

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040519\
 Data File : VD061618.D
 Acq On : 5 Apr 2019 13:58
 Operator : VA/AP
 Sample : VD0405SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0405SBS01

Quant Time: Apr 05 14:23:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	636782	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.20	114	933408	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.36	117	828153	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.50	152	363427	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	283850	52.18	ug/l	0.00
Spiked Amount			Recovery	=	104.36%	
35) Dibromofluoromethane	6.91	113	419762	58.85	ug/l	0.01
Spiked Amount			Recovery	=	117.70%	
50) Toluene-d8	10.39	98	988978	57.81	ug/l	0.00
Spiked Amount			Recovery	=	115.62%	
62) 4-Bromofluorobenzene	13.54	95	364691	55.59	ug/l	0.00
Spiked Amount			Recovery	=	111.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	124806	18.352	ug/l	99
3) Chloromethane	1.76	50	112847	20.347	ug/l	97
4) Vinyl Chloride	1.85	62	108818	21.369	ug/l	97
5) Bromomethane	2.15	94	17928	17.754	ug/l #	98
6) Chloroethane	2.26	64	26578	17.797	ug/l	93
7) Trichlorofluoromethane	2.52	101	154482	20.862	ug/l	98
8) Diethyl Ether	2.87	74	44253	18.561	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.15	101	153745	19.312	ug/l	97
10) Methyl Iodide	3.30	142	185385	17.722	ug/l	98
11) Tert butyl alcohol	4.05	59	33785	99.730	ug/l	98
12) 1,1-Dichloroethene	3.12	96	126378	18.490	ug/l	95
13) Acrolein	3.04	56	18357	53.072	ug/l	95
14) Allyl chloride	3.62	41	188982	19.823	ug/l	95
15) Acrylonitrile	4.19	53	112479	95.663	ug/l	98
16) Acetone	3.21	43	129659	92.723	ug/l	93
17) Carbon Disulfide	3.37	76	380498	17.134	ug/l	98
18) Methyl Acetate	3.64	43	62762	21.347	ug/l	98
19) Methyl tert-butyl Ether	4.23	73	230542	19.486	ug/l	94
20) Methylene Chloride	3.81	84	154997	18.580	ug/l	96
21) trans-1,2-Dichloroethene	4.21	96	141938	19.235	ug/l	98
22) Diisopropyl ether	5.10	45	380917	18.882	ug/l	99
23) Vinyl Acetate	5.04	43	1019260	93.013	ug/l	100
24) 1,1-Dichloroethane	4.97	63	240080	20.250	ug/l	99
25) 2-Butanone	6.06	43	168841	95.987	ug/l	97
26) 2,2-Dichloropropane	6.01	77	188913	20.044	ug/l	99
27) cis-1,2-Dichloroethene	6.03	96	158231	19.571	ug/l	99
28) Bromochloromethane	6.42	49	102681	21.455	ug/l #	95
29) Tetrahydrofuran	6.44	42	85644	100.453	ug/l	97
30) Chloroform	6.65	83	249531	20.369	ug/l	99
31) Cyclohexane	6.94	56	181383	19.360	ug/l	96
32) 1,1,1-Trichloroethane	6.86	97	204405	18.913	ug/l	98
36) 1,1-Dichloropropene	7.13	75	188860	23.183	ug/l	99
37) Ethyl Acetate	6.17	43	73897	21.210	ug/l #	94
38) Carbon Tetrachloride	7.09	117	221225	23.632	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	194778	22.957	ug/l	95
40) Benzene	7.44	78	466806	22.832	ug/l	95
41) Methacrylonitrile	6.43	41	94563	23.213	ug/l #	95
42) 1,2-Dichloroethane	7.56	62	153015	25.020	ug/l	98
43) Isopropyl Acetate	9.23	43	119149	23.504	ug/l	98
44) Trichloroethene	8.52	130	175503	23.066	ug/l	100
45) 1,2-Dichloropropane	8.92	63	118057	22.772	ug/l	99
46) Dibromomethane	9.05	93	82407	23.616	ug/l	97
47) Bromodichloromethane	9.36	83	188081	24.014	ug/l	97
48) Methyl methacrylate	9.10	41	60300	21.554	ug/l	99
49) 1,4-Dioxane	9.07	88	13290	430.681	ug/l	92
51) 4-Methyl-2-Pentanone	10.29	43	358869	116.361	ug/l	99
52) Toluene	10.49	92	285793	22.912	ug/l	98
53) t-1,3-Dichloropropene	10.90	75	175350	24.642	ug/l	98
54) cis-1,3-Dichloropropene	10.03	75	199681	23.046	ug/l	96
55) 1,1,2-Trichloroethane	11.18	97	97079	22.255	ug/l	98
56) Ethyl methacrylate	11.03	69	108209	23.091	ug/l	97
57) 1,3-Dichloropropane	11.39	76	144002	22.459	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.85	63	284489	124.659	ug/l	97
59) 2-Hexanone	11.52	43	250414	112.066	ug/l	99
60) Dibromochloromethane	11.67	129	161935	24.080	ug/l	97
61) 1,2-Dibromoethane	11.79	107	116582	23.080	ug/l	95
64) Tetrachloroethene	11.24	164	137924	21.221	ug/l	95
65) Chlorobenzene	12.39	112	356808	21.082	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.51	131	140803	21.487	ug/l	98
67) Ethyl Benzene	12.52	91	565603	21.894	ug/l	97
68) m/p-Xylenes	12.65	106	438053	44.764	ug/l	96
69) o-Xylene	13.04	106	210527	22.169	ug/l	97
70) Styrene	13.06	104	340603	20.575	ug/l	96
71) Bromoform	13.22	173	81634	19.652	ug/l	97
73) Isopropylbenzene	13.39	105	569976	22.534	ug/l	99
74) N-amyl acetate	13.25	43	149000	21.146	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.69	83	110121	20.638	ug/l	97
76) 1,2,3-Trichloropropane	13.72	75	112817	21.490	ug/l	99
77) Bromobenzene	13.66	156	154488	20.602	ug/l	92
78) n-propylbenzene	13.77	91	683836	22.092	ug/l	98
79) 2-Chlorotoluene	13.82	91	321291	19.116	ug/l	94
80) 1,3,5-Trimethylbenzene	13.92	105	413747	21.082	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.46	75	32986	20.608	ug/l	94
82) 4-Chlorotoluene	13.93	91	418197	22.883	ug/l	92
83) tert-Butylbenzene	14.18	119	509210	20.762	ug/l	98
84) 1,2,4-Trimethylbenzene	14.23	105	468351	22.043	ug/l	100
85) sec-Butylbenzene	14.36	105	543459	20.858	ug/l	100
86) p-Isopropyltoluene	14.48	119	519881	23.596	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	270721	21.320	ug/l	97
88) 1,4-Dichlorobenzene	14.52	146	283616	22.903	ug/l	94
89) n-Butylbenzene	14.79	91	447540	22.131	ug/l	98
90) Hexachloroethane	15.00	117	138449	22.243	ug/l	78
91) 1,2-Dichlorobenzene	14.80	146	237906	22.841	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.37	75	11316	18.082	ug/l	77

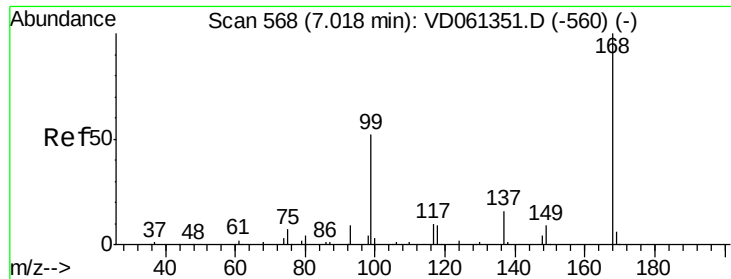
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD040519\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 28 09:22:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.93	180	94698	19.959	ug/l	97
94) Hexachlorobutadiene	16.03	225	81698	22.035	ug/l	99
95) Naphthalene	16.12	128	141524	19.569	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	44092	21.118	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 570

Delta R.T. 0.01 min

Lab File: VD061618.D

Acq: 5 Apr 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

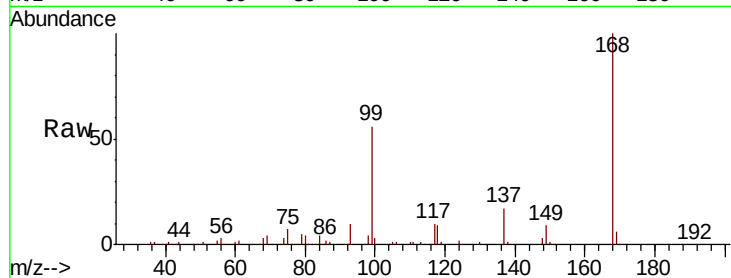
VD0405SBS01

Tot Ion:168 Resp: 636782

Ion Ratio Lower Upper

168 100

99 56.3 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.03

250000

200000

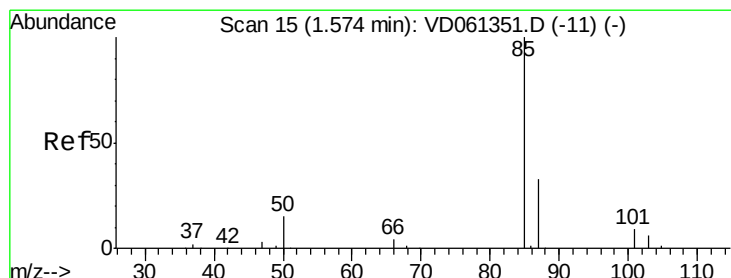
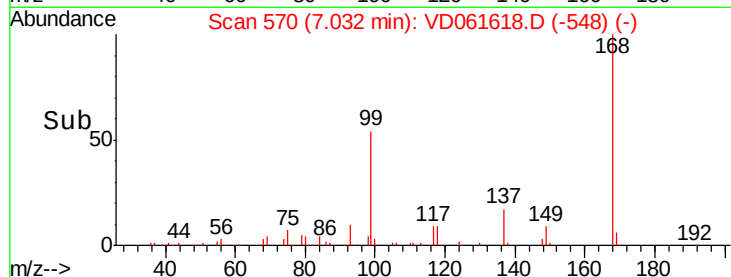
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.352 ug/l

RT: 1.59 min Scan# 17

Delta R.T. 0.01 min

Lab File: VD061618.D

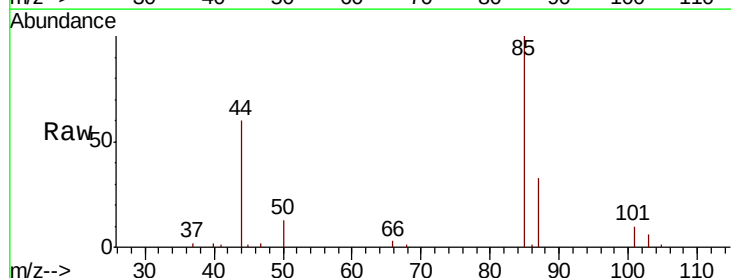
Acq: 5 Apr 2019 13:58

Tgt Ion: 85 Resp: 124806

Ion Ratio Lower Upper

85 100

87 32.7 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.59

50000

40000

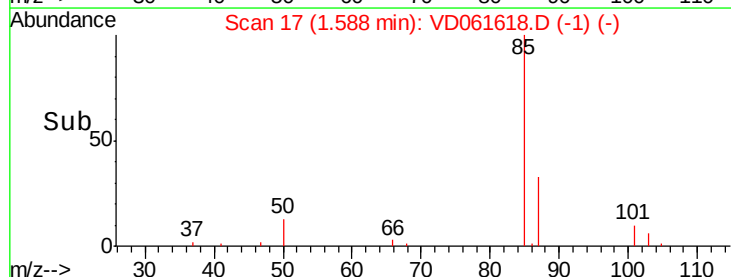
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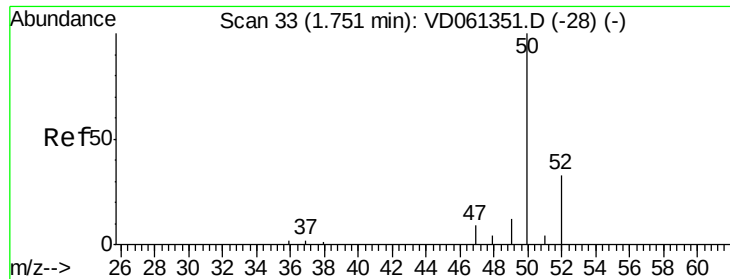
20000

10000

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Time-->





#3

Chloromethane

Concen: 20.347 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.00 min

Lab File: VD061618.D

Acq: 5 Apr 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

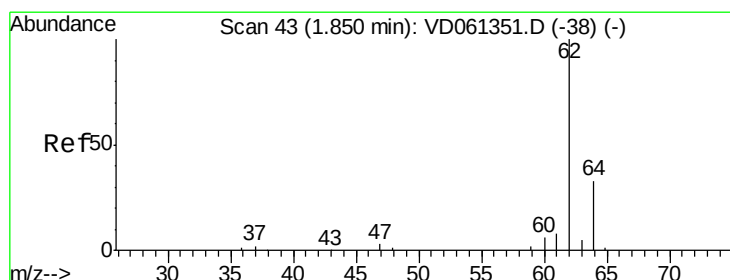
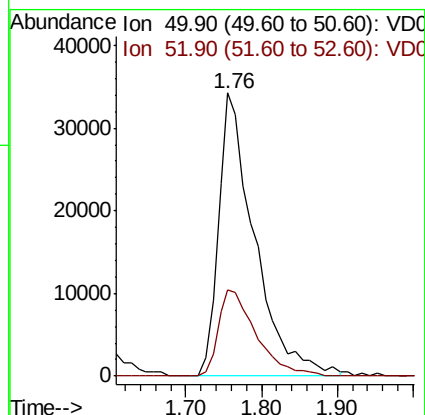
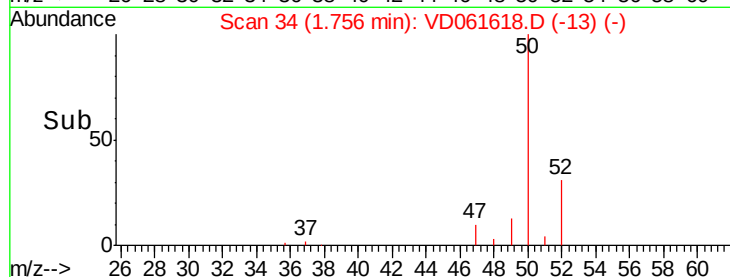
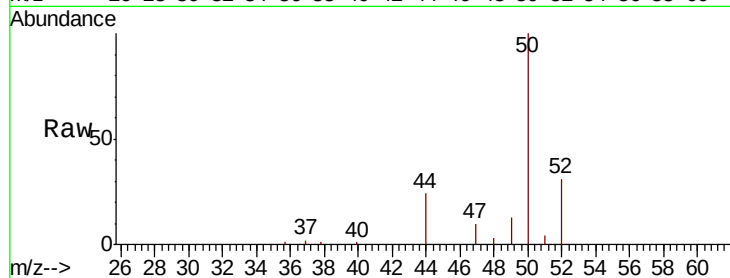
VD0405SBS01

Tot Ion: 50 Resp: 112847

Ion Ratio Lower Upper

50 100

52 30.7 26.1 39.1



#4

Vinyl Chloride

Concen: 21.369 ug/l

RT: 1.85 min Scan# 44

Delta R.T. 0.00 min

Lab File: VD061618.D

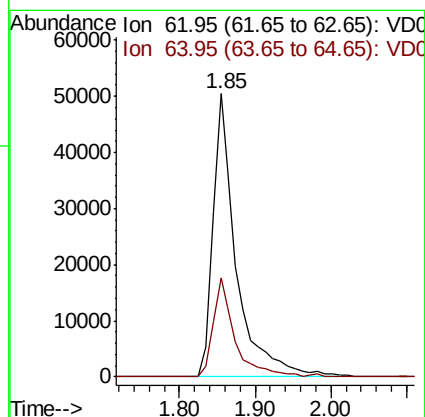
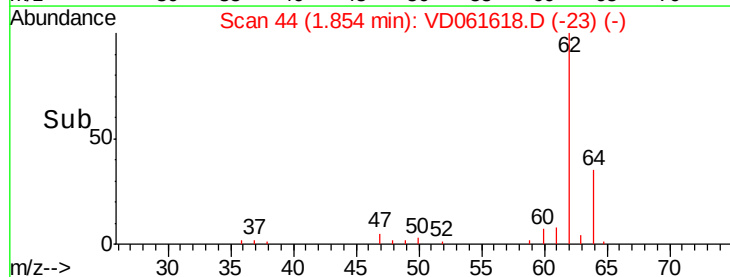
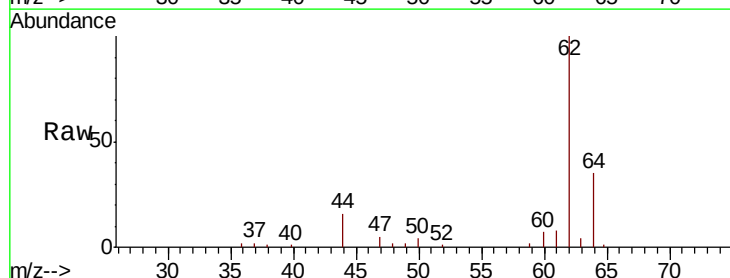
Acq: 5 Apr 2019 13:58

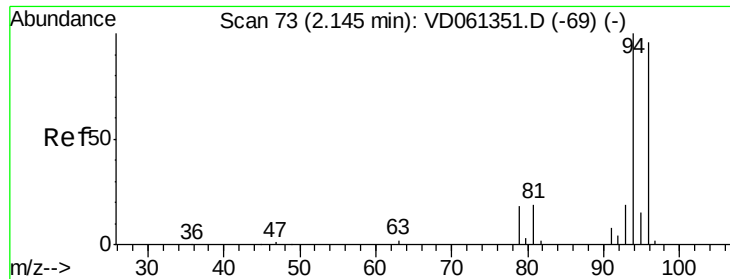
Tgt Ion: 62 Resp: 108818

Ion Ratio Lower Upper

62 100

64 34.9 26.6 39.8





#5

Bromomethane

Concen: 17.754 ug/l

RT: 2.15 min Scan# 74

Delta R.T. 0.00 min

Lab File: VD061618.D

Acq: 5 Apr 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

VD0405SBS01

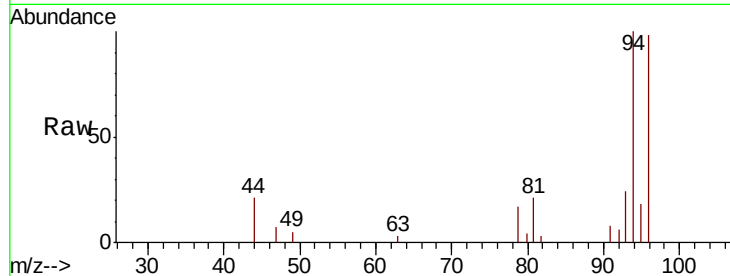
Tot Ion: 94 Resp: 17928

Ion Ratio Lower Upper

94 100

96 98.4 78.3 117.5

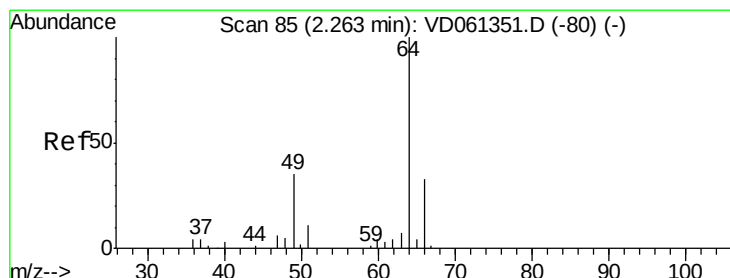
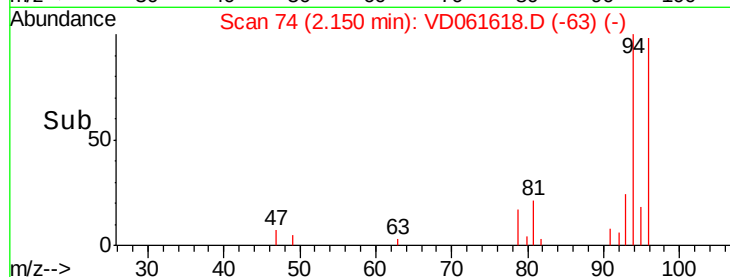
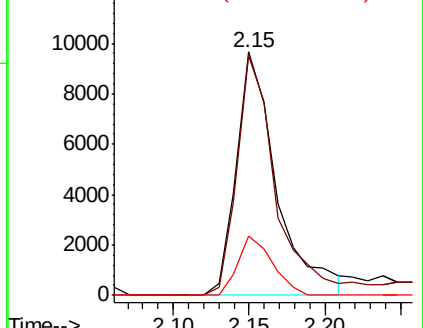
93 24.4 15.6 23.4#



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 17.797 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VD061618.D

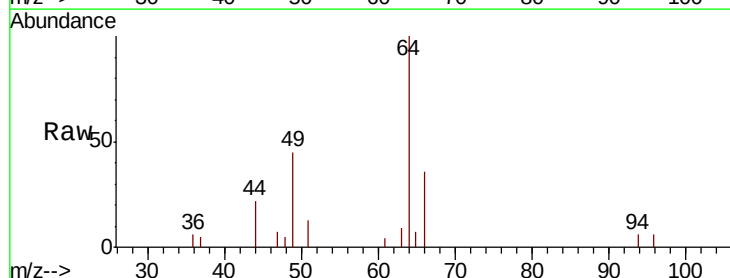
Acq: 5 Apr 2019 13:58

Tgt Ion: 64 Resp: 26578

Ion Ratio Lower Upper

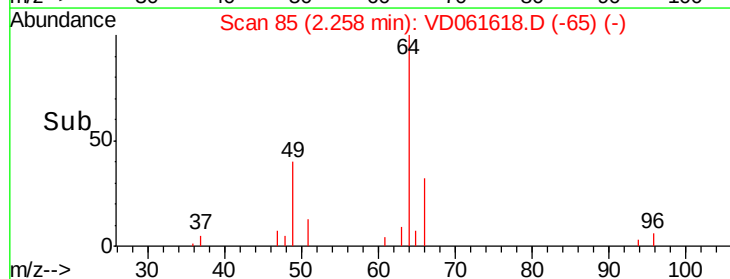
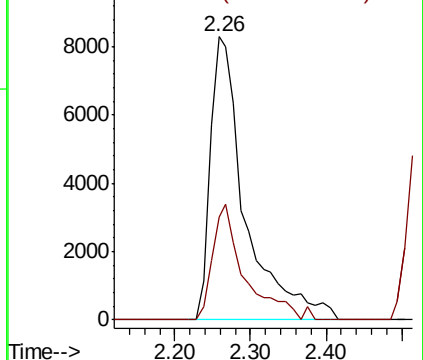
64 100

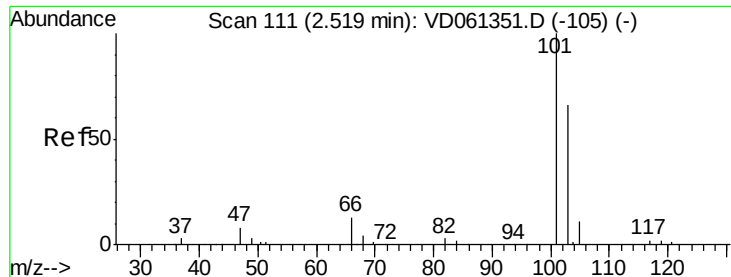
66 36.4 26.2 39.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



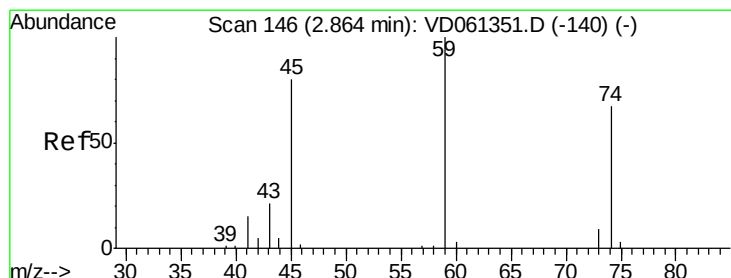
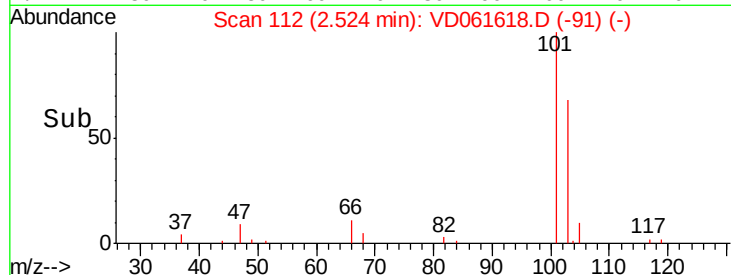
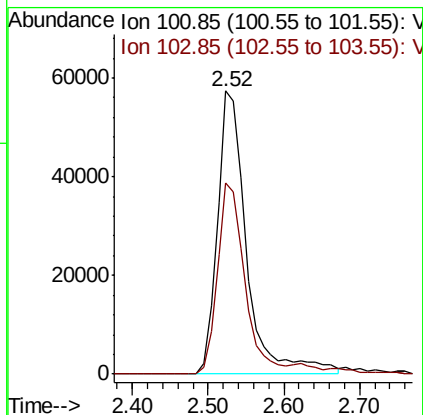
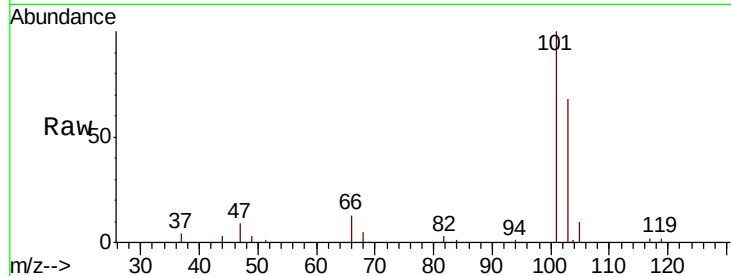


#7

Trichlorofluoromethane
 Concen: 20.862 ug/l
 RT: 2.52 min Scan# 112
 Delta R.T. 0.00 min
 Lab File: VD061618.D
 Acq: 5 Apr 2019 13:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0405SBSD01

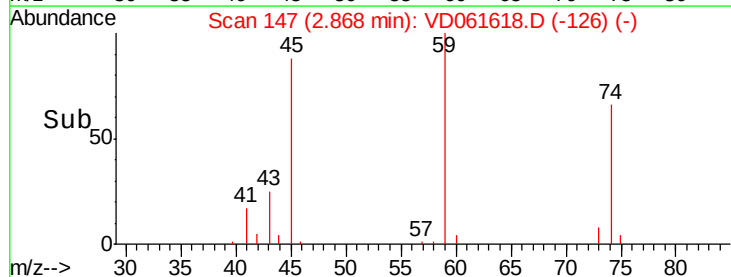
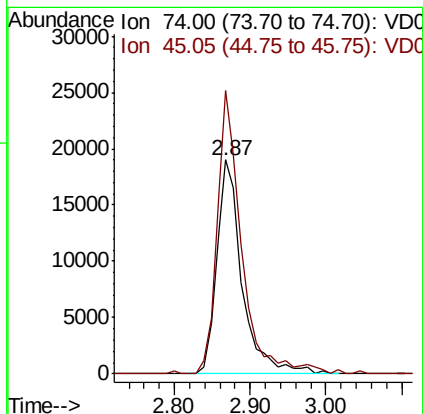
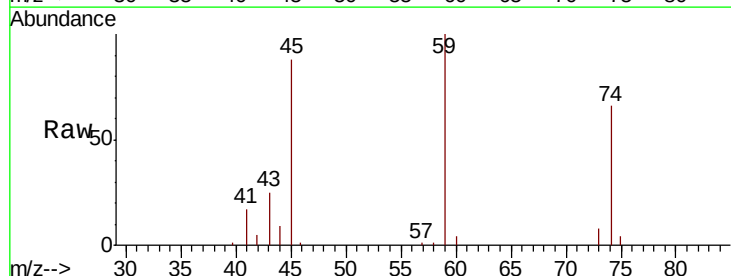
Tot Ion:101 Resp: 154482
 Ion Ratio Lower Upper
 101 100
 103 67.7 53.1 79.7

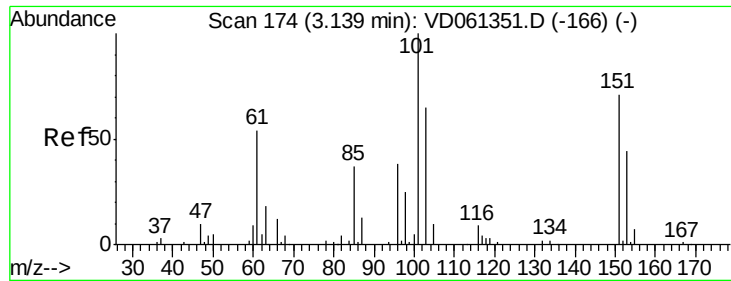


#8

Diethyl Ether
 Concen: 18.561 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. 0.00 min
 Lab File: VD061618.D
 Acq: 5 Apr 2019 13:58

Tgt Ion: 74 Resp: 44253
 Ion Ratio Lower Upper
 74 100
 45 132.3 59.7 179.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.312 ug/l

RT: 3.15 min Scan# 176

Delta R.T. 0.01 min

Lab File: VD061618.D

Acq: 5 Apr 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

VD0405SBS01

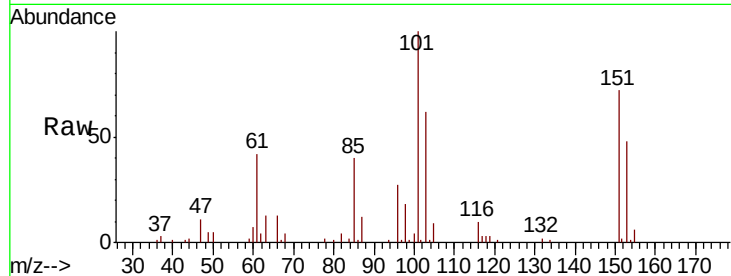
Tot Ion:101 Resp: 153745

Ion Ratio Lower Upper

101 100

85 39.7 29.4 44.0

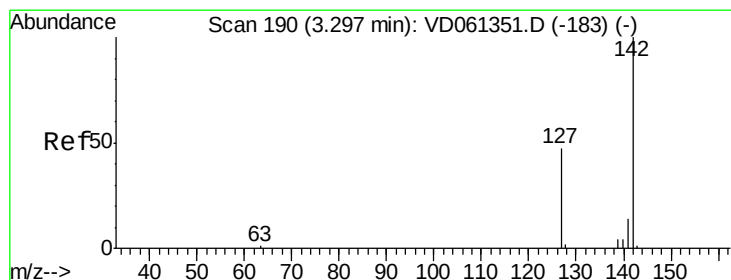
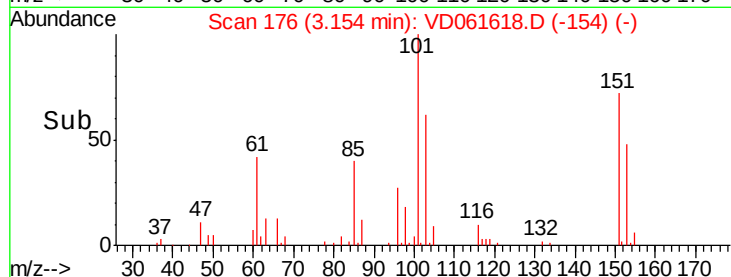
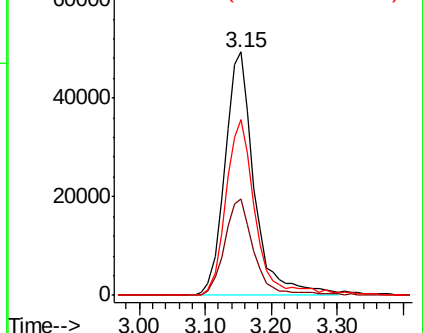
151 72.4 57.0 85.4



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: 17.722 ug/l

RT: 3.30 min Scan# 191

Delta R.T. 0.00 min

Lab File: VD061618.D

Acq: 5 Apr 2019 13:58

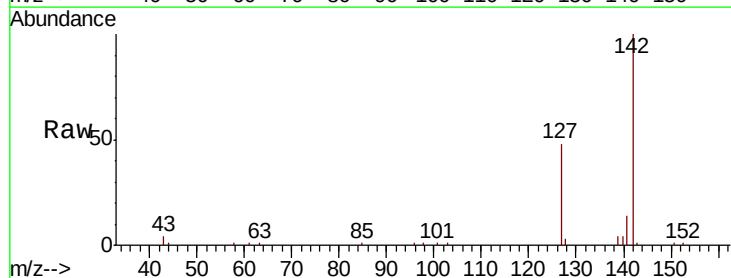
Tgt Ion:142 Resp: 185385

Ion Ratio Lower Upper

142 100

127 48.2 37.7 56.5

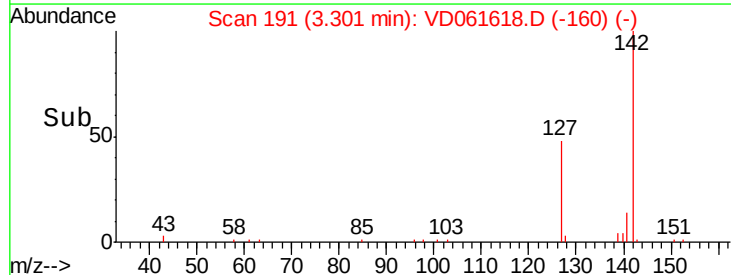
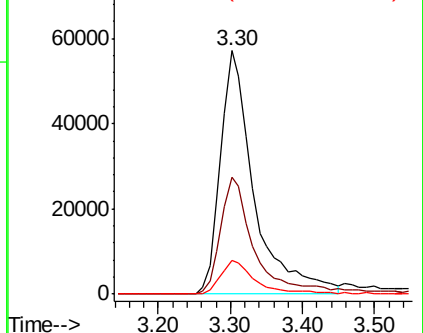
141 13.9 11.5 17.3

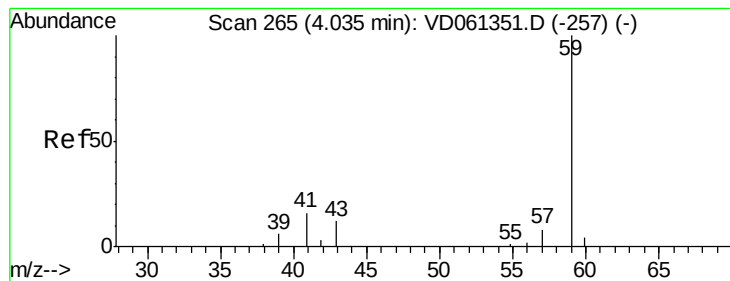


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



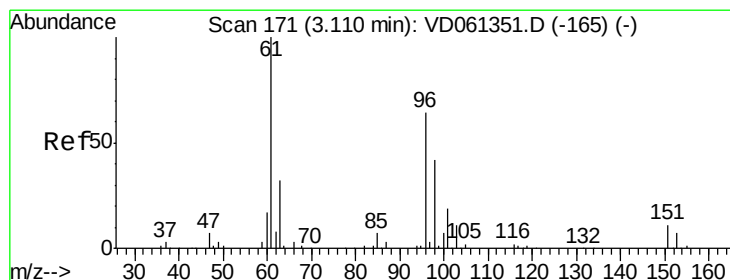
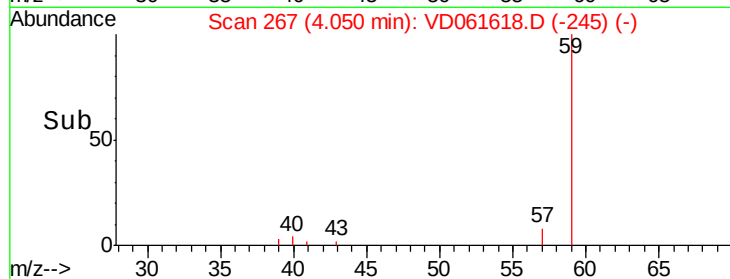
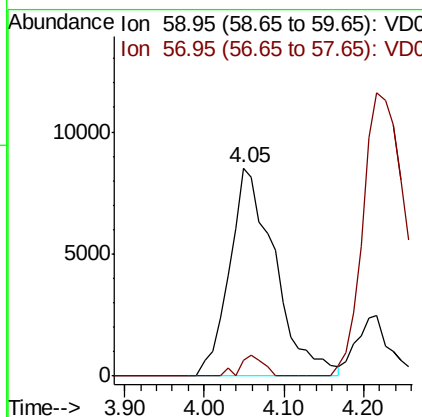
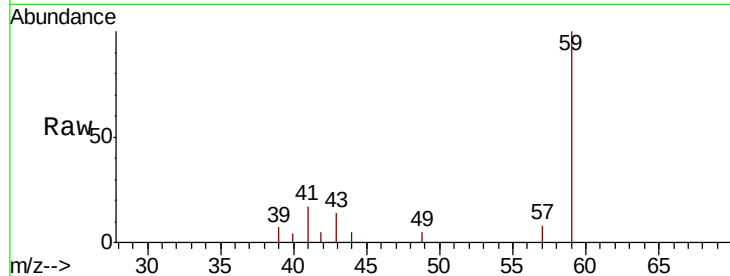


#11

Tert butyl alcohol
 Concen: 99.730 ug/l
 RT: 4.05 min Scan# 267
 Delta R.T. 0.01 min
 Lab File: VD061618.D
 Acq: 5 Apr 2019 13:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0405SBSD01

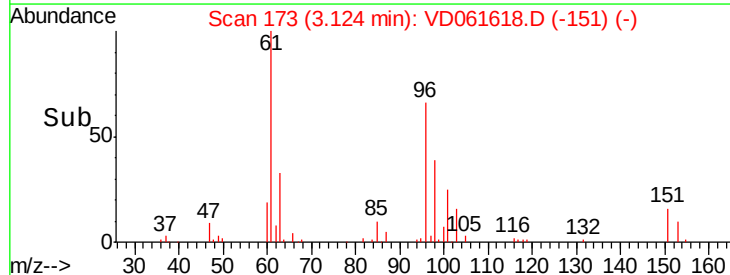
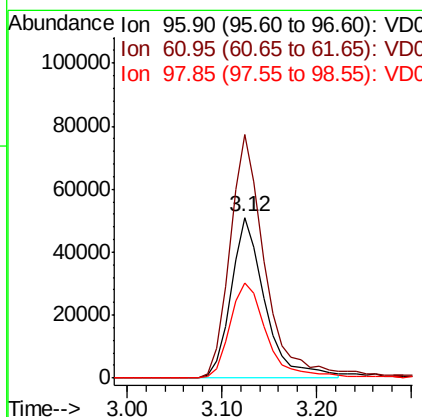
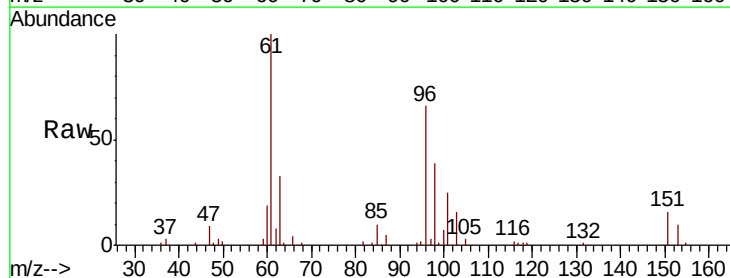
Tot Ion: 59 Resp: 33785
 Ion Ratio Lower Upper
 59 100
 57 7.6 6.7 10.1

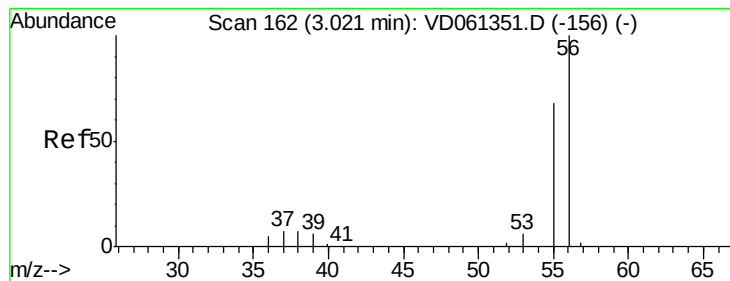


#12

1,1-Dichloroethene
 Concen: 18.490 ug/l
 RT: 3.12 min Scan# 173
 Delta R.T. 0.01 min
 Lab File: VD061618.D
 Acq: 5 Apr 2019 13:58

Tgt Ion: 96 Resp: 126378
 Ion Ratio Lower Upper
 96 100
 61 151.3 124.9 187.3
 98 58.8 52.5 78.7





#13

Acrolein

Concen: 53.072 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.01 min

Lab File: VD061618.D

Acq: 5 Apr 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

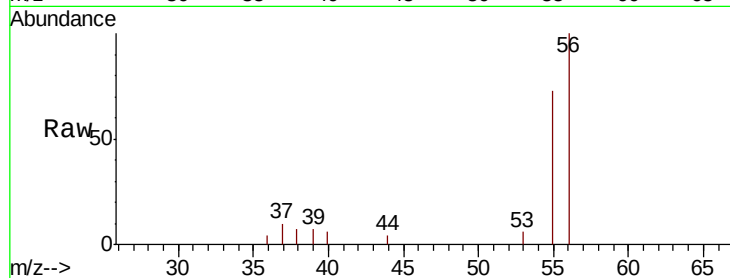
VD0405SBS01

Tot Ion: 56 Resp: 18357

Ion Ratio Lower Upper

56 100

55 72.7 54.6 82.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.04

8000

6000

4000

2000

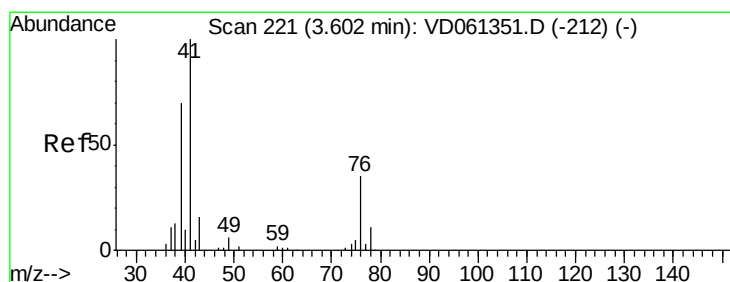
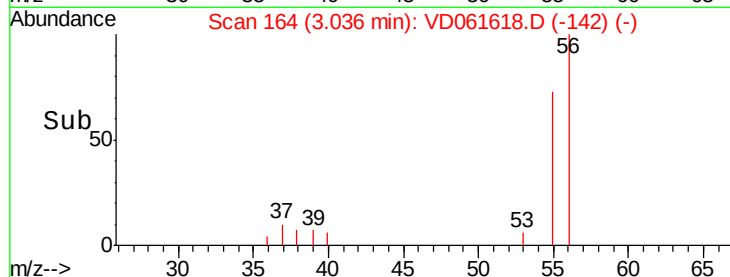
0

Time-->

3.00

3.10

3.20



#14

Allyl chloride

Concen: 19.823 ug/l

RT: 3.62 min Scan# 223

Delta R.T. 0.01 min

Lab File: VD061618.D

Acq: 5 Apr 2019 13:58

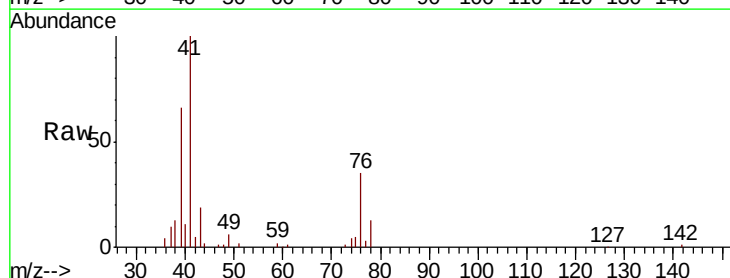
Tgt Ion: 41 Resp: 188982

Ion Ratio Lower Upper

41 100

39 66.4 55.6 83.4

76 35.3 31.0 46.6



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

3.62

80000

60000

40000

20000

0

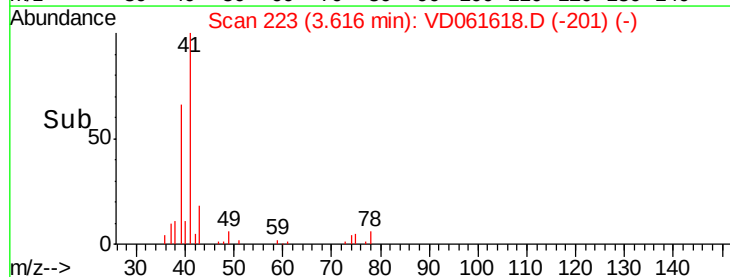
Time-->

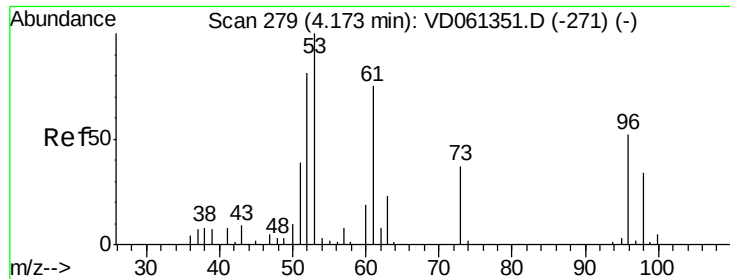
3.50

3.60

3.70

3.80

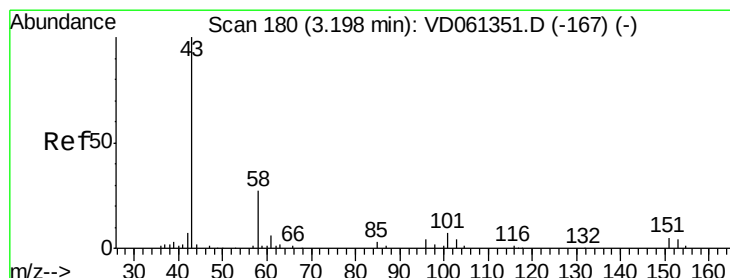
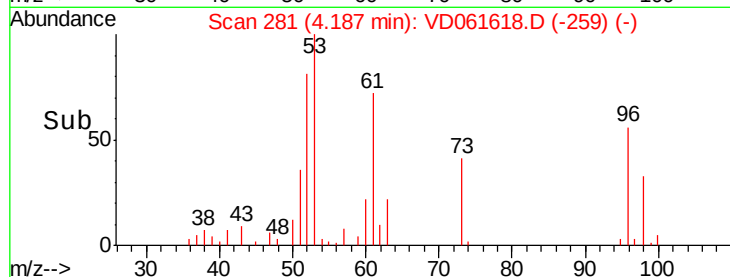
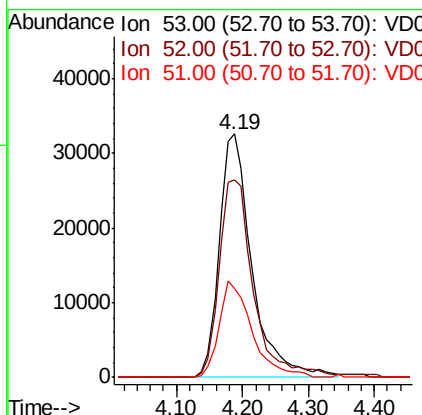
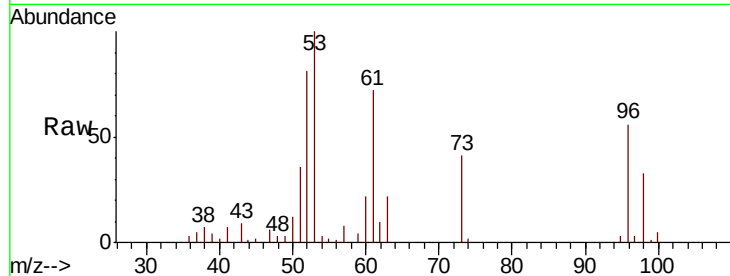




#15
Acrylonitrile
Concen: 95.663 ug/l
RT: 4.19 min Scan# 281
Delta R.T. 0.01 min
Lab File: VD061618.D
Acq: 5 Apr 2019 13:58

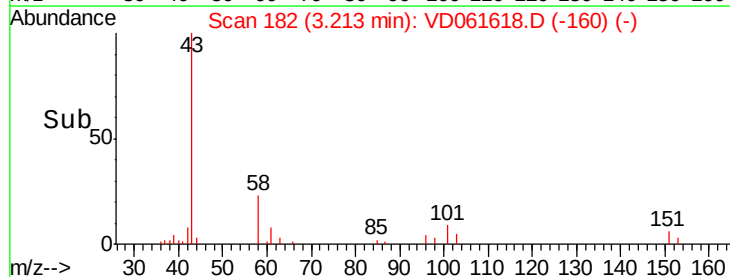
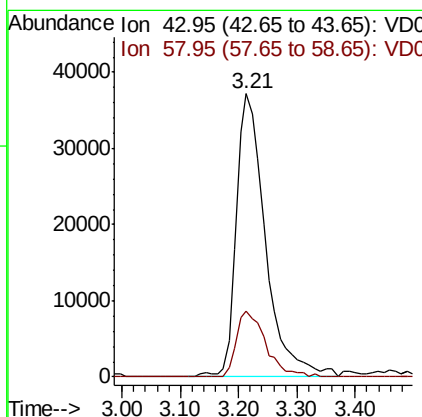
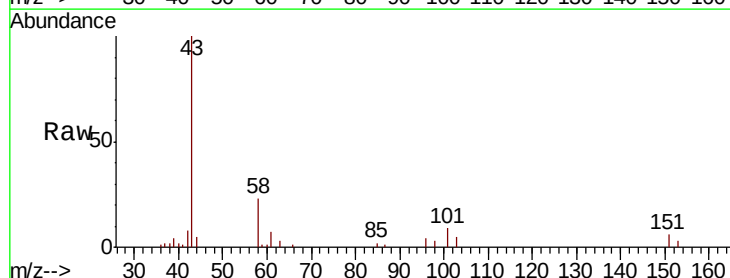
Instrument :
MSVOA_D
ClientSampleId :
VD0405SBS01

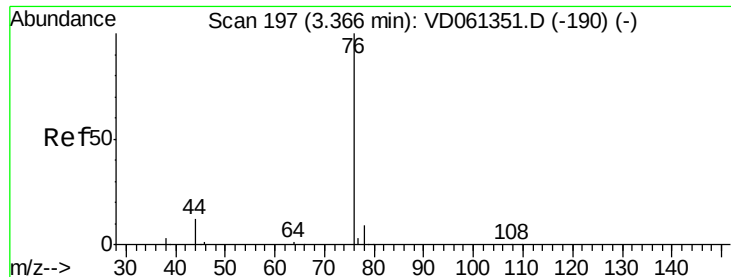
Tot Ion: 53 Resp: 112479
Ion Ratio Lower Upper
53 100
52 81.0 64.8 97.2
51 36.3 31.4 47.2



#16
Acetone
Concen: 92.723 ug/l
RT: 3.21 min Scan# 182
Delta R.T. 0.01 min
Lab File: VD061618.D
Acq: 5 Apr 2019 13:58

Tgt Ion: 43 Resp: 129659
Ion Ratio Lower Upper
43 100
58 23.2 21.5 32.3

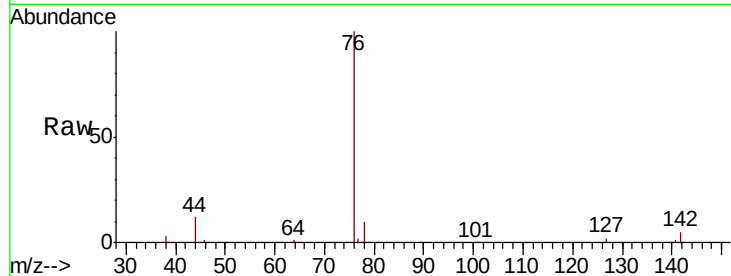




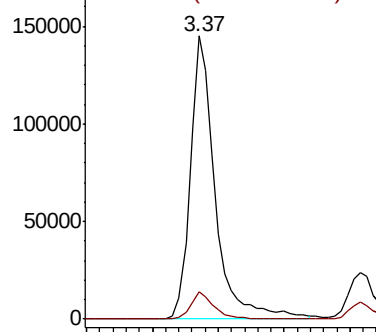
#17
Carbon Disulfide
Concen: 17.134 ug/l
RT: 3.37 min Scan# 198
Delta R.T. 0.00 min
Lab File: VD061618.D
Acq: 5 Apr 2019 13:58

Instrument :
MSVOA_D
ClientSampleId :
VD0405SBS01

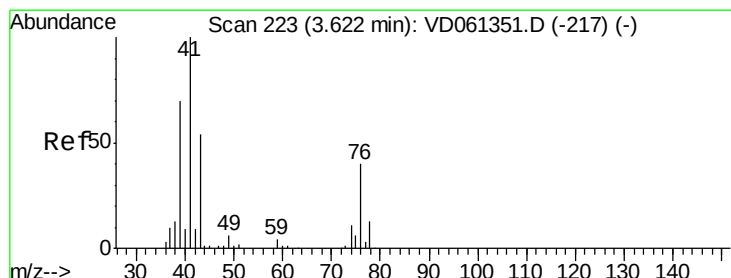
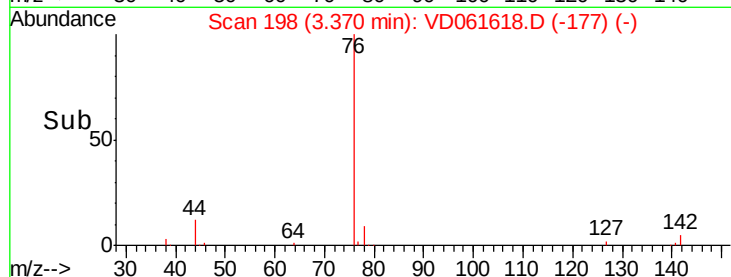
Tot Ion: 76 Resp: 380498
Ion Ratio Lower Upper
76 100
78 9.7 7.1 10.7



Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

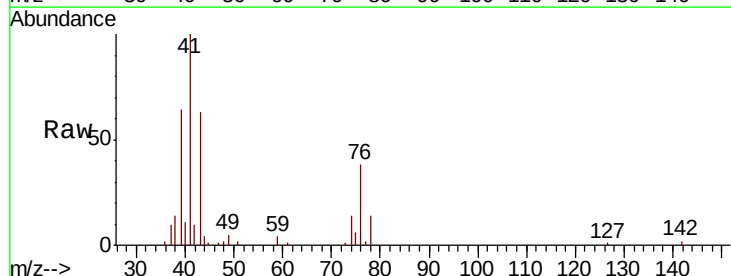


Time--> 3.20 3.30 3.40 3.50 3.60

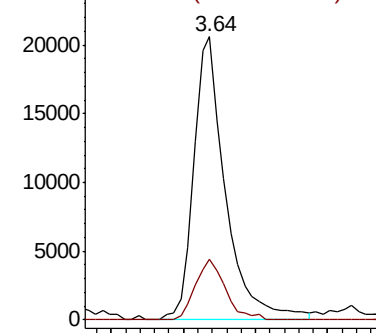


#18
Methyl Acetate
Concen: 21.347 ug/l
RT: 3.64 min Scan# 225
Delta R.T. 0.01 min
Lab File: VD061618.D
Acq: 5 Apr 2019 13:58

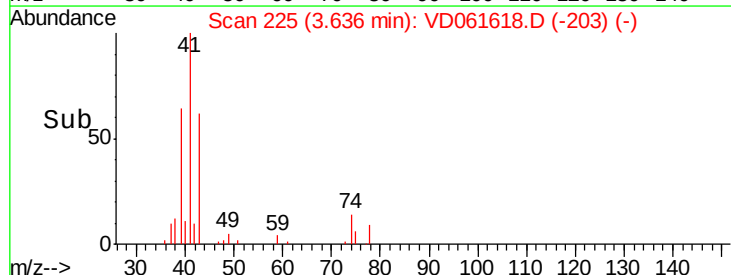
Tgt Ion: 43 Resp: 62762
Ion Ratio Lower Upper
43 100
74 21.6 16.7 25.1

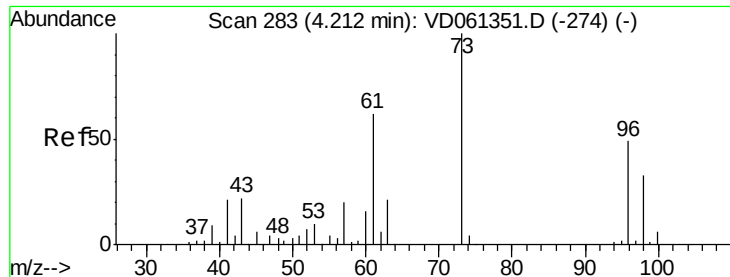


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC



Time--> 3.50 3.60 3.70 3.80

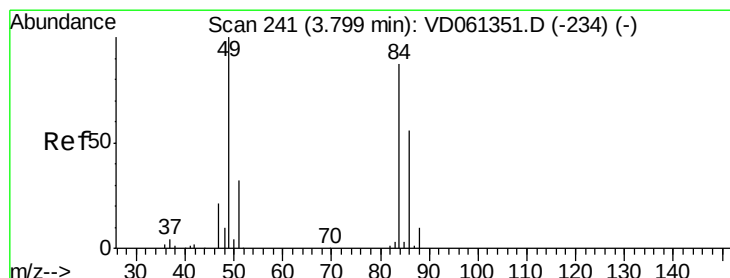
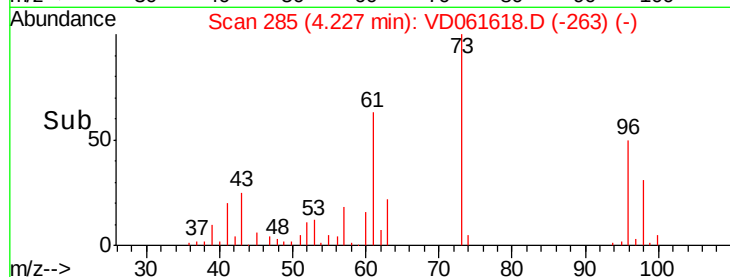
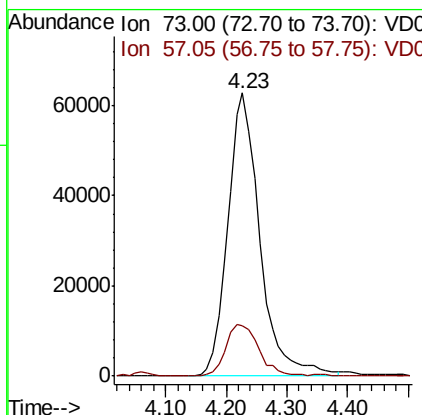
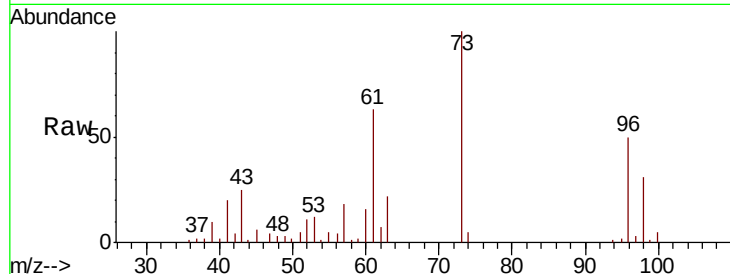




#19
Methyl tert-butyl Ether
Concen: 19.486 ug/l
RT: 4.23 min Scan# 285
Delta R.T. 0.01 min
Lab File: VD061618.D
Acq: 5 Apr 2019 13:58

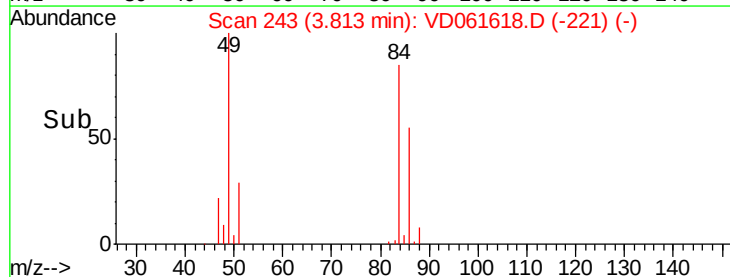
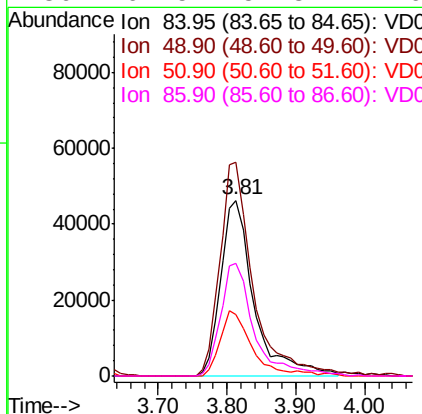
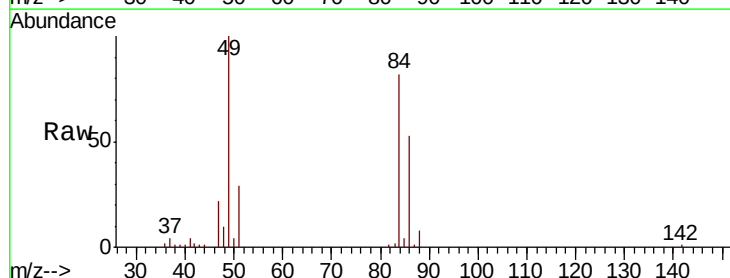
Instrument :
MSVOA_D
ClientSampleId :
VD0405SBS01

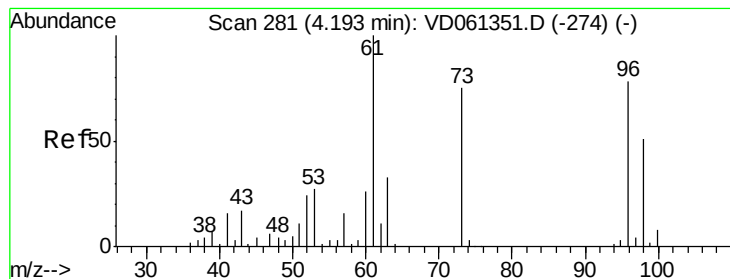
Tot Ion: 73 Resp: 230542
Ion Ratio Lower Upper
73 100
57 17.9 16.4 24.6



#20
Methylene Chloride
Concen: 18.580 ug/l
RT: 3.81 min Scan# 243
Delta R.T. 0.01 min
Lab File: VD061618.D
Acq: 5 Apr 2019 13:58

Tgt Ion: 84 Resp: 154997
Ion Ratio Lower Upper
84 100
49 121.8 91.8 137.8
51 34.9 29.8 44.8
86 64.5 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 19.235 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.01 min

Lab File: VD061618.D

Acq: 5 Apr 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

VD0405SBS01

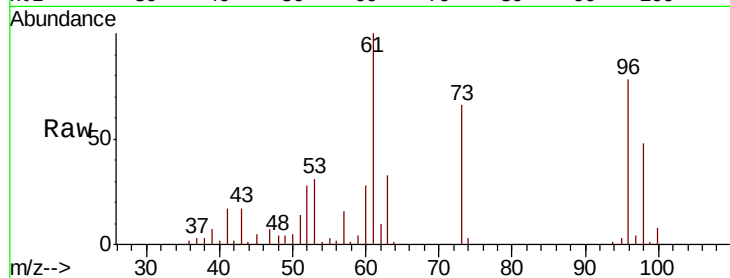
Tot Ion: 96 Resp: 141938

Ion Ratio Lower Upper

96 100

61 128.8 102.7 154.1

98 62.3 52.2 78.4

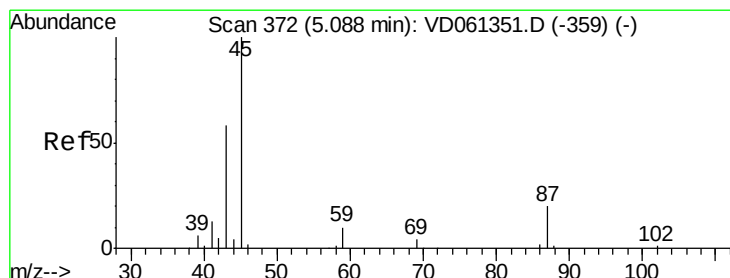
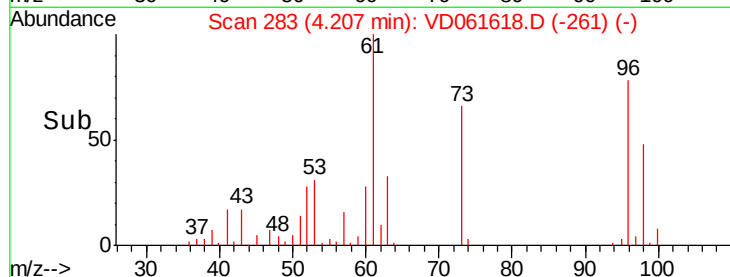
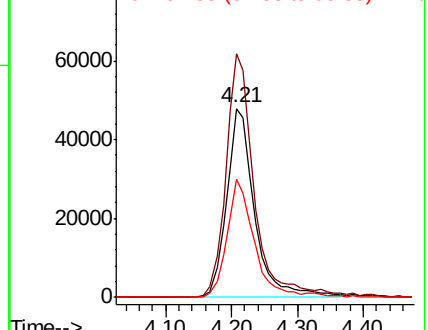


Abundance

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: 18.882 ug/l

RT: 5.10 min Scan# 374

Delta R.T. 0.01 min

Lab File: VD061618.D

Acq: 5 Apr 2019 13:58

Tgt Ion: 45 Resp: 380917

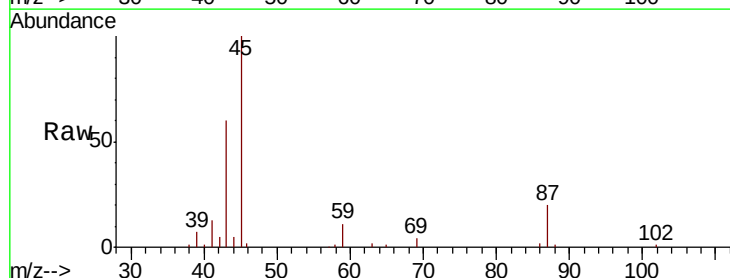
Ion Ratio Lower Upper

45 100

43 59.8 47.4 71.2

87 19.7 16.3 24.5

59 10.8 8.4 12.6



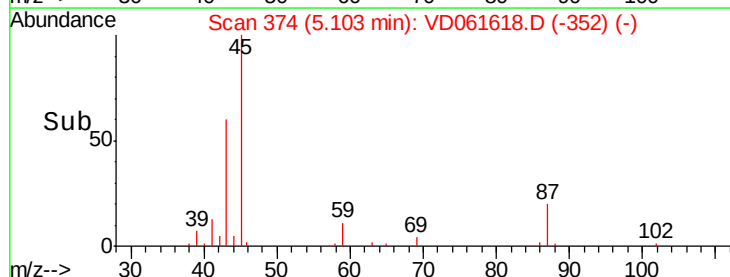
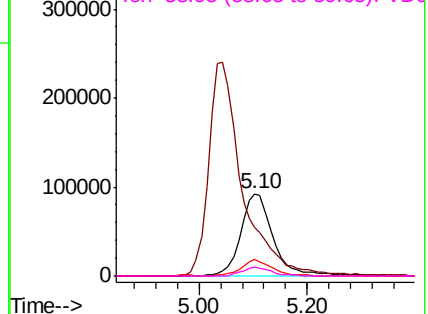
Abundance

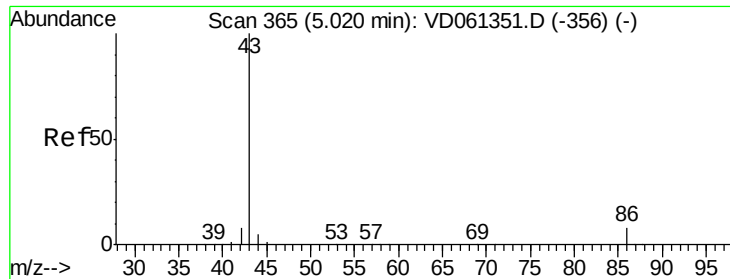
Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 93.013 ug/l

RT: 5.04 min Scan# 368

Delta R.T. 0.02 min

Lab File: VD061618.D

Acq: 5 Apr 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

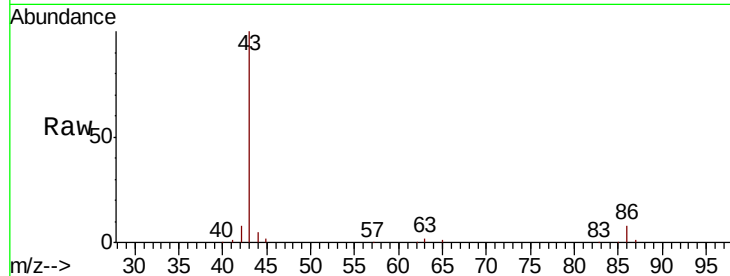
VD0405SBS01

Tot Ion: 43 Resp: 1019260

Ion Ratio Lower Upper

43 100

86 8.2 6.7 10.1



Abundance Ion 42.95 (42.65 to 43.65): VD061618.D (-365) (-)

Ion 86.00 (85.70 to 86.70): VD061618.D (-365) (-)

5.04

250000

200000

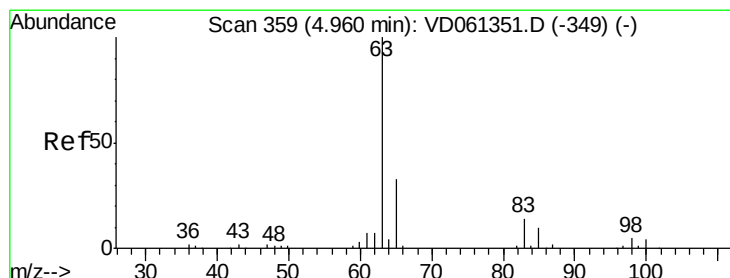
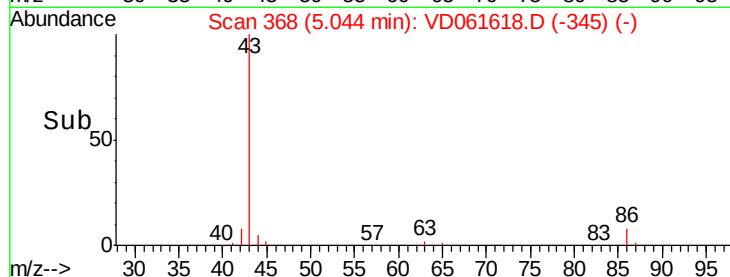
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.250 ug/l

RT: 4.97 min Scan# 361

Delta R.T. 0.01 min

Lab File: VD061618.D

Acq: 5 Apr 2019 13:58

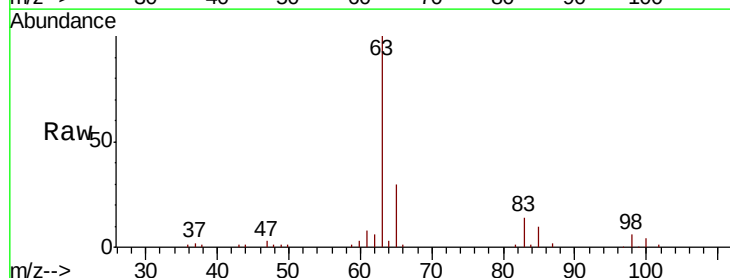
Tgt Ion: 63 Resp: 240080

Ion Ratio Lower Upper

63 100

98 6.0 2.6 8.0

100 3.5 1.8 5.3



Abundance Ion 62.95 (62.65 to 63.65): VD061618.D (-339) (-)

Ion 97.95 (97.65 to 98.65): VD061618.D (-339) (-)

Ion 99.95 (99.65 to 100.65): VD061618.D (-339) (-)

4.97

80000

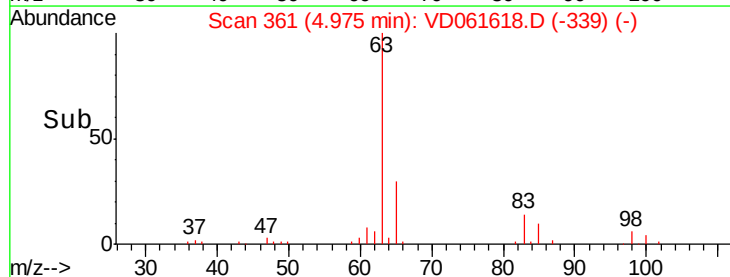
60000

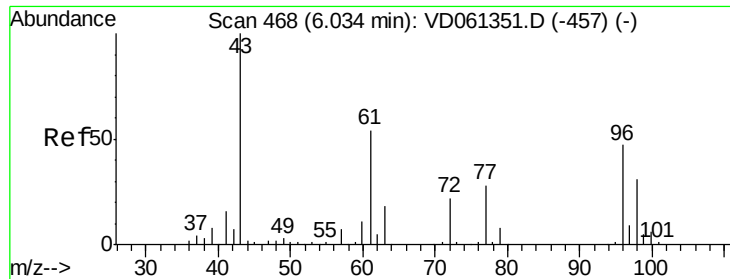
40000

20000

0

Time-->





#25

2-Butanone

Concen: 95.987 ug/l

RT: 6.06 min Scan# 471

Delta R.T. 0.02 min

Lab File: VD061618.D

Acq: 5 Apr 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

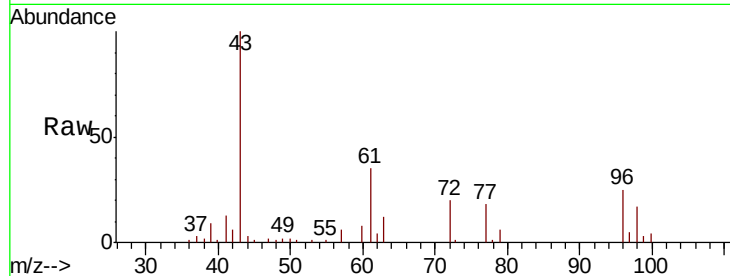
VD0405SBS01

Tot Ion: 43 Resp: 168841

Ion Ratio Lower Upper

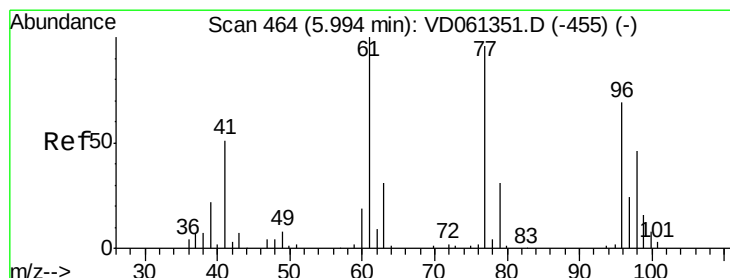
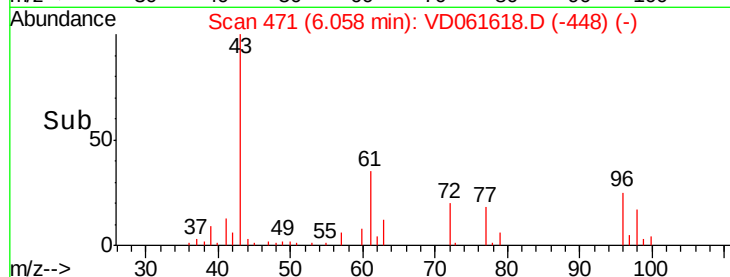
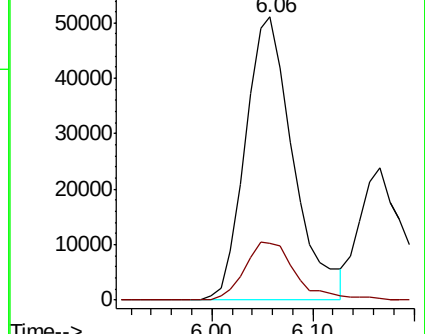
43 100

72 20.1 17.2 25.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.044 ug/l

RT: 6.01 min Scan# 466

Delta R.T. 0.01 min

Lab File: VD061618.D

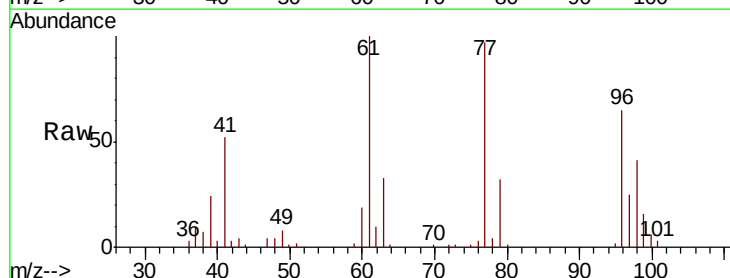
Acq: 5 Apr 2019 13:58

Tgt Ion: 77 Resp: 188913

Ion Ratio Lower Upper

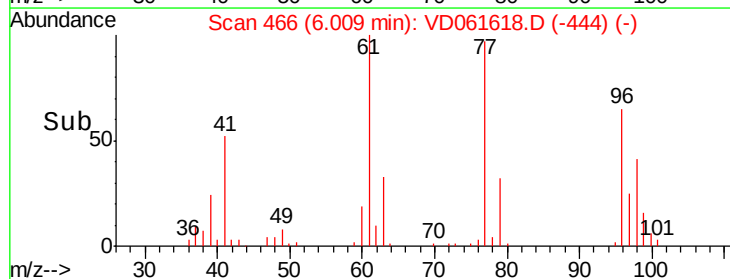
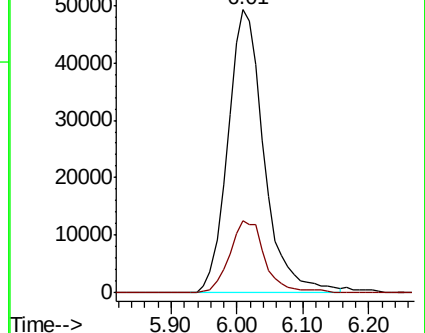
77 100

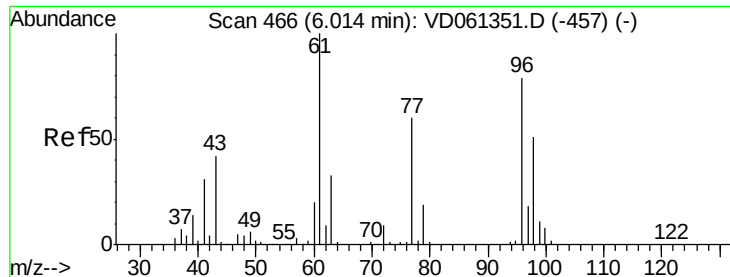
97 25.6 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



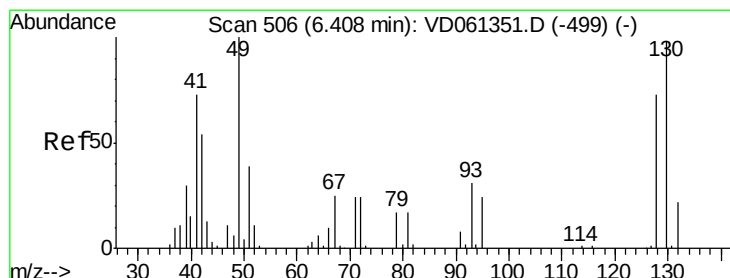
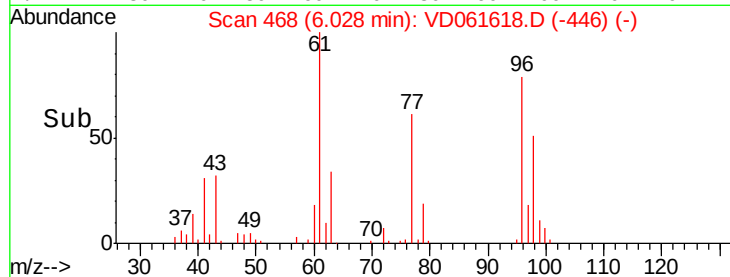
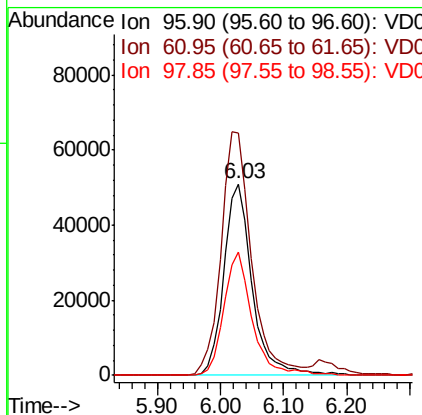
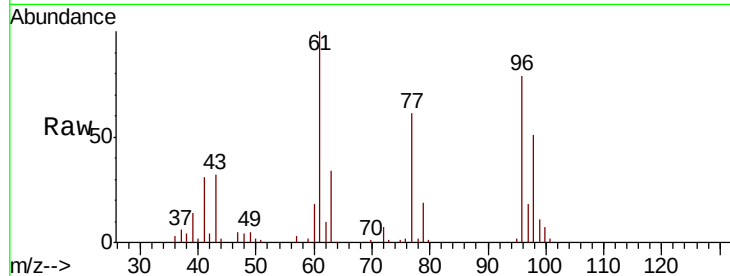


#27

cis-1,2-Dichloroethene
 Concen: 19.571 ug/l
 RT: 6.03 min Scan# 468
 Delta R.T. 0.01 min
 Lab File: VD061618.D
 Acq: 5 Apr 2019 13:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0405SBS01

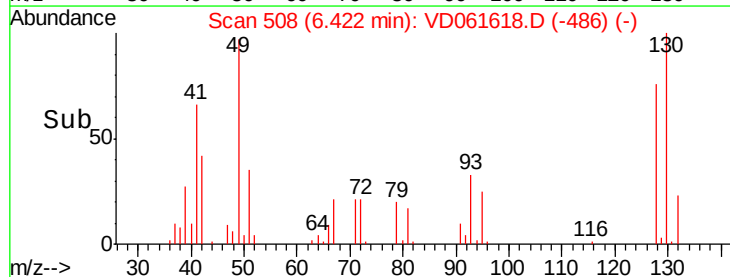
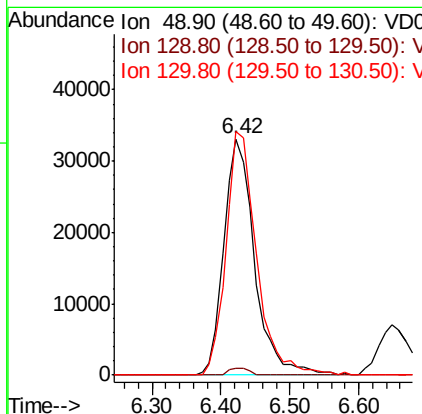
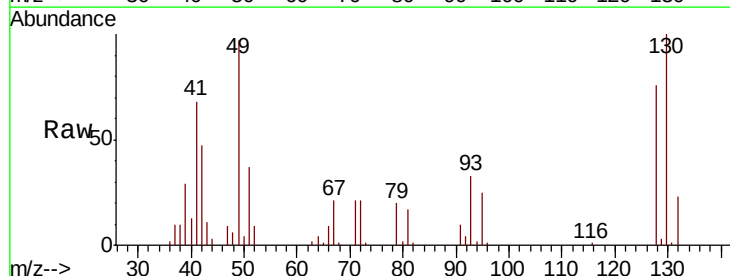
Tot Ion	Ratio	Lower	Upper
96	100		
61	127.0	0.0	251.6
98	64.4	0.0	129.2

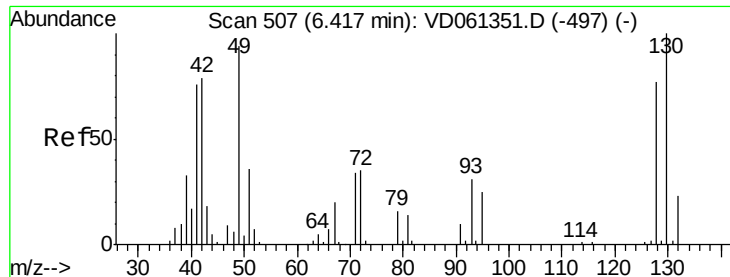


#28

Bromochloromethane
 Concen: 21.455 ug/l
 RT: 6.42 min Scan# 508
 Delta R.T. 0.01 min
 Lab File: VD061618.D
 Acq: 5 Apr 2019 13:58

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.1	0.0	0.0#
130	102.9	78.4	117.6





#29

Tetrahydrofuran

Concen: 100.453 ug/l

RT: 6.44 min Scan# 510

Delta R.T. 0.02 min

Lab File: VD061618.D

Acq: 5 Apr 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

VD0405SBS01

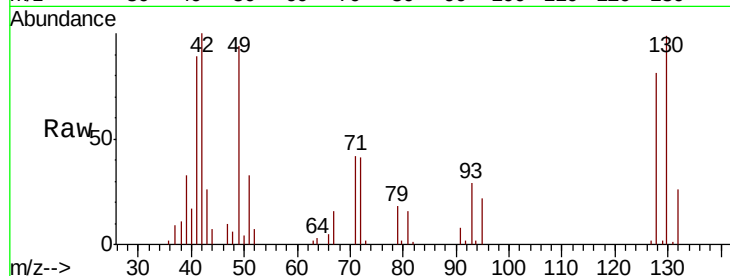
Tot Ion: 42 Resp: 85644

Ion Ratio Lower Upper

42 100

72 43.3 37.4 56.0

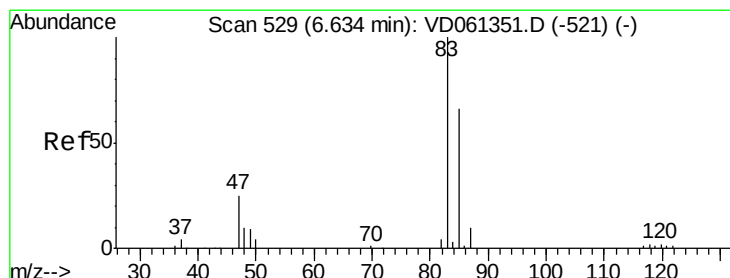
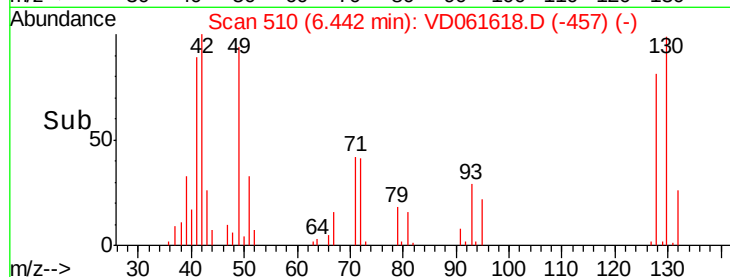
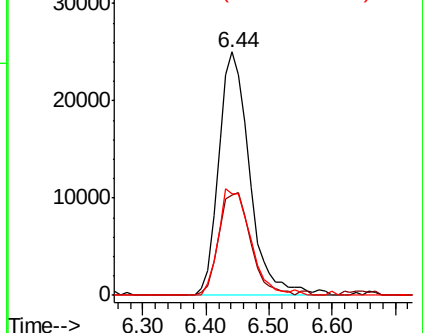
71 45.2 36.7 55.1



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 20.369 ug/l

RT: 6.65 min Scan# 531

Delta R.T. 0.01 min

Lab File: VD061618.D

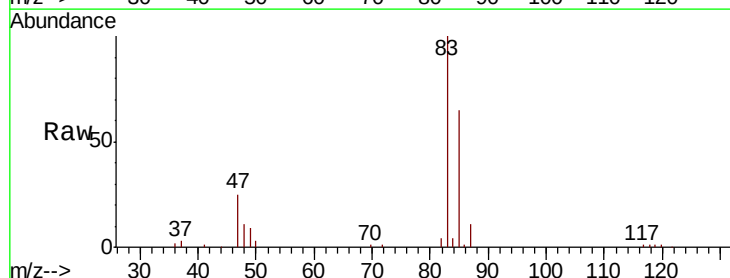
Acq: 5 Apr 2019 13:58

Tgt Ion: 83 Resp: 249531

Ion Ratio Lower Upper

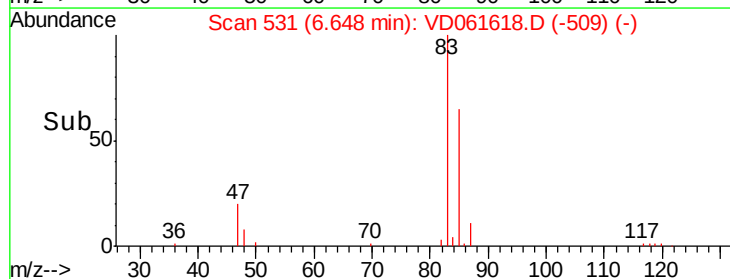
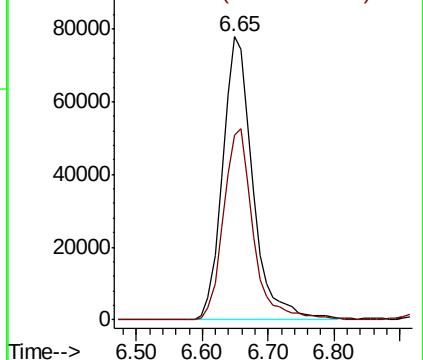
83 100

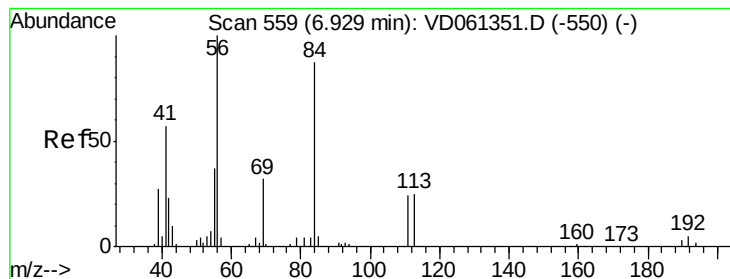
85 65.4 53.0 79.4



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 19.360 ug/l

RT: 6.94 min Scan# 561

Delta R.T. 0.01 min

Lab File: VD061618.D

Acq: 5 Apr 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

VD0405SBSD01

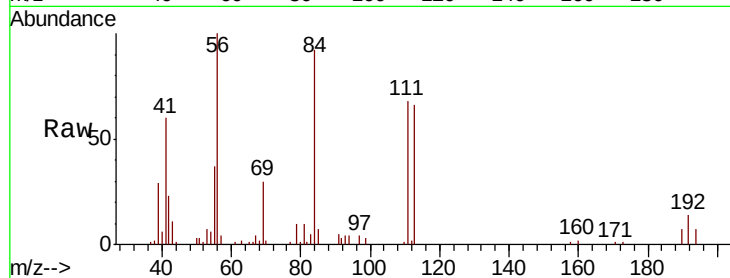
Tot Ion: 56 Resp: 181383

Ion Ratio Lower Upper

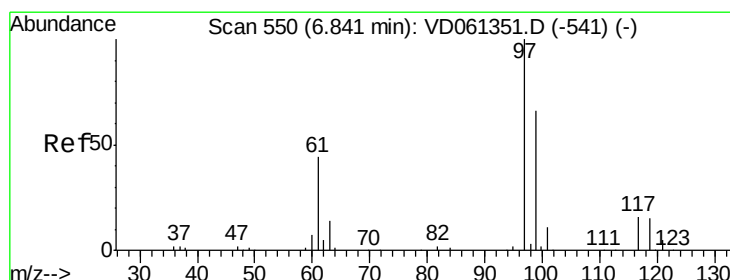
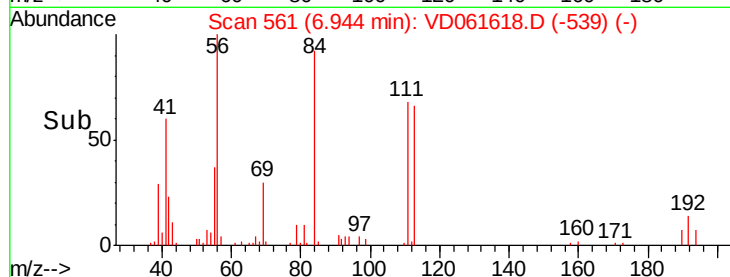
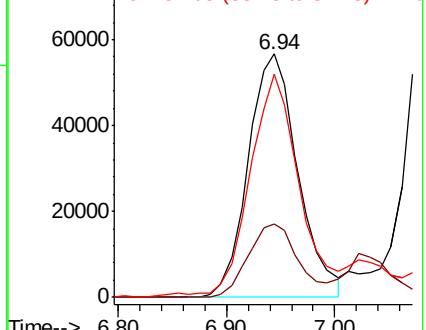
56 100

69 30.3 25.7 38.5

84 91.9 70.6 105.8



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



#32

1,1,1-Trichloroethane

Concen: 18.913 ug/l

RT: 6.86 min Scan# 552

Delta R.T. 0.01 min

Lab File: VD061618.D

Acq: 5 Apr 2019 13:58

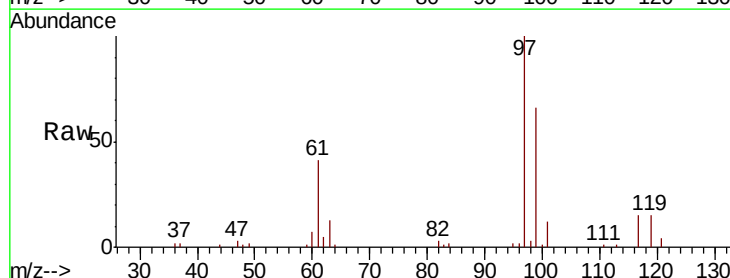
Tgt Ion: 97 Resp: 204405

Ion Ratio Lower Upper

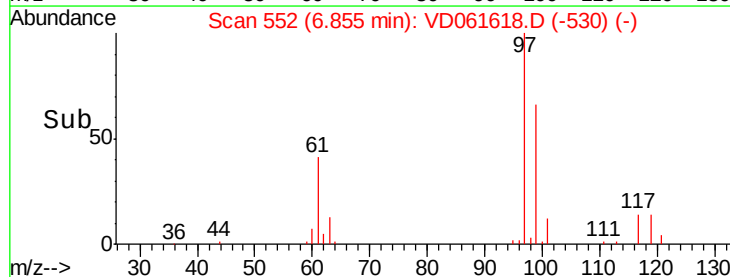
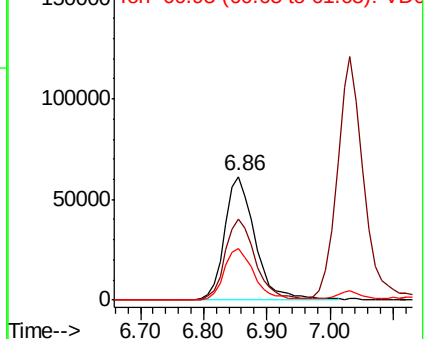
97 100

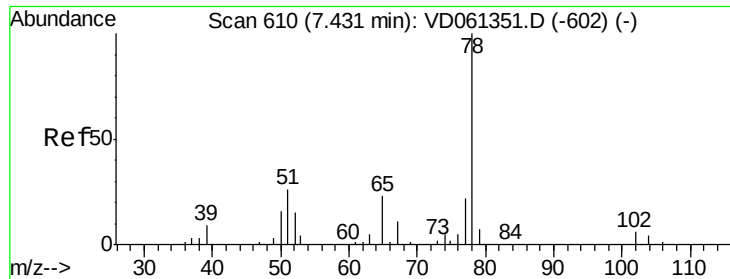
99 66.1 53.1 79.7

61 41.3 35.5 53.3



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

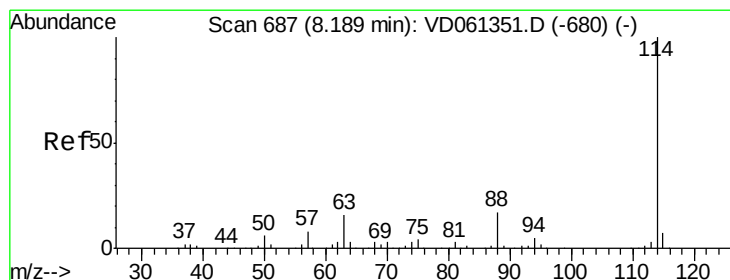
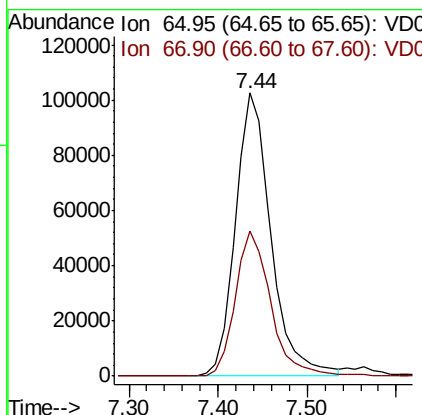
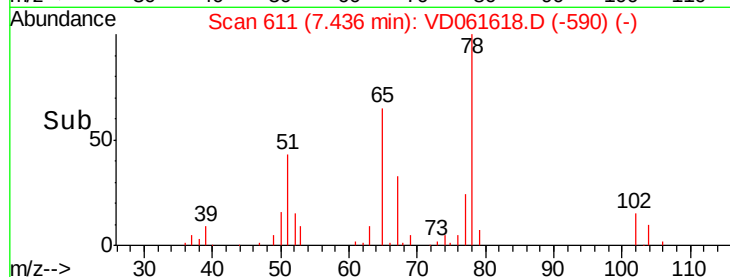
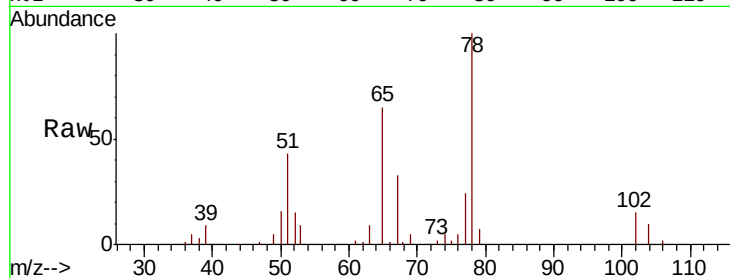




#33
 1,2-Dichloroethane-d4
 Concen: 18.913 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VD061618.D
 Acq: 5 Apr 2019 13:58

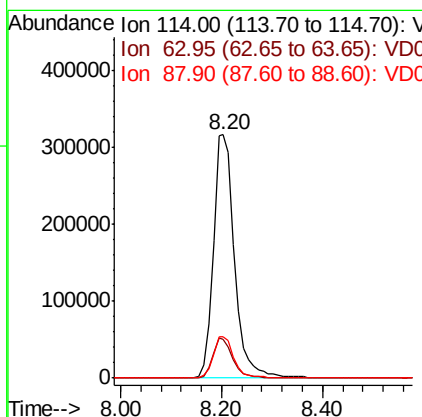
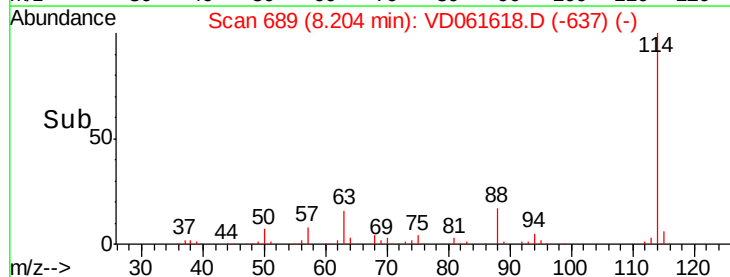
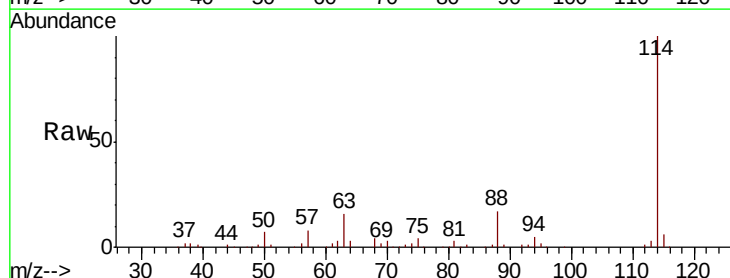
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0405SBS01

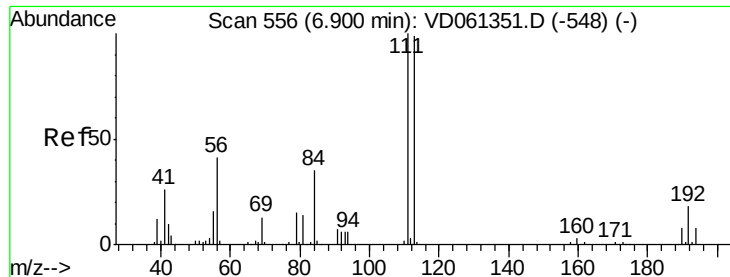
Tot Ion: 65 Resp: 283850
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 689
 Delta R.T. 0.01 min
 Lab File: VD061618.D
 Acq: 5 Apr 2019 13:58

Tgt Ion: 114 Resp: 933408
 Ion Ratio Lower Upper
 114 100
 63 16.2 0.0 31.6
 88 16.8 0.0 33.4





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.91 min Scan# 558

Delta R.T. 0.01 min

Lab File: VD061618.D

Acq: 5 Apr 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

VD0405SBSD01

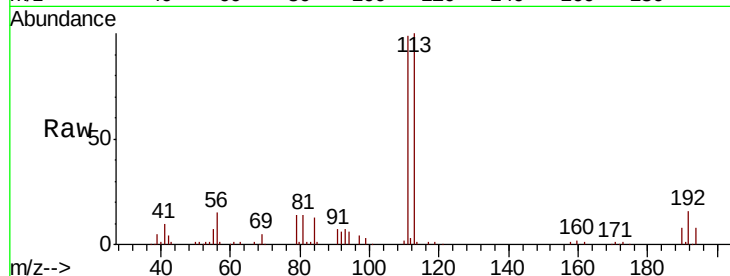
Tot Ion:113 Resp: 419762

Ion Ratio Lower Upper

113 100

111 99.3 81.0 121.6

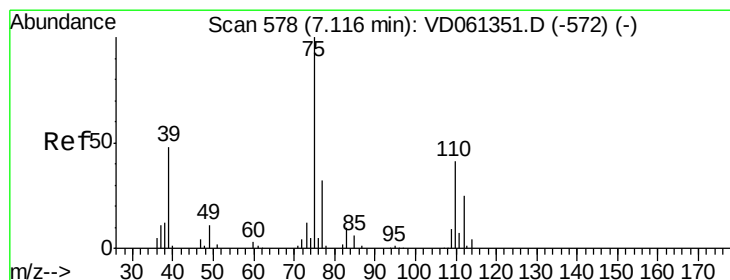
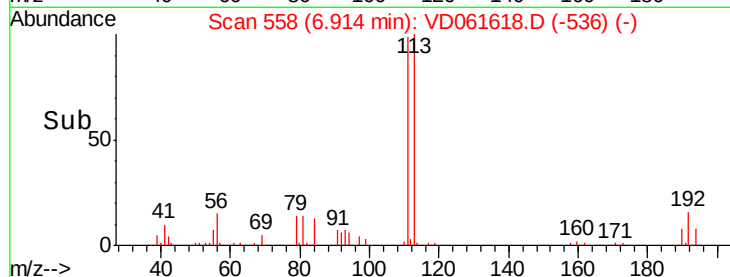
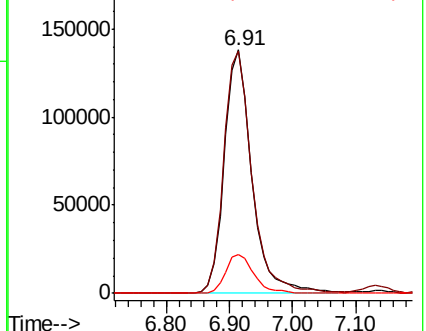
192 15.8 14.4 21.6



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: 23.183 ug/l

RT: 7.13 min Scan# 580

Delta R.T. 0.01 min

Lab File: VD061618.D

Acq: 5 Apr 2019 13:58

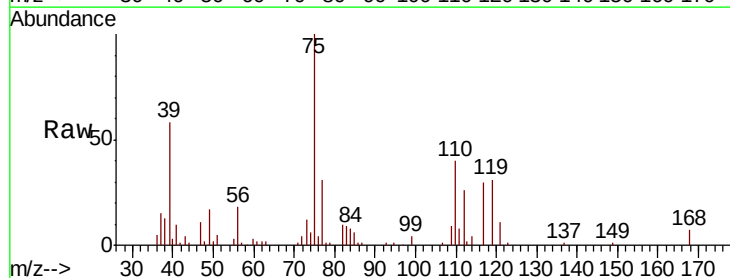
Tgt Ion: 75 Resp: 188860

Ion Ratio Lower Upper

75 100

110 40.0 20.4 61.3

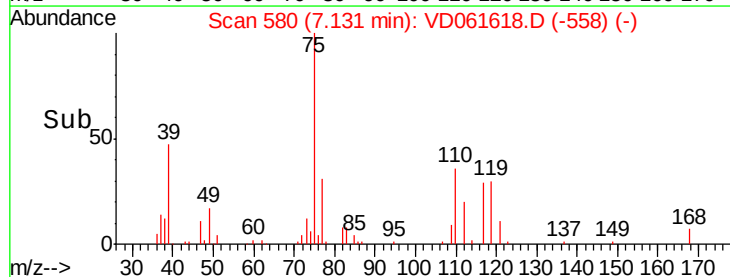
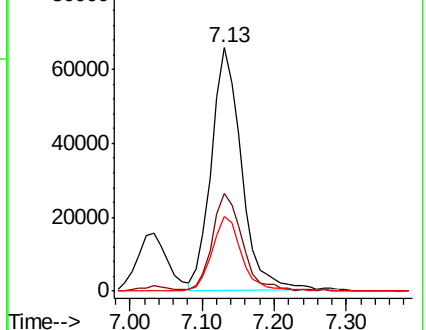
77 30.6 24.9 37.3

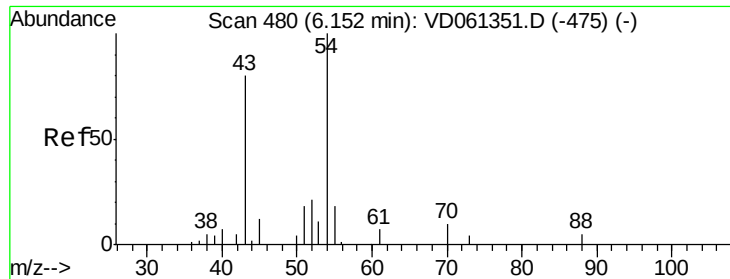


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

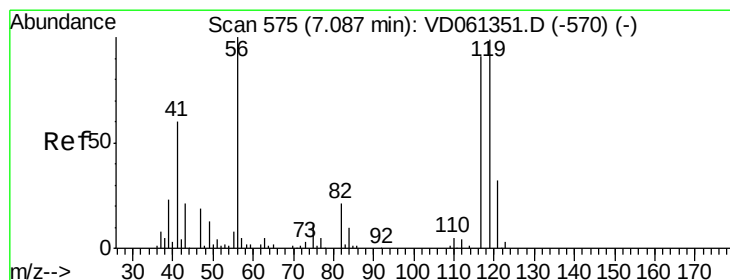
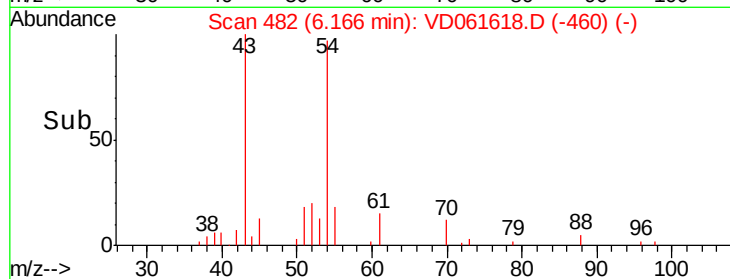
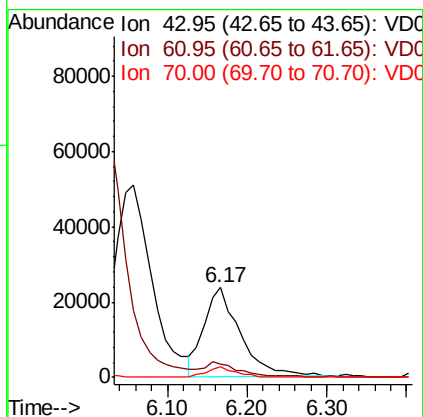
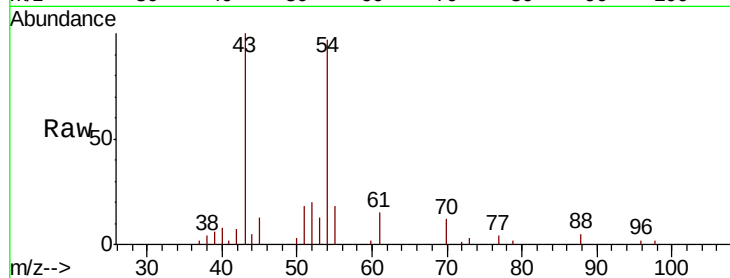




#37
Ethyl Acetate
Concen: 21.210 ug/l
RT: 6.17 min Scan# 482
Delta R.T. 0.01 min
Lab File: VD061618.D
Acq: 5 Apr 2019 13:58

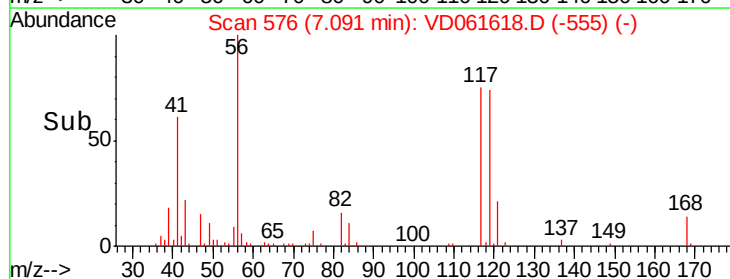
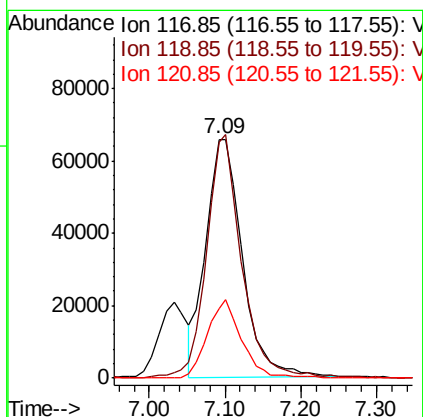
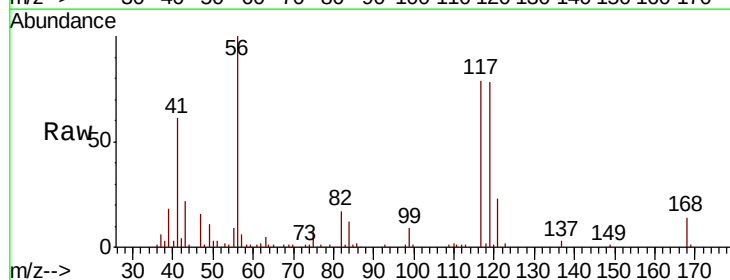
Instrument :
MSVOA_D
ClientSampleId :
VD0405SBSD01

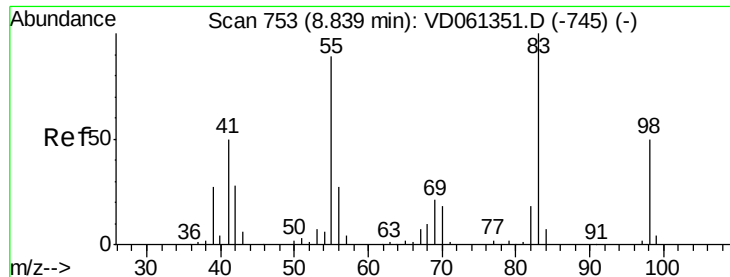
Tot Ion: 43 Resp: 73897
Ion Ratio Lower Upper
43 100
61 14.8 13.8 20.8
70 12.1 7.8 11.8#



#38
Carbon Tetrachloride
Concen: 23.632 ug/l
RT: 7.09 min Scan# 576
Delta R.T. 0.00 min
Lab File: VD061618.D
Acq: 5 Apr 2019 13:58

Tgt Ion: 117 Resp: 221225
Ion Ratio Lower Upper
117 100
119 98.9 80.1 120.1
121 29.0 25.6 38.4

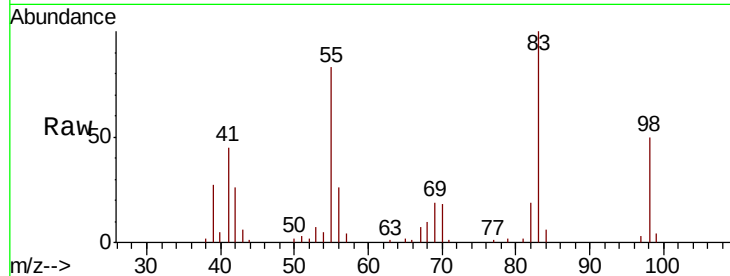




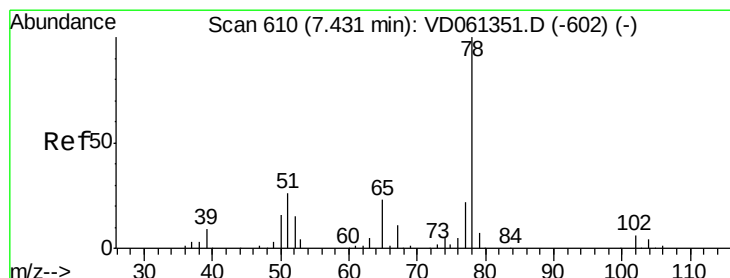
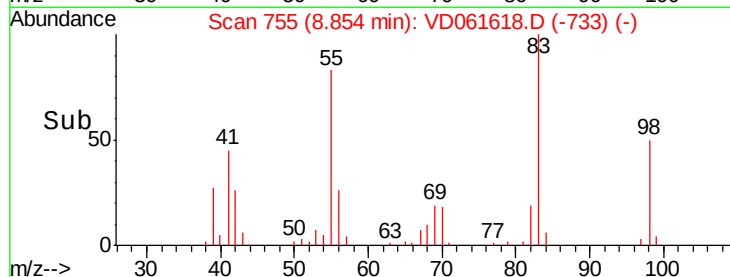
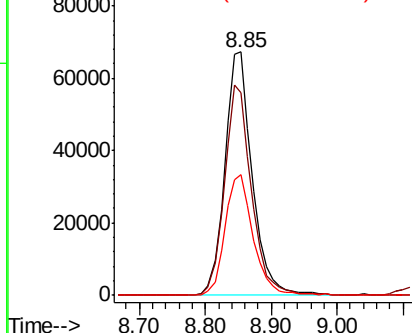
#39
Methylvlcyclohexane
Concen: 22.957 ug/l
RT: 8.85 min Scan# 755
Delta R.T. 0.01 min
Lab File: VD061618.D
Acq: 5 Apr 2019 13:58

Instrument :
MSVOA_D
ClientSampleId :
VD0405SBS01

Tot Ion: 83 Resp: 194778
Ion Ratio Lower Upper
83 100
55 83.3 71.5 107.3
98 49.6 40.3 60.5

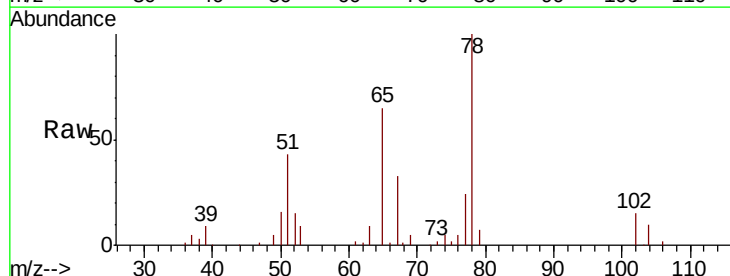


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

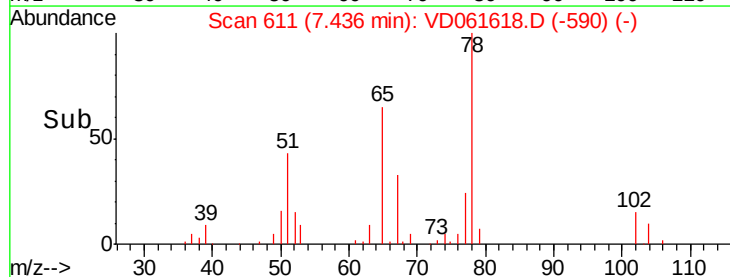
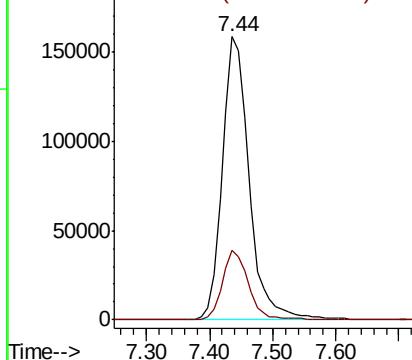


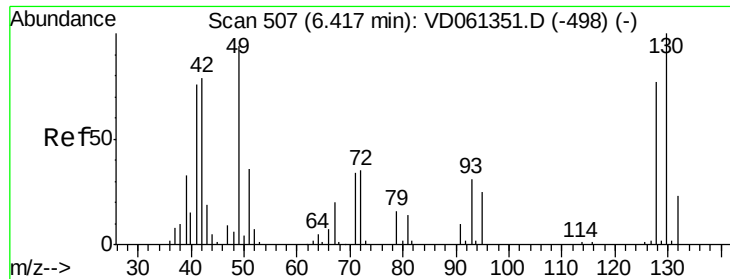
#40
Benzene
Concen: 22.832 ug/l
RT: 7.44 min Scan# 611
Delta R.T. 0.00 min
Lab File: VD061618.D
Acq: 5 Apr 2019 13:58

Tgt Ion: 78 Resp: 466806
Ion Ratio Lower Upper
78 100
77 24.5 17.8 26.6



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

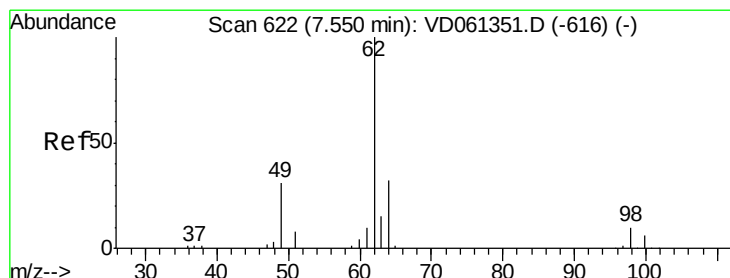
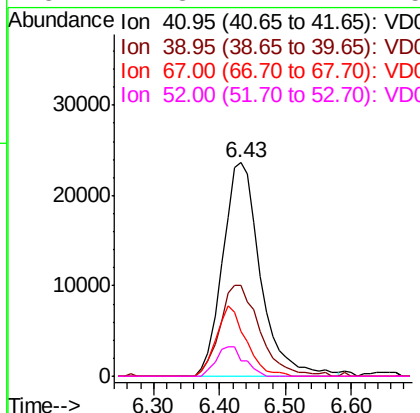
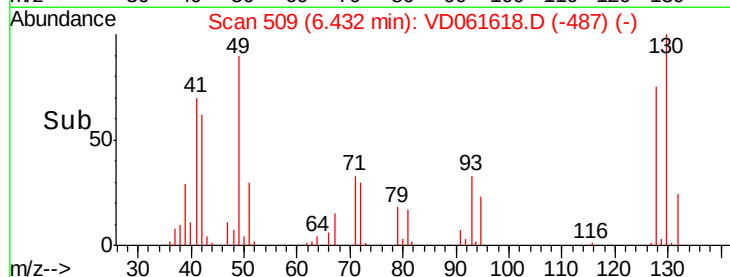
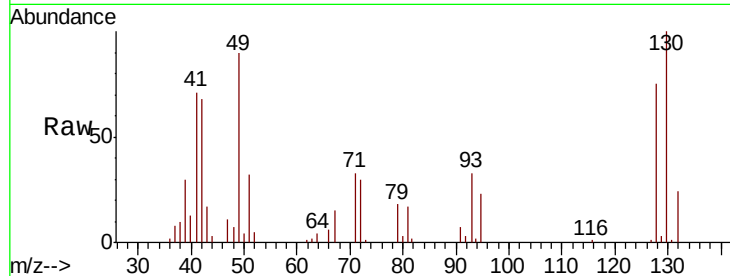




#41
Methacrylonitrile
Concen: 23.213 ug/l
RT: 6.43 min Scan# 509
Delta R.T. 0.01 min
Lab File: VD061618.D
Acq: 5 Apr 2019 13:58

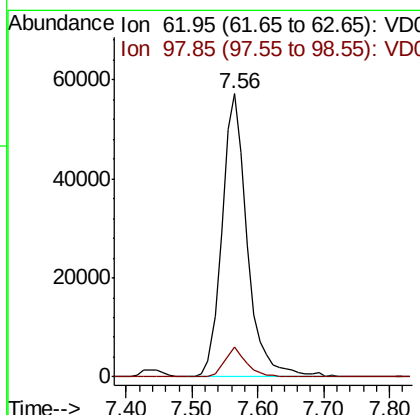
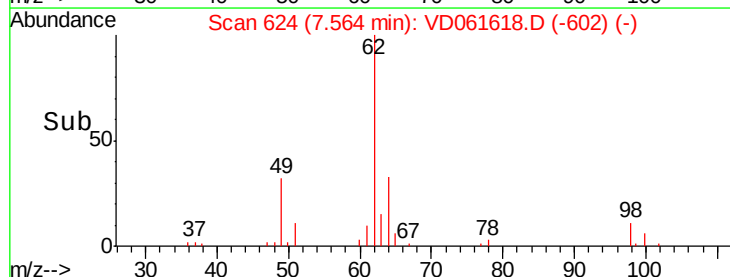
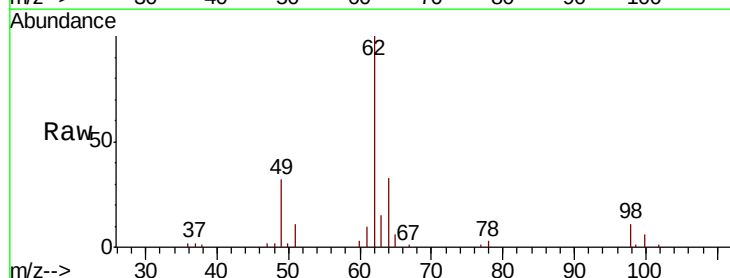
Instrument :
MSVOA_D
ClientSampleId :
VD0405SBS01

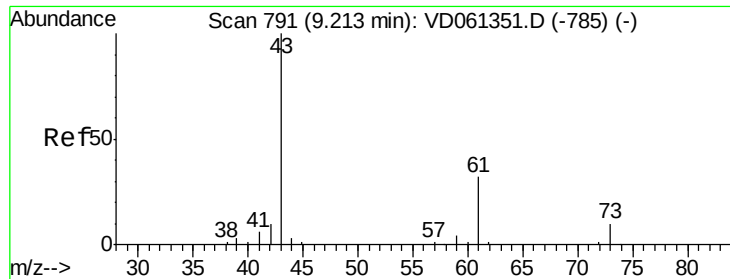
Tot Ion: 41 Resp: 94563
Ion Ratio Lower Upper
41 100
39 42.6 35.0 52.6
67 20.9 21.0 31.6#
52 7.3 7.7 11.5#



#42
1,2-Dichloroethane
Concen: 25.020 ug/l
RT: 7.56 min Scan# 624
Delta R.T. 0.01 min
Lab File: VD061618.D
Acq: 5 Apr 2019 13:58

Tgt Ion: 62 Resp: 153015
Ion Ratio Lower Upper
62 100
98 10.6 0.0 19.8

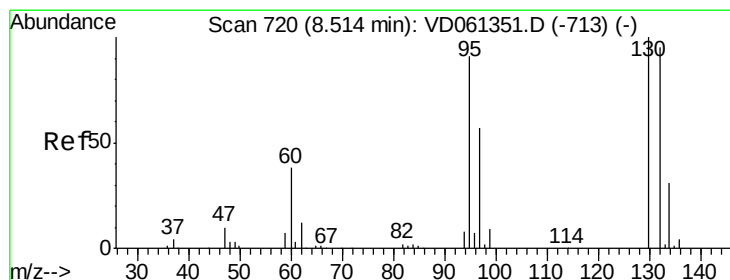
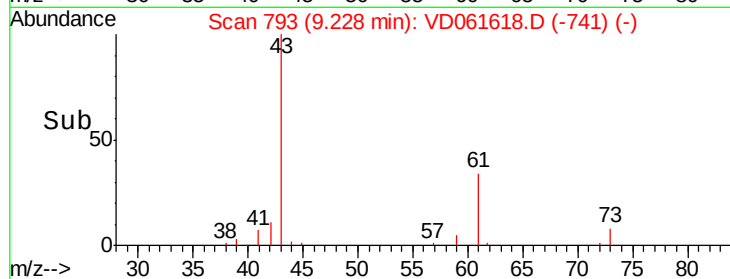
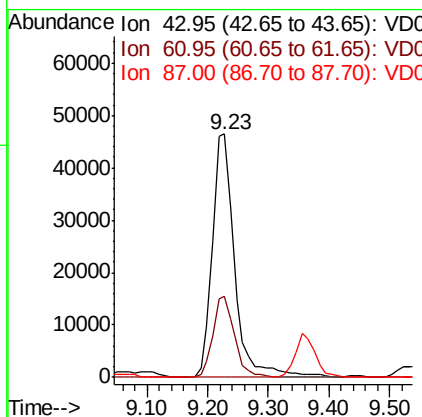
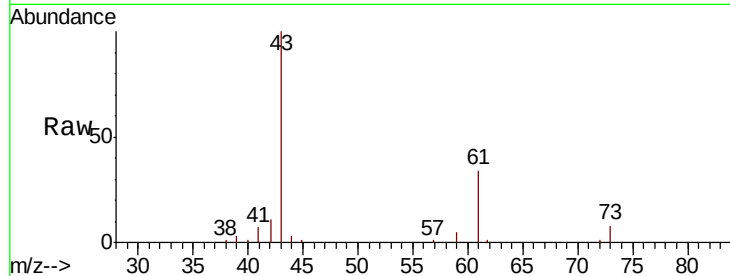




#43
Isopropyl Acetate
Concen: 23.504 ug/l
RT: 9.23 min Scan# 793
Delta R.T. 0.01 min
Lab File: VD061618.D
Acq: 5 Apr 2019 13:58

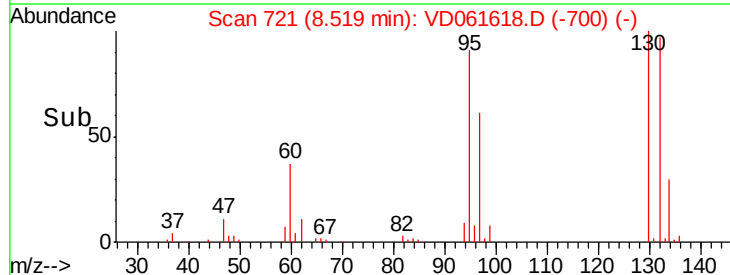
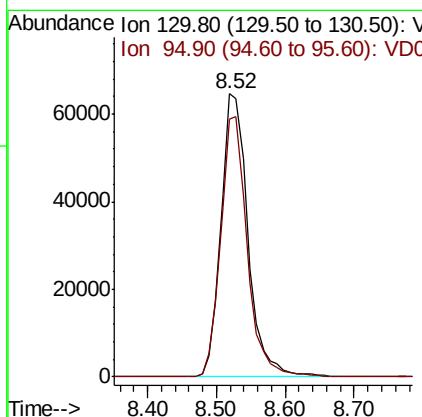
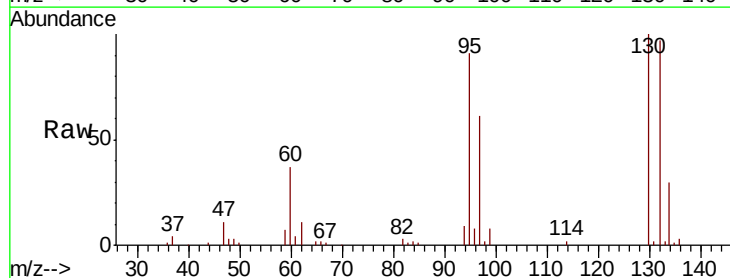
Instrument :
MSVOA_D
ClientSampleId :
VD0405SBS01

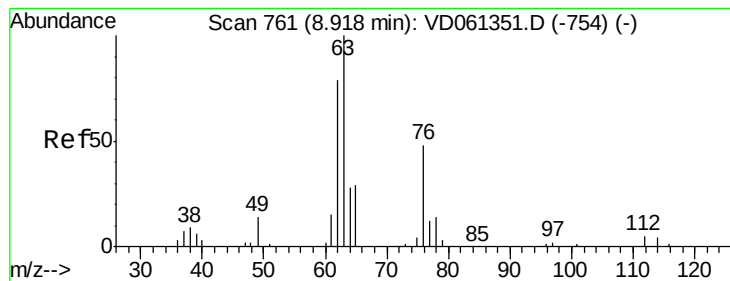
Tot Ion: 43 Resp: 119149
Ion Ratio Lower Upper
43 100
61 33.5 25.8 38.6
87 0.0 0.0 0.0



#44
Trichloroethene
Concen: 23.066 ug/l
RT: 8.52 min Scan# 721
Delta R.T. 0.00 min
Lab File: VD061618.D
Acq: 5 Apr 2019 13:58

Tgt Ion:130 Resp: 175503
Ion Ratio Lower Upper
130 100
95 91.1 0.0 181.4





#45

1,2-Dichloropropane

Concen: 22.772 ug/l

RT: 8.92 min Scan# 762

Delta R.T. 0.00 min

Lab File: VD061618.D

Acq: 5 Apr 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

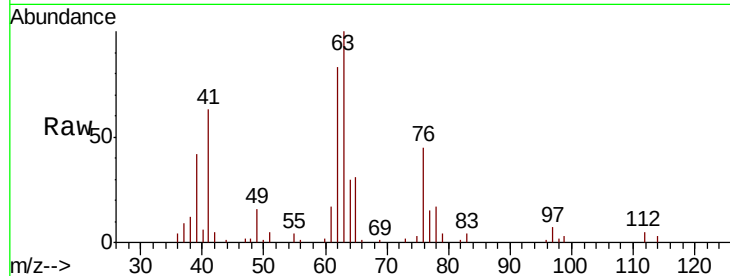
VD0405SBS01

Tot Ion: 63 Resp: 118057

Ion Ratio Lower Upper

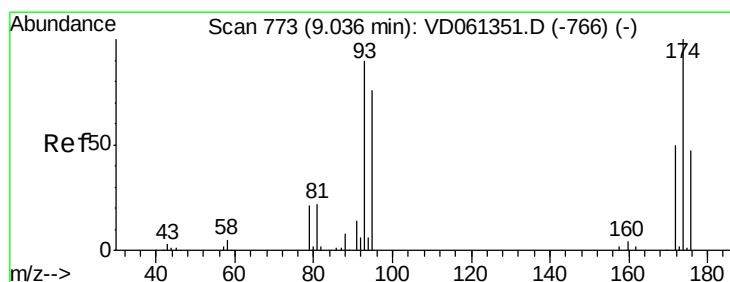
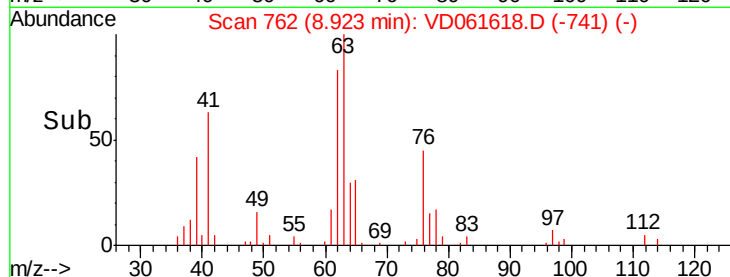
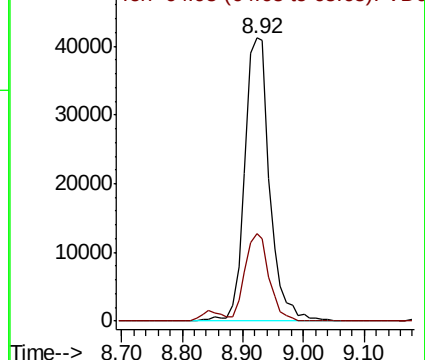
63 100

65 30.7 25.0 37.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 23.616 ug/l

RT: 9.05 min Scan# 775

Delta R.T. 0.01 min

Lab File: VD061618.D

Acq: 5 Apr 2019 13:58

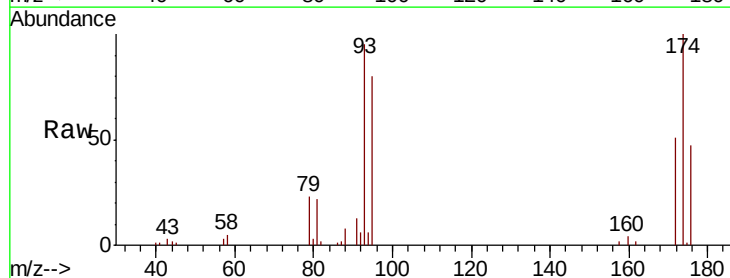
Tgt Ion: 93 Resp: 82407

Ion Ratio Lower Upper

93 100

95 84.2 67.4 101.0

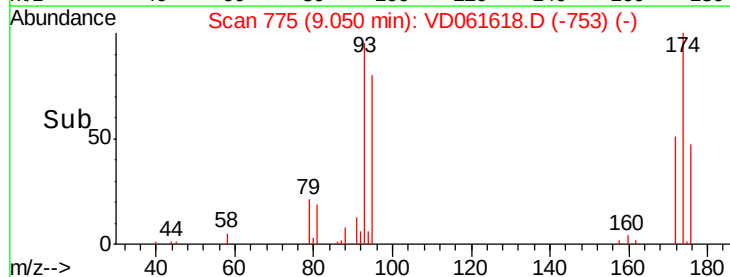
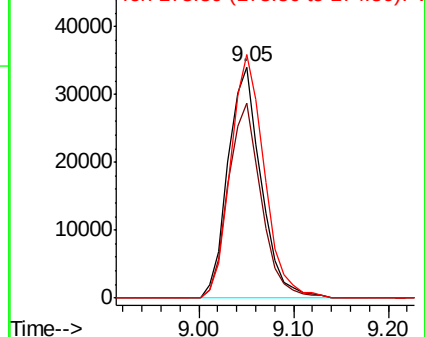
174 105.3 88.9 133.3

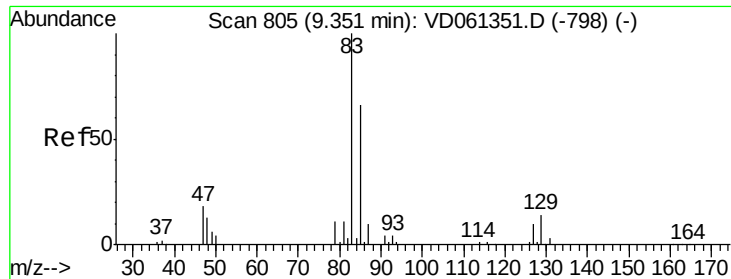


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 24.014 ug/l

RT: 9.36 min Scan# 806

Delta R.T. 0.00 min

Lab File: VD061618.D

Acq: 5 Apr 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

VD0405SBS01

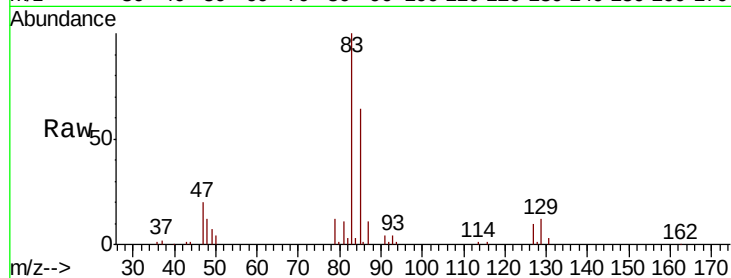
Tot Ion: 83 Resp: 188081

Ion Ratio Lower Upper

83 100

85 64.1 53.0 79.4

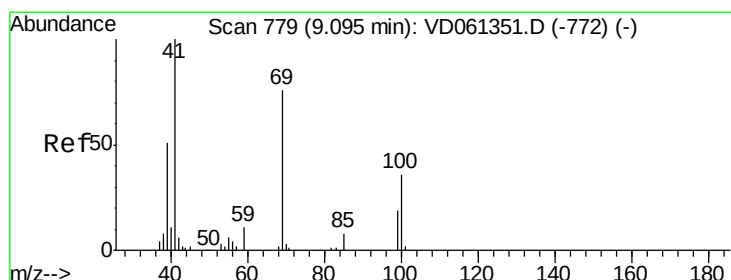
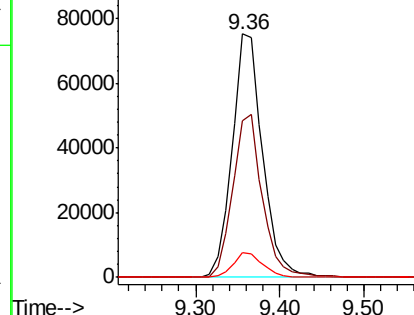
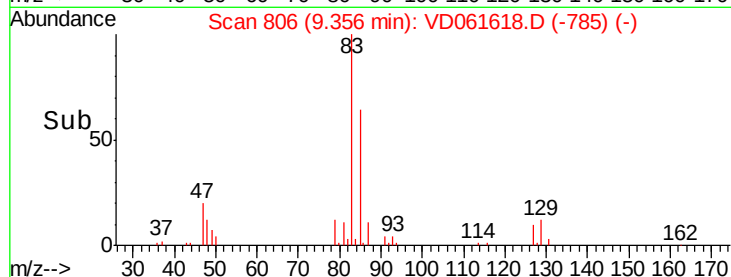
127 10.0 8.4 12.6



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: 21.554 ug/l

RT: 9.10 min Scan# 780

Delta R.T. 0.00 min

Lab File: VD061618.D

Acq: 5 Apr 2019 13:58

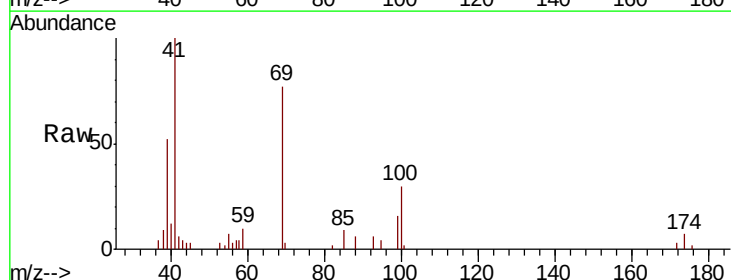
Tgt Ion: 41 Resp: 60300

Ion Ratio Lower Upper

41 100

69 76.6 60.2 90.4

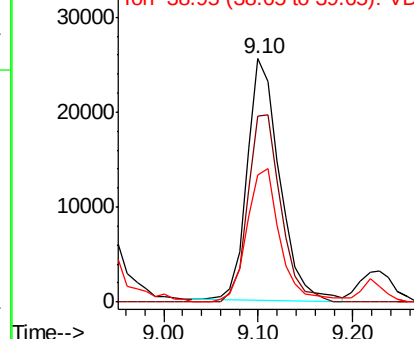
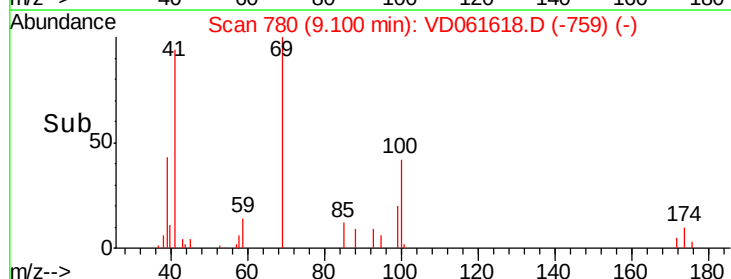
39 52.4 41.4 62.2

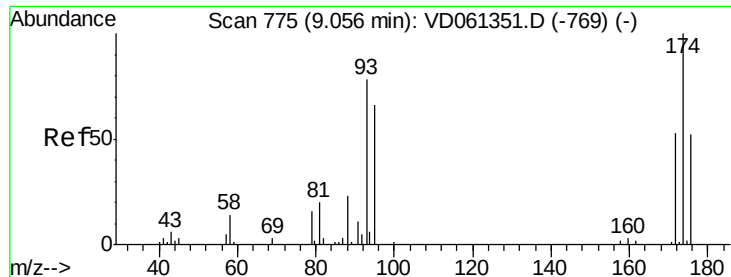


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 430.681 ug/l

RT: 9.07 min Scan# 777

Delta R.T. 0.01 min

Lab File: VD061618.D

Acq: 5 Apr 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

VD0405SBS01

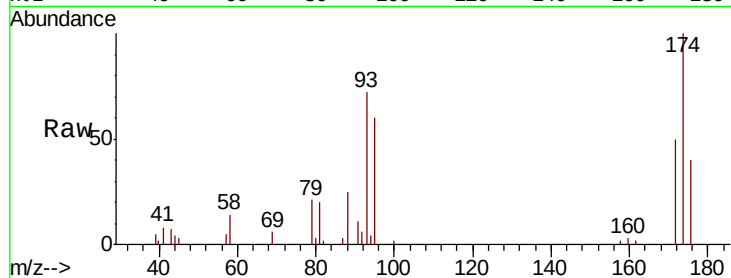
Tot Ion: 88 Resp: 13290

Ion Ratio Lower Upper

88 100

43 27.4 23.3 34.9

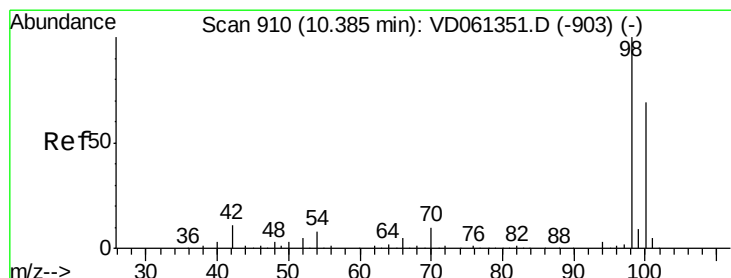
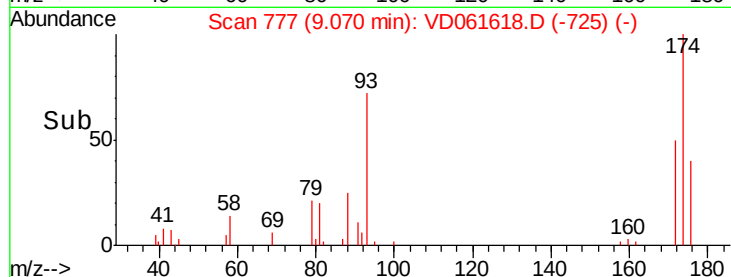
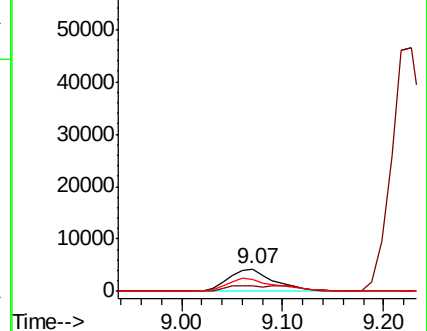
58 56.0 50.8 76.2



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 430.681 ug/l

RT: 10.39 min Scan# 911

Delta R.T. 0.00 min

Lab File: VD061618.D

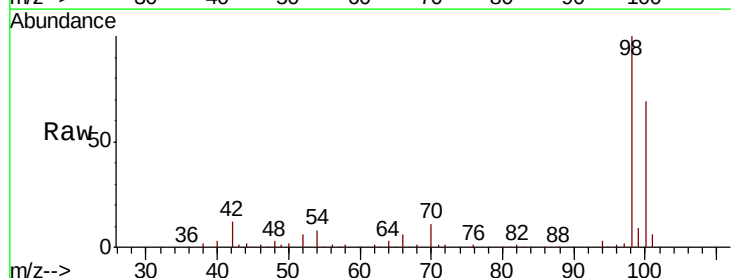
Acq: 5 Apr 2019 13:58

Tgt Ion: 98 Resp: 988978

Ion Ratio Lower Upper

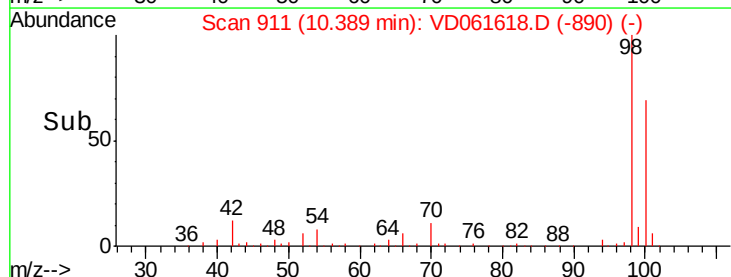
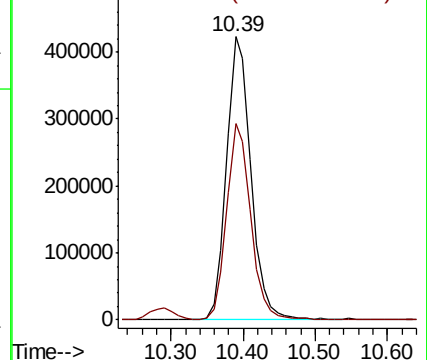
98 100

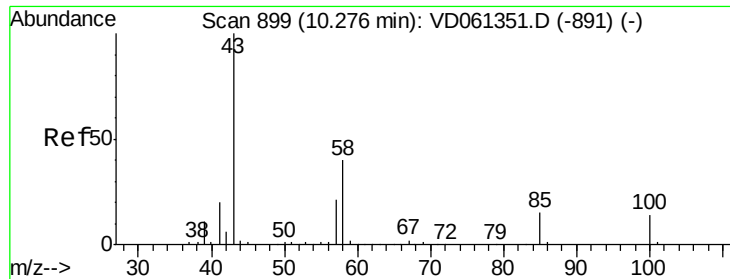
100 69.2 56.2 84.2



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 116.361 ug/l

RT: 10.29 min Scan# 901

Delta R.T. 0.01 min

Lab File: VD061618.D

Acq: 5 Apr 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

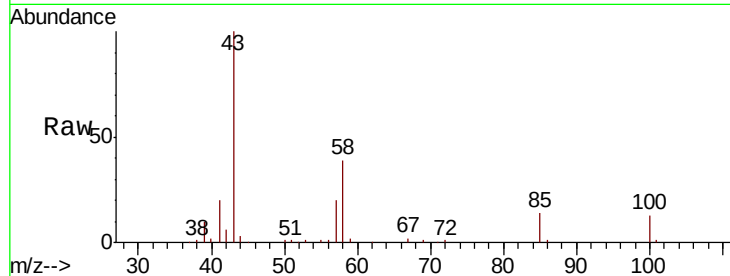
VD0405SBSD01

Tot Ion: 43 Resp: 358869

Ion Ratio Lower Upper

43 100

58 39.5 31.8 47.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.29

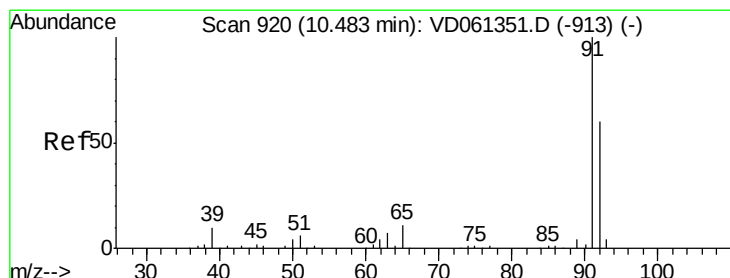
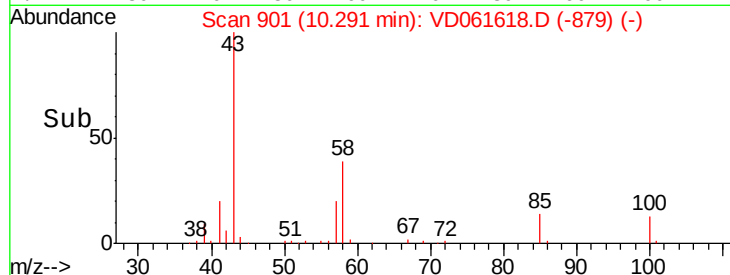
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 22.912 ug/l

RT: 10.49 min Scan# 921

Delta R.T. 0.00 min

Lab File: VD061618.D

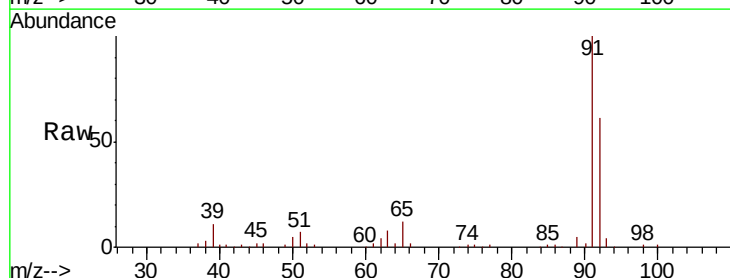
Acq: 5 Apr 2019 13:58

Tgt Ion: 92 Resp: 285793

Ion Ratio Lower Upper

92 100

91 164.0 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.49

200000

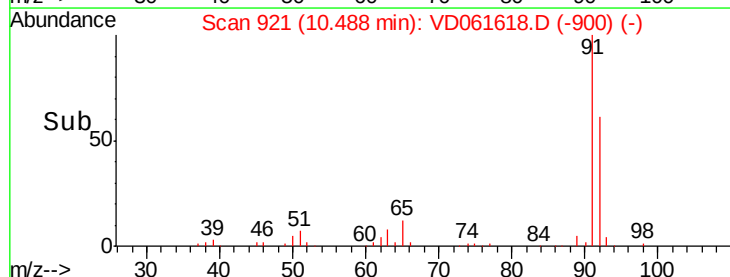
150000

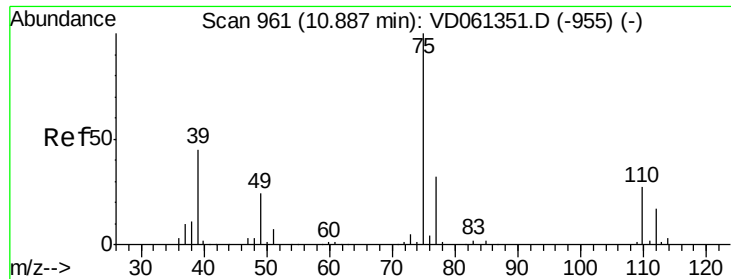
100000

50000

0

Time-->

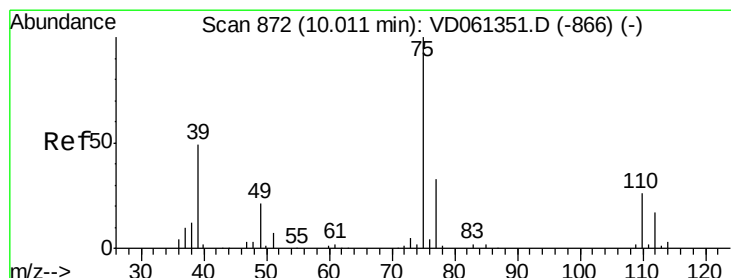
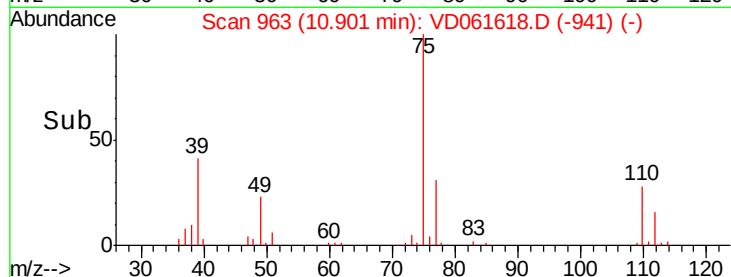
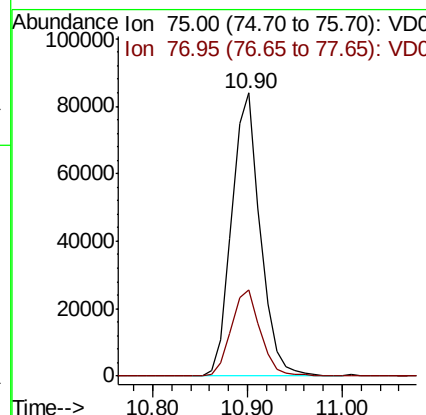
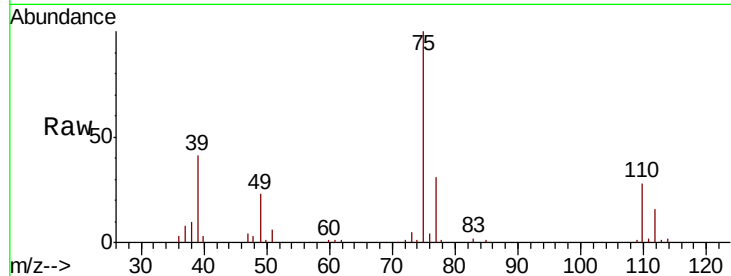




#53
 t-1,3-Dichloropropene
 Concen: 24.642 ug/l
 RT: 10.90 min Scan# 963
 Delta R.T. 0.01 min
 Lab File: VD061618.D
 Acq: 5 Apr 2019 13:58

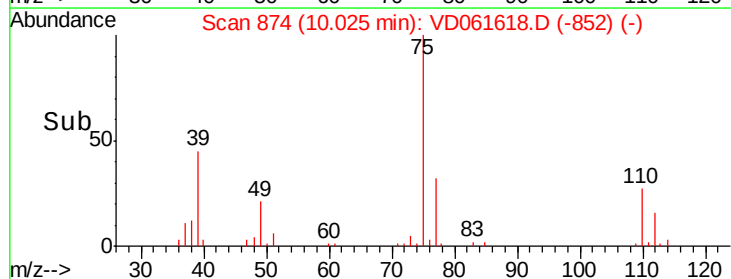
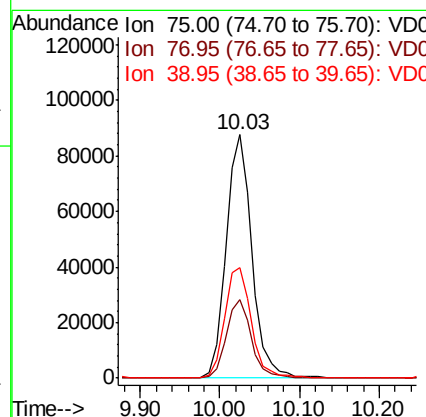
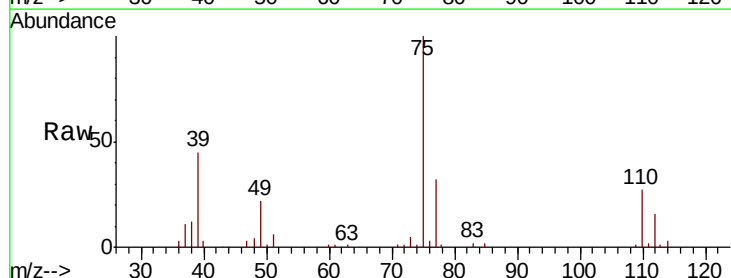
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0405SBS01

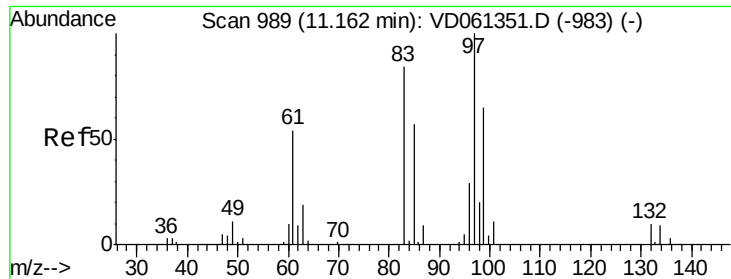
Tot Ion: 75 Resp: 175350
 Ion Ratio Lower Upper
 75 100
 77 30.5 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 23.046 ug/l
 RT: 10.03 min Scan# 874
 Delta R.T. 0.01 min
 Lab File: VD061618.D
 Acq: 5 Apr 2019 13:58

Tgt Ion: 75 Resp: 199681
 Ion Ratio Lower Upper
 75 100
 77 32.4 26.2 39.4
 39 45.4 39.4 59.0





#55

1,1,2-Trichloroethane

Concen: 22.255 ug/l

RT: 11.18 min Scan# 991

Delta R.T. 0.01 min

Lab File: VD061618.D

Acq: 5 Apr 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

VD0405SBS01

Tot Ion: 97 Resp: 97079

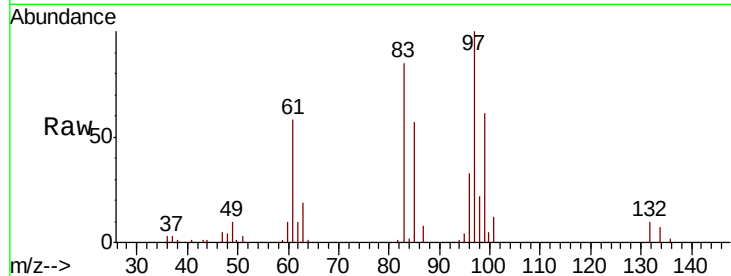
Ion Ratio Lower Upper

97 100

83 85.0 67.0 100.6

85 56.6 45.4 68.2

99 61.4 51.9 77.9

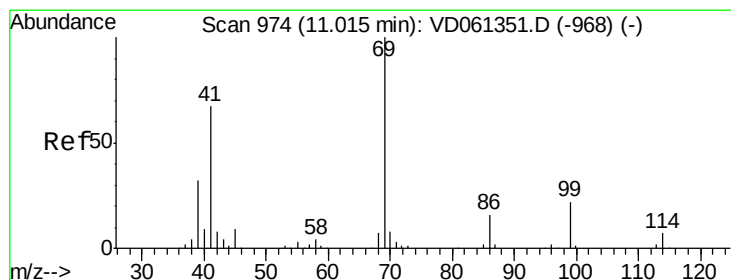
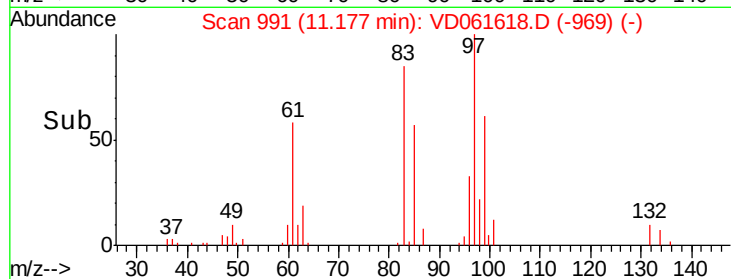
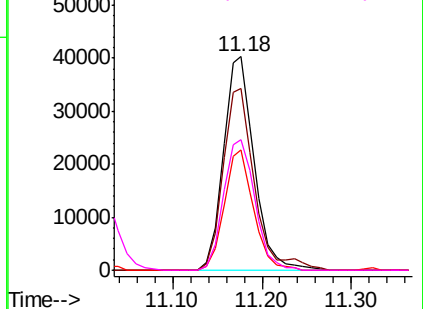


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 23.091 ug/l

RT: 11.03 min Scan# 976

Delta R.T. 0.01 min

Lab File: VD061618.D

Acq: 5 Apr 2019 13:58

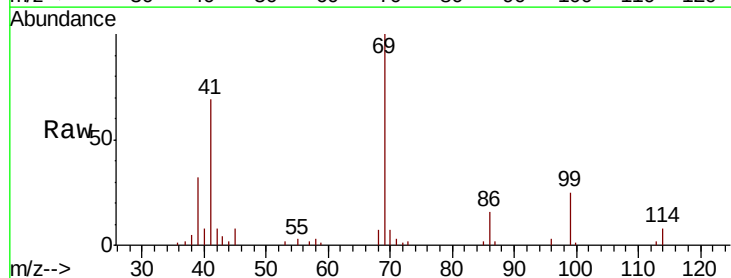
Tgt Ion: 69 Resp: 108209

Ion Ratio Lower Upper

69 100

41 69.5 53.8 80.6

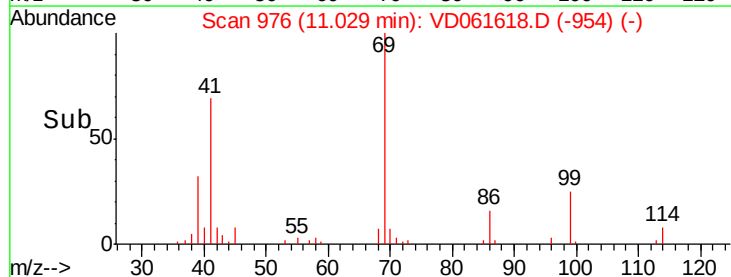
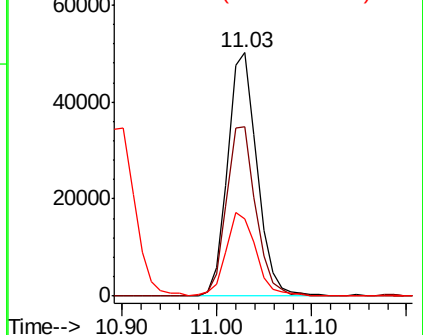
39 31.5 26.4 39.6

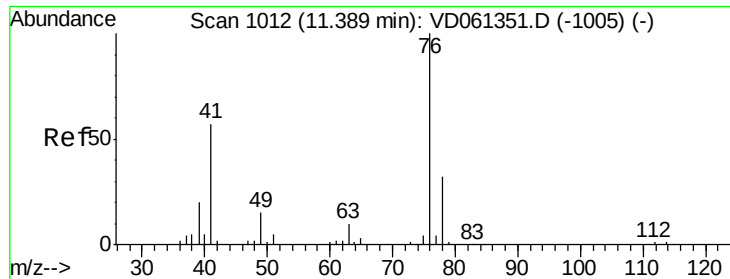


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

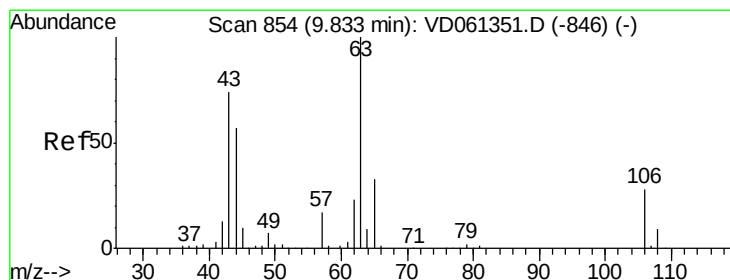
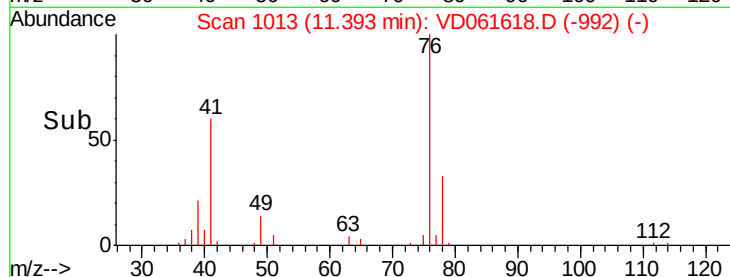
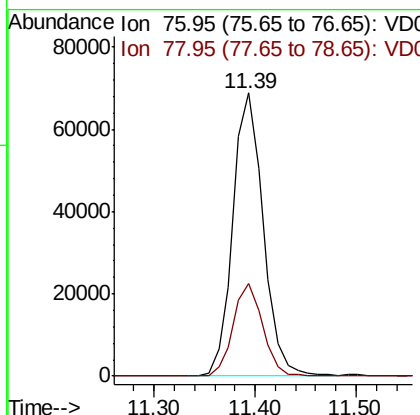
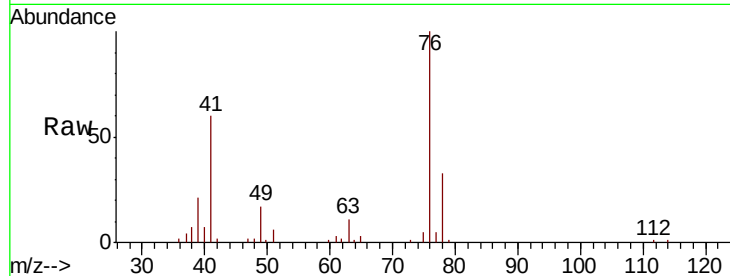




#57
 1,3-Dichloropropane
 Concen: 22.459 ug/l
 RT: 11.39 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VD061618.D
 Acq: 5 Apr 2019 13:58

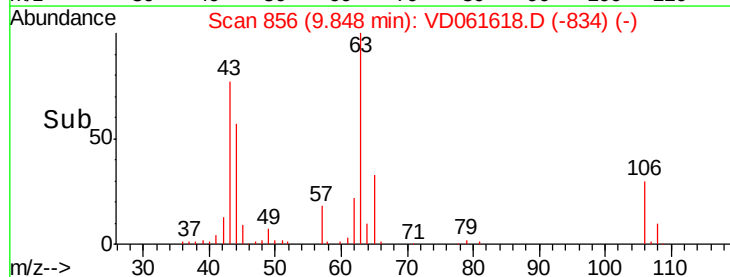
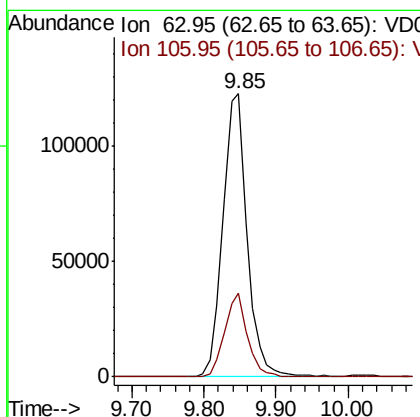
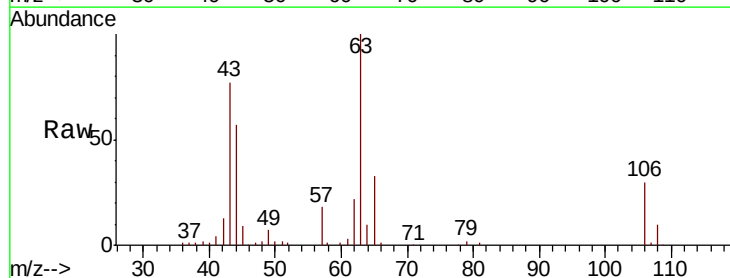
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0405SBSD01

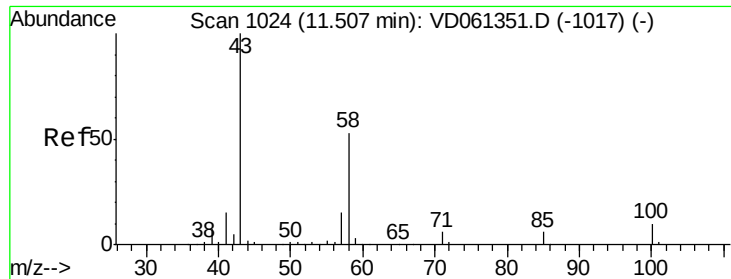
Tot Ion: 76 Resp: 144002
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 124.659 ug/l
 RT: 9.85 min Scan# 856
 Delta R.T. 0.01 min
 Lab File: VD061618.D
 Acq: 5 Apr 2019 13:58

Tgt Ion: 63 Resp: 284489
 Ion Ratio Lower Upper
 63 100
 106 29.8 22.4 33.6

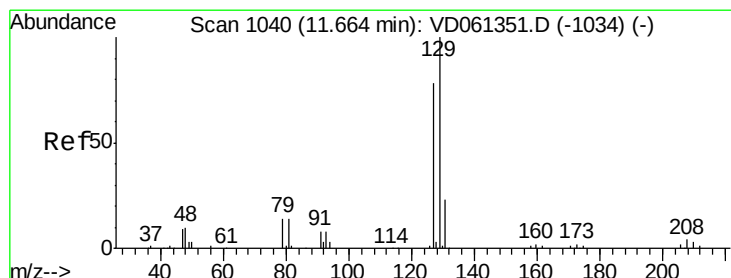
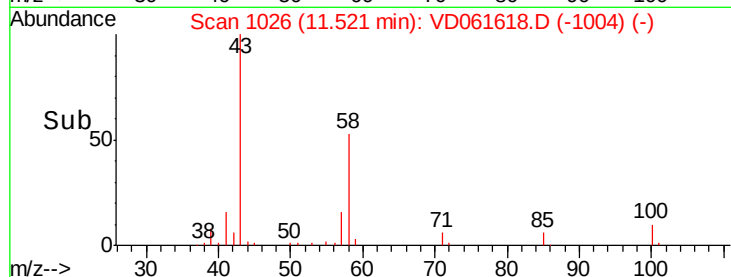
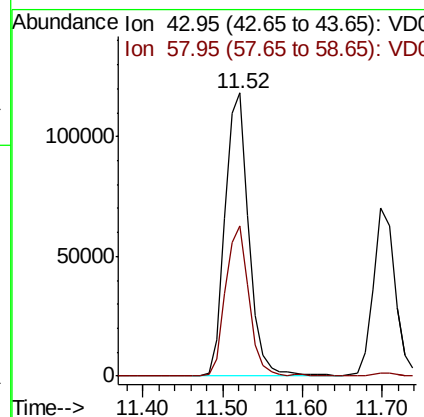
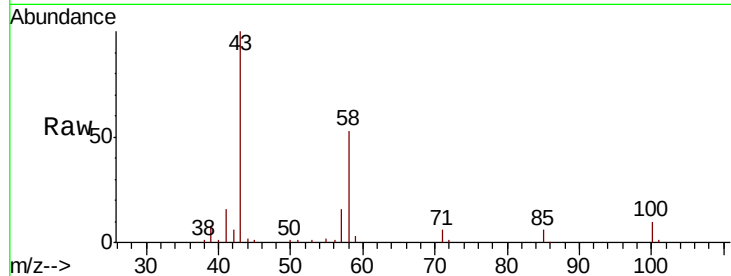




#59
2-Hexanone
Concen: 112.066 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. 0.01 min
Lab File: VD061618.D
Acq: 5 Apr 2019 13:58

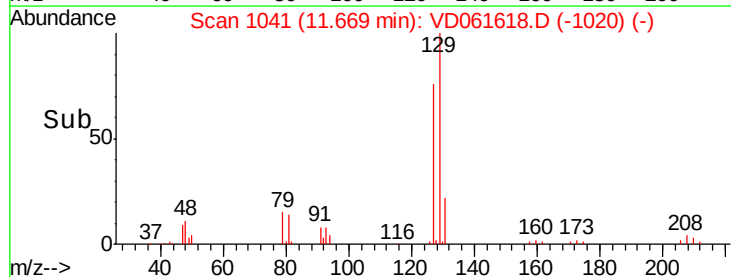
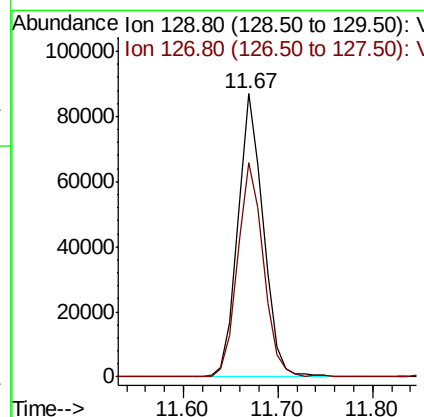
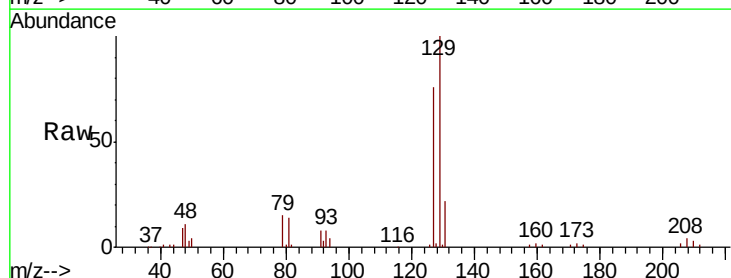
Instrument :
MSVOA_D
ClientSampleId :
VD0405SBS01

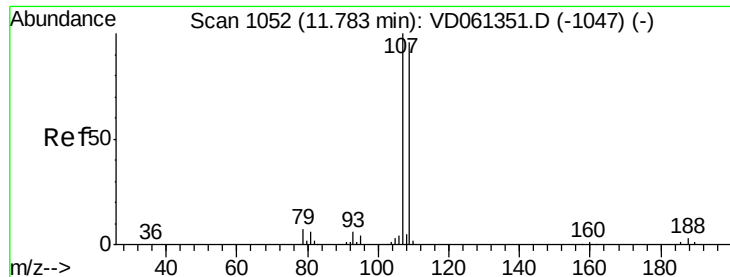
Tot Ion: 43 Resp: 250414
Ion Ratio Lower Upper
43 100
58 53.1 26.3 78.9



#60
Dibromochloromethane
Concen: 24.080 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. 0.00 min
Lab File: VD061618.D
Acq: 5 Apr 2019 13:58

Tgt Ion: 129 Resp: 161935
Ion Ratio Lower Upper
129 100
127 75.6 39.0 116.9





#61

1,2-Dibromoethane

Concen: 23.080 ug/l

RT: 11.79 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VD061618.D

Acq: 5 Apr 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

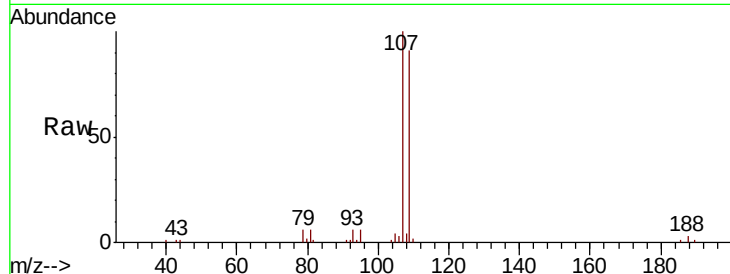
VD0405SBSD01

Tot Ion: 107 Resp: 116582

Ion Ratio Lower Upper

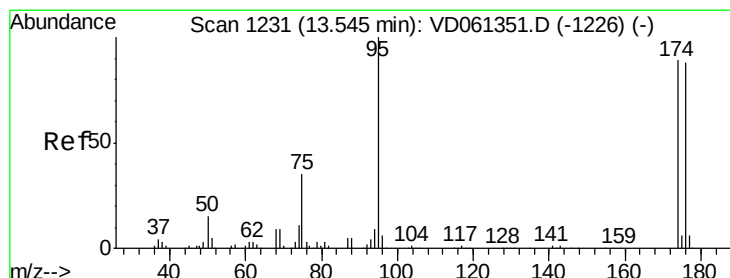
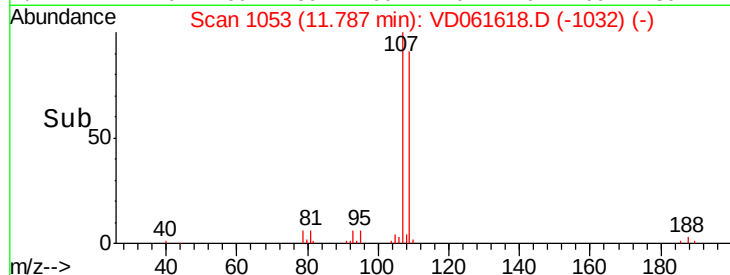
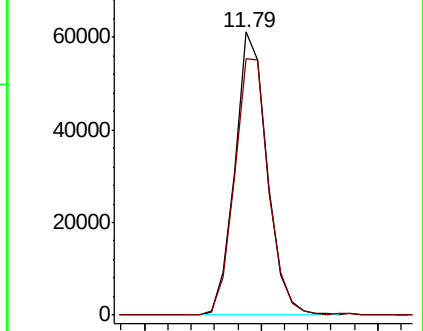
107 100

109 90.7 76.6 114.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 23.080 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD061618.D

Acq: 5 Apr 2019 13:58

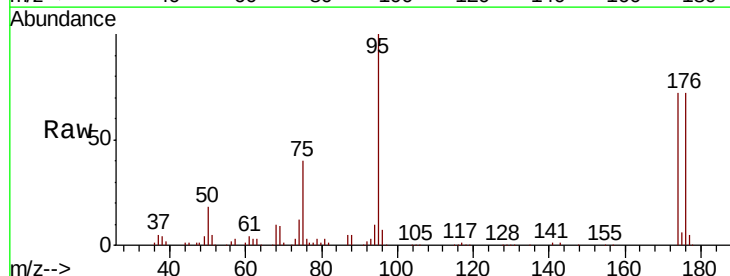
Tgt Ion: 95 Resp: 364691

Ion Ratio Lower Upper

95 100

174 71.7 0.0 178.0

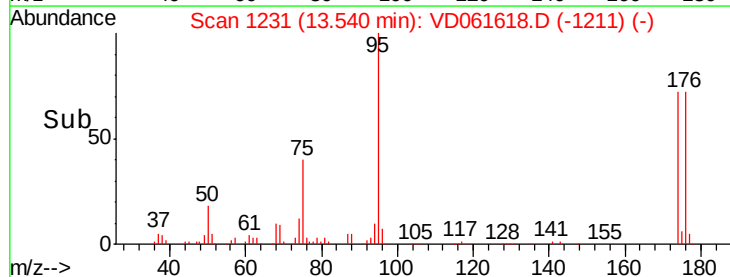
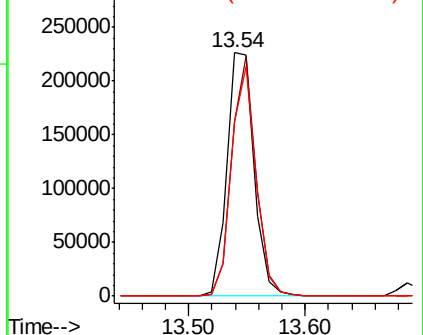
176 71.8 0.0 175.0

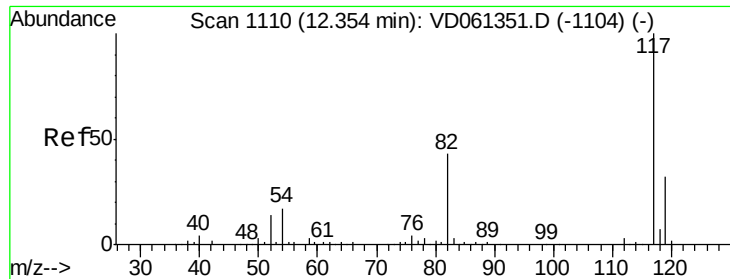


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

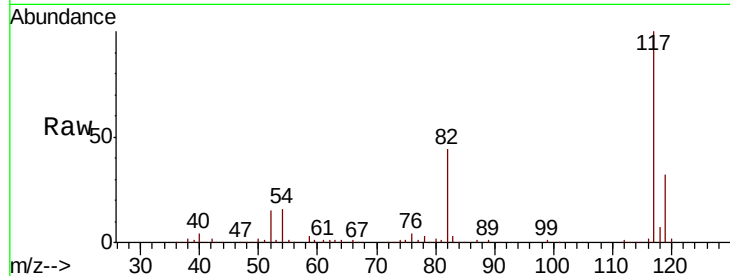




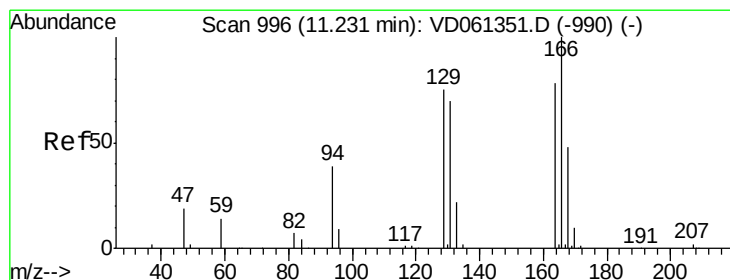
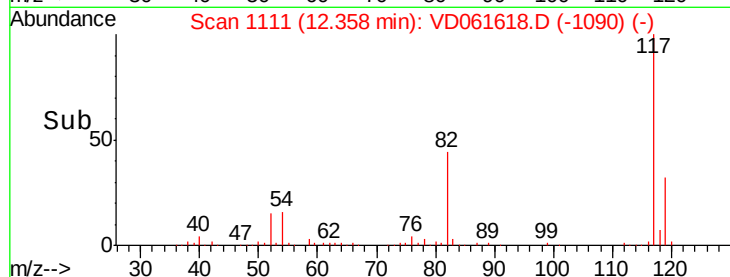
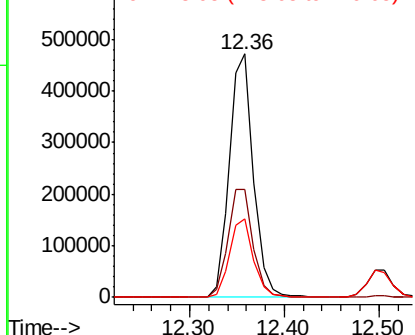
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD061618.D
Acq: 5 Apr 2019 13:58

Instrument :
MSVOA_D
ClientSampleId :
VD0405SBSD01

Tot Ion:117 Resp: 828153
Ion Ratio Lower Upper
117 100
82 44.4 34.4 51.6
119 32.1 25.8 38.6

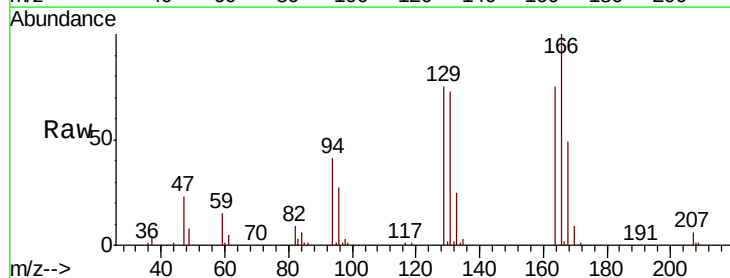


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

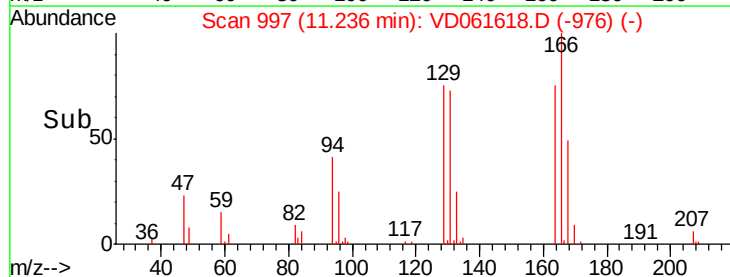
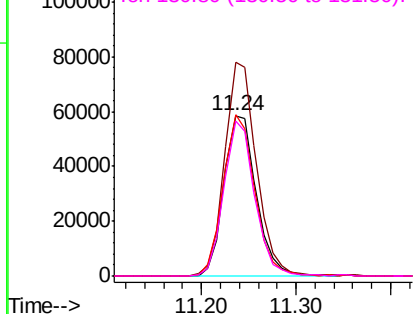


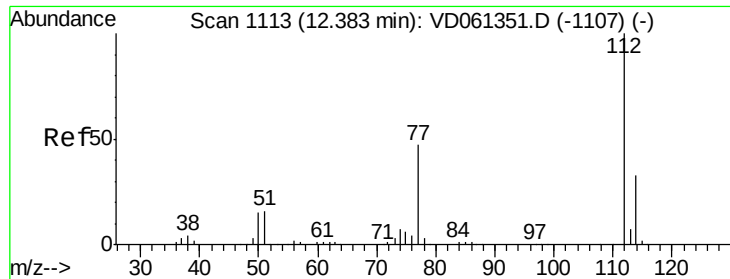
#64
Tetrachloroethene
Concen: 21.221 ug/l
RT: 11.24 min Scan# 997
Delta R.T. 0.00 min
Lab File: VD061618.D
Acq: 5 Apr 2019 13:58

Tgt Ion:164 Resp: 137924
Ion Ratio Lower Upper
164 100
166 132.9 102.4 153.6
129 100.2 76.8 115.2
131 96.6 71.8 107.6



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

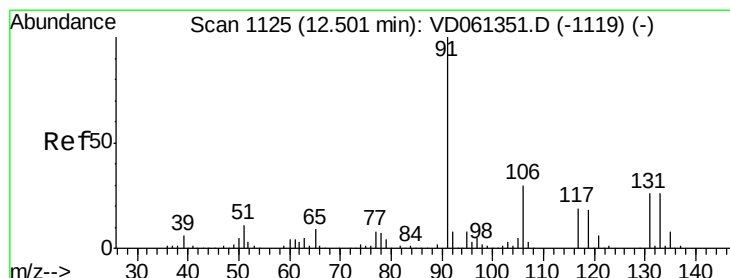
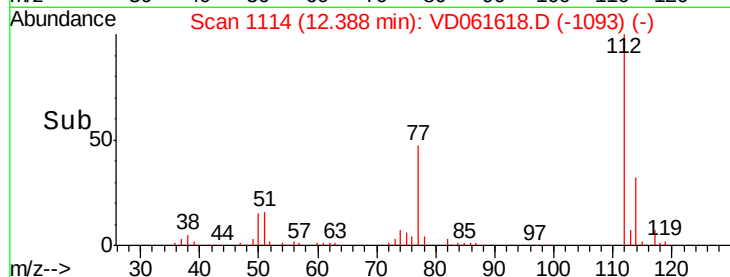
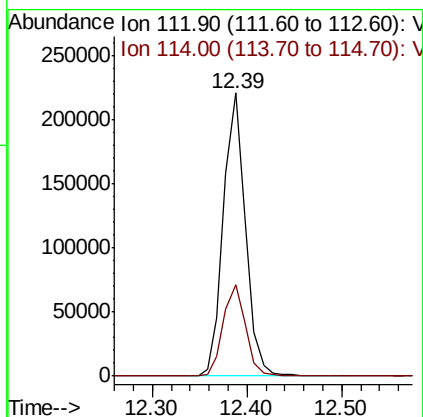
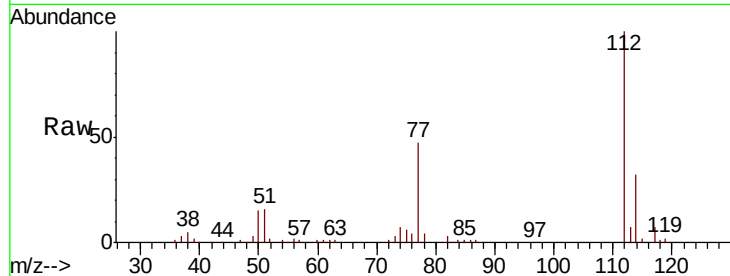




#65
Chlorobenzene
Concen: 21.082 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VD061618.D
Acq: 5 Apr 2019 13:58

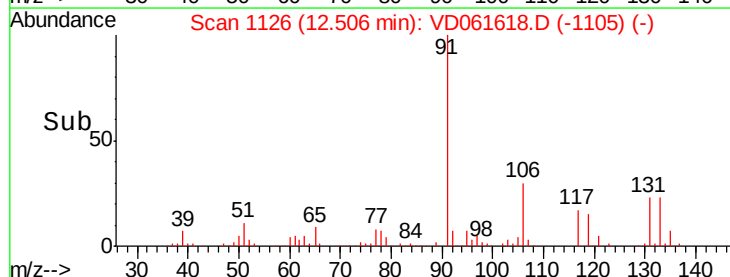
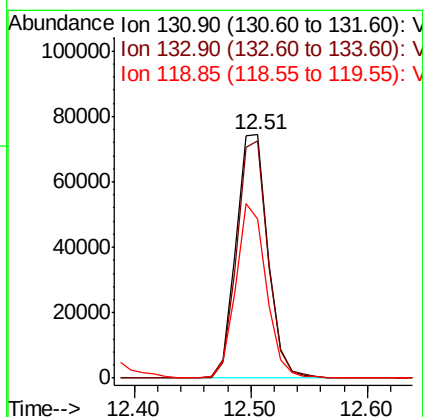
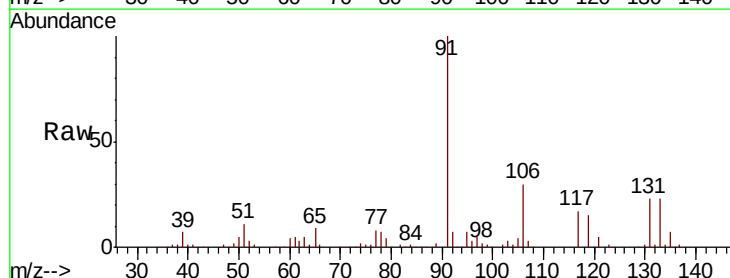
Instrument :
MSVOA_D
ClientSampleId :
VD0405SBSD01

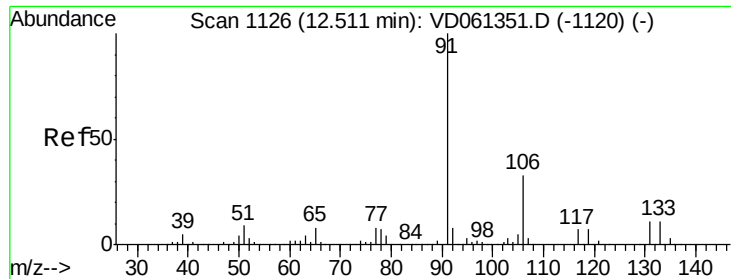
Tot Ion:112 Resp: 356808
Ion Ratio Lower Upper
112 100
114 32.3 26.6 39.8



#66
1,1,1,2-Tetrachloroethane
Concen: 21.487 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD061618.D
Acq: 5 Apr 2019 13:58

Tgt Ion:131 Resp: 140803
Ion Ratio Lower Upper
131 100
133 97.2 49.4 148.2
119 65.6 34.1 102.2

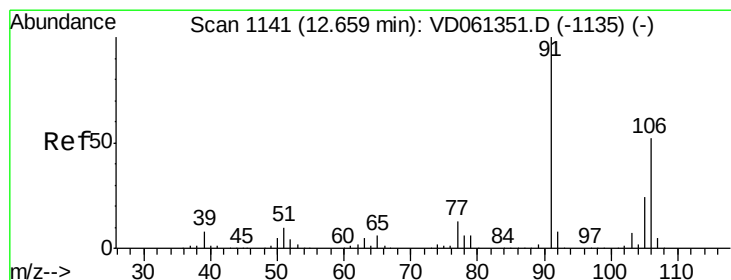
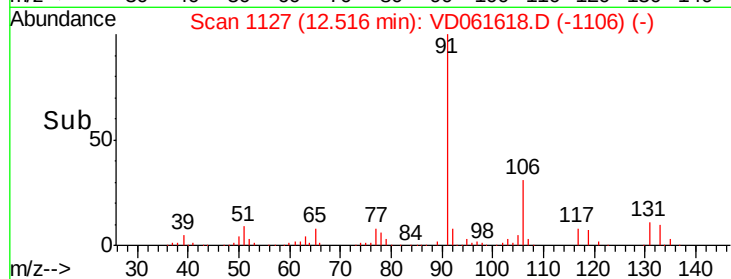
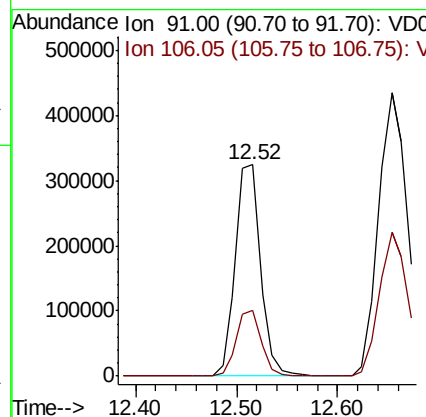
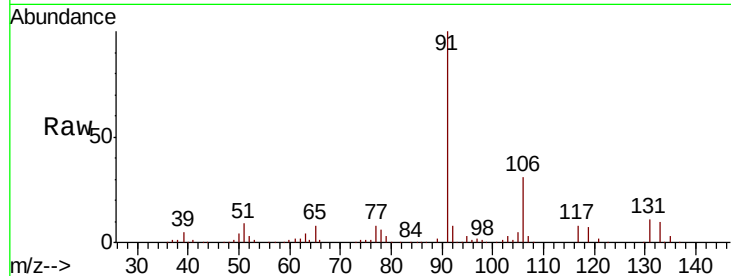




#67
Ethyl Benzene
Concen: 21.894 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD061618.D
Acq: 5 Apr 2019 13:58

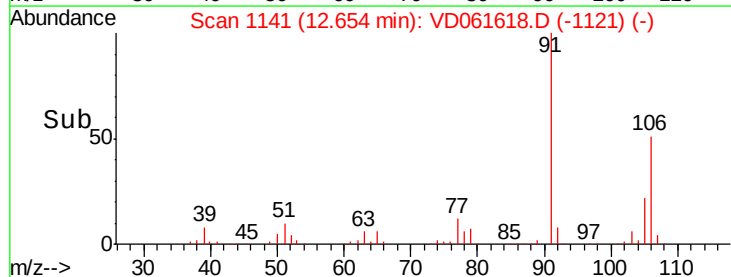
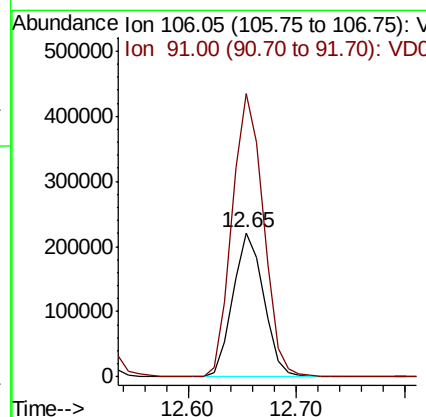
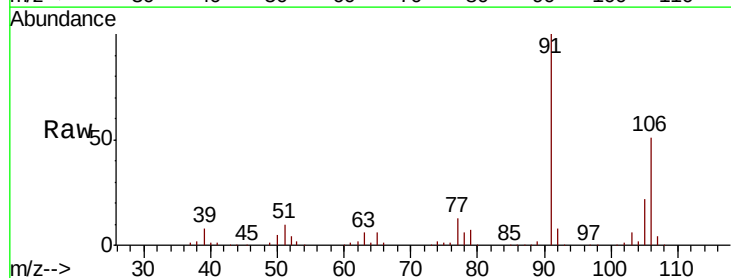
Instrument :
MSVOA_D
ClientSampleId :
VD0405SBS01

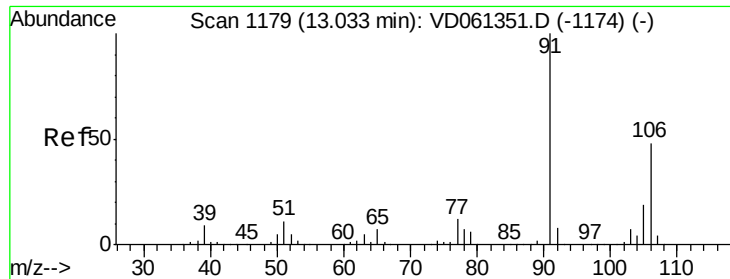
Tot Ion: 91 Resp: 565603
Ion Ratio Lower Upper
91 100
106 30.9 26.1 39.1



#68
m/p-Xylenes
Concen: 44.764 ug/l
RT: 12.65 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VD061618.D
Acq: 5 Apr 2019 13:58

Tgt Ion:106 Resp: 438053
Ion Ratio Lower Upper
106 100
91 196.8 153.1 229.7

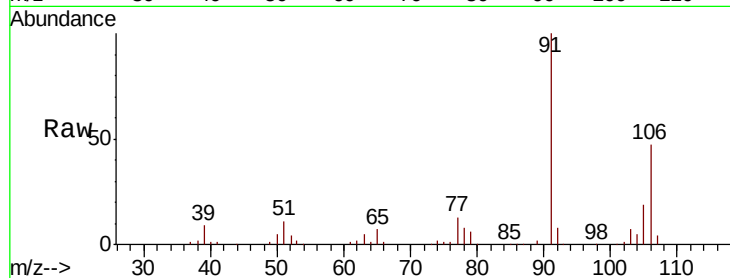




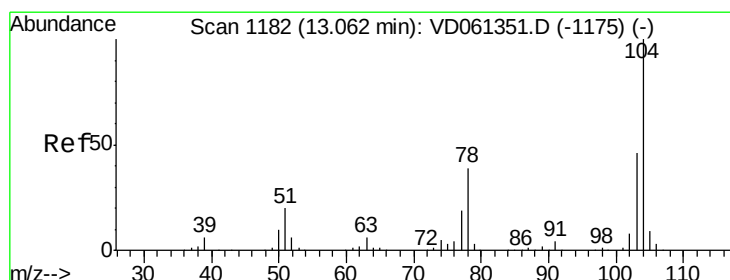
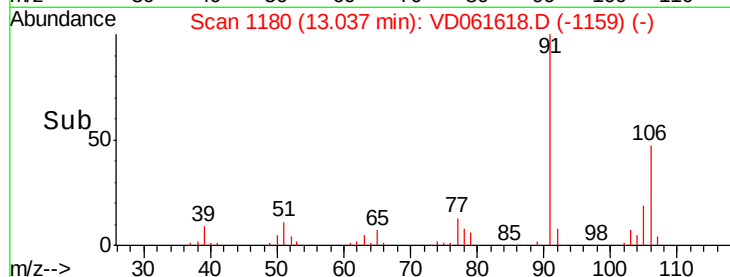
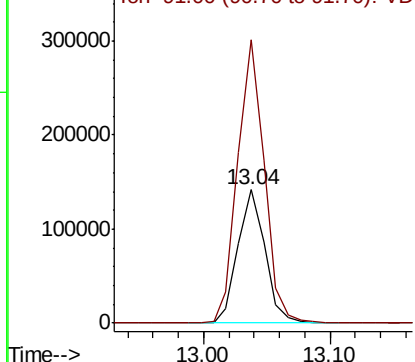
#69
o-Xylene
Concen: 22.169 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VD061618.D
Acq: 5 Apr 2019 13:58

Instrument :
MSVOA_D
ClientSampleId :
VD0405SBS01

Tot Ion:106 Resp: 210527
Ion Ratio Lower Upper
106 100
91 212.7 103.8 311.3

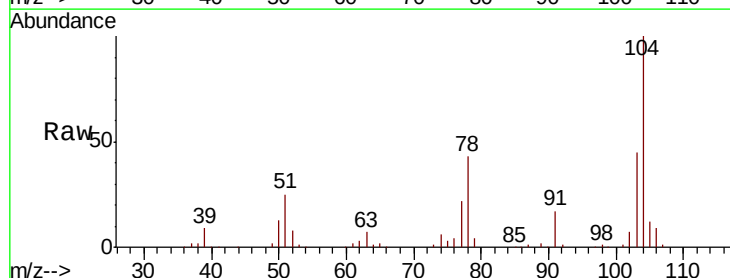


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

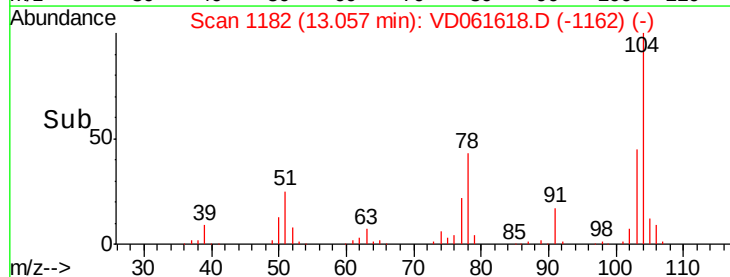
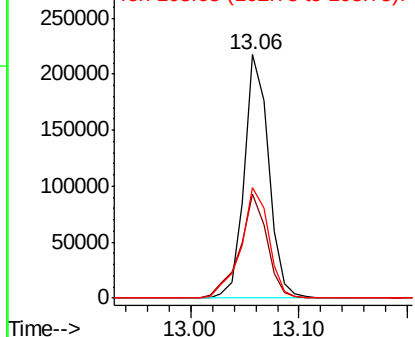


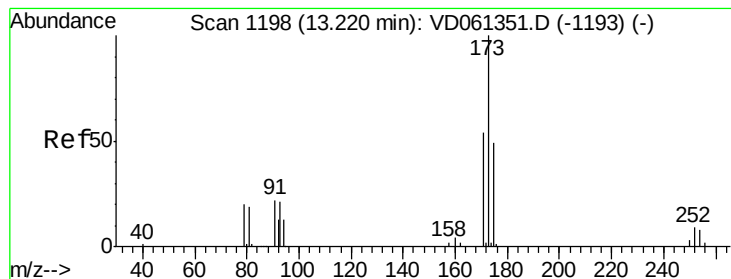
#70
Styrene
Concen: 20.575 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD061618.D
Acq: 5 Apr 2019 13:58

Tgt Ion:104 Resp: 340603
Ion Ratio Lower Upper
104 100
78 42.7 31.0 46.6
103 45.2 37.0 55.4



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





#71

Bromoform

Concen: 19.652 ug/l

RT: 13.22 min Scan# 1199

Delta R.T. 0.00 min

Lab File: VD061618.D

Acq: 5 Apr 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

VD0405SBSD01

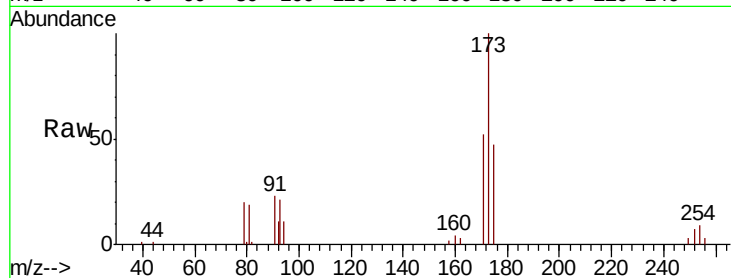
Tot Ion:173 Resp: 81634

Ion Ratio Lower Upper

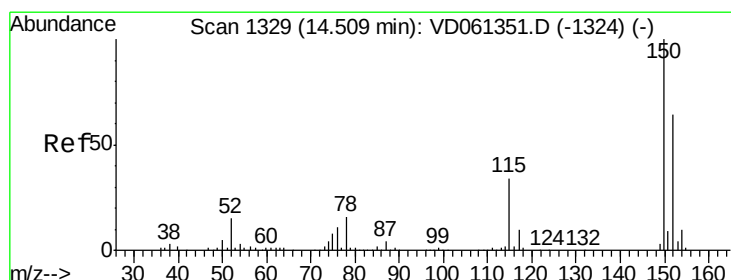
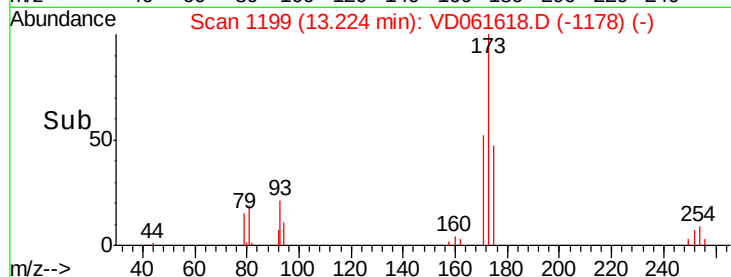
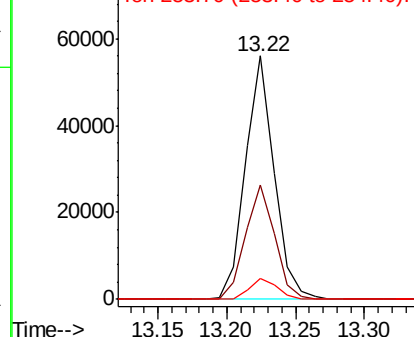
173 100

175 47.2 24.6 73.8

254 8.5 6.6 10.0



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: 50.000 ug/l

RT: 14.50 min Scan# 1329

Delta R.T. -0.01 min

Lab File: VD061618.D

Acq: 5 Apr 2019 13:58

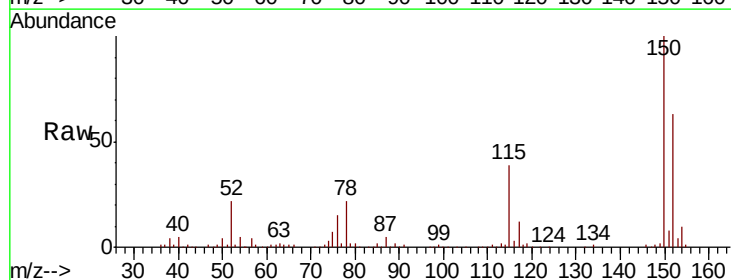
Tgt Ion:152 Resp: 363427

Ion Ratio Lower Upper

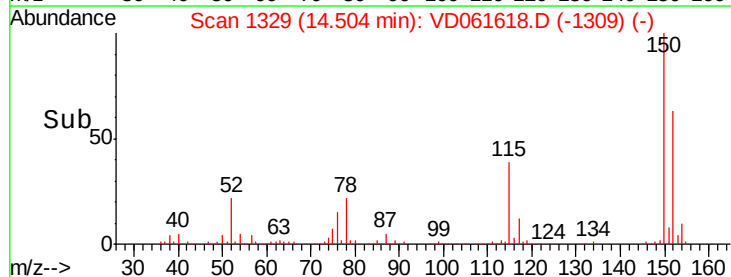
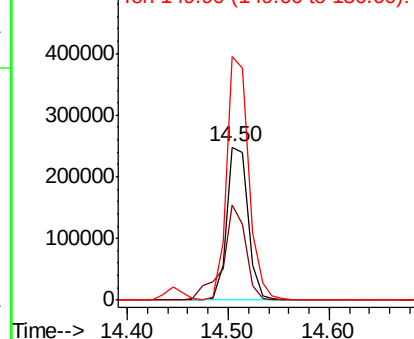
152 100

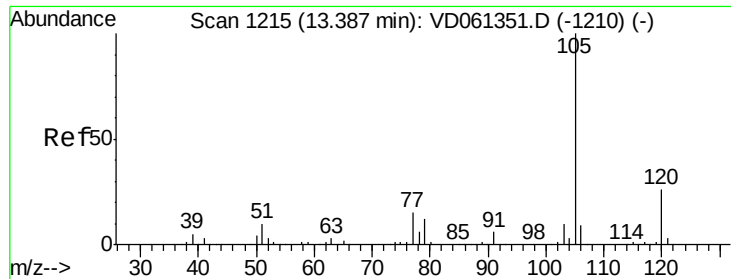
115 61.9 26.9 80.6

150 159.3 0.0 318.0



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: 22.534 ug/l

RT: 13.39 min Scan# 1216

Delta R.T. 0.00 min

Lab File: VD061618.D

Acq: 5 Apr 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

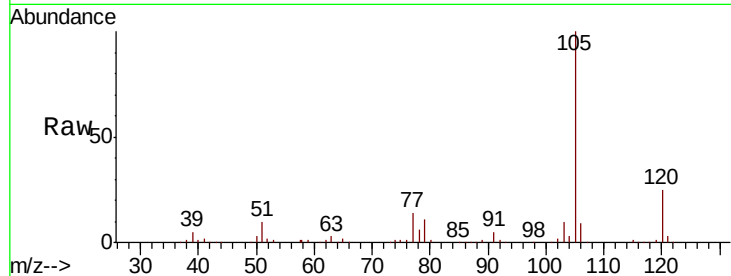
VD0405SBS01

Tot Ion:105 Resp: 569976

Ion Ratio Lower Upper

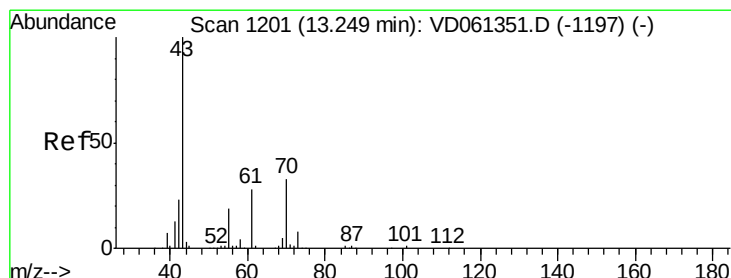
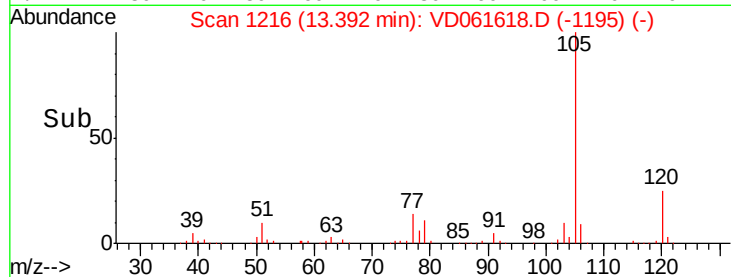
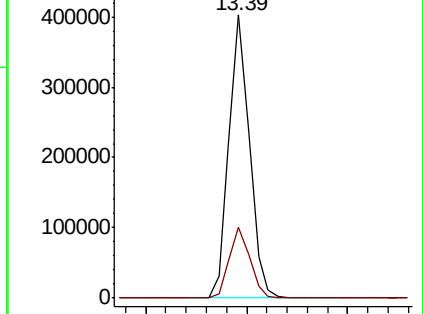
105 100

120 25.1 12.8 38.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 21.146 ug/l

RT: 13.25 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VD061618.D

Acq: 5 Apr 2019 13:58

Tgt Ion: 43 Resp: 149000

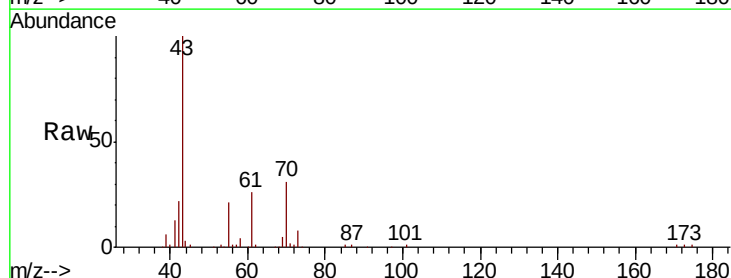
Ion Ratio Lower Upper

43 100

70 30.6 26.6 40.0

55 20.6 15.4 23.2

61 26.4 22.2 33.4

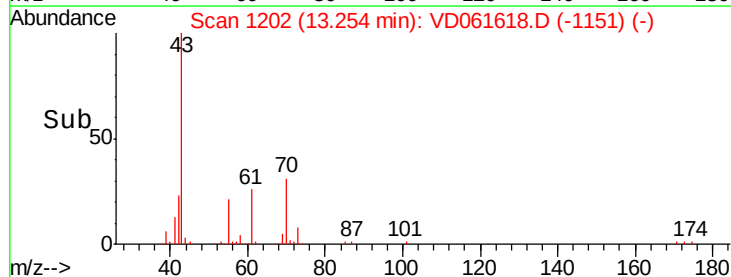
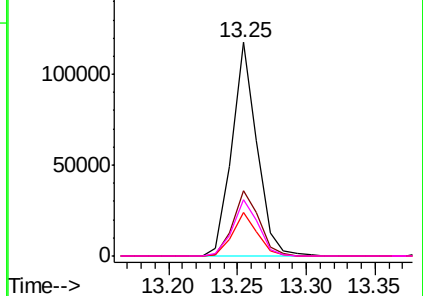


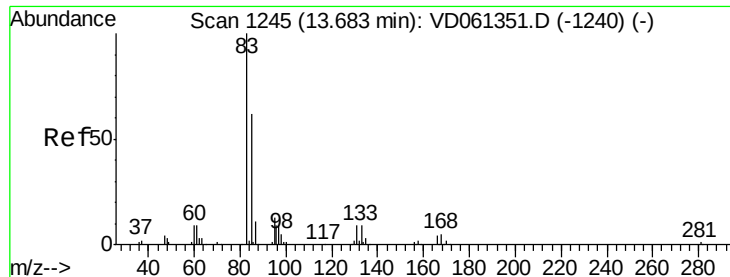
Abundance Ion 42.95 (42.65 to 43.65): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: 20.638 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. 0.00 min

Lab File: VD061618.D

Acq: 5 Apr 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

VD0405SBS01

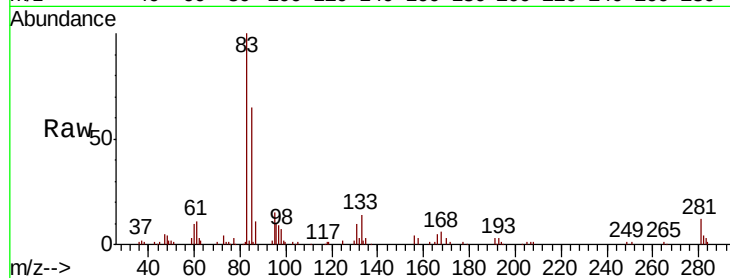
Tot Ion: 83 Resp: 110121

Ion Ratio Lower Upper

83 100

131 10.2 4.3 13.1

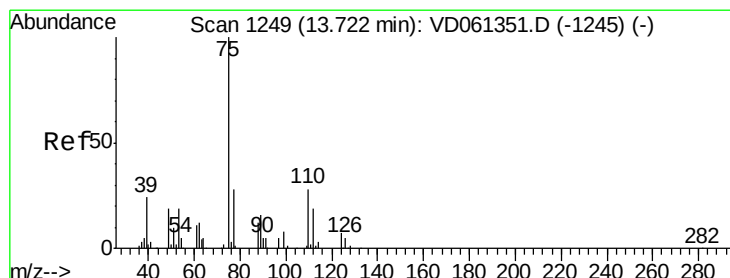
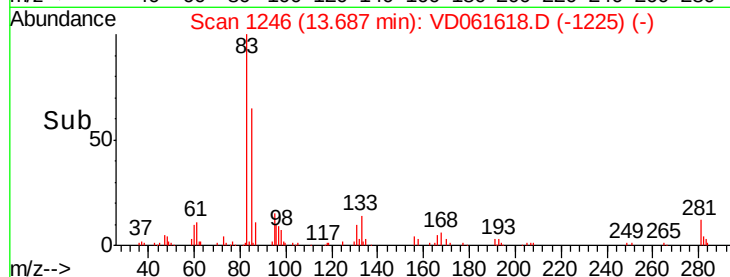
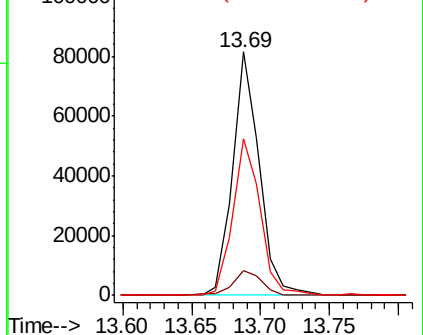
85 64.5 31.2 93.6



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: 21.490 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. -0.01 min

Lab File: VD061618.D

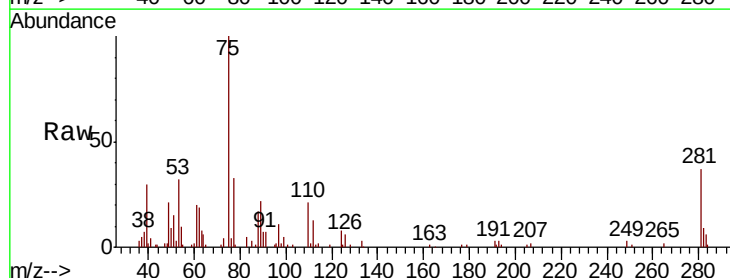
Acq: 5 Apr 2019 13:58

Tgt Ion: 75 Resp: 112817

Ion Ratio Lower Upper

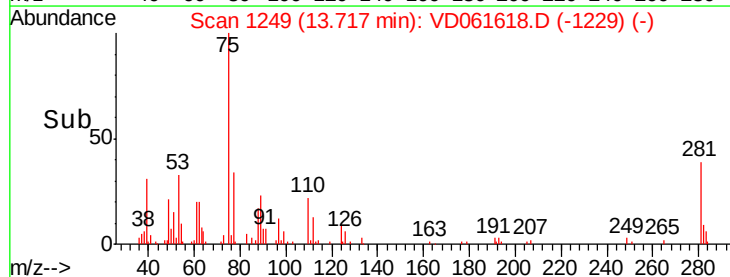
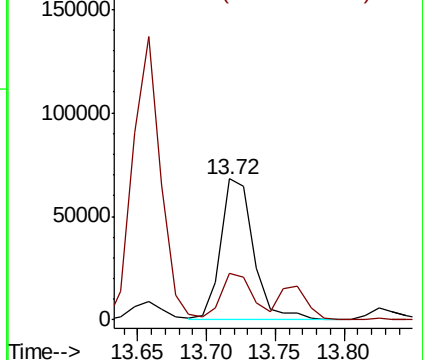
75 100

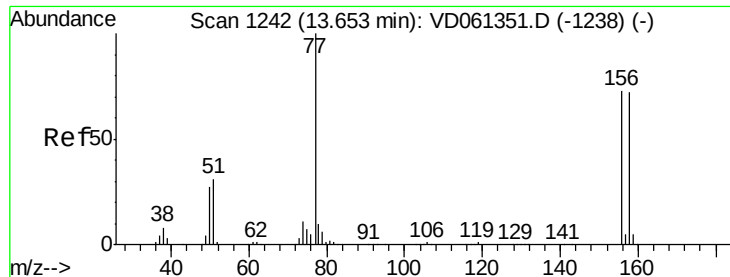
77 32.7 16.2 48.5



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 20.602 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. 0.00 min

Lab File: VD061618.D

Acq: 5 Apr 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

VD0405SBS01

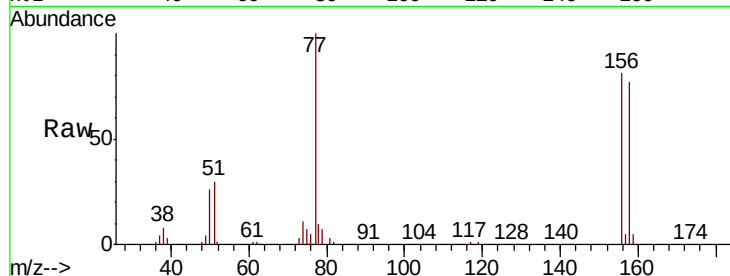
Tot Ion:156 Resp: 154488

Ion Ratio Lower Upper

156 100

77 124.0 68.5 205.6

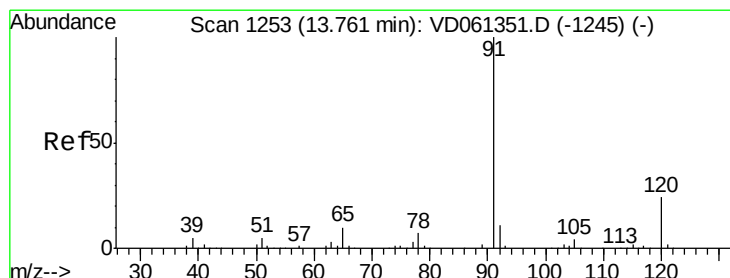
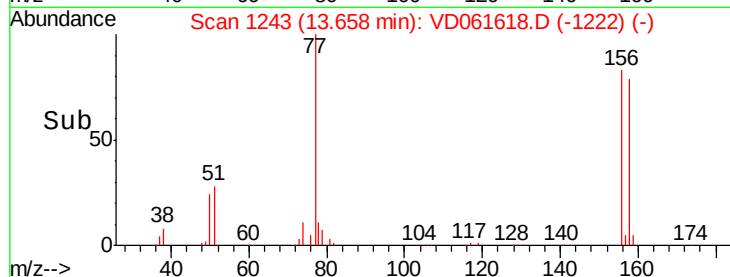
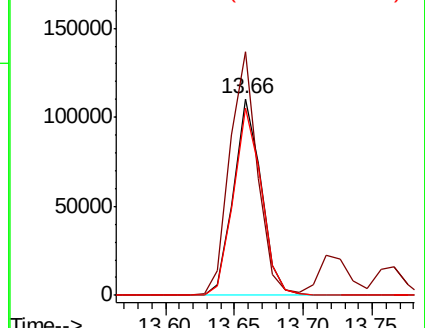
158 95.1 49.1 147.3



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: 22.092 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD061618.D

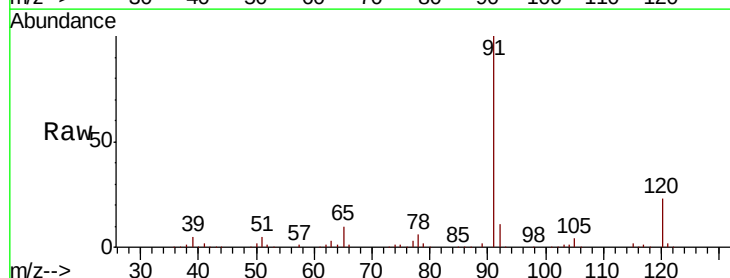
Acq: 5 Apr 2019 13:58

Tgt Ion: 91 Resp: 683836

Ion Ratio Lower Upper

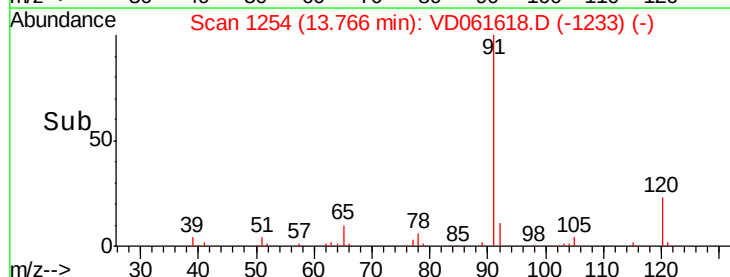
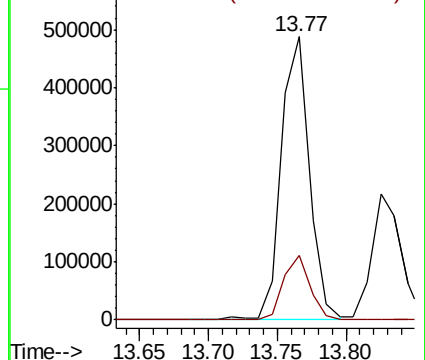
91 100

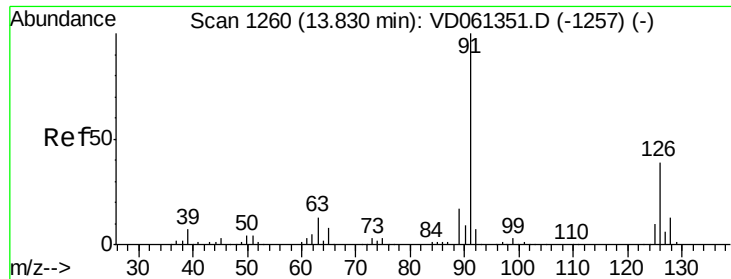
120 22.6 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

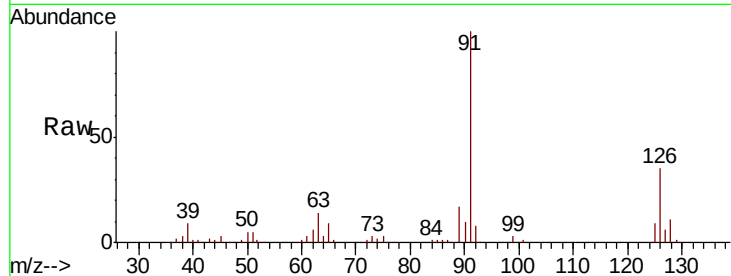




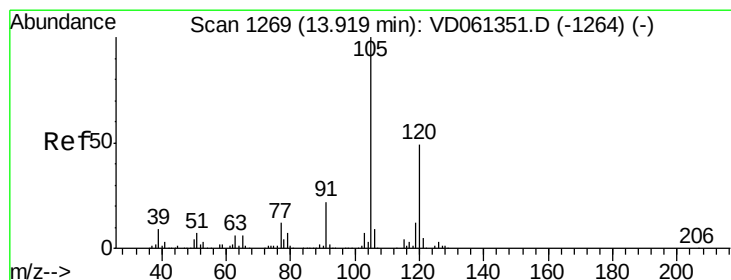
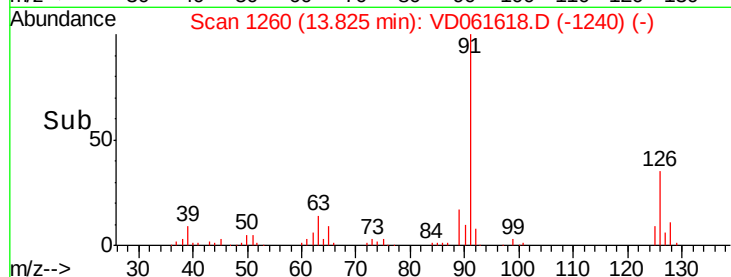
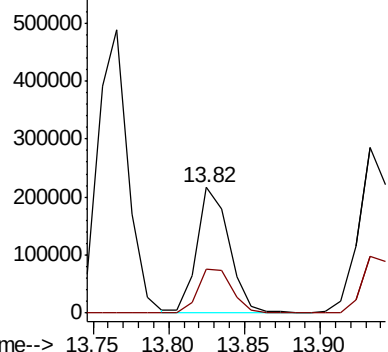
#79
 2-Chlorotoluene
 Concen: 19.116 ug/l
 RT: 13.82 min Scan# 1260
 Delta R.T. -0.01 min
 Lab File: VD061618.D
 Acq: 5 Apr 2019 13:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0405SBS01

Tot Ion: 91 Resp: 321291
 Ion Ratio Lower Upper
 91 100
 126 35.0 19.4 58.2

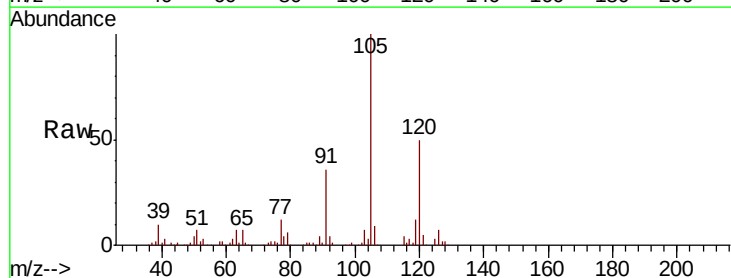


Abundance Ion 91.00 (90.70 to 91.70): VD061351.D (-1257) (-)
 Ion 125.95 (125.65 to 126.65): VD061351.D (-1257) (-)

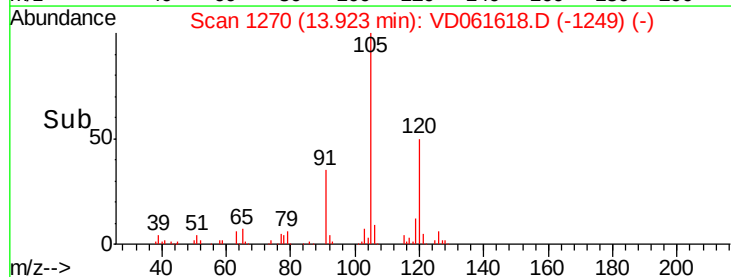
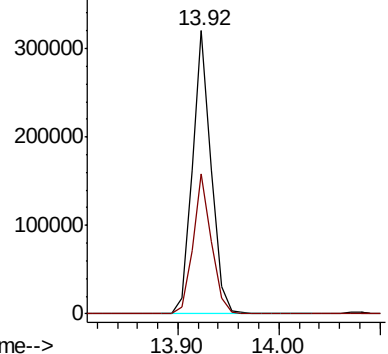


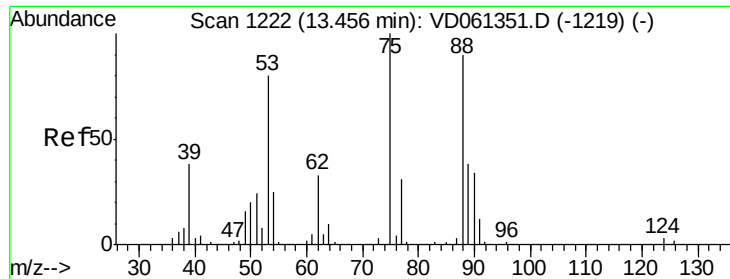
#80
 1,3,5-Trimethylbenzene
 Concen: 21.082 ug/l
 RT: 13.92 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD061618.D
 Acq: 5 Apr 2019 13:58

Tgt Ion: 105 Resp: 413747
 Ion Ratio Lower Upper
 105 100
 120 49.6 24.6 73.6



Abundance Ion 105.05 (104.75 to 105.75): VD061351.D (-1264) (-)
 Ion 120.05 (119.75 to 120.75): VD061351.D (-1264) (-)

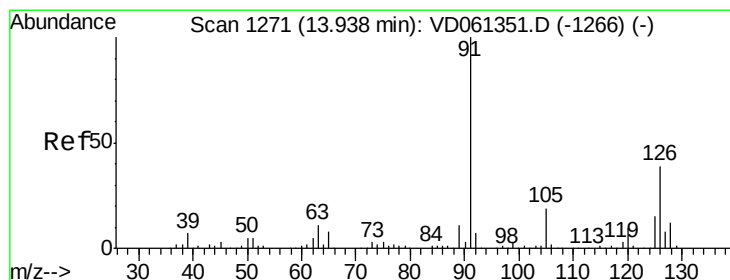
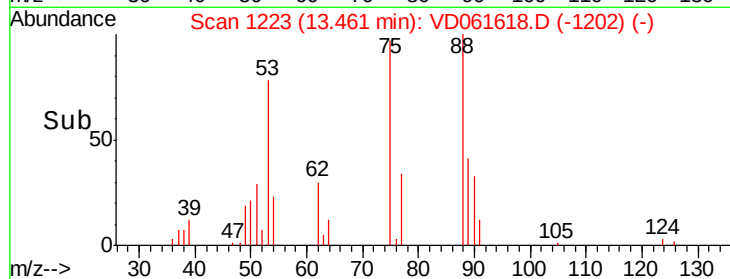
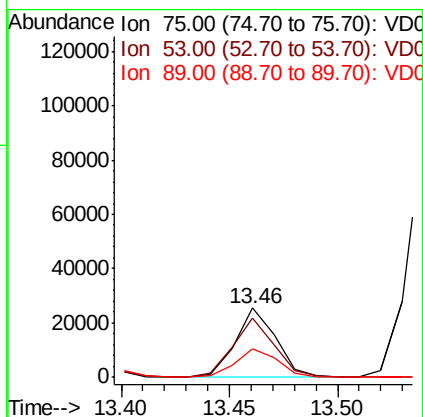
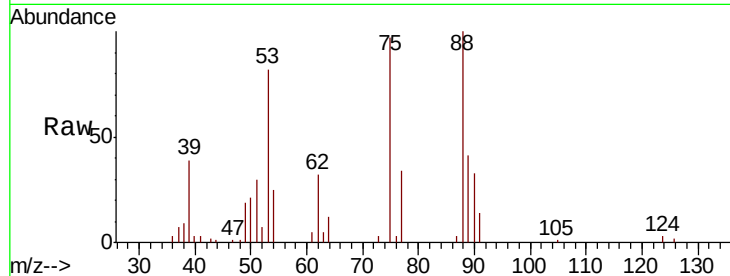




#81
trans-1,4-Dichloro-2-butene
Concen: 20.608 ug/l
RT: 13.46 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD061618.D
Acq: 5 Apr 2019 13:58

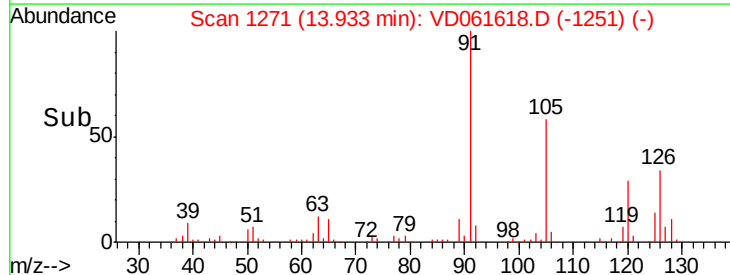
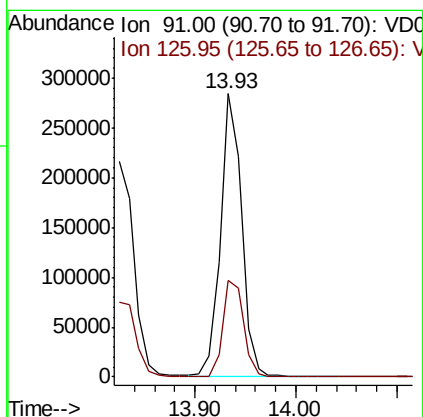
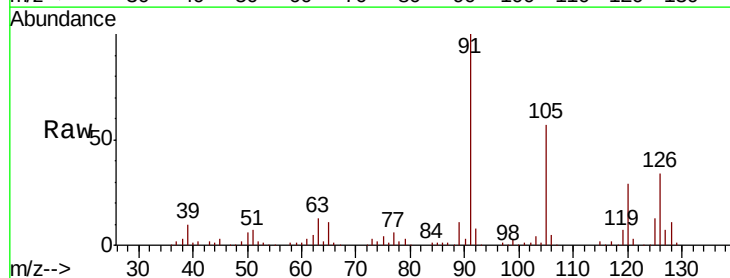
Instrument :
MSVOA_D
ClientSampleId :
VD0405SBS01

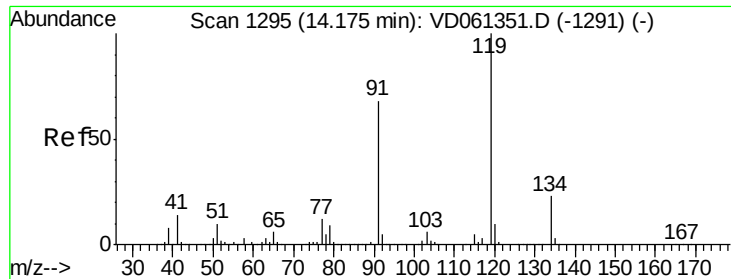
Tot Ion: 75 Resp: 32986
Ion Ratio Lower Upper
75 100
53 85.1 63.8 95.8
89 42.3 30.5 45.7



#82
4-Chlorotoluene
Concen: 22.883 ug/l
RT: 13.93 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VD061618.D
Acq: 5 Apr 2019 13:58

Tgt Ion: 91 Resp: 418197
Ion Ratio Lower Upper
91 100
126 34.1 19.6 58.8

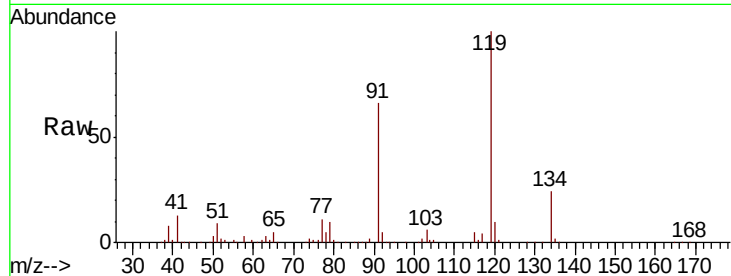




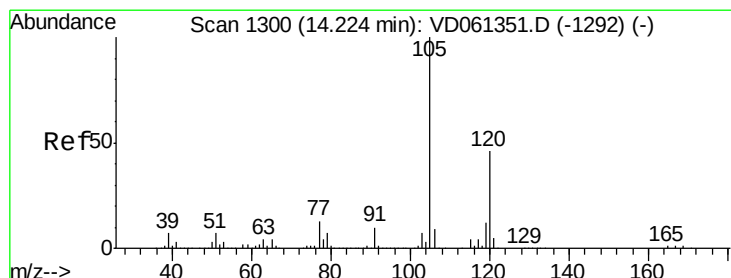
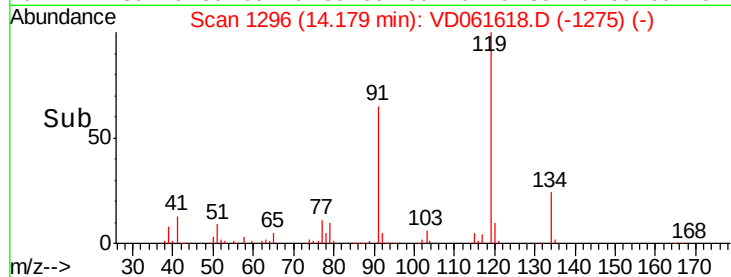
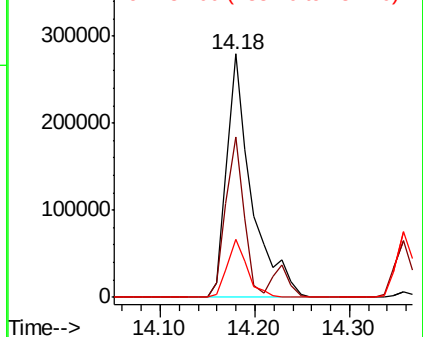
#83
 tert-Butylbenzene
 Concen: 20.762 ug/l
 RT: 14.18 min Scan# 1296
 Delta R.T. 0.00 min
 Lab File: VD061618.D
 Acq: 5 Apr 2019 13:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0405SBS01

Tot Ion:119 Resp: 509210
 Ion Ratio Lower Upper
 119 100
 91 66.1 34.1 102.3
 134 23.9 11.6 34.8

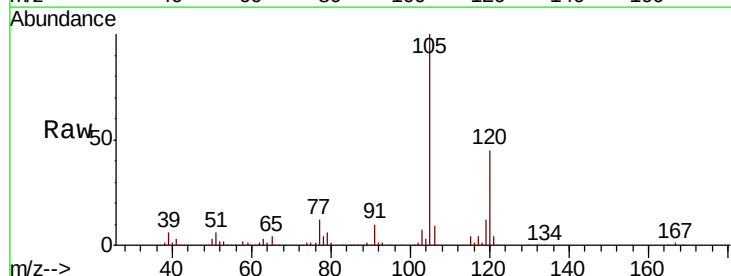


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

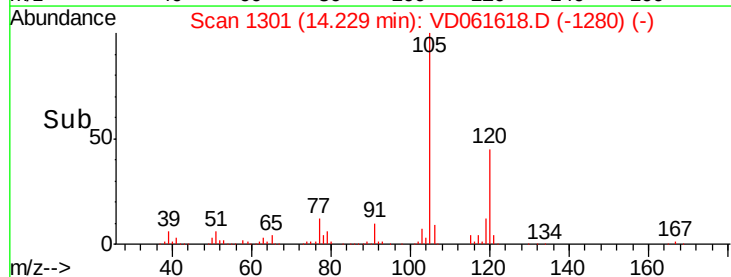
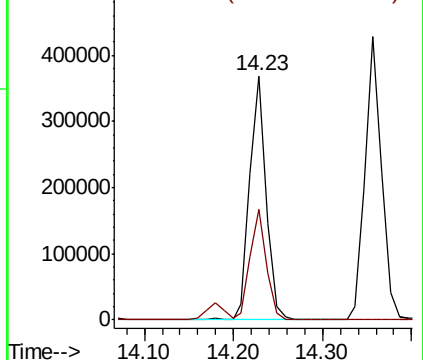


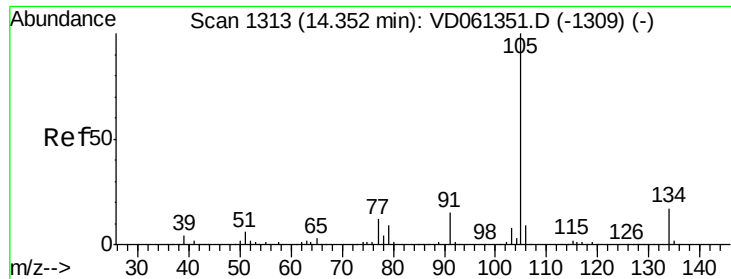
#84
 1,2,4-Trimethylbenzene
 Concen: 22.043 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. 0.00 min
 Lab File: VD061618.D
 Acq: 5 Apr 2019 13:58

Tgt Ion:105 Resp: 468351
 Ion Ratio Lower Upper
 105 100
 120 45.4 22.8 68.4



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





#85

sec-Butylbenzene

Concen: 20.858 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. 0.00 min

Lab File: VD061618.D

Acq: 5 Apr 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

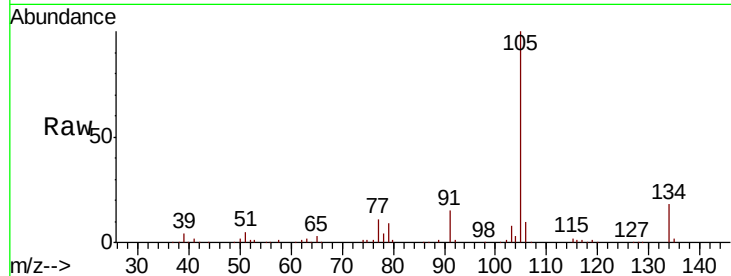
VD0405SBS01

Tot Ion:105 Resp: 543459

Ion Ratio Lower Upper

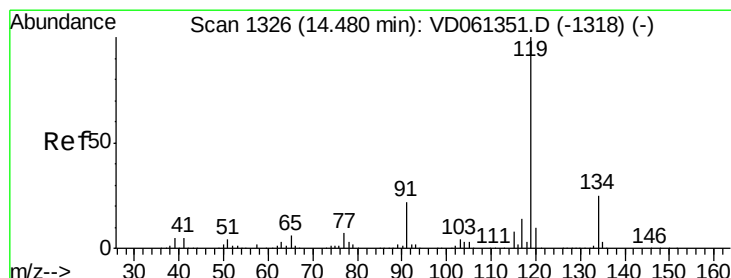
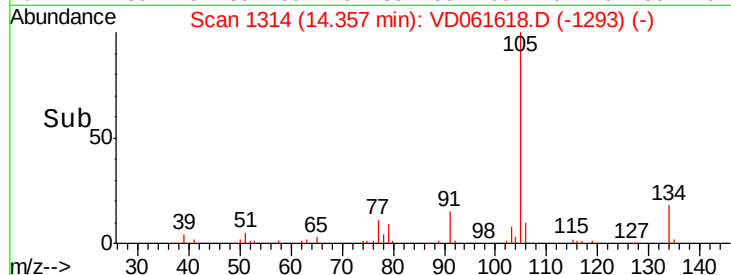
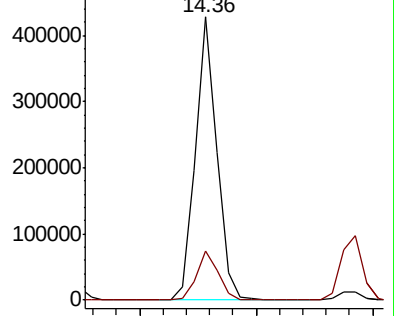
105 100

134 17.6 8.7 26.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 23.596 ug/l

RT: 14.48 min Scan# 1327

Delta R.T. 0.00 min

Lab File: VD061618.D

Acq: 5 Apr 2019 13:58

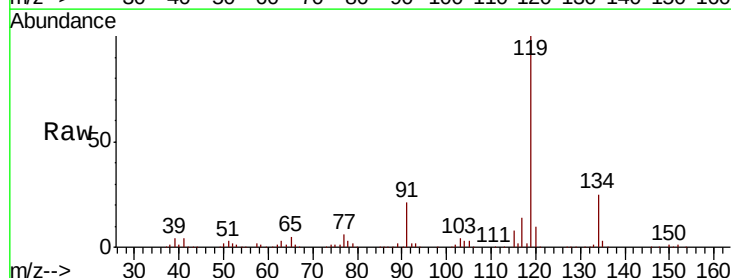
Tgt Ion:119 Resp: 519881

Ion Ratio Lower Upper

119 100

134 25.3 12.3 36.8

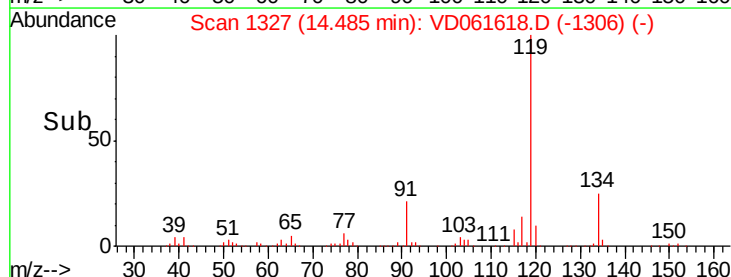
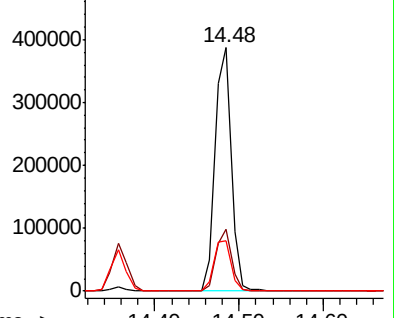
91 20.8 11.1 33.1

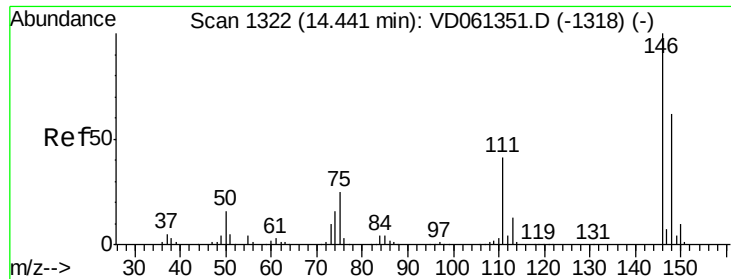


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

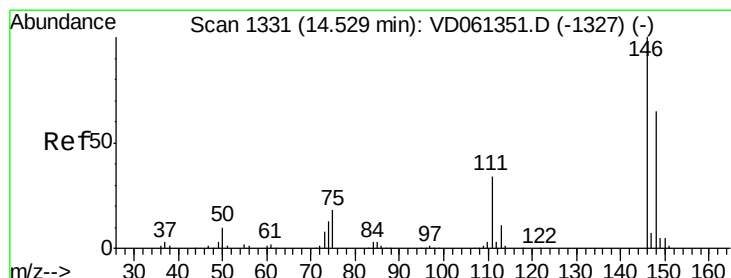
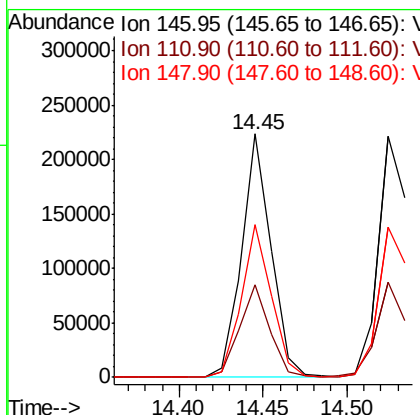
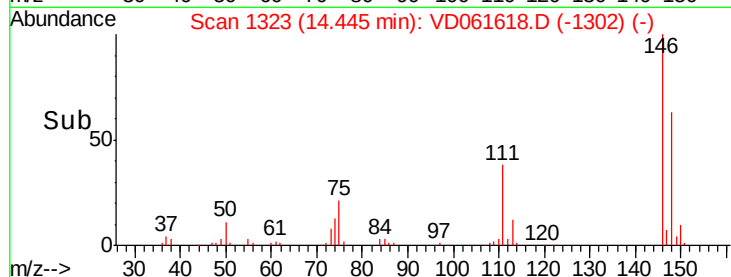
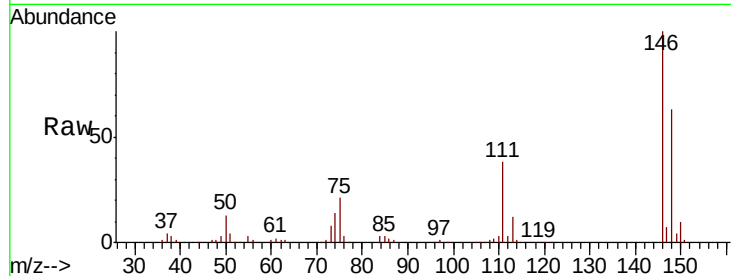




#87
 1,3-Dichlorobenzene
 Concen: 21.320 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VD061618.D
 Acq: 5 Apr 2019 13:58

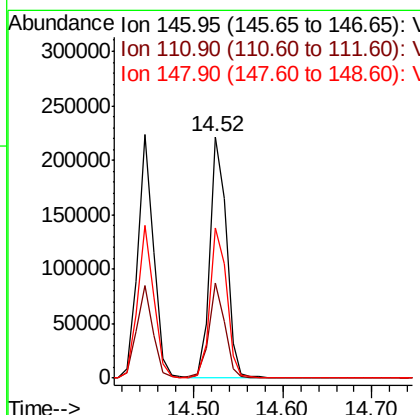
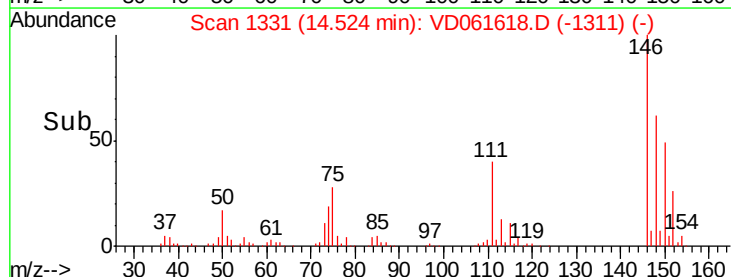
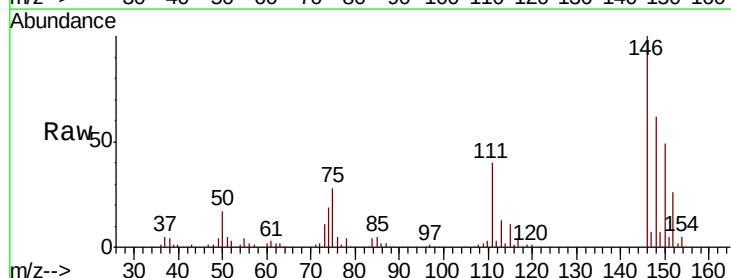
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0405SBSD01

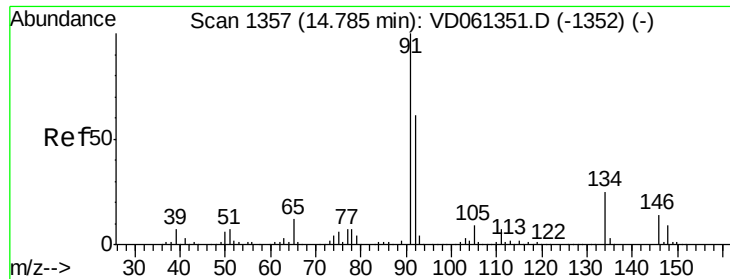
Tot Ion:146 Resp: 270721
 Ion Ratio Lower Upper
 146 100
 111 37.8 20.6 61.9
 148 62.7 31.1 93.3



#88
 1,4-Dichlorobenzene
 Concen: 22.903 ug/l
 RT: 14.52 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD061618.D
 Acq: 5 Apr 2019 13:58

Tgt Ion:146 Resp: 283616
 Ion Ratio Lower Upper
 146 100
 111 39.7 16.8 50.4
 148 62.3 32.6 98.0





#89

n-Butylbenzene

Concen: 22.131 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VD061618.D

Acq: 5 Apr 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

VD0405SBS01

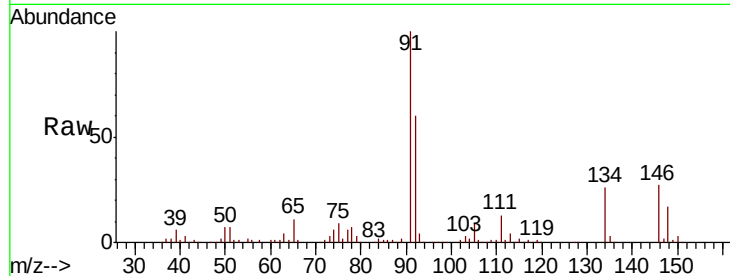
Tot Ion: 91 Resp: 447540

Ion Ratio Lower Upper

91 100

92 60.0 30.3 91.0

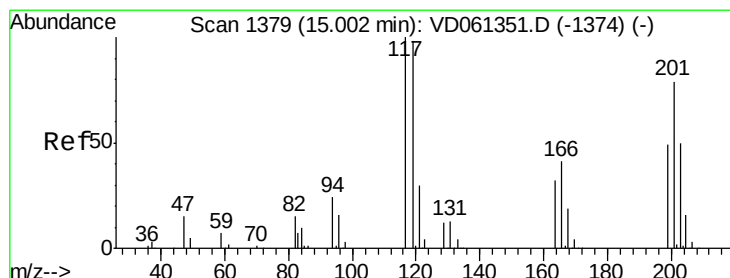
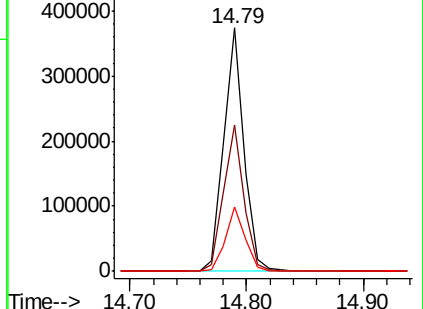
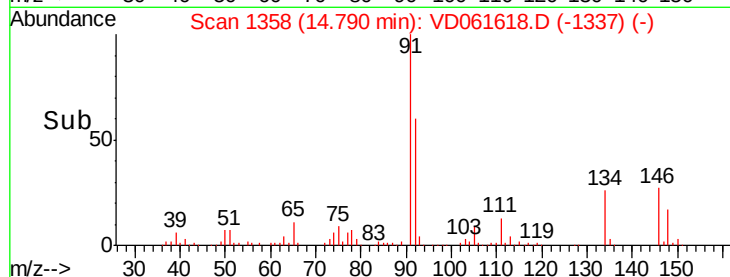
134 26.5 12.4 37.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 22.243 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.01 min

Lab File: VD061618.D

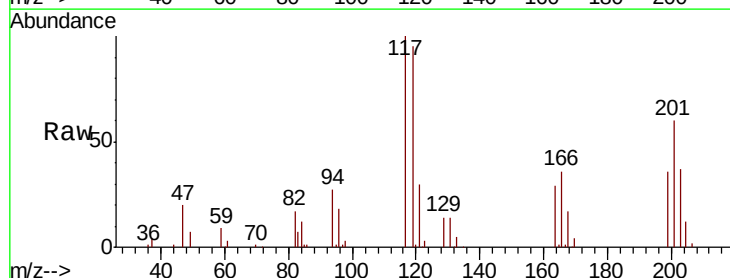
Acq: 5 Apr 2019 13:58

Tgt Ion: 117 Resp: 138449

Ion Ratio Lower Upper

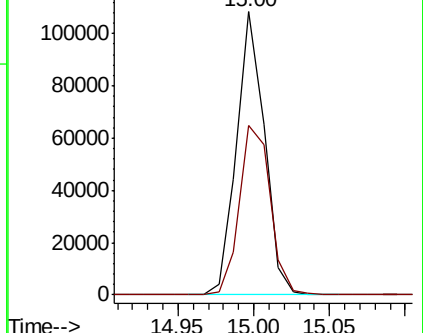
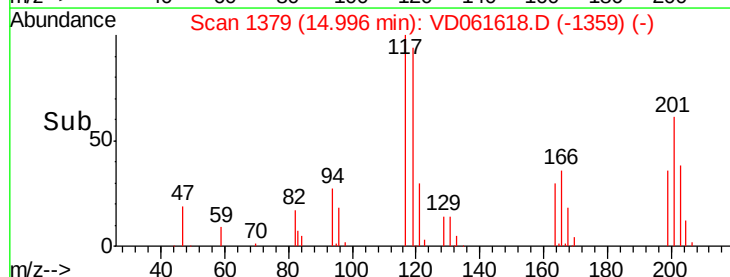
117 100

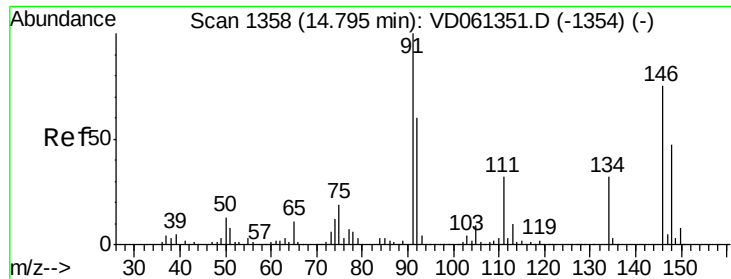
201 60.1 39.6 119.0



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V





#91

1,2-Dichlorobenzene

Concen: 22.841 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VD061618.D

Acq: 5 Apr 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

VD0405SBS01

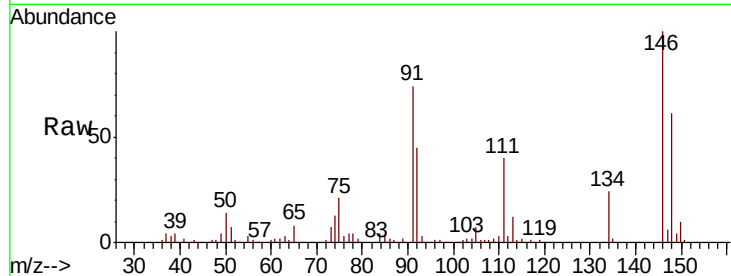
Tot Ion:146 Resp: 237906

Ion Ratio Lower Upper

146 100

111 39.5 21.2 63.6

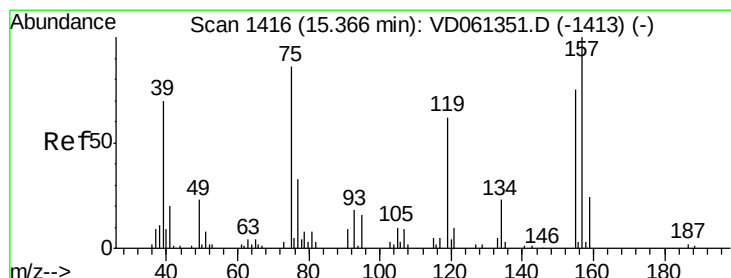
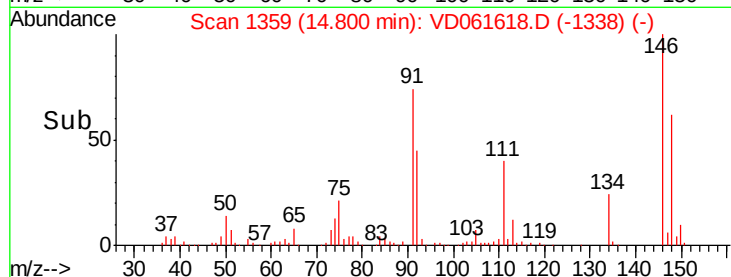
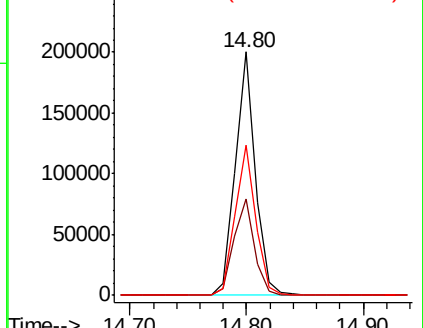
148 61.4 31.6 95.0



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: 18.082 ug/l

RT: 15.37 min Scan# 1417

Delta R.T. 0.00 min

Lab File: VD061618.D

Acq: 5 Apr 2019 13:58

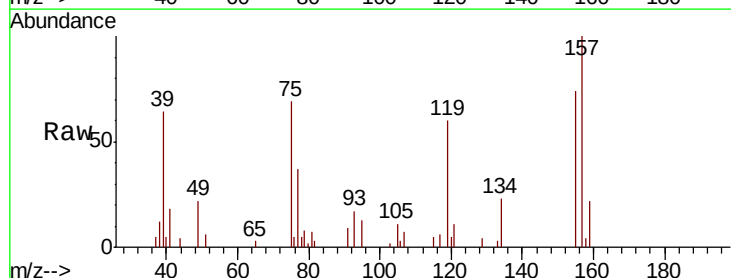
Tgt Ion: 75 Resp: 11316

Ion Ratio Lower Upper

75 100

155 106.9 43.6 130.9

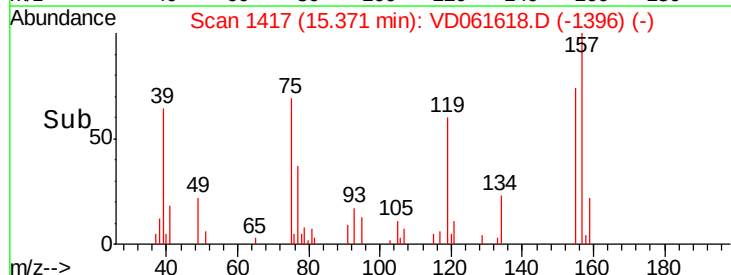
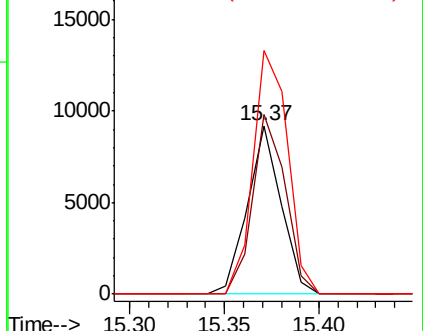
157 144.5 58.5 175.3

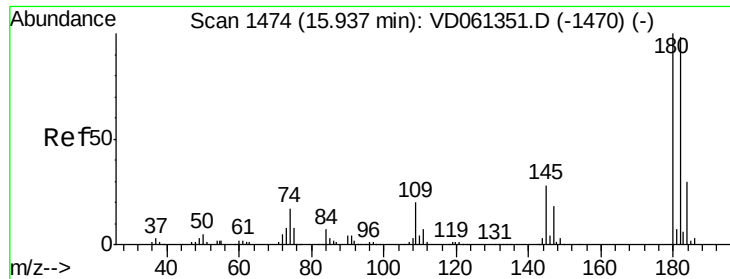


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

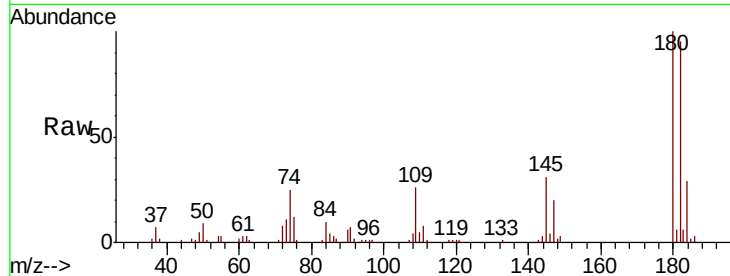




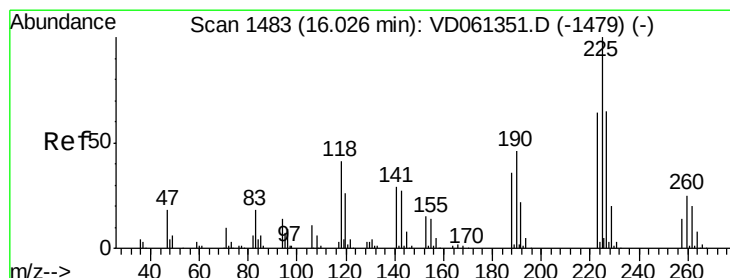
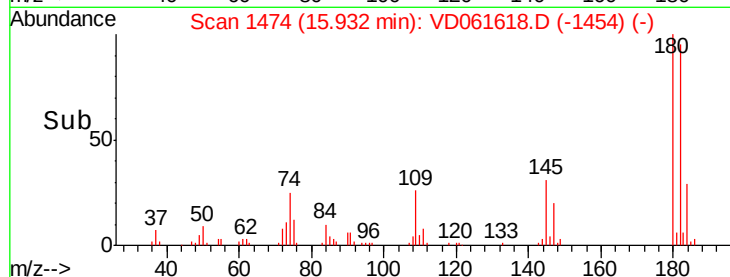
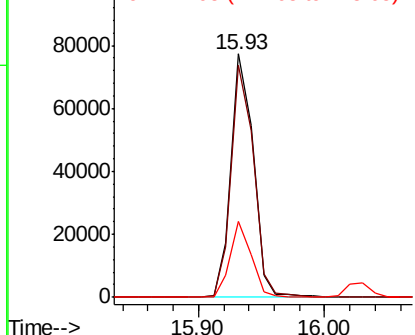
#93
 1,2,4-Trichlorobenzene
 Concen: 19.959 ug/l
 RT: 15.93 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD061618.D
 Acq: 5 Apr 2019 13:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0405SBS01

Tot Ion:180 Resp: 94698
 Ion Ratio Lower Upper
 180 100
 182 95.2 48.9 146.8
 145 31.0 14.1 42.3

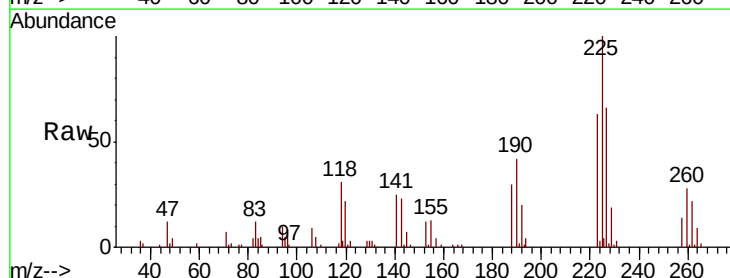


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

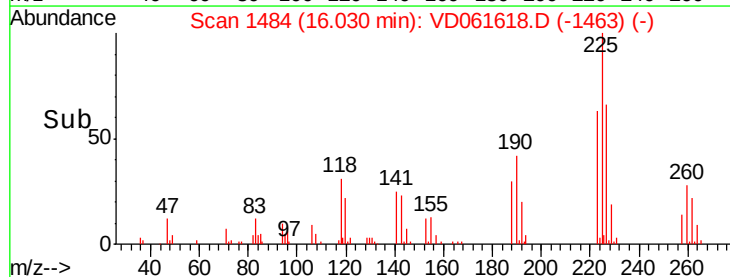
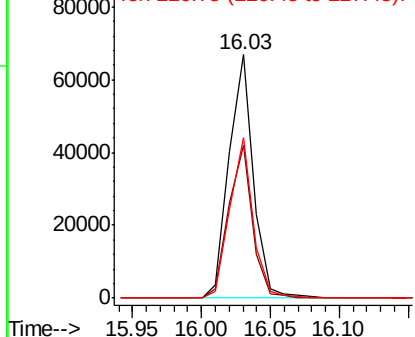


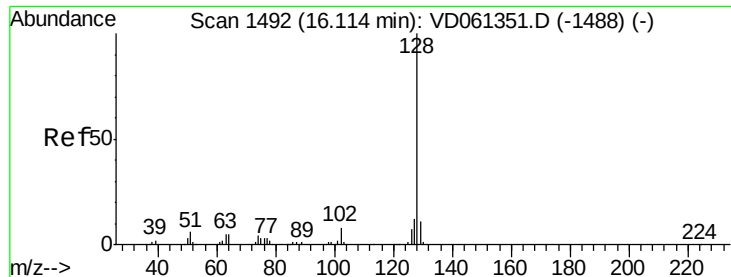
#94
 Hexachlorobutadiene
 Concen: 22.035 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD061618.D
 Acq: 5 Apr 2019 13:58

Tgt Ion:225 Resp: 81698
 Ion Ratio Lower Upper
 225 100
 223 62.9 32.0 96.0
 227 65.8 32.4 97.2



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

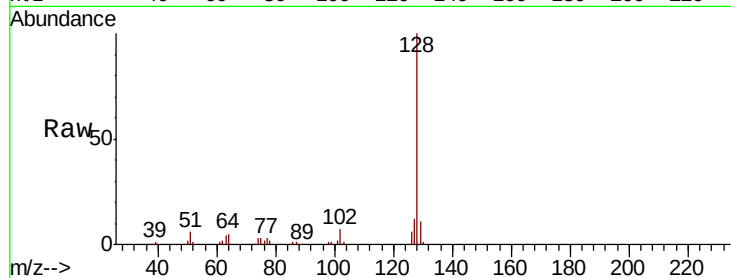




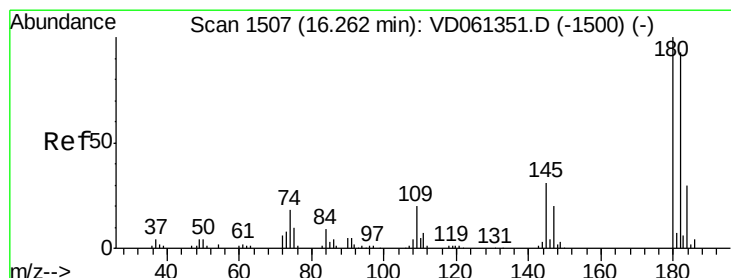
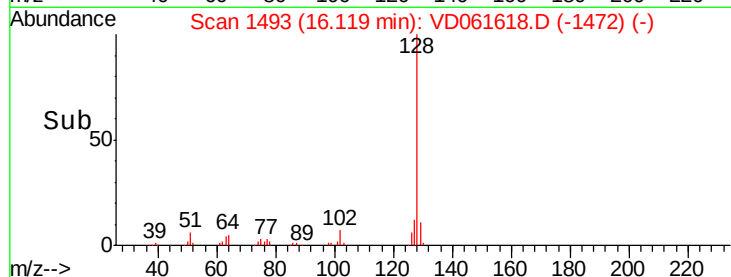
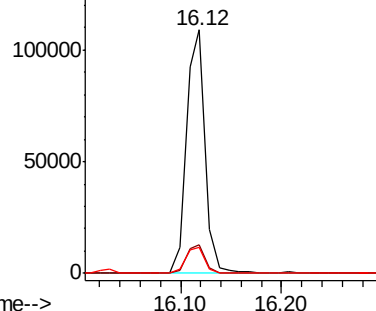
#95
Naphthalene
Concen: 19.569 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD061618.D
Acq: 5 Apr 2019 13:58

Instrument :
MSVOA_D
ClientSampleId :
VD0405SBSD01

Tot Ion:128 Resp: 141524
Ion Ratio Lower Upper
128 100
127 11.9 9.9 14.9
129 10.6 8.9 13.3

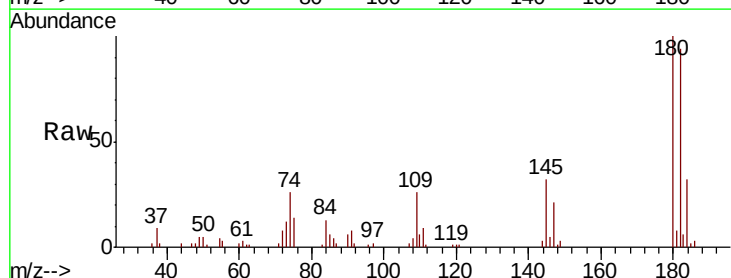


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 21.118 ug/l
RT: 16.26 min Scan# 1507
Delta R.T. -0.01 min
Lab File: VD061618.D
Acq: 5 Apr 2019 13:58

Tgt Ion:180 Resp: 44092
Ion Ratio Lower Upper
180 100
182 93.7 46.4 139.1
145 32.1 15.3 45.9



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

