

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD012819\
 Data File : VD060797.D
 Acq On : 28 Jan 2019 18:04
 Operator : JC/SY
 Sample : VSTDICV050
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD012819

Quant Time: Jan 29 07:03:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 29 06:23:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.80	168	606156	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.98	114	837415	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.15	117	693691	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.32	152	352065	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.21	65	440861	47.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.88%	
35) Dibromofluoromethane	6.68	113	398516	49.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.24%	
50) Toluene-d8	10.18	98	941960	50.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.46%	
62) 4-Bromofluorobenzene	13.35	95	447670	47.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.98%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.58	85	410596	55.713	ug/l	95
3) Chloromethane	1.76	50	231906	52.557	ug/l	91
4) Vinyl Chloride	1.85	62	247711	52.888	ug/l	93
5) Bromomethane	2.13	94	91267	59.341	ug/l	94
6) Chloroethane	2.24	64	99666	56.791	ug/l #	87
7) Trichlorofluoromethane	2.49	101	477857	51.830	ug/l	98
8) Diethyl Ether	2.80	74	73428	54.048	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.06	101	240731	51.521	ug/l	97
10) Methyl Iodide	3.21	142	259826	53.113	ug/l	98
11) Tert butyl alcohol	3.92	59	120980	272.418	ug/l	99
12) 1,1-Dichloroethene	3.04	96	167608	52.493	ug/l	97
13) Acrolein	2.95	56	41443	279.078	ug/l	89
14) Allyl chloride	3.50	41	383860	51.660	ug/l #	96
15) Acrylonitrile	4.03	53	279008	280.394	ug/l	96
16) Acetone	3.13	43	327317	244.802	ug/l	99
17) Carbon Disulfide	3.28	76	541080	47.840	ug/l	97
18) Methyl Acetate	3.52	43	138439	52.029	ug/l	94
19) Methyl tert-butyl Ether	4.07	73	793711	54.449	ug/l	96
20) Methylene Chloride	3.68	84	302649	51.411	ug/l	96
21) trans-1,2-Dichloroethene	4.05	96	301280	53.525	ug/l	98
22) Diisopropyl ether	4.89	45	992546	51.836	ug/l	90
23) Vinyl Acetate	4.83	43	2910418	263.945	ug/l	100
24) 1,1-Dichloroethane	4.77	63	653768	52.156	ug/l	99
25) 2-Butanone	5.83	43	491101	285.864	ug/l	97
26) 2,2-Dichloropropane	5.78	77	690842	52.306	ug/l	99
27) cis-1,2-Dichloroethene	5.79	96	347381	54.187	ug/l	87
28) Bromochloromethane	6.20	49	248886	50.898	ug/l	93
29) Tetrahydrofuran	6.23	42	210924	255.666	ug/l	98
30) Chloroform	6.42	83	759649	51.274	ug/l	97
31) Cyclohexane	6.72	56	447520	52.473	ug/l	93
32) 1,1,1-Trichloroethane	6.63	97	743469	52.110	ug/l	97
36) 1,1-Dichloropropene	6.91	75	517926	51.800	ug/l	98
37) Ethyl Acetate	5.93	43	215746	48.338	ug/l	98
38) Carbon Tetrachloride	6.87	117	659816	52.626	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.63	83	405717	48.454	ug/l	92
40) Benzene	7.21	78	1018324	51.603	ug/l	96
41) Methacrylonitrile	6.22	41	283258	96.513	ug/l #	96
42) 1,2-Dichloroethane	7.34	62	617015	53.822	ug/l	100
43) Isopropyl Acetate	9.00	43	324218	55.695	ug/l #	99
44) Trichloroethene	8.30	130	367234	54.895	ug/l	95
45) 1,2-Dichloropropane	8.71	63	272472	51.006	ug/l	97
46) Dibromomethane	8.83	93	220116	53.079	ug/l	96
47) Bromodichloromethane	9.14	83	575078	51.377	ug/l	98
48) Methyl methacrylate	8.88	41	207106	51.592	ug/l	95
49) 1,4-Dioxane	8.86	88	36057	1035.088	ug/l	97
51) 4-Methyl-2-Pentanone	10.08	43	1003082	266.082	ug/l	100
52) Toluene	10.28	92	637964	50.965	ug/l	99
53) t-1,3-Dichloropropene	10.69	75	535084	54.346	ug/l	95
54) cis-1,3-Dichloropropene	9.81	75	549887	54.463	ug/l	98
55) 1,1,2-Trichloroethane	10.97	97	225925	52.937	ug/l	93
56) Ethyl methacrylate	10.82	69	281090	54.370	ug/l	95
57) 1,3-Dichloropropane	11.19	76	359860	49.337	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.63	63	689022	254.002	ug/l	99
59) 2-Hexanone	11.32	43	752398	265.440	ug/l	98
60) Dibromochloromethane	11.47	129	394331	51.395	ug/l	99
61) 1,2-Dibromoethane	11.59	107	260866	51.902	ug/l	100
64) Tetrachloroethene	11.04	164	293951	46.172	ug/l	97
65) Chlorobenzene	12.19	112	777934	49.074	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.30	131	340505	49.996	ug/l	98
67) Ethyl Benzene	12.31	91	1389953	48.761	ug/l	98
68) m/p-Xylenes	12.46	106	880102	94.899	ug/l	97
69) o-Xylene	12.84	106	411753	44.858	ug/l	91
70) Styrene	12.87	104	661403	42.969	ug/l	95
71) Bromoform	13.03	173	263463	51.343	ug/l #	96
73) Isopropylbenzene	13.20	105	1234495	43.979	ug/l	100
74) N-amyl acetate	13.06	43	437607	50.710	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.50	83	244491	47.835	ug/l	98
76) 1,2,3-Trichloropropane	13.53	75	307897	47.691	ug/l	99
77) Bromobenzene	13.47	156	350050	48.512	ug/l	87
78) n-propylbenzene	13.57	91	1597664	45.339	ug/l	95
79) 2-Chlorotoluene	13.64	91	1040946	48.432	ug/l	96
80) 1,3,5-Trimethylbenzene	14.03	105	1103885	45.680	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.28	75	80962	48.102	ug/l	87
82) 4-Chlorotoluene	13.75	91	1173558	49.128	ug/l	96
83) tert-Butylbenzene	13.99	119	1222771	48.364	ug/l	89
84) 1,2,4-Trimethylbenzene	14.03	105	1103885	45.680	ug/l	97
85) sec-Butylbenzene	14.17	105	1416637	49.224	ug/l	95
86) p-Isopropyltoluene	14.29	119	1134870	48.570	ug/l	98
87) 1,3-Dichlorobenzene	14.26	146	636177	49.292	ug/l	94
88) 1,4-Dichlorobenzene	14.34	146	599215	47.784	ug/l	96
89) n-Butylbenzene	14.60	91	1069053	43.852	ug/l	98
90) Hexachloroethane	14.81	117	345636	49.709	ug/l	89
91) 1,2-Dichlorobenzene	14.61	146	482378	45.029	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.19	75	61655	50.775	ug/l	88

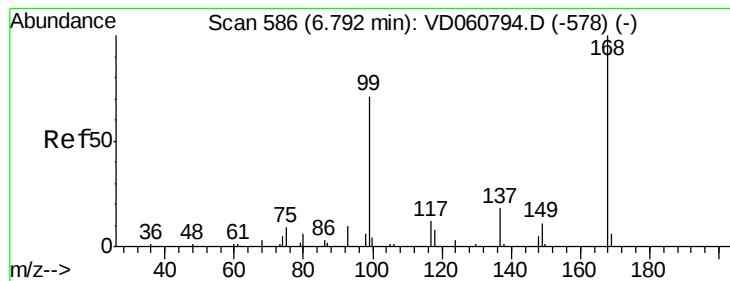
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Quant Title : SW846 8260
QLast Update : Tue Jan 29 06:23:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.75	180	463810	50.002	ug/l	98
94) Hexachlorobutadiene	15.84	225	330302	47.459	ug/l	97
95) Naphthalene	15.92	128	725820	50.928	ug/l	100
96) 1,2,3-Trichlorobenzene	16.07	180	380958	47.231	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.80 min Scan# 586

Delta R.T. 0.01 min

Lab File: VD060797.D

Acq: 28 Jan 2019 18:04

Instrument :

MSVOA_D

ClientSampleId :

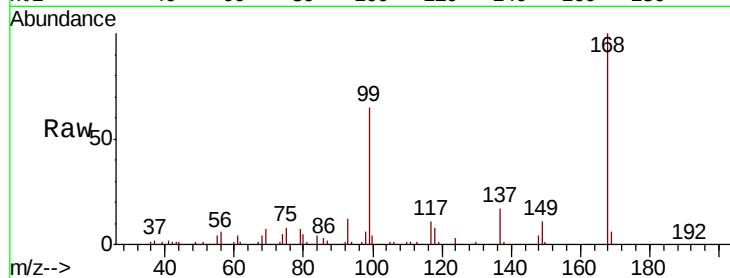
ICVVD012819

Tgt Ion:168 Resp: 606156

Ion Ratio Lower Upper

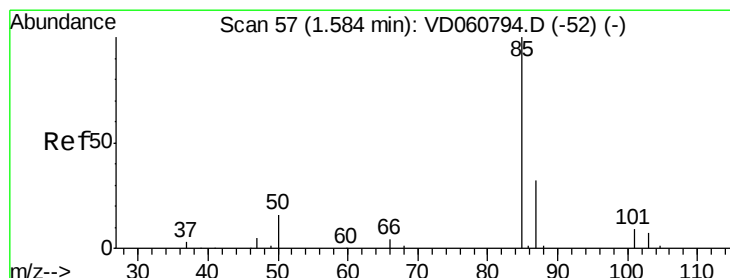
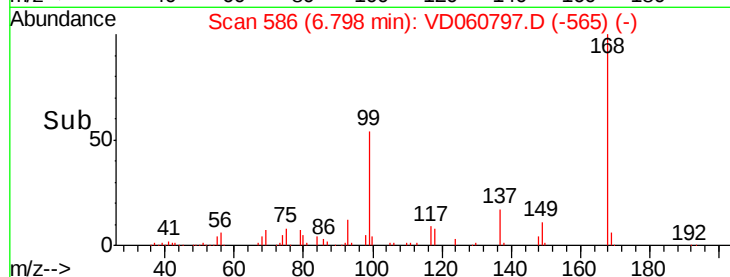
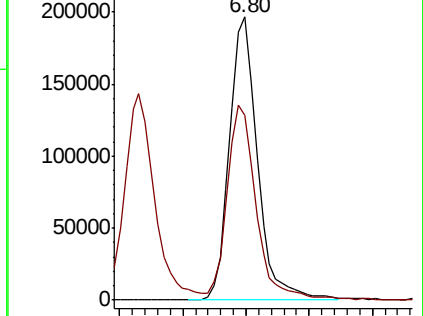
168 100

99 65.4 59.2 88.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 55.713 ug/l

RT: 1.58 min Scan# 56

Delta R.T. -0.00 min

Lab File: VD060797.D

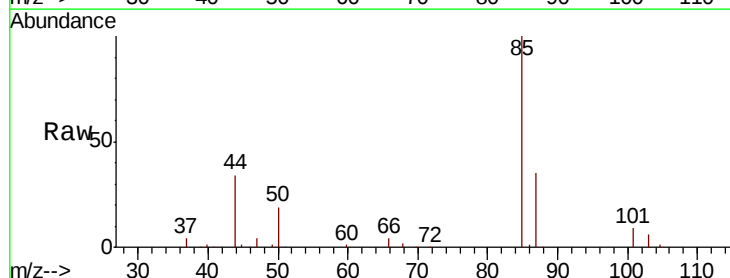
Acq: 28 Jan 2019 18:04

Tgt Ion: 85 Resp: 410596

Ion Ratio Lower Upper

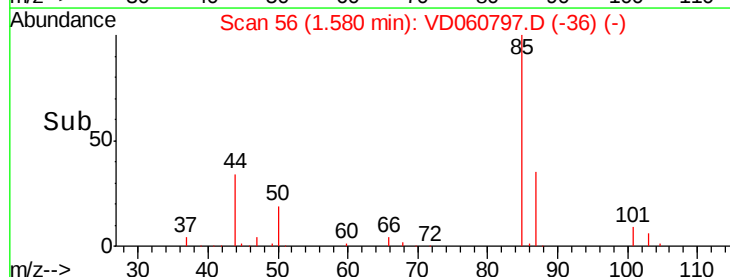
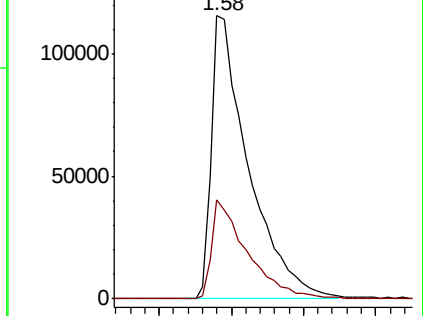
85 100

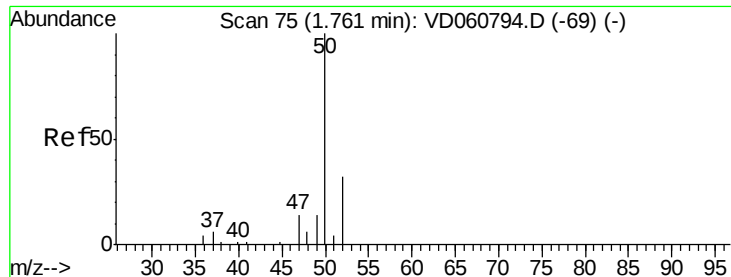
87 35.0 16.2 48.5



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 52.557 ug/l

RT: 1.76 min Scan# 74

Delta R.T. -0.00 min

Lab File: VD060797.D

Acq: 28 Jan 2019 18:04

Instrument :

MSVOA_D

ClientSampleId :

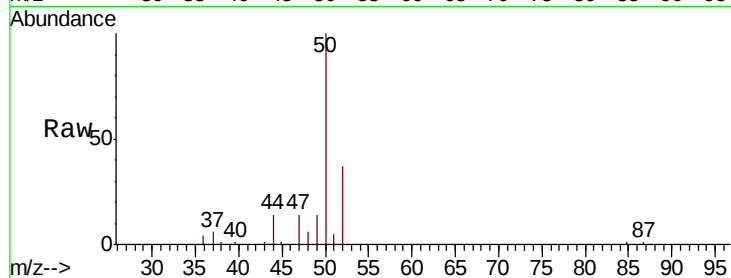
ICVVD012819

Tgt Ion: 50 Resp: 231906

Ion Ratio Lower Upper

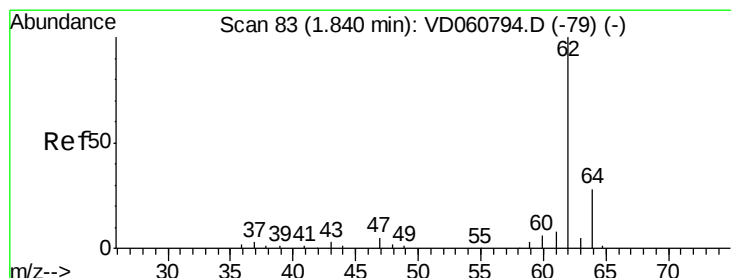
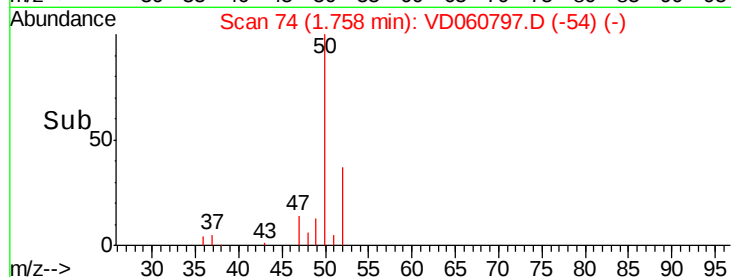
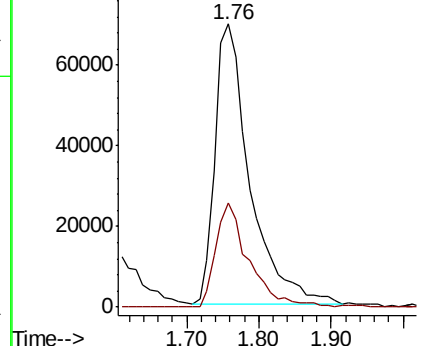
50 100

52 36.7 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: 52.888 ug/l

RT: 1.85 min Scan# 83

Delta R.T. 0.01 min

Lab File: VD060797.D

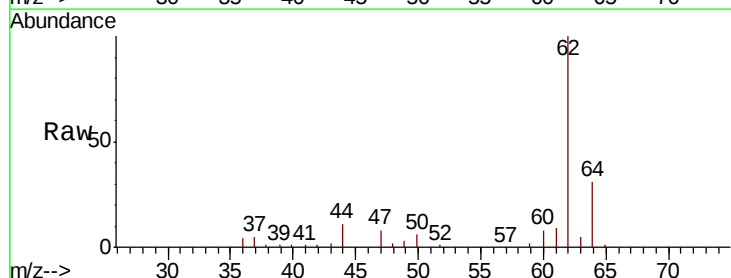
Acq: 28 Jan 2019 18:04

Tgt Ion: 62 Resp: 247711

Ion Ratio Lower Upper

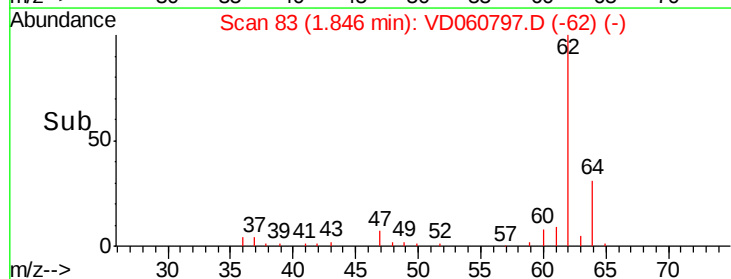
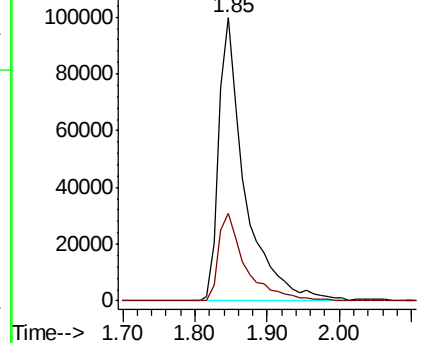
62 100

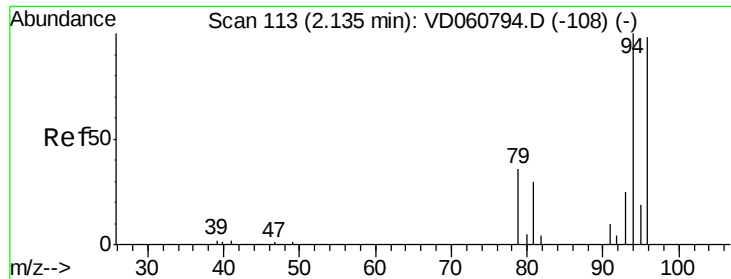
64 31.1 22.1 33.1



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 59.341 ug/l

RT: 2.13 min Scan# 112

Delta R.T. -0.00 min

Lab File: VD060797.D

Acq: 28 Jan 2019 18:04

Instrument :

MSVOA_D

ClientSampleId :

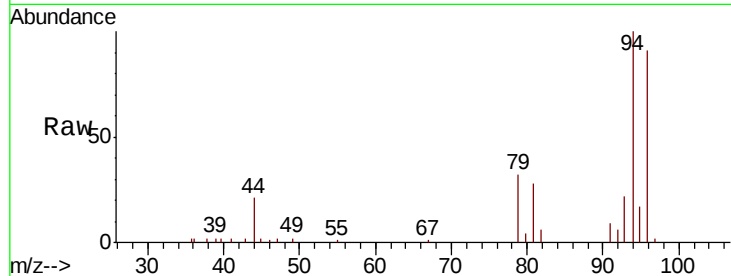
ICVVD012819

Tgt Ion: 94 Resp: 91267

Ion Ratio Lower Upper

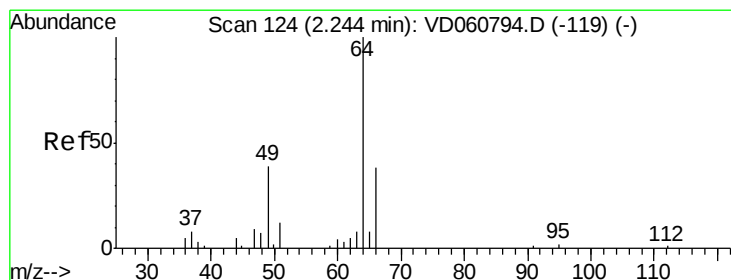
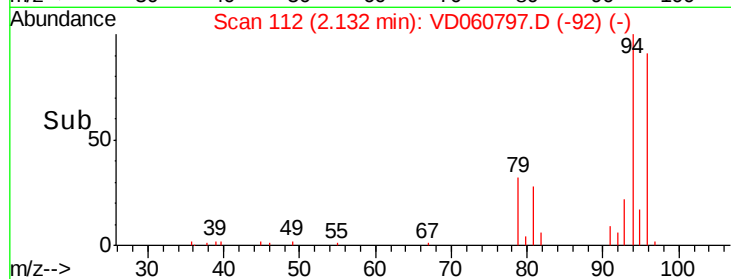
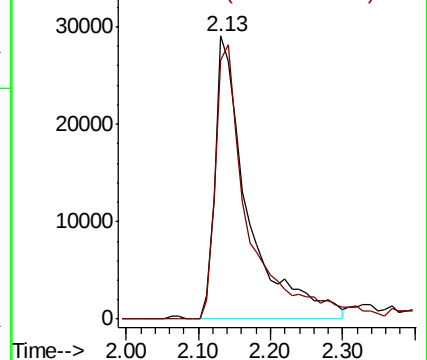
94 100

96 91.4 78.0 117.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 56.791 ug/l

RT: 2.24 min Scan# 123

Delta R.T. -0.00 min

Lab File: VD060797.D

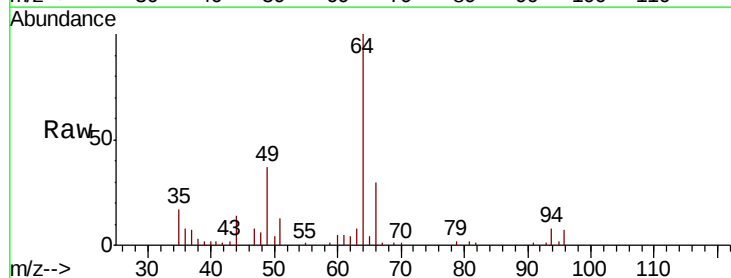
Acq: 28 Jan 2019 18:04

Tgt Ion: 64 Resp: 99666

Ion Ratio Lower Upper

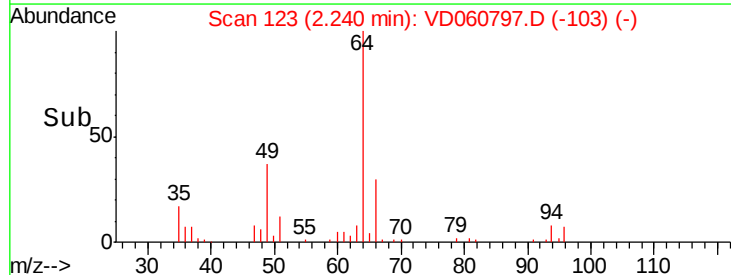
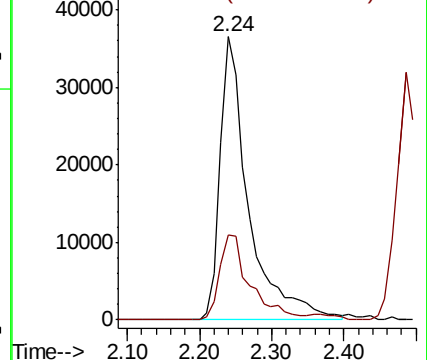
64 100

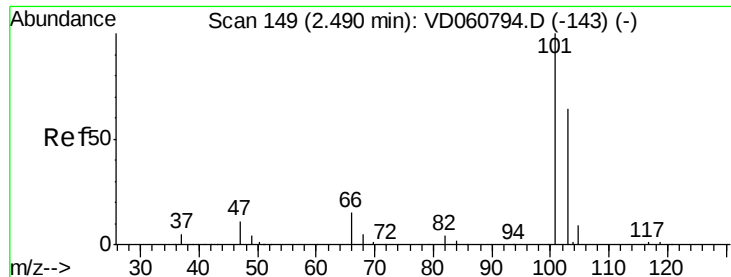
66 29.9 30.2 45.4#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



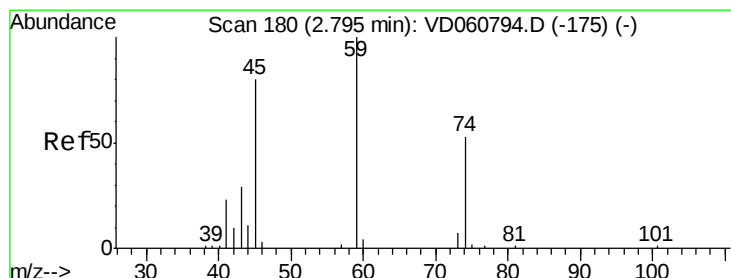
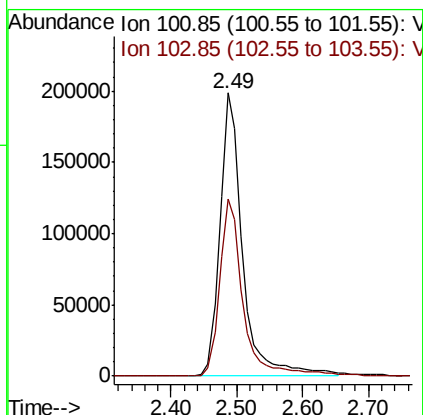
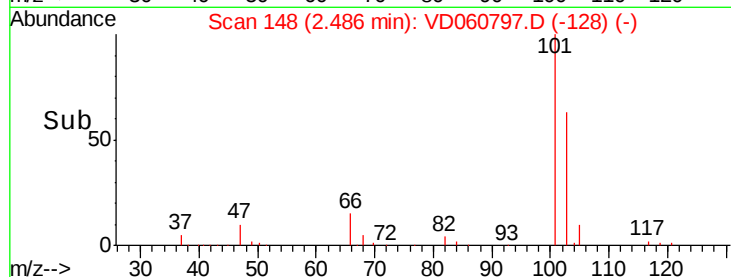
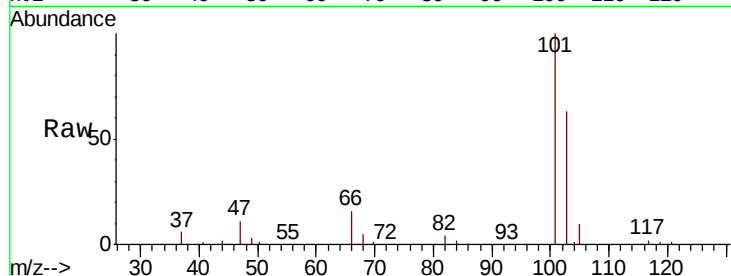


#7

Trichlorofluoromethane
Concen: 51.830 ug/l
RT: 2.49 min Scan# 148
Delta R.T. -0.00 min
Lab File: VD060797.D
Acq: 28 Jan 2019 18:04

Instrument :
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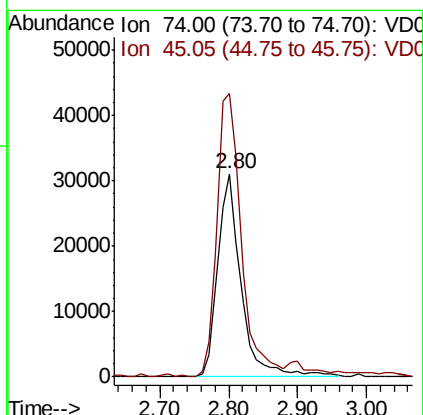
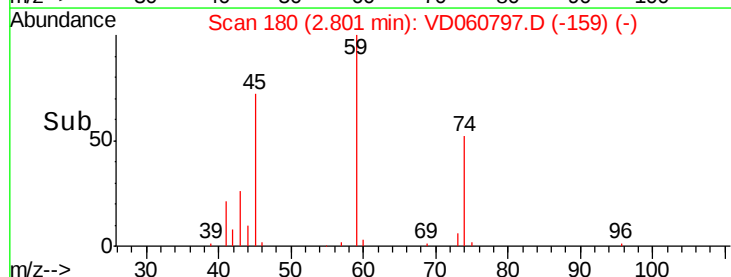
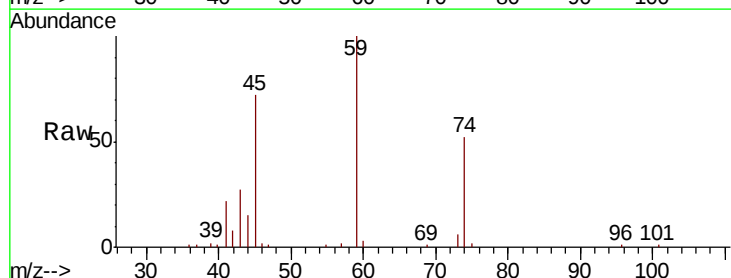
Tgt Ion:101 Resp: 477857
Ion Ratio Lower Upper
101 100
103 62.7 51.3 76.9

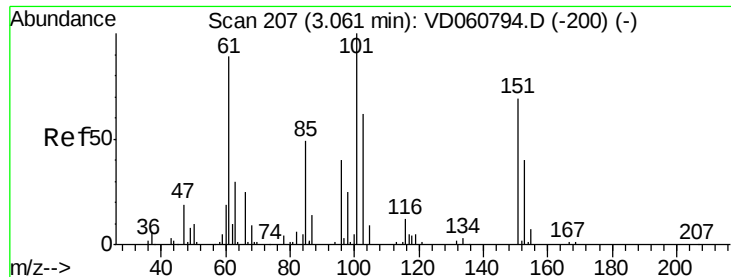


#8

Diethyl Ether
Concen: 54.048 ug/l
RT: 2.80 min Scan# 180
Delta R.T. 0.01 min
Lab File: VD060797.D
Acq: 28 Jan 2019 18:04

Tgt Ion: 74 Resp: 73428
Ion Ratio Lower Upper
74 100
45 139.6 75.6 226.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.521 ug/l

RT: 3.06 min Scan# 206

Delta R.T. -0.00 min

Lab File: VD060797.D

Acq: 28 Jan 2019 18:04

Instrument :

MSVOA_D

ClientSampleId :

ICVVD012819

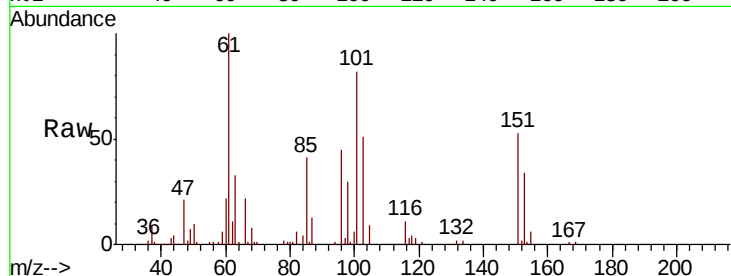
Tgt Ion:101 Resp: 240731

Ion Ratio Lower Upper

101 100

85 49.9 39.3 58.9

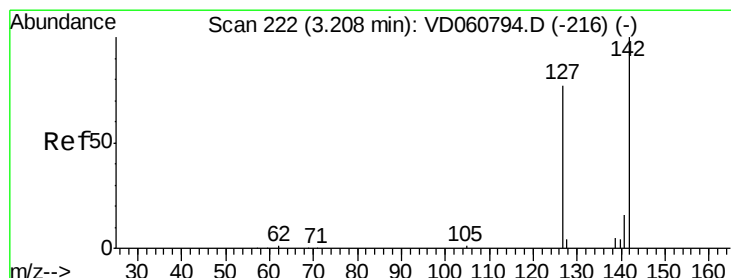
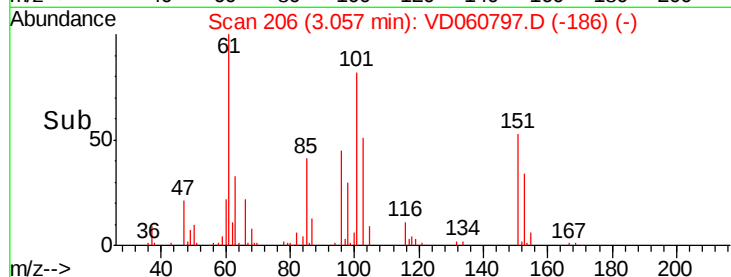
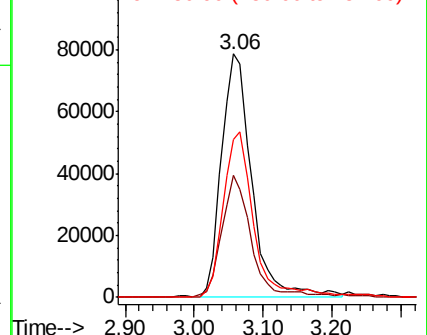
151 65.1 55.1 82.7



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: 53.113 ug/l

RT: 3.21 min Scan# 222

Delta R.T. 0.01 min

Lab File: VD060797.D

Acq: 28 Jan 2019 18:04

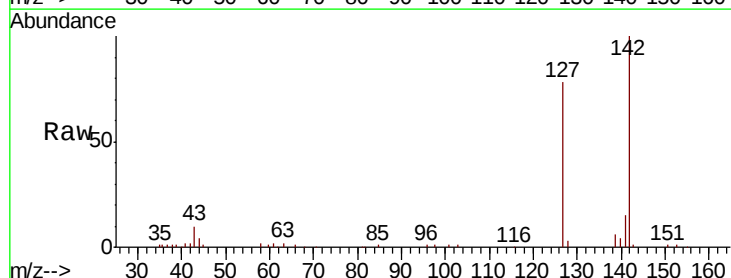
Tgt Ion:142 Resp: 259826

Ion Ratio Lower Upper

142 100

127 78.5 61.6 92.4

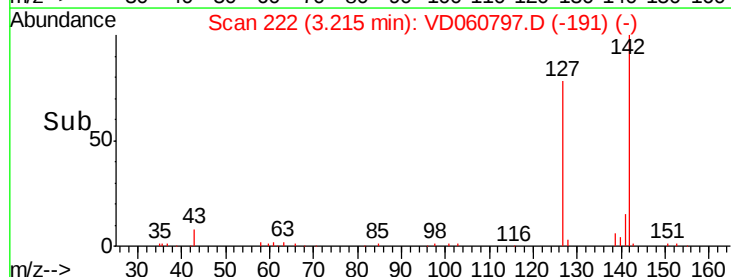
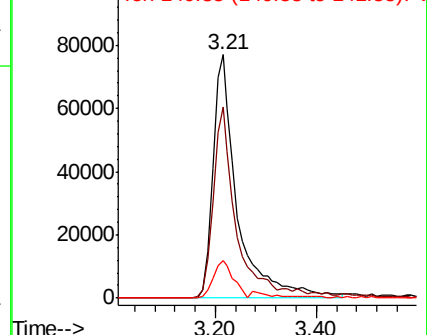
141 15.3 12.5 18.7

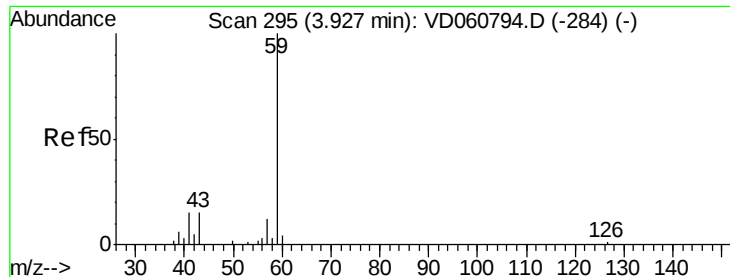


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

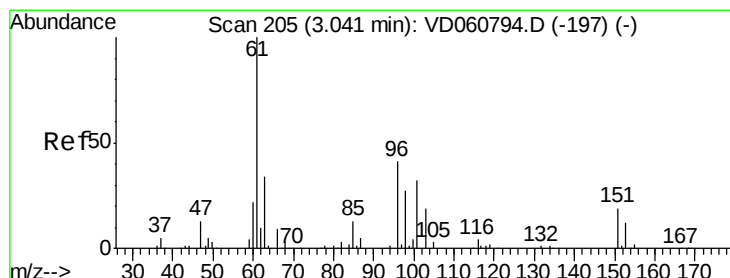
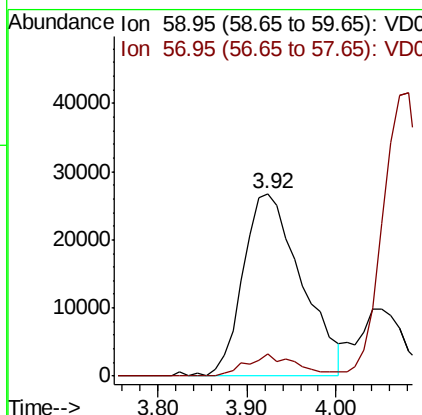
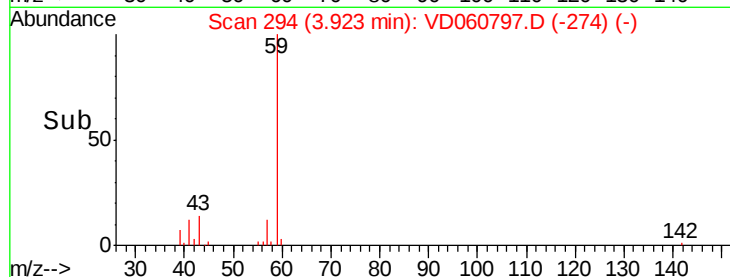
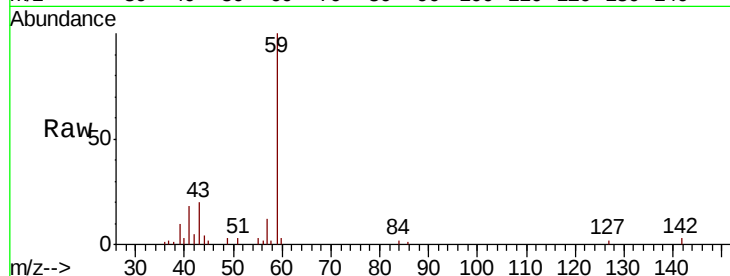




#11
Tert butyl alcohol
Concen: 272.418 ug/l
RT: 3.92 min Scan# 294
Delta R.T. -0.00 min
Lab File: VD060797.D
Acq: 28 Jan 2019 18:04

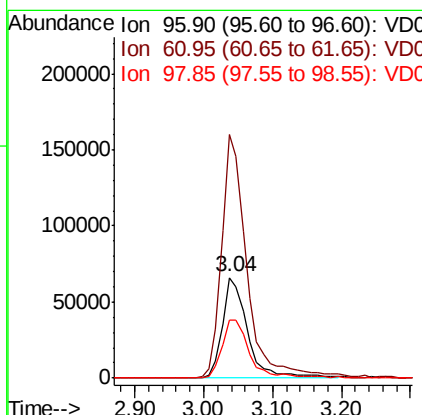
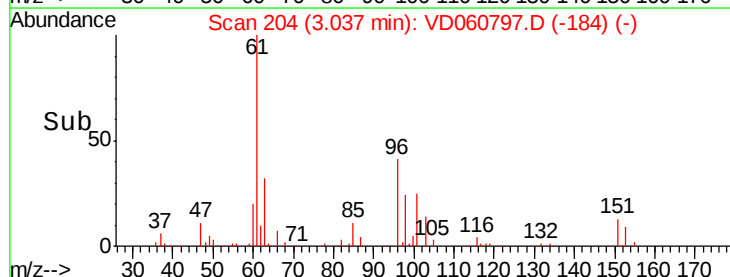
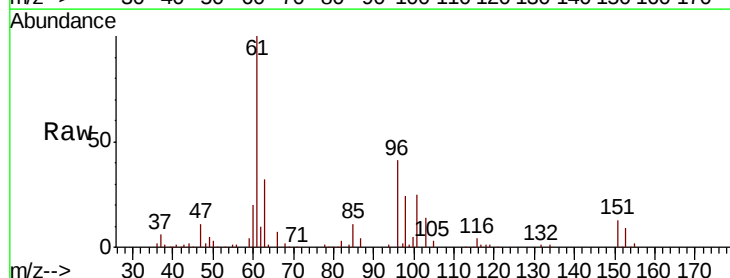
Instrument :
MSVOA_D
ClientSampleId :
ICVVD012819

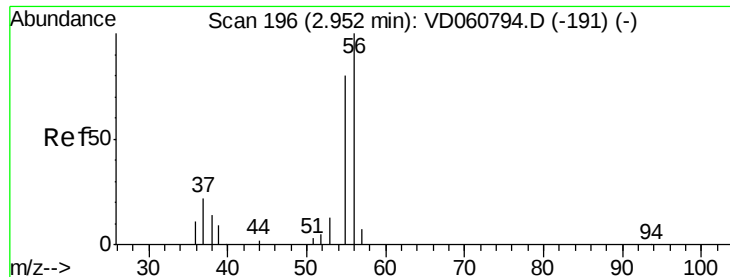
Tgt Ion: 59 Resp: 120980
Ion Ratio Lower Upper
59 100
57 12.4 9.8 14.6



#12
1,1-Dichloroethene
Concen: 52.493 ug/l
RT: 3.04 min Scan# 204
Delta R.T. -0.00 min
Lab File: VD060797.D
Acq: 28 Jan 2019 18:04

Tgt Ion: 96 Resp: 167608
Ion Ratio Lower Upper
96 100
61 242.4 195.1 292.7
98 58.0 52.5 78.7





#13

Acrolein

Concen: 279.078 ug/l

RT: 2.95 min Scan# 195

Delta R.T. -0.00 min

Lab File: VD060797.D

Acq: 28 Jan 2019 18:04

Instrument :

MSVOA_D

ClientSampleId :

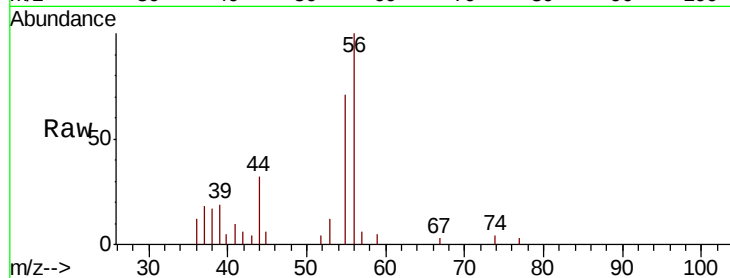
ICVVD012819

Tgt Ion: 56 Resp: 41443

Ion Ratio Lower Upper

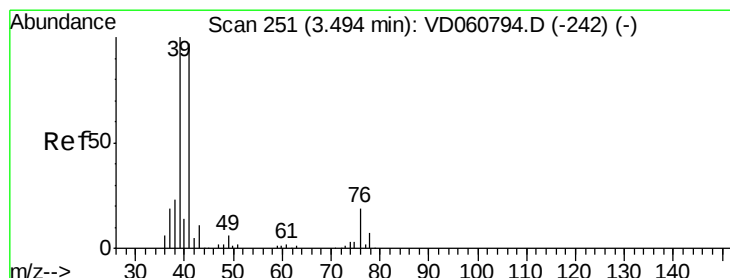
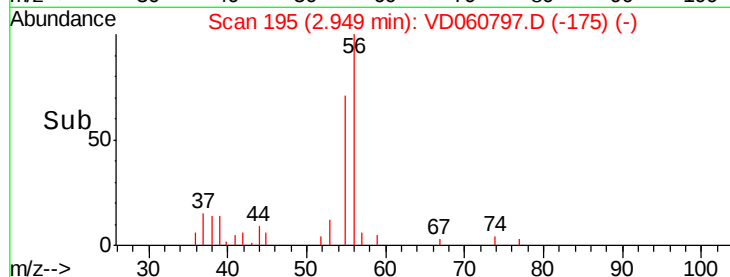
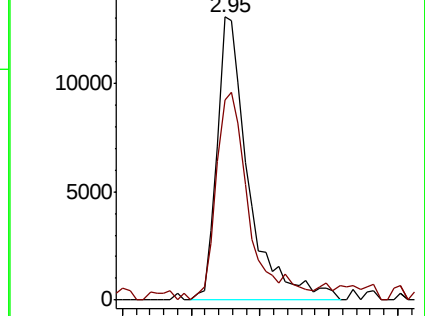
56 100

55 70.8 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: 51.660 ug/l

RT: 3.50 min Scan# 251

Delta R.T. 0.01 min

Lab File: VD060797.D

Acq: 28 Jan 2019 18:04

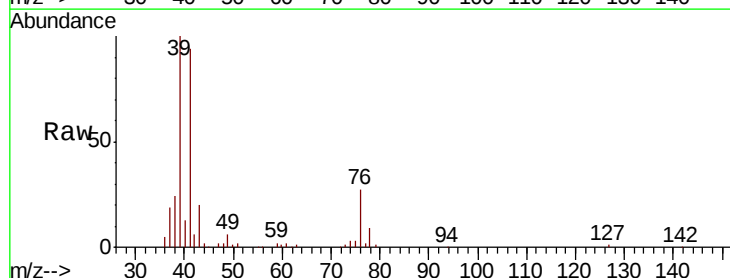
Tgt Ion: 41 Resp: 383860

Ion Ratio Lower Upper

41 100

39 106.3 82.6 123.8

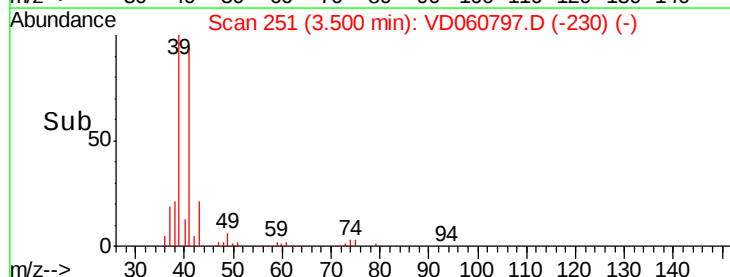
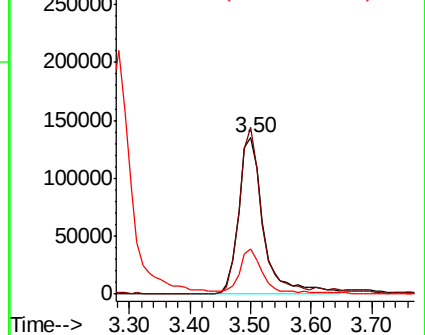
76 28.8 18.9 28.3#

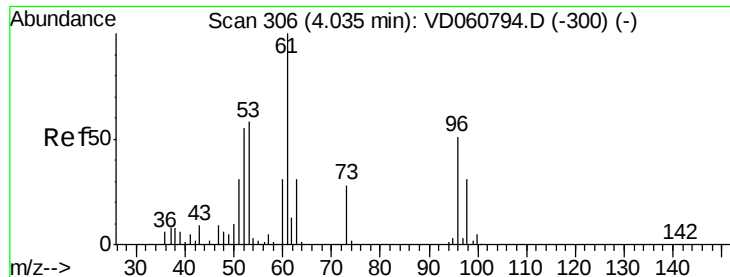


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 280.394 ug/l

RT: 4.03 min Scan# 305

Delta R.T. -0.00 min

Lab File: VD060797.D

Acq: 28 Jan 2019 18:04

Instrument :

MSVOA_D

ClientSampleId :

ICVVD012819

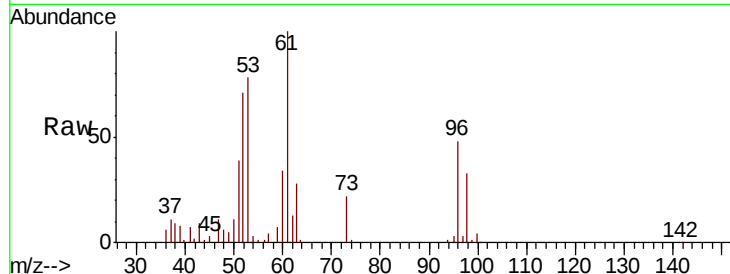
Tgt Ion: 53 Resp: 279008

Ion Ratio Lower Upper

53 100

52 90.4 75.4 113.2

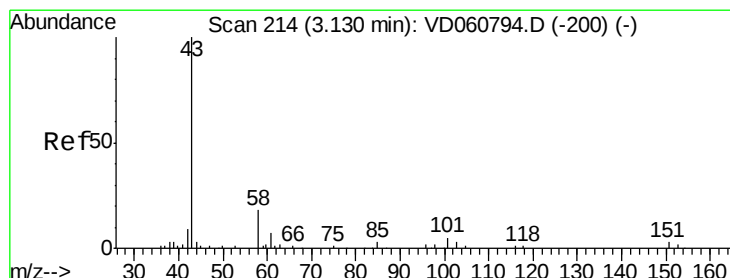
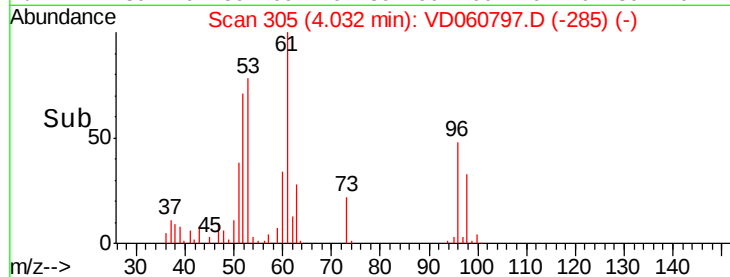
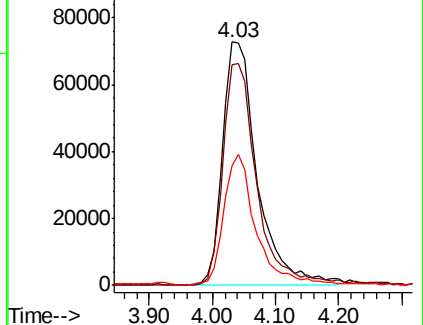
51 49.3 42.5 63.7



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: 244.802 ug/l

RT: 3.13 min Scan# 213

Delta R.T. -0.00 min

Lab File: VD060797.D

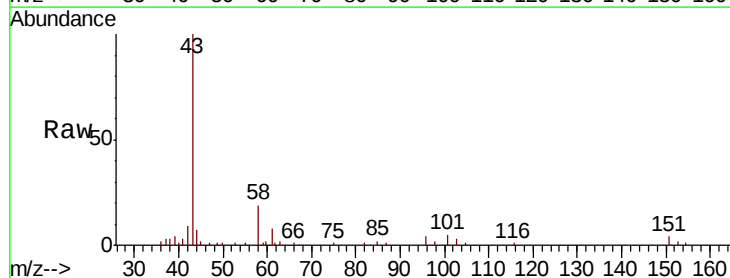
Acq: 28 Jan 2019 18:04

Tgt Ion: 43 Resp: 327317

Ion Ratio Lower Upper

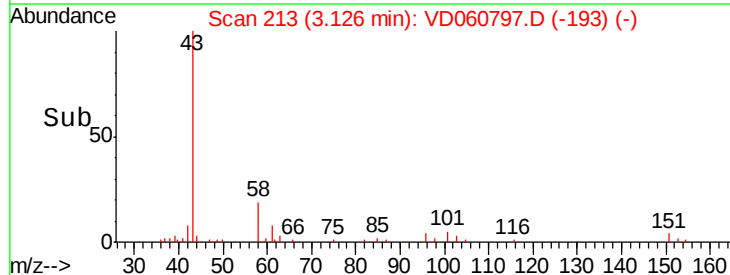
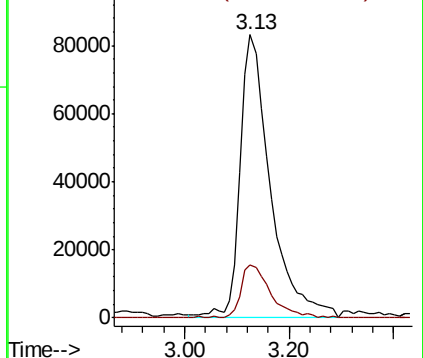
43 100

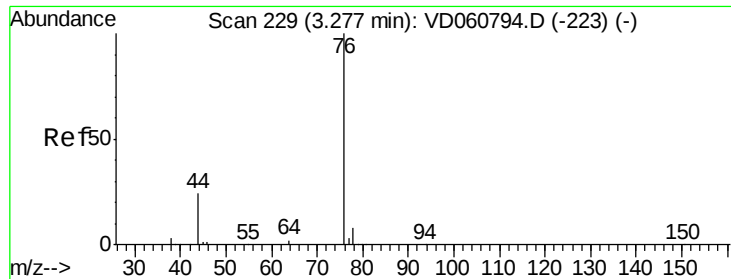
58 18.7 14.5 21.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

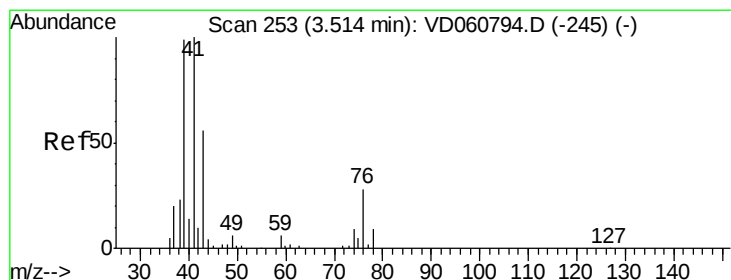
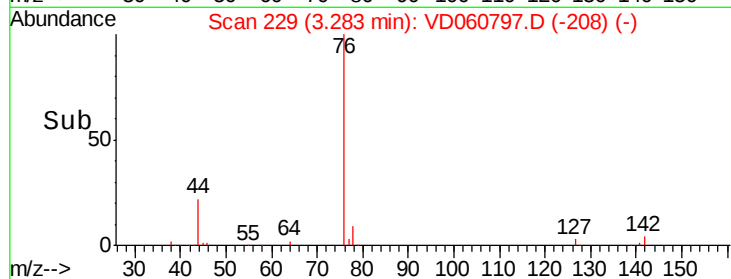
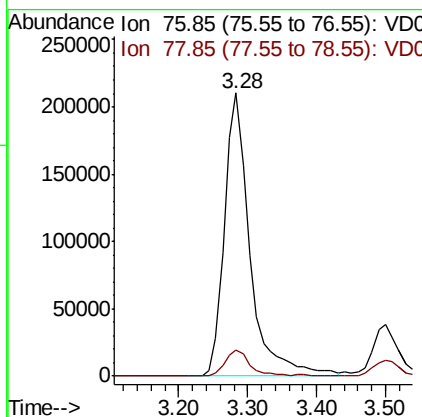
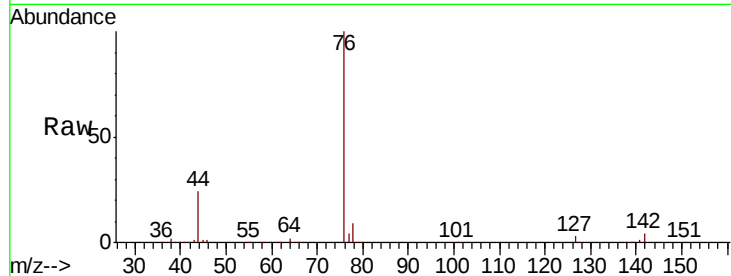




#17
Carbon Disulfide
Concen: 47.840 ug/l
RT: 3.28 min Scan# 229
Delta R.T. 0.01 min
Lab File: VD060797.D
Acq: 28 Jan 2019 18:04

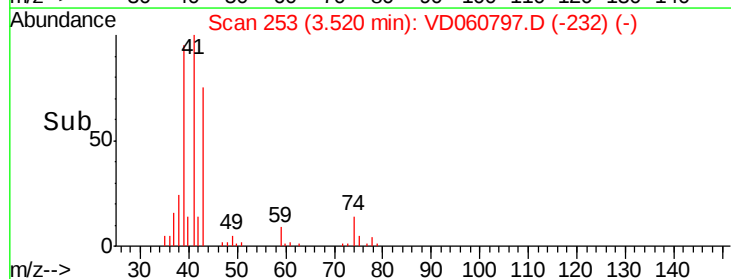
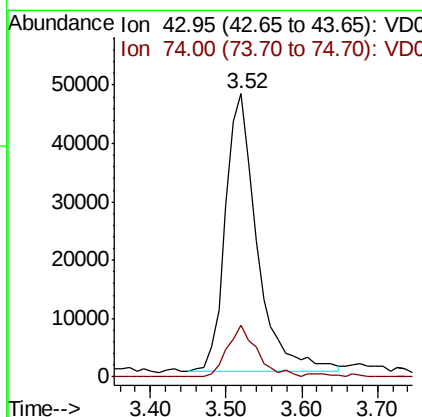
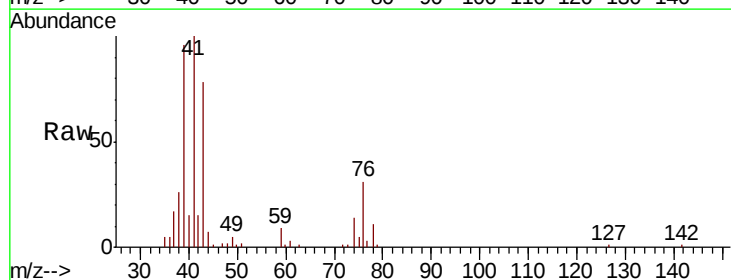
Instrument :
MSVOA_D
ClientSampleId :
ICVVD012819

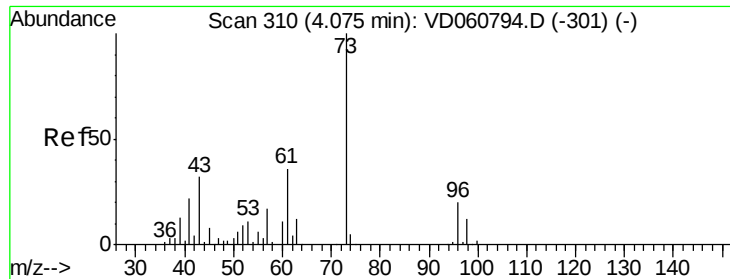
Tgt Ion: 76 Resp: 541080
Ion Ratio Lower Upper
76 100
78 9.2 6.5 9.7



#18
Methyl Acetate
Concen: 52.029 ug/l
RT: 3.52 min Scan# 253
Delta R.T. 0.01 min
Lab File: VD060797.D
Acq: 28 Jan 2019 18:04

Tgt Ion: 43 Resp: 138439
Ion Ratio Lower Upper
43 100
74 18.3 12.5 18.7



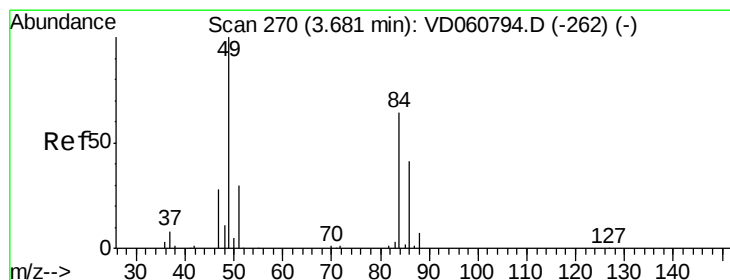
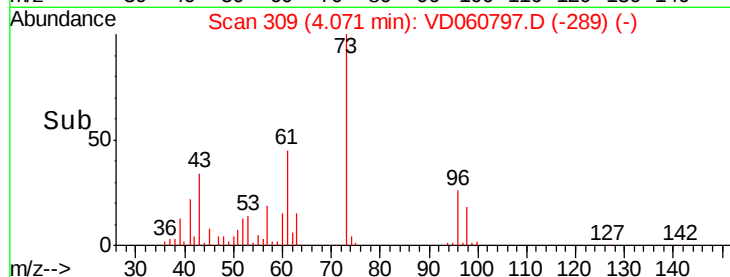
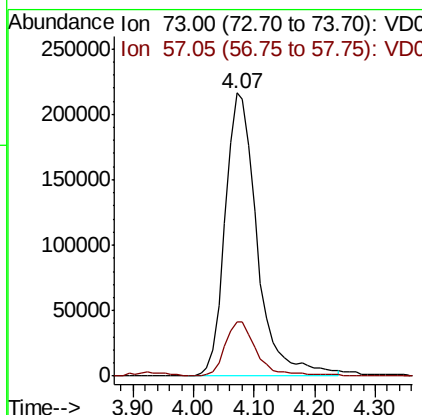
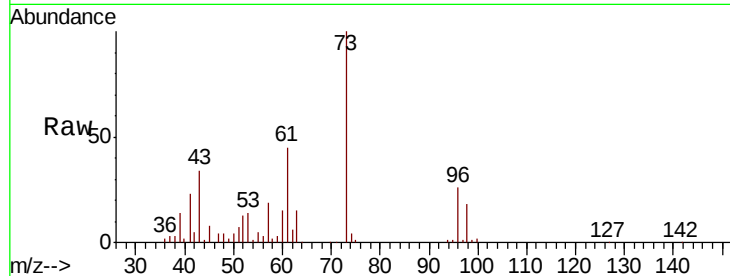


#19

Methyl tert-butyl Ether
 Concen: 54.449 ug/l
 RT: 4.07 min Scan# 309
 Delta R.T. -0.00 min
 Lab File: VD060797.D
 Acq: 28 Jan 2019 18:04

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD012819

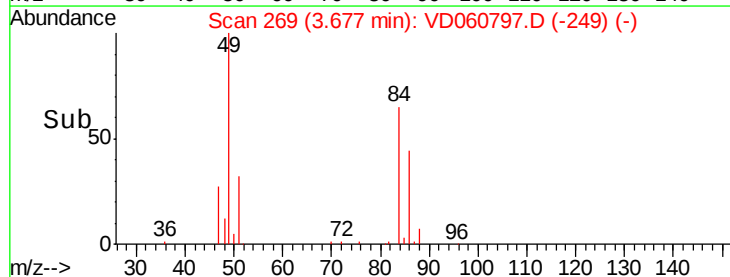
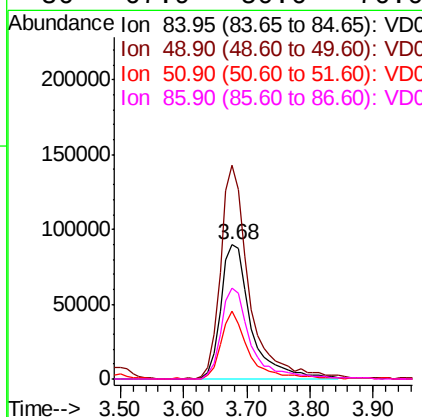
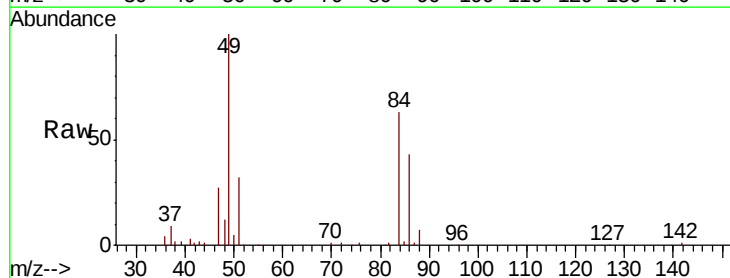
Tgt Ion: 73 Resp: 793711
 Ion Ratio Lower Upper
 73 100
 57 19.1 14.0 21.0

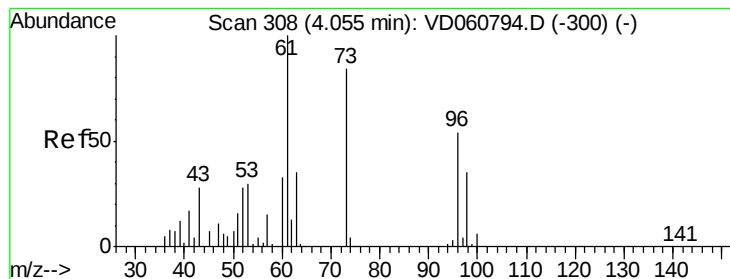


#20

Methylene Chloride
 Concen: 51.411 ug/l
 RT: 3.68 min Scan# 269
 Delta R.T. -0.00 min
 Lab File: VD060797.D
 Acq: 28 Jan 2019 18:04

Tgt Ion: 84 Resp: 302649
 Ion Ratio Lower Upper
 84 100
 49 159.6 124.2 186.2
 51 51.1 38.1 57.1
 86 67.9 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 53.525 ug/l

RT: 4.05 min Scan# 307

Delta R.T. -0.00 min

Lab File: VD060797.D

Acq: 28 Jan 2019 18:04

Instrument :

MSVOA_D

ClientSampleId :

ICVVD012819

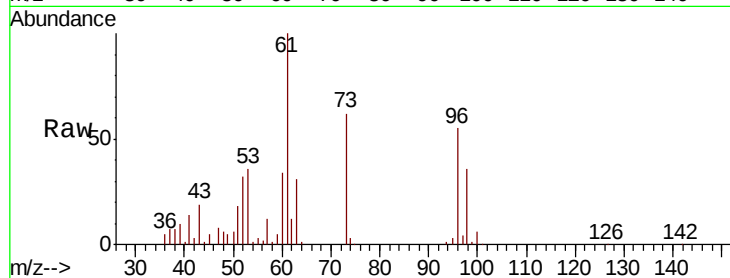
Tgt Ion: 96 Resp: 301280

Ion Ratio Lower Upper

96 100

61 181.3 147.4 221.2

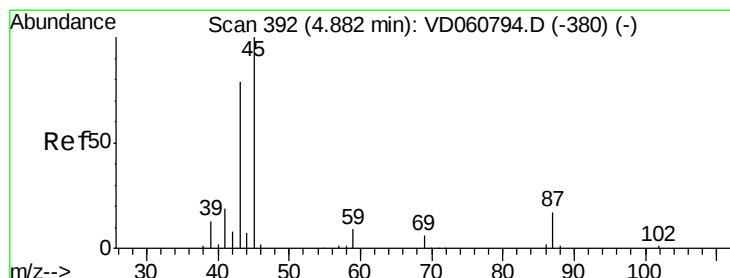
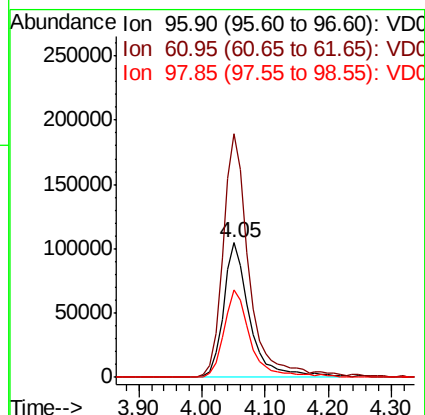
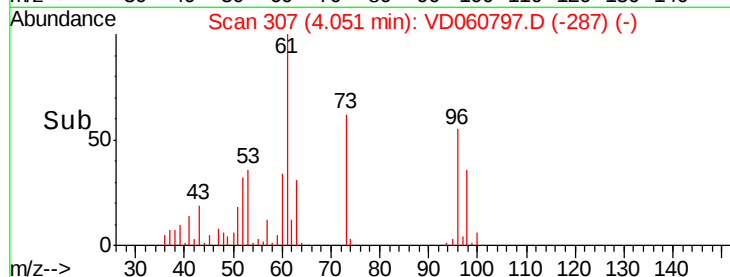
98 64.7 51.5 77.3



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: 51.836 ug/l

RT: 4.89 min Scan# 392

Delta R.T. 0.01 min

Lab File: VD060797.D

Acq: 28 Jan 2019 18:04

Tgt Ion: 45 Resp: 992546

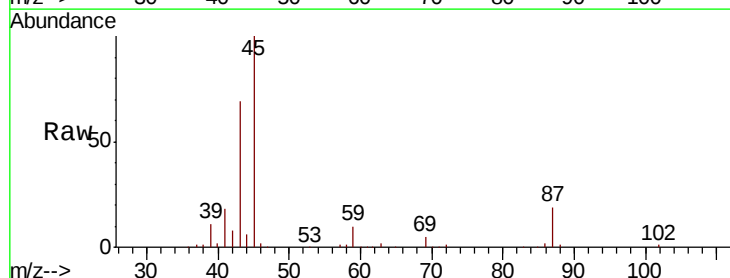
Ion Ratio Lower Upper

45 100

43 69.1 64.3 96.5

87 19.0 14.3 21.5

59 9.7 7.8 11.8

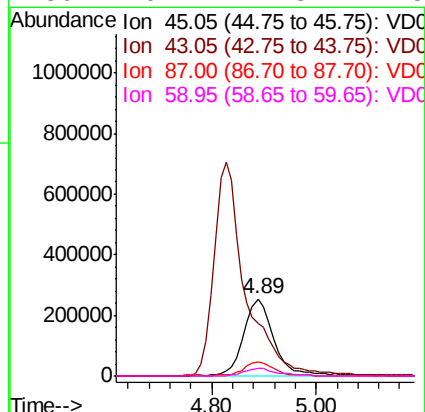
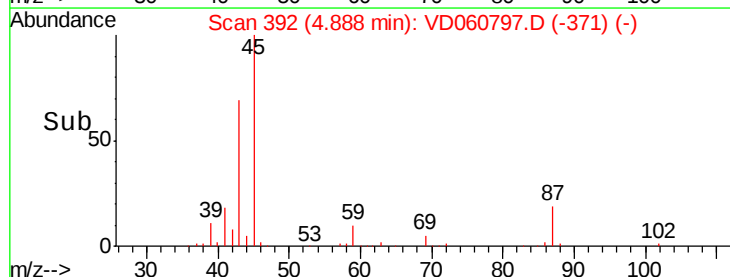


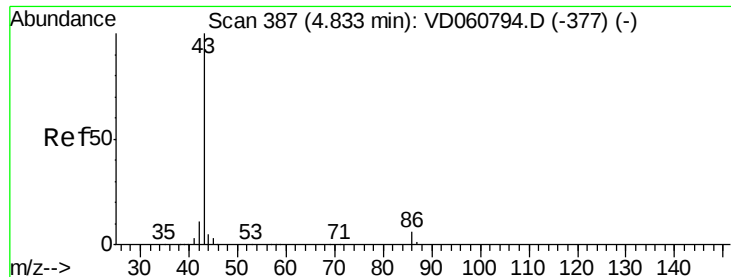
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 263.945 ug/l

RT: 4.83 min Scan# 386

Delta R.T. -0.00 min

Lab File: VD060797.D

Acq: 28 Jan 2019 18:04

Instrument :

MSVOA_D

ClientSampleId :

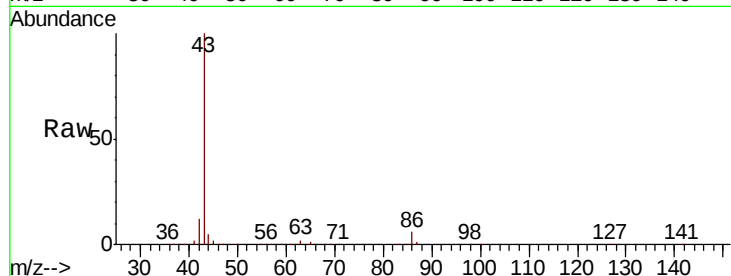
ICVVD012819

Tgt Ion: 43 Resp: 2910418

Ion Ratio Lower Upper

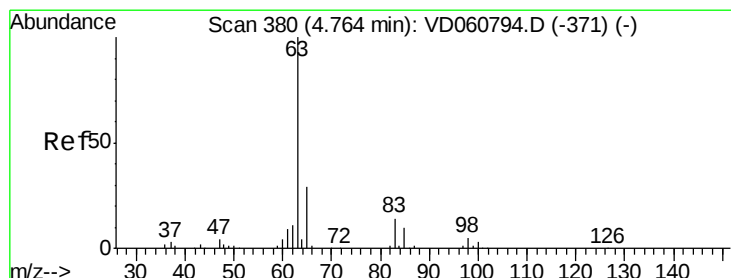
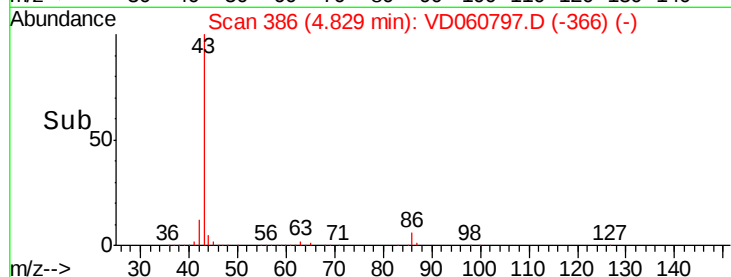
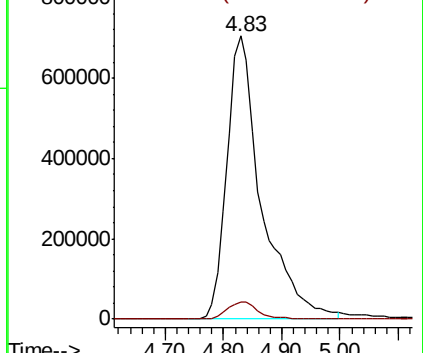
43 100

86 5.9 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: 52.156 ug/l

RT: 4.77 min Scan# 380

Delta R.T. 0.01 min

Lab File: VD060797.D

Acq: 28 Jan 2019 18:04

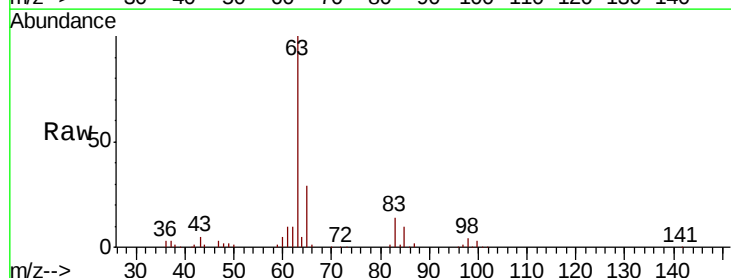
Tgt Ion: 63 Resp: 653768

Ion Ratio Lower Upper

63 100

98 4.5 2.3 6.9

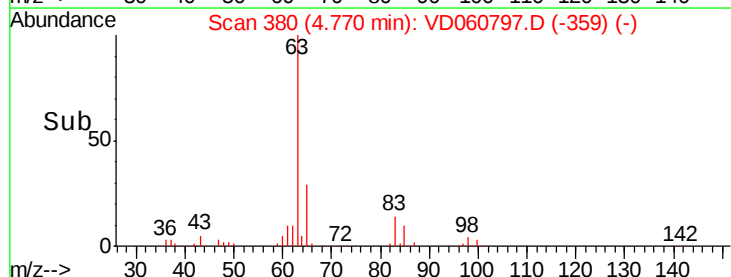
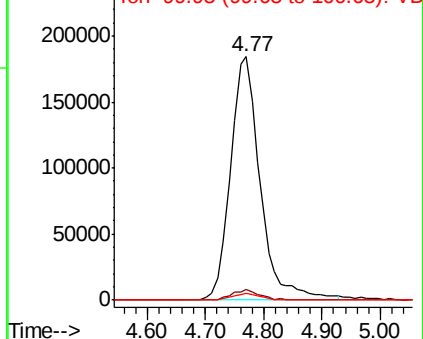
100 2.9 1.3 3.8

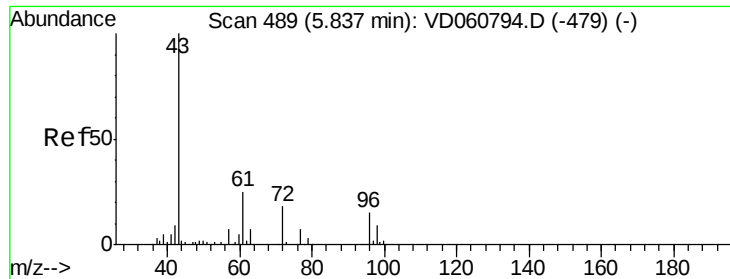


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 285.864 ug/l

RT: 5.83 min Scan# 488

Delta R.T. -0.00 min

Lab File: VD060797.D

Acq: 28 Jan 2019 18:04

Instrument :

MSVOA_D

ClientSampleId :

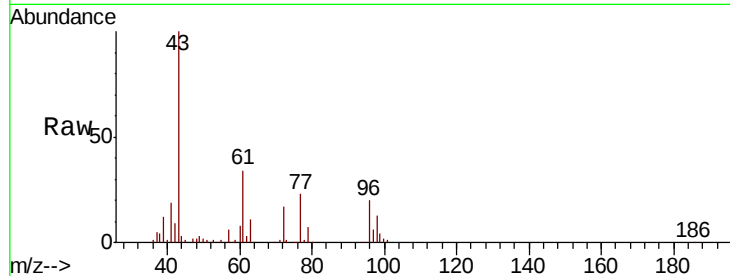
ICVVD012819

Tgt Ion: 43 Resp: 491101

Ion Ratio Lower Upper

43 100

72 16.8 14.4 21.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

150000

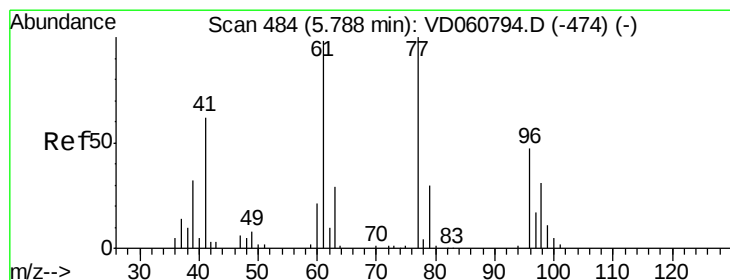
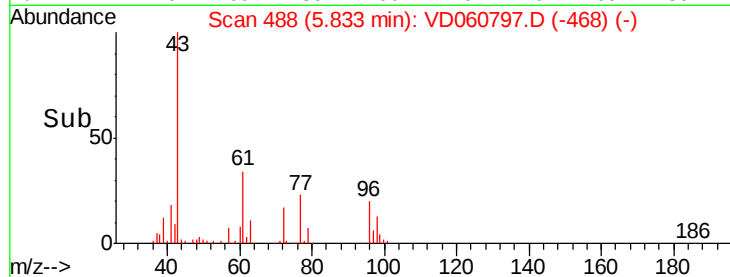
100000

50000

0

5.70 5.80 5.90

Time-->



#26

2,2-Dichloropropane

Concen: 52.306 ug/l

RT: 5.78 min Scan# 483

Delta R.T. -0.00 min

Lab File: VD060797.D

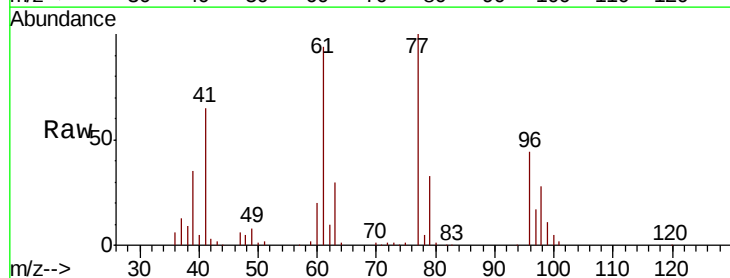
Acq: 28 Jan 2019 18:04

Tgt Ion: 77 Resp: 690842

Ion Ratio Lower Upper

77 100

97 17.2 8.3 24.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

200000

150000

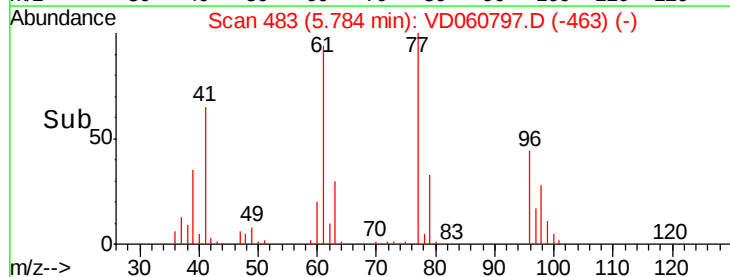
100000

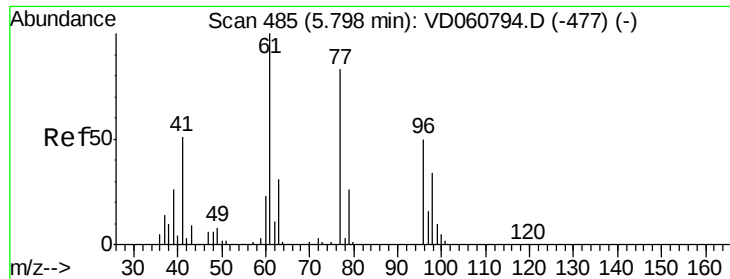
50000

0

5.60 5.70 5.80 5.90 6.00

Time-->

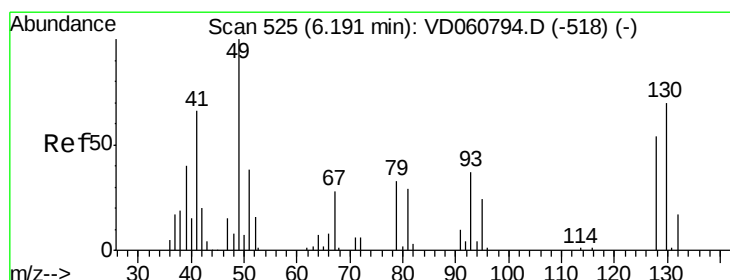
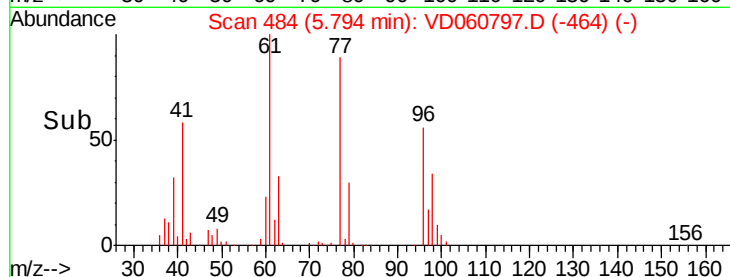
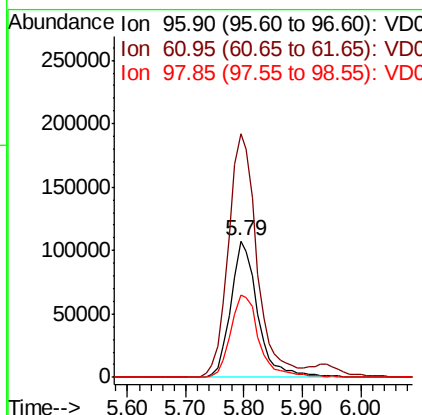
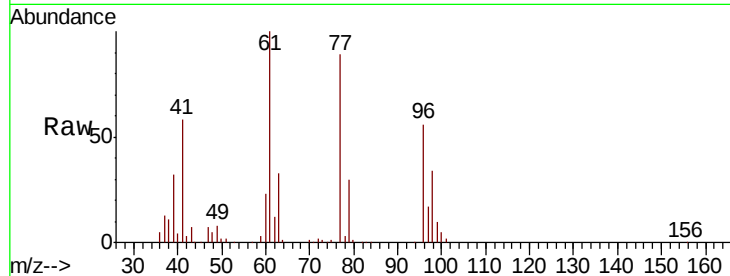




#27
 cis-1,2-Dichloroethene
 Concen: 54.187 ug/l
 RT: 5.79 min Scan# 484
 Delta R.T. -0.00 min
 Lab File: VD060797.D
 Acq: 28 Jan 2019 18:04

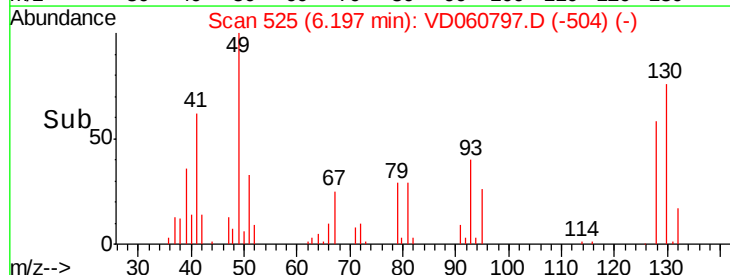
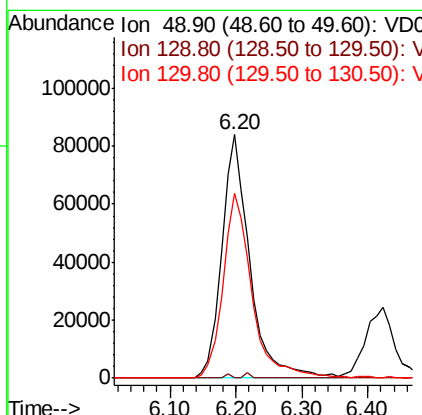
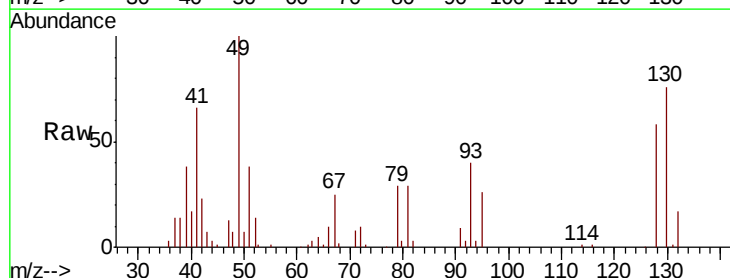
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD012819

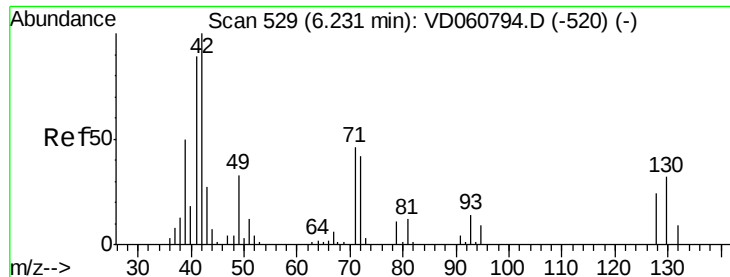
Tgt Ion: 96 Resp: 347381
 Ion Ratio Lower Upper
 96 100
 61 178.9 0.0 400.0
 98 60.2 0.0 136.4



#28
 Bromochloromethane
 Concen: 50.898 ug/l
 RT: 6.20 min Scan# 525
 Delta R.T. 0.01 min
 Lab File: VD060797.D
 Acq: 28 Jan 2019 18:04

Tgt Ion: 49 Resp: 248886
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 0.0
 130 75.9 56.1 84.1





#29

Tetrahydrofuran

Concen: 255.666 ug/l

RT: 6.23 min Scan# 528

Delta R.T. -0.00 min

Lab File: VD060797.D

Acq: 28 Jan 2019 18:04

Instrument :

MSVOA_D

ClientSampleId :

ICVVD012819

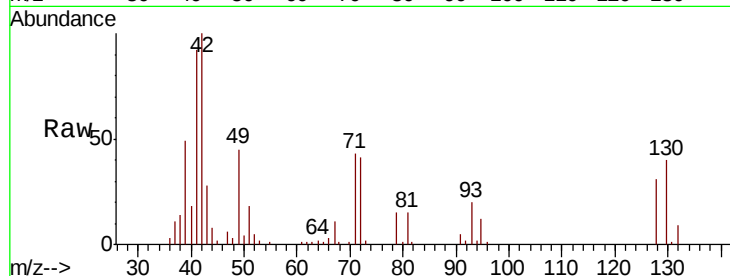
Tgt Ion: 42 Resp: 210924

Ion Ratio Lower Upper

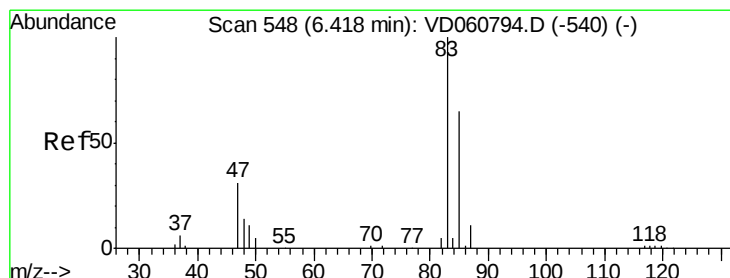
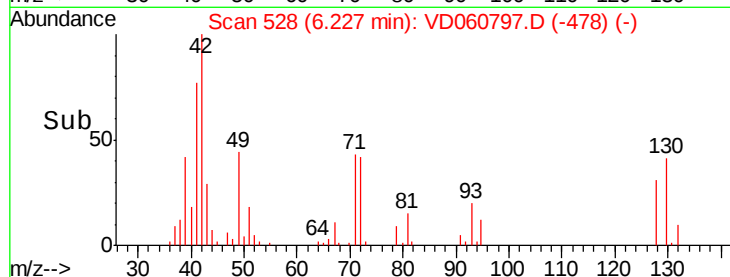
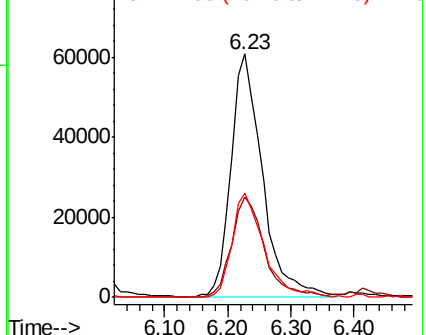
42 100

72 42.7 32.8 49.2

71 43.1 34.6 52.0



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



#30

Chloroform

Concen: 51.274 ug/l

RT: 6.42 min Scan# 548

Delta R.T. 0.01 min

Lab File: VD060797.D

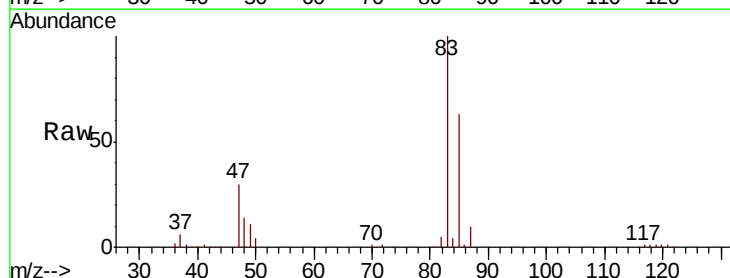
Acq: 28 Jan 2019 18:04

Tgt Ion: 83 Resp: 759649

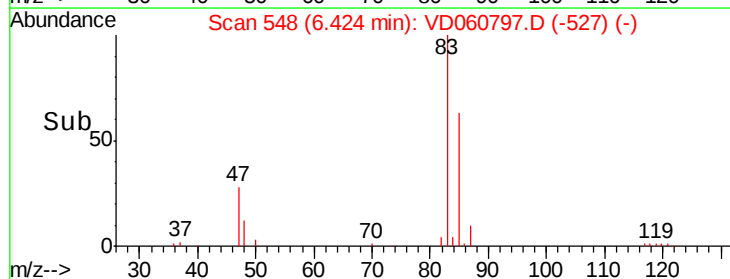
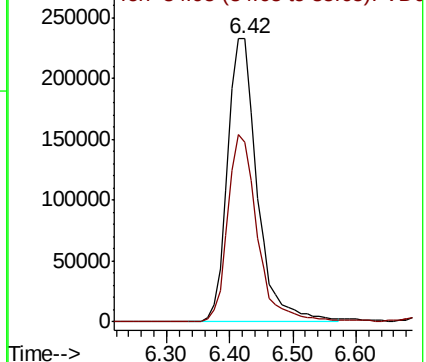
Ion Ratio Lower Upper

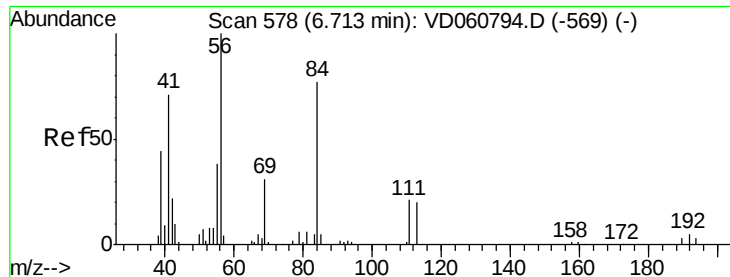
83 100

85 63.4 52.3 78.5



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

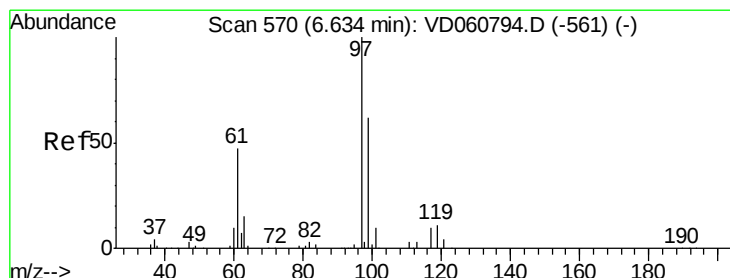
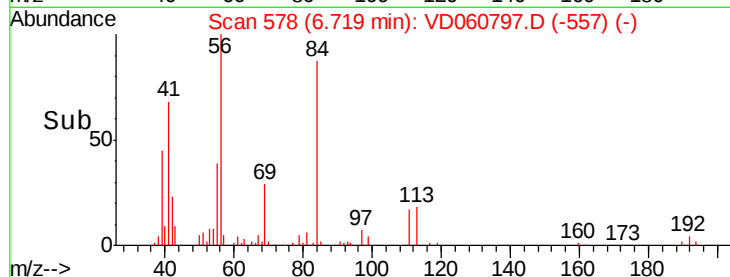
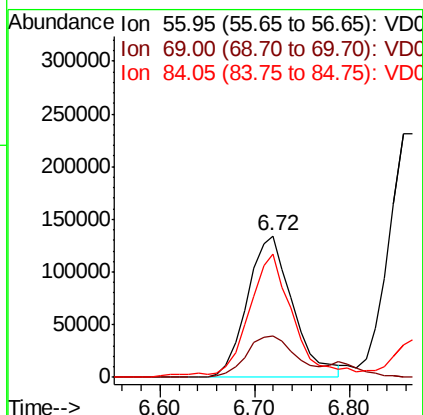
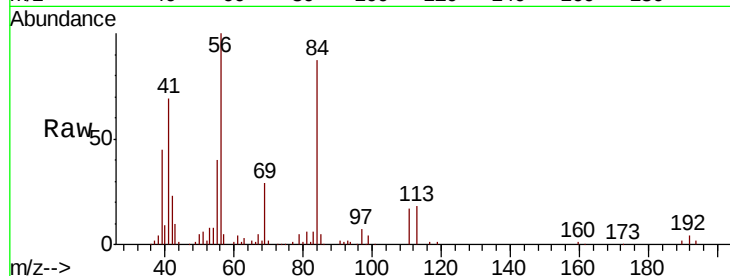




#31
Cyclohexane
Concen: 52.473 ug/l
RT: 6.72 min Scan# 578
Delta R.T. 0.01 min
Lab File: VD060797.D
Acq: 28 Jan 2019 18:04

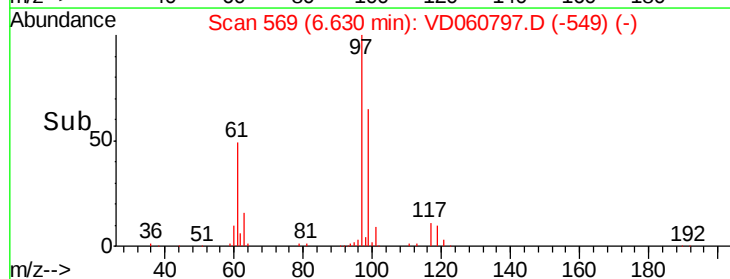
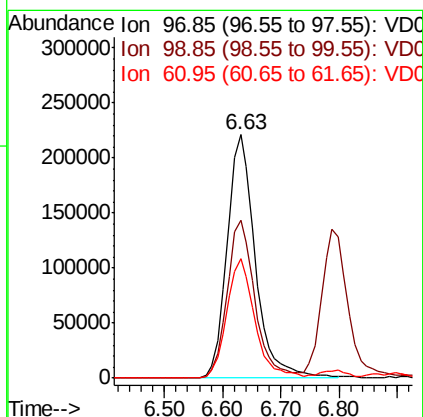
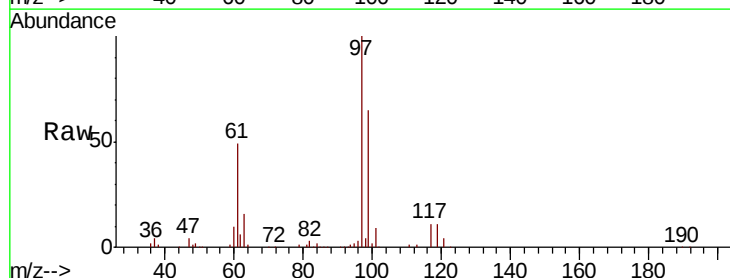
Instrument :
MSVOA_D
ClientSampleId :
ICVVD012819

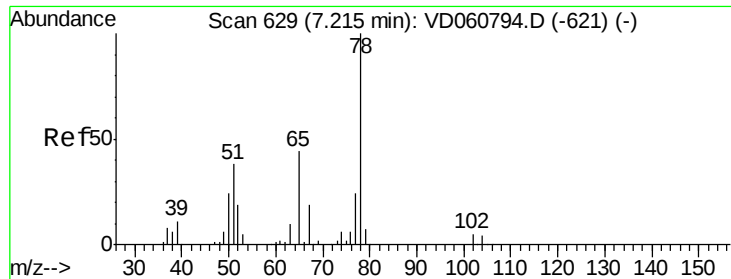
Tgt Ion: 56 Resp: 447520
Ion Ratio Lower Upper
56 100
69 28.8 25.1 37.7
84 87.1 63.9 95.9



#32
1,1,1-Trichloroethane
Concen: 52.110 ug/l
RT: 6.63 min Scan# 569
Delta R.T. -0.00 min
Lab File: VD060797.D
Acq: 28 Jan 2019 18:04

Tgt Ion: 97 Resp: 743469
Ion Ratio Lower Upper
97 100
99 64.7 49.6 74.4
61 48.9 37.4 56.2





#33

1,2-Dichloroethane-d4

Concen: 52.110 ug/l

RT: 7.21 min Scan# 628

Delta R.T. -0.00 min

Lab File: VD060797.D

Acq: 28 Jan 2019 18:04

Instrument :

MSVOA_D

ClientSampleId :

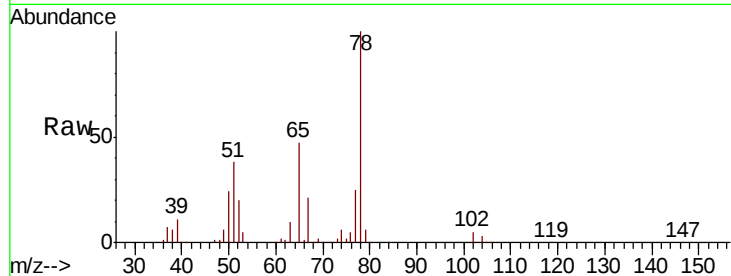
ICVVD012819

Tgt Ion: 65 Resp: 440861

Ion Ratio Lower Upper

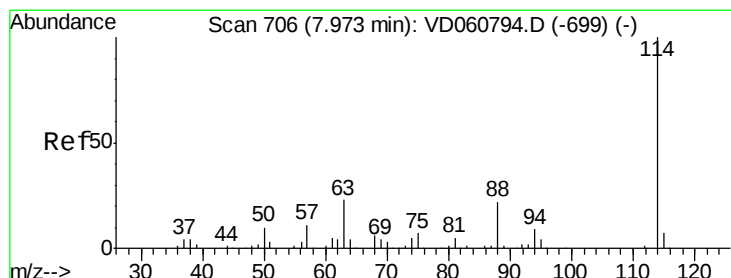
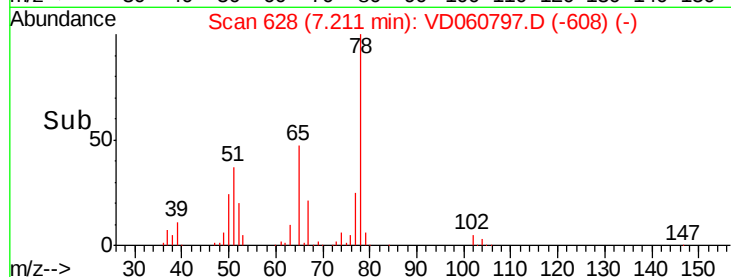
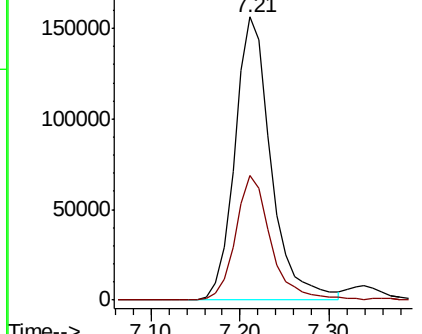
65 100

67 44.2 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. 0.01 min

Lab File: VD060797.D

Acq: 28 Jan 2019 18:04

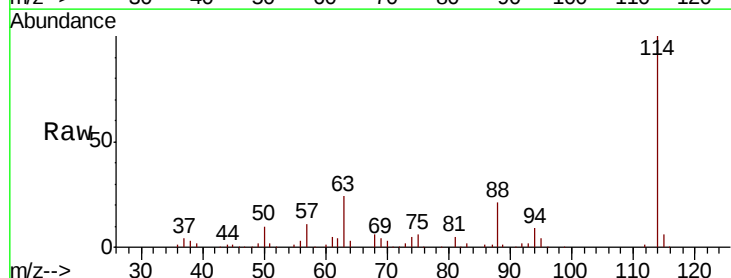
Tgt Ion: 114 Resp: 837415

Ion Ratio Lower Upper

114 100

63 23.8 0.0 46.6

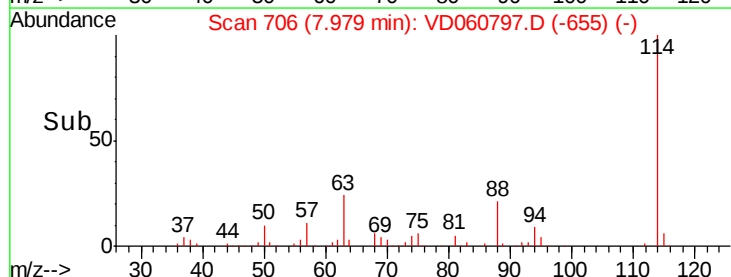
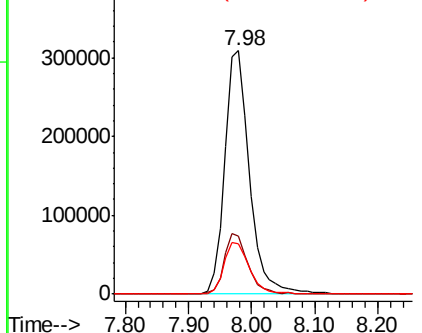
88 20.5 0.0 44.0

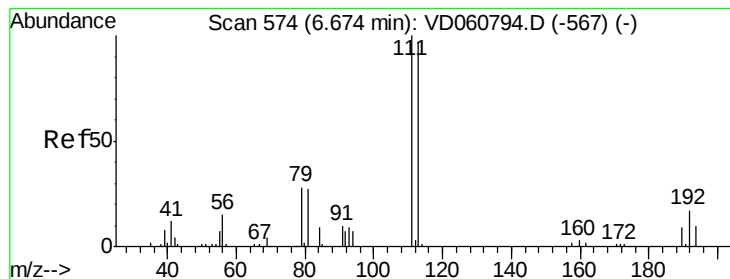


Abundance Ion 114.00 (113.70 to 114.70): VDC

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. 0.01 min

Lab File: VD060797.D

Acq: 28 Jan 2019 18:04

Instrument :

MSVOA_D

ClientSampleId :

ICVVD012819

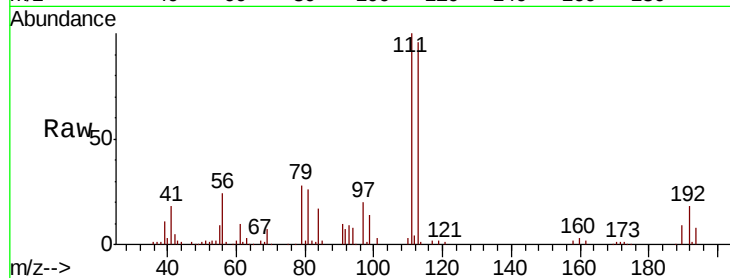
Tgt Ion:113 Resp: 398516

Ion Ratio Lower Upper

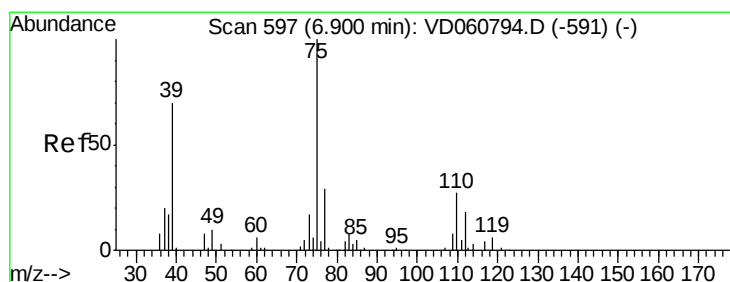
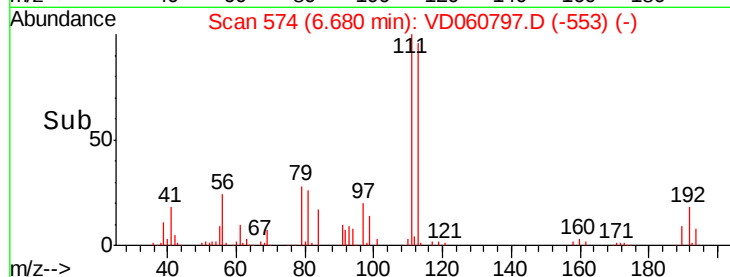
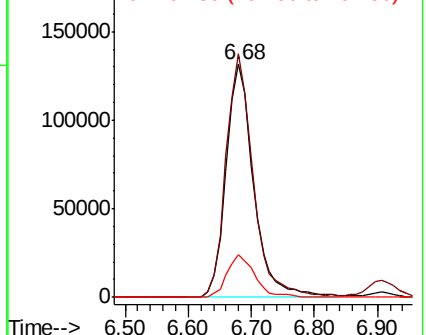
113 100

111 104.5 82.3 123.5

192 18.3 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: 51.800 ug/l

RT: 6.91 min Scan# 597

Delta R.T. 0.01 min

Lab File: VD060797.D

Acq: 28 Jan 2019 18:04

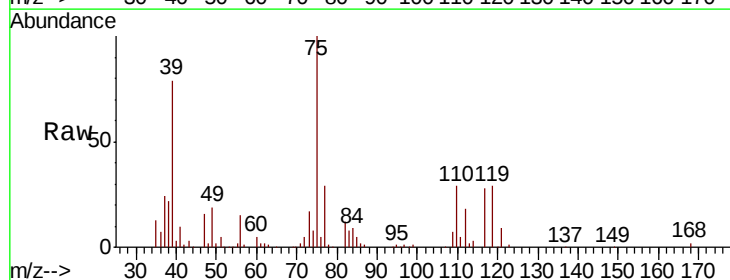
Tgt Ion: 75 Resp: 517926

Ion Ratio Lower Upper

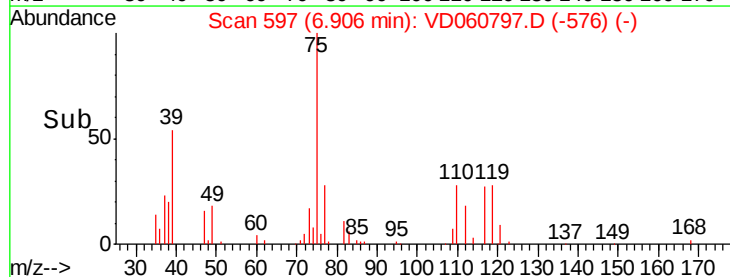
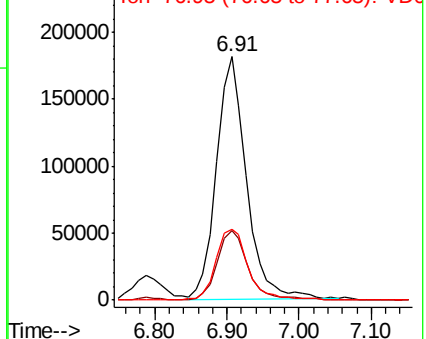
75 100

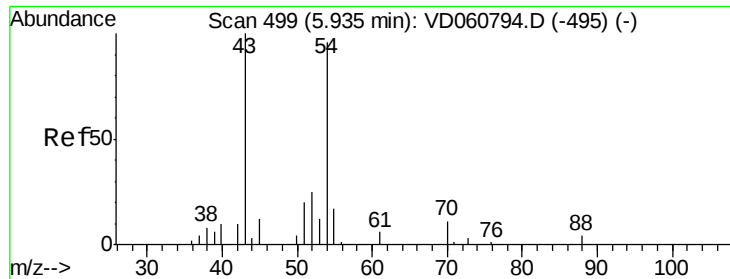
110 28.5 13.5 40.4

77 29.1 23.4 35.2



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

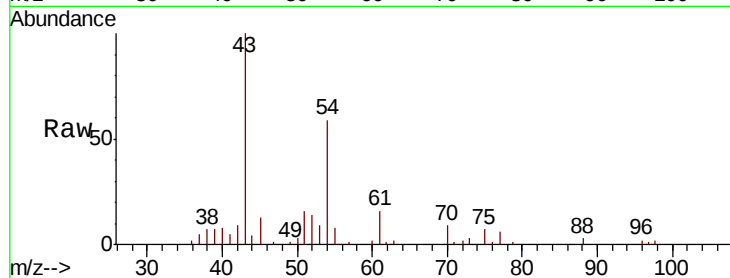




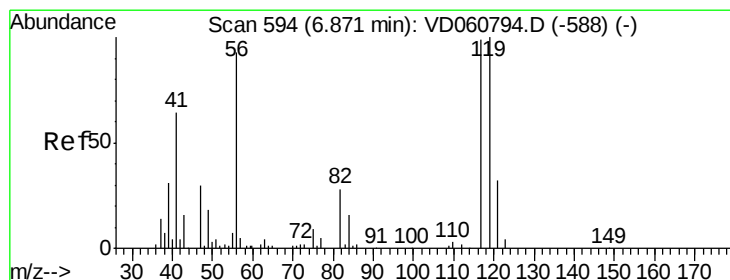
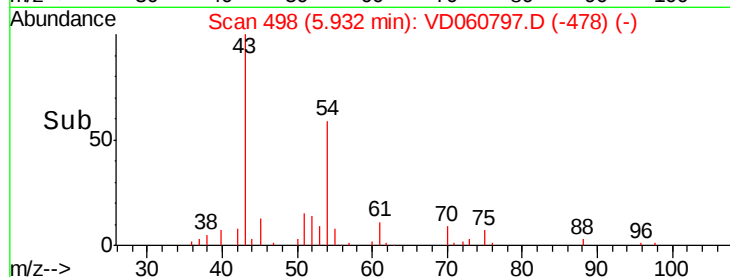
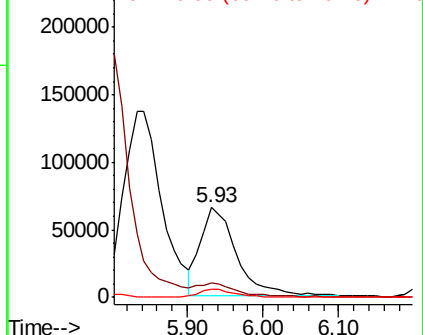
#37
 Ethyl Acetate
 Concen: 48.338 ug/l
 RT: 5.93 min Scan# 498
 Delta R.T. -0.00 min
 Lab File: VD060797.D
 Acq: 28 Jan 2019 18:04

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD012819

Tgt Ion: 43 Resp: 215746
 Ion Ratio Lower Upper
 43 100
 61 16.3 12.3 18.5
 70 8.9 7.4 11.0

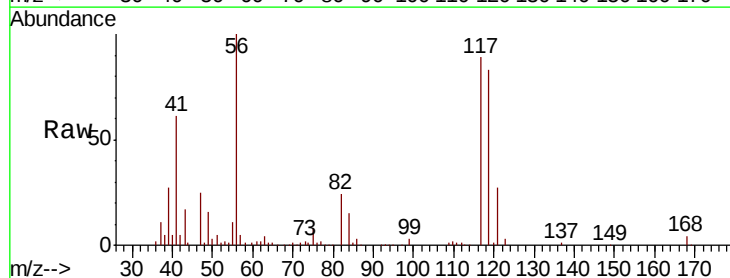


Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 70.00 (69.70 to 70.70): VDC

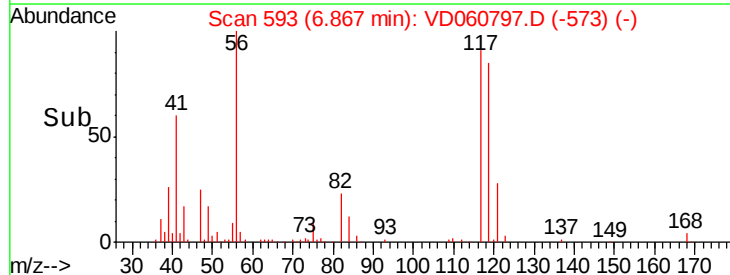
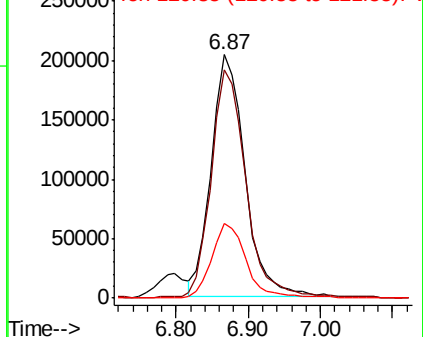


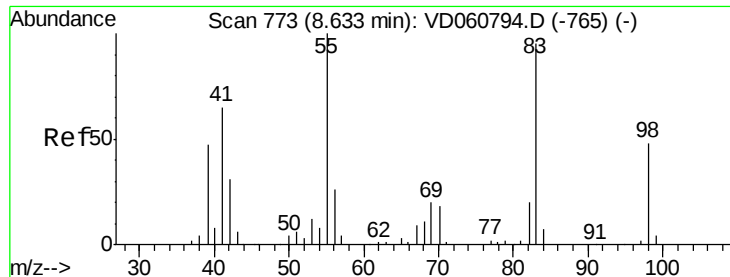
#38
 Carbon Tetrachloride
 Concen: 52.626 ug/l
 RT: 6.87 min Scan# 593
 Delta R.T. -0.00 min
 Lab File: VD060797.D
 Acq: 28 Jan 2019 18:04

Tgt Ion: 117 Resp: 659816
 Ion Ratio Lower Upper
 117 100
 119 94.0 75.6 113.4
 121 30.6 23.4 35.2



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

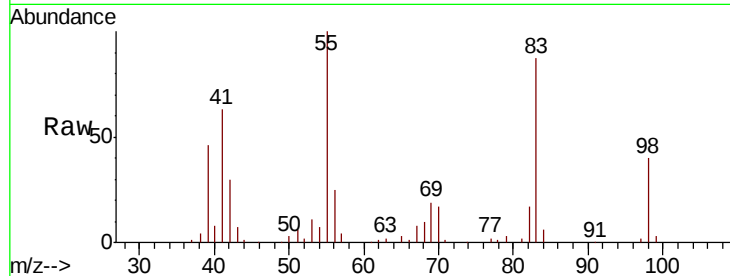




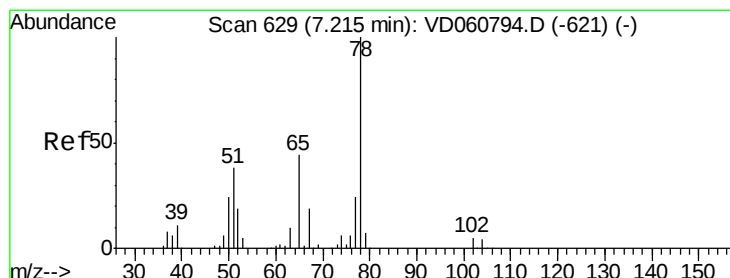
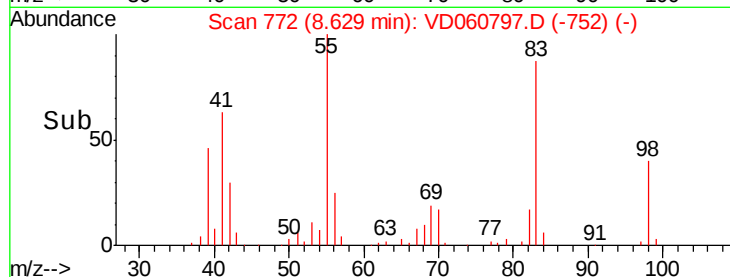
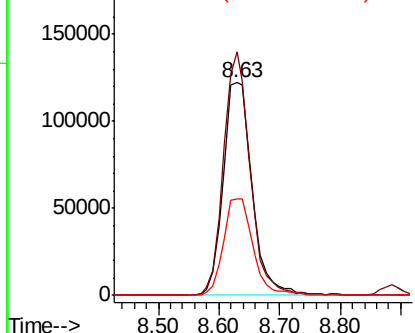
#39
Methylcyclohexane
Concen: 48.454 ug/l
RT: 8.63 min Scan# 772
Delta R.T. -0.00 min
Lab File: VD060797.D
Acq: 28 Jan 2019 18:04

Instrument :
MSVOA_D
ClientSampleId :
ICVVD012819

Tgt Ion: 83 Resp: 405717
Ion Ratio Lower Upper
83 100
55 114.5 83.8 125.8
98 45.6 39.8 59.8

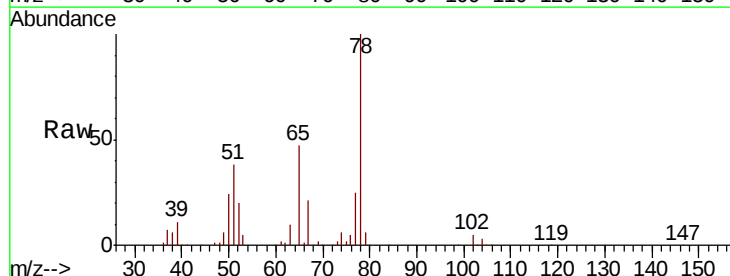


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

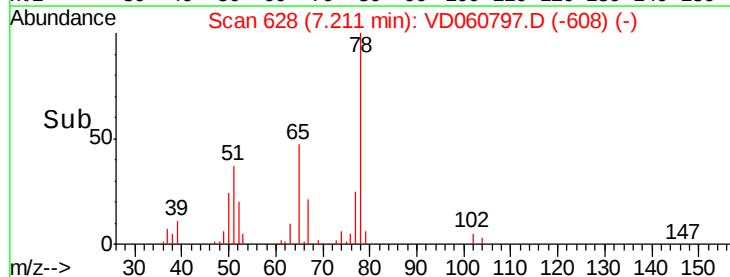
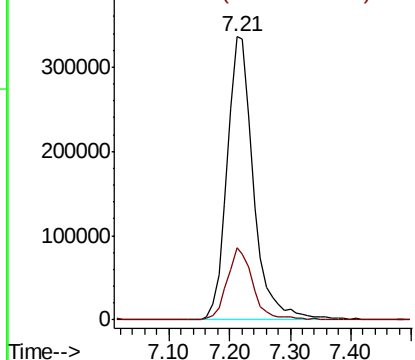


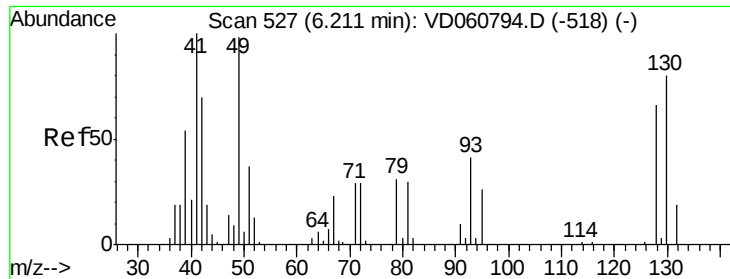
#40
Benzene
Concen: 51.603 ug/l
RT: 7.21 min Scan# 628
Delta R.T. -0.00 min
Lab File: VD060797.D
Acq: 28 Jan 2019 18:04

Tgt Ion: 78 Resp: 1018324
Ion Ratio Lower Upper
78 100
77 25.5 18.9 28.3



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

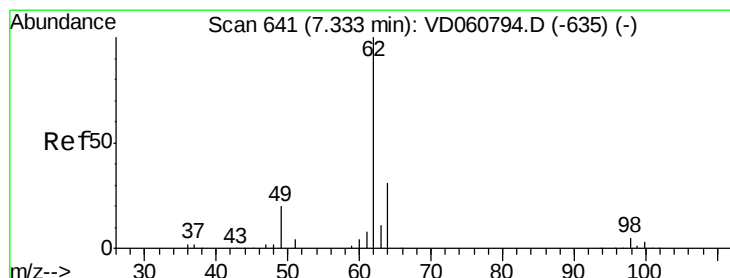
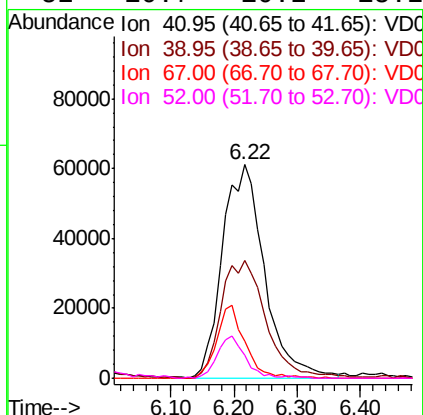
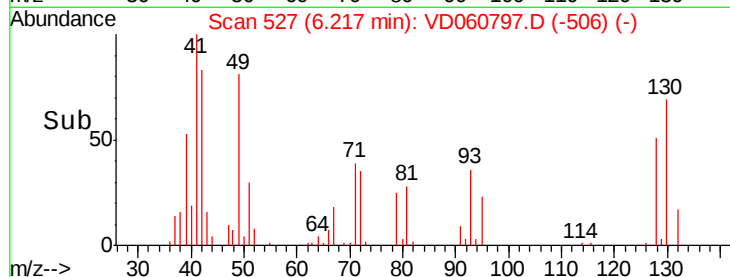
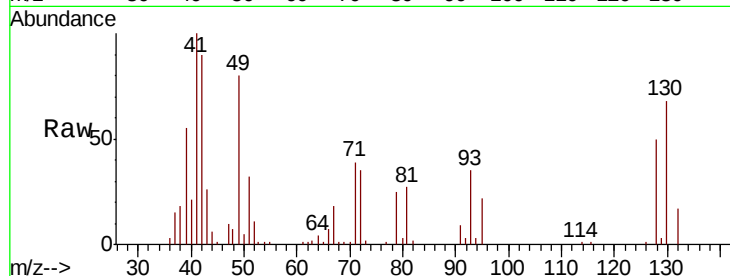




#41
Methacrylonitrile
Concen: 96.513 ug/l
RT: 6.22 min Scan# 527
Delta R.T. 0.01 min
Lab File: VD060797.D
Acq: 28 Jan 2019 18:04

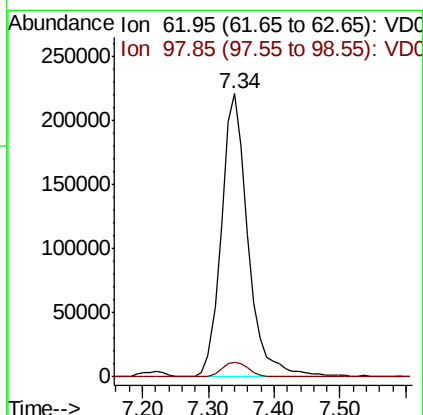
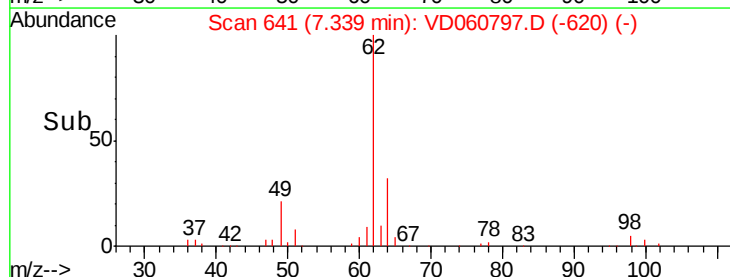
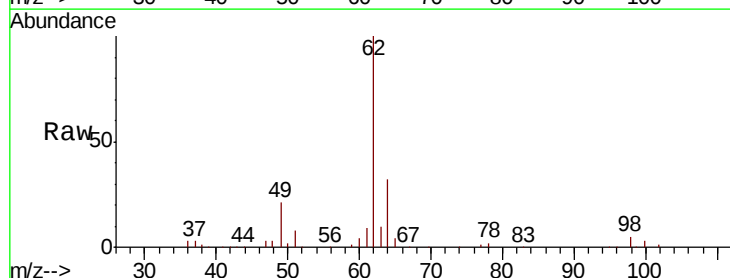
Instrument :
MSVOA_D
ClientSampleId :
ICVVD012819

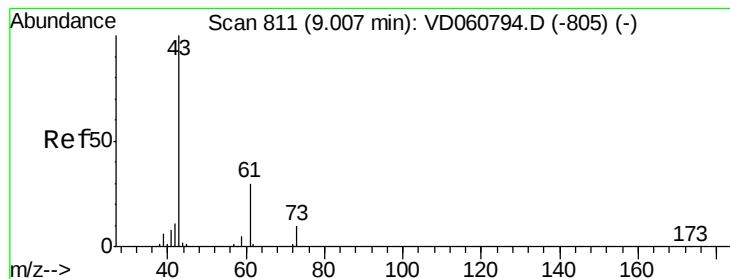
Tgt Ion: 41 Resp: 283258
Ion Ratio Lower Upper
41 100
39 55.1 43.6 65.4
67 17.7 18.5 27.7#
52 10.7 10.2 15.2



#42
1,2-Dichloroethane
Concen: 53.822 ug/l
RT: 7.34 min Scan# 641
Delta R.T. 0.01 min
Lab File: VD060797.D
Acq: 28 Jan 2019 18:04

Tgt Ion: 62 Resp: 617015
Ion Ratio Lower Upper
62 100
98 5.2 0.0 10.2





#43

Isopropyl Acetate

Concen: 55.695 ug/l

RT: 9.00 min Scan# 810

Delta R.T. -0.00 min

Lab File: VD060797.D

Acq: 28 Jan 2019 18:04

Instrument :

MSVOA_D

ClientSampleId :

ICVVD012819

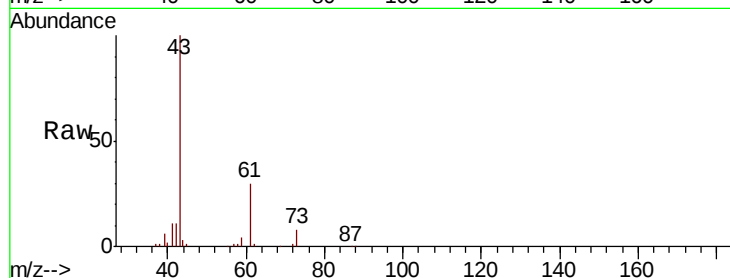
Tgt Ion: 43 Resp: 324218

Ion Ratio Lower Upper

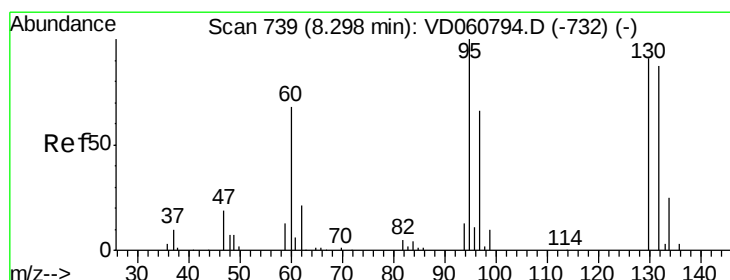
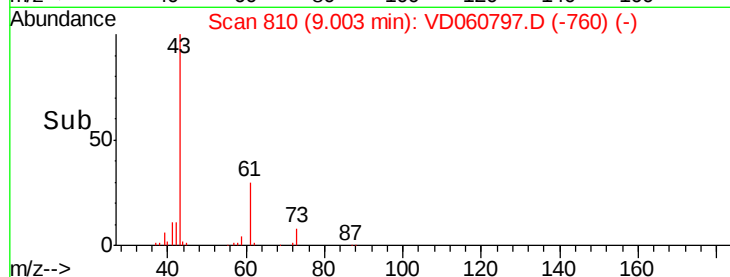
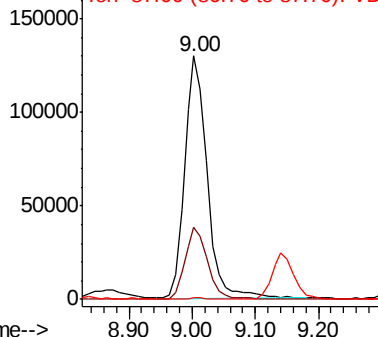
43 100

61 29.6 24.1 36.1

87 0.4 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: 54.895 ug/l

RT: 8.30 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD060797.D

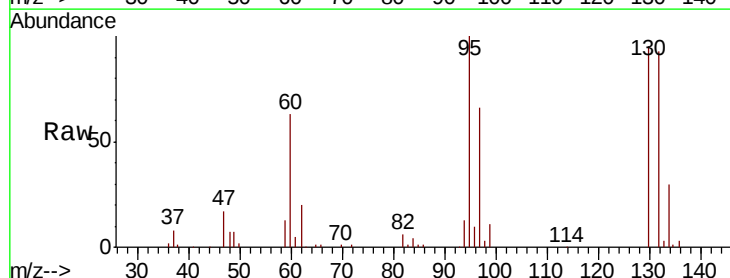
Acq: 28 Jan 2019 18:04

Tgt Ion:130 Resp: 367234

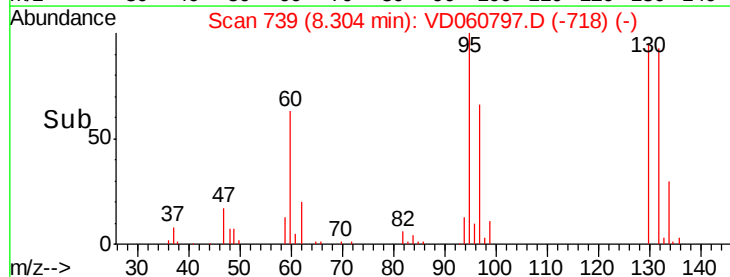
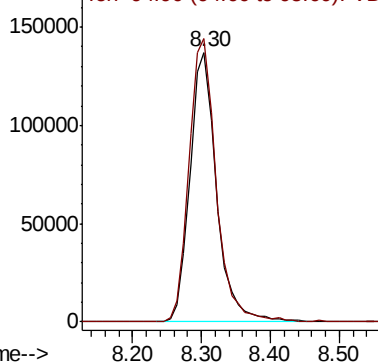
Ion Ratio Lower Upper

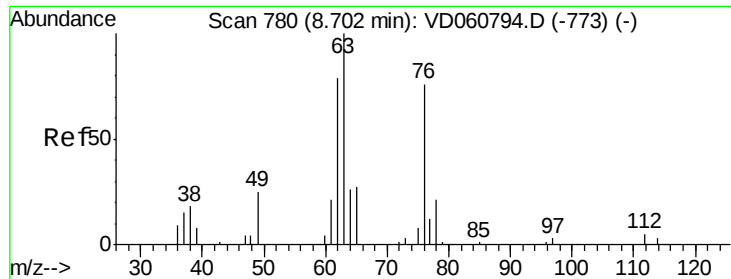
130 100

95 104.9 0.0 221.0



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





#45

1,2-Dichloropropane

Concen: 51.006 ug/l

RT: 8.71 min Scan# 780

Delta R.T. 0.01 min

Lab File: VD060797.D

Acq: 28 Jan 2019 18:04

Instrument :

MSVOA_D

ClientSampleId :

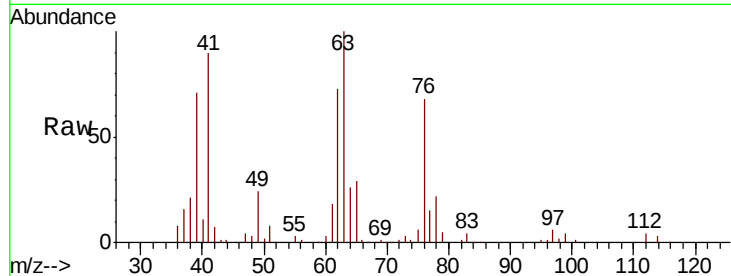
ICVVD012819

Tgt Ion: 63 Resp: 272472

Ion Ratio Lower Upper

63 100

65 28.5 24.1 36.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.71

120000

100000

80000

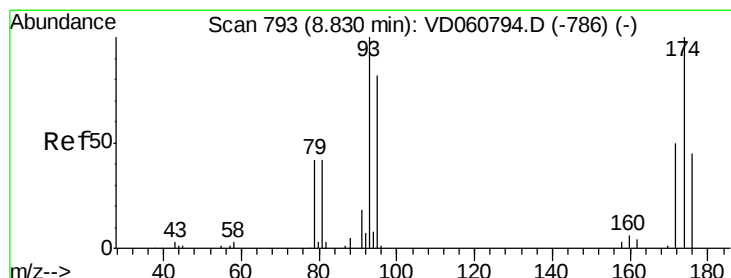
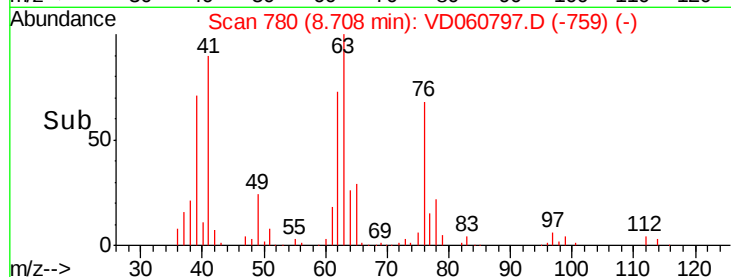
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 53.079 ug/l

RT: 8.83 min Scan# 792

Delta R.T. -0.00 min

Lab File: VD060797.D

Acq: 28 Jan 2019 18:04

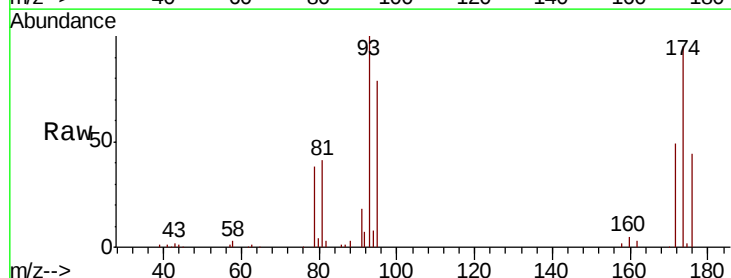
Tgt Ion: 93 Resp: 220116

Ion Ratio Lower Upper

93 100

95 79.1 65.8 98.8

174 95.0 79.8 119.6



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

8.83

120000

100000

80000

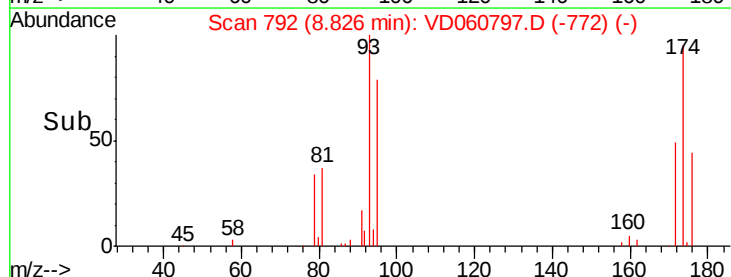
60000

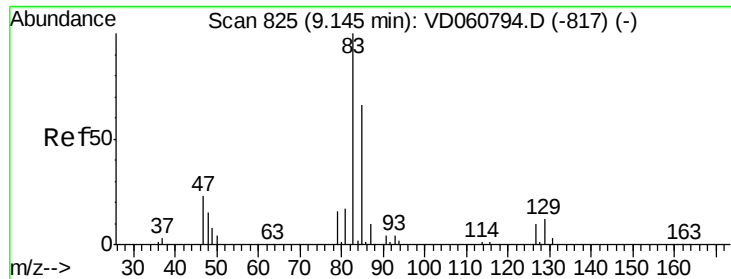
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 51.377 ug/l

RT: 9.14 min Scan# 824

Delta R.T. -0.00 min

Lab File: VD060797.D

Acq: 28 Jan 2019 18:04

Instrument :

MSVOA_D

ClientSampleId :

ICVVD012819

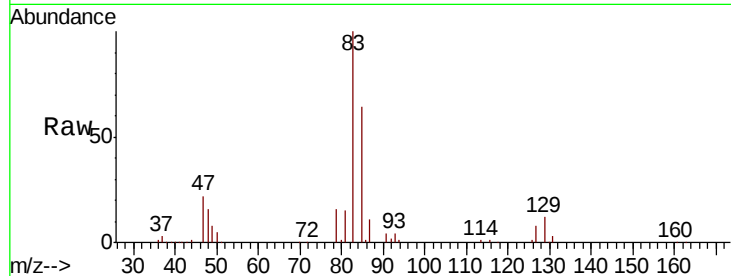
Tgt Ion: 83 Resp: 575078

Ion Ratio Lower Upper

83 100

85 64.2 52.6 79.0

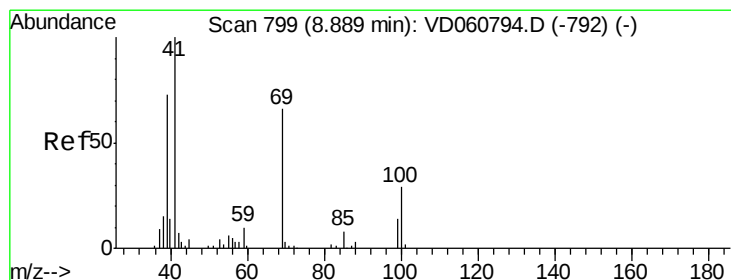
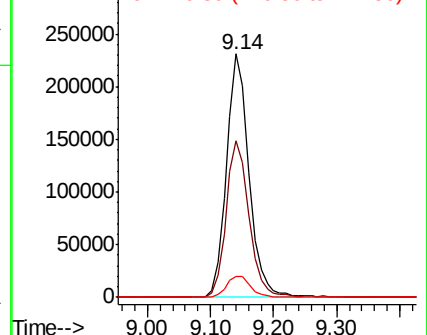
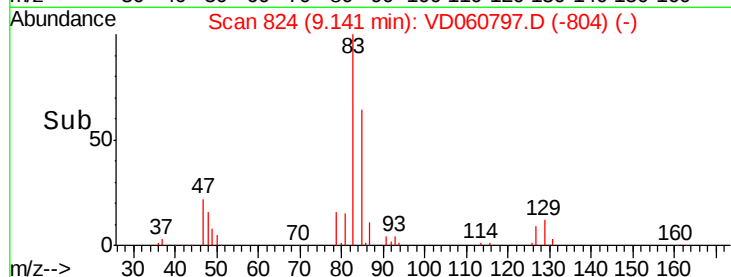
127 8.5 7.7 11.5



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): VDC



#48

Methyl methacrylate

Concen: 51.592 ug/l

RT: 8.88 min Scan# 798

Delta R.T. -0.00 min

Lab File: VD060797.D

Acq: 28 Jan 2019 18:04

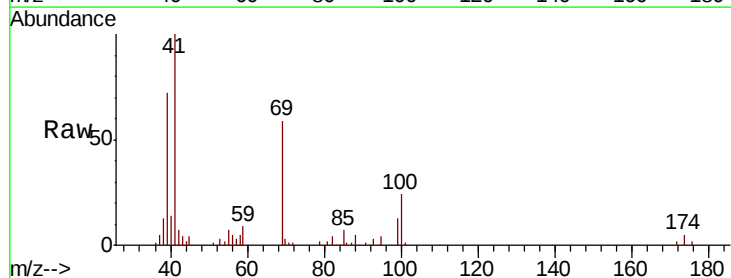
Tgt Ion: 41 Resp: 207106

Ion Ratio Lower Upper

41 100

69 59.3 52.5 78.7

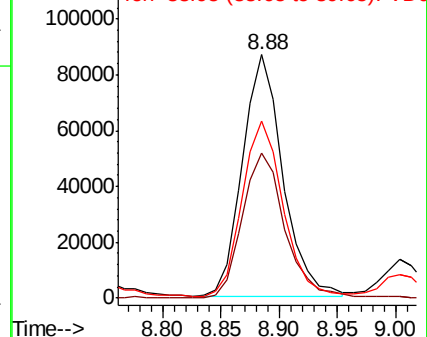
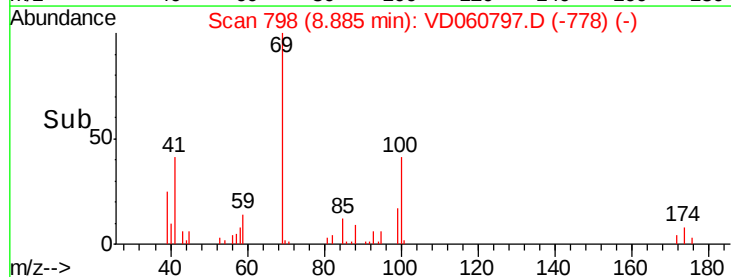
39 72.5 59.0 88.6

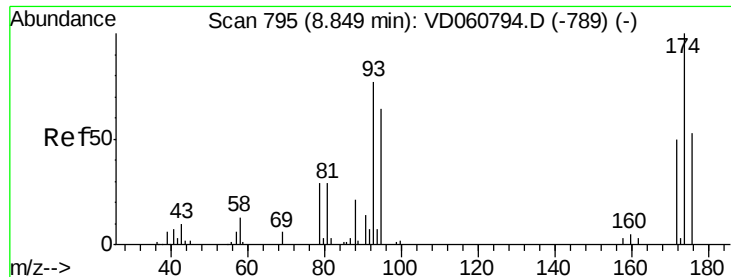


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 1035.088 ug/l

RT: 8.86 min Scan# 795

Delta R.T. 0.01 min

Lab File: VD060797.D

Acq: 28 Jan 2019 18:04

Instrument :

MSVOA_D

ClientSampleId :

ICVVD012819

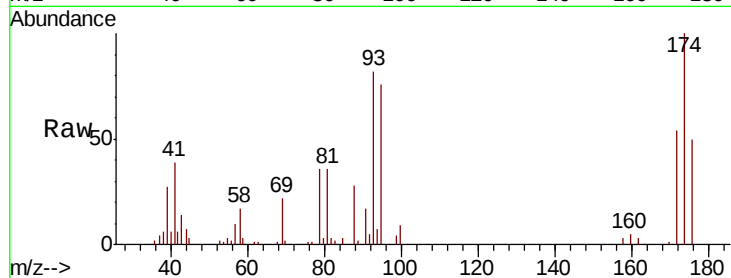
Tgt Ion: 88 Resp: 36057

Ion Ratio Lower Upper

88 100

43 50.8 40.9 61.3

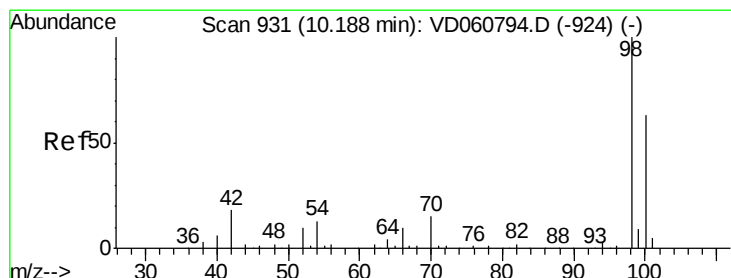
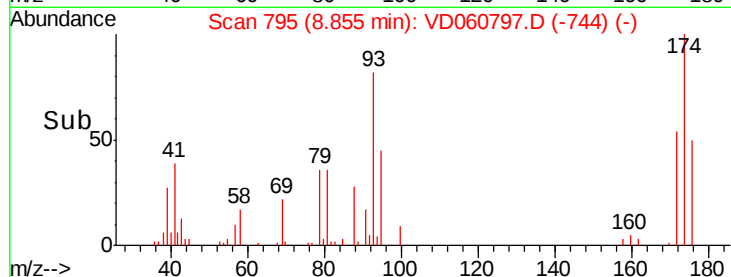
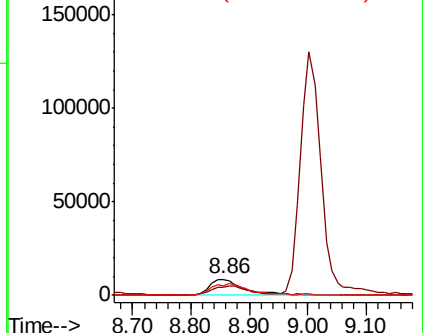
58 61.3 52.2 78.4



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: 1035.088 ug/l

RT: 10.18 min Scan# 930

Delta R.T. -0.00 min

Lab File: VD060797.D

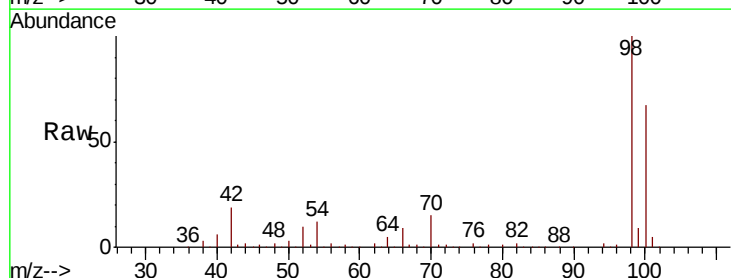
Acq: 28 Jan 2019 18:04

Tgt Ion: 98 Resp: 941960

Ion Ratio Lower Upper

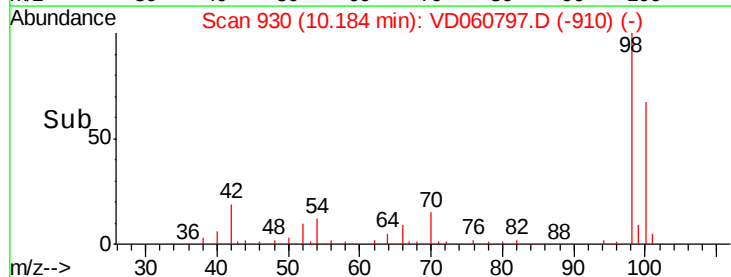
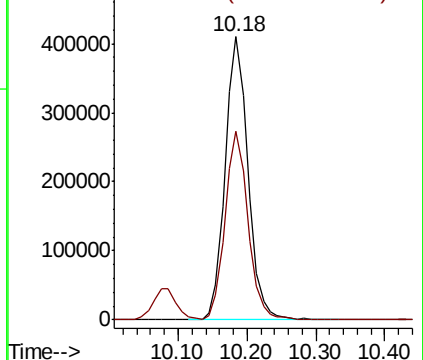
98 100

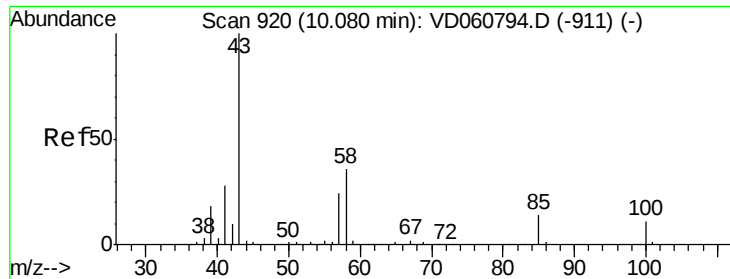
100 66.6 51.0 76.6



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

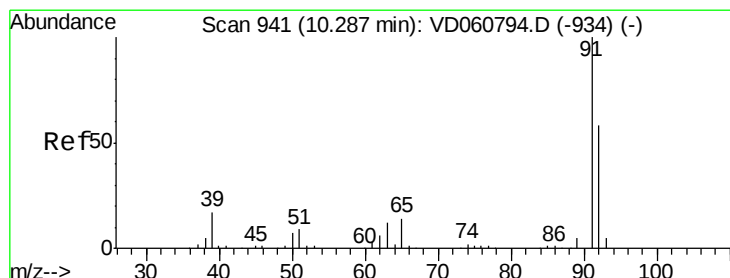
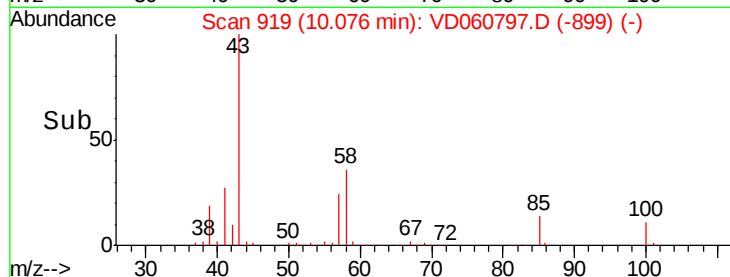
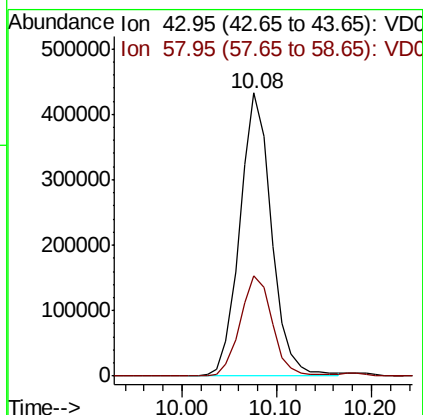
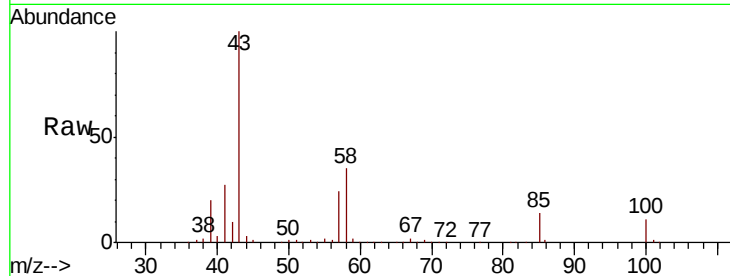




#51
4-Methyl-2-Pentanone
Concen: 266.082 ug/l
RT: 10.08 min Scan# 919
Delta R.T. -0.00 min
Lab File: VD060797.D
Acq: 28 Jan 2019 18:04

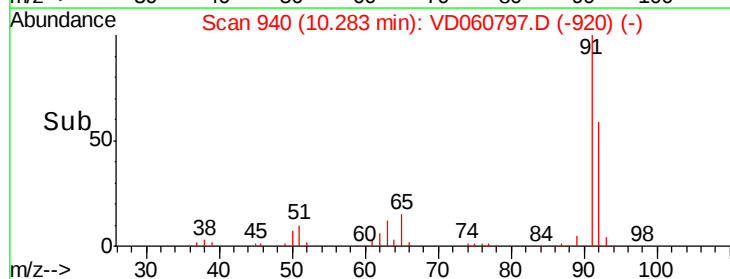
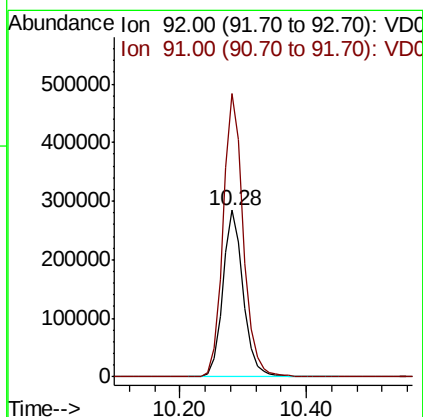
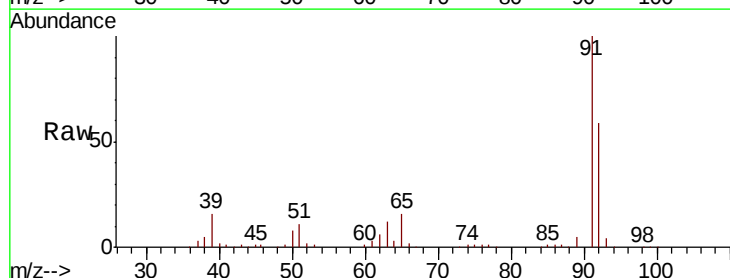
Instrument :
MSVOA_D
ClientSampleId :
ICVVD012819

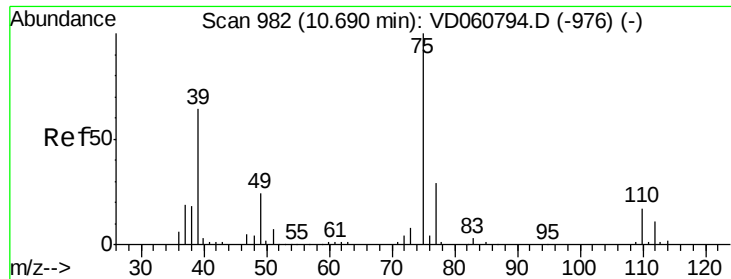
Tgt Ion: 43 Resp: 1003082
Ion Ratio Lower Upper
43 100
58 35.4 28.4 42.6



#52
Toluene
Concen: 50.965 ug/l
RT: 10.28 min Scan# 940
Delta R.T. -0.00 min
Lab File: VD060797.D
Acq: 28 Jan 2019 18:04

Tgt Ion: 92 Resp: 637964
Ion Ratio Lower Upper
92 100
91 170.2 137.7 206.5

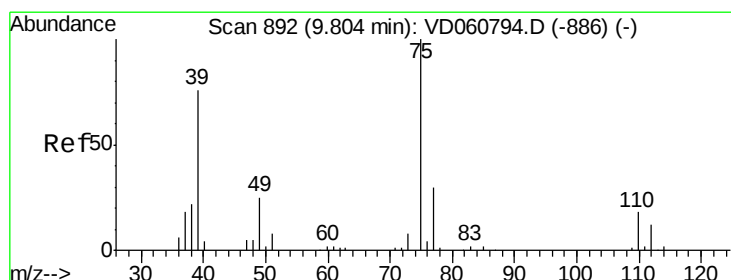
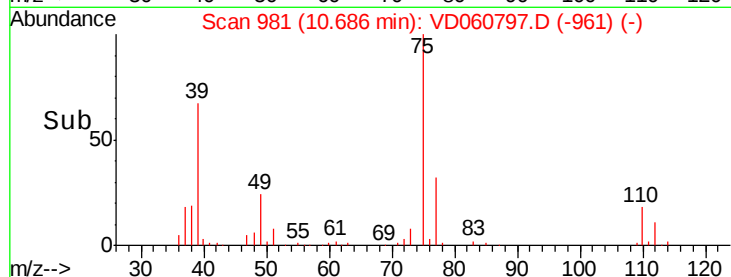
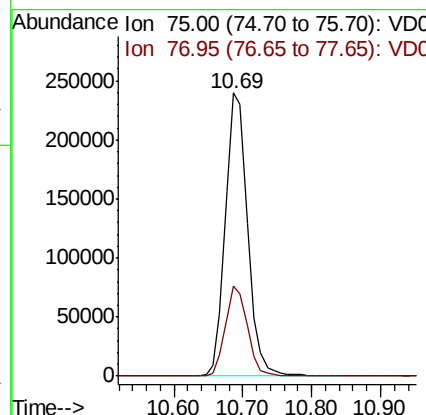
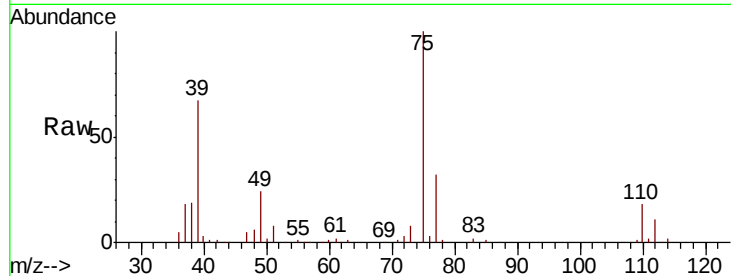




#53
 t-1,3-Dichloropropene
 Concen: 54.346 ug/l
 RT: 10.69 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VD060797.D
 Acq: 28 Jan 2019 18:04

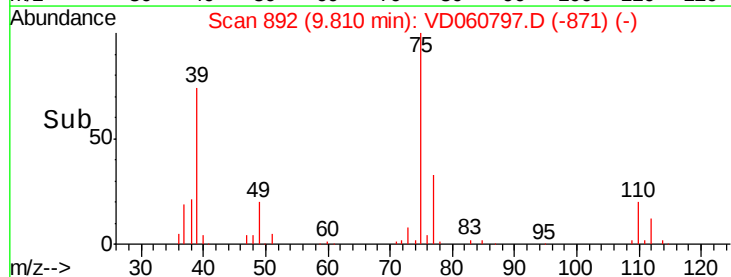
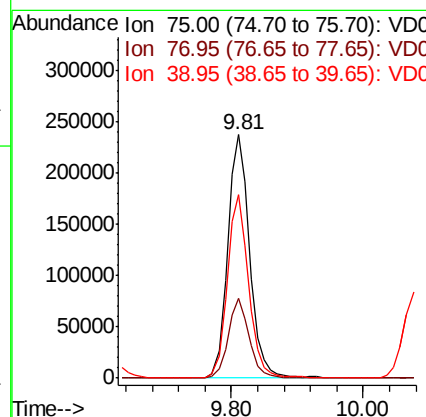
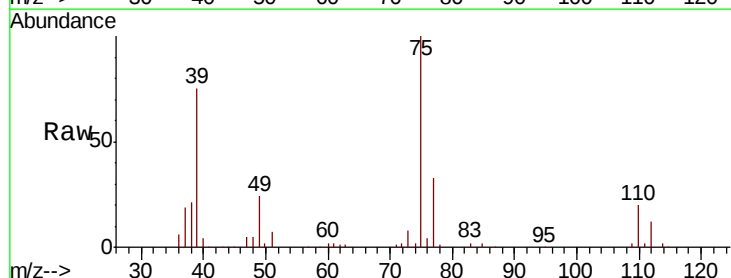
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD012819

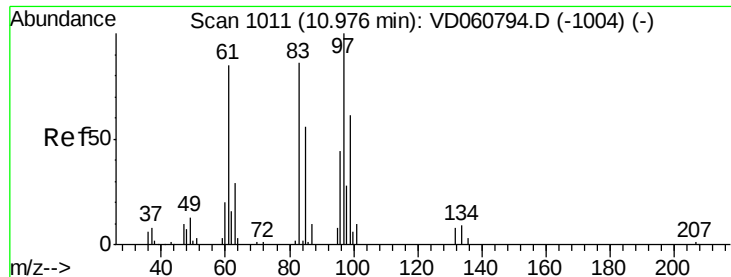
Tgt Ion: 75 Resp: 535084
 Ion Ratio Lower Upper
 75 100
 77 31.6 23.0 34.6



#54
 cis-1,3-Dichloropropene
 Concen: 54.463 ug/l
 RT: 9.81 min Scan# 892
 Delta R.T. 0.01 min
 Lab File: VD060797.D
 Acq: 28 Jan 2019 18:04

Tgt Ion: 75 Resp: 549887
 Ion Ratio Lower Upper
 75 100
 77 33.0 23.9 35.9
 39 75.5 60.4 90.6





#55

1,1,2-Trichloroethane

Concen: 52.937 ug/l

RT: 10.97 min Scan# 1010

Delta R.T. -0.00 min

Lab File: VD060797.D

Acq: 28 Jan 2019 18:04

Instrument :

MSVOA_D

ClientSampleId :

ICVVD012819

Tgt Ion: 97 Resp: 225925

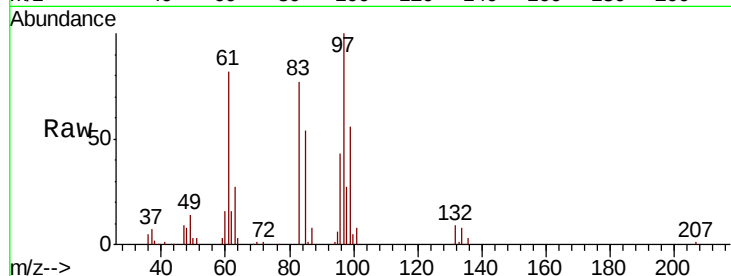
Ion Ratio Lower Upper

97 100

83 76.7 68.5 102.7

85 53.9 45.0 67.6

99 56.1 49.0 73.4

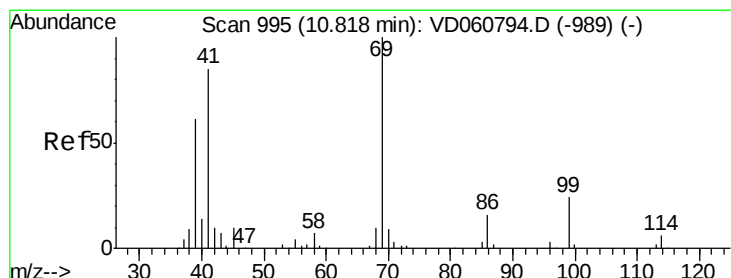
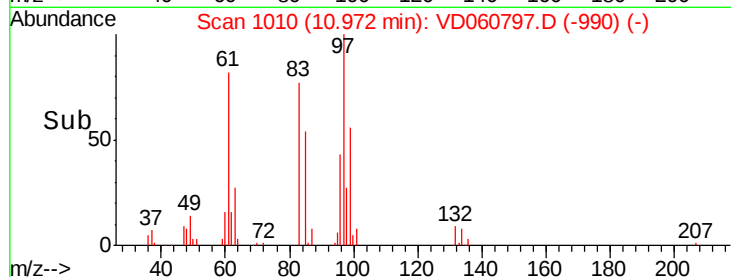
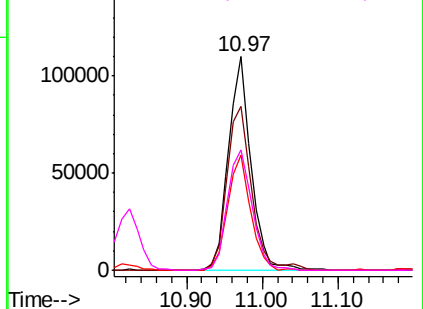


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 54.370 ug/l

RT: 10.82 min Scan# 995

Delta R.T. 0.01 min

Lab File: VD060797.D

Acq: 28 Jan 2019 18:04

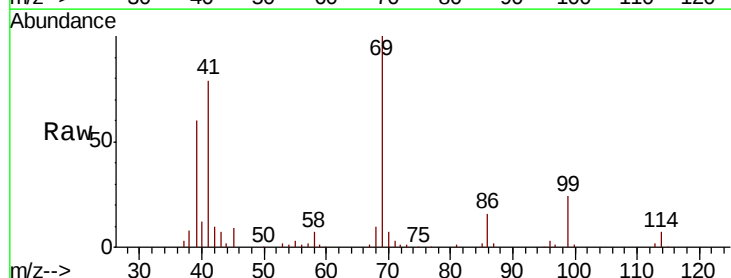
Tgt Ion: 69 Resp: 281090

Ion Ratio Lower Upper

69 100

41 78.6 68.2 102.2

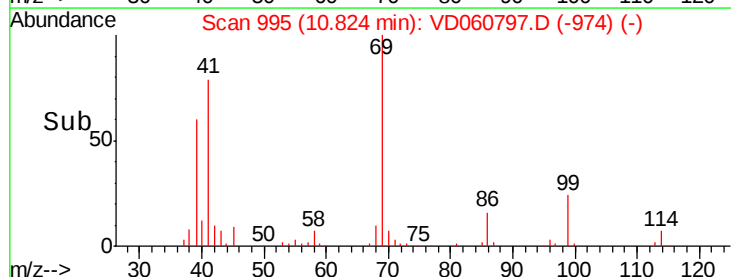
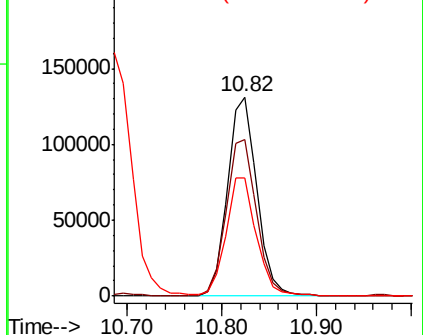
39 59.5 49.4 74.0

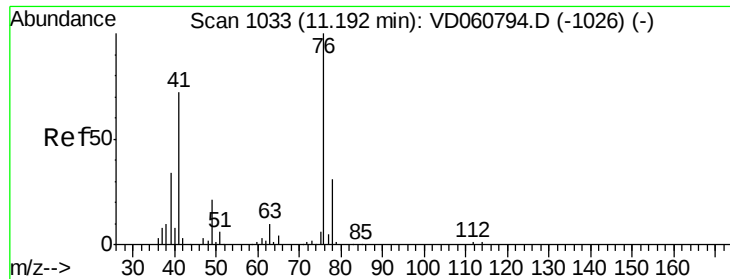


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

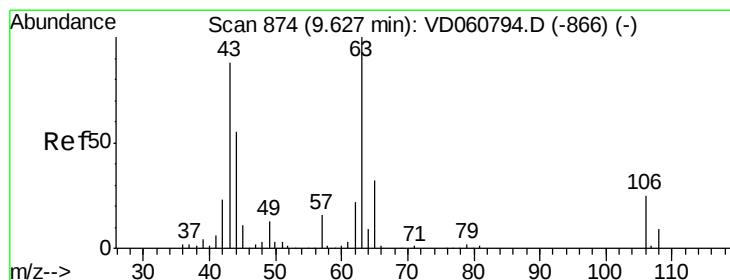
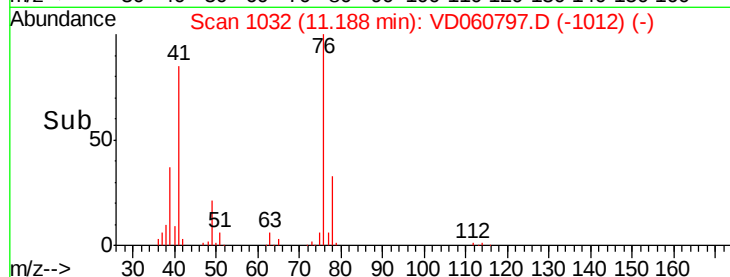
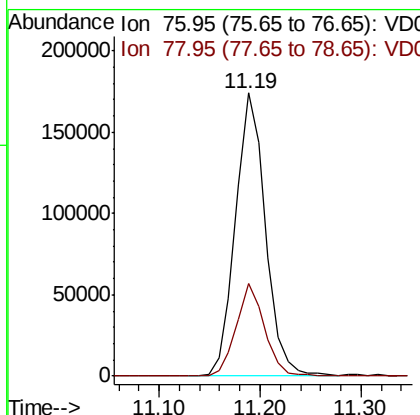
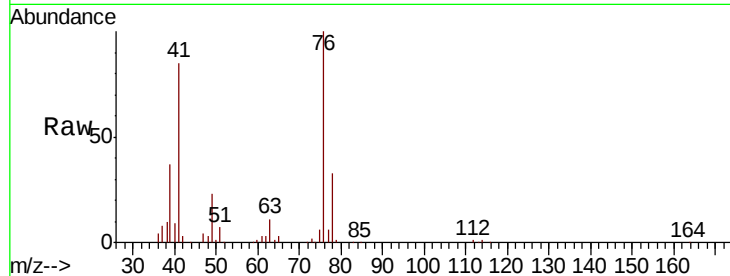




#57
 1,3-Dichloropropane
 Concen: 49.337 ug/l
 RT: 11.19 min Scan# 1032
 Delta R.T. -0.00 min
 Lab File: VD060797.D
 Acq: 28 Jan 2019 18:04

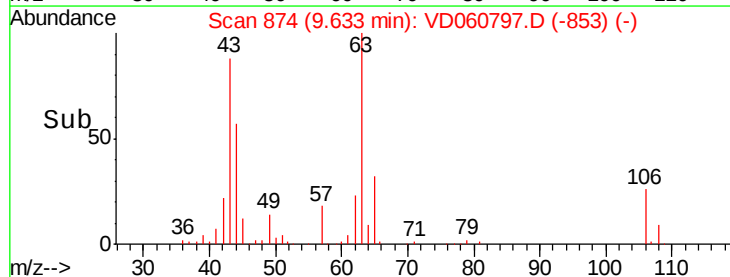
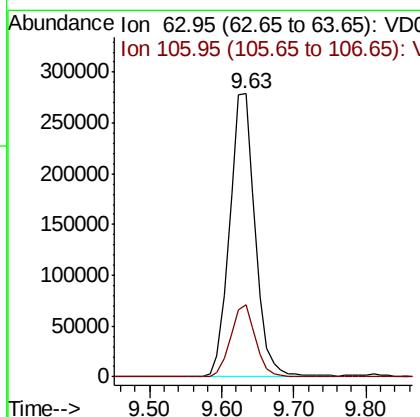
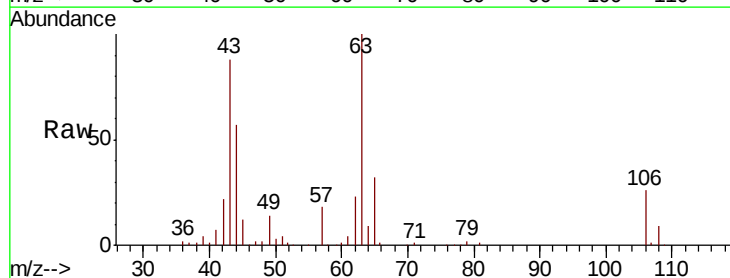
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD012819

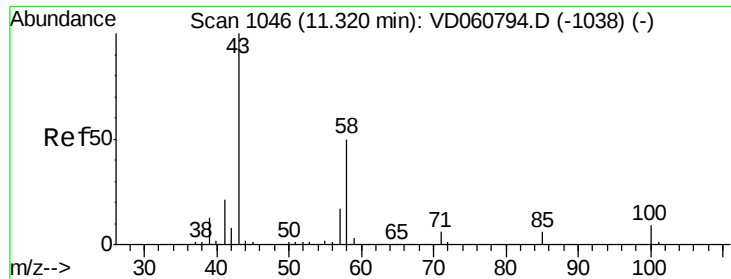
Tgt Ion: 76 Resp: 359860
 Ion Ratio Lower Upper
 76 100
 78 32.7 24.5 36.7



#58
 2-Chloroethyl Vinyl ether
 Concen: 254.002 ug/l
 RT: 9.63 min Scan# 874
 Delta R.T. 0.01 min
 Lab File: VD060797.D
 Acq: 28 Jan 2019 18:04

Tgt Ion: 63 Resp: 689022
 Ion Ratio Lower Upper
 63 100
 106 25.6 19.9 29.9

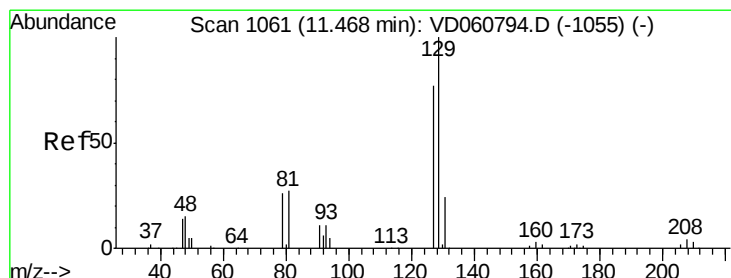
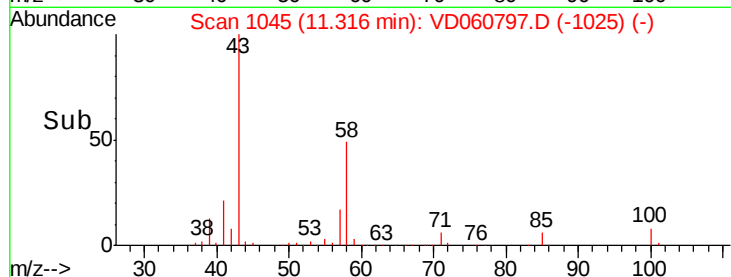
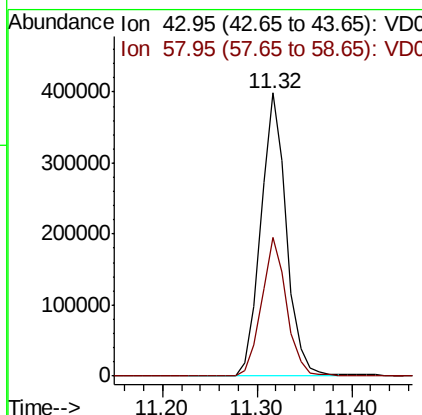
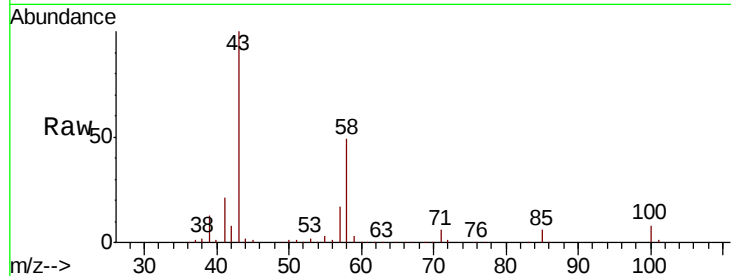




#59
2-Hexanone
Concen: 265.440 ug/l
RT: 11.32 min Scan# 1045
Delta R.T. -0.00 min
Lab File: VD060797.D
Acq: 28 Jan 2019 18:04

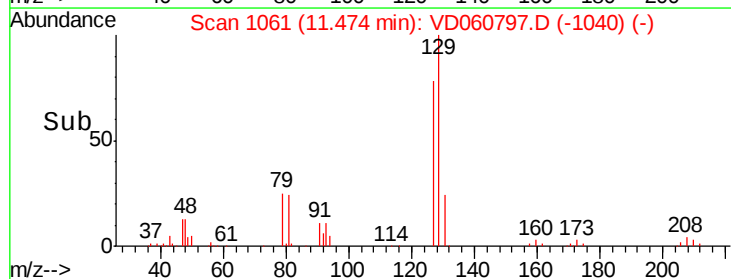
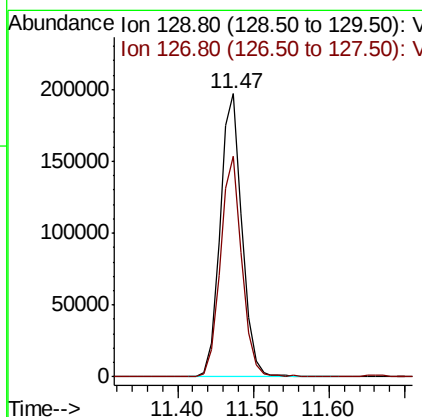
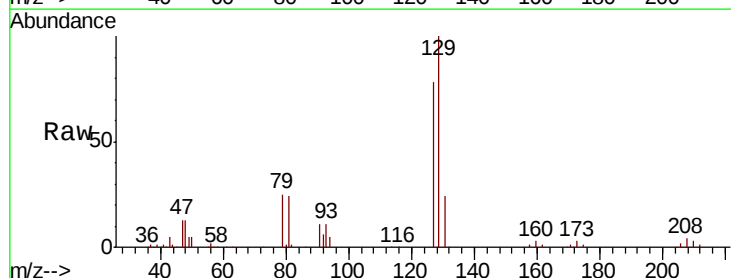
Instrument :
MSVOA_D
ClientSampleId :
ICVVD012819

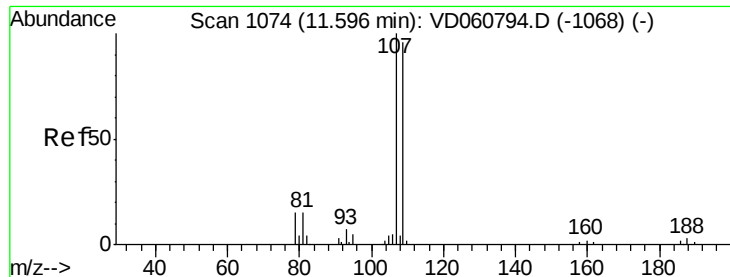
Tgt Ion: 43 Resp: 752398
Ion Ratio Lower Upper
43 100
58 48.9 25.0 75.0



#60
Dibromochloromethane
Concen: 51.395 ug/l
RT: 11.47 min Scan# 1061
Delta R.T. 0.01 min
Lab File: VD060797.D
Acq: 28 Jan 2019 18:04

Tgt Ion: 129 Resp: 394331
Ion Ratio Lower Upper
129 100
127 77.7 38.6 115.7

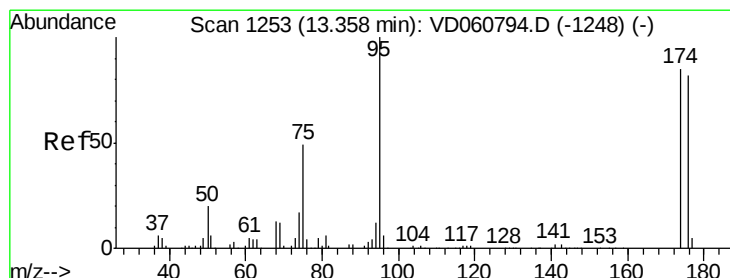
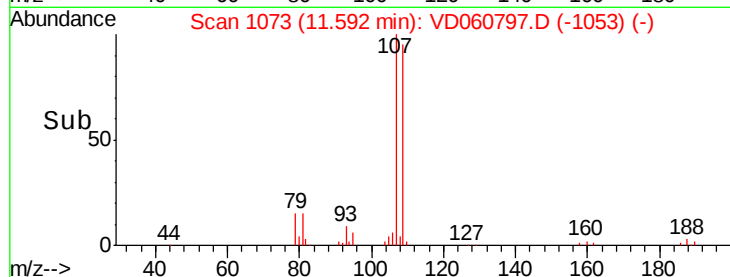
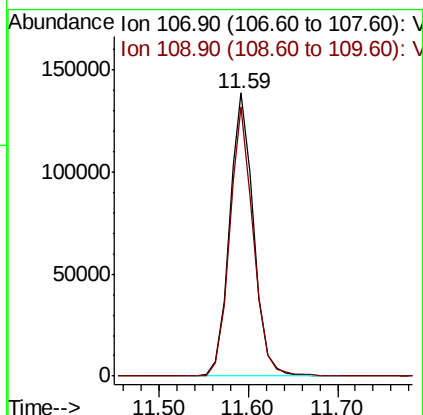
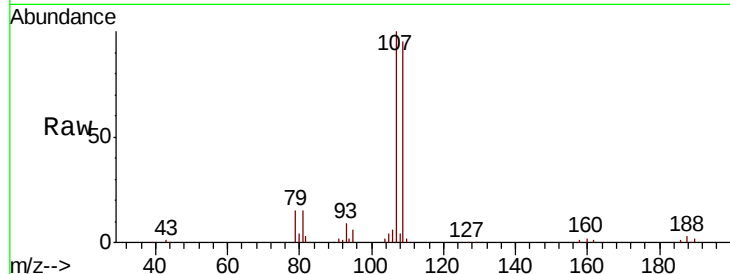




#61
 1,2-Dibromoethane
 Concen: 51.902 ug/l
 RT: 11.59 min Scan# 1073
 Delta R.T. -0.00 min
 Lab File: VD060797.D
 Acq: 28 Jan 2019 18:04

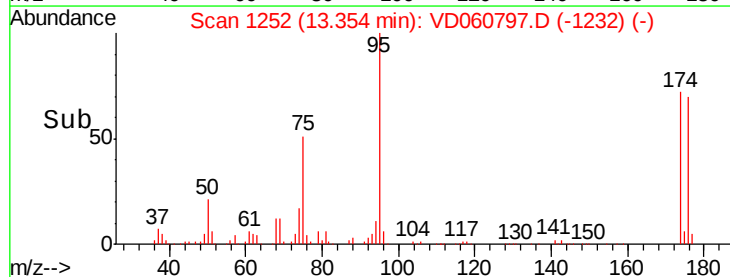
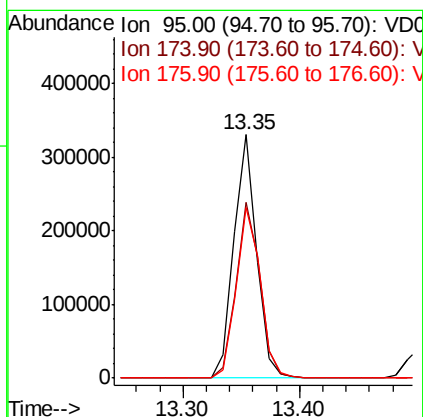
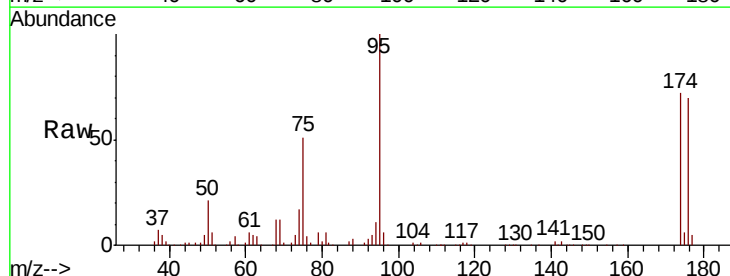
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD012819

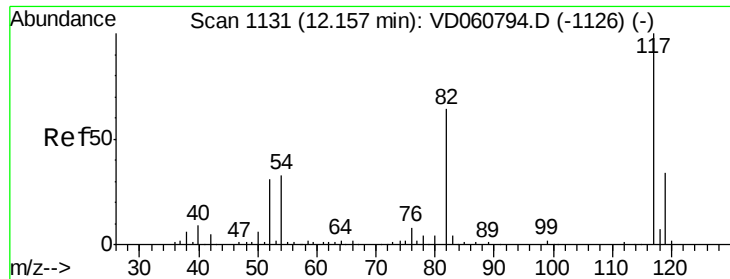
Tgt Ion: 107 Resp: 260866
 Ion Ratio Lower Upper
 107 100
 109 95.3 76.6 114.8



#62
 4-Bromofluorobenzene
 Concen: 51.902 ug/l
 RT: 13.35 min Scan# 1252
 Delta R.T. -0.00 min
 Lab File: VD060797.D
 Acq: 28 Jan 2019 18:04

Tgt Ion: 95 Resp: 447670
 Ion Ratio Lower Upper
 95 100
 174 72.0 0.0 169.6
 176 70.1 0.0 163.8

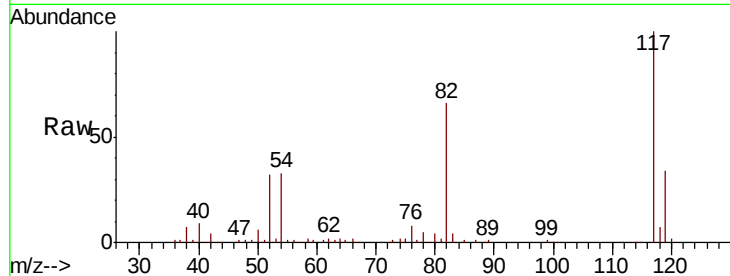




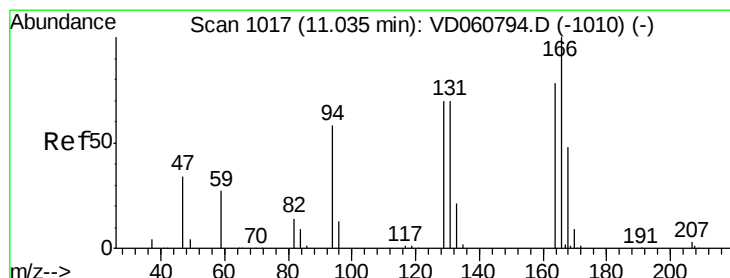
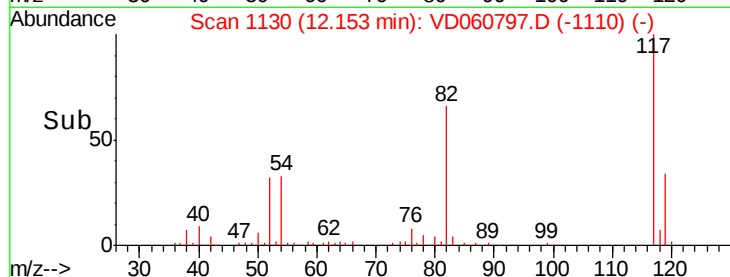
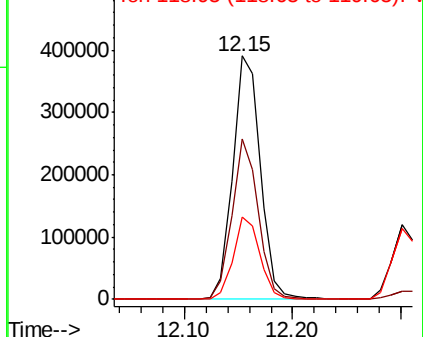
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.15 min Scan# 1130
Delta R.T. -0.00 min
Lab File: VD060797.D
Acq: 28 Jan 2019 18:04

Instrument :
MSVOA_D
ClientSampleId :
ICVVD012819

Tgt Ion:117 Resp: 693691
Ion Ratio Lower Upper
117 100
82 65.9 51.5 77.3
119 33.6 27.1 40.7

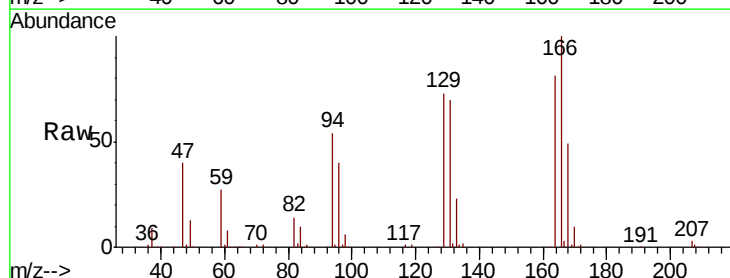


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

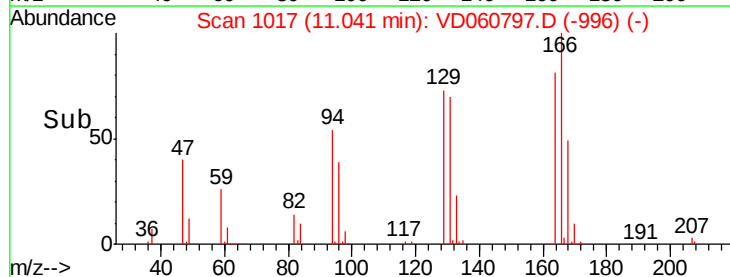
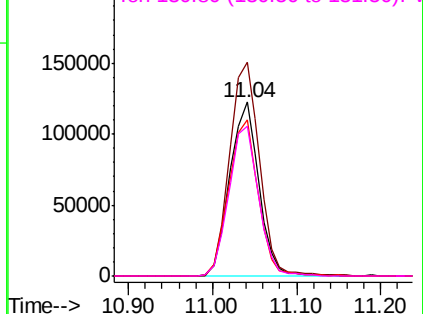


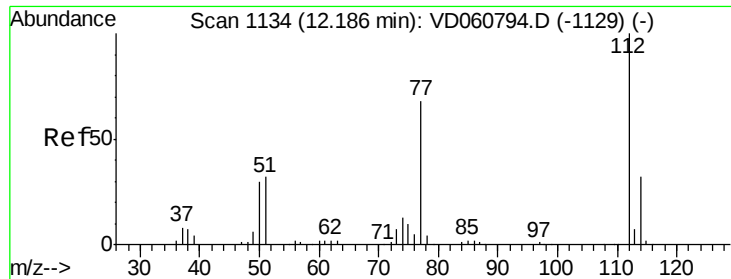
#64
Tetrachloroethene
Concen: 46.172 ug/l
RT: 11.04 min Scan# 1017
Delta R.T. 0.01 min
Lab File: VD060797.D
Acq: 28 Jan 2019 18:04

Tgt Ion:164 Resp: 293951
Ion Ratio Lower Upper
164 100
166 123.1 102.6 154.0
129 89.8 72.3 108.5
131 86.0 72.1 108.1



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

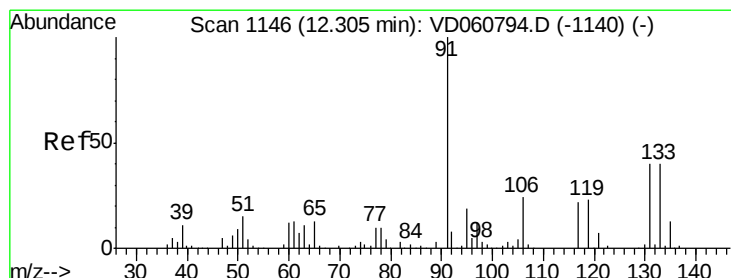
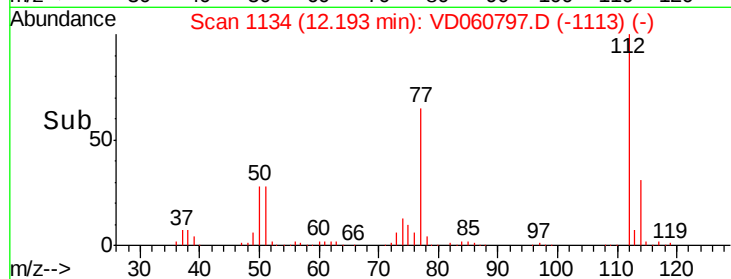
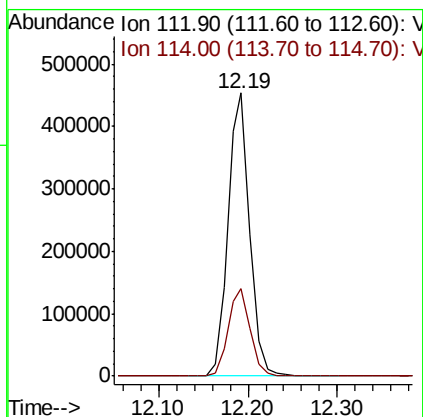
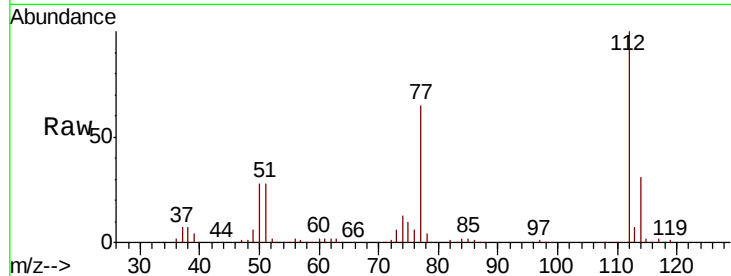




#65
Chlorobenzene
Concen: 49.074 ug/l
RT: 12.19 min Scan# 1134
Delta R.T. 0.01 min
Lab File: VD060797.D
Acq: 28 Jan 2019 18:04

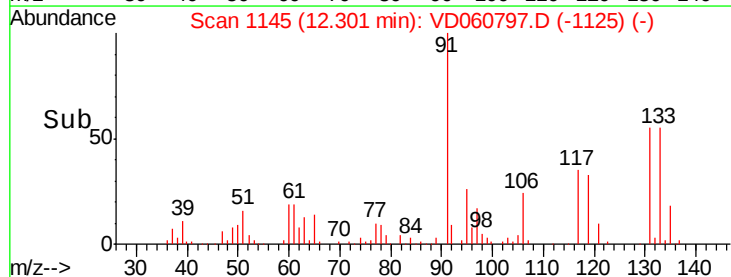
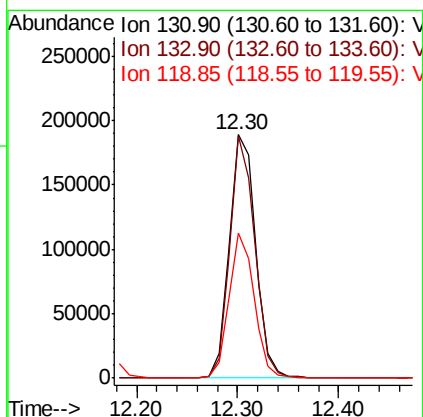
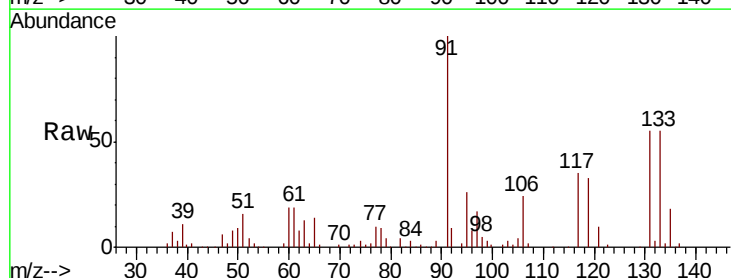
Instrument :
MSVOA_D
ClientSampleId :
ICVVD012819

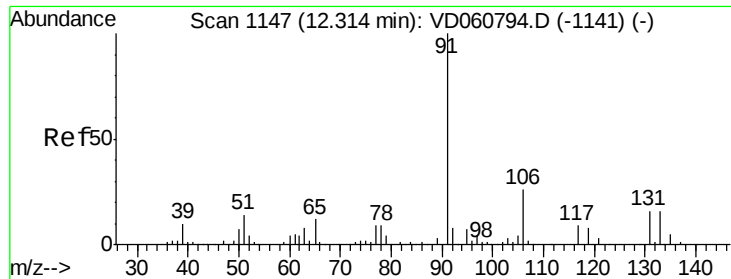
Tgt Ion:112 Resp: 777934
Ion Ratio Lower Upper
112 100
114 31.0 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 49.996 ug/l
RT: 12.30 min Scan# 1145
Delta R.T. -0.00 min
Lab File: VD060797.D
Acq: 28 Jan 2019 18:04

Tgt Ion:131 Resp: 340505
Ion Ratio Lower Upper
131 100
133 99.4 49.9 149.7
119 59.8 28.5 85.5

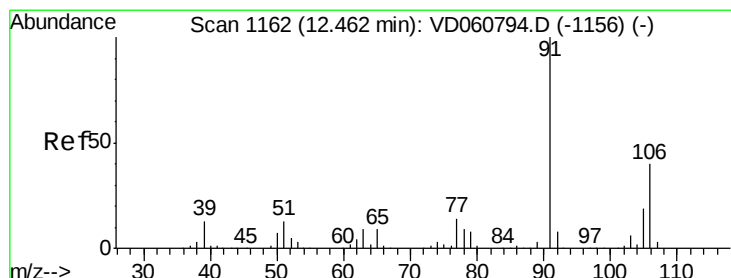
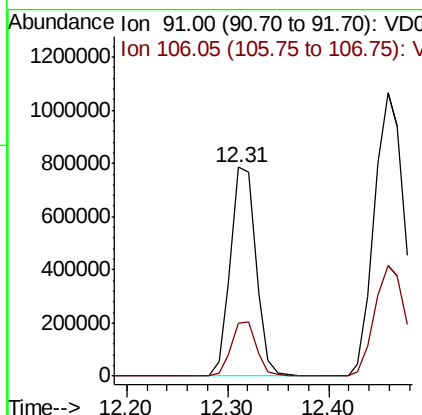
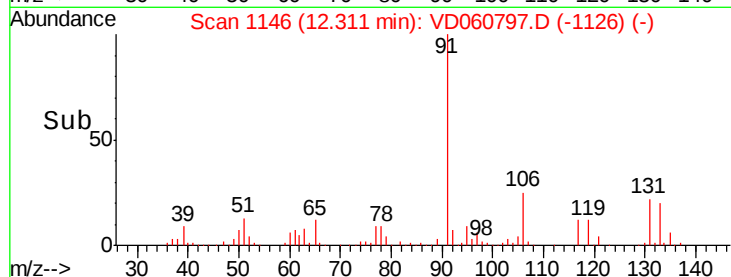
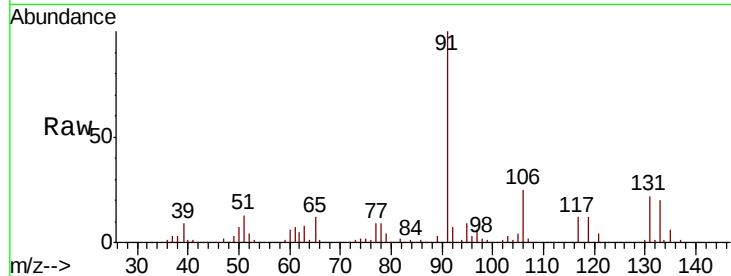




#67
Ethyl Benzene
Concen: 48.761 ug/l
RT: 12.31 min Scan# 1146
Delta R.T. -0.00 min
Lab File: VD060797.D
Acq: 28 Jan 2019 18:04

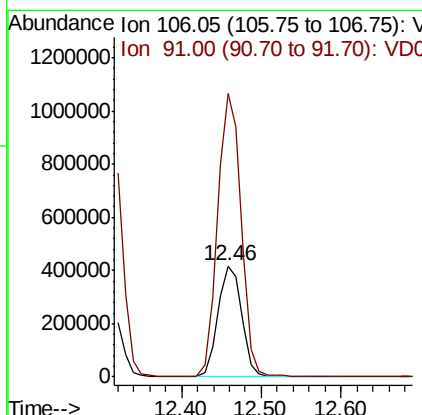
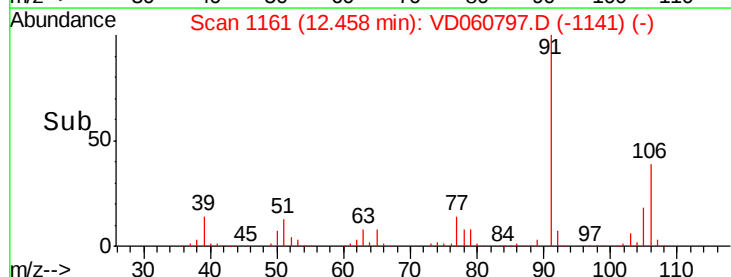
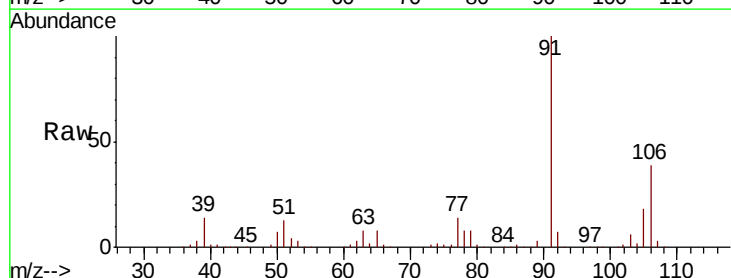
Instrument :
MSVOA_D
ClientSampled :
ICVVD012819

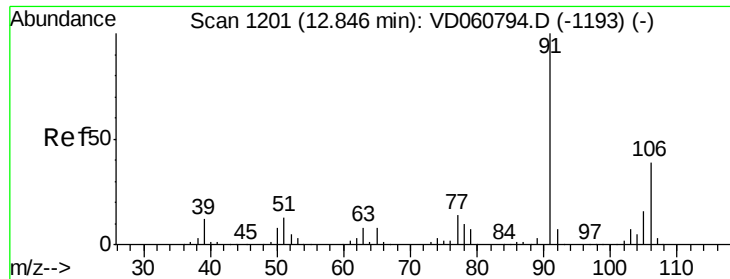
Tgt Ion: 91 Resp: 1389953
Ion Ratio Lower Upper
91 100
106 25.4 21.0 31.6



#68
m/p-Xylenes
Concen: 94.899 ug/l
RT: 12.46 min Scan# 1161
Delta R.T. -0.00 min
Lab File: VD060797.D
Acq: 28 Jan 2019 18:04

Tgt Ion: 106 Resp: 880102
Ion Ratio Lower Upper
106 100
91 255.4 200.5 300.7

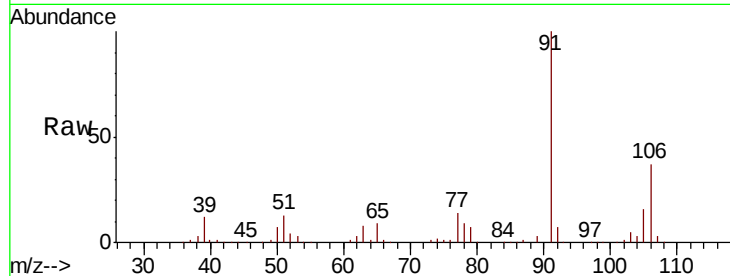




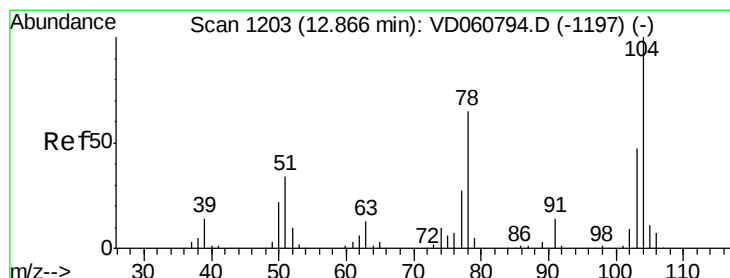
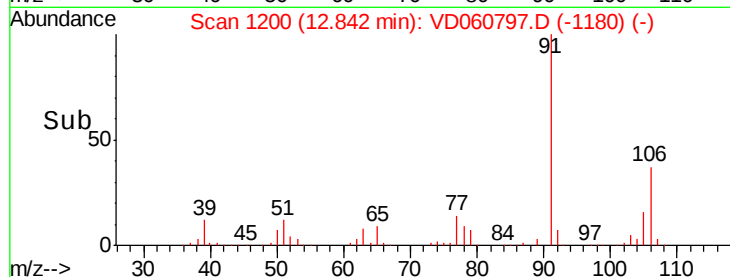
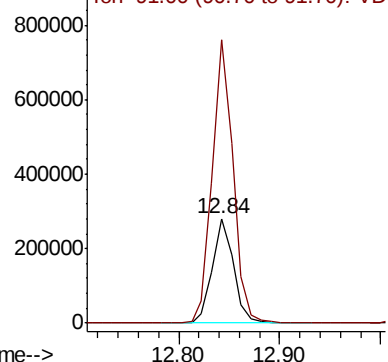
#69
o-Xylene
Concen: 44.858 ug/l
RT: 12.84 min Scan# 1200
Delta R.T. -0.00 min
Lab File: VD060797.D
Acq: 28 Jan 2019 18:04

Instrument :
MSVOA_D
ClientSampleId :
ICVVD012819

Tgt Ion:106 Resp: 411753
Ion Ratio Lower Upper
106 100
91 270.4 127.6 382.7

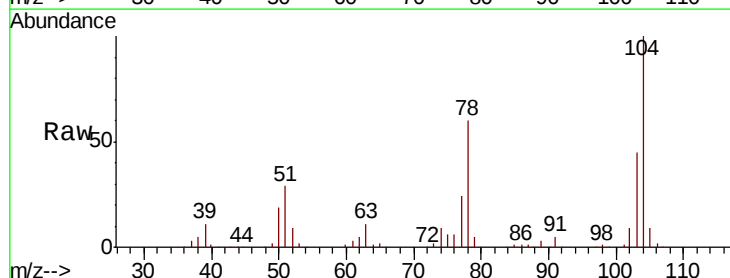


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

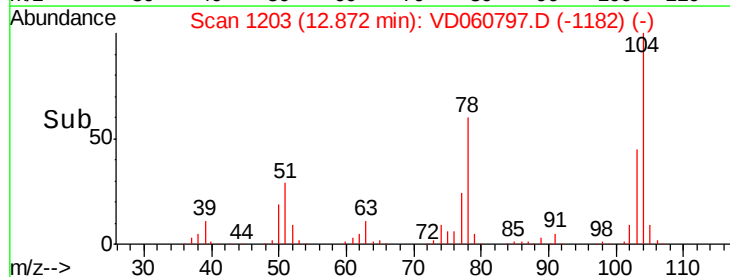
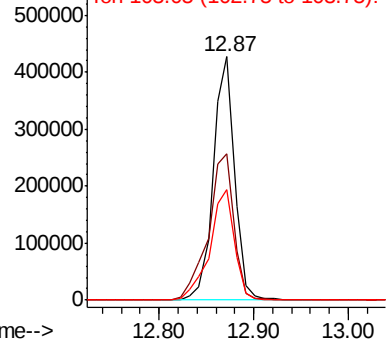


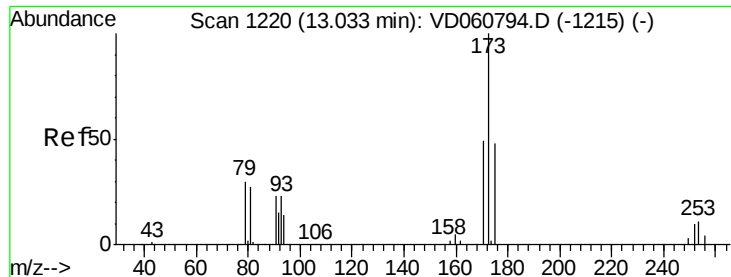
#70
Styrene
Concen: 42.969 ug/l
RT: 12.87 min Scan# 1203
Delta R.T. 0.01 min
Lab File: VD060797.D
Acq: 28 Jan 2019 18:04

Tgt Ion:104 Resp: 661403
Ion Ratio Lower Upper
104 100
78 60.1 52.0 78.0
103 45.1 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: 51.343 ug/l

RT: 13.03 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VD060797.D

Acq: 28 Jan 2019 18:04

Instrument :

MSVOA_D

ClientSampleId :

ICVVD012819

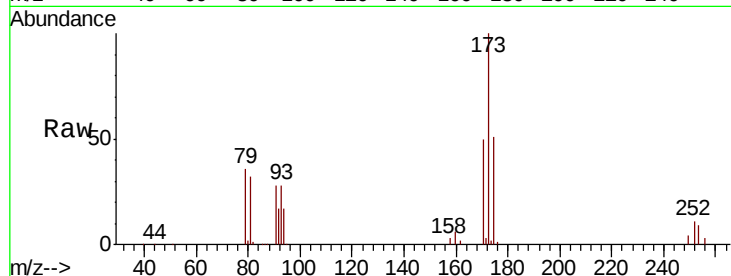
Tgt Ion:173 Resp: 263463

Ion Ratio Lower Upper

173 100

175 51.0 24.1 72.4

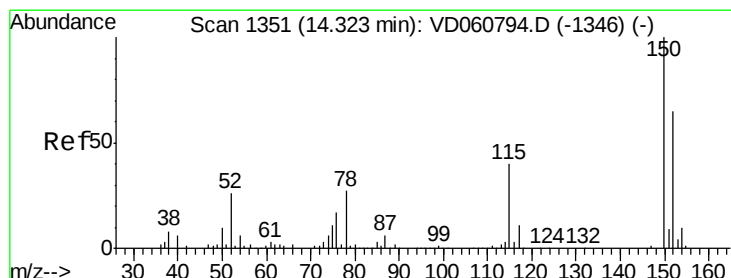
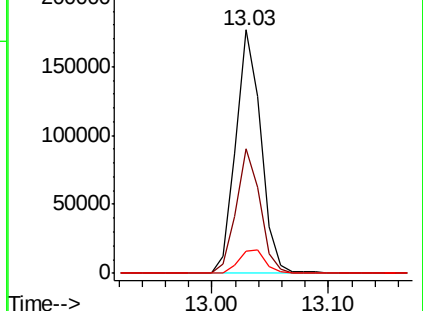
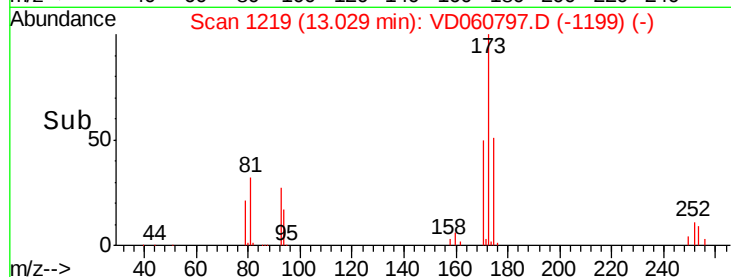
254 9.0 9.1 13.7#



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# 1350

Delta R.T. -0.00 min

Lab File: VD060797.D

Acq: 28 Jan 2019 18:04

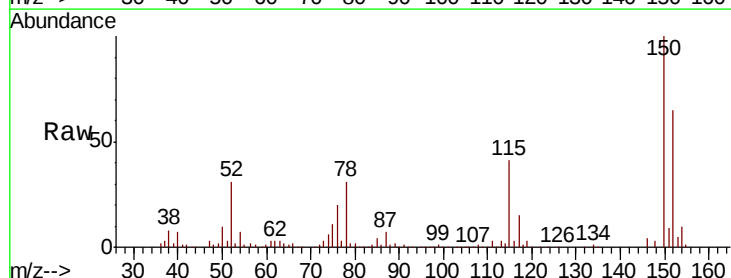
Tgt Ion:152 Resp: 352065

Ion Ratio Lower Upper

152 100

115 63.1 31.6 95.0

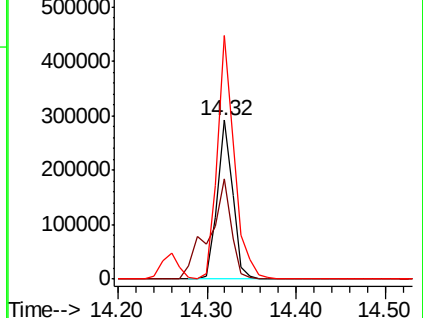
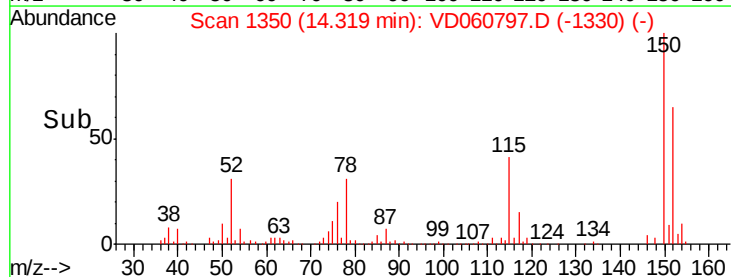
150 153.3 0.0 317.6

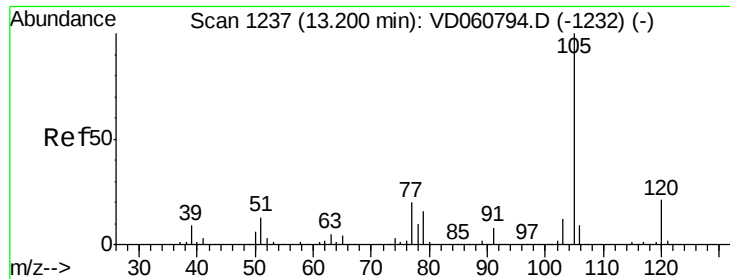


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 43.979 ug/l

RT: 13.20 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VD060797.D

Acq: 28 Jan 2019 18:04

Instrument :

MSVOA_D

ClientSampleId :

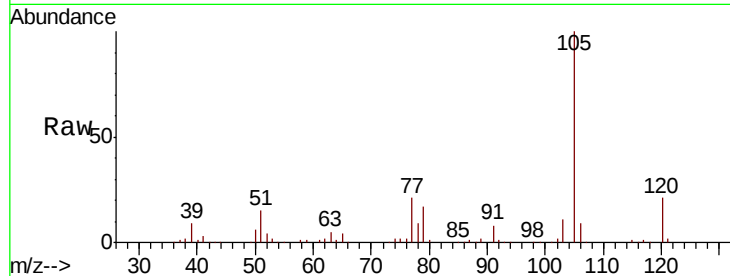
ICVVD012819

Tgt Ion: 105 Resp: 1234495

Ion Ratio Lower Upper

105 100

120 21.4 10.7 32.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

800000

600000

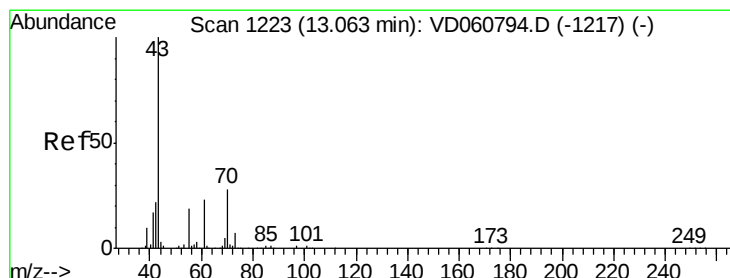
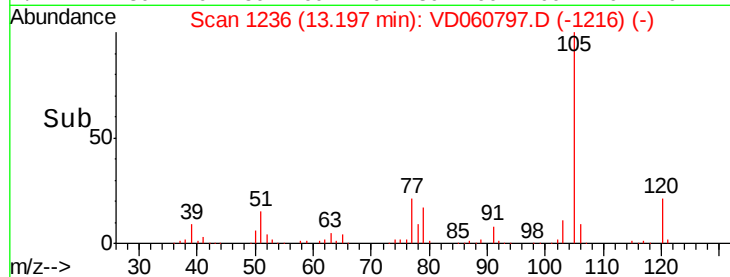
400000

200000

0

13.10 13.20 13.30

Time-->



#74

N-ethyl acetate

Concen: 50.710 ug/l

RT: 13.06 min Scan# 1222

Delta R.T. -0.00 min

Lab File: VD060797.D

Acq: 28 Jan 2019 18:04

Tgt Ion: 43 Resp: 437607

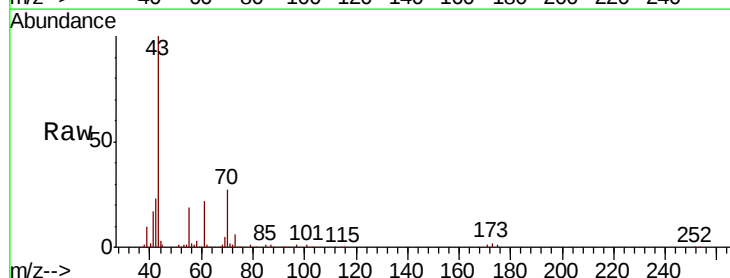
Ion Ratio Lower Upper

43 100

70 27.1 22.2 33.4

55 19.0 15.5 23.3

61 22.5 18.4 27.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

400000

300000

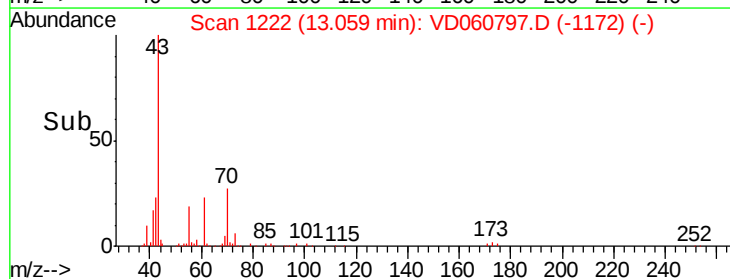
200000

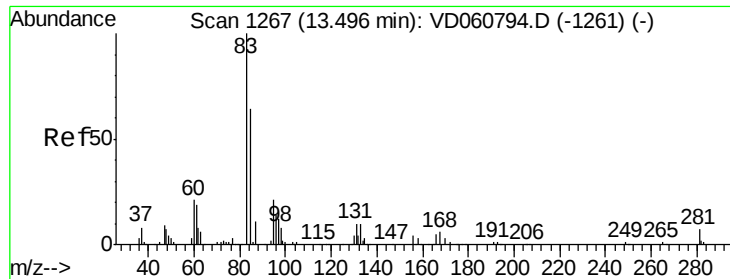
100000

0

13.00 13.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 47.835 ug/l

RT: 13.50 min Scan# 1267

Delta R.T. 0.01 min

Lab File: VD060797.D

Acq: 28 Jan 2019 18:04

Instrument :

MSVOA_D

ClientSampleId :

ICVVD012819

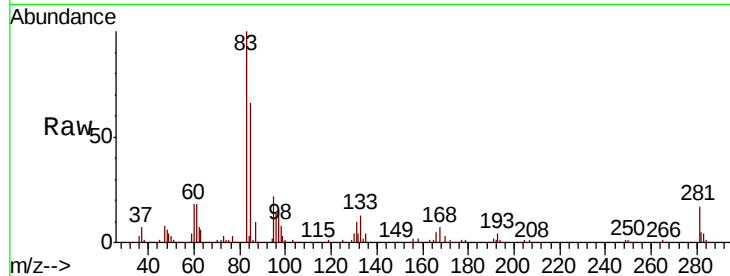
Tgt Ion: 83 Resp: 244491

Ion Ratio Lower Upper

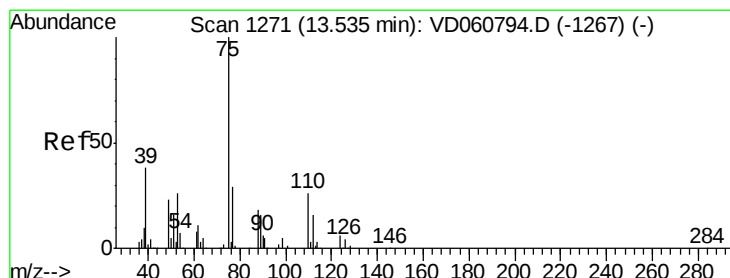
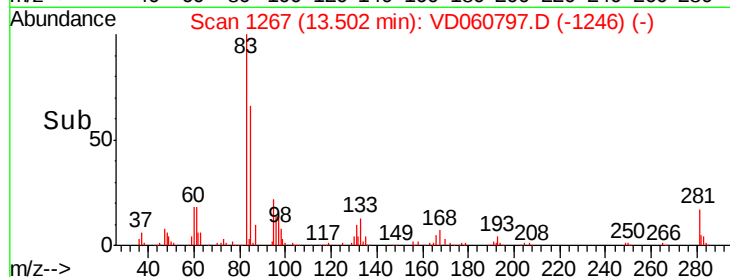
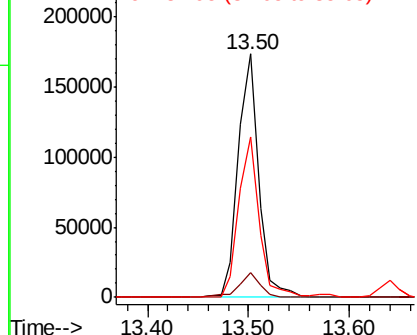
83 100

131 9.9 5.0 15.0

85 65.7 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: 47.691 ug/l

RT: 13.53 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD060797.D

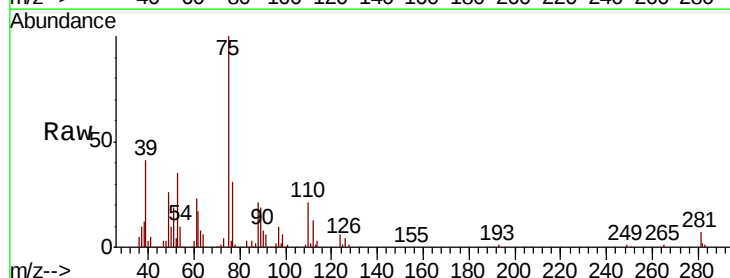
Acq: 28 Jan 2019 18:04

Tgt Ion: 75 Resp: 307897

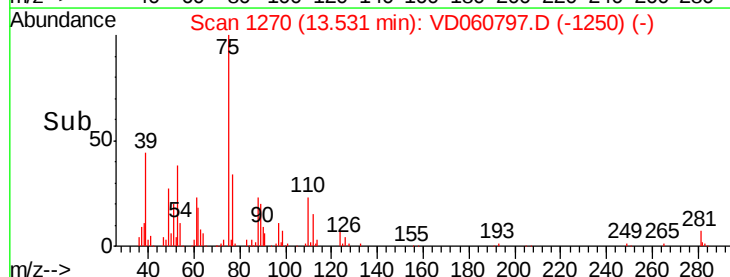
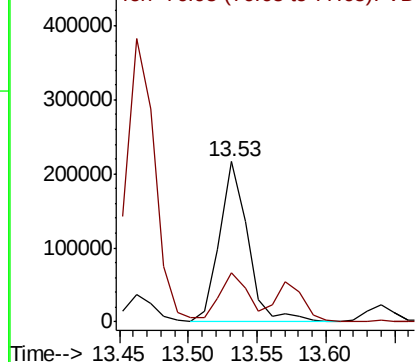
Ion Ratio Lower Upper

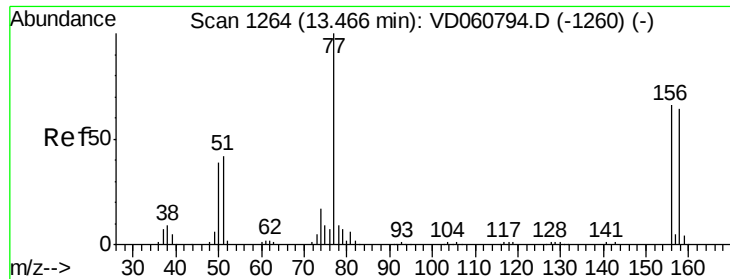
75 100

77 31.0 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: 48.512 ug/l

RT: 13.47 min Scan# 1264

Delta R.T. 0.01 min

Lab File: VD060797.D

Acq: 28 Jan 2019 18:04

Instrument :

MSVOA_D

ClientSampleId :

ICVVD012819

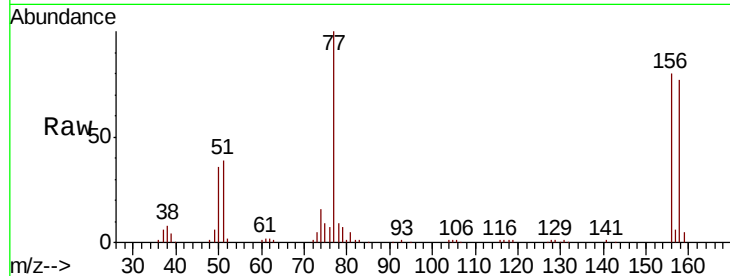
Tgt Ion:156 Resp: 350050

Ion Ratio Lower Upper

156 100

77 125.3 76.0 228.0

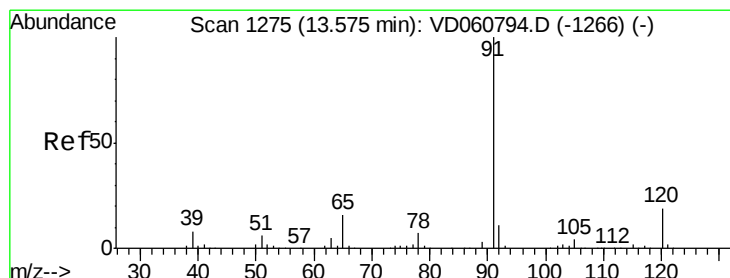
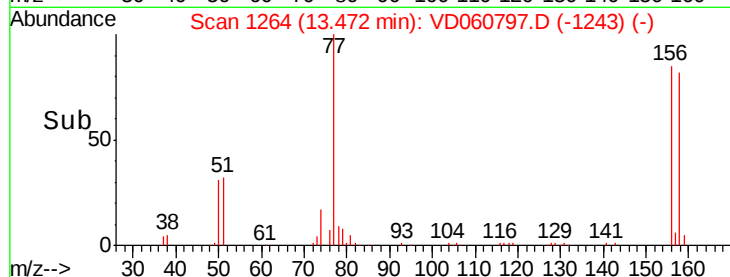
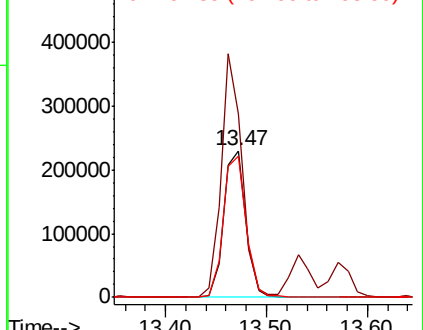
158 96.8 48.4 145.0



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: 45.339 ug/l

RT: 13.57 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VD060797.D

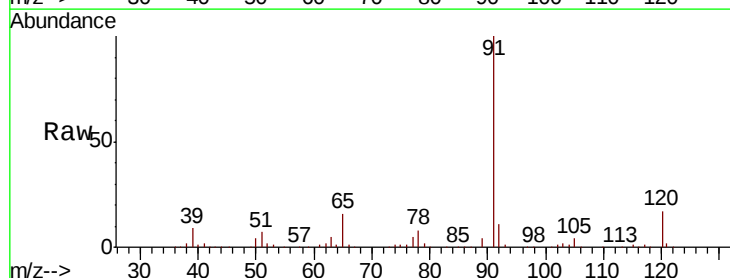
Acq: 28 Jan 2019 18:04

Tgt Ion: 91 Resp: 1597664

Ion Ratio Lower Upper

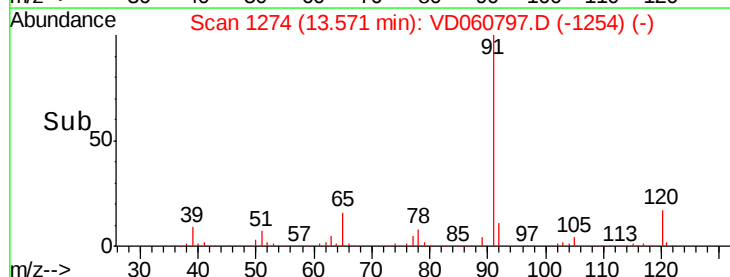
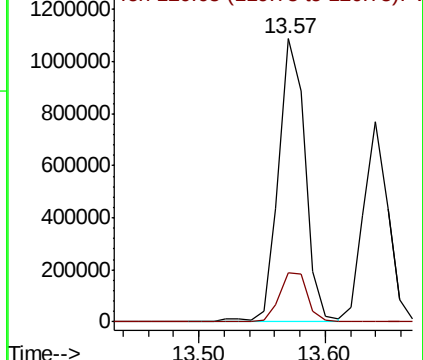
91 100

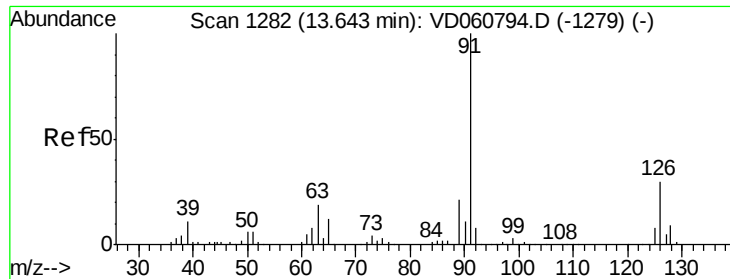
120 17.1 9.7 28.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

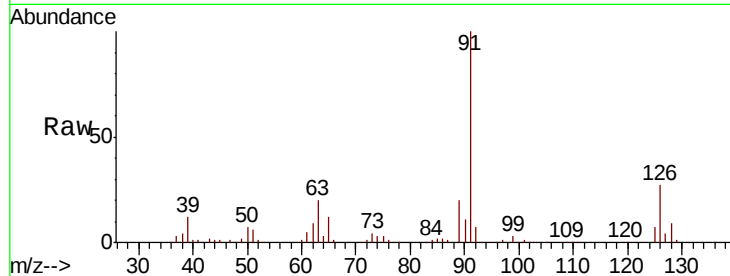




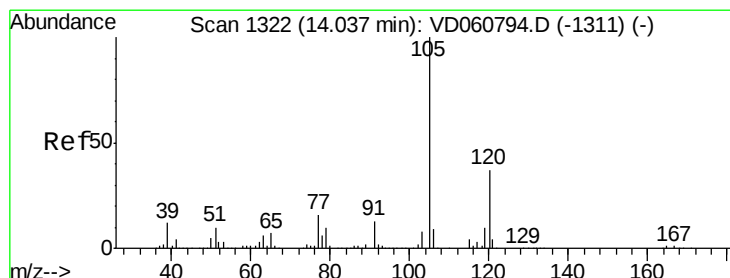
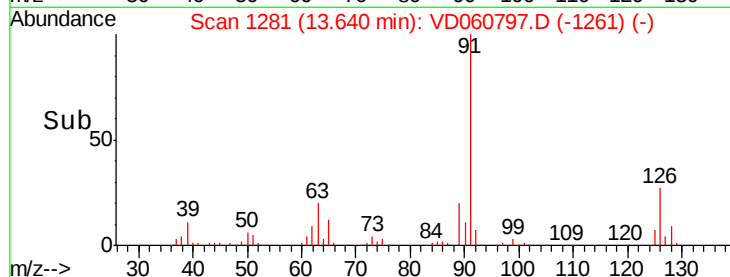
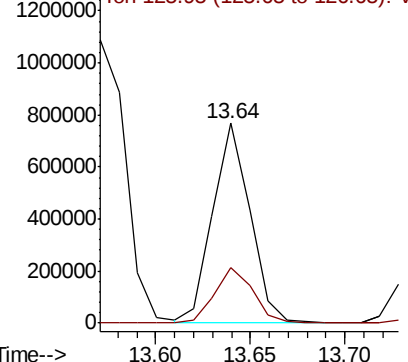
#79
 2-Chlorotoluene
 Concen: 48.432 ug/l
 RT: 13.64 min Scan# 1281
 Delta R.T. -0.00 min
 Lab File: VD060797.D
 Acq: 28 Jan 2019 18:04

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD012819

Tgt Ion: 91 Resp: 1040946
 Ion Ratio Lower Upper
 91 100
 126 27.5 14.7 44.1

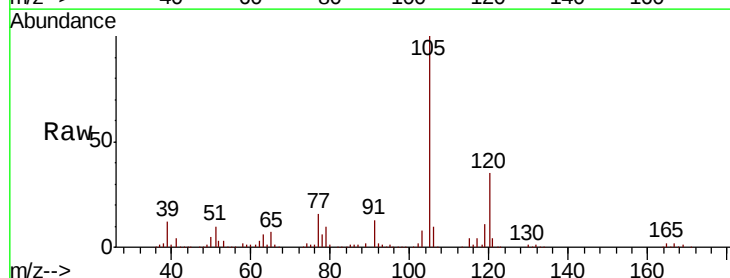


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

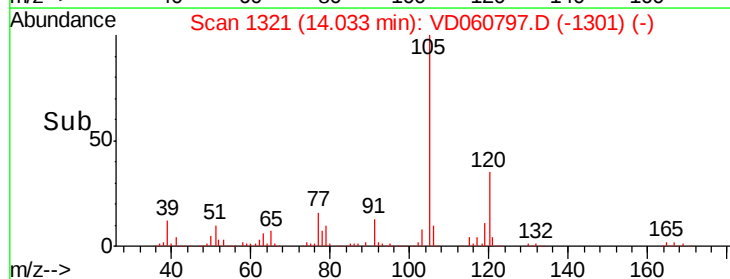
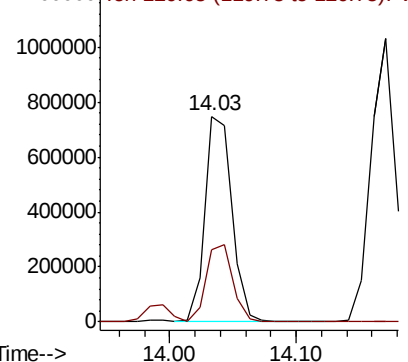


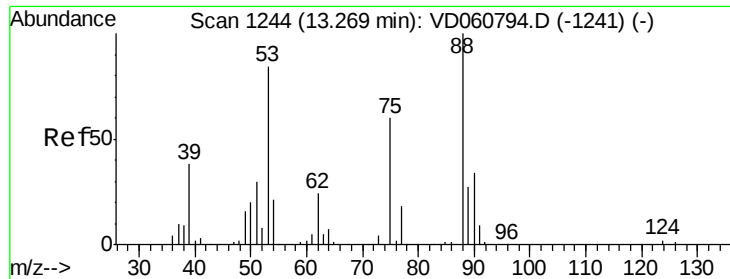
#80
 1,3,5-Trimethylbenzene
 Concen: 45.680 ug/l
 RT: 14.03 min Scan# 1321
 Delta R.T. -0.00 min
 Lab File: VD060797.D
 Acq: 28 Jan 2019 18:04

Tgt Ion: 105 Resp: 1103885
 Ion Ratio Lower Upper
 105 100
 120 35.1 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: 48.102 ug/l

RT: 13.28 min Scan# 1244

Delta R.T. 0.01 min

Lab File: VD060797.D

Acq: 28 Jan 2019 18:04

Instrument :

MSVOA_D

ClientSampleId :

ICVVD012819

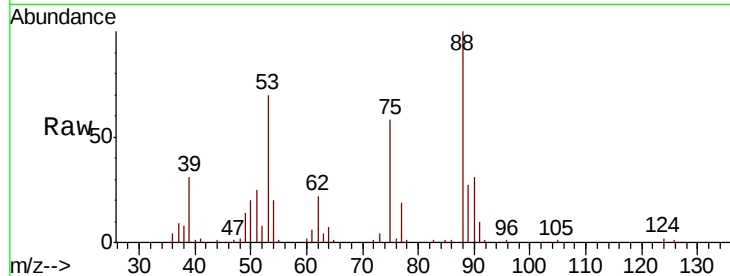
Tgt Ion: 75 Resp: 80962

Ion Ratio Lower Upper

75 100

53 119.8 111.6 167.4

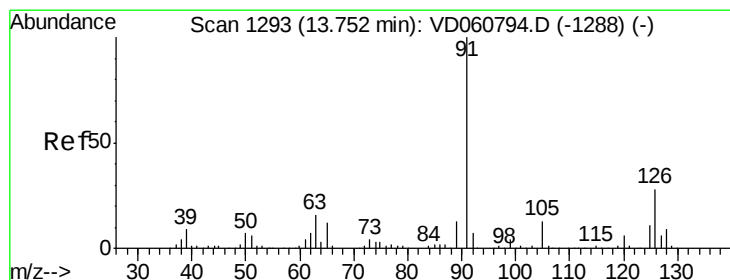
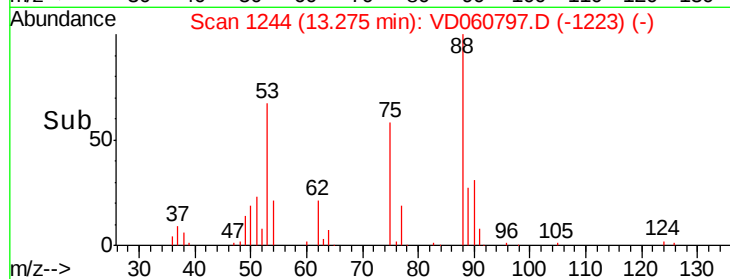
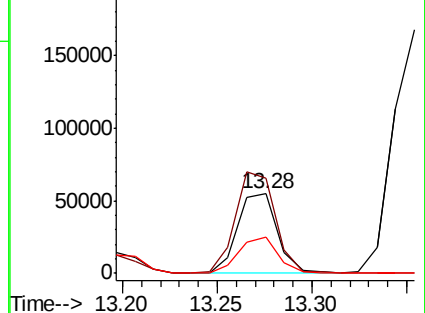
89 46.4 35.9 53.9



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 49.128 ug/l

RT: 13.75 min Scan# 1292

Delta R.T. -0.00 min

Lab File: VD060797.D

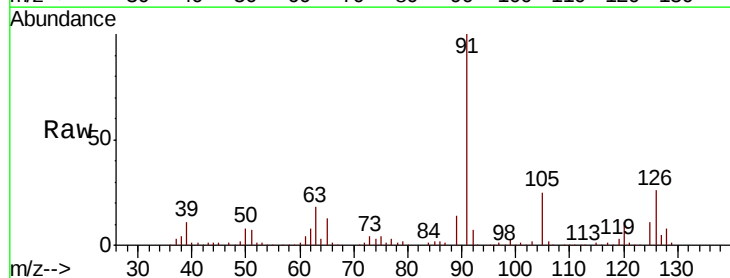
Acq: 28 Jan 2019 18:04

Tgt Ion: 91 Resp: 1173558

Ion Ratio Lower Upper

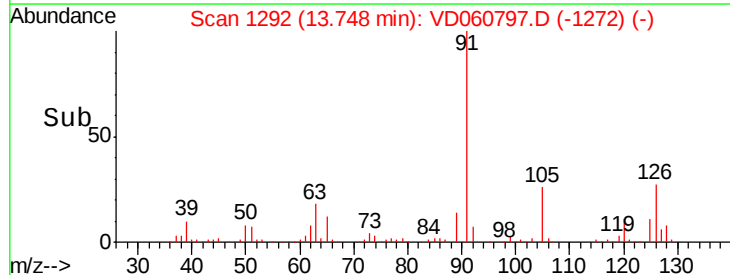
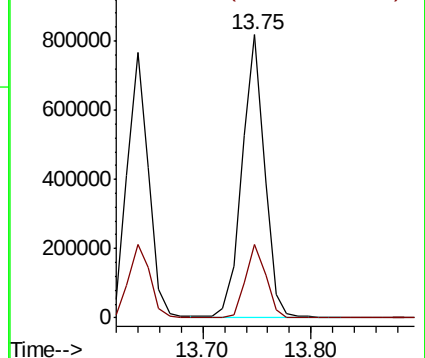
91 100

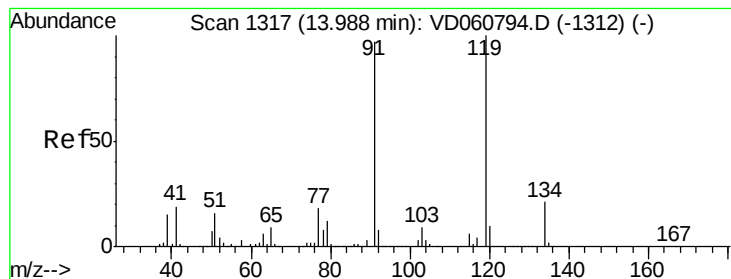
126 25.9 13.9 41.7



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 48.364 ug/l

RT: 13.99 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VD060797.D

Acq: 28 Jan 2019 18:04

Instrument :

MSVOA_D

ClientSampleId :

ICVVD012819

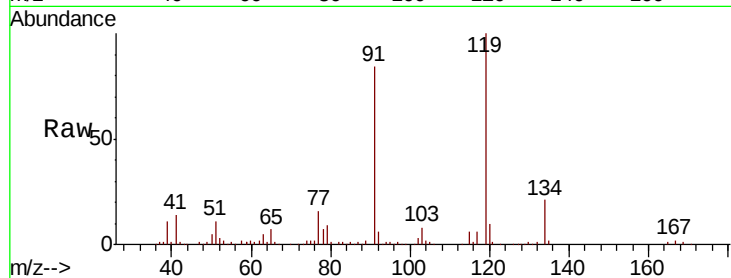
Tgt Ion:119 Resp: 1222771

Ion Ratio Lower Upper

119 100

91 84.2 48.5 145.5

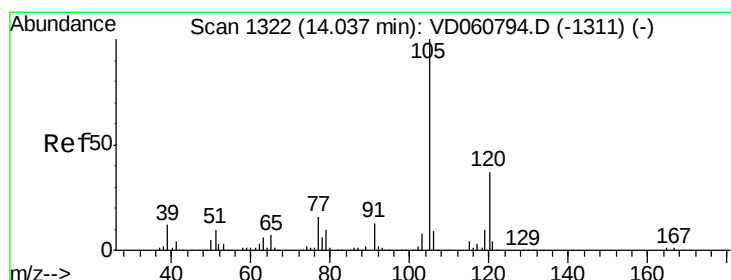
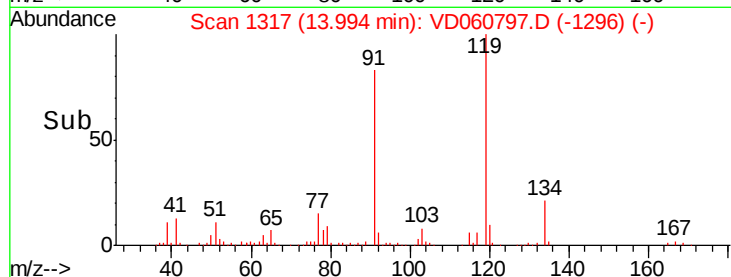
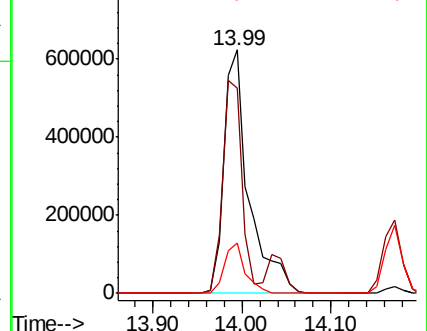
134 20.7 10.3 30.8



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 45.680 ug/l

RT: 14.03 min Scan# 1321

Delta R.T. -0.00 min

Lab File: VD060797.D

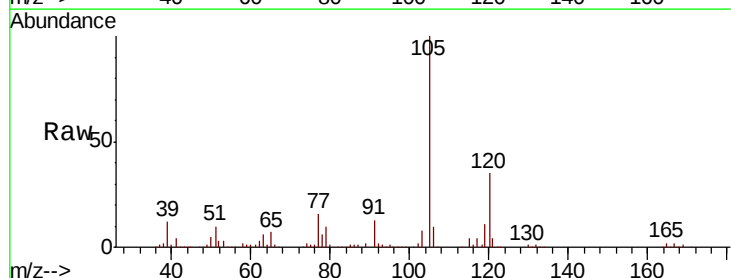
Acq: 28 Jan 2019 18:04

Tgt Ion:105 Resp: 1103885

Ion Ratio Lower Upper

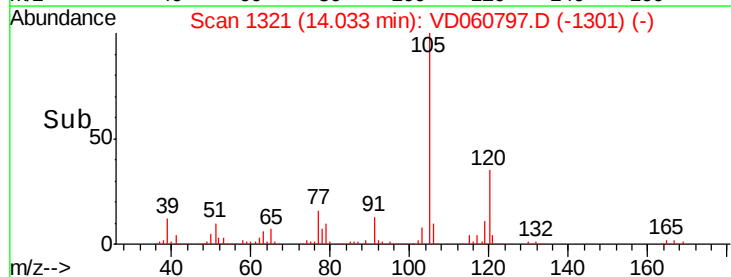
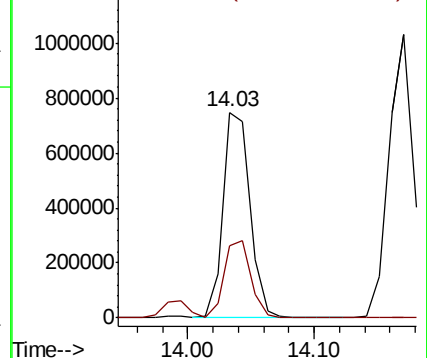
105 100

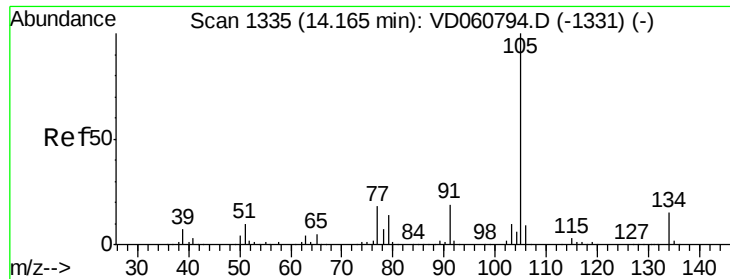
120 35.1 18.4 55.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

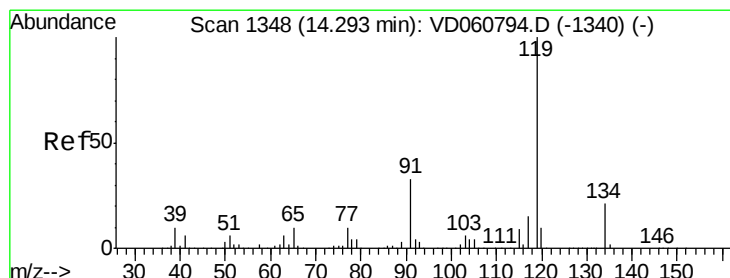
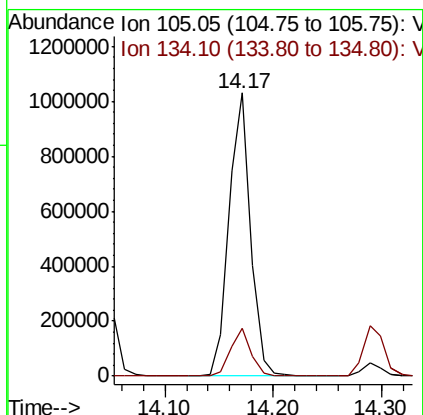
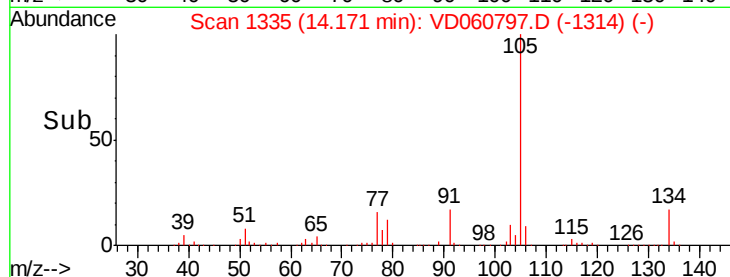
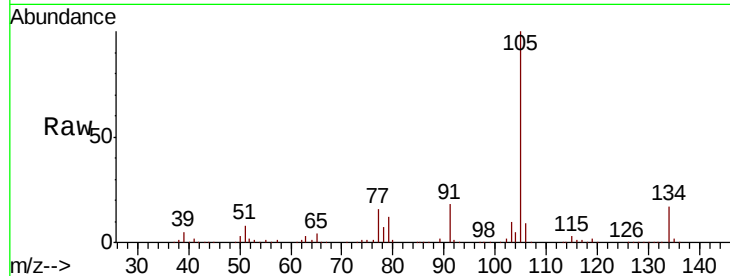




#85
 sec-Butylbenzene
 Concen: 49.224 ug/l
 RT: 14.17 min Scan# 1335
 Delta R.T. 0.01 min
 Lab File: VD060797.D
 Acq: 28 Jan 2019 18:04

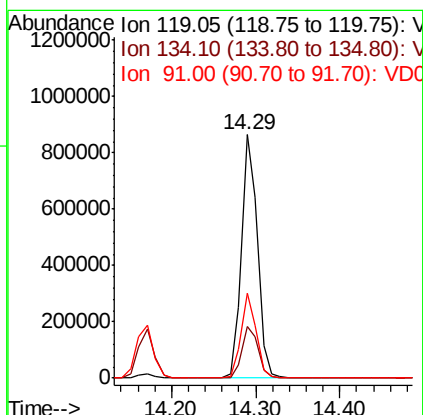
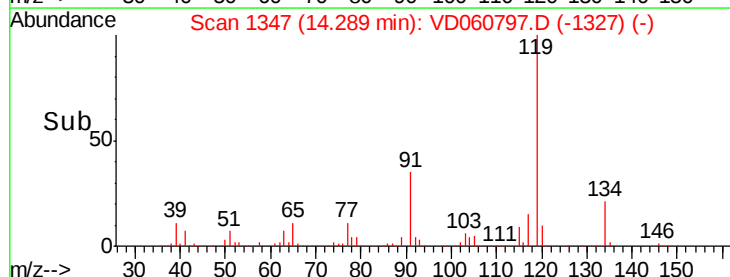
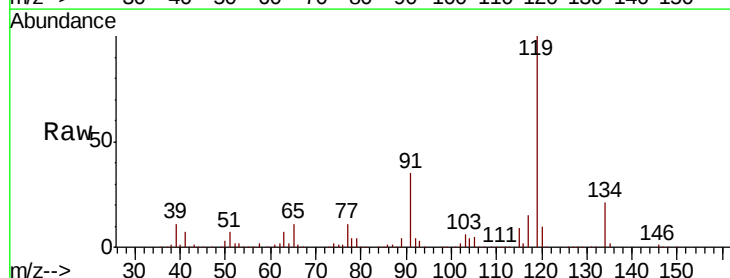
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD012819

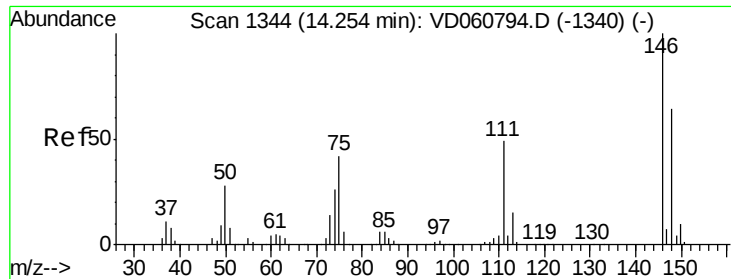
Tgt Ion:105 Resp: 1416637
 Ion Ratio Lower Upper
 105 100
 134 16.8 7.4 22.2



#86
 p-Isopropyltoluene
 Concen: 48.570 ug/l
 RT: 14.29 min Scan# 1347
 Delta R.T. -0.00 min
 Lab File: VD060797.D
 Acq: 28 Jan 2019 18:04

Tgt Ion:119 Resp: 1134870
 Ion Ratio Lower Upper
 119 100
 134 21.3 10.8 32.3
 91 34.7 16.7 50.0

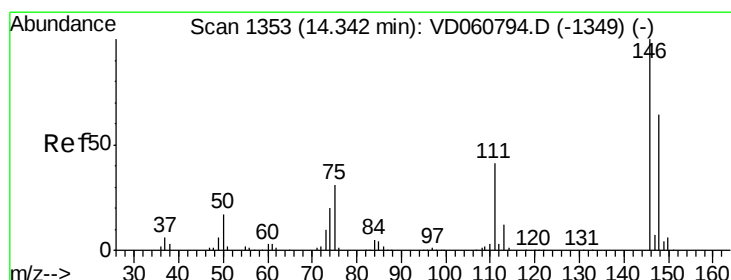
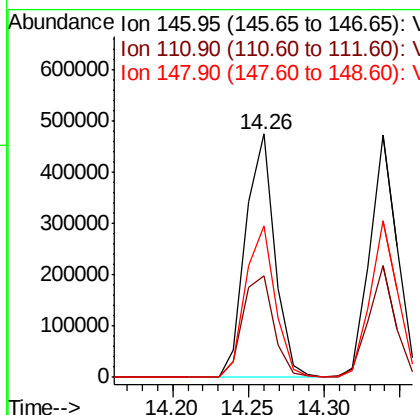
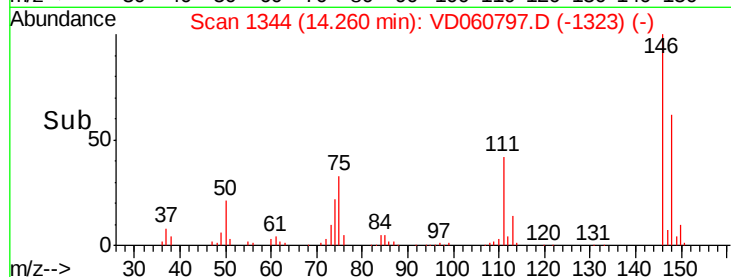
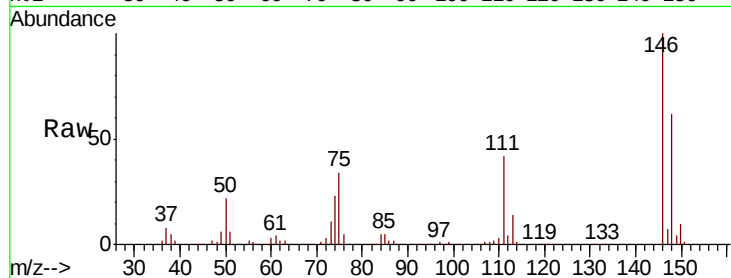




#87
 1,3-Dichlorobenzene
 Concen: 49.292 ug/l
 RT: 14.26 min Scan# 1344
 Delta R.T. 0.01 min
 Lab File: VD060797.D
 Acq: 28 Jan 2019 18:04

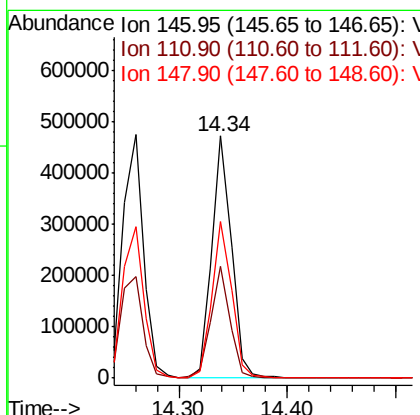
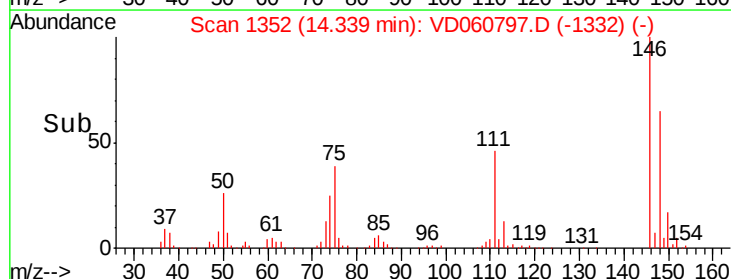
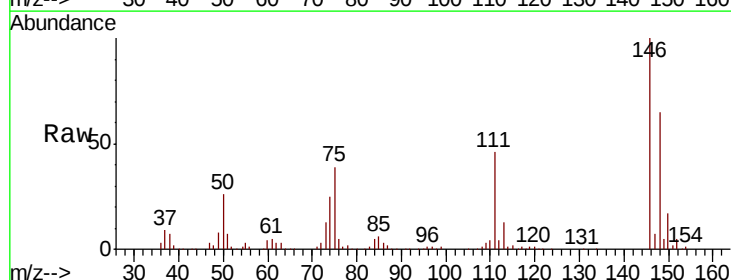
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD012819

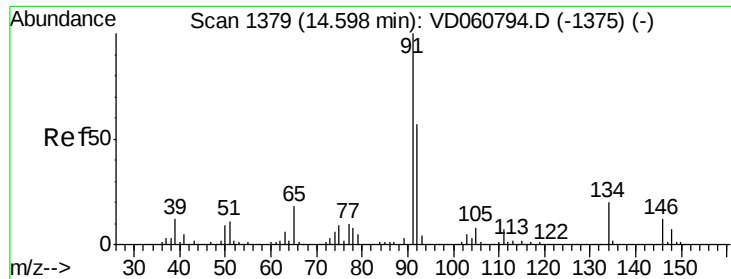
Tgt Ion:146 Resp: 636177
 Ion Ratio Lower Upper
 146 100
 111 41.8 24.3 73.0
 148 62.3 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 47.784 ug/l
 RT: 14.34 min Scan# 1352
 Delta R.T. -0.00 min
 Lab File: VD060797.D
 Acq: 28 Jan 2019 18:04

Tgt Ion:146 Resp: 599215
 Ion Ratio Lower Upper
 146 100
 111 46.2 20.6 61.8
 148 64.7 31.9 95.7

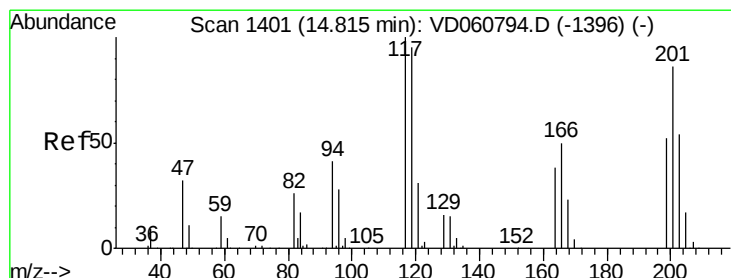
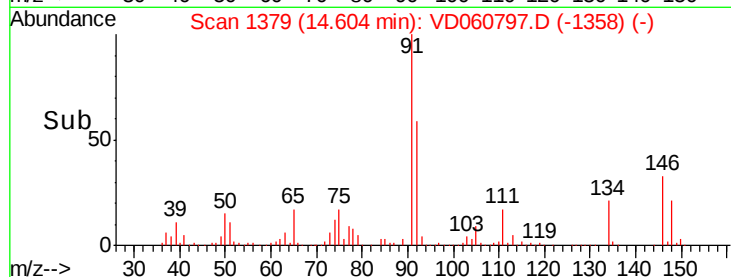
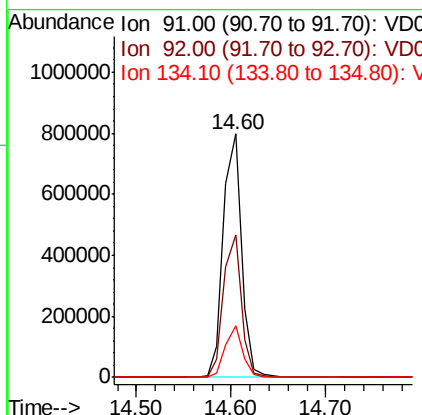
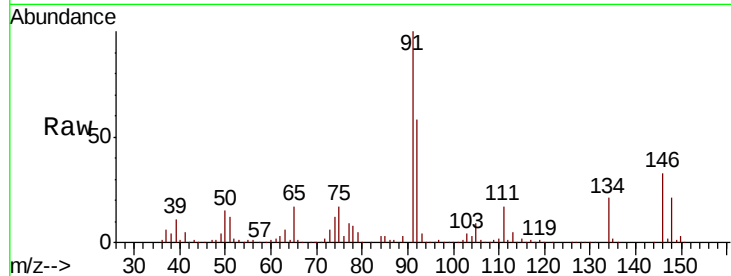




#89
n-Butylbenzene
Concen: 43.852 ug/l
RT: 14.60 min Scan# 1379
Delta R.T. 0.01 min
Lab File: VD060797.D
Acq: 28 Jan 2019 18:04

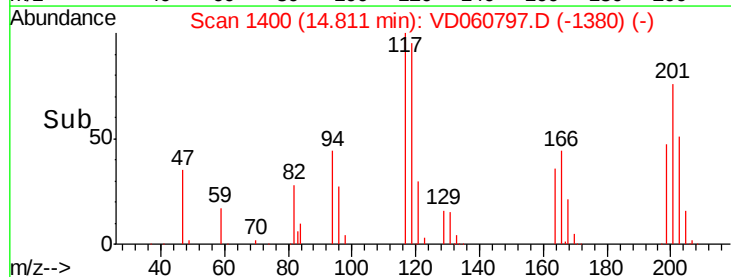
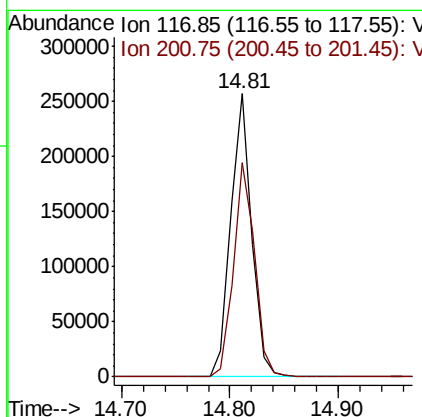
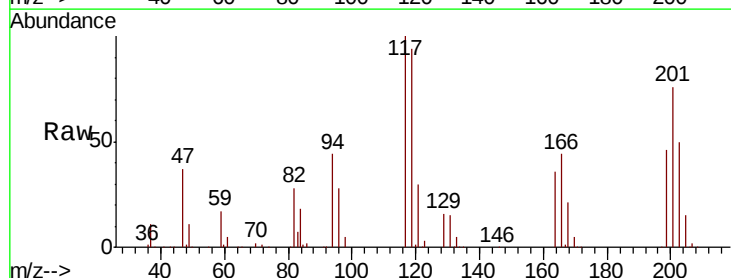
Instrument :
MSVOA_D
ClientSampleId :
ICVVD012819

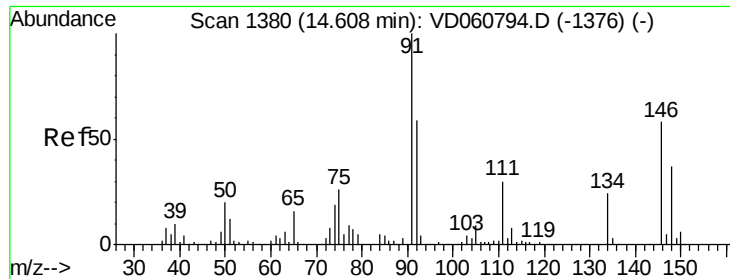
Tgt Ion: 91 Resp: 1069053
Ion Ratio Lower Upper
91 100
92 58.5 28.5 85.5
134 21.3 10.0 29.8



#90
Hexachloroethane
Concen: 49.709 ug/l
RT: 14.81 min Scan# 1400
Delta R.T. -0.00 min
Lab File: VD060797.D
Acq: 28 Jan 2019 18:04

Tgt Ion: 117 Resp: 345636
Ion Ratio Lower Upper
117 100
201 75.7 43.0 128.8

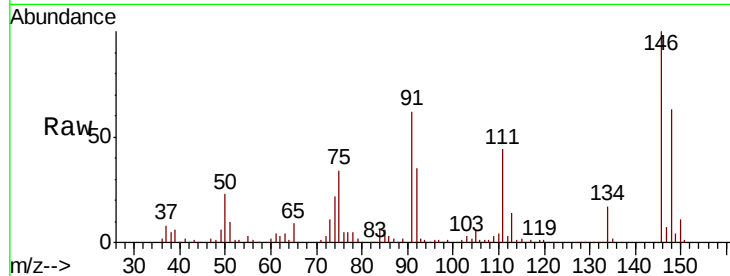




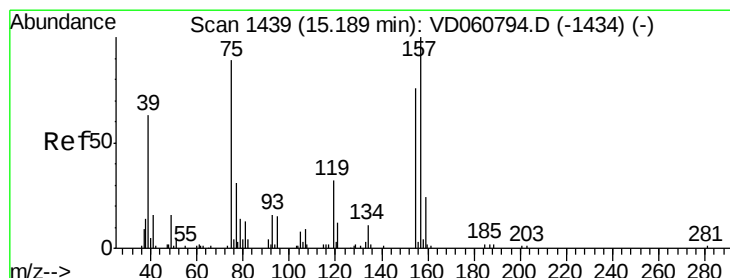
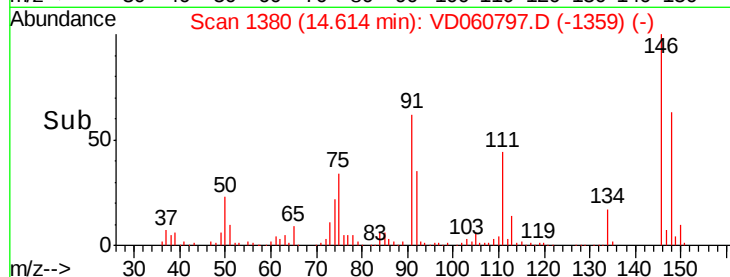
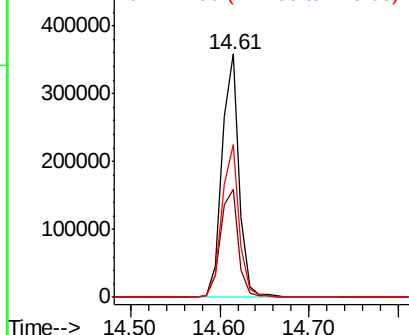
#91
 1,2-Dichlorobenzene
 Concen: 45.029 ug/l
 RT: 14.61 min Scan# 1380
 Delta R.T. 0.01 min
 Lab File: VD060797.D
 Acq: 28 Jan 2019 18:04

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD012819

Tgt Ion: 146 Resp: 482378
 Ion Ratio Lower Upper
 146 100
 111 44.2 25.6 76.8
 148 63.0 31.4 94.3

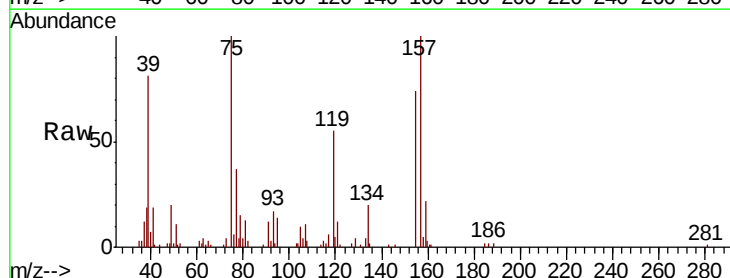


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

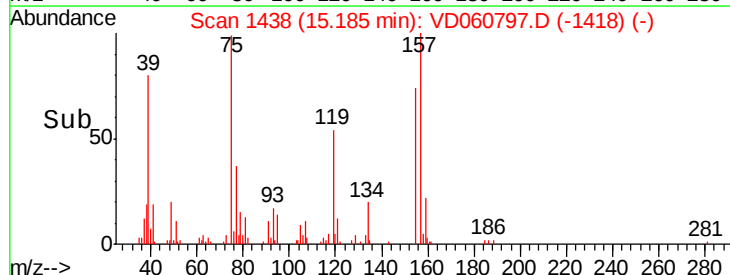
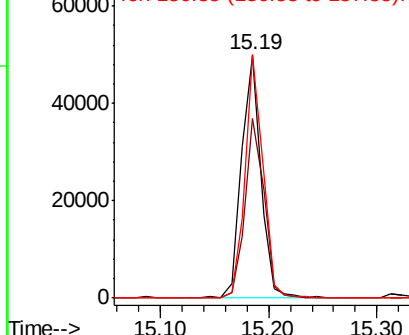


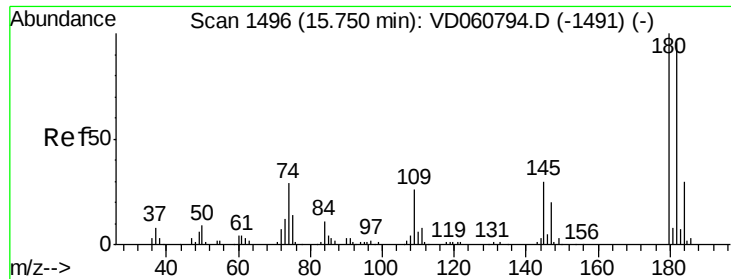
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.775 ug/l
 RT: 15.19 min Scan# 1438
 Delta R.T. -0.00 min
 Lab File: VD060797.D
 Acq: 28 Jan 2019 18:04

Tgt Ion: 75 Resp: 61655
 Ion Ratio Lower Upper
 75 100
 155 73.9 43.0 129.0
 157 100.3 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

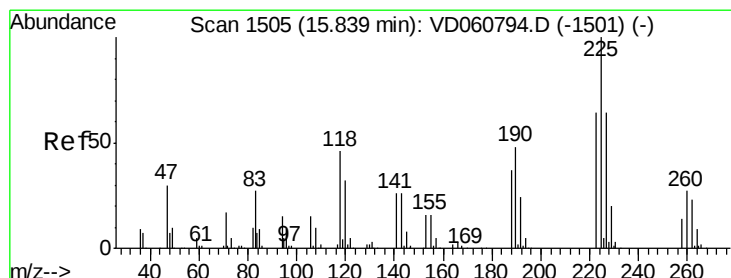
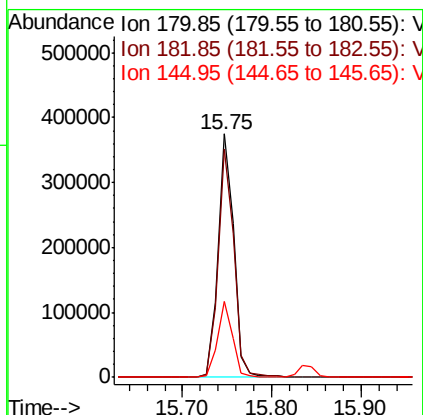
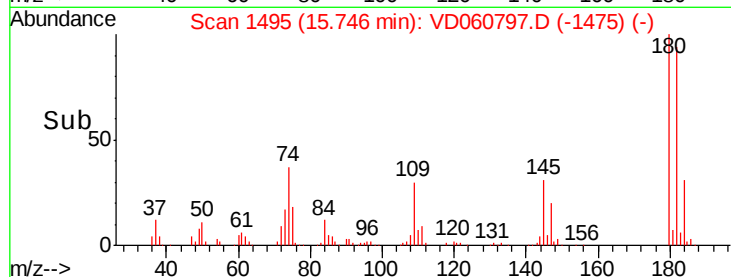
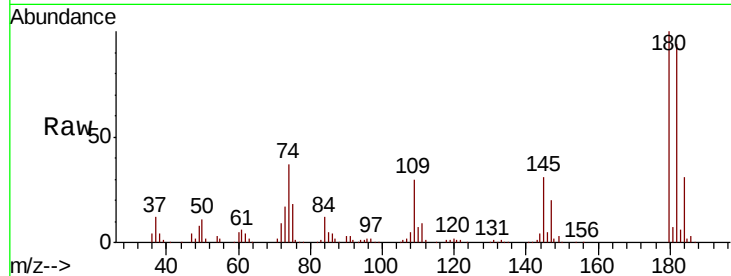




#93
 1,2,4-Trichlorobenzene
 Concen: 50.002 ug/l
 RT: 15.75 min Scan# 1495
 Delta R.T. -0.00 min
 Lab File: VD060797.D
 Acq: 28 Jan 2019 18:04

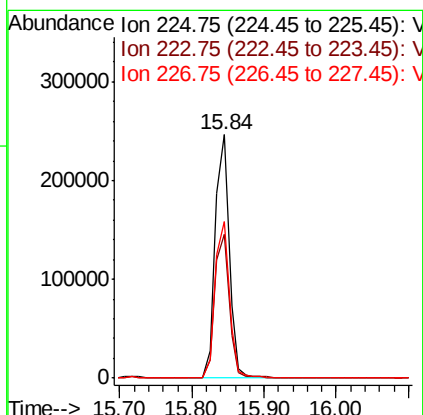
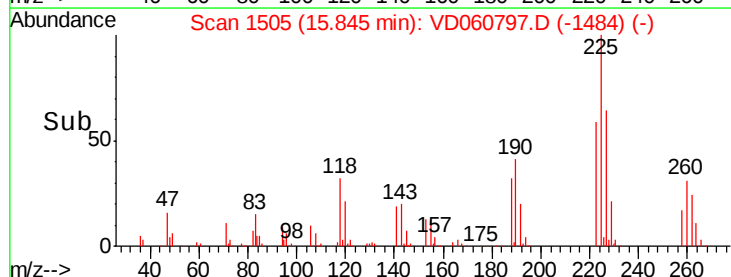
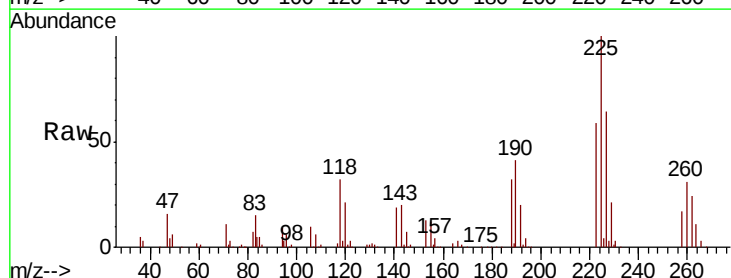
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD012819

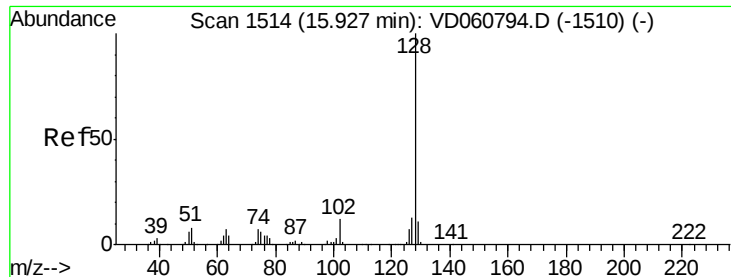
Tgt Ion:180 Resp: 463810
 Ion Ratio Lower Upper
 180 100
 182 93.7 47.9 143.7
 145 31.2 15.0 45.1



#94
 Hexachlorobutadiene
 Concen: 47.459 ug/l
 RT: 15.84 min Scan# 1505
 Delta R.T. 0.01 min
 Lab File: VD060797.D
 Acq: 28 Jan 2019 18:04

Tgt Ion:225 Resp: 330302
 Ion Ratio Lower Upper
 225 100
 223 59.0 31.8 95.4
 227 64.1 31.9 95.5





#95

Naphthalene

Concen: 50.928 ug/l

RT: 15.92 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VD060797.D

Acq: 28 Jan 2019 18:04

Instrument :

MSVOA_D

ClientSampleId :

ICVVD012819

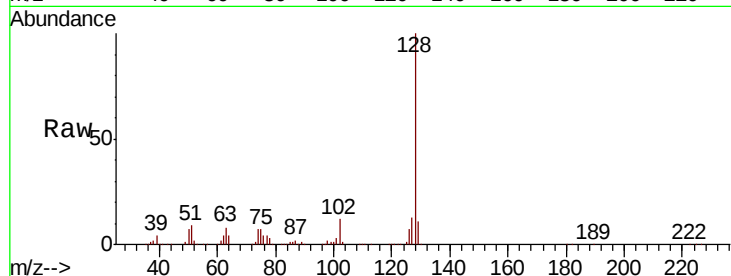
Tgt Ion:128 Resp: 725820

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

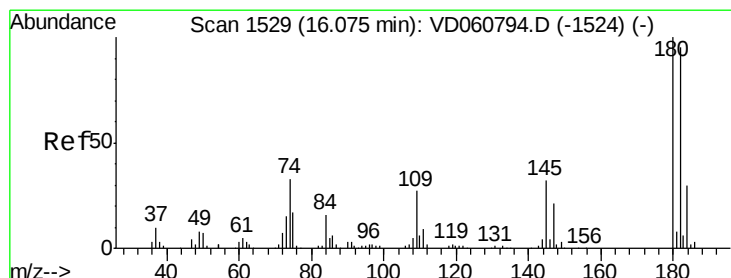
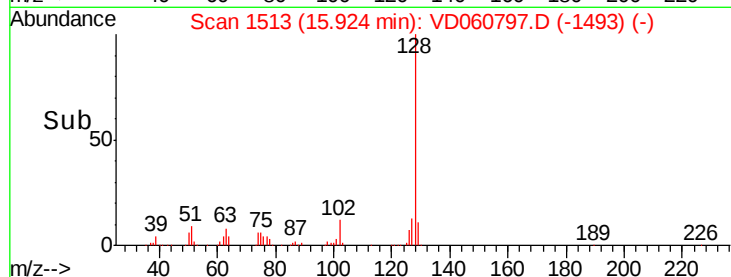
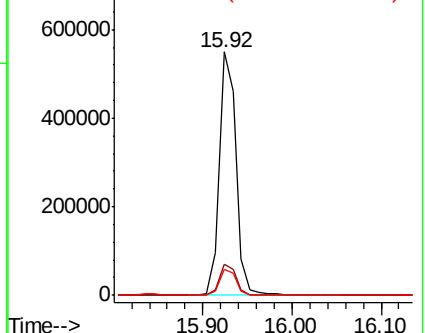
129 10.9 8.7 13.1



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: 47.231 ug/l

RT: 16.07 min Scan# 1528

Delta R.T. -0.00 min

Lab File: VD060797.D

Acq: 28 Jan 2019 18:04

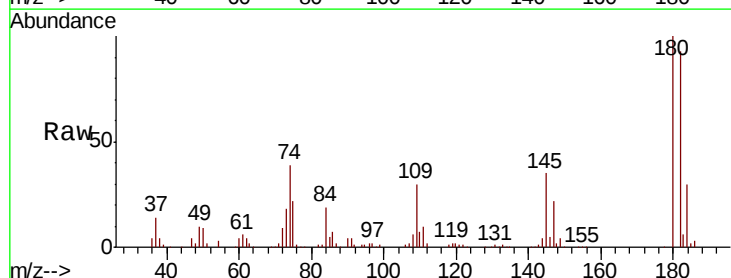
Tgt Ion:180 Resp: 380958

Ion Ratio Lower Upper

180 100

182 93.3 47.4 142.3

145 35.2 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

