

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD011819\
 Data File : VD060756.D
 Acq On : 18 Jan 2019 11:54
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Quant Time: Jan 19 03:22:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D011819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 17 12:34:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.79	168	1370570	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	7.97	114	1990594	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.16	117	1560411	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.31	152	768293	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.21	65	322783	34.08	ug/l	0.01
Spiked Amount	50.000		Recovery	=	68.16%	
35) Dibromofluoromethane	6.67	113	335392	23.02	ug/l	0.01
Spiked Amount	50.000		Recovery	=	46.04%	
50) Toluene-d8	10.18	98	874753	20.12	ug/l	0.01
Spiked Amount	50.000		Recovery	=	40.24%	
62) 4-Bromofluorobenzene	13.35	95	387598	25.46	ug/l	0.01
Spiked Amount	50.000		Recovery	=	50.92%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.58	85	233680	13.344	ug/l	94
3) Chloromethane	1.76	50	173338	10.755	ug/l	94
4) Vinyl Chloride	1.84	62	171908	13.435	ug/l	97
5) Bromomethane	2.13	94	30223	10.544	ug/l	98
6) Chloroethane	2.23	64	29636	7.761	ug/l #	77
7) Trichlorofluoromethane	2.48	101	245535	17.251	ug/l	92
8) Diethyl Ether	2.81	74	40529	17.020	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.05	101	147263	15.951	ug/l	95
10) Methyl Iodide	3.21	142	160729	16.566	ug/l #	78
11) Tert butyl alcohol	3.93	59	83286	210.403	ug/l	98
12) 1,1-Dichloroethene	3.04	96	106160	13.995	ug/l #	68
13) Acrolein	2.96	56	44568	110.487	ug/l	95
14) Allyl chloride	3.49	41	238423	17.129	ug/l #	75
15) Acrylonitrile	4.04	53	274395	119.401	ug/l	97
16) Acetone	3.13	43	188751	114.112	ug/l	94
17) Carbon Disulfide	3.28	76	390509	16.119	ug/l	99
18) Methyl Acetate	3.51	43	79779	19.461	ug/l	99
19) Methyl tert-butyl Ether	4.08	73	615628	31.988	ug/l	97
20) Methylene Chloride	3.67	84	296103	17.237	ug/l	98
21) trans-1,2-Dichloroethene	4.05	96	276790	17.817	ug/l #	80
22) Diisopropyl ether	4.88	45	973530	20.599	ug/l	91
23) Vinyl Acetate	4.82	43	2727011	119.268	ug/l	99
24) 1,1-Dichloroethane	4.76	63	540492	21.743	ug/l	99
25) 2-Butanone	5.83	43	413234	130.555	ug/l	94
26) 2,2-Dichloropropane	5.78	77	500565	25.510	ug/l	89
27) cis-1,2-Dichloroethene	5.79	96	296599	18.807	ug/l	73
28) Bromochloromethane	6.20	49	231394	22.034	ug/l	99
29) Tetrahydrofuran	6.23	42	213680	119.084	ug/l #	87
30) Chloroform	6.42	83	569613	22.772	ug/l	97
31) Cyclohexane	6.71	56	492954	20.606	ug/l	93
32) 1,1,1-Trichloroethane	6.63	97	483502	23.364	ug/l #	91
36) 1,1-Dichloropropene	6.90	75	420341	20.507	ug/l	93
37) Ethyl Acetate	5.94	43	200257	23.360	ug/l #	92
38) Carbon Tetrachloride	6.87	117	429392	23.745	ug/l	99

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D011819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 17 12:34:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.62	83	417785	17.871	ug/l	89
40) Benzene	7.21	78	1004258	18.967	ug/l	95
41) Methacrylonitrile	6.20	41	98839m	20.844	ug/l	
42) 1,2-Dichloroethane	7.33	62	413273	31.453	ug/l	91
43) Isopropyl Acetate	9.01	43	287399	26.125	ug/l	96
44) Trichloroethene	8.30	130	313546	20.008	ug/l	98
45) 1,2-Dichloropropane	8.70	63	269584	20.762	ug/l	94
46) Dibromomethane	8.82	93	178778	24.124	ug/l	89
47) Bromodichloromethane	9.14	83	426065	24.274	ug/l	97
48) Methyl methacrylate	8.89	41	177893	26.624	ug/l	91
49) 1,4-Dioxane	8.85	88	33261	535.382	ug/l	93
51) 4-Methyl-2-Pentanone	10.07	43	902375	133.882	ug/l	97
52) Toluene	10.28	92	644026	19.403	ug/l	97
53) t-1,3-Dichloropropene	10.69	75	420487	28.715	ug/l	99
54) cis-1,3-Dichloropropene	9.80	75	445228	23.229	ug/l	94
55) 1,1,2-Trichloroethane	10.97	97	193387	21.654	ug/l	98
56) Ethyl methacrylate	10.82	69	265816	32.045	ug/l	92
57) 1,3-Dichloropropane	11.19	76	350740	24.778	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.63	63	657489	134.521	ug/l	93
59) 2-Hexanone	11.32	43	679925	144.119	ug/l	97
60) Dibromochloromethane	11.47	129	291329	25.610	ug/l	96
61) 1,2-Dibromoethane	11.59	107	212507	22.941	ug/l	96
64) Tetrachloroethene	11.04	164	268652	18.995	ug/l	94
65) Chlorobenzene	12.19	112	695837	20.184	ug/l	96
66) 1,1,1,2-Tetrachloroethane	12.31	131	270454	24.399	ug/l	92
67) Ethyl Benzene	12.32	91	1216677	20.607	ug/l	96
68) m/p-Xylenes	12.46	106	883819	40.961	ug/l	84
69) o-Xylene	12.85	106	417229	20.382	ug/l	82
70) Styrene	12.87	104	716007	21.717	ug/l #	91
71) Bromoform	13.03	173	202524	27.679	ug/l #	96
73) Isopropylbenzene	13.20	105	1182288	21.613	ug/l	99
74) N-amyl acetate	13.06	43	395246	30.615	ug/l	93
75) 1,1,2,2-Tetrachloroethane	13.50	83	236389	26.661	ug/l	99
76) 1,2,3-Trichloropropane	13.53	75	273464	31.264	ug/l	93
77) Bromobenzene	13.47	156	305921	21.183	ug/l	90
78) n-propylbenzene	13.58	91	1502383	21.483	ug/l	100
79) 2-Chlorotoluene	13.63	91	846982	22.612	ug/l	92
80) 1,3,5-Trimethylbenzene	14.04	105	948966	22.466	ug/l	91
81) trans-1,4-Dichloro-2-buten	13.27	75	79322	32.819	ug/l	88
82) 4-Chlorotoluene	13.74	91	1001452	23.589	ug/l	94
83) tert-Butylbenzene	13.99	119	1023693	21.295	ug/l	86
84) 1,2,4-Trimethylbenzene	14.04	105	948966	21.813	ug/l	98
85) sec-Butylbenzene	14.17	105	1241420	21.176	ug/l	99
86) p-Isopropyltoluene	14.29	119	1051275	22.215	ug/l	95
87) 1,3-Dichlorobenzene	14.25	146	562990	21.236	ug/l	95
88) 1,4-Dichlorobenzene	14.33	146	512191	19.606	ug/l	93
89) n-Butylbenzene	14.60	91	1016587	21.022	ug/l	98
90) Hexachloroethane	14.81	117	276959	23.823	ug/l	83
91) 1,2-Dichlorobenzene	14.61	146	486692	22.885	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.18	75	43479	41.741	ug/l	86

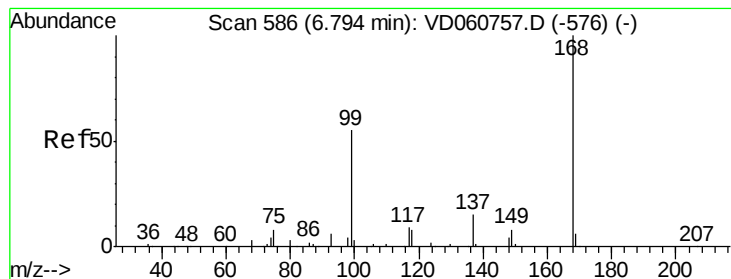
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD011819\
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Quant Title : SW846 8260
QLast Update : Thu Jan 17 12:34:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.75	180	385591	22.786	ug/l	97
94) Hexachlorobutadiene	15.84	225	249668	19.960	ug/l	98
95) Naphthalene	15.93	128	593083	29.488	ug/l	99
96) 1,2,3-Trichlorobenzene	16.08	180	322875	24.408	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.79 min Scan# 586

Delta R.T. 0.01 min

Lab File: VD060756.D

Acq: 18 Jan 2019 11:54

Instrument :

MSVOA_D

ClientSampleId :

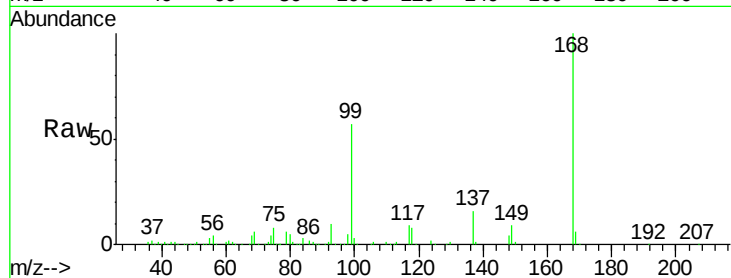
VSTDIC020

Tot Ion:168 Resp: 1370570

Ion Ratio Lower Upper

168 100

99 56.8 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.79

400000

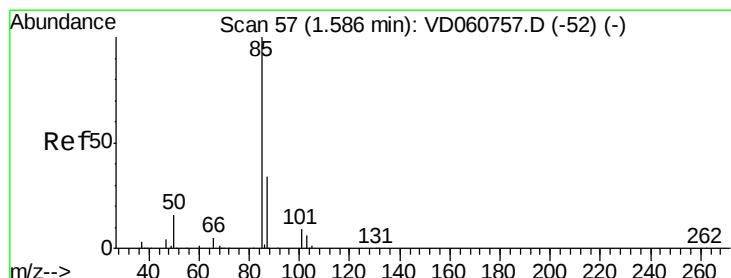
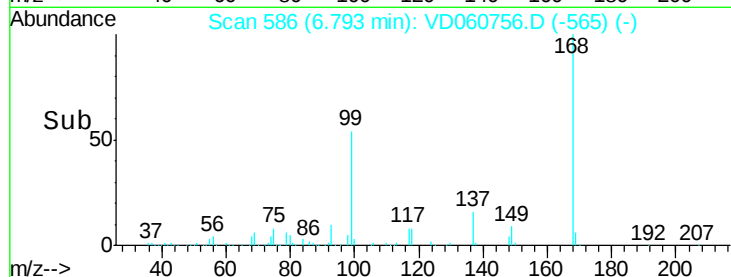
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 13.344 ug/l

RT: 1.58 min Scan# 57

Delta R.T. 0.00 min

Lab File: VD060756.D

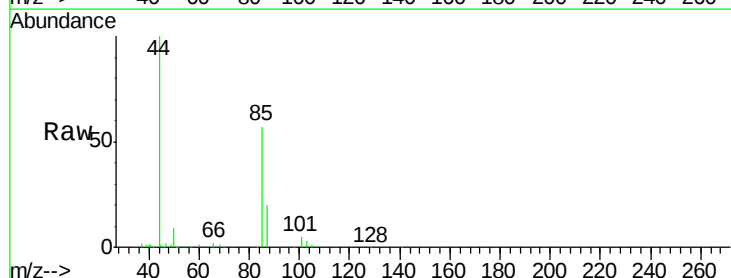
Acq: 18 Jan 2019 11:54

Tgt Ion: 85 Resp: 233680

Ion Ratio Lower Upper

85 100

87 35.1 16.0 47.9



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

80000

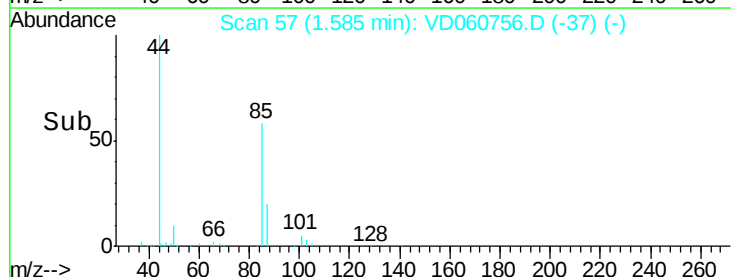
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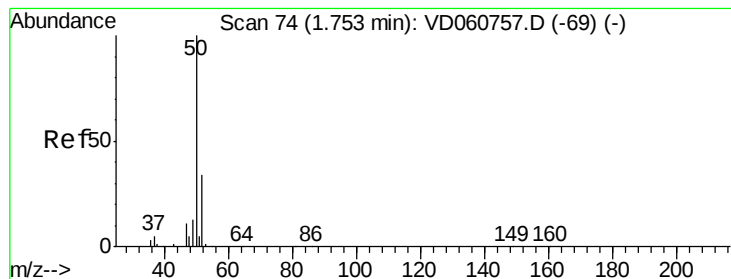
40000

20000

0

Time-->





#3

Chloromethane

Concen: 10.755 ug/l

RT: 1.76 min Scan# 75

Delta R.T. 0.00 min

Lab File: VD060756.D

Acq: 18 Jan 2019 11:54

Instrument :

MSVOA_D

ClientSampleId :

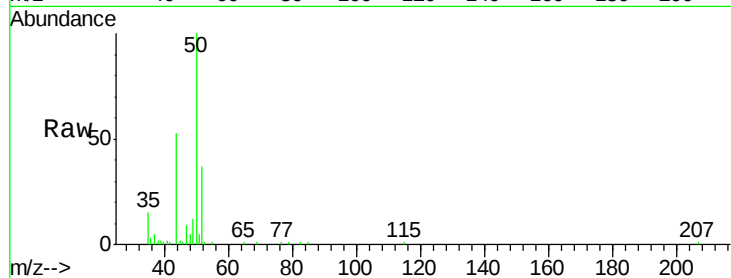
VSTDIC020

Tot Ion: 50 Resp: 173338

Ion Ratio Lower Upper

50 100

52 36.6 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.76

60000

50000

40000

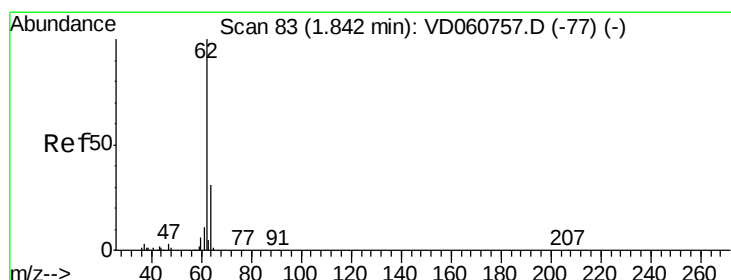
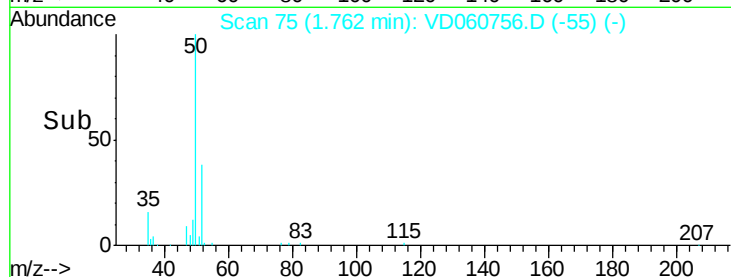
30000

20000

10000

0

Time--> 1.60 1.70 1.80 1.90



#4

Vinyl Chloride

Concen: 13.435 ug/l

RT: 1.84 min Scan# 83

Delta R.T. -0.01 min

Lab File: VD060756.D

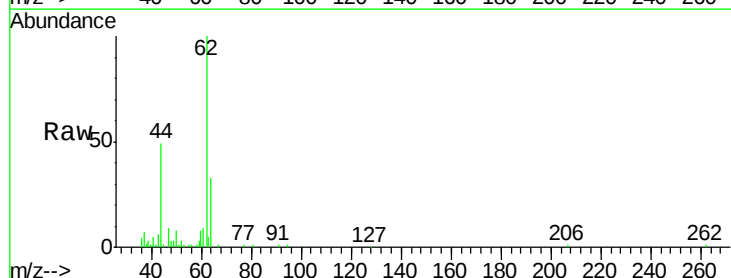
Acq: 18 Jan 2019 11:54

Tgt Ion: 62 Resp: 171908

Ion Ratio Lower Upper

62 100

64 32.8 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.84

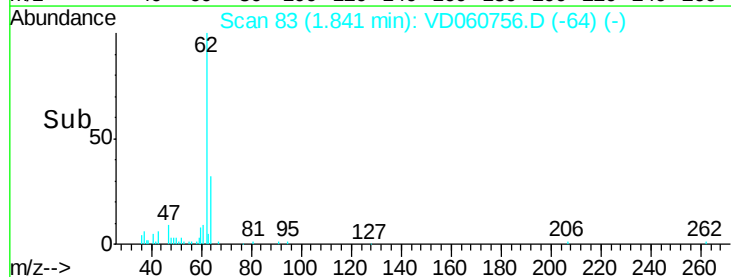
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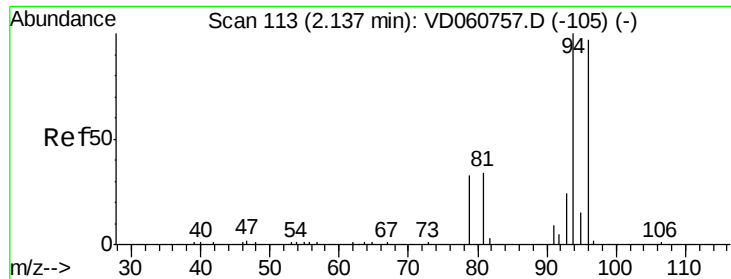
40000

20000

0

Time--> 1.70 1.80 1.90 2.00





#5

Bromomethane

Concen: 10.544 ug/l

RT: 2.13 min Scan# 112

Delta R.T. 0.00 min

Lab File: VD060756.D

Acq: 18 Jan 2019 11:54

Instrument :

MSVOA_D

ClientSampleId :

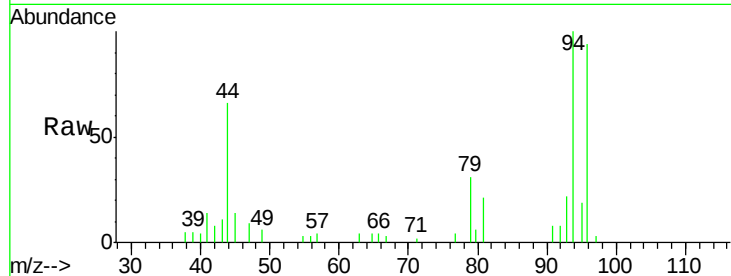
VSTDIC020

Tot Ion: 94 Resp: 30223

Ion Ratio Lower Upper

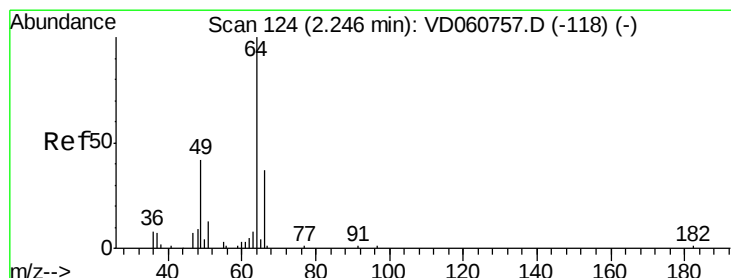
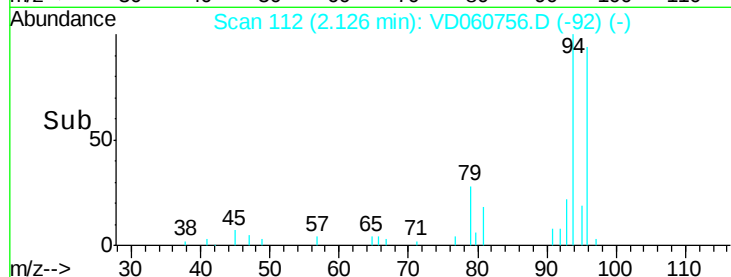
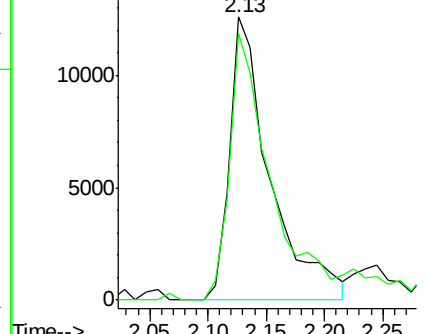
94 100

96 94.3 77.2 115.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 7.761 ug/l

RT: 2.23 min Scan# 123

Delta R.T. 0.00 min

Lab File: VD060756.D

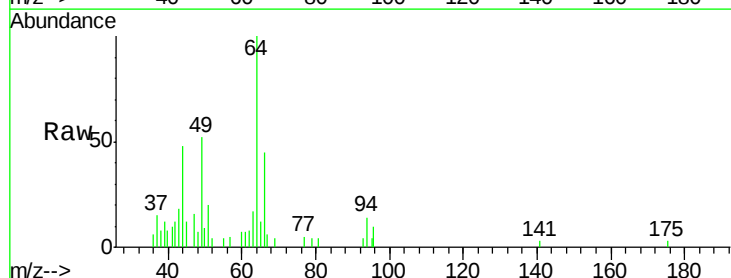
Acq: 18 Jan 2019 11:54

Tgt Ion: 64 Resp: 29636

Ion Ratio Lower Upper

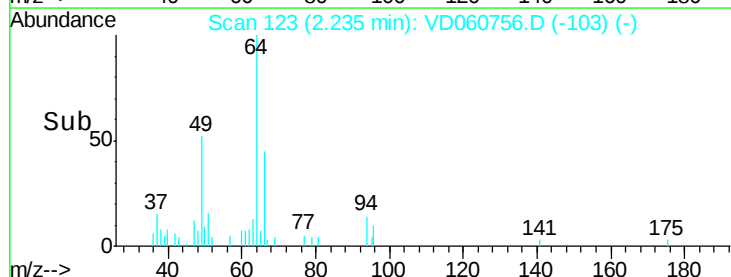
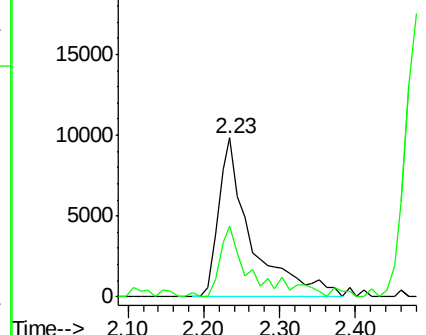
64 100

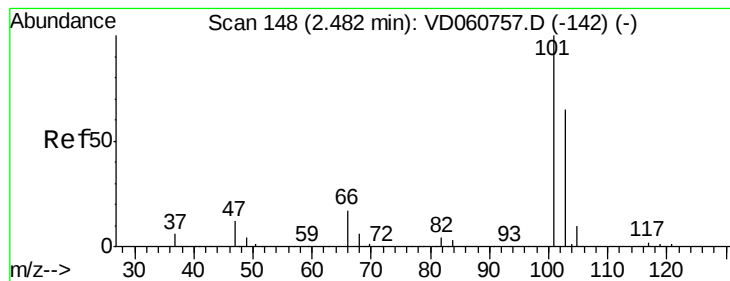
66 44.6 25.6 38.4#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



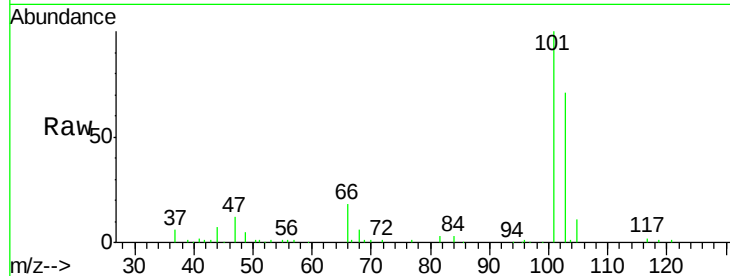


#7

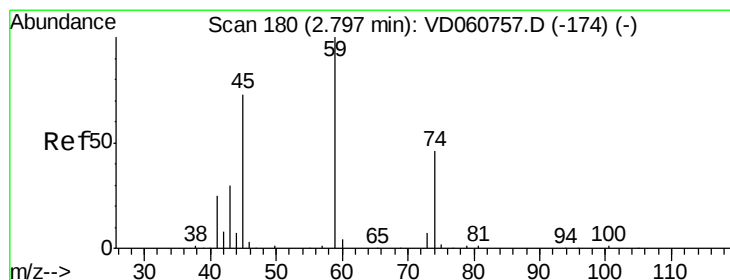
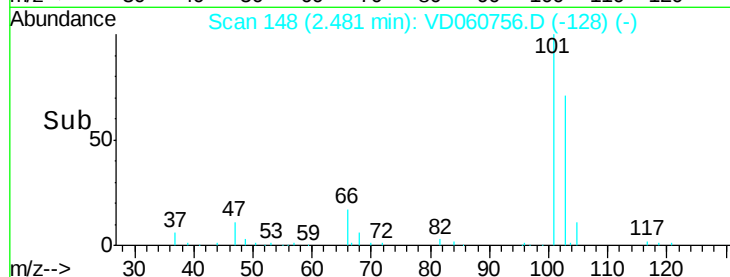
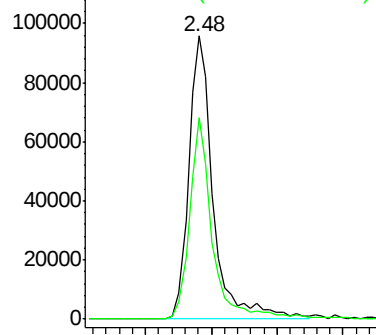
Trichlorofluoromethane
 Concen: 17.251 ug/l
 RT: 2.48 min Scan# 148
 Delta R.T. 0.00 min
 Lab File: VD060756.D
 Acq: 18 Jan 2019 11:54

Instrument :
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 VSTDIC020

Tot Ion:101 Resp: 245535
 Ion Ratio Lower Upper
 101 100
 103 71.3 51.9 77.9



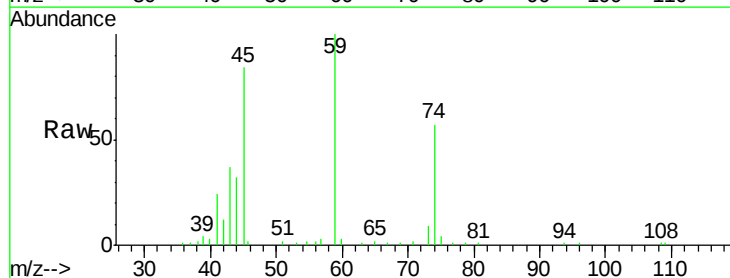
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



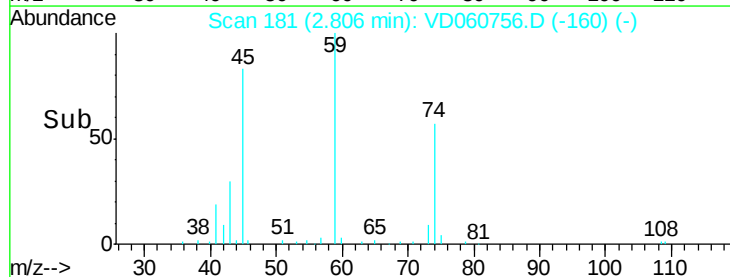
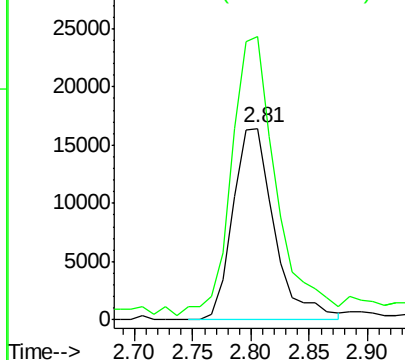
#8

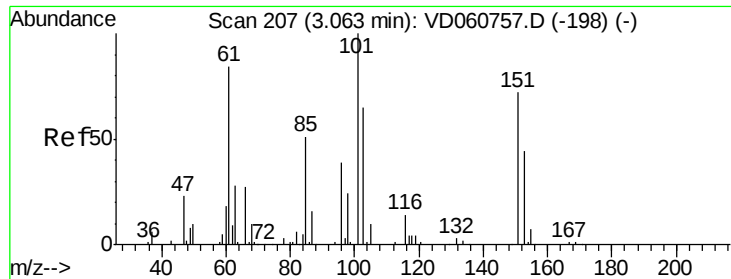
Diethyl Ether
 Concen: 17.020 ug/l
 RT: 2.81 min Scan# 181
 Delta R.T. 0.01 min
 Lab File: VD060756.D
 Acq: 18 Jan 2019 11:54

Tgt Ion: 74 Resp: 40529
 Ion Ratio Lower Upper
 74 100
 45 147.6 79.3 238.1



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: 15.951 ug/l

RT: 3.05 min Scan# 206

Delta R.T. -0.01 min

Lab File: VD060756.D

Acq: 18 Jan 2019 11:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

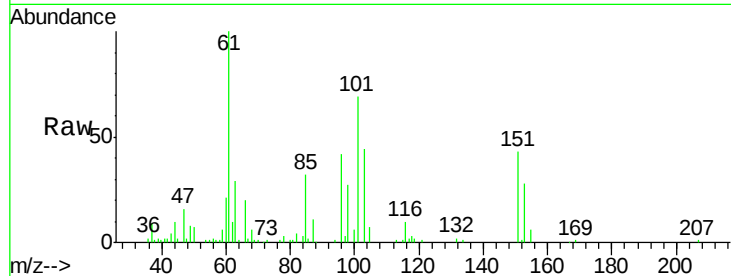
Tot Ion:101 Resp: 147263

Ion Ratio Lower Upper

101 100

85 45.9 33.4 50.0

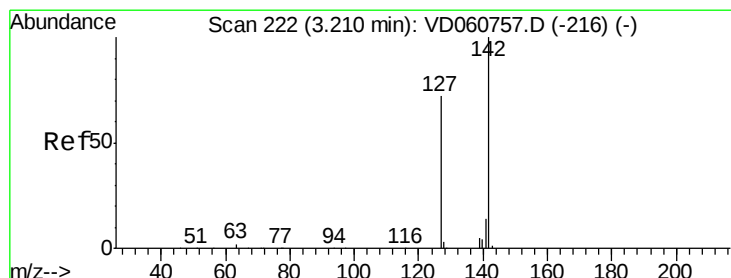
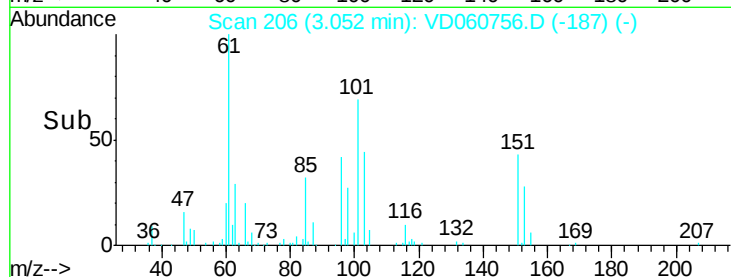
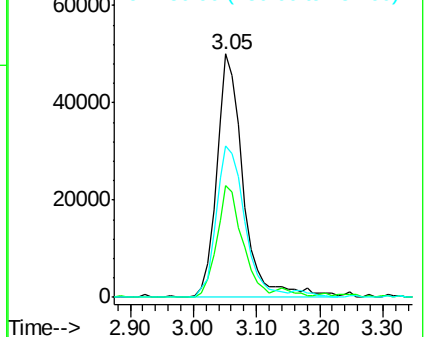
151 62.5 47.5 71.3



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: 16.566 ug/l

RT: 3.21 min Scan# 222

Delta R.T. 0.00 min

Lab File: VD060756.D

Acq: 18 Jan 2019 11:54

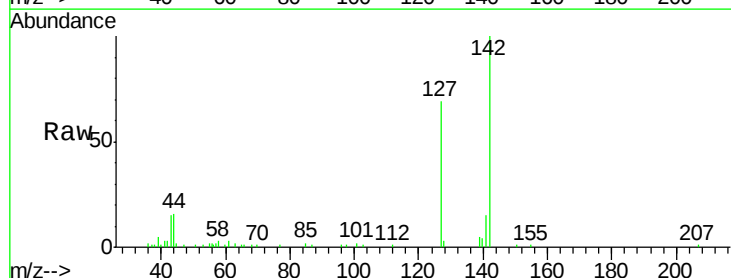
Tgt Ion:142 Resp: 160729

Ion Ratio Lower Upper

142 100

127 68.7 39.5 59.3#

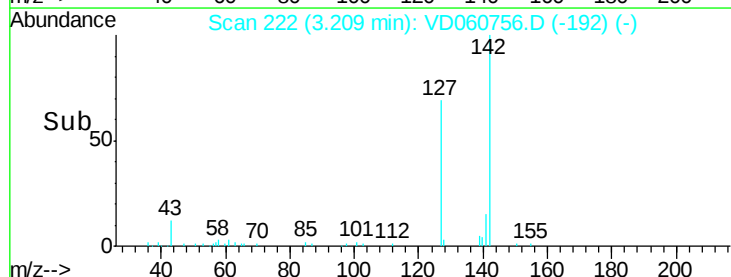
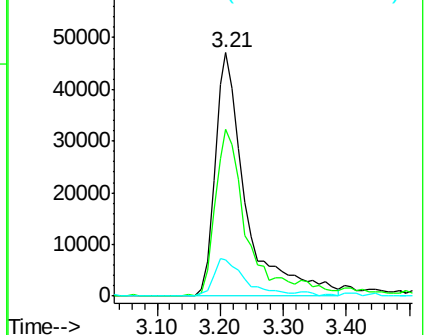
141 15.0 11.3 16.9

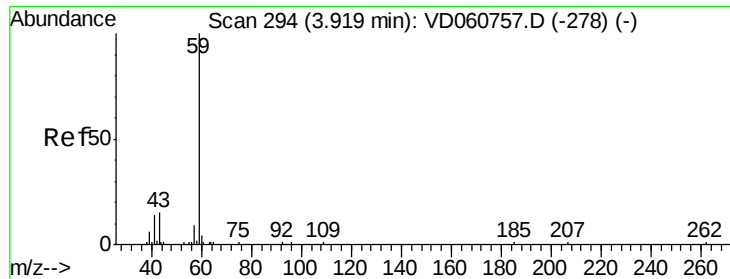


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



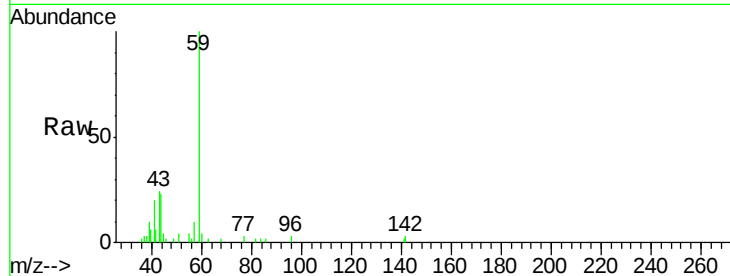


#11

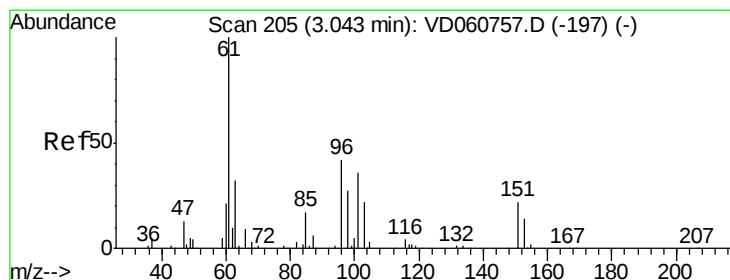
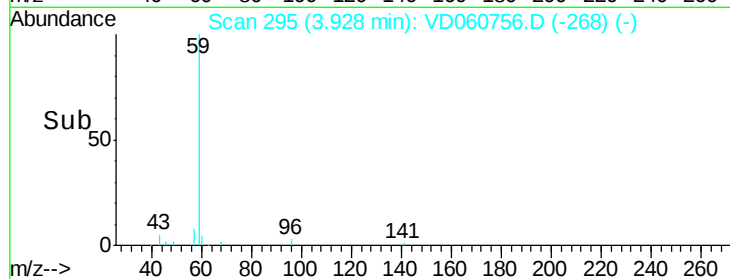
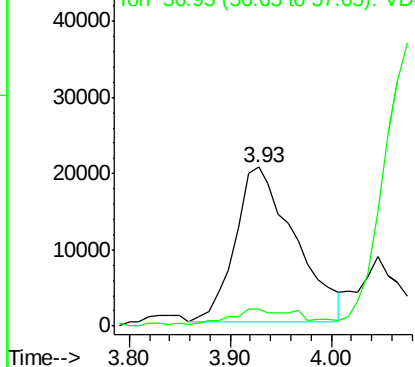
Tert butyl alcohol
Concen: 210.403 ug/l
RT: 3.93 min Scan# 295
Delta R.T. 0.07 min
Lab File: VD060756.D
Acq: 18 Jan 2019 11:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 59 Resp: 83286
Ion Ratio Lower Upper
59 100
57 10.5 7.8 11.6



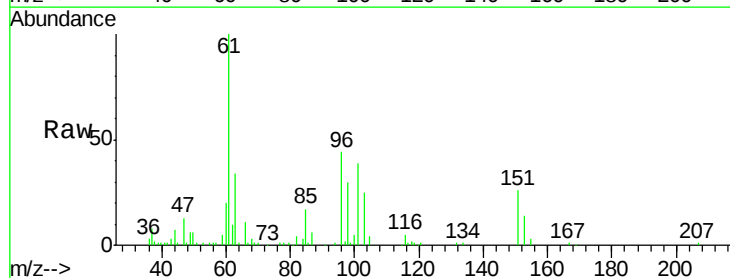
Abundance Ion 58.95 (58.65 to 59.65): VDC
Ion 56.95 (56.65 to 57.65): VDC



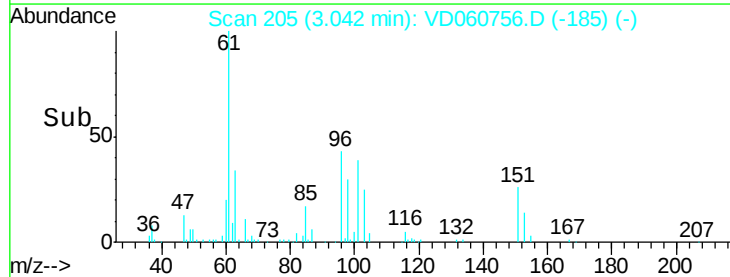
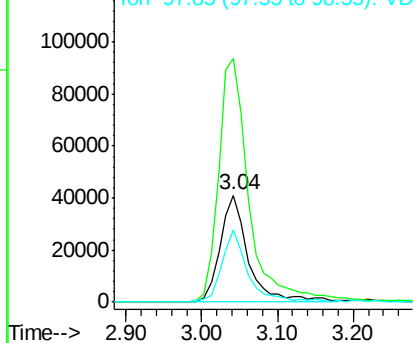
#12

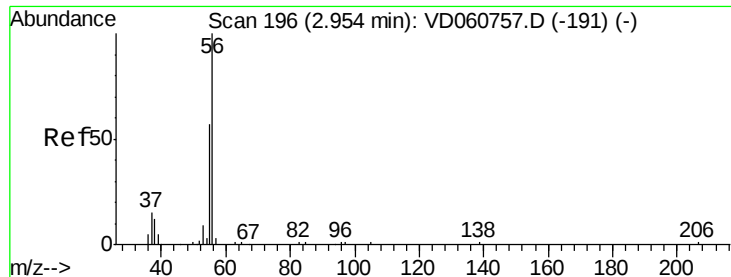
1,1-Dichloroethene
Concen: 13.995 ug/l
RT: 3.04 min Scan# 205
Delta R.T. 0.00 min
Lab File: VD060756.D
Acq: 18 Jan 2019 11:54

Tgt Ion: 96 Resp: 106160
Ion Ratio Lower Upper
96 100
61 227.3 136.2 204.4#
98 67.7 50.7 76.1



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





#13

Acrolein

Concen: 110.487 ug/l

RT: 2.96 min Scan# 197

Delta R.T. 0.01 min

Lab File: VD060756.D

Acq: 18 Jan 2019 11:54

Instrument :

MSVOA_D

ClientSampleId :

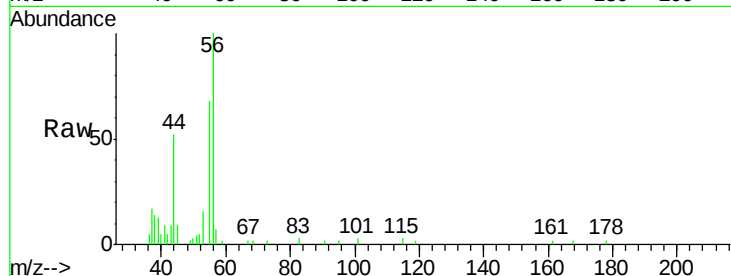
VSTDIC020

Tot Ion: 56 Resp: 44568

Ion Ratio Lower Upper

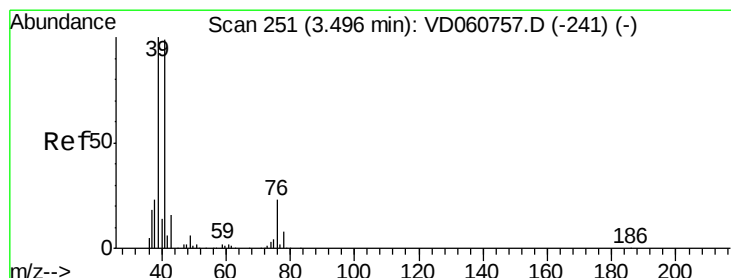
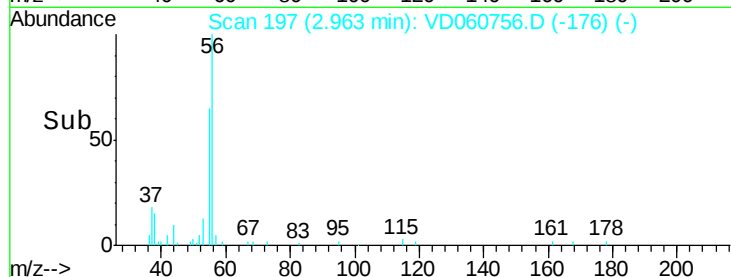
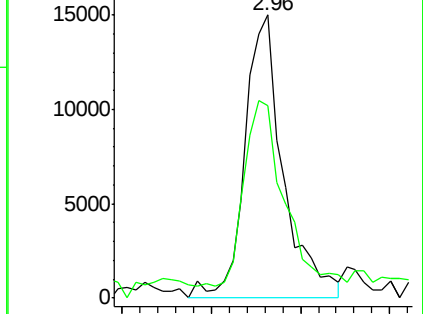
56 100

55 67.9 57.7 86.5



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 17.129 ug/l

RT: 3.49 min Scan# 251

Delta R.T. 0.00 min

Lab File: VD060756.D

Acq: 18 Jan 2019 11:54

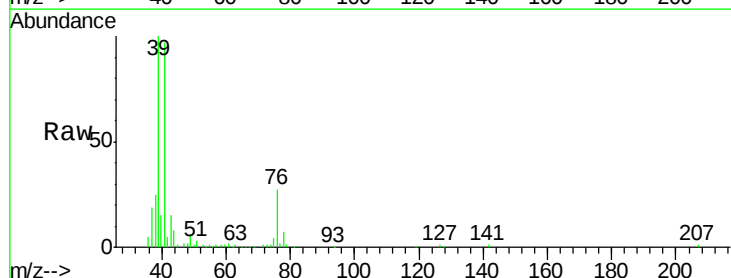
Tgt Ion: 41 Resp: 238423

Ion Ratio Lower Upper

41 100

39 103.2 59.6 89.4#

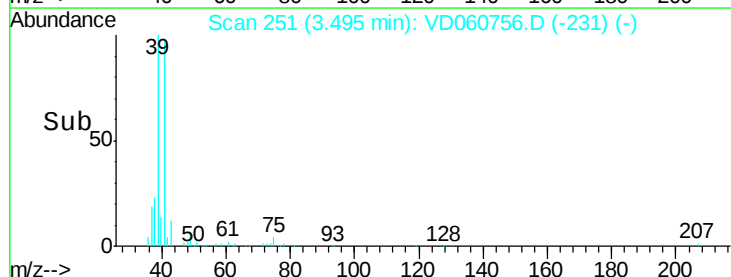
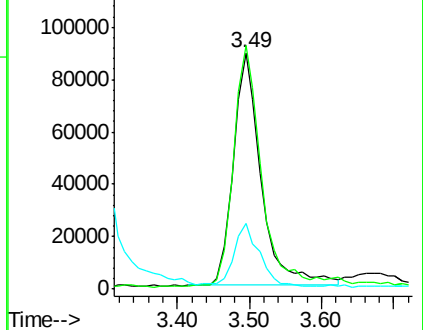
76 27.6 21.8 32.6

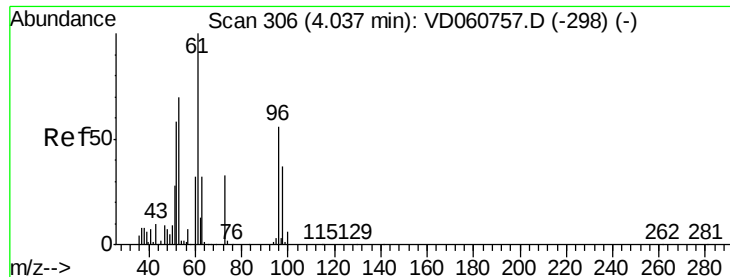


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 119.401 ug/l

RT: 4.04 min Scan# 306

Delta R.T. 0.02 min

Lab File: VD060756.D

Acq: 18 Jan 2019 11:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

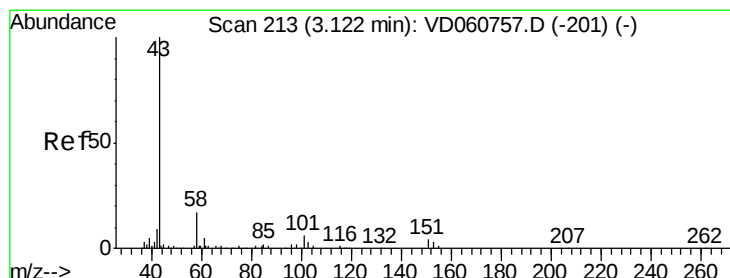
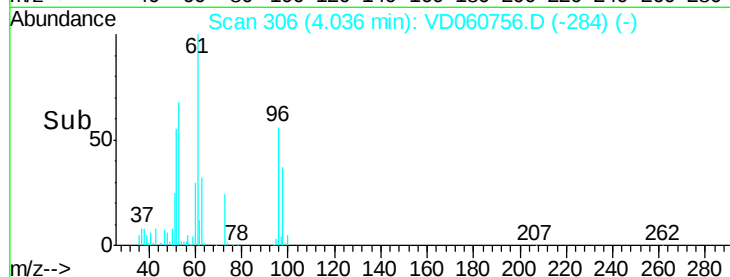
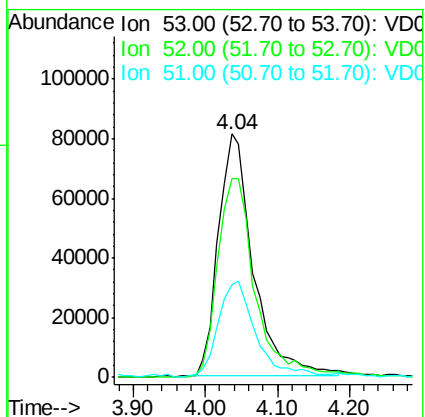
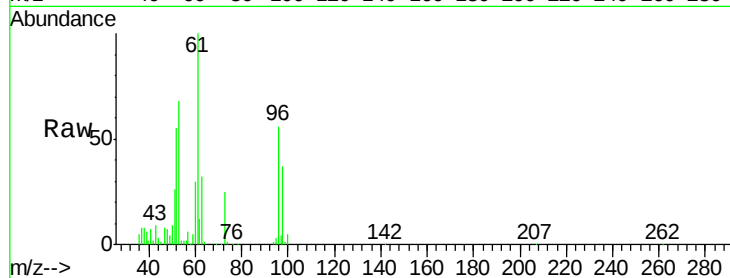
Tot Ion: 53 Resp: 274395

Ion Ratio Lower Upper

53 100

52 81.5 66.7 100.1

51 38.2 32.7 49.1



#16

Acetone

Concen: 114.112 ug/l

RT: 3.13 min Scan# 214

Delta R.T. 0.02 min

Lab File: VD060756.D

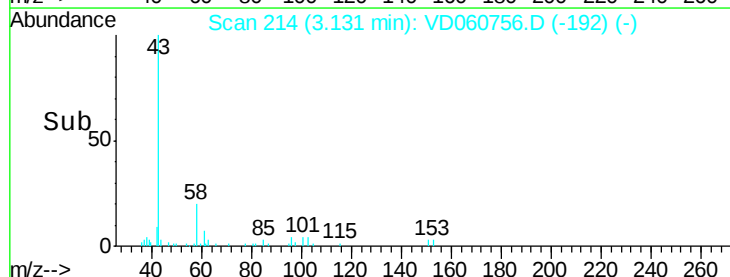
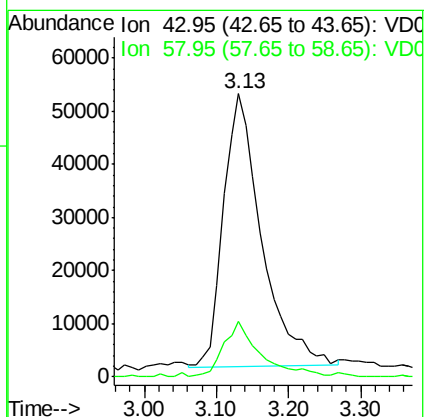
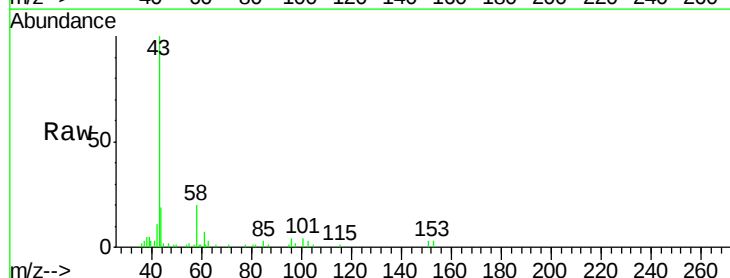
Acq: 18 Jan 2019 11:54

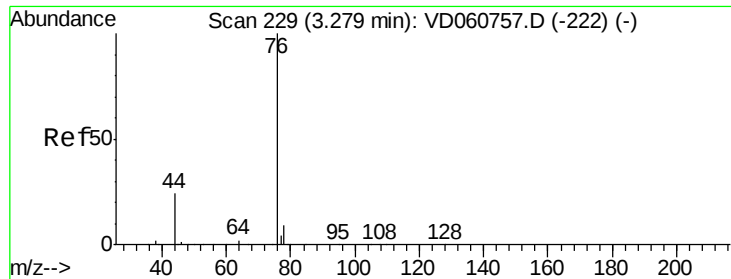
Tgt Ion: 43 Resp: 188751

Ion Ratio Lower Upper

43 100

58 19.7 18.2 27.2

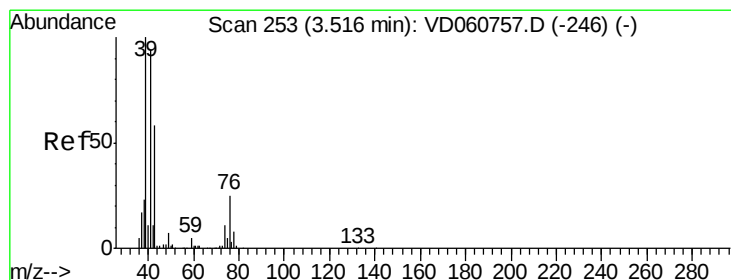
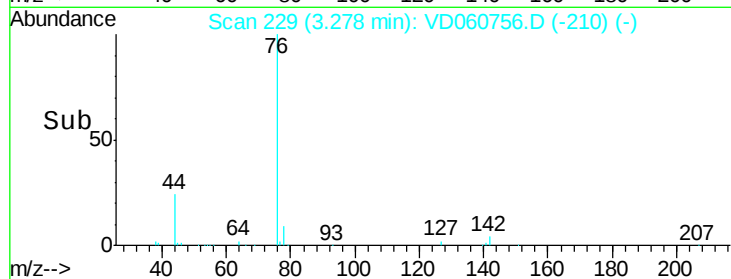
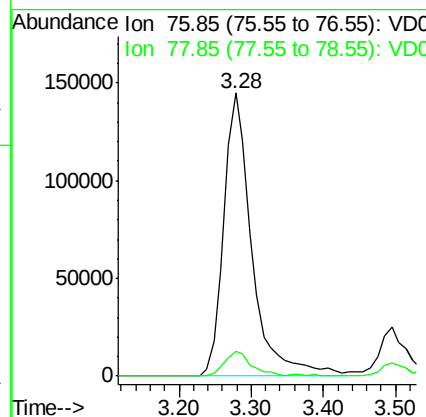
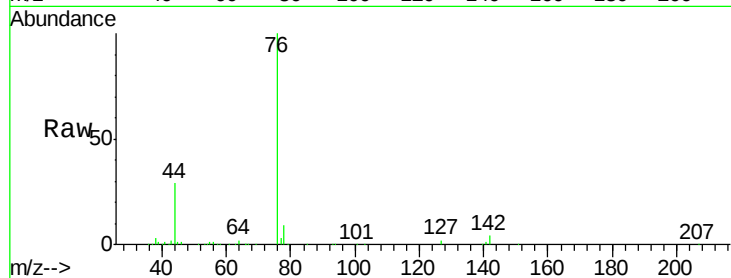




#17
Carbon Disulfide
Concen: 16.119 ug/l
RT: 3.28 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD060756.D
Acq: 18 Jan 2019 11:54

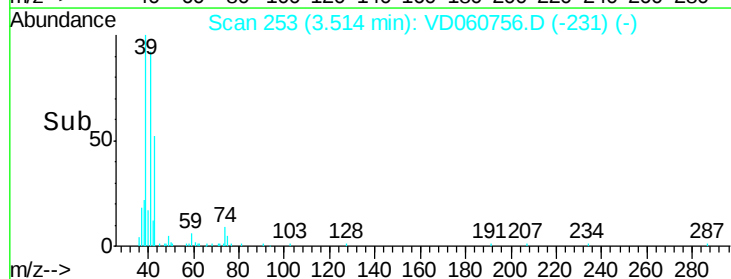
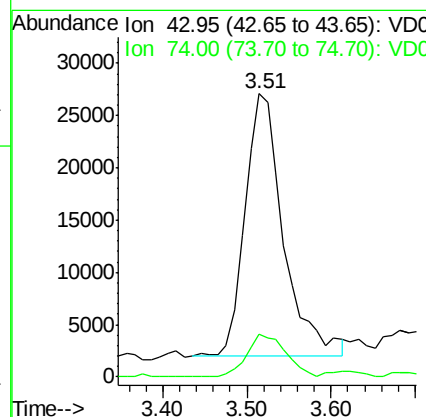
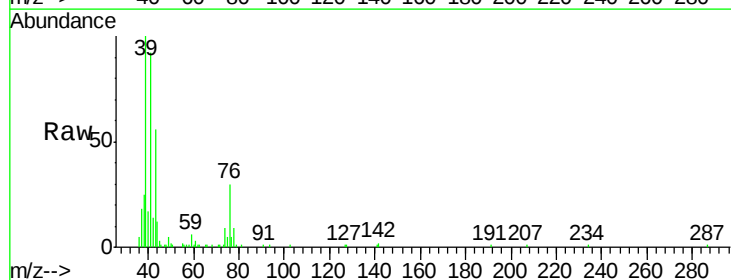
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

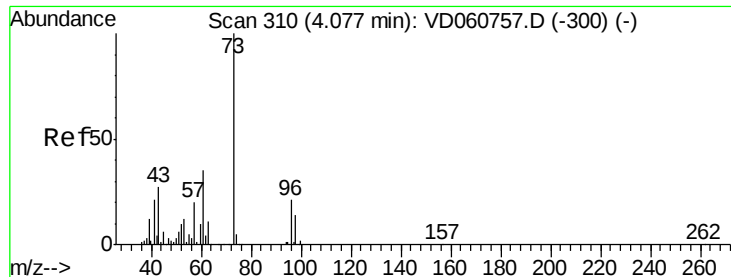
Tot Ion: 76 Resp: 390509
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.0



#18
Methyl Acetate
Concen: 19.461 ug/l
RT: 3.51 min Scan# 253
Delta R.T. 0.02 min
Lab File: VD060756.D
Acq: 18 Jan 2019 11:54

Tgt Ion: 43 Resp: 79779
Ion Ratio Lower Upper
43 100
74 15.2 12.4 18.6

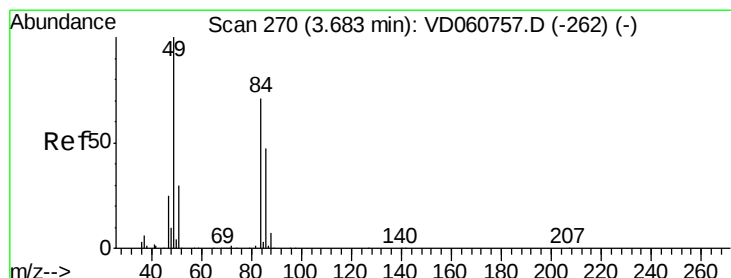
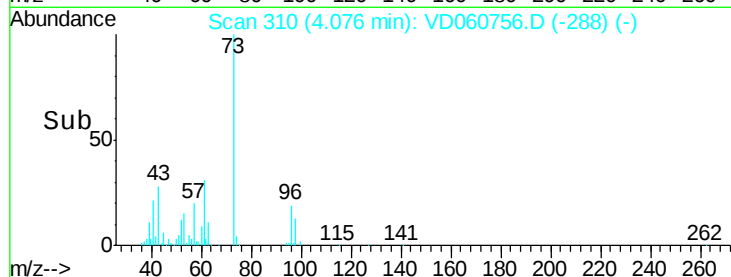
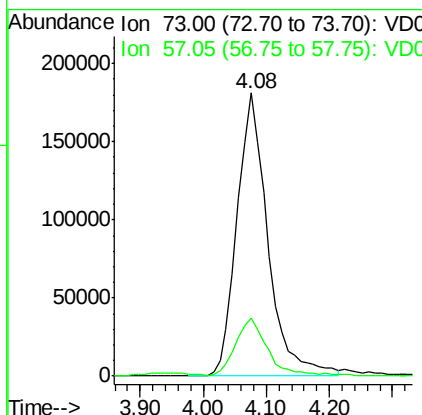
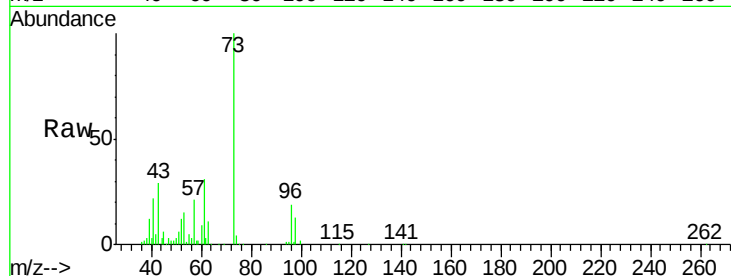




#19
Methyl tert-butyl Ether
Concen: 31.988 ug/l
RT: 4.08 min Scan# 310
Delta R.T. 0.02 min
Lab File: VD060756.D
Acq: 18 Jan 2019 11:54

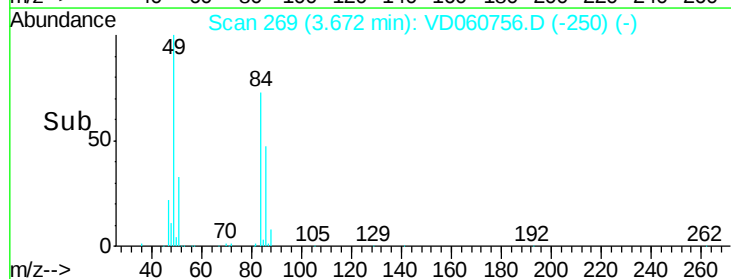
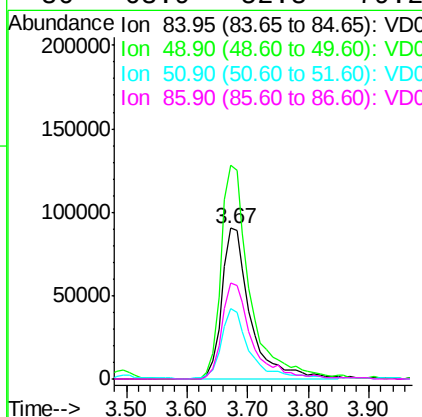
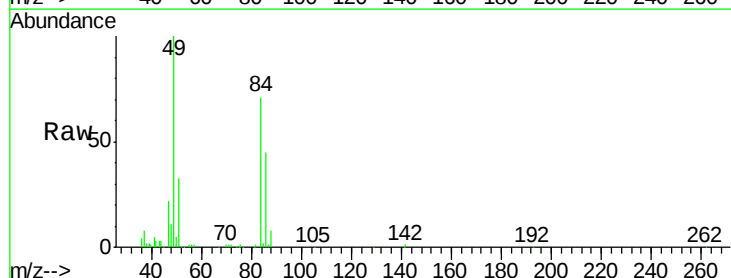
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

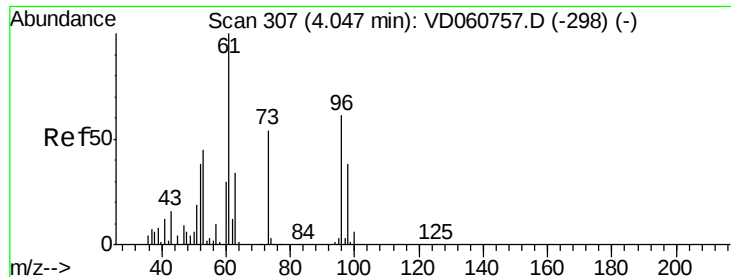
Tot Ion: 73 Resp: 615628
Ion Ratio Lower Upper
73 100
57 20.5 17.6 26.4



#20
Methylene Chloride
Concen: 17.237 ug/l
RT: 3.67 min Scan# 269
Delta R.T. -0.01 min
Lab File: VD060756.D
Acq: 18 Jan 2019 11:54

Tgt Ion: 84 Resp: 296103
Ion Ratio Lower Upper
84 100
49 141.7 113.6 170.4
51 46.3 34.7 52.1
86 63.9 52.8 79.2





#21

trans-1,2-Dichloroethene

Concen: 17.817 ug/l

RT: 4.05 min Scan# 307

Delta R.T. -0.01 min

Lab File: VD060756.D

Acq: 18 Jan 2019 11:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

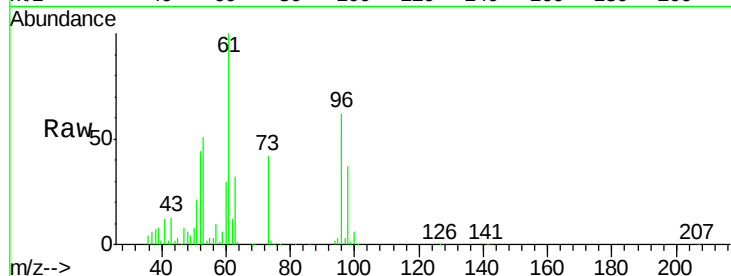
Tot Ion: 96 Resp: 276790

Ion Ratio Lower Upper

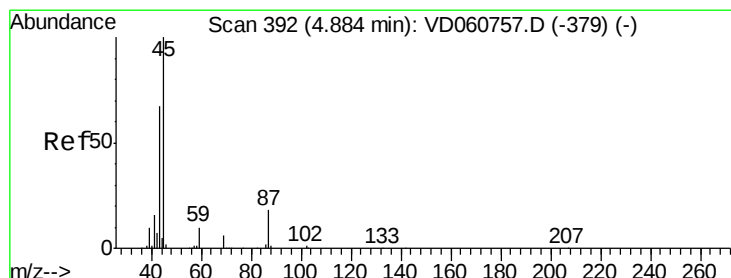
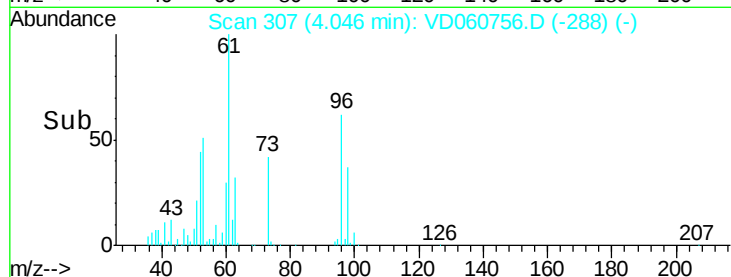
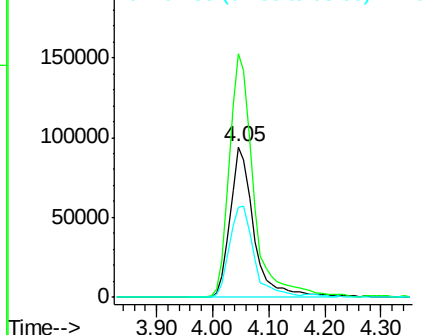
96 100

61 161.7 104.2 156.2#

98 60.0 51.2 76.8



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



#22

Diisopropyl ether

Concen: 20.599 ug/l

RT: 4.88 min Scan# 392

Delta R.T. 0.03 min

Lab File: VD060756.D

Acq: 18 Jan 2019 11:54

Tgt Ion: 45 Resp: 973530

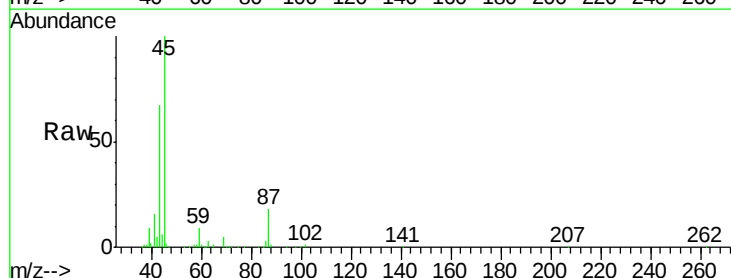
Ion Ratio Lower Upper

45 100

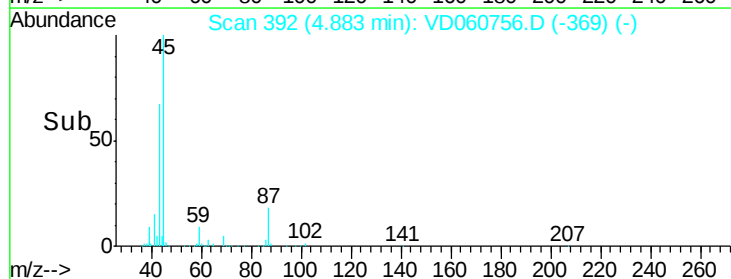
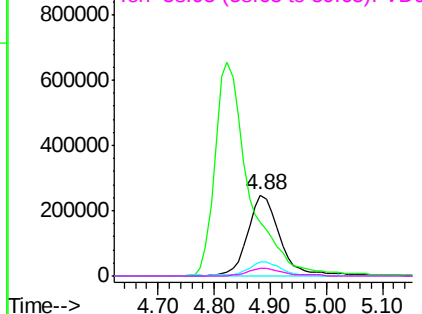
43 67.0 46.1 69.1

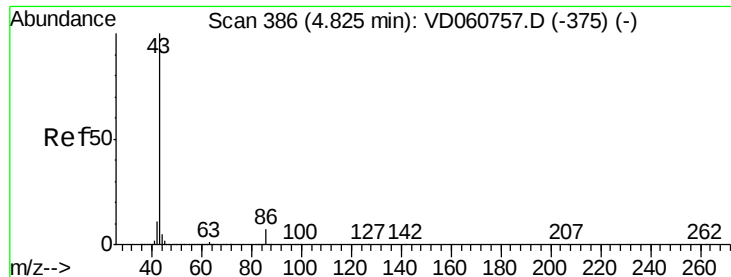
87 18.0 13.7 20.5

59 9.0 7.4 11.0



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC

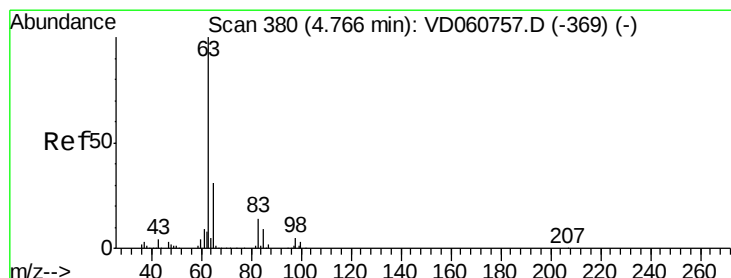
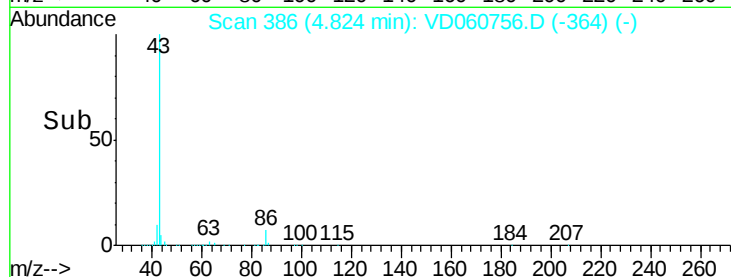
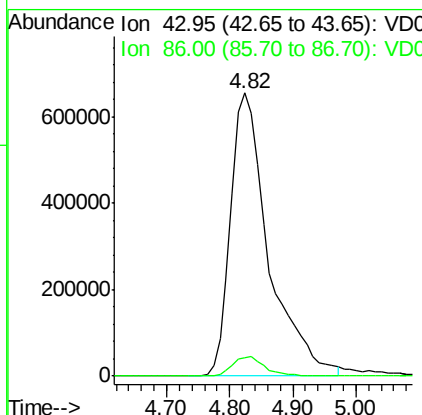
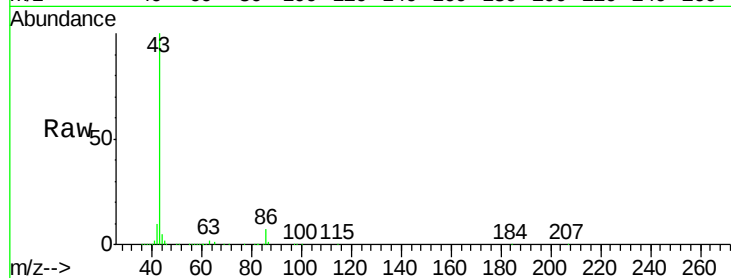




#23
 Vinyl Acetate
 Concen: 119.268 ug/l
 RT: 4.82 min Scan# 386
 Delta R.T. 0.02 min
 Lab File: VD060756.D
 Acq: 18 Jan 2019 11:54

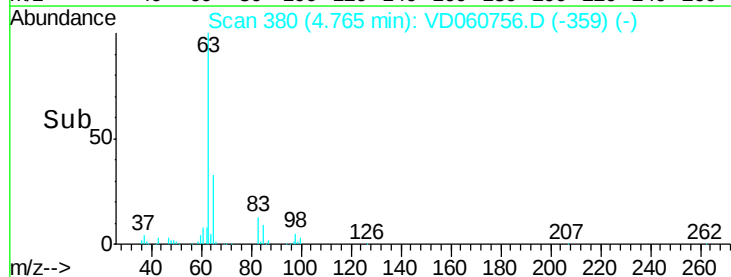
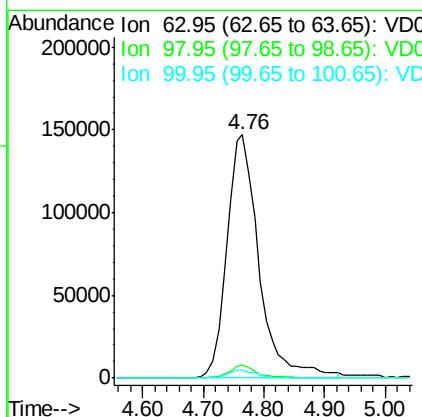
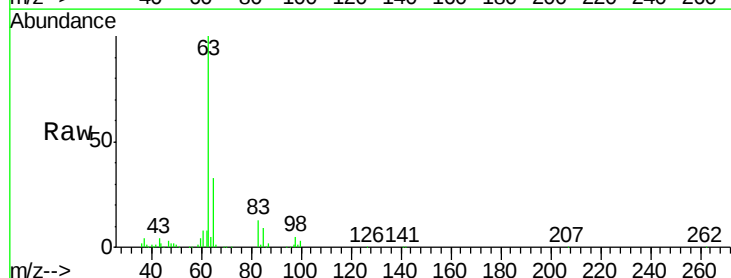
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

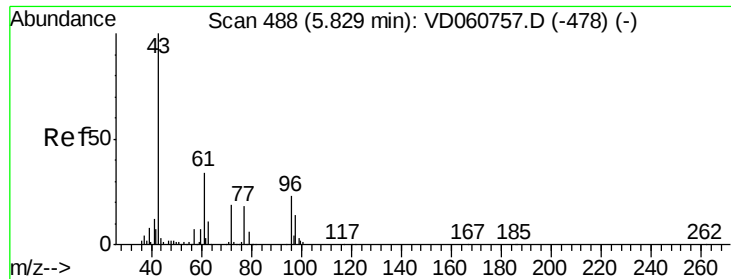
Tot Ion: 43 Resp: 2727011
 Ion Ratio Lower Upper
 43 100
 86 6.6 5.6 8.4



#24
 1,1-Dichloroethane
 Concen: 21.743 ug/l
 RT: 4.76 min Scan# 380
 Delta R.T. 0.01 min
 Lab File: VD060756.D
 Acq: 18 Jan 2019 11:54

Tgt Ion: 63 Resp: 540492
 Ion Ratio Lower Upper
 63 100
 98 5.4 2.9 8.7
 100 3.4 2.0 5.8

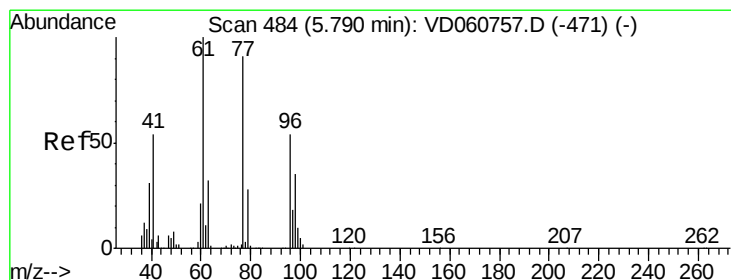
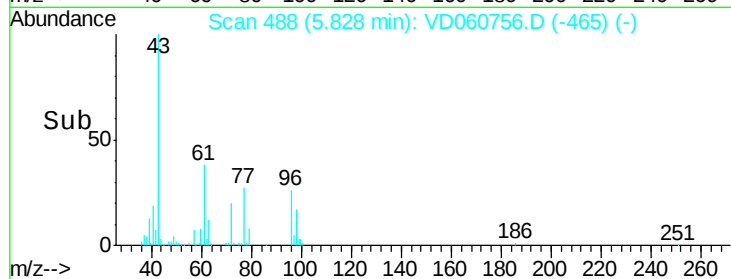
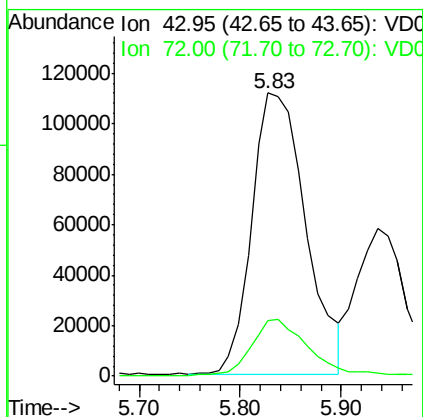
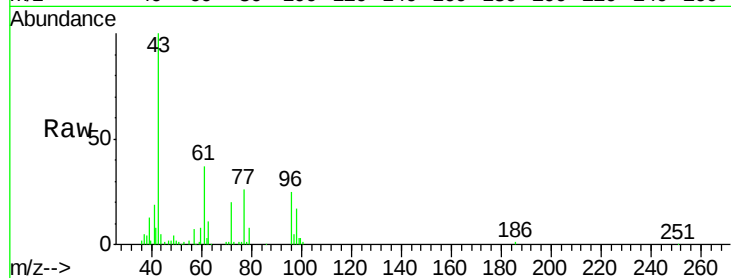




#25
2-Butanone
Concen: 130.555 ug/l
RT: 5.83 min Scan# 488
Delta R.T. 0.03 min
Lab File: VD060756.D
Acq: 18 Jan 2019 11:54

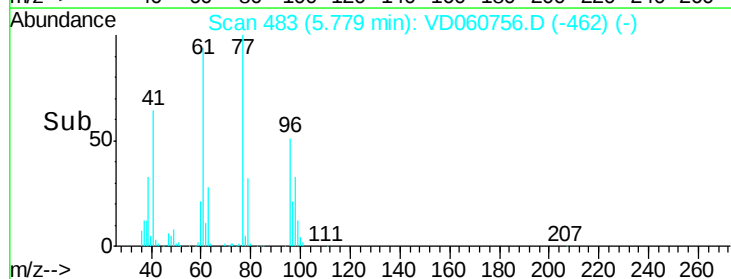
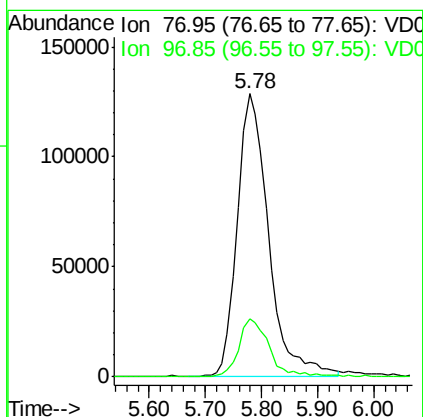
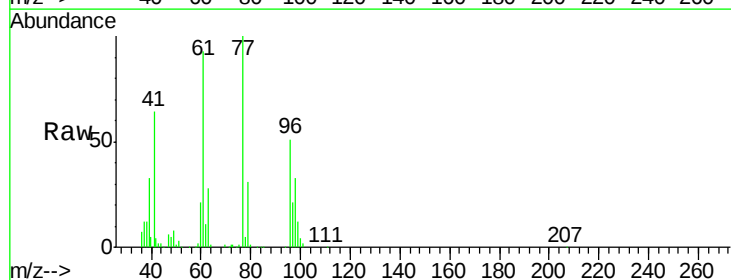
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

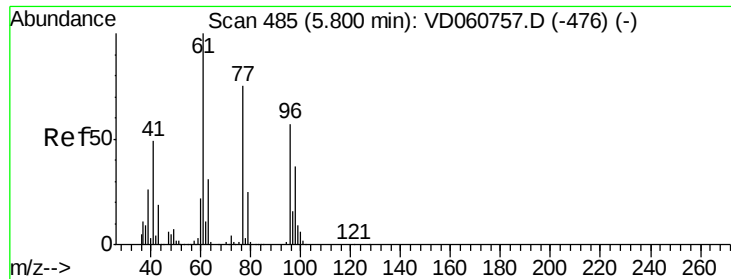
Tot Ion: 43 Resp: 413234
Ion Ratio Lower Upper
43 100
72 19.9 13.7 20.5



#26
2,2-Dichloropropane
Concen: 25.510 ug/l
RT: 5.78 min Scan# 483
Delta R.T. 0.01 min
Lab File: VD060756.D
Acq: 18 Jan 2019 11:54

Tgt Ion: 77 Resp: 500565
Ion Ratio Lower Upper
77 100
97 20.5 13.0 39.0



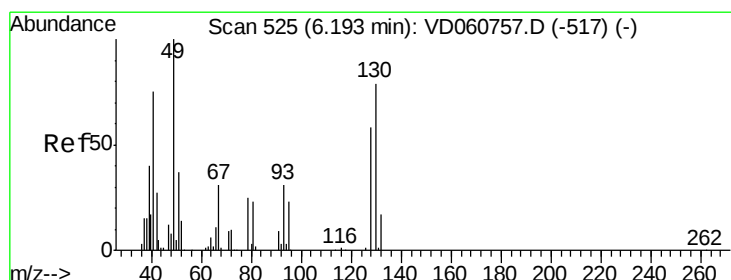
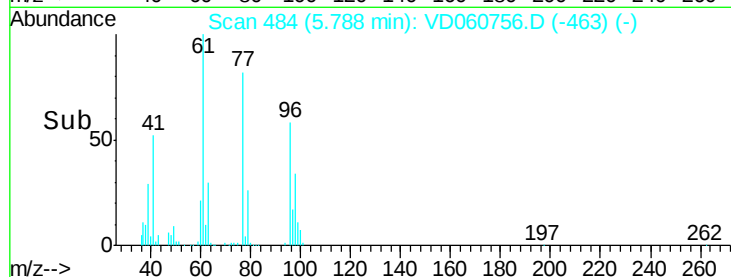
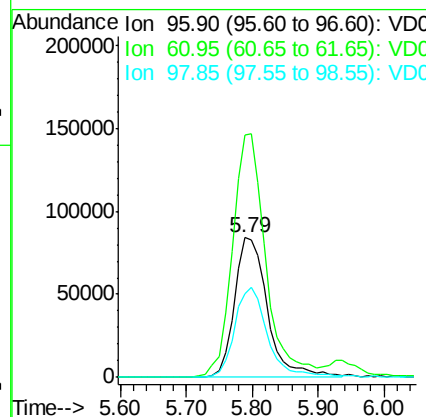
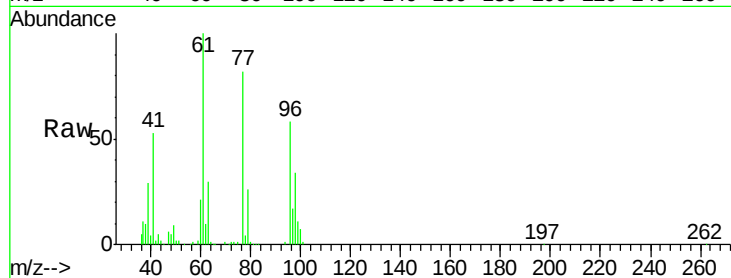


#27

cis-1,2-Dichloroethene
Concen: 18.807 ug/l
RT: 5.79 min Scan# 484
Delta R.T. 0.01 min
Lab File: VD060756.D
Acq: 18 Jan 2019 11:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

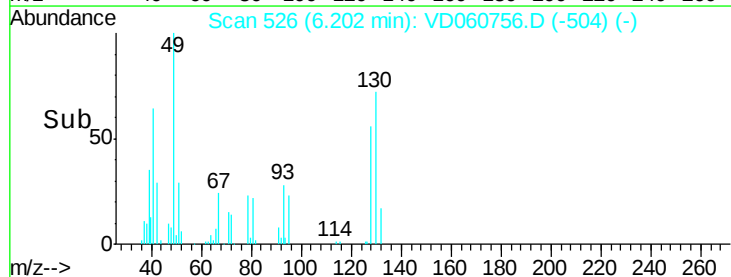
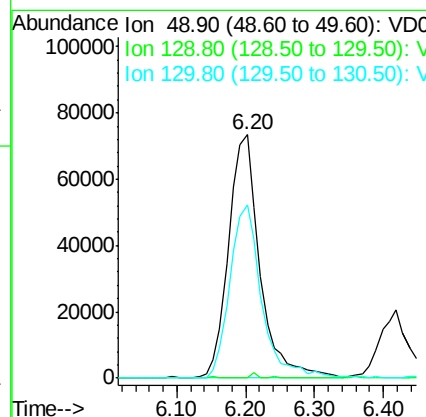
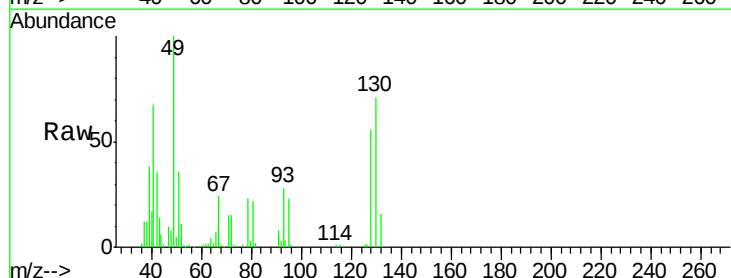
Tot Ion	96	Resp	296599
Ion	Ratio	Lower	Upper
96	100		
61	173.8	0.0	259.4
98	59.9	0.0	130.0

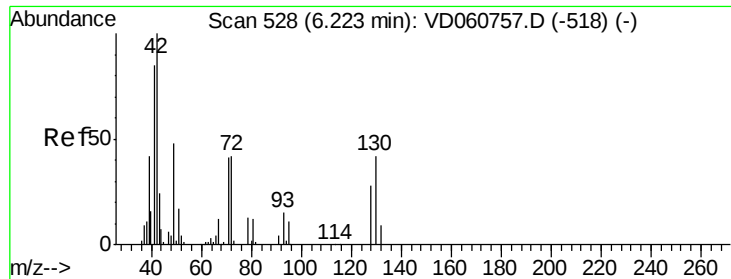


#28

Bromochloromethane
Concen: 22.034 ug/l
RT: 6.20 min Scan# 526
Delta R.T. 0.02 min
Lab File: VD060756.D
Acq: 18 Jan 2019 11:54

Tgt Ion	49	Resp	231394
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.4
130	71.3	56.2	84.2

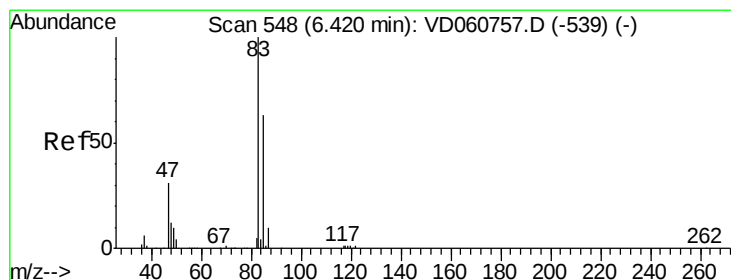
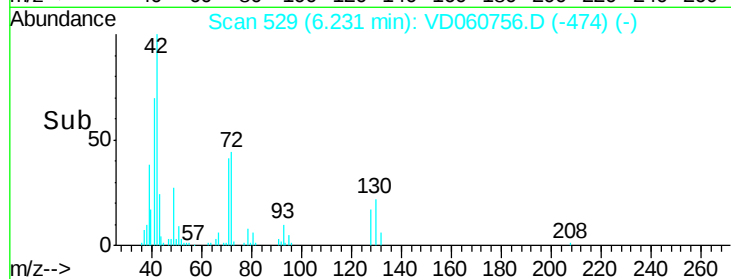
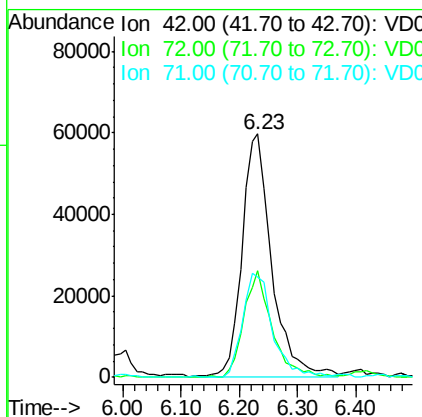
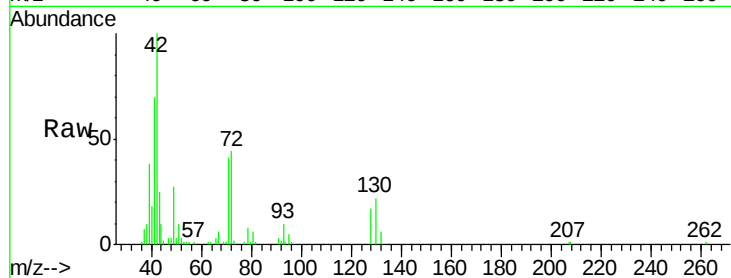




#29
Tetrahydrofuran
Concen: 119.084 ug/l
RT: 6.23 min Scan# 529
Delta R.T. 0.04 min
Lab File: VD060756.D
Acq: 18 Jan 2019 11:54

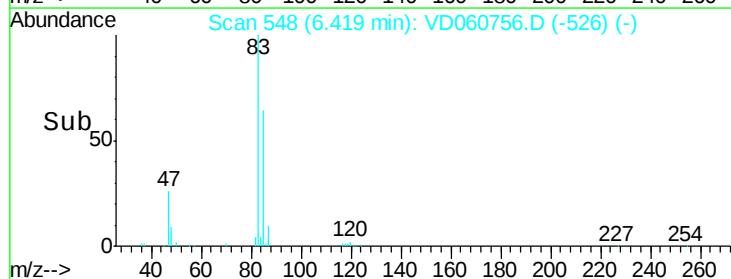
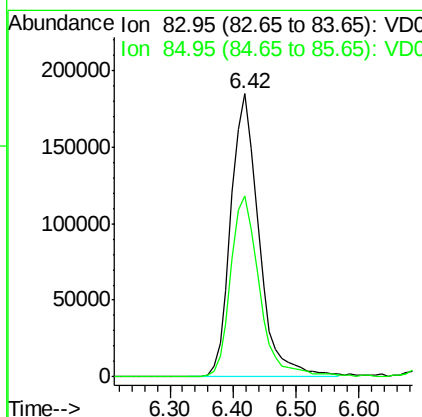
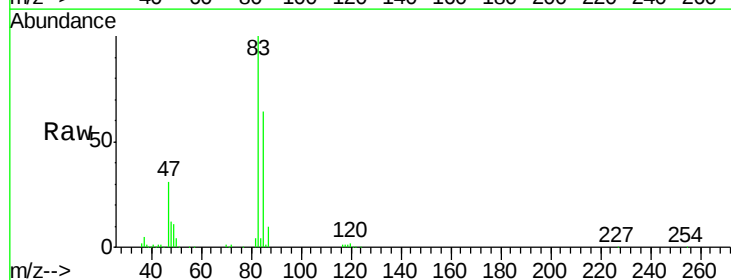
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

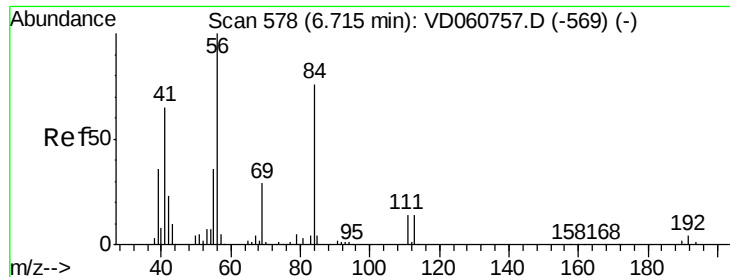
Tot Ion: 42 Resp: 213680
Ion Ratio Lower Upper
42 100
72 41.1 28.0 42.0
71 42.8 27.0 40.6#



#30
Chloroform
Concen: 22.772 ug/l
RT: 6.42 min Scan# 548
Delta R.T. 0.02 min
Lab File: VD060756.D
Acq: 18 Jan 2019 11:54

Tgt Ion: 83 Resp: 569613
Ion Ratio Lower Upper
83 100
85 63.8 53.0 79.6

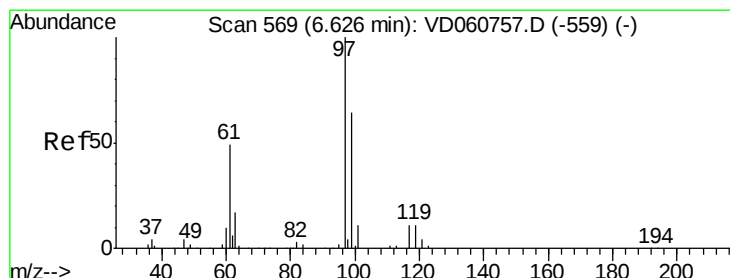
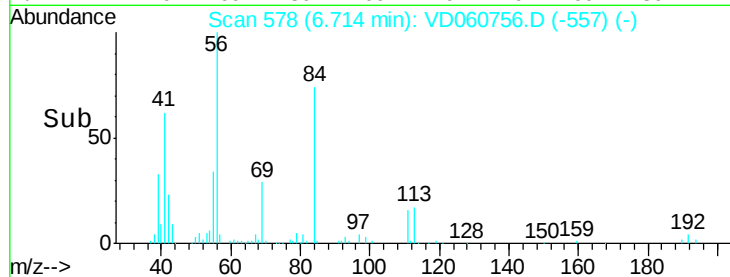
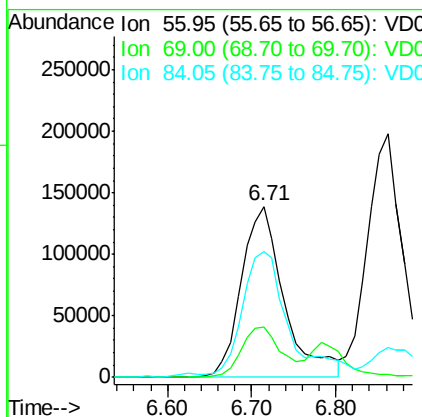
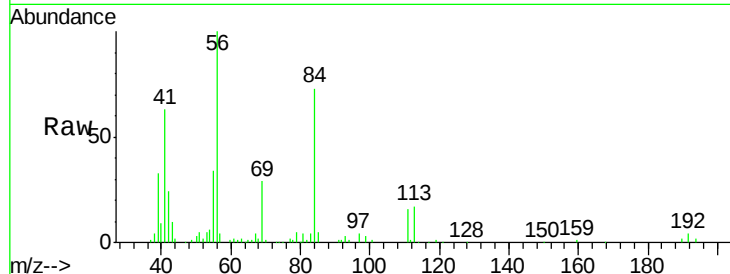




#31
Cyclohexane
Concen: 20.606 ug/l
RT: 6.71 min Scan# 578
Delta R.T. 0.01 min
Lab File: VD060756.D
Acq: 18 Jan 2019 11:54

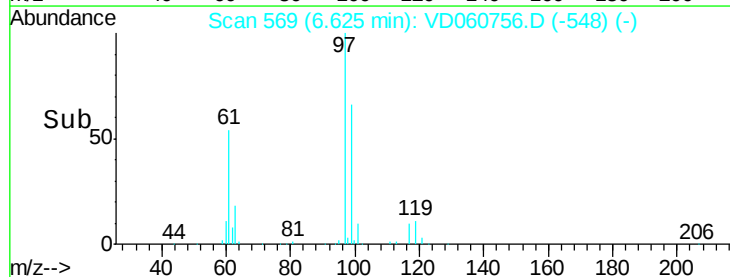
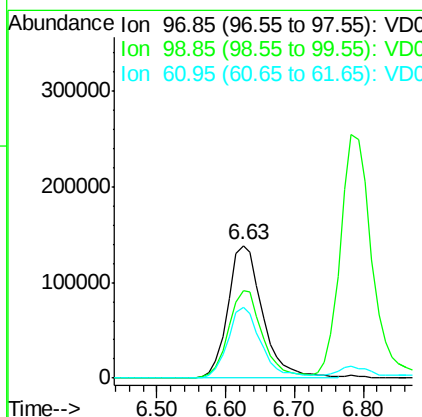
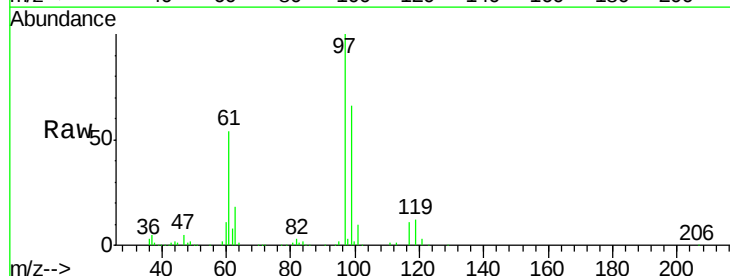
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

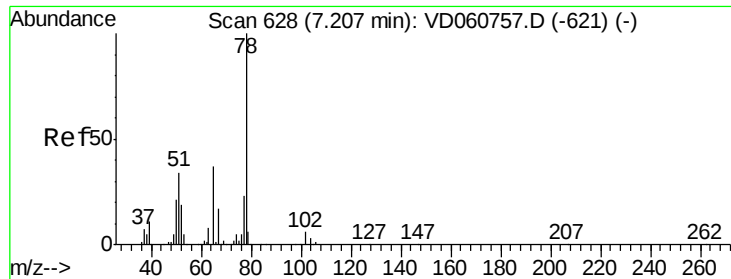
Tot Ion	56	Resp	492954
Ion Ratio	Lower	Upper	
56	100		
69	29.1	23.6	35.4
84	73.5	65.8	98.6



#32
1,1,1-Trichloroethane
Concen: 23.364 ug/l
RT: 6.63 min Scan# 569
Delta R.T. 0.01 min
Lab File: VD060756.D
Acq: 18 Jan 2019 11:54

Tgt Ion	97	Resp	483502
Ion Ratio	Lower	Upper	
97	100		
99	65.8	50.5	75.7
61	53.8	34.6	51.8#

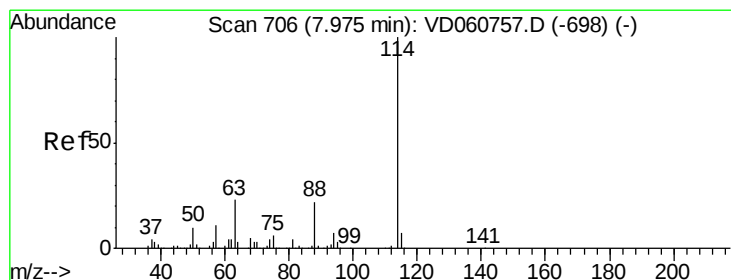
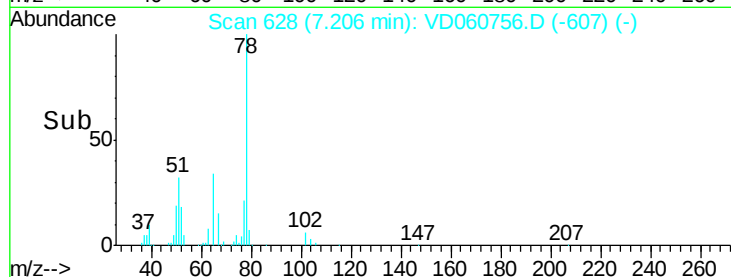
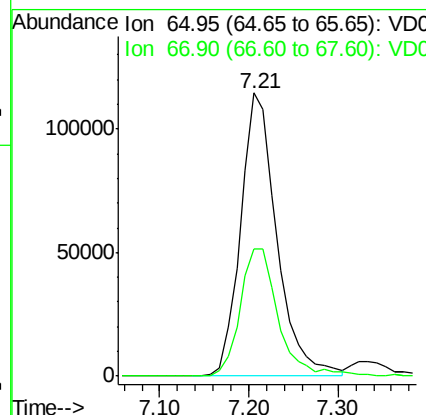
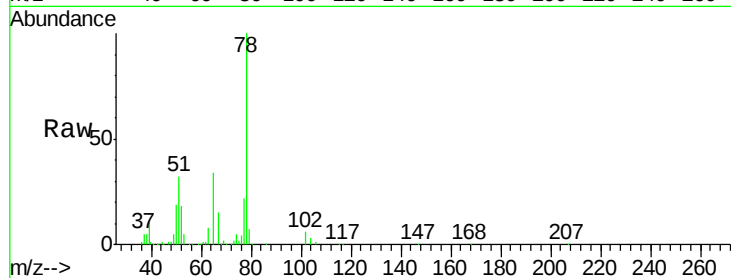




#33
 1,2-Dichloroethane-d4
 Concen: 23.364 ug/l
 RT: 7.21 min Scan# 628
 Delta R.T. 0.01 min
 Lab File: VD060756.D
 Acq: 18 Jan 2019 11:54

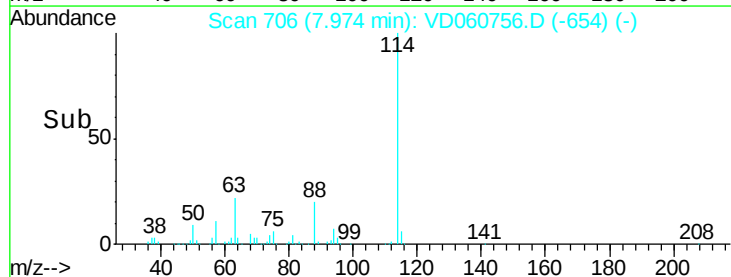
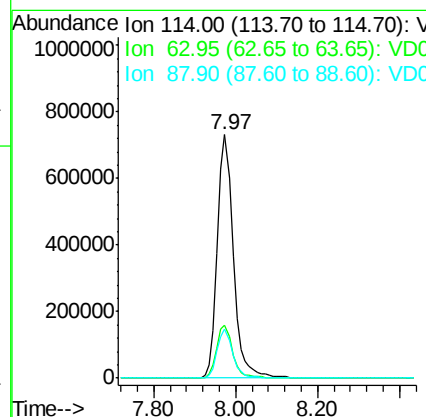
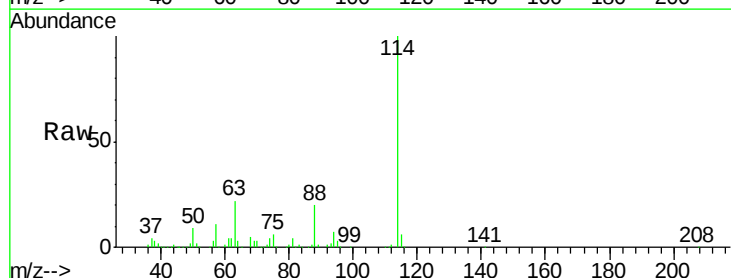
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

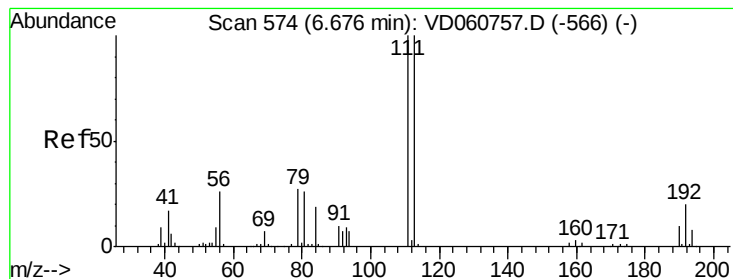
Tot Ion: 65 Resp: 322783
 Ion Ratio Lower Upper
 65 100
 67 44.9 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.97 min Scan# 706
 Delta R.T. 0.01 min
 Lab File: VD060756.D
 Acq: 18 Jan 2019 11:54

Tgt Ion: 114 Resp: 1990594
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 36.2
 88 20.1 0.0 37.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.67 min Scan# 574

Delta R.T. 0.01 min

Lab File: VD060756.D

Acq: 18 Jan 2019 11:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

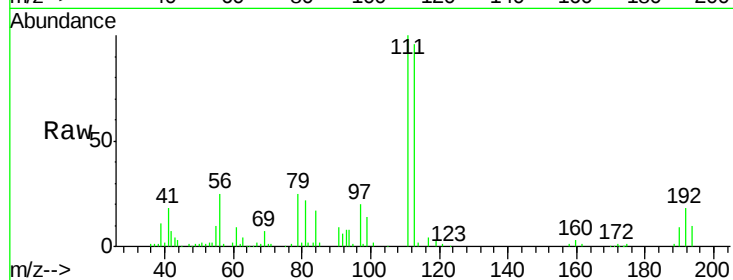
Tot Ion:113 Resp: 335392

Ion Ratio Lower Upper

113 100

111 103.7 80.0 120.0

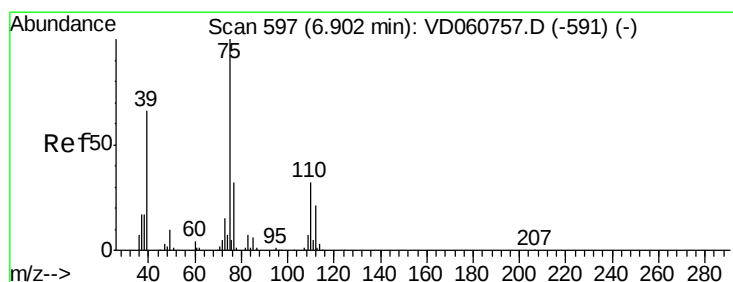
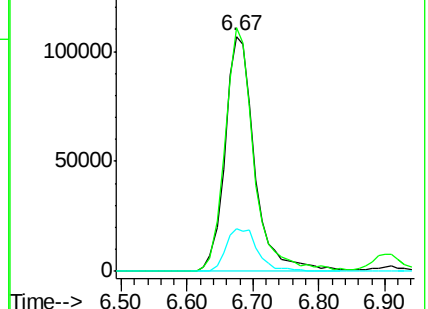
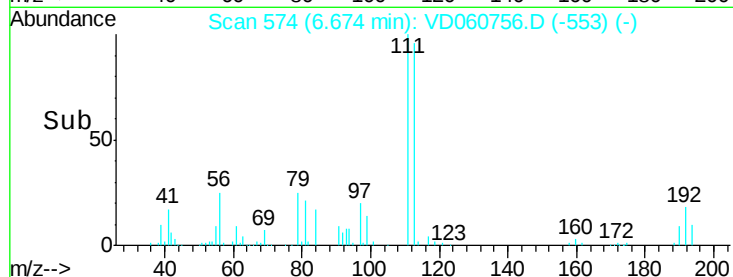
192 18.4 16.6 25.0



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: 20.507 ug/l

RT: 6.90 min Scan# 597

Delta R.T. 0.01 min

Lab File: VD060756.D

Acq: 18 Jan 2019 11:54

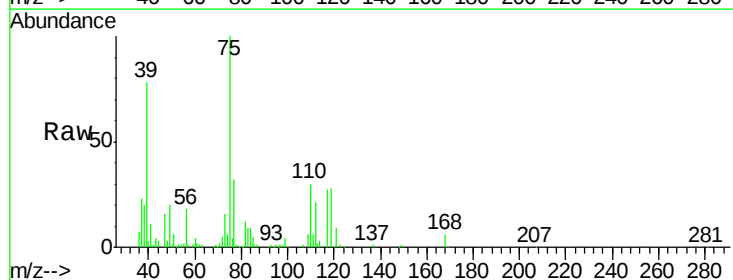
Tgt Ion: 75 Resp: 420341

Ion Ratio Lower Upper

75 100

110 30.4 18.9 56.7

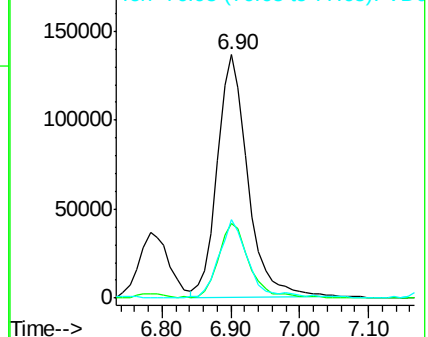
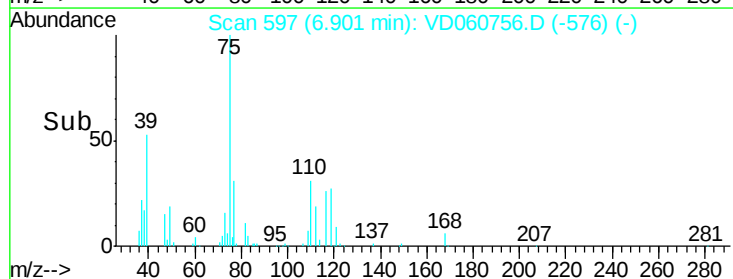
77 32.0 25.4 38.0

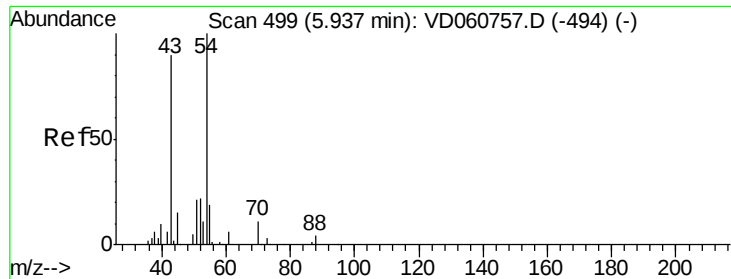


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

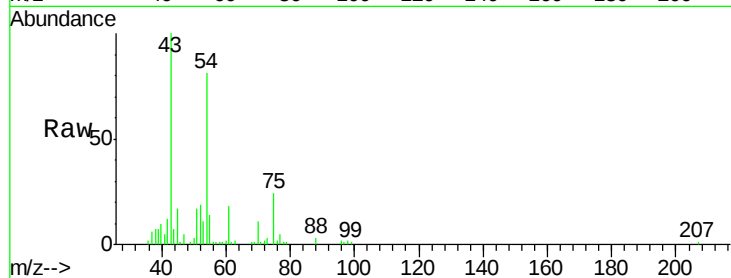




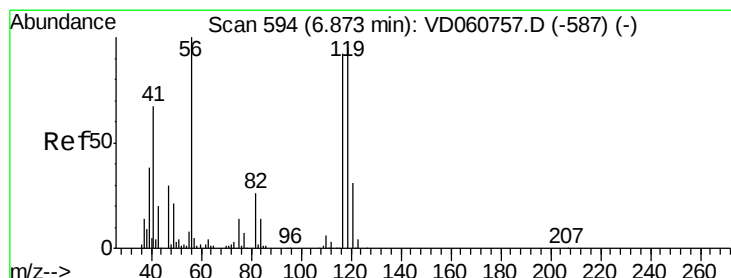
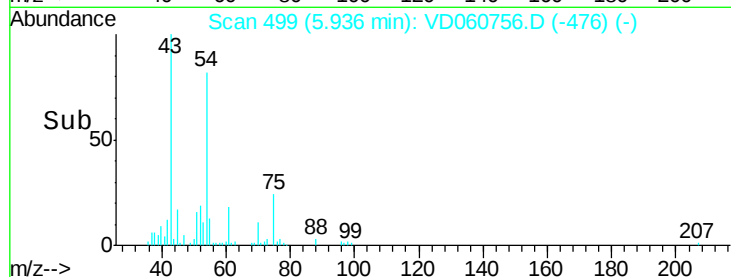
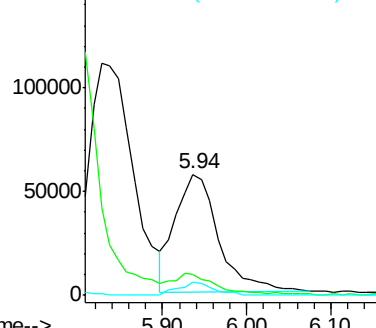
#37
Ethyl Acetate
Concen: 23.360 ug/l
RT: 5.94 min Scan# 499
Delta R.T. 0.03 min
Lab File: VD060756.D
Acq: 18 Jan 2019 11:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 200257
Ion Ratio Lower Upper
43 100
61 17.7 11.8 17.6#
70 10.9 5.8 8.6#

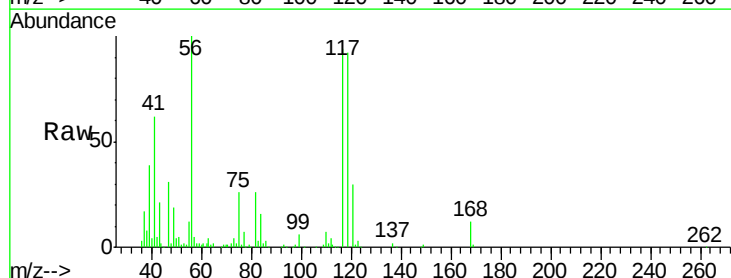


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

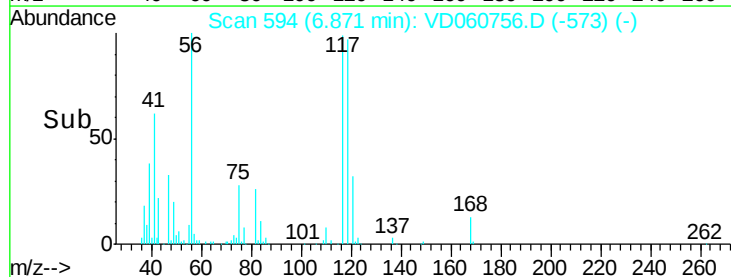
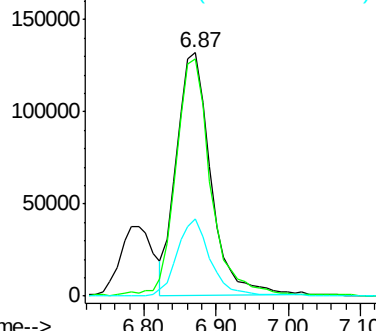


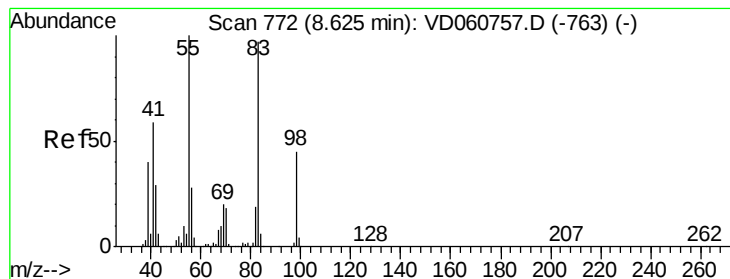
#38
Carbon Tetrachloride
Concen: 23.745 ug/l
RT: 6.87 min Scan# 594
Delta R.T. 0.01 min
Lab File: VD060756.D
Acq: 18 Jan 2019 11:54

Tgt Ion: 117 Resp: 429392
Ion Ratio Lower Upper
117 100
119 97.5 77.0 115.4
121 31.9 24.7 37.1



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

Methvlcvclohexane

Concen: 17.871 ug/l

RT: 8.62 min Scan# 772

Delta R.T. 0.01 min

Lab File: VD060756.D

Acq: 18 Jan 2019 11:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

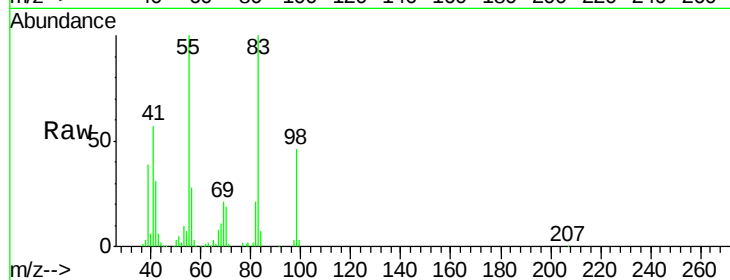
Tot Ion: 83 Resp: 417785

Ion Ratio Lower Upper

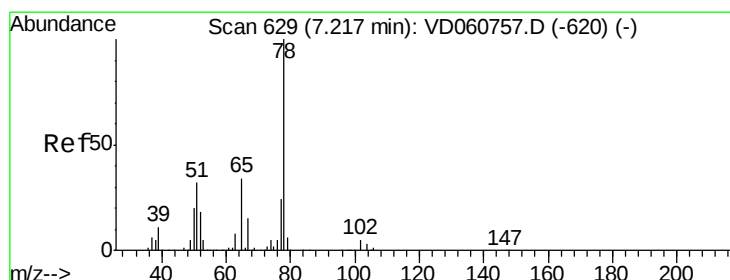
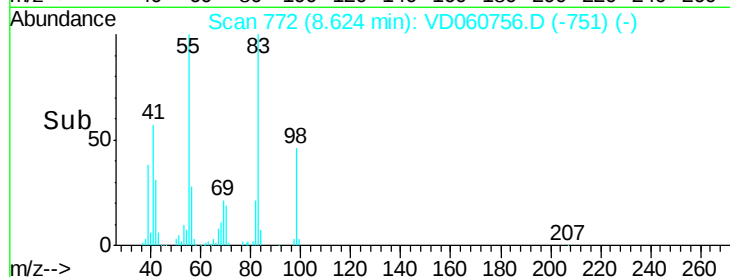
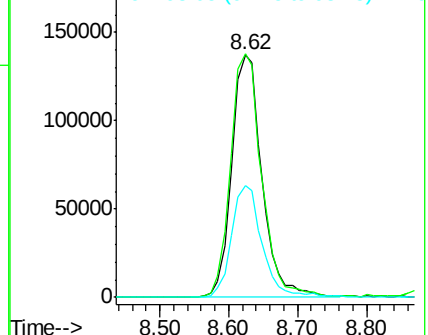
83 100

55 100.3 68.6 102.8

98 45.8 38.1 57.1



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



#40

Benzene

Concen: 18.967 ug/l

RT: 7.21 min Scan# 628

Delta R.T. 0.01 min

Lab File: VD060756.D

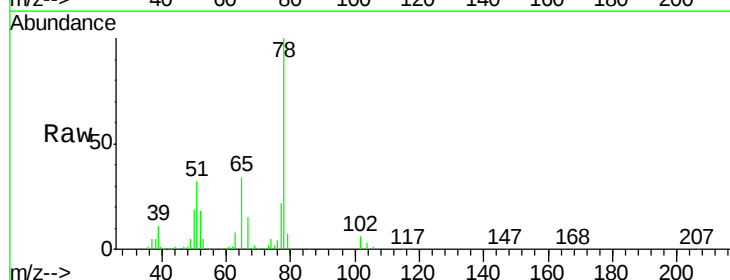
Acq: 18 Jan 2019 11:54

Tgt Ion: 78 Resp: 1004258

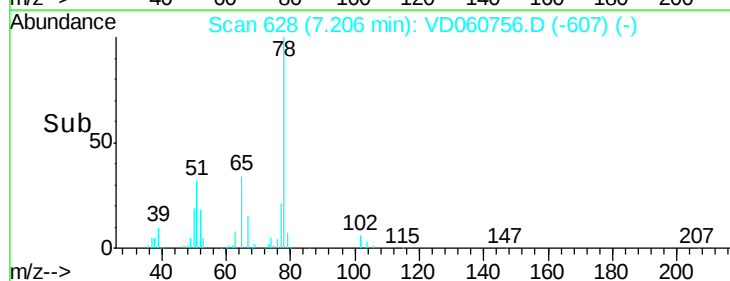
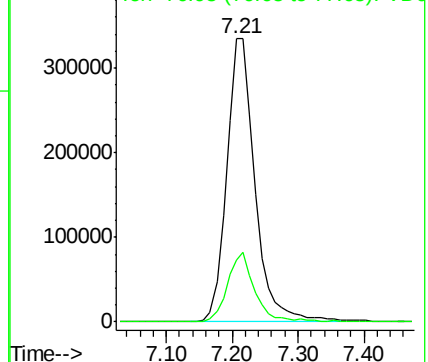
Ion Ratio Lower Upper

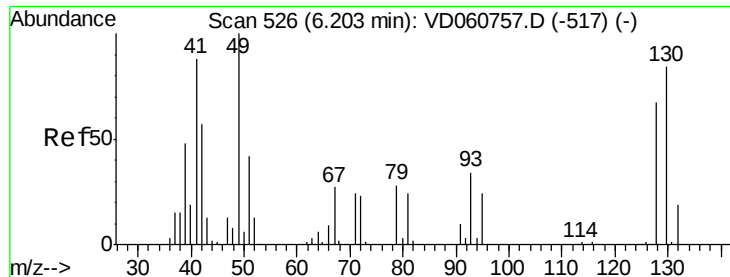
78 100

77 21.7 19.2 28.8



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

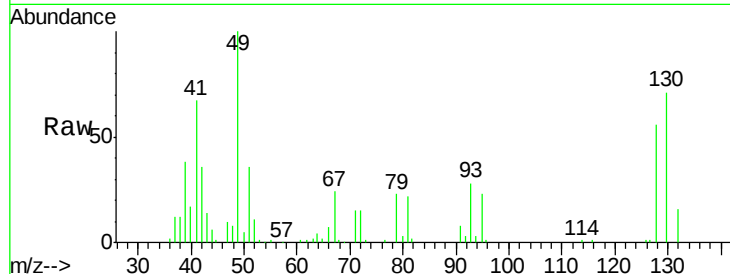




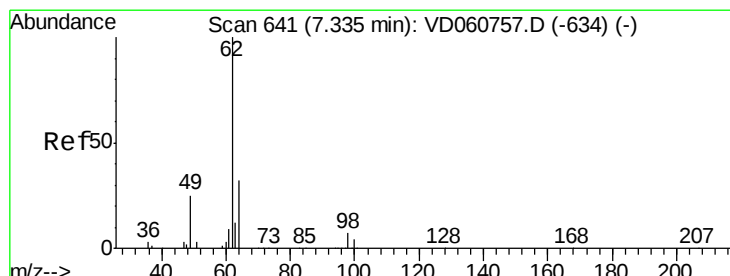
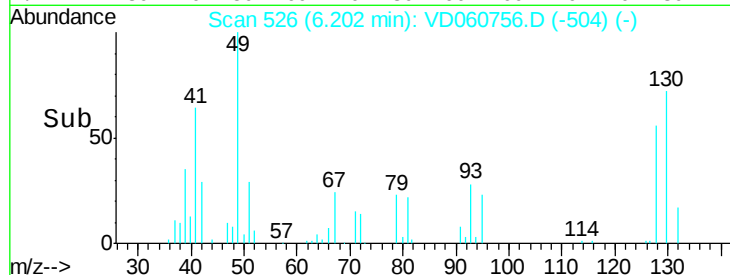
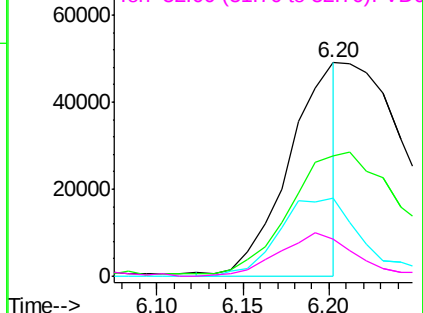
#41
Methacrylonitrile
Concen: 20.844 ug/l m
RT: 6.20 min Scan# 526
Delta R.T. 0.02 min
Lab File: VD060756.D
Acq: 18 Jan 2019 11:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion:	41	Resp:	98839
Ion	Ratio	Lower	Upper
41	100		
39	56.3	37.6	56.4
67	36.6	33.0	49.6
52	17.2	15.5	23.3

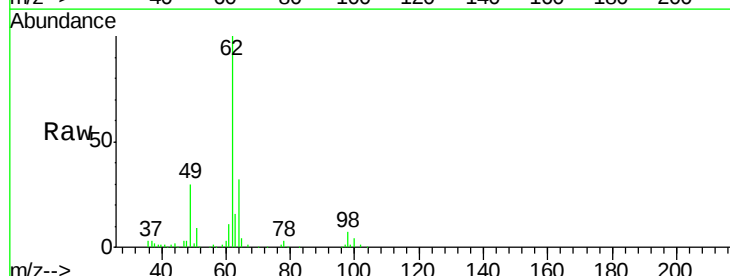


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

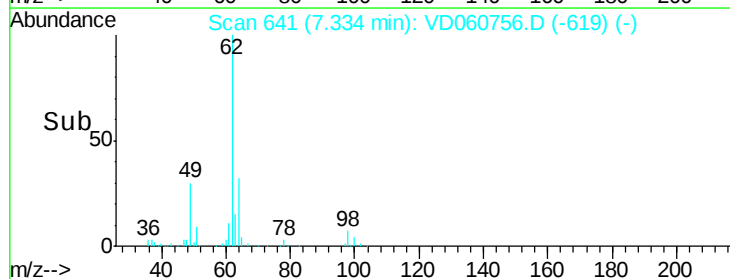
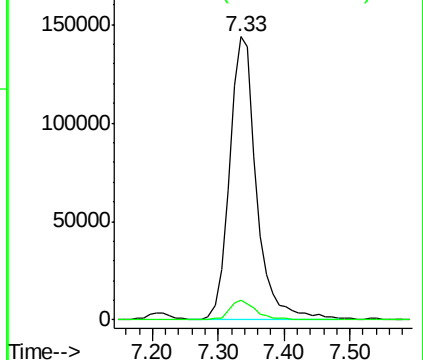


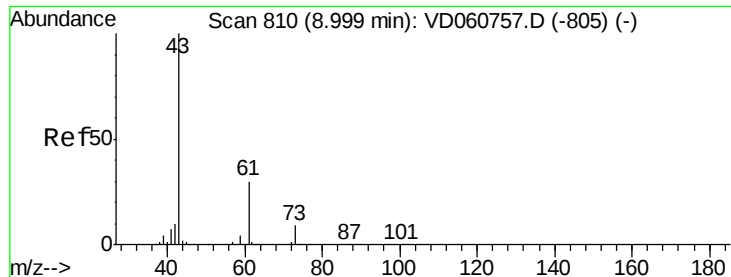
#42
1,2-Dichloroethane
Concen: 31.453 ug/l
RT: 7.33 min Scan# 641
Delta R.T. 0.02 min
Lab File: VD060756.D
Acq: 18 Jan 2019 11:54

Tgt Ion:	62	Resp:	413273
Ion	Ratio	Lower	Upper
62	100		
98	6.8	0.0	20.4



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



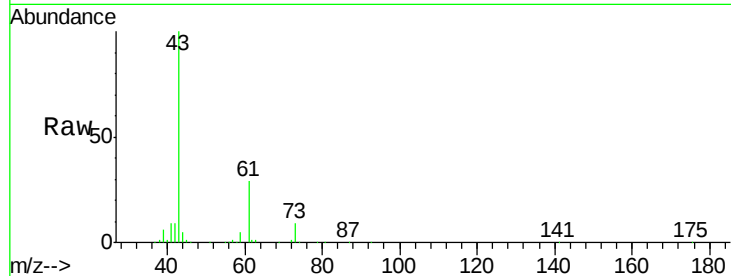


#43

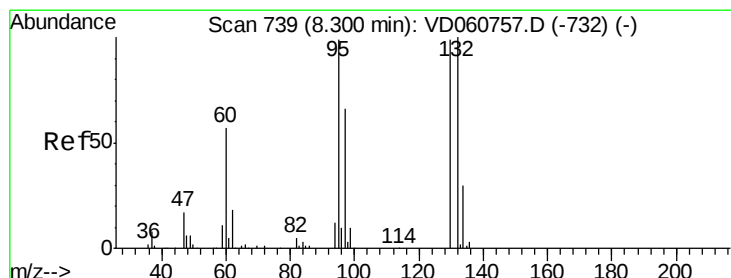
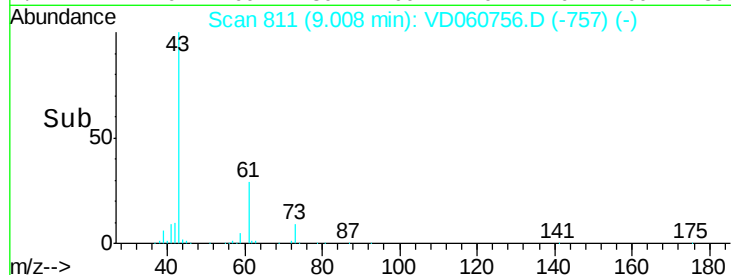
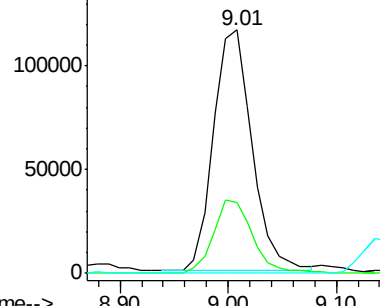
Isopropyl Acetate
 Concen: 26.125 ug/l
 RT: 9.01 min Scan# 811
 Delta R.T. 0.03 min
 Lab File: VD060756.D
 Acq: 18 Jan 2019 11:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion: 43 Resp: 287399
 Ion Ratio Lower Upper
 43 100
 61 29.3 21.8 32.8
 87 0.3 0.2 0.4



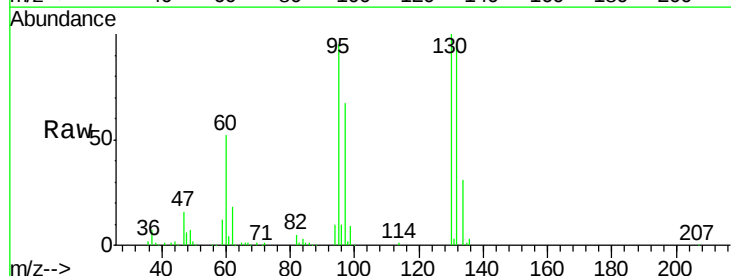
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



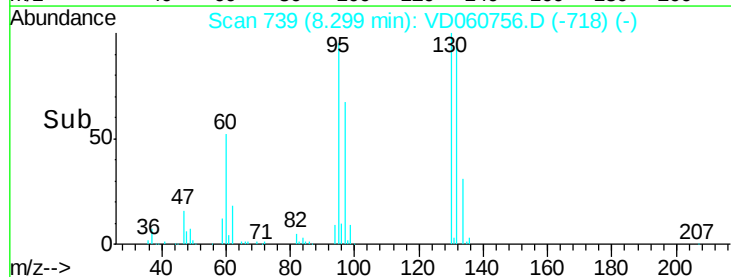
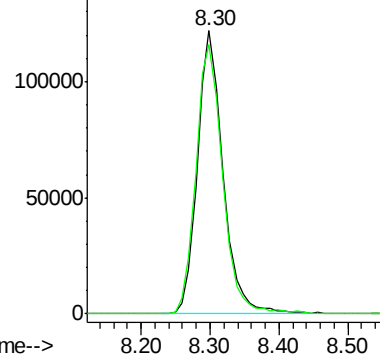
#44

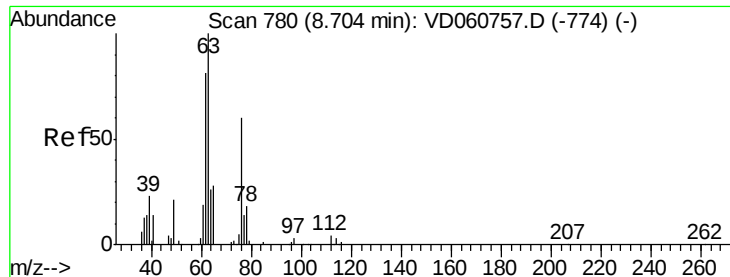
Trichloroethene
 Concen: 20.008 ug/l
 RT: 8.30 min Scan# 739
 Delta R.T. 0.01 min
 Lab File: VD060756.D
 Acq: 18 Jan 2019 11:54

Tgt Ion: 130 Resp: 313546
 Ion Ratio Lower Upper
 130 100
 95 95.1 0.0 193.6



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





#45

1,2-Dichloropropane

Concen: 20.762 ug/l

RT: 8.70 min Scan# 780

Delta R.T. 0.02 min

Lab File: VD060756.D

Acq: 18 Jan 2019 11:54

Instrument :

MSVOA_D

ClientSampleId :

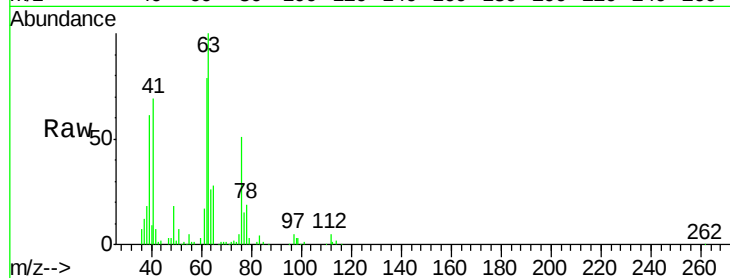
VSTDIC020

Tot Ion: 63 Resp: 269584

Ion Ratio Lower Upper

63 100

65 28.2 25.0 37.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.70

100000

80000

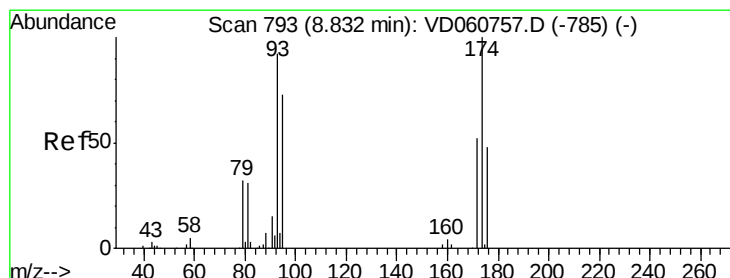
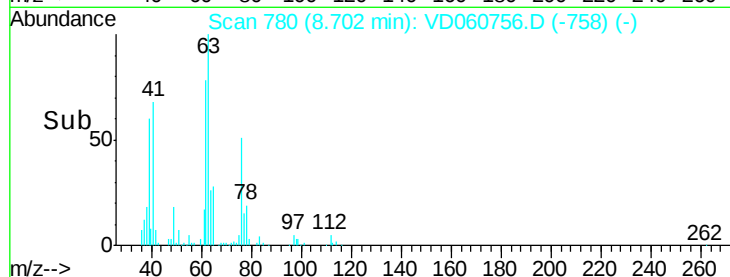
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 24.124 ug/l

RT: 8.82 min Scan# 792

Delta R.T. 0.01 min

Lab File: VD060756.D

Acq: 18 Jan 2019 11:54

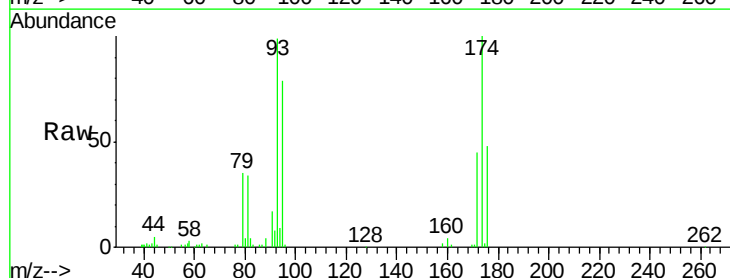
Tgt Ion: 93 Resp: 178778

Ion Ratio Lower Upper

93 100

95 80.0 68.8 103.2

174 100.7 93.0 139.4



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

8.82

100000

80000

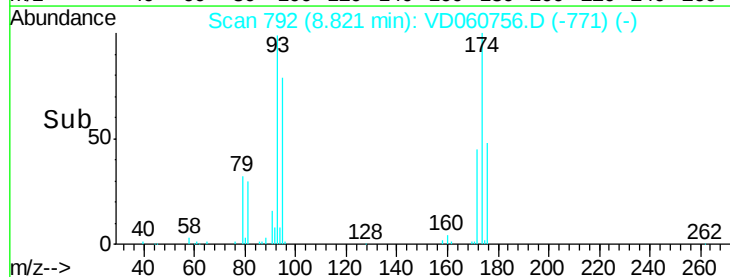
60000

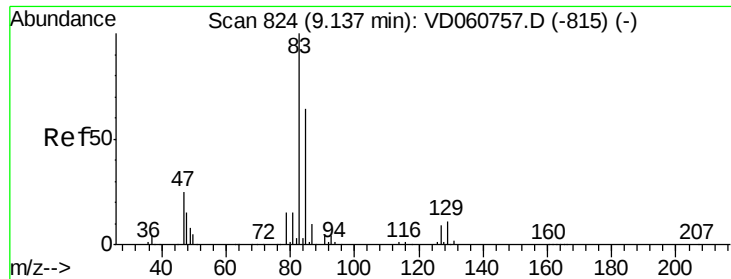
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 24.274 ug/l

RT: 9.14 min Scan# 824

Delta R.T. 0.01 min

Lab File: VD060756.D

Acq: 18 Jan 2019 11:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

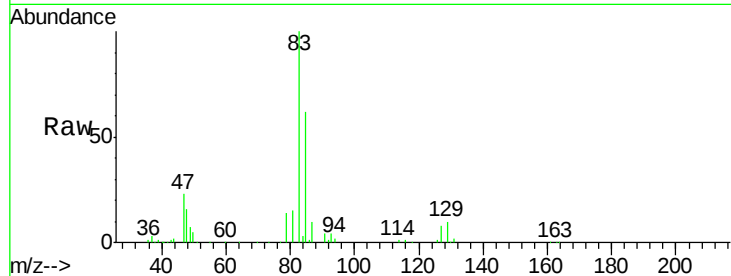
Tot Ion: 83 Resp: 426065

Ion Ratio Lower Upper

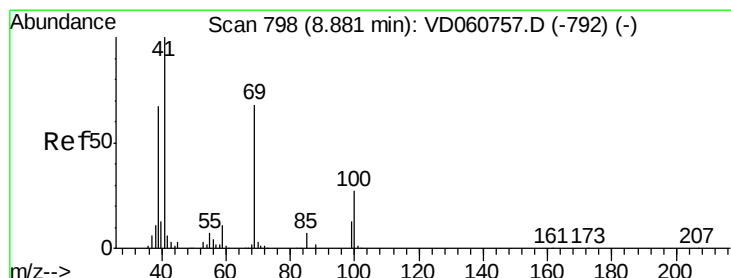
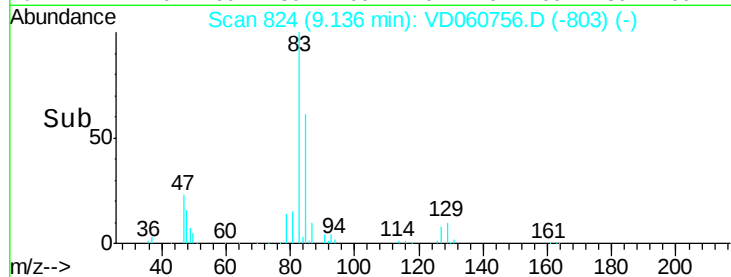
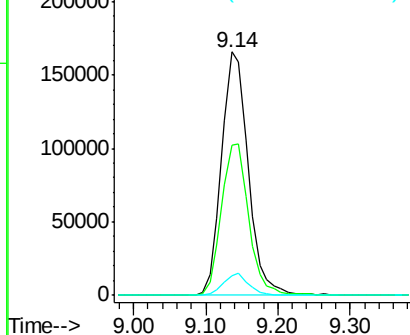
83 100

85 61.7 51.1 76.7

127 8.1 7.0 10.6



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: 26.624 ug/l

RT: 8.89 min Scan# 799

Delta R.T. 0.03 min

Lab File: VD060756.D

Acq: 18 Jan 2019 11:54

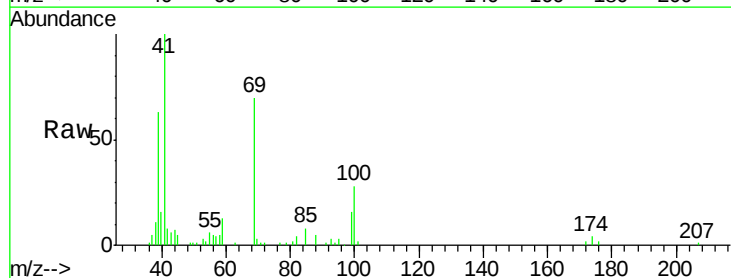
Tgt Ion: 41 Resp: 177893

Ion Ratio Lower Upper

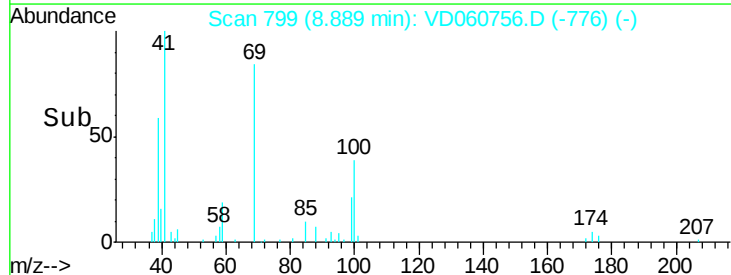
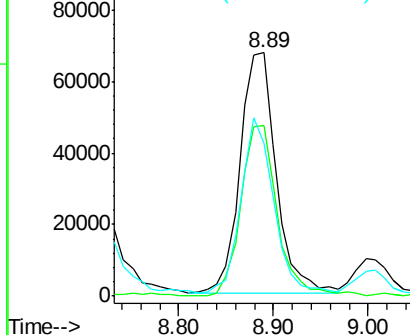
41 100

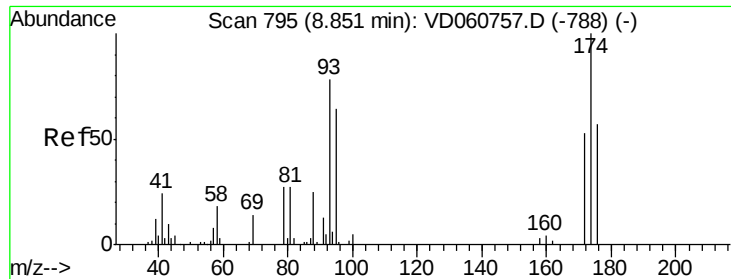
69 70.2 51.2 76.8

39 62.9 44.6 67.0



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 535.382 ug/l

RT: 8.85 min Scan# 795

Delta R.T. 0.03 min

Lab File: VD060756.D

Acq: 18 Jan 2019 11:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

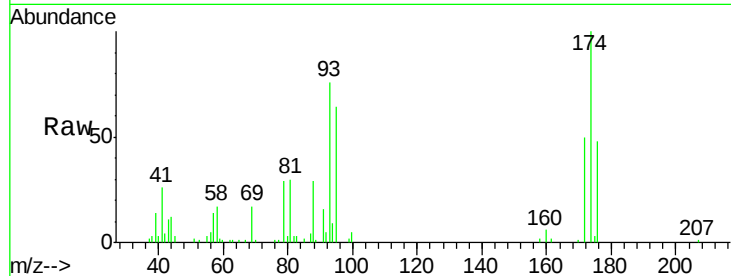
Tot Ion: 88 Resp: 33261

Ion Ratio Lower Upper

88 100

43 36.1 31.5 47.3

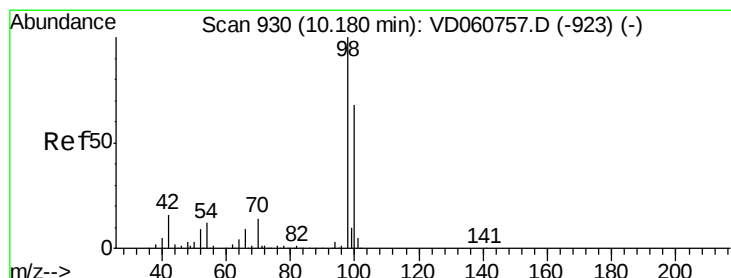
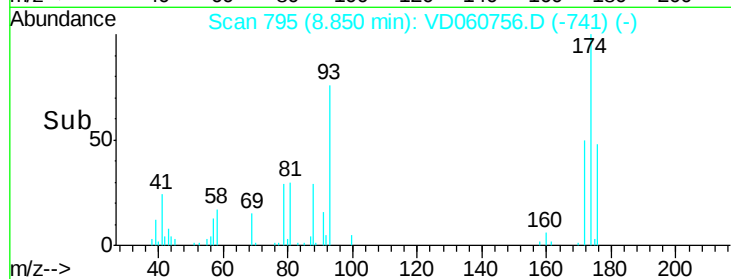
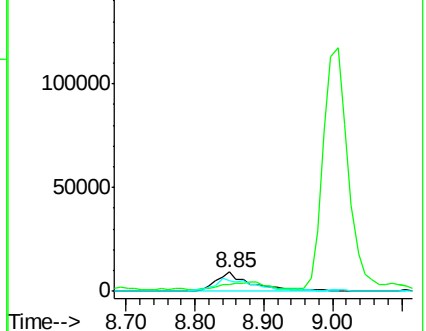
58 57.0 50.6 76.0



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 535.382 ug/l

RT: 10.18 min Scan# 930

Delta R.T. 0.01 min

Lab File: VD060756.D

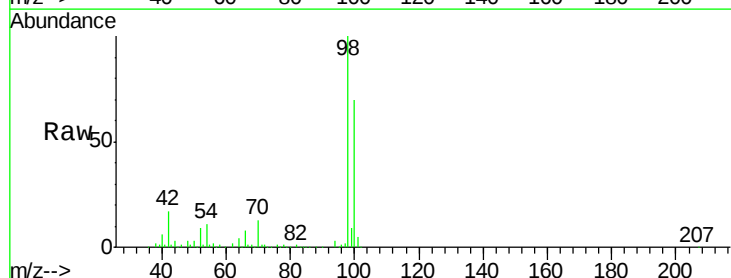
Acq: 18 Jan 2019 11:54

Tgt Ion: 98 Resp: 874753

Ion Ratio Lower Upper

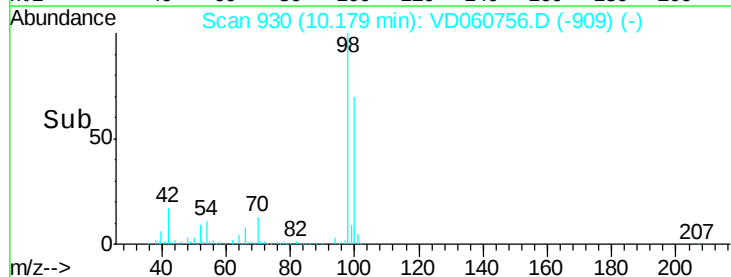
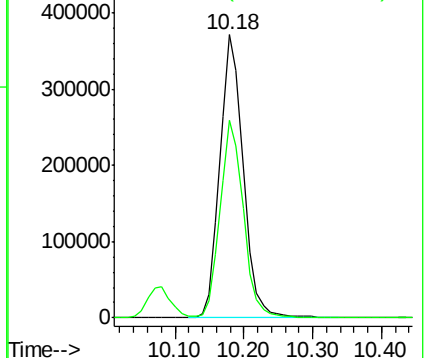
98 100

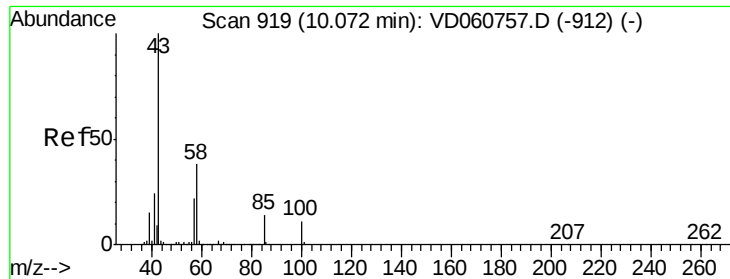
100 69.7 55.8 83.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 133.882 ug/l

RT: 10.07 min Scan# 919

Delta R.T. 0.02 min

Lab File: VD060756.D

Acq: 18 Jan 2019 11:54

Instrument :

MSVOA_D

ClientSampleId :

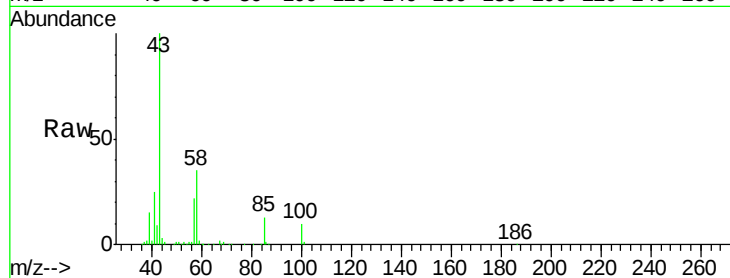
VSTDIC020

Tot Ion: 43 Resp: 902375

Ion Ratio Lower Upper

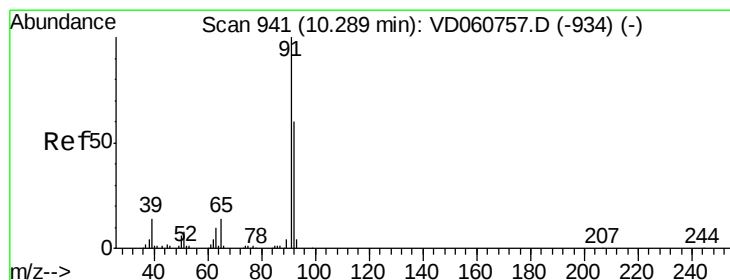
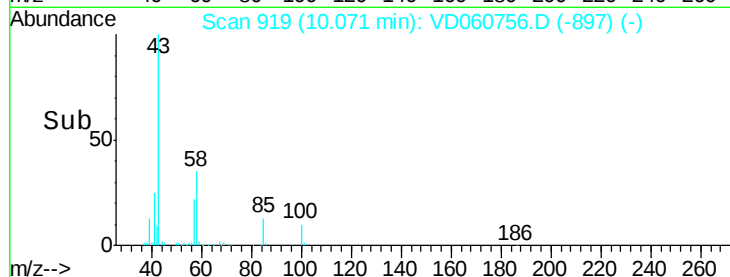
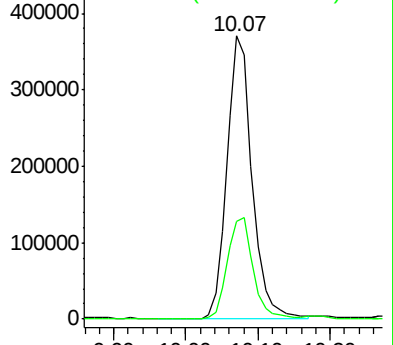
43 100

58 34.6 26.3 39.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 19.403 ug/l

RT: 10.28 min Scan# 940

Delta R.T. 0.01 min

Lab File: VD060756.D

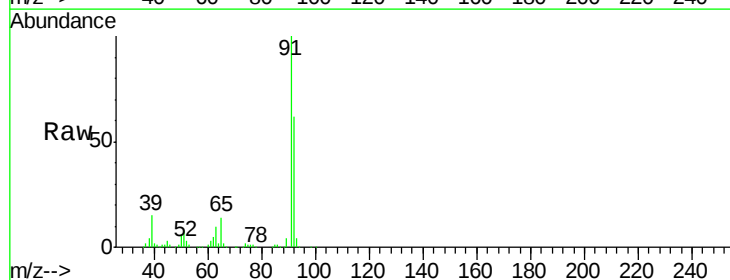
Acq: 18 Jan 2019 11:54

Tgt Ion: 92 Resp: 644026

Ion Ratio Lower Upper

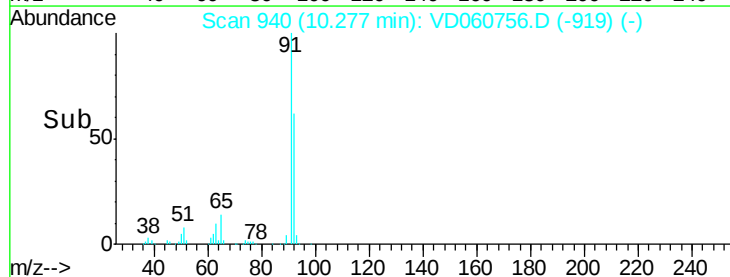
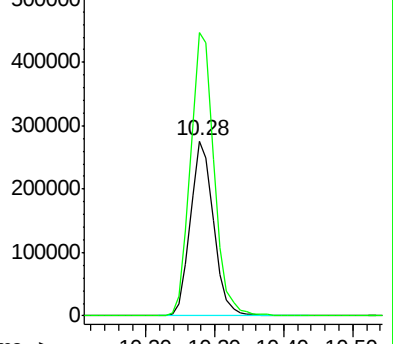
92 100

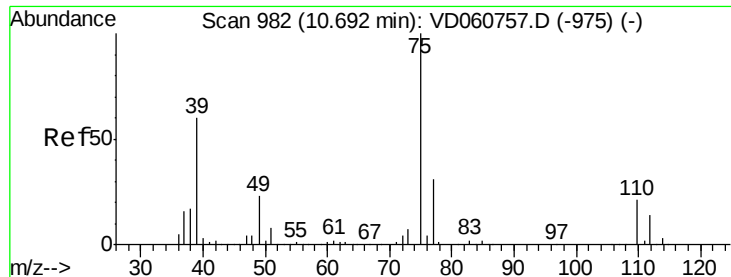
91 162.1 132.6 199.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

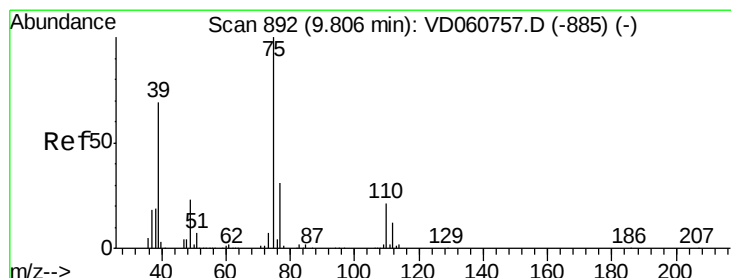
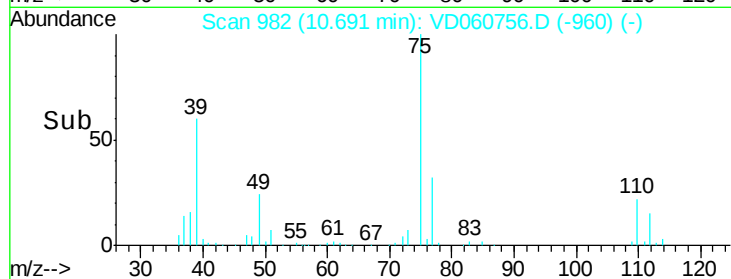
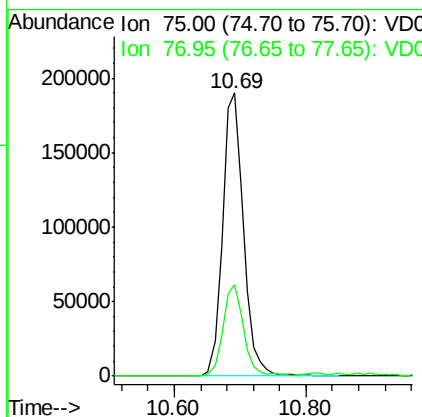
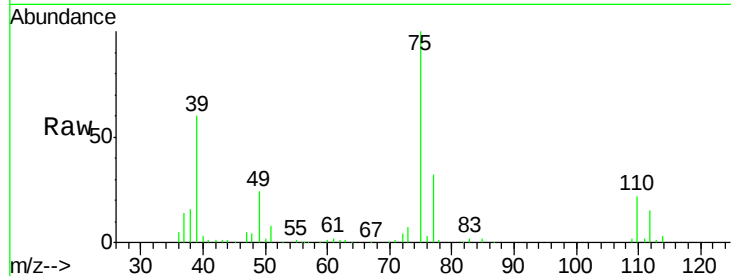




#53
 t-1,3-Dichloropropene
 Concen: 28.715 ug/l
 RT: 10.69 min Scan# 982
 Delta R.T. 0.02 min
 Lab File: VD060756.D
 Acq: 18 Jan 2019 11:54

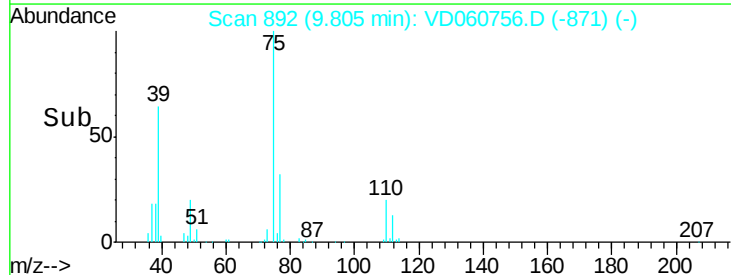
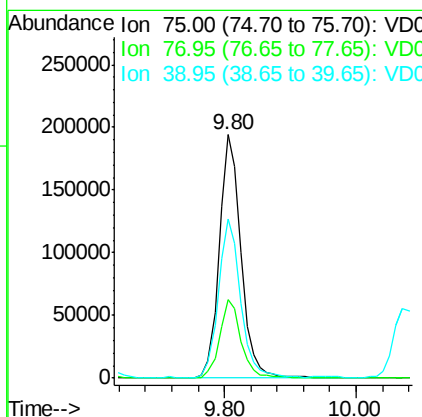
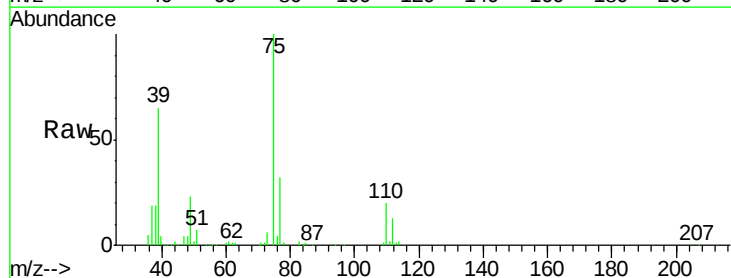
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

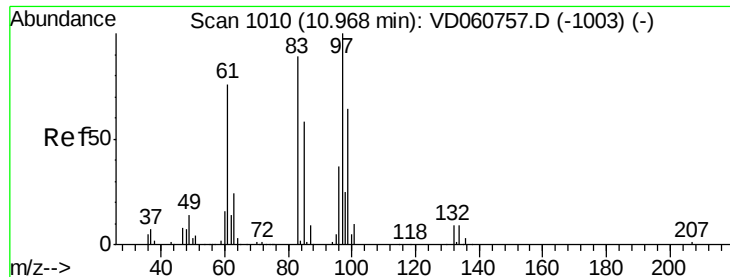
Tot Ion: 75 Resp: 420487
 Ion Ratio Lower Upper
 75 100
 77 32.2 26.0 39.0



#54
 cis-1,3-Dichloropropene
 Concen: 23.229 ug/l
 RT: 9.80 min Scan# 892
 Delta R.T. 0.01 min
 Lab File: VD060756.D
 Acq: 18 Jan 2019 11:54

Tgt Ion: 75 Resp: 445228
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.4 38.2
 39 65.2 47.0 70.4

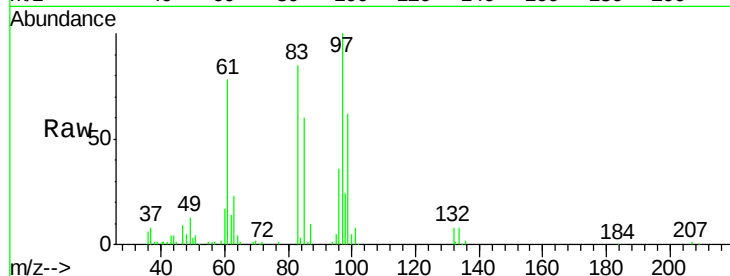




#55
 1,1,2-Trichloroethane
 Concen: 21.654 ug/l
 RT: 10.97 min Scan# 1010
 Delta R.T. 0.01 min
 Lab File: VD060756.D
 Acq: 18 Jan 2019 11:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	97	Resp	193387
Ion	Ratio	Lower	Upper
97	100		
83	85.3	70.0	105.0
85	60.5	46.6	70.0
99	62.3	49.6	74.4

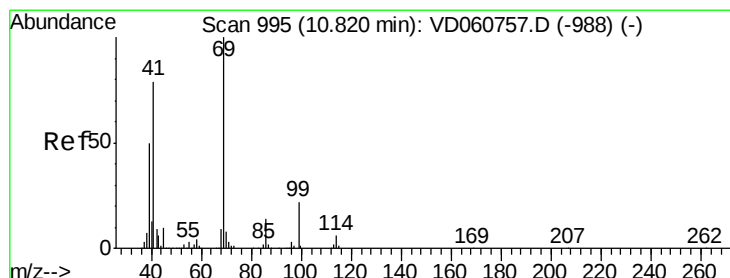
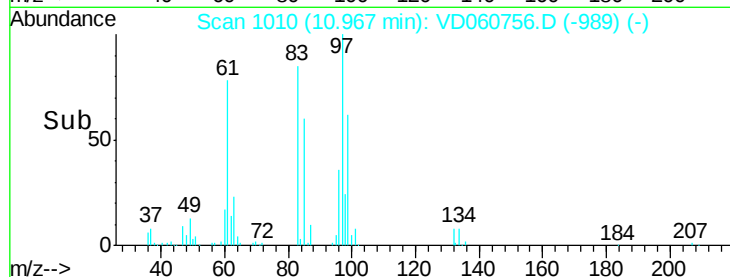
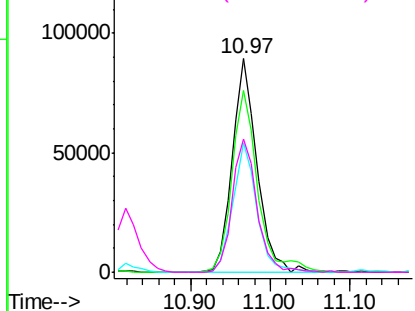


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

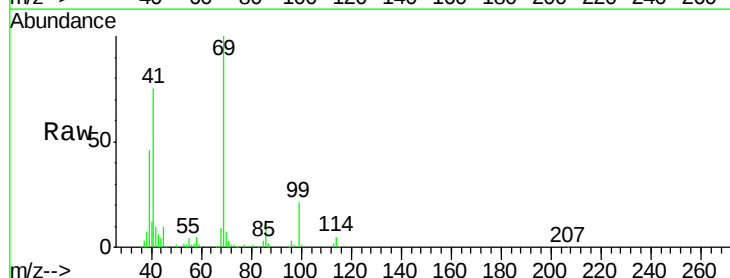
Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56
 Ethyl methacrylate
 Concen: 32.045 ug/l
 RT: 10.82 min Scan# 995
 Delta R.T. 0.02 min
 Lab File: VD060756.D
 Acq: 18 Jan 2019 11:54

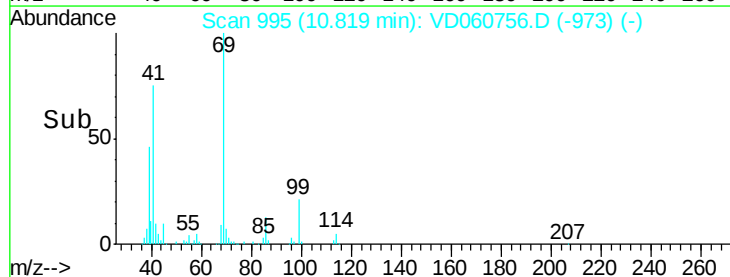
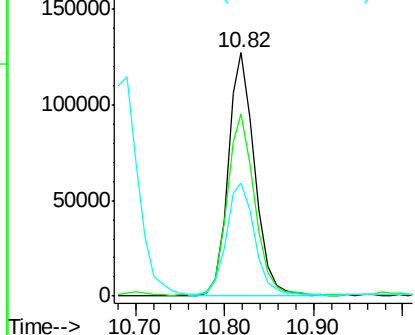
Tgt Ion	69	Resp	265816
Ion	Ratio	Lower	Upper
69	100		
41	74.8	68.3	102.5
39	46.4	37.2	55.8

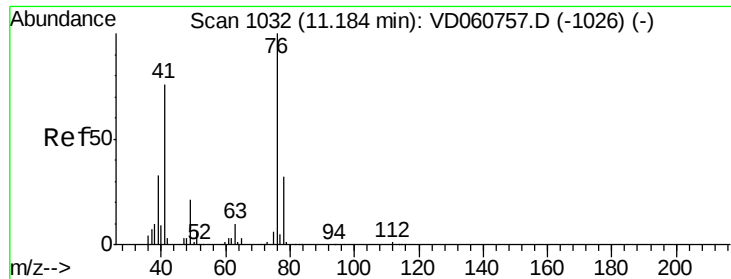


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 24.778 ug/l

RT: 11.19 min Scan# 1033

Delta R.T. 0.02 min

Lab File: VD060756.D

Acq: 18 Jan 2019 11:54

Instrument :

MSVOA_D

ClientSampleId :

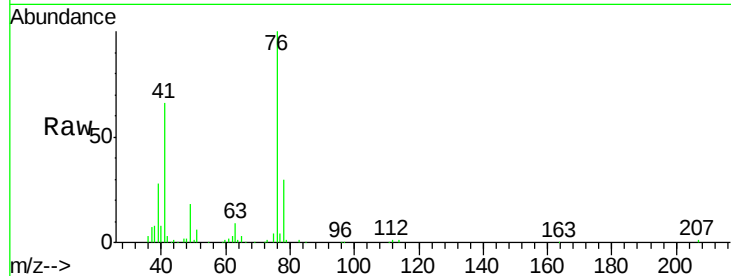
VSTDIC020

Tot Ion: 76 Resp: 350740

Ion Ratio Lower Upper

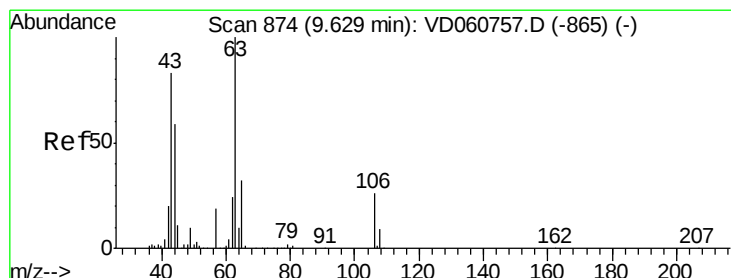
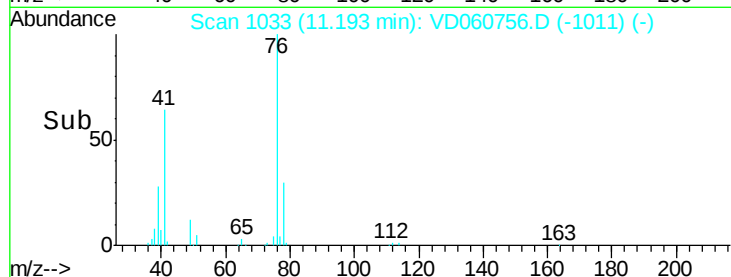
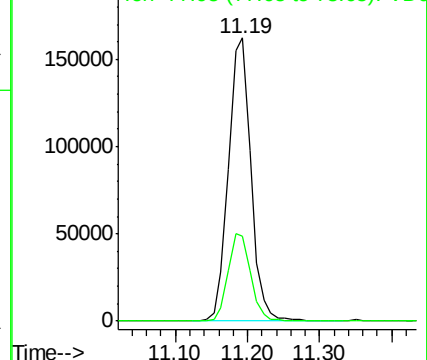
76 100

78 30.2 26.1 39.1



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: 134.521 ug/l

RT: 9.63 min Scan# 874

Delta R.T. 0.02 min

Lab File: VD060756.D

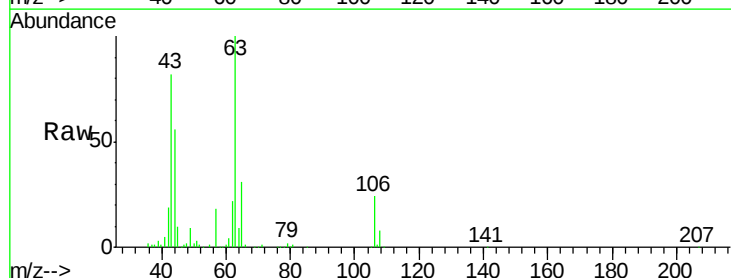
Acq: 18 Jan 2019 11:54

Tgt Ion: 63 Resp: 657489

Ion Ratio Lower Upper

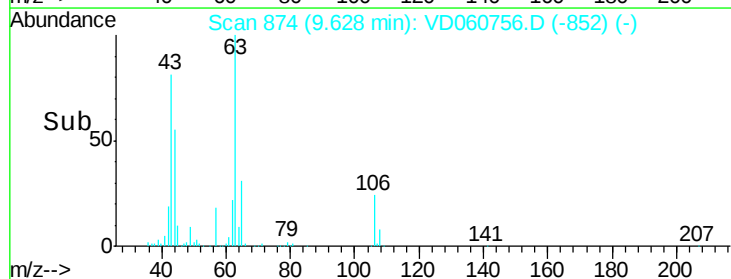
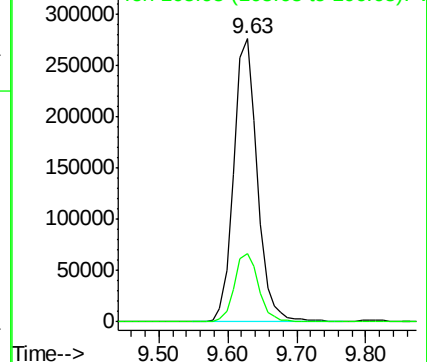
63 100

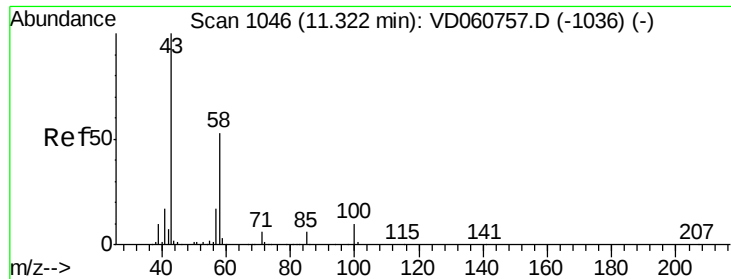
106 24.2 22.4 33.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

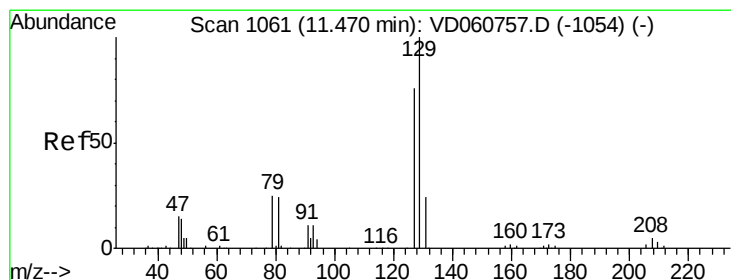
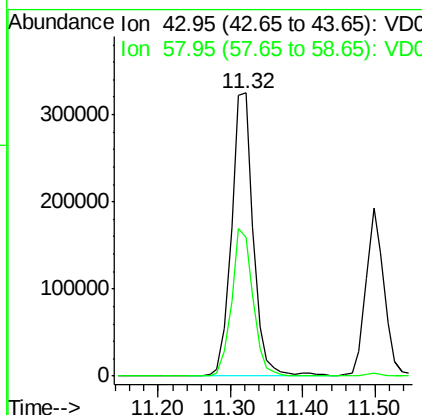
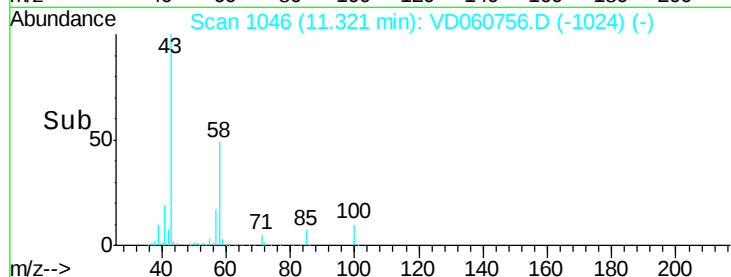
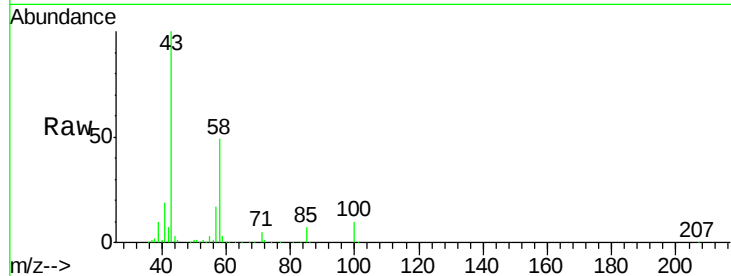




#59
2-Hexanone
Concen: 144.119 ug/l
RT: 11.32 min Scan# 1046
Delta R.T. 0.02 min
Lab File: VD060756.D
Acq: 18 Jan 2019 11:54

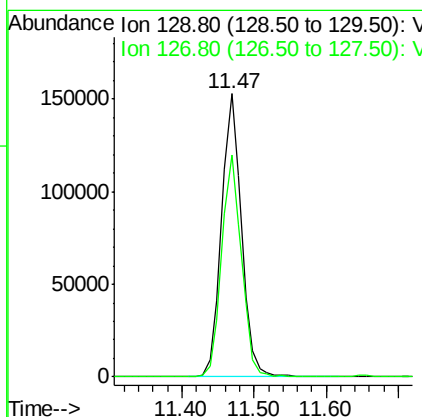
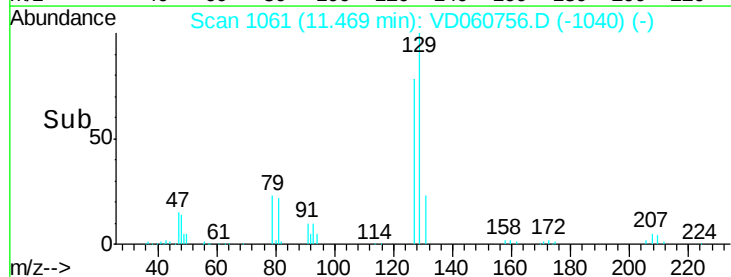
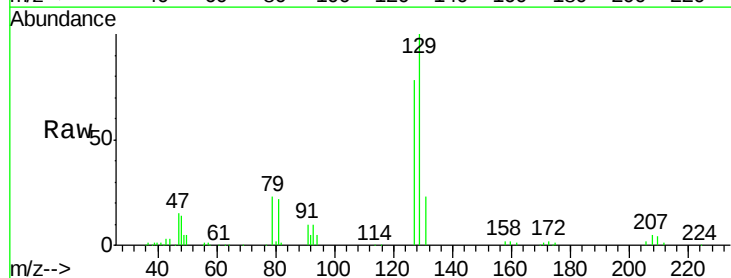
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

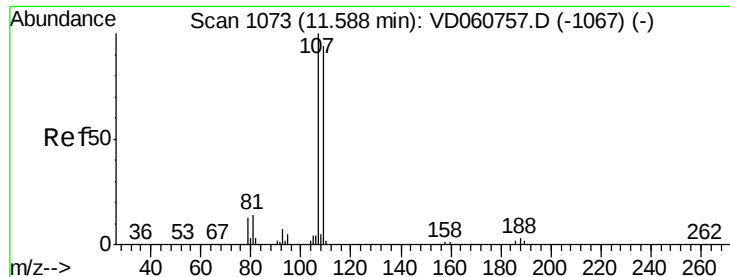
Tot Ion: 43 Resp: 679925
Ion Ratio Lower Upper
43 100
58 49.0 23.5 70.5



#60
Dibromochloromethane
Concen: 25.610 ug/l
RT: 11.47 min Scan# 1061
Delta R.T. 0.01 min
Lab File: VD060756.D
Acq: 18 Jan 2019 11:54

Tgt Ion: 129 Resp: 291329
Ion Ratio Lower Upper
129 100
127 78.4 37.6 112.9





#61

1,2-Dibromoethane

Concen: 22.941 ug/l

RT: 11.59 min Scan# 1073

Delta R.T. 0.01 min

Lab File: VD060756.D

Acq: 18 Jan 2019 11:54

Instrument :

MSVOA_D

ClientSampleId :

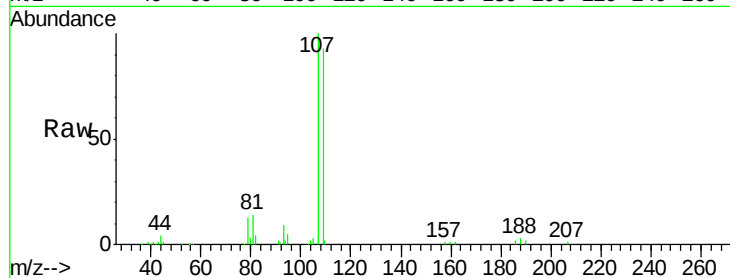
VSTDIC020

Tot Ion:107 Resp: 212507

Ion Ratio Lower Upper

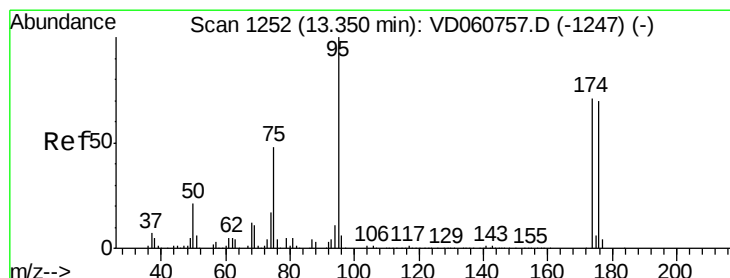
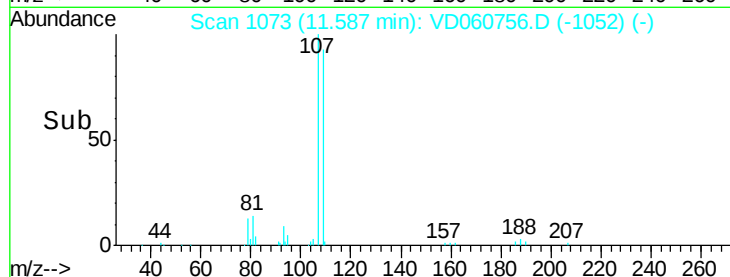
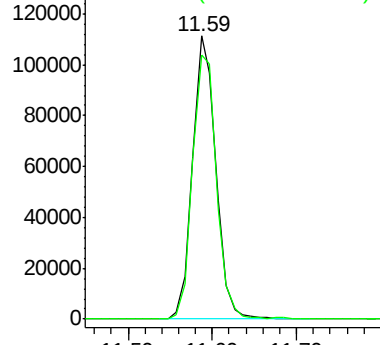
107 100

109 93.3 78.0 117.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 22.941 ug/l

RT: 13.35 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VD060756.D

Acq: 18 Jan 2019 11:54

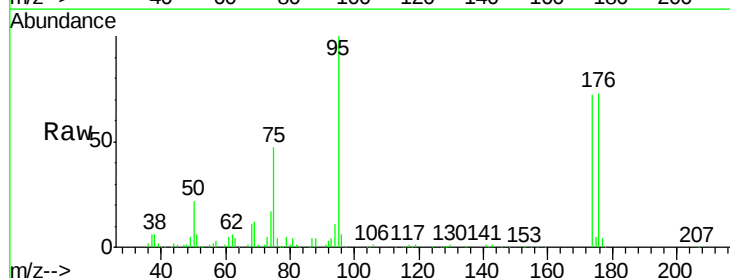
Tgt Ion: 95 Resp: 387598

Ion Ratio Lower Upper

95 100

174 71.7 0.0 158.2

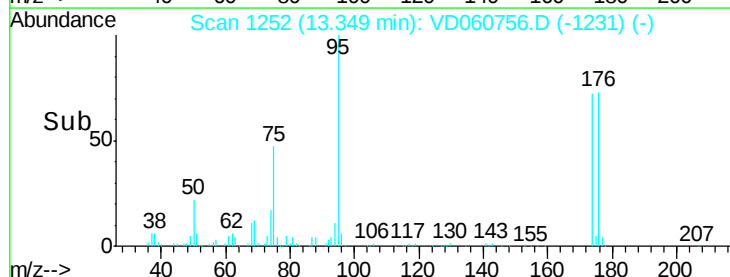
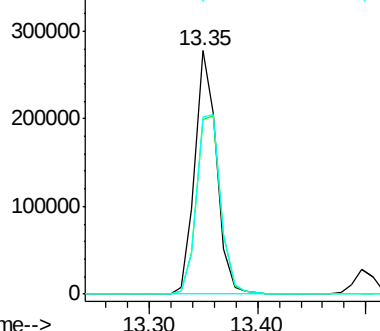
176 72.7 0.0 152.4

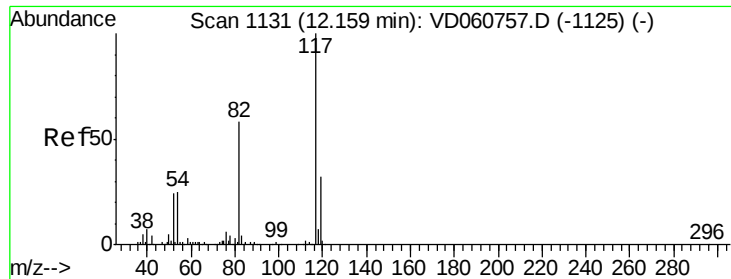


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

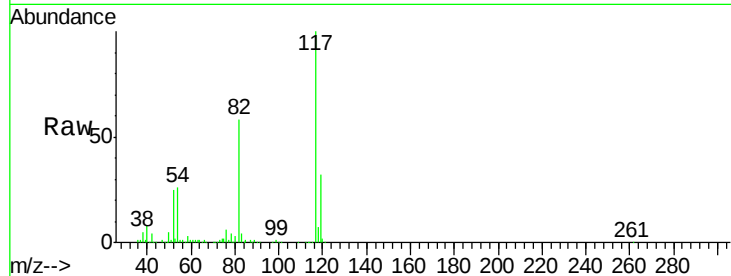




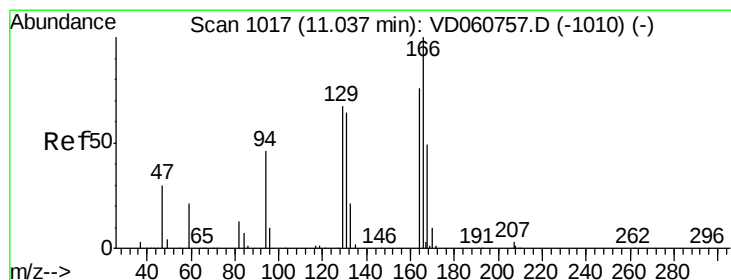
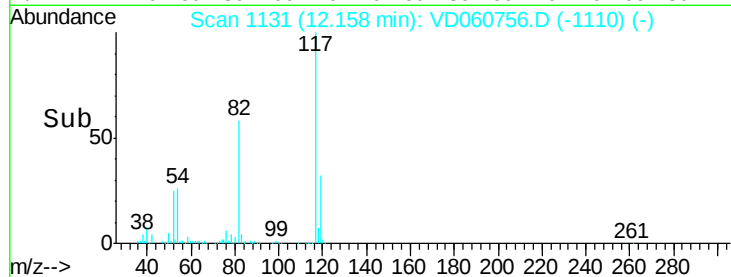
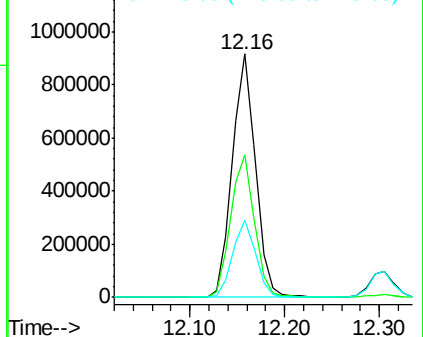
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.16 min Scan# 1131
Delta R.T. 0.01 min
Lab File: VD060756.D
Acq: 18 Jan 2019 11:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion:117 Resp: 1560411
Ion Ratio Lower Upper
117 100
82 58.4 44.5 66.7
119 31.7 26.3 39.5

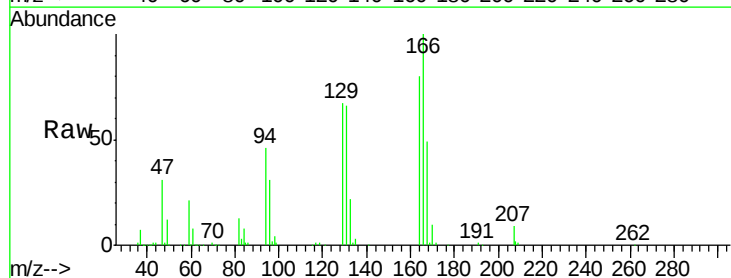


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

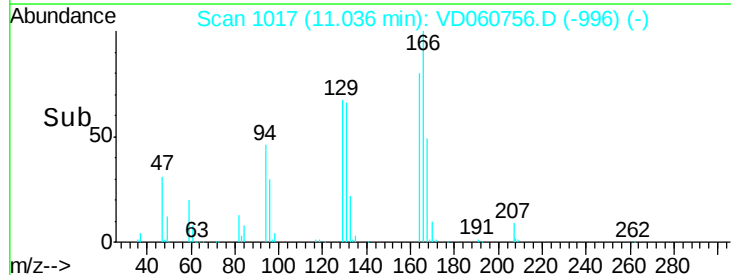
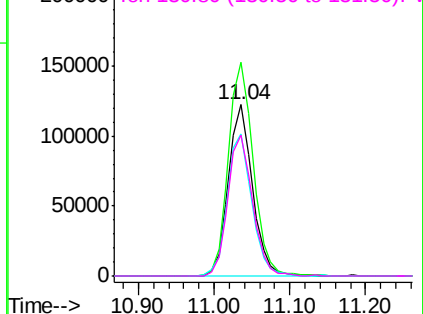


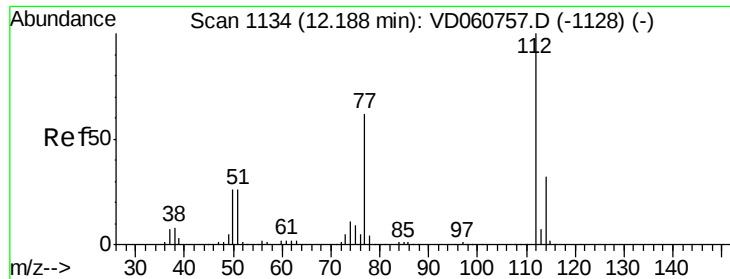
#64
Tetrachloroethene
Concen: 18.995 ug/l
RT: 11.04 min Scan# 1017
Delta R.T. 0.01 min
Lab File: VD060756.D
Acq: 18 Jan 2019 11:54

Tgt Ion:164 Resp: 268652
Ion Ratio Lower Upper
164 100
166 124.8 104.4 156.6
129 83.1 62.7 94.1
131 82.3 61.1 91.7



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

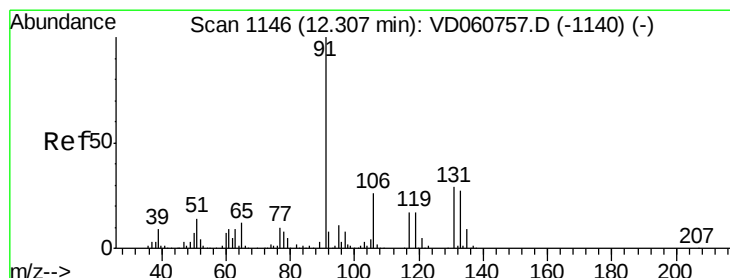
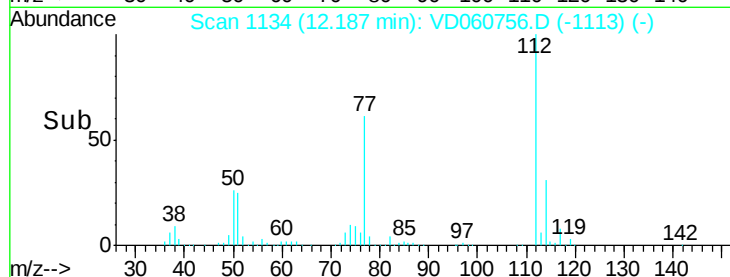
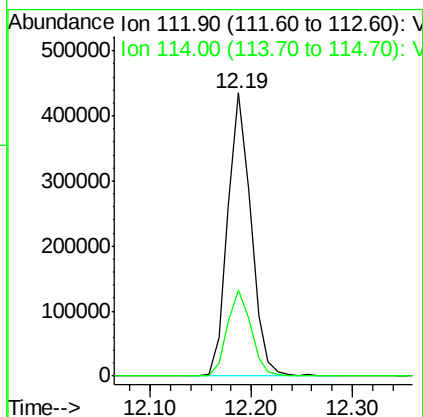
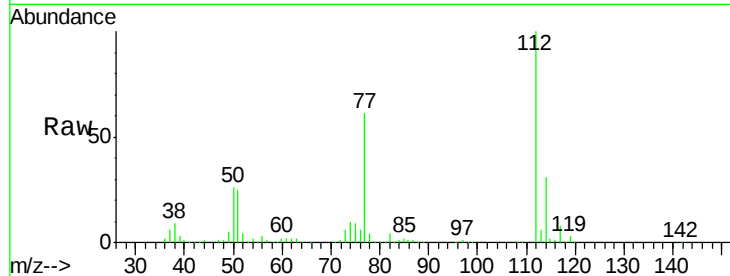




#65
Chlorobenzene
Concen: 20.184 ug/l
RT: 12.19 min Scan# 1134
Delta R.T. 0.01 min
Lab File: VD060756.D
Acq: 18 Jan 2019 11:54

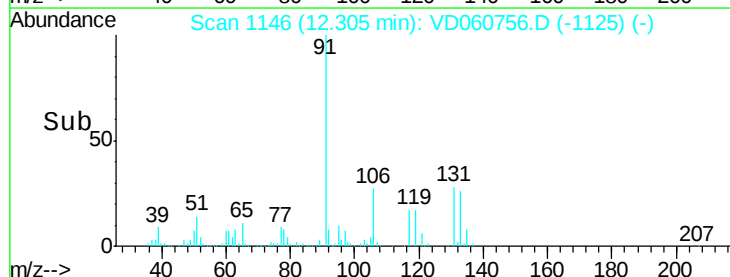
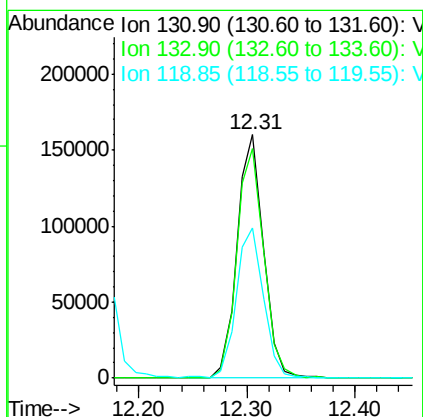
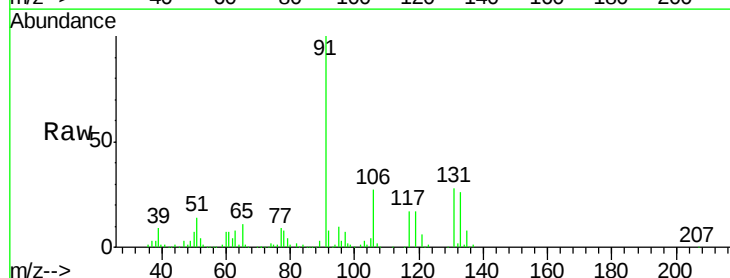
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

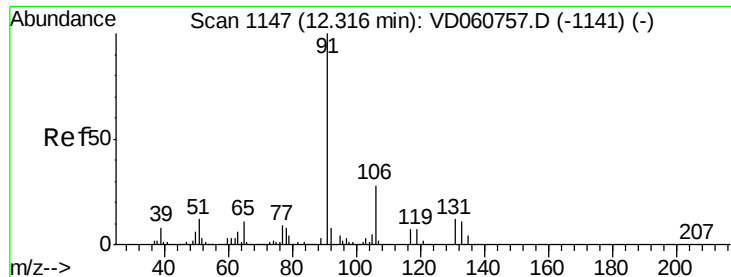
Tot Ion:112 Resp: 695837
Ion Ratio Lower Upper
112 100
114 30.6 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 24.399 ug/l
RT: 12.31 min Scan# 1146
Delta R.T. 0.01 min
Lab File: VD060756.D
Acq: 18 Jan 2019 11:54

Tgt Ion:131 Resp: 270454
Ion Ratio Lower Upper
131 100
133 94.2 49.1 147.3
119 61.9 36.6 109.8

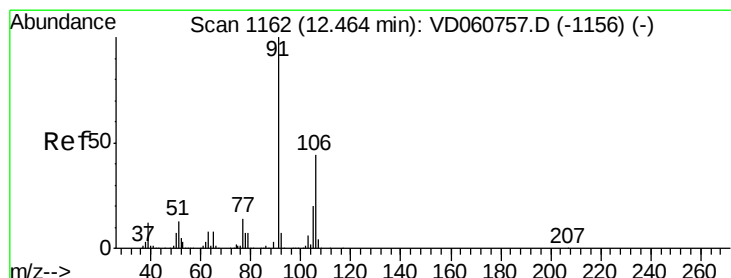
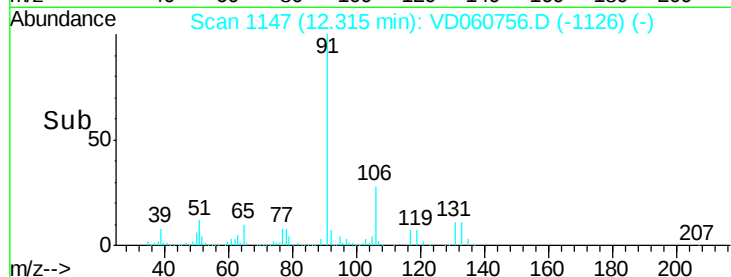
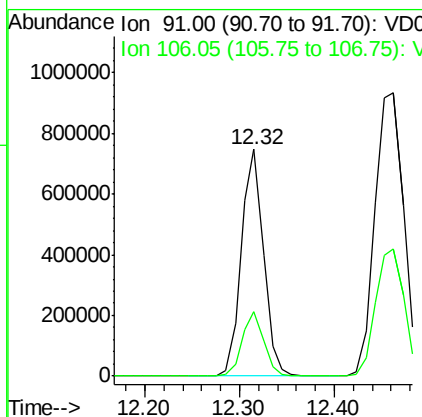
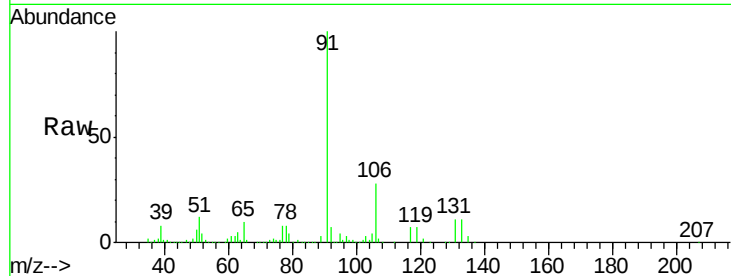




#67
Ethyl Benzene
Concen: 20.607 ug/l
RT: 12.32 min Scan# 1147
Delta R.T. 0.01 min
Lab File: VD060756.D
Acq: 18 Jan 2019 11:54

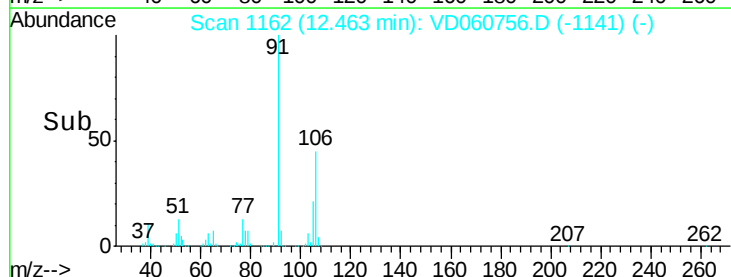
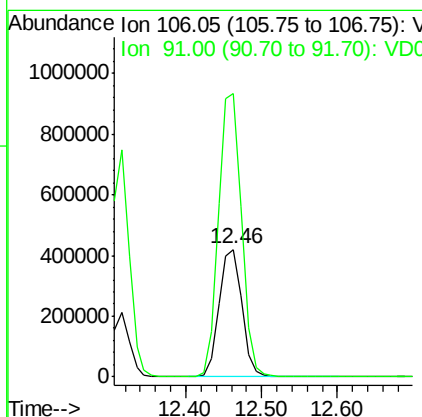
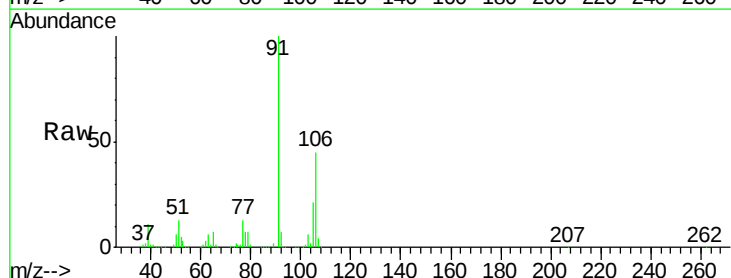
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

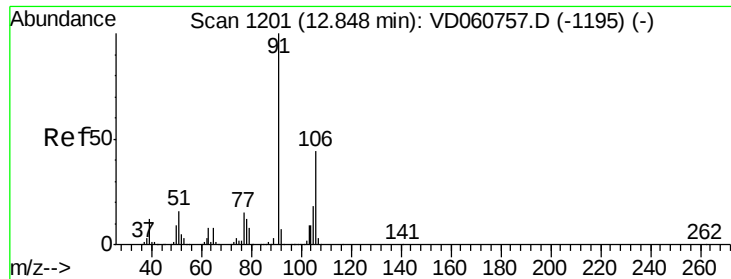
Tot Ion: 91 Resp: 1216677
Ion Ratio Lower Upper
91 100
106 28.4 24.6 36.8



#68
m/p-Xylenes
Concen: 40.961 ug/l
RT: 12.46 min Scan# 1162
Delta R.T. 0.01 min
Lab File: VD060756.D
Acq: 18 Jan 2019 11:54

Tgt Ion: 106 Resp: 883819
Ion Ratio Lower Upper
106 100
91 222.0 158.9 238.3

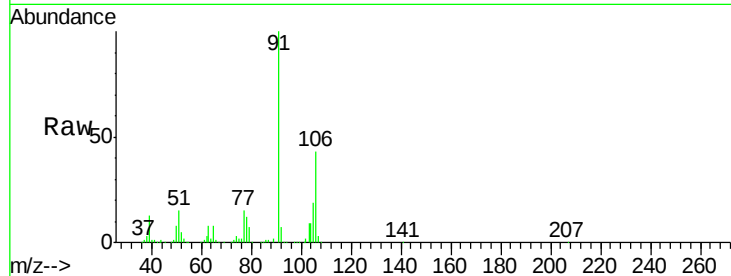




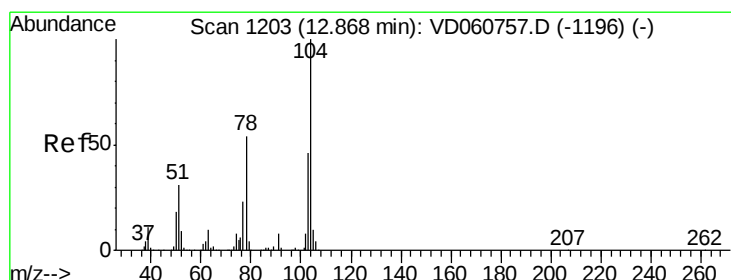
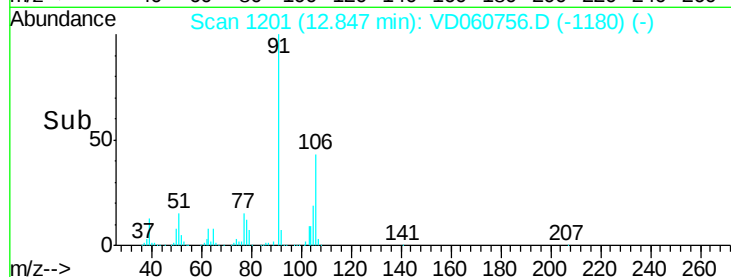
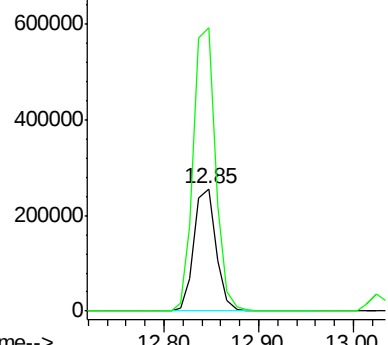
#69
o-Xylene
Concen: 20.382 ug/l
RT: 12.85 min Scan# 1201
Delta R.T. 0.01 min
Lab File: VD060756.D
Acq: 18 Jan 2019 11:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion:106 Resp: 417229
Ion Ratio Lower Upper
106 100
91 230.7 101.5 304.5

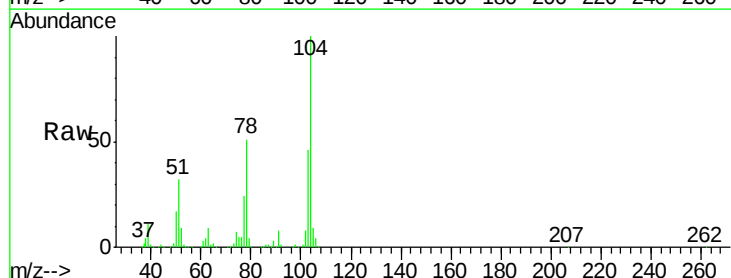


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

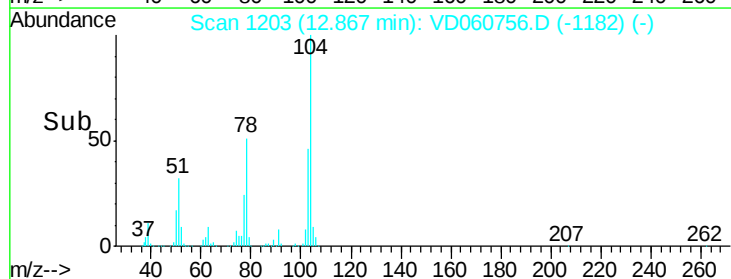
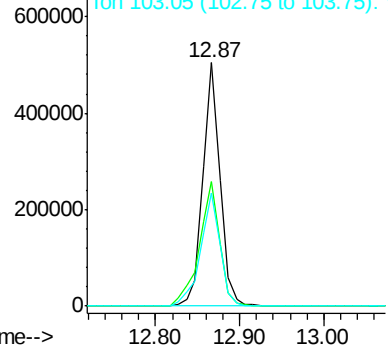


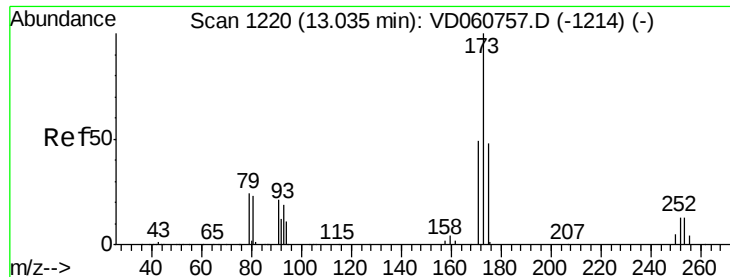
#70
Styrene
Concen: 21.717 ug/l
RT: 12.87 min Scan# 1203
Delta R.T. 0.01 min
Lab File: VD060756.D
Acq: 18 Jan 2019 11:54

Tgt Ion:104 Resp: 716007
Ion Ratio Lower Upper
104 100
78 51.1 31.4 47.2#
103 46.3 37.5 56.3



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: 27.679 ug/l

RT: 13.03 min Scan# 1220

Delta R.T. 0.01 min

Lab File: VD060756.D

Acq: 18 Jan 2019 11:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

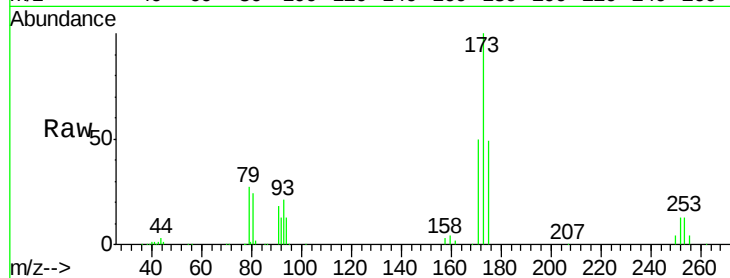
Tot Ion:173 Resp: 202524

Ion Ratio Lower Upper

173 100

175 48.8 25.5 76.5

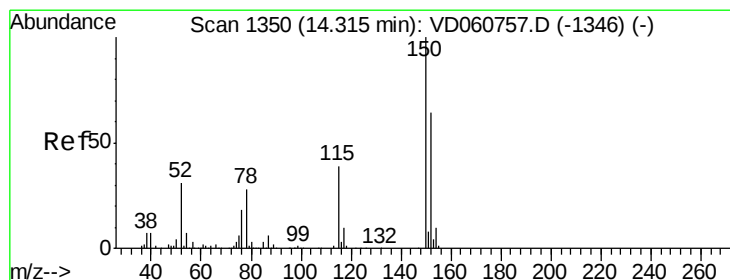
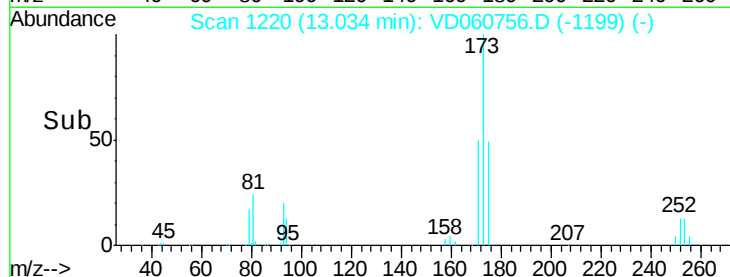
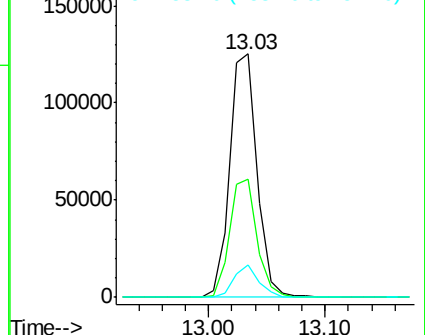
254 13.4 7.9 11.9#



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: 50.000 ug/l

RT: 14.31 min Scan# 1350

Delta R.T. 0.00 min

Lab File: VD060756.D

Acq: 18 Jan 2019 11:54

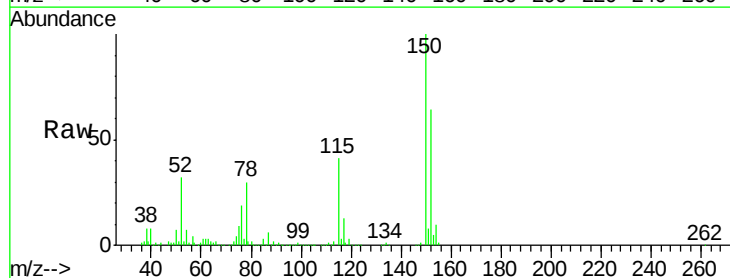
Tgt Ion:152 Resp: 768293

Ion Ratio Lower Upper

152 100

115 63.1 24.1 72.3

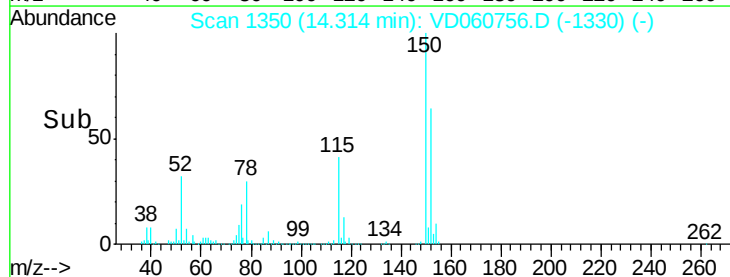
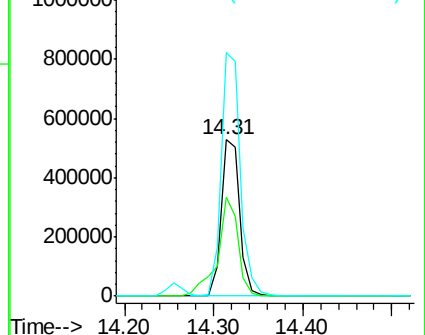
150 155.7 0.0 315.0

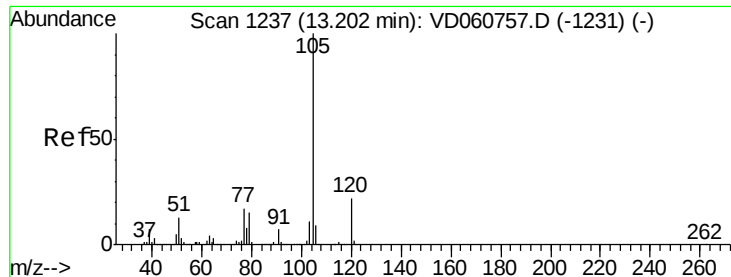


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.613 ug/l

RT: 13.20 min Scan# 1237

Delta R.T. 0.01 min

Lab File: VD060756.D

Acq: 18 Jan 2019 11:54

Instrument :

MSVOA_D

ClientSampleId :

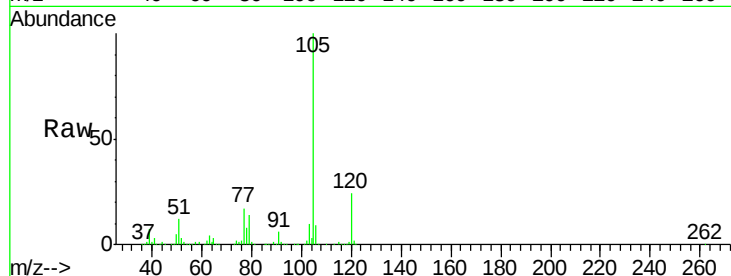
VSTDIC020

Tot Ion:105 Resp: 1182288

Ion Ratio Lower Upper

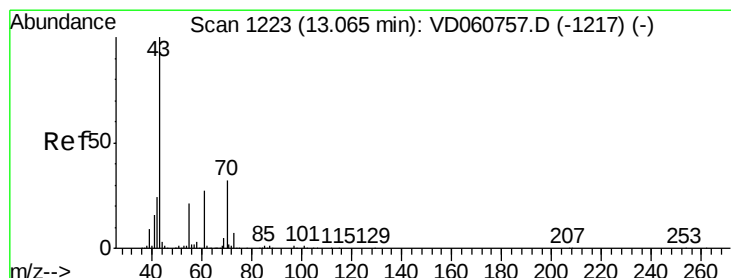
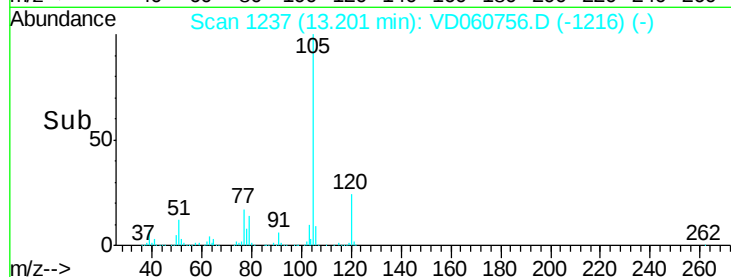
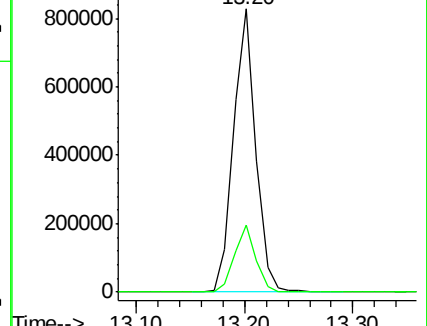
105 100

120 23.8 12.2 36.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 30.615 ug/l

RT: 13.06 min Scan# 1223

Delta R.T. 0.01 min

Lab File: VD060756.D

Acq: 18 Jan 2019 11:54

Tgt Ion: 43 Resp: 395246

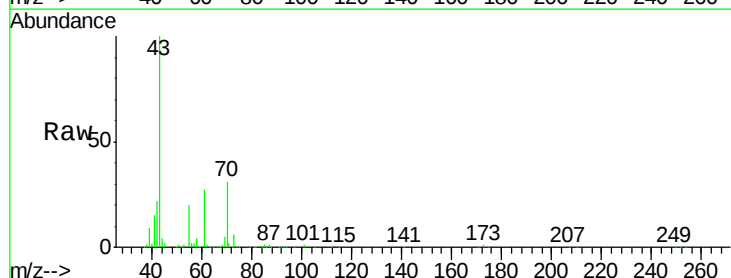
Ion Ratio Lower Upper

43 100

70 31.4 22.2 33.2

55 19.9 13.8 20.8

61 26.5 18.2 27.2

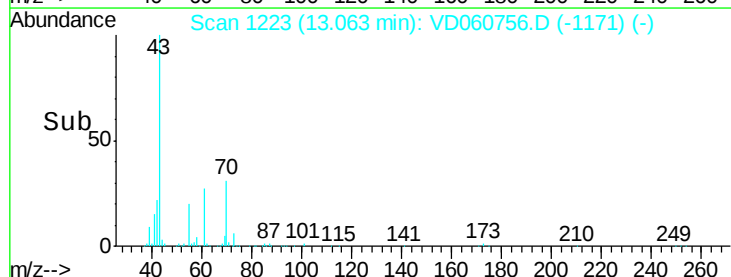
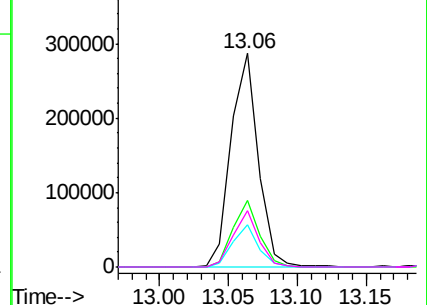


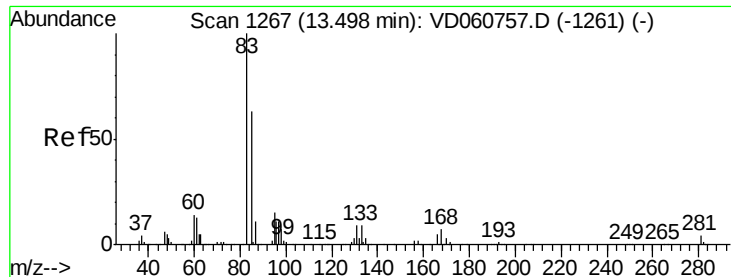
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 26.661 ug/l

RT: 13.50 min Scan# 1267

Delta R.T. 0.01 min

Lab File: VD060756.D

Acq: 18 Jan 2019 11:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

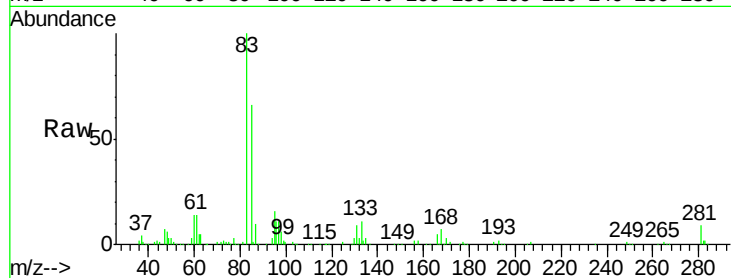
Tot Ion: 83 Resp: 236389

Ion Ratio Lower Upper

83 100

131 9.2 4.2 12.4

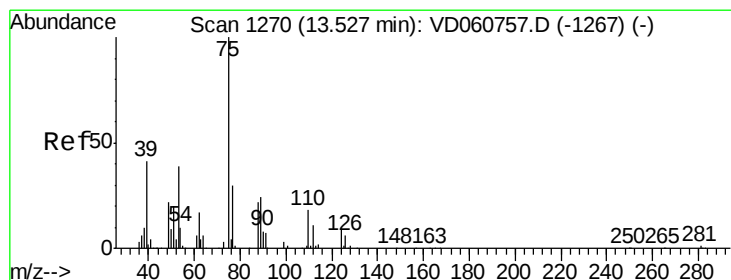
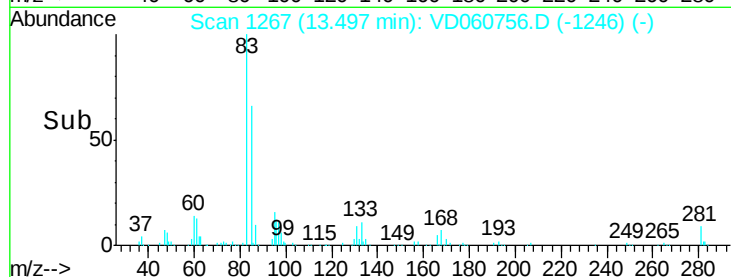
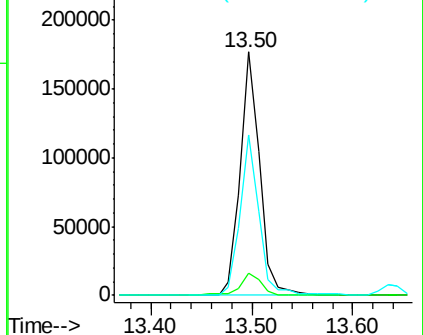
85 65.8 32.6 97.7



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 31.264 ug/l

RT: 13.53 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD060756.D

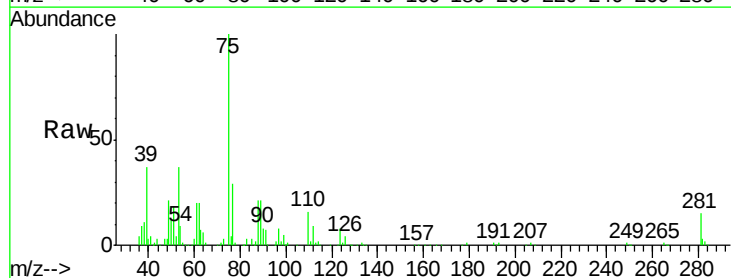
Acq: 18 Jan 2019 11:54

Tgt Ion: 75 Resp: 273464

Ion Ratio Lower Upper

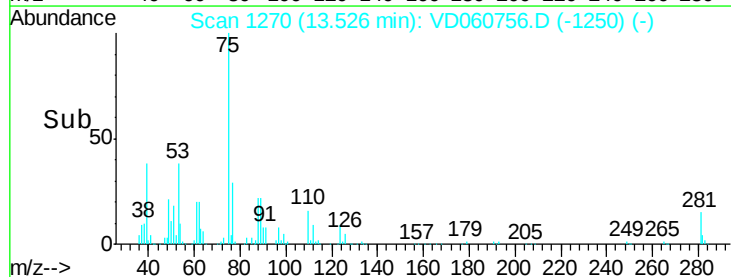
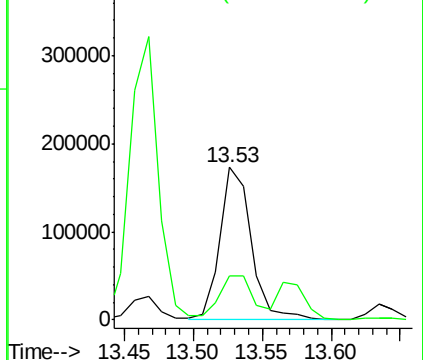
75 100

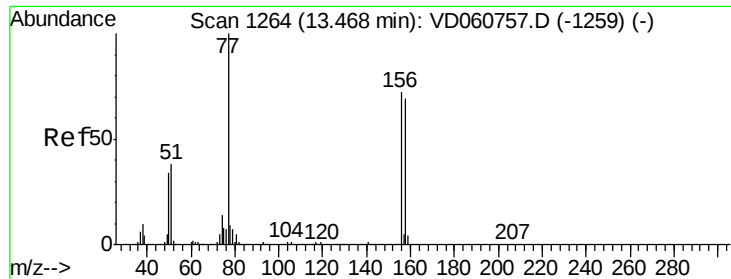
77 29.1 16.7 50.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 21.183 ug/l

RT: 13.47 min Scan# 1264

Delta R.T. 0.01 min

Lab File: VD060756.D

Acq: 18 Jan 2019 11:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

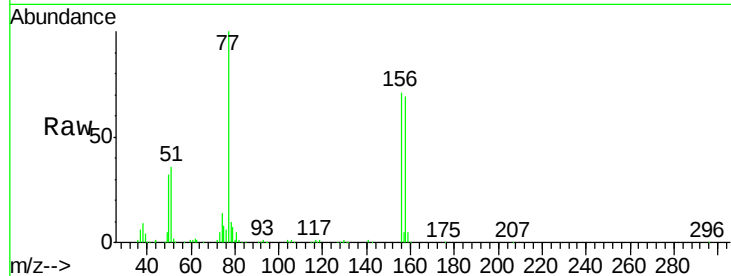
Tot Ion:156 Resp: 305921

Ion Ratio Lower Upper

156 100

77 141.7 61.3 183.9

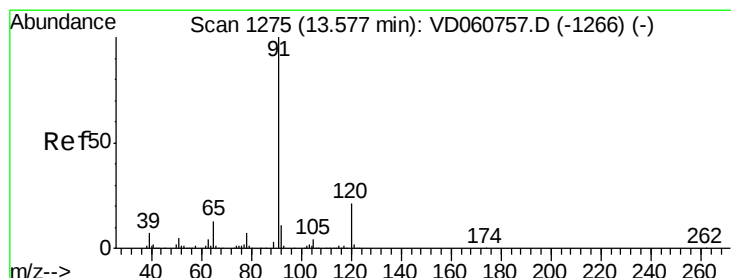
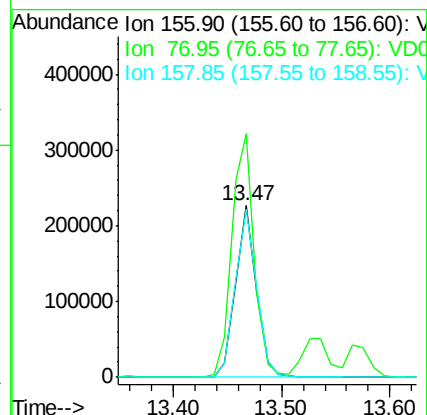
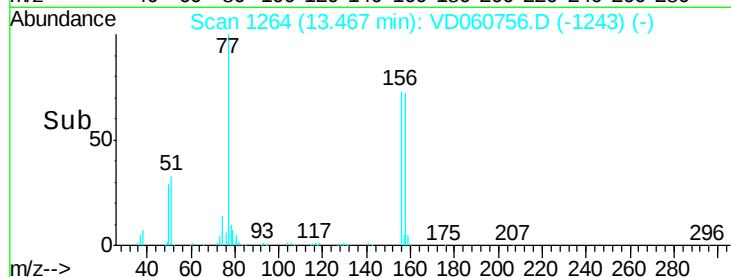
158 98.1 48.9 146.6



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: 21.483 ug/l

RT: 13.58 min Scan# 1275

Delta R.T. 0.01 min

Lab File: VD060756.D

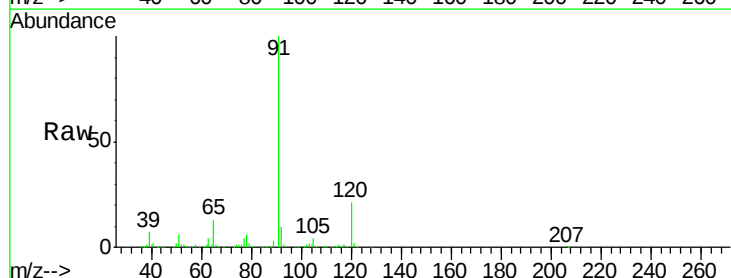
Acq: 18 Jan 2019 11:54

Tgt Ion: 91 Resp: 1502383

Ion Ratio Lower Upper

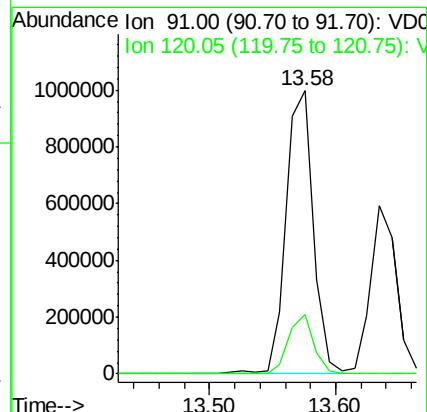
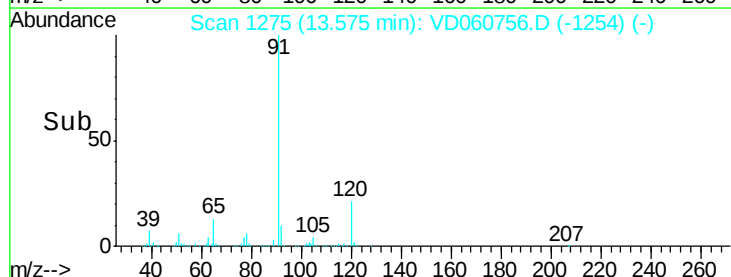
91 100

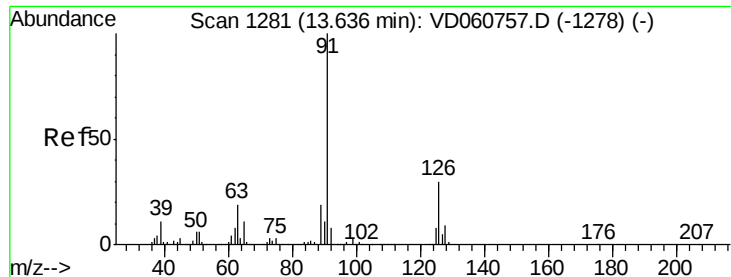
120 20.9 10.4 31.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 22.612 ug/l

RT: 13.63 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VD060756.D

Acq: 18 Jan 2019 11:54

Instrument :

MSVOA_D

ClientSampleId :

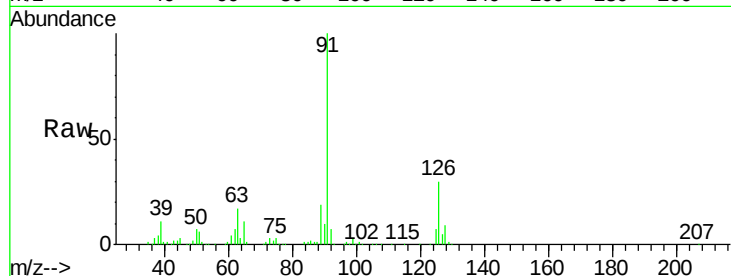
VSTDIC020

Tot Ion: 91 Resp: 846982

Ion Ratio Lower Upper

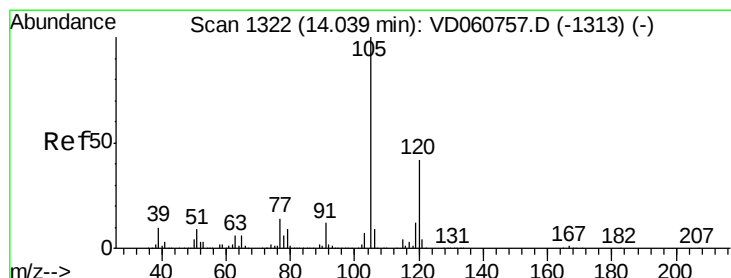
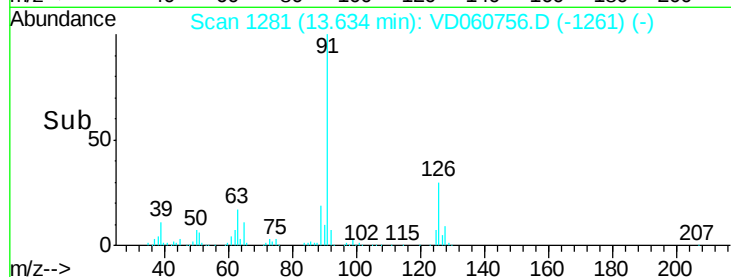
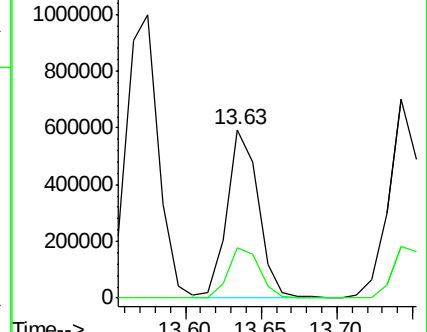
91 100

126 29.7 17.2 51.5



Abundance Ion 91.00 (90.70 to 91.70): VD060757.D (-1278) (-)

Ion 125.95 (125.65 to 126.65): VD060757.D (-1278) (-)



#80

1,3,5-Trimethylbenzene

Concen: 22.466 ug/l

RT: 14.04 min Scan# 1322

Delta R.T. 0.01 min

Lab File: VD060756.D

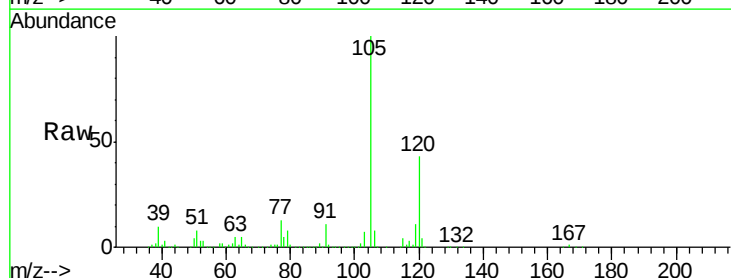
Acq: 18 Jan 2019 11:54

Tgt Ion: 105 Resp: 948966

Ion Ratio Lower Upper

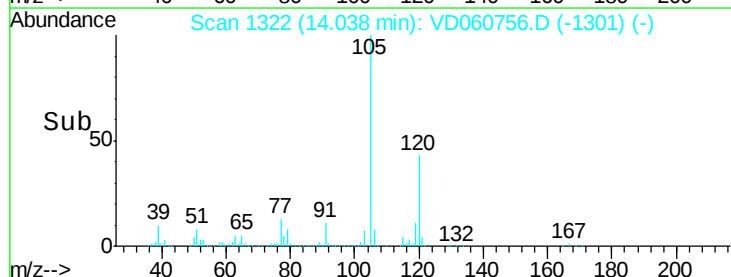
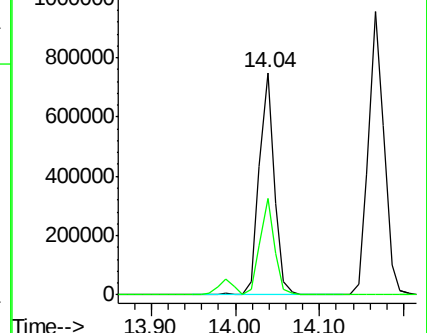
105 100

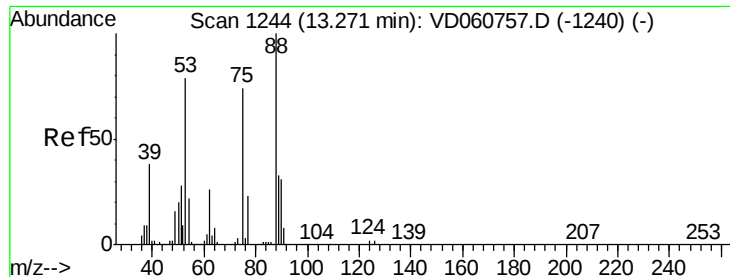
120 43.2 24.8 74.4



Abundance Ion 105.05 (104.75 to 105.75): VD060757.D (-1313) (-)

Ion 120.05 (119.75 to 120.75): VD060757.D (-1313) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 32.819 ug/l

RT: 13.27 min Scan# 1244

Delta R.T. 0.01 min

Lab File: VD060756.D

Acq: 18 Jan 2019 11:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

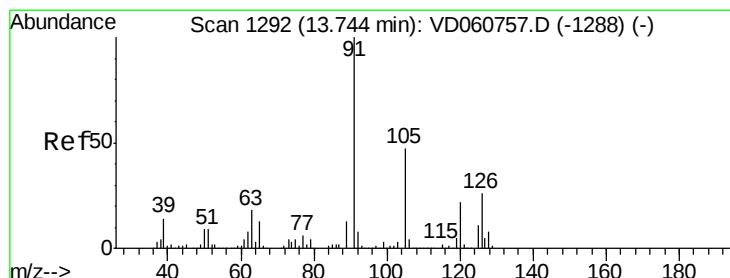
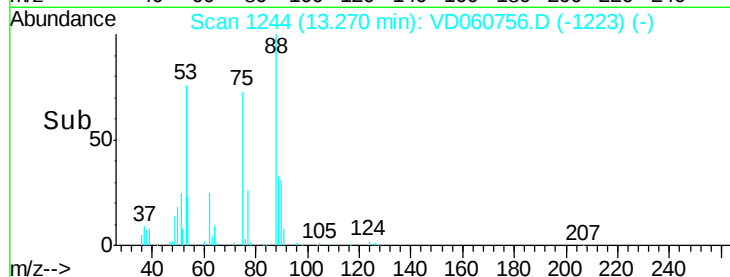
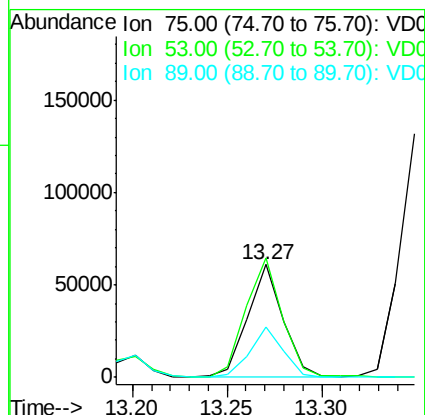
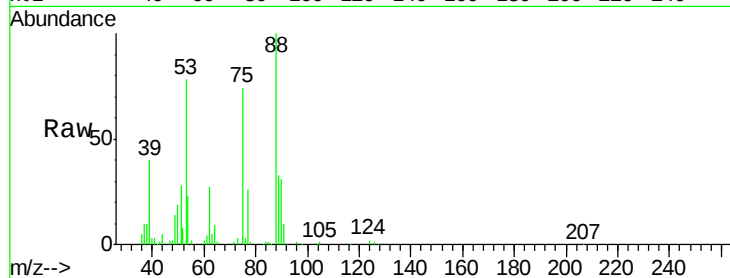
Tot Ion: 75 Resp: 79322

Ion Ratio Lower Upper

75 100

53 106.3 72.1 108.1

89 44.7 35.1 52.7



#82

4-Chlorotoluene

Concen: 23.589 ug/l

RT: 13.74 min Scan# 1292

Delta R.T. 0.00 min

Lab File: VD060756.D

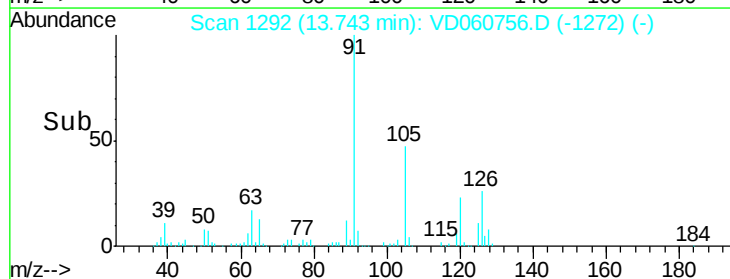
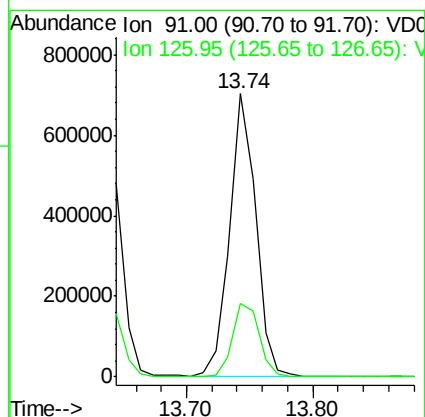
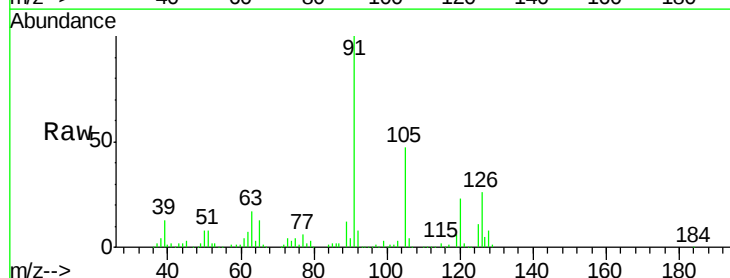
Acq: 18 Jan 2019 11:54

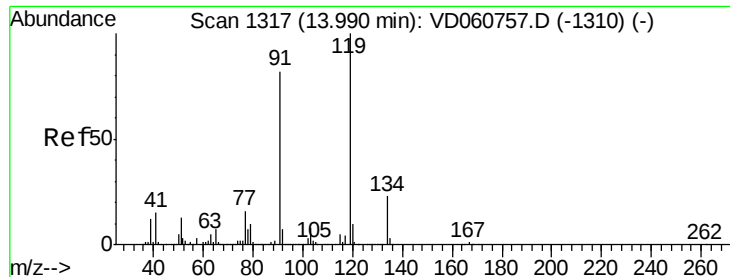
Tgt Ion: 91 Resp: 1001452

Ion Ratio Lower Upper

91 100

126 26.1 14.6 43.8





#83

tert-Butylbenzene

Concen: 21.295 ug/l

RT: 13.99 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VD060756.D

Acq: 18 Jan 2019 11:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

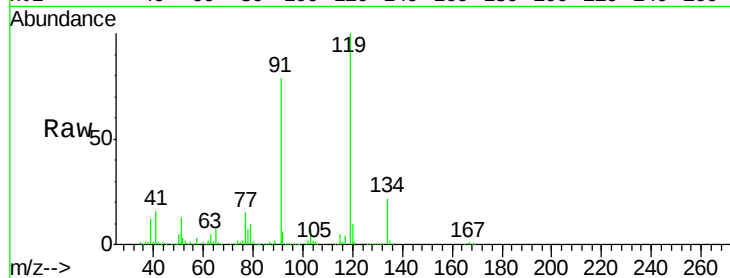
Tot Ion:119 Resp: 1023693

Ion Ratio Lower Upper

119 100

91 79.3 32.5 97.4

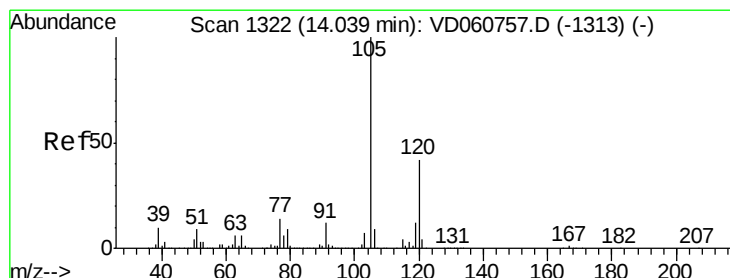
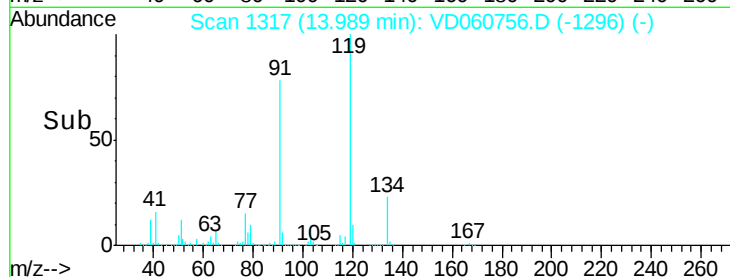
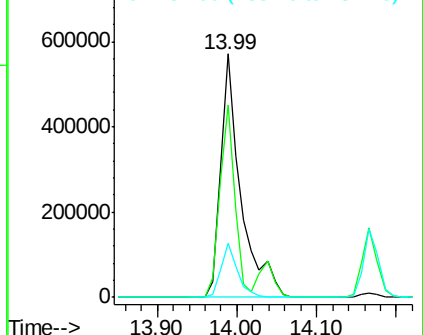
134 22.5 11.9 35.9



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.813 ug/l

RT: 14.04 min Scan# 1322

Delta R.T. 0.01 min

Lab File: VD060756.D

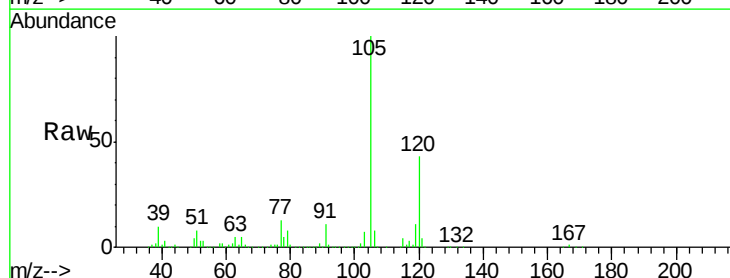
Acq: 18 Jan 2019 11:54

Tgt Ion:105 Resp: 948966

Ion Ratio Lower Upper

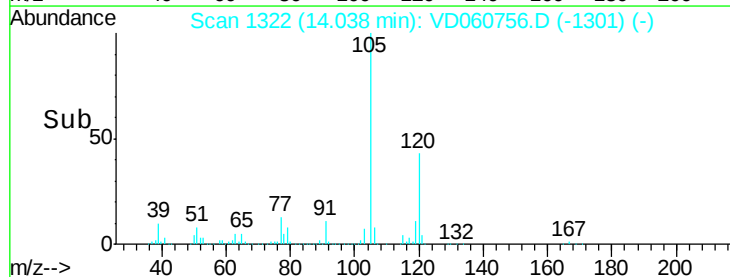
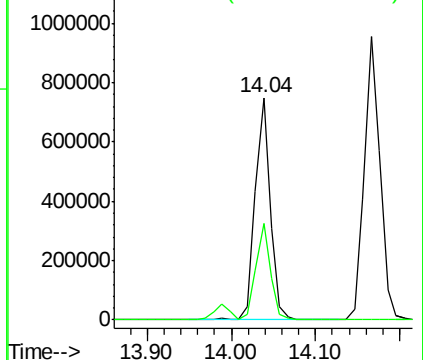
105 100

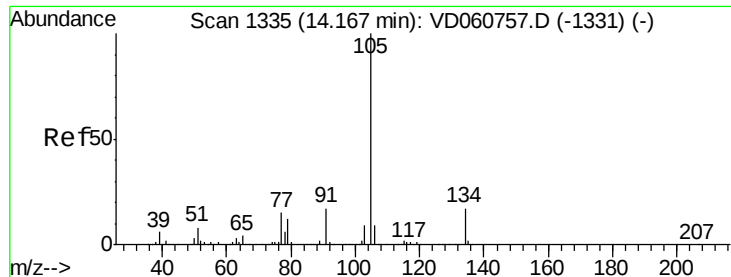
120 43.2 22.4 67.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

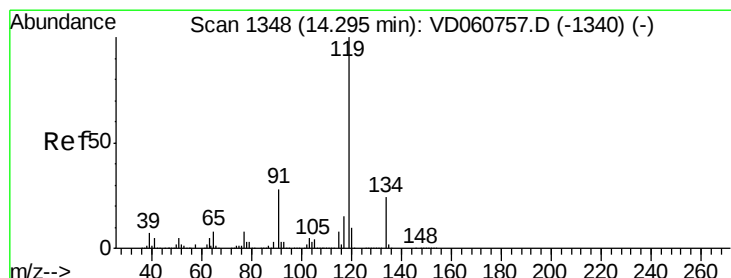
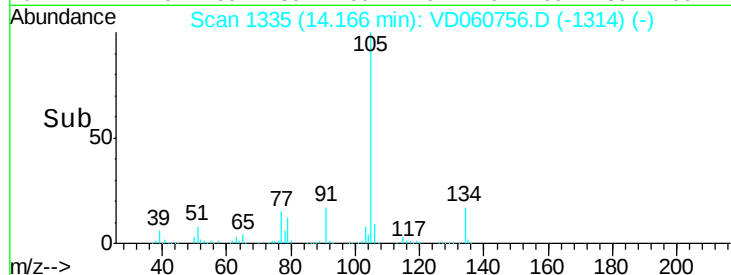
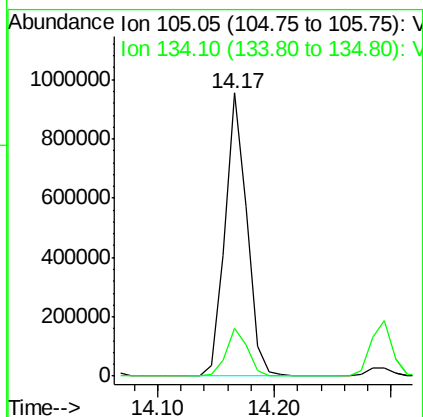
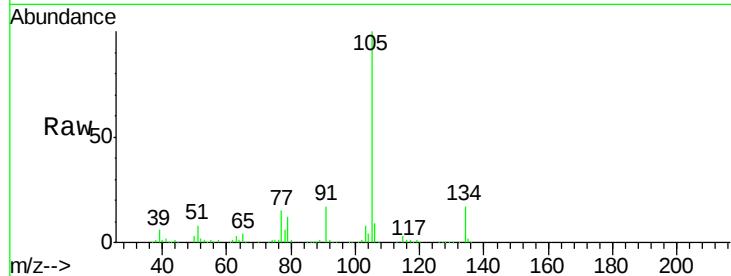




#85
 sec-Butylbenzene
 Concen: 21.176 ug/l
 RT: 14.17 min Scan# 1335
 Delta R.T. 0.01 min
 Lab File: VD060756.D
 Acq: 18 Jan 2019 11:54

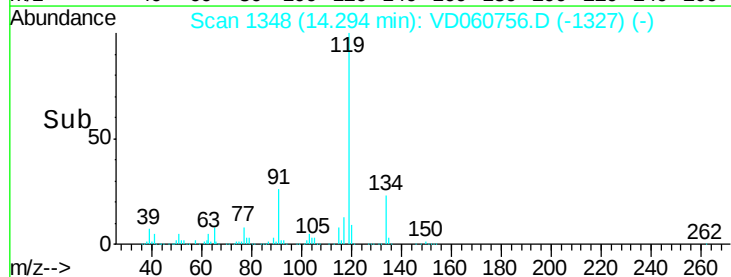
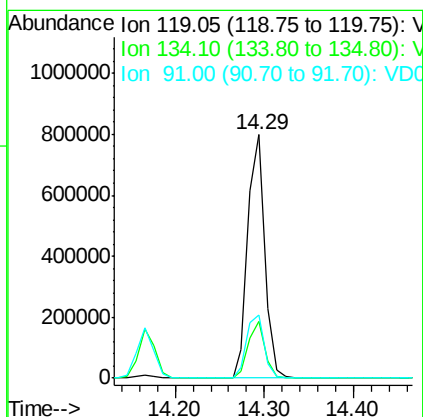
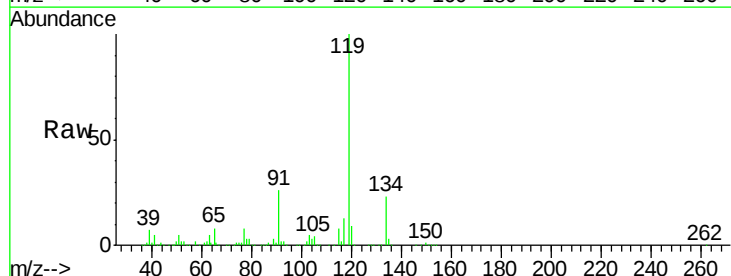
Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC020

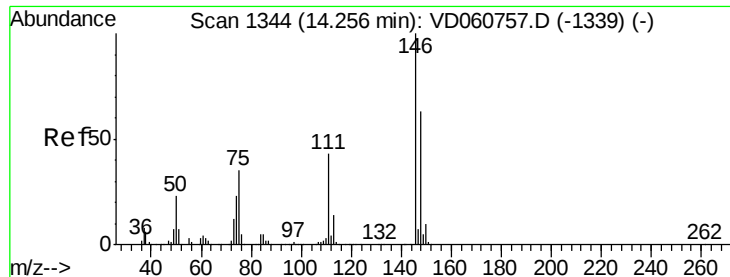
Tot Ion:105 Resp: 1241420
 Ion Ratio Lower Upper
 105 100
 134 16.9 8.2 24.4



#86
 p-Isopropyltoluene
 Concen: 22.215 ug/l
 RT: 14.29 min Scan# 1348
 Delta R.T. 0.01 min
 Lab File: VD060756.D
 Acq: 18 Jan 2019 11:54

Tgt Ion:119 Resp: 1051275
 Ion Ratio Lower Upper
 119 100
 134 23.4 12.5 37.5
 91 26.1 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 21.236 ug/l

RT: 14.25 min Scan# 1344

Delta R.T. 0.01 min

Lab File: VD060756.D

Acq: 18 Jan 2019 11:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

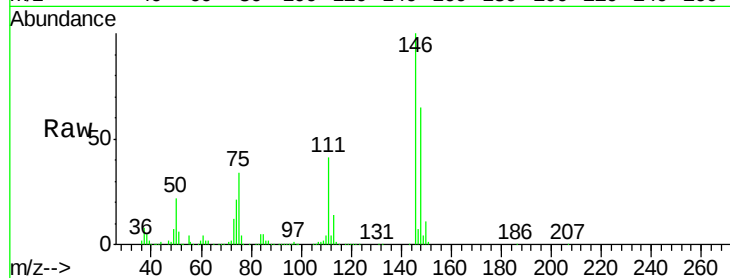
Tot Ion:146 Resp: 562990

Ion Ratio Lower Upper

146 100

111 40.9 16.6 49.8

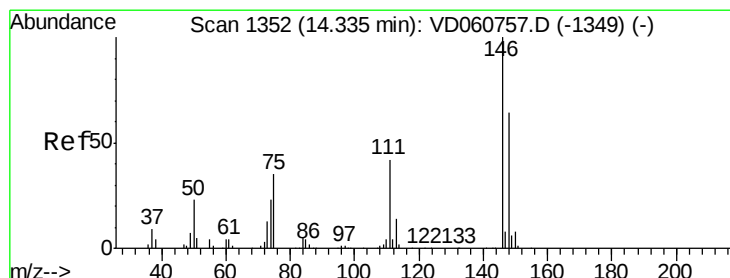
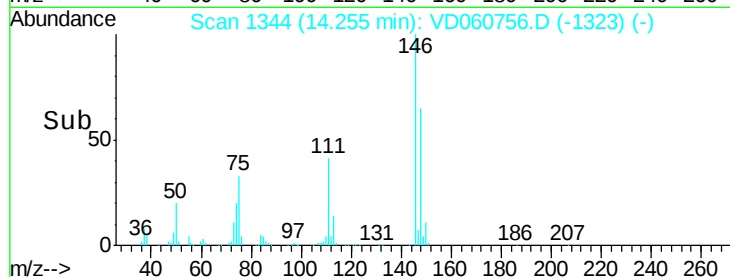
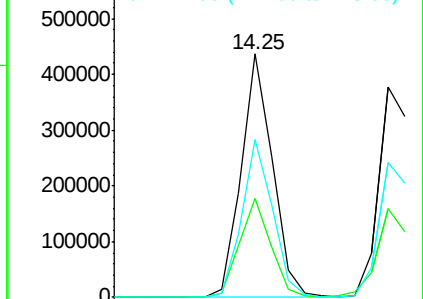
148 64.9 32.6 97.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.606 ug/l

RT: 14.33 min Scan# 1352

Delta R.T. 0.00 min

Lab File: VD060756.D

Acq: 18 Jan 2019 11:54

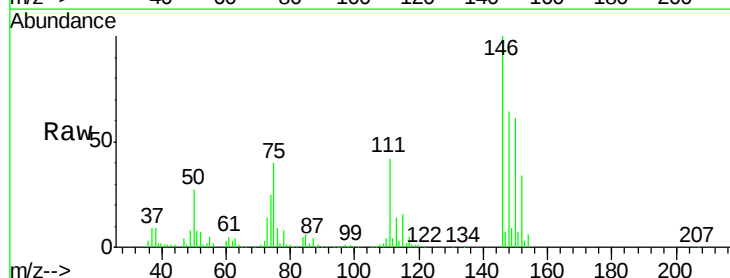
Tgt Ion:146 Resp: 512191

Ion Ratio Lower Upper

146 100

111 42.2 16.2 48.5

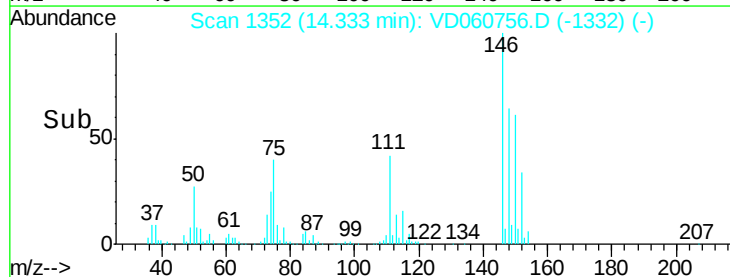
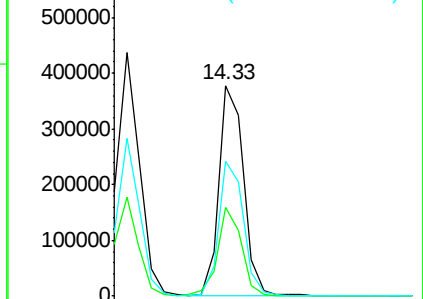
148 64.0 32.7 98.1

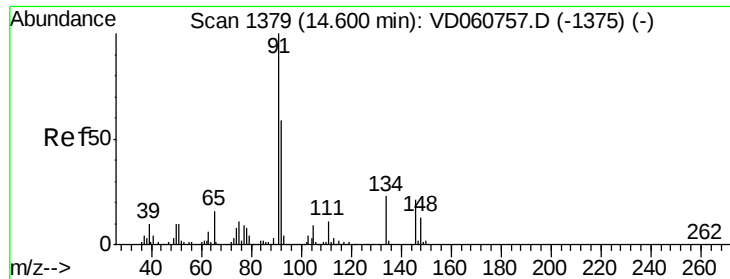


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 21.022 ug/l

RT: 14.60 min Scan# 1379

Delta R.T. 0.01 min

Lab File: VD060756.D

Acq: 18 Jan 2019 11:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

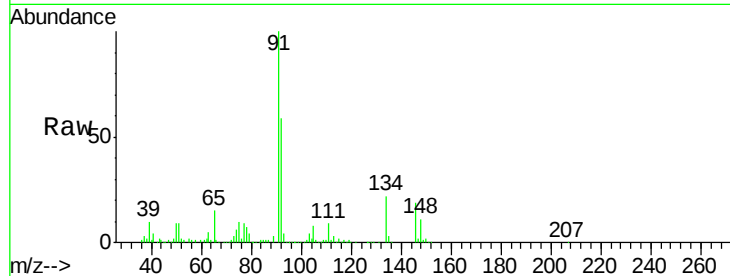
Tot Ion: 91 Resp: 1016587

Ion	Ratio	Lower	Upper
91	100		
92	59.5	29.7	89.1
134	22.0	12.7	38.1

91 100

92 59.5 29.7 89.1

134 22.0 12.7 38.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC

14.60

800000

600000

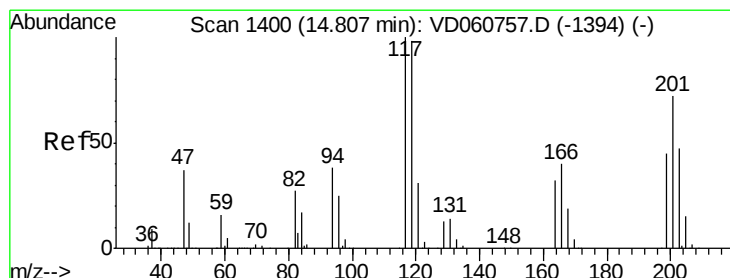
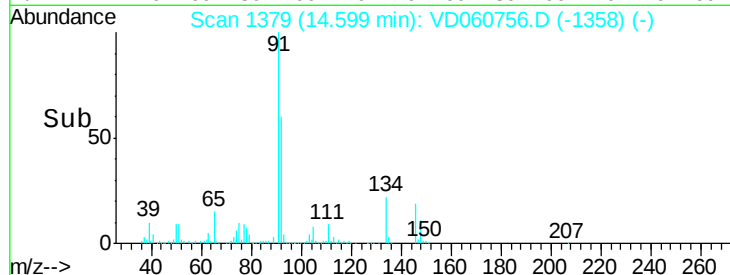
400000

200000

0

14.50 14.60 14.70

Time-->



#90

Hexachloroethane

Concen: 23.823 ug/l

RT: 14.81 min Scan# 1400

Delta R.T. 0.00 min

Lab File: VD060756.D

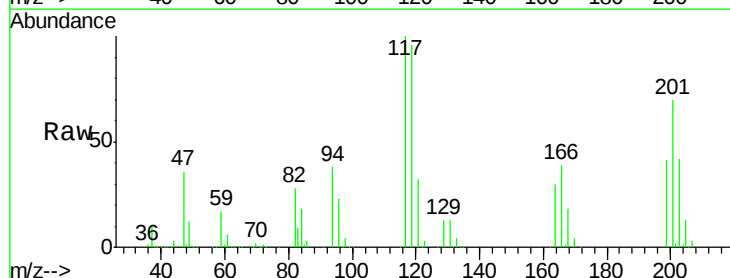
Acq: 18 Jan 2019 11:54

Tgt Ion: 117 Resp: 276959

Ion	Ratio	Lower	Upper
117	100		
201	69.9	42.6	127.8

117 100

201 69.9 42.6 127.8



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

14.81

200000

150000

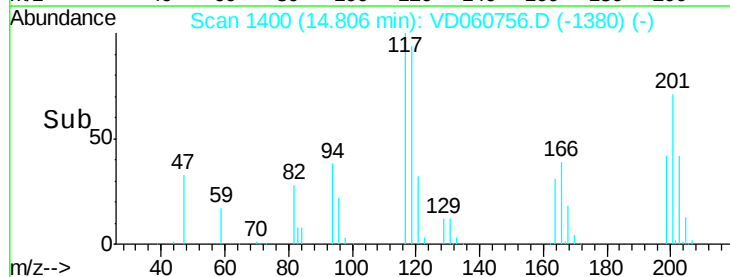
100000

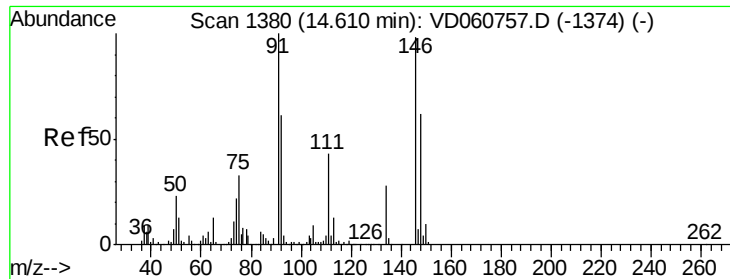
50000

0

14.80 14.90

Time-->

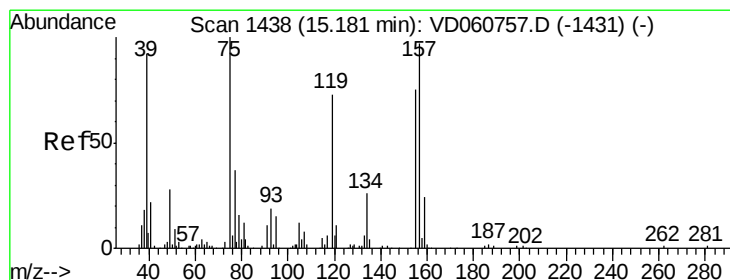
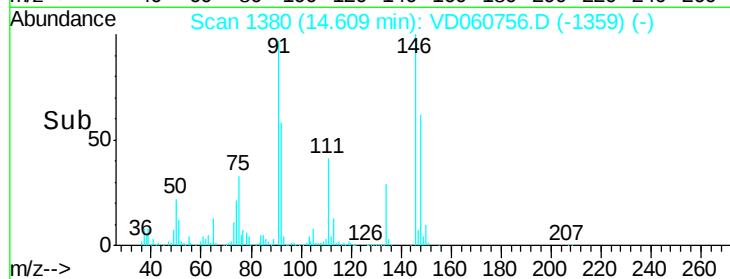
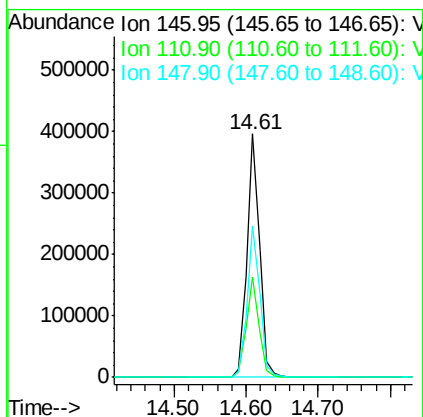
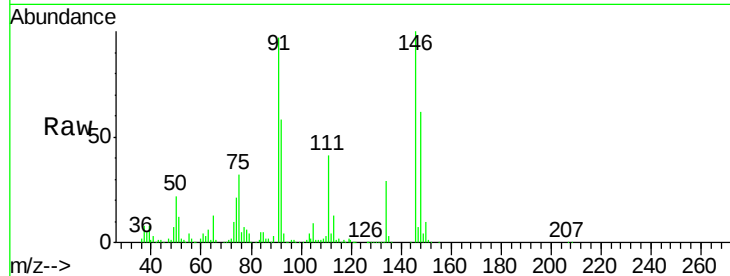




#91
 1,2-Dichlorobenzene
 Concen: 22.885 ug/l
 RT: 14.61 min Scan# 1380
 Delta R.T. 0.01 min
 Lab File: VD060756.D
 Acq: 18 Jan 2019 11:54

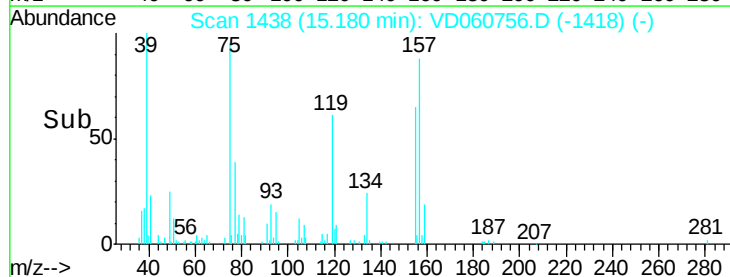
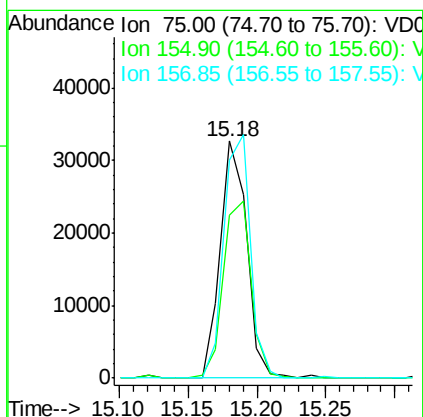
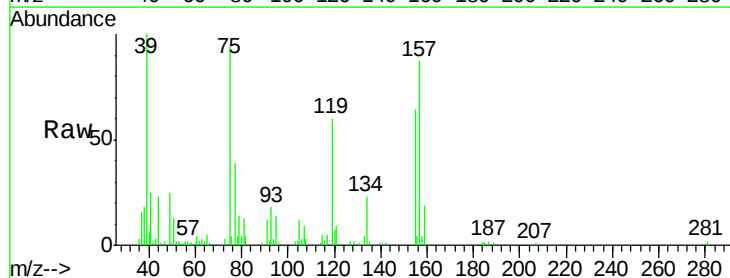
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

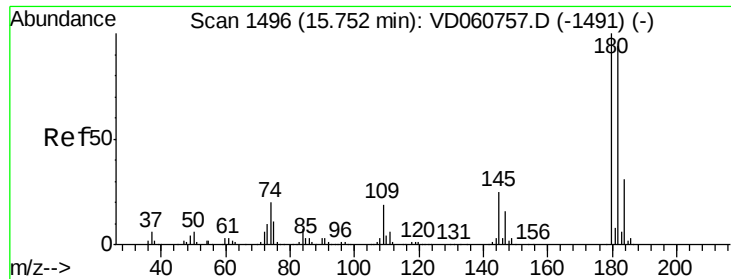
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	19.3	57.9
148	62.1	31.9	95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 41.741 ug/l
 RT: 15.18 min Scan# 1438
 Delta R.T. 0.00 min
 Lab File: VD060756.D
 Acq: 18 Jan 2019 11:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	68.7	41.1	123.4
157	92.3	52.5	157.6

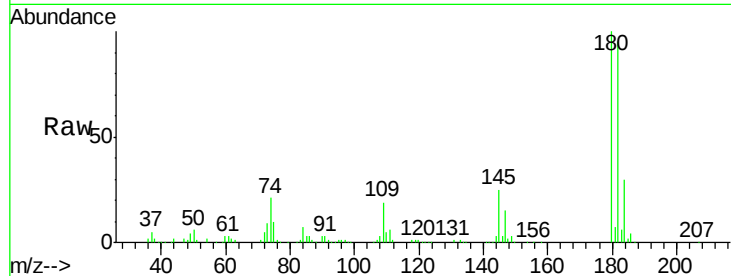




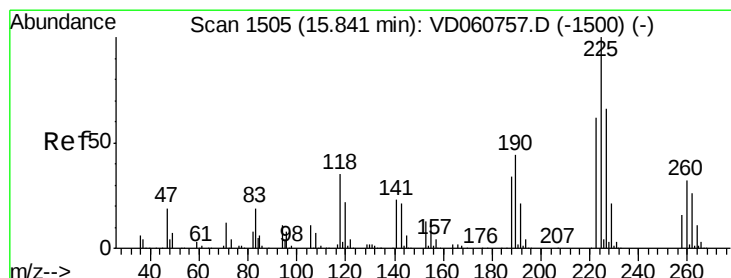
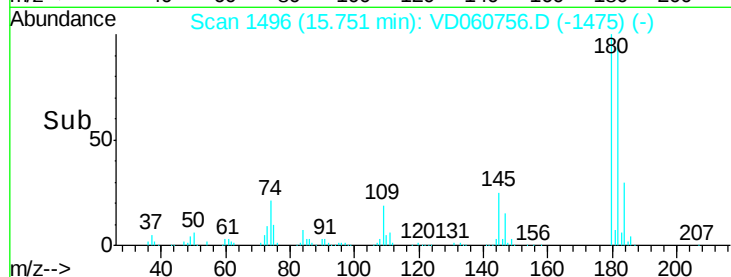
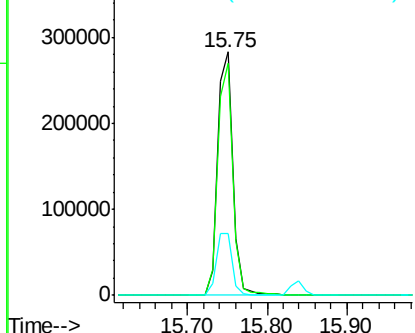
#93
 1,2,4-Trichlorobenzene
 Concen: 22.786 ug/l
 RT: 15.75 min Scan# 1496
 Delta R.T. 0.01 min
 Lab File: VD060756.D
 Acq: 18 Jan 2019 11:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion:180 Resp: 385591
 Ion Ratio Lower Upper
 180 100
 182 95.2 48.8 146.4
 145 25.3 11.8 35.3

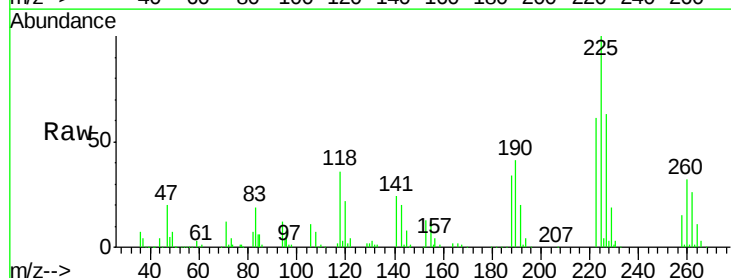


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

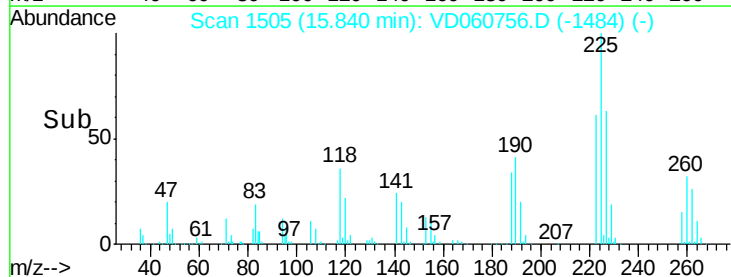
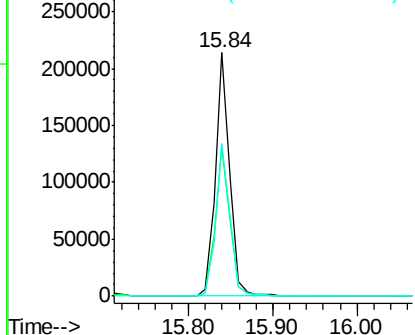


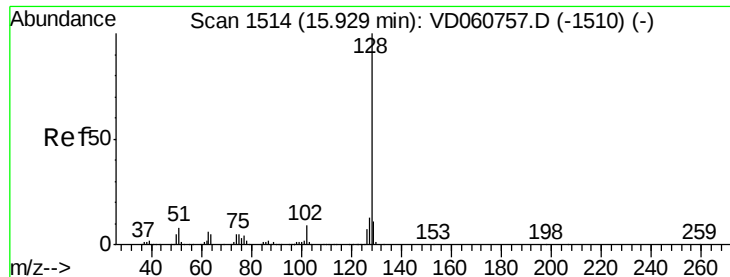
#94
 Hexachlorobutadiene
 Concen: 19.960 ug/l
 RT: 15.84 min Scan# 1505
 Delta R.T. 0.01 min
 Lab File: VD060756.D
 Acq: 18 Jan 2019 11:54

Tgt Ion:225 Resp: 249668
 Ion Ratio Lower Upper
 225 100
 223 61.2 31.3 93.8
 227 62.9 32.5 97.4



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: 29.488 ug/l

RT: 15.93 min Scan# 1514

Delta R.T. 0.01 min

Lab File: VD060756.D

Acq: 18 Jan 2019 11:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

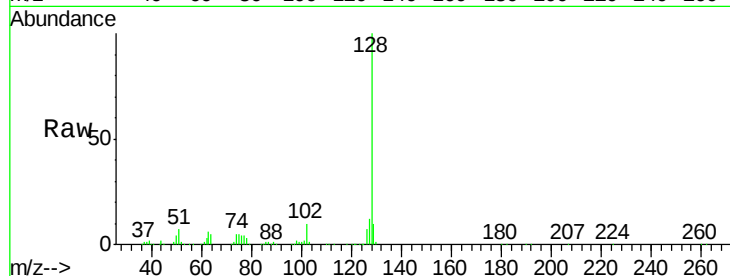
Tot Ion:128 Resp: 593083

Ion Ratio Lower Upper

128 100

127 12.3 10.1 15.1

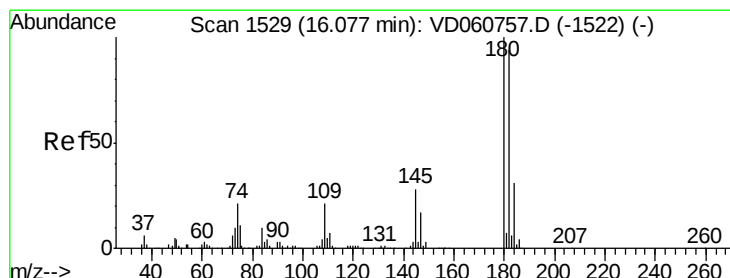
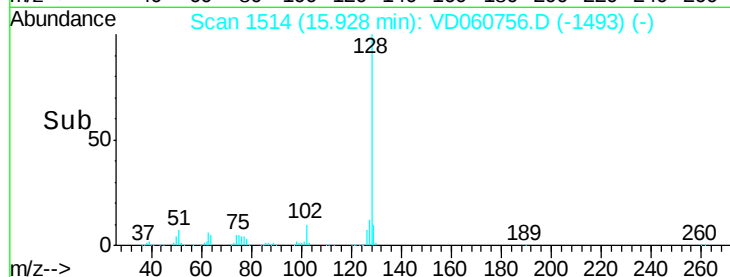
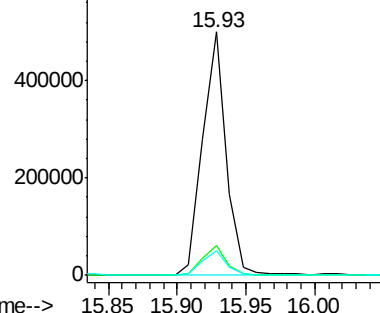
129 10.3 8.6 13.0



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: 24.408 ug/l

RT: 16.08 min Scan# 1529

Delta R.T. 0.01 min

Lab File: VD060756.D

Acq: 18 Jan 2019 11:54

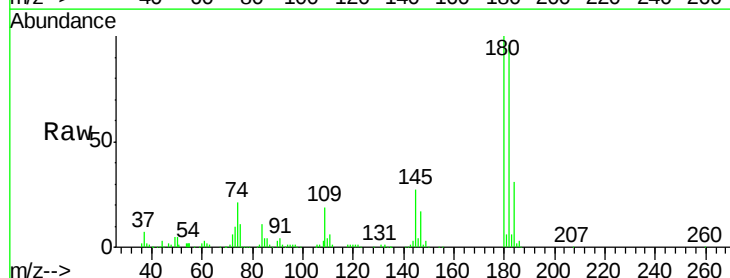
Tgt Ion:180 Resp: 322875

Ion Ratio Lower Upper

180 100

182 96.1 48.6 145.9

145 26.8 12.6 37.8



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

