

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081518\
 Data File : VD059783.D
 Acq On : 15 Aug 2018 00:23
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Quant Time: Aug 15 08:12:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D081518S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 15 08:11:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	239137	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.68	114	330699	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.68	117	270112	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	156020	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.00	65	58918	16.20	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	32.40%	
35) Dibromofluoromethane	5.54	113	55014	16.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	33.22%	
50) Toluene-d8	8.70	98	123868	18.29	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	36.58%	
62) 4-Bromofluorobenzene	11.92	95	61830	18.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.38%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.33	85	57246	16.61	ug/l	97
3) Chloromethane	1.47	50	31622	22.87	ug/l	88
4) Vinyl Chloride	1.55	62	32693	19.24	ug/l	97
5) Bromomethane	1.77	94	7379	10.53	ug/l	97
6) Chloroethane	1.86	64	10607	12.57	ug/l	98
7) Trichlorofluoromethane	2.07	101	48828	13.95	ug/l	97
8) Diethyl Ether	2.33	74	10042	17.60	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.54	101	30242	16.69	ug/l	88
10) Methyl Iodide	2.68	142	29470	15.05	ug/l	99
11) Tert butyl alcohol	3.26	59	11260	88.77	ug/l #	74
12) 1,1-Dichloroethene	2.53	96	20933	16.09	ug/l	94
13) Acrolein	2.46	56	7722	93.61	ug/l	85
14) Allyl chloride	2.90	41	50779	17.45	ug/l	94
15) Acrylonitrile	3.35	53	38078	116.38	ug/l	93
16) Acetone	2.60	43	45923	80.00	ug/l	95
17) Carbon Disulfide	2.75	76	64157	14.82	ug/l	98
18) Methyl Acetate	2.92	43	19824	16.97	ug/l #	90
19) Methyl tert-butyl Ether	3.40	73	109953	21.07	ug/l	99
20) Methylene Chloride	3.05	84	29412	17.26	ug/l	96
21) trans-1,2-Dichloroethene	3.37	96	41477	23.22	ug/l	97
22) Diisopropyl ether	4.05	45	144448	24.50	ug/l	92
23) Vinyl Acetate	4.01	43	428988	111.66	ug/l	99
24) 1,1-Dichloroethane	3.96	63	86972	20.81	ug/l	98
25) 2-Butanone	4.82	43	67793	101.97	ug/l	97
26) 2,2-Dichloropropane	4.78	77	81367	17.32	ug/l	97
27) cis-1,2-Dichloroethene	4.79	96	47986	22.73	ug/l	95
28) Bromochloromethane	5.14	49	33699	22.14	ug/l	94
29) Tetrahydrofuran	5.18	42	33106	130.60	ug/l	99
30) Chloroform	5.31	83	104445	19.27	ug/l	99
31) Cyclohexane	5.58	56	54645	21.87	ug/l	95
32) 1,1,1-Trichloroethane	5.50	97	91220	16.66	ug/l	97
36) 1,1-Dichloropropene	5.74	75	66711	17.90	ug/l	94
37) Ethyl Acetate	4.91	43	34487	20.81	ug/l	96
38) Carbon Tetrachloride	5.72	117	80218	14.16	ug/l	96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.28	83	54621	19.13	ug/l	98
40) Benzene	6.00	78	140966	20.87	ug/l	100
41) Methacrylonitrile	5.12	41	15257	18.91	ug/l	97
42) 1,2-Dichloroethane	6.12	62	74718	14.99	ug/l	99
43) Isopropyl Acetate	7.61	43	41547	19.74	ug/l	98
44) Trichloroethene	6.98	130	48347	18.43	ug/l	95
45) 1,2-Dichloropropane	7.34	63	36148	20.75	ug/l	95
46) Dibromomethane	7.46	93	29470	16.95	ug/l	95
47) Bromodichloromethane	7.73	83	74285	16.32	ug/l	98
48) Methyl methacrylate	7.50	41	28682	18.99	ug/l	96
49) 1,4-Dioxane	7.49	88	5678	527.87	ug/l #	85
51) 4-Methyl-2-Pentanone	8.59	43	152514	94.17	ug/l	98
52) Toluene	8.80	92	90238	20.74	ug/l	99
53) t-1,3-Dichloropropene	9.18	75	63992	17.41	ug/l	99
54) cis-1,3-Dichloropropene	8.35	75	64505	17.66	ug/l	96
55) 1,1,2-Trichloroethane	9.45	97	33311	19.74	ug/l	96
56) Ethyl methacrylate	9.31	69	39557	20.57	ug/l	98
57) 1,3-Dichloropropane	9.66	76	53284	19.29	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.18	63	97879	110.83	ug/l	97
59) 2-Hexanone	9.78	43	109564	91.89	ug/l	98
60) Dibromochloromethane	9.96	129	49661	15.98	ug/l	99
61) 1,2-Dibromoethane	10.08	107	38220	18.60	ug/l	96
64) Tetrachloroethene	9.50	164	46369	17.96	ug/l	96
65) Chlorobenzene	10.71	112	111374	20.38	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.84	131	47413	17.76	ug/l	98
67) Ethyl Benzene	10.85	91	197603	19.56	ug/l	97
68) m/p-Xylenes	11.01	106	130550	39.46	ug/l	97
69) o-Xylene	11.40	106	60829	19.03	ug/l	98
70) Styrene	11.43	104	108509	20.48	ug/l	99
71) Bromoform	11.60	173	33128	16.62	ug/l	96
73) Isopropylbenzene	11.77	105	189319	18.05	ug/l	99
74) N-amyl acetate	11.64	43	60134	19.87	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.07	83	40985	21.10	ug/l	94
76) 1,2,3-Trichloropropane	12.11	75	43845	19.47	ug/l	97
77) Bromobenzene	12.03	156	53065	17.32	ug/l	76
78) n-propylbenzene	12.15	91	242041	18.93	ug/l	98
79) 2-Chlorotoluene	12.21	91	144480	17.90	ug/l	100
80) 1,3,5-Trimethylbenzene	12.32	105	159554	17.73	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.84	75	9875	18.95	ug/l	91
82) 4-Chlorotoluene	12.32	91	179014	19.02	ug/l	92
83) tert-Butylbenzene	12.57	119	174822	17.80	ug/l	97
84) 1,2,4-Trimethylbenzene	12.62	105	173472	18.66	ug/l	96
85) sec-Butylbenzene	12.75	105	198326	18.81	ug/l	98
86) p-Isopropyltoluene	12.88	119	171751	18.23	ug/l	98
87) 1,3-Dichlorobenzene	12.84	146	98760	19.05	ug/l	98
88) 1,4-Dichlorobenzene	12.93	146	99508	19.04	ug/l	97
89) n-Butylbenzene	13.19	91	168863	17.96	ug/l	99
90) Hexachloroethane	13.40	117	40332	16.68	ug/l	86
91) 1,2-Dichlorobenzene	13.19	146	82816	18.65	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.77	75	7085	15.40	ug/l	80

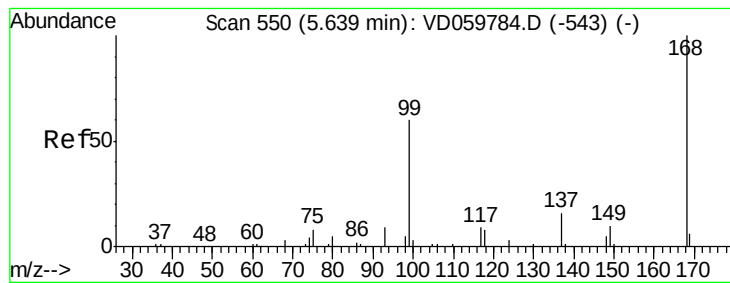
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	68720	16.66	ug/l	98
94) Hexachlorobutadiene	14.43	225	48365	14.31	ug/l	99
95) Naphthalene	14.51	128	103502	18.39	ug/l	100
96) 1,2,3-Trichlorobenzene	14.66	180	59596	16.92	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.01 min

Lab File: VD059783.D

Acq: 15 Aug 2018 00:23

Instrument :

MSVOA_D

ClientSampleId :

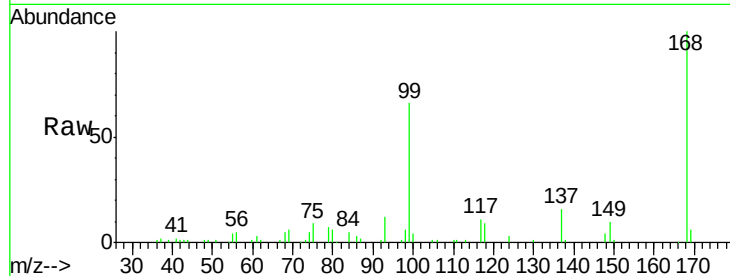
VSTDIC020

Tot Ion:168 Resp: 239137

Ion Ratio Lower Upper

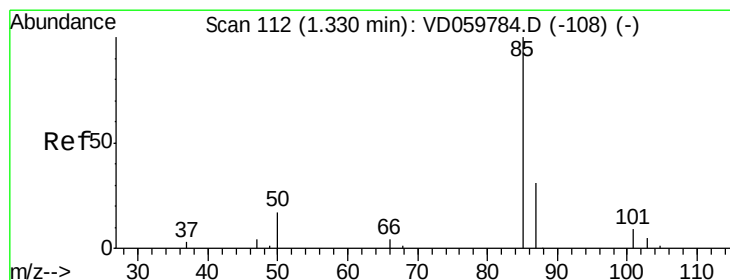
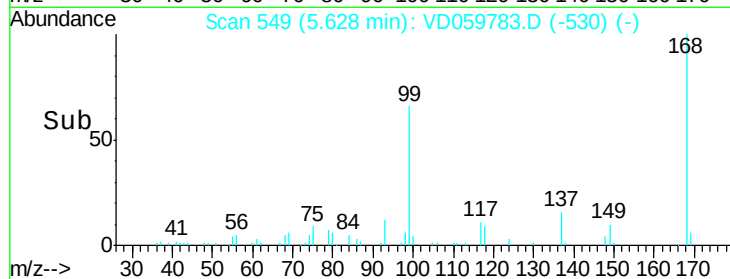
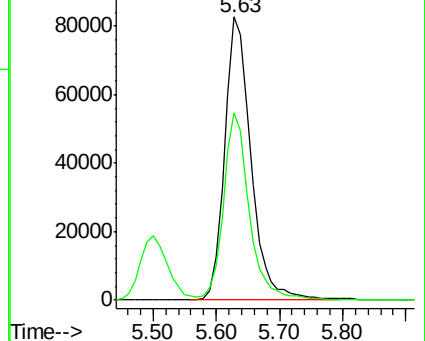
168 100

99 66.2 50.3 75.5



Abundance Ion 167.90 (167.60 to 168.60):

Ion 98.95 (98.65 to 99.65): VD



#2

Dichlorodifluoromethane

Concen: 16.61 ug/l

RT: 1.33 min Scan# 112

Delta R.T. -0.00 min

Lab File: VD059783.D

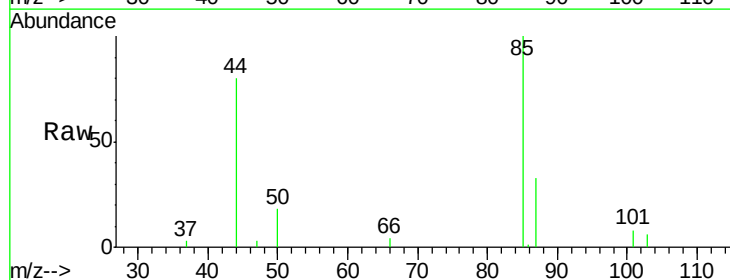
Acq: 15 Aug 2018 00:23

Tgt Ion: 85 Resp: 57246

Ion Ratio Lower Upper

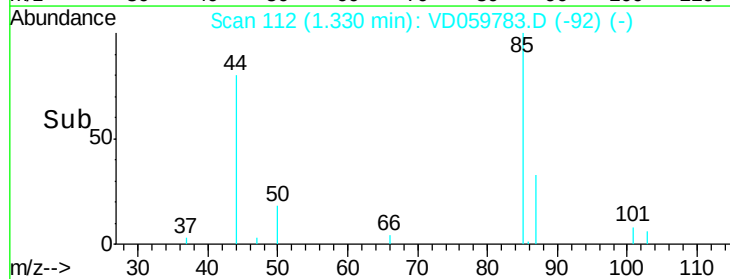
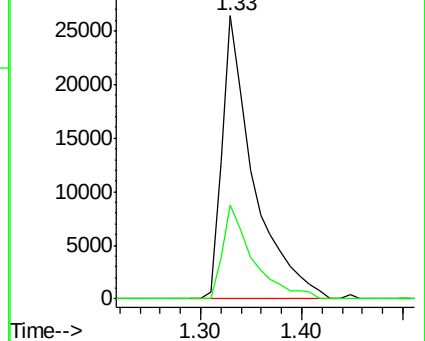
85 100

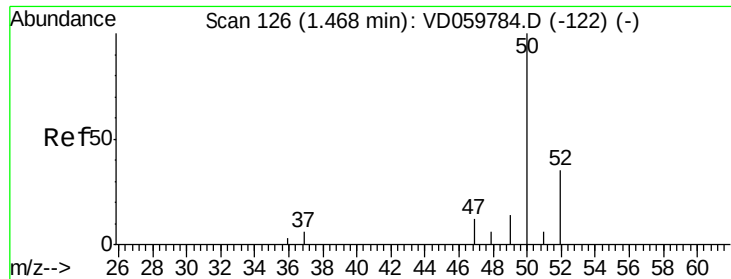
87 33.0 15.7 47.1



Abundance Ion 84.95 (84.65 to 85.65): VD

Ion 86.90 (86.60 to 87.60): VD





#3

Chloromethane

Concen: 22.87 ug/l

RT: 1.47 min Scan# 126

Delta R.T. -0.00 min

Lab File: VD059783.D

Acq: 15 Aug 2018 00:23

Instrument :

MSVOA_D

ClientSampleId :

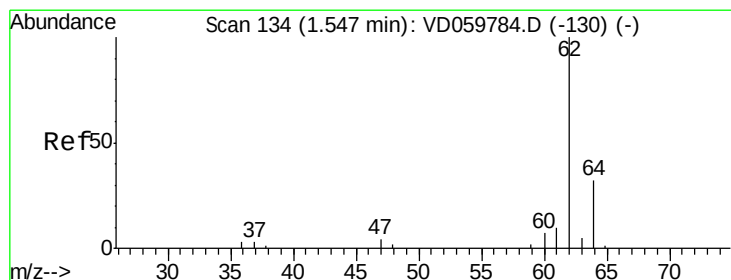
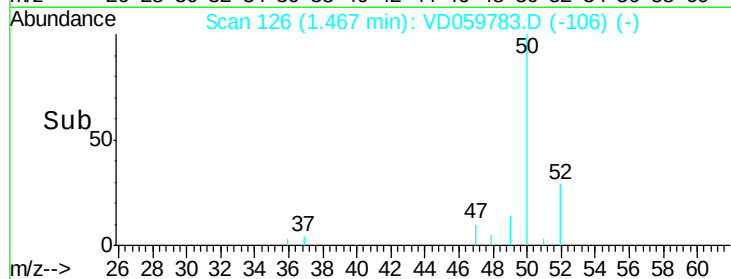
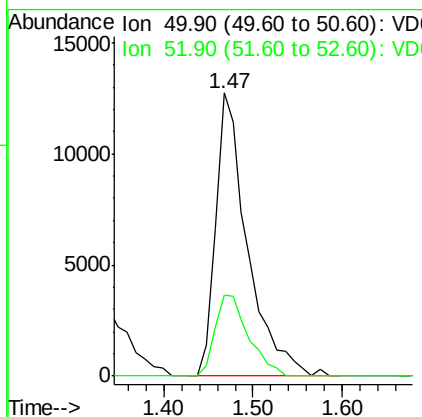
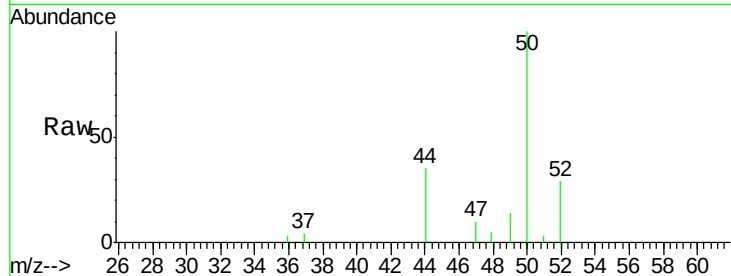
VSTDIC020

Tot Ion: 50 Resp: 31622

Ion Ratio Lower Upper

50 100

52 28.6 28.4 42.6



#4

Vinyl Chloride

Concen: 19.24 ug/l

RT: 1.55 min Scan# 134

Delta R.T. -0.00 min

Lab File: VD059783.D

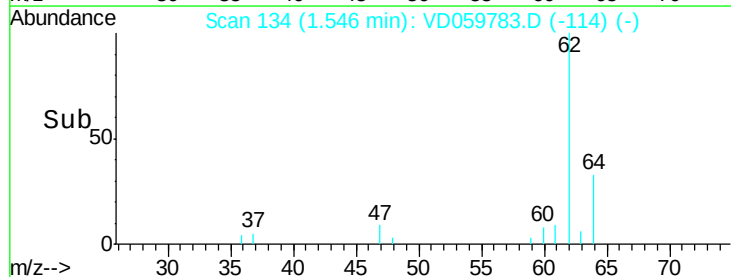
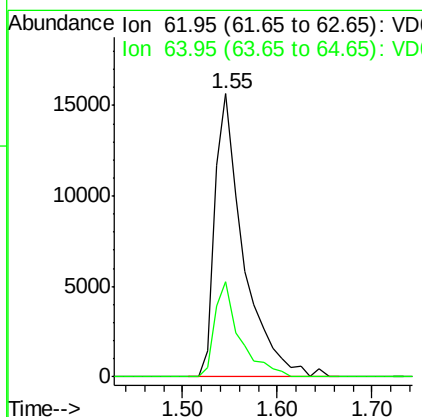
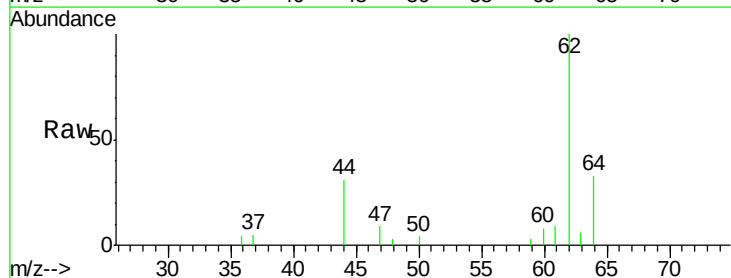
Acq: 15 Aug 2018 00:23

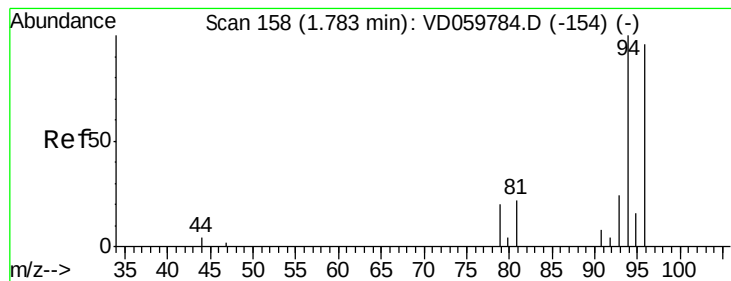
Tgt Ion: 62 Resp: 32693

Ion Ratio Lower Upper

62 100

64 33.5 25.5 38.3





#5

Bromomethane

Concen: 10.53 ug/l

RT: 1.77 min Scan# 157

Delta R.T. -0.01 min

Lab File: VD059783.D

Acq: 15 Aug 2018 00:23

Instrument :

MSVOA_D

ClientSampleId :

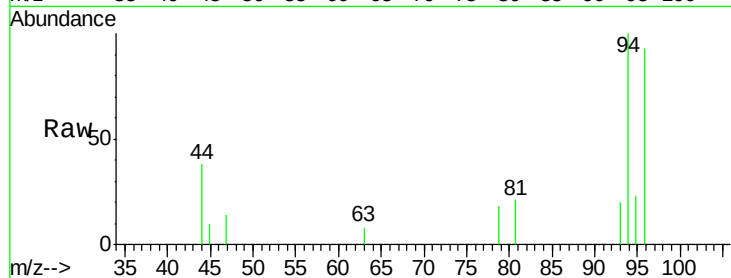
VSTDIC020

Tot Ion: 94 Resp: 7379

Ion Ratio Lower Upper

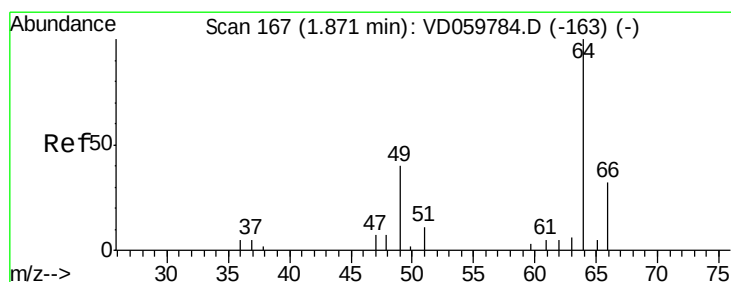
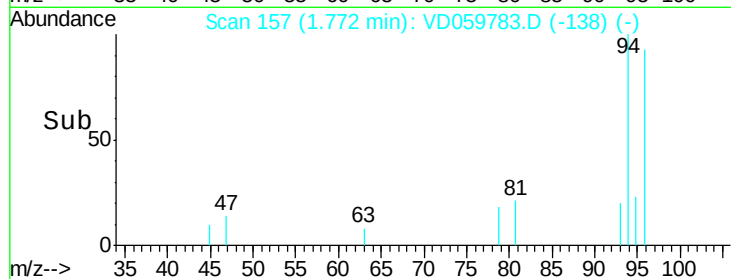
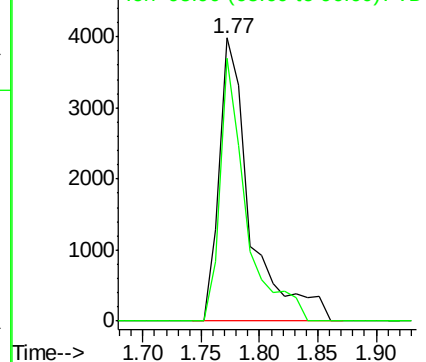
94 100

96 92.9 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: 12.57 ug/l

RT: 1.86 min Scan# 166

Delta R.T. -0.01 min

Lab File: VD059783.D

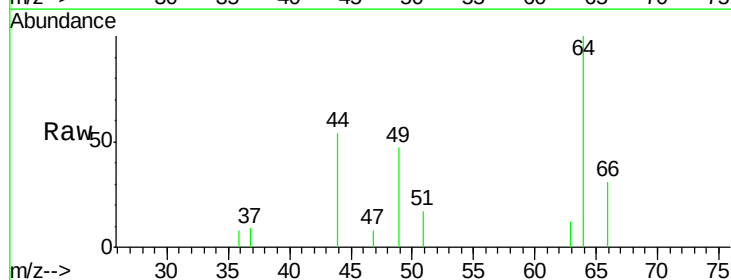
Acq: 15 Aug 2018 00:23

Tgt Ion: 64 Resp: 10607

Ion Ratio Lower Upper

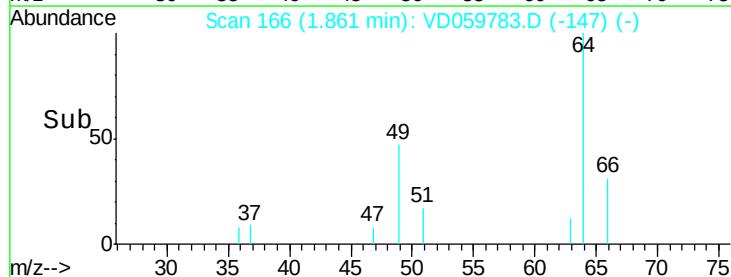
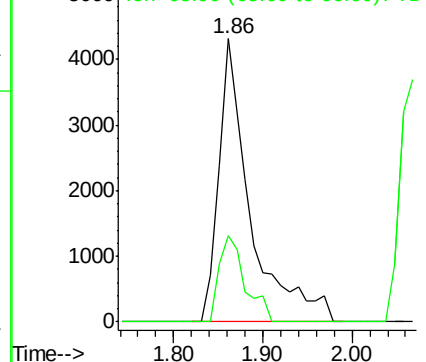
64 100

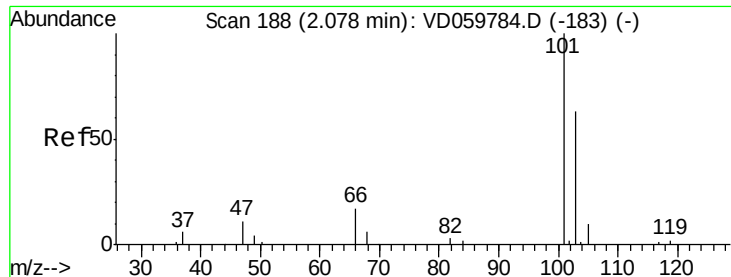
66 30.7 25.4 38.2



Abundance Ion 63.95 (63.65 to 64.65): VD

Ion 65.90 (65.60 to 66.60): VD



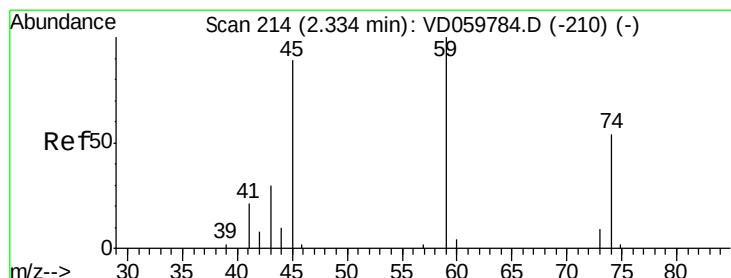
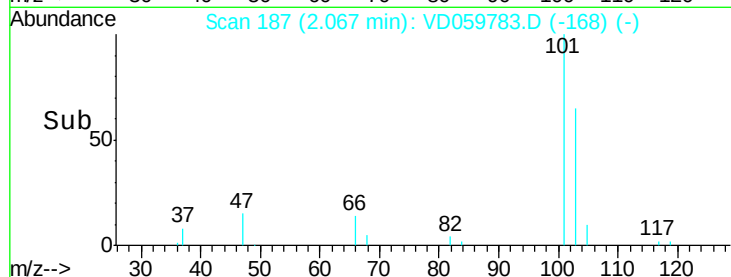
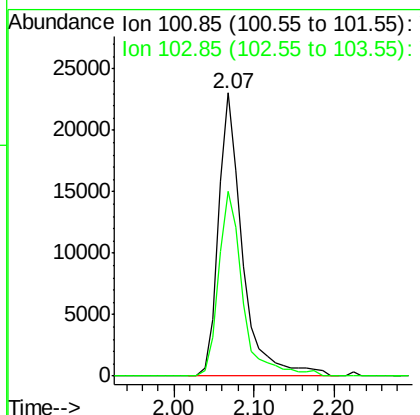
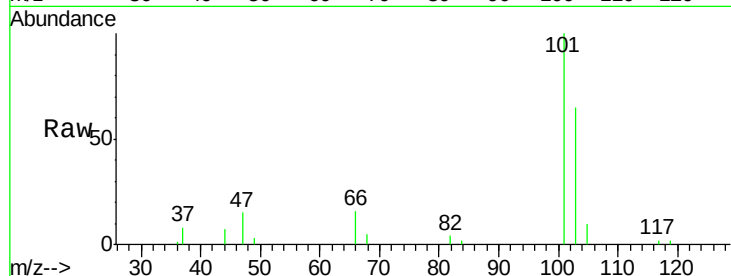


#7

Trichlorofluoromethane
 Concen: 13.95 ug/l
 RT: 2.07 min Scan# 187
 Delta R.T. -0.01 min
 Lab File: VD059783.D
 Acq: 15 Aug 2018 00:23

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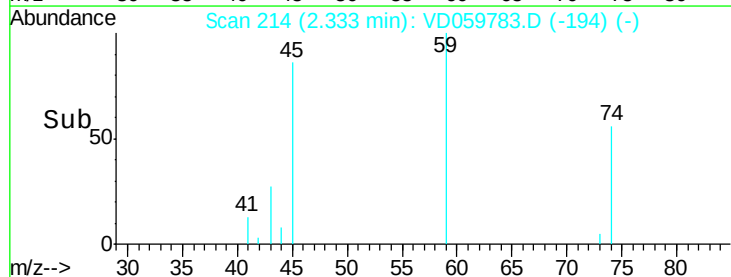
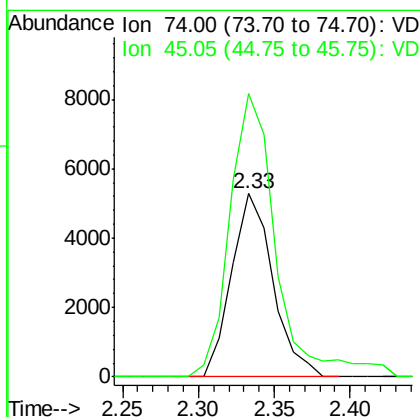
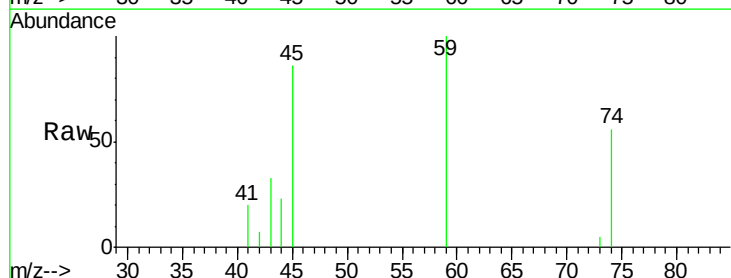
Tot Ion:101 Resp: 48828
 Ion Ratio Lower Upper
 101 100
 103 65.4 50.4 75.6

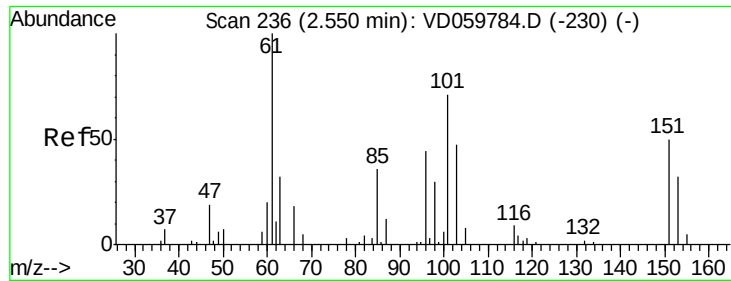


#8

Diethyl Ether
 Concen: 17.60 ug/l
 RT: 2.33 min Scan# 214
 Delta R.T. -0.00 min
 Lab File: VD059783.D
 Acq: 15 Aug 2018 00:23

Tgt Ion: 74 Resp: 10042
 Ion Ratio Lower Upper
 74 100
 45 154.3 81.6 244.8

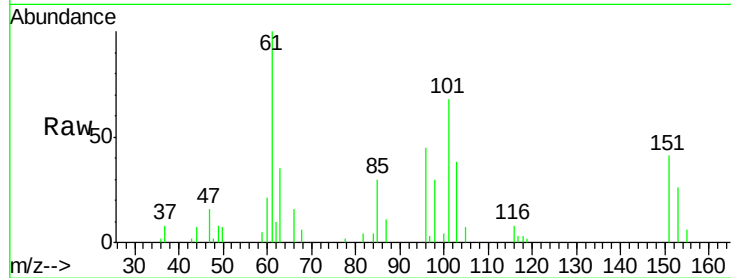




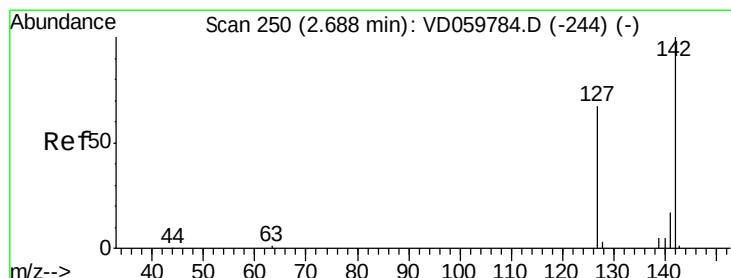
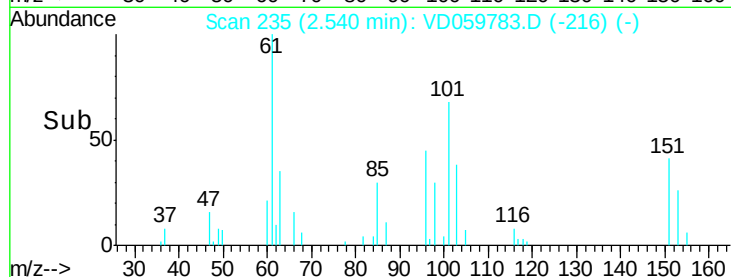
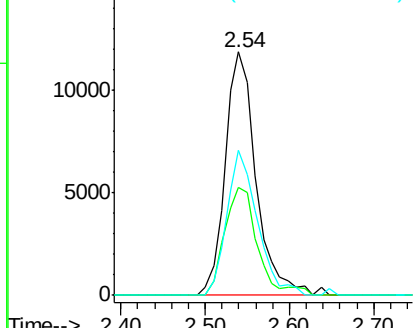
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 16.69 ug/l
 RT: 2.54 min Scan# 235
 Delta R.T. -0.01 min
 Lab File: VD059783.D
 Acq: 15 Aug 2018 00:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion:101 Resp: 30242
 Ion Ratio Lower Upper
 101 100
 85 44.3 40.6 61.0
 151 59.7 57.1 85.7

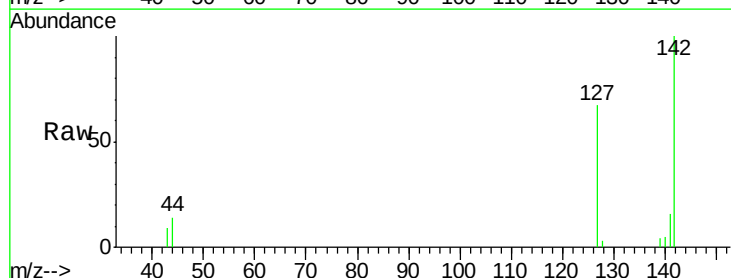


Abundance Ion 100.85 (100.55 to 101.55):
 Ion 84.95 (84.65 to 85.65): VD
 Ion 150.90 (150.60 to 151.60):

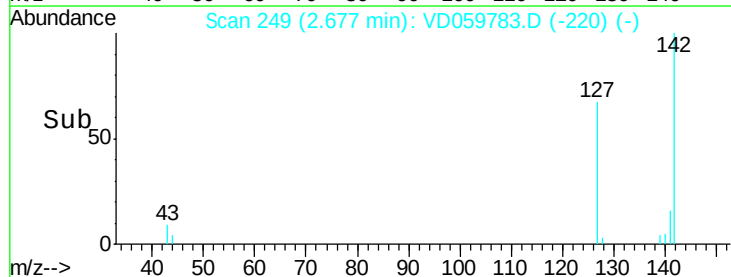
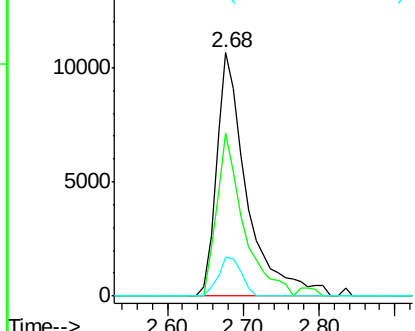


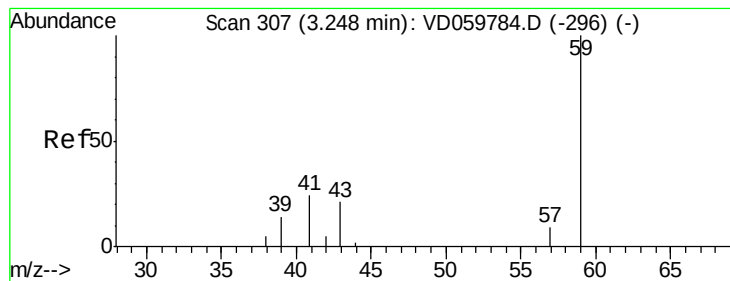
#10
 Methyl Iodide
 Concen: 15.05 ug/l
 RT: 2.68 min Scan# 249
 Delta R.T. -0.01 min
 Lab File: VD059783.D
 Acq: 15 Aug 2018 00:23

Tgt Ion:142 Resp: 29470
 Ion Ratio Lower Upper
 142 100
 127 67.0 54.0 81.0
 141 15.8 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: 88.77 ug/l

RT: 3.26 min Scan# 308

Delta R.T. 0.01 min

Lab File: VD059783.D

Acq: 15 Aug 2018 00:23

Instrument :

MSVOA_D

ClientSampleId :

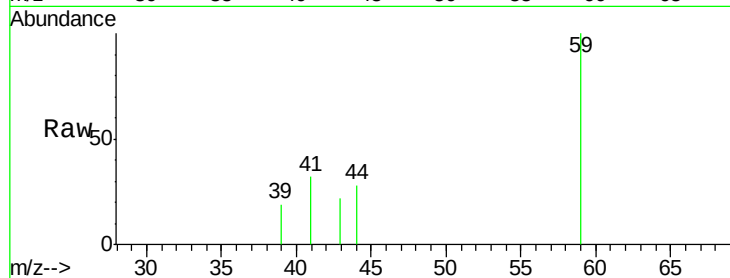
VSTDIC020

Tot Ion: 59 Resp: 11260

Ion Ratio Lower Upper

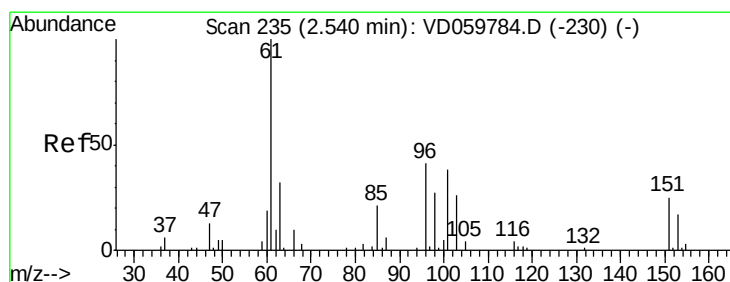
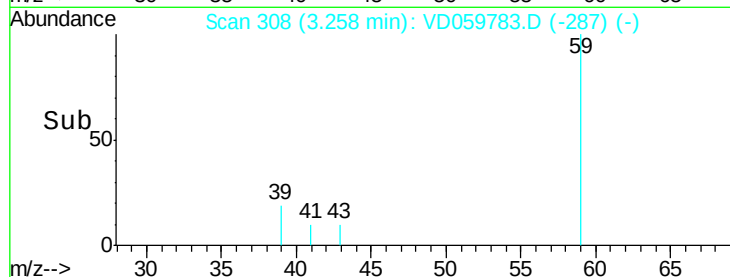
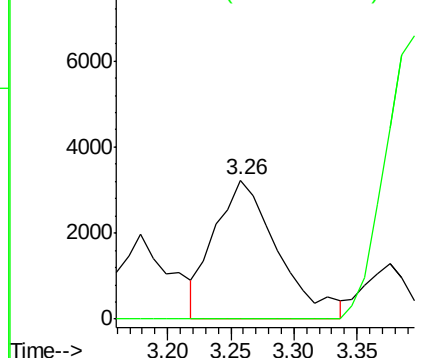
59 100

57 0.0 7.5 11.3#



Abundance Ion 58.95 (58.65 to 59.65): VD

Ion 56.95 (56.65 to 57.65): VD



#12

1,1-Dichloroethene

Concen: 16.09 ug/l

RT: 2.53 min Scan# 234

Delta R.T. -0.01 min

Lab File: VD059783.D

Acq: 15 Aug 2018 00:23

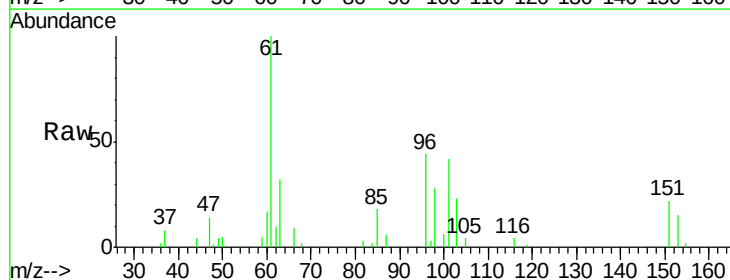
Tgt Ion: 96 Resp: 20933

Ion Ratio Lower Upper

96 100

61 229.7 194.1 291.1

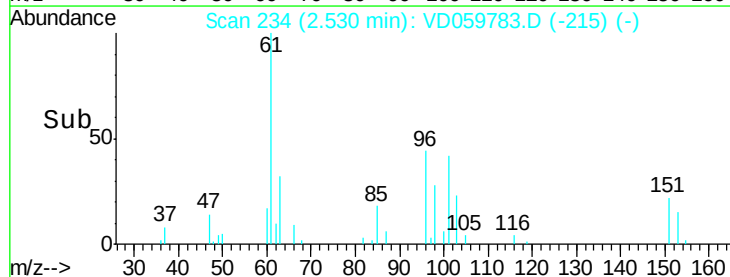
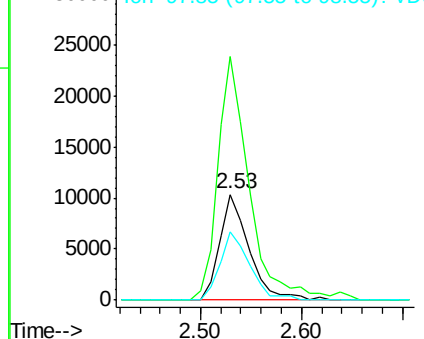
98 64.6 52.3 78.5

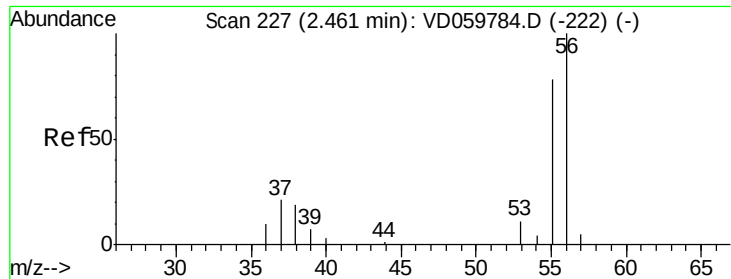


Abundance Ion 95.90 (95.60 to 96.60): VD

Ion 60.95 (60.65 to 61.65): VD

Ion 97.85 (97.55 to 98.55): VD





#13

Acrolein

Concen: 93.61 ug/l

RT: 2.46 min Scan# 227

Delta R.T. -0.00 min

Lab File: VD059783.D

Acq: 15 Aug 2018 00:23

Instrument :

MSVOA_D

ClientSampleId :

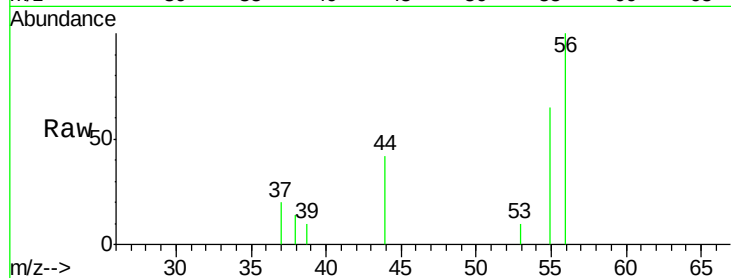
VSTDIC020

Tot Ion: 56 Resp: 7722

Ion Ratio Lower Upper

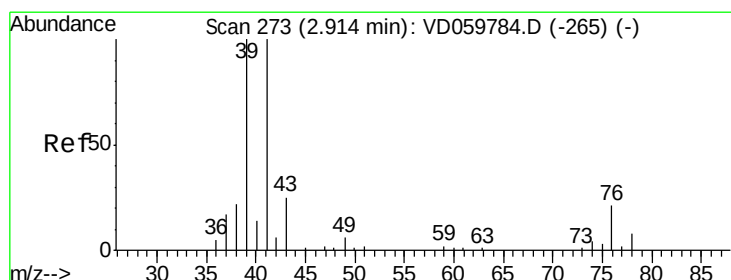
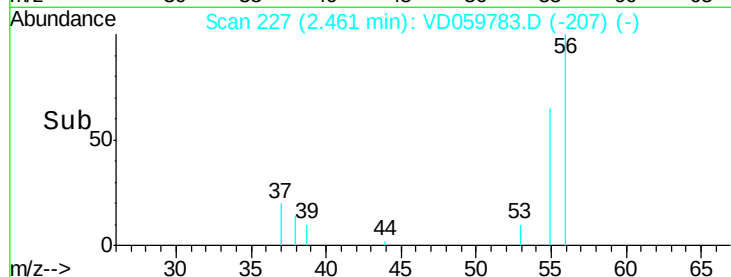
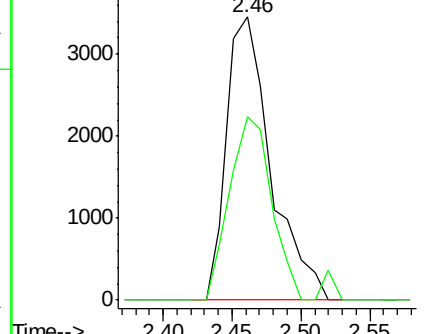
56 100

55 65.0 62.2 93.2



Abundance Ion 55.95 (55.65 to 56.65): VD

Ion 55.00 (54.70 to 55.70): VD



#14

Allyl chloride

Concen: 17.45 ug/l

RT: 2.90 min Scan# 272

Delta R.T. -0.01 min

Lab File: VD059783.D

Acq: 15 Aug 2018 00:23

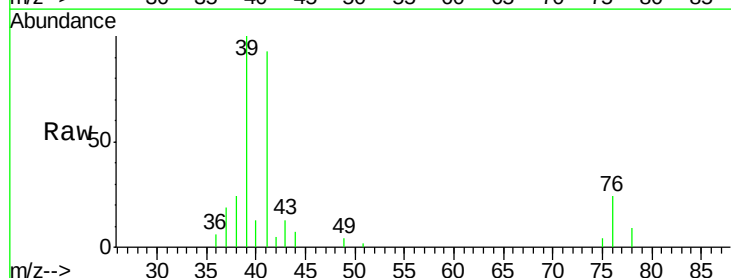
Tgt Ion: 41 Resp: 50779

Ion Ratio Lower Upper

41 100

39 107.0 79.8 119.6

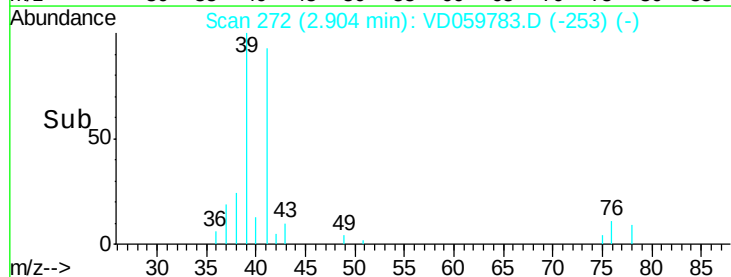
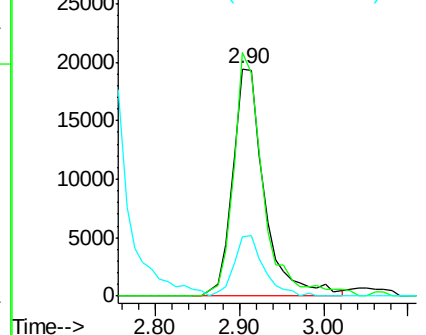
76 25.8 20.4 30.6

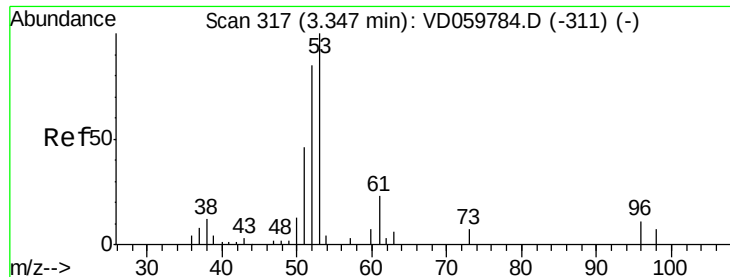


Abundance Ion 41.05 (40.75 to 41.75): VD

Ion 38.95 (38.65 to 39.65): VD

Ion 75.95 (75.65 to 76.65): VD





#15

Acrylonitrile

Concen: 116.38 ug/l

RT: 3.35 min Scan# 317

Delta R.T. -0.00 min

Lab File: VD059783.D

Acq: 15 Aug 2018 00:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

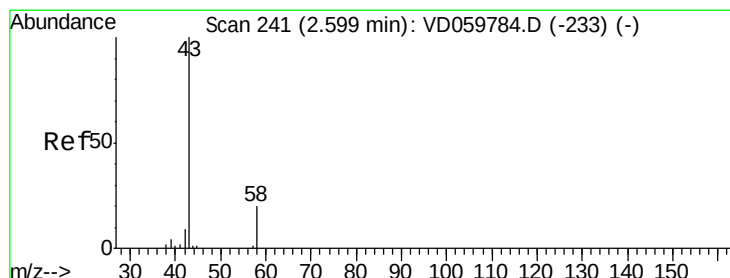
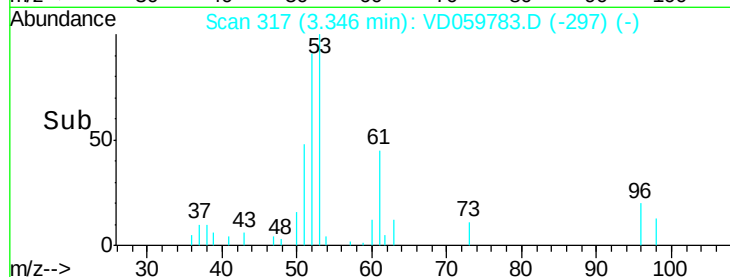
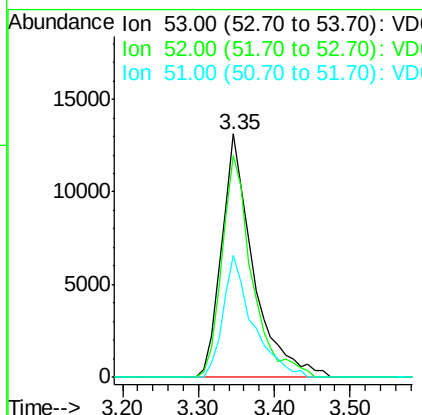
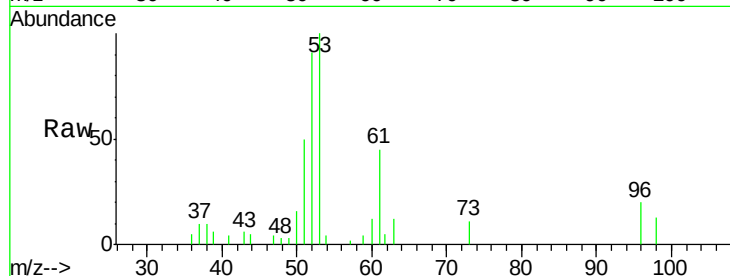
Tot Ion: 53 Resp: 38078

Ion Ratio Lower Upper

53 100

52 91.4 68.2 102.2

51 50.0 36.6 54.8



#16

Acetone

Concen: 80.00 ug/l

RT: 2.60 min Scan# 241

Delta R.T. -0.00 min

Lab File: VD059783.D

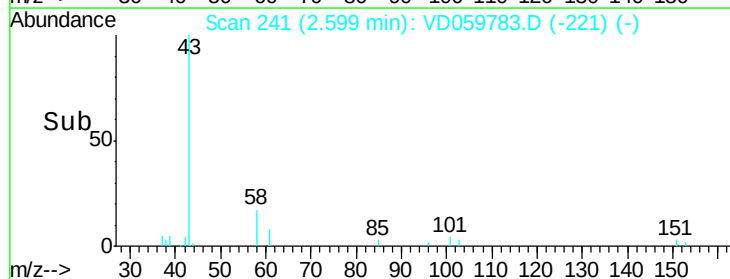
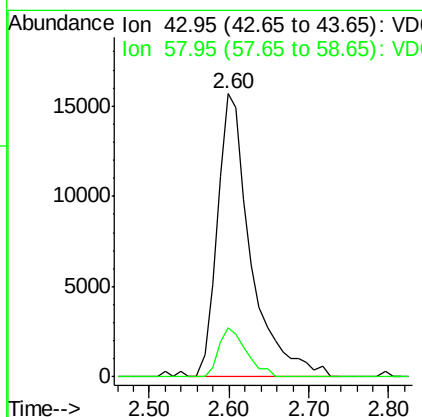
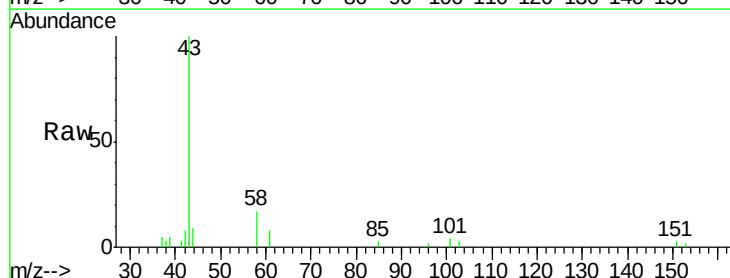
Acq: 15 Aug 2018 00:23

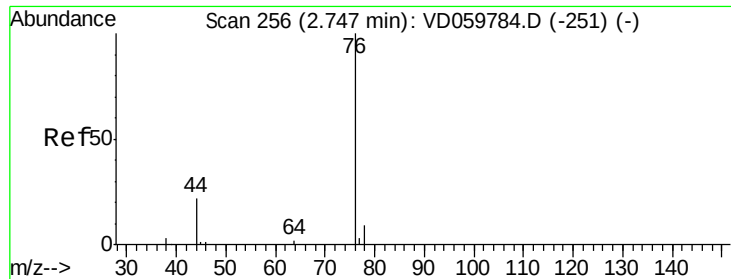
Tgt Ion: 43 Resp: 45923

Ion Ratio Lower Upper

43 100

58 17.3 15.7 23.5





#17

Carbon Disulfide

Concen: 14.82 ug/l

RT: 2.75 min Scan# 256

Delta R.T. -0.00 min

Lab File: VD059783.D

Acq: 15 Aug 2018 00:23

Instrument :

MSVOA_D

ClientSampleId :

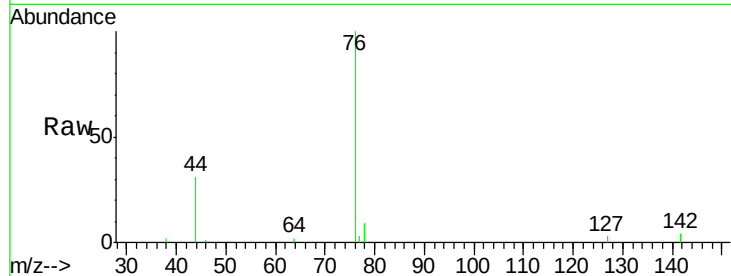
VSTDIC020

Tot Ion: 76 Resp: 64157

Ion Ratio Lower Upper

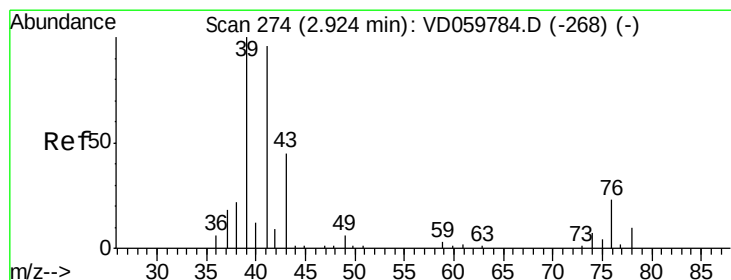
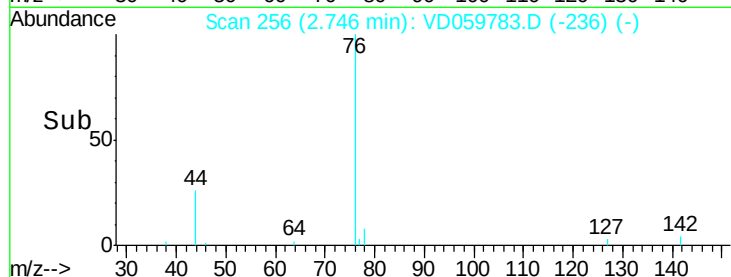
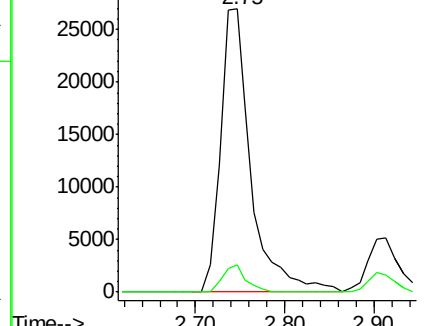
76 100

78 9.5 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: 16.97 ug/l

RT: 2.92 min Scan# 274

Delta R.T. -0.00 min

Lab File: VD059783.D

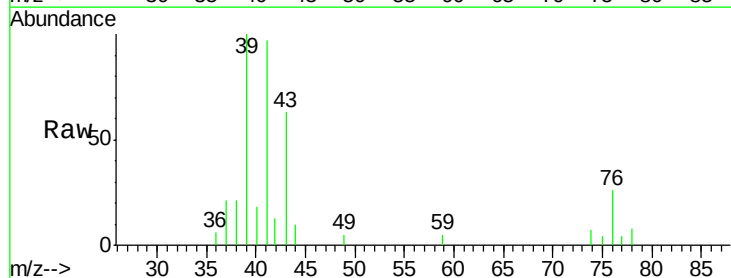
Acq: 15 Aug 2018 00:23

Tgt Ion: 43 Resp: 19824

Ion Ratio Lower Upper

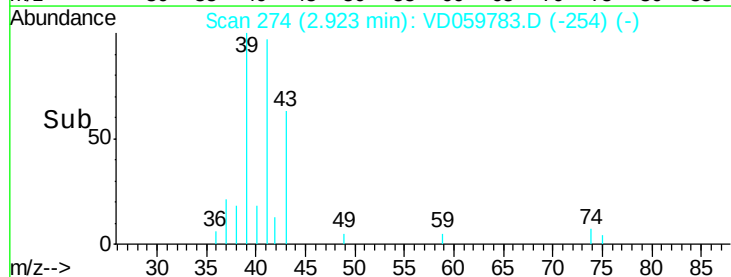
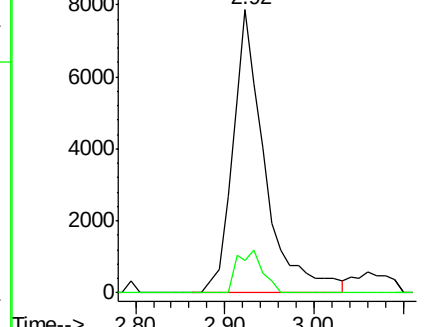
43 100

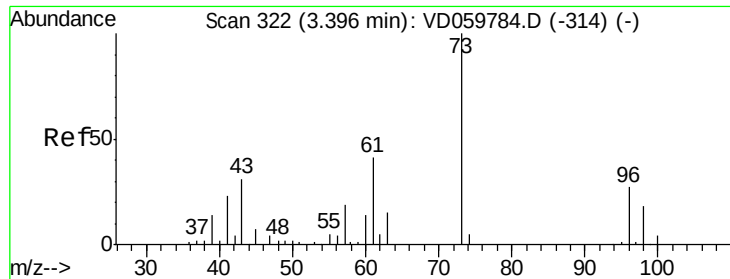
74 11.4 12.4 18.6#



Abundance Ion 42.95 (42.65 to 43.65): VD

Ion 74.00 (73.70 to 74.70): VD

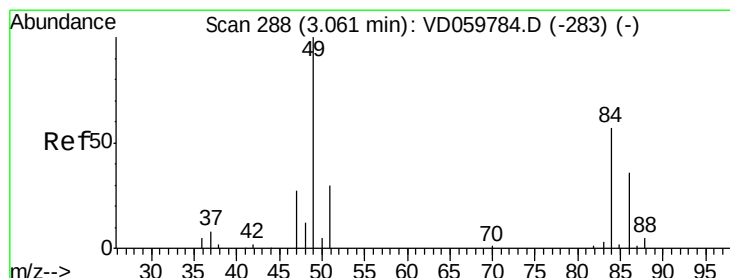
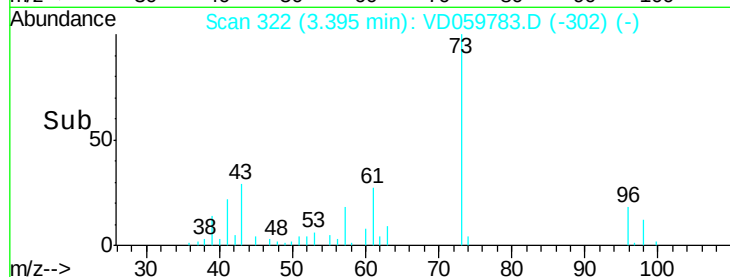
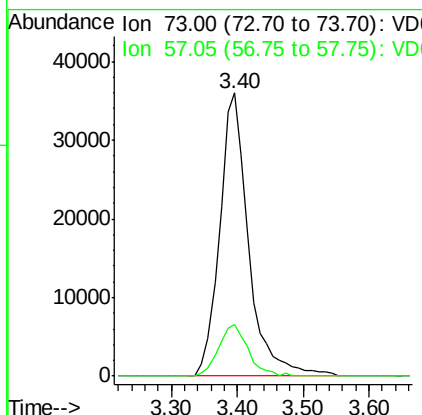
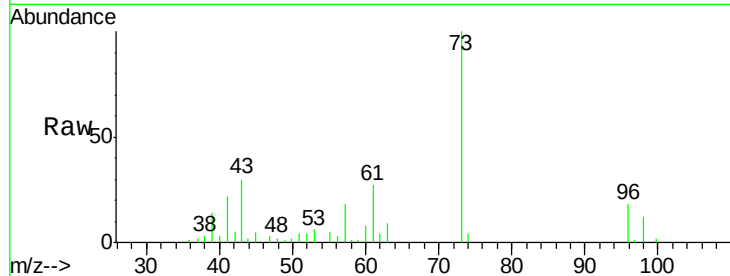




#19
Methyl tert-butyl Ether
Concen: 21.07 ug/l
RT: 3.40 min Scan# 322
Delta R.T. -0.00 min
Lab File: VD059783.D
Acq: 15 Aug 2018 00:23

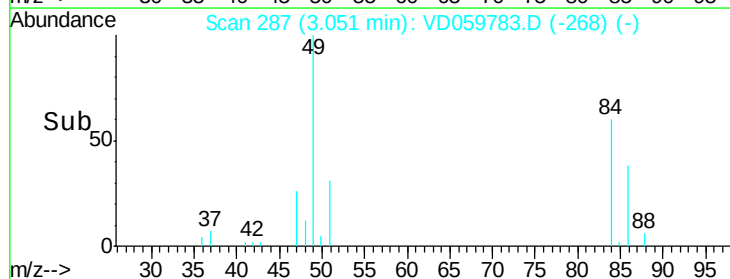
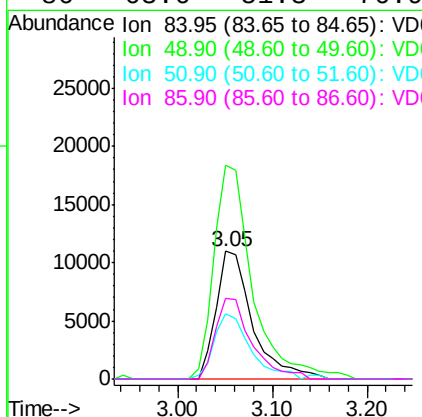
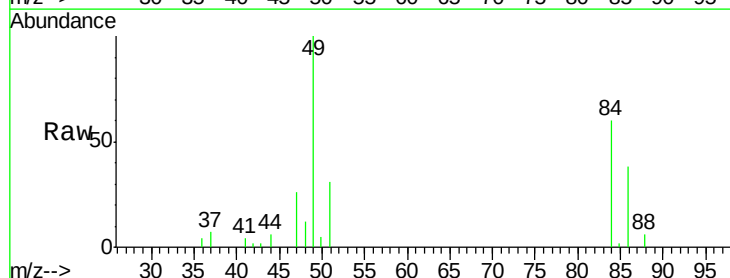
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

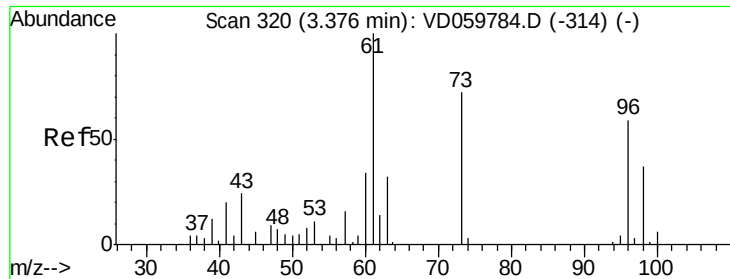
Tot Ion: 73 Resp: 109953
Ion Ratio Lower Upper
73 100
57 18.3 14.8 22.2



#20
Methylene Chloride
Concen: 17.26 ug/l
RT: 3.05 min Scan# 287
Delta R.T. -0.01 min
Lab File: VD059783.D
Acq: 15 Aug 2018 00:23

Tgt Ion: 84 Resp: 29412
Ion Ratio Lower Upper
84 100
49 167.5 140.9 211.3
51 51.1 42.8 64.2
86 63.6 51.3 76.9

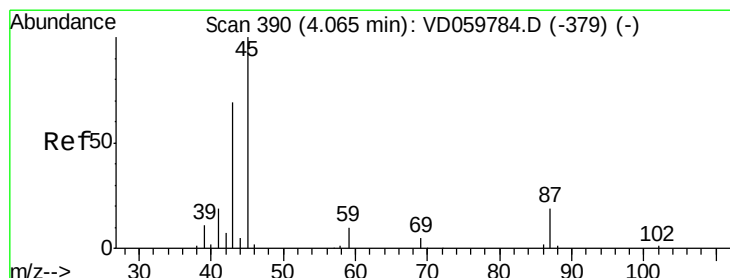
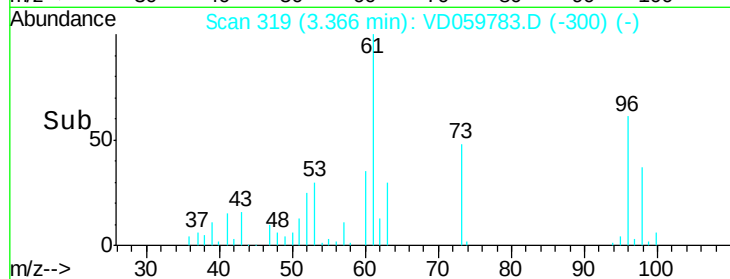
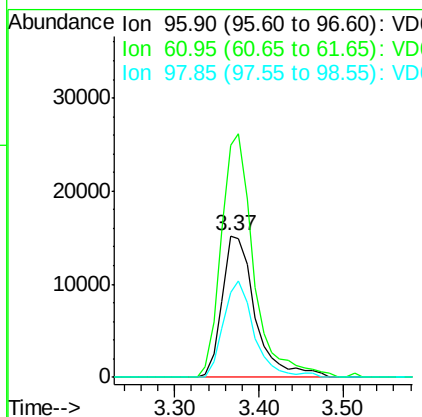
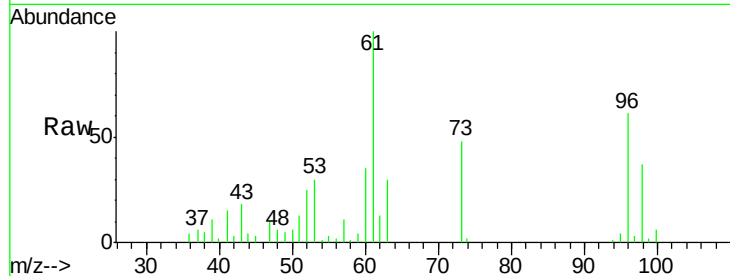




#21
trans-1,2-Dichloroethene
Concen: 23.22 ug/l
RT: 3.37 min Scan# 319
Delta R.T. -0.01 min
Lab File: VD059783.D
Acq: 15 Aug 2018 00:23

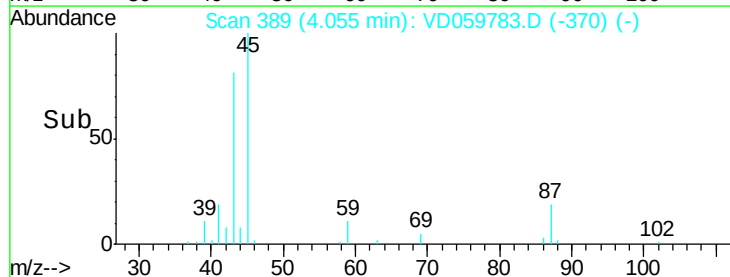
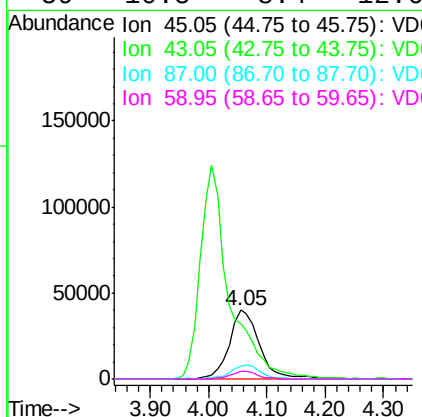
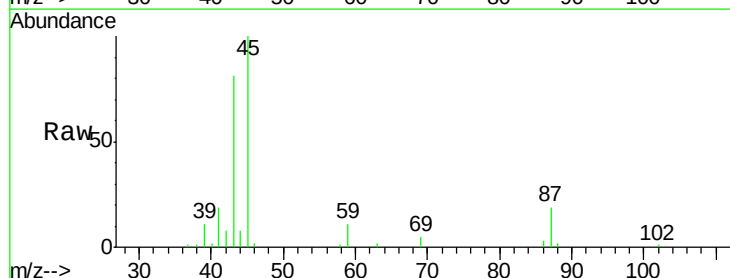
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

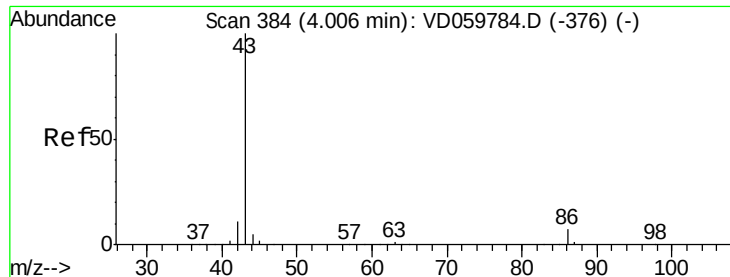
Tot Ion: 96 Resp: 41477
Ion Ratio Lower Upper
96 100
61 164.2 134.8 202.2
98 60.5 50.0 75.0



#22
Diisopropyl ether
Concen: 24.50 ug/l
RT: 4.05 min Scan# 389
Delta R.T. -0.01 min
Lab File: VD059783.D
Acq: 15 Aug 2018 00:23

Tgt Ion: 45 Resp: 144448
Ion Ratio Lower Upper
45 100
43 80.7 57.5 86.3
87 19.4 16.1 24.1
59 10.5 8.4 12.6





#23

Vinyl Acetate

Concen: 111.66 ug/l

RT: 4.01 min Scan# 384

Delta R.T. -0.00 min

Lab File: VD059783.D

Acq: 15 Aug 2018 00:23

Instrument :

MSVOA_D

ClientSampleID :

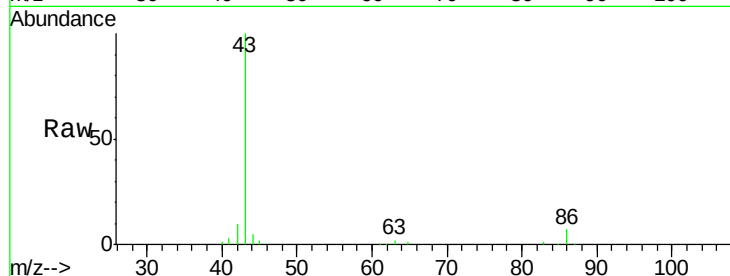
VSTDIC020

Tot Ion: 43 Resp: 428988

Ion Ratio Lower Upper

43 100

86 7.2 5.4 8.0



Abundance Ion 42.95 (42.65 to 43.65): VD

Ion 86.00 (85.70 to 86.70): VD

4.01

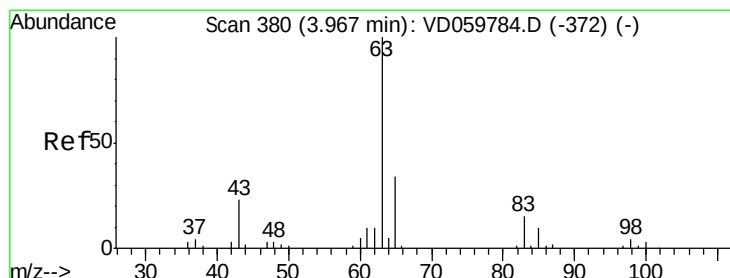
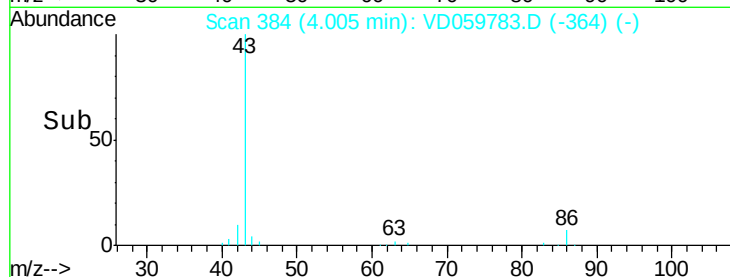
100000

50000

0

Time-->

3.90 4.00 4.10 4.20



#24

1,1-Dichloroethane

Concen: 20.81 ug/l

RT: 3.96 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD059783.D

Acq: 15 Aug 2018 00:23

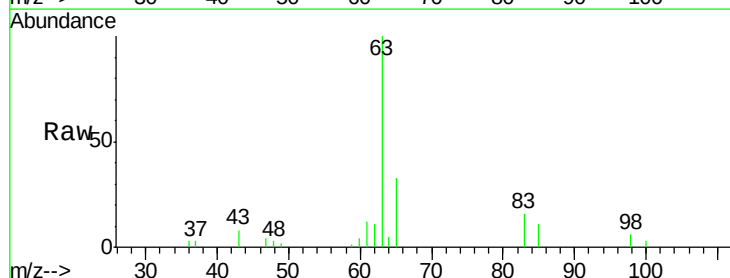
Tgt Ion: 63 Resp: 86972

Ion Ratio Lower Upper

63 100

98 5.6 2.2 6.6

100 2.9 1.6 4.7



Abundance Ion 62.95 (62.65 to 63.65): VD

Ion 97.95 (97.65 to 98.65): VD

Ion 99.95 (99.65 to 100.65): VD

3.96

30000

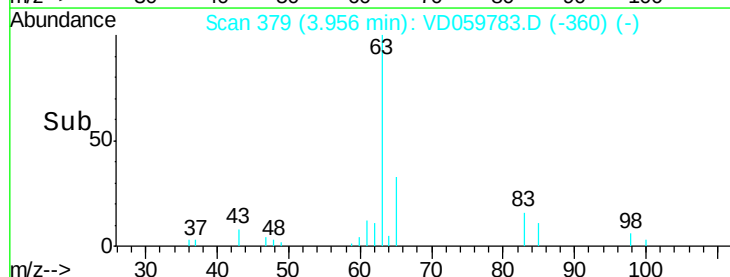
20000

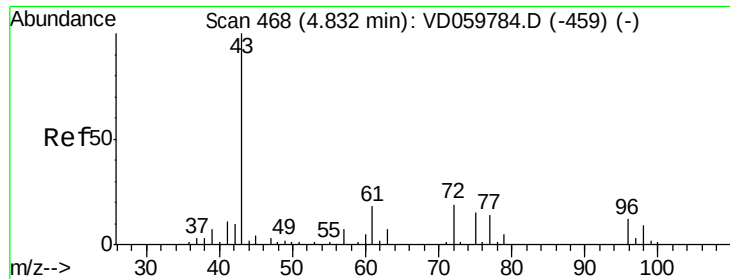
10000

0

Time-->

3.80 3.90 4.00 4.10 4.20





#25

2-Butanone

Concen: 101.97 ug/l

RT: 4.82 min Scan# 467

Delta R.T. -0.01 min

Lab File: VD059783.D

Acq: 15 Aug 2018 00:23

Instrument :

MSVOA_D

ClientSampleId :

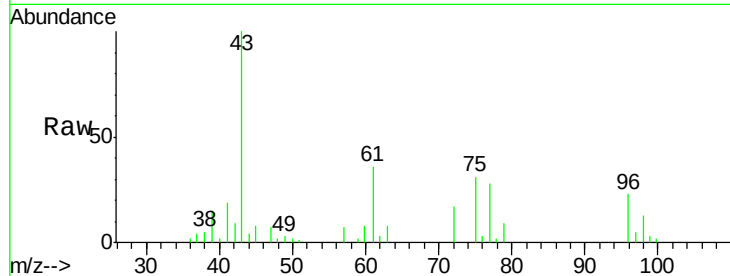
VSTDIC020

Tot Ion: 43 Resp: 67793

Ion Ratio Lower Upper

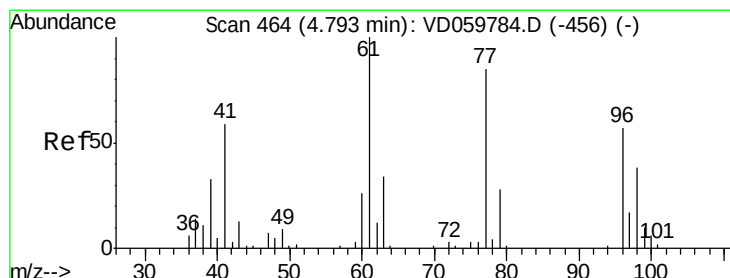
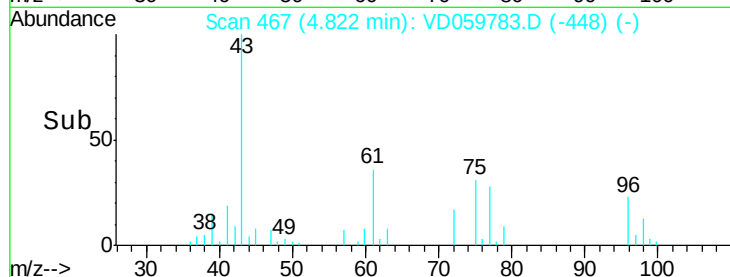
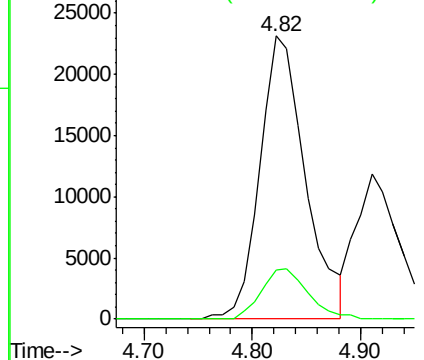
43 100

72 17.1 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: 17.32 ug/l

RT: 4.78 min Scan# 463

Delta R.T. -0.01 min

Lab File: VD059783.D

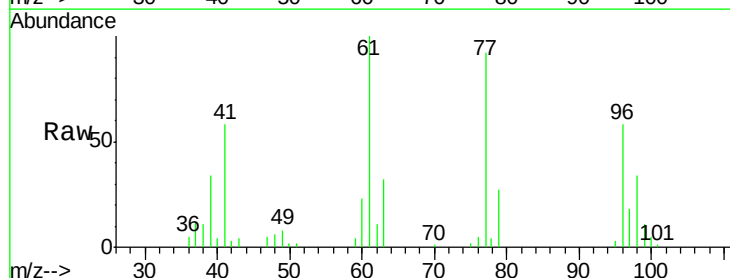
Acq: 15 Aug 2018 00:23

Tgt Ion: 77 Resp: 81367

Ion Ratio Lower Upper

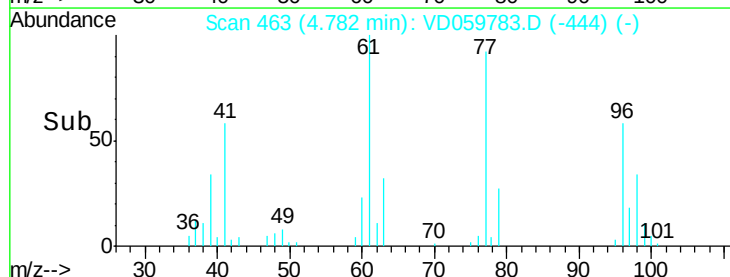
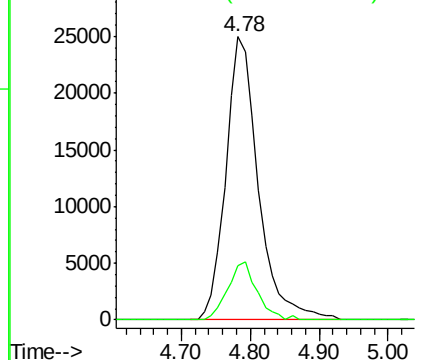
77 100

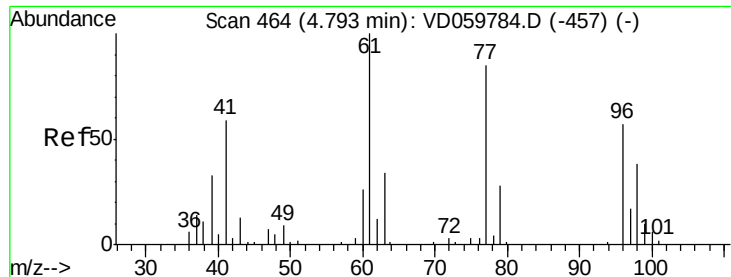
97 19.1 10.3 30.8



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: 22.73 ug/l

RT: 4.79 min Scan# 464

Delta R.T. -0.00 min

Lab File: VD059783.D

Acq: 15 Aug 2018 00:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

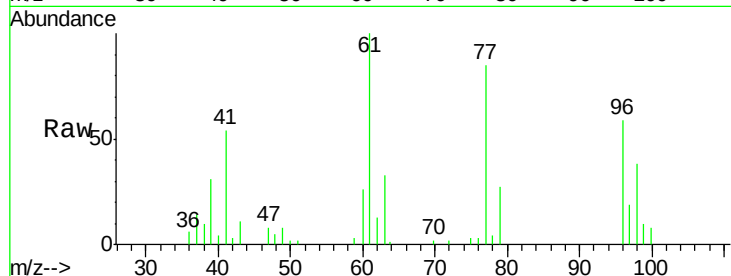
Tot Ion: 96 Resp: 47986

Ion Ratio Lower Upper

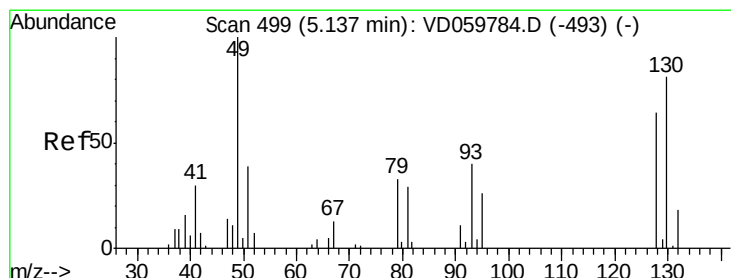
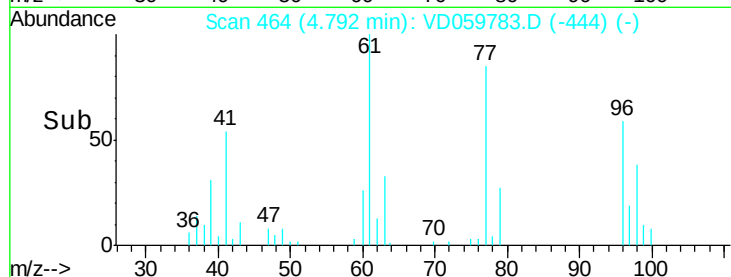
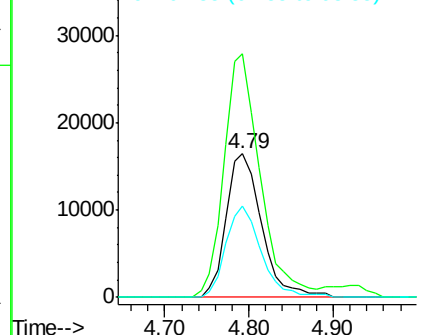
96 100

61 169.6 0.0 351.6

98 63.7 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: 22.14 ug/l

RT: 5.14 min Scan# 499

Delta R.T. -0.00 min

Lab File: VD059783.D

Acq: 15 Aug 2018 00:23

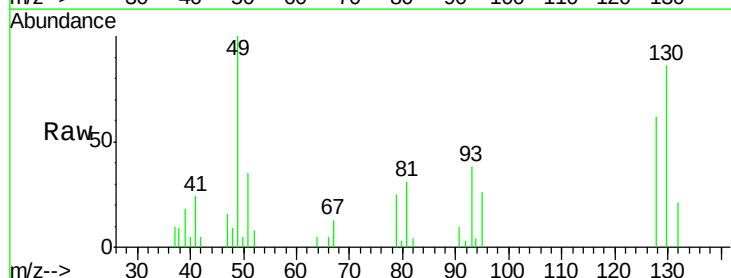
Tgt Ion: 49 Resp: 33699

Ion Ratio Lower Upper

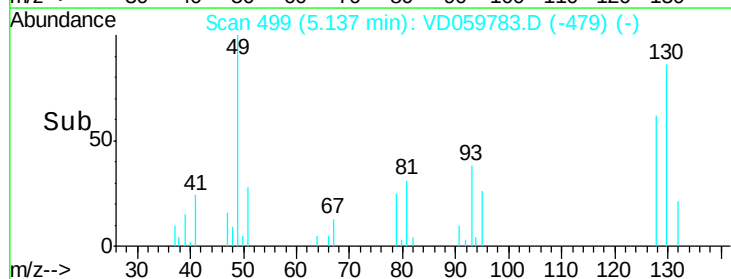
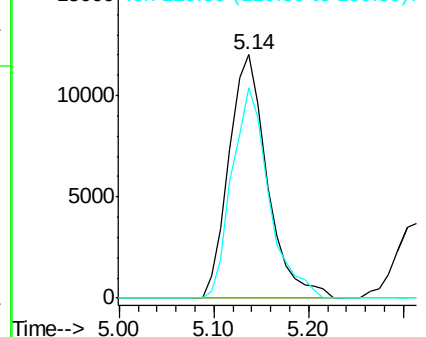
49 100

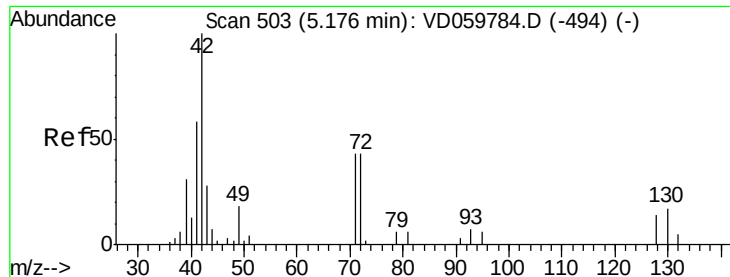
129 0.0 0.0 7.0

130 86.4 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):

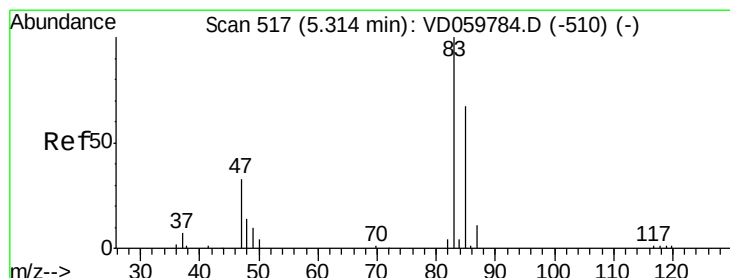
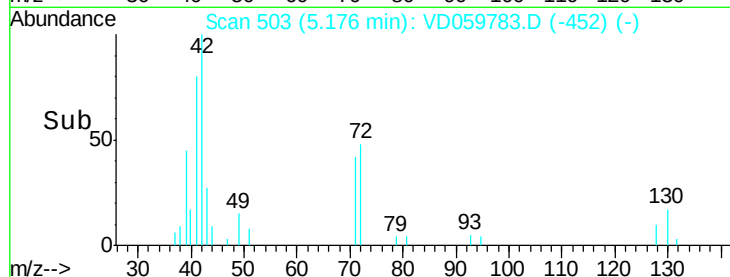
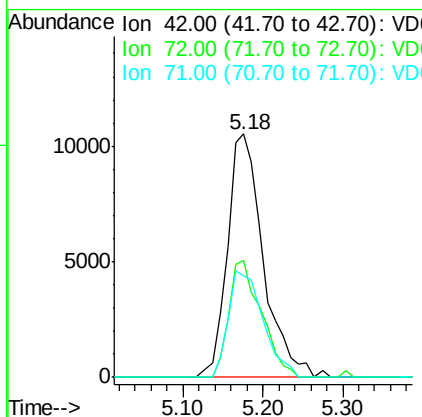
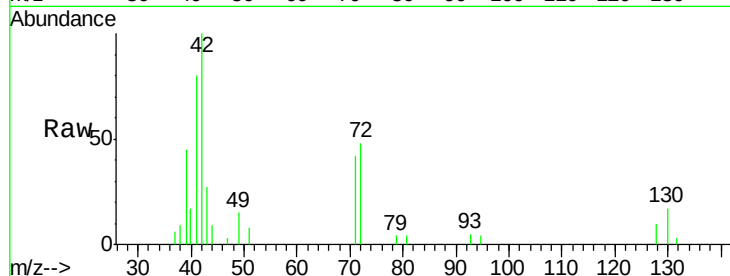




#29
Tetrahydrofuran
Concen: 130.60 ug/l
RT: 5.18 min Scan# 503
Delta R.T. -0.00 min
Lab File: VD059783.D
Acq: 15 Aug 2018 00:23

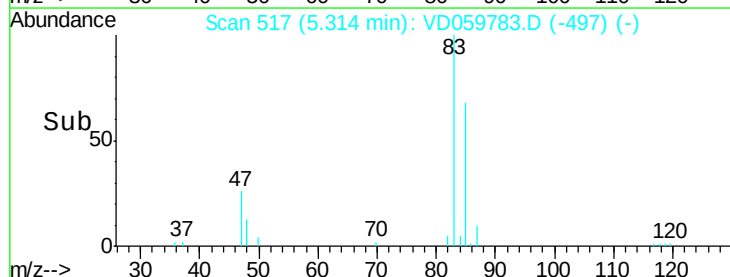
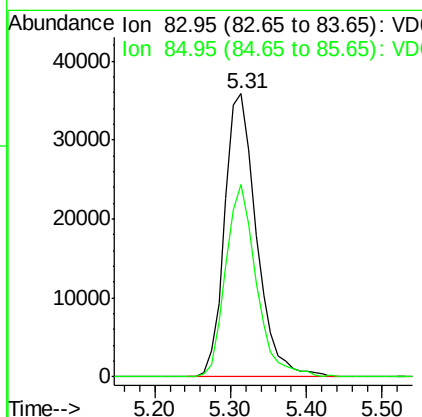
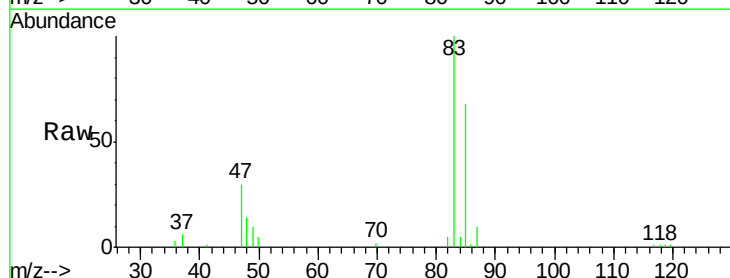
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

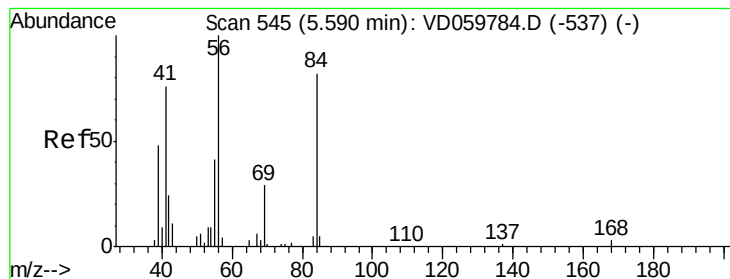
Tot Ion: 42 Resp: 33106
Ion Ratio Lower Upper
42 100
72 43.2 34.3 51.5
71 42.2 33.0 49.6



#30
Chloroform
Concen: 19.27 ug/l
RT: 5.31 min Scan# 517
Delta R.T. -0.00 min
Lab File: VD059783.D
Acq: 15 Aug 2018 00:23

Tgt Ion: 83 Resp: 104445
Ion Ratio Lower Upper
83 100
85 68.0 53.4 80.2





#31

Cyclohexane

Concen: 21.87 ug/l

RT: 5.58 min Scan# 544

Delta R.T. -0.01 min

Lab File: VD059783.D

Acq: 15 Aug 2018 00:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

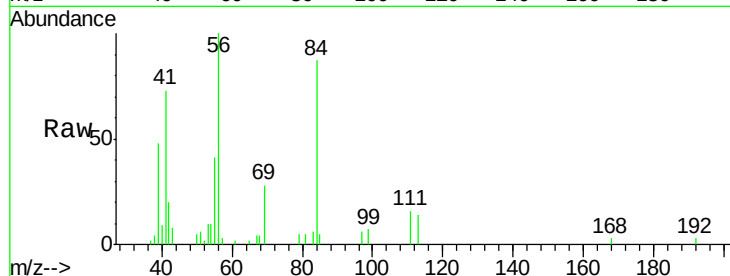
Tot Ion: 56 Resp: 54645

Ion Ratio Lower Upper

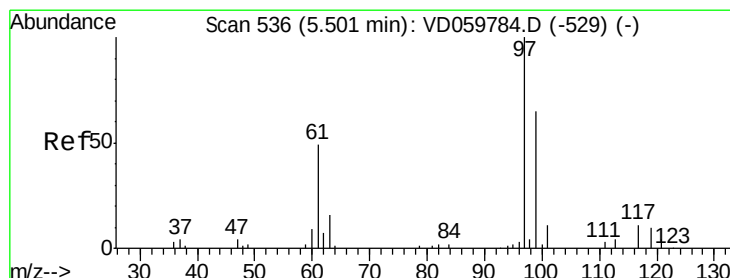
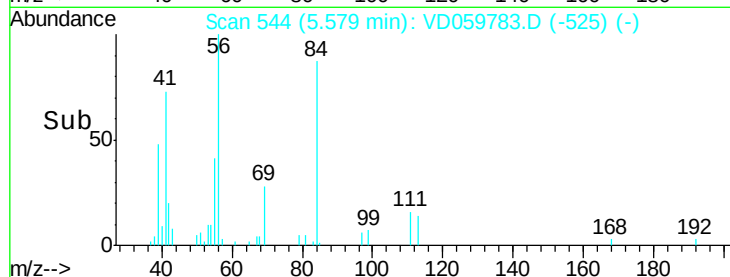
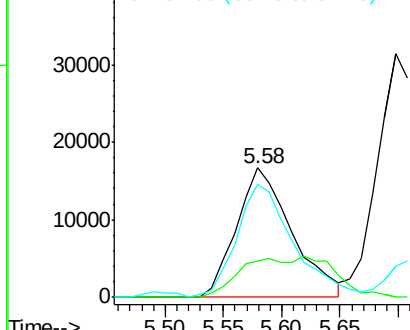
56 100

69 28.5 23.4 35.2

84 87.0 65.4 98.2



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



#32

1,1,1-Trichloroethane

Concen: 16.66 ug/l

RT: 5.50 min Scan# 536

Delta R.T. -0.00 min

Lab File: VD059783.D

Acq: 15 Aug 2018 00:23

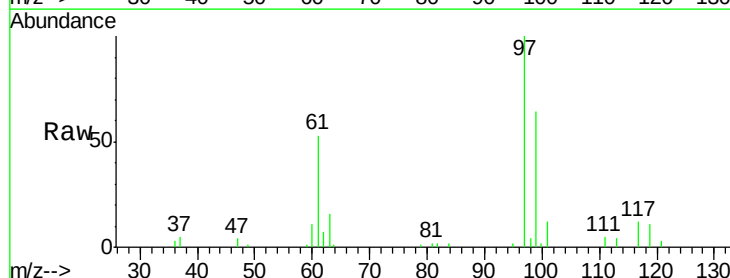
Tgt Ion: 97 Resp: 91220

Ion Ratio Lower Upper

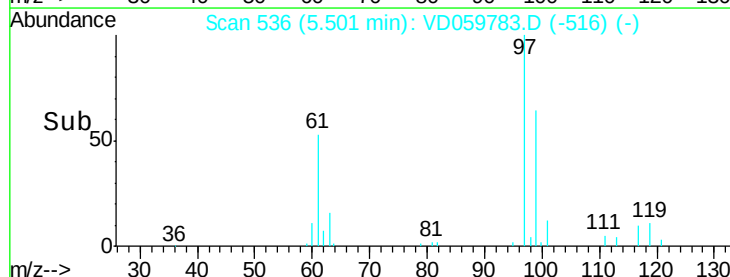
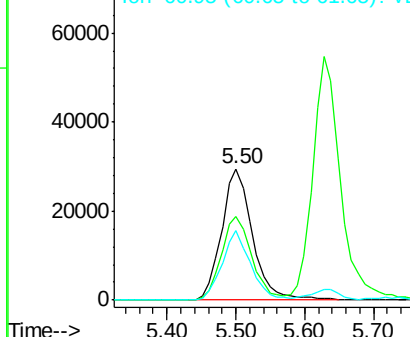
97 100

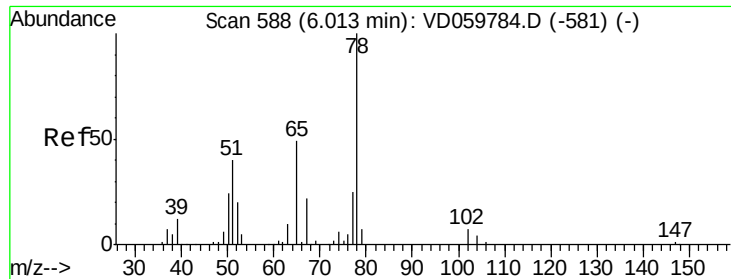
99 64.1 52.2 78.2

61 52.7 39.6 59.4



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

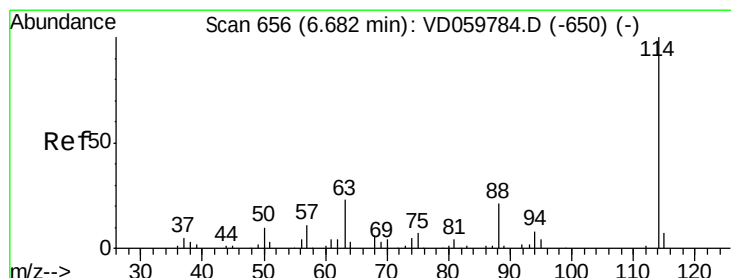
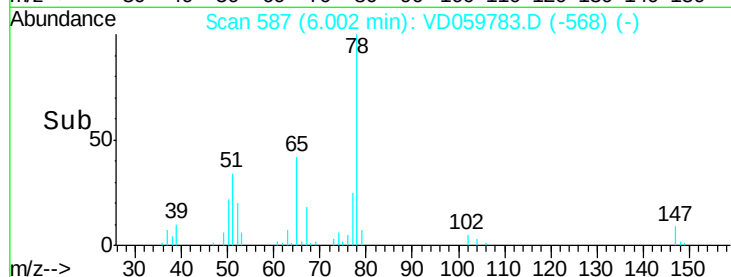
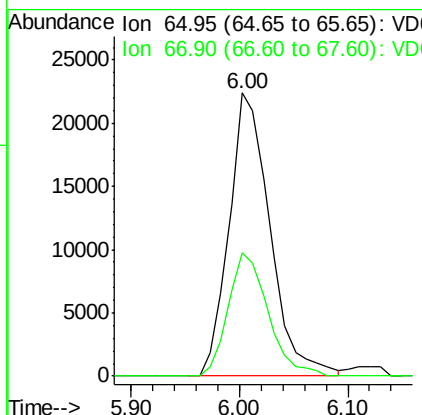
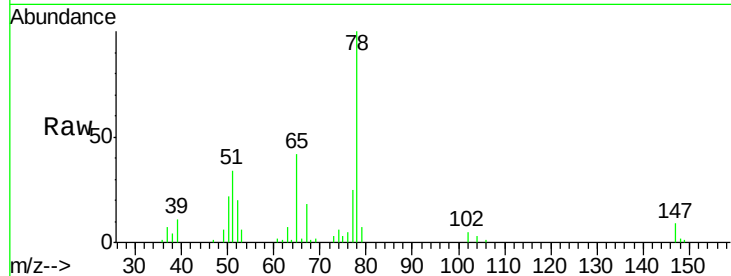




#33
 1,2-Dichloroethane-d4
 Concen: 16.66 ug/l
 RT: 6.00 min Scan# 587
 Delta R.T. -0.01 min
 Lab File: VD059783.D
 Acq: 15 Aug 2018 00:23

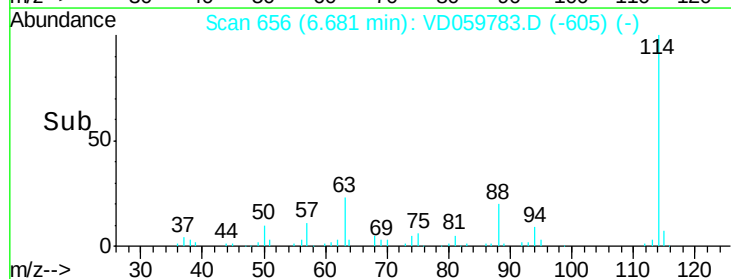
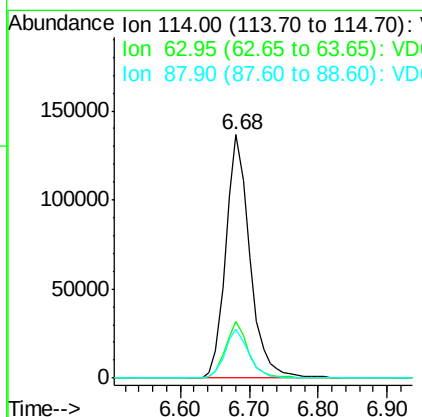
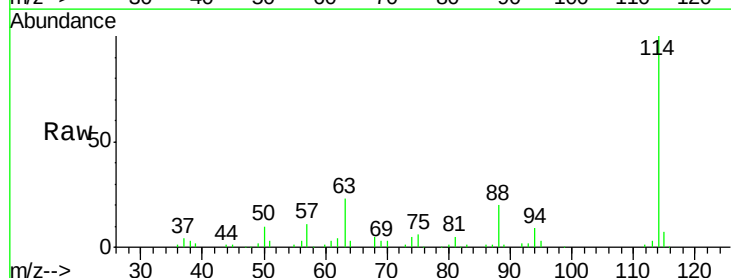
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

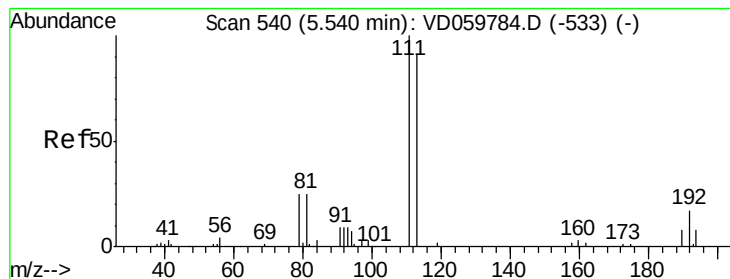
Tot Ion: 65 Resp: 58918
 Ion Ratio Lower Upper
 65 100
 67 43.5 0.0 87.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.68 min Scan# 656
 Delta R.T. -0.00 min
 Lab File: VD059783.D
 Acq: 15 Aug 2018 00:23

Tgt Ion: 114 Resp: 330699
 Ion Ratio Lower Upper
 114 100
 63 23.1 0.0 45.0
 88 20.4 0.0 41.2





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.54 min Scan# 540

Delta R.T. -0.00 min

Lab File: VD059783.D

Acq: 15 Aug 2018 00:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

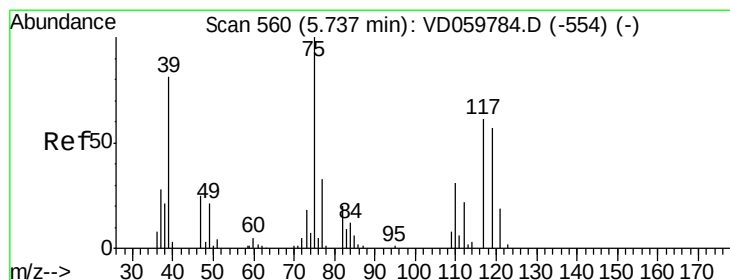
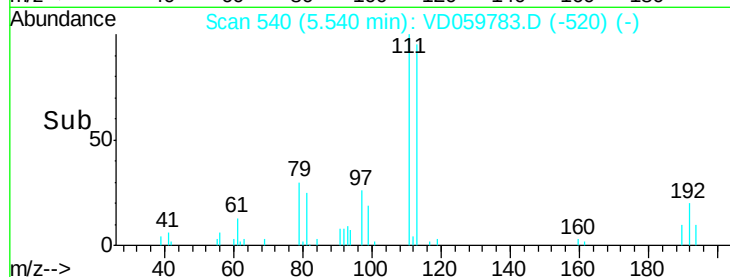
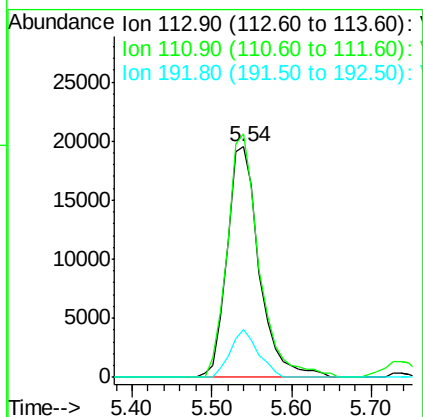
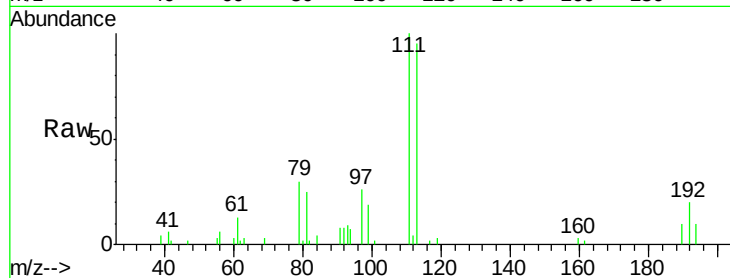
Tot Ion:113 Resp: 55014

Ion Ratio Lower Upper

113 100

111 105.7 87.7 131.5

192 20.9 14.6 21.8



#36

1,1-Dichloropropene

Concen: 17.90 ug/l

RT: 5.74 min Scan# 560

Delta R.T. -0.00 min

Lab File: VD059783.D

Acq: 15 Aug 2018 00:23

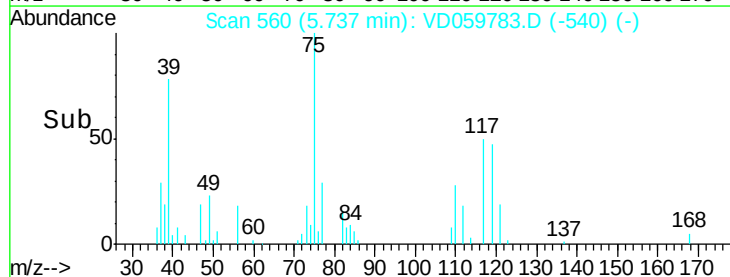
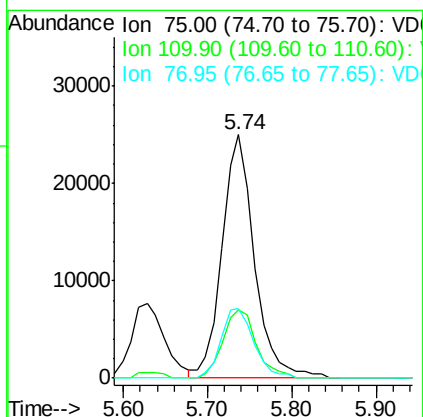
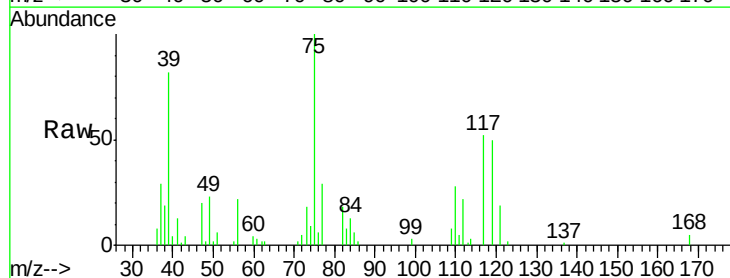
Tgt Ion: 75 Resp: 66711

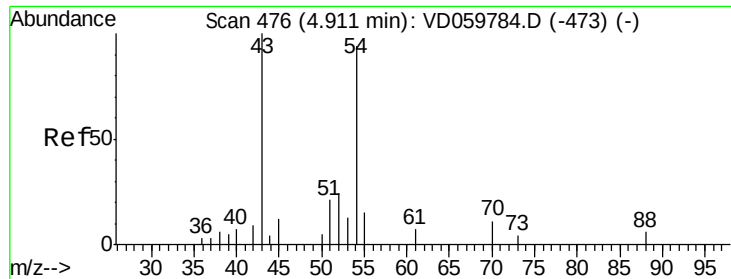
Ion Ratio Lower Upper

75 100

110 28.0 15.3 45.8

77 28.8 26.2 39.4

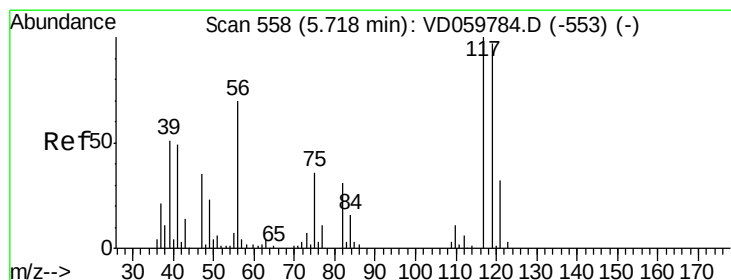
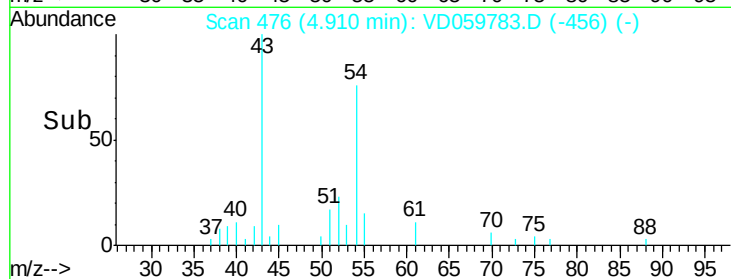
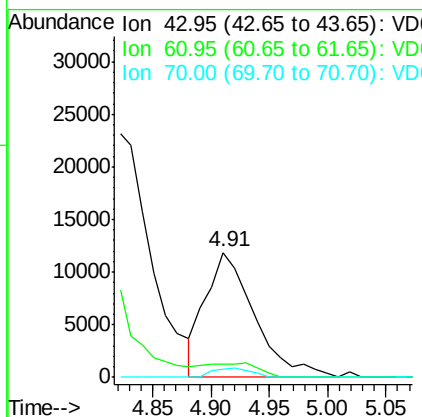
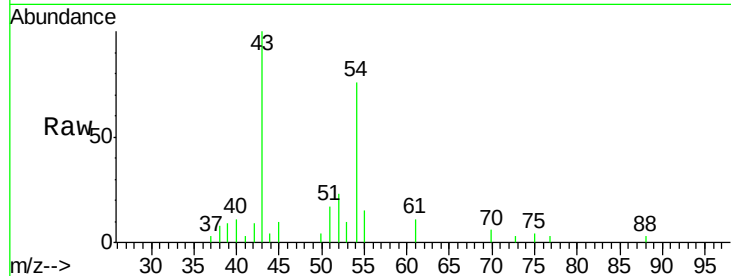




#37
Ethyl Acetate
Concen: 20.81 ug/l
RT: 4.91 min Scan# 476
Delta R.T. -0.00 min
Lab File: VD059783.D
Acq: 15 Aug 2018 00:23

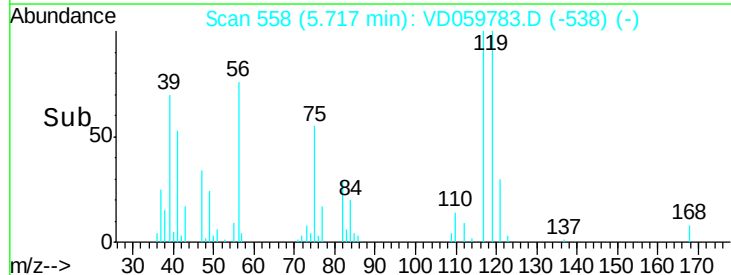
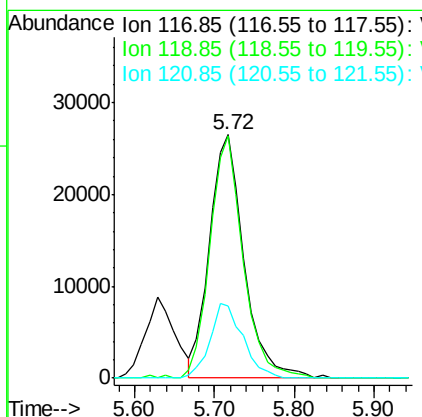
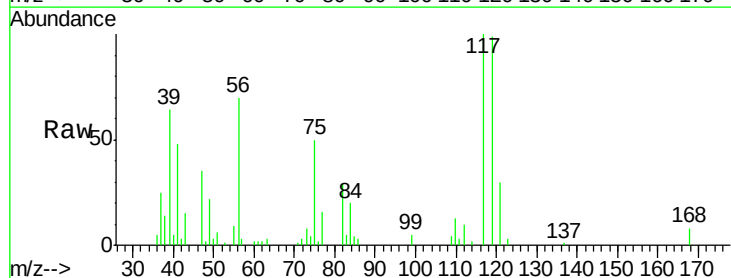
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

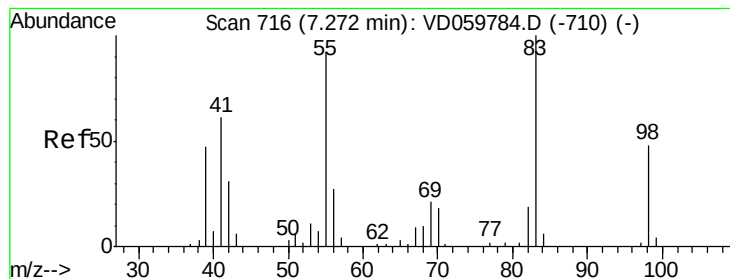
Tot Ion: 43 Resp: 34487
Ion Ratio Lower Upper
43 100
61 10.7 10.2 15.2
70 6.5 5.8 8.8



#38
Carbon Tetrachloride
Concen: 14.16 ug/l
RT: 5.72 min Scan# 558
Delta R.T. -0.00 min
Lab File: VD059783.D
Acq: 15 Aug 2018 00:23

Tgt Ion: 117 Resp: 80218
Ion Ratio Lower Upper
117 100
119 99.5 75.7 113.5
121 29.5 24.7 37.1





#39

Methylvlcyclohexane

Concen: 19.13 ug/l

RT: 7.28 min Scan# 717

Delta R.T. 0.01 min

Lab File: VD059783.D

Acq: 15 Aug 2018 00:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

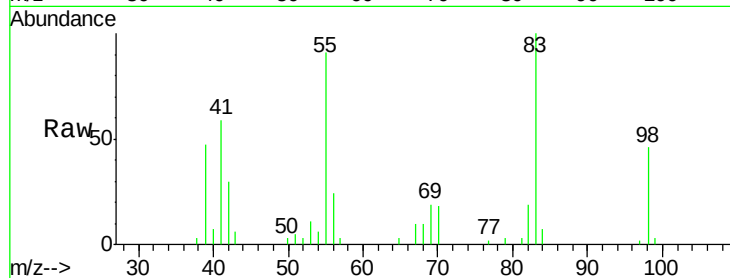
Tot Ion: 83 Resp: 54621

Ion Ratio Lower Upper

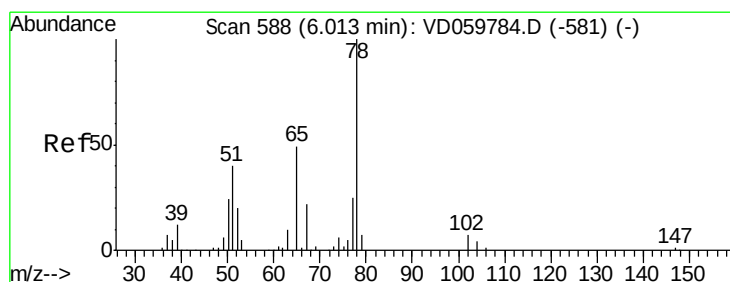
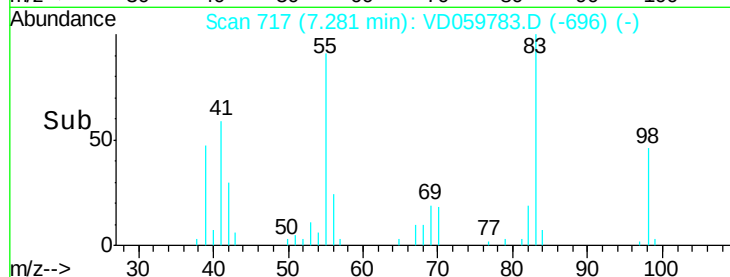
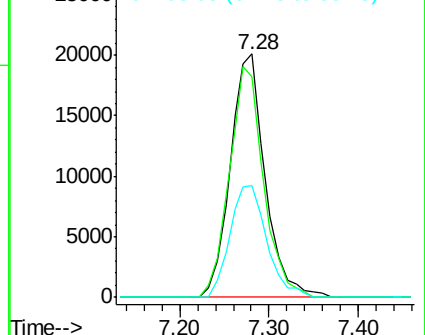
83 100

55 90.7 73.8 110.6

98 46.1 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: 20.87 ug/l

RT: 6.00 min Scan# 587

Delta R.T. -0.01 min

Lab File: VD059783.D

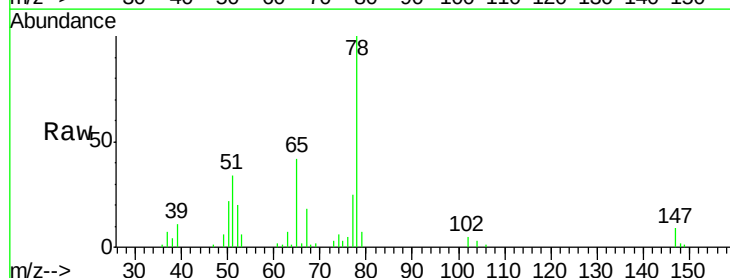
Acq: 15 Aug 2018 00:23

Tgt Ion: 78 Resp: 140966

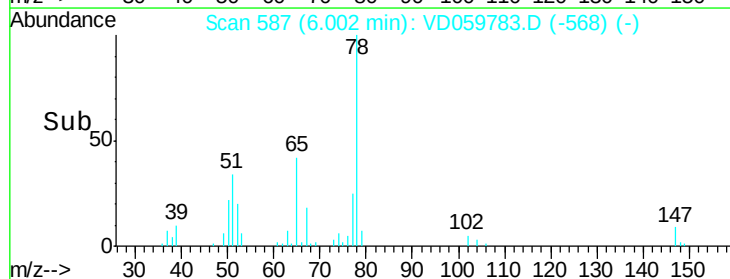
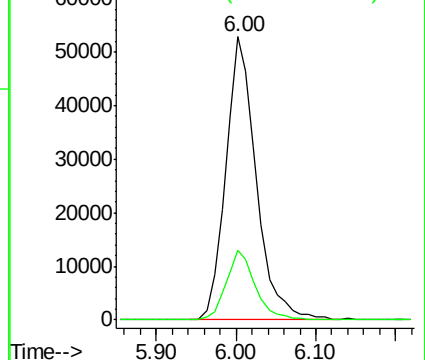
Ion Ratio Lower Upper

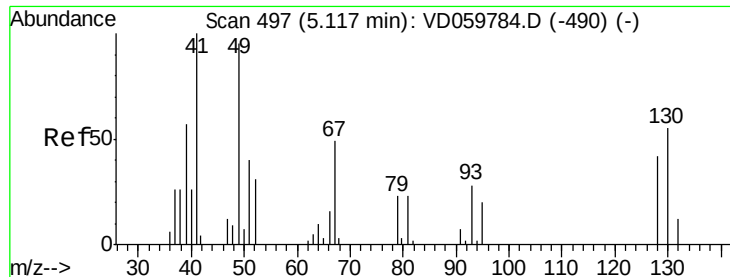
78 100

77 24.5 19.6 29.4



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

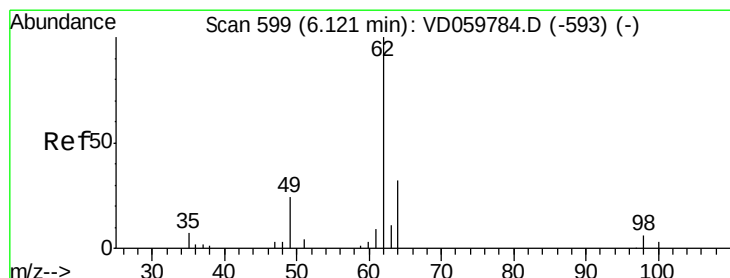
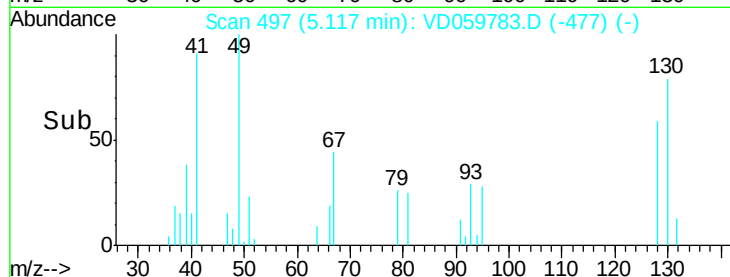
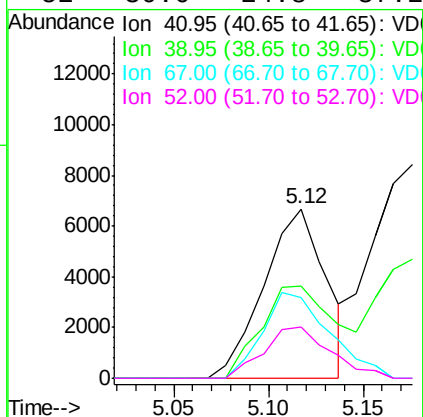
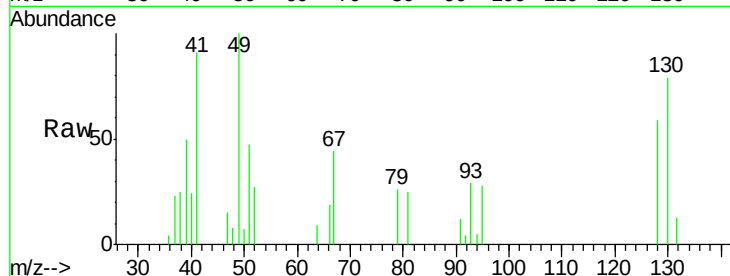




#41
Methacrylonitrile
Concen: 18.91 ug/l
RT: 5.12 min Scan# 497
Delta R.T. -0.00 min
Lab File: VD059783.D
Acq: 15 Aug 2018 00:23

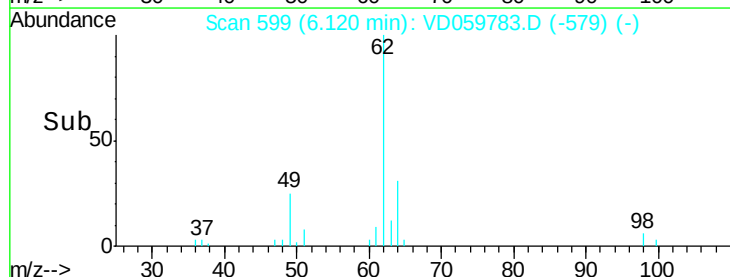
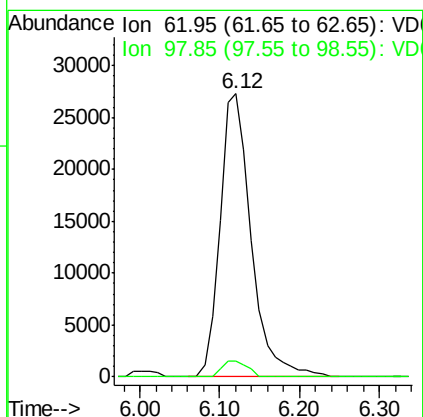
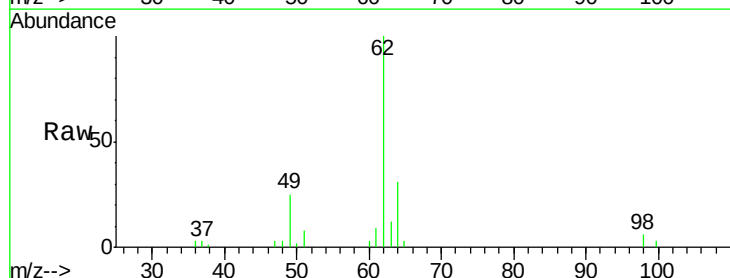
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

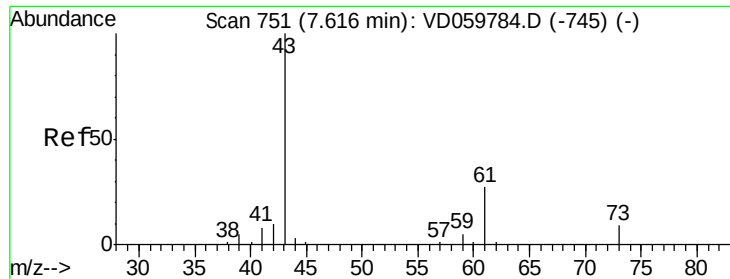
Tot Ion:	41	Resp:	15257
Ion	Ratio	Lower	Upper
41	100		
39	54.4	45.4	68.2
67	47.7	39.5	59.3
52	30.0	24.8	37.2



#42
1,2-Dichloroethane
Concen: 14.99 ug/l
RT: 6.12 min Scan# 599
Delta R.T. -0.00 min
Lab File: VD059783.D
Acq: 15 Aug 2018 00:23

Tgt Ion:	62	Resp:	74718
Ion	Ratio	Lower	Upper
62	100		
98	5.6	0.0	12.0





#43

Isopropyl Acetate

Concen: 19.74 ug/l

RT: 7.61 min Scan# 750

Delta R.T. -0.01 min

Lab File: VD059783.D

Acq: 15 Aug 2018 00:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

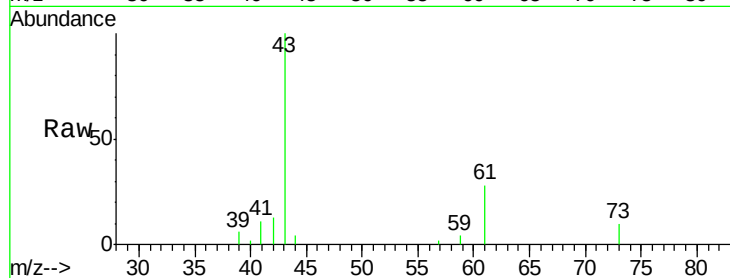
Tot Ion: 43 Resp: 41547

Ion Ratio Lower Upper

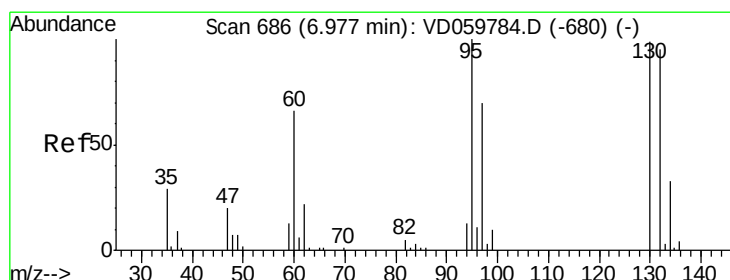
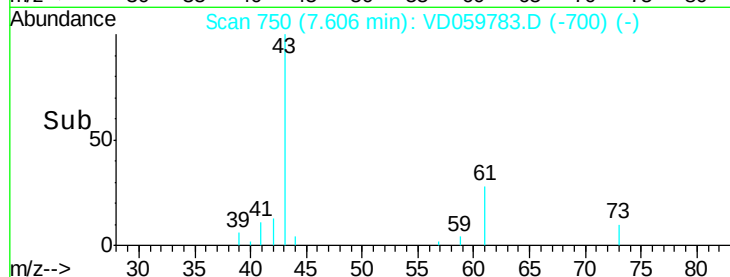
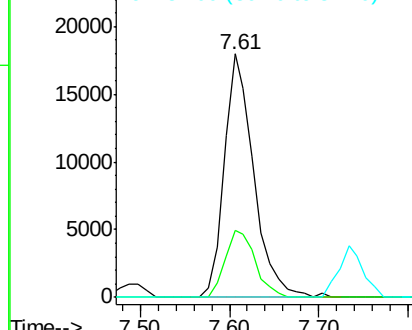
43 100

61 27.5 21.2 31.8

87 0.0 0.0 0.0



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



#44

Trichloroethene

Concen: 18.43 ug/l

RT: 6.98 min Scan# 686

Delta R.T. -0.00 min

Lab File: VD059783.D

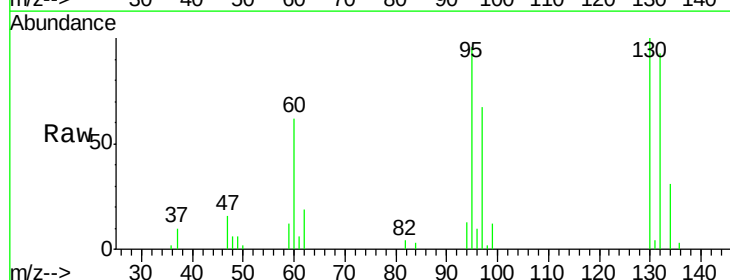
Acq: 15 Aug 2018 00:23

Tgt Ion:130 Resp: 48347

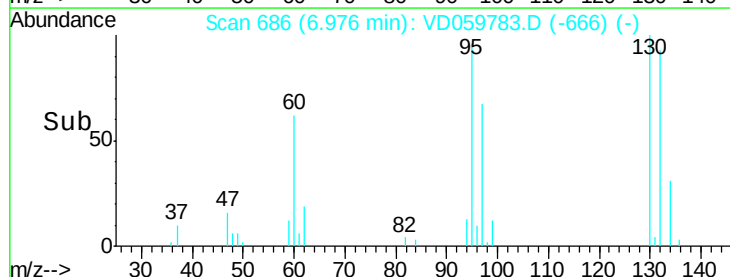
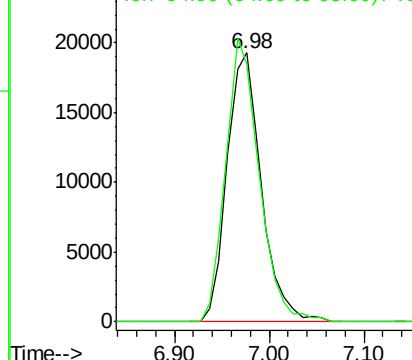
Ion Ratio Lower Upper

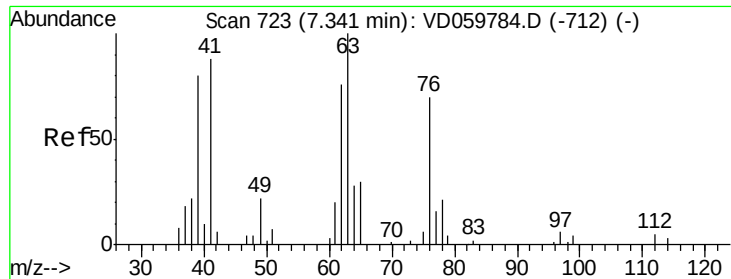
130 100

95 95.6 0.0 201.2



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

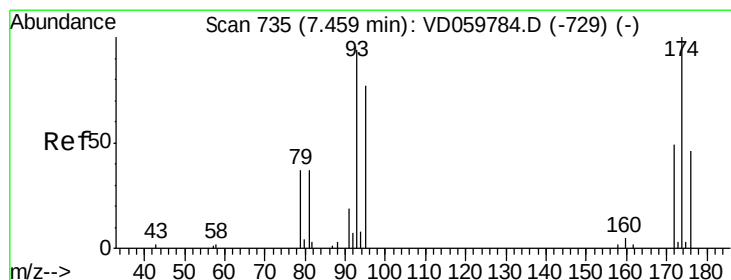
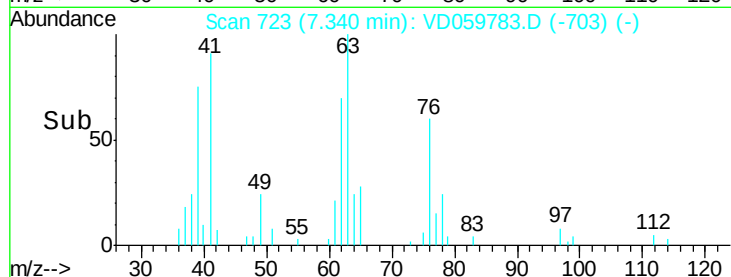
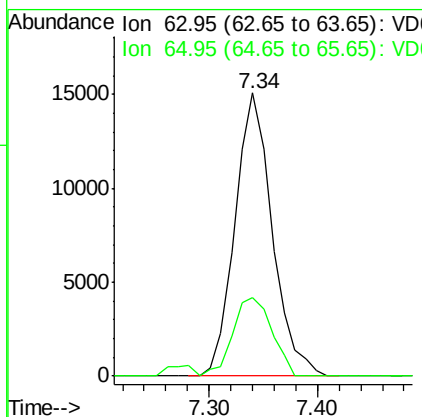
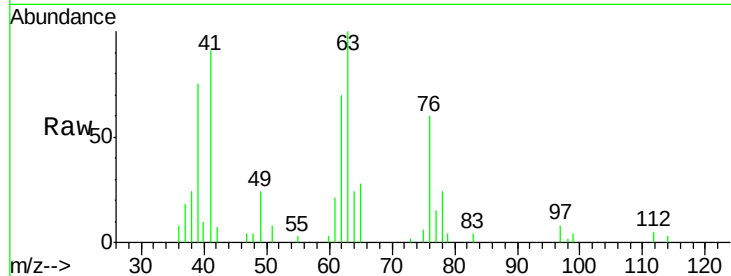




#45
 1,2-Dichloropropane
 Concen: 20.75 ug/l
 RT: 7.34 min Scan# 723
 Delta R.T. -0.00 min
 Lab File: VD059783.D
 Acq: 15 Aug 2018 00:23

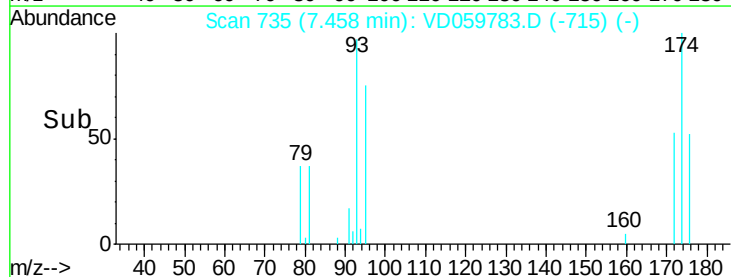
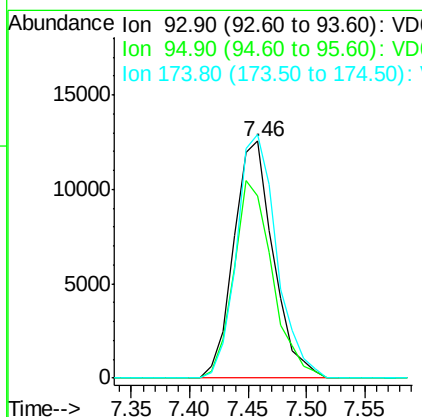
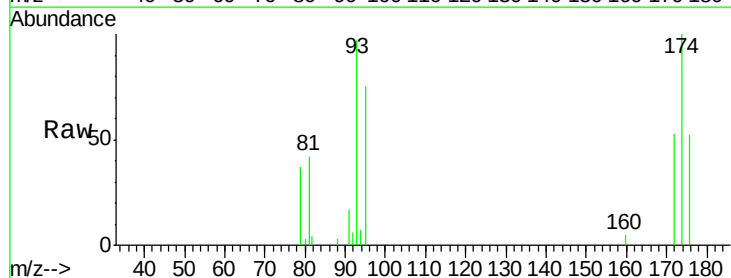
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

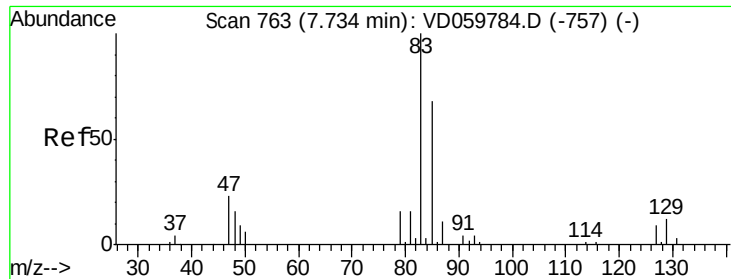
Tot Ion: 63 Resp: 36148
 Ion Ratio Lower Upper
 63 100
 65 27.7 24.2 36.4



#46
 Dibromomethane
 Concen: 16.95 ug/l
 RT: 7.46 min Scan# 735
 Delta R.T. -0.00 min
 Lab File: VD059783.D
 Acq: 15 Aug 2018 00:23

Tgt Ion: 93 Resp: 29470
 Ion Ratio Lower Upper
 93 100
 95 76.7 66.2 99.4
 174 102.7 85.5 128.3





#47

Bromodichloromethane

Concen: 16.32 ug/l

RT: 7.73 min Scan# 763

Delta R.T. -0.00 min

Lab File: VD059783.D

Acq: 15 Aug 2018 00:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

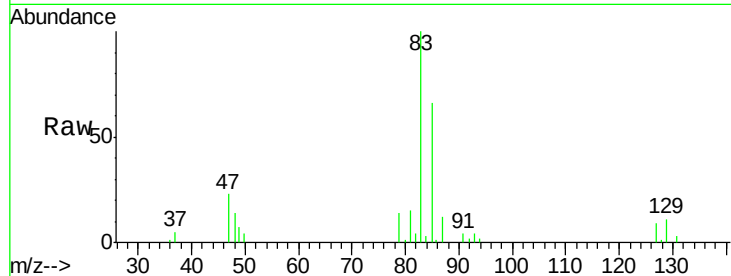
Tot Ion: 83 Resp: 74285

Ion Ratio Lower Upper

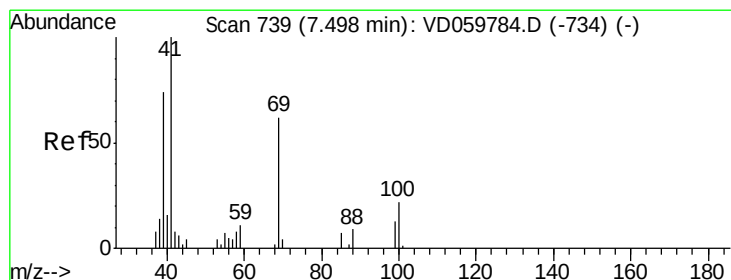
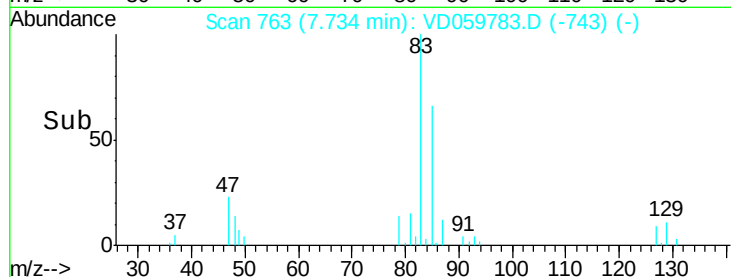
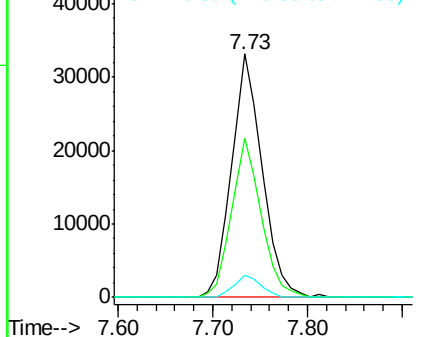
83 100

85 65.5 54.1 81.1

127 9.2 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: 18.99 ug/l

RT: 7.50 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD059783.D

Acq: 15 Aug 2018 00:23

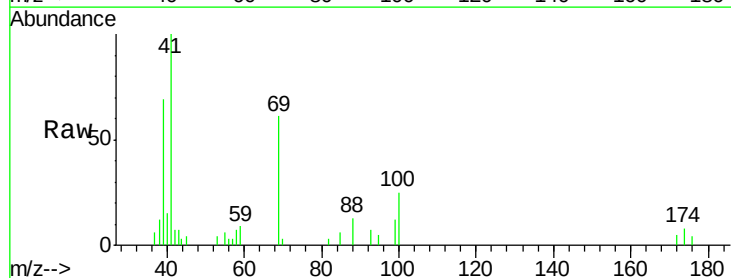
Tgt Ion: 41 Resp: 28682

Ion Ratio Lower Upper

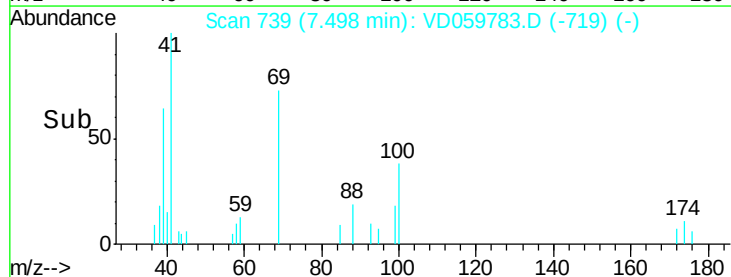
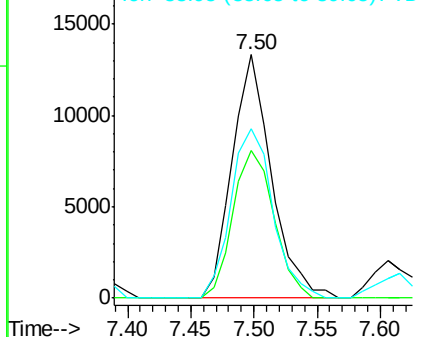
41 100

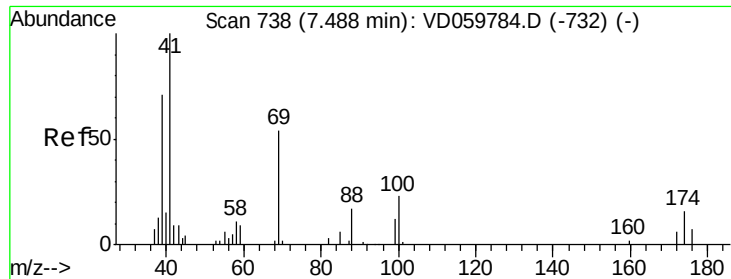
69 60.5 49.8 74.8

39 69.5 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: 527.87 ug/l

RT: 7.49 min Scan# 738

Delta R.T. -0.00 min

Lab File: VD059783.D

Acq: 15 Aug 2018 00:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

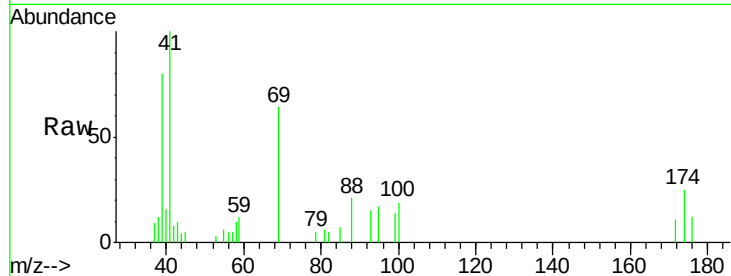
Tot Ion: 88 Resp: 5678

Ion Ratio Lower Upper

88 100

43 45.8 42.0 63.0

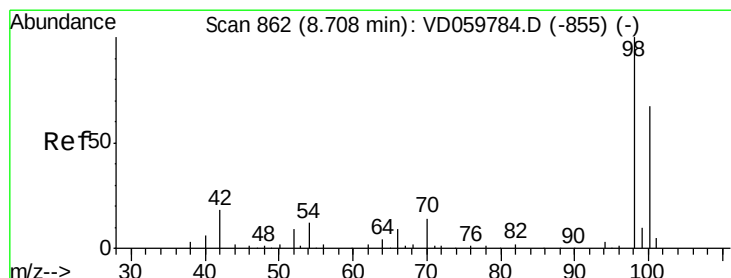
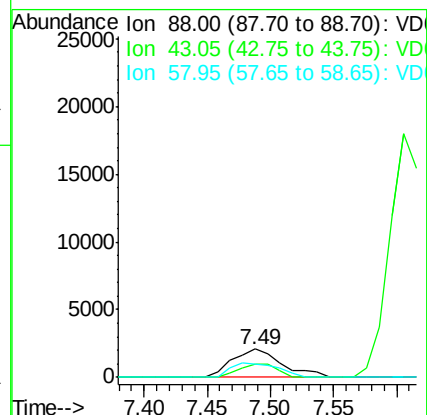
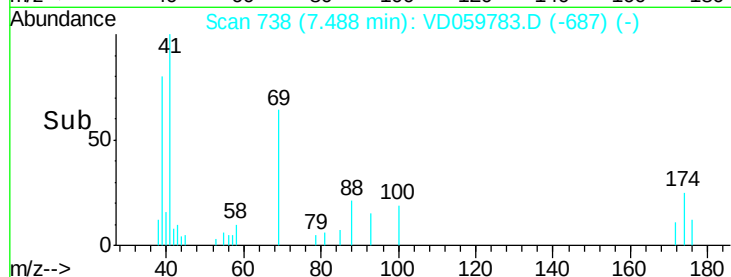
58 48.7 51.4 77.0#



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: 527.87 ug/l

RT: 8.70 min Scan# 861

Delta R.T. -0.01 min

Lab File: VD059783.D

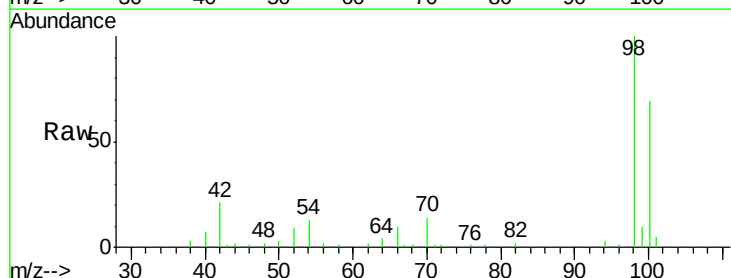
Acq: 15 Aug 2018 00:23

Tgt Ion: 98 Resp: 123868

Ion Ratio Lower Upper

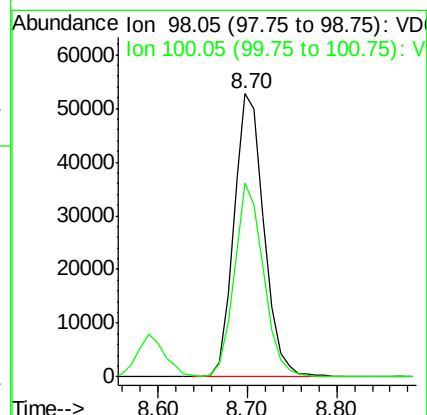
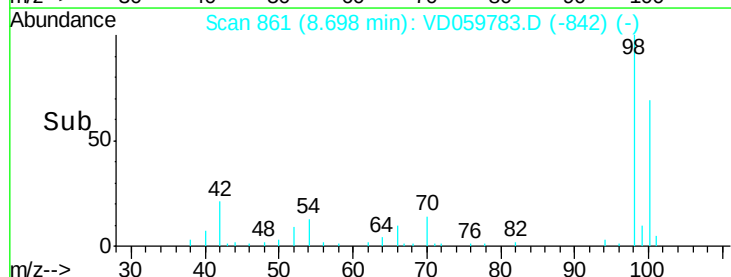
98 100

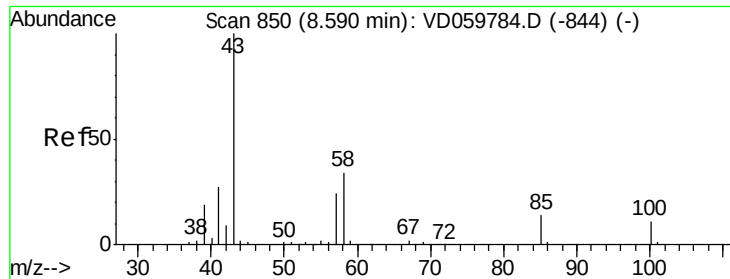
100 68.5 54.2 81.4



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: 94.17 ug/l

RT: 8.59 min Scan# 850

Delta R.T. -0.00 min

Lab File: VD059783.D

Acq: 15 Aug 2018 00:23

Instrument :

MSVOA_D

ClientSampleId :

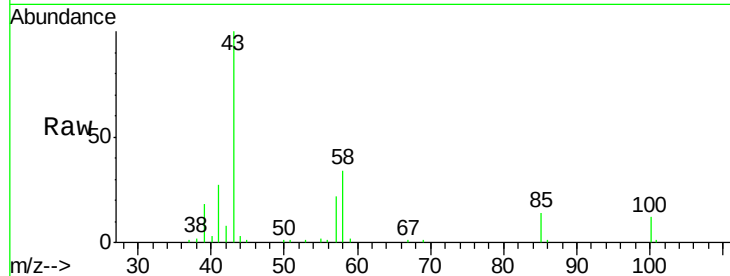
VSTDIC020

Tot Ion: 43 Resp: 152514

Ion Ratio Lower Upper

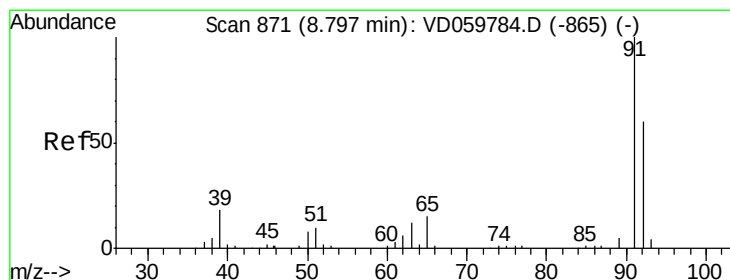
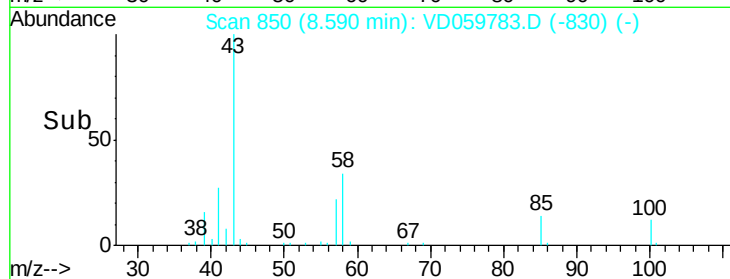
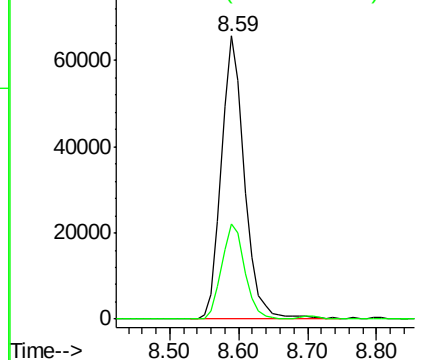
43 100

58 33.5 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: 20.74 ug/l

RT: 8.80 min Scan# 871

Delta R.T. -0.00 min

Lab File: VD059783.D

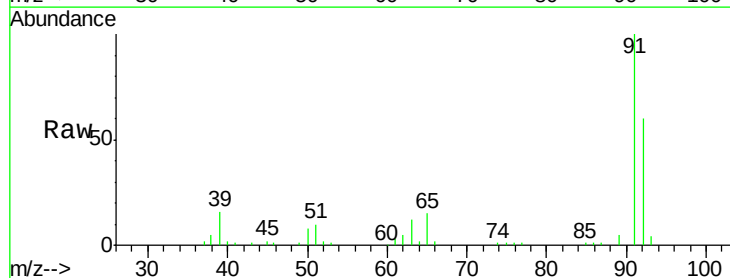
Acq: 15 Aug 2018 00:23

Tgt Ion: 92 Resp: 90238

Ion Ratio Lower Upper

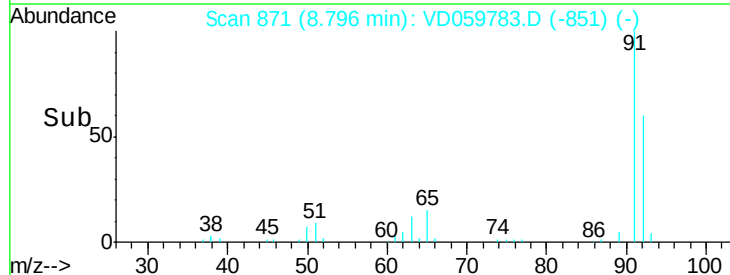
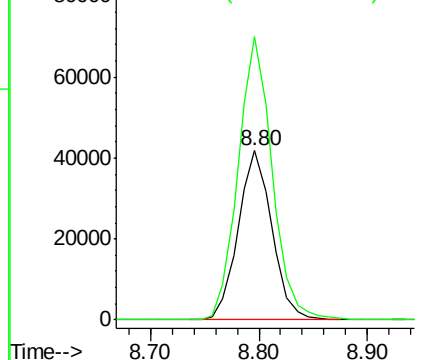
92 100

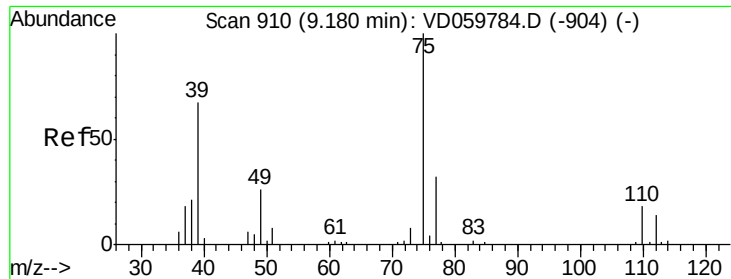
91 167.6 133.1 199.7



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: 17.41 ug/l

RT: 9.18 min Scan# 910

Delta R.T. -0.00 min

Lab File: VD059783.D

Acq: 15 Aug 2018 00:23

Instrument :

MSVOA_D

ClientSampleId :

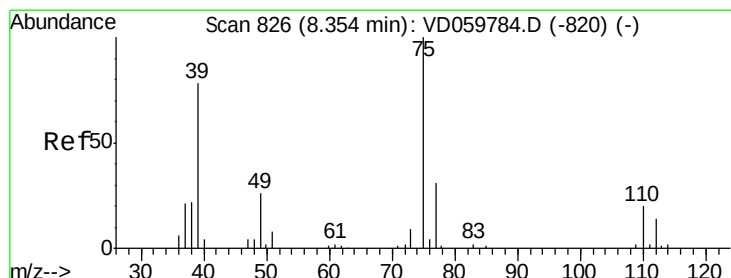
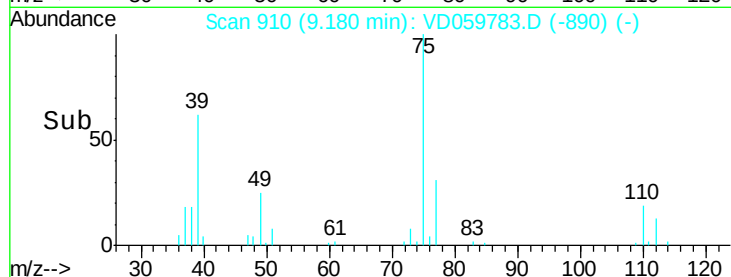
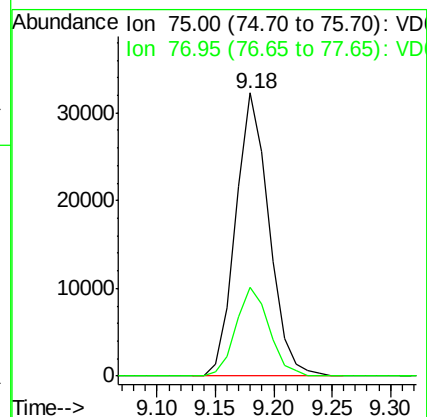
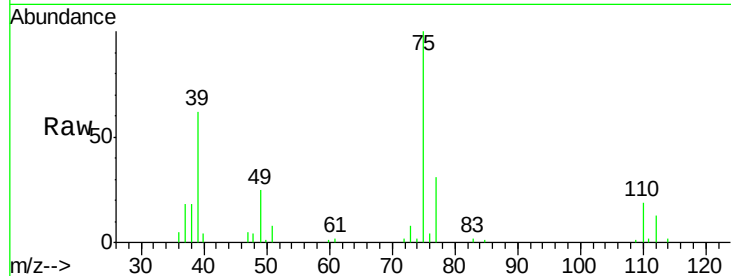
VSTDIC020

Tot Ion: 75 Resp: 63992

Ion Ratio Lower Upper

75 100

77 31.4 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 17.66 ug/l

RT: 8.35 min Scan# 826

Delta R.T. -0.00 min

Lab File: VD059783.D

Acq: 15 Aug 2018 00:23

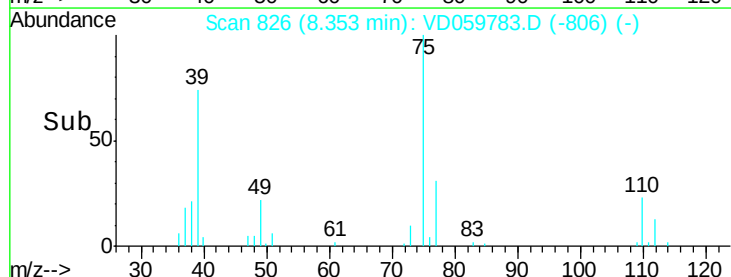
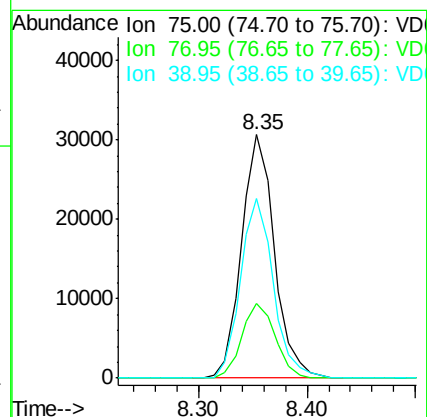
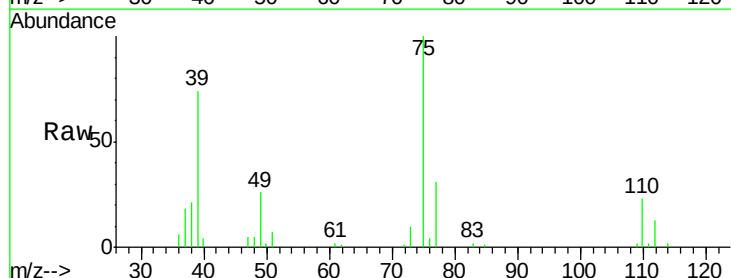
Tgt Ion: 75 Resp: 64505

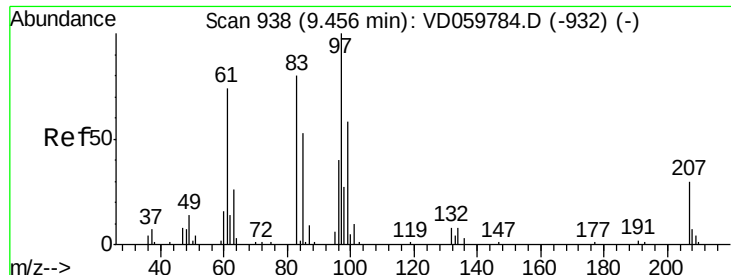
Ion Ratio Lower Upper

75 100

77 30.9 24.8 37.2

39 73.6 62.5 93.7





#55

1,1,2-Trichloroethane

Concen: 19.74 ug/l

RT: 9.45 min Scan# 937

Delta R.T. -0.01 min

Lab File: VD059783.D

Acq: 15 Aug 2018 00:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 97 Resp: 33311

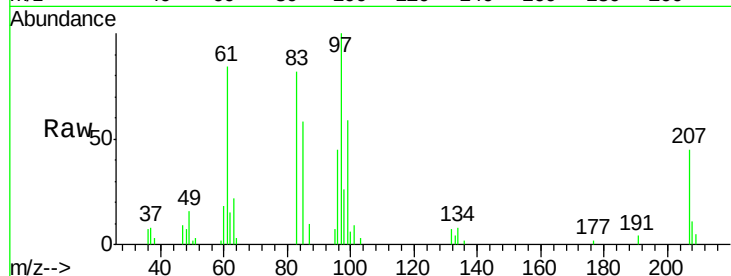
Ion Ratio Lower Upper

97 100

83 82.4 63.8 95.8

85 57.6 42.5 63.7

99 59.1 46.2 69.4

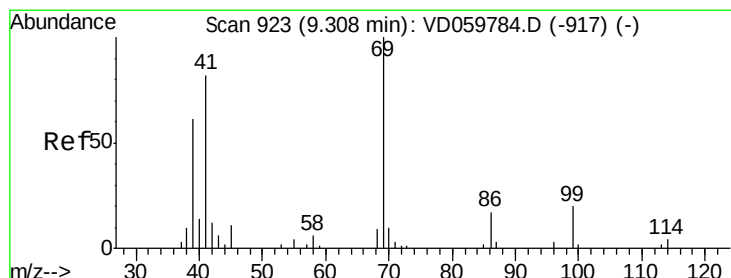
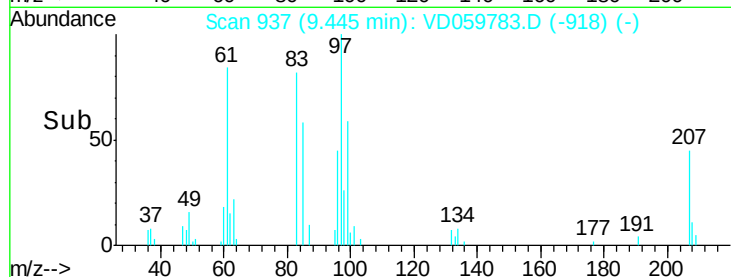
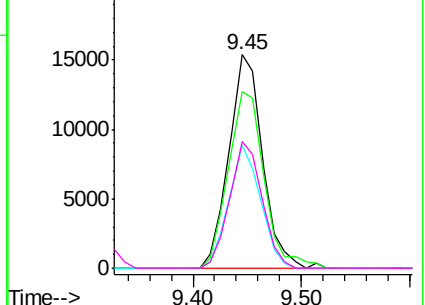


Abundance Ion 96.85 (96.55 to 97.55): VD

Ion 82.95 (82.65 to 83.65): VD

Ion 84.95 (84.65 to 85.65): VD

Ion 98.85 (98.55 to 99.55): VD



#56

Ethyl methacrylate

Concen: 20.57 ug/l

RT: 9.31 min Scan# 923

Delta R.T. -0.00 min

Lab File: VD059783.D

Acq: 15 Aug 2018 00:23

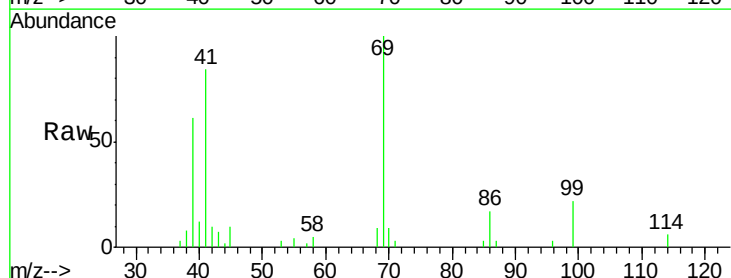
Tgt Ion: 69 Resp: 39557

Ion Ratio Lower Upper

69 100

41 84.2 65.8 98.8

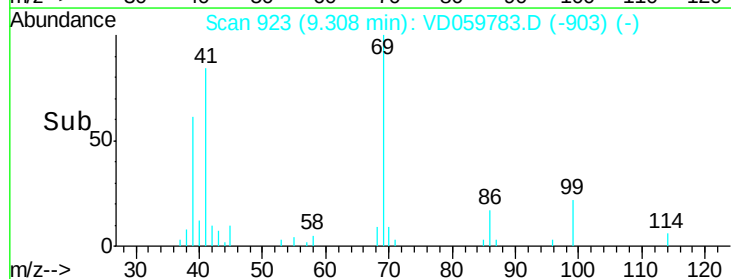
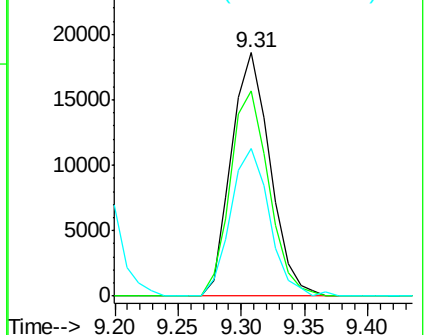
39 60.6 49.7 74.5

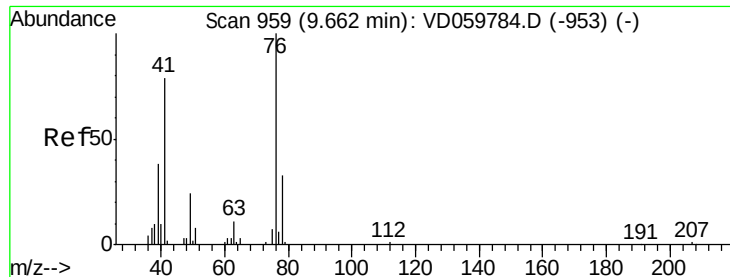


Abundance Ion 69.00 (68.70 to 69.70): VD

Ion 41.05 (40.75 to 41.75): VD

Ion 38.95 (38.65 to 39.65): VD





#57

1,3-Dichloropropane

Concen: 19.29 ug/l

RT: 9.66 min Scan# 959

Delta R.T. -0.00 min

Lab File: VD059783.D

Acq: 15 Aug 2018 00:23

Instrument :

MSVOA_D

ClientSampleId :

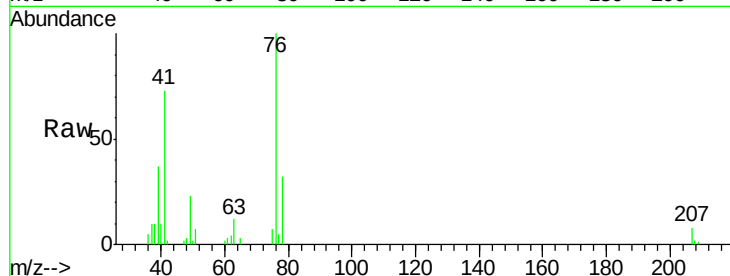
VSTDIC020

Tot Ion: 76 Resp: 53284

Ion Ratio Lower Upper

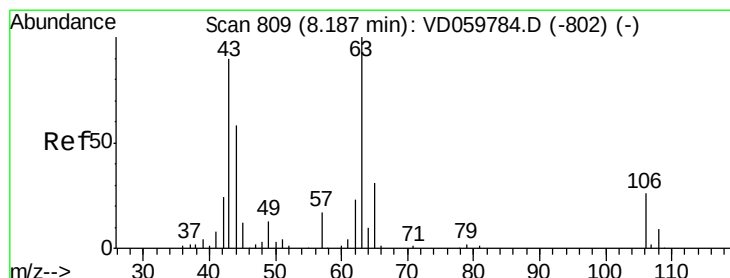
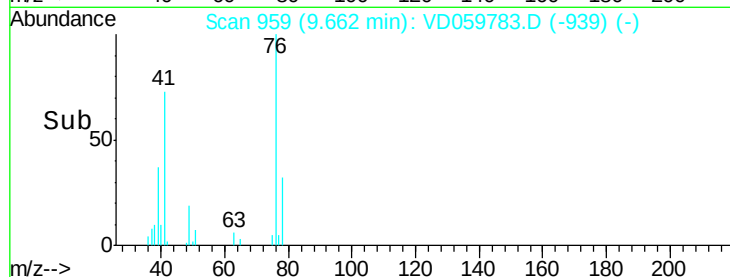
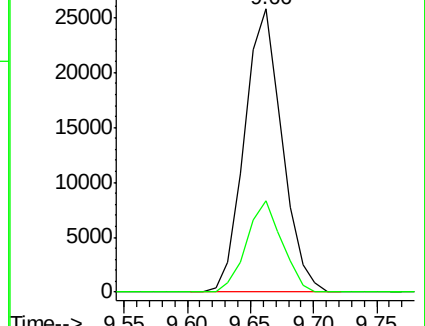
76 100

78 32.1 26.4 39.6



Abundance Ion 75.95 (75.65 to 76.65): VD

Ion 77.95 (77.65 to 78.65): VD



#58

2-Chloroethyl Vinyl ether

Concen: 110.83 ug/l

RT: 8.18 min Scan# 808

Delta R.T. -0.01 min

Lab File: VD059783.D

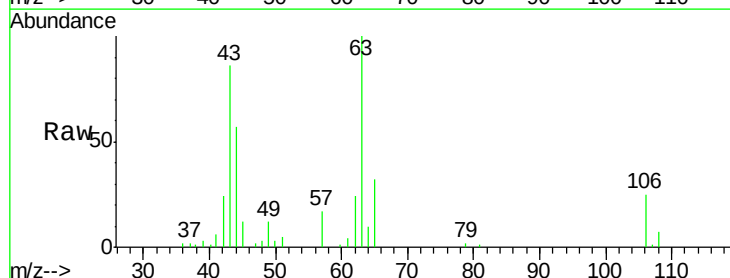
Acq: 15 Aug 2018 00:23

Tgt Ion: 63 Resp: 97879

Ion Ratio Lower Upper

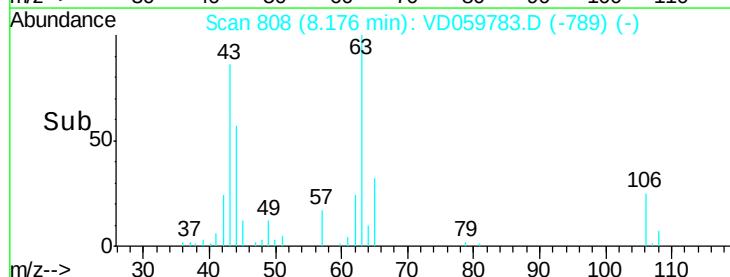
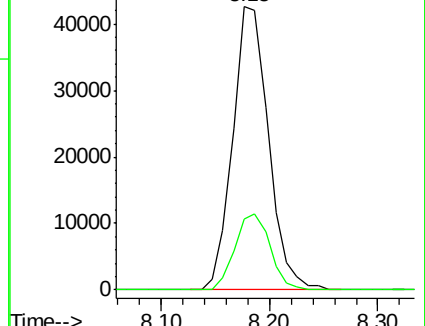
63 100

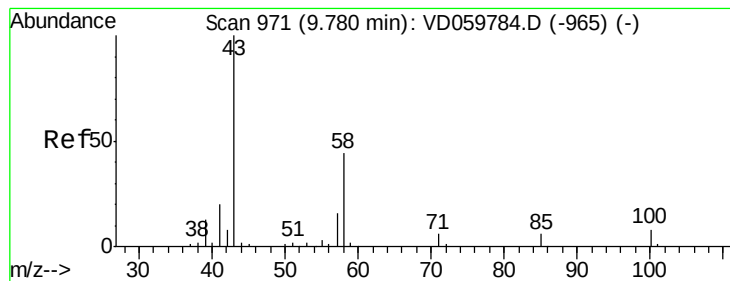
106 25.0 21.1 31.7



Abundance Ion 62.95 (62.65 to 63.65): VD

Ion 105.95 (105.65 to 106.65):





#59

2-Hexanone

Concen: 91.89 ug/l

RT: 9.78 min Scan# 971

Delta R.T. -0.00 min

Lab File: VD059783.D

Acq: 15 Aug 2018 00:23

Instrument :

MSVOA_D

ClientSampleId :

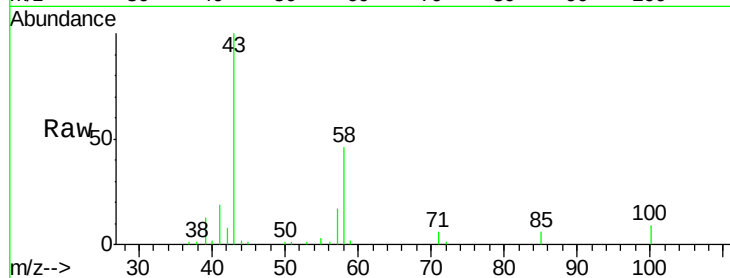
VSTDIC020

Tot Ion: 43 Resp: 109564

Ion Ratio Lower Upper

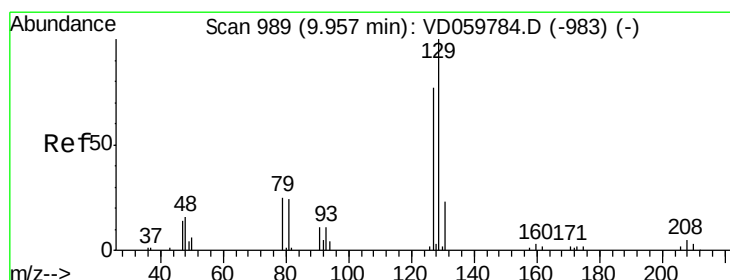
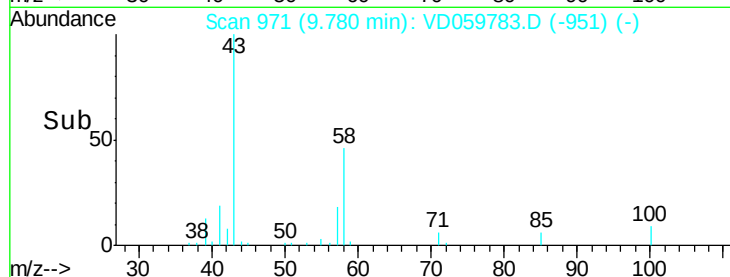
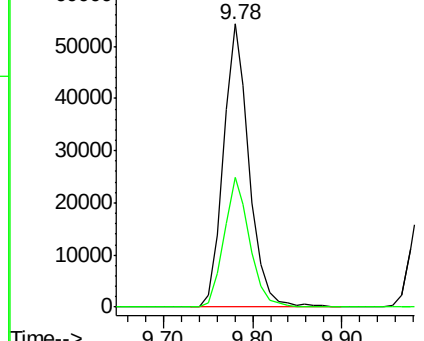
43 100

58 45.9 22.3 66.8



Abundance Ion 42.95 (42.65 to 43.65): VD

Ion 57.95 (57.65 to 58.65): VD



#60

Dibromochloromethane

Concen: 15.98 ug/l

RT: 9.96 min Scan# 989

Delta R.T. -0.00 min

Lab File: VD059783.D

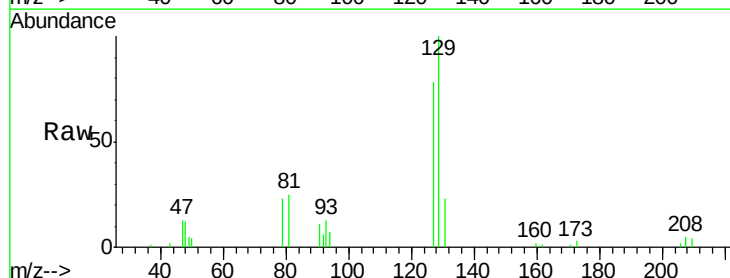
Acq: 15 Aug 2018 00:23

Tgt Ion: 129 Resp: 49661

Ion Ratio Lower Upper

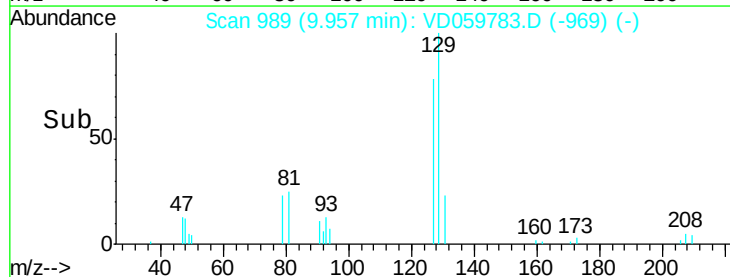
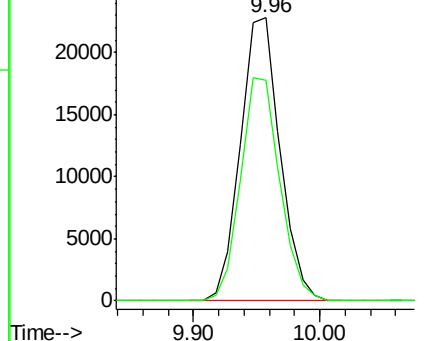
129 100

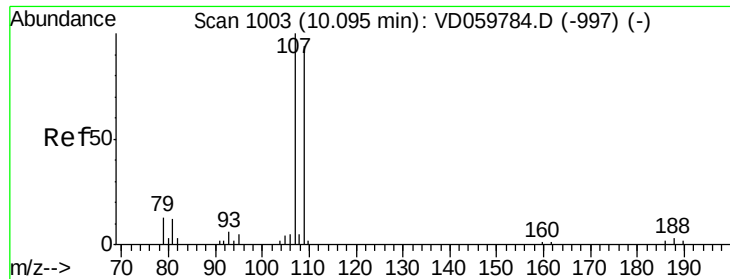
127 77.9 38.4 115.1



Abundance Ion 128.80 (128.50 to 129.50):

Ion 126.80 (126.50 to 127.50):

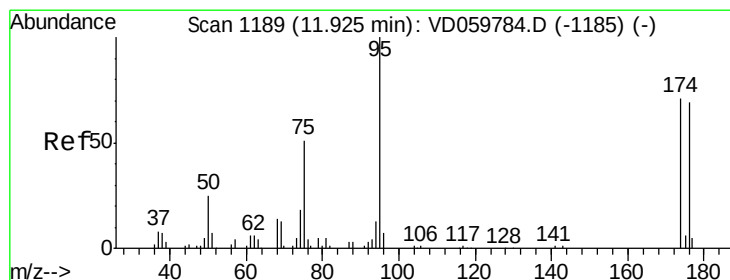
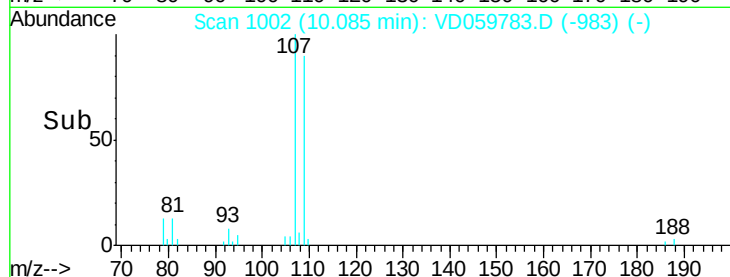
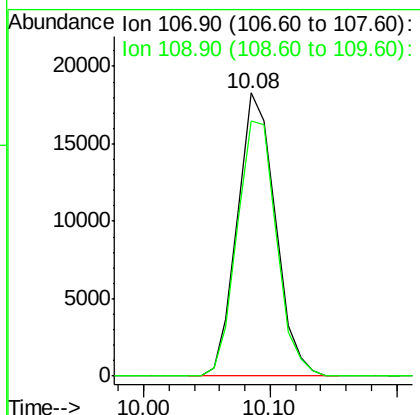
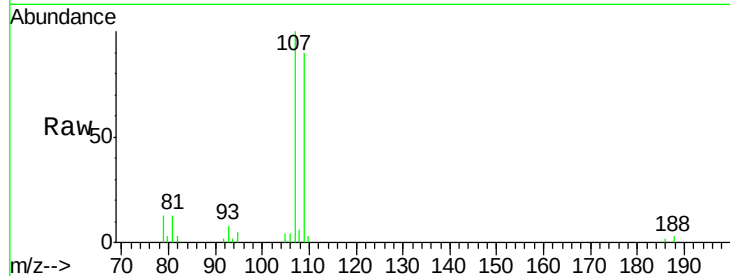




#61
 1,2-Dibromoethane
 Concen: 18.60 ug/l
 RT: 10.08 min Scan# 1002
 Delta R.T. -0.01 min
 Lab File: VD059783.D
 Acq: 15 Aug 2018 00:23

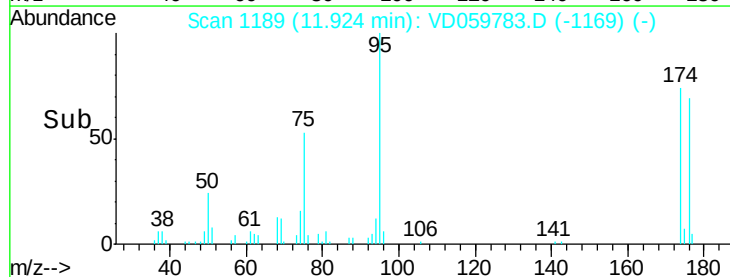
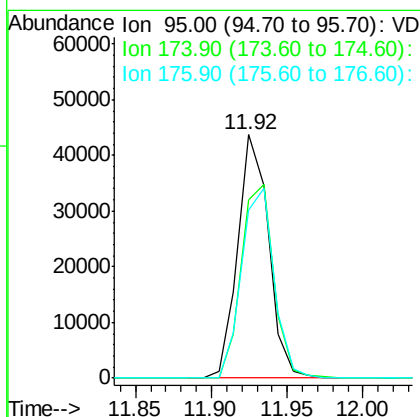
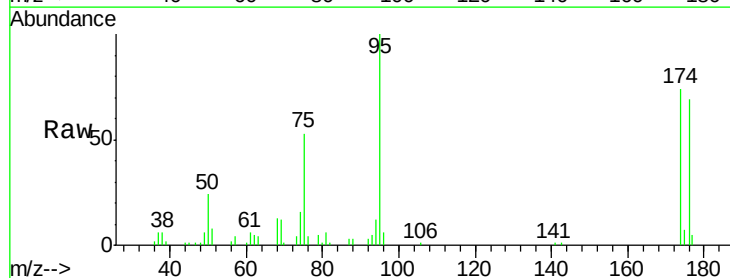
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

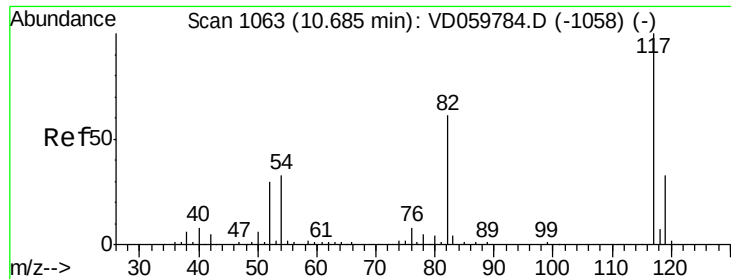
Tot Ion:107 Resp: 38220
 Ion Ratio Lower Upper
 107 100
 109 90.2 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 18.60 ug/l
 RT: 11.92 min Scan# 1189
 Delta R.T. -0.00 min
 Lab File: VD059783.D
 Acq: 15 Aug 2018 00:23

Tgt Ion: 95 Resp: 61830
 Ion Ratio Lower Upper
 95 100
 174 73.5 0.0 142.2
 176 69.3 0.0 137.4

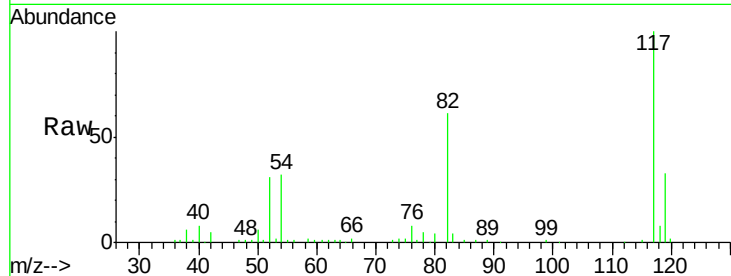




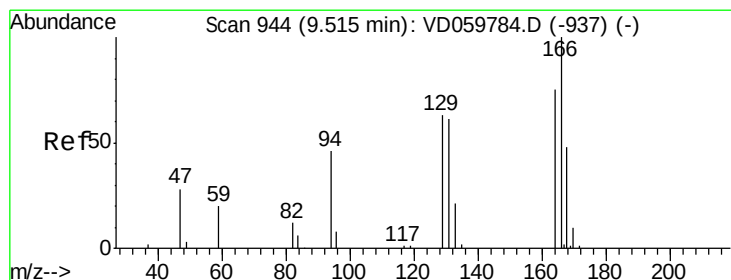
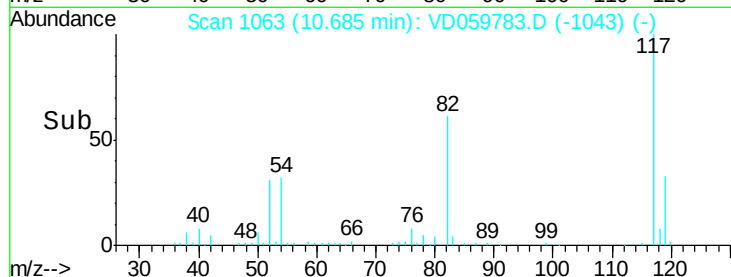
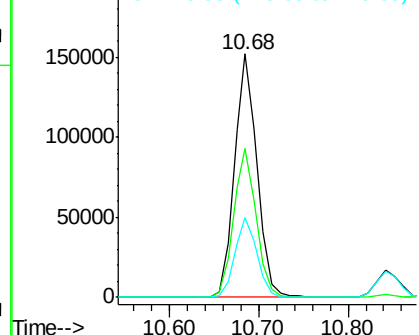
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.68 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VD059783.D
Acq: 15 Aug 2018 00:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion:117 Resp: 270112
Ion Ratio Lower Upper
117 100
82 61.3 49.0 73.6
119 32.8 26.2 39.2

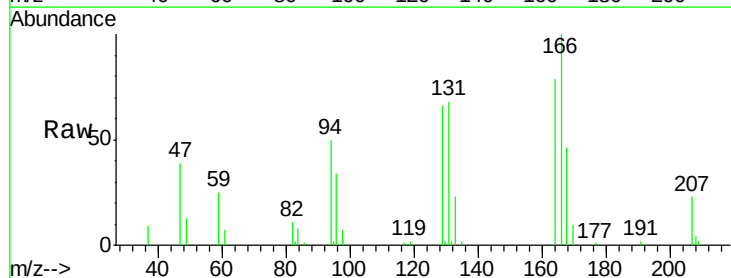


Abundance Ion 116.95 (116.65 to 117.65):
Ion 82.05 (81.75 to 82.75): VD
Ion 118.95 (118.65 to 119.65):

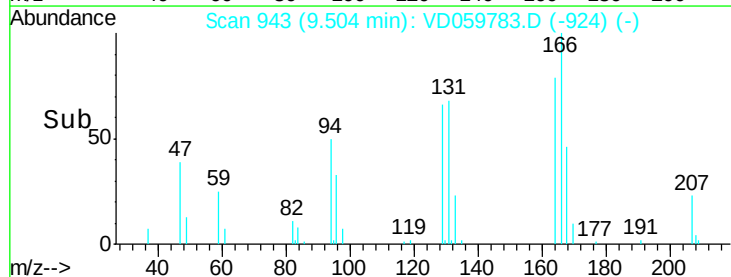
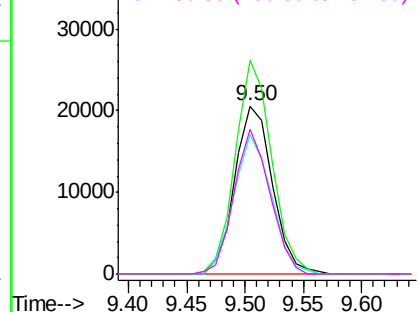


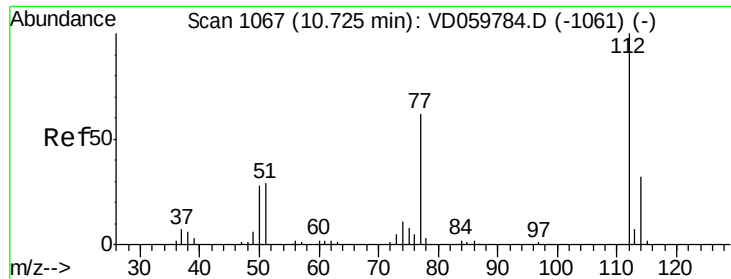
#64
Tetrachloroethene
Concen: 17.96 ug/l
RT: 9.50 min Scan# 943
Delta R.T. -0.01 min
Lab File: VD059783.D
Acq: 15 Aug 2018 00:23

Tgt Ion:164 Resp: 46369
Ion Ratio Lower Upper
164 100
166 127.4 106.8 160.2
129 83.5 67.2 100.8
131 86.2 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):

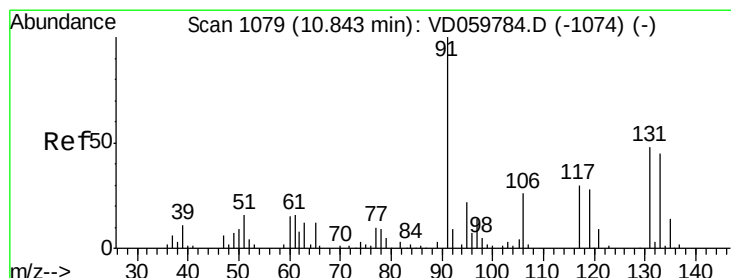
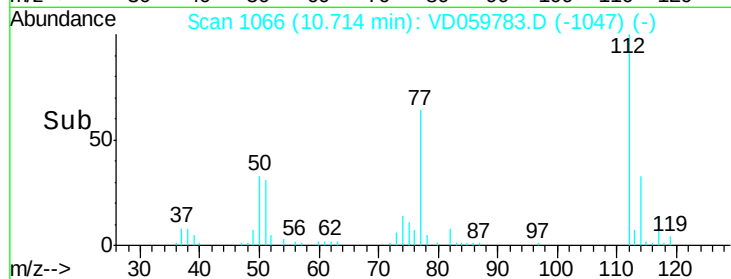
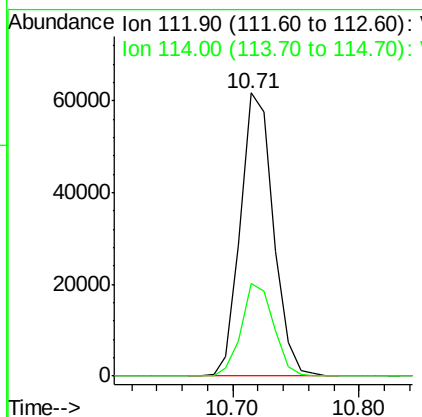
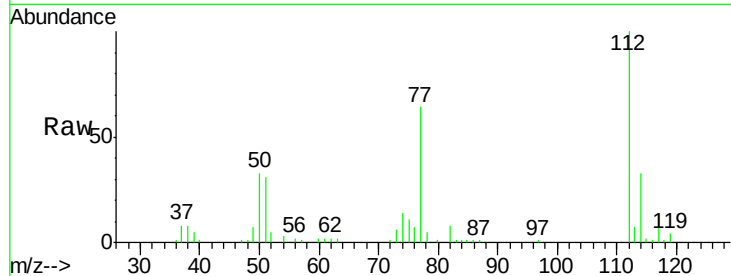




#65
Chlorobenzene
Concen: 20.38 ug/l
RT: 10.71 min Scan# 1066
Delta R.T. -0.01 min
Lab File: VD059783.D
Acq: 15 Aug 2018 00:23

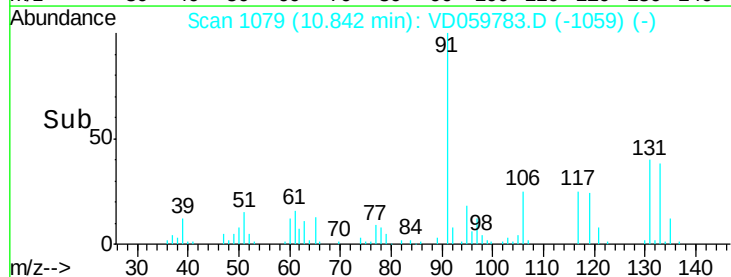
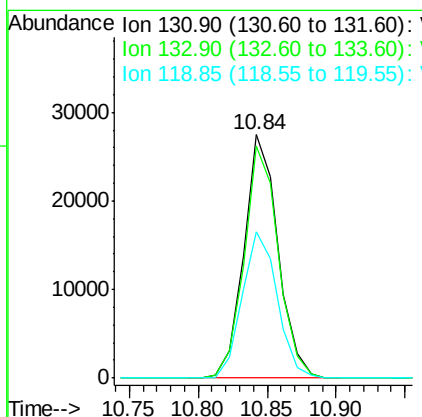
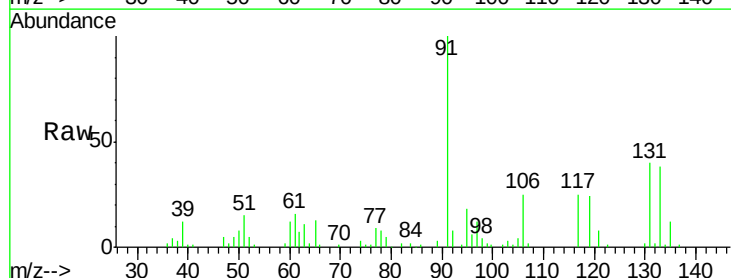
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

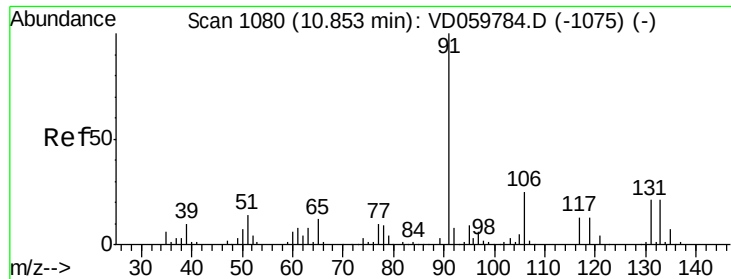
Tot Ion:112 Resp: 111374
Ion Ratio Lower Upper
112 100
114 32.7 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 17.76 ug/l
RT: 10.84 min Scan# 1079
Delta R.T. -0.00 min
Lab File: VD059783.D
Acq: 15 Aug 2018 00:23

Tgt Ion:131 Resp: 47413
Ion Ratio Lower Upper
131 100
133 95.2 47.0 141.0
119 60.1 29.0 87.1

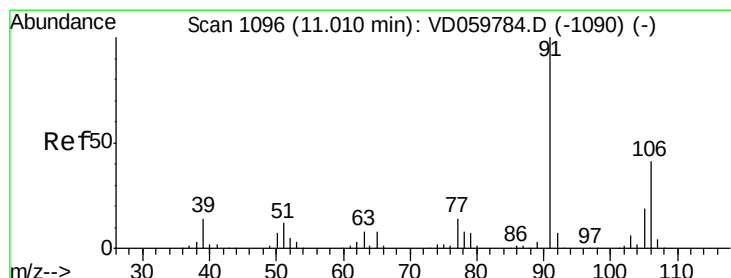
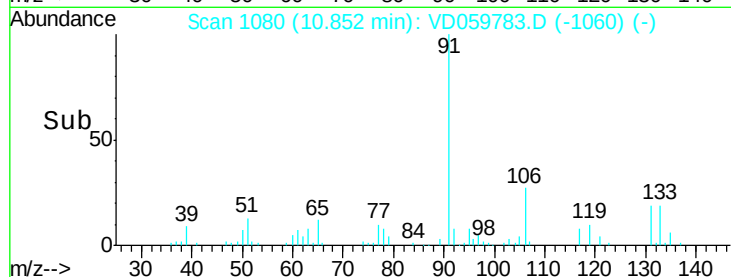
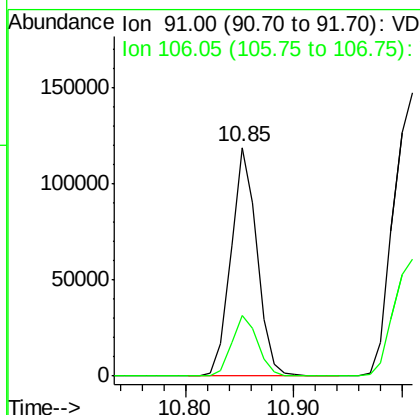
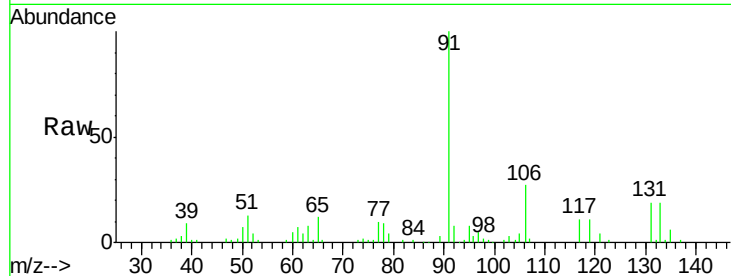




#67
Ethyl Benzene
Concen: 19.56 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VD059783.D
Acq: 15 Aug 2018 00:23

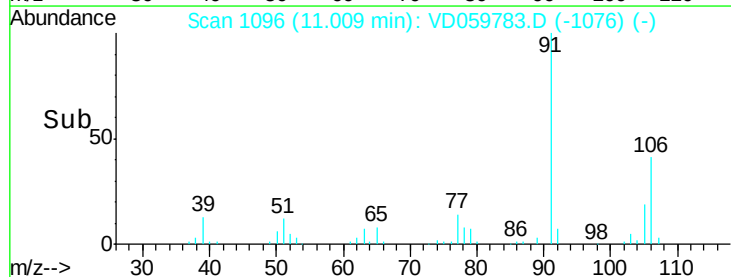
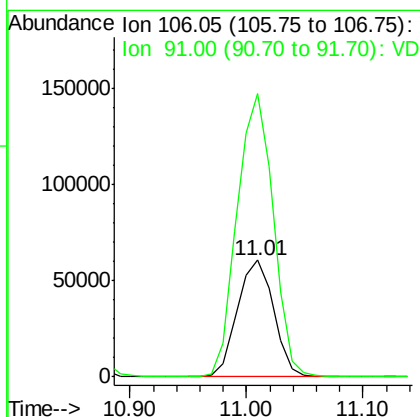
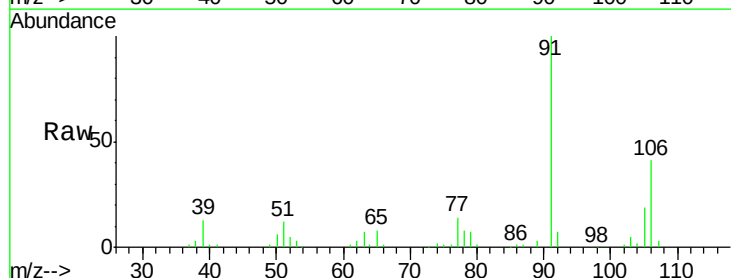
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

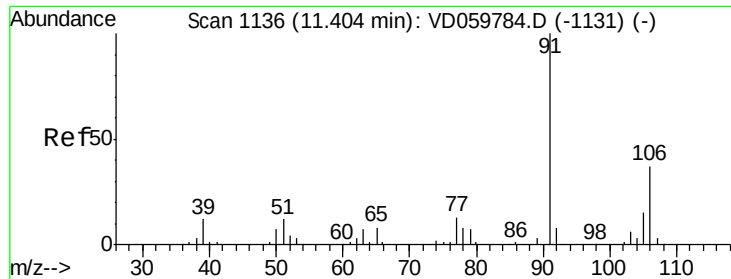
Tot Ion: 91 Resp: 197603
Ion Ratio Lower Upper
91 100
106 26.5 20.1 30.1



#68
m/p-Xylenes
Concen: 39.46 ug/l
RT: 11.01 min Scan# 1096
Delta R.T. -0.00 min
Lab File: VD059783.D
Acq: 15 Aug 2018 00:23

Tgt Ion: 106 Resp: 130550
Ion Ratio Lower Upper
106 100
91 242.1 197.4 296.0

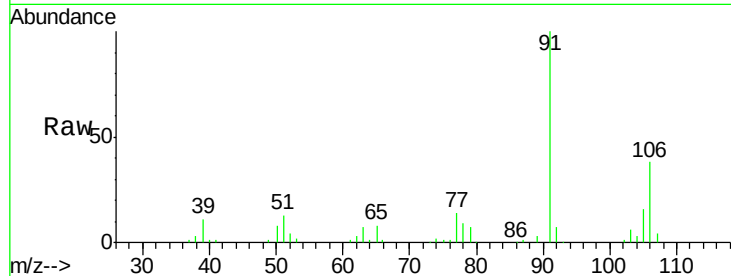




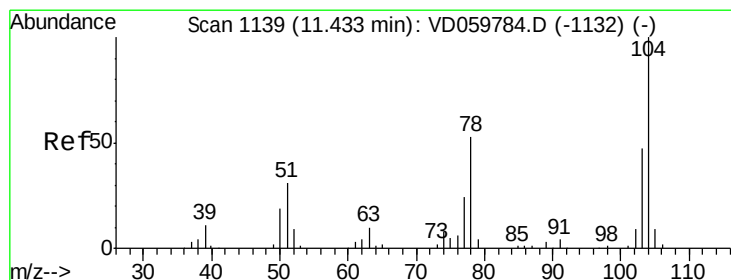
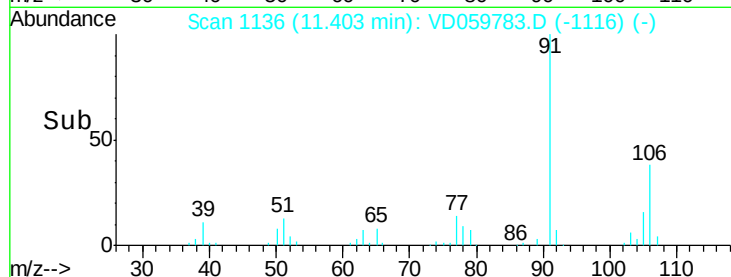
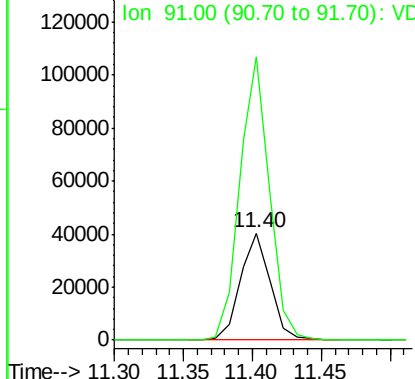
#69
o-Xylene
Concen: 19.03 ug/l
RT: 11.40 min Scan# 1136
Delta R.T. -0.00 min
Lab File: VD059783.D
Acq: 15 Aug 2018 00:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion:106 Resp: 60829
Ion Ratio Lower Upper
106 100
91 263.9 133.7 401.1

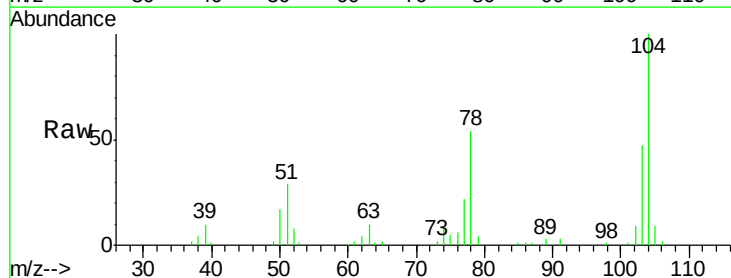


Abundance Ion 106.05 (105.75 to 106.75):
Ion 91.00 (90.70 to 91.70): VD

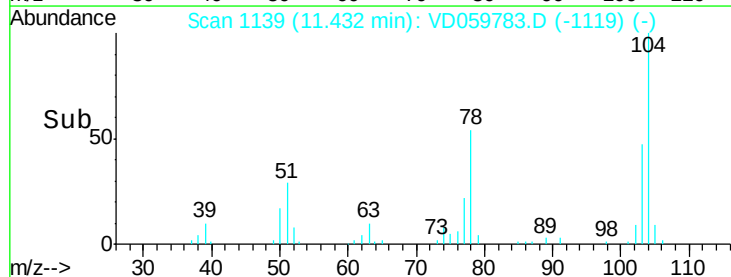
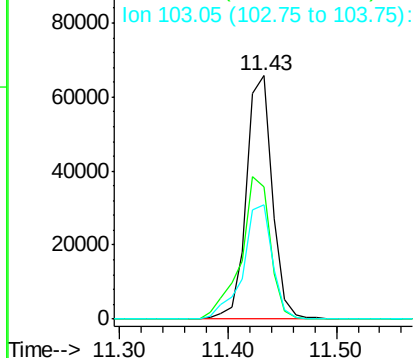


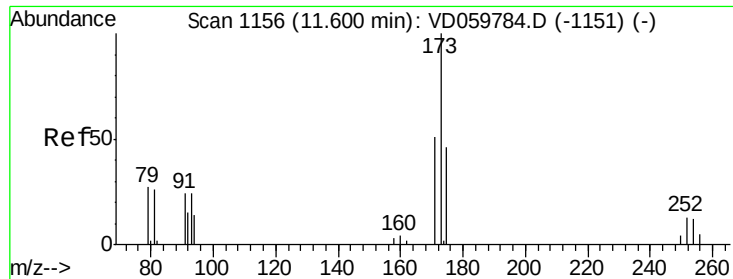
#70
Styrene
Concen: 20.48 ug/l
RT: 11.43 min Scan# 1139
Delta R.T. -0.00 min
Lab File: VD059783.D
Acq: 15 Aug 2018 00:23

Tgt Ion:104 Resp: 108509
Ion Ratio Lower Upper
104 100
78 54.2 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):

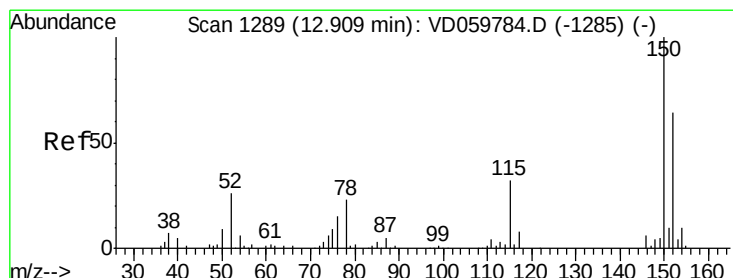
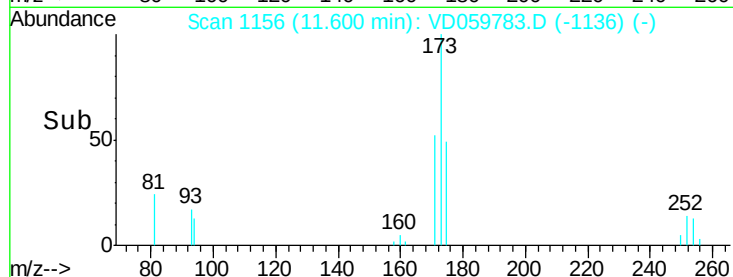
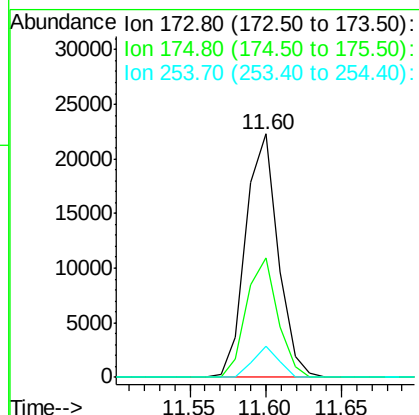
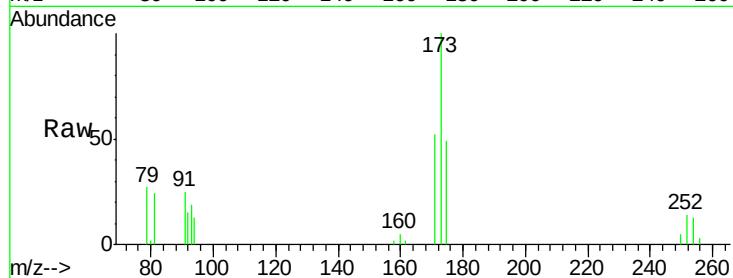




#71
Bromoform
Concen: 16.62 ug/l
RT: 11.60 min Scan# 1156
Delta R.T. -0.00 min
Lab File: VD059783.D
Acq: 15 Aug 2018 00:23

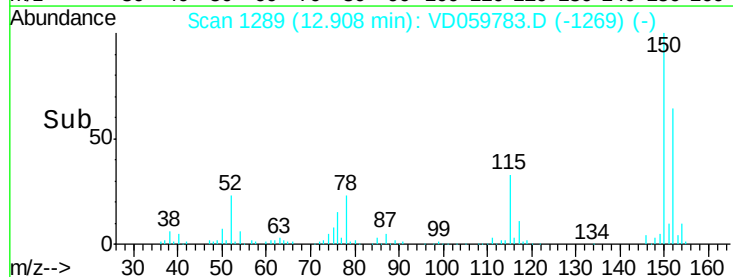
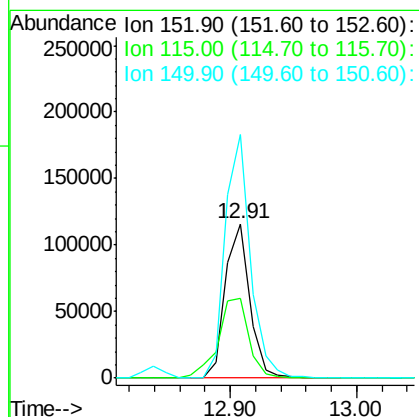
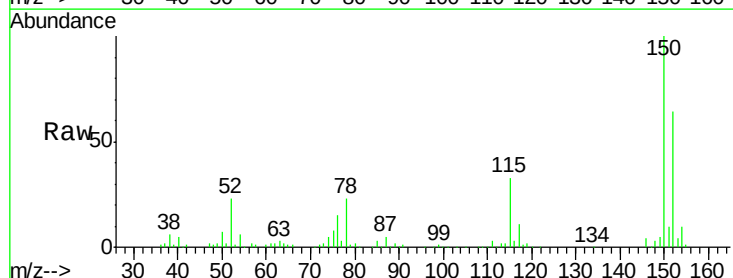
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

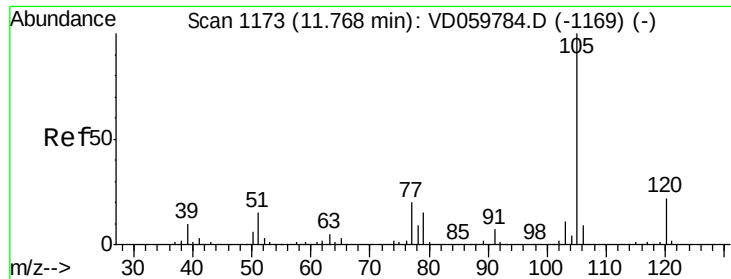
Tot Ion:173 Resp: 33128
Ion Ratio Lower Upper
173 100
175 49.0 23.1 69.2
254 12.8 9.7 14.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.91 min Scan# 1289
Delta R.T. -0.00 min
Lab File: VD059783.D
Acq: 15 Aug 2018 00:23

Tgt Ion:152 Resp: 156020
Ion Ratio Lower Upper
152 100
115 51.5 27.2 81.5
150 157.4 0.0 312.4





#73

Isopropylbenzene

Concen: 18.05 ug/l

RT: 11.77 min Scan# 1173

Delta R.T. -0.00 min

Lab File: VD059783.D

Acq: 15 Aug 2018 00:23

Instrument :

MSVOA_D

ClientSampleId :

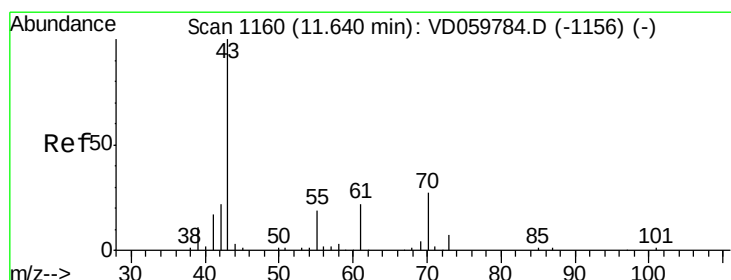
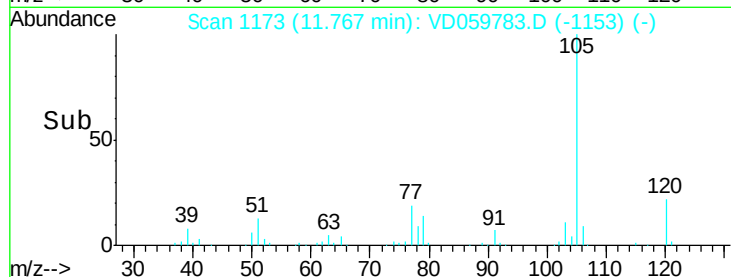
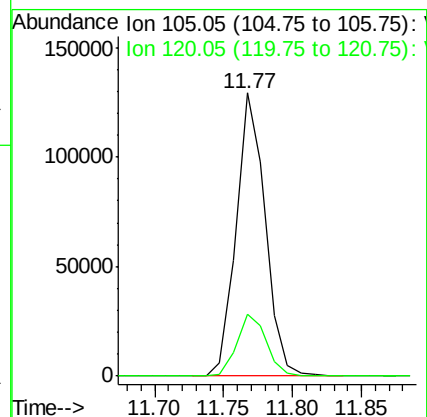
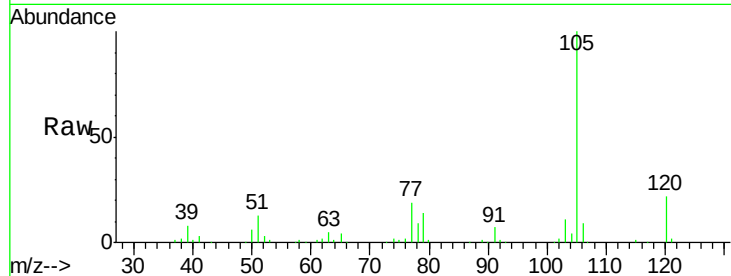
VSTDIC020

Tot Ion:105 Resp: 189319

Ion Ratio Lower Upper

105 100

120 22.0 10.9 32.6



#74

N-ethyl acetate

Concen: 19.87 ug/l

RT: 11.64 min Scan# 1160

Delta R.T. -0.00 min

Lab File: VD059783.D

Acq: 15 Aug 2018 00:23

Tgt Ion: 43 Resp: 60134

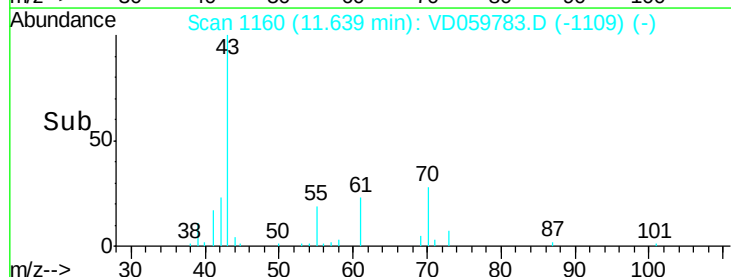
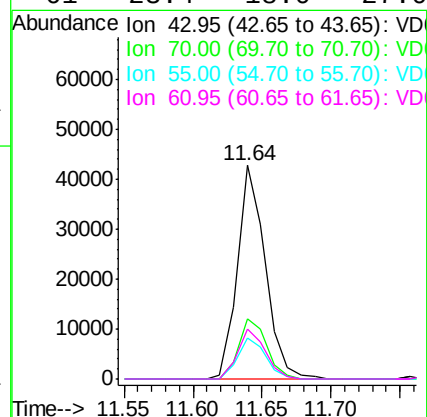
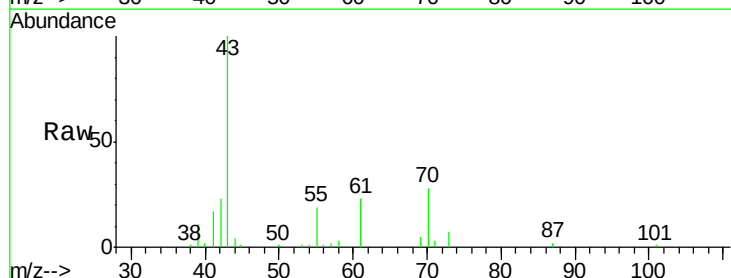
Ion Ratio Lower Upper

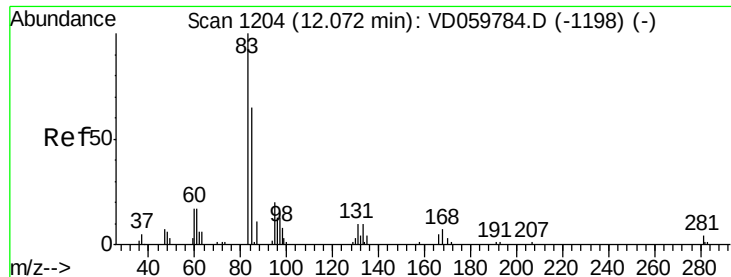
43 100

70 28.2 21.8 32.6

55 19.0 15.1 22.7

61 23.4 18.0 27.0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.10 ug/l

RT: 12.07 min Scan# 1204

Delta R.T. -0.00 min

Lab File: VD059783.D

Acq: 15 Aug 2018 00:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

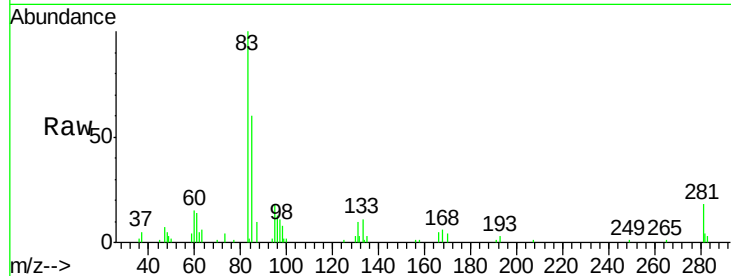
Tot Ion: 83 Resp: 40985

Ion Ratio Lower Upper

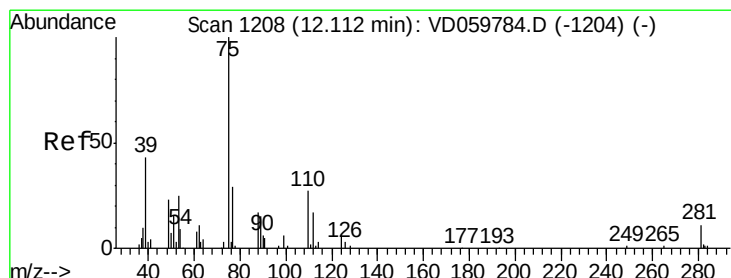
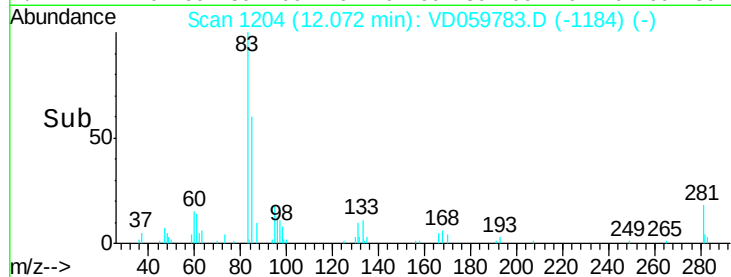
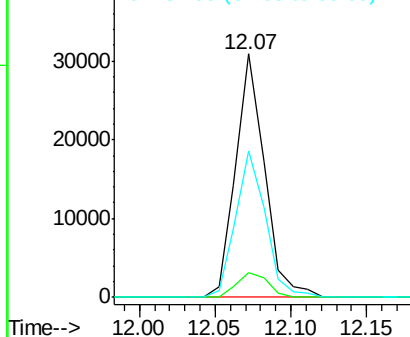
83 100

131 10.2 5.0 15.0

85 60.2 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: 19.47 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VD059783.D

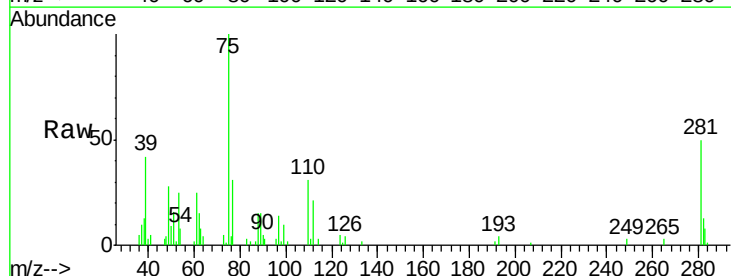
Acq: 15 Aug 2018 00:23

Tgt Ion: 75 Resp: 43845

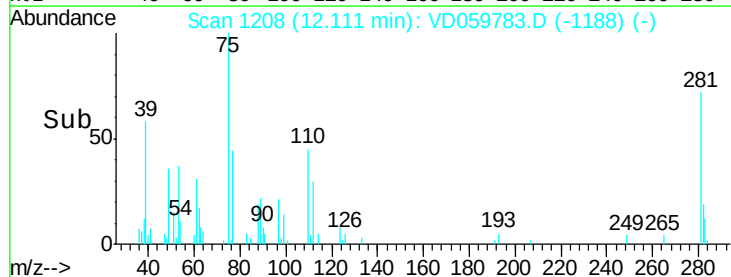
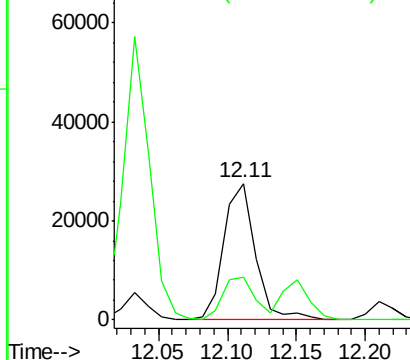
Ion Ratio Lower Upper

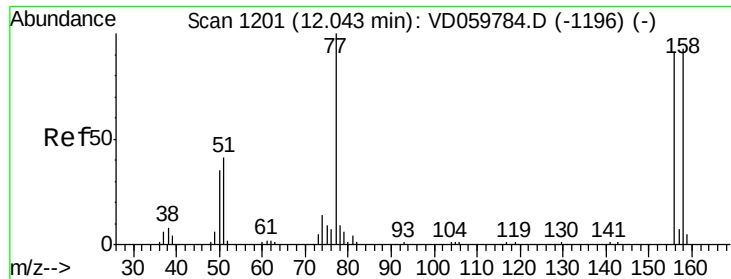
75 100

77 30.9 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: 17.32 ug/l

RT: 12.03 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VD059783.D

Acq: 15 Aug 2018 00:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

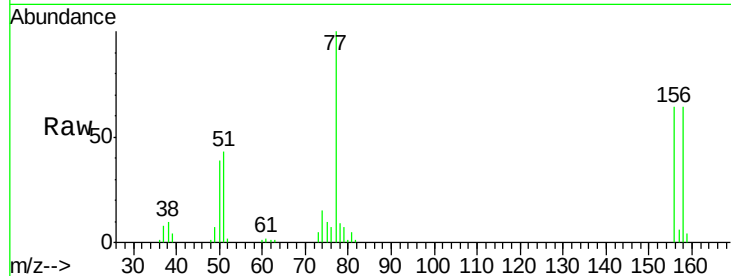
Tot Ion:156 Resp: 53065

Ion Ratio Lower Upper

156 100

77 156.9 54.9 164.8

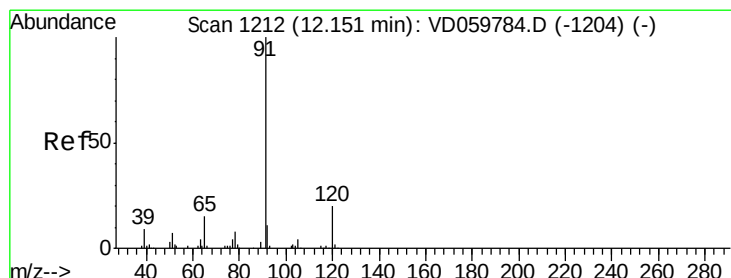
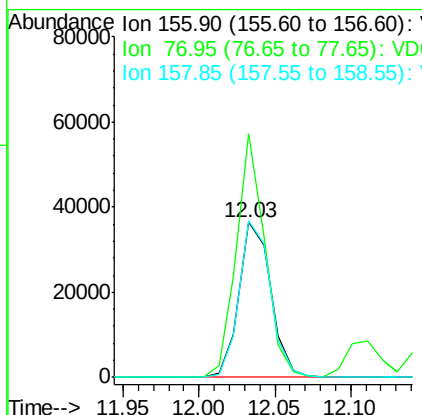
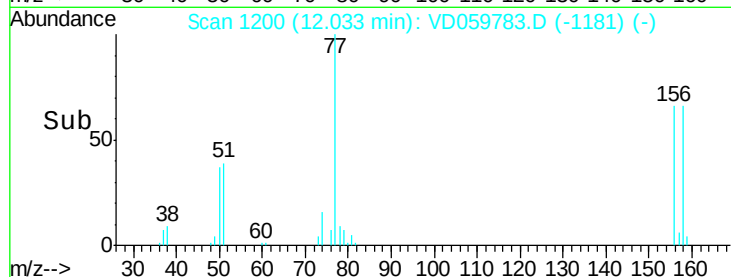
158 100.6 51.2 153.6



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: 18.93 ug/l

RT: 12.15 min Scan# 1212

Delta R.T. -0.00 min

Lab File: VD059783.D

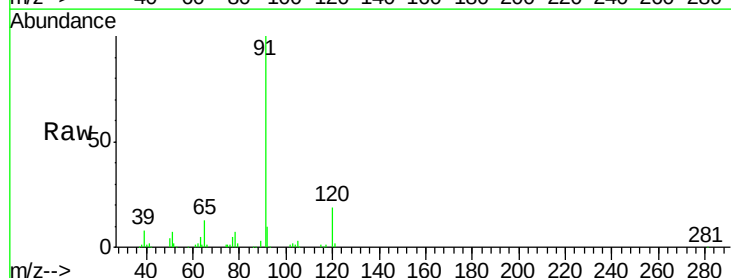
Acq: 15 Aug 2018 00:23

Tgt Ion: 91 Resp: 242041

Ion Ratio Lower Upper

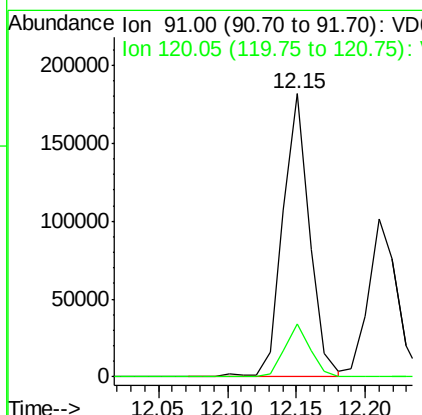
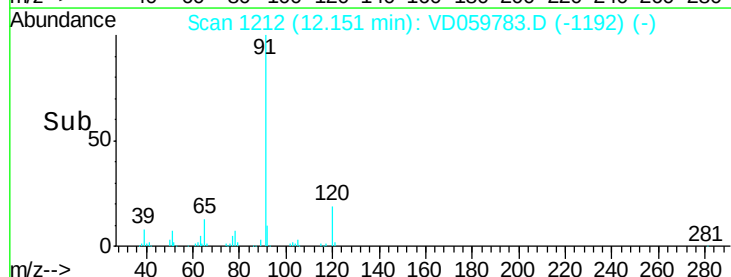
91 100

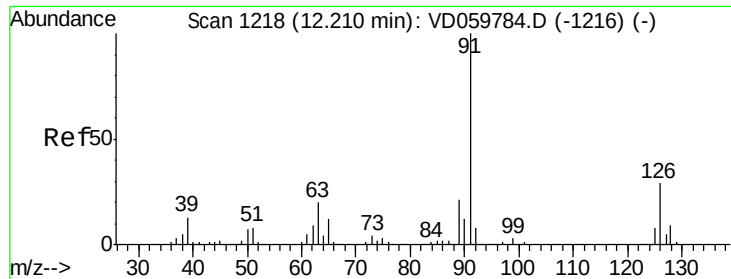
120 18.6 9.8 29.4



Abundance Ion 91.00 (90.70 to 91.70): VD

Ion 120.05 (119.75 to 120.75):

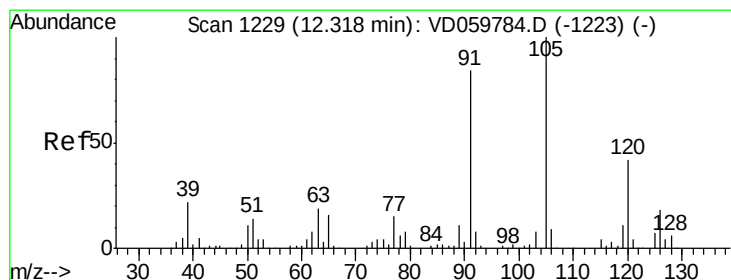
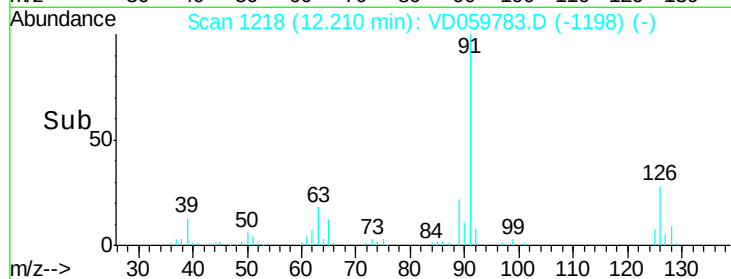
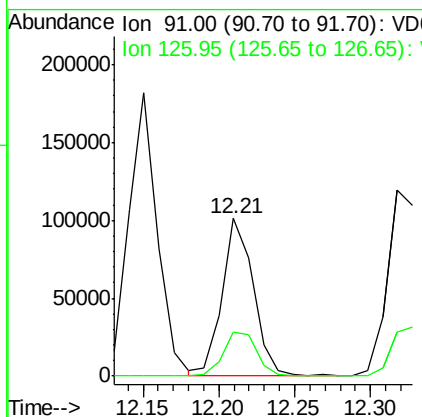
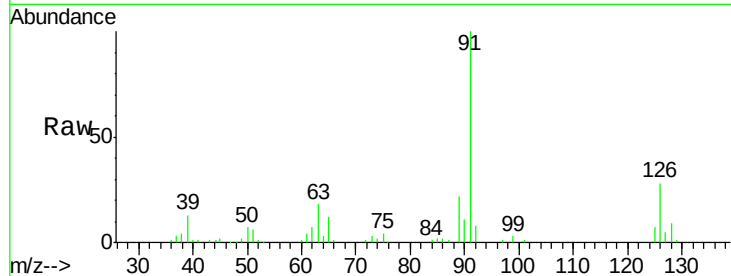




#79
 2-Chlorotoluene
 Concen: 17.90 ug/l
 RT: 12.21 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: VD059783.D
 Acq: 15 Aug 2018 00:23

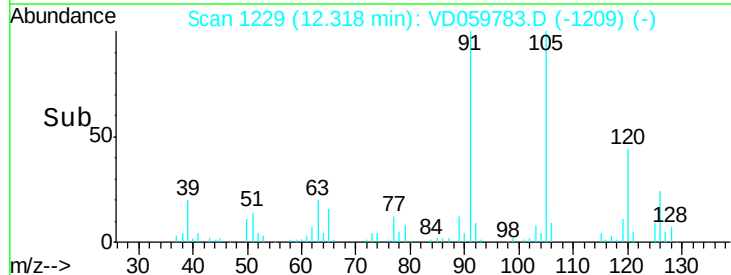
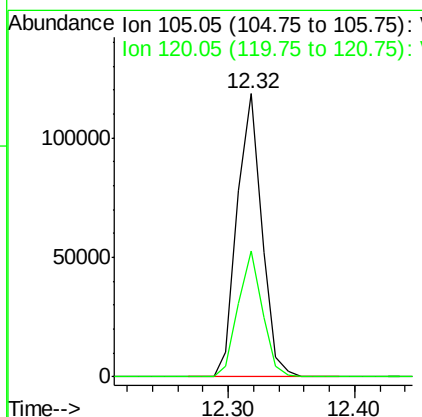
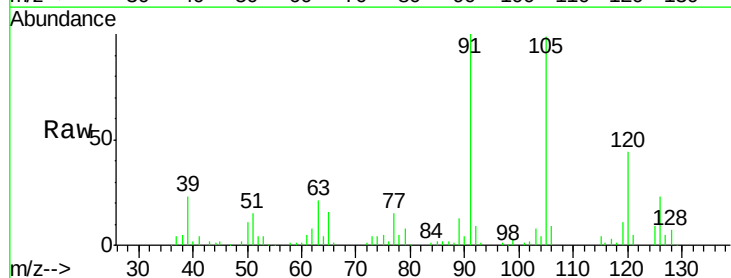
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

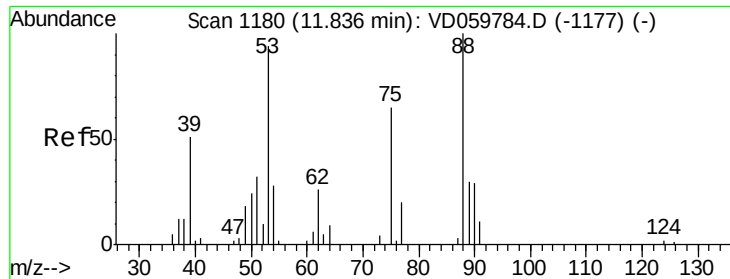
Tot Ion: 91 Resp: 144480
 Ion Ratio Lower Upper
 91 100
 126 27.7 14.0 41.9



#80
 1,3,5-Trimethylbenzene
 Concen: 17.73 ug/l
 RT: 12.32 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VD059783.D
 Acq: 15 Aug 2018 00:23

Tgt Ion:105 Resp: 159554
 Ion Ratio Lower Upper
 105 100
 120 44.4 20.8 62.5

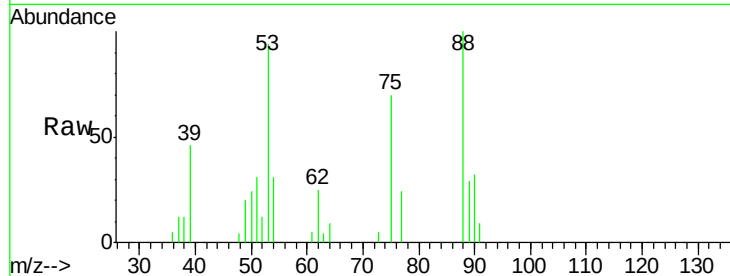




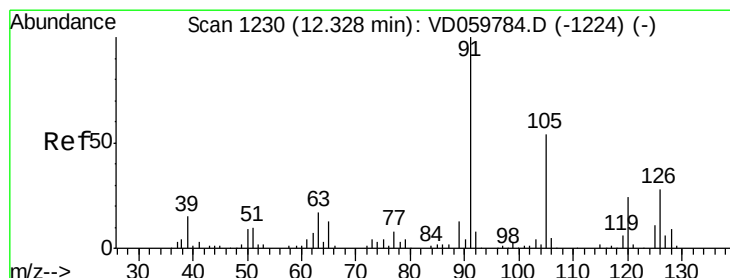
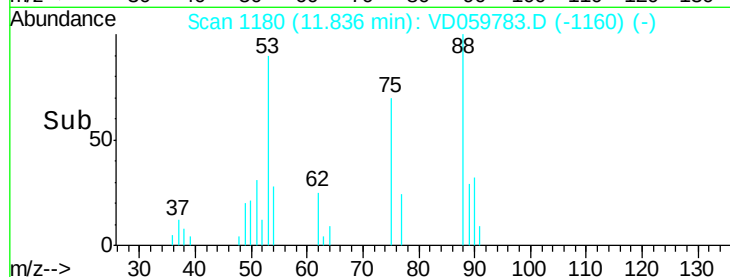
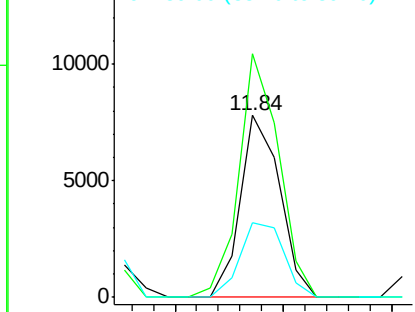
#81
trans-1,4-Dichloro-2-butene
Concen: 18.95 ug/l
RT: 11.84 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VD059783.D
Acq: 15 Aug 2018 00:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 75 Resp: 9875
Ion Ratio Lower Upper
75 100
53 133.9 116.2 174.2
89 41.3 37.0 55.6

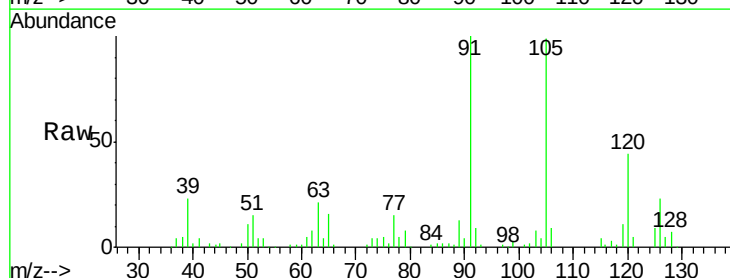


Abundance Ion 75.00 (74.70 to 75.70): VD
Ion 53.00 (52.70 to 53.70): VD
Ion 89.00 (88.70 to 89.70): VD

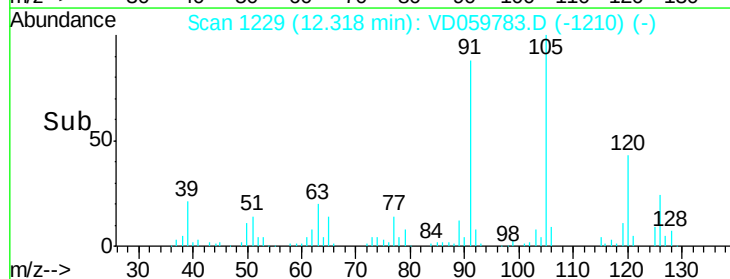
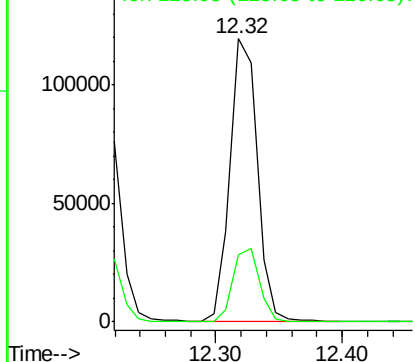


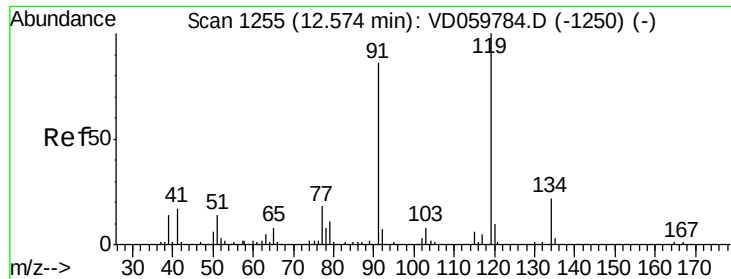
#82
4-Chlorotoluene
Concen: 19.02 ug/l
RT: 12.32 min Scan# 1229
Delta R.T. -0.01 min
Lab File: VD059783.D
Acq: 15 Aug 2018 00:23

Tgt Ion: 91 Resp: 179014
Ion Ratio Lower Upper
91 100
126 23.5 13.9 41.7



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

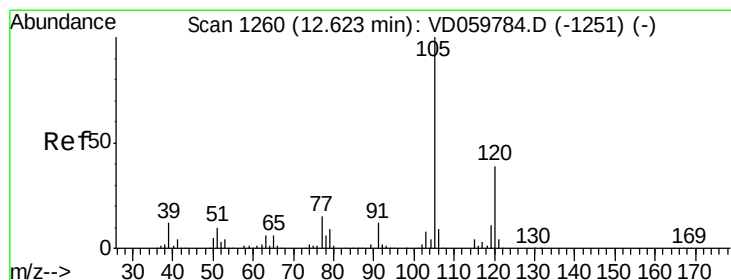
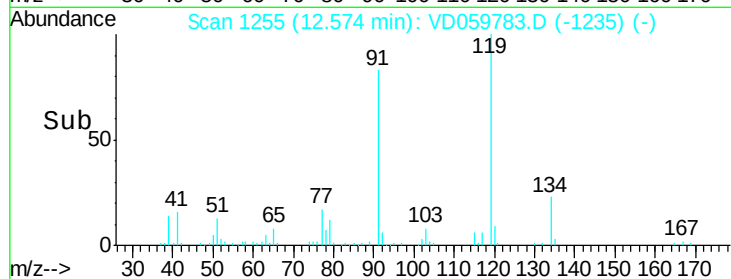
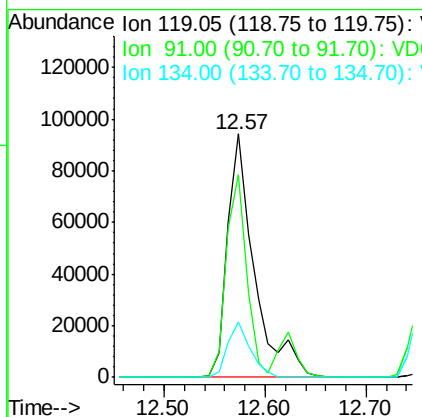
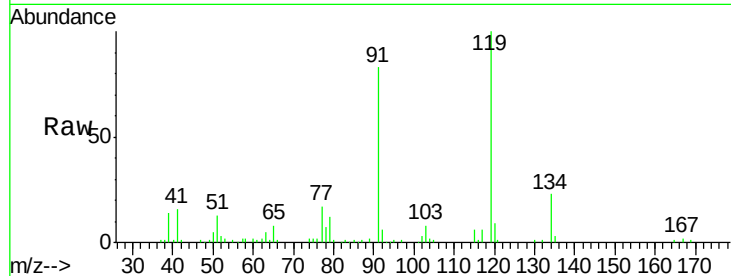




#83
 tert-Butylbenzene
 Concen: 17.80 ug/l
 RT: 12.57 min Scan# 1255
 Delta R.T. -0.00 min
 Lab File: VD059783.D
 Acq: 15 Aug 2018 00:23

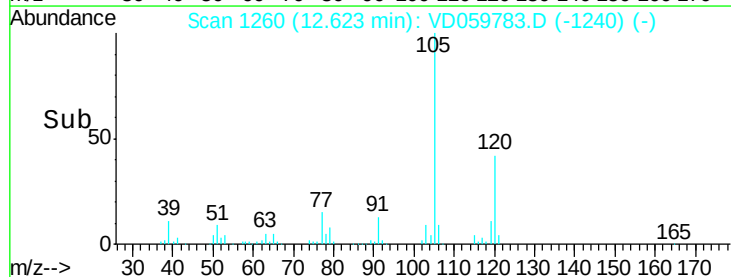
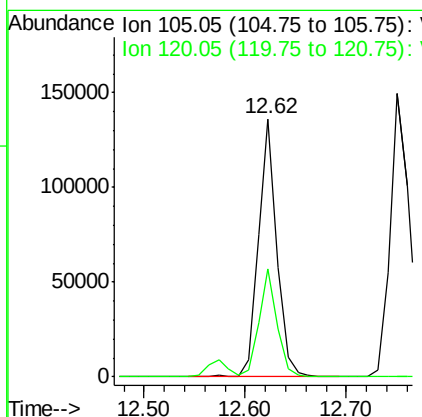
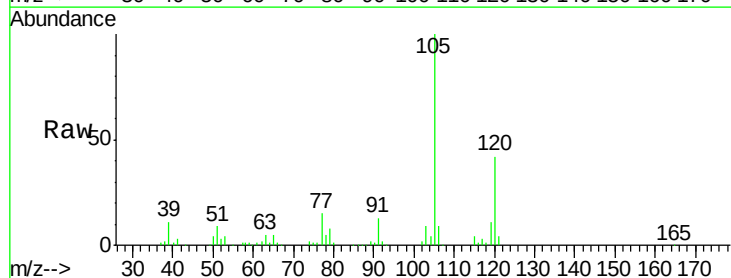
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

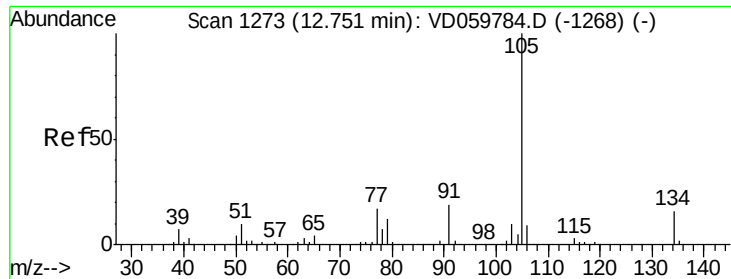
Tot Ion:119 Resp: 174822
 Ion Ratio Lower Upper
 119 100
 91 83.5 43.1 129.3
 134 22.9 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 18.66 ug/l
 RT: 12.62 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VD059783.D
 Acq: 15 Aug 2018 00:23

Tgt Ion:105 Resp: 173472
 Ion Ratio Lower Upper
 105 100
 120 41.6 19.6 58.8

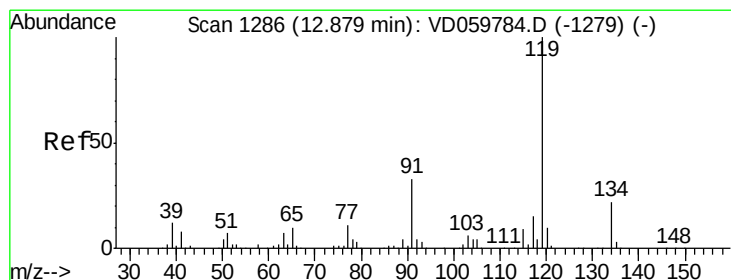
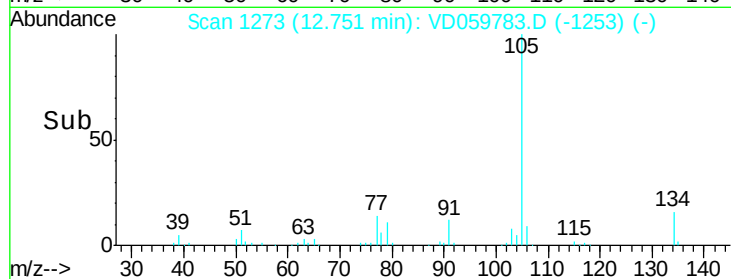
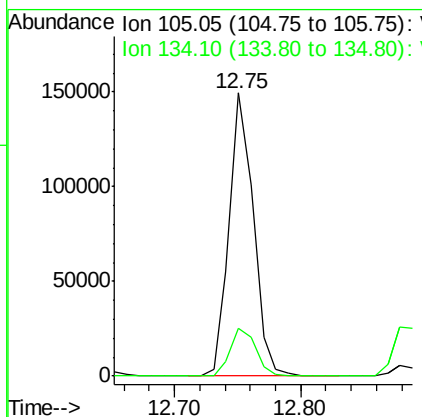
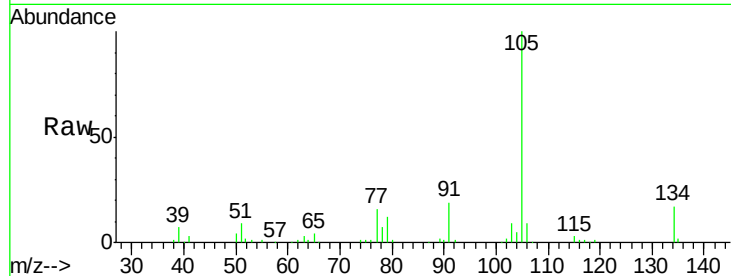




#85
 sec-Butylbenzene
 Concen: 18.81 ug/l
 RT: 12.75 min Scan# 1273
 Delta R.T. -0.00 min
 Lab File: VD059783.D
 Acq: 15 Aug 2018 00:23

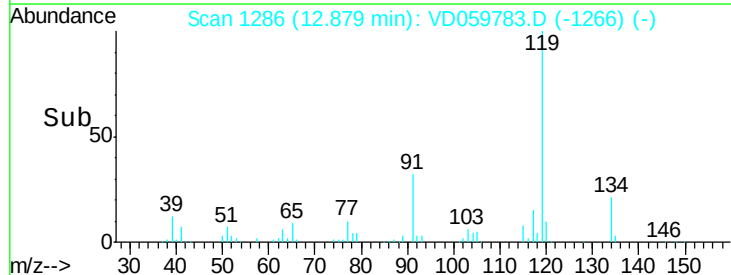
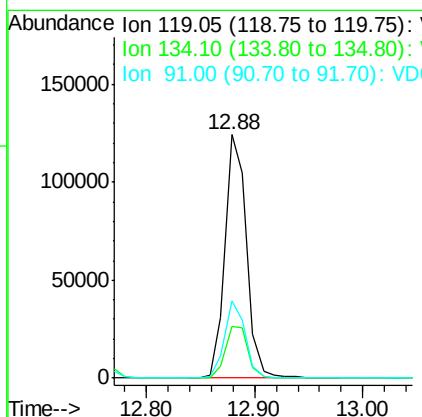
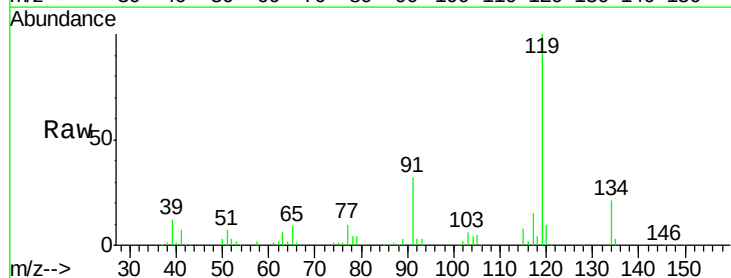
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

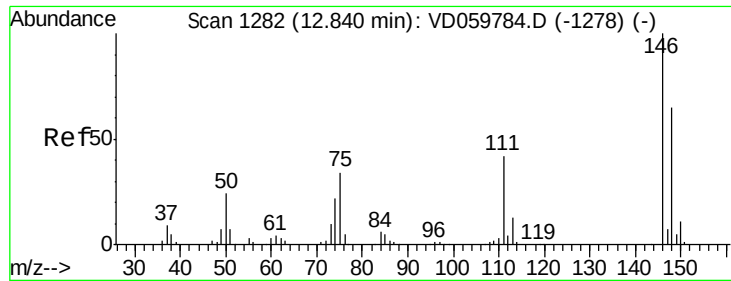
Tot Ion:105 Resp: 198326
 Ion Ratio Lower Upper
 105 100
 134 17.1 8.2 24.4



#86
 p-Isopropyltoluene
 Concen: 18.23 ug/l
 RT: 12.88 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VD059783.D
 Acq: 15 Aug 2018 00:23

Tgt Ion:119 Resp: 171751
 Ion Ratio Lower Upper
 119 100
 134 21.0 10.9 32.6
 91 31.7 16.4 49.4

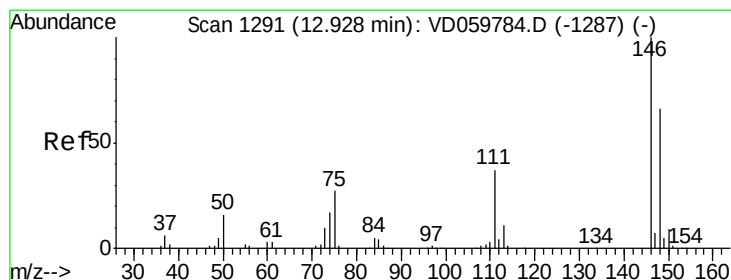
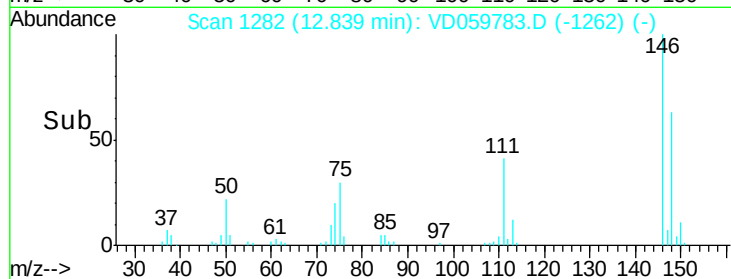
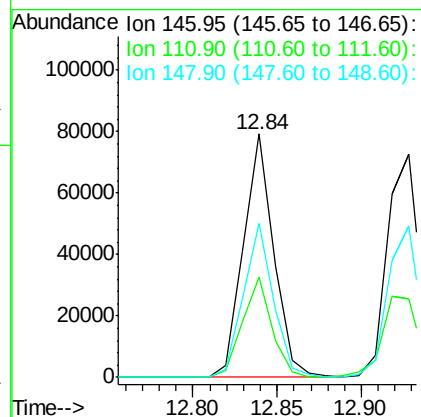
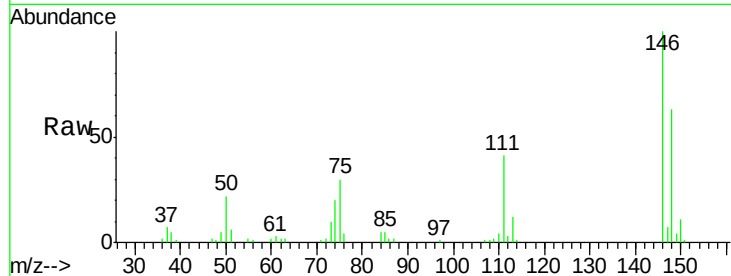




#87
 1,3-Dichlorobenzene
 Concen: 19.05 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VD059783.D
 Acq: 15 Aug 2018 00:23

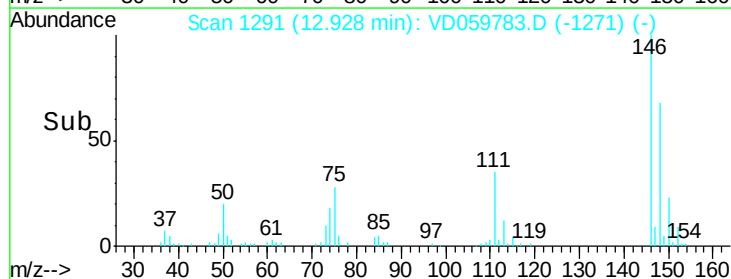
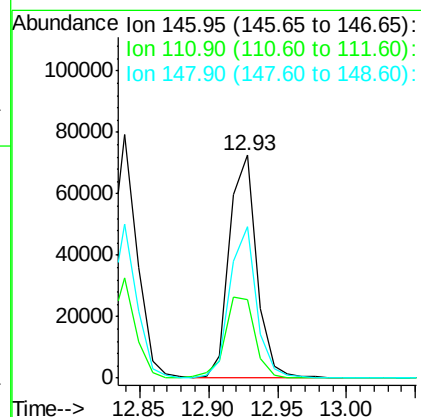
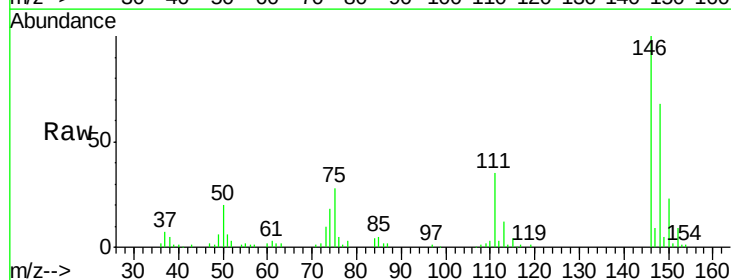
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

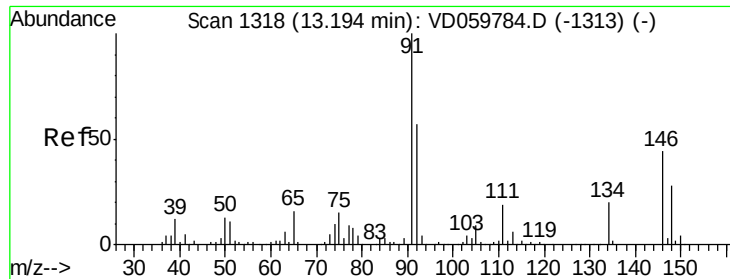
Tot Ion:146 Resp: 98760
 Ion Ratio Lower Upper
 146 100
 111 41.0 20.9 62.8
 148 63.2 32.6 97.8



#88
 1,4-Dichlorobenzene
 Concen: 19.04 ug/l
 RT: 12.93 min Scan# 1291
 Delta R.T. -0.00 min
 Lab File: VD059783.D
 Acq: 15 Aug 2018 00:23

Tgt Ion:146 Resp: 99508
 Ion Ratio Lower Upper
 146 100
 111 35.1 18.6 55.6
 148 67.9 33.0 99.0

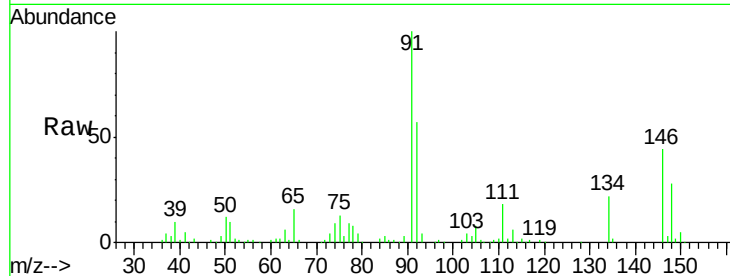




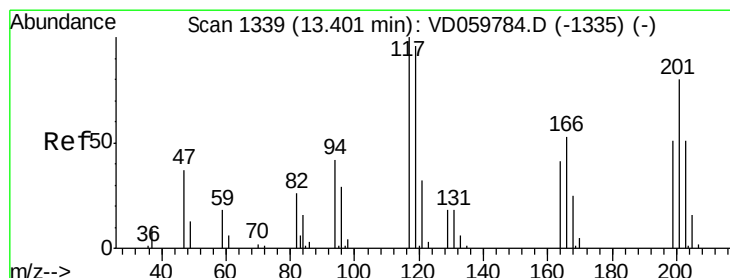
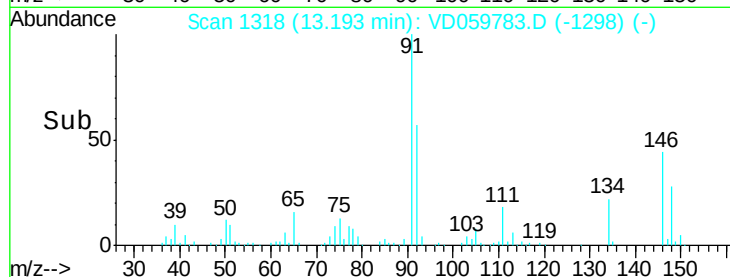
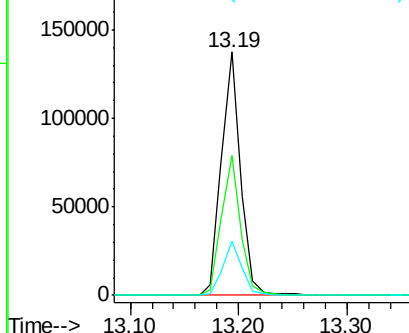
#89
n-Butylbenzene
Concen: 17.96 ug/l
RT: 13.19 min Scan# 1318
Delta R.T. -0.00 min
Lab File: VD059783.D
Acq: 15 Aug 2018 00:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 168863
Ion Ratio Lower Upper
91 100
92 57.3 28.4 85.3
134 22.0 10.2 30.4

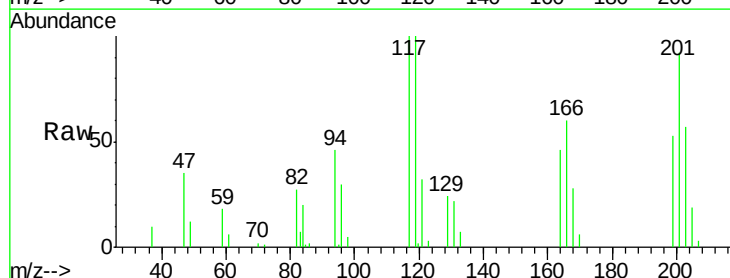


Abundance Ion 91.00 (90.70 to 91.70): VD
Ion 92.00 (91.70 to 92.70): VD
Ion 134.10 (133.80 to 134.80):

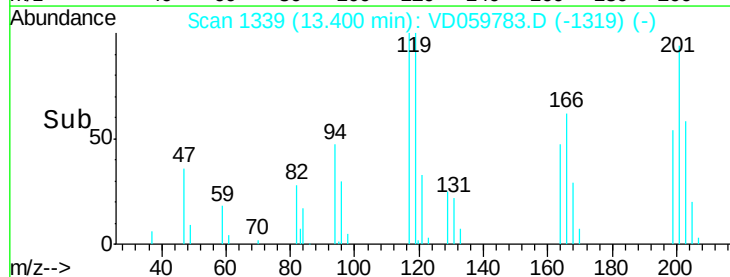
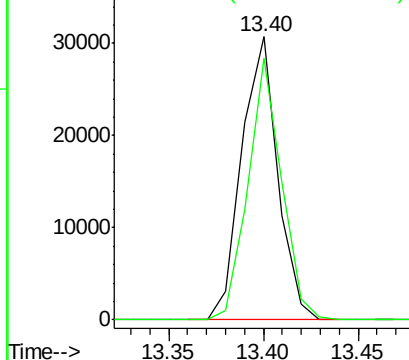


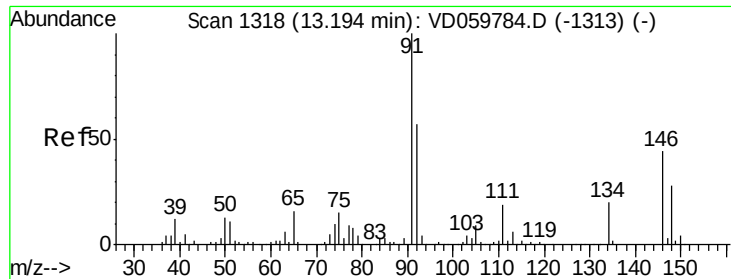
#90
Hexachloroethane
Concen: 16.68 ug/l
RT: 13.40 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VD059783.D
Acq: 15 Aug 2018 00:23

Tgt Ion: 117 Resp: 40332
Ion Ratio Lower Upper
117 100
201 92.5 39.9 119.7



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

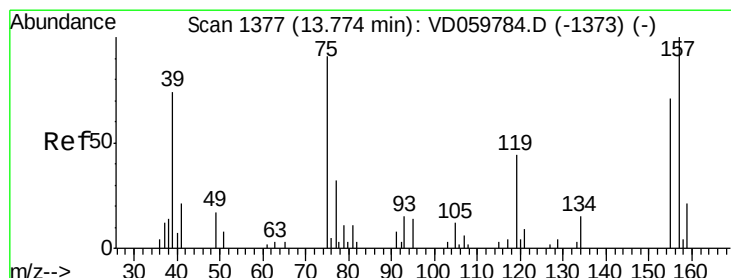
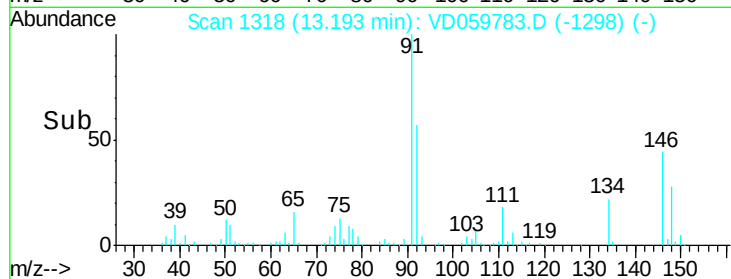
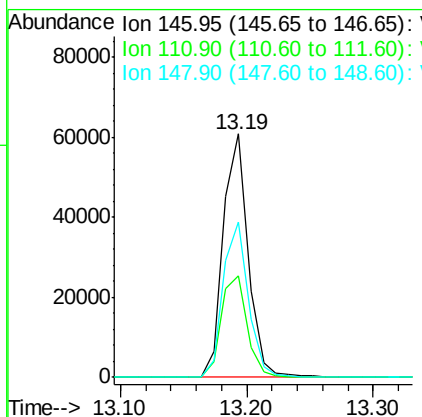
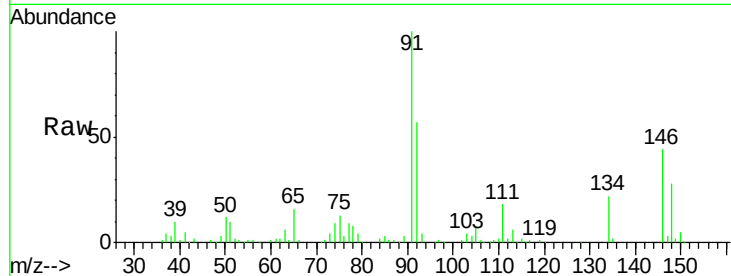




#91
 1,2-Dichlorobenzene
 Concen: 18.65 ug/l
 RT: 13.19 min Scan# 1318
 Delta R.T. -0.00 min
 Lab File: VD059783.D
 Acq: 15 Aug 2018 00:23

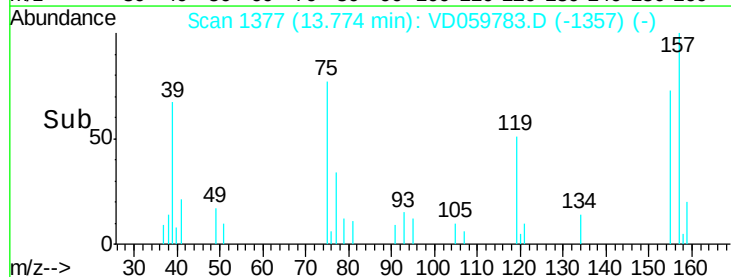
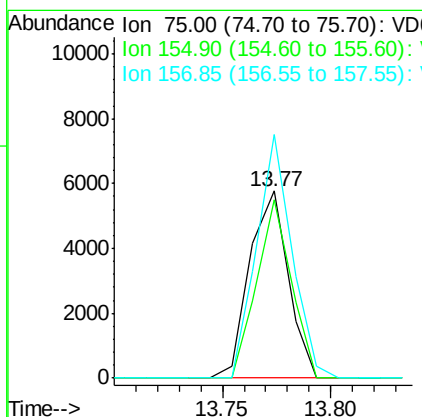
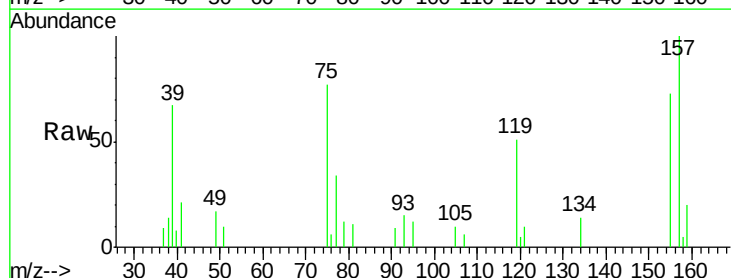
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

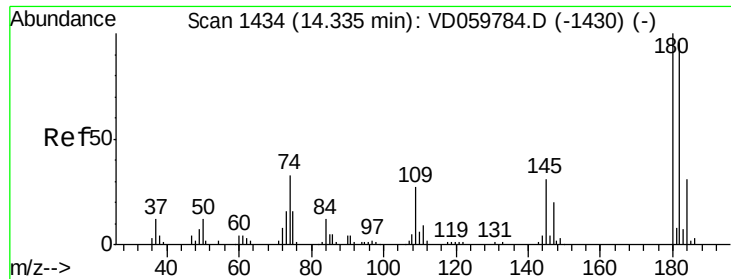
Tot Ion:146 Resp: 82816
 Ion Ratio Lower Upper
 146 100
 111 41.5 21.1 63.1
 148 63.8 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 15.40 ug/l
 RT: 13.77 min Scan# 1377
 Delta R.T. -0.00 min
 Lab File: VD059783.D
 Acq: 15 Aug 2018 00:23

Tgt Ion: 75 Resp: 7085
 Ion Ratio Lower Upper
 75 100
 155 95.7 39.0 117.0
 157 130.3 54.8 164.3

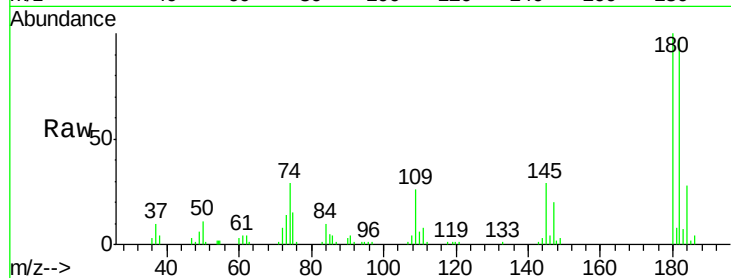




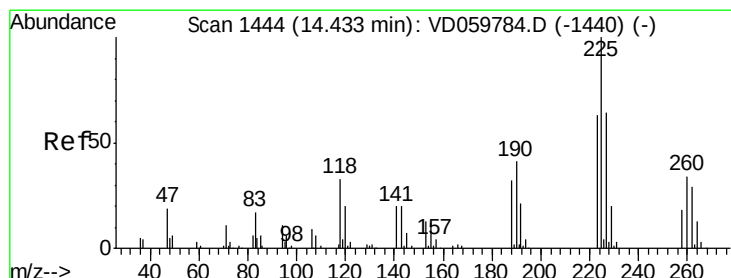
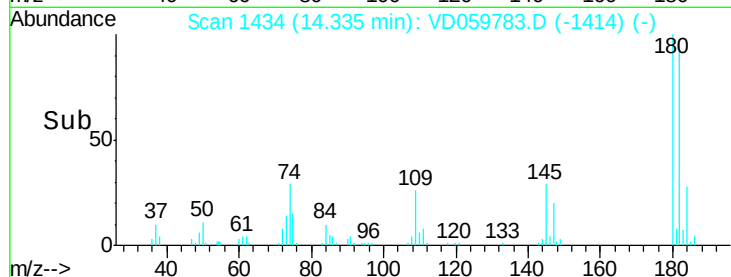
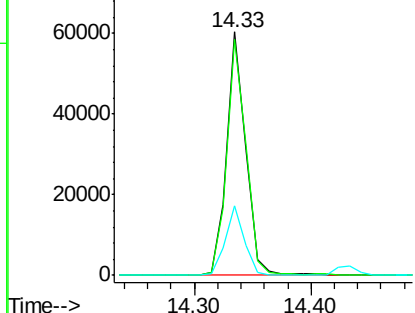
#93
 1,2,4-Trichlorobenzene
 Concen: 16.66 ug/l
 RT: 14.33 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VD059783.D
 Acq: 15 Aug 2018 00:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion:180 Resp: 68720
 Ion Ratio Lower Upper
 180 100
 182 96.6 48.0 144.0
 145 28.7 15.5 46.5

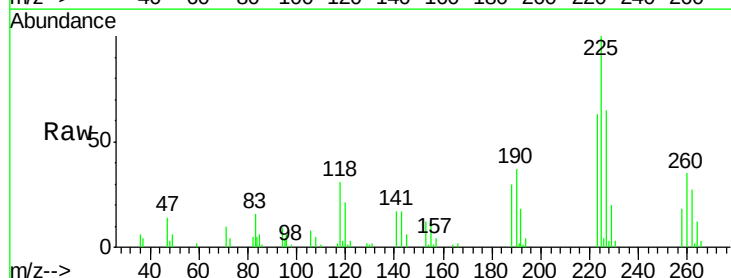


Abundance Ion 179.85 (179.55 to 180.55):
 Ion 181.85 (181.55 to 182.55):
 Ion 144.95 (144.65 to 145.65):

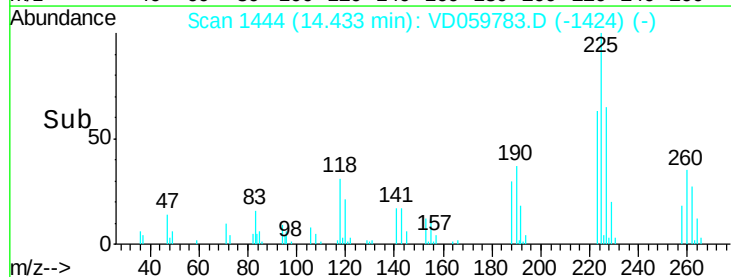
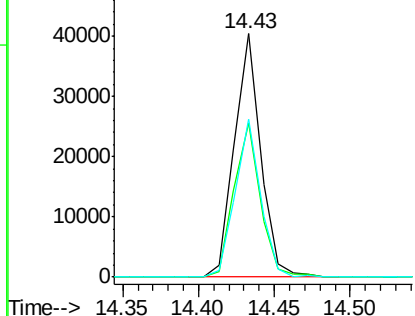


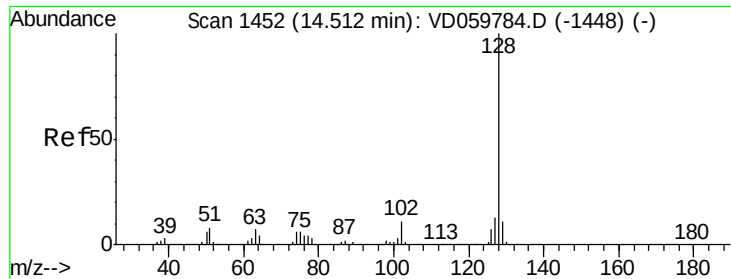
#94
 Hexachlorobutadiene
 Concen: 14.31 ug/l
 RT: 14.43 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: VD059783.D
 Acq: 15 Aug 2018 00:23

Tgt Ion:225 Resp: 48365
 Ion Ratio Lower Upper
 225 100
 223 63.4 31.4 94.2
 227 64.6 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: 18.39 ug/l

RT: 14.51 min Scan# 1452

Delta R.T. -0.00 min

Lab File: VD059783.D

Acq: 15 Aug 2018 00:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

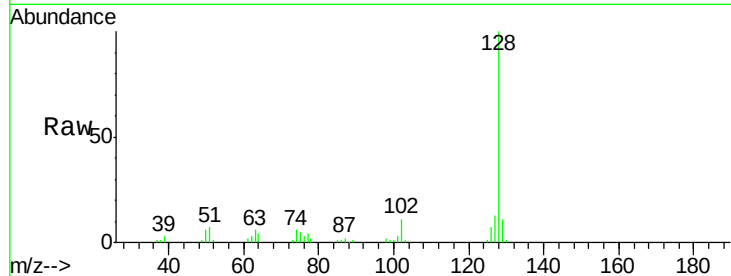
Tot Ion:128 Resp: 103502

Ion Ratio Lower Upper

128 100

127 13.1 10.3 15.5

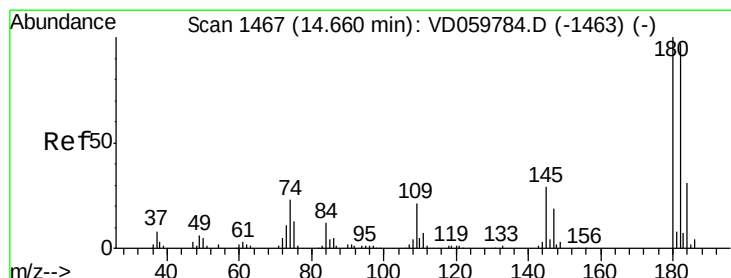
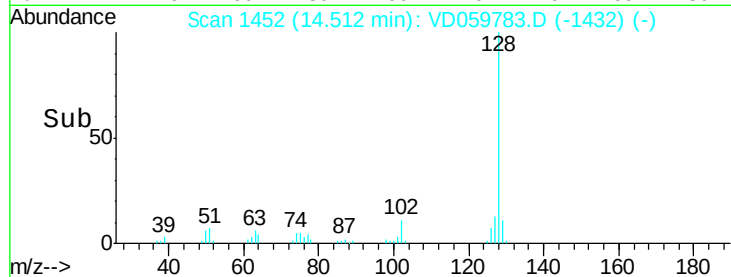
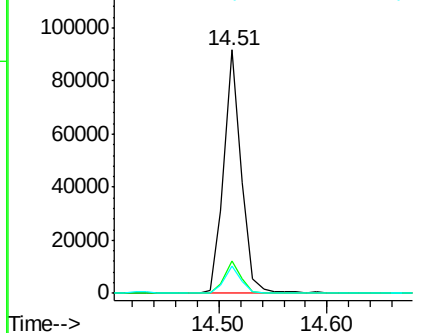
129 11.3 9.1 13.7



Abundance Ion 128.00 (127.70 to 128.70):

Ion 127.00 (126.70 to 127.70):

Ion 129.00 (128.70 to 129.70):



#96

1,2,3-Trichlorobenzene

Concen: 16.92 ug/l

RT: 14.66 min Scan# 1467

Delta R.T. -0.00 min

Lab File: VD059783.D

Acq: 15 Aug 2018 00:23

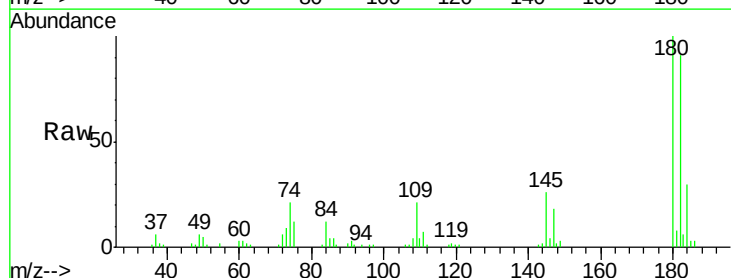
Tgt Ion:180 Resp: 59596

Ion Ratio Lower Upper

180 100

182 91.0 48.5 145.5

145 26.0 14.3 42.9



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):

