

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD012819\
 Data File : VD060794.D
 Acq On : 28 Jan 2019 16:39
 Operator : JC/SY
 Sample : VSTDICCC050
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 29 12:59:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 29 12:47:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.79	168	581757	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.97	114	786921	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.16	117	638110	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.32	152	334223	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.22	65	420423	47.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.28%	
35) Dibromofluoromethane	6.67	113	386058	51.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.32%	
50) Toluene-d8	10.19	98	863869	49.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.04%	
62) 4-Bromofluorobenzene	13.36	95	431364	48.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.40%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.58	85	375147	53.038	ug/l	100
3) Chloromethane	1.76	50	206801	48.833	ug/l	100
4) Vinyl Chloride	1.84	62	240681	53.542	ug/l	100
5) Bromomethane	2.14	94	73125	48.445	ug/l	100
6) Chloroethane	2.24	64	92083	56.915	ug/l	100
7) Trichlorofluoromethane	2.49	101	483642	54.657	ug/l	100
8) Diethyl Ether	2.79	74	70232	53.864	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.06	101	232097	51.756	ug/l	100
10) Methyl Iodide	3.21	142	268194	57.123	ug/l	100
11) Tert butyl alcohol	3.93	59	113977	267.413	ug/l	100
12) 1,1-Dichloroethene	3.04	96	160830	52.483	ug/l	100
13) Acrolein	2.95	56	36519	211.045	ug/l	100
14) Allyl chloride	3.49	41	364226	51.073	ug/l	100
15) Acrylonitrile	4.04	53	255734	267.783	ug/l	100
16) Acetone	3.13	43	339463	264.534	ug/l	100
17) Carbon Disulfide	3.28	76	552400	50.889	ug/l	100
18) Methyl Acetate	3.51	43	140986	55.209	ug/l	100
19) Methyl tert-butyl Ether	4.07	73	781409	55.853	ug/l	100
20) Methylene Chloride	3.68	84	301906	45.978	ug/l	100
21) trans-1,2-Dichloroethene	4.06	96	283651	52.507	ug/l	100
22) Diisopropyl ether	4.88	45	961017	52.295	ug/l	100
23) Vinyl Acetate	4.83	43	2787673	263.416	ug/l	100
24) 1,1-Dichloroethane	4.76	63	625110	51.961	ug/l	100
25) 2-Butanone	5.84	43	451773	274.000	ug/l	100
26) 2,2-Dichloropropane	5.79	77	645669	50.936	ug/l	100
27) cis-1,2-Dichloroethene	5.80	96	307608	49.996	ug/l	100
28) Bromochloromethane	6.19	49	239056	50.938	ug/l	100
29) Tetrahydrofuran	6.23	42	220688	278.720	ug/l	100
30) Chloroform	6.42	83	743809	52.310	ug/l	100
31) Cyclohexane	6.71	56	439596	53.705	ug/l	100
32) 1,1,1-Trichloroethane	6.63	97	695428	50.787	ug/l	100
36) 1,1-Dichloropropene	6.90	75	504981	53.746	ug/l	100
37) Ethyl Acetate	5.94	43	216323	51.577	ug/l	100
38) Carbon Tetrachloride	6.87	117	646313	54.856	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.63	83	413948	52.609	ug/l	100
40) Benzene	7.22	78	970356	52.328	ug/l	100
41) Methacrylonitrile	6.22	41	292612	106.097	ug/l #	94
42) 1,2-Dichloroethane	7.33	62	610797	56.698	ug/l	100
43) Isopropyl Acetate	9.01	43	308281	56.355	ug/l	100
44) Trichloroethene	8.30	130	334971	53.285	ug/l	100
45) 1,2-Dichloropropane	8.70	63	266933	53.176	ug/l	100
46) Dibromomethane	8.83	93	215673	55.345	ug/l	100
47) Bromodichloromethane	9.14	83	557322	52.985	ug/l	100
48) Methyl methacrylate	8.89	41	204794	54.290	ug/l	100
49) 1,4-Dioxane	8.85	88	36634	1252.601	ug/l	100
51) 4-Methyl-2-Pentanone	10.08	43	980400	276.753	ug/l	100
52) Toluene	10.29	92	632625	53.782	ug/l	100
53) t-1,3-Dichloropropene	10.69	75	487947	52.738	ug/l	100
54) cis-1,3-Dichloropropene	9.80	75	510651	53.822	ug/l	100
55) 1,1,2-Trichloroethane	10.98	97	227641	56.762	ug/l	100
56) Ethyl methacrylate	10.82	69	269171	55.405	ug/l	100
57) 1,3-Dichloropropane	11.19	76	379516	55.371	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.63	63	561911	220.436	ug/l	100
59) 2-Hexanone	11.32	43	728914	273.656	ug/l	100
60) Dibromochloromethane	11.47	129	417180	57.862	ug/l	100
61) 1,2-Dibromoethane	11.60	107	264615	56.026	ug/l	100
64) Tetrachloroethene	11.03	164	317722	54.253	ug/l	100
65) Chlorobenzene	12.19	112	783753	53.747	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.30	131	336405	53.696	ug/l	100
67) Ethyl Benzene	12.31	91	1363810	52.011	ug/l	100
68) m/p-Xylenes	12.46	106	880948	103.264	ug/l	100
69) o-Xylene	12.85	106	427023	50.574	ug/l	100
70) Styrene	12.87	104	712372	50.312	ug/l	100
71) Bromoform	13.03	173	268510	56.885	ug/l	100
73) Isopropylbenzene	13.20	105	1390064	52.164	ug/l	100
74) N-amyl acetate	13.06	43	444683	54.281	ug/l	100
75) 1,1,2,2-Tetrachloroethane	13.50	83	261587	53.913	ug/l	100
76) 1,2,3-Trichloropropane	13.54	75	330277	53.889	ug/l	100
77) Bromobenzene	13.47	156	342442	49.991	ug/l	100
78) n-propylbenzene	13.57	91	1663329	49.722	ug/l	100
79) 2-Chlorotoluene	13.64	91	1002866	49.151	ug/l	100
80) 1,3,5-Trimethylbenzene	14.04	105	1109873	48.380	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.27	75	87487	54.753	ug/l	100
82) 4-Chlorotoluene	13.75	91	1193314	52.622	ug/l	100
83) tert-Butylbenzene	13.99	119	1182250	49.258	ug/l	100
84) 1,2,4-Trimethylbenzene	14.04	105	1109873	48.380	ug/l	100
85) sec-Butylbenzene	14.17	105	1369963	50.143	ug/l	100
86) p-Isopropyltoluene	14.29	119	1161523	52.364	ug/l	100
87) 1,3-Dichlorobenzene	14.25	146	614972	50.193	ug/l	100
88) 1,4-Dichlorobenzene	14.34	146	629993	52.921	ug/l	100
89) n-Butylbenzene	14.60	91	1195092	51.639	ug/l	100
90) Hexachloroethane	14.81	117	342083	51.824	ug/l	100
91) 1,2-Dichlorobenzene	14.61	146	517053	50.842	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	15.19	75	59821	51.895	ug/l	100

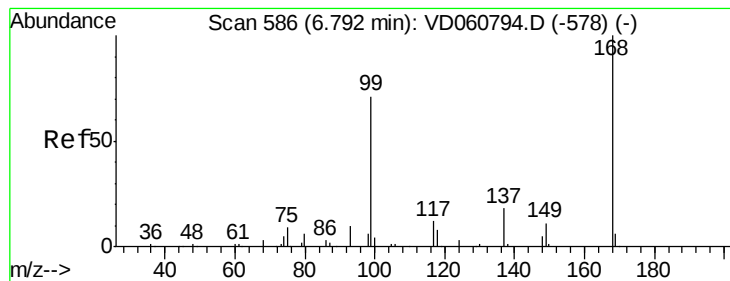
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.75	180	443751	50.393	ug/l	100
94) Hexachlorobutadiene	15.84	225	360653	54.586	ug/l	100
95) Naphthalene	15.93	128	722538	53.404	ug/l	100
96) 1,2,3-Trichlorobenzene	16.07	180	391698	51.155	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.79 min Scan# 586

Delta R.T. 0.00 min

Lab File: VD060794.D

Acq: 28 Jan 2019 16:39

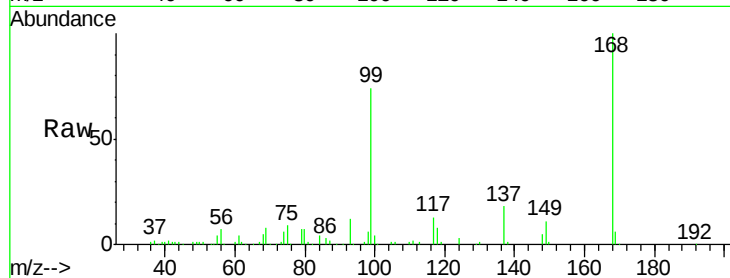
Instrument :
MSVOA_D
ClientSampled :

Tgt Ion:168 Resp: 581757

Ion Ratio Lower Upper

168 100

99 74.0 59.2 88.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.79

200000

150000

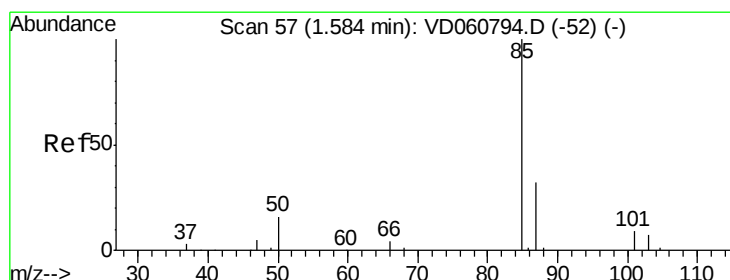
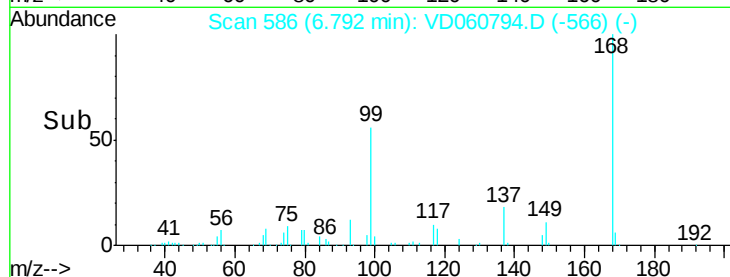
100000

50000

0

6.60 6.70 6.80 6.90 7.00

Time-->



#2

Dichlorodifluoromethane

Concen: 53.038 ug/l

RT: 1.58 min Scan# 57

Delta R.T. 0.00 min

Lab File: VD060794.D

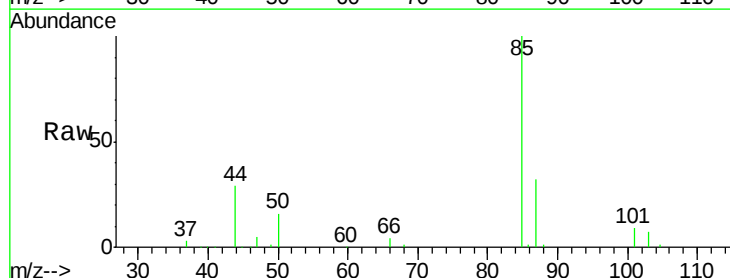
Acq: 28 Jan 2019 16:39

Tgt Ion: 85 Resp: 375147

Ion Ratio Lower Upper

85 100

87 32.3 16.2 48.5



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

120000

100000

80000

60000

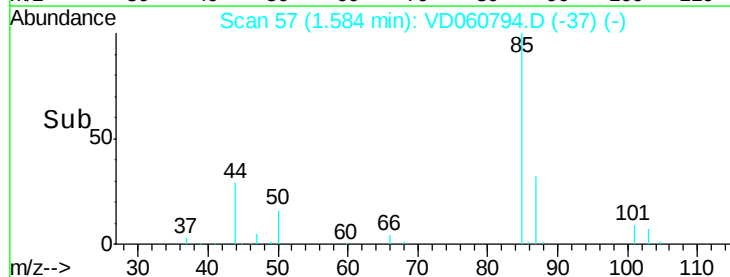
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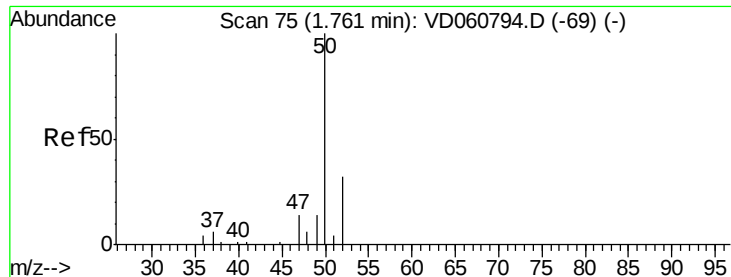
20000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 48.833 ug/l

RT: 1.76 min Scan# 75

Delta R.T. 0.00 min

Lab File: VD060794.D

Acq: 28 Jan 2019 16:39

Instrument :

MSVOA_D

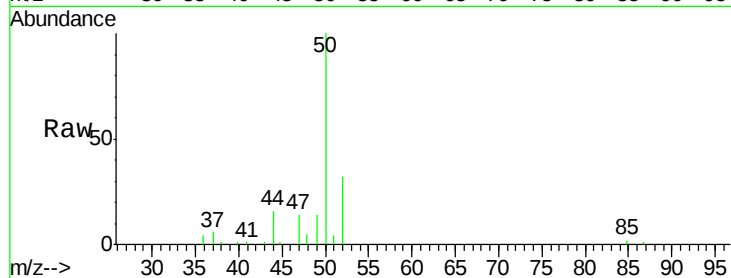
ClientSampleId :

Tgt Ion: 50 Resp: 206801

Ion Ratio Lower Upper

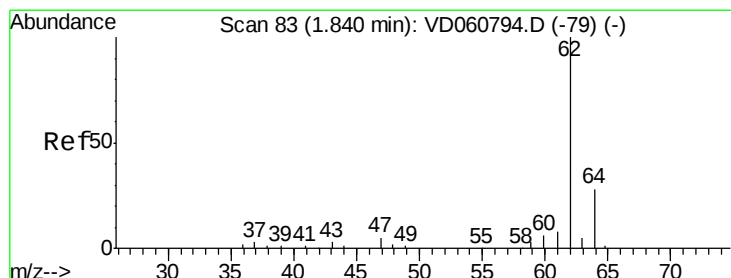
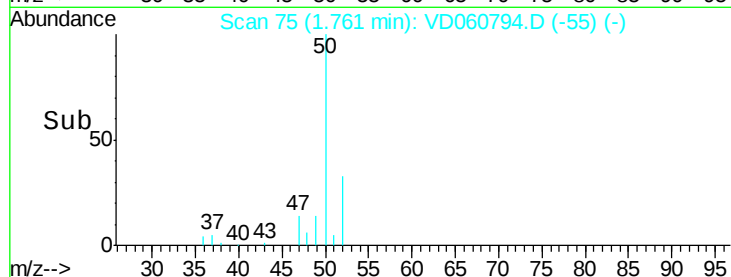
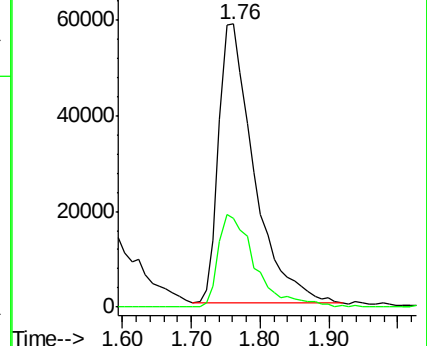
50 100

52 31.5 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 53.542 ug/l

RT: 1.84 min Scan# 83

Delta R.T. 0.00 min

Lab File: VD060794.D

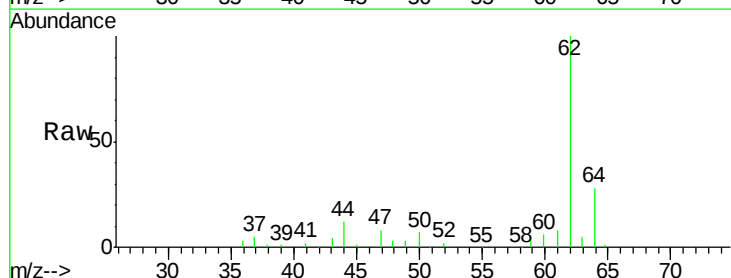
Acq: 28 Jan 2019 16:39

Tgt Ion: 62 Resp: 240681

Ion Ratio Lower Upper

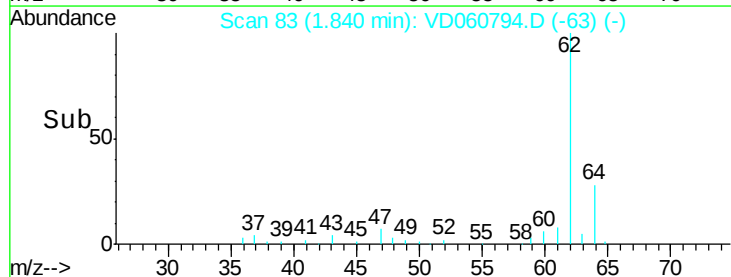
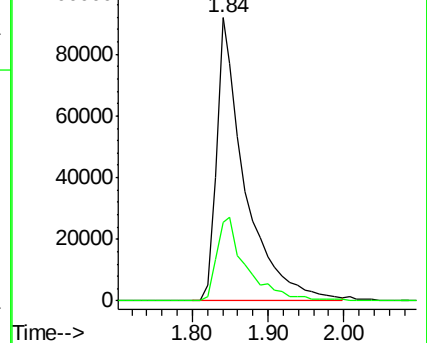
62 100

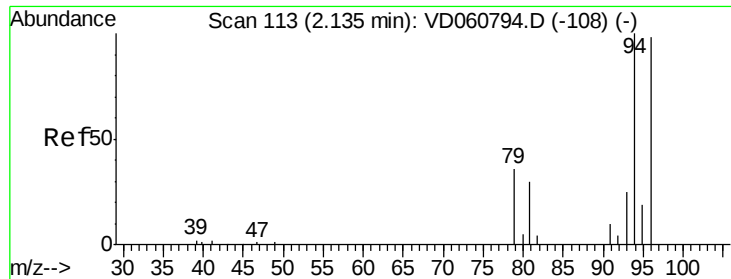
64 27.6 22.1 33.1



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

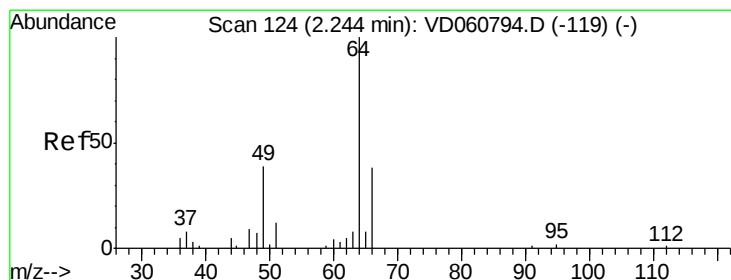
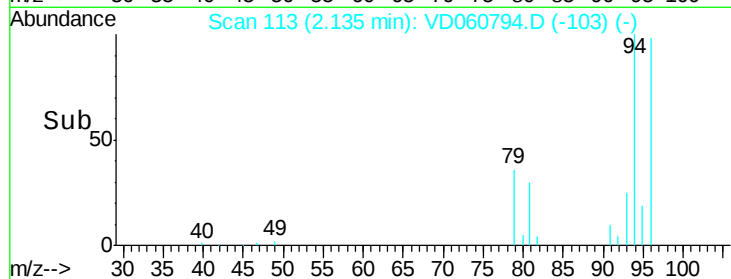
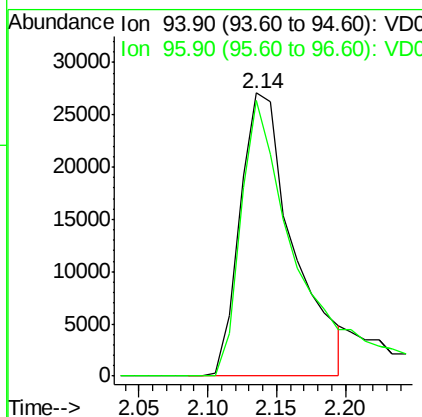
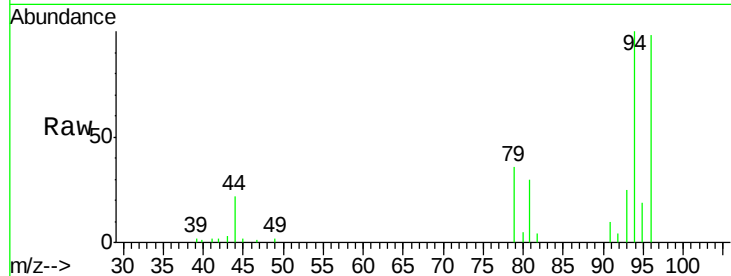




#5
Bromomethane
Concen: 48.445 ug/l
RT: 2.14 min Scan# 113
Delta R.T. 0.00 min
Lab File: VD060794.D
Acq: 28 Jan 2019 16:39

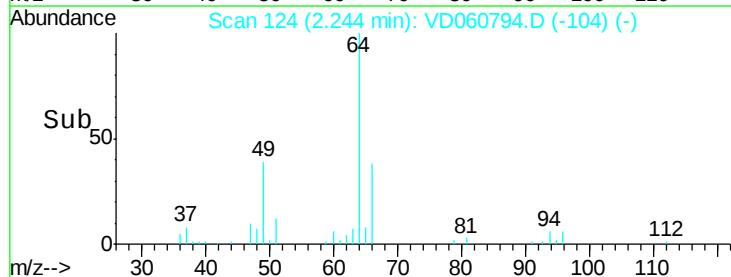
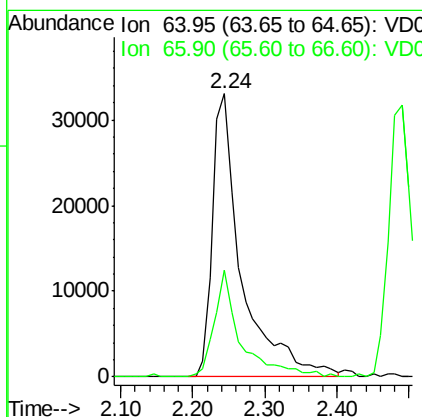
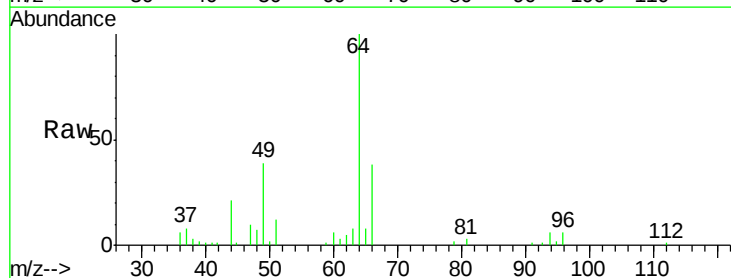
Instrument :
MSVOA_D
ClientSampled :

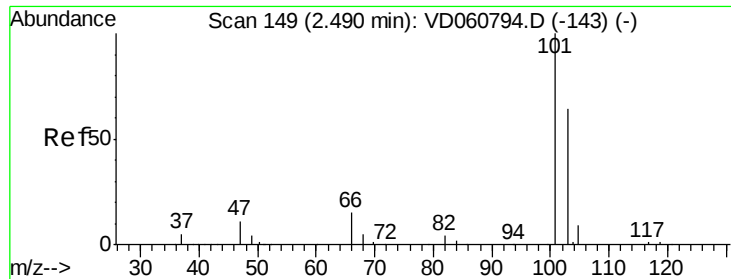
Tgt Ion: 94 Resp: 73125
Ion Ratio Lower Upper
94 100
96 97.5 78.0 117.0



#6
Chloroethane
Concen: 56.915 ug/l
RT: 2.24 min Scan# 124
Delta R.T. 0.00 min
Lab File: VD060794.D
Acq: 28 Jan 2019 16:39

Tgt Ion: 64 Resp: 92083
Ion Ratio Lower Upper
64 100
66 37.8 30.2 45.4



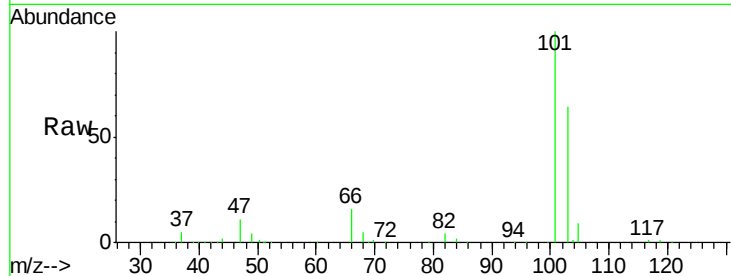


#7

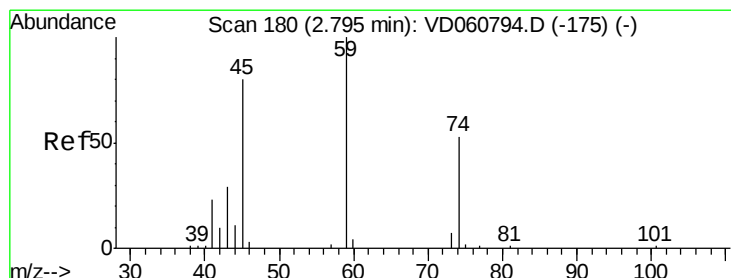
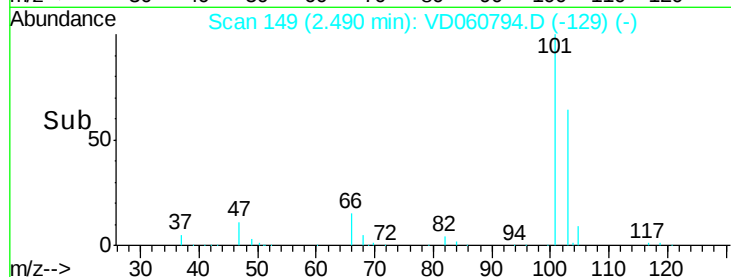
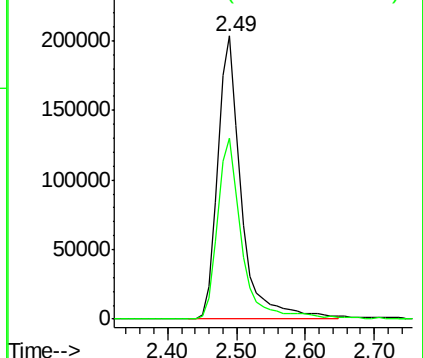
Trichlorofluoromethane
 Concen: 54.657 ug/l
 RT: 2.49 min Scan# 149
 Delta R.T. 0.00 min
 Lab File: VD060794.D
 Acq: 28 Jan 2019 16:39

Instrument :
 MSVOA_D
 ClientSampleId :

Tgt Ion:101 Resp: 483642
 Ion Ratio Lower Upper
 101 100
 103 64.1 51.3 76.9



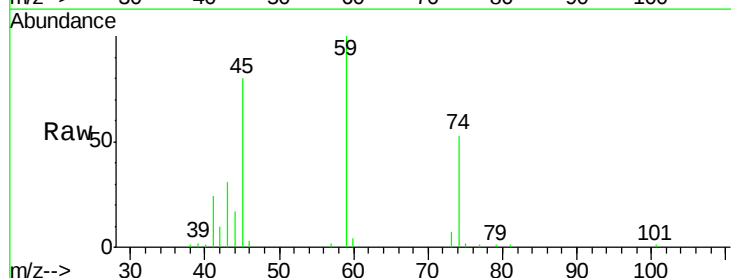
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



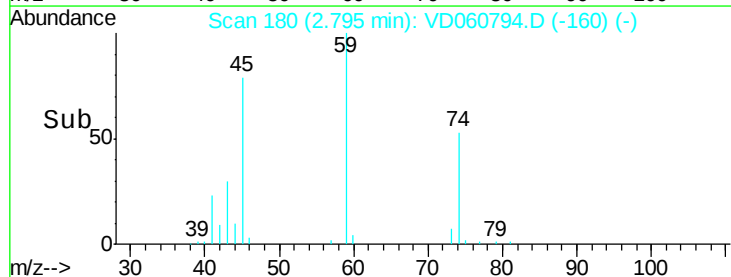
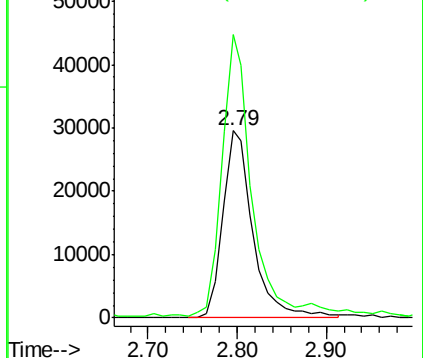
#8

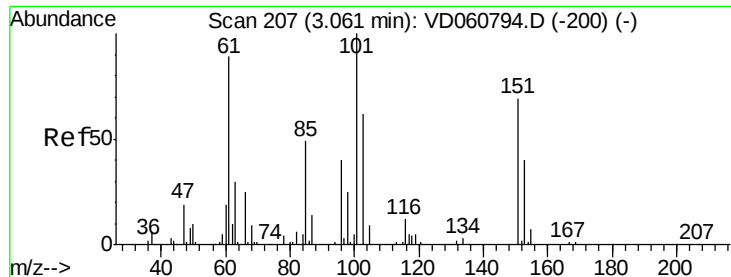
Diethyl Ether
 Concen: 53.864 ug/l
 RT: 2.79 min Scan# 180
 Delta R.T. 0.00 min
 Lab File: VD060794.D
 Acq: 28 Jan 2019 16:39

Tgt Ion: 74 Resp: 70232
 Ion Ratio Lower Upper
 74 100
 45 151.2 75.6 226.8



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.756 ug/l

RT: 3.06 min Scan# 207

Delta R.T. 0.00 min

Lab File: VD060794.D

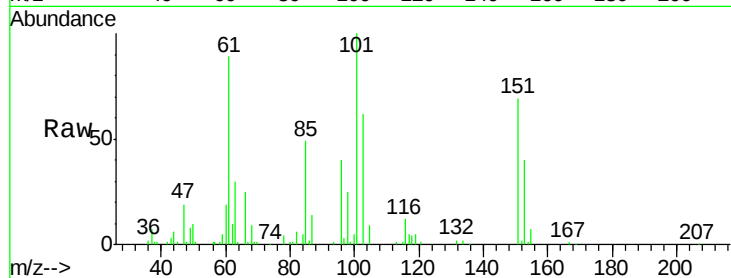
Acq: 28 Jan 2019 16:39

Instrument :

MSVOA_D

ClientSampleId :

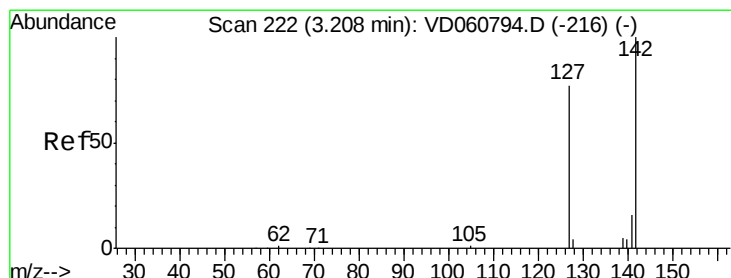
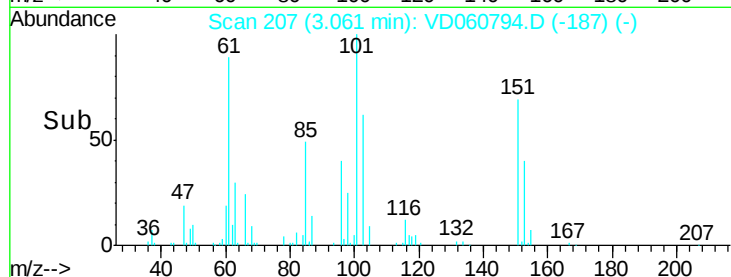
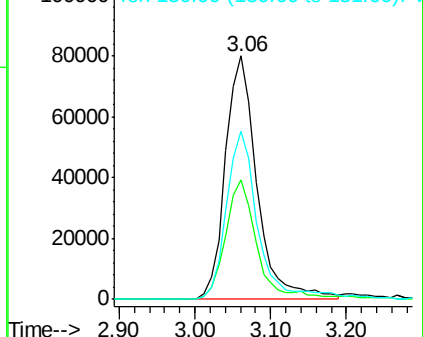
Tgt Ion:	101	Resp:	232097
Ion	Ratio	Lower	Upper
101	100		
85	49.1	39.3	58.9
151	68.9	55.1	82.7



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: 57.123 ug/l

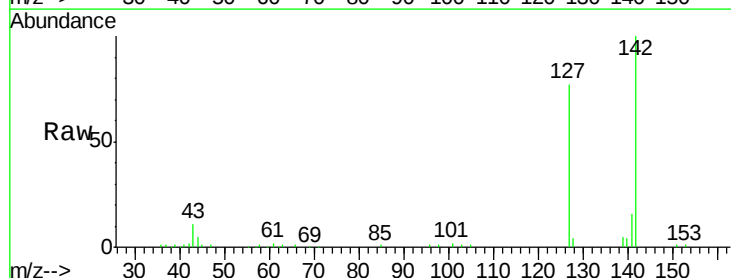
RT: 3.21 min Scan# 222

Delta R.T. 0.00 min

Lab File: VD060794.D

Acq: 28 Jan 2019 16:39

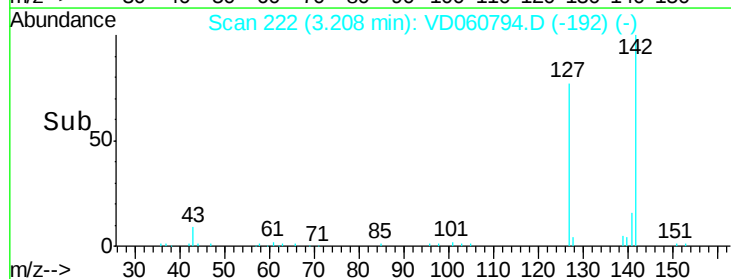
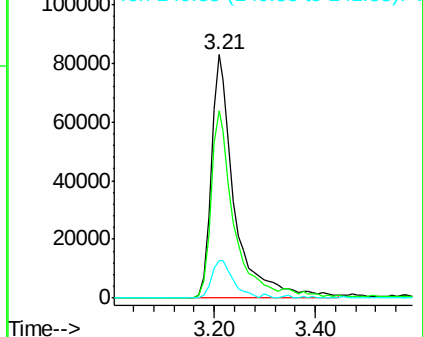
Tgt Ion:	142	Resp:	268194
Ion	Ratio	Lower	Upper
142	100		
127	77.0	61.6	92.4
141	15.6	12.5	18.7

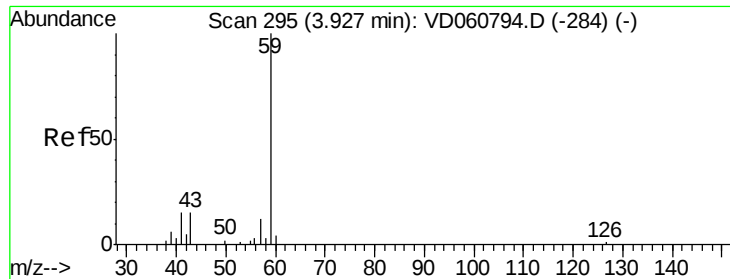


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

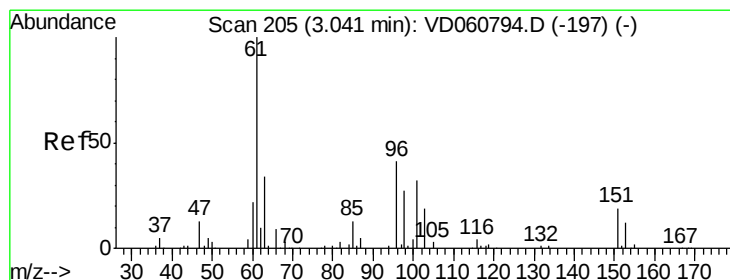
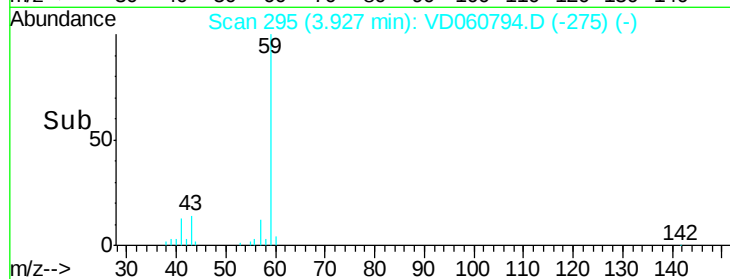
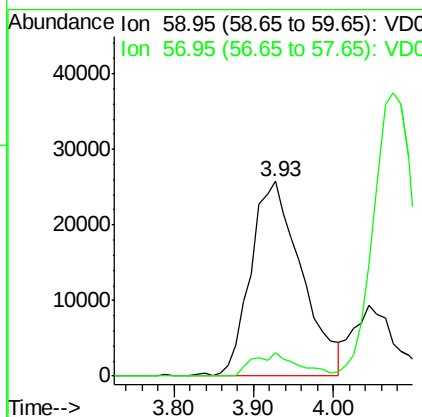
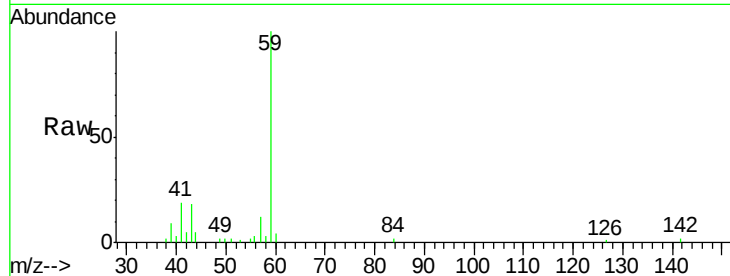




#11
Tert butyl alcohol
Concen: 267.413 ug/l
RT: 3.93 min Scan# 295
Delta R.T. 0.00 min
Lab File: VD060794.D
Acq: 28 Jan 2019 16:39

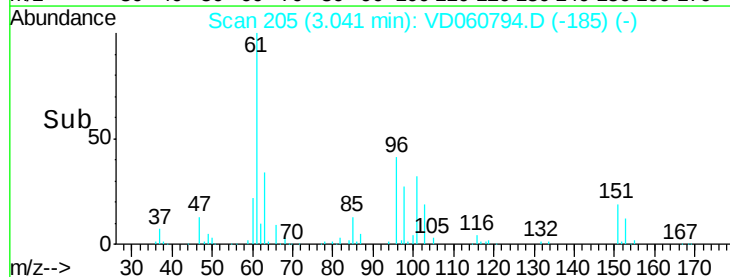
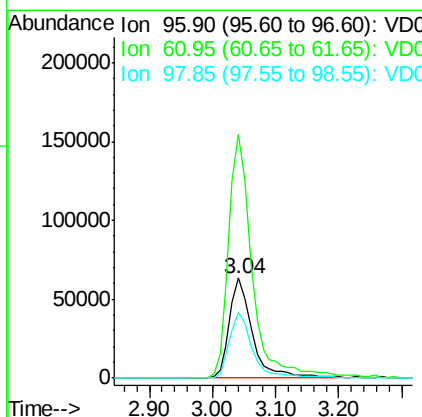
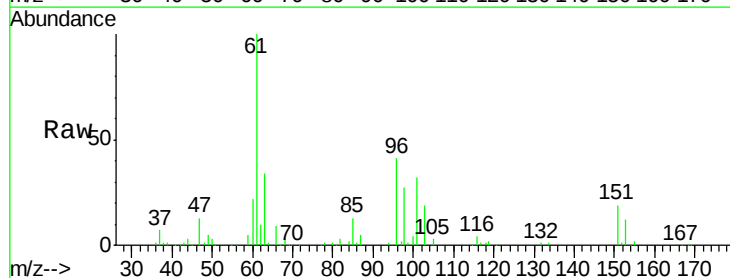
Instrument :
MSVOA_D
ClientSampleId :

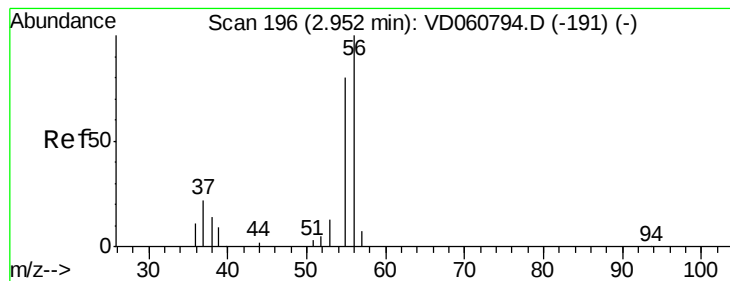
Tgt Ion: 59 Resp: 113977
Ion Ratio Lower Upper
59 100
57 12.2 9.8 14.6



#12
1,1-Dichloroethene
Concen: 52.483 ug/l
RT: 3.04 min Scan# 205
Delta R.T. 0.00 min
Lab File: VD060794.D
Acq: 28 Jan 2019 16:39

Tgt Ion: 96 Resp: 160830
Ion Ratio Lower Upper
96 100
61 243.9 195.1 292.7
98 65.6 52.5 78.7





#13

Acrolein

Concen: 211.045 ug/l

RT: 2.95 min Scan# 196

Delta R.T. 0.00 min

Lab File: VD060794.D

Acq: 28 Jan 2019 16:39

Instrument :

MSVOA_D

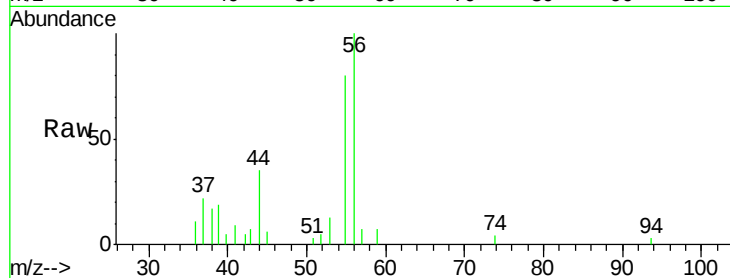
ClientSampleId :

Tgt Ion: 56 Resp: 36519

Ion Ratio Lower Upper

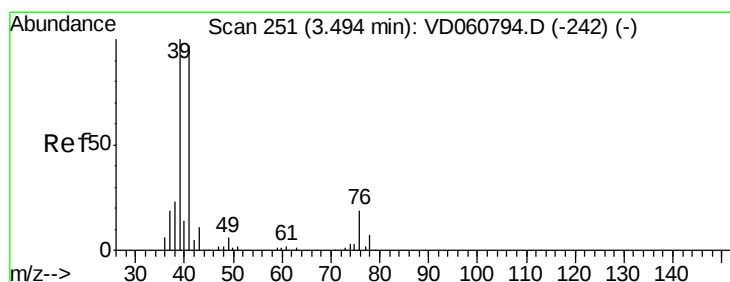
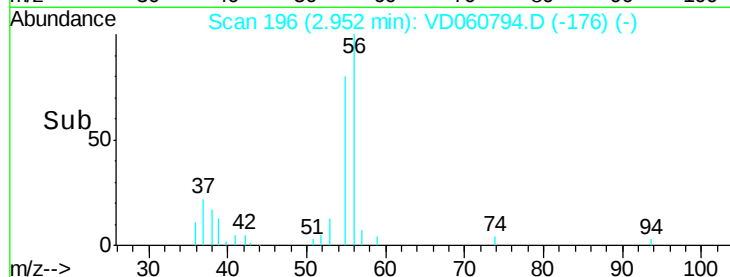
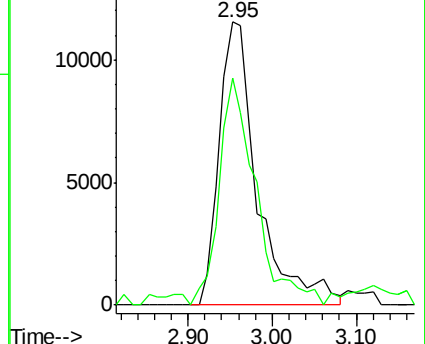
56 100

55 80.2 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: 51.073 ug/l

RT: 3.49 min Scan# 251

Delta R.T. 0.00 min

Lab File: VD060794.D

Acq: 28 Jan 2019 16:39

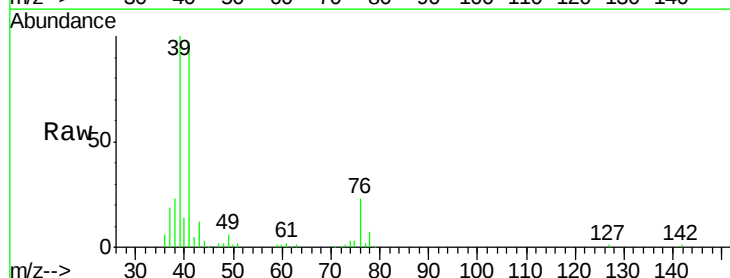
Tgt Ion: 41 Resp: 364226

Ion Ratio Lower Upper

41 100

39 103.2 82.6 123.8

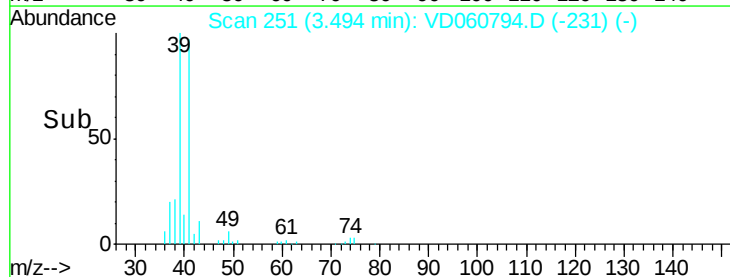
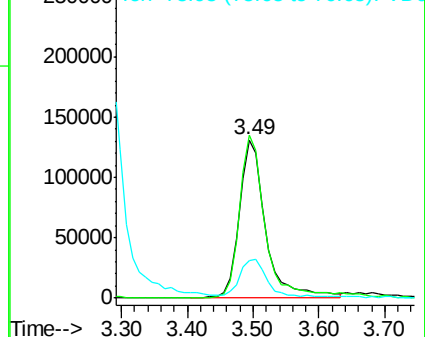
76 23.6 18.9 28.3

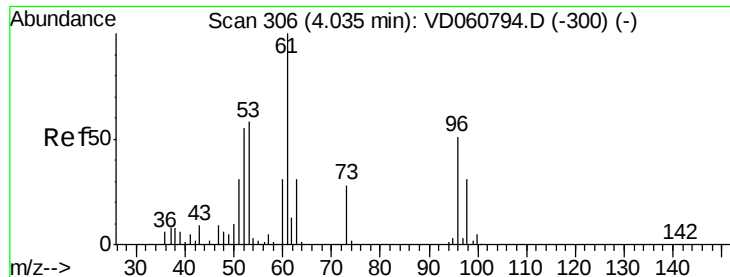


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 267.783 ug/l

RT: 4.04 min Scan# 306

Delta R.T. 0.00 min

Lab File: VD060794.D

Acq: 28 Jan 2019 16:39

Instrument :
MSVOA_D
ClientSampled :

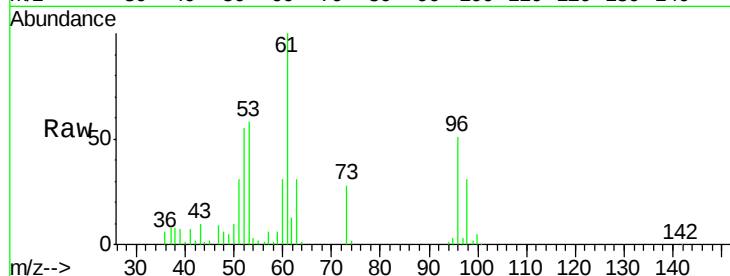
Tgt Ion: 53 Resp: 255734

Ion Ratio Lower Upper

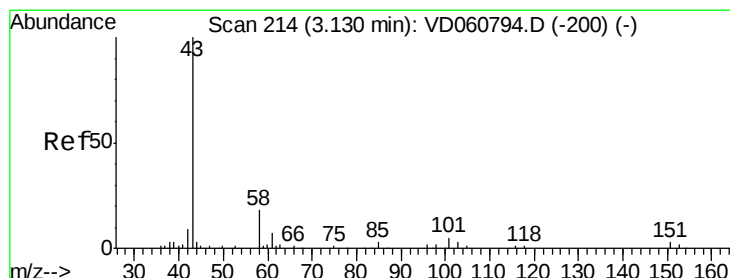
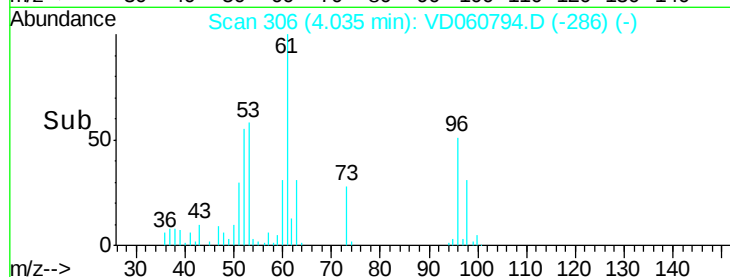
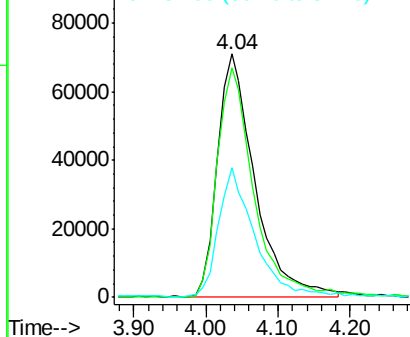
53 100

52 94.3 75.4 113.2

51 53.1 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: 264.534 ug/l

RT: 3.13 min Scan# 214

Delta R.T. 0.00 min

Lab File: VD060794.D

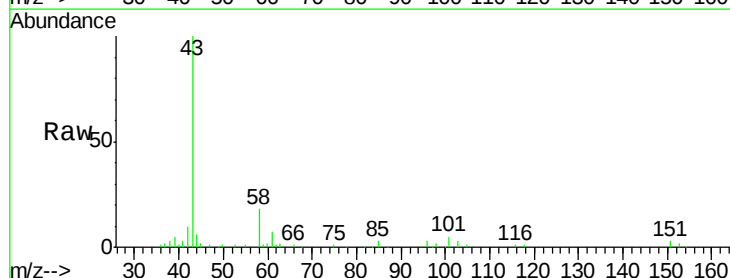
Acq: 28 Jan 2019 16:39

Tgt Ion: 43 Resp: 339463

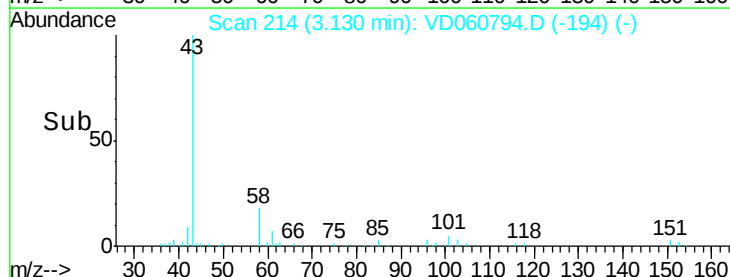
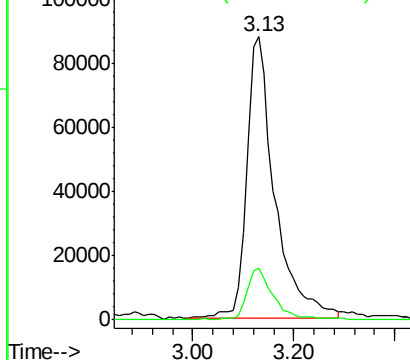
Ion Ratio Lower Upper

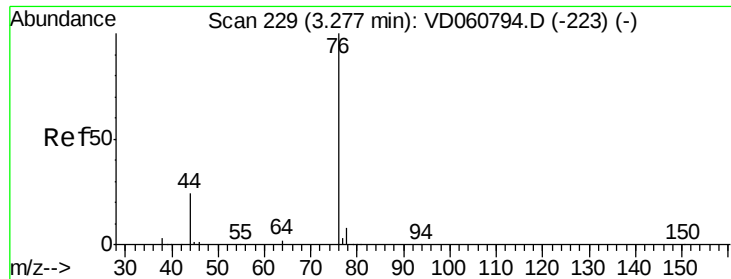
43 100

58 18.1 14.5 21.7



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

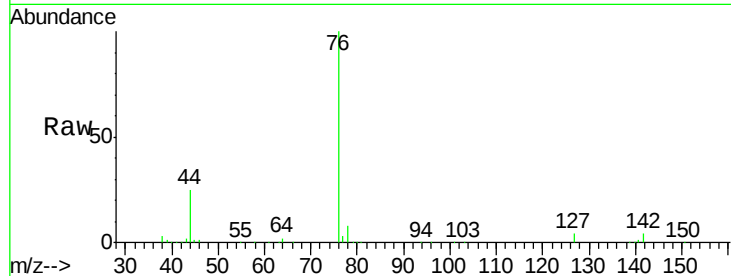




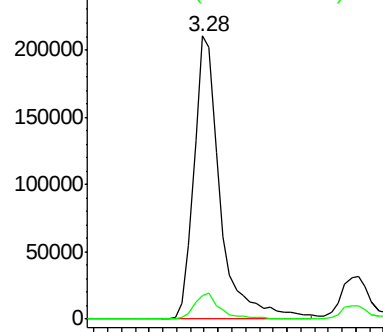
#17
Carbon Disulfide
Concen: 50.889 ug/l
RT: 3.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VD060794.D
Acq: 28 Jan 2019 16:39

Instrument :
MSVOA_D
ClientSampleId :

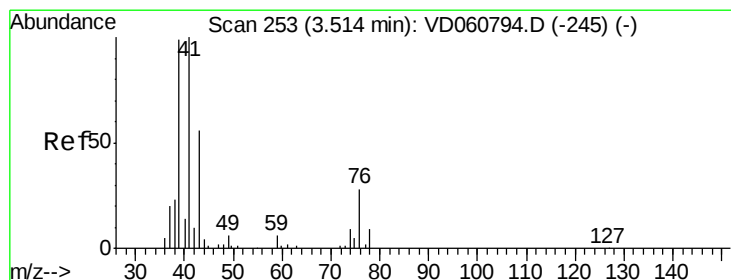
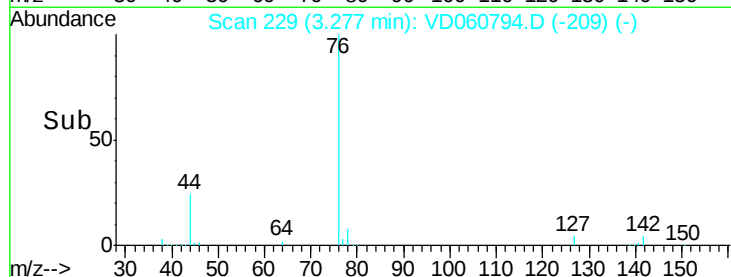
Tgt Ion: 76 Resp: 552400
Ion Ratio Lower Upper
76 100
78 8.1 6.5 9.7



Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

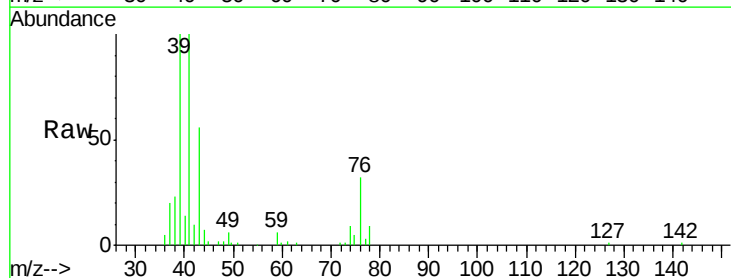


Time-->

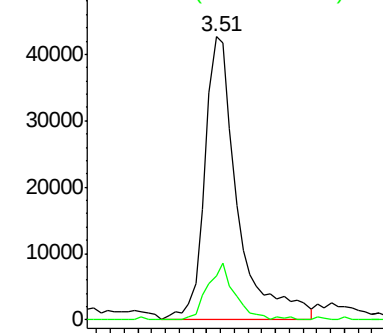


#18
Methyl Acetate
Concen: 55.209 ug/l
RT: 3.51 min Scan# 253
Delta R.T. 0.00 min
Lab File: VD060794.D
Acq: 28 Jan 2019 16:39

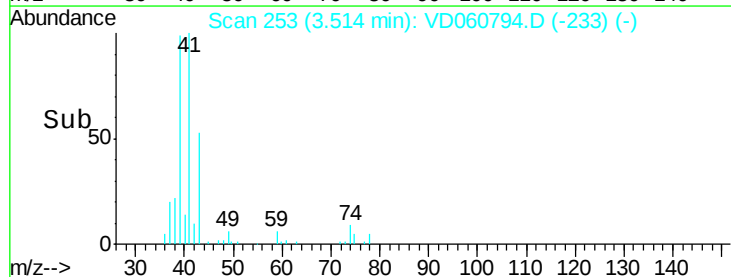
Tgt Ion: 43 Resp: 140986
Ion Ratio Lower Upper
43 100
74 15.6 12.5 18.7

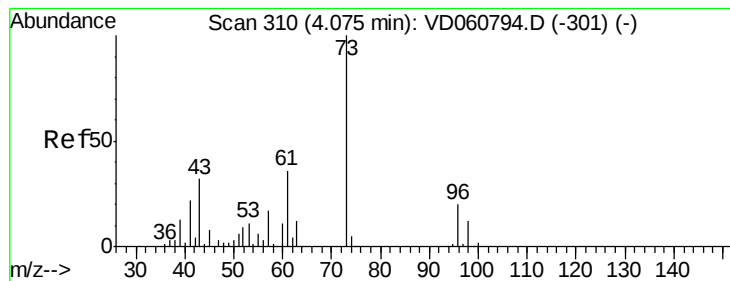


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC



Time-->





#19

Methyl tert-butyl Ether

Concen: 55.853 ug/l

RT: 4.07 min Scan# 310

Delta R.T. 0.00 min

Lab File: VD060794.D

Acq: 28 Jan 2019 16:39

Instrument :

MSVOA_D

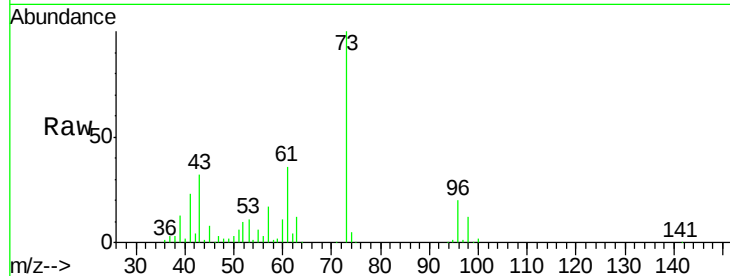
ClientSampleId :

Tgt Ion: 73 Resp: 781409

Ion Ratio Lower Upper

73 100

57 17.5 14.0 21.0



Abundance Ion 73.00 (72.70 to 73.70): VDC

Ion 57.05 (56.75 to 57.75): VDC

250000

200000

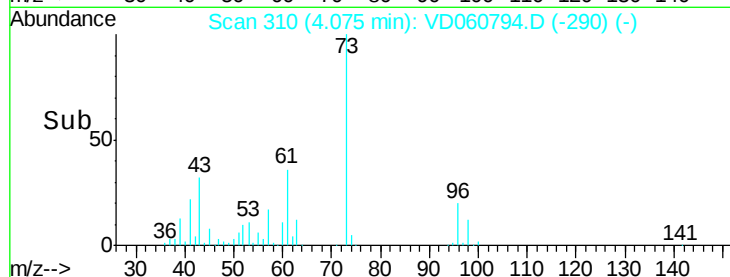
150000

100000

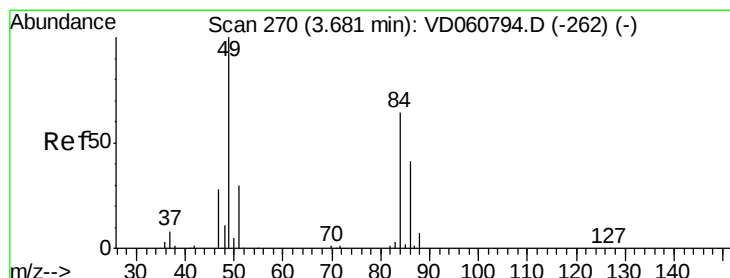
50000

0

Time-->



Time-->



#20

Methylene Chloride

Concen: 45.978 ug/l

RT: 3.68 min Scan# 270

Delta R.T. 0.00 min

Lab File: VD060794.D

Acq: 28 Jan 2019 16:39

Tgt Ion: 84 Resp: 301906

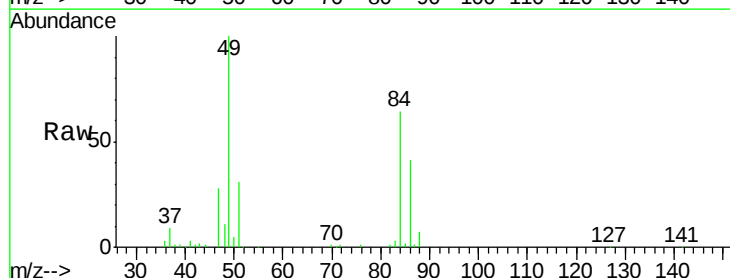
Ion Ratio Lower Upper

84 100

49 155.2 124.2 186.2

51 47.6 38.1 57.1

86 63.3 50.6 76.0



Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

200000

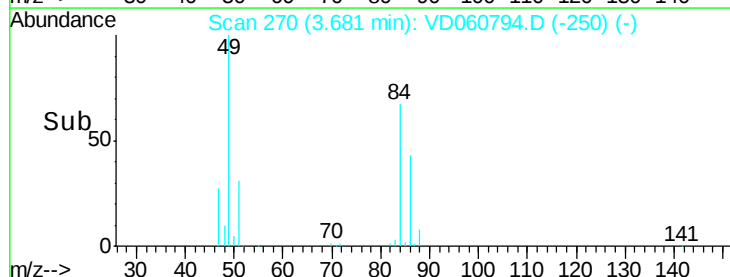
150000

100000

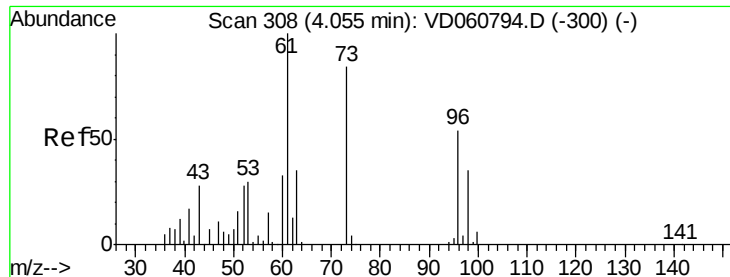
50000

0

Time-->



Time-->



#21

trans-1,2-Dichloroethene

Concen: 52.507 ug/l

RT: 4.06 min Scan# 308

Delta R.T. 0.00 min

Lab File: VD060794.D

Acq: 28 Jan 2019 16:39

Instrument :

MSVOA_D

ClientSampled :

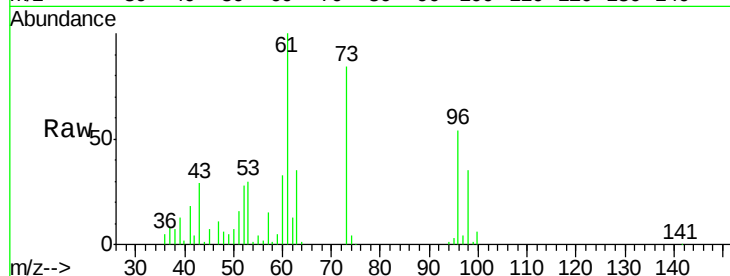
Tgt Ion: 96 Resp: 283651

Ion Ratio Lower Upper

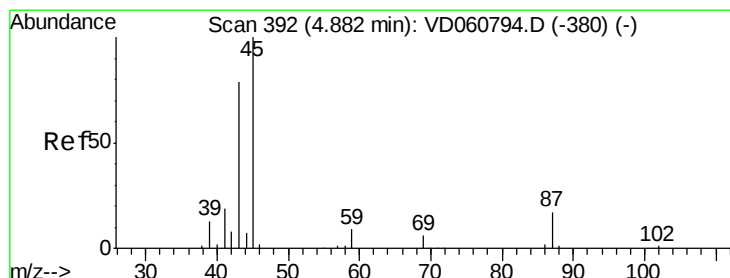
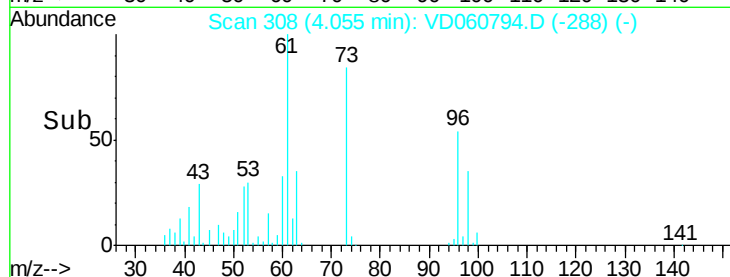
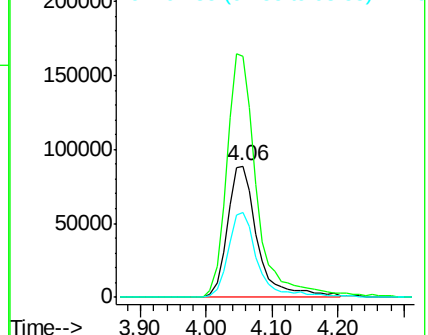
96 100

61 184.3 147.4 221.2

98 64.4 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: 52.295 ug/l

RT: 4.88 min Scan# 392

Delta R.T. 0.00 min

Lab File: VD060794.D

Acq: 28 Jan 2019 16:39

Tgt Ion: 45 Resp: 961017

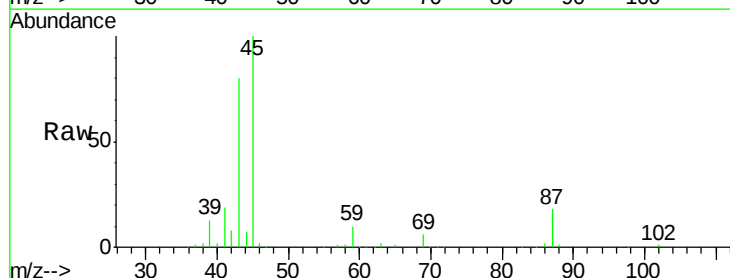
Ion Ratio Lower Upper

45 100

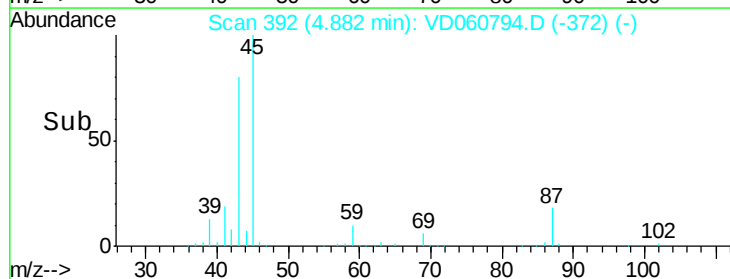
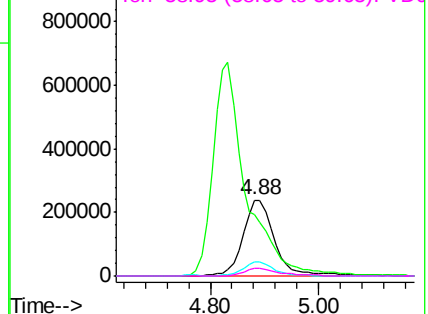
43 80.4 64.3 96.5

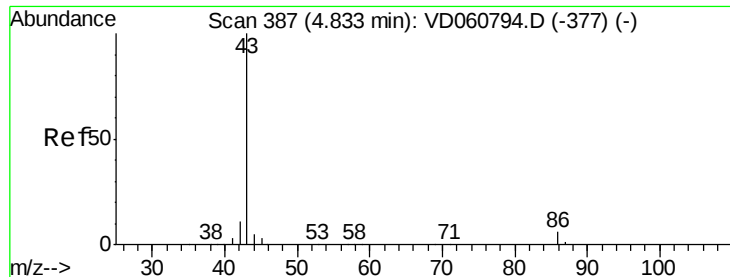
87 17.9 14.3 21.5

59 9.8 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: 263.416 ug/l

RT: 4.83 min Scan# 387

Delta R.T. 0.00 min

Lab File: VD060794.D

Acq: 28 Jan 2019 16:39

Instrument :

MSVOA_D

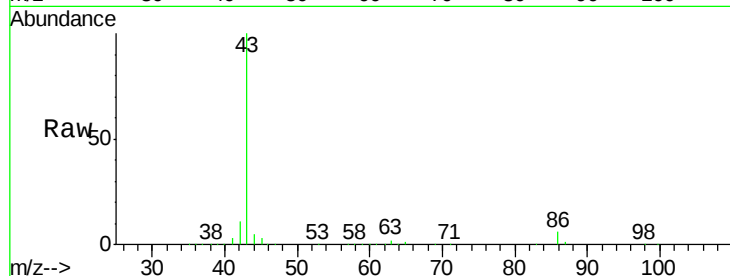
ClientSampleId :

Tgt Ion: 43 Resp: 2787673

Ion Ratio Lower Upper

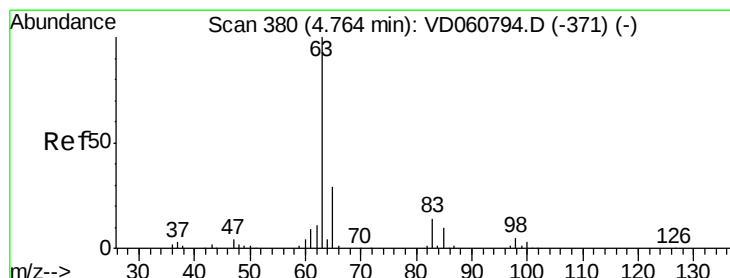
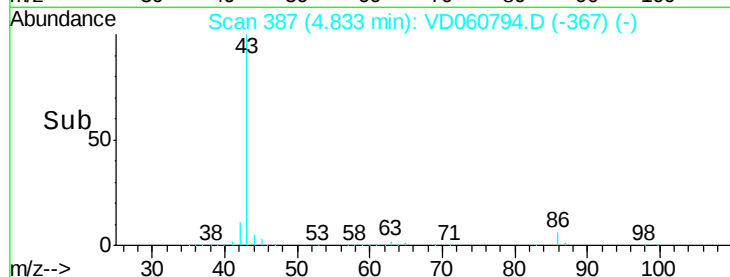
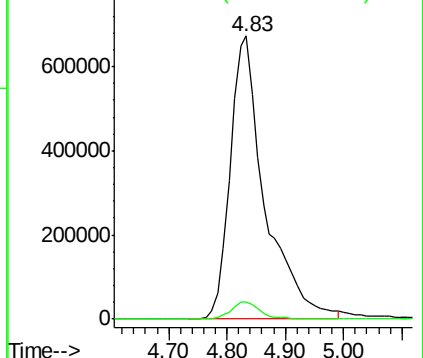
43 100

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: 51.961 ug/l

RT: 4.76 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD060794.D

Acq: 28 Jan 2019 16:39

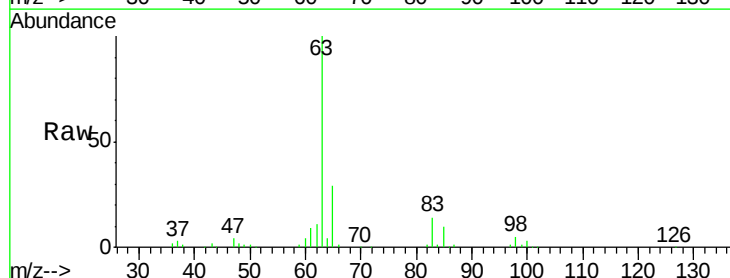
Tgt Ion: 63 Resp: 625110

Ion Ratio Lower Upper

63 100

98 4.6 2.3 6.9

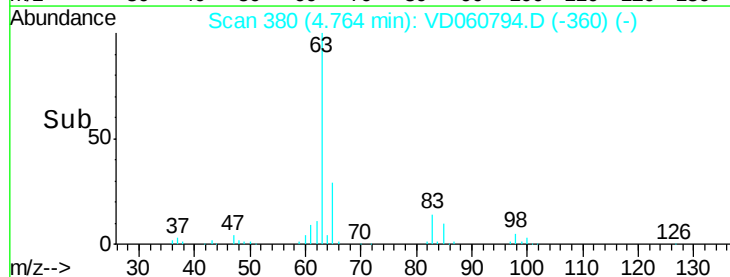
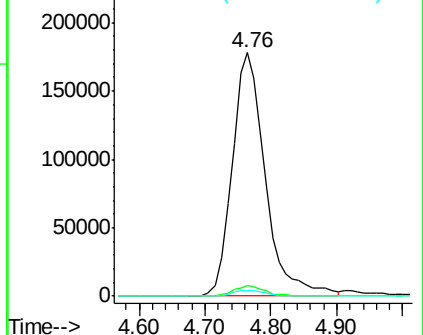
100 2.5 1.3 3.8

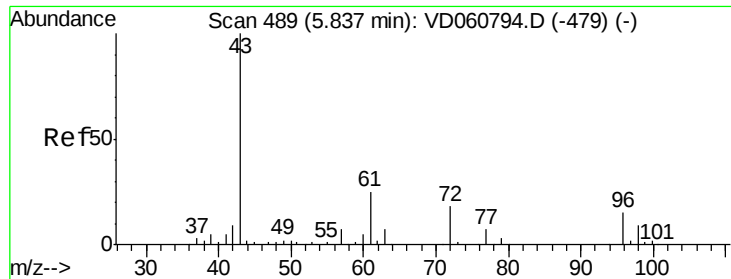


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 274.000 ug/l

RT: 5.84 min Scan# 489

Delta R.T. 0.00 min

Lab File: VD060794.D

Acq: 28 Jan 2019 16:39

Instrument :

MSVOA_D

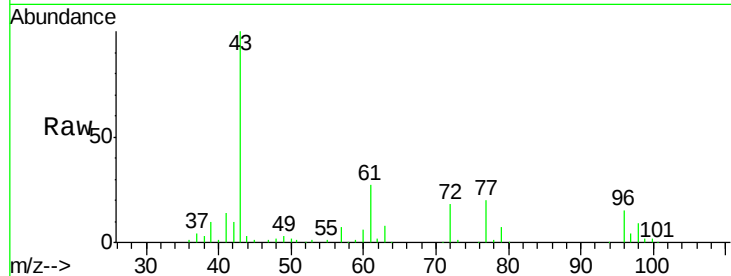
ClientSampleId :

Tgt Ion: 43 Resp: 451773

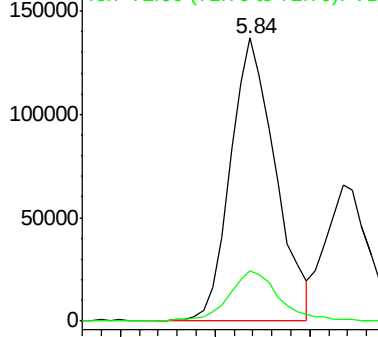
Ion Ratio Lower Upper

43 100

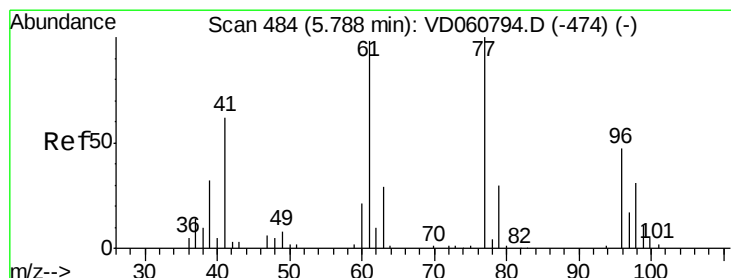
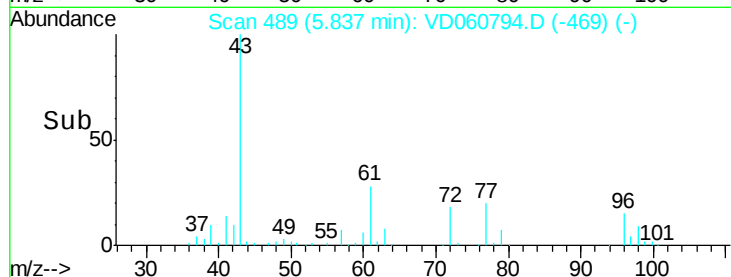
72 18.0 14.4 21.6



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



Time-->



#26

2,2-Dichloropropane

Concen: 50.936 ug/l

RT: 5.79 min Scan# 484

Delta R.T. 0.00 min

Lab File: VD060794.D

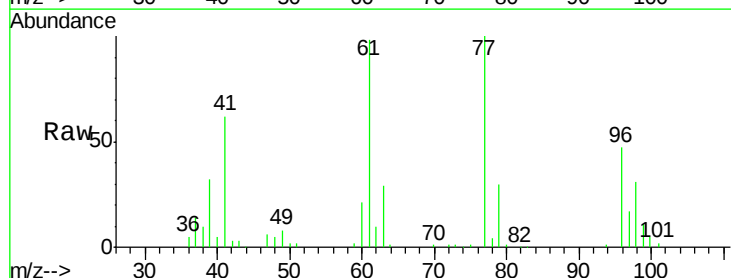
Acq: 28 Jan 2019 16:39

Tgt Ion: 77 Resp: 645669

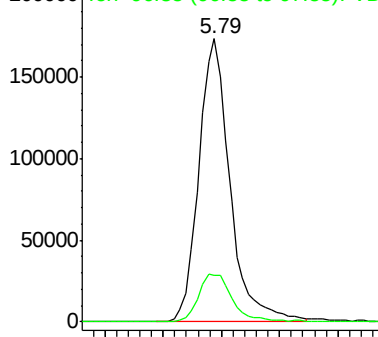
Ion Ratio Lower Upper

77 100

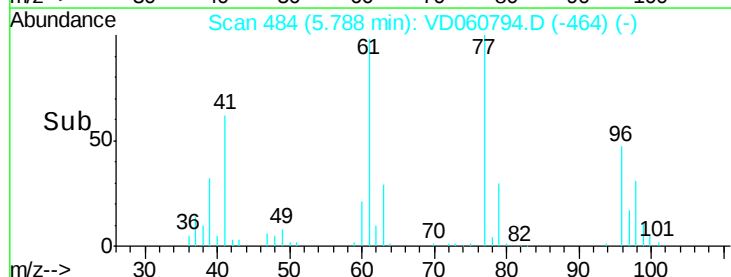
97 16.6 8.3 24.9

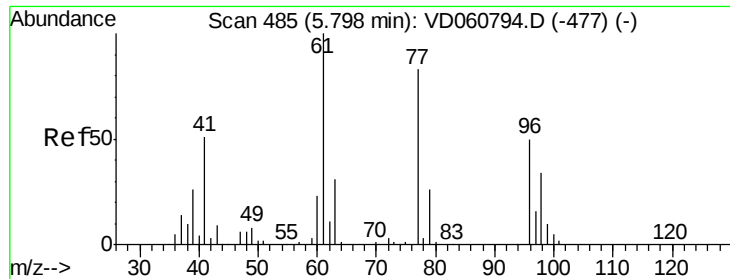


Abundance Ion 76.95 (76.65 to 77.65): VDC
Ion 96.85 (96.55 to 97.55): VDC



Time-->

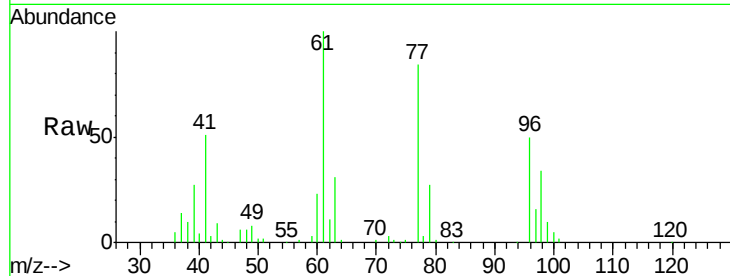




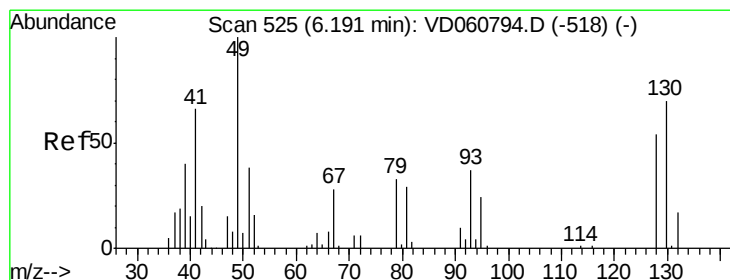
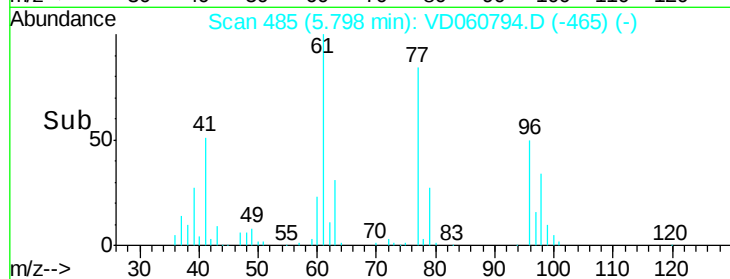
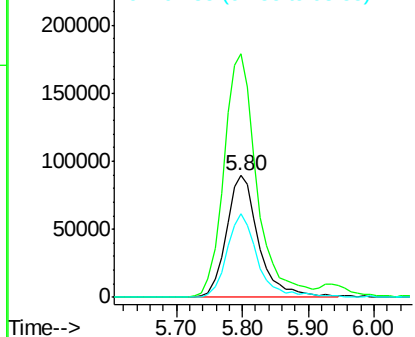
#27
 cis-1,2-Dichloroethene
 Concen: 49.996 ug/l
 RT: 5.80 min Scan# 485
 Delta R.T. 0.00 min
 Lab File: VD060794.D
 Acq: 28 Jan 2019 16:39

Instrument :
 MSVOA_D
 ClientSampleID :

Tgt Ion: 96 Resp: 307608
 Ion Ratio Lower Upper
 96 100
 61 200.0 0.0 400.0
 98 68.2 0.0 136.4

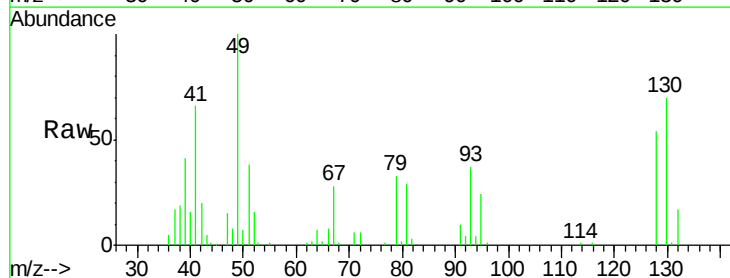


Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC

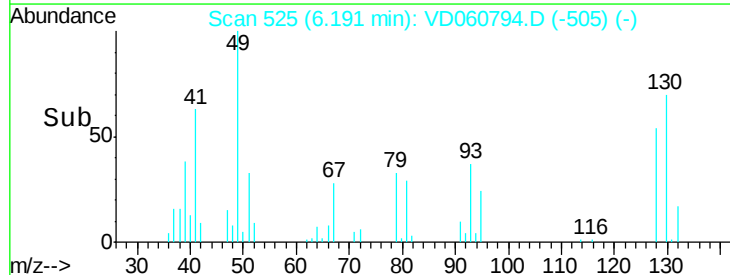
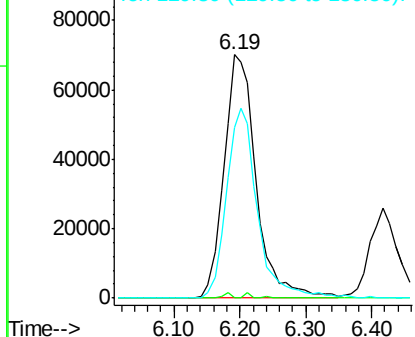


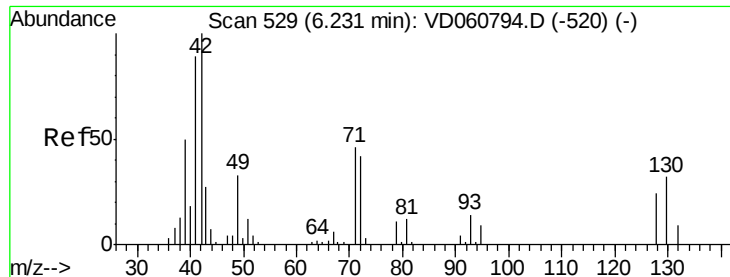
#28
 Bromochloromethane
 Concen: 50.938 ug/l
 RT: 6.19 min Scan# 525
 Delta R.T. 0.00 min
 Lab File: VD060794.D
 Acq: 28 Jan 2019 16:39

Tgt Ion: 49 Resp: 239056
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 0.0
 130 70.1 56.1 84.1



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

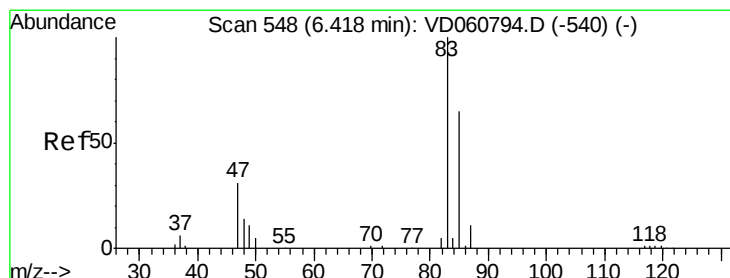
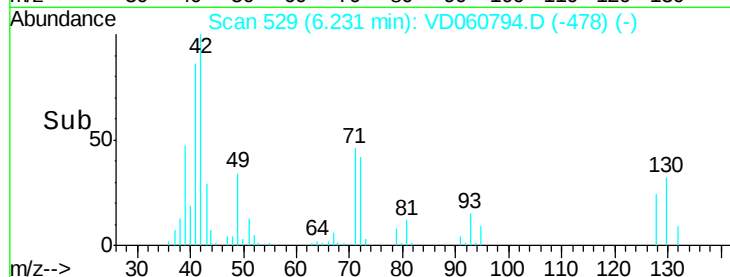
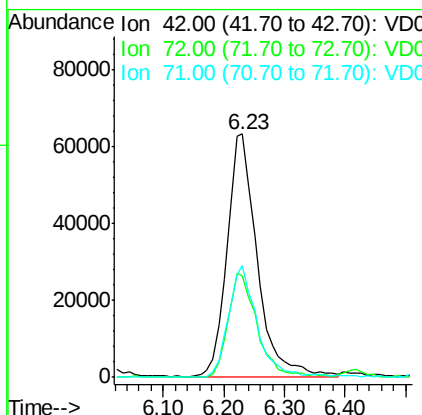
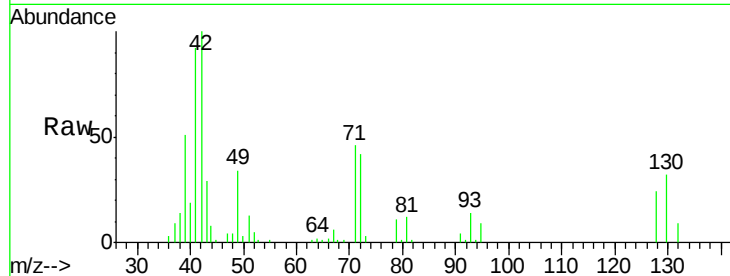




#29
Tetrahydrofuran
Concen: 278.720 ug/l
RT: 6.23 min Scan# 529
Delta R.T. 0.00 min
Lab File: VD060794.D
Acq: 28 Jan 2019 16:39

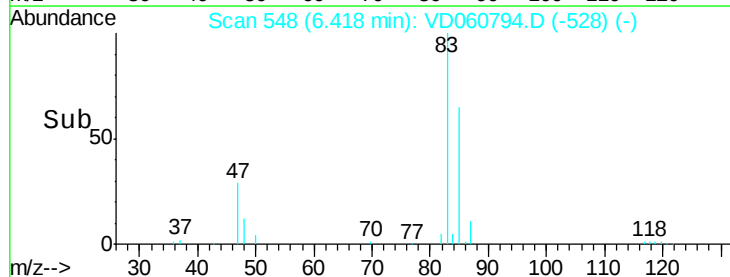
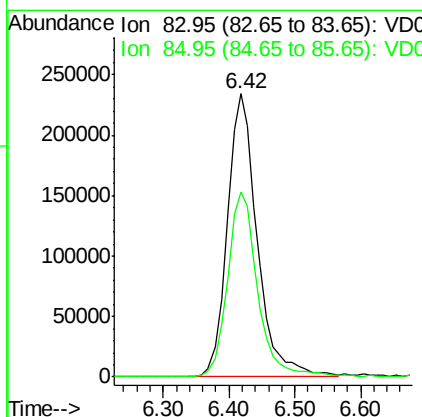
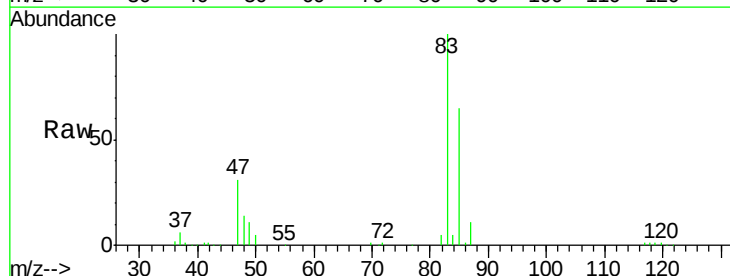
Instrument :
MSVOA_D
ClientSampleId :

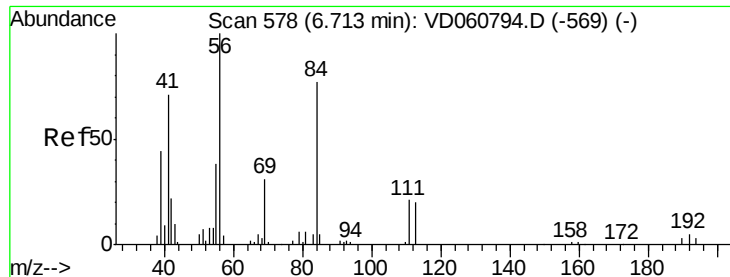
Tgt Ion: 42 Resp: 220688
Ion Ratio Lower Upper
42 100
72 41.0 32.8 49.2
71 43.3 34.6 52.0



#30
Chloroform
Concen: 52.310 ug/l
RT: 6.42 min Scan# 548
Delta R.T. 0.00 min
Lab File: VD060794.D
Acq: 28 Jan 2019 16:39

Tgt Ion: 83 Resp: 743809
Ion Ratio Lower Upper
83 100
85 65.4 52.3 78.5

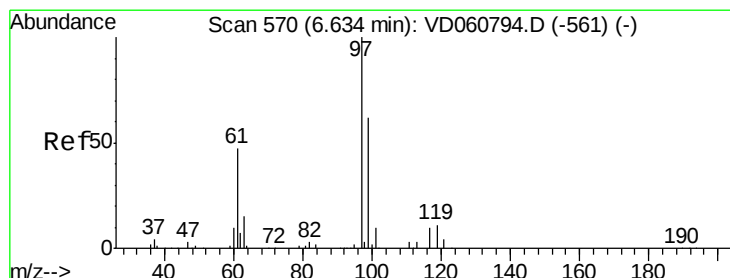
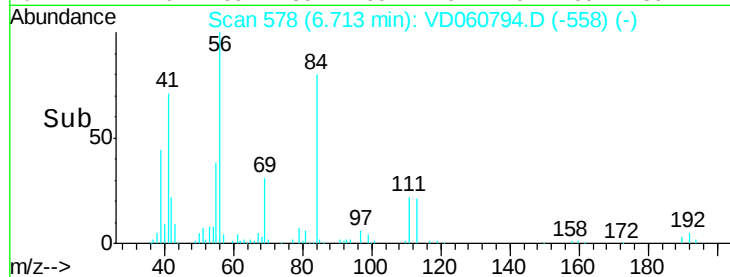
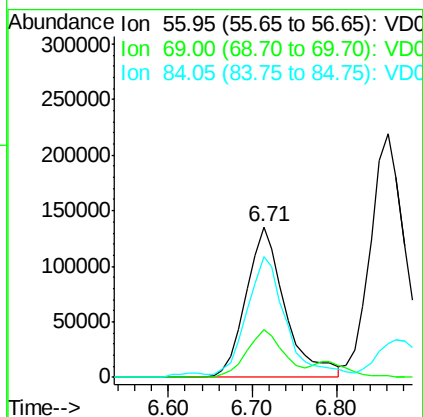
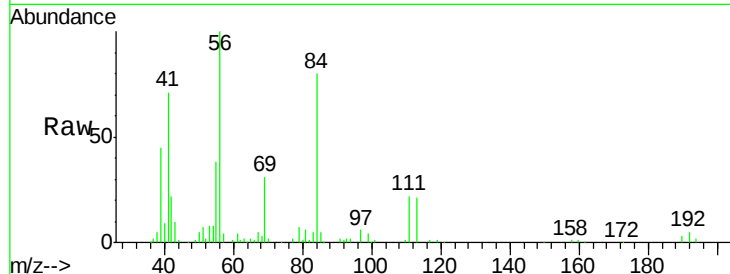




#31
Cyclohexane
Concen: 53.705 ug/l
RT: 6.71 min Scan# 578
Delta R.T. 0.00 min
Lab File: VD060794.D
Acq: 28 Jan 2019 16:39

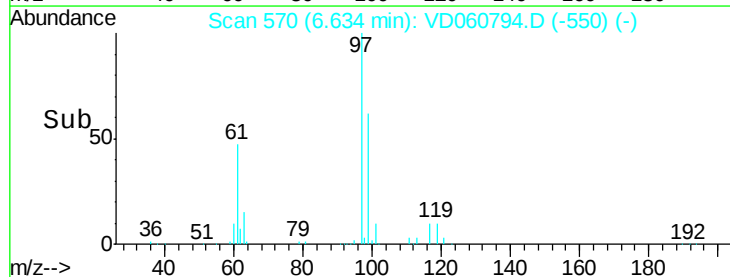
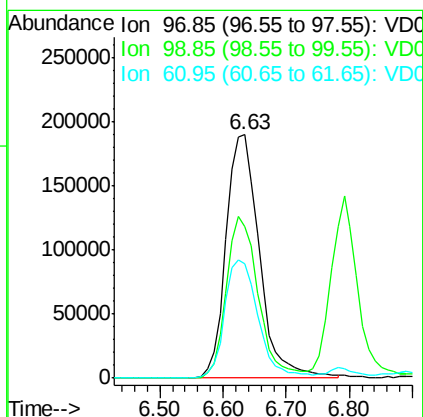
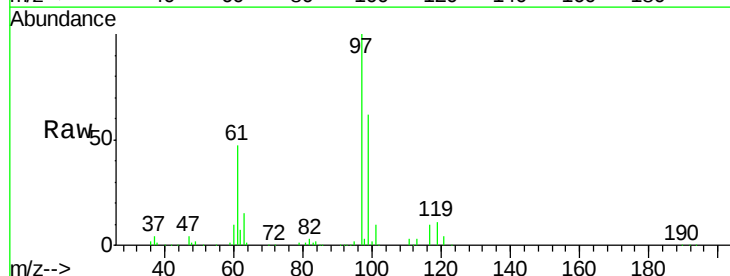
Instrument :
MSVOA_D
ClientSampled :

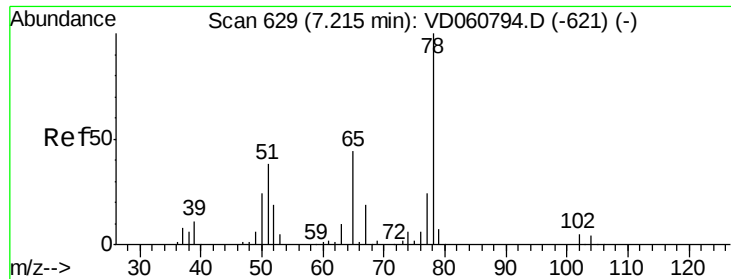
Tgt Ion	Ratio	Lower	Upper
56	100		
69	31.4	25.1	37.7
84	79.9	63.9	95.9



#32
1,1,1-Trichloroethane
Concen: 50.787 ug/l
RT: 6.63 min Scan# 570
Delta R.T. 0.00 min
Lab File: VD060794.D
Acq: 28 Jan 2019 16:39

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.0	49.6	74.4
61	46.8	37.4	56.2





#33

1,2-Dichloroethane-d4

Concen: 50.787 ug/l

RT: 7.22 min Scan# 629

Delta R.T. 0.00 min

Lab File: VD060794.D

Acq: 28 Jan 2019 16:39

Instrument :

MSVOA_D

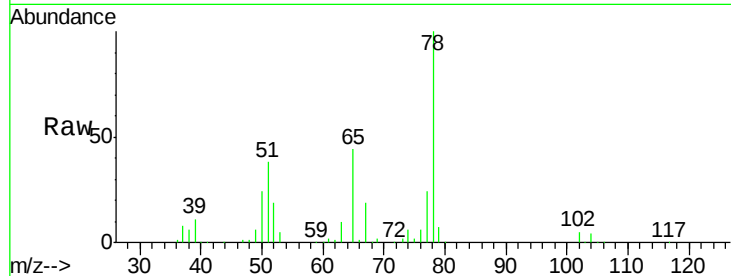
ClientSampleId :

Tgt Ion: 65 Resp: 420423

Ion Ratio Lower Upper

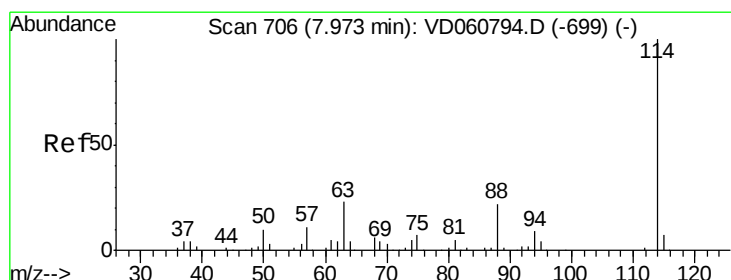
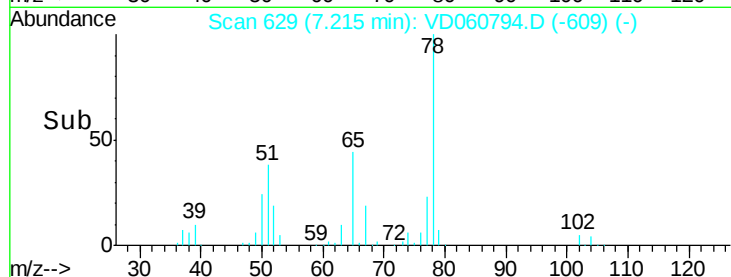
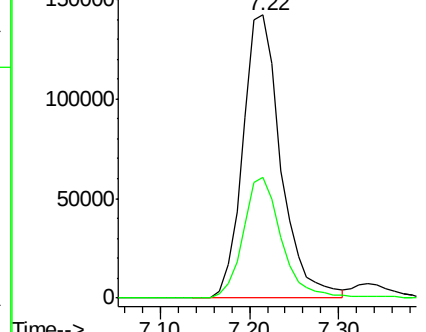
65 100

67 42.9 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: 7.97 min Scan# 706

Delta R.T. 0.00 min

Lab File: VD060794.D

Acq: 28 Jan 2019 16:39

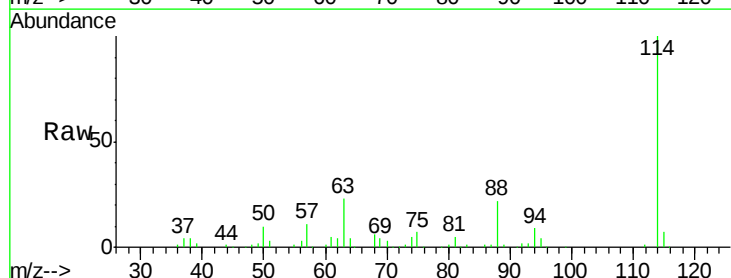
Tgt Ion: 114 Resp: 786921

Ion Ratio Lower Upper

114 100

63 23.3 0.0 46.6

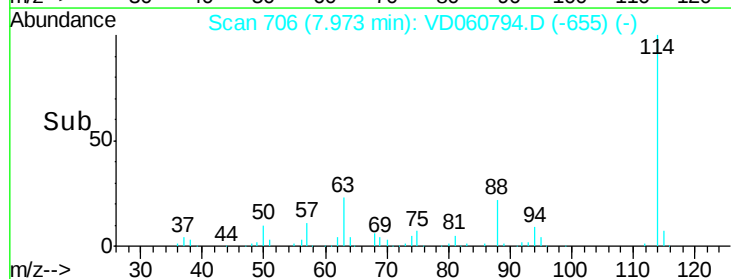
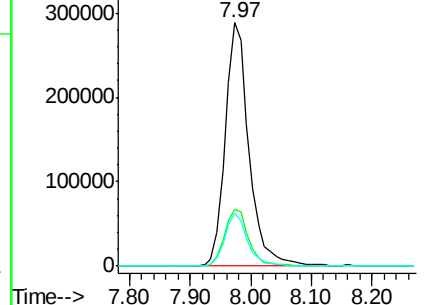
88 22.0 0.0 44.0

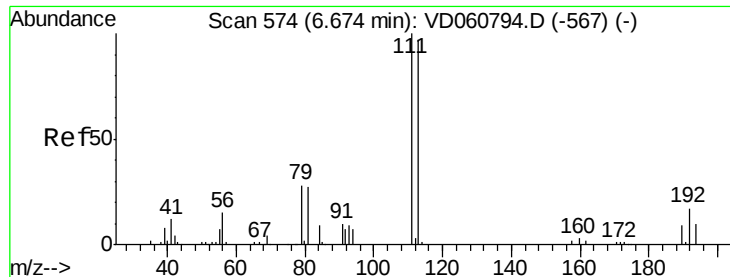


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

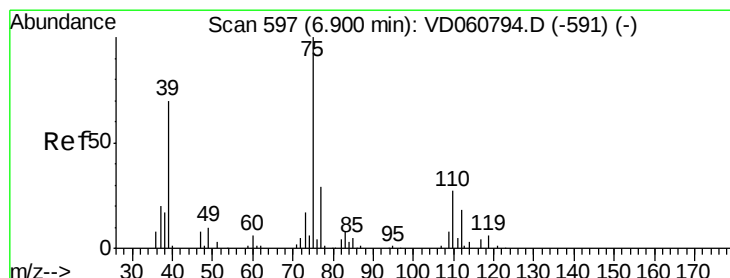
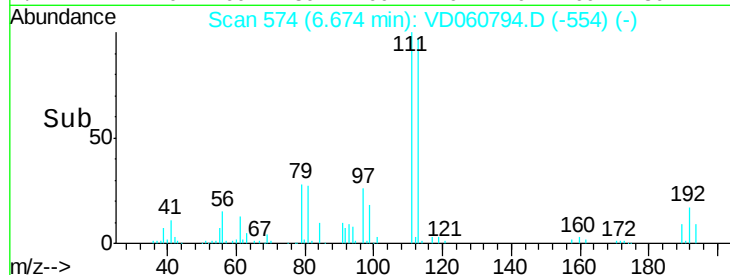
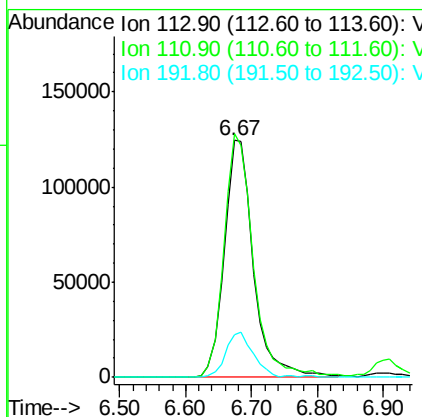
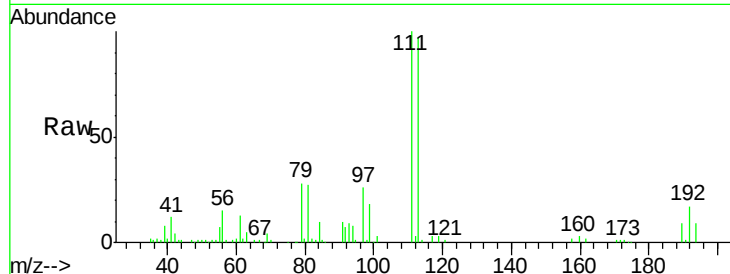




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.67 min Scan# 574
Delta R.T. 0.00 min
Lab File: VD060794.D
Acq: 28 Jan 2019 16:39

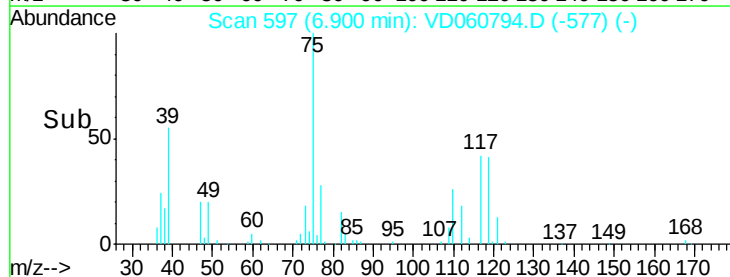
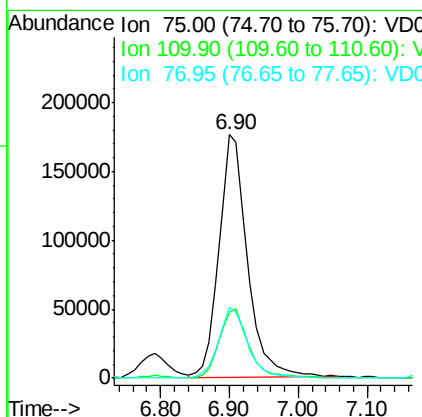
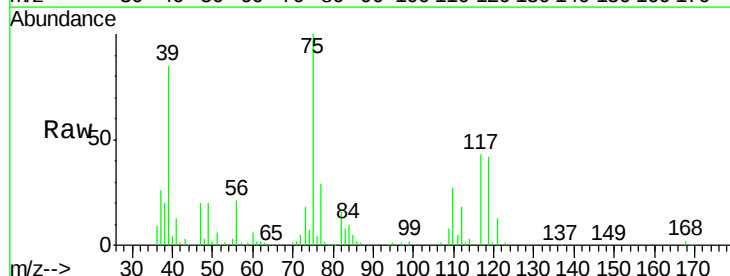
Instrument :
MSVOA_D
ClientSampleId :

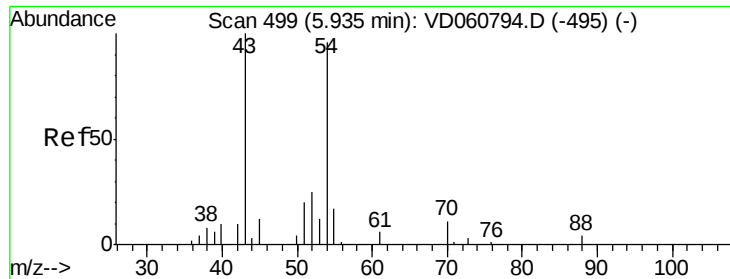
Tgt Ion:113 Resp: 386058
Ion Ratio Lower Upper
113 100
111 102.9 82.3 123.5
192 18.0 14.4 21.6



#36
1,1-Dichloropropene
Concen: 53.746 ug/l
RT: 6.90 min Scan# 597
Delta R.T. 0.00 min
Lab File: VD060794.D
Acq: 28 Jan 2019 16:39

Tgt Ion: 75 Resp: 504981
Ion Ratio Lower Upper
75 100
110 26.9 13.5 40.4
77 29.3 23.4 35.2

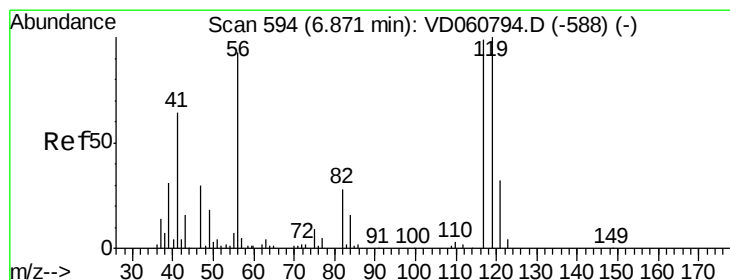
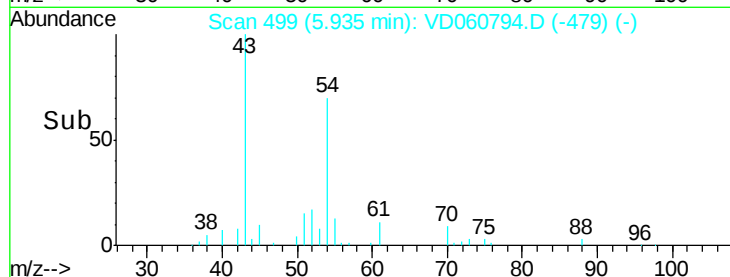
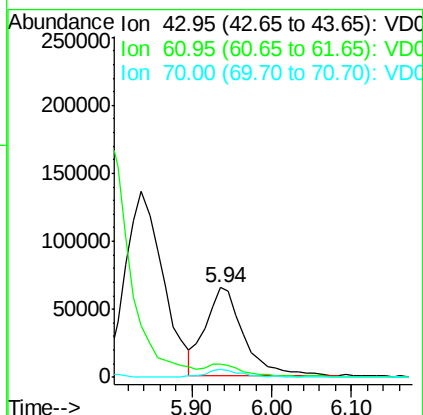
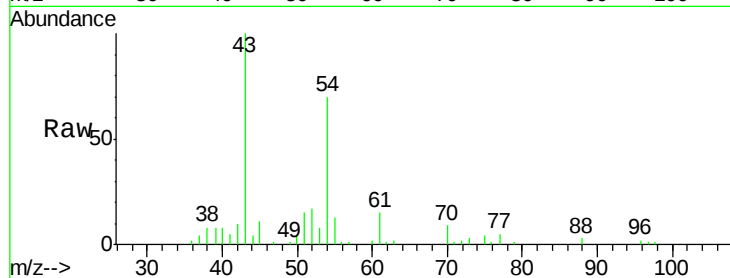




#37
Ethyl Acetate
Concen: 51.577 ug/l
RT: 5.94 min Scan# 499
Delta R.T. 0.00 min
Lab File: VD060794.D
Acq: 28 Jan 2019 16:39

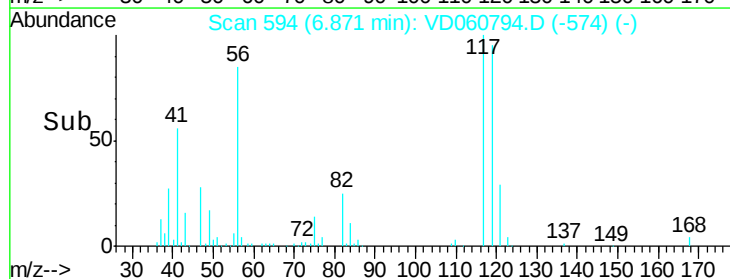
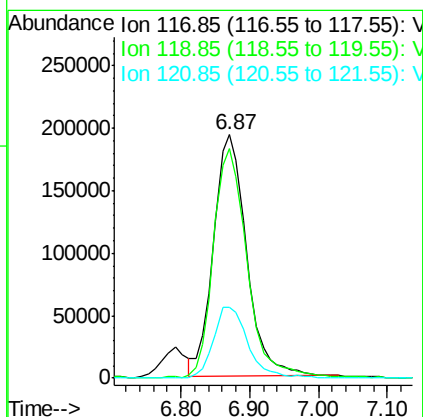
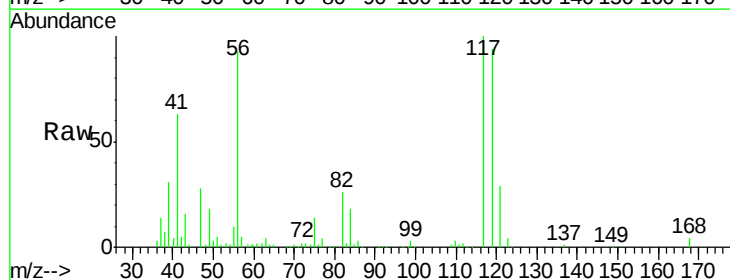
Instrument :
MSVOA_D
ClientSampled :

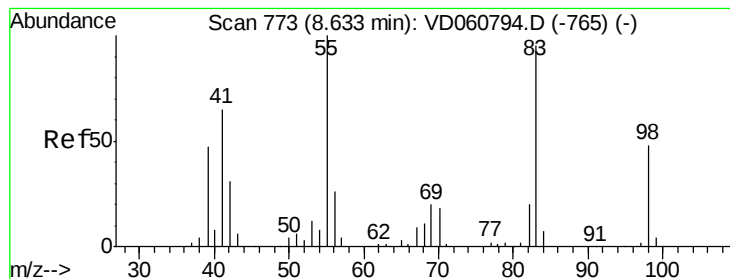
Tgt Ion: 43 Resp: 216323
Ion Ratio Lower Upper
43 100
61 15.4 12.3 18.5
70 9.2 7.4 11.0



#38
Carbon Tetrachloride
Concen: 54.856 ug/l
RT: 6.87 min Scan# 594
Delta R.T. 0.00 min
Lab File: VD060794.D
Acq: 28 Jan 2019 16:39

Tgt Ion: 117 Resp: 646313
Ion Ratio Lower Upper
117 100
119 94.5 75.6 113.4
121 29.3 23.4 35.2





#39

Methylcyclohexane

Concen: 52.609 ug/l

RT: 8.63 min Scan# 773

Delta R.T. 0.00 min

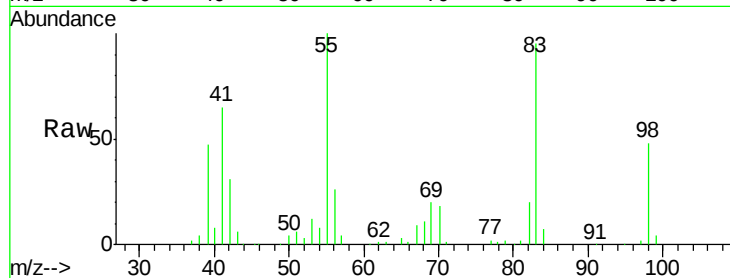
Lab File: VD060794.D

Acq: 28 Jan 2019 16:39

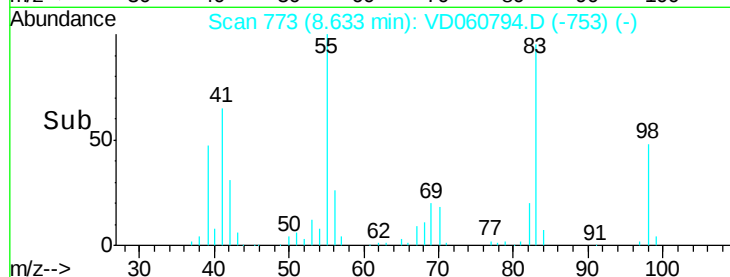
Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 83 Resp: 413948

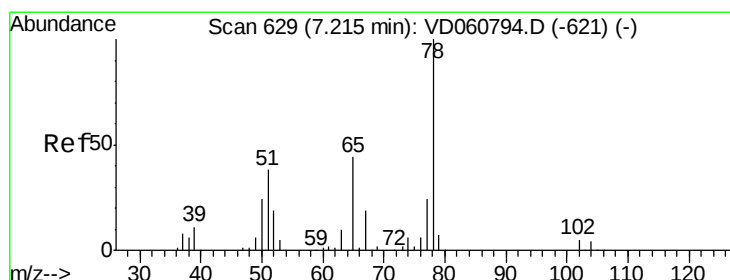
Ion	Ratio	Lower	Upper
83	100		
55	104.8	83.8	125.8
98	49.8	39.8	59.8



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



Time-->



#40

Benzene

Concen: 52.328 ug/l

RT: 7.22 min Scan# 629

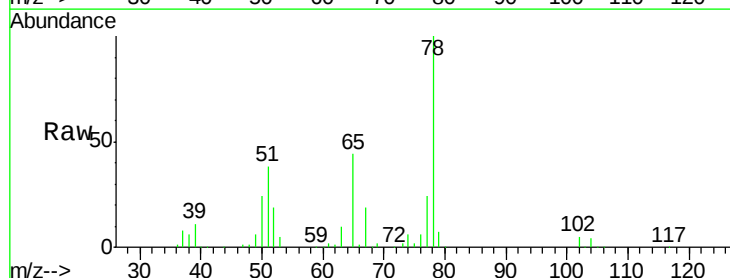
Delta R.T. 0.00 min

Lab File: VD060794.D

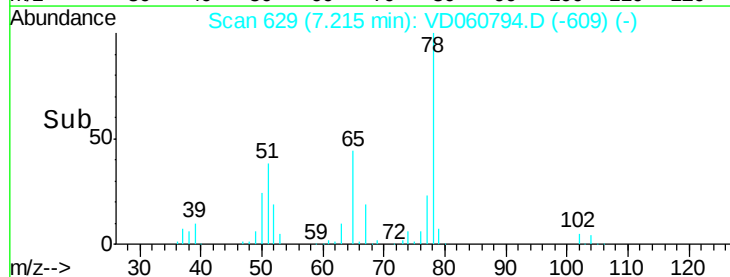
Acq: 28 Jan 2019 16:39

Tgt Ion: 78 Resp: 970356

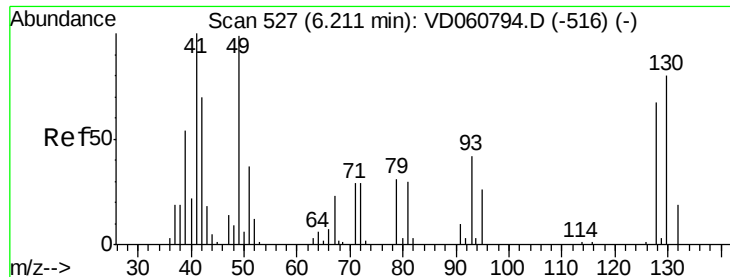
Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.9	28.3



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



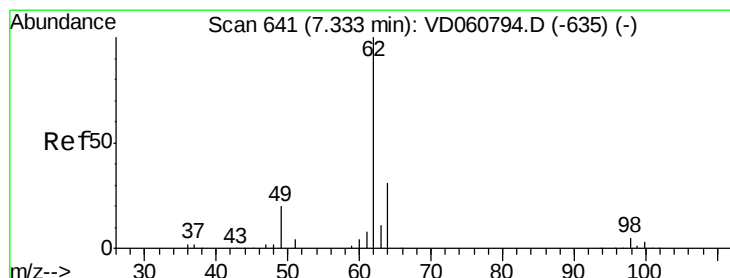
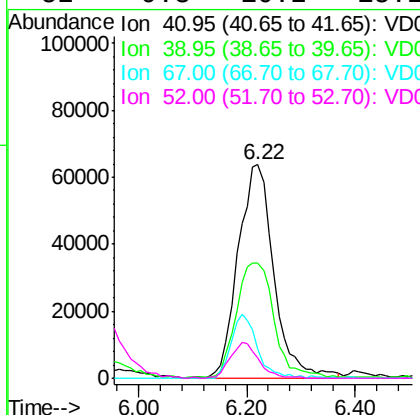
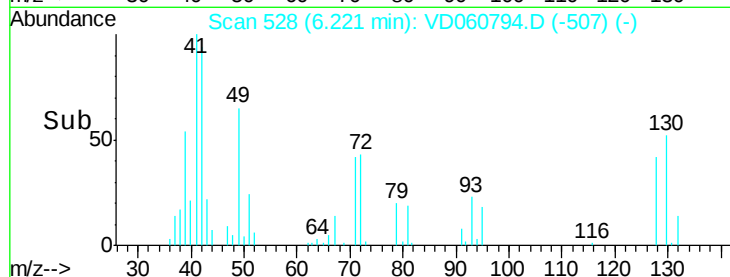
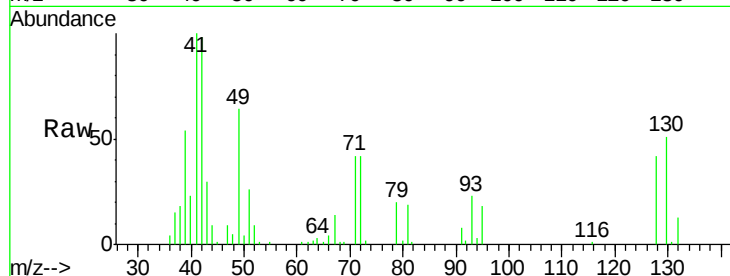
Time-->



#41
Methacrylonitrile
Concen: 106.097 ug/l
RT: 6.22 min Scan# 528
Delta R.T. 0.01 min
Lab File: VD060794.D
Acq: 28 Jan 2019 16:39

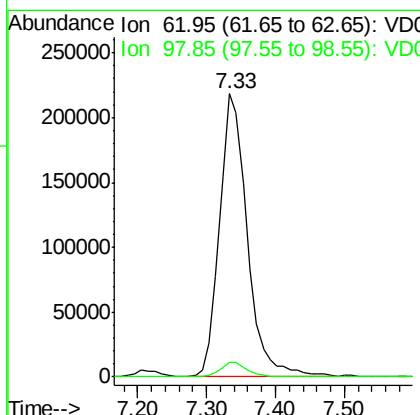
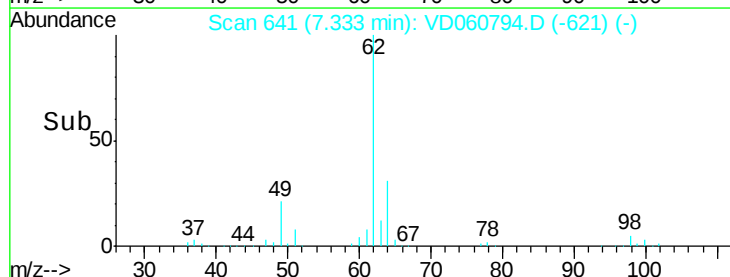
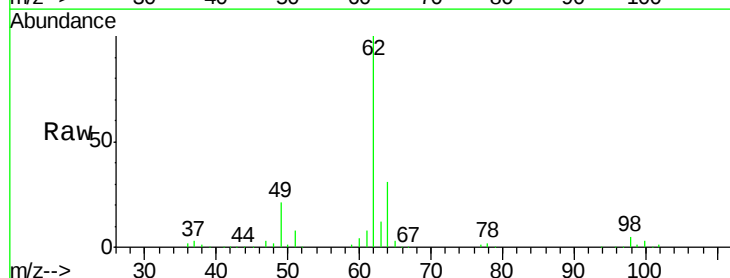
Instrument :
MSVOA_D
ClientSampleID :

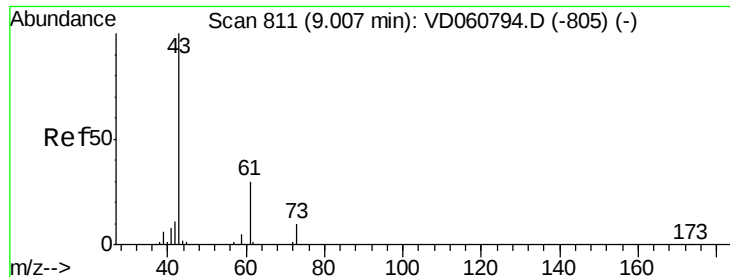
Tgt Ion: 41 Resp: 292612
Ion Ratio Lower Upper
41 100
39 54.2 43.6 65.4
67 13.7 18.5 27.7#
52 9.3 10.2 15.2#



#42
1,2-Dichloroethane
Concen: 56.698 ug/l
RT: 7.33 min Scan# 641
Delta R.T. 0.00 min
Lab File: VD060794.D
Acq: 28 Jan 2019 16:39

Tgt Ion: 62 Resp: 610797
Ion Ratio Lower Upper
62 100
98 5.1 0.0 10.2





#43

Isopropyl Acetate

Concen: 56.355 ug/l

RT: 9.01 min Scan# 811

Delta R.T. 0.00 min

Lab File: VD060794.D

Acq: 28 Jan 2019 16:39

Instrument :

MSVOA_D

ClientSampleId :

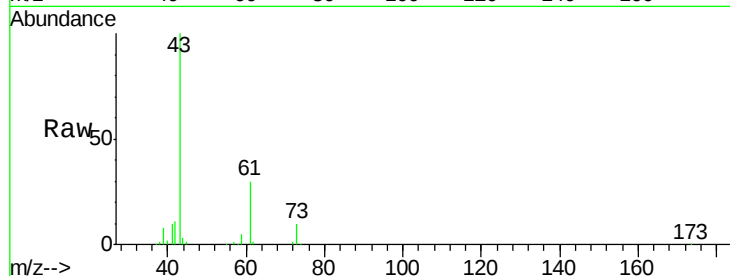
Tgt Ion: 43 Resp: 308281

Ion Ratio Lower Upper

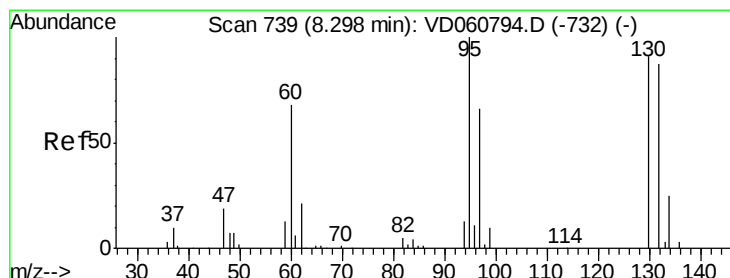
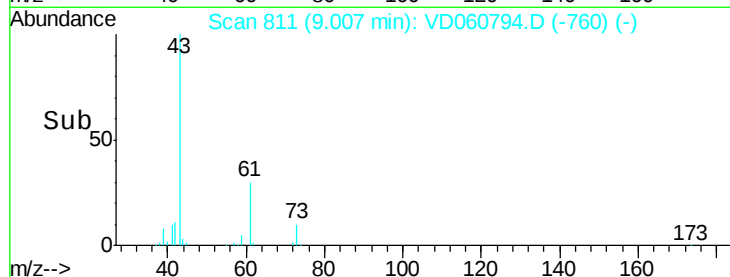
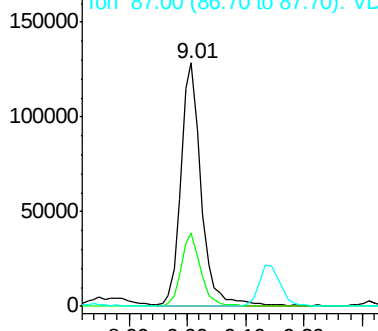
43 100

61 30.1 24.1 36.1

87 0.0 0.0 0.0



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 53.285 ug/l

RT: 8.30 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD060794.D

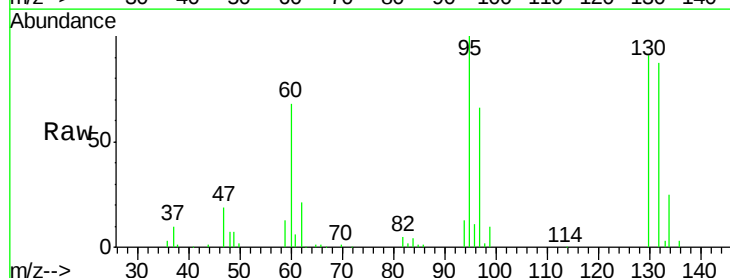
Acq: 28 Jan 2019 16:39

Tgt Ion: 130 Resp: 334971

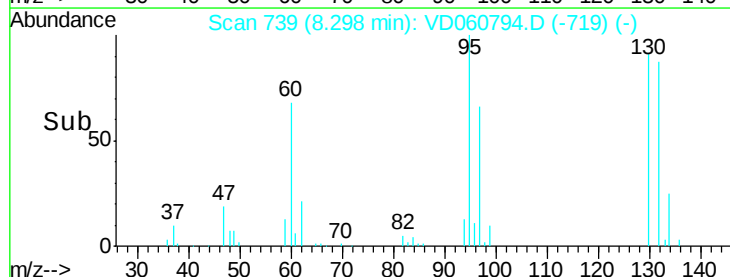
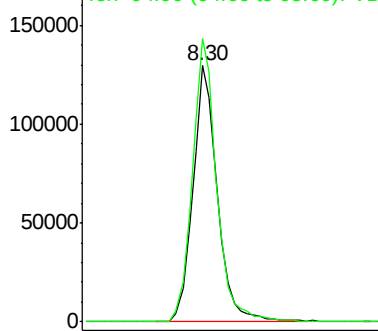
Ion Ratio Lower Upper

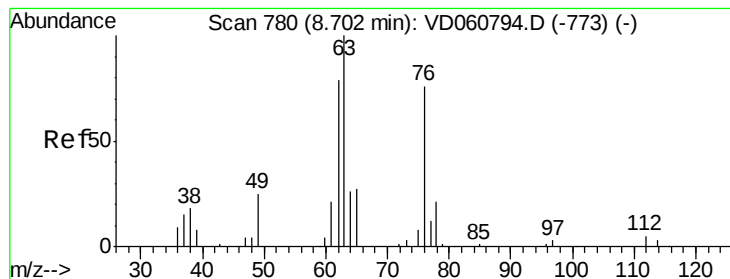
130 100

95 110.5 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: 53.176 ug/l

RT: 8.70 min Scan# 780

Delta R.T. 0.00 min

Lab File: VD060794.D

Acq: 28 Jan 2019 16:39

Instrument :

MSVOA_D

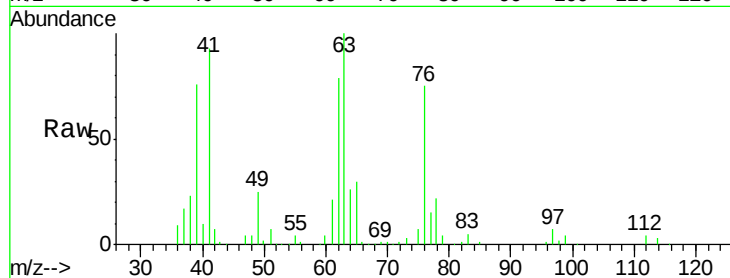
ClientSampled :

Tgt Ion: 63 Resp: 266933

Ion Ratio Lower Upper

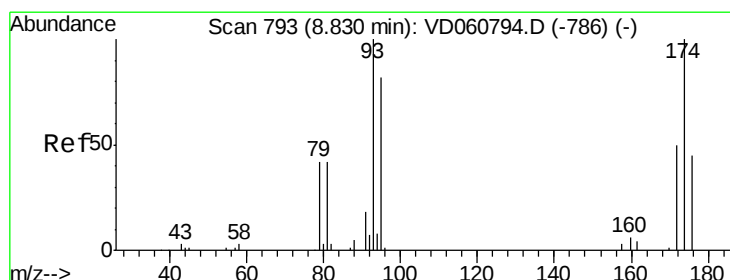
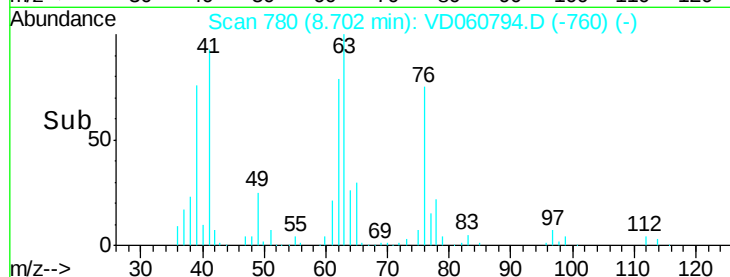
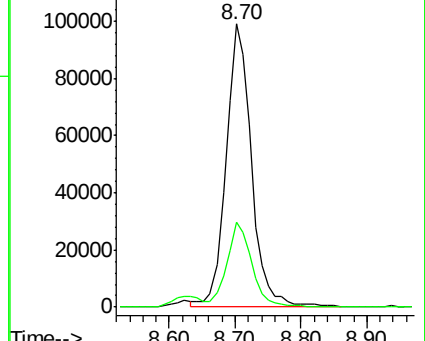
63 100

65 30.1 24.1 36.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 55.345 ug/l

RT: 8.83 min Scan# 793

Delta R.T. 0.00 min

Lab File: VD060794.D

Acq: 28 Jan 2019 16:39

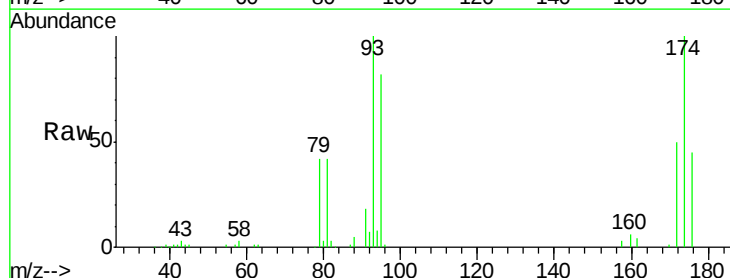
Tgt Ion: 93 Resp: 215673

Ion Ratio Lower Upper

93 100

95 82.3 65.8 98.8

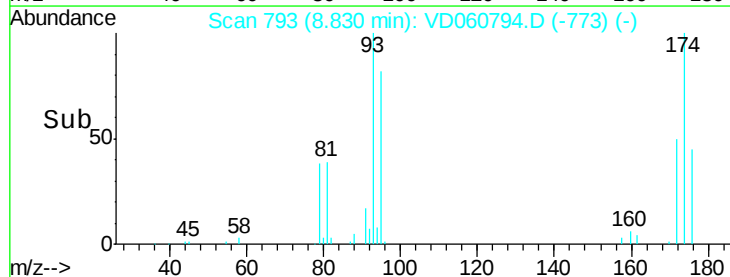
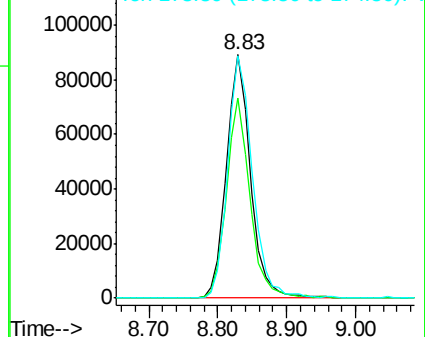
174 99.7 79.8 119.6

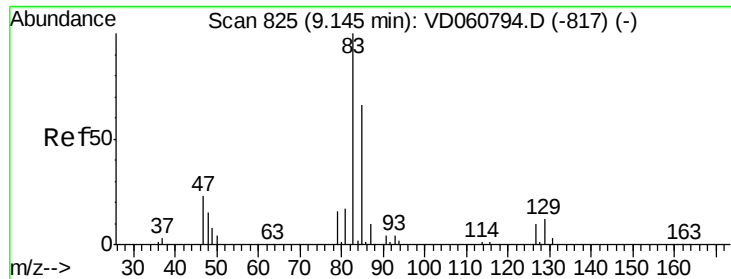


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 52.985 ug/l

RT: 9.14 min Scan# 825

Delta R.T. 0.00 min

Lab File: VD060794.D

Acq: 28 Jan 2019 16:39

Instrument :
MSVOA_D
ClientSampled :

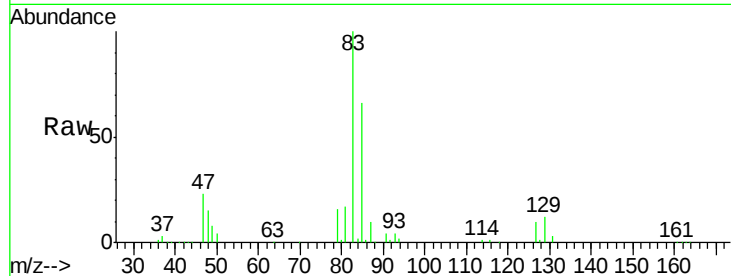
Tgt Ion: 83 Resp: 557322

Ion Ratio Lower Upper

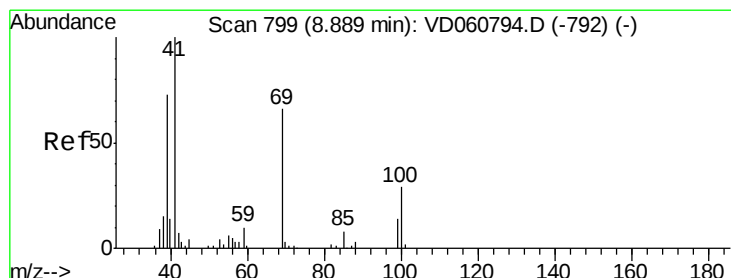
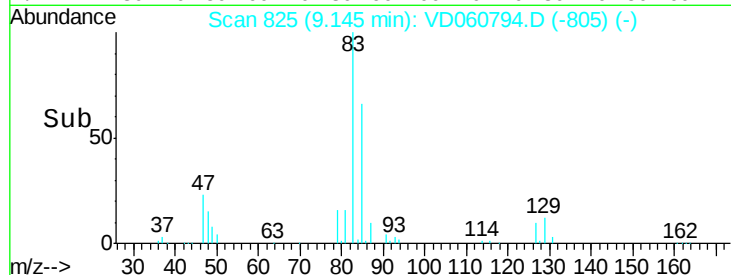
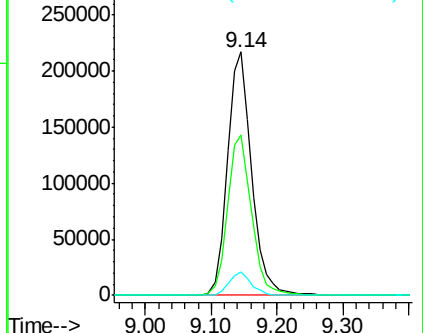
83 100

85 65.8 52.6 79.0

127 9.6 7.7 11.5



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



#48

Methyl methacrylate

Concen: 54.290 ug/l

RT: 8.89 min Scan# 799

Delta R.T. 0.00 min

Lab File: VD060794.D

Acq: 28 Jan 2019 16:39

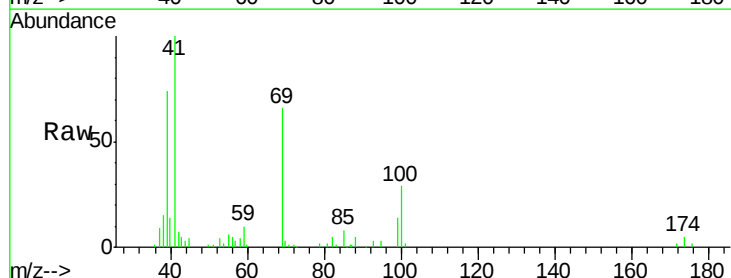
Tgt Ion: 41 Resp: 204794

Ion Ratio Lower Upper

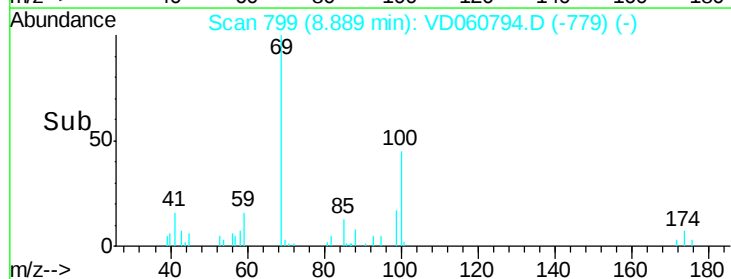
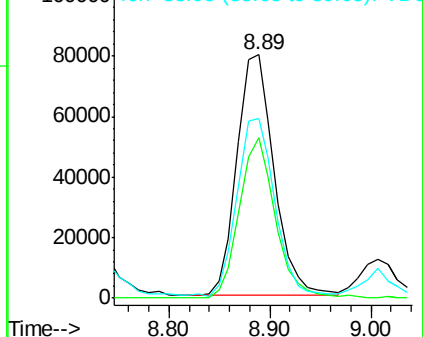
41 100

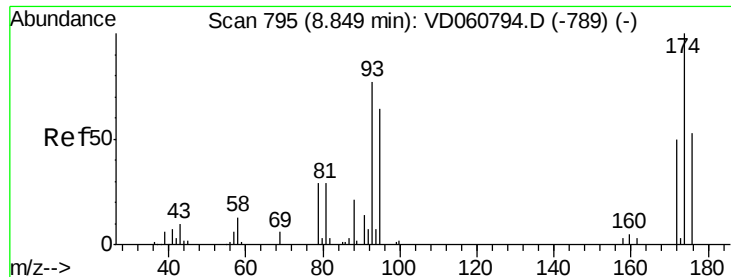
69 65.6 52.5 78.7

39 73.8 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

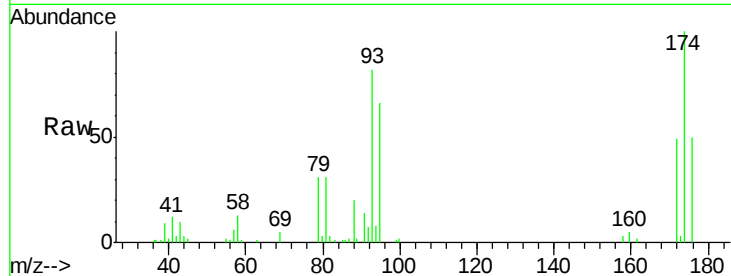




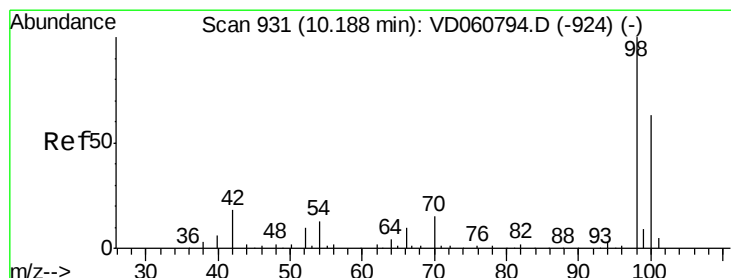
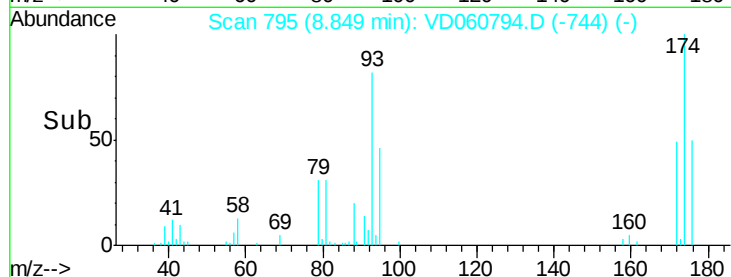
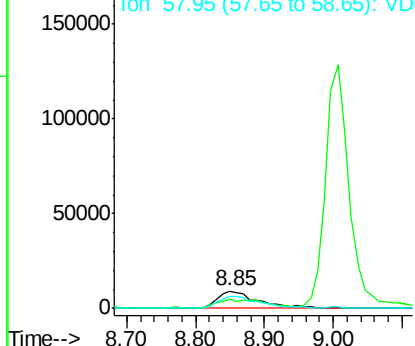
#49
 1,4-Dioxane
 Concen: 1252.601 ug/l
 RT: 8.85 min Scan# 795
 Delta R.T. 0.00 min
 Lab File: VD060794.D
 Acq: 28 Jan 2019 16:39

Instrument :
 MSVOA_D
 ClientSampleId :

Tgt Ion: 88 Resp: 36634
 Ion Ratio Lower Upper
 88 100
 43 51.1 40.9 61.3
 58 65.3 52.2 78.4

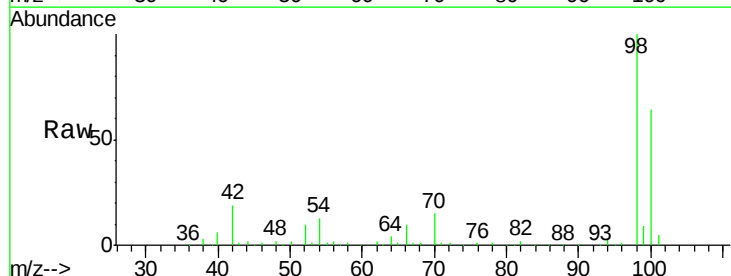


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

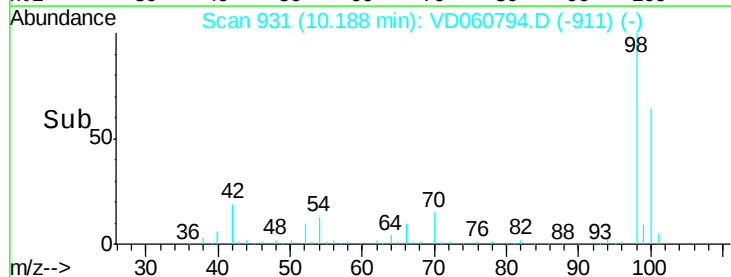
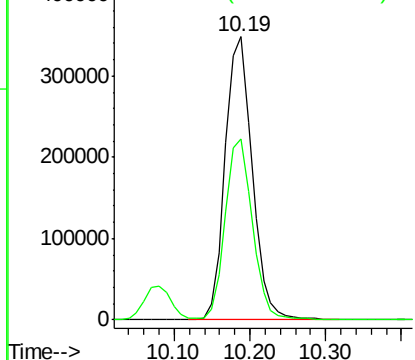


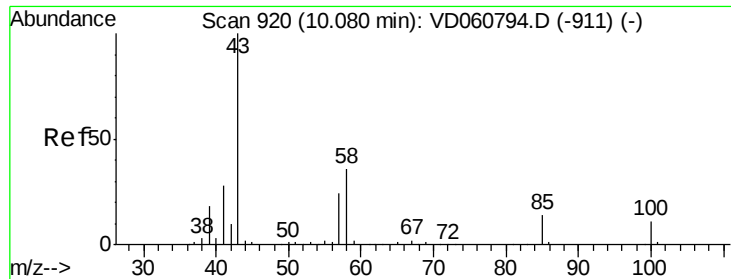
#50
 Toluene-d8
 Concen: 1252.601 ug/l
 RT: 10.19 min Scan# 931
 Delta R.T. 0.00 min
 Lab File: VD060794.D
 Acq: 28 Jan 2019 16:39

Tgt Ion: 98 Resp: 863869
 Ion Ratio Lower Upper
 98 100
 100 63.8 51.0 76.6



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

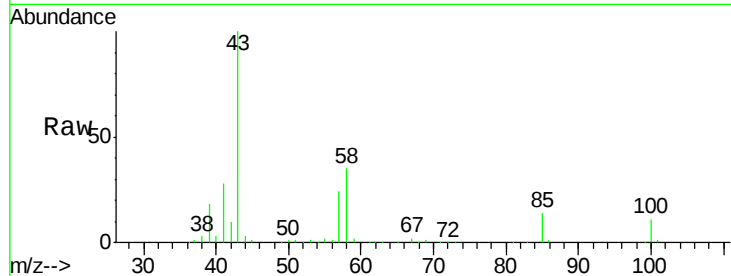




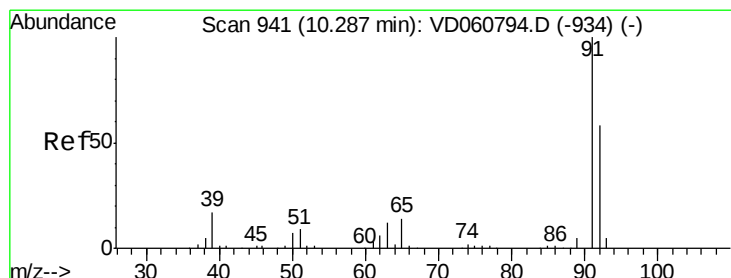
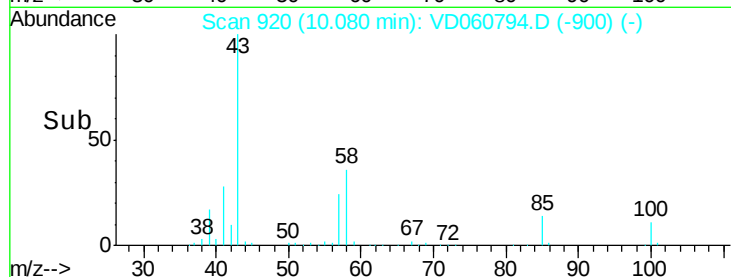
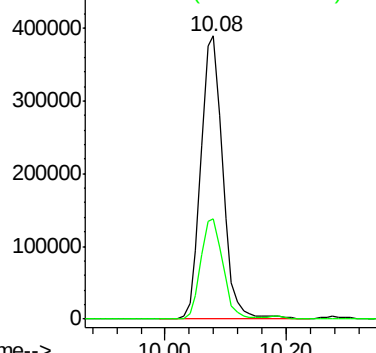
#51
 4-Methyl-2-Pentanone
 Concen: 276.753 ug/l
 RT: 10.08 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VD060794.D
 Acq: 28 Jan 2019 16:39

Instrument :
 MSVOA_D
 ClientSampleId :

Tgt Ion: 43 Resp: 980400
 Ion Ratio Lower Upper
 43 100
 58 35.5 28.4 42.6

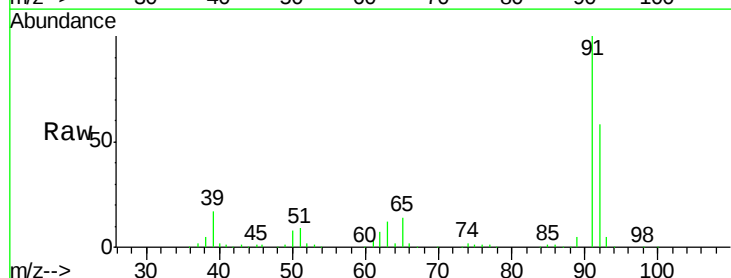


Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 57.95 (57.65 to 58.65): VDC

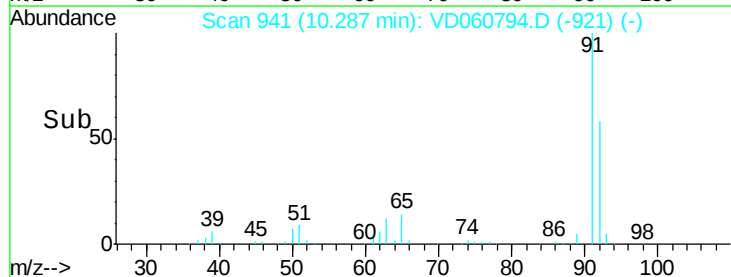
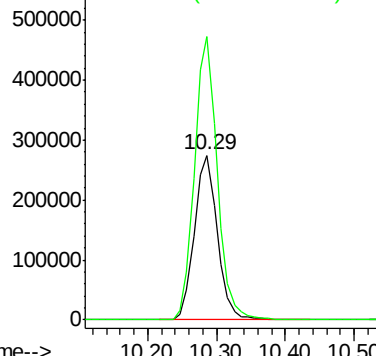


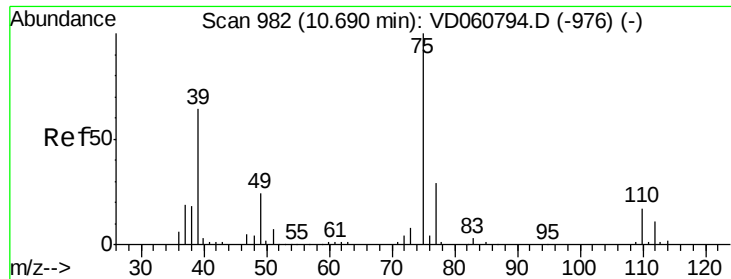
#52
 Toluene
 Concen: 53.782 ug/l
 RT: 10.29 min Scan# 941
 Delta R.T. 0.00 min
 Lab File: VD060794.D
 Acq: 28 Jan 2019 16:39

Tgt Ion: 92 Resp: 632625
 Ion Ratio Lower Upper
 92 100
 91 172.1 137.7 206.5



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

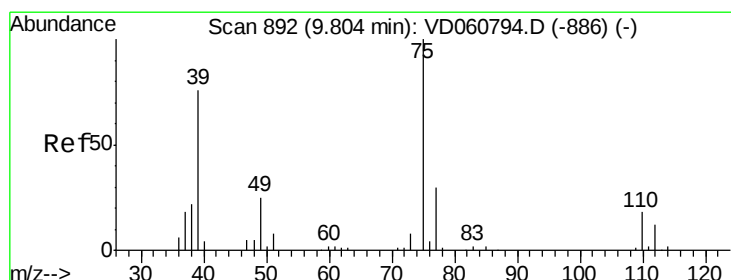
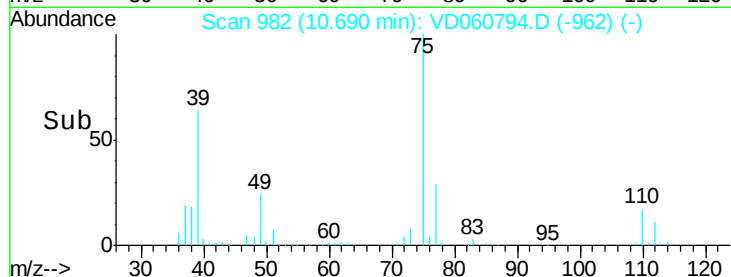
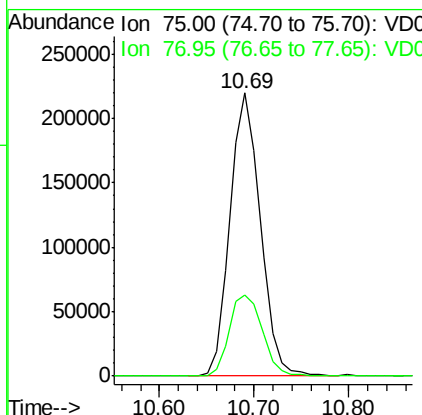
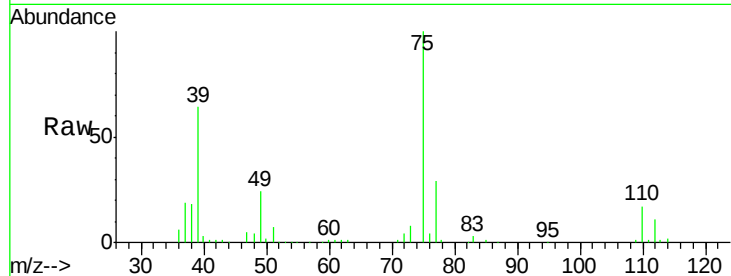




#53
 t-1,3-Dichloropropene
 Concen: 52.738 ug/l
 RT: 10.69 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VD060794.D
 Acq: 28 Jan 2019 16:39

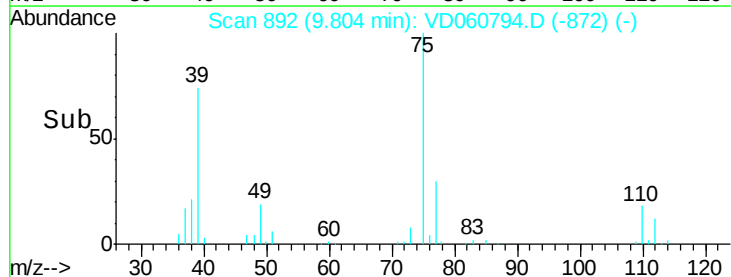
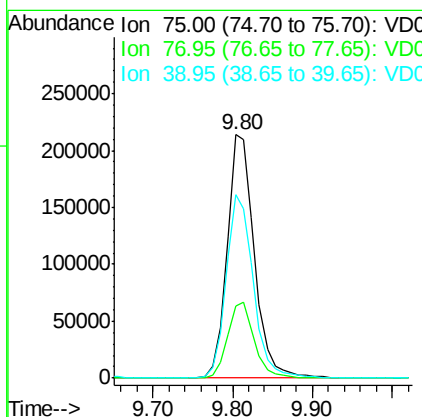
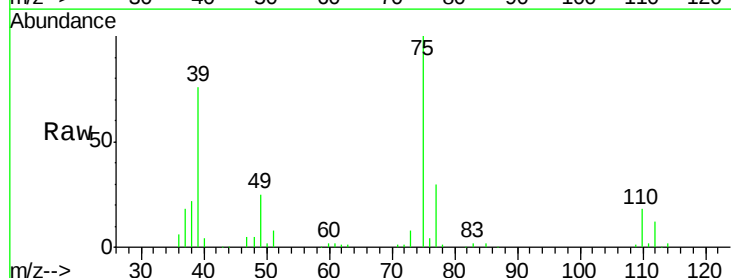
Instrument :
 MSVOA_D
 ClientSampleId :

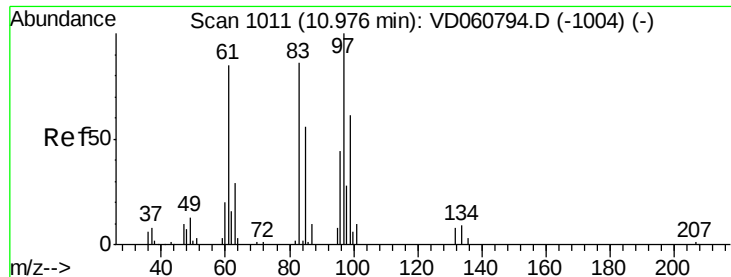
Tgt Ion: 75 Resp: 487947
 Ion Ratio Lower Upper
 75 100
 77 28.8 23.0 34.6



#54
 cis-1,3-Dichloropropene
 Concen: 53.822 ug/l
 RT: 9.80 min Scan# 892
 Delta R.T. 0.00 min
 Lab File: VD060794.D
 Acq: 28 Jan 2019 16:39

Tgt Ion: 75 Resp: 510651
 Ion Ratio Lower Upper
 75 100
 77 29.9 23.9 35.9
 39 75.5 60.4 90.6

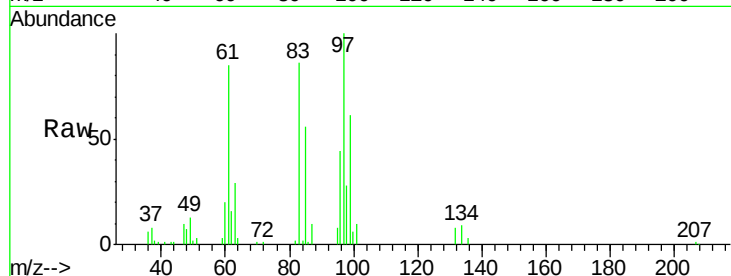




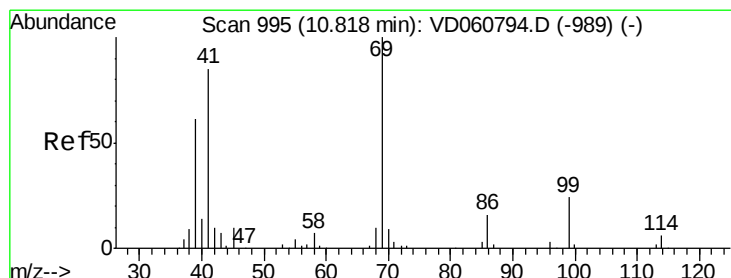
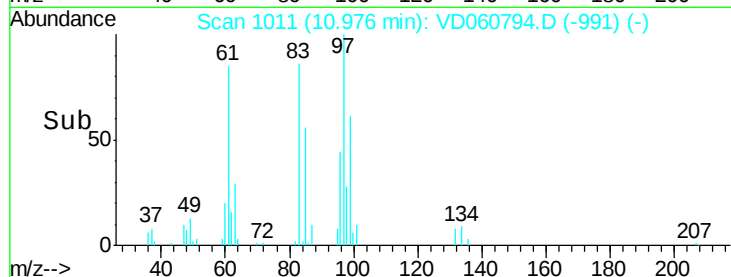
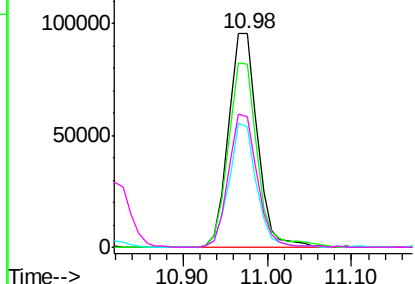
#55
 1,1,2-Trichloroethane
 Concen: 56.762 ug/l
 RT: 10.98 min Scan# 1011
 Delta R.T. 0.00 min
 Lab File: VD060794.D
 Acq: 28 Jan 2019 16:39

Instrument :
 MSVOA_D
 ClientSampled :

Tgt Ion: 97 Resp: 227641
 Ion Ratio Lower Upper
 97 100
 83 85.6 68.5 102.7
 85 56.3 45.0 67.6
 99 61.2 49.0 73.4

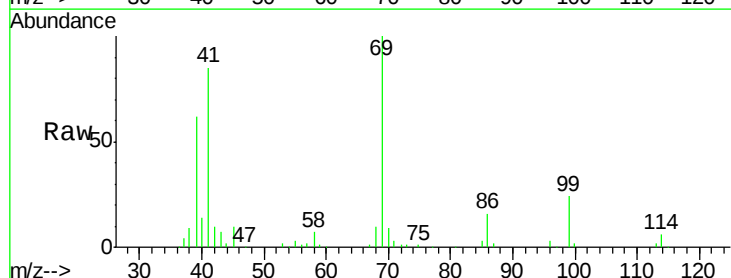


Abundance Ion 96.85 (96.55 to 97.55): VDC
 150000
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

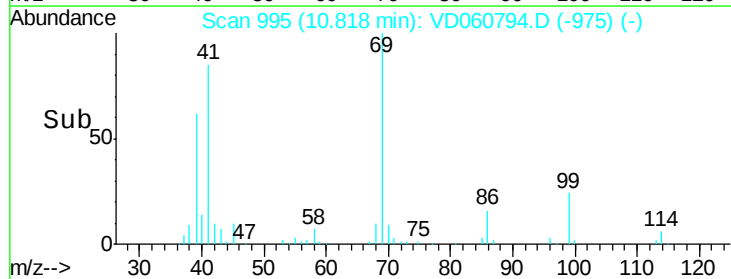
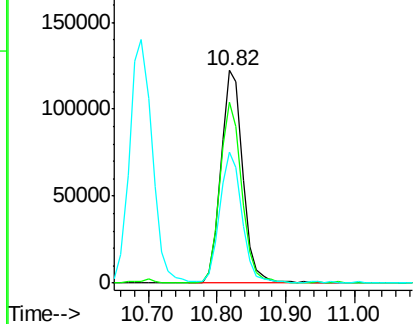


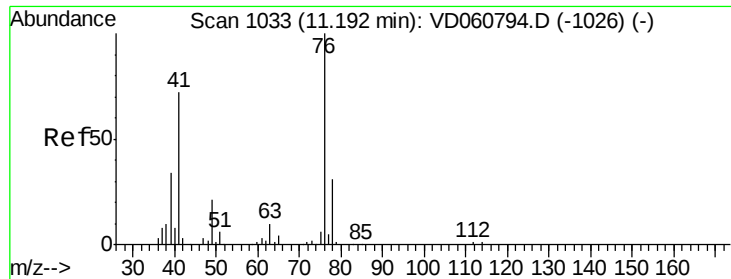
#56
 Ethyl methacrylate
 Concen: 55.405 ug/l
 RT: 10.82 min Scan# 995
 Delta R.T. 0.00 min
 Lab File: VD060794.D
 Acq: 28 Jan 2019 16:39

Tgt Ion: 69 Resp: 269171
 Ion Ratio Lower Upper
 69 100
 41 85.2 68.2 102.2
 39 61.7 49.4 74.0



Abundance Ion 69.00 (68.70 to 69.70): VDC
 150000
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 55.371 ug/l

RT: 11.19 min Scan# 1033

Delta R.T. 0.00 min

Lab File: VD060794.D

Acq: 28 Jan 2019 16:39

Instrument :

MSVOA_D

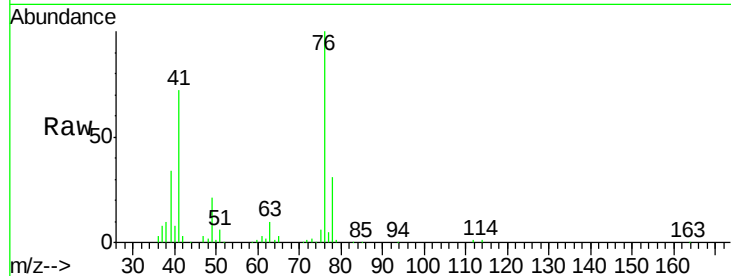
ClientSampleId :

Tgt Ion: 76 Resp: 379516

Ion Ratio Lower Upper

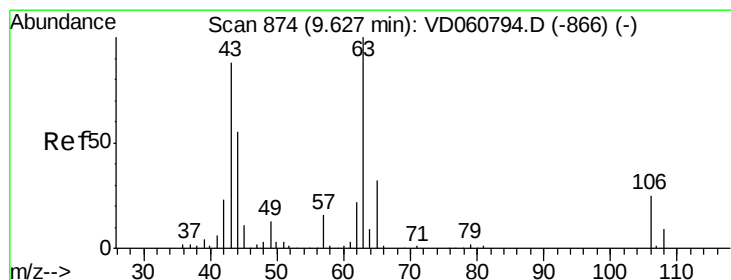
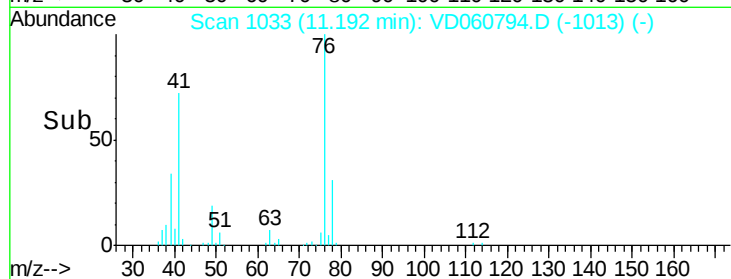
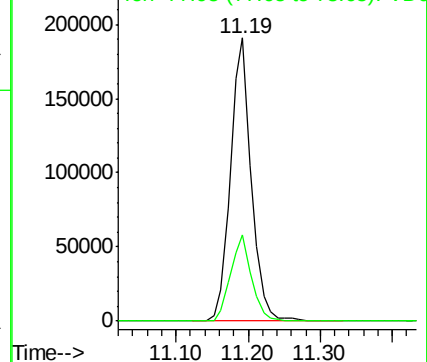
76 100

78 30.6 24.5 36.7



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 220.436 ug/l

RT: 9.63 min Scan# 874

Delta R.T. 0.00 min

Lab File: VD060794.D

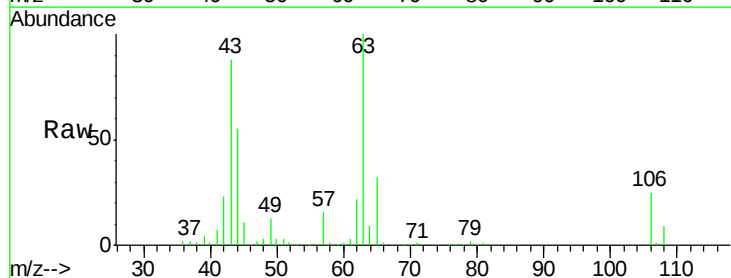
Acq: 28 Jan 2019 16:39

Tgt Ion: 63 Resp: 561911

Ion Ratio Lower Upper

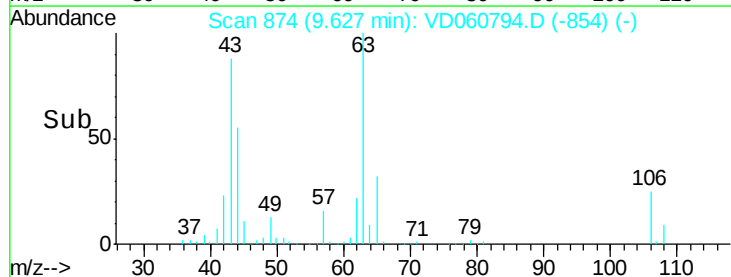
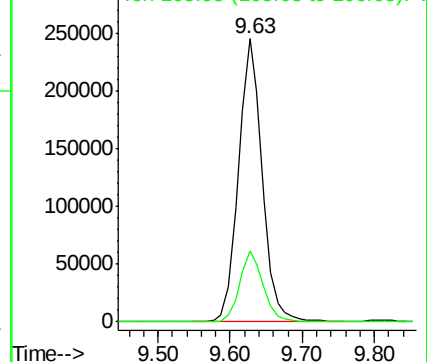
63 100

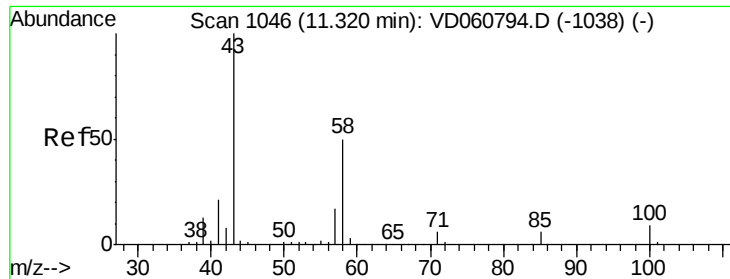
106 24.9 19.9 29.9



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V





#59

2-Hexanone

Concen: 273.656 ug/l

RT: 11.32 min Scan# 1046

Delta R.T. 0.00 min

Lab File: VD060794.D

Acq: 28 Jan 2019 16:39

Instrument :

MSVOA_D

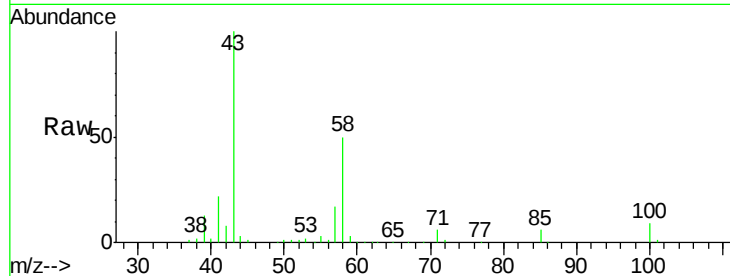
ClientSampleId :

Tgt Ion: 43 Resp: 728914

Ion Ratio Lower Upper

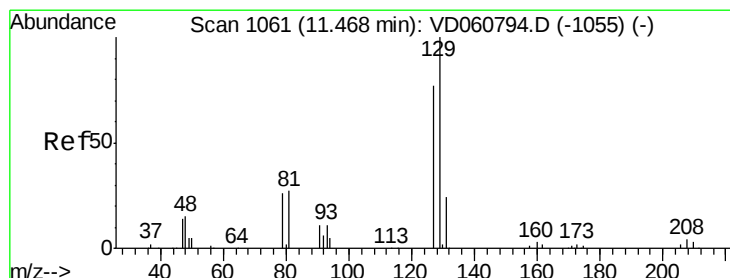
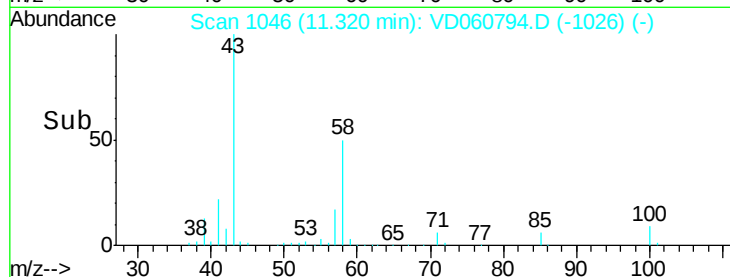
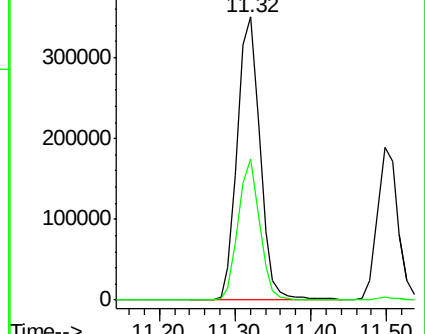
43 100

58 50.0 25.0 75.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#60

Dibromochloromethane

Concen: 57.862 ug/l

RT: 11.47 min Scan# 1061

Delta R.T. 0.00 min

Lab File: VD060794.D

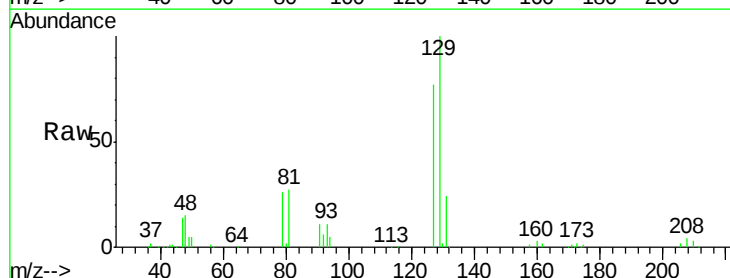
Acq: 28 Jan 2019 16:39

Tgt Ion: 129 Resp: 417180

Ion Ratio Lower Upper

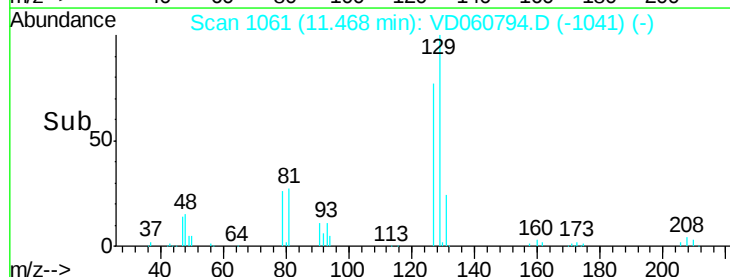
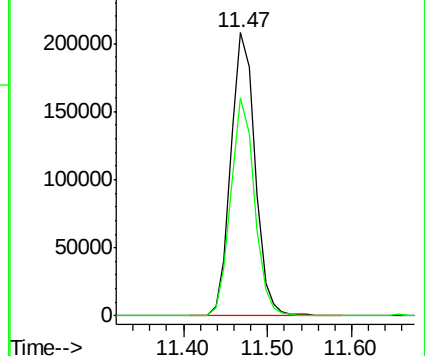
129 100

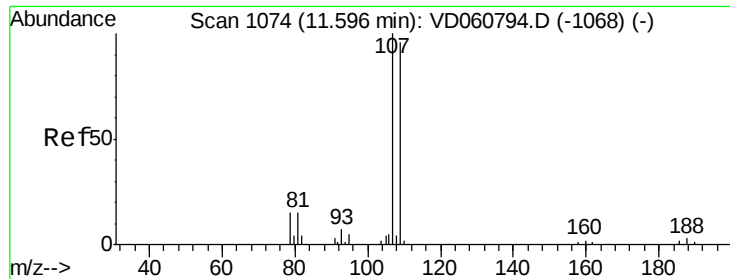
127 77.1 38.6 115.7



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

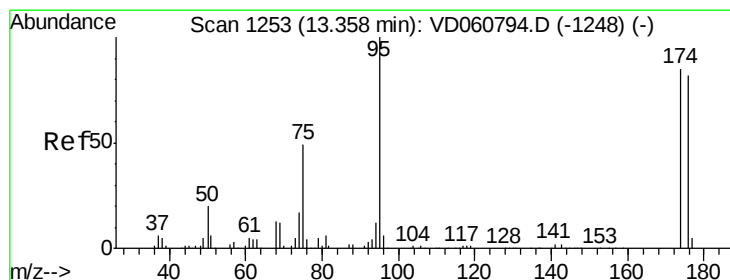
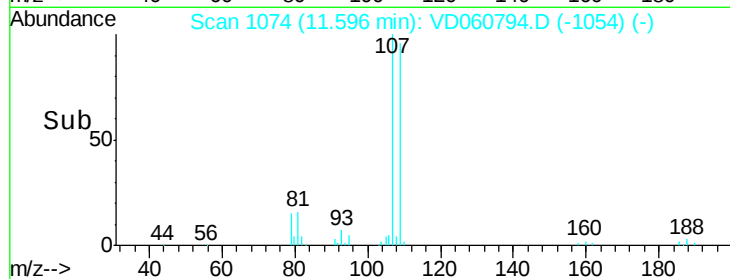
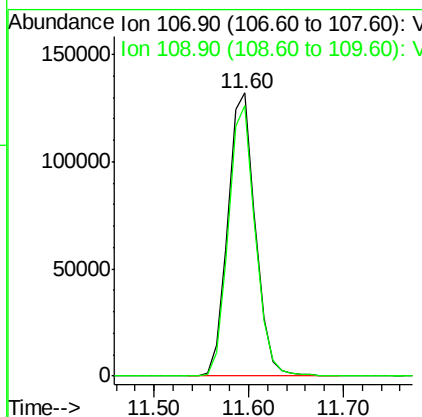
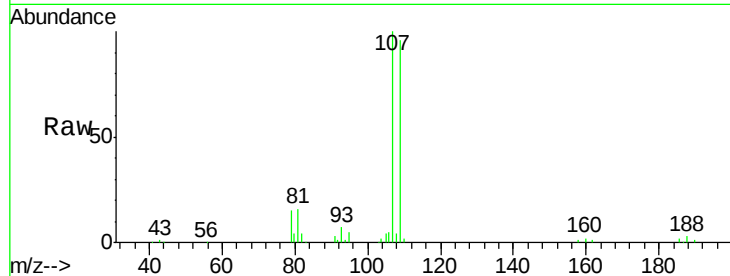




#61
 1,2-Dibromoethane
 Concen: 56.026 ug/l
 RT: 11.60 min Scan# 1074
 Delta R.T. 0.00 min
 Lab File: VD060794.D
 Acq: 28 Jan 2019 16:39

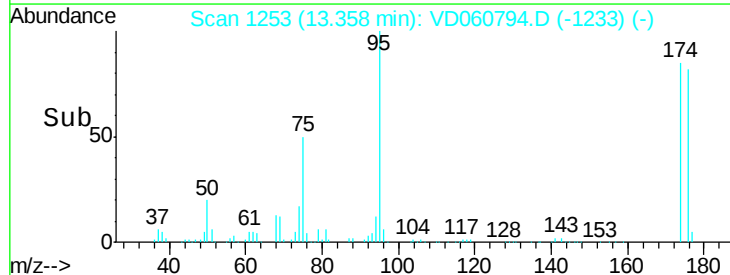
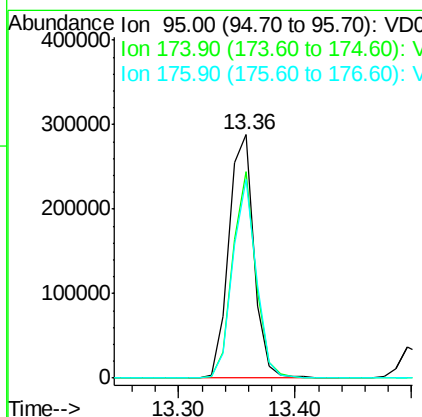
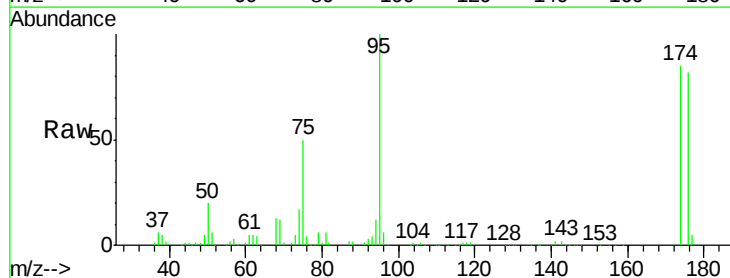
Instrument :
 MSVOA_D
 ClientSampled :

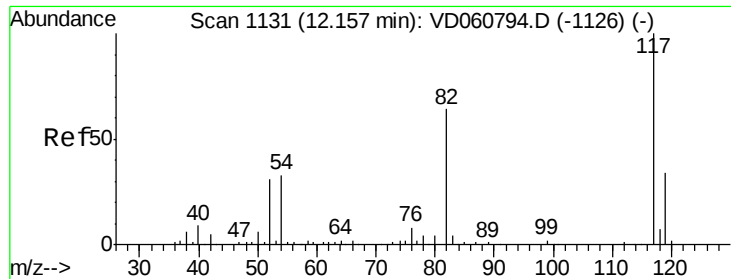
Tgt Ion: 107 Resp: 264615
 Ion Ratio Lower Upper
 107 100
 109 95.7 76.6 114.8



#62
 4-Bromofluorobenzene
 Concen: 56.026 ug/l
 RT: 13.36 min Scan# 1253
 Delta R.T. 0.00 min
 Lab File: VD060794.D
 Acq: 28 Jan 2019 16:39

Tgt Ion: 95 Resp: 431364
 Ion Ratio Lower Upper
 95 100
 174 84.8 0.0 169.6
 176 81.9 0.0 163.8

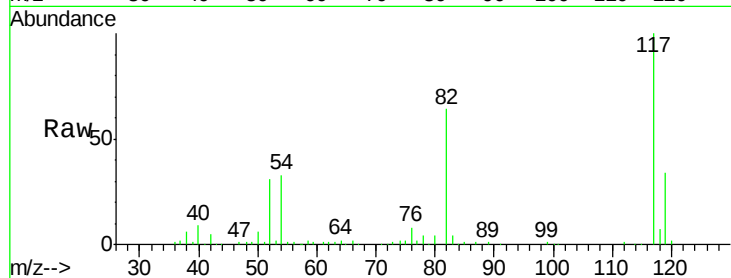




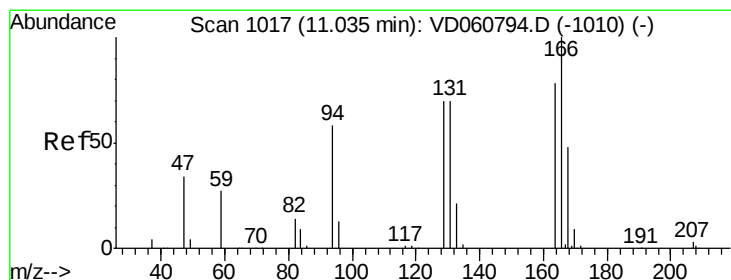
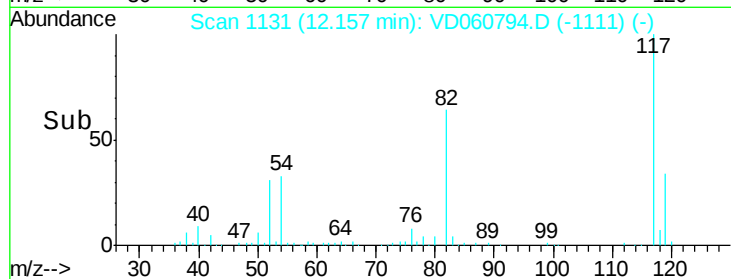
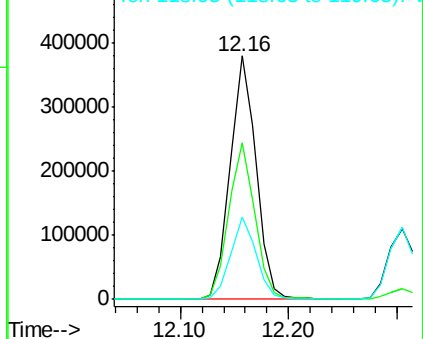
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.16 min Scan# 1131
Delta R.T. 0.00 min
Lab File: VD060794.D
Acq: 28 Jan 2019 16:39

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:117 Resp: 638110
Ion Ratio Lower Upper
117 100
82 64.4 51.5 77.3
119 33.9 27.1 40.7

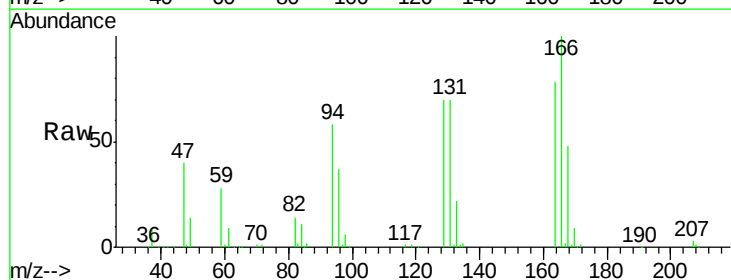


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

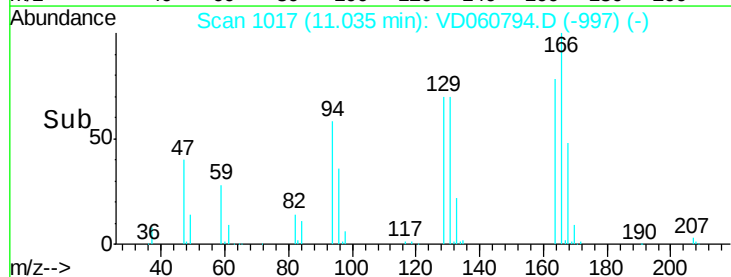
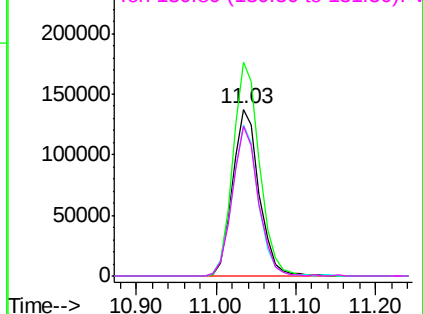


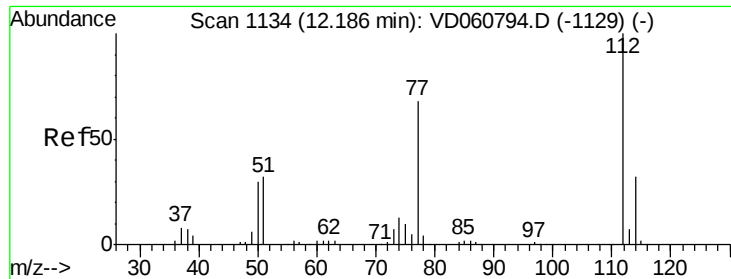
#64
Tetrachloroethene
Concen: 54.253 ug/l
RT: 11.03 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD060794.D
Acq: 28 Jan 2019 16:39

Tgt Ion:164 Resp: 317722
Ion Ratio Lower Upper
164 100
166 128.3 102.6 154.0
129 90.4 72.3 108.5
131 90.1 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

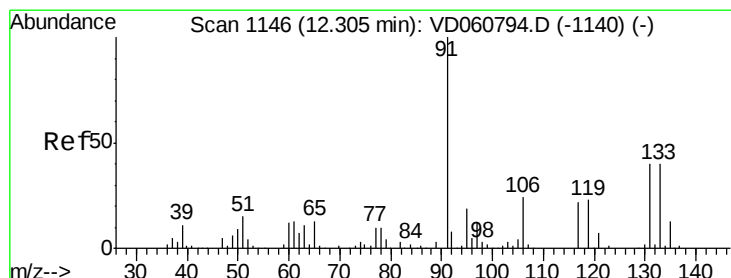
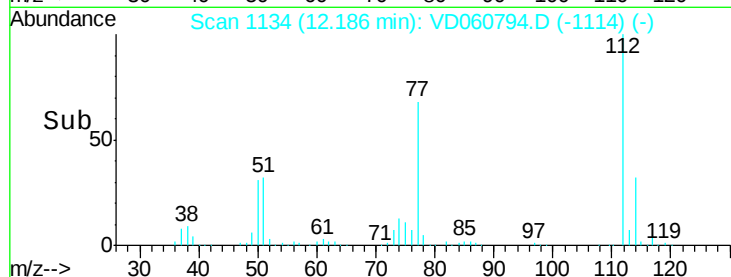
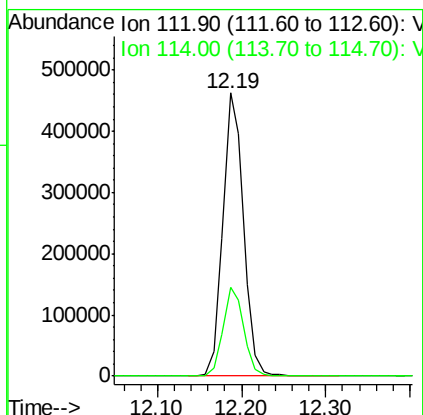
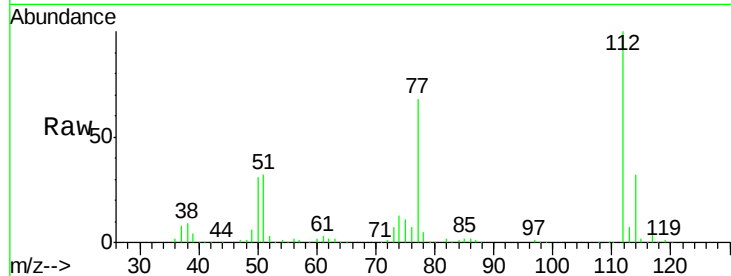




#65
Chlorobenzene
Concen: 53.747 ug/l
RT: 12.19 min Scan# 1134
Delta R.T. 0.00 min
Lab File: VD060794.D
Acq: 28 Jan 2019 16:39

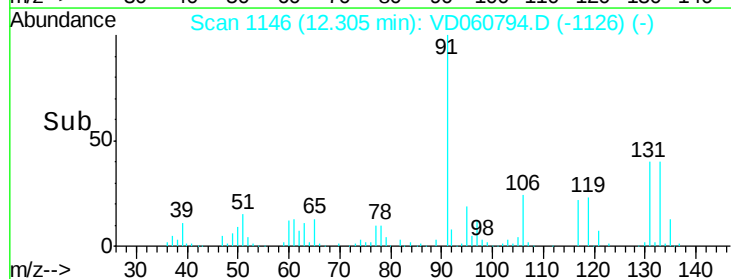
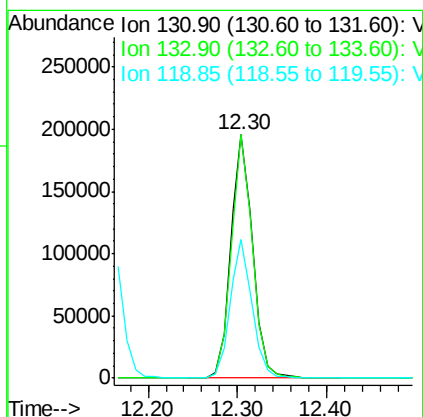
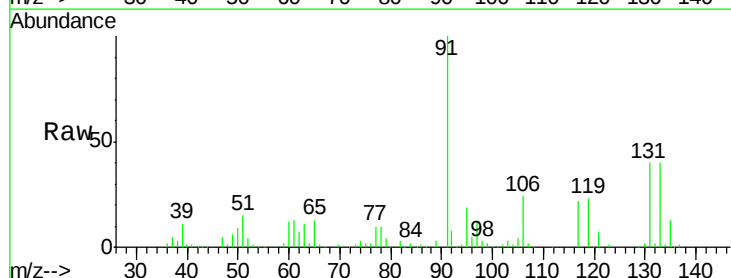
Instrument :
MSVOA_D
ClientSampled :

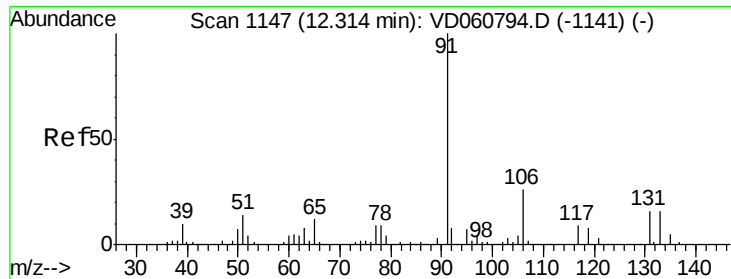
Tgt Ion:112 Resp: 783753
Ion Ratio Lower Upper
112 100
114 31.5 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 53.696 ug/l
RT: 12.30 min Scan# 1146
Delta R.T. 0.00 min
Lab File: VD060794.D
Acq: 28 Jan 2019 16:39

Tgt Ion:131 Resp: 336405
Ion Ratio Lower Upper
131 100
133 99.8 49.9 149.7
119 57.0 28.5 85.5

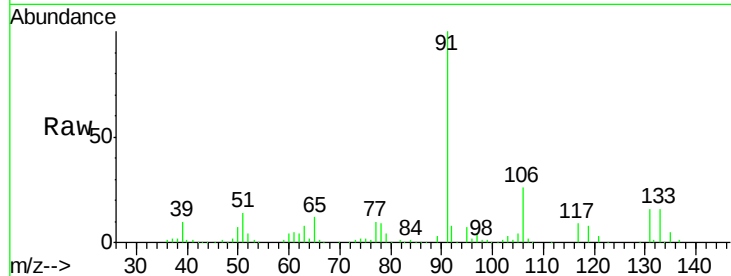




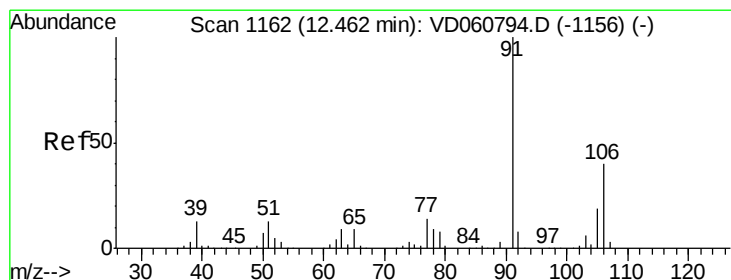
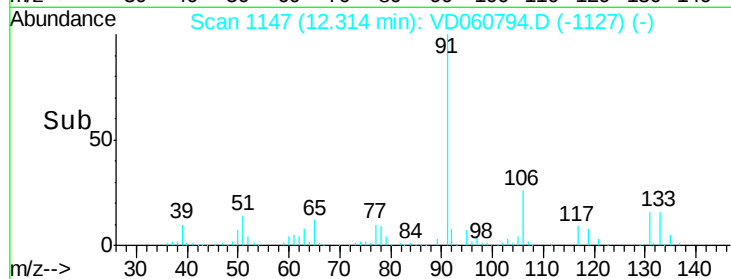
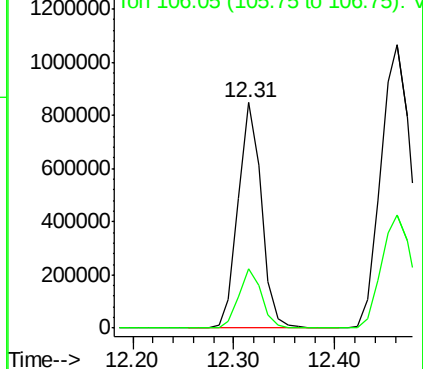
#67
Ethyl Benzene
Concen: 52.011 ug/l
RT: 12.31 min Scan# 1147
Delta R.T. 0.00 min
Lab File: VD060794.D
Acq: 28 Jan 2019 16:39

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 91 Resp: 1363810
Ion Ratio Lower Upper
91 100
106 26.3 21.0 31.6

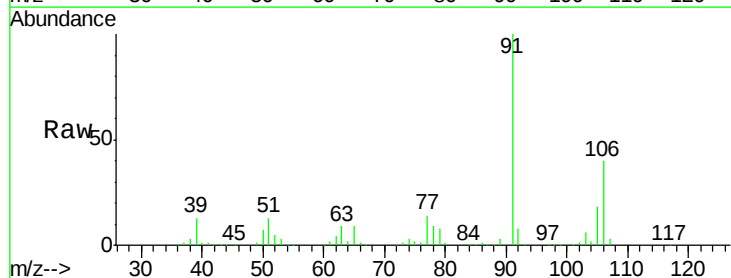


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 106.05 (105.75 to 106.75): V

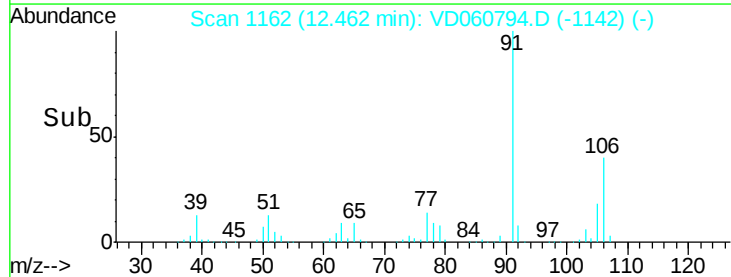
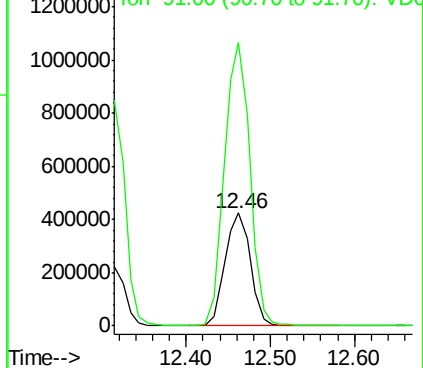


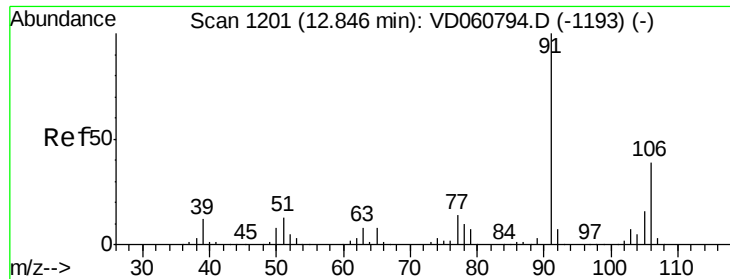
#68
m/p-Xylenes
Concen: 103.264 ug/l
RT: 12.46 min Scan# 1162
Delta R.T. 0.00 min
Lab File: VD060794.D
Acq: 28 Jan 2019 16:39

Tgt Ion: 106 Resp: 880948
Ion Ratio Lower Upper
106 100
91 250.6 200.5 300.7



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

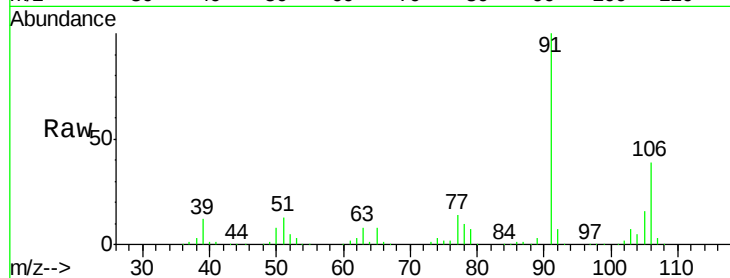




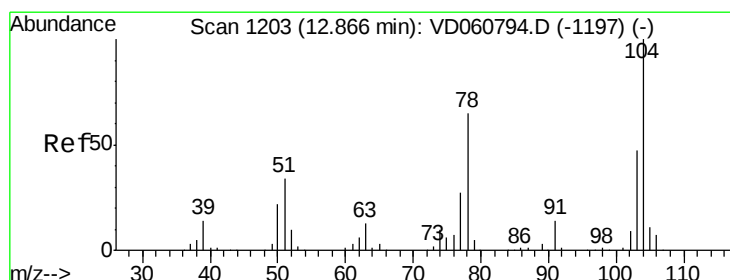
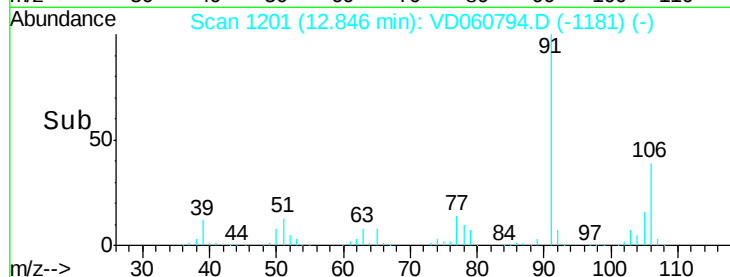
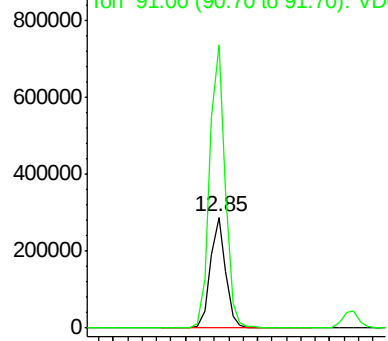
#69
o-Xylene
Concen: 50.574 ug/l
RT: 12.85 min Scan# 1201
Delta R.T. 0.00 min
Lab File: VD060794.D
Acq: 28 Jan 2019 16:39

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:106 Resp: 427023
Ion Ratio Lower Upper
106 100
91 255.1 127.6 382.7

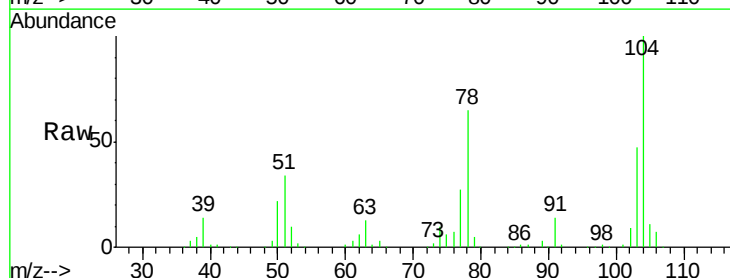


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

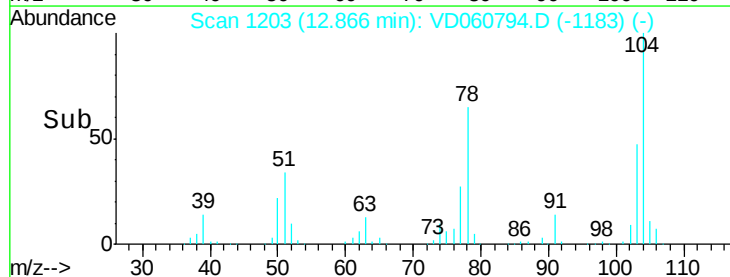
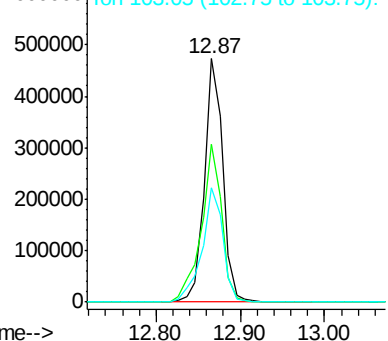


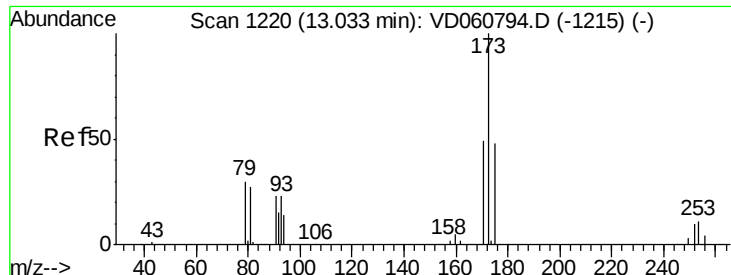
#70
Styrene
Concen: 50.312 ug/l
RT: 12.87 min Scan# 1203
Delta R.T. 0.00 min
Lab File: VD060794.D
Acq: 28 Jan 2019 16:39

Tgt Ion:104 Resp: 712372
Ion Ratio Lower Upper
104 100
78 65.0 52.0 78.0
103 47.1 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: 56.885 ug/l

RT: 13.03 min Scan# 1220

Delta R.T. 0.00 min

Lab File: VD060794.D

Acq: 28 Jan 2019 16:39

Instrument :

MSVOA_D

ClientSampleId :

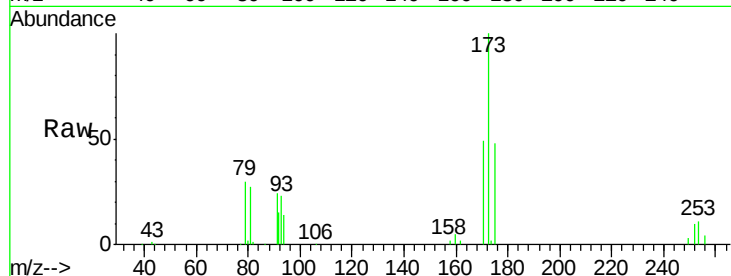
Tgt Ion:173 Resp: 268510

Ion Ratio Lower Upper

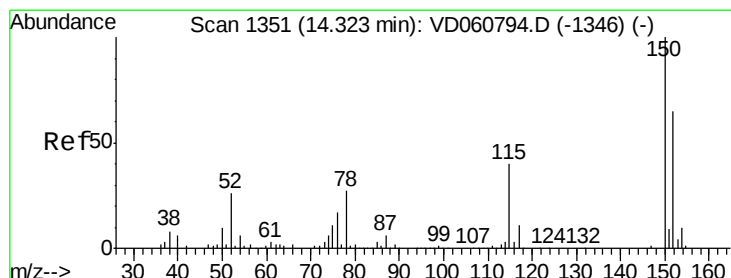
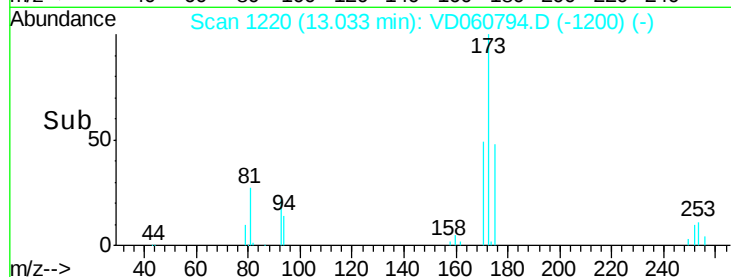
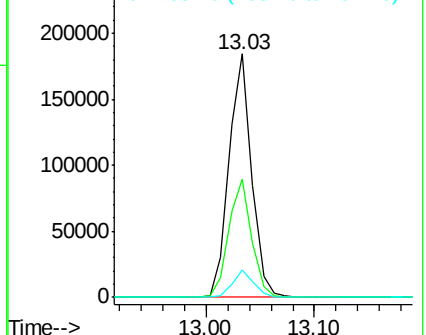
173 100

175 48.3 24.1 72.4

254 11.4 9.1 13.7



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.32 min Scan# 1351

Delta R.T. 0.00 min

Lab File: VD060794.D

Acq: 28 Jan 2019 16:39

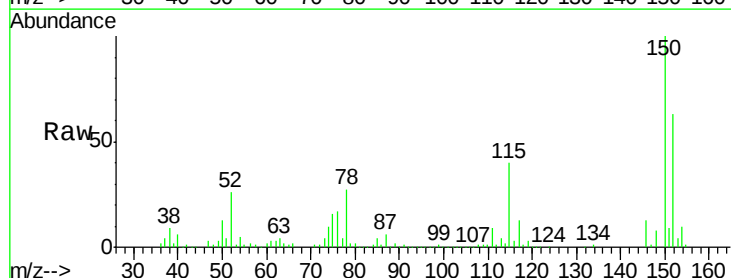
Tgt Ion:152 Resp: 334223

Ion Ratio Lower Upper

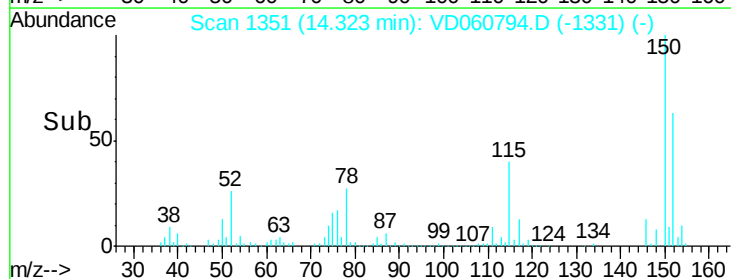
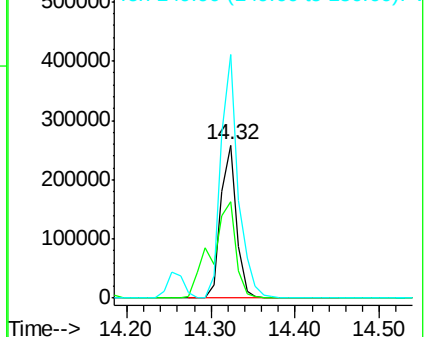
152 100

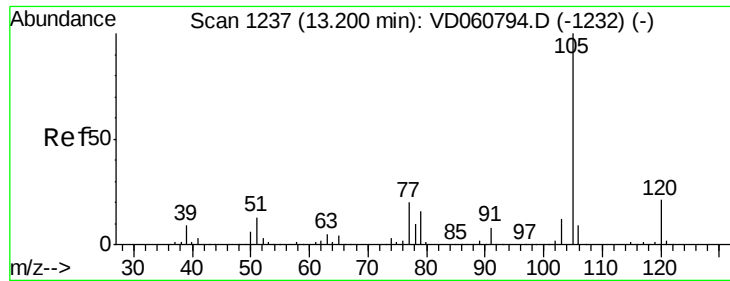
115 63.3 31.6 95.0

150 158.8 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: 52.164 ug/l

RT: 13.20 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VD060794.D

Acq: 28 Jan 2019 16:39

Instrument :

MSVOA_D

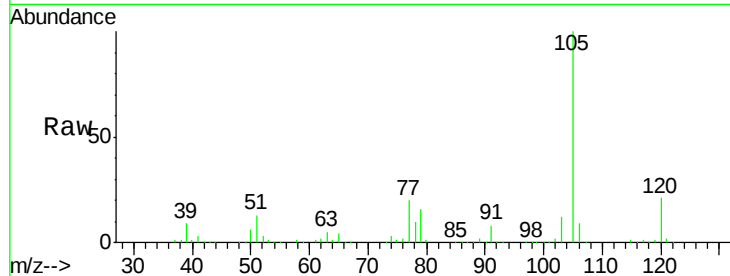
ClientSampleId :

Tgt Ion:105 Resp: 1390064

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

1000000

800000

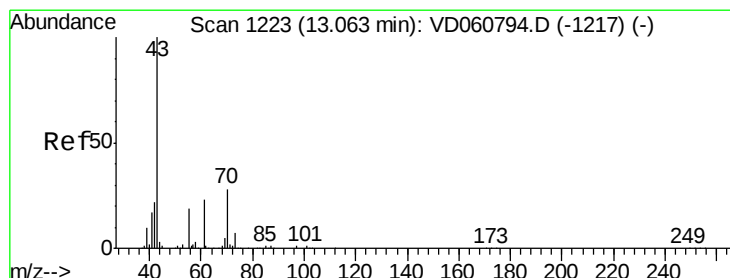
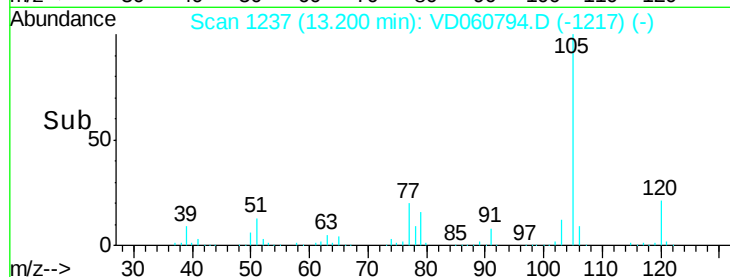
600000

400000

200000

0

Time--> 13.10 13.20 13.30



#74

N-ethyl acetate

Concen: 54.281 ug/l

RT: 13.06 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD060794.D

Acq: 28 Jan 2019 16:39

Tgt Ion: 43 Resp: 444683

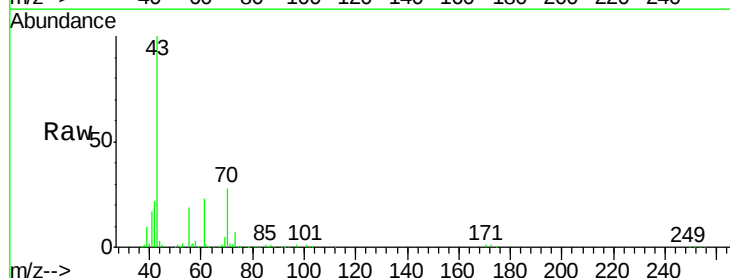
Ion Ratio Lower Upper

43 100

70 27.8 22.2 33.4

55 19.4 15.5 23.3

61 23.0 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

500000

400000

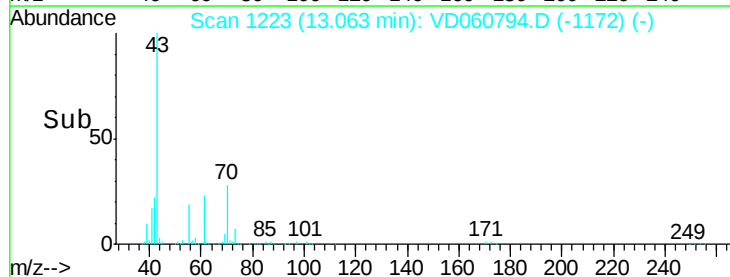
300000

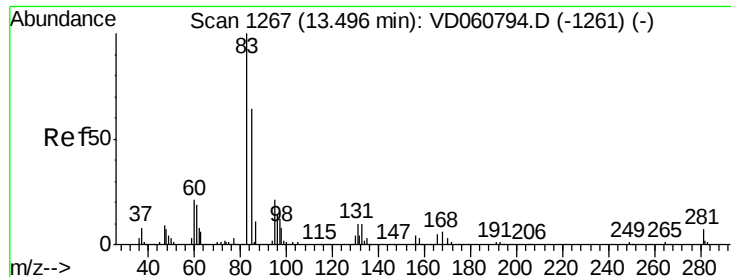
200000

100000

0

Time--> 13.00 13.10





#75

1,1,2,2-Tetrachloroethane

Concen: 53.913 ug/l

RT: 13.50 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VD060794.D

Acq: 28 Jan 2019 16:39

Instrument :

MSVOA_D

ClientSampleId :

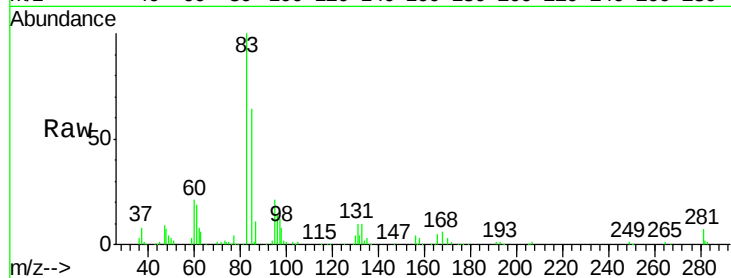
Tgt Ion: 83 Resp: 261587

Ion Ratio Lower Upper

83 100

131 10.0 5.0 15.0

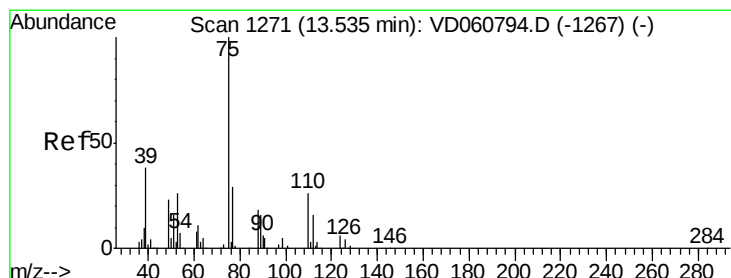
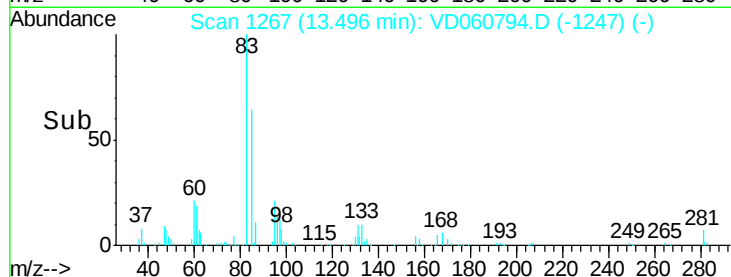
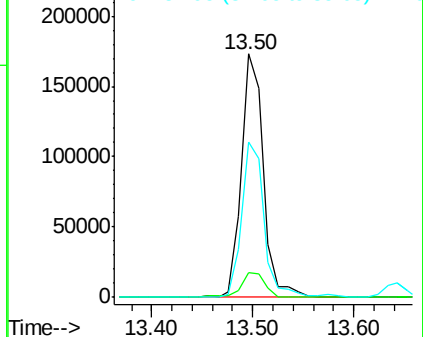
85 63.6 31.8 95.4



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: 53.889 ug/l

RT: 13.54 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VD060794.D

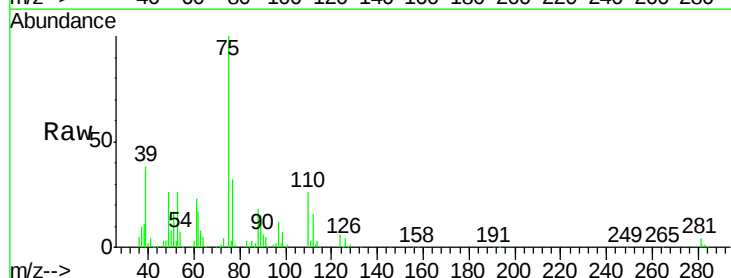
Acq: 28 Jan 2019 16:39

Tgt Ion: 75 Resp: 330277

Ion Ratio Lower Upper

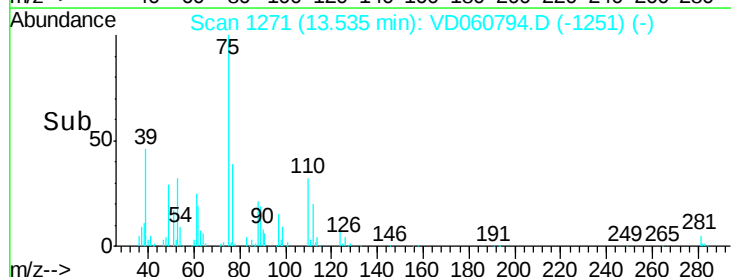
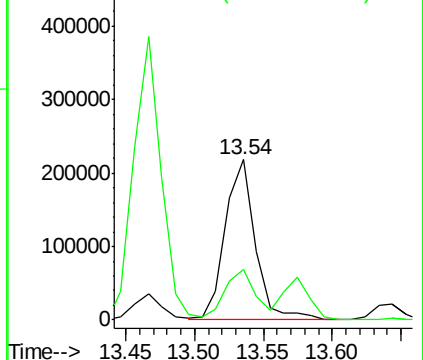
75 100

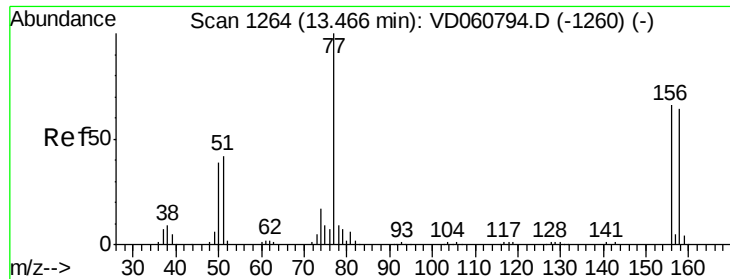
77 31.8 15.9 47.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 49.991 ug/l

RT: 13.47 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VD060794.D

Acq: 28 Jan 2019 16:39

Instrument :

MSVOA_D

ClientSampleId :

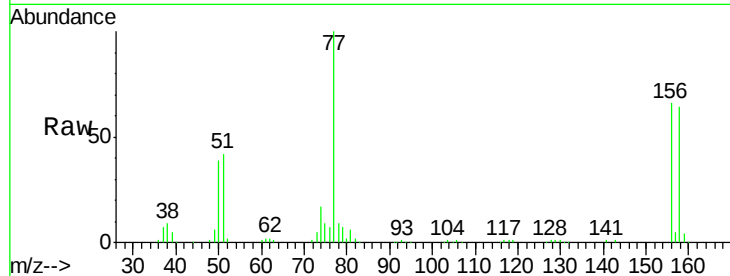
Tgt Ion:156 Resp: 342442

Ion Ratio Lower Upper

156 100

77 152.0 76.0 228.0

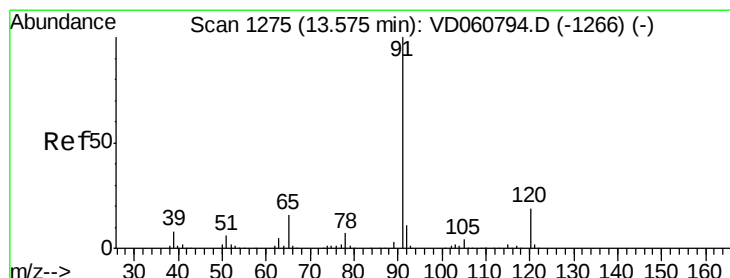
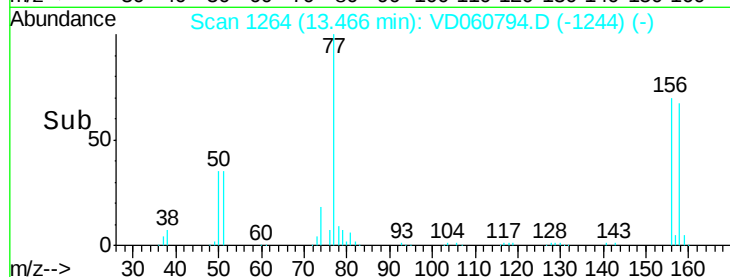
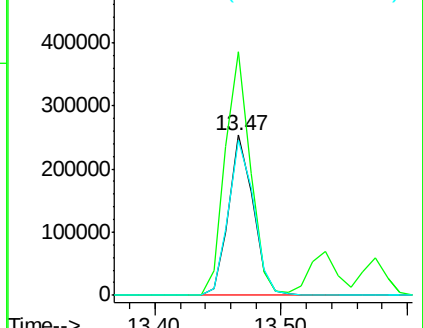
158 96.7 48.4 145.0



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: 49.722 ug/l

RT: 13.57 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VD060794.D

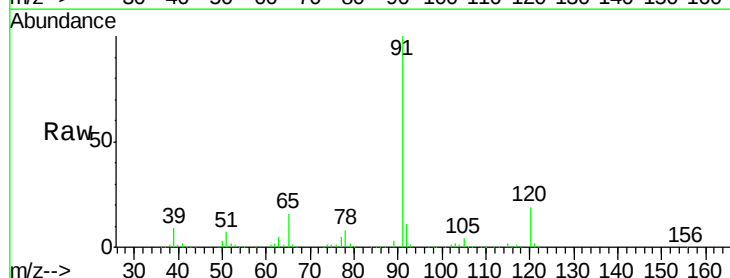
Acq: 28 Jan 2019 16:39

Tgt Ion: 91 Resp: 1663329

Ion Ratio Lower Upper

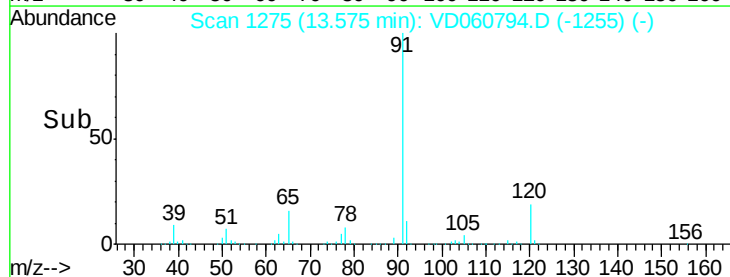
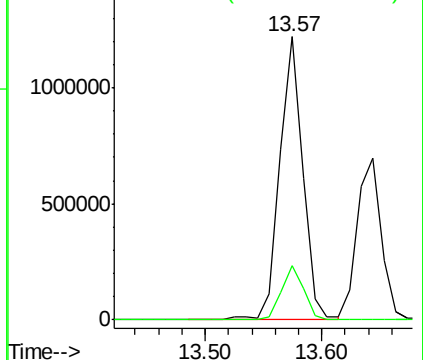
91 100

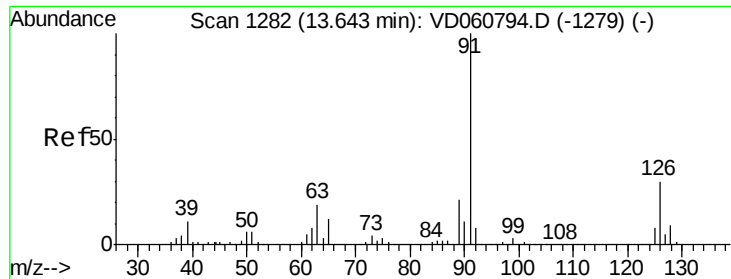
120 19.3 9.7 28.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

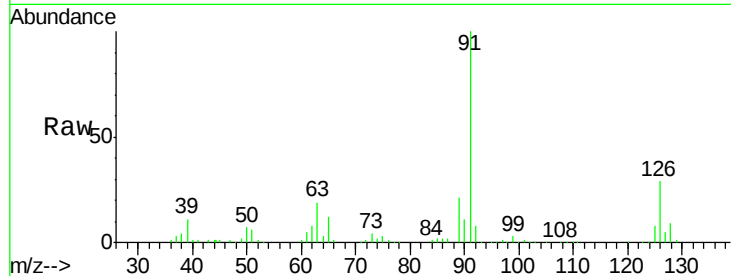




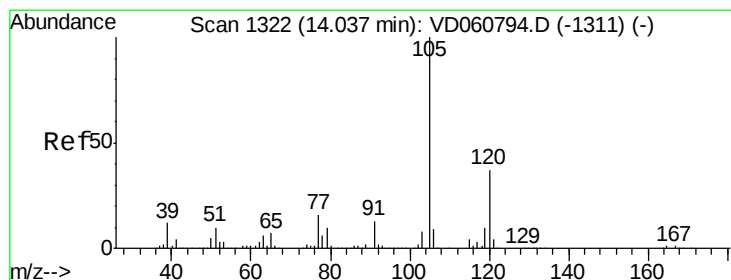
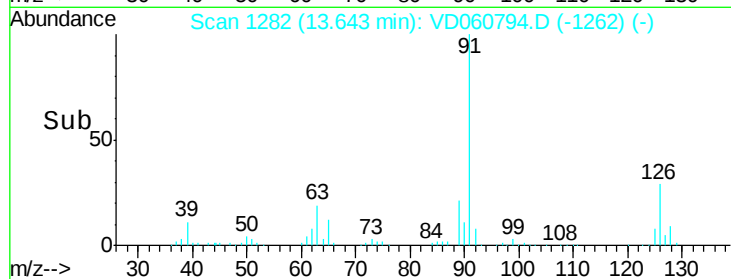
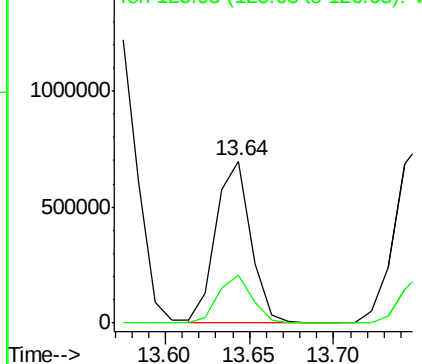
#79
 2-Chlorotoluene
 Concen: 49.151 ug/l
 RT: 13.64 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VD060794.D
 Acq: 28 Jan 2019 16:39

Instrument :
 MSVOA_D
 ClientSampleId :

Tgt Ion: 91 Resp: 1002866
 Ion Ratio Lower Upper
 91 100
 126 29.4 14.7 44.1

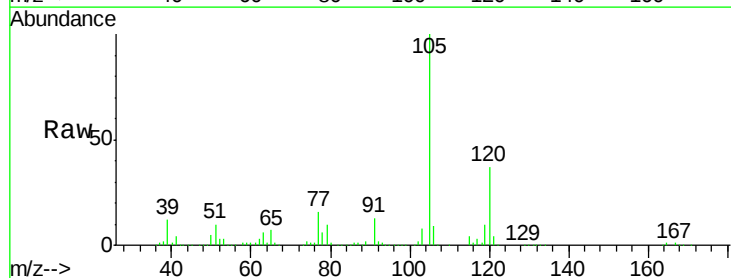


Abundance Ion 91.00 (90.70 to 91.70): VD060794.D (-1279) (-)
 Ion 125.95 (125.65 to 126.65): VD060794.D (-1279) (-)

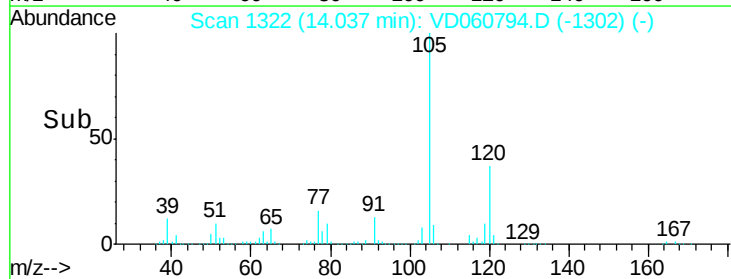
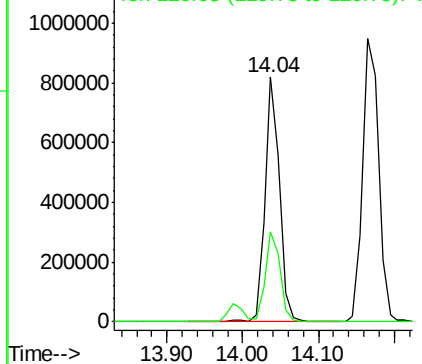


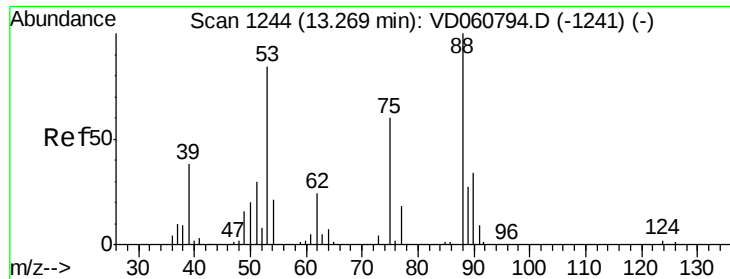
#80
 1,3,5-Trimethylbenzene
 Concen: 48.380 ug/l
 RT: 14.04 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VD060794.D
 Acq: 28 Jan 2019 16:39

Tgt Ion: 105 Resp: 1109873
 Ion Ratio Lower Upper
 105 100
 120 36.8 18.4 55.2



Abundance Ion 105.05 (104.75 to 105.75): VD060794.D (-1311) (-)
 Ion 120.05 (119.75 to 120.75): VD060794.D (-1311) (-)

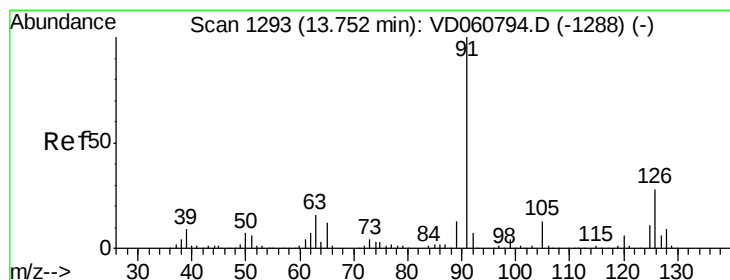
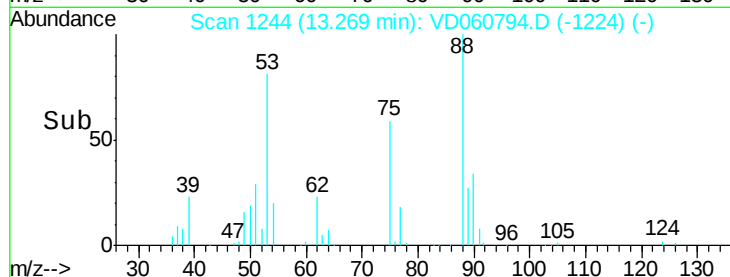
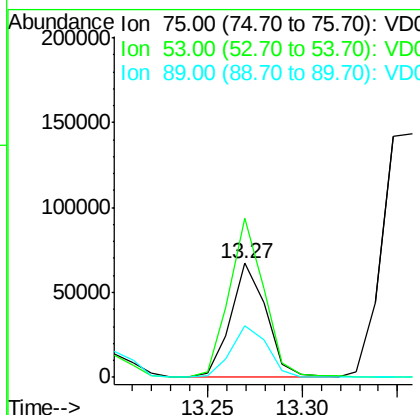
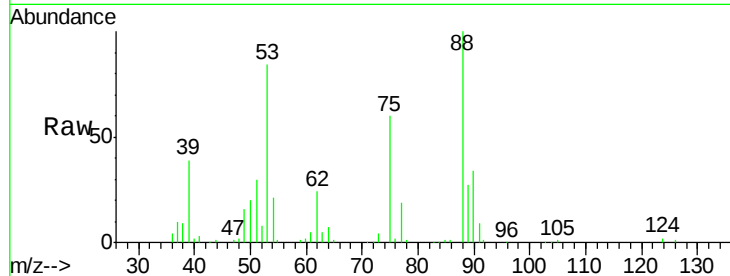




#81
 trans-1,4-Dichloro-2-butene
 Concen: 54.753 ug/l
 RT: 13.27 min Scan# 1244
 Delta R.T. 0.00 min
 Lab File: VD060794.D
 Acq: 28 Jan 2019 16:39

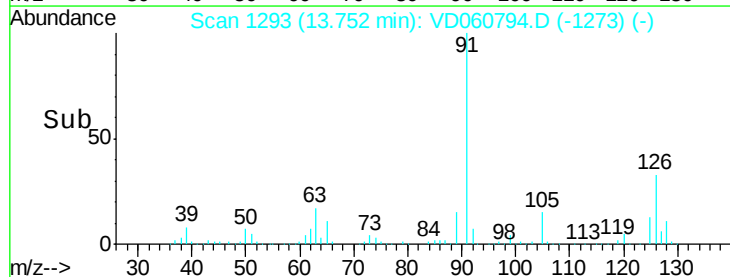
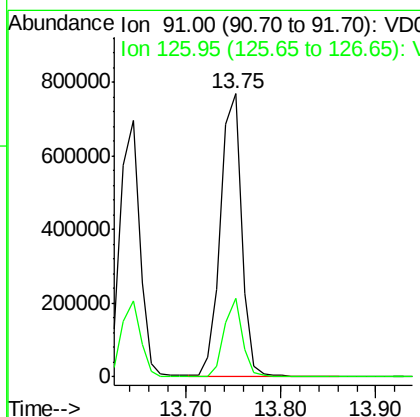
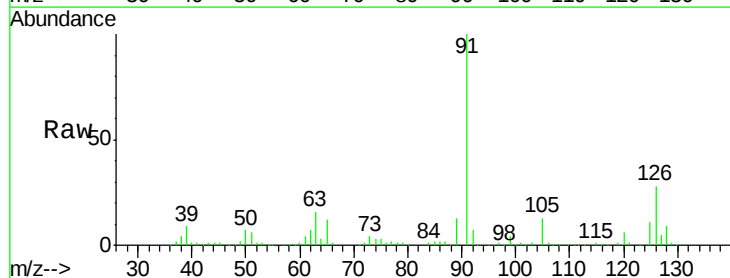
Instrument :
 MSVOA_D
 ClientSampled :

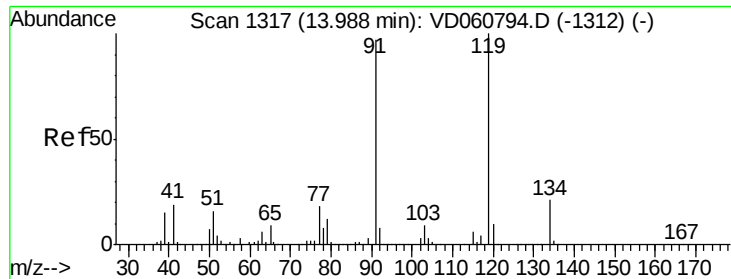
Tgt Ion: 75 Resp: 87487
 Ion Ratio Lower Upper
 75 100
 53 139.5 111.6 167.4
 89 44.9 35.9 53.9



#82
 4-Chlorotoluene
 Concen: 52.622 ug/l
 RT: 13.75 min Scan# 1293
 Delta R.T. 0.00 min
 Lab File: VD060794.D
 Acq: 28 Jan 2019 16:39

Tgt Ion: 91 Resp: 1193314
 Ion Ratio Lower Upper
 91 100
 126 27.8 13.9 41.7

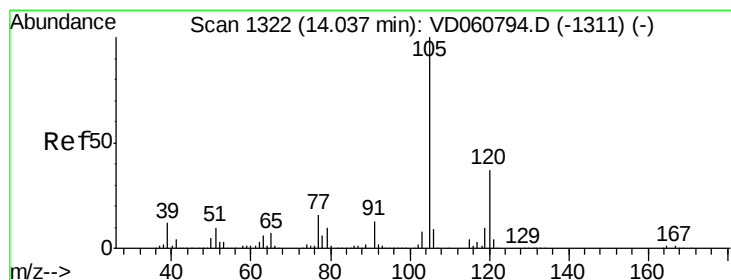
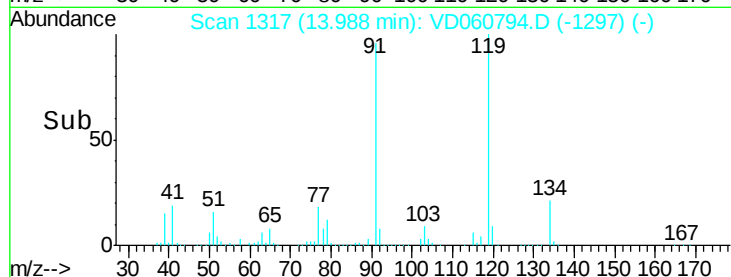
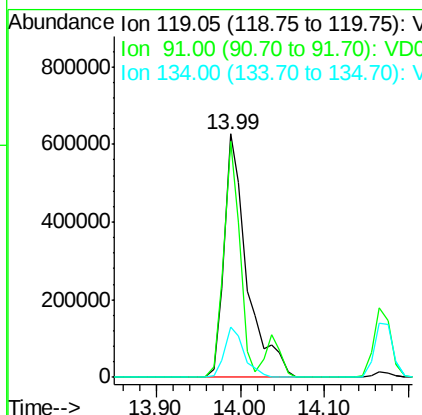
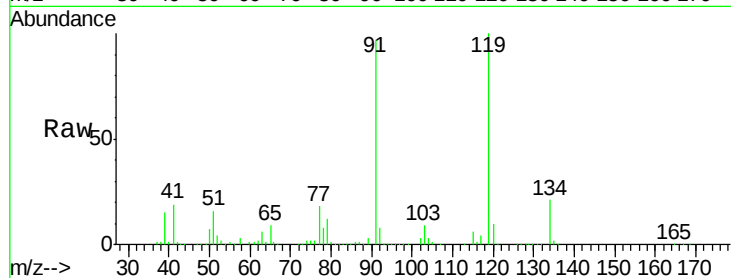




#83
 tert-Butylbenzene
 Concen: 49.258 ug/l
 RT: 13.99 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VD060794.D
 Acq: 28 Jan 2019 16:39

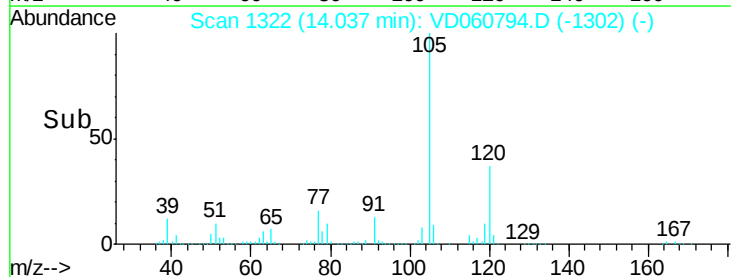
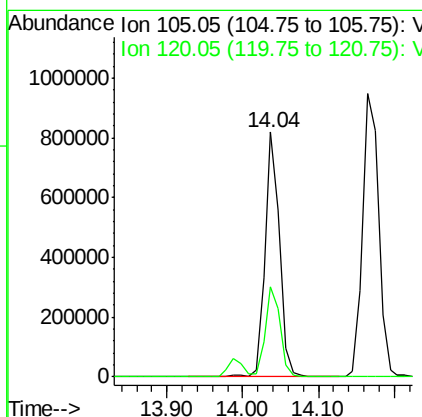
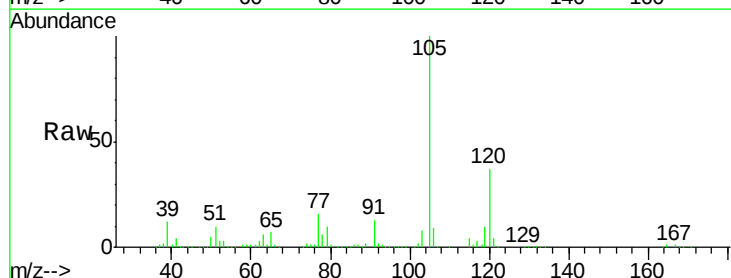
Instrument :
 MSVOA_D
 ClientSampleId :

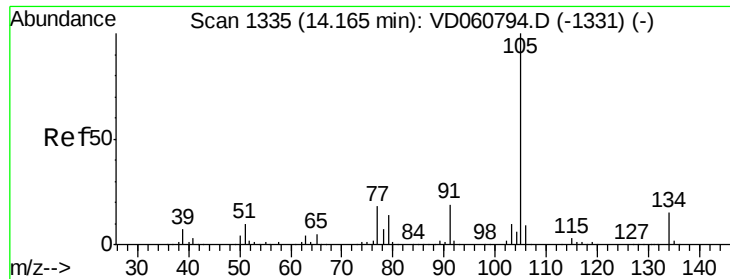
Tgt Ion:119 Resp: 1182250
 Ion Ratio Lower Upper
 119 100
 91 97.0 48.5 145.5
 134 20.5 10.3 30.8



#84
 1,2,4-Trimethylbenzene
 Concen: 48.380 ug/l
 RT: 14.04 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VD060794.D
 Acq: 28 Jan 2019 16:39

Tgt Ion:105 Resp: 1109873
 Ion Ratio Lower Upper
 105 100
 120 36.8 18.4 55.2

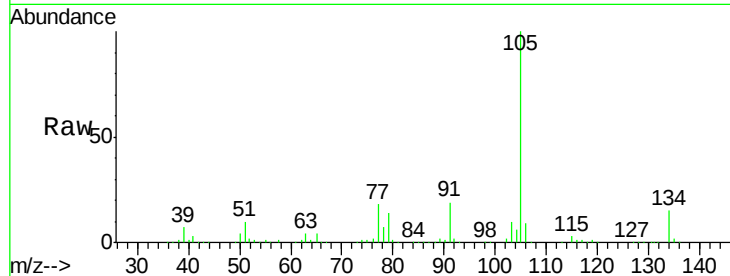




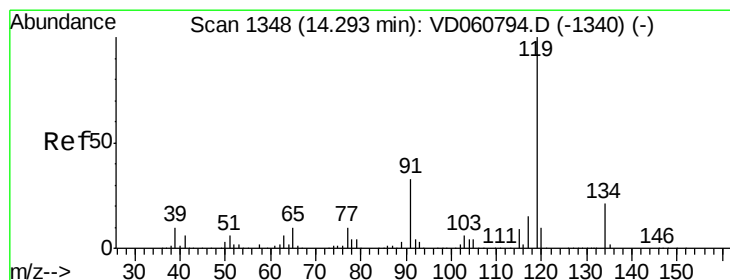
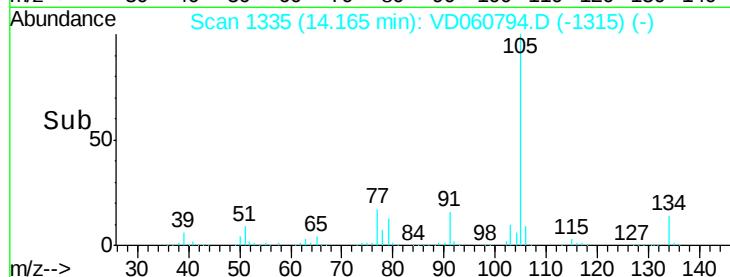
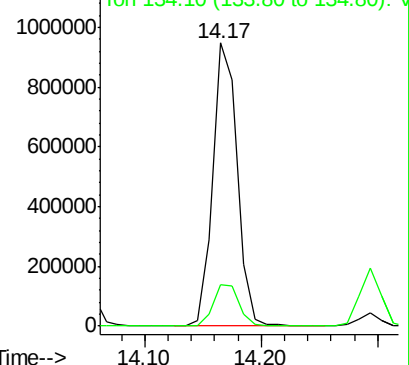
#85
 sec-Butylbenzene
 Concen: 50.143 ug/l
 RT: 14.17 min Scan# 1335
 Delta R.T. 0.00 min
 Lab File: VD060794.D
 Acq: 28 Jan 2019 16:39

Instrument :
 MSVOA_D
 ClientSampled :

Tgt Ion:105 Resp: 1369963
 Ion Ratio Lower Upper
 105 100
 134 14.8 7.4 22.2

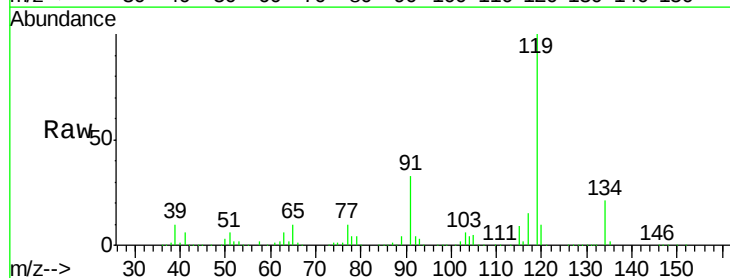


Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 134.10 (133.80 to 134.80): V

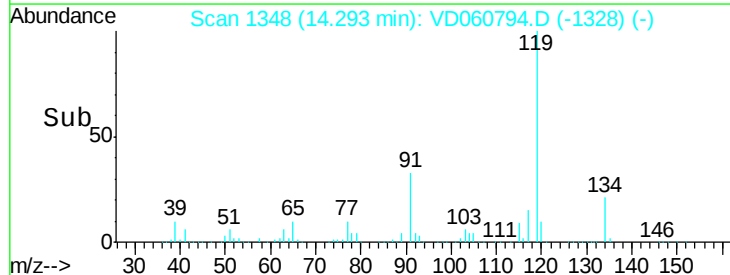
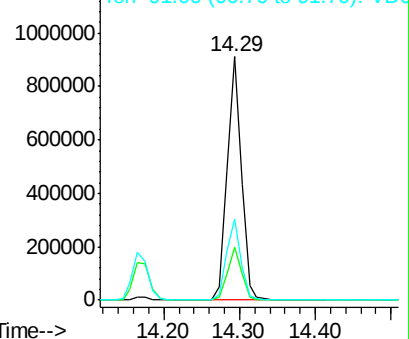


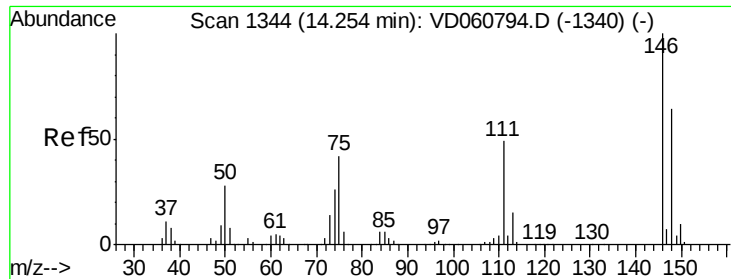
#86
 p-Isopropyltoluene
 Concen: 52.364 ug/l
 RT: 14.29 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VD060794.D
 Acq: 28 Jan 2019 16:39

Tgt Ion:119 Resp: 1161523
 Ion Ratio Lower Upper
 119 100
 134 21.5 10.8 32.3
 91 33.3 16.7 50.0



Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 134.10 (133.80 to 134.80): V
 Ion 91.00 (90.70 to 91.70): V

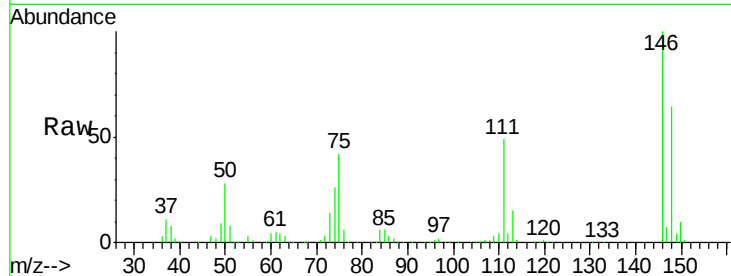




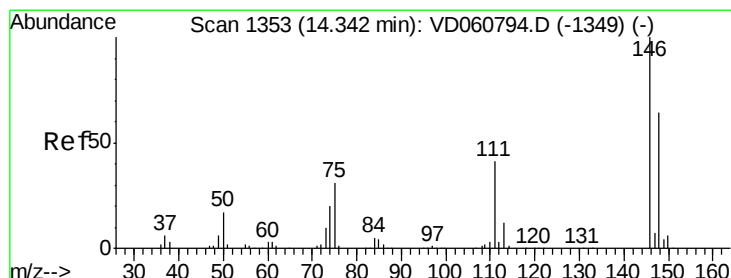
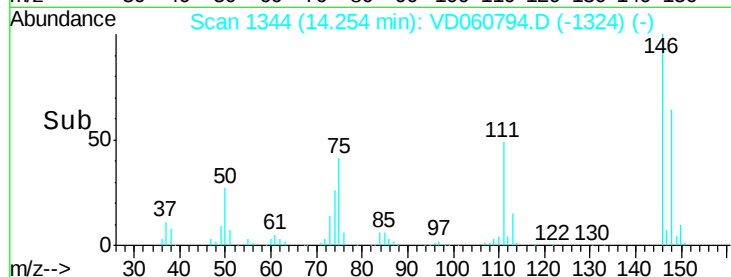
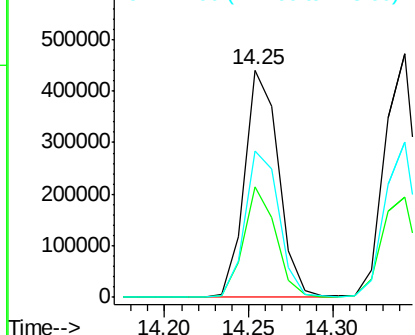
#87
 1,3-Dichlorobenzene
 Concen: 50.193 ug/l
 RT: 14.25 min Scan# 1344
 Delta R.T. 0.00 min
 Lab File: VD060794.D
 Acq: 28 Jan 2019 16:39

Instrument :
 MSVOA_D
 ClientSampleId :

Tgt Ion:146 Resp: 614972
 Ion Ratio Lower Upper
 146 100
 111 48.7 24.3 73.0
 148 64.3 32.1 96.5

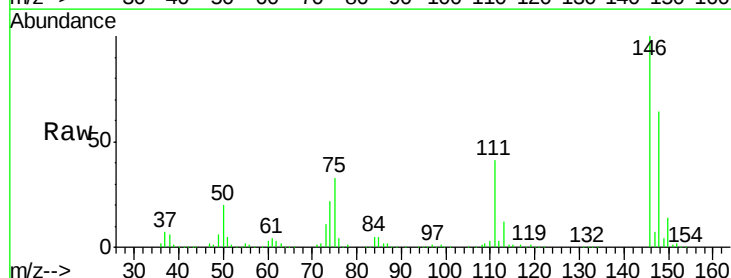


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

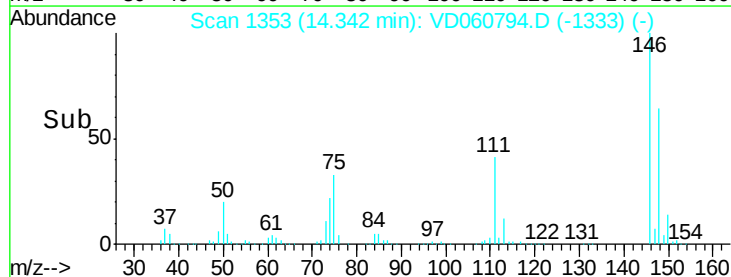
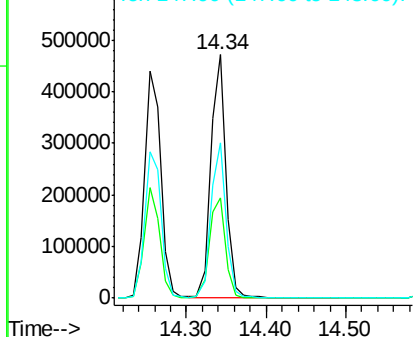


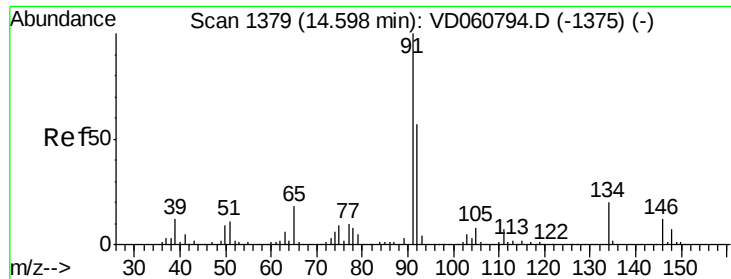
#88
 1,4-Dichlorobenzene
 Concen: 52.921 ug/l
 RT: 14.34 min Scan# 1353
 Delta R.T. 0.00 min
 Lab File: VD060794.D
 Acq: 28 Jan 2019 16:39

Tgt Ion:146 Resp: 629993
 Ion Ratio Lower Upper
 146 100
 111 41.2 20.6 61.8
 148 63.8 31.9 95.7



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

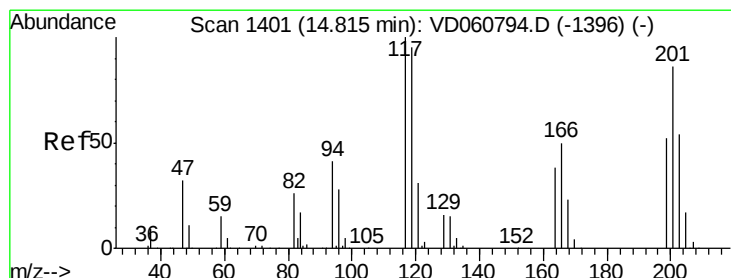
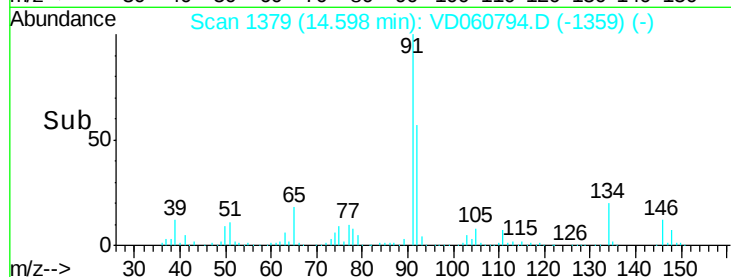
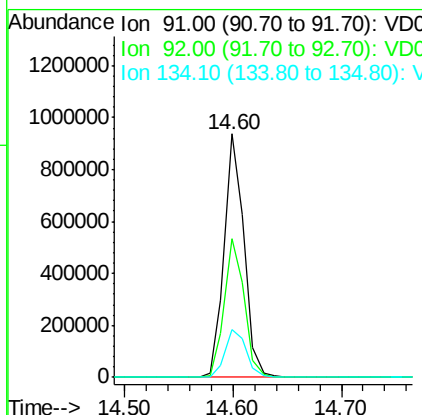
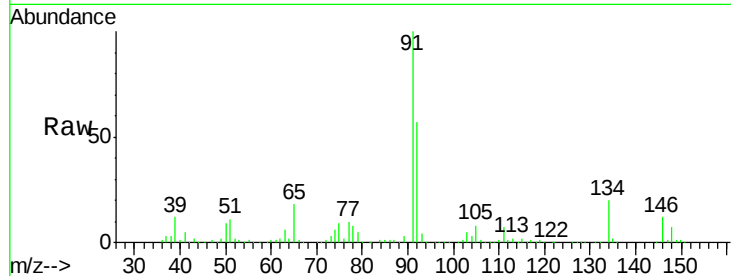




#89
n-Butylbenzene
Concen: 51.639 ug/l
RT: 14.60 min Scan# 1379
Delta R.T. 0.00 min
Lab File: VD060794.D
Acq: 28 Jan 2019 16:39

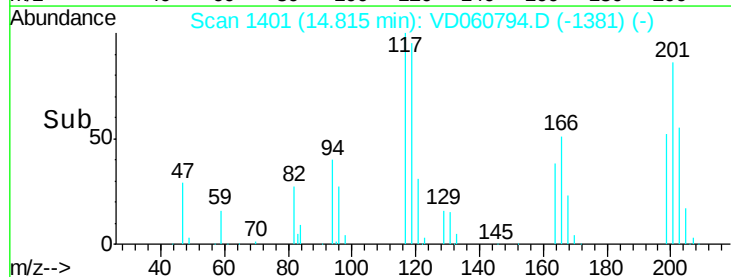
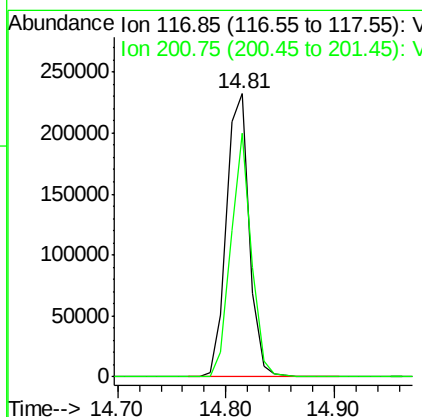
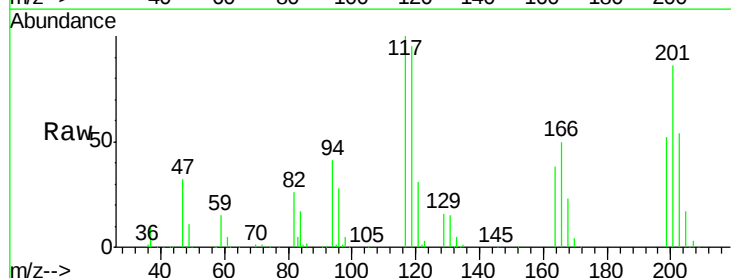
Instrument :
MSVOA_D
ClientSampleId :

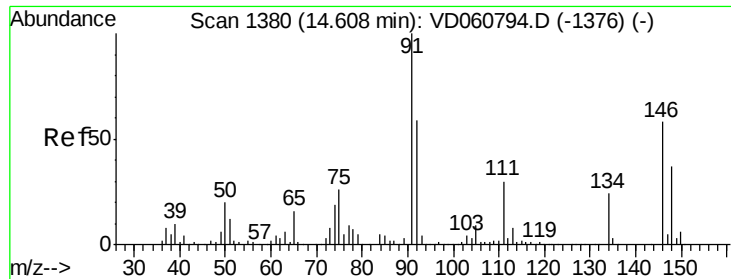
Tgt Ion: 91 Resp: 1195092
Ion Ratio Lower Upper
91 100
92 57.0 28.5 85.5
134 19.9 10.0 29.8



#90
Hexachloroethane
Concen: 51.824 ug/l
RT: 14.81 min Scan# 1401
Delta R.T. 0.00 min
Lab File: VD060794.D
Acq: 28 Jan 2019 16:39

Tgt Ion: 117 Resp: 342083
Ion Ratio Lower Upper
117 100
201 85.9 43.0 128.8

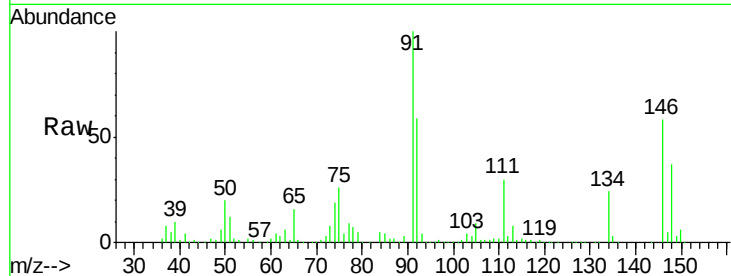




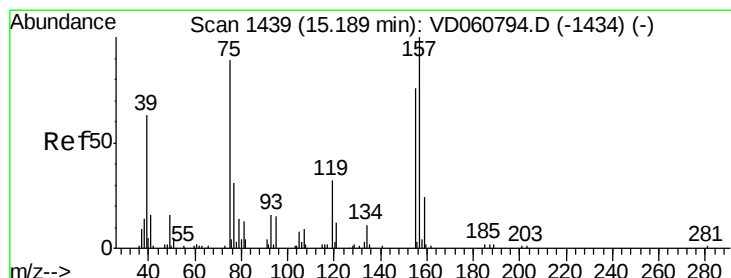
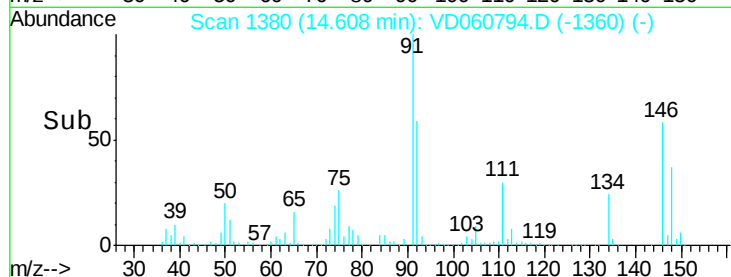
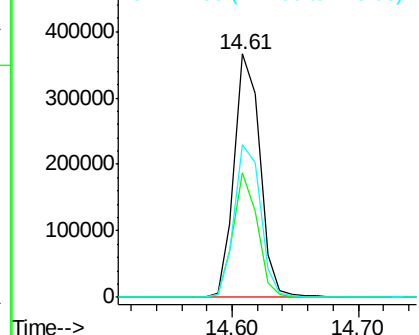
#91
 1,2-Dichlorobenzene
 Concen: 50.842 ug/l
 RT: 14.61 min Scan# 1380
 Delta R.T. 0.00 min
 Lab File: VD060794.D
 Acq: 28 Jan 2019 16:39

Instrument :
 MSVOA_D
 ClientSampled :

Tgt Ion: 146 Resp: 517053
 Ion Ratio Lower Upper
 146 100
 111 51.2 25.6 76.8
 148 62.9 31.4 94.3

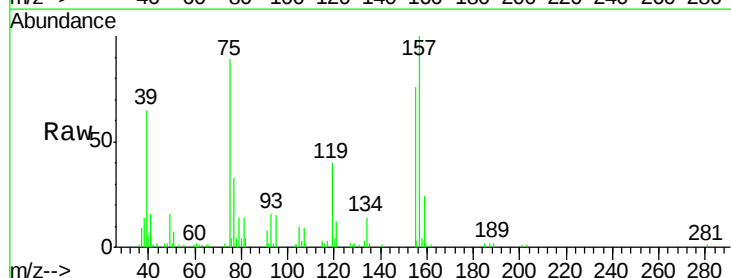


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

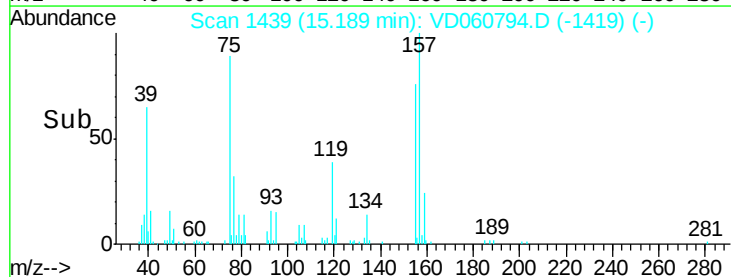
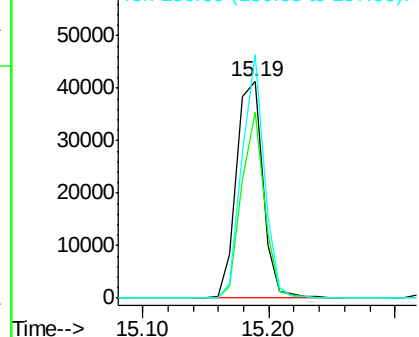


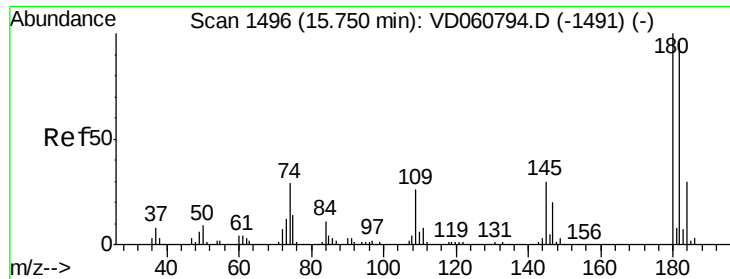
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.895 ug/l
 RT: 15.19 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: VD060794.D
 Acq: 28 Jan 2019 16:39

Tgt Ion: 75 Resp: 59821
 Ion Ratio Lower Upper
 75 100
 155 86.0 43.0 129.0
 157 112.6 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

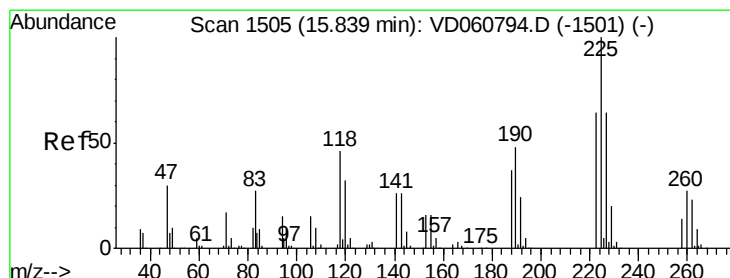
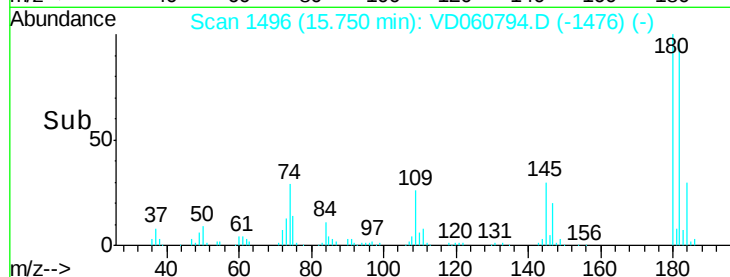
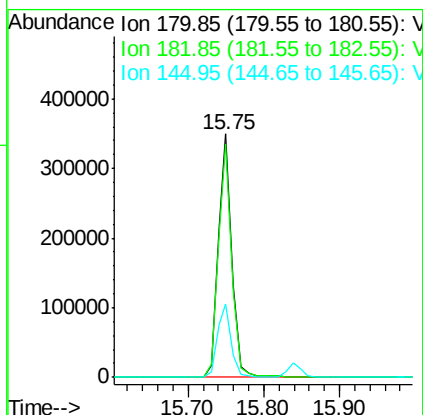
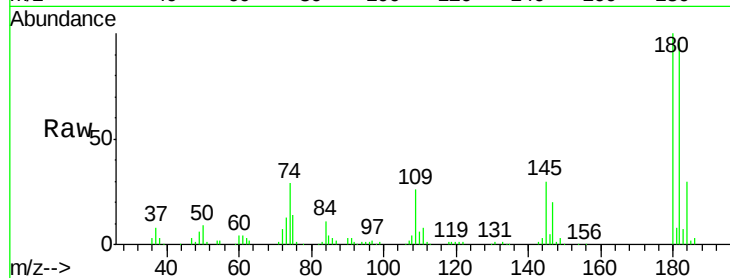




#93
 1,2,4-Trichlorobenzene
 Concen: 50.393 ug/l
 RT: 15.75 min Scan# 1496
 Delta R.T. 0.00 min
 Lab File: VD060794.D
 Acq: 28 Jan 2019 16:39

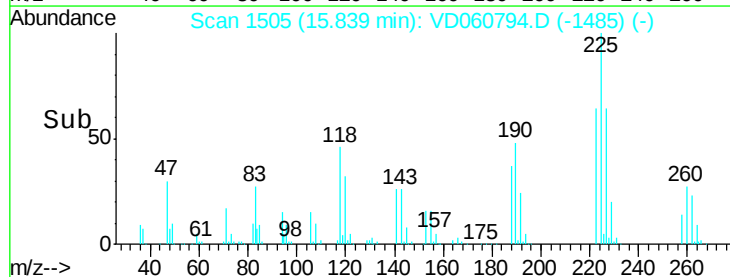
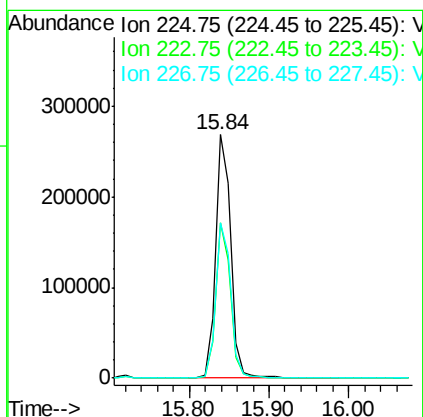
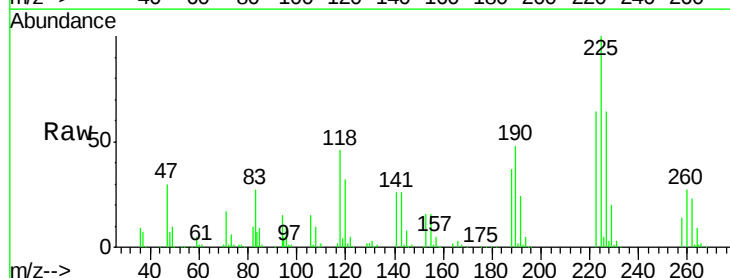
Instrument :
 MSVOA_D
 ClientSampleId :

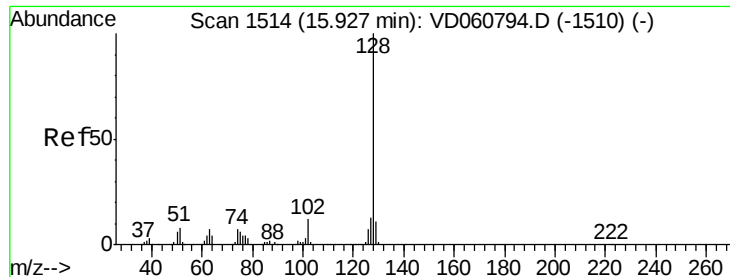
Tgt Ion:180 Resp: 443751
 Ion Ratio Lower Upper
 180 100
 182 95.8 47.9 143.7
 145 30.1 15.0 45.1



#94
 Hexachlorobutadiene
 Concen: 54.586 ug/l
 RT: 15.84 min Scan# 1505
 Delta R.T. 0.00 min
 Lab File: VD060794.D
 Acq: 28 Jan 2019 16:39

Tgt Ion:225 Resp: 360653
 Ion Ratio Lower Upper
 225 100
 223 63.6 31.8 95.4
 227 63.7 31.9 95.5

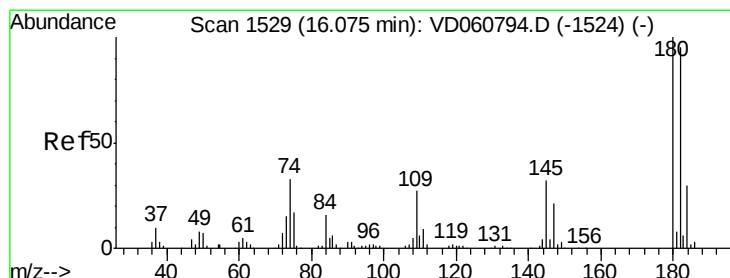
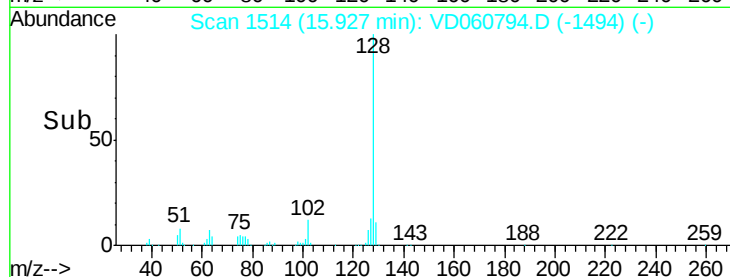
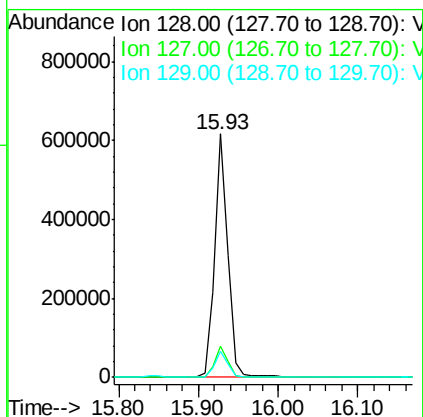
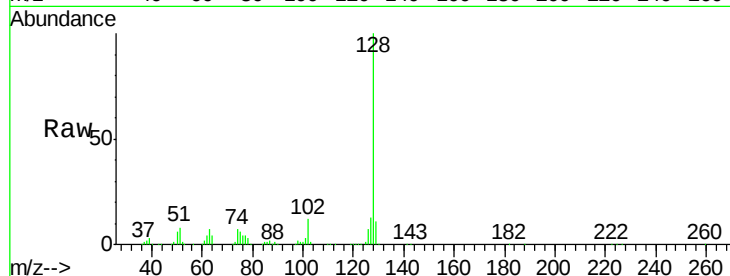




#95
Naphthalene
Concen: 53.404 ug/l
RT: 15.93 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VD060794.D
Acq: 28 Jan 2019 16:39

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 722538
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 51.155 ug/l
RT: 16.07 min Scan# 1529
Delta R.T. 0.00 min
Lab File: VD060794.D
Acq: 28 Jan 2019 16:39

Tgt Ion:180 Resp: 391698
Ion Ratio Lower Upper
180 100
182 94.9 47.4 142.3
145 31.6 15.8 47.4

