

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081518\
 Data File : VD059790.D
 Acq On : 15 Aug 2018 4:37
 Operator : VA/AP
 Sample : VD0815SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0815SBS01

Quant Time: Aug 15 17:50:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D081518S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 15 16:08:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	282073	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	389242	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	311995	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	172210	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.02	65	180083	49.69	ug/l	0.00
Spiked Amount			Recovery	=	99.38%	
35) Dibromofluoromethane	5.55	113	167573	49.40	ug/l	0.00
Spiked Amount			Recovery	=	98.80%	
50) Toluene-d8	8.70	98	389123	48.43	ug/l	0.00
Spiked Amount			Recovery	=	96.86%	
62) 4-Bromofluorobenzene	11.93	95	171826	47.74	ug/l	0.00
Spiked Amount			Recovery	=	95.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.35	85	61359	17.85	ug/l	97
3) Chloromethane	1.48	50	37429	19.84	ug/l	95
4) Vinyl Chloride	1.56	62	38461	19.24	ug/l	99
5) Bromomethane	1.79	94	9033	14.19	ug/l	94
6) Chloroethane	1.88	64	12416	14.89	ug/l	99
7) Trichlorofluoromethane	2.08	101	54797	17.46	ug/l	94
8) Diethyl Ether	2.35	74	11559	19.14	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	2.56	101	33771	19.18	ug/l	97
10) Methyl Iodide	2.69	142	30730	16.57	ug/l	97
11) Tert butyl alcohol	3.26	59	10157	79.21	ug/l #	74
12) 1,1-Dichloroethene	2.55	96	24644	19.36	ug/l	96
13) Acrolein	2.47	56	7707	79.54	ug/l	85
14) Allyl chloride	2.92	41	60347	18.87	ug/l	96
15) Acrylonitrile	3.36	53	48537	108.05	ug/l	97
16) Acetone	2.61	43	50233	87.83	ug/l	97
17) Carbon Disulfide	2.76	76	79038	18.53	ug/l	99
18) Methyl Acetate	2.94	43	21055	17.22	ug/l	97
19) Methyl tert-butyl Ether	3.41	73	122374	19.70	ug/l	99
20) Methylene Chloride	3.07	84	34865	20.68	ug/l	94
21) trans-1,2-Dichloroethene	3.38	96	50035	19.95	ug/l	99
22) Diisopropyl ether	4.07	45	166853	19.34	ug/l	91
23) Vinyl Acetate	4.02	43	492763	100.85	ug/l	100
24) 1,1-Dichloroethane	3.97	63	99597	19.46	ug/l	98
25) 2-Butanone	4.84	43	74692	85.32	ug/l	98
26) 2,2-Dichloropropane	4.80	77	85101	18.18	ug/l	99
27) cis-1,2-Dichloroethene	4.81	96	57310	20.86	ug/l	93
28) Bromochloromethane	5.14	49	40038	19.94	ug/l	95
29) Tetrahydrofuran	5.18	42	37905	101.49	ug/l	96
30) Chloroform	5.32	83	118833	19.34	ug/l	92
31) Cyclohexane	5.59	56	70150	19.06	ug/l	94
32) 1,1,1-Trichloroethane	5.52	97	103956	19.24	ug/l	96
36) 1,1-Dichloropropene	5.74	75	76571	19.17	ug/l	95
37) Ethyl Acetate	4.93	43	39964	20.01	ug/l #	93
38) Carbon Tetrachloride	5.72	117	90506	18.78	ug/l	99

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 Operator : VA/AP
 Sample : VD0815SBS01
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0815SBS01

Quant Time: Aug 15 17:50:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D081518S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 15 16:08:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.29	83	65450	18.95	ug/l	98
40) Benzene	6.02	78	163218	19.27	ug/l	98
41) Methacrylonitrile	5.12	41	19440	20.34	ug/l	94
42) 1,2-Dichloroethane	6.13	62	87334	19.05	ug/l	98
43) Isopropyl Acetate	7.62	43	51605	20.46	ug/l	99
44) Trichloroethene	6.98	130	53310	18.38	ug/l	91
45) 1,2-Dichloropropane	7.35	63	43730	19.86	ug/l	100
46) Dibromomethane	7.46	93	33652	18.69	ug/l	93
47) Bromodichloromethane	7.74	83	84204	19.08	ug/l	95
48) Methyl methacrylate	7.50	41	32706	19.87	ug/l	97
49) 1,4-Dioxane	7.49	88	5844	403.19	ug/l #	89
51) 4-Methyl-2-Pentanone	8.60	43	168432	88.34	ug/l	98
52) Toluene	8.80	92	107590	19.83	ug/l	98
53) t-1,3-Dichloropropene	9.19	75	69880	19.10	ug/l	99
54) cis-1,3-Dichloropropene	8.36	75	74709	18.90	ug/l	93
55) 1,1,2-Trichloroethane	9.45	97	40841	20.39	ug/l	99
56) Ethyl methacrylate	9.31	69	43568	20.08	ug/l	98
57) 1,3-Dichloropropane	9.67	76	59053	18.82	ug/l	91
58) 2-Chloroethyl Vinyl ether	8.18	63	110464	103.01	ug/l	98
59) 2-Hexanone	9.79	43	123829	90.57	ug/l	94
60) Dibromochloromethane	9.95	129	56471	19.41	ug/l	98
61) 1,2-Dibromoethane	10.09	107	42335	19.08	ug/l	100
64) Tetrachloroethene	9.51	164	52165	19.41	ug/l	97
65) Chlorobenzene	10.72	112	131303	20.78	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.85	131	52261	20.52	ug/l	95
67) Ethyl Benzene	10.86	91	224176	20.61	ug/l	96
68) m/p-Xylenes	11.02	106	145290	39.40	ug/l	96
69) o-Xylene	11.40	106	71119	20.09	ug/l	97
70) Styrene	11.43	104	120004	19.12	ug/l	96
71) Bromoform	11.60	173	35929	19.41	ug/l #	96
73) Isopropylbenzene	11.77	105	211219	19.37	ug/l	99
74) N-amyl acetate	11.65	43	68214	20.40	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.08	83	42796	19.33	ug/l	100
76) 1,2,3-Trichloropropane	12.11	75	48716	19.94	ug/l	96
77) Bromobenzene	12.04	156	62190	19.96	ug/l	88
78) n-propylbenzene	12.16	91	270547	19.89	ug/l	99
79) 2-Chlorotoluene	12.22	91	164619	20.07	ug/l	94
80) 1,3,5-Trimethylbenzene	12.31	105	180449	20.67	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.84	75	11758	20.57	ug/l	90
82) 4-Chlorotoluene	12.32	91	187745	20.17	ug/l	98
83) tert-Butylbenzene	12.57	119	190105	19.71	ug/l	97
84) 1,2,4-Trimethylbenzene	12.62	105	182097	19.35	ug/l	98
85) sec-Butylbenzene	12.76	105	221757	19.83	ug/l	96
86) p-Isopropyltoluene	12.88	119	188751	20.17	ug/l	94
87) 1,3-Dichlorobenzene	12.84	146	108939	19.50	ug/l	98
88) 1,4-Dichlorobenzene	12.92	146	106853	19.29	ug/l	99
89) n-Butylbenzene	13.19	91	194933	20.61	ug/l	100
90) Hexachloroethane	13.40	117	45111	19.21	ug/l	85
91) 1,2-Dichlorobenzene	13.19	146	96368	20.97	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.77	75	7849	19.87	ug/l	88

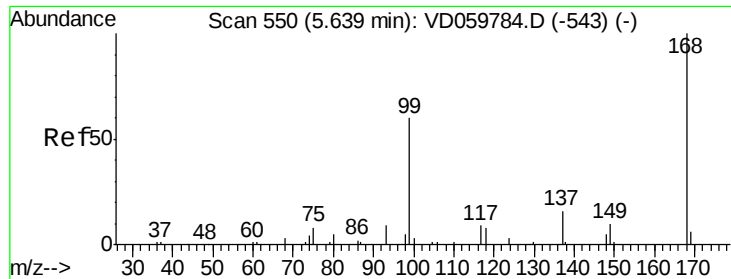
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081518\
Data File : VD059790.D
Acq On : 15 Aug 2018 4:37
Operator : VA/AP
Sample : VD0815SBSD01
Misc : 5.00µl/5ml/MSVOA D/SOIL
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0815SBSD01

Quant Time: Aug 15 17:50:18 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D081518S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 15 16:08:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	75570	19.67	µg/l	96
94) Hexachlorobutadiene	14.43	225	51465	18.14	µg/l	96
95) Naphthalene	14.52	128	114517	19.47	µg/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	60848	17.95	µg/l	96

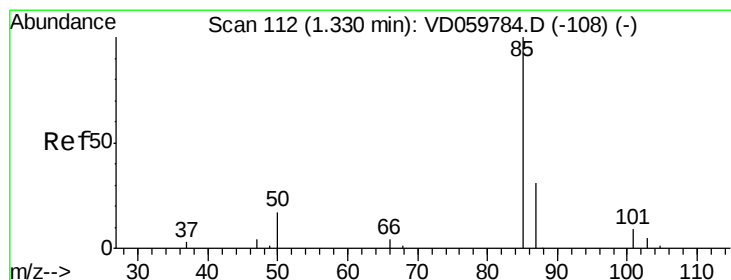
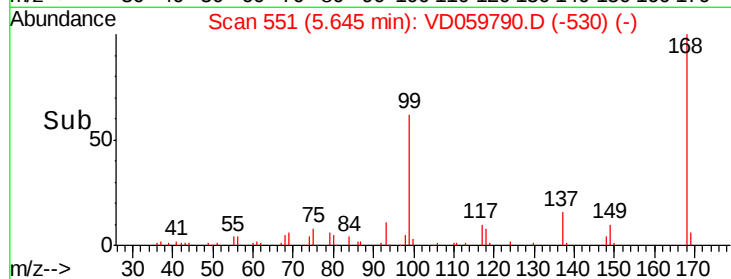
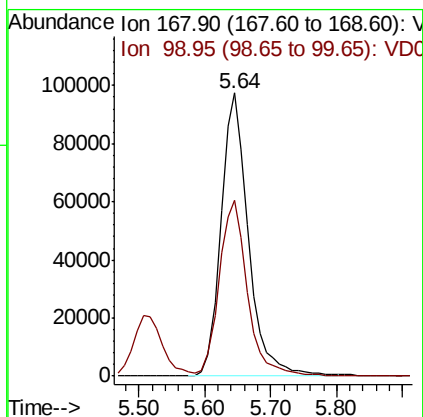
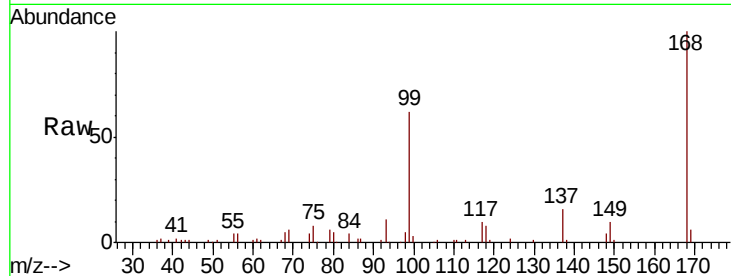
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.64 min Scan# 551
Delta R.T. 0.01 min
Lab File: VD059790.D
Acq: 15 Aug 2018 4:37

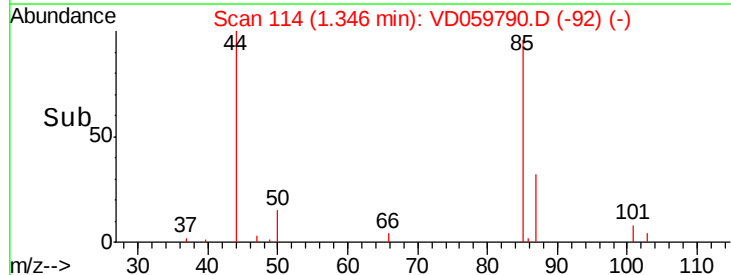
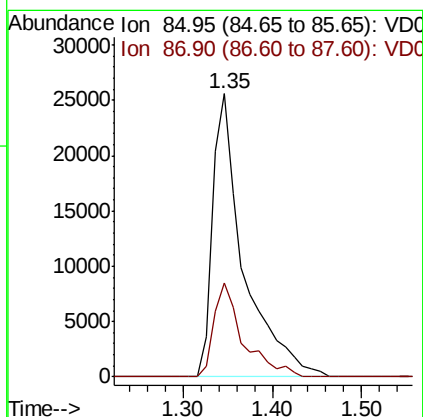
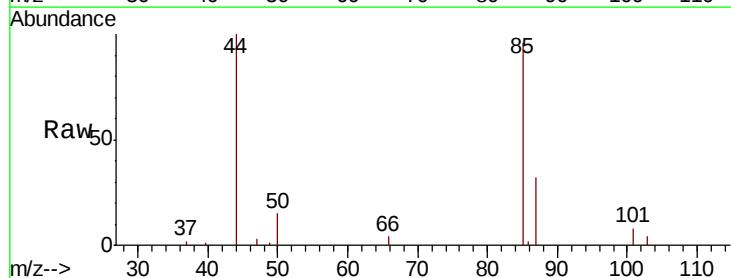
Instrument :
MSVOA_D
ClientSampleId :
VD0815SBS01

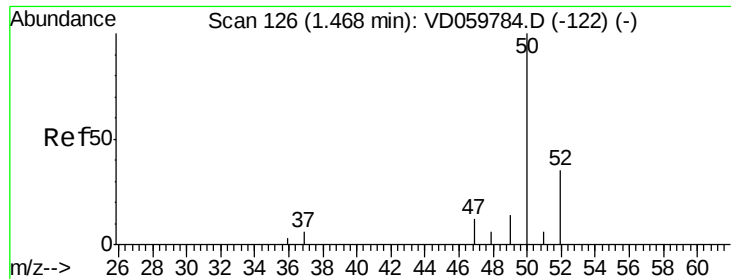
Tot Ion:168 Resp: 282073
Ion Ratio Lower Upper
168 100
99 62.0 50.3 75.5



#2
Dichlorodifluoromethane
Concen: 17.85 ug/l
RT: 1.35 min Scan# 114
Delta R.T. 0.02 min
Lab File: VD059790.D
Acq: 15 Aug 2018 4:37

Tgt Ion: 85 Resp: 61359
Ion Ratio Lower Upper
85 100
87 33.0 15.7 47.1





#3

Chloromethane

Concen: 19.84 ug/l

RT: 1.48 min Scan# 128

Delta R.T. 0.02 min

Lab File: VD059790.D

Acq: 15 Aug 2018 4:37

Instrument :

MSVOA_D

ClientSampleId :

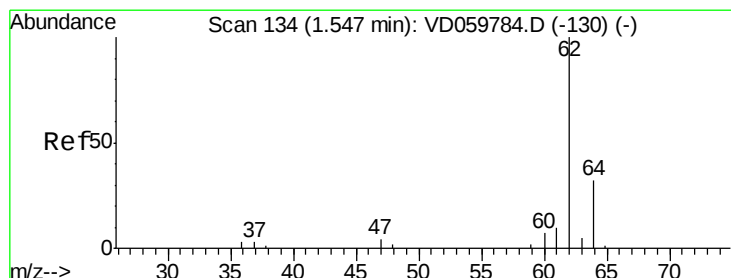
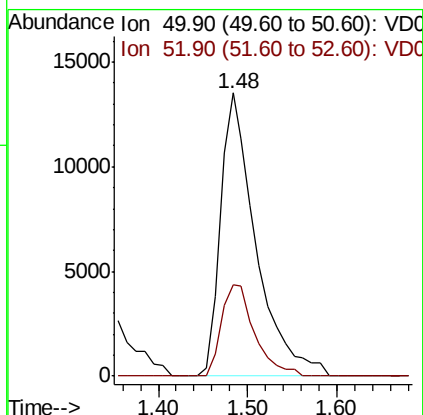
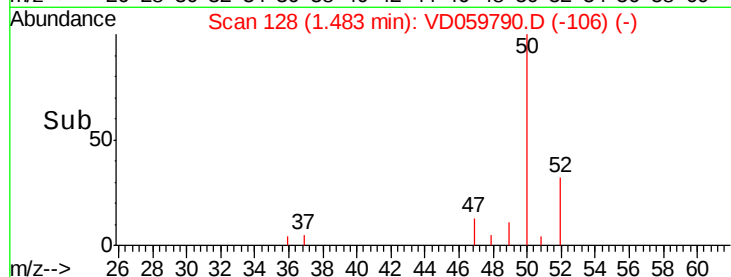
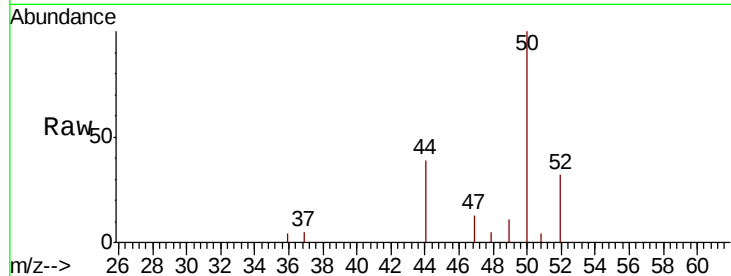
VD0815SBS01

Tot Ion: 50 Resp: 37429

Ion Ratio Lower Upper

50 100

52 32.4 28.4 42.6



#4

Vinyl Chloride

Concen: 19.24 ug/l

RT: 1.56 min Scan# 136

Delta R.T. 0.02 min

Lab File: VD059790.D

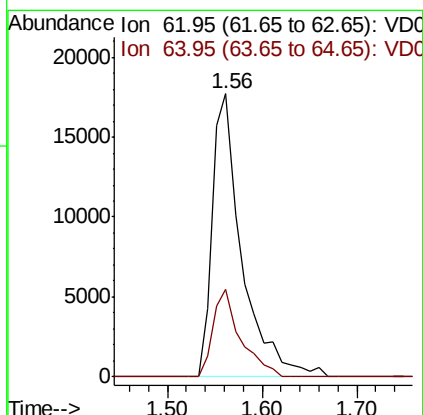
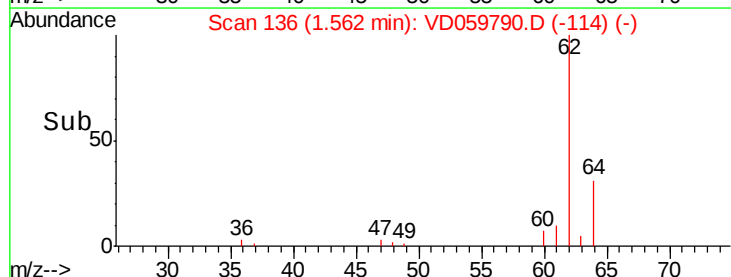
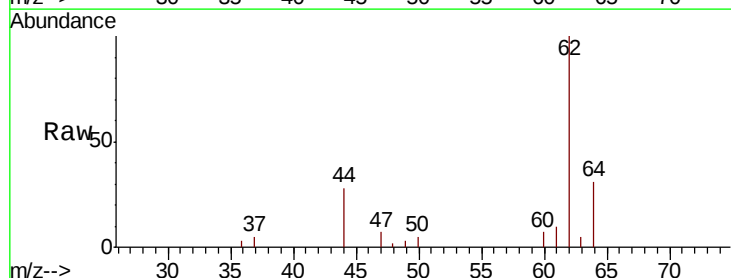
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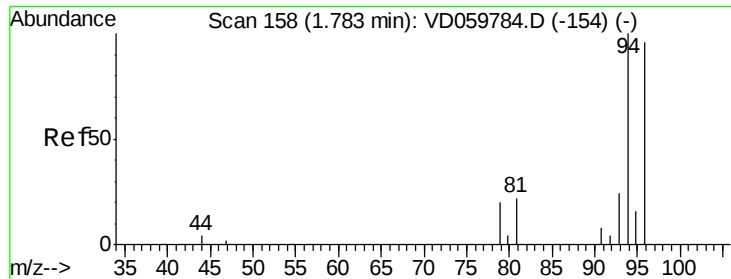
Tgt Ion: 62 Resp: 38461

Ion Ratio Lower Upper

62 100

64 31.1 25.5 38.3

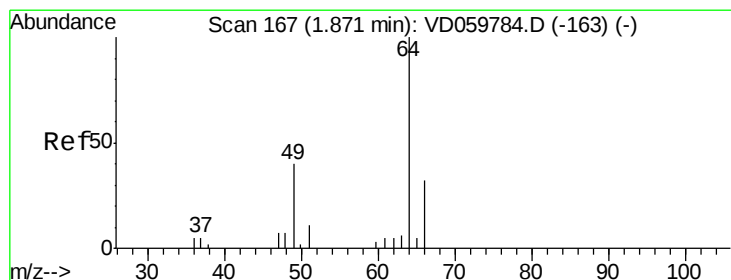
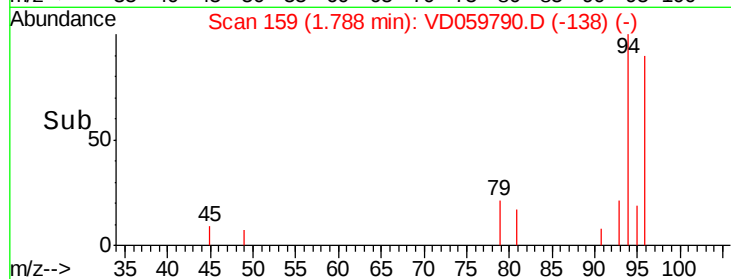
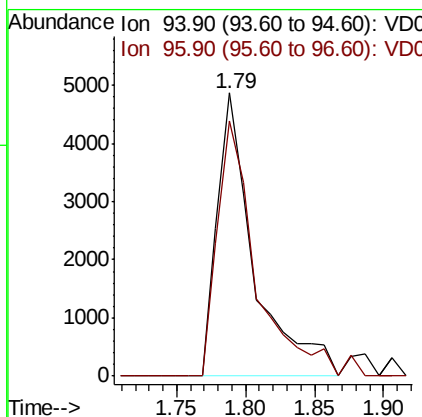
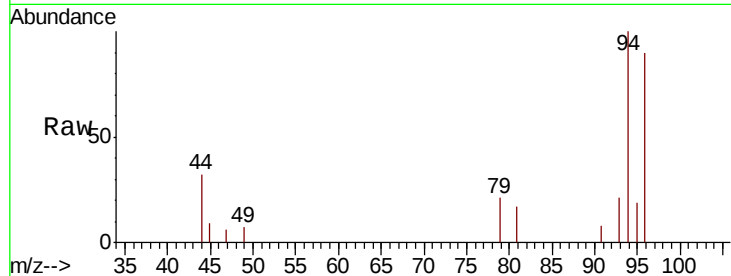




#5
Bromomethane
Concen: 14.19 ug/l
RT: 1.79 min Scan# 159
Delta R.T. 0.01 min
Lab File: VD059790.D
Acq: 15 Aug 2018 4:37

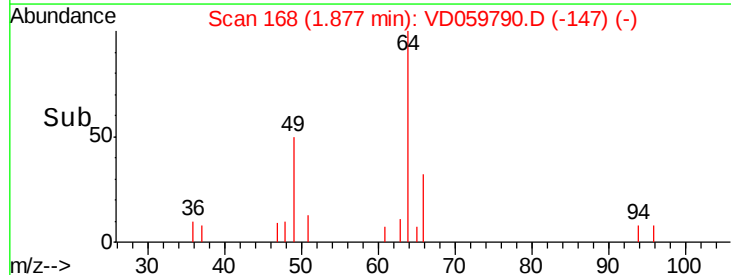
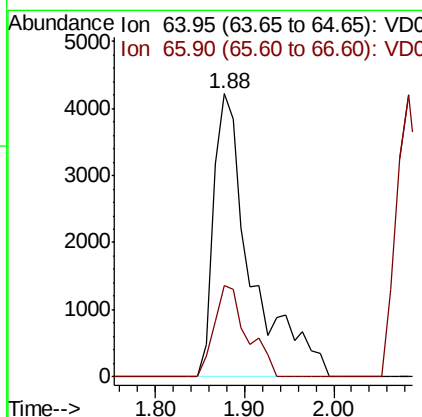
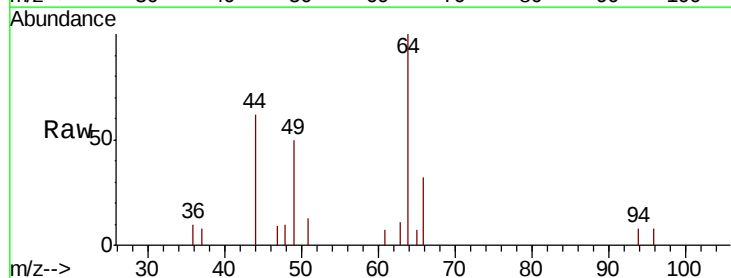
Instrument :
MSVOA_D
ClientSampleId :
VD0815SBSD01

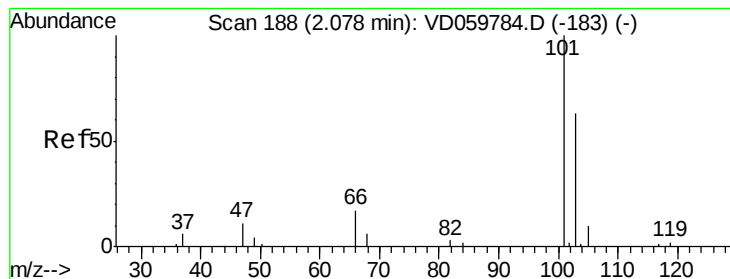
Tot Ion: 94 Resp: 9033
Ion Ratio Lower Upper
94 100
96 90.3 76.7 115.1



#6
Chloroethane
Concen: 14.89 ug/l
RT: 1.88 min Scan# 168
Delta R.T. 0.01 min
Lab File: VD059790.D
Acq: 15 Aug 2018 4:37

Tgt Ion: 64 Resp: 12416
Ion Ratio Lower Upper
64 100
66 32.1 25.4 38.2





#7

Trichlorofluoromethane

Concen: 17.46 ug/l

RT: 2.08 min Scan# 189

Delta R.T. 0.01 min

Lab File: VD059790.D

Acq: 15 Aug 2018 4:37

Instrument :

MSVOA_D

ClientSampleId :

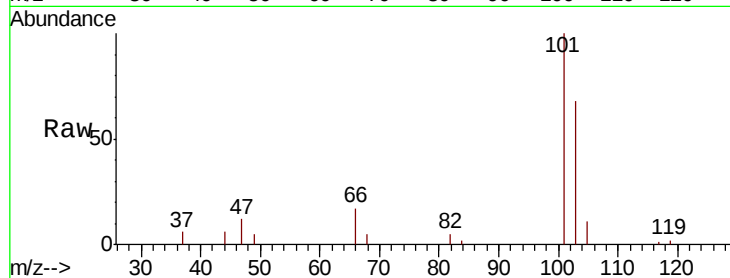
VD0815SBSD01

Tot Ion:101 Resp: 54797

Ion Ratio Lower Upper

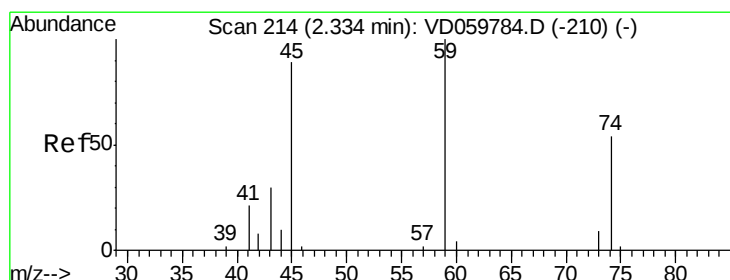
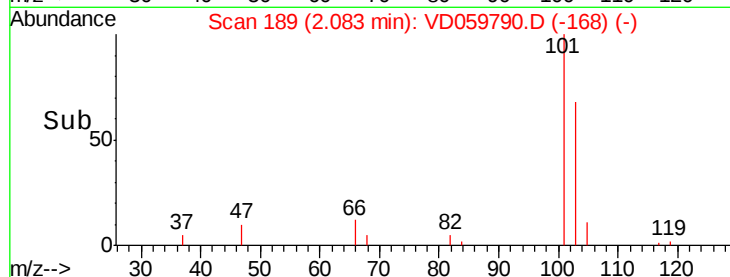
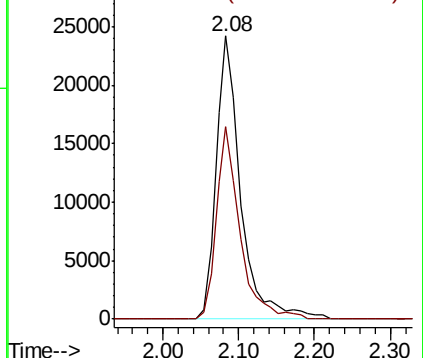
101 100

103 67.8 50.4 75.6



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V



#8

Diethyl Ether

Concen: 19.14 ug/l

RT: 2.35 min Scan# 216

Delta R.T. 0.02 min

Lab File: VD059790.D

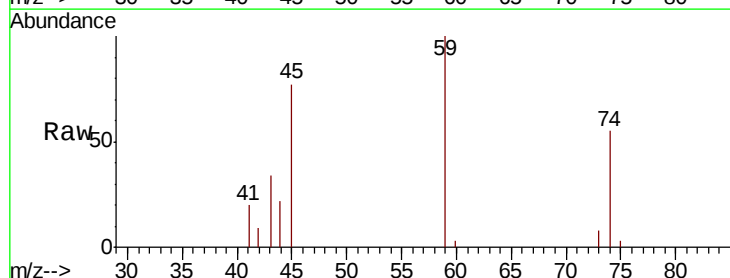
Acq: 15 Aug 2018 4:37

Tgt Ion: 74 Resp: 11559

Ion Ratio Lower Upper

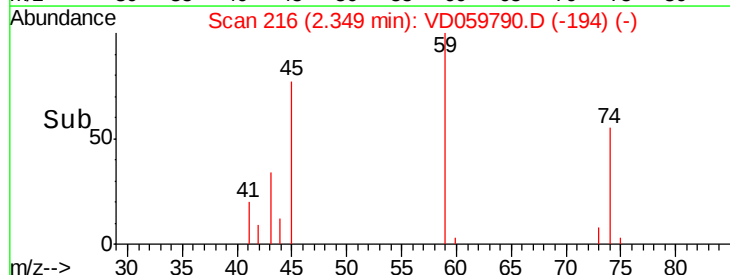
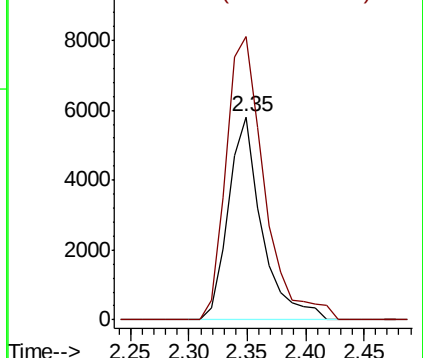
74 100

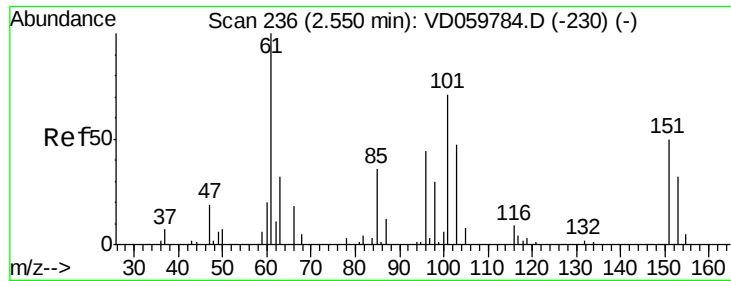
45 139.6 81.6 244.8



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.18 ug/l

RT: 2.56 min Scan# 237

Delta R.T. 0.01 min

Lab File: VD059790.D

Acq: 15 Aug 2018 4:37

Instrument :

MSVOA_D

ClientSampleId :

VD0815SBSD01

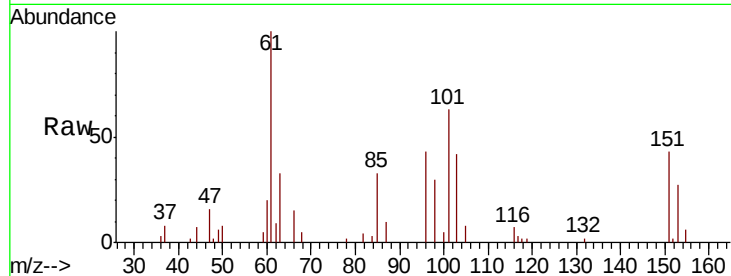
Tot Ion:101 Resp: 33771

Ion Ratio Lower Upper

101 100

85 52.0 40.6 61.0

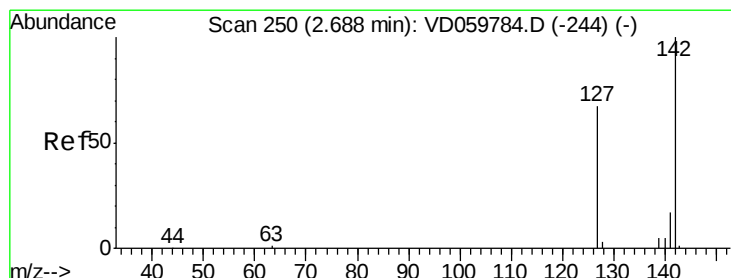
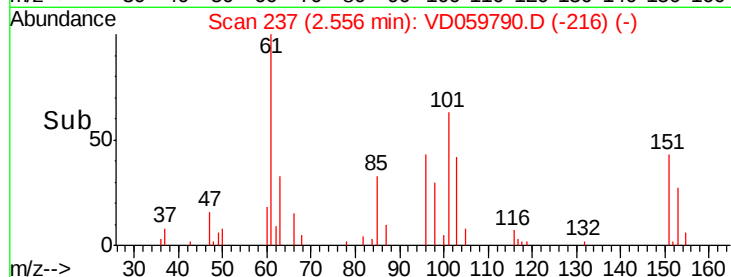
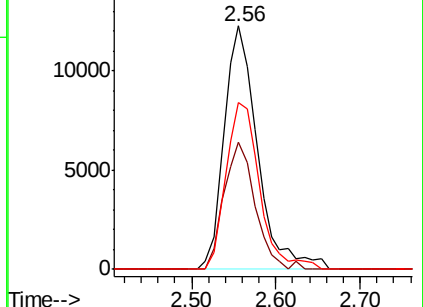
151 68.3 57.1 85.7



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 16.57 ug/l

RT: 2.69 min Scan# 251

Delta R.T. 0.01 min

Lab File: VD059790.D

Acq: 15 Aug 2018 4:37

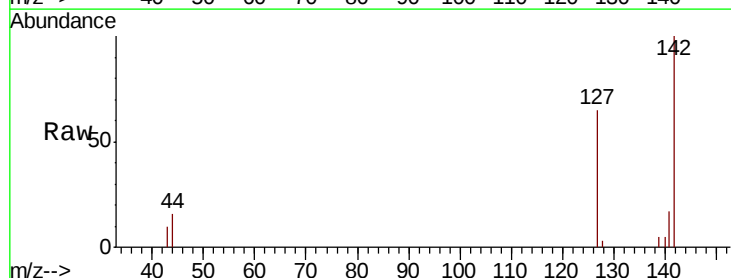
Tgt Ion:142 Resp: 30730

Ion Ratio Lower Upper

142 100

127 64.7 54.0 81.0

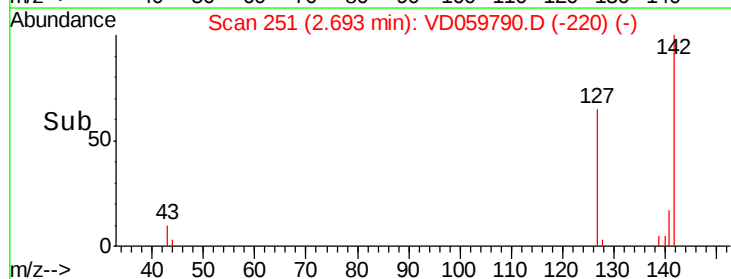
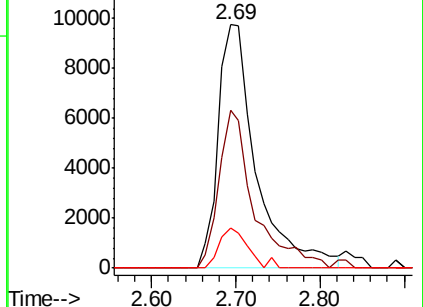
141 16.7 13.3 19.9

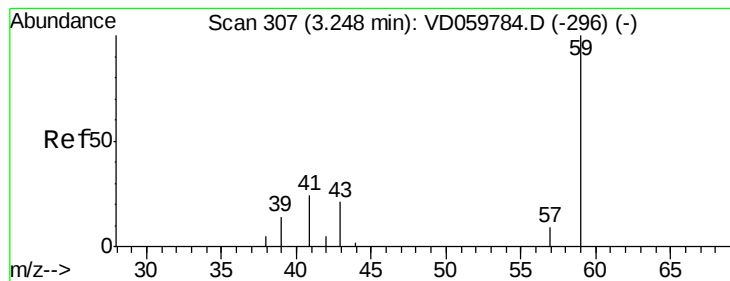


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 79.21 ug/l

RT: 3.26 min Scan# 309

Delta R.T. 0.02 min

Lab File: VD059790.D

Acq: 15 Aug 2018 4:37

Instrument :

MSVOA_D

ClientSampleID :

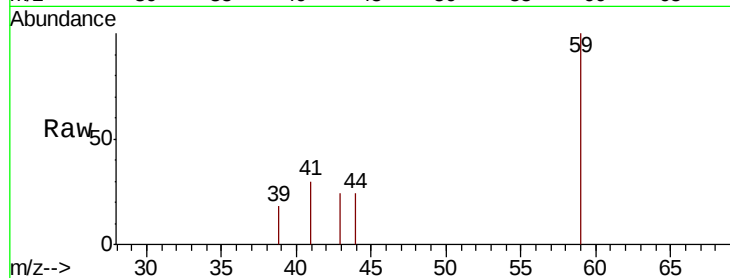
VD0815SBS01

Tot Ion: 59 Resp: 10157

Ion Ratio Lower Upper

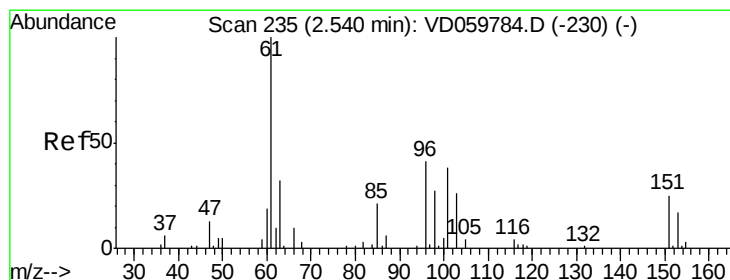
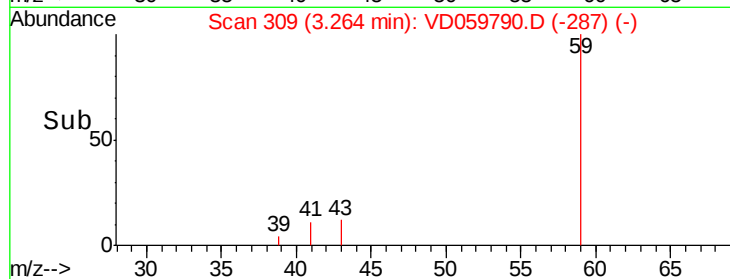
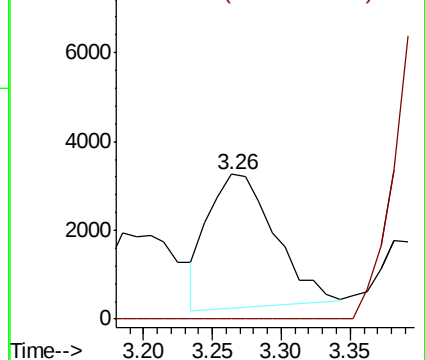
59 100

57 0.0 7.5 11.3#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC



#12

1,1-Dichloroethene

Concen: 19.36 ug/l

RT: 2.55 min Scan# 236

Delta R.T. 0.01 min

Lab File: VD059790.D

Acq: 15 Aug 2018 4:37

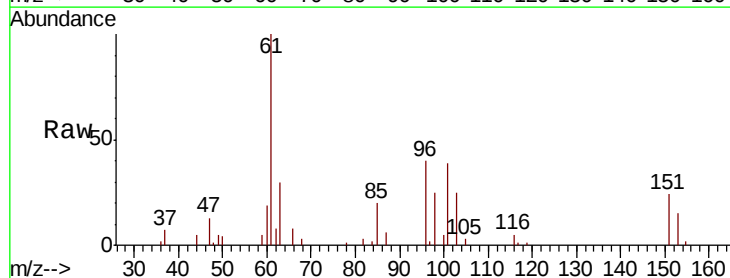
Tgt Ion: 96 Resp: 24644

Ion Ratio Lower Upper

96 100

61 250.9 194.1 291.1

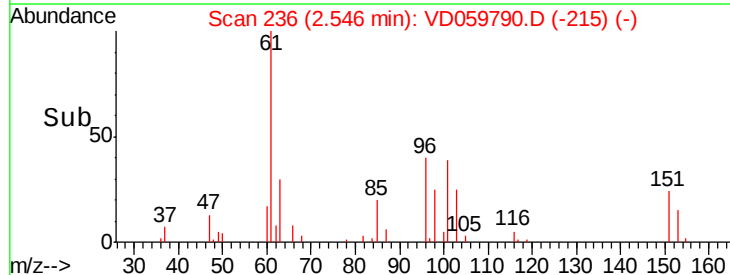
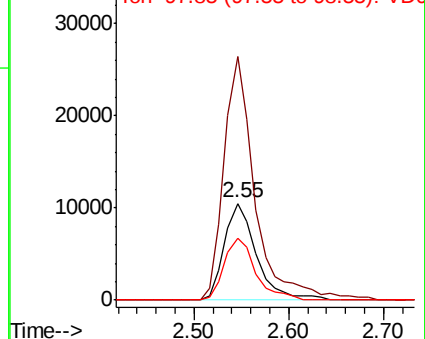
98 63.6 52.3 78.5

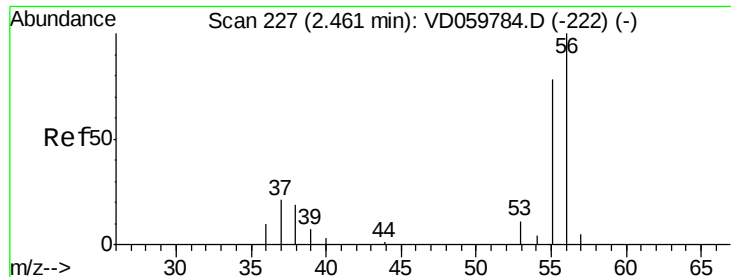


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#13

Acrolein

Concen: 79.54 ug/l

RT: 2.47 min Scan# 228

Delta R.T. 0.01 min

Lab File: VD059790.D

Acq: 15 Aug 2018 4:37

Instrument :

MSVOA_D

ClientSampleId :

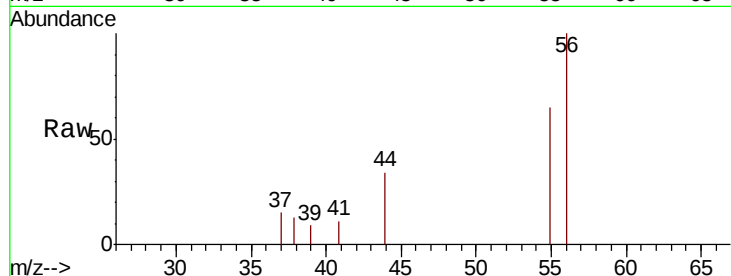
VD0815SBS01

Tot Ion: 56 Resp: 7707

Ion Ratio Lower Upper

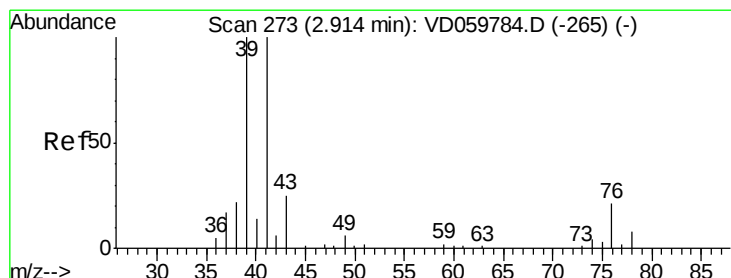
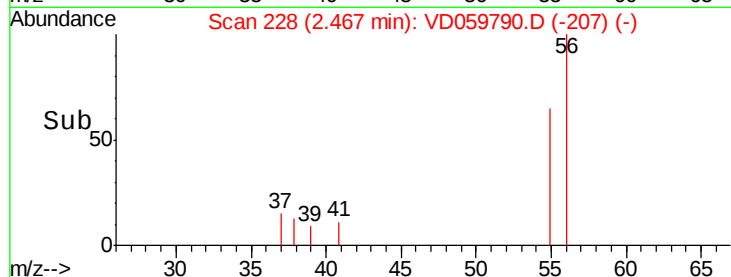
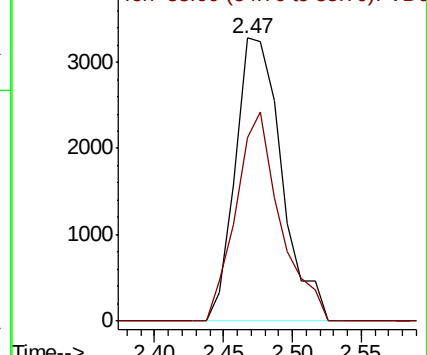
56 100

55 64.8 62.2 93.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 18.87 ug/l

RT: 2.92 min Scan# 274

Delta R.T. 0.01 min

Lab File: VD059790.D

Acq: 15 Aug 2018 4:37

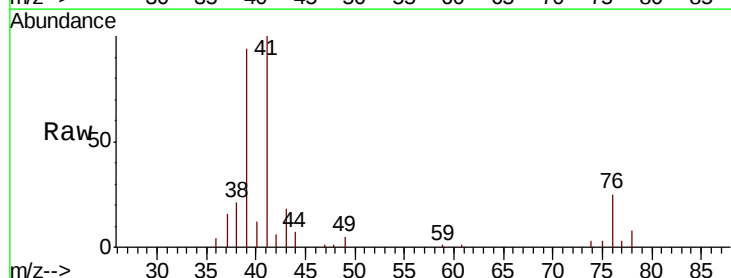
Tgt Ion: 41 Resp: 60347

Ion Ratio Lower Upper

41 100

39 94.4 79.8 119.6

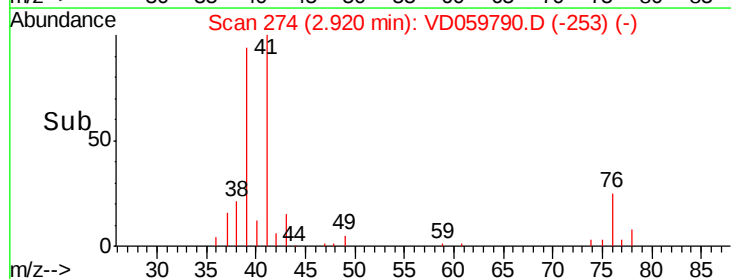
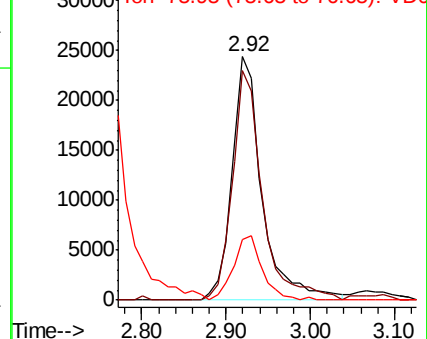
76 25.0 20.4 30.6

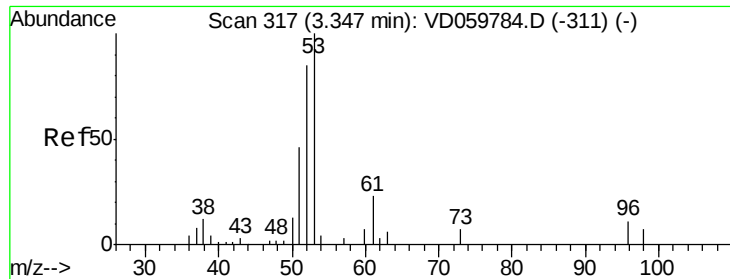


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

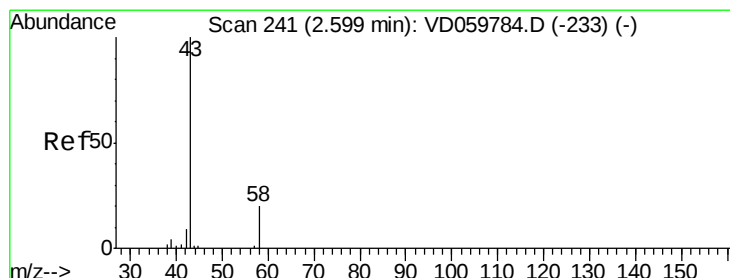
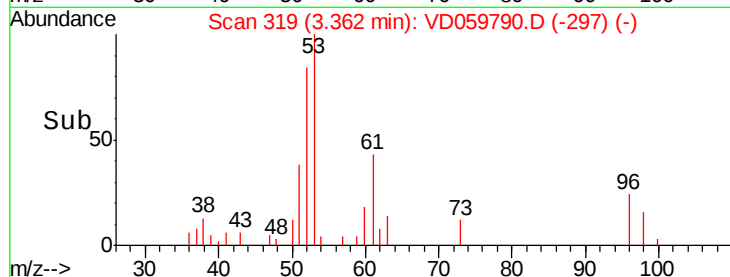
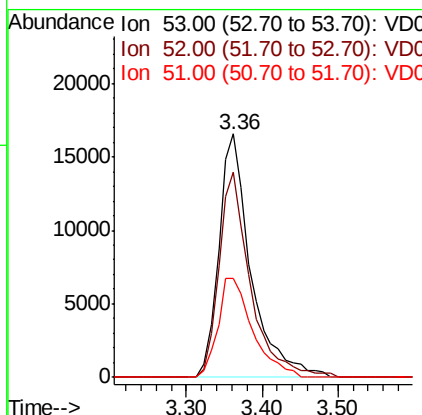
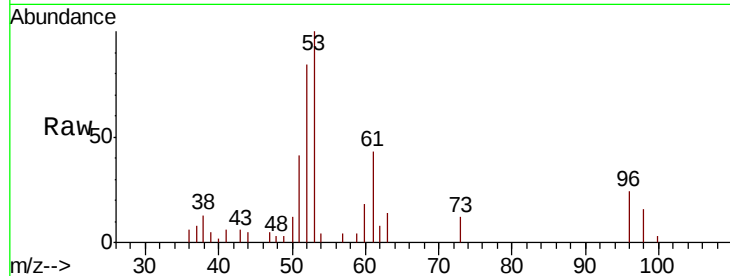




#15
 Acrylonitrile
 Concen: 108.05 ug/l
 RT: 3.36 min Scan# 319
 Delta R.T. 0.02 min
 Lab File: VD059790.D
 Acq: 15 Aug 2018 4:37

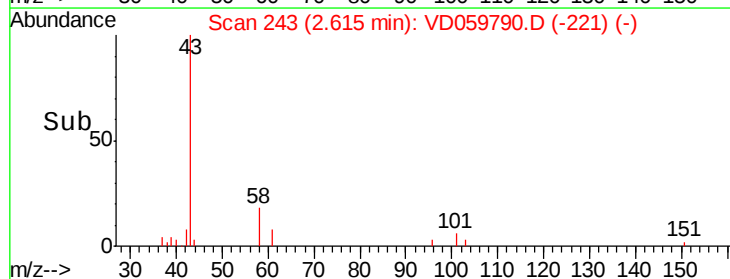
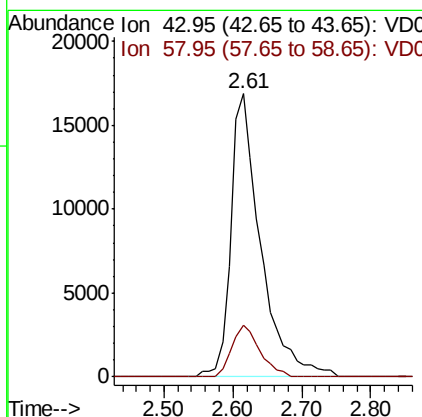
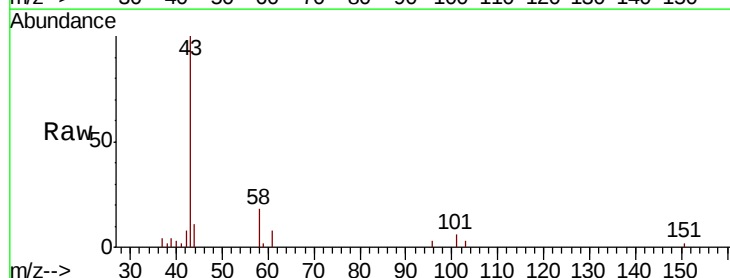
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0815SBS01

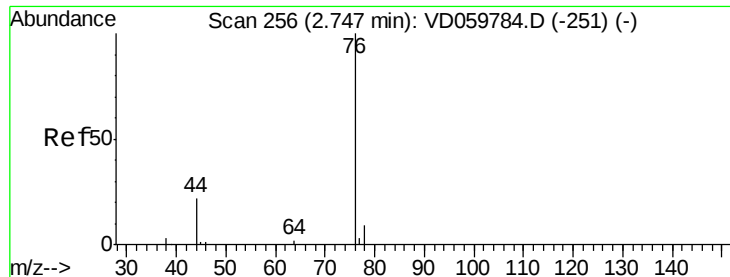
Tot Ion: 53 Resp: 48537
 Ion Ratio Lower Upper
 53 100
 52 84.4 68.2 102.2
 51 40.9 36.6 54.8



#16
 Acetone
 Concen: 87.83 ug/l
 RT: 2.61 min Scan# 243
 Delta R.T. 0.02 min
 Lab File: VD059790.D
 Acq: 15 Aug 2018 4:37

Tgt Ion: 43 Resp: 50233
 Ion Ratio Lower Upper
 43 100
 58 18.2 15.7 23.5

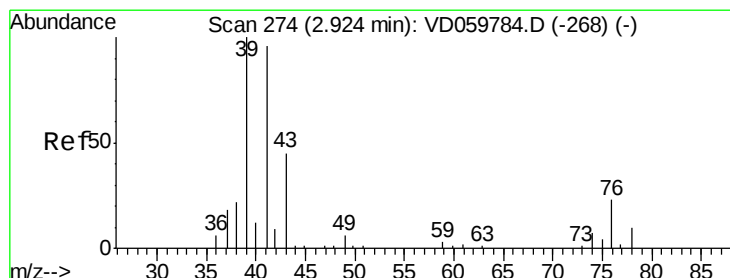
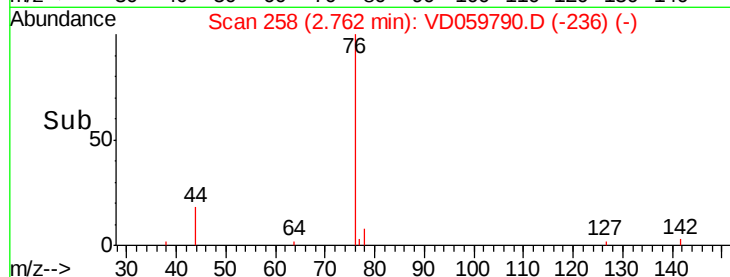
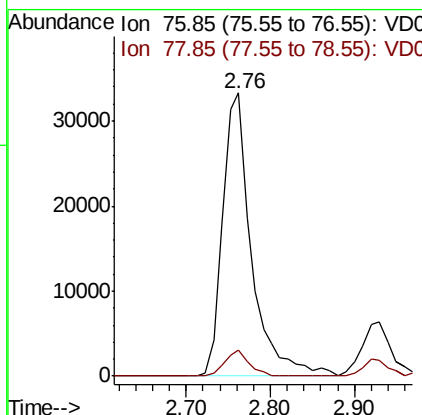
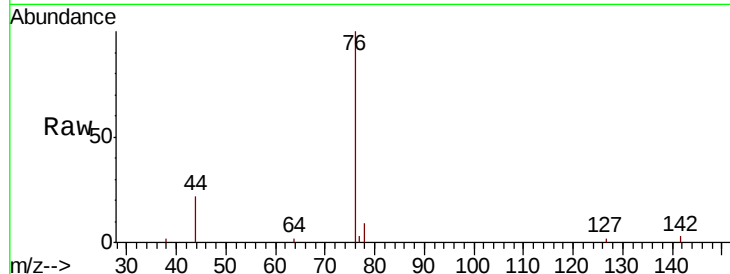




#17
Carbon Disulfide
Concen: 18.53 ug/l
RT: 2.76 min Scan# 258
Delta R.T. 0.02 min
Lab File: VD059790.D
Acq: 15 Aug 2018 4:37

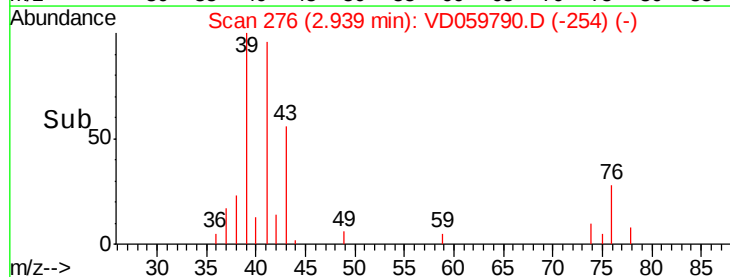
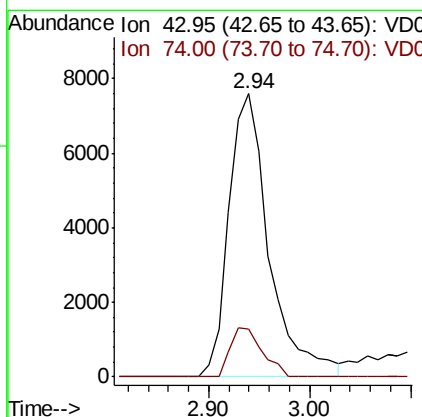
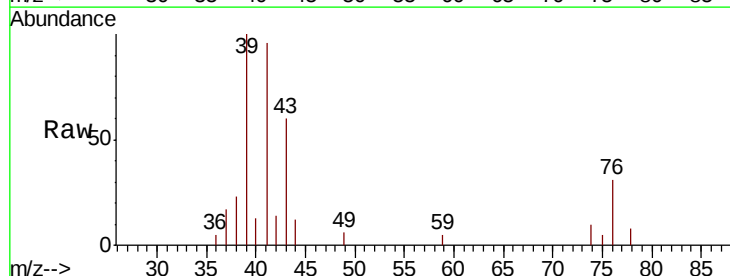
Instrument :
MSVOA_D
ClientSampleId :
VD0815SBSD01

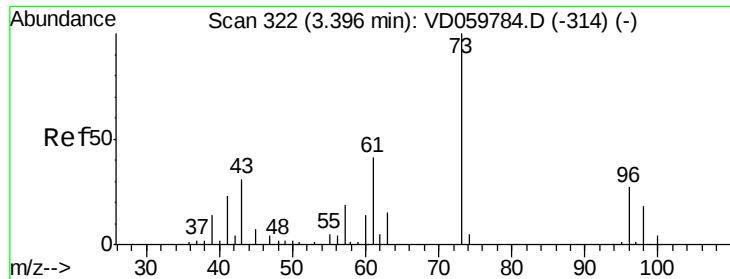
Tot Ion: 76 Resp: 79038
Ion Ratio Lower Upper
76 100
78 9.0 6.9 10.3



#18
Methyl Acetate
Concen: 17.22 ug/l
RT: 2.94 min Scan# 276
Delta R.T. 0.02 min
Lab File: VD059790.D
Acq: 15 Aug 2018 4:37

Tgt Ion: 43 Resp: 21055
Ion Ratio Lower Upper
43 100
74 16.8 12.4 18.6

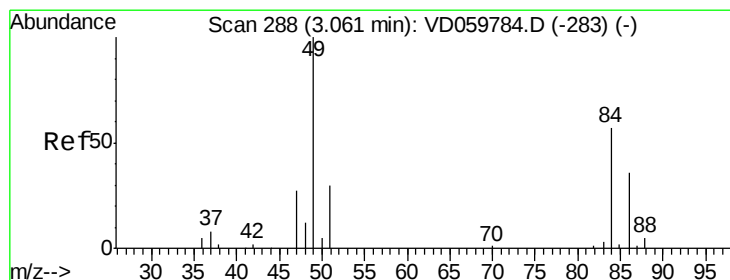
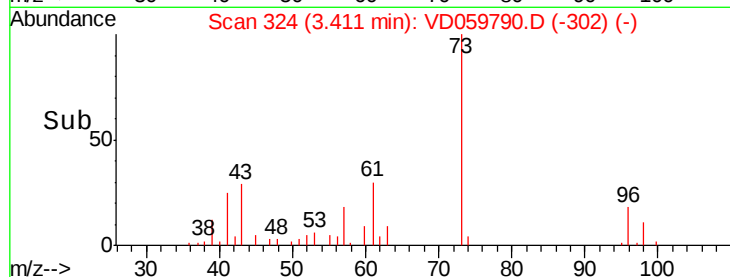
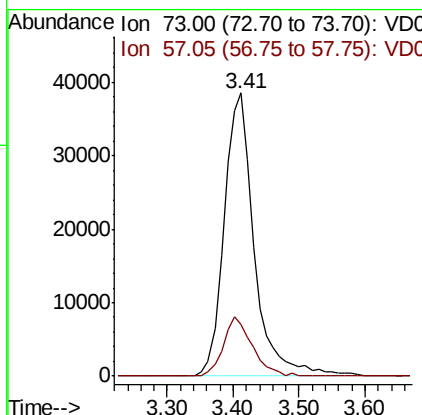
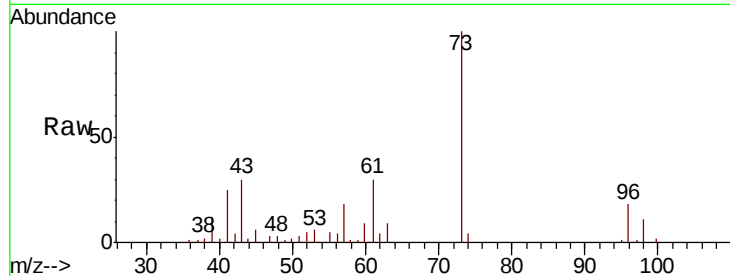




#19
Methvl tert-butvl Ether
Concen: 19.70 ug/l
RT: 3.41 min Scan# 324
Delta R.T. 0.02 min
Lab File: VD059790.D
Acq: 15 Aug 2018 4:37

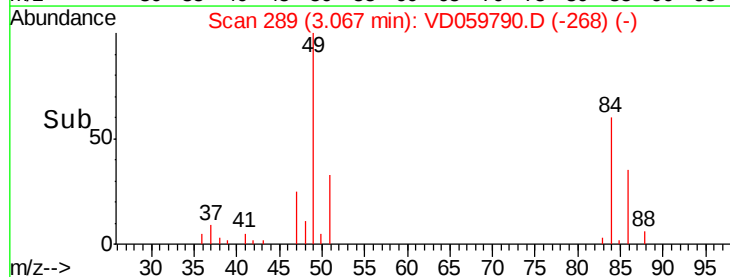
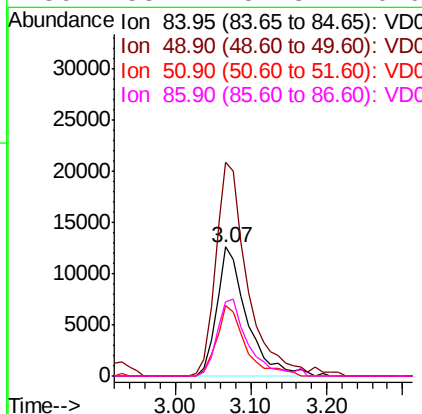
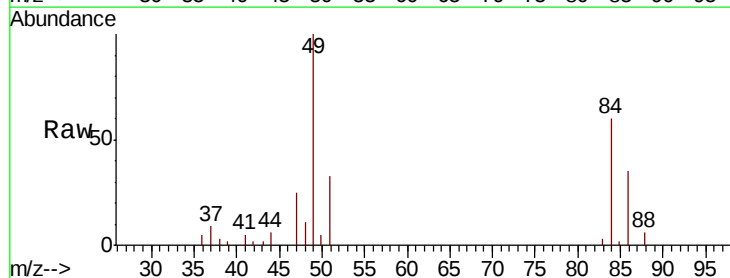
Instrument :
MSVOA_D
ClientSampleId :
VD0815SBS01

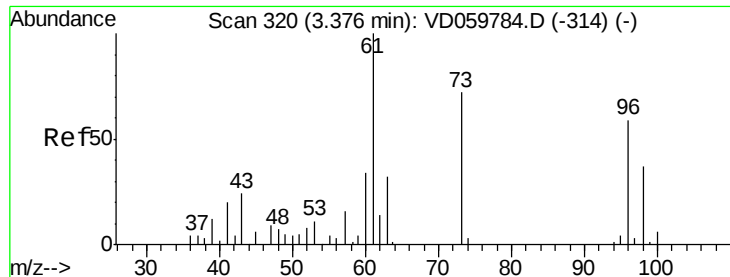
Tot Ion: 73 Resp: 122374
Ion Ratio Lower Upper
73 100
57 18.3 14.8 22.2



#20
Methylene Chloride
Concen: 20.68 ug/l
RT: 3.07 min Scan# 289
Delta R.T. 0.01 min
Lab File: VD059790.D
Acq: 15 Aug 2018 4:37

Tgt Ion: 84 Resp: 34865
Ion Ratio Lower Upper
84 100
49 165.8 140.9 211.3
51 54.7 42.8 64.2
86 58.1 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 19.95 ug/l

RT: 3.38 min Scan# 321

Delta R.T. 0.01 min

Lab File: VD059790.D

Acq: 15 Aug 2018 4:37

Instrument :

MSVOA_D

ClientSampleId :

VD0815SBS01

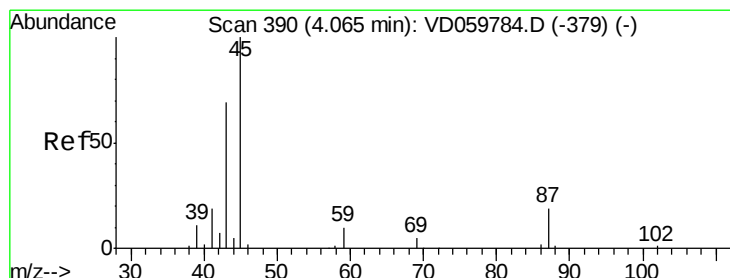
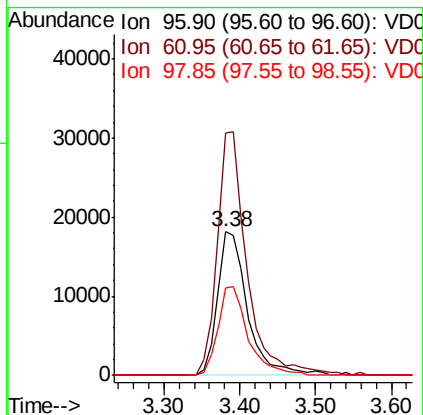
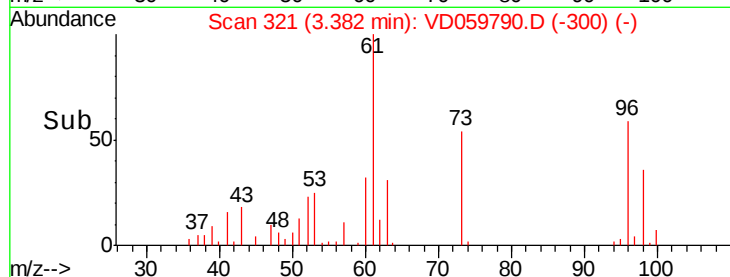
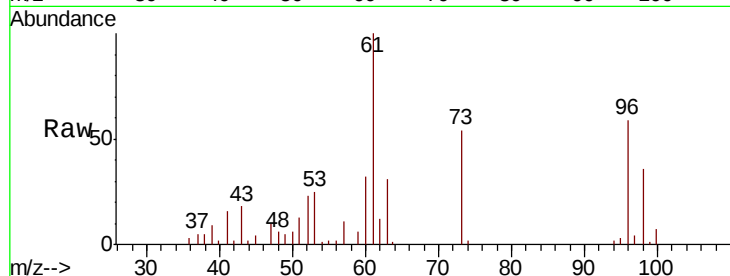
Tot Ion: 96 Resp: 50035

Ion Ratio Lower Upper

96 100

61 169.2 134.8 202.2

98 60.9 50.0 75.0



#22

Diisopropyl ether

Concen: 19.34 ug/l

RT: 4.07 min Scan# 391

Delta R.T. 0.01 min

Lab File: VD059790.D

Acq: 15 Aug 2018 4:37

Tgt Ion: 45 Resp: 166853

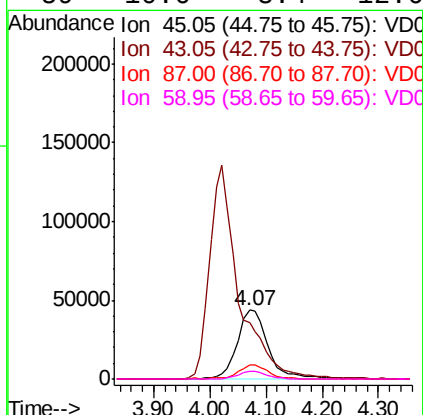
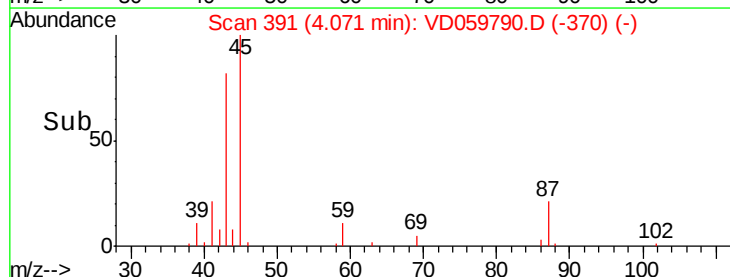
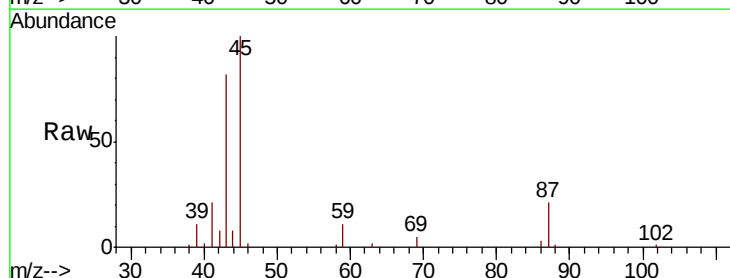
Ion Ratio Lower Upper

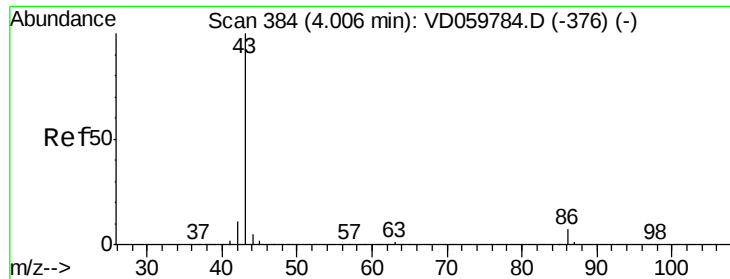
45 100

43 81.9 57.5 86.3

87 20.9 16.1 24.1

59 10.6 8.4 12.6

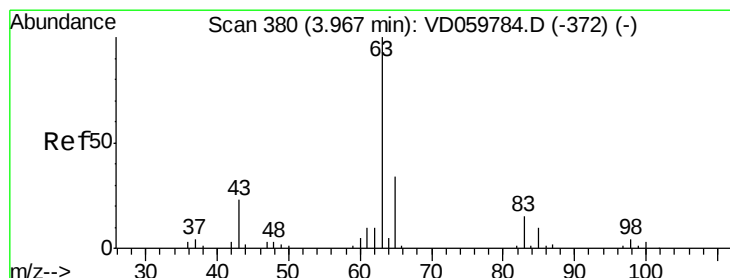
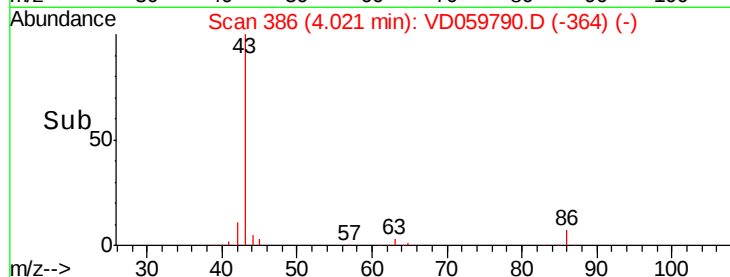
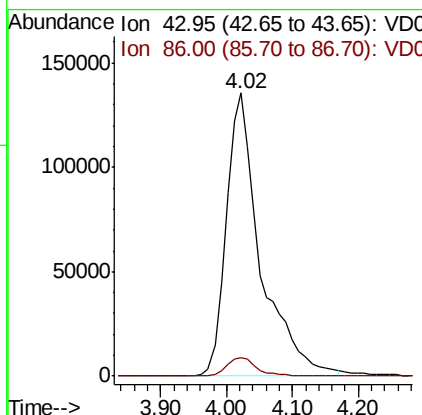
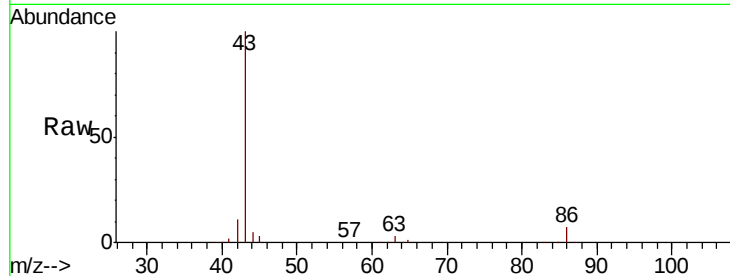




#23
 Vinyl Acetate
 Concen: 100.85 ug/l
 RT: 4.02 min Scan# 386
 Delta R.T. 0.02 min
 Lab File: VD059790.D
 Acq: 15 Aug 2018 4:37

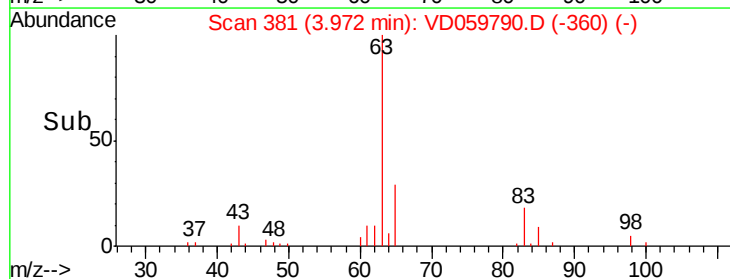
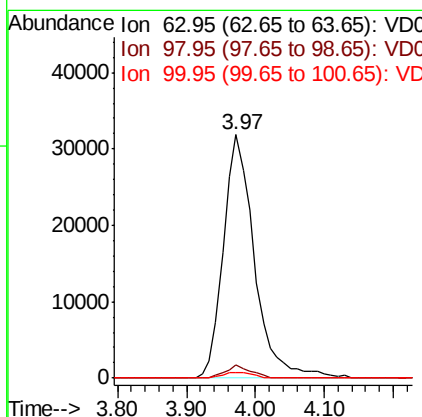
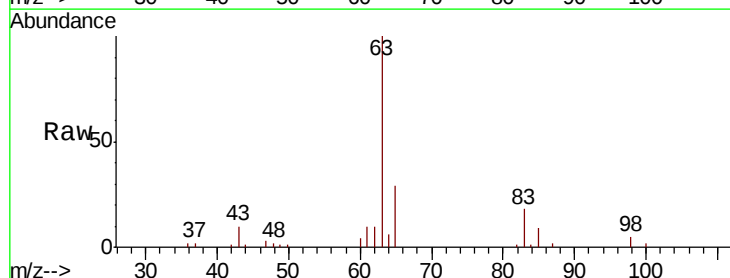
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0815SBS01

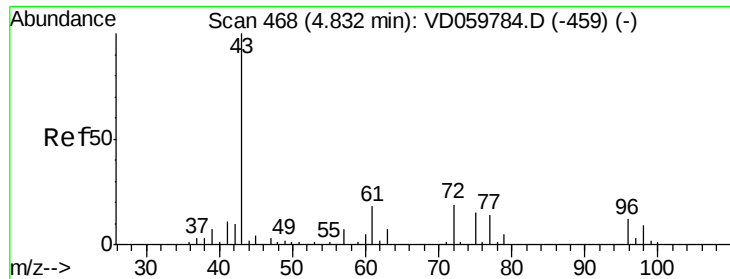
Tot Ion: 43 Resp: 492763
 Ion Ratio Lower Upper
 43 100
 86 6.6 5.4 8.0



#24
 1,1-Dichloroethane
 Concen: 19.46 ug/l
 RT: 3.97 min Scan# 381
 Delta R.T. 0.01 min
 Lab File: VD059790.D
 Acq: 15 Aug 2018 4:37

Tgt Ion: 63 Resp: 99597
 Ion Ratio Lower Upper
 63 100
 98 5.3 2.2 6.6
 100 2.5 1.6 4.7





#25

2-Butanone

Concen: 85.32 ug/l

RT: 4.84 min Scan# 469

Delta R.T. 0.01 min

Lab File: VD059790.D

Acq: 15 Aug 2018 4:37

Instrument :

MSVOA_D

ClientSampleId :

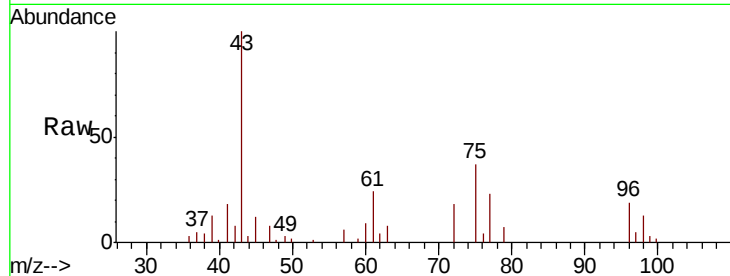
VD0815SBS01

Tot Ion: 43 Resp: 74692

Ion Ratio Lower Upper

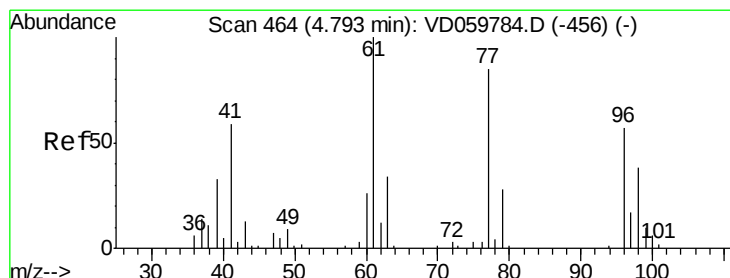
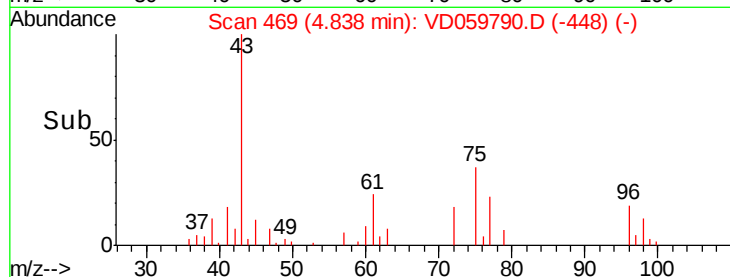
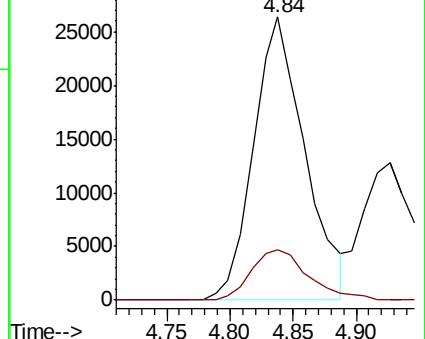
43 100

72 17.7 14.9 22.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 18.18 ug/l

RT: 4.80 min Scan# 465

Delta R.T. 0.01 min

Lab File: VD059790.D

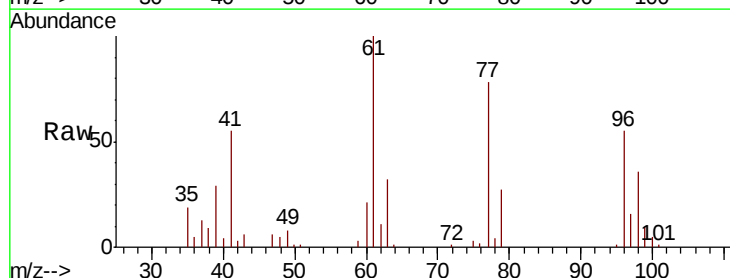
Acq: 15 Aug 2018 4:37

Tgt Ion: 77 Resp: 85101

Ion Ratio Lower Upper

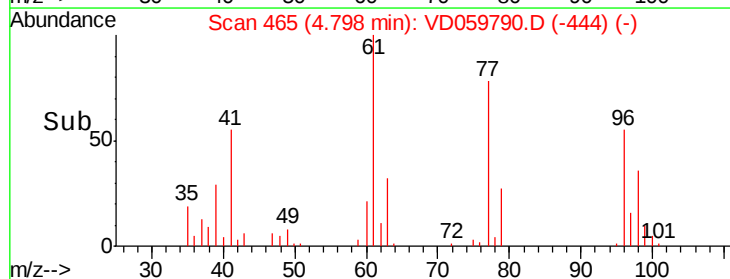
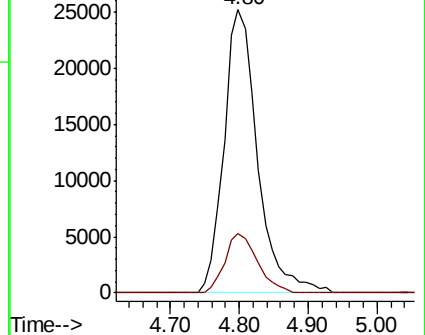
77 100

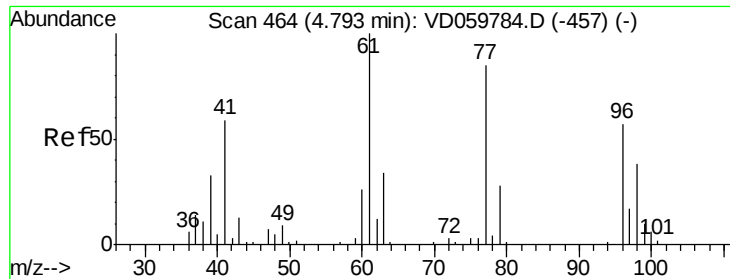
97 21.1 10.3 30.8



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



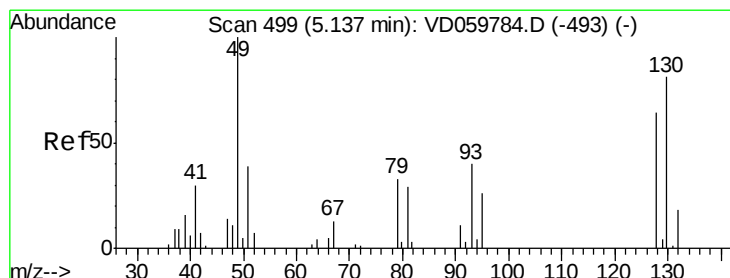
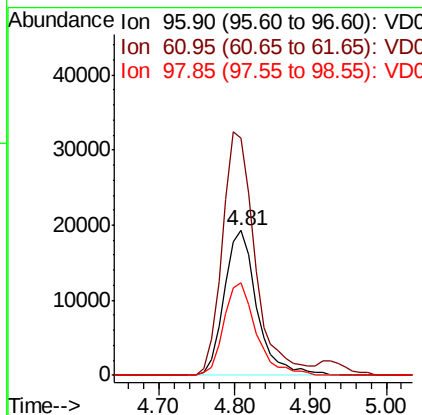
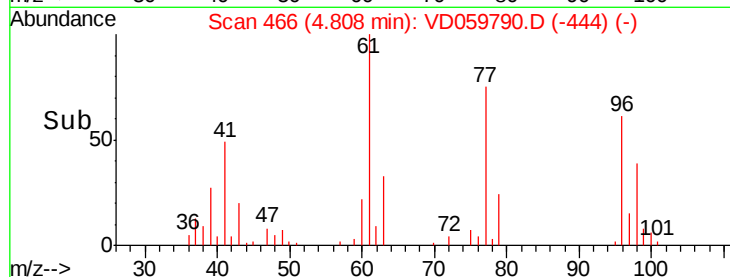
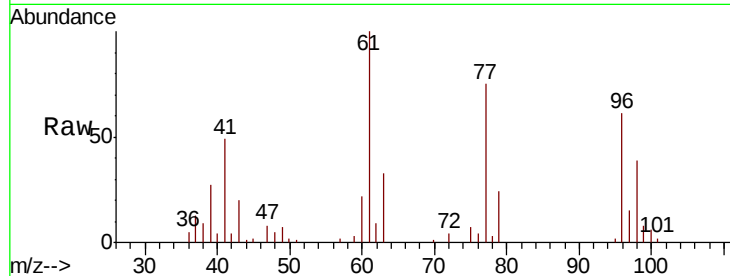


#27

cis-1,2-Dichloroethene
 Concen: 20.86 ug/l
 RT: 4.81 min Scan# 466
 Delta R.T. 0.02 min
 Lab File: VD059790.D
 Acq: 15 Aug 2018 4:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0815SBS01

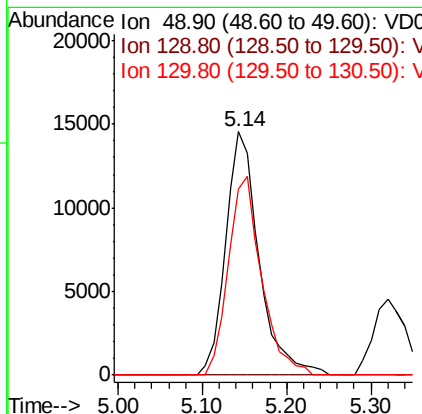
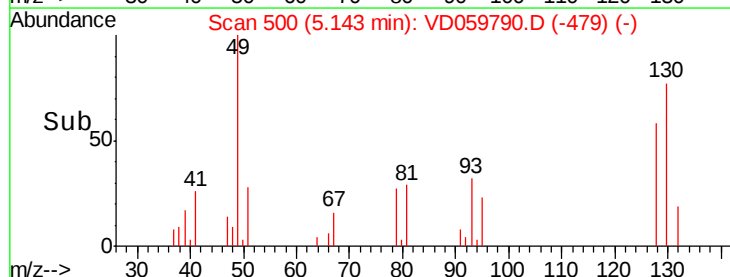
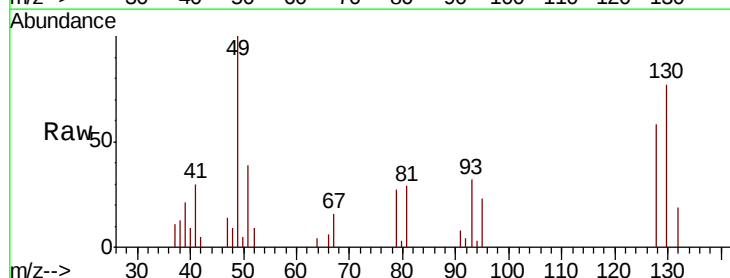
Tot Ion: 96 Resp: 57310
 Ion Ratio Lower Upper
 96 100
 61 163.8 0.0 351.6
 98 63.9 0.0 135.2

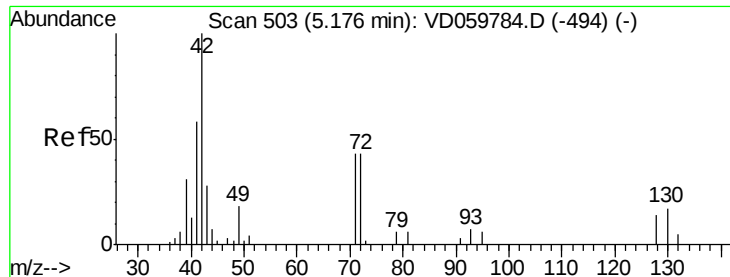


#28

Bromochloromethane
 Concen: 19.94 ug/l
 RT: 5.14 min Scan# 500
 Delta R.T. 0.01 min
 Lab File: VD059790.D
 Acq: 15 Aug 2018 4:37

Tgt Ion: 49 Resp: 40038
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 7.0
 130 76.5 64.8 97.2





#29

Tetrahydrofuran

Concen: 101.49 ug/l

RT: 5.18 min Scan# 504

Delta R.T. 0.01 min

Lab File: VD059790.D

Acq: 15 Aug 2018 4:37

Instrument :

MSVOA_D

ClientSampleId :

VD0815SBS01

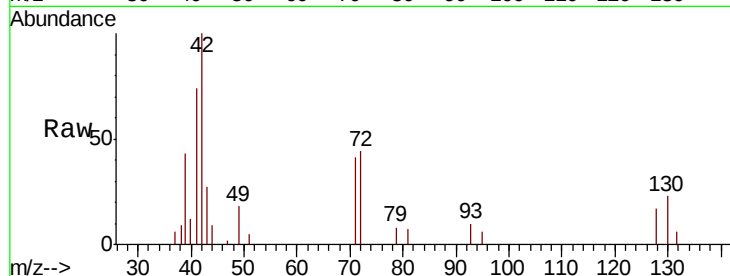
Tot Ion: 42 Resp: 37905

Ion Ratio Lower Upper

42 100

72 45.6 34.3 51.5

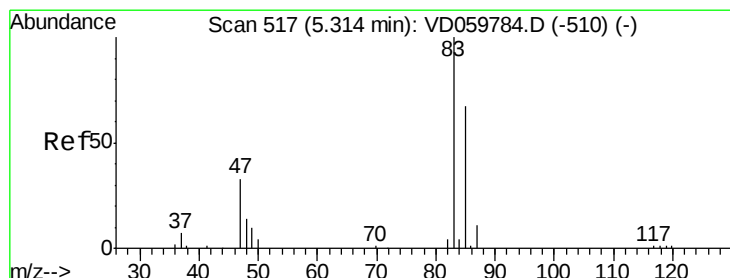
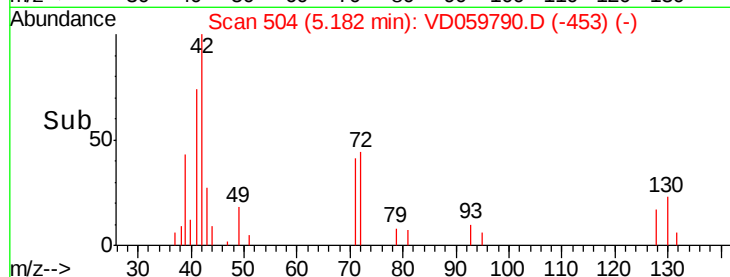
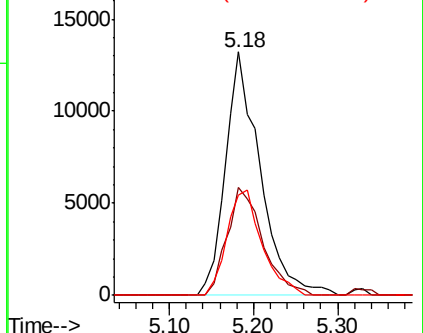
71 43.8 33.0 49.6



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 19.34 ug/l

RT: 5.32 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD059790.D

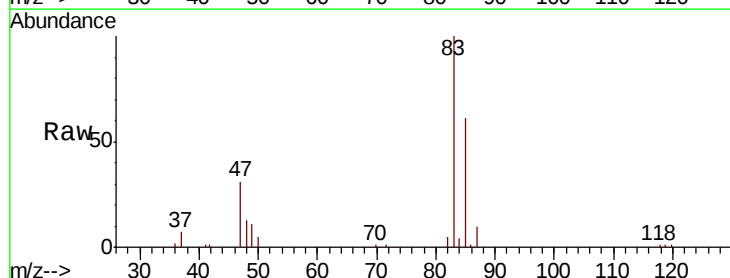
Acq: 15 Aug 2018 4:37

Tgt Ion: 83 Resp: 118833

Ion Ratio Lower Upper

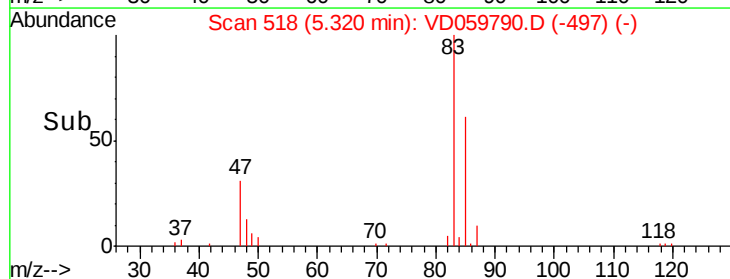
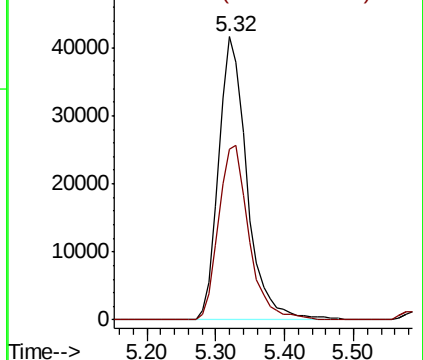
83 100

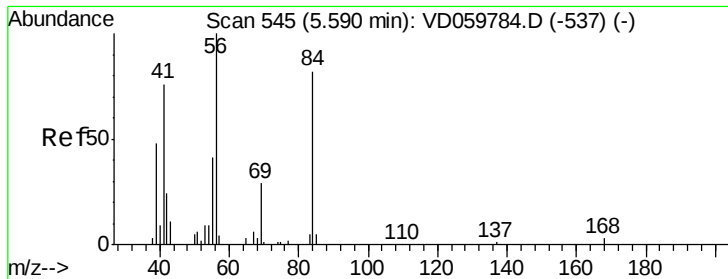
85 60.5 53.4 80.2



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 19.06 ug/l

RT: 5.59 min Scan# 545

Delta R.T. -0.00 min

Lab File: VD059790.D

Acq: 15 Aug 2018 4:37

Instrument :

MSVOA_D

ClientSampleId :

VD0815SBS01

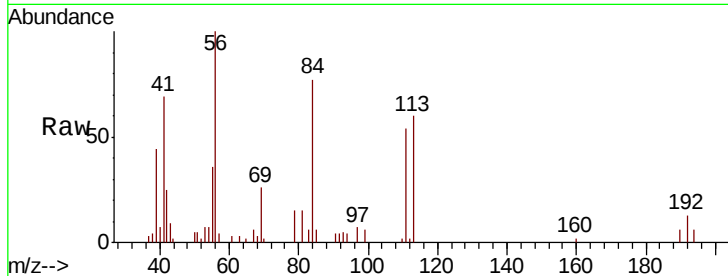
Tot Ion: 56 Resp: 70150

Ion Ratio Lower Upper

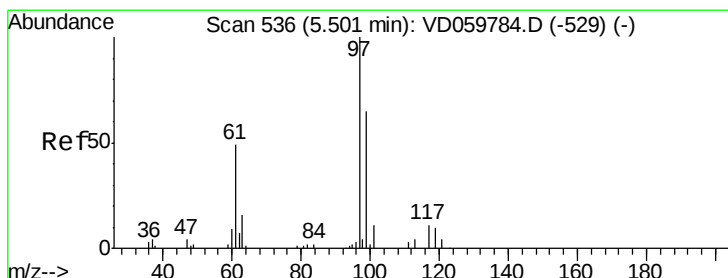
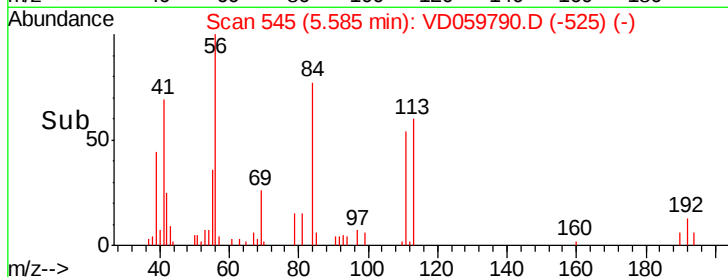
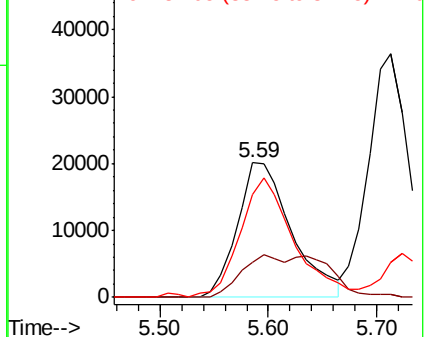
56 100

69 26.1 23.4 35.2

84 76.7 65.4 98.2



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



#32

1,1,1-Trichloroethane

Concen: 19.24 ug/l

RT: 5.52 min Scan# 538

Delta R.T. 0.02 min

Lab File: VD059790.D

Acq: 15 Aug 2018 4:37

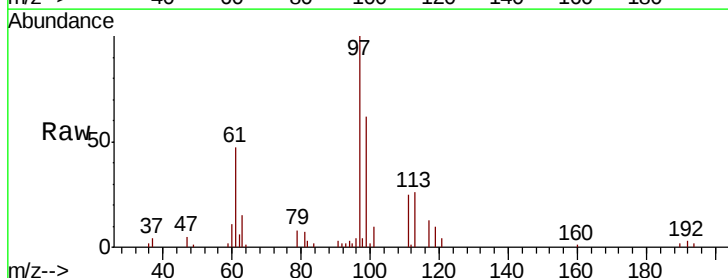
Tgt Ion: 97 Resp: 103956

Ion Ratio Lower Upper

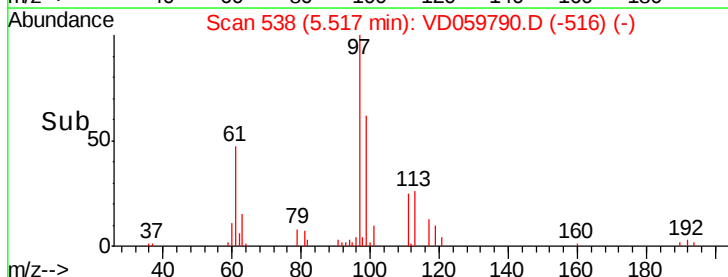
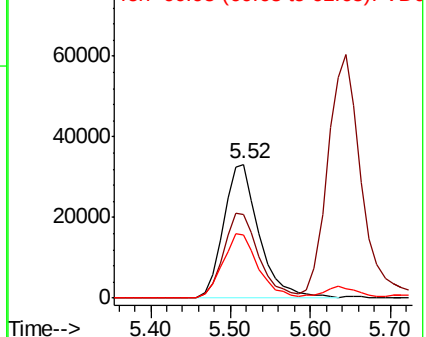
97 100

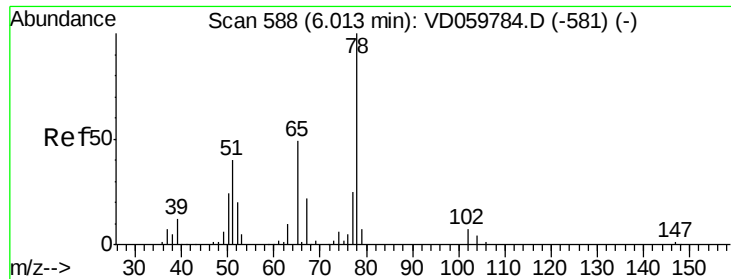
99 61.9 52.2 78.2

61 47.0 39.6 59.4



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





#33

1,2-Dichloroethane-d4

Concen: 19.24 ug/l

RT: 6.02 min Scan# 589

Delta R.T. 0.01 min

Lab File: VD059790.D

Acq: 15 Aug 2018 4:37

Instrument :

MSVOA_D

ClientSampleId :

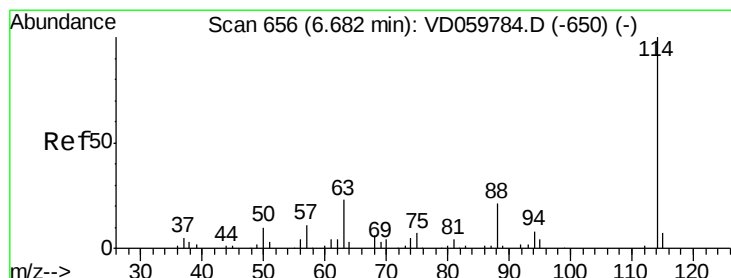
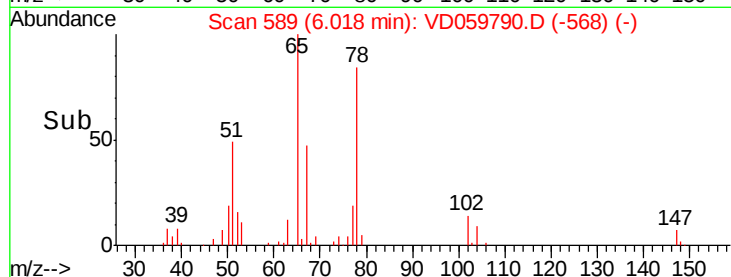
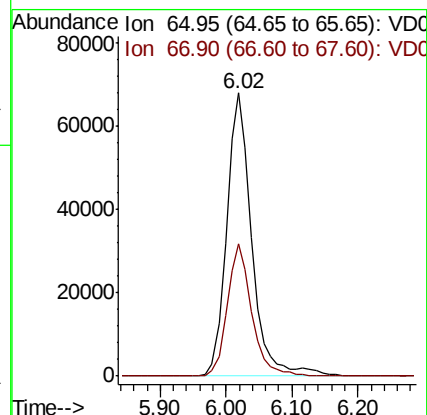
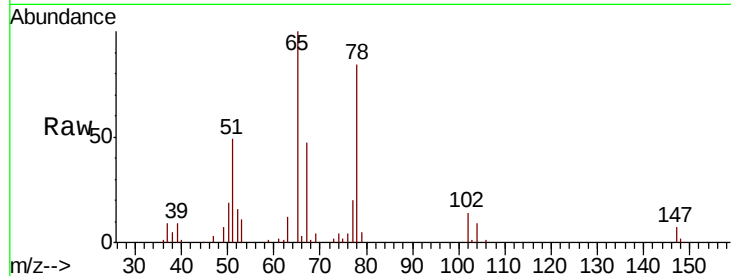
VD0815SBS01

Tot Ion: 65 Resp: 180083

Ion Ratio Lower Upper

65 100

67 46.6 0.0 87.8



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.69 min Scan# 657

Delta R.T. 0.01 min

Lab File: VD059790.D

Acq: 15 Aug 2018 4:37

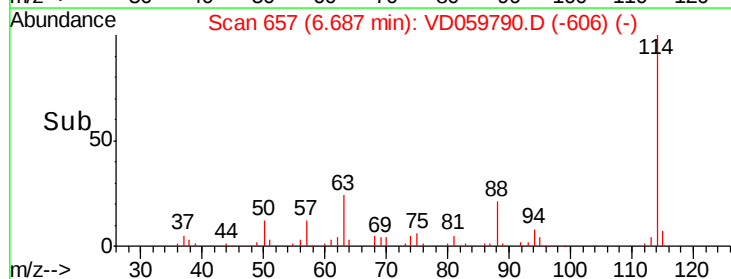
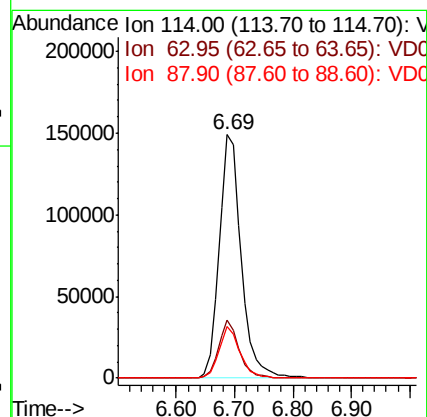
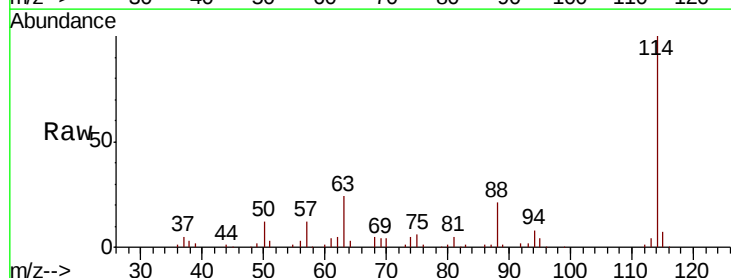
Tgt Ion: 114 Resp: 389242

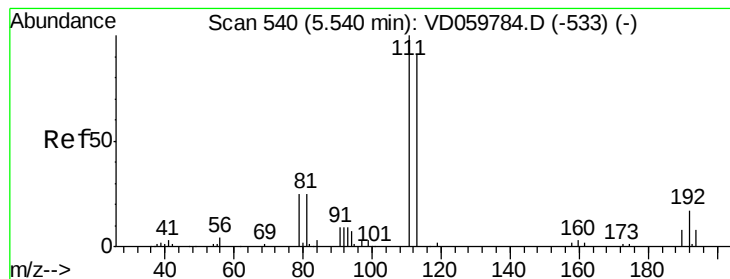
Ion Ratio Lower Upper

114 100

63 23.9 0.0 45.0

88 21.3 0.0 41.2





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.55 min Scan# 541

Delta R.T. 0.01 min

Lab File: VD059790.D

Acq: 15 Aug 2018 4:37

Instrument :

MSVOA_D

ClientSampleId :

VD0815SBSD01

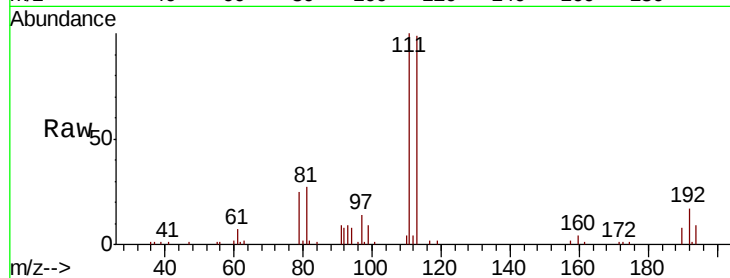
Tot Ion:113 Resp: 167573

Ion Ratio Lower Upper

113 100

111 100.7 87.7 131.5

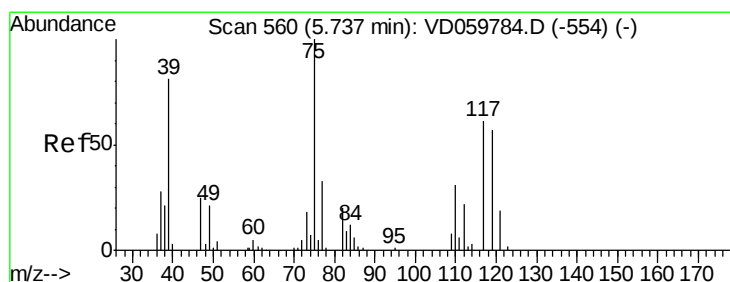
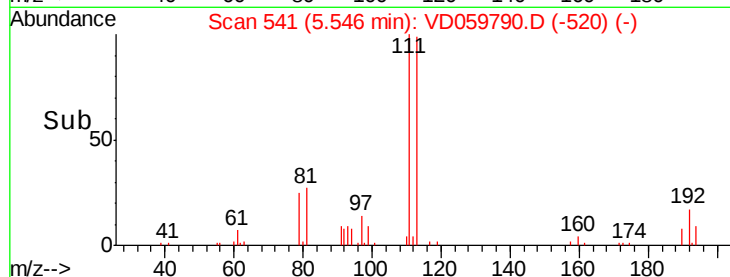
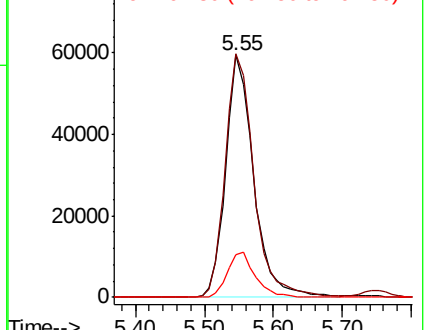
192 17.4 14.6 21.8



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: 19.17 ug/l

RT: 5.74 min Scan# 561

Delta R.T. 0.01 min

Lab File: VD059790.D

Acq: 15 Aug 2018 4:37

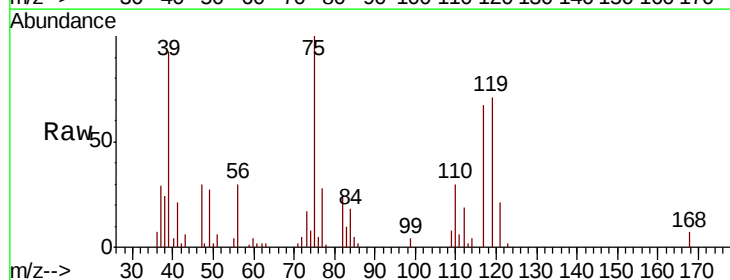
Tgt Ion: 75 Resp: 76571

Ion Ratio Lower Upper

75 100

110 29.7 15.3 45.8

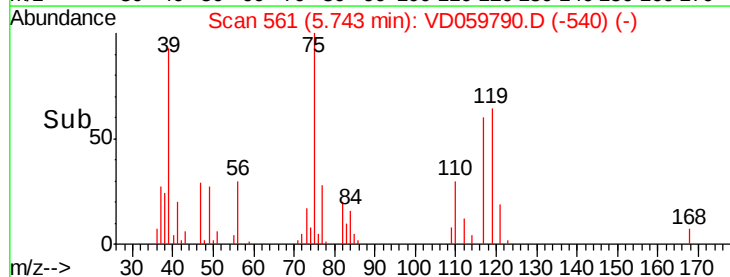
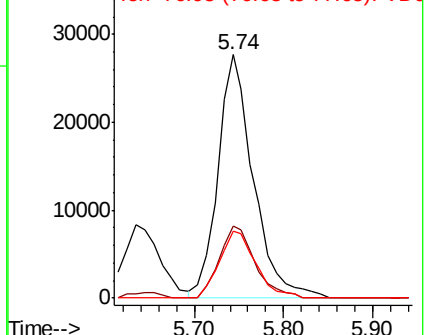
77 27.8 26.2 39.4

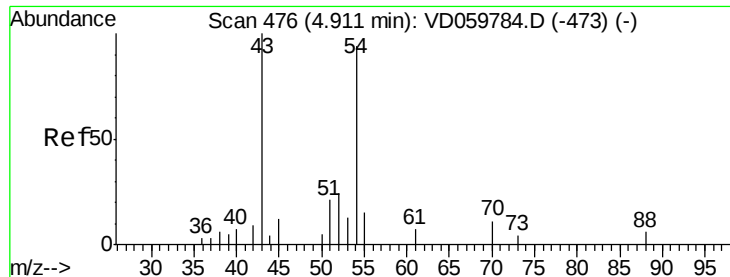


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 20.01 ug/l

RT: 4.93 min Scan# 478

Delta R.T. 0.02 min

Lab File: VD059790.D

Acq: 15 Aug 2018 4:37

Instrument :

MSVOA_D

ClientSampleId :

VD0815SBS01

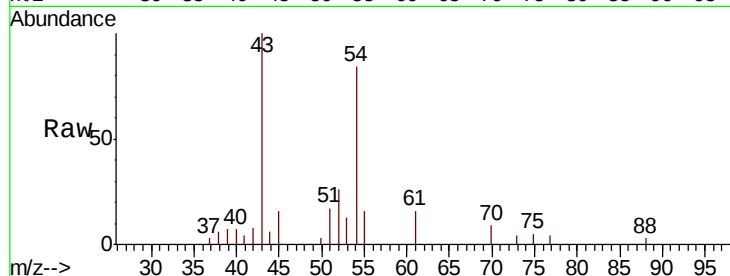
Tot Ion: 43 Resp: 39964

Ion Ratio Lower Upper

43 100

61 15.6 10.2 15.2#

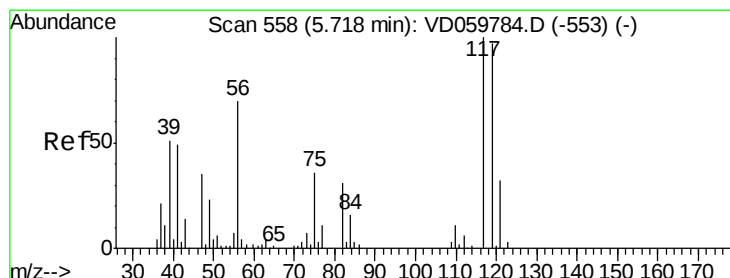
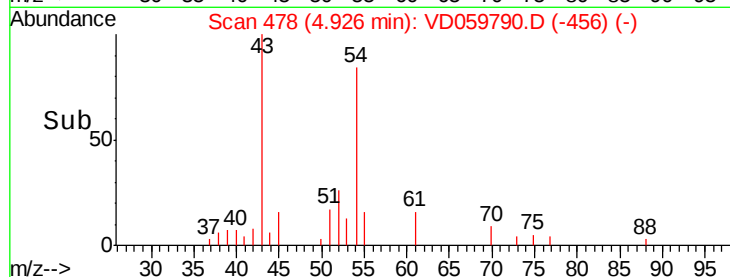
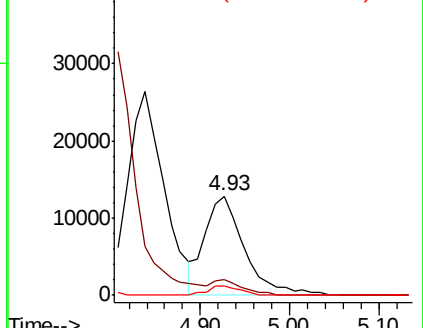
70 9.2 5.8 8.8#



Abundance Ion 42.95 (42.65 to 43.65): VD059784.D (-473) (-)

Ion 60.95 (60.65 to 61.65): VD059784.D (-473) (-)

Ion 70.00 (69.70 to 70.70): VD059784.D (-473) (-)



#38

Carbon Tetrachloride

Concen: 18.78 ug/l

RT: 5.72 min Scan# 559

Delta R.T. 0.01 min

Lab File: VD059790.D

Acq: 15 Aug 2018 4:37

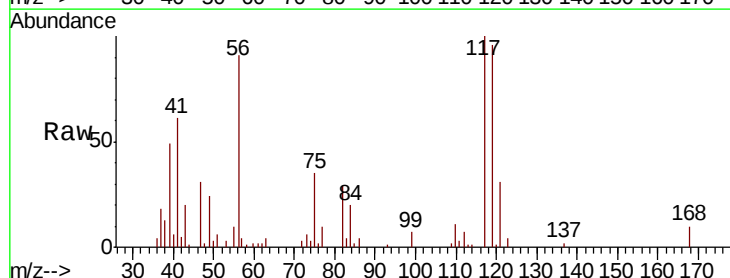
Tgt Ion: 117 Resp: 90506

Ion Ratio Lower Upper

117 100

119 96.4 75.7 113.5

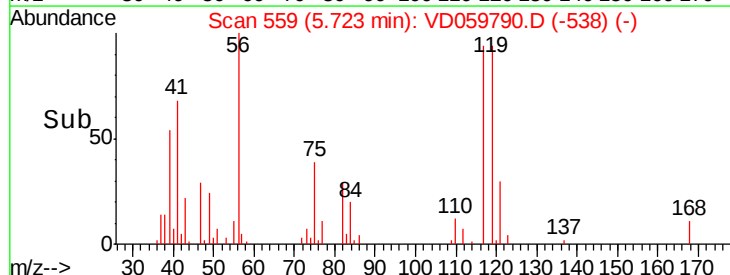
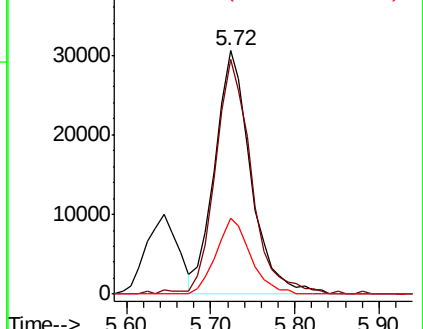
121 31.0 24.7 37.1

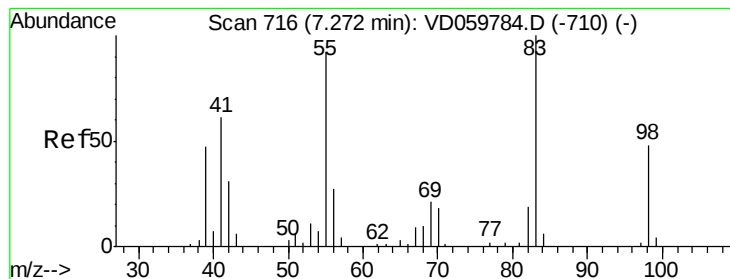


Abundance Ion 116.85 (116.55 to 117.55): VD059784.D (-553) (-)

Ion 118.85 (118.55 to 119.55): VD059784.D (-553) (-)

Ion 120.85 (120.55 to 121.55): VD059784.D (-553) (-)





#39

Methylcyclohexane

Concen: 18.95 ug/l

RT: 7.29 min Scan# 718

Delta R.T. 0.02 min

Lab File: VD059790.D

Acq: 15 Aug 2018 4:37

Instrument :

MSVOA_D

ClientSampleId :

VD0815SBS01

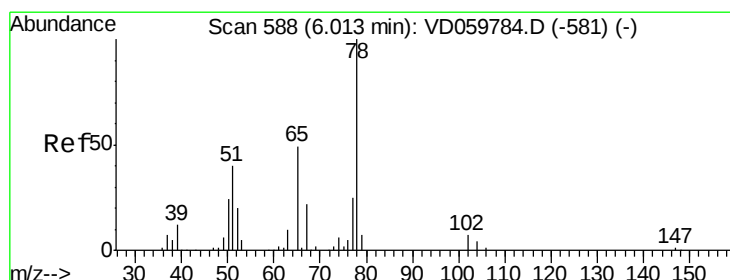
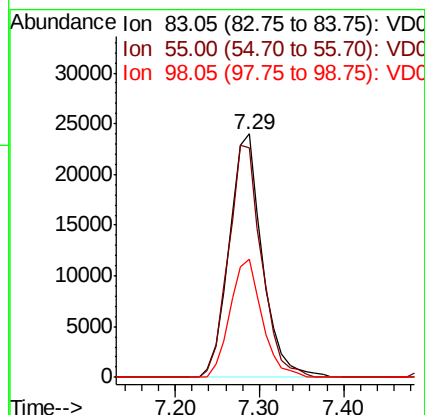
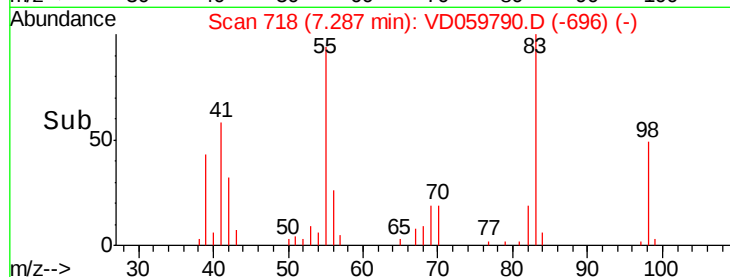
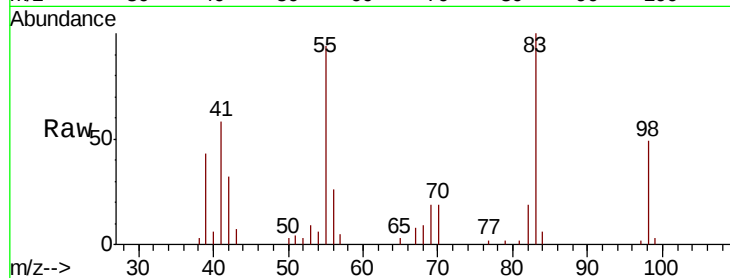
Tot Ion: 83 Resp: 65450

Ion Ratio Lower Upper

83 100

55 94.3 73.8 110.6

98 48.5 38.4 57.6



#40

Benzene

Concen: 19.27 ug/l

RT: 6.02 min Scan# 589

Delta R.T. 0.01 min

Lab File: VD059790.D

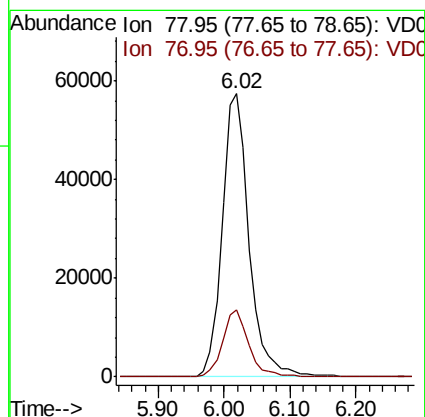
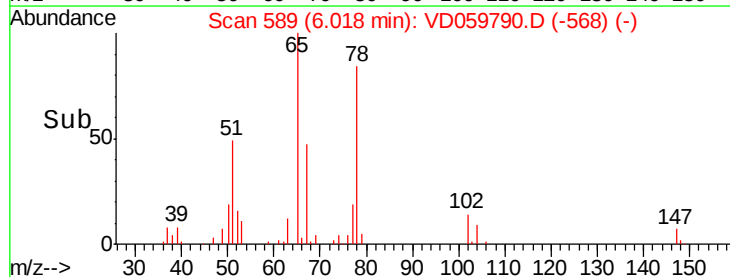
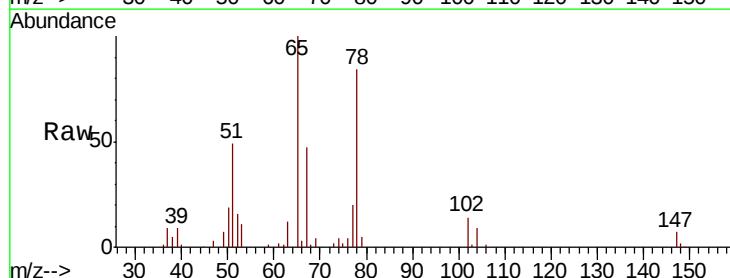
Acq: 15 Aug 2018 4:37

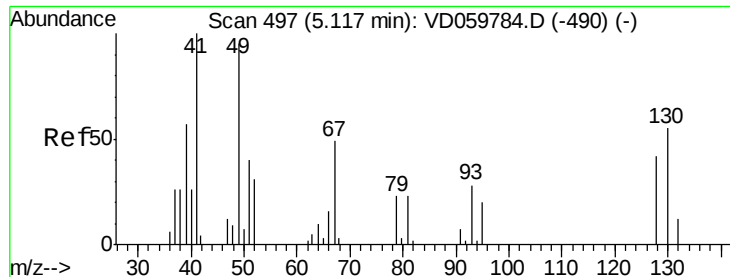
Tgt Ion: 78 Resp: 163218

Ion Ratio Lower Upper

78 100

77 23.7 19.6 29.4





#41

Methacrylonitrile

Concen: 20.34 ug/l

RT: 5.12 min Scan# 498

Delta R.T. 0.01 min

Lab File: VD059790.D

Acq: 15 Aug 2018 4:37

Instrument :

MSVOA_D

ClientSampleId :

VD0815SBS01

Tot Ion: 41 Resp: 19440

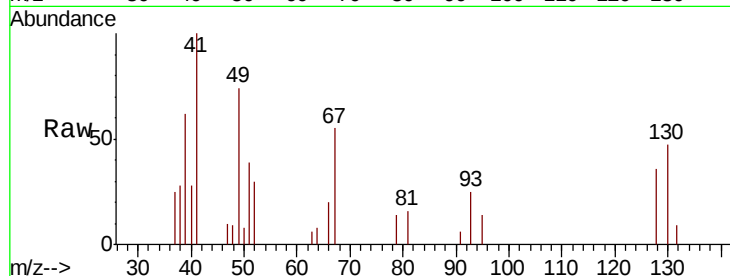
Ion Ratio Lower Upper

41 100

39 61.9 45.4 68.2

67 54.7 39.5 59.3

52 29.7 24.8 37.2

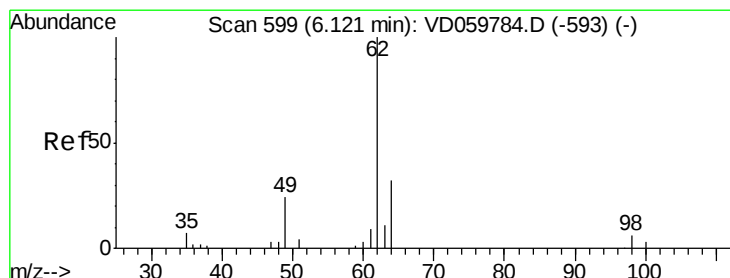
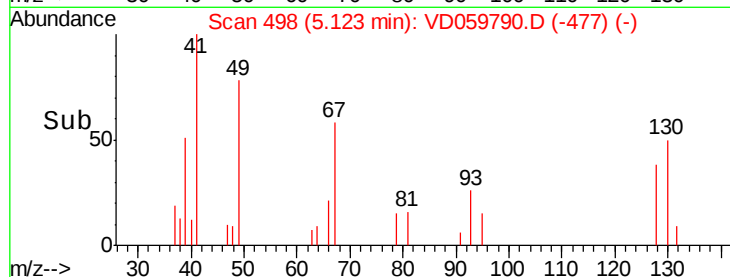
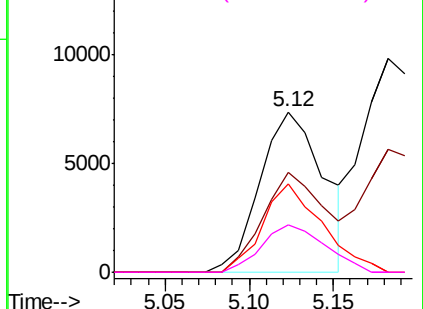


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 19.05 ug/l

RT: 6.13 min Scan# 600

Delta R.T. 0.01 min

Lab File: VD059790.D

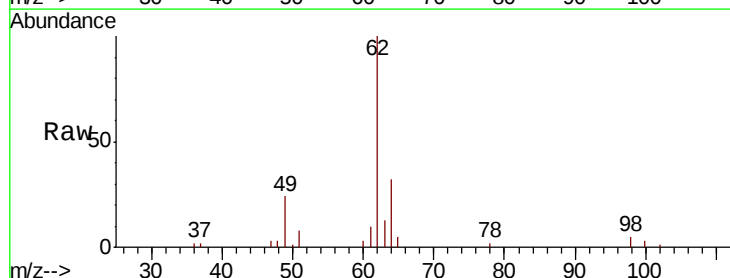
Acq: 15 Aug 2018 4:37

Tgt Ion: 62 Resp: 87334

Ion Ratio Lower Upper

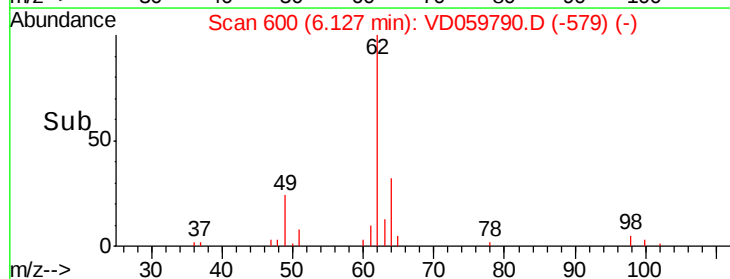
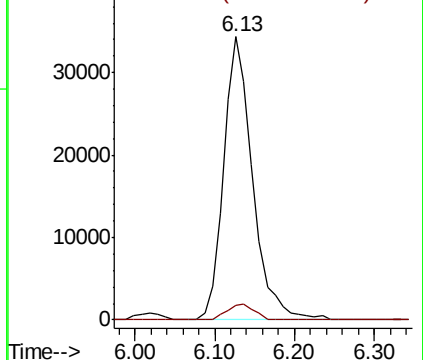
62 100

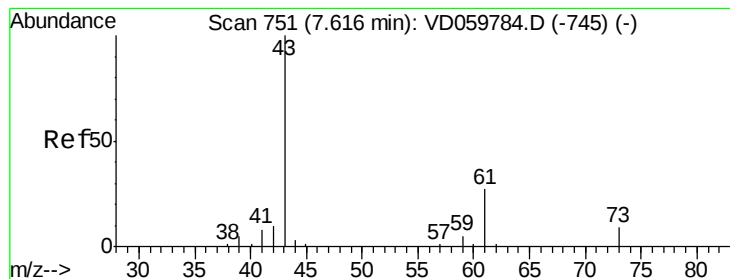
98 5.3 0.0 12.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



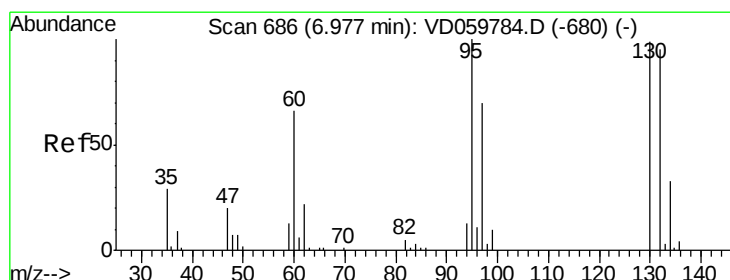
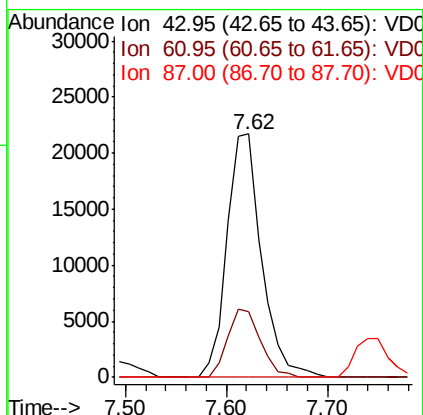
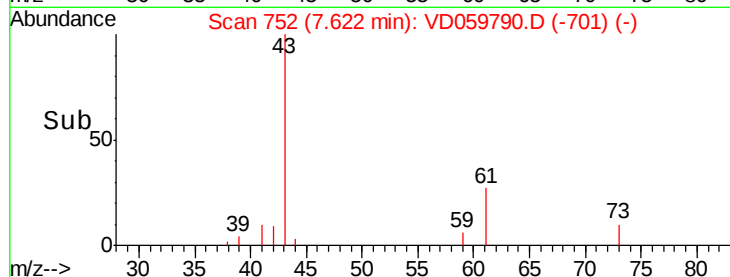
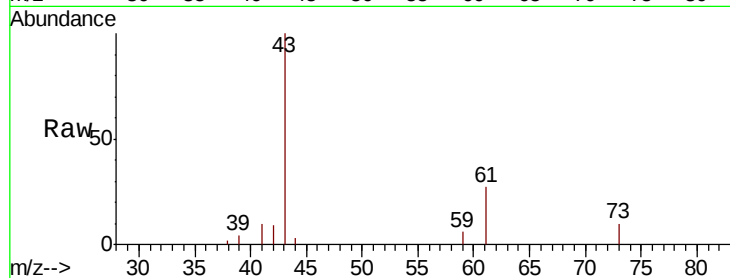


#43

Isopropyl Acetate
 Concen: 20.46 ug/l
 RT: 7.62 min Scan# 752
 Delta R.T. 0.01 min
 Lab File: VD059790.D
 Acq: 15 Aug 2018 4:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0815SBS01

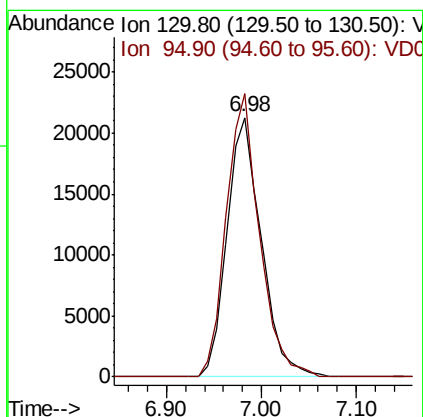
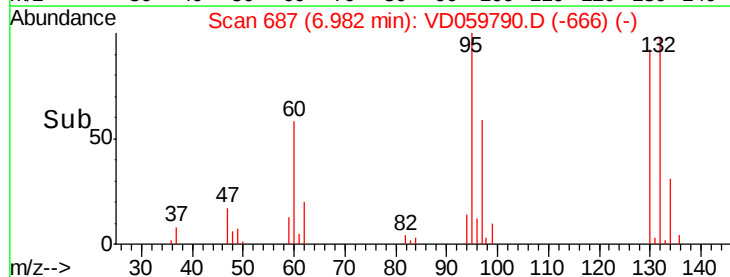
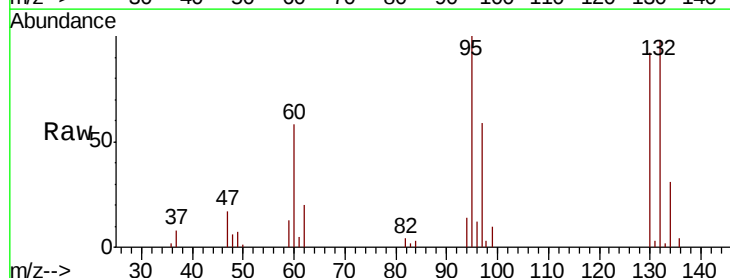
Tot Ion: 43 Resp: 51605
 Ion Ratio Lower Upper
 43 100
 61 26.8 21.2 31.8
 87 0.0 0.0 0.0

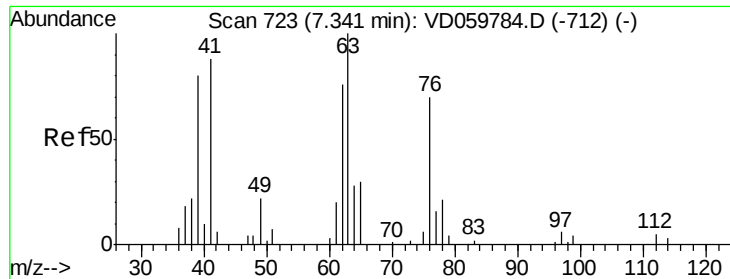


#44

Trichloroethene
 Concen: 18.38 ug/l
 RT: 6.98 min Scan# 687
 Delta R.T. 0.01 min
 Lab File: VD059790.D
 Acq: 15 Aug 2018 4:37

Tgt Ion: 130 Resp: 53310
 Ion Ratio Lower Upper
 130 100
 95 109.2 0.0 201.2





#45

1,2-Dichloropropane

Concen: 19.86 ug/l

RT: 7.35 min Scan# 724

Delta R.T. 0.01 min

Lab File: VD059790.D

Acq: 15 Aug 2018 4:37

Instrument :

MSVOA_D

ClientSampleId :

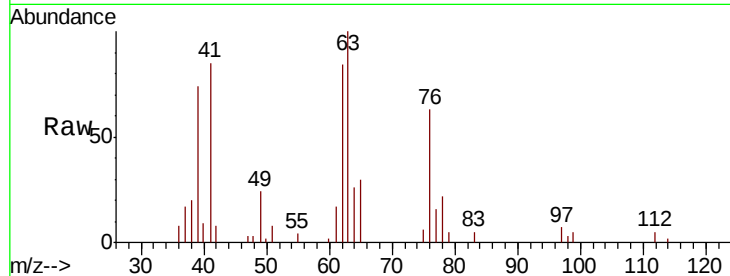
VD0815SBS01

Tot Ion: 63 Resp: 43730

Ion Ratio Lower Upper

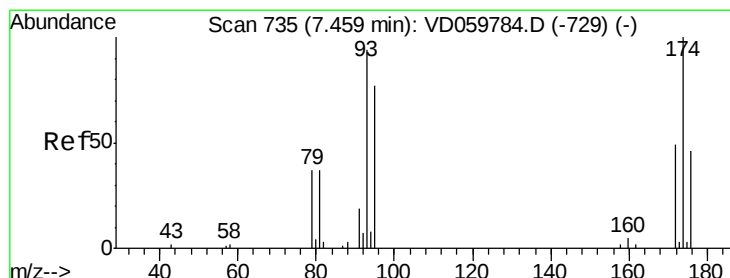
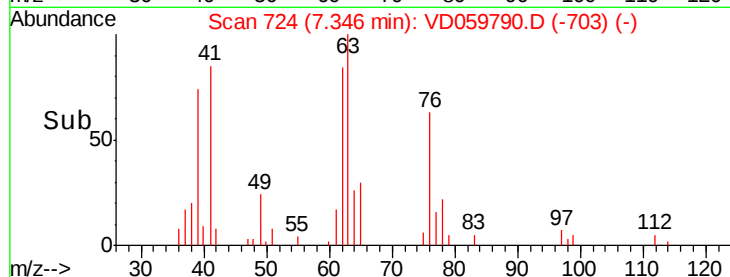
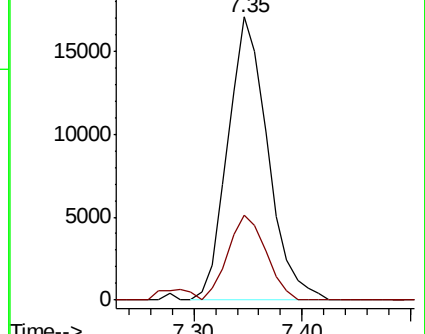
63 100

65 30.0 24.2 36.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 18.69 ug/l

RT: 7.46 min Scan# 736

Delta R.T. 0.01 min

Lab File: VD059790.D

Acq: 15 Aug 2018 4:37

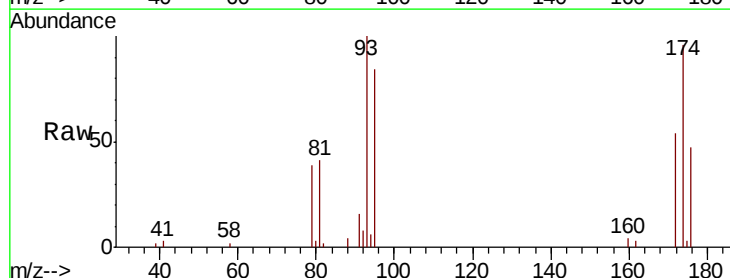
Tgt Ion: 93 Resp: 33652

Ion Ratio Lower Upper

93 100

95 83.6 66.2 99.4

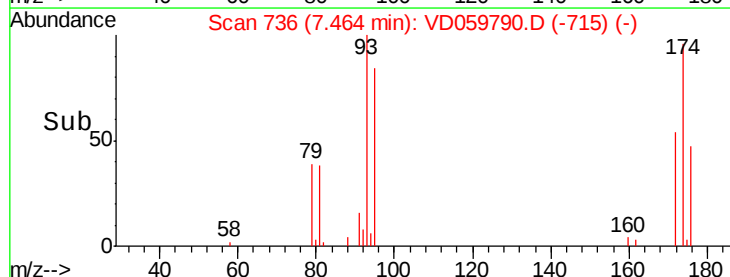
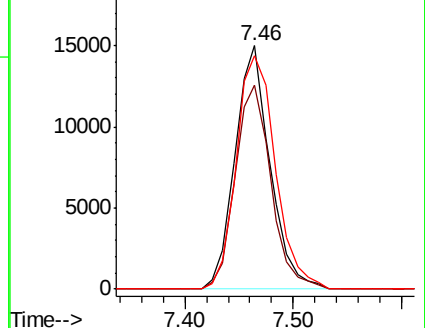
174 95.6 85.5 128.3

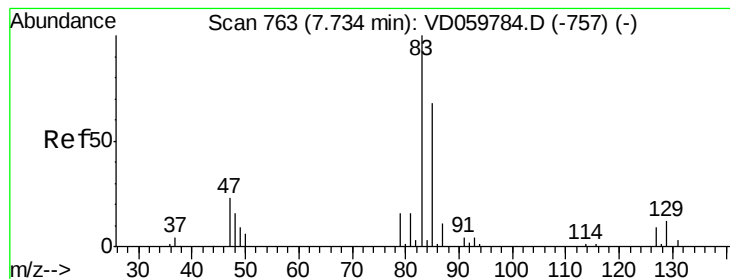


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 19.08 ug/l

RT: 7.74 min Scan# 764

Delta R.T. 0.01 min

Lab File: VD059790.D

Acq: 15 Aug 2018 4:37

Instrument :

MSVOA_D

ClientSampleId :

VD0815SBSD01

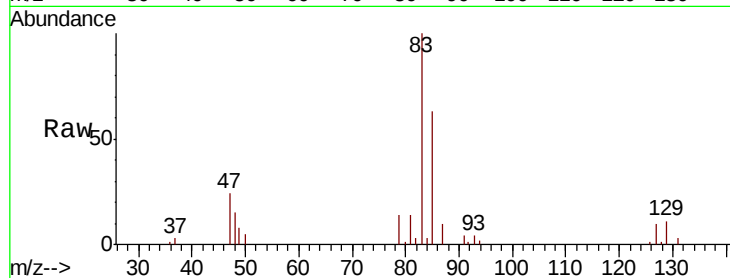
Tot Ion: 83 Resp: 84204

Ion Ratio Lower Upper

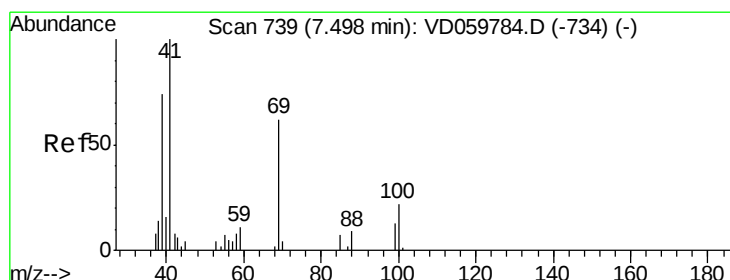
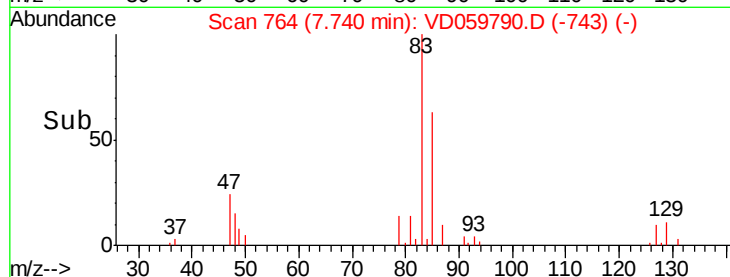
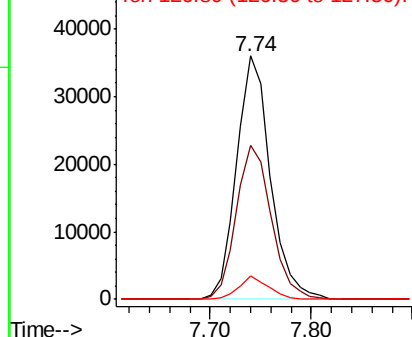
83 100

85 63.2 54.1 81.1

127 9.6 7.5 11.3



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: 19.87 ug/l

RT: 7.50 min Scan# 740

Delta R.T. 0.01 min

Lab File: VD059790.D

Acq: 15 Aug 2018 4:37

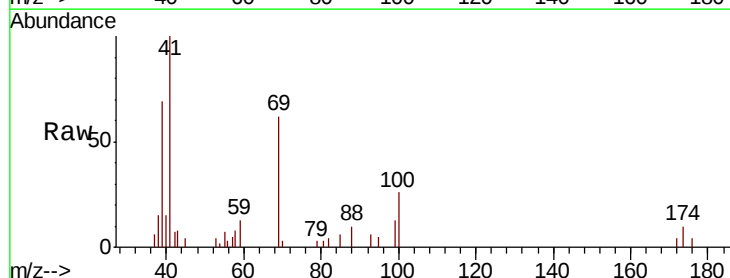
Tgt Ion: 41 Resp: 32706

Ion Ratio Lower Upper

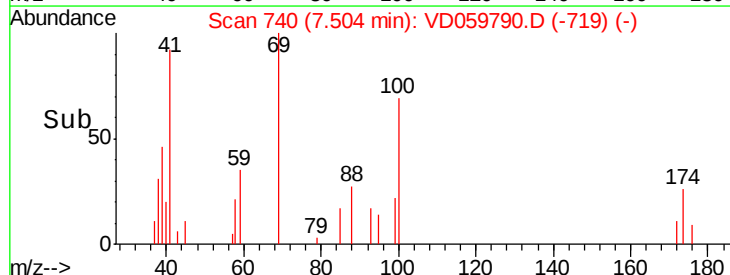
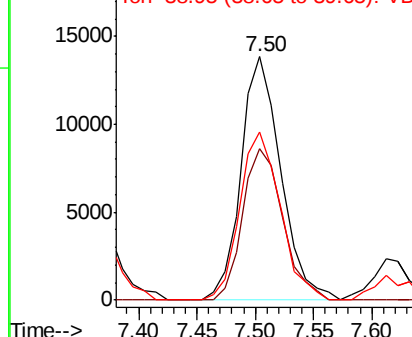
41 100

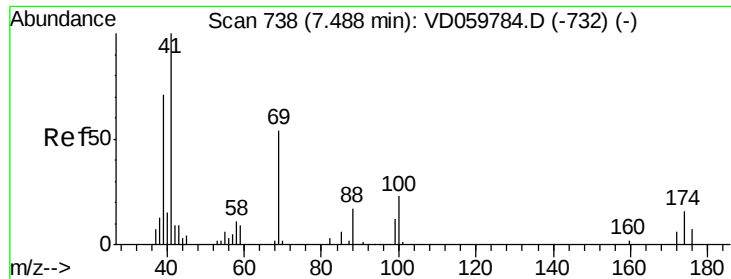
69 62.1 49.8 74.8

39 69.0 59.0 88.4



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

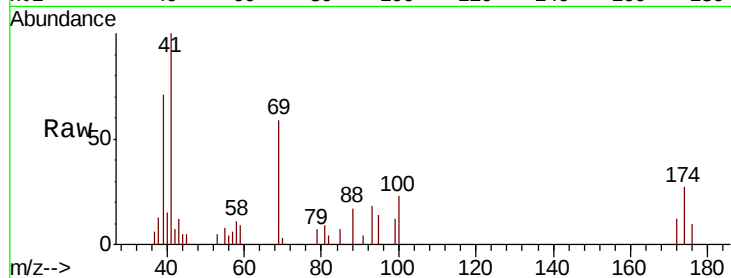




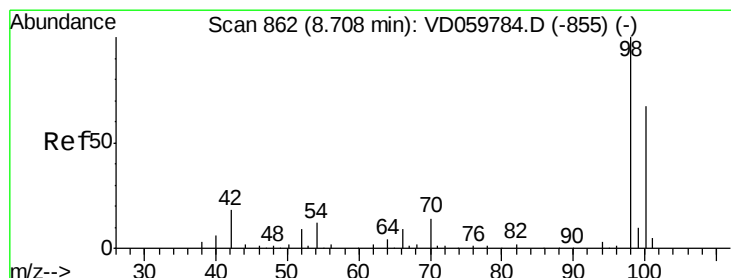
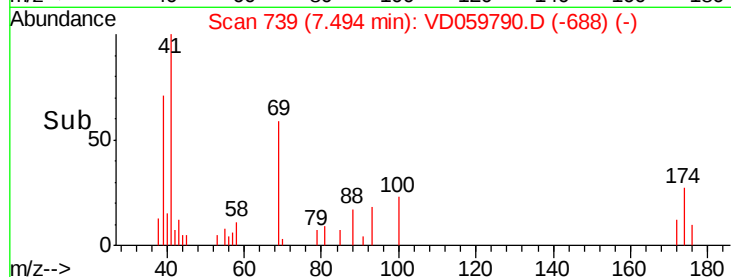
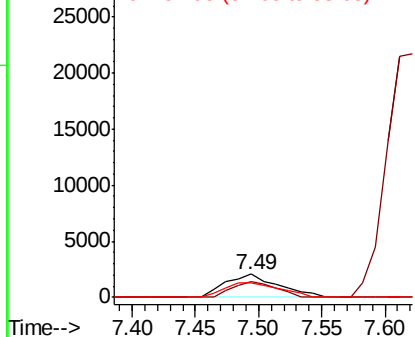
#49
 1,4-Dioxane
 Concen: 403.19 ug/l
 RT: 7.49 min Scan# 739
 Delta R.T. 0.01 min
 Lab File: VD059790.D
 Acq: 15 Aug 2018 4:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0815SBS01

Tot Ion: 88 Resp: 5844
 Ion Ratio Lower Upper
 88 100
 43 68.9 42.0 63.0#
 58 64.4 51.4 77.0

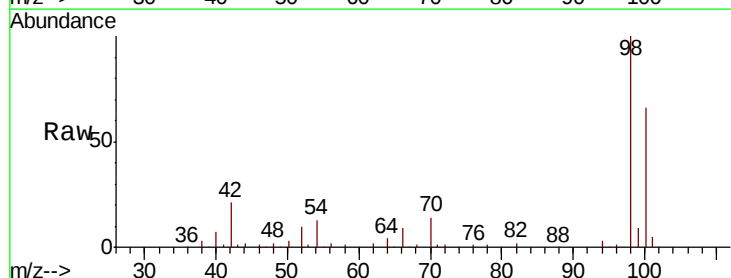


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

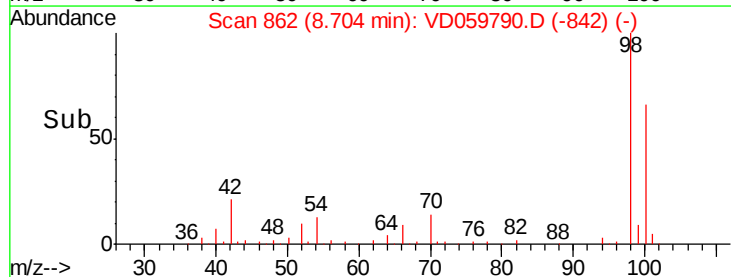
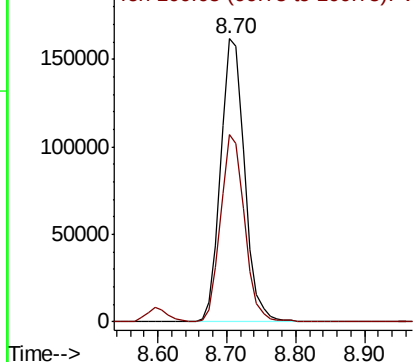


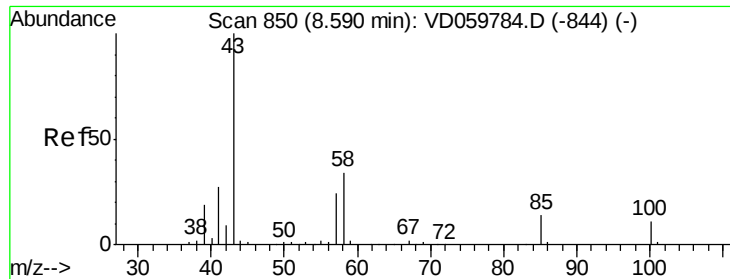
#50
 Toluene-d8
 Concen: 403.19 ug/l
 RT: 8.70 min Scan# 862
 Delta R.T. -0.00 min
 Lab File: VD059790.D
 Acq: 15 Aug 2018 4:37

Tgt Ion: 98 Resp: 389123
 Ion Ratio Lower Upper
 98 100
 100 66.1 54.2 81.4



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: 88.34 ug/l

RT: 8.60 min Scan# 851

Delta R.T. 0.01 min

Lab File: VD059790.D

Acq: 15 Aug 2018 4:37

Instrument :

MSVOA_D

ClientSampleId :

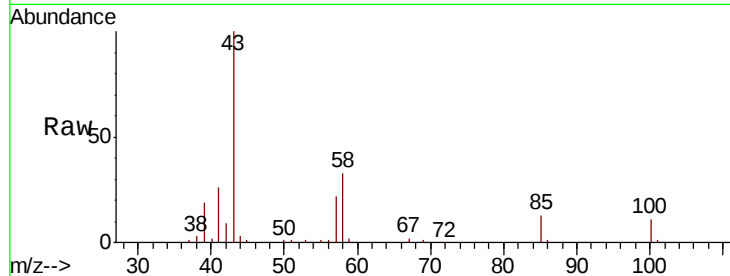
VD0815SBS01

Tot Ion: 43 Resp: 168432

Ion Ratio Lower Upper

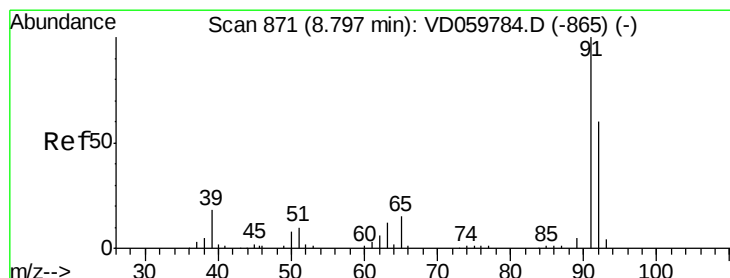
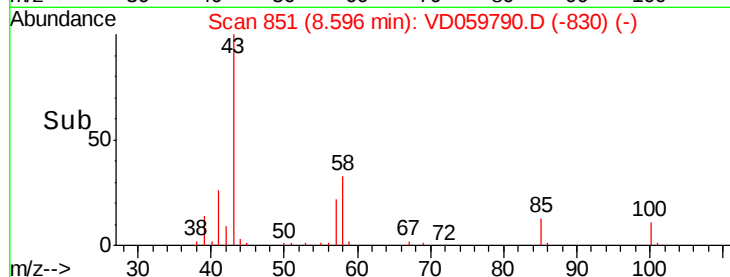
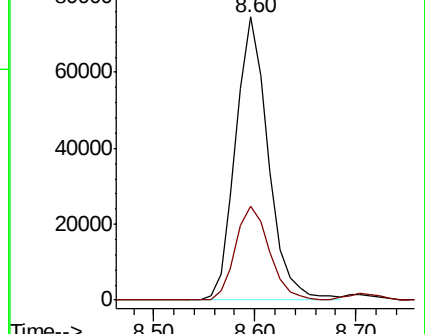
43 100

58 33.1 27.5 41.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 19.83 ug/l

RT: 8.80 min Scan# 872

Delta R.T. 0.01 min

Lab File: VD059790.D

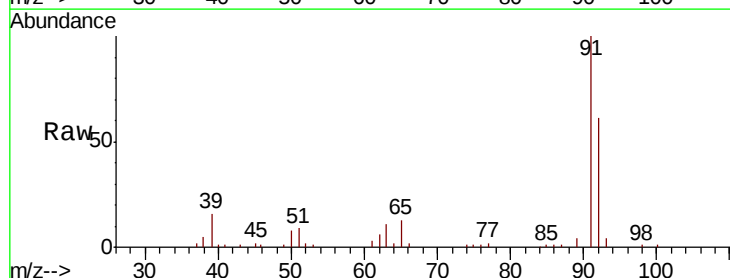
Acq: 15 Aug 2018 4:37

Tgt Ion: 92 Resp: 107590

Ion Ratio Lower Upper

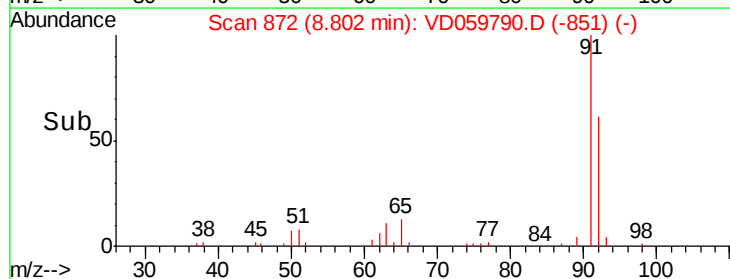
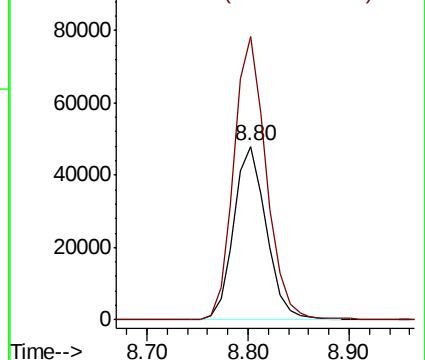
92 100

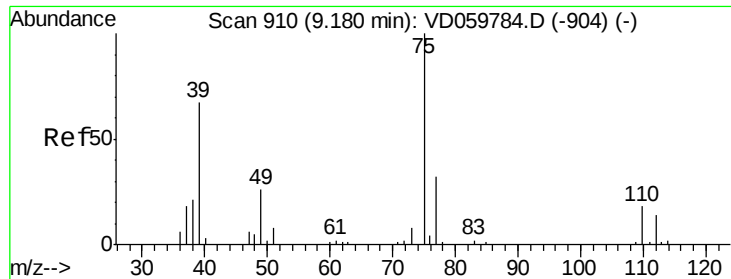
91 163.3 133.1 199.7



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 19.10 ug/l

RT: 9.19 min Scan# 911

Delta R.T. 0.01 min

Lab File: VD059790.D

Acq: 15 Aug 2018 4:37

Instrument :

MSVOA_D

ClientSampleId :

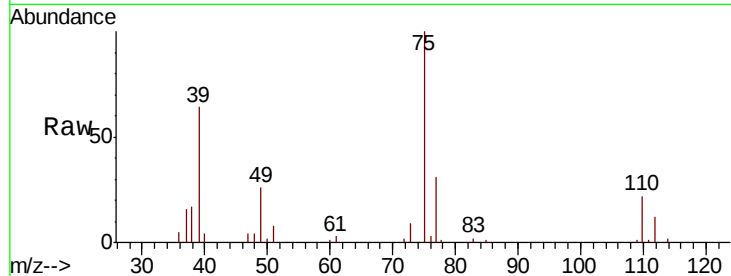
VD0815SBSD01

Tot Ion: 75 Resp: 69880

Ion Ratio Lower Upper

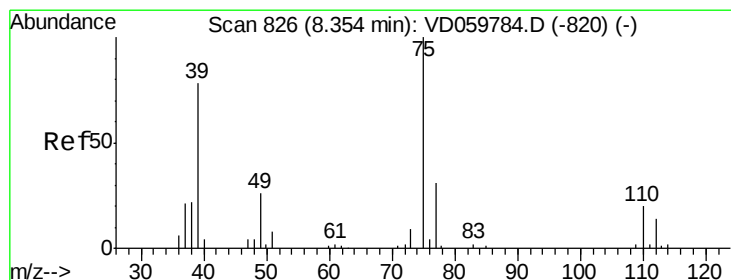
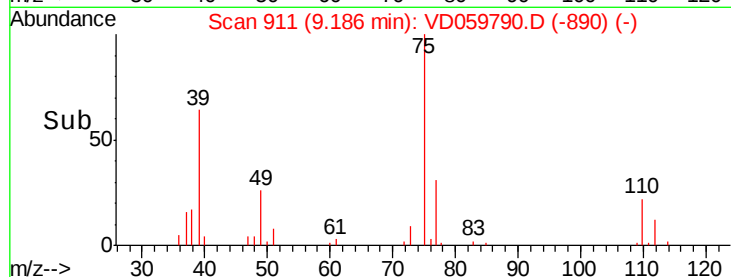
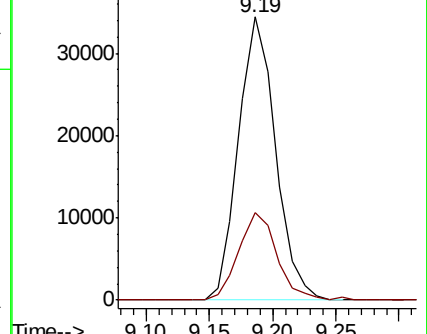
75 100

77 31.1 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 18.90 ug/l

RT: 8.36 min Scan# 827

Delta R.T. 0.01 min

Lab File: VD059790.D

Acq: 15 Aug 2018 4:37

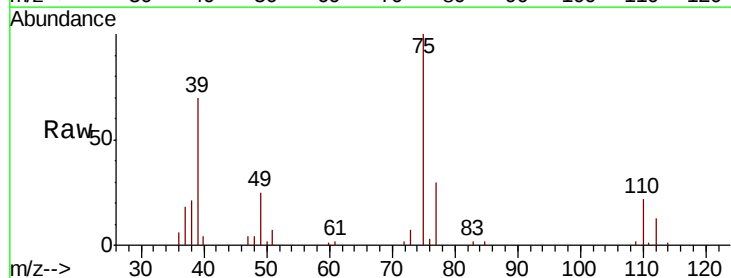
Tgt Ion: 75 Resp: 74709

Ion Ratio Lower Upper

75 100

77 29.9 24.8 37.2

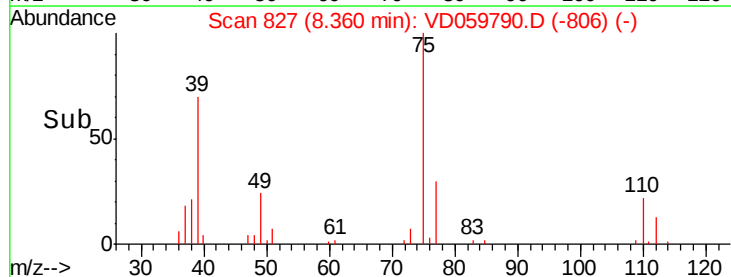
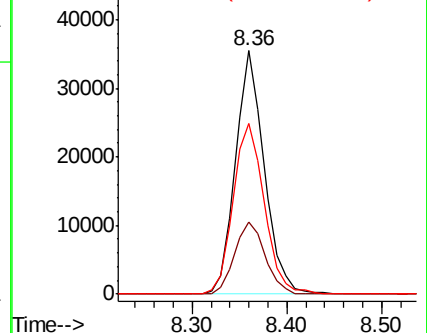
39 70.2 62.5 93.7

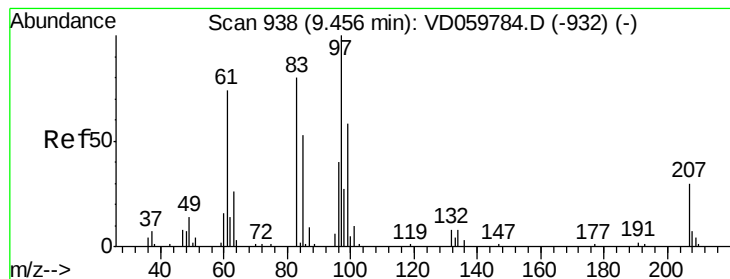


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





#55

1,1,2-Trichloroethane

Concen: 20.39 ug/l

RT: 9.45 min Scan# 938

Delta R.T. -0.00 min

Lab File: VD059790.D

Acq: 15 Aug 2018 4:37

Instrument :

MSVOA_D

ClientSampleId :

VD0815SBS01

Tot Ion: 97 Resp: 40841

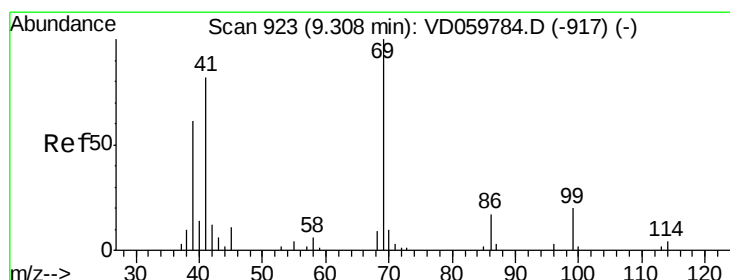
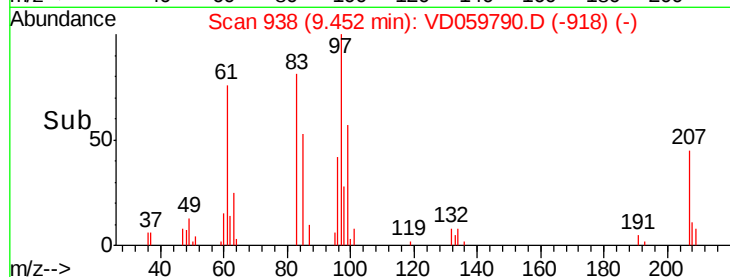
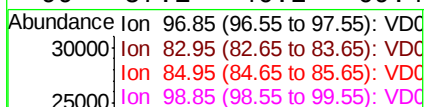
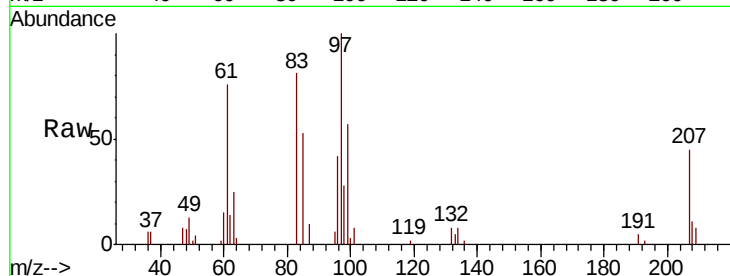
Ion Ratio Lower Upper

97 100

83 81.2 63.8 95.8

85 52.7 42.5 63.7

99 57.1 46.2 69.4



#56

Ethyl methacrylate

Concen: 20.08 ug/l

RT: 9.31 min Scan# 924

Delta R.T. 0.01 min

Lab File: VD059790.D

Acq: 15 Aug 2018 4:37

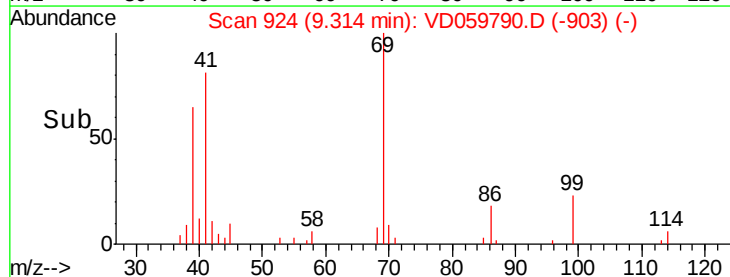
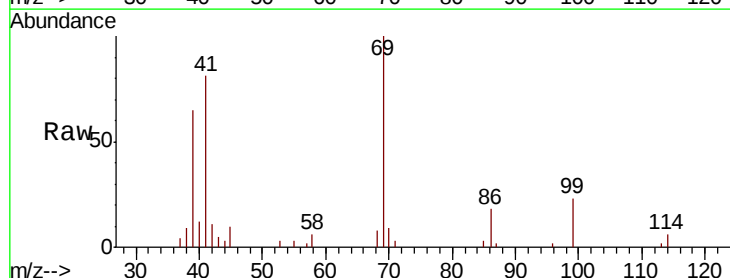
Tgt Ion: 69 Resp: 43568

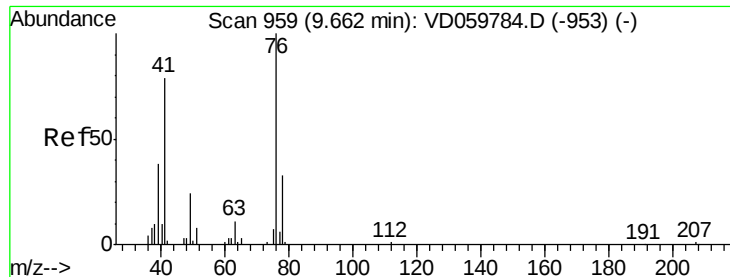
Ion Ratio Lower Upper

69 100

41 81.3 65.8 98.8

39 64.8 49.7 74.5





#57

1,3-Dichloropropane

Concen: 18.82 ug/l

RT: 9.67 min Scan# 960

Delta R.T. 0.01 min

Lab File: VD059790.D

Acq: 15 Aug 2018 4:37

Instrument :

MSVOA_D

ClientSampleId :

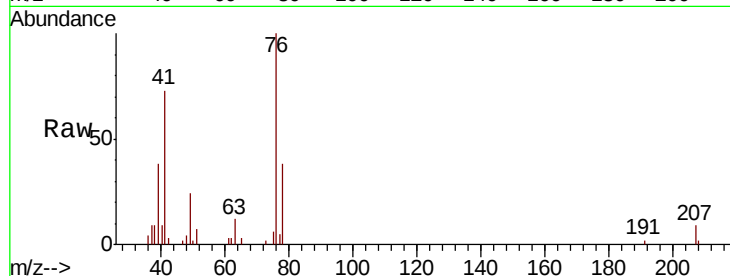
VD0815SBS01

Tot Ion: 76 Resp: 59053

Ion Ratio Lower Upper

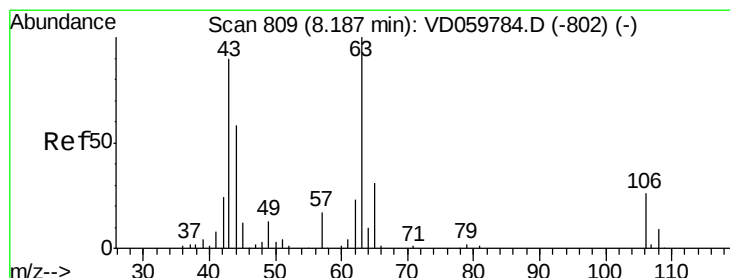
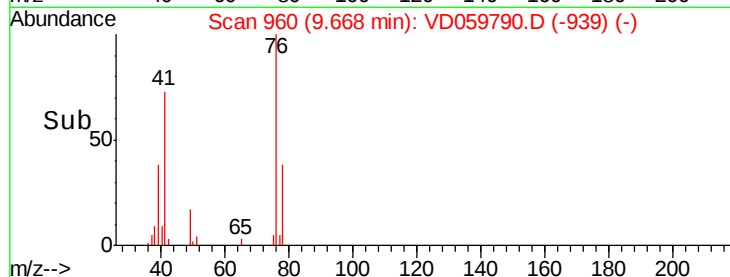
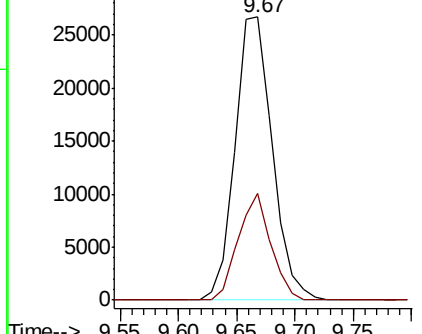
76 100

78 37.9 26.4 39.6



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 103.01 ug/l

RT: 8.18 min Scan# 809

Delta R.T. -0.00 min

Lab File: VD059790.D

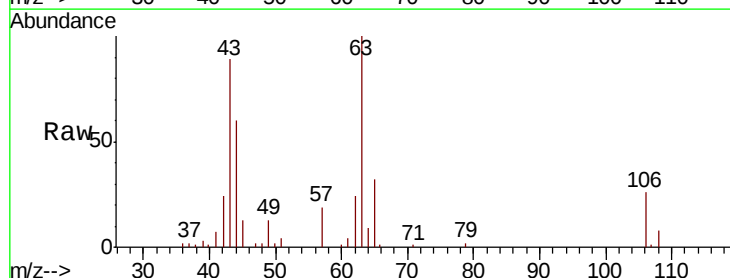
Acq: 15 Aug 2018 4:37

Tgt Ion: 63 Resp: 110464

Ion Ratio Lower Upper

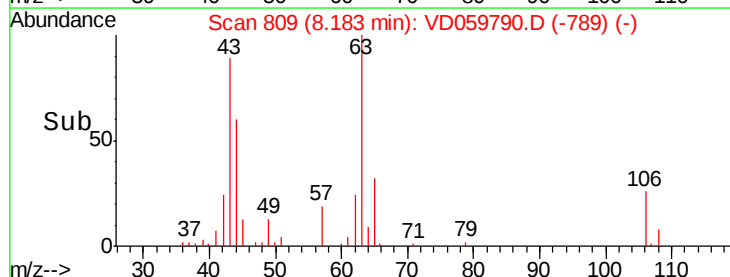
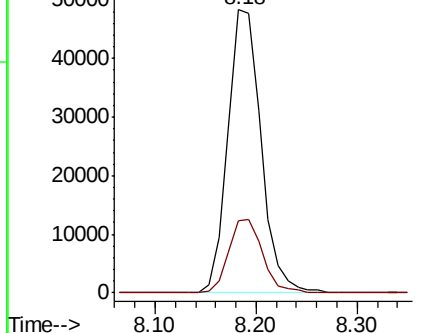
63 100

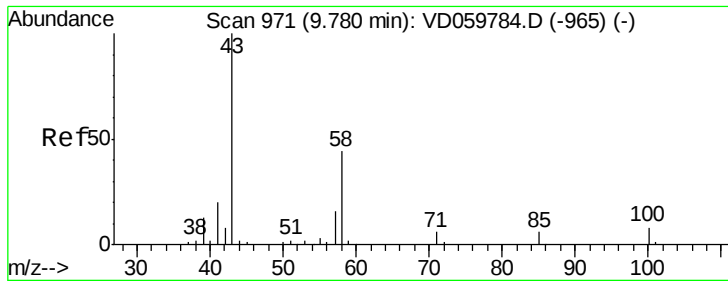
106 25.5 21.1 31.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

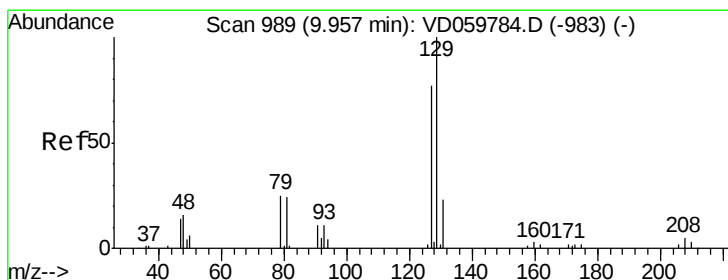
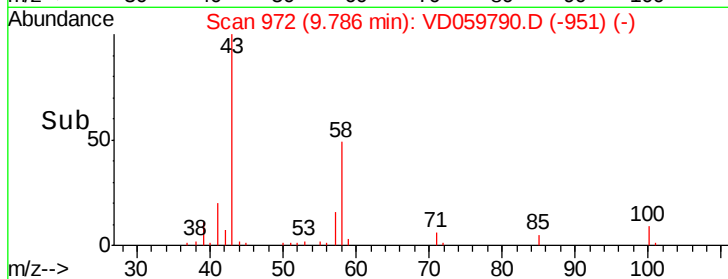
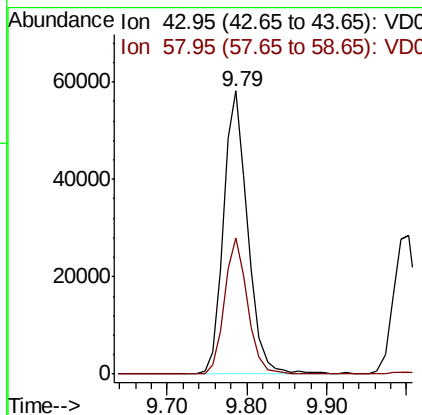
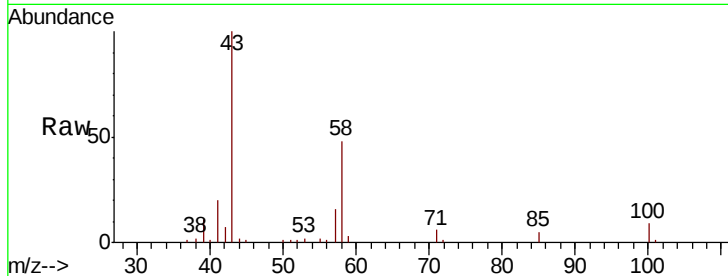




#59
2-Hexanone
Concen: 90.57 ug/l
RT: 9.79 min Scan# 972
Delta R.T. 0.01 min
Lab File: VD059790.D
Acq: 15 Aug 2018 4:37

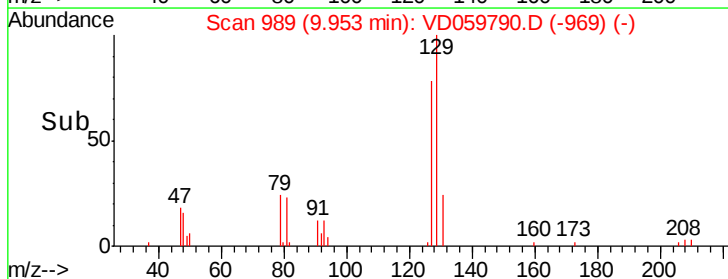
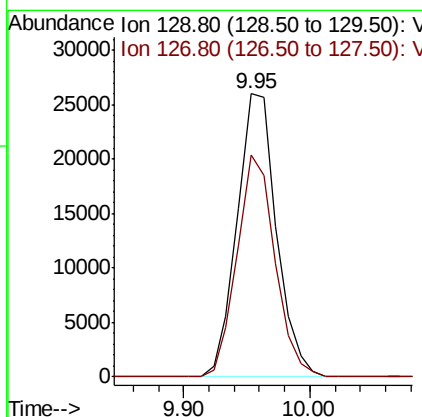
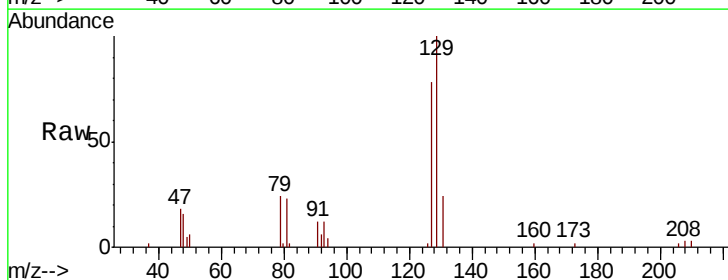
Instrument :
MSVOA_D
ClientSampleId :
VD0815SBSD01

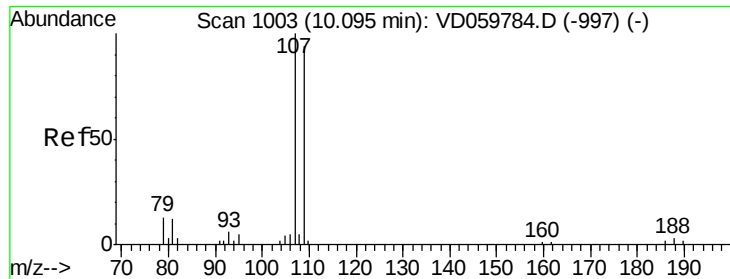
Tot Ion: 43 Resp: 123829
Ion Ratio Lower Upper
43 100
58 48.2 22.3 66.8



#60
Dibromochloromethane
Concen: 19.41 ug/l
RT: 9.95 min Scan# 989
Delta R.T. -0.00 min
Lab File: VD059790.D
Acq: 15 Aug 2018 4:37

Tgt Ion: 129 Resp: 56471
Ion Ratio Lower Upper
129 100
127 78.3 38.4 115.1

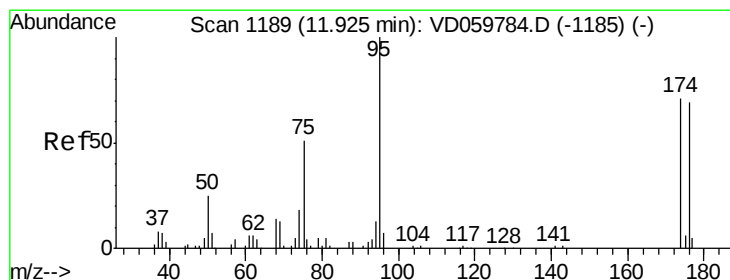
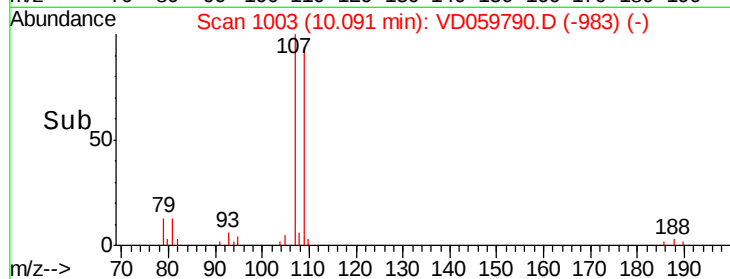
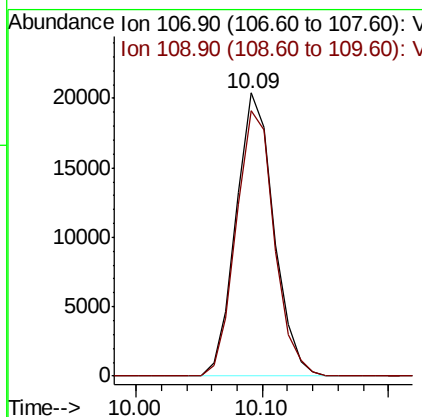
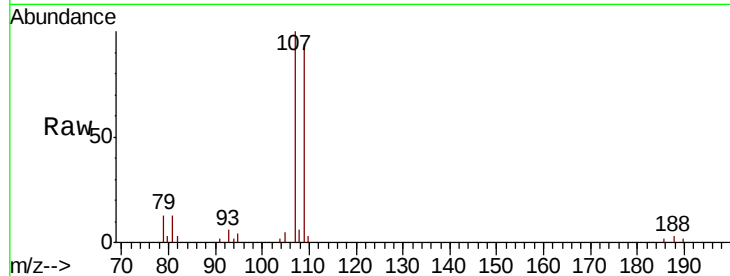




#61
 1,2-Dibromoethane
 Concen: 19.08 ug/l
 RT: 10.09 min Scan# 1003
 Delta R.T. -0.00 min
 Lab File: VD059790.D
 Acq: 15 Aug 2018 4:37

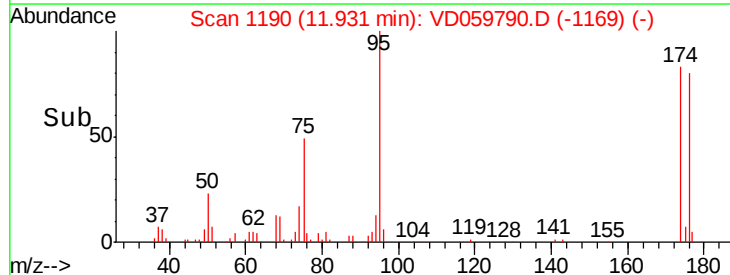
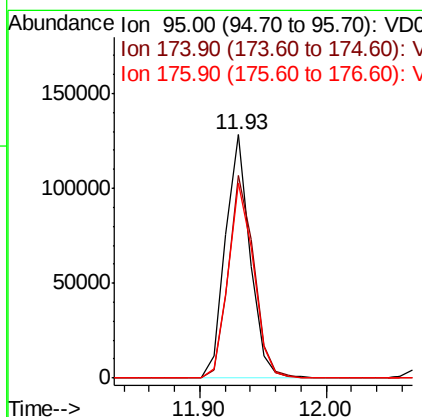
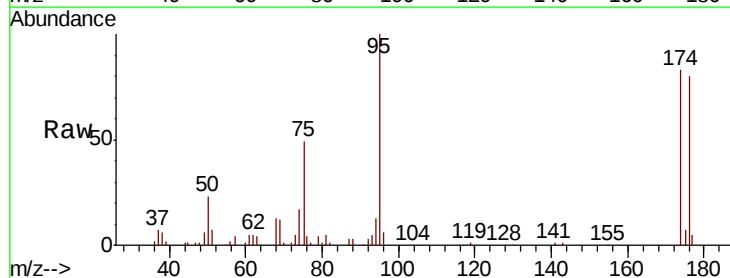
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0815SBSD01

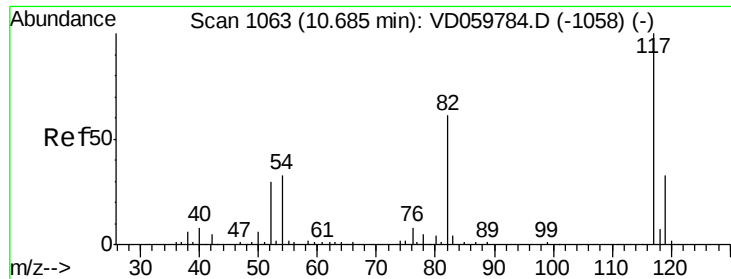
Tot Ion:107 Resp: 42335
 Ion Ratio Lower Upper
 107 100
 109 93.9 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 19.08 ug/l
 RT: 11.93 min Scan# 1190
 Delta R.T. 0.01 min
 Lab File: VD059790.D
 Acq: 15 Aug 2018 4:37

Tgt Ion: 95 Resp: 171826
 Ion Ratio Lower Upper
 95 100
 174 83.3 0.0 142.2
 176 80.0 0.0 137.4

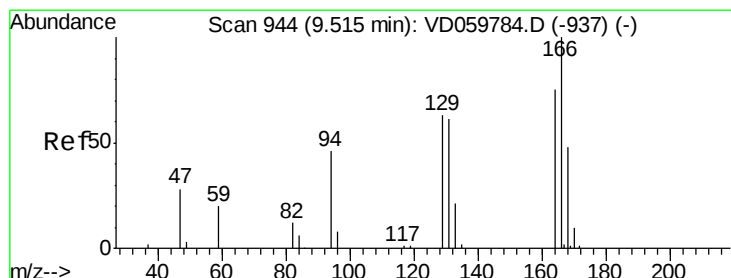
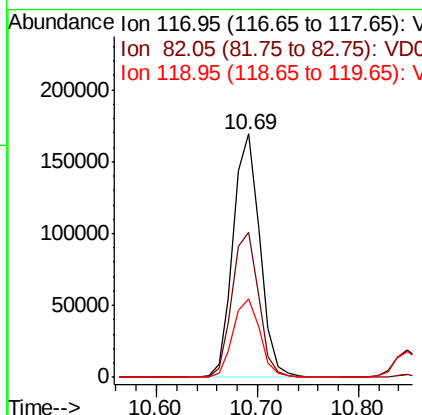
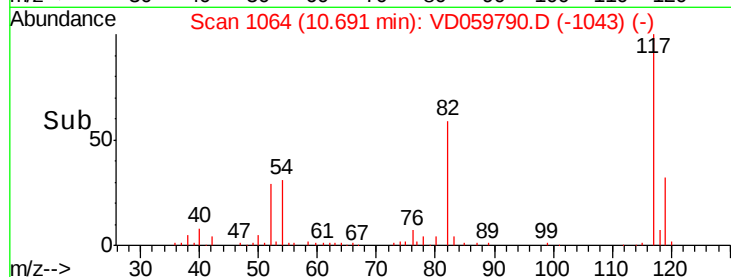
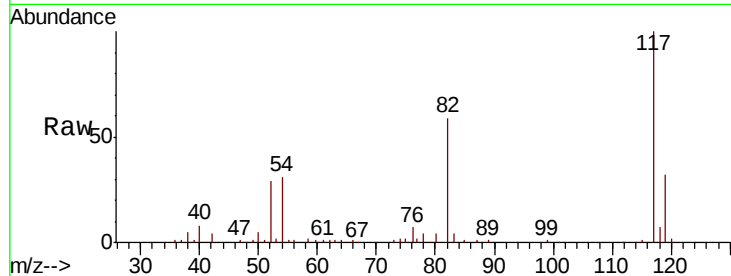




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.69 min Scan# 1064
Delta R.T. 0.01 min
Lab File: VD059790.D
Acq: 15 Aug 2018 4:37

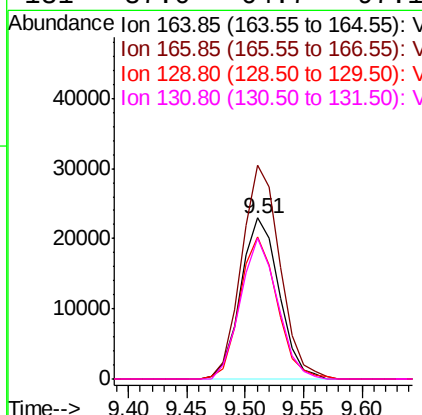
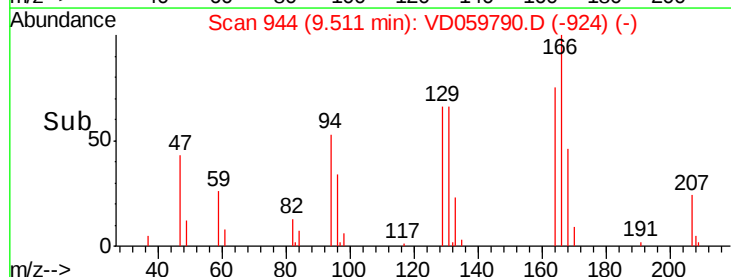
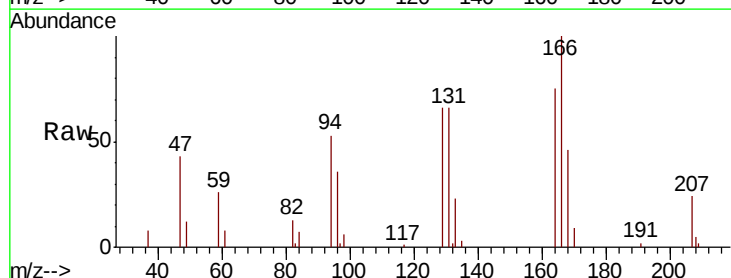
Instrument :
MSVOA_D
ClientSampleId :
VD0815SBS01

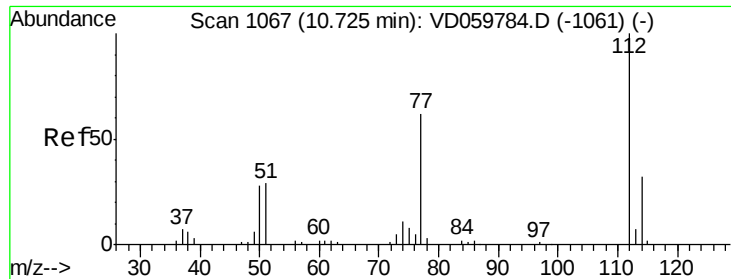
Tot Ion:117 Resp: 311995
Ion Ratio Lower Upper
117 100
82 59.4 49.0 73.6
119 32.5 26.2 39.2



#64
Tetrachloroethene
Concen: 19.41 ug/l
RT: 9.51 min Scan# 944
Delta R.T. -0.00 min
Lab File: VD059790.D
Acq: 15 Aug 2018 4:37

Tgt Ion:164 Resp: 52165
Ion Ratio Lower Upper
164 100
166 132.5 106.8 160.2
129 87.8 67.2 100.8
131 87.0 64.7 97.1

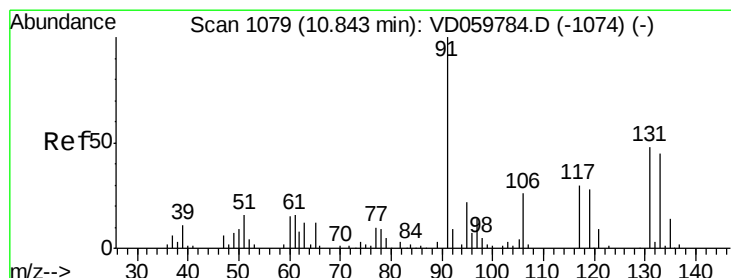
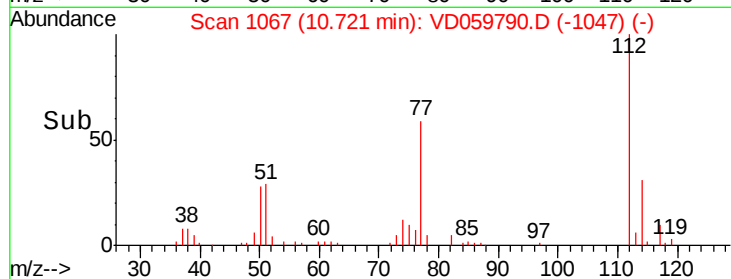
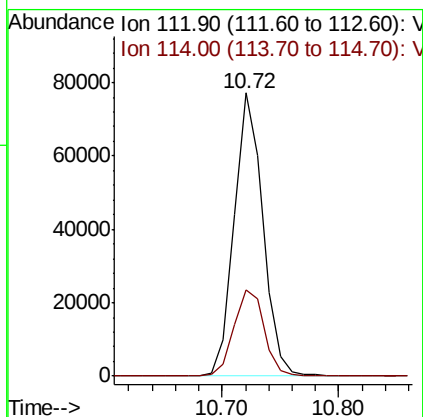
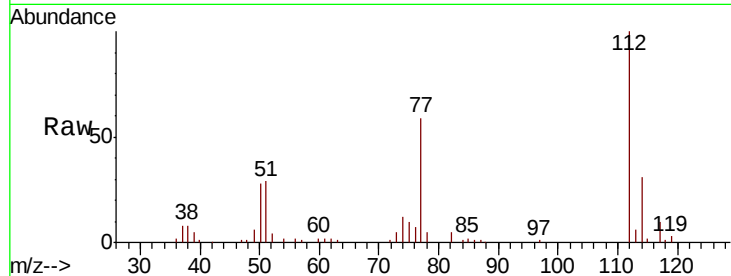




#65
Chlorobenzene
Concen: 20.78 ug/l
RT: 10.72 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VD059790.D
Acq: 15 Aug 2018 4:37

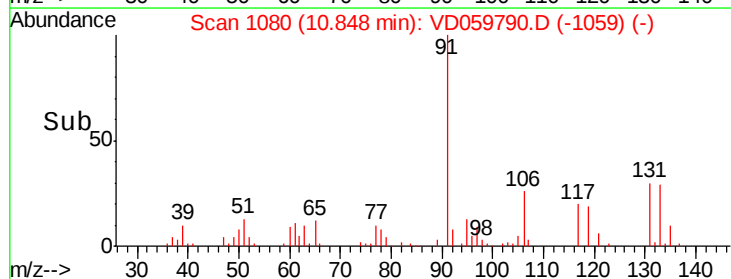
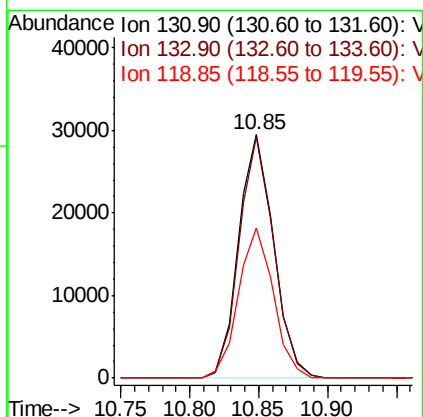
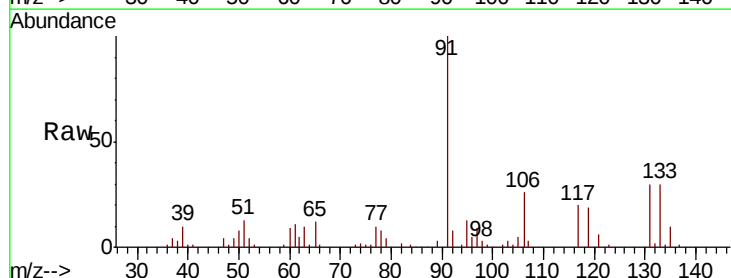
Instrument :
MSVOA_D
ClientSampleId :
VD0815SBSD01

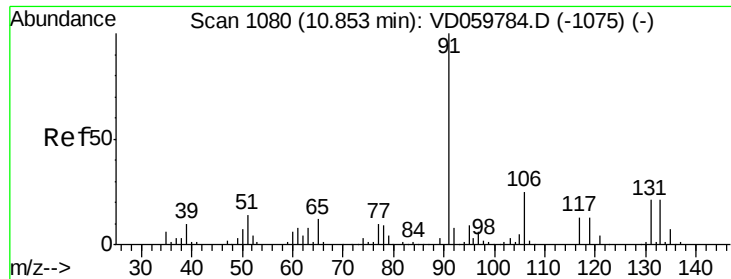
Tot Ion:112 Resp: 131303
Ion Ratio Lower Upper
112 100
114 30.5 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 20.52 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VD059790.D
Acq: 15 Aug 2018 4:37

Tgt Ion:131 Resp: 52261
Ion Ratio Lower Upper
131 100
133 99.2 47.0 141.0
119 61.8 29.0 87.1

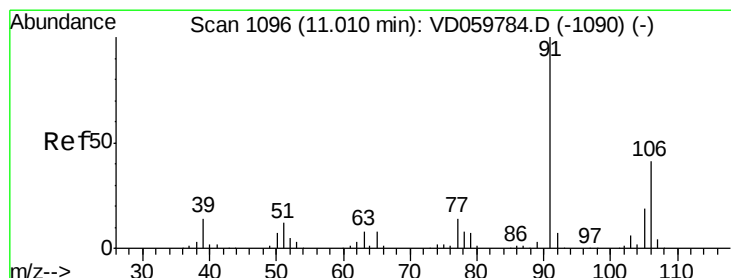
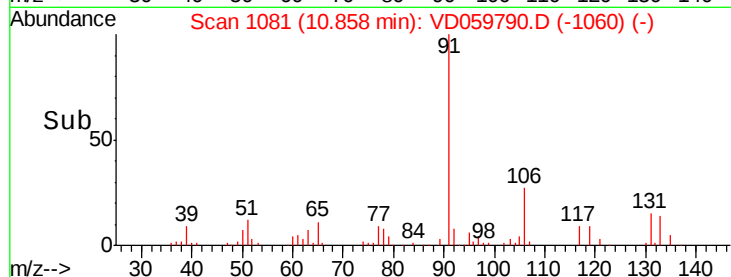
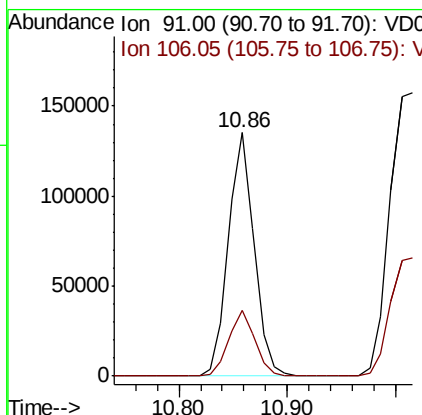
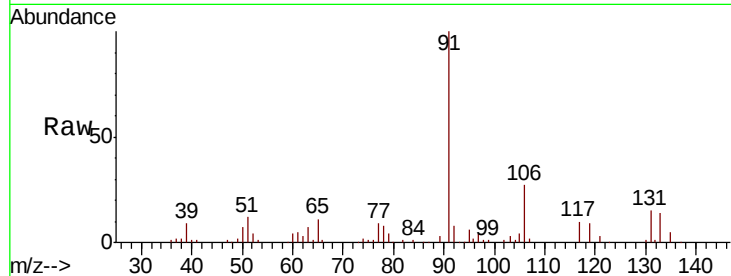




#67
Ethyl Benzene
Concen: 20.61 ug/l
RT: 10.86 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VD059790.D
Acq: 15 Aug 2018 4:37

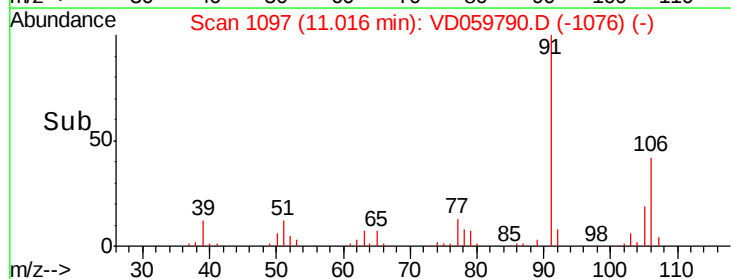
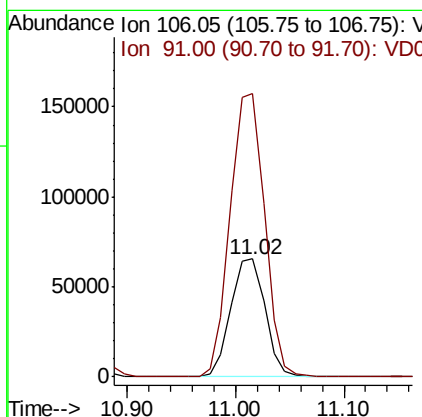
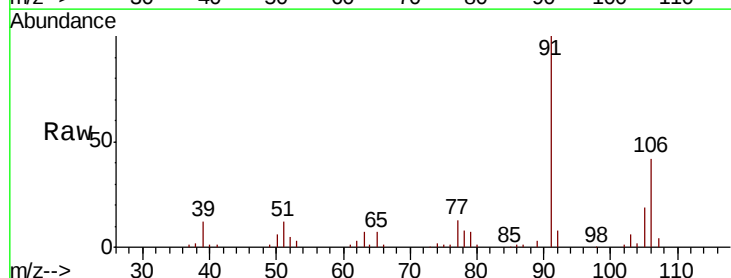
Instrument :
MSVOA_D
ClientSampleId :
VD0815SBSD01

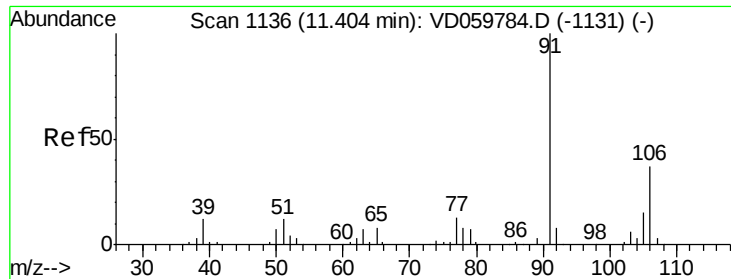
Tot Ion: 91 Resp: 224176
Ion Ratio Lower Upper
91 100
106 26.9 20.1 30.1



#68
m/p-Xylenes
Concen: 39.40 ug/l
RT: 11.02 min Scan# 1097
Delta R.T. 0.01 min
Lab File: VD059790.D
Acq: 15 Aug 2018 4:37

Tgt Ion:106 Resp: 145290
Ion Ratio Lower Upper
106 100
91 239.4 197.4 296.0

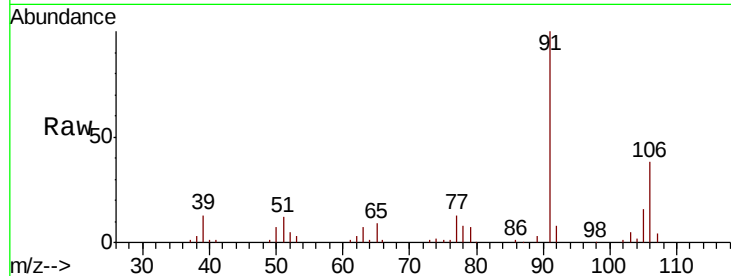




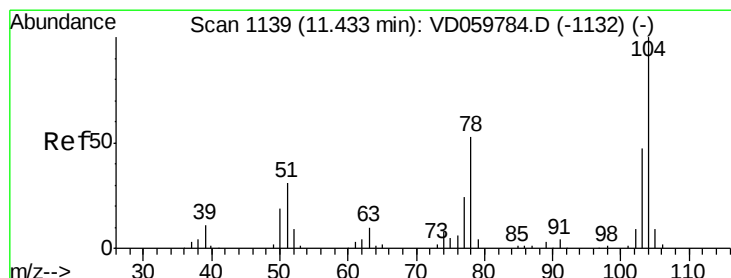
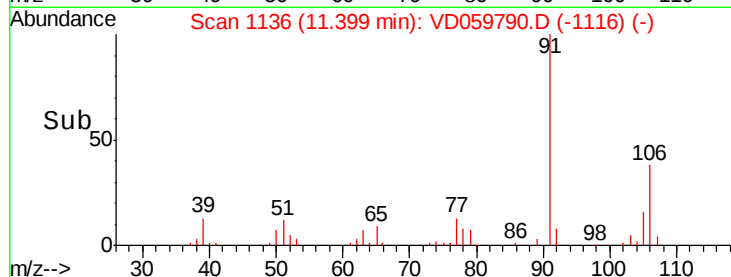
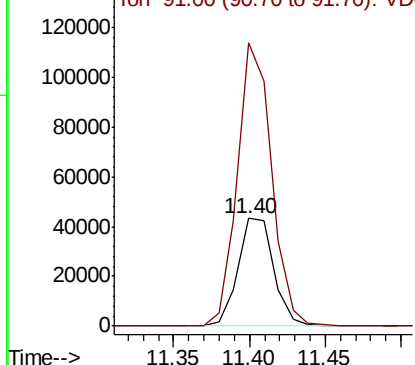
#69
o-Xylene
Concen: 20.09 ug/l
RT: 11.40 min Scan# 1136
Delta R.T. -0.00 min
Lab File: VD059790.D
Acq: 15 Aug 2018 4:37

Instrument :
MSVOA_D
ClientSampleId :
VD0815SBSD01

Tot Ion:106 Resp: 71119
Ion Ratio Lower Upper
106 100
91 262.7 133.7 401.1

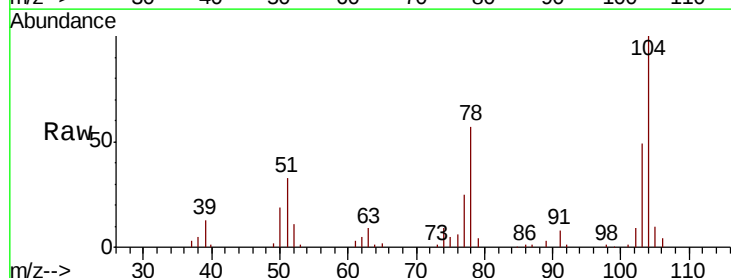


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

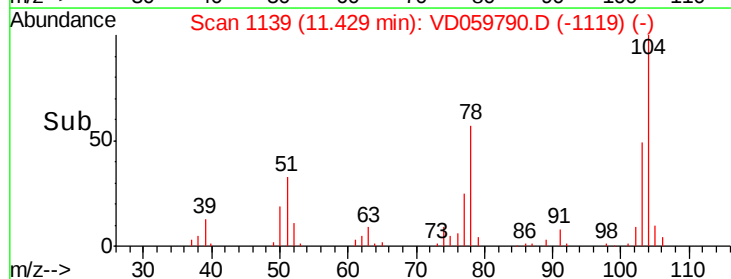
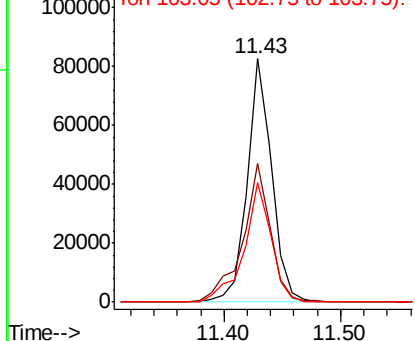


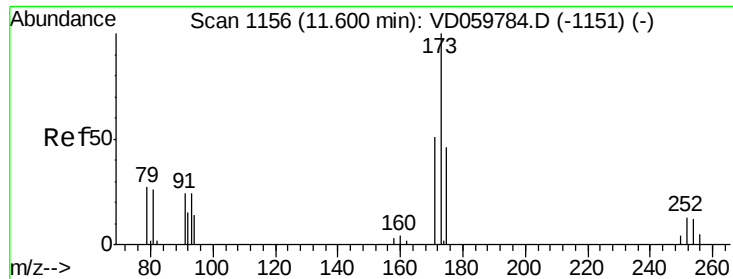
#70
Styrene
Concen: 19.12 ug/l
RT: 11.43 min Scan# 1139
Delta R.T. -0.00 min
Lab File: VD059790.D
Acq: 15 Aug 2018 4:37

Tgt Ion:104 Resp: 120004
Ion Ratio Lower Upper
104 100
78 57.0 42.6 64.0
103 49.0 37.8 56.6



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

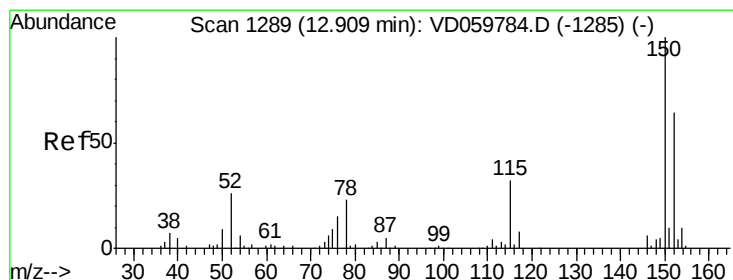
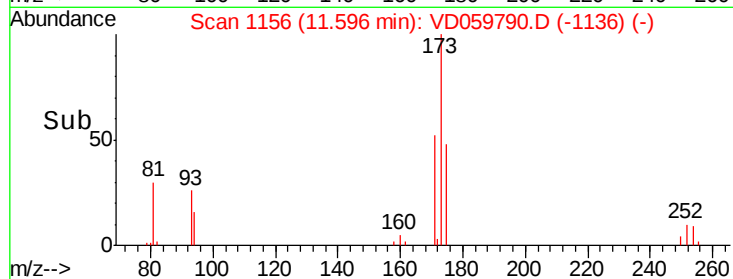
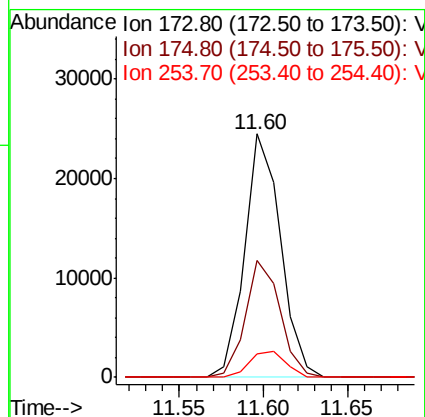
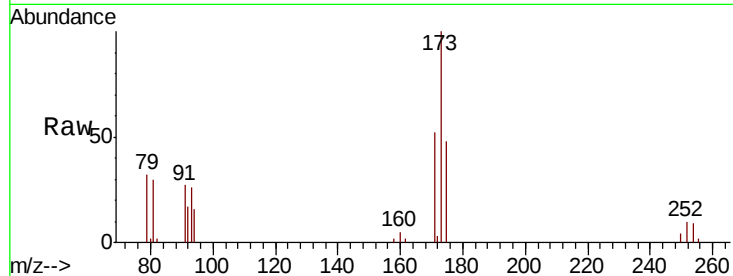




#71
Bromoform
Concen: 19.41 ug/l
RT: 11.60 min Scan# 1156
Delta R.T. -0.00 min
Lab File: VD059790.D
Acq: 15 Aug 2018 4:37

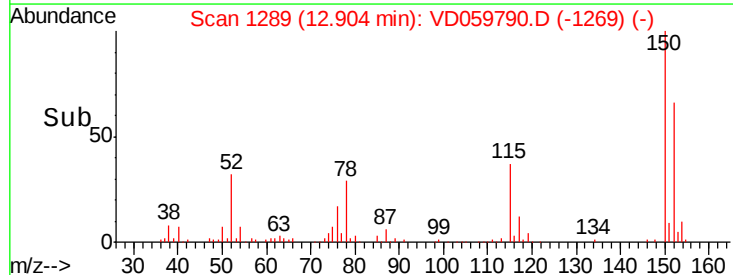
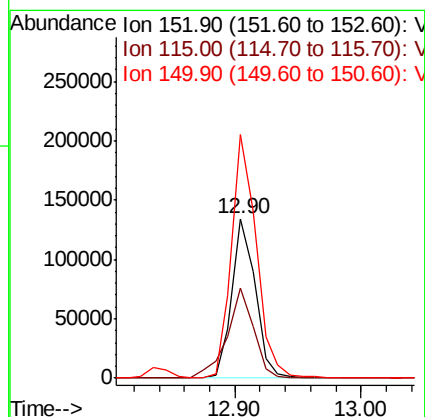
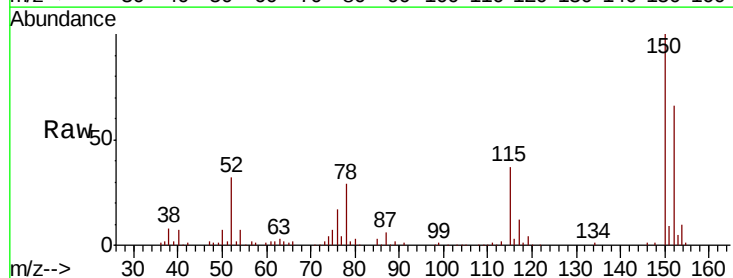
Instrument :
MSVOA_D
ClientSampleId :
VD0815SBSD01

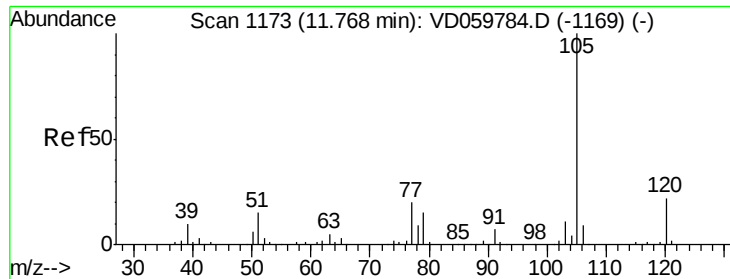
Tot Ion:173 Resp: 35929
Ion Ratio Lower Upper
173 100
175 48.2 23.1 69.2
254 9.4 9.7 14.5#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.90 min Scan# 1289
Delta R.T. -0.00 min
Lab File: VD059790.D
Acq: 15 Aug 2018 4:37

Tgt Ion:152 Resp: 172210
Ion Ratio Lower Upper
152 100
115 56.5 27.2 81.5
150 152.4 0.0 312.4





#73

Isopropylbenzene

Concen: 19.37 ug/l

RT: 11.77 min Scan# 1174

Delta R.T. 0.01 min

Lab File: VD059790.D

Acq: 15 Aug 2018 4:37

Instrument :

MSVOA_D

ClientSampleId :

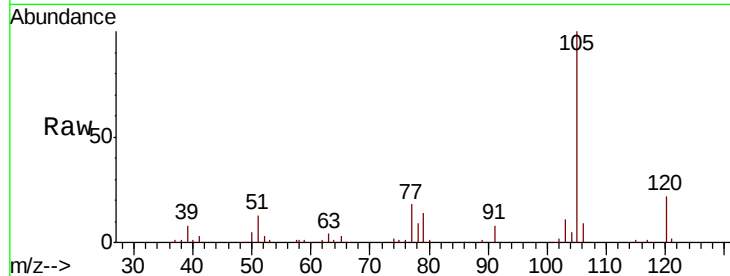
VD0815SBS01

Tot Ion:105 Resp: 211219

Ion Ratio Lower Upper

105 100

120 22.2 10.9 32.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

11.77

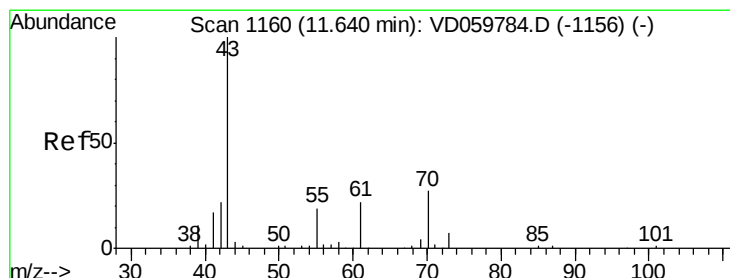
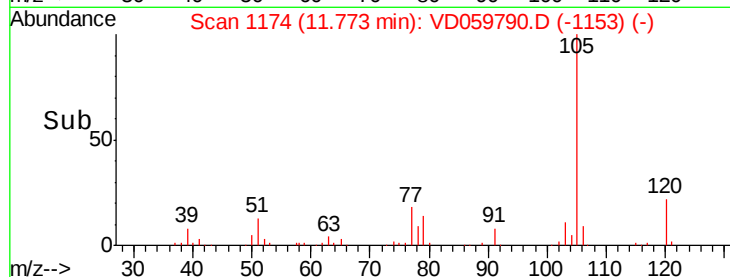
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 20.40 ug/l

RT: 11.65 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VD059790.D

Acq: 15 Aug 2018 4:37

Tgt Ion: 43 Resp: 68214

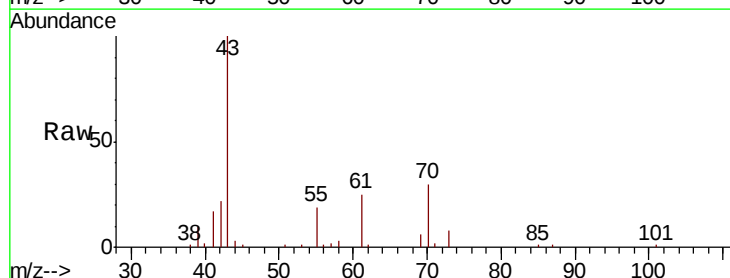
Ion Ratio Lower Upper

43 100

70 30.4 21.8 32.6

55 19.3 15.1 22.7

61 24.8 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

80000

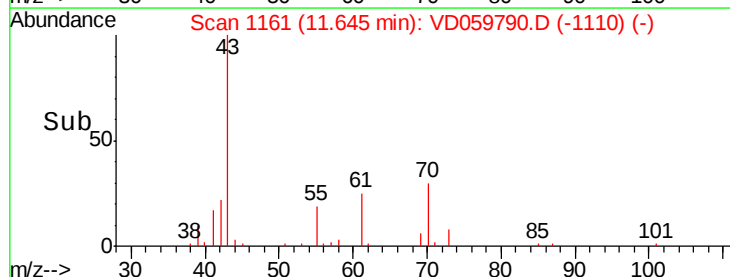
60000

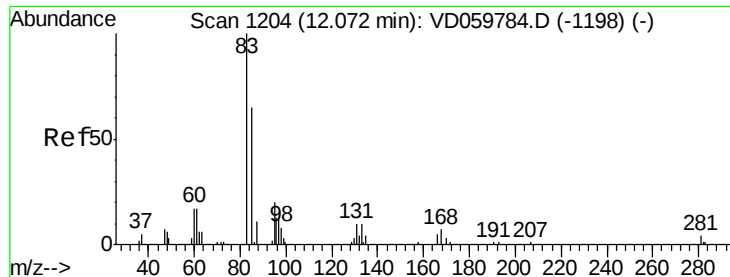
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.33 ug/l

RT: 12.08 min Scan# 1205

Delta R.T. 0.01 min

Lab File: VD059790.D

Acq: 15 Aug 2018 4:37

Instrument :

MSVOA_D

ClientSampleId :

VD0815SBS01

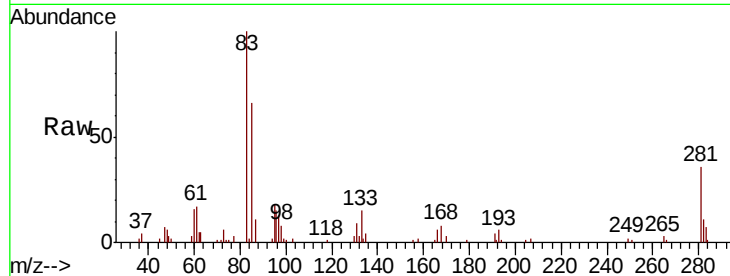
Tot Ion: 83 Resp: 42796

Ion Ratio Lower Upper

83 100

131 9.4 5.0 15.0

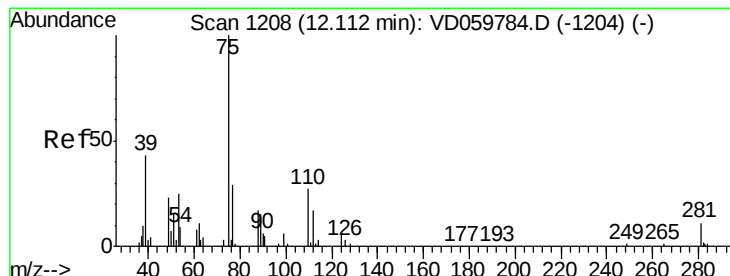
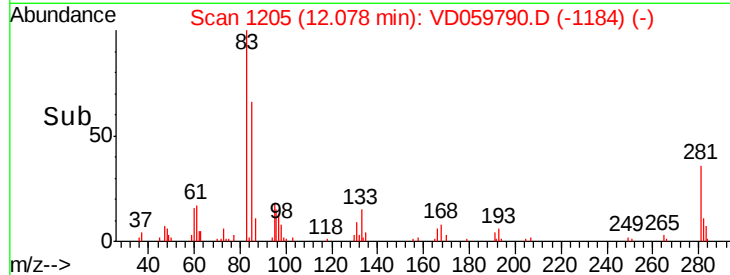
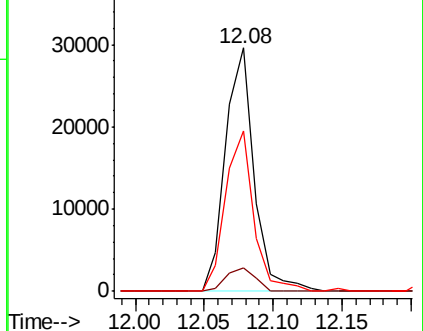
85 65.7 32.8 98.3



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: 19.94 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VD059790.D

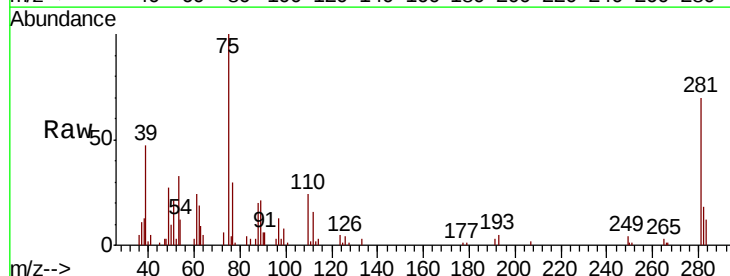
Acq: 15 Aug 2018 4:37

Tgt Ion: 75 Resp: 48716

Ion Ratio Lower Upper

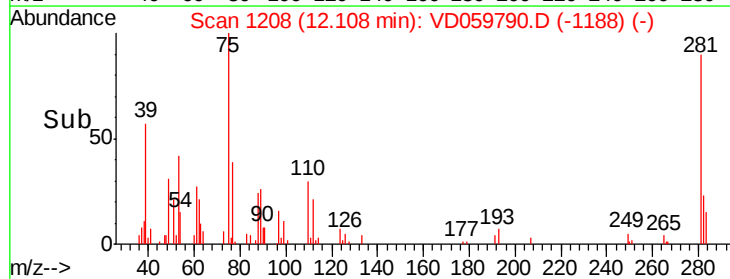
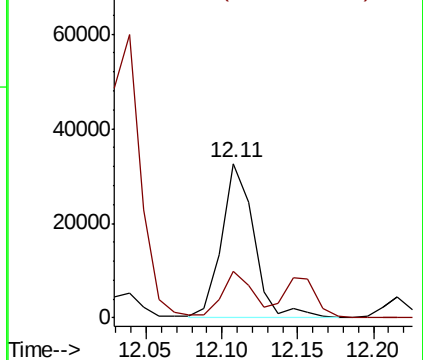
75 100

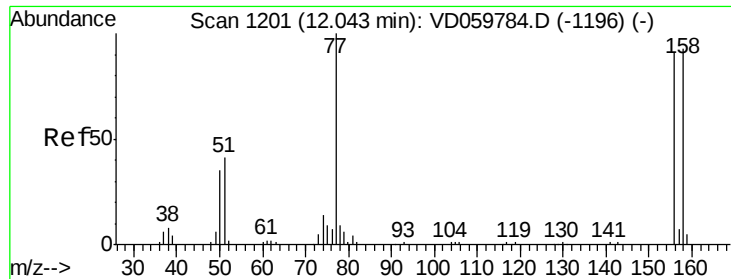
77 30.1 16.2 48.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 19.96 ug/l

RT: 12.04 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VD059790.D

Acq: 15 Aug 2018 4:37

Instrument :

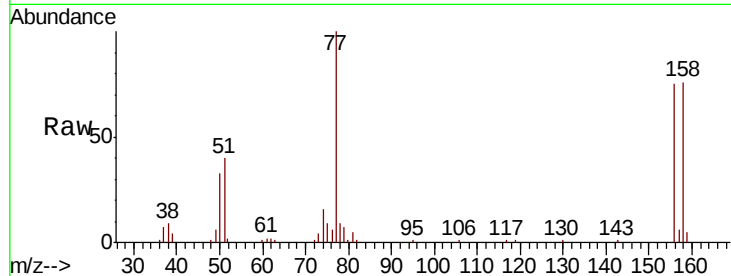
MSVOA_D

ClientSampleId :

VD0815SBS01

Tot Ion:156 Resp: 62190

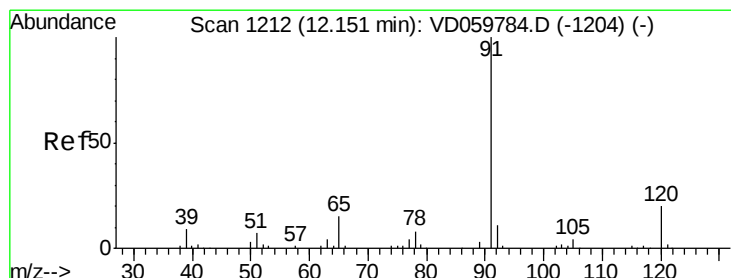
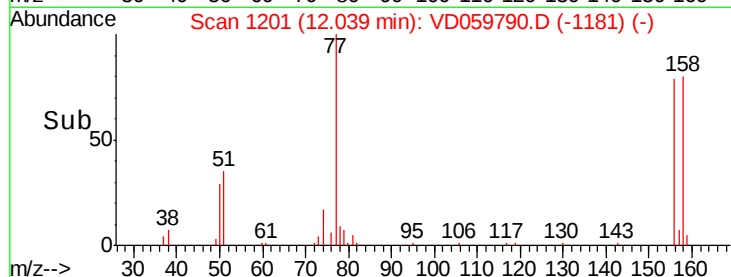
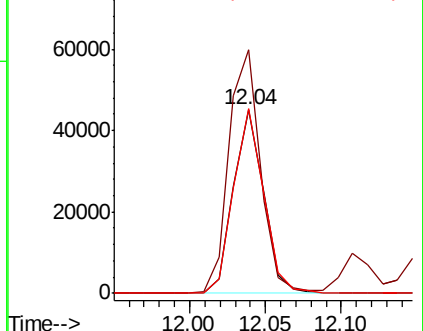
Ion	Ratio	Lower	Upper
156	100		
77	132.5	54.9	164.8
158	100.4	51.2	153.6



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: 19.89 ug/l

RT: 12.16 min Scan# 1213

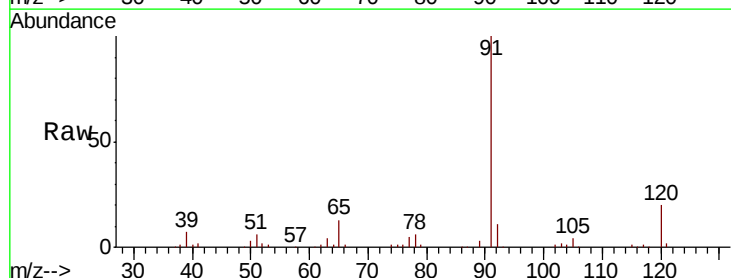
Delta R.T. 0.01 min

Lab File: VD059790.D

Acq: 15 Aug 2018 4:37

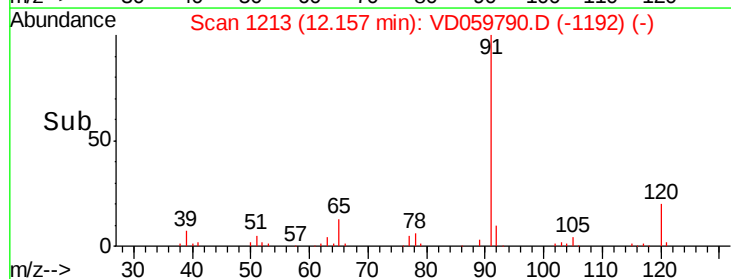
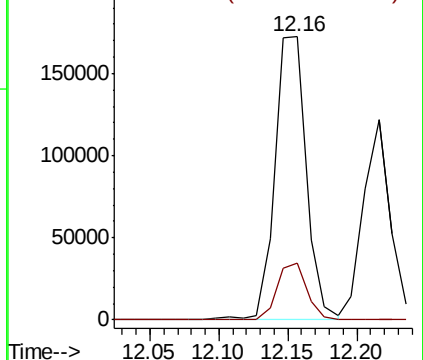
Tgt Ion: 91 Resp: 270547

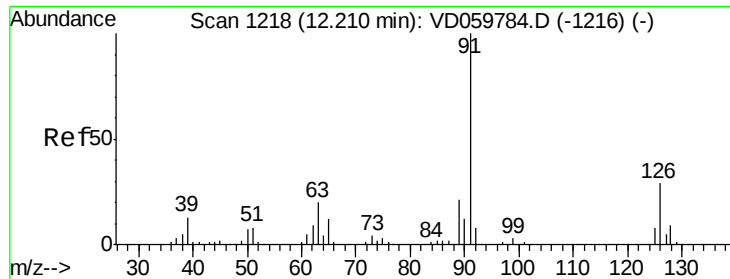
Ion	Ratio	Lower	Upper
91	100		
120	20.3	9.8	29.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

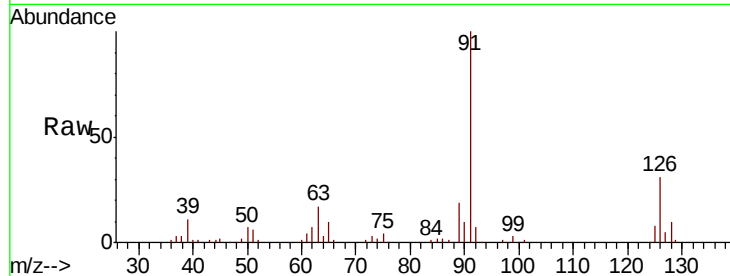




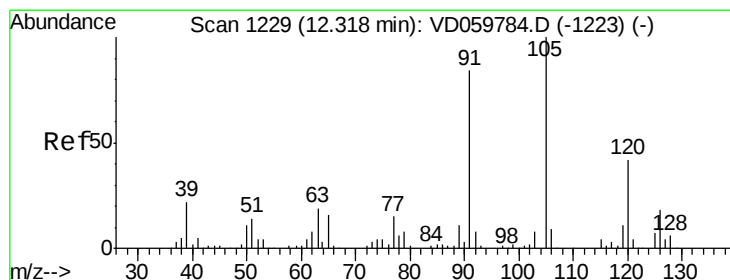
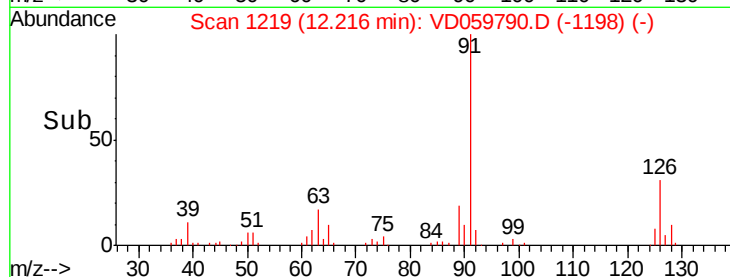
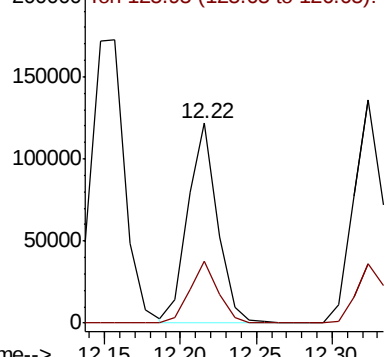
#79
 2-Chlorotoluene
 Concen: 20.07 ug/l
 RT: 12.22 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VD059790.D
 Acq: 15 Aug 2018 4:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0815SBS01

Tot Ion: 91 Resp: 164619
 Ion Ratio Lower Upper
 91 100
 126 30.9 14.0 41.9

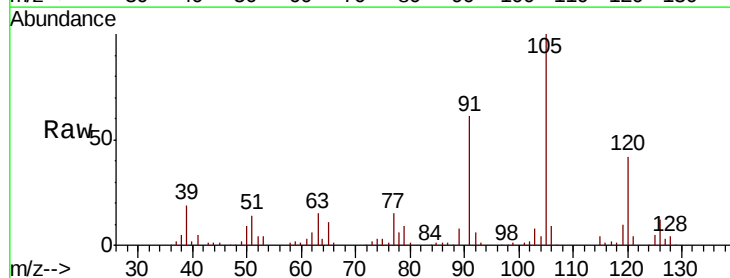


Abundance Ion 91.00 (90.70 to 91.70): VD059784.D (-1216) (-)
 Ion 125.95 (125.65 to 126.65): VD059784.D (-1216) (-)

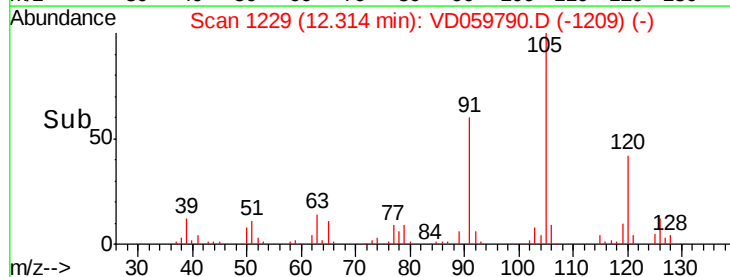
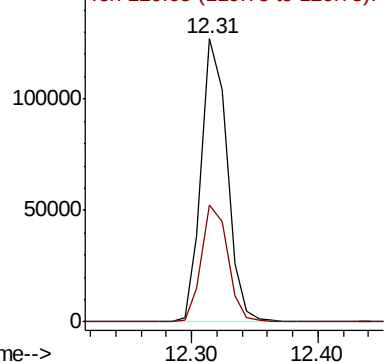


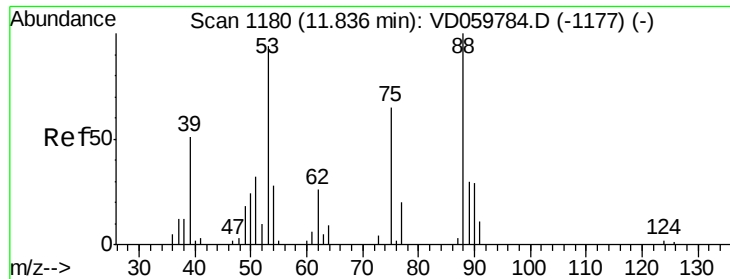
#80
 1,3,5-Trimethylbenzene
 Concen: 20.67 ug/l
 RT: 12.31 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VD059790.D
 Acq: 15 Aug 2018 4:37

Tgt Ion: 105 Resp: 180449
 Ion Ratio Lower Upper
 105 100
 120 41.5 20.8 62.5



Abundance Ion 105.05 (104.75 to 105.75): VD059784.D (-1223) (-)
 Ion 120.05 (119.75 to 120.75): VD059784.D (-1223) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 20.57 ug/l

RT: 11.84 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VD059790.D

Acq: 15 Aug 2018 4:37

Instrument :

MSVOA_D

ClientSampleId :

VD0815SBSD01

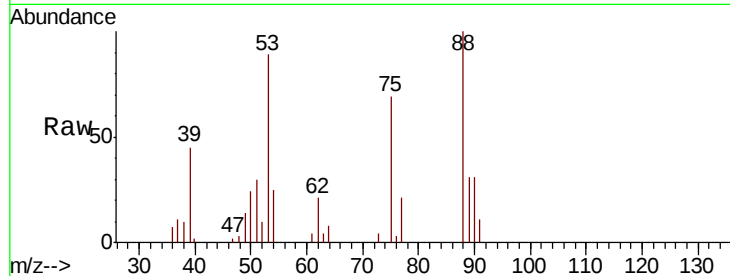
Tot Ion: 75 Resp: 11758

Ion Ratio Lower Upper

75 100

53 130.0 116.2 174.2

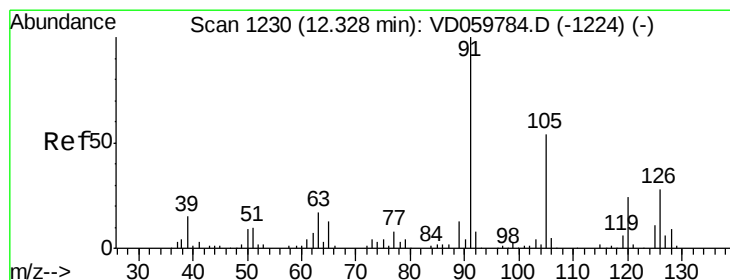
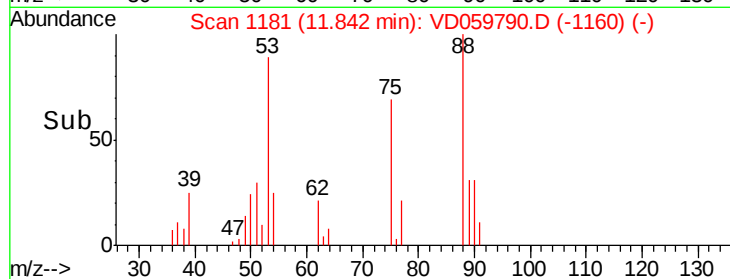
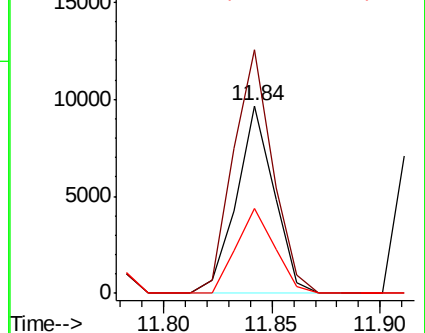
89 45.4 37.0 55.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 20.17 ug/l

RT: 12.32 min Scan# 1230

Delta R.T. -0.00 min

Lab File: VD059790.D

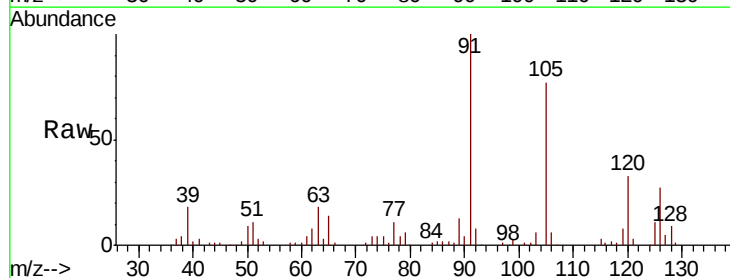
Acq: 15 Aug 2018 4:37

Tgt Ion: 91 Resp: 187745

Ion Ratio Lower Upper

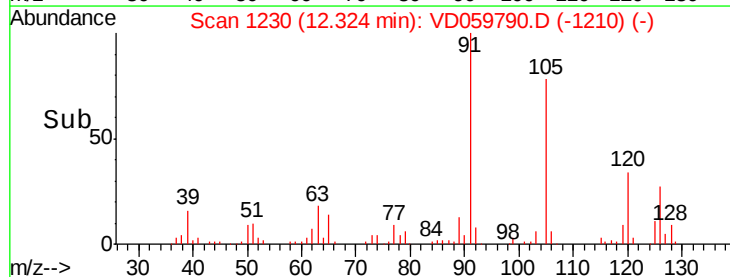
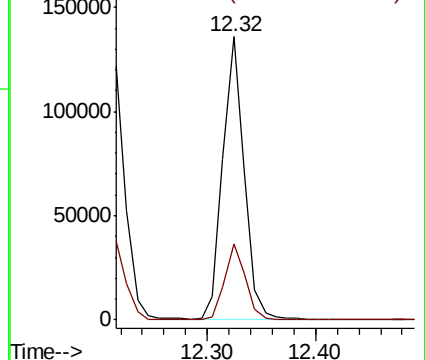
91 100

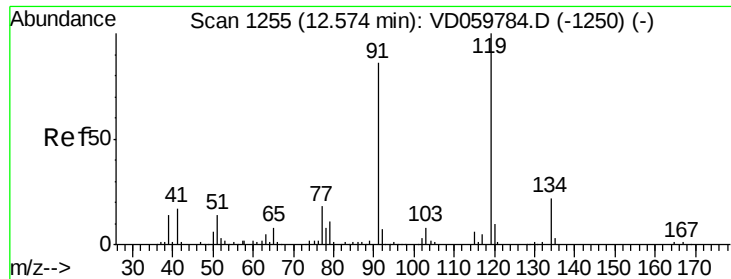
126 26.8 13.9 41.7



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

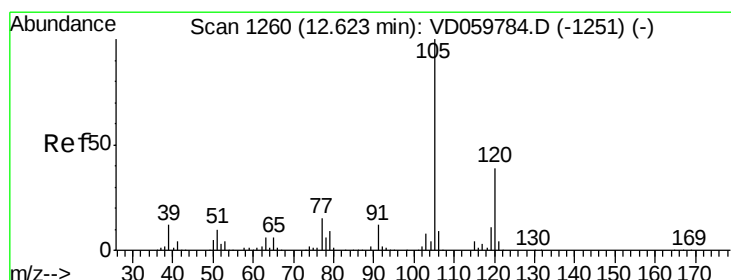
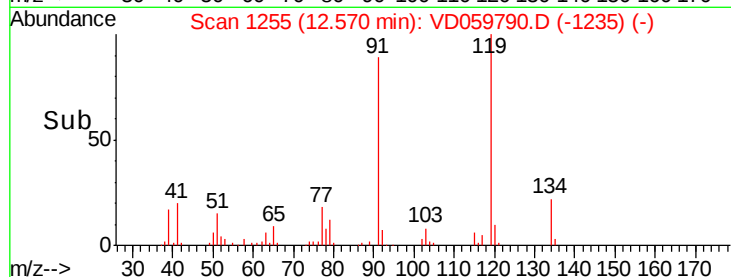
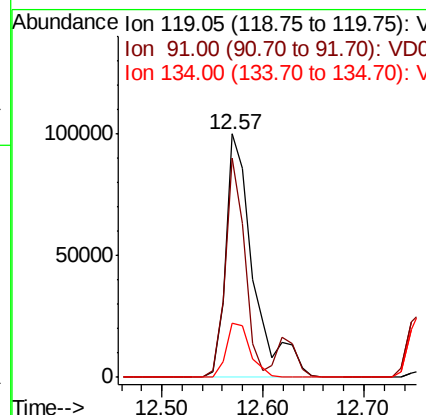
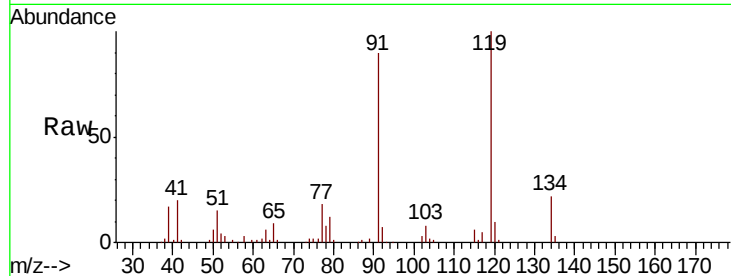




#83
 tert-Butylbenzene
 Concen: 19.71 ug/l
 RT: 12.57 min Scan# 1255
 Delta R.T. -0.00 min
 Lab File: VD059790.D
 Acq: 15 Aug 2018 4:37

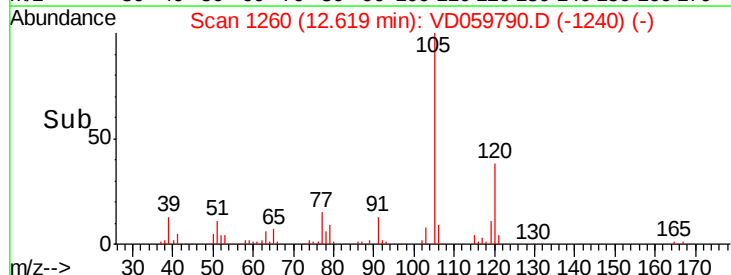
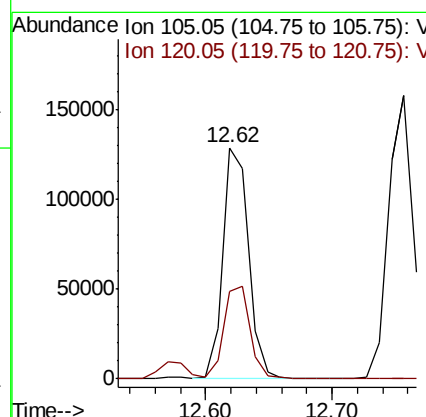
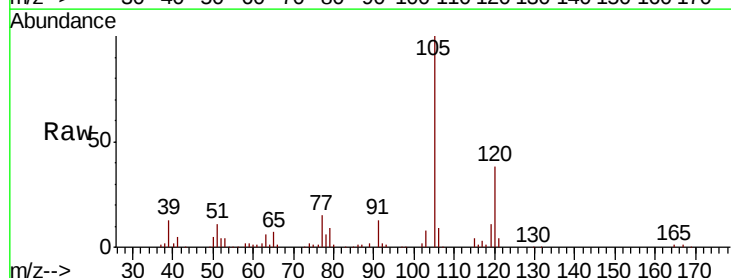
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0815SBSD01

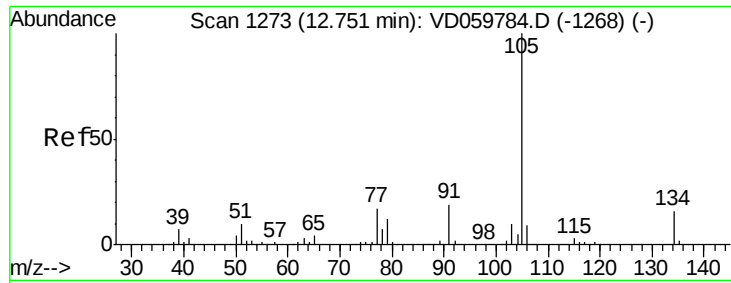
Tot Ion	Ratio	Lower	Upper
119	100		
91	89.9	43.1	129.3
134	22.4	11.2	33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 19.35 ug/l
 RT: 12.62 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VD059790.D
 Acq: 15 Aug 2018 4:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	37.9	19.6	58.8

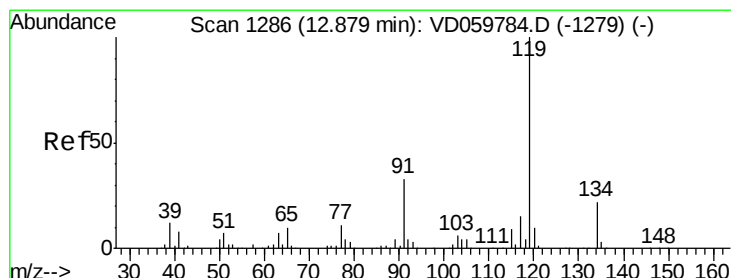
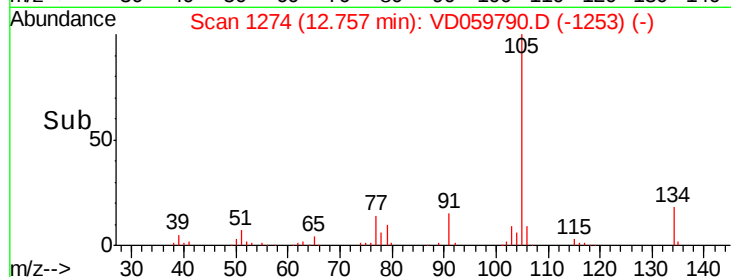
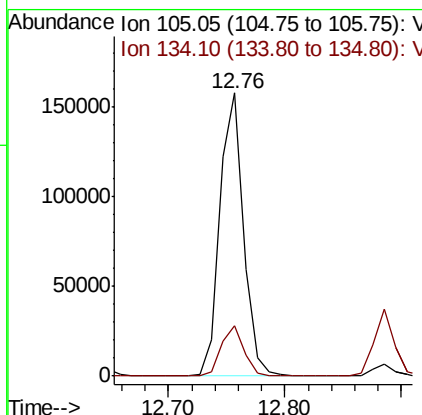
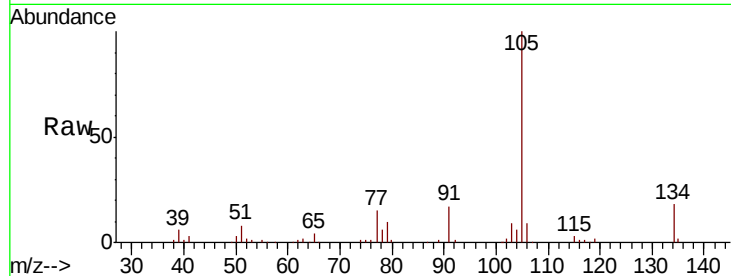




#85
 sec-Butylbenzene
 Concen: 19.83 ug/l
 RT: 12.76 min Scan# 1274
 Delta R.T. 0.01 min
 Lab File: VD059790.D
 Acq: 15 Aug 2018 4:37

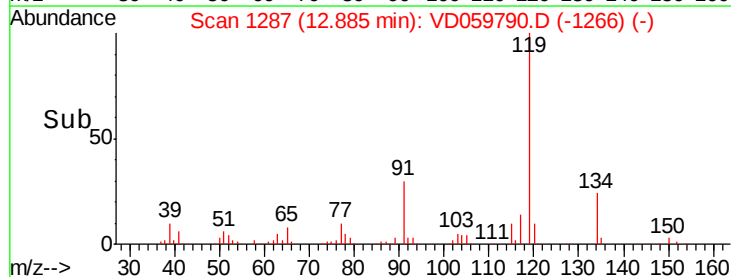
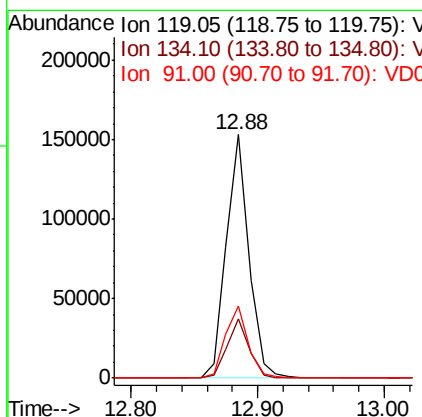
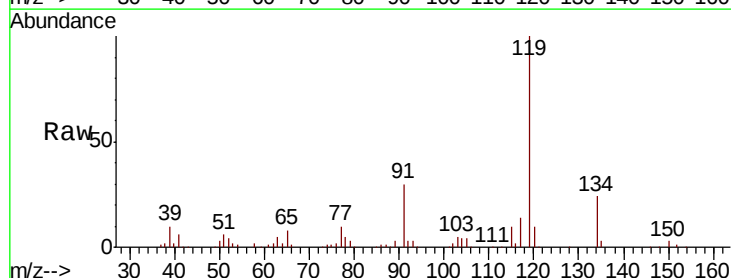
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0815SBSD01

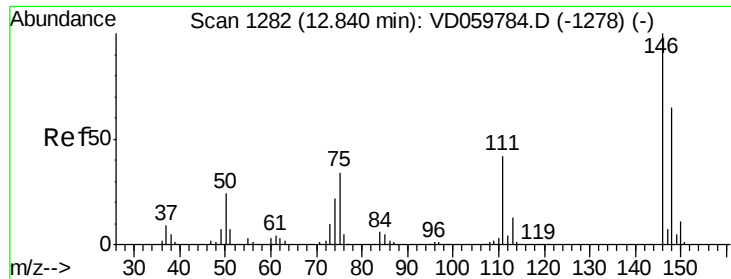
Tot Ion:105 Resp: 221757
 Ion Ratio Lower Upper
 105 100
 134 18.0 8.2 24.4



#86
 p-Isopropyltoluene
 Concen: 20.17 ug/l
 RT: 12.88 min Scan# 1287
 Delta R.T. 0.01 min
 Lab File: VD059790.D
 Acq: 15 Aug 2018 4:37

Tgt Ion:119 Resp: 188751
 Ion Ratio Lower Upper
 119 100
 134 24.5 10.9 32.6
 91 29.8 16.4 49.4

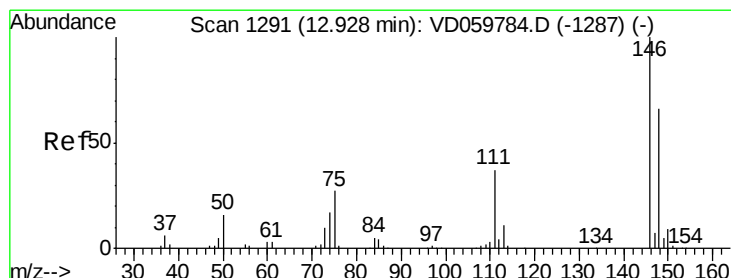
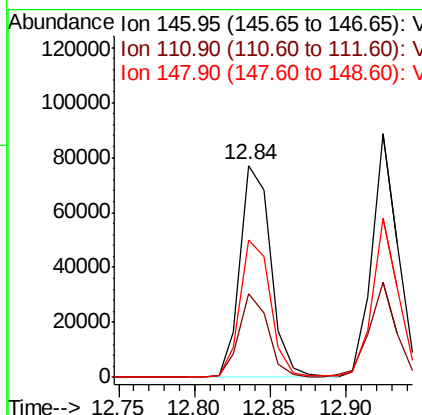
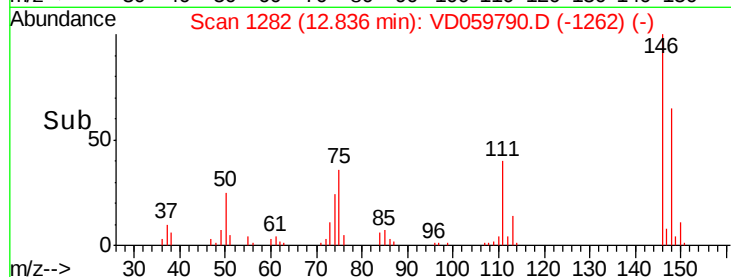
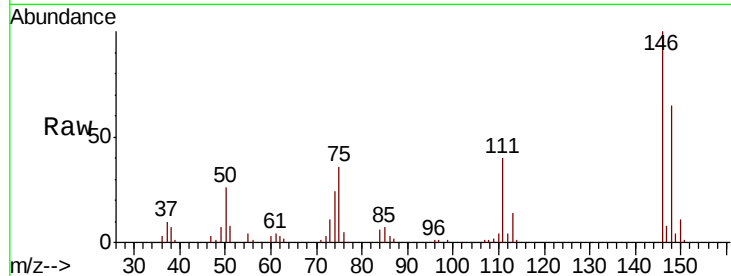




#87
 1,3-Dichlorobenzene
 Concen: 19.50 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VD059790.D
 Acq: 15 Aug 2018 4:37

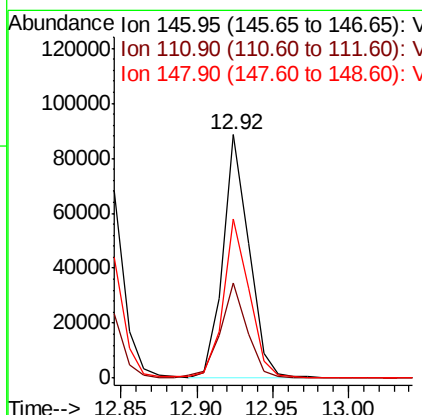
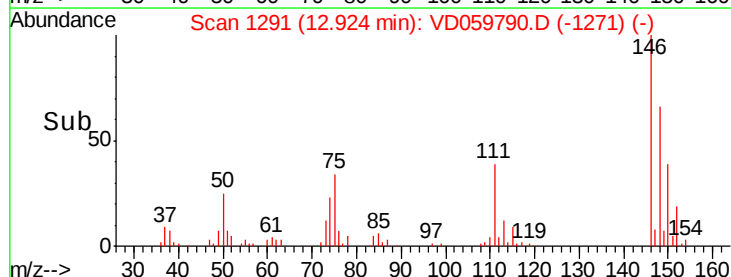
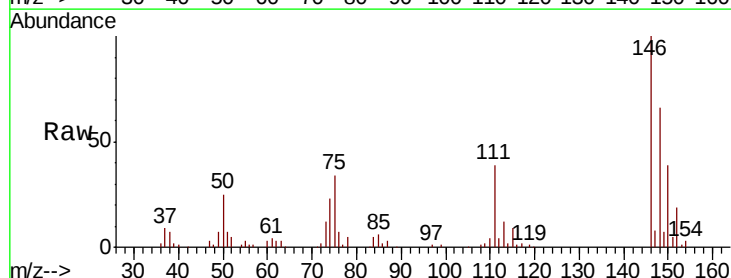
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0815SBS01

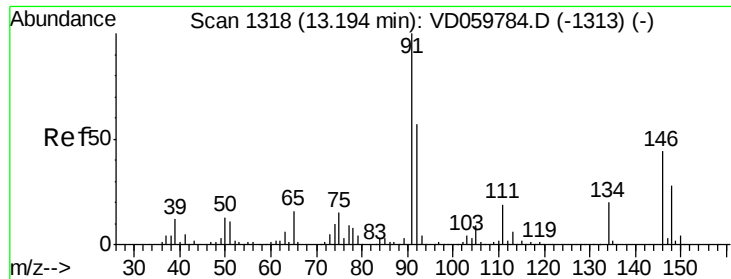
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.9	62.8
148	64.9	32.6	97.8



#88
 1,4-Dichlorobenzene
 Concen: 19.29 ug/l
 RT: 12.92 min Scan# 1291
 Delta R.T. -0.00 min
 Lab File: VD059790.D
 Acq: 15 Aug 2018 4:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	18.6	55.6
148	65.5	33.0	99.0

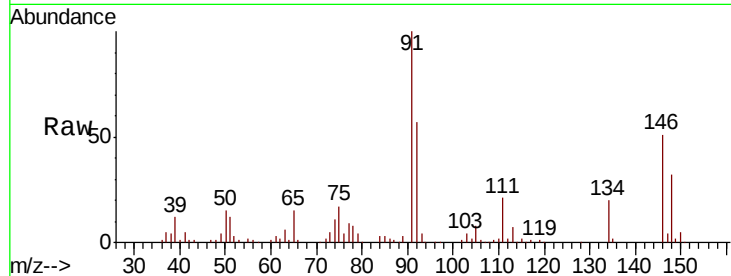




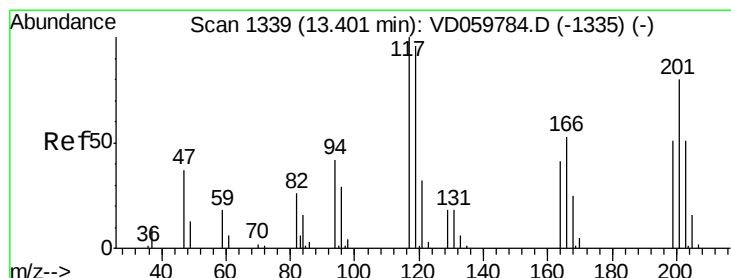
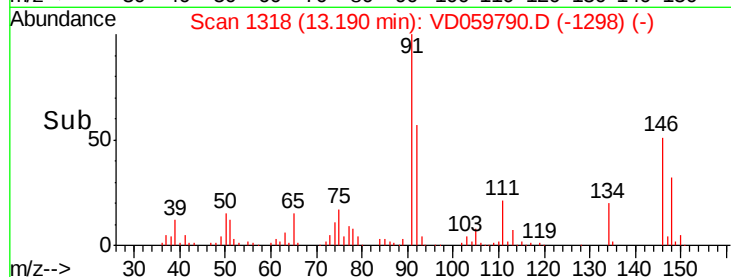
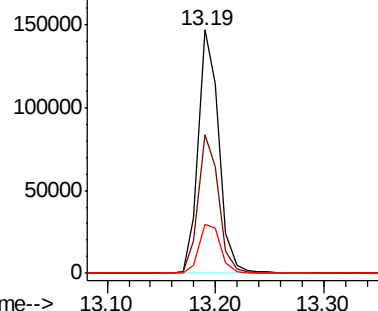
#89
n-Butylbenzene
Concen: 20.61 ug/l
RT: 13.19 min Scan# 1318
Delta R.T. -0.00 min
Lab File: VD059790.D
Acq: 15 Aug 2018 4:37

Instrument :
MSVOA_D
ClientSampleId :
VD0815SBS01

Tot Ion: 91 Resp: 194933
Ion Ratio Lower Upper
91 100
92 57.2 28.4 85.3
134 20.2 10.2 30.4

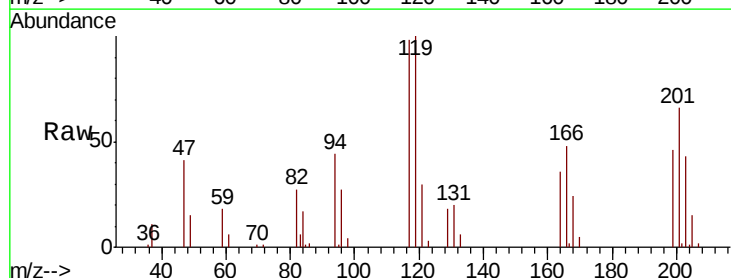


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V
Ion 134.10 (133.80 to 134.80): V

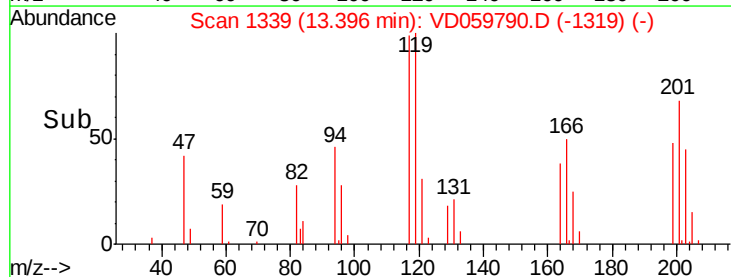
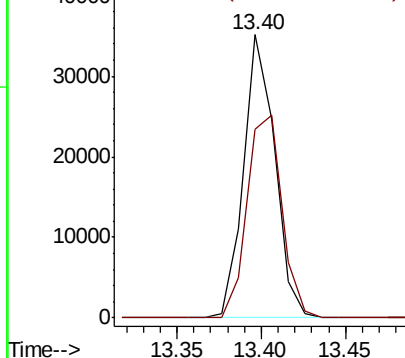


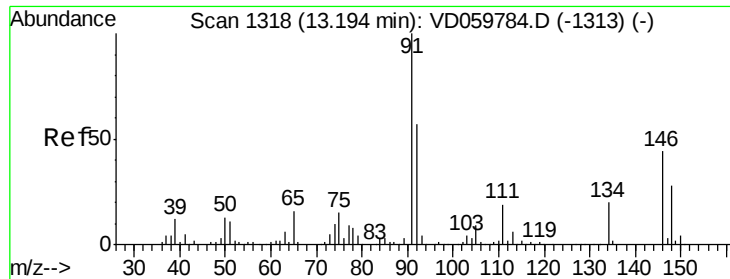
#90
Hexachloroethane
Concen: 19.21 ug/l
RT: 13.40 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VD059790.D
Acq: 15 Aug 2018 4:37

Tgt Ion: 117 Resp: 45111
Ion Ratio Lower Upper
117 100
201 66.7 39.9 119.7



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

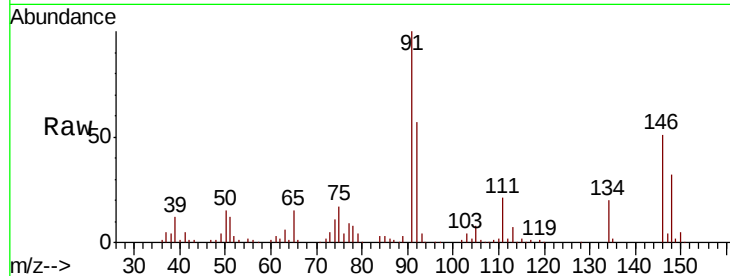




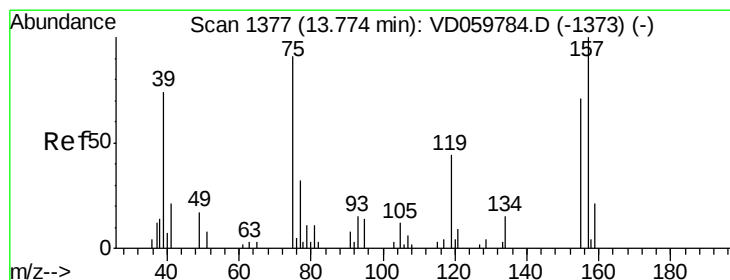
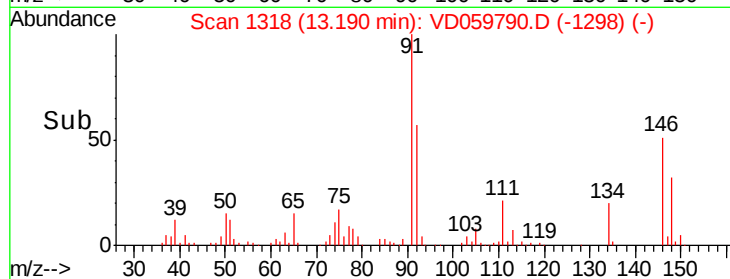
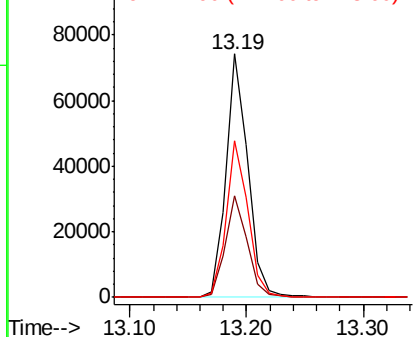
#91
1,2-Dichlorobenzene
Concen: 20.97 ug/l
RT: 13.19 min Scan# 1318
Delta R.T. -0.00 min
Lab File: VD059790.D
Acq: 15 Aug 2018 4:37

Instrument :
MSVOA_D
ClientSampleId :
VD0815SBSD01

Tot Ion:146 Resp: 96368
Ion Ratio Lower Upper
146 100
111 41.8 21.1 63.1
148 64.1 32.0 96.2

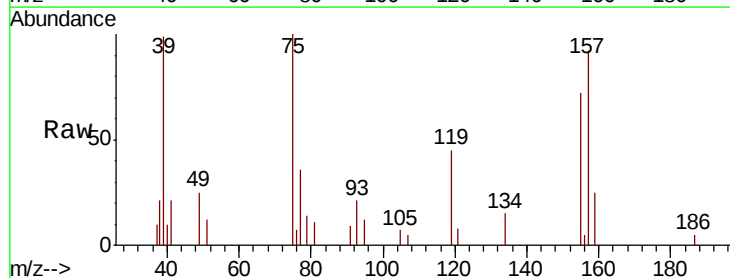


Abundance Ion 145.95 (145.65 to 146.65): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

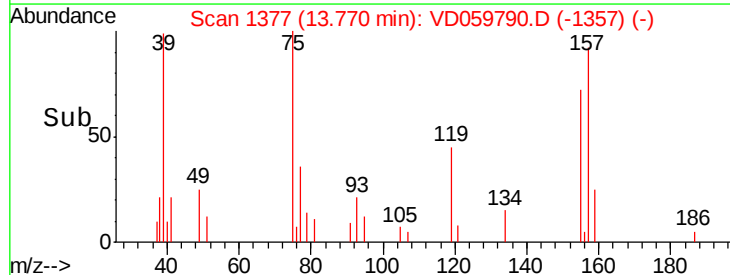
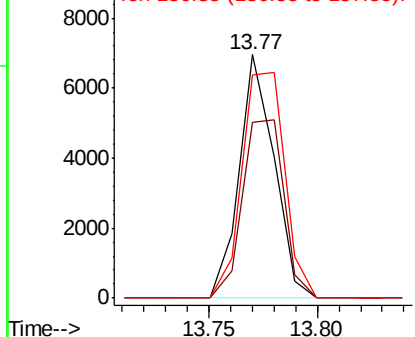


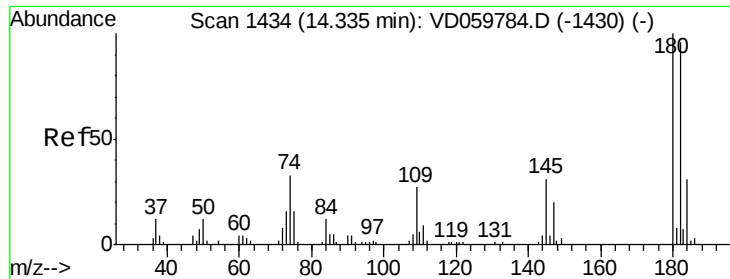
#92
1,2-Dibromo-3-Chloropropane
Concen: 19.87 ug/l
RT: 13.77 min Scan# 1377
Delta R.T. -0.00 min
Lab File: VD059790.D
Acq: 15 Aug 2018 4:37

Tgt Ion: 75 Resp: 7849
Ion Ratio Lower Upper
75 100
155 72.3 39.0 117.0
157 91.9 54.8 164.3



Abundance Ion 75.00 (74.70 to 75.70): V
Ion 154.90 (154.60 to 155.60): V
Ion 156.85 (156.55 to 157.55): V

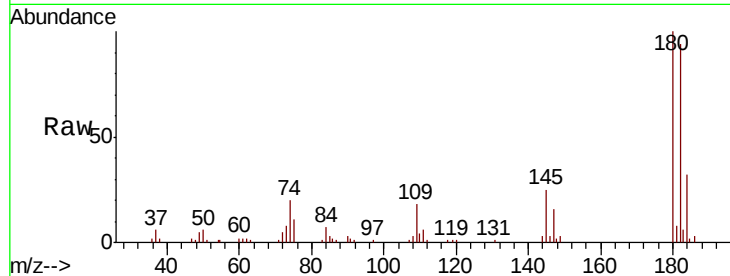




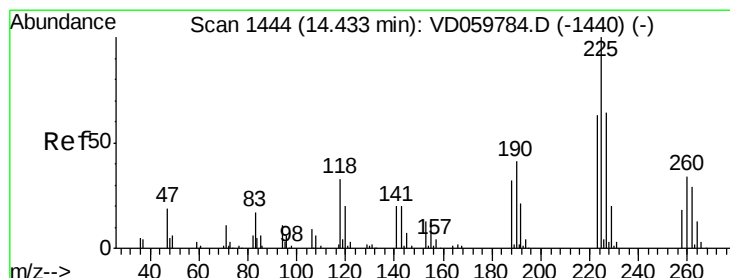
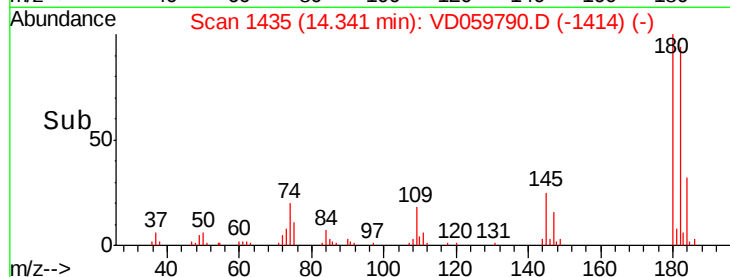
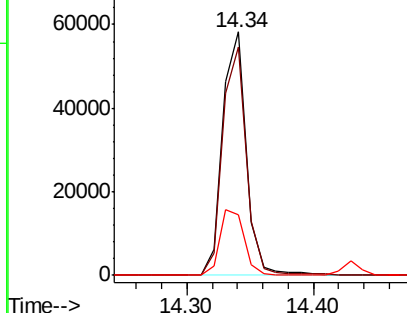
#93
 1,2,4-Trichlorobenzene
 Concen: 19.67 ug/l
 RT: 14.34 min Scan# 1435
 Delta R.T. 0.01 min
 Lab File: VD059790.D
 Acq: 15 Aug 2018 4:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0815SBS01

Tot Ion:180 Resp: 75570
 Ion Ratio Lower Upper
 180 100
 182 93.8 48.0 144.0
 145 25.1 15.5 46.5

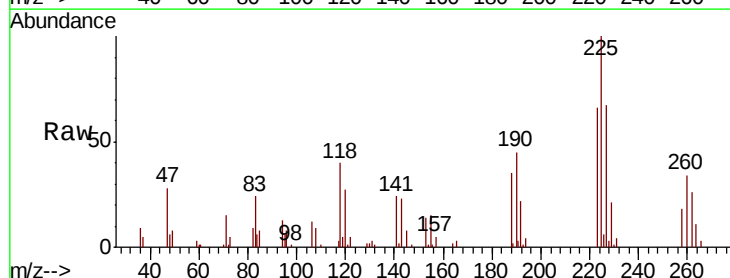


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

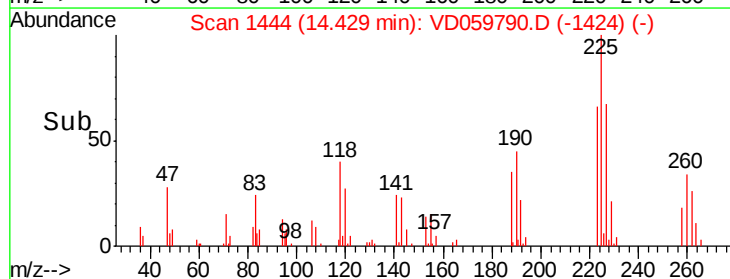
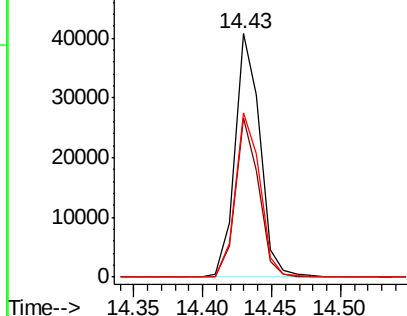


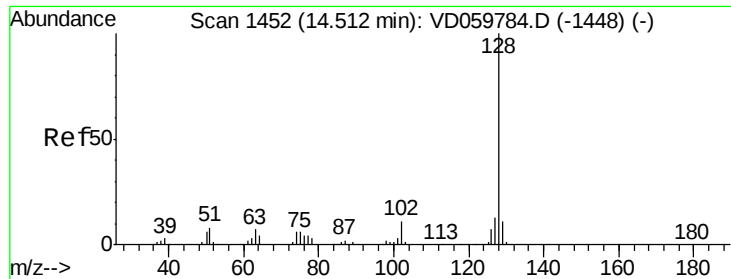
#94
 Hexachlorobutadiene
 Concen: 18.14 ug/l
 RT: 14.43 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: VD059790.D
 Acq: 15 Aug 2018 4:37

Tgt Ion:225 Resp: 51465
 Ion Ratio Lower Upper
 225 100
 223 65.5 31.4 94.2
 227 67.5 32.1 96.5



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

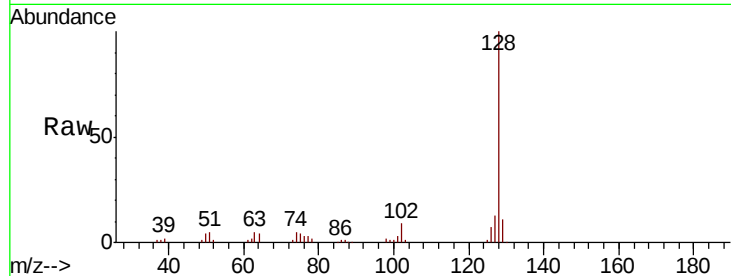




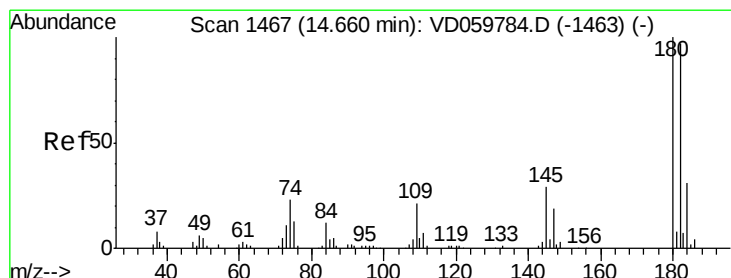
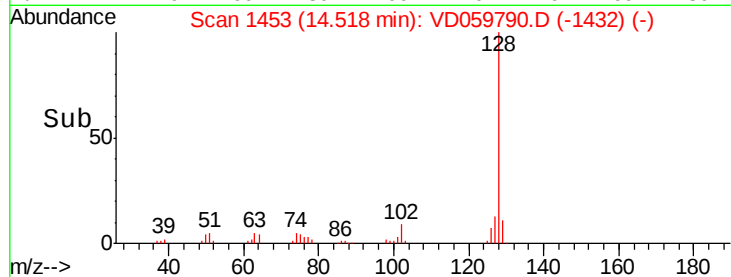
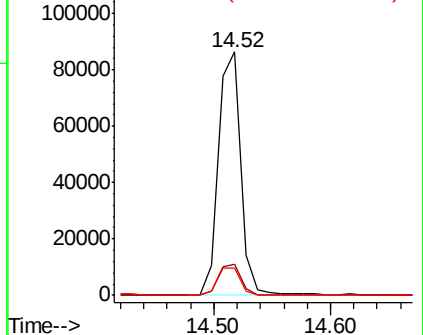
#95
Naphthalene
Concen: 19.47 ug/l
RT: 14.52 min Scan# 1453
Delta R.T. 0.01 min
Lab File: VD059790.D
Acq: 15 Aug 2018 4:37

Instrument :
MSVOA_D
ClientSampleId :
VD0815SBSD01

Tot Ion:128 Resp: 114517
Ion Ratio Lower Upper
128 100
127 12.8 10.3 15.5
129 11.0 9.1 13.7

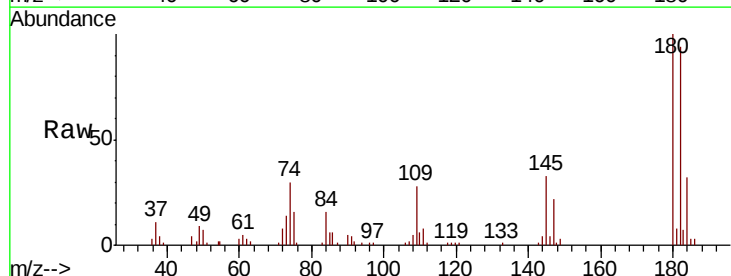


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 17.95 ug/l
RT: 14.66 min Scan# 1467
Delta R.T. -0.00 min
Lab File: VD059790.D
Acq: 15 Aug 2018 4:37

Tgt Ion:180 Resp: 60848
Ion Ratio Lower Upper
180 100
182 94.3 48.5 145.5
145 33.1 14.3 42.9



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

