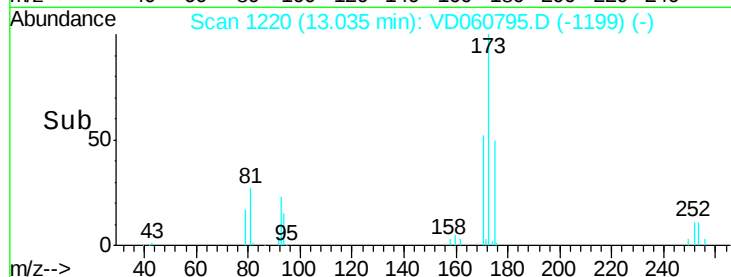
173 100

175 50.5 24.1 72.4

254 11.5 9.1 13.7



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: 14.32 min Scan# 1351

Delta R.T. 0.00 min

Lab File: VD060795.D

Acq: 28 Jan 2019 17:07

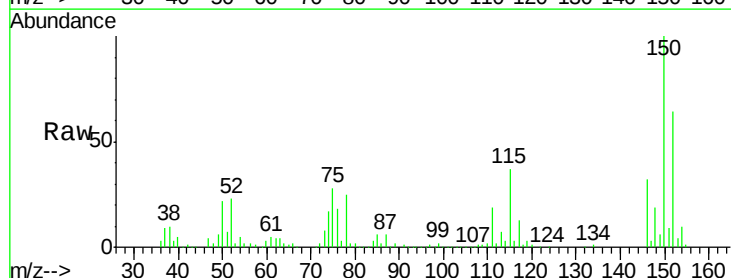
Tgt Ion:152 Resp: 332832

Ion Ratio Lower Upper

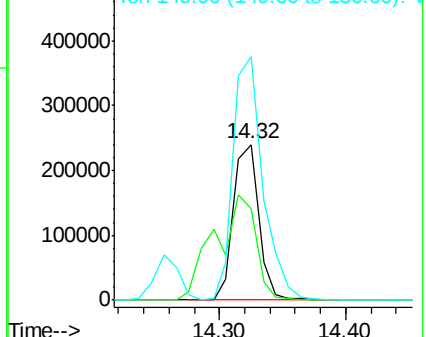
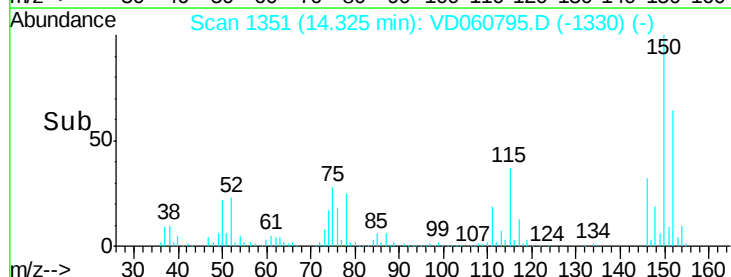
152 100

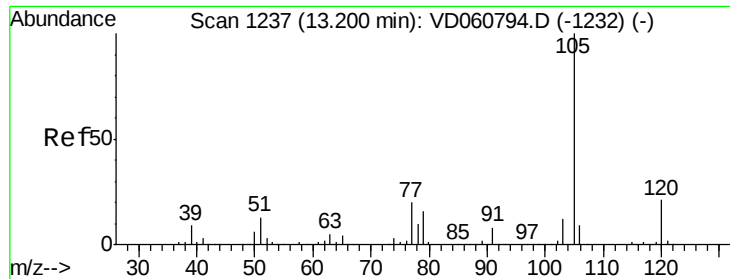
115 58.7 31.6 95.0

150 156.7 0.0 317.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 69.214 ug/l

RT: 13.20 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VD060795.D

Acq: 28 Jan 2019 17:07

Instrument :

MSVOA_D

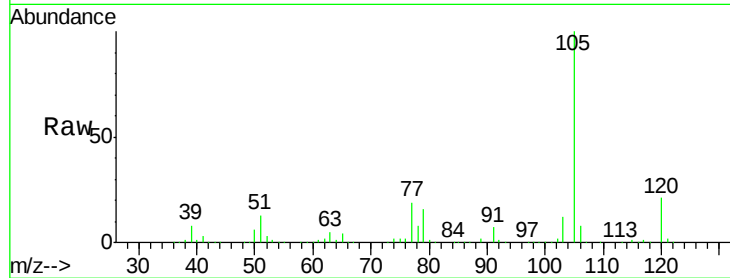
ClientSampleId :

Tgt Ion: 105 Resp: 1836726

Ion Ratio Lower Upper

105 100

120 21.2 10.7 32.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

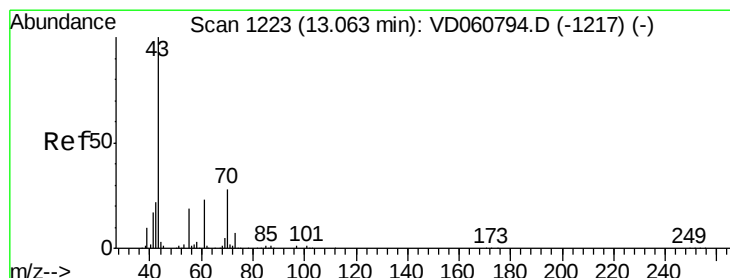
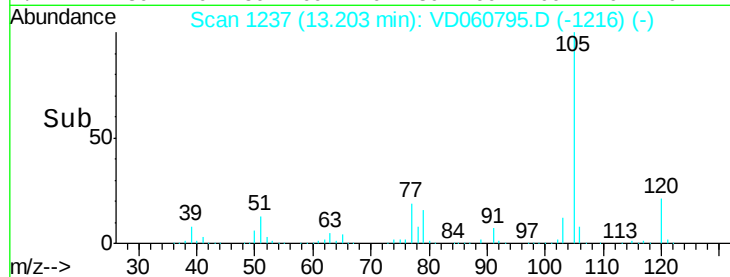
13.20

1000000

500000

0

Time-->



#74

N-ethyl acetate

Concen: 79.018 ug/l

RT: 13.06 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD060795.D

Acq: 28 Jan 2019 17:07

Tgt Ion: 43 Resp: 644636

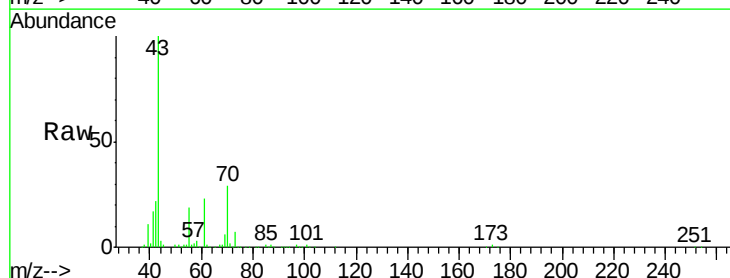
Ion Ratio Lower Upper

43 100

70 28.7 22.2 33.4

55 19.3 15.5 23.3

61 23.3 18.4 27.6



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

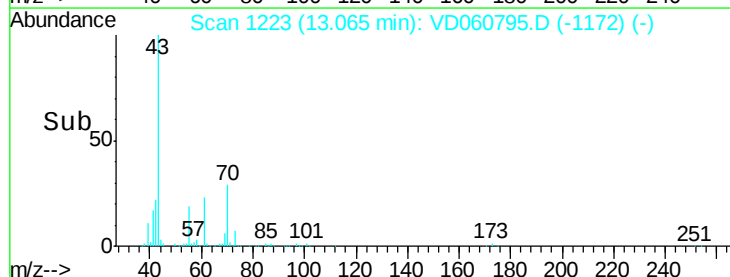
600000

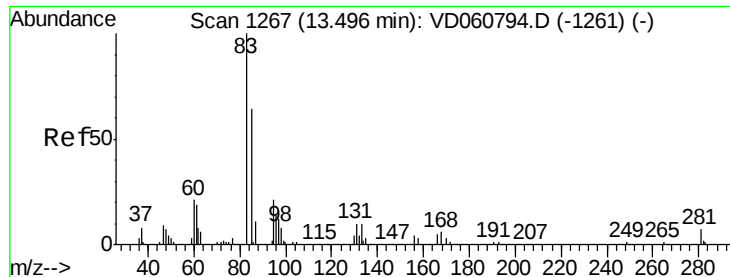
400000

200000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 79.407 ug/l

RT: 13.50 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VD060795.D

Acq: 28 Jan 2019 17:07

Instrument :

MSVOA_D

ClientSampleId :

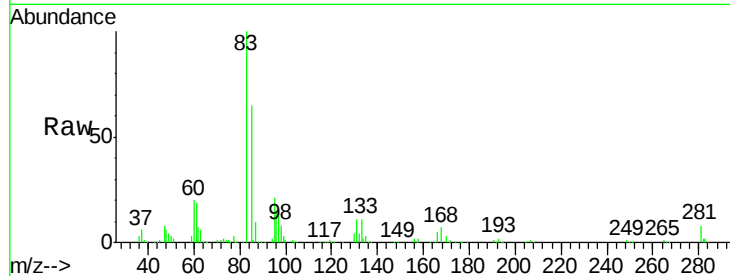
Tgt Ion: 83 Resp: 383683

Ion Ratio Lower Upper

83 100

131 10.6 5.0 15.0

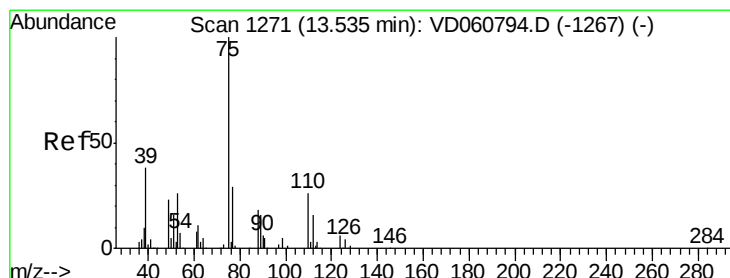
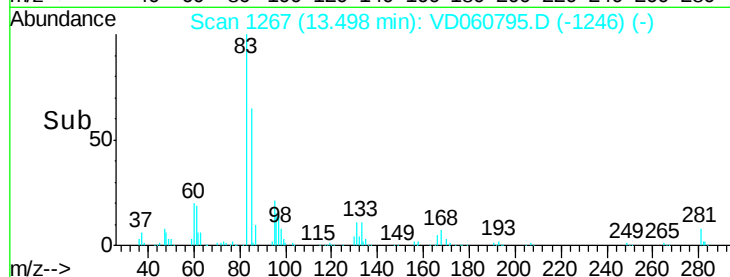
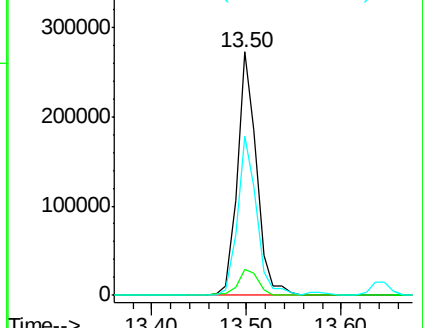
85 65.2 31.8 95.4



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: 76.561 ug/l

RT: 13.54 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VD060795.D

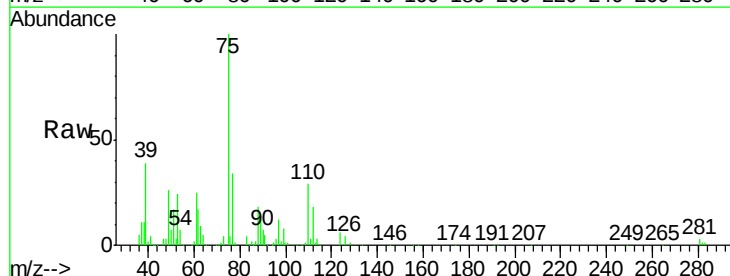
Acq: 28 Jan 2019 17:07

Tgt Ion: 75 Resp: 467279

Ion Ratio Lower Upper

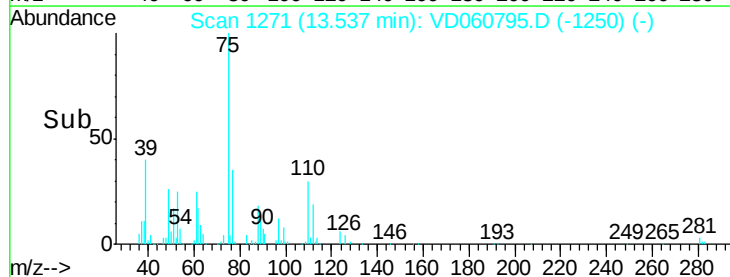
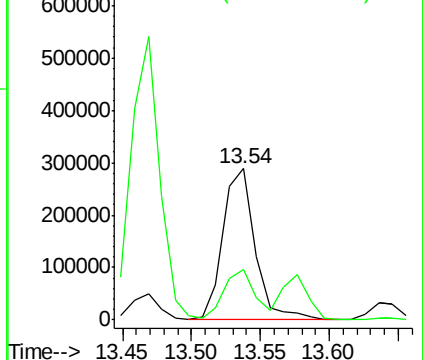
75 100

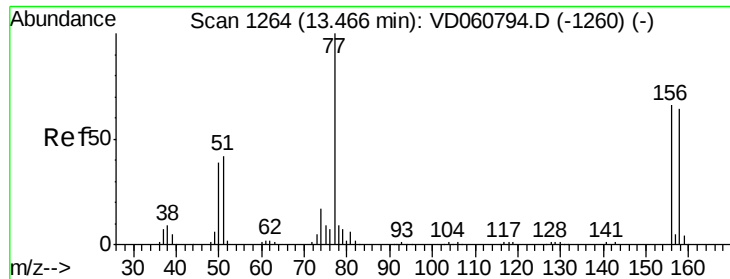
77 33.8 15.9 47.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 72.463 ug/l

RT: 13.47 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VD060795.D

Acq: 28 Jan 2019 17:07

Instrument :

MSVOA_D

ClientSampleId :

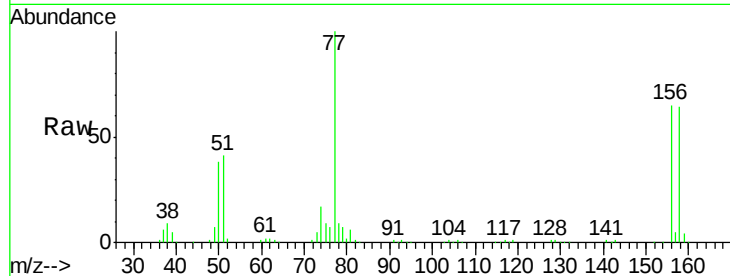
Tgt Ion: 156 Resp: 494306

Ion Ratio Lower Upper

156 100

77 153.0 76.0 228.0

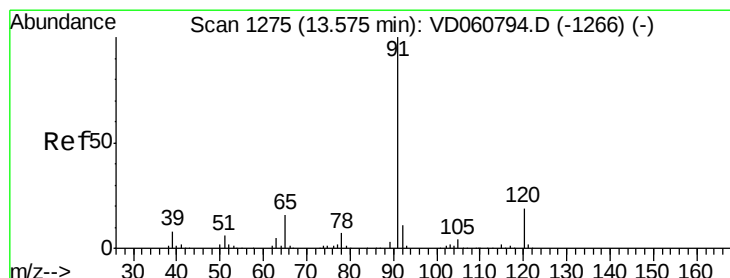
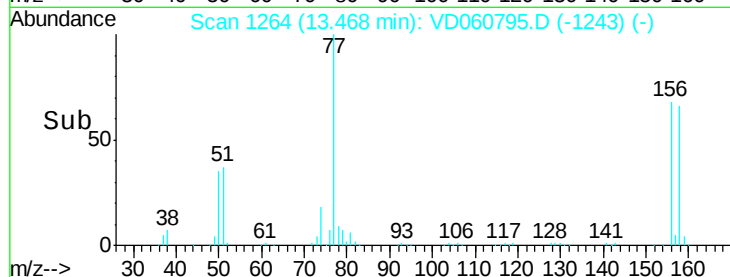
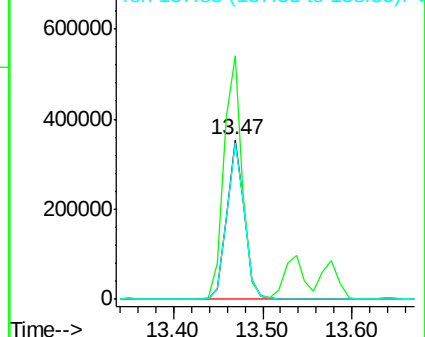
158 98.2 48.4 145.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 76.714 ug/l

RT: 13.58 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VD060795.D

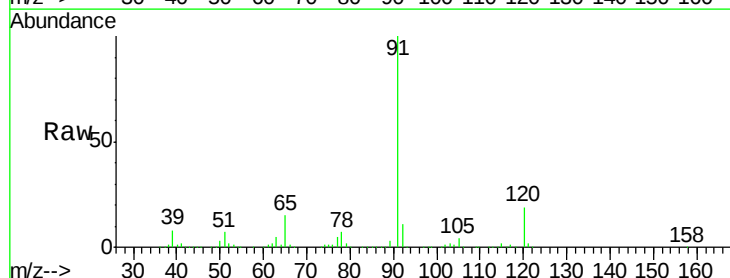
Acq: 28 Jan 2019 17:07

Tgt Ion: 91 Resp: 2555591

Ion Ratio Lower Upper

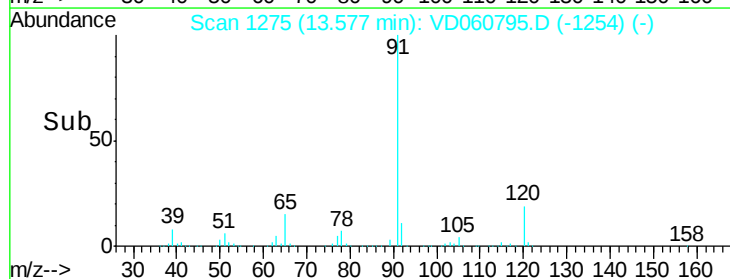
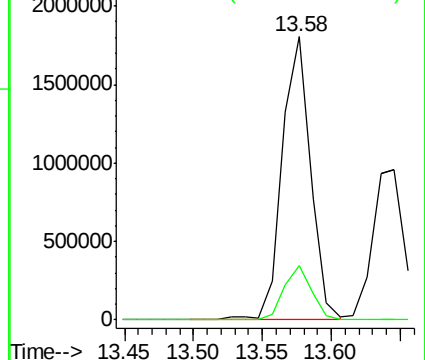
91 100

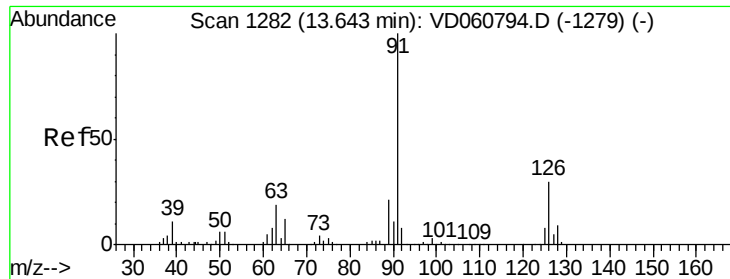
120 19.0 9.7 28.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 74.055 ug/l

RT: 13.65 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD060795.D

Acq: 28 Jan 2019 17:07

Instrument :

MSVOA_D

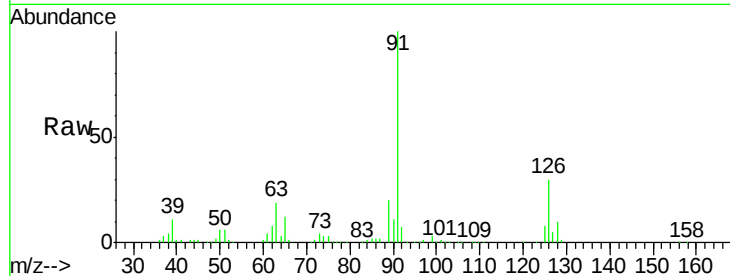
ClientSampled :

Tgt Ion: 91 Resp: 1504724

Ion Ratio Lower Upper

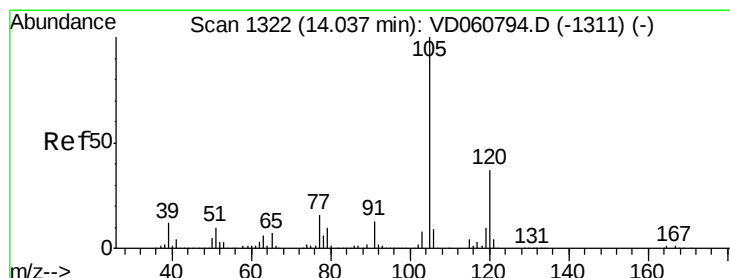
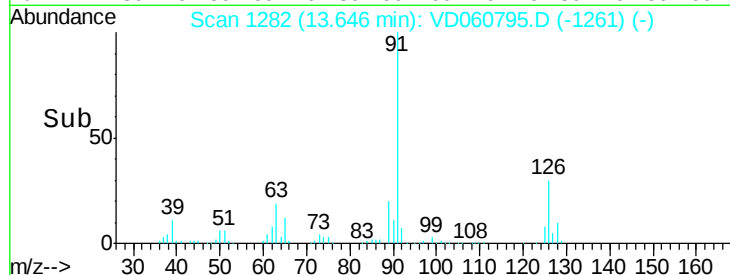
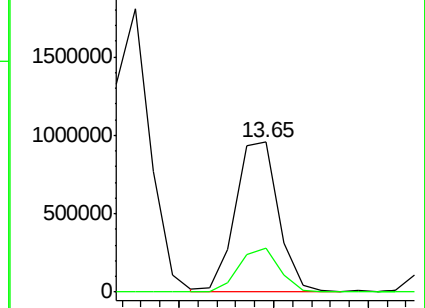
91 100

126 29.5 14.7 44.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 75.712 ug/l

RT: 14.04 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VD060795.D

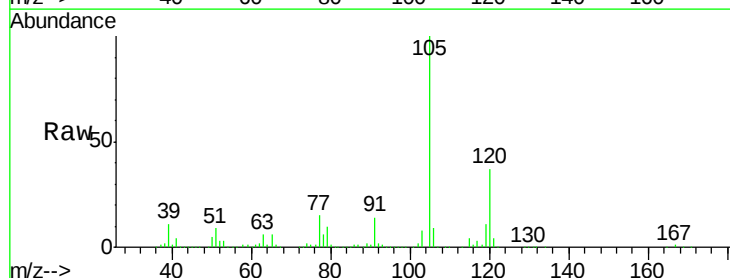
Acq: 28 Jan 2019 17:07

Tgt Ion: 105 Resp: 1729651

Ion Ratio Lower Upper

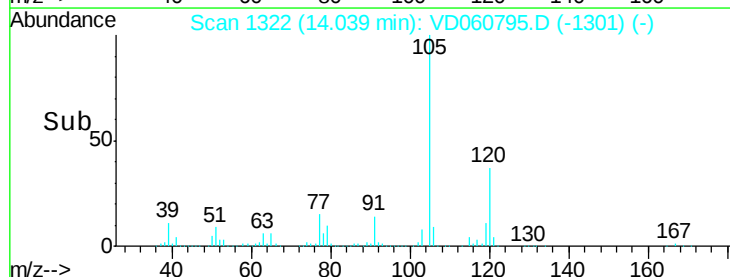
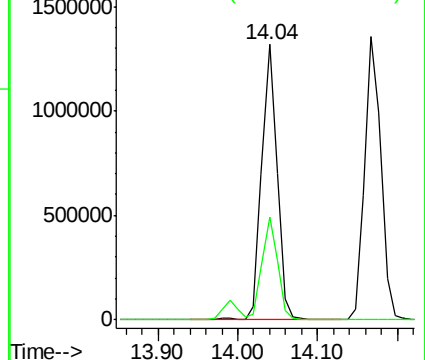
105 100

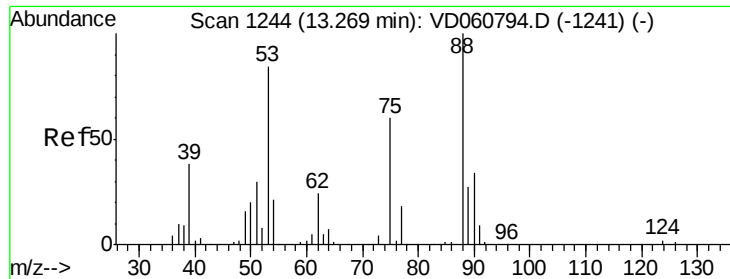
120 37.3 18.4 55.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

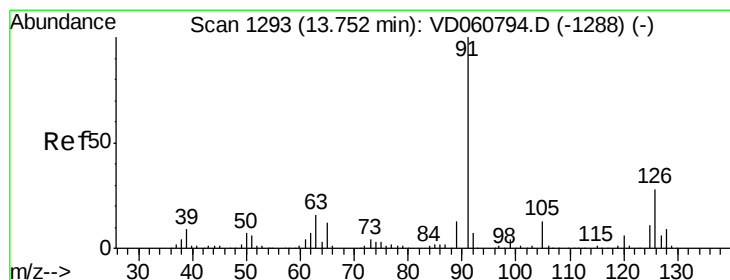
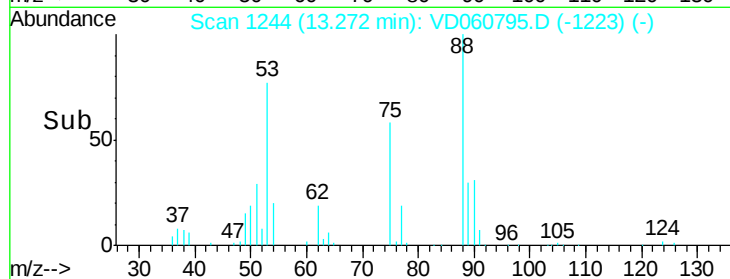
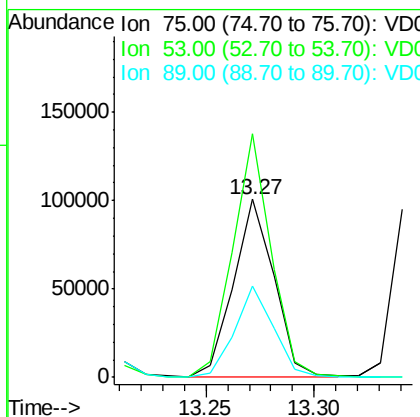
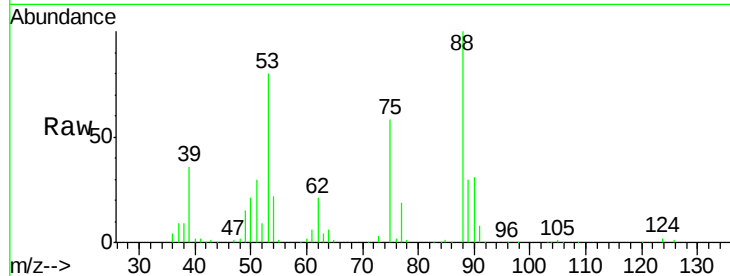




#81
trans-1,4-Dichloro-2-butene
Concen: 83.494 ug/l
RT: 13.27 min Scan# 1244
Delta R.T. 0.00 min
Lab File: VD060795.D
Acq: 28 Jan 2019 17:07

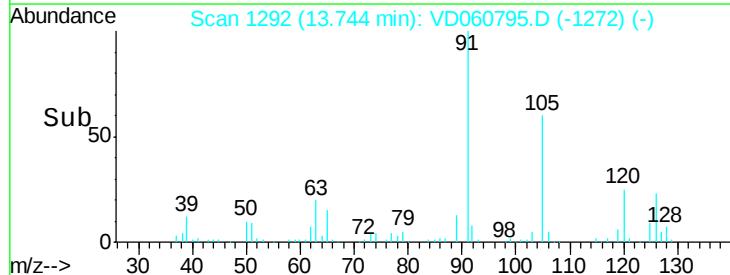
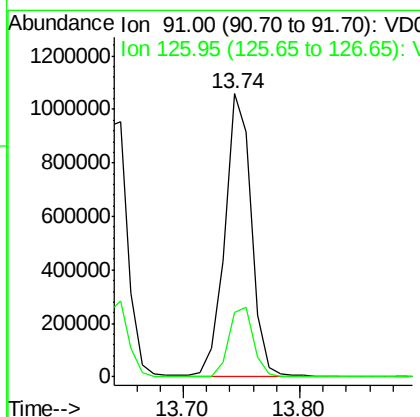
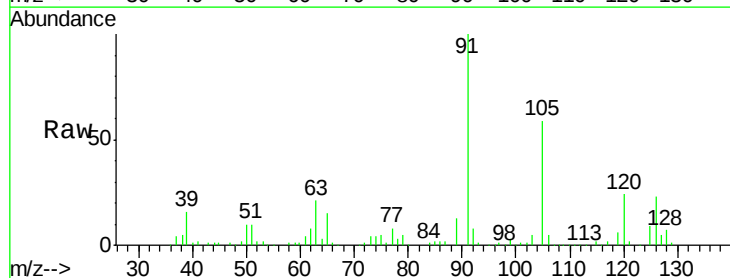
Instrument :
MSVOA_D
ClientSampleId :

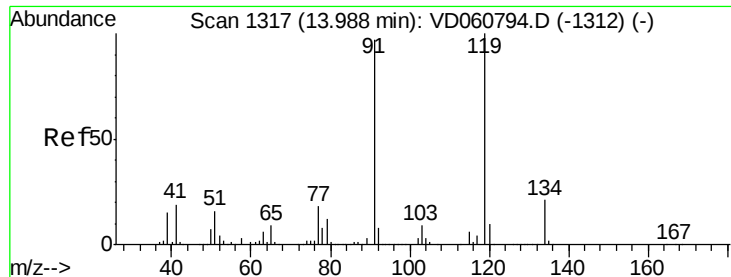
Tgt Ion: 75 Resp: 132856
Ion Ratio Lower Upper
75 100
53 137.0 111.6 167.4
89 51.5 35.9 53.9



#82
4-Chlorotoluene
Concen: 73.133 ug/l
RT: 13.74 min Scan# 1292
Delta R.T. -0.01 min
Lab File: VD060795.D
Acq: 28 Jan 2019 17:07

Tgt Ion: 91 Resp: 1651547
Ion Ratio Lower Upper
91 100
126 22.7 13.9 41.7

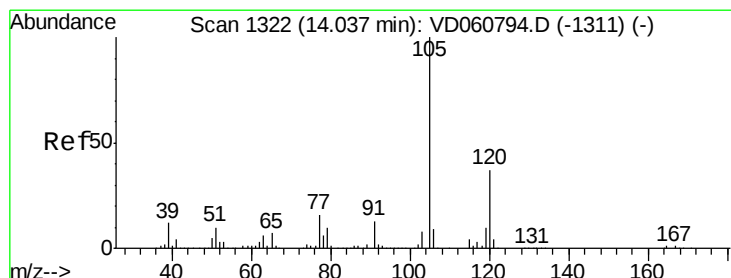
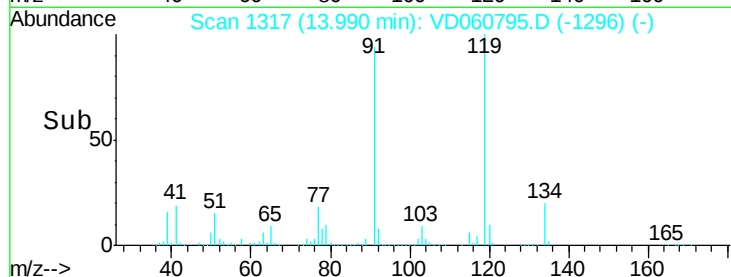
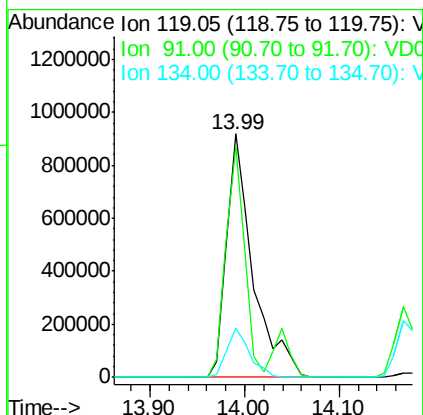
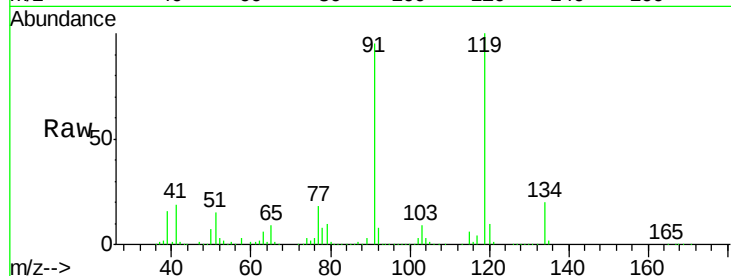




#83
 tert-Butylbenzene
 Concen: 74.044 ug/l
 RT: 13.99 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VD060795.D
 Acq: 28 Jan 2019 17:07

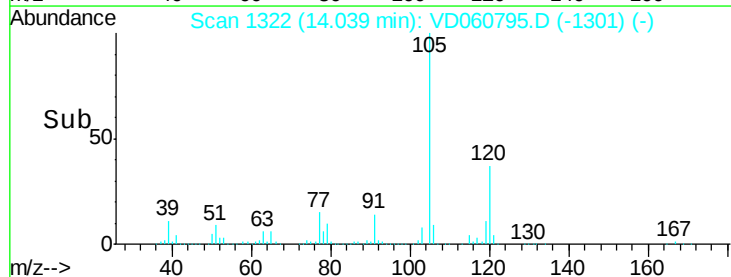
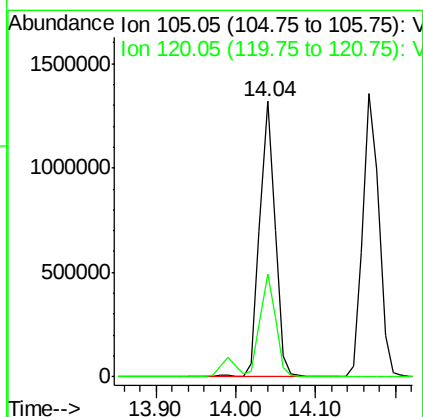
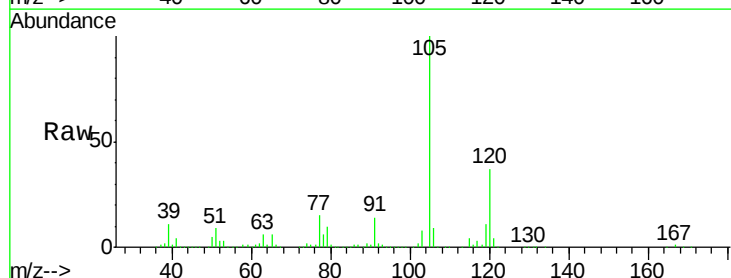
Instrument :
 MSVOA_D
 ClientSampleId :

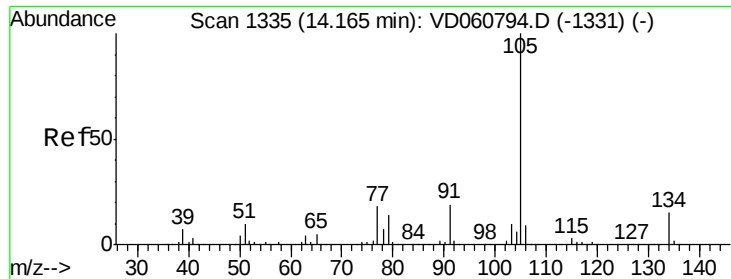
Tgt Ion:119 Resp: 1769752
 Ion Ratio Lower Upper
 119 100
 91 94.9 48.5 145.5
 134 20.3 10.3 30.8



#84
 1,2,4-Trimethylbenzene
 Concen: 75.712 ug/l
 RT: 14.04 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VD060795.D
 Acq: 28 Jan 2019 17:07

Tgt Ion:105 Resp: 1729651
 Ion Ratio Lower Upper
 105 100
 120 37.3 18.4 55.2

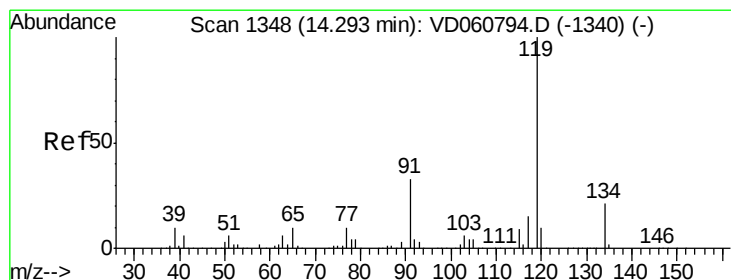
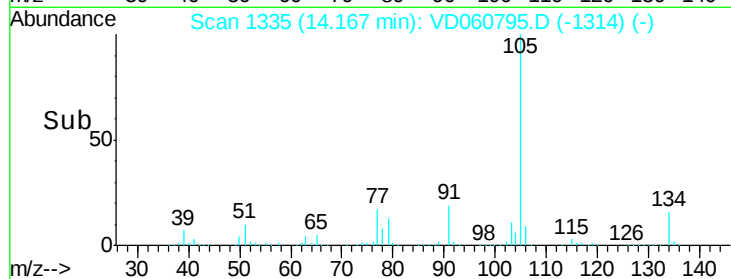
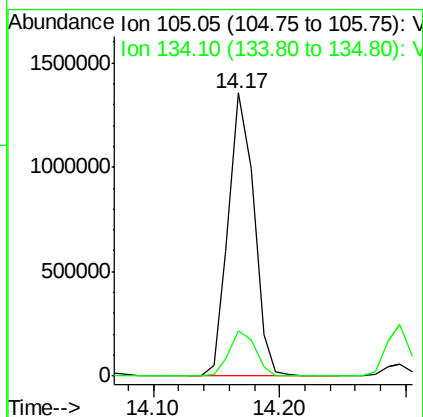
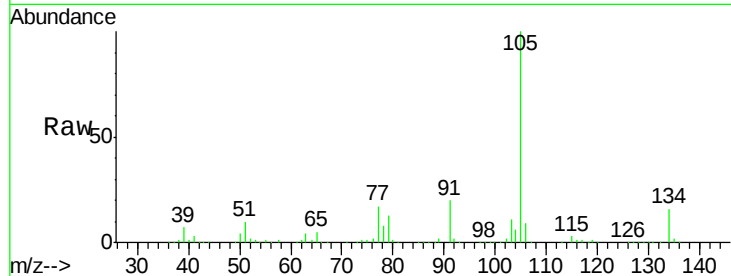




#85
 sec-Butylbenzene
 Concen: 70.047 ug/l
 RT: 14.17 min Scan# 1335
 Delta R.T. 0.00 min
 Lab File: VD060795.D
 Acq: 28 Jan 2019 17:07

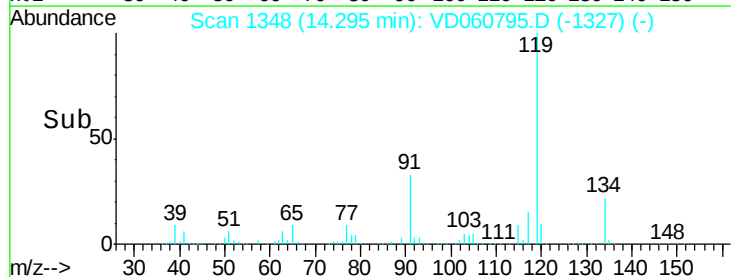
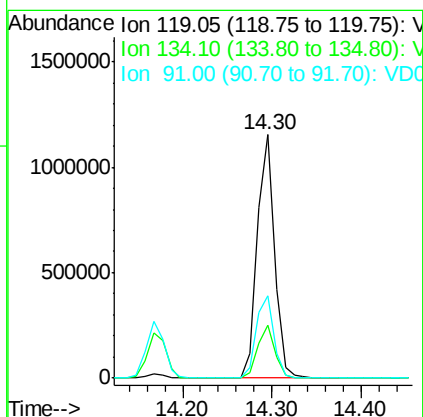
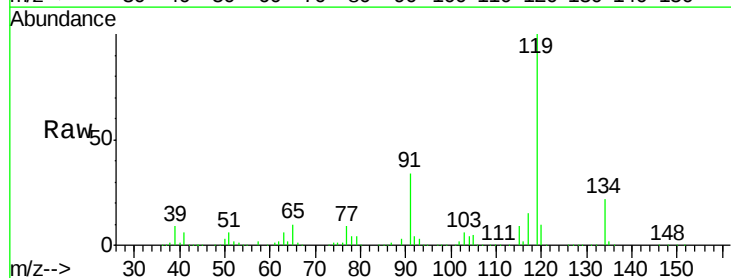
Instrument :
 MSVOA_D
 ClientSampleId :

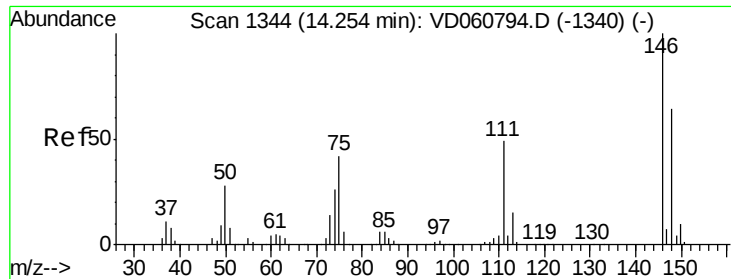
Tgt Ion:105 Resp: 1905792
 Ion Ratio Lower Upper
 105 100
 134 15.8 7.4 22.2



#86
 p-Isopropyltoluene
 Concen: 69.395 ug/l
 RT: 14.30 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VD060795.D
 Acq: 28 Jan 2019 17:07

Tgt Ion:119 Resp: 1532904
 Ion Ratio Lower Upper
 119 100
 134 21.7 10.8 32.3
 91 33.6 16.7 50.0

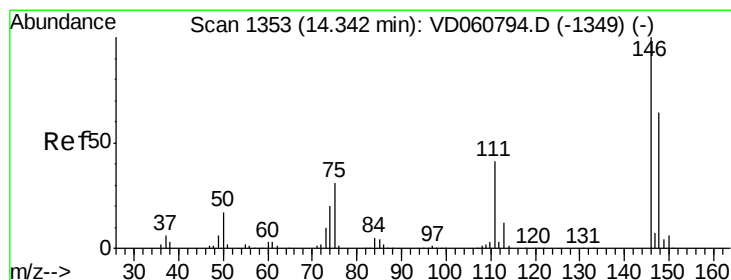
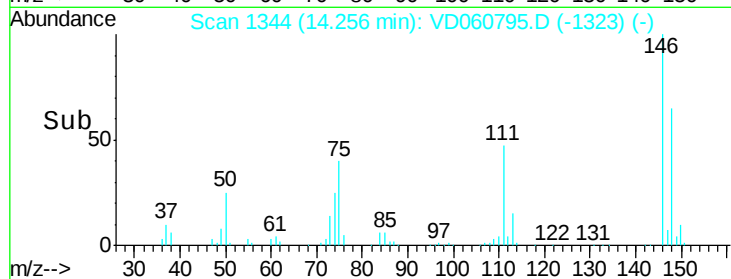
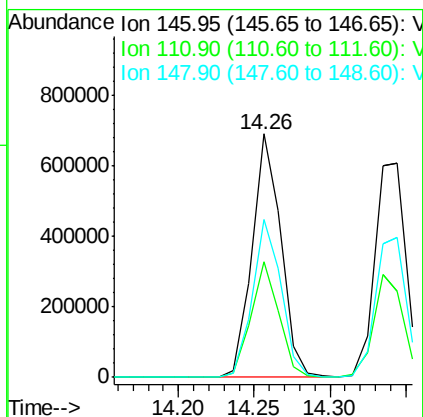
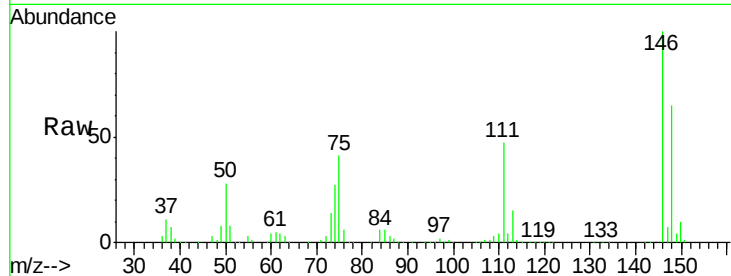




#87
 1,3-Dichlorobenzene
 Concen: 75.190 ug/l
 RT: 14.26 min Scan# 1344
 Delta R.T. 0.00 min
 Lab File: VD060795.D
 Acq: 28 Jan 2019 17:07

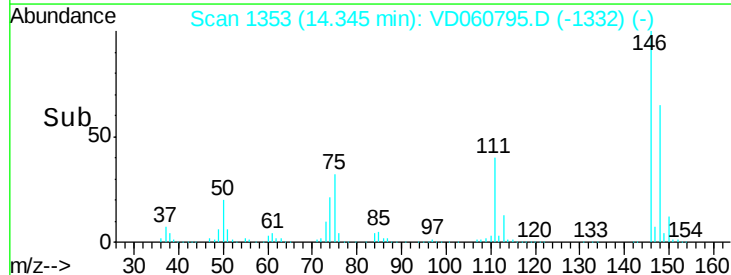
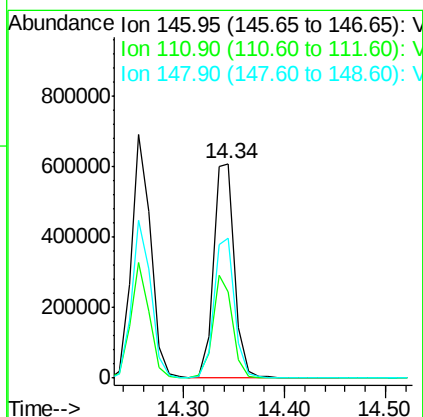
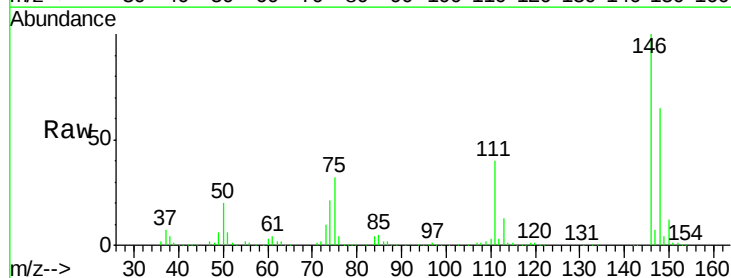
Instrument :
 MSVOA_D
 ClientSampled :

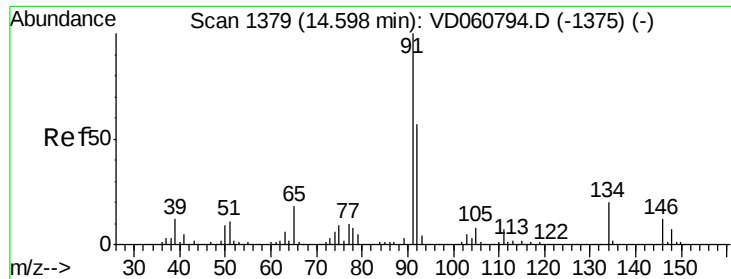
Tgt Ion:146 Resp: 917406
 Ion Ratio Lower Upper
 146 100
 111 47.4 24.3 73.0
 148 64.7 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 75.032 ug/l
 RT: 14.34 min Scan# 1353
 Delta R.T. 0.00 min
 Lab File: VD060795.D
 Acq: 28 Jan 2019 17:07

Tgt Ion:146 Resp: 889497
 Ion Ratio Lower Upper
 146 100
 111 40.2 20.6 61.8
 148 65.3 31.9 95.7

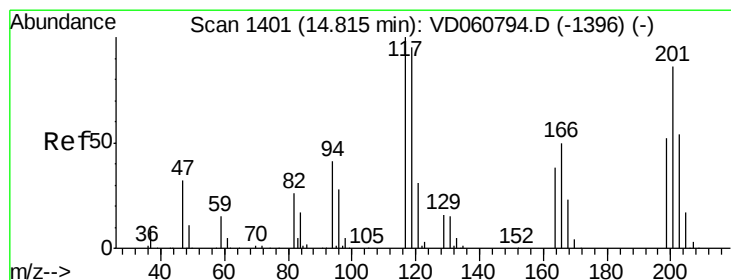
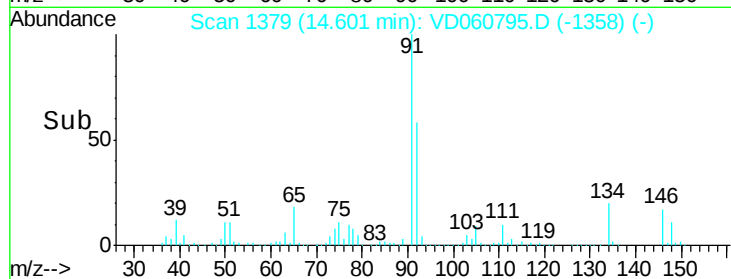
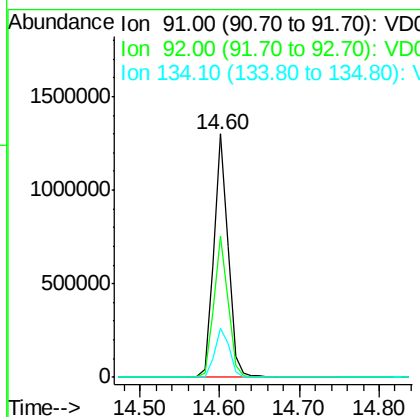
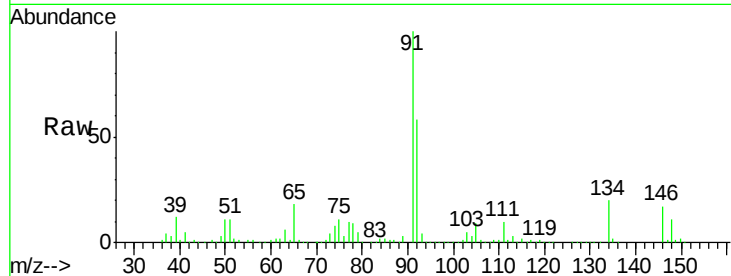




#89
n-Butylbenzene
Concen: 71.332 ug/l
RT: 14.60 min Scan# 1379
Delta R.T. 0.00 min
Lab File: VD060795.D
Acq: 28 Jan 2019 17:07

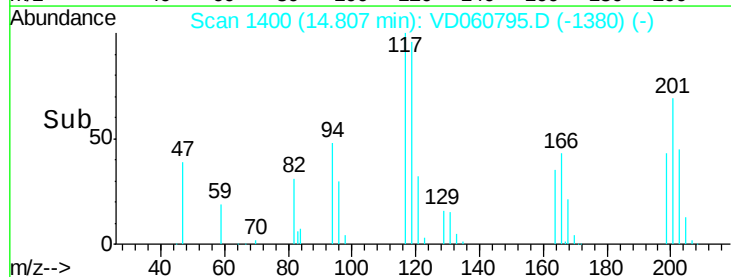
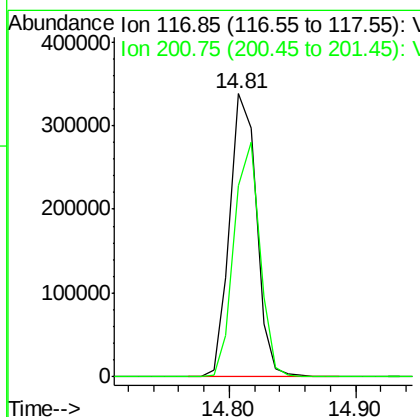
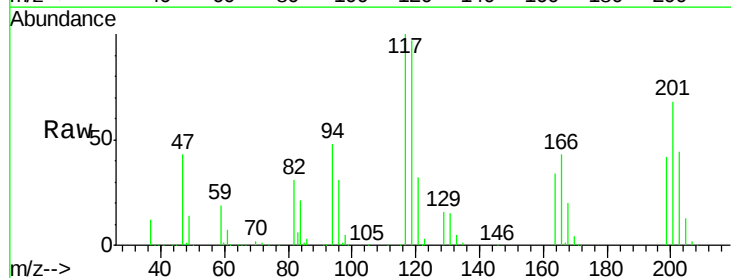
Instrument :
MSVOA_D
ClientSampleId :

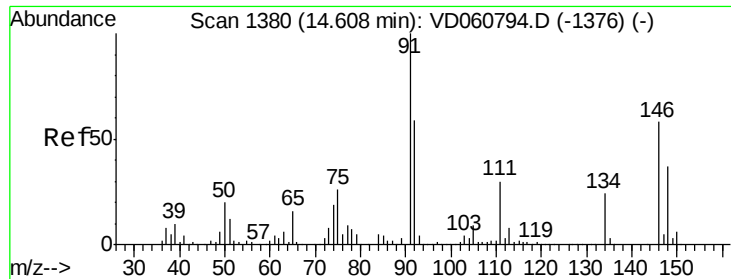
Tgt Ion: 91 Resp: 1643993
Ion Ratio Lower Upper
91 100
92 58.2 28.5 85.5
134 20.2 10.0 29.8



#90
Hexachloroethane
Concen: 75.652 ug/l
RT: 14.81 min Scan# 1400
Delta R.T. -0.01 min
Lab File: VD060795.D
Acq: 28 Jan 2019 17:07

Tgt Ion: 117 Resp: 497288
Ion Ratio Lower Upper
117 100
201 67.7 43.0 128.8

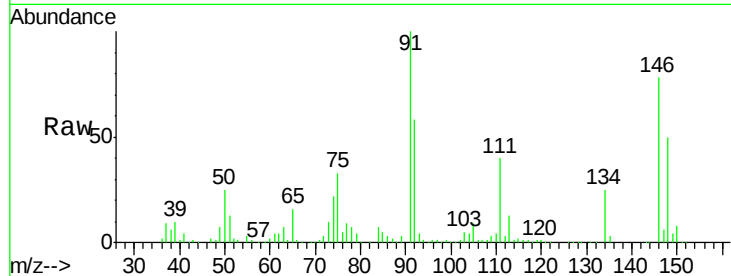




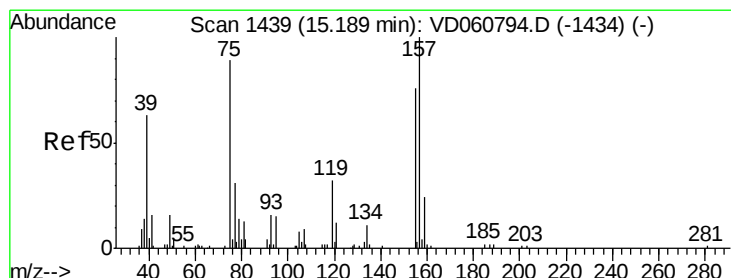
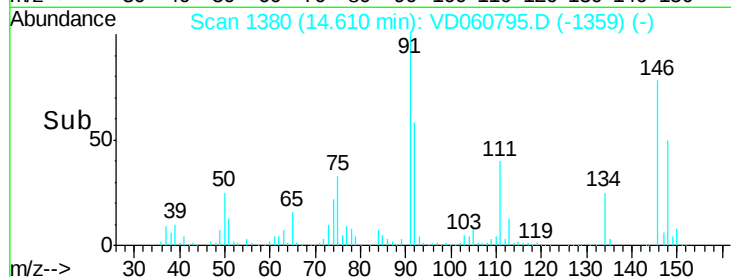
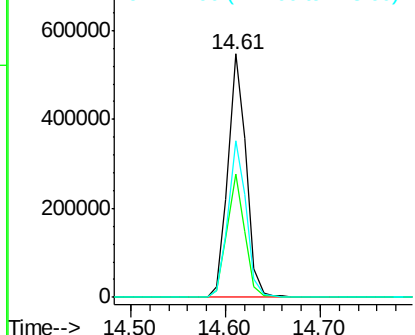
#91
 1,2-Dichlorobenzene
 Concen: 71.849 ug/l
 RT: 14.61 min Scan# 1380
 Delta R.T. 0.00 min
 Lab File: VD060795.D
 Acq: 28 Jan 2019 17:07

Instrument :
 MSVOA_D
 ClientSampleId :

Tgt Ion:146 Resp: 727647
 Ion Ratio Lower Upper
 146 100
 111 50.7 25.6 76.8
 148 64.1 31.4 94.3

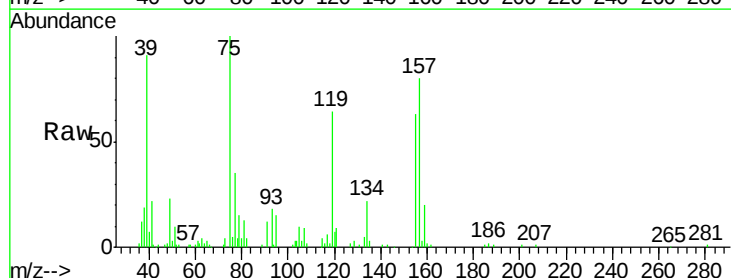


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

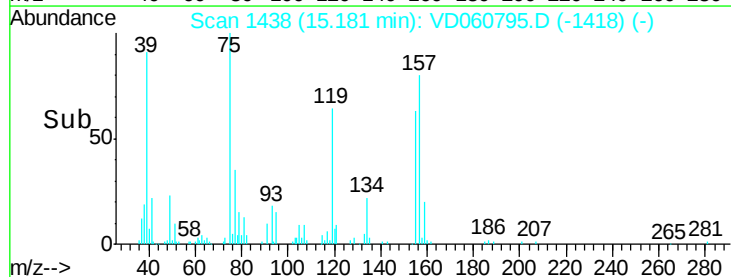
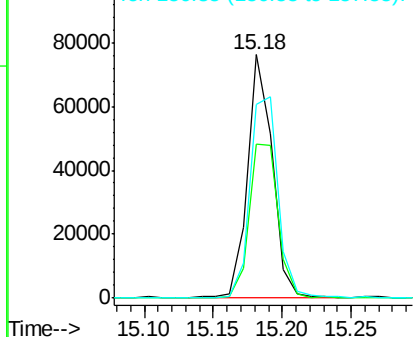


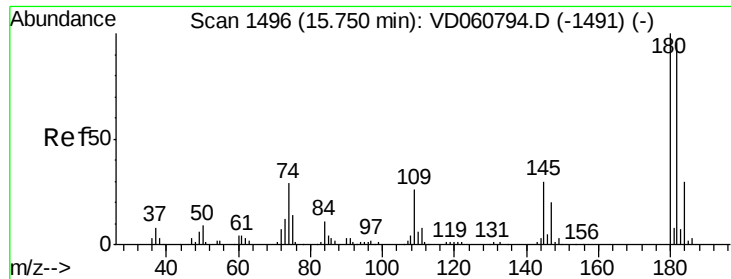
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 84.019 ug/l
 RT: 15.18 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: VD060795.D
 Acq: 28 Jan 2019 17:07

Tgt Ion: 75 Resp: 96448
 Ion Ratio Lower Upper
 75 100
 155 63.1 43.0 129.0
 157 79.7 56.3 168.9



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

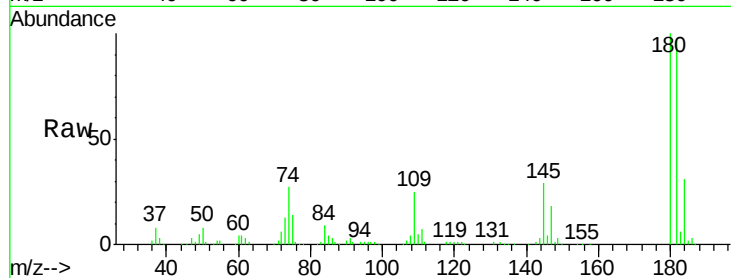




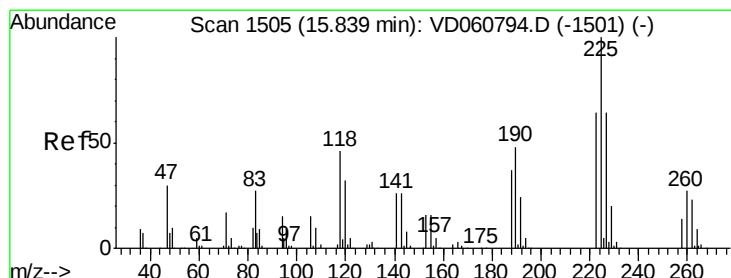
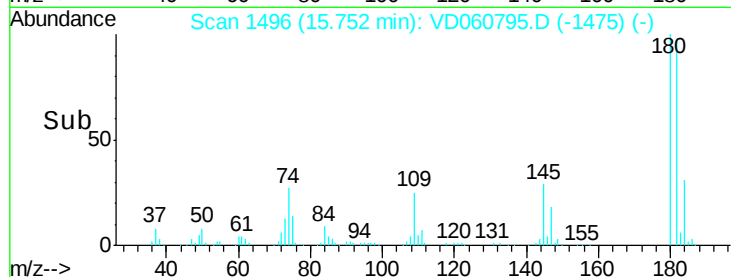
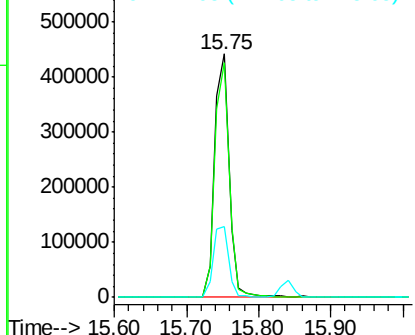
#93
 1,2,4-Trichlorobenzene
 Concen: 69.823 ug/l
 RT: 15.75 min Scan# 1496
 Delta R.T. 0.00 min
 Lab File: VD060795.D
 Acq: 28 Jan 2019 17:07

Instrument :
 MSVOA_D
 ClientSampleId :

Tgt Ion:180 Resp: 612284
 Ion Ratio Lower Upper
 180 100
 182 96.6 47.9 143.7
 145 28.9 15.0 45.1

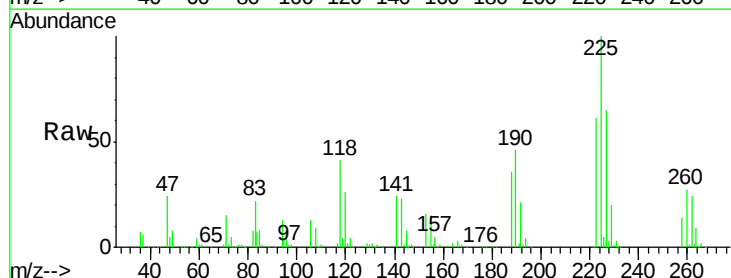


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

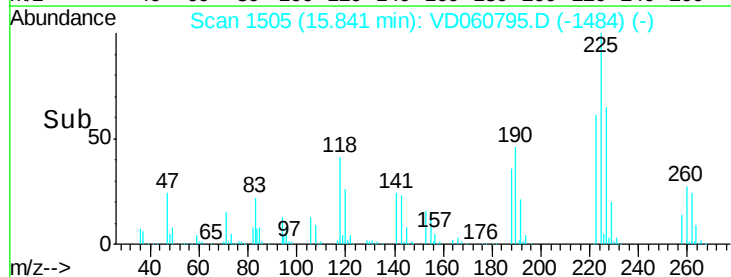
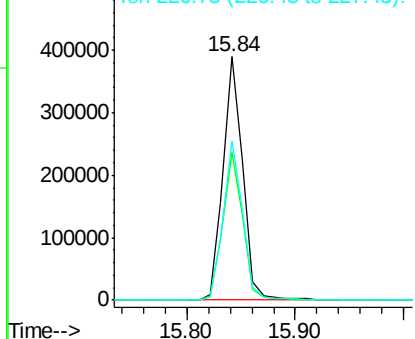


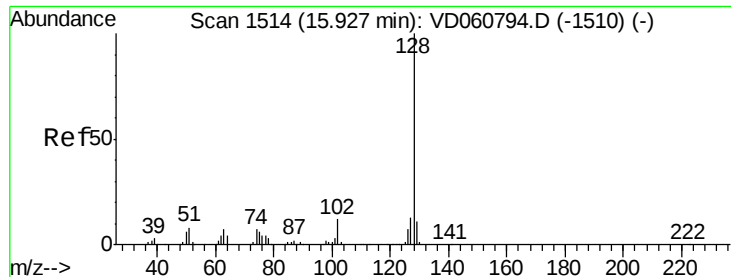
#94
 Hexachlorobutadiene
 Concen: 74.818 ug/l
 RT: 15.84 min Scan# 1505
 Delta R.T. 0.00 min
 Lab File: VD060795.D
 Acq: 28 Jan 2019 17:07

Tgt Ion:225 Resp: 492268
 Ion Ratio Lower Upper
 225 100
 223 60.6 31.8 95.4
 227 65.2 31.9 95.5



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

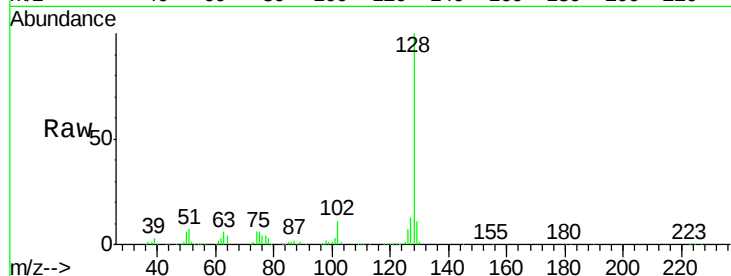




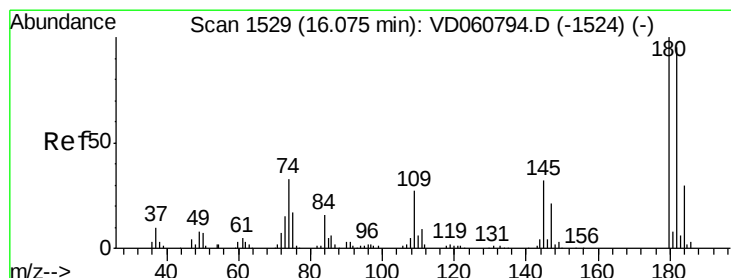
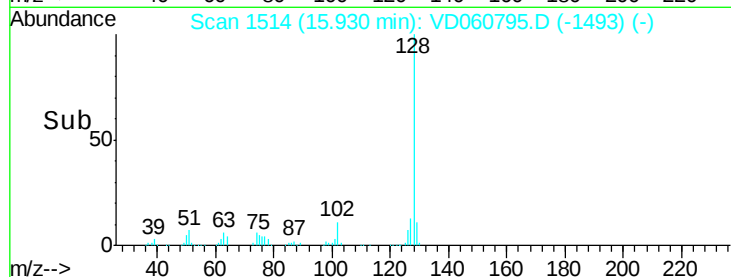
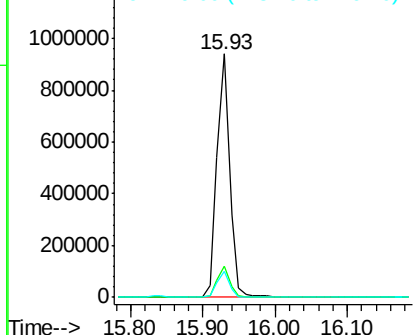
#95
Naphthalene
Concen: 84.648 ug/l
RT: 15.93 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VD060795.D
Acq: 28 Jan 2019 17:07

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 1140492
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 10.8 8.7 13.1

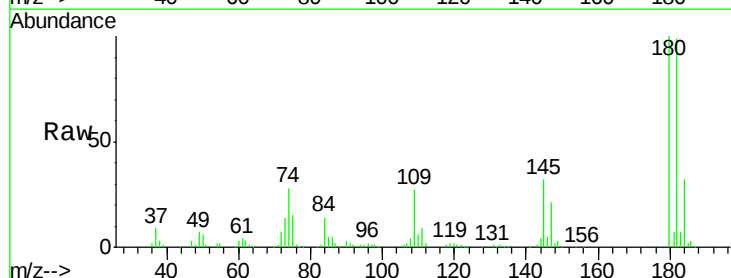


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 76.130 ug/l
RT: 16.08 min Scan# 1529
Delta R.T. 0.00 min
Lab File: VD060795.D
Acq: 28 Jan 2019 17:07

Tgt Ion:180 Resp: 580508
Ion Ratio Lower Upper
180 100
182 98.8 47.4 142.3
145 32.3 15.8 47.4



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

