

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081518\
 Data File : VD059785.D
 Acq On : 15 Aug 2018 1:19
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Quant Time: Aug 15 08:12:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D081518S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 15 08:11:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	267570	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	370216	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	301613	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	160475	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.02	65	249313	61.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.52%	
35) Dibromofluoromethane	5.54	113	230841	62.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	124.50%	
50) Toluene-d8	8.70	98	541391	71.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	142.82%	
62) 4-Bromofluorobenzene	11.93	95	240588	64.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	129.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.33	85	235444	61.07	ug/l	100
3) Chloromethane	1.47	50	143258	92.60	ug/l	94
4) Vinyl Chloride	1.55	62	152898	80.42	ug/l	99
5) Bromomethane	1.79	94	45831	58.43	ug/l	93
6) Chloroethane	1.88	64	61068	64.65	ug/l	97
7) Trichlorofluoromethane	2.08	101	219813	56.14	ug/l	99
8) Diethyl Ether	2.34	74	45034	70.56	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.55	101	119727	59.05	ug/l	94
10) Methyl Iodide	2.68	142	153496	70.04	ug/l	92
11) Tert butyl alcohol	3.25	59	44491	313.47	ug/l	96
12) 1,1-Dichloroethene	2.54	96	90971	62.51	ug/l	98
13) Acrolein	2.47	56	39906	432.35	ug/l	86
14) Allyl chloride	2.92	41	222916	68.46	ug/l	98
15) Acrylonitrile	3.35	53	156843	428.41	ug/l	97
16) Acetone	2.60	43	204411	318.26	ug/l	99
17) Carbon Disulfide	2.75	76	328447	67.82	ug/l	98
18) Methyl Acetate	2.93	43	82180	62.86	ug/l	93
19) Methyl tert-butyl Ether	3.40	73	421379	72.16	ug/l	100
20) Methylene Chloride	3.07	84	105342	55.26	ug/l	97
21) trans-1,2-Dichloroethene	3.38	96	174133	87.14	ug/l	98
22) Diisopropyl ether	4.07	45	595604	90.28	ug/l	98
23) Vinyl Acetate	4.01	43	1690867	393.33	ug/l	99
24) 1,1-Dichloroethane	3.97	63	348108	74.45	ug/l	100
25) 2-Butanone	4.83	43	322515	433.57	ug/l	99
26) 2,2-Dichloropropane	4.80	77	321204	61.11	ug/l	100
27) cis-1,2-Dichloroethene	4.80	96	189077	80.04	ug/l	95
28) Bromochloromethane	5.14	49	139021	81.63	ug/l	98
29) Tetrahydrofuran	5.18	42	127882	450.88	ug/l	98
30) Chloroform	5.32	83	416359	68.67	ug/l	100
31) Cyclohexane	5.59	56	230317	82.36	ug/l	96
32) 1,1,1-Trichloroethane	5.51	97	384519	62.77	ug/l	98
36) 1,1-Dichloropropene	5.74	75	271411	65.04	ug/l	98
37) Ethyl Acetate	4.92	43	134422	72.44	ug/l	97
38) Carbon Tetrachloride	5.72	117	328449	51.77	ug/l	99

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Instrument :
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 ClientSampleID :
 VSTDIC075

Quant Time: Aug 15 08:12:08 2018
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.28	83	238137	74.49	ug/l	95
40) Benzene	6.01	78	560948	74.18	ug/l	99
41) Methacrylonitrile	5.12	41	65378	72.37	ug/l	93
42) 1,2-Dichloroethane	6.12	62	317583	56.92	ug/l	100
43) Isopropyl Acetate	7.61	43	178301	75.66	ug/l #	97
44) Trichloroethene	6.98	130	199550	67.96	ug/l	100
45) 1,2-Dichloropropane	7.34	63	150541	77.18	ug/l	98
46) Dibromomethane	7.45	93	119227	61.26	ug/l	93
47) Bromodichloromethane	7.74	83	306365	60.12	ug/l	97
48) Methyl methacrylate	7.50	41	119556	70.70	ug/l	95
49) 1,4-Dioxane	7.48	88	20865	1732.73	ug/l	98
51) 4-Methyl-2-Pentanone	8.59	43	699834	385.99	ug/l	98
52) Toluene	8.80	92	353902	72.67	ug/l	97
53) t-1,3-Dichloropropene	9.18	75	255949	62.22	ug/l	99
54) cis-1,3-Dichloropropene	8.36	75	267980	65.55	ug/l	98
55) 1,1,2-Trichloroethane	9.45	97	131332	69.51	ug/l	95
56) Ethyl methacrylate	9.31	69	151600	70.41	ug/l	99
57) 1,3-Dichloropropane	9.67	76	207830	67.22	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.19	63	338242	342.11	ug/l	99
59) 2-Hexanone	9.78	43	514042	385.10	ug/l	98
60) Dibromochloromethane	9.96	129	206692	59.43	ug/l	98
61) 1,2-Dibromoethane	10.09	107	150928	65.61	ug/l	97
64) Tetrachloroethene	9.51	164	188302	65.30	ug/l	98
65) Chlorobenzene	10.72	112	433773	71.07	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.85	131	178542	59.91	ug/l	99
67) Ethyl Benzene	10.86	91	760753	67.44	ug/l	96
68) m/p-Xylenes	11.01	106	482191	130.51	ug/l	98
69) o-Xylene	11.41	106	234194	65.61	ug/l	90
70) Styrene	11.43	104	418468	70.73	ug/l	97
71) Bromoform	11.59	173	140370	63.06	ug/l #	97
73) Isopropylbenzene	11.77	105	711598	65.98	ug/l	100
74) N-amyl acetate	11.64	43	237982	76.46	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.08	83	152446	76.32	ug/l	100
76) 1,2,3-Trichloropropane	12.11	75	162713	70.26	ug/l	100
77) Bromobenzene	12.04	156	212758	67.50	ug/l	86
78) n-propylbenzene	12.16	91	910376	69.24	ug/l	99
79) 2-Chlorotoluene	12.21	91	545914	65.74	ug/l	98
80) 1,3,5-Trimethylbenzene	12.32	105	587833	63.52	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.84	75	43868	81.83	ug/l	87
82) 4-Chlorotoluene	12.32	91	599949	61.97	ug/l	93
83) tert-Butylbenzene	12.58	119	640845	63.45	ug/l	93
84) 1,2,4-Trimethylbenzene	12.63	105	616440	64.47	ug/l	100
85) sec-Butylbenzene	12.76	105	724961	66.85	ug/l	100
86) p-Isopropyltoluene	12.88	119	620924	64.09	ug/l	96
87) 1,3-Dichlorobenzene	12.84	146	369119	69.22	ug/l	98
88) 1,4-Dichlorobenzene	12.92	146	360536	67.08	ug/l	95
89) n-Butylbenzene	13.20	91	611149	63.21	ug/l	96
90) Hexachloroethane	13.39	117	167019	67.15	ug/l	78
91) 1,2-Dichlorobenzene	13.19	146	294143	64.40	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.77	75	29981	63.37	ug/l	80

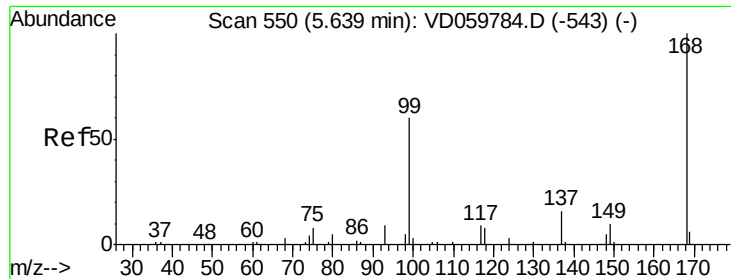
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081518\
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Instrument :
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ClientSampleId :
VSTDICC075

Quant Time: Aug 15 08:12:08 2018
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Quant Title : SW846 8260
QLast Update : Wed Aug 15 08:11:18 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	259722	61.20	ug/l	97
94) Hexachlorobutadiene	14.44	225	188053	54.10	ug/l	99
95) Naphthalene	14.52	128	403977	69.77	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	220204	60.77	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.63 min Scan# 550

Delta R.T. -0.01 min

Lab File: VD059785.D

Acq: 15 Aug 2018 1:19

Instrument :

MSVOA_D

ClientSampleId :

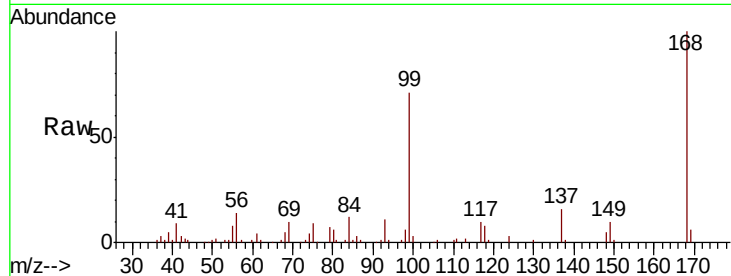
VSTDIC075

Tot Ion:168 Resp: 267570

Ion Ratio Lower Upper

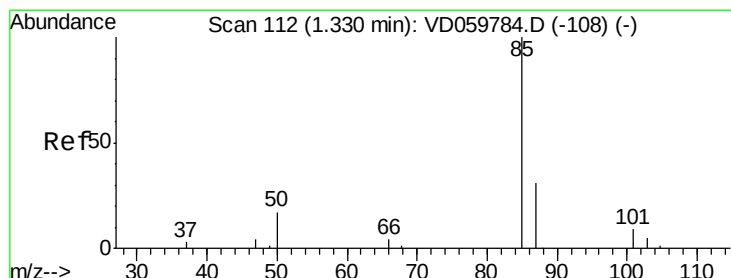
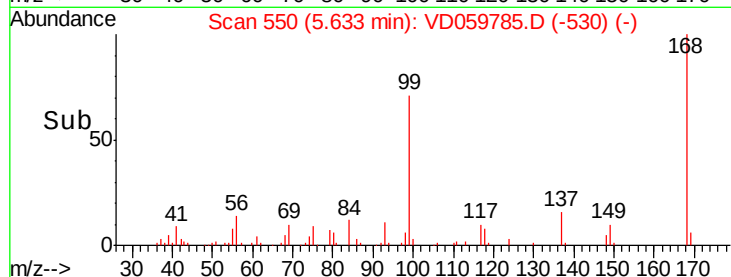
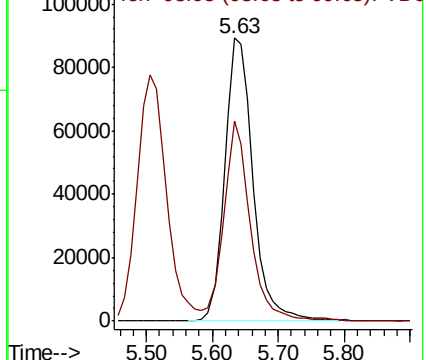
168 100

99 70.9 50.3 75.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 61.07 ug/l

RT: 1.33 min Scan# 113

Delta R.T. 0.00 min

Lab File: VD059785.D

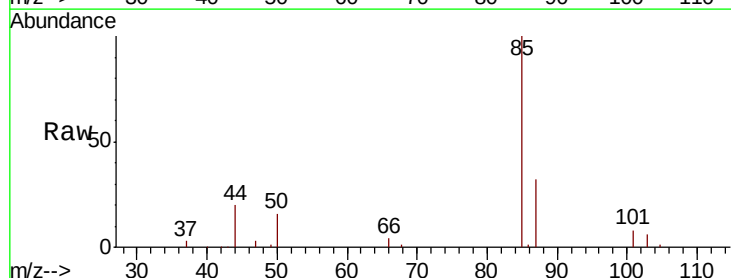
Acq: 15 Aug 2018 1:19

Tgt Ion: 85 Resp: 235444

Ion Ratio Lower Upper

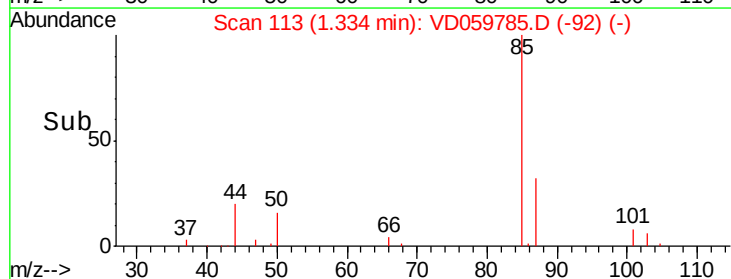
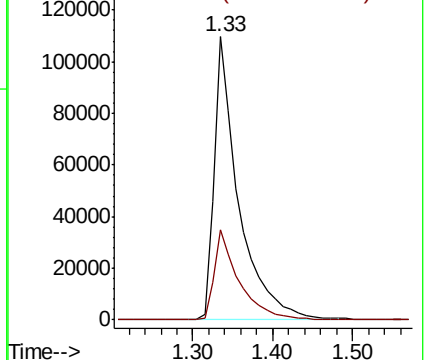
85 100

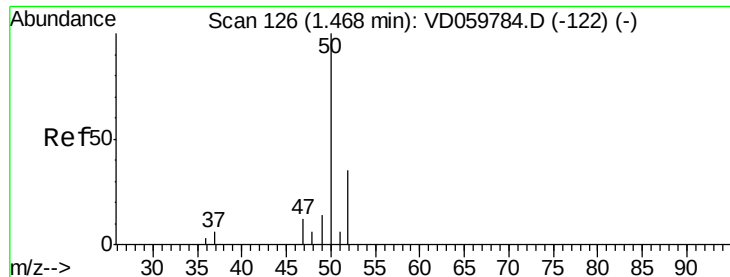
87 31.6 15.7 47.1



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 92.60 ug/l

RT: 1.47 min Scan# 127

Delta R.T. 0.00 min

Lab File: VD059785.D

Acq: 15 Aug 2018 1:19

Instrument :

MSVOA_D

ClientSampleId :

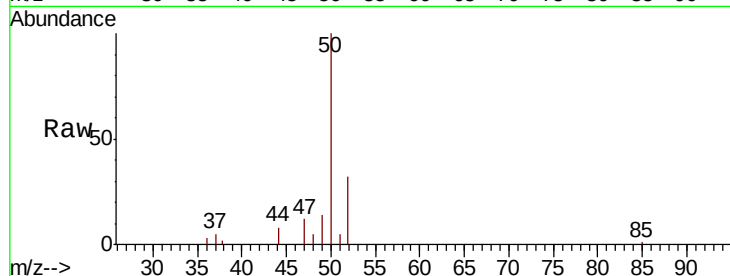
VSTDIC075

Tot Ion: 50 Resp: 143258

Ion Ratio Lower Upper

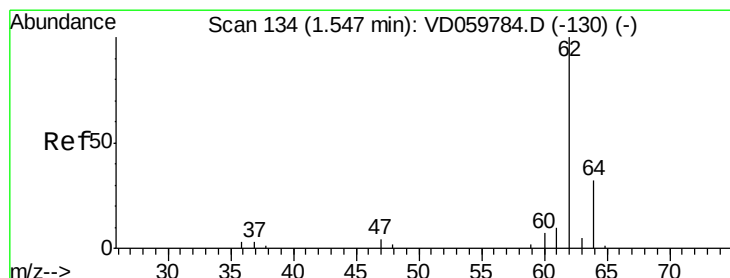
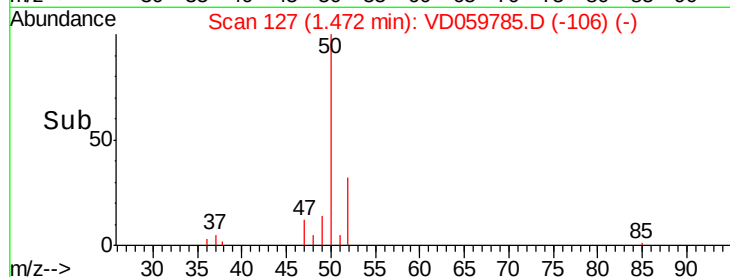
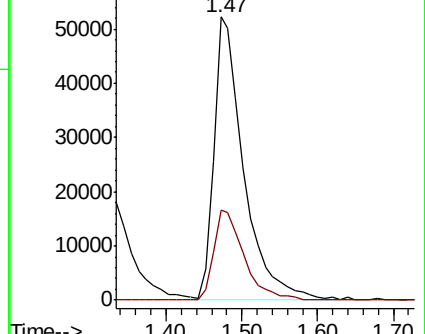
50 100

52 31.8 28.4 42.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 80.42 ug/l

RT: 1.55 min Scan# 135

Delta R.T. 0.00 min

Lab File: VD059785.D

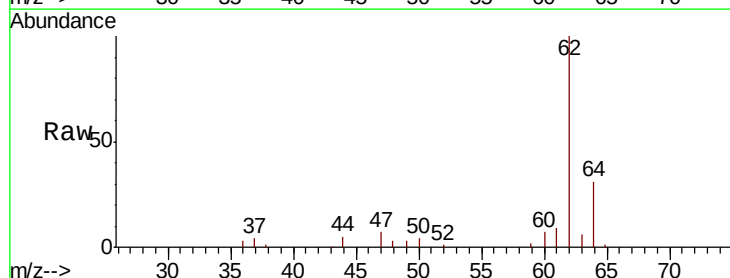
Acq: 15 Aug 2018 1:19

Tgt Ion: 62 Resp: 152898

Ion Ratio Lower Upper

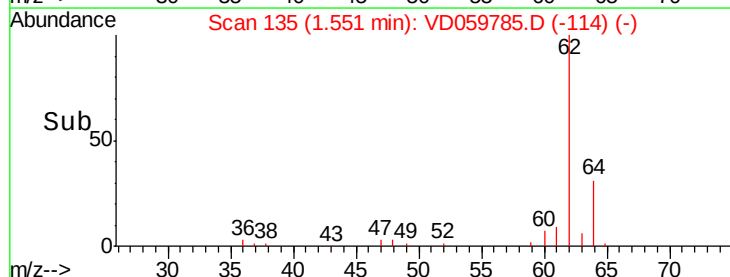
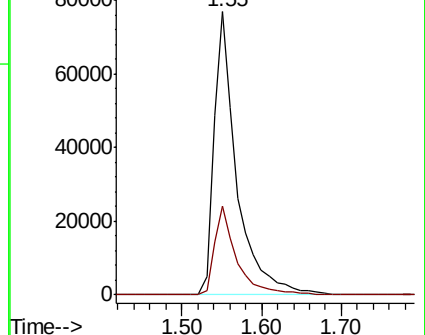
62 100

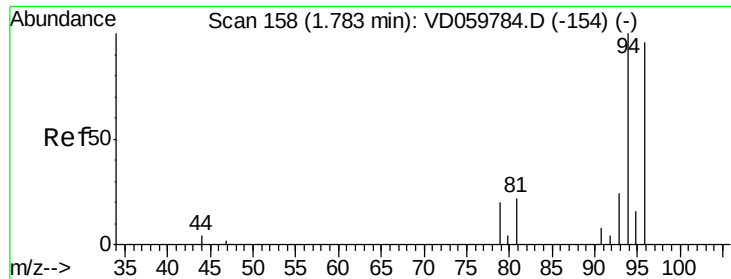
64 31.5 25.5 38.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

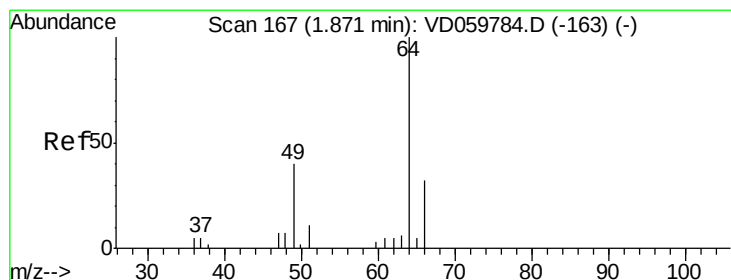
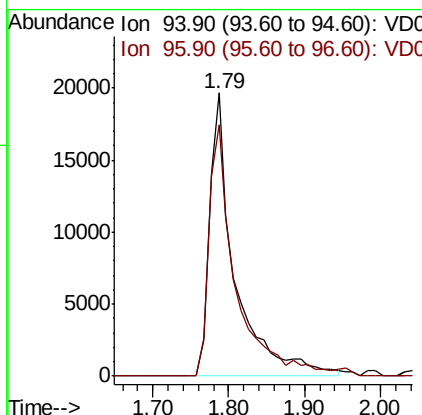
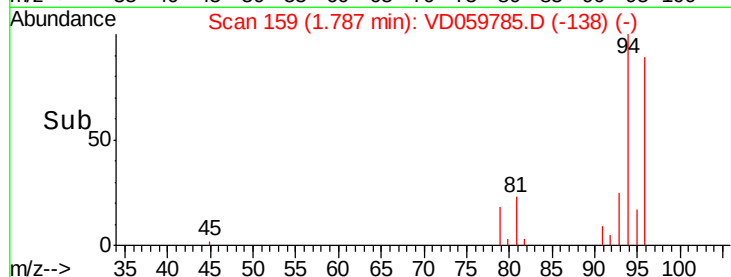
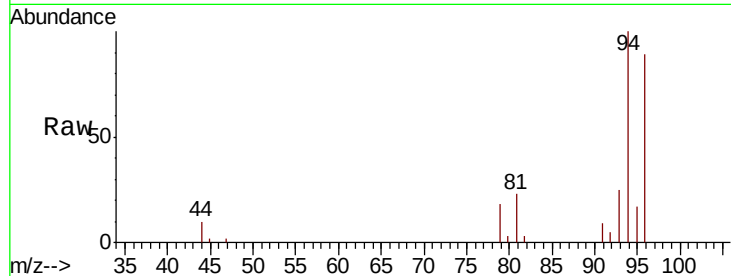




#5
Bromomethane
Concen: 58.43 ug/l
RT: 1.79 min Scan# 159
Delta R.T. 0.00 min
Lab File: VD059785.D
Acq: 15 Aug 2018 1:19

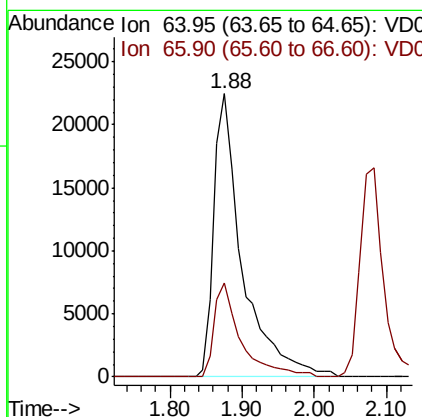
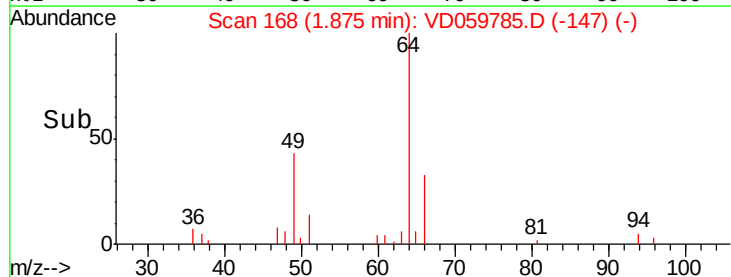
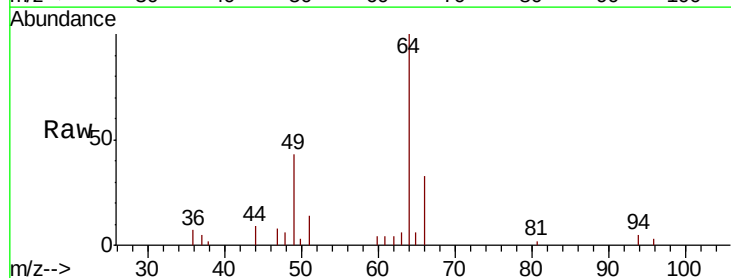
Instrument :
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ClientSampleId :
VSTDIC075

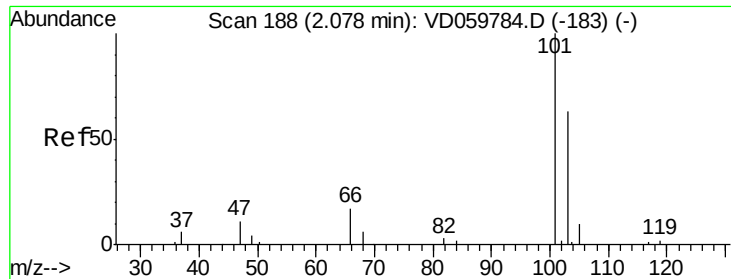
Tot Ion: 94 Resp: 45831
Ion Ratio Lower Upper
94 100
96 88.7 76.7 115.1



#6
Chloroethane
Concen: 64.65 ug/l
RT: 1.88 min Scan# 168
Delta R.T. 0.00 min
Lab File: VD059785.D
Acq: 15 Aug 2018 1:19

Tgt Ion: 64 Resp: 61068
Ion Ratio Lower Upper
64 100
66 33.4 25.4 38.2





#7

Trichlorofluoromethane

Concen: 56.14 ug/l

RT: 2.08 min Scan# 189

Delta R.T. 0.00 min

Lab File: VD059785.D

Acq: 15 Aug 2018 1:19

Instrument :

MSVOA_D

ClientSampleId :

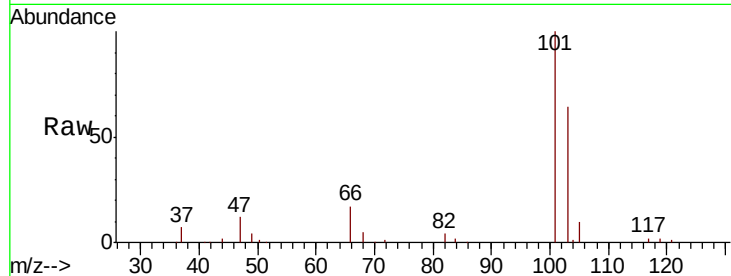
VSTDIC075

Tot Ion:101 Resp: 219813

Ion Ratio Lower Upper

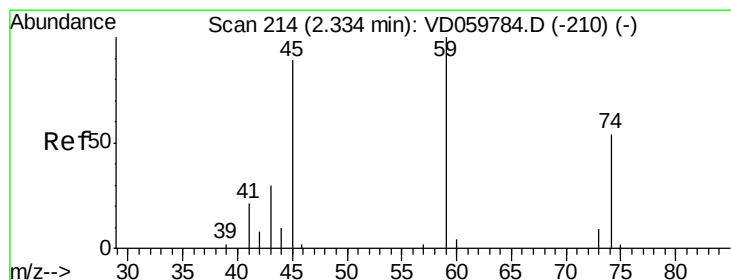
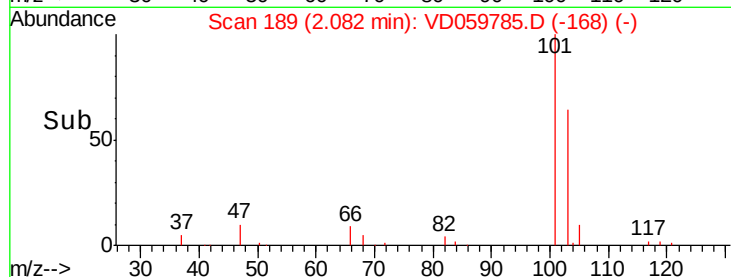
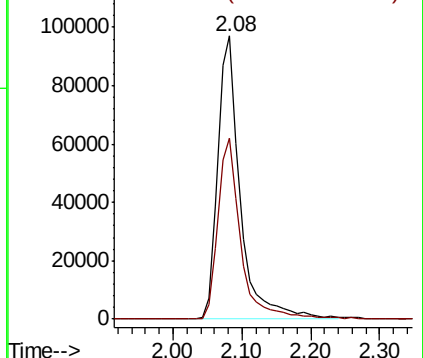
101 100

103 63.8 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: 70.56 ug/l

RT: 2.34 min Scan# 215

Delta R.T. 0.00 min

Lab File: VD059785.D

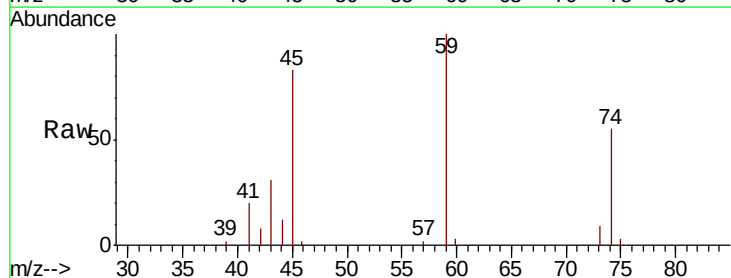
Acq: 15 Aug 2018 1:19

Tgt Ion: 74 Resp: 45034

Ion Ratio Lower Upper

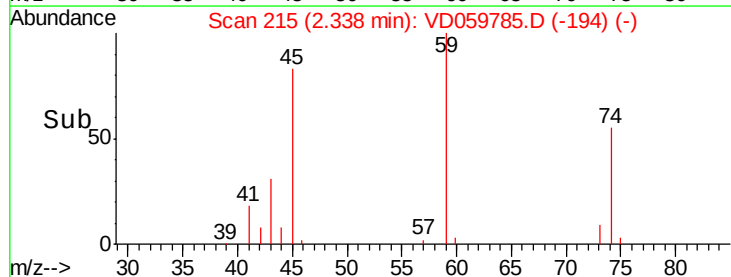
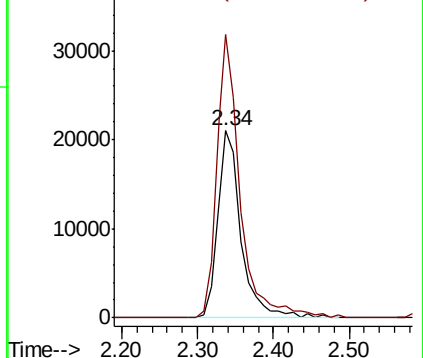
74 100

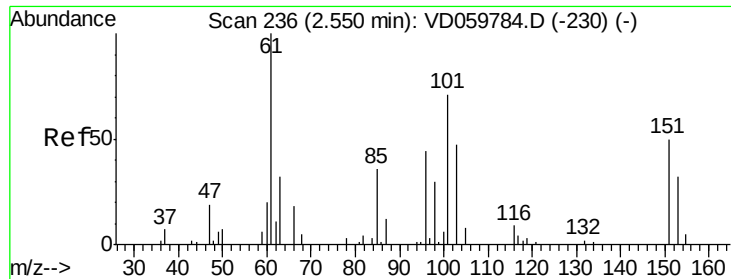
45 151.1 81.6 244.8



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: 59.05 ug/l

RT: 2.55 min Scan# 237

Delta R.T. 0.00 min

Lab File: VD059785.D

Acq: 15 Aug 2018 1:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

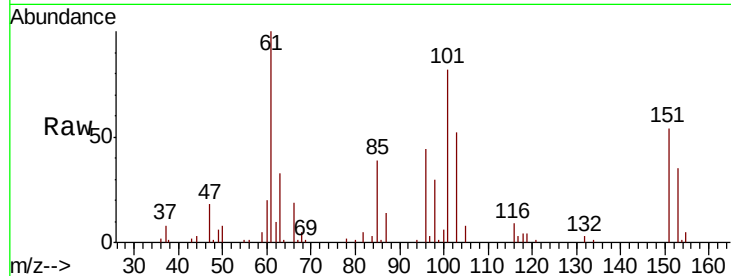
Tot Ion:101 Resp: 119727

Ion Ratio Lower Upper

101 100

85 47.1 40.6 61.0

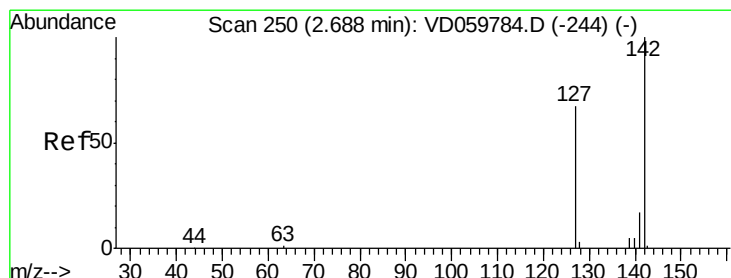
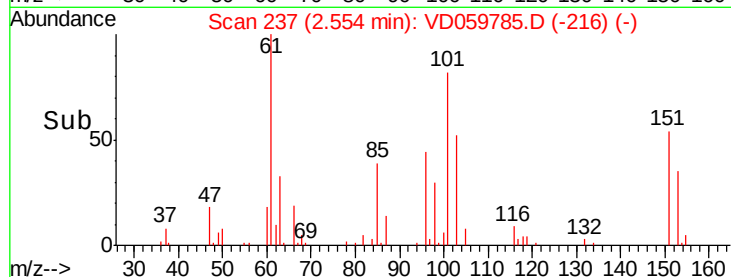
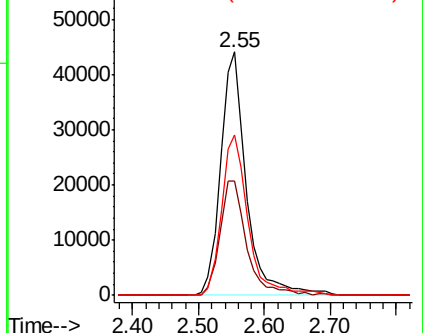
151 65.9 57.1 85.7



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: 70.04 ug/l

RT: 2.68 min Scan# 250

Delta R.T. -0.01 min

Lab File: VD059785.D

Acq: 15 Aug 2018 1:19

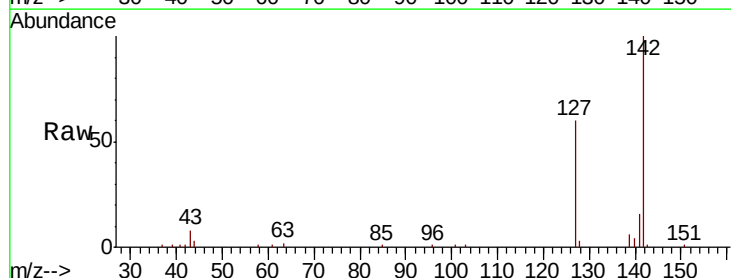
Tgt Ion:142 Resp: 153496

Ion Ratio Lower Upper

142 100

127 59.9 54.0 81.0

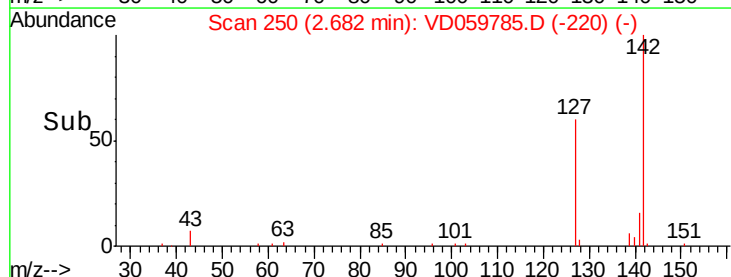
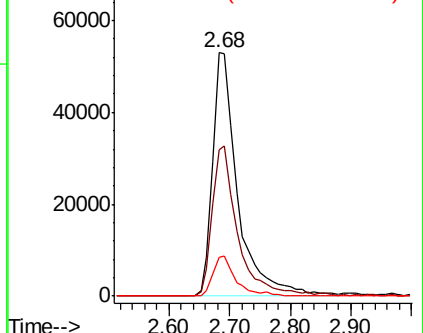
141 16.0 13.3 19.9

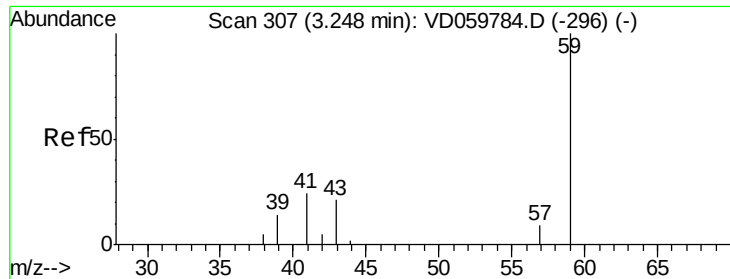


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



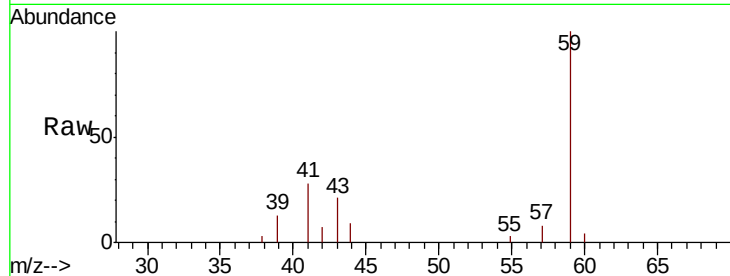


#11

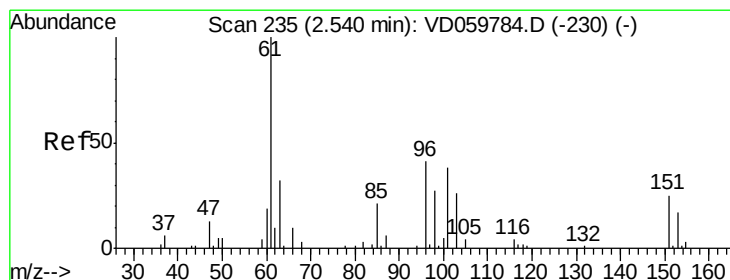
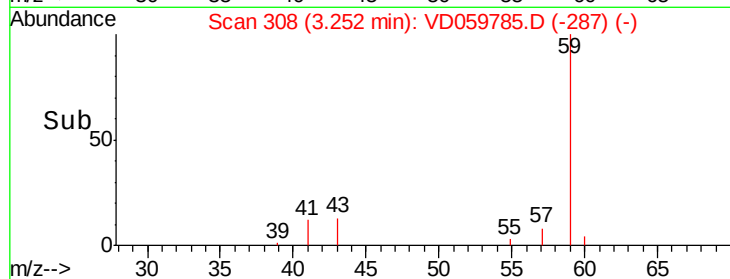
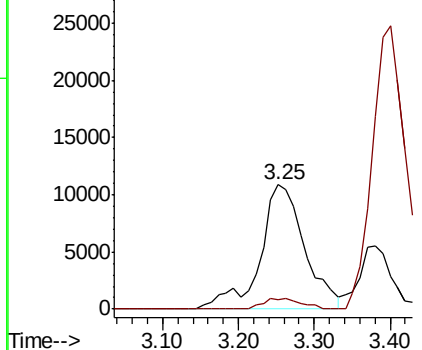
Tert butyl alcohol
Concen: 313.47 ug/l
RT: 3.25 min Scan# 308
Delta R.T. 0.00 min
Lab File: VD059785.D
Acq: 15 Aug 2018 1:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 59 Resp: 44491
Ion Ratio Lower Upper
59 100
57 7.9 7.5 11.3



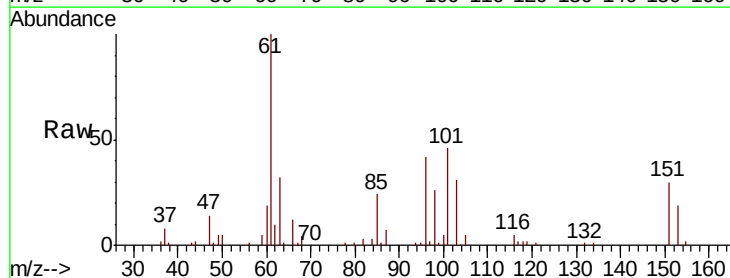
Abundance Ion 58.95 (58.65 to 59.65): VDC
Ion 56.95 (56.65 to 57.65): VDC



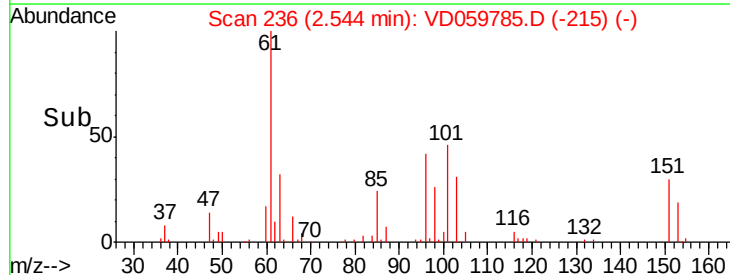
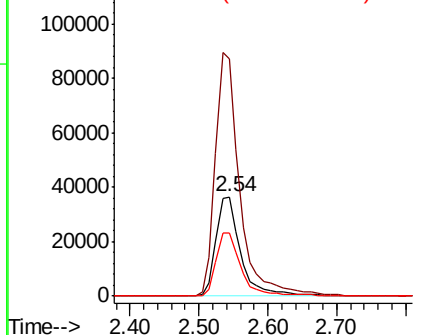
#12

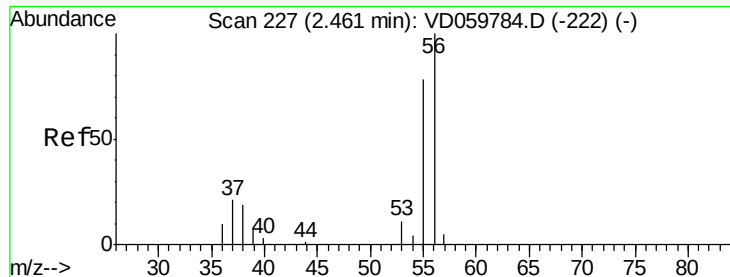
1,1-Dichloroethene
Concen: 62.51 ug/l
RT: 2.54 min Scan# 236
Delta R.T. 0.00 min
Lab File: VD059785.D
Acq: 15 Aug 2018 1:19

Tgt Ion: 96 Resp: 90971
Ion Ratio Lower Upper
96 100
61 239.1 194.1 291.1
98 63.3 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

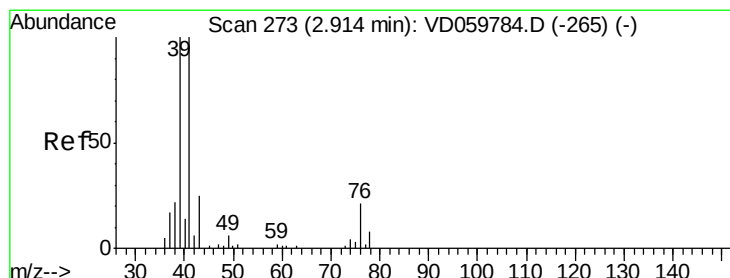
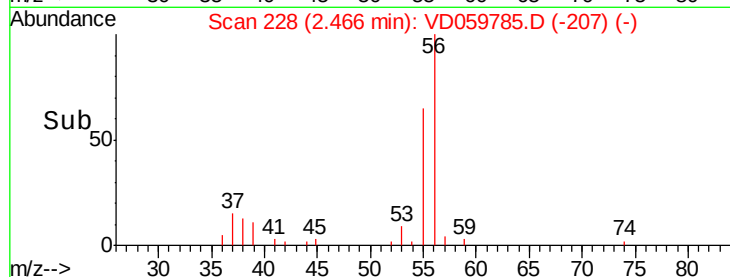
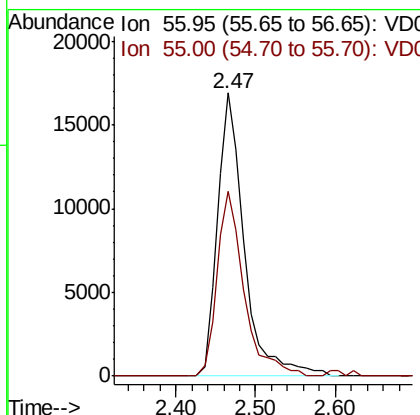
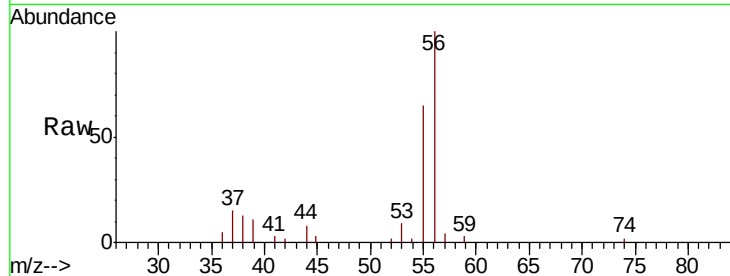




#13
 Acrolein
 Concen: 432.35 ug/l
 RT: 2.47 min Scan# 228
 Delta R.T. 0.00 min
 Lab File: VD059785.D
 Acq: 15 Aug 2018 1:19

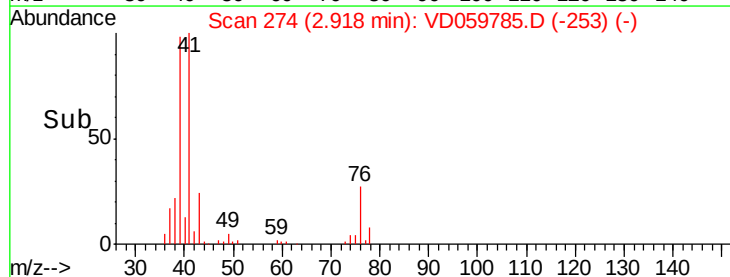
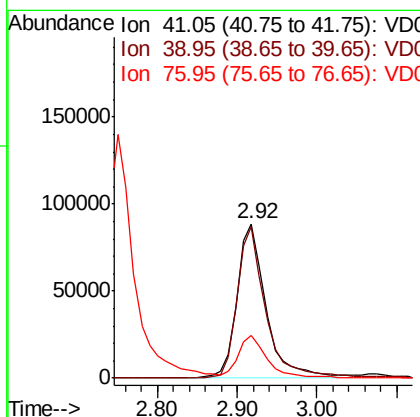
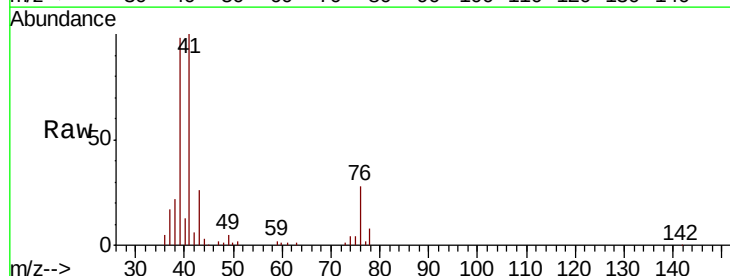
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

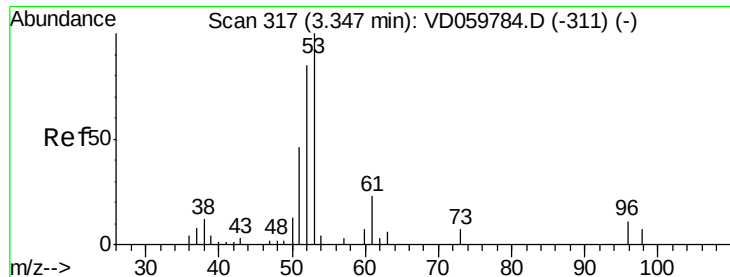
Tot Ion: 56 Resp: 39906
 Ion Ratio Lower Upper
 56 100
 55 65.2 62.2 93.2



#14
 Allyl chloride
 Concen: 68.46 ug/l
 RT: 2.92 min Scan# 274
 Delta R.T. 0.00 min
 Lab File: VD059785.D
 Acq: 15 Aug 2018 1:19

Tgt Ion: 41 Resp: 222916
 Ion Ratio Lower Upper
 41 100
 39 98.4 79.8 119.6
 76 27.9 20.4 30.6





#15

Acrylonitrile

Concen: 428.41 ug/l

RT: 3.35 min Scan# 318

Delta R.T. 0.00 min

Lab File: VD059785.D

Acq: 15 Aug 2018 1:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

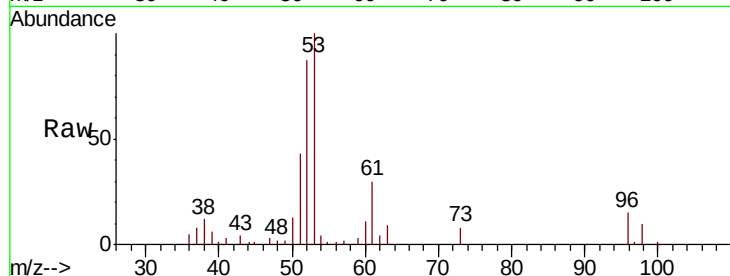
Tot Ion: 53 Resp: 156843

Ion Ratio Lower Upper

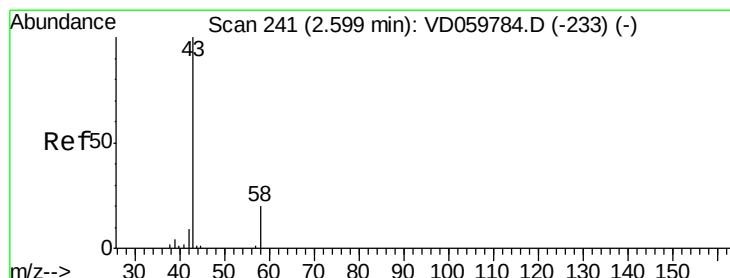
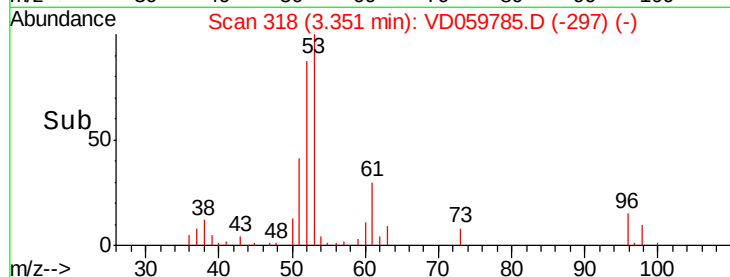
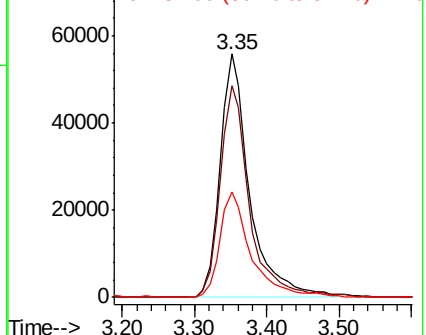
53 100

52 86.9 68.2 102.2

51 43.3 36.6 54.8



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



#16

Acetone

Concen: 318.26 ug/l

RT: 2.60 min Scan# 242

Delta R.T. 0.00 min

Lab File: VD059785.D

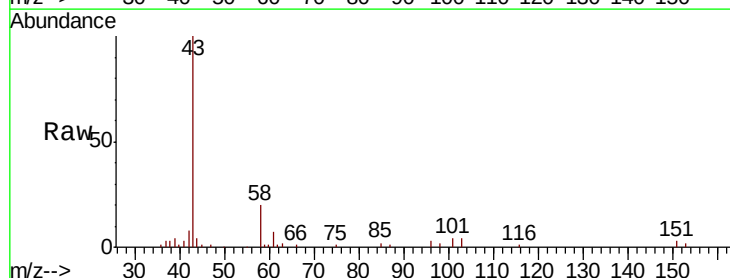
Acq: 15 Aug 2018 1:19

Tgt Ion: 43 Resp: 204411

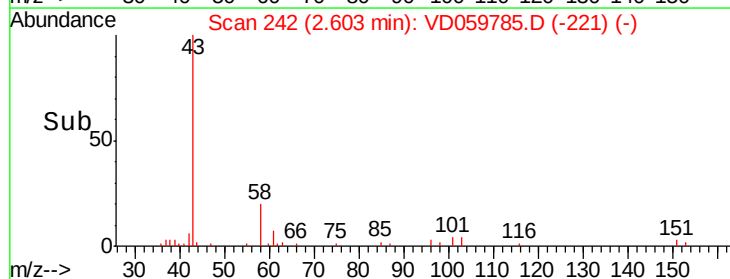
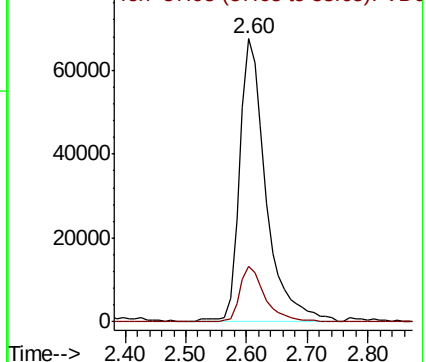
Ion Ratio Lower Upper

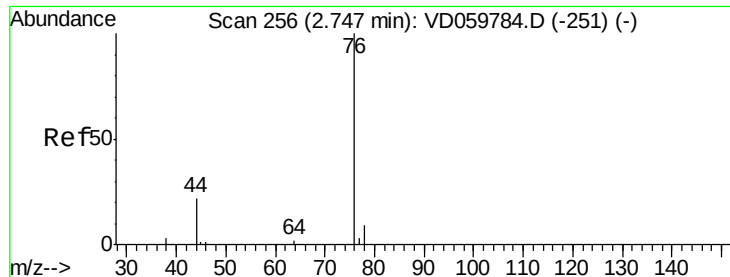
43 100

58 19.9 15.7 23.5



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





#17

Carbon Disulfide

Concen: 67.82 ug/l

RT: 2.75 min Scan# 257

Delta R.T. 0.00 min

Lab File: VD059785.D

Acq: 15 Aug 2018 1:19

Instrument :

MSVOA_D

ClientSampleId :

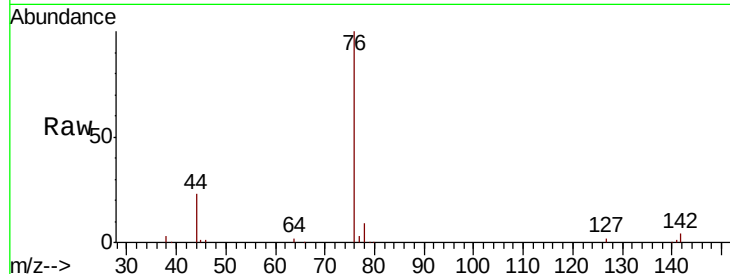
VSTDIC075

Tot Ion: 76 Resp: 328447

Ion Ratio Lower Upper

76 100

78 9.2 6.9 10.3



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

150000

100000

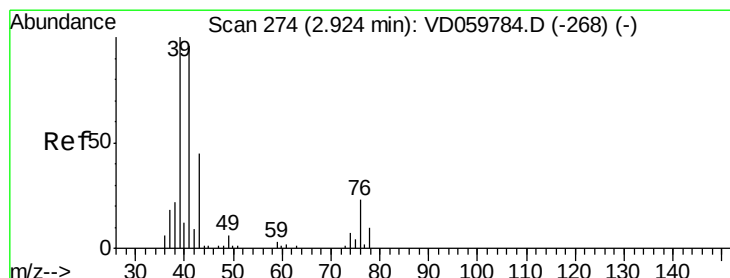
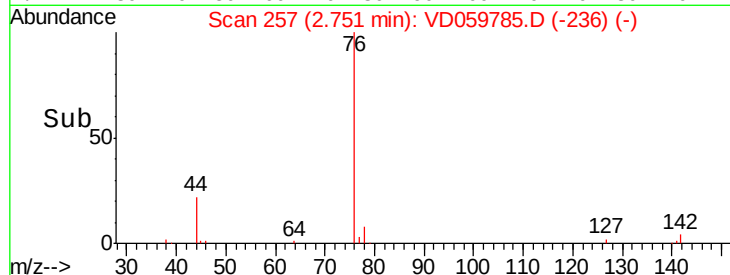
50000

0

2.75

2.60 2.70 2.80 2.90

Time-->



#18

Methyl Acetate

Concen: 62.86 ug/l

RT: 2.93 min Scan# 275

Delta R.T. 0.00 min

Lab File: VD059785.D

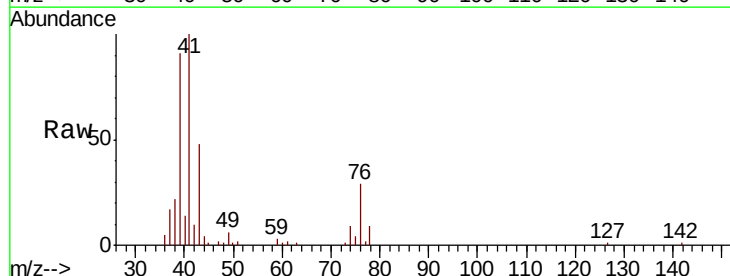
Acq: 15 Aug 2018 1:19

Tgt Ion: 43 Resp: 82180

Ion Ratio Lower Upper

43 100

74 18.4 12.4 18.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

30000

20000

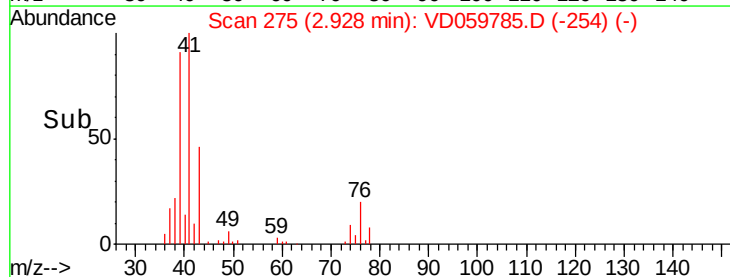
10000

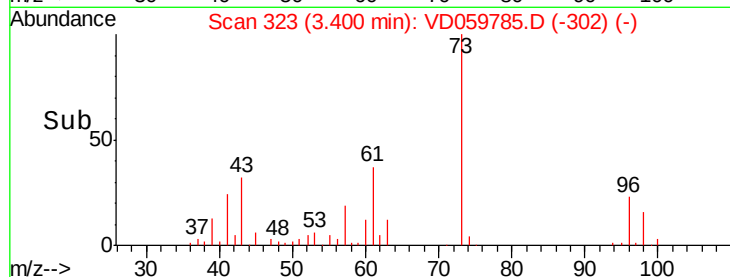
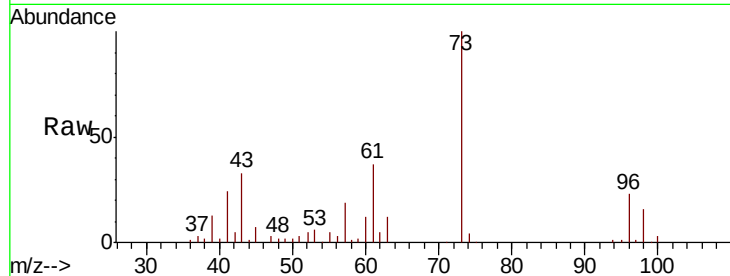
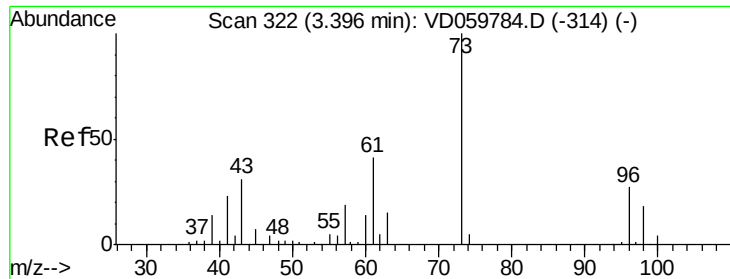
0

2.93

2.80 2.90 3.00 3.10

Time-->

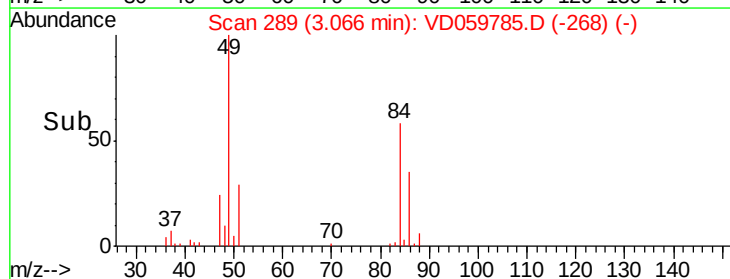
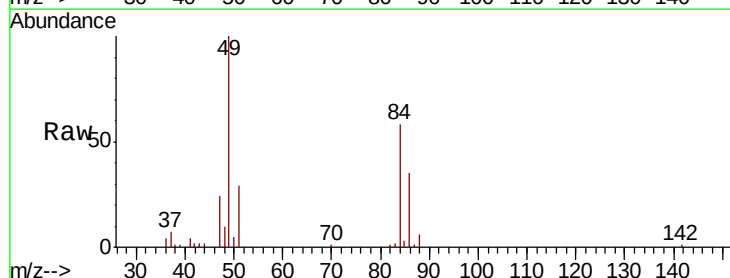
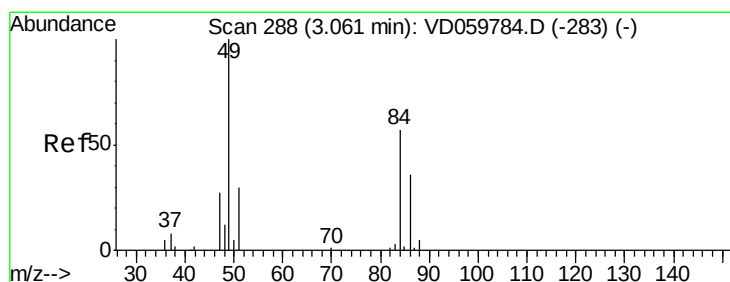
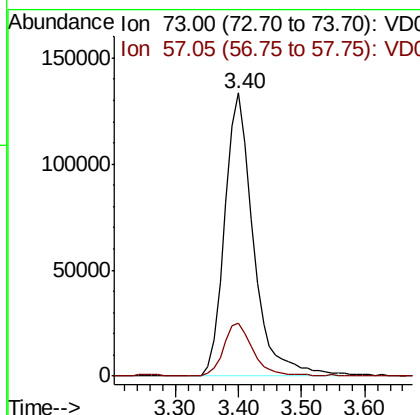




#19
Methyl tert-butyl Ether
Concen: 72.16 ug/l
RT: 3.40 min Scan# 323
Delta R.T. 0.00 min
Lab File: VD059785.D
Acq: 15 Aug 2018 1:19

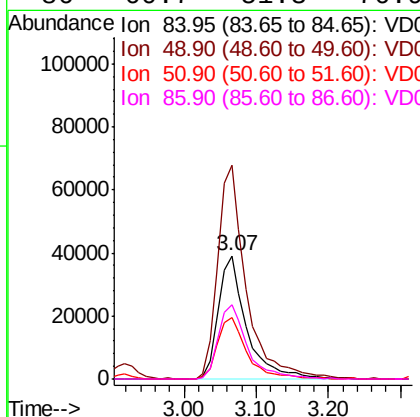
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

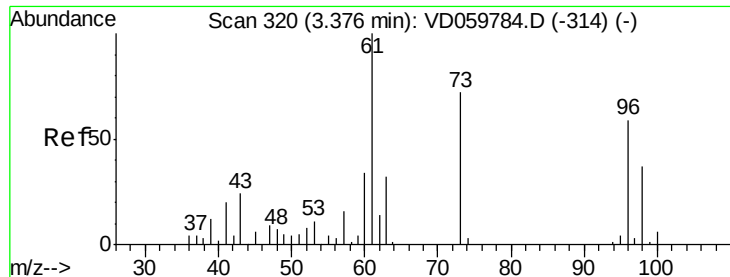
Tot Ion: 73 Resp: 421379
Ion Ratio Lower Upper
73 100
57 18.5 14.8 22.2



#20
Methylene Chloride
Concen: 55.26 ug/l
RT: 3.07 min Scan# 289
Delta R.T. 0.00 min
Lab File: VD059785.D
Acq: 15 Aug 2018 1:19

Tgt Ion: 84 Resp: 105342
Ion Ratio Lower Upper
84 100
49 173.4 140.9 211.3
51 50.0 42.8 64.2
86 60.7 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 87.14 ug/l

RT: 3.38 min Scan# 321

Delta R.T. 0.00 min

Lab File: VD059785.D

Acq: 15 Aug 2018 1:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

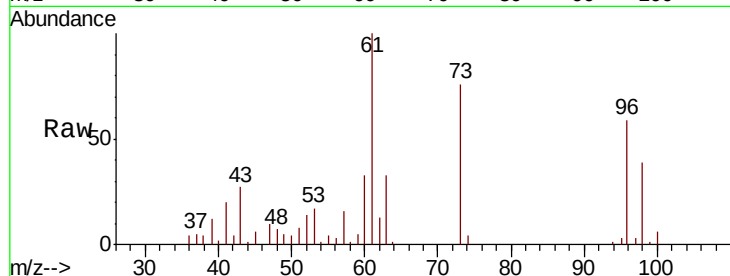
Tot Ion: 96 Resp: 174133

Ion Ratio Lower Upper

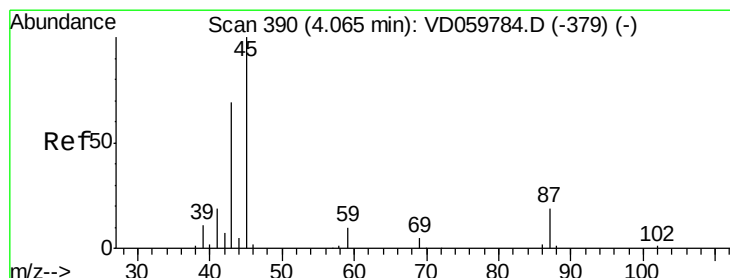
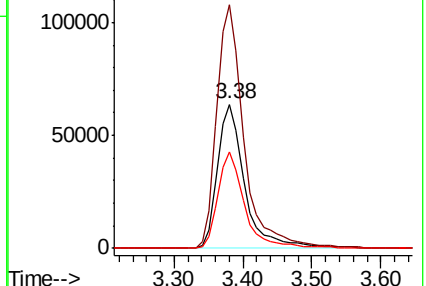
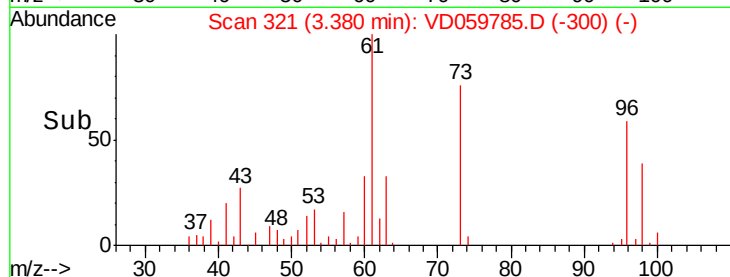
96 100

61 169.3 134.8 202.2

98 66.8 50.0 75.0



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



#22

Diisopropyl ether

Concen: 90.28 ug/l

RT: 4.07 min Scan# 391

Delta R.T. 0.00 min

Lab File: VD059785.D

Acq: 15 Aug 2018 1:19

Tgt Ion: 45 Resp: 595604

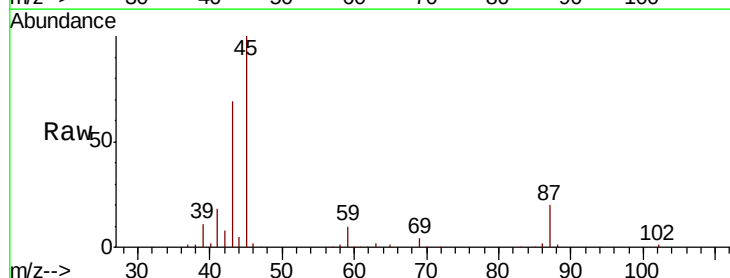
Ion Ratio Lower Upper

45 100

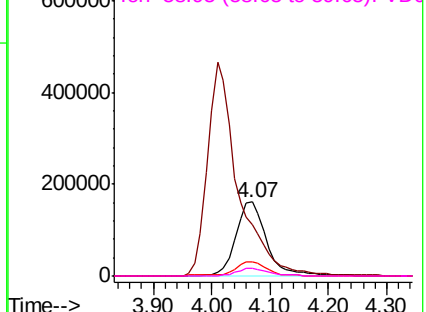
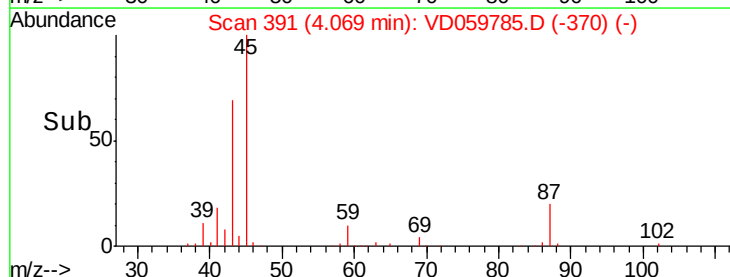
43 69.5 57.5 86.3

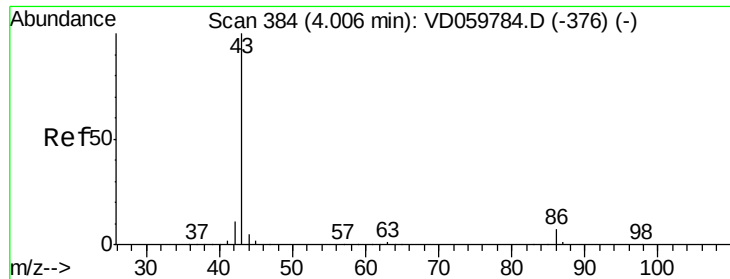
87 19.8 16.1 24.1

59 9.9 8.4 12.6



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





#23

Vinyl Acetate

Concen: 393.33 ug/l

RT: 4.01 min Scan# 385

Delta R.T. 0.00 min

Lab File: VD059785.D

Acq: 15 Aug 2018 1:19

Instrument :

MSVOA_D

ClientSampleId :

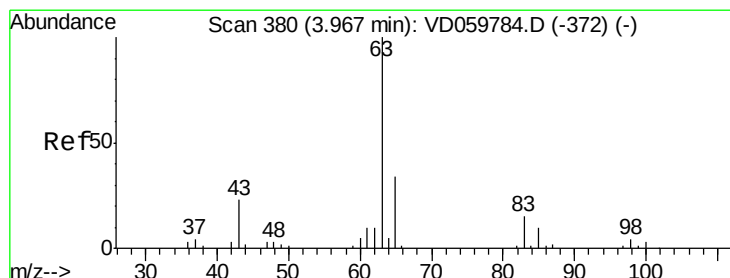
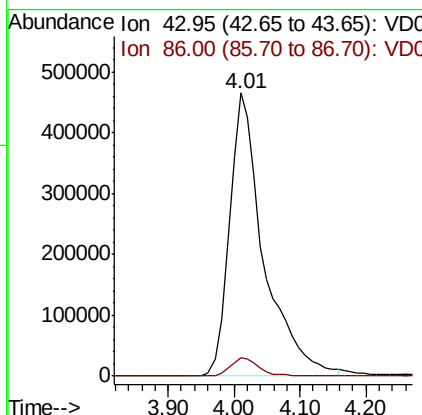
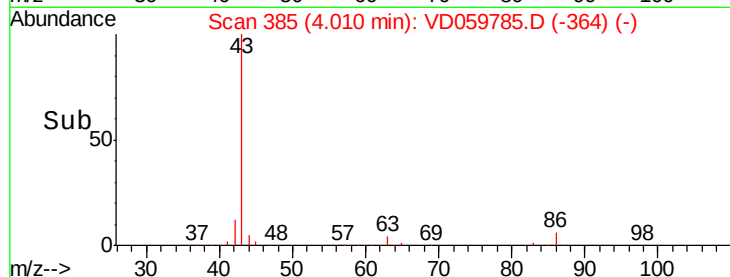
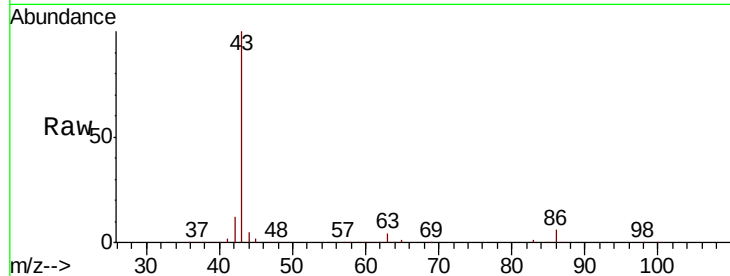
VSTDIC075

Tot Ion: 43 Resp: 1690867

Ion Ratio Lower Upper

43 100

86 6.3 5.4 8.0



#24

1,1-Dichloroethane

Concen: 74.45 ug/l

RT: 3.97 min Scan# 381

Delta R.T. 0.00 min

Lab File: VD059785.D

Acq: 15 Aug 2018 1:19

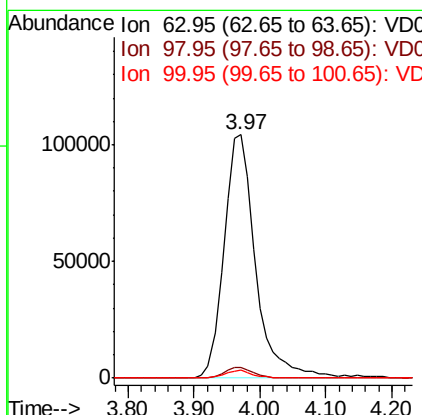
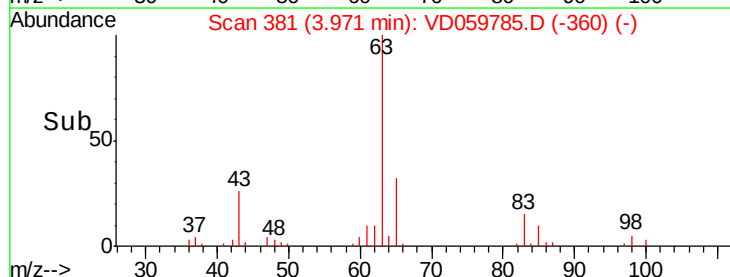
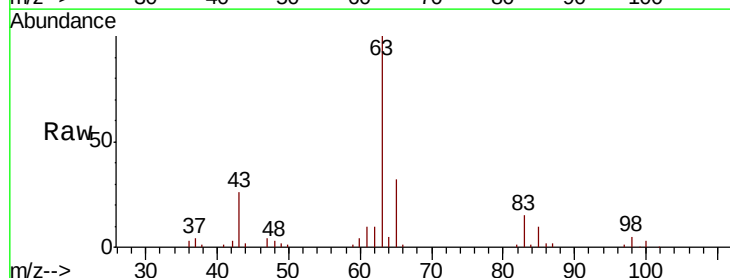
Tgt Ion: 63 Resp: 348108

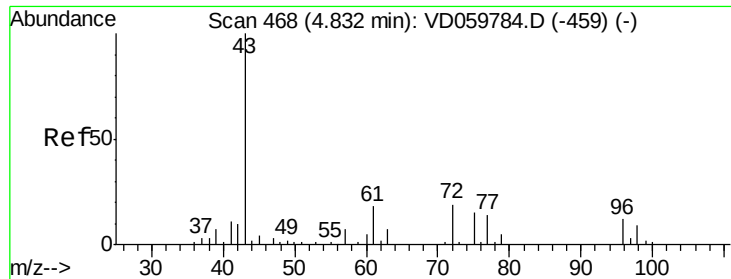
Ion Ratio Lower Upper

63 100

98 4.5 2.2 6.6

100 3.1 1.6 4.7





#25

2-Butanone

Concen: 433.57 ug/l

RT: 4.83 min Scan# 468

Delta R.T. -0.01 min

Lab File: VD059785.D

Acq: 15 Aug 2018 1:19

Instrument :

MSVOA_D

ClientSampleId :

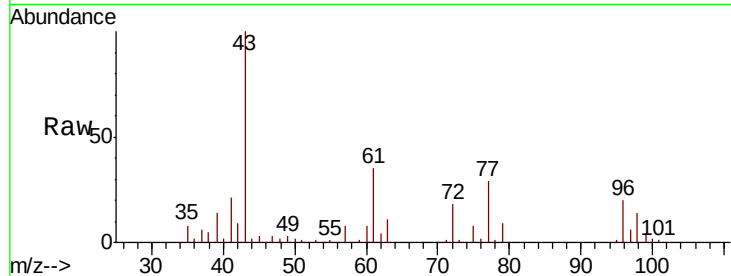
VSTDIC075

Tot Ion: 43 Resp: 322515

Ion Ratio Lower Upper

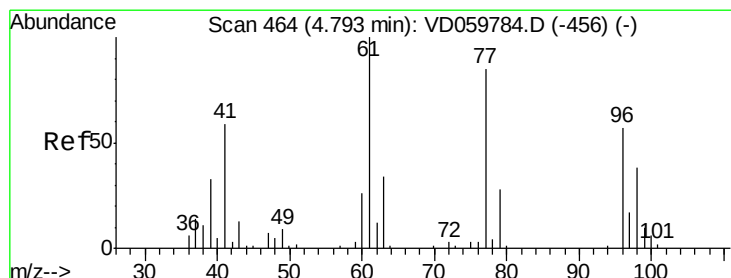
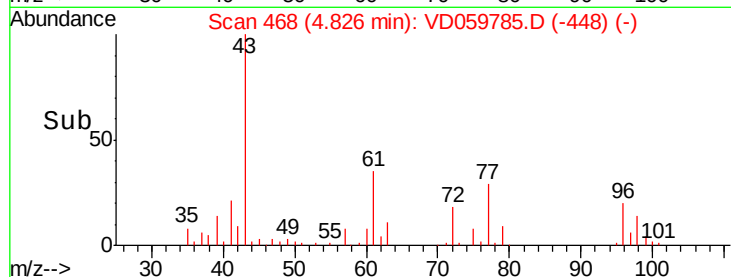
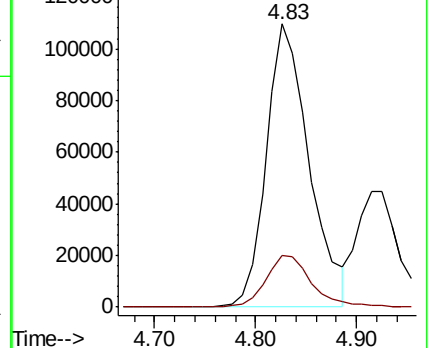
43 100

72 18.2 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: 61.11 ug/l

RT: 4.80 min Scan# 465

Delta R.T. 0.00 min

Lab File: VD059785.D

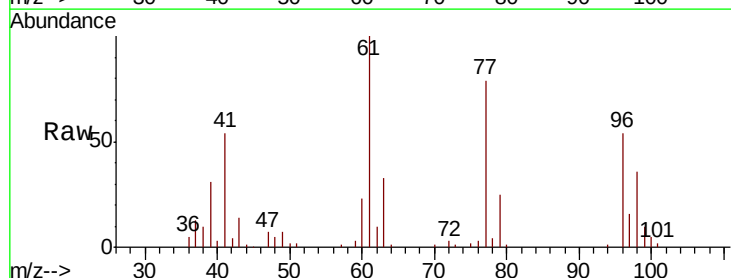
Acq: 15 Aug 2018 1:19

Tgt Ion: 77 Resp: 321204

Ion Ratio Lower Upper

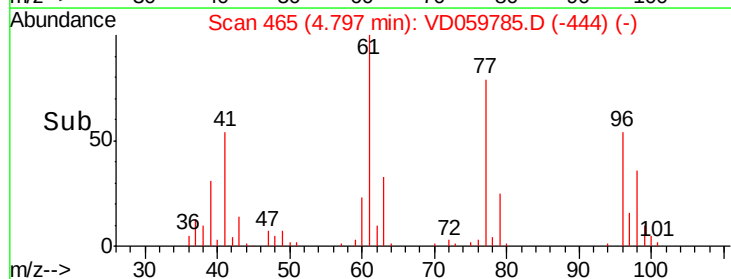
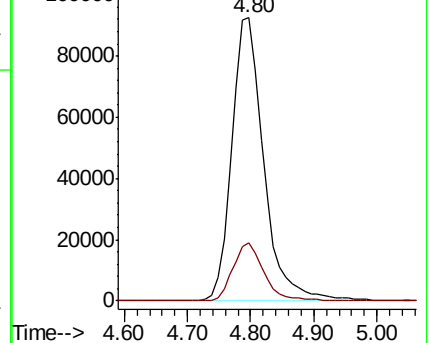
77 100

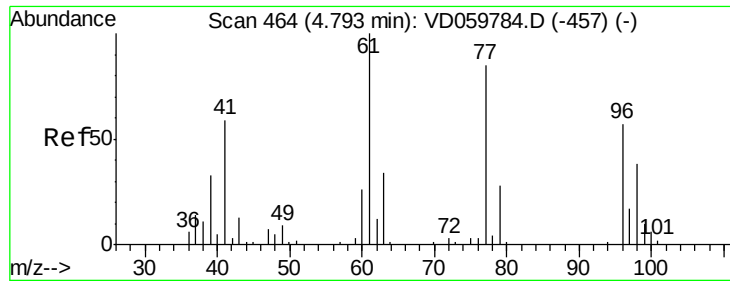
97 20.6 10.3 30.8



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



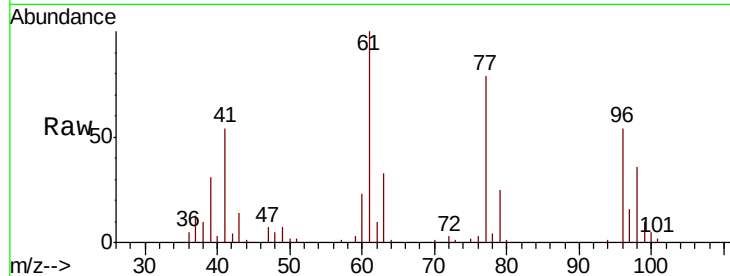


#27

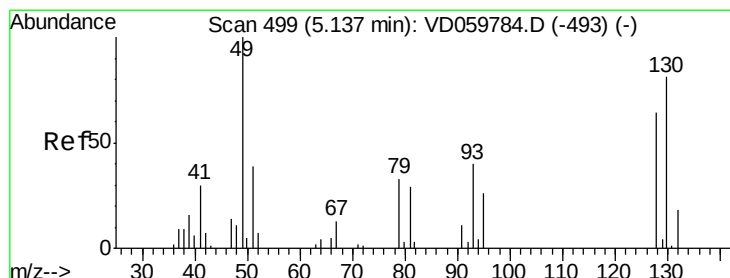
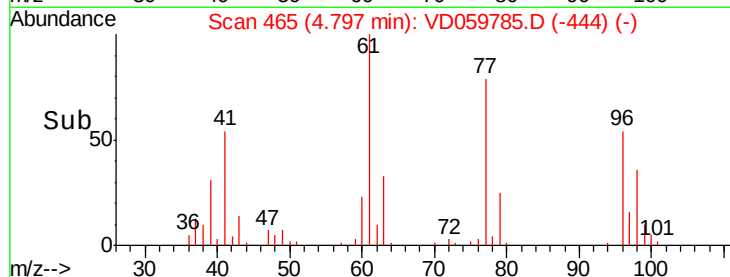
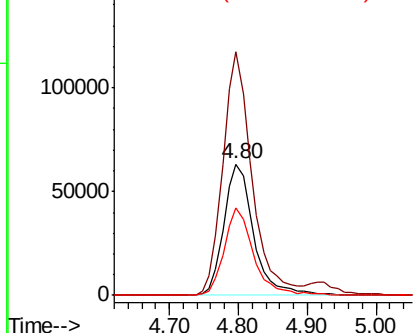
cis-1,2-Dichloroethene
 Concen: 80.04 ug/l
 RT: 4.80 min Scan# 465
 Delta R.T. 0.00 min
 Lab File: VD059785.D
 Acq: 15 Aug 2018 1:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion	96	Resp	189077
Ion	Ratio	Lower	Upper
96	100		
61	185.8	0.0	351.6
98	67.0	0.0	135.2



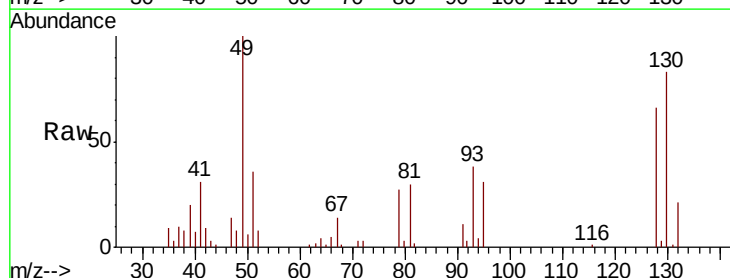
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



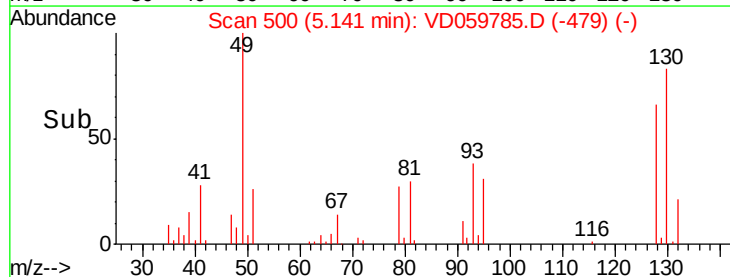
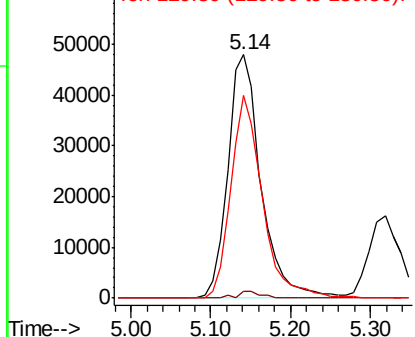
#28

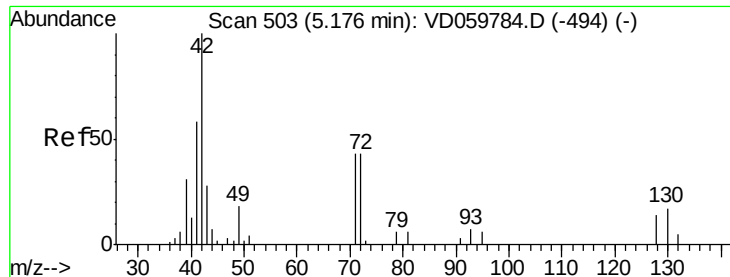
Bromochloromethane
 Concen: 81.63 ug/l
 RT: 5.14 min Scan# 500
 Delta R.T. 0.00 min
 Lab File: VD059785.D
 Acq: 15 Aug 2018 1:19

Tgt Ion	49	Resp	139021
Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	7.0
130	83.2	64.8	97.2



Abundance Ion 48.90 (48.60 to 49.60): VDC
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 450.88 ug/l

RT: 5.18 min Scan# 504

Delta R.T. 0.00 min

Lab File: VD059785.D

Acq: 15 Aug 2018 1:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

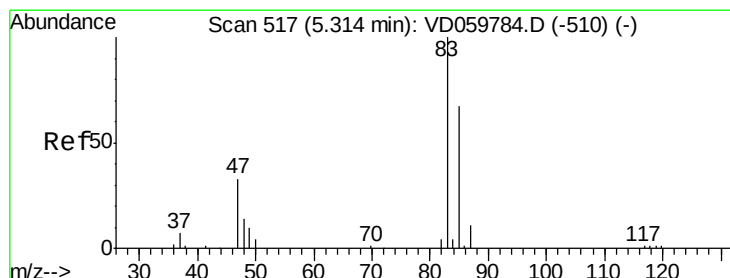
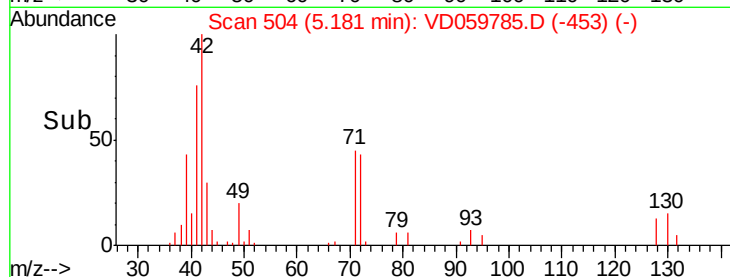
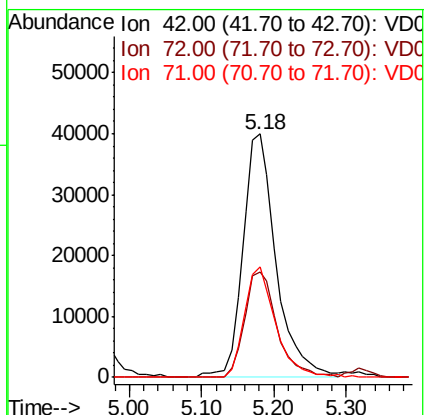
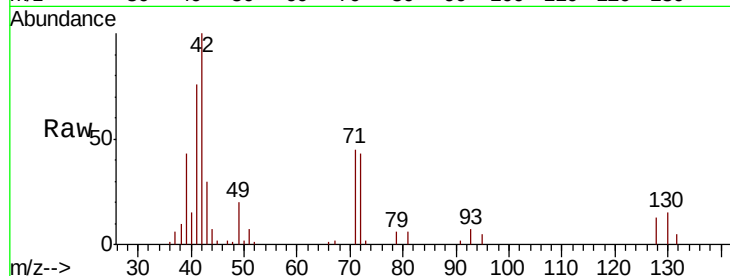
Tot Ion: 42 Resp: 127882

Ion Ratio Lower Upper

42 100

72 42.5 34.3 51.5

71 43.0 33.0 49.6



#30

Chloroform

Concen: 68.67 ug/l

RT: 5.32 min Scan# 518

Delta R.T. 0.00 min

Lab File: VD059785.D

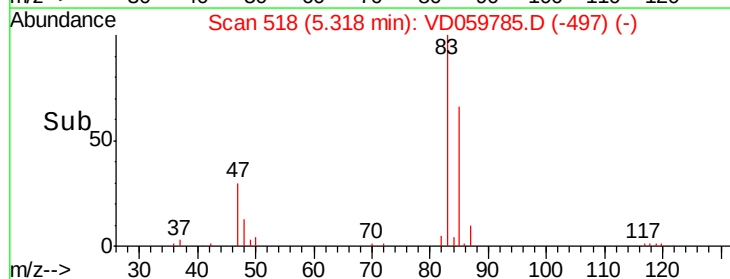
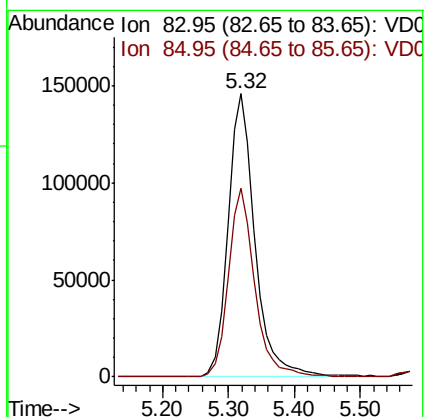
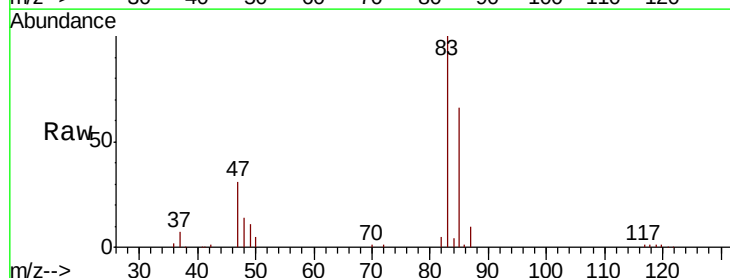
Acq: 15 Aug 2018 1:19

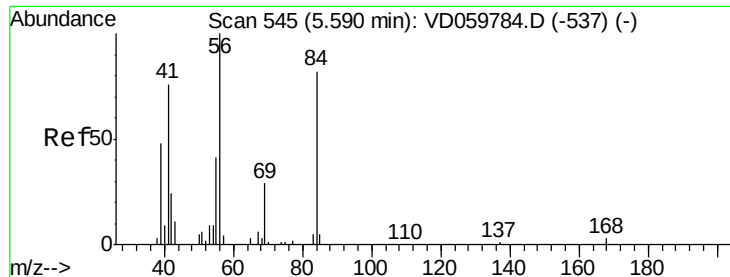
Tgt Ion: 83 Resp: 416359

Ion Ratio Lower Upper

83 100

85 66.5 53.4 80.2

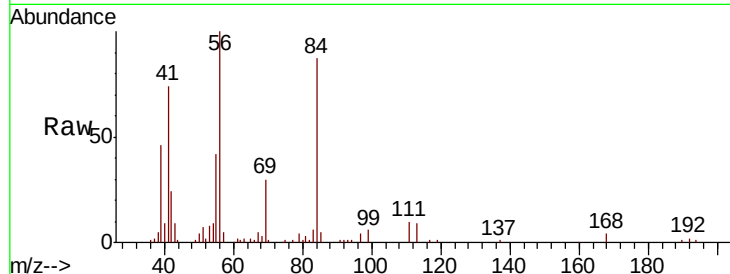




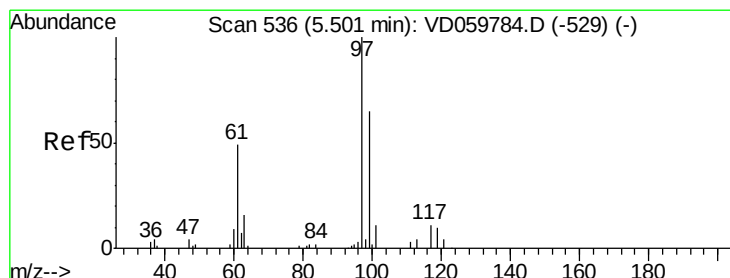
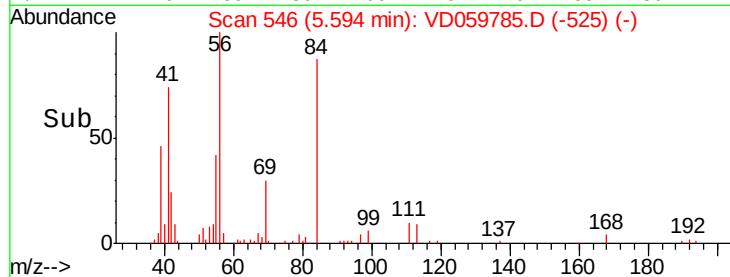
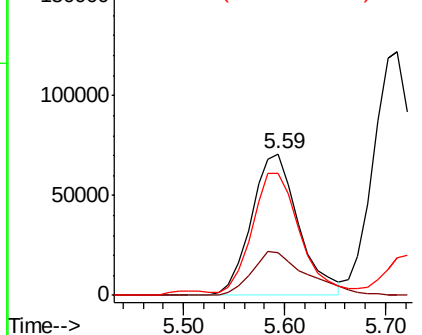
#31
Cyclohexane
Concen: 82.36 ug/l
RT: 5.59 min Scan# 546
Delta R.T. 0.00 min
Lab File: VD059785.D
Acq: 15 Aug 2018 1:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 56 Resp: 230317
Ion Ratio Lower Upper
56 100
69 30.2 23.4 35.2
84 86.7 65.4 98.2

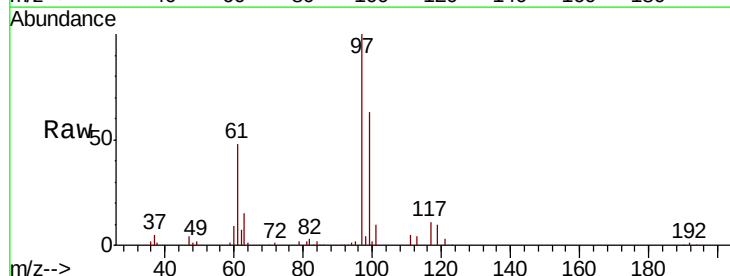


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

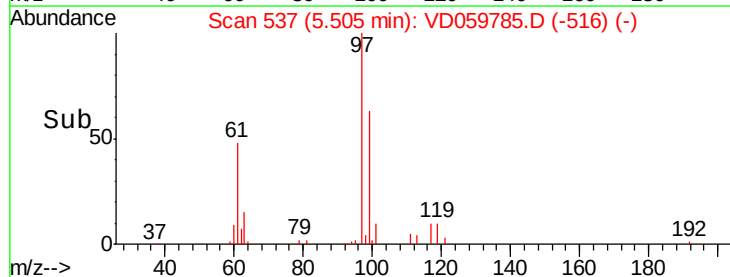
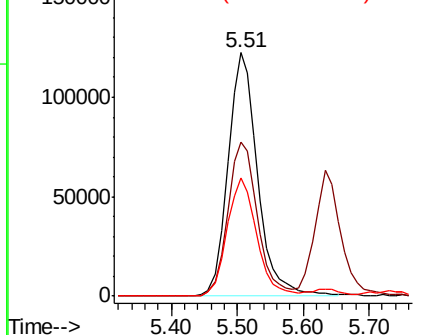


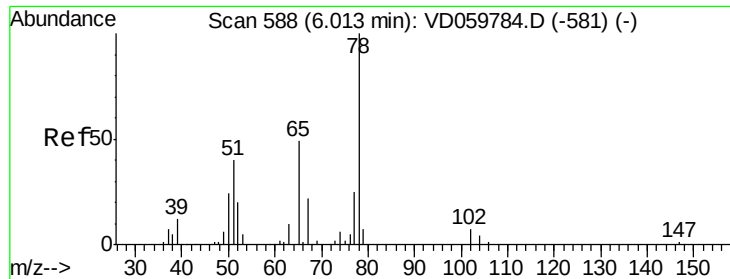
#32
1,1,1-Trichloroethane
Concen: 62.77 ug/l
RT: 5.51 min Scan# 537
Delta R.T. 0.00 min
Lab File: VD059785.D
Acq: 15 Aug 2018 1:19

Tgt Ion: 97 Resp: 384519
Ion Ratio Lower Upper
97 100
99 63.4 52.2 78.2
61 48.5 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

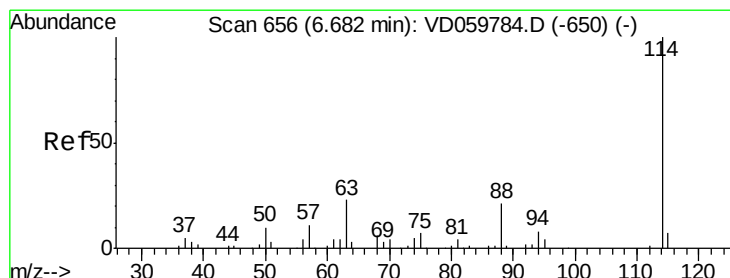
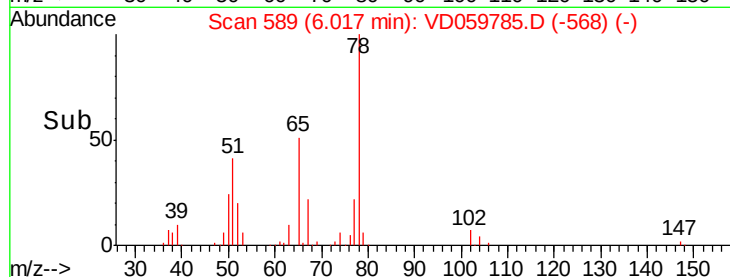
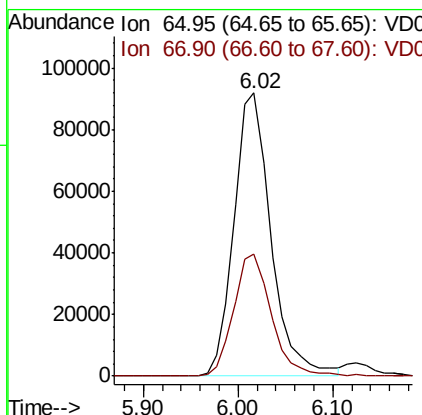
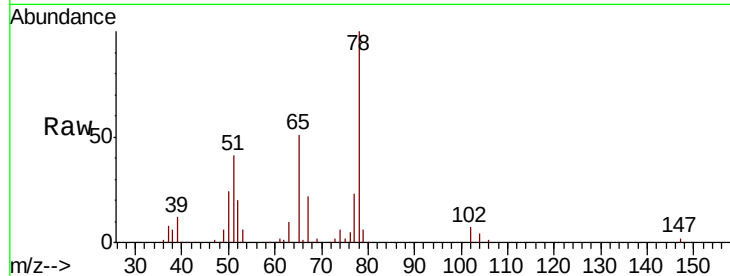




#33
 1,2-Dichloroethane-d4
 Concen: 62.77 ug/l
 RT: 6.02 min Scan# 589
 Delta R.T. 0.00 min
 Lab File: VD059785.D
 Acq: 15 Aug 2018 1:19

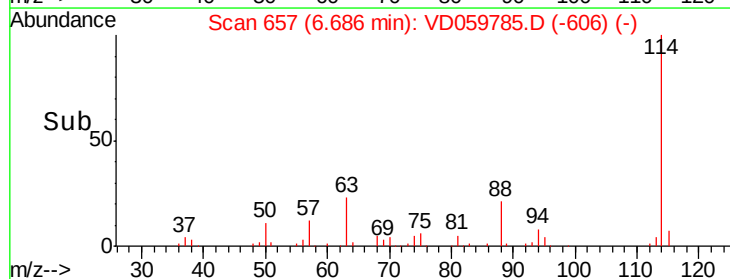
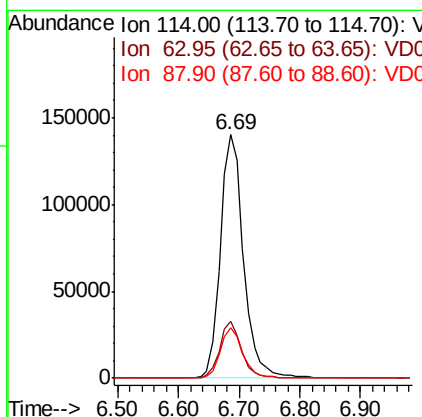
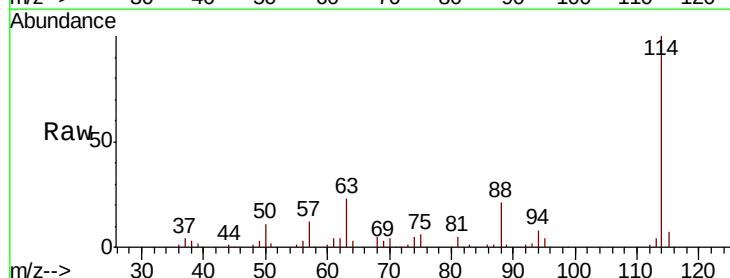
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

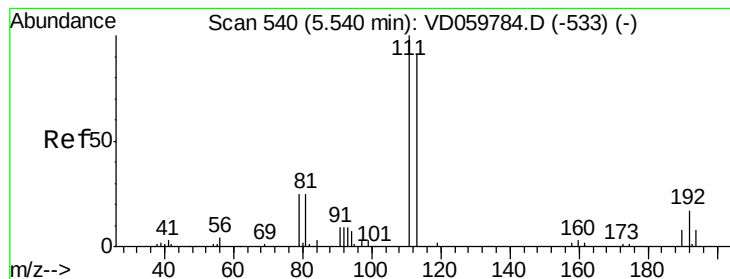
Tot Ion: 65 Resp: 249313
 Ion Ratio Lower Upper
 65 100
 67 43.2 0.0 87.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.69 min Scan# 657
 Delta R.T. 0.00 min
 Lab File: VD059785.D
 Acq: 15 Aug 2018 1:19

Tgt Ion: 114 Resp: 370216
 Ion Ratio Lower Upper
 114 100
 63 23.2 0.0 45.0
 88 20.6 0.0 41.2





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.54 min Scan# 541

Delta R.T. 0.00 min

Lab File: VD059785.D

Acq: 15 Aug 2018 1:19

Instrument :

MSVOA_D

ClientSampled :

VSTDIC075

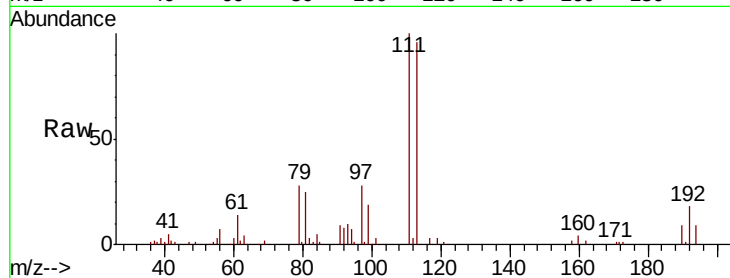
Tot Ion:113 Resp: 230841

Ion Ratio Lower Upper

113 100

111 103.7 87.7 131.5

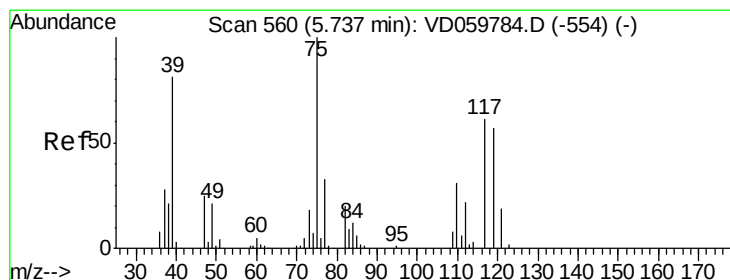
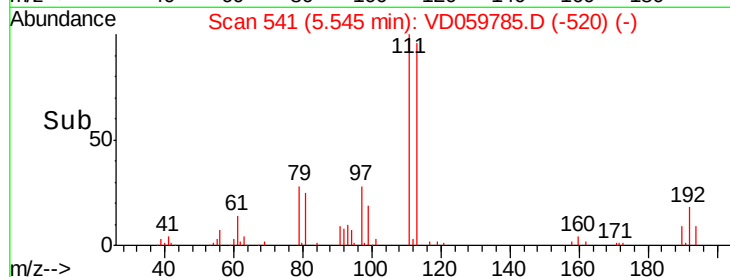
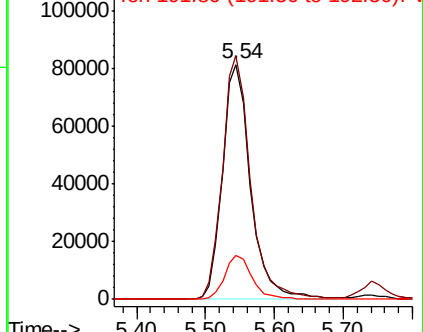
192 19.0 14.6 21.8



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: 65.04 ug/l

RT: 5.74 min Scan# 561

Delta R.T. 0.00 min

Lab File: VD059785.D

Acq: 15 Aug 2018 1:19

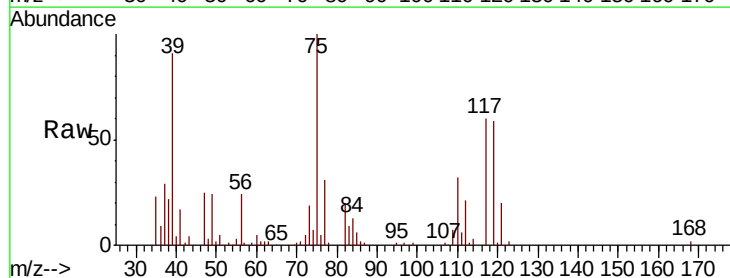
Tgt Ion: 75 Resp: 271411

Ion Ratio Lower Upper

75 100

110 31.6 15.3 45.8

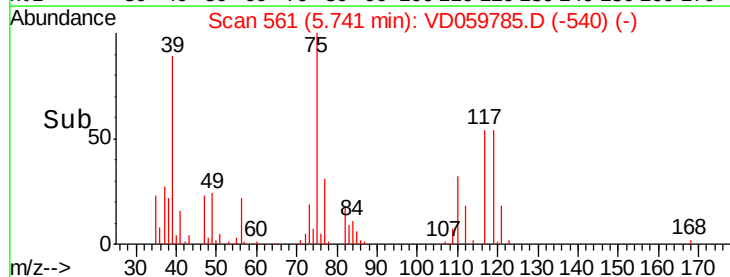
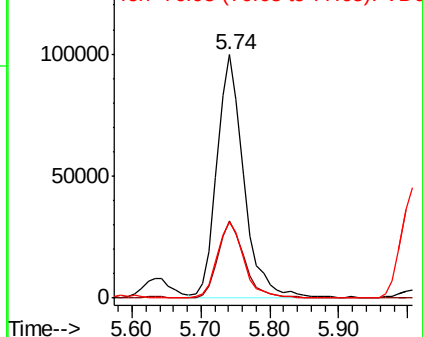
77 31.2 26.2 39.4

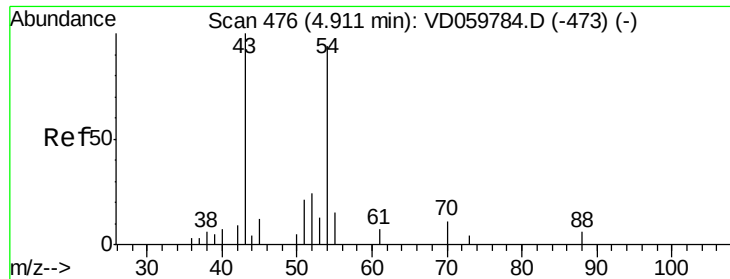


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 72.44 ug/l

RT: 4.92 min Scan# 478

Delta R.T. 0.01 min

Lab File: VD059785.D

Acq: 15 Aug 2018 1:19

Instrument :

MSVOA_D

ClientSampleID :

VSTDIC075

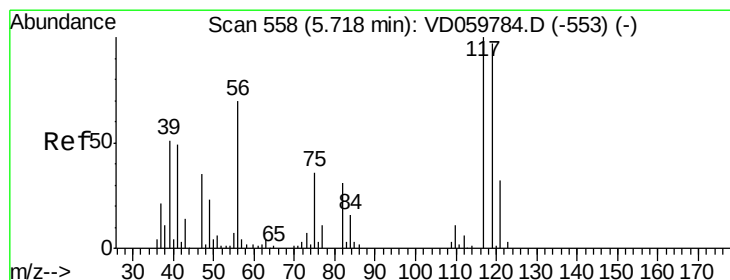
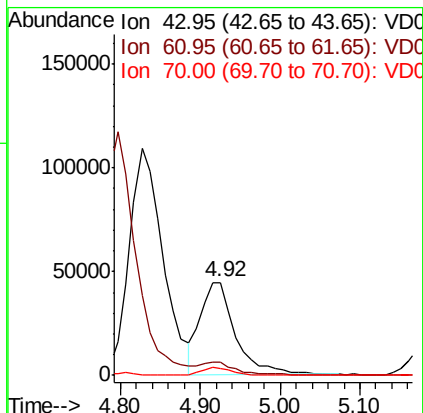
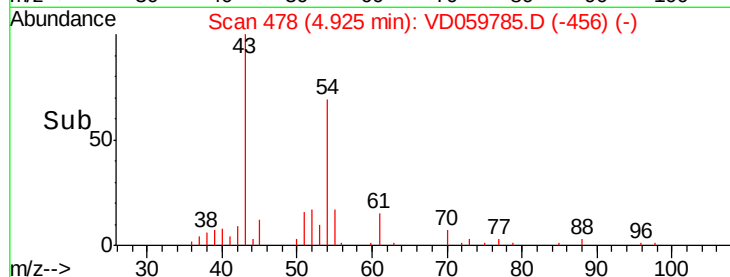
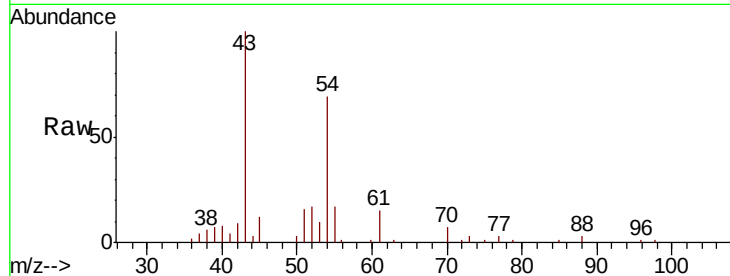
Tot Ion: 43 Resp: 134422

Ion Ratio Lower Upper

43 100

61 14.8 10.2 15.2

70 7.2 5.8 8.8



#38

Carbon Tetrachloride

Concen: 51.77 ug/l

RT: 5.72 min Scan# 559

Delta R.T. 0.00 min

Lab File: VD059785.D

Acq: 15 Aug 2018 1:19

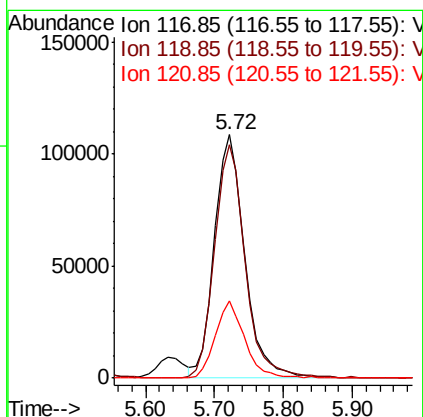
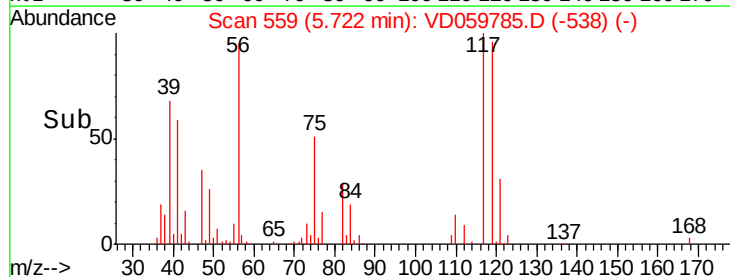
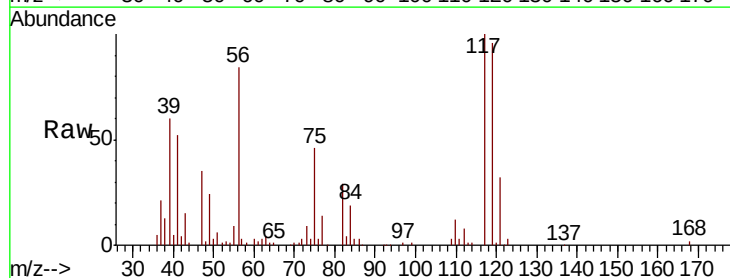
Tgt Ion: 117 Resp: 328449

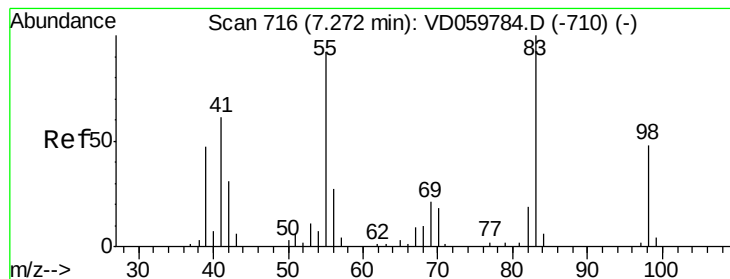
Ion Ratio Lower Upper

117 100

119 96.0 75.7 113.5

121 31.7 24.7 37.1





#39

Methylcyclohexane

Concen: 74.49 ug/l

RT: 7.28 min Scan# 717

Delta R.T. 0.00 min

Lab File: VD059785.D

Acq: 15 Aug 2018 1:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

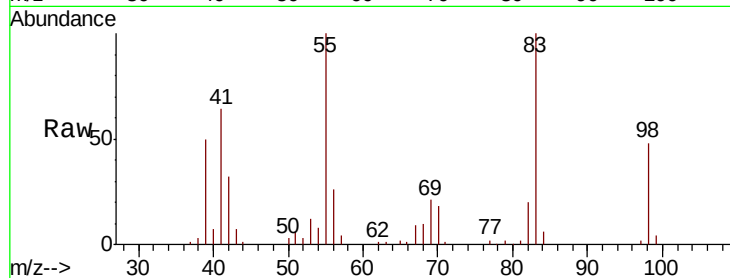
Tot Ion: 83 Resp: 238137

Ion Ratio Lower Upper

83 100

55 99.8 73.8 110.6

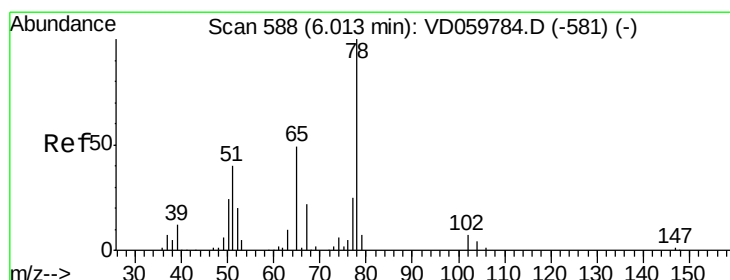
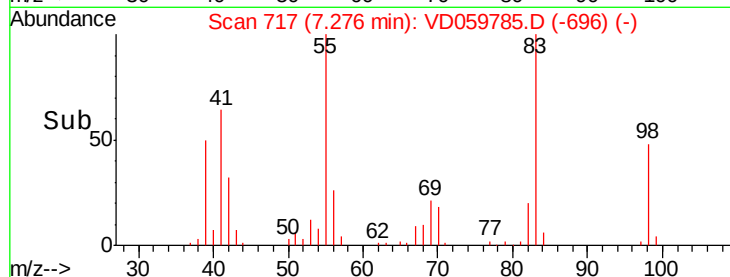
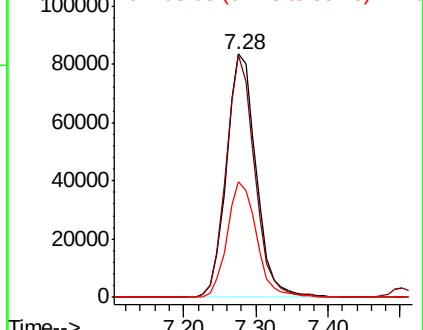
98 47.6 38.4 57.6



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 74.18 ug/l

RT: 6.01 min Scan# 588

Delta R.T. -0.01 min

Lab File: VD059785.D

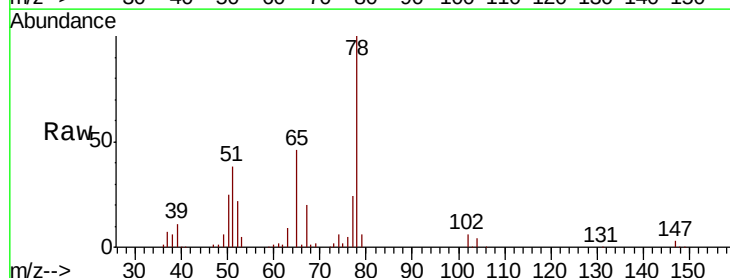
Acq: 15 Aug 2018 1:19

Tgt Ion: 78 Resp: 560948

Ion Ratio Lower Upper

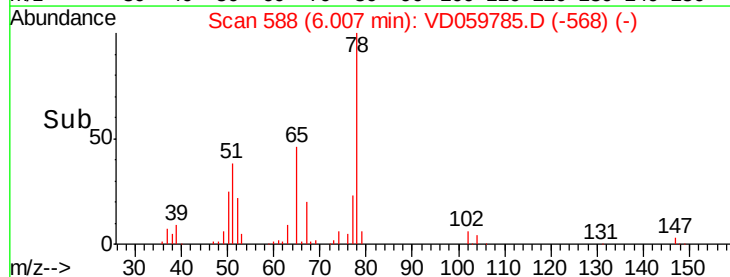
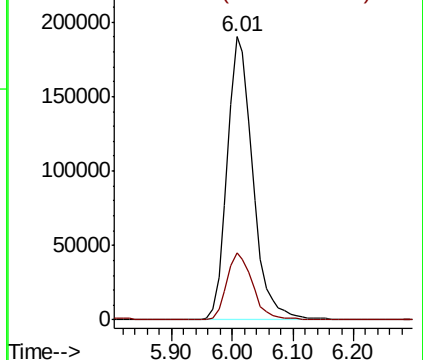
78 100

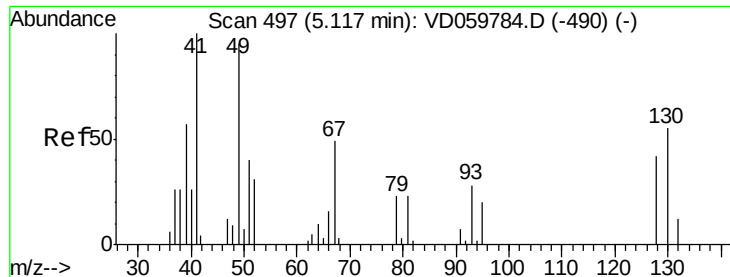
77 23.9 19.6 29.4



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

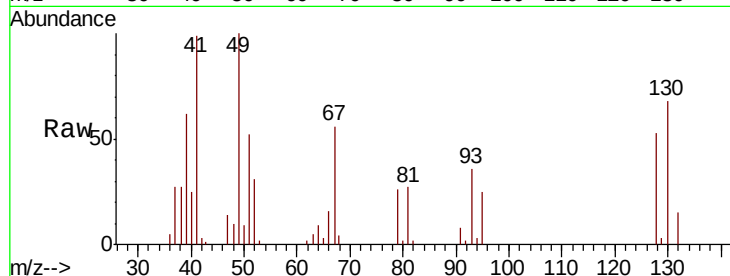




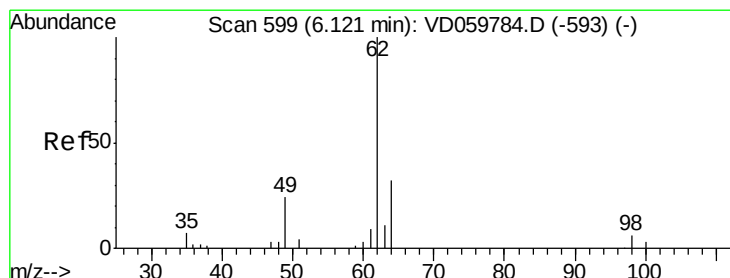
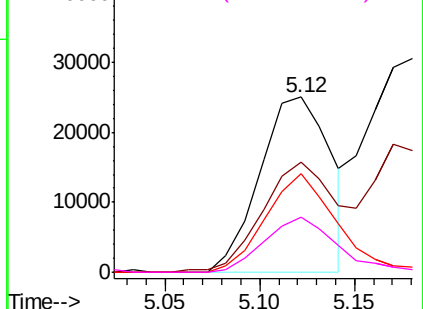
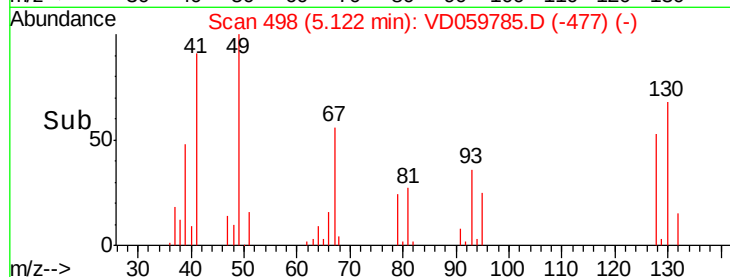
#41
Methacrylonitrile
Concen: 72.37 ug/l
RT: 5.12 min Scan# 498
Delta R.T. 0.00 min
Lab File: VD059785.D
Acq: 15 Aug 2018 1:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 41 Resp: 65378
Ion Ratio Lower Upper
41 100
39 62.8 45.4 68.2
67 56.6 39.5 59.3
52 31.2 24.8 37.2

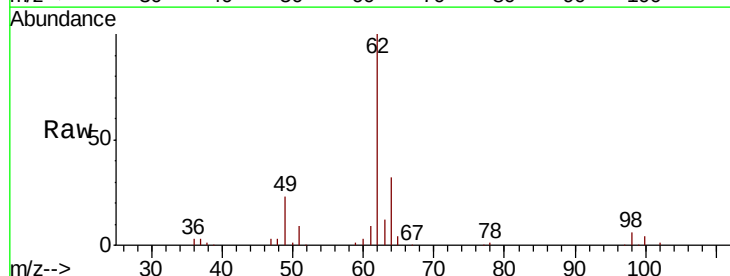


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

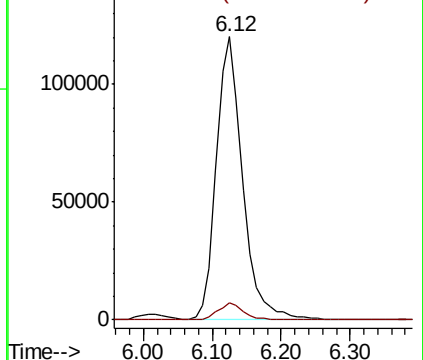
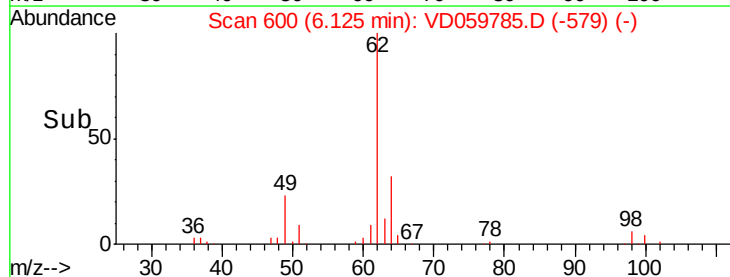


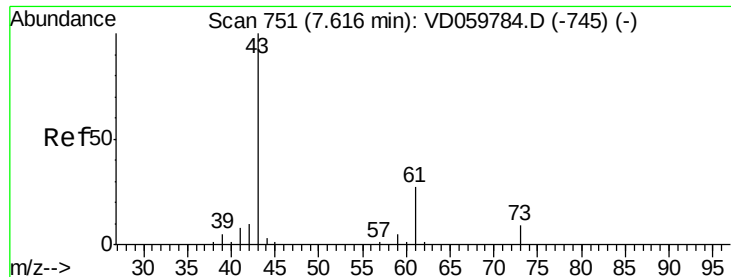
#42
1,2-Dichloroethane
Concen: 56.92 ug/l
RT: 6.12 min Scan# 600
Delta R.T. 0.00 min
Lab File: VD059785.D
Acq: 15 Aug 2018 1:19

Tgt Ion: 62 Resp: 317583
Ion Ratio Lower Upper
62 100
98 5.9 0.0 12.0



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



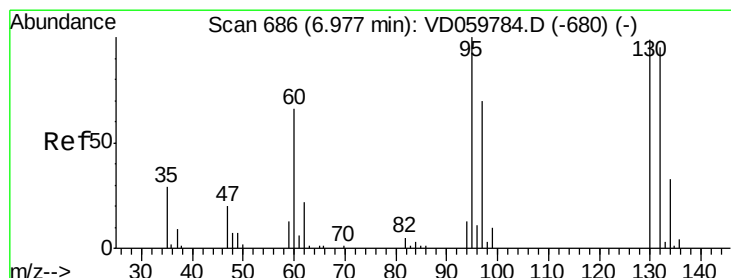
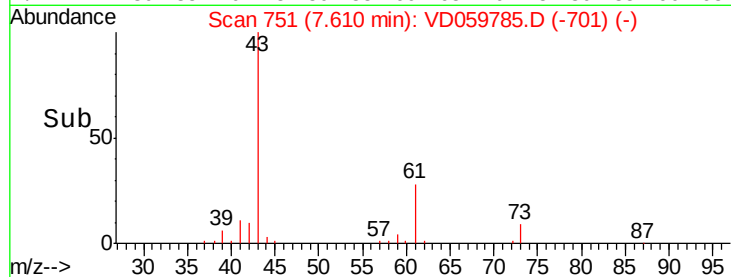
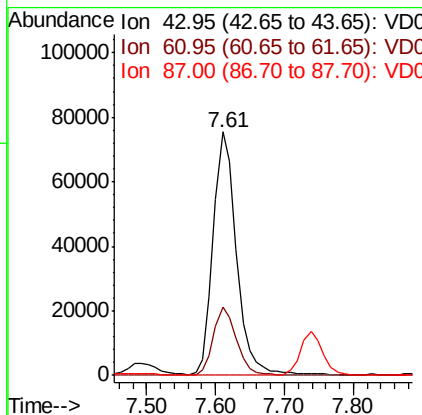
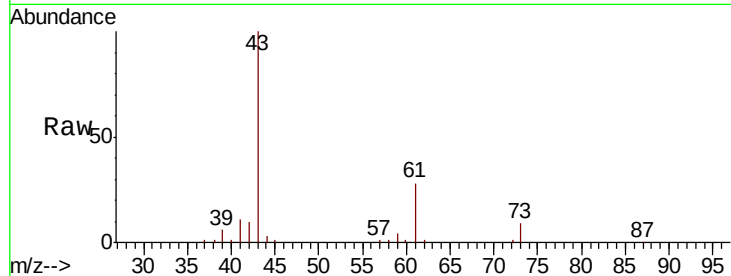


#43

Isopropyl Acetate
 Concen: 75.66 ug/l
 RT: 7.61 min Scan# 751
 Delta R.T. -0.01 min
 Lab File: VD059785.D
 Acq: 15 Aug 2018 1:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

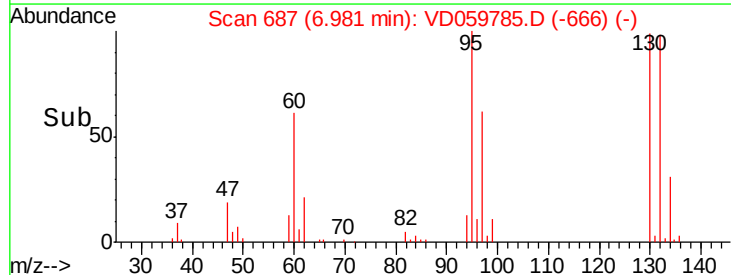
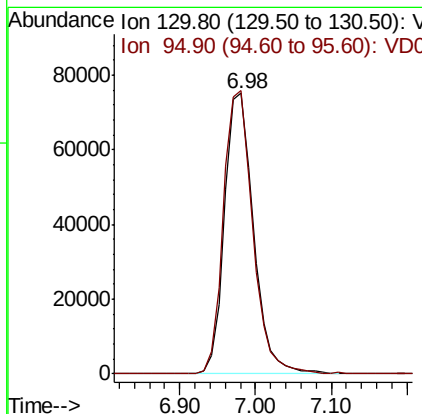
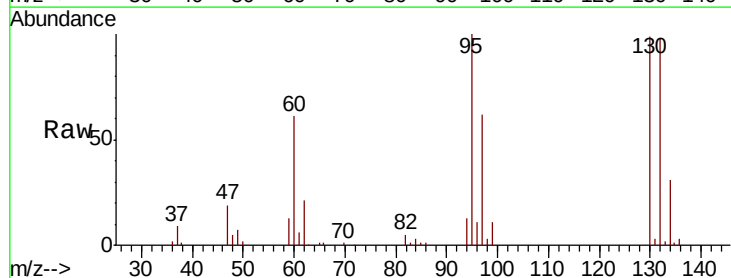
Tot Ion: 43 Resp: 178301
 Ion Ratio Lower Upper
 43 100
 61 28.1 21.2 31.8
 87 0.4 0.0 0.0#

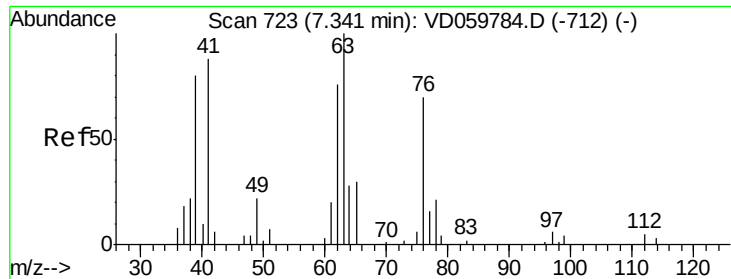


#44

Trichloroethene
 Concen: 67.96 ug/l
 RT: 6.98 min Scan# 687
 Delta R.T. 0.00 min
 Lab File: VD059785.D
 Acq: 15 Aug 2018 1:19

Tgt Ion:130 Resp: 199550
 Ion Ratio Lower Upper
 130 100
 95 100.9 0.0 201.2

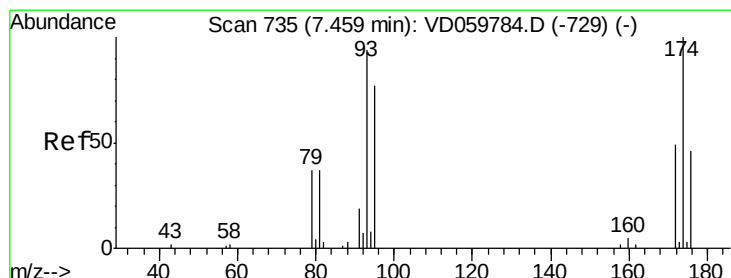
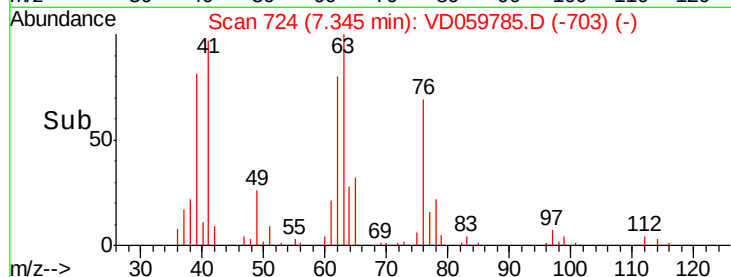
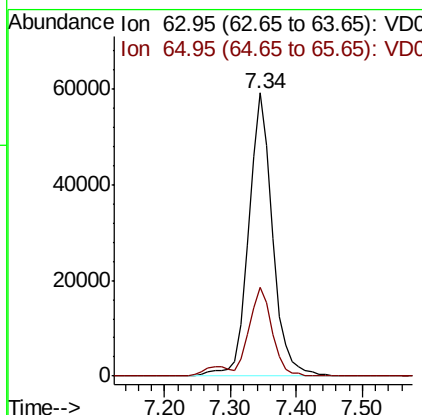
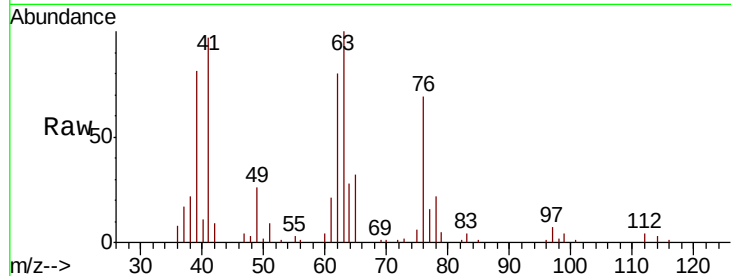




#45
 1,2-Dichloropropane
 Concen: 77.18 ug/l
 RT: 7.34 min Scan# 724
 Delta R.T. 0.00 min
 Lab File: VD059785.D
 Acq: 15 Aug 2018 1:19

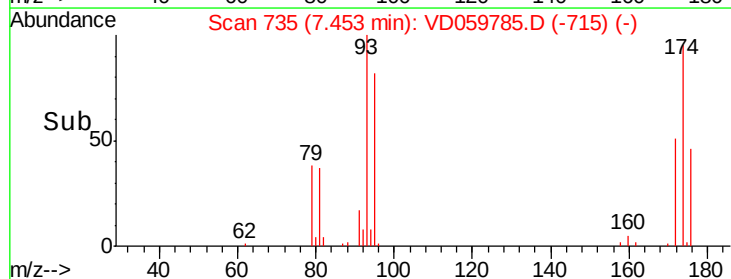
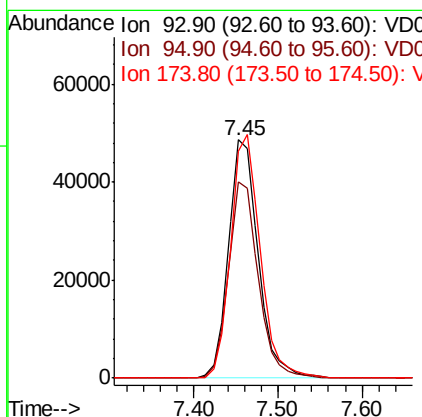
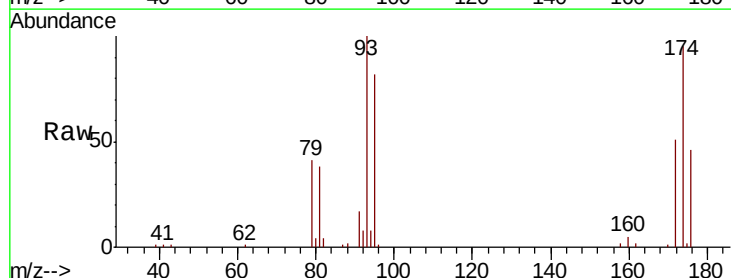
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

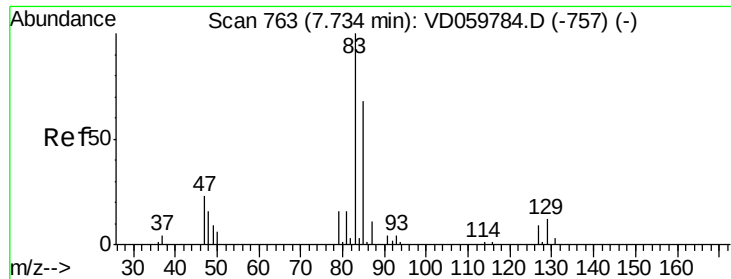
Tot Ion: 63 Resp: 150541
 Ion Ratio Lower Upper
 63 100
 65 31.6 24.2 36.4



#46
 Dibromomethane
 Concen: 61.26 ug/l
 RT: 7.45 min Scan# 735
 Delta R.T. -0.01 min
 Lab File: VD059785.D
 Acq: 15 Aug 2018 1:19

Tgt Ion: 93 Resp: 119227
 Ion Ratio Lower Upper
 93 100
 95 82.4 66.2 99.4
 174 95.1 85.5 128.3





#47

Bromodichloromethane

Concen: 60.12 ug/l

RT: 7.74 min Scan# 764

Delta R.T. 0.00 min

Lab File: VD059785.D

Acq: 15 Aug 2018 1:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

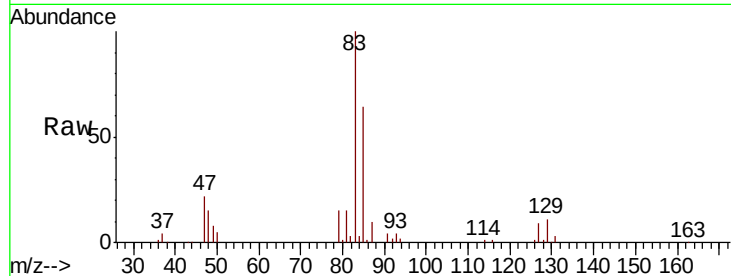
Tot Ion: 83 Resp: 306365

Ion Ratio Lower Upper

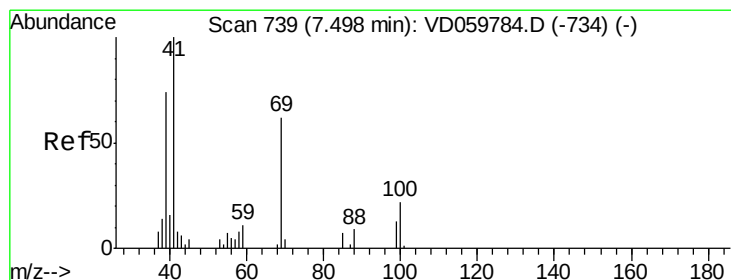
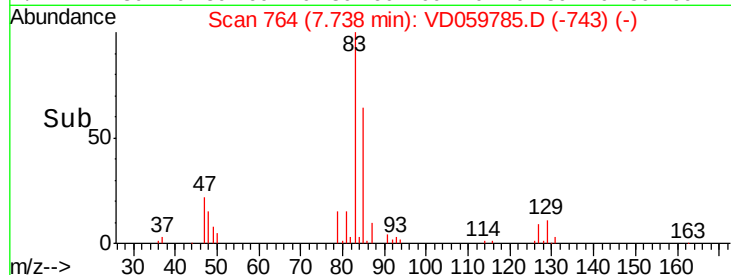
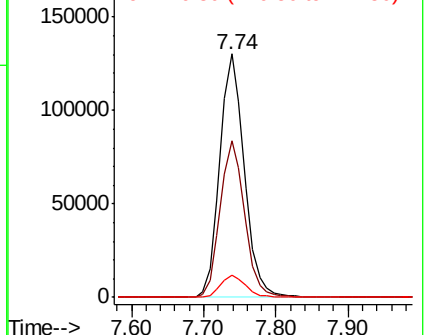
83 100

85 64.4 54.1 81.1

127 9.2 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: 70.70 ug/l

RT: 7.50 min Scan# 740

Delta R.T. 0.00 min

Lab File: VD059785.D

Acq: 15 Aug 2018 1:19

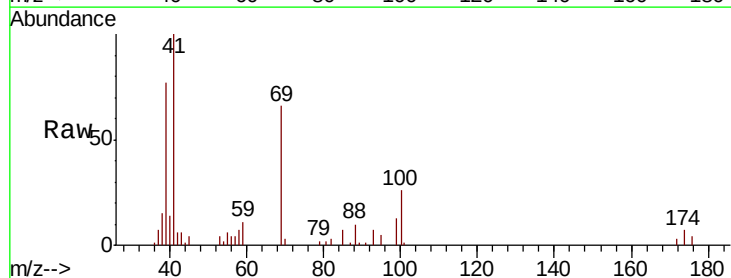
Tgt Ion: 41 Resp: 119556

Ion Ratio Lower Upper

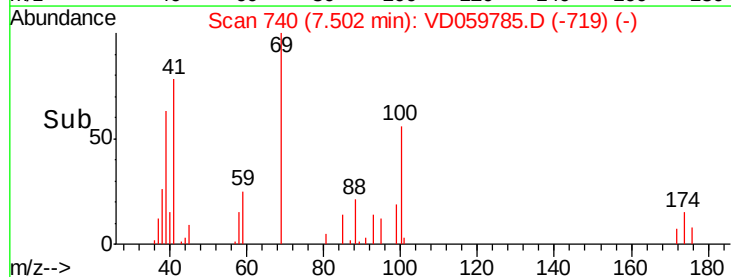
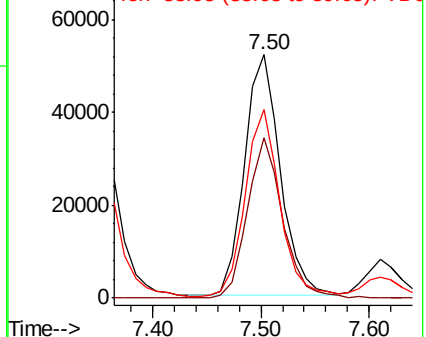
41 100

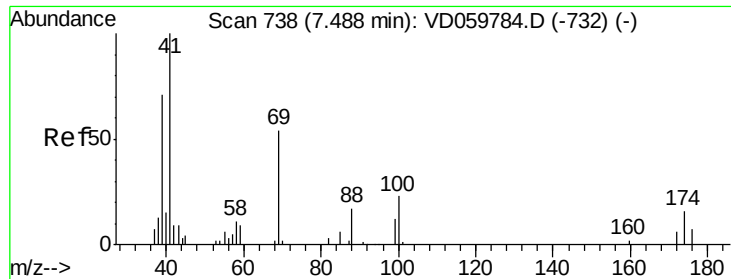
69 66.0 49.8 74.8

39 77.4 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

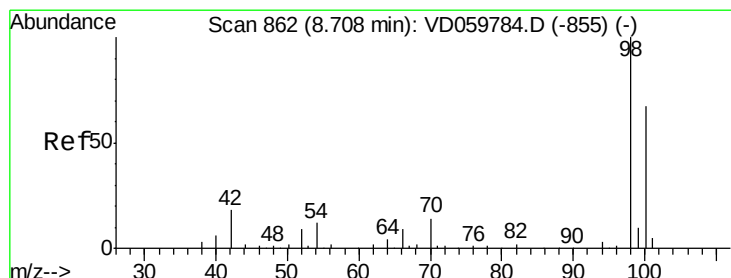
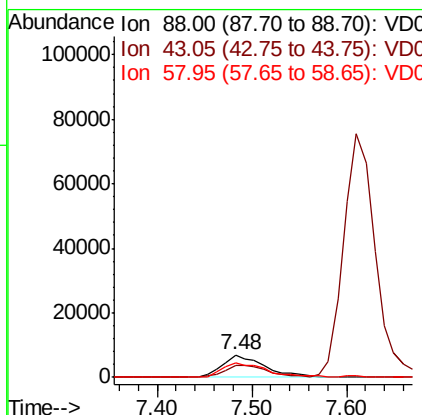
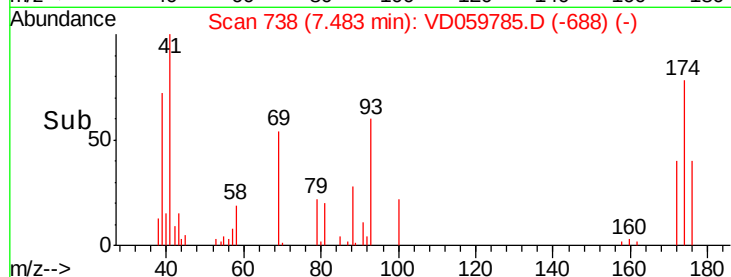
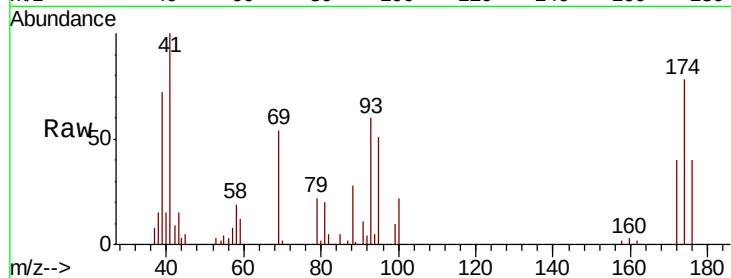




#49
1,4-Dioxane
Concen: 1732.73 ug/l
RT: 7.48 min Scan# 738
Delta R.T. -0.01 min
Lab File: VD059785.D
Acq: 15 Aug 2018 1:19

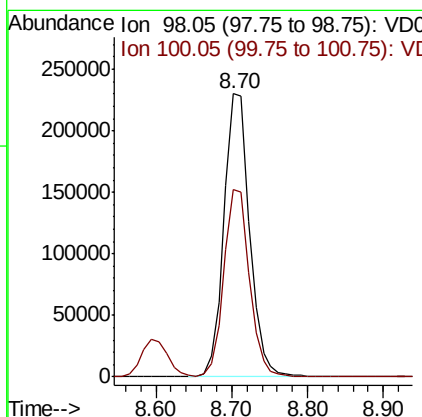
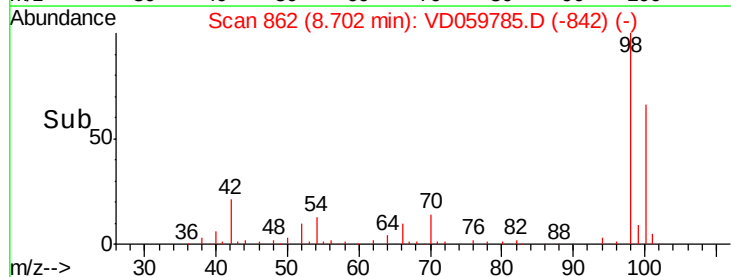
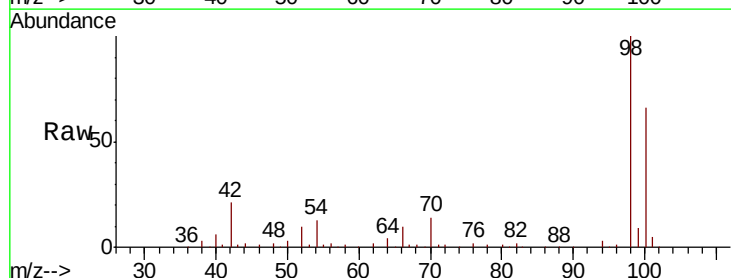
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

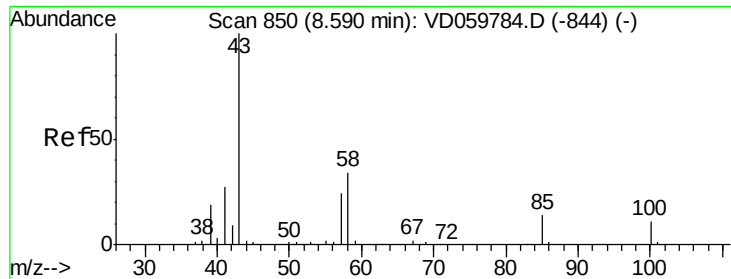
Tot Ion: 88 Resp: 20865
Ion Ratio Lower Upper
88 100
43 53.3 42.0 63.0
58 66.2 51.4 77.0



#50
Toluene-d8
Concen: 1732.73 ug/l
RT: 8.70 min Scan# 862
Delta R.T. -0.01 min
Lab File: VD059785.D
Acq: 15 Aug 2018 1:19

Tgt Ion: 98 Resp: 541391
Ion Ratio Lower Upper
98 100
100 66.2 54.2 81.4





#51

4-Methyl-2-Pentanone

Concen: 385.99 ug/l

RT: 8.59 min Scan# 851

Delta R.T. 0.00 min

Lab File: VD059785.D

Acq: 15 Aug 2018 1:19

Instrument :

MSVOA_D

ClientSampleId :

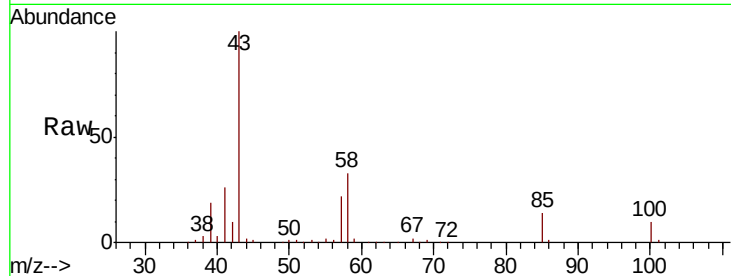
VSTDIC075

Tot Ion: 43 Resp: 699834

Ion Ratio Lower Upper

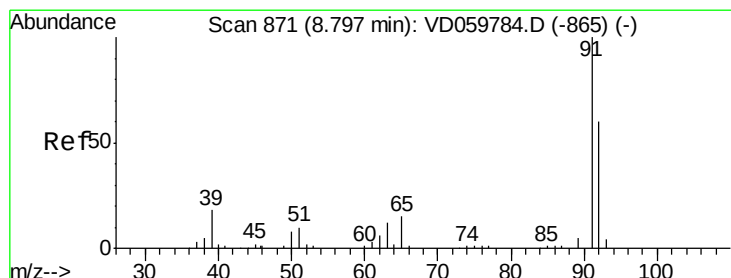
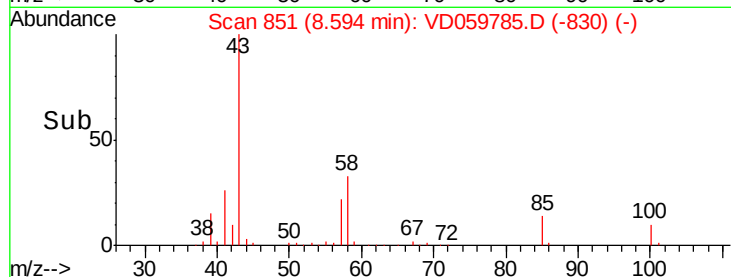
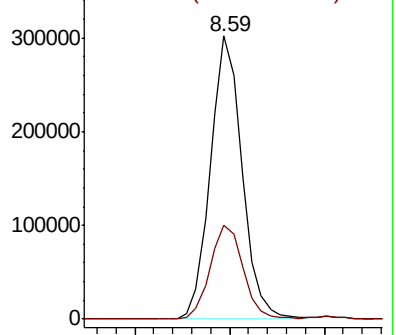
43 100

58 33.3 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: 72.67 ug/l

RT: 8.80 min Scan# 872

Delta R.T. 0.00 min

Lab File: VD059785.D

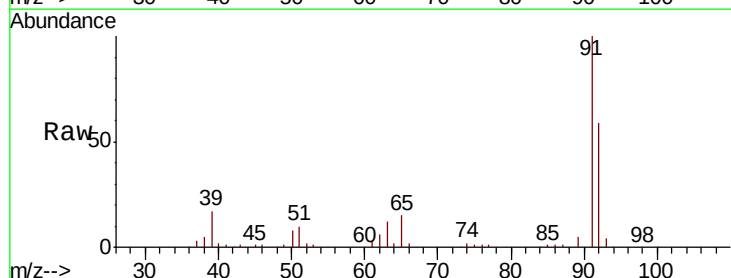
Acq: 15 Aug 2018 1:19

Tgt Ion: 92 Resp: 353902

Ion Ratio Lower Upper

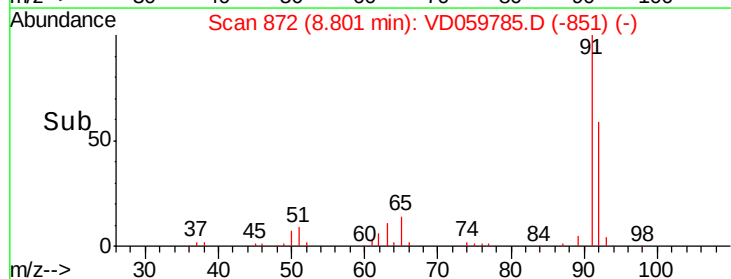
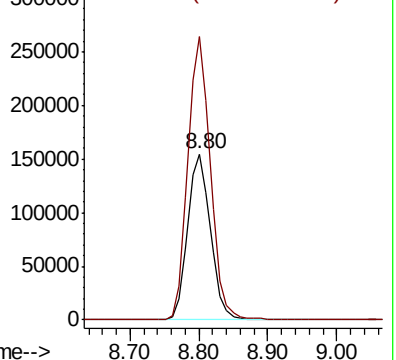
92 100

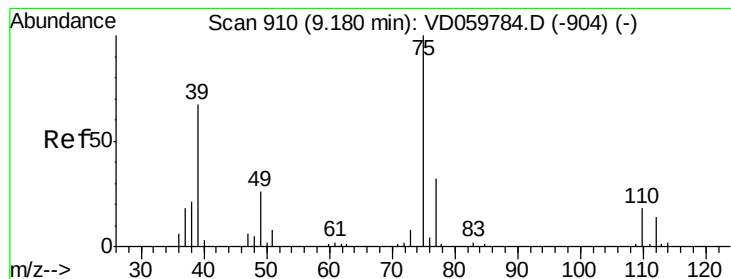
91 170.6 133.1 199.7



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: 62.22 ug/l

RT: 9.18 min Scan# 911

Delta R.T. 0.00 min

Lab File: VD059785.D

Acq: 15 Aug 2018 1:19

Instrument :

MSVOA_D

ClientSampleId :

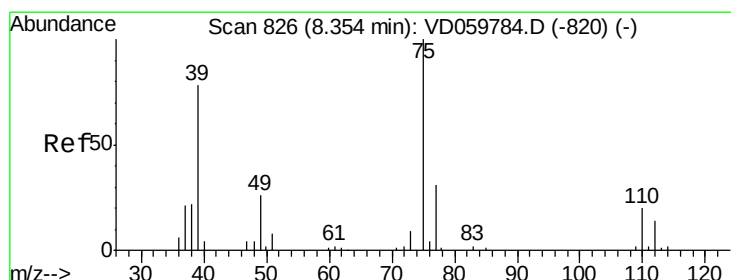
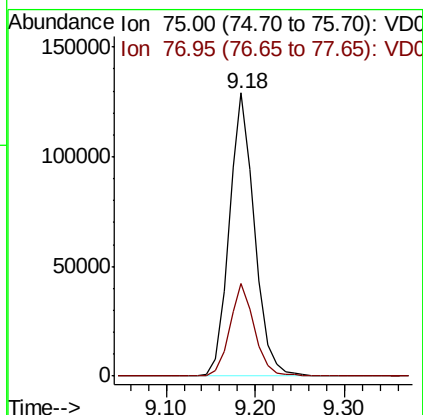
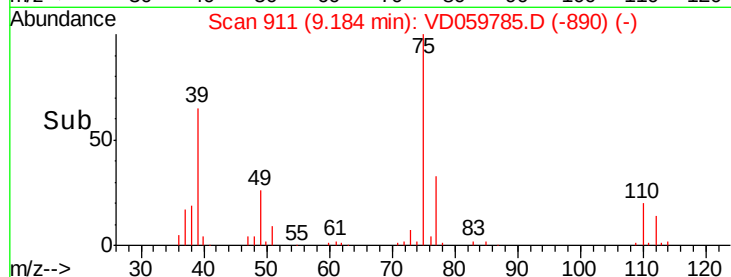
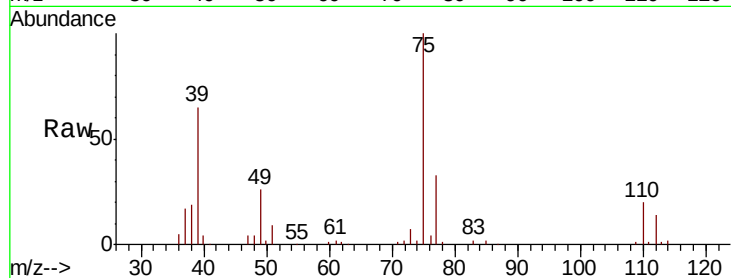
VSTDIC075

Tot Ion: 75 Resp: 255949

Ion Ratio Lower Upper

75 100

77 32.6 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 65.55 ug/l

RT: 8.36 min Scan# 827

Delta R.T. 0.00 min

Lab File: VD059785.D

Acq: 15 Aug 2018 1:19

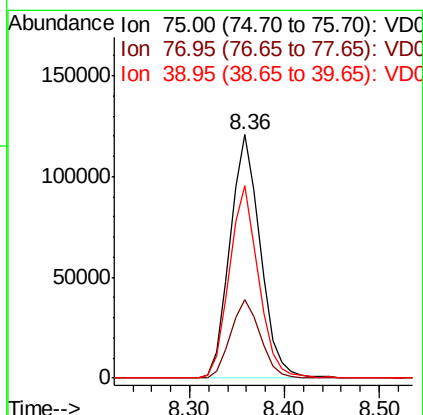
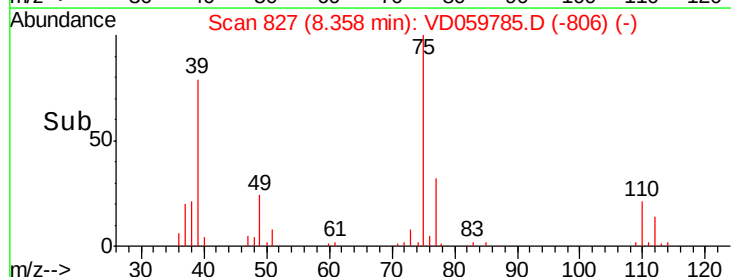
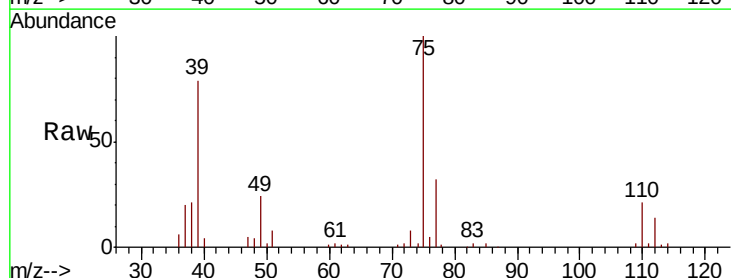
Tgt Ion: 75 Resp: 267980

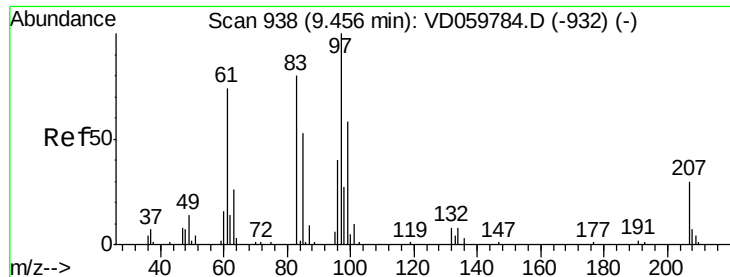
Ion Ratio Lower Upper

75 100

77 32.5 24.8 37.2

39 79.0 62.5 93.7

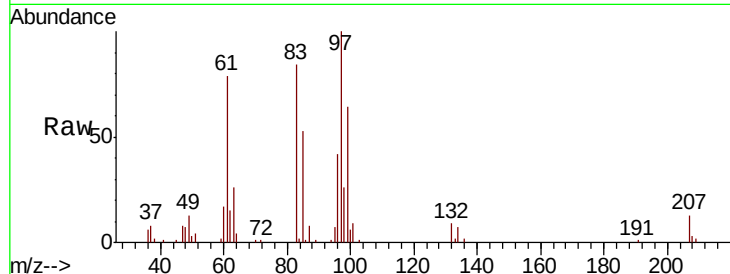




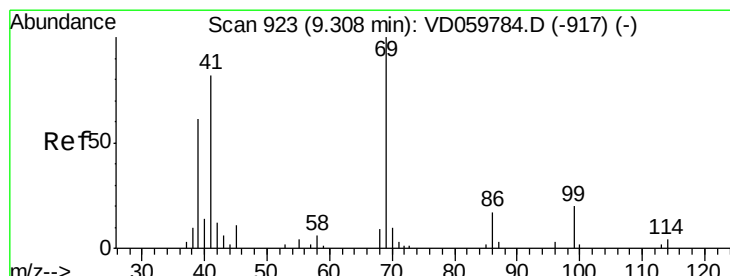
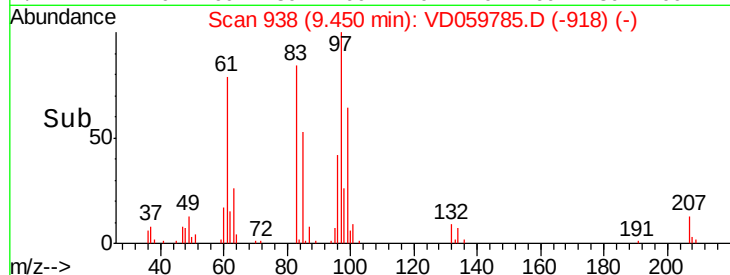
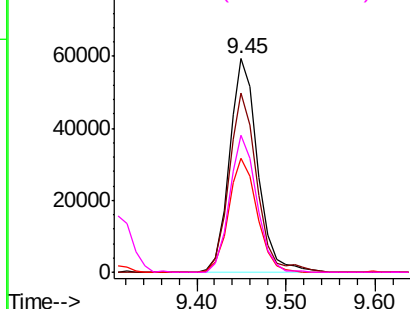
#55
 1,1,2-Trichloroethane
 Concen: 69.51 ug/l
 RT: 9.45 min Scan# 938
 Delta R.T. -0.01 min
 Lab File: VD059785.D
 Acq: 15 Aug 2018 1:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion:	97	Resp:	131332
Ion	Ratio	Lower	Upper
97	100		
83	83.8	63.8	95.8
85	53.2	42.5	63.7
99	64.2	46.2	69.4

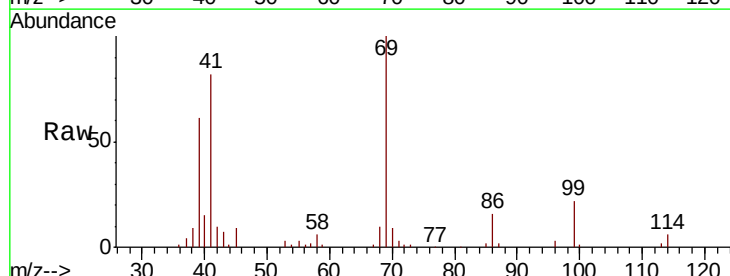


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

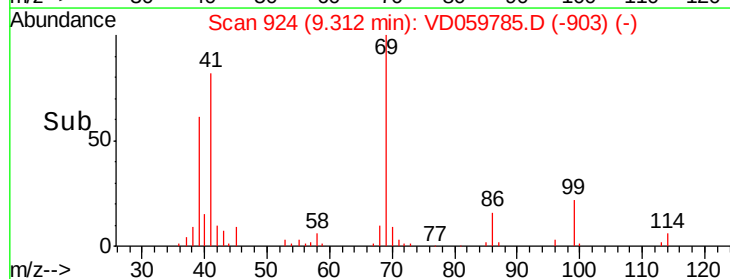
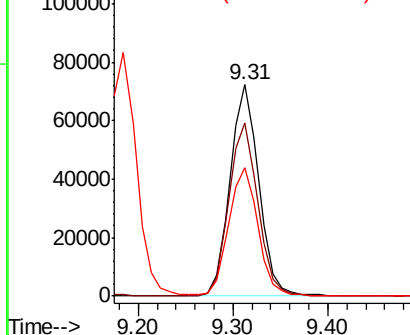


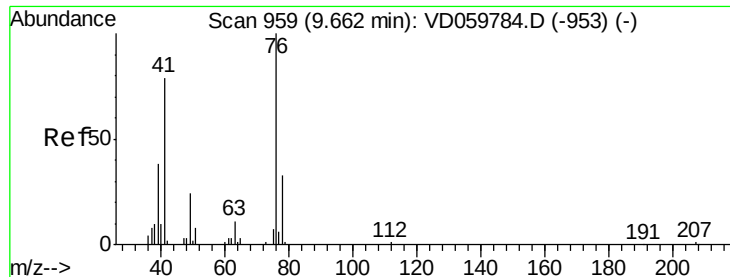
#56
 Ethyl methacrylate
 Concen: 70.41 ug/l
 RT: 9.31 min Scan# 924
 Delta R.T. 0.00 min
 Lab File: VD059785.D
 Acq: 15 Aug 2018 1:19

Tgt Ion:	69	Resp:	151600
Ion	Ratio	Lower	Upper
69	100		
41	81.9	65.8	98.8
39	61.0	49.7	74.5



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 67.22 ug/l

RT: 9.67 min Scan# 960

Delta R.T. 0.00 min

Lab File: VD059785.D

Acq: 15 Aug 2018 1:19

Instrument :

MSVOA_D

ClientSampleId :

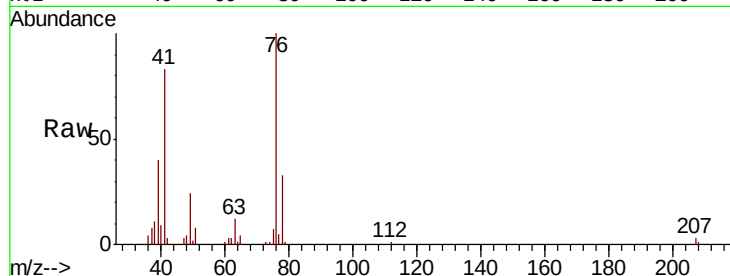
VSTDIC075

Tot Ion: 76 Resp: 207830

Ion Ratio Lower Upper

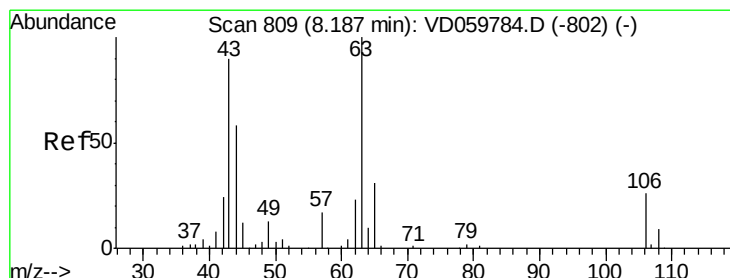
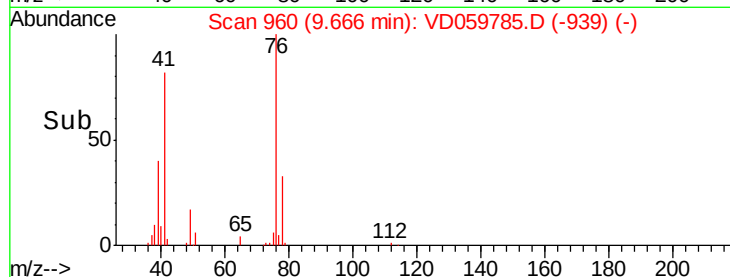
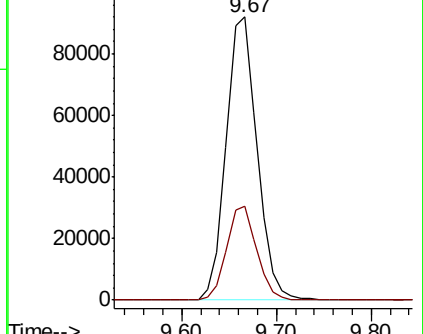
76 100

78 33.3 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: 342.11 ug/l

RT: 8.19 min Scan# 810

Delta R.T. 0.00 min

Lab File: VD059785.D

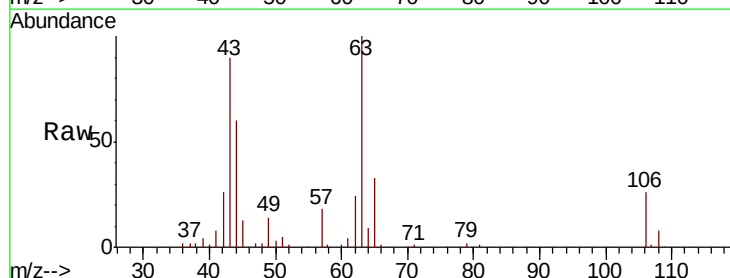
Acq: 15 Aug 2018 1:19

Tgt Ion: 63 Resp: 338242

Ion Ratio Lower Upper

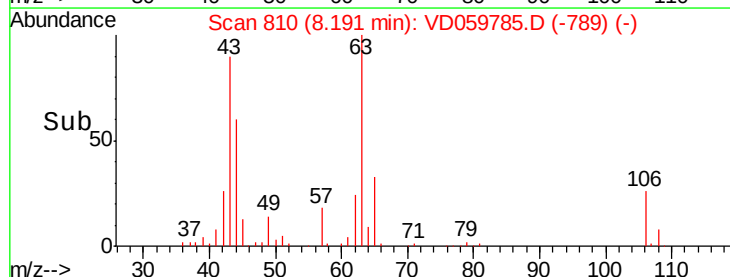
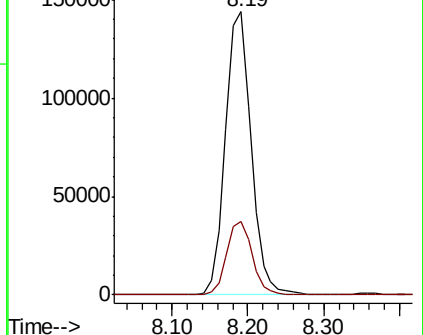
63 100

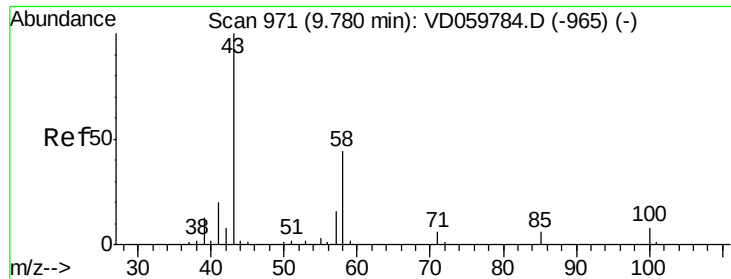
106 25.8 21.1 31.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

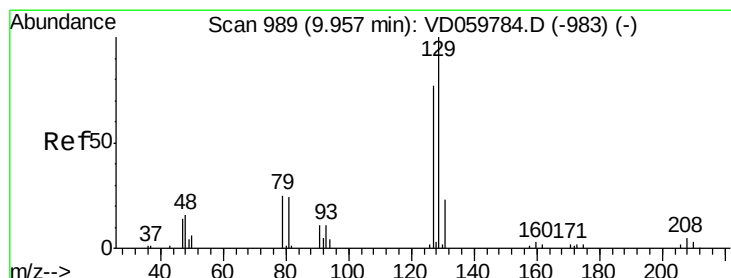
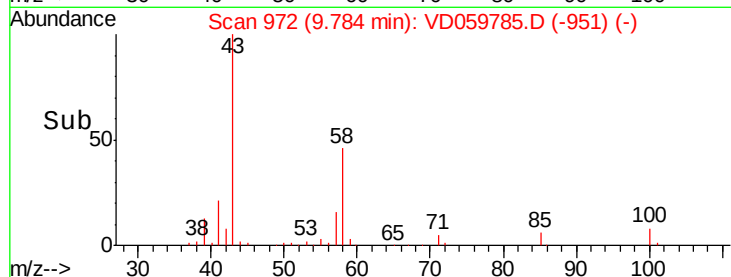
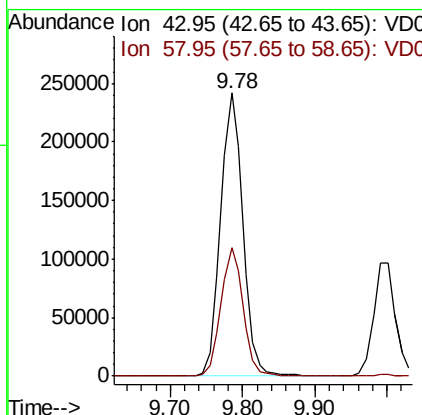
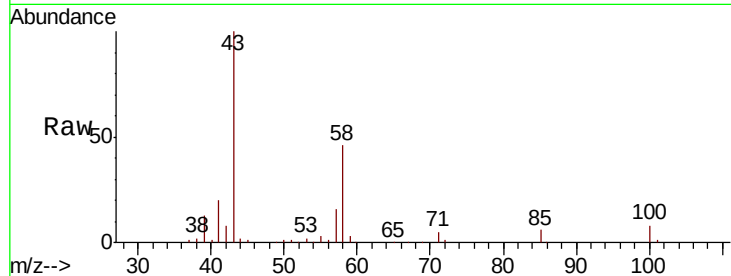




#59
2-Hexanone
Concen: 385.10 ug/l
RT: 9.78 min Scan# 972
Delta R.T. 0.00 min
Lab File: VD059785.D
Acq: 15 Aug 2018 1:19

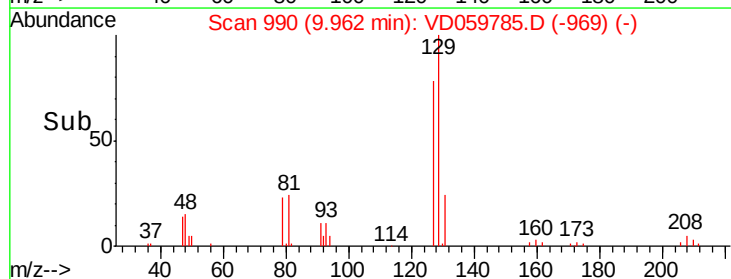
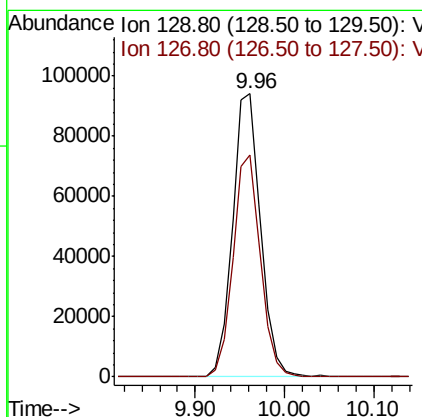
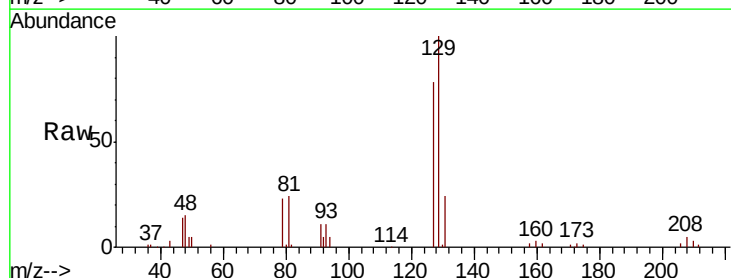
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

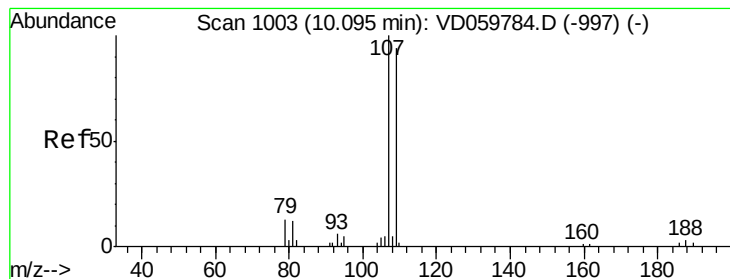
Tot Ion: 43 Resp: 514042
Ion Ratio Lower Upper
43 100
58 45.6 22.3 66.8



#60
Dibromochloromethane
Concen: 59.43 ug/l
RT: 9.96 min Scan# 990
Delta R.T. 0.00 min
Lab File: VD059785.D
Acq: 15 Aug 2018 1:19

Tgt Ion: 129 Resp: 206692
Ion Ratio Lower Upper
129 100
127 78.4 38.4 115.1





#61

1,2-Dibromoethane

Concen: 65.61 ug/l

RT: 10.09 min Scan# 1003

Delta R.T. -0.01 min

Lab File: VD059785.D

Acq: 15 Aug 2018 1:19

Instrument :

MSVOA_D

ClientSampleId :

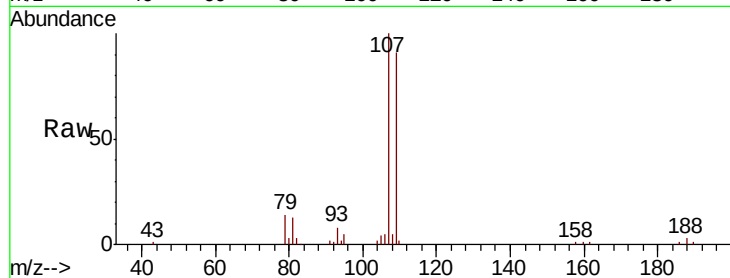
VSTDIC075

Tot Ion:107 Resp: 150928

Ion Ratio Lower Upper

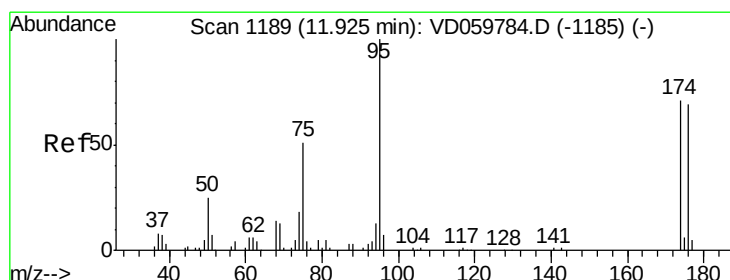
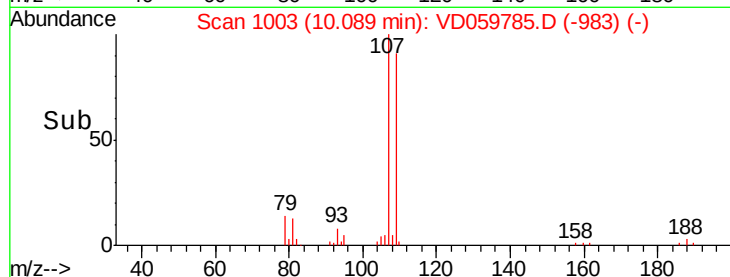
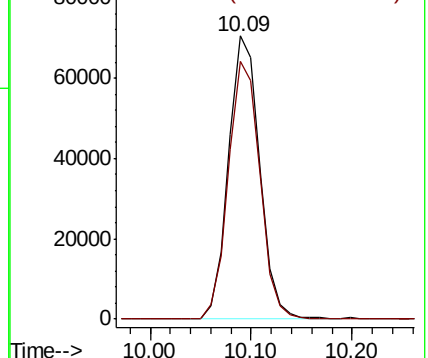
107 100

109 91.2 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 65.61 ug/l

RT: 11.93 min Scan# 1190

Delta R.T. 0.00 min

Lab File: VD059785.D

Acq: 15 Aug 2018 1:19

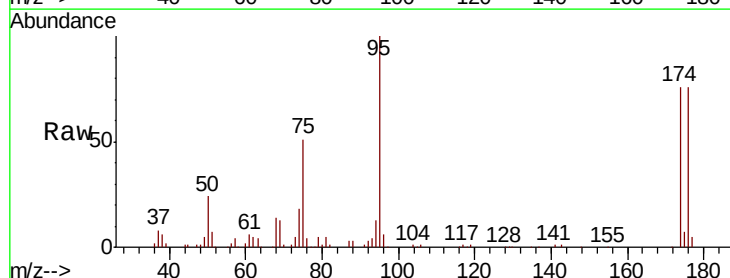
Tgt Ion: 95 Resp: 240588

Ion Ratio Lower Upper

95 100

174 75.5 0.0 142.2

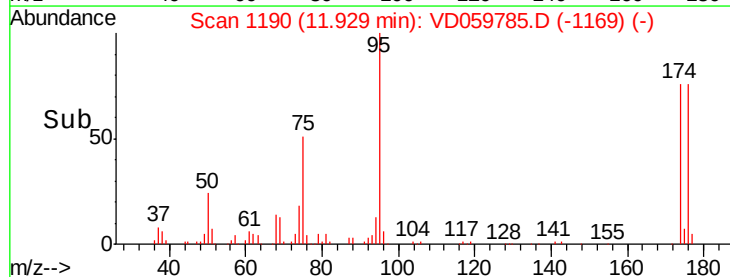
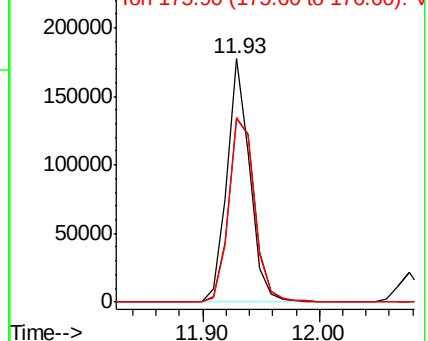
176 75.7 0.0 137.4

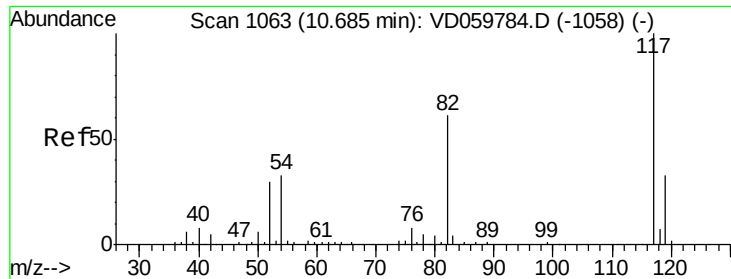


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

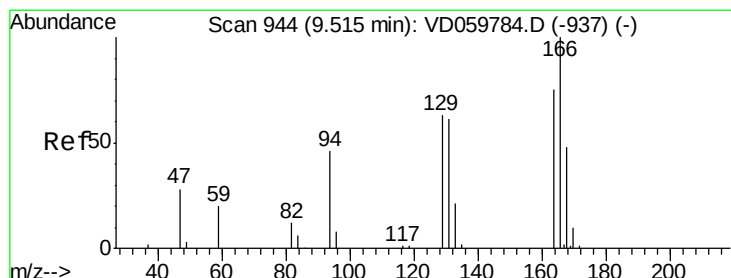
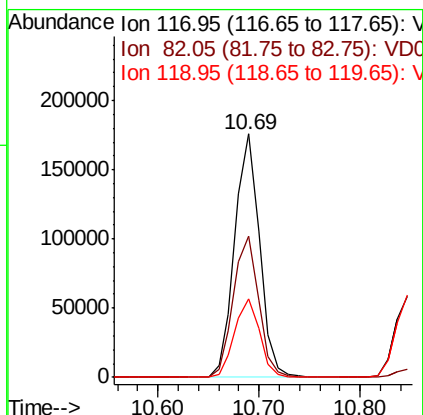
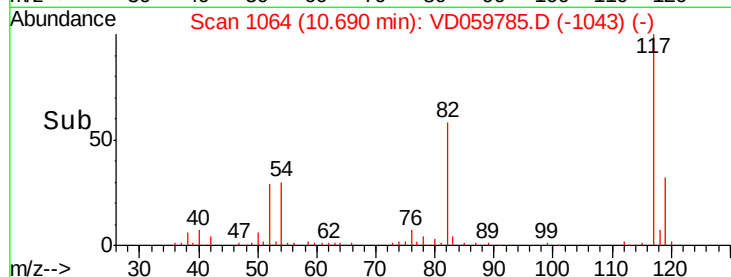
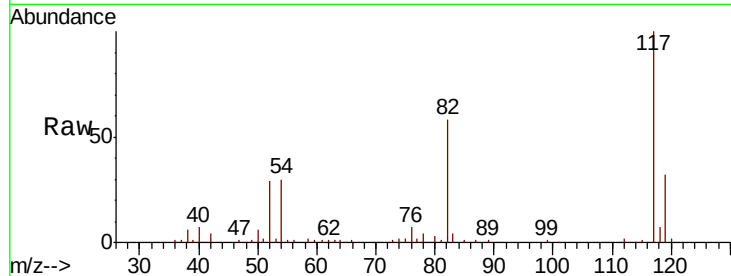




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.69 min Scan# 1064
Delta R.T. 0.00 min
Lab File: VD059785.D
Acq: 15 Aug 2018 1:19

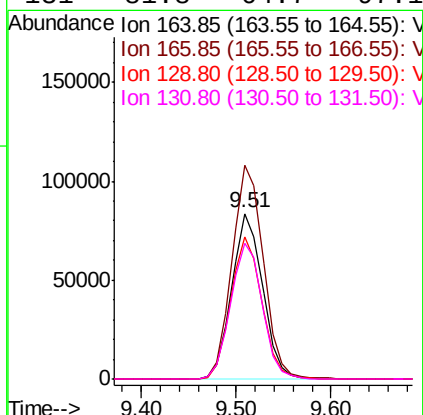
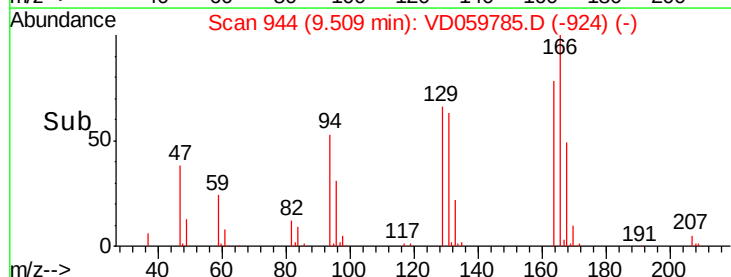
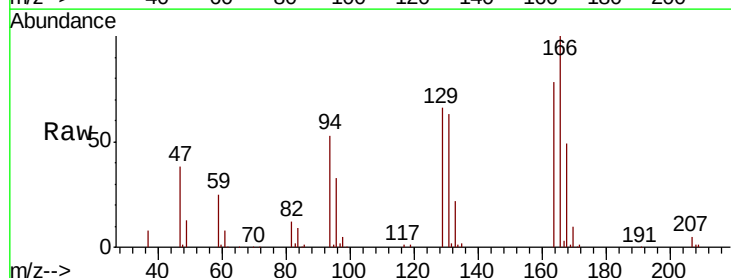
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

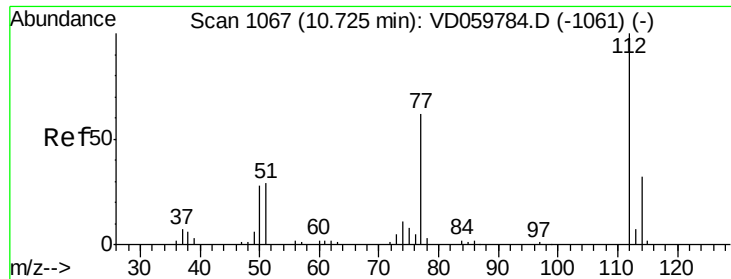
Tot Ion:117 Resp: 301613
Ion Ratio Lower Upper
117 100
82 57.8 49.0 73.6
119 32.2 26.2 39.2



#64
Tetrachloroethene
Concen: 65.30 ug/l
RT: 9.51 min Scan# 944
Delta R.T. -0.01 min
Lab File: VD059785.D
Acq: 15 Aug 2018 1:19

Tgt Ion:164 Resp: 188302
Ion Ratio Lower Upper
164 100
166 128.9 106.8 160.2
129 85.5 67.2 100.8
131 81.8 64.7 97.1

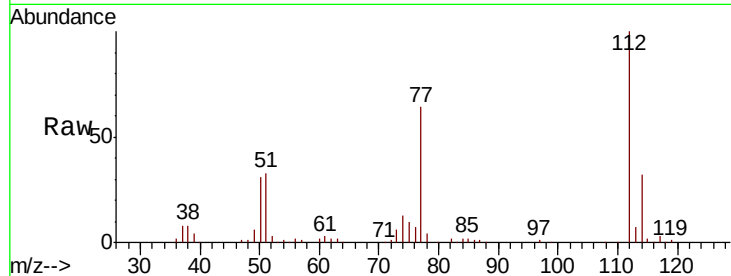




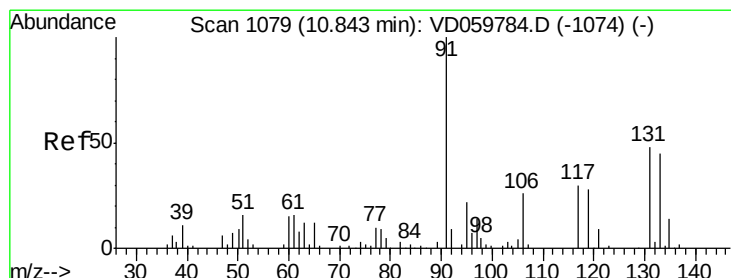
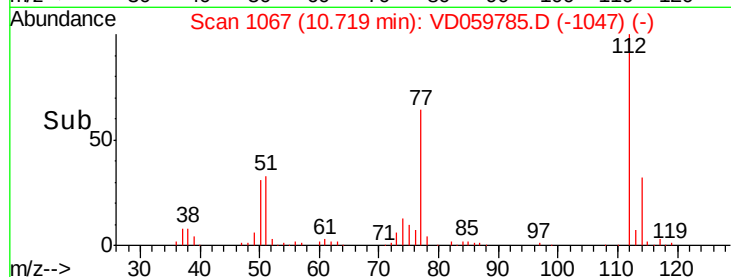
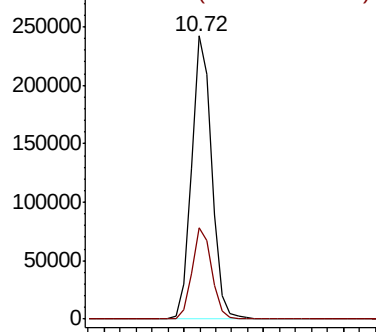
#65
Chlorobenzene
Concen: 71.07 ug/l
RT: 10.72 min Scan# 1067
Delta R.T. -0.01 min
Lab File: VD059785.D
Acq: 15 Aug 2018 1:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion:112 Resp: 433773
Ion Ratio Lower Upper
112 100
114 32.2 25.8 38.6

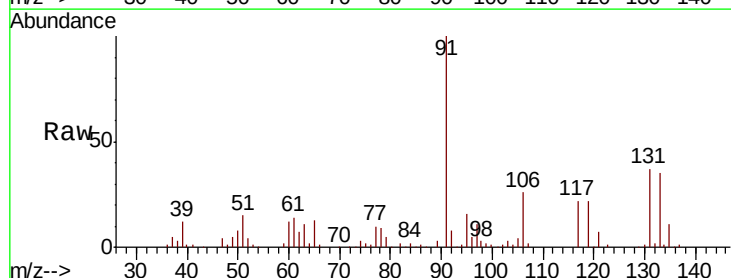


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 114.00 (113.70 to 114.70): V

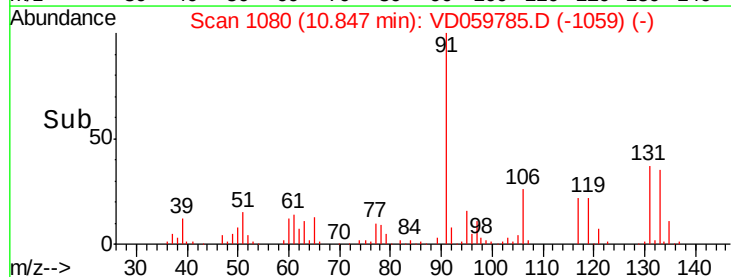
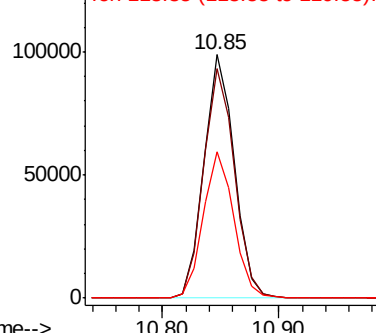


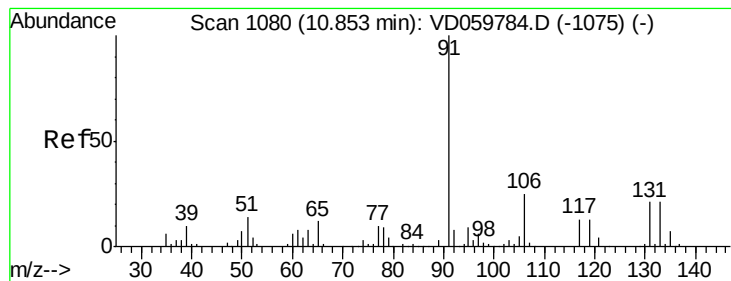
#66
1,1,1,2-Tetrachloroethane
Concen: 59.91 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VD059785.D
Acq: 15 Aug 2018 1:19

Tgt Ion:131 Resp: 178542
Ion Ratio Lower Upper
131 100
133 94.1 47.0 141.0
119 60.3 29.0 87.1



Abundance Ion 130.90 (130.60 to 131.60): V
Ion 132.90 (132.60 to 133.60): V
Ion 118.85 (118.55 to 119.55): V





#67

Ethyl Benzene

Concen: 67.44 ug/l

RT: 10.86 min Scan# 1081

Delta R.T. 0.00 min

Lab File: VD059785.D

Acq: 15 Aug 2018 1:19

Instrument :

MSVOA_D

ClientSampleId :

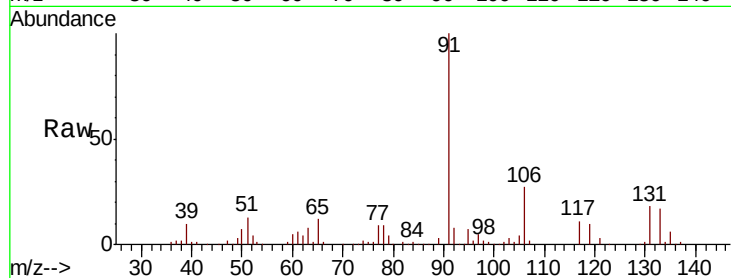
VSTDIC075

Tot Ion: 91 Resp: 760753

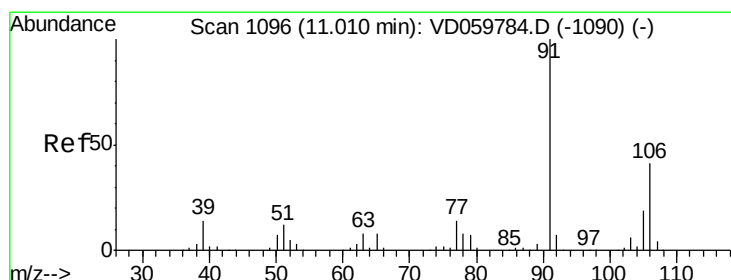
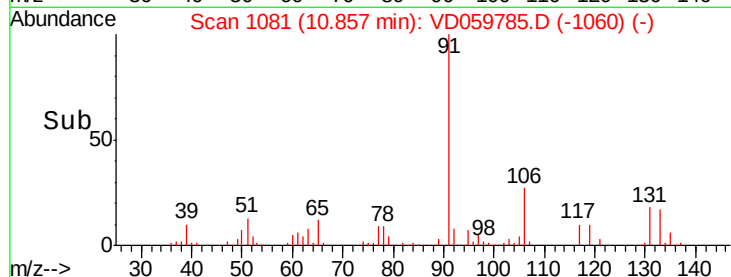
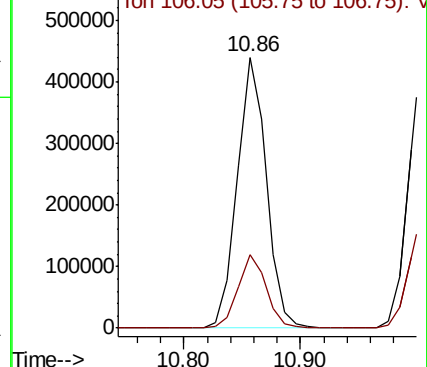
Ion Ratio Lower Upper

91 100

106 27.3 20.1 30.1



Abundance Ion 91.00 (90.70 to 91.70): VDC



#68

m/p-Xylenes

Concen: 130.51 ug/l

RT: 11.01 min Scan# 1097

Delta R.T. 0.00 min

Lab File: VD059785.D

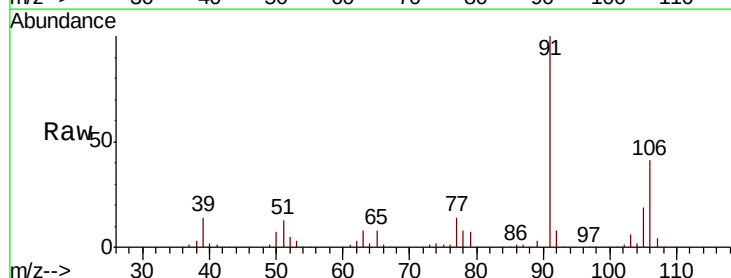
Acq: 15 Aug 2018 1:19

Tgt Ion: 106 Resp: 482191

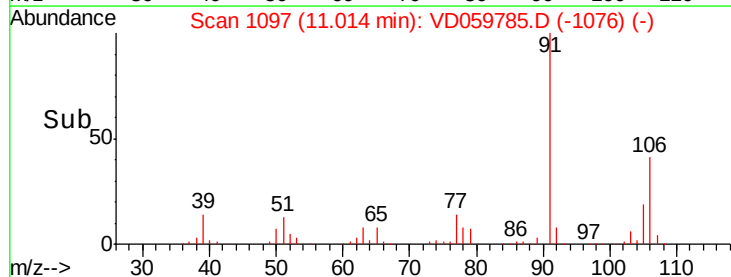
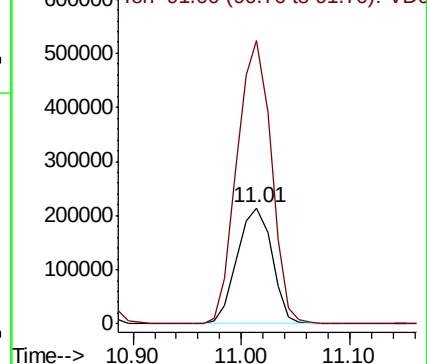
Ion Ratio Lower Upper

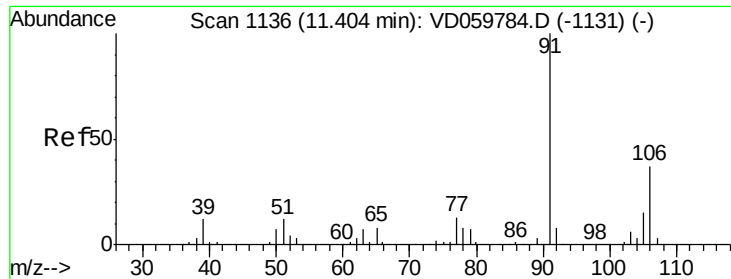
106 100

91 243.7 197.4 296.0



Abundance Ion 106.05 (105.75 to 106.75): VDC

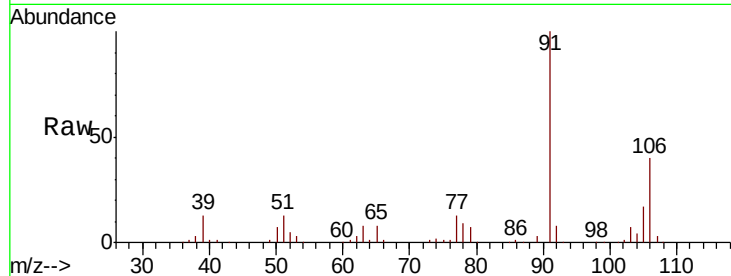




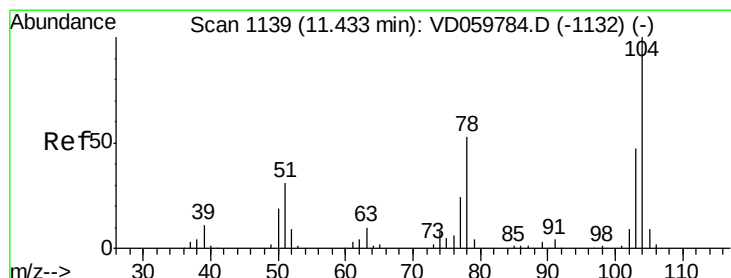
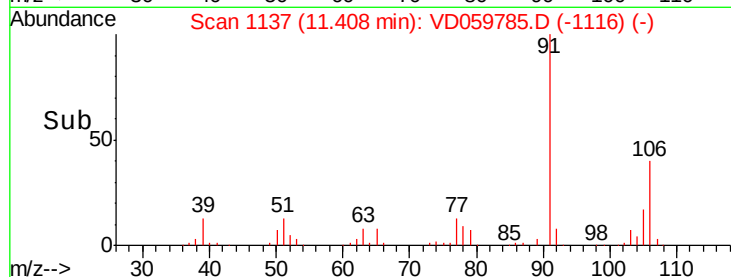
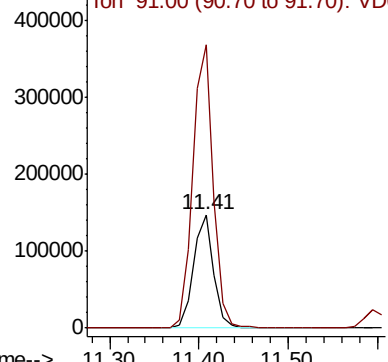
#69
o-Xylene
Concen: 65.61 ug/l
RT: 11.41 min Scan# 1137
Delta R.T. 0.00 min
Lab File: VD059785.D
Acq: 15 Aug 2018 1:19

Instrument :
MSVOA_D
ClientSampleID :
VSTDIC075

Tot Ion:106 Resp: 234194
Ion Ratio Lower Upper
106 100
91 249.0 133.7 401.1

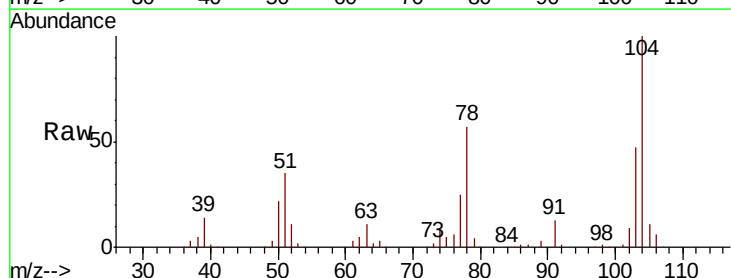


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

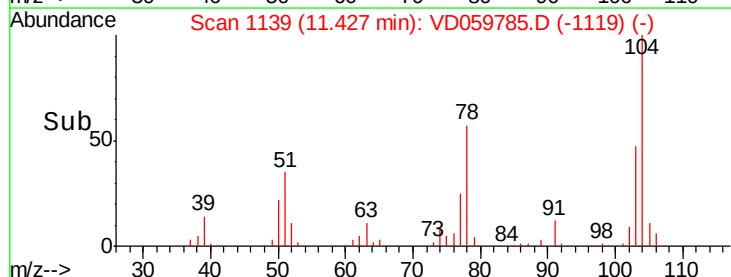
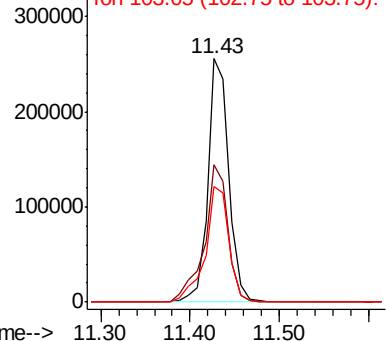


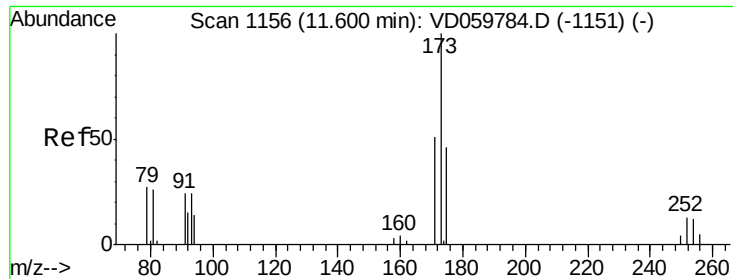
#70
Styrene
Concen: 70.73 ug/l
RT: 11.43 min Scan# 1139
Delta R.T. -0.01 min
Lab File: VD059785.D
Acq: 15 Aug 2018 1:19

Tgt Ion:104 Resp: 418468
Ion Ratio Lower Upper
104 100
78 56.7 42.6 64.0
103 47.5 37.8 56.6



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





#71

Bromoform

Concen: 63.06 ug/l

RT: 11.59 min Scan# 1156

Delta R.T. -0.01 min

Lab File: VD059785.D

Acq: 15 Aug 2018 1:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

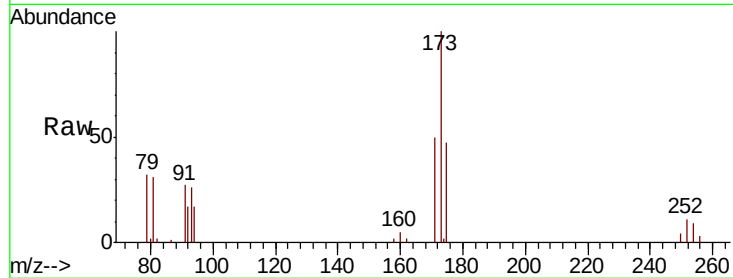
Tot Ion:173 Resp: 140370

Ion Ratio Lower Upper

173 100

175 47.3 23.1 69.2

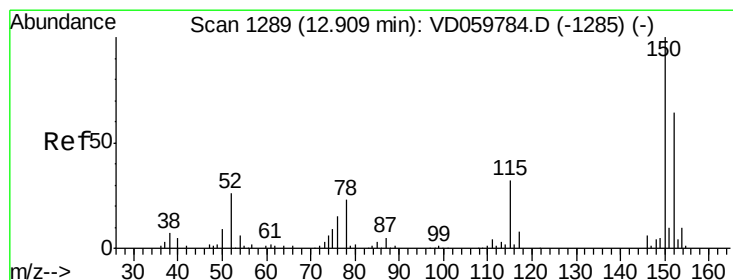
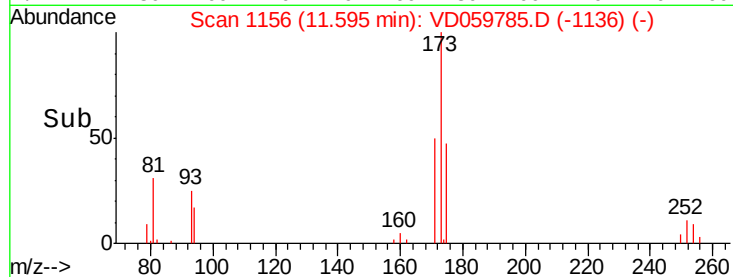
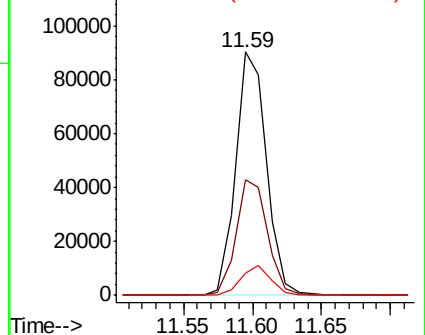
254 9.2 9.7 14.5#



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.90 min Scan# 1289

Delta R.T. -0.01 min

Lab File: VD059785.D

Acq: 15 Aug 2018 1:19

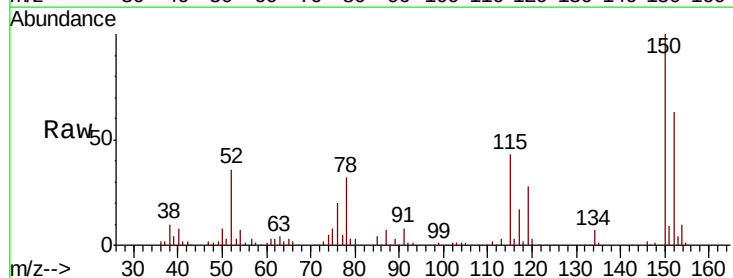
Tgt Ion:152 Resp: 160475

Ion Ratio Lower Upper

152 100

115 68.3 27.2 81.5

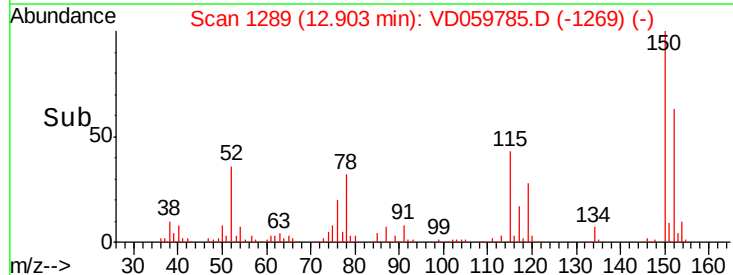
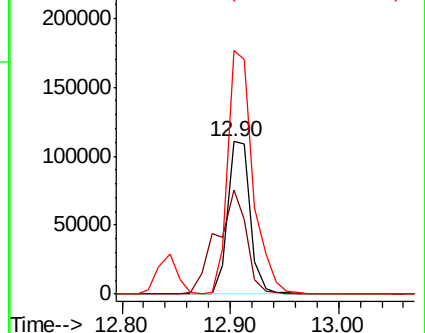
150 159.9 0.0 312.4

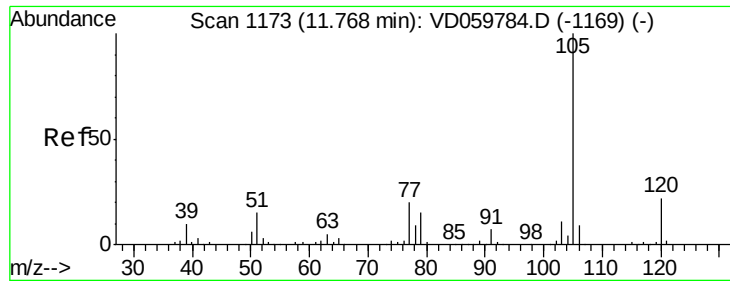


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 65.98 ug/l

RT: 11.77 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VD059785.D

Acq: 15 Aug 2018 1:19

Instrument :

MSVOA_D

ClientSampleId :

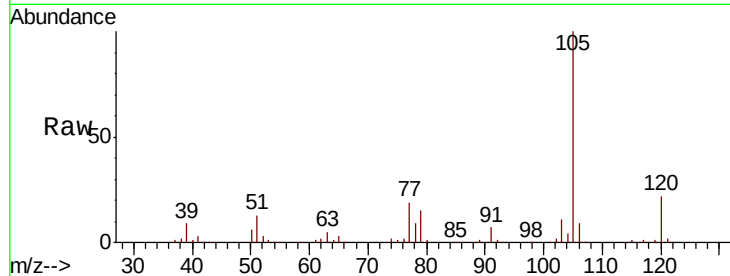
VSTDIC075

Tot Ion:105 Resp: 711598

Ion Ratio Lower Upper

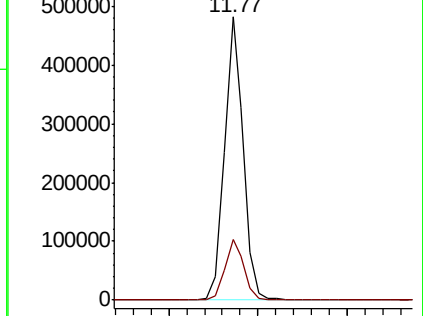
105 100

120 21.5 10.9 32.6

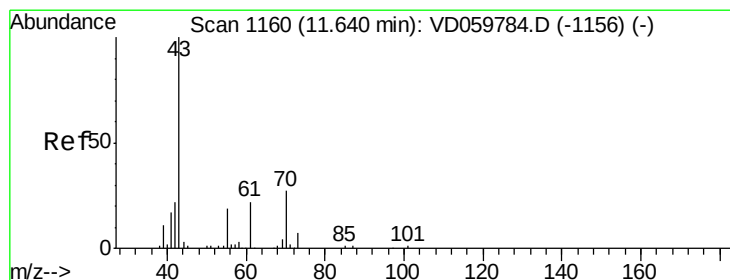
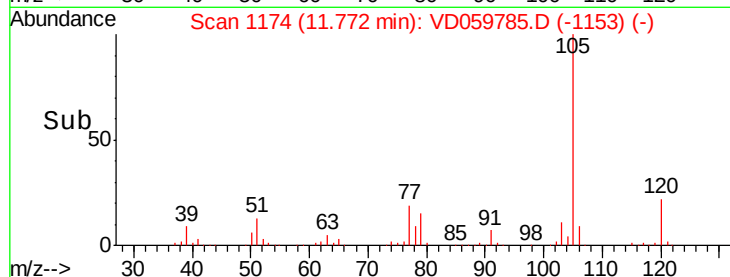


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



Time-->



#74

N-ethyl acetate

Concen: 76.46 ug/l

RT: 11.64 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VD059785.D

Acq: 15 Aug 2018 1:19

Tgt Ion: 43 Resp: 237982

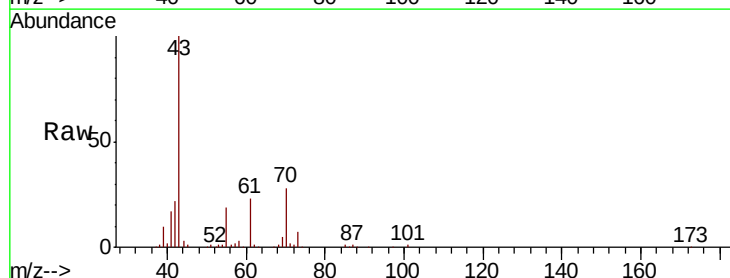
Ion Ratio Lower Upper

43 100

70 28.2 21.8 32.6

55 19.3 15.1 22.7

61 22.8 18.0 27.0

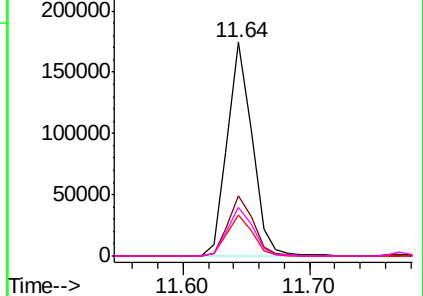


Abundance Ion 42.95 (42.65 to 43.65): VDC

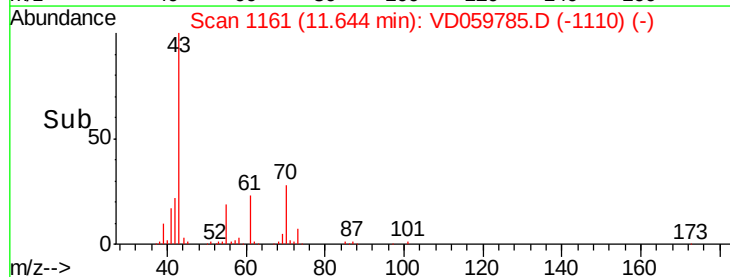
Ion 70.00 (69.70 to 70.70): VDC

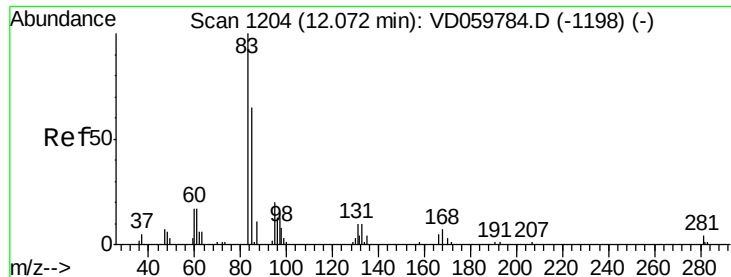
Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC



Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 76.32 ug/l

RT: 12.08 min Scan# 1205

Delta R.T. 0.00 min

Lab File: VD059785.D

Acq: 15 Aug 2018 1:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

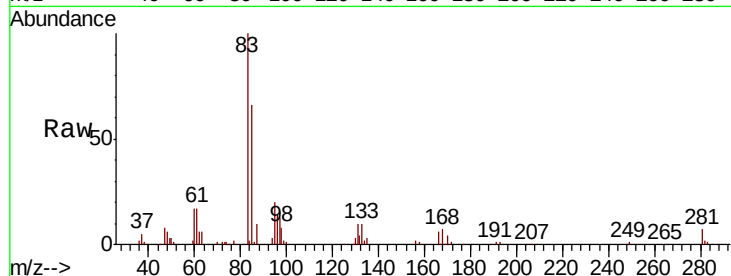
Tot Ion: 83 Resp: 152446

Ion Ratio Lower Upper

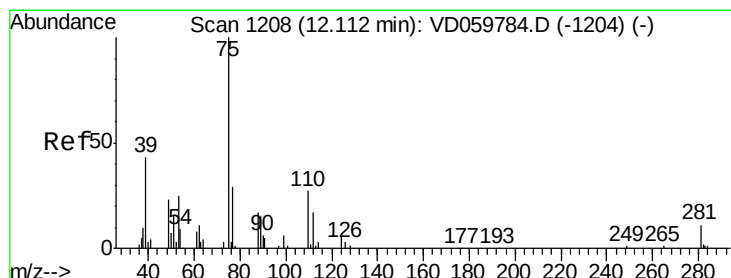
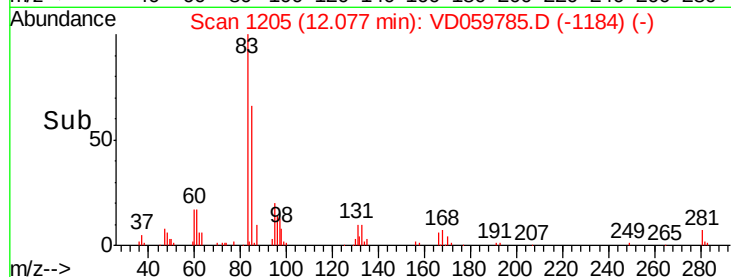
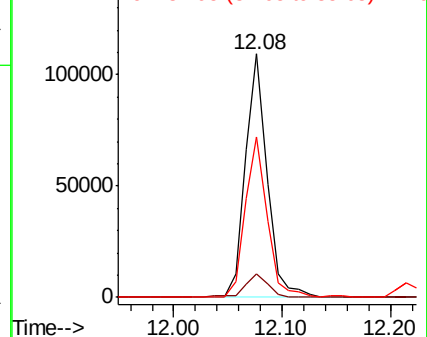
83 100

131 9.6 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: 70.26 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. -0.01 min

Lab File: VD059785.D

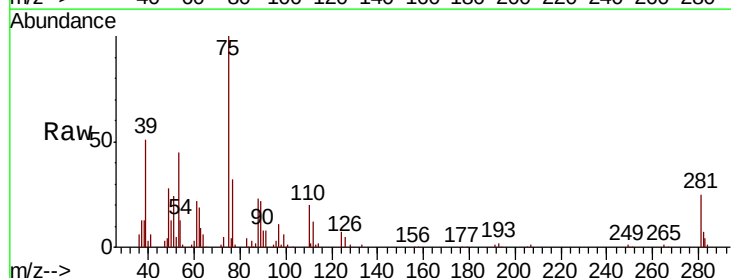
Acq: 15 Aug 2018 1:19

Tgt Ion: 75 Resp: 162713

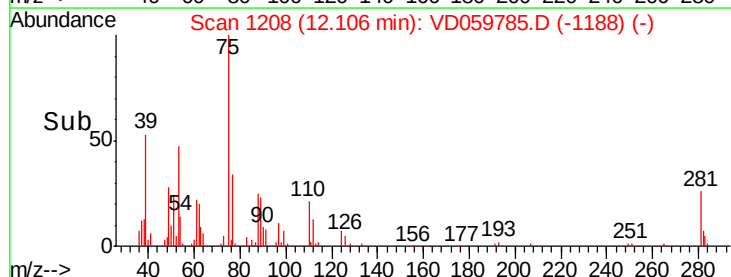
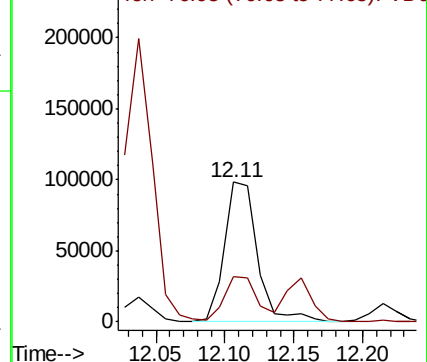
Ion Ratio Lower Upper

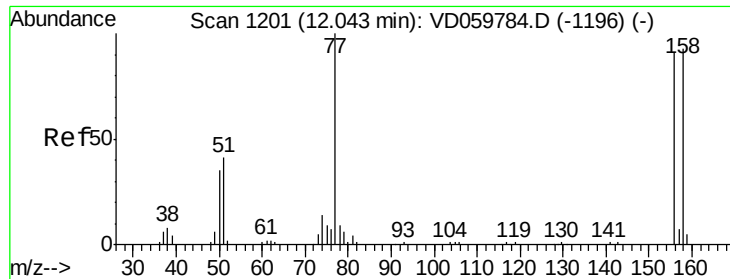
75 100

77 32.3 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: 67.50 ug/l

RT: 12.04 min Scan# 1201

Delta R.T. -0.01 min

Lab File: VD059785.D

Acq: 15 Aug 2018 1:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

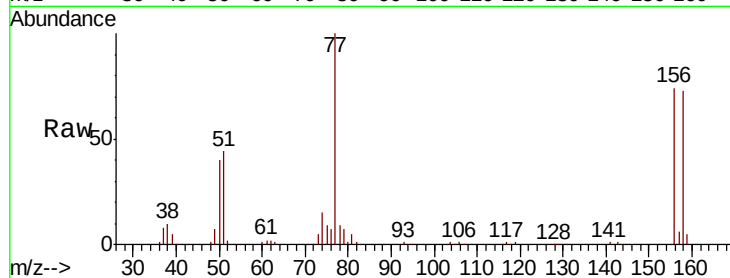
Tot Ion:156 Resp: 212758

Ion Ratio Lower Upper

156 100

77 134.7 54.9 164.8

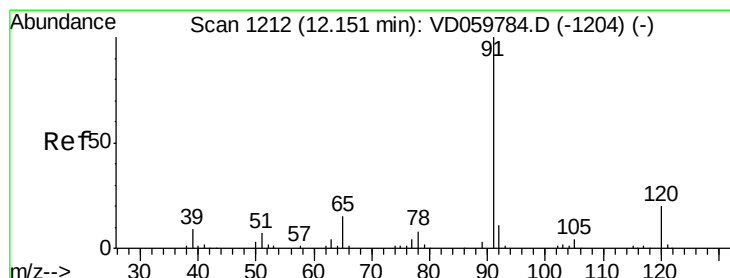
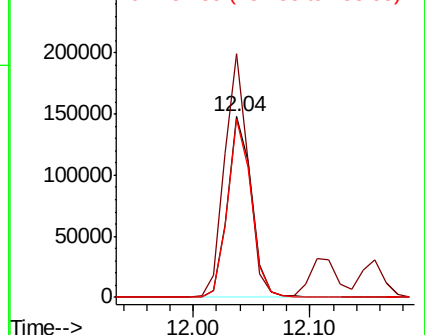
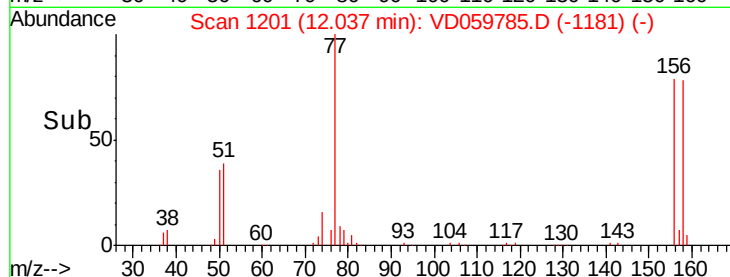
158 98.5 51.2 153.6



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: 69.24 ug/l

RT: 12.16 min Scan# 1213

Delta R.T. 0.00 min

Lab File: VD059785.D

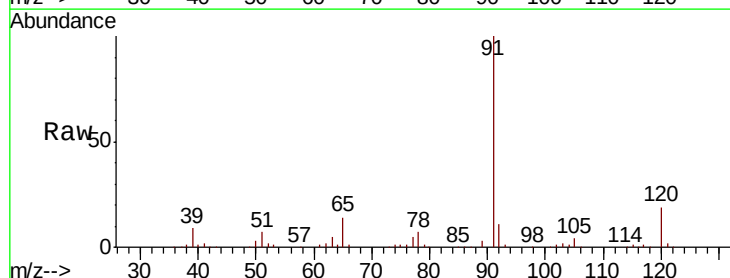
Acq: 15 Aug 2018 1:19

Tgt Ion: 91 Resp: 910376

Ion Ratio Lower Upper

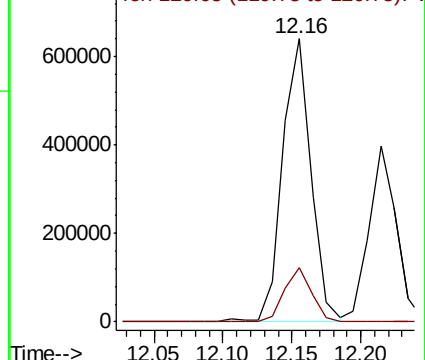
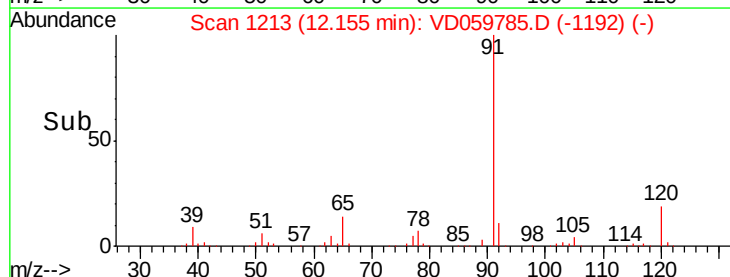
91 100

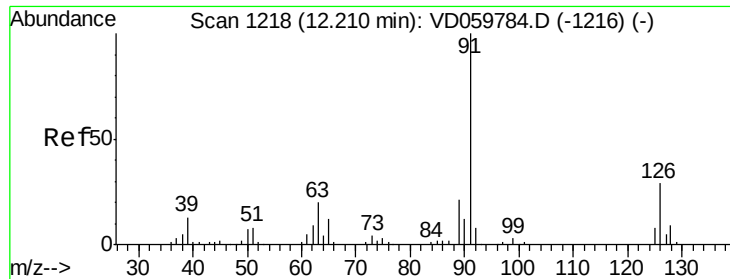
120 19.0 9.8 29.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

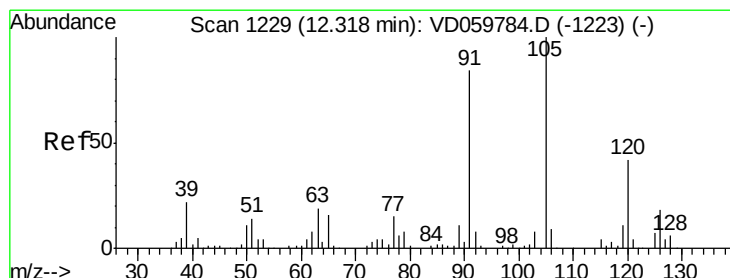
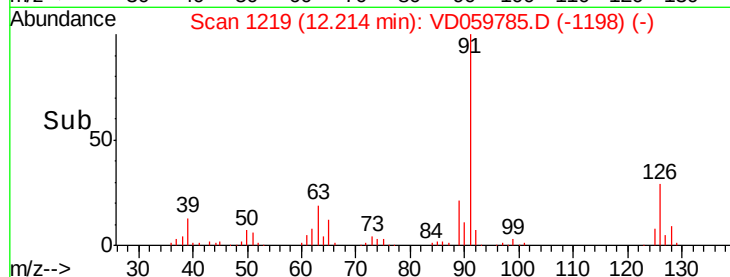
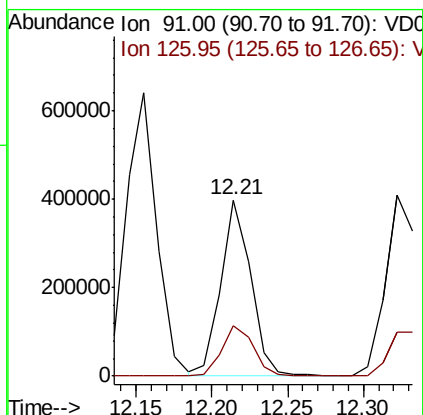
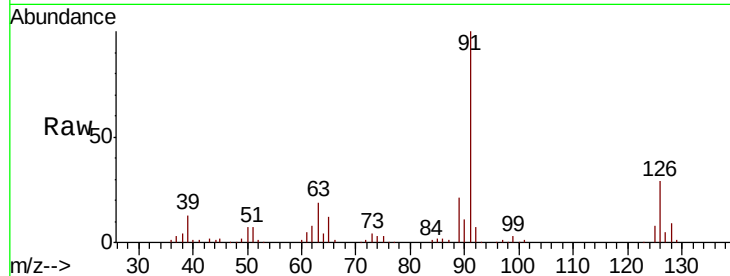




#79
 2-Chlorotoluene
 Concen: 65.74 ug/l
 RT: 12.21 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VD059785.D
 Acq: 15 Aug 2018 1:19

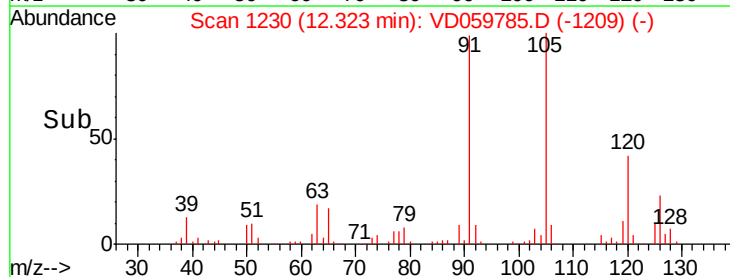
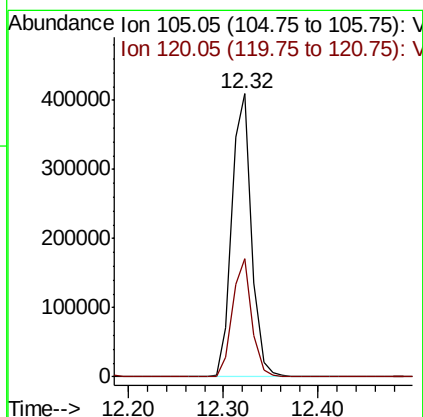
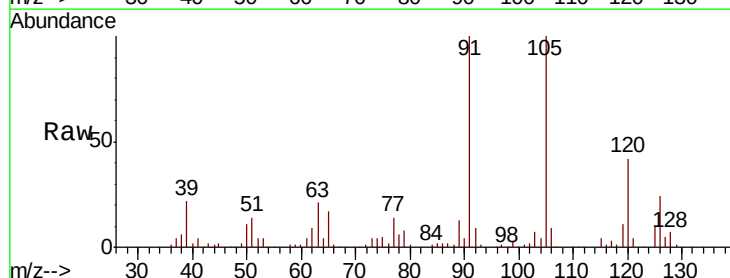
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

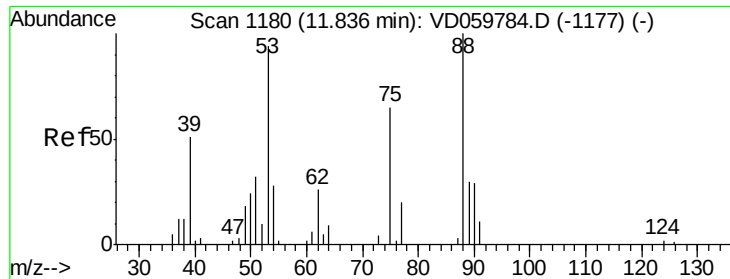
Tot Ion: 91 Resp: 545914
 Ion Ratio Lower Upper
 91 100
 126 29.0 14.0 41.9



#80
 1,3,5-Trimethylbenzene
 Concen: 63.52 ug/l
 RT: 12.32 min Scan# 1230
 Delta R.T. 0.00 min
 Lab File: VD059785.D
 Acq: 15 Aug 2018 1:19

Tgt Ion: 105 Resp: 587833
 Ion Ratio Lower Upper
 105 100
 120 41.7 20.8 62.5





#81

trans-1,4-Dichloro-2-butene

Concen: 81.83 ug/l

RT: 11.84 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD059785.D

Acq: 15 Aug 2018 1:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

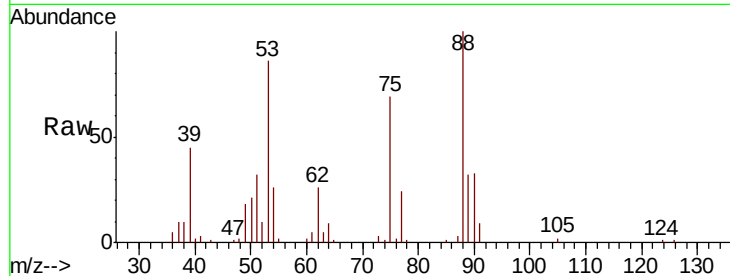
Tot Ion: 75 Resp: 43868

Ion Ratio Lower Upper

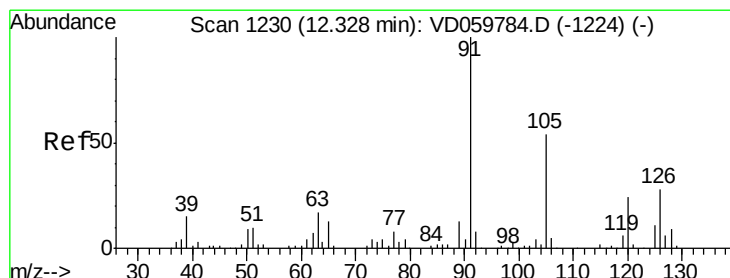
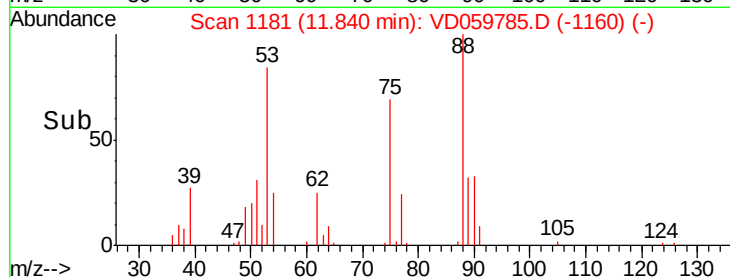
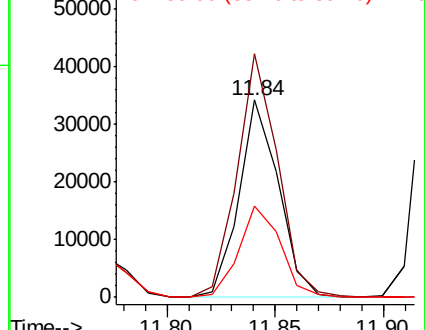
75 100

53 123.4 116.2 174.2

89 46.6 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: 61.97 ug/l

RT: 12.32 min Scan# 1230

Delta R.T. -0.01 min

Lab File: VD059785.D

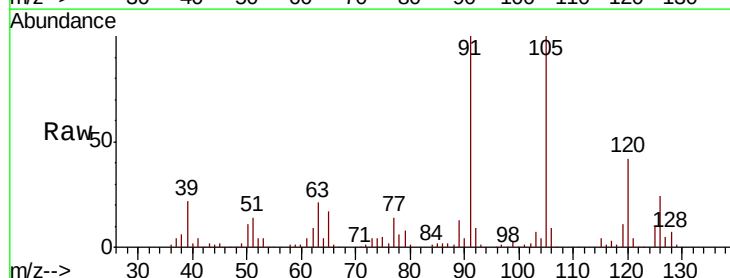
Acq: 15 Aug 2018 1:19

Tgt Ion: 91 Resp: 599949

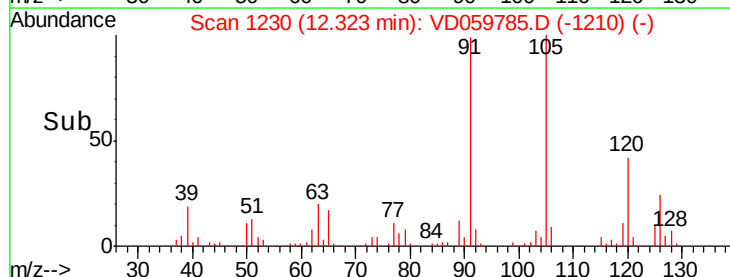
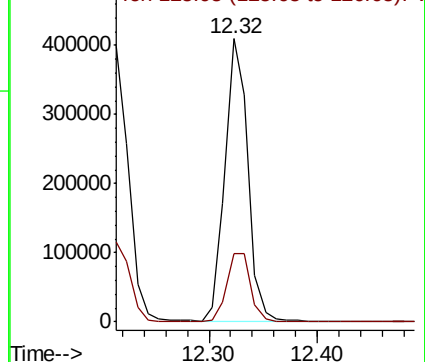
Ion Ratio Lower Upper

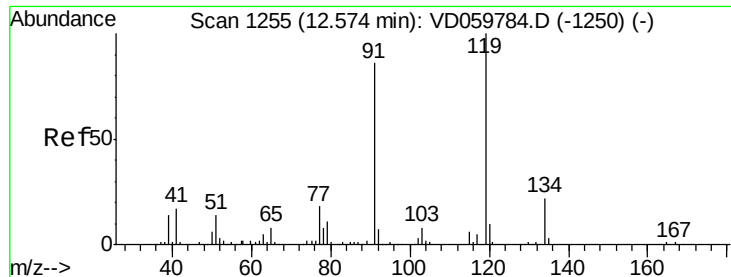
91 100

126 24.3 13.9 41.7



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

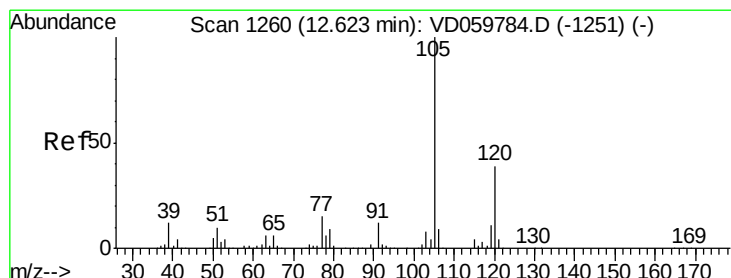
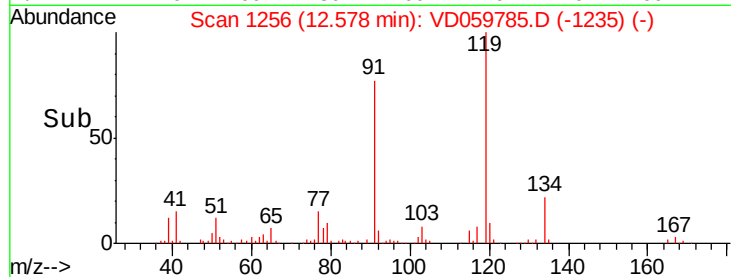
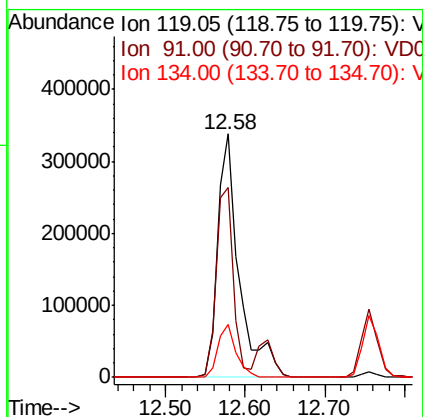
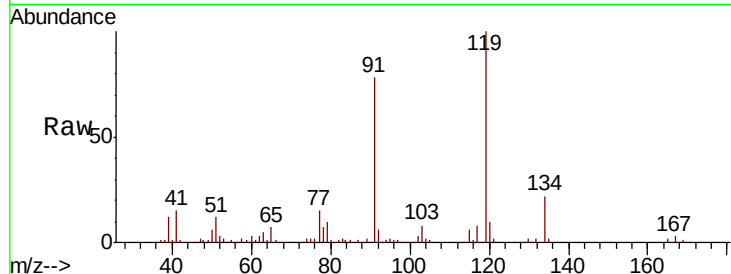




#83
tert-Butylbenzene
Concen: 63.45 ug/l
RT: 12.58 min Scan# 1256
Delta R.T. 0.00 min
Lab File: VD059785.D
Acq: 15 Aug 2018 1:19

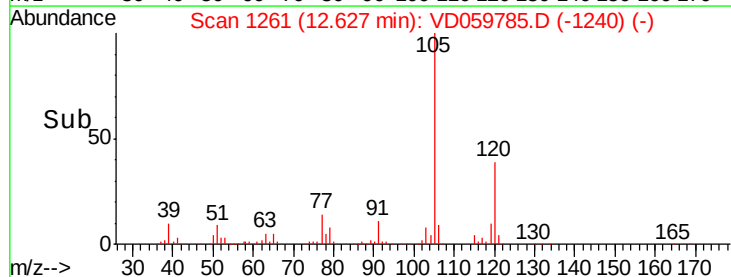
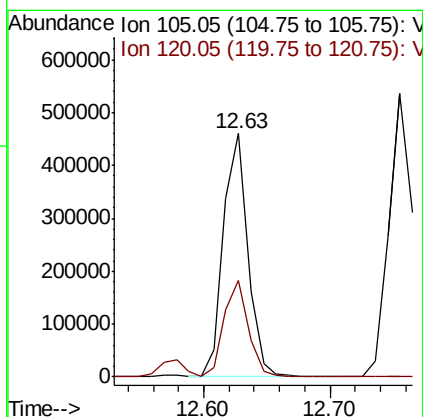
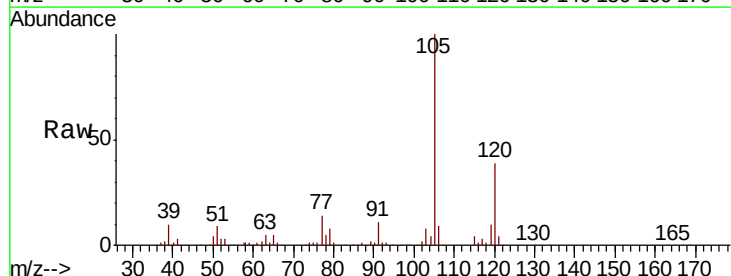
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

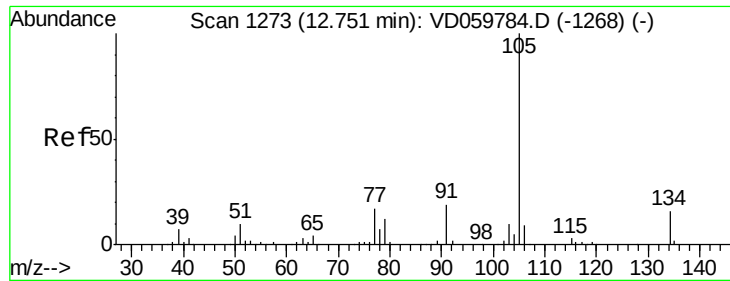
Tot Ion:119 Resp: 640845
Ion Ratio Lower Upper
119 100
91 78.0 43.1 129.3
134 21.8 11.2 33.5



#84
1,2,4-Trimethylbenzene
Concen: 64.47 ug/l
RT: 12.63 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VD059785.D
Acq: 15 Aug 2018 1:19

Tgt Ion:105 Resp: 616440
Ion Ratio Lower Upper
105 100
120 39.5 19.6 58.8

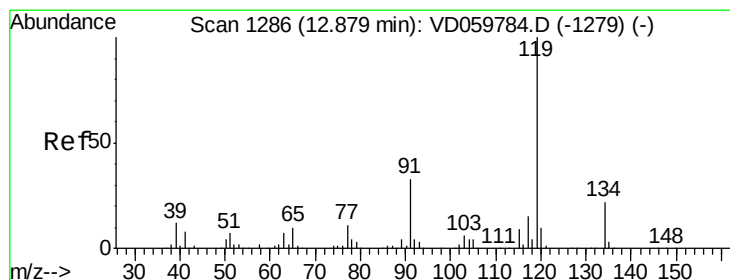
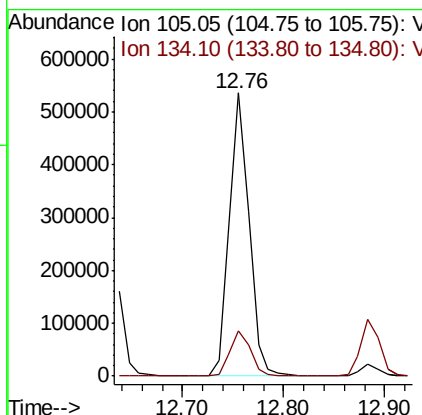
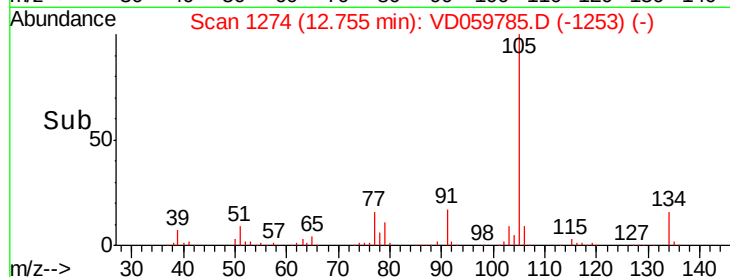
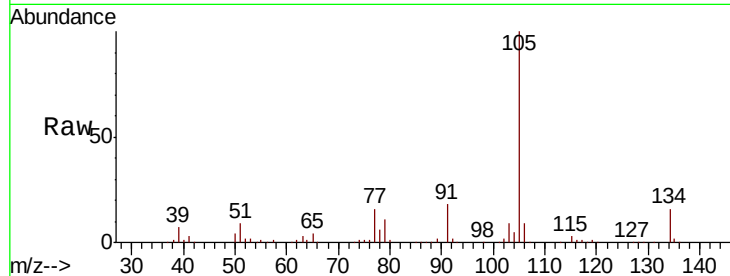




#85
 sec-Butylbenzene
 Concen: 66.85 ug/l
 RT: 12.76 min Scan# 1274
 Delta R.T. 0.00 min
 Lab File: VD059785.D
 Acq: 15 Aug 2018 1:19

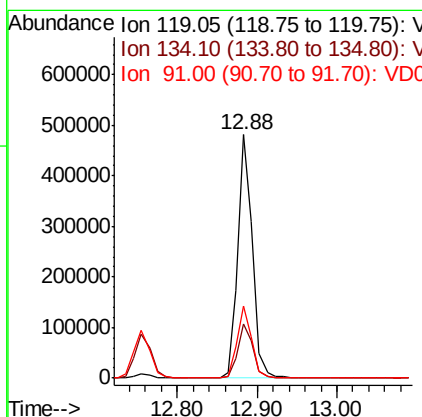
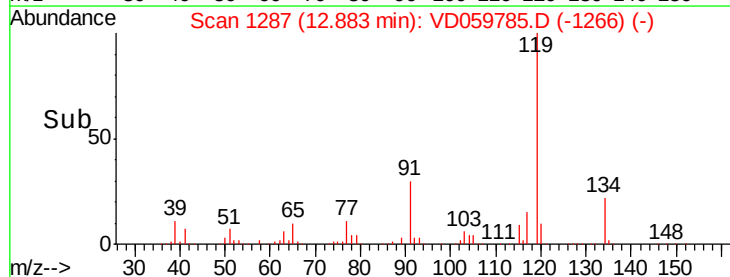
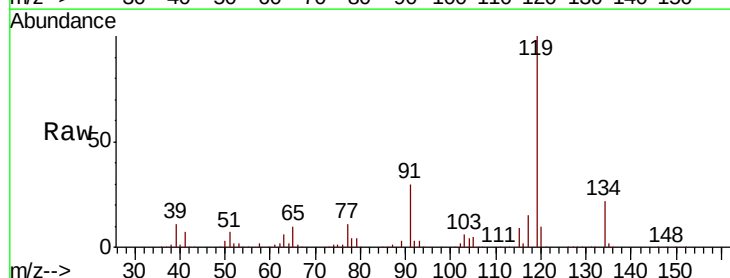
Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC075

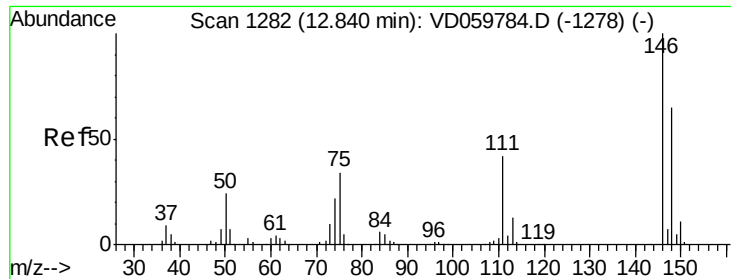
Tot Ion:105 Resp: 724961
 Ion Ratio Lower Upper
 105 100
 134 16.2 8.2 24.4



#86
 p-Isopropyltoluene
 Concen: 64.09 ug/l
 RT: 12.88 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VD059785.D
 Acq: 15 Aug 2018 1:19

Tgt Ion:119 Resp: 620924
 Ion Ratio Lower Upper
 119 100
 134 22.2 10.9 32.6
 91 29.9 16.4 49.4

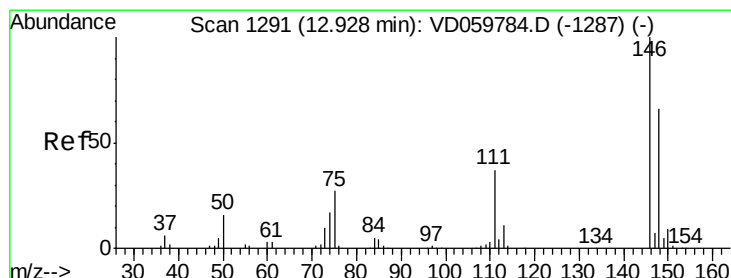
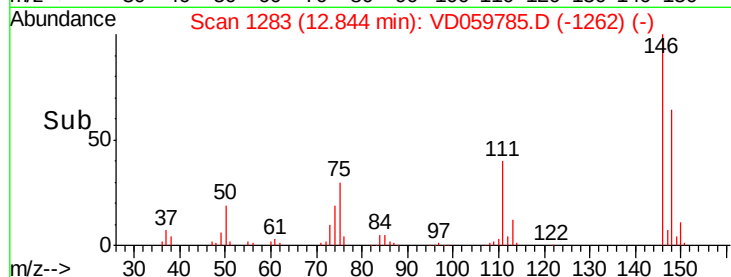
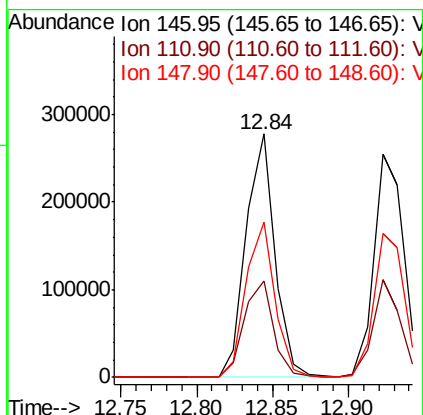
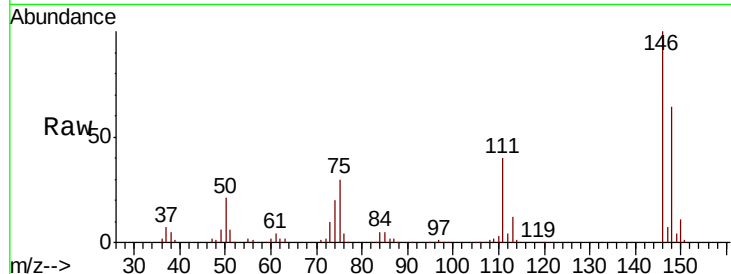




#87
 1,3-Dichlorobenzene
 Concen: 69.22 ug/l
 RT: 12.84 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VD059785.D
 Acq: 15 Aug 2018 1:19

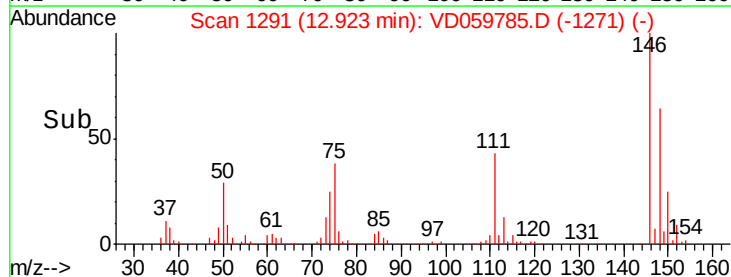
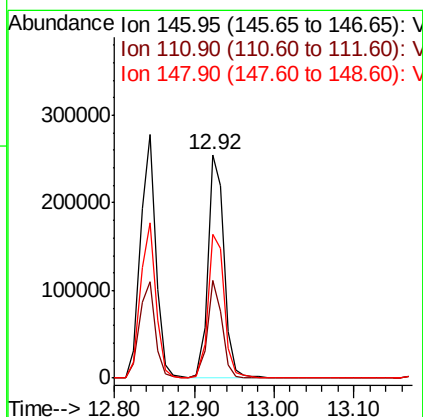
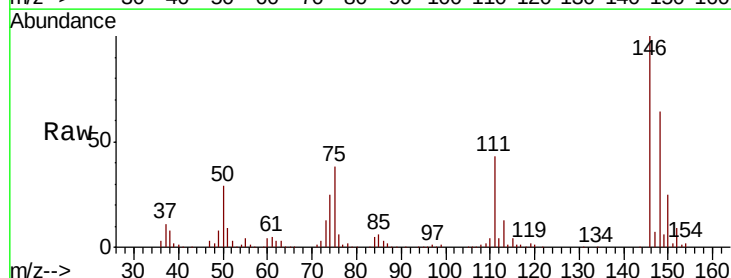
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

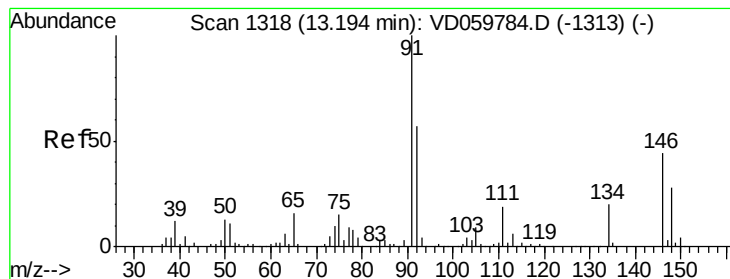
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	20.9	62.8
148	64.0	32.6	97.8



#88
 1,4-Dichlorobenzene
 Concen: 67.08 ug/l
 RT: 12.92 min Scan# 1291
 Delta R.T. -0.01 min
 Lab File: VD059785.D
 Acq: 15 Aug 2018 1:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.4	18.6	55.6
148	64.5	33.0	99.0





#89

n-Butylbenzene

Concen: 63.21 ug/l

RT: 13.20 min Scan# 1319

Delta R.T. 0.00 min

Lab File: VD059785.D

Acq: 15 Aug 2018 1:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

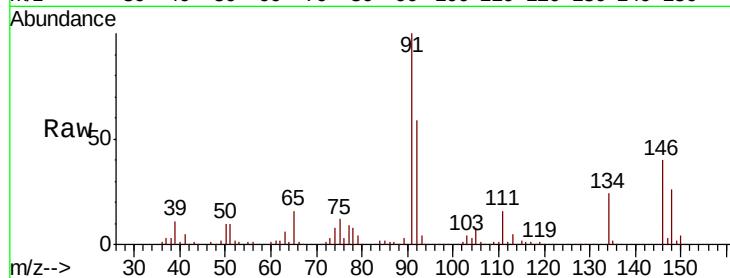
Tot Ion: 91 Resp: 611149

Ion Ratio Lower Upper

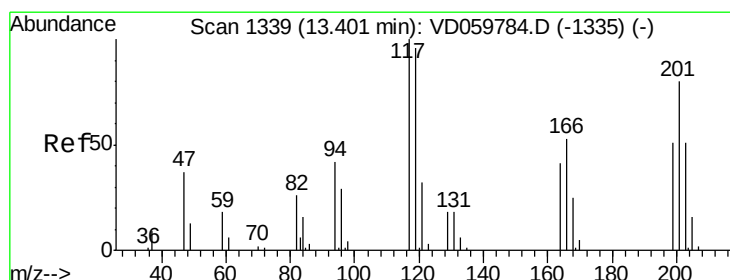
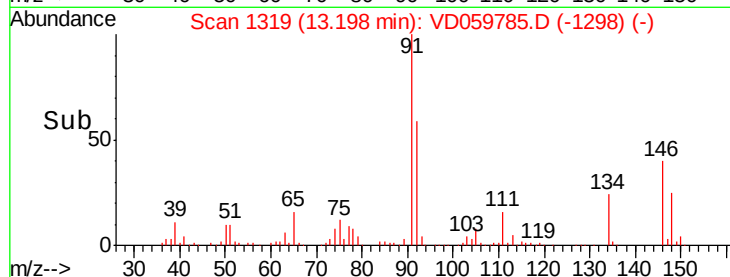
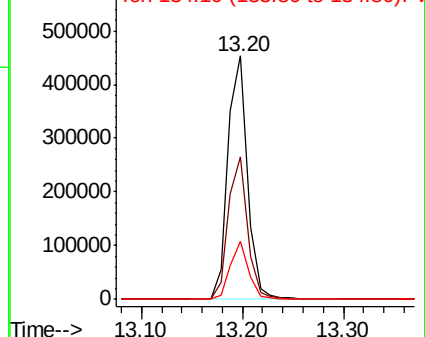
91 100

92 58.8 28.4 85.3

134 23.6 10.2 30.4



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



#90

Hexachloroethane

Concen: 67.15 ug/l

RT: 13.39 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VD059785.D

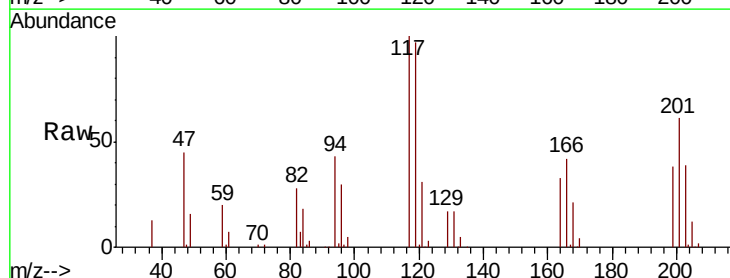
Acq: 15 Aug 2018 1:19

Tgt Ion: 117 Resp: 167019

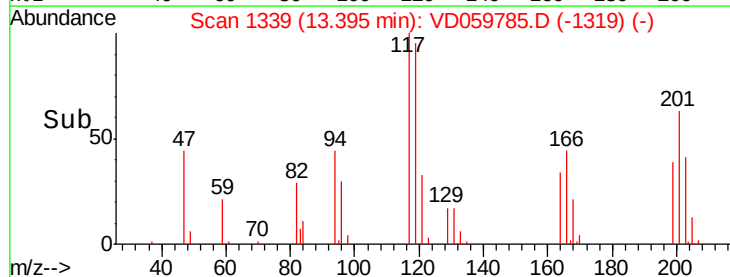
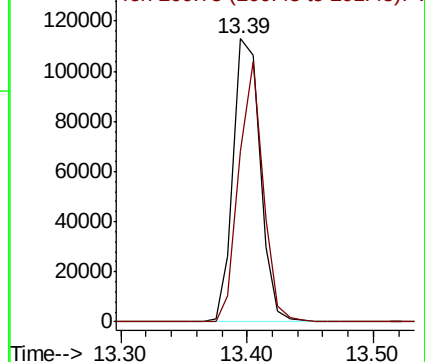
Ion Ratio Lower Upper

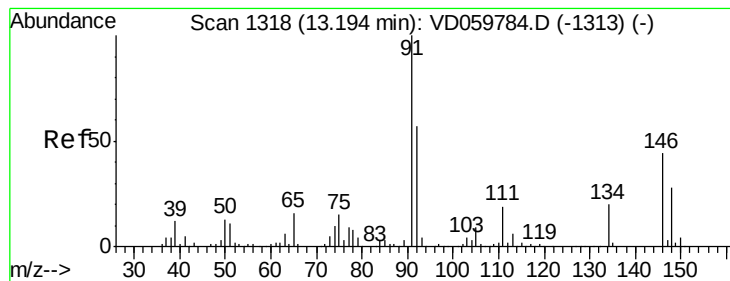
117 100

201 60.5 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: 64.40 ug/l

RT: 13.19 min Scan# 1318

Delta R.T. -0.01 min

Lab File: VD059785.D

Acq: 15 Aug 2018 1:19

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

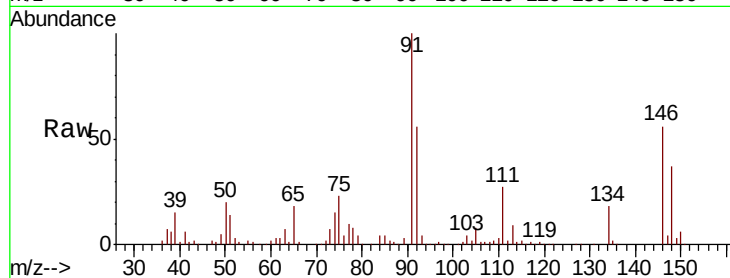
Tot Ion:146 Resp: 294143

Ion Ratio Lower Upper

146 100

111 47.6 21.1 63.1

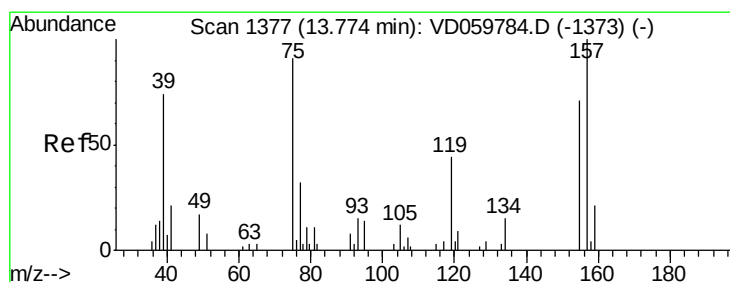
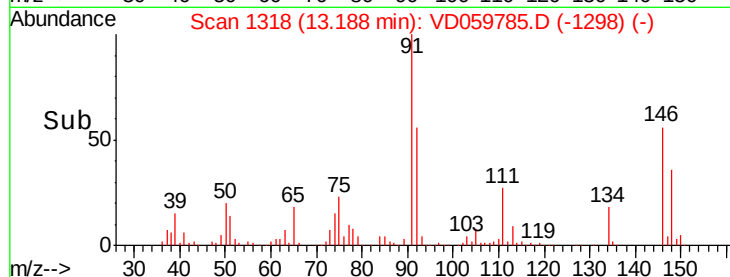
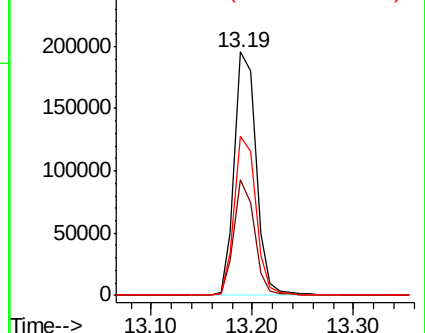
148 65.6 32.0 96.2



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: 63.37 ug/l

RT: 13.77 min Scan# 1377

Delta R.T. -0.01 min

Lab File: VD059785.D

Acq: 15 Aug 2018 1:19

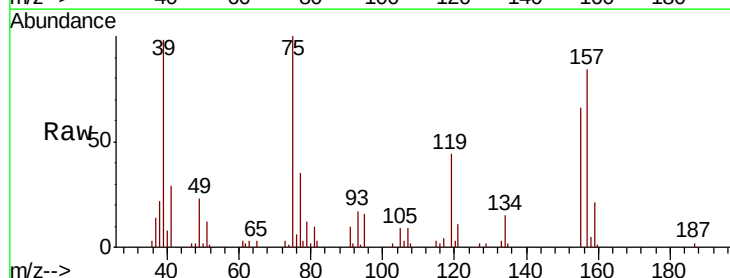
Tgt Ion: 75 Resp: 29981

Ion Ratio Lower Upper

75 100

155 66.2 39.0 117.0

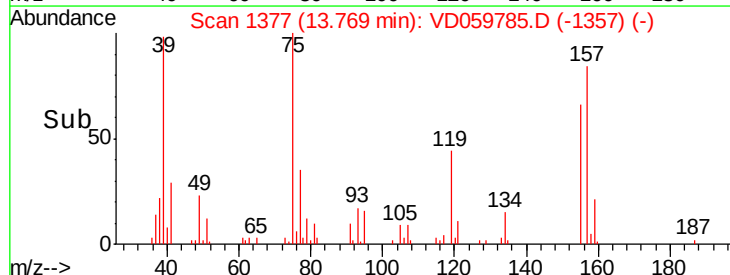
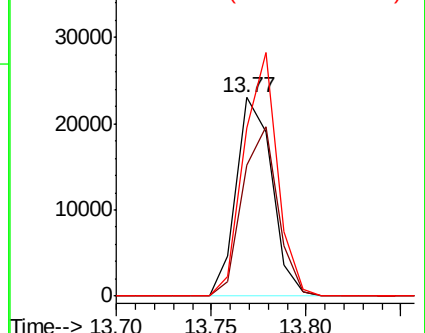
157 84.5 54.8 164.3

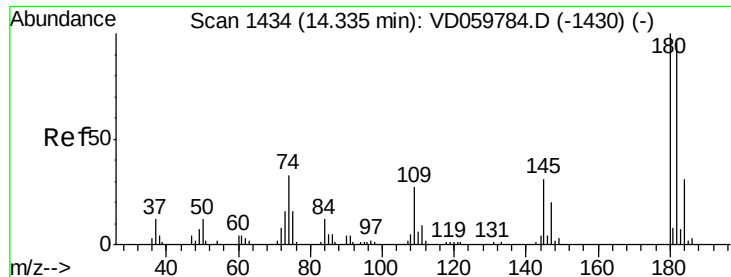


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

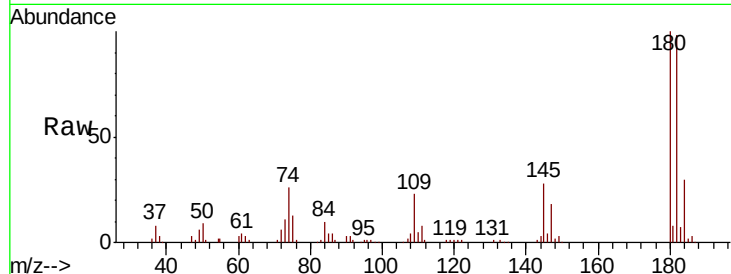




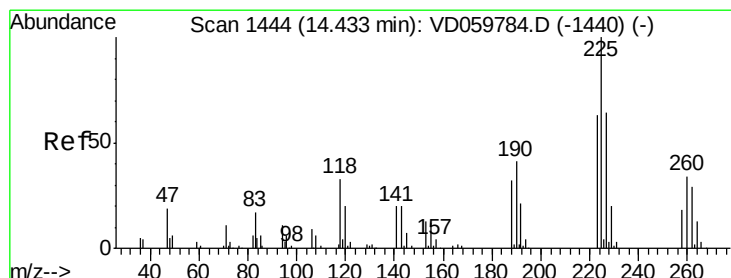
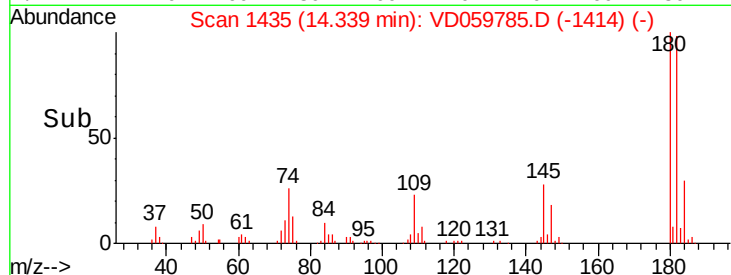
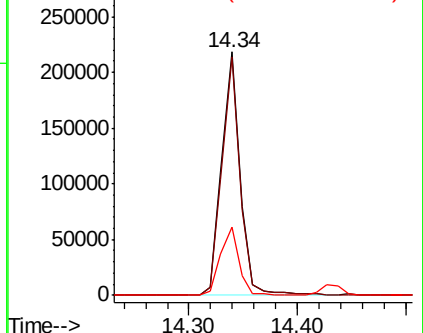
#93
 1,2,4-Trichlorobenzene
 Concen: 61.20 ug/l
 RT: 14.34 min Scan# 1435
 Delta R.T. 0.00 min
 Lab File: VD059785.D
 Acq: 15 Aug 2018 1:19

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion:180 Resp: 259722
 Ion Ratio Lower Upper
 180 100
 182 98.2 48.0 144.0
 145 28.0 15.5 46.5

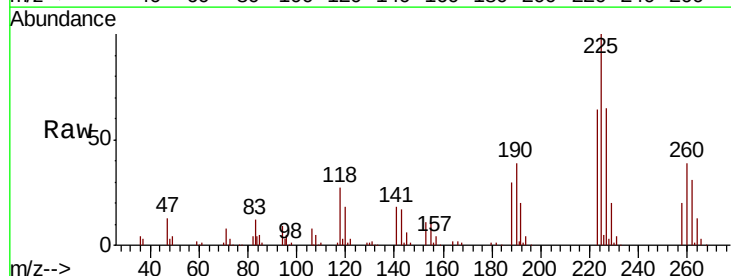


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

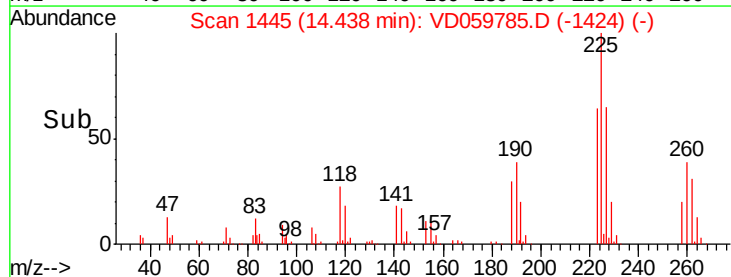
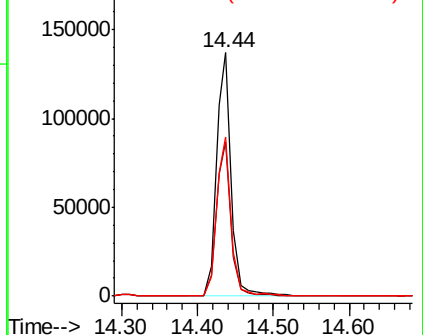


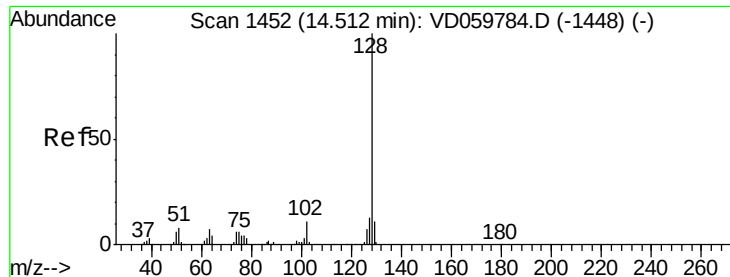
#94
 Hexachlorobutadiene
 Concen: 54.10 ug/l
 RT: 14.44 min Scan# 1445
 Delta R.T. 0.00 min
 Lab File: VD059785.D
 Acq: 15 Aug 2018 1:19

Tgt Ion:225 Resp: 188053
 Ion Ratio Lower Upper
 225 100
 223 63.5 31.4 94.2
 227 65.2 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

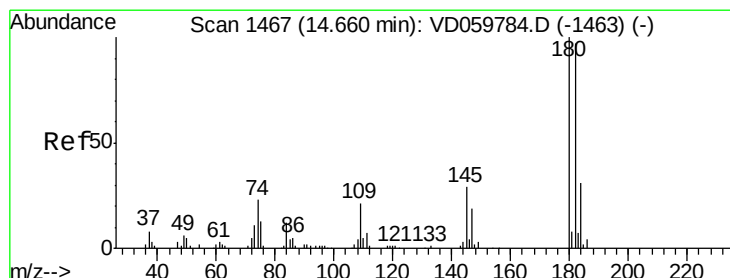
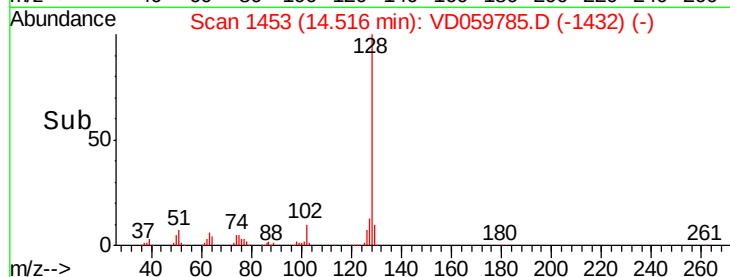
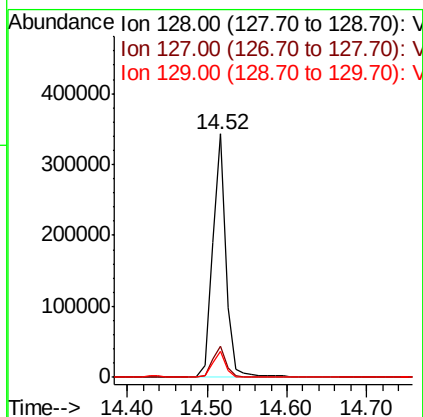
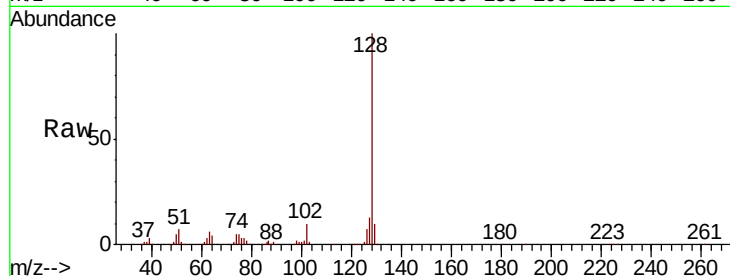




#95
Naphthalene
Concen: 69.77 ug/l
RT: 14.52 min Scan# 1453
Delta R.T. 0.00 min
Lab File: VD059785.D
Acq: 15 Aug 2018 1:19

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion:128 Resp: 403977
Ion Ratio Lower Upper
128 100
127 12.6 10.3 15.5
129 10.5 9.1 13.7



#96
1,2,3-Trichlorobenzene
Concen: 60.77 ug/l
RT: 14.66 min Scan# 1468
Delta R.T. 0.00 min
Lab File: VD059785.D
Acq: 15 Aug 2018 1:19

Tgt Ion:180 Resp: 220204
Ion Ratio Lower Upper
180 100
182 97.3 48.5 145.5
145 26.8 14.3 42.9

