

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081018\
 Data File : VD059732.D
 Acq On : 10 Aug 2018 16:44
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Quant Time: Aug 11 05:00:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D081018S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 11 04:59:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	157587	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.68	114	182938	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	152845	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	84224	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.01	65	12355	5.91	ug/l	0.01
Spiked Amount	50.000		Recovery	=	11.82%	
35) Dibromofluoromethane	5.54	113	9049	5.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.80%	
50) Toluene-d8	8.70	98	19487	5.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.84%	
62) 4-Bromofluorobenzene	11.93	95	9689	5.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.33	85	11781	5.35	ug/l	92
3) Chloromethane	1.47	50	4114	4.28	ug/l	93
4) Vinyl Chloride	1.55	62	4763	4.23	ug/l	89
5) Bromomethane	1.78	94	2759	7.23	ug/l	95
6) Chloroethane	1.87	64	2534	5.28	ug/l #	87
7) Trichlorofluoromethane	2.07	101	11663	6.04	ug/l	85
8) Diethyl Ether	2.33	74	1637	4.69	ug/l	59
9) 1,1,2-Trichlorotrifluoroet	2.54	101	5786	5.40	ug/l #	90
10) Methyl Iodide	2.68	142	4712	3.81	ug/l	98
11) Tert butyl alcohol	3.24	59	2383	32.06	ug/l #	75
12) 1,1-Dichloroethene	2.53	96	4306	5.57	ug/l	95
13) Acrolein	2.45	56	1246	19.18	ug/l	94
14) Allyl chloride	2.90	41	9072	5.08	ug/l	90
15) Acrylonitrile	3.35	53	4386	21.23	ug/l	91
16) Acetone	2.60	43	8957	23.19	ug/l #	89
17) Carbon Disulfide	2.75	76	13298	4.76	ug/l	97
18) Methyl Acetate	2.92	43	5482	7.61	ug/l #	80
19) Methyl tert-butyl Ether	3.39	73	17194	5.72	ug/l #	88
20) Methylene Chloride	3.05	84	7205	4.85	ug/l	96
21) trans-1,2-Dichloroethene	3.38	96	5343	5.26	ug/l	81
22) Diisopropyl ether	4.06	45	18081	4.44	ug/l	86
23) Vinyl Acetate	4.01	43	57600	21.98	ug/l	99
24) 1,1-Dichloroethane	3.96	63	14042	5.17	ug/l #	91
25) 2-Butanone	4.83	43	10120	20.76	ug/l	98
26) 2,2-Dichloropropane	4.78	77	15600	5.30	ug/l	90
27) cis-1,2-Dichloroethene	4.79	96	6831	4.77	ug/l	71
28) Bromochloromethane	5.14	49	5156	5.05	ug/l	89
29) Tetrahydrofuran	5.17	42	3732	19.66	ug/l	96
30) Chloroform	5.31	83	17362	5.14	ug/l	100
31) Cyclohexane	5.58	56	7469	3.77	ug/l #	84
32) 1,1,1-Trichloroethane	5.50	97	17762	5.37	ug/l	96
36) 1,1-Dichloropropene	5.73	75	10555	5.18	ug/l	92
37) Ethyl Acetate	4.92	43	4601	4.65	ug/l #	77
38) Carbon Tetrachloride	5.72	117	16886	6.00	ug/l	90

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081018\
 Data File : VD059732.D
 Acq On : 10 Aug 2018 16:44
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC005

Quant Time: Aug 11 05:00:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D081018S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 11 04:59:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.28	83	7718	4.59	ug/l	100
40) Benzene	6.00	78	19311	4.97	ug/l	93
41) Methacrylonitrile	5.11	41	1820	4.04	ug/l #	84
42) 1,2-Dichloroethane	6.12	62	14144	5.60	ug/l	96
43) Isopropyl Acetate	7.61	43	5407	4.24	ug/l	98
44) Trichloroethene	6.97	130	7331	5.05	ug/l	95
45) 1,2-Dichloropropane	7.34	63	4262	4.16	ug/l	99
46) Dibromomethane	7.46	93	4871	5.31	ug/l #	83
47) Bromodichloromethane	7.73	83	12297	5.22	ug/l #	78
48) Methyl methacrylate	7.50	41	3746	4.36	ug/l	93
51) 4-Methyl-2-Pentanone	8.59	43	19578	20.80	ug/l #	81
52) Toluene	8.80	92	12512	5.03	ug/l	99
53) t-1,3-Dichloropropene	9.18	75	10316	5.24	ug/l	95
54) cis-1,3-Dichloropropene	8.35	75	9860	4.94	ug/l	89
55) 1,1,2-Trichloroethane	9.45	97	4992	5.16	ug/l #	87
56) Ethyl methacrylate	9.31	69	4679	4.43	ug/l	93
57) 1,3-Dichloropropane	9.65	76	7663	5.09	ug/l	95
58) 2-Chloroethyl Vinyl ether	8.19	63	12092	23.77	ug/l #	86
59) 2-Hexanone	9.78	43	15105	21.35	ug/l	79
60) Dibromochloromethane	9.95	129	8061	5.12	ug/l	96
61) 1,2-Dibromoethane	10.09	107	5574	4.99	ug/l	96
64) Tetrachloroethene	9.51	164	7815	5.38	ug/l	90
65) Chlorobenzene	10.72	112	15740	4.90	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.84	131	7357	5.07	ug/l	88
67) Ethyl Benzene	10.85	91	28749	4.94	ug/l	99
68) m/p-Xylenes	11.01	106	19932	10.81	ug/l	100
69) o-Xylene	11.40	106	9409	5.22	ug/l	92
70) Stvrene	11.42	104	14679	4.87	ug/l	95
71) Bromoform	11.60	173	5042	4.61	ug/l	95
73) Isopropylbenzene	11.77	105	29542	5.29	ug/l	97
74) N-amyl acetate	11.64	43	7861	4.46	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.07	83	5900	5.30	ug/l	97
76) 1,2,3-Trichloropropane	12.10	75	6330	4.89	ug/l	98
77) Bromobenzene	12.03	156	8558	5.24	ug/l	90
78) n-propylbenzene	12.15	91	36079	5.22	ug/l	96
79) 2-Chlorotoluene	12.21	91	22900	5.46	ug/l	99
80) 1,3,5-Trimethylbenzene	12.32	105	26122	5.59	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.84	75	1425	4.67	ug/l	88
82) 4-Chlorotoluene	12.32	91	26964	5.48	ug/l	100
83) tert-Butylbenzene	12.57	119	27909	5.37	ug/l	92
84) 1,2,4-Trimethylbenzene	12.62	105	25733	5.18	ug/l	98
85) sec-Butylbenzene	12.75	105	29221	5.05	ug/l	94
86) p-Isopropyltoluene	12.88	119	25911	5.25	ug/l	97
87) 1,3-Dichlorobenzene	12.84	146	14316	5.06	ug/l	95
88) 1,4-Dichlorobenzene	12.92	146	14916	5.33	ug/l	93
89) n-Butylbenzene	13.19	91	27357	5.50	ug/l	94
90) Hexachloroethane	13.40	117	5942	4.61	ug/l	99
91) 1,2-Dichlorobenzene	13.19	146	12906	5.44	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.76	75	953	4.03	ug/l #	41
93) 1,2,4-Trichlorobenzene	14.34	180	11751	5.43	ug/l	92

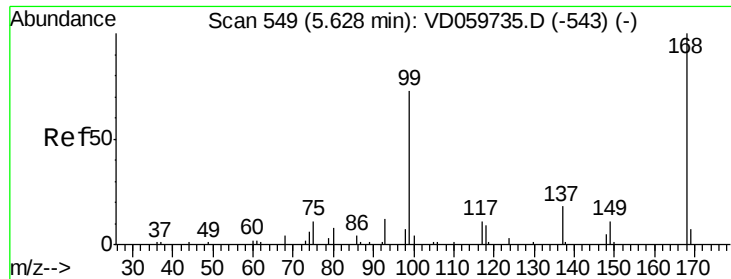
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081018\
Data File : VD059732.D
Acq On : 10 Aug 2018 16:44
Operator : VA/AP
Sample : VSTDICC005
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

Quant Time: Aug 11 05:00:16 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D081018S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 11 04:59:44 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	14.43	225	10307	6.11	ug/l	99
95) Naphthalene	14.51	128	15877	5.04	ug/l #	95
96) 1,2,3-Trichlorobenzene	14.66	180	10123	5.43	ug/l	92

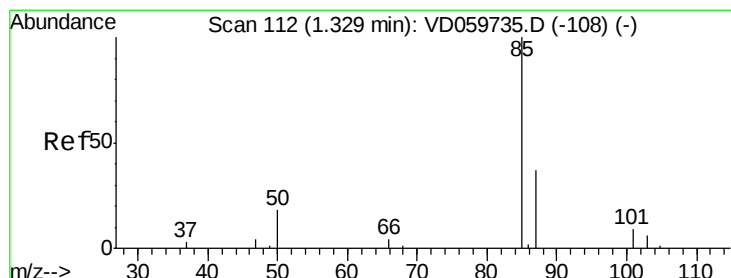
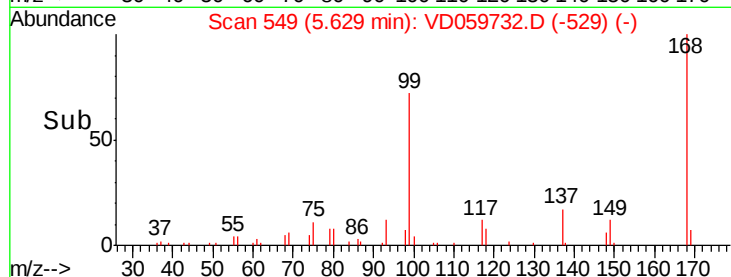
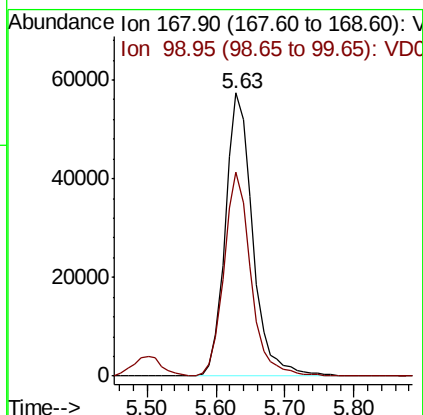
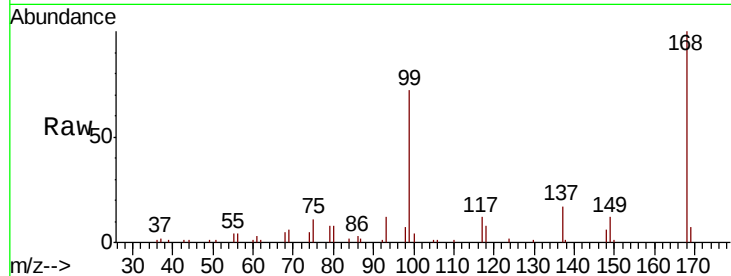
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.63 min Scan# 549
Delta R.T. 0.00 min
Lab File: VD059732.D
Acq: 10 Aug 2018 16:44

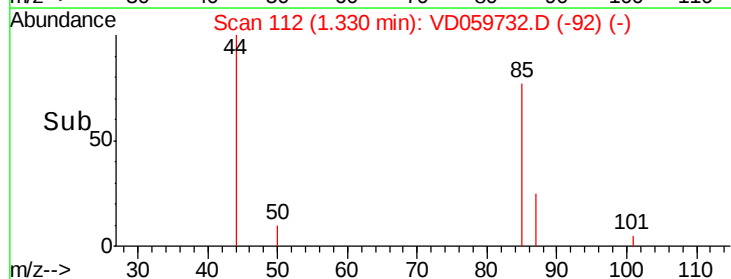
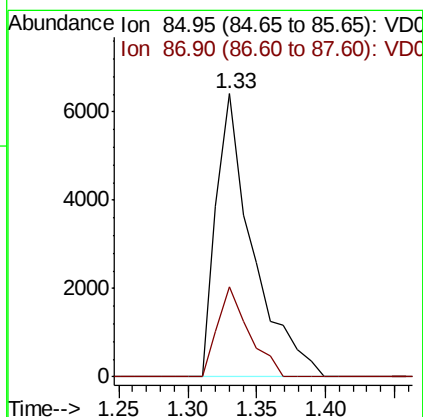
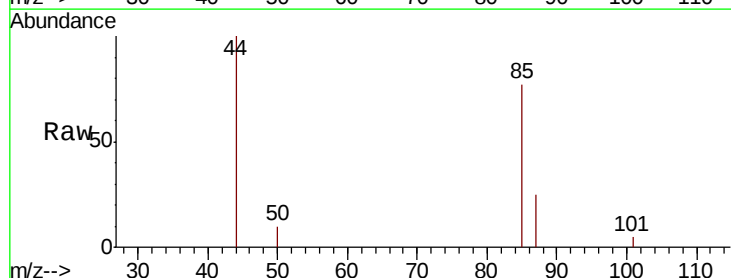
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

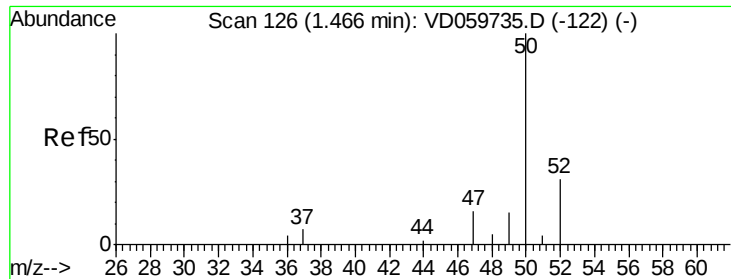
Tot Ion:168 Resp: 157587
Ion Ratio Lower Upper
168 100
99 71.9 61.4 92.2



#2
Dichlorodifluoromethane
Concen: 5.35 ug/l
RT: 1.33 min Scan# 112
Delta R.T. 0.00 min
Lab File: VD059732.D
Acq: 10 Aug 2018 16:44

Tgt Ion: 85 Resp: 11781
Ion Ratio Lower Upper
85 100
87 32.0 18.3 54.8

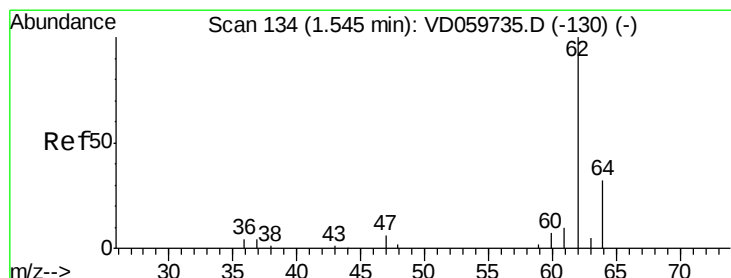
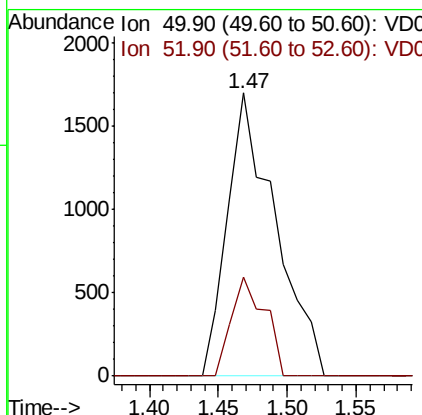
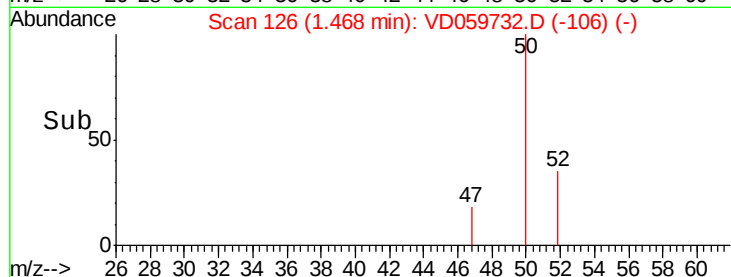
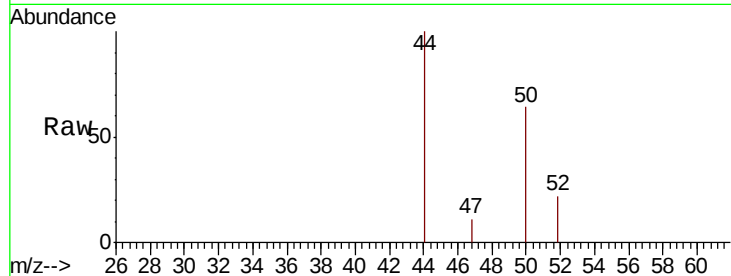




#3
 Chloromethane
 Concen: 4.28 ug/l
 RT: 1.47 min Scan# 126
 Delta R.T. 0.00 min
 Lab File: VD059732.D
 Acq: 10 Aug 2018 16:44

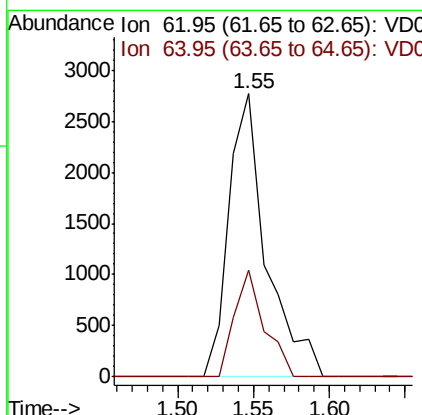
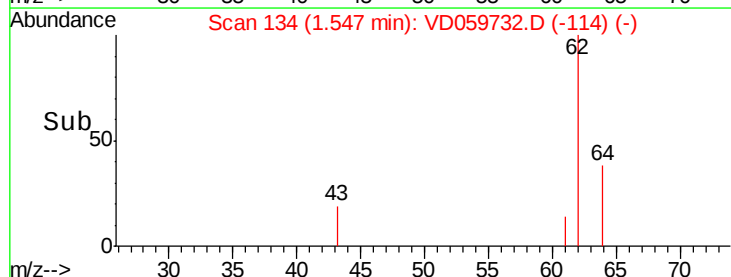
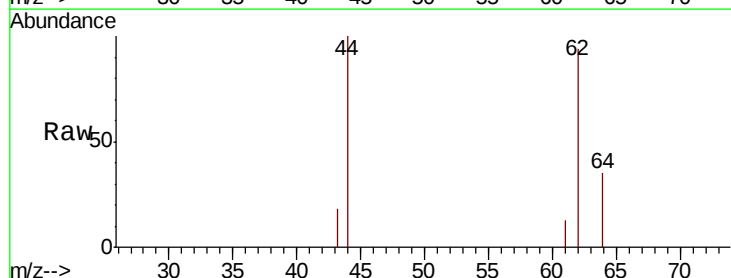
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

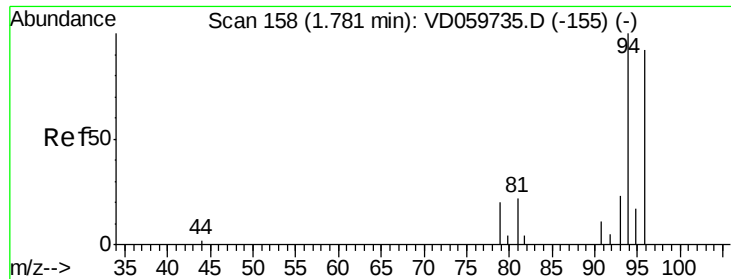
Tot Ion: 50 Resp: 4114
 Ion Ratio Lower Upper
 50 100
 52 34.8 24.8 37.2



#4
 Vinyl Chloride
 Concen: 4.23 ug/l
 RT: 1.55 min Scan# 134
 Delta R.T. 0.00 min
 Lab File: VD059732.D
 Acq: 10 Aug 2018 16:44

Tgt Ion: 62 Resp: 4763
 Ion Ratio Lower Upper
 62 100
 64 37.5 25.3 37.9

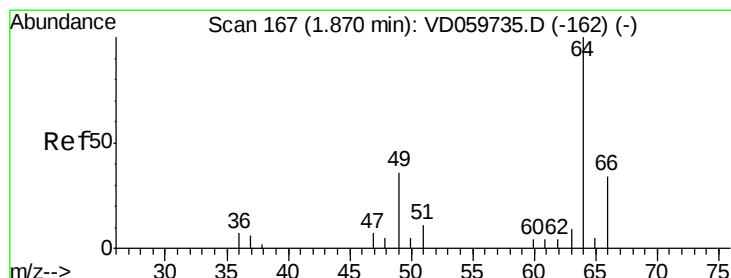
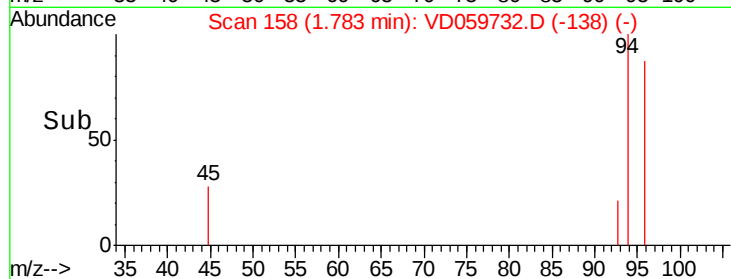
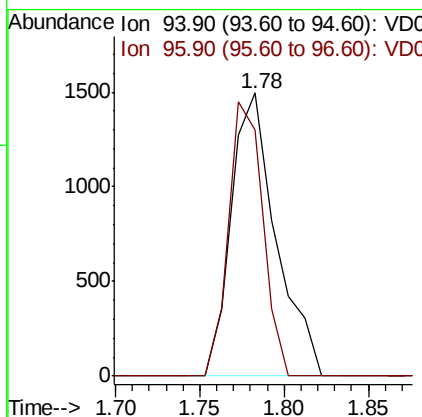
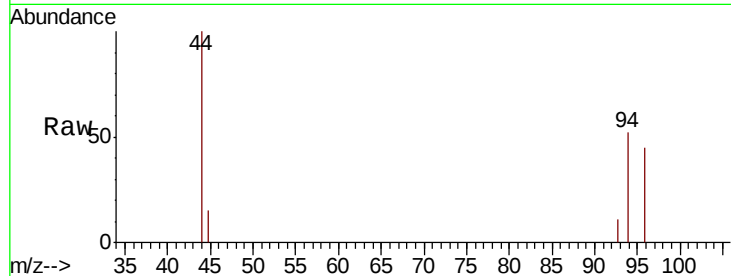




#5
Bromomethane
Concen: 7.23 ug/l
RT: 1.78 min Scan# 158
Delta R.T. 0.00 min
Lab File: VD059732.D
Acq: 10 Aug 2018 16:44

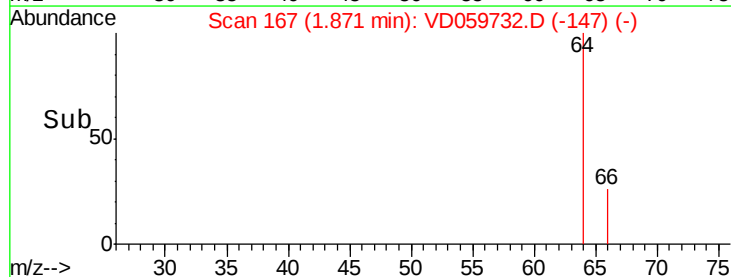
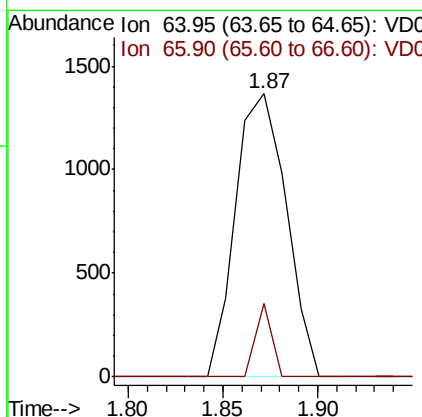
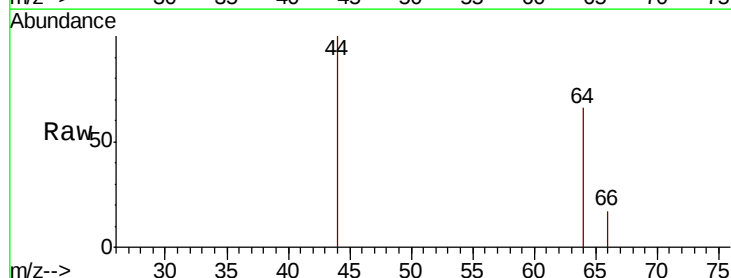
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

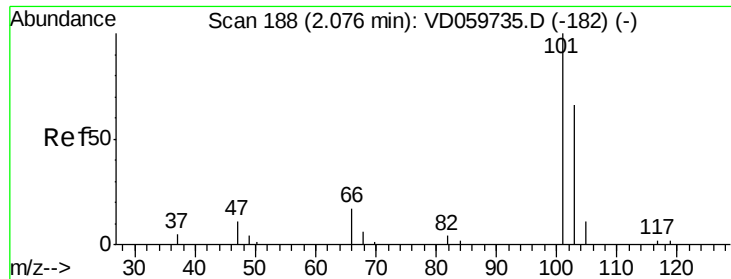
Tot Ion: 94 Resp: 2759
Ion Ratio Lower Upper
94 100
96 87.0 73.4 110.2



#6
Chloroethane
Concen: 5.28 ug/l
RT: 1.87 min Scan# 167
Delta R.T. 0.00 min
Lab File: VD059732.D
Acq: 10 Aug 2018 16:44

Tgt Ion: 64 Resp: 2534
Ion Ratio Lower Upper
64 100
66 26.0 26.9 40.3#





#7

Trichlorofluoromethane

Concen: 6.04 ug/l

RT: 2.07 min Scan# 187

Delta R.T. -0.01 min

Lab File: VD059732.D

Acq: 10 Aug 2018 16:44

Instrument :

MSVOA_D

ClientSampleId :

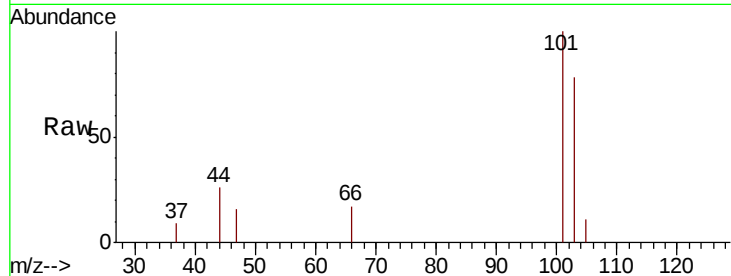
VSTDIC005

Tot Ion:101 Resp: 11663

Ion Ratio Lower Upper

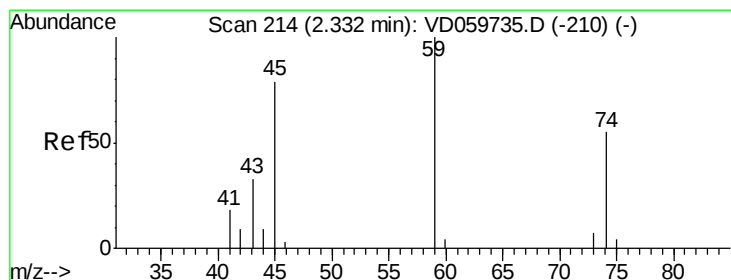
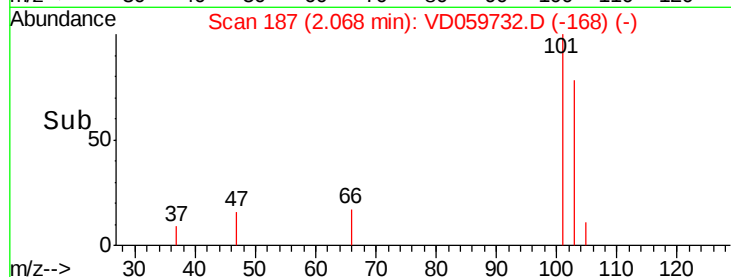
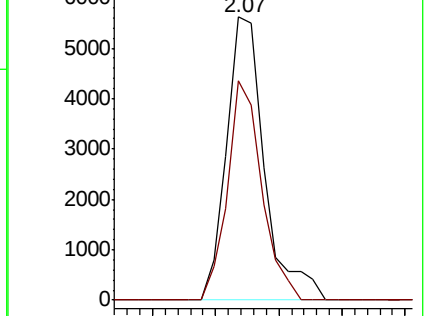
101 100

103 77.7 52.4 78.6



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V



#8

Diethyl Ether

Concen: 4.69 ug/l

RT: 2.33 min Scan# 214

Delta R.T. 0.00 min

Lab File: VD059732.D

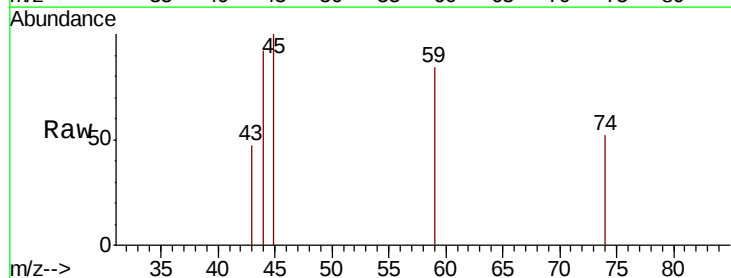
Acq: 10 Aug 2018 16:44

Tgt Ion: 74 Resp: 1637

Ion Ratio Lower Upper

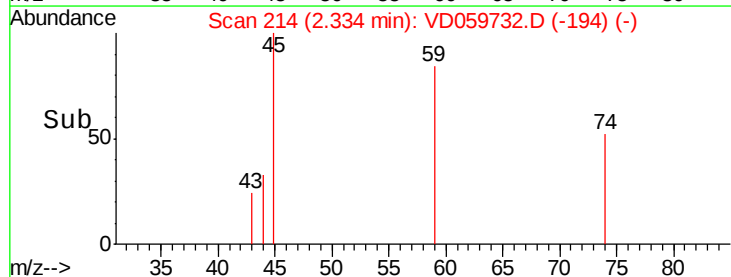
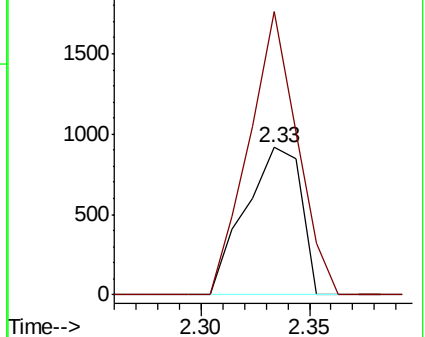
74 100

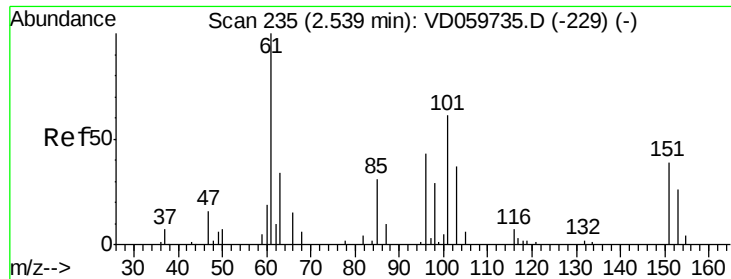
45 192.2 71.1 213.3



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: 5.40 ug/l

RT: 2.54 min Scan# 235

Delta R.T. 0.00 min

Lab File: VD059732.D

Acq: 10 Aug 2018 16:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

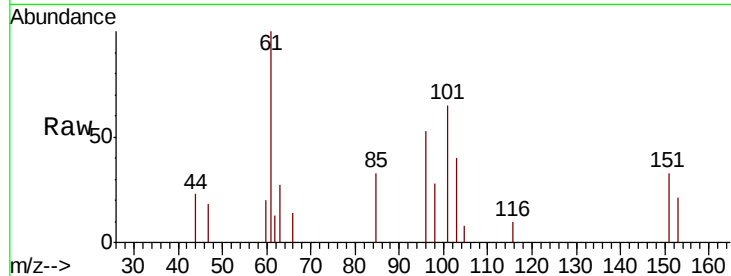
Tot Ion:101 Resp: 5786

Ion Ratio Lower Upper

101 100

85 51.1 39.7 59.5

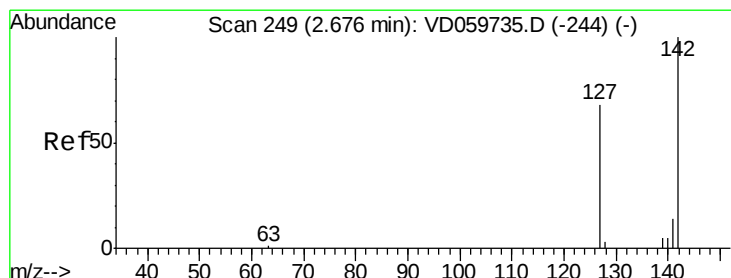
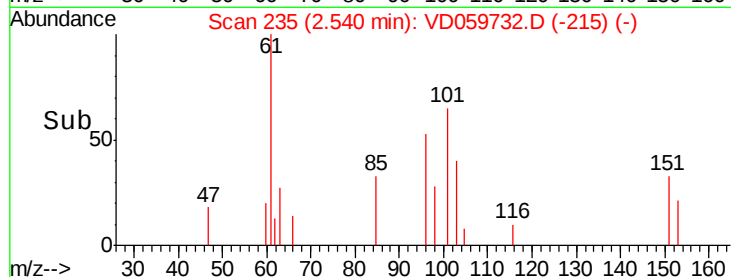
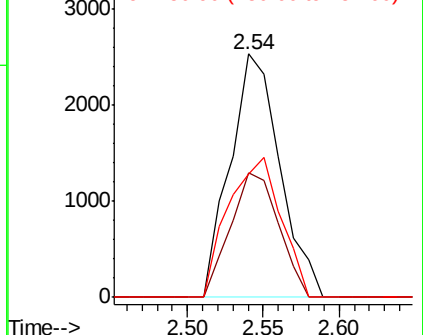
151 50.7 50.8 76.2#



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 3.81 ug/l

RT: 2.68 min Scan# 249

Delta R.T. 0.00 min

Lab File: VD059732.D

Acq: 10 Aug 2018 16:44

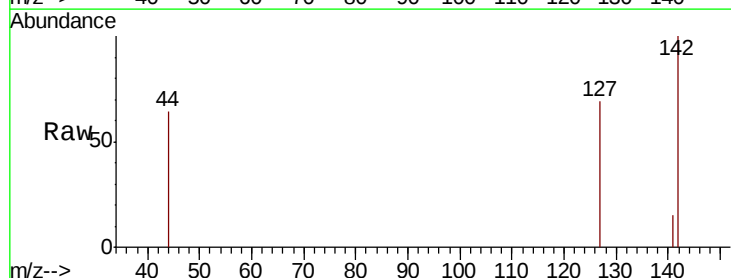
Tgt Ion:142 Resp: 4712

Ion Ratio Lower Upper

142 100

127 69.1 54.0 81.0

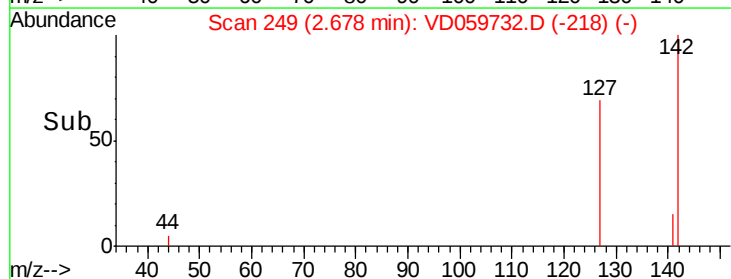
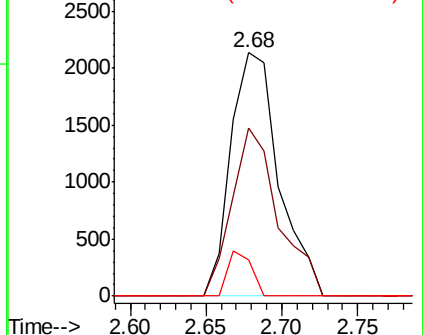
141 15.0 11.0 16.4

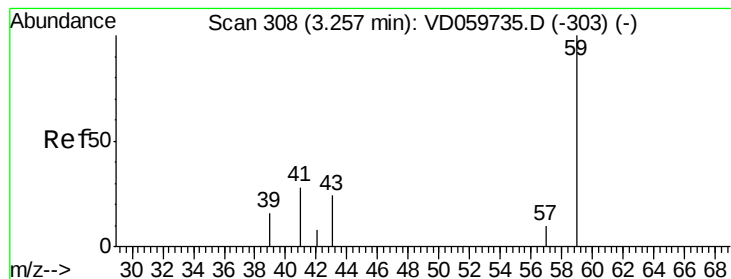


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



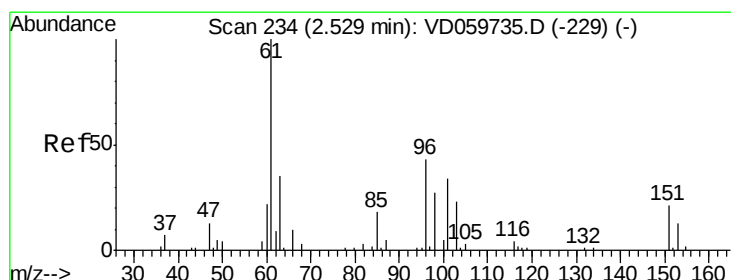
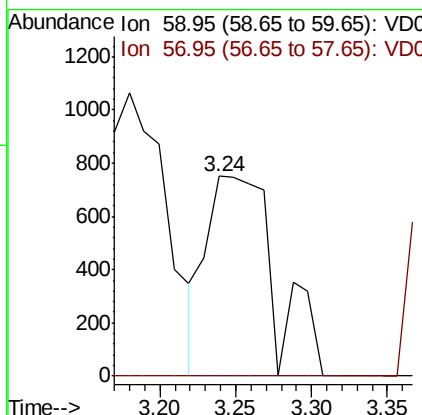
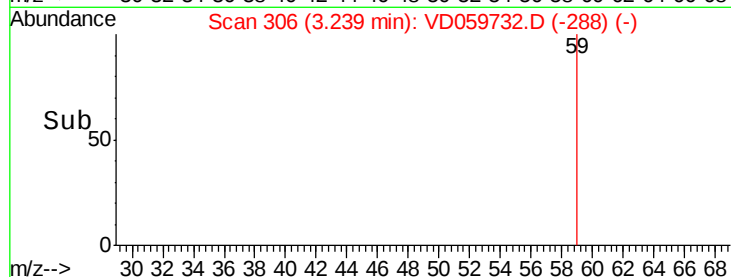
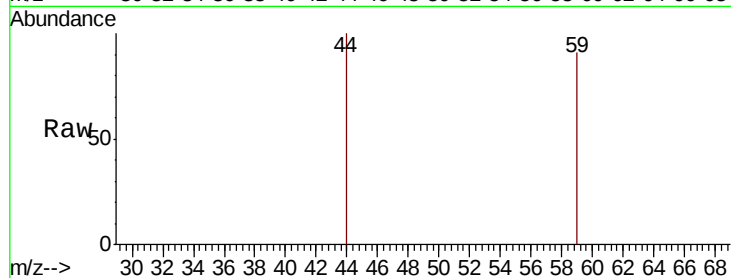


#11

Tert butyl alcohol
 Concen: 32.06 ug/l
 RT: 3.24 min Scan# 306
 Delta R.T. -0.02 min
 Lab File: VD059732.D
 Acq: 10 Aug 2018 16:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

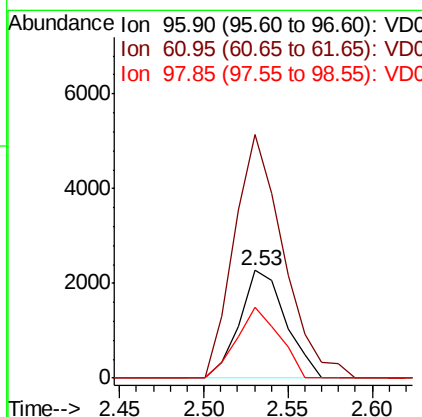
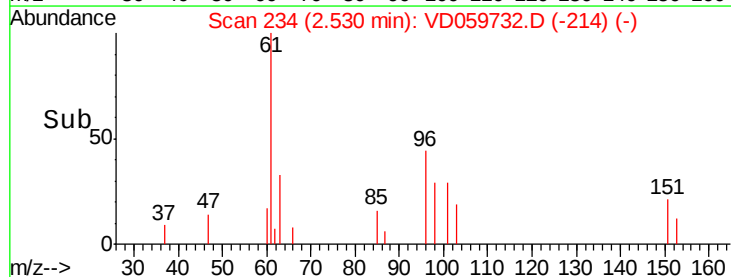
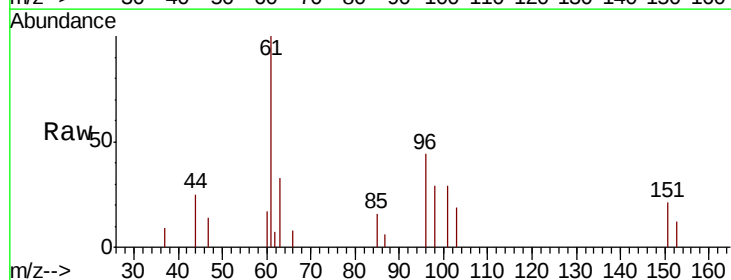
Tot Ion: 59 Resp: 2383
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.3 10.9#

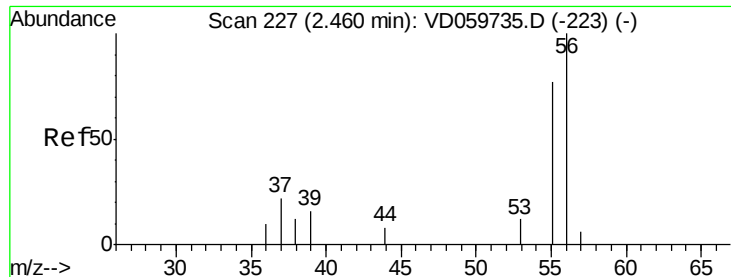


#12

1,1-Dichloroethene
 Concen: 5.57 ug/l
 RT: 2.53 min Scan# 234
 Delta R.T. 0.00 min
 Lab File: VD059732.D
 Acq: 10 Aug 2018 16:44

Tgt Ion: 96 Resp: 4306
 Ion Ratio Lower Upper
 96 100
 61 225.8 187.2 280.8
 98 66.3 50.4 75.6





#13

Acrolein

Concen: 19.18 ug/l

RT: 2.45 min Scan# 226

Delta R.T. -0.01 min

Lab File: VD059732.D

Acq: 10 Aug 2018 16:44

Instrument :

MSVOA_D

ClientSampleId :

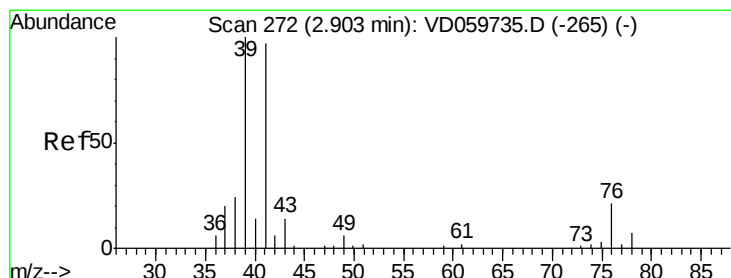
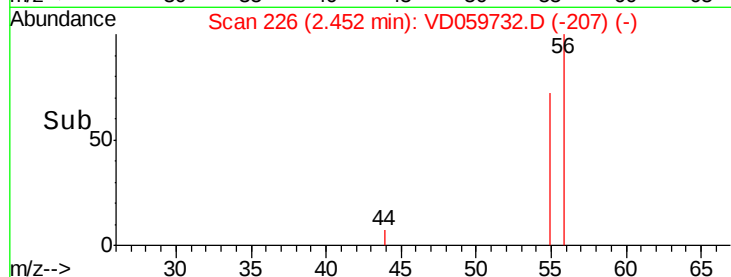
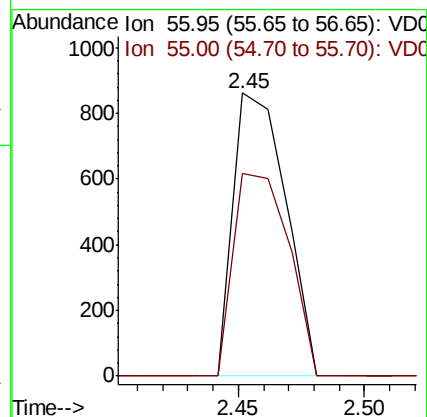
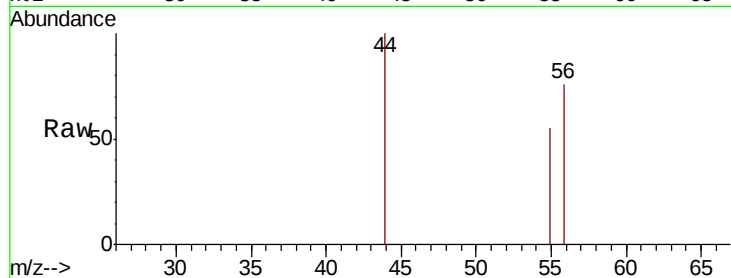
VSTDIC005

Tot Ion: 56 Resp: 1246

Ion Ratio Lower Upper

56 100

55 71.8 61.4 92.2



#14

Allyl chloride

Concen: 5.08 ug/l

RT: 2.90 min Scan# 272

Delta R.T. 0.00 min

Lab File: VD059732.D

Acq: 10 Aug 2018 16:44

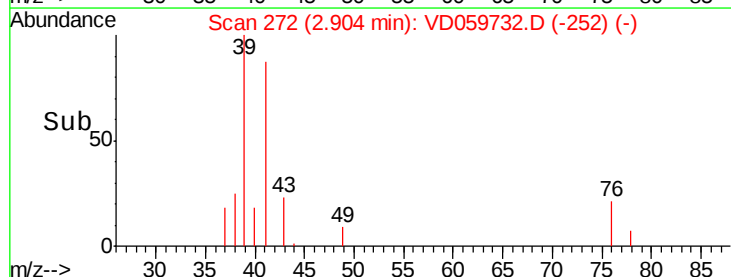
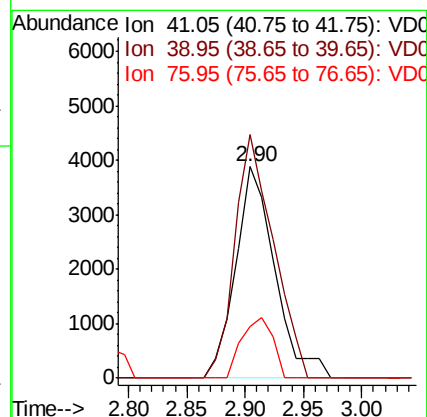
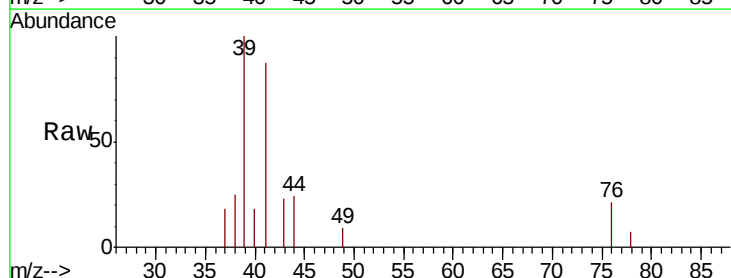
Tgt Ion: 41 Resp: 9072

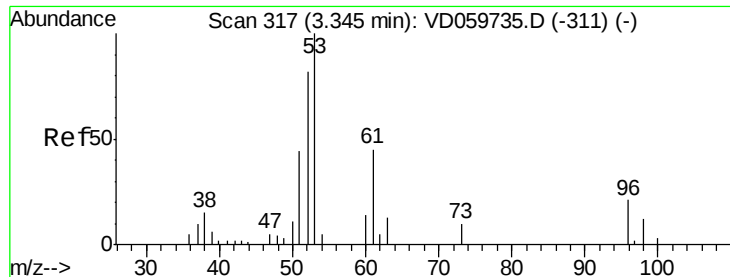
Ion Ratio Lower Upper

41 100

39 115.2 82.9 124.3

76 24.3 22.2 33.2

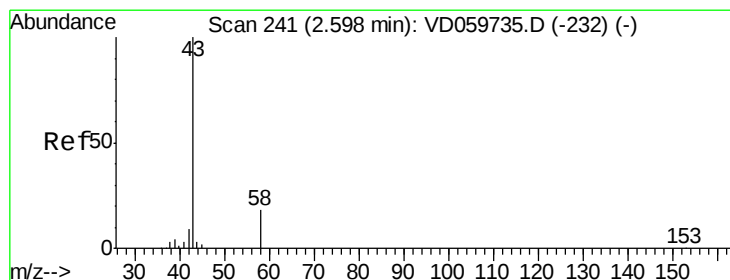
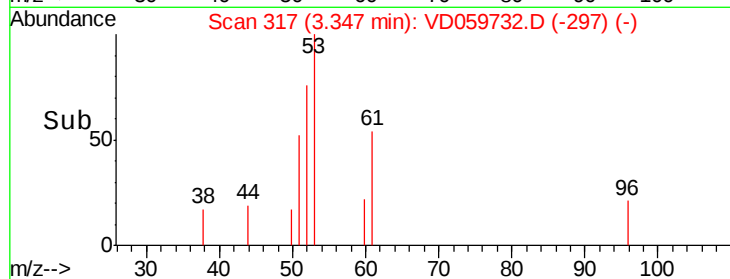
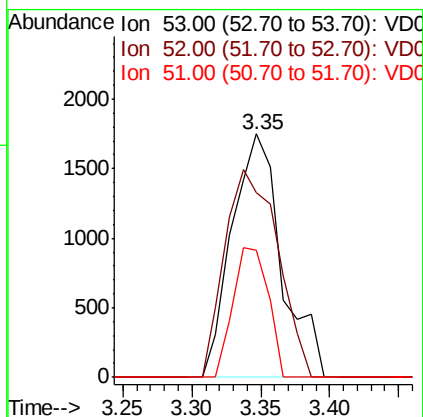
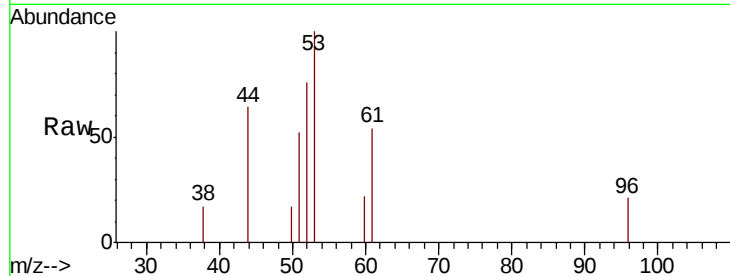




#15
 Acrylonitrile
 Concen: 21.23 ug/l
 RT: 3.35 min Scan# 317
 Delta R.T. 0.00 min
 Lab File: VD059732.D
 Acq: 10 Aug 2018 16:44

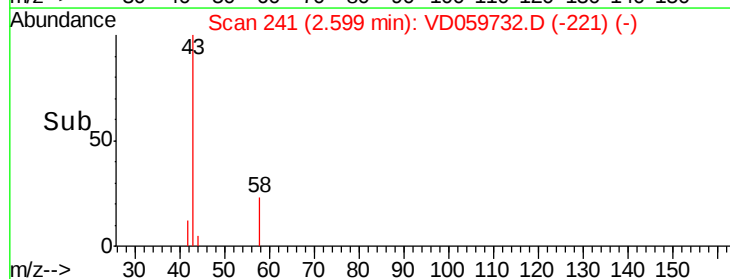
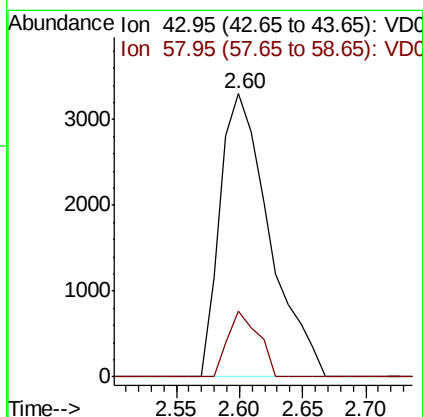
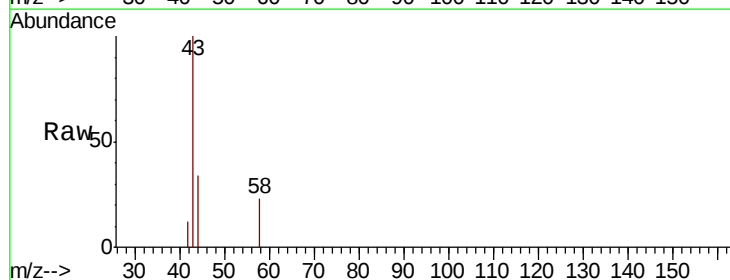
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

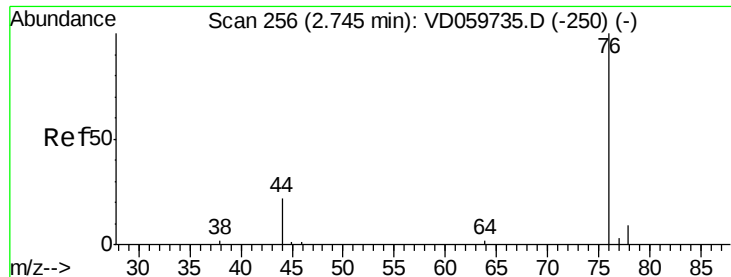
Tot Ion: 53 Resp: 4386
 Ion Ratio Lower Upper
 53 100
 52 75.7 65.8 98.6
 51 52.4 35.1 52.7



#16
 Acetone
 Concen: 23.19 ug/l
 RT: 2.60 min Scan# 241
 Delta R.T. 0.00 min
 Lab File: VD059732.D
 Acq: 10 Aug 2018 16:44

Tgt Ion: 43 Resp: 8957
 Ion Ratio Lower Upper
 43 100
 58 23.1 14.6 21.8#

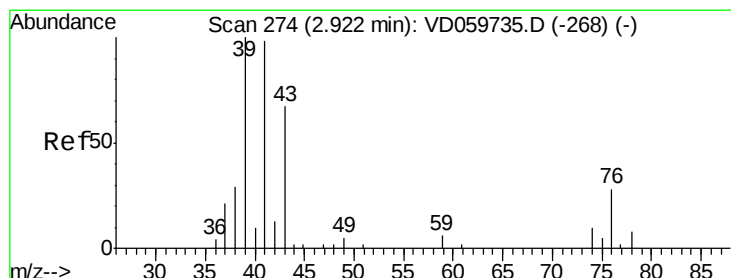
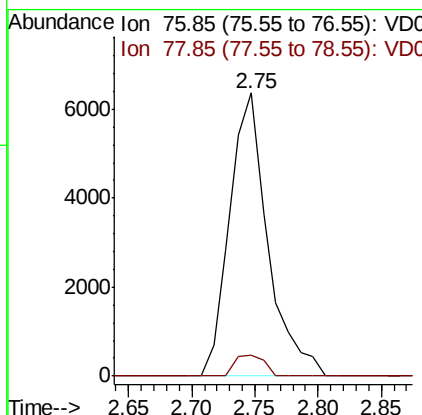
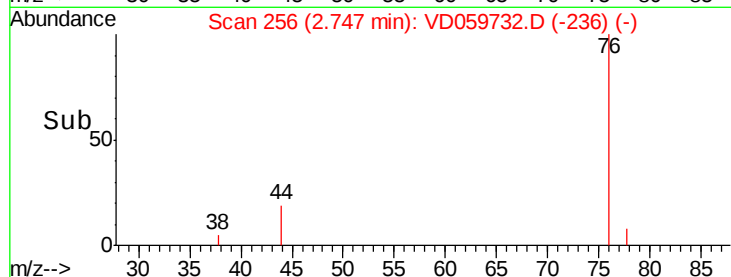
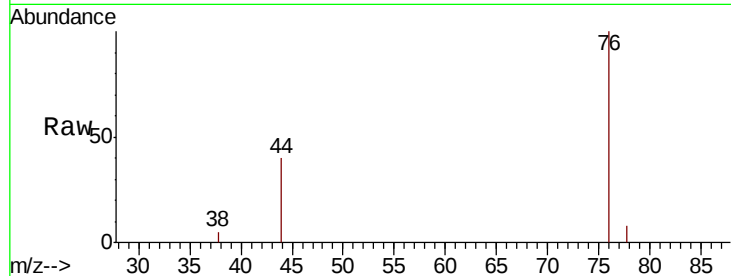




#17
Carbon Disulfide
Concen: 4.76 ug/l
RT: 2.75 min Scan# 256
Delta R.T. 0.00 min
Lab File: VD059732.D
Acq: 10 Aug 2018 16:44

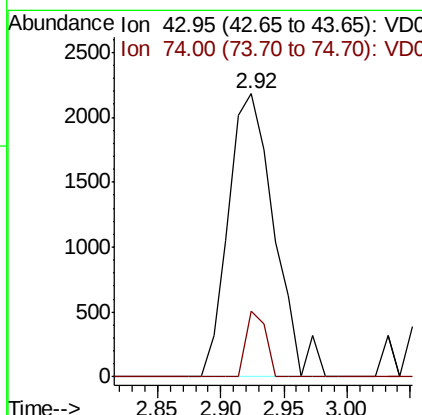
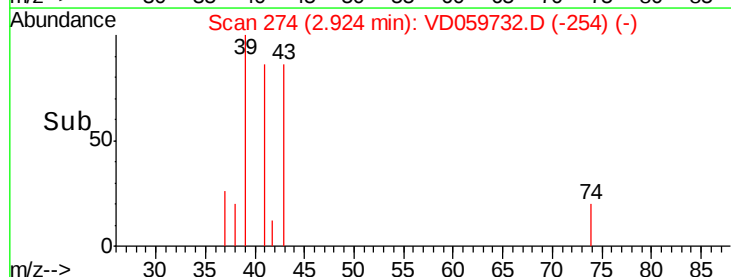
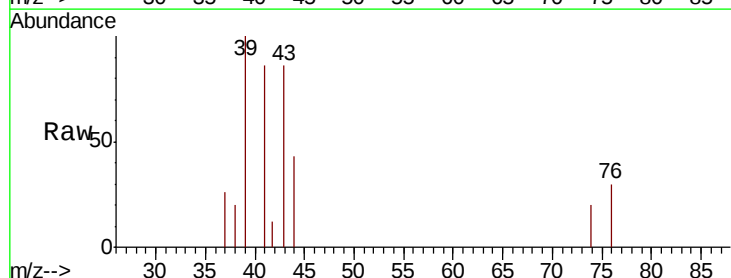
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

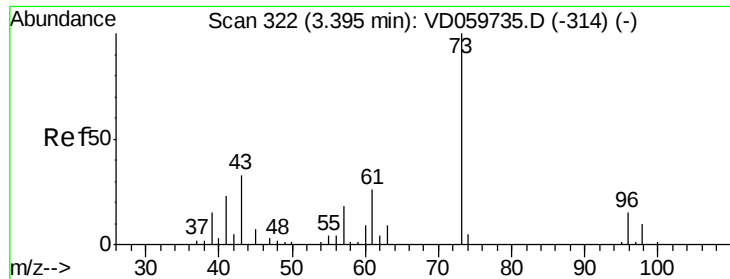
Tot Ion: 76 Resp: 13298
Ion Ratio Lower Upper
76 100
78 7.6 7.0 10.6



#18
Methyl Acetate
Concen: 7.61 ug/l
RT: 2.92 min Scan# 274
Delta R.T. 0.00 min
Lab File: VD059732.D
Acq: 10 Aug 2018 16:44

Tgt Ion: 43 Resp: 5482
Ion Ratio Lower Upper
43 100
74 23.3 12.1 18.1#

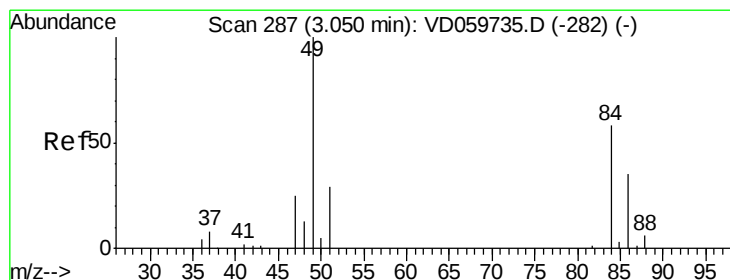
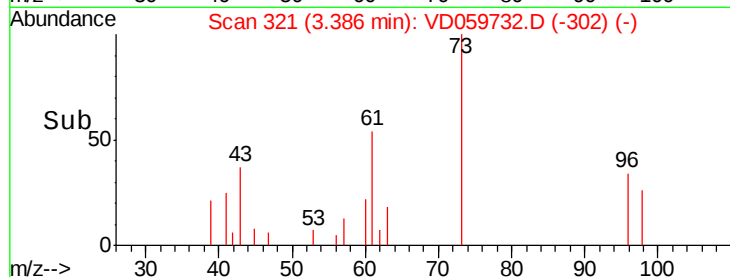
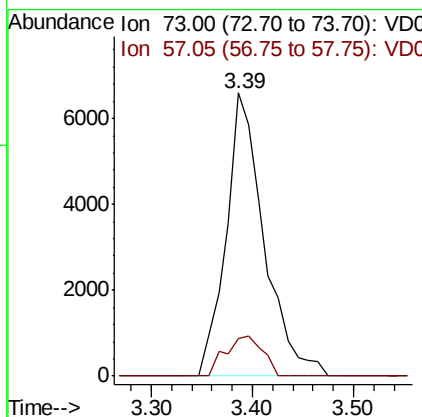
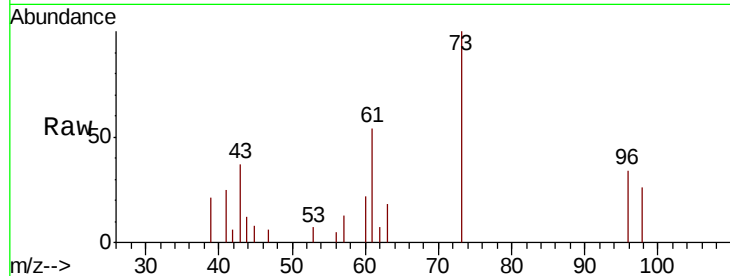




#19
Methvl tert-butvl Ether
Concen: 5.72 ug/l
RT: 3.39 min Scan# 321
Delta R.T. -0.01 min
Lab File: VD059732.D
Acq: 10 Aug 2018 16:44

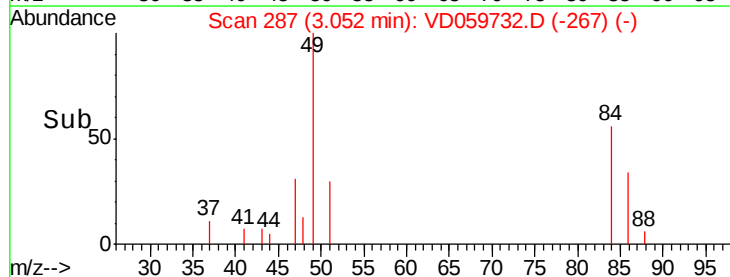
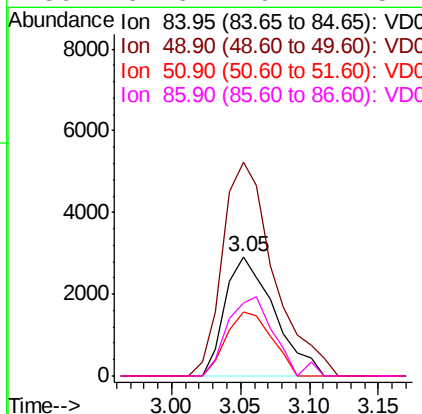
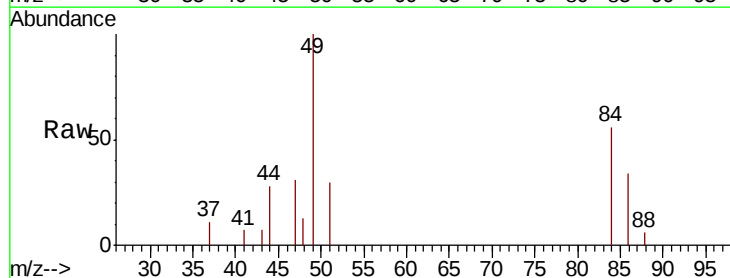
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

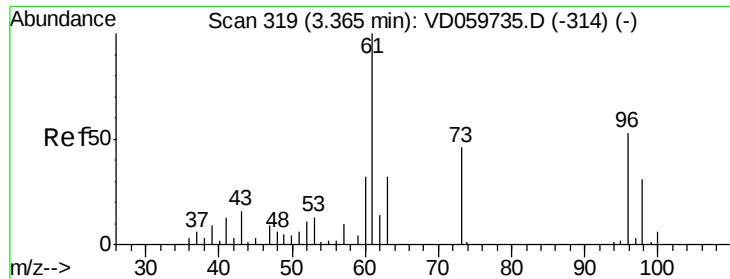
Tot Ion: 73 Resp: 17194
Ion Ratio Lower Upper
73 100
57 13.3 14.8 22.2#



#20
Methylene Chloride
Concen: 4.85 ug/l
RT: 3.05 min Scan# 287
Delta R.T. 0.00 min
Lab File: VD059732.D
Acq: 10 Aug 2018 16:44

Tgt Ion: 84 Resp: 7205
Ion Ratio Lower Upper
84 100
49 179.3 138.9 208.3
51 54.2 40.2 60.2
86 61.6 49.1 73.7





#21

trans-1,2-Dichloroethene

Concen: 5.26 ug/l

RT: 3.38 min Scan# 320

Delta R.T. 0.01 min

Lab File: VD059732.D

Acq: 10 Aug 2018 16:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

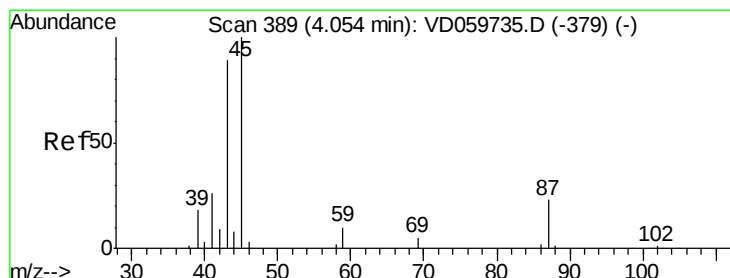
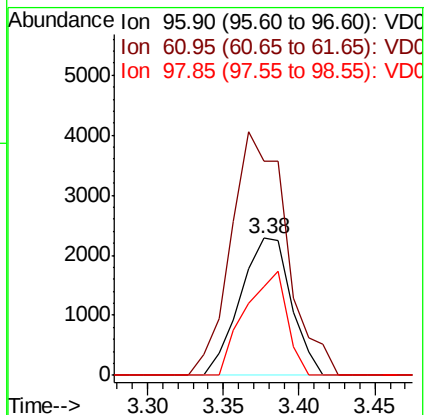
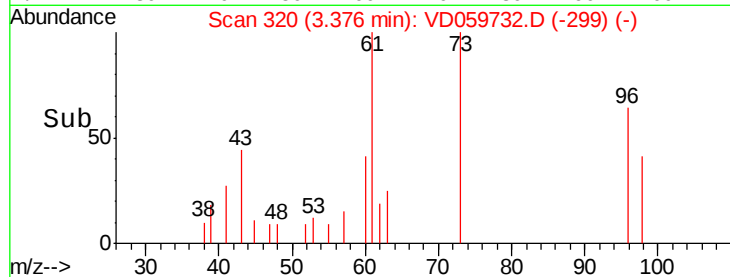
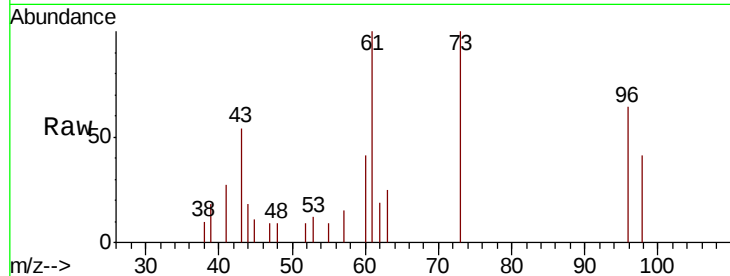
Tot Ion: 96 Resp: 5343

Ion Ratio Lower Upper

96 100

61 156.1 152.0 228.0

98 64.5 47.4 71.2



#22

Diisopropyl ether

Concen: 4.44 ug/l

RT: 4.06 min Scan# 389

Delta R.T. 0.00 min

Lab File: VD059732.D

Acq: 10 Aug 2018 16:44

Tgt Ion: 45 Resp: 18081

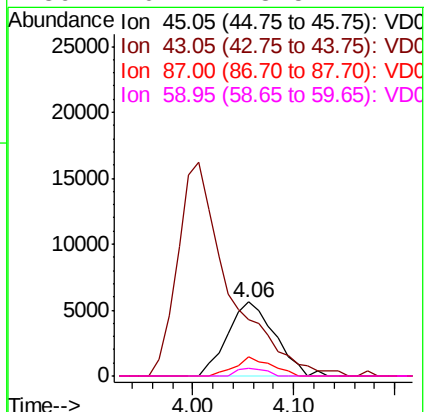
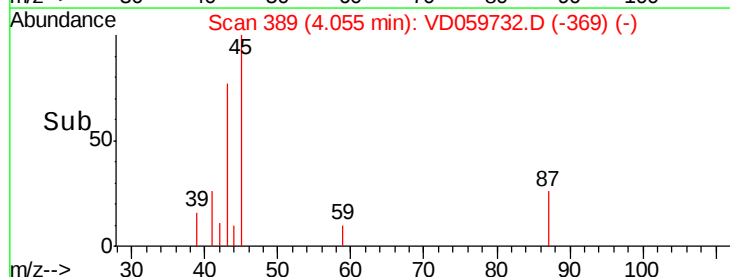
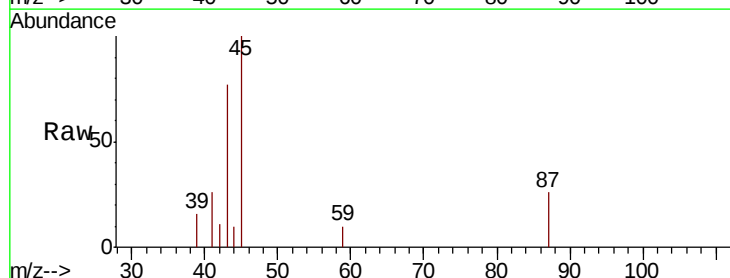
Ion Ratio Lower Upper

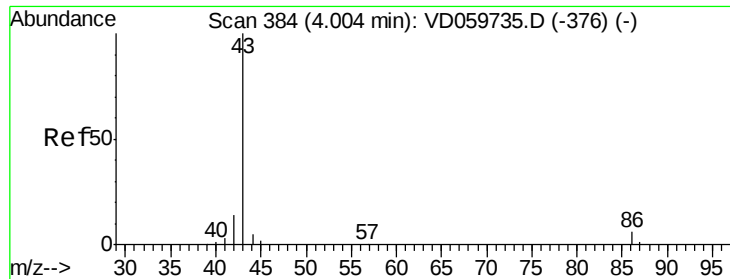
45 100

43 76.6 75.5 113.3

87 25.7 19.4 29.0

59 10.1 8.5 12.7





#23

Vinyl Acetate

Concen: 21.98 ug/l

RT: 4.01 min Scan# 384

Delta R.T. 0.00 min

Lab File: VD059732.D

Acq: 10 Aug 2018 16:44

Instrument :

MSVOA_D

ClientSampleID :

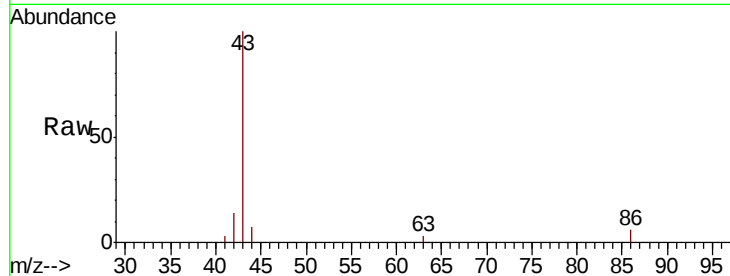
VSTDIC005

Tot Ion: 43 Resp: 57600

Ion Ratio Lower Upper

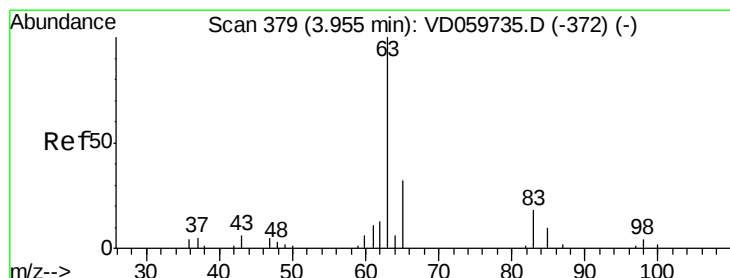
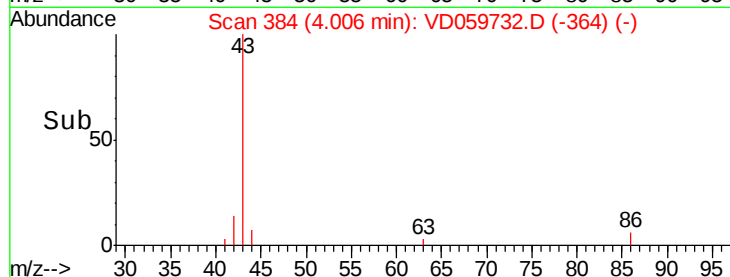
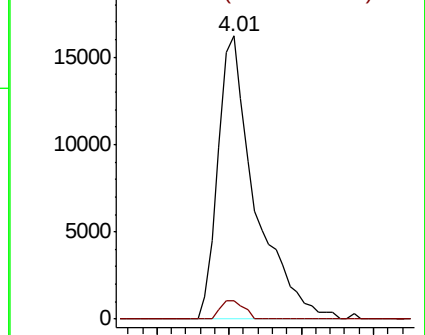
43 100

86 6.4 5.0 7.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 5.17 ug/l

RT: 3.96 min Scan# 379

Delta R.T. 0.00 min

Lab File: VD059732.D

Acq: 10 Aug 2018 16:44

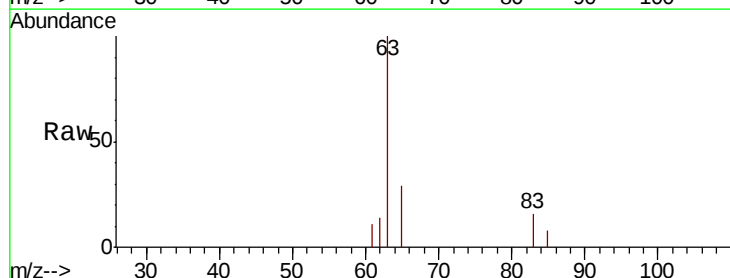
Tgt Ion: 63 Resp: 14042

Ion Ratio Lower Upper

63 100

98 0.0 1.8 5.5#

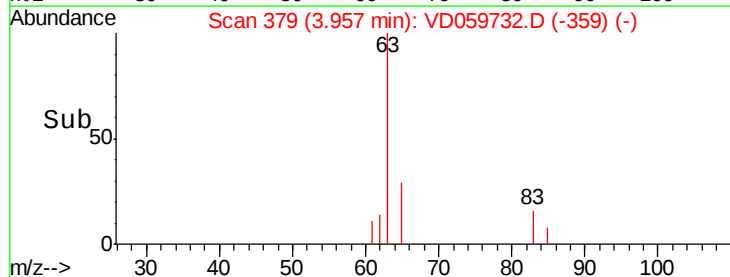
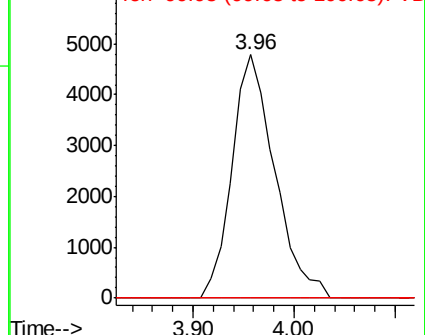
100 0.0 1.1 3.1#

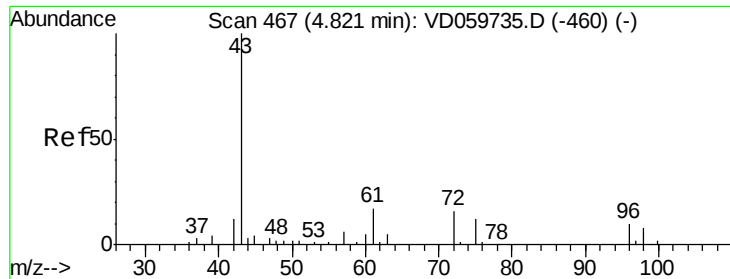


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 20.76 ug/l

RT: 4.83 min Scan# 468

Delta R.T. 0.01 min

Lab File: VD059732.D

Acq: 10 Aug 2018 16:44

Instrument :

MSVOA_D

ClientSampleId :

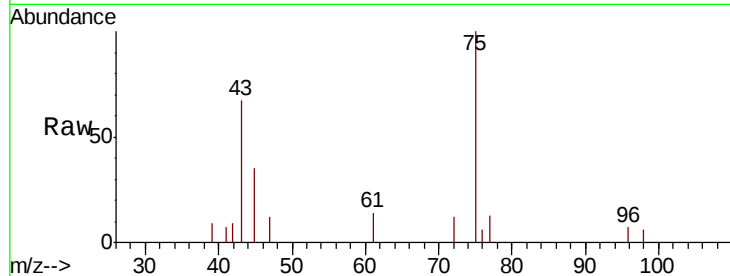
VSTDIC005

Tot Ion: 43 Resp: 10120

Ion Ratio Lower Upper

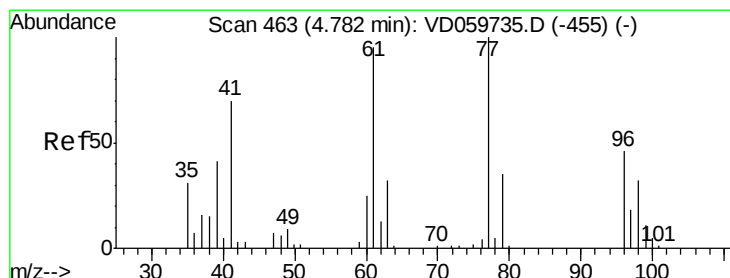
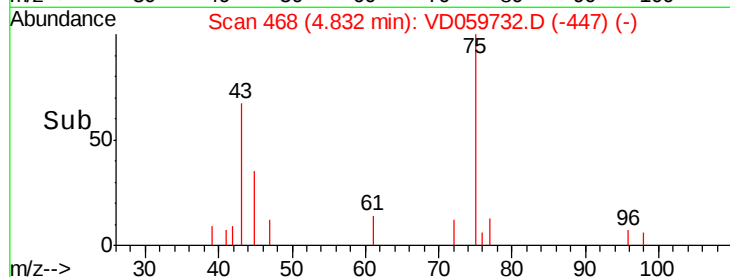
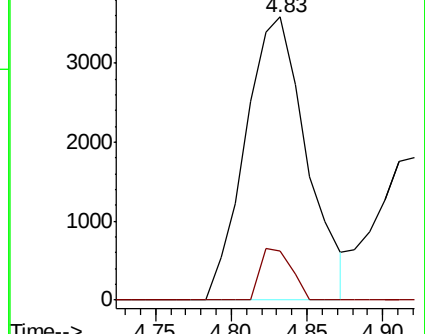
43 100

72 17.2 13.1 19.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 5.30 ug/l

RT: 4.78 min Scan# 463

Delta R.T. 0.00 min

Lab File: VD059732.D

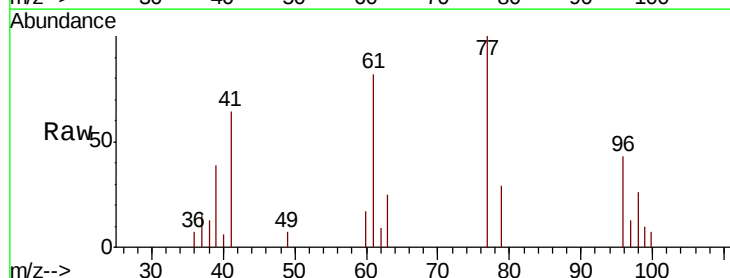
Acq: 10 Aug 2018 16:44

Tgt Ion: 77 Resp: 15600

Ion Ratio Lower Upper

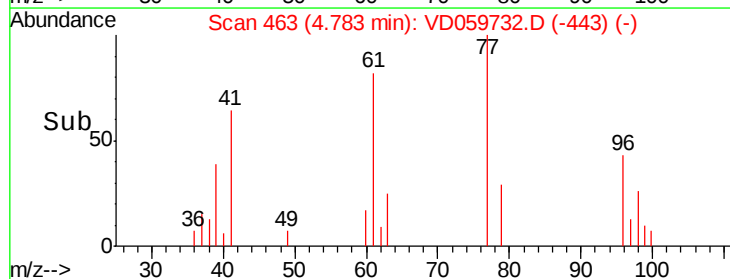
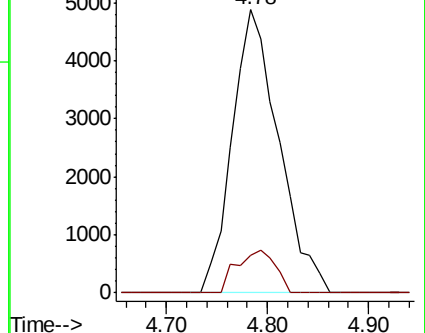
77 100

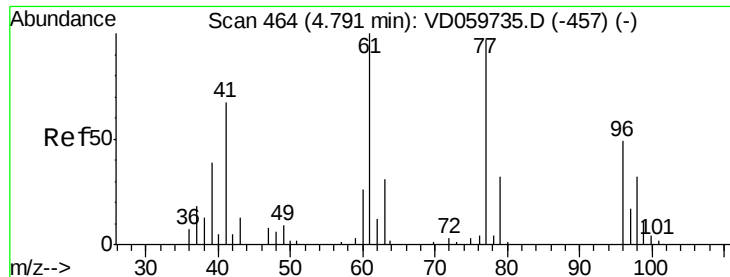
97 13.4 8.9 26.8



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

cis-1,2-Dichloroethene

Concen: 4.77 ug/l

RT: 4.79 min Scan# 464

Delta R.T. 0.00 min

Lab File: VD059732.D

Acq: 10 Aug 2018 16:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

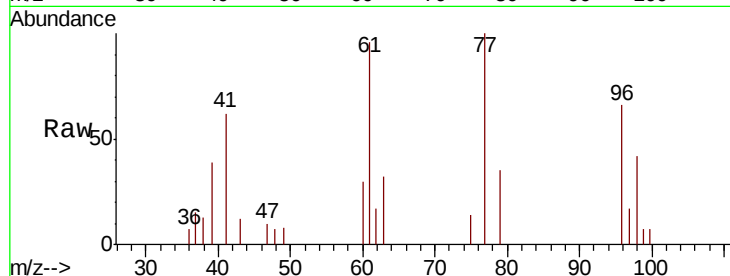
Tot Ion: 96 Resp: 6831

Ion Ratio Lower Upper

96 100

61 146.5 0.0 409.8

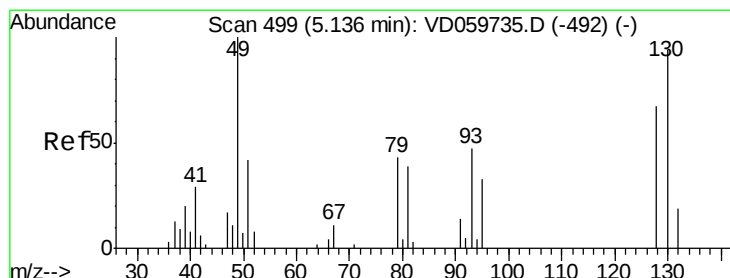
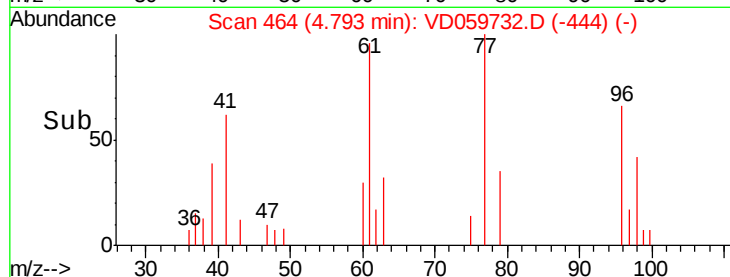
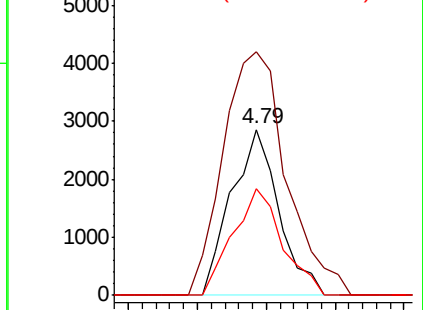
98 64.1 0.0 132.8



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#28

Bromochloromethane

Concen: 5.05 ug/l

RT: 5.14 min Scan# 499

Delta R.T. 0.00 min

Lab File: VD059732.D

Acq: 10 Aug 2018 16:44

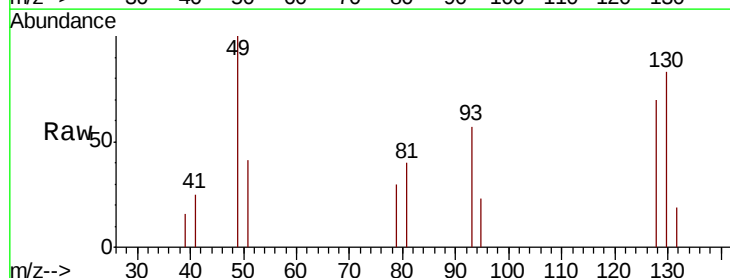
Tgt Ion: 49 Resp: 5156

Ion Ratio Lower Upper

49 100

129 0.0 0.0 0.0

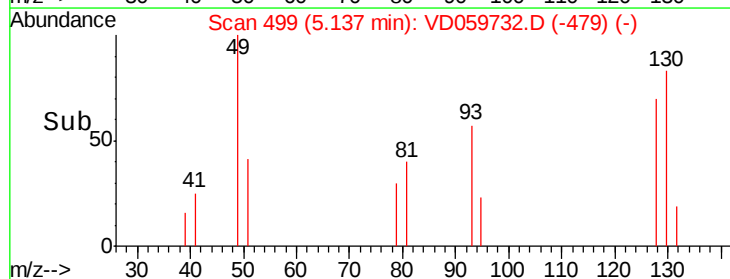
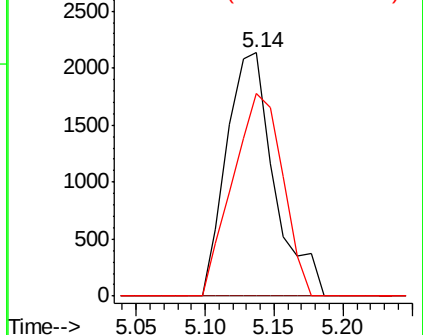
130 83.0 75.0 112.6

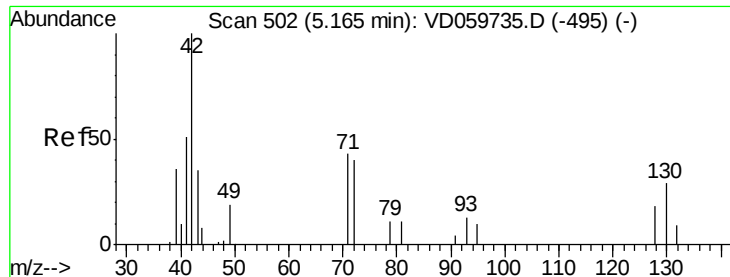


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 19.66 ug/l

RT: 5.17 min Scan# 502

Delta R.T. 0.00 min

Lab File: VD059732.D

Acq: 10 Aug 2018 16:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

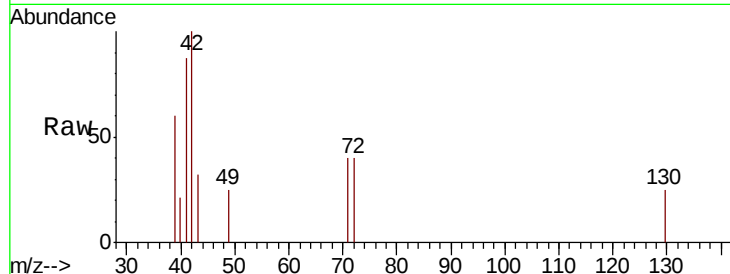
Tot Ion: 42 Resp: 3732

Ion Ratio Lower Upper

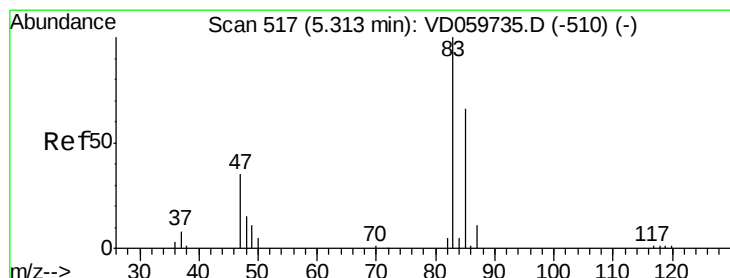
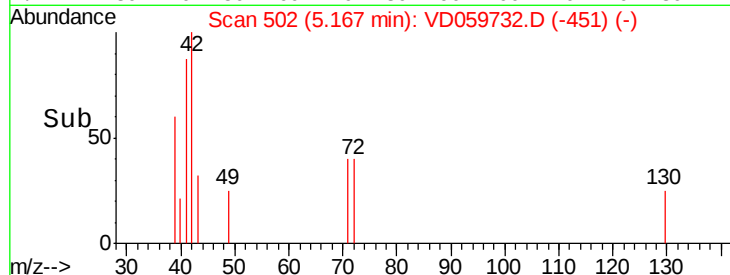
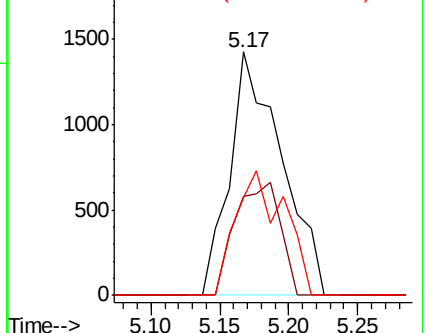
42 100

72 40.2 35.3 52.9

71 48.0 37.1 55.7



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: 5.14 ug/l

RT: 5.31 min Scan# 517

Delta R.T. 0.00 min

Lab File: VD059732.D

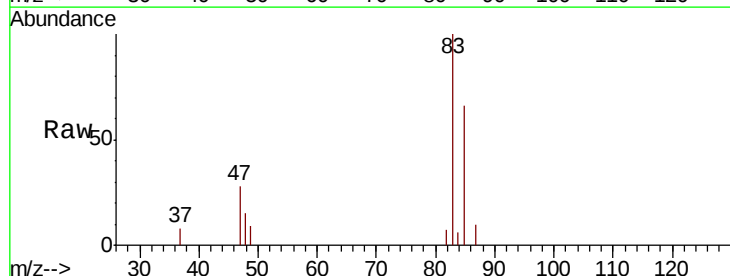
Acq: 10 Aug 2018 16:44

Tgt Ion: 83 Resp: 17362

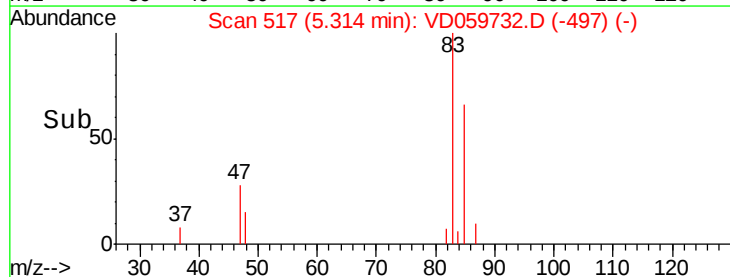
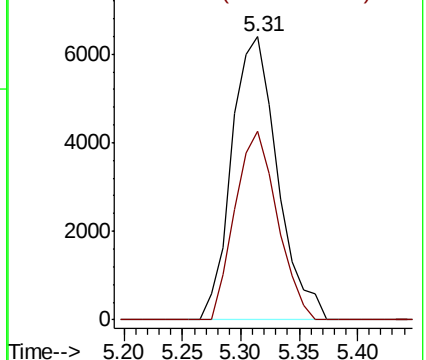
Ion Ratio Lower Upper

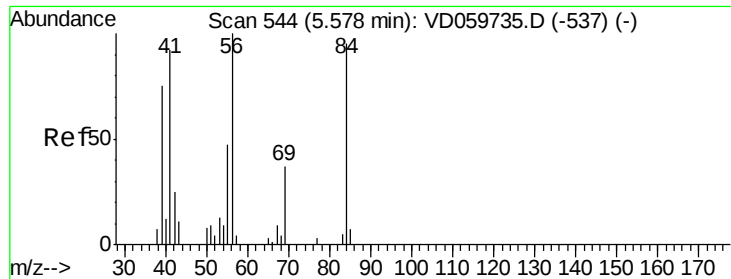
83 100

85 66.4 52.9 79.3



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

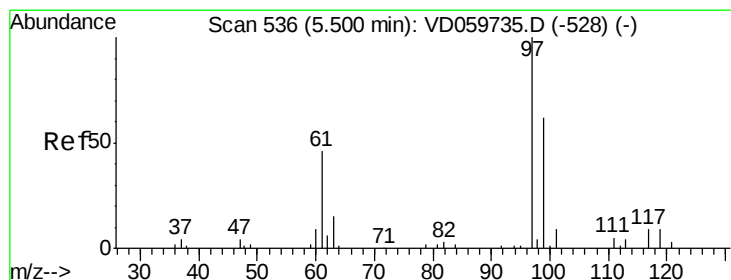
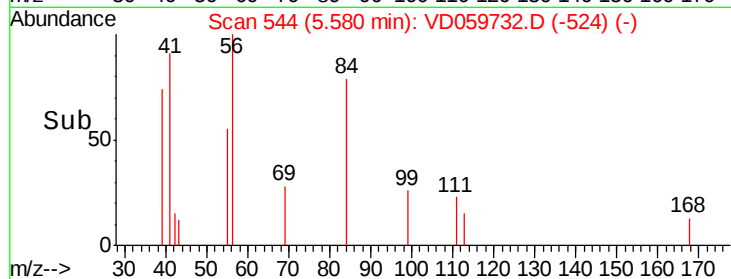
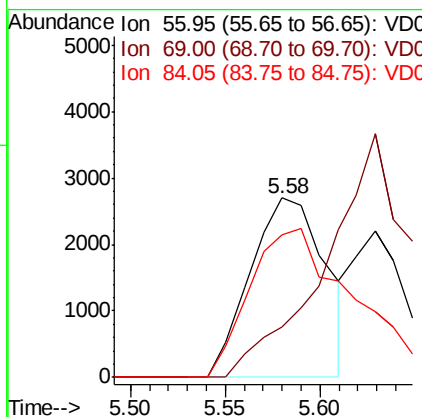
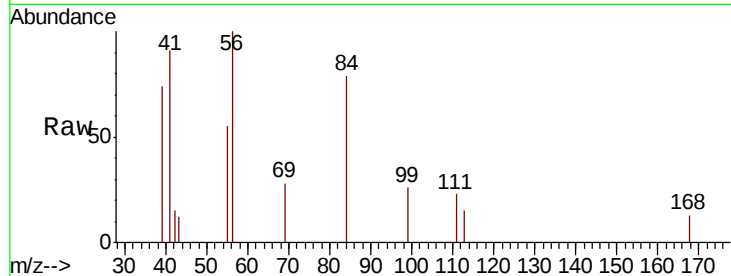




#31
Cvclohexane
Concen: 3.77 ug/l
RT: 5.58 min Scan# 544
Delta R.T. 0.00 min
Lab File: VD059732.D
Acq: 10 Aug 2018 16:44

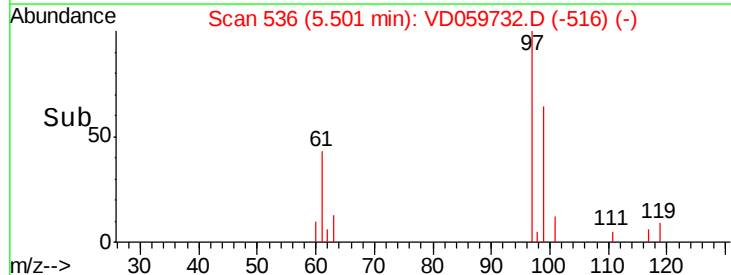
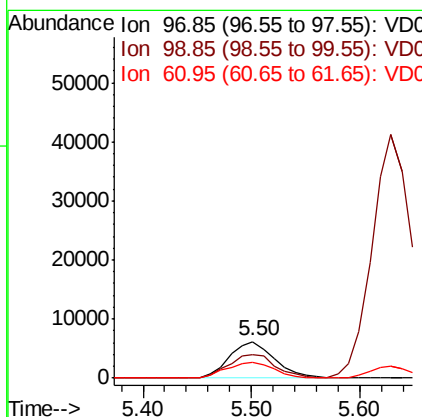
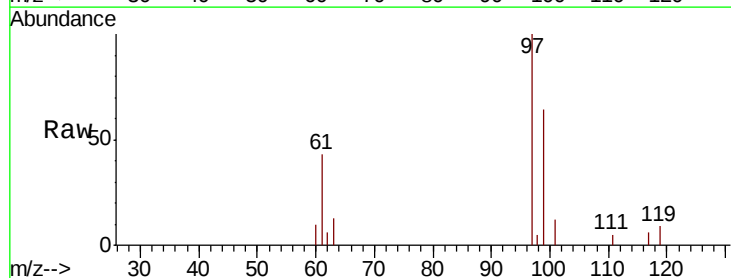
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

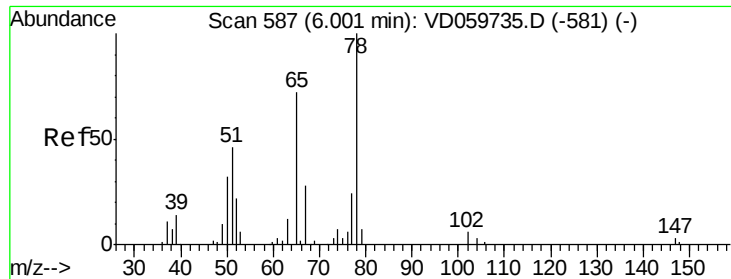
Tot Ion: 56 Resp: 7469
Ion Ratio Lower Upper
56 100
69 28.2 29.3 43.9#
84 79.0 76.2 114.2



#32
1,1,1-Trichloroethane
Concen: 5.37 ug/l
RT: 5.50 min Scan# 536
Delta R.T. 0.00 min
Lab File: VD059732.D
Acq: 10 Aug 2018 16:44

Tgt Ion: 97 Resp: 17762
Ion Ratio Lower Upper
97 100
99 64.1 49.8 74.6
61 42.9 37.0 55.4

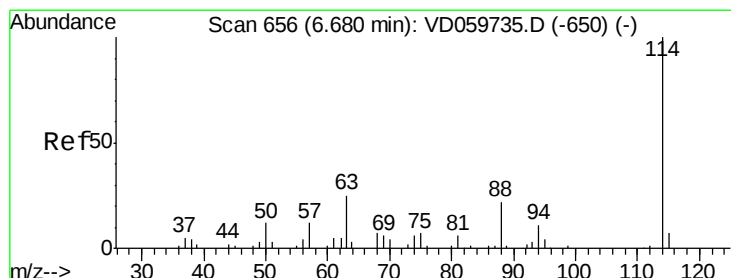
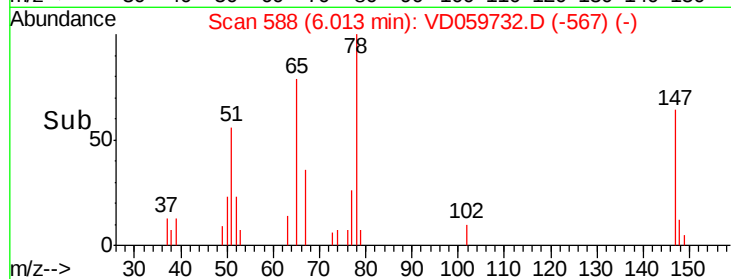
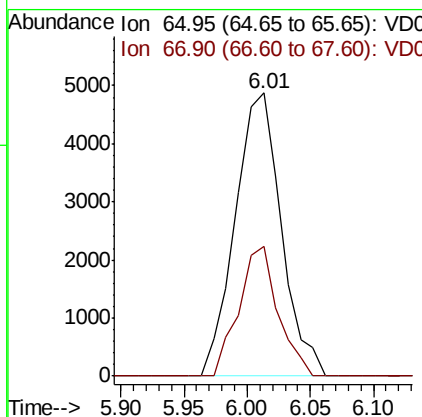
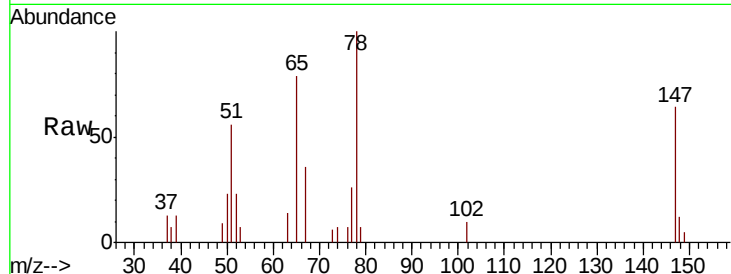




#33
 1,2-Dichloroethane-d4
 Concen: 5.37 ug/l
 RT: 6.01 min Scan# 588
 Delta R.T. 0.01 min
 Lab File: VD059732.D
 Acq: 10 Aug 2018 16:44

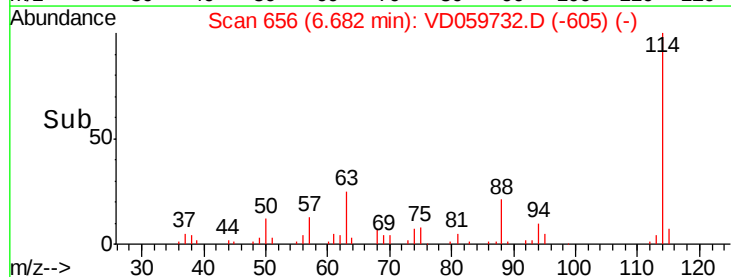
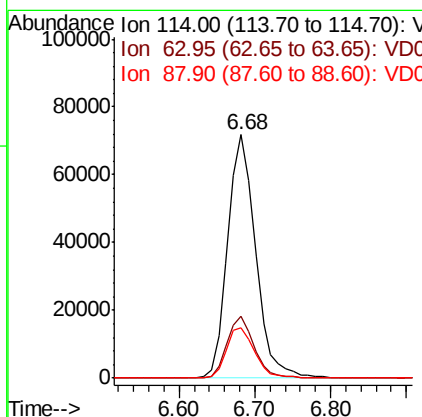
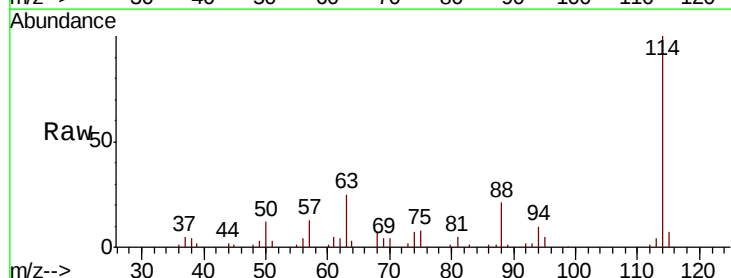
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

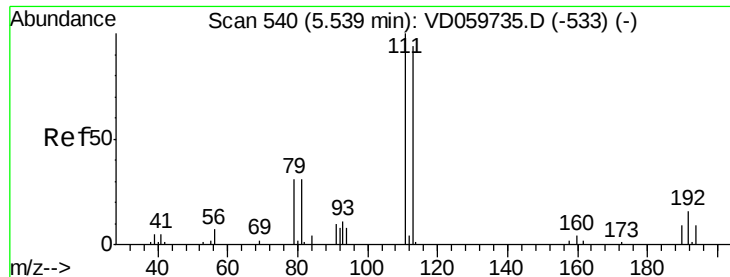
Tot Ion: 65 Resp: 12355
 Ion Ratio Lower Upper
 65 100
 67 45.9 0.0 77.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.68 min Scan# 656
 Delta R.T. 0.00 min
 Lab File: VD059732.D
 Acq: 10 Aug 2018 16:44

Tgt Ion: 114 Resp: 182938
 Ion Ratio Lower Upper
 114 100
 63 25.4 0.0 50.6
 88 20.9 0.0 43.4

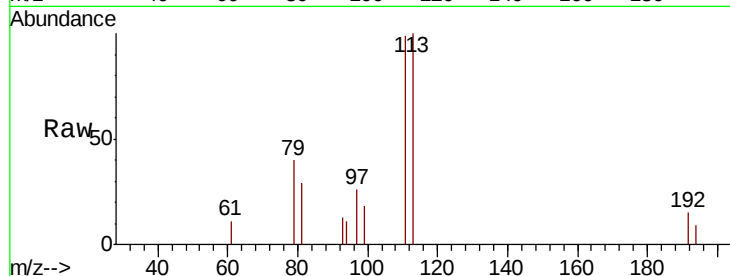




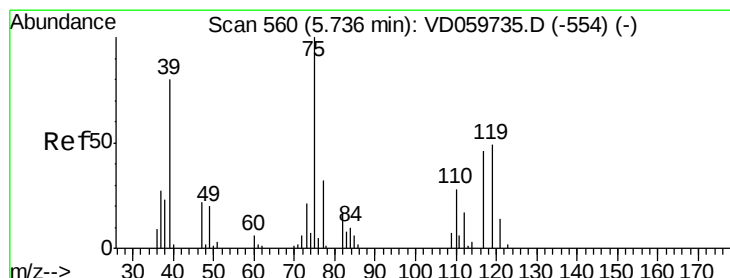
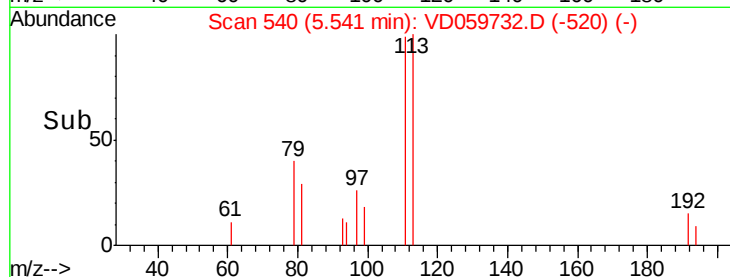
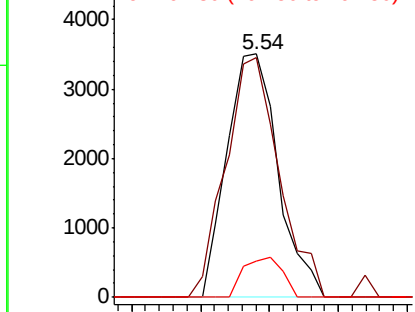
#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 5.54 min Scan# 540
 Delta R.T. 0.00 min
 Lab File: VD059732.D
 Acq: 10 Aug 2018 16:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion:113 Resp: 9049
 Ion Ratio Lower Upper
 113 100
 111 98.5 85.3 127.9
 192 14.9 13.9 20.9

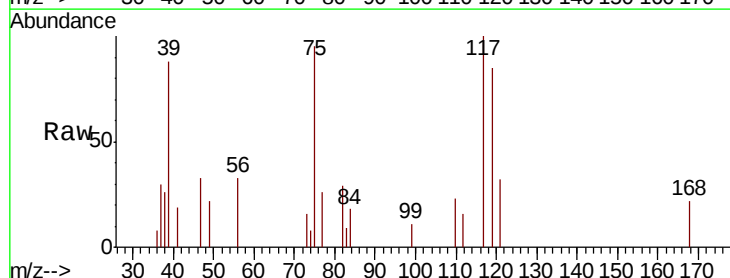


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

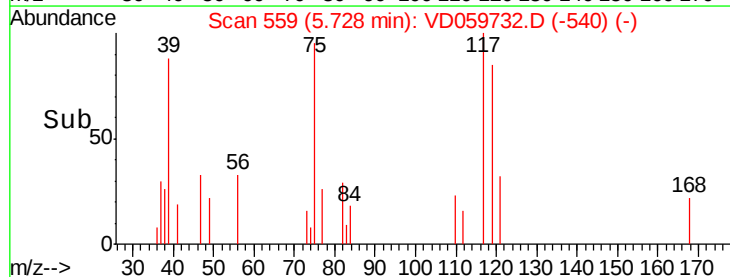
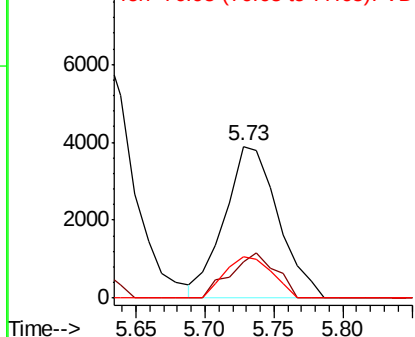


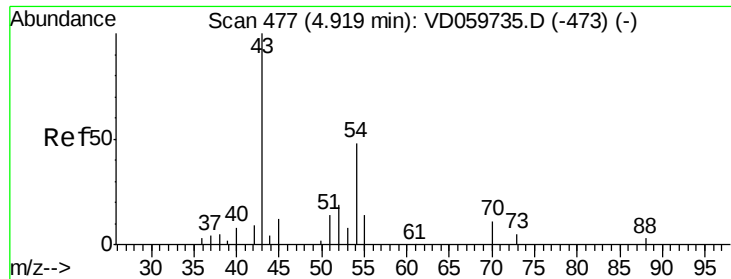
#36
 1,1-Dichloropropene
 Concen: 5.18 ug/l
 RT: 5.73 min Scan# 559
 Delta R.T. -0.01 min
 Lab File: VD059732.D
 Acq: 10 Aug 2018 16:44

Tgt Ion: 75 Resp: 10555
 Ion Ratio Lower Upper
 75 100
 110 23.8 13.7 41.0
 77 26.9 25.4 38.2



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

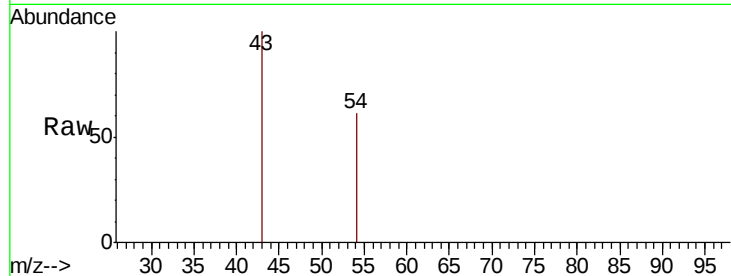




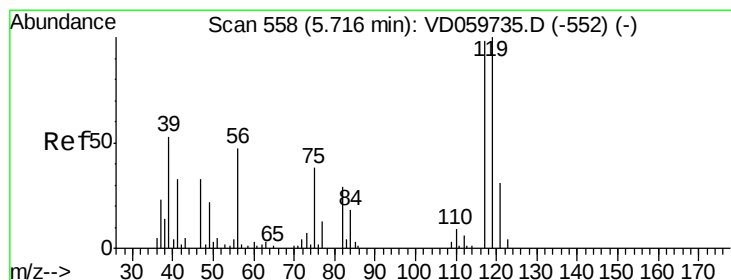
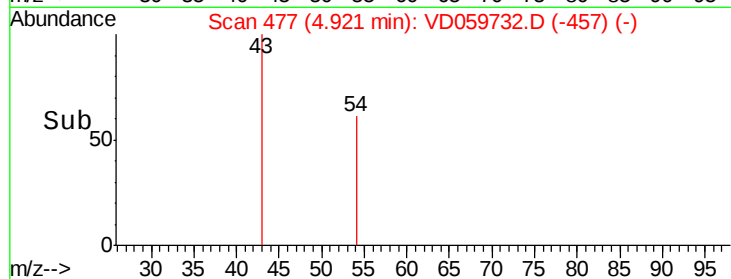
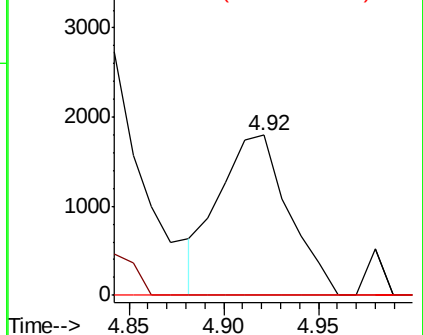
#37
Ethyl Acetate
Concen: 4.65 ug/l
RT: 4.92 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD059732.D
Acq: 10 Aug 2018 16:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 4601
Ion Ratio Lower Upper
43 100
61 0.0 7.4 11.0#
70 0.0 5.8 8.8#

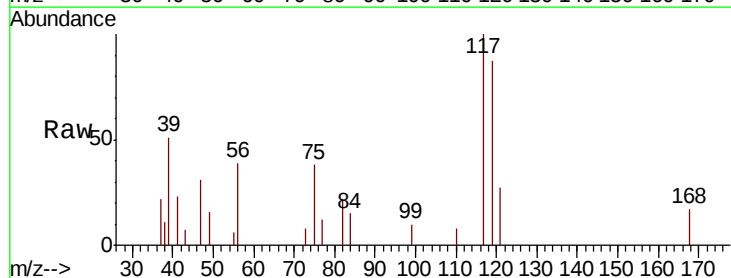


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

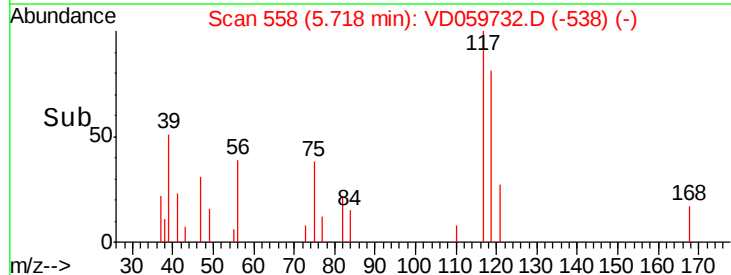
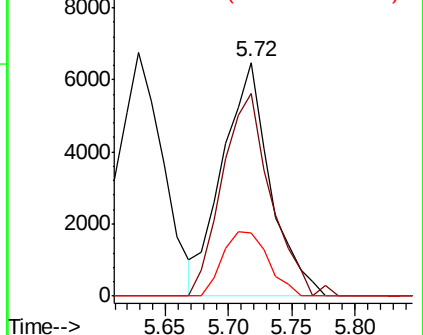


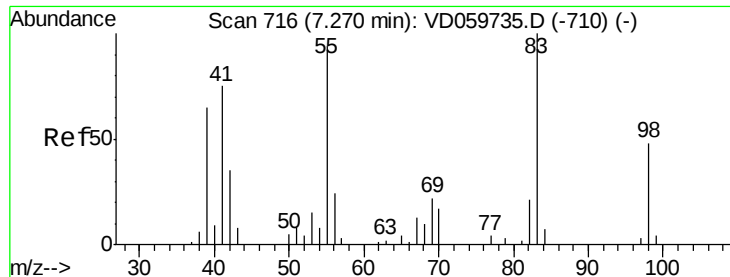
#38
Carbon Tetrachloride
Concen: 6.00 ug/l
RT: 5.72 min Scan# 558
Delta R.T. 0.00 min
Lab File: VD059732.D
Acq: 10 Aug 2018 16:44

Tgt Ion: 117 Resp: 16886
Ion Ratio Lower Upper
117 100
119 86.7 78.2 117.2
121 27.1 23.9 35.9



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

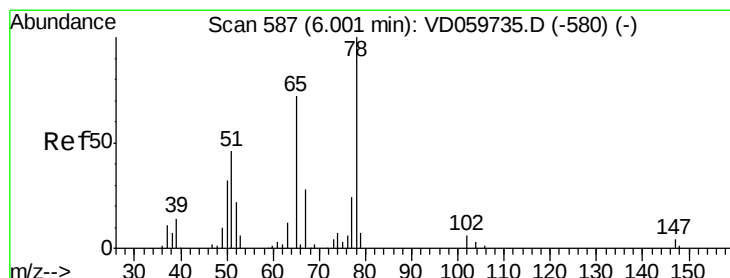
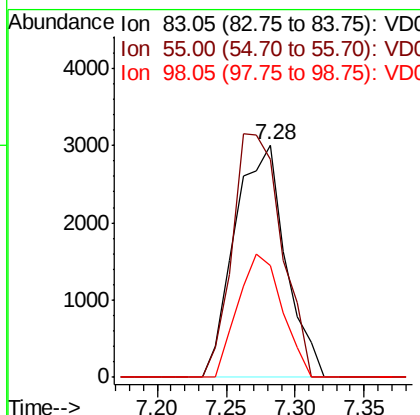
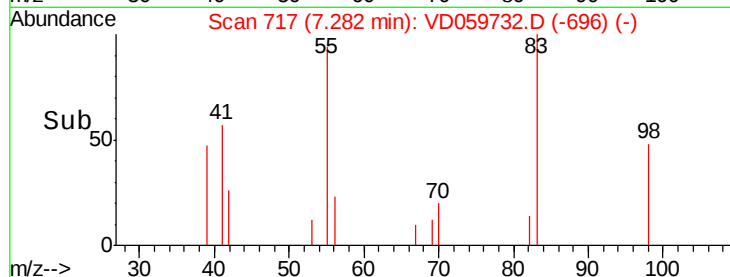
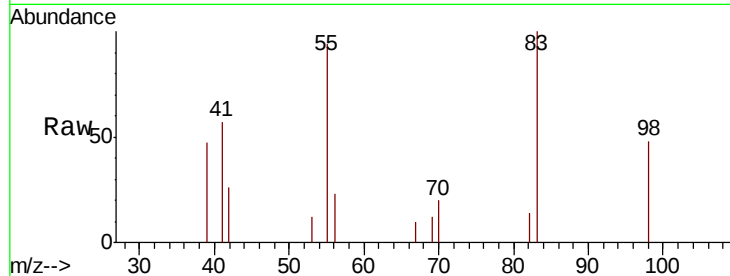




#39
Methylcyclohexane
Concen: 4.59 ug/l
RT: 7.28 min Scan# 717
Delta R.T. 0.01 min
Lab File: VD059732.D
Acq: 10 Aug 2018 16:44

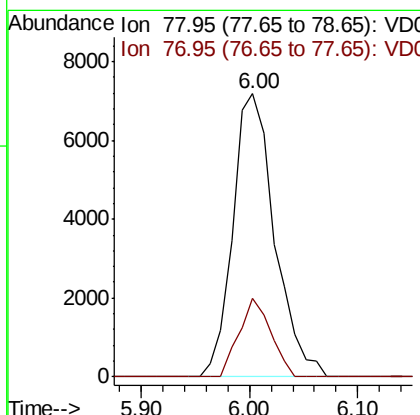
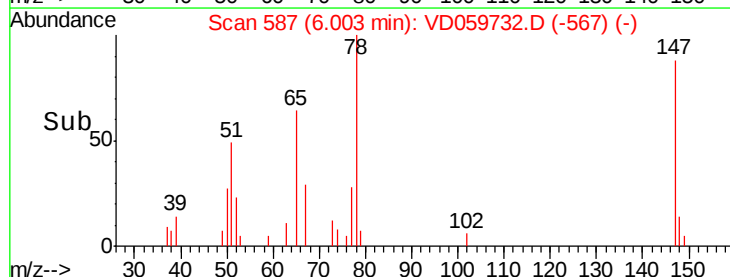
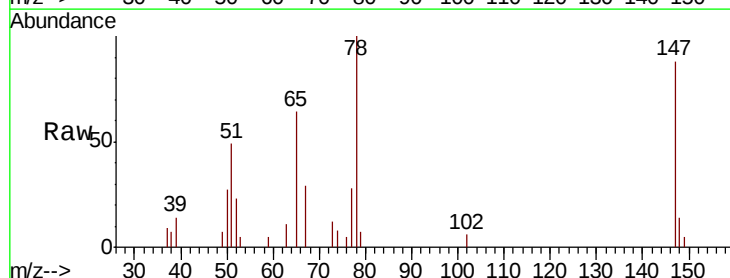
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

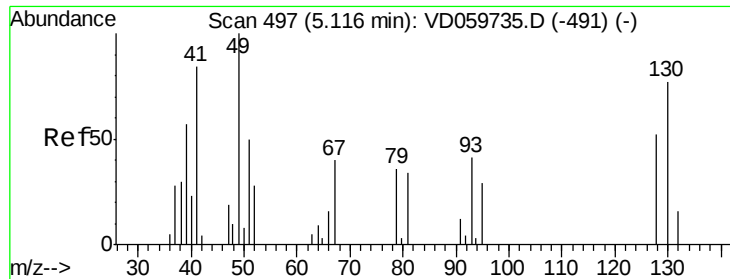
Tot Ion: 83 Resp: 7718
Ion Ratio Lower Upper
83 100
55 93.7 75.1 112.7
98 47.9 38.7 58.1



#40
Benzene
Concen: 4.97 ug/l
RT: 6.00 min Scan# 587
Delta R.T. 0.00 min
Lab File: VD059732.D
Acq: 10 Aug 2018 16:44

Tgt Ion: 78 Resp: 19311
Ion Ratio Lower Upper
78 100
77 27.6 19.4 29.0

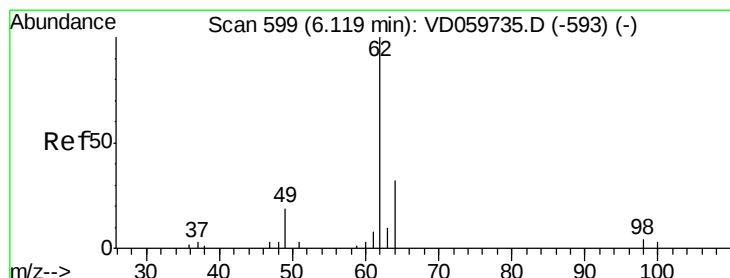
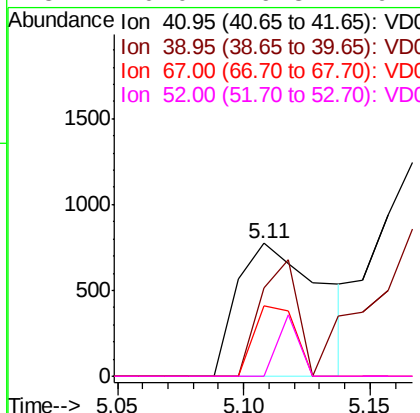
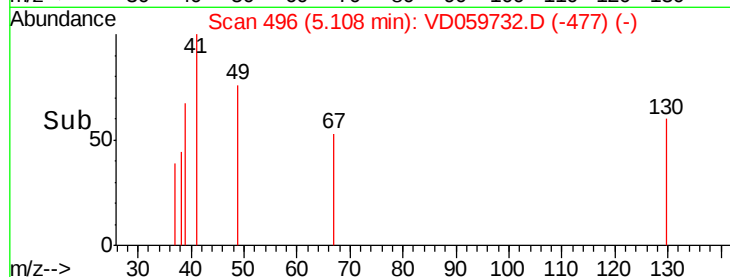
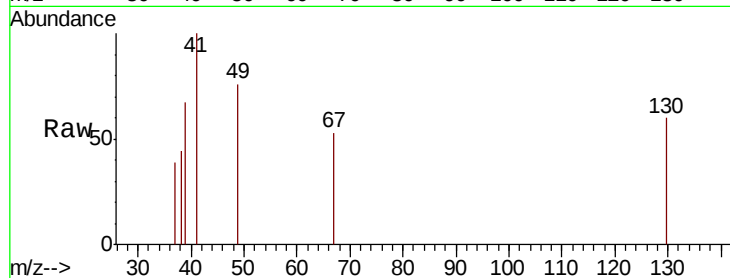




#41
Methacrylonitrile
Concen: 4.04 ug/l
RT: 5.11 min Scan# 496
Delta R.T. -0.01 min
Lab File: VD059732.D
Acq: 10 Aug 2018 16:44

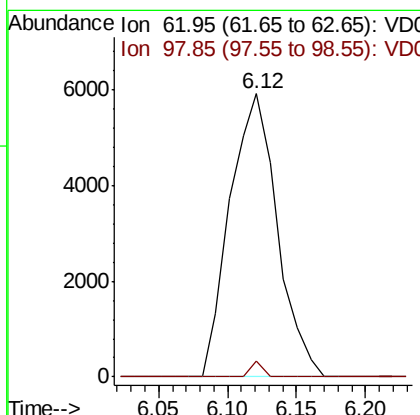
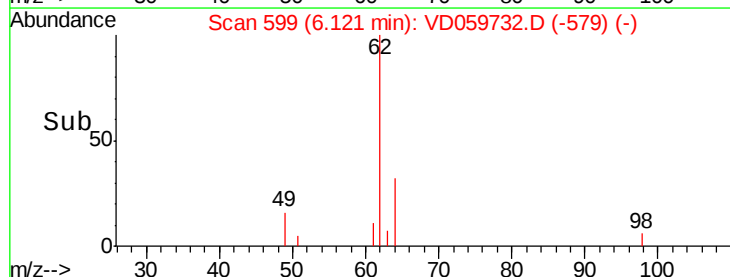
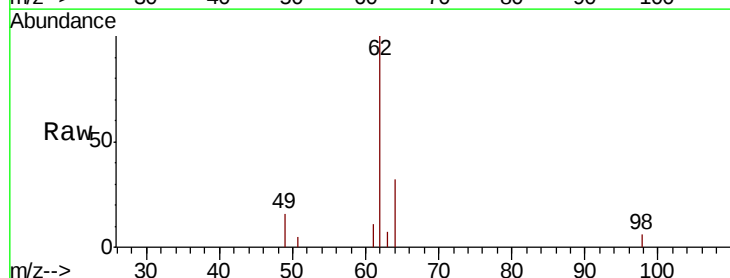
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

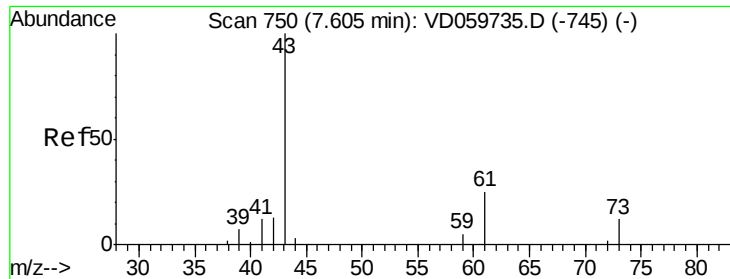
Tot Ion: 41 Resp: 1820
Ion Ratio Lower Upper
41 100
39 67.0 54.3 81.5
67 53.3 38.2 57.2
52 0.0 26.8 40.2#



#42
1,2-Dichloroethane
Concen: 5.60 ug/l
RT: 6.12 min Scan# 599
Delta R.T. 0.00 min
Lab File: VD059732.D
Acq: 10 Aug 2018 16:44

Tgt Ion: 62 Resp: 14144
Ion Ratio Lower Upper
62 100
98 5.5 0.0 8.2





#43

Isopropyl Acetate

Concen: 4.24 ug/l

RT: 7.61 min Scan# 750

Delta R.T. 0.00 min

Lab File: VD059732.D

Acq: 10 Aug 2018 16:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

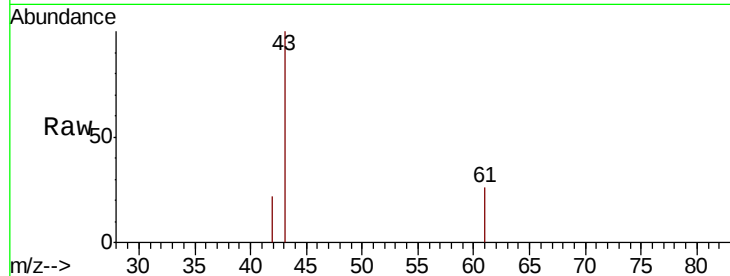
Tot Ion: 43 Resp: 5407

Ion Ratio Lower Upper

43 100

61 25.6 19.8 29.8

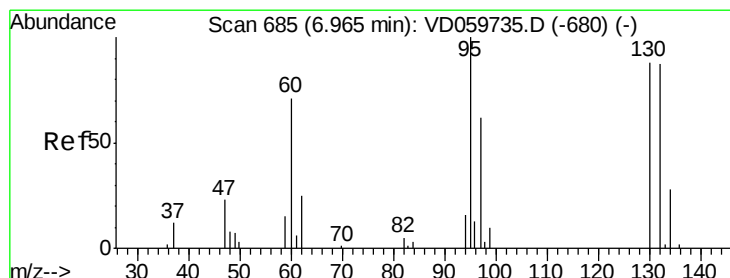
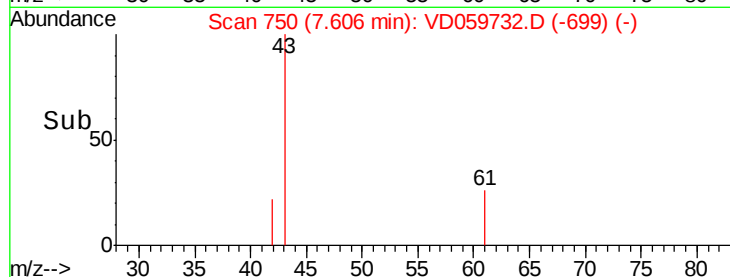
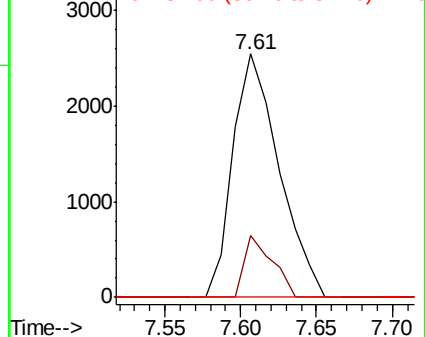
87 0.0 0.0 0.0



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: 5.05 ug/l

RT: 6.97 min Scan# 685

Delta R.T. 0.00 min

Lab File: VD059732.D

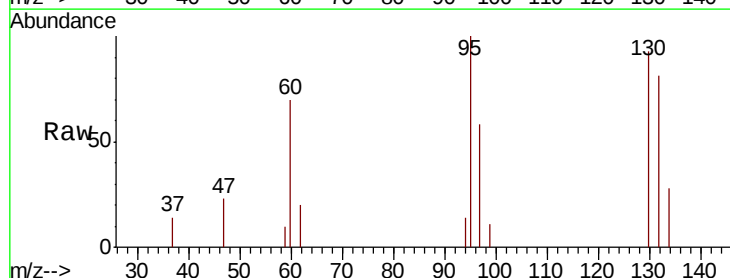
Acq: 10 Aug 2018 16:44

Tgt Ion: 130 Resp: 7331

Ion Ratio Lower Upper

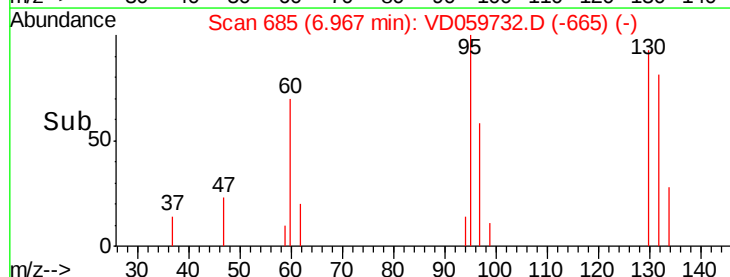
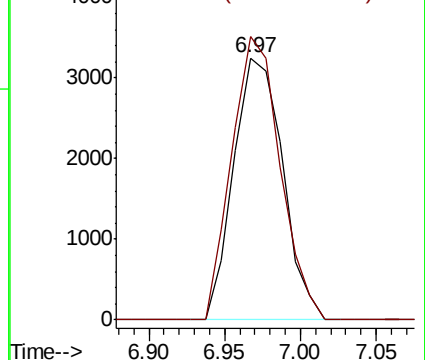
130 100

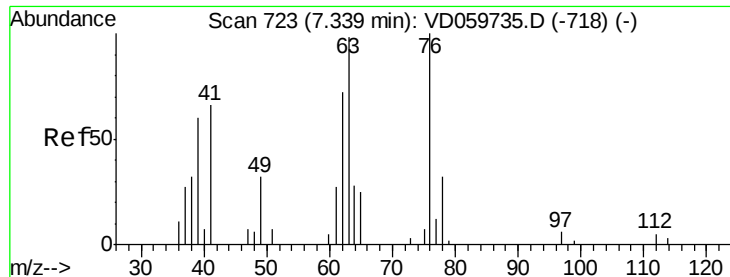
95 107.9 0.0 226.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 4.16 ug/l

RT: 7.34 min Scan# 723

Delta R.T. 0.00 min

Lab File: VD059732.D

Acq: 10 Aug 2018 16:44

Instrument :

MSVOA_D

ClientSampleId :

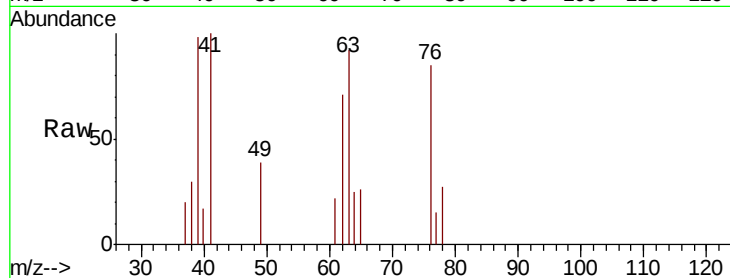
VSTDIC005

Tot Ion: 63 Resp: 4262

Ion Ratio Lower Upper

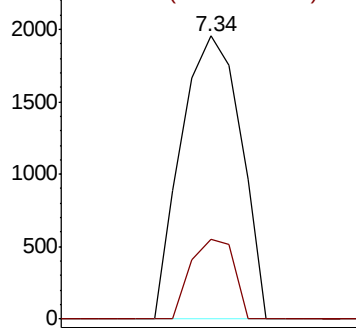
63 100

65 28.2 23.0 34.4

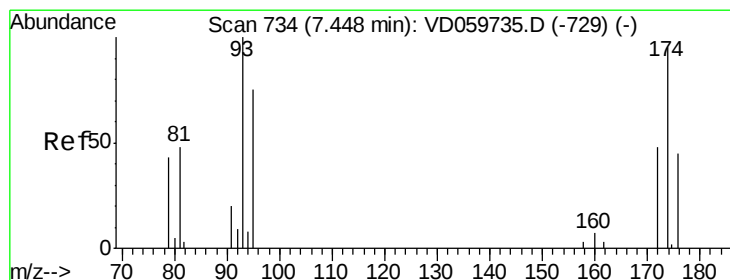
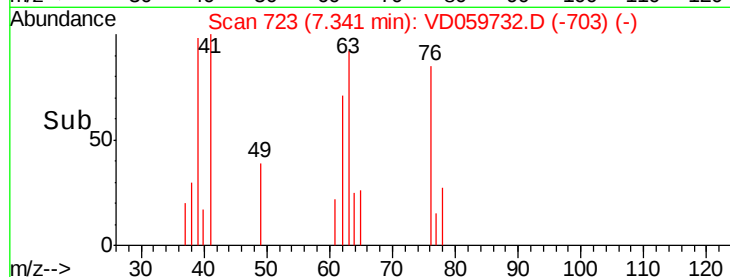


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



Time-->



#46

Dibromomethane

Concen: 5.31 ug/l

RT: 7.46 min Scan# 735

Delta R.T. 0.01 min

Lab File: VD059732.D

Acq: 10 Aug 2018 16:44

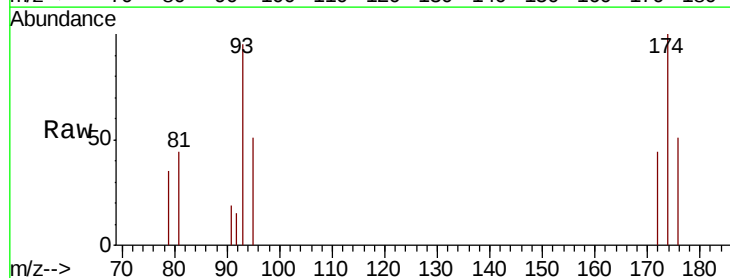
Tgt Ion: 93 Resp: 4871

Ion Ratio Lower Upper

93 100

95 53.9 60.2 90.2#

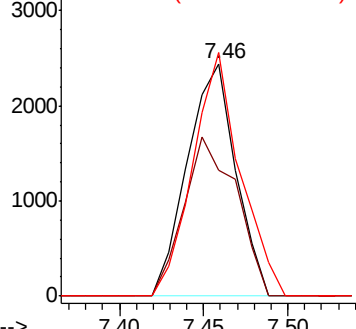
174 104.7 75.6 113.4



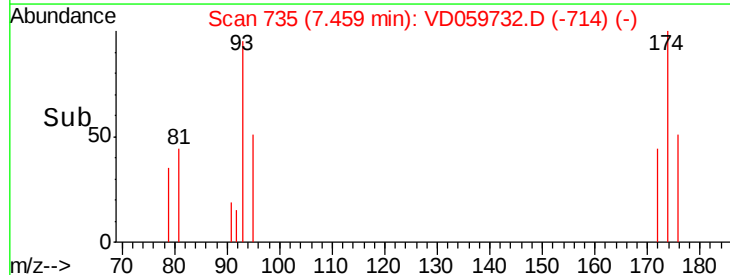
Abundance Ion 92.90 (92.60 to 93.60): VDC

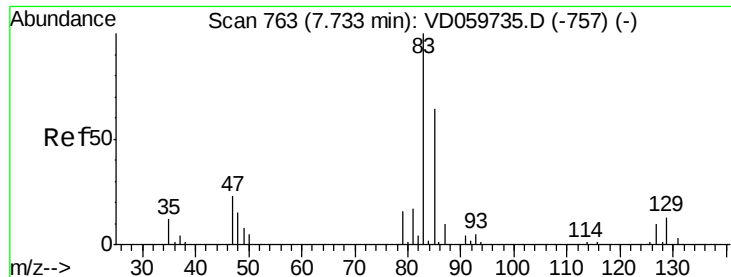
Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V



Time-->





#47

Bromodichloromethane

Concen: 5.22 ug/l

RT: 7.73 min Scan# 763

Delta R.T. 0.00 min

Lab File: VD059732.D

Acq: 10 Aug 2018 16:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

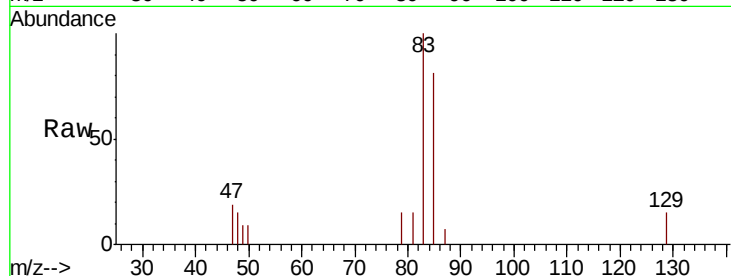
Tot Ion: 83 Resp: 12297

Ion Ratio Lower Upper

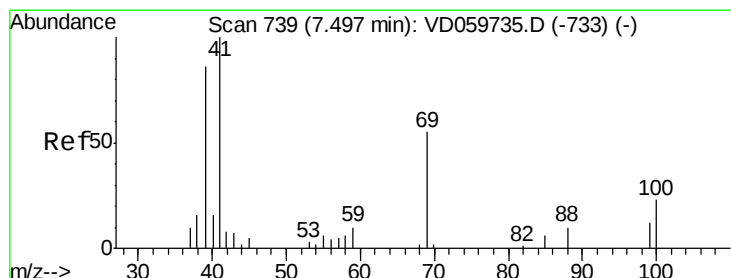
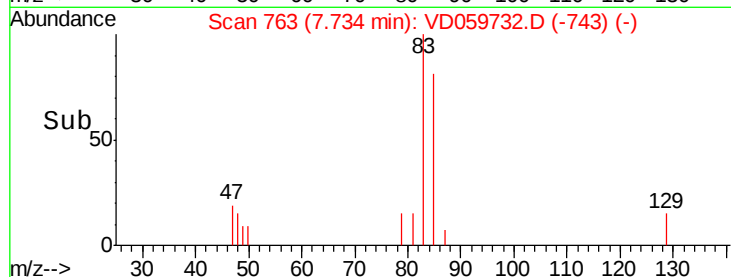
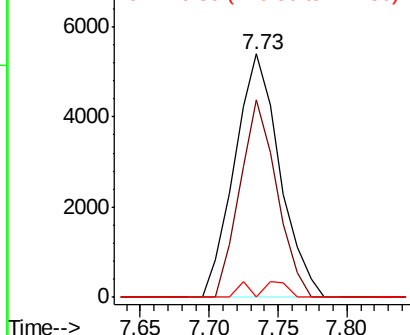
83 100

85 81.3 51.6 77.4#

127 0.0 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: 4.36 ug/l

RT: 7.50 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD059732.D

Acq: 10 Aug 2018 16:44

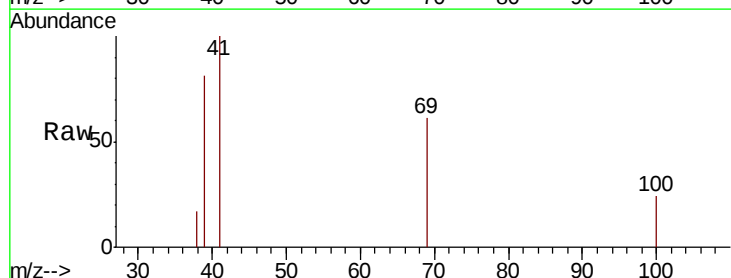
Tgt Ion: 41 Resp: 3746

Ion Ratio Lower Upper

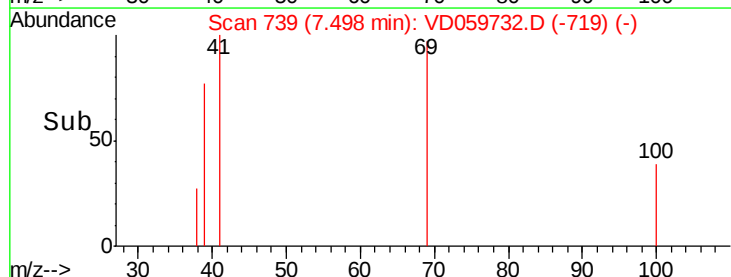
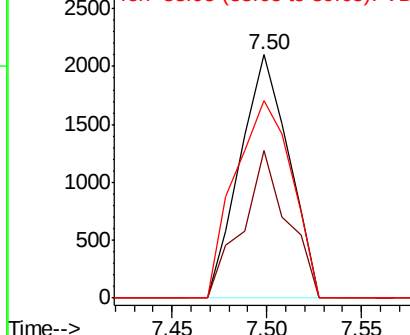
41 100

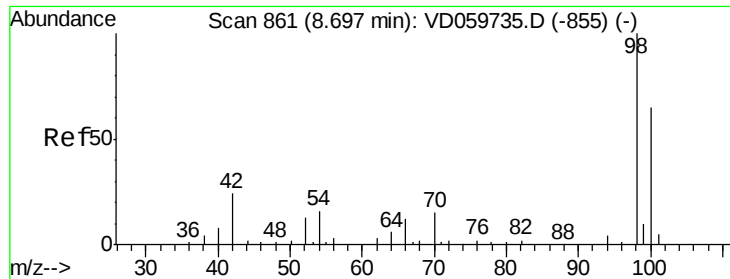
69 60.7 43.8 65.6

39 81.1 69.1 103.7



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

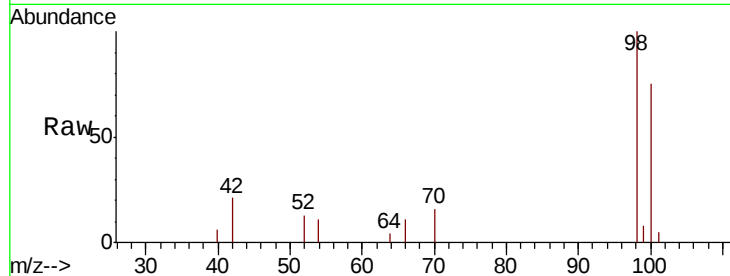




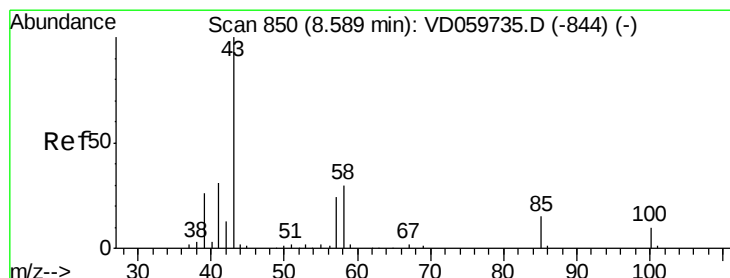
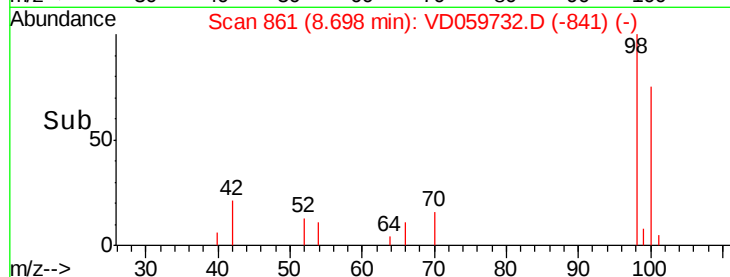
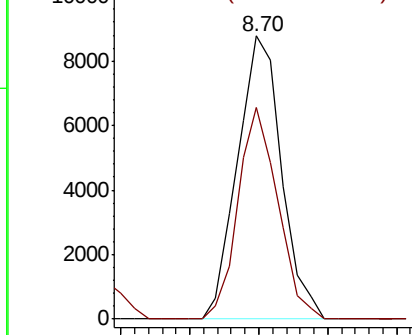
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.70 min Scan# 861
Delta R.T. 0.00 min
Lab File: VD059732.D
Acq: 10 Aug 2018 16:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 98 Resp: 19487
Ion Ratio Lower Upper
98 100
100 74.9 52.2 78.2

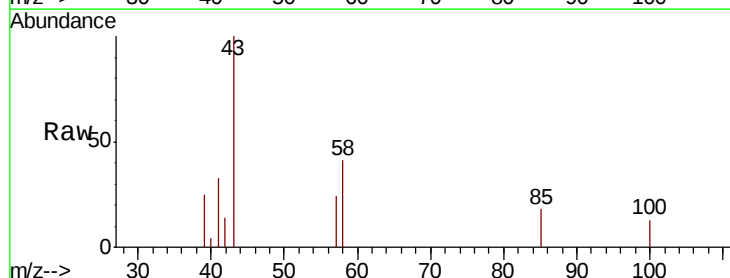


Abundance Ion 98.05 (97.75 to 98.75): VD059735.D (-855) (-)
Ion 100.05 (99.75 to 100.75): VD059735.D (-855) (-)

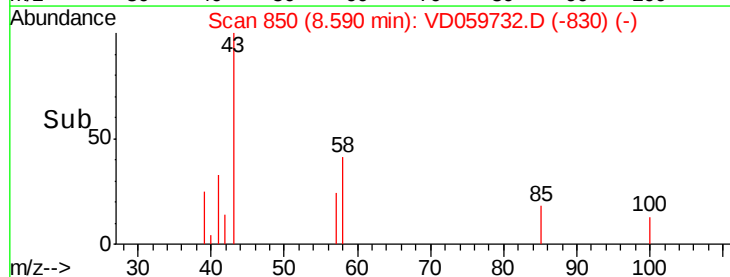
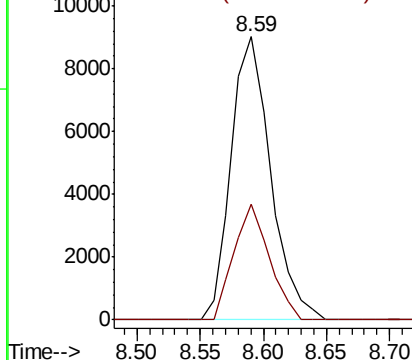


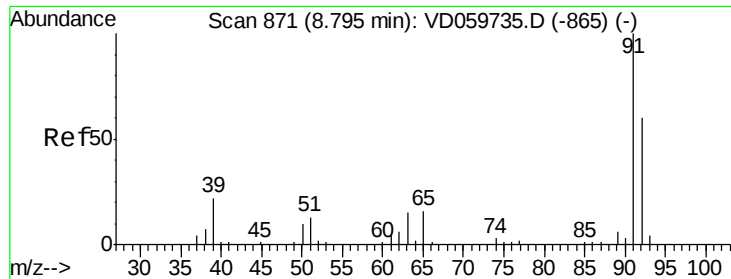
#51
4-Methyl-2-Pentanone
Concen: 20.80 ug/l
RT: 8.59 min Scan# 850
Delta R.T. 0.00 min
Lab File: VD059732.D
Acq: 10 Aug 2018 16:44

Tgt Ion: 43 Resp: 19578
Ion Ratio Lower Upper
43 100
58 41.0 24.3 36.5#



Abundance Ion 42.95 (42.65 to 43.65): VD059735.D (-844) (-)
Ion 57.95 (57.65 to 58.65): VD059735.D (-844) (-)





#52

Toluene

Concen: 5.03 ug/l

RT: 8.80 min Scan# 871

Delta R.T. 0.00 min

Lab File: VD059732.D

Acq: 10 Aug 2018 16:44

Instrument :

MSVOA_D

ClientSampleId :

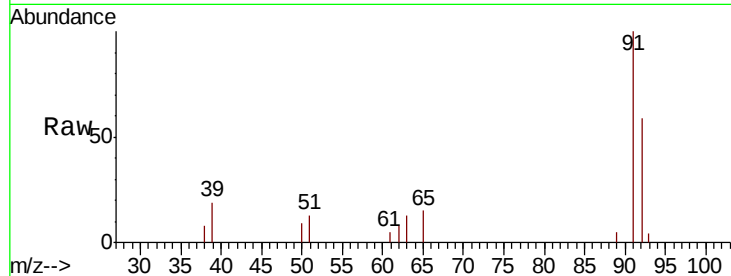
VSTDIC005

Tot Ion: 92 Resp: 12512

Ion Ratio Lower Upper

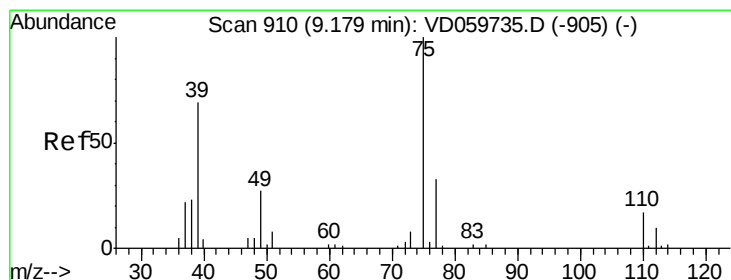
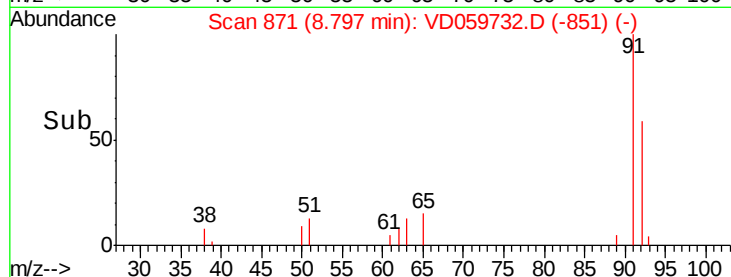
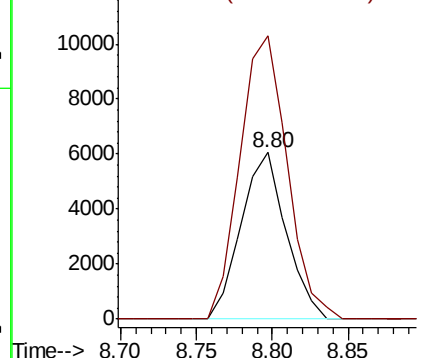
92 100

91 170.0 134.4 201.6



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: 5.24 ug/l

RT: 9.18 min Scan# 910

Delta R.T. 0.00 min

Lab File: VD059732.D

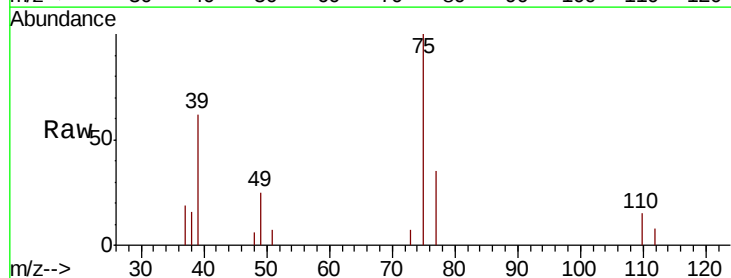
Acq: 10 Aug 2018 16:44

Tgt Ion: 75 Resp: 10316

Ion Ratio Lower Upper

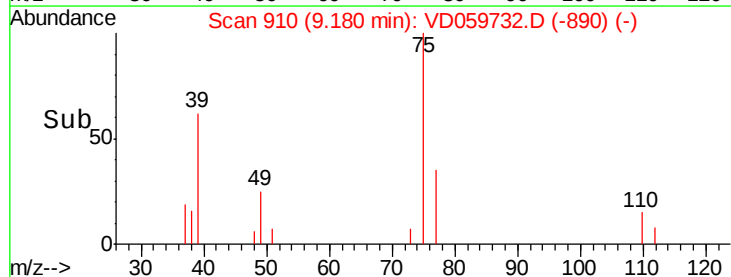
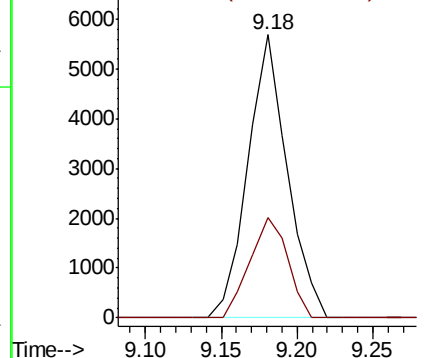
75 100

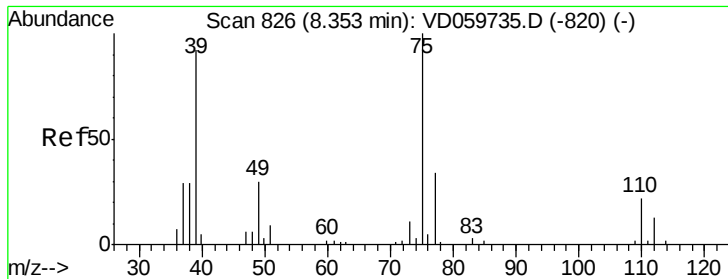
77 35.3 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#54

cis-1,3-Dichloropropene

Concen: 4.94 ug/l

RT: 8.35 min Scan# 826

Delta R.T. 0.00 min

Lab File: VD059732.D

Acq: 10 Aug 2018 16:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

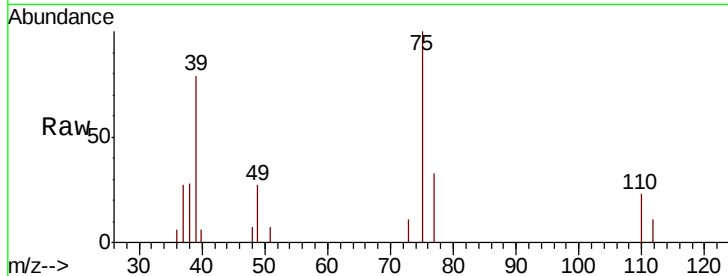
Tot Ion: 75 Resp: 9860

Ion Ratio Lower Upper

75 100

77 32.8 27.2 40.8

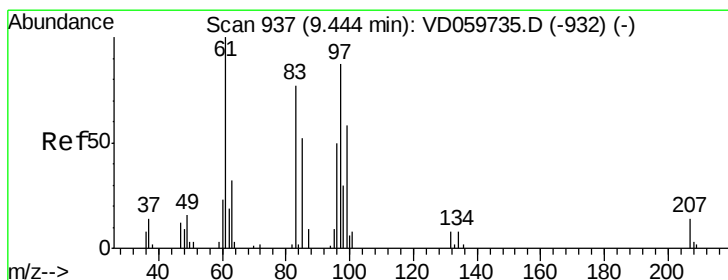
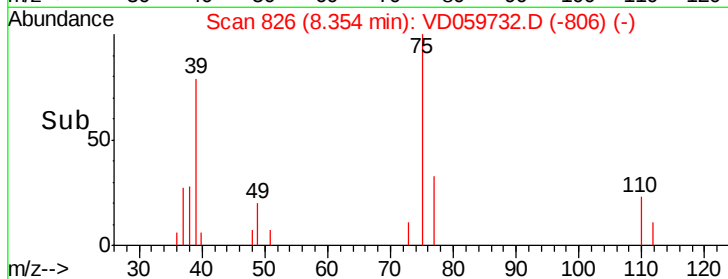
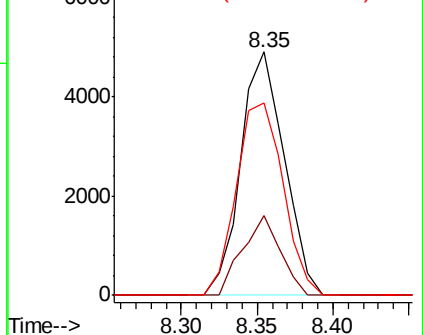
39 78.9 73.8 110.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC



#55

1,1,2-Trichloroethane

Concen: 5.16 ug/l

RT: 9.45 min Scan# 937

Delta R.T. 0.00 min

Lab File: VD059732.D

Acq: 10 Aug 2018 16:44

Tgt Ion: 97 Resp: 4992

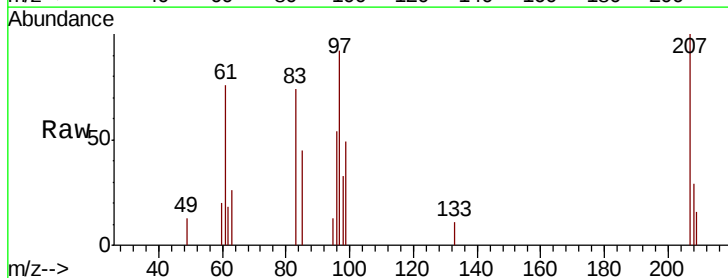
Ion Ratio Lower Upper

97 100

83 80.3 70.4 105.6

85 48.6 47.6 71.4

99 52.9 53.1 79.7#

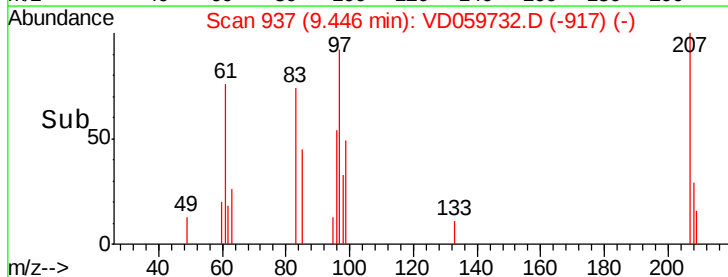
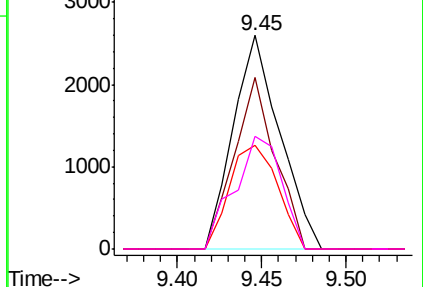


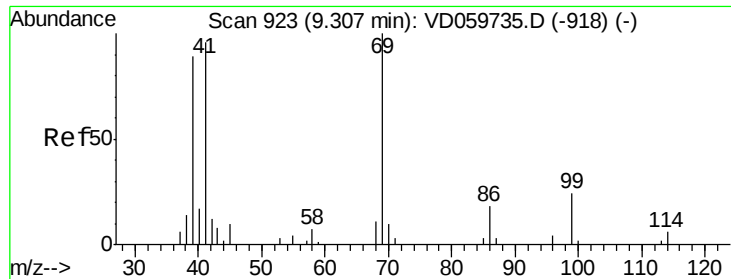
Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC





#56

Ethyl methacrylate

Concen: 4.43 ug/l

RT: 9.31 min Scan# 923

Delta R.T. 0.00 min

Lab File: VD059732.D

Acq: 10 Aug 2018 16:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

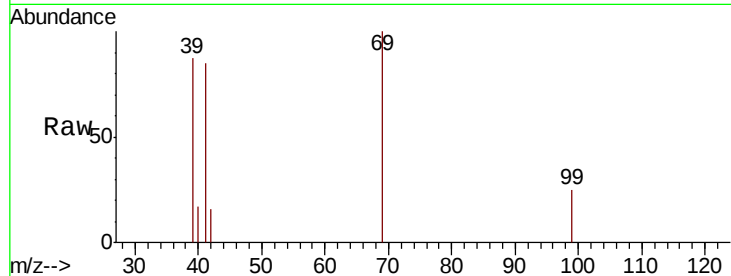
Tot Ion: 69 Resp: 4679

Ion Ratio Lower Upper

69 100

41 85.2 76.7 115.1

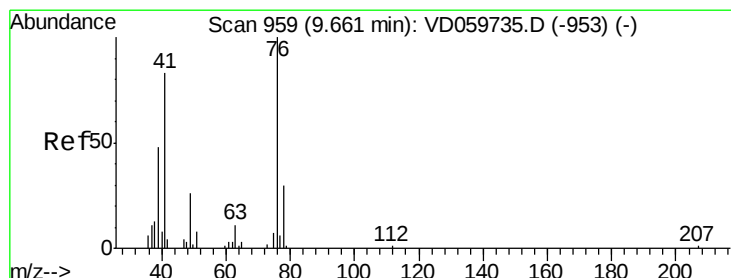
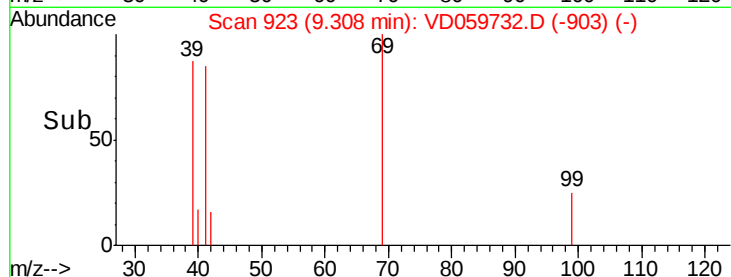
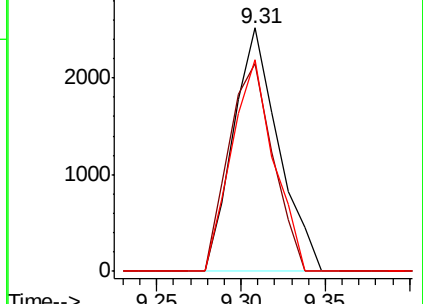
39 86.9 71.0 106.4



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: 5.09 ug/l

RT: 9.65 min Scan# 958

Delta R.T. -0.01 min

Lab File: VD059732.D

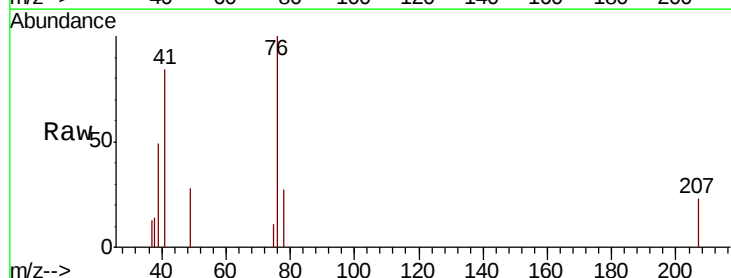
Acq: 10 Aug 2018 16:44

Tgt Ion: 76 Resp: 7663

Ion Ratio Lower Upper

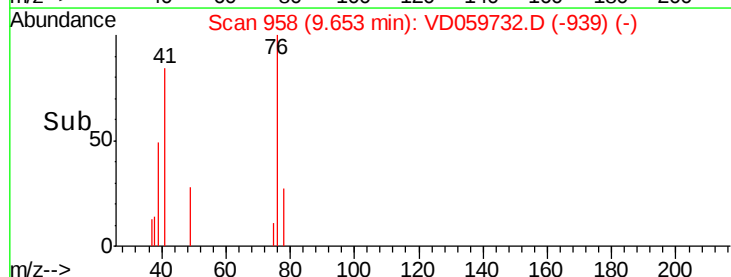
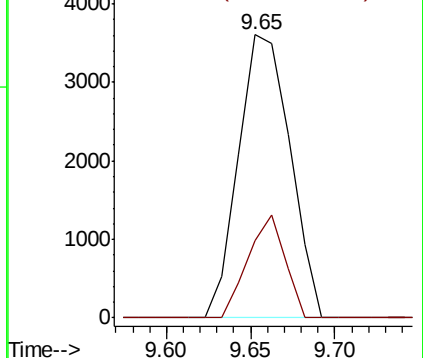
76 100

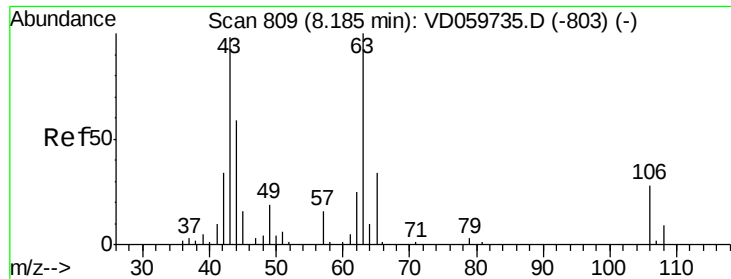
78 27.3 23.8 35.8



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

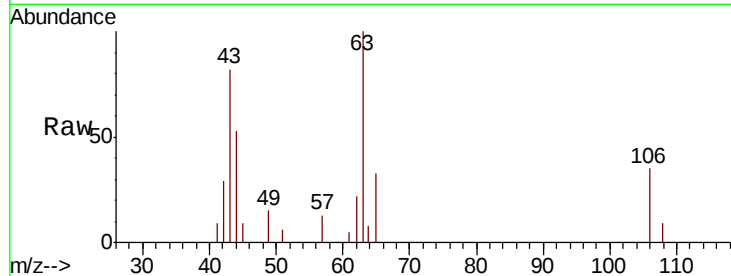




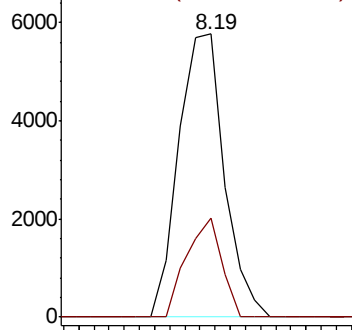
#58
2-Chloroethyl Vinyl ether
Concen: 23.77 ug/l
RT: 8.19 min Scan# 809
Delta R.T. 0.00 min
Lab File: VD059732.D
Acq: 10 Aug 2018 16:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

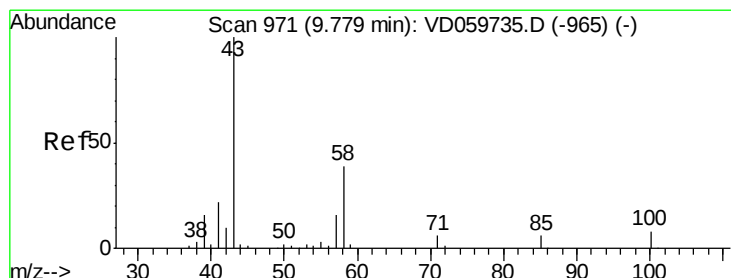
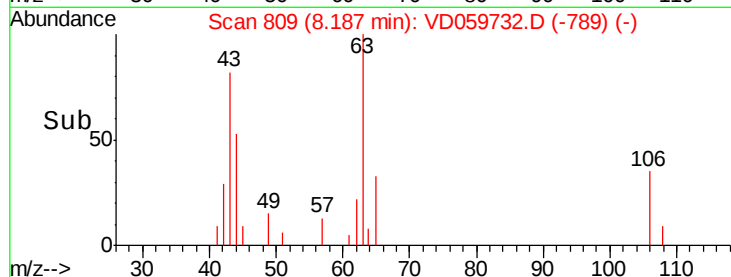
Tot Ion: 63 Resp: 12092
Ion Ratio Lower Upper
63 100
106 34.9 22.2 33.2#



Abundance Ion 62.95 (62.65 to 63.65): VDC
Ion 105.95 (105.65 to 106.65): VDC

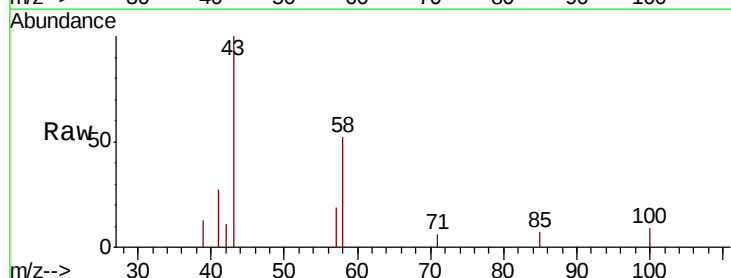


Time--> 8.10 8.15 8.20 8.25

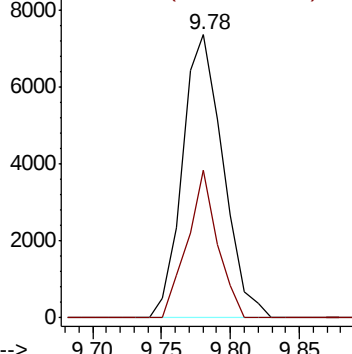


#59
2-Hexanone
Concen: 21.35 ug/l
RT: 9.78 min Scan# 971
Delta R.T. 0.00 min
Lab File: VD059732.D
Acq: 10 Aug 2018 16:44

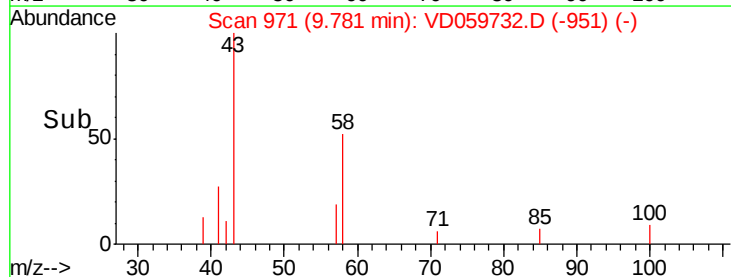
Tgt Ion: 43 Resp: 15105
Ion Ratio Lower Upper
43 100
58 52.2 19.8 59.3

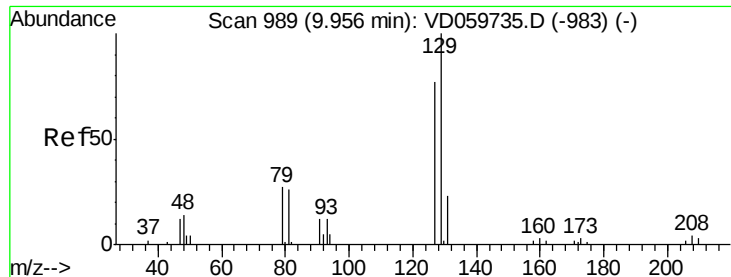


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC



Time--> 9.70 9.75 9.80 9.85





#60

Dibromochloromethane

Concen: 5.12 ug/l

RT: 9.95 min Scan# 988

Delta R.T. -0.01 min

Lab File: VD059732.D

Acq: 10 Aug 2018 16:44

Instrument :

MSVOA_D

ClientSampleId :

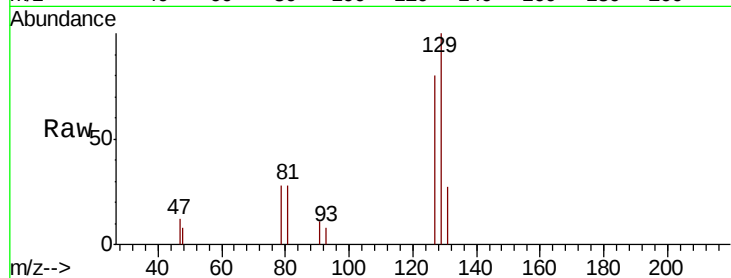
VSTDIC005

Tot Ion:129 Resp: 8061

Ion Ratio Lower Upper

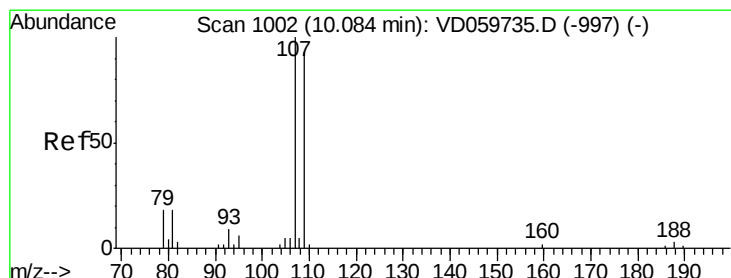
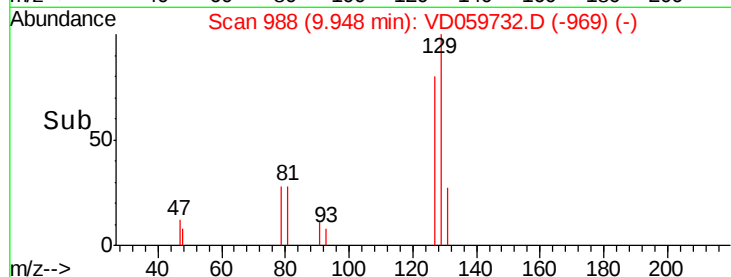
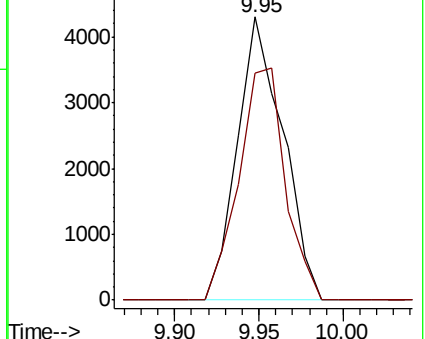
129 100

127 80.4 38.6 115.7



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 4.99 ug/l

RT: 10.09 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VD059732.D

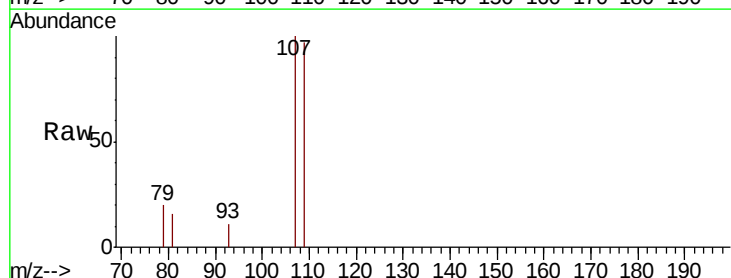
Acq: 10 Aug 2018 16:44

Tgt Ion:107 Resp: 5574

Ion Ratio Lower Upper

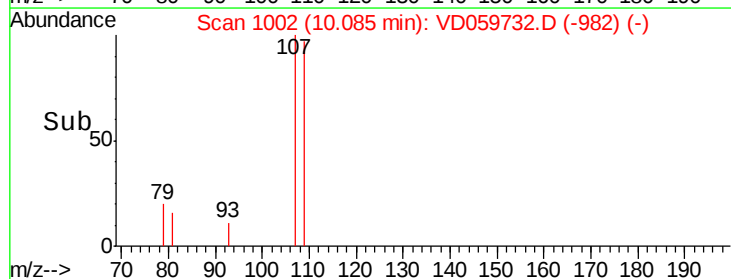
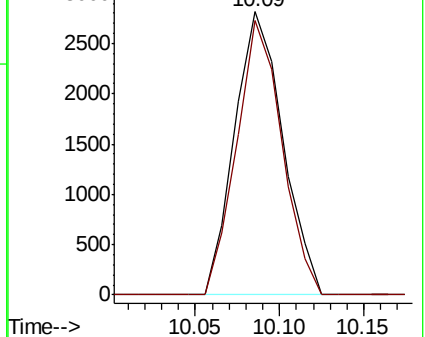
107 100

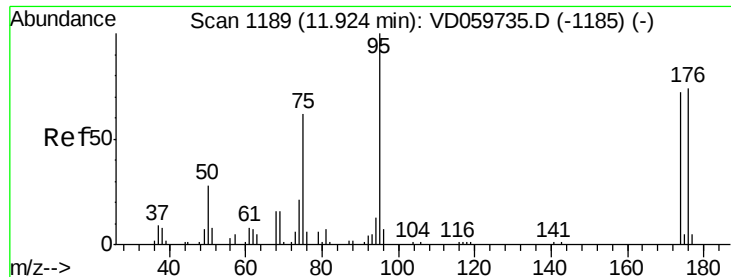
109 96.9 74.3 111.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

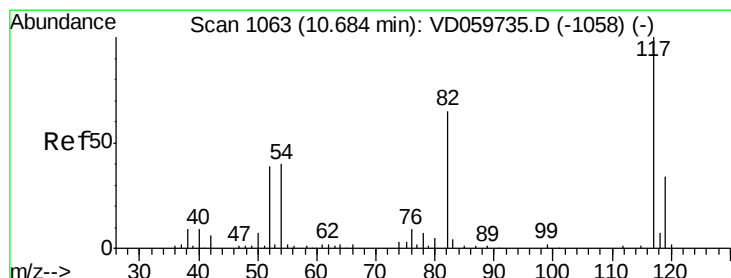
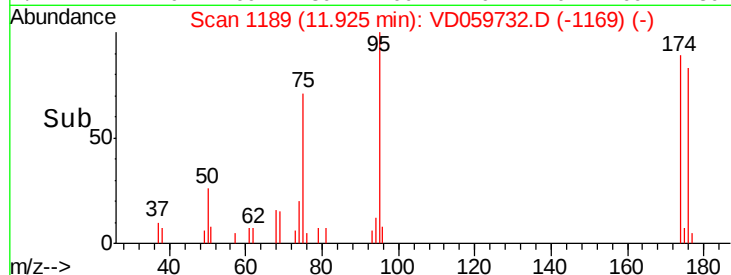
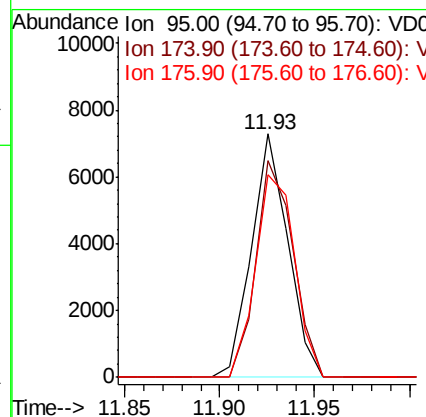
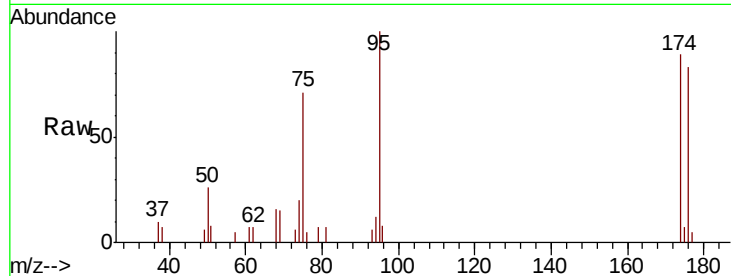




#62
 4-Bromofluorobenzene
 Concen: 4.99 ug/l
 RT: 11.93 min Scan# 1189
 Delta R.T. 0.00 min
 Lab File: VD059732.D
 Acq: 10 Aug 2018 16:44

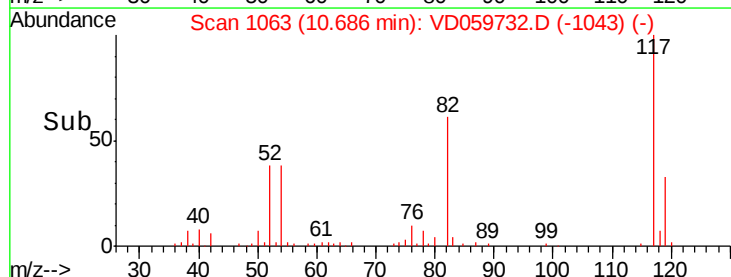
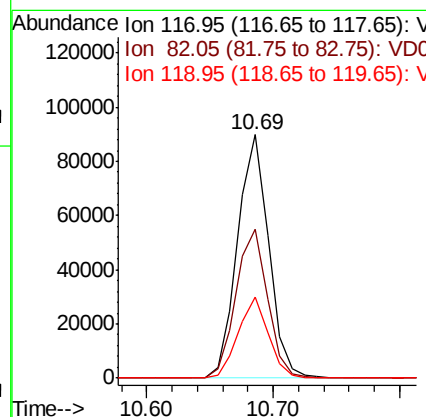
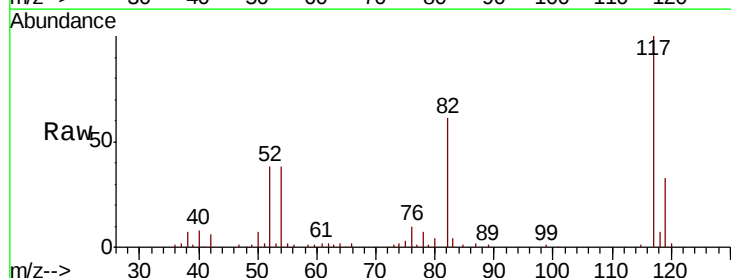
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

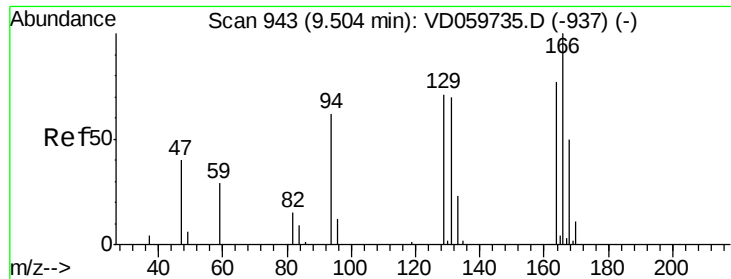
Tot Ion: 95 Resp: 9689
 Ion Ratio Lower Upper
 95 100
 174 88.9 0.0 143.2
 176 83.2 0.0 147.2



#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 10.69 min Scan# 1063
 Delta R.T. 0.00 min
 Lab File: VD059732.D
 Acq: 10 Aug 2018 16:44

Tgt Ion: 117 Resp: 152845
 Ion Ratio Lower Upper
 117 100
 82 61.1 51.9 77.9
 119 33.2 27.4 41.0

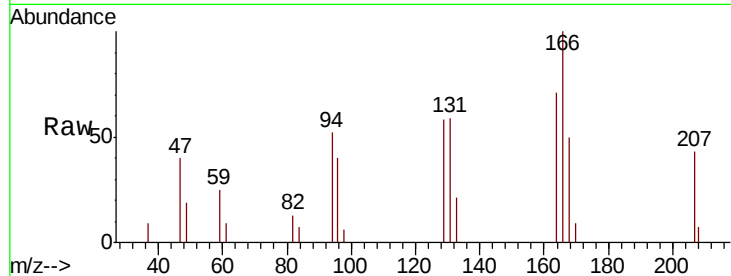




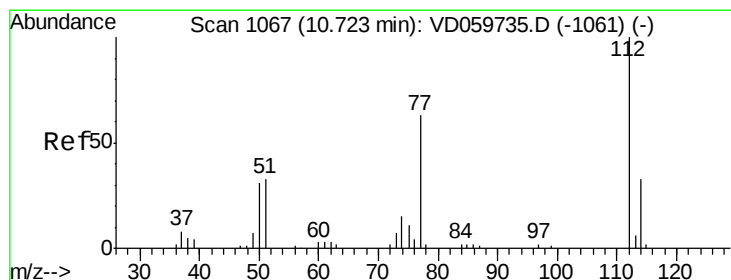
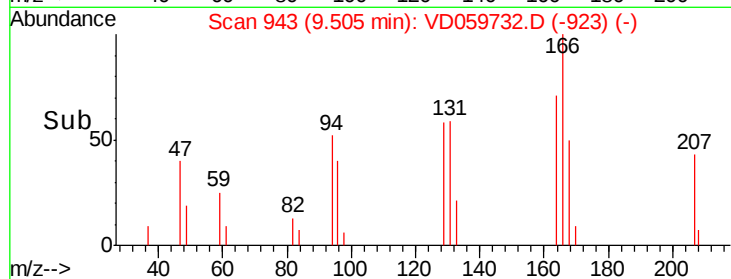
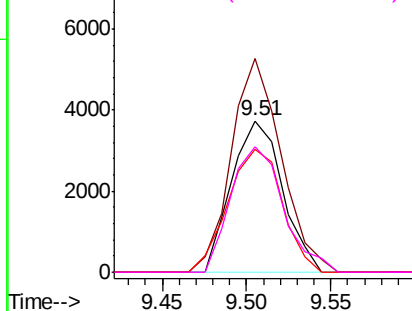
#64
Tetrachloroethene
Concen: 5.38 ug/l
RT: 9.51 min Scan# 943
Delta R.T. 0.00 min
Lab File: VD059732.D
Acq: 10 Aug 2018 16:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:164 Resp: 7815
Ion Ratio Lower Upper
164 100
166 140.8 103.5 155.3
129 81.2 73.5 110.3
131 82.7 72.3 108.5

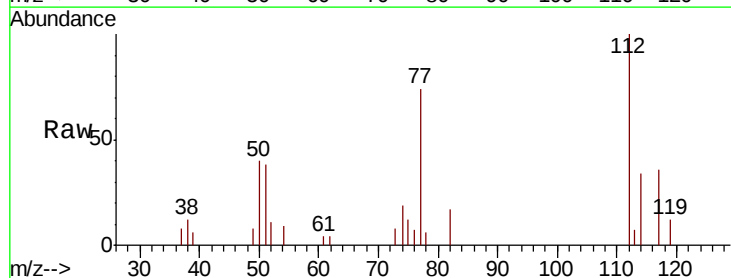


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

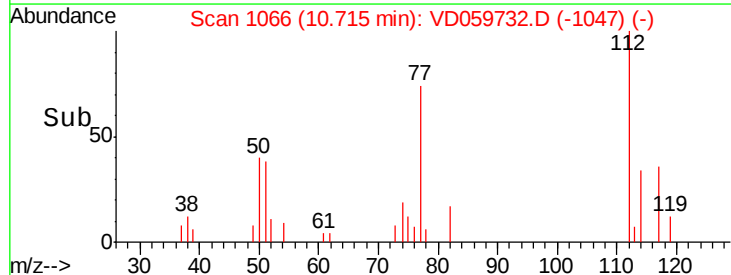
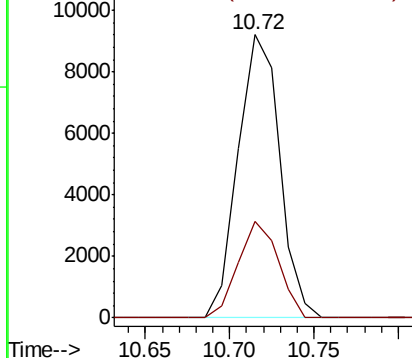


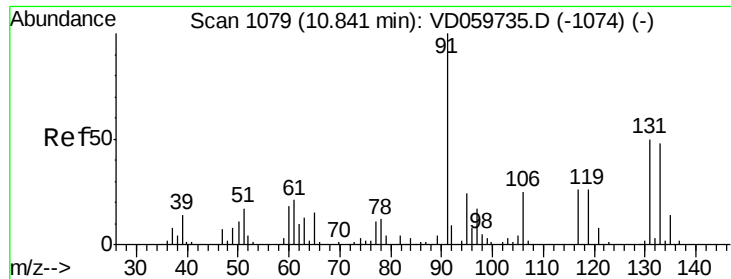
#65
Chlorobenzene
Concen: 4.90 ug/l
RT: 10.72 min Scan# 1066
Delta R.T. -0.01 min
Lab File: VD059732.D
Acq: 10 Aug 2018 16:44

Tgt Ion:112 Resp: 15740
Ion Ratio Lower Upper
112 100
114 34.1 26.4 39.6



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 114.00 (113.70 to 114.70): V





#66

1,1,1,2-Tetrachloroethane

Concen: 5.07 ug/l

RT: 10.84 min Scan# 1079

Delta R.T. 0.00 min

Lab File: VD059732.D

Acq: 10 Aug 2018 16:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

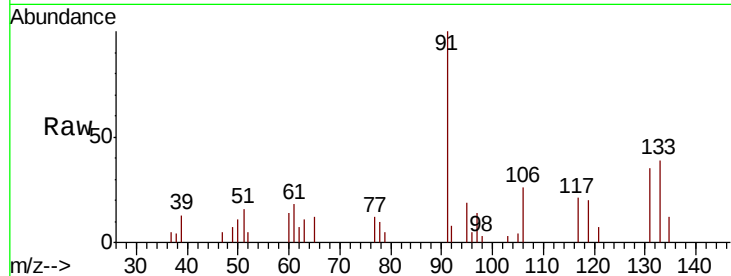
Tot Ion:131 Resp: 7357

Ion Ratio Lower Upper

131 100

133 111.2 48.1 144.3

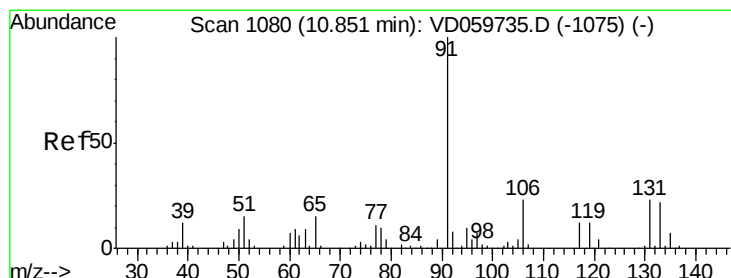
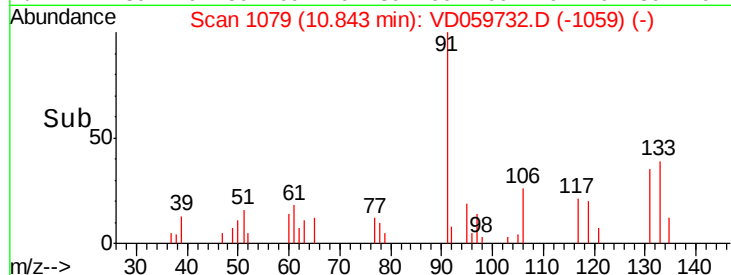
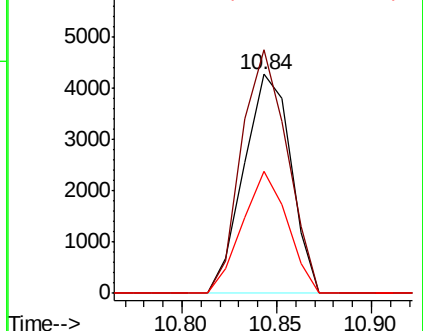
119 55.8 26.2 78.5



Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V



#67

Ethyl Benzene

Concen: 4.94 ug/l

RT: 10.85 min Scan# 1080

Delta R.T. 0.00 min

Lab File: VD059732.D

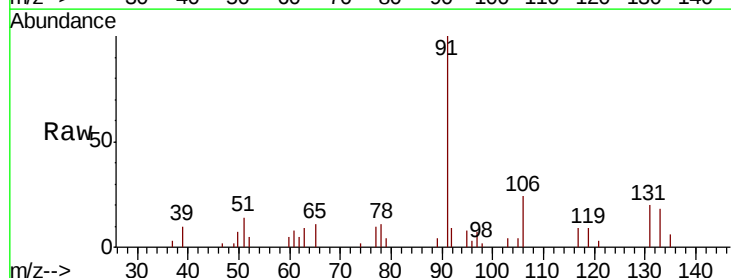
Acq: 10 Aug 2018 16:44

Tgt Ion: 91 Resp: 28749

Ion Ratio Lower Upper

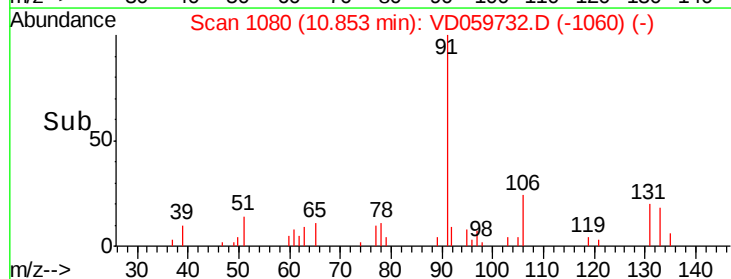
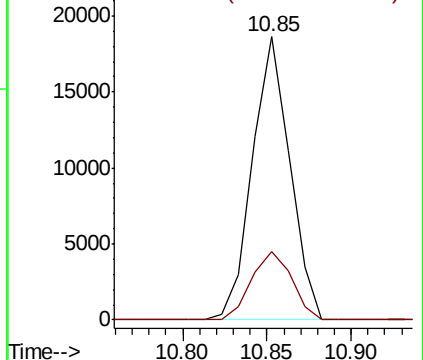
91 100

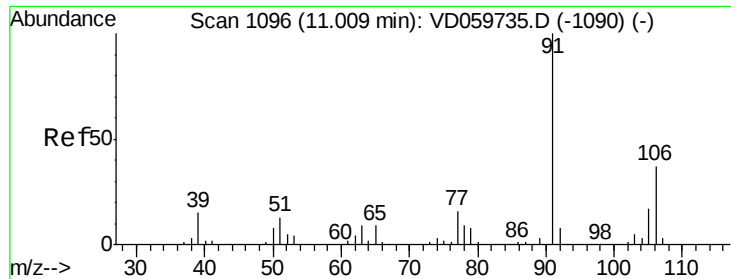
106 24.2 18.8 28.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.05 (105.75 to 106.75): V

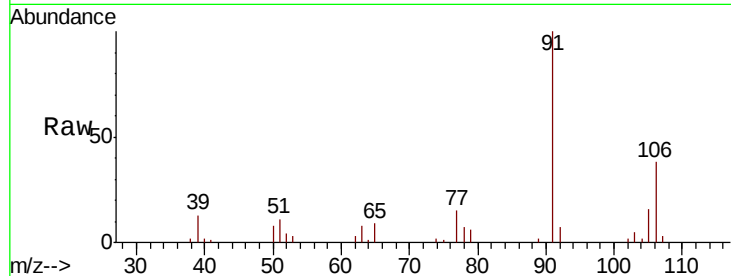




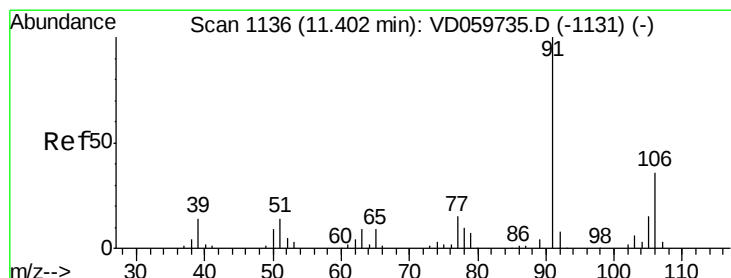
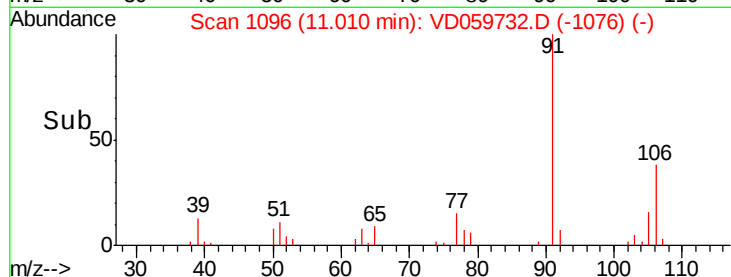
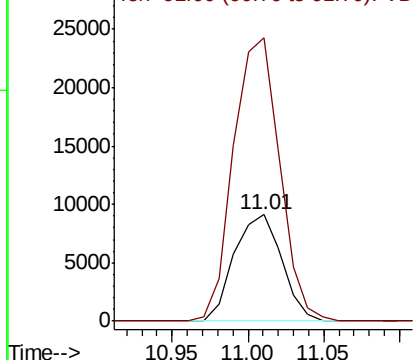
#68
m/p-Xylenes
Concen: 10.81 ug/l
RT: 11.01 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VD059732.D
Acq: 10 Aug 2018 16:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 19932
Ion Ratio Lower Upper
106 100
91 266.5 213.8 320.8

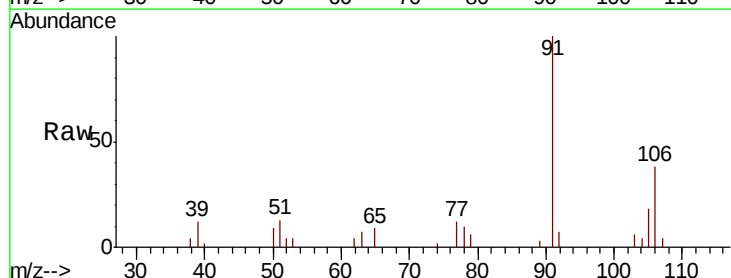


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

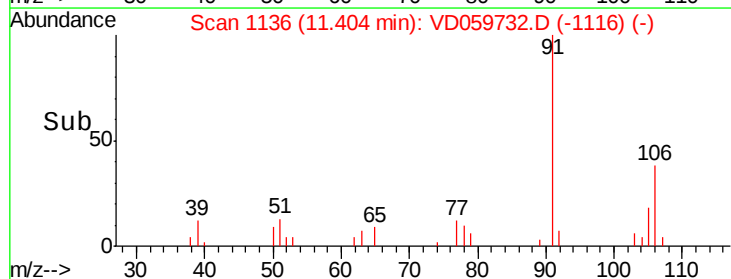
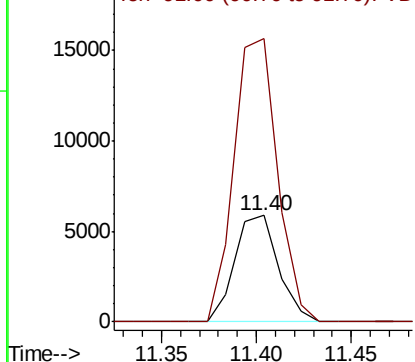


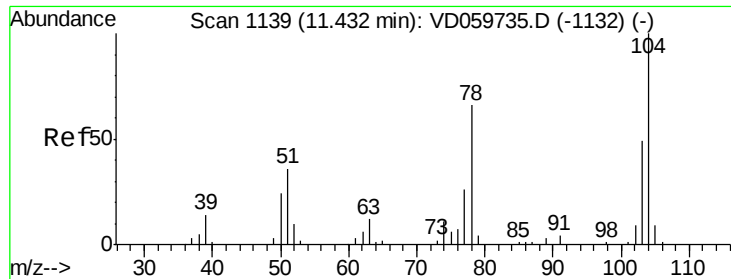
#69
o-Xylene
Concen: 5.22 ug/l
RT: 11.40 min Scan# 1136
Delta R.T. 0.00 min
Lab File: VD059732.D
Acq: 10 Aug 2018 16:44

Tgt Ion:106 Resp: 9409
Ion Ratio Lower Upper
106 100
91 265.5 139.8 419.4



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

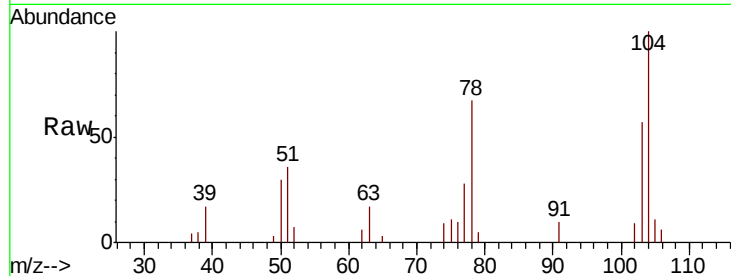




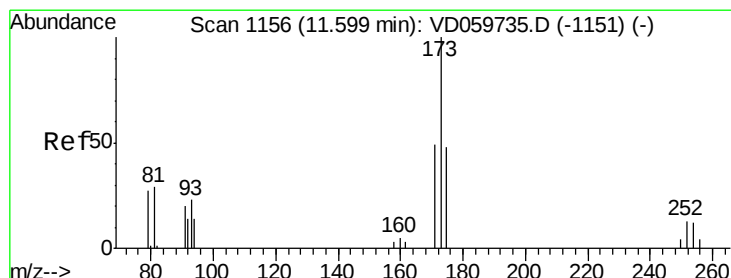
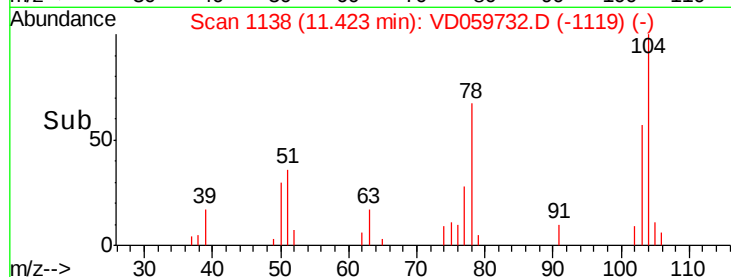
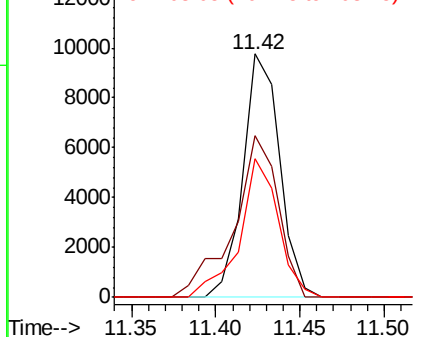
#70
Stvrene
Concen: 4.87 ug/l
RT: 11.42 min Scan# 1138
Delta R.T. -0.01 min
Lab File: VD059732.D
Acq: 10 Aug 2018 16:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:104 Resp: 14679
Ion Ratio Lower Upper
104 100
78 66.6 52.8 79.2
103 56.7 39.1 58.7

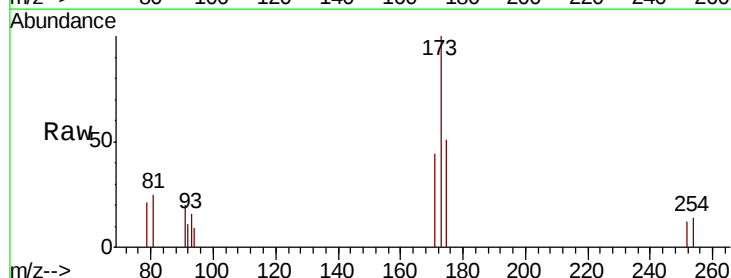


Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V

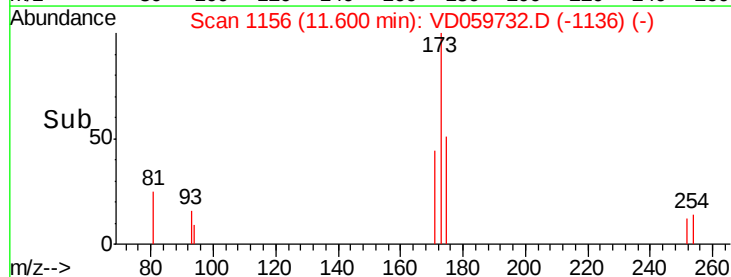
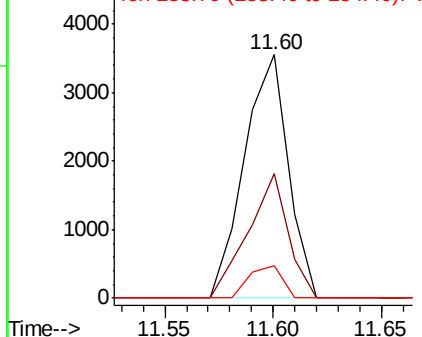


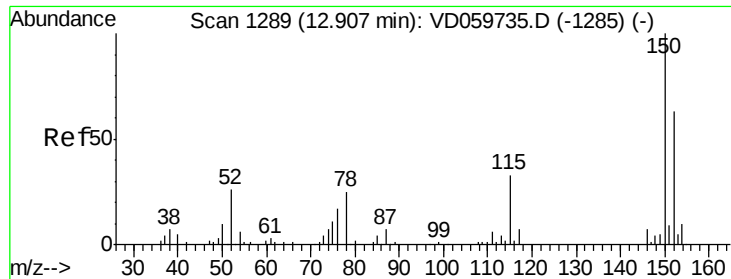
#71
Bromoform
Concen: 4.61 ug/l
RT: 11.60 min Scan# 1156
Delta R.T. 0.00 min
Lab File: VD059732.D
Acq: 10 Aug 2018 16:44

Tgt Ion:173 Resp: 5042
Ion Ratio Lower Upper
173 100
175 51.1 24.1 72.2
254 13.6 9.3 13.9



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: 50.00 ug/l

RT: 12.91 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VD059732.D

Acq: 10 Aug 2018 16:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

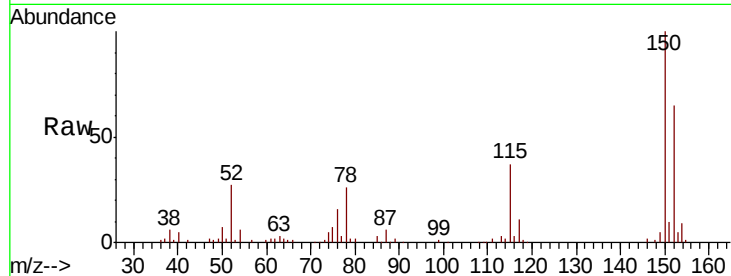
Tot Ion:152 Resp: 84224

Ion Ratio Lower Upper

152 100

115 56.7 29.8 89.3

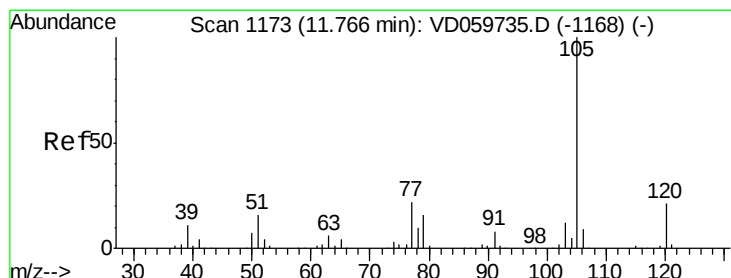
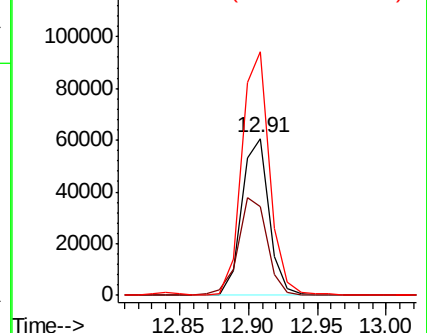
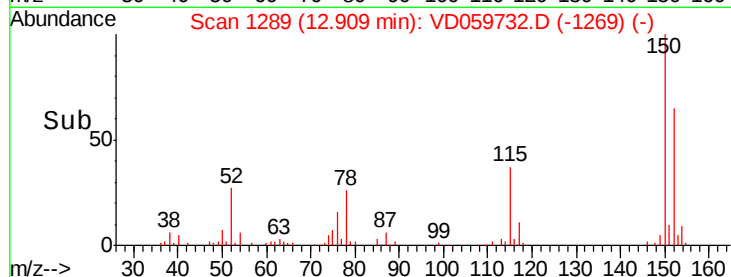
150 154.9 0.0 320.4



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: 5.29 ug/l

RT: 11.77 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VD059732.D

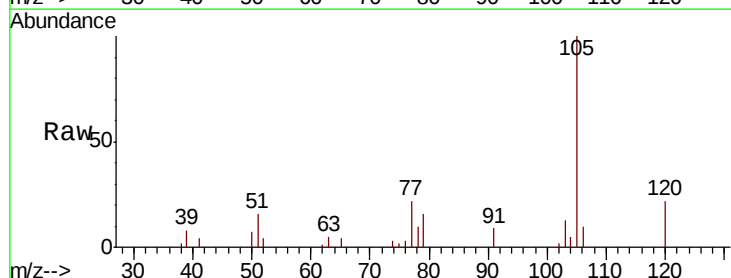
Acq: 10 Aug 2018 16:44

Tgt Ion:105 Resp: 29542

Ion Ratio Lower Upper

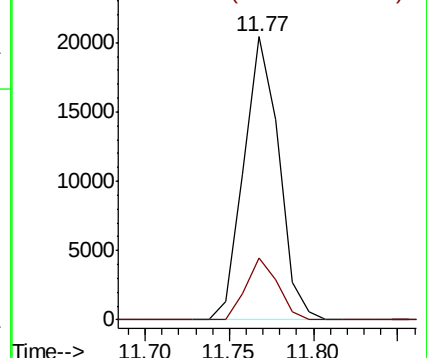
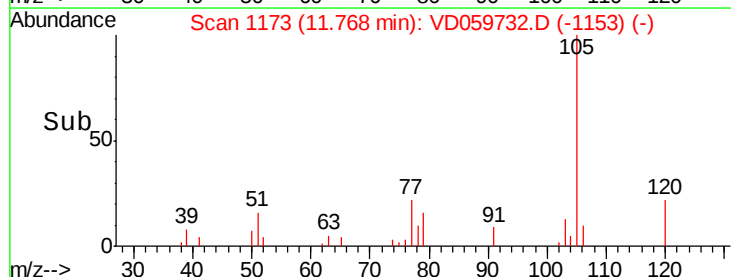
105 100

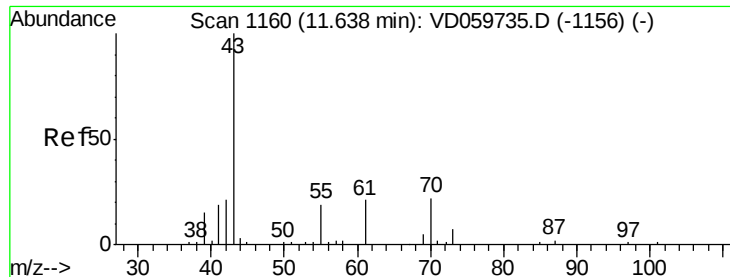
120 21.8 10.3 30.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#74

N-amvl acetate

Concen: 4.46 ug/l

RT: 11.64 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VD059732.D

Acq: 10 Aug 2018 16:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 7861

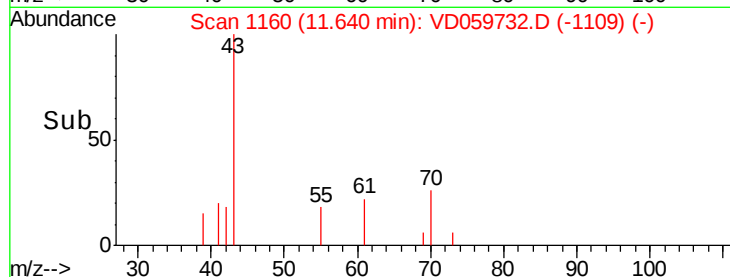
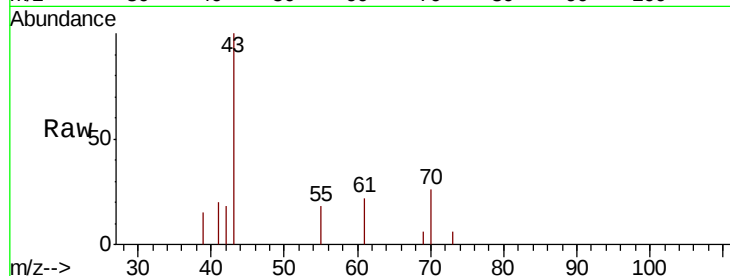
Ion Ratio Lower Upper

43 100

70 26.2 18.0 27.0

55 17.6 14.8 22.2

61 21.7 17.1 25.7

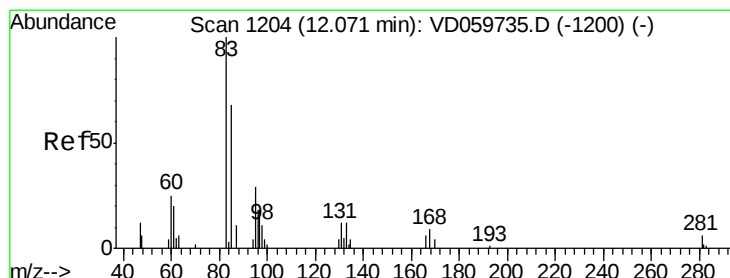
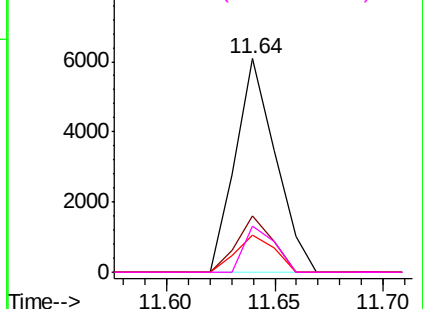


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC



#75

1,1,2,2-Tetrachloroethane

Concen: 5.30 ug/l

RT: 12.07 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VD059732.D

Acq: 10 Aug 2018 16:44

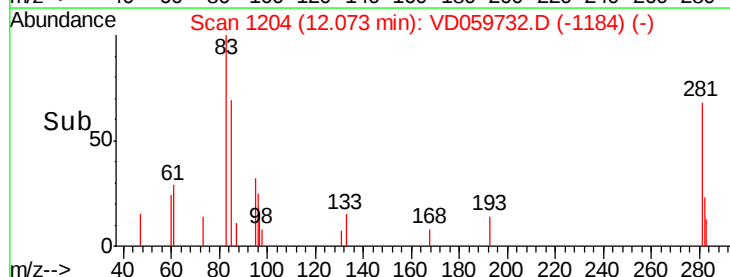
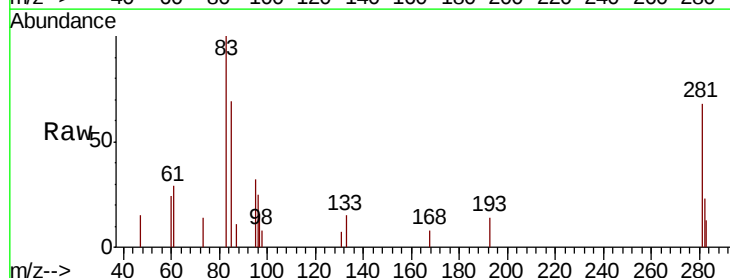
Tgt Ion: 83 Resp: 5900

Ion Ratio Lower Upper

83 100

131 7.4 6.3 19.1

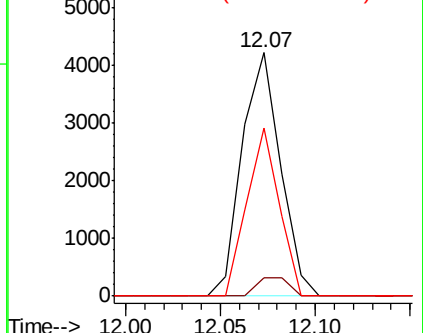
85 69.1 34.2 102.5

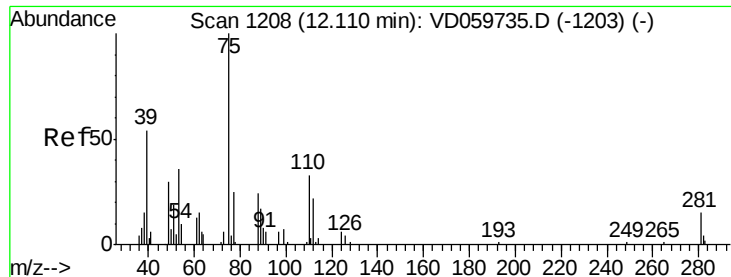


Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): V

Ion 84.95 (84.65 to 85.65): VDC





#76

1,2,3-Trichloropropane

Concen: 4.89 ug/l

RT: 12.10 min Scan# 1207

Delta R.T. -0.01 min

Lab File: VD059732.D

Acq: 10 Aug 2018 16:44

Instrument :

MSVOA_D

ClientSampleID :

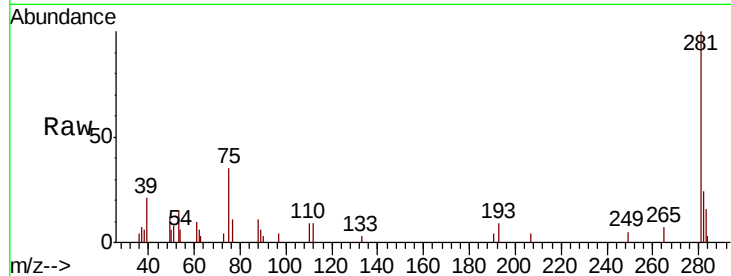
VSTDIC005

Tot Ion: 75 Resp: 6330

Ion Ratio Lower Upper

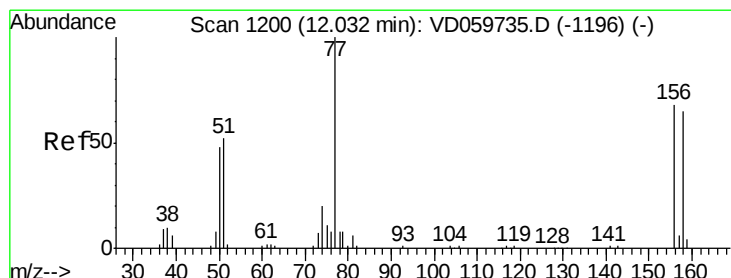
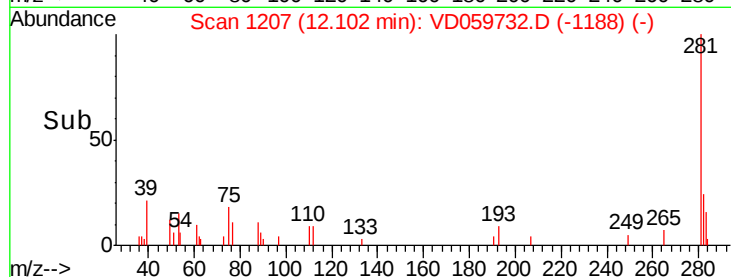
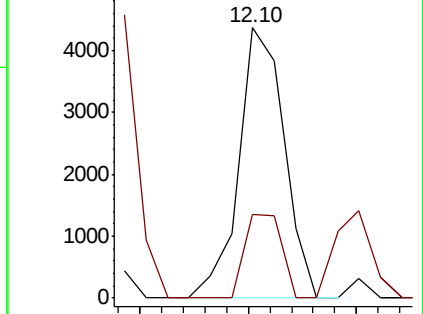
75 100

77 30.8 16.0 48.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#77

Bromobenzene

Concen: 5.24 ug/l

RT: 12.03 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD059732.D

Acq: 10 Aug 2018 16:44

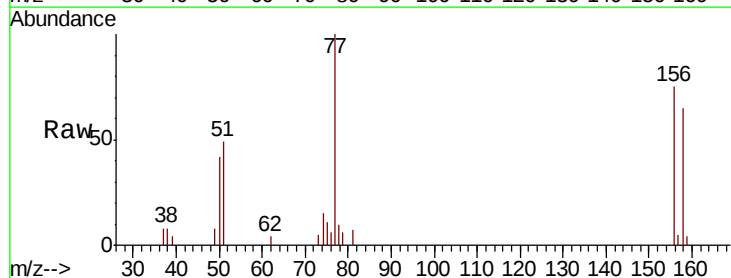
Tgt Ion: 156 Resp: 8558

Ion Ratio Lower Upper

156 100

77 133.5 73.3 219.8

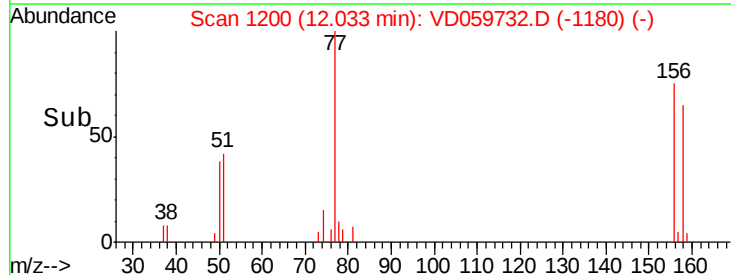
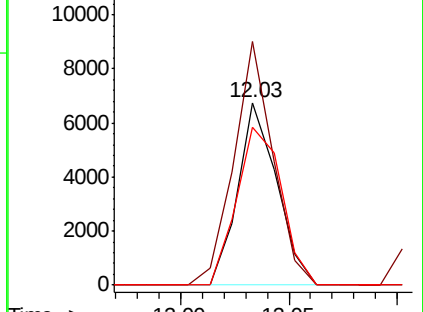
158 86.3 47.5 142.5

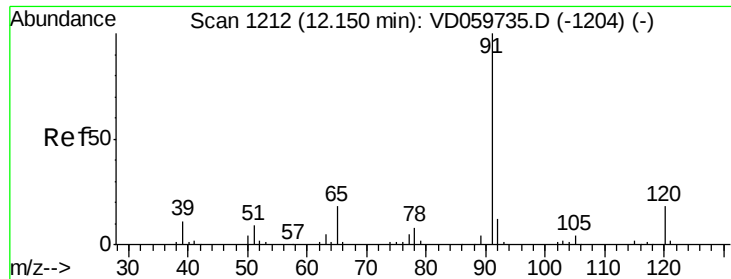


Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V





#78

n-propylbenzene

Concen: 5.22 ug/l

RT: 12.15 min Scan# 1212

Delta R.T. 0.00 min

Lab File: VD059732.D

Acq: 10 Aug 2018 16:44

Instrument :

MSVOA_D

ClientSampleId :

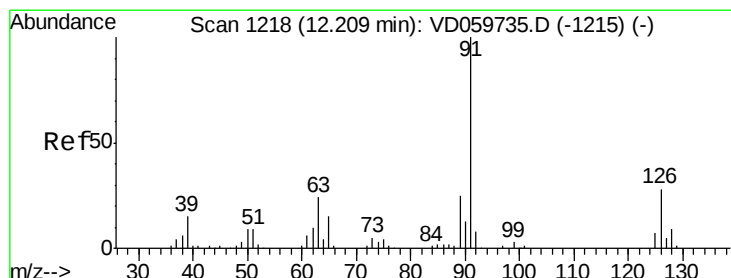
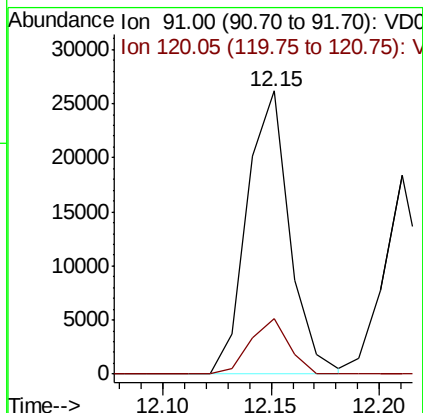
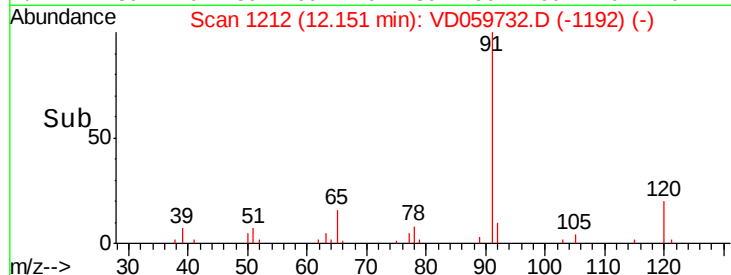
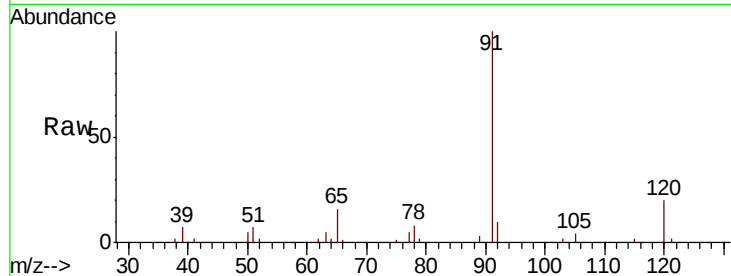
VSTDIC005

Tot Ion: 91 Resp: 36079

Ion Ratio Lower Upper

91 100

120 19.7 8.9 26.7



#79

2-Chlorotoluene

Concen: 5.46 ug/l

RT: 12.21 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VD059732.D

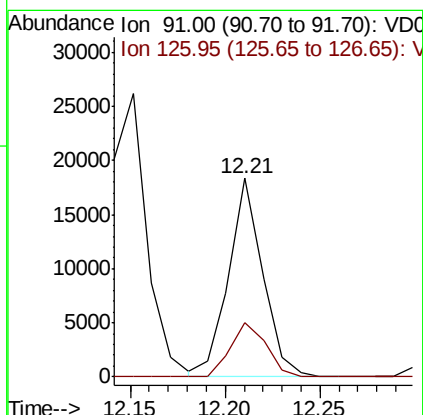
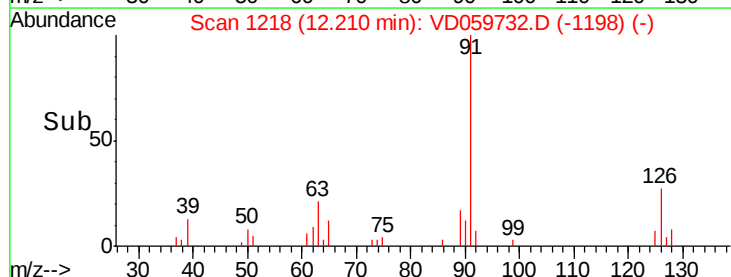
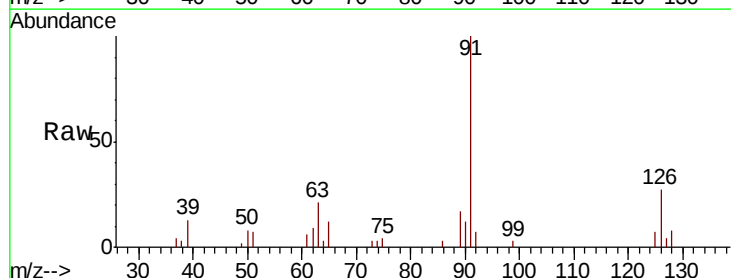
Acq: 10 Aug 2018 16:44

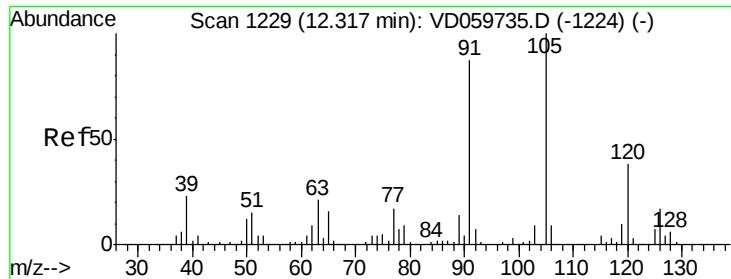
Tgt Ion: 91 Resp: 22900

Ion Ratio Lower Upper

91 100

126 27.2 13.3 39.9

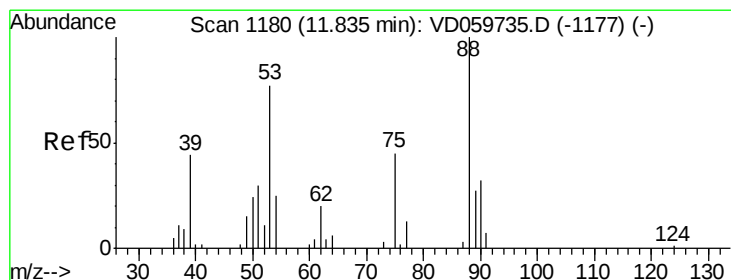
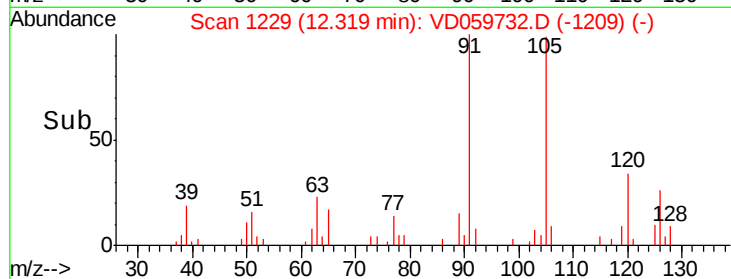
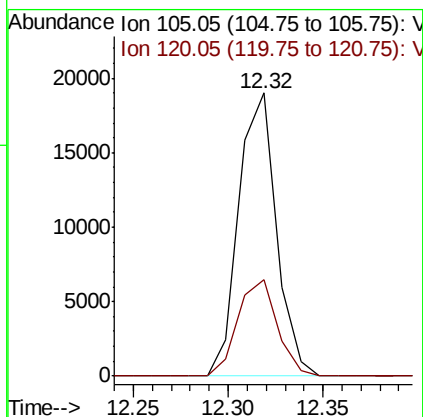
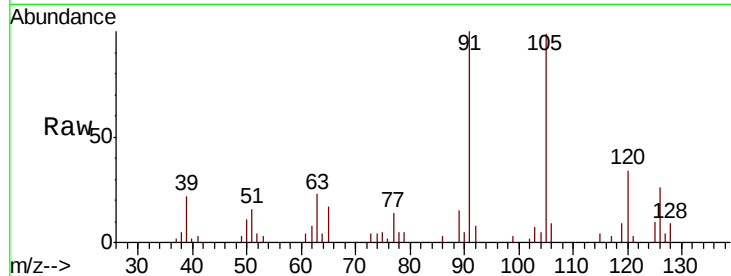




#80
 1,3,5-Trimethylbenzene
 Concen: 5.59 ug/l
 RT: 12.32 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VD059732.D
 Acq: 10 Aug 2018 16:44

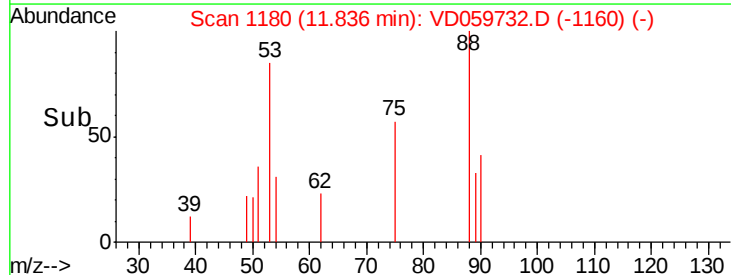
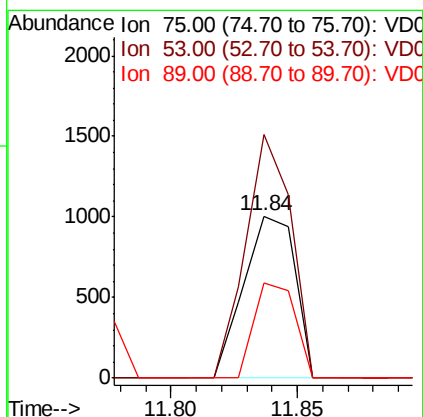
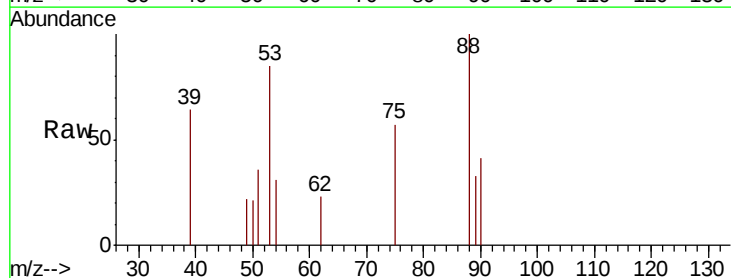
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

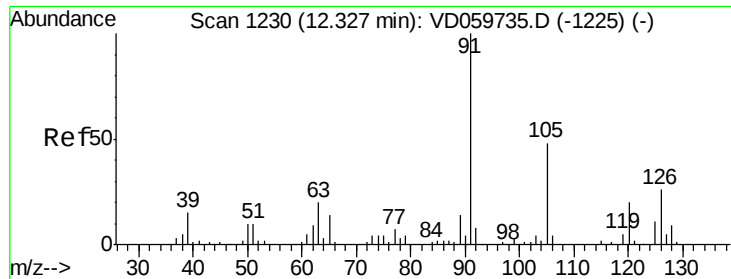
Tot Ion:105 Resp: 26122
 Ion Ratio Lower Upper
 105 100
 120 34.2 19.2 57.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 4.67 ug/l
 RT: 11.84 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD059732.D
 Acq: 10 Aug 2018 16:44

Tgt Ion: 75 Resp: 1425
 Ion Ratio Lower Upper
 75 100
 53 150.3 137.5 206.3
 89 58.7 48.3 72.5

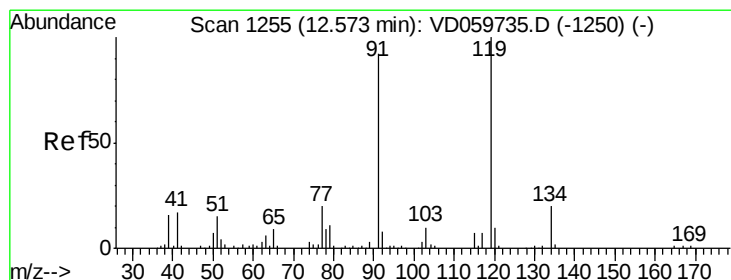
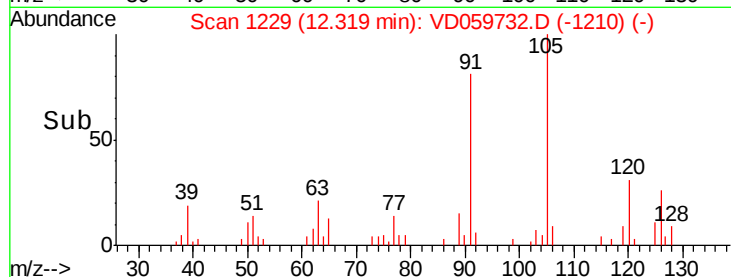
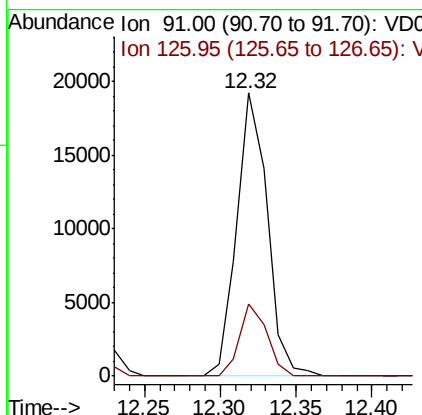
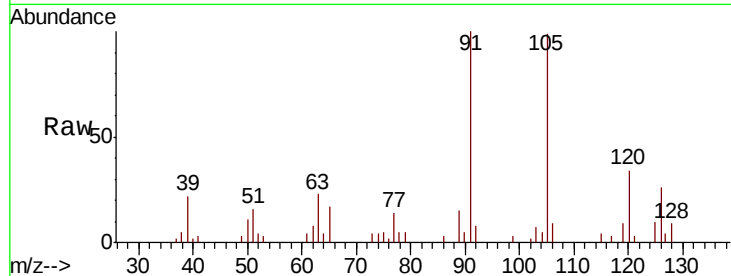




#82
4-Chlorotoluene
Concen: 5.48 ug/l
RT: 12.32 min Scan# 1229
Delta R.T. -0.01 min
Lab File: VD059732.D
Acq: 10 Aug 2018 16:44

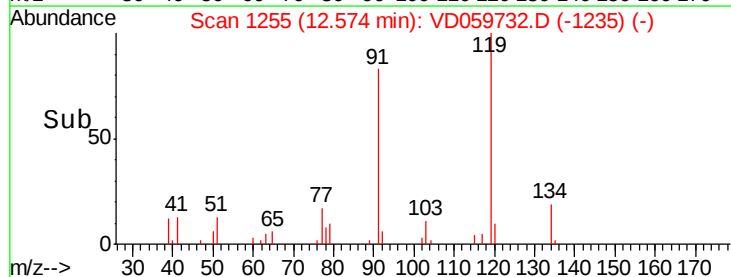
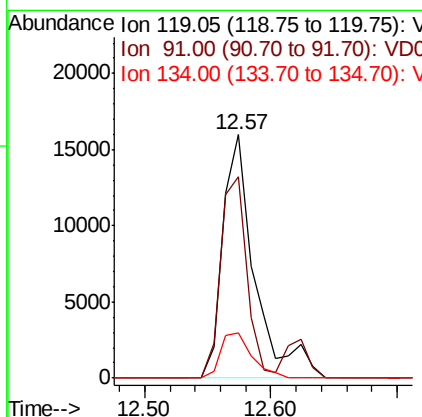
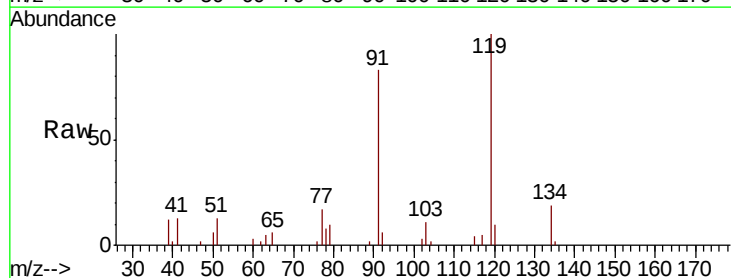
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

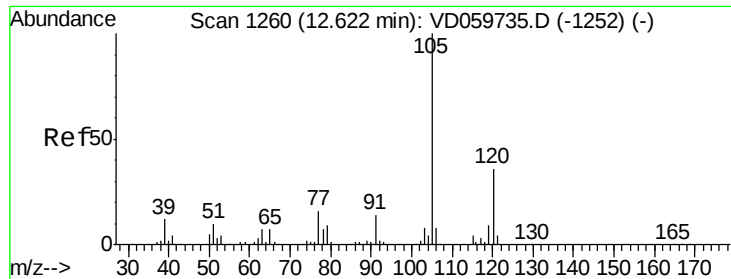
Tot Ion: 91 Resp: 26964
Ion Ratio Lower Upper
91 100
126 25.6 12.8 38.3



#83
tert-Butylbenzene
Concen: 5.37 ug/l
RT: 12.57 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VD059732.D
Acq: 10 Aug 2018 16:44

Tgt Ion: 119 Resp: 27909
Ion Ratio Lower Upper
119 100
91 82.8 46.1 138.2
134 18.7 9.9 29.7

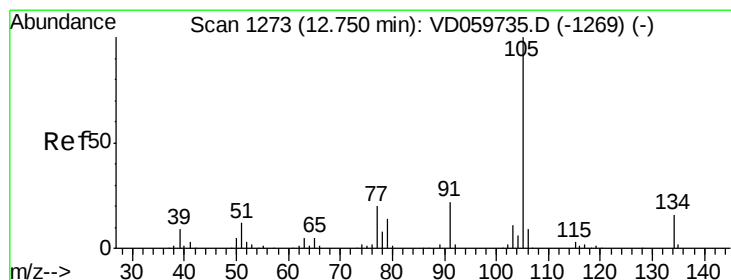
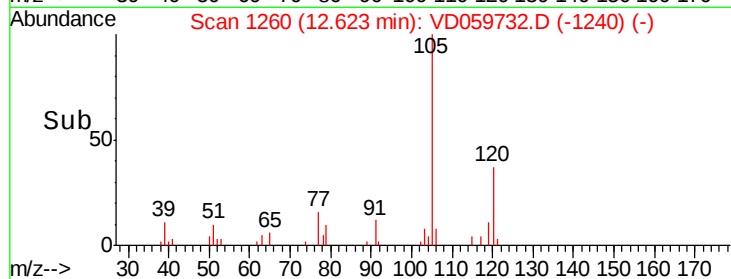
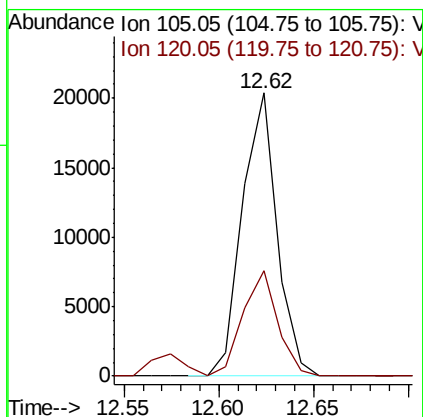
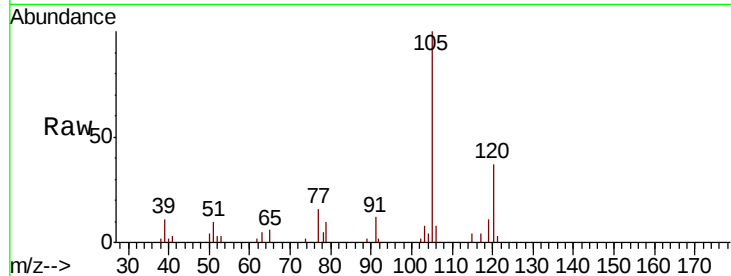




#84
 1,2,4-Trimethylbenzene
 Concen: 5.18 ug/l
 RT: 12.62 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VD059732.D
 Acq: 10 Aug 2018 16:44

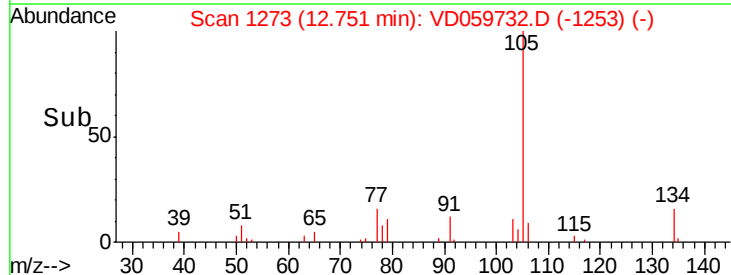
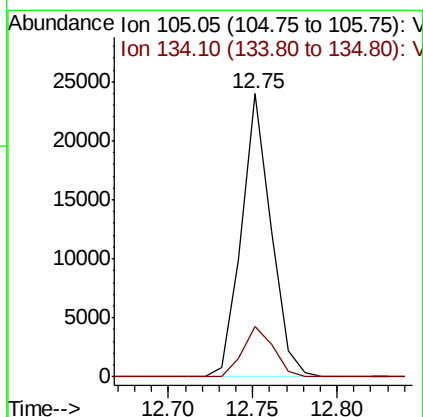
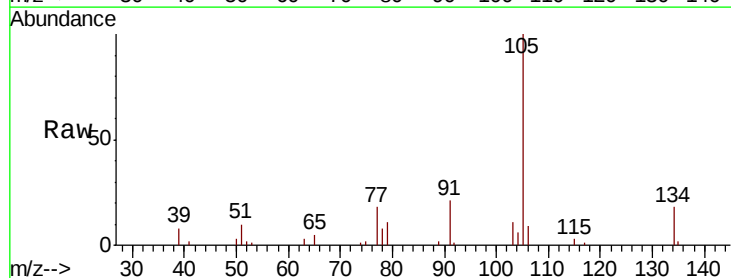
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

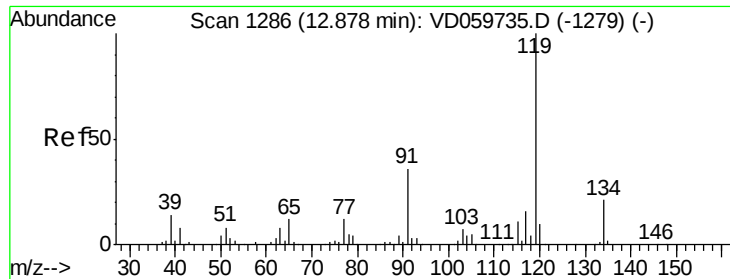
Tot Ion:105 Resp: 25733
 Ion Ratio Lower Upper
 105 100
 120 37.2 17.9 53.7



#85
 sec-Butylbenzene
 Concen: 5.05 ug/l
 RT: 12.75 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: VD059732.D
 Acq: 10 Aug 2018 16:44

Tgt Ion:105 Resp: 29221
 Ion Ratio Lower Upper
 105 100
 134 17.9 7.8 23.4

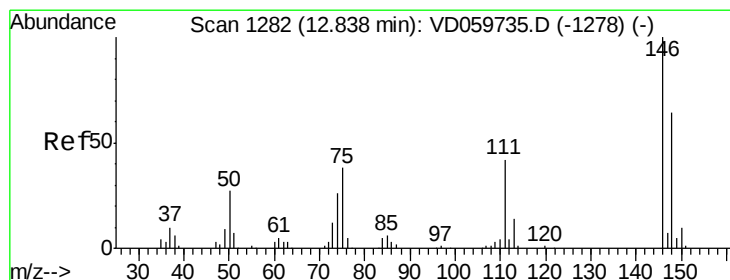
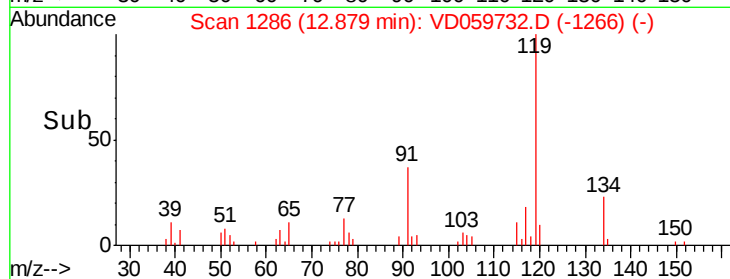
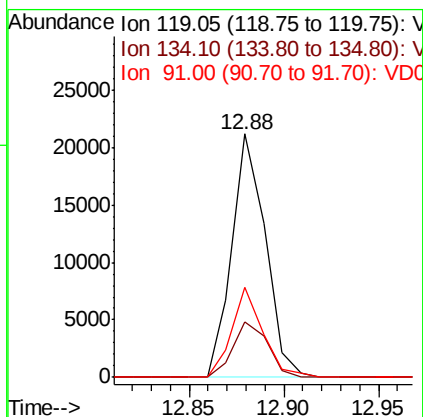
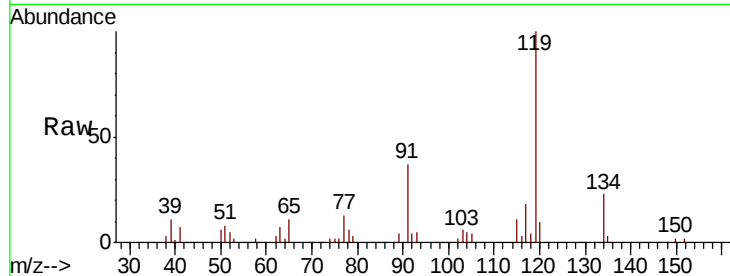




#86
 p-Isopropyltoluene
 Concen: 5.25 ug/l
 RT: 12.88 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VD059732.D
 Acq: 10 Aug 2018 16:44

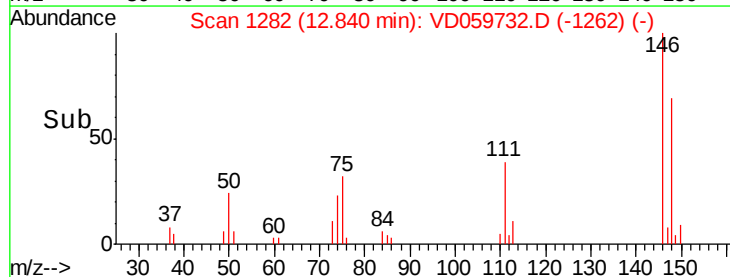
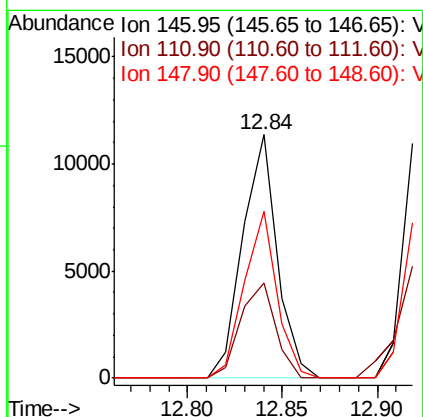
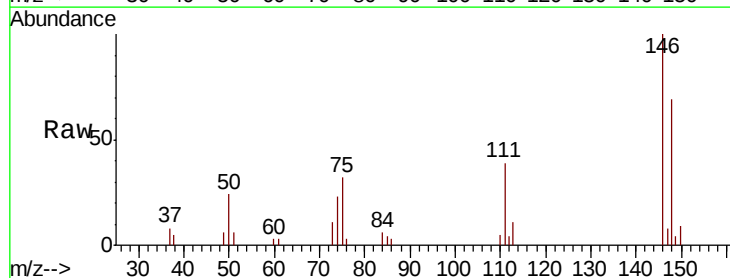
Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC005

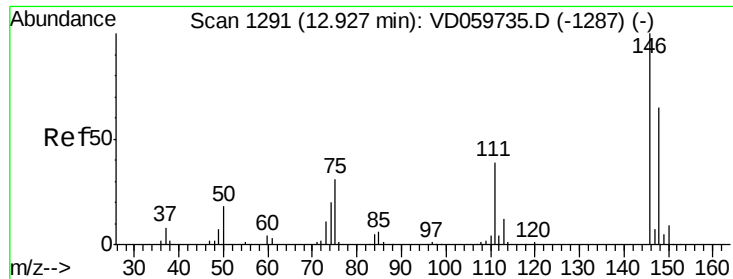
Tot Ion	Ratio	Lower	Upper
119	100		
134	22.8	10.5	31.6
91	37.2	17.9	53.7



#87
 1,3-Dichlorobenzene
 Concen: 5.06 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VD059732.D
 Acq: 10 Aug 2018 16:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	21.1	63.3
148	68.6	32.2	96.6





#88

1,4-Dichlorobenzene

Concen: 5.33 ug/l

RT: 12.92 min Scan# 1290

Delta R.T. -0.01 min

Lab File: VD059732.D

Acq: 10 Aug 2018 16:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

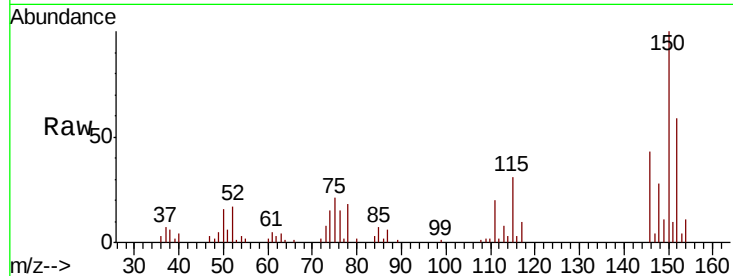
Tot Ion:146 Resp: 14916

Ion Ratio Lower Upper

146 100

111 48.0 19.7 59.0

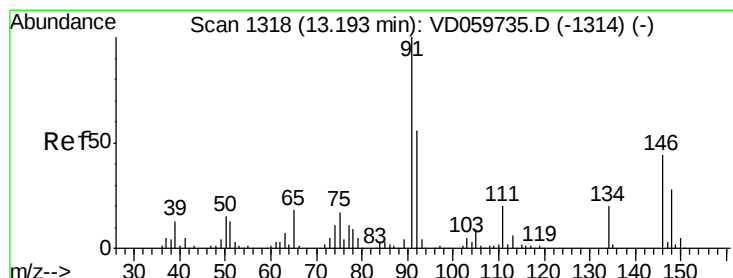
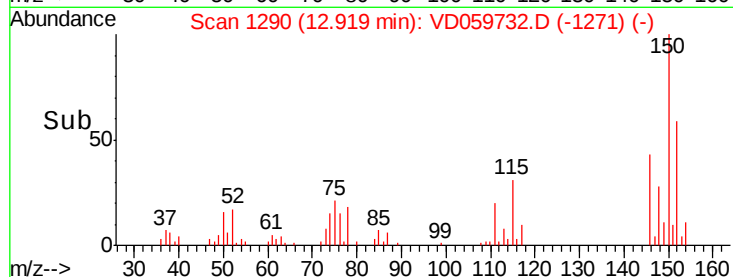
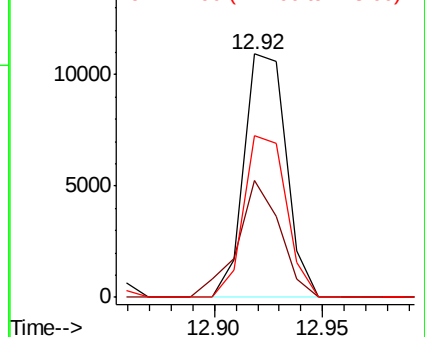
148 66.5 32.4 97.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 5.50 ug/l

RT: 13.19 min Scan# 1318

Delta R.T. 0.00 min

Lab File: VD059732.D

Acq: 10 Aug 2018 16:44

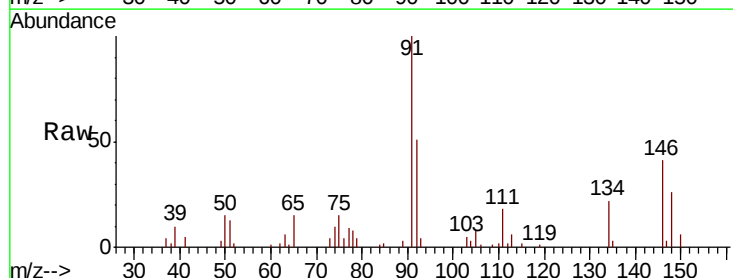
Tgt Ion: 91 Resp: 27357

Ion Ratio Lower Upper

91 100

92 51.1 28.1 84.4

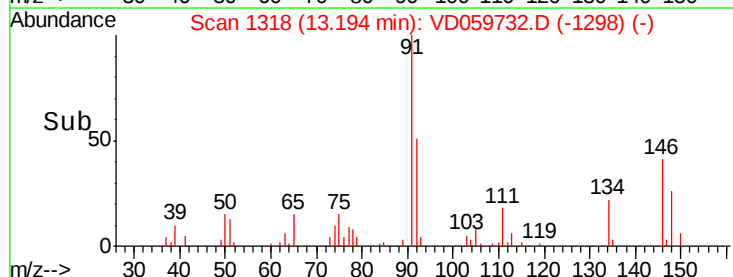
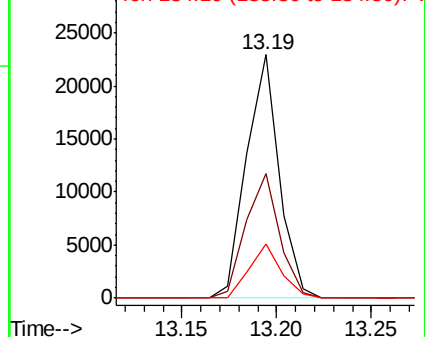
134 22.0 10.3 30.8

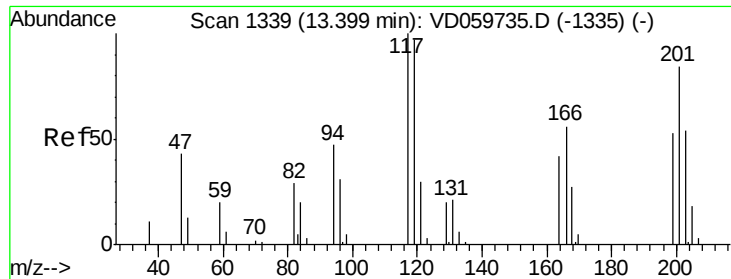


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V





#90

Hexachloroethane

Concen: 4.61 ug/l

RT: 13.40 min Scan# 1339

Delta R.T. 0.00 min

Lab File: VD059732.D

Acq: 10 Aug 2018 16:44

Instrument :

MSVOA_D

ClientSampleId :

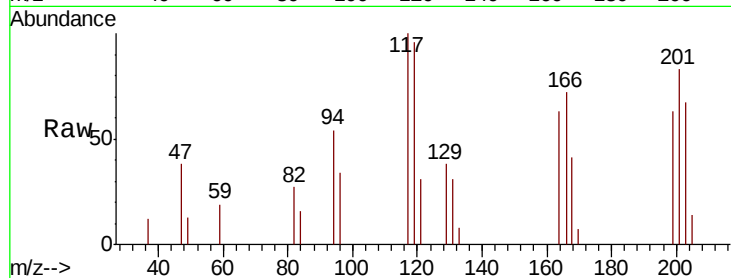
VSTDIC005

Tot Ion:117 Resp: 5942

Ion Ratio Lower Upper

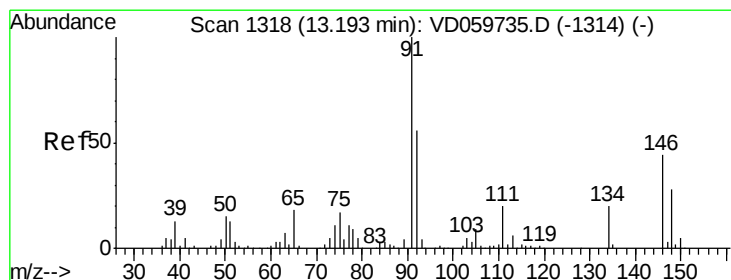
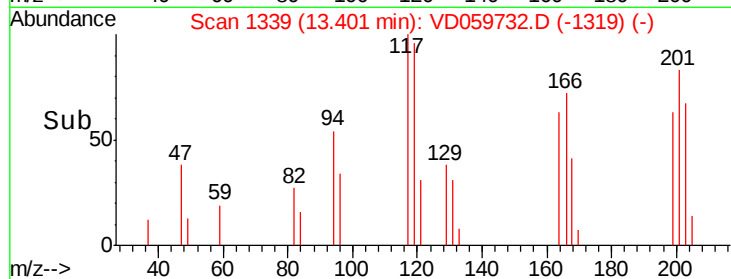
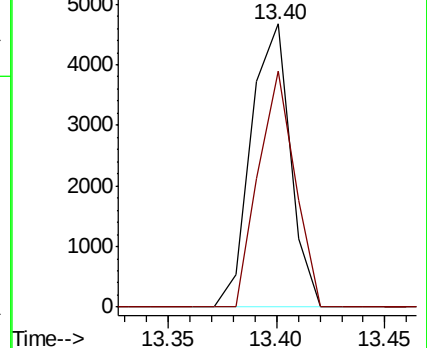
117 100

201 83.2 41.9 125.7



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V



#91

1,2-Dichlorobenzene

Concen: 5.44 ug/l

RT: 13.19 min Scan# 1318

Delta R.T. 0.00 min

Lab File: VD059732.D

Acq: 10 Aug 2018 16:44

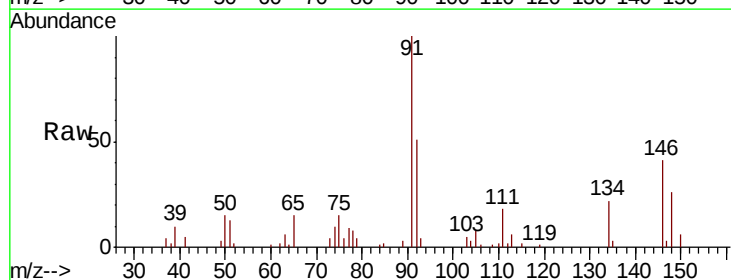
Tgt Ion:146 Resp: 12906

Ion Ratio Lower Upper

146 100

111 43.6 22.9 68.5

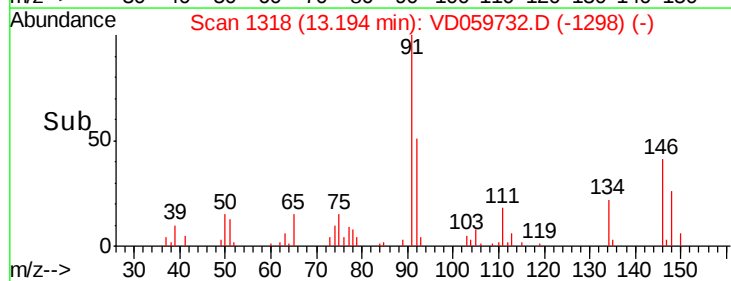
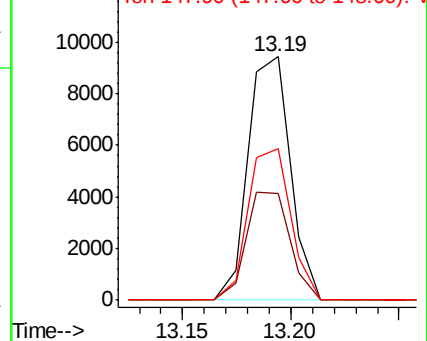
148 62.4 31.8 95.4

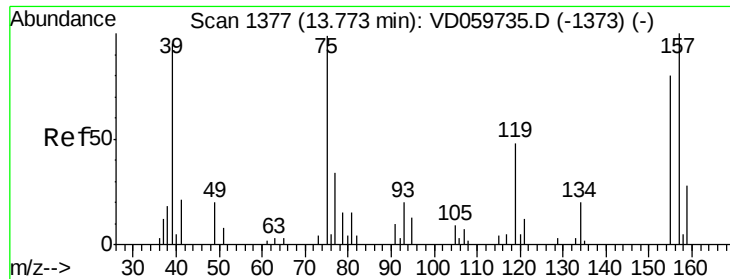


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

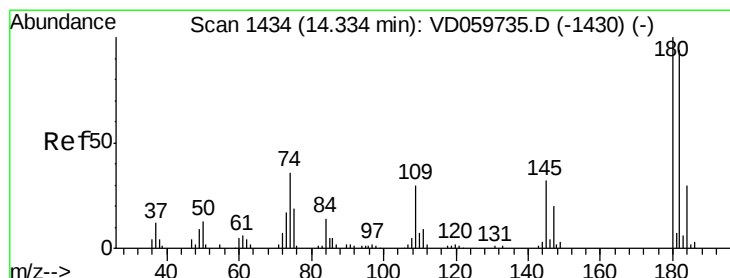
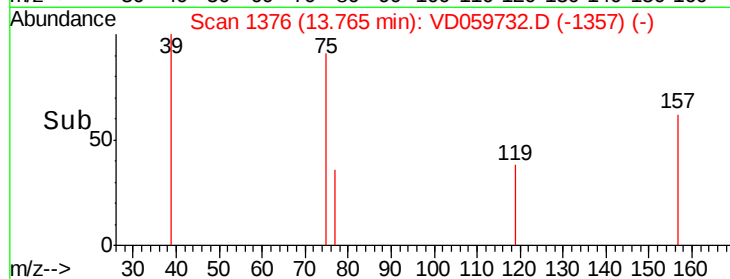
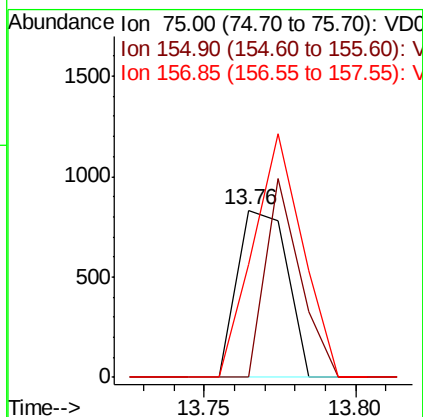
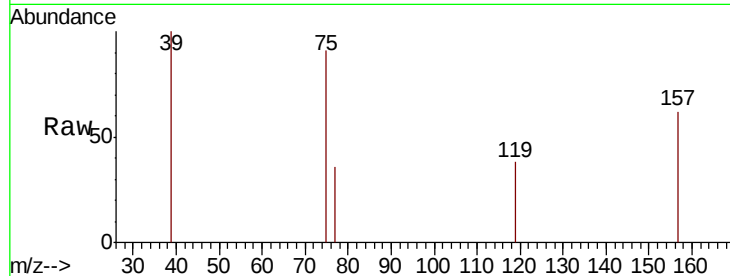




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.03 ug/l
 RT: 13.76 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VD059732.D
 Acq: 10 Aug 2018 16:44

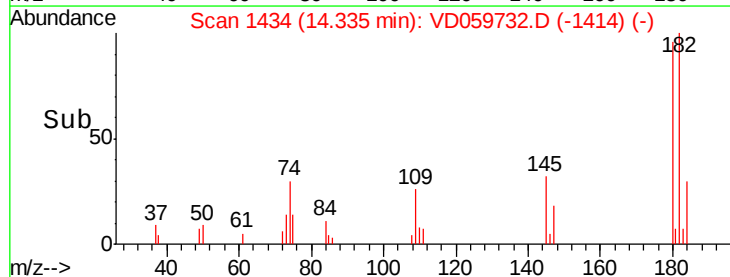
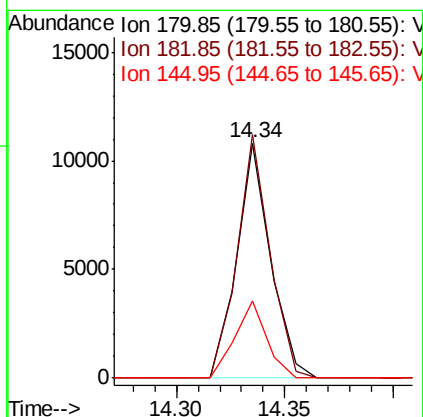
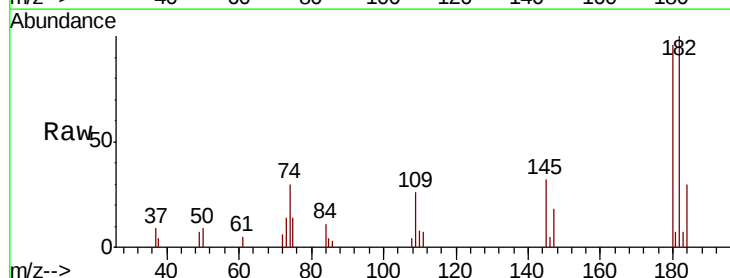
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

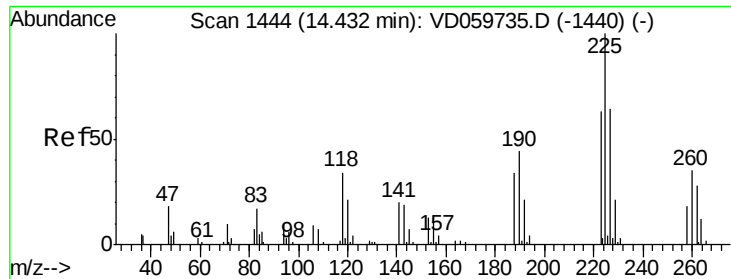
Tot Ion: 75 Resp: 953
 Ion Ratio Lower Upper
 75 100
 155 0.0 40.4 121.1#
 157 67.9 50.5 151.6



#93
 1,2,4-Trichlorobenzene
 Concen: 5.43 ug/l
 RT: 14.34 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VD059732.D
 Acq: 10 Aug 2018 16:44

Tgt Ion: 180 Resp: 11751
 Ion Ratio Lower Upper
 180 100
 182 103.7 47.1 141.4
 145 32.8 15.8 47.3





#94

Hexachlorobutadiene

Concen: 6.11 ug/l

RT: 14.43 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VD059732.D

Acq: 10 Aug 2018 16:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

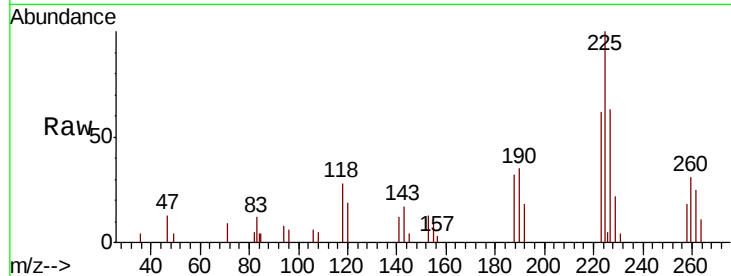
Tot Ion:225 Resp: 10307

Ion Ratio Lower Upper

225 100

223 62.2 31.5 94.5

227 62.9 32.1 96.3

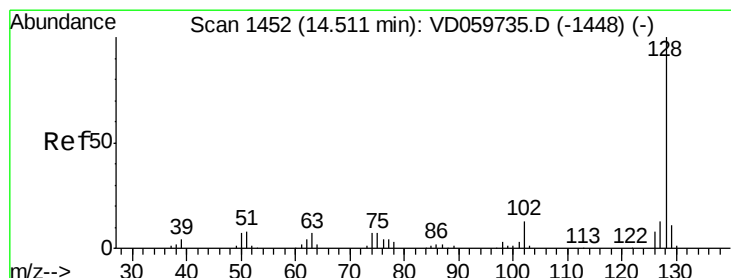
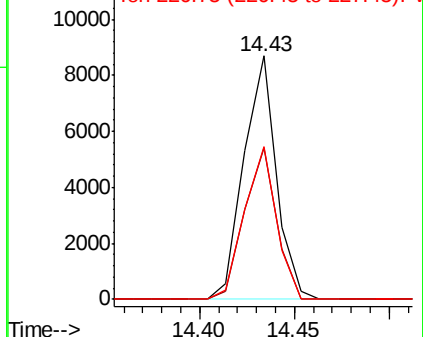
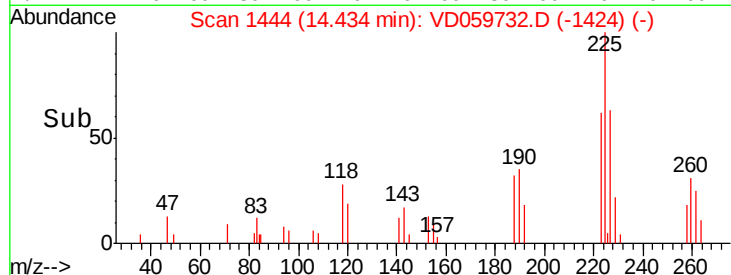


Abundance

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: 5.04 ug/l

RT: 14.51 min Scan# 1452

Delta R.T. 0.00 min

Lab File: VD059732.D

Acq: 10 Aug 2018 16:44

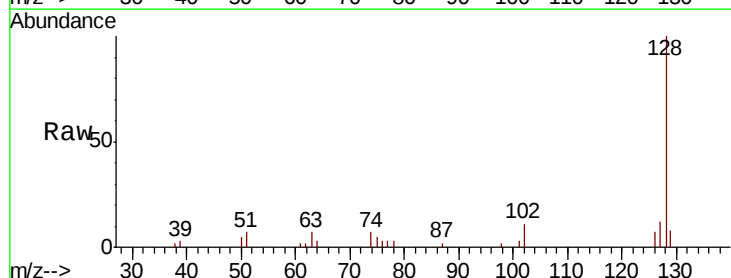
Tgt Ion:128 Resp: 15877

Ion Ratio Lower Upper

128 100

127 12.2 10.4 15.6

129 8.2 8.9 13.3#

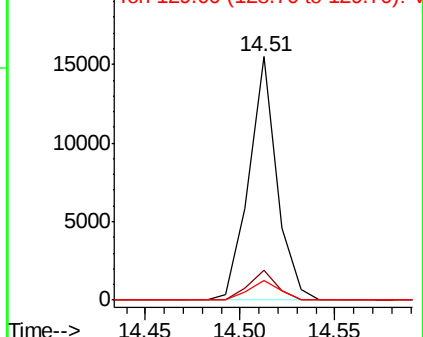
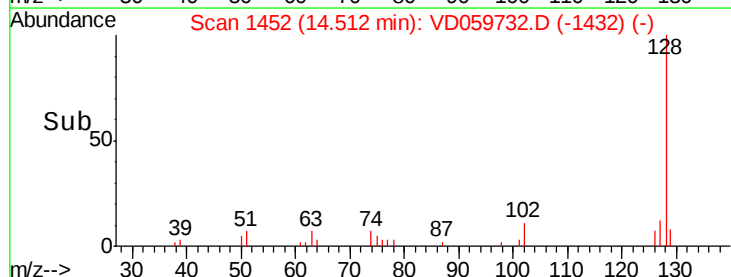


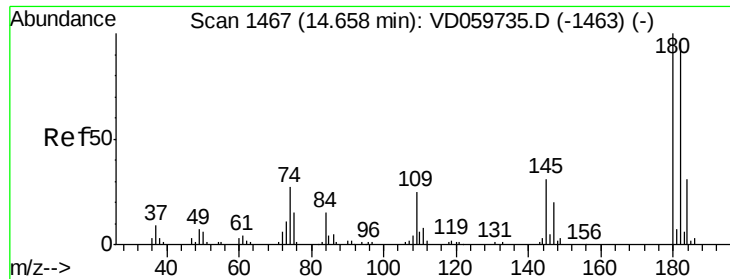
Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 5.43 ug/l
 RT: 14.66 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VD059732.D
 Acq: 10 Aug 2018 16:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion:180	Resp:	10123
Ion	Ratio	Lower Upper
180	100	
182	105.2	48.1 144.4
145	34.4	15.4 46.4

