

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072518\
 Data File : VD059601.D
 Acq On : 25 Jul 2018 21:25
 Operator : VA/AP
 Sample : VSTDCCC050EC
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jul 26 05:38:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 07:10:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	130015	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	6.68	114	166672	50.00	ug/l	0.02
63) Chlorobenzene-d5	10.68	117	143507	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.91	152	73185	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.00	65	88378	54.07	ug/l	0.02
Spiked Amount				50.000		
			Recovery	=	108.14%	
35) Dibromofluoromethane	5.53	113	77640	54.30	ug/l	0.02
Spiked Amount				50.000		
			Recovery	=	108.60%	
50) Toluene-d8	8.70	98	163039	50.27	ug/l	0.02
Spiked Amount				50.000		
			Recovery	=	100.54%	
62) 4-Bromofluorobenzene	11.92	95	78072	53.44	ug/l	0.01
Spiked Amount				50.000		
			Recovery	=	106.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.33	85	71806	50.12	ug/l	96
3) Chloromethane	1.47	50	33992	41.83	ug/l	97
4) Vinyl Chloride	1.54	62	40975	48.45	ug/l	91
5) Bromomethane	1.76	94	10593	65.29	ug/l	83
6) Chloroethane	1.85	64	23857	96.44	ug/l	96
7) Trichlorofluoromethane	2.06	101	84933	58.87	ug/l	98
8) Diethyl Ether	2.32	74	13595	49.85	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.53	101	41105	54.07	ug/l	95
10) Methyl Iodide	2.68	142	47398	48.12	ug/l	96
11) Tert butyl alcohol	3.25	59	17748	272.18	ug/l #	91
12) 1,1-Dichloroethene	2.52	96	29612	53.74	ug/l	84
13) Acrolein	2.45	56	9288	276.48	ug/l #	79
14) Allyl chloride	2.90	41	67242	50.33	ug/l	98
15) Acrylonitrile	3.34	53	40908	289.27	ug/l	95
16) Acetone	2.59	43	58807	238.24	ug/l #	92
17) Carbon Disulfide	2.74	76	108947	49.78	ug/l	100
18) Methyl Acetate	2.91	43	25925	52.52	ug/l	99
19) Methyl tert-butyl Ether	3.39	73	132540	71.77	ug/l	94
20) Methylene Chloride	3.05	84	36175	51.40	ug/l	95
21) trans-1,2-Dichloroethene	3.37	96	40350	67.91	ug/l	96
22) Diisopropyl ether	4.04	45	169014	48.11	ug/l	90
23) Vinyl Acetate	4.00	43	541318	242.78	ug/l	99
24) 1,1-Dichloroethane	3.95	63	110694	49.91	ug/l	98
25) 2-Butanone	4.81	43	88445	234.96	ug/l	99
26) 2,2-Dichloropropane	4.77	77	110139	48.49	ug/l	97
27) cis-1,2-Dichloroethene	4.78	96	61119	51.50	ug/l	98
28) Bromochloromethane	5.13	49	49271	56.15	ug/l #	99
29) Tetrahydrofuran	5.17	42	43450	249.29	ug/l	99
30) Chloroform	5.30	83	135687	51.15	ug/l	98
31) Cyclohexane	5.57	56	72466	51.04	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	135257	52.67	ug/l	96
36) 1,1-Dichloropropene	5.73	75	91040	54.43	ug/l	94
37) Ethyl Acetate	4.90	43	44887	52.17	ug/l	97
38) Carbon Tetrachloride	5.71	117	124028	54.16	ug/l	94

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.27	83	80172	52.13	ug/l	94
40) Benzene	5.99	78	179341	52.29	ug/l	100
41) Methacrylonitrile	5.11	41	24123	56.19	ug/l	98
42) 1,2-Dichloroethane	6.11	62	112940	54.66	ug/l	100
43) Isopropyl Acetate	7.61	43	62520	52.41	ug/l	97
44) Trichloroethene	6.97	130	65764	52.87	ug/l	96
45) 1,2-Dichloropropane	7.33	63	50076	52.14	ug/l	91
46) Dibromomethane	7.45	93	44501	54.81	ug/l	98
47) Bromodichloromethane	7.72	83	109072	56.25	ug/l	98
48) Methyl methacrylate	7.49	41	43301	54.73	ug/l	93
49) 1,4-Dioxane	7.48	88	7789	1051.28	ug/l	98
51) 4-Methyl-2-Pentanone	8.59	43	207043	259.89	ug/l	99
52) Toluene	8.80	92	111922	49.21	ug/l	97
53) t-1,3-Dichloropropene	9.18	75	89851	51.38	ug/l	100
54) cis-1,3-Dichloropropene	8.34	75	92919	53.50	ug/l	97
55) 1,1,2-Trichloroethane	9.44	97	43930	51.42	ug/l	97
56) Ethyl methacrylate	9.31	69	53863	55.56	ug/l	96
57) 1,3-Dichloropropane	9.65	76	70945	52.26	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.18	63	116270	255.26	ug/l	99
59) 2-Hexanone	9.78	43	149046	235.54	ug/l	96
60) Dibromochloromethane	9.95	129	76899	54.21	ug/l	97
61) 1,2-Dibromoethane	10.08	107	54237	53.57	ug/l	98
64) Tetrachloroethene	9.50	164	61700	47.44	ug/l	96
65) Chlorobenzene	10.71	112	142981	48.60	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.84	131	67831	53.01	ug/l	96
67) Ethyl Benzene	10.85	91	259814	51.38	ug/l	97
68) m/p-Xylenes	11.01	106	159910	94.68	ug/l	100
69) o-Xylene	11.40	106	74560	45.50	ug/l	90
70) Styrene	11.42	104	126250	46.46	ug/l	95
71) Bromoform	11.59	173	53574	51.42	ug/l	99
73) Isopropylbenzene	11.77	105	239224	46.27	ug/l	99
74) N-amyl acetate	11.64	43	85011	47.99	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.07	83	52469	49.71	ug/l	97
76) 1,2,3-Trichloropropane	12.11	75	59334	49.03	ug/l	100
77) Bromobenzene	12.03	156	71957	47.54	ug/l	92
78) n-propylbenzene	12.15	91	291684	46.43	ug/l	100
79) 2-Chlorotoluene	12.21	91	181450	48.45	ug/l	98
80) 1,3,5-Trimethylbenzene	12.32	105	191227	46.85	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.84	75	14613	47.23	ug/l	95
82) 4-Chlorotoluene	12.32	91	208131	49.14	ug/l	87
83) tert-Butylbenzene	12.57	119	217691	47.37	ug/l	99
84) 1,2,4-Trimethylbenzene	12.62	105	209398	48.26	ug/l	98
85) sec-Butylbenzene	12.75	105	227441	43.31	ug/l	97
86) p-Isopropyltoluene	12.88	119	208730	47.16	ug/l	95
87) 1,3-Dichlorobenzene	12.84	146	118612	46.34	ug/l	98
88) 1,4-Dichlorobenzene	12.93	146	114426	46.40	ug/l	98
89) n-Butylbenzene	13.19	91	195503	45.75	ug/l	98
90) Hexachloroethane	13.40	117	60722	51.35	ug/l	88
91) 1,2-Dichlorobenzene	13.19	146	97584	45.44	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.77	75	11081	52.07	ug/l	86

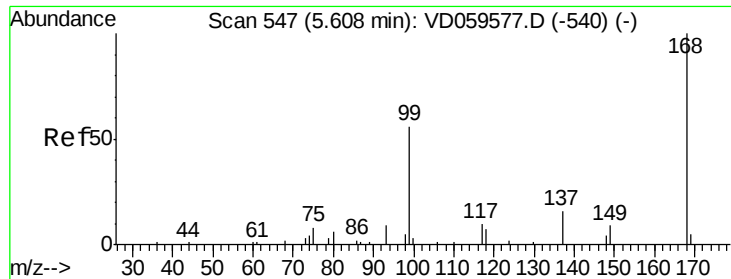
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072518\
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Quant Title : SW846 8260
QLast Update : Wed Jul 25 07:10:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	82389	46.32	µg/l	94
94) Hexachlorobutadiene	14.43	225	68683	48.96	µg/l	100
95) Naphthalene	14.51	128	124054	49.04	µg/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	75913	47.17	µg/l	97

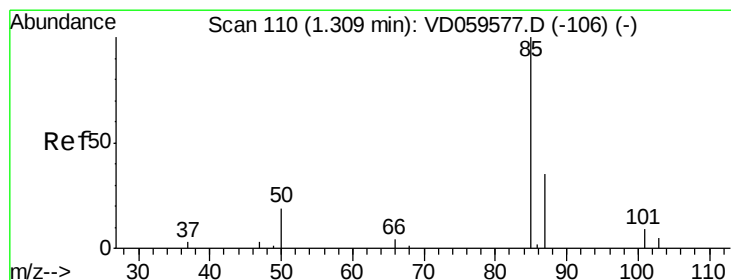
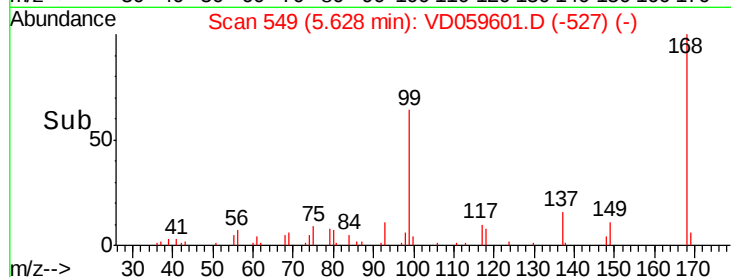
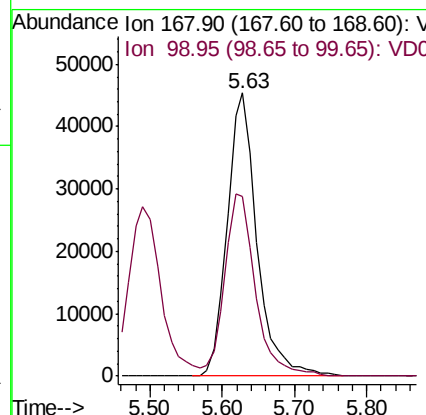
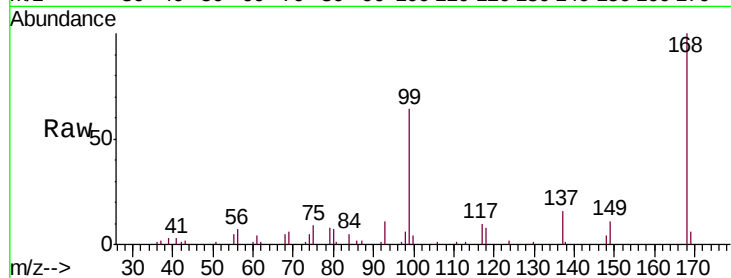
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.63 min Scan# 549
Delta R.T. 0.02 min
Lab File: VD059601.D
Acq: 25 Jul 2018 21:25

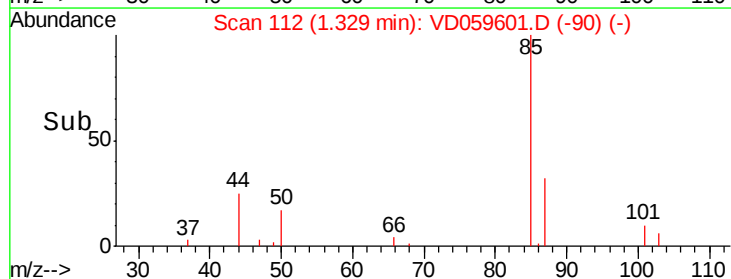
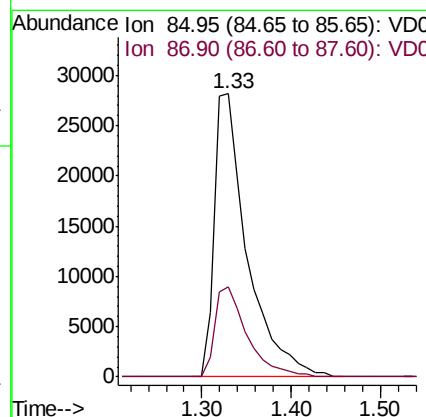
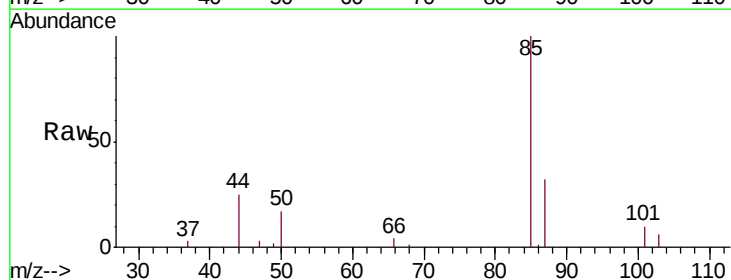
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

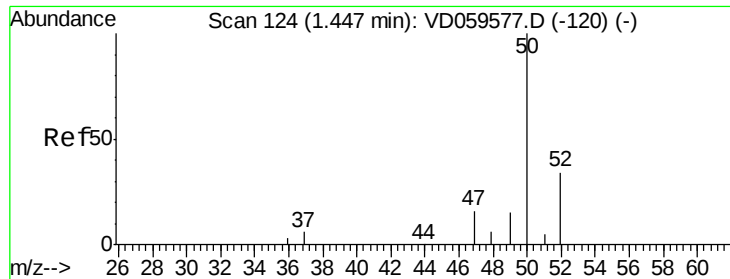
Tot Ion:168 Resp: 130015
Ion Ratio Lower Upper
168 100
99 63.6 47.3 70.9



#2
Dichlorodifluoromethane
Concen: 50.12 ug/l
RT: 1.33 min Scan# 112
Delta R.T. 0.02 min
Lab File: VD059601.D
Acq: 25 Jul 2018 21:25

Tgt Ion: 85 Resp: 71806
Ion Ratio Lower Upper
85 100
87 32.0 17.3 51.7

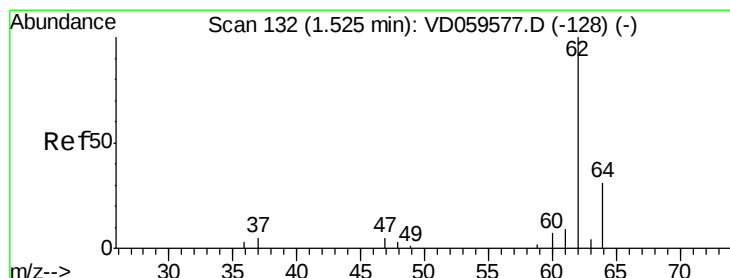
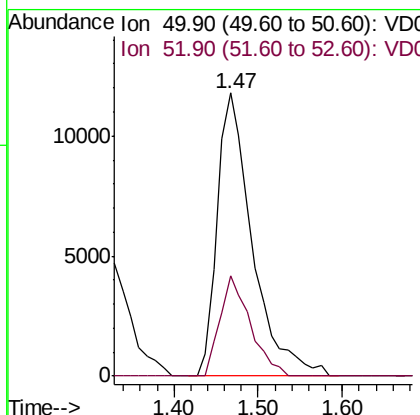
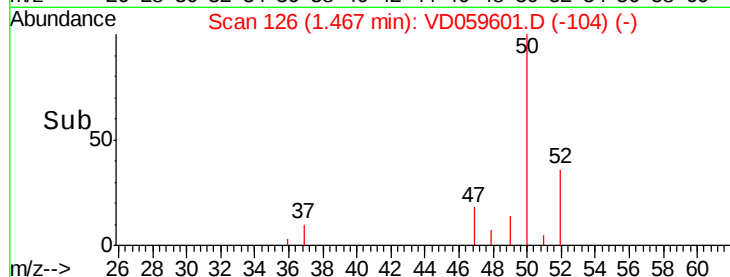
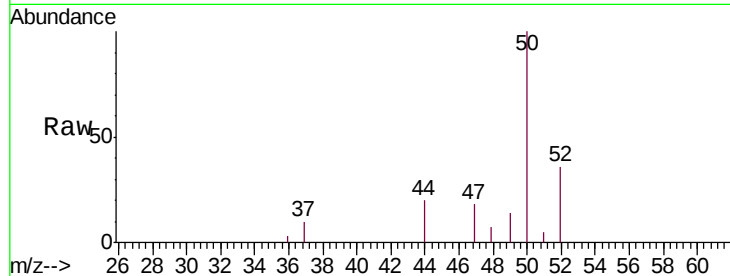




#3
 Chloromethane
 Concen: 41.83 ug/l
 RT: 1.47 min Scan# 126
 Delta R.T. 0.02 min
 Lab File: VD059601.D
 Acq: 25 Jul 2018 21:25

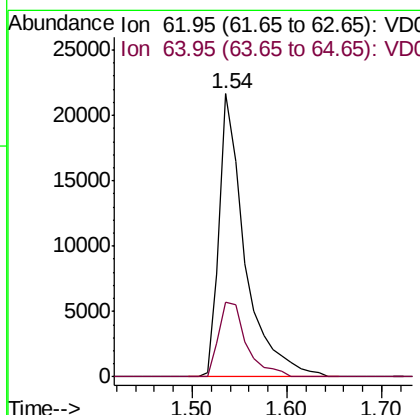
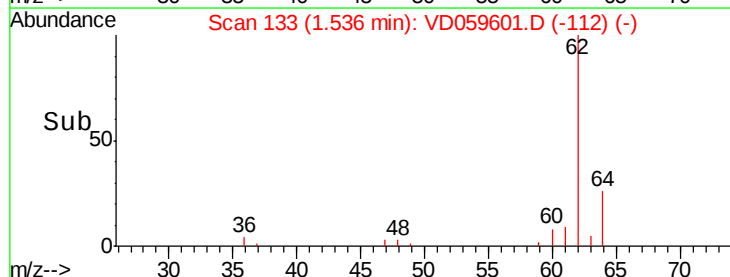
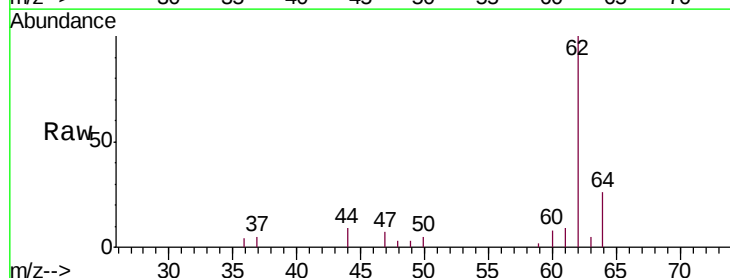
Instrument :
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 ClientSampleId :
 VSTDCCC050EC

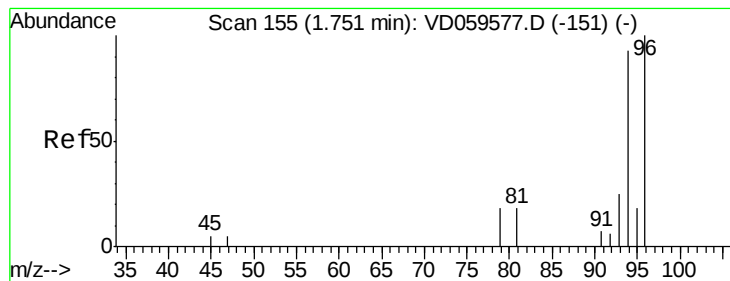
Tot Ion: 50 Resp: 33992
 Ion Ratio Lower Upper
 50 100
 52 35.7 27.3 40.9



#4
 Vinyl Chloride
 Concen: 48.45 ug/l
 RT: 1.54 min Scan# 133
 Delta R.T. 0.01 min
 Lab File: VD059601.D
 Acq: 25 Jul 2018 21:25

Tgt Ion: 62 Resp: 40975
 Ion Ratio Lower Upper
 62 100
 64 26.3 25.0 37.4





#5

Bromomethane

Concen: 65.29 ug/l

RT: 1.76 min Scan# 156

Delta R.T. 0.01 min

Lab File: VD059601.D

Acq: 25 Jul 2018 21:25

Instrument :

MSVOA_D

ClientSampleId :

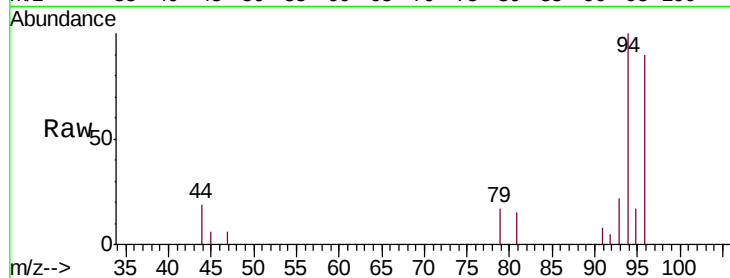
VSTDCCC050EC

Tot Ion: 94 Resp: 10593

Ion Ratio Lower Upper

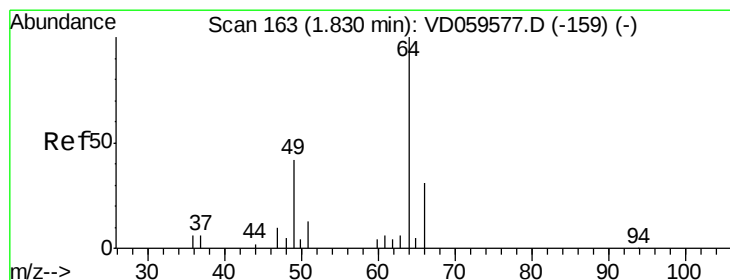
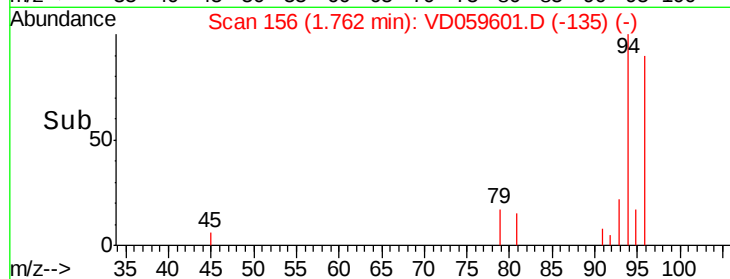
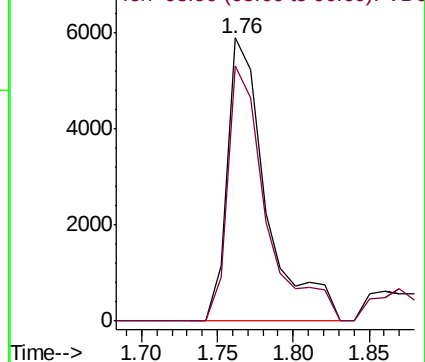
94 100

96 90.3 86.2 129.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 96.44 ug/l

RT: 1.85 min Scan# 165

Delta R.T. 0.02 min

Lab File: VD059601.D

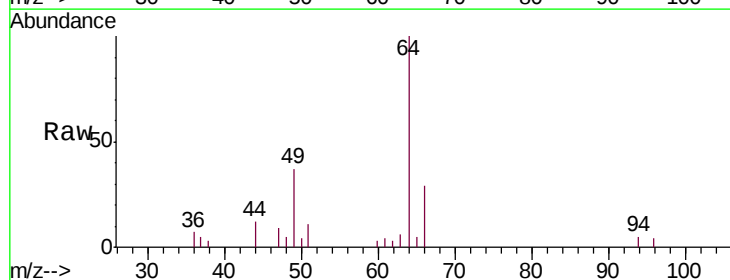
Acq: 25 Jul 2018 21:25

Tgt Ion: 64 Resp: 23857

Ion Ratio Lower Upper

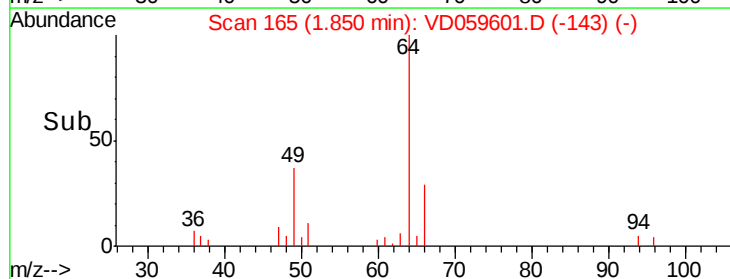
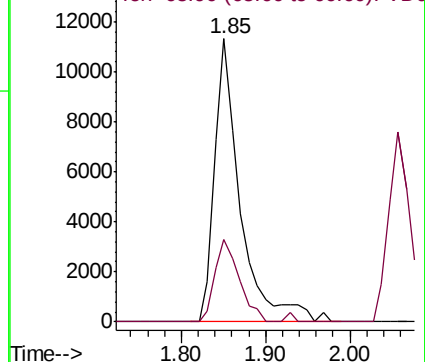
64 100

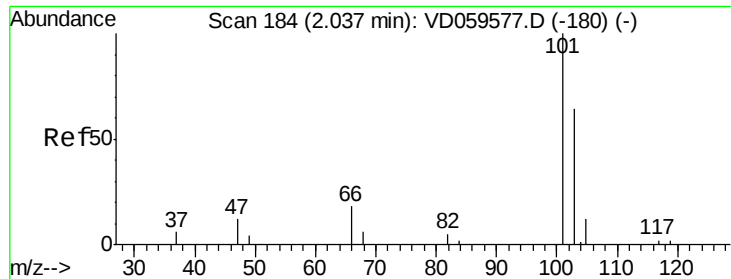
66 29.0 25.2 37.8



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



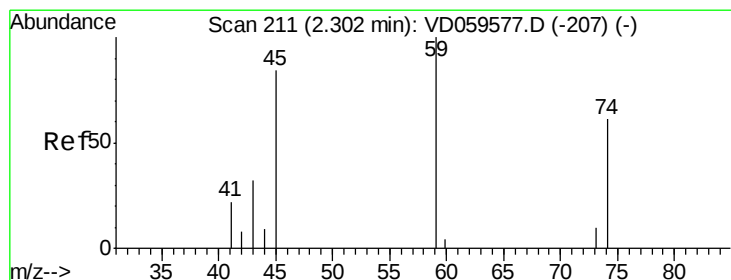
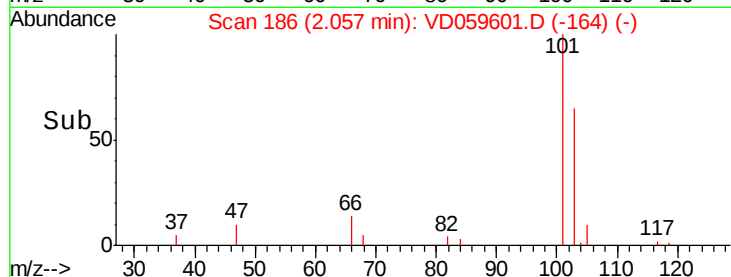
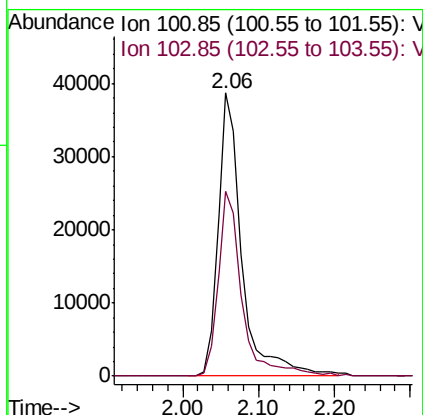
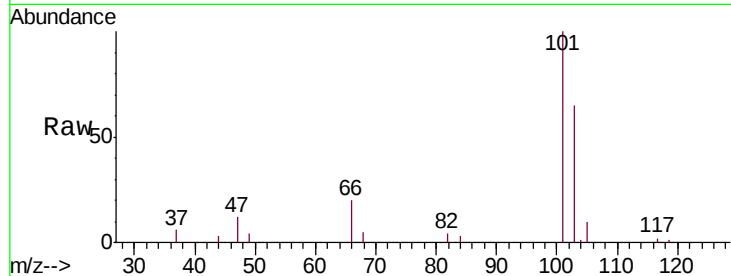


#7

Trichlorofluoromethane
 Concen: 58.87 ug/l
 RT: 2.06 min Scan# 186
 Delta R.T. 0.02 min
 Lab File: VD059601.D
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Instrument :
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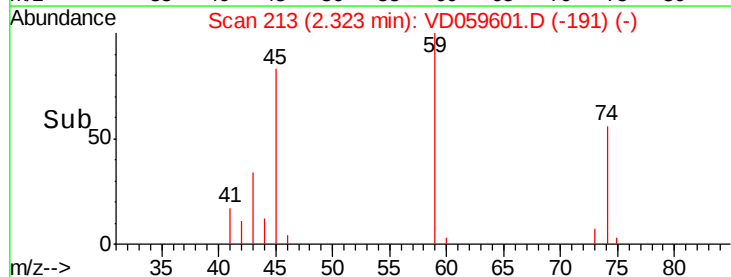
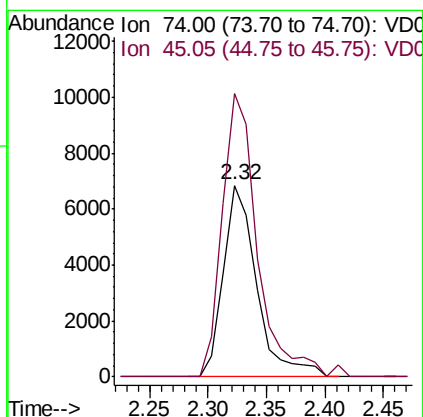
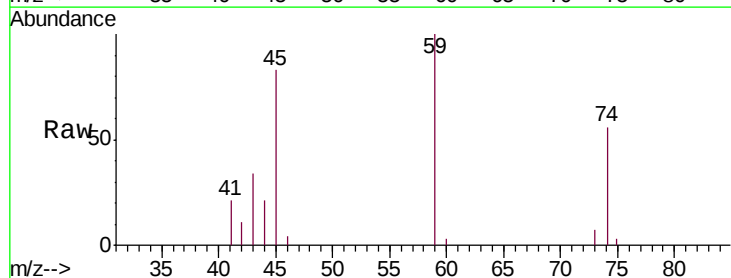
Tot Ion:101 Resp: 84933
 Ion Ratio Lower Upper
 101 100
 103 65.5 50.9 76.3

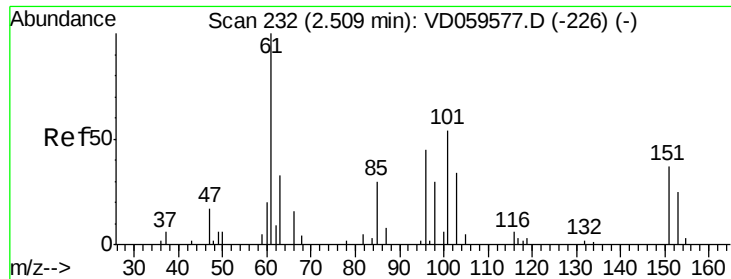


#8

Diethyl Ether
 Concen: 49.85 ug/l
 RT: 2.32 min Scan# 213
 Delta R.T. 0.02 min
 Lab File: VD059601.D
 Acq: 25 Jul 2018 21:25

Tgt Ion: 74 Resp: 13595
 Ion Ratio Lower Upper
 74 100
 45 148.0 69.0 207.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.07 ug/l

RT: 2.53 min Scan# 234

Delta R.T. 0.02 min

Lab File: VD059601.D

Acq: 25 Jul 2018 21:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

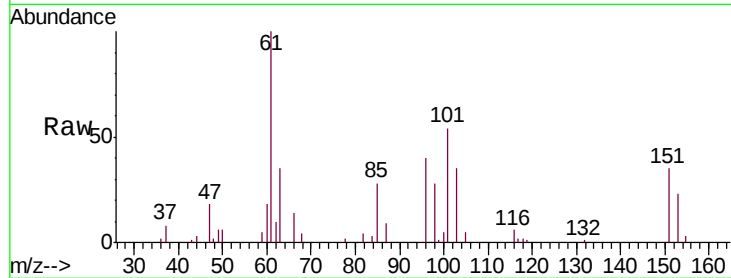
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Ion Ratio Lower Upper

101 100

85 51.5 44.5 66.7

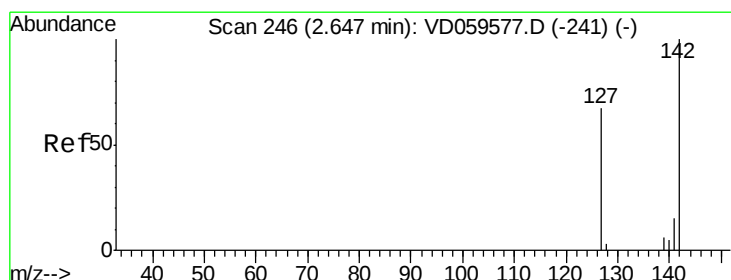
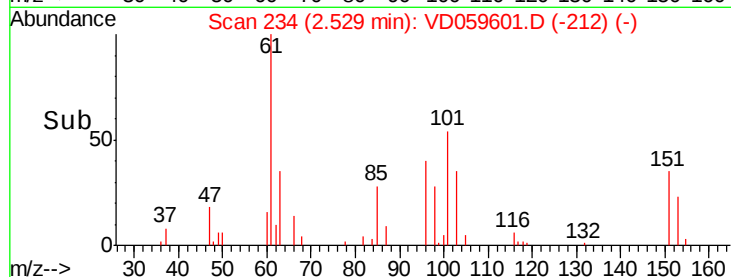
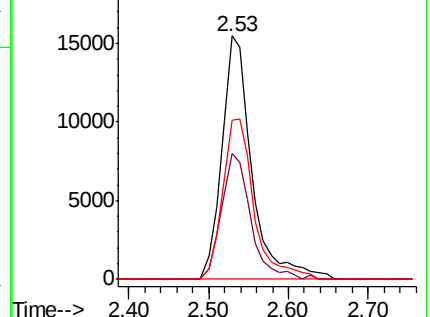
151 65.3 55.4 83.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 48.12 ug/l

RT: 2.68 min Scan# 249

Delta R.T. 0.03 min

Lab File: VD059601.D

Acq: 25 Jul 2018 21:25

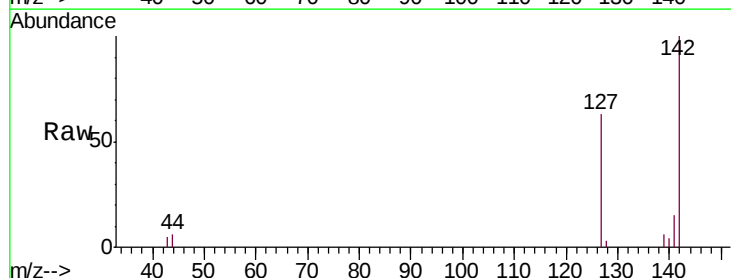
Tgt Ion:142 Resp: 47398

Ion Ratio Lower Upper

142 100

127 63.2 53.6 80.4

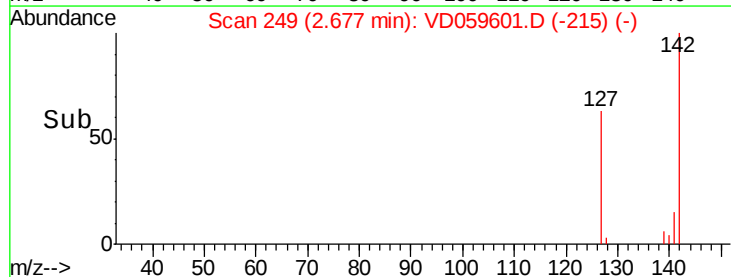
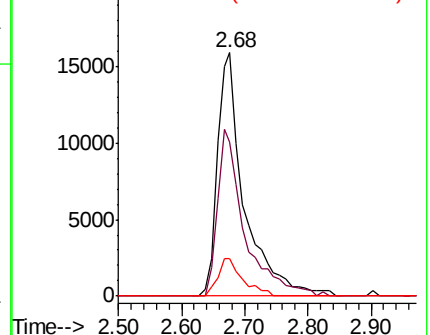
141 15.4 12.2 18.2

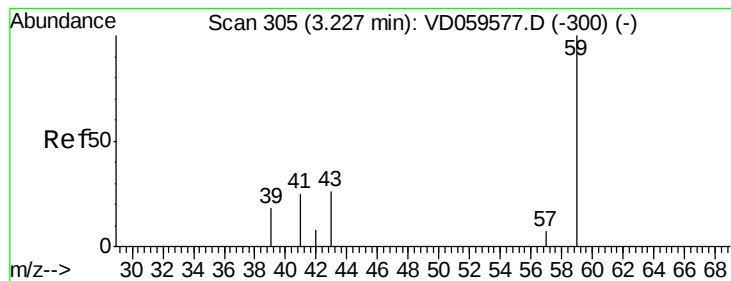


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



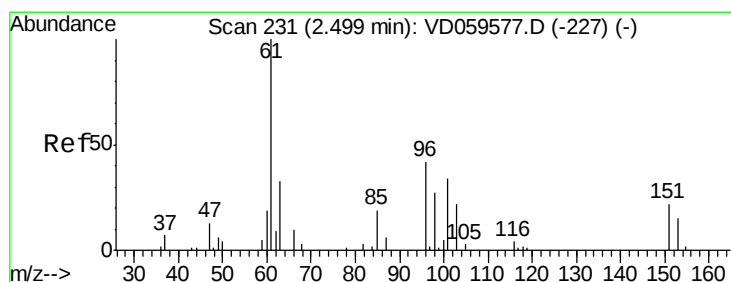
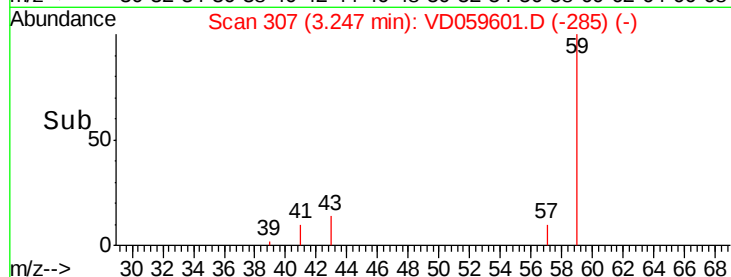
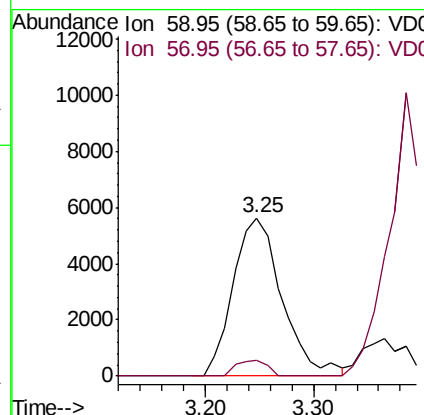
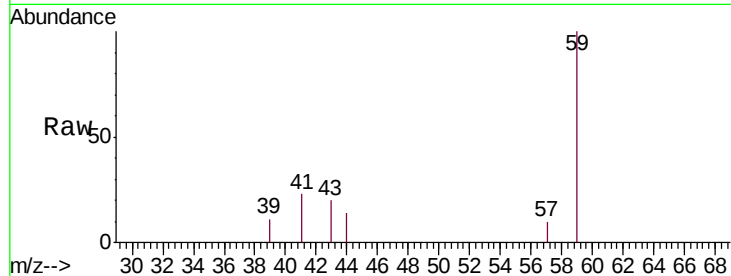


#11

Tert butyl alcohol
 Concen: 272.18 ug/l
 RT: 3.25 min Scan# 307
 Delta R.T. 0.02 min
 Lab File: VD059601.D
 Acq: 25 Jul 2018 21:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

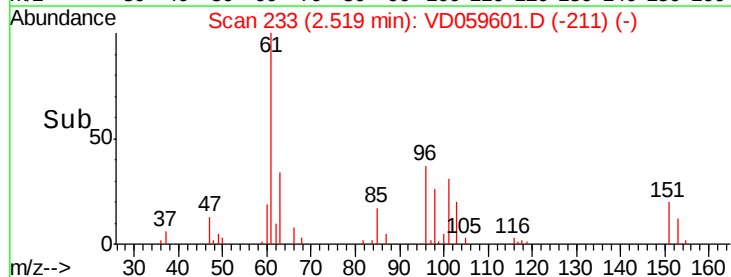
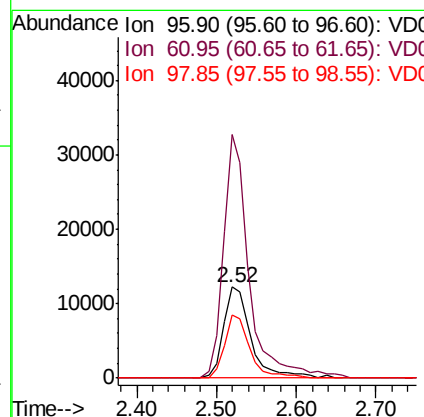
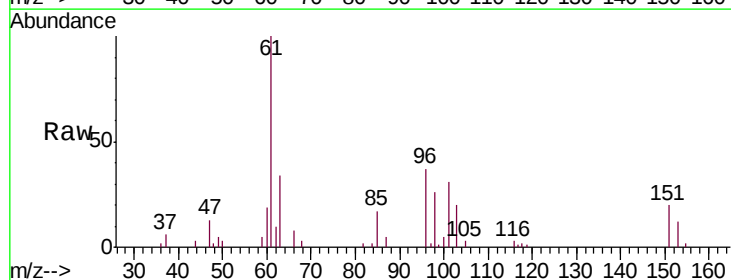
Tot Ion: 59 Resp: 17748
 Ion Ratio Lower Upper
 59 100
 57 9.9 5.5 8.3#

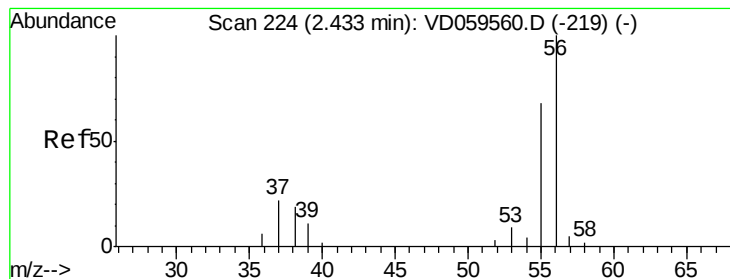


#12

1,1-Dichloroethene
 Concen: 53.74 ug/l
 RT: 2.52 min Scan# 233
 Delta R.T. 0.02 min
 Lab File: VD059601.D
 Acq: 25 Jul 2018 21:25

Tgt Ion: 96 Resp: 29612
 Ion Ratio Lower Upper
 96 100
 61 268.3 188.8 283.2
 98 69.2 51.4 77.2





#13

Acrolein

Concen: 276.48 ug/l

RT: 2.45 min Scan# 226

Delta R.T. 0.02 min

Lab File: VD059601.D

Acq: 25 Jul 2018 21:25

Instrument :

MSVOA_D

ClientSampleId :

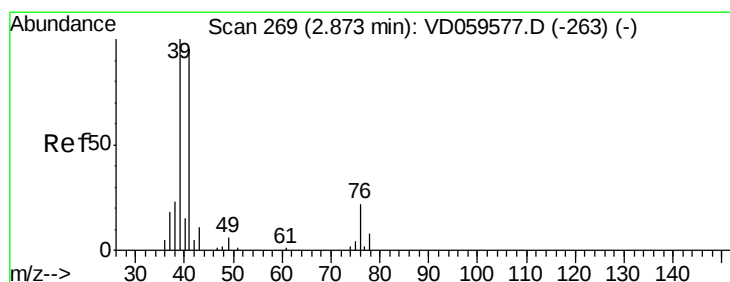
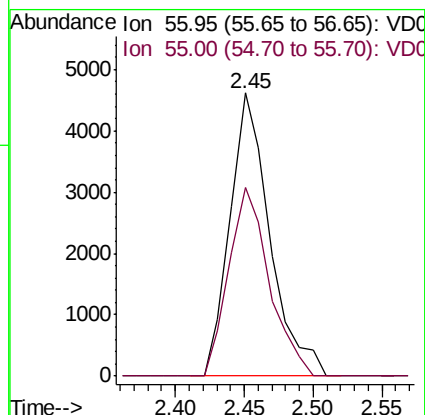
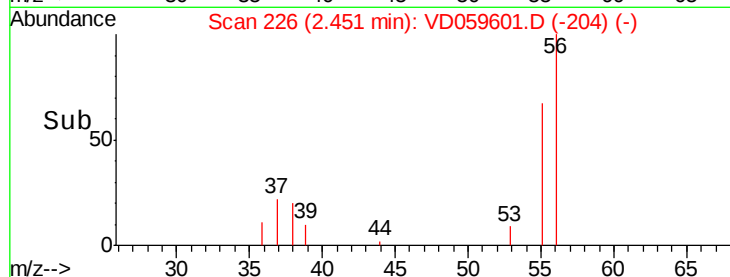
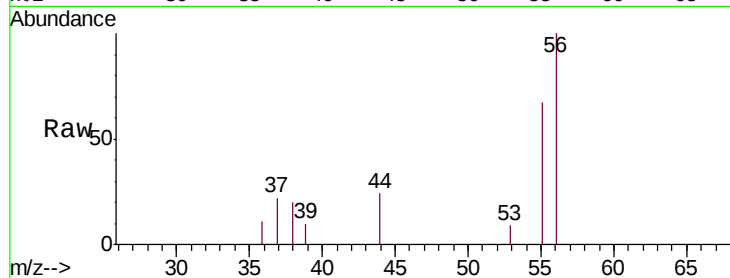
VSTDCCC050EC

Tot Ion: 56 Resp: 9288

Ion Ratio Lower Upper

56 100

55 66.8 69.1 103.7#



#14

Allyl chloride

Concen: 50.33 ug/l

RT: 2.90 min Scan# 272

Delta R.T. 0.03 min

Lab File: VD059601.D

Acq: 25 Jul 2018 21:25

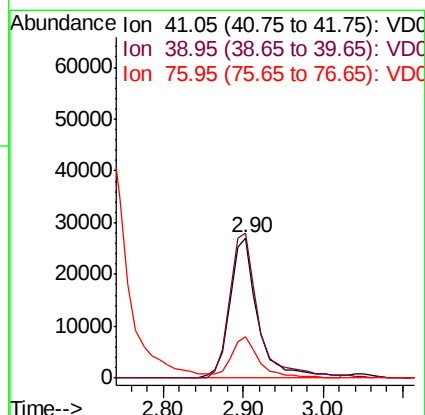
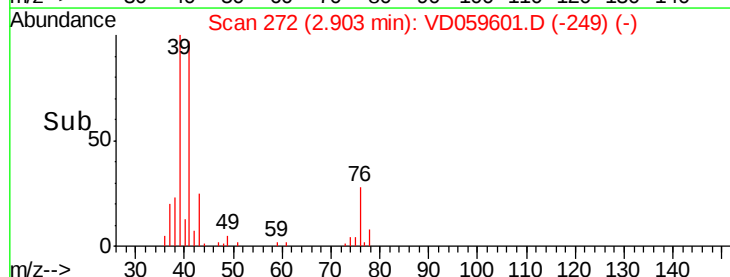
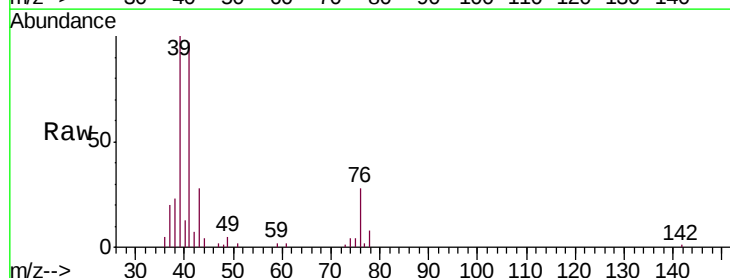
Tgt Ion: 41 Resp: 67242

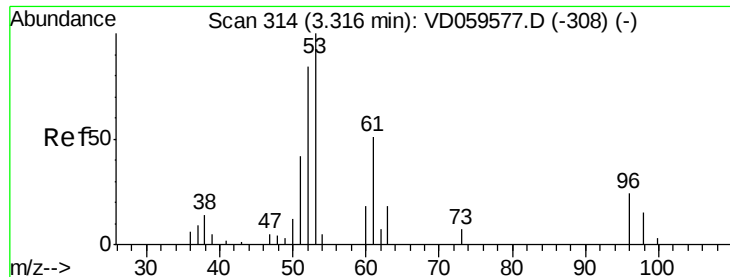
Ion Ratio Lower Upper

41 100

39 103.4 83.8 125.8

76 29.1 22.2 33.4





#15

Acrylonitrile

Concen: 289.27 ug/l

RT: 3.34 min Scan# 316

Delta R.T. 0.02 min

Lab File: VD059601.D

Acq: 25 Jul 2018 21:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

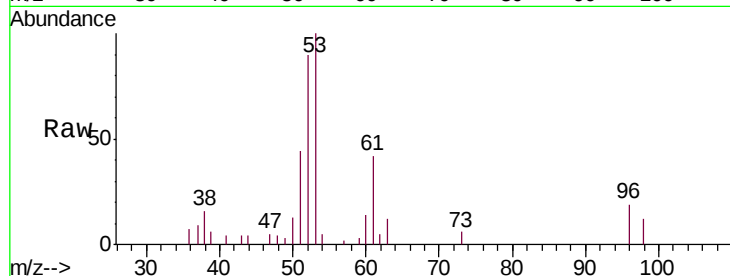
Tot Ion: 53 Resp: 40908

Ion Ratio Lower Upper

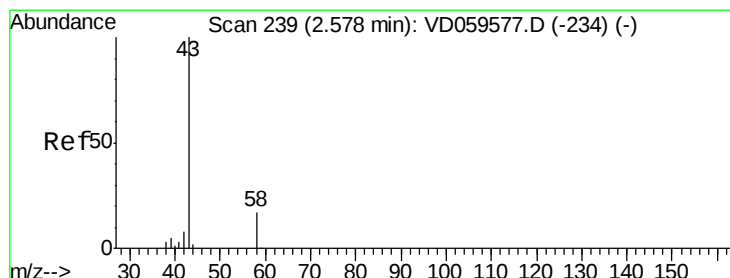
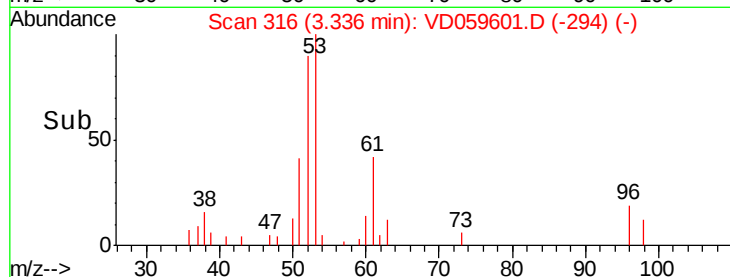
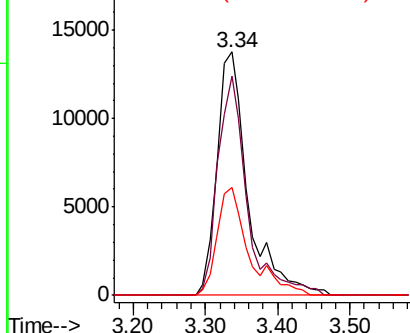
53 100

52 89.9 67.6 101.4

51 44.5 33.7 50.5



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



#16

Acetone

Concen: 238.24 ug/l

RT: 2.59 min Scan# 240

Delta R.T. 0.01 min

Lab File: VD059601.D

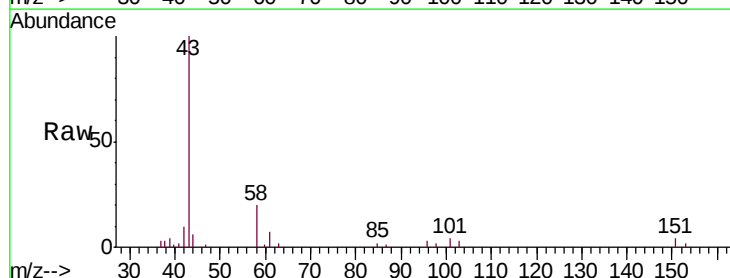
Acq: 25 Jul 2018 21:25

Tgt Ion: 43 Resp: 58807

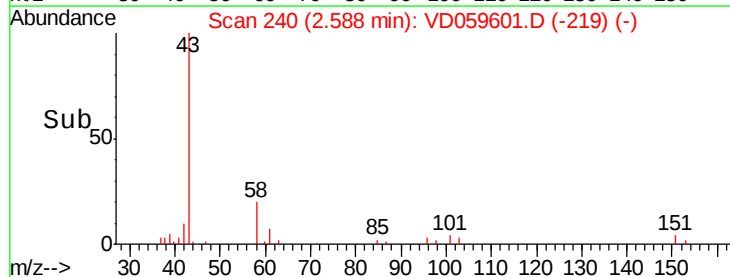
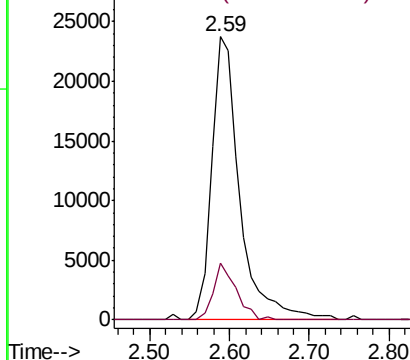
Ion Ratio Lower Upper

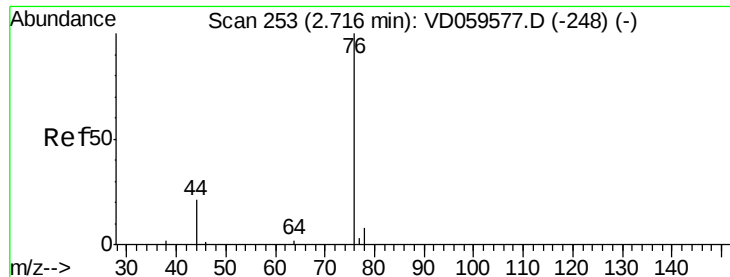
43 100

58 20.1 13.4 20.0#



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

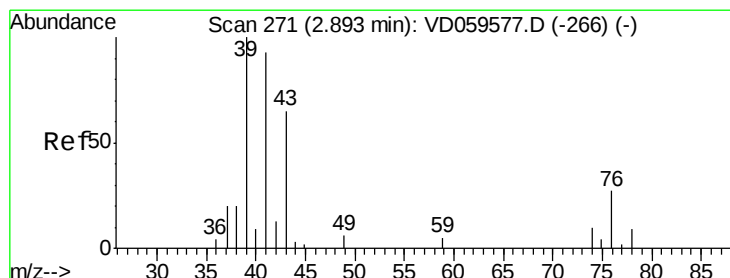
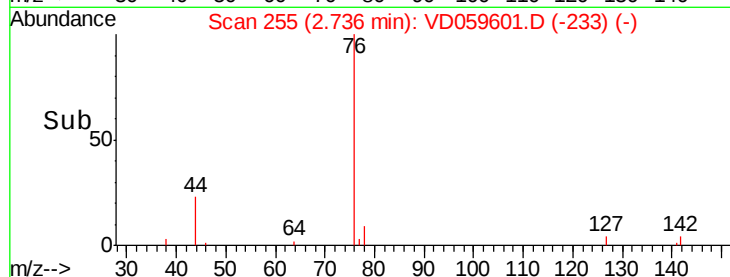
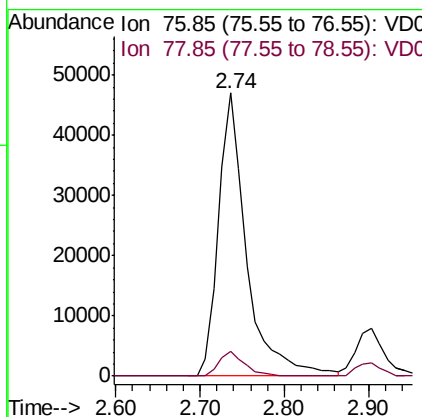
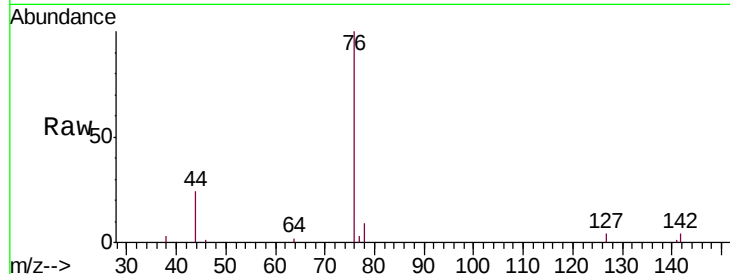




#17
Carbon Disulfide
Concen: 49.78 ug/l
RT: 2.74 min Scan# 255
Delta R.T. 0.02 min
Lab File: VD059601.D
Acq: 25 Jul 2018 21:25

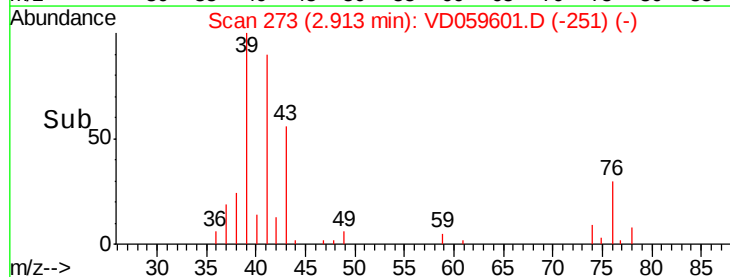
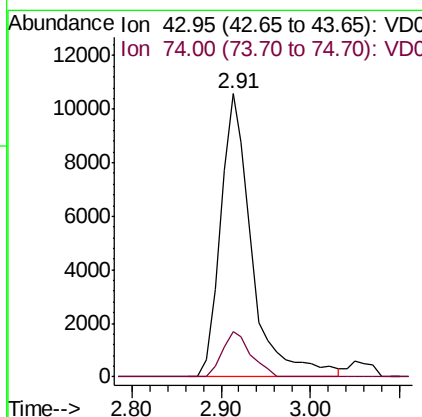
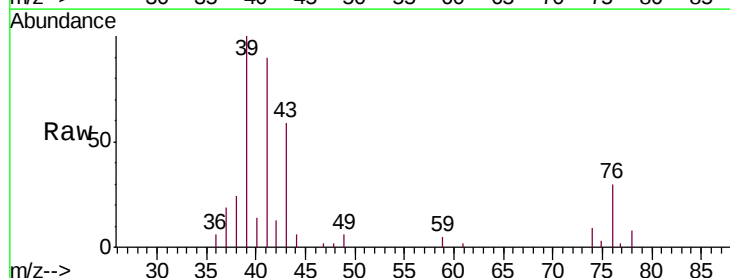
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

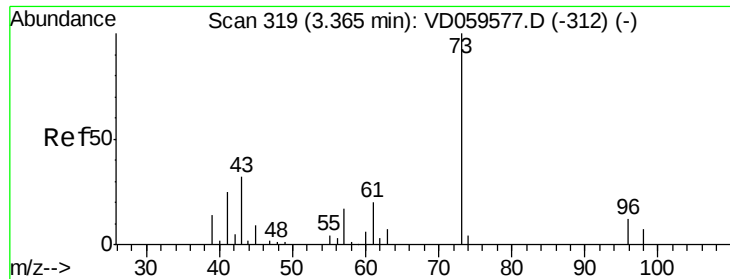
Tot Ion: 76 Resp: 108947
Ion Ratio Lower Upper
76 100
78 8.6 6.8 10.2



#18
Methyl Acetate
Concen: 52.52 ug/l
RT: 2.91 min Scan# 273
Delta R.T. 0.02 min
Lab File: VD059601.D
Acq: 25 Jul 2018 21:25

Tgt Ion: 43 Resp: 25925
Ion Ratio Lower Upper
43 100
74 15.8 13.0 19.4

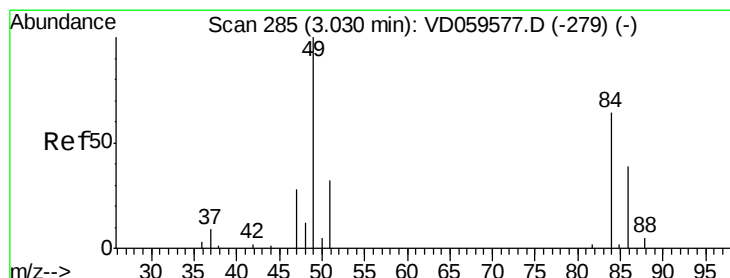
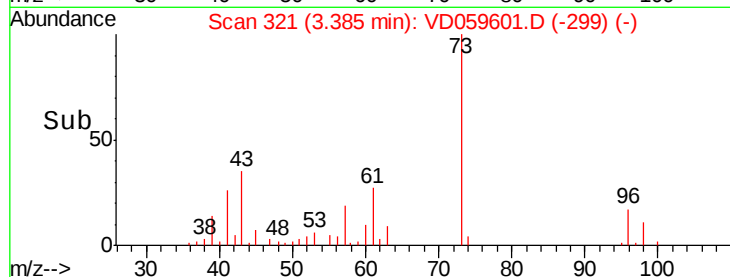
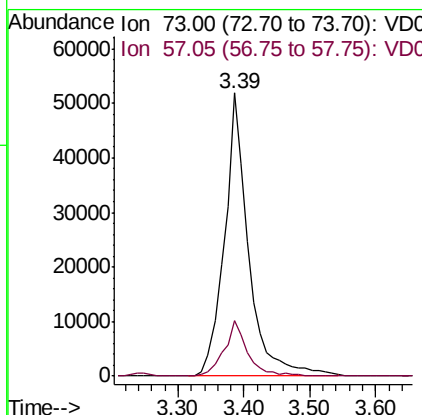
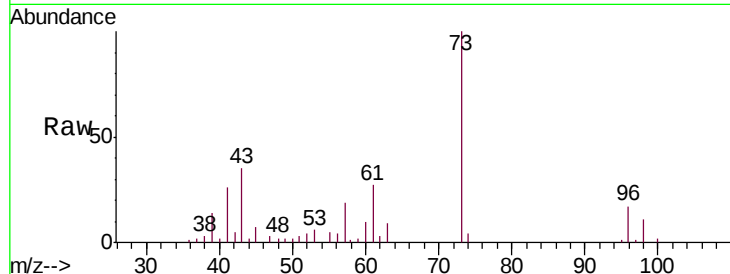




#19
Methyl tert-butyl Ether
Concen: 71.77 ug/l
RT: 3.39 min Scan# 321
Delta R.T. 0.02 min
Lab File: VD059601.D
Acq: 25 Jul 2018 21:25

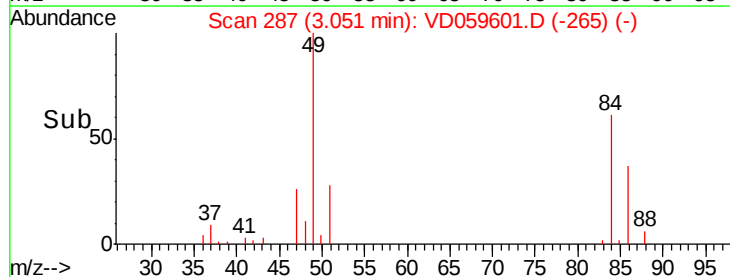
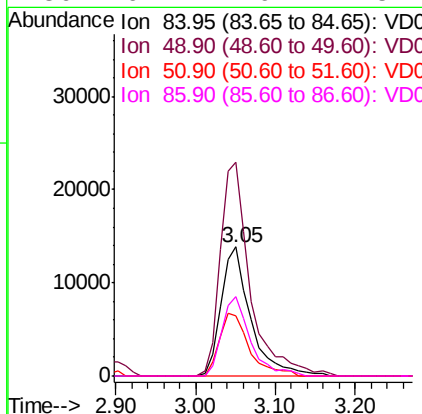
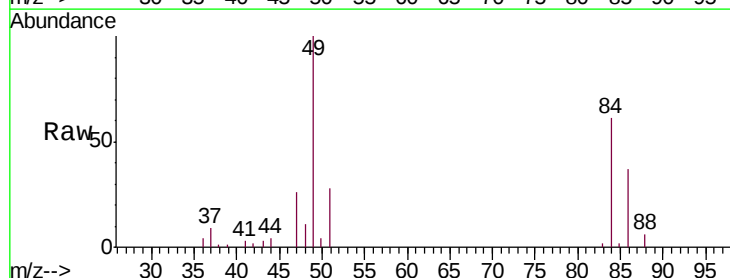
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

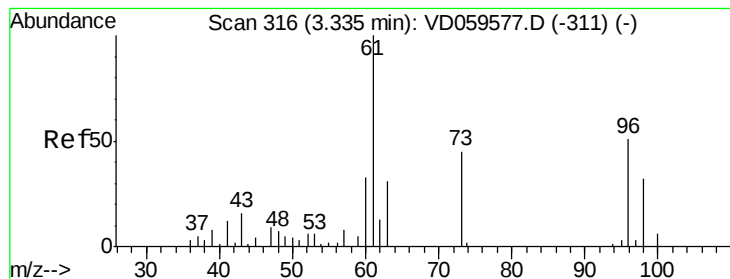
Tot Ion: 73 Resp: 132540
Ion Ratio Lower Upper
73 100
57 19.4 13.4 20.2



#20
Methylene Chloride
Concen: 51.40 ug/l
RT: 3.05 min Scan# 287
Delta R.T. 0.02 min
Lab File: VD059601.D
Acq: 25 Jul 2018 21:25

Tgt Ion: 84 Resp: 36175
Ion Ratio Lower Upper
84 100
49 165.2 125.4 188.2
51 46.7 39.7 59.5
86 61.1 49.1 73.7





#21

trans-1,2-Dichloroethene

Concen: 67.91 ug/l

RT: 3.37 min Scan# 319

Delta R.T. 0.03 min

Lab File: VD059601.D

Acq: 25 Jul 2018 21:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

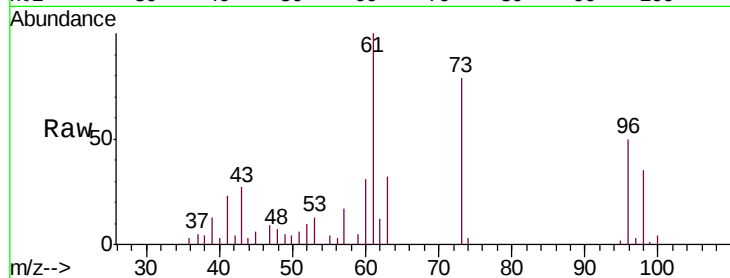
Tot Ion: 96 Resp: 40350

Ion Ratio Lower Upper

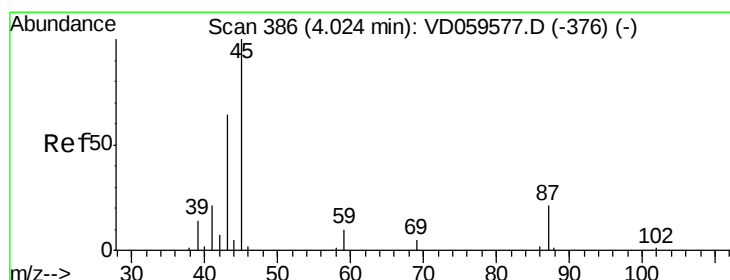
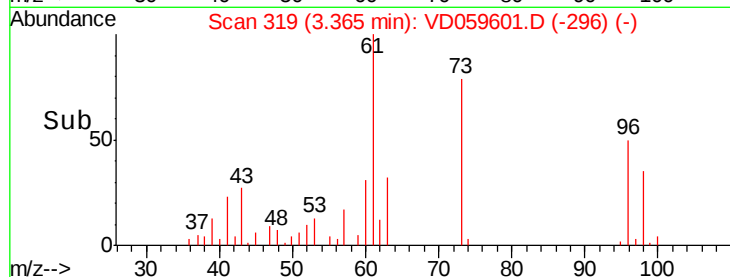
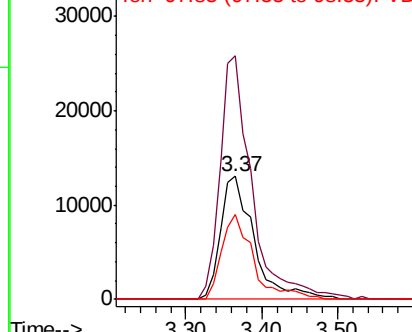
96 100

61 198.4 155.8 233.6

98 68.9 49.1 73.7



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



#22

Diisopropyl ether

Concen: 48.11 ug/l

RT: 4.04 min Scan# 388

Delta R.T. 0.02 min

Lab File: VD059601.D

Acq: 25 Jul 2018 21:25

Tgt Ion: 45 Resp: 169014

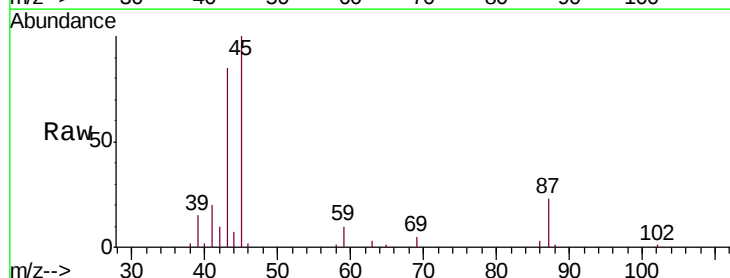
Ion Ratio Lower Upper

45 100

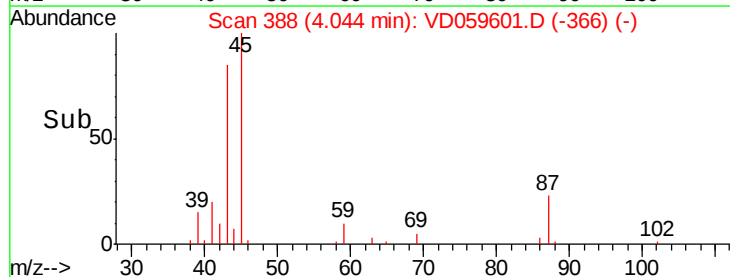
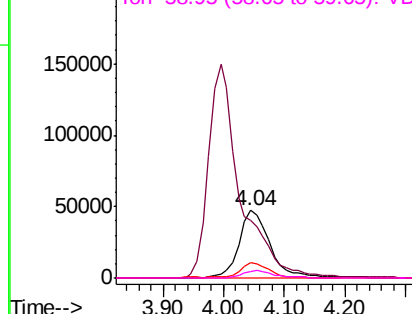
43 84.9 59.4 89.2

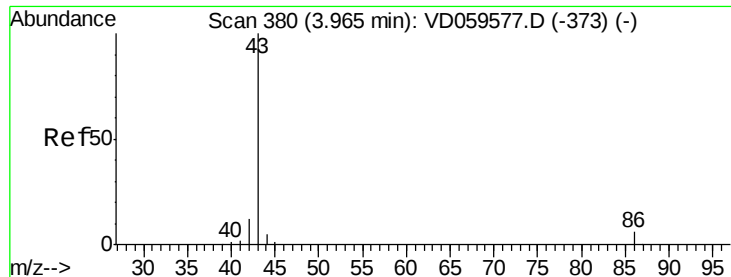
87 23.3 16.7 25.1

59 10.0 8.2 12.4



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





#23

Vinyl Acetate

Concen: 242.78 ug/l

RT: 4.00 min Scan# 383

Delta R.T. 0.03 min

Lab File: VD059601.D

Acq: 25 Jul 2018 21:25

Instrument :

MSVOA_D

ClientSampleId :

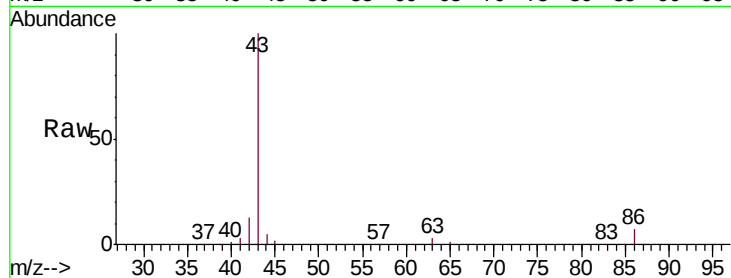
VSTDCCC050EC

Tot Ion: 43 Resp: 541318

Ion Ratio Lower Upper

43 100

86 6.6 5.1 7.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

150000

100000

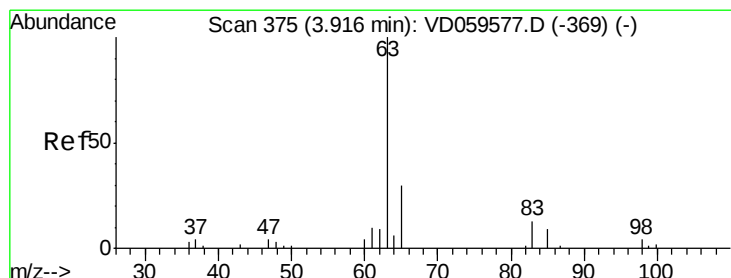
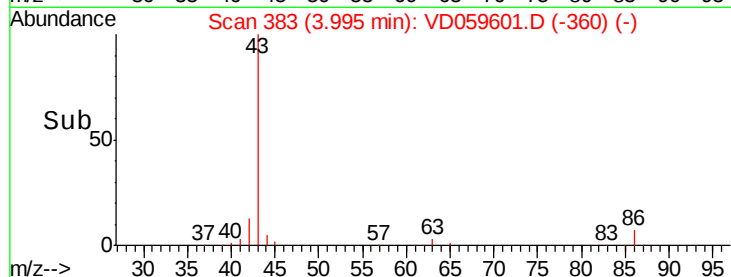
50000

0

4.00

3.90 4.00 4.10 4.20

Time-->



#24

1,1-Dichloroethane

Concen: 49.91 ug/l

RT: 3.95 min Scan# 378

Delta R.T. 0.03 min

Lab File: VD059601.D

Acq: 25 Jul 2018 21:25

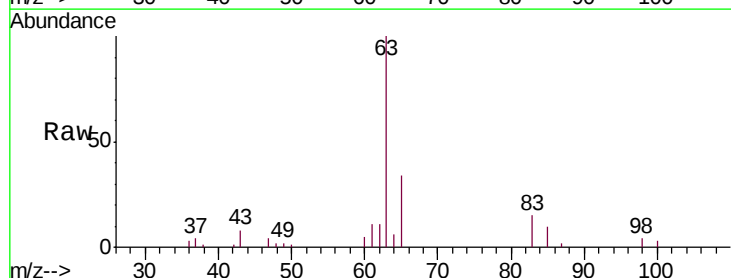
Tgt Ion: 63 Resp: 110694

Ion Ratio Lower Upper

63 100

98 4.4 1.8 5.5

100 3.1 1.1 3.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

40000

30000

20000

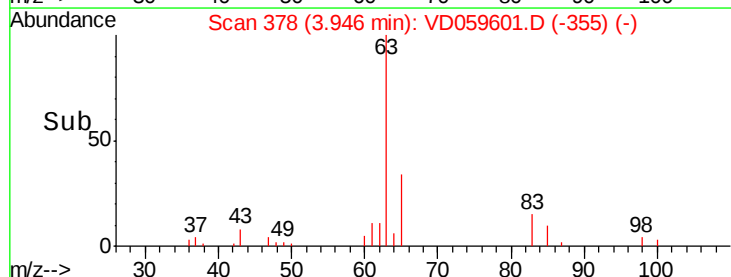
10000

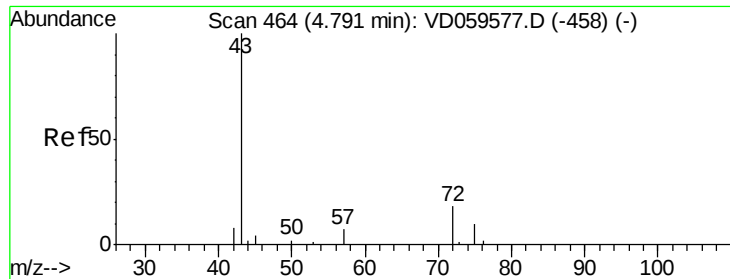
0

3.95

3.80 3.90 4.00 4.10

Time-->





#25

2-Butanone

Concen: 234.96 ug/l

RT: 4.81 min Scan# 466

Delta R.T. 0.02 min

Lab File: VD059601.D

Acq: 25 Jul 2018 21:25

Instrument :

MSVOA_D

ClientSampleId :

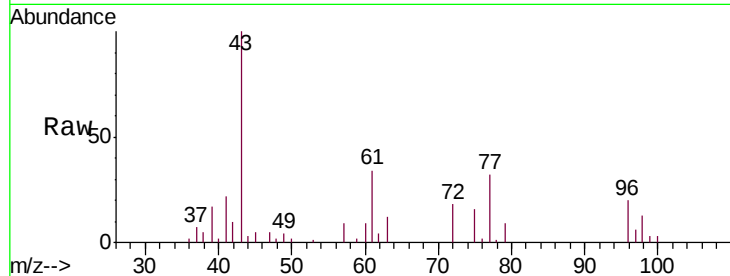
VSTDCCC050EC

Tot Ion: 43 Resp: 88445

Ion Ratio Lower Upper

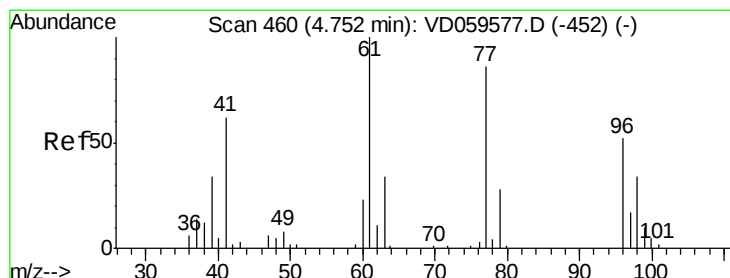
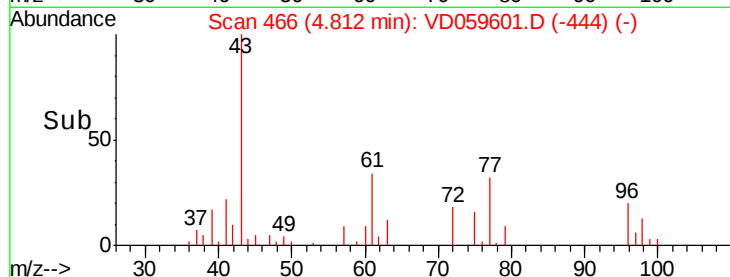
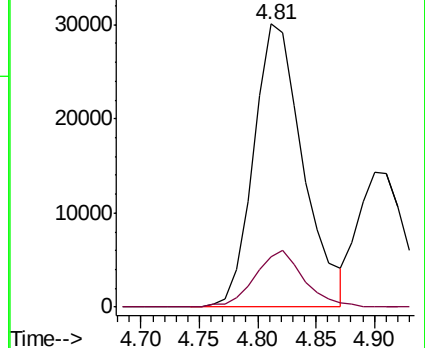
43 100

72 17.8 14.7 22.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 48.49 ug/l

RT: 4.77 min Scan# 462

Delta R.T. 0.02 min

Lab File: VD059601.D

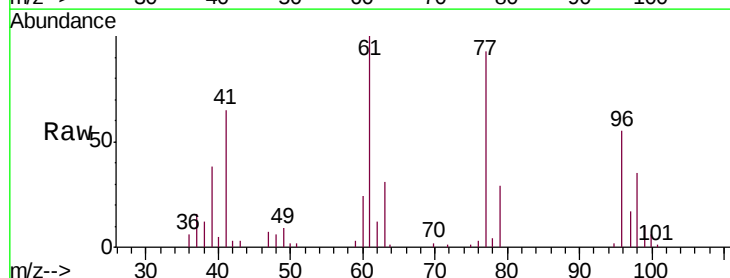
Acq: 25 Jul 2018 21:25

Tgt Ion: 77 Resp: 110139

Ion Ratio Lower Upper

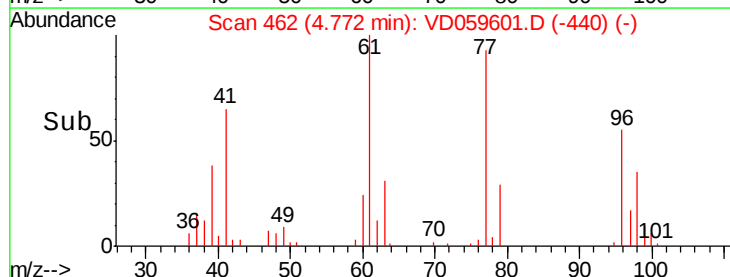
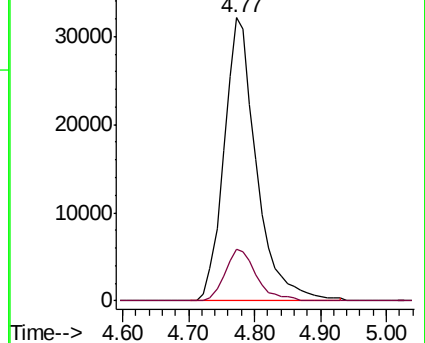
77 100

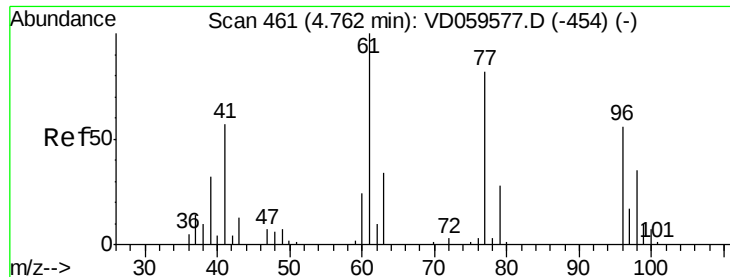
97 18.2 9.7 29.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



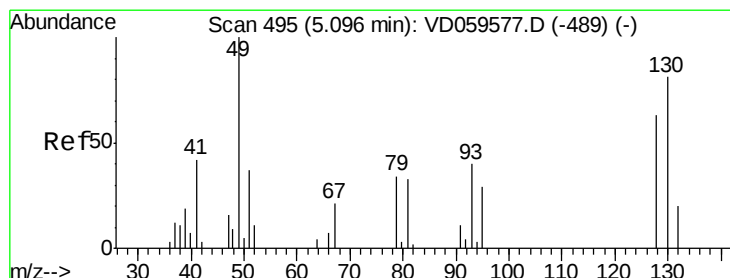
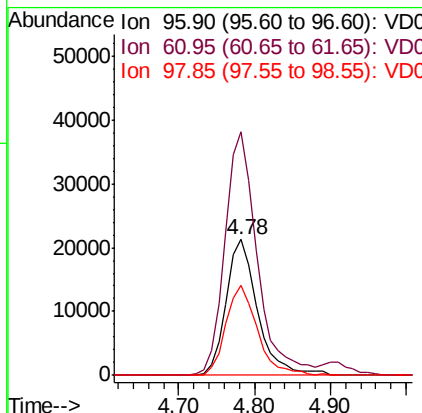
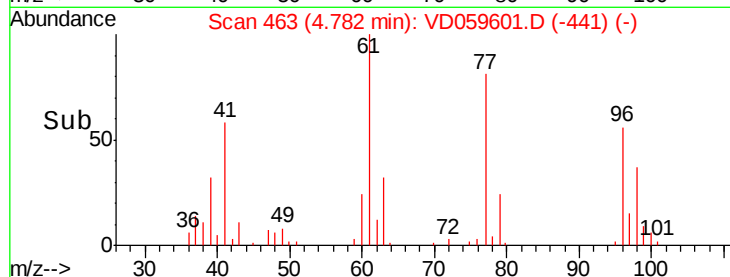
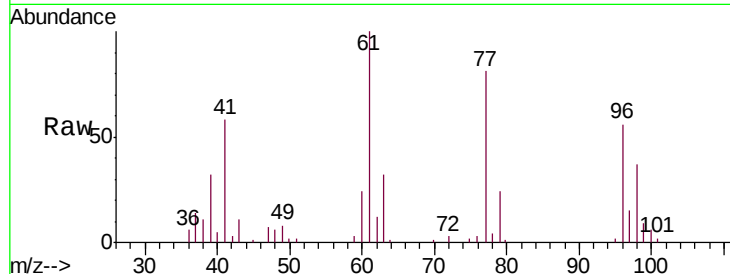


#27

cis-1,2-Dichloroethene
 Concen: 51.50 ug/l
 RT: 4.78 min Scan# 463
 Delta R.T. 0.02 min
 Lab File: VD059601.D
 Acq: 25 Jul 2018 21:25

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

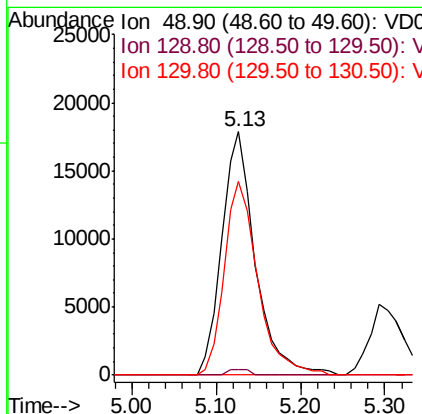
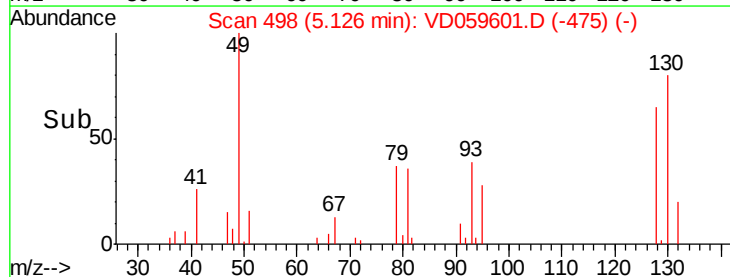
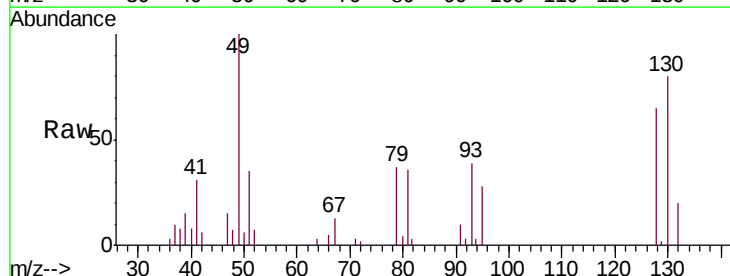
Tot Ion: 96 Resp: 61119
 Ion Ratio Lower Upper
 96 100
 61 179.5 0.0 355.0
 98 66.4 0.0 125.8

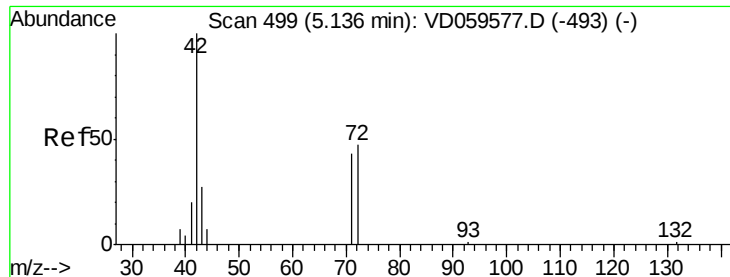


#28

Bromochloromethane
 Concen: 56.15 ug/l
 RT: 5.13 min Scan# 498
 Delta R.T. 0.03 min
 Lab File: VD059601.D
 Acq: 25 Jul 2018 21:25

Tgt Ion: 49 Resp: 49271
 Ion Ratio Lower Upper
 49 100
 129 2.4 0.0 0.0#
 130 79.7 64.6 96.8

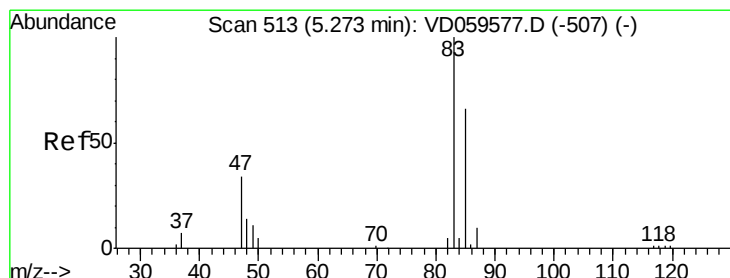
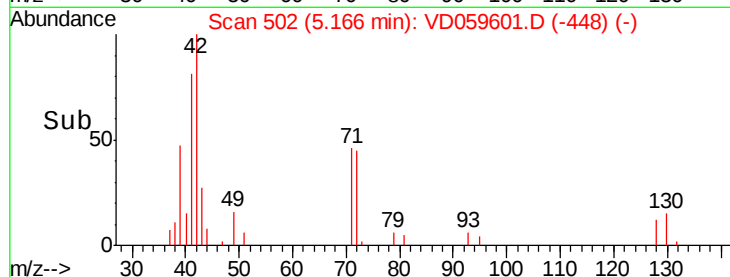
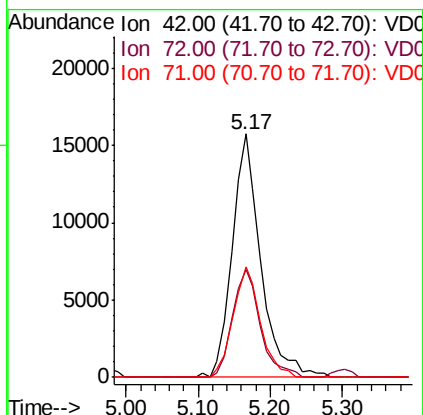
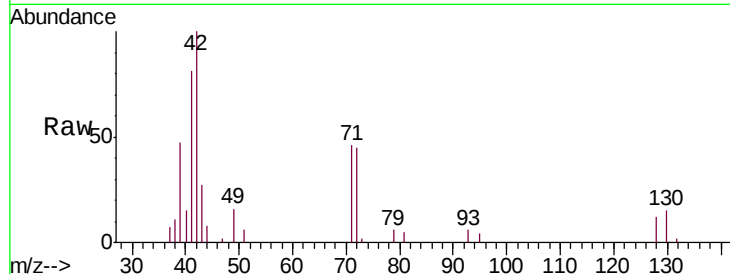




#29
Tetrahydrofuran
Concen: 249.29 ug/l
RT: 5.17 min Scan# 502
Delta R.T. 0.03 min
Lab File: VD059601.D
Acq: 25 Jul 2018 21:25

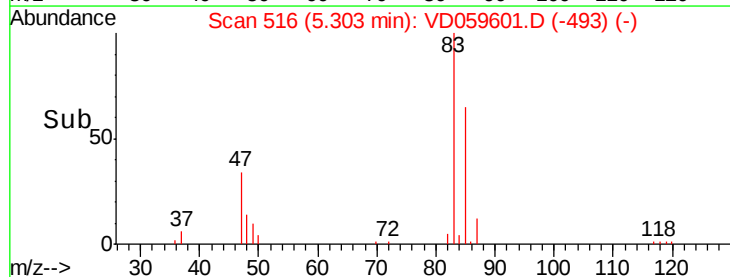
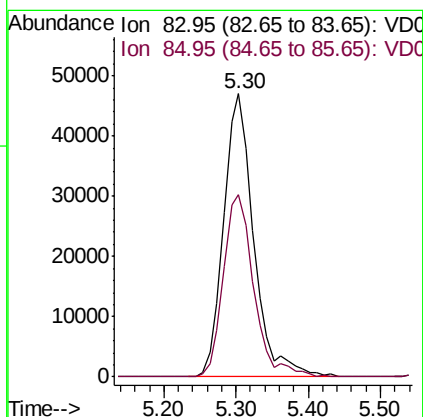
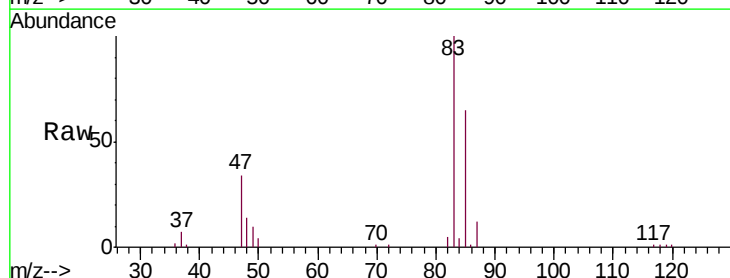
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

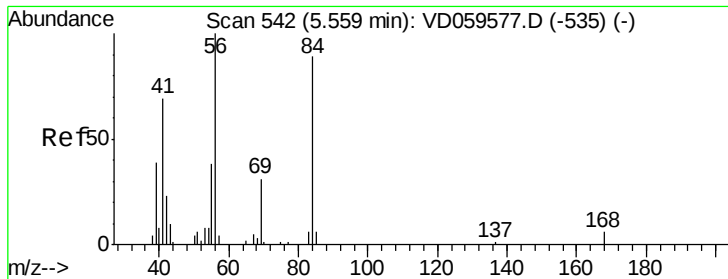
Tot Ion: 42 Resp: 43450
Ion Ratio Lower Upper
42 100
72 42.9 35.0 52.4
71 43.3 34.2 51.2



#30
Chloroform
Concen: 51.15 ug/l
RT: 5.30 min Scan# 516
Delta R.T. 0.03 min
Lab File: VD059601.D
Acq: 25 Jul 2018 21:25

Tgt Ion: 83 Resp: 135687
Ion Ratio Lower Upper
83 100
85 64.5 53.0 79.6

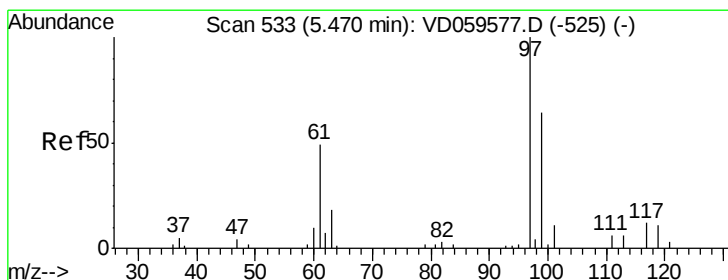
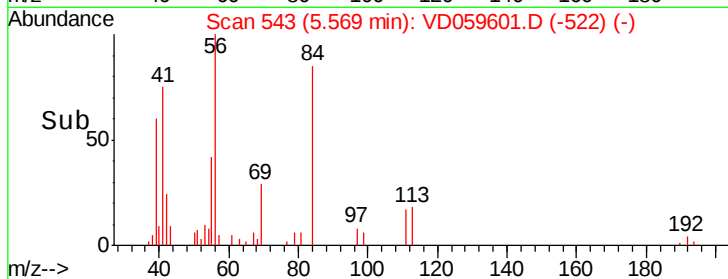
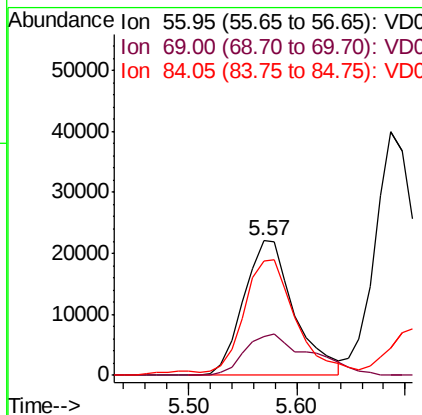
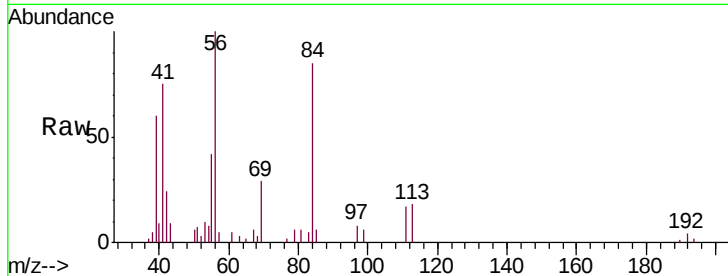




#31
Cyclohexane
Concen: 51.04 ug/l
RT: 5.57 min Scan# 543
Delta R.T. 0.01 min
Lab File: VD059601.D
Acq: 25 Jul 2018 21:25

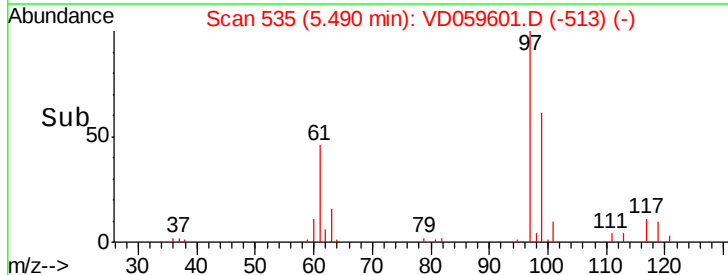
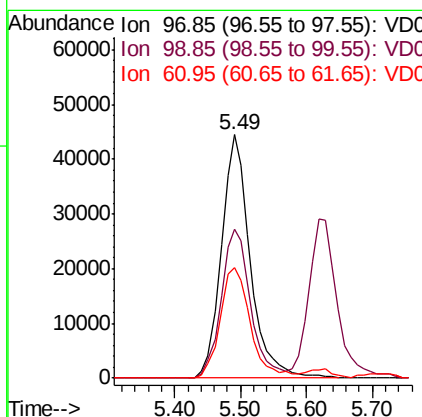
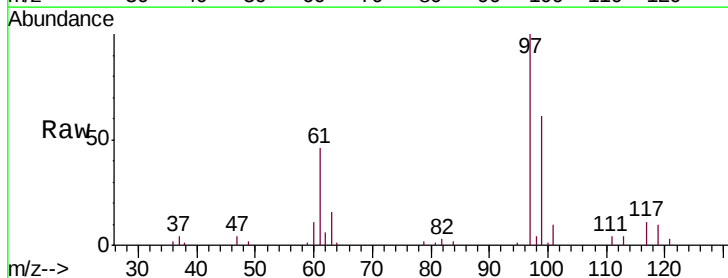
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

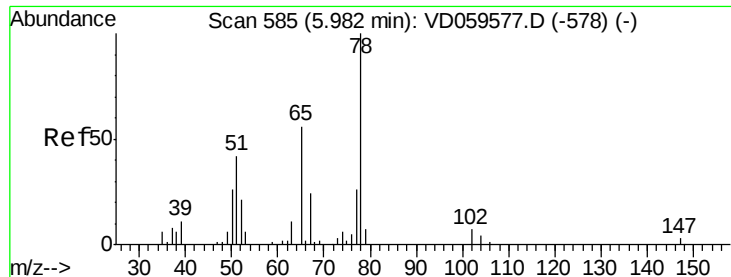
Tot Ion: 56 Resp: 72466
Ion Ratio Lower Upper
56 100
69 28.6 24.6 37.0
84 85.4 72.7 109.1



#32
1,1,1-Trichloroethane
Concen: 52.67 ug/l
RT: 5.49 min Scan# 535
Delta R.T. 0.02 min
Lab File: VD059601.D
Acq: 25 Jul 2018 21:25

Tgt Ion: 97 Resp: 135257
Ion Ratio Lower Upper
97 100
99 61.2 50.9 76.3
61 45.5 39.2 58.8





#33

1,2-Dichloroethane-d4

Concen: 52.67 ug/l

RT: 6.00 min Scan# 587

Delta R.T. 0.02 min

Lab File: VD059601.D

Acq: 25 Jul 2018 21:25

Instrument :

MSVOA_D

ClientSampleId :

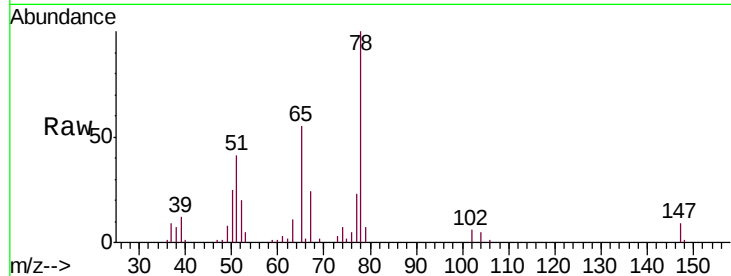
VSTDCCC050EC

Tot Ion: 65 Resp: 88378

Ion Ratio Lower Upper

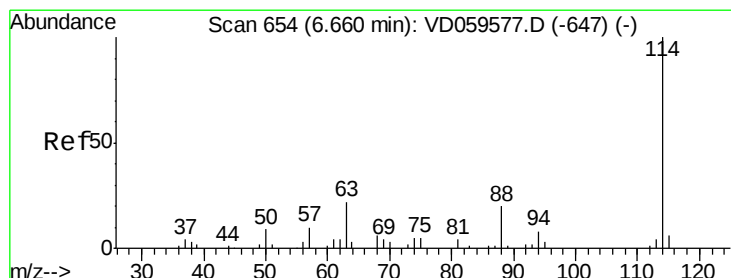
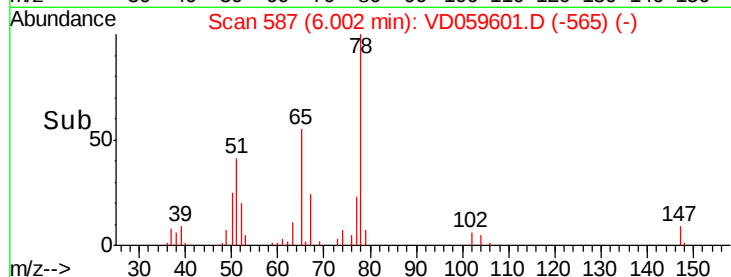
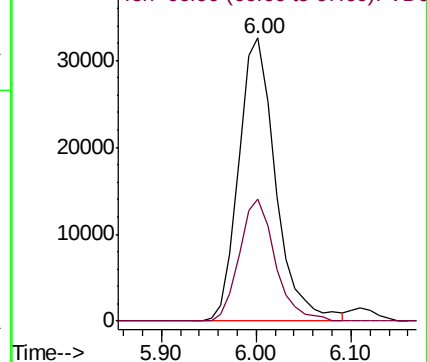
65 100

67 43.1 0.0 86.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.68 min Scan# 656

Delta R.T. 0.02 min

Lab File: VD059601.D

Acq: 25 Jul 2018 21:25

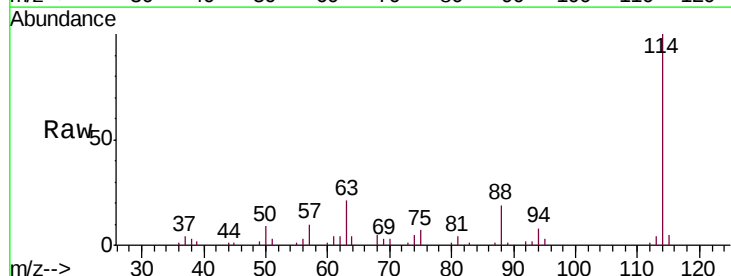
Tgt Ion: 114 Resp: 166672

Ion Ratio Lower Upper

114 100

63 20.6 0.0 43.8

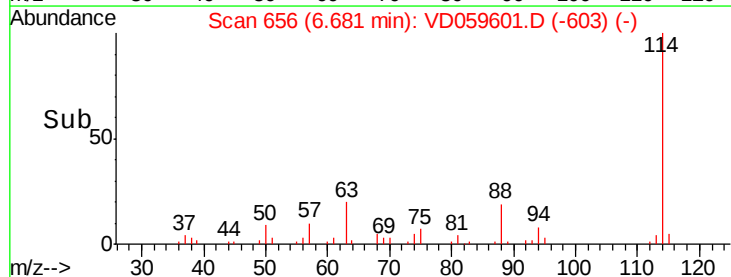
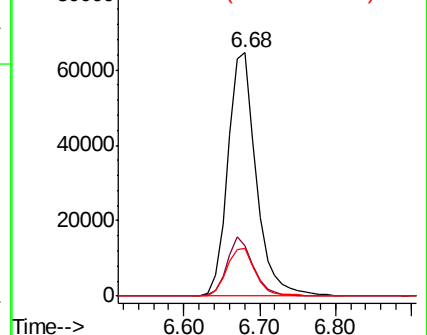
88 19.5 0.0 39.0

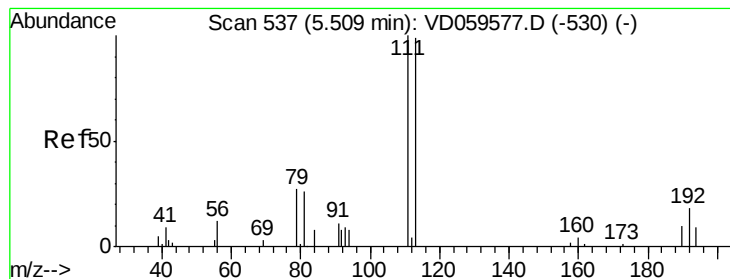


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.53 min Scan# 539

Delta R.T. 0.02 min

Lab File: VD059601.D

Acq: 25 Jul 2018 21:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

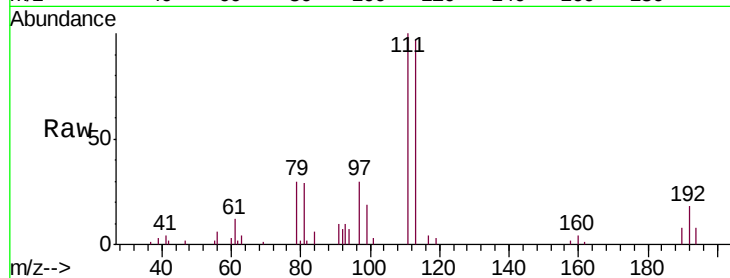
Tot Ion:113 Resp: 77640

Ion Ratio Lower Upper

113 100

111 102.6 80.5 120.7

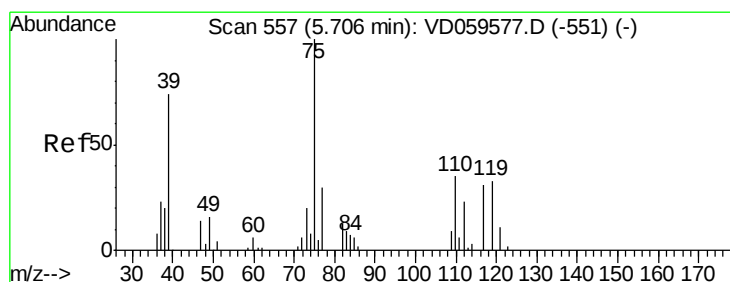
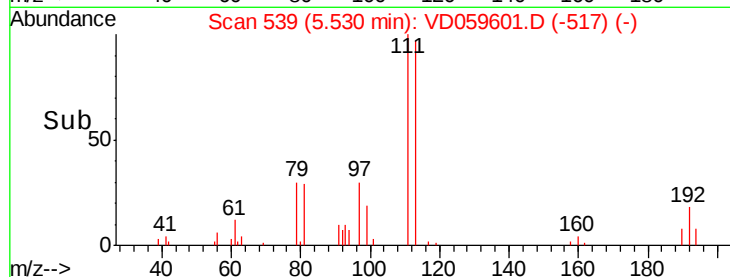
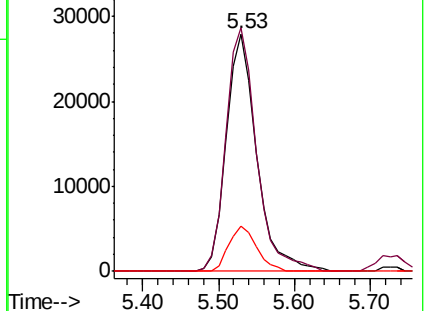
192 19.0 14.5 21.7



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 54.43 ug/l

RT: 5.73 min Scan# 559

Delta R.T. 0.02 min

Lab File: VD059601.D

Acq: 25 Jul 2018 21:25

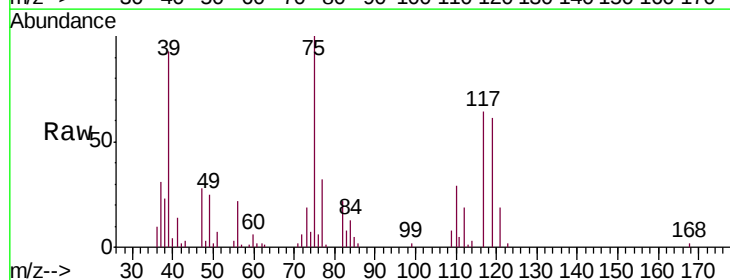
Tgt Ion: 75 Resp: 91040

Ion Ratio Lower Upper

75 100

110 29.3 17.0 50.9

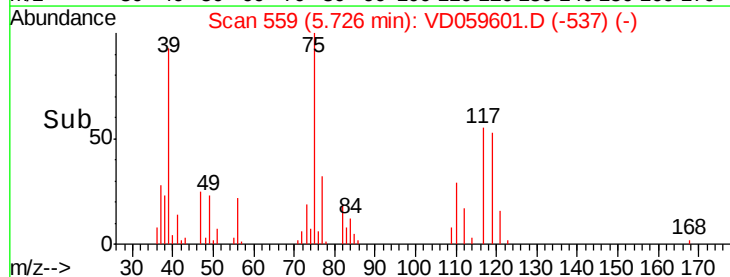
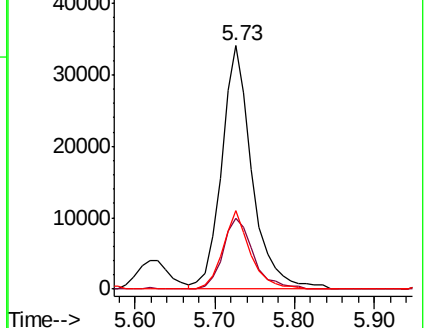
77 32.0 23.6 35.4

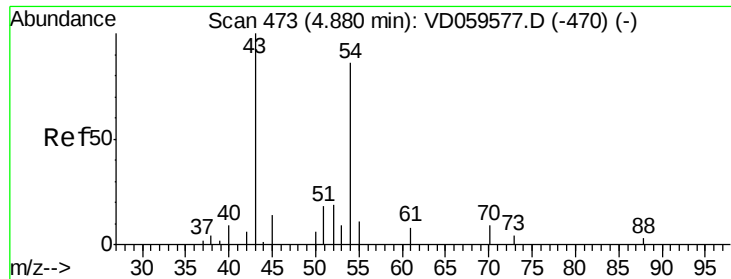


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

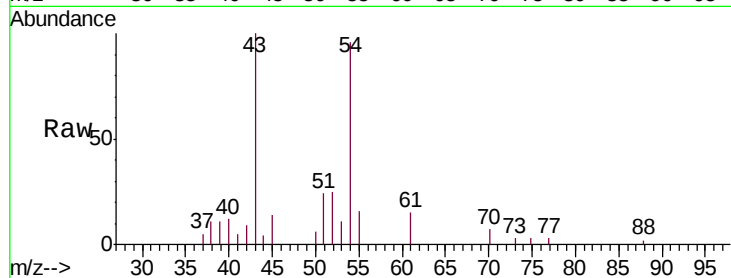




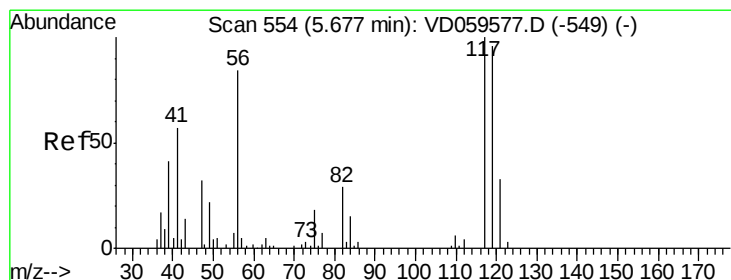
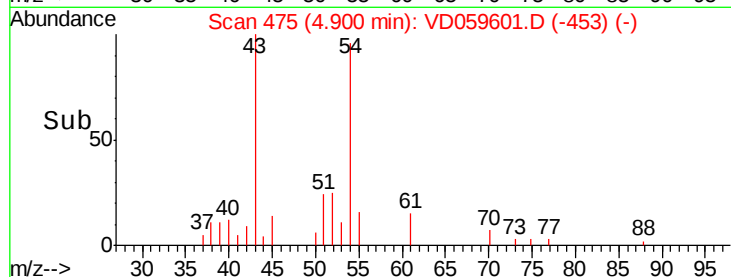
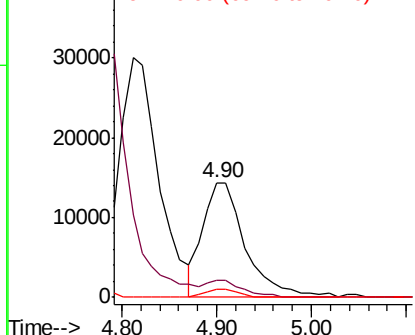
#37
Ethyl Acetate
Concen: 52.17 ug/l
RT: 4.90 min Scan# 475
Delta R.T. 0.02 min
Lab File: VD059601.D
Acq: 25 Jul 2018 21:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 44887
Ion Ratio Lower Upper
43 100
61 14.6 10.7 16.1
70 7.4 5.4 8.0

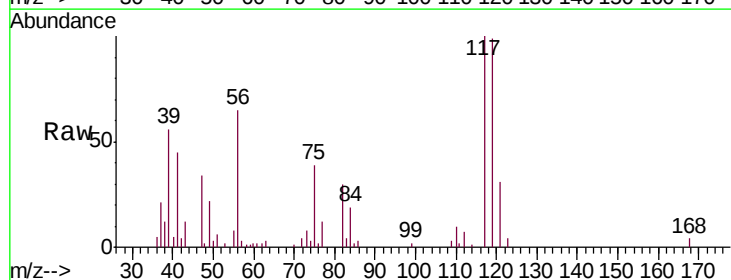


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

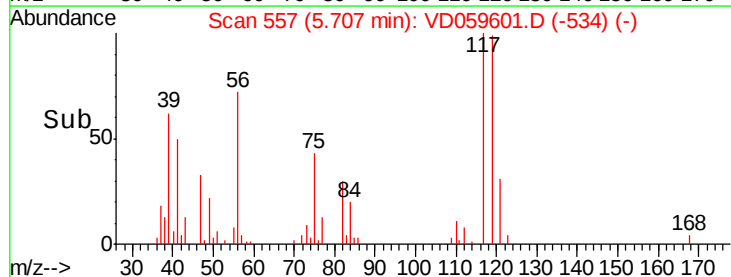
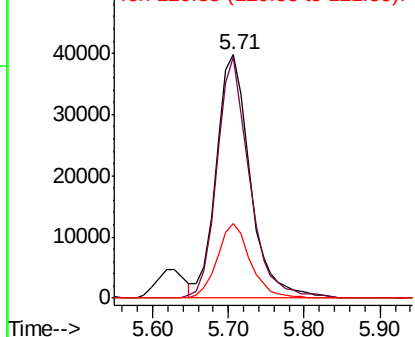


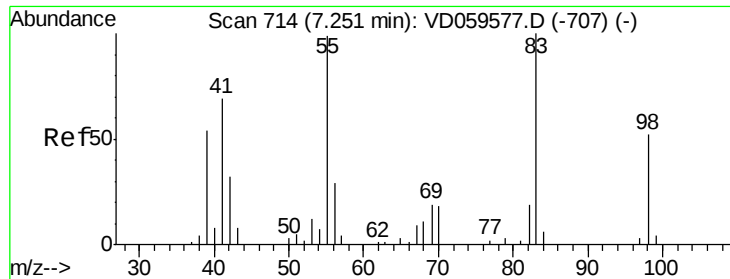
#38
Carbon Tetrachloride
Concen: 54.16 ug/l
RT: 5.71 min Scan# 557
Delta R.T. 0.03 min
Lab File: VD059601.D
Acq: 25 Jul 2018 21:25

Tgt Ion: 117 Resp: 124028
Ion Ratio Lower Upper
117 100
119 98.9 73.6 110.4
121 30.9 25.0 37.6



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

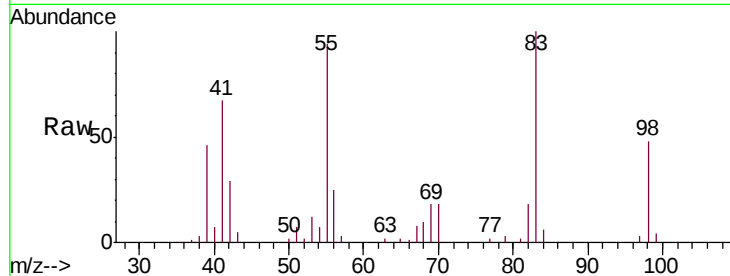




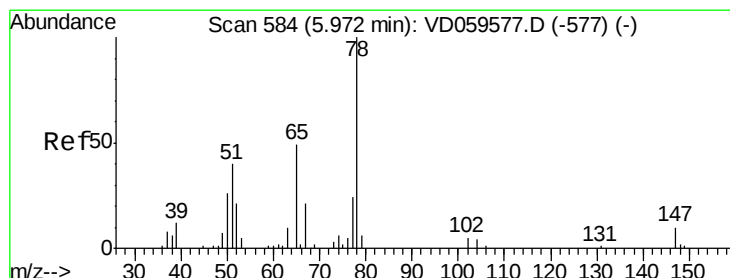
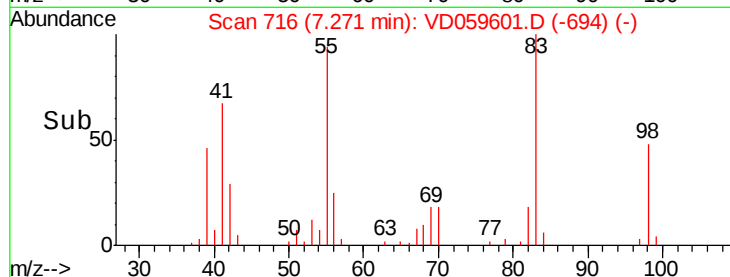
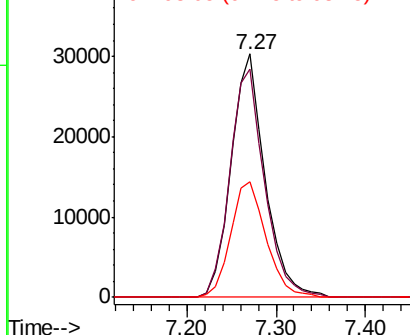
#39
Methvlcvclohexane
Concen: 52.13 ug/l
RT: 7.27 min Scan# 716
Delta R.T. 0.02 min
Lab File: VD059601.D
Acq: 25 Jul 2018 21:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 80172
Ion Ratio Lower Upper
83 100
55 93.5 79.4 119.0
98 47.7 41.6 62.4

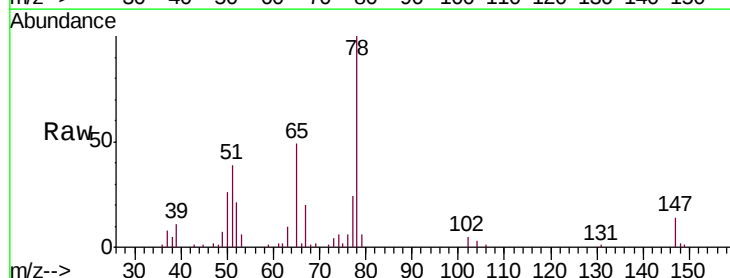


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

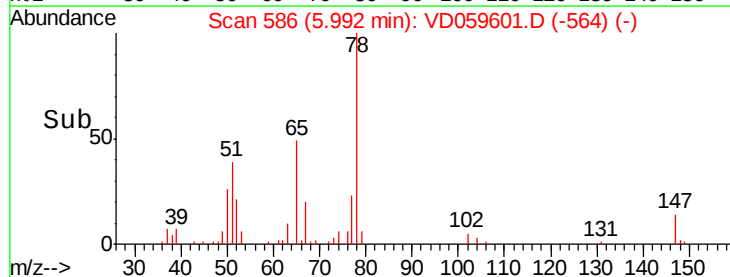
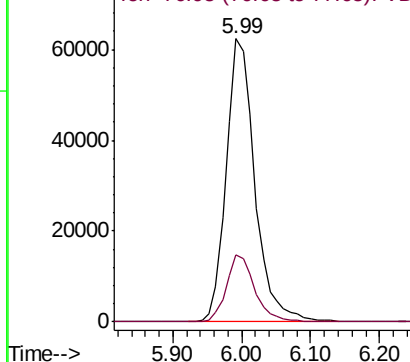


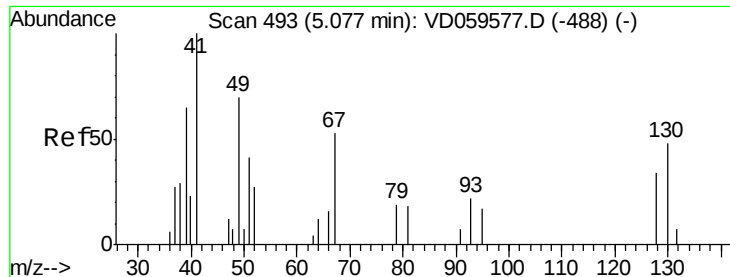
#40
Benzene
Concen: 52.29 ug/l
RT: 5.99 min Scan# 586
Delta R.T. 0.02 min
Lab File: VD059601.D
Acq: 25 Jul 2018 21:25

Tgt Ion: 78 Resp: 179341
Ion Ratio Lower Upper
78 100
77 23.8 19.0 28.6



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

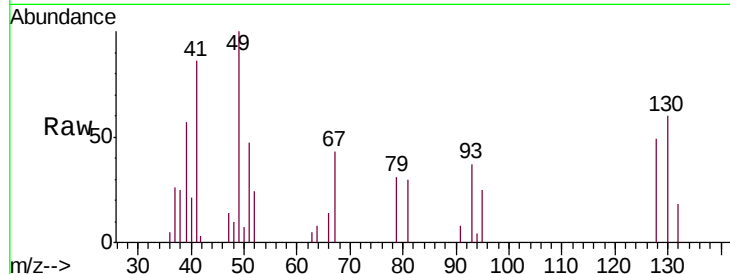




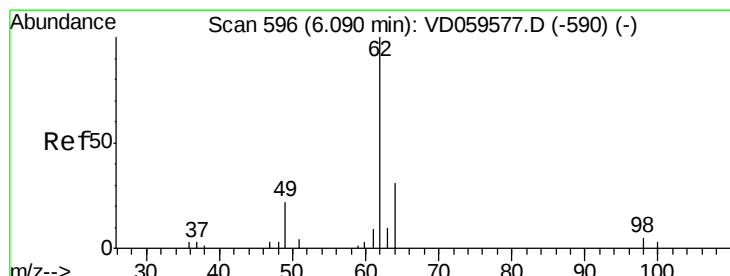
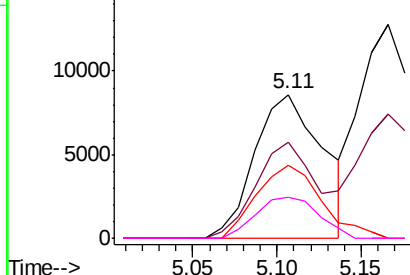
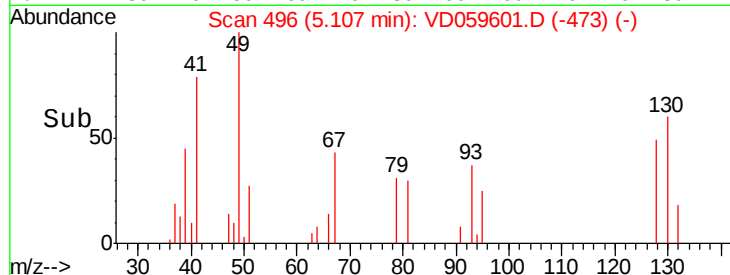
#41
Methacrylonitrile
Concen: 56.19 ug/l
RT: 5.11 min Scan# 496
Delta R.T. 0.03 min
Lab File: VD059601.D
Acq: 25 Jul 2018 21:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 41 Resp: 24123
Ion Ratio Lower Upper
41 100
39 66.6 52.1 78.1
67 50.7 42.5 63.7
52 28.1 21.8 32.8

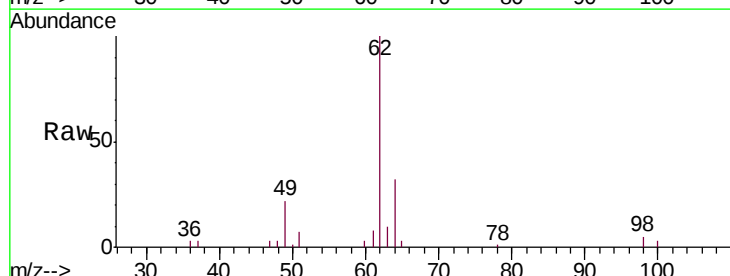


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

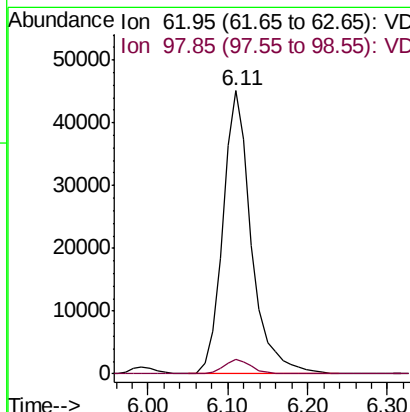
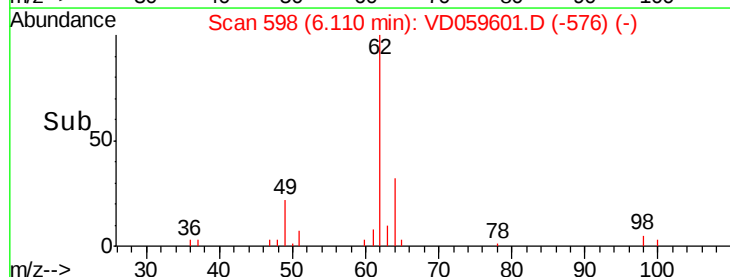


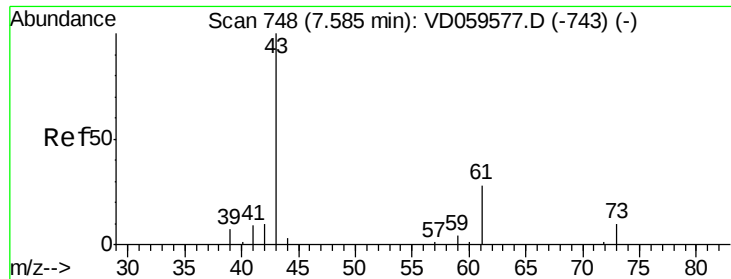
#42
1,2-Dichloroethane
Concen: 54.66 ug/l
RT: 6.11 min Scan# 598
Delta R.T. 0.02 min
Lab File: VD059601.D
Acq: 25 Jul 2018 21:25

Tgt Ion: 62 Resp: 112940
Ion Ratio Lower Upper
62 100
98 5.2 0.0 10.2



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





#43

Isopropyl Acetate

Concen: 52.41 ug/l

RT: 7.61 min Scan# 750

Delta R.T. 0.02 min

Lab File: VD059601.D

Acq: 25 Jul 2018 21:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

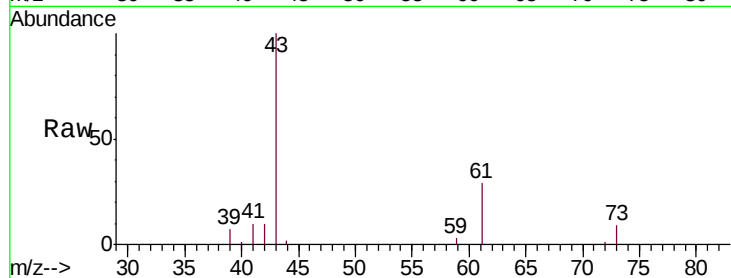
Tot Ion: 43 Resp: 62520

Ion Ratio Lower Upper

43 100

61 28.9 22.0 33.0

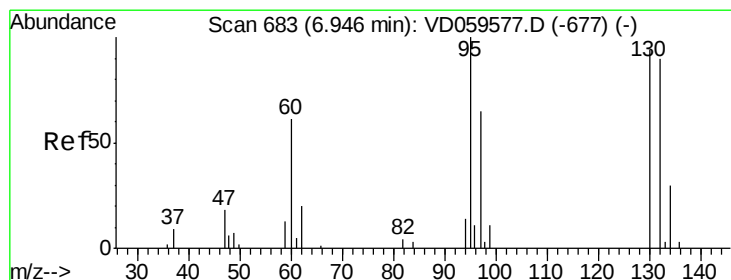
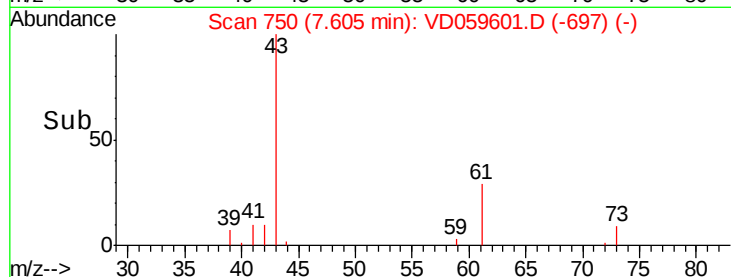
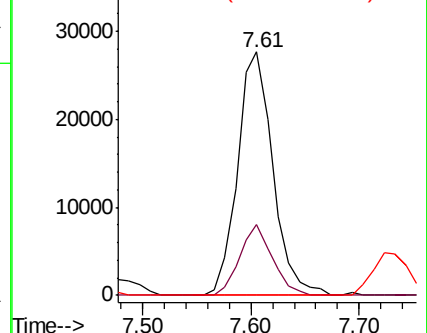
87 0.0 0.0 0.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 52.87 ug/l

RT: 6.97 min Scan# 685

Delta R.T. 0.02 min

Lab File: VD059601.D

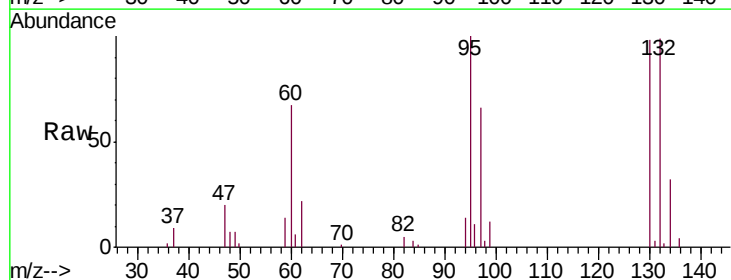
Acq: 25 Jul 2018 21:25

Tgt Ion:130 Resp: 65764

Ion Ratio Lower Upper

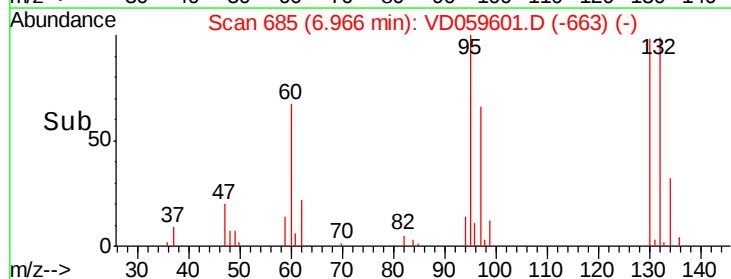
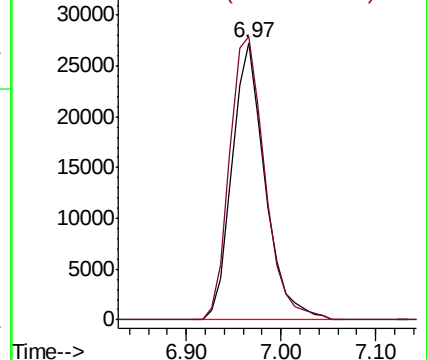
130 100

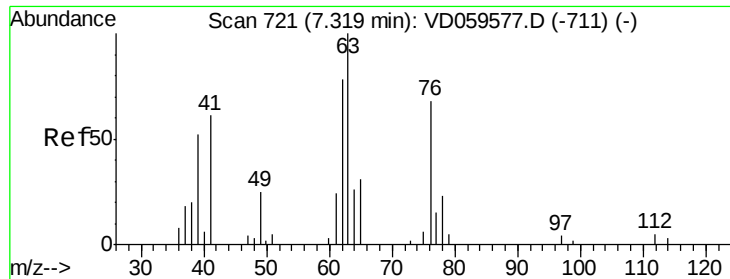
95 102.2 0.0 213.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 52.14 ug/l

RT: 7.33 min Scan# 722

Delta R.T. 0.01 min

Lab File: VD059601.D

Acq: 25 Jul 2018 21:25

Instrument :

MSVOA_D

ClientSampleId :

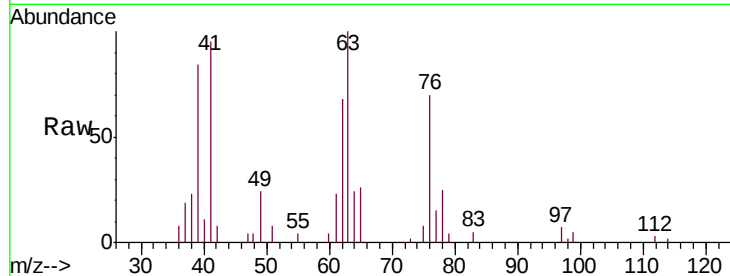
VSTDCCC050EC

Tot Ion: 63 Resp: 50076

Ion Ratio Lower Upper

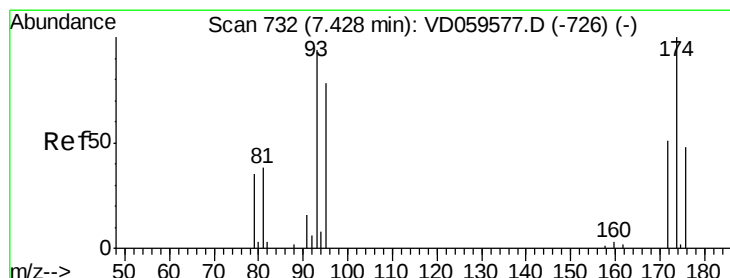
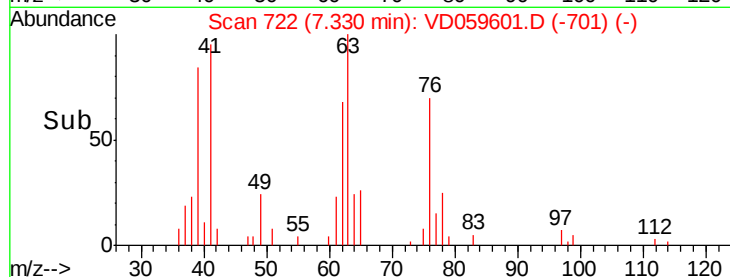
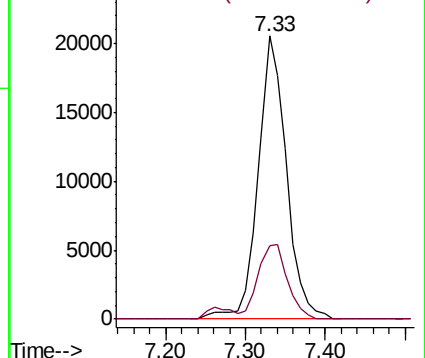
63 100

65 26.2 24.9 37.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 54.81 ug/l

RT: 7.45 min Scan# 734

Delta R.T. 0.02 min

Lab File: VD059601.D

Acq: 25 Jul 2018 21:25

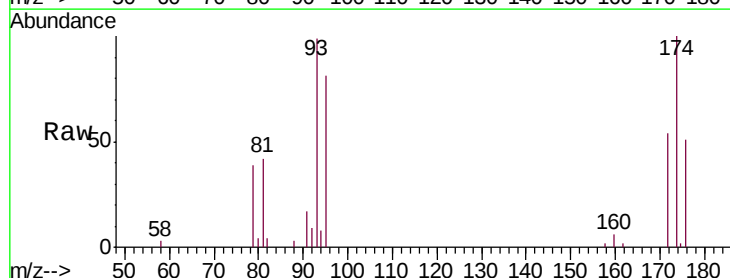
Tgt Ion: 93 Resp: 44501

Ion Ratio Lower Upper

93 100

95 82.3 65.8 98.8

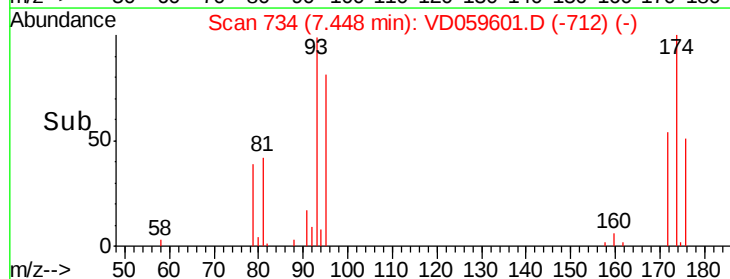
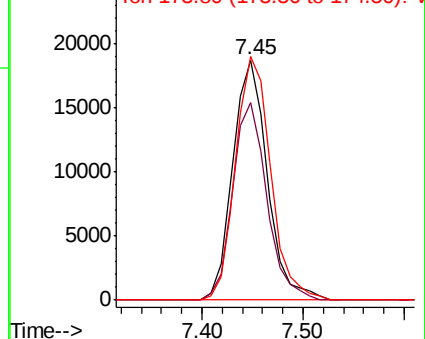
174 101.5 84.7 127.1

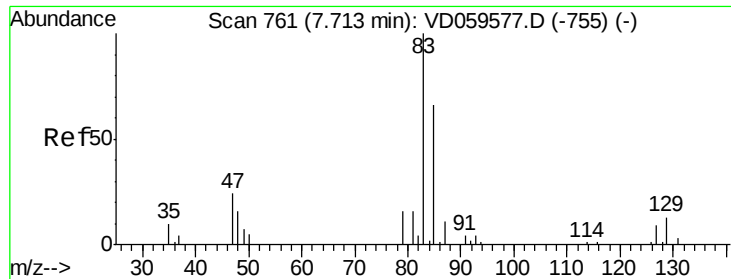


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 56.25 ug/l

RT: 7.72 min Scan# 762

Delta R.T. 0.01 min

Lab File: VD059601.D

Acq: 25 Jul 2018 21:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

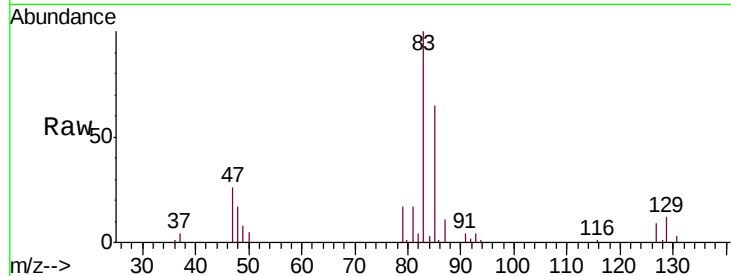
Tot Ion: 83 Resp: 109072

Ion Ratio Lower Upper

83 100

85 64.5 53.1 79.7

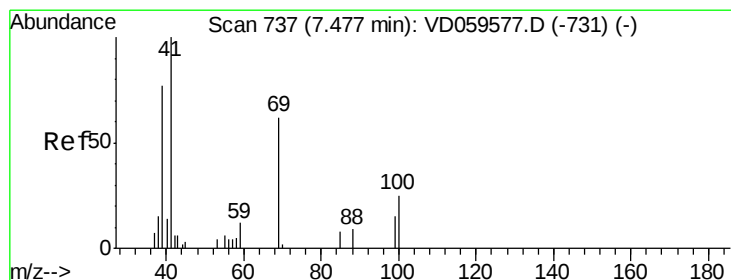
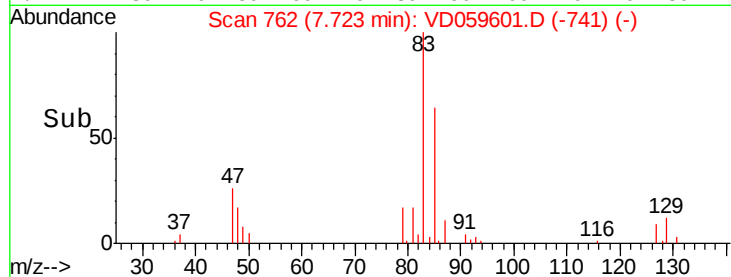
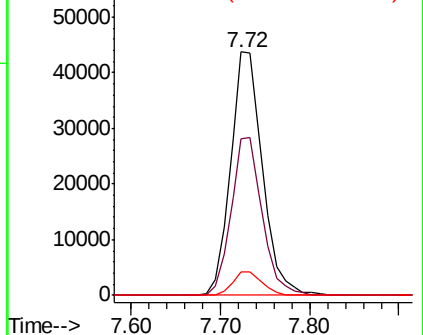
127 9.4 7.4 11.0



Abundance Ion 82.85 (82.55 to 83.55): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 54.73 ug/l

RT: 7.49 min Scan# 738

Delta R.T. 0.01 min

Lab File: VD059601.D

Acq: 25 Jul 2018 21:25

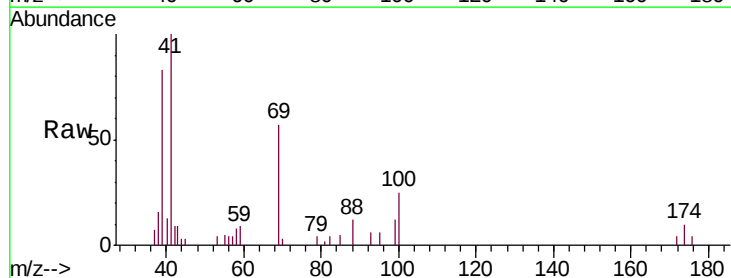
Tgt Ion: 41 Resp: 43301

Ion Ratio Lower Upper

41 100

69 56.8 49.4 74.0

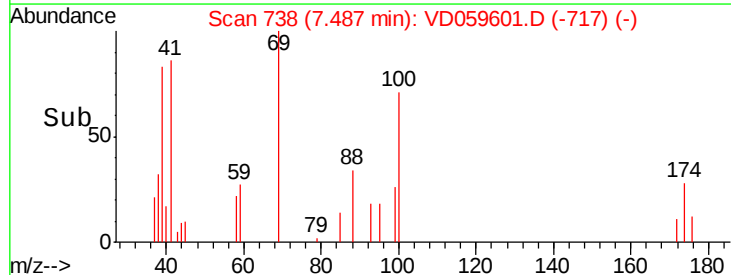
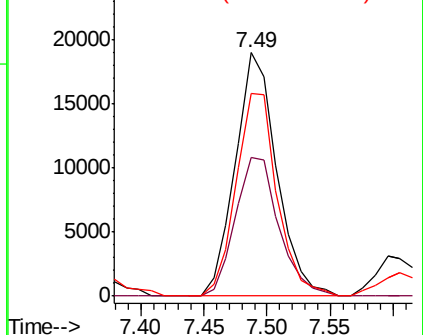
39 83.2 61.3 91.9

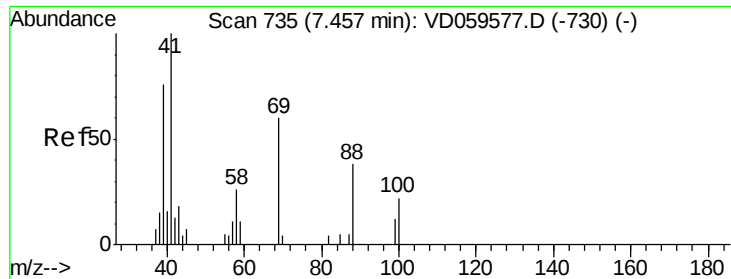


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

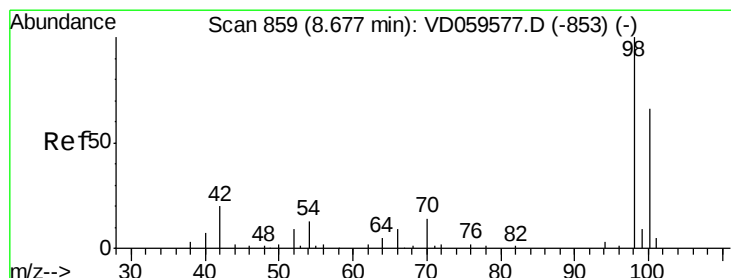
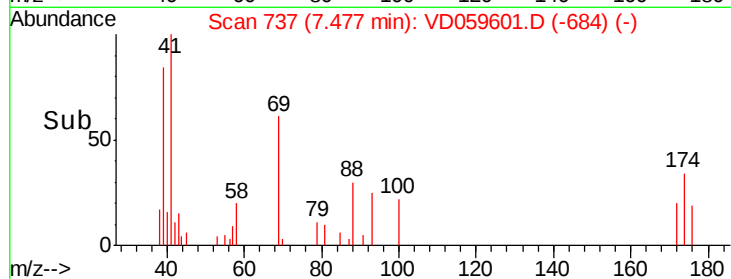
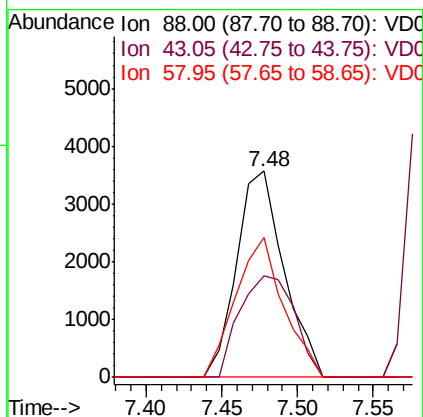
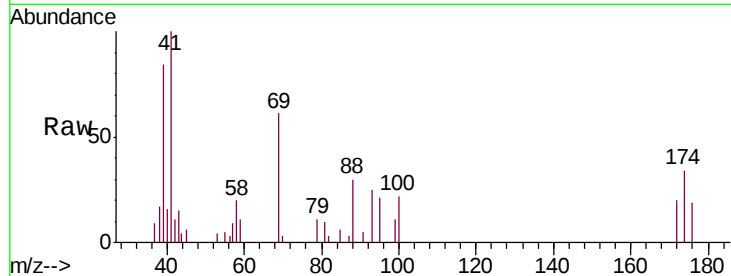




#49
1,4-Dioxane
Concen: 1051.28 ug/l
RT: 7.48 min Scan# 737
Delta R.T. 0.02 min
Lab File: VD059601.D
Acq: 25 Jul 2018 21:25

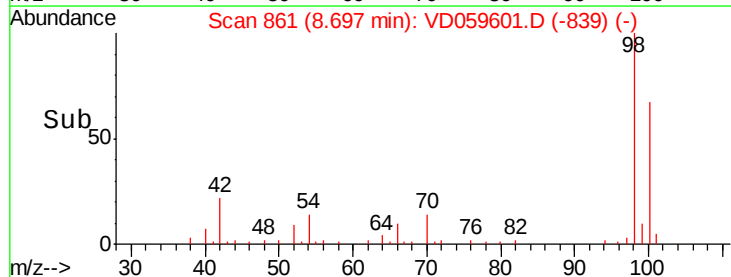
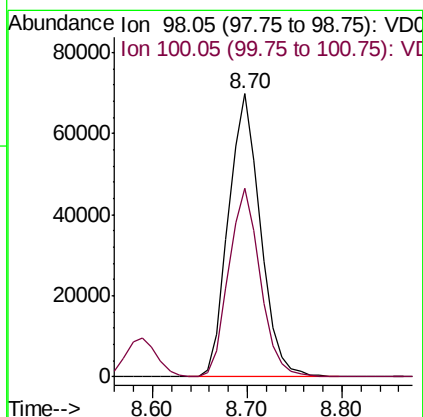
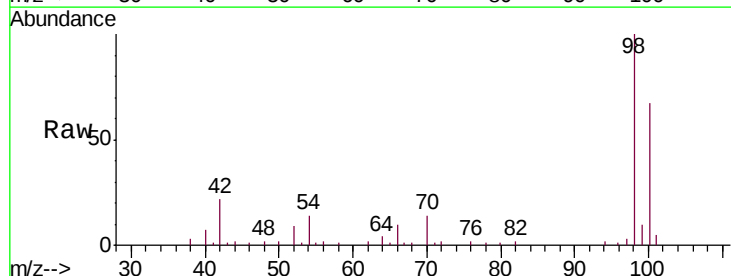
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

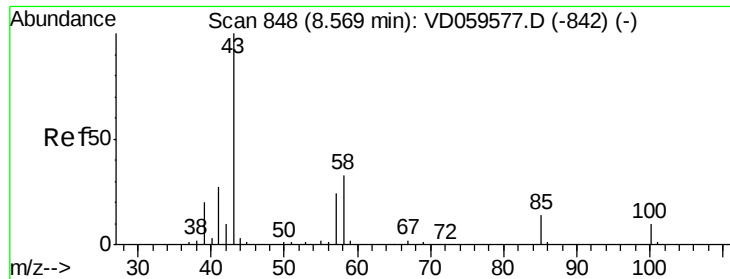
Tot Ion: 88 Resp: 7789
Ion Ratio Lower Upper
88 100
43 49.2 37.4 56.2
58 68.2 55.6 83.4



#50
Toluene-d8
Concen: 1051.28 ug/l
RT: 8.70 min Scan# 861
Delta R.T. 0.02 min
Lab File: VD059601.D
Acq: 25 Jul 2018 21:25

Tgt Ion: 98 Resp: 163039
Ion Ratio Lower Upper
98 100
100 66.8 53.2 79.8





#51

4-Methyl-2-Pentanone

Concen: 259.89 ug/l

RT: 8.59 min Scan# 850

Delta R.T. 0.02 min

Lab File: VD059601.D

Acq: 25 Jul 2018 21:25

Instrument :

MSVOA_D

ClientSampleId :

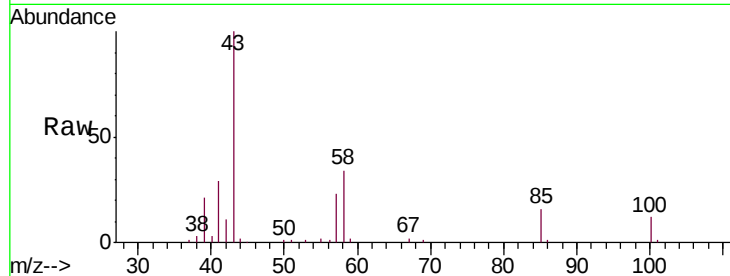
VSTDCCC050EC

Tot Ion: 43 Resp: 207043

Ion Ratio Lower Upper

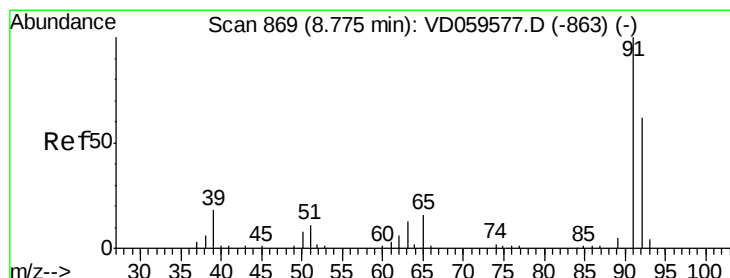
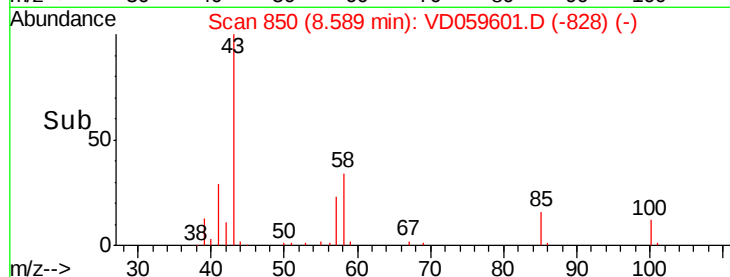
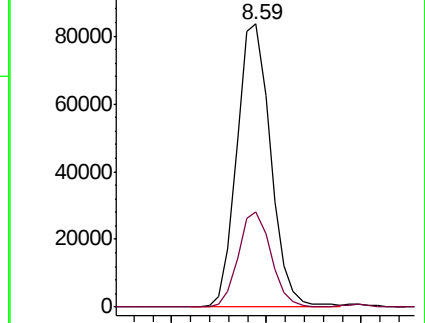
43 100

58 33.6 26.3 39.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 49.21 ug/l

RT: 8.80 min Scan# 871

Delta R.T. 0.02 min

Lab File: VD059601.D

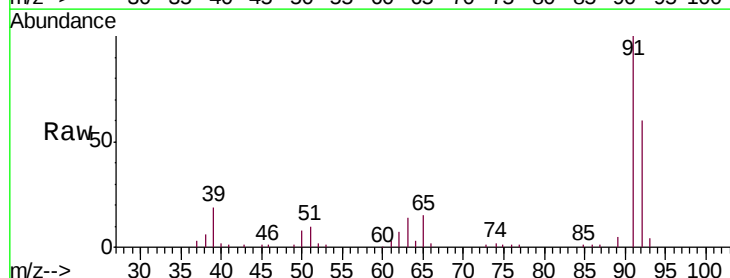
Acq: 25 Jul 2018 21:25

Tgt Ion: 92 Resp: 111922

Ion Ratio Lower Upper

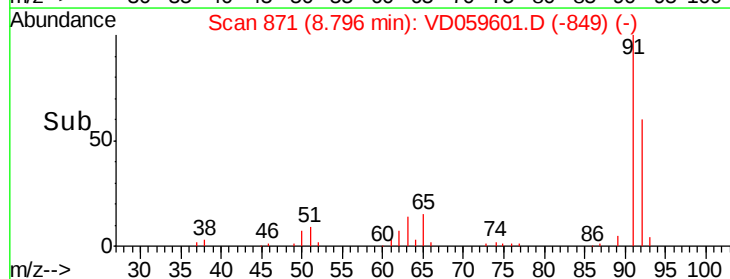
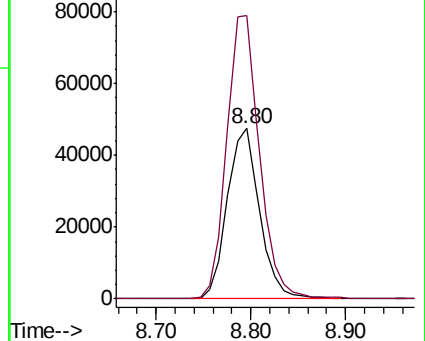
92 100

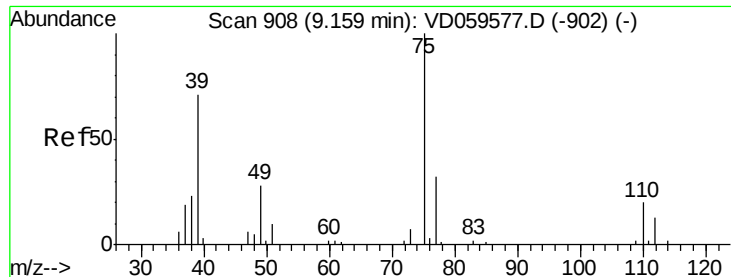
91 166.3 129.4 194.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

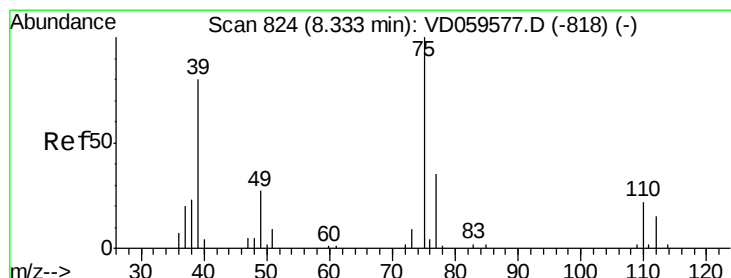
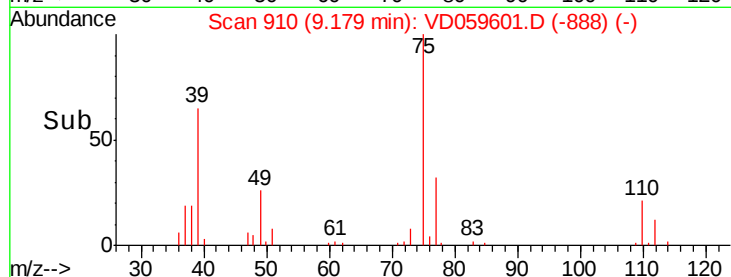
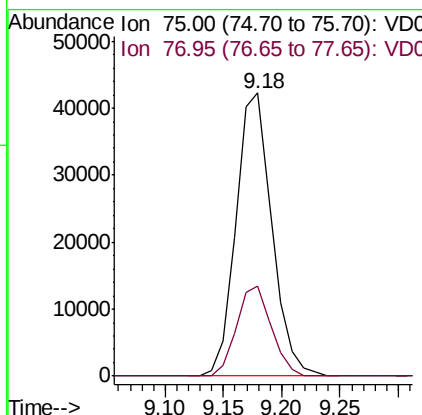
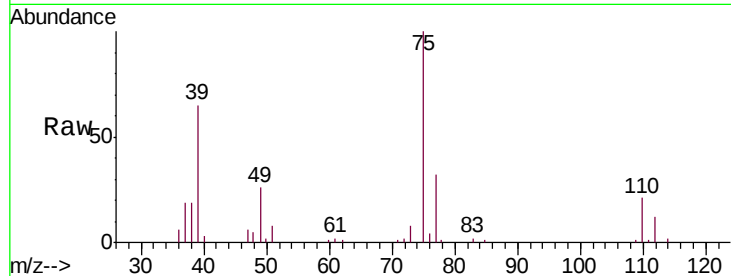




#53
t-1,3-Dichloropropene
Concen: 51.38 ug/l
RT: 9.18 min Scan# 910
Delta R.T. 0.02 min
Lab File: VD059601.D
Acq: 25 Jul 2018 21:25

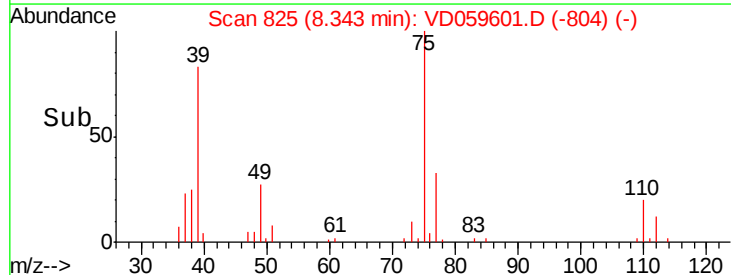
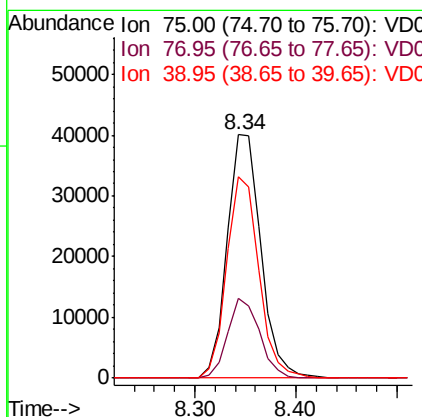
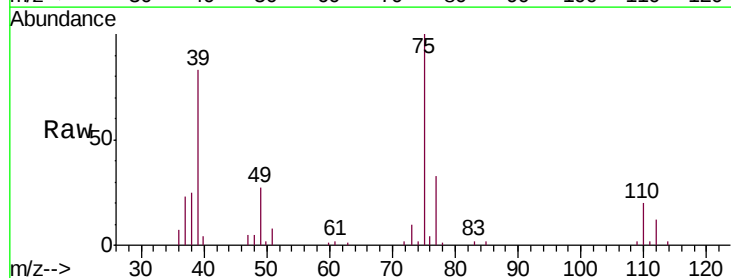
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

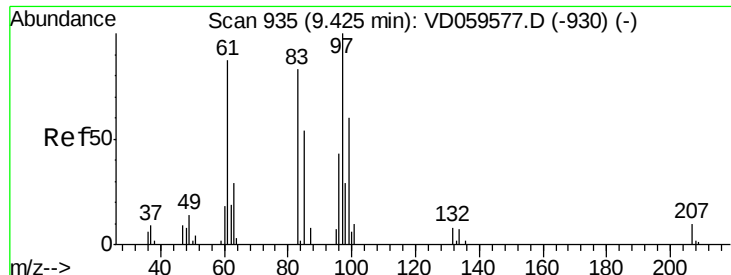
Tot Ion: 75 Resp: 89851
Ion Ratio Lower Upper
75 100
77 31.7 25.4 38.0



#54
cis-1,3-Dichloropropene
Concen: 53.50 ug/l
RT: 8.34 min Scan# 825
Delta R.T. 0.01 min
Lab File: VD059601.D
Acq: 25 Jul 2018 21:25

Tgt Ion: 75 Resp: 92919
Ion Ratio Lower Upper
75 100
77 32.6 27.7 41.5
39 82.7 63.8 95.8

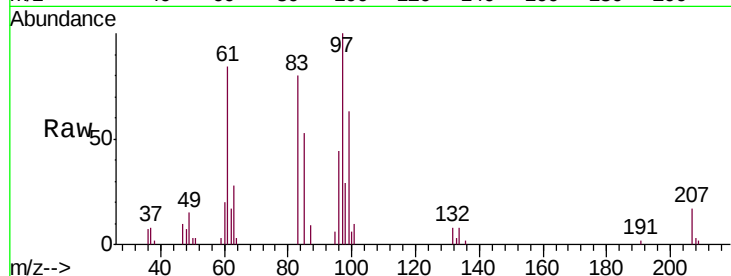




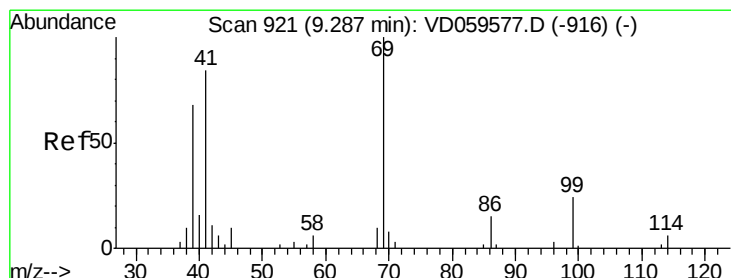
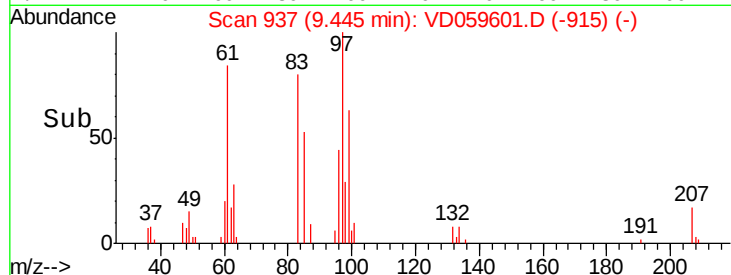
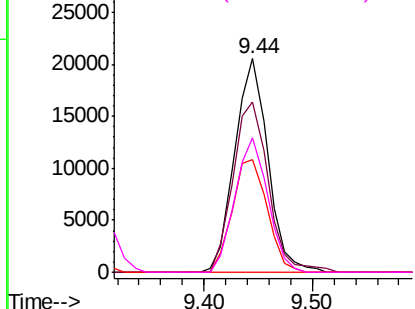
#55
 1,1,2-Trichloroethane
 Concen: 51.42 ug/l
 RT: 9.44 min Scan# 937
 Delta R.T. 0.02 min
 Lab File: VD059601.D
 Acq: 25 Jul 2018 21:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 97 Resp: 43930
 Ion Ratio Lower Upper
 97 100
 83 79.9 66.3 99.5
 85 53.0 43.0 64.6
 99 62.7 47.7 71.5

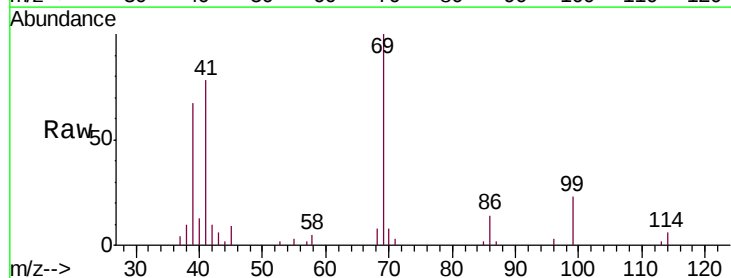


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

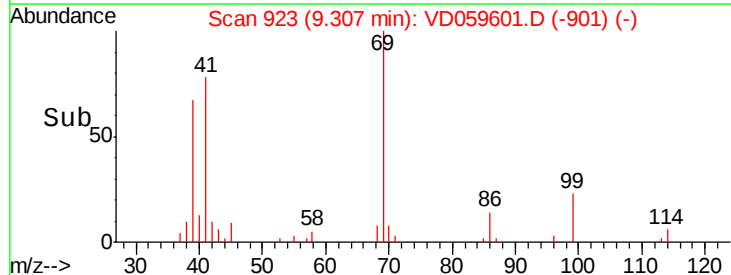
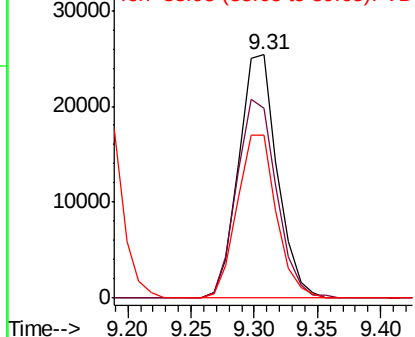


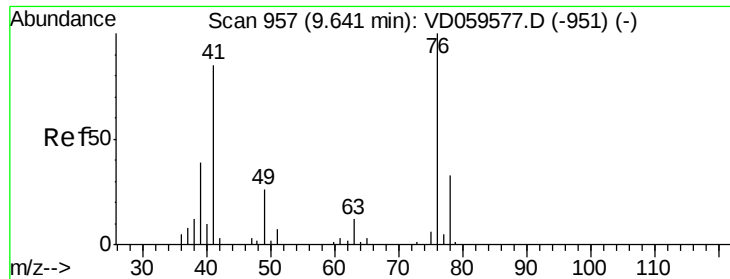
#56
 Ethyl methacrylate
 Concen: 55.56 ug/l
 RT: 9.31 min Scan# 923
 Delta R.T. 0.02 min
 Lab File: VD059601.D
 Acq: 25 Jul 2018 21:25

Tgt Ion: 69 Resp: 53863
 Ion Ratio Lower Upper
 69 100
 41 77.8 66.8 100.2
 39 66.9 54.7 82.1



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





#57

1,3-Dichloropropane

Concen: 52.26 ug/l

RT: 9.65 min Scan# 958

Delta R.T. 0.01 min

Lab File: VD059601.D

Acq: 25 Jul 2018 21:25

Instrument :

MSVOA_D

ClientSampleId :

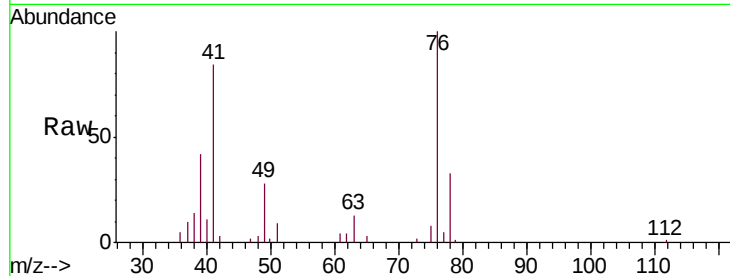
VSTDCCC050EC

Tot Ion: 76 Resp: 70945

Ion Ratio Lower Upper

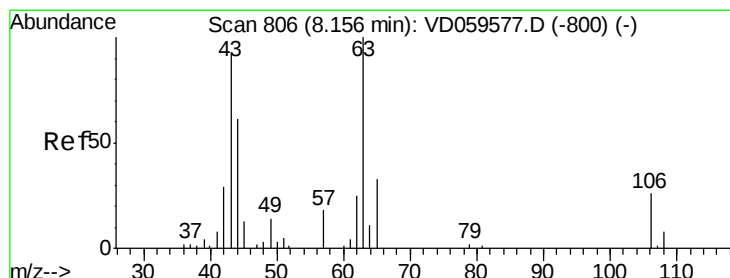
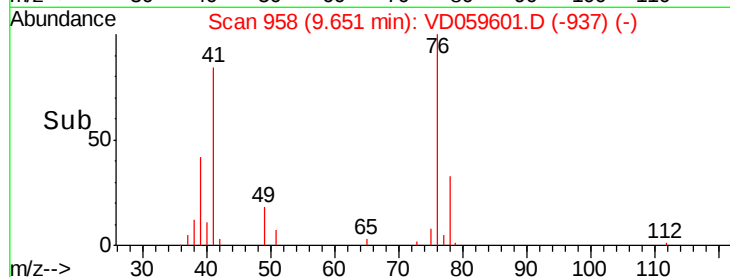
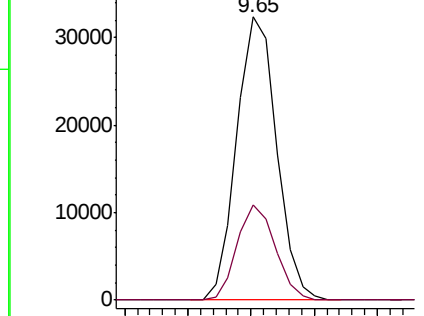
76 100

78 33.5 26.0 39.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 255.26 ug/l

RT: 8.18 min Scan# 808

Delta R.T. 0.02 min

Lab File: VD059601.D

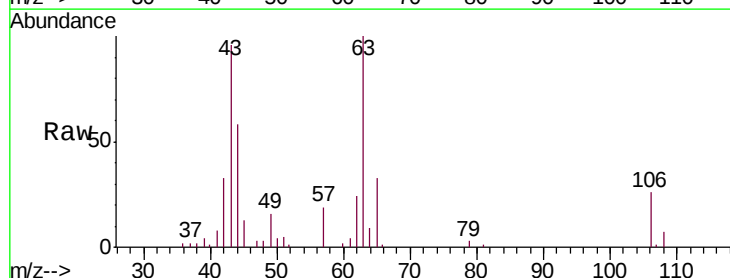
Acq: 25 Jul 2018 21:25

Tgt Ion: 63 Resp: 116270

Ion Ratio Lower Upper

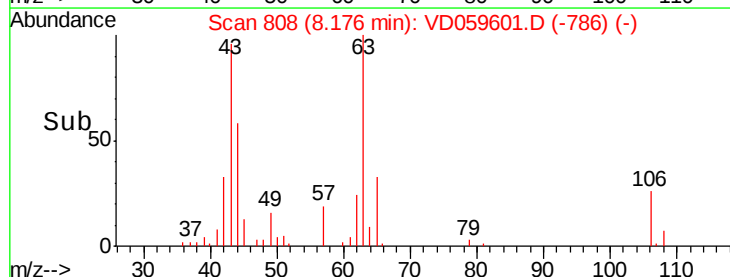
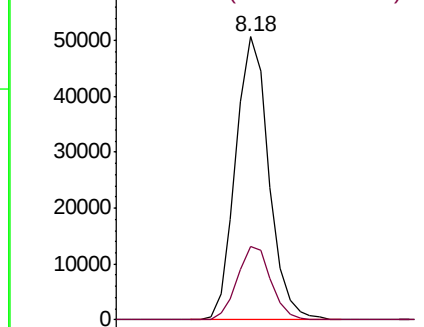
63 100

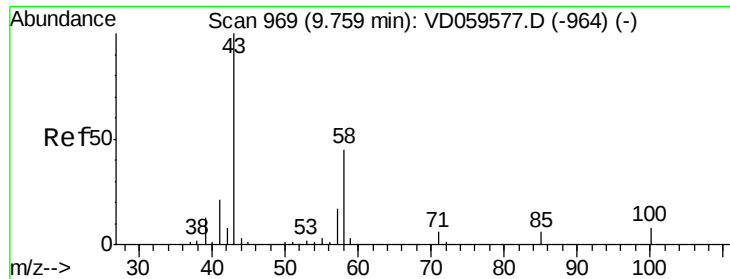
106 25.9 21.0 31.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

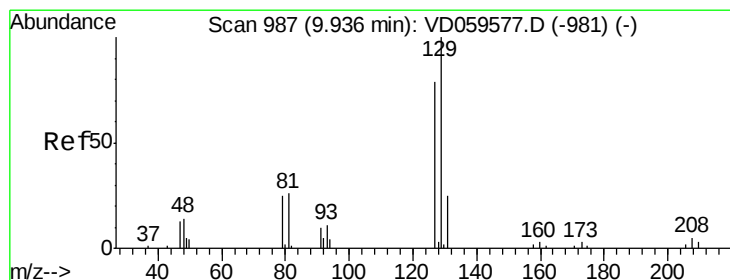
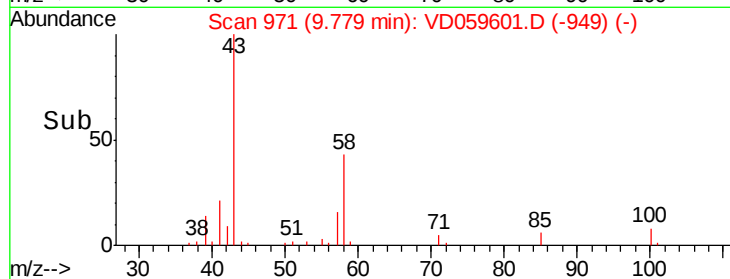
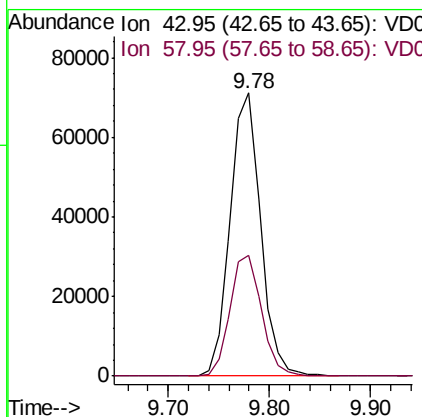
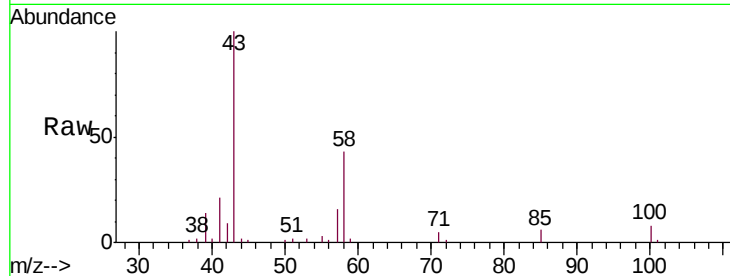




#59
2-Hexanone
Concen: 235.54 ug/l
RT: 9.78 min Scan# 971
Delta R.T. 0.02 min
Lab File: VD059601.D
Acq: 25 Jul 2018 21:25

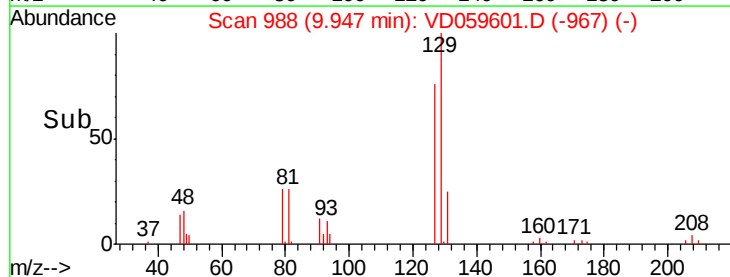
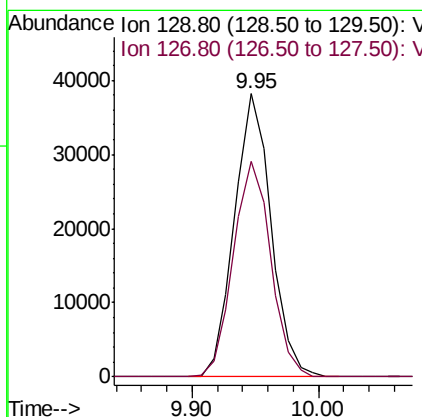
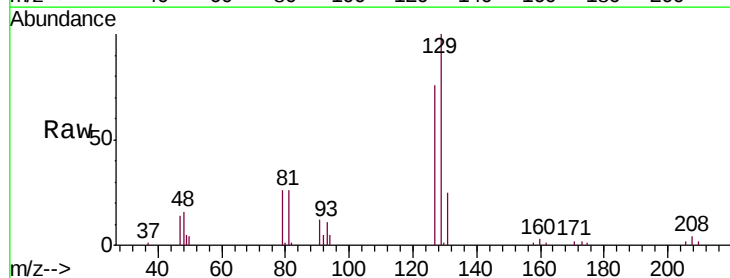
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

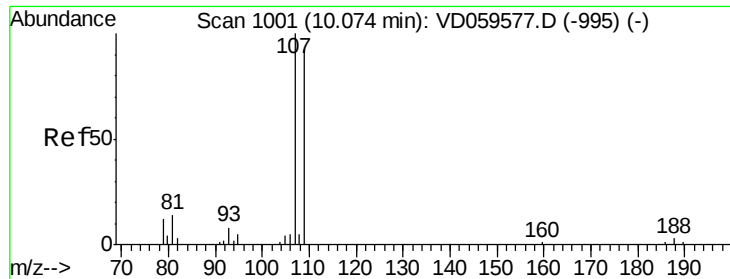
Tot Ion: 43 Resp: 149046
Ion Ratio Lower Upper
43 100
58 42.7 22.7 68.1



#60
Dibromochloromethane
Concen: 54.21 ug/l
RT: 9.95 min Scan# 988
Delta R.T. 0.01 min
Lab File: VD059601.D
Acq: 25 Jul 2018 21:25

Tgt Ion:129 Resp: 76899
Ion Ratio Lower Upper
129 100
127 76.4 39.3 117.9





#61

1,2-Dibromoethane

Concen: 53.57 ug/l

RT: 10.08 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VD059601.D

Acq: 25 Jul 2018 21:25

Instrument :

MSVOA_D

ClientSampleId :

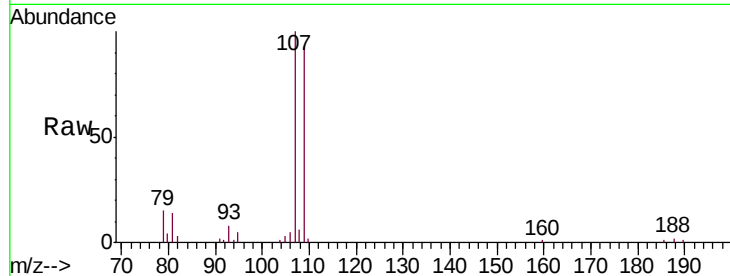
VSTDCCC050EC

Tot Ion:107 Resp: 54237

Ion Ratio Lower Upper

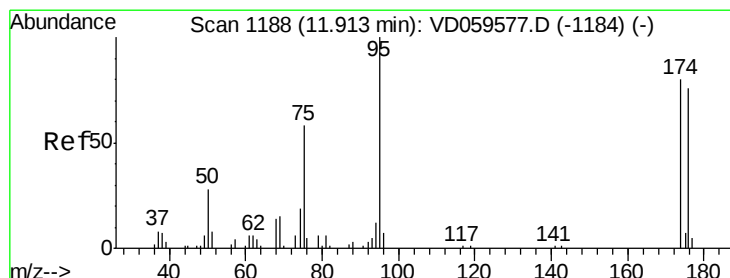
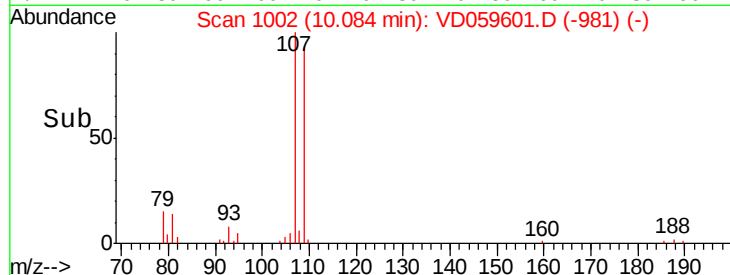
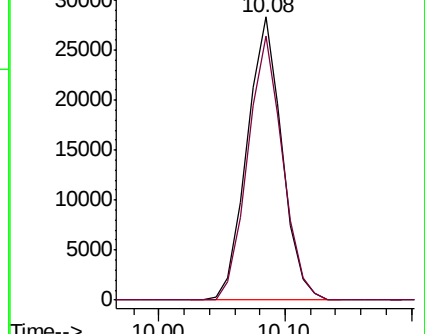
107 100

109 93.2 73.4 110.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 53.57 ug/l

RT: 11.92 min Scan# 1189

Delta R.T. 0.01 min

Lab File: VD059601.D

Acq: 25 Jul 2018 21:25

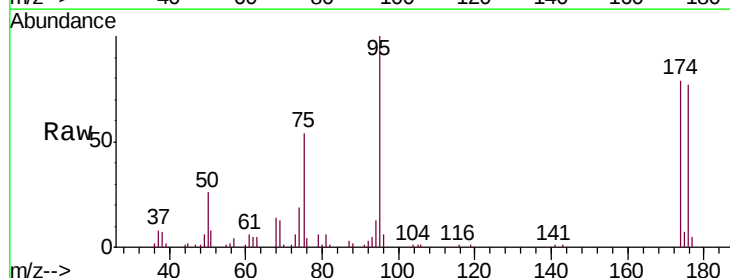
Tgt Ion: 95 Resp: 78072

Ion Ratio Lower Upper

95 100

174 79.3 0.0 160.6

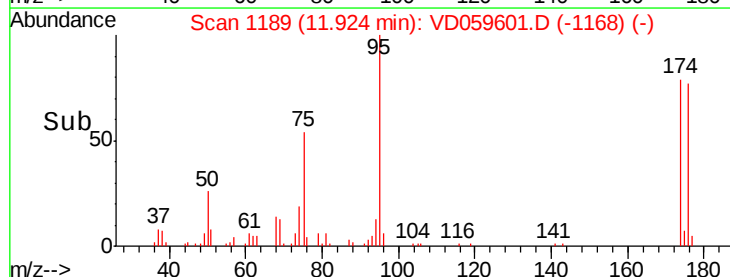
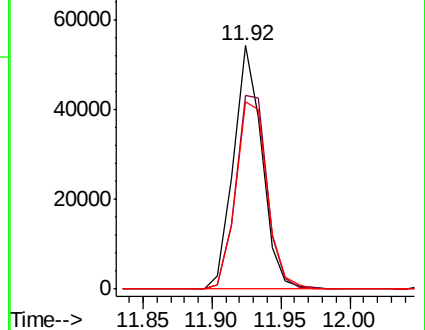
176 77.1 0.0 152.8

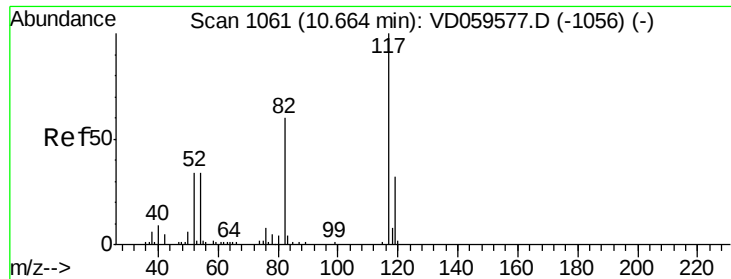


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

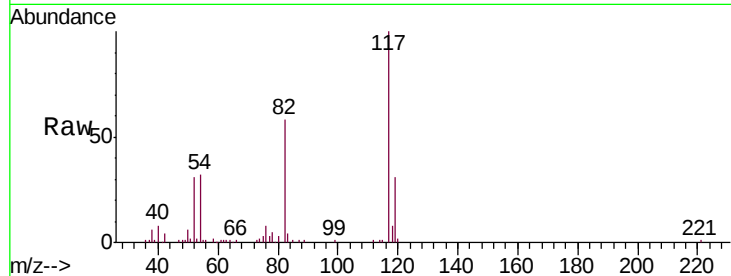




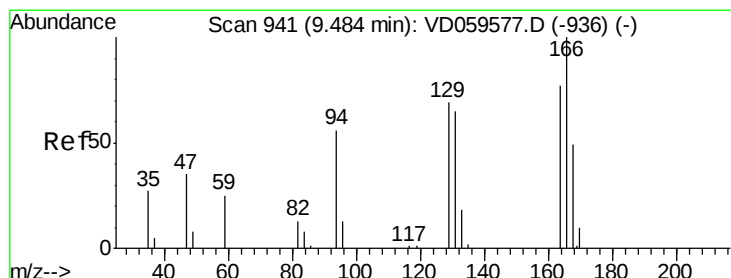
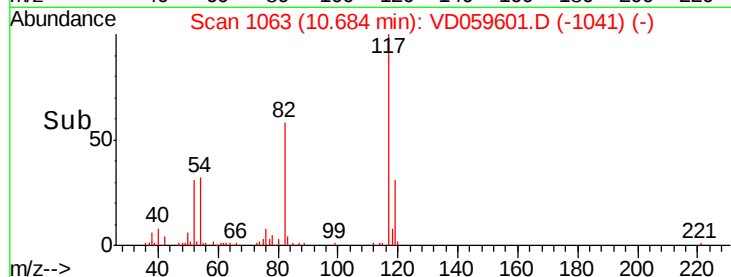
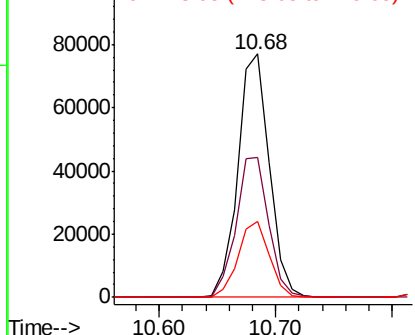
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.68 min Scan# 1063
Delta R.T. 0.02 min
Lab File: VD059601.D
Acq: 25 Jul 2018 21:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 143507
Ion Ratio Lower Upper
117 100
82 57.6 48.2 72.2
119 31.0 25.4 38.2

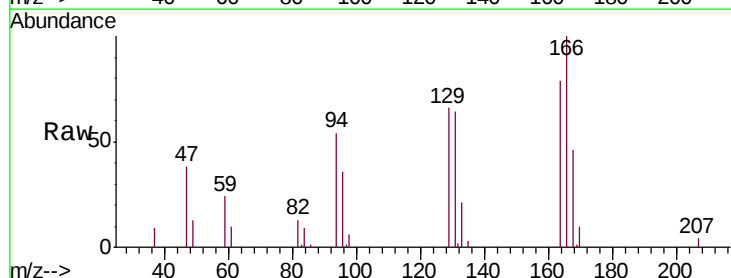


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

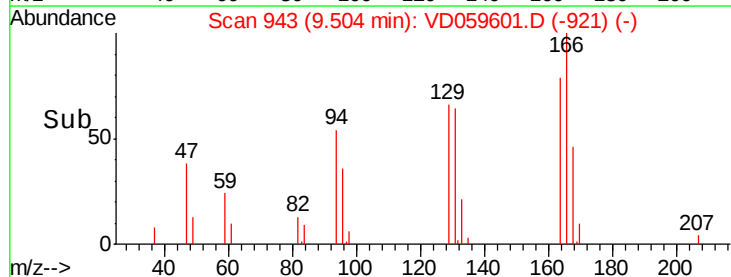
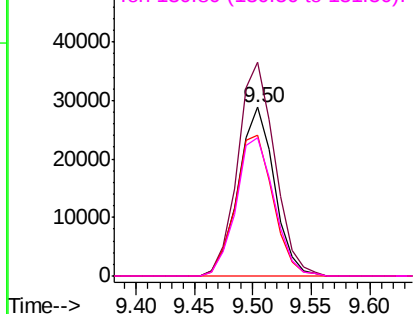


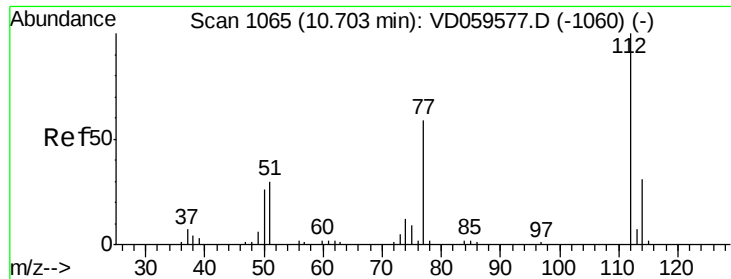
#64
Tetrachloroethene
Concen: 47.44 ug/l
RT: 9.50 min Scan# 943
Delta R.T. 0.02 min
Lab File: VD059601.D
Acq: 25 Jul 2018 21:25

Tgt Ion:164 Resp: 61700
Ion Ratio Lower Upper
164 100
166 126.8 104.0 156.0
129 83.6 72.2 108.4
131 81.8 67.7 101.5



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

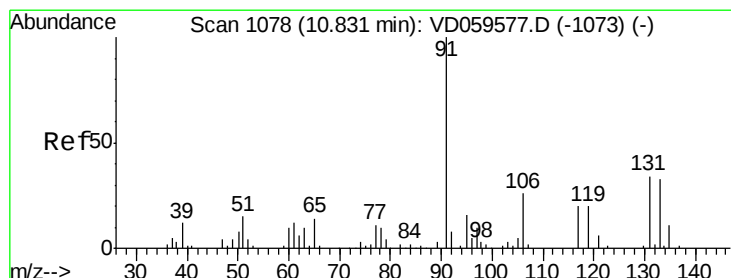
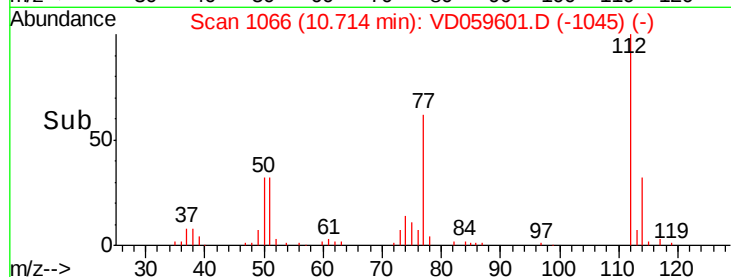
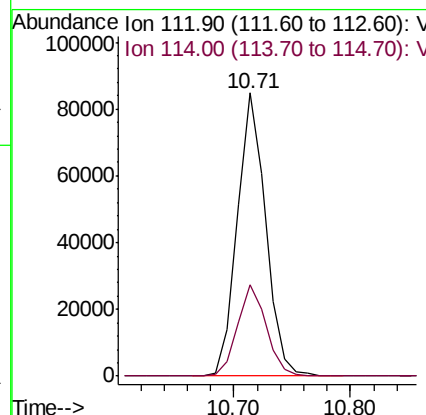
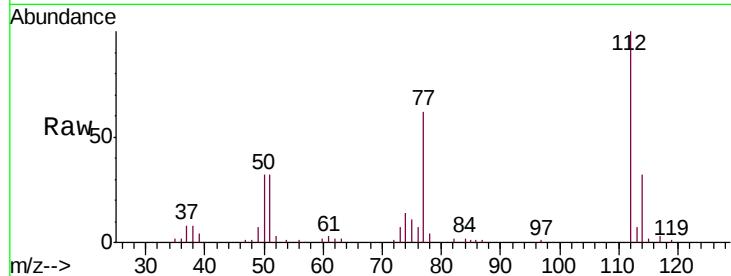




#65
Chlorobenzene
Concen: 48.60 ug/l
RT: 10.71 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VD059601.D
Acq: 25 Jul 2018 21:25

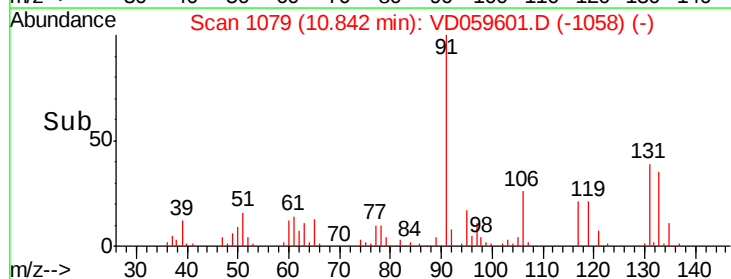
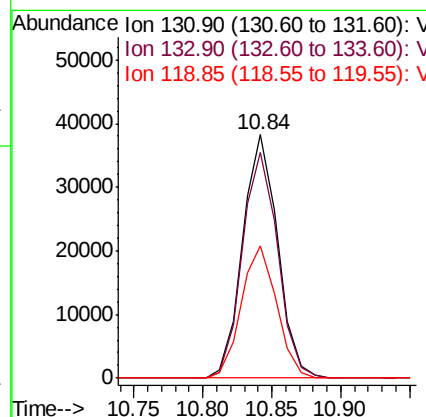
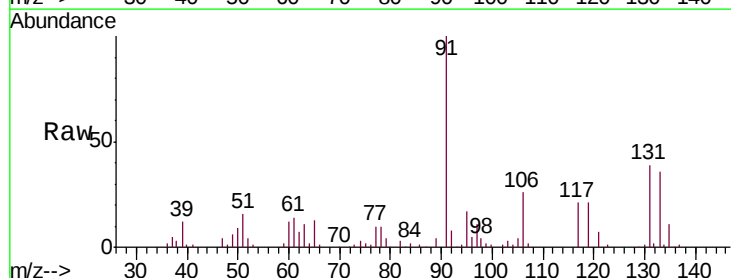
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

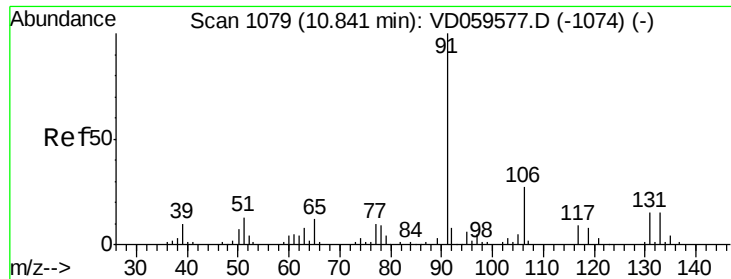
Tot Ion:112 Resp: 142981
Ion Ratio Lower Upper
112 100
114 32.3 24.5 36.7



#66
1,1,1,2-Tetrachloroethane
Concen: 53.01 ug/l
RT: 10.84 min Scan# 1079
Delta R.T. 0.01 min
Lab File: VD059601.D
Acq: 25 Jul 2018 21:25

Tgt Ion:131 Resp: 67831
Ion Ratio Lower Upper
131 100
133 92.6 47.9 143.7
119 54.5 28.7 86.1

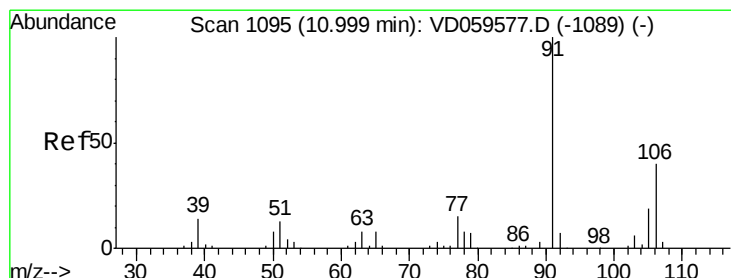
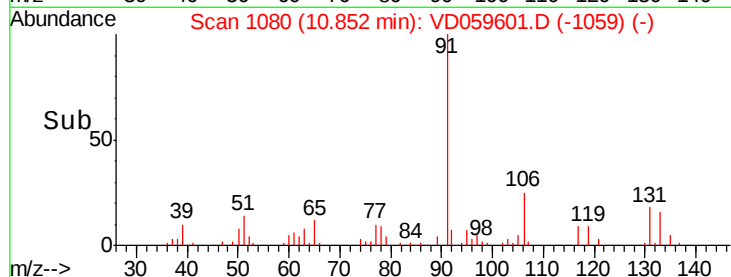
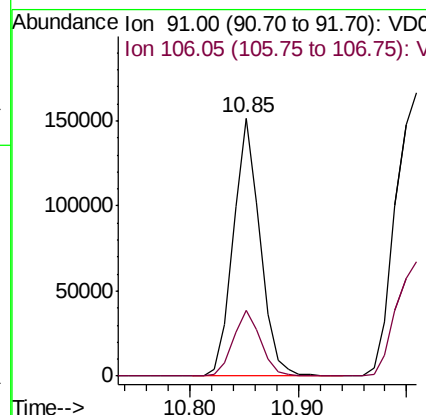
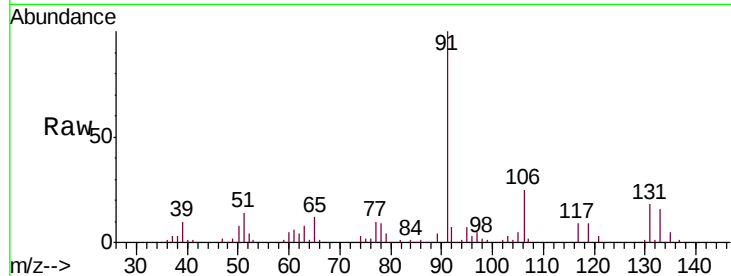




#67
Ethyl Benzene
Concen: 51.38 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VD059601.D
Acq: 25 Jul 2018 21:25

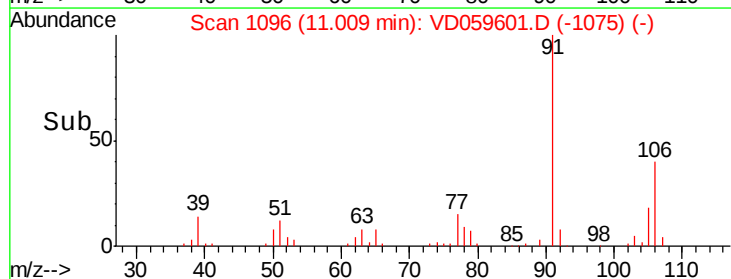
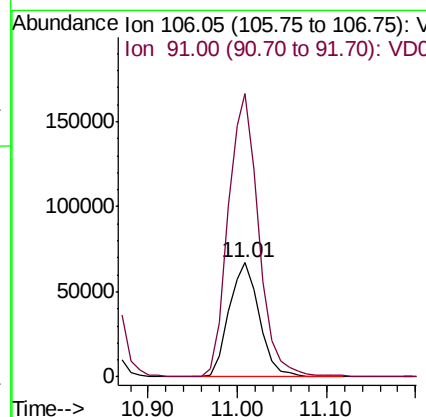
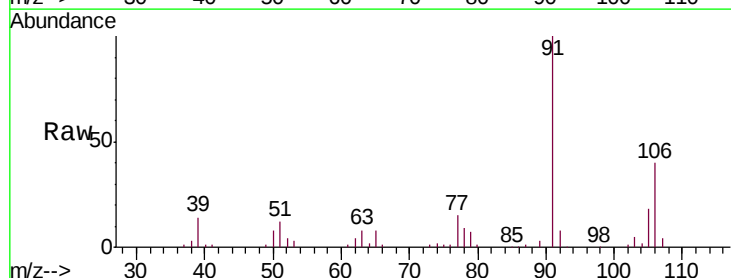
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 259814
Ion Ratio Lower Upper
91 100
106 25.4 21.6 32.4



#68
m/p-Xylenes
Concen: 94.68 ug/l
RT: 11.01 min Scan# 1096
Delta R.T. 0.01 min
Lab File: VD059601.D
Acq: 25 Jul 2018 21:25

Tgt Ion: 106 Resp: 159910
Ion Ratio Lower Upper
106 100
91 248.1 198.2 297.4

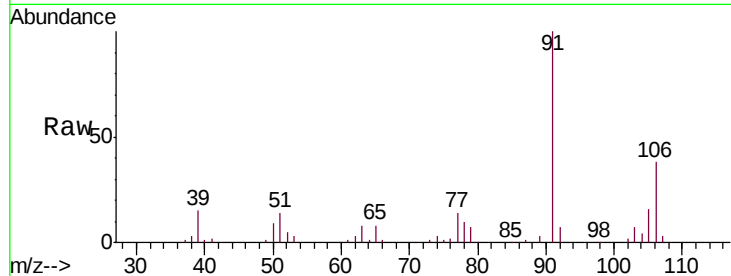




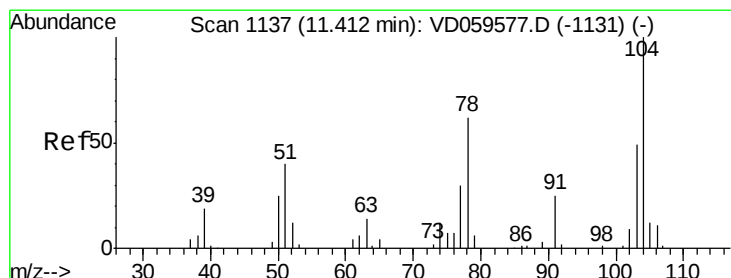
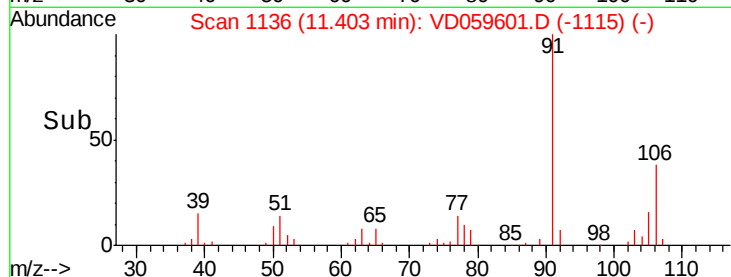
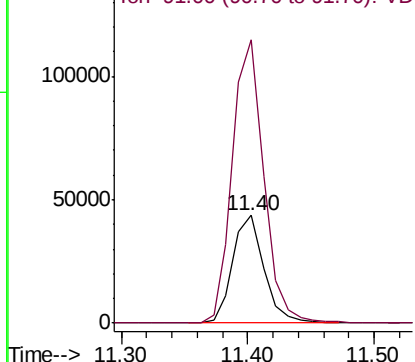
#69
o-Xylene
Concen: 45.50 ug/l
RT: 11.40 min Scan# 1136
Delta R.T. 0.01 min
Lab File: VD059601.D
Acq: 25 Jul 2018 21:25

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050EC

Tot Ion:106 Resp: 74560
Ion Ratio Lower Upper
106 100
91 263.4 122.7 368.1

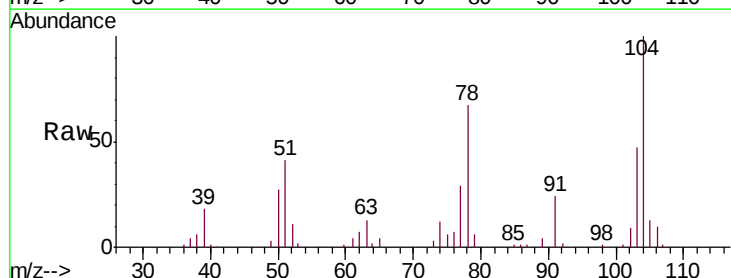


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

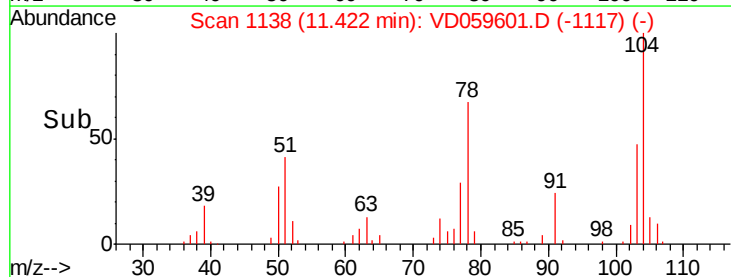
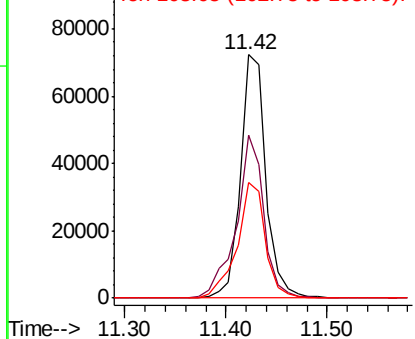


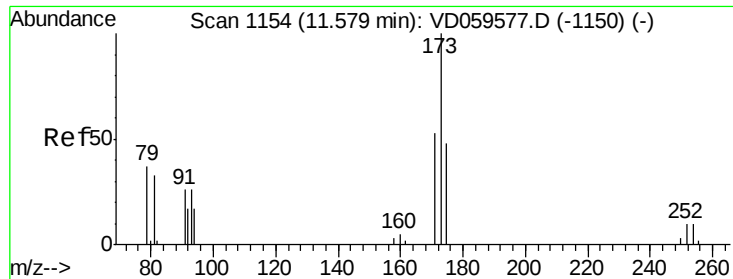
#70
Styrene
Concen: 46.46 ug/l
RT: 11.42 min Scan# 1138
Delta R.T. 0.01 min
Lab File: VD059601.D
Acq: 25 Jul 2018 21:25

Tgt Ion:104 Resp: 126250
Ion Ratio Lower Upper
104 100
78 66.9 49.4 74.0
103 47.4 39.0 58.6



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

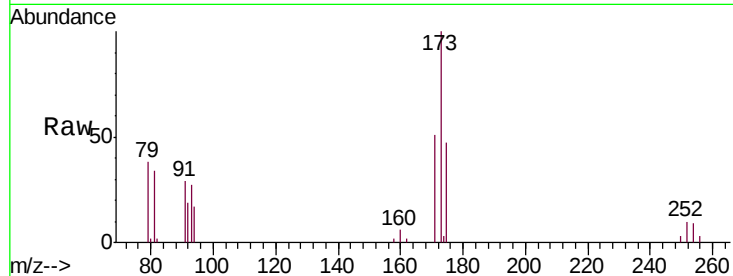




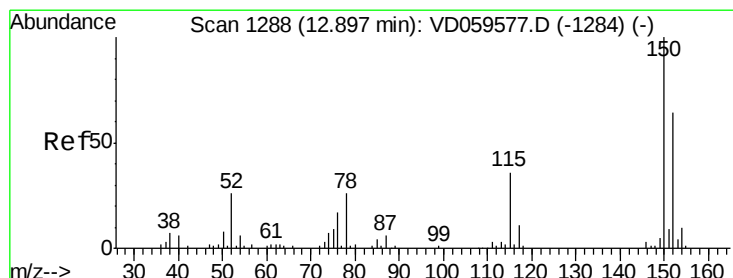
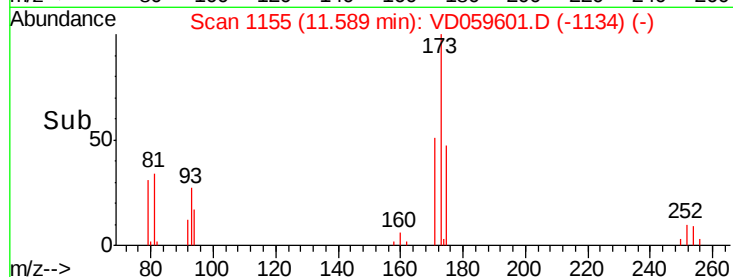
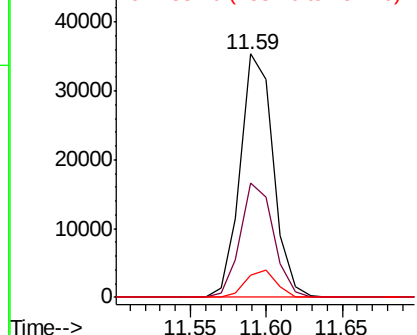
#71
Bromoform
Concen: 51.42 ug/l
RT: 11.59 min Scan# 1155
Delta R.T. 0.01 min
Lab File: VD059601.D
Acq: 25 Jul 2018 21:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:173 Resp: 53574
Ion Ratio Lower Upper
173 100
175 47.1 23.8 71.4
254 9.2 7.8 11.6

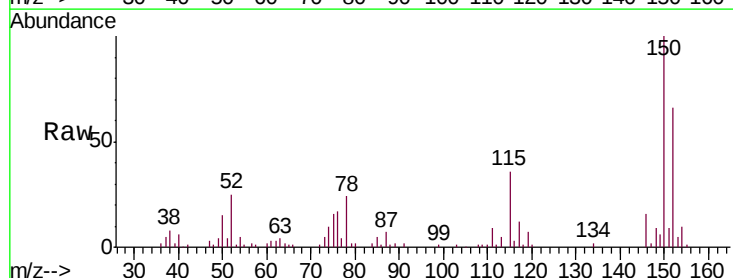


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

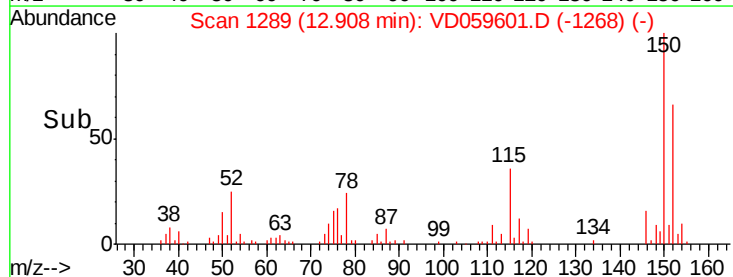
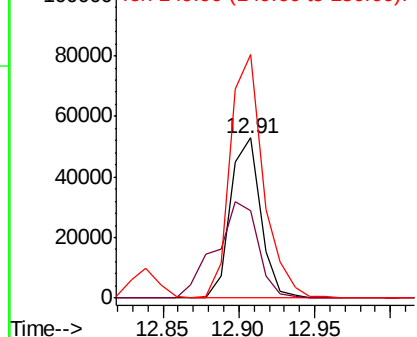


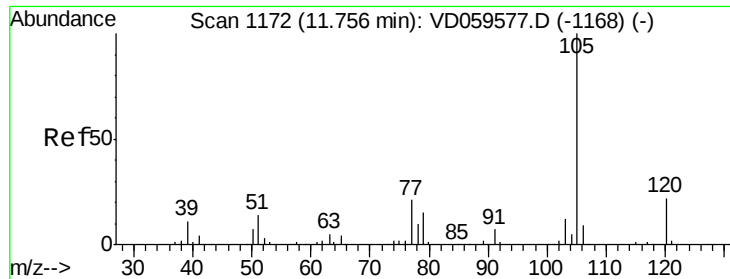
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.91 min Scan# 1289
Delta R.T. 0.01 min
Lab File: VD059601.D
Acq: 25 Jul 2018 21:25

Tgt Ion:152 Resp: 73185
Ion Ratio Lower Upper
152 100
115 54.3 29.5 88.6
150 152.0 0.0 314.4



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





#73

Isopropylbenzene

Concen: 46.27 ug/l

RT: 11.77 min Scan# 1173

Delta R.T. 0.01 min

Lab File: VD059601.D

Acq: 25 Jul 2018 21:25

Instrument :

MSVOA_D

ClientSampleId :

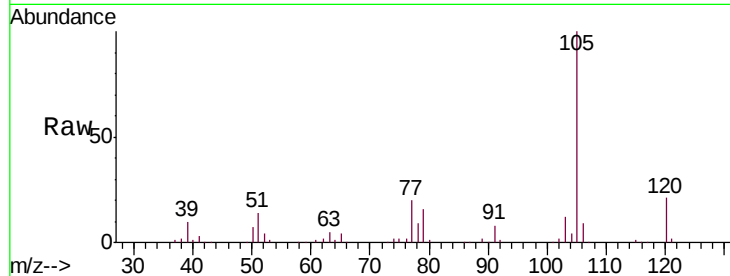
VSTDCCC050EC

Tot Ion:105 Resp: 239224

Ion Ratio Lower Upper

105 100

120 21.2 10.9 32.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

11.77

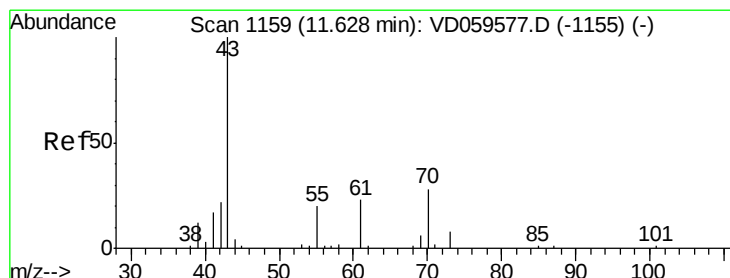
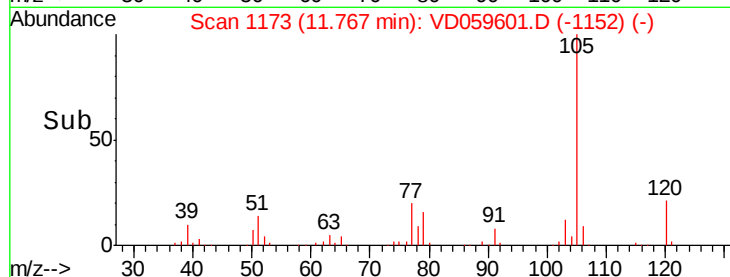
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 47.99 ug/l

RT: 11.64 min Scan# 1160

Delta R.T. 0.01 min

Lab File: VD059601.D

Acq: 25 Jul 2018 21:25

Tgt Ion: 43 Resp: 85011

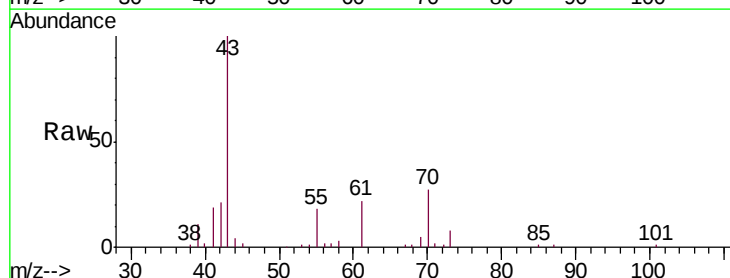
Ion Ratio Lower Upper

43 100

70 26.7 22.0 33.0

55 18.4 16.2 24.2

61 22.2 18.6 27.8



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

11.64

100000

80000

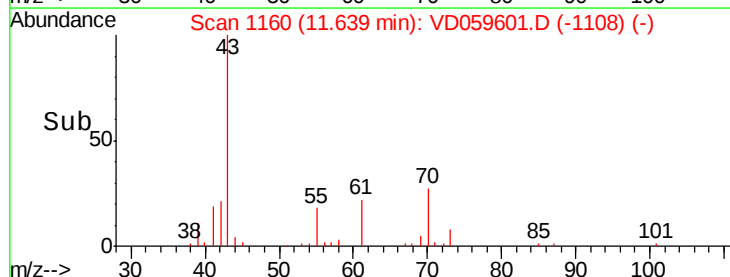
60000

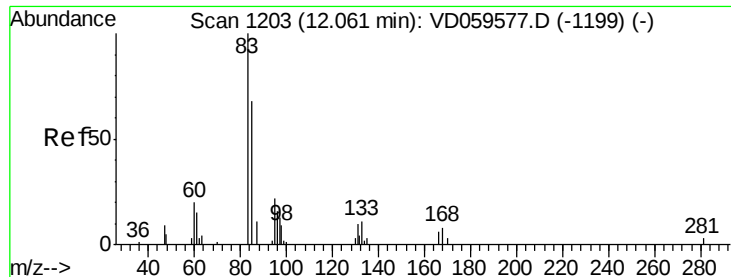
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 49.71 ug/l

RT: 12.07 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD059601.D

Acq: 25 Jul 2018 21:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

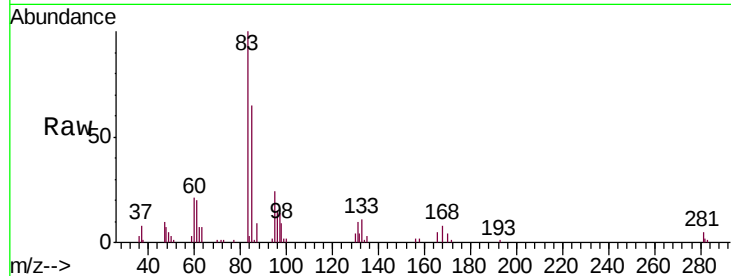
Tot Ion: 83 Resp: 52469

Ion Ratio Lower Upper

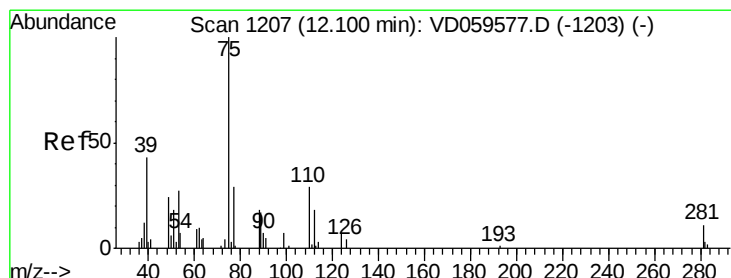
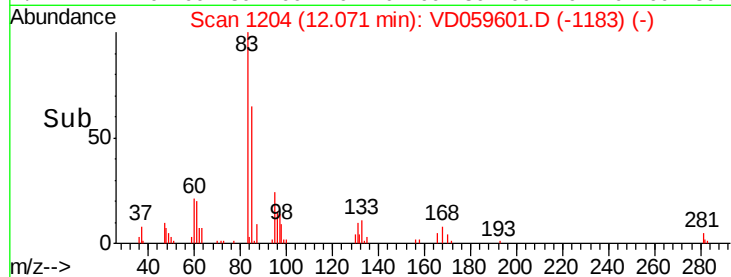
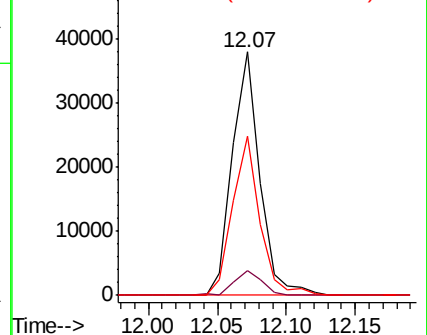
83 100

131 10.2 5.1 15.2

85 65.1 34.1 102.3



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



#76

1,2,3-Trichloropropane

Concen: 49.03 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. 0.01 min

Lab File: VD059601.D

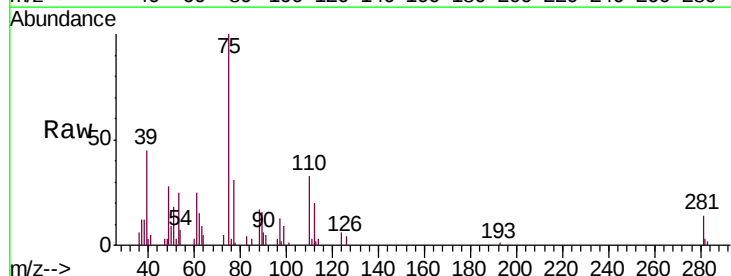
Acq: 25 Jul 2018 21:25

Tgt Ion: 75 Resp: 59334

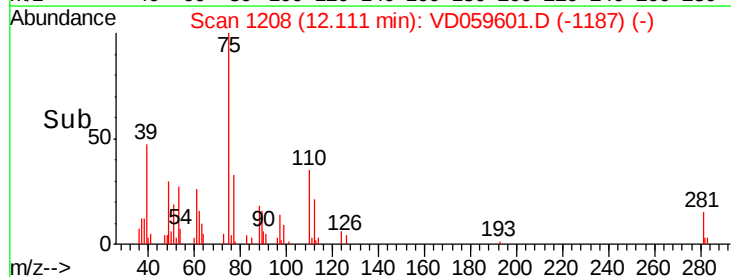
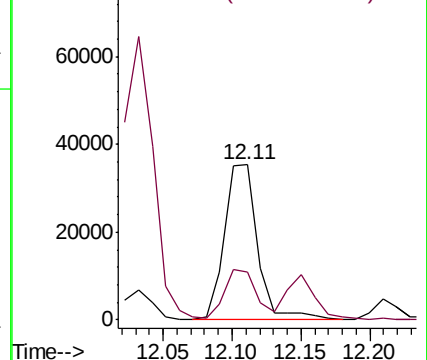
Ion Ratio Lower Upper

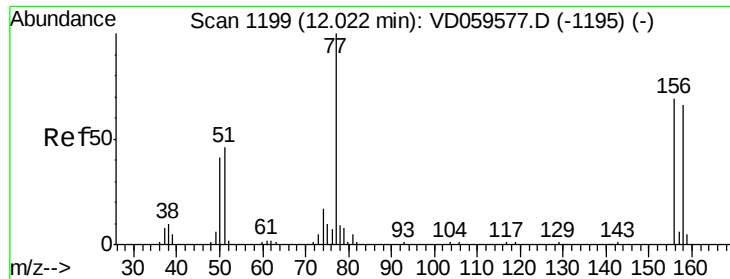
75 100

77 31.3 15.6 46.7



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





#77

Bromobenzene

Concen: 47.54 ug/l

RT: 12.03 min Scan# 1200

Delta R.T. 0.01 min

Lab File: VD059601.D

Acq: 25 Jul 2018 21:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

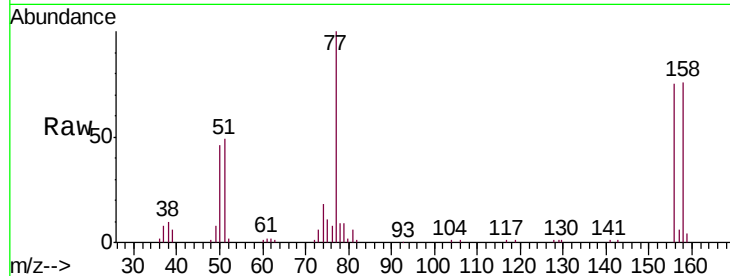
Tot Ion:156 Resp: 71957

Ion Ratio Lower Upper

156 100

77 132.8 72.4 217.2

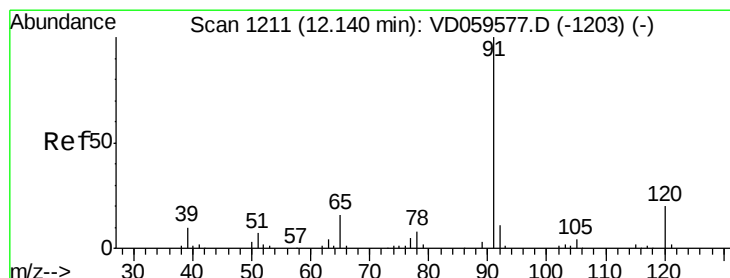
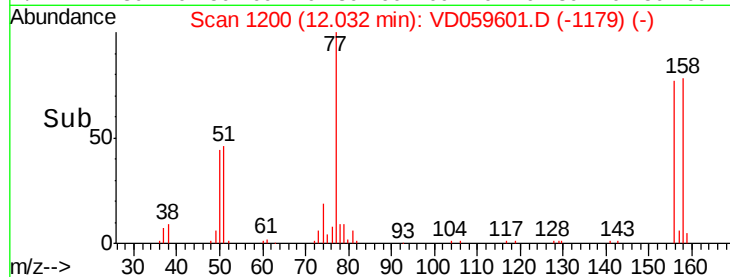
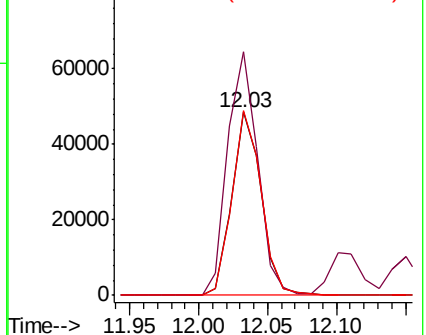
158 100.8 48.0 144.2



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 46.43 ug/l

RT: 12.15 min Scan# 1212

Delta R.T. 0.01 min

Lab File: VD059601.D

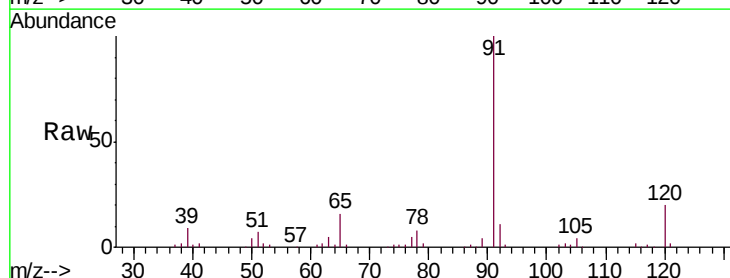
Acq: 25 Jul 2018 21:25

Tgt Ion: 91 Resp: 291684

Ion Ratio Lower Upper

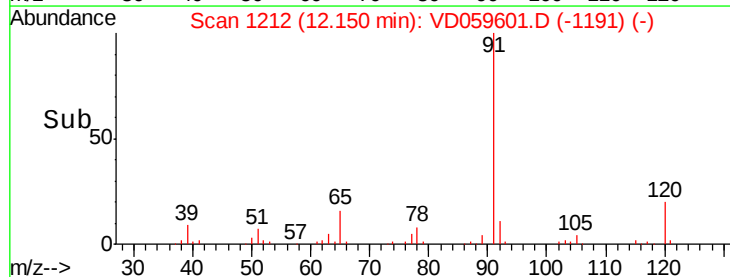
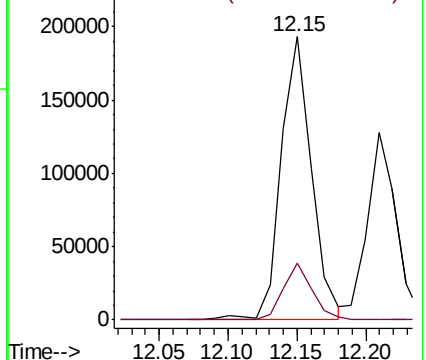
91 100

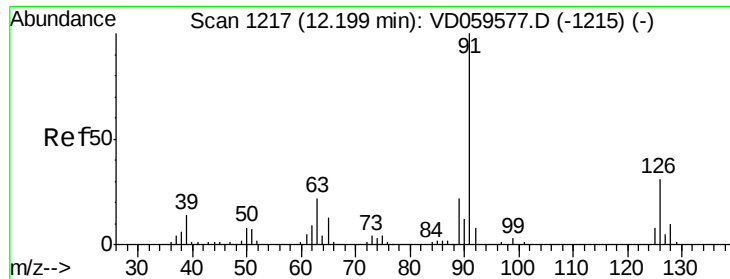
120 20.0 9.9 29.7



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

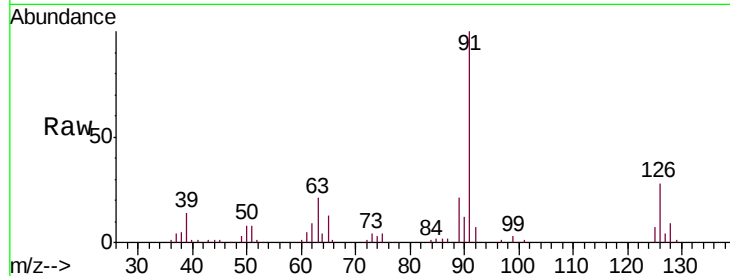




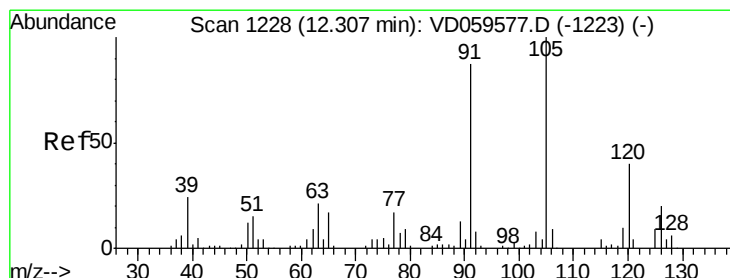
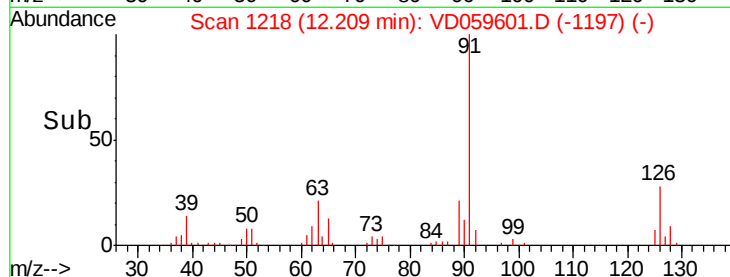
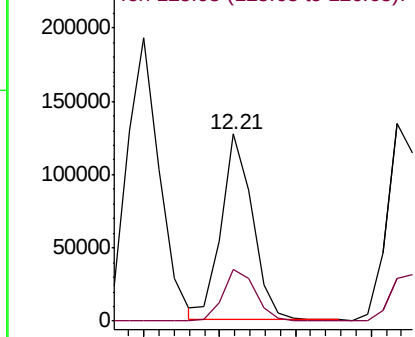
#79
 2-Chlorotoluene
 Concen: 48.45 ug/l
 RT: 12.21 min Scan# 1218
 Delta R.T. 0.01 min
 Lab File: VD059601.D
 Acq: 25 Jul 2018 21:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 181450
 Ion Ratio Lower Upper
 91 100
 126 28.0 14.5 43.6

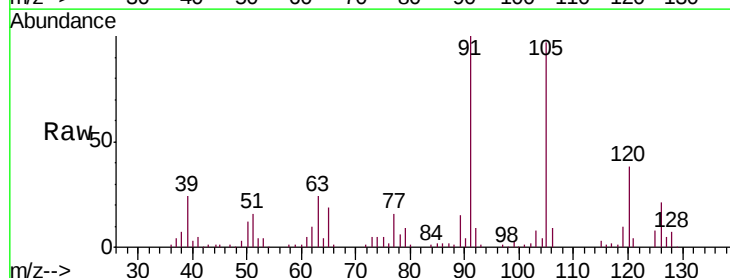


Abundance Ion 91.00 (90.70 to 91.70): VDC
 Ion 125.95 (125.65 to 126.65): V

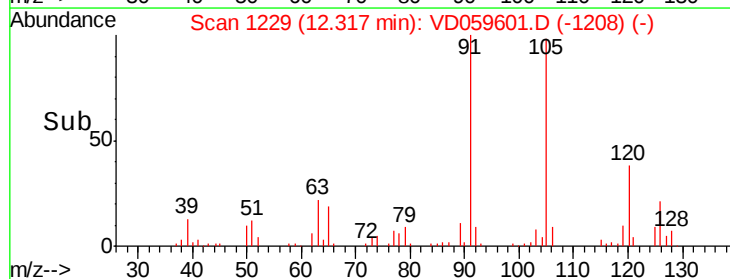
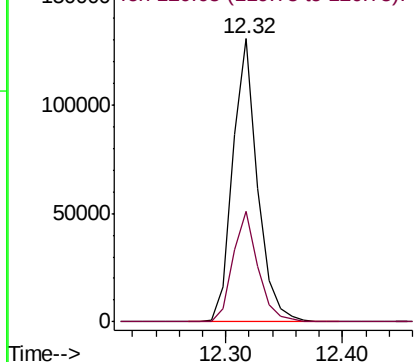


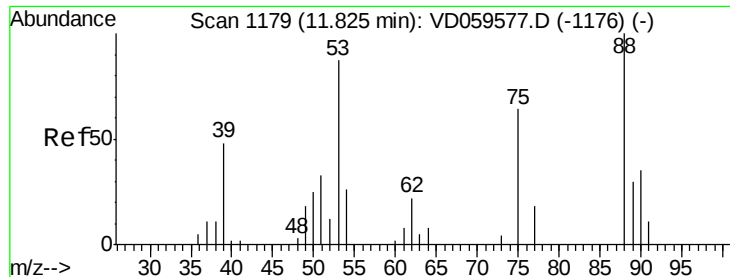
#80
 1,3,5-Trimethylbenzene
 Concen: 46.85 ug/l
 RT: 12.32 min Scan# 1229
 Delta R.T. 0.01 min
 Lab File: VD059601.D
 Acq: 25 Jul 2018 21:25

Tgt Ion: 105 Resp: 191227
 Ion Ratio Lower Upper
 105 100
 120 39.2 19.9 59.6



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

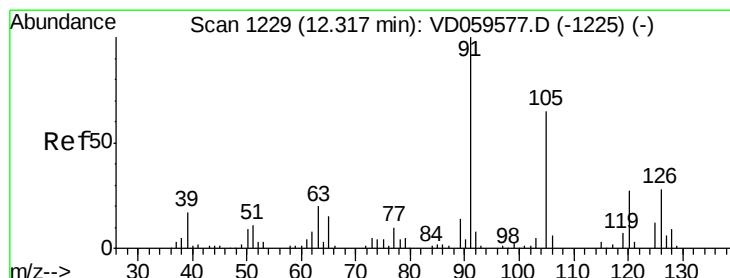
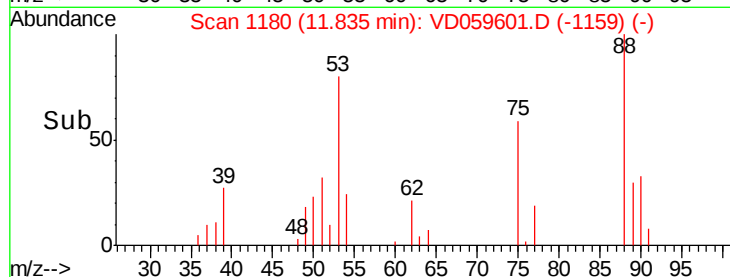
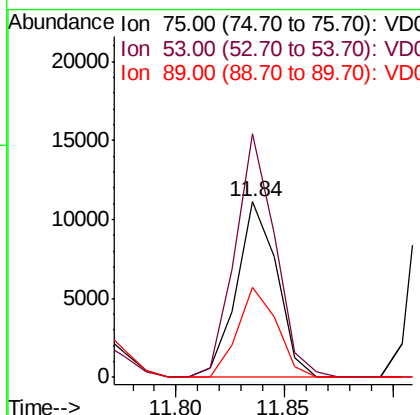
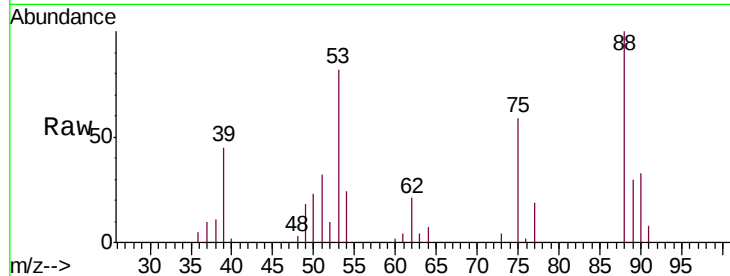




#81
trans-1,4-Dichloro-2-butene
Concen: 47.23 ug/l
RT: 11.84 min Scan# 1180
Delta R.T. 0.01 min
Lab File: VD059601.D
Acq: 25 Jul 2018 21:25

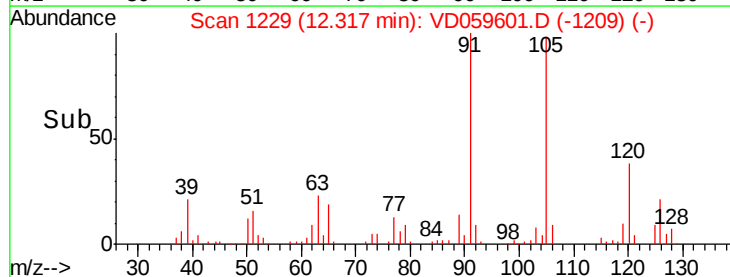
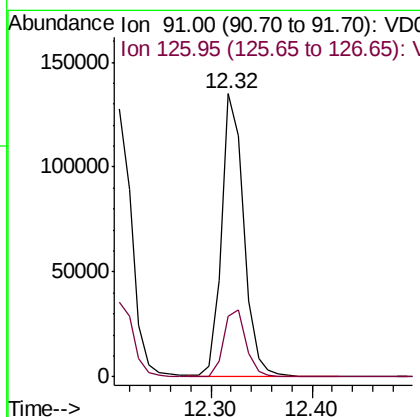
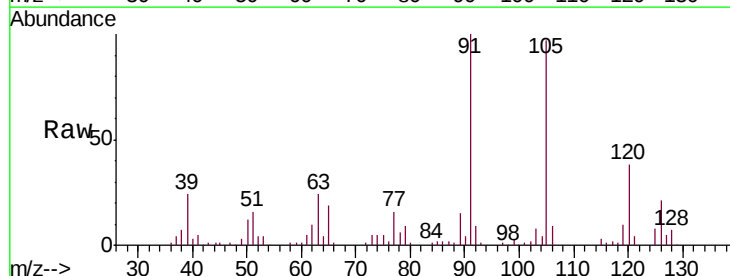
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

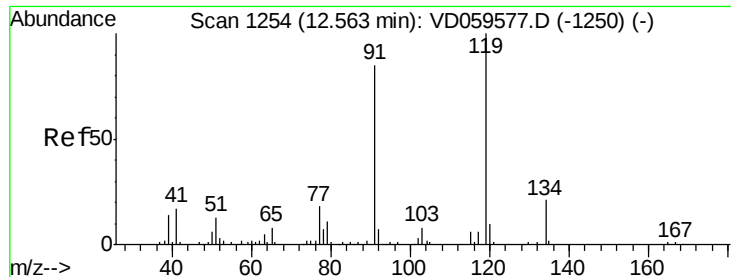
Tot Ion: 75 Resp: 14613
Ion Ratio Lower Upper
75 100
53 139.0 107.7 161.5
89 51.7 37.3 55.9



#82
4-Chlorotoluene
Concen: 49.14 ug/l
RT: 12.32 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VD059601.D
Acq: 25 Jul 2018 21:25

Tgt Ion: 91 Resp: 208131
Ion Ratio Lower Upper
91 100
126 21.4 14.1 42.4

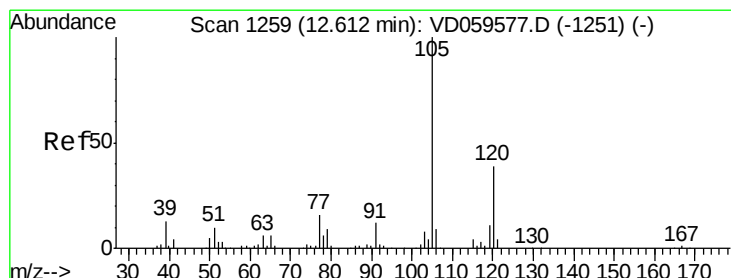
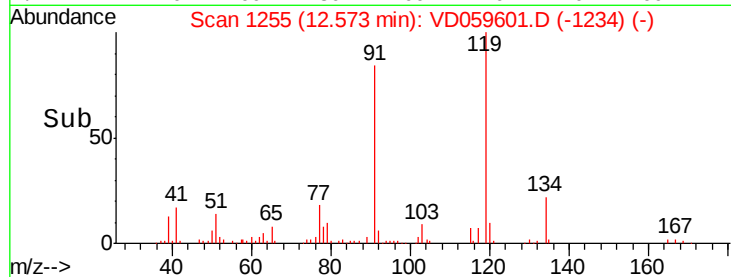
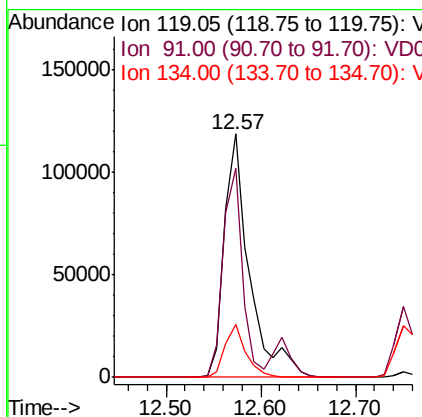
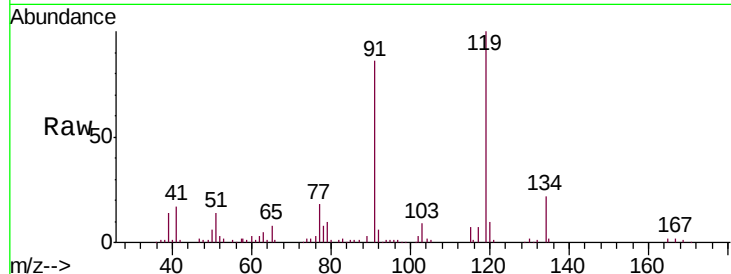




#83
 tert-Butylbenzene
 Concen: 47.37 ug/l
 RT: 12.57 min Scan# 1255
 Delta R.T. 0.01 min
 Lab File: VD059601.D
 Acq: 25 Jul 2018 21:25

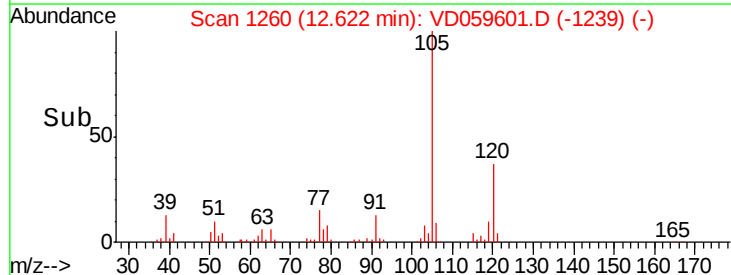
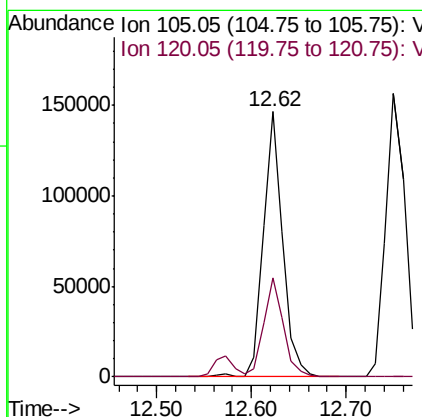
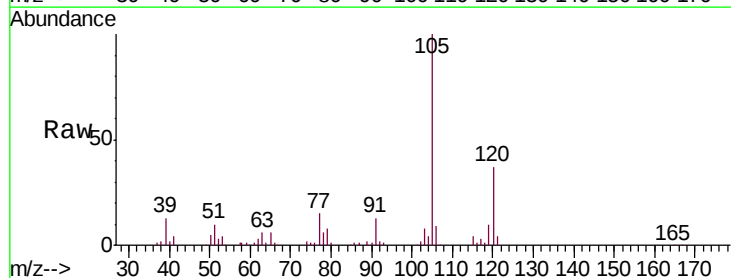
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

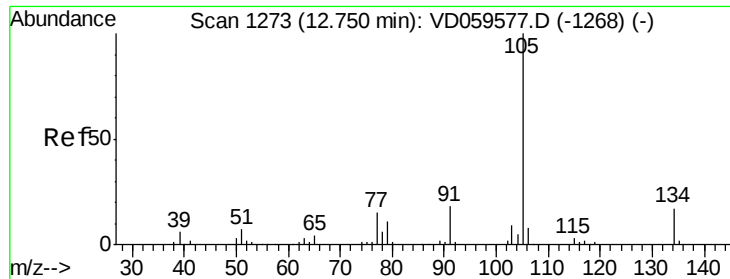
Tot Ion:119 Resp: 217691
 Ion Ratio Lower Upper
 119 100
 91 85.6 42.5 127.5
 134 21.8 10.5 31.6



#84
 1,2,4-Trimethylbenzene
 Concen: 48.26 ug/l
 RT: 12.62 min Scan# 1260
 Delta R.T. 0.01 min
 Lab File: VD059601.D
 Acq: 25 Jul 2018 21:25

Tgt Ion:105 Resp: 209398
 Ion Ratio Lower Upper
 105 100
 120 37.4 19.3 57.9

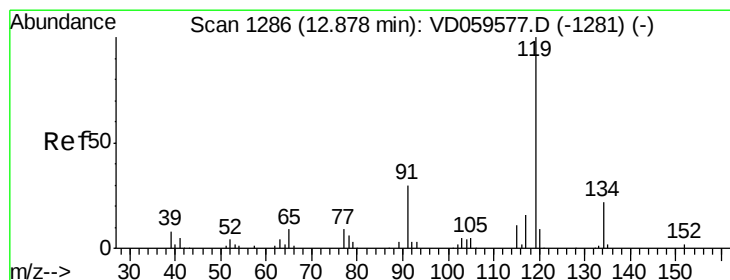
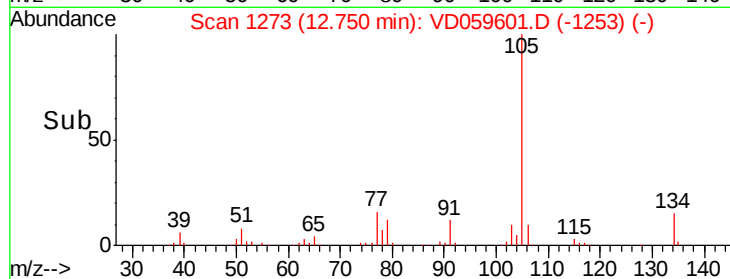
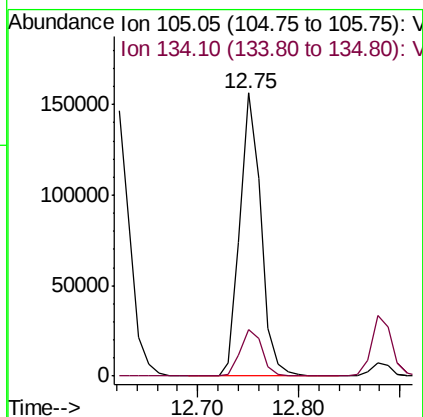
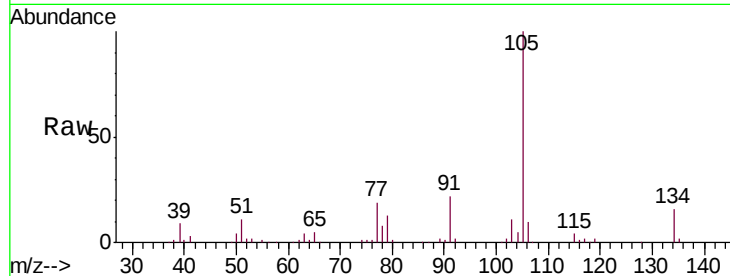




#85
 sec-Butylbenzene
 Concen: 43.31 ug/l
 RT: 12.75 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: VD059601.D
 Acq: 25 Jul 2018 21:25

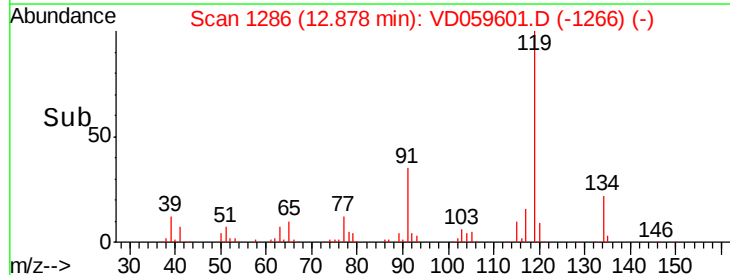
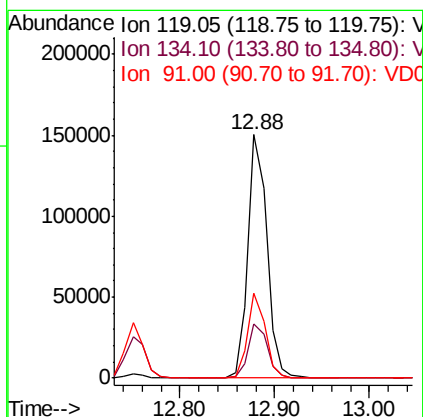
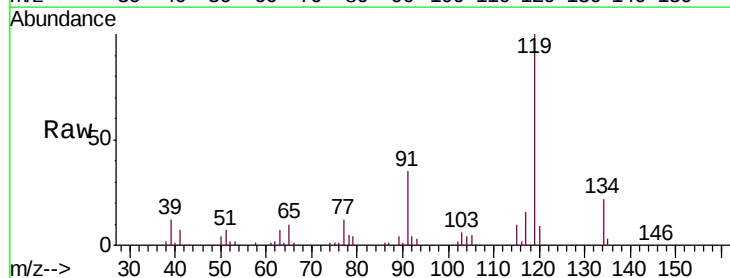
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

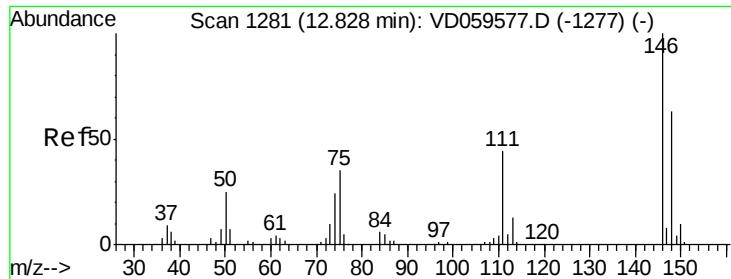
Tot Ion:105 Resp: 227441
 Ion Ratio Lower Upper
 105 100
 134 16.3 8.8 26.2



#86
 p-Isopropyltoluene
 Concen: 47.16 ug/l
 RT: 12.88 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VD059601.D
 Acq: 25 Jul 2018 21:25

Tgt Ion:119 Resp: 208730
 Ion Ratio Lower Upper
 119 100
 134 22.2 11.2 33.6
 91 34.7 15.0 45.1

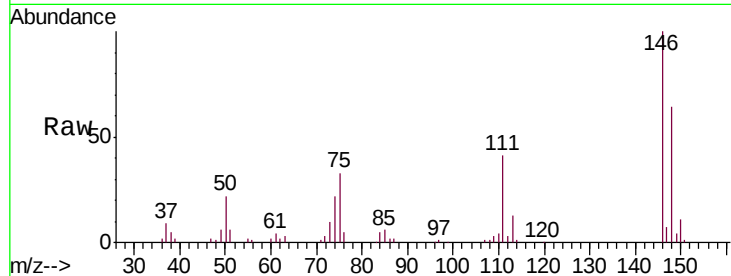




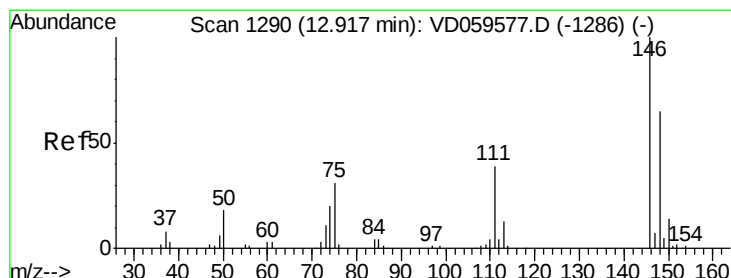
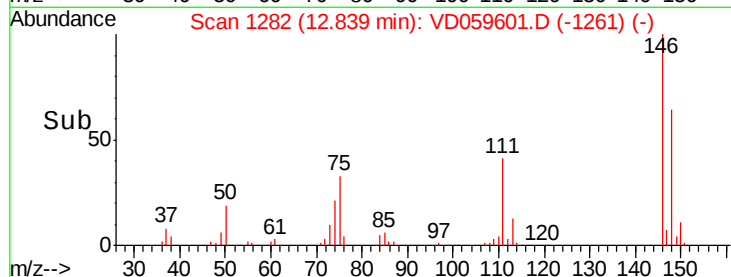
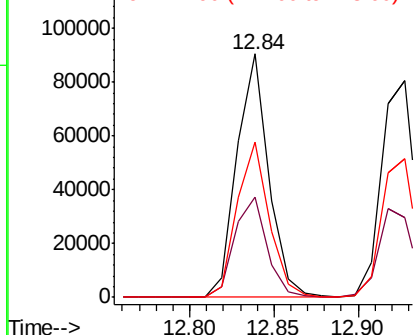
#87
 1,3-Dichlorobenzene
 Concen: 46.34 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. 0.01 min
 Lab File: VD059601.D
 Acq: 25 Jul 2018 21:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:146 Resp: 118612
 Ion Ratio Lower Upper
 146 100
 111 41.2 22.2 66.6
 148 63.9 31.8 95.3

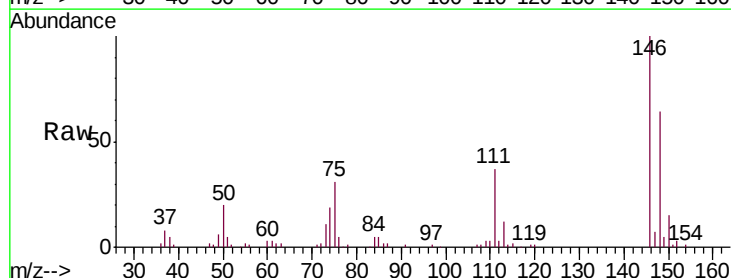


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

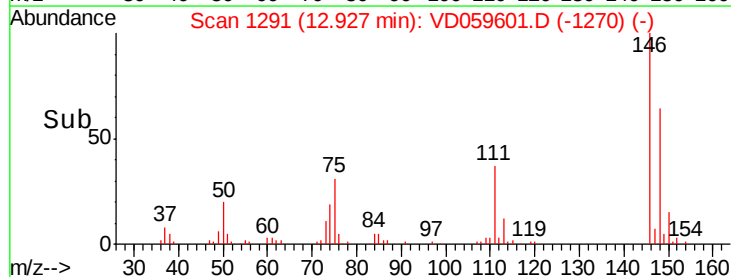
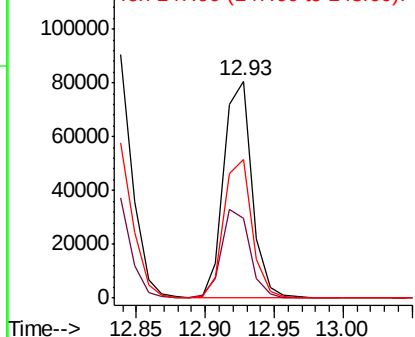


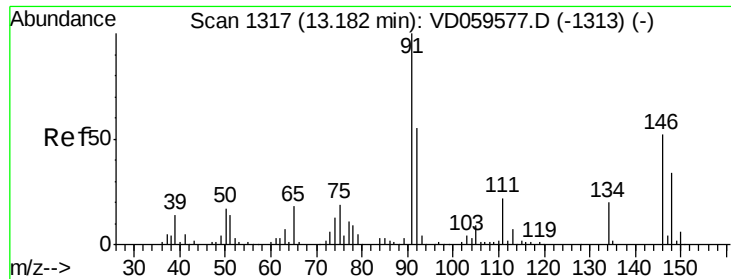
#88
 1,4-Dichlorobenzene
 Concen: 46.40 ug/l
 RT: 12.93 min Scan# 1291
 Delta R.T. 0.01 min
 Lab File: VD059601.D
 Acq: 25 Jul 2018 21:25

Tgt Ion:146 Resp: 114426
 Ion Ratio Lower Upper
 146 100
 111 36.5 19.3 57.9
 148 63.6 32.4 97.2



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

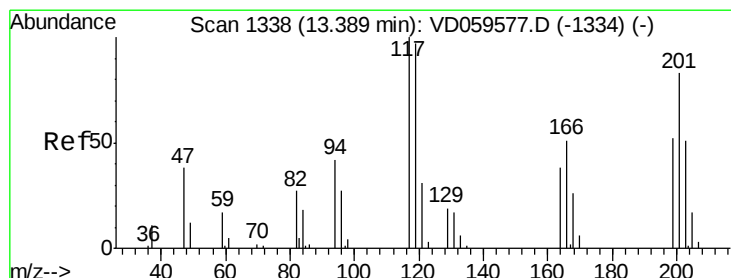
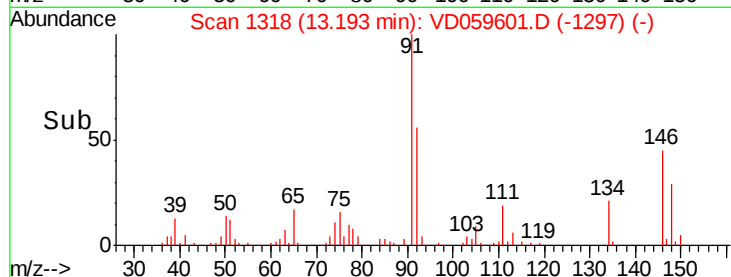
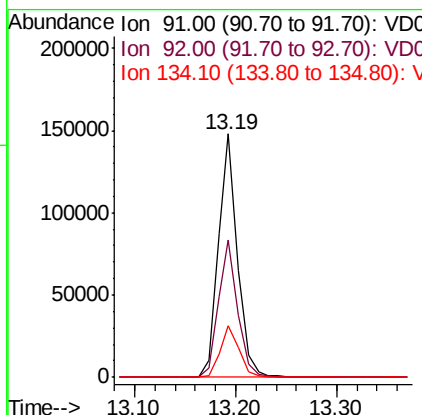
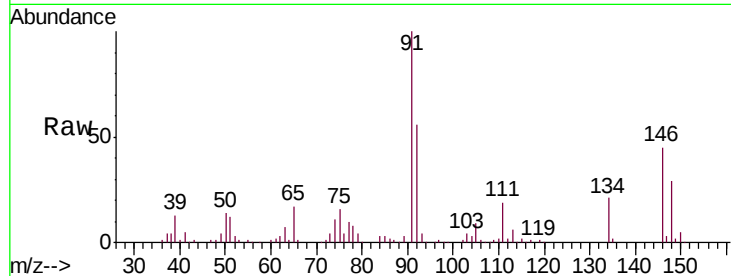




#89
n-Butylbenzene
Concen: 45.75 ug/l
RT: 13.19 min Scan# 1318
Delta R.T. 0.01 min
Lab File: VD059601.D
Acq: 25 Jul 2018 21:25

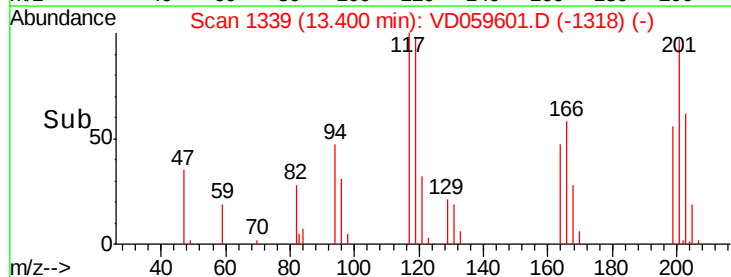
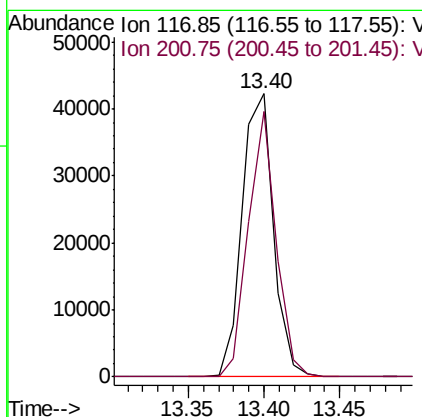
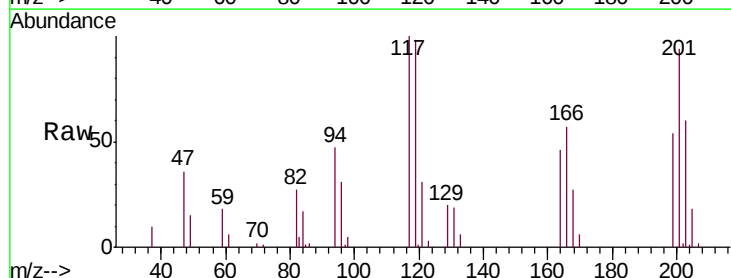
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

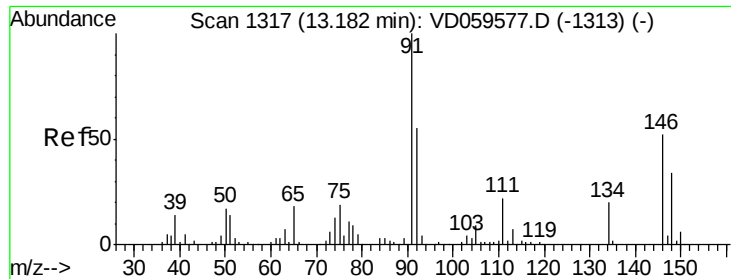
Tot Ion: 91 Resp: 195503
Ion Ratio Lower Upper
91 100
92 56.2 27.6 82.7
134 21.1 10.1 30.3



#90
Hexachloroethane
Concen: 51.35 ug/l
RT: 13.40 min Scan# 1339
Delta R.T. 0.01 min
Lab File: VD059601.D
Acq: 25 Jul 2018 21:25

Tgt Ion: 117 Resp: 60722
Ion Ratio Lower Upper
117 100
201 93.9 41.5 124.5

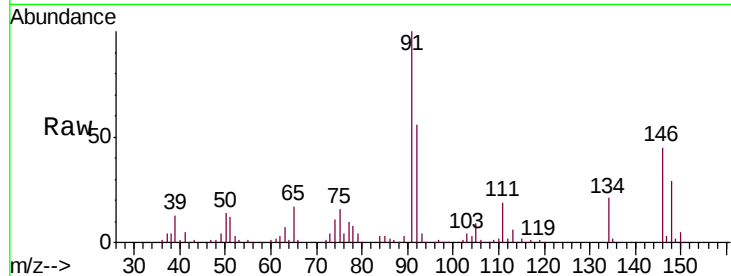




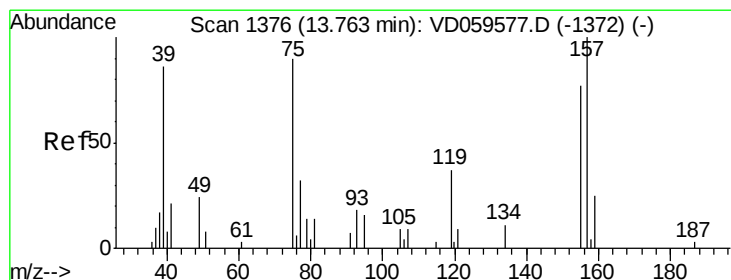
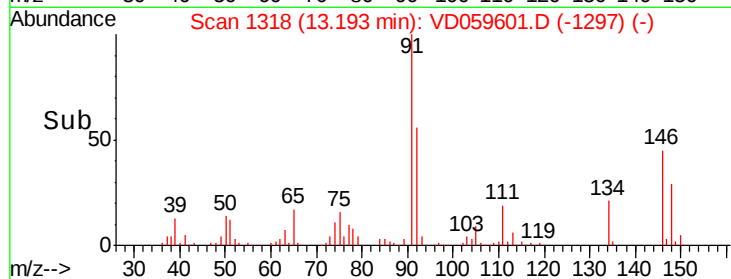
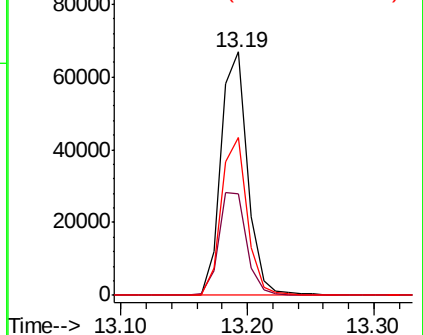
#91
 1,2-Dichlorobenzene
 Concen: 45.44 ug/l
 RT: 13.19 min Scan# 1318
 Delta R.T. 0.01 min
 Lab File: VD059601.D
 Acq: 25 Jul 2018 21:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:146 Resp: 97584
 Ion Ratio Lower Upper
 146 100
 111 41.6 21.4 64.3
 148 64.6 32.6 98.0

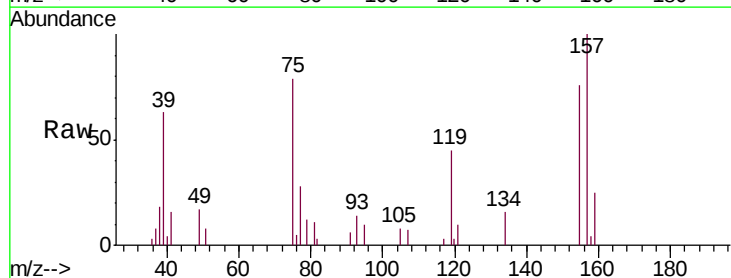


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

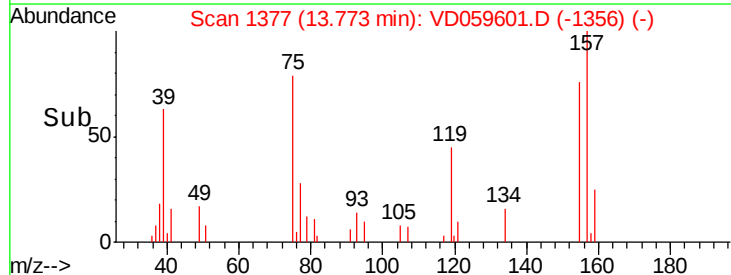
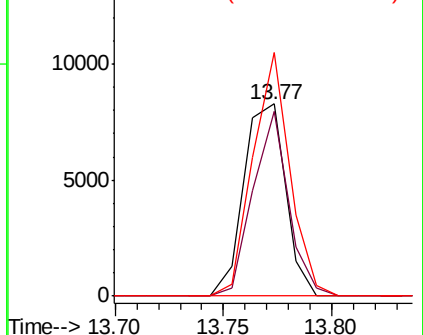


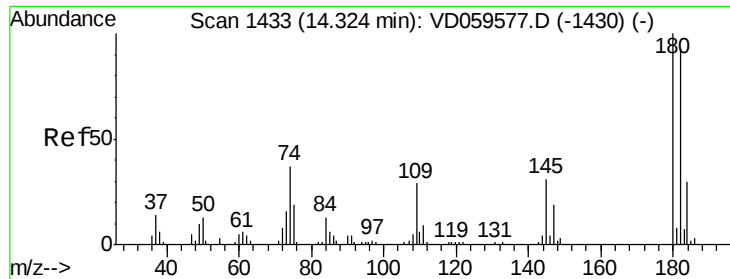
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.07 ug/l
 RT: 13.77 min Scan# 1377
 Delta R.T. 0.01 min
 Lab File: VD059601.D
 Acq: 25 Jul 2018 21:25

Tgt Ion: 75 Resp: 11081
 Ion Ratio Lower Upper
 75 100
 155 96.3 42.5 127.5
 157 126.6 55.5 166.3



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

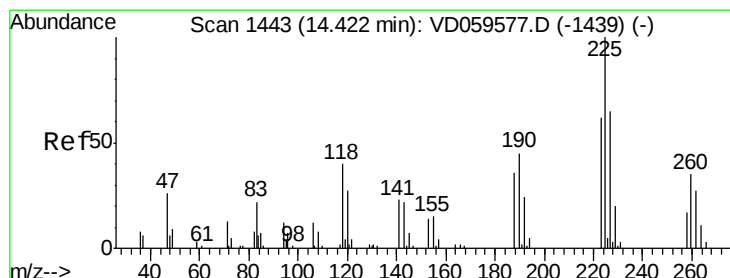
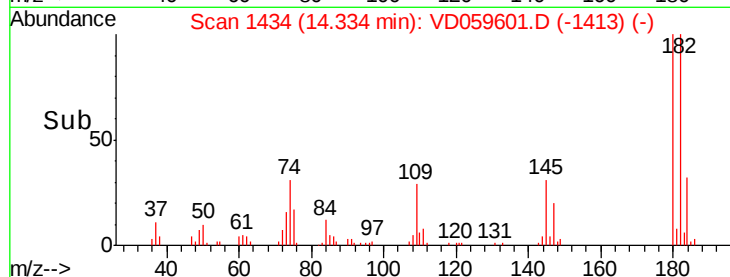
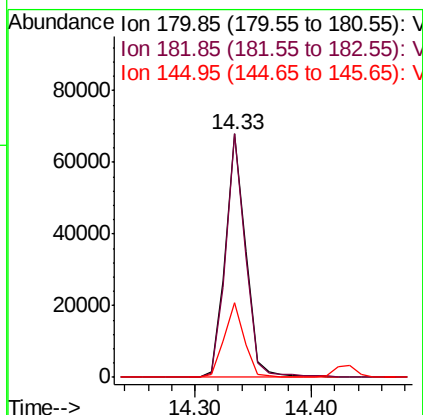
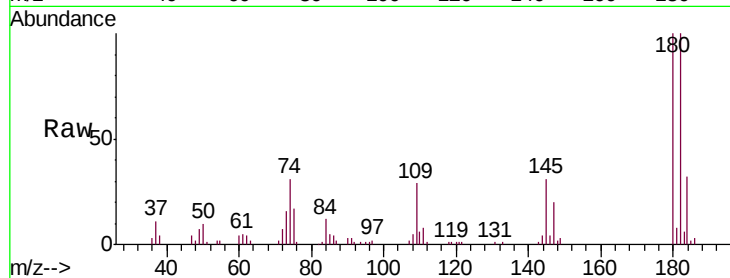




#93
 1,2,4-Trichlorobenzene
 Concen: 46.32 ug/l
 RT: 14.33 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VD059601.D
 Acq: 25 Jul 2018 21:25

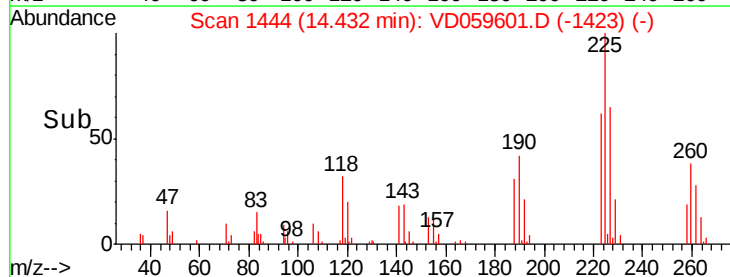
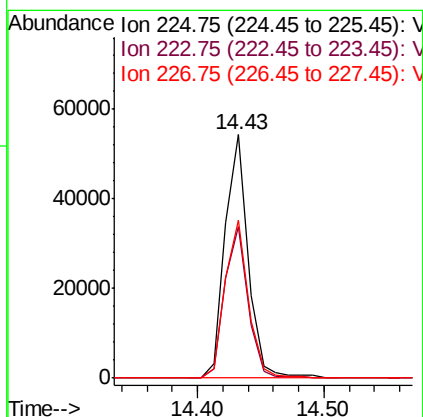
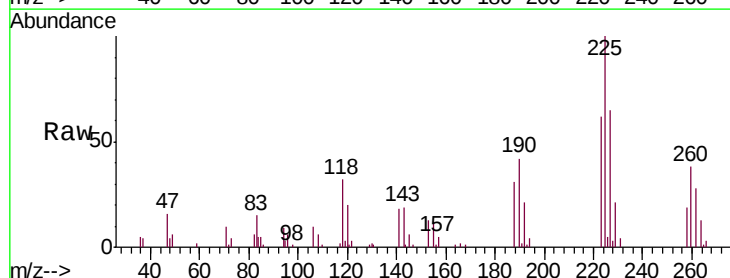
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

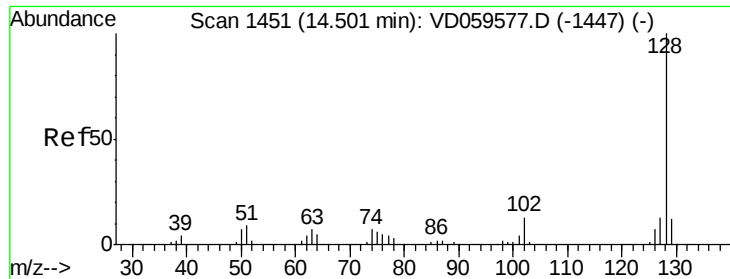
Tot Ion:180 Resp: 82389
 Ion Ratio Lower Upper
 180 100
 182 99.9 46.4 139.2
 145 30.5 15.7 47.0



#94
 Hexachlorobutadiene
 Concen: 48.96 ug/l
 RT: 14.43 min Scan# 1444
 Delta R.T. 0.01 min
 Lab File: VD059601.D
 Acq: 25 Jul 2018 21:25

Tgt Ion:225 Resp: 68683
 Ion Ratio Lower Upper
 225 100
 223 62.0 31.1 93.5
 227 64.7 32.4 97.2

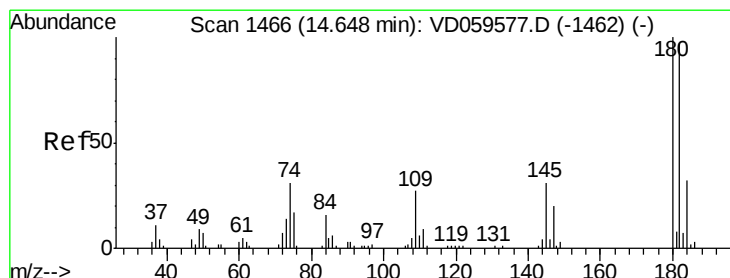
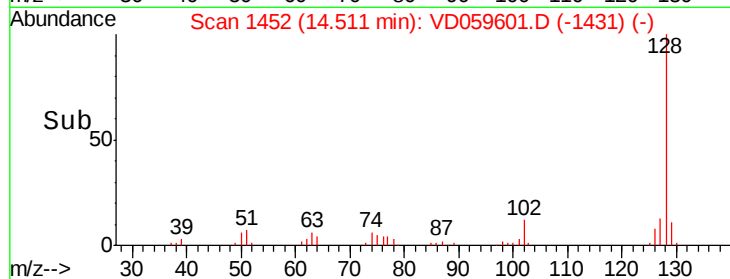
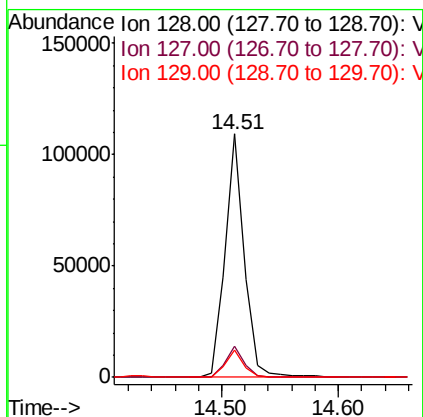
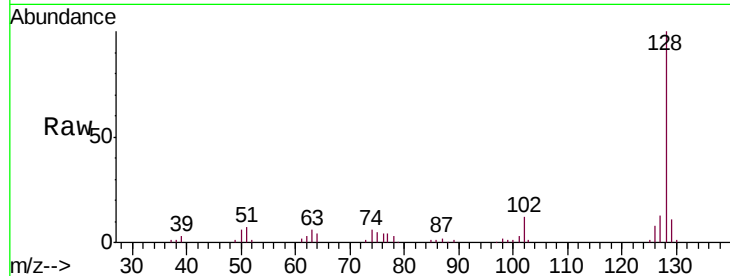




#95
Naphthalene
Concen: 49.04 ug/l
RT: 14.51 min Scan# 1452
Delta R.T. 0.01 min
Lab File: VD059601.D
Acq: 25 Jul 2018 21:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 124054
Ion Ratio Lower Upper
128 100
127 12.8 10.5 15.7
129 11.4 9.3 13.9



#96
1,2,3-Trichlorobenzene
Concen: 47.17 ug/l
RT: 14.66 min Scan# 1467
Delta R.T. 0.01 min
Lab File: VD059601.D
Acq: 25 Jul 2018 21:25

Tgt Ion:180 Resp: 75913
Ion Ratio Lower Upper
180 100
182 94.4 48.6 145.9
145 28.3 15.6 46.7

