

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081518\
 Data File : VD059781.D
 Acq On : 14 Aug 2018 22:58
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Quant Time: Aug 15 16:00:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D081518S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 15 11:54:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	239707	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	304978	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	267344	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	149622	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.02	65	15316	4.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.94%	
35) Dibromofluoromethane	5.54	113	13905	5.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.44%	
50) Toluene-d8	8.71	98	36141	5.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.72%	
62) 4-Bromofluorobenzene	11.93	95	15626	5.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.12%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.33	85	16460	5.63	ug/l	100
3) Chloromethane	1.48	50	7731	4.72	ug/l	97
4) Vinyl Chloride	1.55	62	8007	4.65	ug/l	90
5) Bromomethane	1.79	94	2979	5.35	ug/l	86
6) Chloroethane	1.87	64	3889	5.56	ug/l	95
7) Trichlorofluoromethane	2.08	101	14466	5.36	ug/l #	79
8) Diethyl Ether	2.34	74	2384	4.66	ug/l	68
9) 1,1,2-Trichlorotrifluoroet	2.55	101	7577	5.07	ug/l #	89
10) Methyl Iodide	2.68	142	6428	6.46	ug/l #	85
11) Tert butyl alcohol	3.26	59	2622	22.66	ug/l #	74
12) 1,1-Dichloroethene	2.54	96	5386	4.93	ug/l	94
13) Acrolein	2.46	56	1439	31.78	ug/l	84
14) Allyl chloride	2.92	41	14056	5.21	ug/l	95
15) Acrylonitrile	3.35	53	9364	24.48	ug/l	91
16) Acetone	2.61	43	11968	24.67	ug/l	96
17) Carbon Disulfide	2.75	76	17746	4.87	ug/l #	95
18) Methyl Acetate	2.93	43	6770	6.49	ug/l #	90
19) Methyl tert-butyl Ether	3.40	73	27781	5.30	ug/l	97
20) Methylene Chloride	3.07	84	11275	5.93	ug/l	97
21) trans-1,2-Dichloroethene	3.38	96	11163	5.25	ug/l	88
22) Diisopropyl ether	4.06	45	37884	5.20	ug/l	93
23) Vinyl Acetate	4.01	43	98250	23.72	ug/l	98
24) 1,1-Dichloroethane	3.97	63	22818	5.26	ug/l #	96
25) 2-Butanone	4.84	43	18400	25.02	ug/l	98
26) 2,2-Dichloropropane	4.80	77	20383	5.13	ug/l	98
27) cis-1,2-Dichloroethene	4.80	96	11769	5.02	ug/l	86
28) Bromochloromethane	5.14	49	8002	4.72	ug/l	97
29) Tetrahydrofuran	5.18	42	7295	22.63	ug/l	93
30) Chloroform	5.32	83	27996	5.37	ug/l	89
31) Cyclohexane	5.58	56	21150	6.72	ug/l	92
32) 1,1,1-Trichloroethane	5.50	97	23546	5.13	ug/l	94
36) 1,1-Dichloropropene	5.74	75	18512	6.03	ug/l	97
37) Ethyl Acetate	4.92	43	8199	5.34	ug/l #	72
38) Carbon Tetrachloride	5.72	117	21383	5.75	ug/l	98

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 ClientSampleID :
 VSTDIC005

Quant Time: Aug 15 16:00:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D081518S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 15 11:54:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.29	83	14976	5.56	ug/l	98
40) Benzene	6.02	78	37255	5.58	ug/l	99
41) Methacrylonitrile	5.12	41	3675	5.02	ug/l #	92
42) 1,2-Dichloroethane	6.12	62	19584	5.46	ug/l	98
43) Isopropyl Acetate	7.61	43	9593	4.88	ug/l	95
44) Trichloroethene	6.98	130	12693	5.66	ug/l	83
45) 1,2-Dichloropropane	7.34	63	8788	5.11	ug/l	93
46) Dibromomethane	7.46	93	7653	5.47	ug/l	91
47) Bromodichloromethane	7.74	83	18180	5.32	ug/l #	95
48) Methyl methacrylate	7.50	41	5798	4.50	ug/l #	88
49) 1,4-Dioxane	7.50	88	1039	126.59	ug/l #	21
51) 4-Methyl-2-Pentanone	8.59	43	35086	23.51	ug/l	99
52) Toluene	8.80	92	23797	5.60	ug/l	94
53) t-1,3-Dichloropropene	9.18	75	14585	5.15	ug/l	99
54) cis-1,3-Dichloropropene	8.36	75	15411	4.96	ug/l	94
55) 1,1,2-Trichloroethane	9.45	97	8985	5.72	ug/l	94
56) Ethyl methacrylate	9.31	69	7692	4.52	ug/l	97
57) 1,3-Dichloropropane	9.67	76	13794	5.61	ug/l	94
58) 2-Chloroethyl Vinyl ether	8.18	63	22735	27.39	ug/l	92
59) 2-Hexanone	9.78	43	24360	22.58	ug/l	96
60) Dibromochloromethane	9.96	129	10843	4.77	ug/l	98
61) 1,2-Dibromoethane	10.09	107	9127	5.26	ug/l	99
64) Tetrachloroethene	9.51	164	12713	5.53	ug/l	92
65) Chlorobenzene	10.73	112	29744	5.50	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.85	131	11041	5.02	ug/l	87
67) Ethyl Benzene	10.86	91	50547	5.34	ug/l	97
68) m/p-Xylenes	11.01	106	36146	11.53	ug/l	93
69) o-Xylene	11.41	106	16608	5.48	ug/l	85
70) Styrene	11.44	104	29296	5.54	ug/l	97
71) Bromoform	11.60	173	6661	4.21	ug/l #	90
73) Isopropylbenzene	11.77	105	54151	5.81	ug/l	98
74) N-amyl acetate	11.64	43	12740	4.38	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	12.08	83	9712	5.06	ug/l	98
76) 1,2,3-Trichloropropane	12.12	75	11345	5.32	ug/l	98
77) Bromobenzene	12.05	156	14876	5.51	ug/l	98
78) n-propylbenzene	12.15	91	66088	5.60	ug/l	97
79) 2-Chlorotoluene	12.21	91	38233	5.35	ug/l	97
80) 1,3,5-Trimethylbenzene	12.32	105	42457	5.66	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.84	75	2015	3.98	ug/l	97
82) 4-Chlorotoluene	12.33	91	45111	5.58	ug/l	97
83) tert-Butylbenzene	12.58	119	44651	5.32	ug/l	98
84) 1,2,4-Trimethylbenzene	12.63	105	43930	5.43	ug/l	100
85) sec-Butylbenzene	12.75	105	52788	5.46	ug/l	100
86) p-Isopropyltoluene	12.88	119	43045	5.33	ug/l	97
87) 1,3-Dichlorobenzene	12.84	146	27048	5.61	ug/l	94
88) 1,4-Dichlorobenzene	12.93	146	26946	5.62	ug/l	94
89) n-Butylbenzene	13.20	91	47163	5.71	ug/l	99
90) Hexachloroethane	13.40	117	9816	4.85	ug/l	94
91) 1,2-Dichlorobenzene	13.20	146	22638	5.64	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.78	75	1464	4.21	ug/l	83

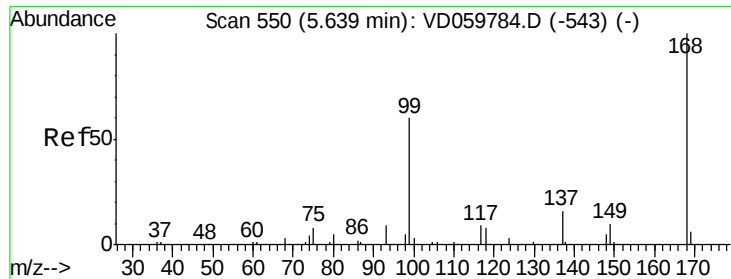
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081518\
Data File : VD059781.D
Acq On : 14 Aug 2018 22:58
Operator : VA/AP
Sample : VSTDICC005
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

Quant Time: Aug 15 16:00:57 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D081518S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 15 11:54:54 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	16578	4.93	ug/l	91
94) Hexachlorobutadiene	14.44	225	14015	5.82	ug/l	90
95) Naphthalene	14.52	128	26501	5.25	ug/l	96
96) 1,2,3-Trichlorobenzene	14.66	180	16075	5.57	ug/l	93

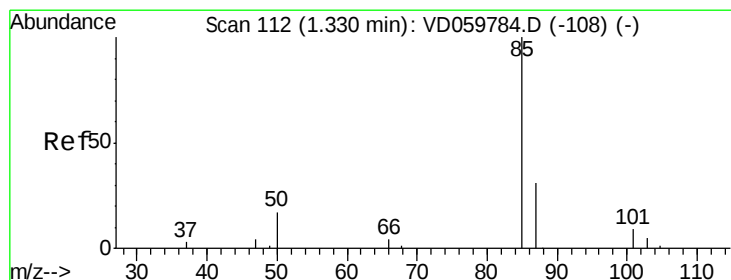
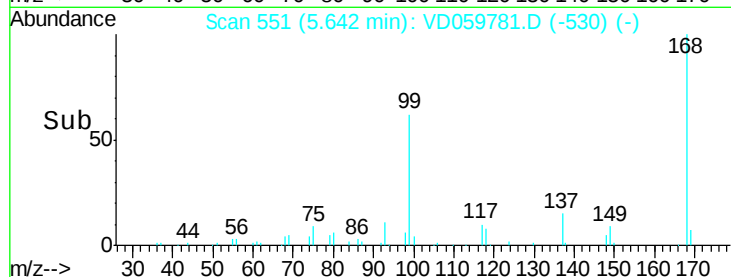
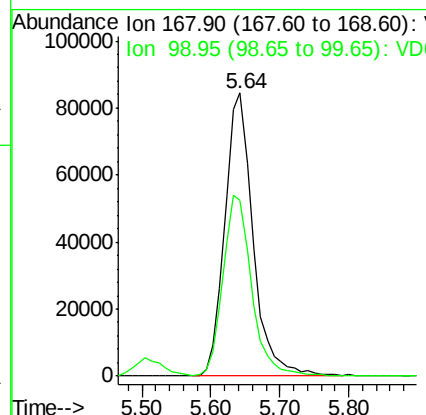
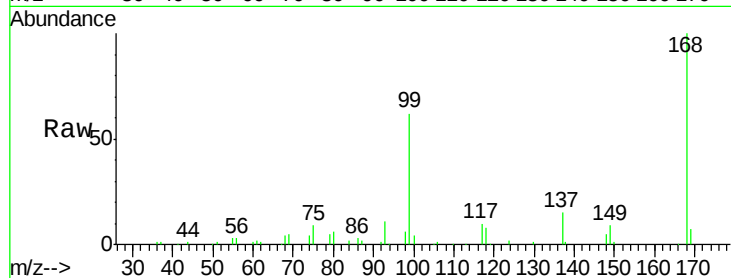
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.64 min Scan# 551
Delta R.T. 0.00 min
Lab File: VD059781.D
Acq: 14 Aug 2018 22:58

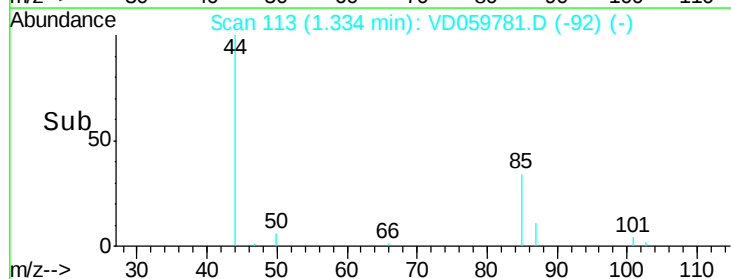
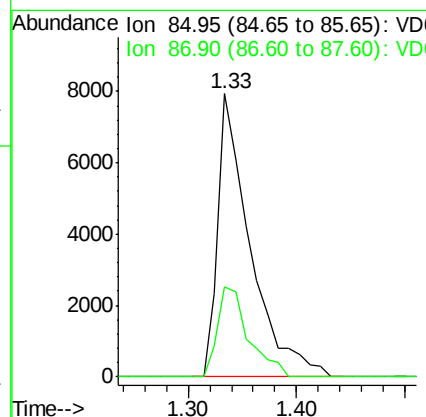
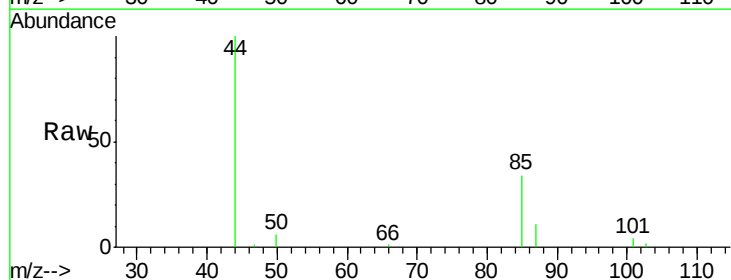
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

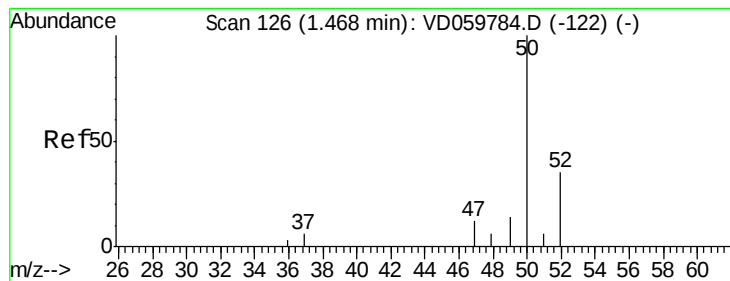
Tot Ion:168 Resp: 239707
Ion Ratio Lower Upper
168 100
99 62.3 50.3 75.5



#2
Dichlorodifluoromethane
Concen: 5.63 ug/l
RT: 1.33 min Scan# 113
Delta R.T. 0.00 min
Lab File: VD059781.D
Acq: 14 Aug 2018 22:58

Tgt Ion: 85 Resp: 16460
Ion Ratio Lower Upper
85 100
87 31.6 15.7 47.1





#3

Chloromethane

Concen: 4.72 ug/l

RT: 1.48 min Scan# 128

Delta R.T. 0.01 min

Lab File: VD059781.D

Acq: 14 Aug 2018 22:58

Instrument :

MSVOA_D

ClientSampleId :

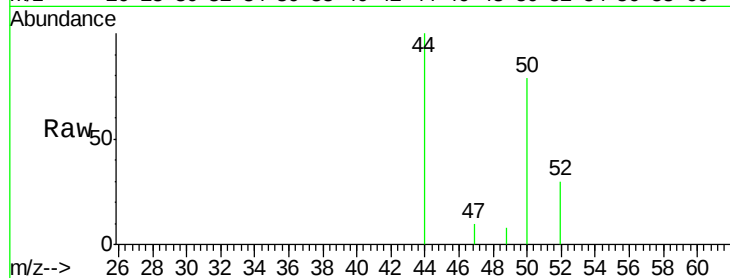
VSTDIC005

Tot Ion: 50 Resp: 7731

Ion Ratio Lower Upper

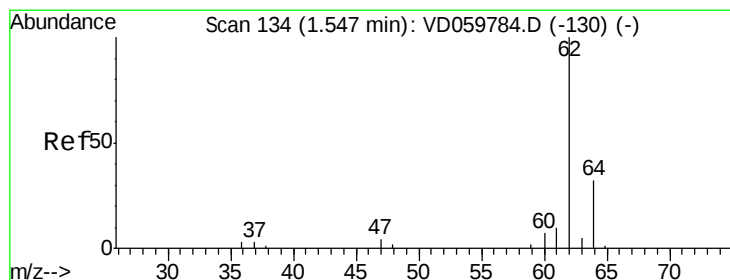
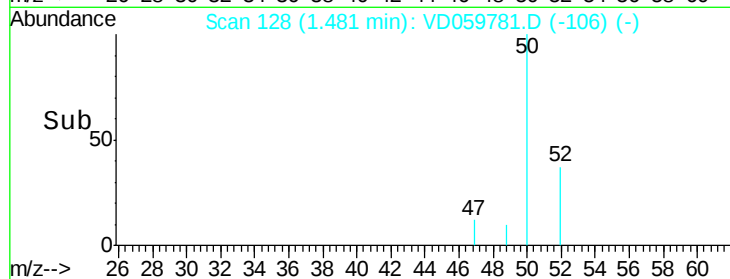
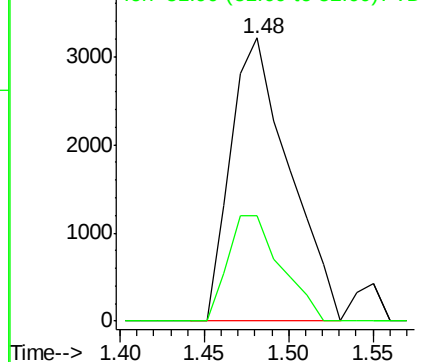
50 100

52 37.2 28.4 42.6



Abundance Ion 49.90 (49.60 to 50.60): VD

Ion 51.90 (51.60 to 52.60): VD



#4

Vinyl Chloride

Concen: 4.65 ug/l

RT: 1.55 min Scan# 135

Delta R.T. 0.00 min

Lab File: VD059781.D

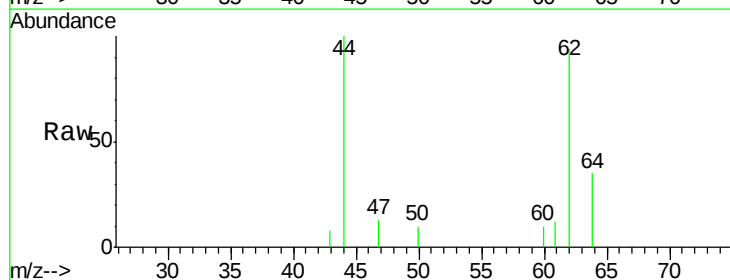
Acq: 14 Aug 2018 22:58

Tgt Ion: 62 Resp: 8007

Ion Ratio Lower Upper

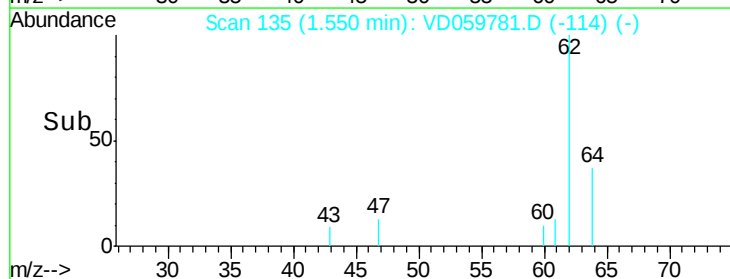
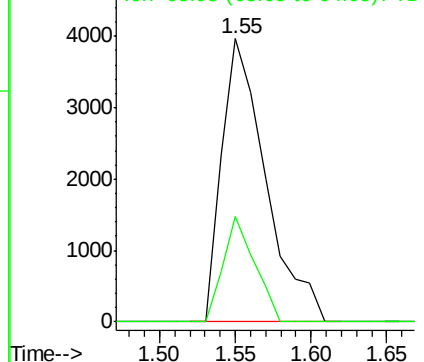
62 100

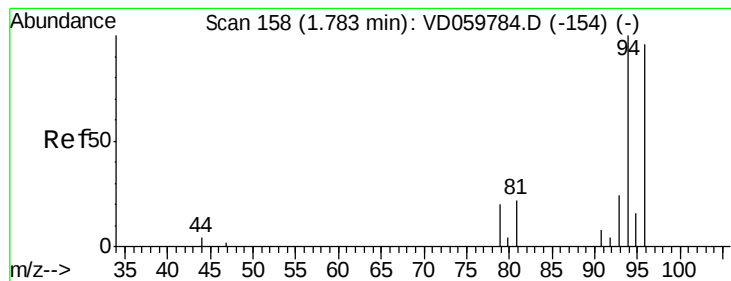
64 37.4 25.5 38.3



Abundance Ion 61.95 (61.65 to 62.65): VD

Ion 63.95 (63.65 to 64.65): VD





#5

Bromomethane

Concen: 5.35 ug/l

RT: 1.79 min Scan# 159

Delta R.T. 0.00 min

Lab File: VD059781.D

Acq: 14 Aug 2018 22:58

Instrument :

MSVOA_D

ClientSampleId :

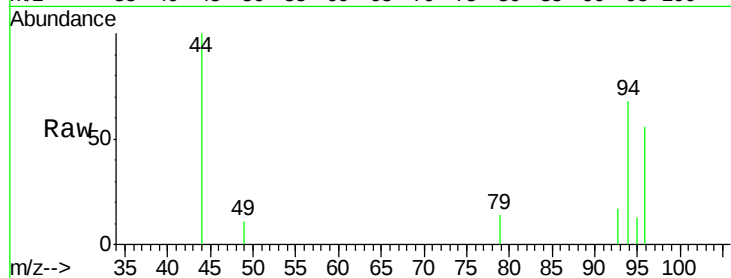
VSTDIC005

Tot Ion: 94 Resp: 2979

Ion Ratio Lower Upper

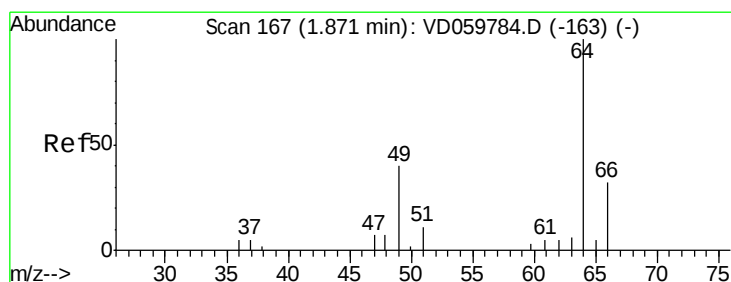
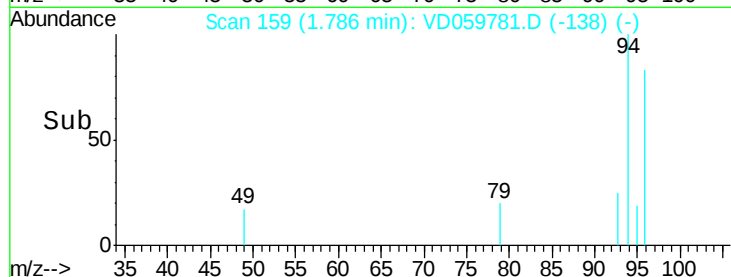
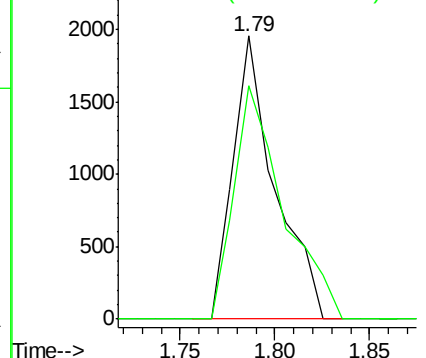
94 100

96 82.5 76.7 115.1



Abundance Ion 93.90 (93.60 to 94.60): VD

Ion 95.90 (95.60 to 96.60): VD



#6

Chloroethane

Concen: 5.56 ug/l

RT: 1.87 min Scan# 168

Delta R.T. 0.00 min

Lab File: VD059781.D

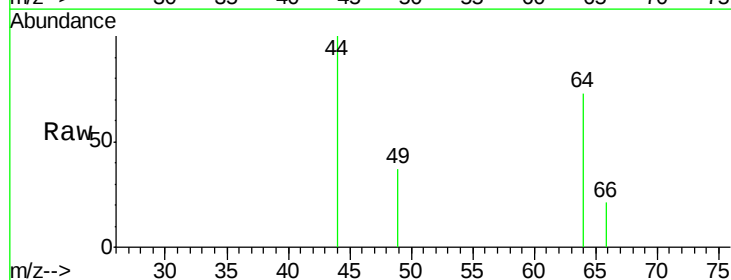
Acq: 14 Aug 2018 22:58

Tgt Ion: 64 Resp: 3889

Ion Ratio Lower Upper

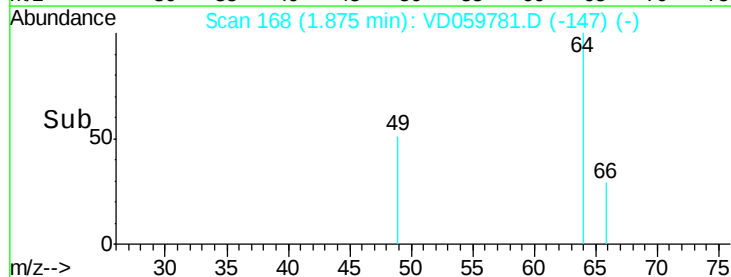
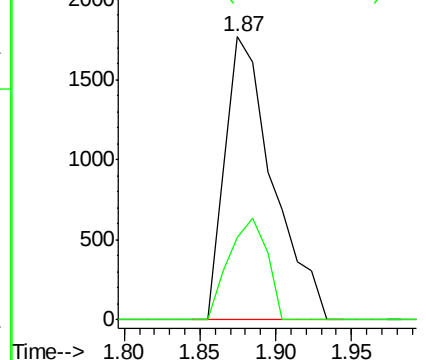
64 100

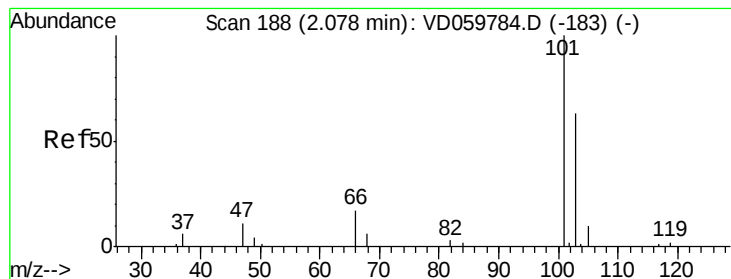
66 29.3 25.4 38.2



Abundance Ion 63.95 (63.65 to 64.65): VD

Ion 65.90 (65.60 to 66.60): VD





#7

Trichlorofluoromethane

Concen: 5.36 ug/l

RT: 2.08 min Scan# 189

Delta R.T. 0.00 min

Lab File: VD059781.D

Acq: 14 Aug 2018 22:58

Instrument :

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ClientSampleId :

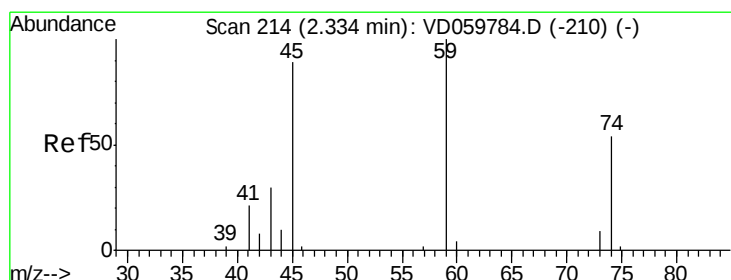
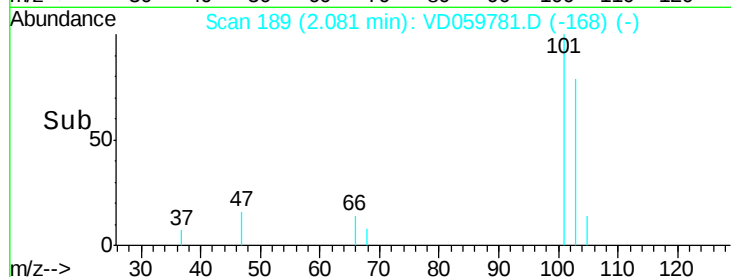
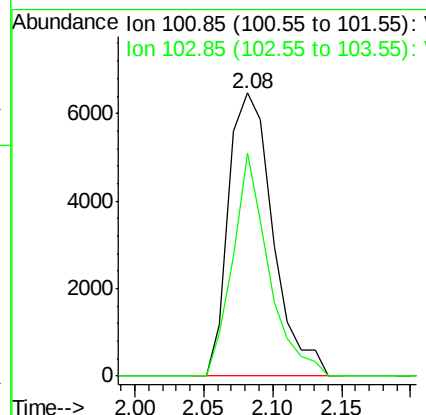
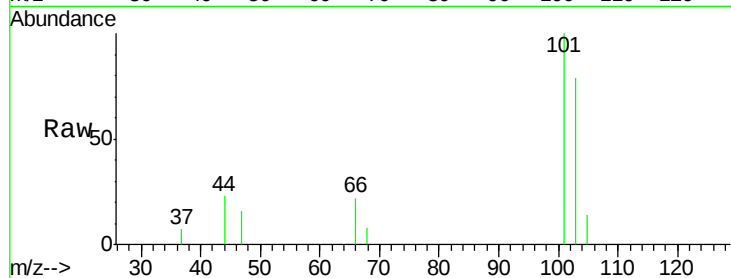
VSTDIC005

Tot Ion:101 Resp: 14466

Ion Ratio Lower Upper

101 100

103 79.0 50.4 75.6#



#8

Diethyl Ether

Concen: 4.66 ug/l

RT: 2.34 min Scan# 215

Delta R.T. 0.00 min

Lab File: VD059781.D

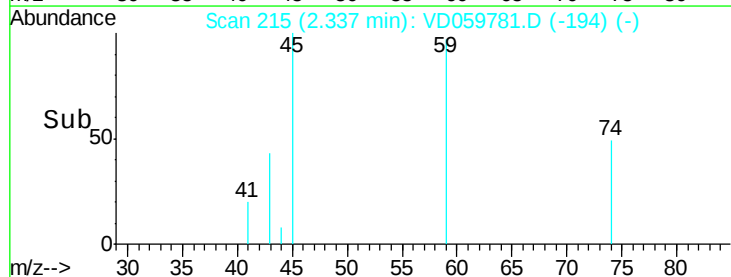
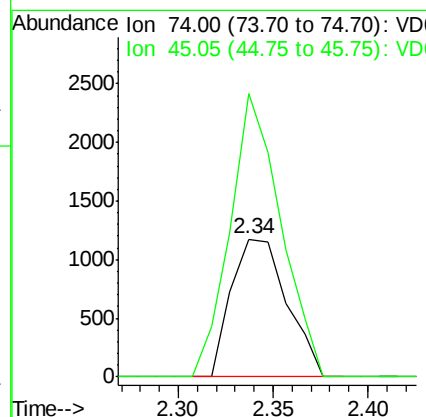
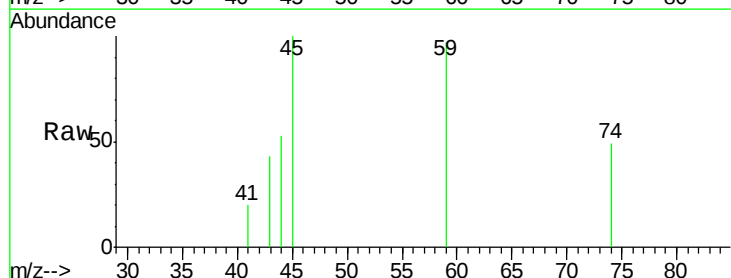
Acq: 14 Aug 2018 22:58

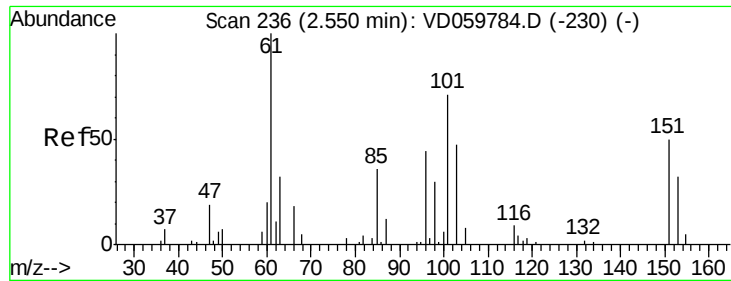
Tgt Ion: 74 Resp: 2384

Ion Ratio Lower Upper

74 100

45 205.4 81.6 244.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.07 ug/l

RT: 2.55 min Scan# 237

Delta R.T. 0.00 min

Lab File: VD059781.D

Acq: 14 Aug 2018 22:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

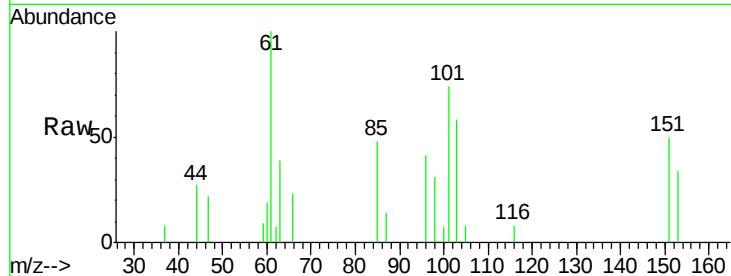
Tot Ion:101 Resp: 7577

Ion Ratio Lower Upper

101 100

85 65.2 40.6 61.0#

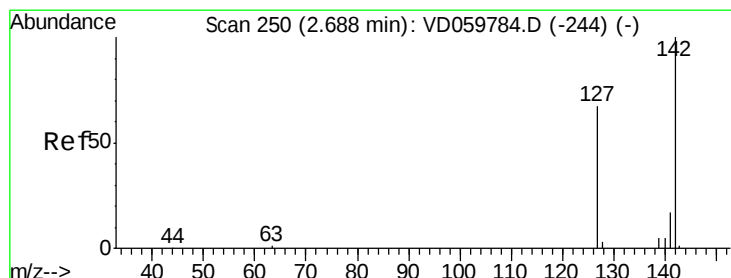
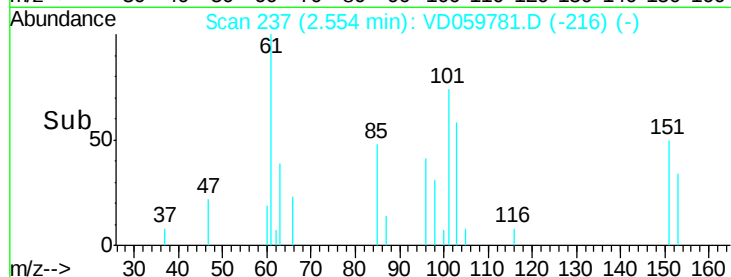
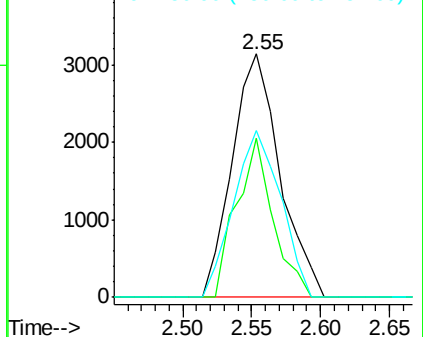
151 68.4 57.1 85.7



Abundance Ion 100.85 (100.55 to 101.55):

Ion 84.95 (84.65 to 85.65): VD

Ion 150.90 (150.60 to 151.60):



#10

Methyl Iodide

Concen: 6.46 ug/l

RT: 2.68 min Scan# 250

Delta R.T. -0.01 min

Lab File: VD059781.D

Acq: 14 Aug 2018 22:58

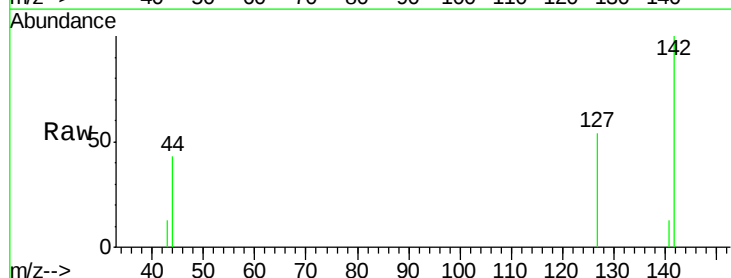
Tgt Ion:142 Resp: 6428

Ion Ratio Lower Upper

142 100

127 54.3 54.0 81.0

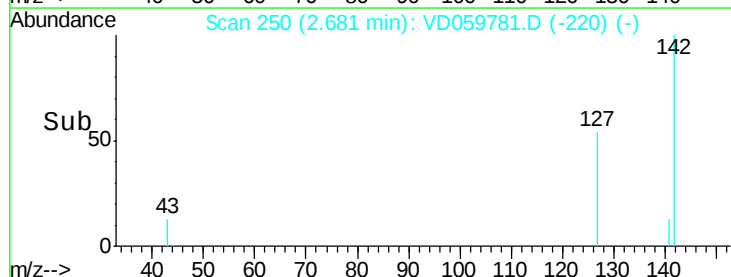
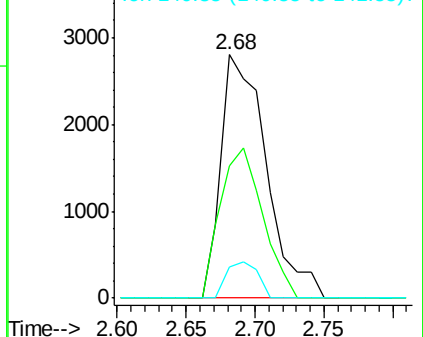
141 12.6 13.3 19.9#

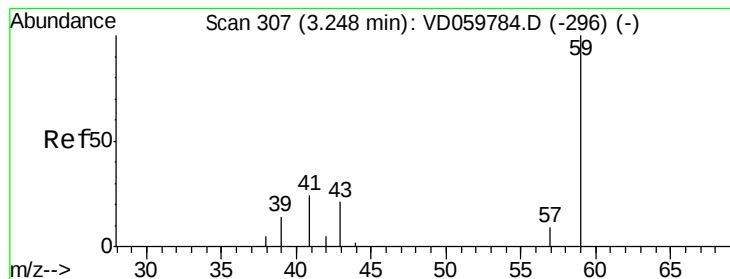


Abundance Ion 141.85 (141.55 to 142.55):

Ion 126.80 (126.50 to 127.50):

Ion 140.85 (140.55 to 141.55):



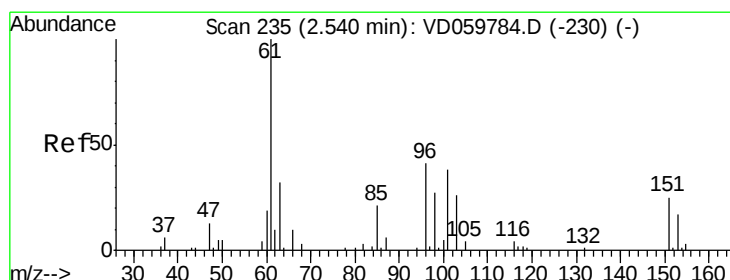
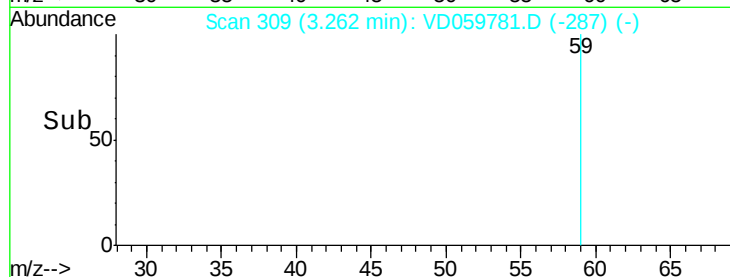
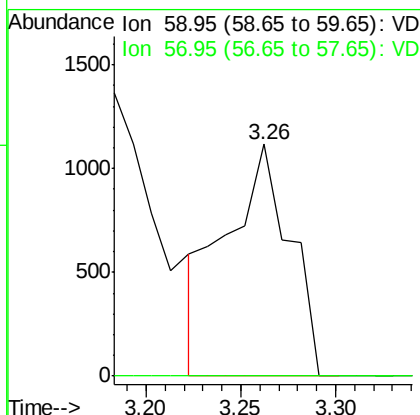
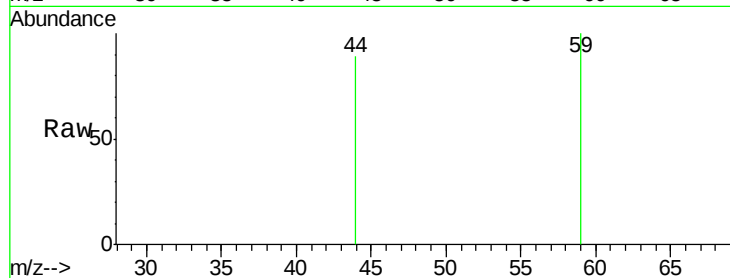


#11

Tert butyl alcohol
Concen: 22.66 ug/l
RT: 3.26 min Scan# 309
Delta R.T. 0.01 min
Lab File: VD059781.D
Acq: 14 Aug 2018 22:58

Instrument :
MSVOA_D
ClientSampleID :
VSTDIC005

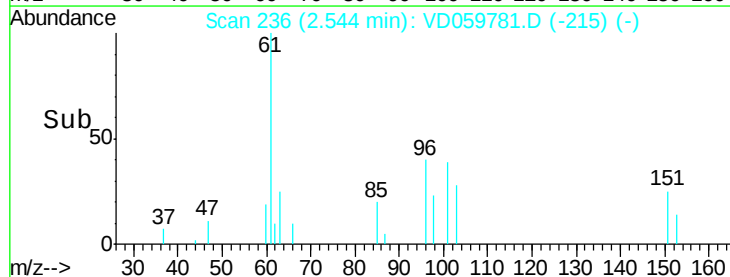
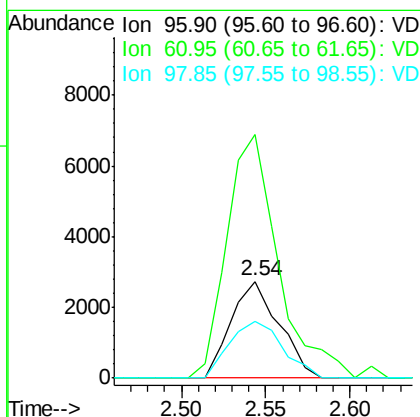
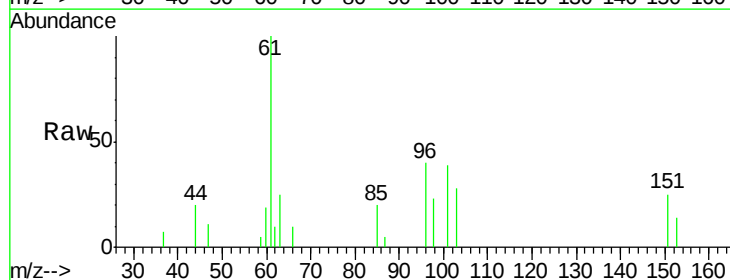
Tot Ion: 59 Resp: 2622
Ion Ratio Lower Upper
59 100
57 0.0 7.5 11.3#

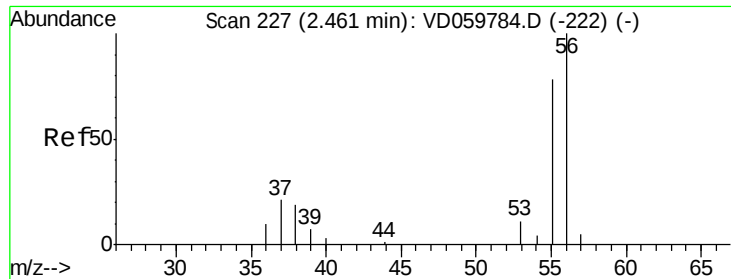


#12

1,1-Dichloroethene
Concen: 4.93 ug/l
RT: 2.54 min Scan# 236
Delta R.T. 0.00 min
Lab File: VD059781.D
Acq: 14 Aug 2018 22:58

Tgt Ion: 96 Resp: 5386
Ion Ratio Lower Upper
96 100
61 252.0 194.1 291.1
98 58.3 52.3 78.5





#13

Acrolein

Concen: 31.78 ug/l

RT: 2.46 min Scan# 228

Delta R.T. 0.00 min

Lab File: VD059781.D

Acq: 14 Aug 2018 22:58

Instrument :

MSVOA_D

ClientSampleId :

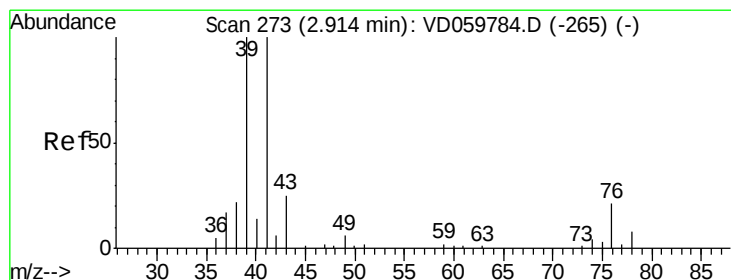
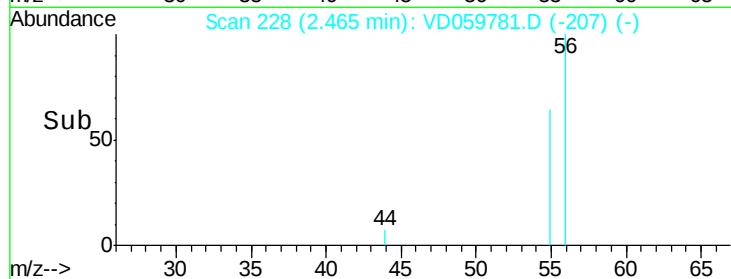
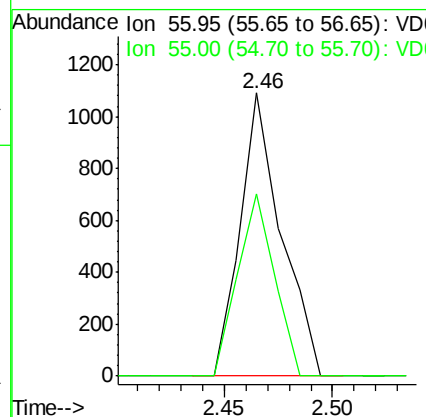
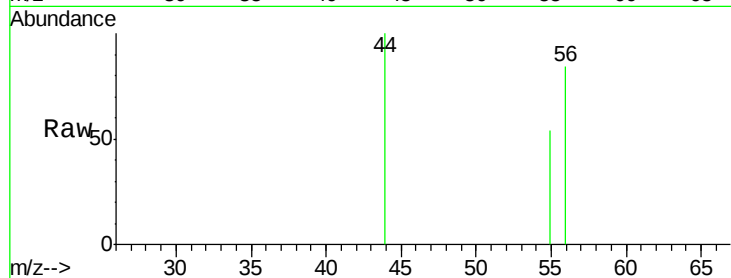
VSTDIC005

Tot Ion: 56 Resp: 1439

Ion Ratio Lower Upper

56 100

55 64.2 62.2 93.2



#14

Allyl chloride

Concen: 5.21 ug/l

RT: 2.92 min Scan# 274

Delta R.T. 0.00 min

Lab File: VD059781.D

Acq: 14 Aug 2018 22:58

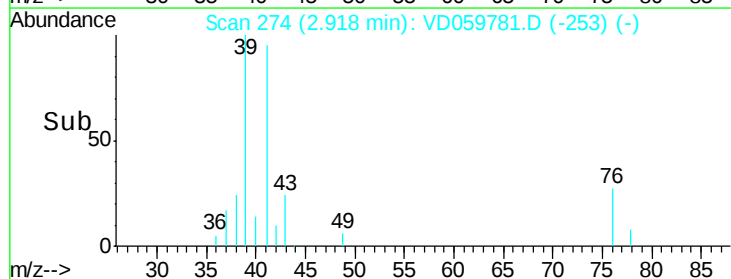
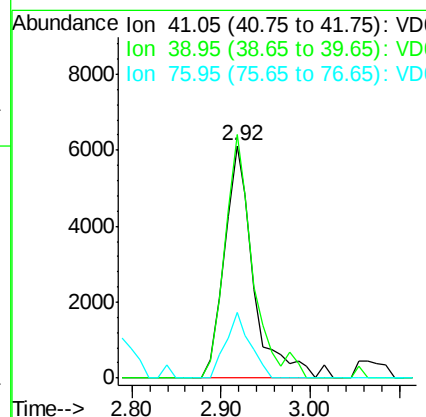
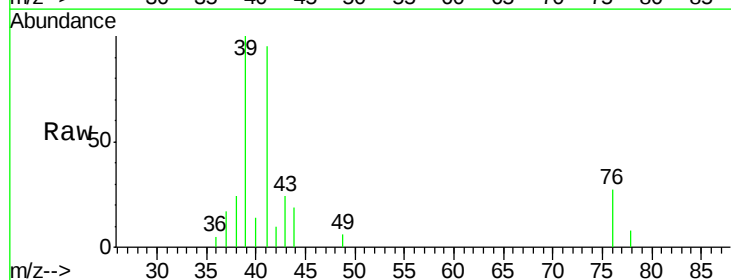
Tgt Ion: 41 Resp: 14056

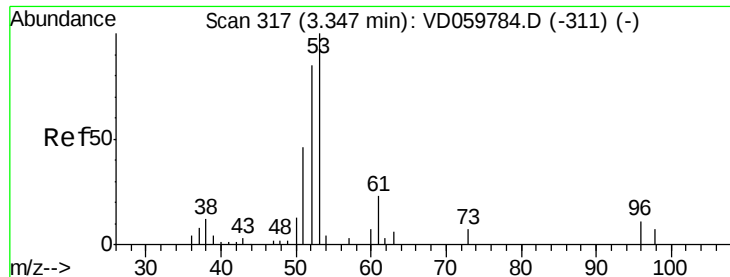
Ion Ratio Lower Upper

41 100

39 104.9 79.8 119.6

76 28.1 20.4 30.6





#15

Acrylonitrile

Concen: 24.48 ug/l

RT: 3.35 min Scan# 318

Delta R.T. 0.00 min

Lab File: VD059781.D

Acq: 14 Aug 2018 22:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

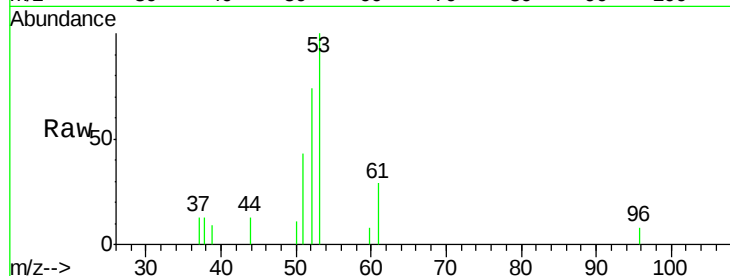
Tot Ion: 53 Resp: 9364

Ion Ratio Lower Upper

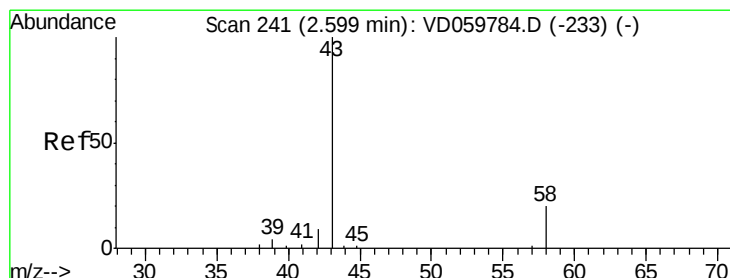
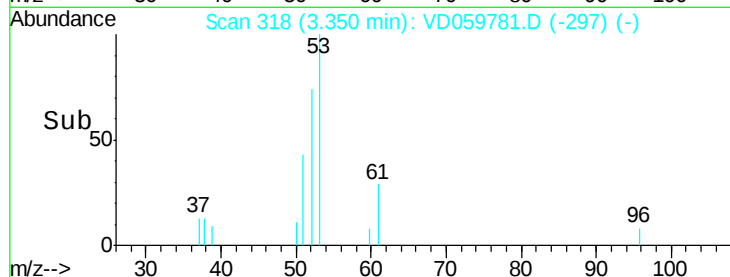
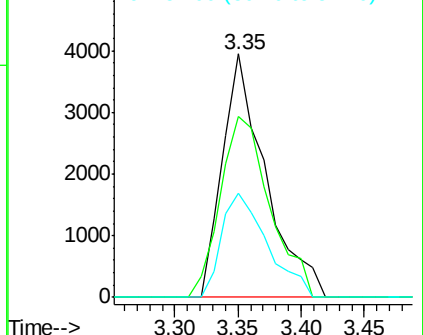
53 100

52 74.3 68.2 102.2

51 42.5 36.6 54.8



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



#16

Acetone

Concen: 24.67 ug/l

RT: 2.61 min Scan# 243

Delta R.T. 0.01 min

Lab File: VD059781.D

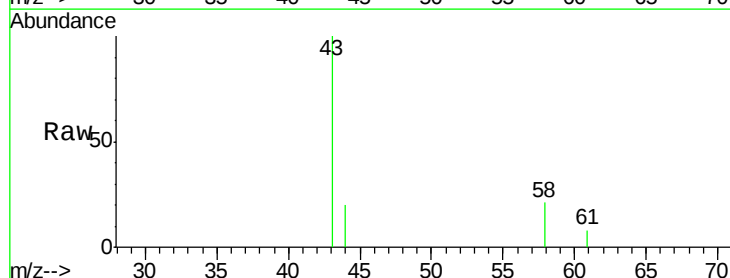
Acq: 14 Aug 2018 22:58

Tgt Ion: 43 Resp: 11968

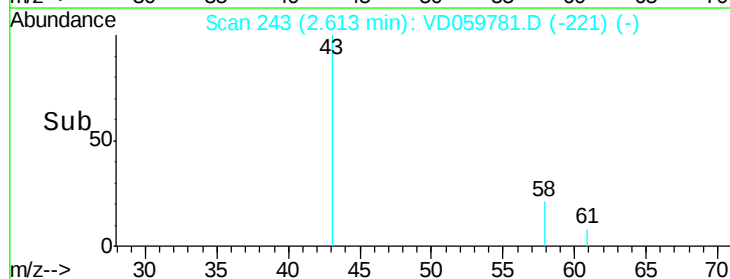
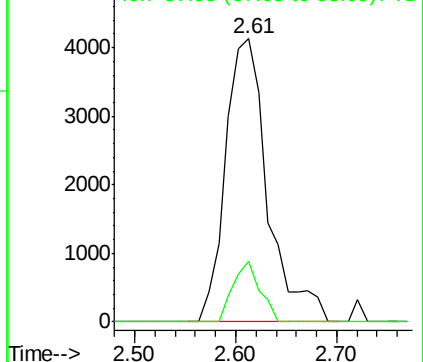
Ion Ratio Lower Upper

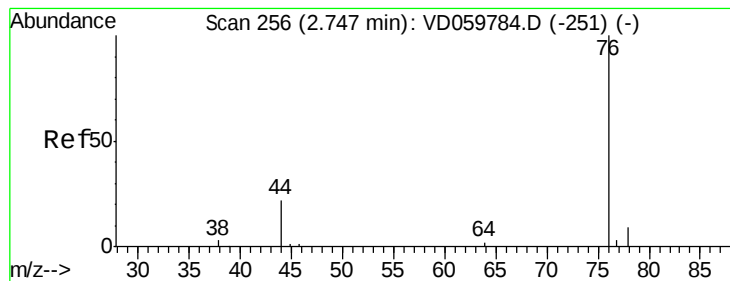
43 100

58 21.2 15.7 23.5



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





#17

Carbon Disulfide

Concen: 4.87 ug/l

RT: 2.75 min Scan# 257

Delta R.T. 0.00 min

Lab File: VD059781.D

Acq: 14 Aug 2018 22:58

Instrument :

MSVOA_D

ClientSampleId :

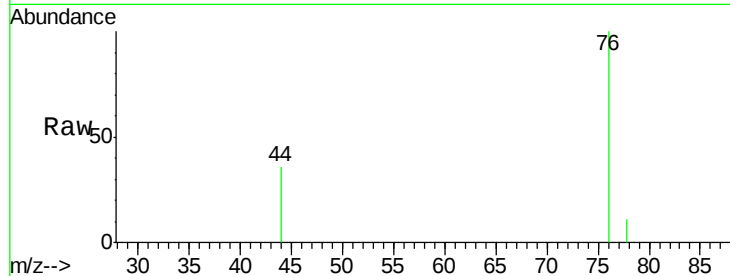
VSTDIC005

Tot Ion: 76 Resp: 17746

Ion Ratio Lower Upper

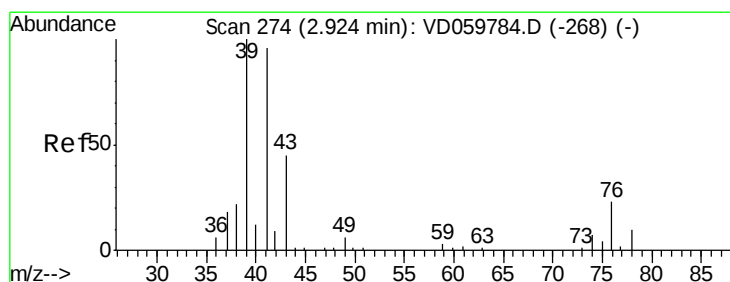
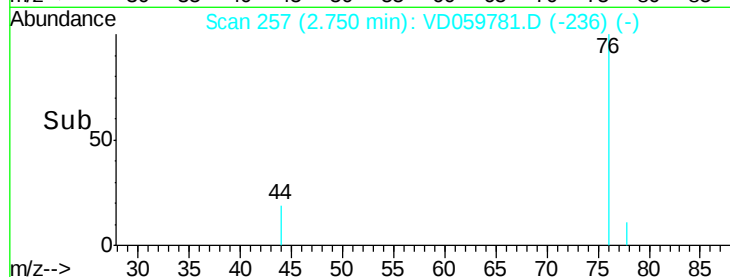
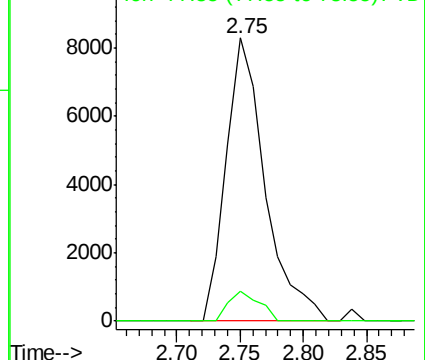
76 100

78 10.5 6.9 10.3#



Abundance Ion 75.85 (75.55 to 76.55): VD

Ion 77.85 (77.55 to 78.55): VD



#18

Methyl Acetate

Concen: 6.49 ug/l

RT: 2.93 min Scan# 275

Delta R.T. 0.00 min

Lab File: VD059781.D

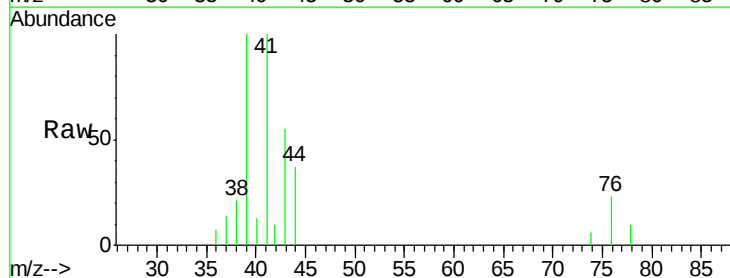
Acq: 14 Aug 2018 22:58

Tgt Ion: 43 Resp: 6770

Ion Ratio Lower Upper

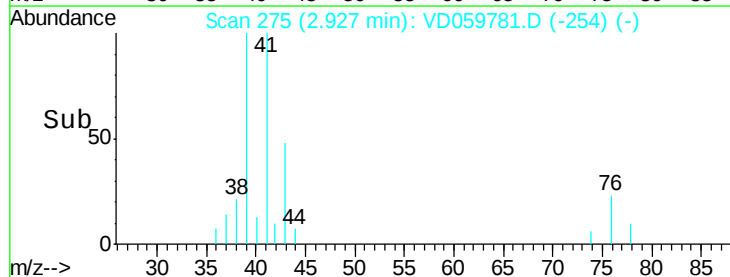
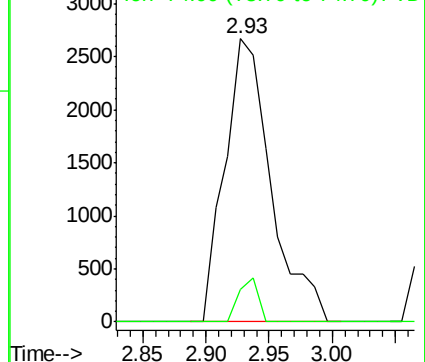
43 100

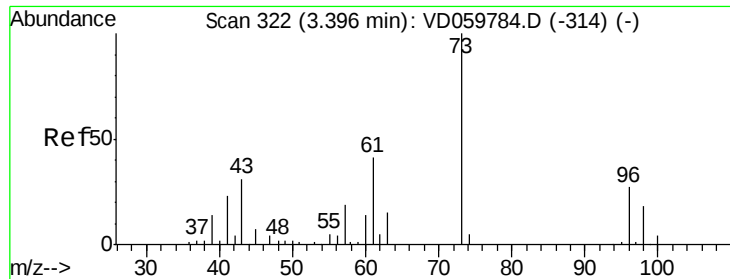
74 11.3 12.4 18.6#



Abundance Ion 42.95 (42.65 to 43.65): VD

Ion 74.00 (73.70 to 74.70): VD

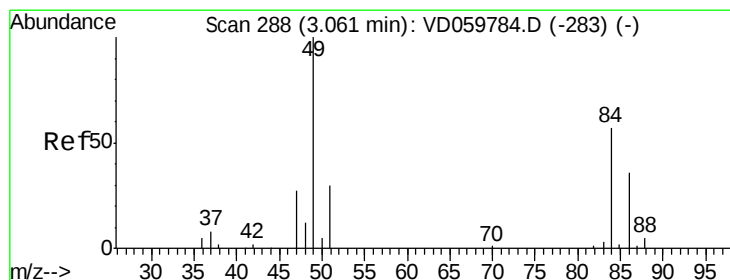
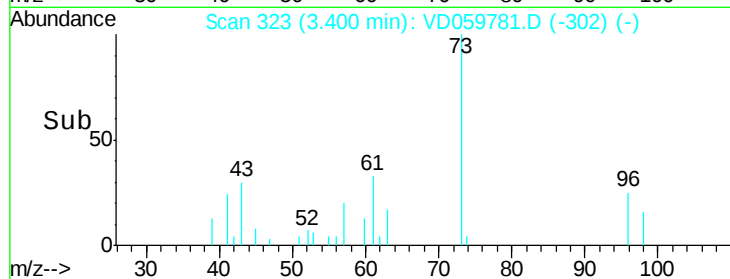
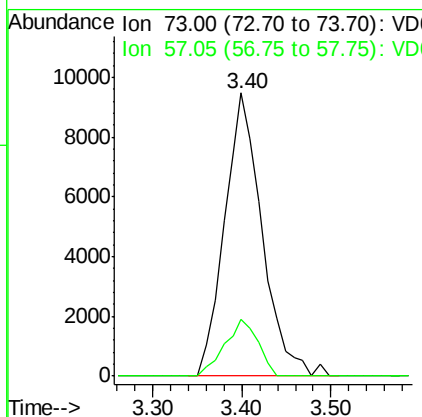
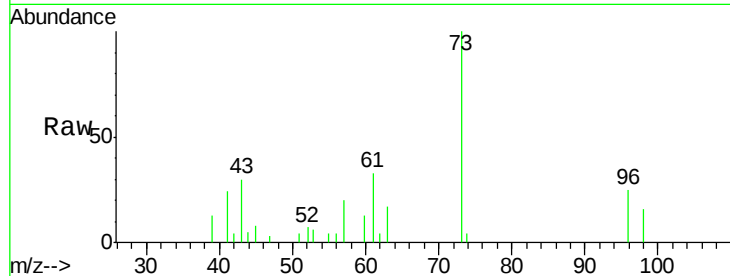




#19
Methvl tert-butvl Ether
Concen: 5.30 ug/l
RT: 3.40 min Scan# 323
Delta R.T. 0.00 min
Lab File: VD059781.D
Acq: 14 Aug 2018 22:58

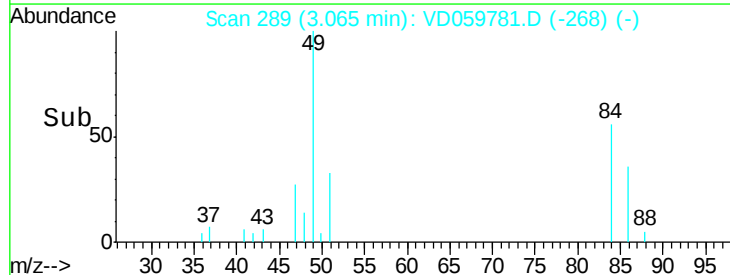
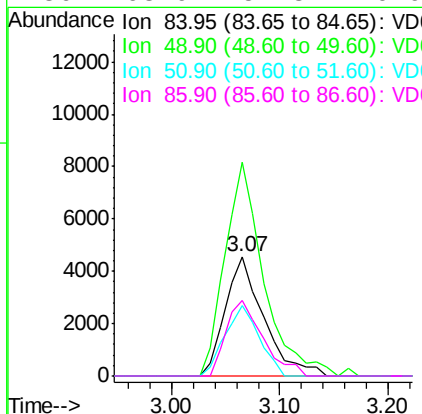
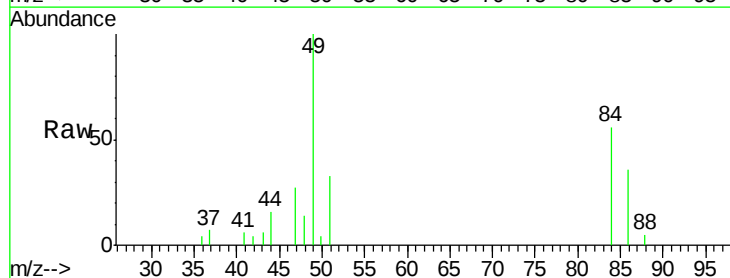
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

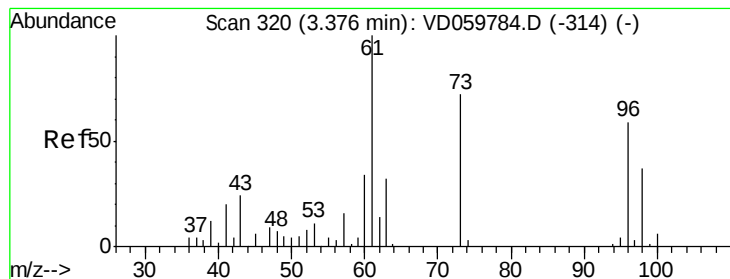
Tot Ion: 73 Resp: 27781
Ion Ratio Lower Upper
73 100
57 19.9 14.8 22.2



#20
Methylene Chloride
Concen: 5.93 ug/l
RT: 3.07 min Scan# 289
Delta R.T. 0.00 min
Lab File: VD059781.D
Acq: 14 Aug 2018 22:58

Tgt Ion: 84 Resp: 11275
Ion Ratio Lower Upper
84 100
49 179.3 140.9 211.3
51 59.4 42.8 64.2
86 63.9 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 5.25 ug/l

RT: 3.38 min Scan# 321

Delta R.T. 0.00 min

Lab File: VD059781.D

Acq: 14 Aug 2018 22:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

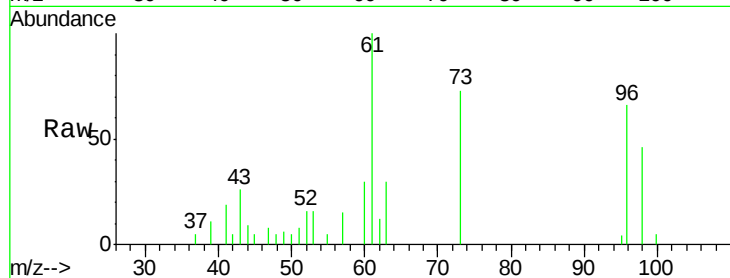
Tot Ion: 96 Resp: 11163

Ion Ratio Lower Upper

96 100

61 152.2 134.8 202.2

98 70.6 50.0 75.0

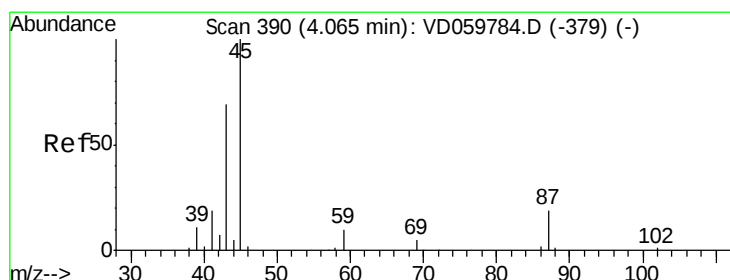
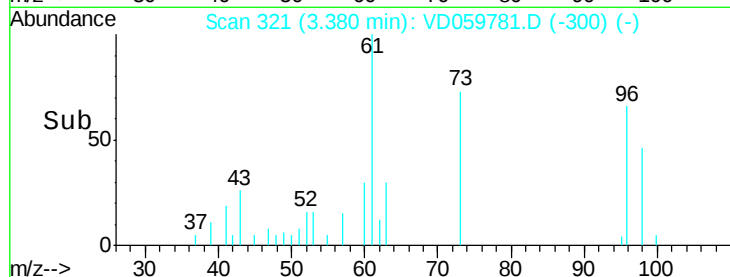
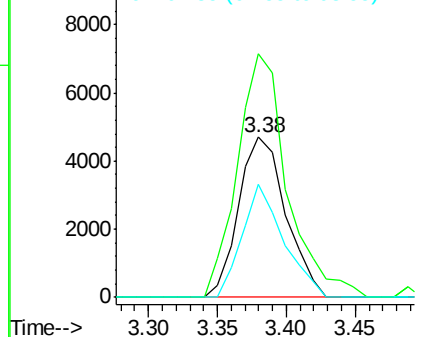


Abundance

Ion 95.90 (95.60 to 96.60): VD

Ion 60.95 (60.65 to 61.65): VD

Ion 97.85 (97.55 to 98.55): VD



#22

Diisopropyl ether

Concen: 5.20 ug/l

RT: 4.06 min Scan# 390

Delta R.T. -0.01 min

Lab File: VD059781.D

Acq: 14 Aug 2018 22:58

Tgt Ion: 45 Resp: 37884

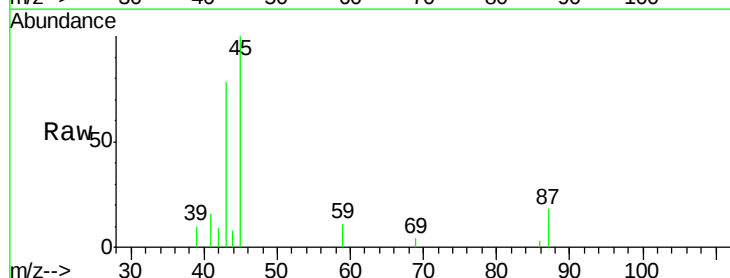
Ion Ratio Lower Upper

45 100

43 78.4 57.5 86.3

87 18.2 16.1 24.1

59 11.5 8.4 12.6



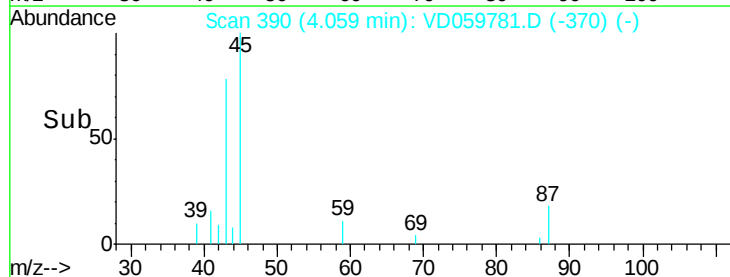
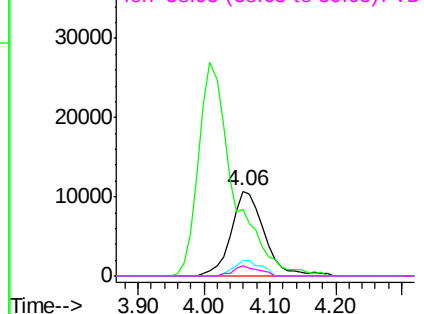
Abundance

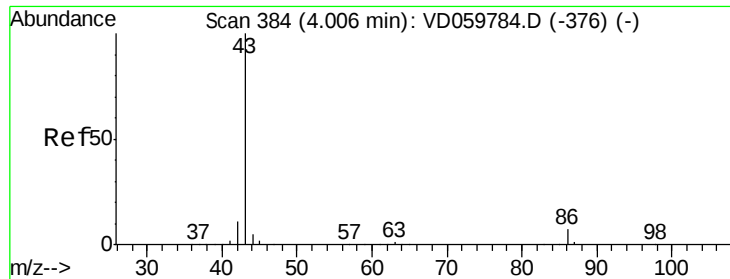
Ion 45.05 (44.75 to 45.75): VD

Ion 43.05 (42.75 to 43.75): VD

Ion 87.00 (86.70 to 87.70): VD

Ion 58.95 (58.65 to 59.65): VD

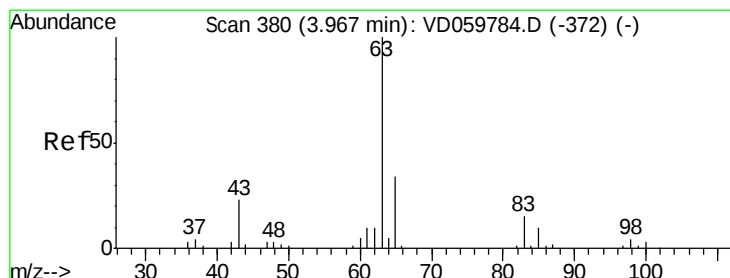
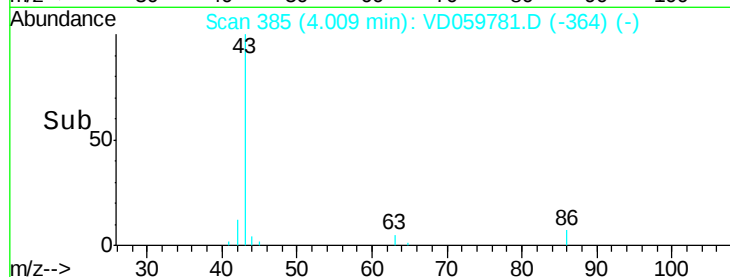
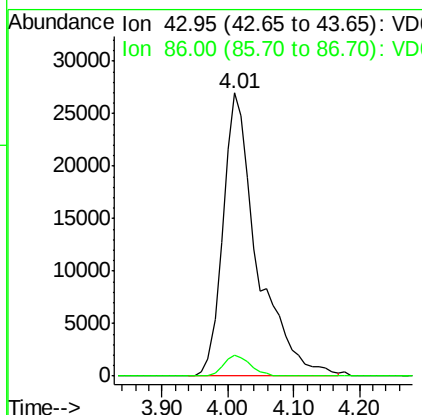
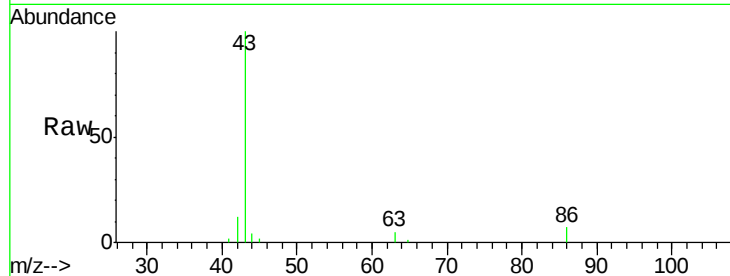




#23
 Vinyl Acetate
 Concen: 23.72 ug/l
 RT: 4.01 min Scan# 385
 Delta R.T. 0.00 min
 Lab File: VD059781.D
 Acq: 14 Aug 2018 22:58

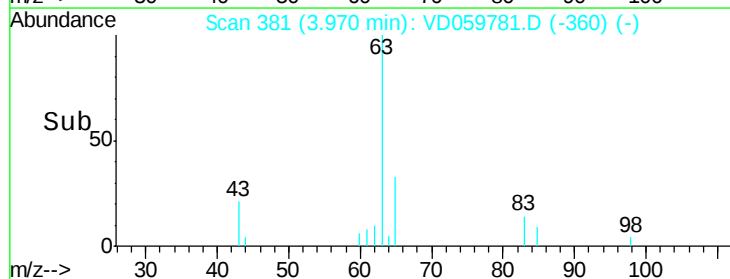
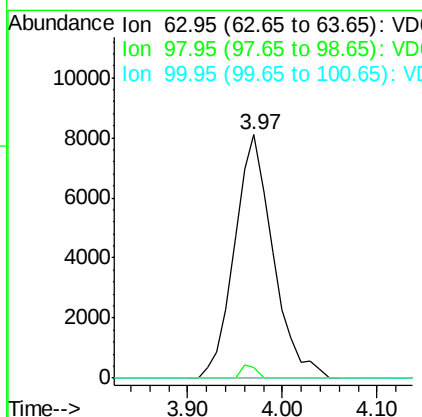
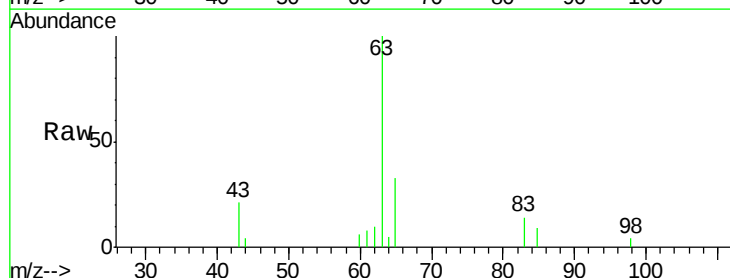
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

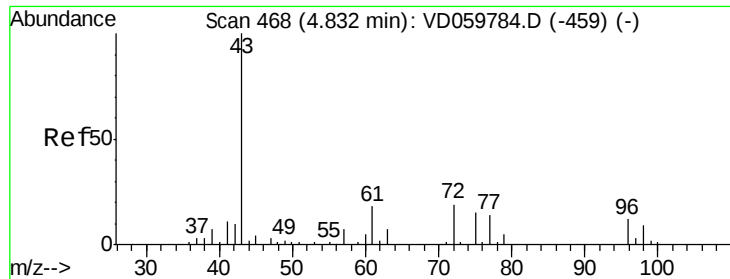
Tot Ion: 43 Resp: 98250
 Ion Ratio Lower Upper
 43 100
 86 7.5 5.4 8.0



#24
 1,1-Dichloroethane
 Concen: 5.26 ug/l
 RT: 3.97 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VD059781.D
 Acq: 14 Aug 2018 22:58

Tgt Ion: 63 Resp: 22818
 Ion Ratio Lower Upper
 63 100
 98 4.4 2.2 6.6
 100 0.0 1.6 4.7#





#25

2-Butanone

Concen: 25.02 ug/l

RT: 4.84 min Scan# 469

Delta R.T. 0.00 min

Lab File: VD059781.D

Acq: 14 Aug 2018 22:58

Instrument :

MSVOA_D

ClientSampleId :

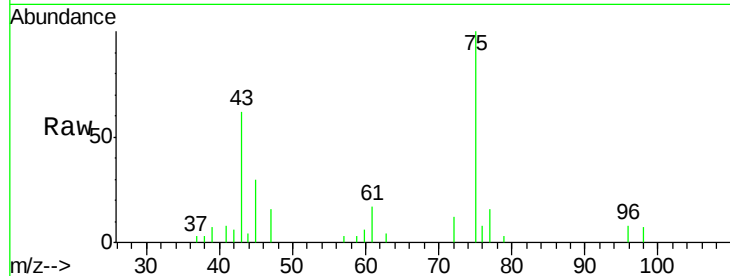
VSTDIC005

Tot Ion: 43 Resp: 18400

Ion Ratio Lower Upper

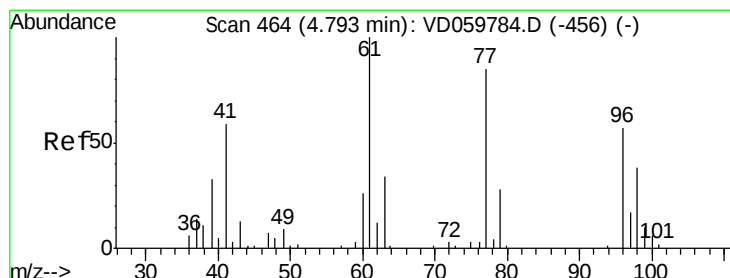
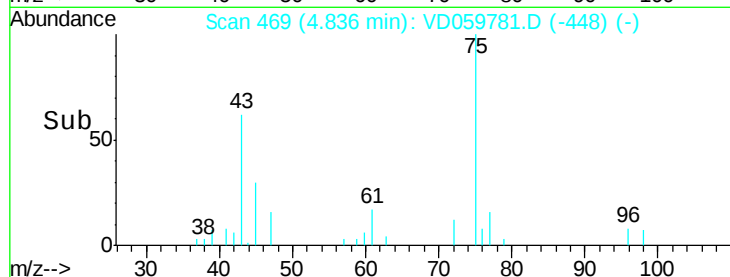
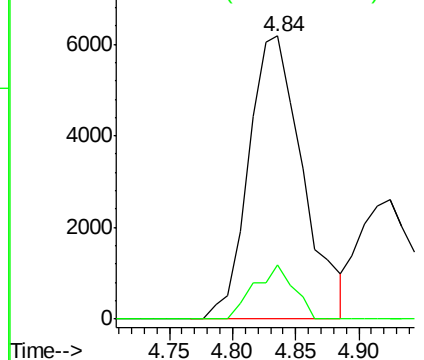
43 100

72 19.3 14.9 22.3



Abundance Ion 42.95 (42.65 to 43.65): VD

Ion 72.00 (71.70 to 72.70): VD



#26

2,2-Dichloropropane

Concen: 5.13 ug/l

RT: 4.80 min Scan# 465

Delta R.T. 0.00 min

Lab File: VD059781.D

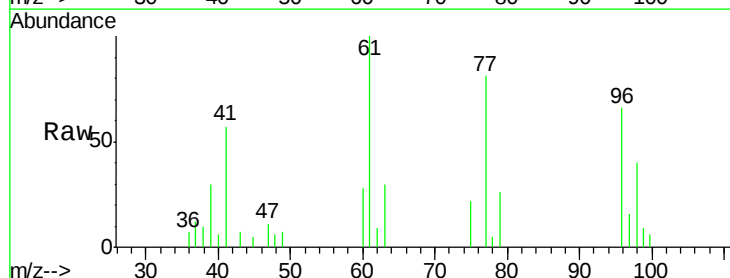
Acq: 14 Aug 2018 22:58

Tgt Ion: 77 Resp: 20383

Ion Ratio Lower Upper

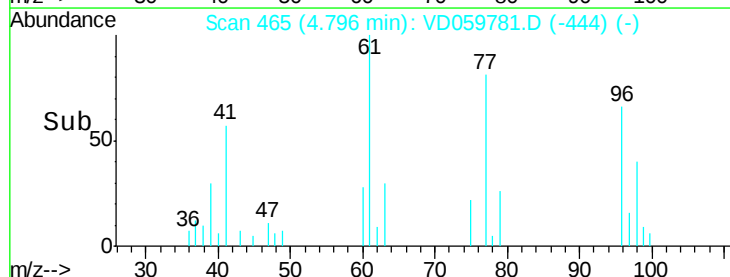
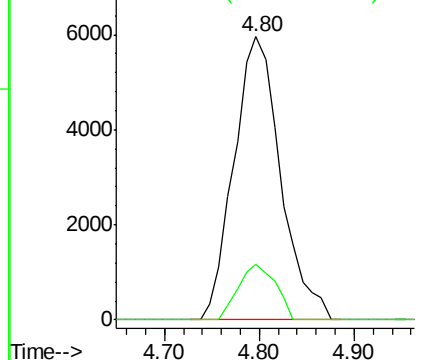
77 100

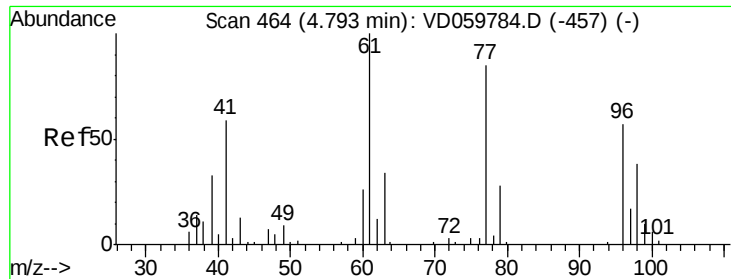
97 19.5 10.3 30.8



Abundance Ion 76.95 (76.65 to 77.65): VD

Ion 96.85 (96.55 to 97.55): VD





#27

cis-1,2-Dichloroethene

Concen: 5.02 ug/l

RT: 4.80 min Scan# 465

Delta R.T. 0.00 min

Lab File: VD059781.D

Acq: 14 Aug 2018 22:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

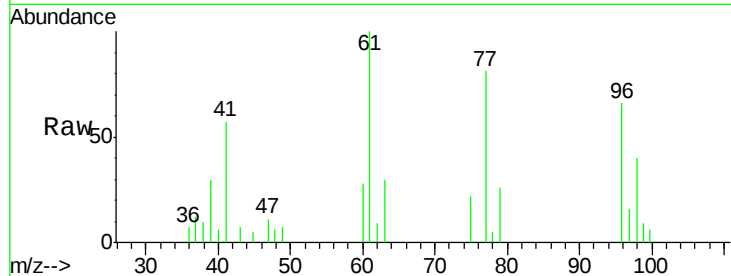
Tot Ion: 96 Resp: 11769

Ion Ratio Lower Upper

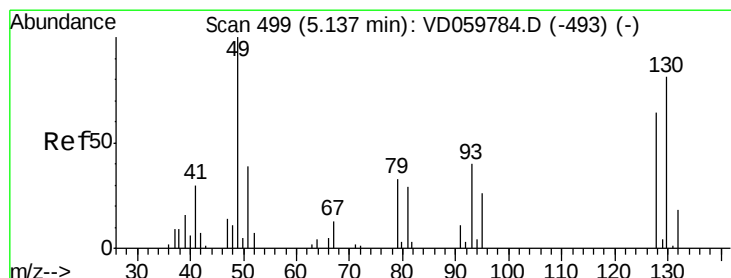
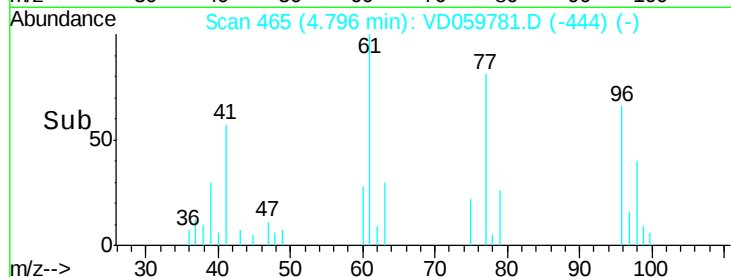
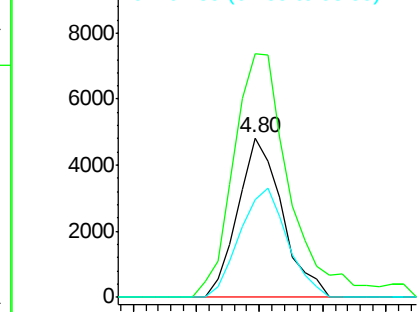
96 100

61 152.5 0.0 351.6

98 61.3 0.0 135.2



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



#28

Bromochloromethane

Concen: 4.72 ug/l

RT: 5.14 min Scan# 500

Delta R.T. 0.00 min

Lab File: VD059781.D

Acq: 14 Aug 2018 22:58

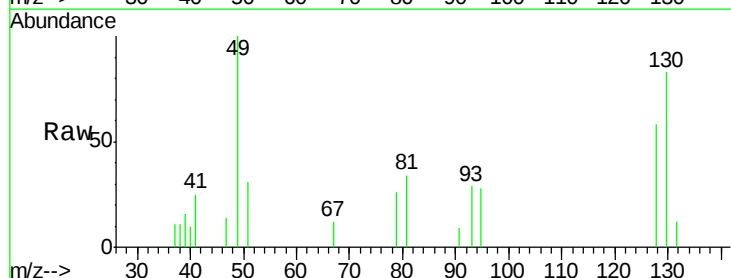
Tgt Ion: 49 Resp: 8002

Ion Ratio Lower Upper

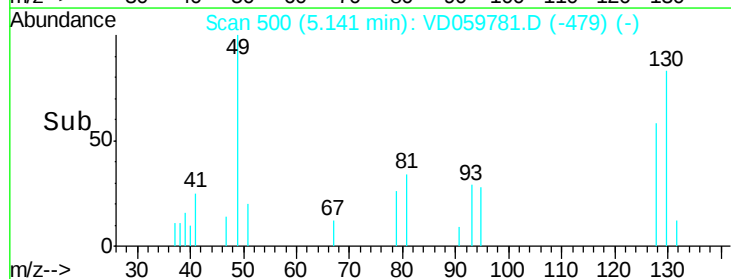
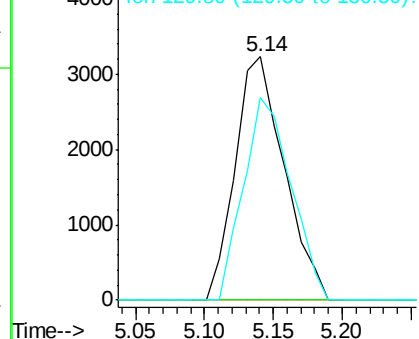
49 100

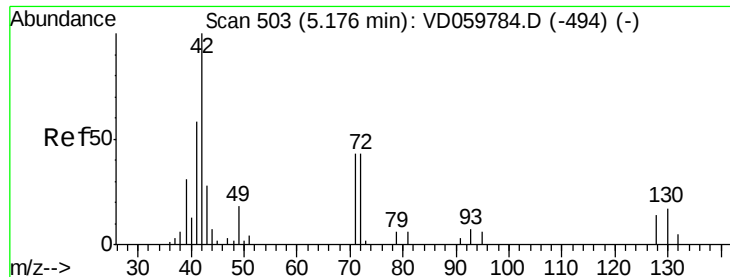
129 0.0 0.0 7.0

130 83.1 64.8 97.2



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

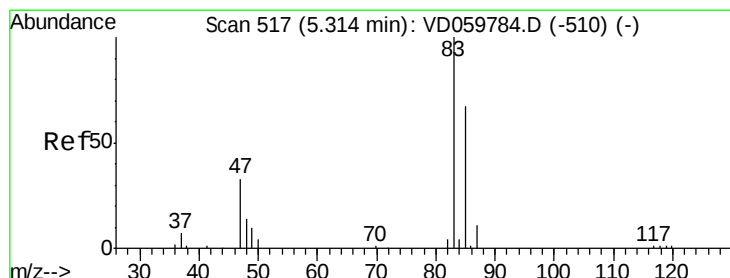
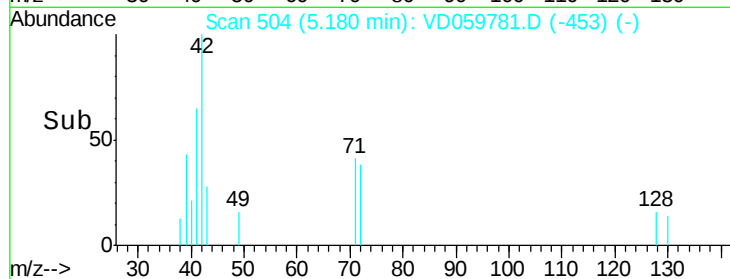
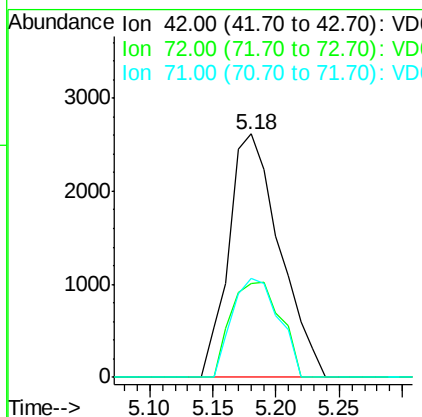
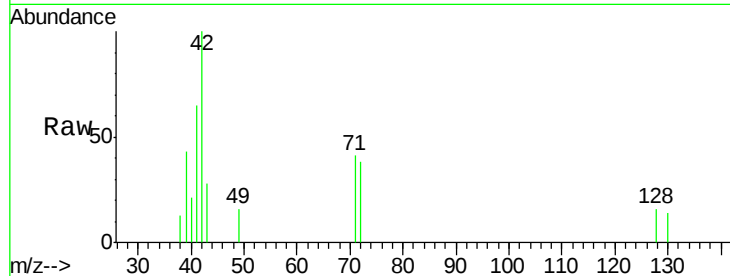




#29
Tetrahydrofuran
Concen: 22.63 ug/l
RT: 5.18 min Scan# 504
Delta R.T. 0.00 min
Lab File: VD059781.D
Acq: 14 Aug 2018 22:58

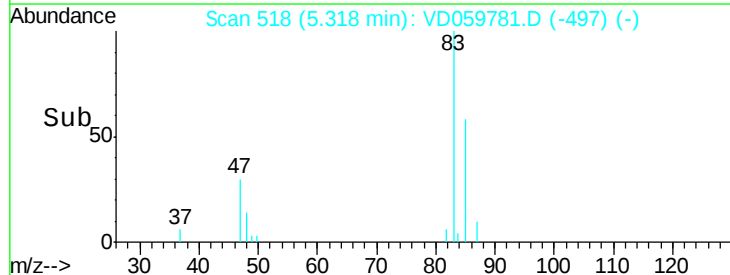
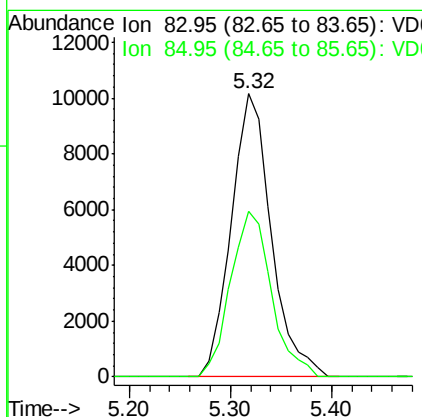
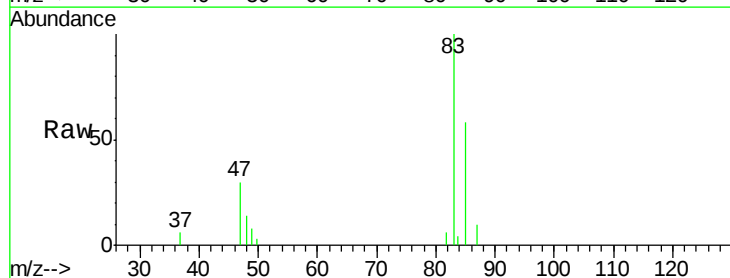
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

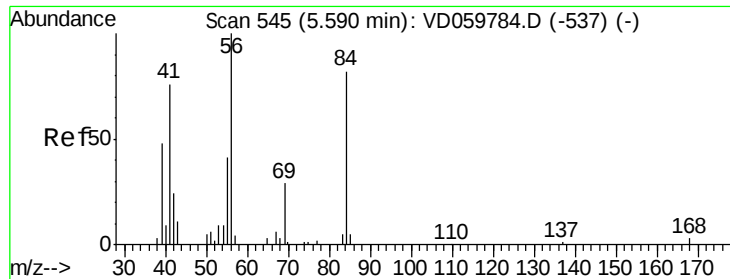
Tot Ion: 42 Resp: 7295
Ion Ratio Lower Upper
42 100
72 38.2 34.3 51.5
71 37.1 33.0 49.6



#30
Chloroform
Concen: 5.37 ug/l
RT: 5.32 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD059781.D
Acq: 14 Aug 2018 22:58

Tgt Ion: 83 Resp: 27996
Ion Ratio Lower Upper
83 100
85 58.4 53.4 80.2

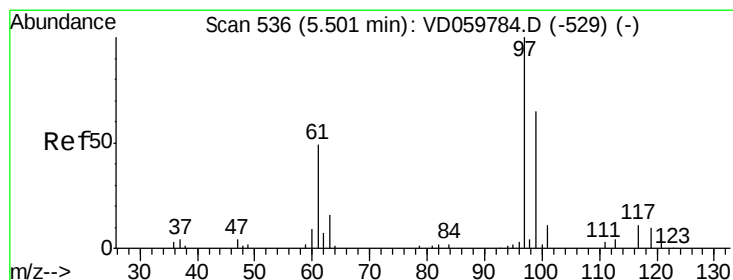
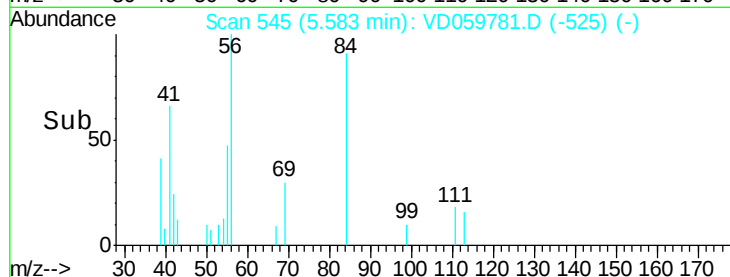
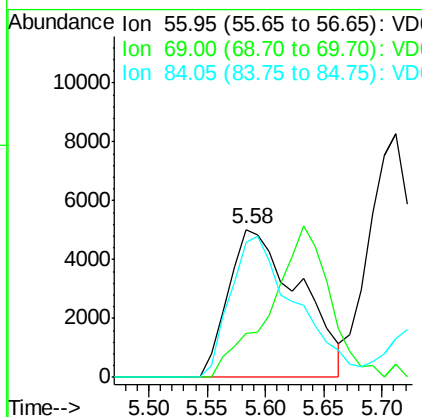
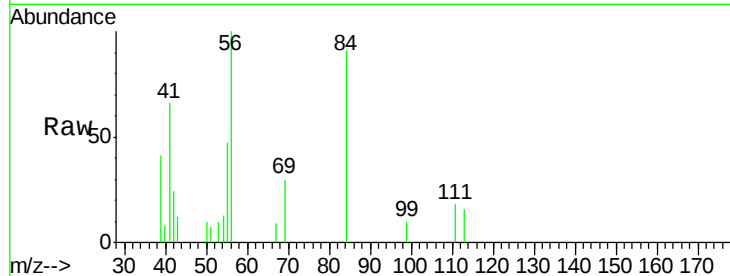




#31
Cyclohexane
Concen: 6.72 ug/l
RT: 5.58 min Scan# 545
Delta R.T. -0.01 min
Lab File: VD059781.D
Acq: 14 Aug 2018 22:58

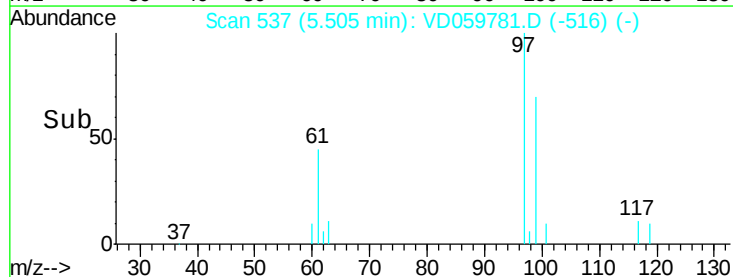
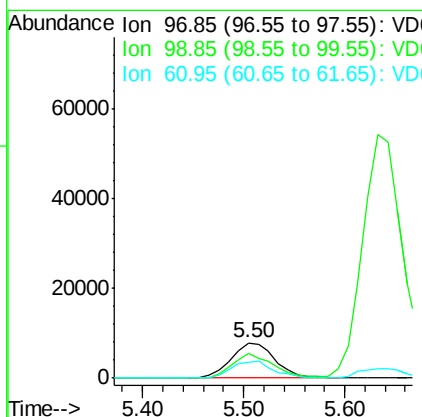
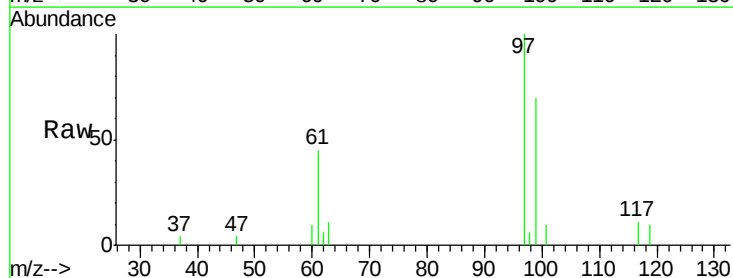
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

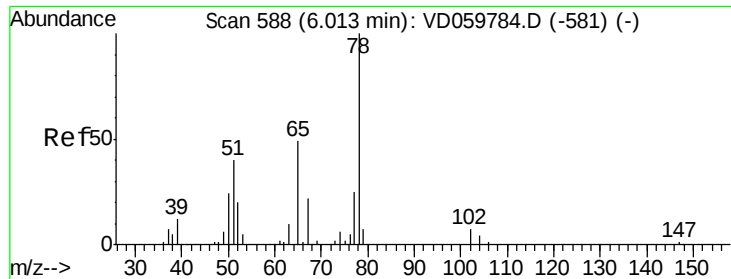
Tot Ion: 56 Resp: 21150
Ion Ratio Lower Upper
56 100
69 29.5 23.4 35.2
84 91.4 65.4 98.2



#32
1,1,1-Trichloroethane
Concen: 5.13 ug/l
RT: 5.50 min Scan# 537
Delta R.T. 0.00 min
Lab File: VD059781.D
Acq: 14 Aug 2018 22:58

Tgt Ion: 97 Resp: 23546
Ion Ratio Lower Upper
97 100
99 69.6 52.2 78.2
61 45.1 39.6 59.4

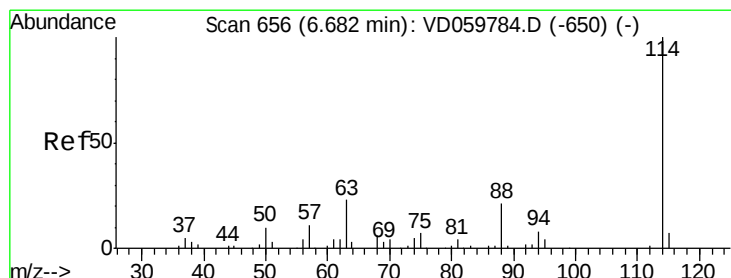
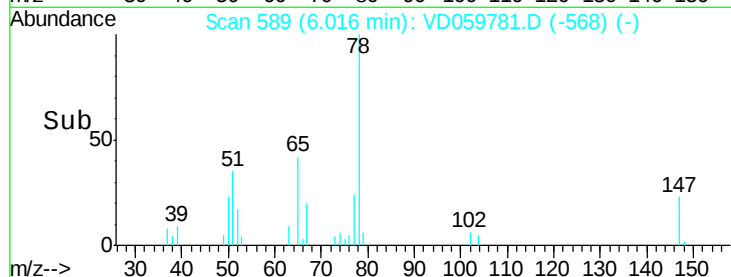
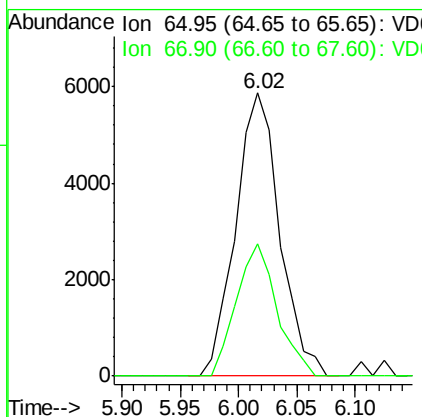
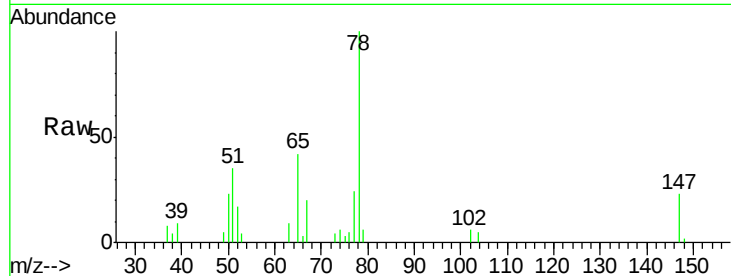




#33
 1,2-Dichloroethane-d4
 Concen: 5.13 ug/l
 RT: 6.02 min Scan# 589
 Delta R.T. 0.00 min
 Lab File: VD059781.D
 Acq: 14 Aug 2018 22:58

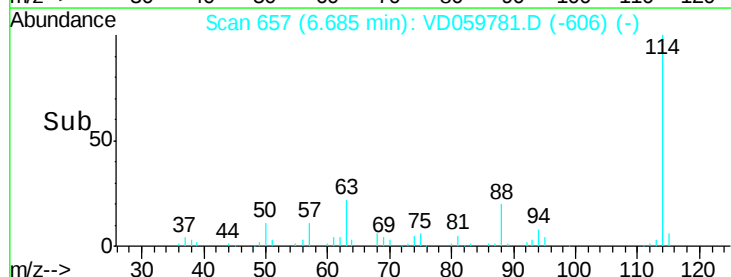
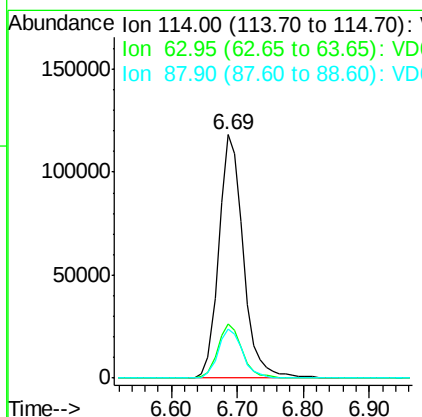
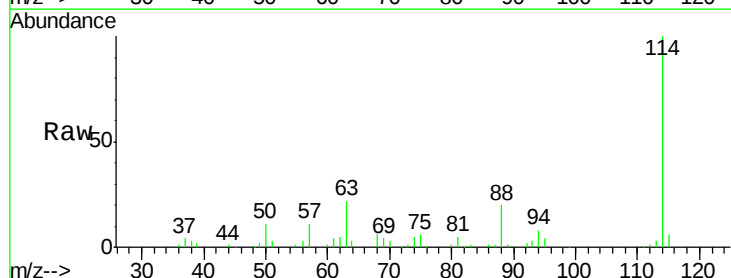
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

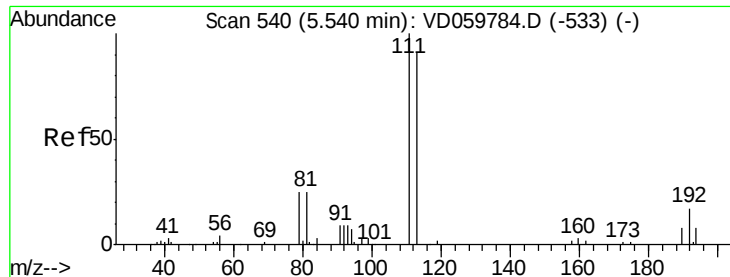
Tot Ion: 65 Resp: 15316
 Ion Ratio Lower Upper
 65 100
 67 46.6 0.0 87.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.69 min Scan# 657
 Delta R.T. 0.00 min
 Lab File: VD059781.D
 Acq: 14 Aug 2018 22:58

Tgt Ion: 114 Resp: 304978
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 45.0
 88 20.4 0.0 41.2

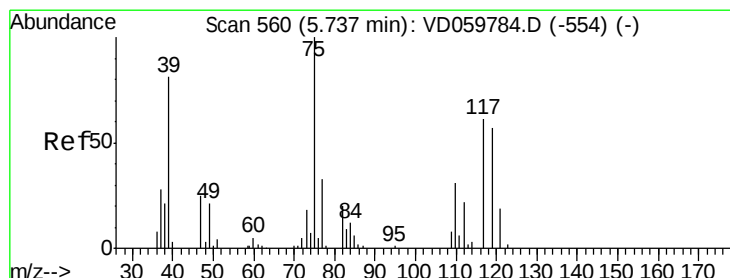
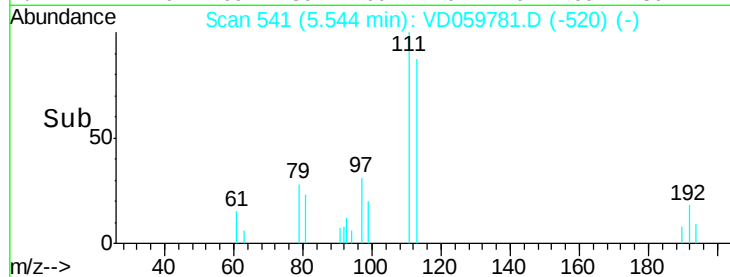
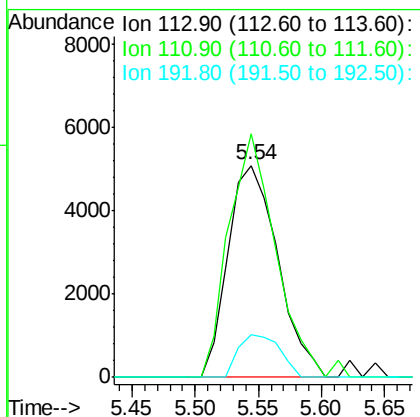
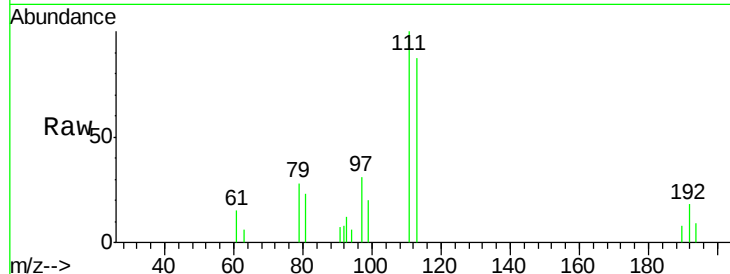




#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 5.54 min Scan# 541
 Delta R.T. 0.00 min
 Lab File: VD059781.D
 Acq: 14 Aug 2018 22:58

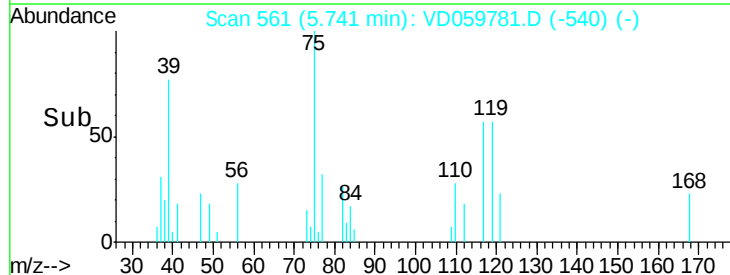
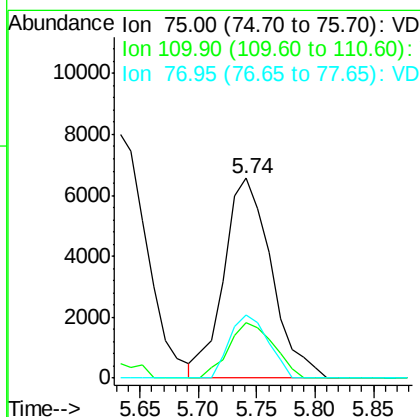
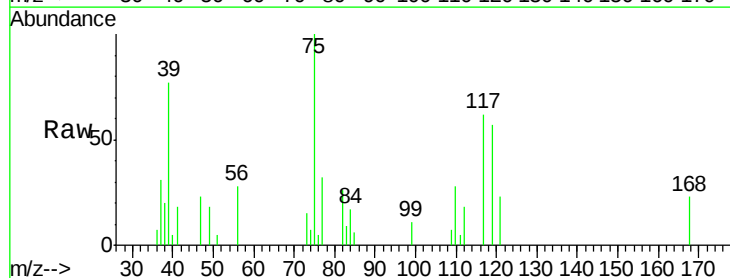
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

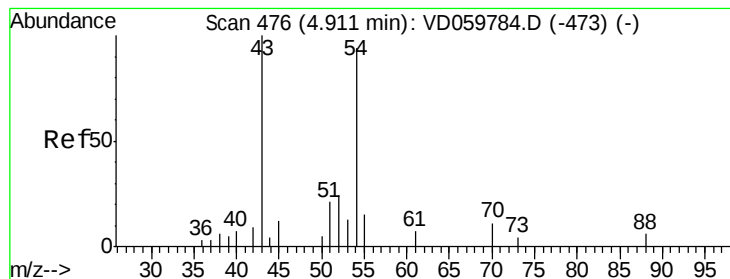
Tot Ion:113 Resp: 13905
 Ion Ratio Lower Upper
 113 100
 111 115.0 87.7 131.5
 192 20.2 14.6 21.8



#36
 1,1-Dichloropropene
 Concen: 6.03 ug/l
 RT: 5.74 min Scan# 561
 Delta R.T. 0.00 min
 Lab File: VD059781.D
 Acq: 14 Aug 2018 22:58

Tgt Ion: 75 Resp: 18512
 Ion Ratio Lower Upper
 75 100
 110 27.7 15.3 45.8
 77 31.9 26.2 39.4





#37

Ethyl Acetate

Concen: 5.34 ug/l

RT: 4.92 min Scan# 478

Delta R.T. 0.01 min

Lab File: VD059781.D

Acq: 14 Aug 2018 22:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

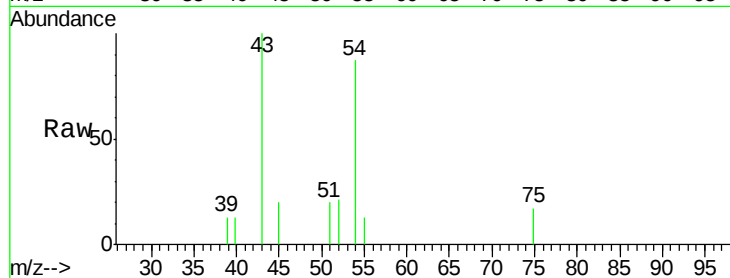
Tot Ion: 43 Resp: 8199

Ion Ratio Lower Upper

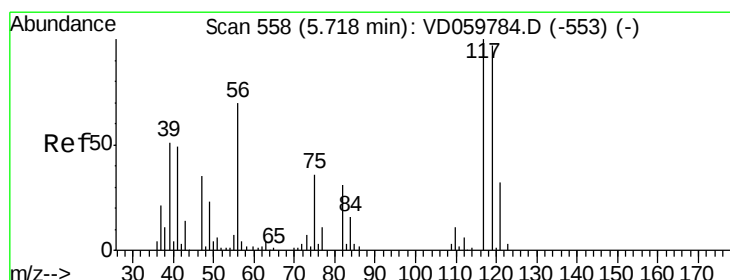
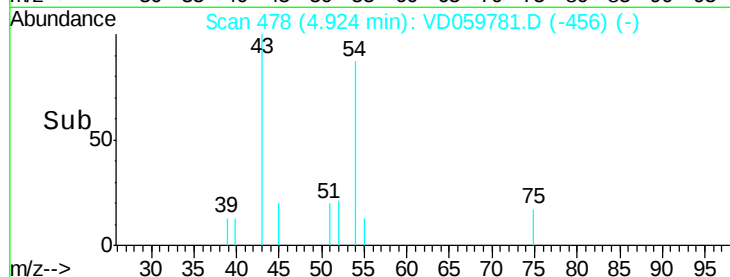
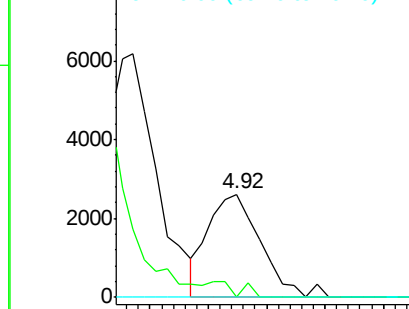
43 100

61 0.0 10.2 15.2#

70 0.0 5.8 8.8#



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



#38

Carbon Tetrachloride

Concen: 5.75 ug/l

RT: 5.72 min Scan# 559

Delta R.T. 0.00 min

Lab File: VD059781.D

Acq: 14 Aug 2018 22:58

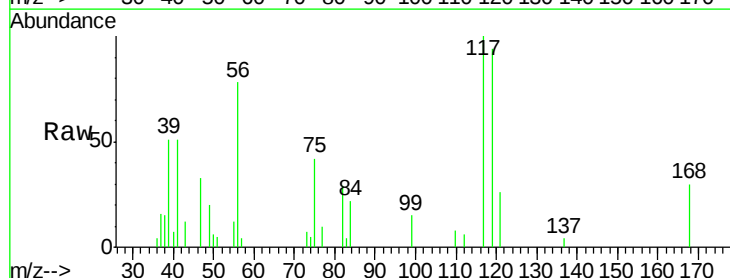
Tgt Ion: 117 Resp: 21383

Ion Ratio Lower Upper

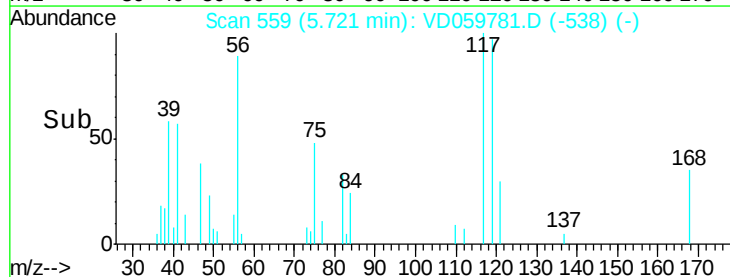
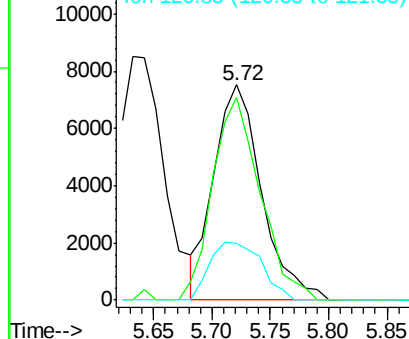
117 100

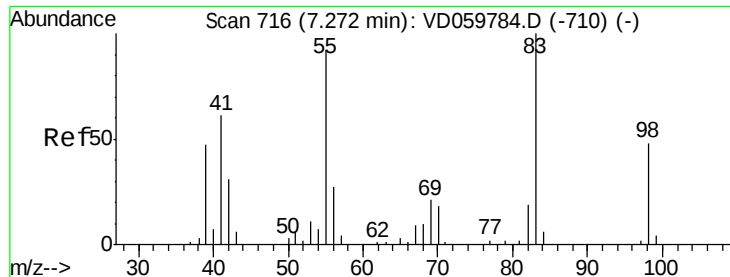
119 94.2 75.7 113.5

121 26.2 24.7 37.1



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

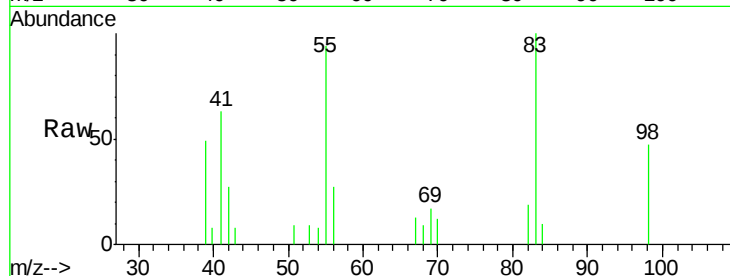




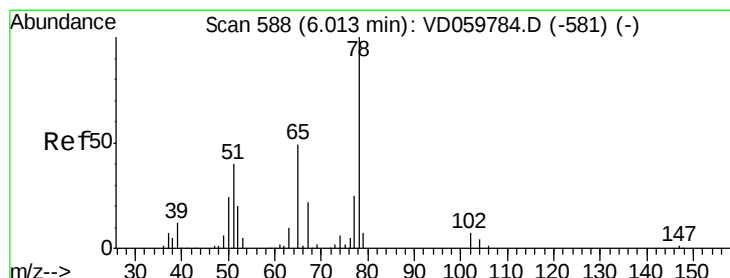
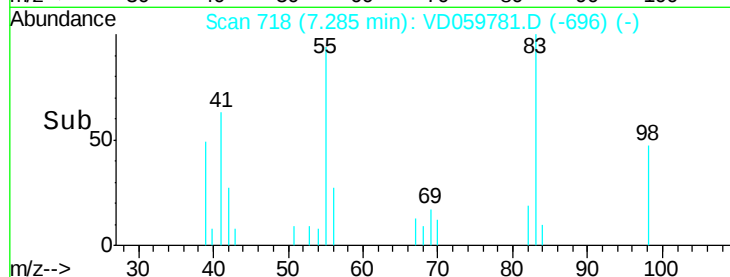
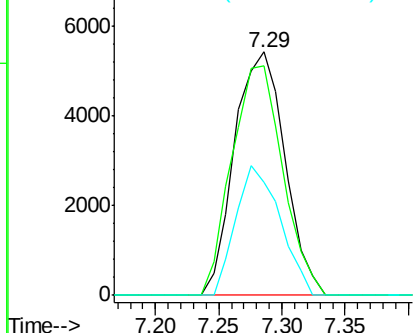
#39
Methvlcvclohexane
Concen: 5.56 ug/l
RT: 7.29 min Scan# 718
Delta R.T. 0.01 min
Lab File: VD059781.D
Acq: 14 Aug 2018 22:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 83 Resp: 14976
Ion Ratio Lower Upper
83 100
55 94.2 73.8 110.6
98 46.6 38.4 57.6

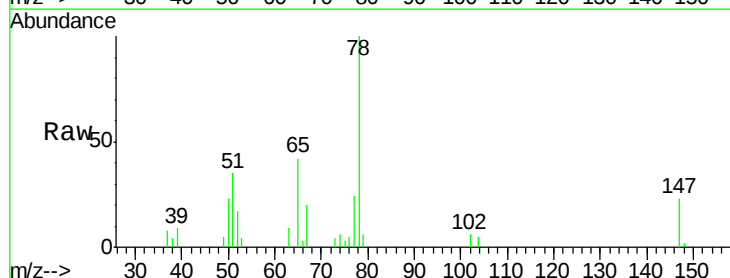


Abundance Ion 83.05 (82.75 to 83.75): VD
Ion 55.00 (54.70 to 55.70): VD
Ion 98.05 (97.75 to 98.75): VD

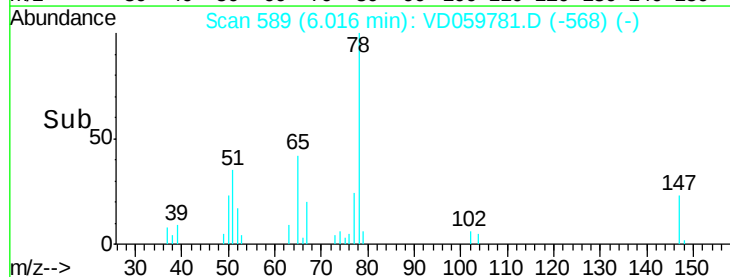
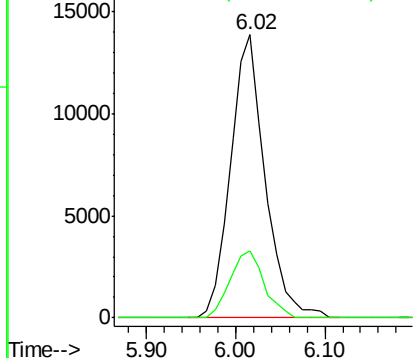


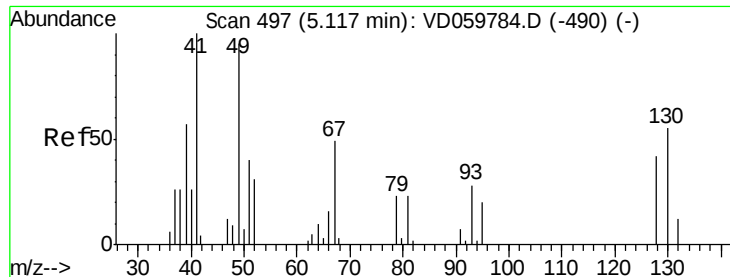
#40
Benzene
Concen: 5.58 ug/l
RT: 6.02 min Scan# 589
Delta R.T. 0.00 min
Lab File: VD059781.D
Acq: 14 Aug 2018 22:58

Tgt Ion: 78 Resp: 37255
Ion Ratio Lower Upper
78 100
77 23.8 19.6 29.4



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

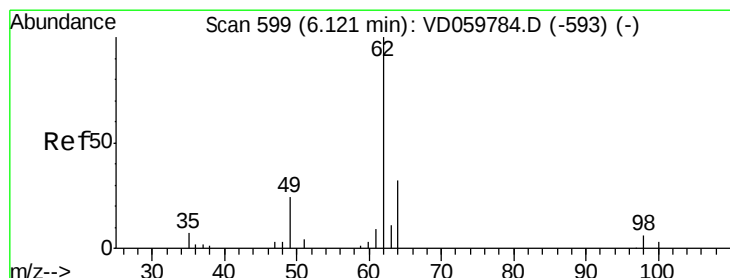
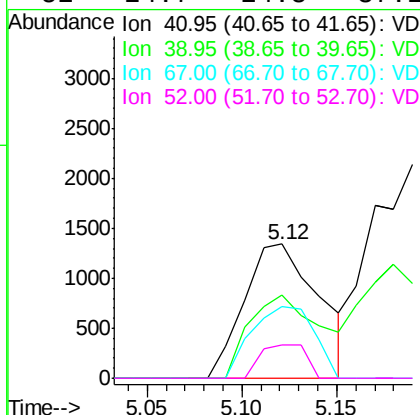
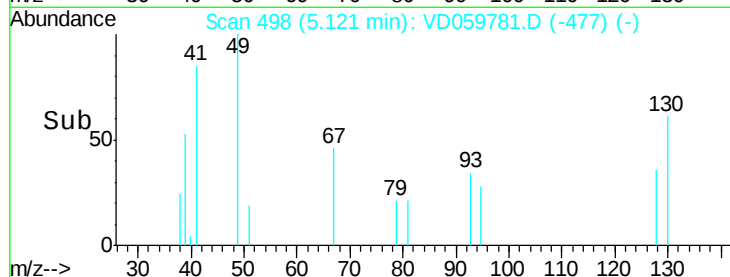
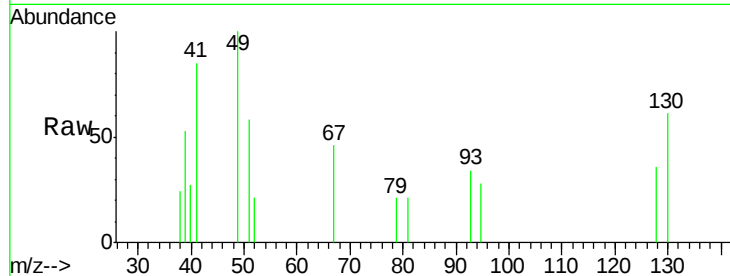




#41
Methacrylonitrile
Concen: 5.02 ug/l
RT: 5.12 min Scan# 498
Delta R.T. 0.00 min
Lab File: VD059781.D
Acq: 14 Aug 2018 22:58

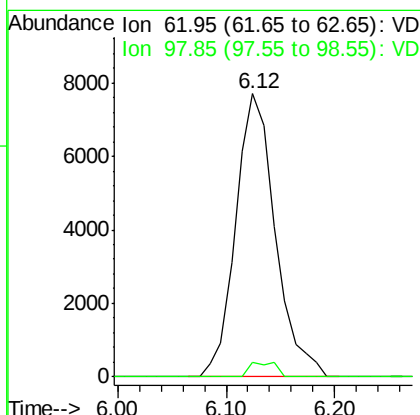
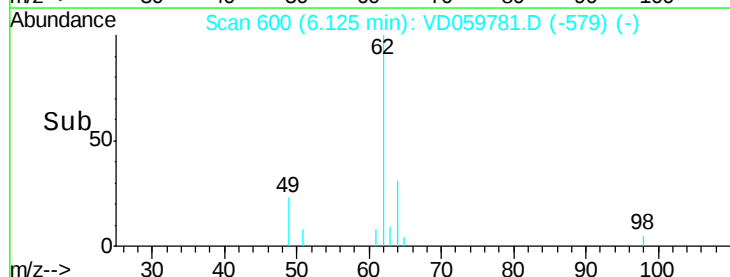
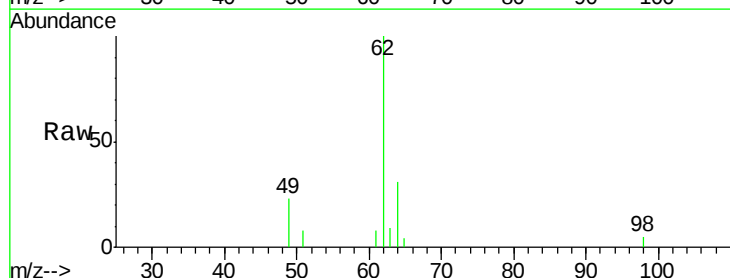
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

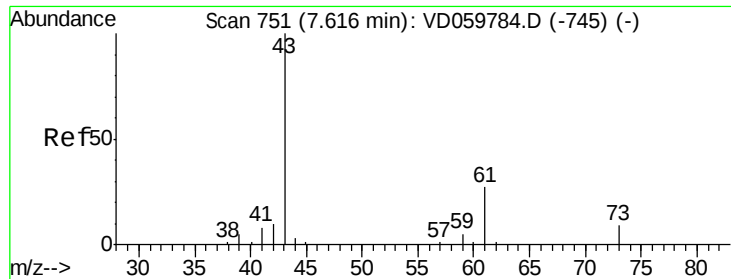
Tot Ion: 41 Resp: 3675
Ion Ratio Lower Upper
41 100
39 62.3 45.4 68.2
67 53.8 39.5 59.3
52 24.7 24.8 37.2#



#42
1,2-Dichloroethane
Concen: 5.46 ug/l
RT: 6.12 min Scan# 600
Delta R.T. 0.00 min
Lab File: VD059781.D
Acq: 14 Aug 2018 22:58

Tgt Ion: 62 Resp: 19584
Ion Ratio Lower Upper
62 100
98 5.3 0.0 12.0





#43

Isopropyl Acetate

Concen: 4.88 ug/l

RT: 7.61 min Scan# 751

Delta R.T. -0.01 min

Lab File: VD059781.D

Acq: 14 Aug 2018 22:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

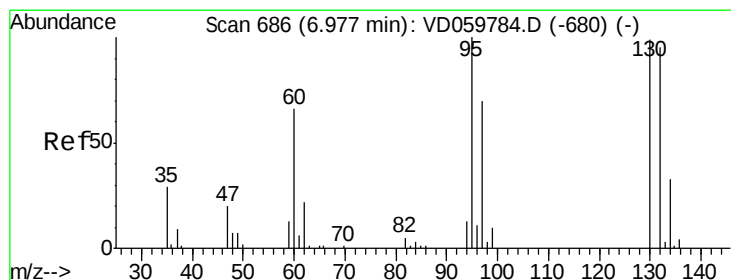
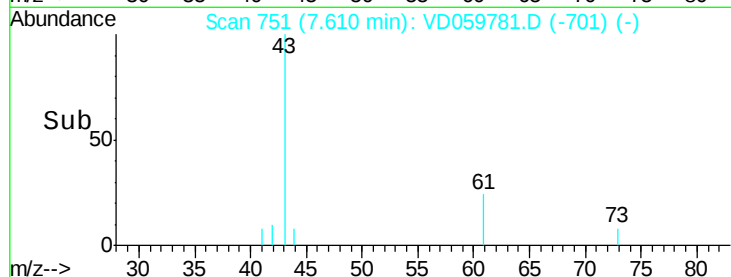
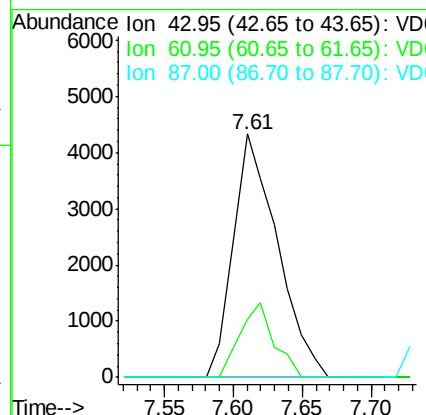
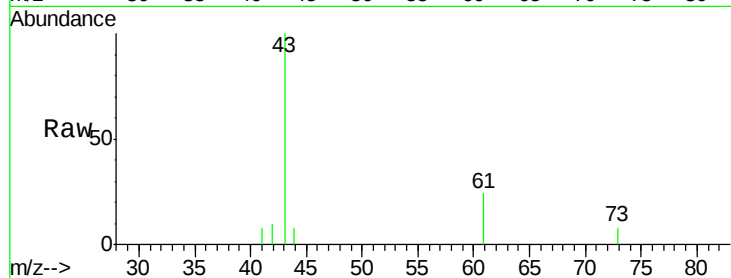
Tot Ion: 43 Resp: 9593

Ion Ratio Lower Upper

43 100

61 23.9 21.2 31.8

87 0.0 0.0 0.0



#44

Trichloroethene

Concen: 5.66 ug/l

RT: 6.98 min Scan# 687

Delta R.T. 0.00 min

Lab File: VD059781.D

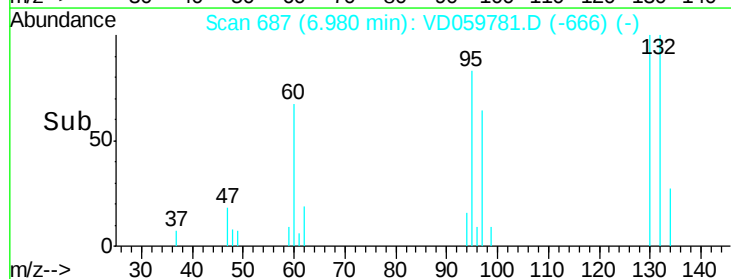
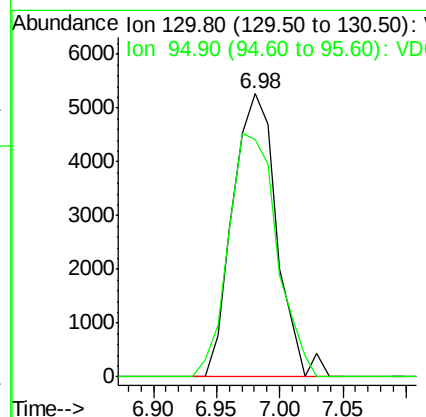
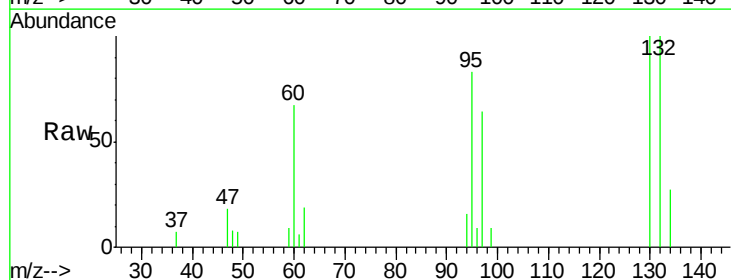
Acq: 14 Aug 2018 22:58

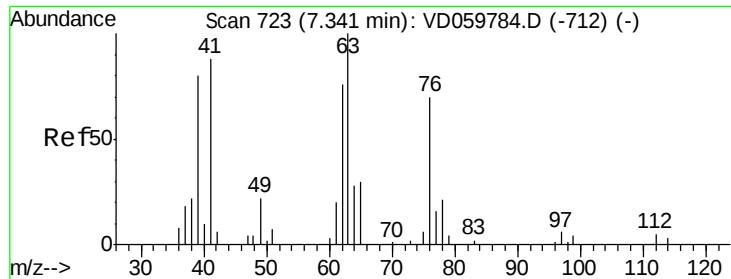
Tgt Ion: 130 Resp: 12693

Ion Ratio Lower Upper

130 100

95 83.9 0.0 201.2





#45

1,2-Dichloropropane

Concen: 5.11 ug/l

RT: 7.34 min Scan# 724

Delta R.T. 0.00 min

Lab File: VD059781.D

Acq: 14 Aug 2018 22:58

Instrument :

MSVOA_D

ClientSampleId :

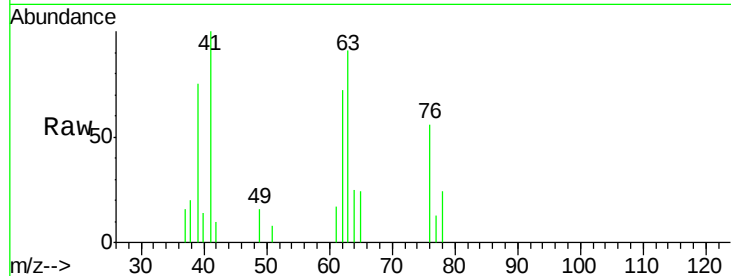
VSTDIC005

Tot Ion: 63 Resp: 8788

Ion Ratio Lower Upper

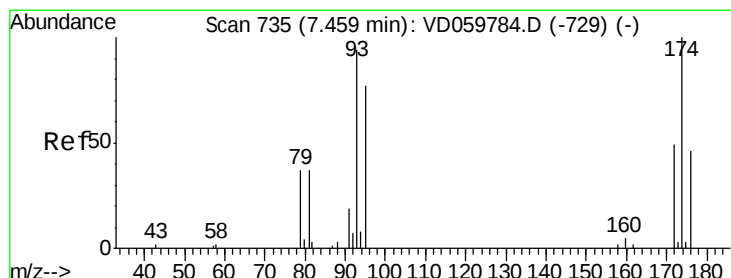
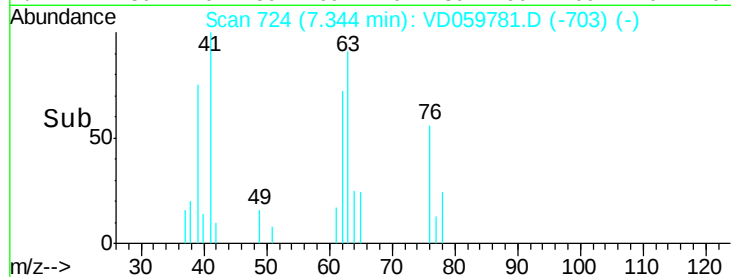
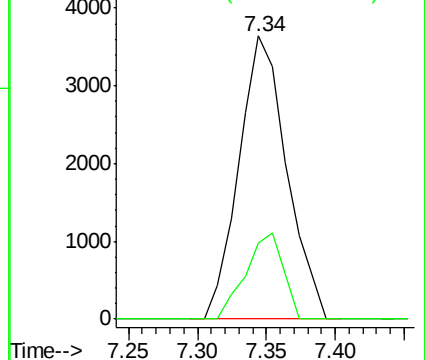
63 100

65 26.7 24.2 36.4



Abundance Ion 62.95 (62.65 to 63.65): VD

Ion 64.95 (64.65 to 65.65): VD



#46

Dibromomethane

Concen: 5.47 ug/l

RT: 7.46 min Scan# 736

Delta R.T. 0.00 min

Lab File: VD059781.D

Acq: 14 Aug 2018 22:58

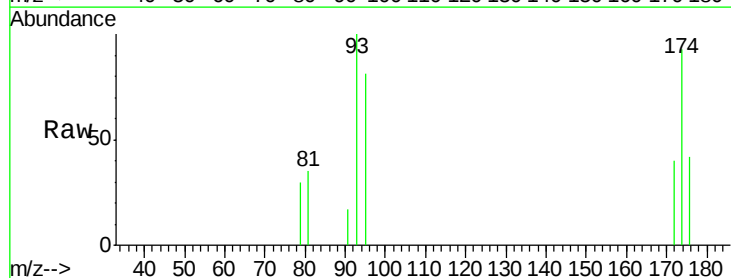
Tgt Ion: 93 Resp: 7653

Ion Ratio Lower Upper

93 100

95 80.6 66.2 99.4

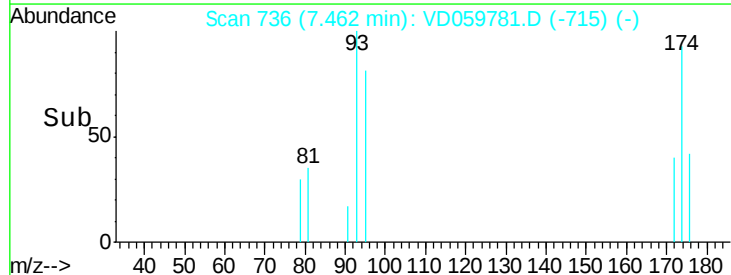
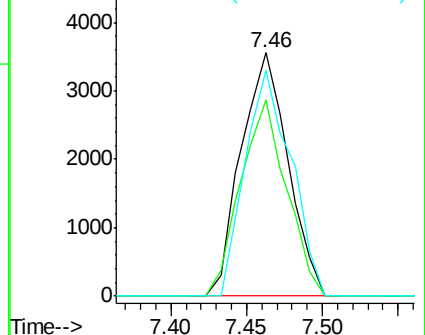
174 92.9 85.5 128.3

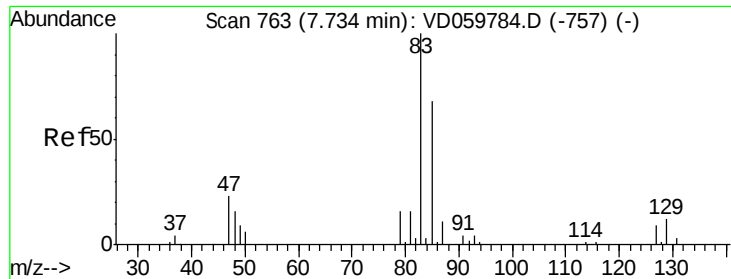


Abundance Ion 92.90 (92.60 to 93.60): VD

Ion 94.90 (94.60 to 95.60): VD

Ion 173.80 (173.50 to 174.50):





#47

Bromodichloromethane

Concen: 5.32 ug/l

RT: 7.74 min Scan# 764

Delta R.T. 0.00 min

Lab File: VD059781.D

Acq: 14 Aug 2018 22:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

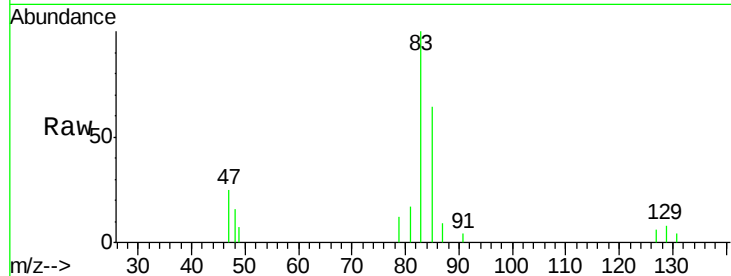
Tot Ion: 83 Resp: 18180

Ion Ratio Lower Upper

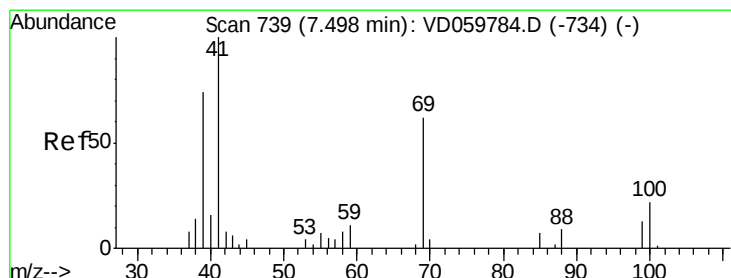
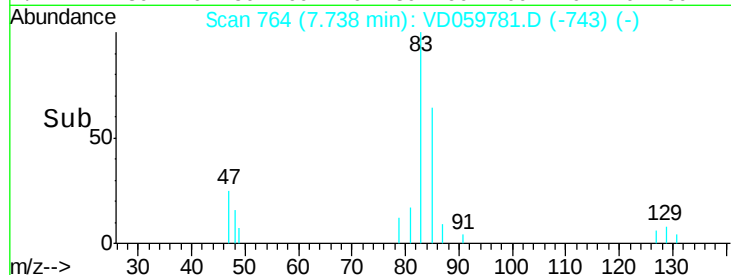
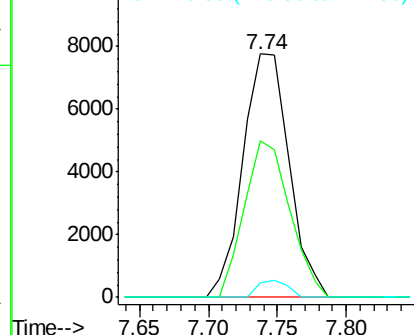
83 100

85 64.4 54.1 81.1

127 5.9 7.5 11.3#



Abundance Ion 82.85 (82.55 to 83.55): VD
Ion 84.95 (84.65 to 85.65): VD
Ion 126.80 (126.50 to 127.50):



#48

Methyl methacrylate

Concen: 4.50 ug/l

RT: 7.50 min Scan# 740

Delta R.T. 0.00 min

Lab File: VD059781.D

Acq: 14 Aug 2018 22:58

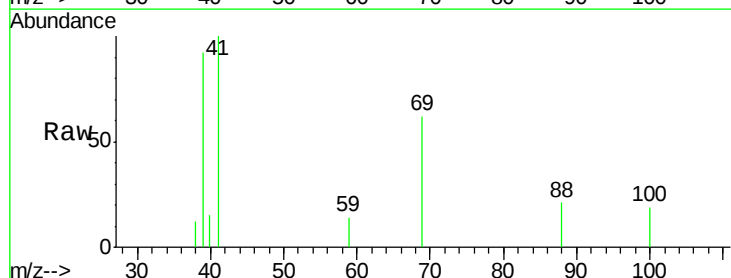
Tgt Ion: 41 Resp: 5798

Ion Ratio Lower Upper

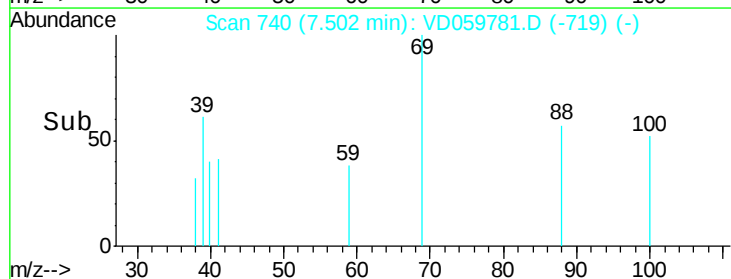
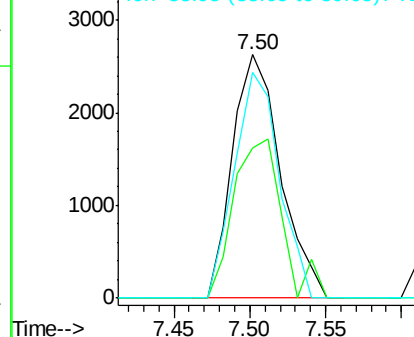
41 100

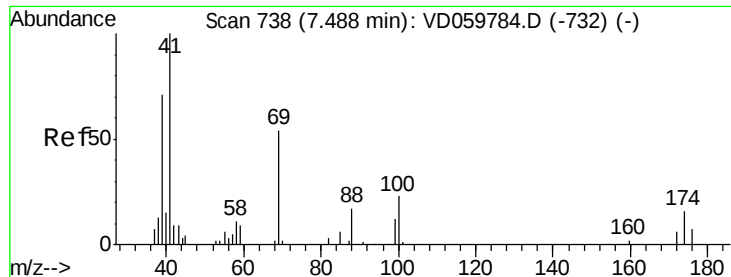
69 61.7 49.8 74.8

39 92.5 59.0 88.4#



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

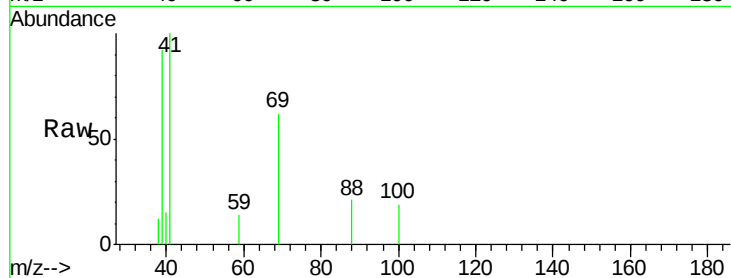




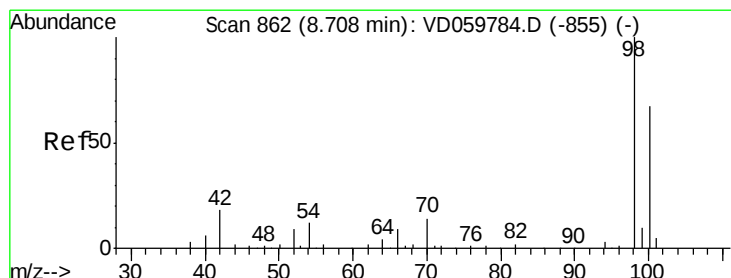
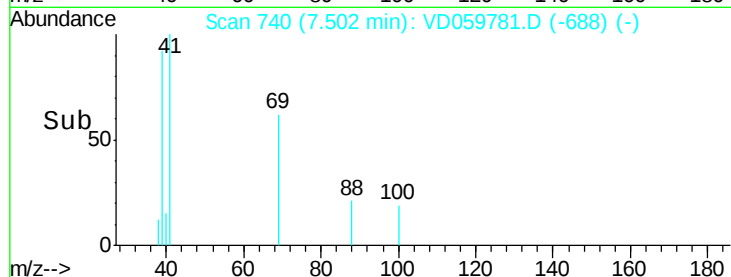
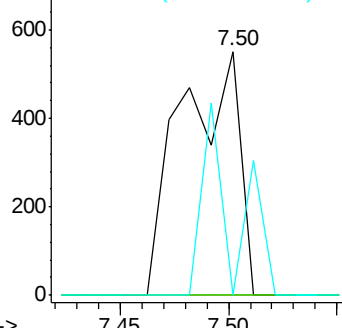
#49
 1,4-Dioxane
 Concen: 126.59 ug/l
 RT: 7.50 min Scan# 740
 Delta R.T. 0.01 min
 Lab File: VD059781.D
 Acq: 14 Aug 2018 22:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion: 88 Resp: 1039
 Ion Ratio Lower Upper
 88 100
 43 0.0 42.0 63.0#
 58 0.0 51.4 77.0#

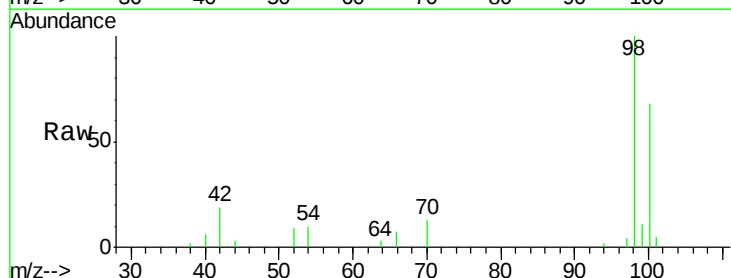


Abundance Ion 88.00 (87.70 to 88.70): VD
 Ion 43.05 (42.75 to 43.75): VD
 Ion 57.95 (57.65 to 58.65): VD

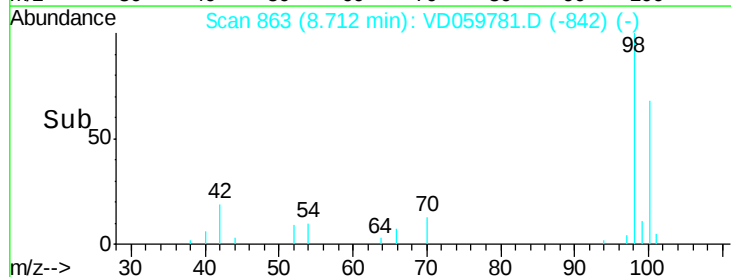
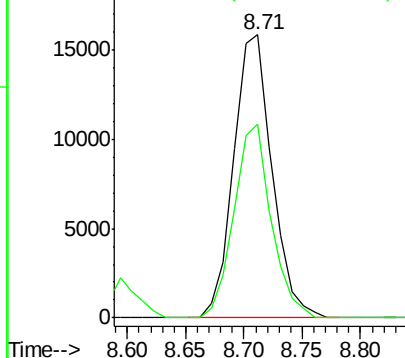


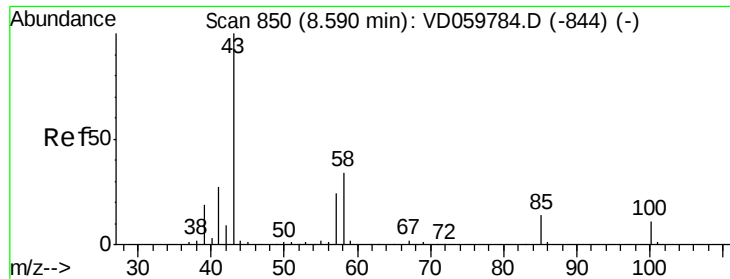
#50
 Toluene-d8
 Concen: 126.59 ug/l
 RT: 8.71 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VD059781.D
 Acq: 14 Aug 2018 22:58

Tgt Ion: 98 Resp: 36141
 Ion Ratio Lower Upper
 98 100
 100 68.5 54.2 81.4



Abundance Ion 98.05 (97.75 to 98.75): VD
 Ion 100.05 (99.75 to 100.75): V





#51

4-Methyl-2-Pentanone

Concen: 23.51 ug/l

RT: 8.59 min Scan# 851

Delta R.T. 0.00 min

Lab File: VD059781.D

Acq: 14 Aug 2018 22:58

Instrument :

MSVOA_D

ClientSampleId :

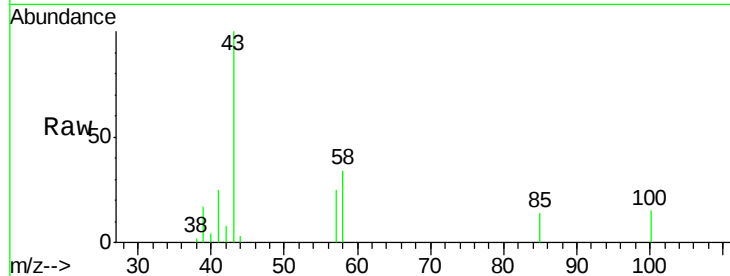
VSTDIC005

Tot Ion: 43 Resp: 35086

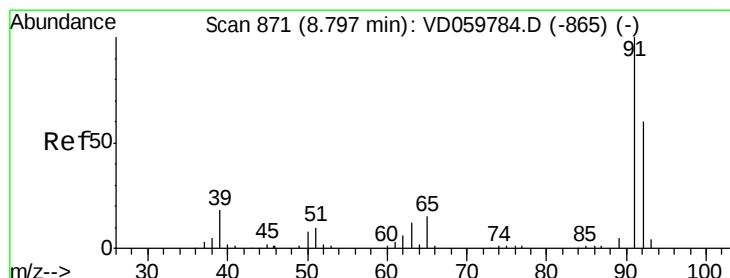
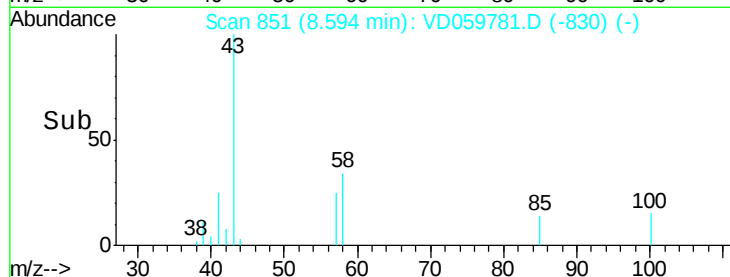
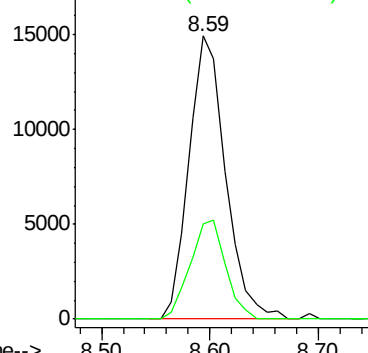
Ion Ratio Lower Upper

43 100

58 33.6 27.5 41.3



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



#52

Toluene

Concen: 5.60 ug/l

RT: 8.80 min Scan# 872

Delta R.T. 0.00 min

Lab File: VD059781.D

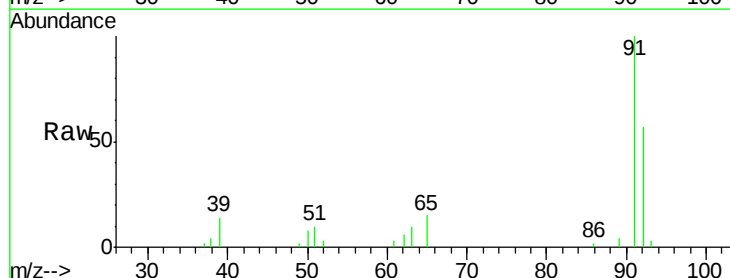
Acq: 14 Aug 2018 22:58

Tgt Ion: 92 Resp: 23797

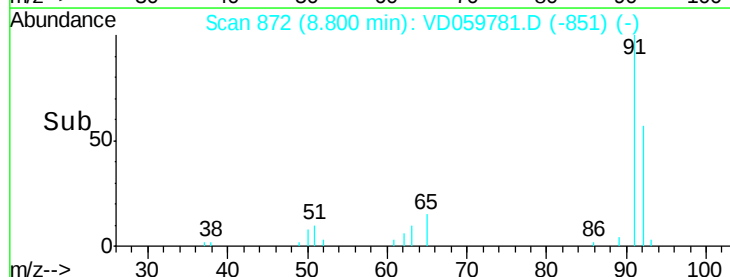
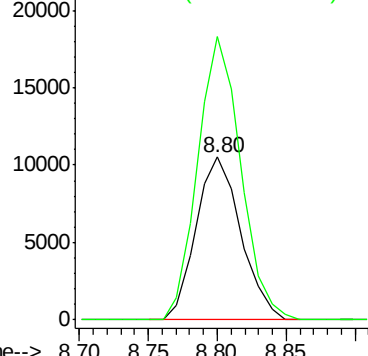
Ion Ratio Lower Upper

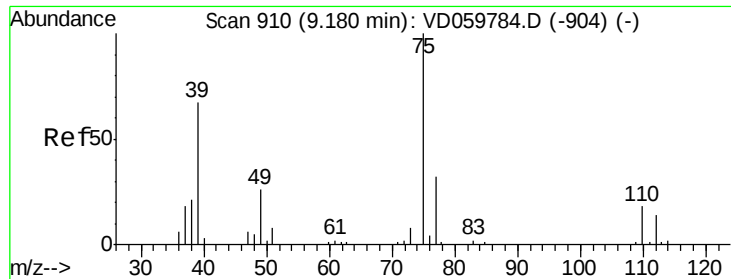
92 100

91 174.1 133.1 199.7



Abundance Ion 92.00 (91.70 to 92.70): VD
Ion 91.00 (90.70 to 91.70): VD

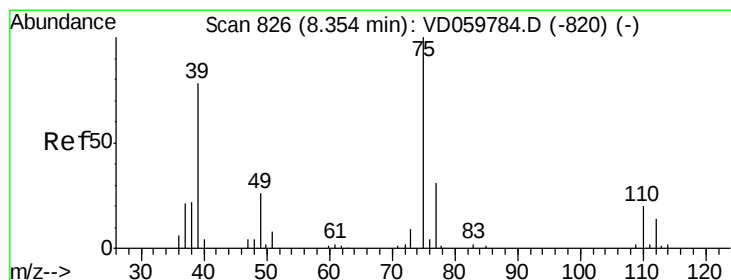
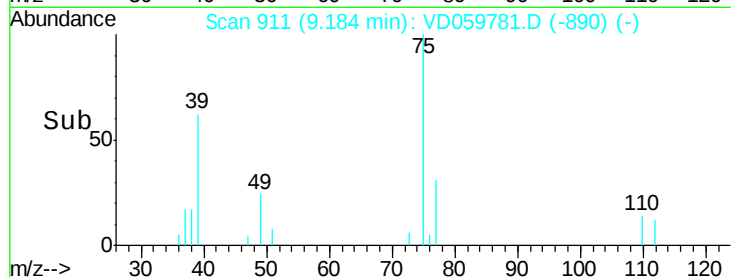
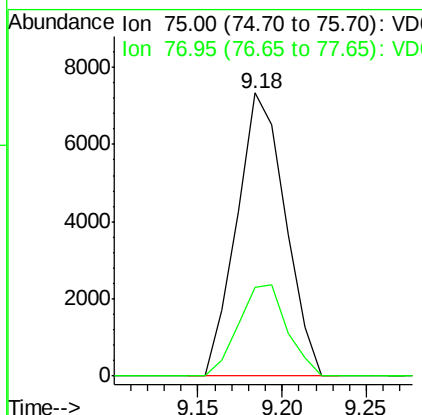
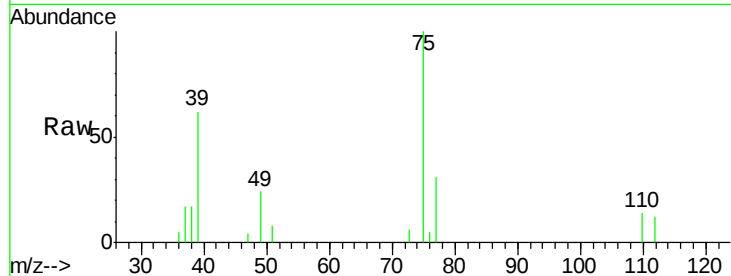




#53
 t-1,3-Dichloropropene
 Concen: 5.15 ug/l
 RT: 9.18 min Scan# 911
 Delta R.T. 0.00 min
 Lab File: VD059781.D
 Acq: 14 Aug 2018 22:58

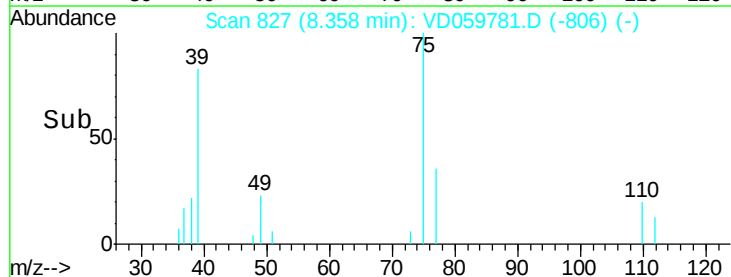
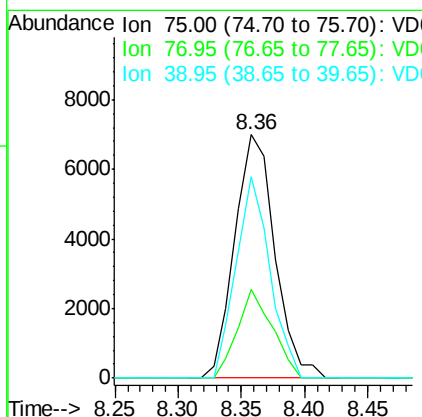
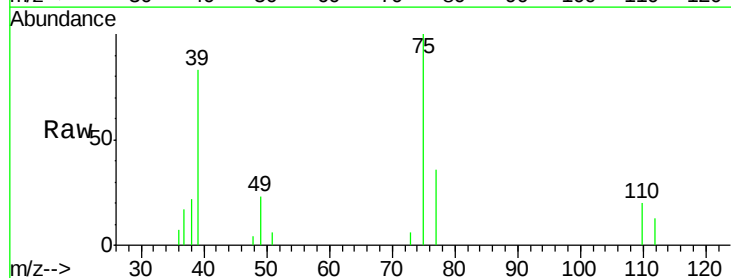
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

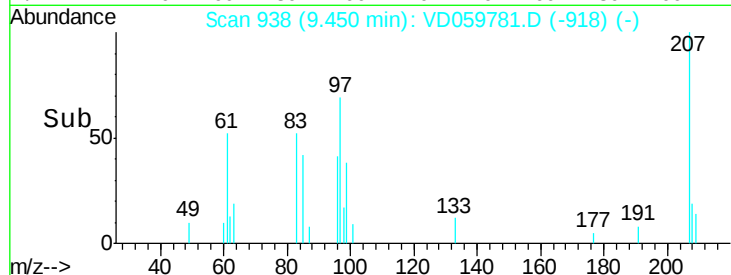
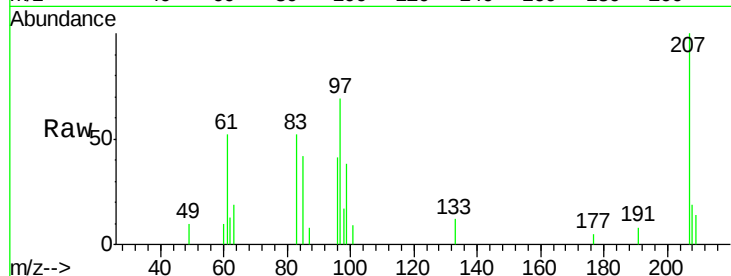
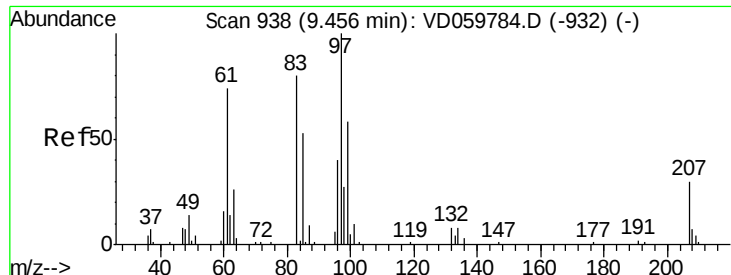
Tot Ion: 75 Resp: 14585
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 4.96 ug/l
 RT: 8.36 min Scan# 827
 Delta R.T. 0.00 min
 Lab File: VD059781.D
 Acq: 14 Aug 2018 22:58

Tgt Ion: 75 Resp: 15411
 Ion Ratio Lower Upper
 75 100
 77 36.3 24.8 37.2
 39 82.6 62.5 93.7

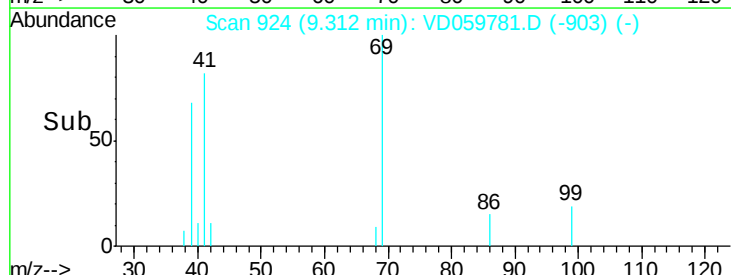
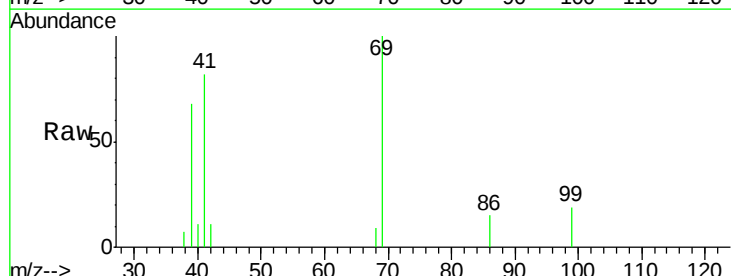
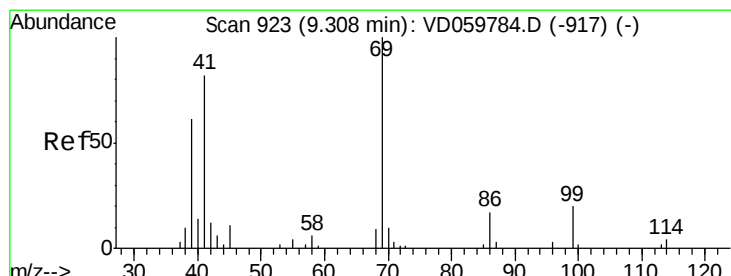
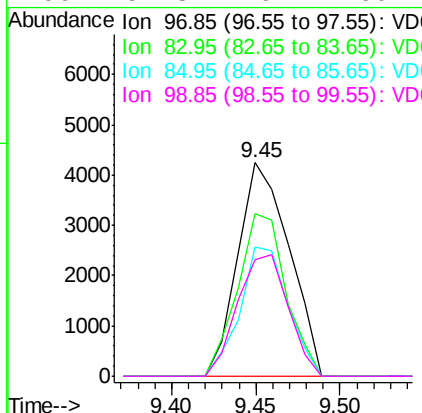




#55
1,1,2-Trichloroethane
Concen: 5.72 ug/l
RT: 9.45 min Scan# 938
Delta R.T. -0.01 min
Lab File: VD059781.D
Acq: 14 Aug 2018 22:58

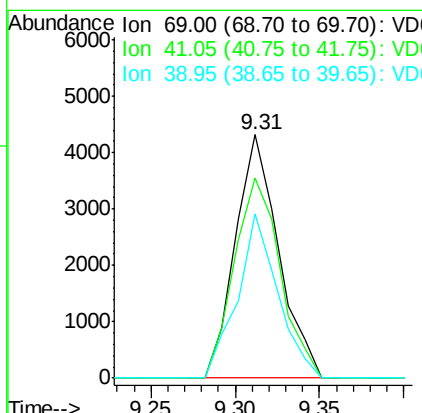
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

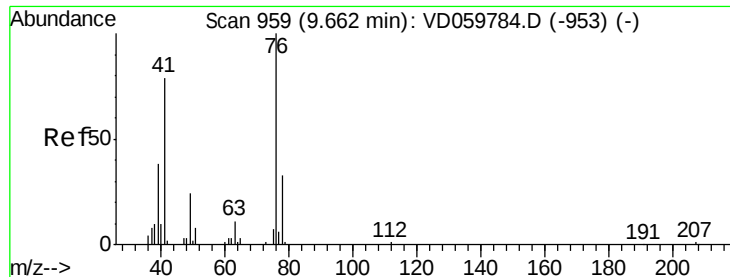
Tot Ion:	97	Resp:	8985
Ion	Ratio	Lower	Upper
97	100		
83	76.0	63.8	95.8
85	60.7	42.5	63.7
99	54.8	46.2	69.4



#56
Ethyl methacrylate
Concen: 4.52 ug/l
RT: 9.31 min Scan# 924
Delta R.T. 0.00 min
Lab File: VD059781.D
Acq: 14 Aug 2018 22:58

Tgt Ion:	69	Resp:	7692
Ion	Ratio	Lower	Upper
69	100		
41	82.0	65.8	98.8
39	67.7	49.7	74.5





#57

1,3-Dichloropropane

Concen: 5.61 ug/l

RT: 9.67 min Scan# 960

Delta R.T. 0.00 min

Lab File: VD059781.D

Acq: 14 Aug 2018 22:58

Instrument :

MSVOA_D

ClientSampleId :

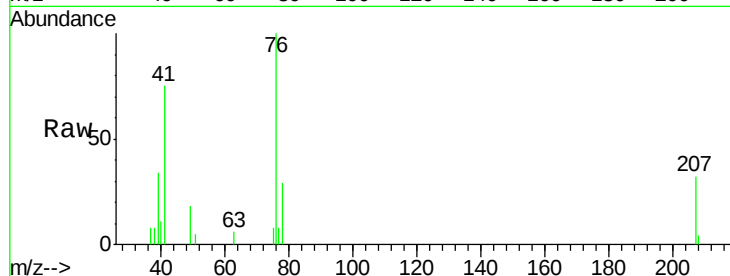
VSTDIC005

Tot Ion: 76 Resp: 13794

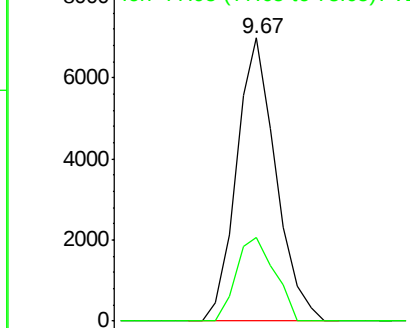
Ion Ratio Lower Upper

76 100

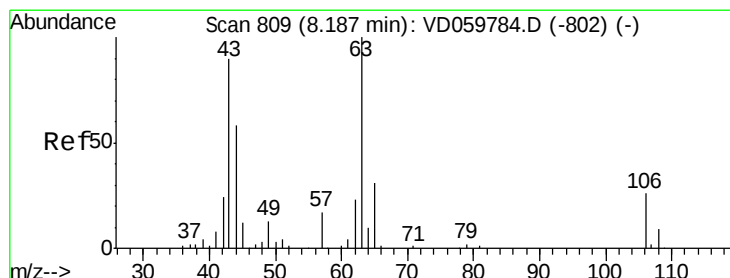
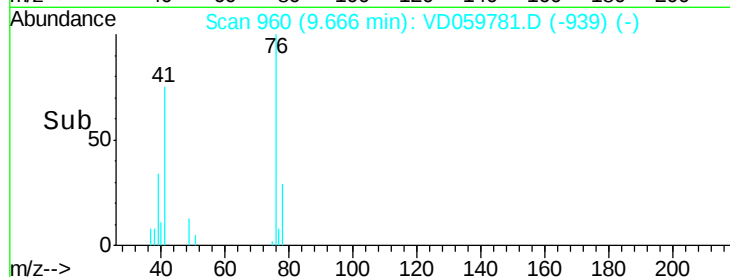
78 29.5 26.4 39.6



Abundance Ion 75.95 (75.65 to 76.65): VD
Ion 77.95 (77.65 to 78.65): VD



Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 27.39 ug/l

RT: 8.18 min Scan# 809

Delta R.T. -0.01 min

Lab File: VD059781.D

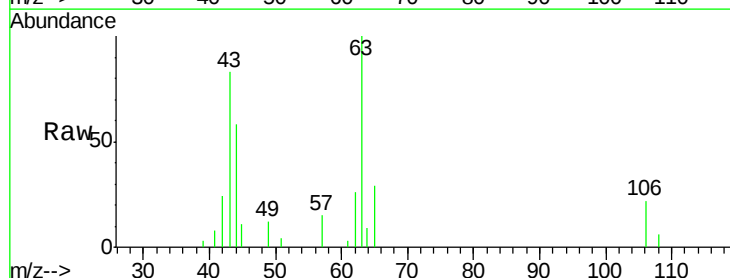
Acq: 14 Aug 2018 22:58

Tgt Ion: 63 Resp: 22735

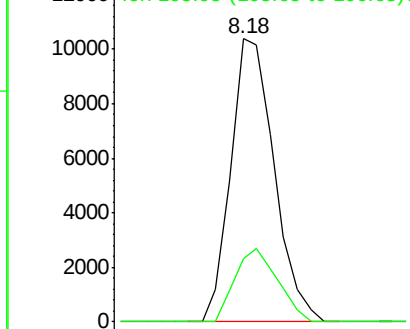
Ion Ratio Lower Upper

63 100

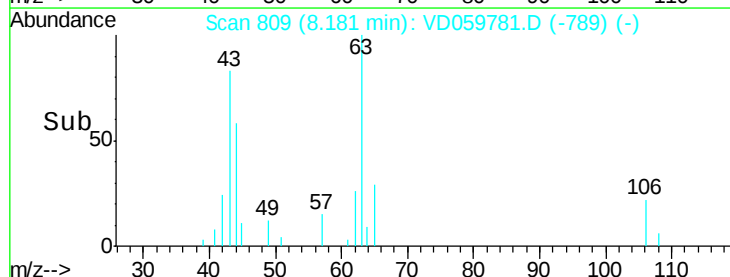
106 22.5 21.1 31.7

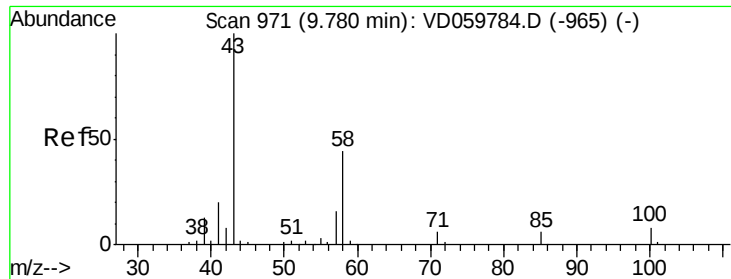


Abundance Ion 62.95 (62.65 to 63.65): VD
Ion 105.95 (105.65 to 106.65):



Time-->

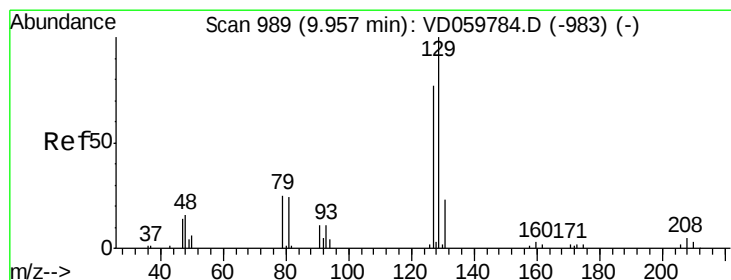
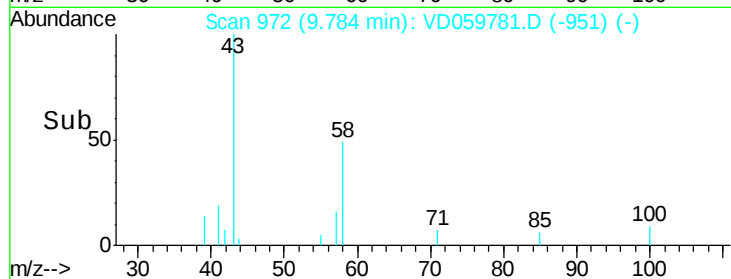
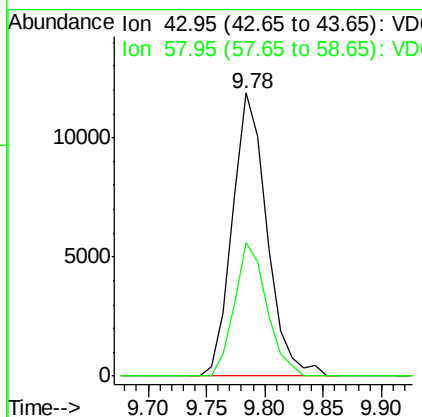
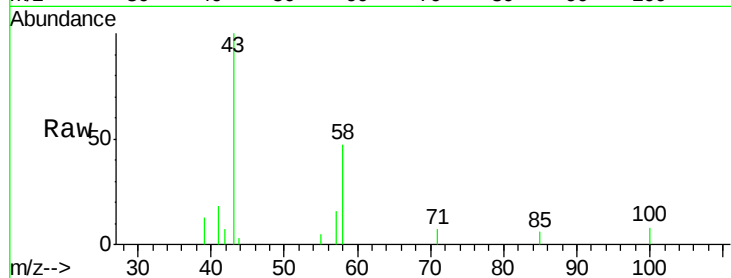




#59
2-Hexanone
Concen: 22.58 ug/l
RT: 9.78 min Scan# 972
Delta R.T. 0.00 min
Lab File: VD059781.D
Acq: 14 Aug 2018 22:58

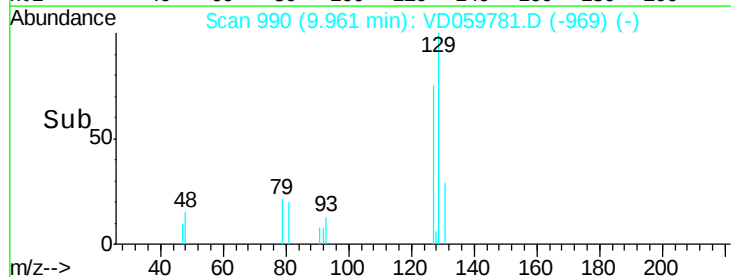
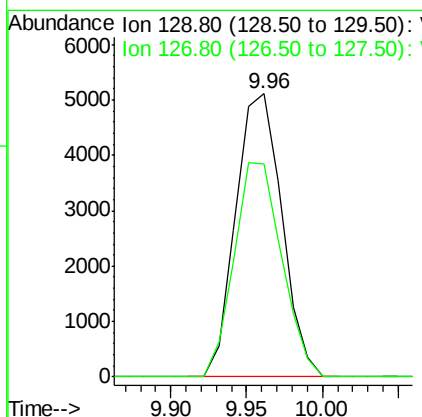
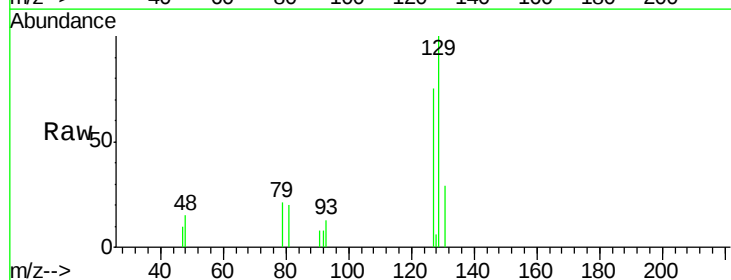
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

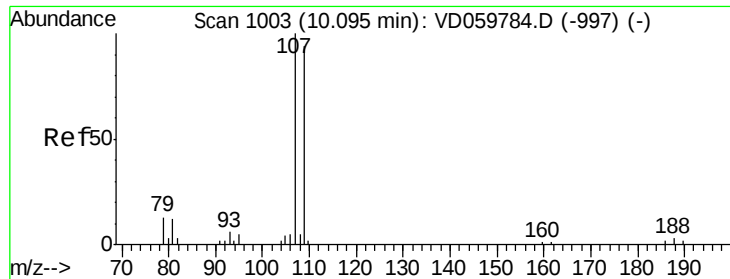
Tot Ion: 43 Resp: 24360
Ion Ratio Lower Upper
43 100
58 47.3 22.3 66.8



#60
Dibromochloromethane
Concen: 4.77 ug/l
RT: 9.96 min Scan# 990
Delta R.T. 0.00 min
Lab File: VD059781.D
Acq: 14 Aug 2018 22:58

Tgt Ion: 129 Resp: 10843
Ion Ratio Lower Upper
129 100
127 75.1 38.4 115.1

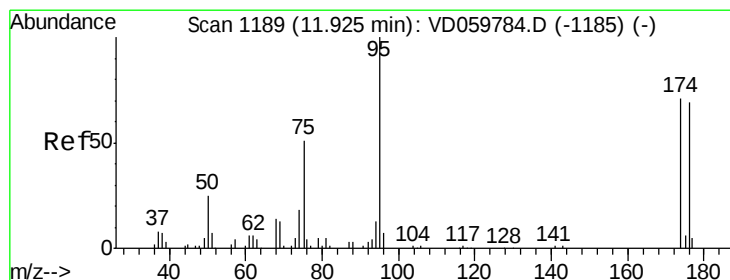
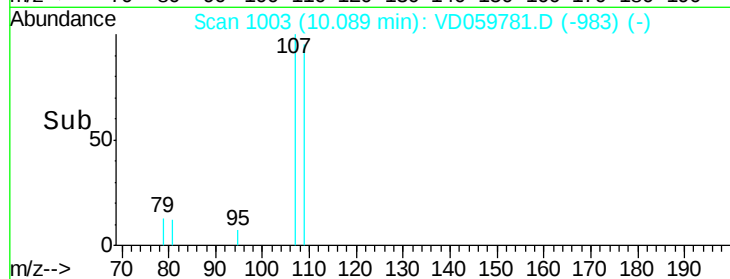
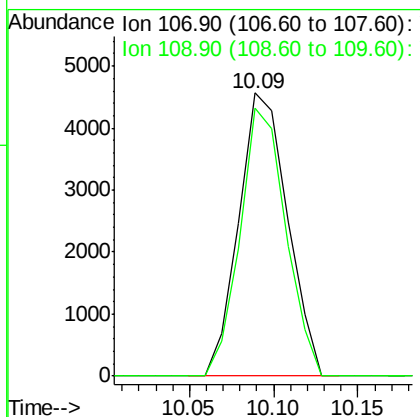
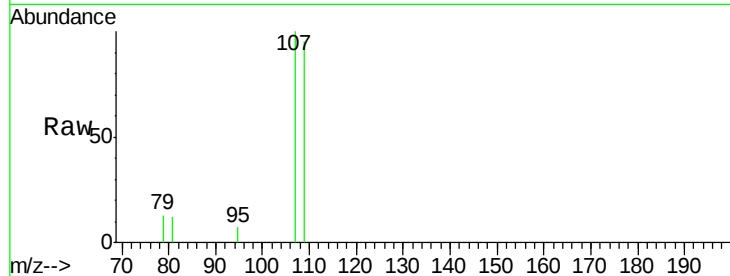




#61
 1,2-Dibromoethane
 Concen: 5.26 ug/l
 RT: 10.09 min Scan# 1003
 Delta R.T. -0.01 min
 Lab File: VD059781.D
 Acq: 14 Aug 2018 22:58

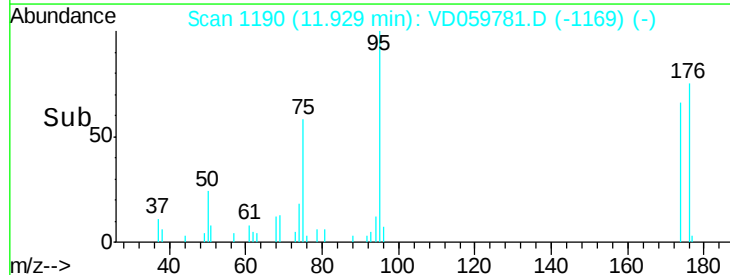
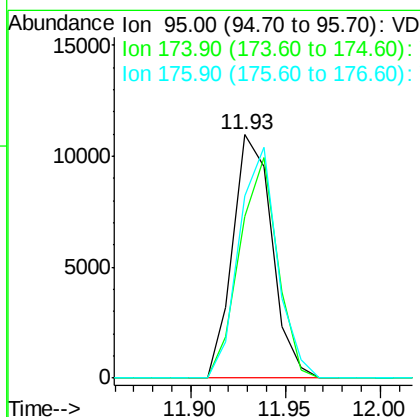
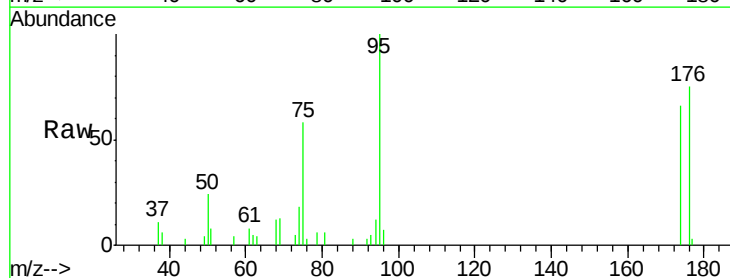
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

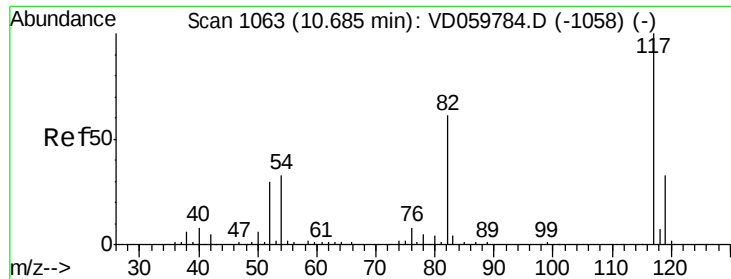
Tot Ion:107 Resp: 9127
 Ion Ratio Lower Upper
 107 100
 109 94.9 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 5.26 ug/l
 RT: 11.93 min Scan# 1190
 Delta R.T. 0.00 min
 Lab File: VD059781.D
 Acq: 14 Aug 2018 22:58

Tgt Ion: 95 Resp: 15626
 Ion Ratio Lower Upper
 95 100
 174 66.3 0.0 142.2
 176 74.9 0.0 137.4

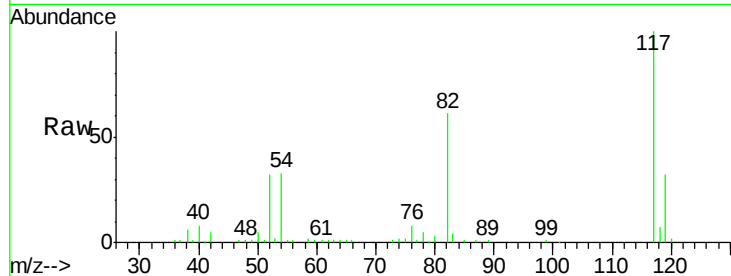




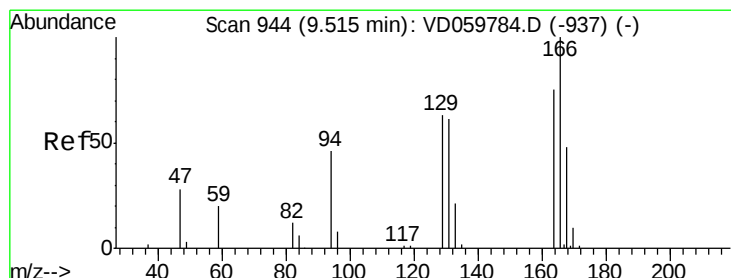
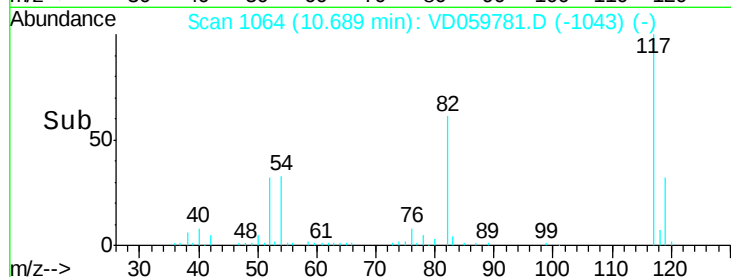
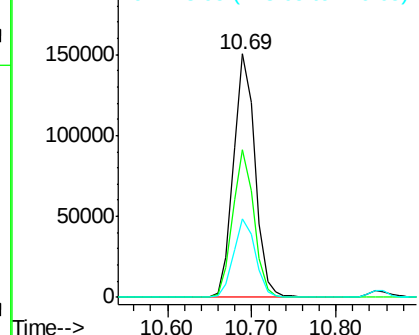
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.69 min Scan# 1064
Delta R.T. 0.00 min
Lab File: VD059781.D
Acq: 14 Aug 2018 22:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:117 Resp: 267344
Ion Ratio Lower Upper
117 100
82 60.6 49.0 73.6
119 32.0 26.2 39.2



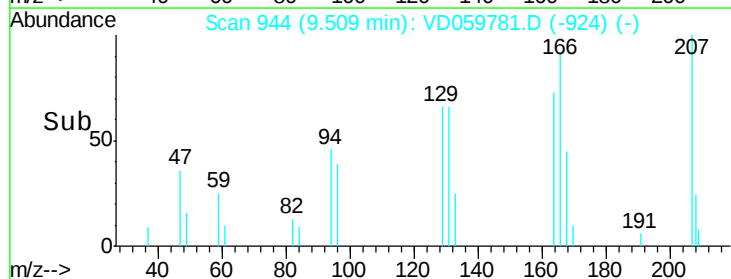
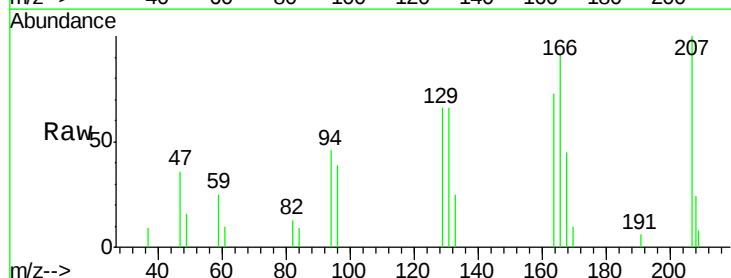
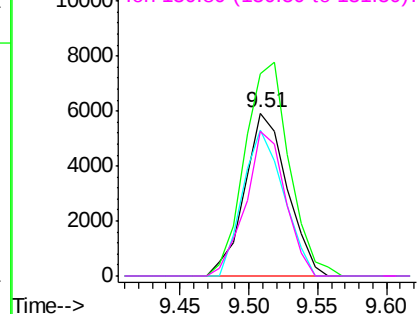
Abundance Ion 116.95 (116.65 to 117.65):
Ion 82.05 (81.75 to 82.75): VD
Ion 118.95 (118.65 to 119.65):

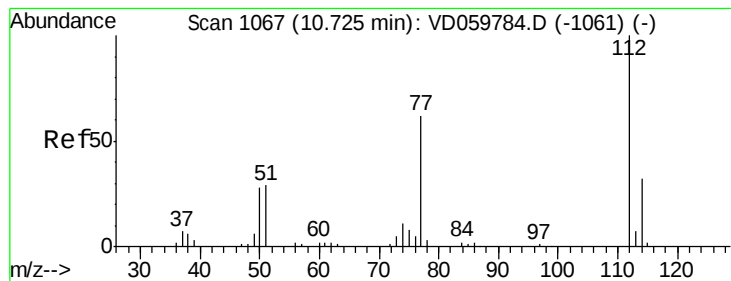


#64
Tetrachloroethene
Concen: 5.53 ug/l
RT: 9.51 min Scan# 944
Delta R.T. -0.01 min
Lab File: VD059781.D
Acq: 14 Aug 2018 22:58

Tgt Ion:164 Resp: 12713
Ion Ratio Lower Upper
164 100
166 124.3 106.8 160.2
129 89.5 67.2 100.8
131 89.2 64.7 97.1

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





#65

Chlorobenzene

Concen: 5.50 ug/l

RT: 10.73 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VD059781.D

Acq: 14 Aug 2018 22:58

Instrument :

MSVOA_D

ClientSampleId :

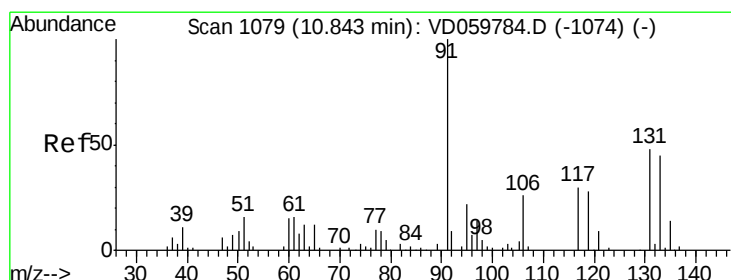
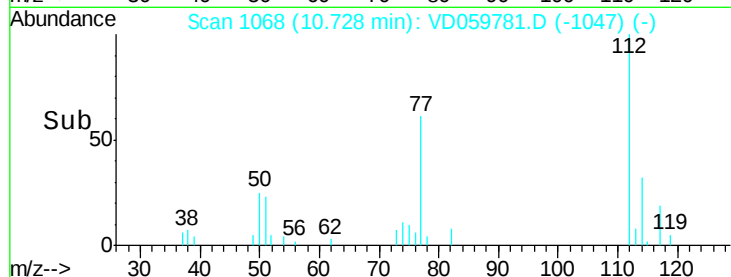
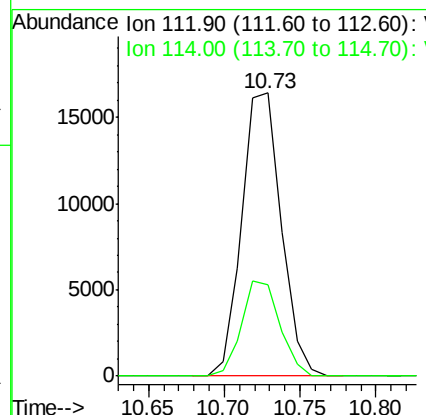
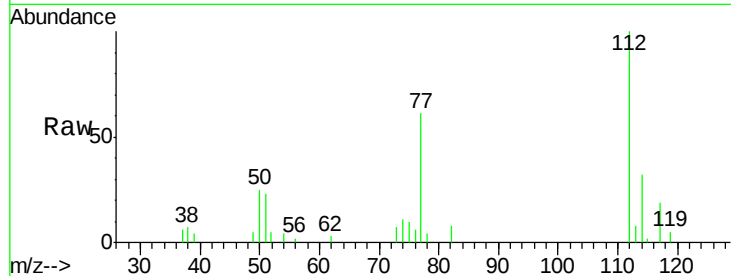
VSTDIC005

Tot Ion:112 Resp: 29744

Ion Ratio Lower Upper

112 100

114 32.2 25.8 38.6



#66

1,1,1,2-Tetrachloroethane

Concen: 5.02 ug/l

RT: 10.85 min Scan# 1080

Delta R.T. 0.00 min

Lab File: VD059781.D

Acq: 14 Aug 2018 22:58

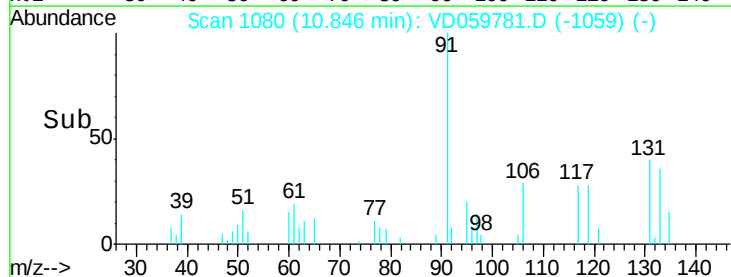
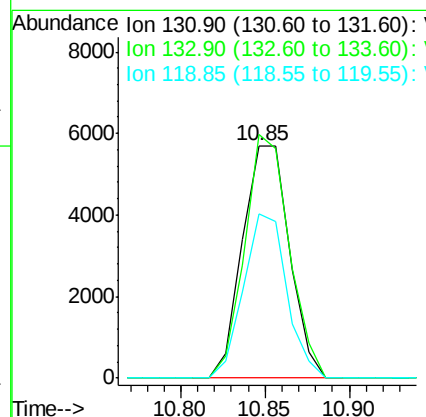
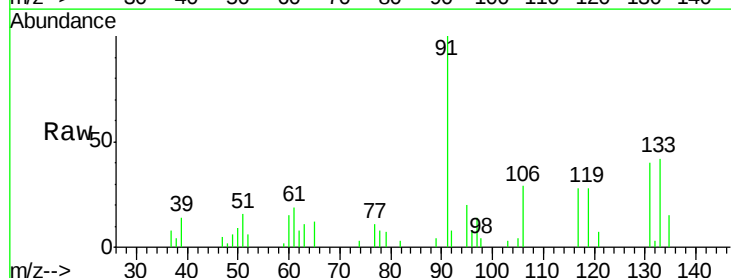
Tgt Ion:131 Resp: 11041

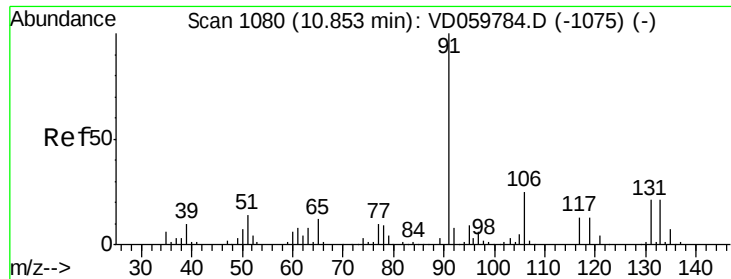
Ion Ratio Lower Upper

131 100

133 104.7 47.0 141.0

119 70.6 29.0 87.1

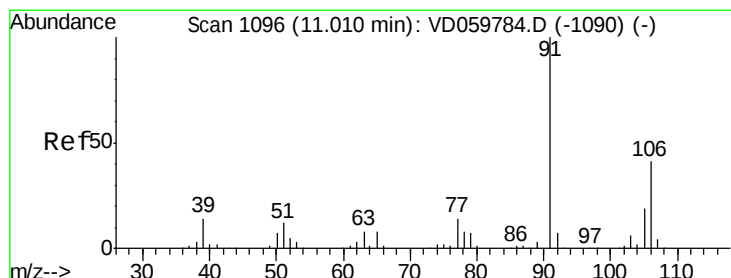
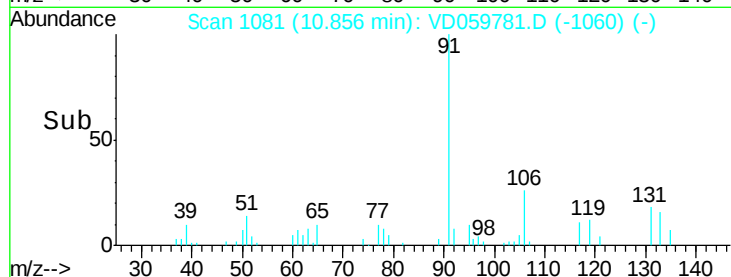
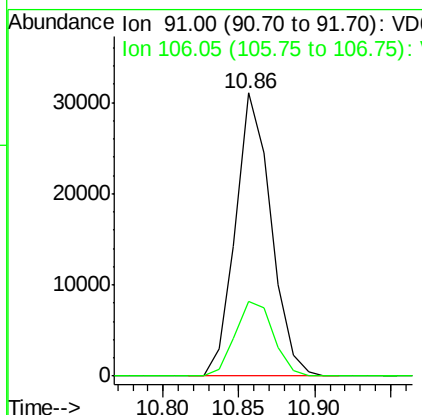
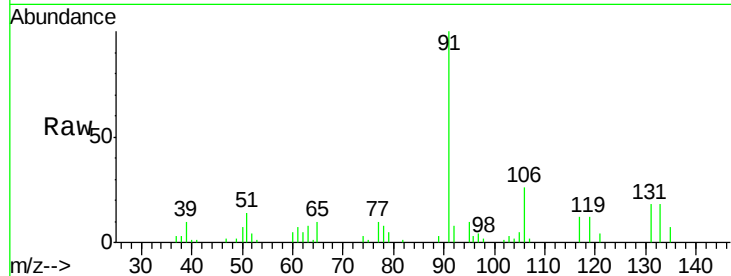




#67
Ethyl Benzene
Concen: 5.34 ug/l
RT: 10.86 min Scan# 1081
Delta R.T. 0.00 min
Lab File: VD059781.D
Acq: 14 Aug 2018 22:58

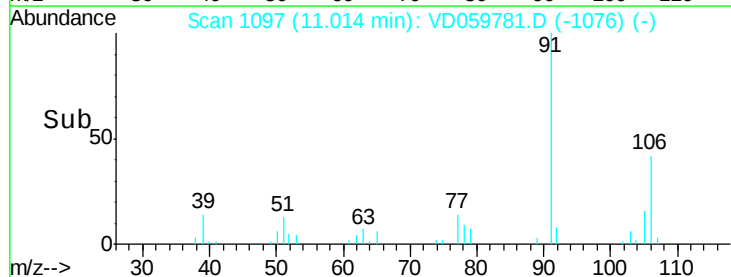
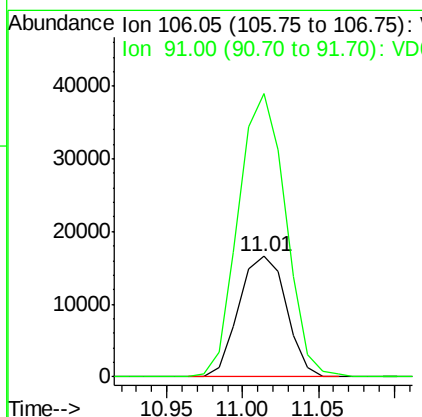
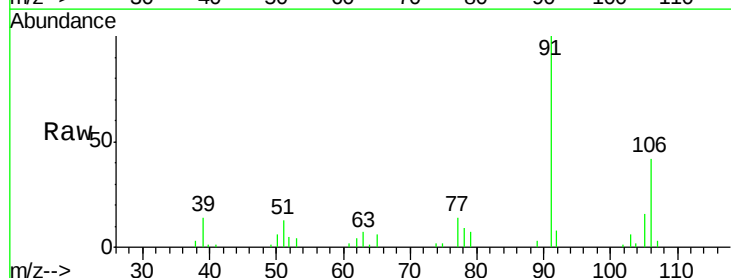
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

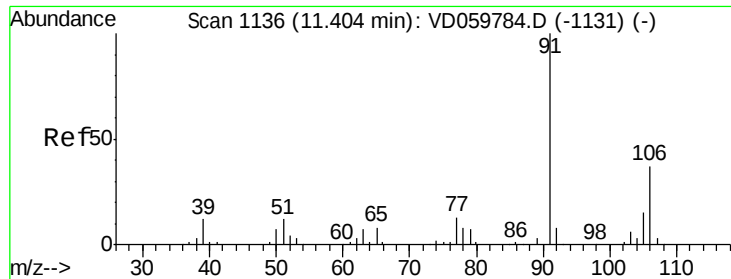
Tot Ion: 91 Resp: 50547
Ion Ratio Lower Upper
91 100
106 26.4 20.1 30.1



#68
m/p-Xylenes
Concen: 11.53 ug/l
RT: 11.01 min Scan# 1097
Delta R.T. 0.00 min
Lab File: VD059781.D
Acq: 14 Aug 2018 22:58

Tgt Ion: 106 Resp: 36146
Ion Ratio Lower Upper
106 100
91 235.3 197.4 296.0

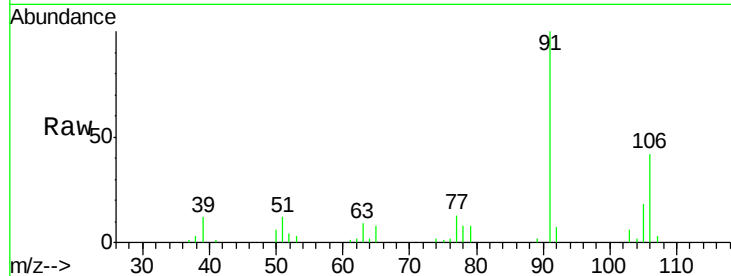




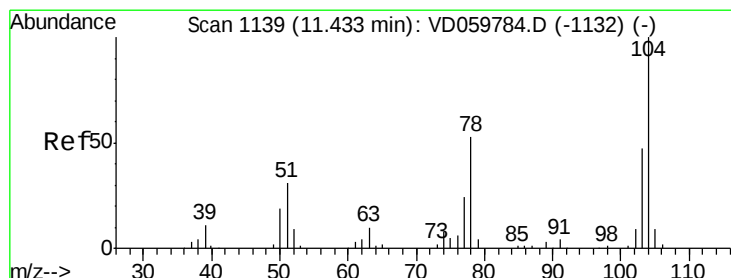
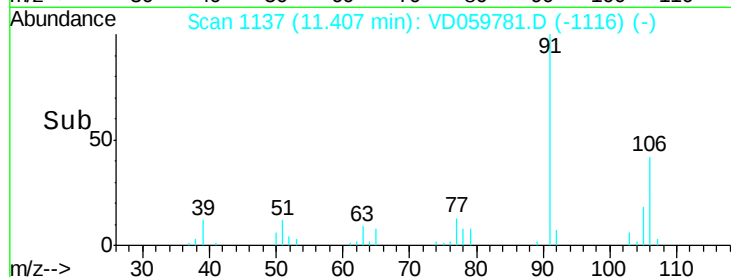
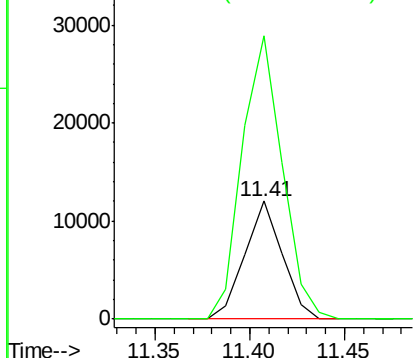
#69
o-Xylene
Concen: 5.48 ug/l
RT: 11.41 min Scan# 1137
Delta R.T. 0.00 min
Lab File: VD059781.D
Acq: 14 Aug 2018 22:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 16608
Ion Ratio Lower Upper
106 100
91 239.7 133.7 401.1

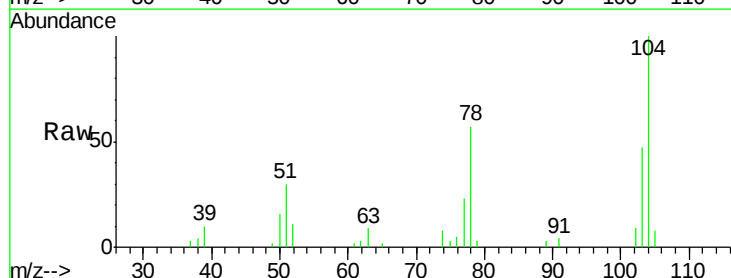


Abundance Ion 106.05 (105.75 to 106.75):
Ion 91.00 (90.70 to 91.70): VD

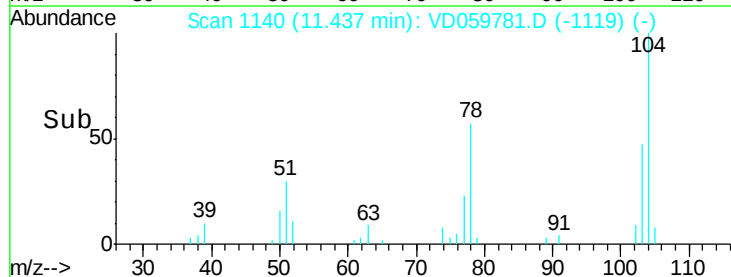
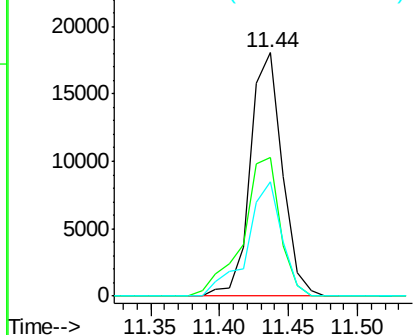


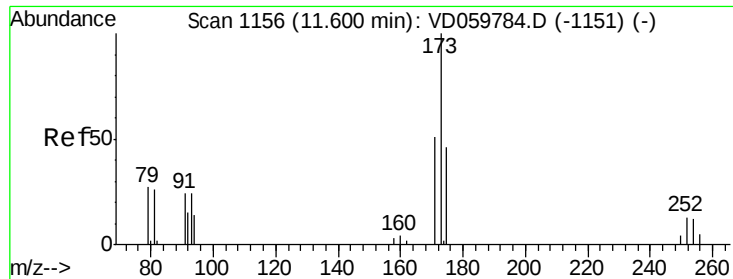
#70
Styrene
Concen: 5.54 ug/l
RT: 11.44 min Scan# 1140
Delta R.T. 0.00 min
Lab File: VD059781.D
Acq: 14 Aug 2018 22:58

Tgt Ion:104 Resp: 29296
Ion Ratio Lower Upper
104 100
78 57.1 42.6 64.0
103 47.2 37.8 56.6



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





#71

Bromoform

Concen: 4.21 ug/l

RT: 11.60 min Scan# 1157

Delta R.T. 0.00 min

Lab File: VD059781.D

Acq: 14 Aug 2018 22:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

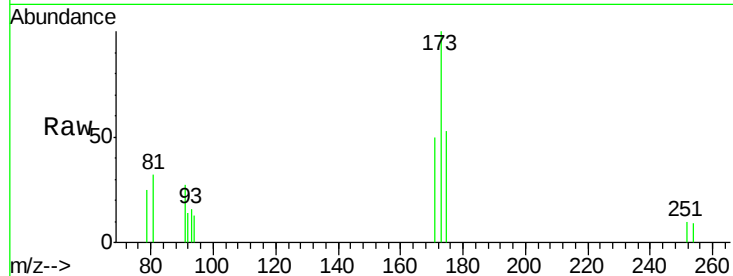
Tot Ion:173 Resp: 6661

Ion Ratio Lower Upper

173 100

175 53.4 23.1 69.2

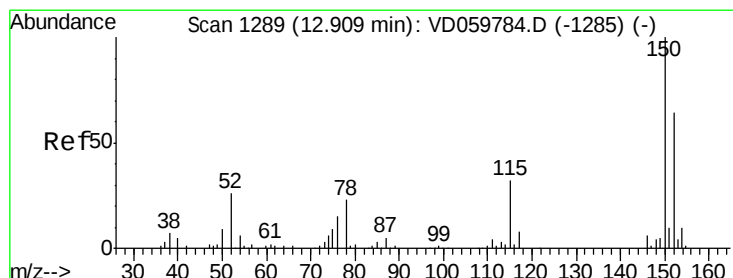
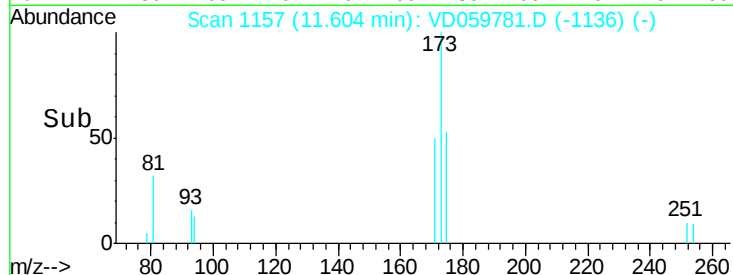
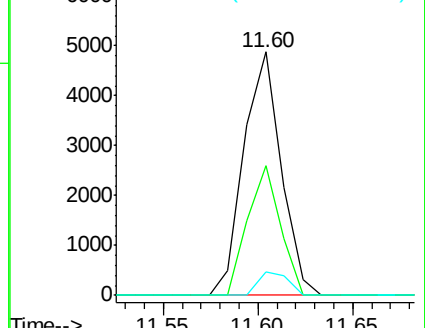
254 9.4 9.7 14.5#



Abundance Ion 172.80 (172.50 to 173.50):

Ion 174.80 (174.50 to 175.50):

Ion 253.70 (253.40 to 254.40):



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.91 min Scan# 1290

Delta R.T. 0.00 min

Lab File: VD059781.D

Acq: 14 Aug 2018 22:58

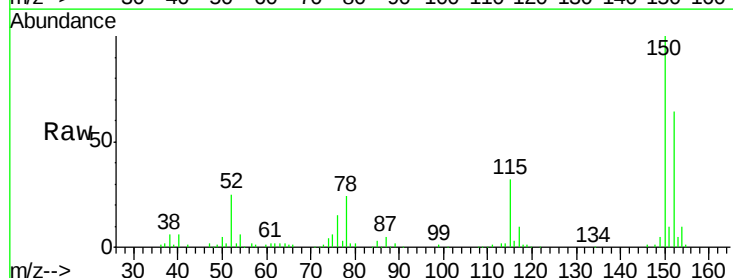
Tgt Ion:152 Resp: 149622

Ion Ratio Lower Upper

152 100

115 51.0 27.2 81.5

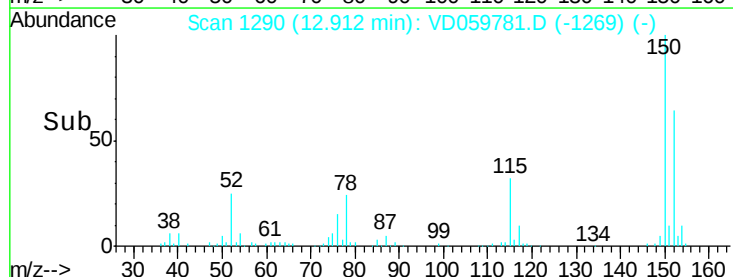
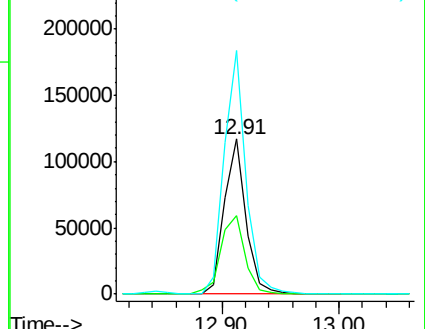
150 157.1 0.0 312.4

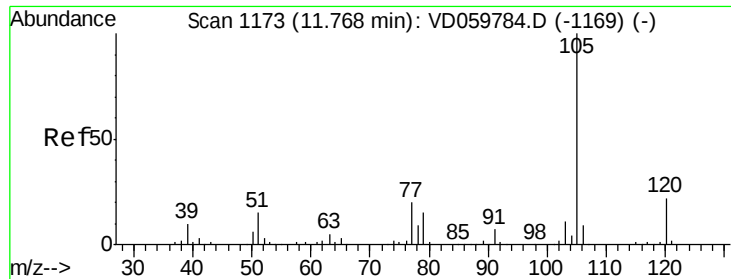


Abundance Ion 151.90 (151.60 to 152.60):

Ion 115.00 (114.70 to 115.70):

Ion 149.90 (149.60 to 150.60):





#73

Isopropylbenzene

Concen: 5.81 ug/l

RT: 11.77 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VD059781.D

Acq: 14 Aug 2018 22:58

Instrument :

MSVOA_D

ClientSampleId :

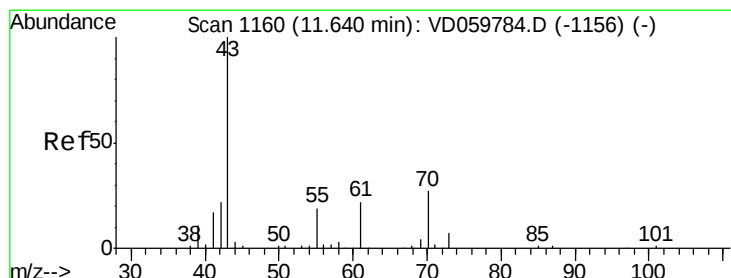
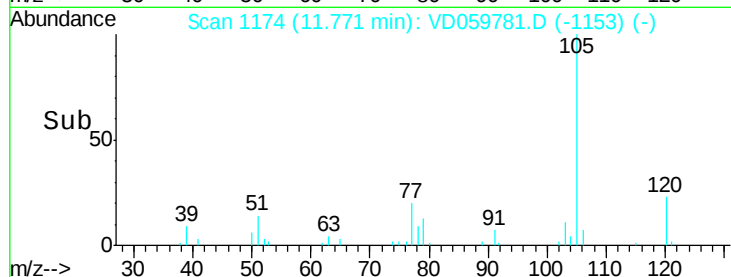
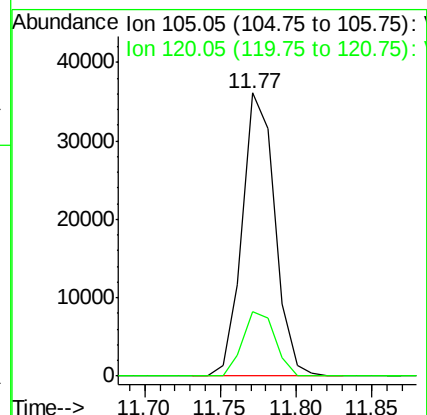
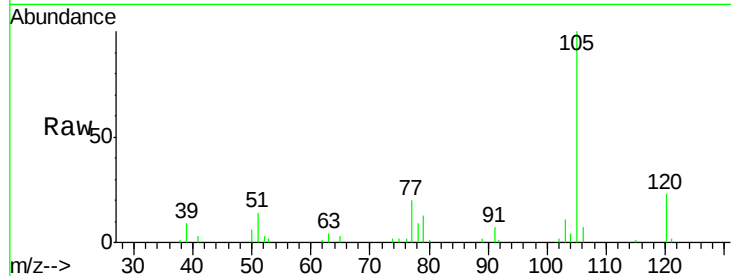
VSTDIC005

Tot Ion:105 Resp: 54151

Ion Ratio Lower Upper

105 100

120 22.6 10.9 32.6



#74

N-ethyl acetate

Concen: 4.38 ug/l

RT: 11.64 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VD059781.D

Acq: 14 Aug 2018 22:58

Tgt Ion: 43 Resp: 12740

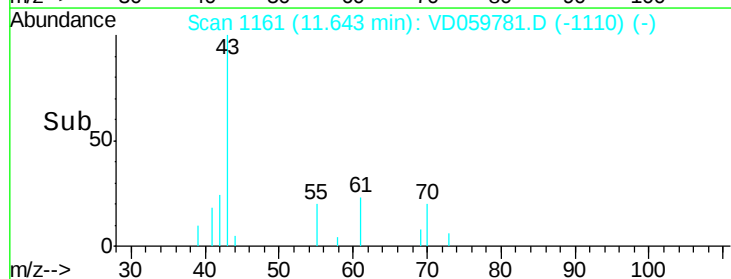
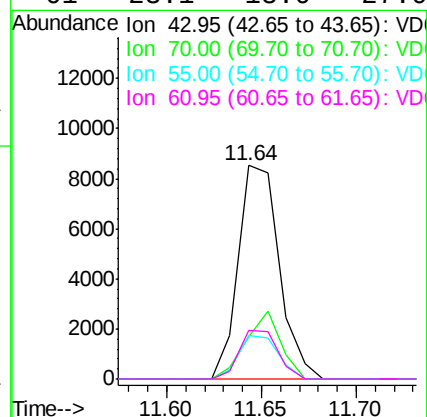
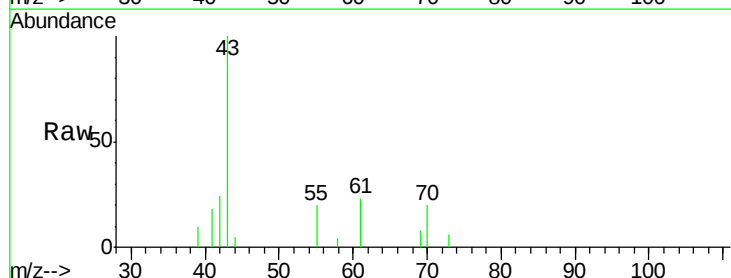
Ion Ratio Lower Upper

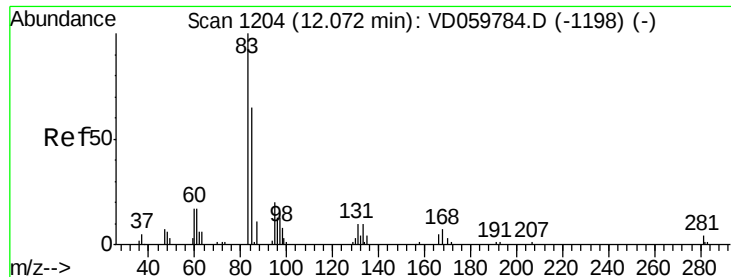
43 100

70 20.0 21.8 32.6#

55 20.3 15.1 22.7

61 23.1 18.0 27.0





#75

1,1,2,2-Tetrachloroethane

Concen: 5.06 ug/l

RT: 12.08 min Scan# 1205

Delta R.T. 0.00 min

Lab File: VD059781.D

Acq: 14 Aug 2018 22:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

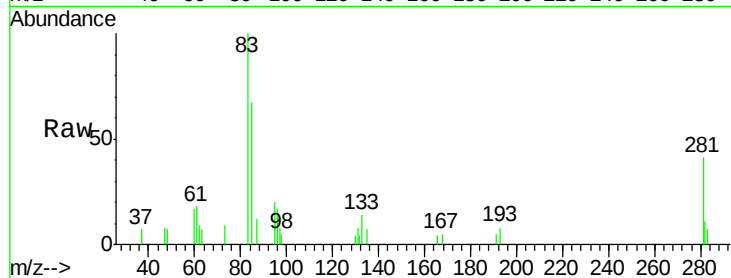
Tot Ion: 83 Resp: 9712

Ion Ratio Lower Upper

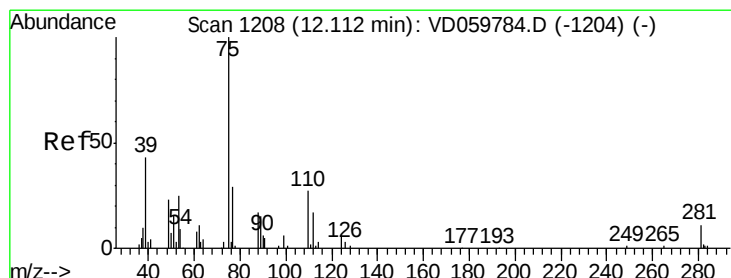
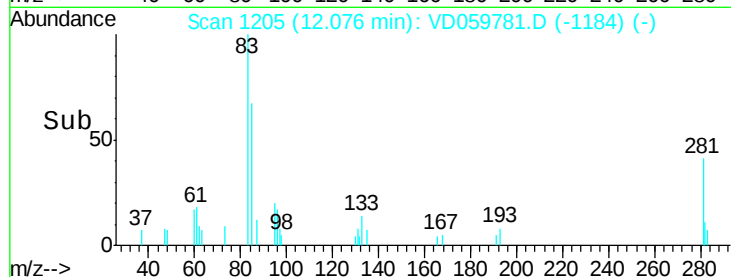
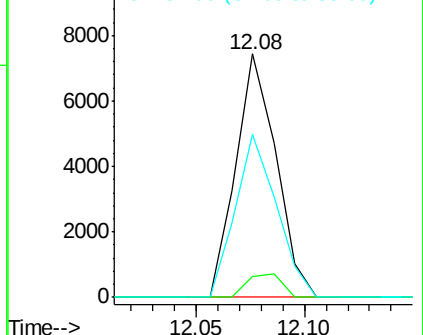
83 100

131 8.5 5.0 15.0

85 67.2 32.8 98.3



Abundance Ion 82.95 (82.65 to 83.65): VD
Ion 130.90 (130.60 to 131.60): VD
Ion 84.95 (84.65 to 85.65): VD



#76

1,2,3-Trichloropropane

Concen: 5.32 ug/l

RT: 12.12 min Scan# 1209

Delta R.T. 0.00 min

Lab File: VD059781.D

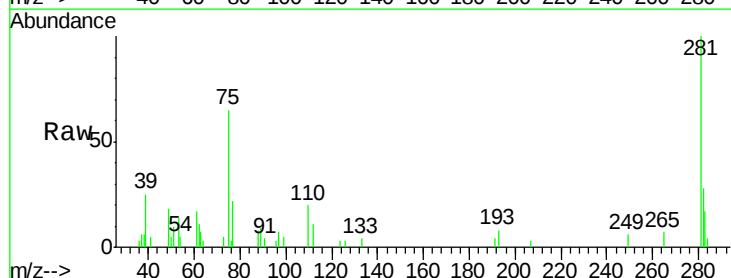
Acq: 14 Aug 2018 22:58

Tgt Ion: 75 Resp: 11345

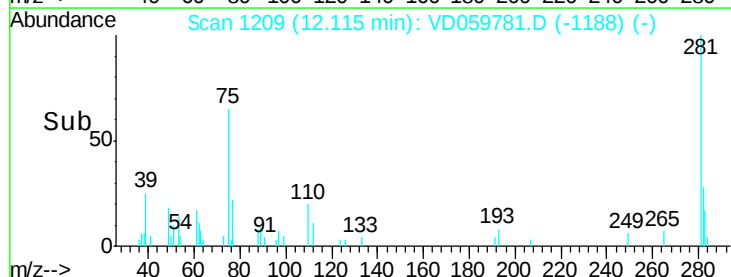
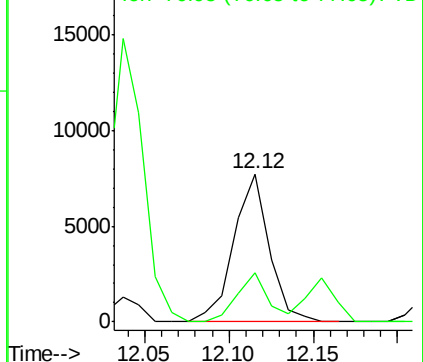
Ion Ratio Lower Upper

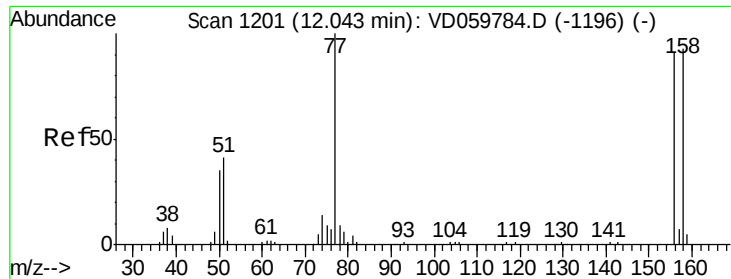
75 100

77 33.6 16.2 48.6



Abundance Ion 75.00 (74.70 to 75.70): VD
Ion 76.95 (76.65 to 77.65): VD





#77

Bromobenzene

Concen: 5.51 ug/l

RT: 12.05 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VD059781.D

Acq: 14 Aug 2018 22:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

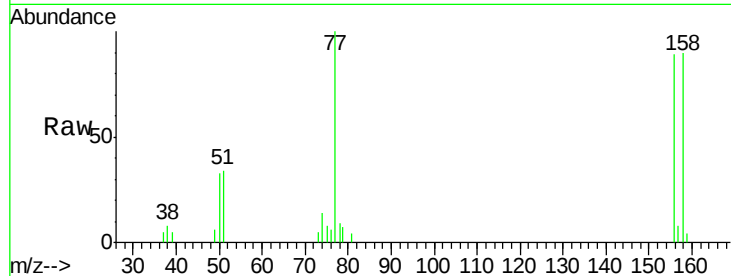
Tot Ion:156 Resp: 14876

Ion Ratio Lower Upper

156 100

77 111.9 54.9 164.8

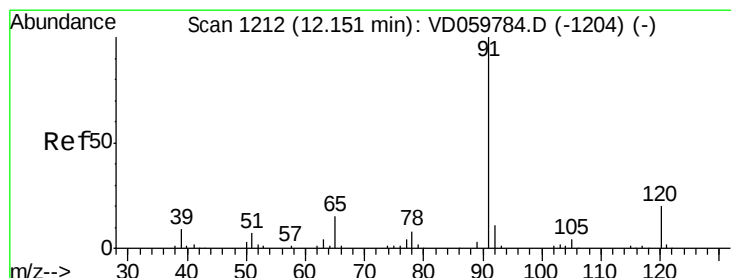
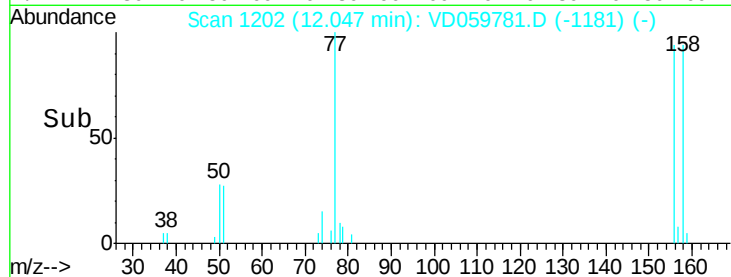
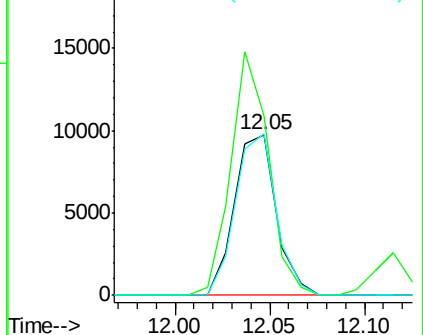
158 100.6 51.2 153.6



Abundance Ion 155.90 (155.60 to 156.60):

Ion 76.95 (76.65 to 77.65): VD

Ion 157.85 (157.55 to 158.55):



#78

n-propylbenzene

Concen: 5.60 ug/l

RT: 12.15 min Scan# 1213

Delta R.T. 0.00 min

Lab File: VD059781.D

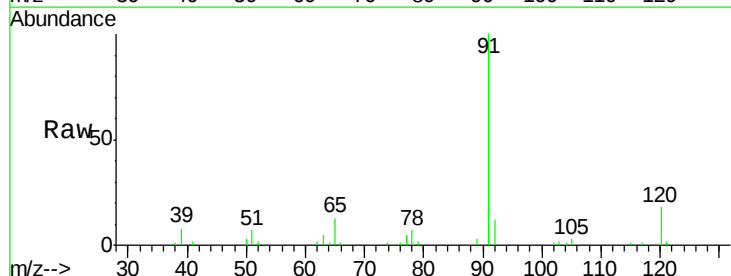
Acq: 14 Aug 2018 22:58

Tgt Ion: 91 Resp: 66088

Ion Ratio Lower Upper

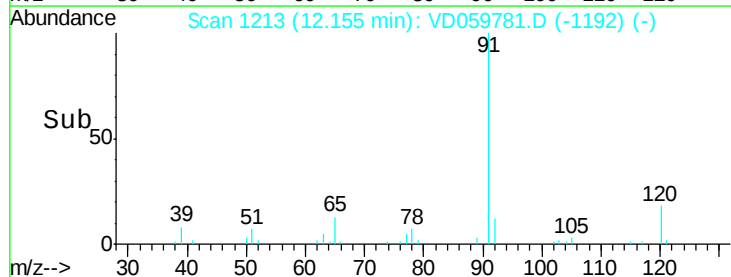
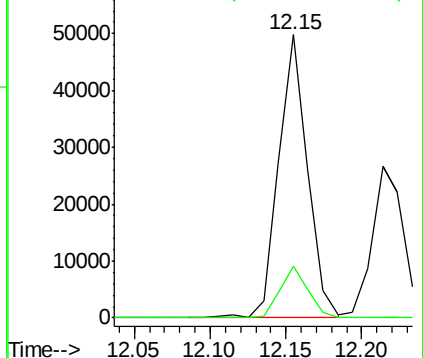
91 100

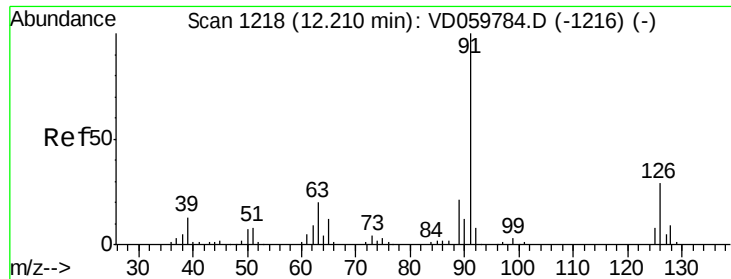
120 18.1 9.8 29.4



Abundance Ion 91.00 (90.70 to 91.70): VD

Ion 120.05 (119.75 to 120.75):

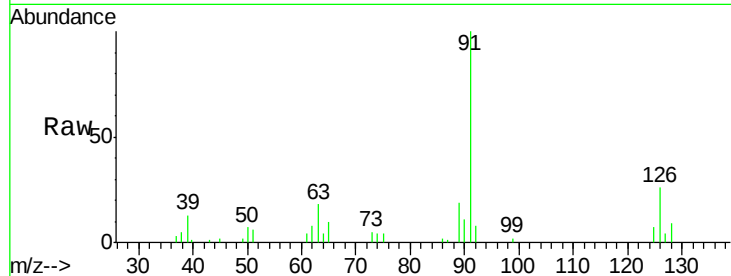




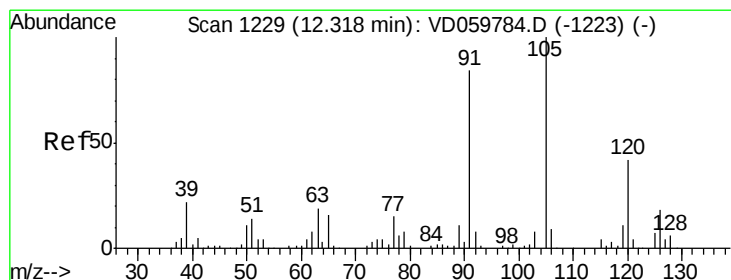
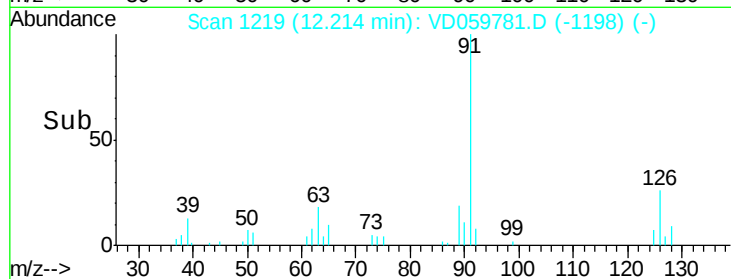
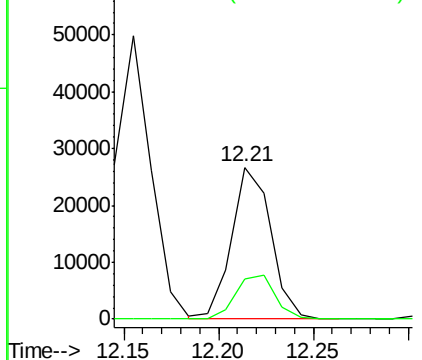
#79
 2-Chlorotoluene
 Concen: 5.35 ug/l
 RT: 12.21 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VD059781.D
 Acq: 14 Aug 2018 22:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion: 91 Resp: 38233
 Ion Ratio Lower Upper
 91 100
 126 26.3 14.0 41.9

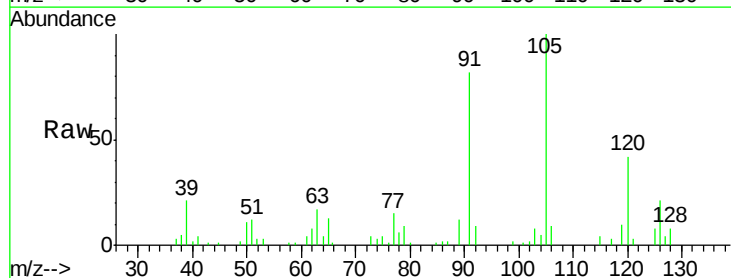


Abundance Ion 91.00 (90.70 to 91.70): VD
 Ion 125.95 (125.65 to 126.65):

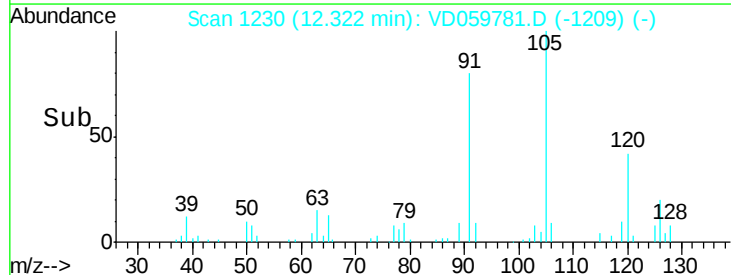
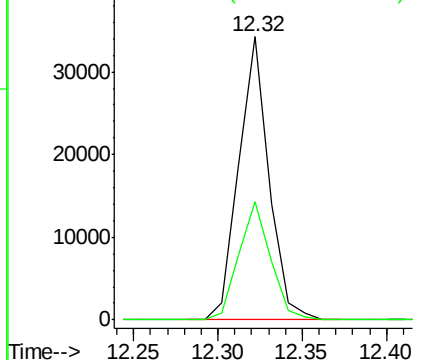


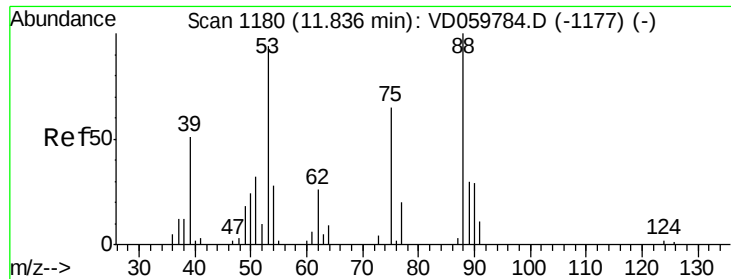
#80
 1,3,5-Trimethylbenzene
 Concen: 5.66 ug/l
 RT: 12.32 min Scan# 1230
 Delta R.T. 0.00 min
 Lab File: VD059781.D
 Acq: 14 Aug 2018 22:58

Tgt Ion: 105 Resp: 42457
 Ion Ratio Lower Upper
 105 100
 120 42.0 20.8 62.5



Abundance Ion 105.05 (104.75 to 105.75):
 Ion 120.05 (119.75 to 120.75):





#81

trans-1,4-Dichloro-2-butene

Concen: 3.98 ug/l

RT: 11.84 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD059781.D

Acq: 14 Aug 2018 22:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

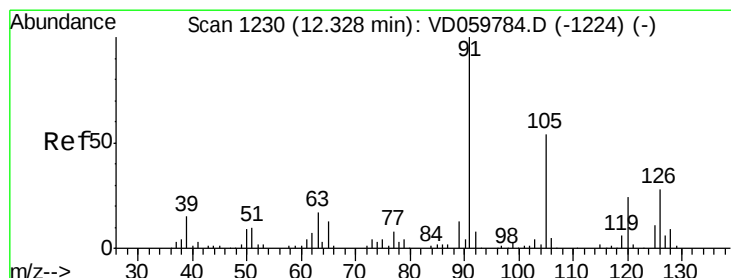
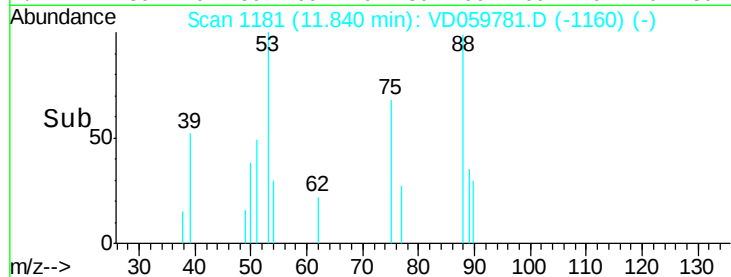
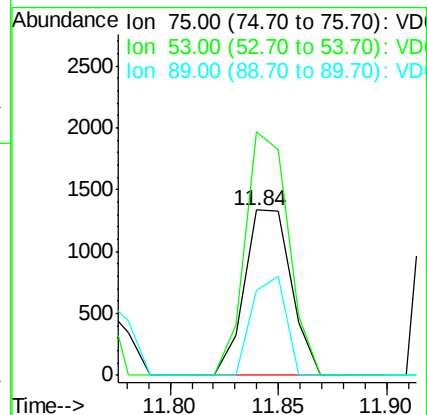
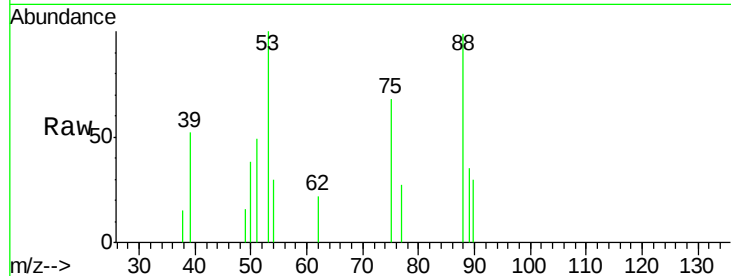
Tot Ion: 75 Resp: 2015

Ion Ratio Lower Upper

75 100

53 147.2 116.2 174.2

89 51.3 37.0 55.6



#82

4-Chlorotoluene

Concen: 5.58 ug/l

RT: 12.33 min Scan# 1231

Delta R.T. 0.00 min

Lab File: VD059781.D

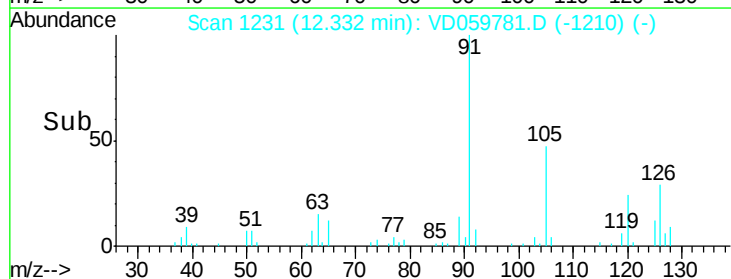
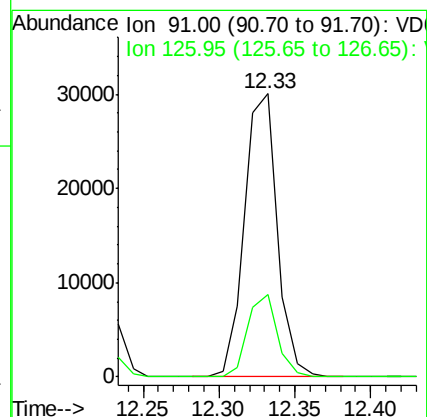
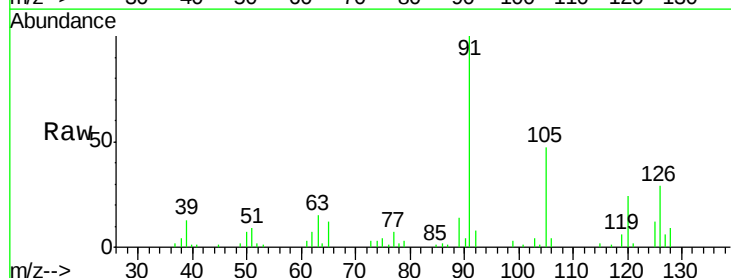
Acq: 14 Aug 2018 22:58

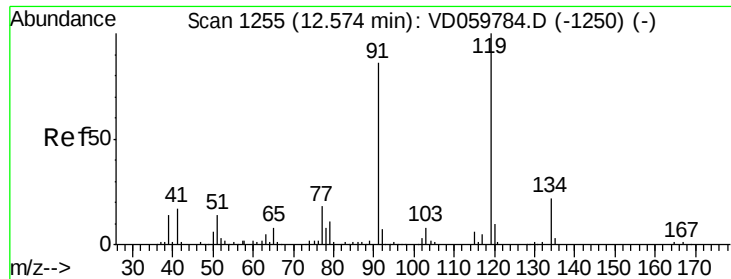
Tgt Ion: 91 Resp: 45111

Ion Ratio Lower Upper

91 100

126 29.2 13.9 41.7

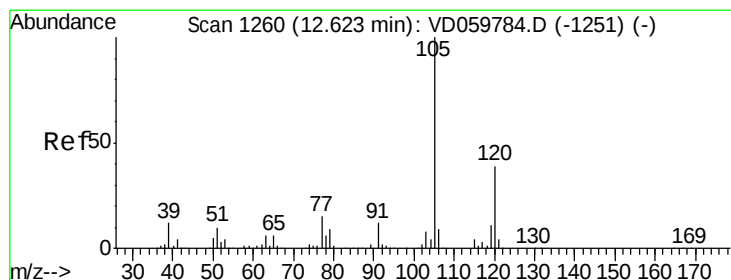
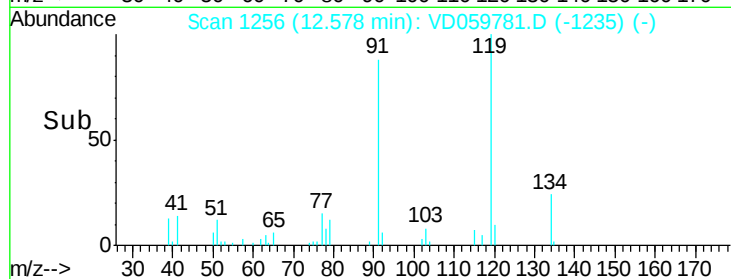
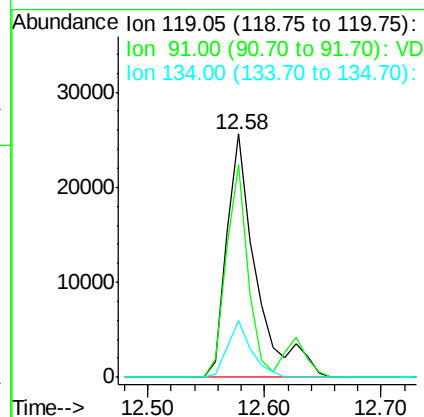
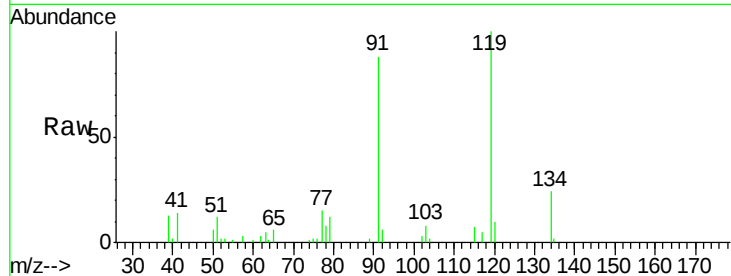




#83
tert-Butylbenzene
Concen: 5.32 ug/l
RT: 12.58 min Scan# 1256
Delta R.T. 0.00 min
Lab File: VD059781.D
Acq: 14 Aug 2018 22:58

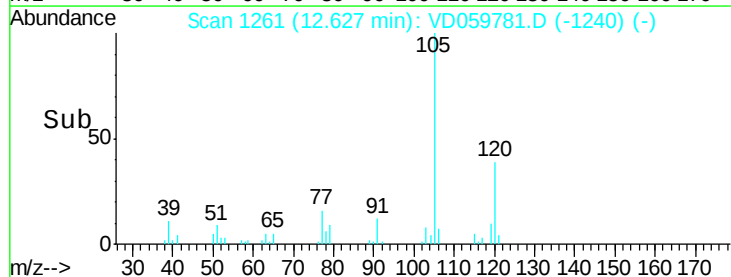
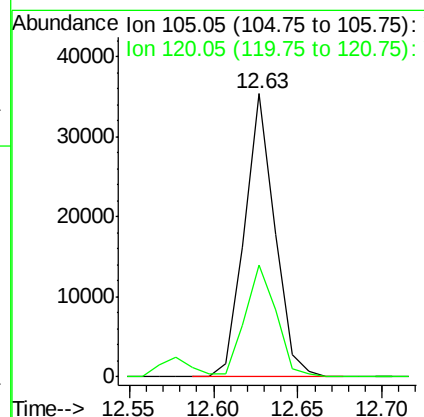
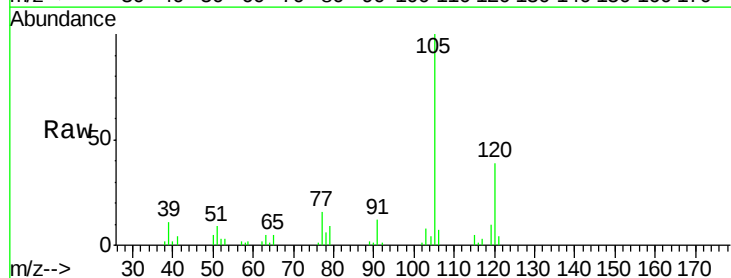
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

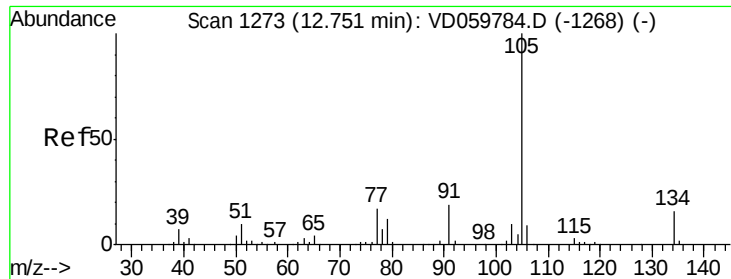
Tot Ion:119 Resp: 44651
Ion Ratio Lower Upper
119 100
91 87.6 43.1 129.3
134 23.6 11.2 33.5



#84
1,2,4-Trimethylbenzene
Concen: 5.43 ug/l
RT: 12.63 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VD059781.D
Acq: 14 Aug 2018 22:58

Tgt Ion:105 Resp: 43930
Ion Ratio Lower Upper
105 100
120 39.4 19.6 58.8

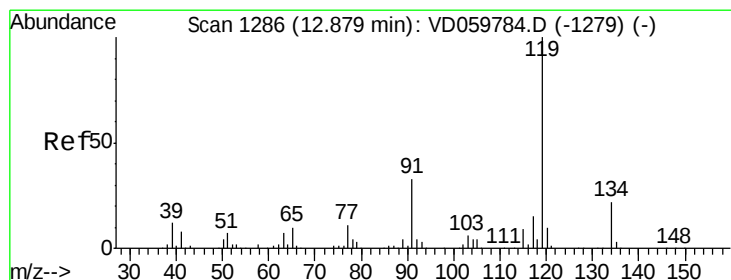
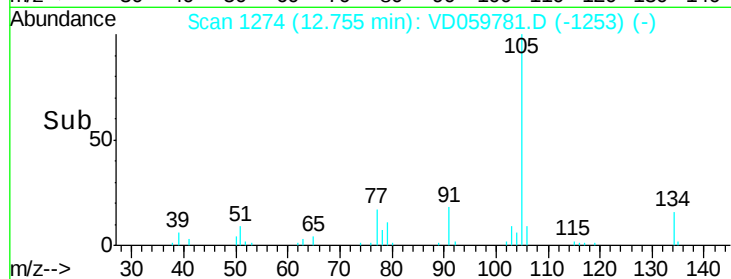
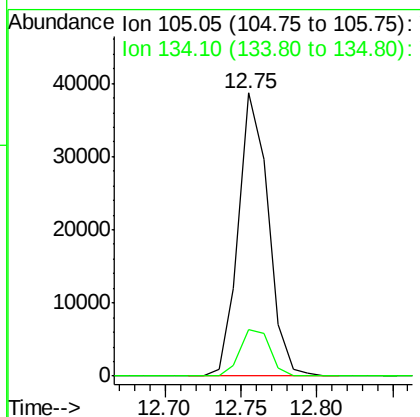
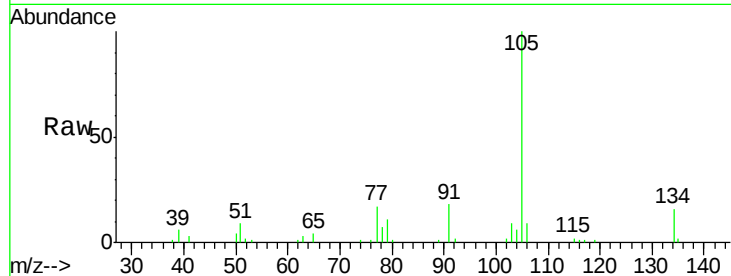




#85
 sec-Butylbenzene
 Concen: 5.46 ug/l
 RT: 12.75 min Scan# 1274
 Delta R.T. 0.00 min
 Lab File: VD059781.D
 Acq: 14 Aug 2018 22:58

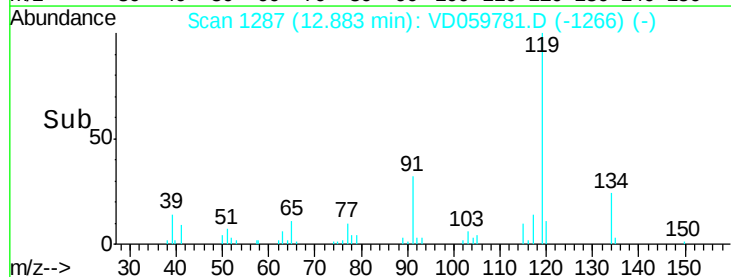
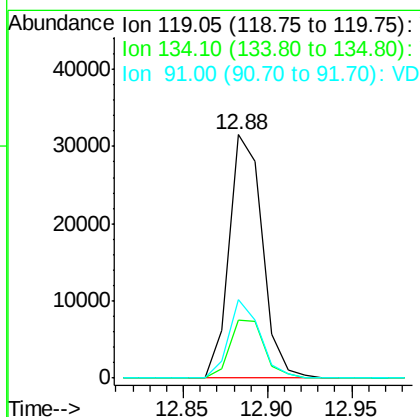
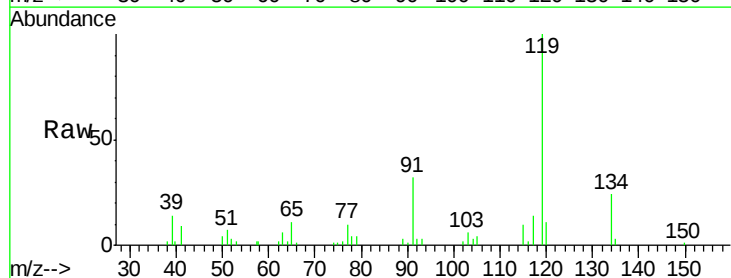
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

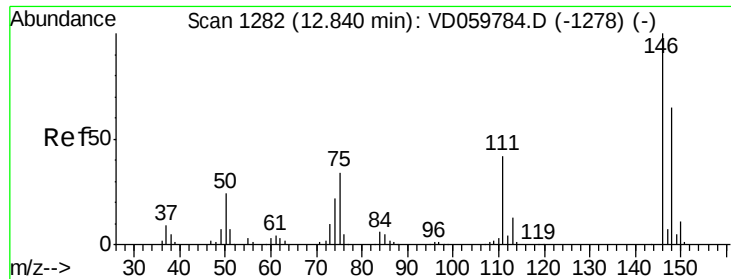
Tot Ion:105 Resp: 52788
 Ion Ratio Lower Upper
 105 100
 134 16.5 8.2 24.4



#86
 p-Isopropyltoluene
 Concen: 5.33 ug/l
 RT: 12.88 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VD059781.D
 Acq: 14 Aug 2018 22:58

Tgt Ion:119 Resp: 43045
 Ion Ratio Lower Upper
 119 100
 134 23.8 10.9 32.6
 91 32.1 16.4 49.4

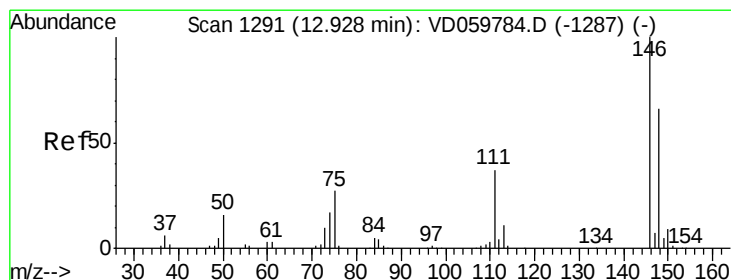
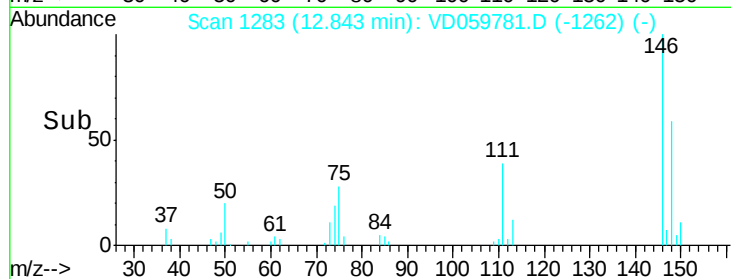
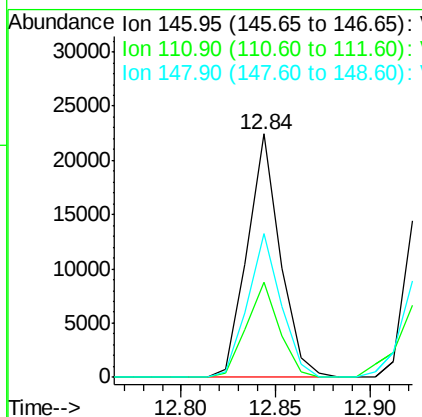
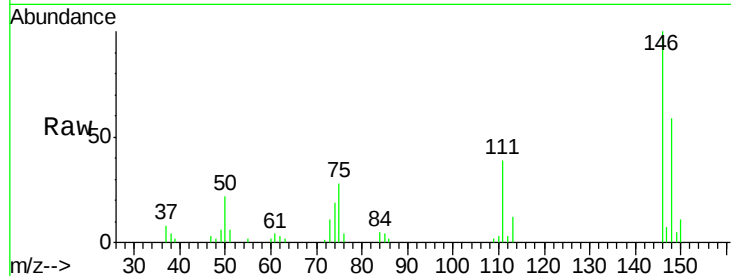




#87
 1,3-Dichlorobenzene
 Concen: 5.61 ug/l
 RT: 12.84 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VD059781.D
 Acq: 14 Aug 2018 22:58

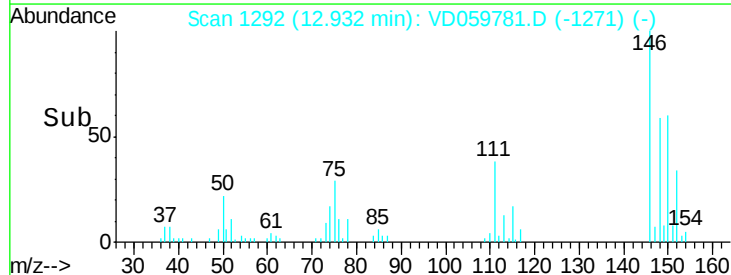
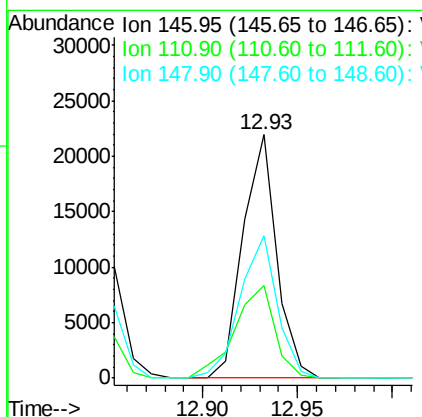
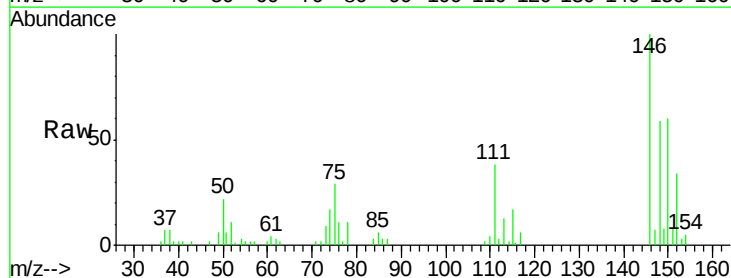
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

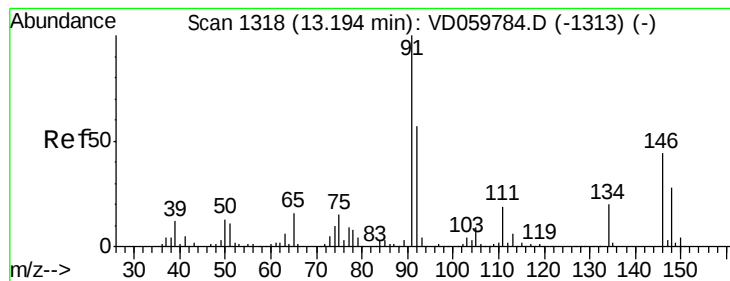
Tot Ion:146 Resp: 27048
 Ion Ratio Lower Upper
 146 100
 111 39.0 20.9 62.8
 148 59.2 32.6 97.8



#88
 1,4-Dichlorobenzene
 Concen: 5.62 ug/l
 RT: 12.93 min Scan# 1292
 Delta R.T. 0.00 min
 Lab File: VD059781.D
 Acq: 14 Aug 2018 22:58

Tgt Ion:146 Resp: 26946
 Ion Ratio Lower Upper
 146 100
 111 37.9 18.6 55.6
 148 58.6 33.0 99.0





#89

n-Butylbenzene

Concen: 5.71 ug/l

RT: 13.20 min Scan# 1319

Delta R.T. 0.00 min

Lab File: VD059781.D

Acq: 14 Aug 2018 22:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

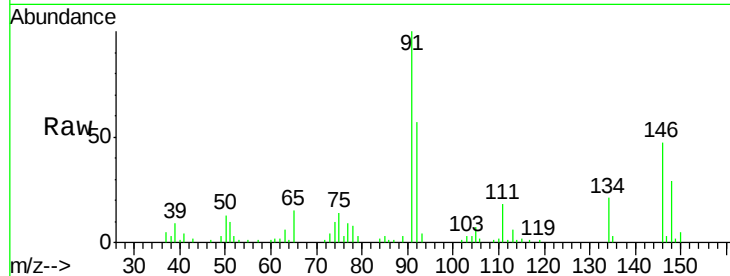
Tot Ion: 91 Resp: 47163

Ion Ratio Lower Upper

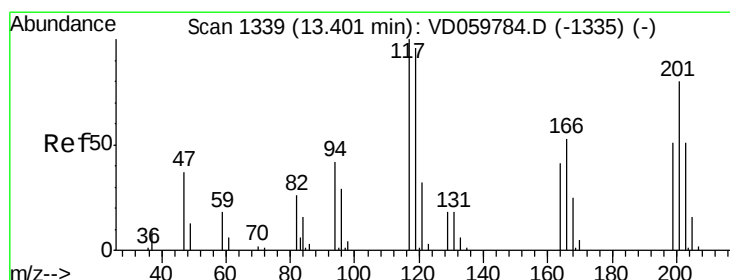
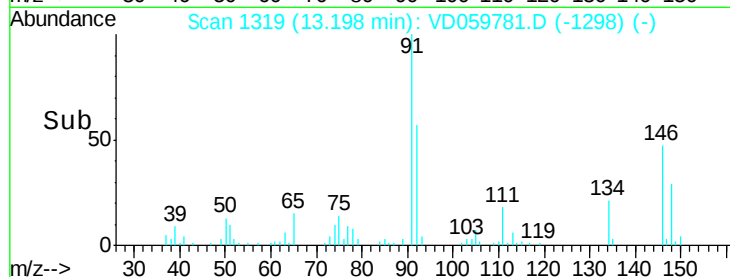
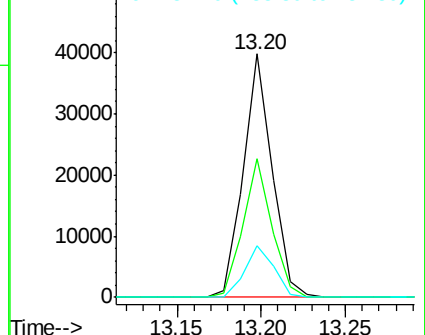
91 100

92 56.7 28.4 85.3

134 21.0 10.2 30.4



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



#90

Hexachloroethane

Concen: 4.85 ug/l

RT: 13.40 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VD059781.D

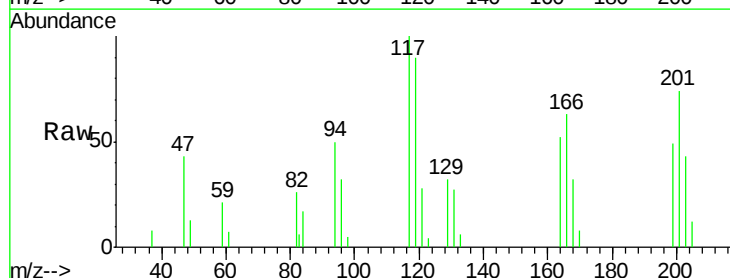
Acq: 14 Aug 2018 22:58

Tgt Ion: 117 Resp: 9816

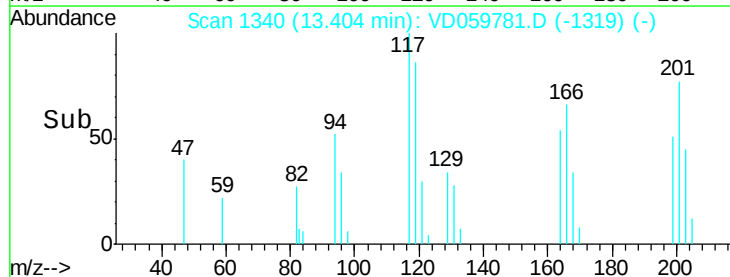
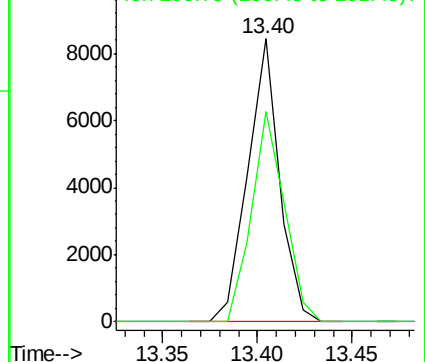
Ion Ratio Lower Upper

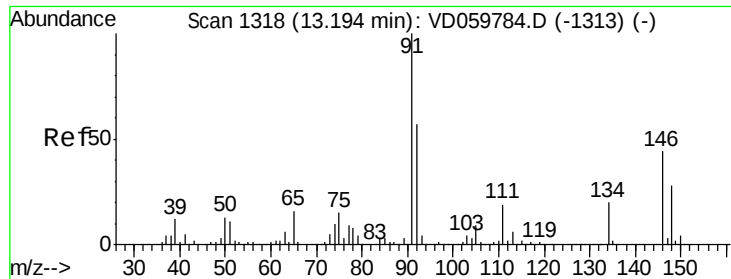
117 100

201 74.3 39.9 119.7



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

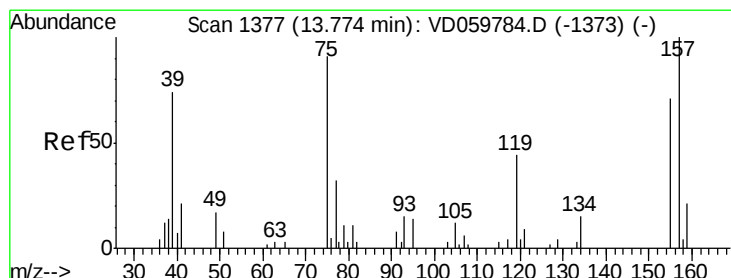
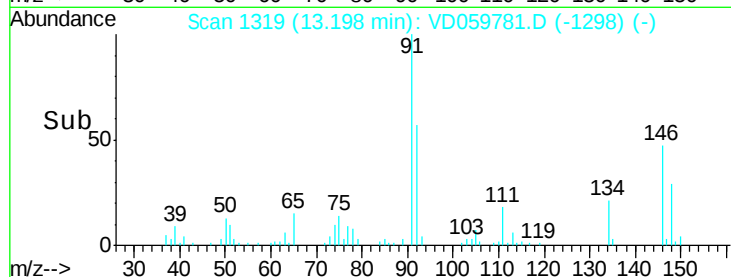
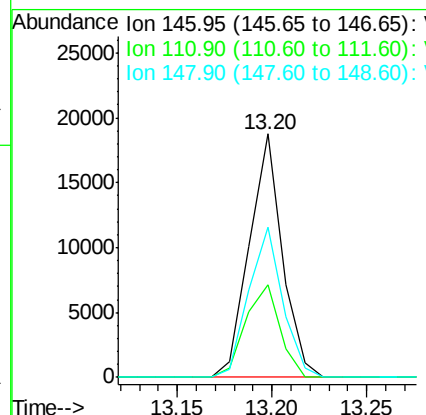
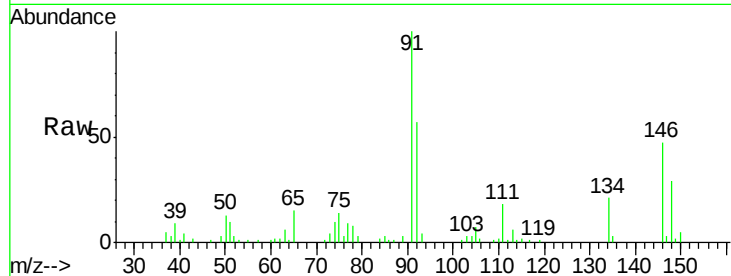




#91
 1,2-Dichlorobenzene
 Concen: 5.64 ug/l
 RT: 13.20 min Scan# 1319
 Delta R.T. 0.00 min
 Lab File: VD059781.D
 Acq: 14 Aug 2018 22:58

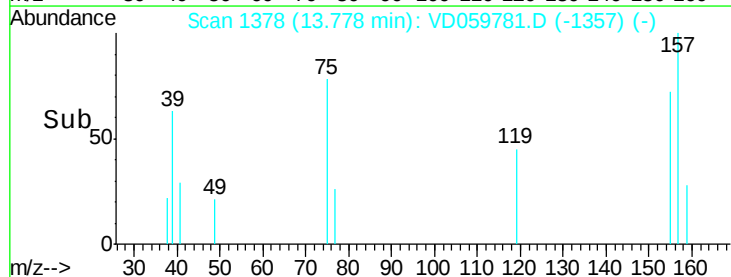
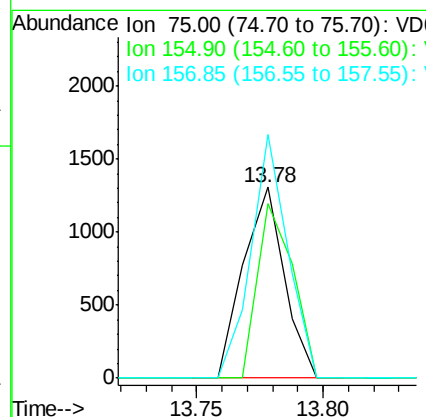
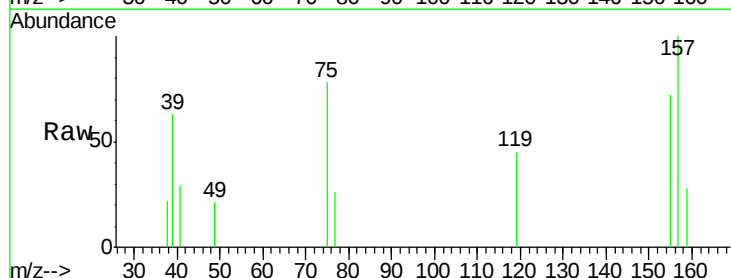
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

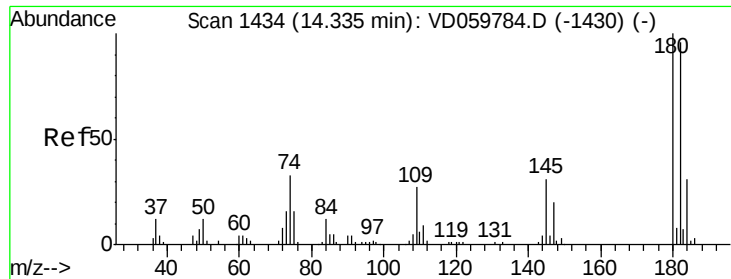
Tot Ion:146 Resp: 22638
 Ion Ratio Lower Upper
 146 100
 111 38.3 21.1 63.1
 148 61.9 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.21 ug/l
 RT: 13.78 min Scan# 1378
 Delta R.T. 0.00 min
 Lab File: VD059781.D
 Acq: 14 Aug 2018 22:58

Tgt Ion: 75 Resp: 1464
 Ion Ratio Lower Upper
 75 100
 155 91.6 39.0 117.0
 157 127.7 54.8 164.3

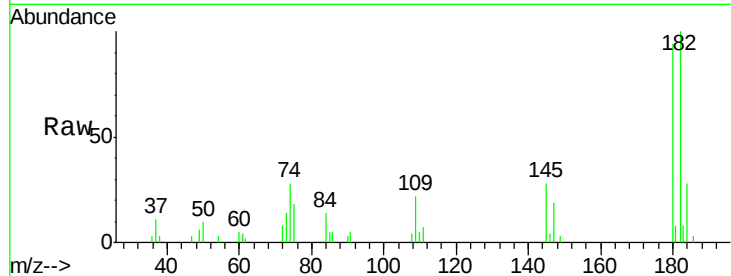




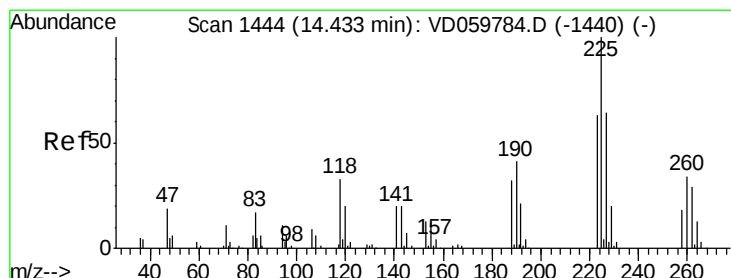
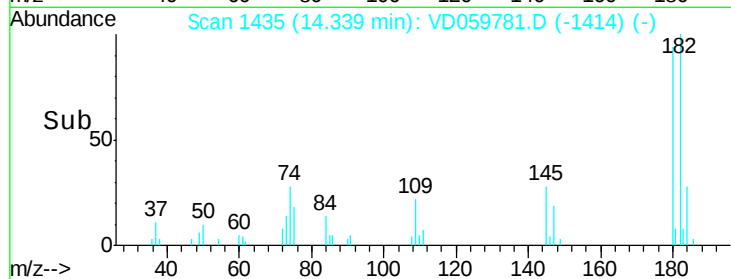
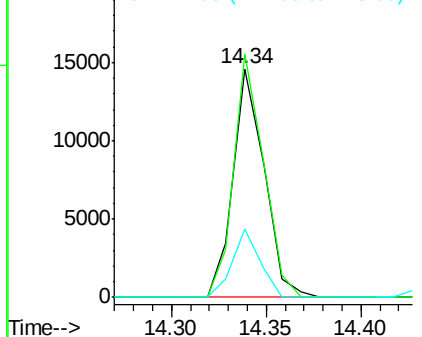
#93
 1,2,4-Trichlorobenzene
 Concen: 4.93 ug/l
 RT: 14.34 min Scan# 1435
 Delta R.T. 0.00 min
 Lab File: VD059781.D
 Acq: 14 Aug 2018 22:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion:180 Resp: 16578
 Ion Ratio Lower Upper
 180 100
 182 106.4 48.0 144.0
 145 29.7 15.5 46.5

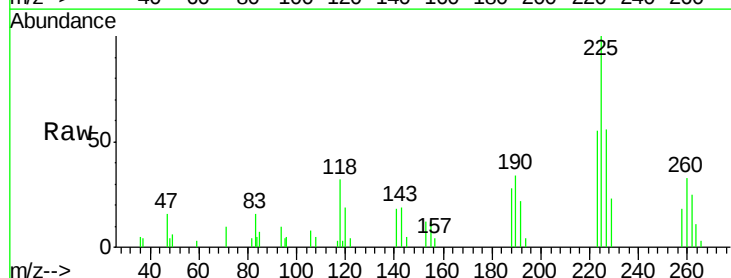


Abundance Ion 179.85 (179.55 to 180.55):
 Ion 181.85 (181.55 to 182.55):
 Ion 144.95 (144.65 to 145.65):

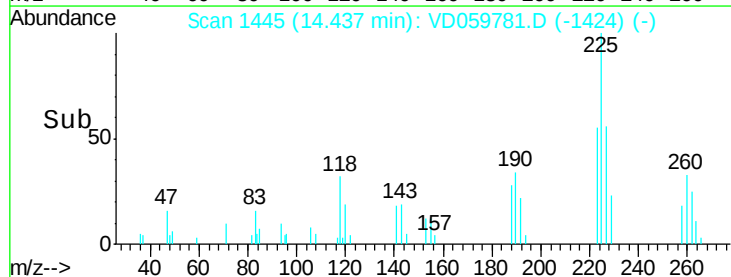
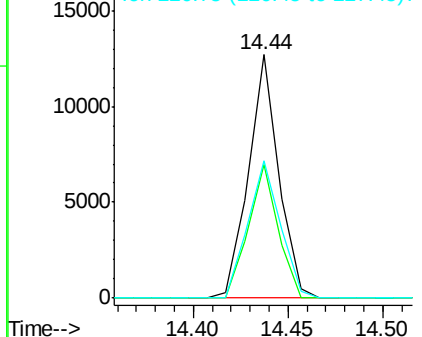


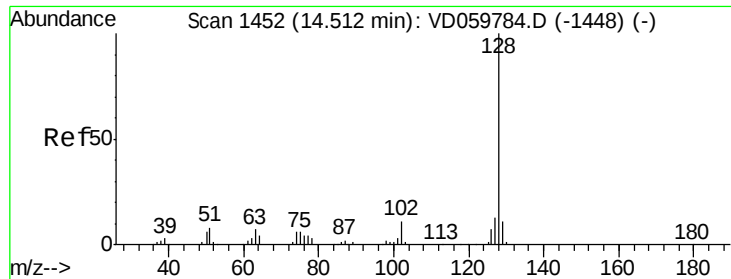
#94
 Hexachlorobutadiene
 Concen: 5.82 ug/l
 RT: 14.44 min Scan# 1445
 Delta R.T. 0.00 min
 Lab File: VD059781.D
 Acq: 14 Aug 2018 22:58

Tgt Ion:225 Resp: 14015
 Ion Ratio Lower Upper
 225 100
 223 55.0 31.4 94.2
 227 56.4 32.1 96.5



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





#95

Naphthalene

Concen: 5.25 ug/l

RT: 14.52 min Scan# 1453

Delta R.T. 0.00 min

Lab File: VD059781.D

Acq: 14 Aug 2018 22:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

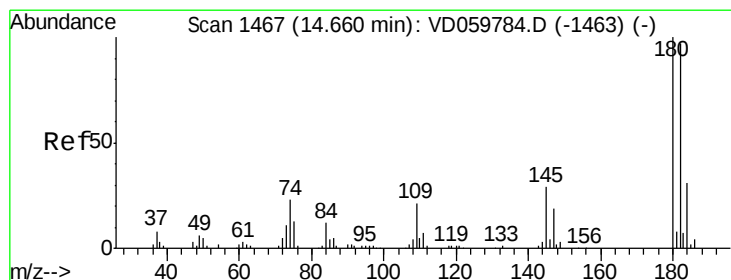
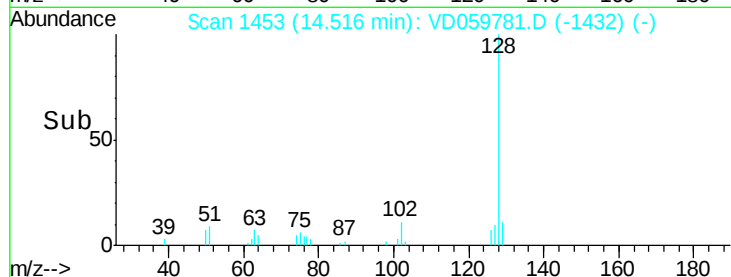
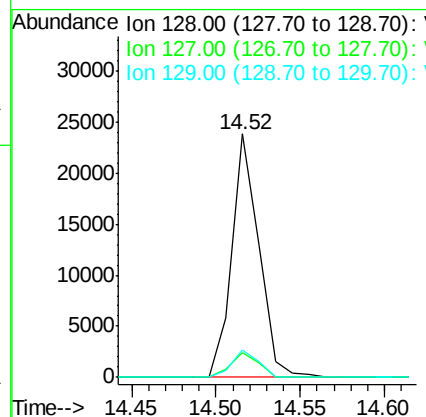
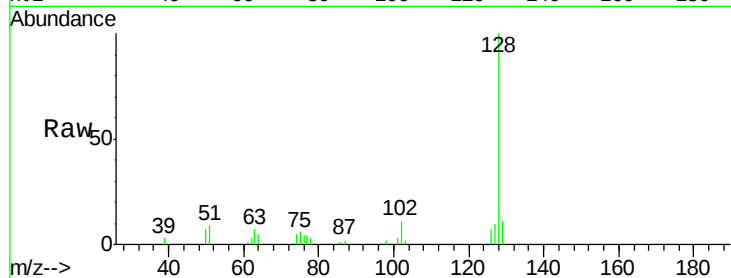
Tot Ion:128 Resp: 26501

Ion Ratio Lower Upper

128 100

127 10.4 10.3 15.5

129 11.0 9.1 13.7



#96

1,2,3-Trichlorobenzene

Concen: 5.57 ug/l

RT: 14.66 min Scan# 1468

Delta R.T. 0.00 min

Lab File: VD059781.D

Acq: 14 Aug 2018 22:58

Tgt Ion:180 Resp: 16075

Ion Ratio Lower Upper

180 100

182 88.3 48.5 145.5

145 28.0 14.3 42.9

