

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 02:35:32 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	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.21	65	322783	34.08	ug/l	0.01
Spiked Amount			Recovery	=	68.16%	
35) Dibromofluoromethane	6.67	113	335392	23.02	ug/l	0.01
Spiked Amount			Recovery	=	46.04%	
50) Toluene-d8	10.18	98	874753	20.12	ug/l	0.01
Spiked Amount			Recovery	=	40.24%	
62) 4-Bromofluorobenzene	13.35	95	387598	25.46	ug/l	0.01
Spiked Amount			Recovery	=	50.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD011819\
 Data File : VD060756.D
 Acq On : 18 Jan 2019 11:54
 Operator : VA/AP
 Sample : VSTDICC020
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC020

Quant Time: Jan 19 02:35:32 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)
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	238926	50.387	ug/l	90
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

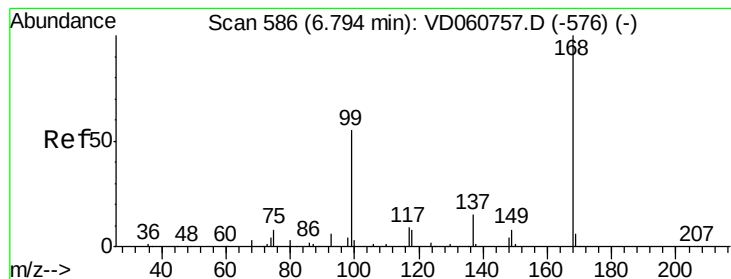
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD011819\
Data File : VD060756.D
Acq On : 18 Jan 2019 11:54
Operator : VA/AP
Sample : VSTDICC020
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC020

Quant Time: Jan 19 02:35:32 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)
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 :

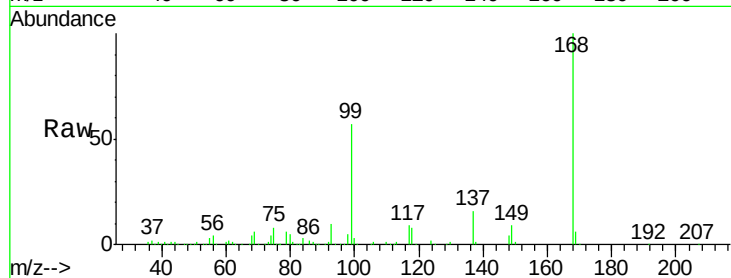
VSTDIC020

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

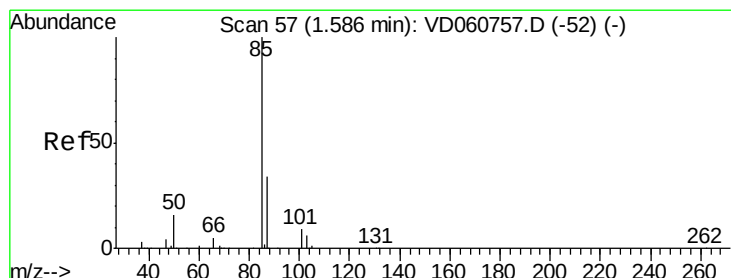
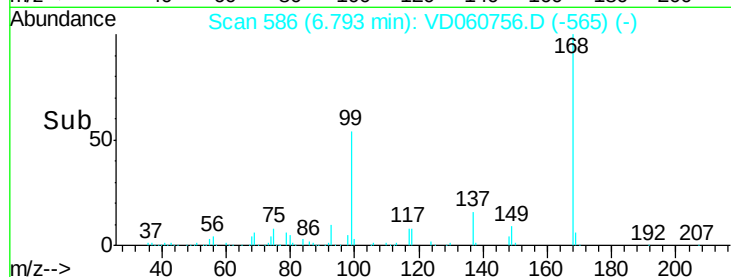
200000

100000

0

Time-->

6.60 6.70 6.80 6.90 7.00



#2

Dichlorodifluoromethane

Concen: 13.344 ug/l

RT: 1.58 min Scan# 57

Delta R.T. 0.00 min

Lab File: VD060756.D

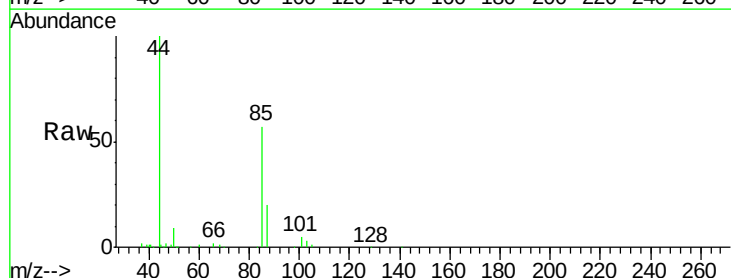
Acq: 18 Jan 2019 11:54

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

60000

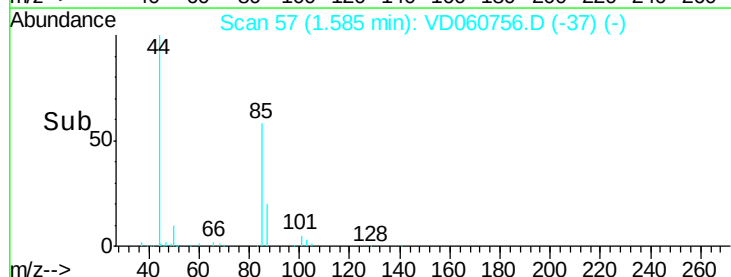
40000

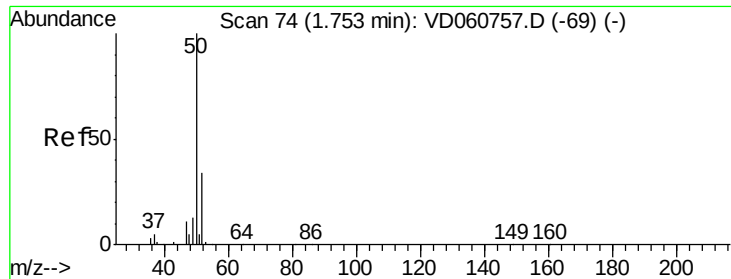
20000

0

Time-->

1.50 1.60 1.70 1.80





#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 :

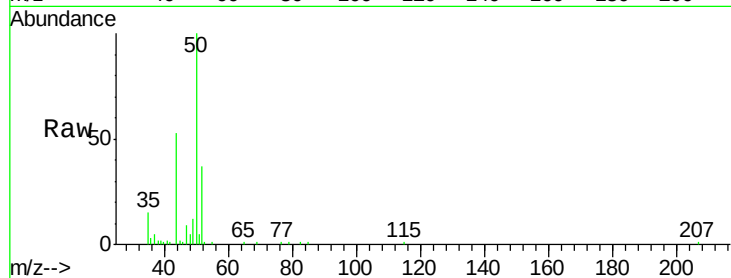
VSTDIC020

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

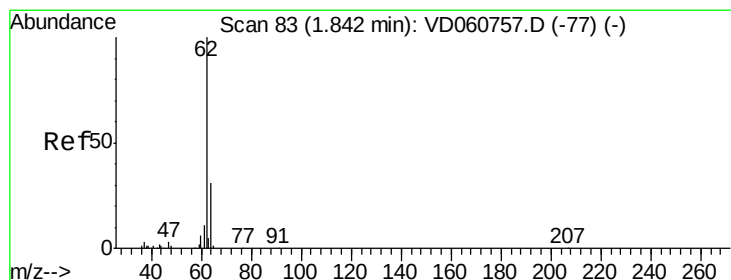
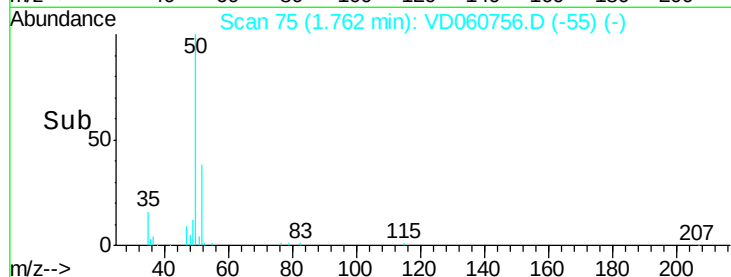
30000

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

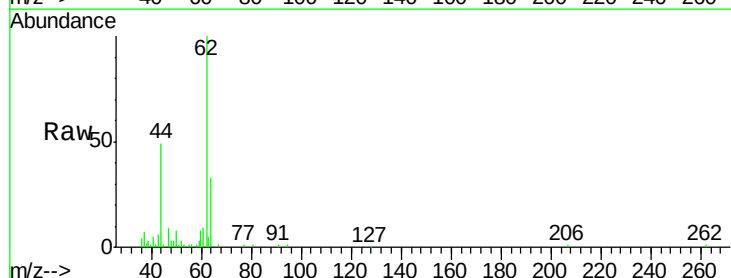
Acq: 18 Jan 2019 11:54

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

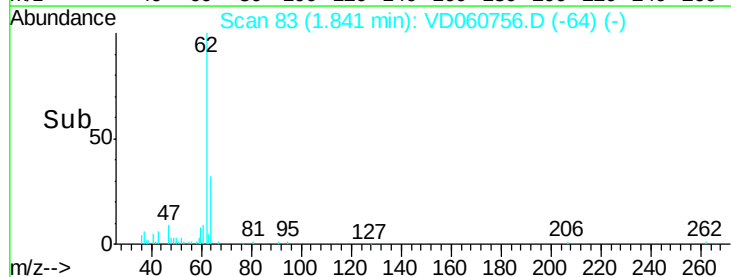
60000

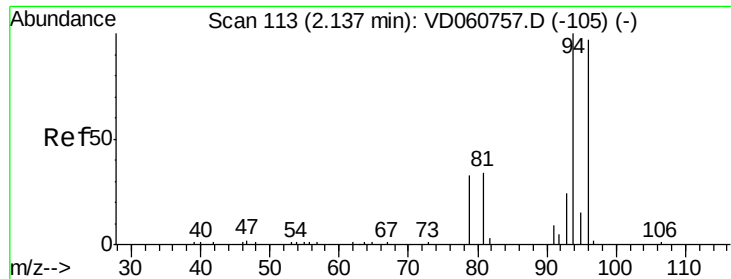
40000

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 :

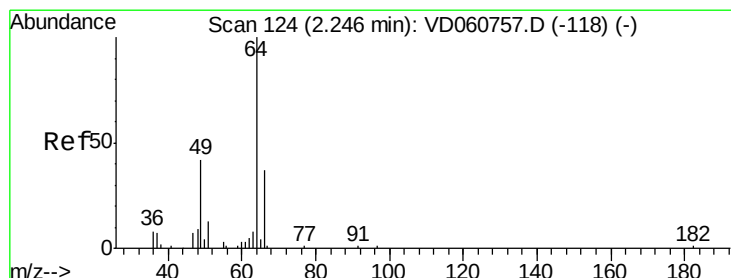
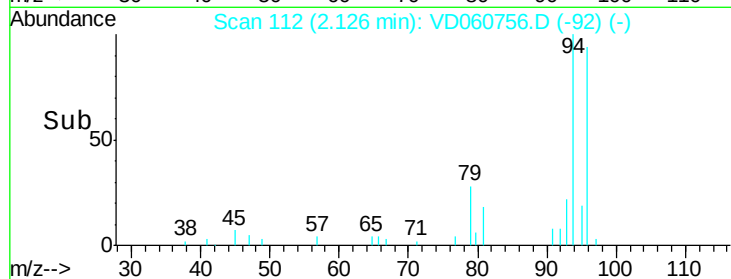
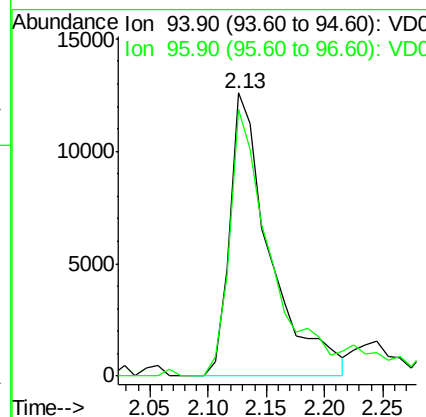
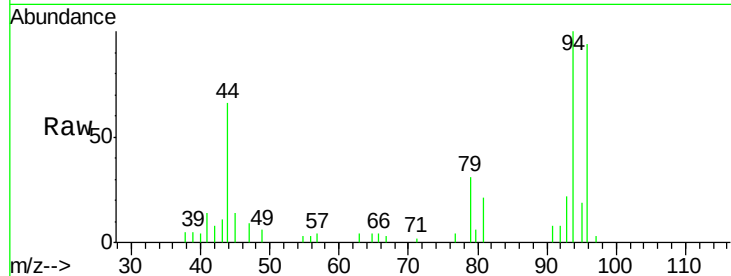
VSTDIC020

Tot Ion: 94 Resp: 30223

Ion Ratio Lower Upper

94 100

96 94.3 77.2 115.8



#6

Chloroethane

Concen: 7.761 ug/l

RT: 2.23 min Scan# 123

Delta R.T. 0.00 min

Lab File: VD060756.D

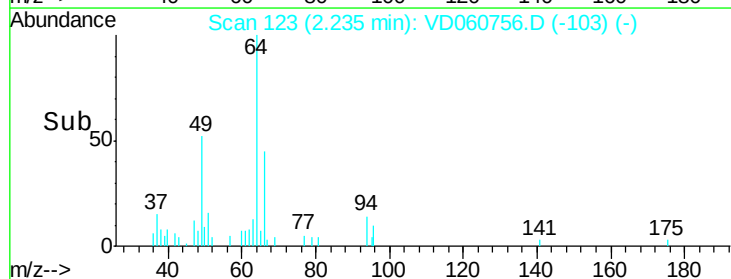
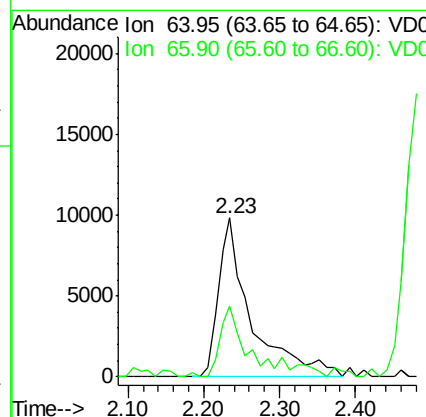
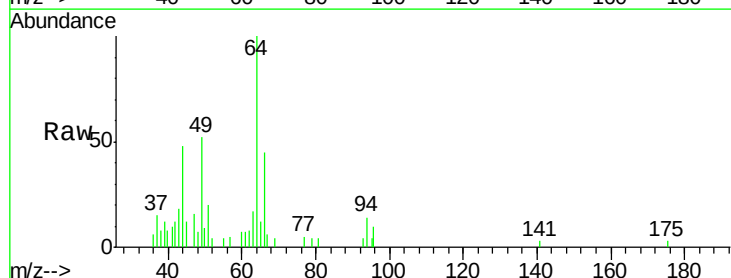
Acq: 18 Jan 2019 11:54

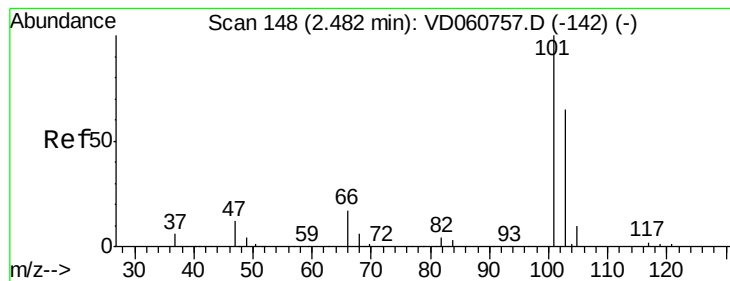
Tgt Ion: 64 Resp: 29636

Ion Ratio Lower Upper

64 100

66 44.6 25.6 38.4#



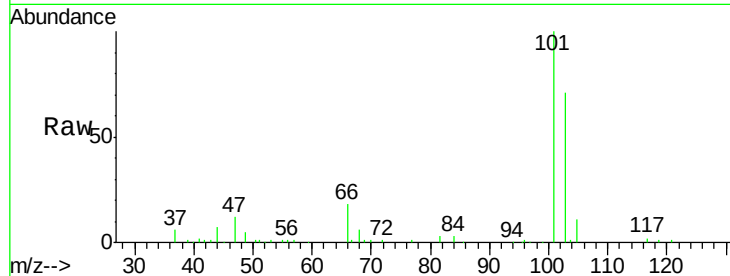


#7

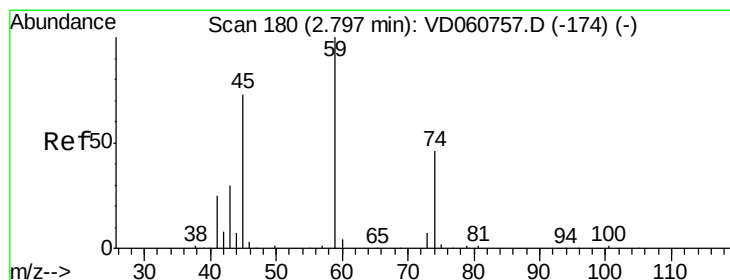
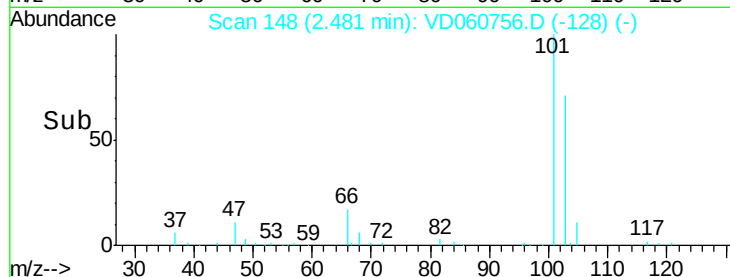
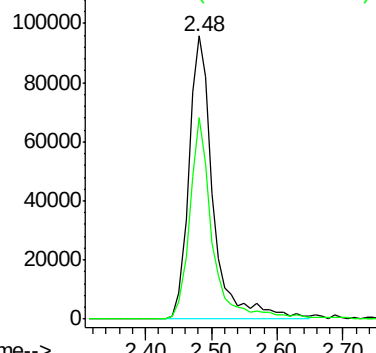
Trichlorofluoromethane
 Concen: 17.251 ug/l
 RT: 2.48 min Scan# 148
 Delta R.T. 0.00 min
 Lab File: VD060756.D
 Acq: 18 Jan 2019 11:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion:101 Resp: 24535
 Ion Ratio Lower Upper
 101 100
 103 71.3 51.9 77.9



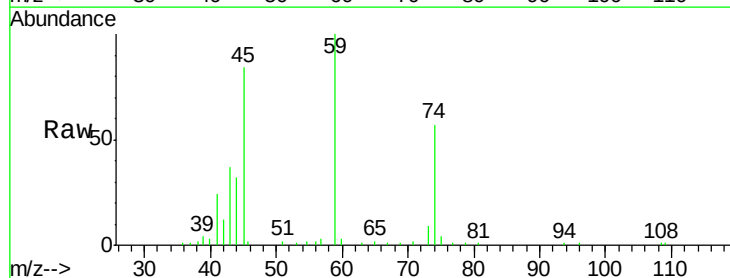
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



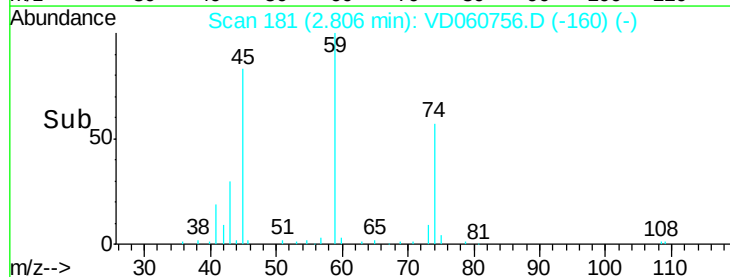
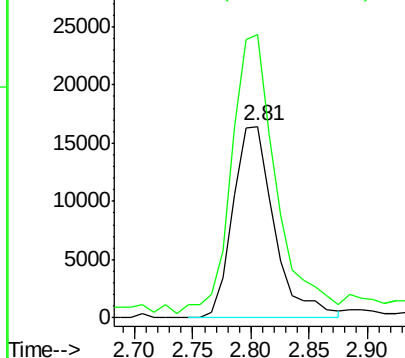
#8

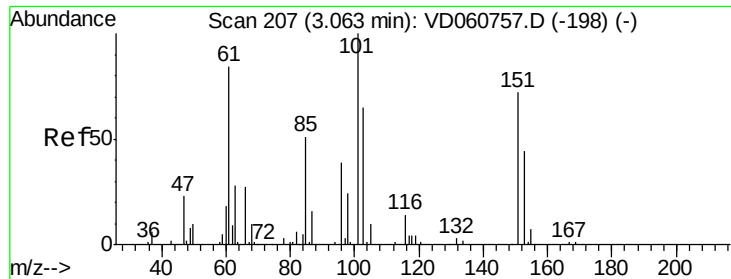
Diethyl Ether
 Concen: 17.020 ug/l
 RT: 2.81 min Scan# 181
 Delta R.T. 0.01 min
 Lab File: VD060756.D
 Acq: 18 Jan 2019 11:54

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

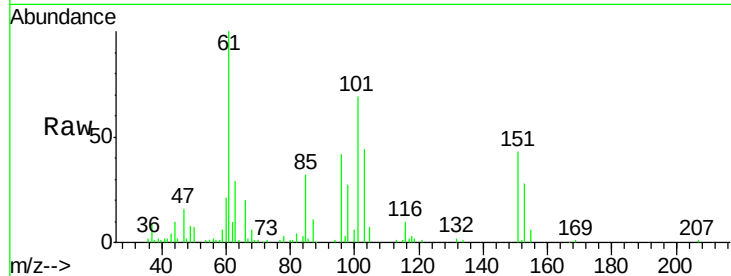
Tot Ion:101 Resp: 147263

Ion Ratio Lower Upper

101 100

85 45.9 33.4 50.0

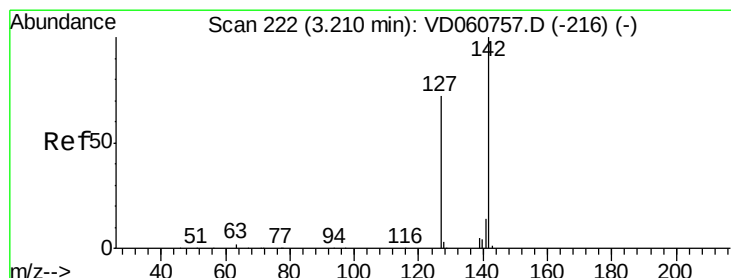
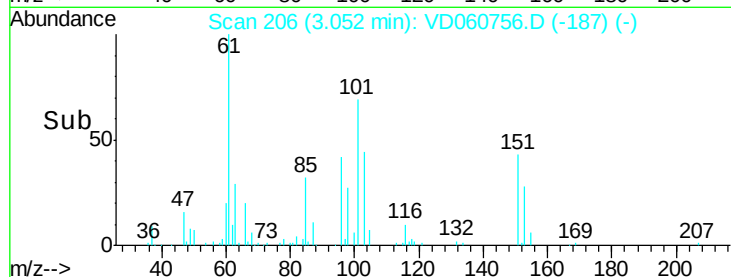
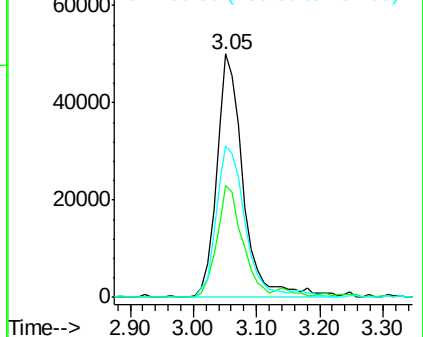
151 62.5 47.5 71.3



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

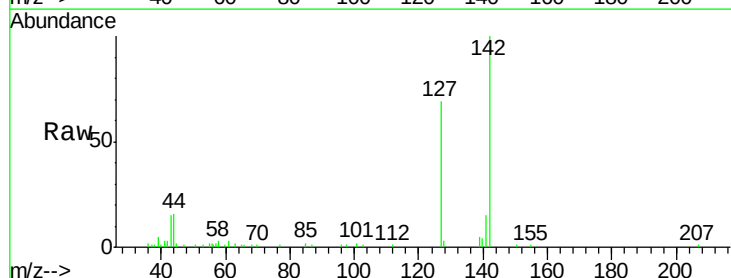
Tgt Ion:142 Resp: 160729

Ion Ratio Lower Upper

142 100

127 68.7 39.5 59.3#

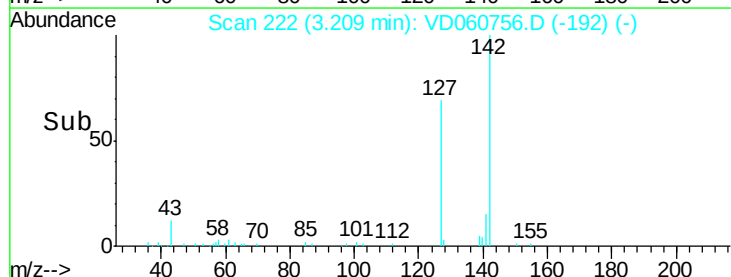
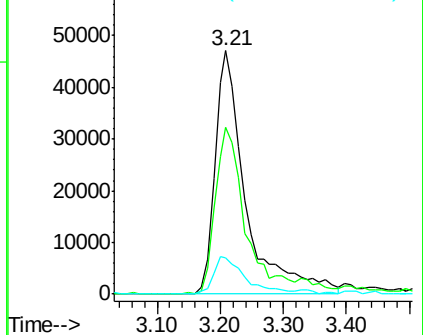
141 15.0 11.3 16.9

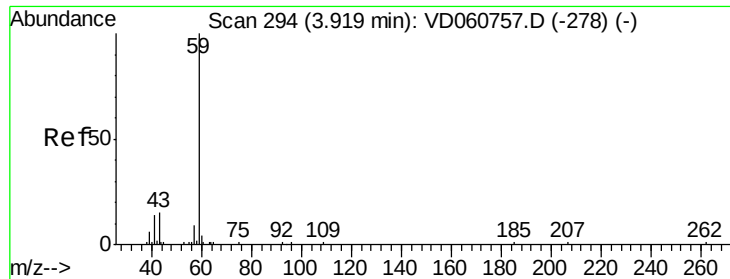


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

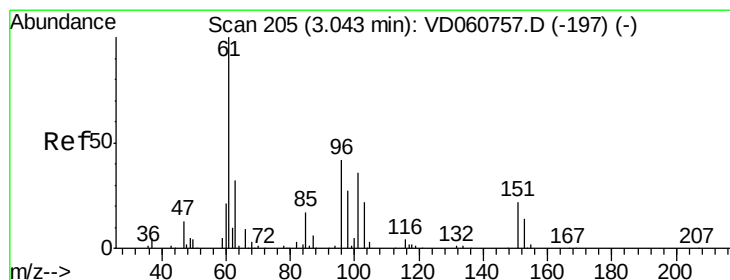
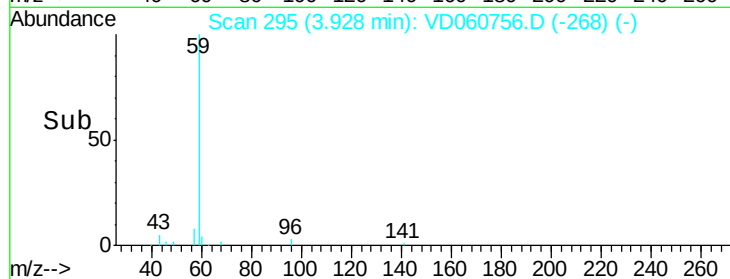
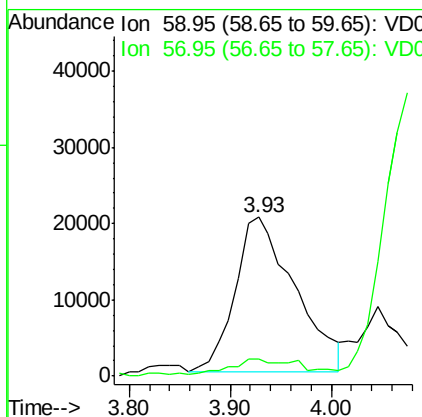
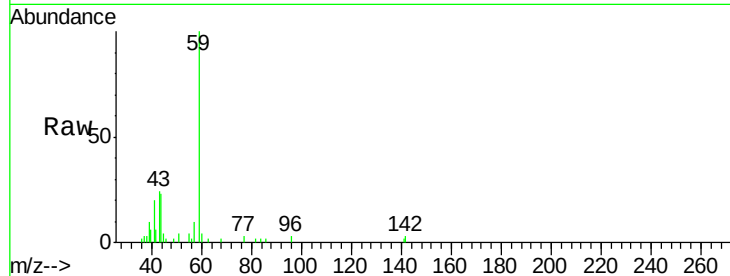




#11
Tert butyl alcohol
Concen: 210.403 ug/l
RT: 3.93 min Scan# 295
Delta R.T. 0.07 min
Lab File: VD060756.D
Acq: 18 Jan 2019 11:54

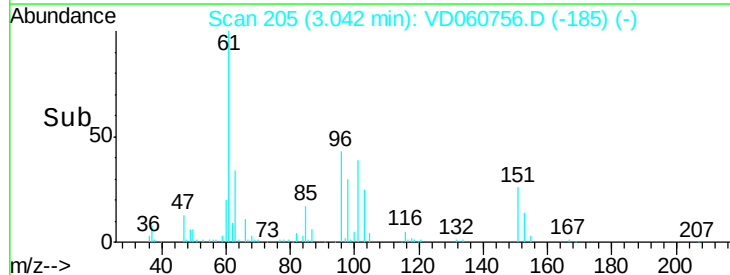
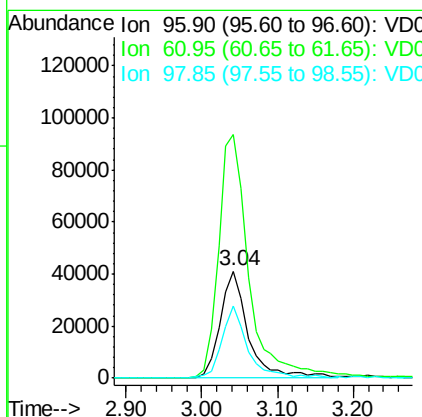
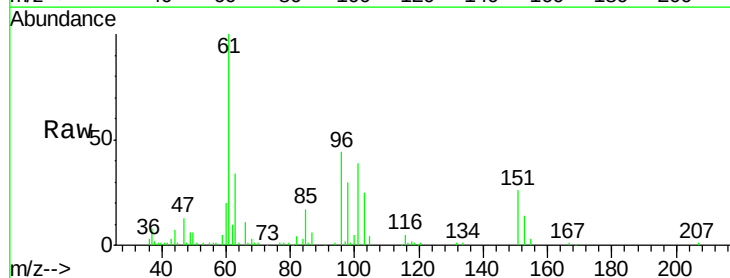
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

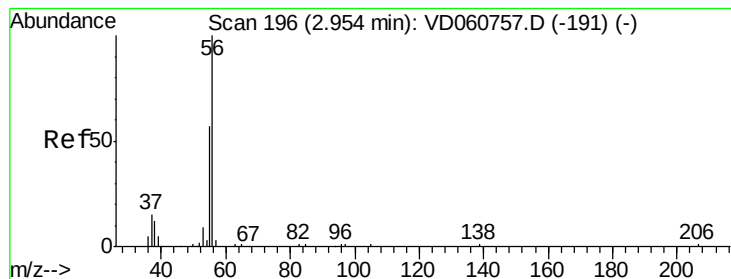
Tot Ion: 59 Resp: 83286
Ion Ratio Lower Upper
59 100
57 10.5 7.8 11.6



#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





#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 :

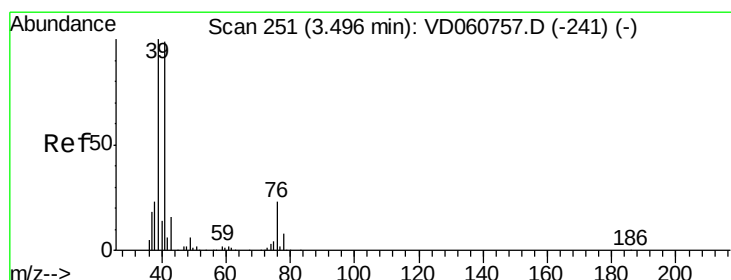
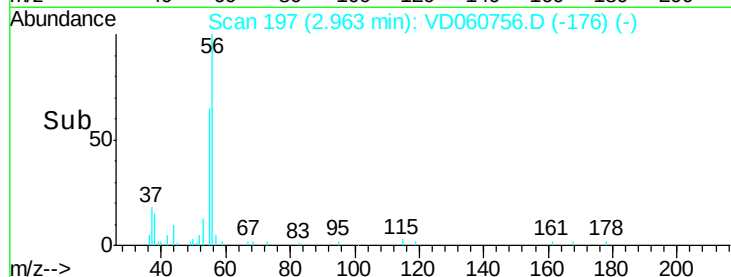
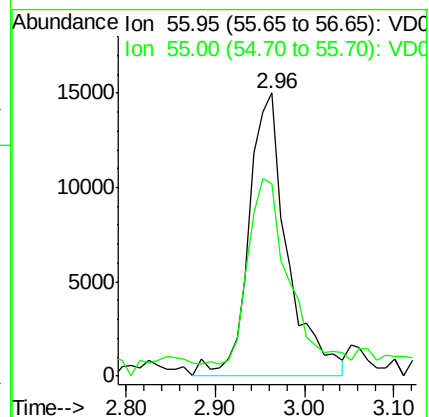
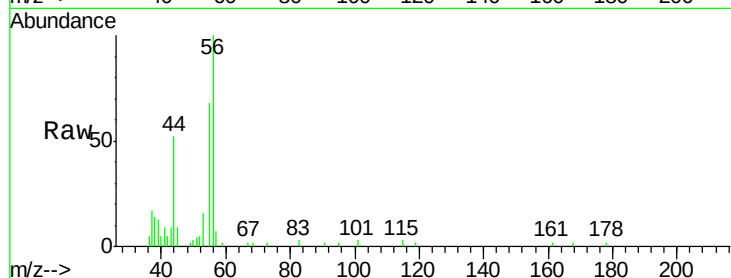
VSTDIC020

Tot Ion: 56 Resp: 44568

Ion Ratio Lower Upper

56 100

55 67.9 57.7 86.5



#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

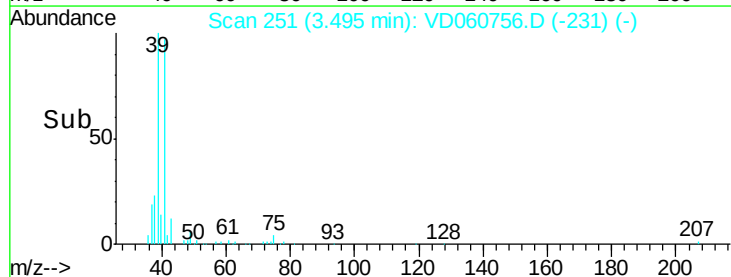
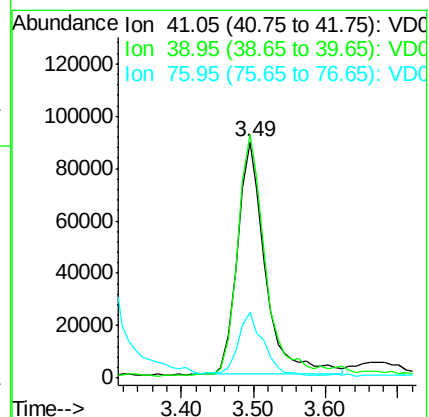
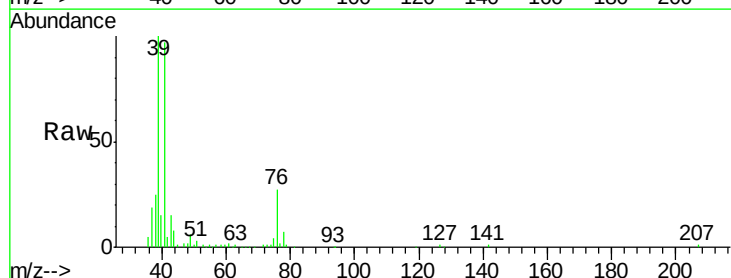
Tgt Ion: 41 Resp: 238423

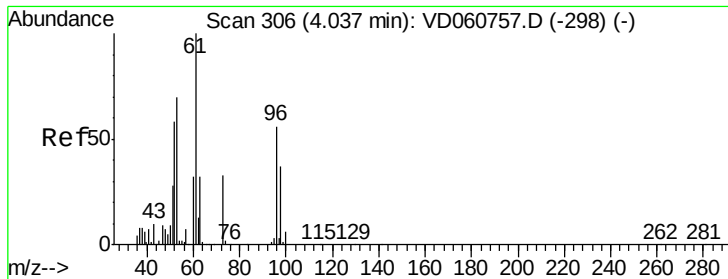
Ion Ratio Lower Upper

41 100

39 103.2 59.6 89.4#

76 27.6 21.8 32.6





#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

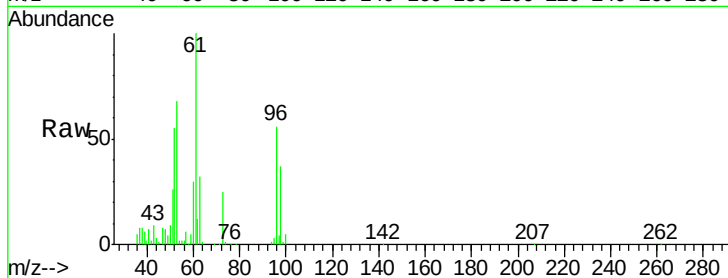
Tot Ion: 53 Resp: 274395

Ion Ratio Lower Upper

53 100

52 81.5 66.7 100.1

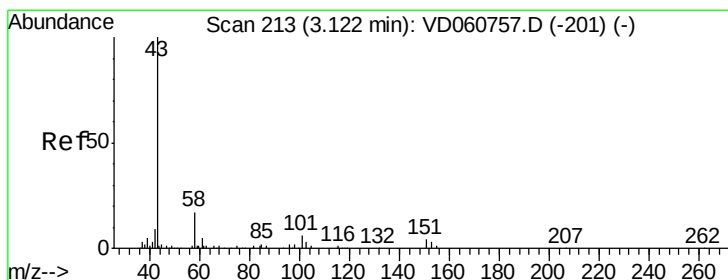
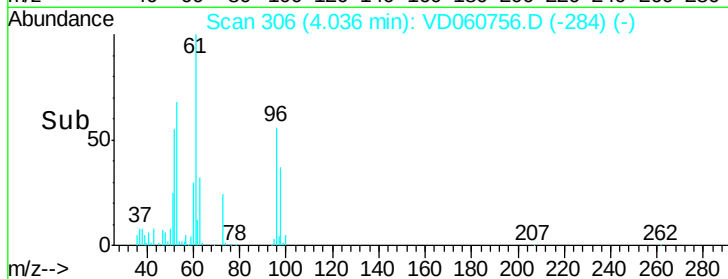
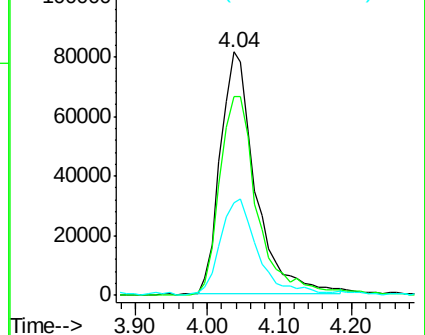
51 38.2 32.7 49.1



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 114.112 ug/l

RT: 3.13 min Scan# 214

Delta R.T. 0.02 min

Lab File: VD060756.D

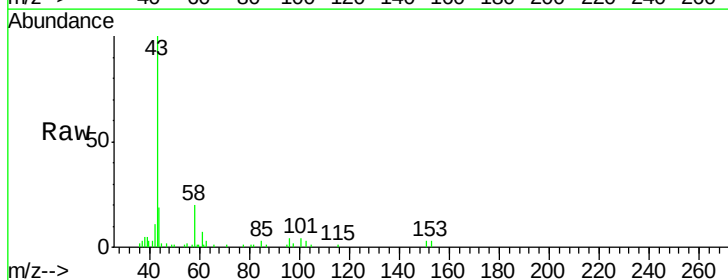
Acq: 18 Jan 2019 11:54

Tgt Ion: 43 Resp: 188751

Ion Ratio Lower Upper

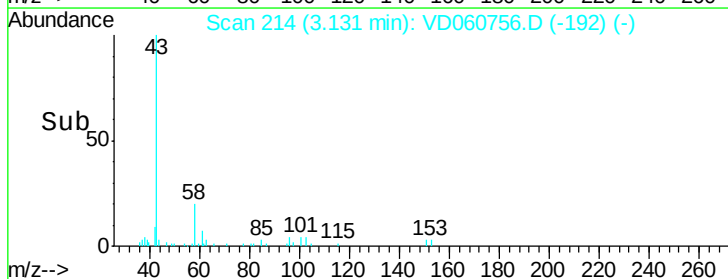
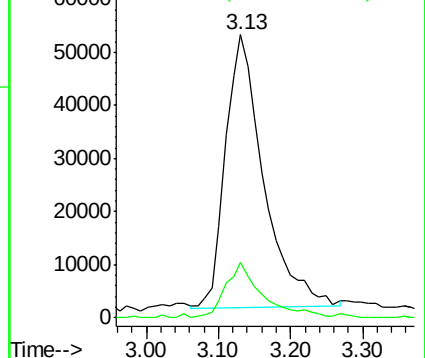
43 100

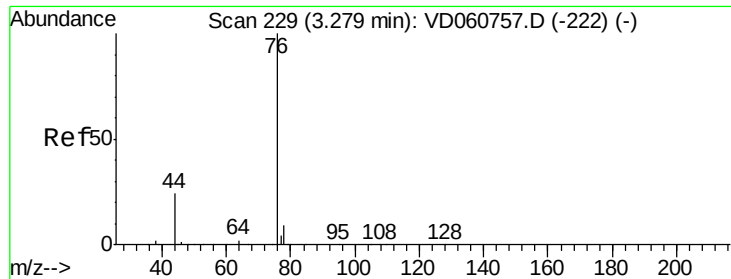
58 19.7 18.2 27.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

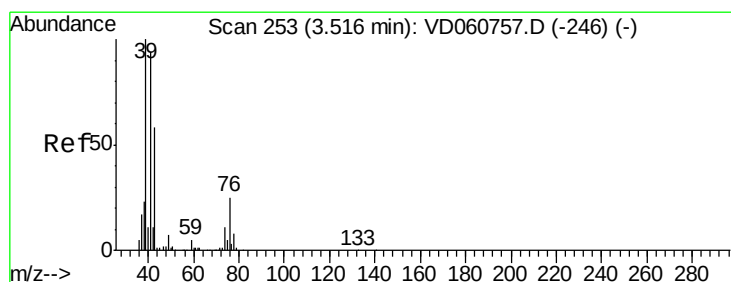
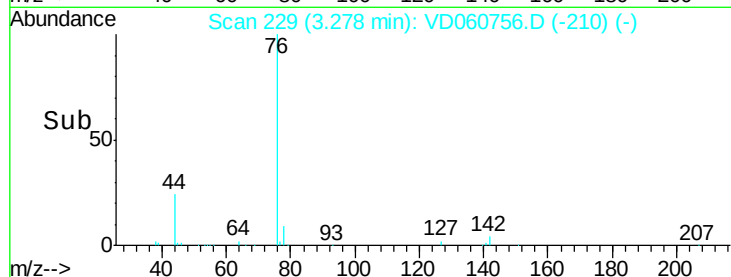
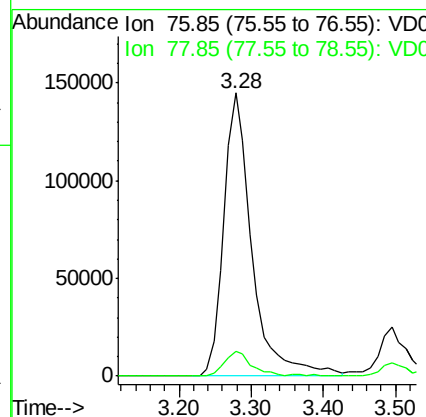
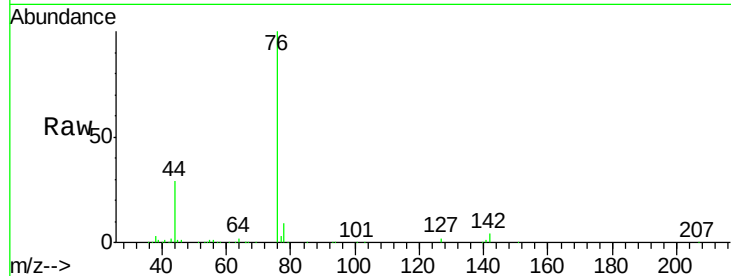




#17
Carbon Disulfide
Concen: 16.119 ug/l
RT: 3.28 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD060756.D
Acq: 18 Jan 2019 11:54

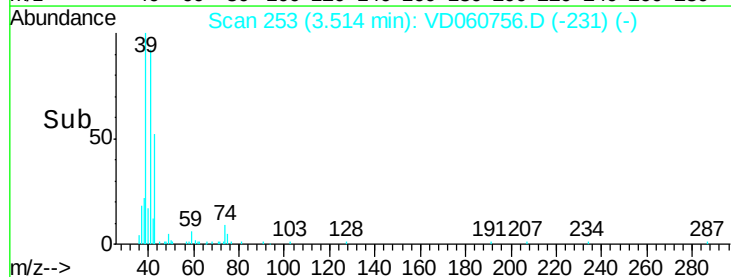
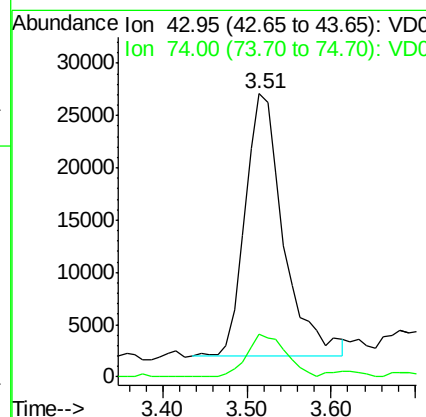
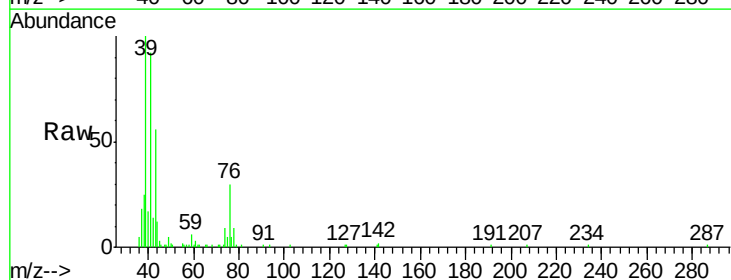
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

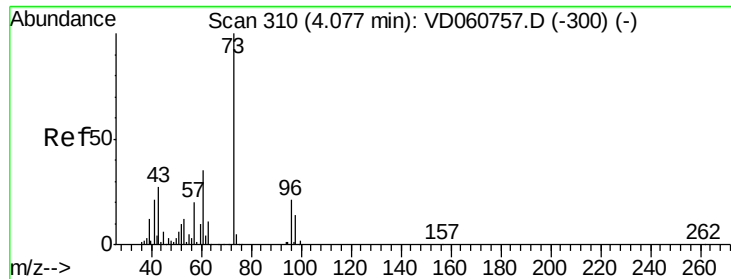
Tot Ion: 76 Resp: 390509
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.0



#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



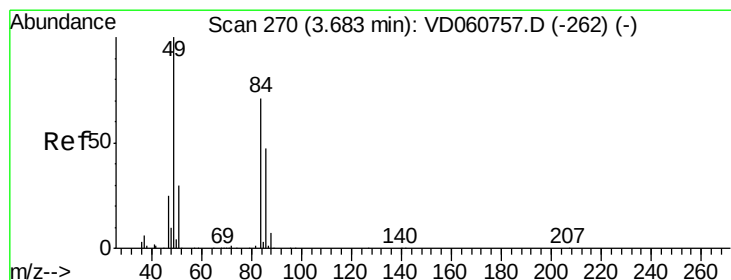
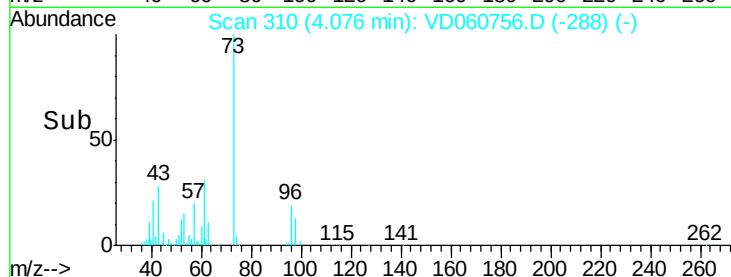
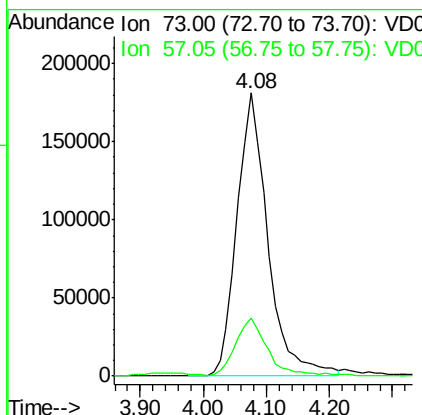
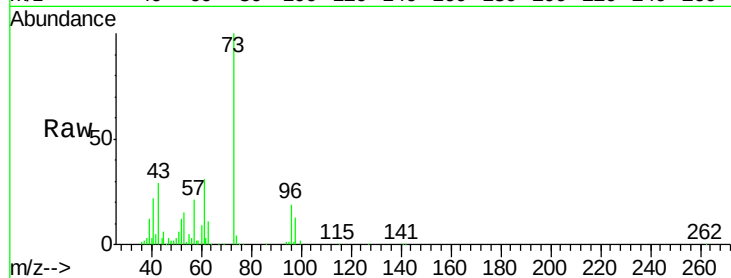


#19

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

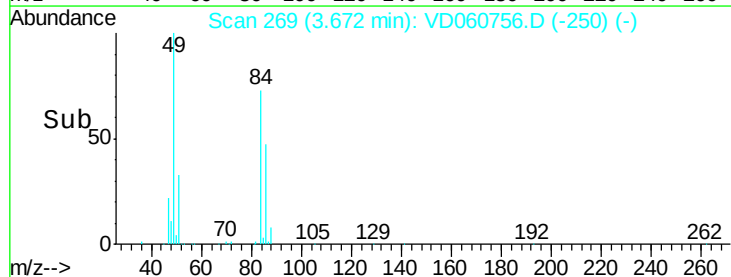
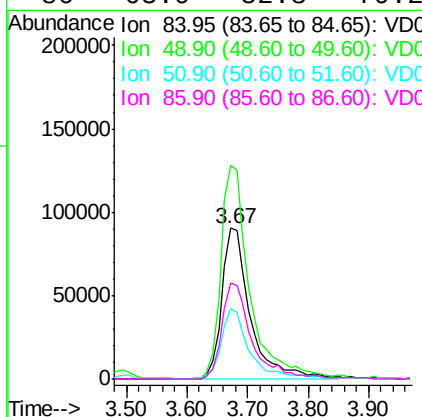
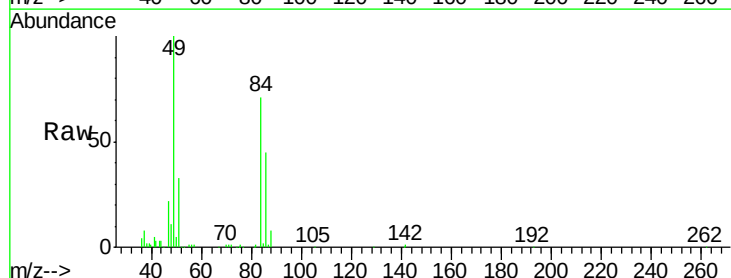
Tot Ion: 73 Resp: 615628
 Ion Ratio Lower Upper
 73 100
 57 20.5 17.6 26.4

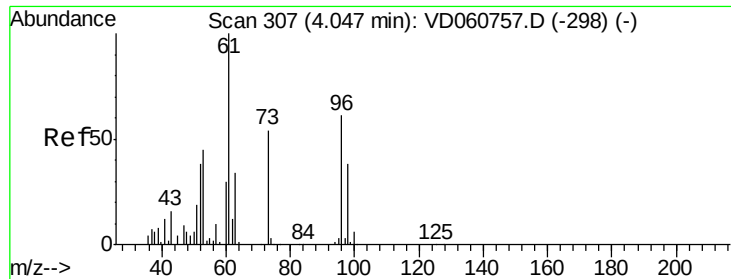


#20

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

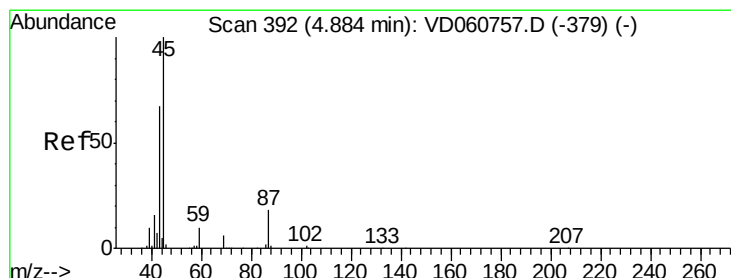
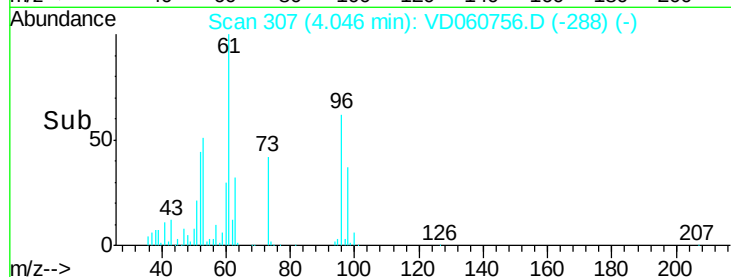
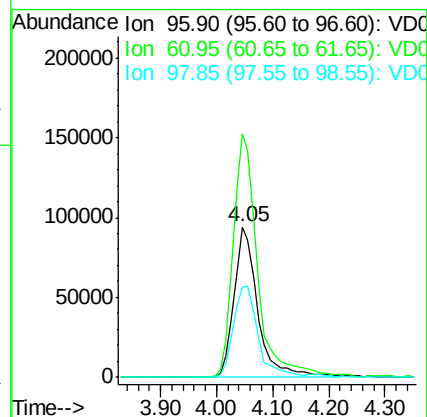
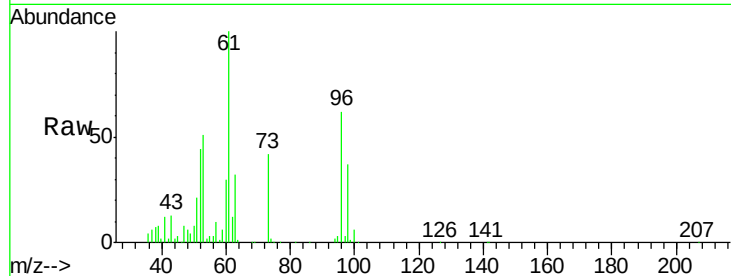
Tot Ion: 96 Resp: 276790

Ion Ratio Lower Upper

96 100

61 161.7 104.2 156.2#

98 60.0 51.2 76.8



#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

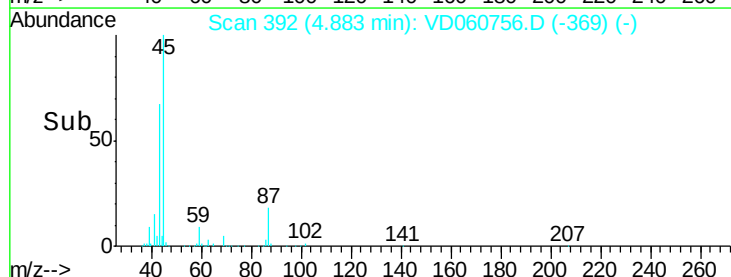
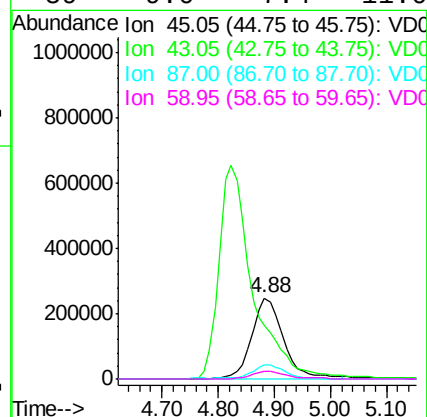
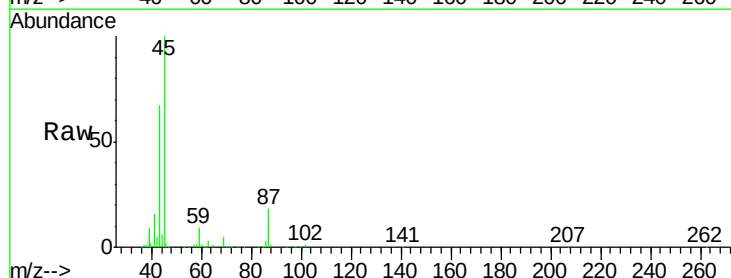
Ion Ratio Lower Upper

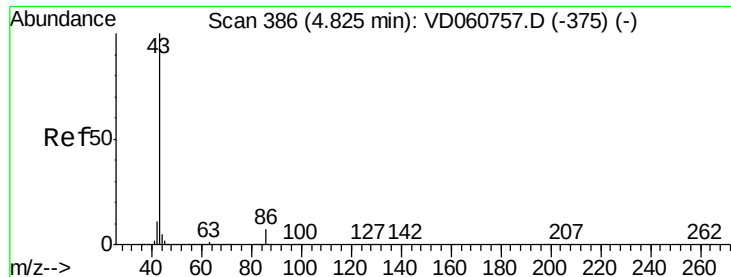
45 100

43 67.0 46.1 69.1

87 18.0 13.7 20.5

59 9.0 7.4 11.0





#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 :

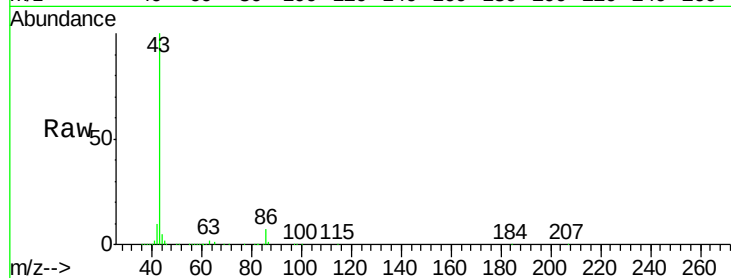
VSTDIC020

Tot Ion: 43 Resp: 2727011

Ion Ratio Lower Upper

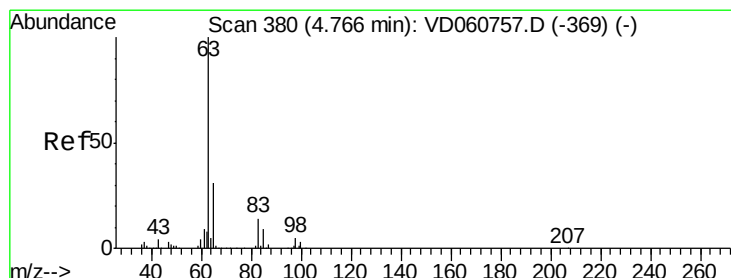
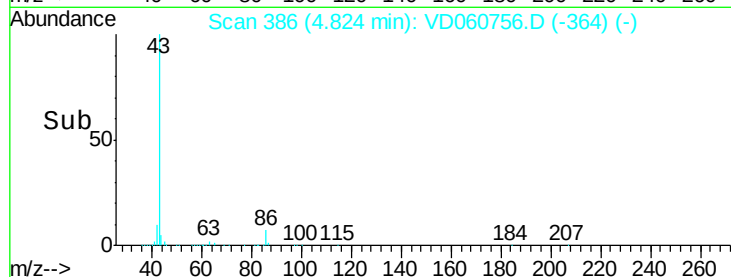
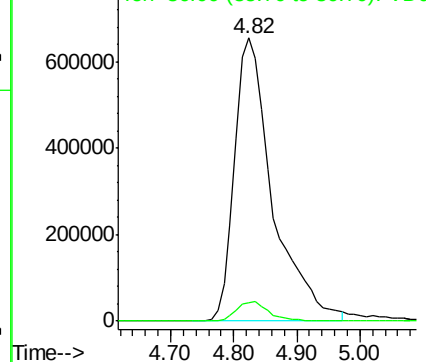
43 100

86 6.6 5.6 8.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#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

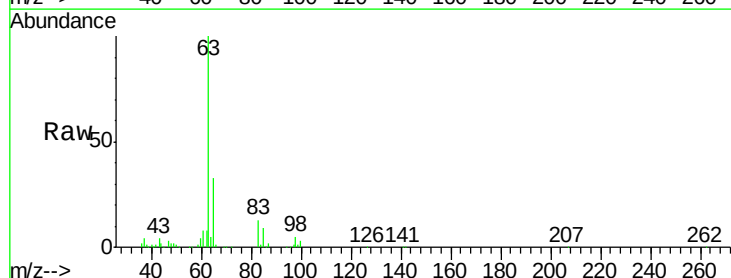
Tgt Ion: 63 Resp: 540492

Ion Ratio Lower Upper

63 100

98 5.4 2.9 8.7

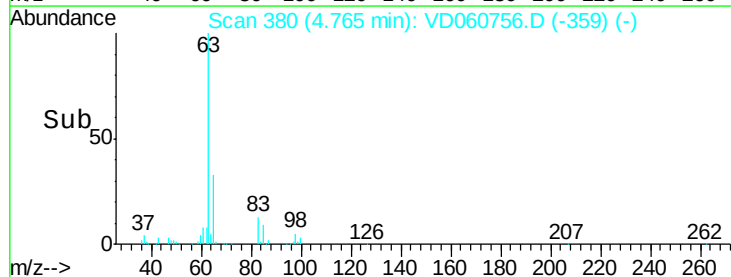
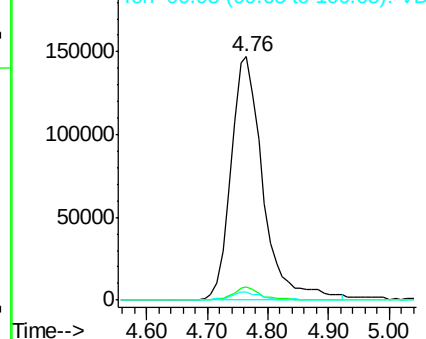
100 3.4 2.0 5.8

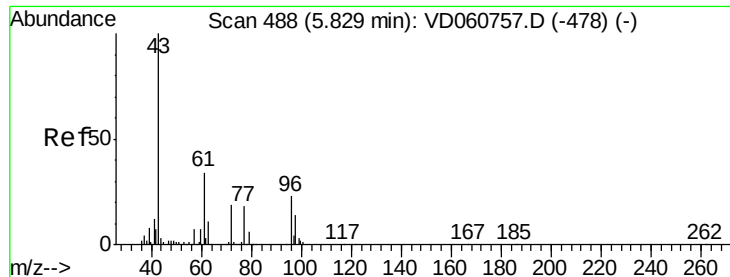


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

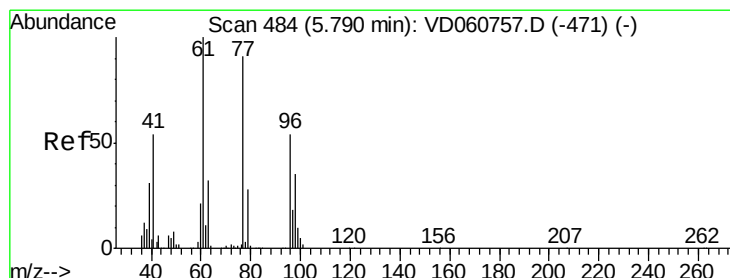
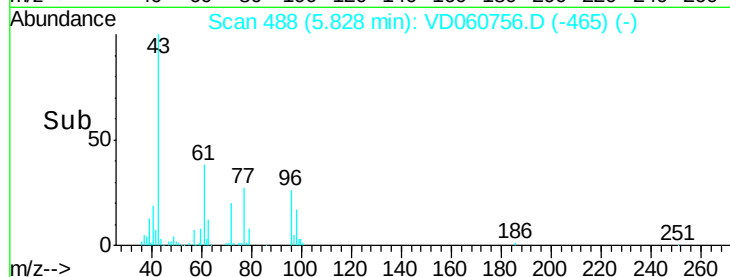
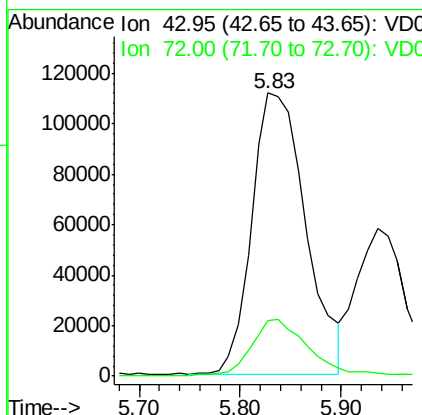
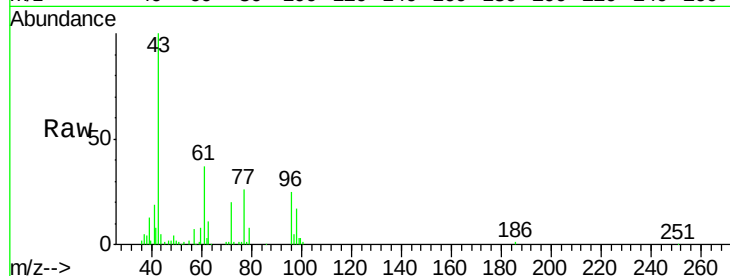




#25
2-Butanone
Concen: 130.555 ug/l
RT: 5.83 min Scan# 488
Delta R.T. 0.03 min
Lab File: VD060756.D
Acq: 18 Jan 2019 11:54

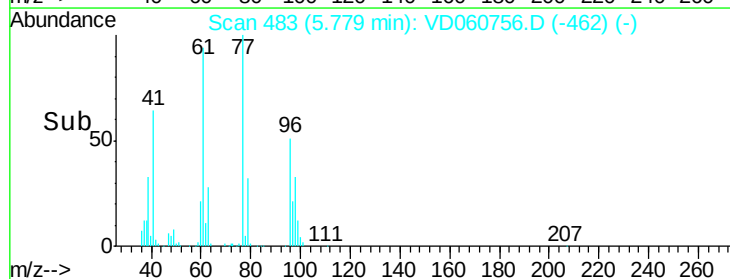
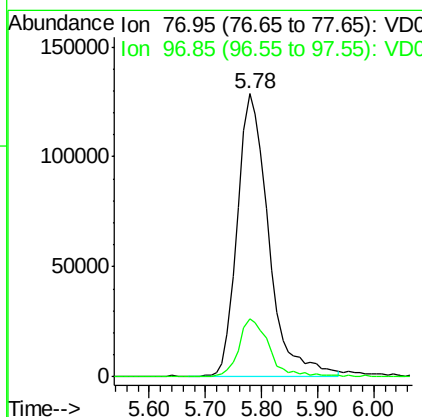
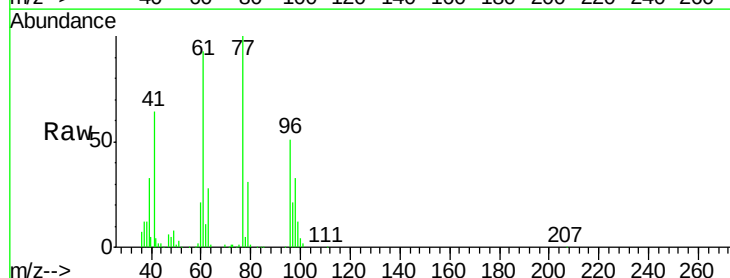
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

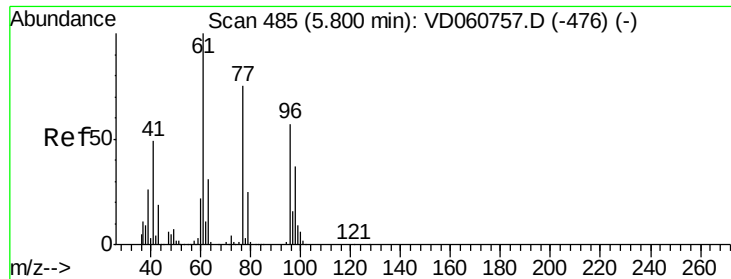
Tot Ion: 43 Resp: 413234
Ion Ratio Lower Upper
43 100
72 19.9 13.7 20.5



#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



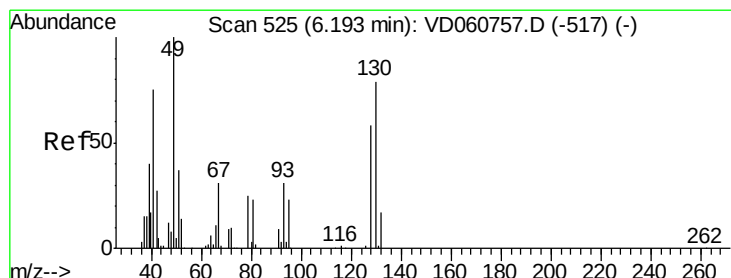
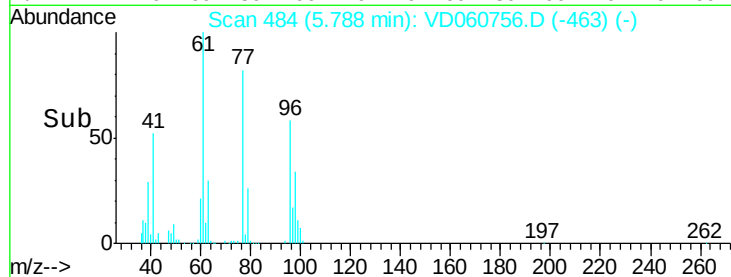
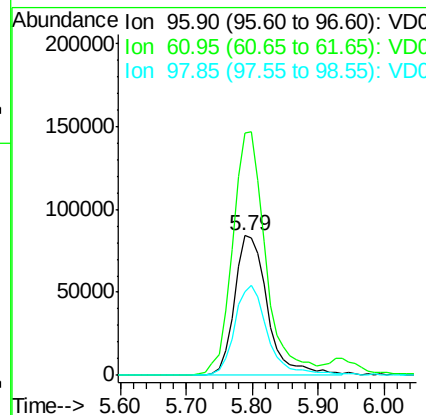
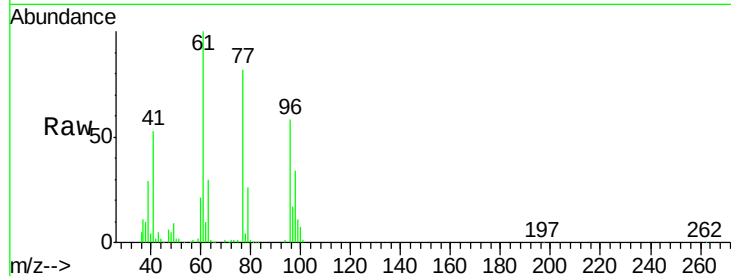


#27

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

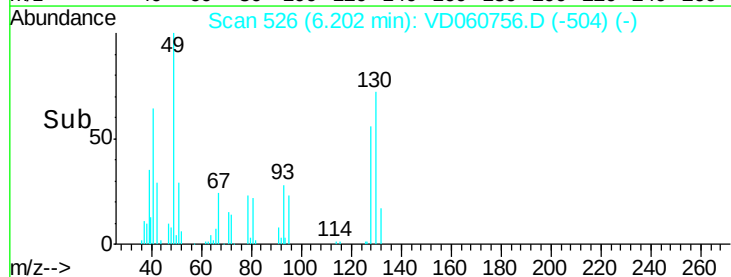
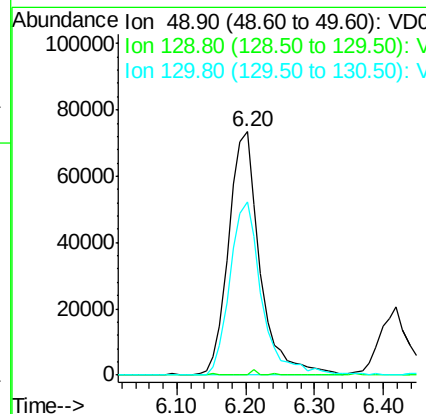
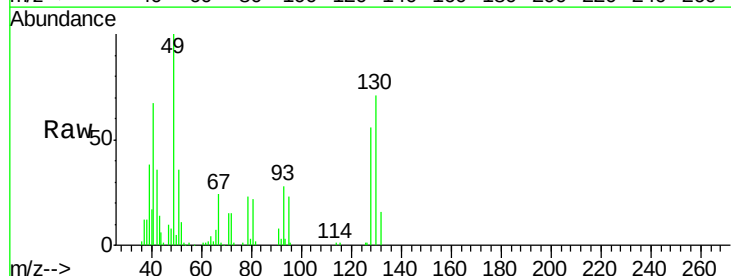
Tot Ion	96	Resp	296599
Ion	Ratio	Lower	Upper
96	100		
61	173.8	0.0	259.4
98	59.9	0.0	130.0

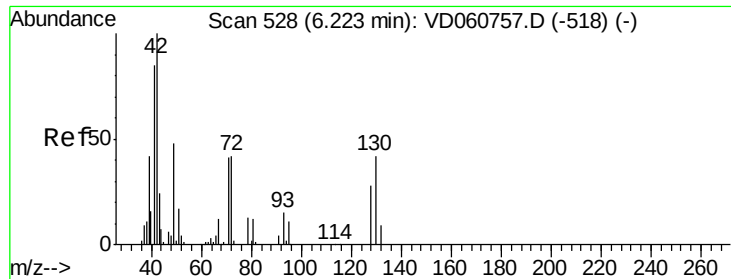


#28

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

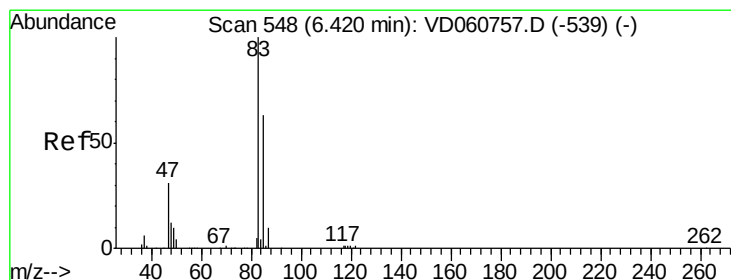
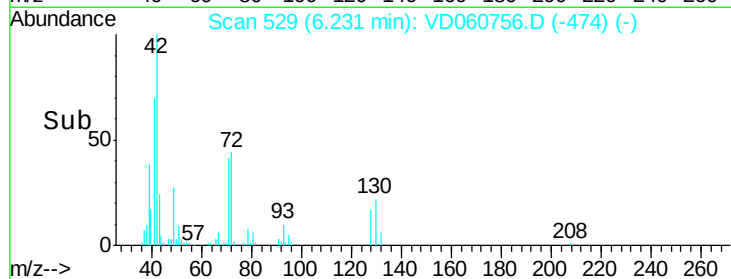
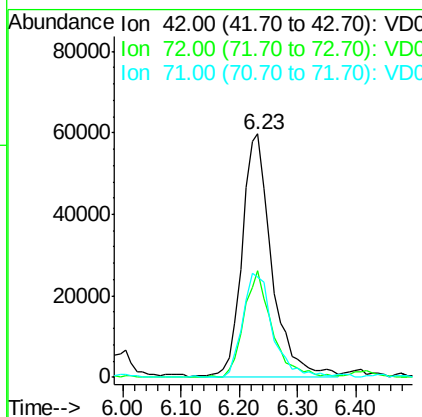
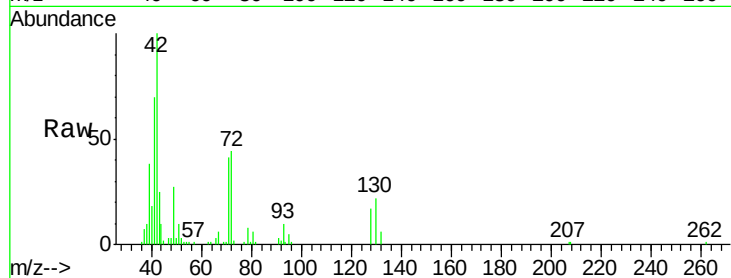




#29
Tetrahydrofuran
Concen: 119.084 ug/l
RT: 6.23 min Scan# 529
Delta R.T. 0.04 min
Lab File: VD060756.D
Acq: 18 Jan 2019 11:54

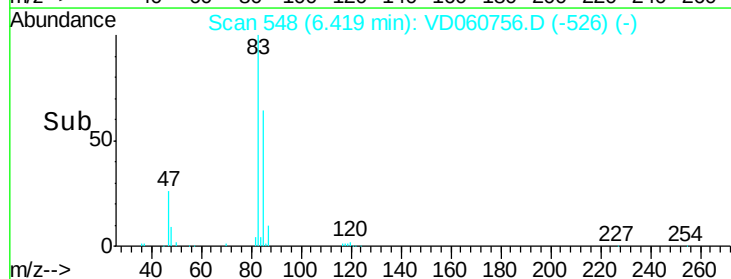
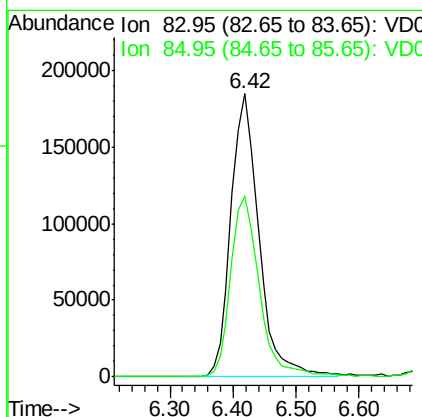
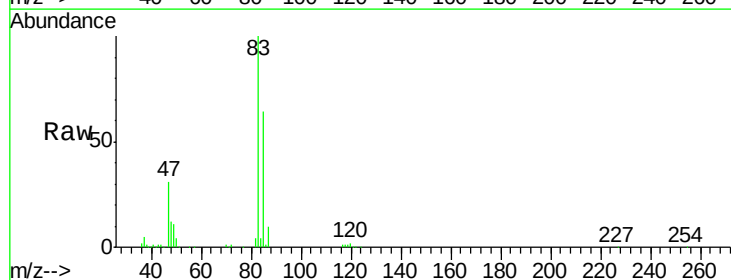
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

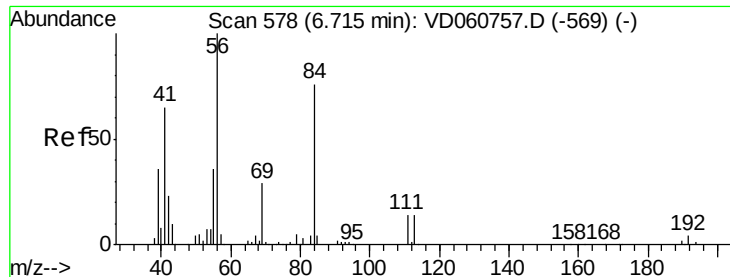
Tot Ion: 42 Resp: 213680
Ion Ratio Lower Upper
42 100
72 41.1 28.0 42.0
71 42.8 27.0 40.6#



#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

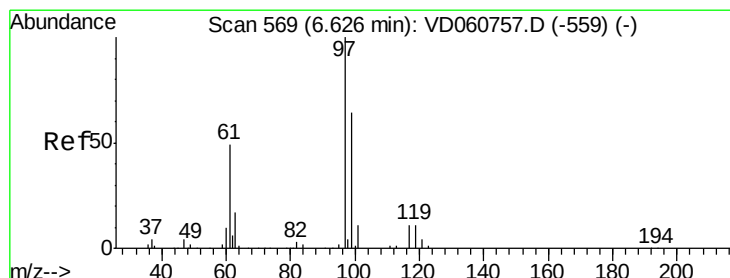
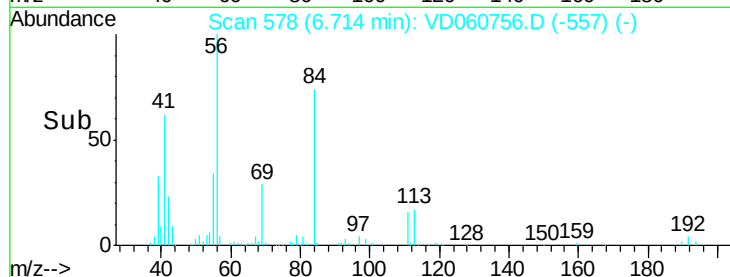
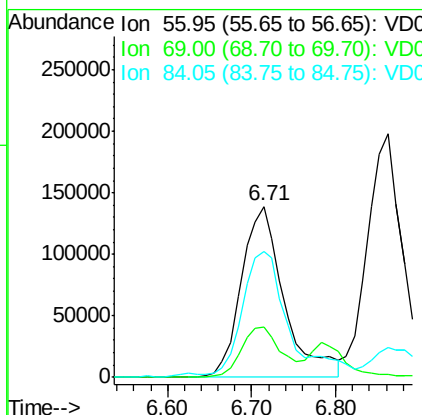
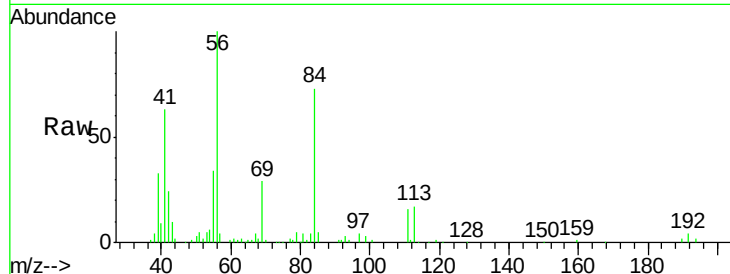




#31
Cyclohexane
Concen: 20.606 ug/l
RT: 6.71 min Scan# 578
Delta R.T. 0.01 min
Lab File: VD060756.D
Acq: 18 Jan 2019 11:54

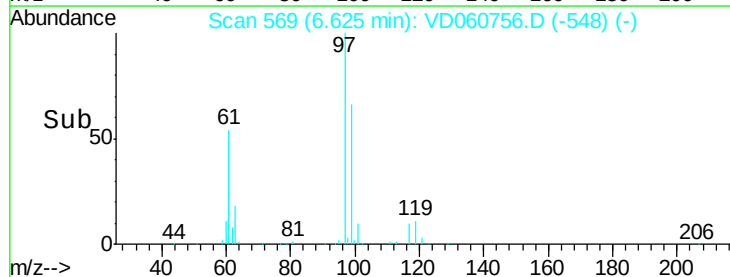
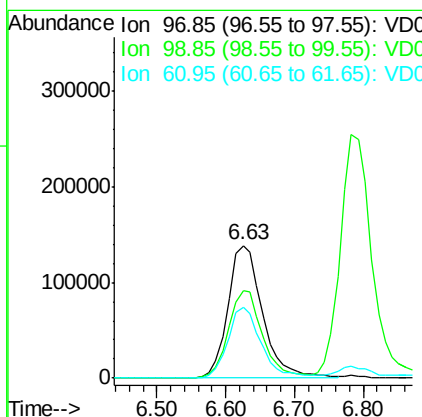
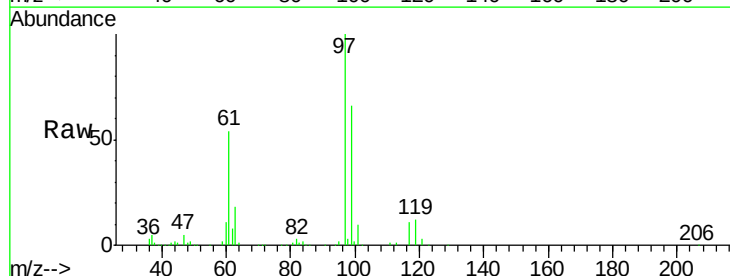
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

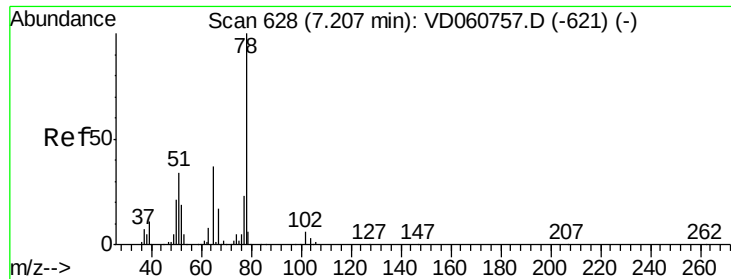
Tot Ion	56	Resp	492954
Ion	Ratio	Lower	Upper
56	100		
69	29.1	23.6	35.4
84	73.5	65.8	98.6



#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#

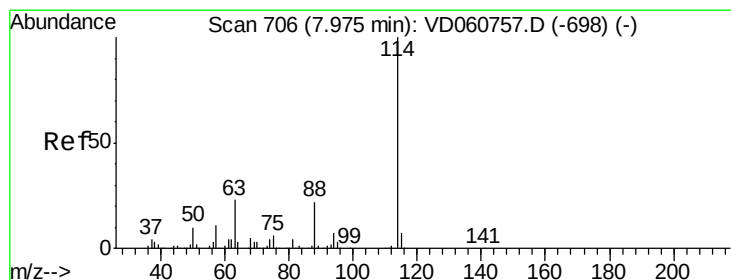
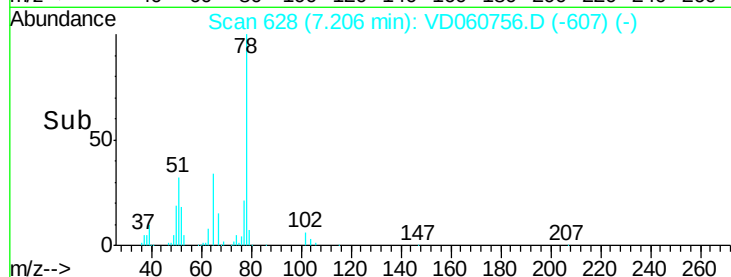
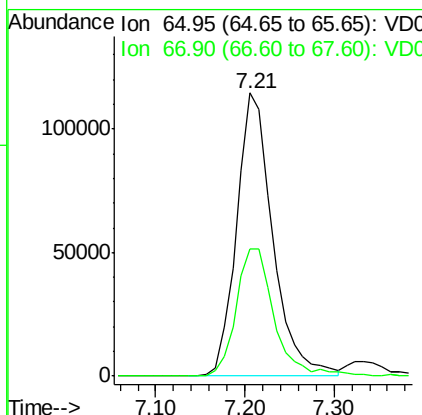
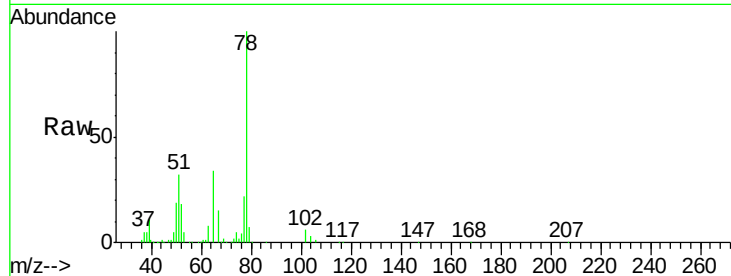




#33
 1,2-Dichloroethane-d4
 Concen: 23.364 ug/l
 RT: 7.21 min Scan# 628
 Delta R.T. 0.01 min
 Lab File: VD060756.D
 Acq: 18 Jan 2019 11:54

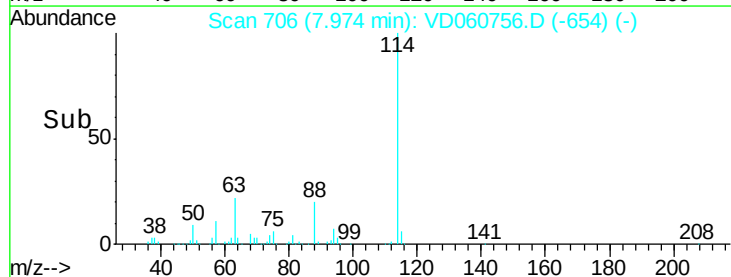
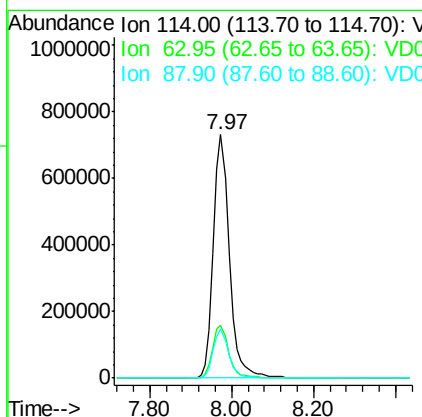
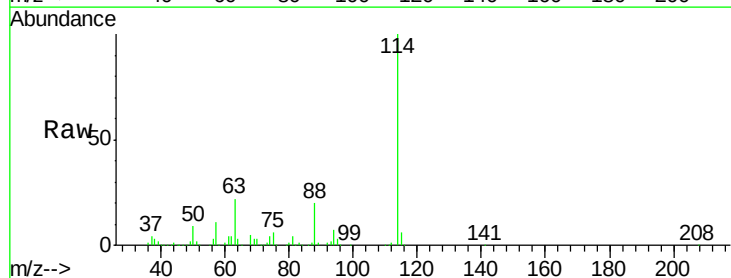
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

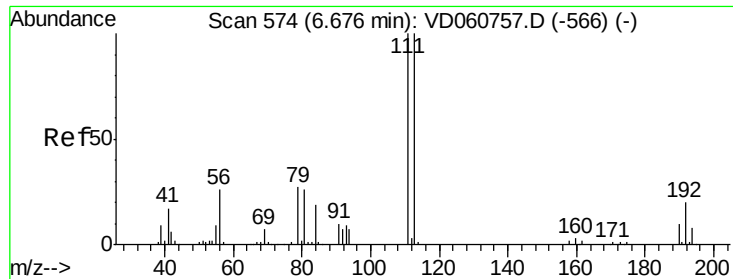
Tot Ion: 65 Resp: 322783
 Ion Ratio Lower Upper
 65 100
 67 44.9 0.0 105.4



#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

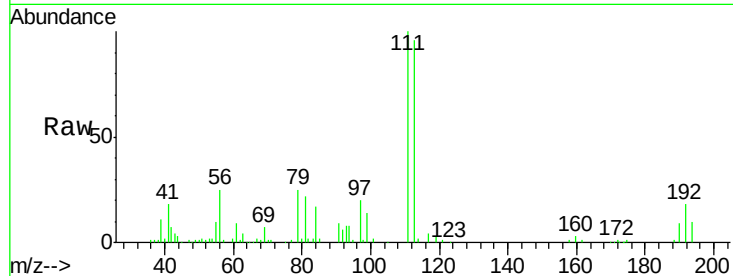
Tot Ion:113 Resp: 335392

Ion Ratio Lower Upper

113 100

111 103.7 80.0 120.0

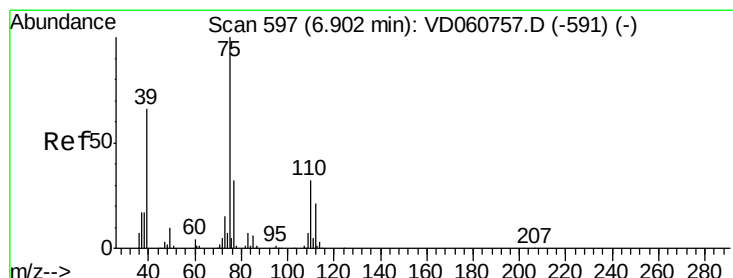
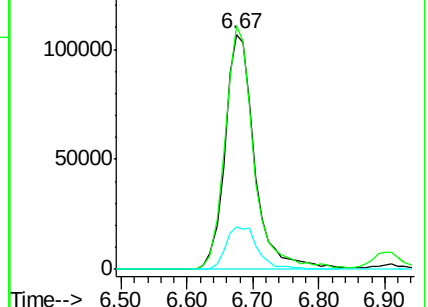
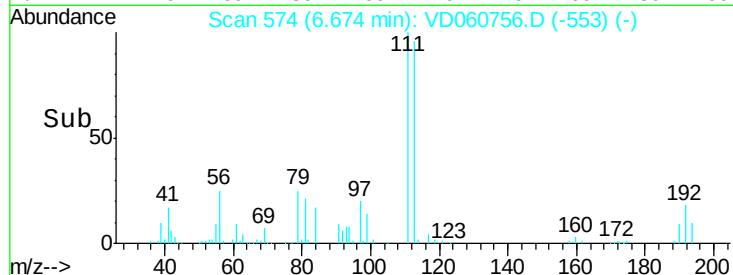
192 18.4 16.6 25.0



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

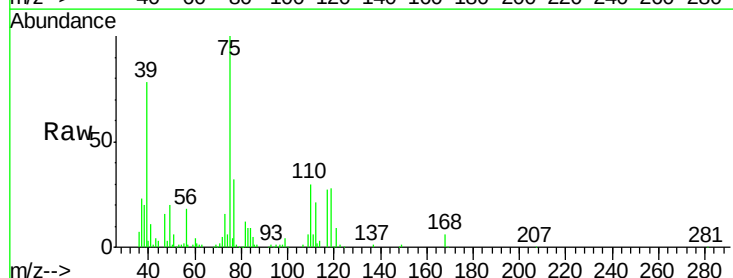
Tgt Ion: 75 Resp: 420341

Ion Ratio Lower Upper

75 100

110 30.4 18.9 56.7

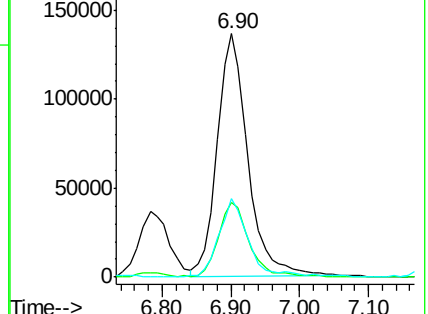
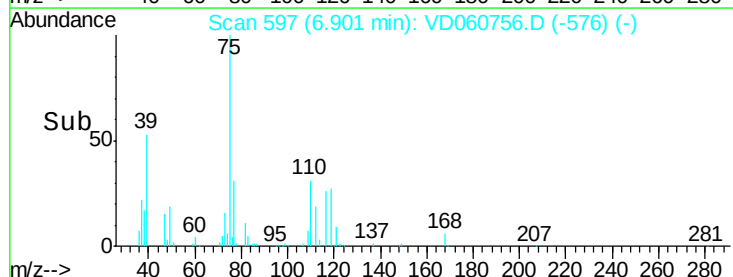
77 32.0 25.4 38.0

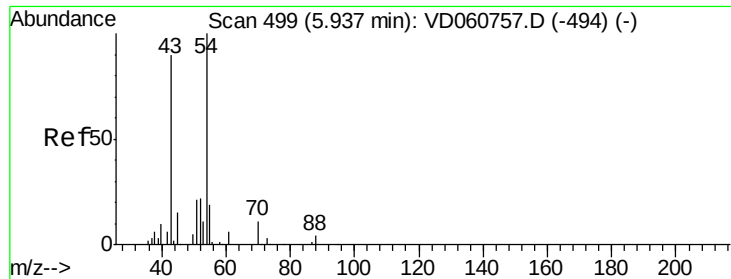


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

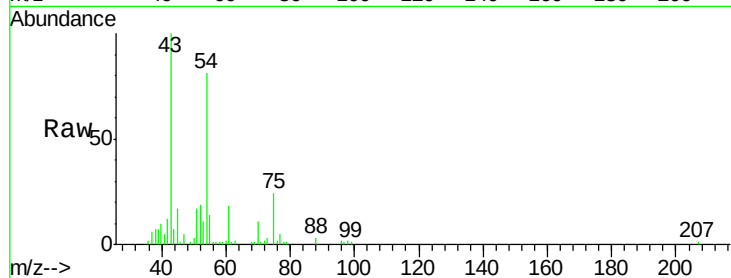




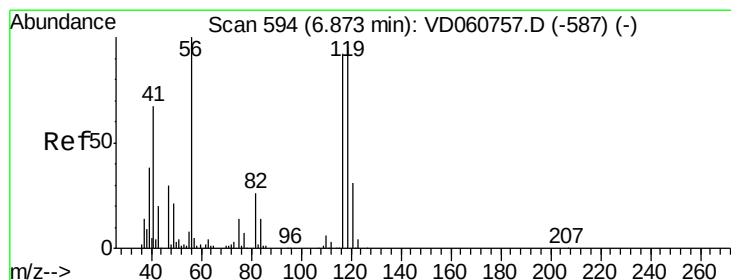
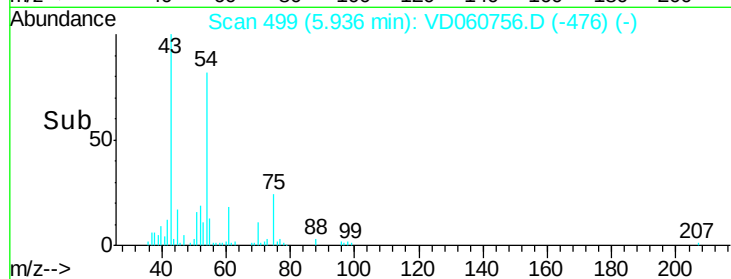
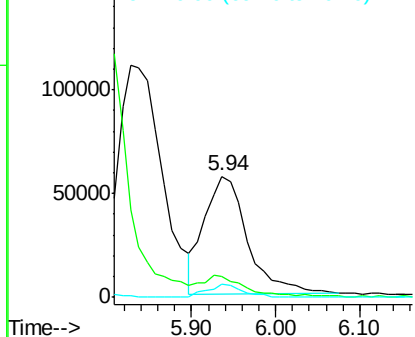
#37
Ethyl Acetate
Concen: 23.360 ug/l
RT: 5.94 min Scan# 499
Delta R.T. 0.03 min
Lab File: VD060756.D
Acq: 18 Jan 2019 11:54

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#

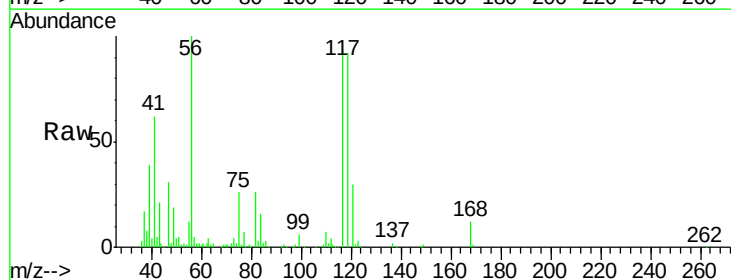


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

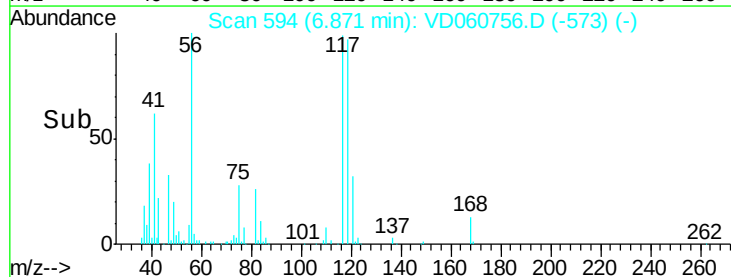
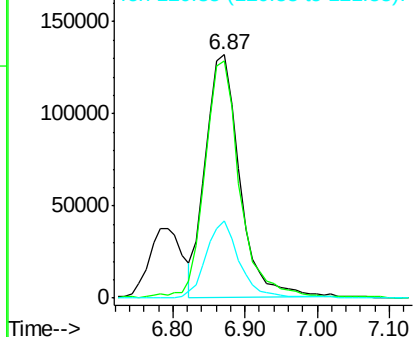


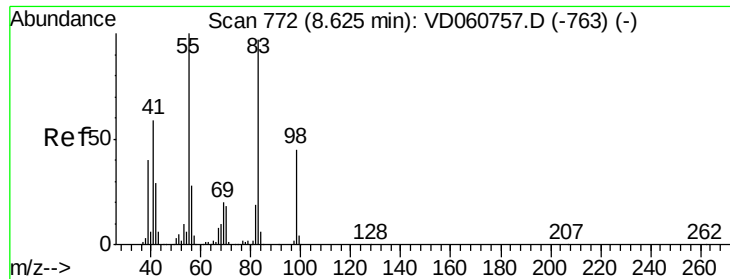
#38
Carbon Tetrachloride
Concen: 23.745 ug/l
RT: 6.87 min Scan# 594
Delta R.T. 0.01 min
Lab File: VD060756.D
Acq: 18 Jan 2019 11:54

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

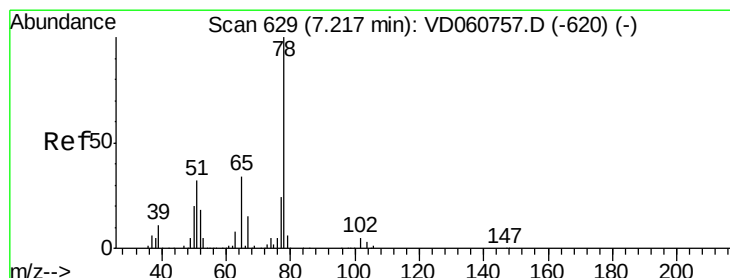
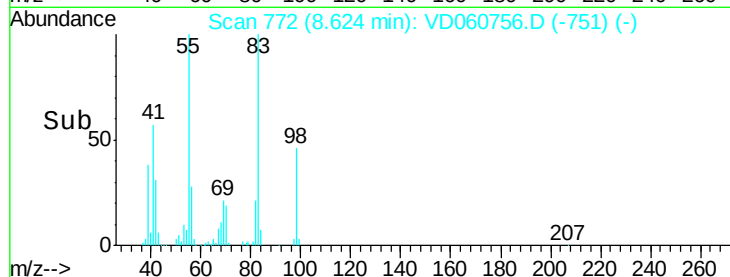
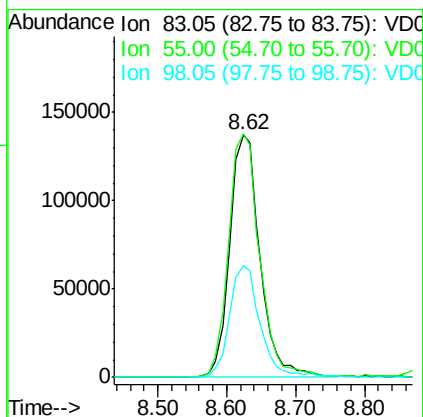
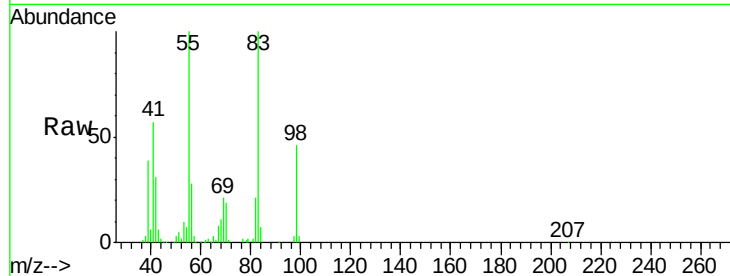




#39
Methylvlcyclohexane
Concen: 17.871 ug/l
RT: 8.62 min Scan# 772
Delta R.T. 0.01 min
Lab File: VD060756.D
Acq: 18 Jan 2019 11:54

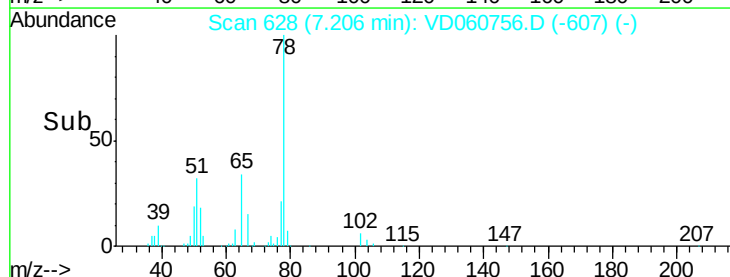
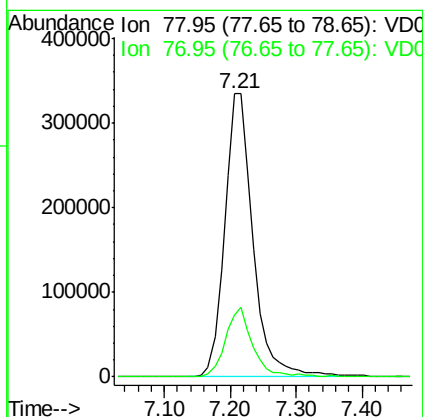
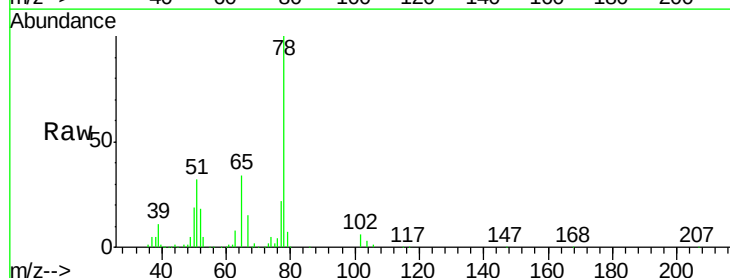
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

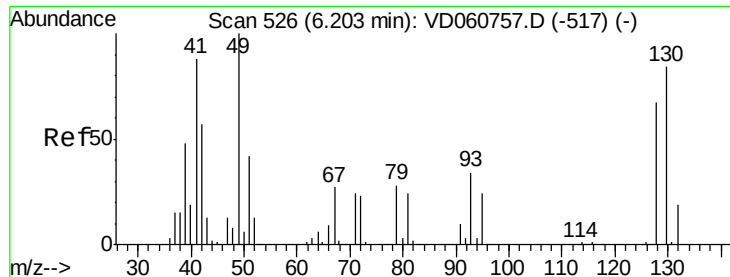
Tot Ion: 83 Resp: 417785
Ion Ratio Lower Upper
83 100
55 100.3 68.6 102.8
98 45.8 38.1 57.1



#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

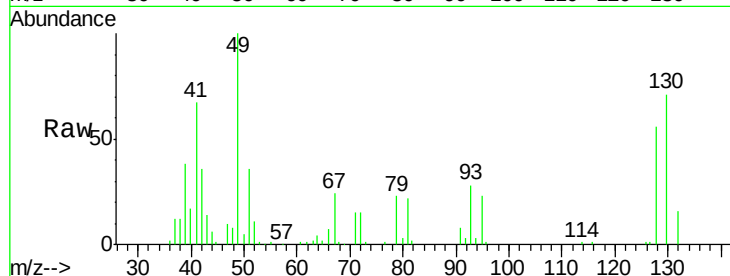




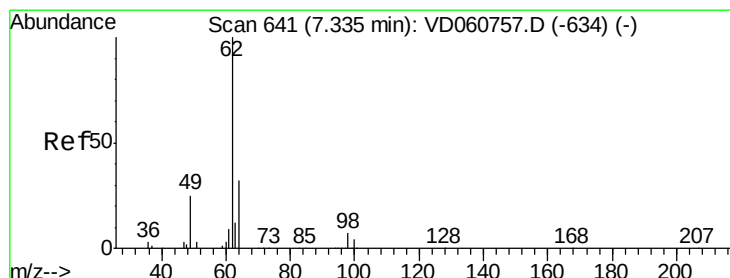
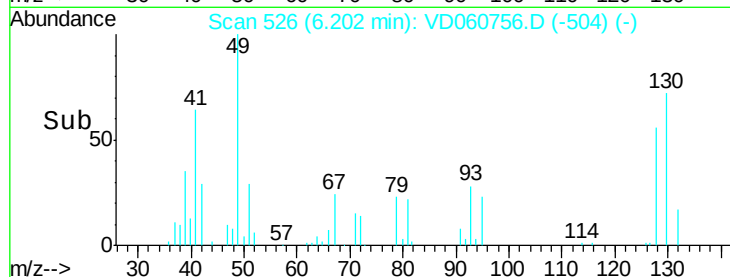
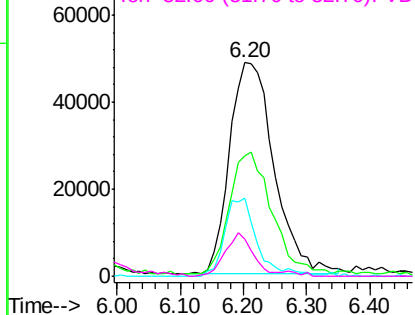
#41
Methacrylonitrile
Concen: 50.387 ug/l
RT: 6.20 min Scan# 526
Delta R.T. 0.02 min
Lab File: VD060756.D
Acq: 18 Jan 2019 11:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion:	41	Resp:	238926
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

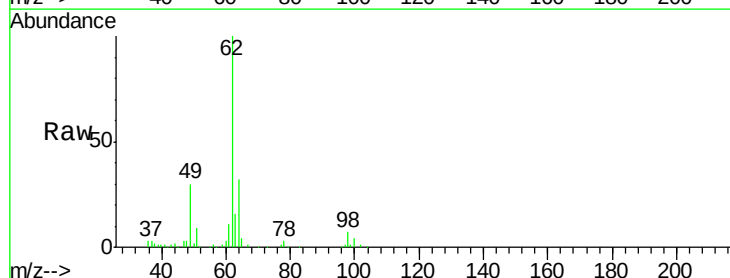


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

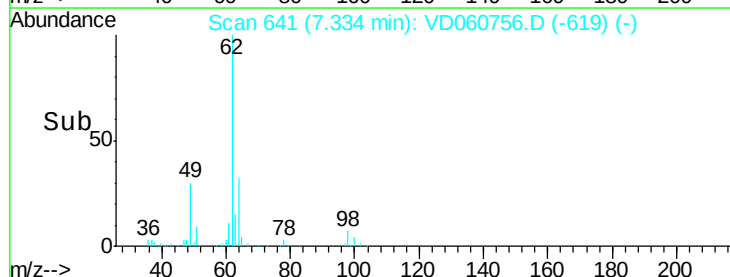
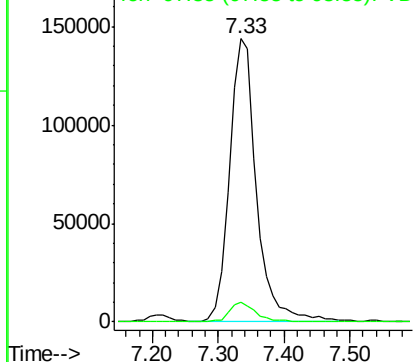


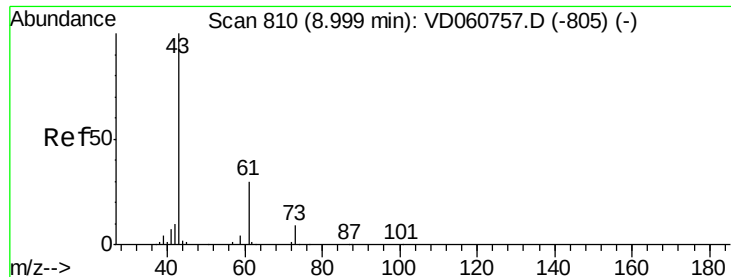
#42
1,2-Dichloroethane
Concen: 31.453 ug/l
RT: 7.33 min Scan# 641
Delta R.T. 0.02 min
Lab File: VD060756.D
Acq: 18 Jan 2019 11:54

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

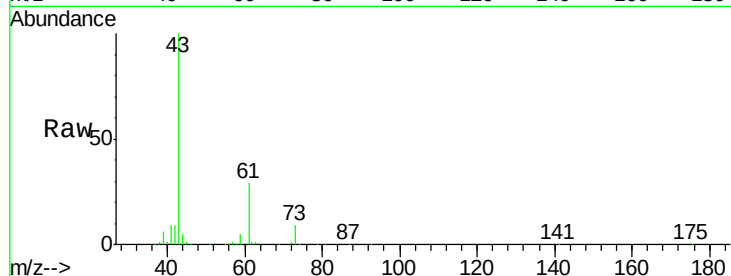
Tot Ion: 43 Resp: 287399

Ion Ratio Lower Upper

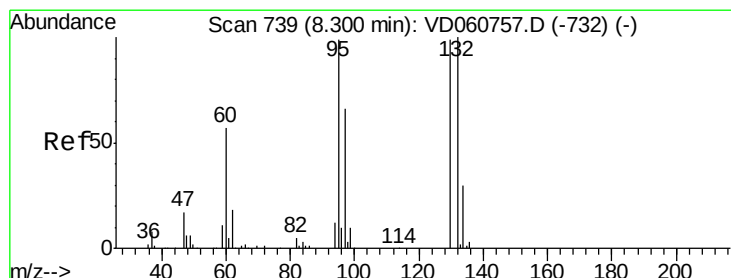
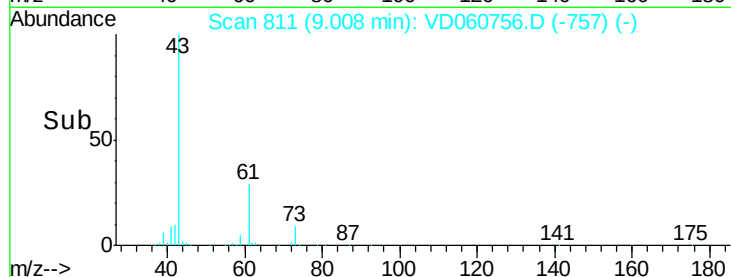
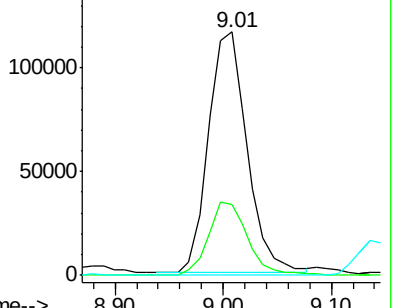
43 100

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

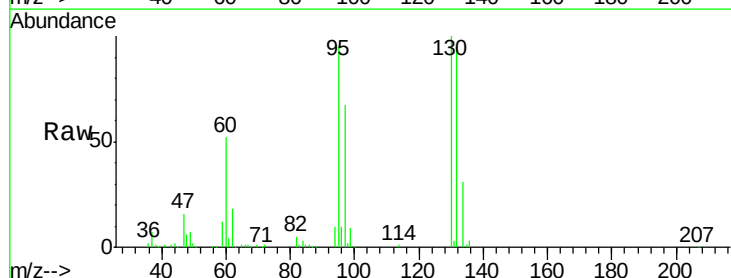
Acq: 18 Jan 2019 11:54

Tgt Ion:130 Resp: 313546

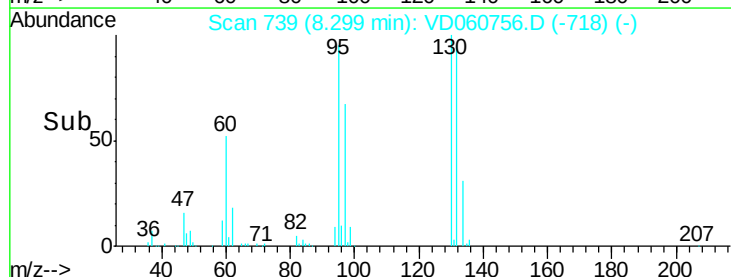
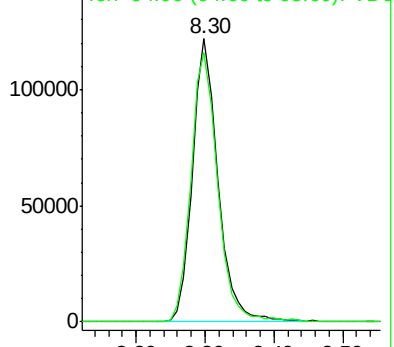
Ion Ratio Lower Upper

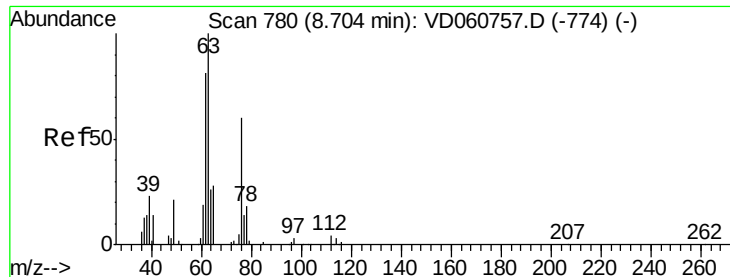
130 100

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

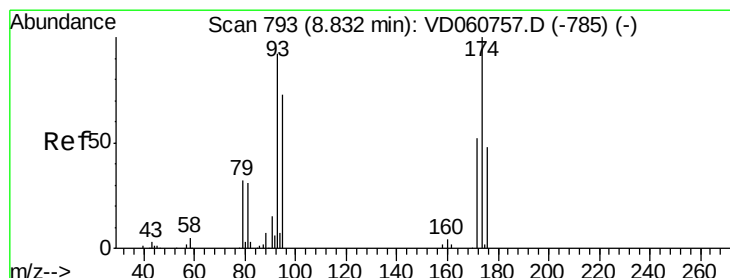
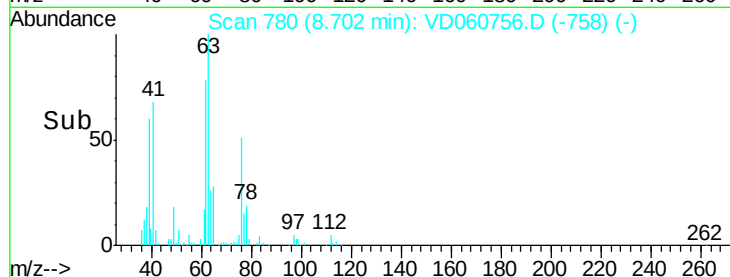
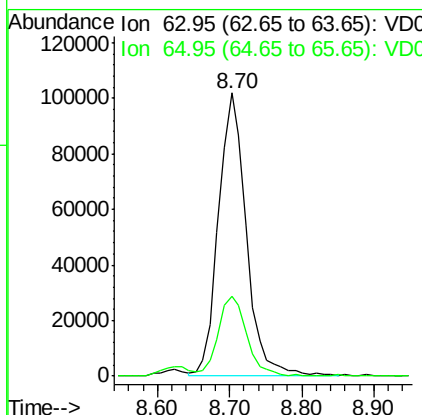
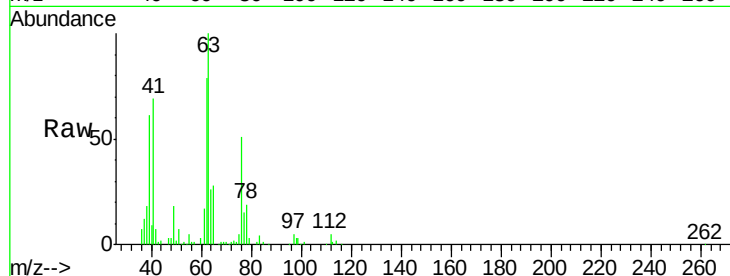




#45
 1,2-Dichloropropane
 Concen: 20.762 ug/l
 RT: 8.70 min Scan# 780
 Delta R.T. 0.02 min
 Lab File: VD060756.D
 Acq: 18 Jan 2019 11:54

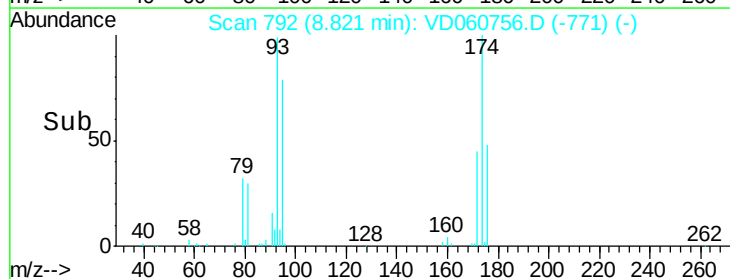
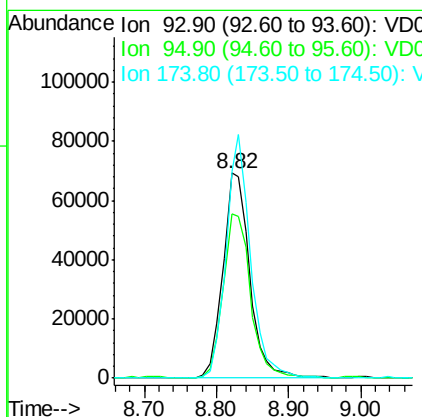
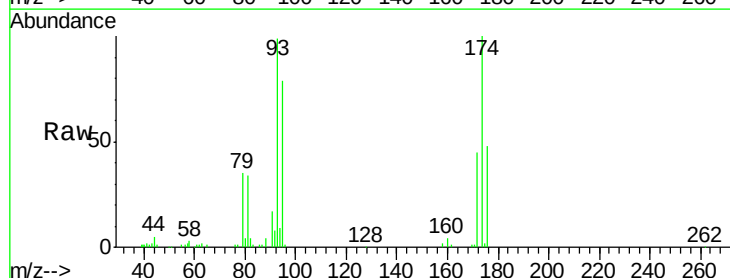
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

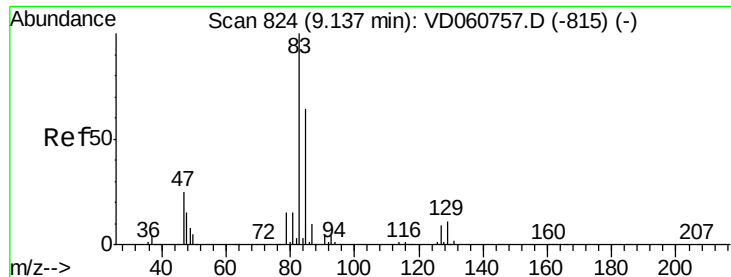
Tot Ion: 63 Resp: 269584
 Ion Ratio Lower Upper
 63 100
 65 28.2 25.0 37.6



#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





#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

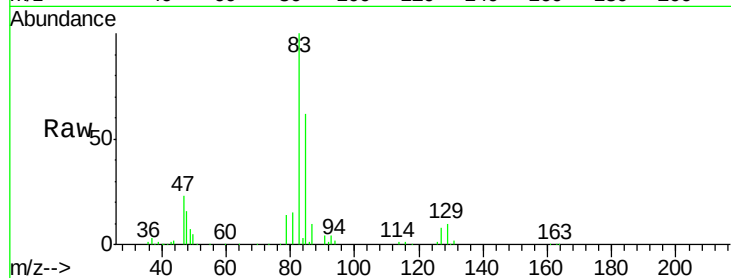
Tot Ion: 83 Resp: 426065

Ion Ratio Lower Upper

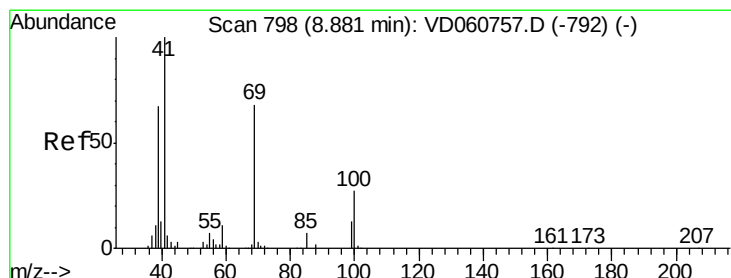
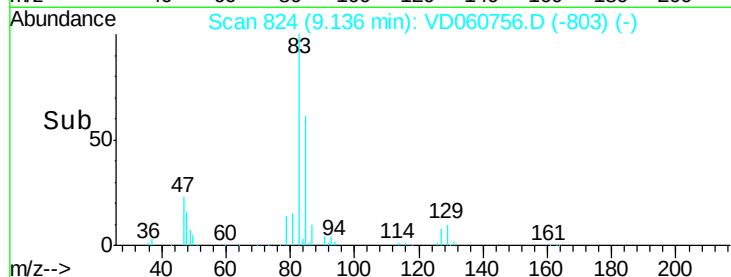
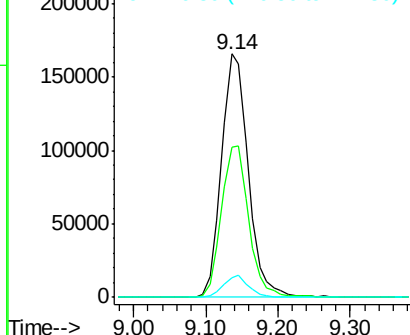
83 100

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

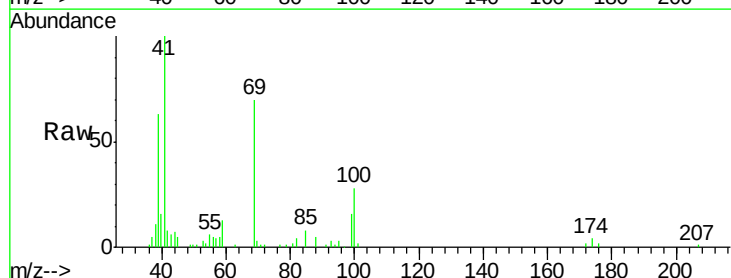
Tgt Ion: 41 Resp: 177893

Ion Ratio Lower Upper

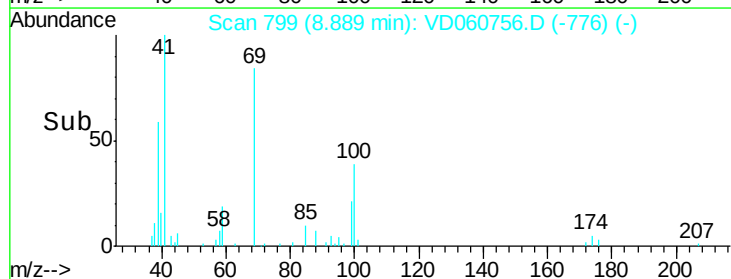
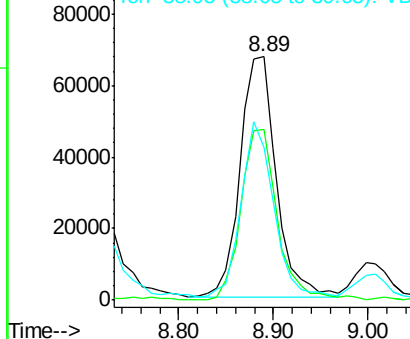
41 100

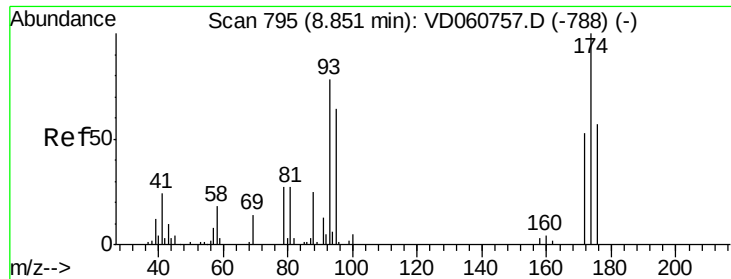
69 70.2 51.2 76.8

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

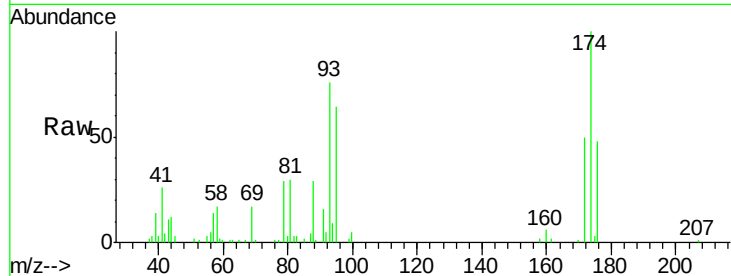
Tot Ion: 88 Resp: 33261

Ion Ratio Lower Upper

88 100

43 36.1 31.5 47.3

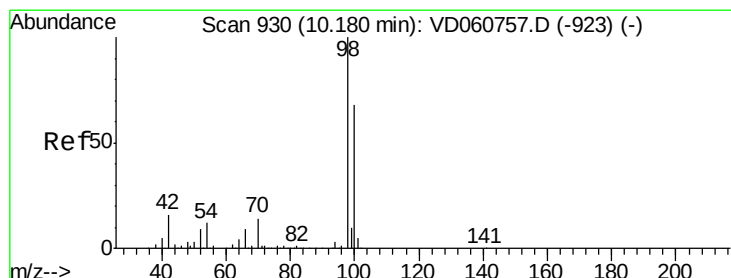
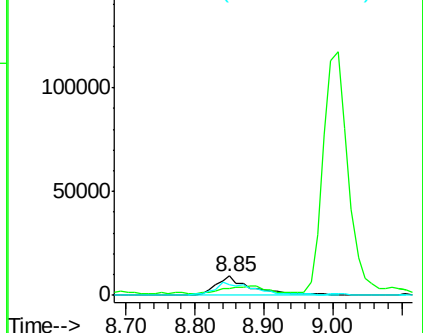
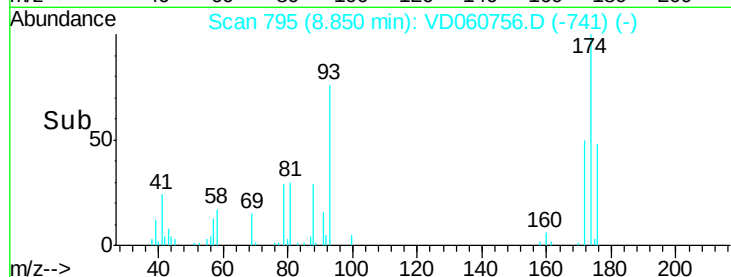
58 57.0 50.6 76.0



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

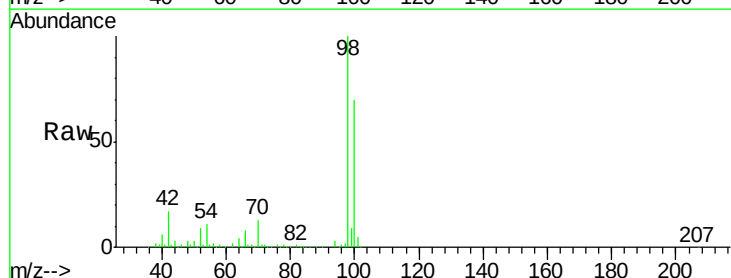
Acq: 18 Jan 2019 11:54

Tgt Ion: 98 Resp: 874753

Ion Ratio Lower Upper

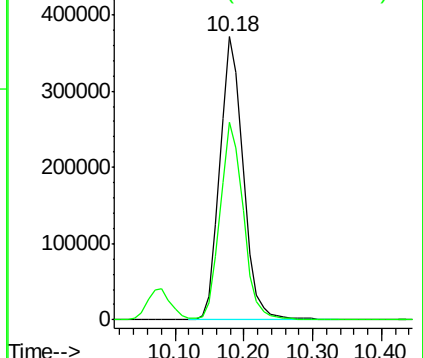
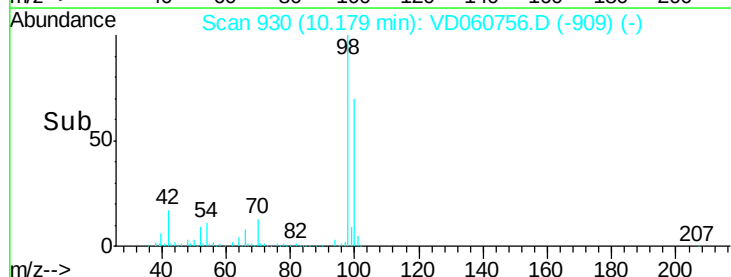
98 100

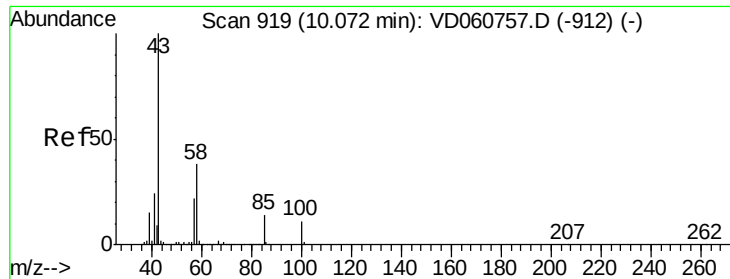
100 69.7 55.8 83.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

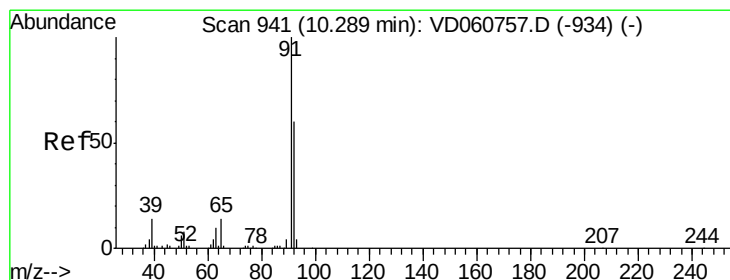
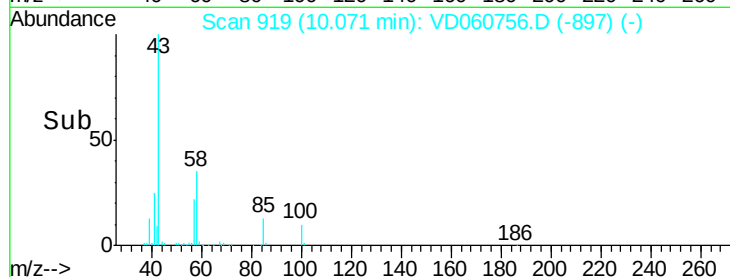
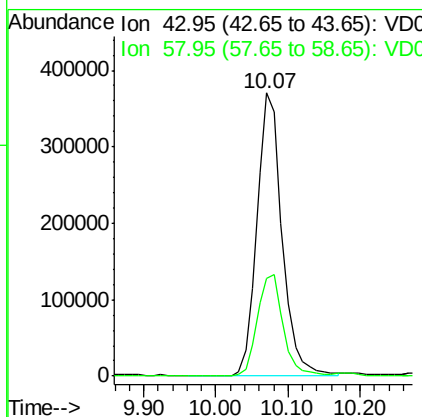
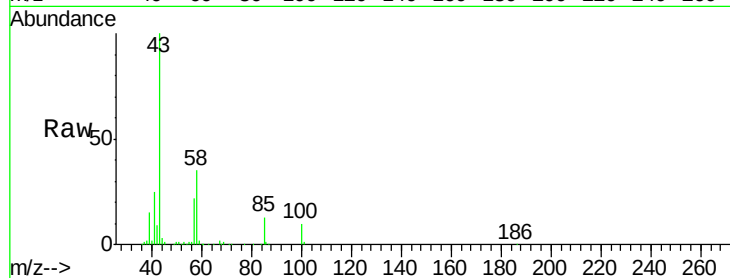




#51
4-Methyl-2-Pentanone
Concen: 133.882 ug/l
RT: 10.07 min Scan# 919
Delta R.T. 0.02 min
Lab File: VD060756.D
Acq: 18 Jan 2019 11:54

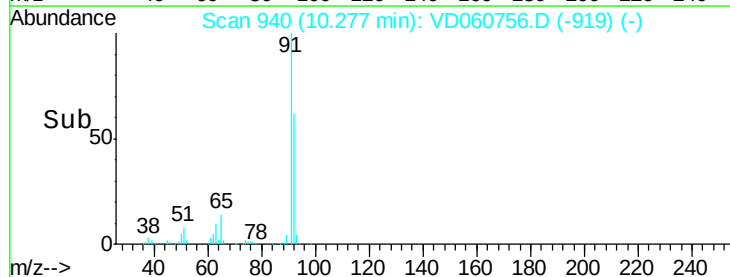
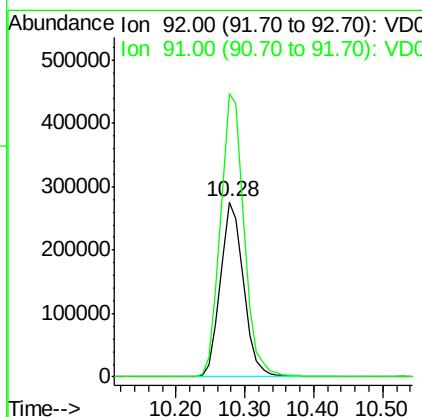
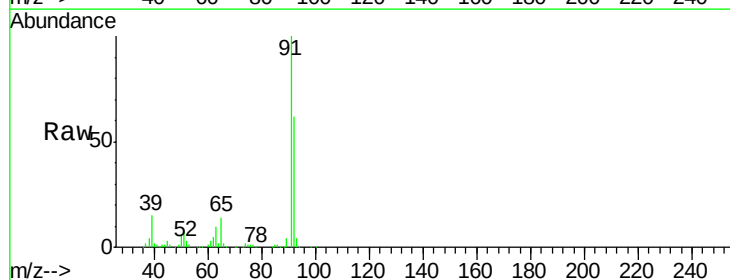
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

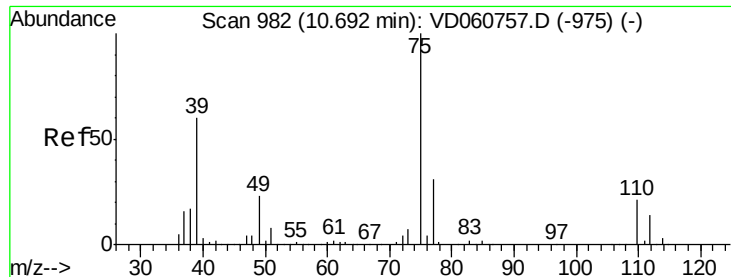
Tot Ion: 43 Resp: 902375
Ion Ratio Lower Upper
43 100
58 34.6 26.3 39.5



#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

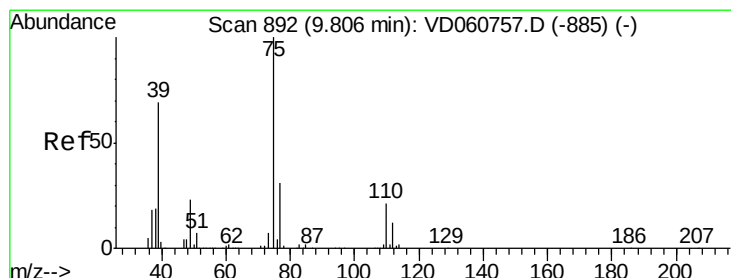
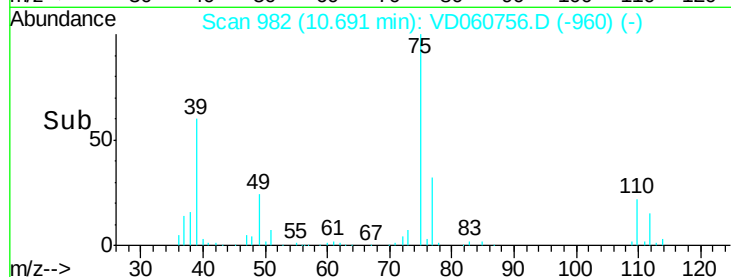
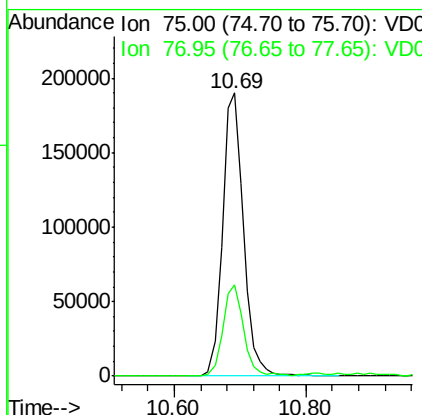
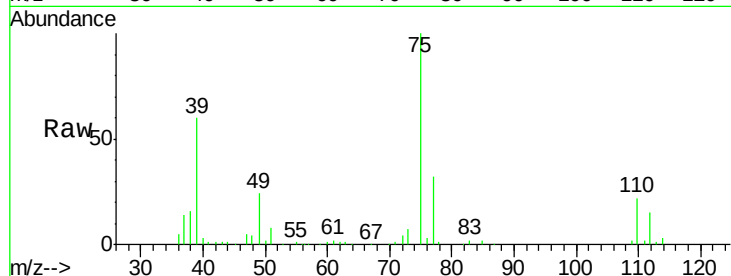




#53
t-1,3-Dichloropropene
Concen: 28.715 ug/l
RT: 10.69 min Scan# 982
Delta R.T. 0.02 min
Lab File: VD060756.D
Acq: 18 Jan 2019 11:54

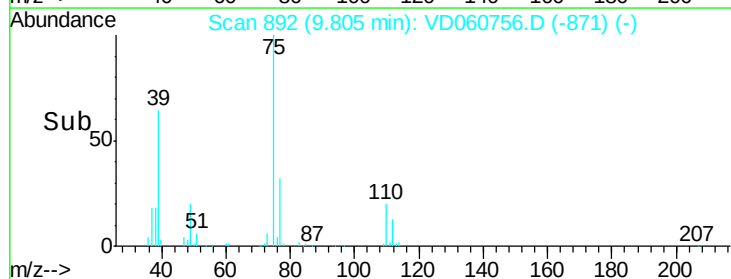
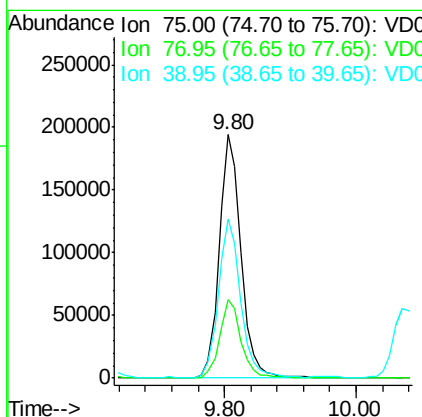
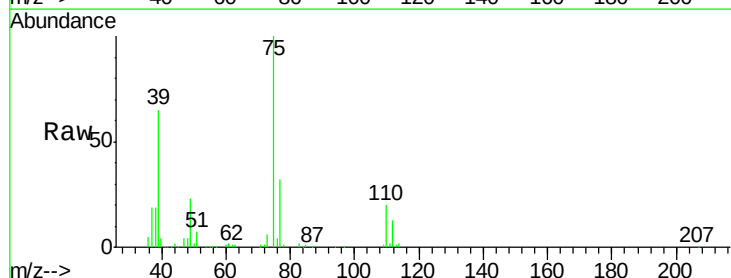
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

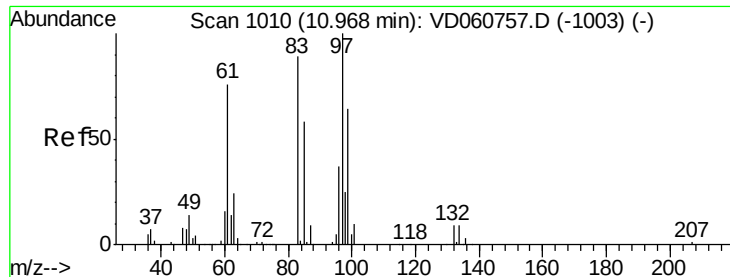
Tot Ion: 75 Resp: 420487
Ion Ratio Lower Upper
75 100
77 32.2 26.0 39.0



#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



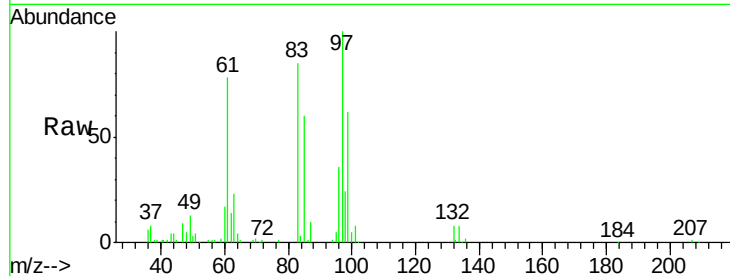


#55
 1,1,2-Trichloroethane
 Concen: 21.654 ug/l
 RT: 10.97 min Scan# 1010
 Delta R.T. 0.01 min
 Lab File: VD060756.D
 Acq: 18 Jan 2019 11:54

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

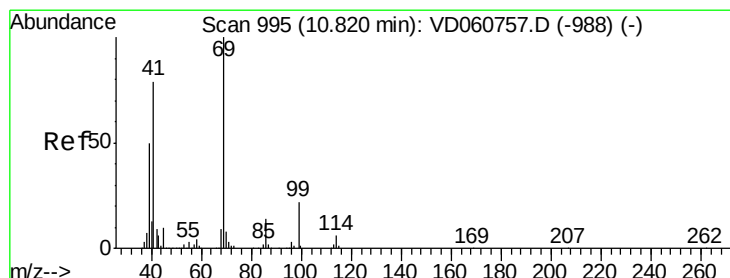
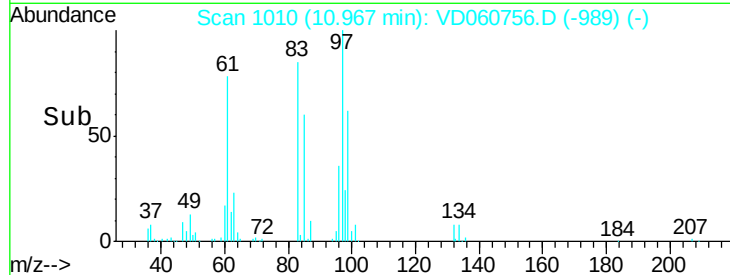
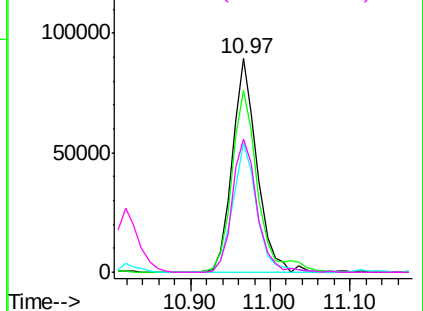


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

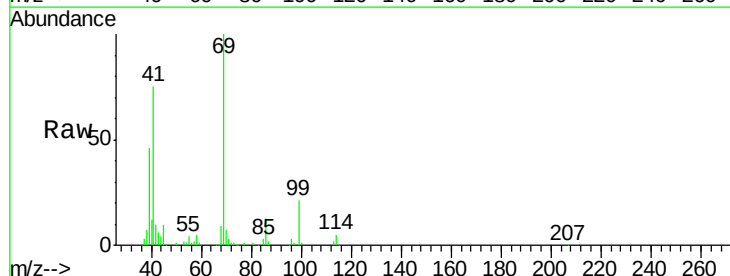
Ion 98.85 (98.55 to 99.55): VDC



#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

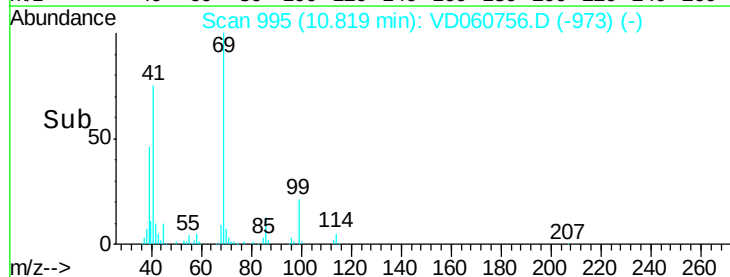
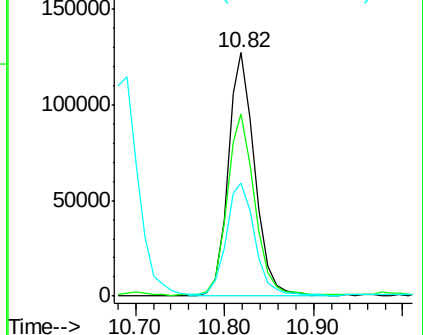
Ion	Ratio	Lower	Upper
69	100		
41	74.8	68.3	102.5
39	46.4	37.2	55.8

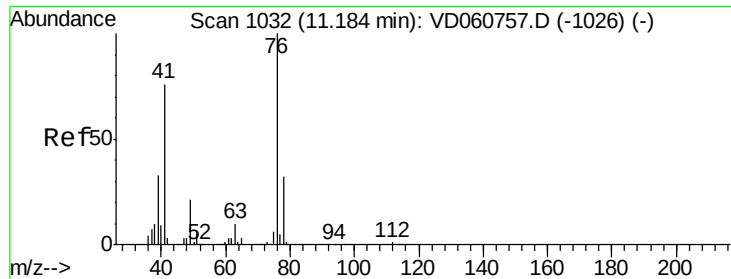


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

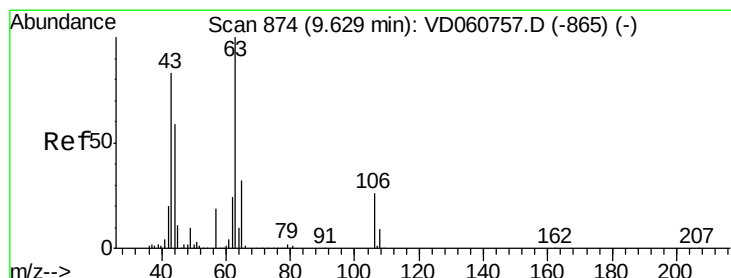
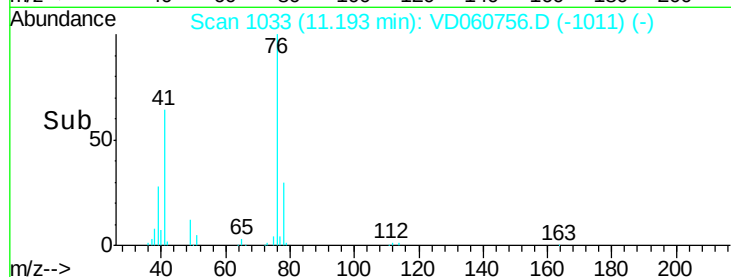
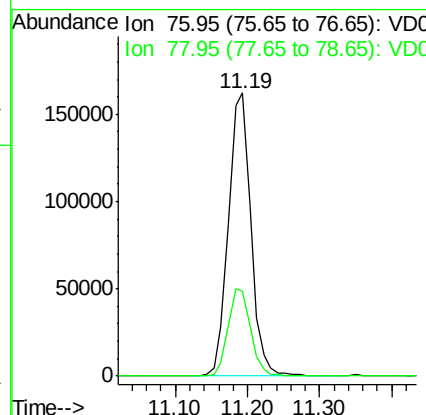
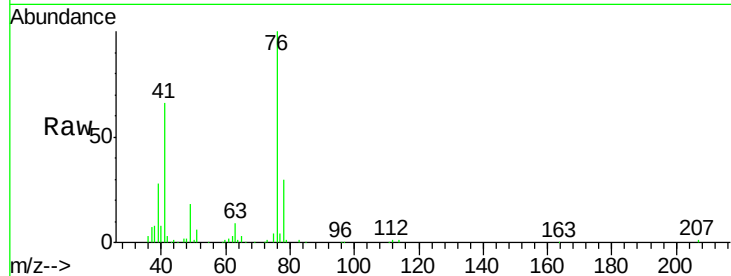




#57
 1,3-Dichloropropane
 Concen: 24.778 ug/l
 RT: 11.19 min Scan# 1033
 Delta R.T. 0.02 min
 Lab File: VD060756.D
 Acq: 18 Jan 2019 11:54

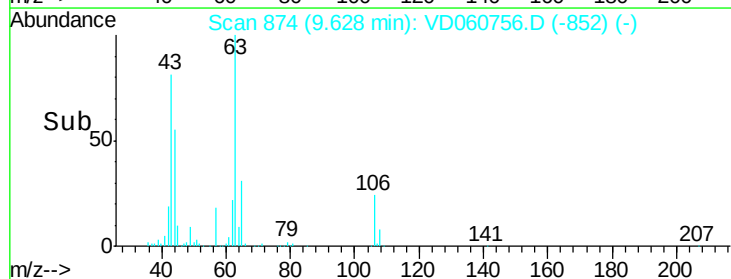
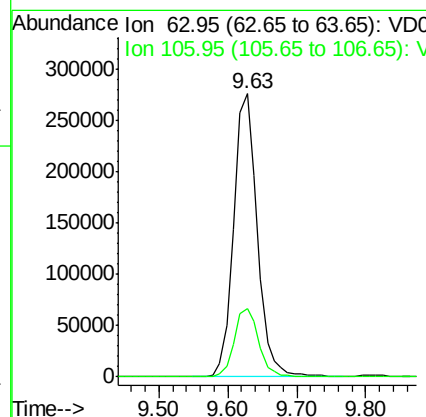
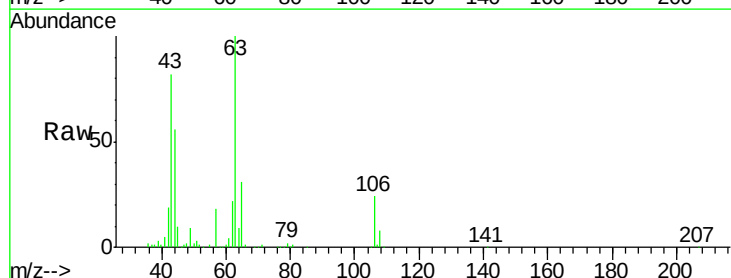
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

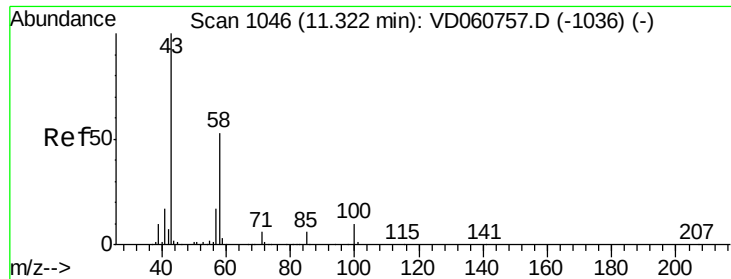
Tot Ion: 76 Resp: 350740
 Ion Ratio Lower Upper
 76 100
 78 30.2 26.1 39.1



#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

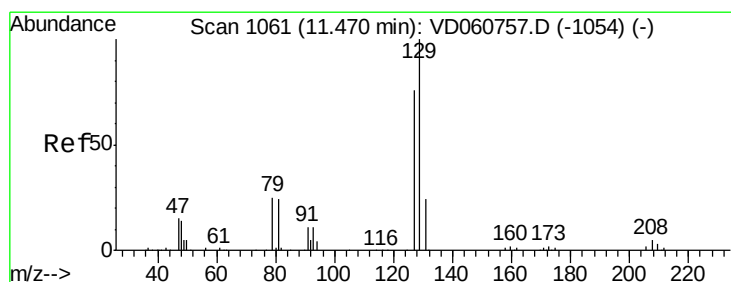
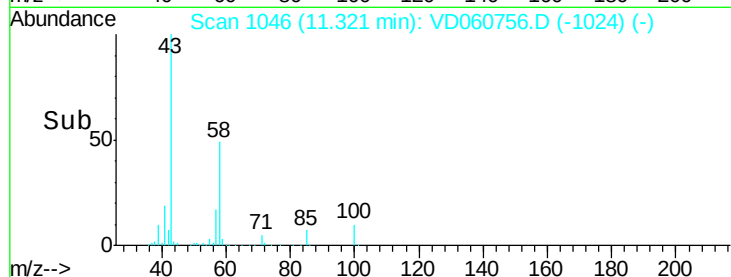
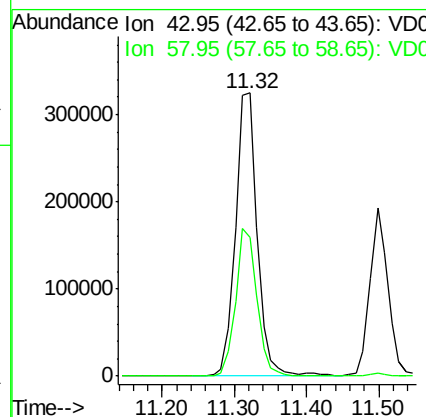
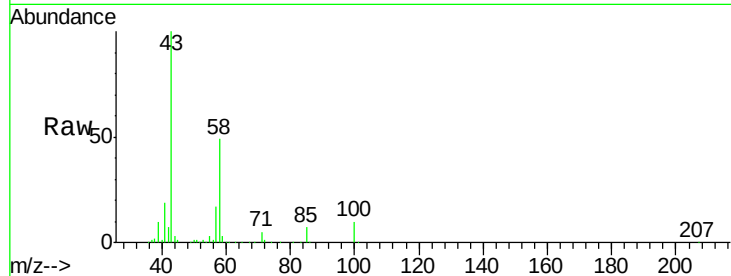




#59
2-Hexanone
Concen: 144.119 ug/l
RT: 11.32 min Scan# 1046
Delta R.T. 0.02 min
Lab File: VD060756.D
Acq: 18 Jan 2019 11:54

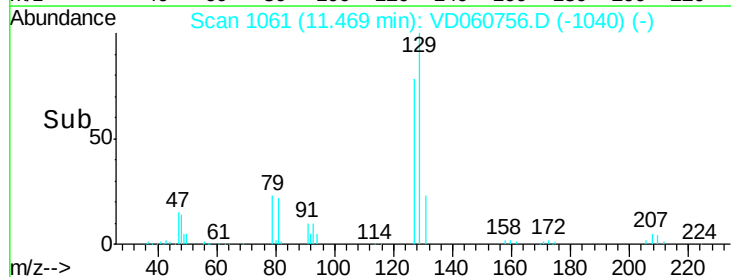
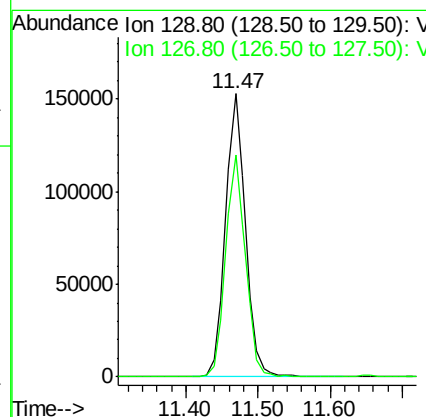
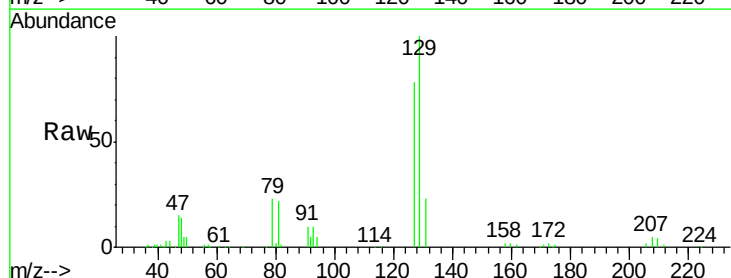
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

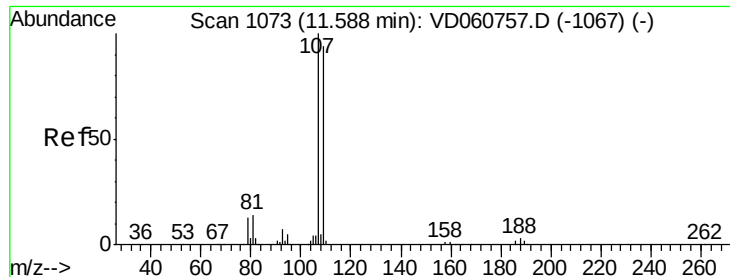
Tot Ion: 43 Resp: 679925
Ion Ratio Lower Upper
43 100
58 49.0 23.5 70.5



#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 :

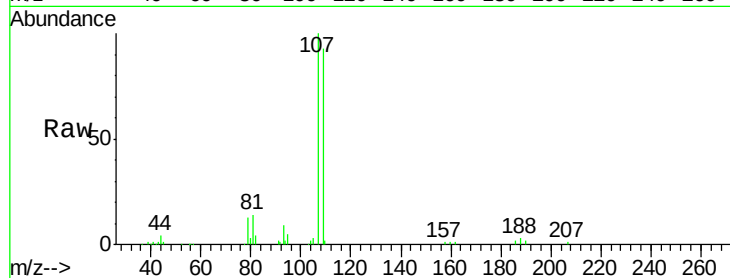
VSTDIC020

Tot Ion:107 Resp: 212507

Ion Ratio Lower Upper

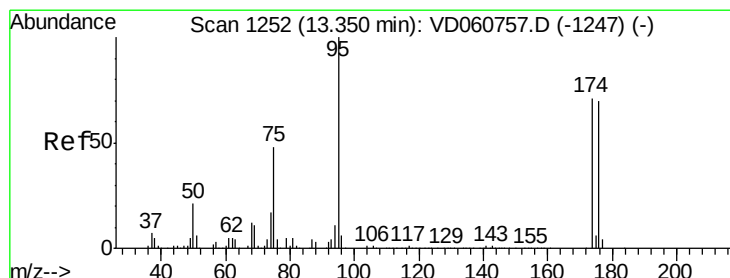
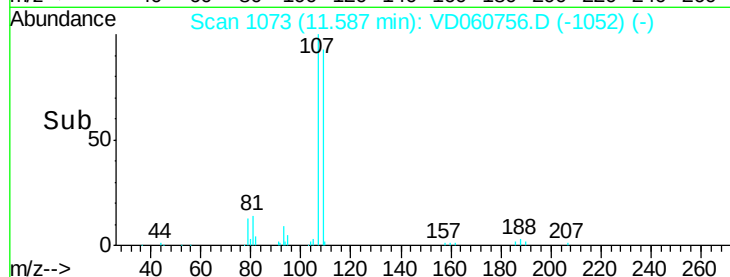
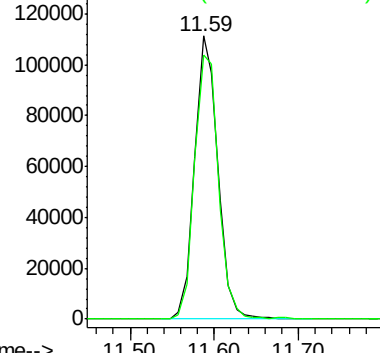
107 100

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

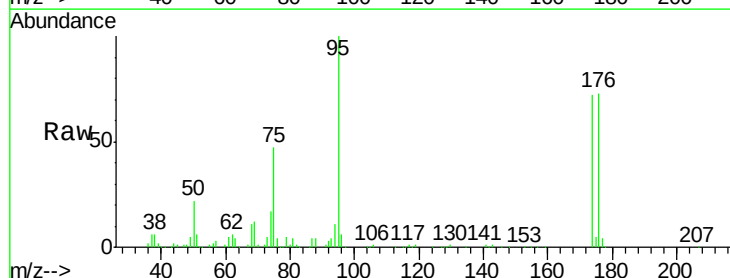
Tgt Ion: 95 Resp: 387598

Ion Ratio Lower Upper

95 100

174 71.7 0.0 158.2

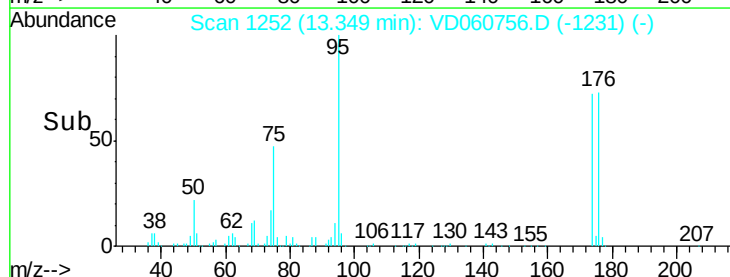
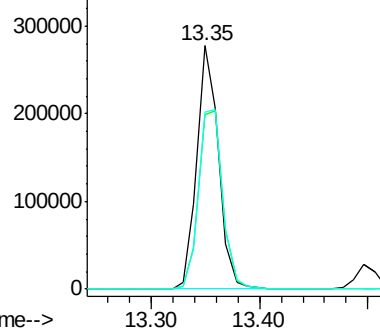
176 72.7 0.0 152.4

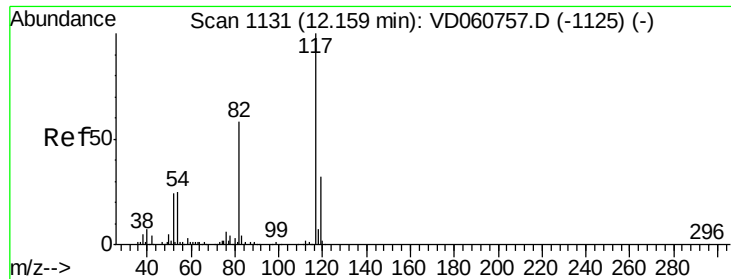


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

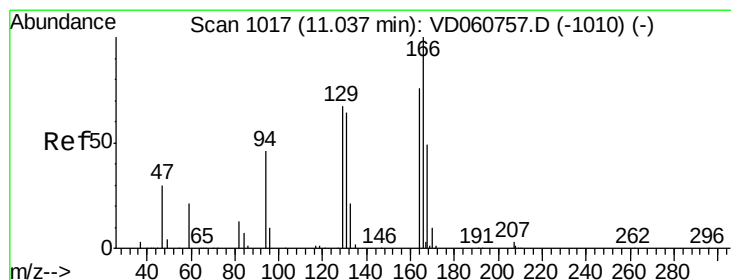
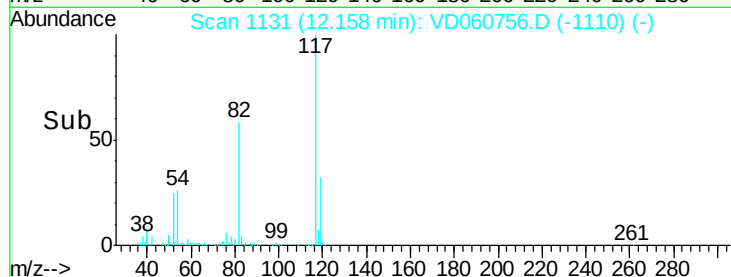
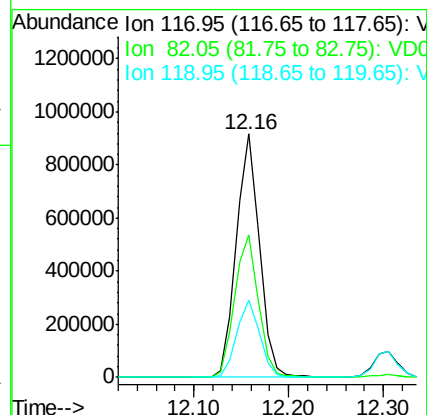
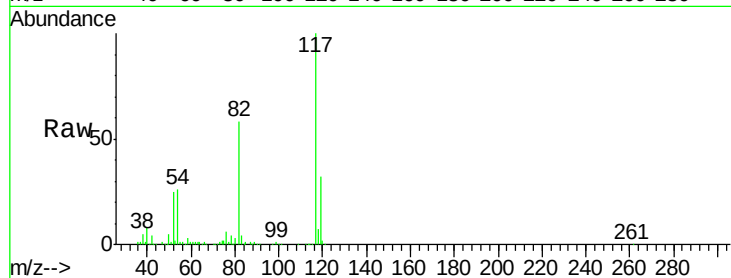




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.16 min Scan# 1131
Delta R.T. 0.01 min
Lab File: VD060756.D
Acq: 18 Jan 2019 11:54

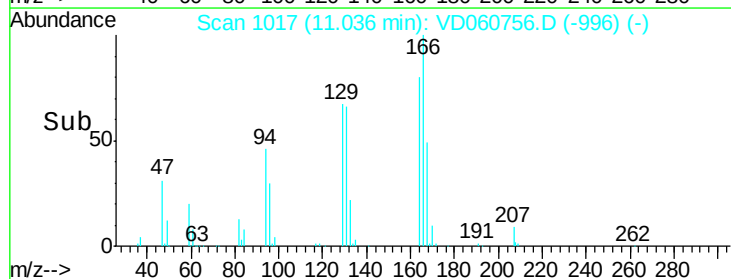
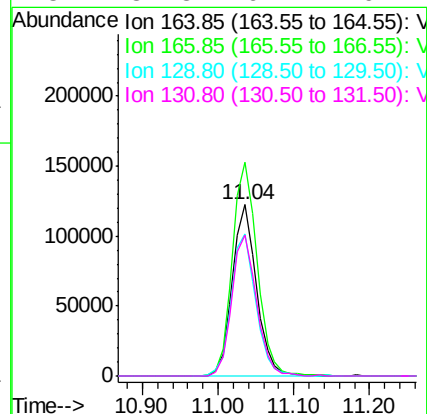
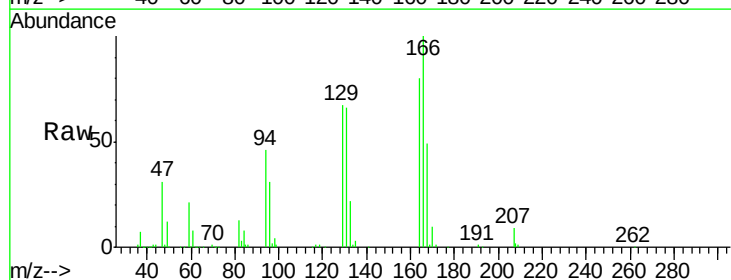
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

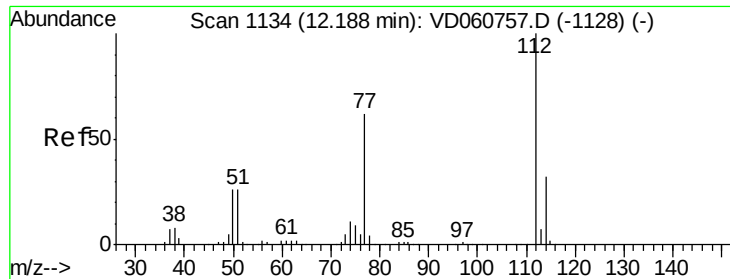
Tot Ion:117 Resp: 1560411
Ion Ratio Lower Upper
117 100
82 58.4 44.5 66.7
119 31.7 26.3 39.5



#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

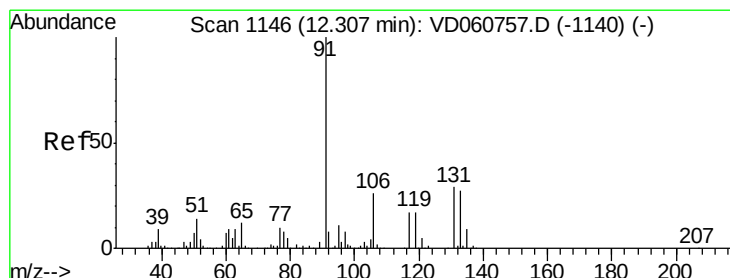
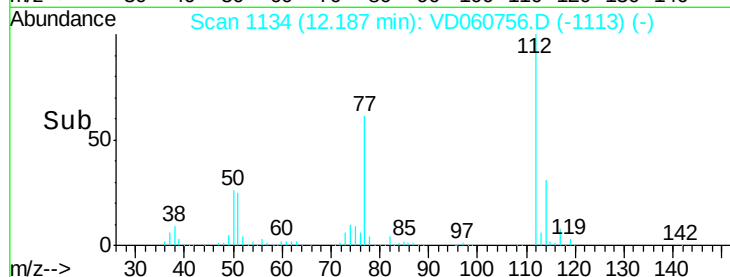
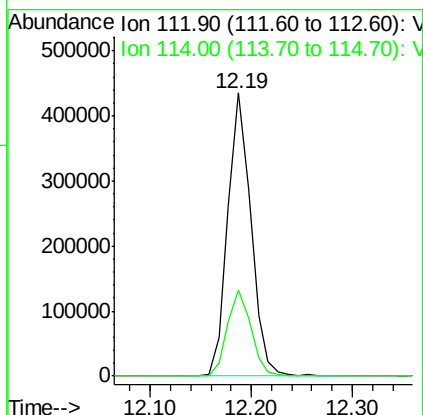
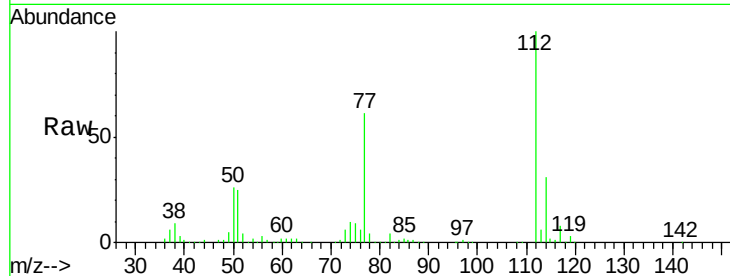




#65
Chlorobenzene
Concen: 20.184 ug/l
RT: 12.19 min Scan# 1134
Delta R.T. 0.01 min
Lab File: VD060756.D
Acq: 18 Jan 2019 11:54

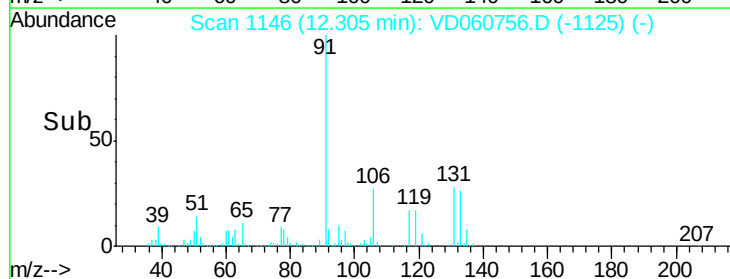
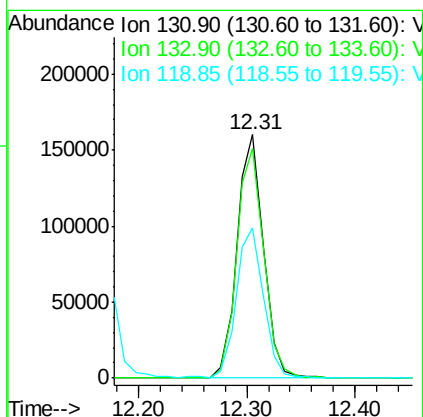
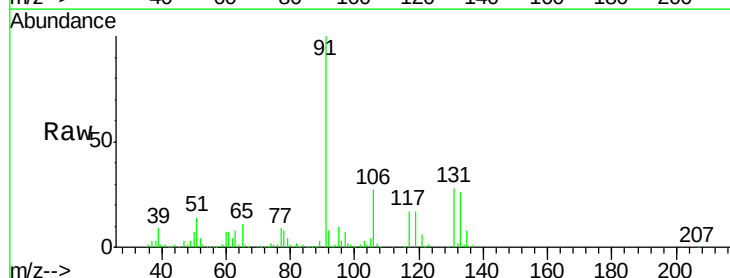
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

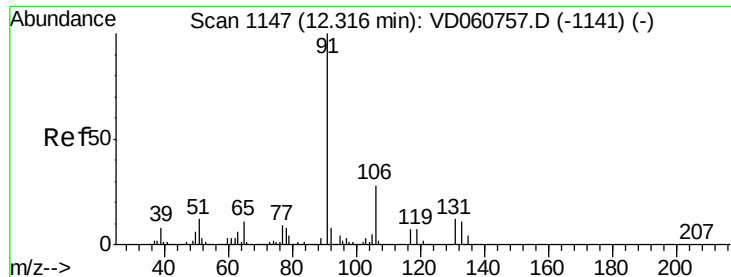
Tot Ion:112 Resp: 695837
Ion Ratio Lower Upper
112 100
114 30.6 26.1 39.1



#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

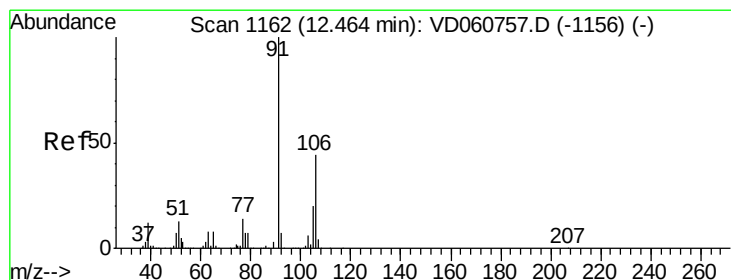
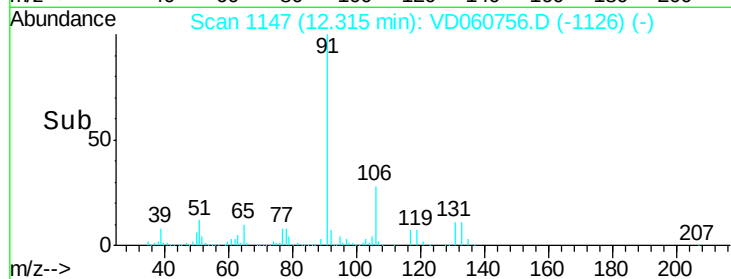
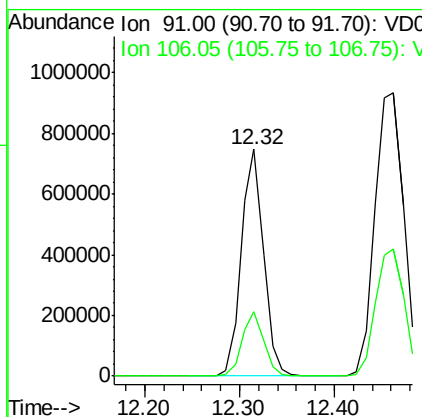
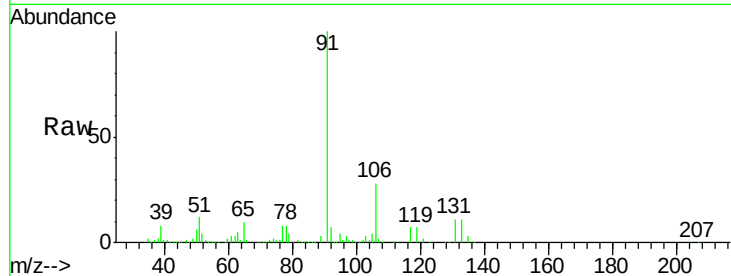




#67
Ethyl Benzene
Concen: 20.607 ug/l
RT: 12.32 min Scan# 1147
Delta R.T. 0.01 min
Lab File: VD060756.D
Acq: 18 Jan 2019 11:54

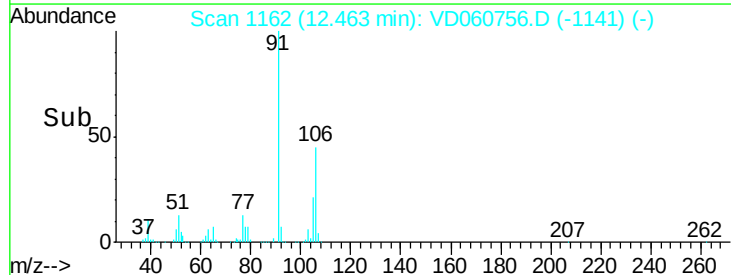
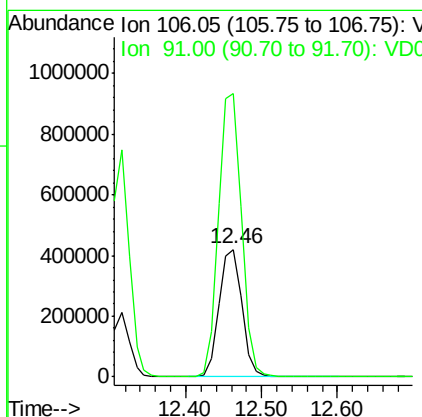
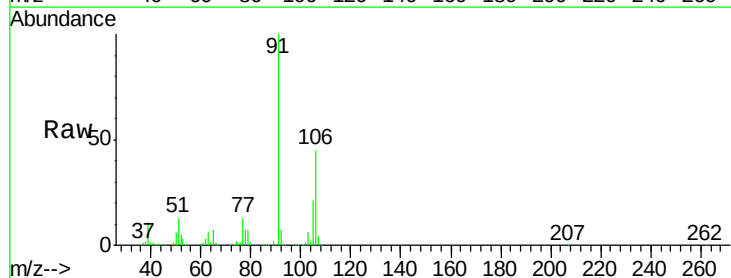
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

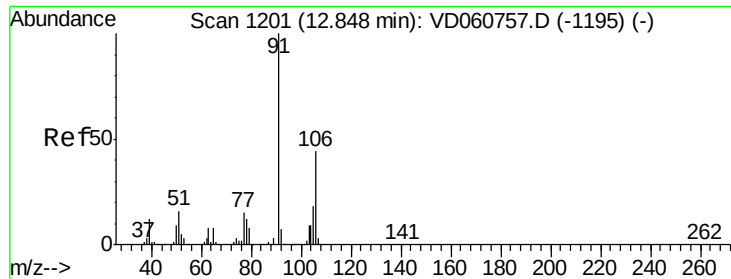
Tot Ion: 91 Resp: 1216677
Ion Ratio Lower Upper
91 100
106 28.4 24.6 36.8



#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

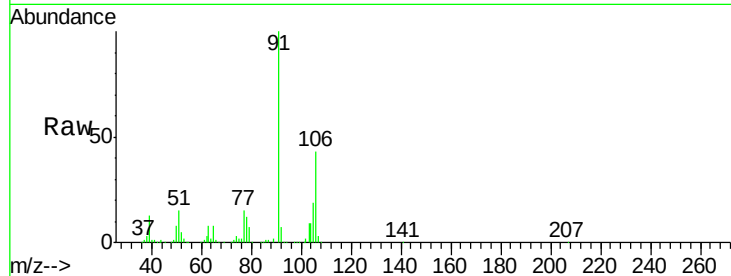




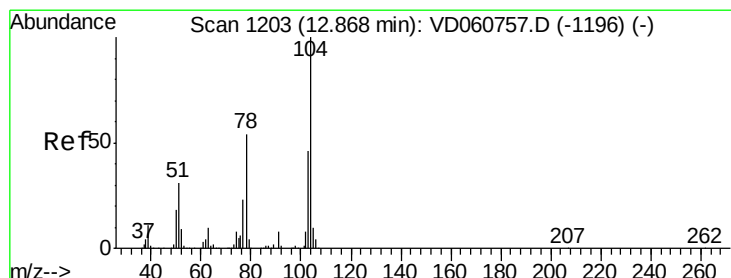
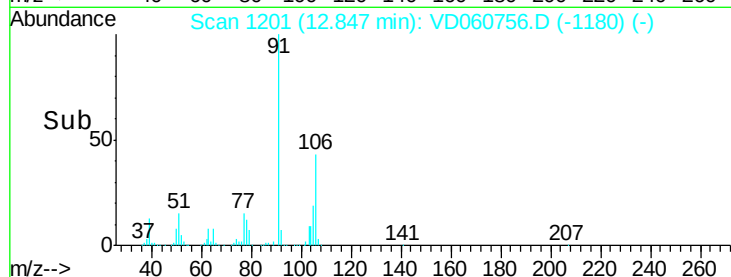
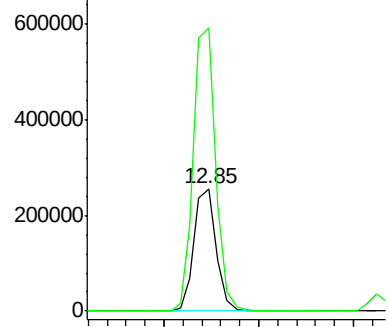
#69
o-Xylene
Concen: 20.382 ug/l
RT: 12.85 min Scan# 1201
Delta R.T. 0.01 min
Lab File: VD060756.D
Acq: 18 Jan 2019 11:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

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

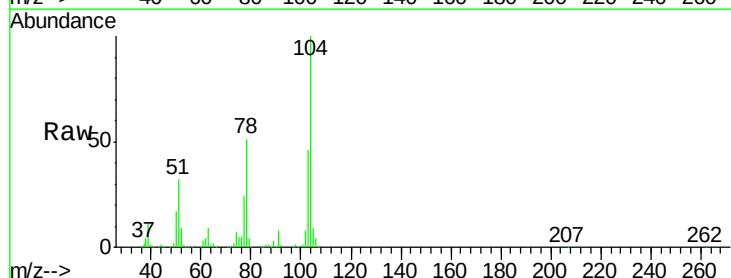


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

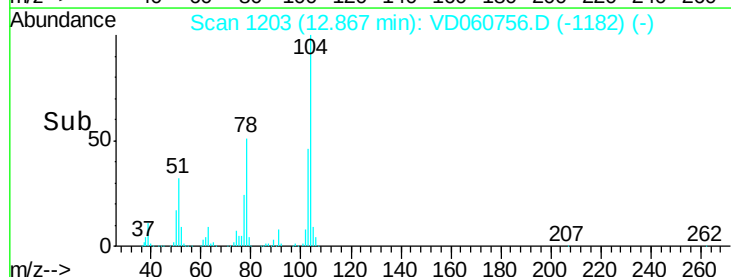
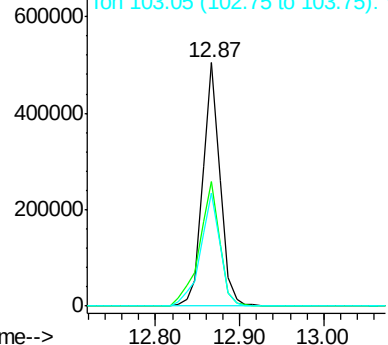


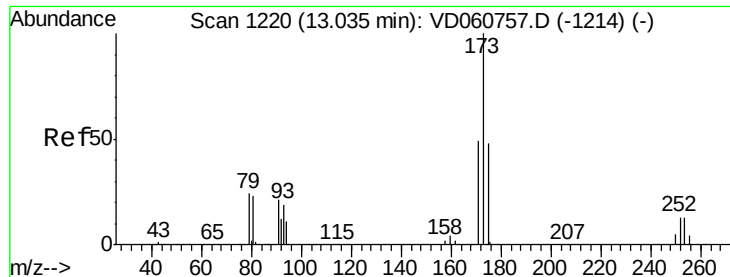
#70
Styrene
Concen: 21.717 ug/l
RT: 12.87 min Scan# 1203
Delta R.T. 0.01 min
Lab File: VD060756.D
Acq: 18 Jan 2019 11:54

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

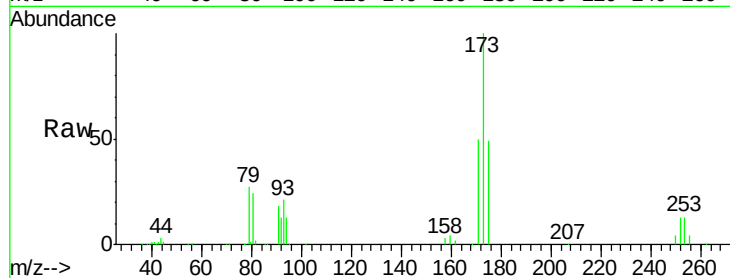
Tot Ion:173 Resp: 202524

Ion Ratio Lower Upper

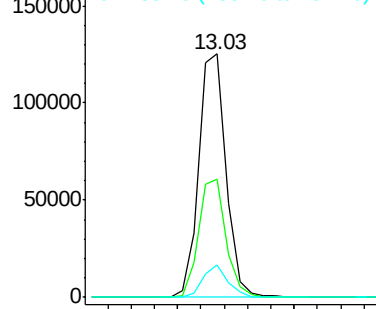
173 100

175 48.8 25.5 76.5

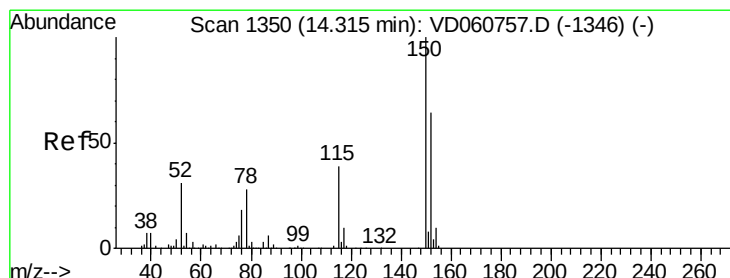
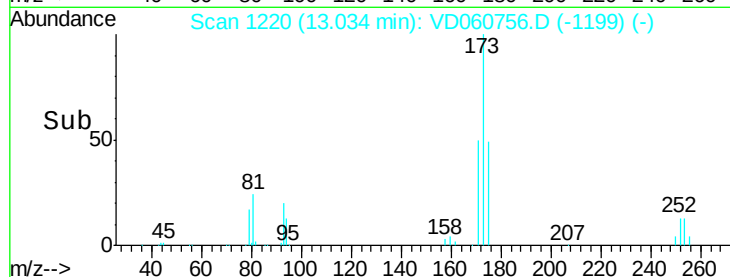
254 13.4 7.9 11.9#



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



Time-->



#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

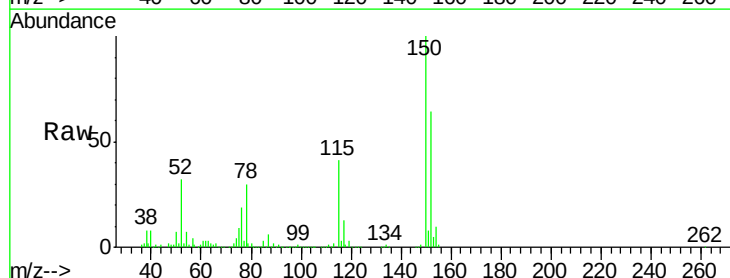
Tgt Ion:152 Resp: 768293

Ion Ratio Lower Upper

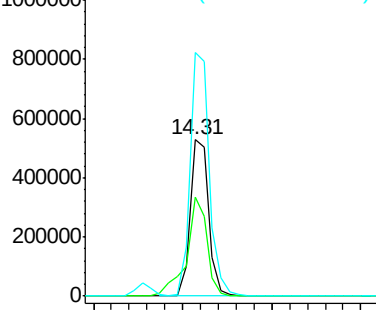
152 100

115 63.1 24.1 72.3

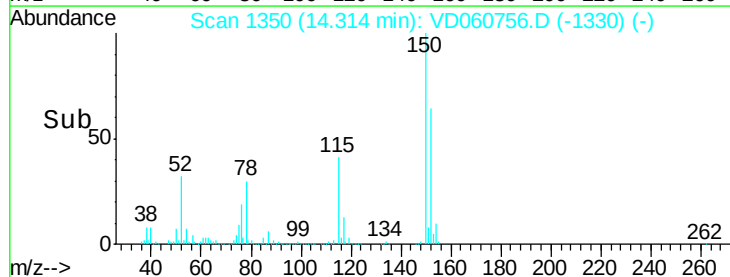
150 155.7 0.0 315.0

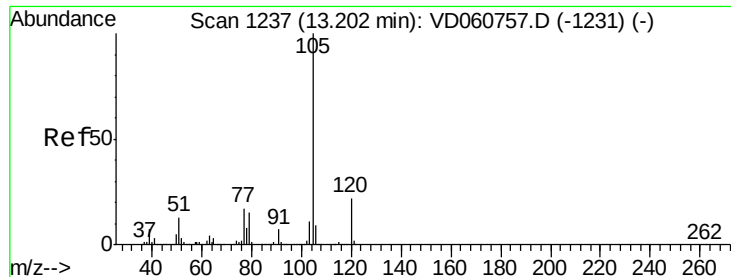


Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



Time-->





#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 :

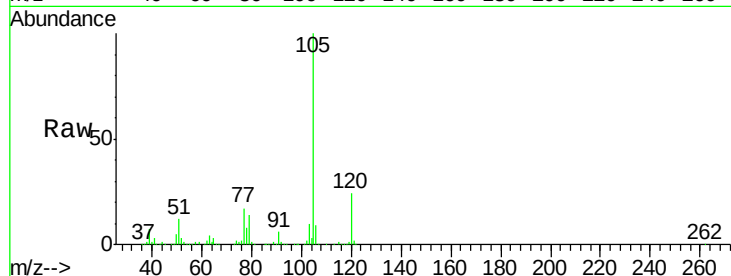
VSTDIC020

Tot Ion:105 Resp: 1182288

Ion Ratio Lower Upper

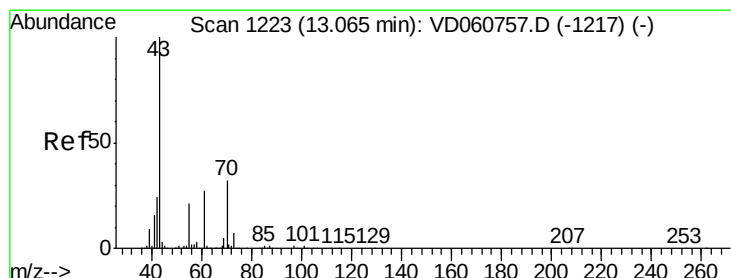
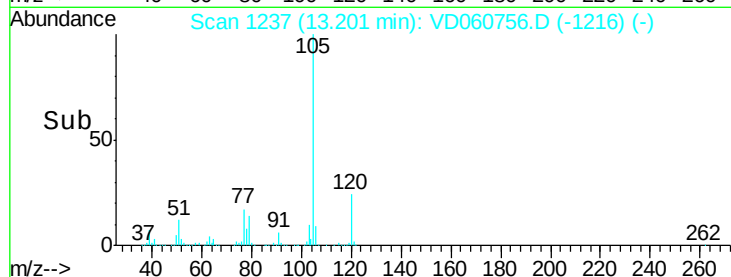
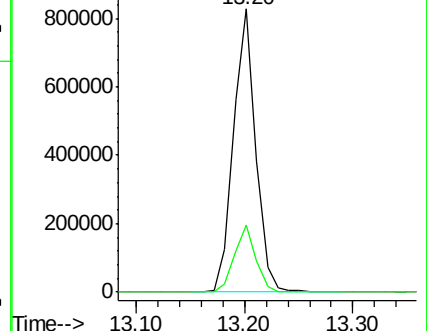
105 100

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

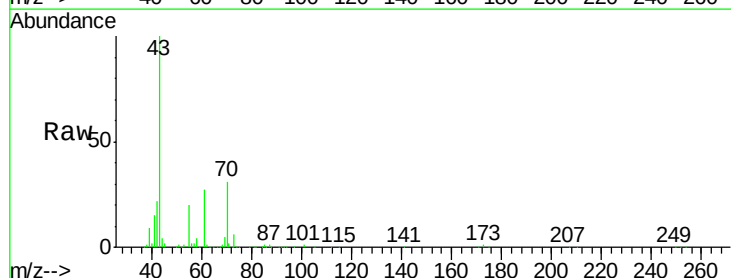
Ion Ratio Lower Upper

43 100

70 31.4 22.2 33.2

55 19.9 13.8 20.8

61 26.5 18.2 27.2

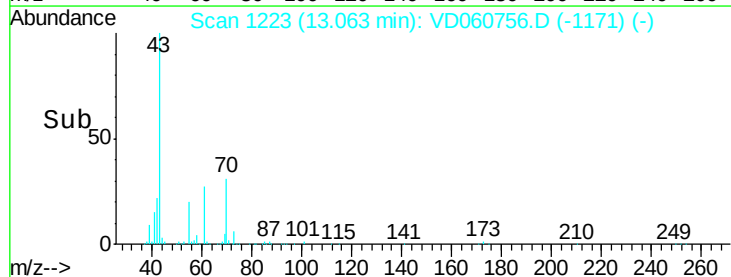
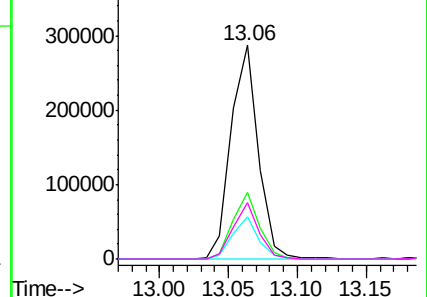


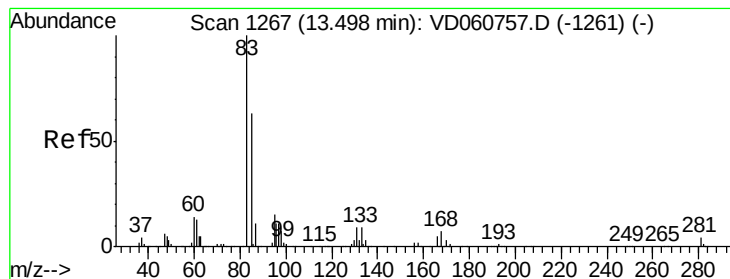
Abundance Ion 42.95 (42.65 to 43.65): V

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

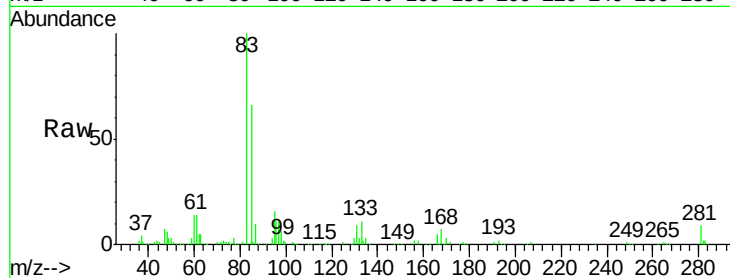
Tot Ion: 83 Resp: 236389

Ion Ratio Lower Upper

83 100

131 9.2 4.2 12.4

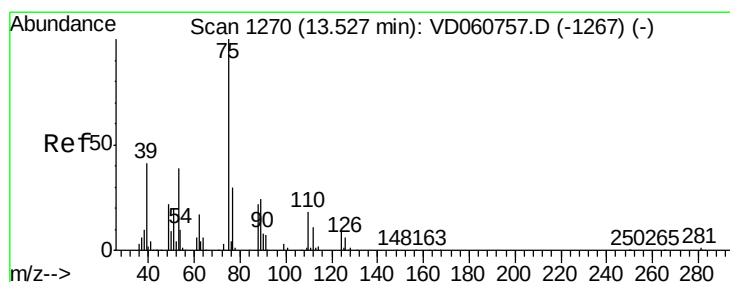
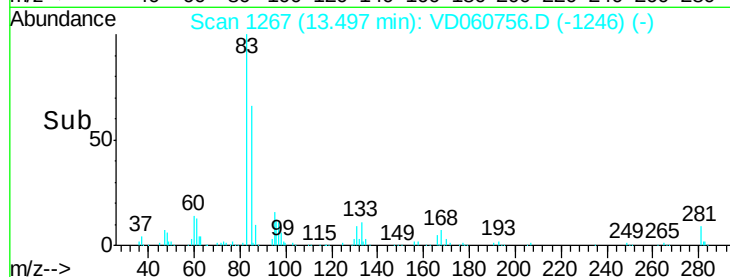
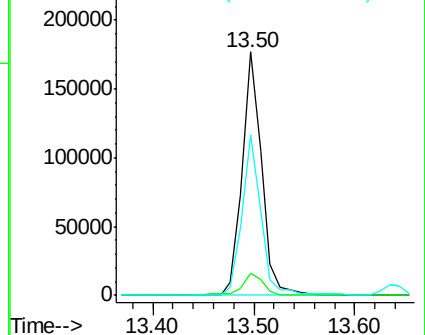
85 65.8 32.6 97.7



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

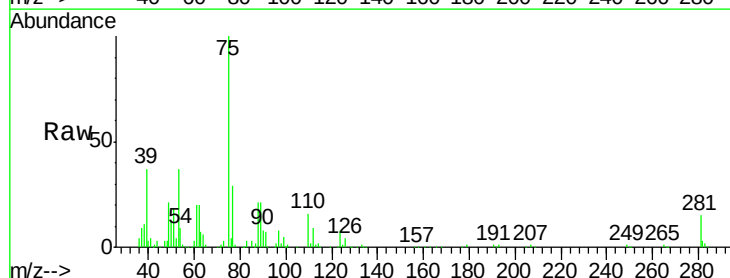
Acq: 18 Jan 2019 11:54

Tgt Ion: 75 Resp: 273464

Ion Ratio Lower Upper

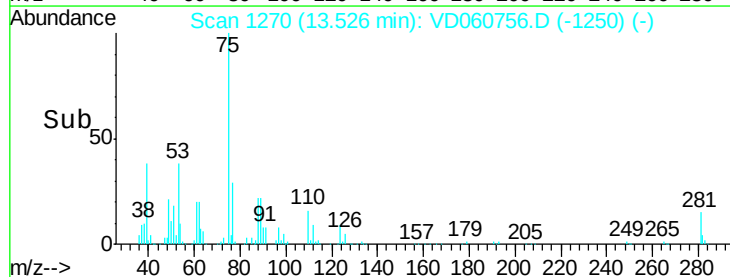
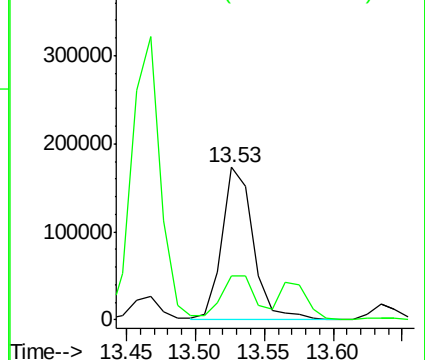
75 100

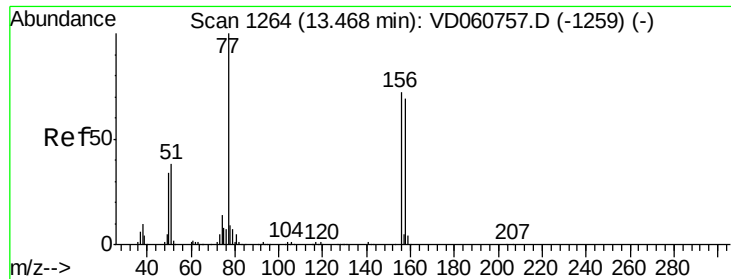
77 29.1 16.7 50.0



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

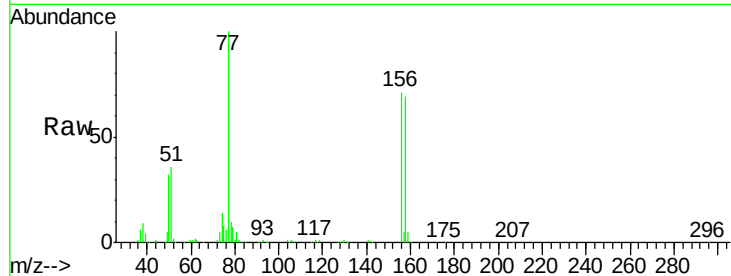
Tot Ion:156 Resp: 305921

Ion Ratio Lower Upper

156 100

77 141.7 61.3 183.9

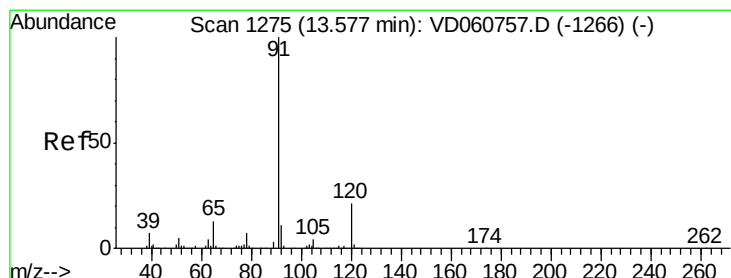
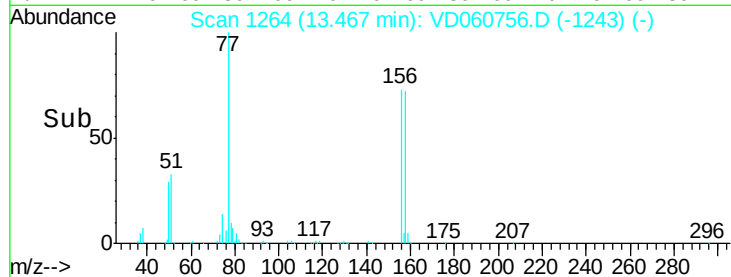
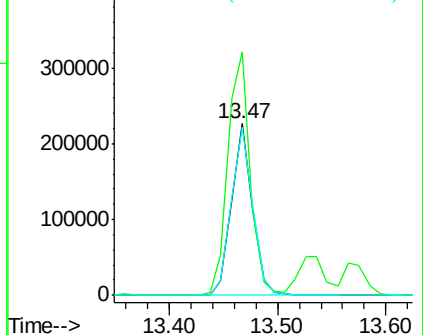
158 98.1 48.9 146.6



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

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

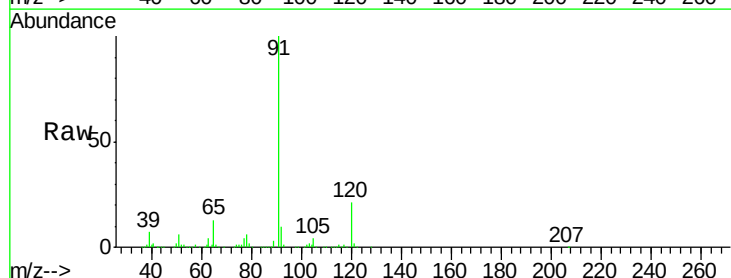
Acq: 18 Jan 2019 11:54

Tgt Ion: 91 Resp: 1502383

Ion Ratio Lower Upper

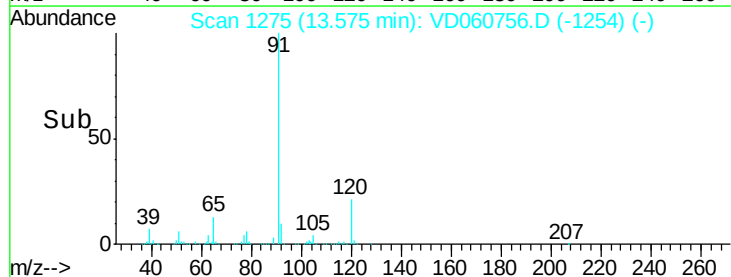
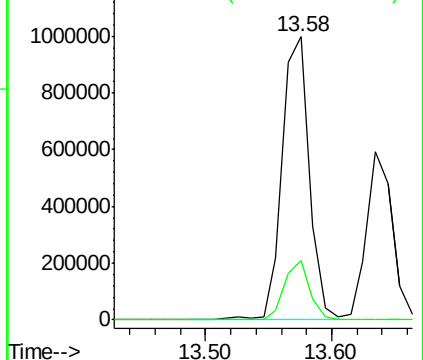
91 100

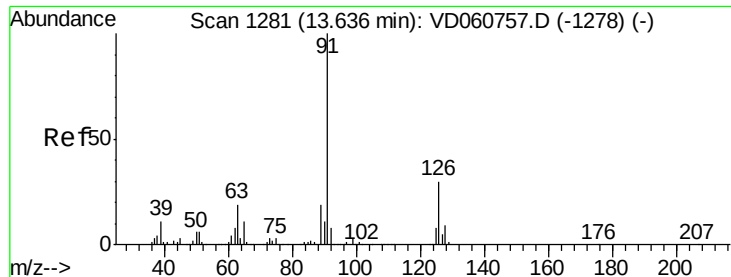
120 20.9 10.4 31.2



Abundance Ion 91.00 (90.70 to 91.70): V

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 :

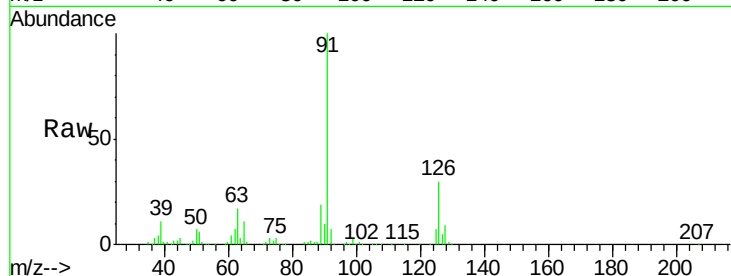
VSTDIC020

Tot Ion: 91 Resp: 846982

Ion Ratio Lower Upper

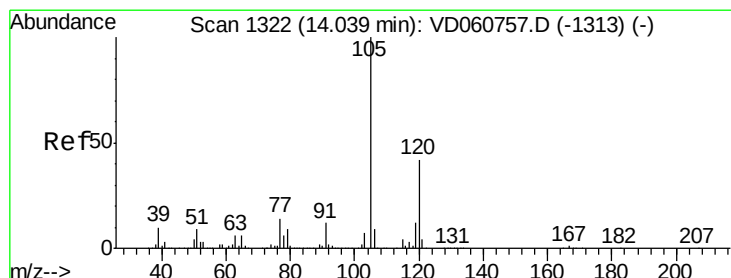
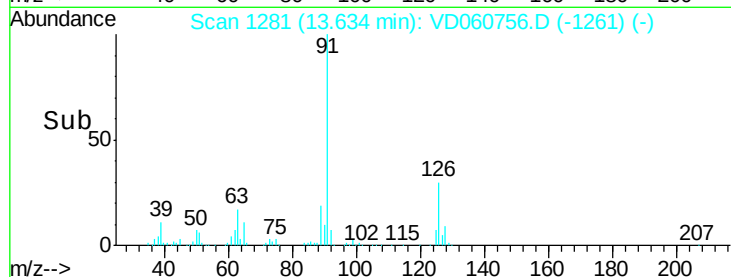
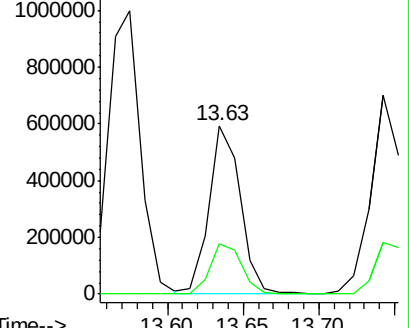
91 100

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

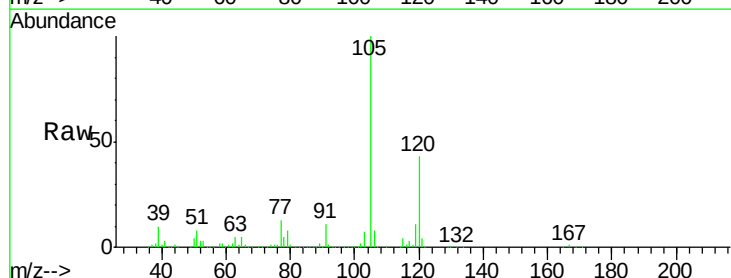
Acq: 18 Jan 2019 11:54

Tgt Ion:105 Resp: 948966

Ion Ratio Lower Upper

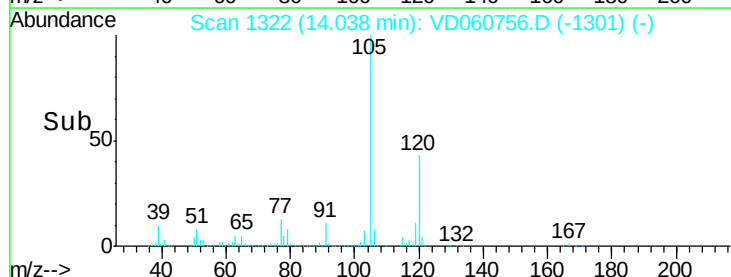
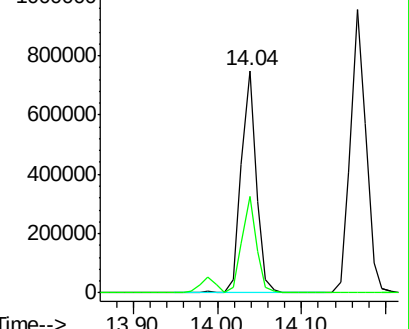
105 100

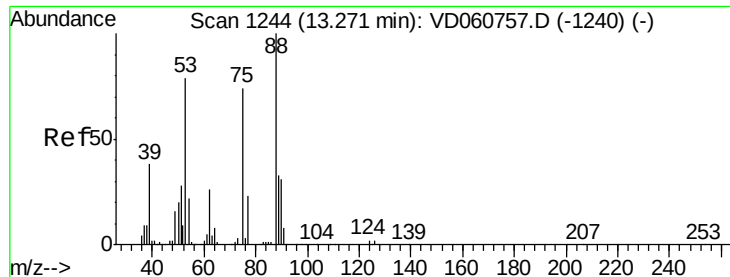
120 43.2 24.8 74.4



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

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

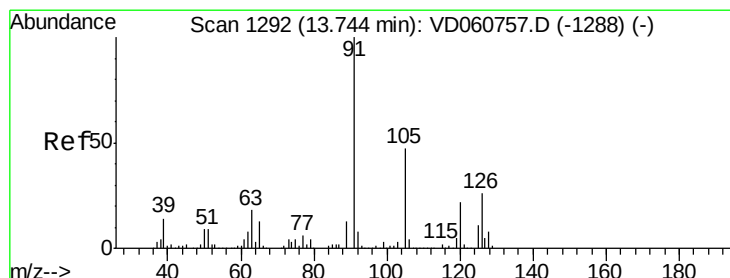
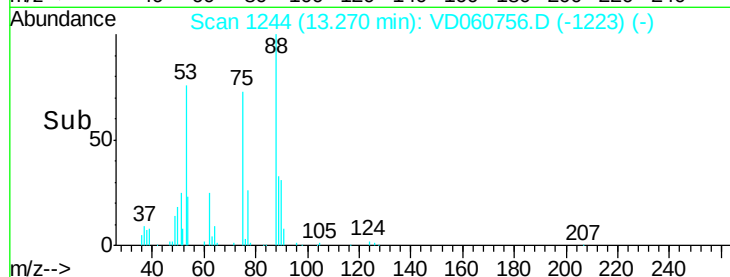
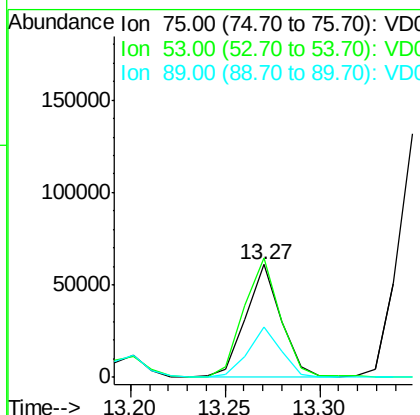
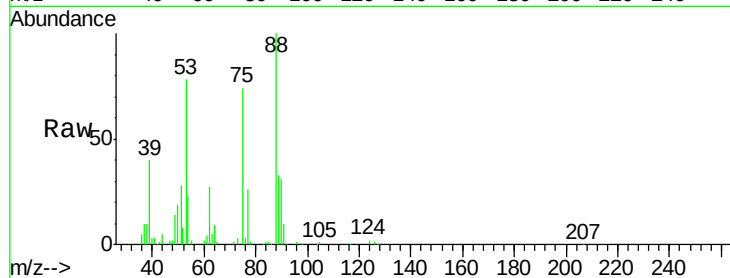




#81
trans-1,4-Dichloro-2-butene
Concen: 32.819 ug/l
RT: 13.27 min Scan# 1244
Delta R.T. 0.01 min
Lab File: VD060756.D
Acq: 18 Jan 2019 11:54

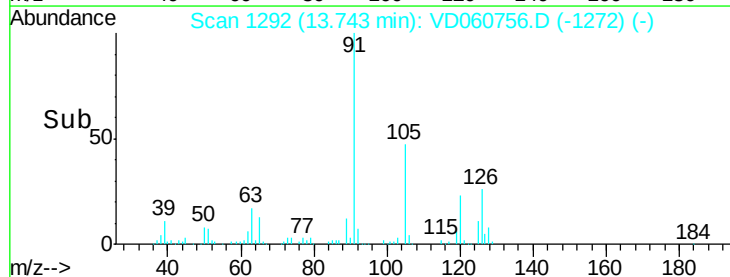
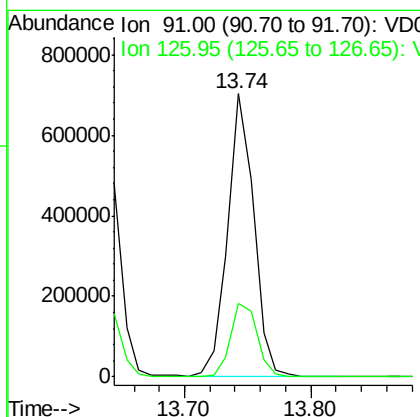
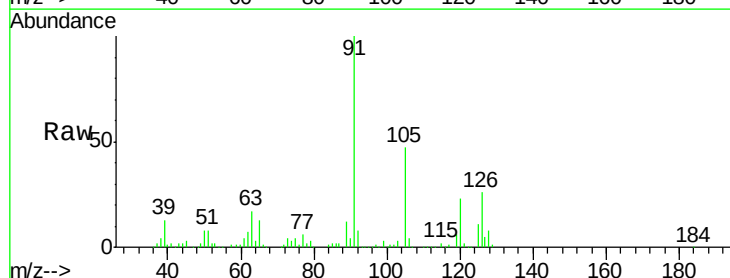
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

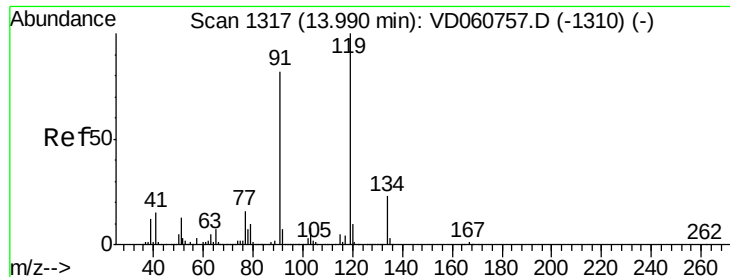
Tot Ion: 75 Resp: 79322
Ion Ratio Lower Upper
75 100
53 106.3 72.1 108.1
89 44.7 35.1 52.7



#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

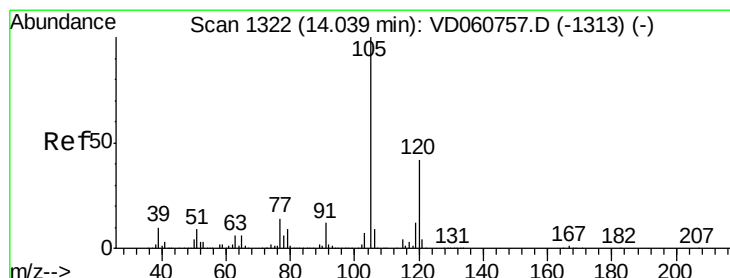
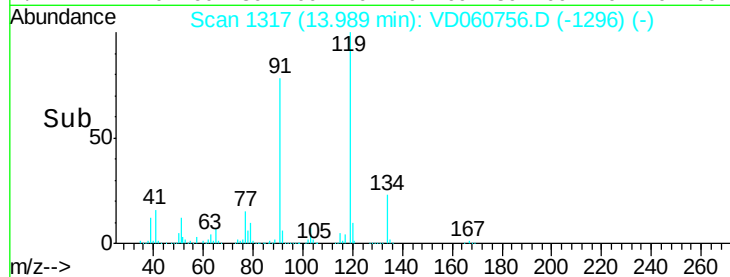
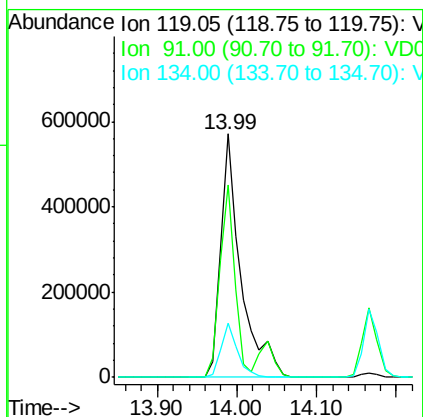
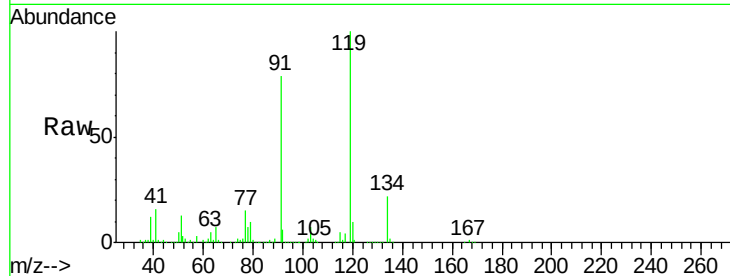




#83
 tert-Butylbenzene
 Concen: 21.295 ug/l
 RT: 13.99 min Scan# 1317
 Delta R.T. 0.01 min
 Lab File: VD060756.D
 Acq: 18 Jan 2019 11:54

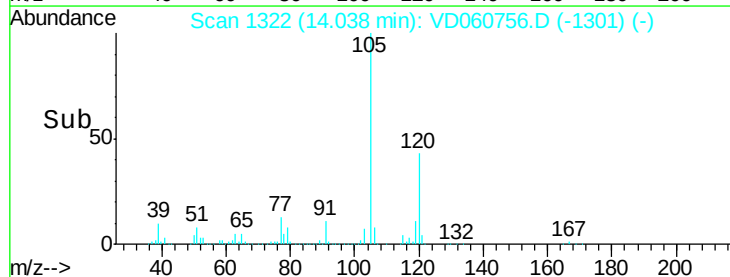
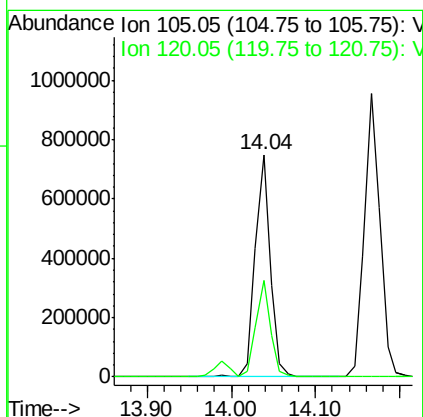
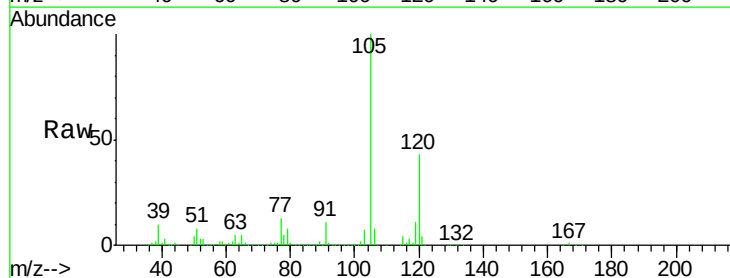
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

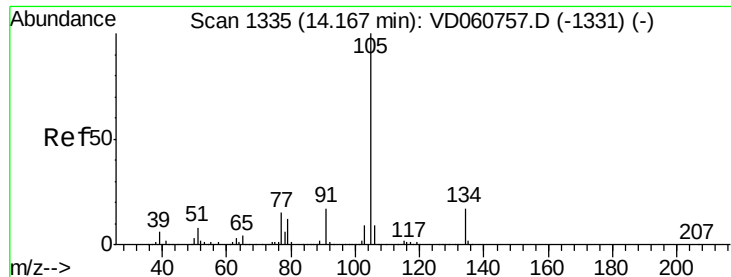
Tot Ion:119 Resp: 1023693
 Ion Ratio Lower Upper
 119 100
 91 79.3 32.5 97.4
 134 22.5 11.9 35.9



#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





#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 :

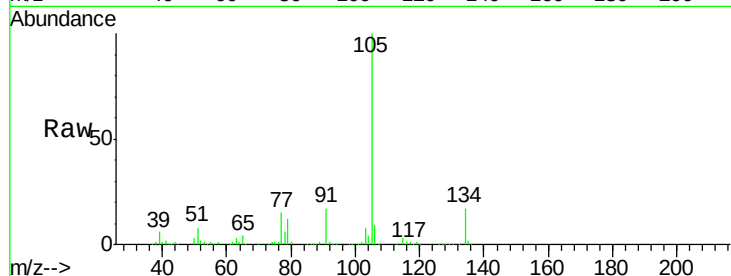
VSTDIC020

Tot Ion:105 Resp: 1241420

Ion Ratio Lower Upper

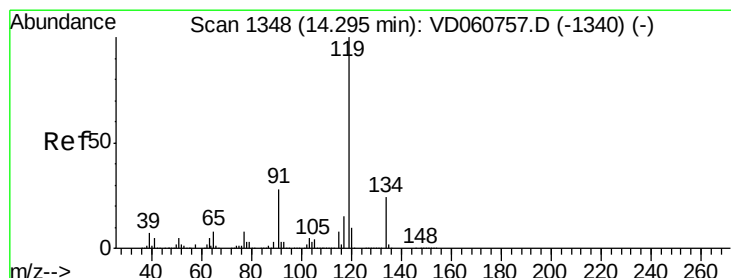
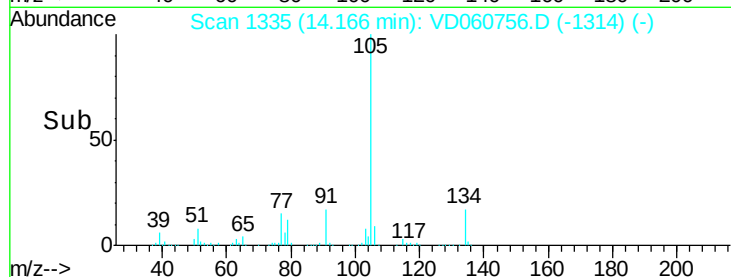
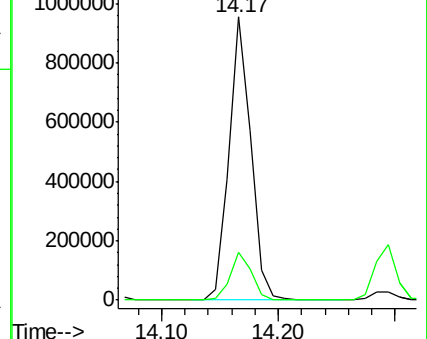
105 100

134 16.9 8.2 24.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#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

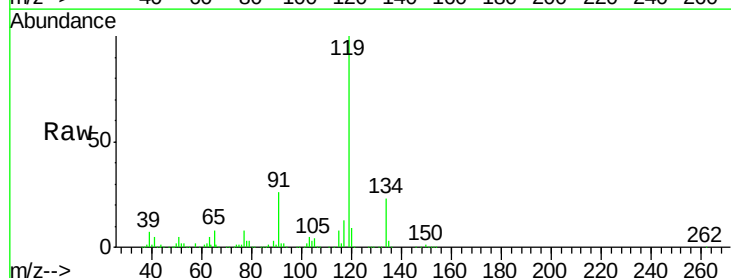
Tgt Ion:119 Resp: 1051275

Ion Ratio Lower Upper

119 100

134 23.4 12.5 37.5

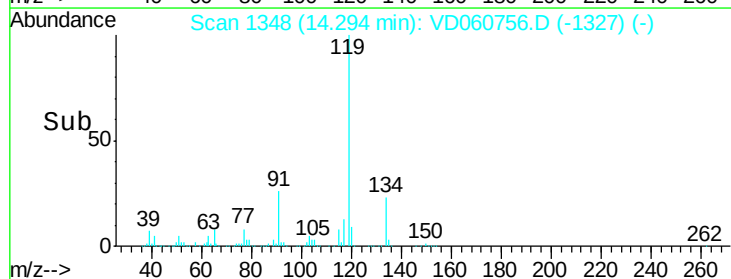
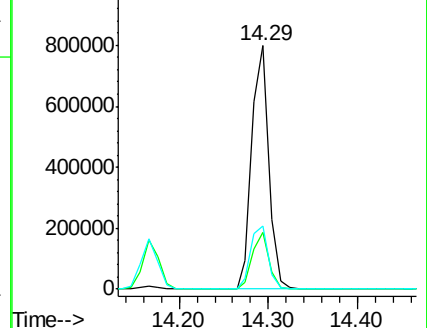
91 26.1 11.4 34.2

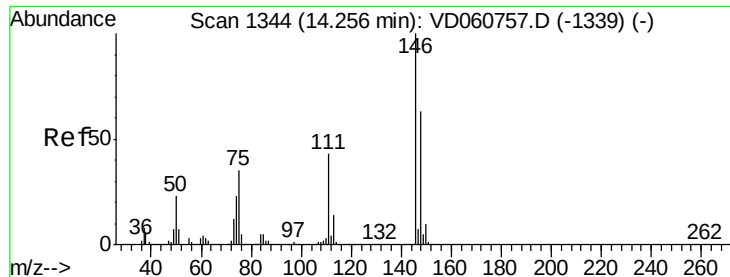


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

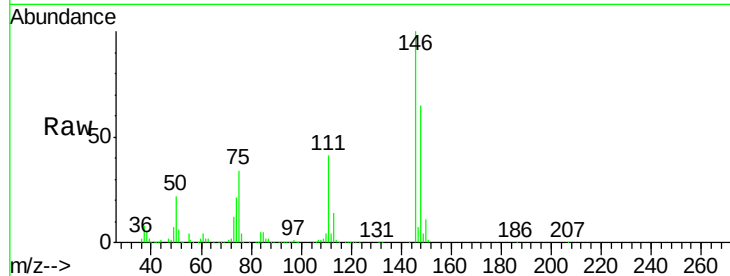




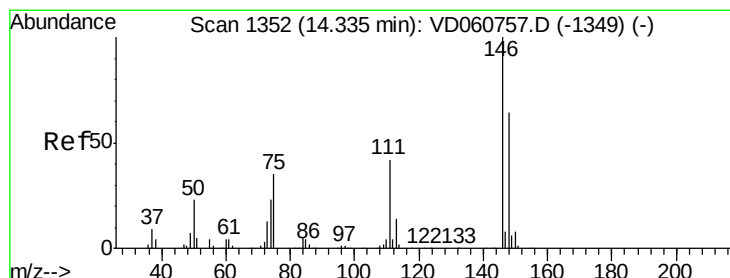
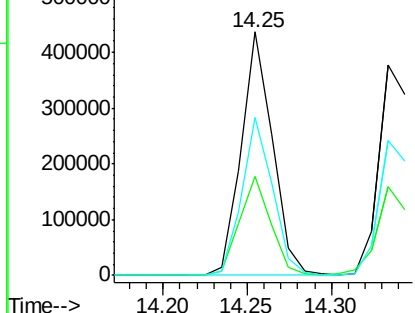
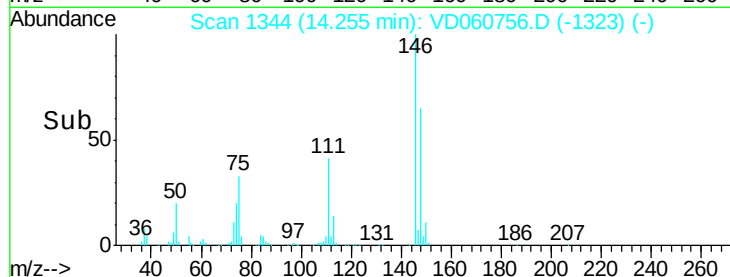
#87
 1,3-Dichlorobenzene
 Concen: 21.236 ug/l
 RT: 14.25 min Scan# 1344
 Delta R.T. 0.01 min
 Lab File: VD060756.D
 Acq: 18 Jan 2019 11:54

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

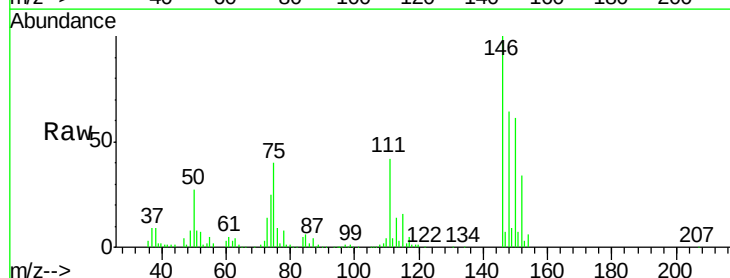


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

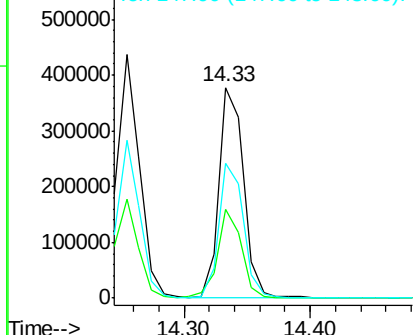
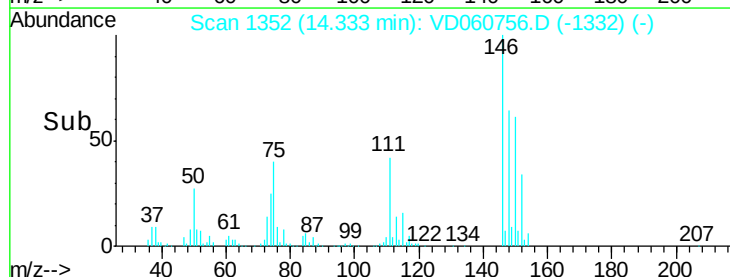


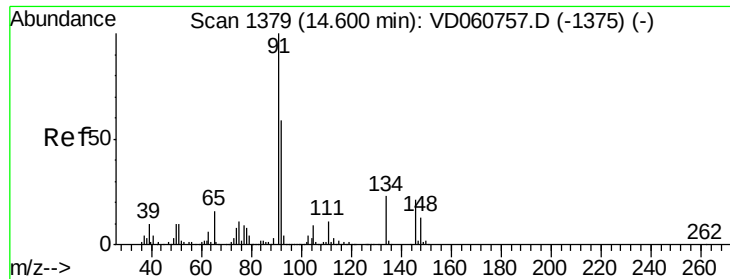
#88
 1,4-Dichlorobenzene
 Concen: 19.606 ug/l
 RT: 14.33 min Scan# 1352
 Delta R.T. 0.00 min
 Lab File: VD060756.D
 Acq: 18 Jan 2019 11:54

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

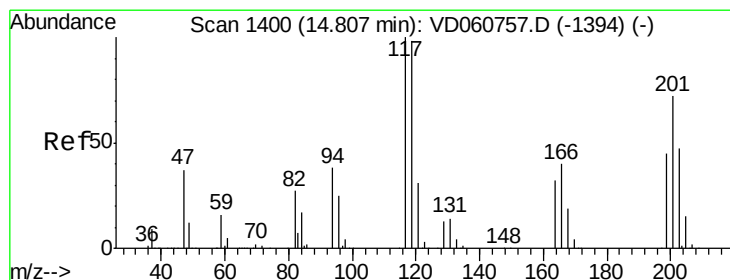
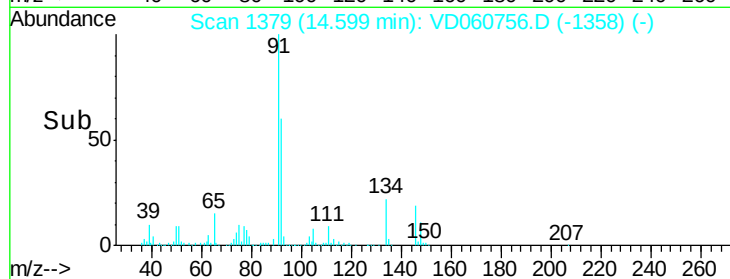
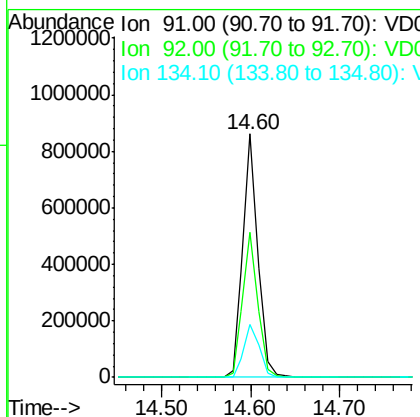
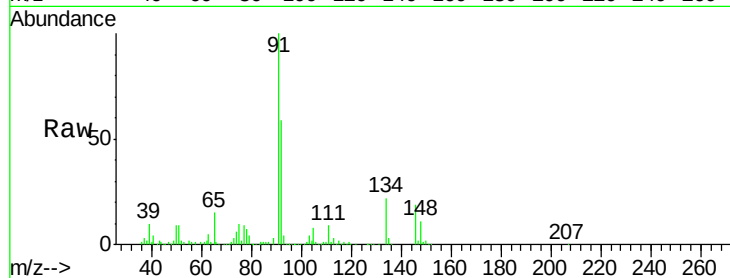




#89
n-Butylbenzene
Concen: 21.022 ug/l
RT: 14.60 min Scan# 1379
Delta R.T. 0.01 min
Lab File: VD060756.D
Acq: 18 Jan 2019 11:54

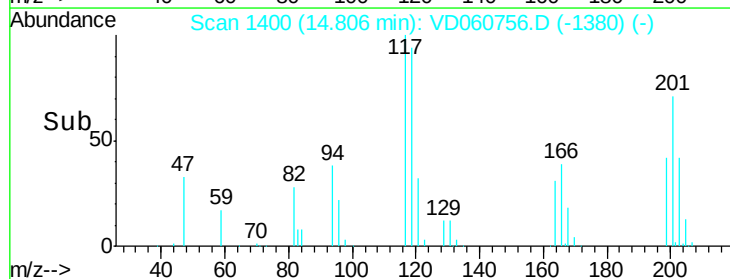
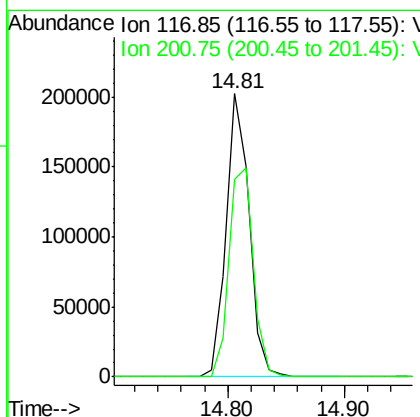
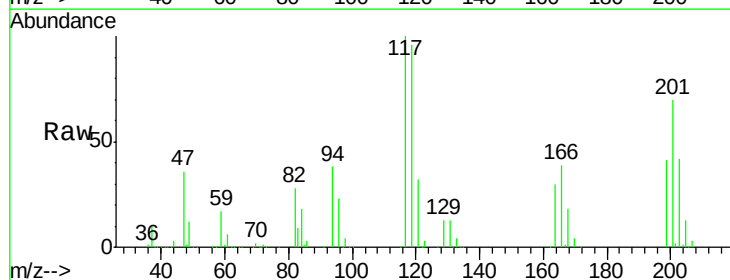
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

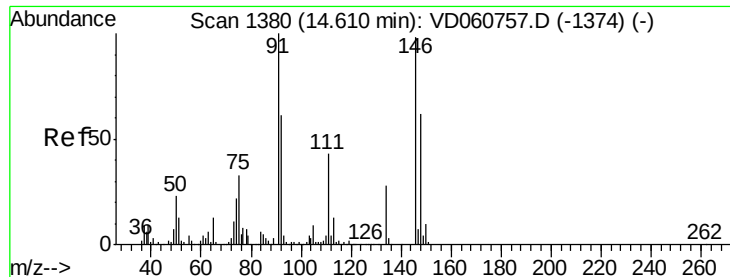
Tot Ion: 91 Resp: 1016587
Ion Ratio Lower Upper
91 100
92 59.5 29.7 89.1
134 22.0 12.7 38.1



#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

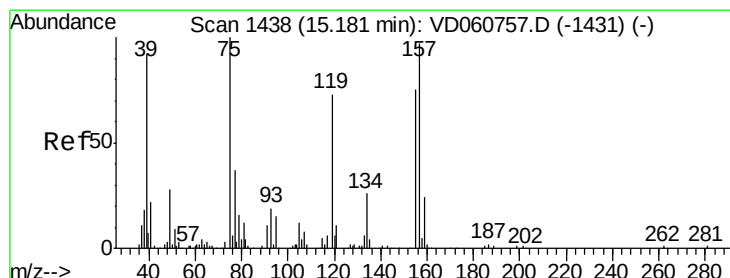
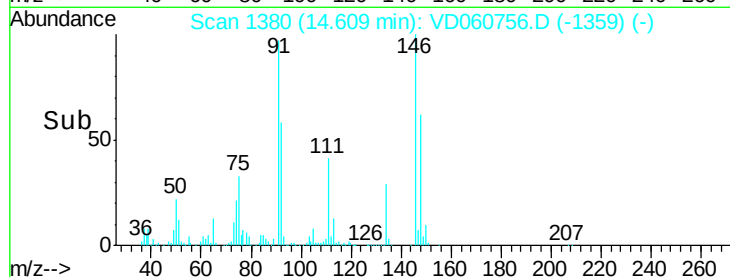
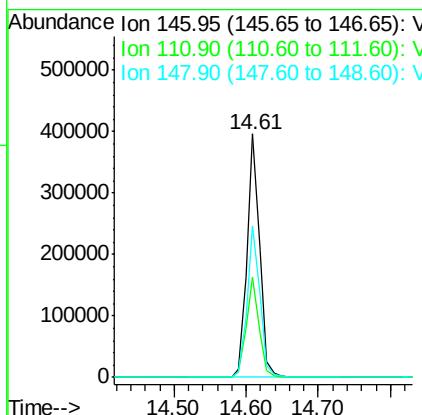
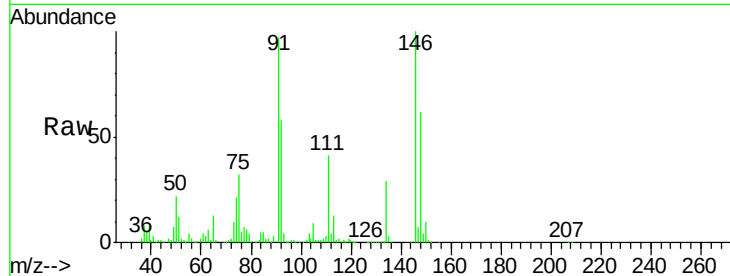




#91
 1,2-Dichlorobenzene
 Concen: 22.885 ug/l
 RT: 14.61 min Scan# 1380
 Delta R.T. 0.01 min
 Lab File: VD060756.D
 Acq: 18 Jan 2019 11:54

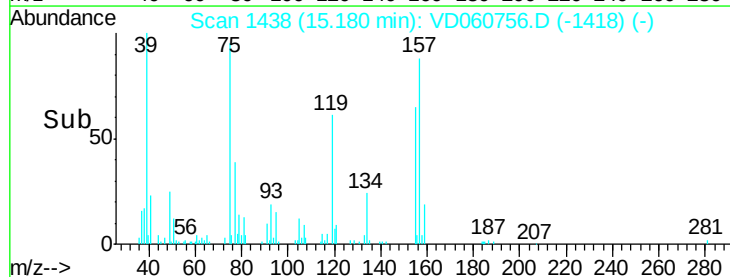
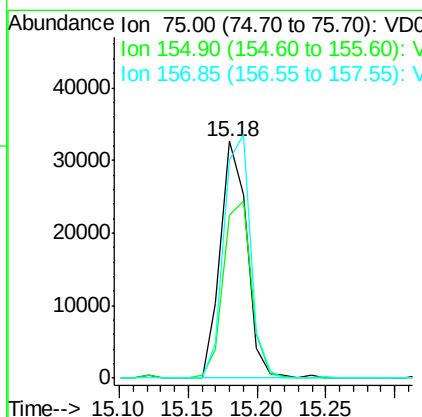
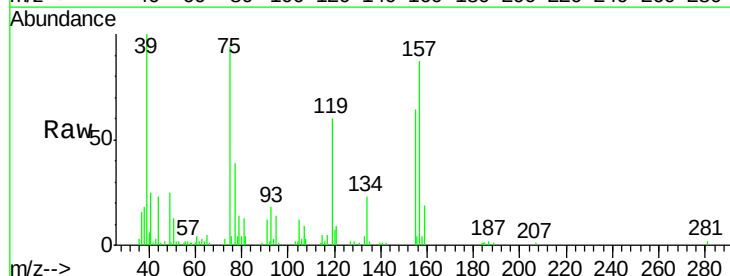
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

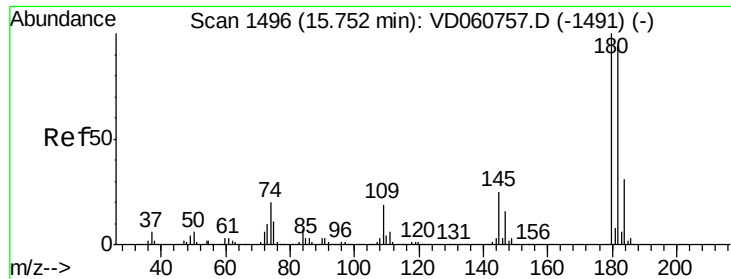
Tot Ion:146 Resp: 486692
 Ion Ratio Lower Upper
 146 100
 111 40.9 19.3 57.9
 148 62.1 31.9 95.9



#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: 75 Resp: 43479
 Ion Ratio Lower Upper
 75 100
 155 68.7 41.1 123.4
 157 92.3 52.5 157.6

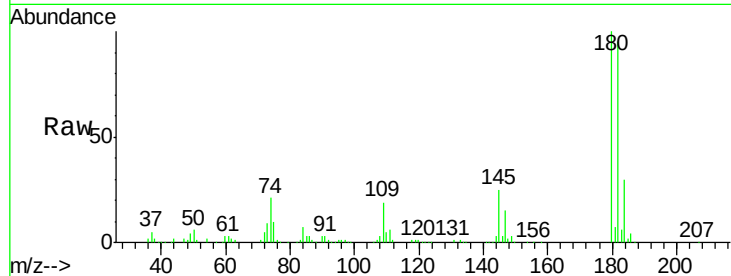




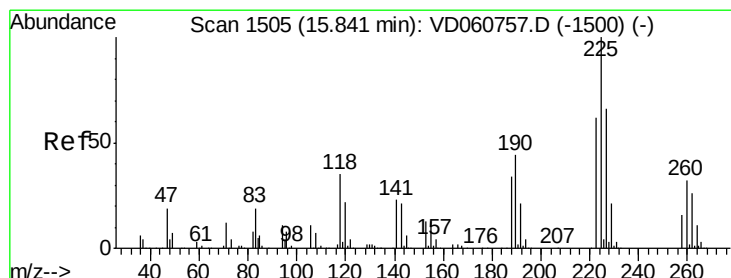
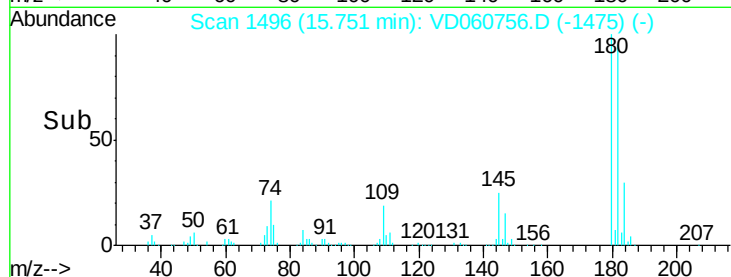
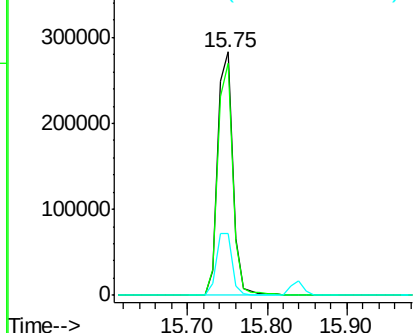
#93
 1,2,4-Trichlorobenzene
 Concen: 22.786 ug/l
 RT: 15.75 min Scan# 1496
 Delta R.T. 0.01 min
 Lab File: VD060756.D
 Acq: 18 Jan 2019 11:54

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

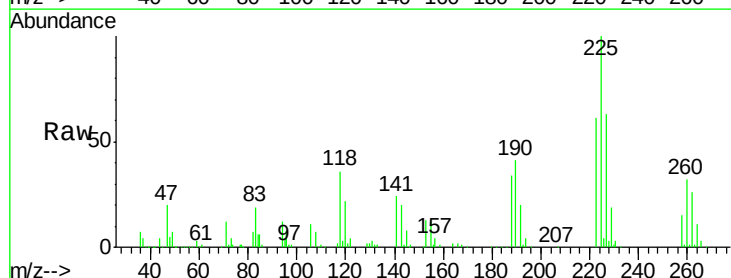


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

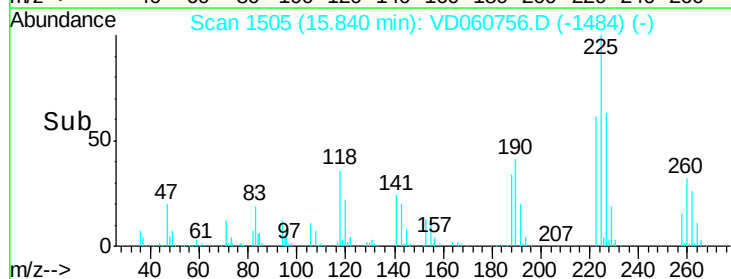
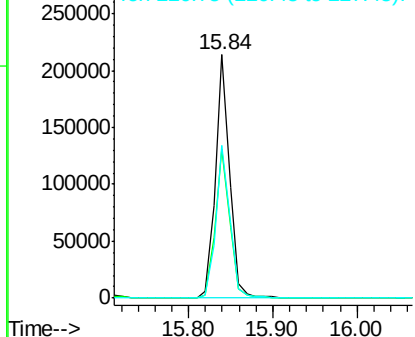


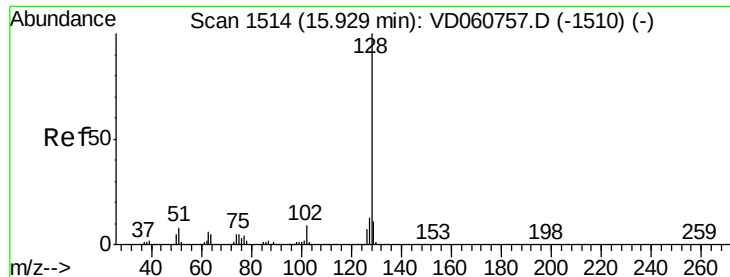
#94
 Hexachlorobutadiene
 Concen: 19.960 ug/l
 RT: 15.84 min Scan# 1505
 Delta R.T. 0.01 min
 Lab File: VD060756.D
 Acq: 18 Jan 2019 11:54

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

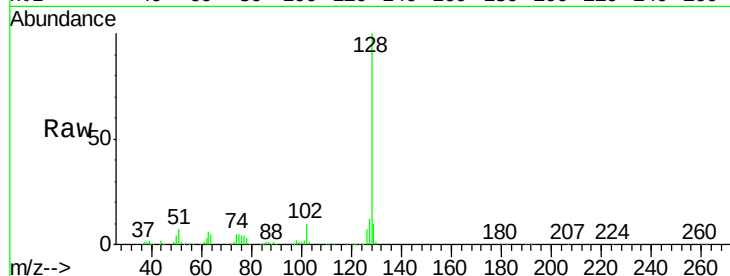
Tot Ion:128 Resp: 593083

Ion Ratio Lower Upper

128 100

127 12.3 10.1 15.1

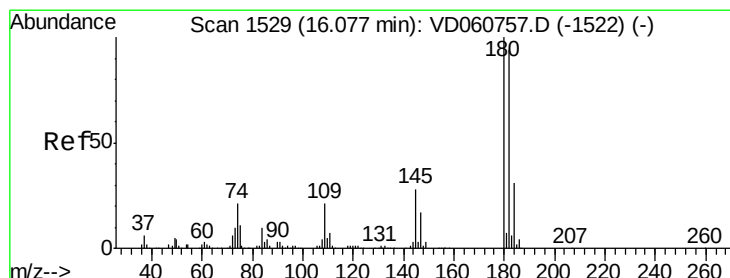
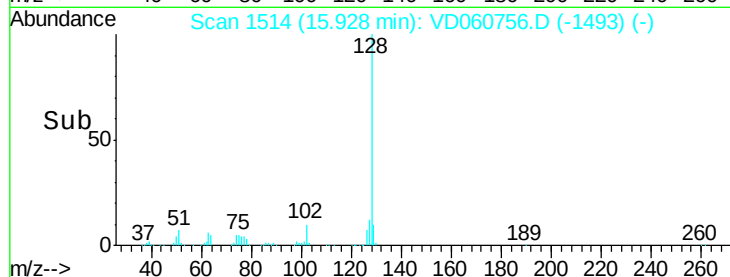
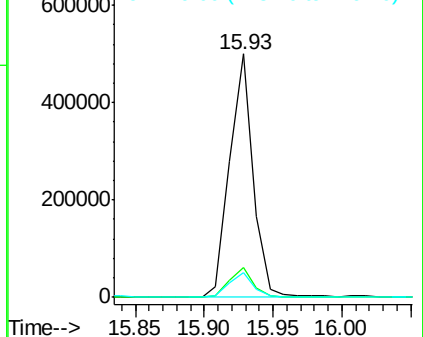
129 10.3 8.6 13.0



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

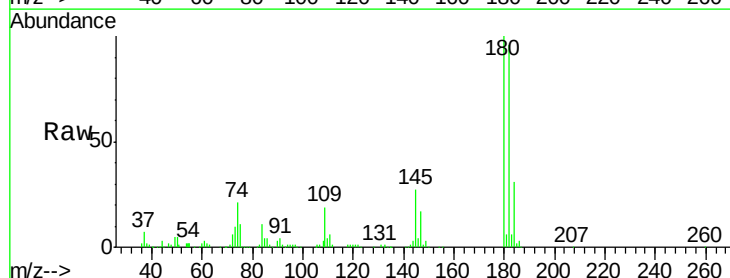
Tgt Ion:180 Resp: 322875

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

