

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD012819\
 Data File : VD060792.D
 Acq On : 28 Jan 2019 15:42
 Operator : JC/SY
 Sample : VSTDIC010
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Quant Time: Jan 29 04:31:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 29 04:28:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.80	168	562560	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.98	114	833391	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.16	117	671485	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.32	152	343704	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.22	65	92264	12.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	24.66%	
35) Dibromofluoromethane	6.68	113	78457	10.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.96%	
50) Toluene-d8	10.19	98	188517	10.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.84%	
62) 4-Bromofluorobenzene	13.36	95	95572	10.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.66%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.59	85	59092	8.839 ug/l	94
3) Chloromethane	1.77	50	39426	9.947 ug/l #	85
4) Vinyl Chloride	1.86	62	41210	10.100 ug/l #	89
5) Bromomethane	2.15	94	17334	15.034 ug/l	91
6) Chloroethane	2.25	64	16380	12.905 ug/l #	86
7) Trichlorofluoromethane	2.50	101	85704	11.059 ug/l	86
8) Diethyl Ether	2.80	74	12017	10.834 ug/l	85
9) 1,1,2-Trichlorotrifluoroet	3.07	101	41668	10.735 ug/l	94
10) Methyl Iodide	3.22	142	38597	8.983 ug/l	92
11) Tert butyl alcohol	3.92	59	19913	49.104 ug/l	98
12) 1,1-Dichloroethene	3.05	96	28550	10.325 ug/l	95
13) Acrolein	2.97	56	10774	52.398 ug/l #	72
14) Allyl chloride	3.51	41	63685	10.294 ug/l	97
15) Acrylonitrile	4.06	53	48739	48.845 ug/l	94
16) Acetone	3.13	43	57379	51.134 ug/l	99
17) Carbon Disulfide	3.30	76	103377	10.889 ug/l	100
18) Methyl Acetate	3.53	43	21689	7.351 ug/l	97
19) Methyl tert-butyl Ether	4.08	73	130939	9.857 ug/l	98
20) Methylene Chloride	3.69	84	67510	10.440 ug/l	95
21) trans-1,2-Dichloroethene	4.06	96	54763	10.234 ug/l	94
22) Diisopropyl ether	4.90	45	173475	9.696 ug/l	94
23) Vinyl Acetate	4.84	43	515263	51.117 ug/l	100
24) 1,1-Dichloroethane	4.77	63	118896	10.494 ug/l	97
25) 2-Butanone	5.85	43	77312	48.346 ug/l	94
26) 2,2-Dichloropropane	5.80	77	119528	10.792 ug/l	97
27) cis-1,2-Dichloroethene	5.80	96	57006	9.934 ug/l	91
28) Bromochloromethane	6.21	49	45014	10.443 ug/l	88
29) Tetrahydrofuran	6.23	42	38330	48.655 ug/l	97
30) Chloroform	6.43	83	134398	10.442 ug/l	95
31) Cyclohexane	6.72	56	75366	9.195 ug/l	98
32) 1,1,1-Trichloroethane	6.63	97	129609	10.712 ug/l	93
36) 1,1-Dichloropropene	6.91	75	98729	9.782 ug/l	98
37) Ethyl Acetate	5.96	43	42672	9.497 ug/l #	94
38) Carbon Tetrachloride	6.88	117	115520	9.569 ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.63	83	78364	8.777	ug/l	96
40) Benzene	7.22	78	180792	8.713	ug/l	100
41) Methacrylonitrile	6.23	41	50983	17.269	ug/l #	94
42) 1,2-Dichloroethane	7.34	62	108596	10.116	ug/l	97
43) Isopropyl Acetate	9.01	43	49623	7.989	ug/l #	87
44) Trichloroethene	8.31	130	59553	8.604	ug/l	93
45) 1,2-Dichloropropane	8.71	63	49360	9.097	ug/l	92
46) Dibromomethane	8.83	93	37788	9.050	ug/l	99
47) Bromodichloromethane	9.14	83	95678	8.909	ug/l	99
48) Methyl methacrylate	8.89	41	35381	8.458	ug/l	97
49) 1,4-Dioxane	8.86	88	5054	143.175	ug/l #	89
51) 4-Methyl-2-Pentanone	10.08	43	163968	41.229	ug/l	99
52) Toluene	10.29	92	121846	9.642	ug/l	94
53) t-1,3-Dichloropropene	10.69	75	95062	9.839	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	91065	9.131	ug/l	97
55) 1,1,2-Trichloroethane	10.98	97	40175	9.013	ug/l	93
56) Ethyl methacrylate	10.83	69	48925	9.158	ug/l	91
57) 1,3-Dichloropropane	11.19	76	68375	9.355	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.63	63	137437	51.087	ug/l	99
59) 2-Hexanone	11.32	43	139062	46.216	ug/l	95
60) Dibromochloromethane	11.47	129	71506	9.671	ug/l	99
61) 1,2-Dibromoethane	11.60	107	48662	9.364	ug/l	98
64) Tetrachloroethene	11.03	164	59087	9.343	ug/l	98
65) Chlorobenzene	12.19	112	149317	9.995	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.30	131	65012	10.211	ug/l	93
67) Ethyl Benzene	12.31	91	274328	10.262	ug/l	100
68) m/p-Xylenes	12.46	106	171300	18.970	ug/l	98
69) o-Xylene	12.85	106	88632	10.390	ug/l	94
70) Styrene	12.87	104	147975	8.383	ug/l	100
71) Bromoform	13.03	173	42302	8.612	ug/l	99
73) Isopropylbenzene	13.20	105	271770	10.198	ug/l	98
74) N-amyl acetate	13.06	43	75986	8.829	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.50	83	43610	8.646	ug/l	94
76) 1,2,3-Trichloropropane	13.54	75	58091	9.704	ug/l	98
77) Bromobenzene	13.47	156	69275	10.034	ug/l	92
78) n-propylbenzene	13.57	91	324825	9.815	ug/l	99
79) 2-Chlorotoluene	13.64	91	198947	10.159	ug/l	99
80) 1,3,5-Trimethylbenzene	14.04	105	220770	9.867	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.27	75	14031	8.574	ug/l	94
82) 4-Chlorotoluene	13.74	91	213880	9.139	ug/l	88
83) tert-Butylbenzene	13.99	119	222733	9.317	ug/l	98
84) 1,2,4-Trimethylbenzene	14.04	105	220770	9.867	ug/l	100
85) sec-Butylbenzene	14.17	105	280491	10.369	ug/l	97
86) p-Isopropyltoluene	14.29	119	234656	10.171	ug/l	96
87) 1,3-Dichlorobenzene	14.25	146	119209	9.738	ug/l	97
88) 1,4-Dichlorobenzene	14.34	146	121560	9.870	ug/l	99
89) n-Butylbenzene	14.60	91	239138	10.372	ug/l	98
90) Hexachloroethane	14.81	117	64949	10.146	ug/l	98
91) 1,2-Dichlorobenzene	14.61	146	104446	8.137	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.18	75	10044	8.844	ug/l #	48

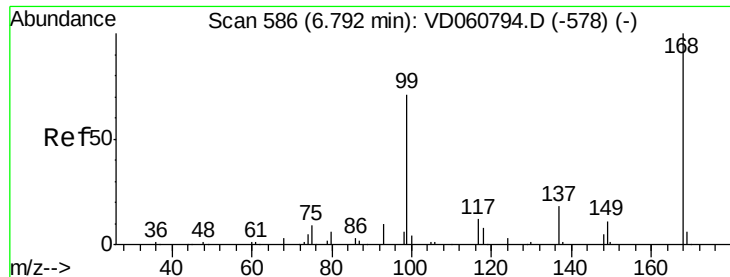
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD012819\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.75	180	87649	9.479	ug/l	97
94) Hexachlorobutadiene	15.84	225	64577	9.457	ug/l	97
95) Naphthalene	15.93	128	114299	8.068	ug/l	98
96) 1,2,3-Trichlorobenzene	16.07	180	77855	9.905	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.80 min Scan# 587

Delta R.T. 0.01 min

Lab File: VD060792.D

Acq: 28 Jan 2019 15:42

Instrument :

MSVOA_D

ClientSampleId :

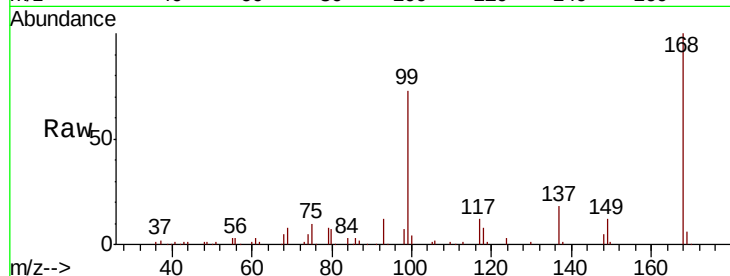
VSTDIC010

Tgt Ion: 168 Resp: 562560

Ion Ratio Lower Upper

168 100

99 73.3 59.2 88.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.80

150000

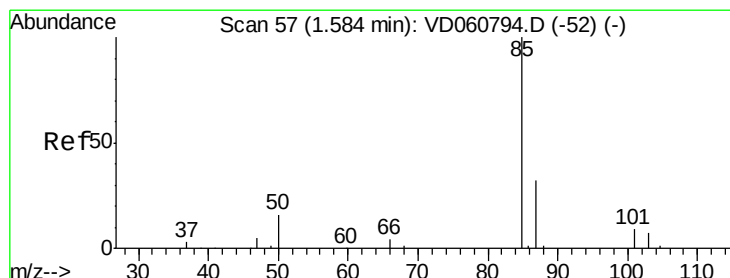
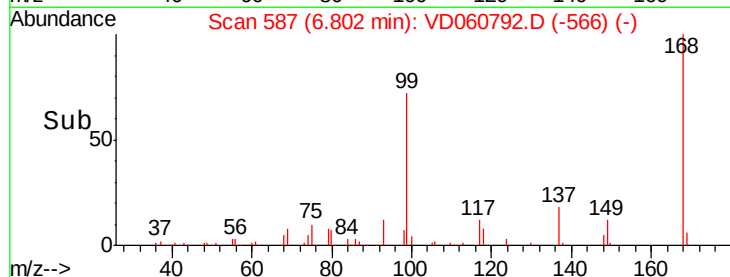
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50000

0

6.70 6.80 6.90 7.00

Time-->



#2

Dichlorodifluoromethane

Concen: 8.839 ug/l

RT: 1.59 min Scan# 58

Delta R.T. 0.01 min

Lab File: VD060792.D

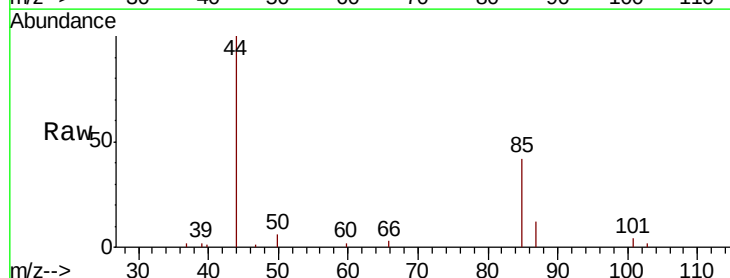
Acq: 28 Jan 2019 15:42

Tgt Ion: 85 Resp: 59092

Ion Ratio Lower Upper

85 100

87 28.9 16.2 48.5



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.59

15000

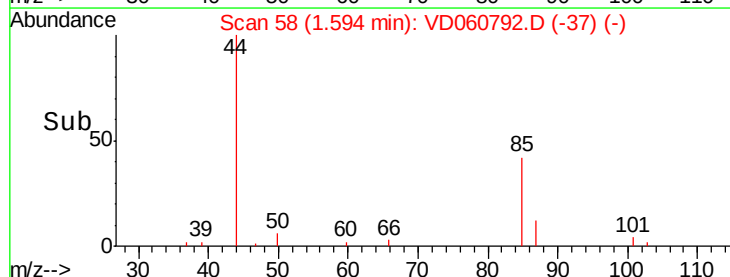
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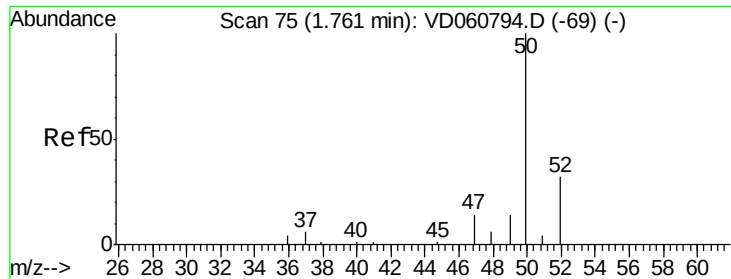
5000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 9.947 ug/l

RT: 1.77 min Scan# 76

Delta R.T. 0.01 min

Lab File: VD060792.D

Acq: 28 Jan 2019 15:42

Instrument :

MSVOA_D

ClientSampleId :

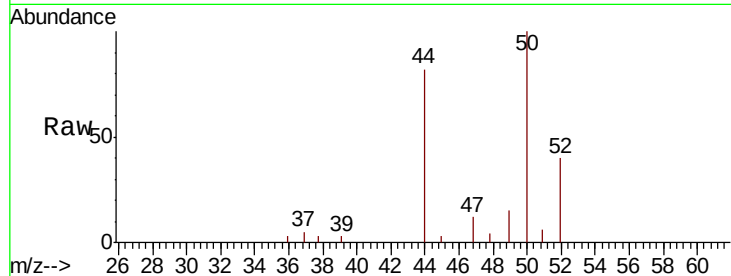
VSTDIC010

Tgt Ion: 50 Resp: 39426

Ion Ratio Lower Upper

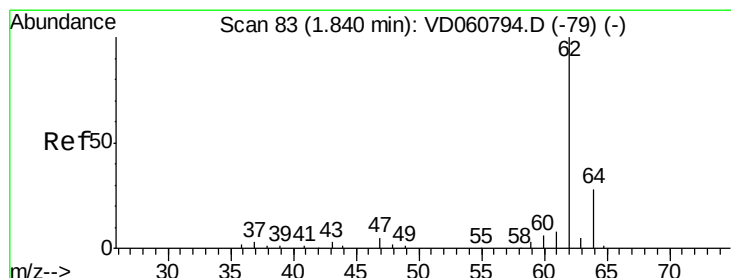
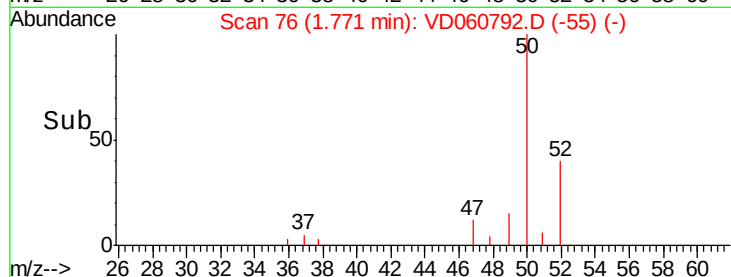
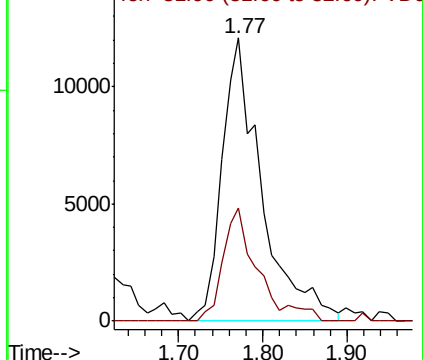
50 100

52 40.0 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: 10.100 ug/l

RT: 1.86 min Scan# 85

Delta R.T. 0.02 min

Lab File: VD060792.D

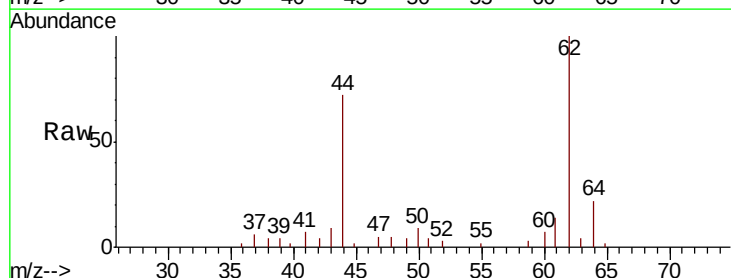
Acq: 28 Jan 2019 15:42

Tgt Ion: 62 Resp: 41210

Ion Ratio Lower Upper

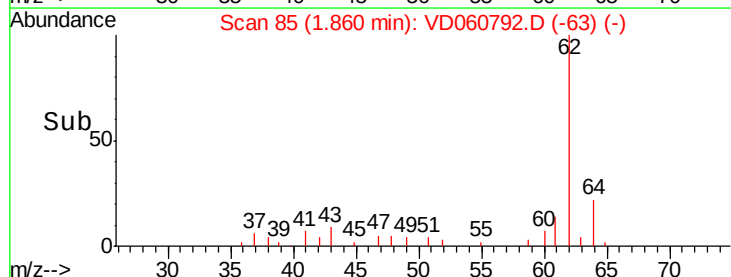
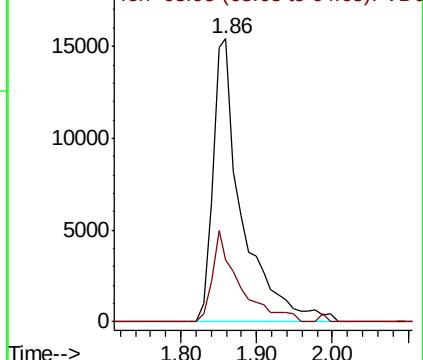
62 100

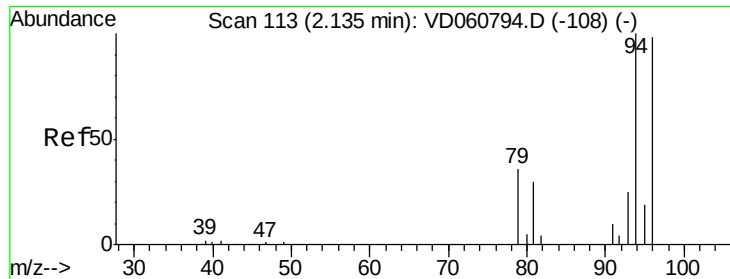
64 21.8 22.1 33.1#



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

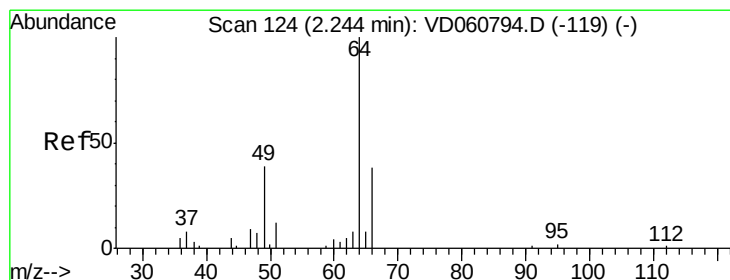
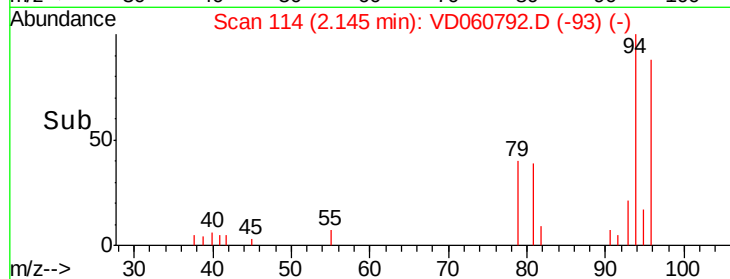
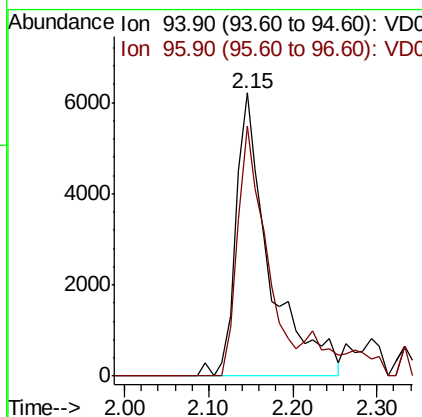
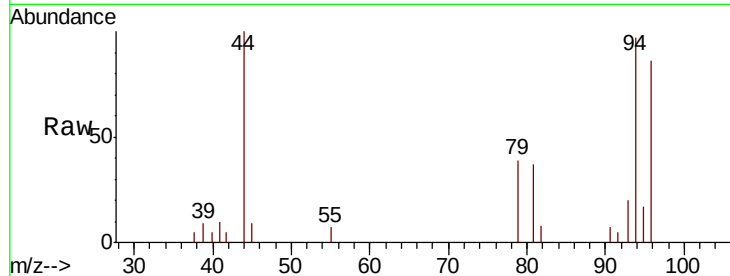




#5
Bromomethane
Concen: 15.034 ug/l
RT: 2.15 min Scan# 114
Delta R.T. 0.01 min
Lab File: VD060792.D
Acq: 28 Jan 2019 15:42

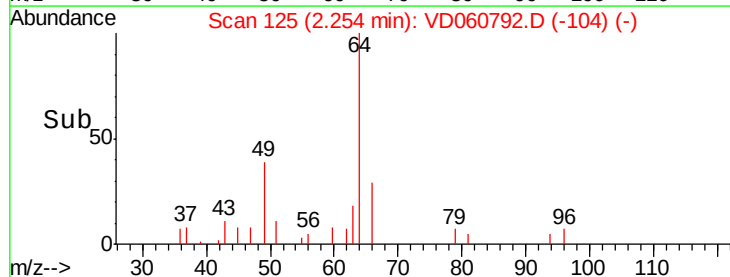
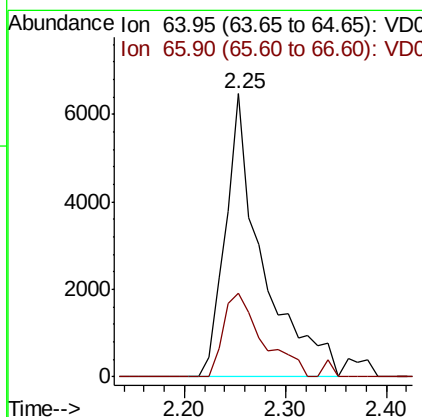
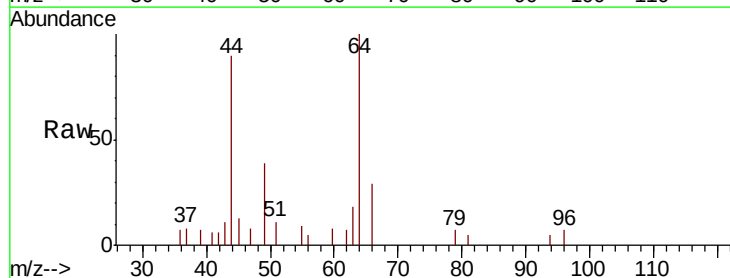
Instrument :
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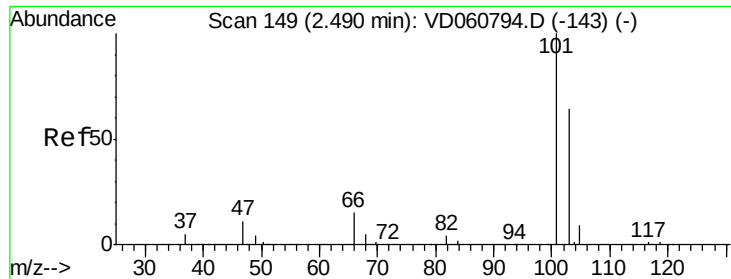
Tgt Ion: 94 Resp: 17334
Ion Ratio Lower Upper
94 100
96 88.3 78.0 117.0



#6
Chloroethane
Concen: 12.905 ug/l
RT: 2.25 min Scan# 125
Delta R.T. 0.01 min
Lab File: VD060792.D
Acq: 28 Jan 2019 15:42

Tgt Ion: 64 Resp: 16380
Ion Ratio Lower Upper
64 100
66 29.4 30.2 45.4#



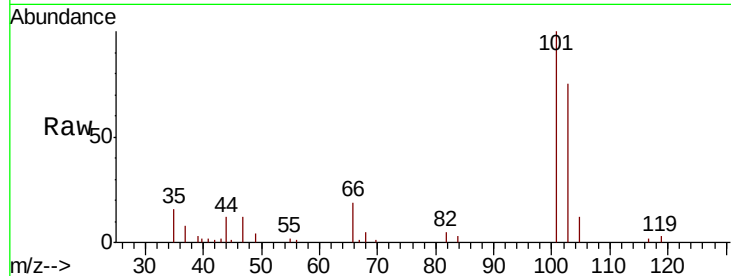


#7

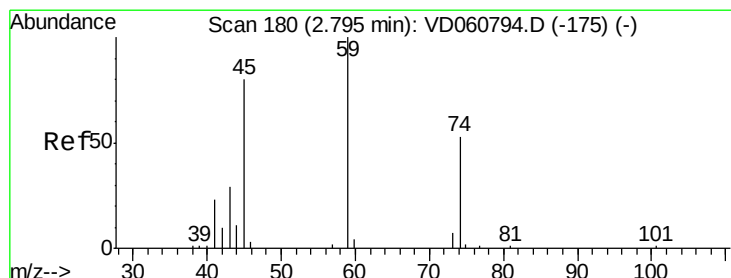
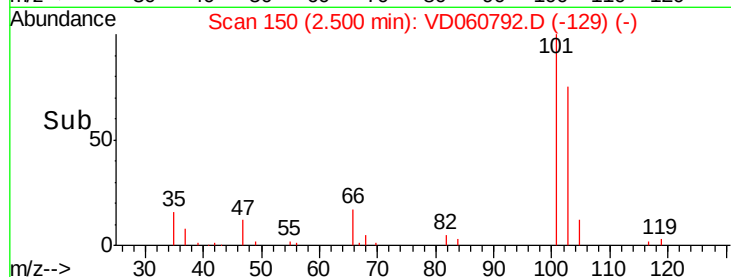
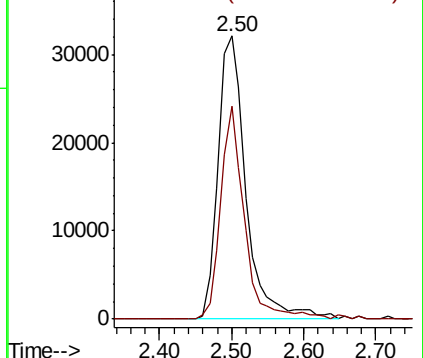
Trichlorofluoromethane
 Concen: 11.059 ug/l
 RT: 2.50 min Scan# 150
 Delta R.T. 0.01 min
 Lab File: VD060792.D
 Acq: 28 Jan 2019 15:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tgt Ion: 101 Resp: 85704
 Ion Ratio Lower Upper
 101 100
 103 75.2 51.3 76.9



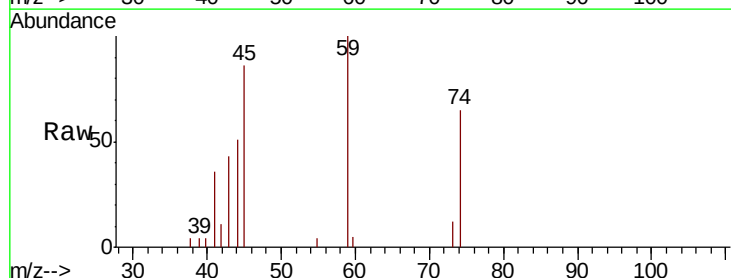
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



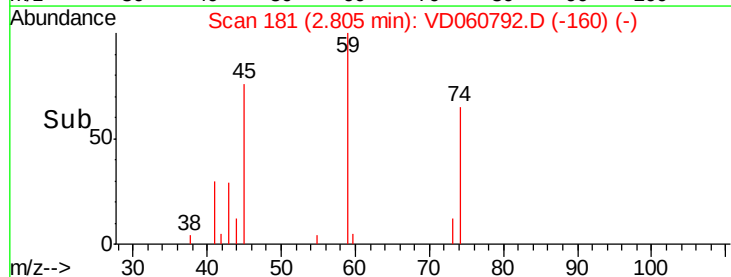
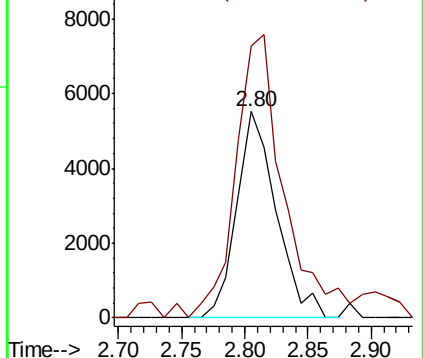
#8

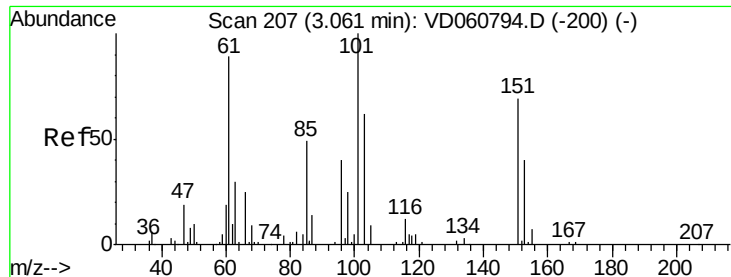
Diethyl Ether
 Concen: 10.834 ug/l
 RT: 2.80 min Scan# 181
 Delta R.T. 0.01 min
 Lab File: VD060792.D
 Acq: 28 Jan 2019 15:42

Tgt Ion: 74 Resp: 12017
 Ion Ratio Lower Upper
 74 100
 45 132.2 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: 10.735 ug/l

RT: 3.07 min Scan# 208

Delta R.T. 0.01 min

Lab File: VD060792.D

Acq: 28 Jan 2019 15:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

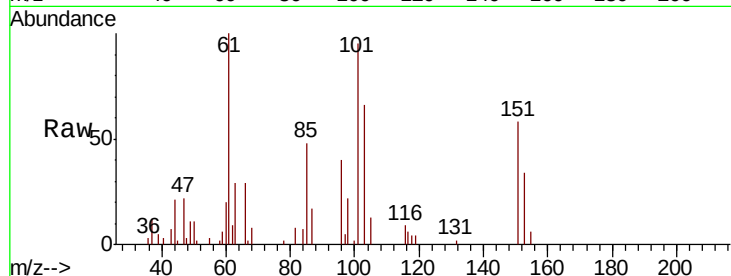
Tgt Ion:101 Resp: 41668

Ion Ratio Lower Upper

101 100

85 49.9 39.3 58.9

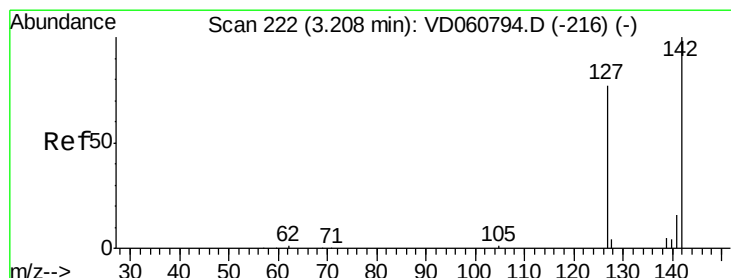
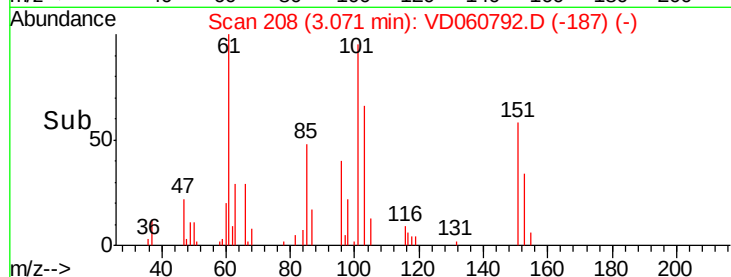
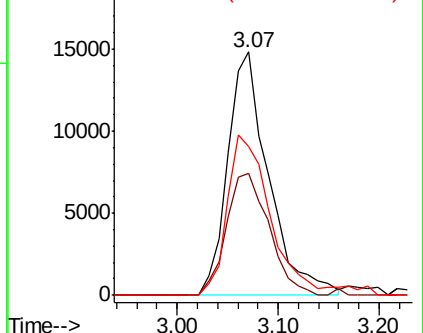
151 61.3 55.1 82.7



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 8.983 ug/l

RT: 3.22 min Scan# 223

Delta R.T. 0.01 min

Lab File: VD060792.D

Acq: 28 Jan 2019 15:42

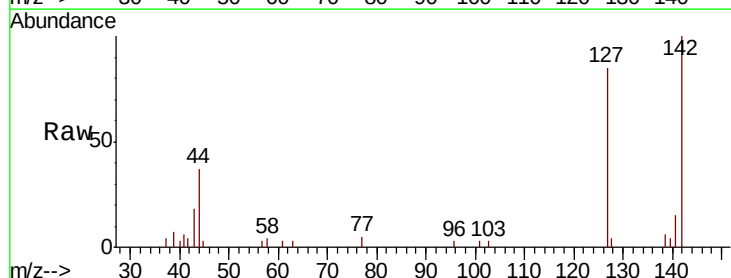
Tgt Ion:142 Resp: 38597

Ion Ratio Lower Upper

142 100

127 85.0 61.6 92.4

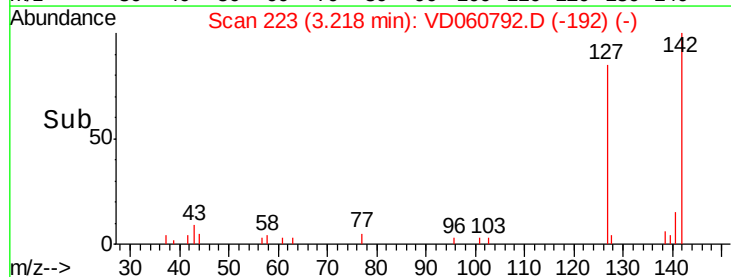
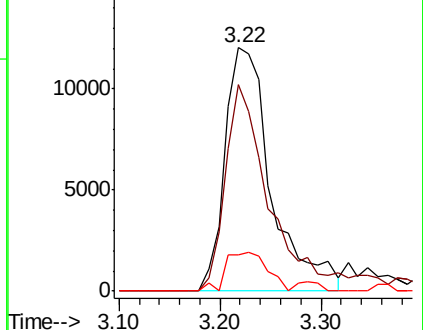
141 15.1 12.5 18.7

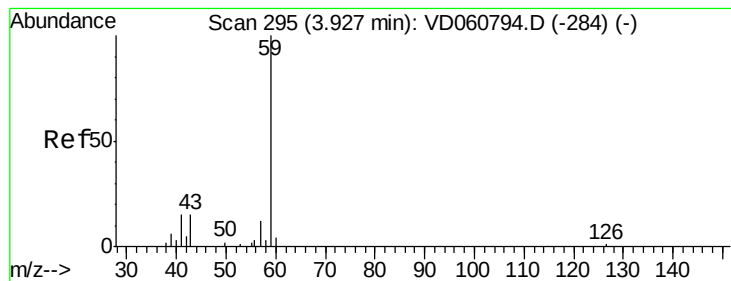


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 49.104 ug/l

RT: 3.92 min Scan# 294

Delta R.T. -0.01 min

Lab File: VD060792.D

Acq: 28 Jan 2019 15:42

Instrument :

MSVOA_D

ClientSampleId :

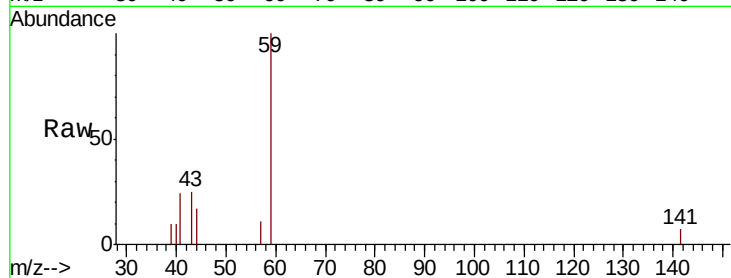
VSTDIC010

Tgt Ion: 59 Resp: 19913

Ion Ratio Lower Upper

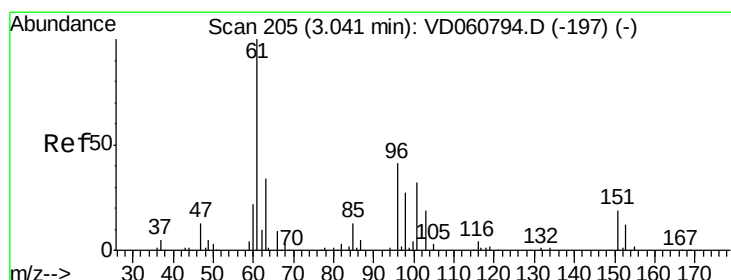
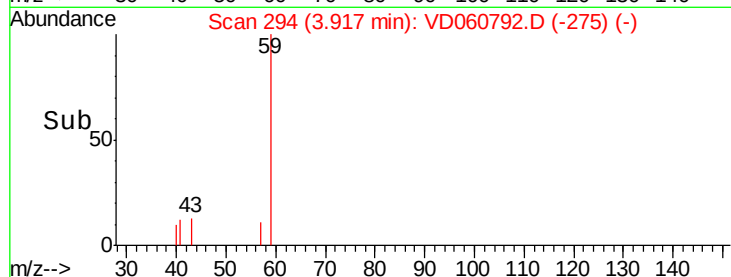
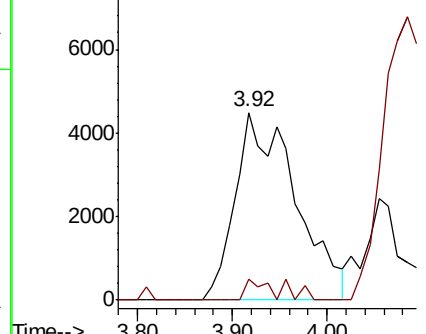
59 100

57 11.4 9.8 14.6



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC



#12

1,1-Dichloroethene

Concen: 10.325 ug/l

RT: 3.05 min Scan# 206

Delta R.T. 0.01 min

Lab File: VD060792.D

Acq: 28 Jan 2019 15:42

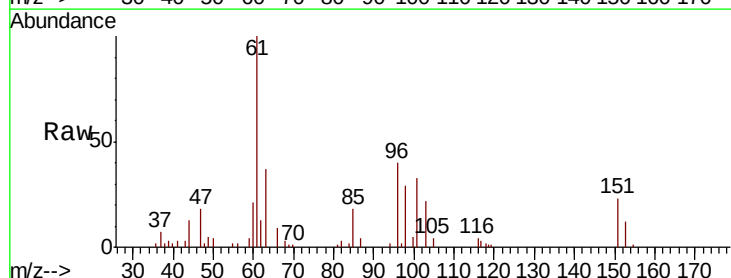
Tgt Ion: 96 Resp: 28550

Ion Ratio Lower Upper

96 100

61 249.8 195.1 292.7

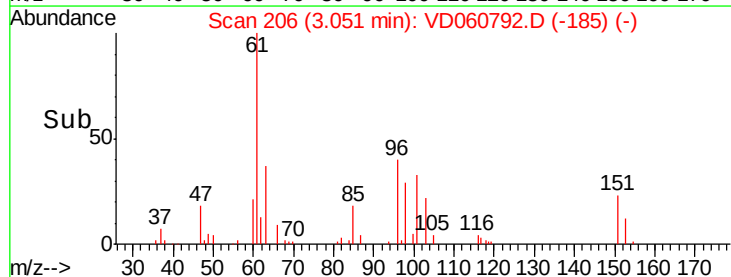
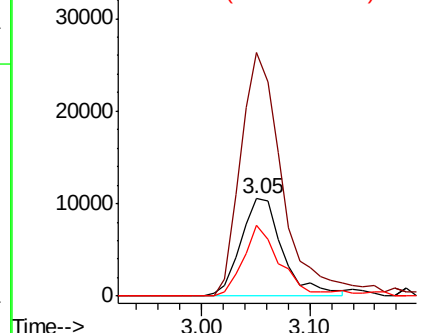
98 72.7 52.5 78.7

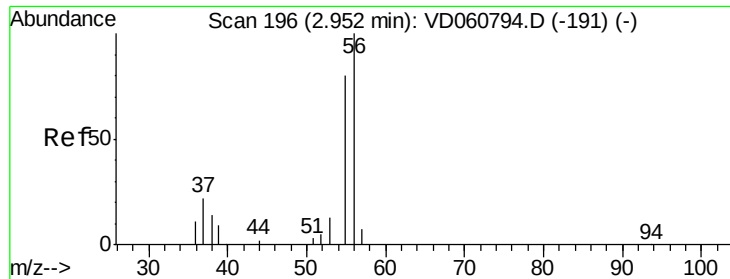


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#13

Acrolein

Concen: 52.398 ug/l

RT: 2.97 min Scan# 198

Delta R.T. 0.02 min

Lab File: VD060792.D

Acq: 28 Jan 2019 15:42

Instrument :

MSVOA_D

ClientSampleId :

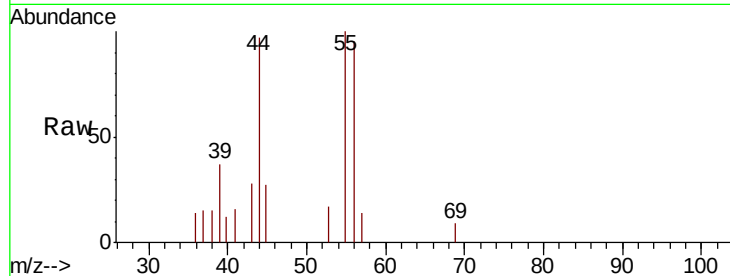
VSTDIC010

Tgt Ion: 56 Resp: 10774

Ion Ratio Lower Upper

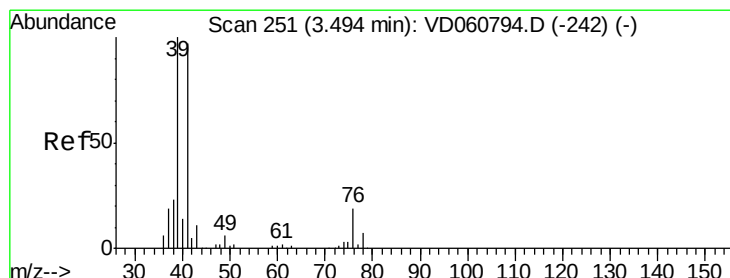
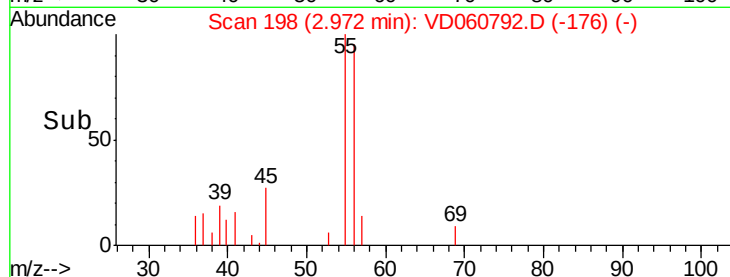
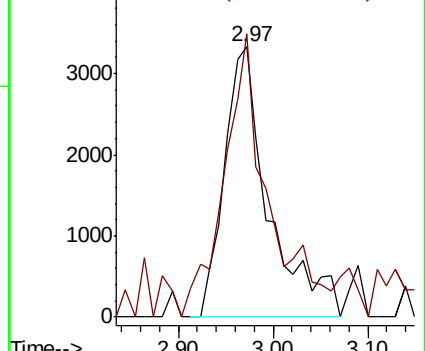
56 100

55 104.8 64.2 96.2#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 10.294 ug/l

RT: 3.51 min Scan# 253

Delta R.T. 0.02 min

Lab File: VD060792.D

Acq: 28 Jan 2019 15:42

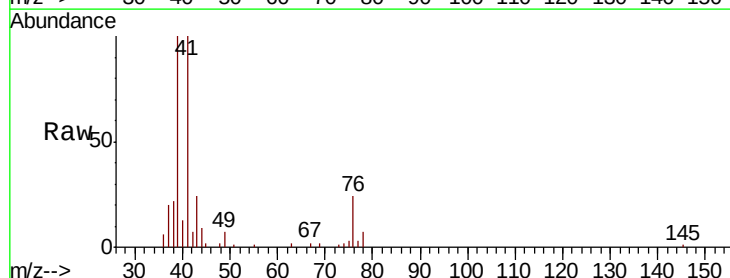
Tgt Ion: 41 Resp: 63685

Ion Ratio Lower Upper

41 100

39 100.0 82.6 123.8

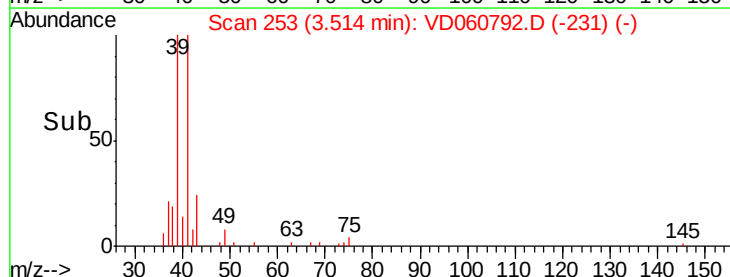
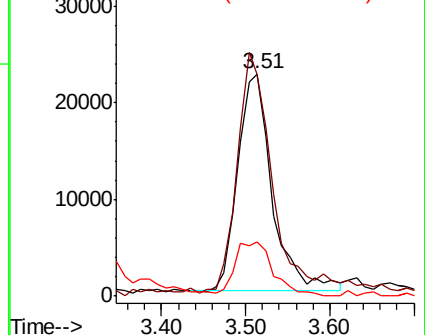
76 24.2 18.9 28.3

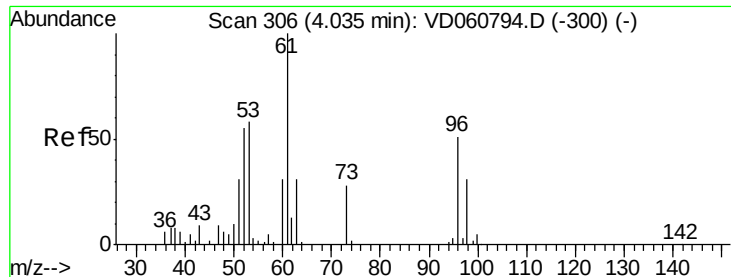


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 48.845 ug/l

RT: 4.06 min Scan# 308

Delta R.T. 0.02 min

Lab File: VD060792.D

Acq: 28 Jan 2019 15:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

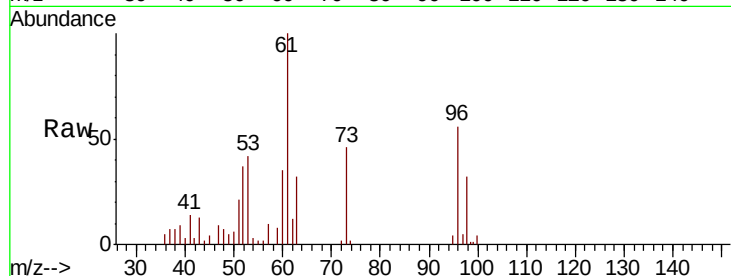
Tgt Ion: 53 Resp: 48739

Ion Ratio Lower Upper

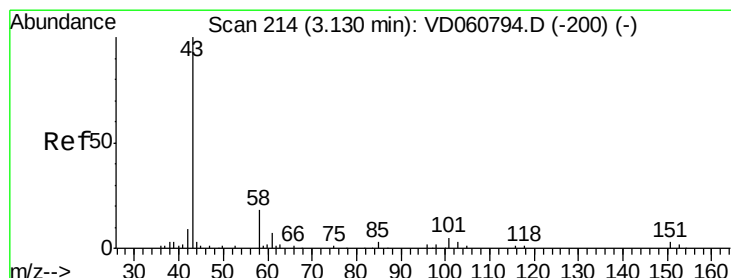
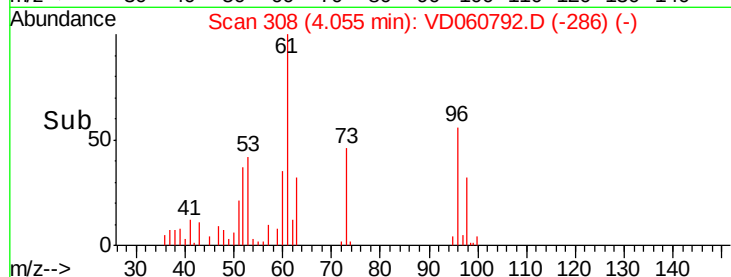
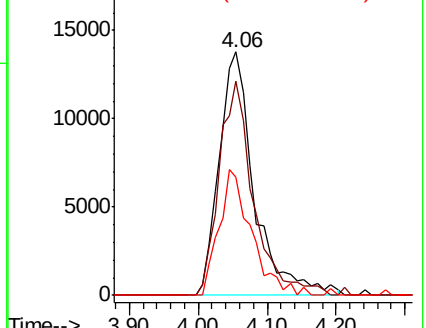
53 100

52 88.2 75.4 113.2

51 48.8 42.5 63.7



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 51.134 ug/l

RT: 3.13 min Scan# 214

Delta R.T. -0.00 min

Lab File: VD060792.D

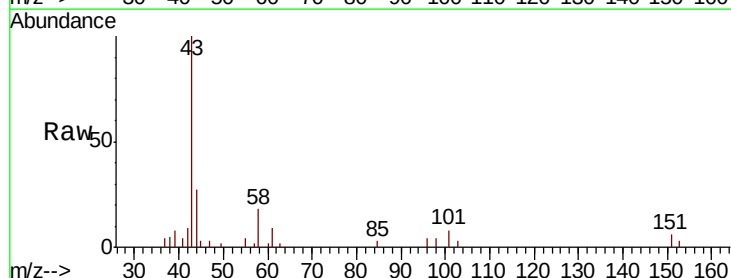
Acq: 28 Jan 2019 15:42

Tgt Ion: 43 Resp: 57379

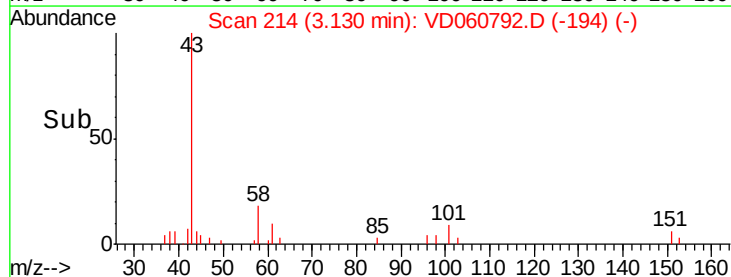
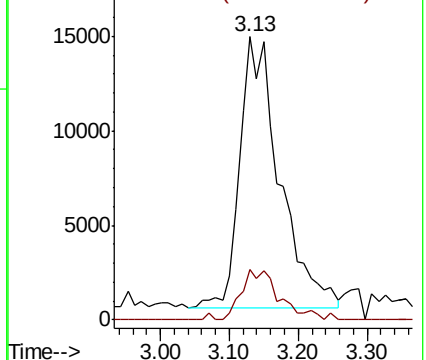
Ion Ratio Lower Upper

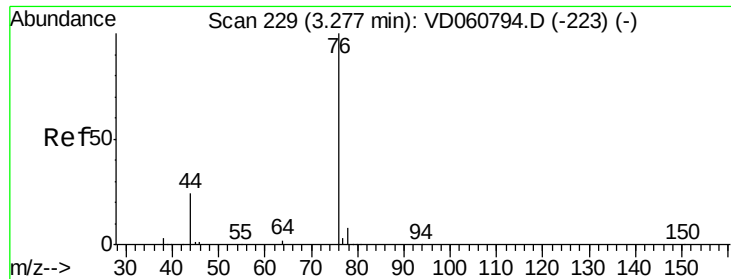
43 100

58 17.6 14.5 21.7



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

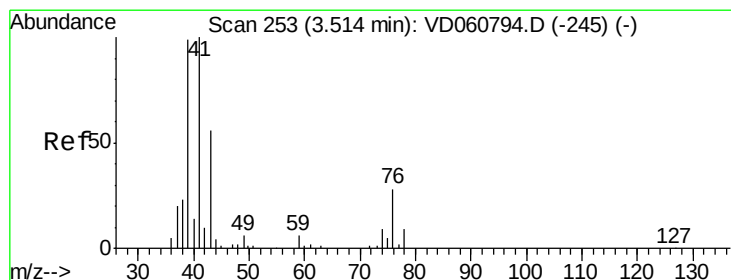
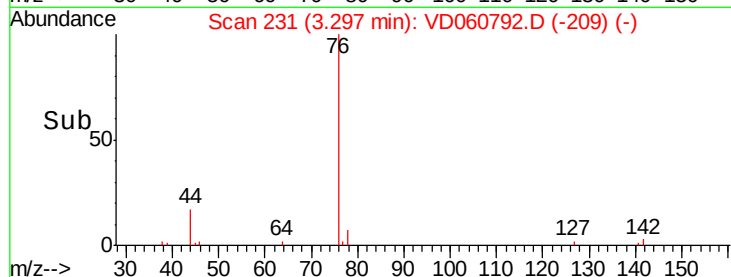
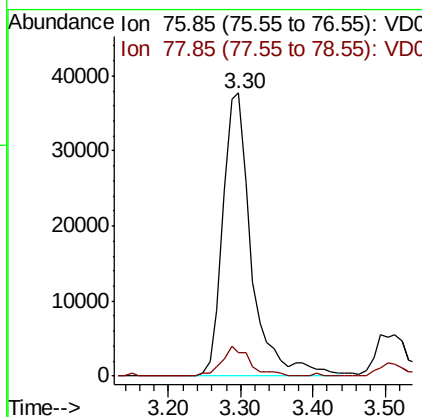
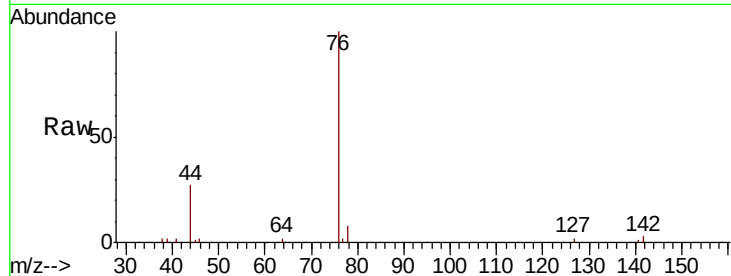




#17
Carbon Disulfide
Concen: 10.889 ug/l
RT: 3.30 min Scan# 231
Delta R.T. 0.02 min
Lab File: VD060792.D
Acq: 28 Jan 2019 15:42

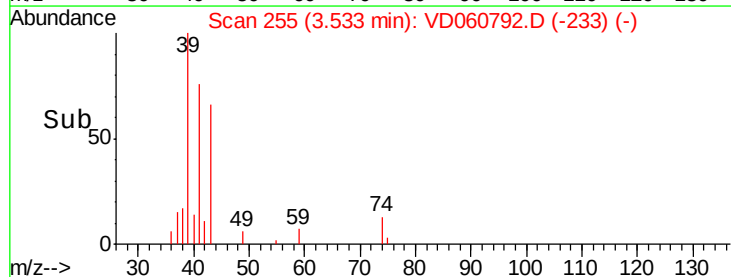
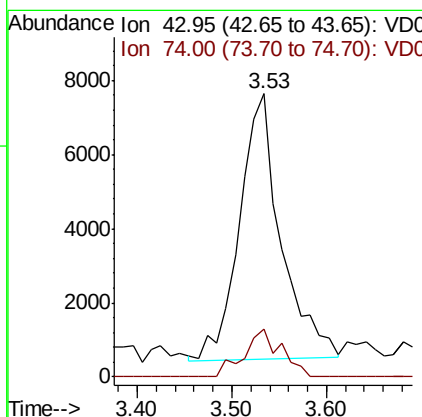
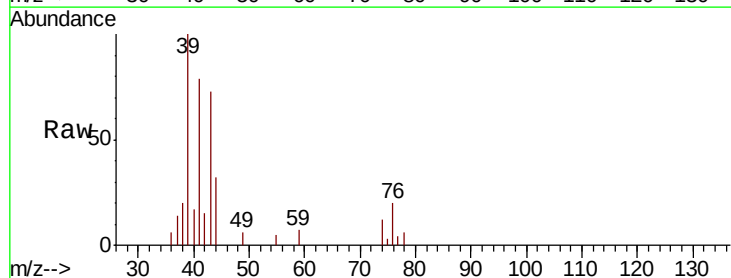
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

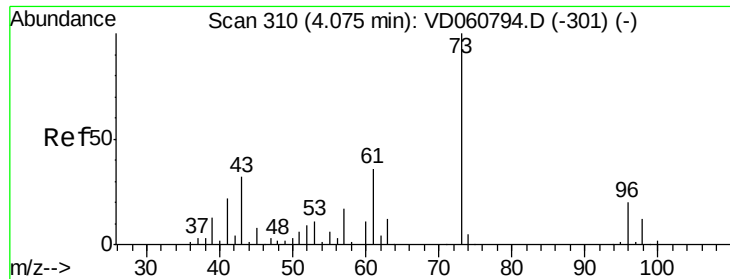
Tgt Ion: 76 Resp: 103377
Ion Ratio Lower Upper
76 100
78 8.2 6.5 9.7



#18
Methyl Acetate
Concen: 7.351 ug/l
RT: 3.53 min Scan# 255
Delta R.T. 0.02 min
Lab File: VD060792.D
Acq: 28 Jan 2019 15:42

Tgt Ion: 43 Resp: 21689
Ion Ratio Lower Upper
43 100
74 16.8 12.5 18.7



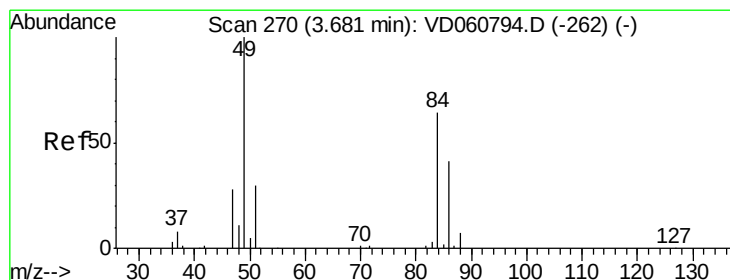
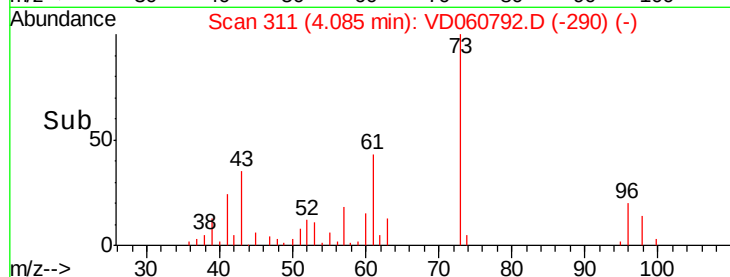
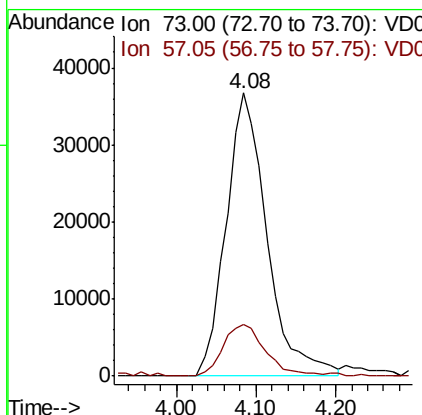
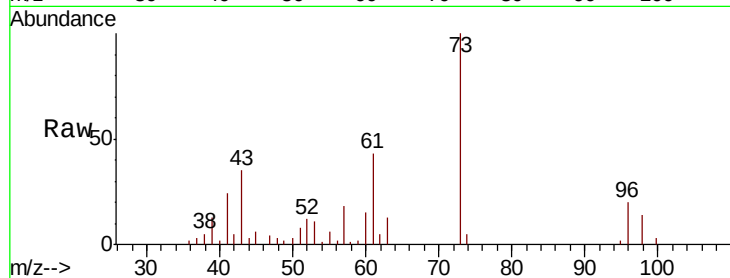


#19

Methyl tert-butyl Ether
 Concen: 9.857 ug/l
 RT: 4.08 min Scan# 311
 Delta R.T. 0.01 min
 Lab File: VD060792.D
 Acq: 28 Jan 2019 15:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

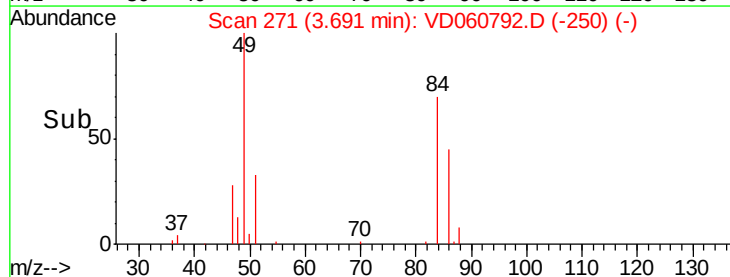
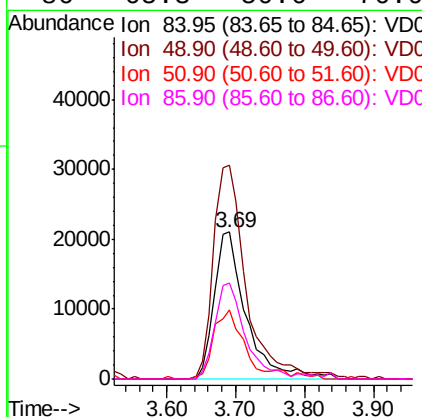
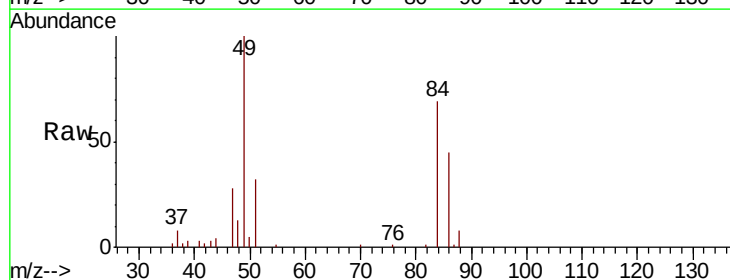
Tgt Ion: 73 Resp: 130939
 Ion Ratio Lower Upper
 73 100
 57 18.4 14.0 21.0

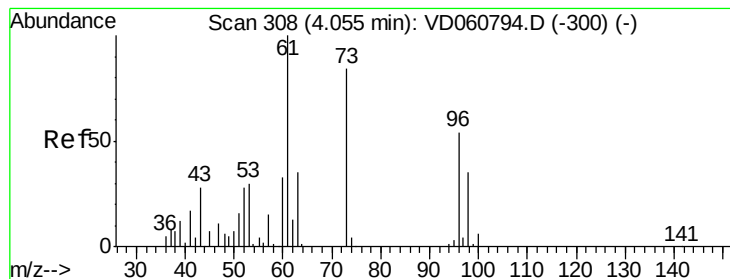


#20

Methylene Chloride
 Concen: 10.440 ug/l
 RT: 3.69 min Scan# 271
 Delta R.T. 0.01 min
 Lab File: VD060792.D
 Acq: 28 Jan 2019 15:42

Tgt Ion: 84 Resp: 67510
 Ion Ratio Lower Upper
 84 100
 49 145.3 124.2 186.2
 51 46.7 38.1 57.1
 86 65.3 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 10.234 ug/l

RT: 4.06 min Scan# 308

Delta R.T. -0.00 min

Lab File: VD060792.D

Acq: 28 Jan 2019 15:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

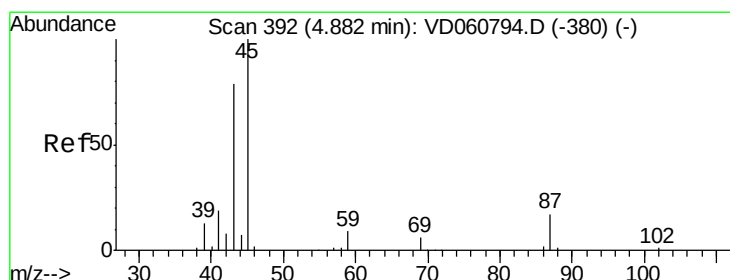
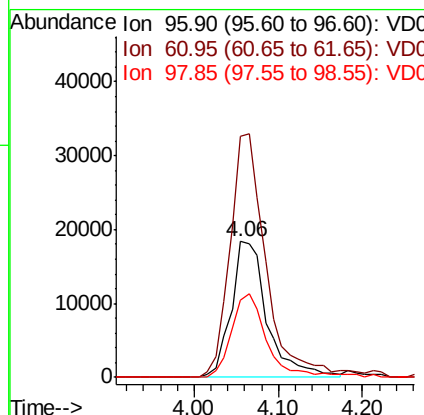
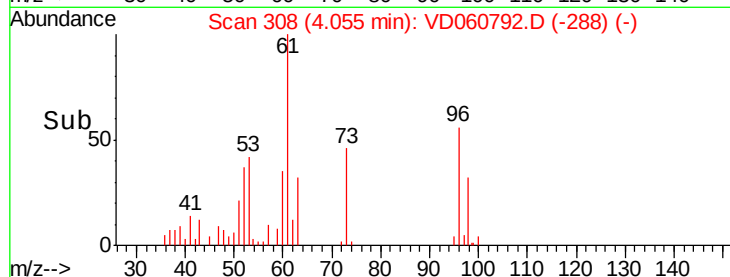
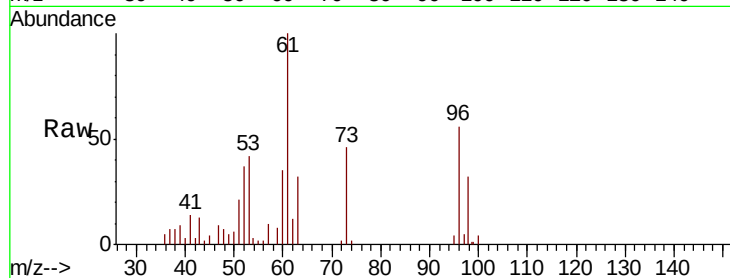
Tgt Ion: 96 Resp: 54763

Ion Ratio Lower Upper

96 100

61 177.7 147.4 221.2

98 56.6 51.5 77.3



#22

Diisopropyl ether

Concen: 9.696 ug/l

RT: 4.90 min Scan# 394

Delta R.T. 0.02 min

Lab File: VD060792.D

Acq: 28 Jan 2019 15:42

Tgt Ion: 45 Resp: 173475

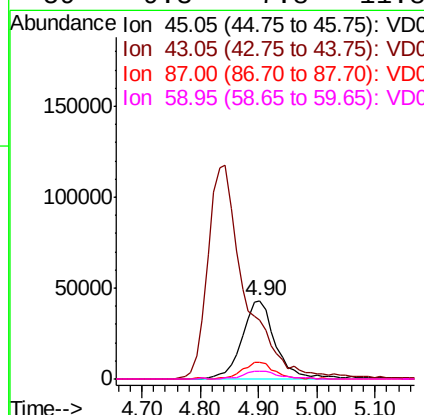
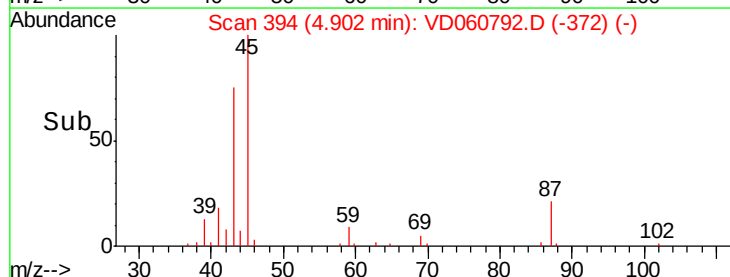
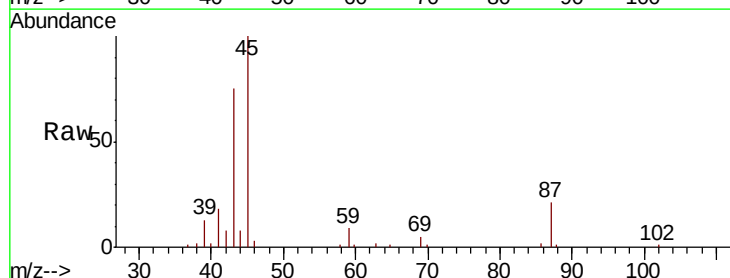
Ion Ratio Lower Upper

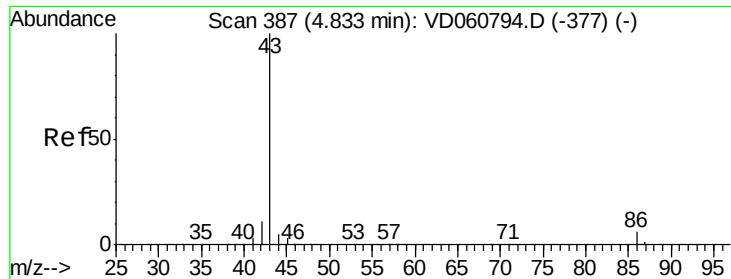
45 100

43 75.0 64.3 96.5

87 20.6 14.3 21.5

59 9.3 7.8 11.8





#23

Vinyl Acetate

Concen: 51.117 ug/l

RT: 4.84 min Scan# 388

Delta R.T. 0.01 min

Lab File: VD060792.D

Acq: 28 Jan 2019 15:42

Instrument :

MSVOA_D

ClientSampleId :

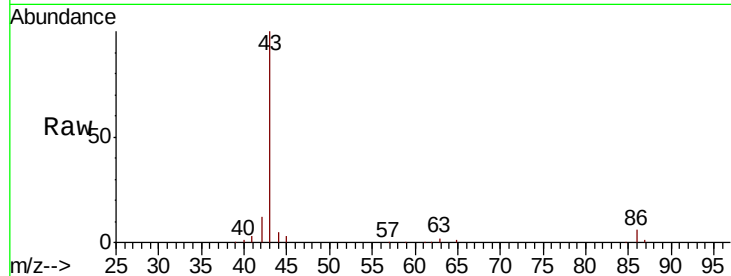
VSTDIC010

Tgt Ion: 43 Resp: 515263

Ion Ratio Lower Upper

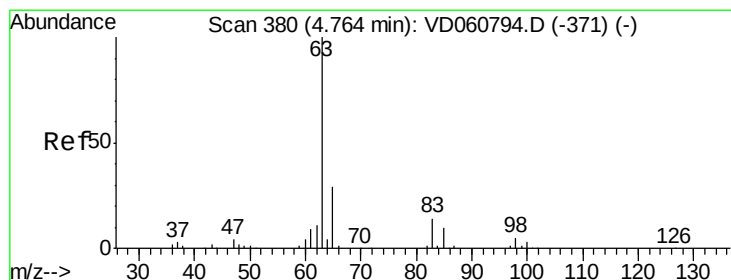
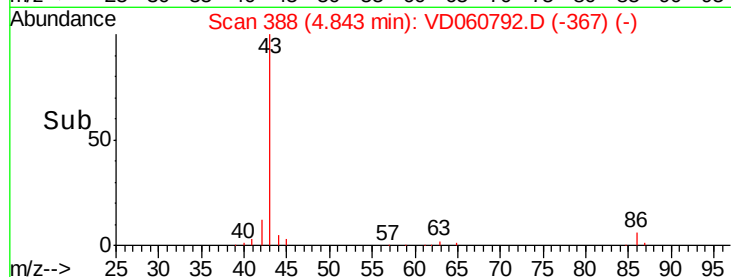
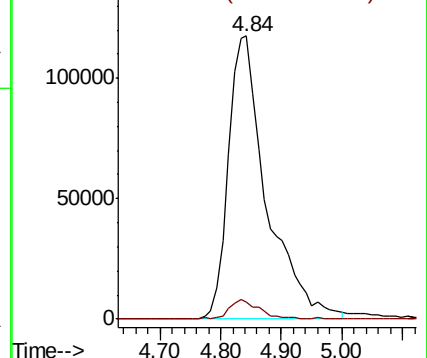
43 100

86 6.0 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: 10.494 ug/l

RT: 4.77 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD060792.D

Acq: 28 Jan 2019 15:42

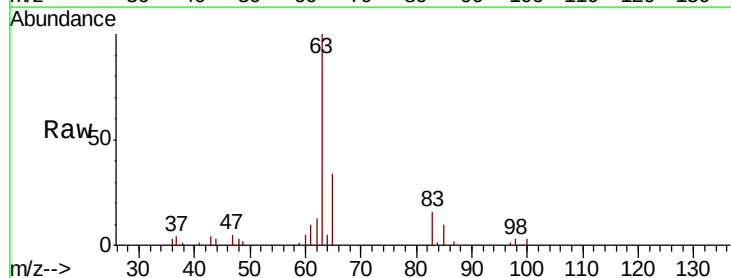
Tgt Ion: 63 Resp: 118896

Ion Ratio Lower Upper

63 100

98 3.4 2.3 6.9

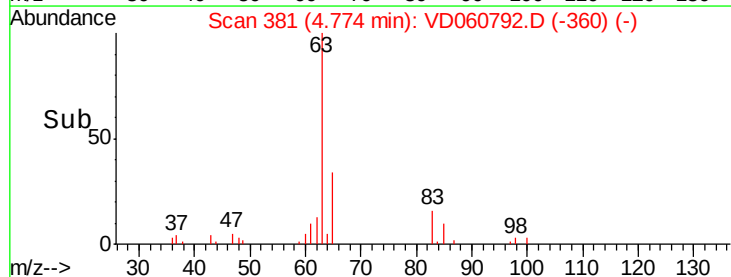
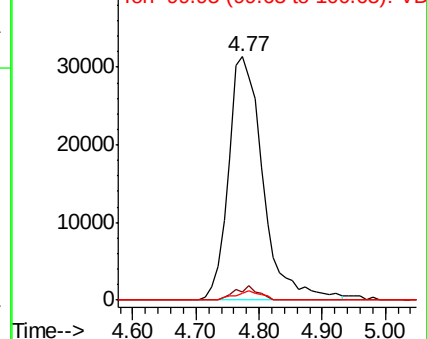
100 2.9 1.3 3.8

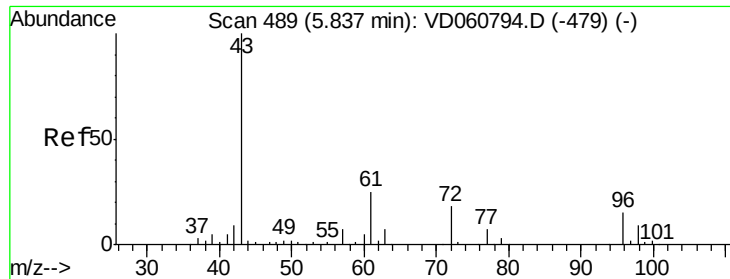


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 48.346 ug/l

RT: 5.85 min Scan# 490

Delta R.T. 0.01 min

Lab File: VD060792.D

Acq: 28 Jan 2019 15:42

Instrument :

MSVOA_D

ClientSampleId :

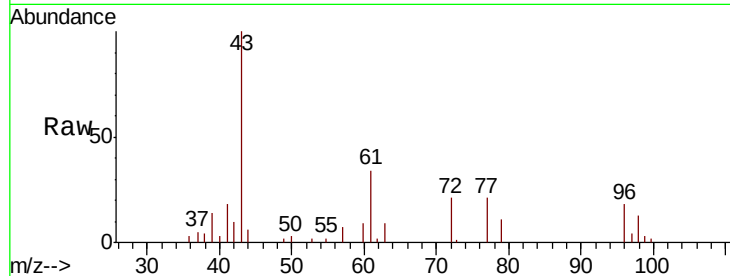
VSTDIC010

Tgt Ion: 43 Resp: 77312

Ion Ratio Lower Upper

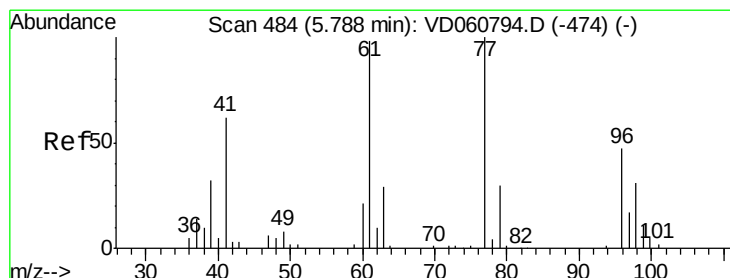
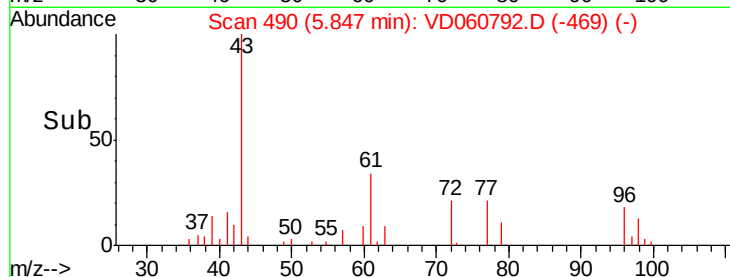
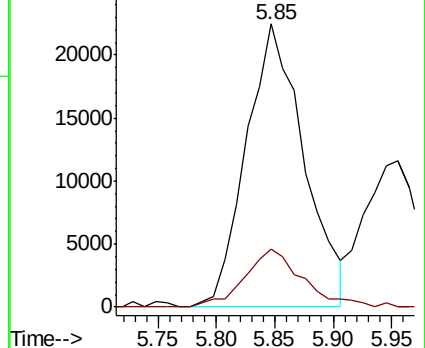
43 100

72 20.6 14.4 21.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 10.792 ug/l

RT: 5.80 min Scan# 485

Delta R.T. 0.01 min

Lab File: VD060792.D

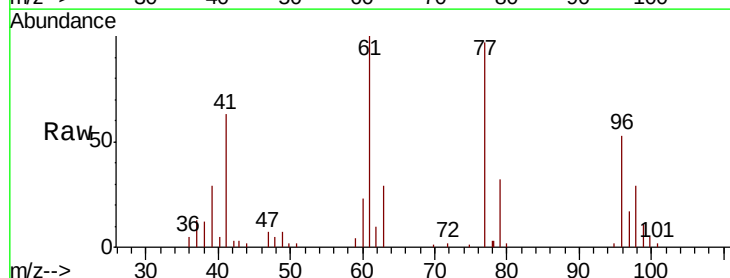
Acq: 28 Jan 2019 15:42

Tgt Ion: 77 Resp: 119528

Ion Ratio Lower Upper

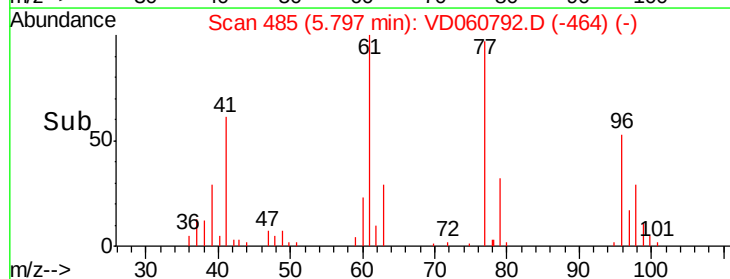
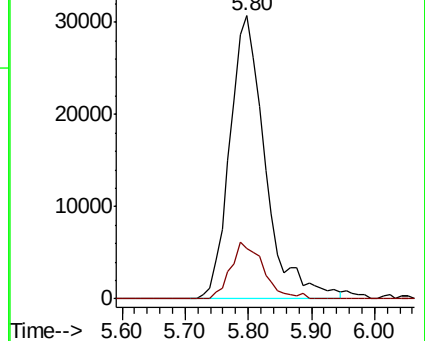
77 100

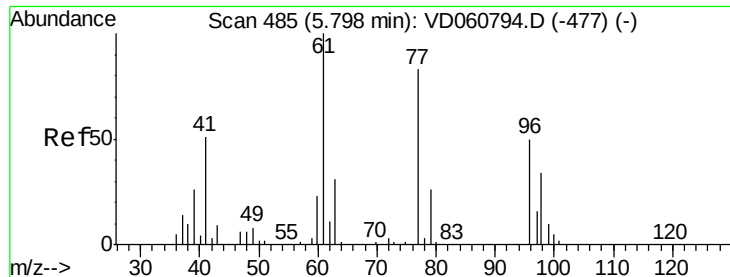
97 17.8 8.3 24.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



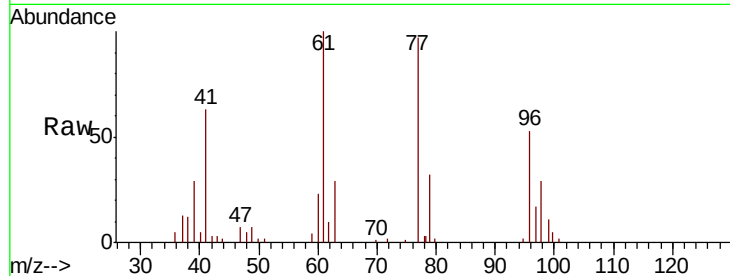


#27

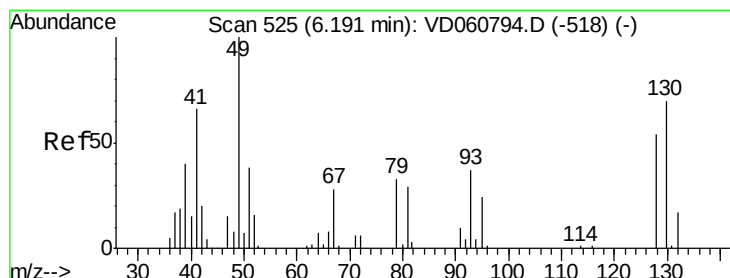
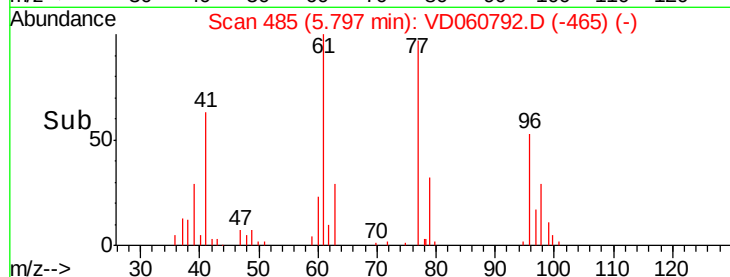
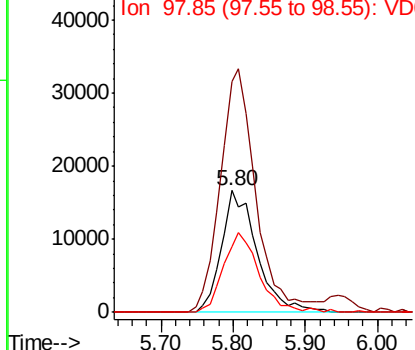
cis-1,2-Dichloroethene
 Concen: 9.934 ug/l
 RT: 5.80 min Scan# 485
 Delta R.T. -0.00 min
 Lab File: VD060792.D
 Acq: 28 Jan 2019 15:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tgt Ion: 96 Resp: 57006
 Ion Ratio Lower Upper
 96 100
 61 189.6 0.0 400.0
 98 54.6 0.0 136.4



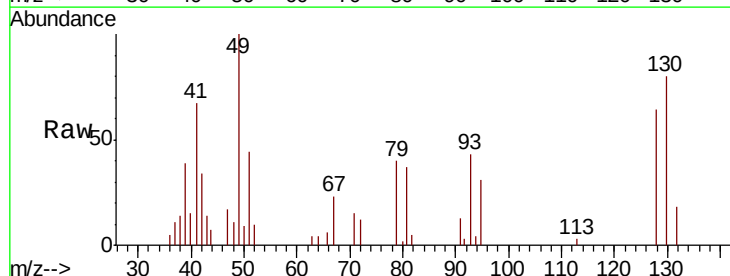
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



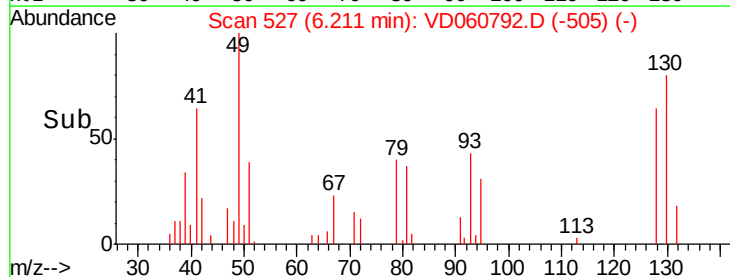
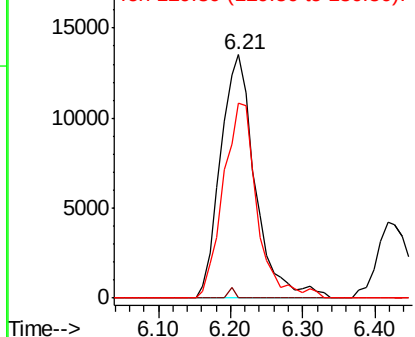
#28

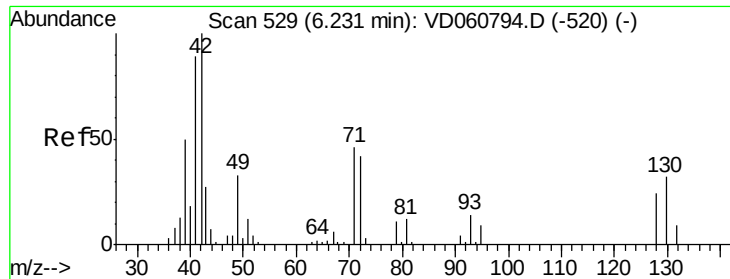
Bromochloromethane
 Concen: 10.443 ug/l
 RT: 6.21 min Scan# 527
 Delta R.T. 0.02 min
 Lab File: VD060792.D
 Acq: 28 Jan 2019 15:42

Tgt Ion: 49 Resp: 45014
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 0.0
 130 80.1 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: 48.655 ug/l

RT: 6.23 min Scan# 529

Delta R.T. -0.00 min

Lab File: VD060792.D

Acq: 28 Jan 2019 15:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

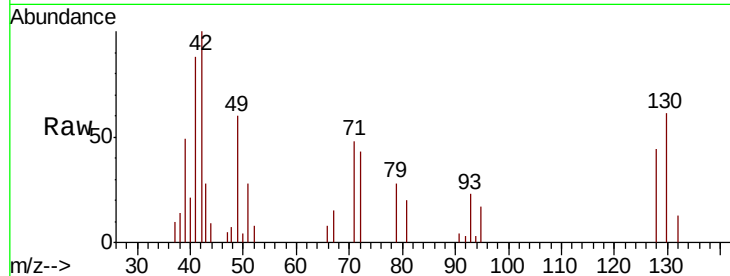
Tgt Ion: 42 Resp: 38330

Ion Ratio Lower Upper

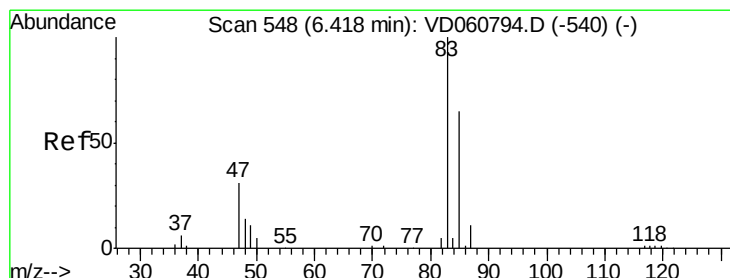
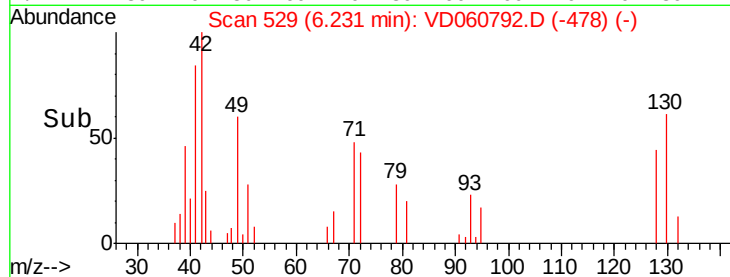
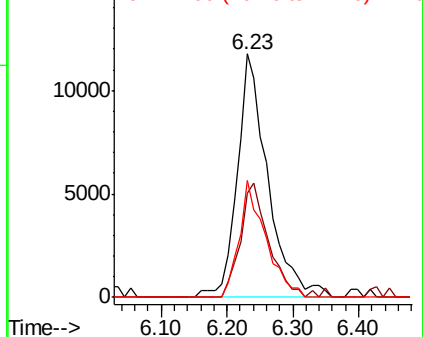
42 100

72 43.2 32.8 49.2

71 41.7 34.6 52.0



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



#30

Chloroform

Concen: 10.442 ug/l

RT: 6.43 min Scan# 549

Delta R.T. 0.01 min

Lab File: VD060792.D

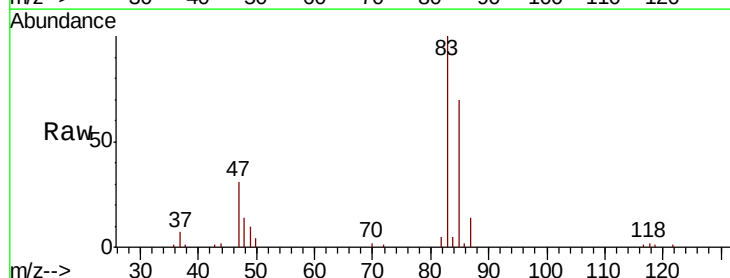
Acq: 28 Jan 2019 15:42

Tgt Ion: 83 Resp: 134398

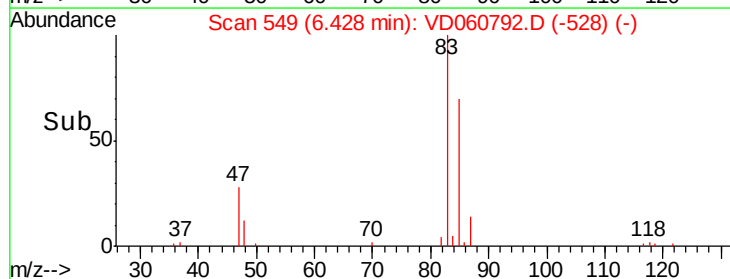
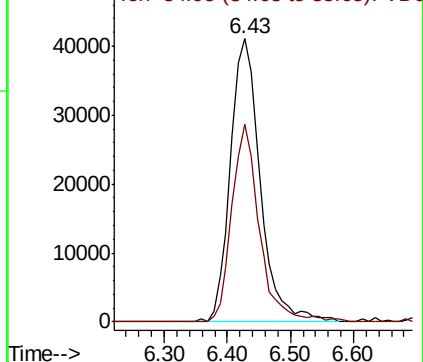
Ion Ratio Lower Upper

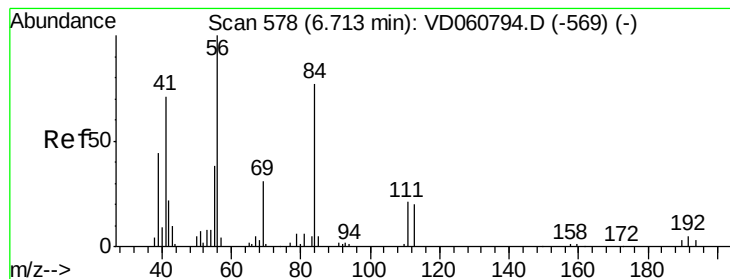
83 100

85 69.6 52.3 78.5



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





#31

Cyclohexane

Concen: 9.195 ug/l

RT: 6.72 min Scan# 579

Delta R.T. 0.01 min

Lab File: VD060792.D

Acq: 28 Jan 2019 15:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

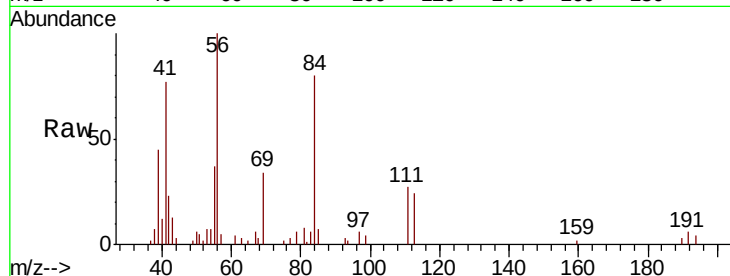
Tgt Ion: 56 Resp: 75366

Ion Ratio Lower Upper

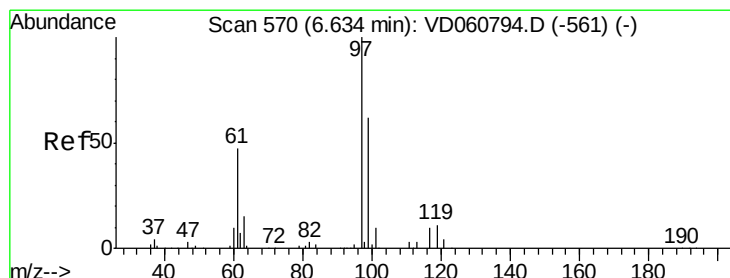
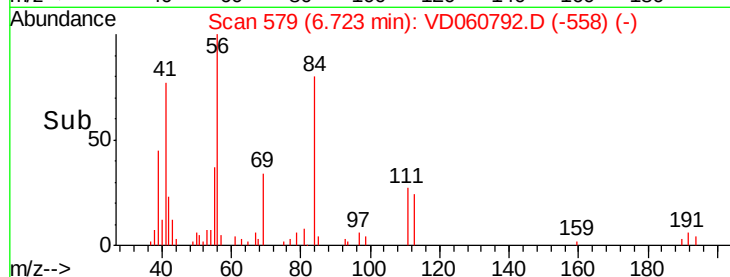
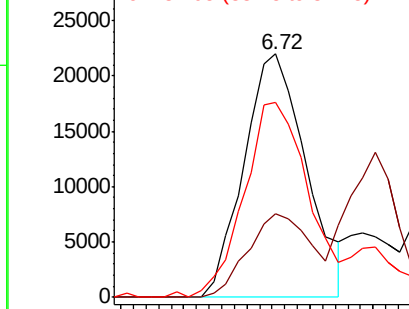
56 100

69 34.2 25.1 37.7

84 80.2 63.9 95.9



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



#32

1,1,1-Trichloroethane

Concen: 10.712 ug/l

RT: 6.63 min Scan# 570

Delta R.T. -0.00 min

Lab File: VD060792.D

Acq: 28 Jan 2019 15:42

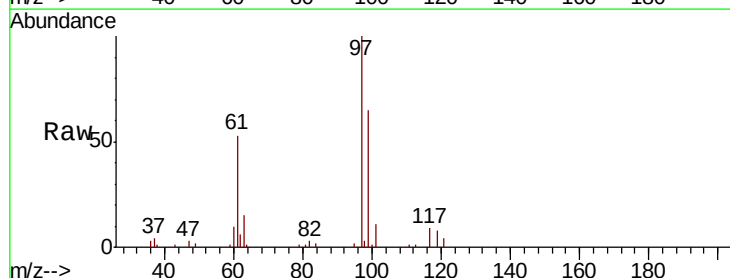
Tgt Ion: 97 Resp: 129609

Ion Ratio Lower Upper

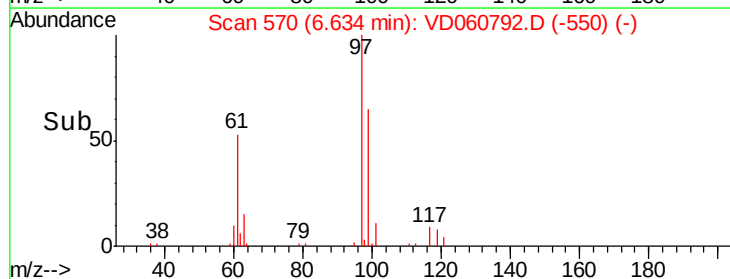
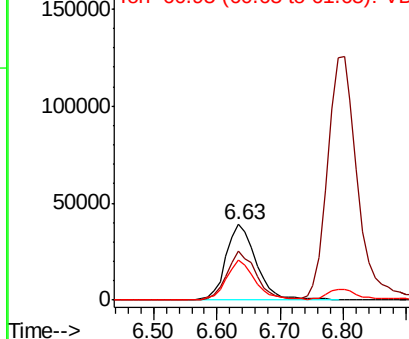
97 100

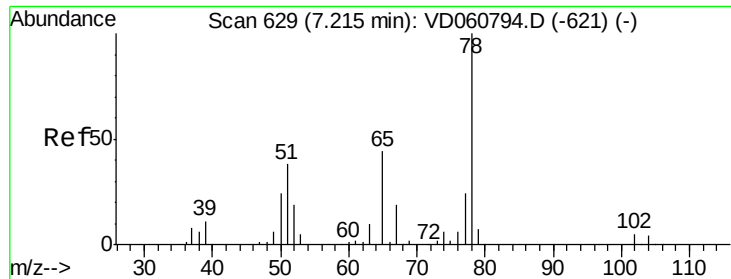
99 65.5 49.6 74.4

61 52.9 37.4 56.2



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

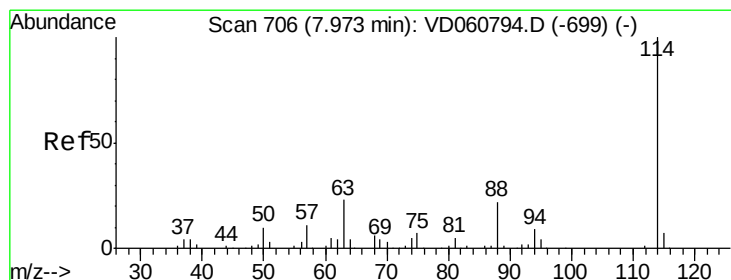
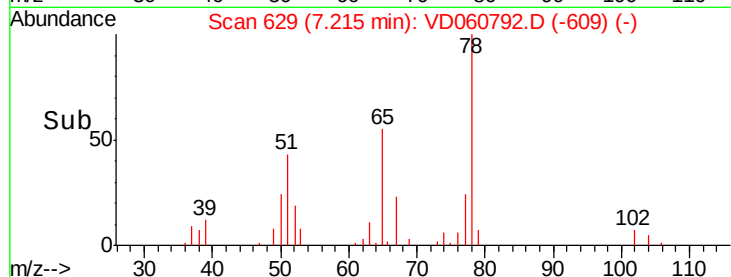
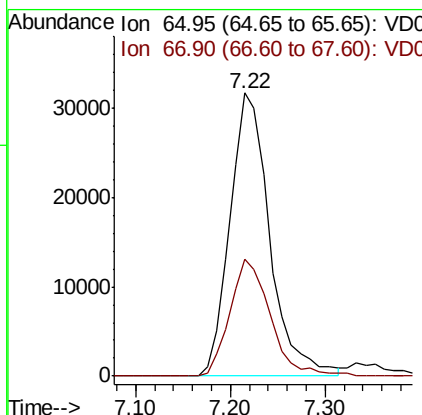
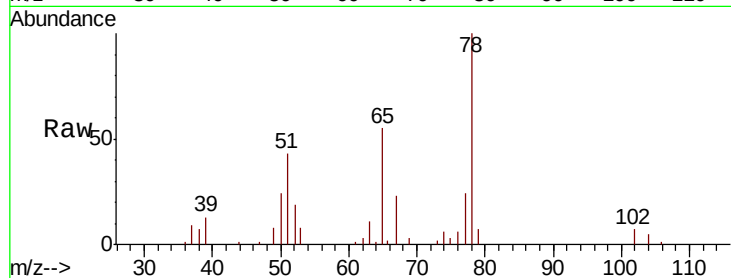




#33
 1,2-Dichloroethane-d4
 Concen: 10.712 ug/l
 RT: 7.22 min Scan# 629
 Delta R.T. -0.00 min
 Lab File: VD060792.D
 Acq: 28 Jan 2019 15:42

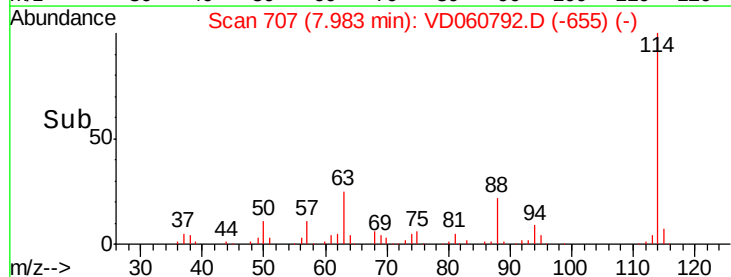
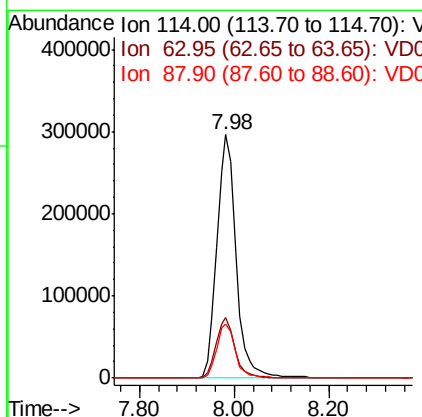
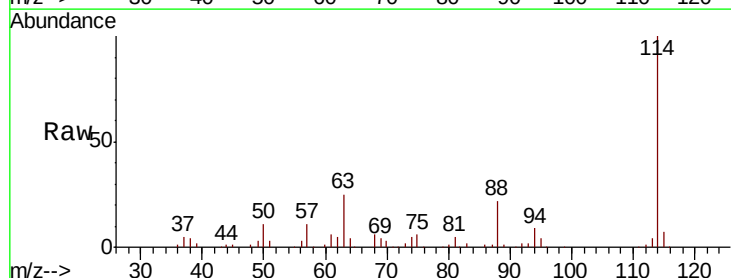
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

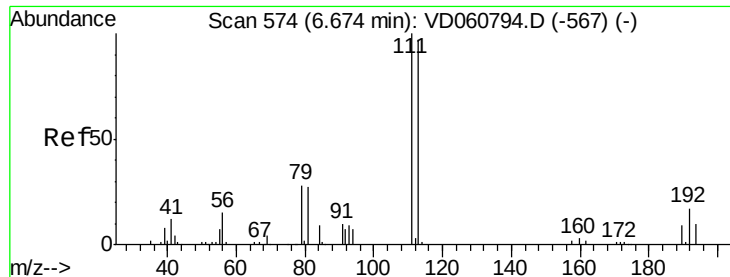
Tgt Ion: 65 Resp: 92264
 Ion Ratio Lower Upper
 65 100
 67 41.3 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.98 min Scan# 707
 Delta R.T. 0.01 min
 Lab File: VD060792.D
 Acq: 28 Jan 2019 15:42

Tgt Ion: 114 Resp: 833391
 Ion Ratio Lower Upper
 114 100
 63 25.1 0.0 46.6
 88 22.4 0.0 44.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.68 min Scan# 575

Delta R.T. 0.01 min

Lab File: VD060792.D

Acq: 28 Jan 2019 15:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

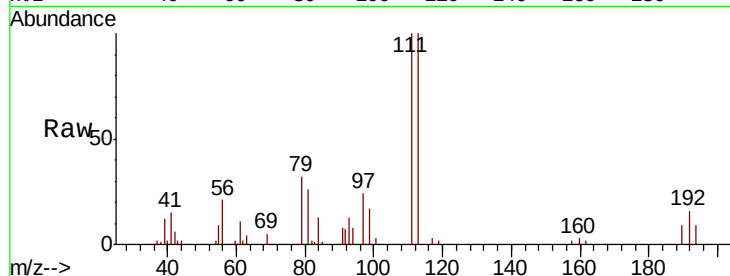
Tgt Ion:113 Resp: 78457

Ion Ratio Lower Upper

113 100

111 100.0 82.3 123.5

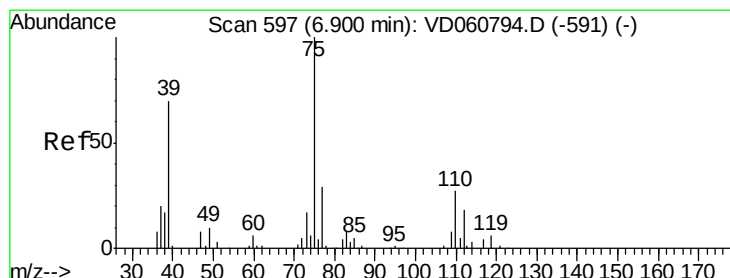
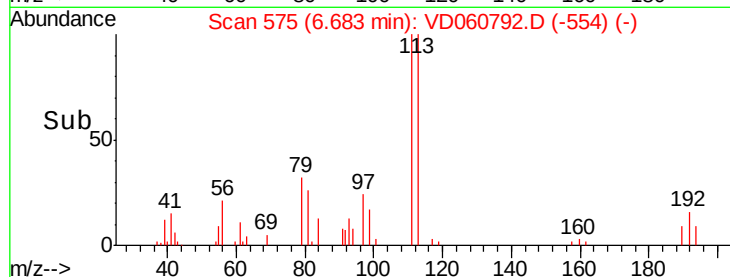
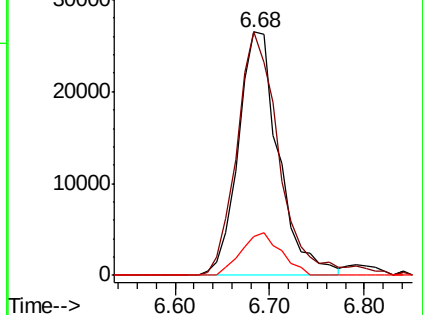
192 16.2 14.4 21.6



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 9.782 ug/l

RT: 6.91 min Scan# 598

Delta R.T. 0.01 min

Lab File: VD060792.D

Acq: 28 Jan 2019 15:42

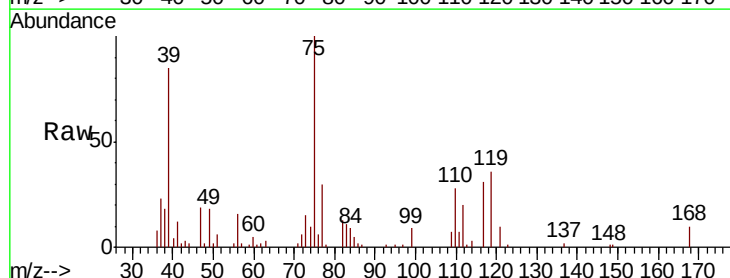
Tgt Ion: 75 Resp: 98729

Ion Ratio Lower Upper

75 100

110 28.1 13.5 40.4

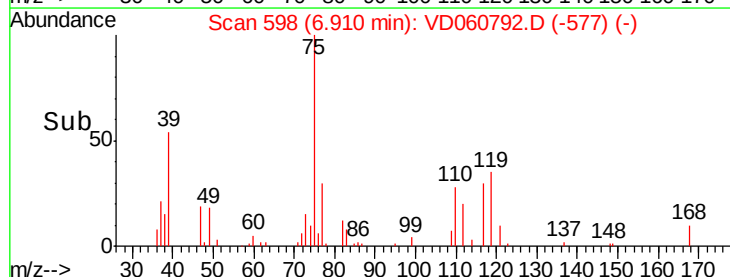
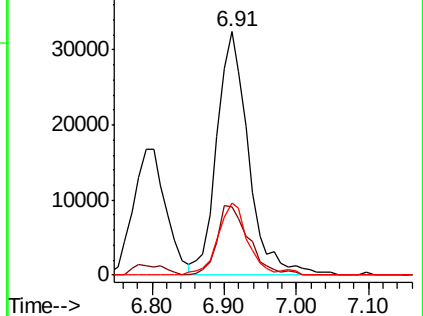
77 29.8 23.4 35.2

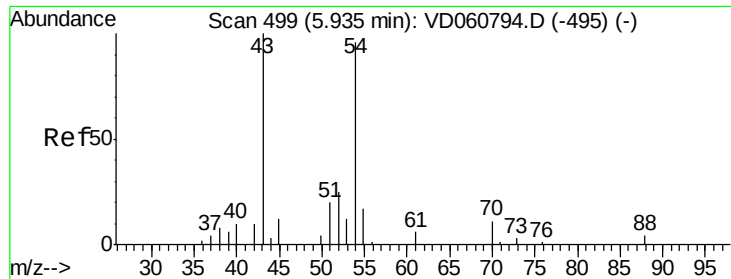


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

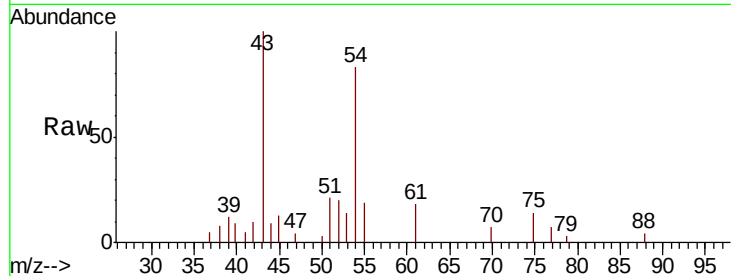




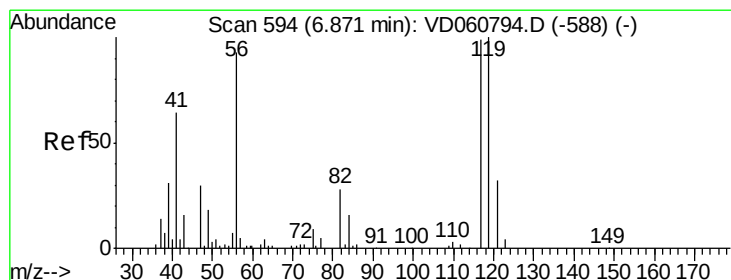
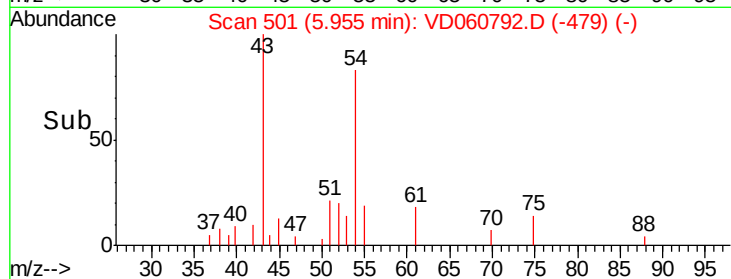
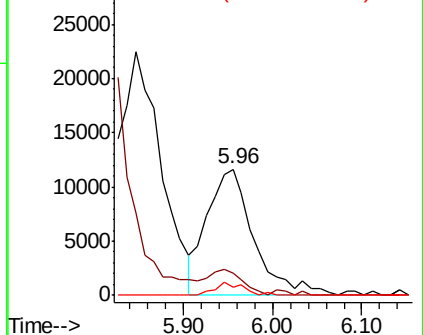
#37
 Ethyl Acetate
 Concen: 9.497 ug/l
 RT: 5.96 min Scan# 501
 Delta R.T. 0.02 min
 Lab File: VD060792.D
 Acq: 28 Jan 2019 15:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tgt Ion: 43 Resp: 42672
 Ion Ratio Lower Upper
 43 100
 61 18.0 12.3 18.5
 70 6.7 7.4 11.0#

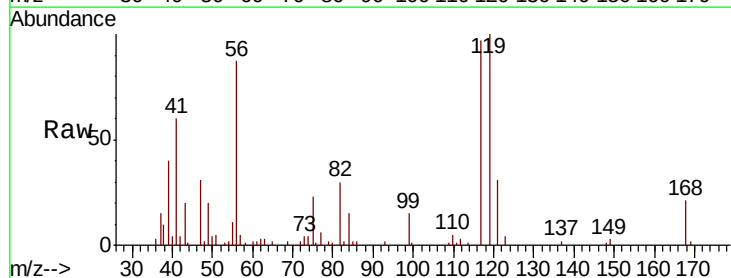


Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 70.00 (69.70 to 70.70): VDC

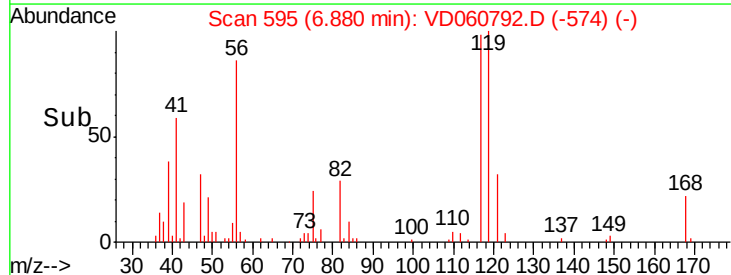
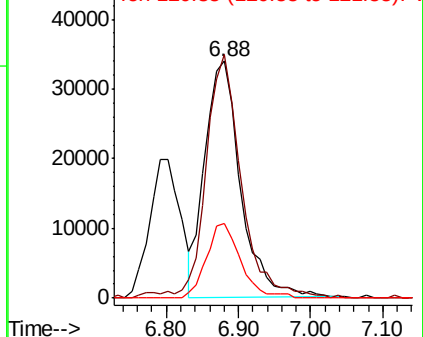


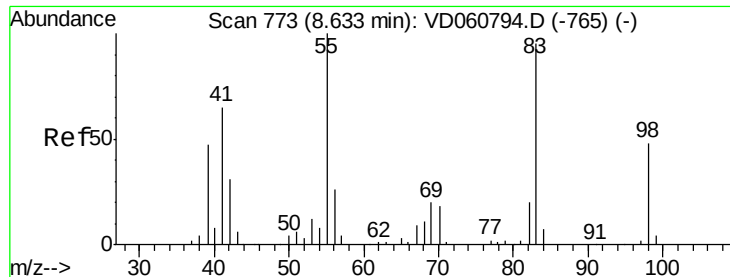
#38
 Carbon Tetrachloride
 Concen: 9.569 ug/l
 RT: 6.88 min Scan# 595
 Delta R.T. 0.01 min
 Lab File: VD060792.D
 Acq: 28 Jan 2019 15:42

Tgt Ion: 117 Resp: 115520
 Ion Ratio Lower Upper
 117 100
 119 102.8 75.6 113.4
 121 31.7 23.4 35.2



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

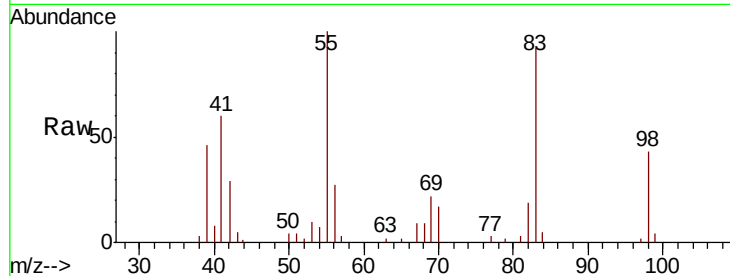




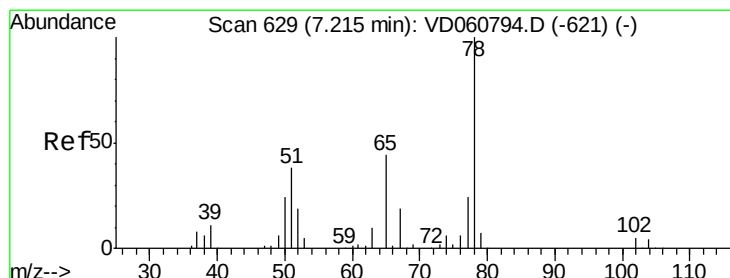
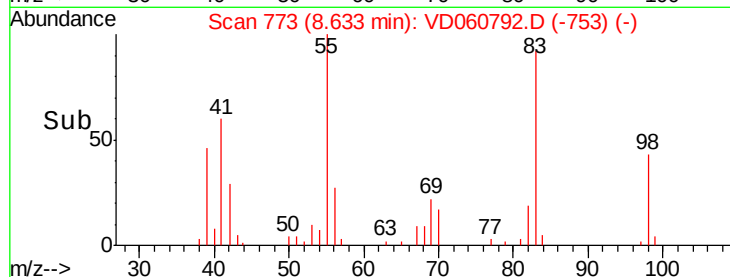
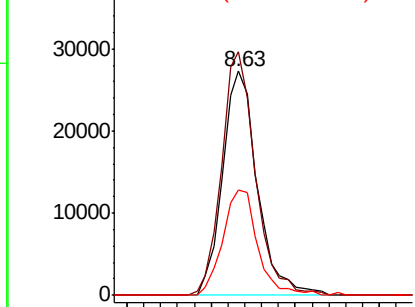
#39
Methylcyclohexane
Concen: 8.777 ug/l
RT: 8.63 min Scan# 773
Delta R.T. -0.00 min
Lab File: VD060792.D
Acq: 28 Jan 2019 15:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion: 83 Resp: 78364
Ion Ratio Lower Upper
83 100
55 108.7 83.8 125.8
98 46.8 39.8 59.8

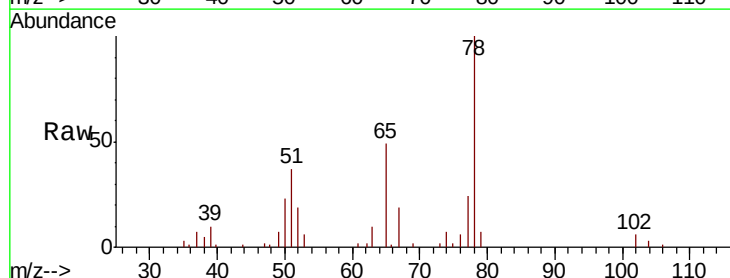


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

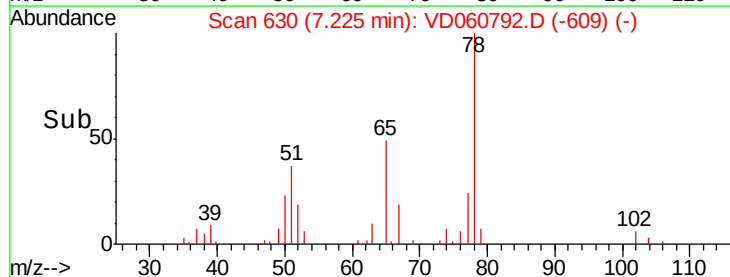
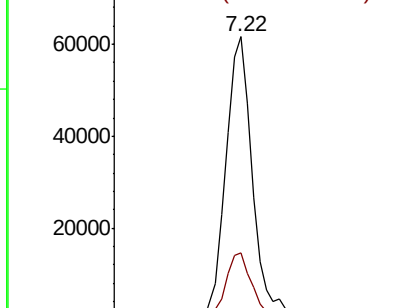


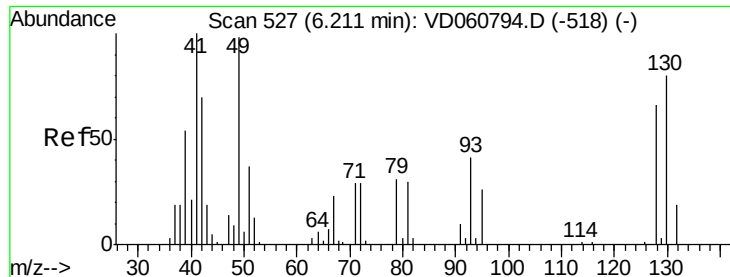
#40
Benzene
Concen: 8.713 ug/l
RT: 7.22 min Scan# 630
Delta R.T. 0.01 min
Lab File: VD060792.D
Acq: 28 Jan 2019 15:42

Tgt Ion: 78 Resp: 180792
Ion Ratio Lower Upper
78 100
77 23.8 18.9 28.3



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





#41

Methacrylonitrile

Concen: 17.269 ug/l

RT: 6.23 min Scan# 529

Delta R.T. 0.02 min

Lab File: VD060792.D

Acq: 28 Jan 2019 15:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tgt Ion: 41 Resp: 50983

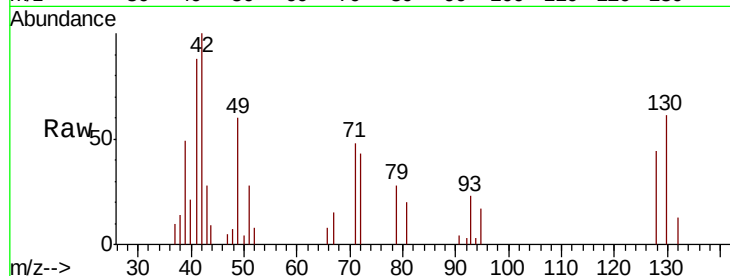
Ion Ratio Lower Upper

41 100

39 55.8 43.6 65.4

67 16.8 18.5 27.7#

52 8.9 10.2 15.2#

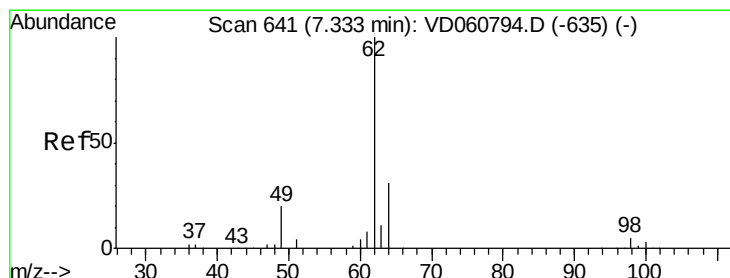
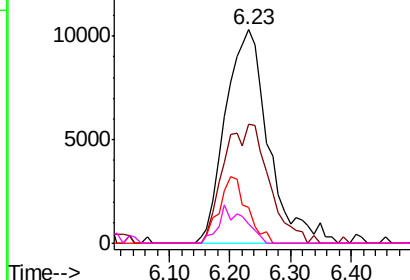
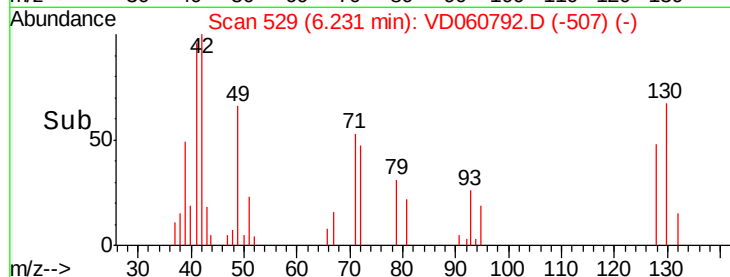


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 10.116 ug/l

RT: 7.34 min Scan# 642

Delta R.T. 0.01 min

Lab File: VD060792.D

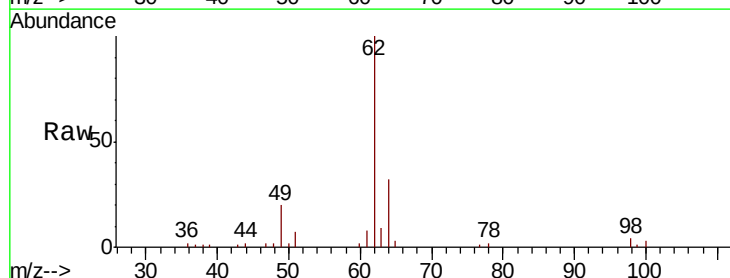
Acq: 28 Jan 2019 15:42

Tgt Ion: 62 Resp: 108596

Ion Ratio Lower Upper

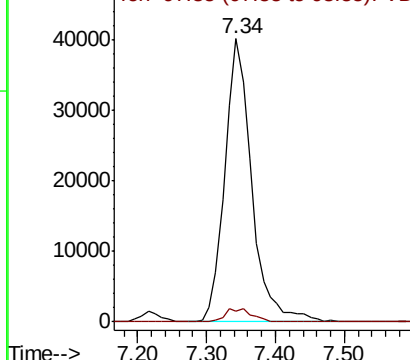
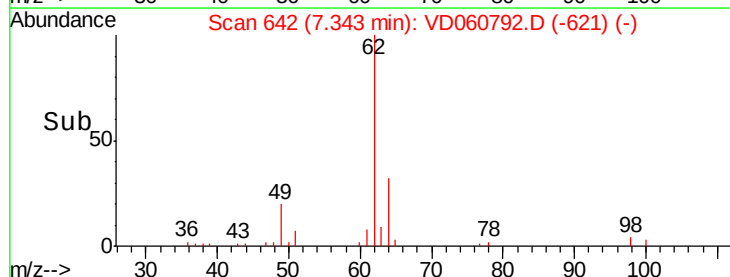
62 100

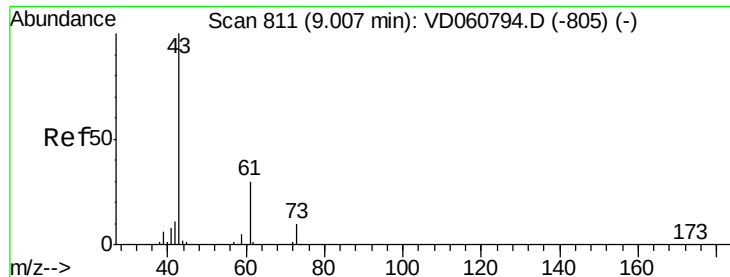
98 4.0 0.0 10.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 7.989 ug/l

RT: 9.01 min Scan# 811

Delta R.T. -0.00 min

Lab File: VD060792.D

Acq: 28 Jan 2019 15:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

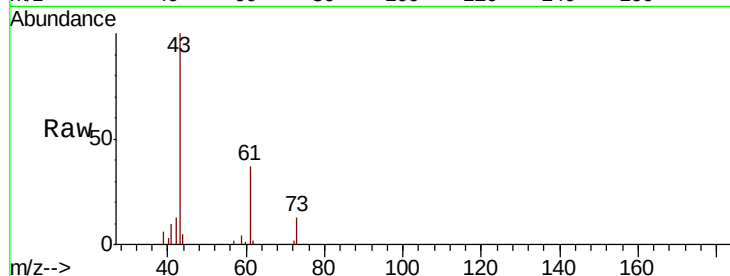
Tgt Ion: 43 Resp: 49623

Ion Ratio Lower Upper

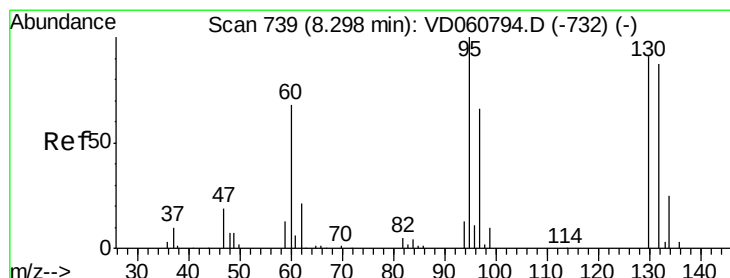
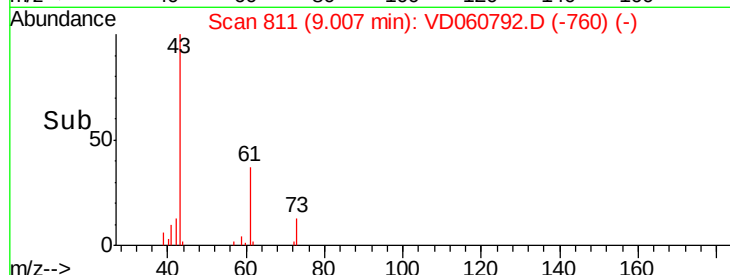
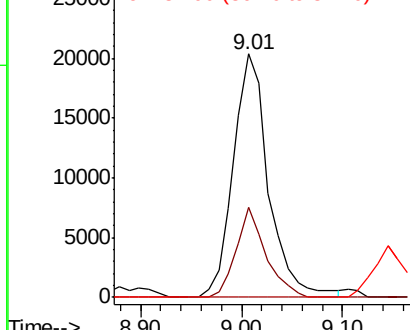
43 100

61 36.9 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: 8.604 ug/l

RT: 8.31 min Scan# 740

Delta R.T. 0.01 min

Lab File: VD060792.D

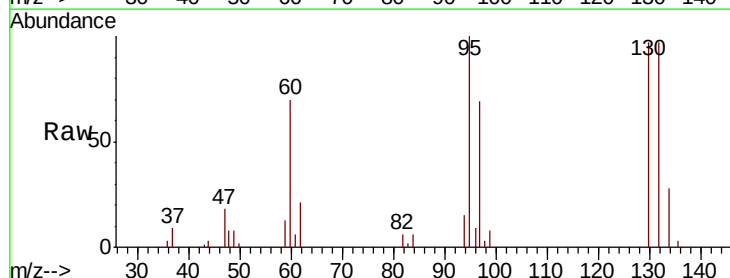
Acq: 28 Jan 2019 15:42

Tgt Ion: 130 Resp: 59553

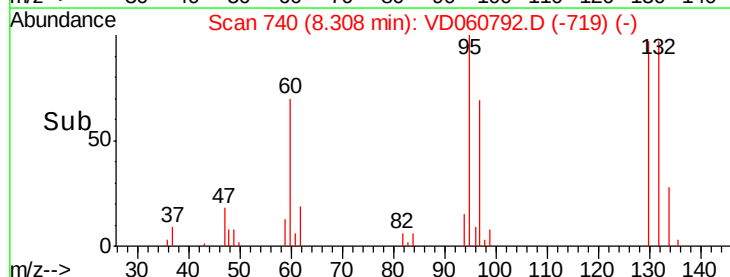
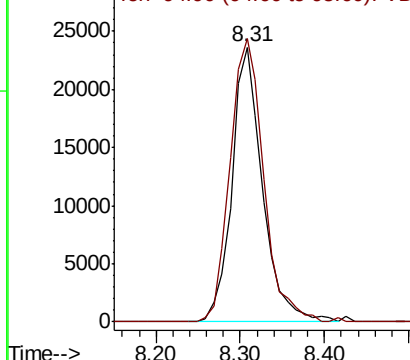
Ion Ratio Lower Upper

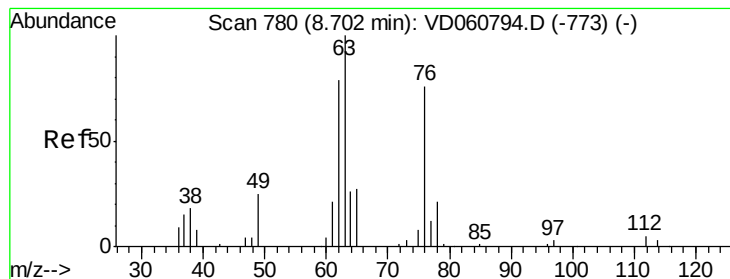
130 100

95 102.9 0.0 221.0



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





#45

1,2-Dichloropropane

Concen: 9.097 ug/l

RT: 8.71 min Scan# 781

Delta R.T. 0.01 min

Lab File: VD060792.D

Acq: 28 Jan 2019 15:42

Instrument :

MSVOA_D

ClientSampleId :

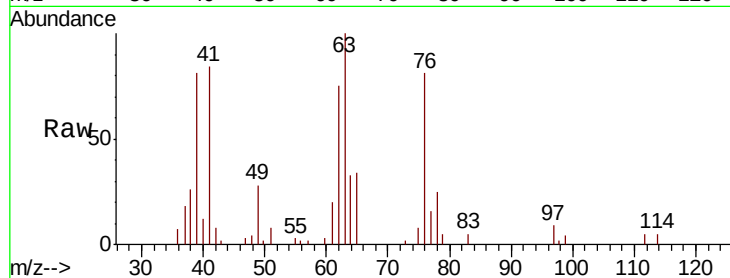
VSTDIC010

Tgt Ion: 63 Resp: 49360

Ion Ratio Lower Upper

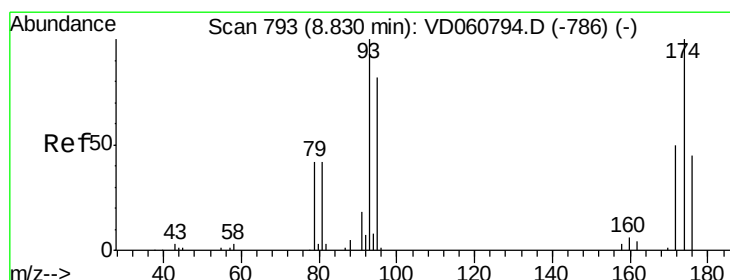
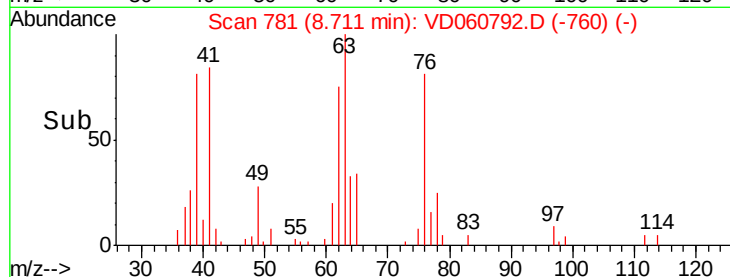
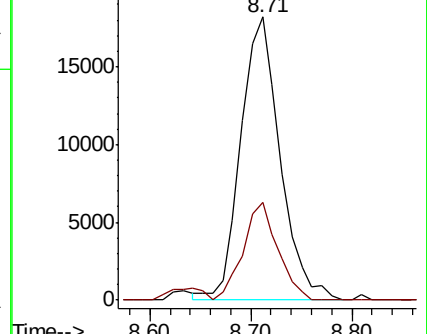
63 100

65 34.4 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: 9.050 ug/l

RT: 8.83 min Scan# 793

Delta R.T. 0.00 min

Lab File: VD060792.D

Acq: 28 Jan 2019 15:42

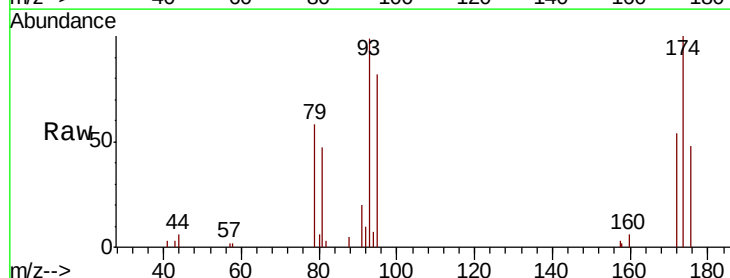
Tgt Ion: 93 Resp: 37788

Ion Ratio Lower Upper

93 100

95 83.4 65.8 98.8

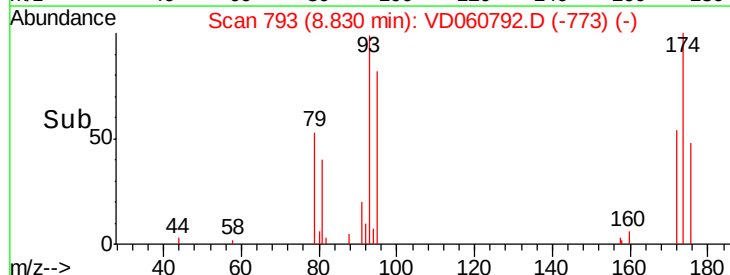
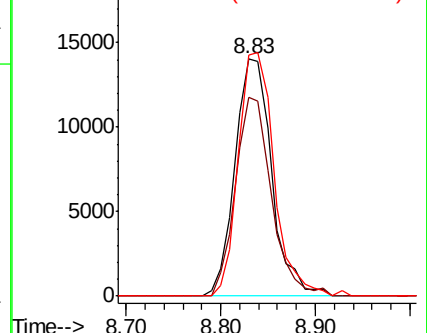
174 101.3 79.8 119.6

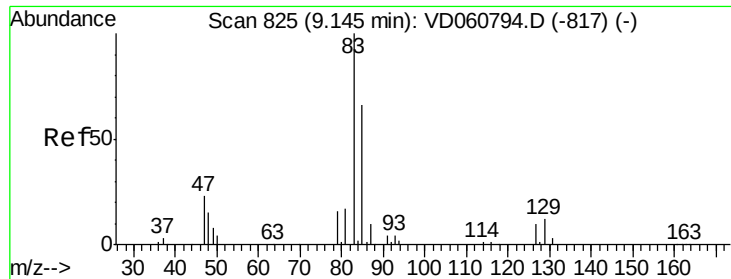


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 8.909 ug/l

RT: 9.14 min Scan# 825

Delta R.T. 0.00 min

Lab File: VD060792.D

Acq: 28 Jan 2019 15:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

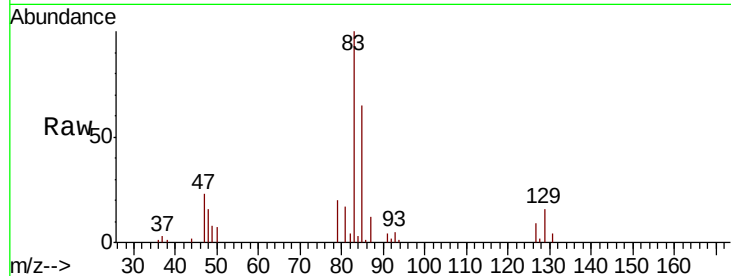
Tgt Ion: 83 Resp: 95678

Ion Ratio Lower Upper

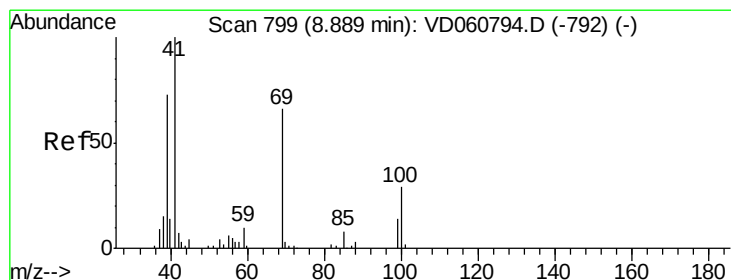
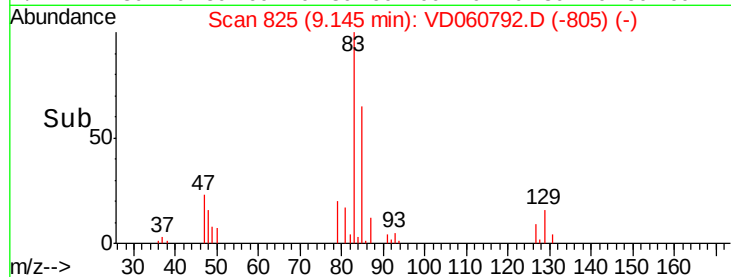
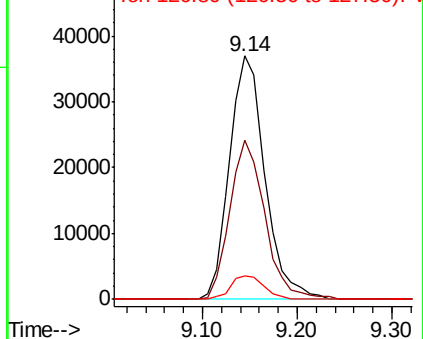
83 100

85 65.2 52.6 79.0

127 9.4 7.7 11.5



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



#48

Methyl methacrylate

Concen: 8.458 ug/l

RT: 8.89 min Scan# 799

Delta R.T. -0.00 min

Lab File: VD060792.D

Acq: 28 Jan 2019 15:42

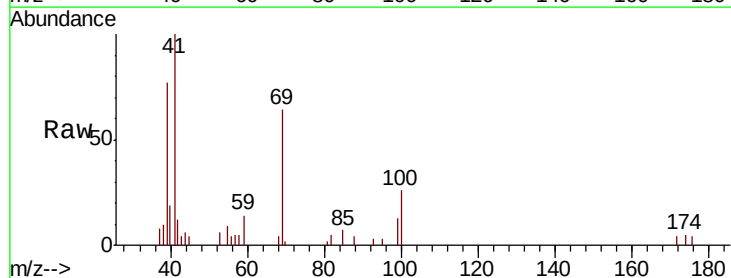
Tgt Ion: 41 Resp: 35381

Ion Ratio Lower Upper

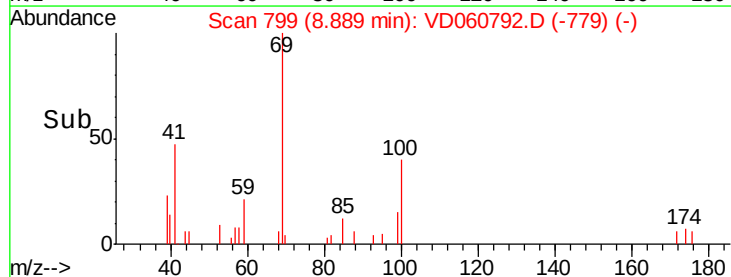
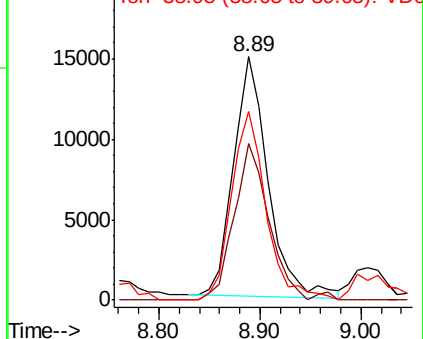
41 100

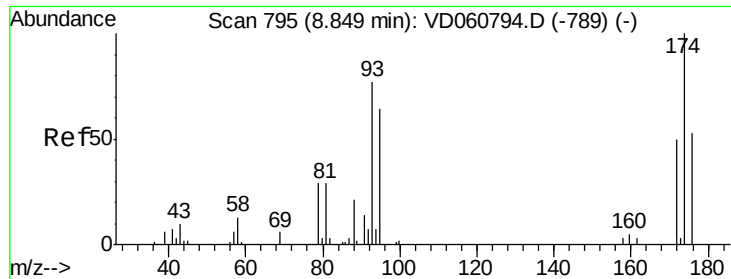
69 64.4 52.5 78.7

39 77.3 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

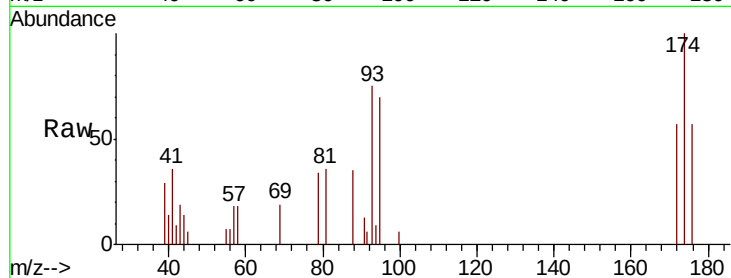




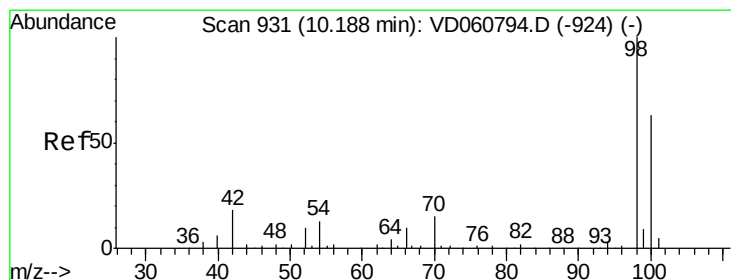
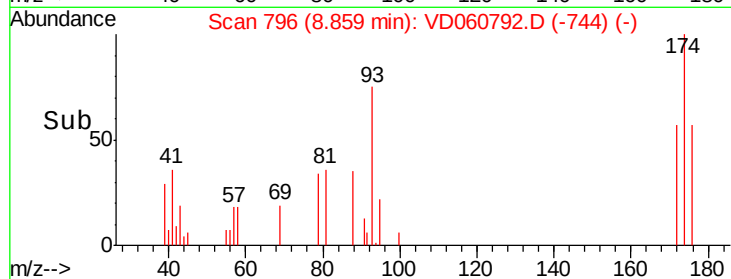
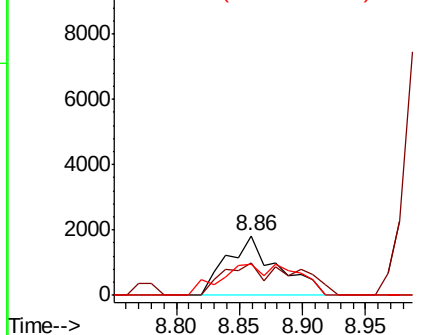
#49
 1,4-Dioxane
 Concen: 143.175 ug/l
 RT: 8.86 min Scan# 796
 Delta R.T. 0.01 min
 Lab File: VD060792.D
 Acq: 28 Jan 2019 15:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tgt Ion: 88 Resp: 5054
 Ion Ratio Lower Upper
 88 100
 43 53.6 40.9 61.3
 58 52.0 52.2 78.4#

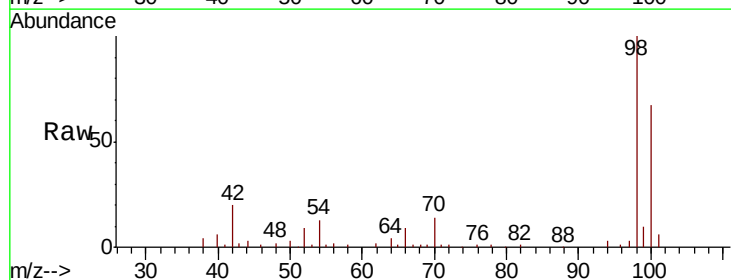


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

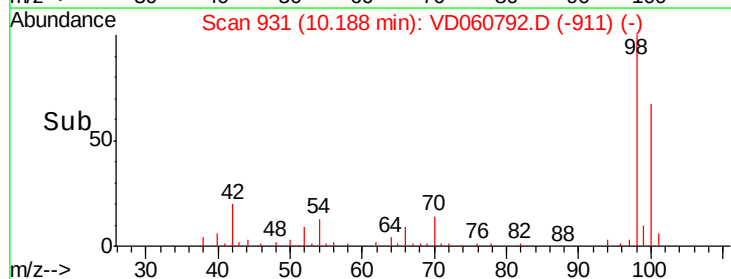
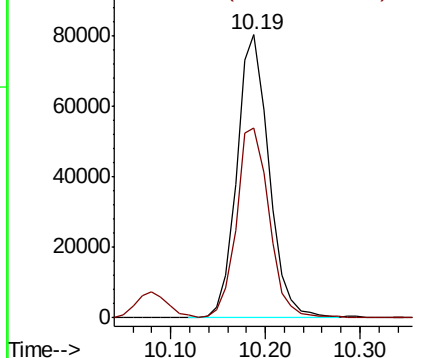


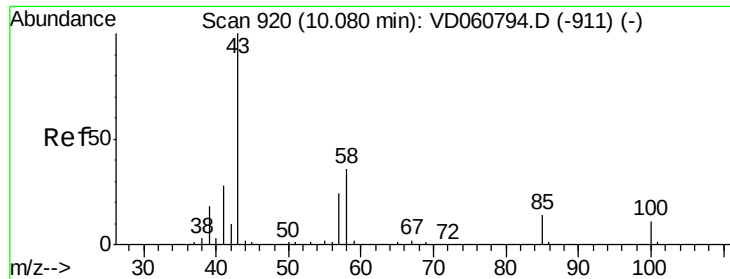
#50
 Toluene-d8
 Concen: 143.175 ug/l
 RT: 10.19 min Scan# 931
 Delta R.T. -0.00 min
 Lab File: VD060792.D
 Acq: 28 Jan 2019 15:42

Tgt Ion: 98 Resp: 188517
 Ion Ratio Lower Upper
 98 100
 100 67.3 51.0 76.6



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

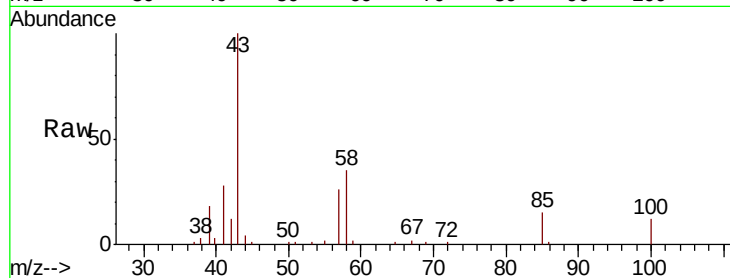




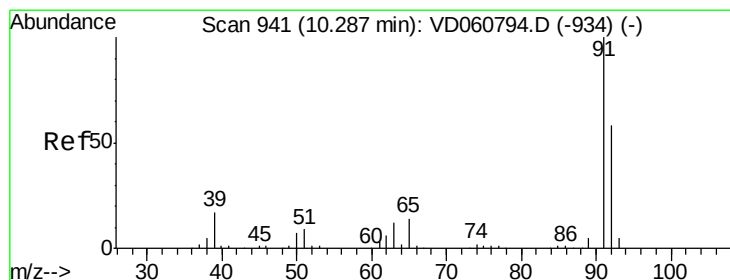
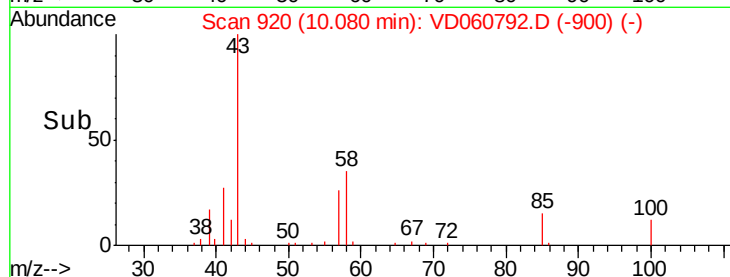
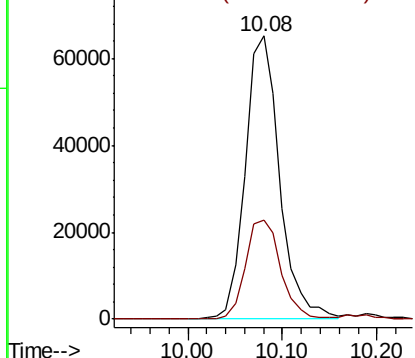
#51
4-Methyl-2-Pentanone
Concen: 41.229 ug/l
RT: 10.08 min Scan# 920
Delta R.T. -0.00 min
Lab File: VD060792.D
Acq: 28 Jan 2019 15:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion: 43 Resp: 163968
Ion Ratio Lower Upper
43 100
58 35.1 28.4 42.6

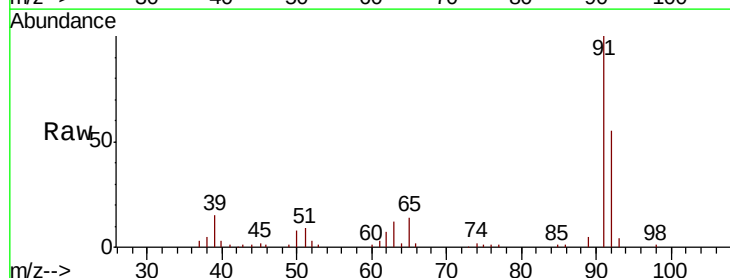


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

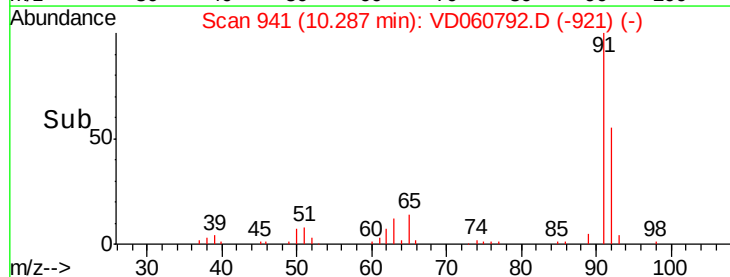
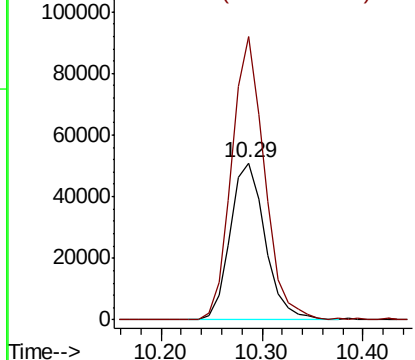


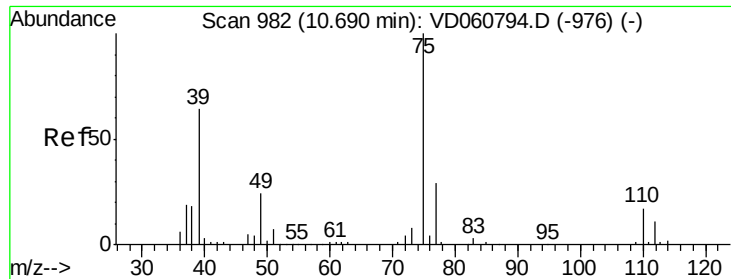
#52
Toluene
Concen: 9.642 ug/l
RT: 10.29 min Scan# 941
Delta R.T. -0.00 min
Lab File: VD060792.D
Acq: 28 Jan 2019 15:42

Tgt Ion: 92 Resp: 121846
Ion Ratio Lower Upper
92 100
91 180.5 137.7 206.5



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

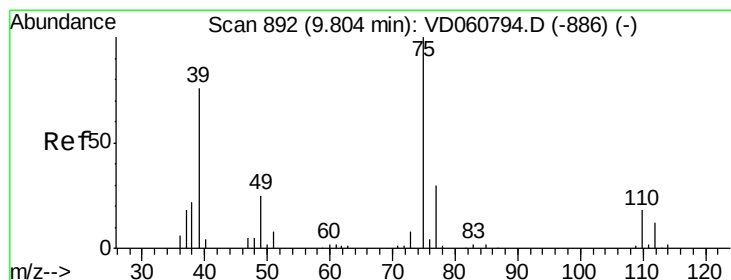
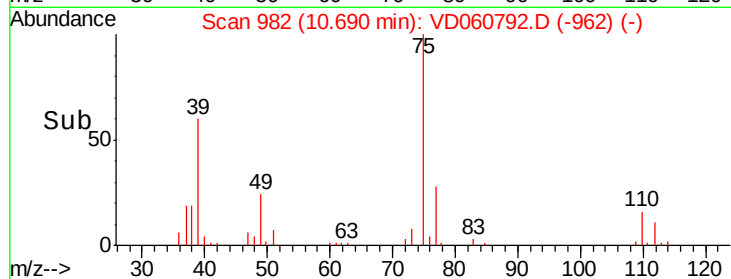
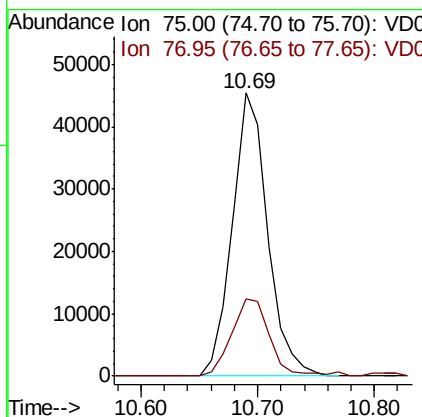
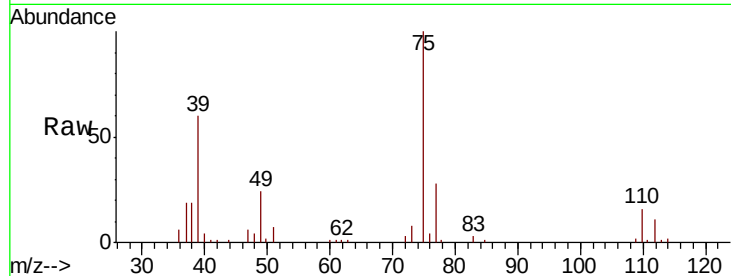




#53
 t-1,3-Dichloropropene
 Concen: 9.839 ug/l
 RT: 10.69 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VD060792.D
 Acq: 28 Jan 2019 15:42

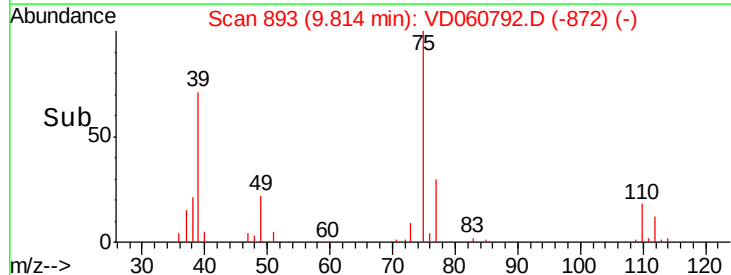
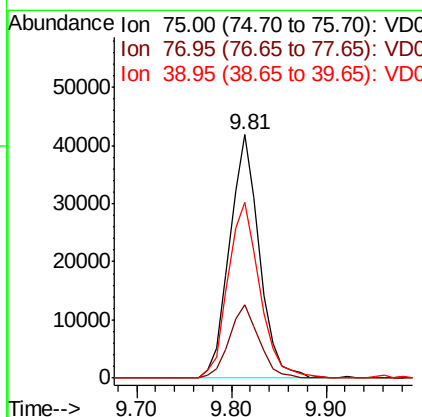
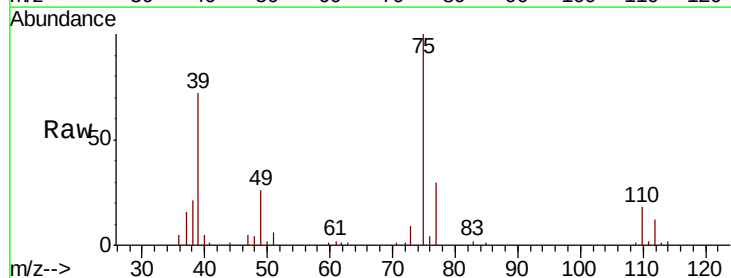
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

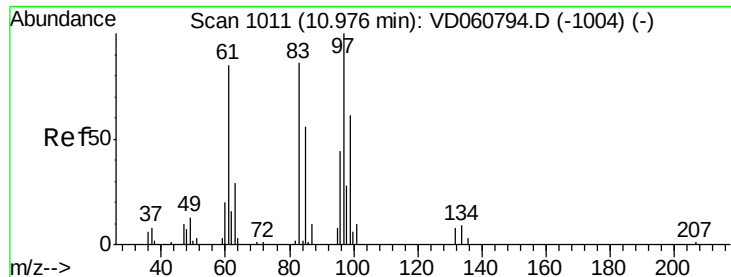
Tgt Ion: 75 Resp: 95062
 Ion Ratio Lower Upper
 75 100
 77 27.5 23.0 34.6



#54
 cis-1,3-Dichloropropene
 Concen: 9.131 ug/l
 RT: 9.81 min Scan# 893
 Delta R.T. 0.01 min
 Lab File: VD060792.D
 Acq: 28 Jan 2019 15:42

Tgt Ion: 75 Resp: 91065
 Ion Ratio Lower Upper
 75 100
 77 30.3 23.9 35.9
 39 72.0 60.4 90.6





#55

1,1,2-Trichloroethane

Concen: 9.013 ug/l

RT: 10.98 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VD060792.D

Acq: 28 Jan 2019 15:42

Instrument :

MSVOA_D

ClientSampled :

VSTDIC010

Tgt Ion: 97 Resp: 40175

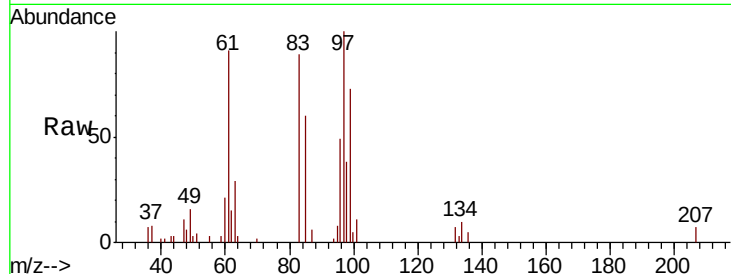
Ion Ratio Lower Upper

97 100

83 89.4 68.5 102.7

85 59.7 45.0 67.6

99 72.5 49.0 73.4

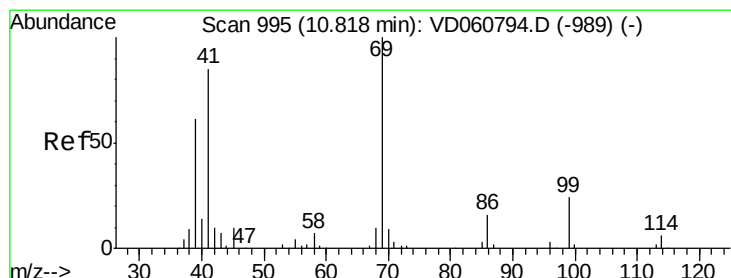
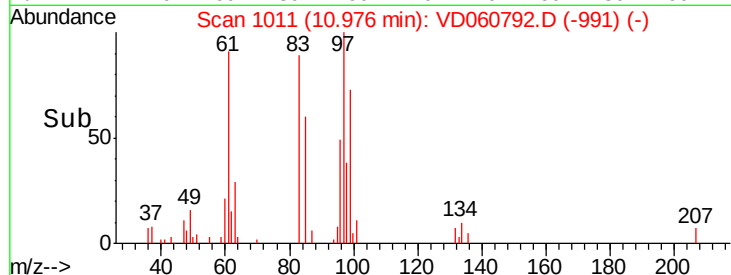
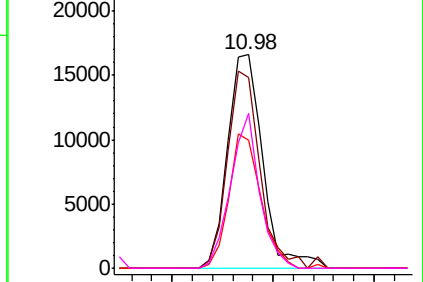


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 9.158 ug/l

RT: 10.83 min Scan# 996

Delta R.T. 0.01 min

Lab File: VD060792.D

Acq: 28 Jan 2019 15:42

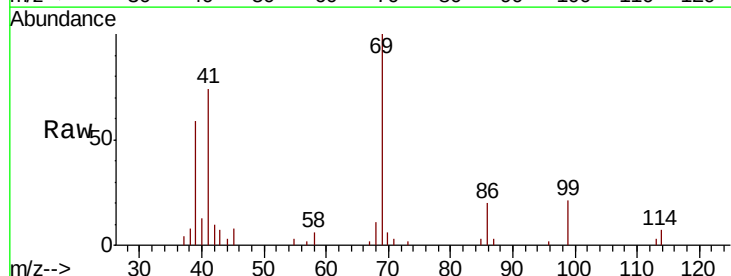
Tgt Ion: 69 Resp: 48925

Ion Ratio Lower Upper

69 100

41 74.0 68.2 102.2

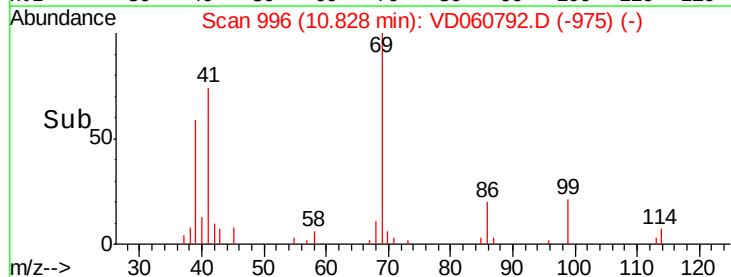
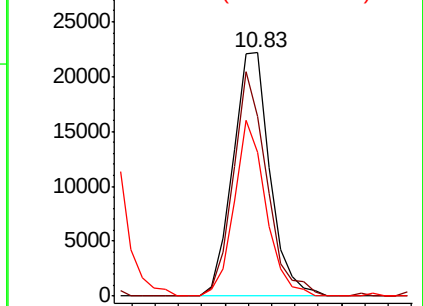
39 58.8 49.4 74.0

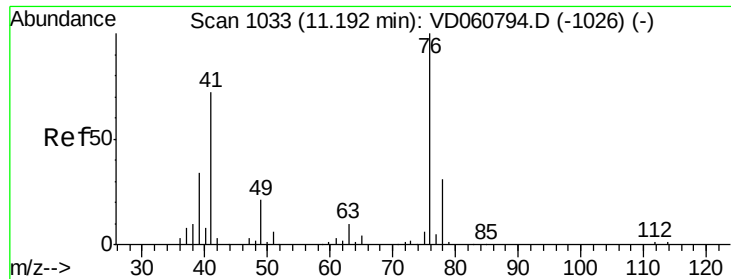


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

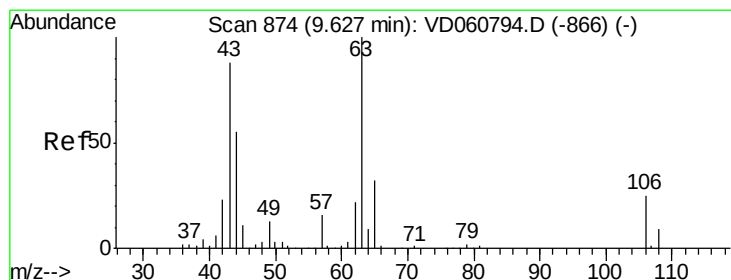
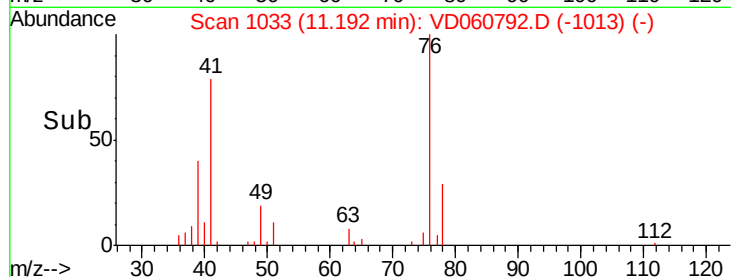
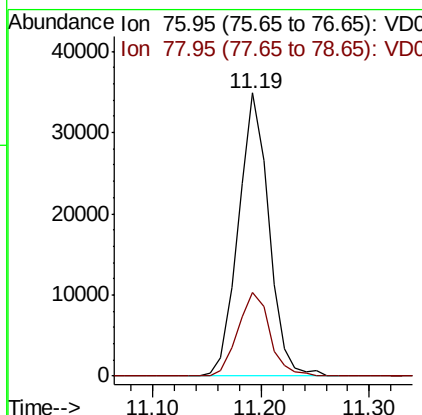
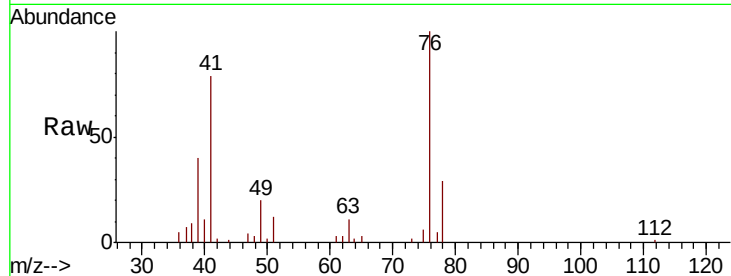




#57
 1,3-Dichloropropane
 Concen: 9.355 ug/l
 RT: 11.19 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VD060792.D
 Acq: 28 Jan 2019 15:42

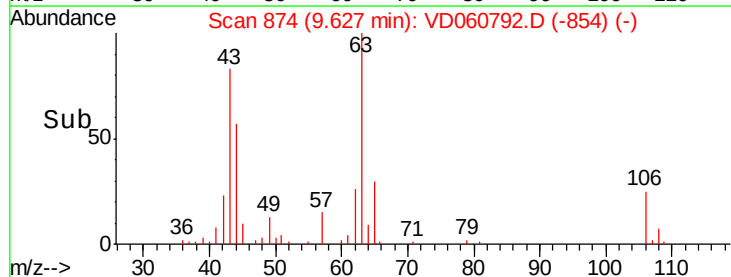
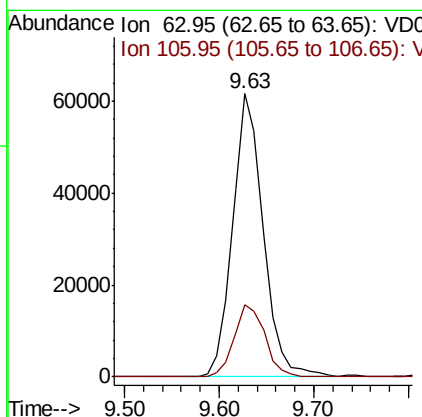
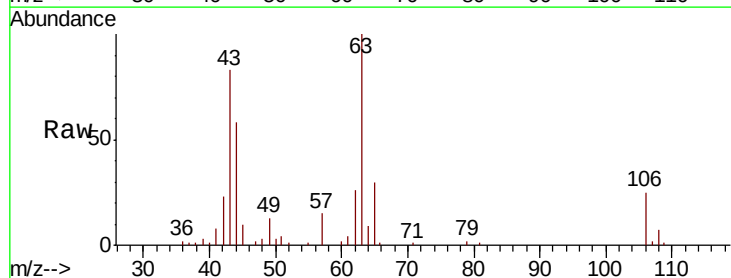
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

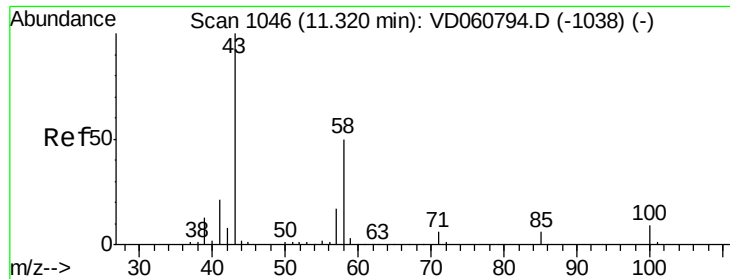
Tgt Ion: 76 Resp: 68375
 Ion Ratio Lower Upper
 76 100
 78 29.5 24.5 36.7



#58
 2-Chloroethyl Vinyl ether
 Concen: 51.087 ug/l
 RT: 9.63 min Scan# 874
 Delta R.T. 0.00 min
 Lab File: VD060792.D
 Acq: 28 Jan 2019 15:42

Tgt Ion: 63 Resp: 137437
 Ion Ratio Lower Upper
 63 100
 106 25.4 19.9 29.9

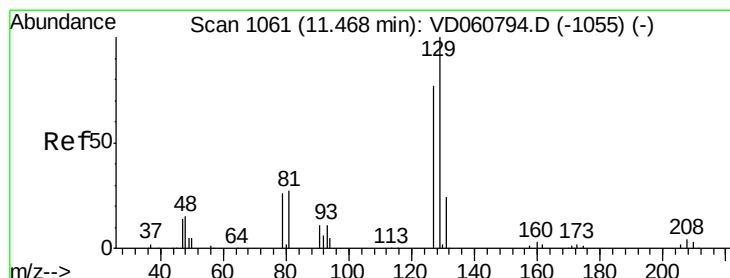
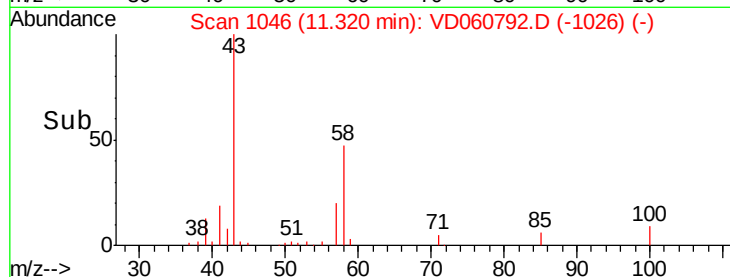
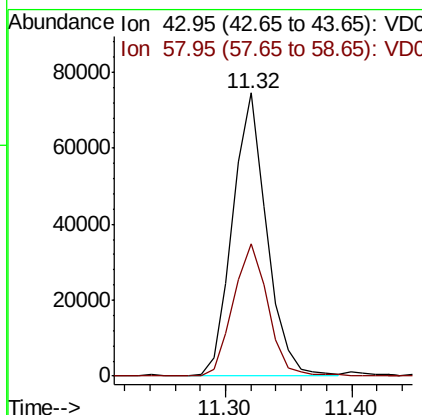
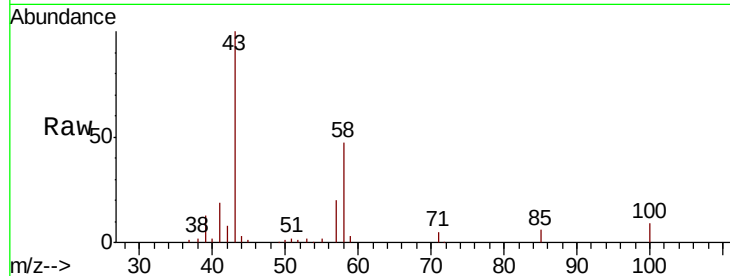




#59
2-Hexanone
Concen: 46.216 ug/l
RT: 11.32 min Scan# 1046
Delta R.T. -0.00 min
Lab File: VD060792.D
Acq: 28 Jan 2019 15:42

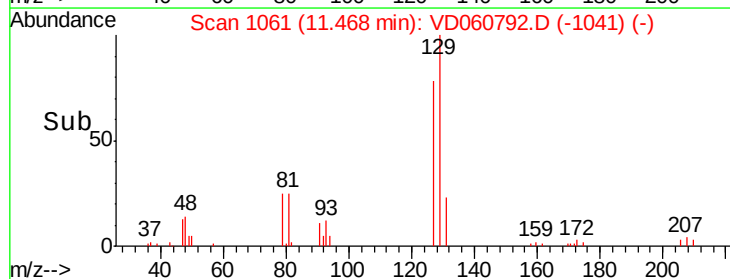
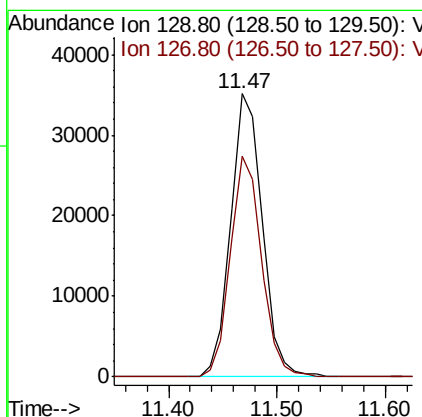
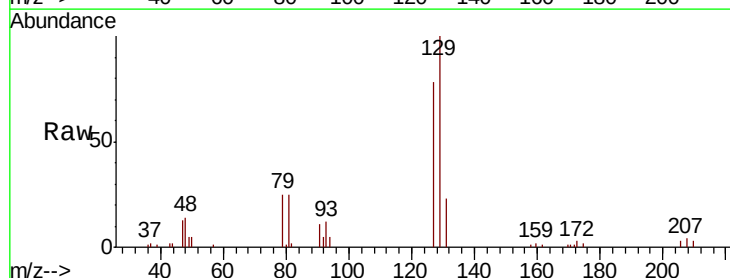
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

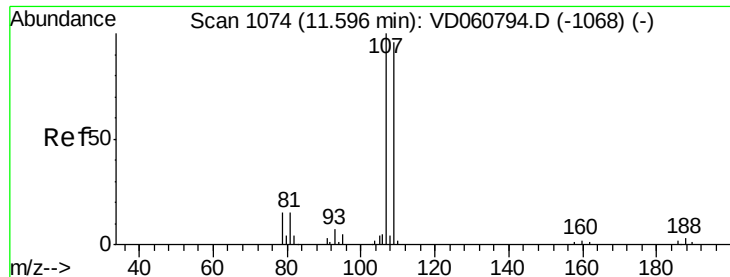
Tgt Ion: 43 Resp: 139062
Ion Ratio Lower Upper
43 100
58 46.7 25.0 75.0



#60
Dibromochloromethane
Concen: 9.671 ug/l
RT: 11.47 min Scan# 1061
Delta R.T. -0.00 min
Lab File: VD060792.D
Acq: 28 Jan 2019 15:42

Tgt Ion: 129 Resp: 71506
Ion Ratio Lower Upper
129 100
127 77.9 38.6 115.7





#61

1,2-Dibromoethane

Concen: 9.364 ug/l

RT: 11.60 min Scan# 1074

Delta R.T. -0.00 min

Lab File: VD060792.D

Acq: 28 Jan 2019 15:42

Instrument :

MSVOA_D

ClientSampleId :

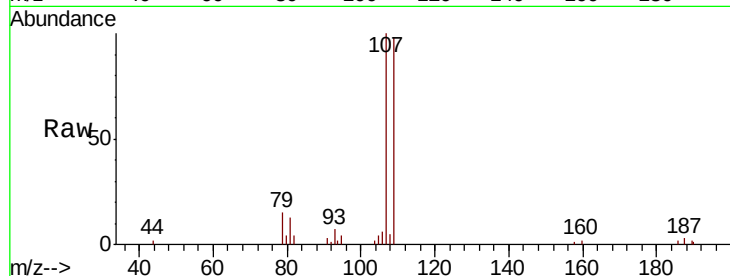
VSTDIC010

Tgt Ion: 107 Resp: 48662

Ion Ratio Lower Upper

107 100

109 97.8 76.6 114.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

11.60

30000

25000

20000

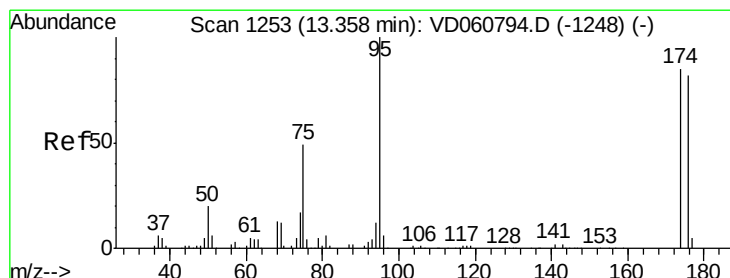
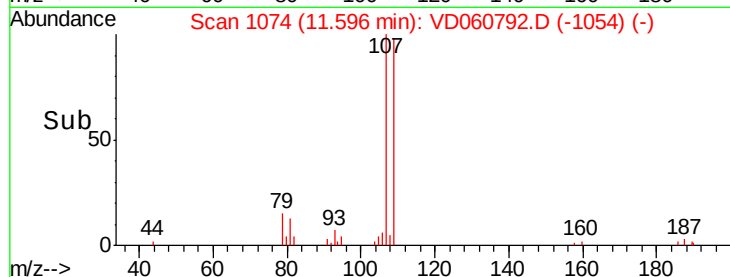
15000

10000

5000

0

Time--> 11.50 11.60 11.70



#62

4-Bromofluorobenzene

Concen: 9.364 ug/l

RT: 13.36 min Scan# 1253

Delta R.T. -0.00 min

Lab File: VD060792.D

Acq: 28 Jan 2019 15:42

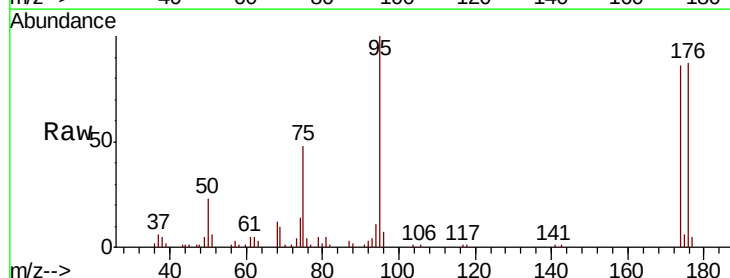
Tgt Ion: 95 Resp: 95572

Ion Ratio Lower Upper

95 100

174 85.9 0.0 169.6

176 87.4 0.0 163.8



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

13.36

80000

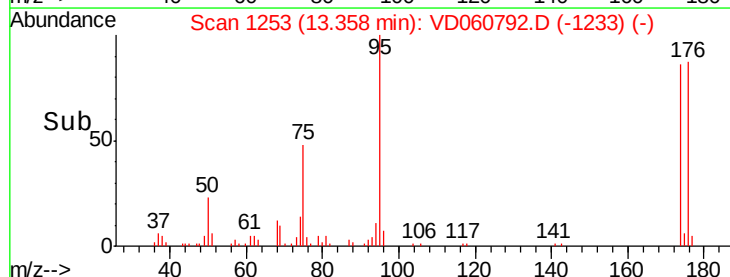
60000

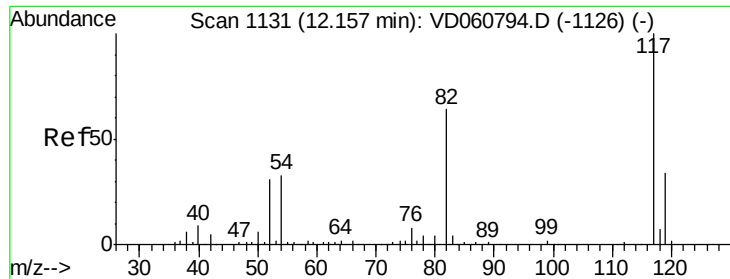
40000

20000

0

Time--> 13.30 13.40





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.16 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VD060792.D

Acq: 28 Jan 2019 15:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

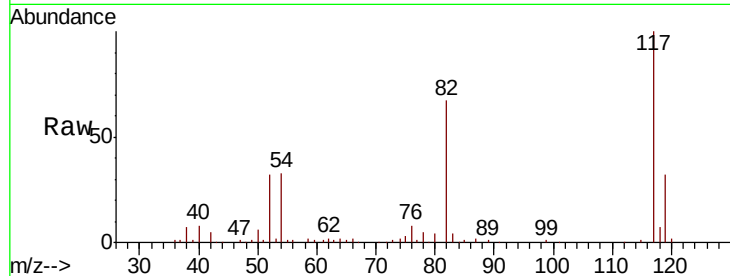
Tgt Ion:117 Resp: 671485

Ion Ratio Lower Upper

117 100

82 67.0 51.5 77.3

119 32.4 27.1 40.7

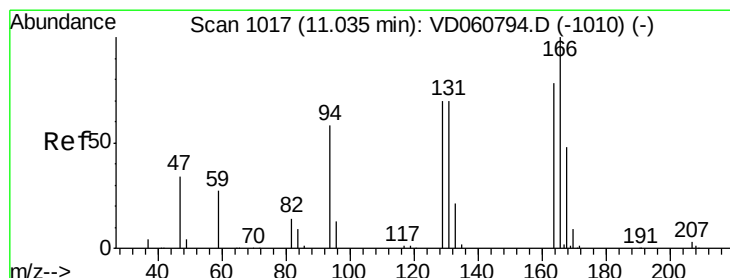
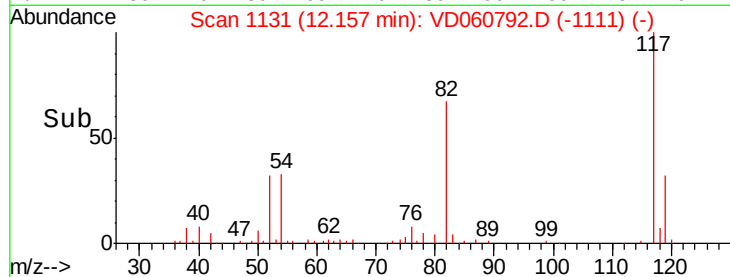
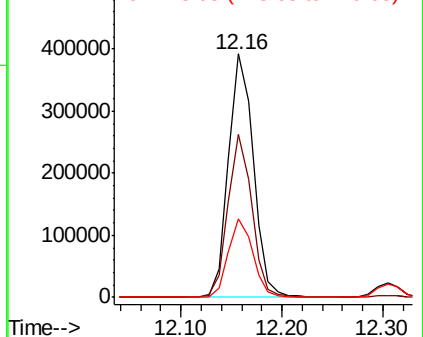


Abundance

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: 9.343 ug/l

RT: 11.03 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VD060792.D

Acq: 28 Jan 2019 15:42

Tgt Ion:164 Resp: 59087

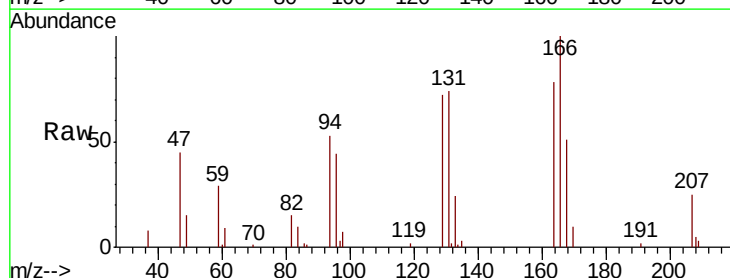
Ion Ratio Lower Upper

164 100

166 128.2 102.6 154.0

129 91.9 72.3 108.5

131 95.1 72.1 108.1



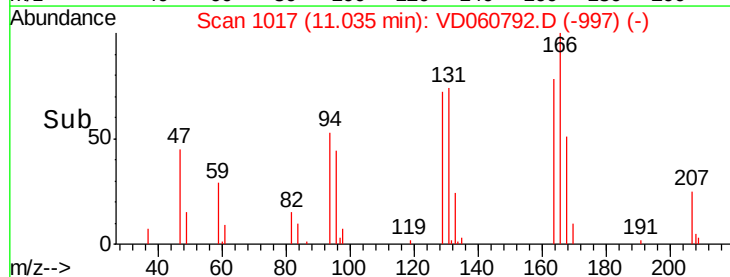
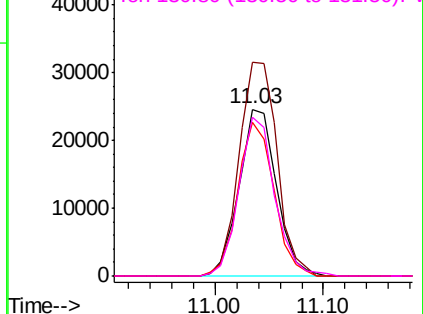
Abundance

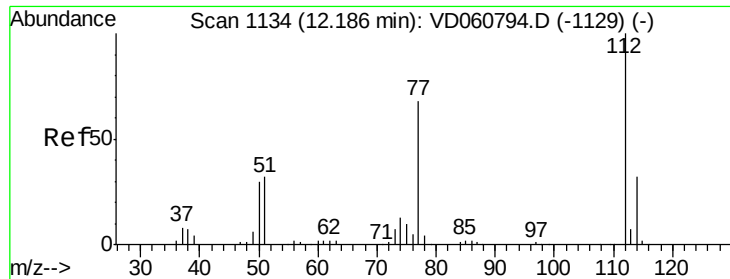
Ion 163.85 (163.55 to 164.55): V

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

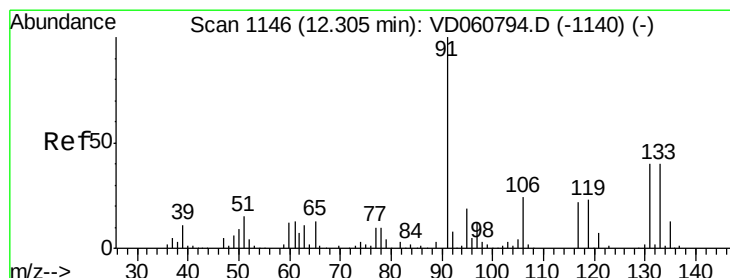
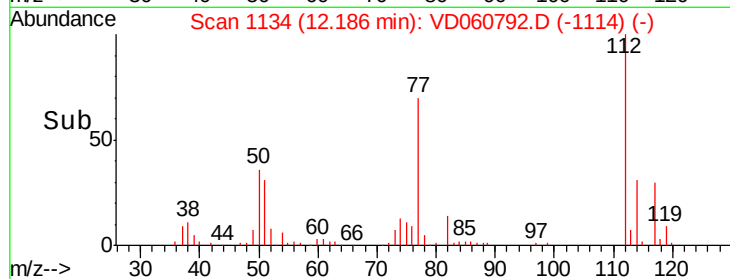
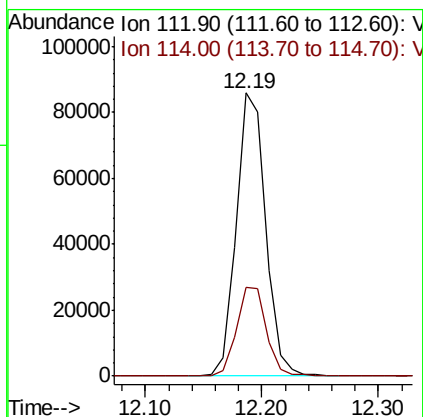
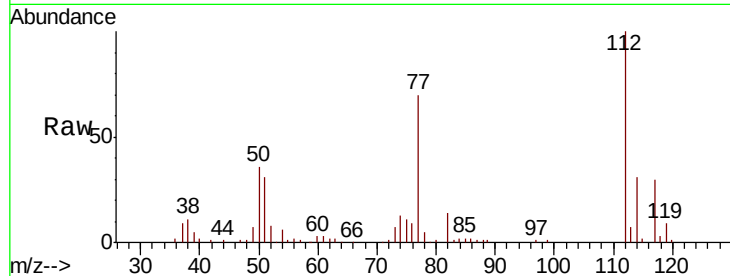




#65
Chlorobenzene
Concen: 9.995 ug/l
RT: 12.19 min Scan# 1134
Delta R.T. -0.00 min
Lab File: VD060792.D
Acq: 28 Jan 2019 15:42

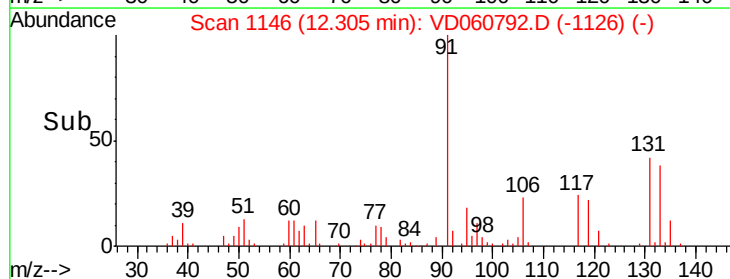
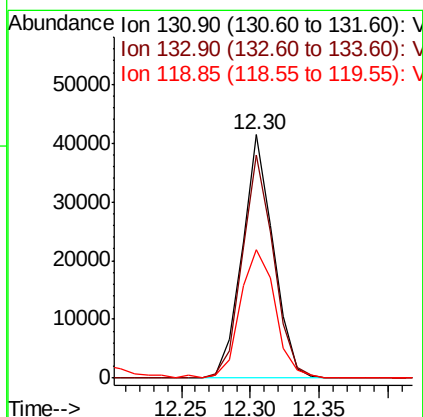
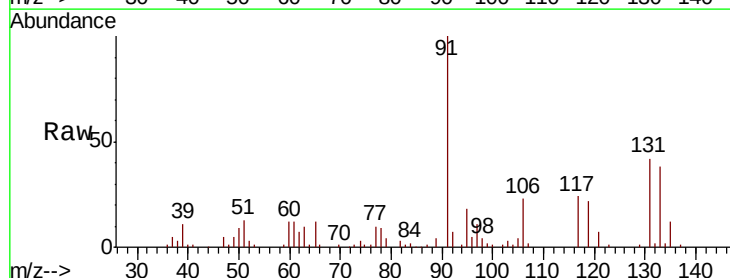
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

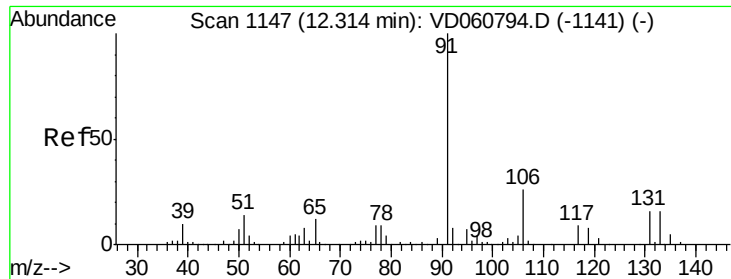
Tgt Ion:112 Resp: 149317
Ion Ratio Lower Upper
112 100
114 31.4 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 10.211 ug/l
RT: 12.30 min Scan# 1146
Delta R.T. -0.00 min
Lab File: VD060792.D
Acq: 28 Jan 2019 15:42

Tgt Ion:131 Resp: 65012
Ion Ratio Lower Upper
131 100
133 91.5 49.9 149.7
119 52.7 28.5 85.5

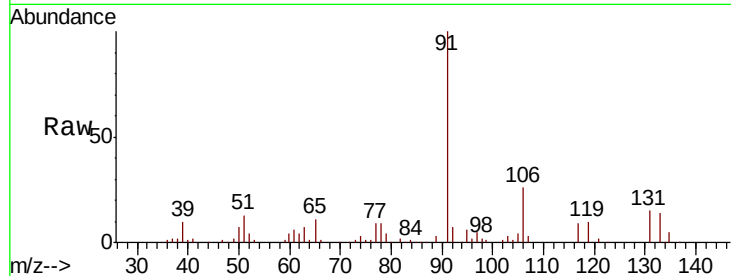




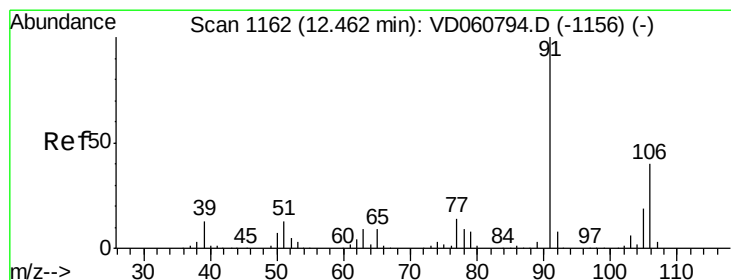
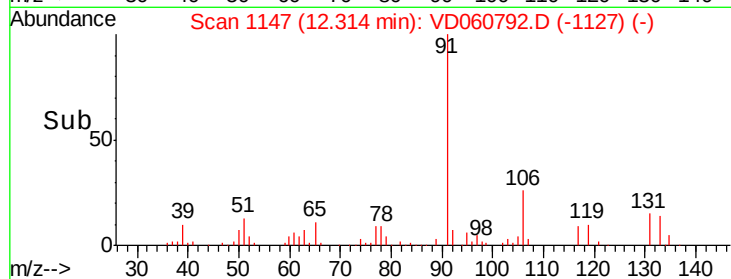
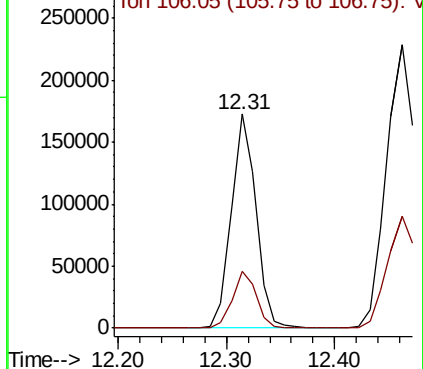
#67
Ethyl Benzene
Concen: 10.262 ug/l
RT: 12.31 min Scan# 1147
Delta R.T. -0.00 min
Lab File: VD060792.D
Acq: 28 Jan 2019 15:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion: 91 Resp: 274328
Ion Ratio Lower Upper
91 100
106 26.4 21.0 31.6

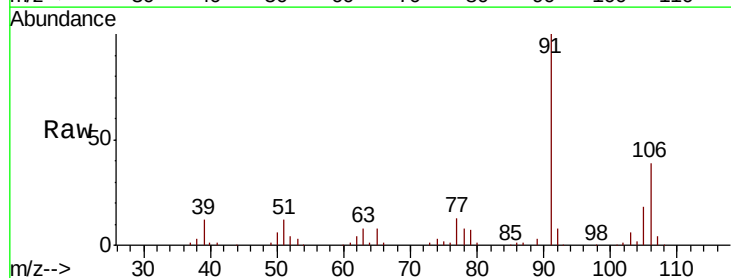


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

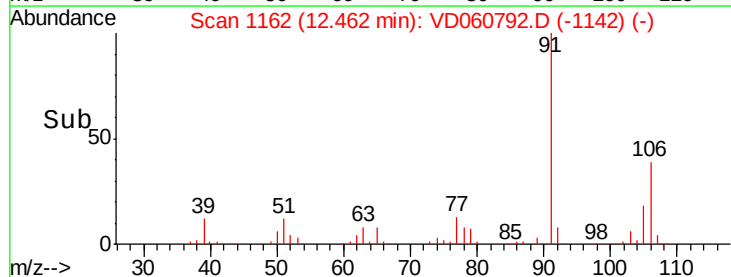
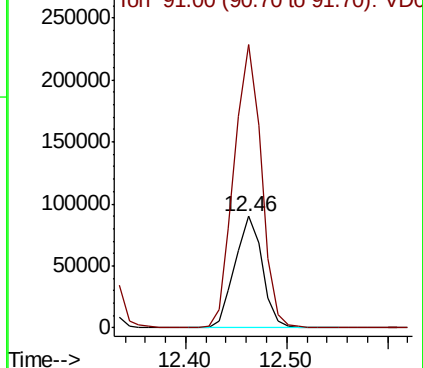


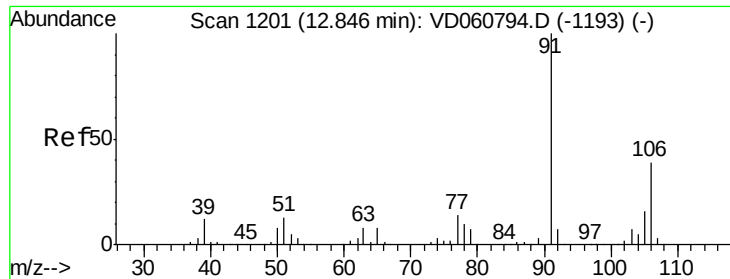
#68
m/p-Xylenes
Concen: 18.970 ug/l
RT: 12.46 min Scan# 1162
Delta R.T. 0.00 min
Lab File: VD060792.D
Acq: 28 Jan 2019 15:42

Tgt Ion: 106 Resp: 171300
Ion Ratio Lower Upper
106 100
91 253.4 200.5 300.7



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

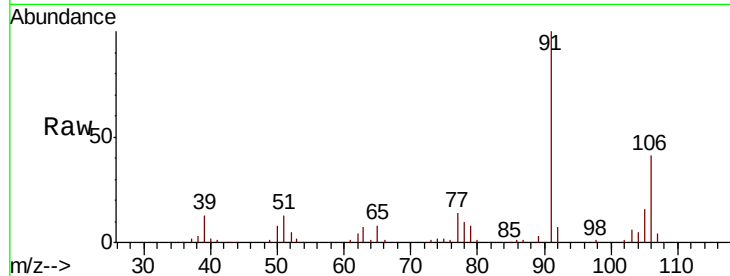




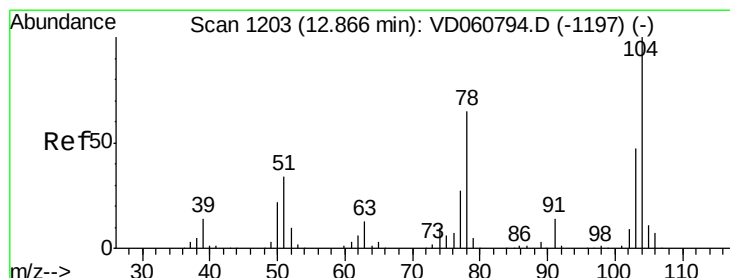
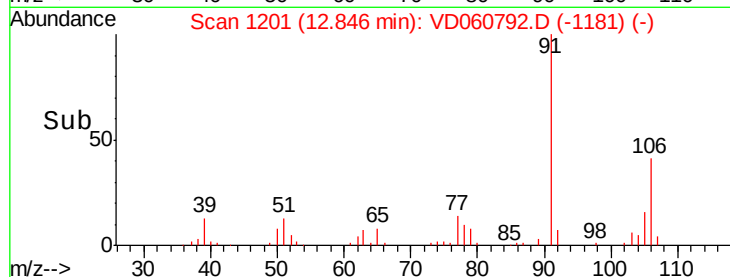
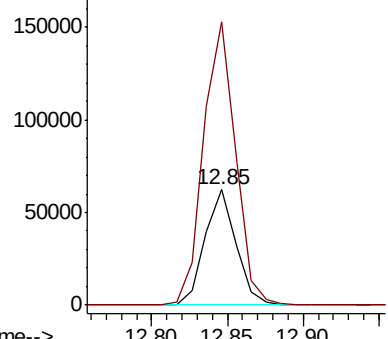
#69
o-Xylene
Concen: 10.390 ug/l
RT: 12.85 min Scan# 1201
Delta R.T. 0.00 min
Lab File: VD060792.D
Acq: 28 Jan 2019 15:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion:106 Resp: 88632
Ion Ratio Lower Upper
106 100
91 244.8 127.6 382.7

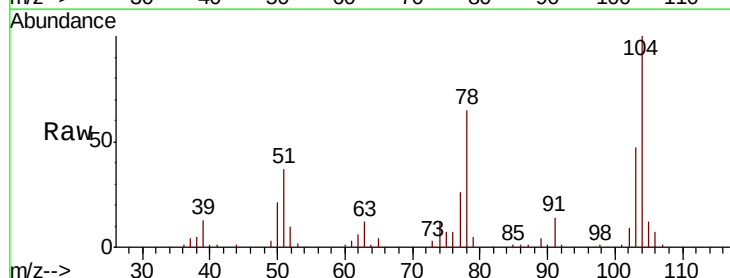


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

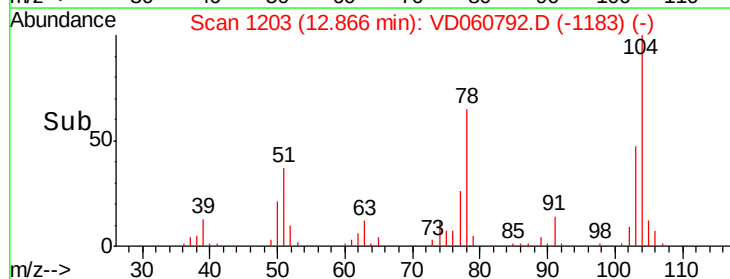
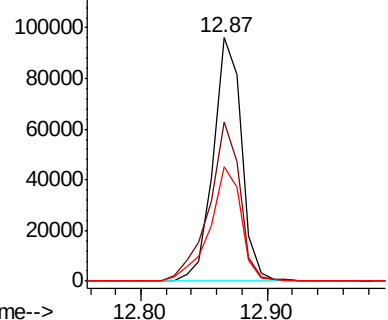


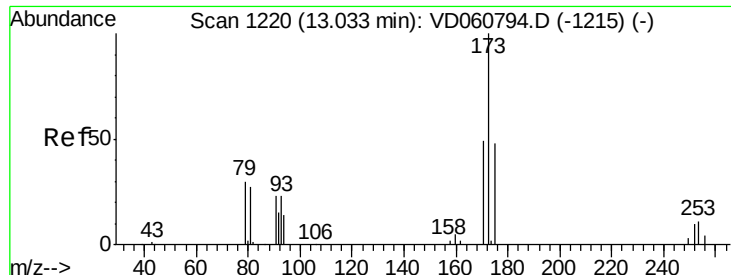
#70
Styrene
Concen: 8.383 ug/l
RT: 12.87 min Scan# 1203
Delta R.T. 0.00 min
Lab File: VD060792.D
Acq: 28 Jan 2019 15:42

Tgt Ion:104 Resp: 147975
Ion Ratio Lower Upper
104 100
78 65.1 52.0 78.0
103 46.8 37.7 56.5



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

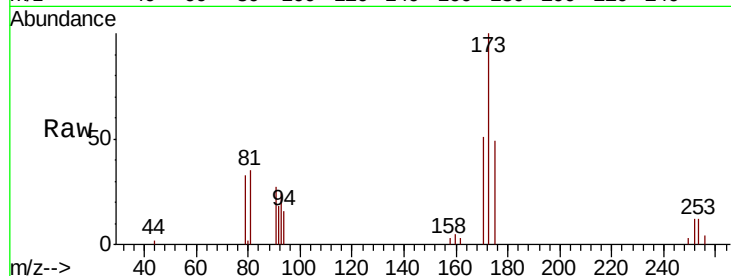




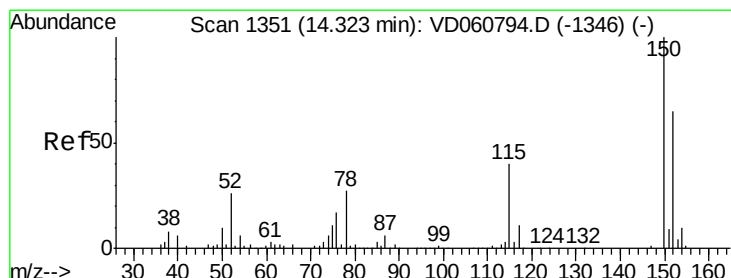
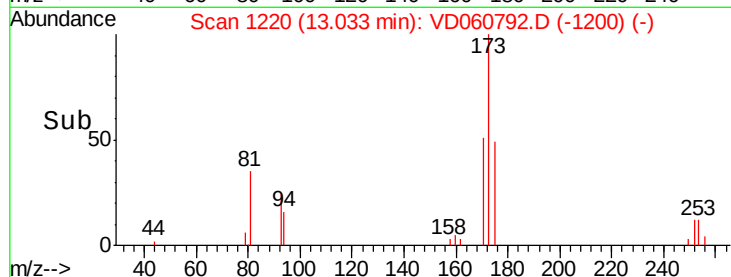
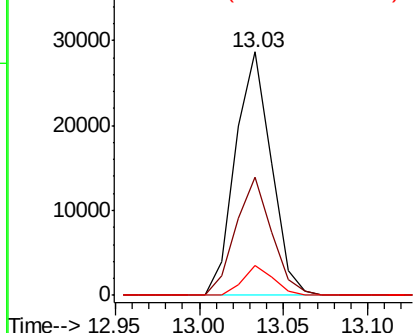
#71
Bromoform
Concen: 8.612 ug/l
RT: 13.03 min Scan# 1220
Delta R.T. -0.00 min
Lab File: VD060792.D
Acq: 28 Jan 2019 15:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion:173 Resp: 42302
Ion Ratio Lower Upper
173 100
175 48.6 24.1 72.4
254 12.0 9.1 13.7

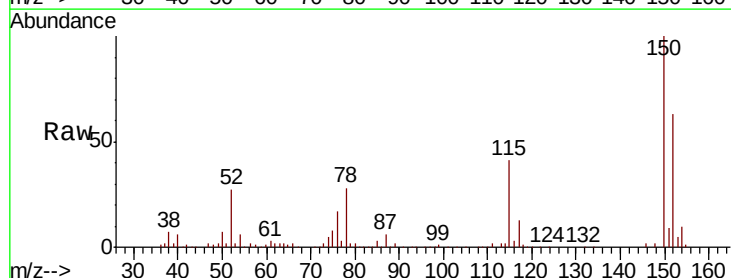


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

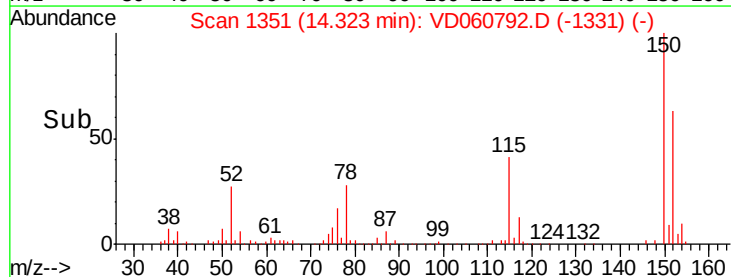
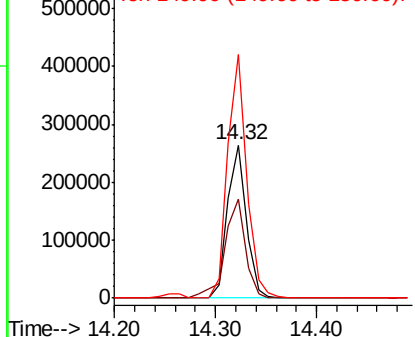


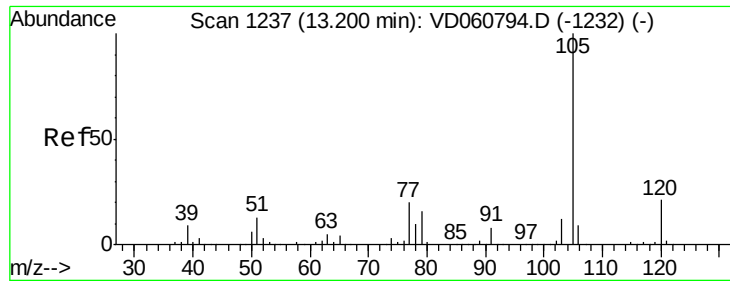
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.32 min Scan# 1351
Delta R.T. 0.00 min
Lab File: VD060792.D
Acq: 28 Jan 2019 15:42

Tgt Ion:152 Resp: 343704
Ion Ratio Lower Upper
152 100
115 64.6 31.6 95.0
150 159.0 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: 10.198 ug/l

RT: 13.20 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VD060792.D

Acq: 28 Jan 2019 15:42

Instrument :

MSVOA_D

ClientSampleId :

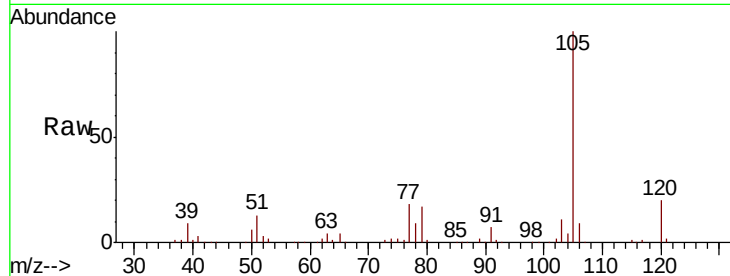
VSTDIC010

Tgt Ion: 105 Resp: 271770

Ion Ratio Lower Upper

105 100

120 20.4 10.7 32.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

200000

150000

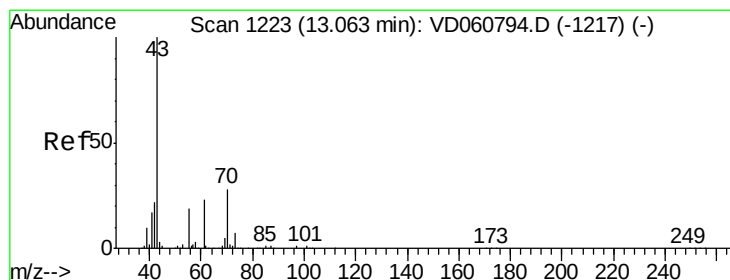
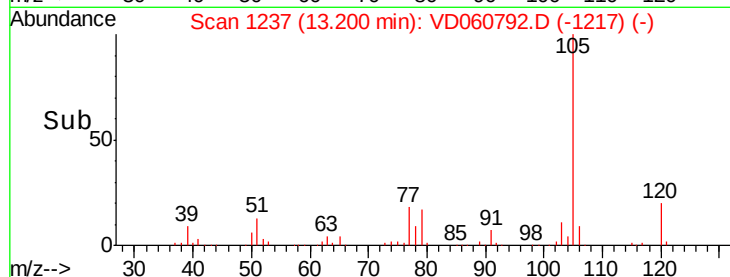
100000

50000

0

13.10 13.20 13.30

Time-->



#74

N-ethyl acetate

Concen: 8.829 ug/l

RT: 13.06 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD060792.D

Acq: 28 Jan 2019 15:42

Tgt Ion: 43 Resp: 75986

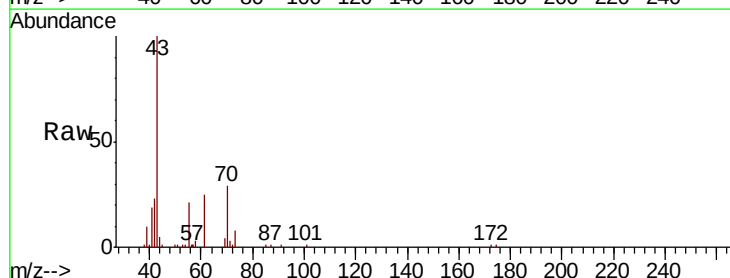
Ion Ratio Lower Upper

43 100

70 29.3 22.2 33.4

55 20.8 15.5 23.3

61 24.7 18.4 27.6



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

80000

60000

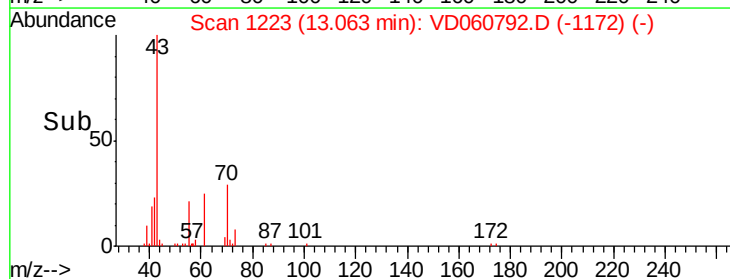
40000

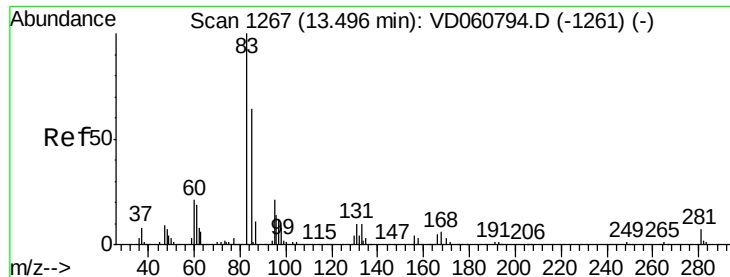
20000

0

13.00 13.10 13.20

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 8.646 ug/l

RT: 13.50 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VD060792.D

Acq: 28 Jan 2019 15:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

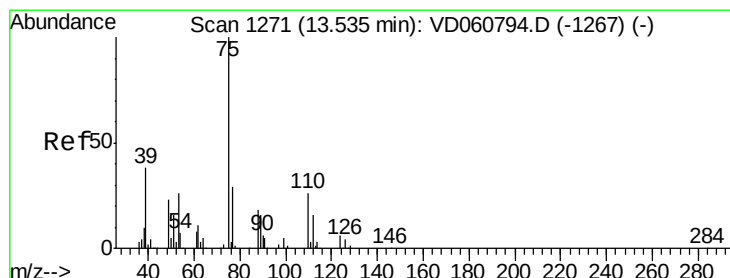
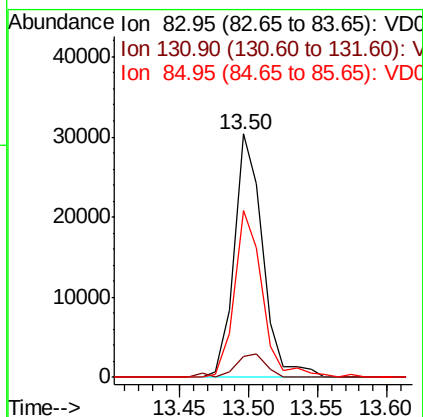
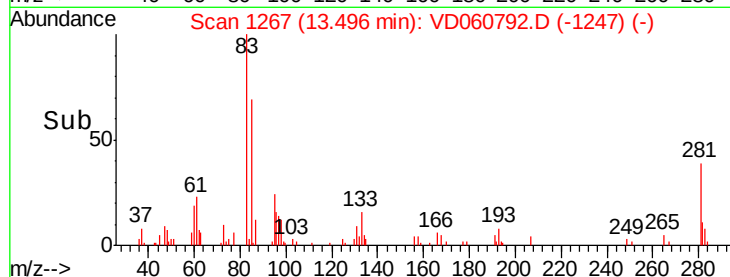
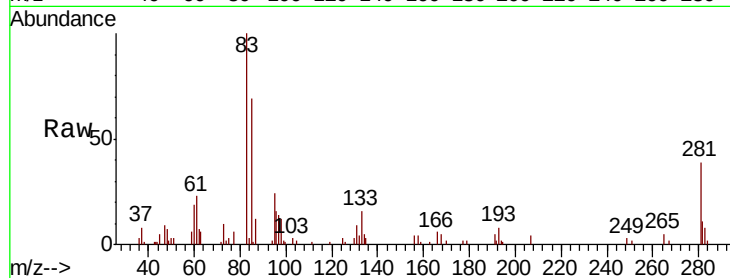
Tgt Ion: 83 Resp: 43610

Ion Ratio Lower Upper

83 100

131 8.6 5.0 15.0

85 68.7 31.8 95.4



#76

1,2,3-Trichloropropane

Concen: 9.704 ug/l

RT: 13.54 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VD060792.D

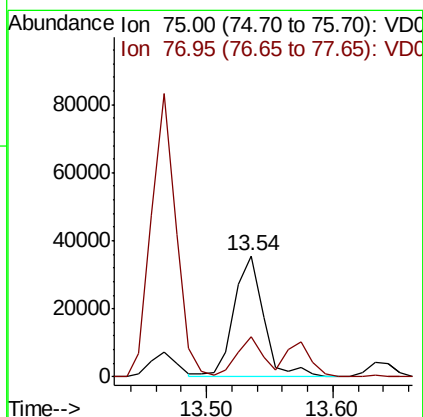
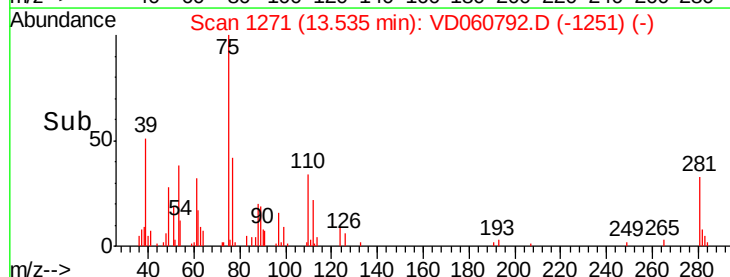
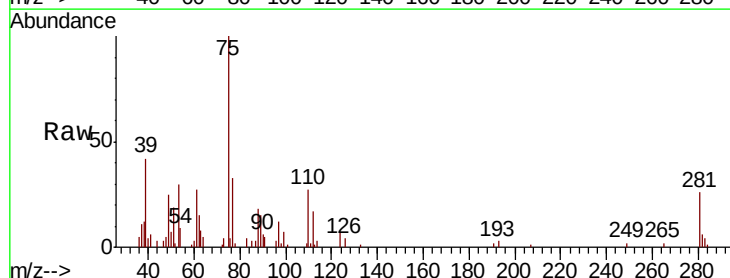
Acq: 28 Jan 2019 15:42

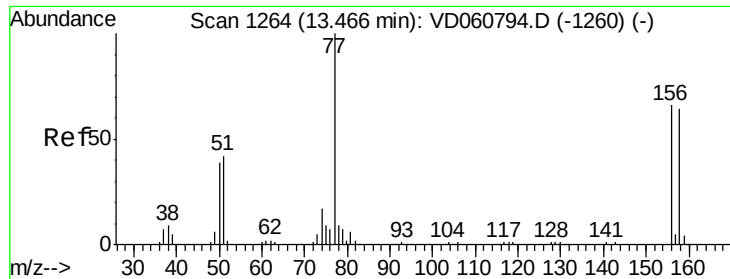
Tgt Ion: 75 Resp: 58091

Ion Ratio Lower Upper

75 100

77 32.6 15.9 47.7





#77

Bromobenzene

Concen: 10.034 ug/l

RT: 13.47 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VD060792.D

Acq: 28 Jan 2019 15:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

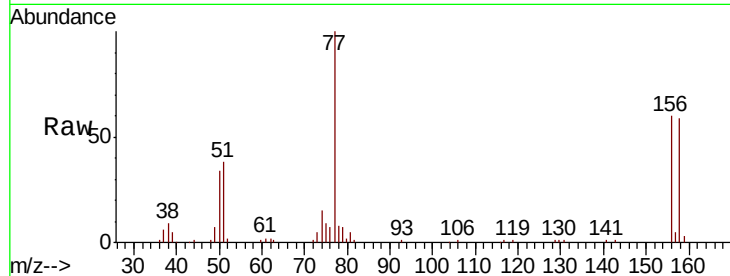
Tgt Ion:156 Resp: 69275

Ion Ratio Lower Upper

156 100

77 166.8 76.0 228.0

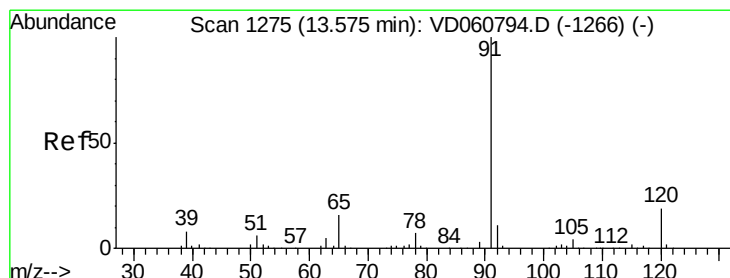
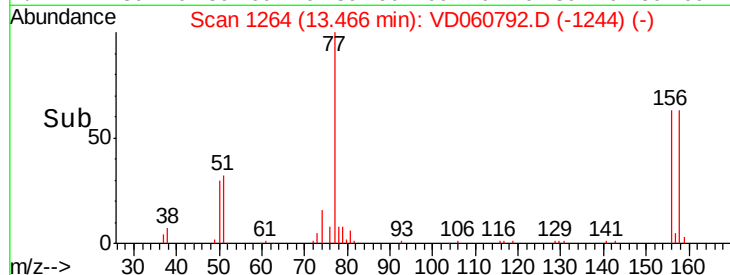
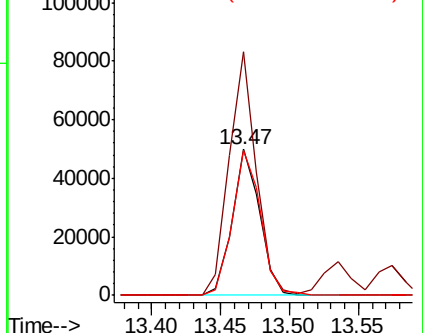
158 99.0 48.4 145.0



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: 9.815 ug/l

RT: 13.57 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VD060792.D

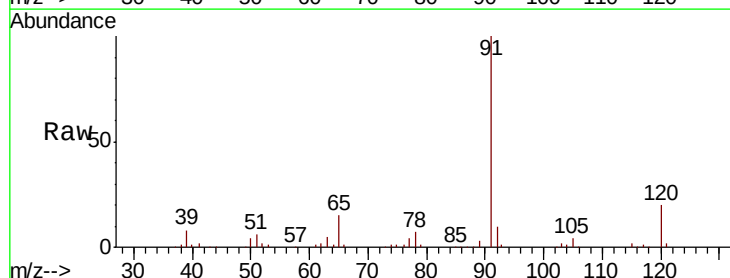
Acq: 28 Jan 2019 15:42

Tgt Ion: 91 Resp: 324825

Ion Ratio Lower Upper

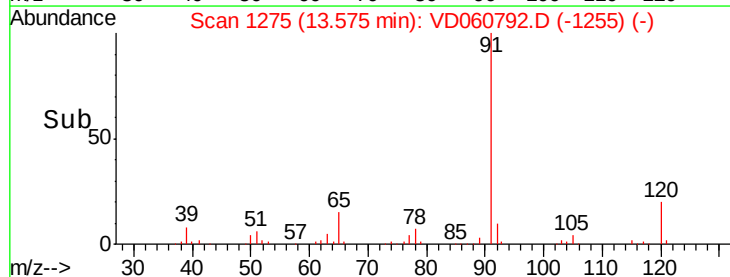
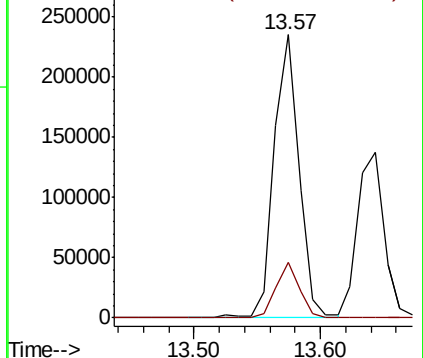
91 100

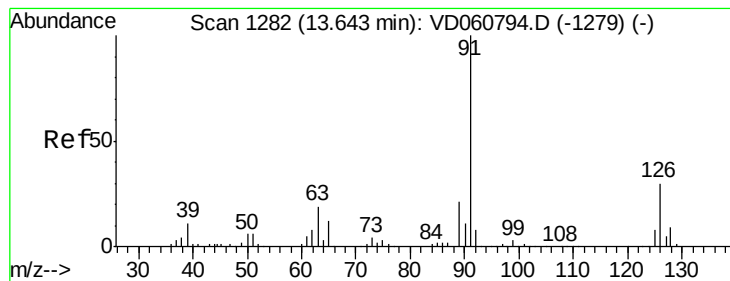
120 19.6 9.7 28.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 10.159 ug/l

RT: 13.64 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD060792.D

Acq: 28 Jan 2019 15:42

Instrument :

MSVOA_D

ClientSampleId :

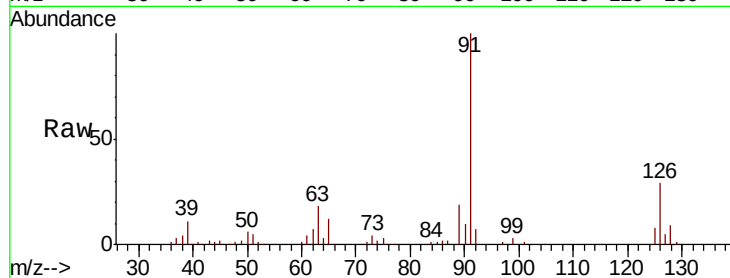
VSTDIC010

Tgt Ion: 91 Resp: 198947

Ion Ratio Lower Upper

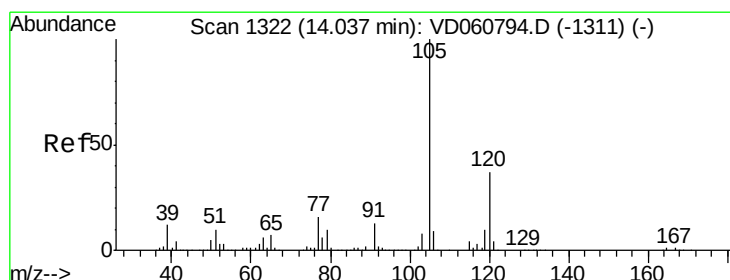
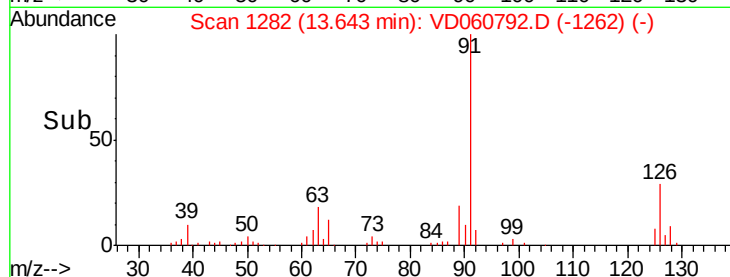
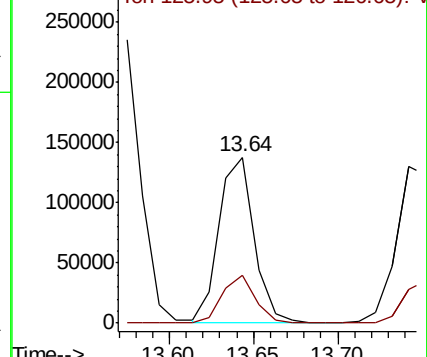
91 100

126 28.7 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: 9.867 ug/l

RT: 14.04 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VD060792.D

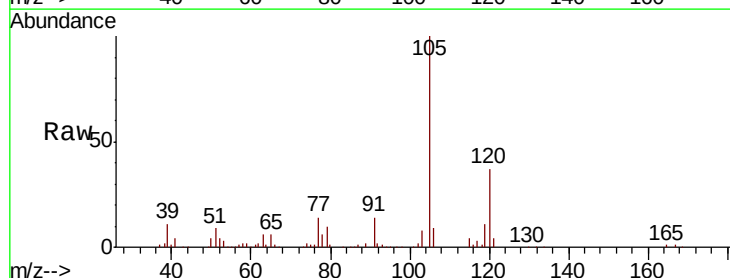
Acq: 28 Jan 2019 15:42

Tgt Ion: 105 Resp: 220770

Ion Ratio Lower Upper

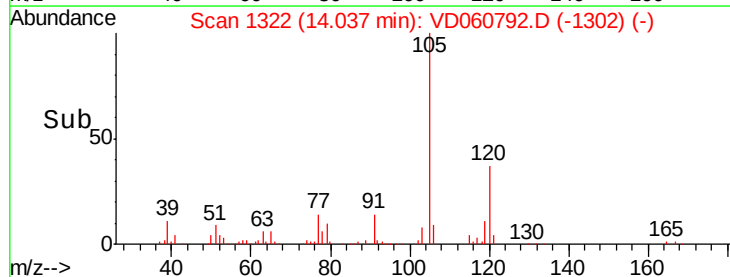
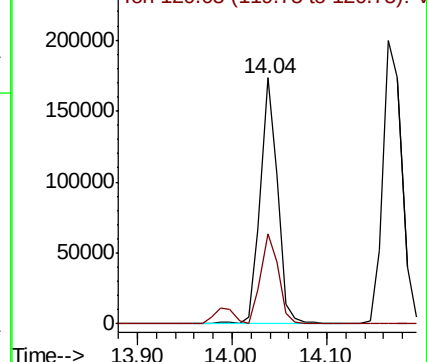
105 100

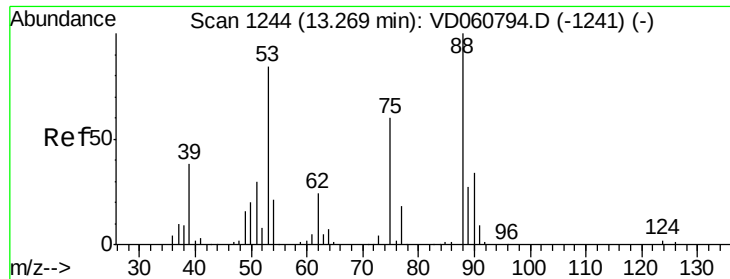
120 36.6 18.4 55.2



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: 8.574 ug/l

RT: 13.27 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD060792.D

Acq: 28 Jan 2019 15:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

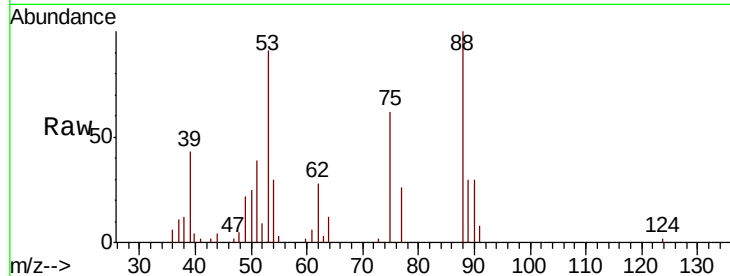
Tgt Ion: 75 Resp: 14031

Ion Ratio Lower Upper

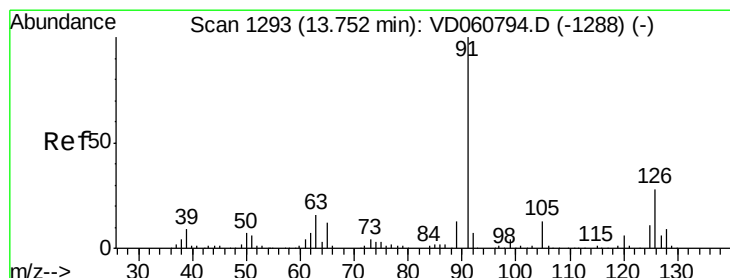
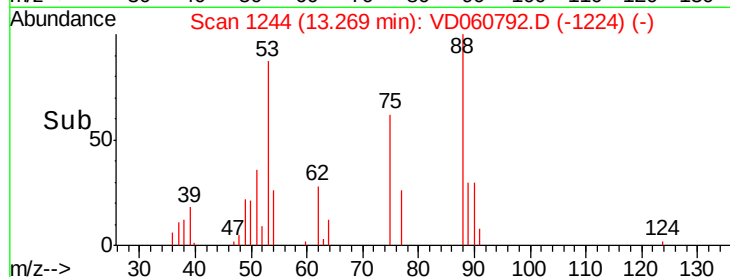
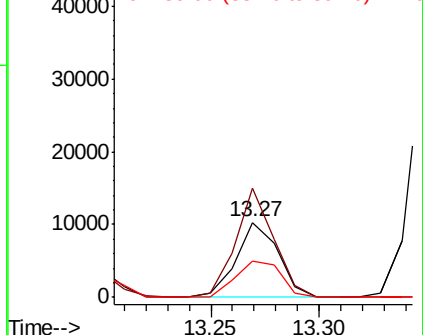
75 100

53 146.5 111.6 167.4

89 49.1 35.9 53.9



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 9.139 ug/l

RT: 13.74 min Scan# 1292

Delta R.T. -0.01 min

Lab File: VD060792.D

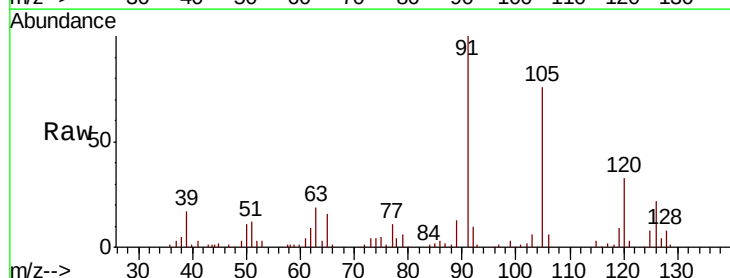
Acq: 28 Jan 2019 15:42

Tgt Ion: 91 Resp: 213880

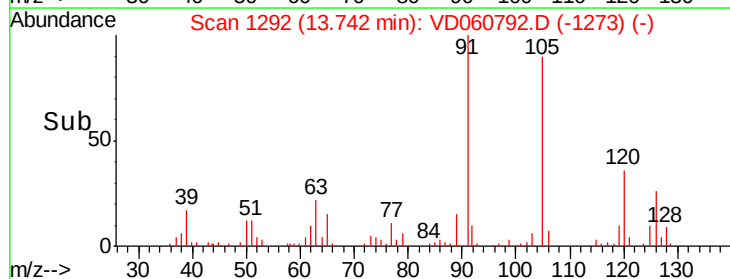
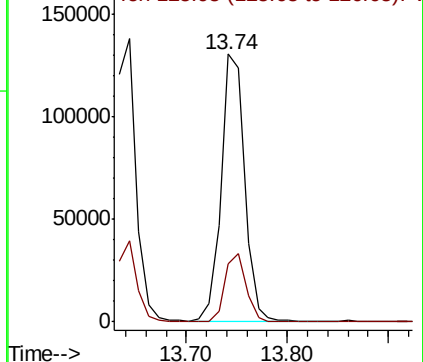
Ion Ratio Lower Upper

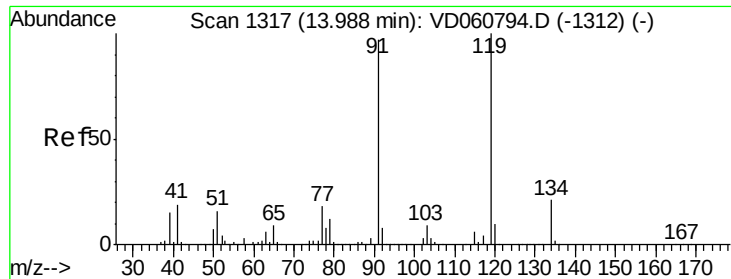
91 100

126 21.7 13.9 41.7



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

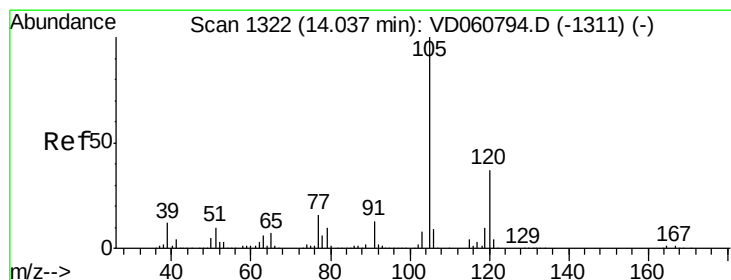
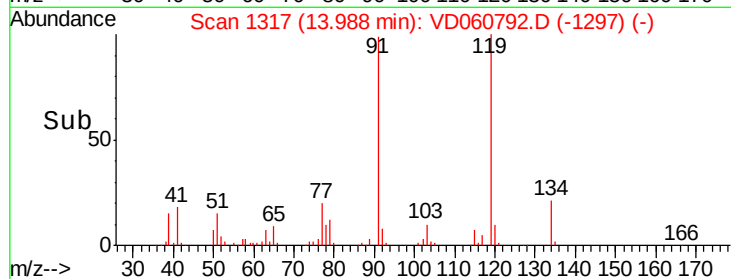
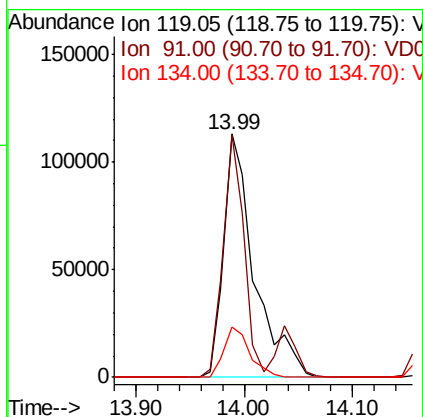
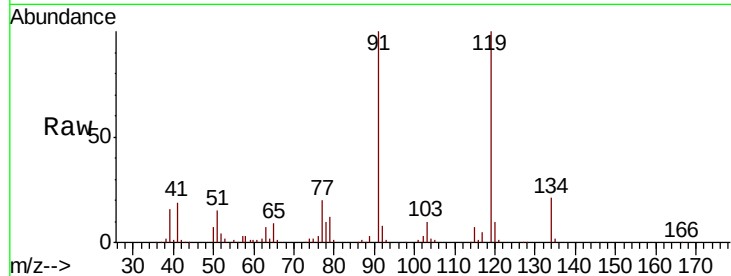




#83
 tert-Butylbenzene
 Concen: 9.317 ug/l
 RT: 13.99 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VD060792.D
 Acq: 28 Jan 2019 15:42

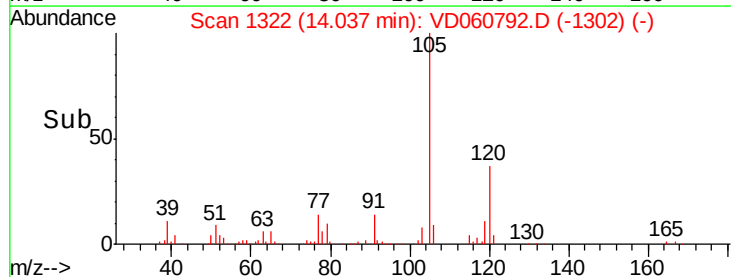
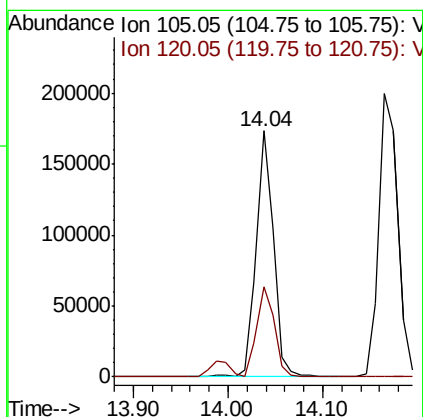
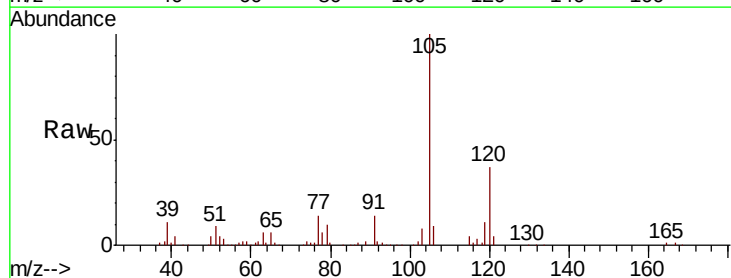
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

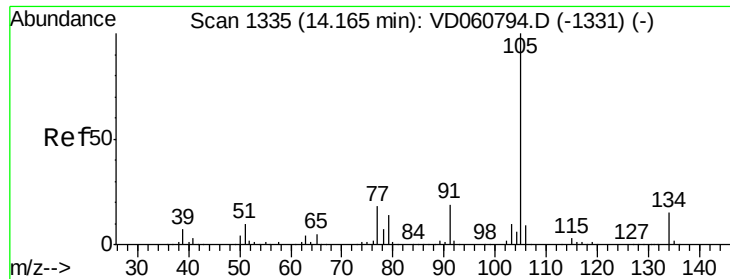
Tgt Ion:119 Resp: 222733
 Ion Ratio Lower Upper
 119 100
 91 99.7 48.5 145.5
 134 20.6 10.3 30.8



#84
 1,2,4-Trimethylbenzene
 Concen: 9.867 ug/l
 RT: 14.04 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VD060792.D
 Acq: 28 Jan 2019 15:42

Tgt Ion:105 Resp: 220770
 Ion Ratio Lower Upper
 105 100
 120 36.6 18.4 55.2

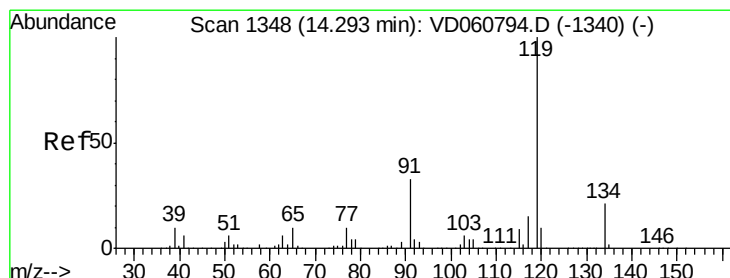
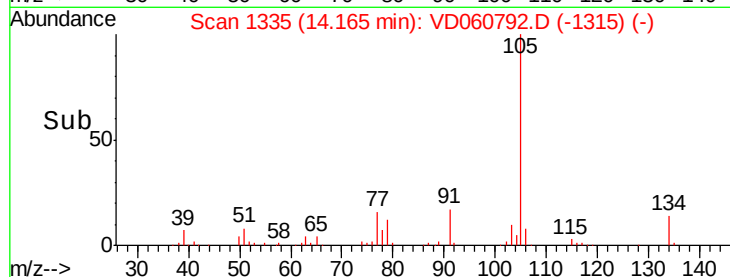
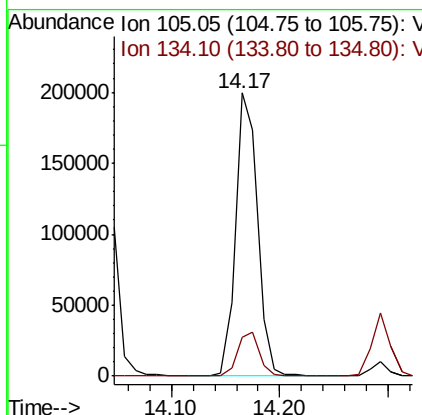
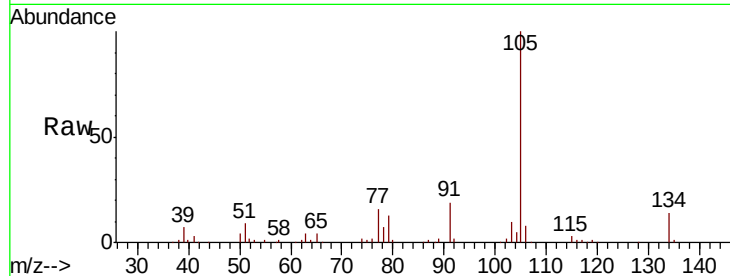




#85
 sec-Butylbenzene
 Concen: 10.369 ug/l
 RT: 14.17 min Scan# 1335
 Delta R.T. -0.00 min
 Lab File: VD060792.D
 Acq: 28 Jan 2019 15:42

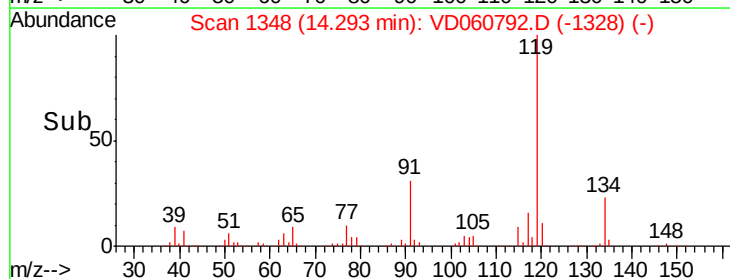
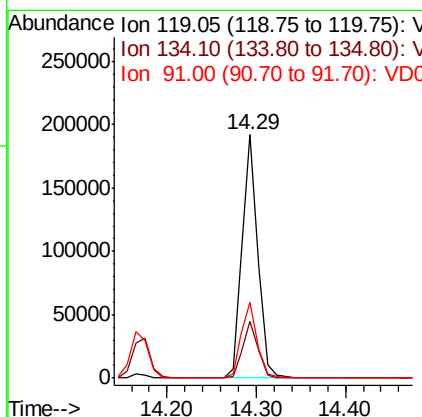
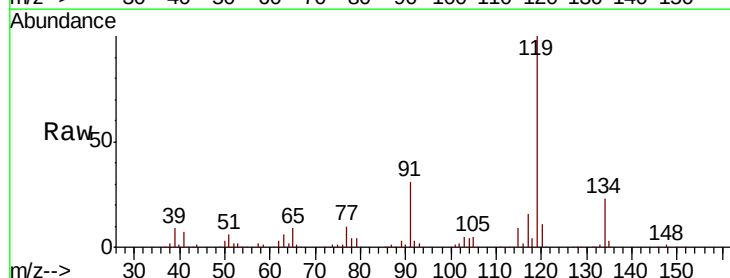
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

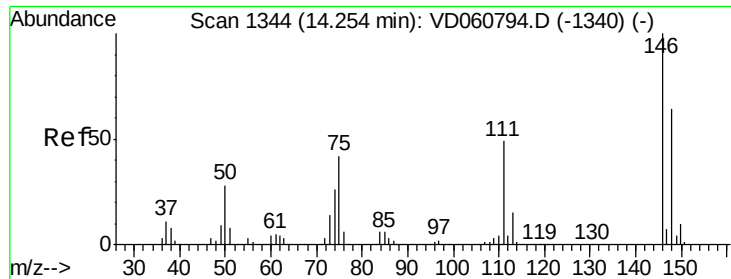
Tgt Ion:105 Resp: 280491
 Ion Ratio Lower Upper
 105 100
 134 13.8 7.4 22.2



#86
 p-Isopropyltoluene
 Concen: 10.171 ug/l
 RT: 14.29 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VD060792.D
 Acq: 28 Jan 2019 15:42

Tgt Ion:119 Resp: 234656
 Ion Ratio Lower Upper
 119 100
 134 23.4 10.8 32.3
 91 31.1 16.7 50.0

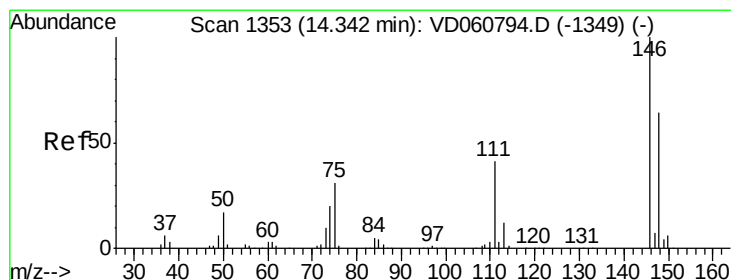
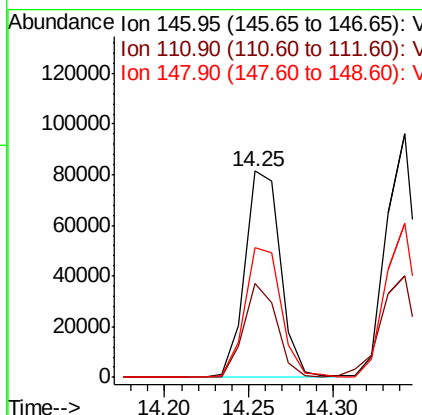
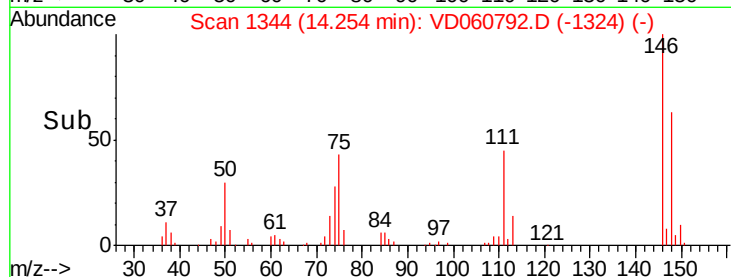
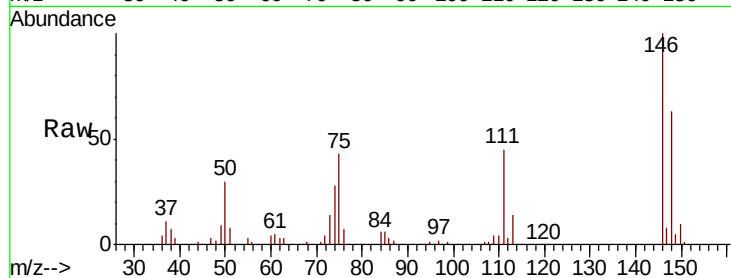




#87
 1,3-Dichlorobenzene
 Concen: 9.738 ug/l
 RT: 14.25 min Scan# 1344
 Delta R.T. -0.00 min
 Lab File: VD060792.D
 Acq: 28 Jan 2019 15:42

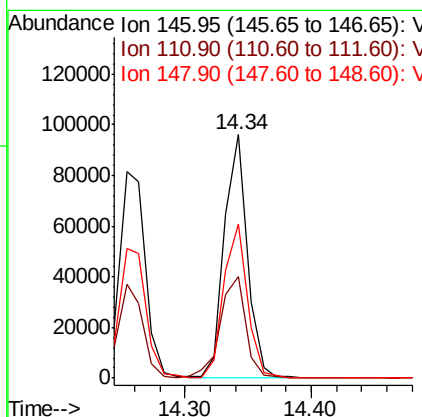
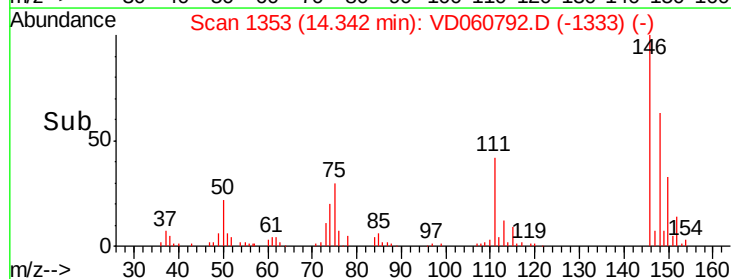
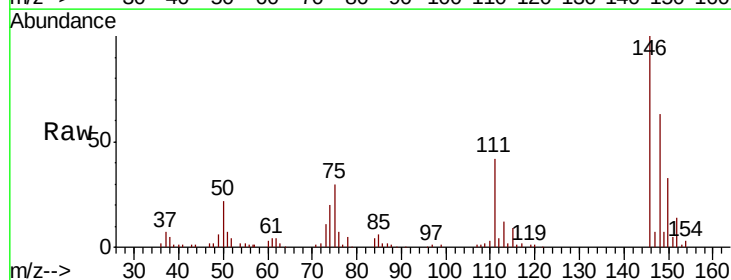
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

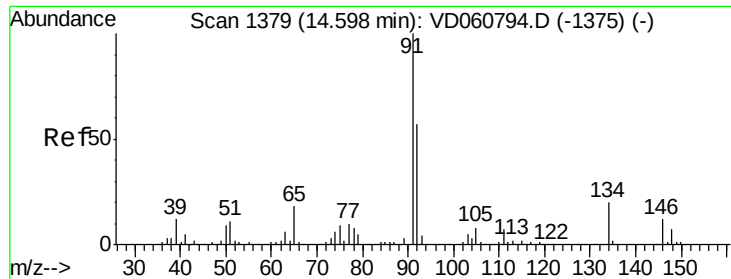
Tgt Ion:146 Resp: 119209
 Ion Ratio Lower Upper
 146 100
 111 45.2 24.3 73.0
 148 62.6 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 9.870 ug/l
 RT: 14.34 min Scan# 1353
 Delta R.T. 0.00 min
 Lab File: VD060792.D
 Acq: 28 Jan 2019 15:42

Tgt Ion:146 Resp: 121560
 Ion Ratio Lower Upper
 146 100
 111 41.9 20.6 61.8
 148 63.3 31.9 95.7





#89

n-Butylbenzene

Concen: 10.372 ug/l

RT: 14.60 min Scan# 1379

Delta R.T. -0.00 min

Lab File: VD060792.D

Acq: 28 Jan 2019 15:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

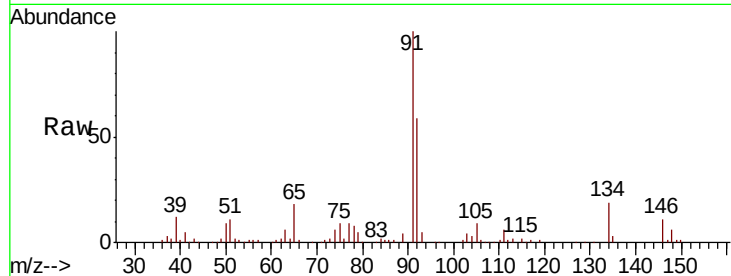
Tgt Ion: 91 Resp: 239138

Ion Ratio Lower Upper

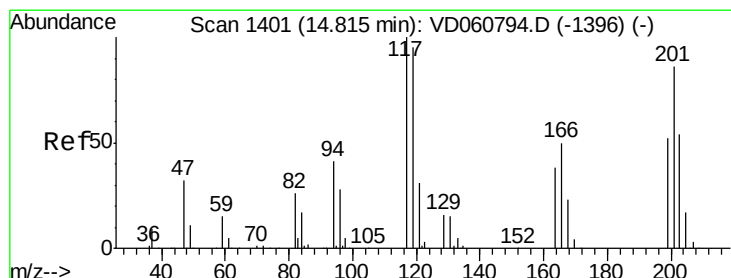
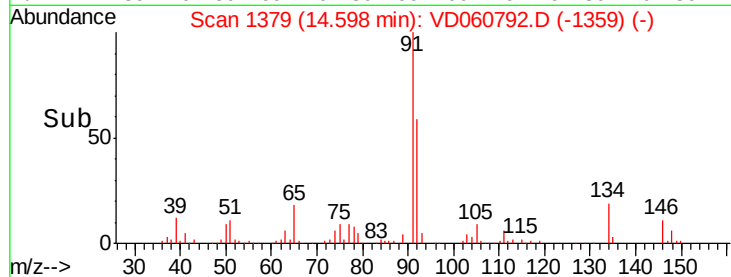
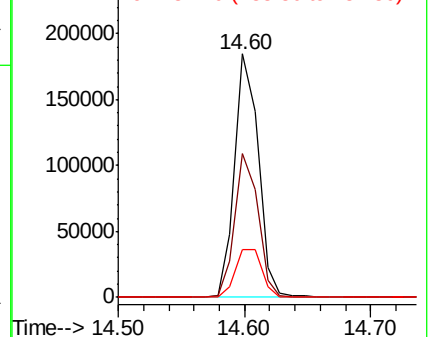
91 100

92 59.1 28.5 85.5

134 19.4 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 10.146 ug/l

RT: 14.81 min Scan# 1401

Delta R.T. -0.00 min

Lab File: VD060792.D

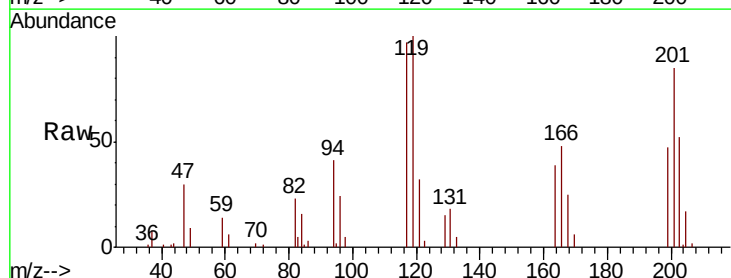
Acq: 28 Jan 2019 15:42

Tgt Ion: 117 Resp: 64949

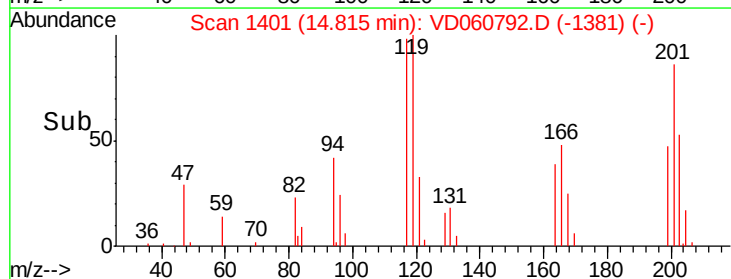
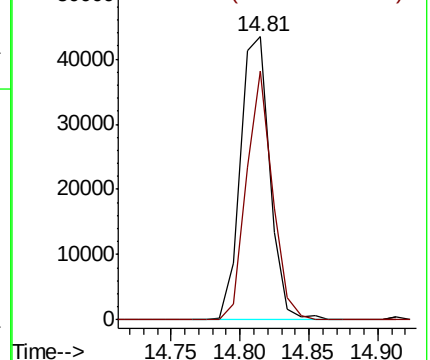
Ion Ratio Lower Upper

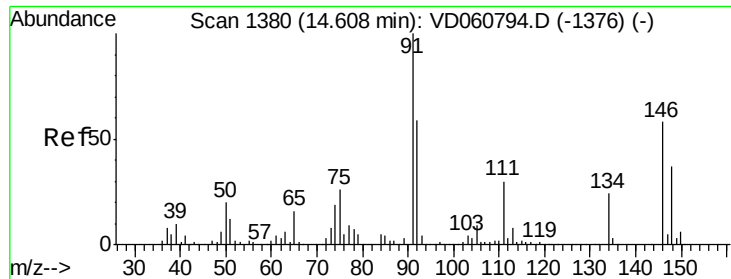
117 100

201 87.8 43.0 128.8



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V

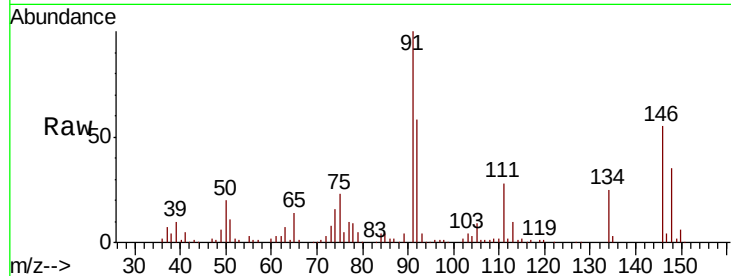




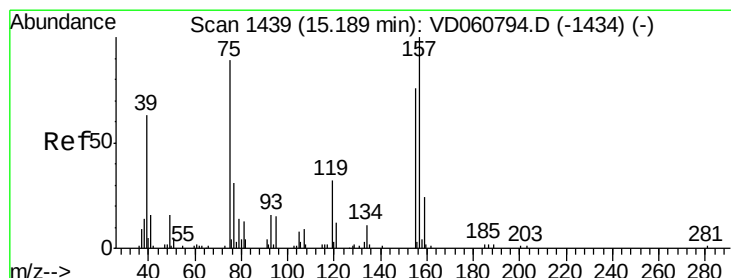
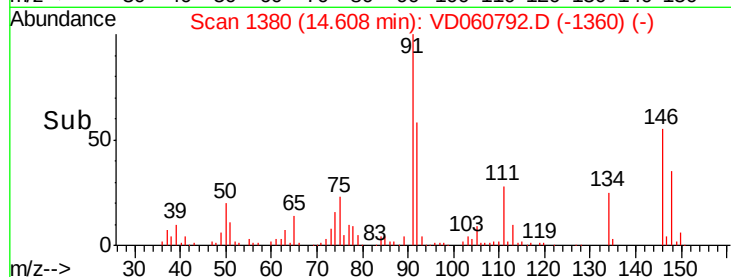
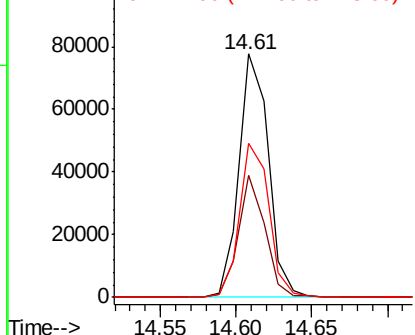
#91
 1,2-Dichlorobenzene
 Concen: 8.137 ug/l
 RT: 14.61 min Scan# 1380
 Delta R.T. 0.00 min
 Lab File: VD060792.D
 Acq: 28 Jan 2019 15:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tgt Ion: 146 Resp: 104446
 Ion Ratio Lower Upper
 146 100
 111 50.3 25.6 76.8
 148 63.3 31.4 94.3

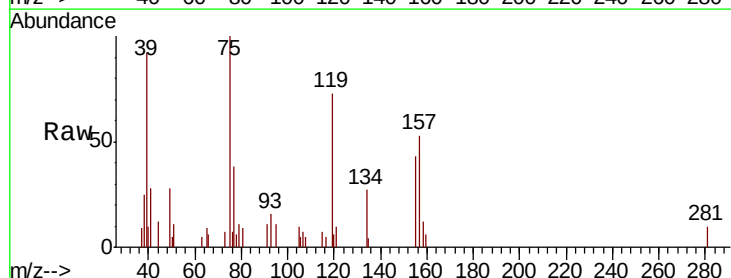


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

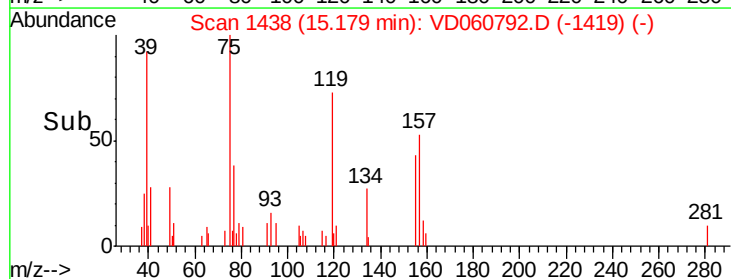
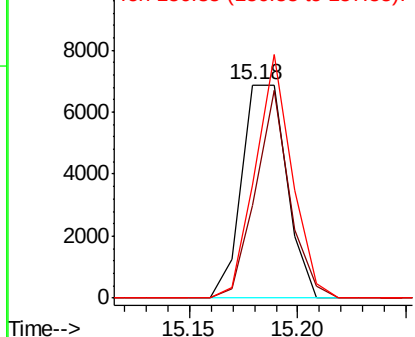


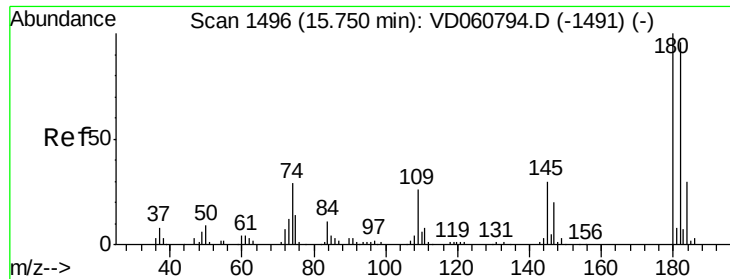
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 8.844 ug/l
 RT: 15.18 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: VD060792.D
 Acq: 28 Jan 2019 15:42

Tgt Ion: 75 Resp: 10044
 Ion Ratio Lower Upper
 75 100
 155 43.2 43.0 129.0
 157 53.2 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

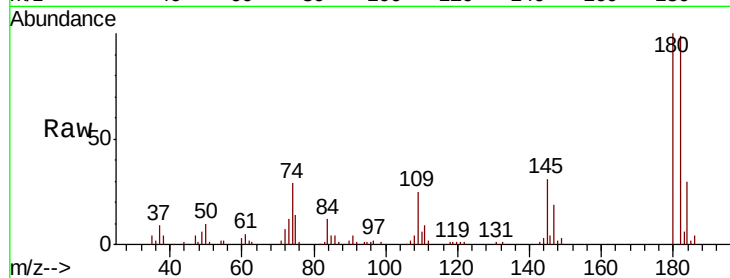




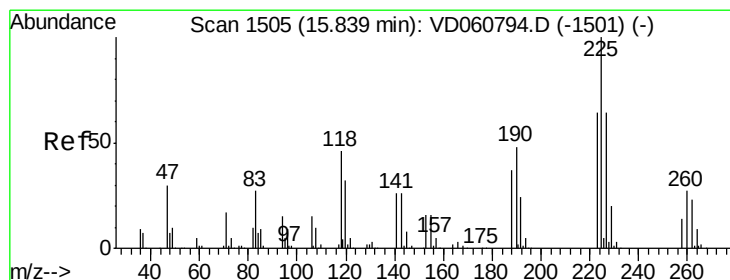
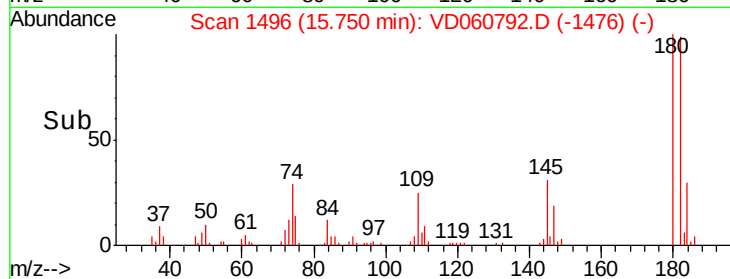
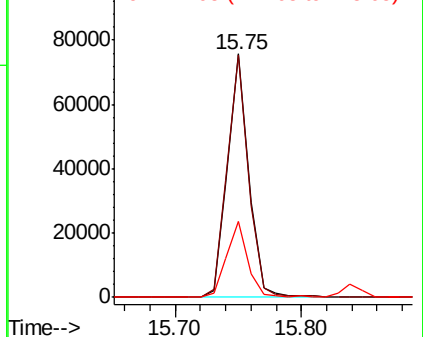
#93
 1,2,4-Trichlorobenzene
 Concen: 9.479 ug/l
 RT: 15.75 min Scan# 1496
 Delta R.T. 0.00 min
 Lab File: VD060792.D
 Acq: 28 Jan 2019 15:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tgt Ion:180 Resp: 87649
 Ion Ratio Lower Upper
 180 100
 182 99.3 47.9 143.7
 145 31.0 15.0 45.1

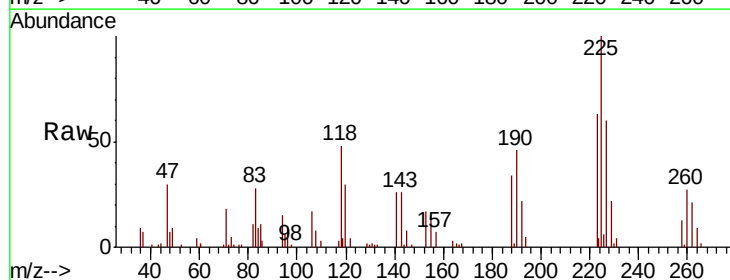


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

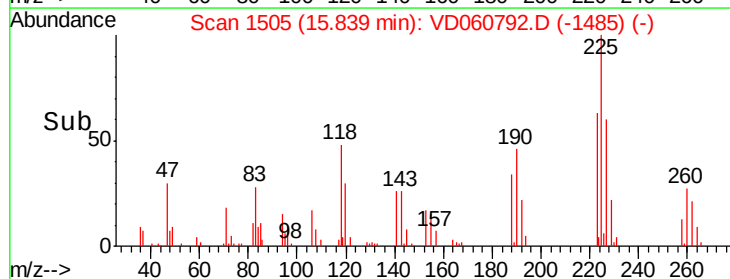
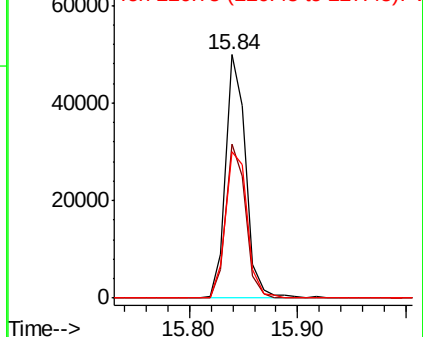


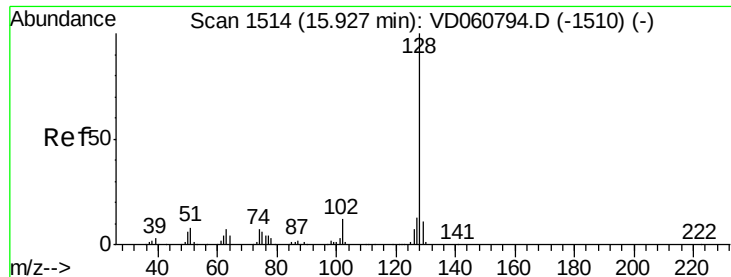
#94
 Hexachlorobutadiene
 Concen: 9.457 ug/l
 RT: 15.84 min Scan# 1505
 Delta R.T. -0.00 min
 Lab File: VD060792.D
 Acq: 28 Jan 2019 15:42

Tgt Ion:225 Resp: 64577
 Ion Ratio Lower Upper
 225 100
 223 63.1 31.8 95.4
 227 60.0 31.9 95.5



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V

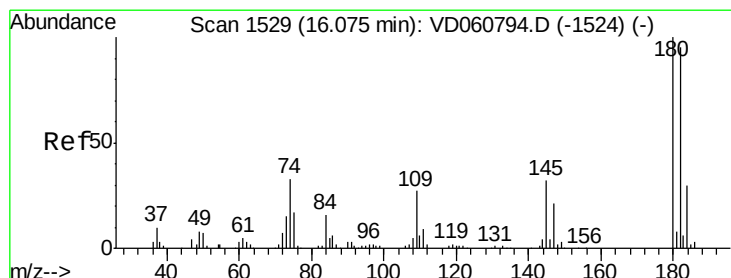
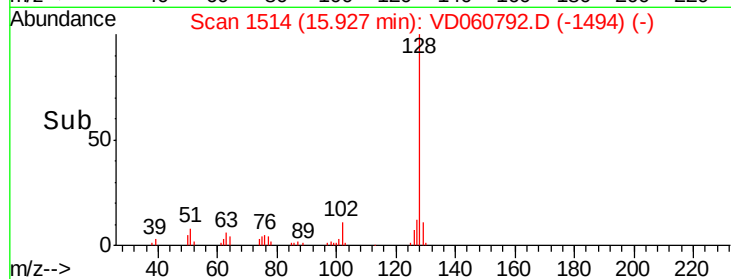
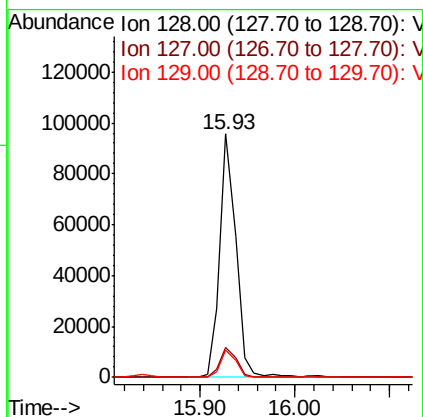
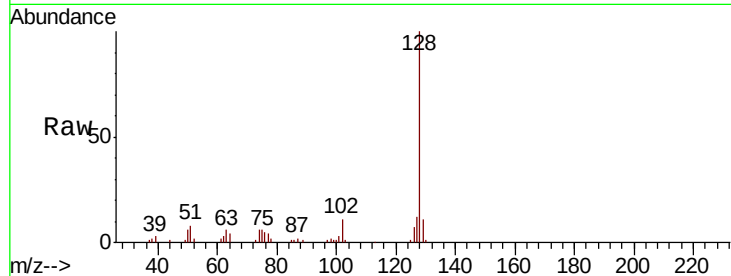




#95
Naphthalene
Concen: 8.068 ug/l
RT: 15.93 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VD060792.D
Acq: 28 Jan 2019 15:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion:128 Resp: 114299
Ion Ratio Lower Upper
128 100
127 12.1 10.4 15.6
129 11.3 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 9.905 ug/l
RT: 16.07 min Scan# 1529
Delta R.T. -0.00 min
Lab File: VD060792.D
Acq: 28 Jan 2019 15:42

Tgt Ion:180 Resp: 77855
Ion Ratio Lower Upper
180 100
182 88.2 47.4 142.3
145 31.8 15.8 47.4

