

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW103118\
 Data File : VW006515.D
 Acq On : 30 Oct 2018 21:02
 Operator : SY/AP
 Sample : J5649-08MSD
 Misc : 3.89G/5ML/MSVOA W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 DL-03AMSD

Quant Time: Oct 31 03:51:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	150170	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	195906	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	138135	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	41293	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	67178	53.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.92%	
35) Dibromofluoromethane	7.89	113	74486	64.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	128.70%	
50) Toluene-d8	10.33	98	241889	54.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.84%	
62) 4-Bromofluorobenzene	12.62	95	54685	33.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	66.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	52163	70.194	ug/l	99
3) Chloromethane	2.21	50	64981	67.931	ug/l	100
4) Vinyl Chloride	2.37	62	88792	64.998	ug/l	98
5) Bromomethane	2.79	94	81109	65.279	ug/l	96
6) Chloroethane	2.93	64	68048	69.509	ug/l	99
7) Trichlorofluoromethane	3.26	101	94905	74.576	ug/l	98
8) Diethyl Ether	3.68	74	47257	69.872	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	94119	70.572	ug/l	100
10) Methyl Iodide	4.26	142	147202	66.314	ug/l	98
11) Tert butyl alcohol	5.23	59	25659	306.445	ug/l #	84
12) 1,1-Dichloroethene	4.03	96	78932	62.908	ug/l	88
13) Acrolein	3.90	56	18136	223.843	ug/l	96
14) Allyl chloride	4.67	41	104344	58.161	ug/l	98
15) Acrylonitrile	5.38	53	78855	325.061	ug/l	100
16) Acetone	4.14	43	77436	336.667	ug/l	97
17) Carbon Disulfide	4.37	76	149400	39.453	ug/l	100
18) Methyl Acetate	4.67	43	46593	74.366	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	150621	78.815	ug/l	95
20) Methylene Chloride	4.92	84	92808	71.139	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	73958	52.808	ug/l	99
22) Diisopropyl ether	6.32	45	275304	77.653	ug/l	96
23) Vinyl Acetate	6.26	43	589523	281.761	ug/l	99
24) 1,1-Dichloroethane	6.22	63	164305	71.823	ug/l	99
25) 2-Butanone	7.18	43	105748	314.414	ug/l	96
26) 2,2-Dichloropropane	7.17	77	112352	69.634	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	91153	58.979	ug/l	99
28) Bromochloromethane	7.52	49	53311	60.363	ug/l	90
29) Tetrahydrofuran	7.54	42	70361	340.342	ug/l	96
30) Chloroform	7.68	83	173142	69.468	ug/l	98
31) Cyclohexane	7.96	56	129667	56.917	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	160523	71.398	ug/l	99
36) 1,1-Dichloropropene	8.09	75	102982	57.031	ug/l	99
37) Ethyl Acetate	7.26	43	47422	70.685	ug/l	99
38) Carbon Tetrachloride	8.07	117	147108	74.316	ug/l	97

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	128884	53.695	ug/l	98
40) Benzene	8.33	78	354281	71.526	ug/l	99
41) Methacrylonitrile	7.49	41	29711	73.462	ug/l	97
42) 1,2-Dichloroethane	8.40	62	101246	69.573	ug/l	99
43) Isopropyl Acetate	8.43	43	99920	72.842	ug/l	98
44) Trichloroethene	9.09	130	85532	56.285	ug/l	98
45) 1,2-Dichloropropane	9.37	63	87924	74.181	ug/l	99
46) Dibromomethane	9.46	93	43542	64.455	ug/l	97
47) Bromodichloromethane	9.65	83	113401	69.239	ug/l	98
48) Methyl methacrylate	9.44	41	42439	65.269	ug/l	95
49) 1,4-Dioxane	9.48	88	15077	1449.745	ug/l #	100
51) 4-Methyl-2-Pentanone	10.21	43	249963	363.695	ug/l	97
52) Toluene	10.39	92	207376	62.449	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	78977	48.399	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	107833	57.578	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	70357	74.424	ug/l	98
56) Ethyl methacrylate	10.65	69	76939	66.388	ug/l	97
57) 1,3-Dichloropropane	10.94	76	103384	66.063	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	120185	271.398	ug/l	97
59) 2-Hexanone	10.98	43	150871	307.517	ug/l	96
60) Dibromochloromethane	11.13	129	78444	66.618	ug/l	100
61) 1,2-Dibromoethane	11.24	107	57165	60.519	ug/l	98
64) Tetrachloroethene	10.87	164	74331	69.316	ug/l	99
65) Chlorobenzene	11.66	112	189367	64.039	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	103545	98.531	ug/l	99
67) Ethyl Benzene	11.74	91	360708	70.386	ug/l	100
68) m/p-Xylenes	11.84	106	275541	136.033	ug/l	98
69) o-Xylene	12.17	106	147585	76.453	ug/l	99
70) Styrene	12.19	104	171558	54.652	ug/l	97
71) Bromoform	12.35	173	45227	77.159	ug/l #	99
73) Isopropylbenzene	12.47	105	384919	131.947	ug/l	99
74) N-amyl acetate	12.28	43	64895	114.533	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.72	83	73670	166.037	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	78576	249.133	ug/l #	100
77) Bromobenzene	12.75	156	70818	99.112	ug/l	98
78) n-propylbenzene	12.81	91	324879	95.723	ug/l	100
79) 2-Chlorotoluene	12.90	91	197638	103.642	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	295714	120.244	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	15103	114.466	ug/l	99
82) 4-Chlorotoluene	12.99	91	153656	76.922	ug/l	100
83) tert-Butylbenzene	13.21	119	303038	137.725	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	270872	108.846	ug/l	100
85) sec-Butylbenzene	13.39	105	322179	103.645	ug/l	100
86) p-Isopropyltoluene	13.51	119	270532	96.219	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	94200	66.244	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	85227	60.195	ug/l	99
89) n-Butylbenzene	13.83	91	137804	53.592	ug/l	99
90) Hexachloroethane	14.10	117	64318	135.052	ug/l	96
91) 1,2-Dichlorobenzene	13.88	146	101607	80.104	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	10129	127.505	ug/l	91

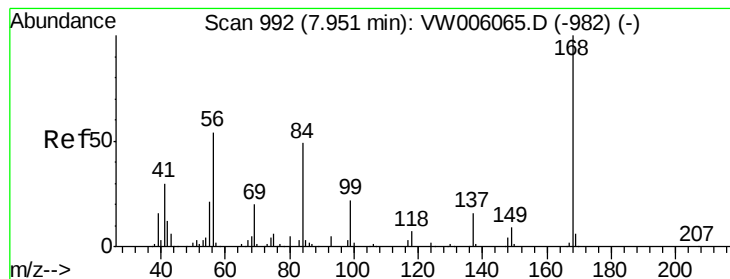
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Quant Title : SW846 8260
QLast Update : Thu Oct 18 17:01:24 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	29635	30.364	ug/l	99
94) Hexachlorobutadiene	15.25	225	38084	62.116	ug/l	98
95) Naphthalene	15.38	128	79479	48.953	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	31776	37.641	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW006515.D

Acq: 30 Oct 2018 21:02

Instrument :

MSVOA_W

ClientSampled :

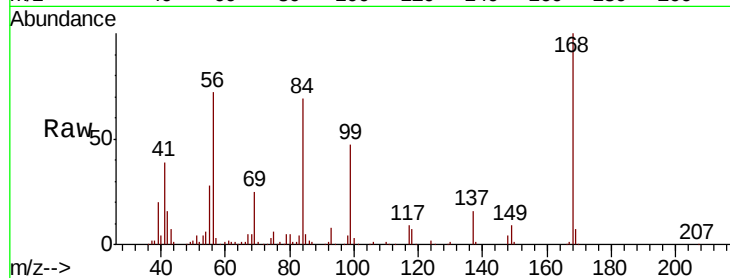
DL-03AMSD

Tot Ion:168 Resp: 150170

Ion Ratio Lower Upper

168 100

99 47.3 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

60000

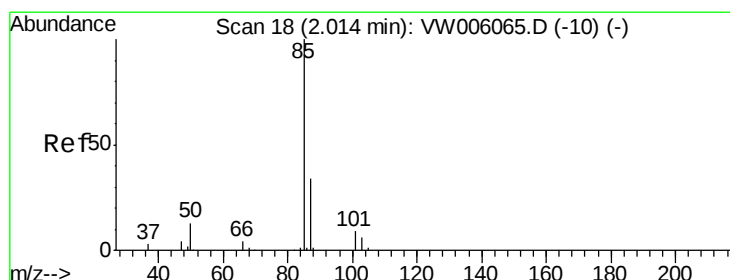
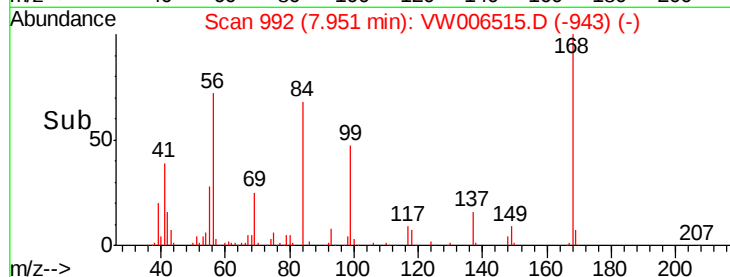
40000

20000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 70.194 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW006515.D

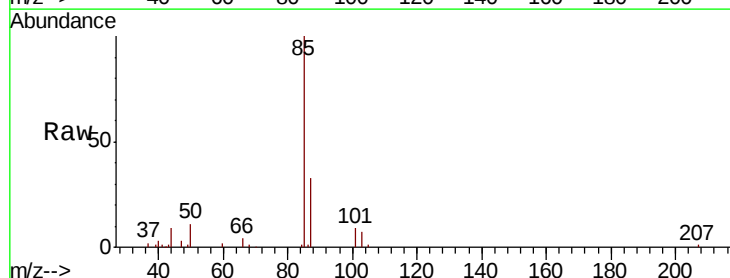
Acq: 30 Oct 2018 21:02

Tgt Ion: 85 Resp: 52163

Ion Ratio Lower Upper

85 100

87 32.9 16.9 50.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

15000

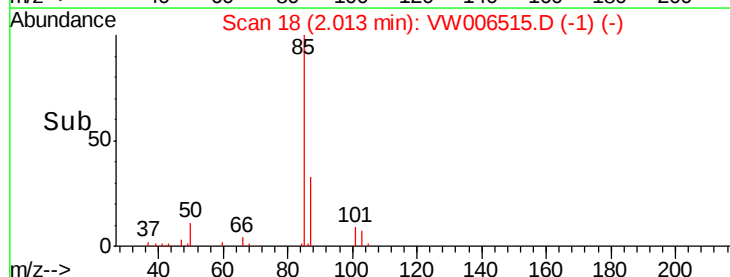
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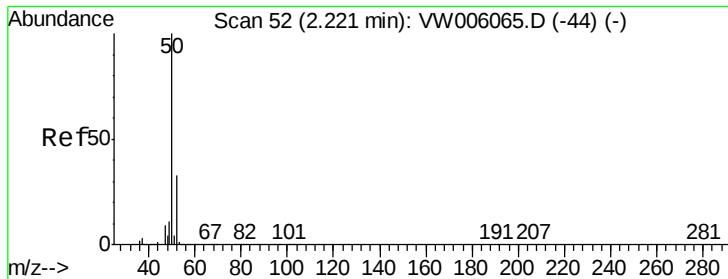
5000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 67.931 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW006515.D

Acq: 30 Oct 2018 21:02

Instrument :

MSVOA_W

ClientSampleId :

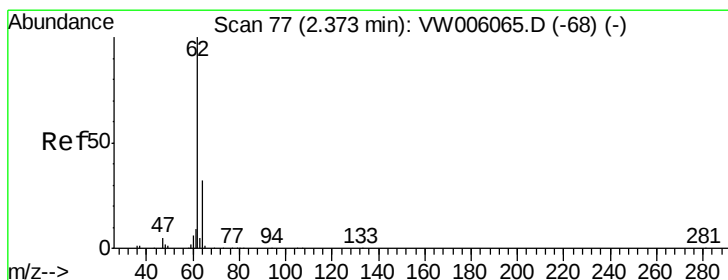
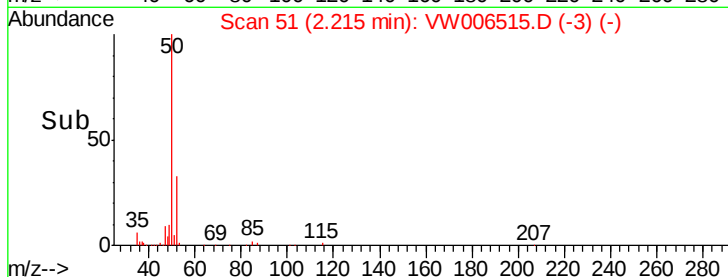
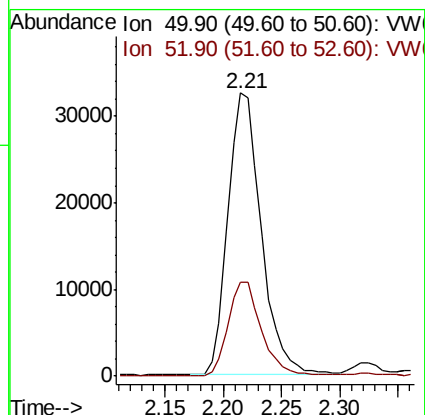
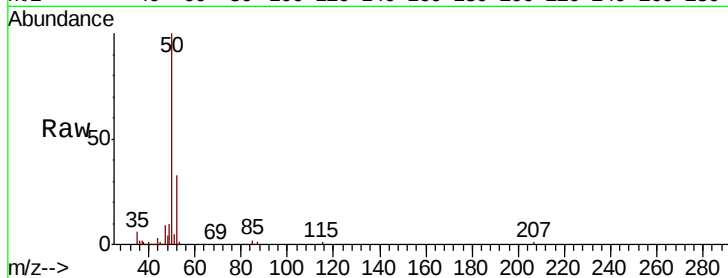
DL-03AMSD

Tot Ion: 50 Resp: 64981

Ion Ratio Lower Upper

50 100

52 33.3 26.8 40.2



#4

Vinyl Chloride

Concen: 64.998 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW006515.D

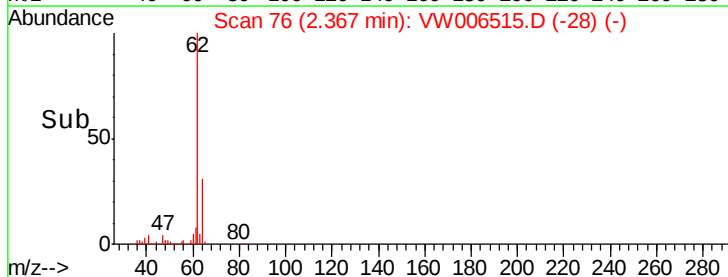
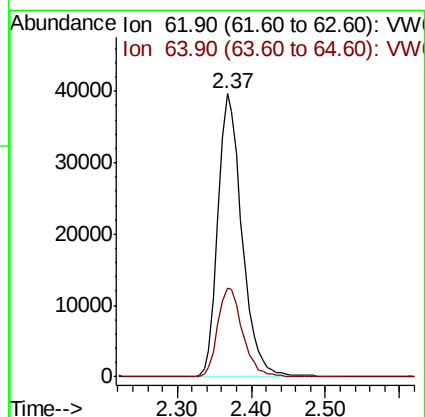
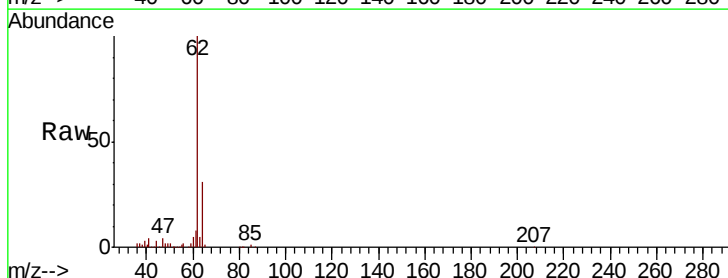
Acq: 30 Oct 2018 21:02

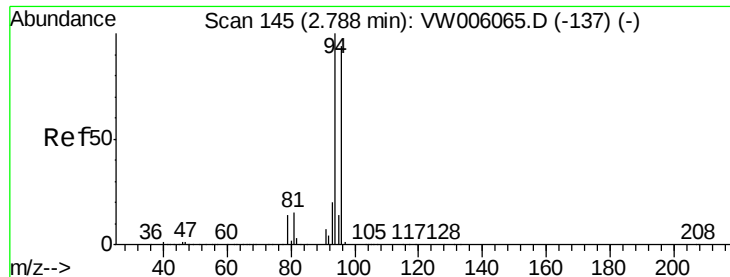
Tgt Ion: 62 Resp: 88792

Ion Ratio Lower Upper

62 100

64 31.3 25.9 38.9





#5

Bromomethane

Concen: 65.279 ug/l

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW006515.D

Acq: 30 Oct 2018 21:02

Instrument :

MSVOA_W

ClientSampleId :

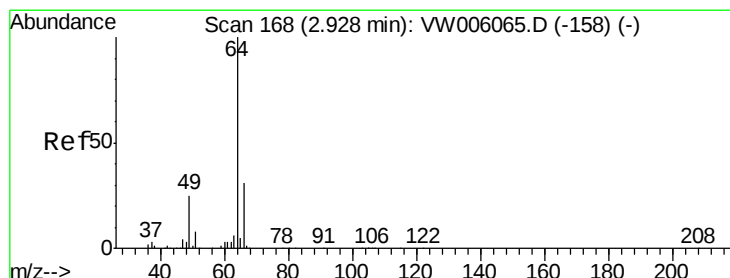
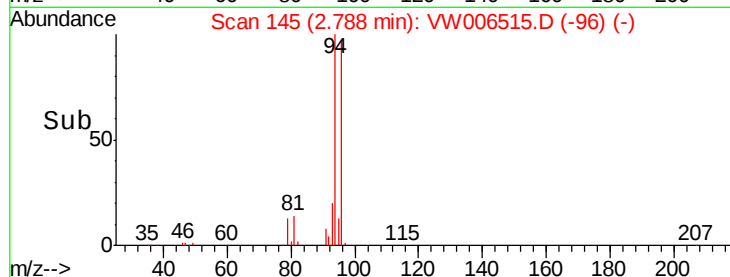
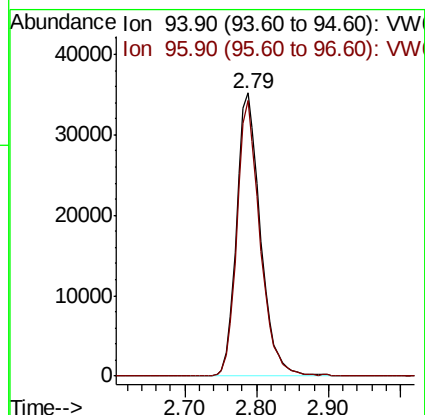
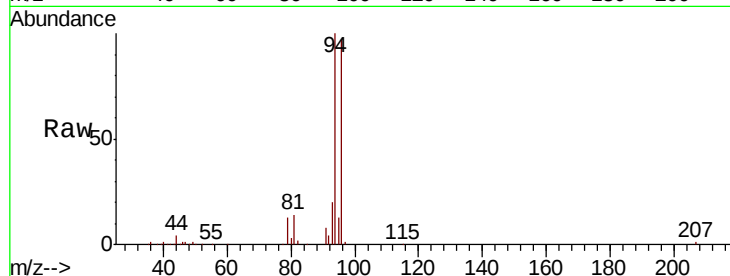
DL-03AMSD

Tot Ion: 94 Resp: 81109

Ion Ratio Lower Upper

94 100

96 97.4 74.9 112.3



#6

Chloroethane

Concen: 69.509 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW006515.D

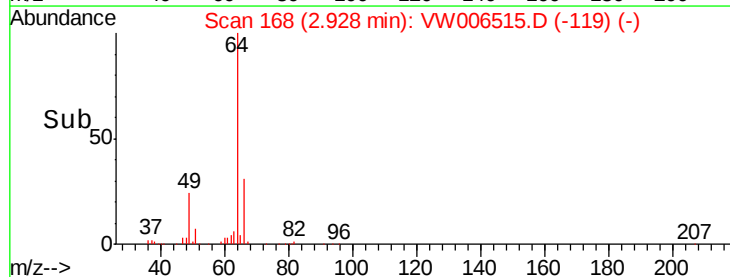
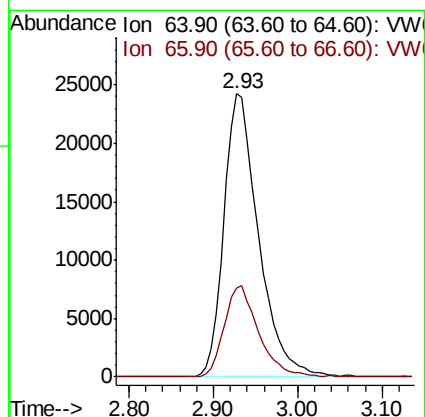
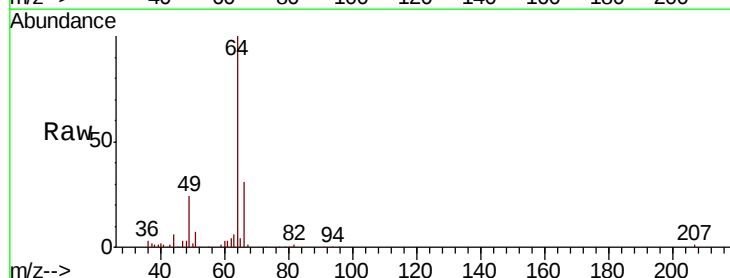
Acq: 30 Oct 2018 21:02

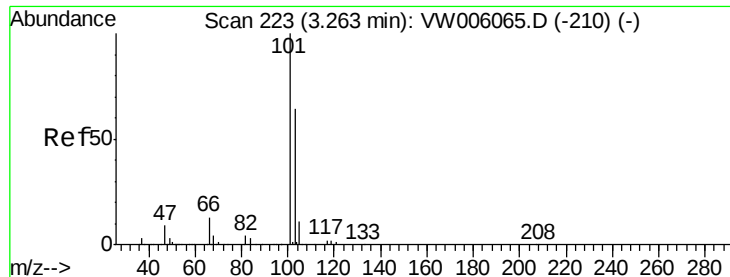
Tgt Ion: 64 Resp: 68048

Ion Ratio Lower Upper

64 100

66 31.4 24.9 37.3



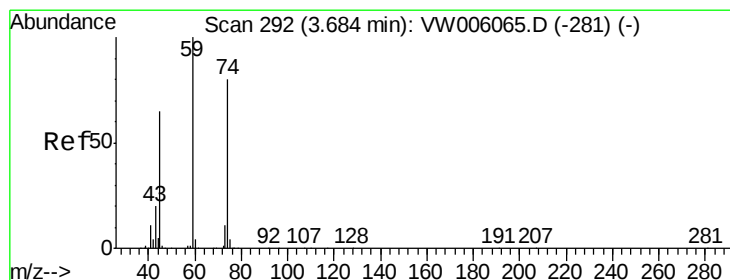
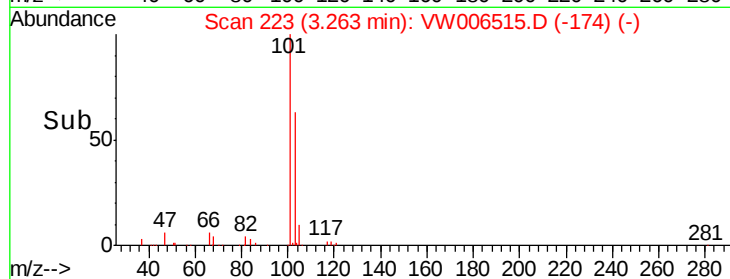
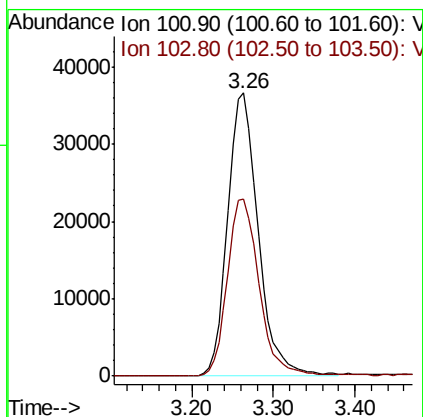
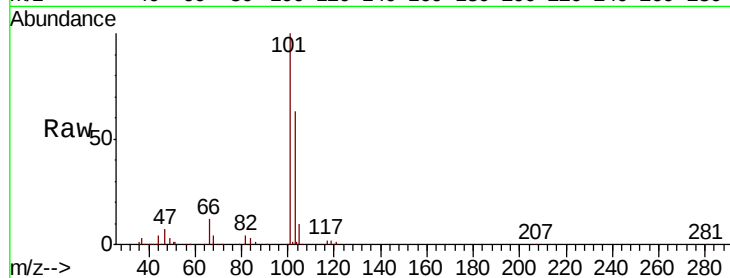


#7

Trichlorofluoromethane
 Concen: 74.576 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. -0.00 min
 Lab File: VW006515.D
 Acq: 30 Oct 2018 21:02

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 DL-03AMSD

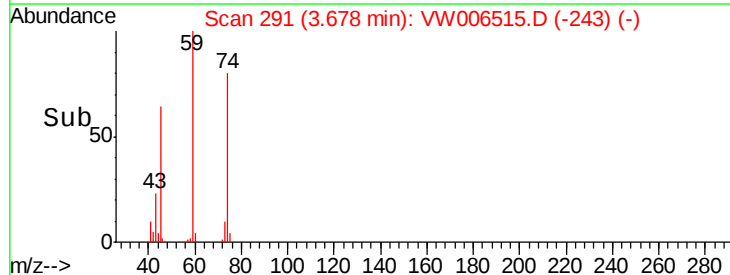
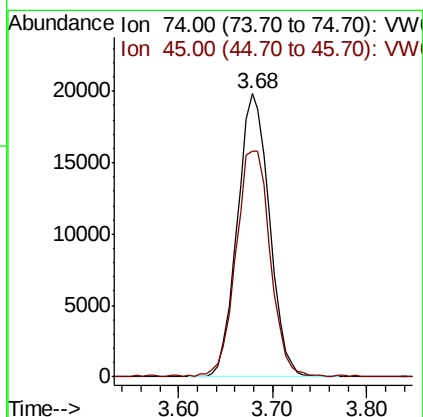
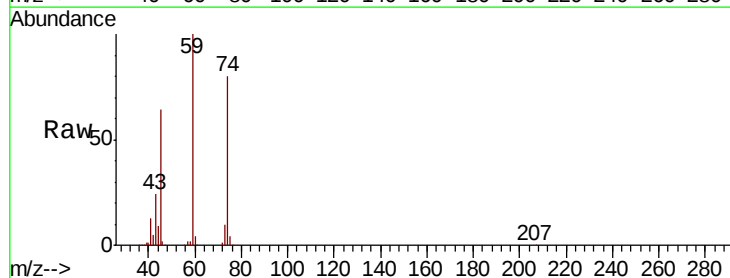
Tot Ion:101 Resp: 94905
 Ion Ratio Lower Upper
 101 100
 103 62.8 51.2 76.8



#8

Diethyl Ether
 Concen: 69.872 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW006515.D
 Acq: 30 Oct 2018 21:02

Tgt Ion: 74 Resp: 47257
 Ion Ratio Lower Upper
 74 100
 45 84.0 42.8 128.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 70.572 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW006515.D

Acq: 30 Oct 2018 21:02

Instrument :

MSVOA_W

ClientSampleId :

DL-03AMSD

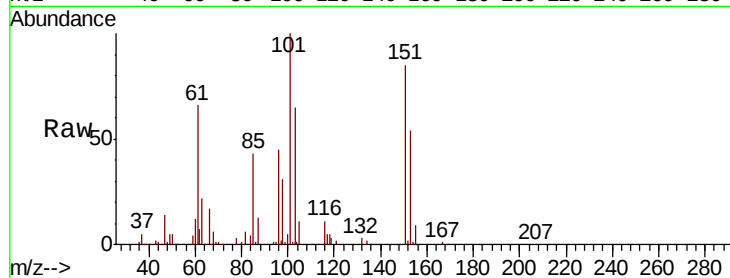
Tot Ion:101 Resp: 94119

Ion Ratio Lower Upper

101 100

85 43.2 34.9 52.3

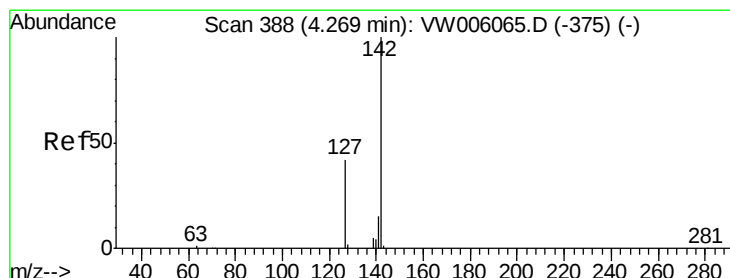
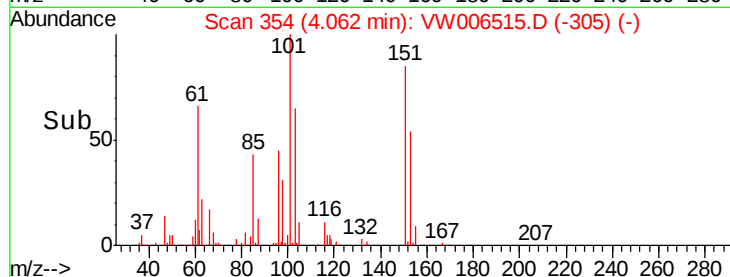
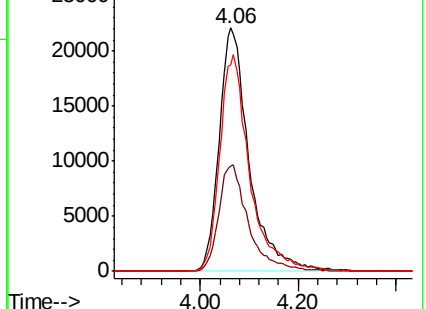
151 88.4 70.4 105.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 66.314 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW006515.D

Acq: 30 Oct 2018 21:02

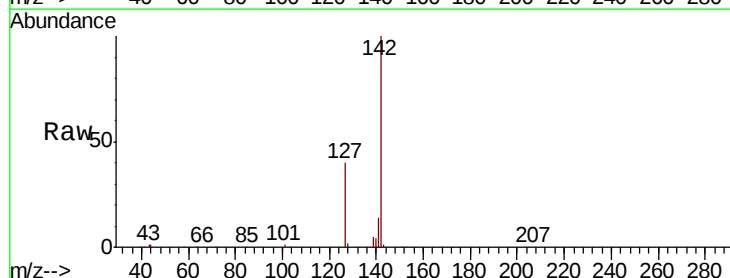
Tgt Ion:142 Resp: 147202

Ion Ratio Lower Upper

142 100

127 40.8 33.6 50.4

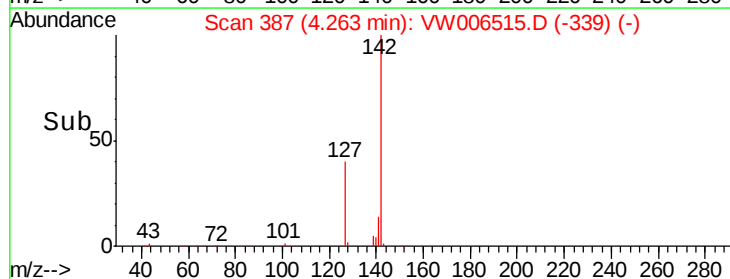
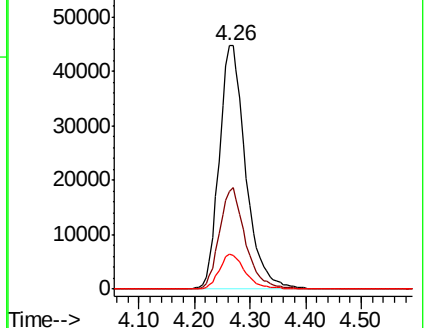
141 14.1 11.6 17.4

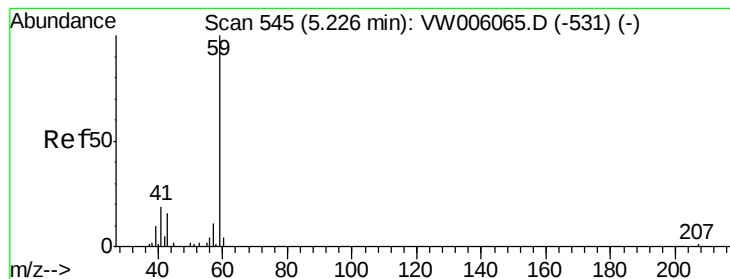


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



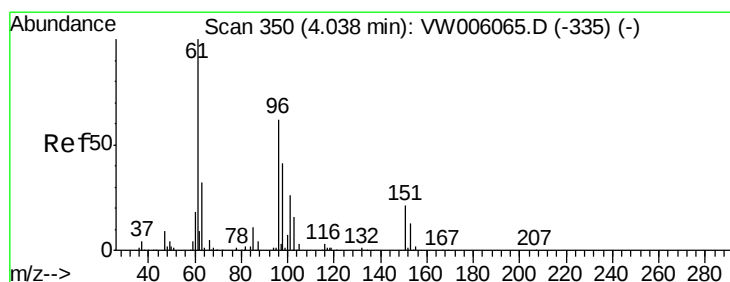
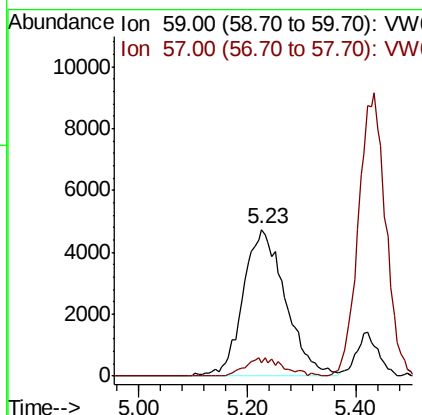
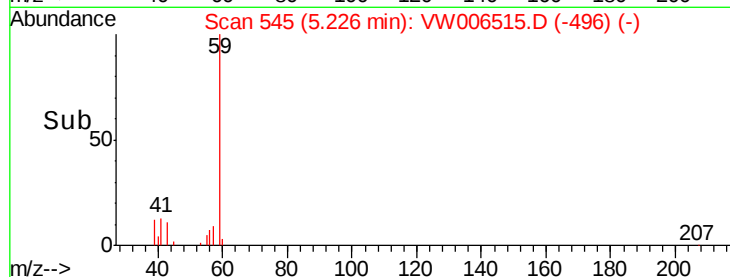
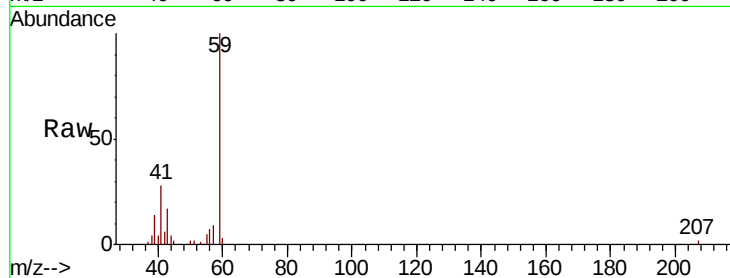


#11

Tert butyl alcohol
Concen: 306.445 ug/l
RT: 5.23 min Scan# 545
Delta R.T. -0.00 min
Lab File: VW006515.D
Acq: 30 Oct 2018 21:02

Instrument :
MSVOA_W
ClientSampleId :
DL-03AMSD

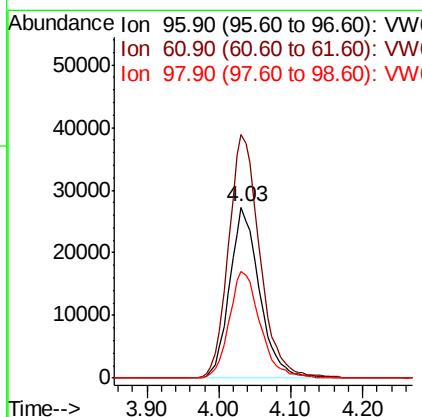
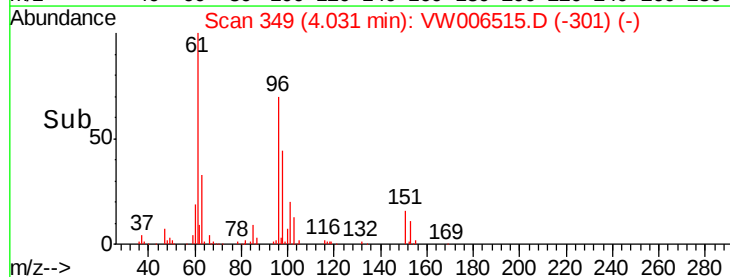
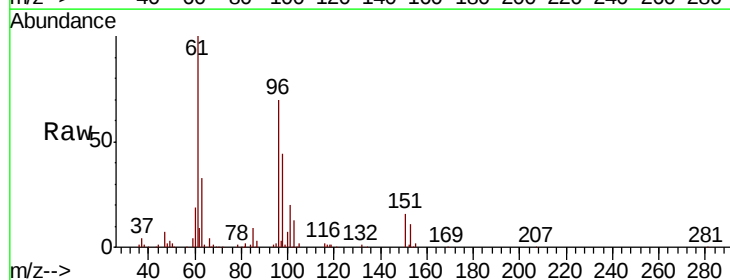
Tot Ion: 59 Resp: 25659
Ion Ratio Lower Upper
59 100
57 5.0 8.7 13.1#

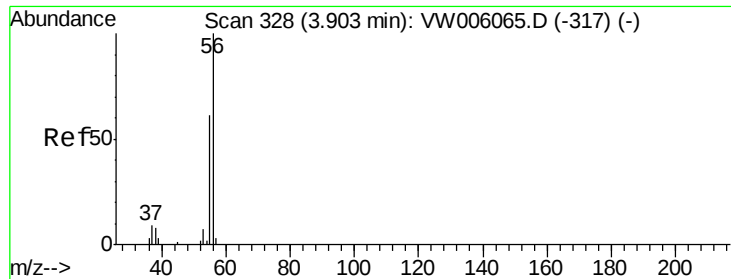


#12

1,1-Dichloroethene
Concen: 62.908 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW006515.D
Acq: 30 Oct 2018 21:02

Tgt Ion: 96 Resp: 78932
Ion Ratio Lower Upper
96 100
61 142.4 129.3 193.9
98 62.6 53.1 79.7





#13

Acrolein

Concen: 223.843 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.01 min

Lab File: VW006515.D

Acq: 30 Oct 2018 21:02

Instrument :

MSVOA_W

ClientSampleId :

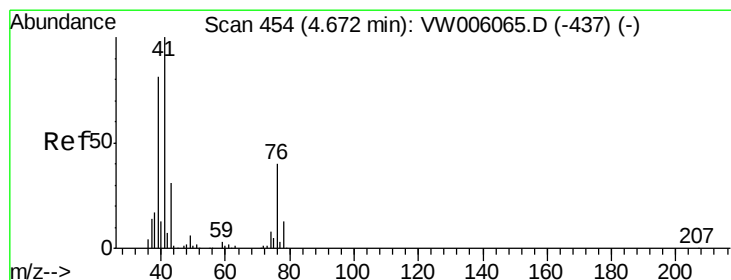
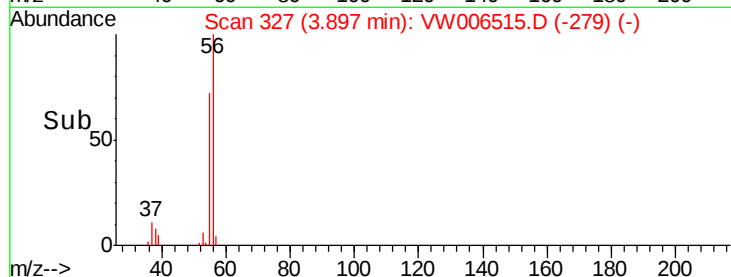
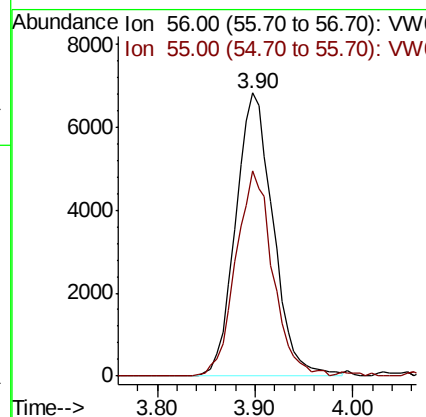
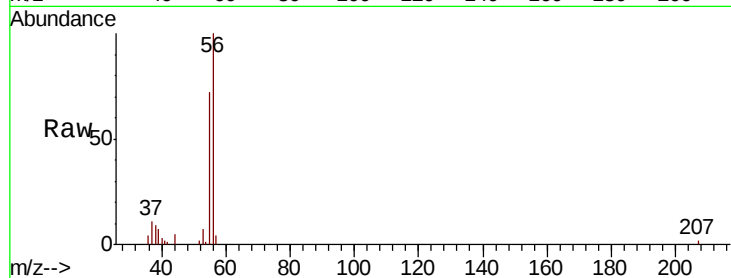
DL-03AMSD

Tot Ion: 56 Resp: 18136

Ion Ratio Lower Upper

56 100

55 71.7 54.5 81.7



#14

Allyl chloride

Concen: 58.161 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW006515.D

Acq: 30 Oct 2018 21:02

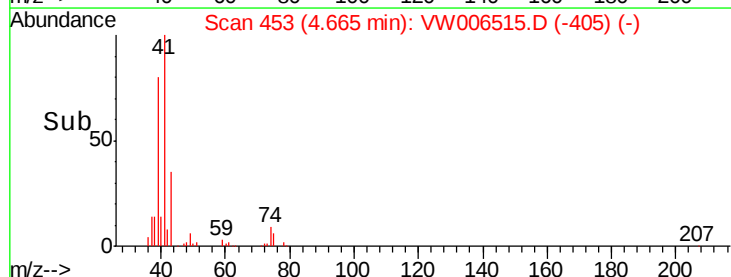
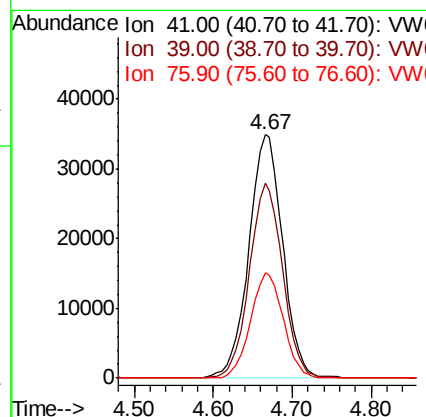
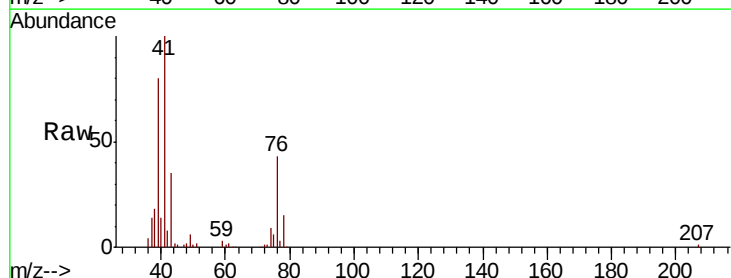
Tgt Ion: 41 Resp: 104344

Ion Ratio Lower Upper

41 100

39 78.3 64.1 96.1

76 41.8 32.2 48.4





#15

Acrylonitrile

Concen: 325.061 ug/l

RT: 5.38 min Scan# 570

Delta R.T. -0.00 min

Lab File: VW006515.D

Acq: 30 Oct 2018 21:02

Instrument :

MSVOA_W

ClientSampleId :

DL-03AMSD

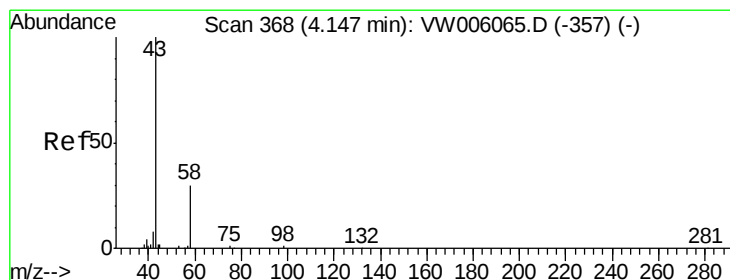
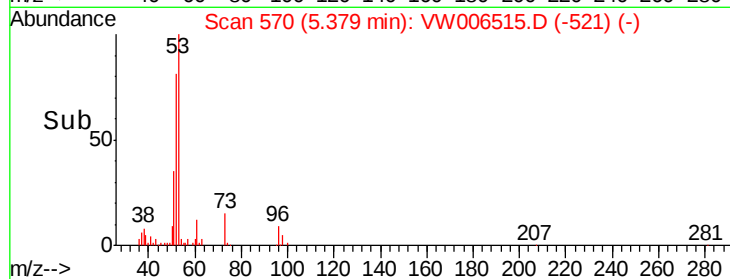
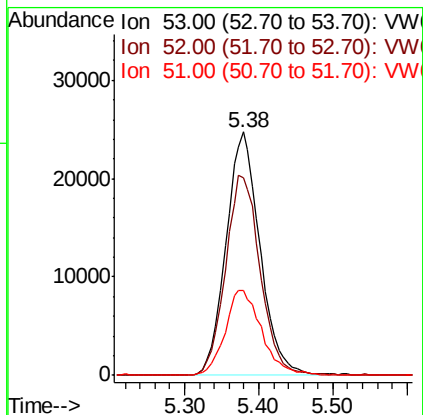
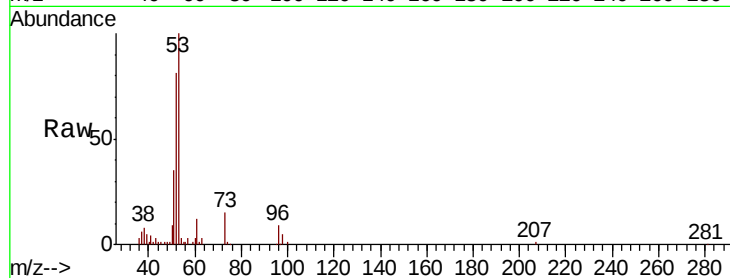
Tot Ion: 53 Resp: 78855

Ion Ratio Lower Upper

53 100

52 83.3 66.9 100.3

51 37.8 30.1 45.1



#16

Acetone

Concen: 336.667 ug/l

RT: 4.14 min Scan# 367

Delta R.T. -0.01 min

Lab File: VW006515.D

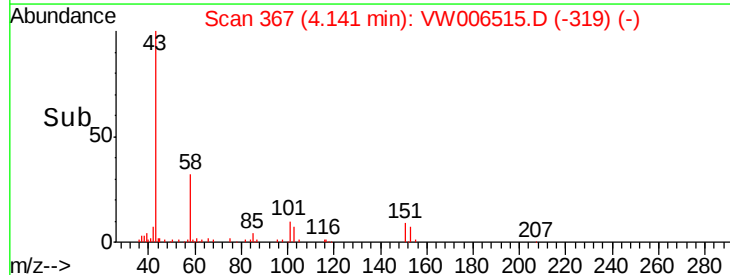
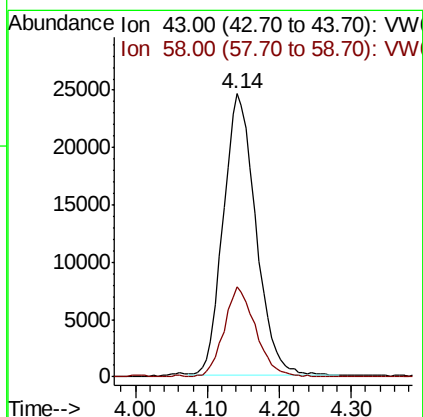
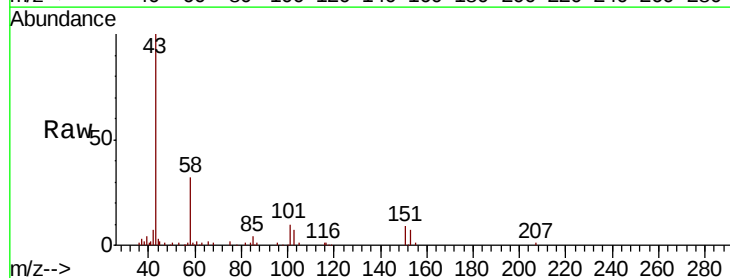
Acq: 30 Oct 2018 21:02

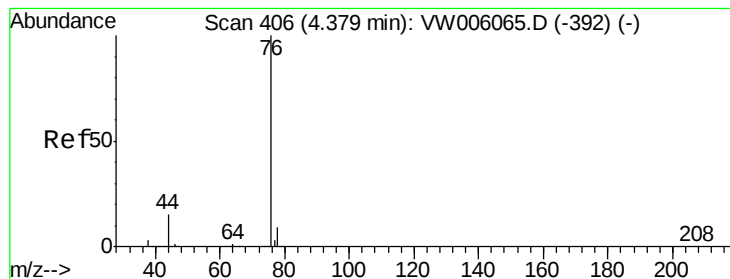
Tgt Ion: 43 Resp: 77436

Ion Ratio Lower Upper

43 100

58 31.8 24.0 36.0





#17

Carbon Disulfide

Concen: 39.453 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW006515.D

Acq: 30 Oct 2018 21:02

Instrument :

MSVOA_W

ClientSampled :

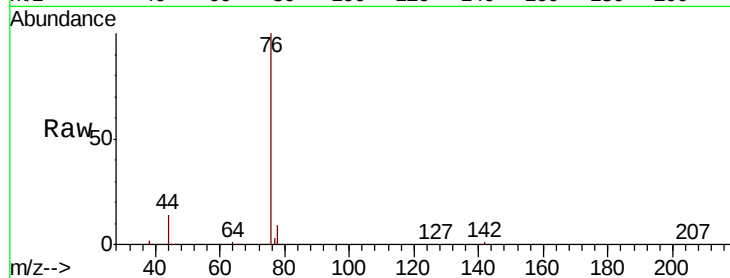
DL-03AMSD

Tot Ion: 76 Resp: 149400

Ion Ratio Lower Upper

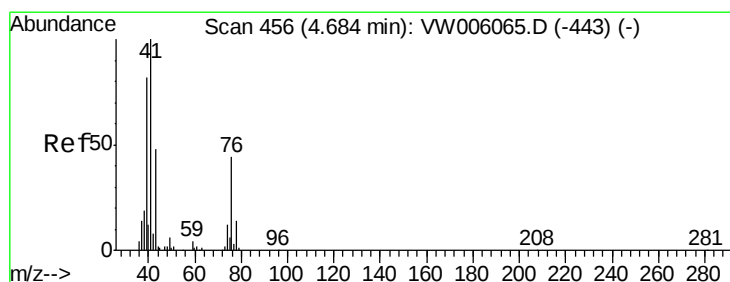
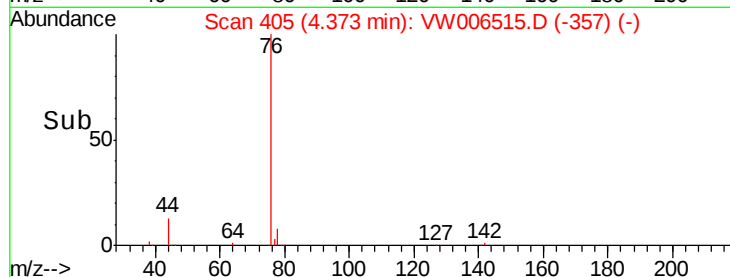
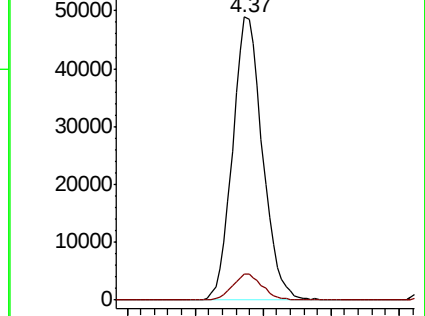
76 100

78 9.4 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 74.366 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW006515.D

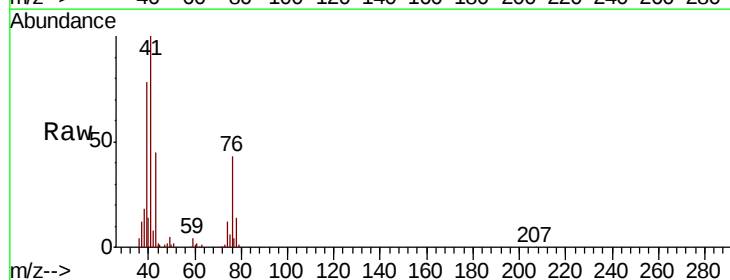
Acq: 30 Oct 2018 21:02

Tgt Ion: 43 Resp: 46593

Ion Ratio Lower Upper

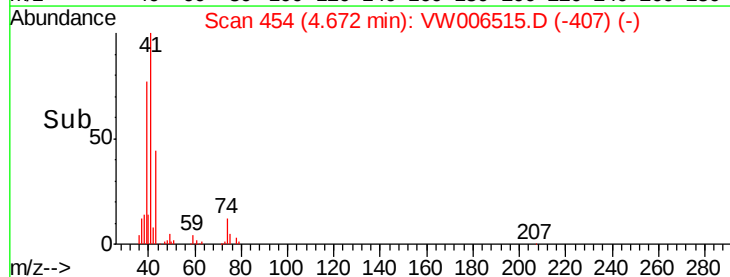
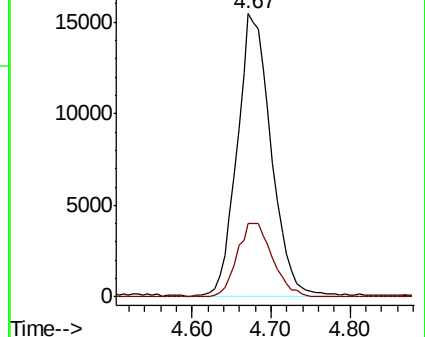
43 100

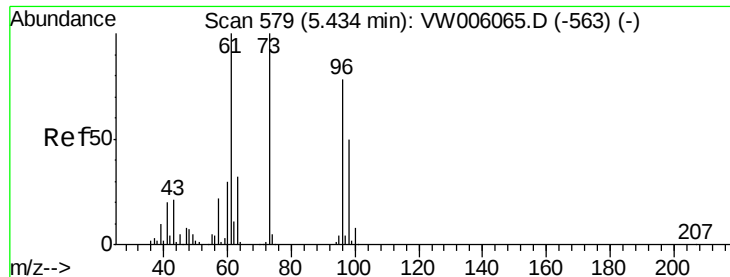
74 26.9 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

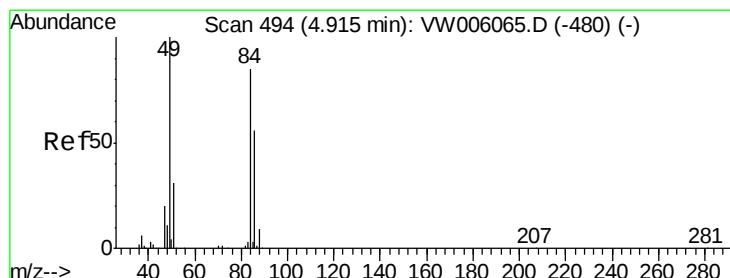
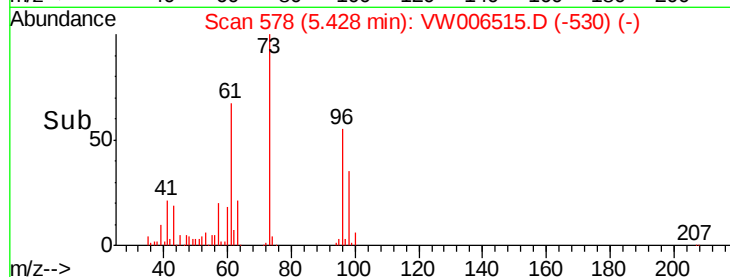
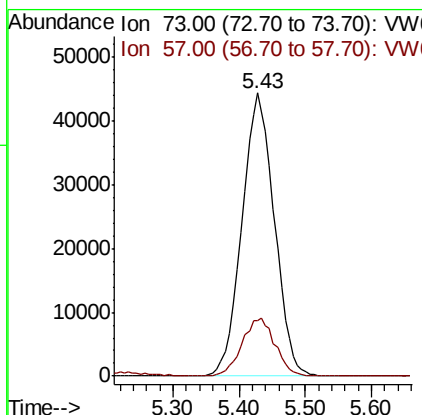
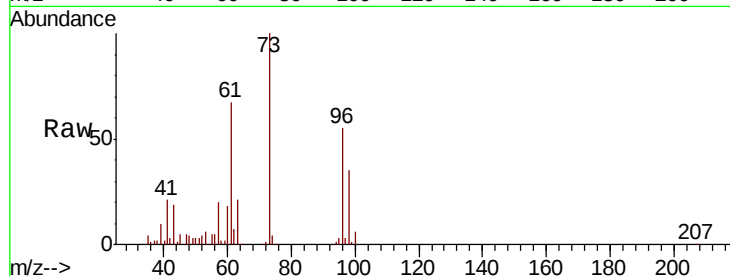




#19
Methyl tert-butyl Ether
Concen: 78.815 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW006515.D
Acq: 30 Oct 2018 21:02

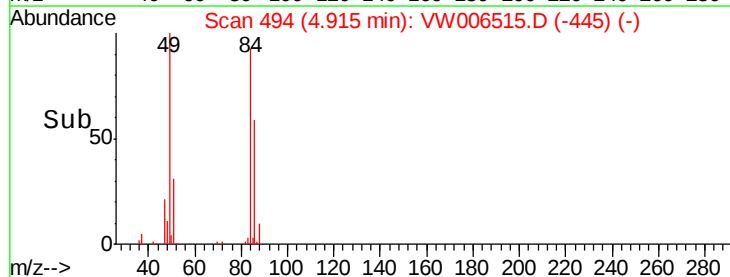
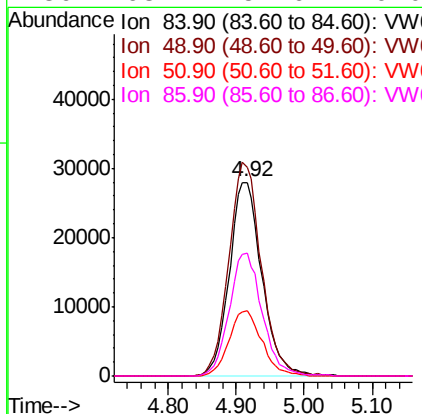
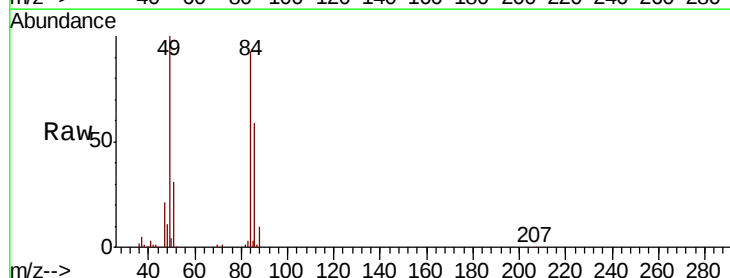
Instrument :
MSVOA_W
ClientSampleId :
DL-03AMSD

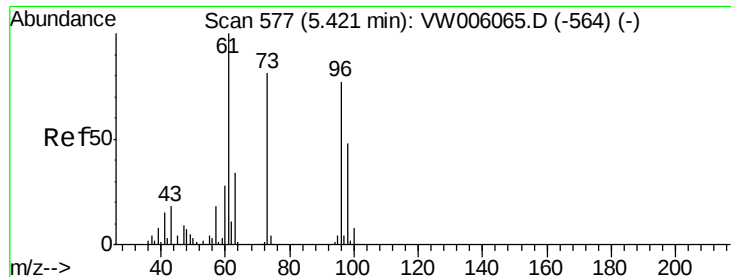
Tot Ion: 73 Resp: 150621
Ion Ratio Lower Upper
73 100
57 19.6 17.4 26.2



#20
Methylene Chloride
Concen: 71.139 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW006515.D
Acq: 30 Oct 2018 21:02

Tgt Ion: 84 Resp: 92808
Ion Ratio Lower Upper
84 100
49 108.0 93.6 140.4
51 33.6 29.0 43.4
86 63.7 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 52.808 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW006515.D

Acq: 30 Oct 2018 21:02

Instrument :

MSVOA_W

ClientSampleId :

DL-03AMSD

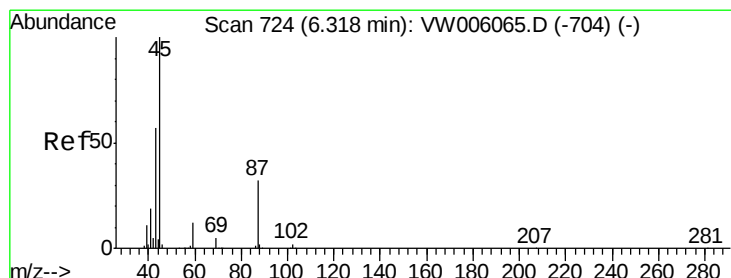
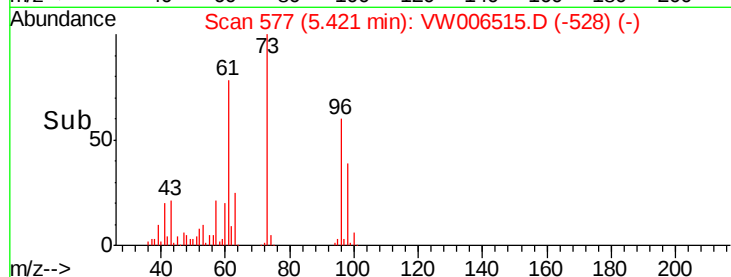
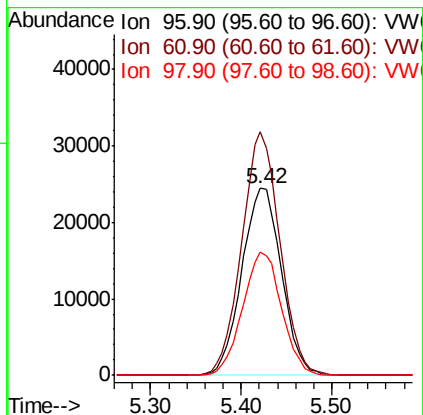
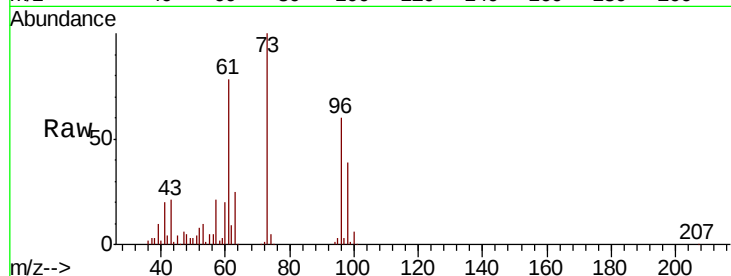
Tot Ion: 96 Resp: 73958

Ion Ratio Lower Upper

96 100

61 130.2 104.5 156.7

98 66.1 50.6 75.8



#22

Diisopropyl ether

Concen: 77.653 ug/l

RT: 6.32 min Scan# 724

Delta R.T. -0.00 min

Lab File: VW006515.D

Acq: 30 Oct 2018 21:02

Tgt Ion: 45 Resp: 275304

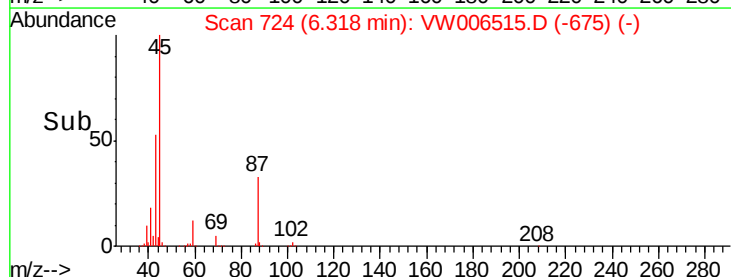
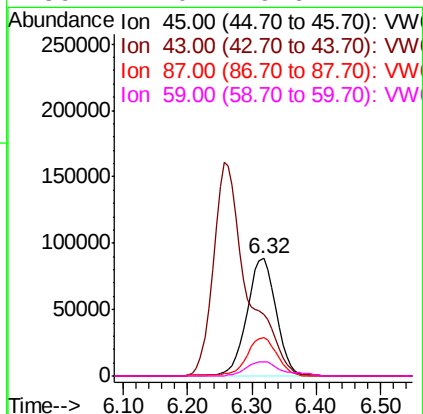
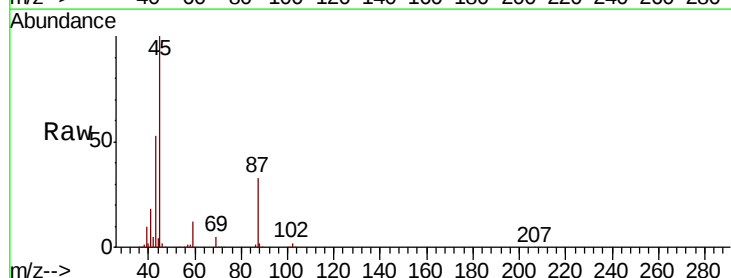
Ion Ratio Lower Upper

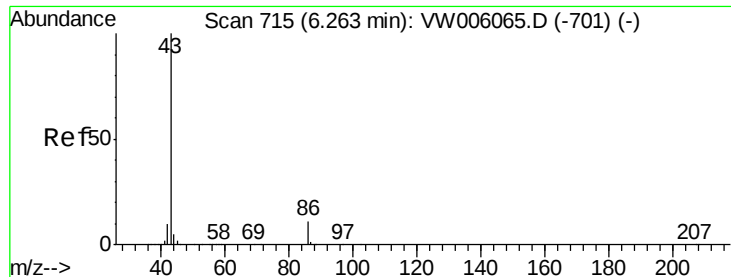
45 100

43 52.3 45.7 68.5

87 32.9 25.9 38.9

59 12.0 9.6 14.4





#23

Vinyl Acetate

Concen: 281.761 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.01 min

Lab File: VW006515.D

Acq: 30 Oct 2018 21:02

Instrument :

MSVOA_W

ClientSampleId :

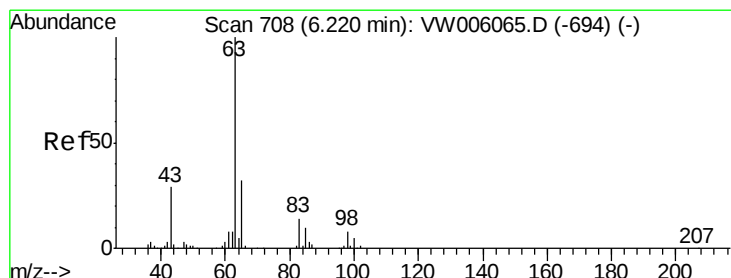
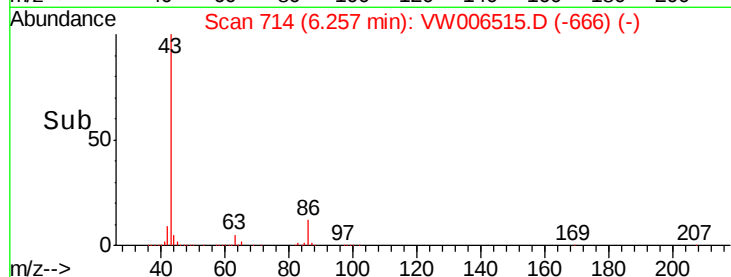
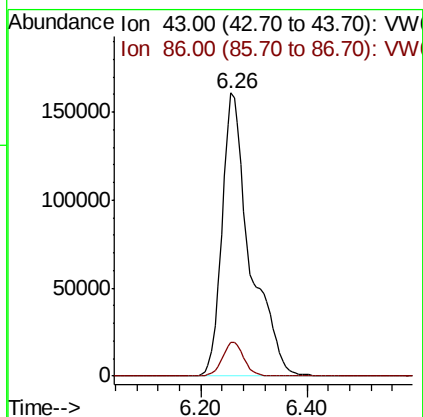
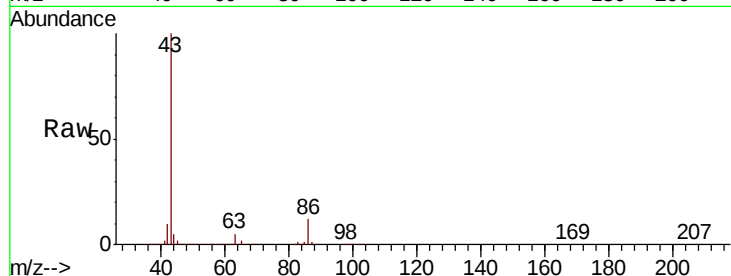
DL-03AMSD

Tot Ion: 43 Resp: 589523

Ion Ratio Lower Upper

43 100

86 11.9 9.0 13.6



#24

1,1-Dichloroethane

Concen: 71.823 ug/l

RT: 6.22 min Scan# 708

Delta R.T. -0.00 min

Lab File: VW006515.D

Acq: 30 Oct 2018 21:02

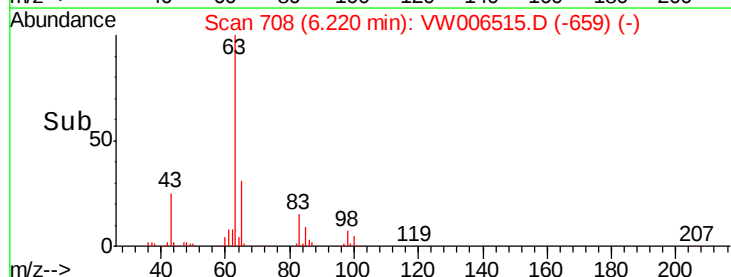
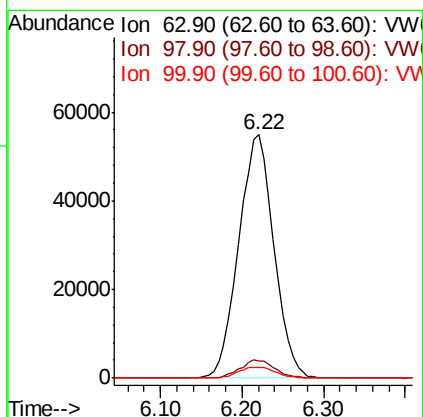
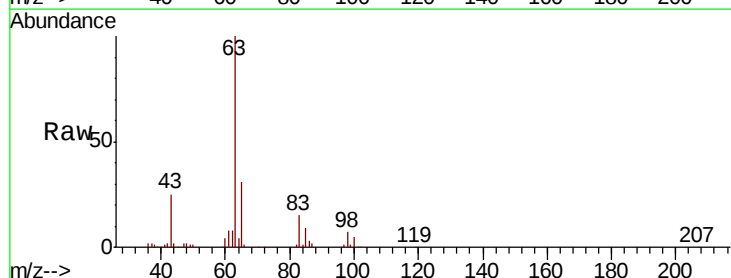
Tgt Ion: 63 Resp: 164305

Ion Ratio Lower Upper

63 100

98 7.2 3.8 11.2

100 4.6 2.5 7.5





#25

2-Butanone

Concen: 314.414 ug/l

RT: 7.18 min Scan# 866

Delta R.T. -0.00 min

Lab File: VW006515.D

Acq: 30 Oct 2018 21:02

Instrument :

MSVOA_W

ClientSampleId :

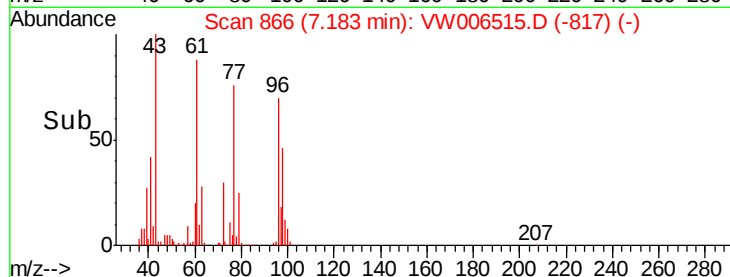
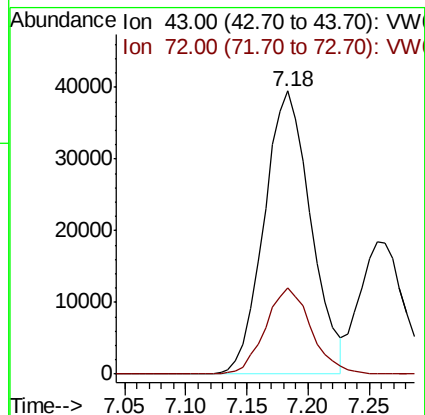
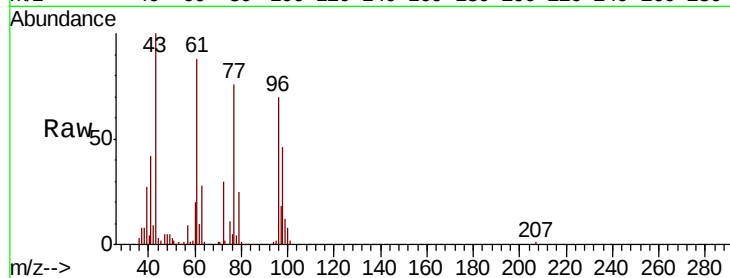
DL-03AMSD

Tot Ion: 43 Resp: 105748

Ion Ratio Lower Upper

43 100

72 30.4 22.8 34.2



#26

2,2-Dichloropropane

Concen: 69.634 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW006515.D

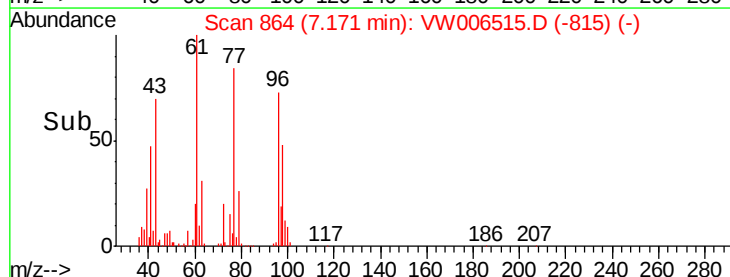
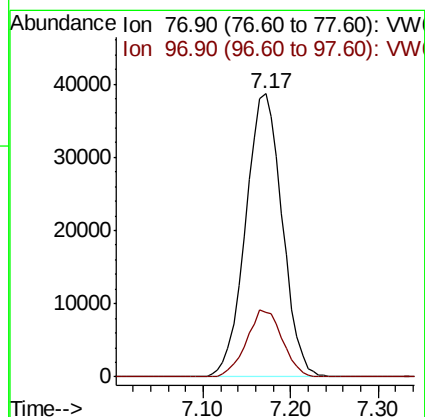
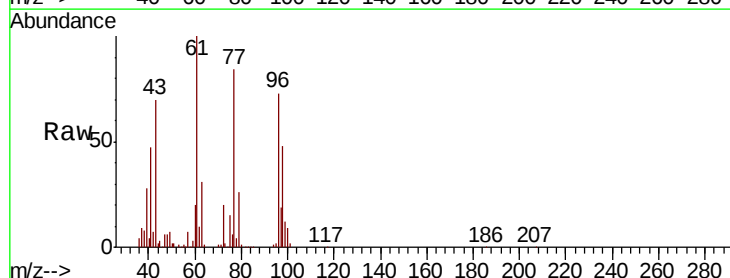
Acq: 30 Oct 2018 21:02

Tgt Ion: 77 Resp: 112352

Ion Ratio Lower Upper

77 100

97 23.2 12.2 36.4



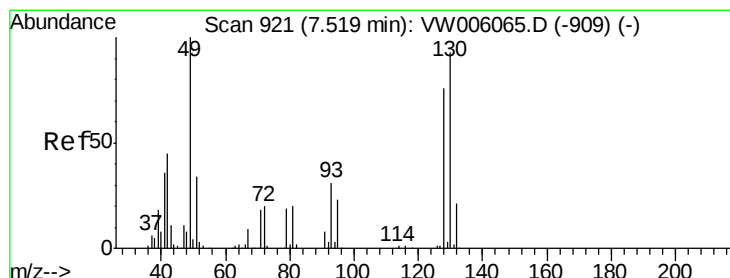
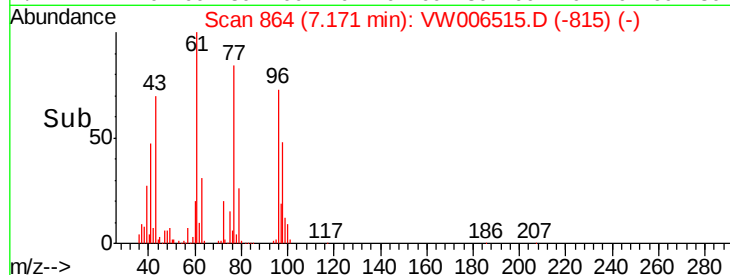
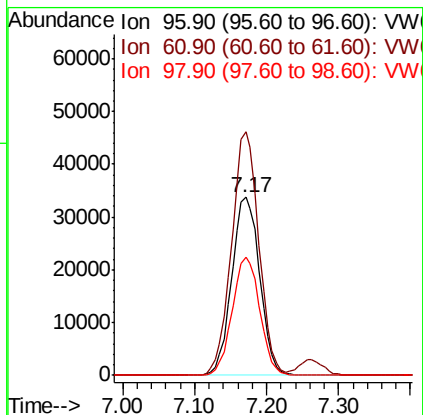
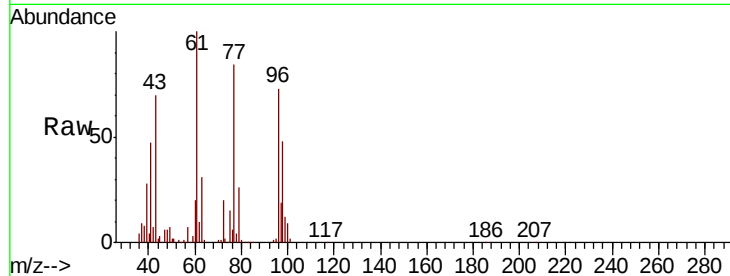


#27

cis-1,2-Dichloroethene
 Concen: 58.979 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW006515.D
 Acq: 30 Oct 2018 21:02

Instrument :
 MSVOA_W
 ClientSampleId :
 DL-03AMSD

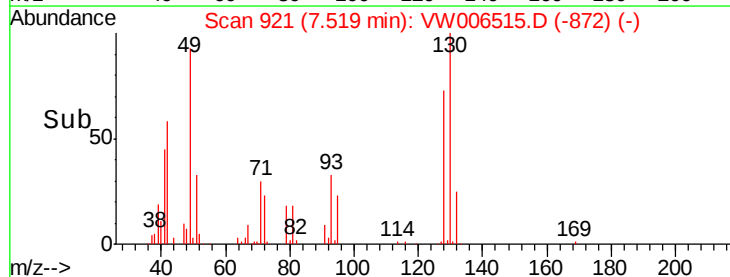
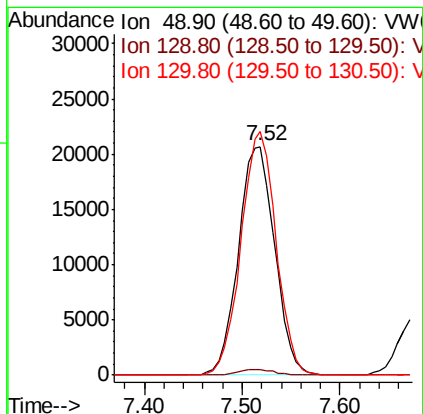
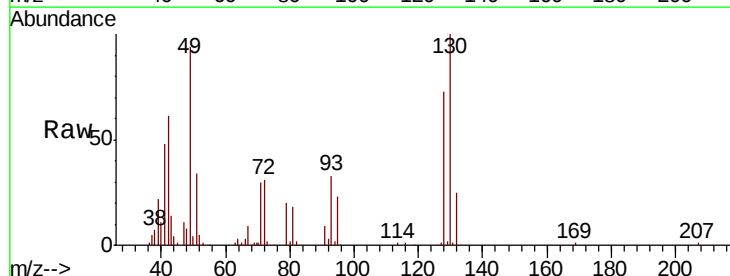
Tot Ion	Ratio	Lower	Upper
96	100		
61	133.2	0.0	267.2
98	65.0	0.0	128.6



#28

Bromochloromethane
 Concen: 60.363 ug/l
 RT: 7.52 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VW006515.D
 Acq: 30 Oct 2018 21:02

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	5.0
130	102.4	73.8	110.8





#29

Tetrahydrofuran

Concen: 340.342 ug/l

RT: 7.54 min Scan# 924

Delta R.T. -0.01 min

Lab File: VW006515.D

Acq: 30 Oct 2018 21:02

Instrument :

MSVOA_W

ClientSampled :

DL-03AMSD

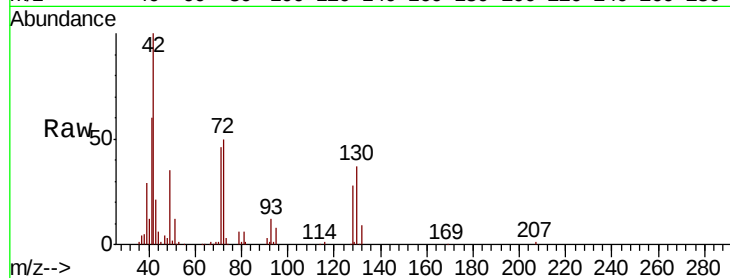
Tot Ion: 42 Resp: 70361

Ion Ratio Lower Upper

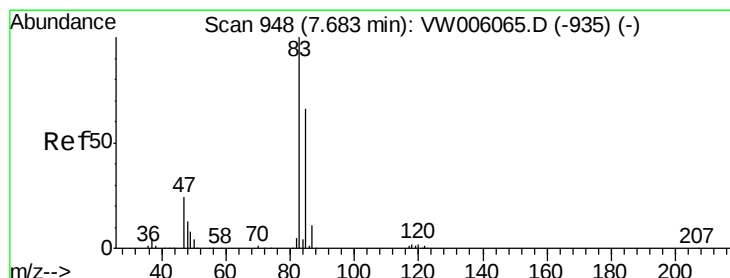
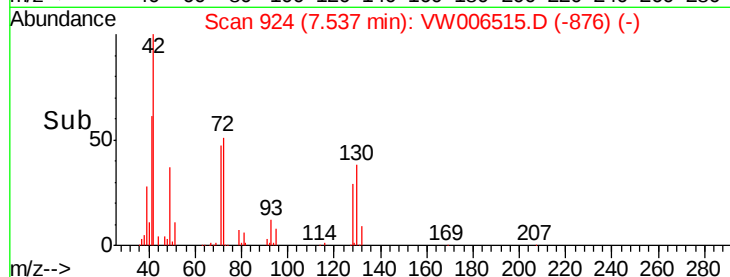
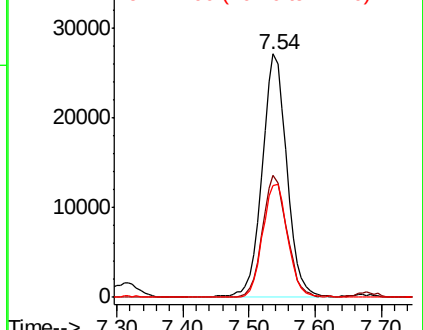
42 100

72 49.7 38.0 57.0

71 47.1 35.3 52.9



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW



#30

Chloroform

Concen: 69.468 ug/l

RT: 7.68 min Scan# 947

Delta R.T. -0.01 min

Lab File: VW006515.D

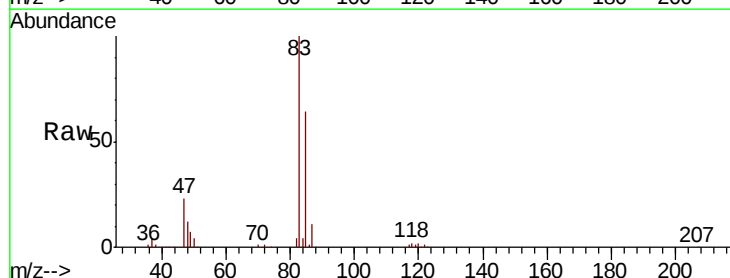
Acq: 30 Oct 2018 21:02

Tgt Ion: 83 Resp: 173142

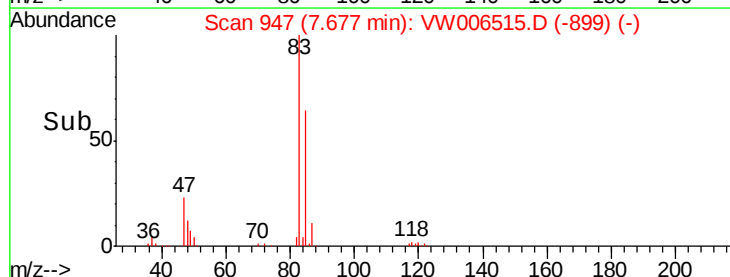
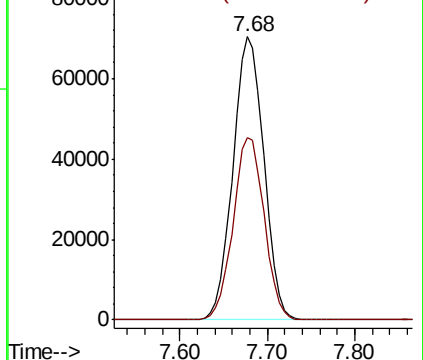
Ion Ratio Lower Upper

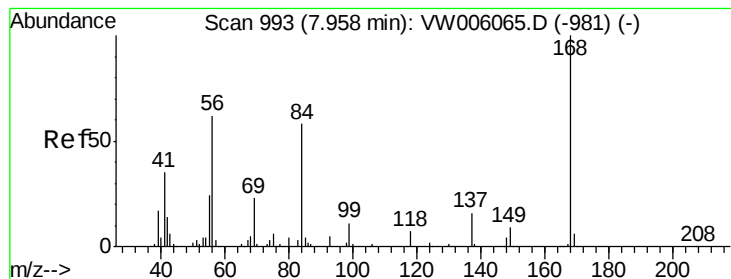
83 100

85 64.5 52.6 79.0



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW





#31

Cyclohexane

Concen: 56.917 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW006515.D

Acq: 30 Oct 2018 21:02

Instrument :

MSVOA_W

ClientSampleId :

DL-03AMSD

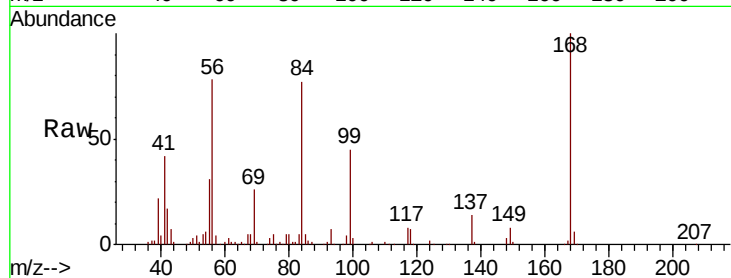
Tot Ion: 56 Resp: 129667

Ion Ratio Lower Upper

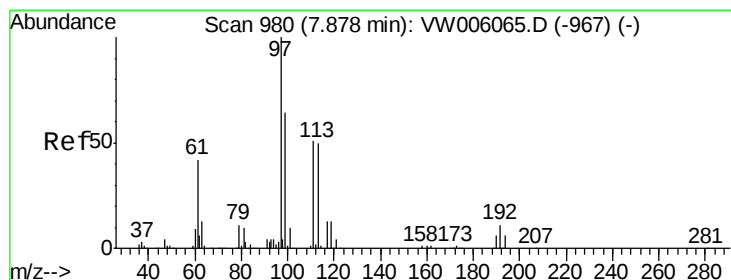
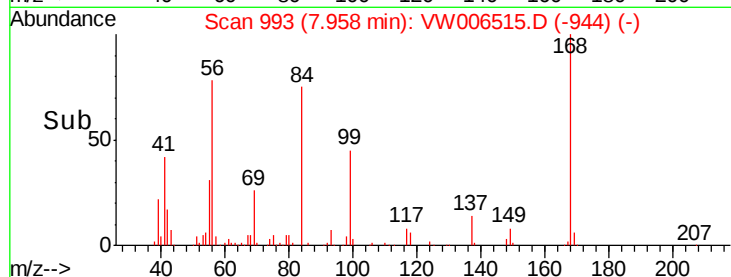
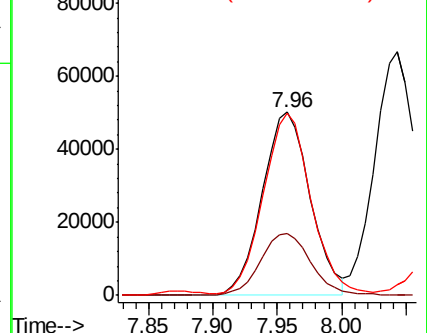
56 100

69 33.3 29.4 44.0

84 97.5 74.0 111.0



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#32

1,1,1-Trichloroethane

Concen: 71.398 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.01 min

Lab File: VW006515.D

Acq: 30 Oct 2018 21:02

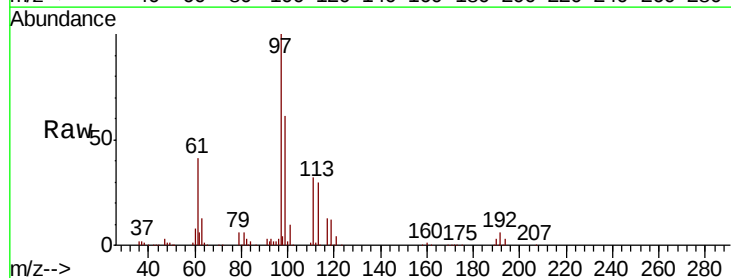
Tgt Ion: 97 Resp: 160523

Ion Ratio Lower Upper

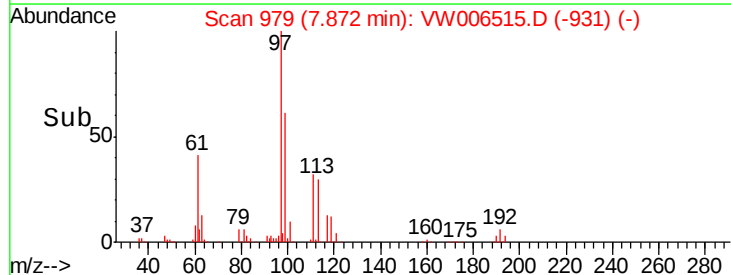
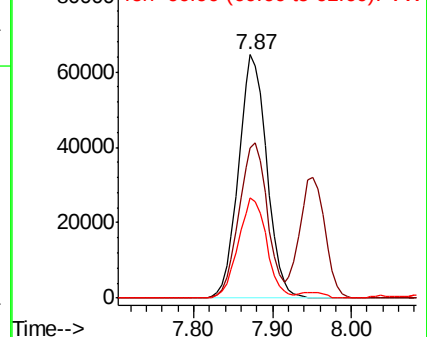
97 100

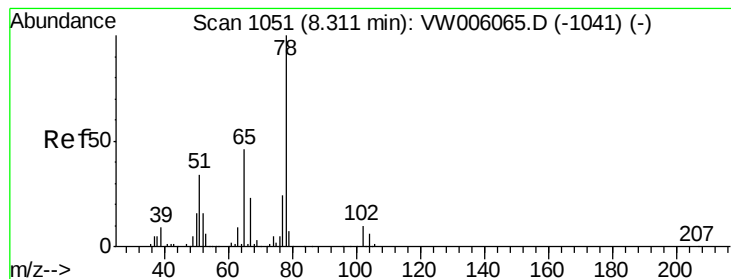
99 64.5 50.9 76.3

61 41.7 33.7 50.5



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW





#33

1,2-Dichloroethane-d4

Concen: 53.959 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW006515.D

Acq: 30 Oct 2018 21:02

Instrument :

MSVOA_W

ClientSampleId :

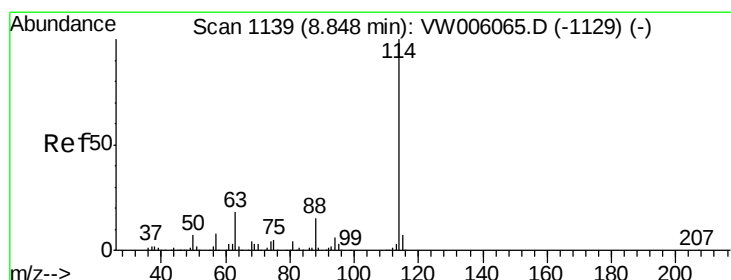
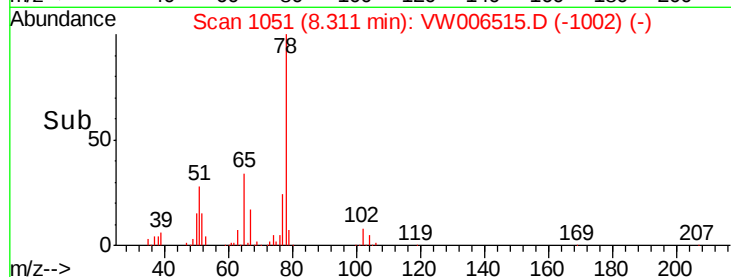
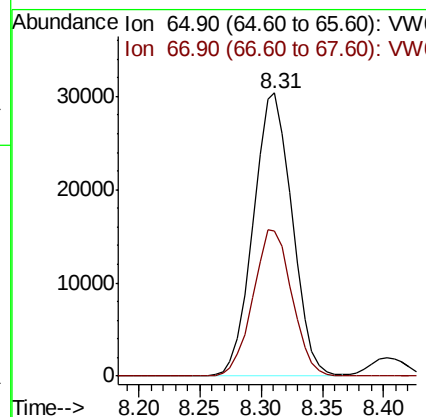
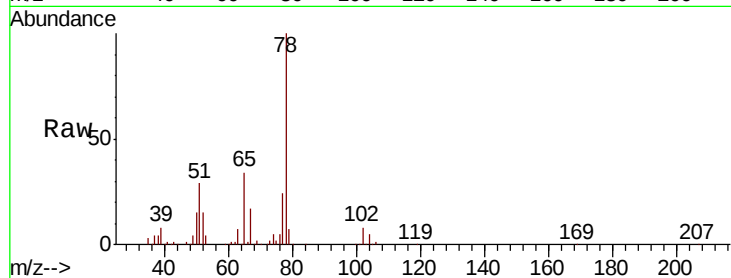
DL-03AMSD

Tot Ion: 65 Resp: 67178

Ion Ratio Lower Upper

65 100

67 51.8 0.0 101.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VW006515.D

Acq: 30 Oct 2018 21:02

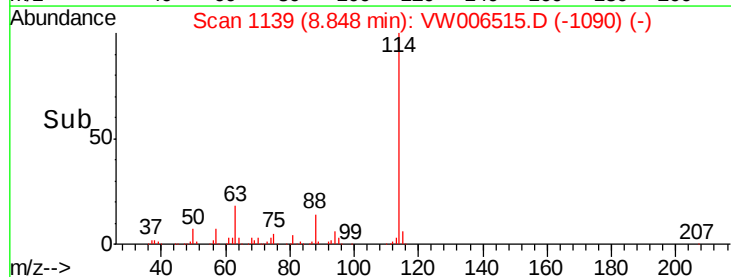
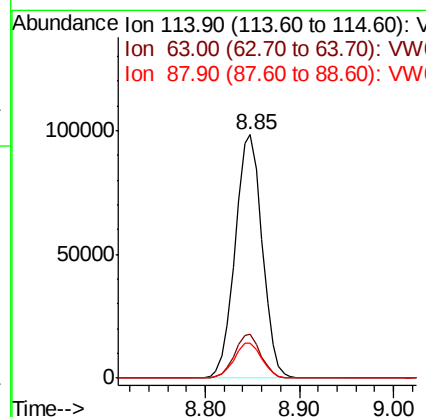
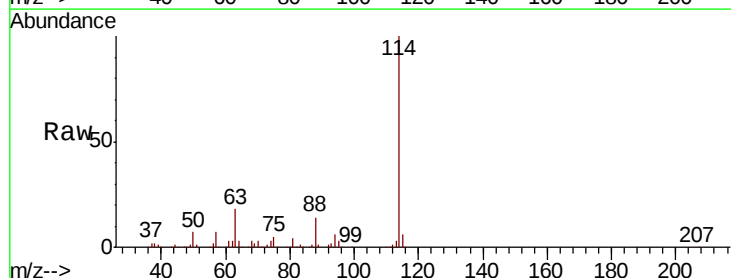
Tgt Ion: 114 Resp: 195906

Ion Ratio Lower Upper

114 100

63 18.3 0.0 36.8

88 14.4 0.0 29.0





#35

Dibromofluoromethane

Concen: 64.345 ug/l

RT: 7.89 min Scan# 982

Delta R.T. -0.00 min

Lab File: VW006515.D

Acq: 30 Oct 2018 21:02

Instrument :

MSVOA_W

ClientSampleId :

DL-03AMSD

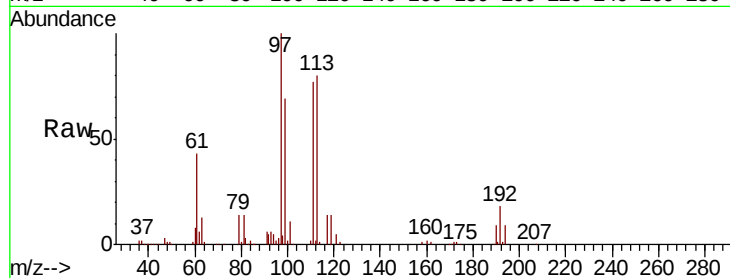
Tot Ion:113 Resp: 74486

Ion Ratio Lower Upper

113 100

111 100.8 81.4 122.0

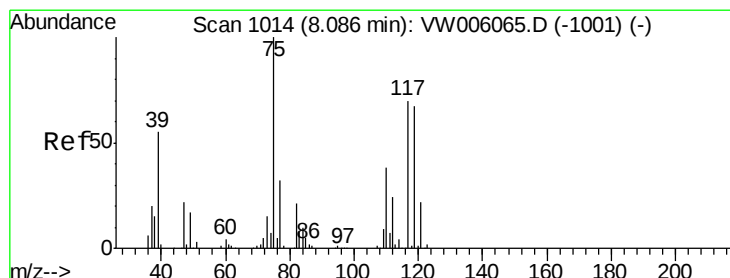
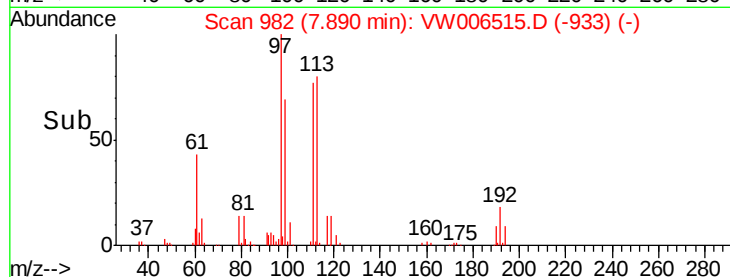
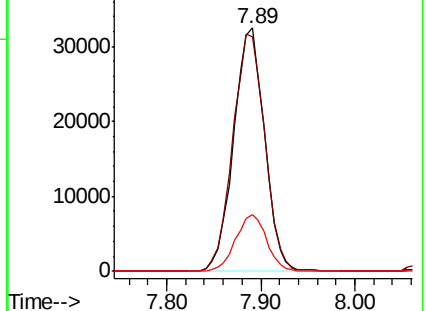
192 23.3 18.7 28.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 57.031 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VW006515.D

Acq: 30 Oct 2018 21:02

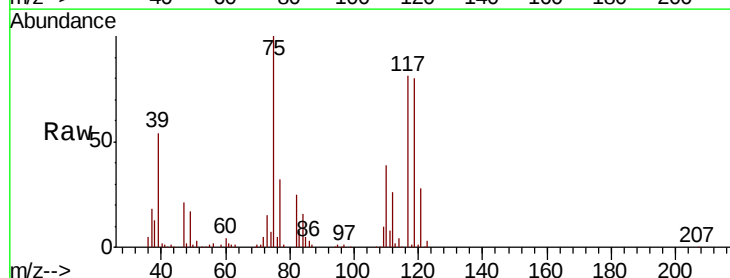
Tgt Ion: 75 Resp: 102982

Ion Ratio Lower Upper

75 100

110 38.8 19.1 57.1

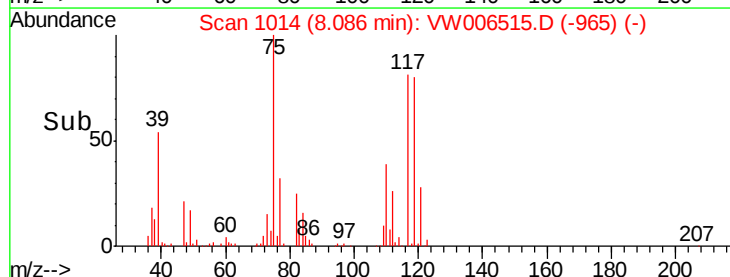
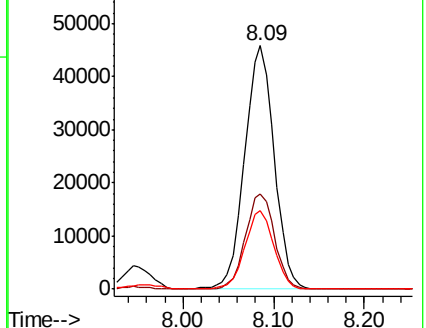
77 31.7 25.0 37.4

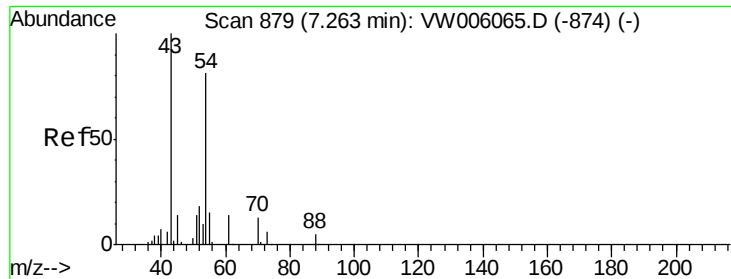


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

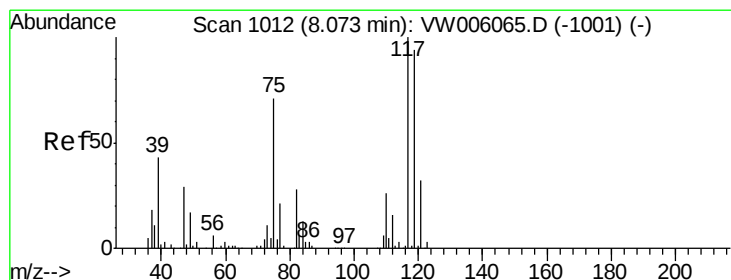
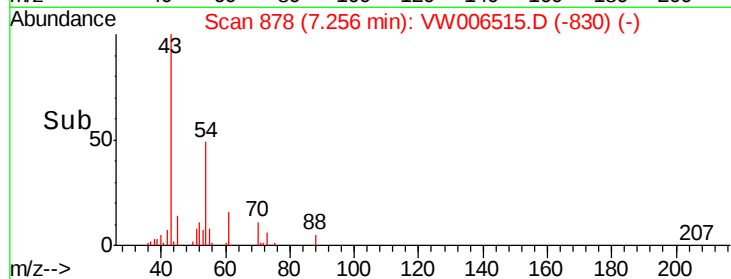
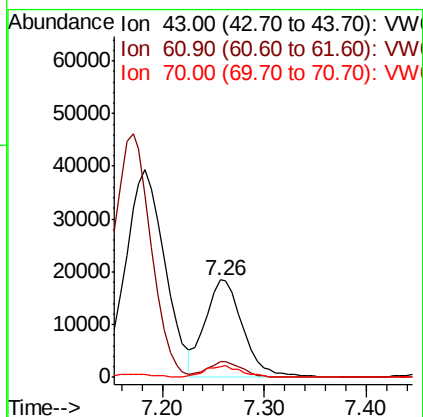
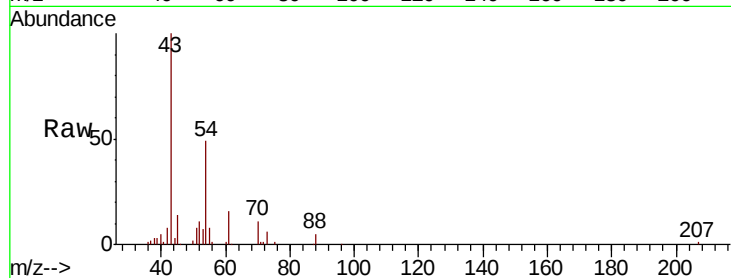




#37
Ethyl Acetate
Concen: 70.685 ug/l
RT: 7.26 min Scan# 878
Delta R.T. -0.01 min
Lab File: VW006515.D
Acq: 30 Oct 2018 21:02

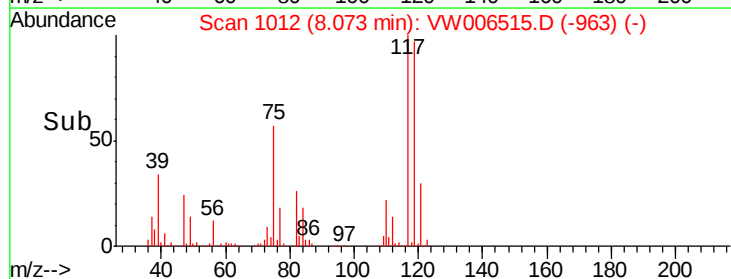
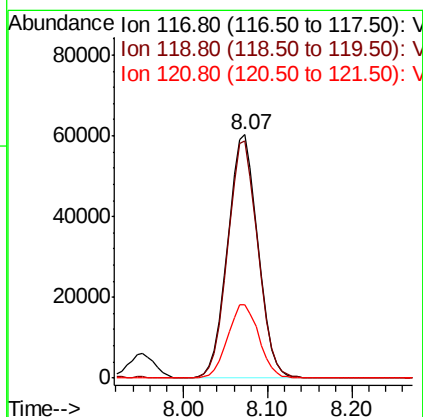
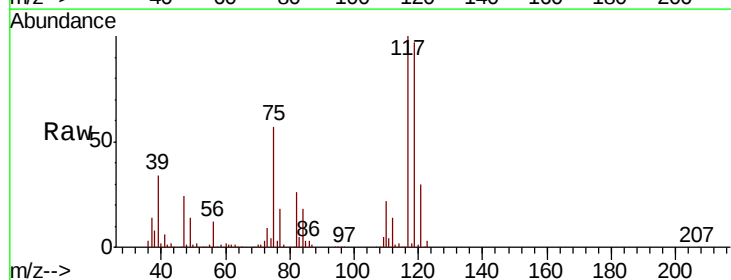
Instrument :
MSVOA_W
ClientSampleId :
DL-03AMSD

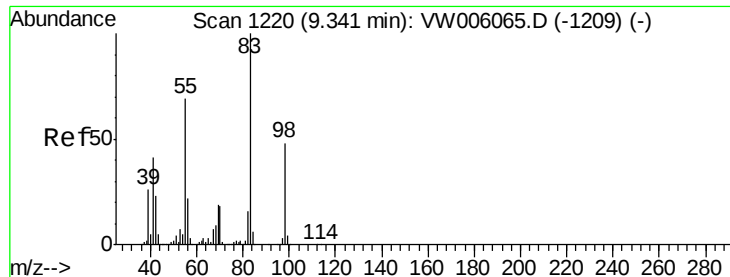
Tot Ion: 43 Resp: 47422
Ion Ratio Lower Upper
43 100
61 15.2 11.5 17.3
70 11.6 9.2 13.8



#38
Carbon Tetrachloride
Concen: 74.316 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VW006515.D
Acq: 30 Oct 2018 21:02

Tgt Ion: 117 Resp: 147108
Ion Ratio Lower Upper
117 100
119 97.4 75.2 112.8
121 30.3 25.3 37.9

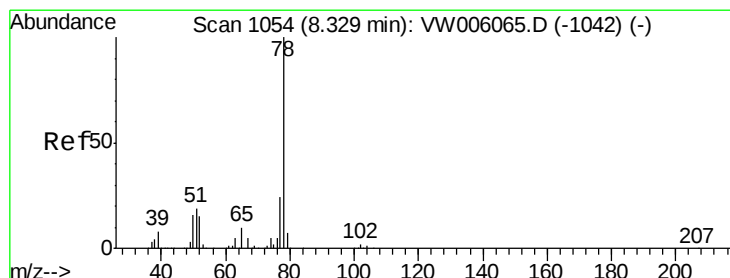
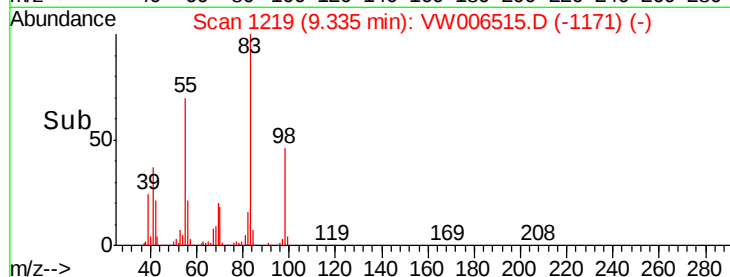
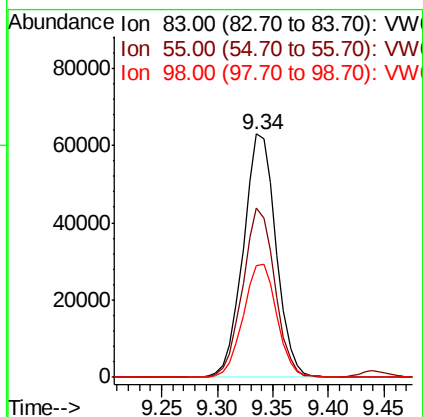
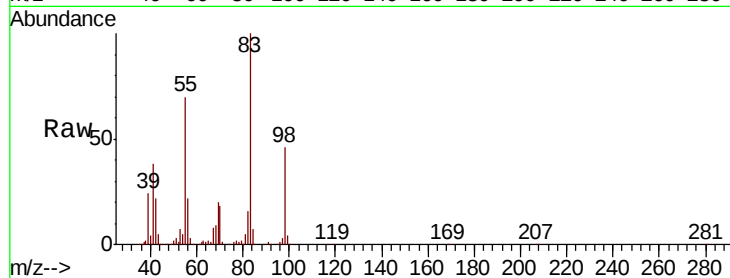




#39
Methvlcvclohexane
Concen: 53.695 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW006515.D
Acq: 30 Oct 2018 21:02

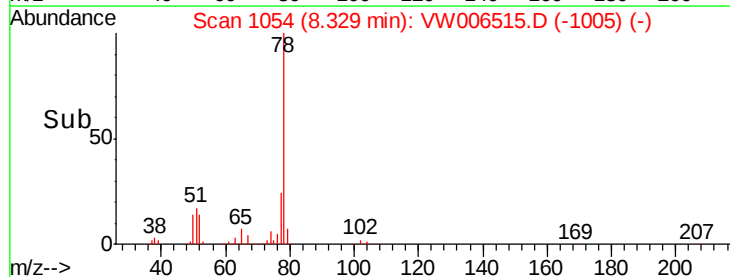
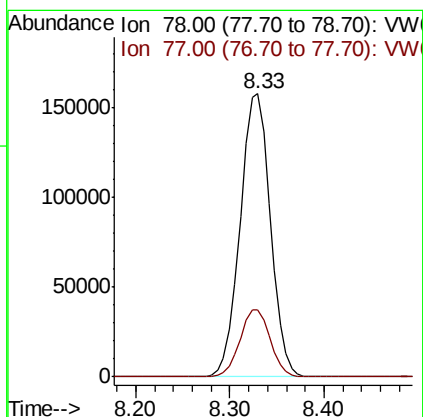
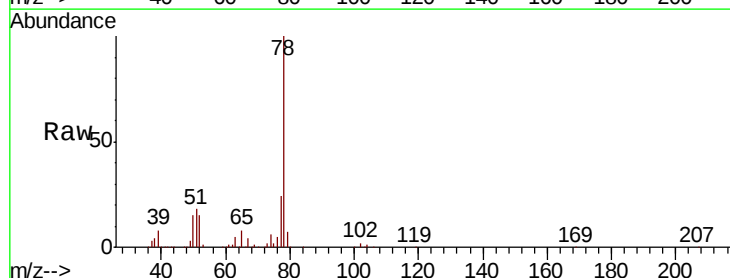
Instrument :
MSVOA_W
ClientSampleId :
DL-03AMSD

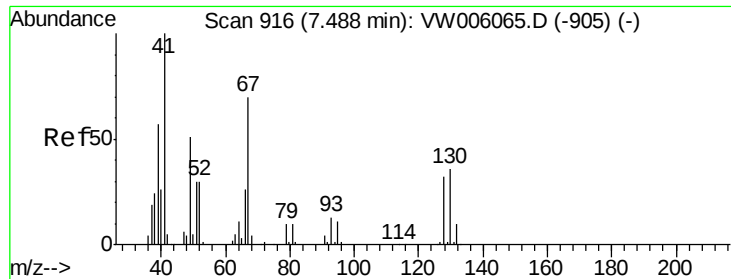
Tot Ion: 83 Resp: 128884
Ion Ratio Lower Upper
83 100
55 69.7 55.0 82.6
98 46.1 38.6 57.8



#40
Benzene
Concen: 71.526 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VW006515.D
Acq: 30 Oct 2018 21:02

Tgt Ion: 78 Resp: 354281
Ion Ratio Lower Upper
78 100
77 23.8 19.4 29.0

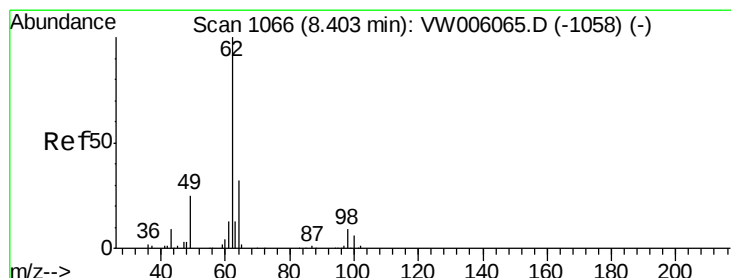
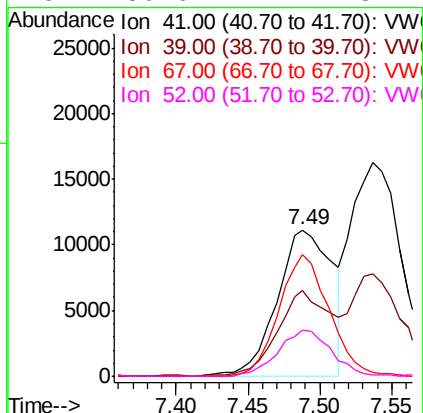
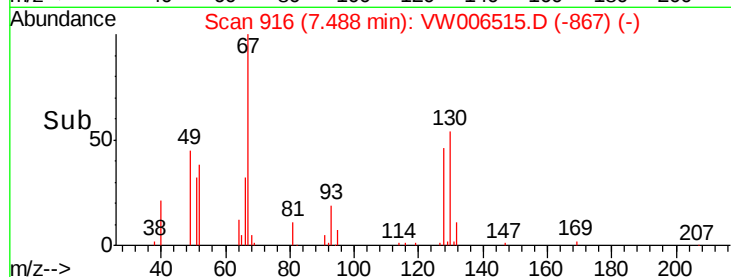
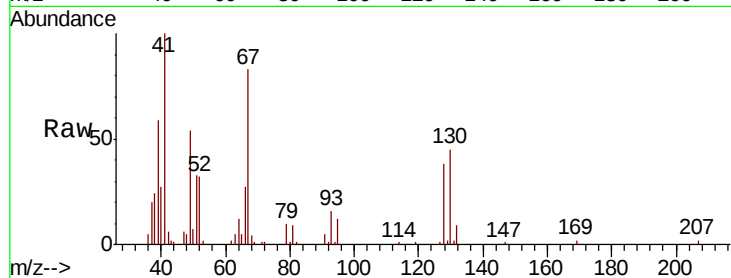




#41
Methacrylonitrile
Concen: 73.462 ug/l
RT: 7.49 min Scan# 916
Delta R.T. -0.00 min
Lab File: VW006515.D
Acq: 30 Oct 2018 21:02

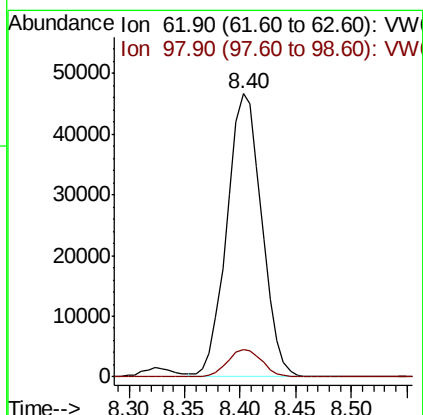
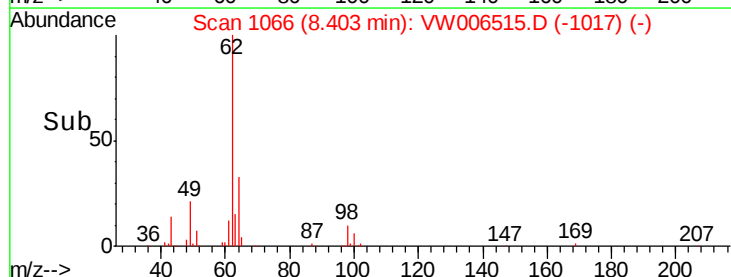
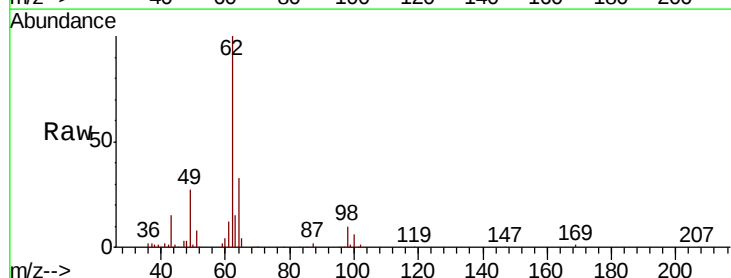
Instrument :
MSVOA_W
ClientSampled :
DL-03AMSD

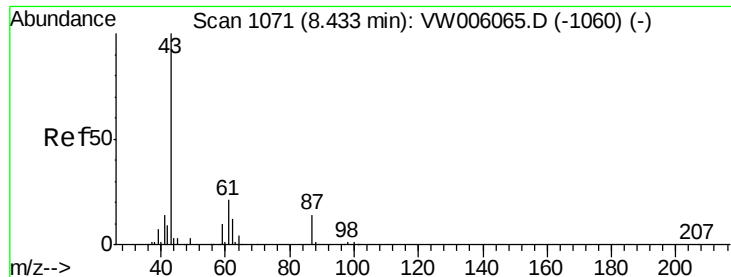
Tot Ion:	41	Resp:	29711
Ion	Ratio	Lower	Upper
41	100		
39	56.0	46.2	69.4
67	75.7	57.7	86.5
52	30.6	24.7	37.1



#42
1,2-Dichloroethane
Concen: 69.573 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW006515.D
Acq: 30 Oct 2018 21:02

Tgt Ion:	62	Resp:	101246
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	18.4





#43

Isopropyl Acetate

Concen: 72.842 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.01 min

Lab File: VW006515.D

Acq: 30 Oct 2018 21:02

Instrument :

MSVOA_W

ClientSampleId :

DL-03AMSD

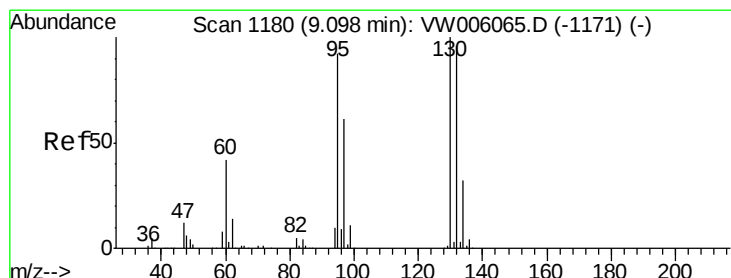
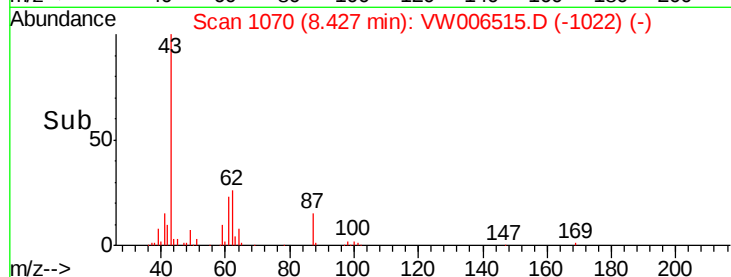
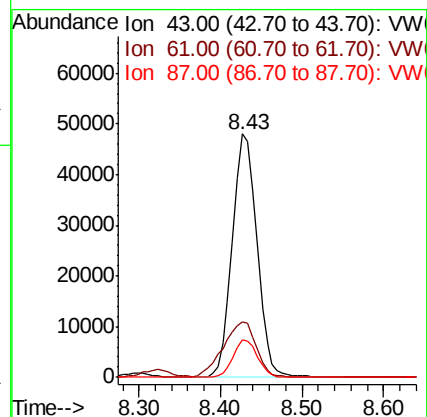
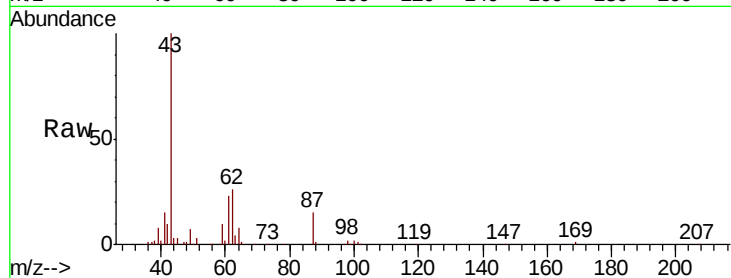
Tot Ion: 43 Resp: 99920

Ion Ratio Lower Upper

43 100

61 30.7 25.5 38.3

87 15.2 11.7 17.5



#44

Trichloroethene

Concen: 56.285 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VW006515.D

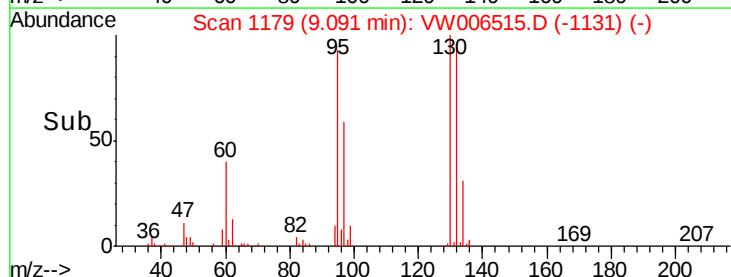
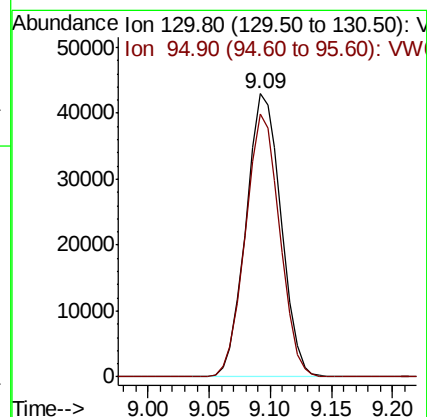
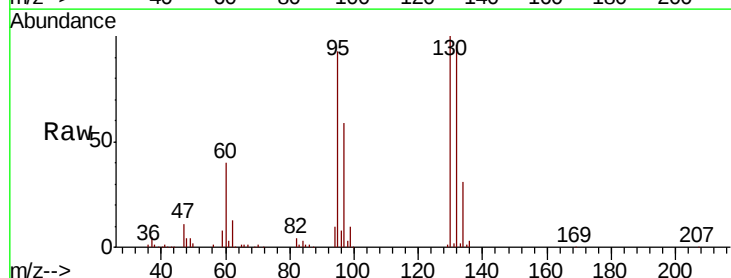
Acq: 30 Oct 2018 21:02

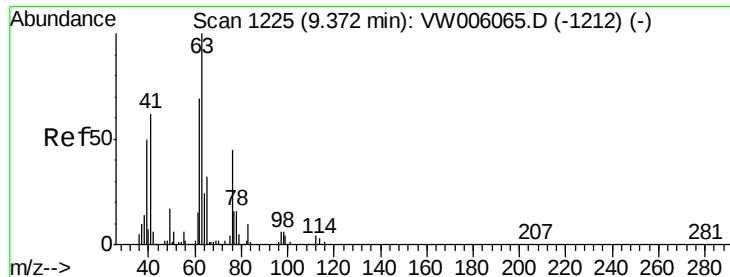
Tgt Ion: 130 Resp: 85532

Ion Ratio Lower Upper

130 100

95 93.1 0.0 183.2

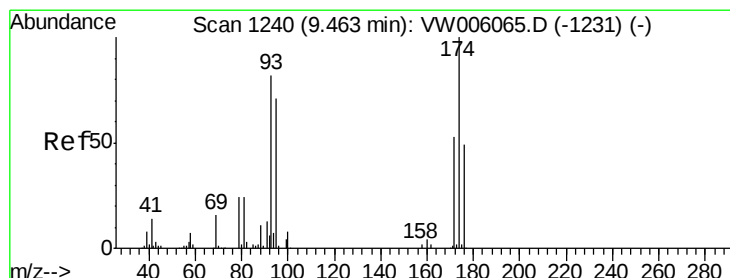
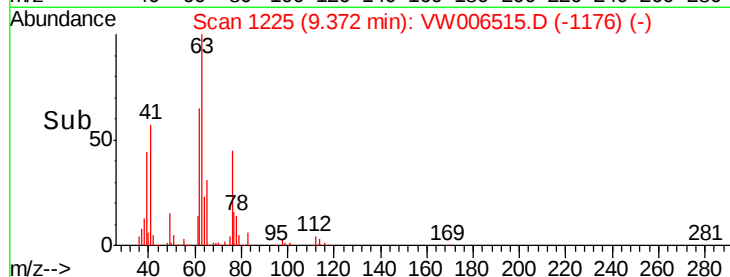
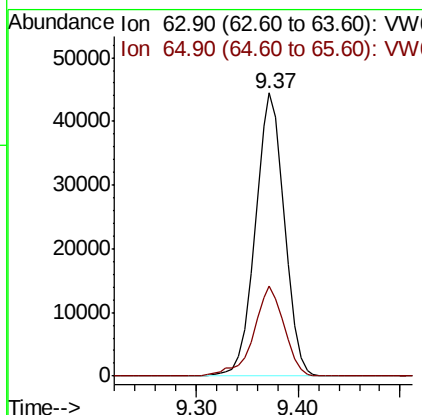
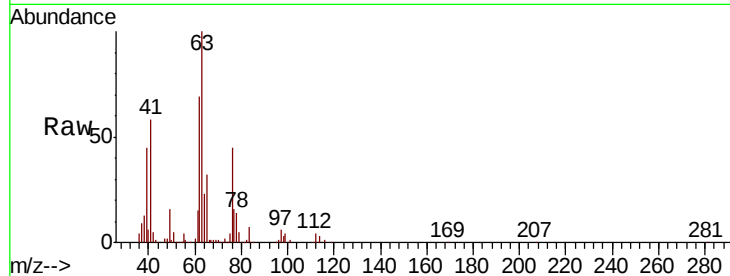




#45
 1,2-Dichloropropane
 Concen: 74.181 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW006515.D
 Acq: 30 Oct 2018 21:02

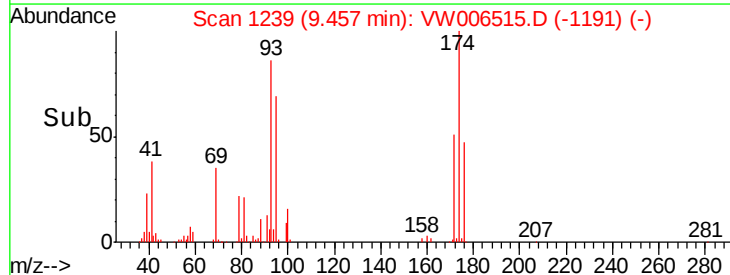
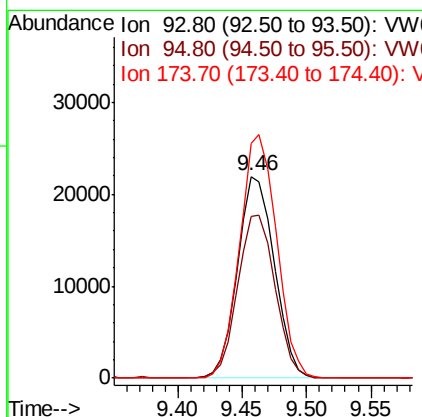
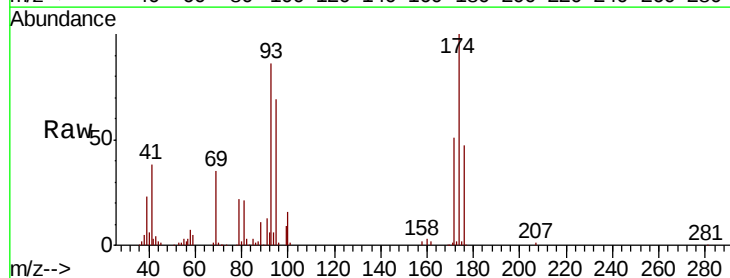
Instrument :
 MSVOA_W
 ClientSampleId :
 DL-03AMSD

Tot Ion: 63 Resp: 87924
 Ion Ratio Lower Upper
 63 100
 65 32.0 25.4 38.0



#46
 Dibromomethane
 Concen: 64.455 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.01 min
 Lab File: VW006515.D
 Acq: 30 Oct 2018 21:02

Tgt Ion: 93 Resp: 43542
 Ion Ratio Lower Upper
 93 100
 95 82.0 67.7 101.5
 174 120.7 93.7 140.5

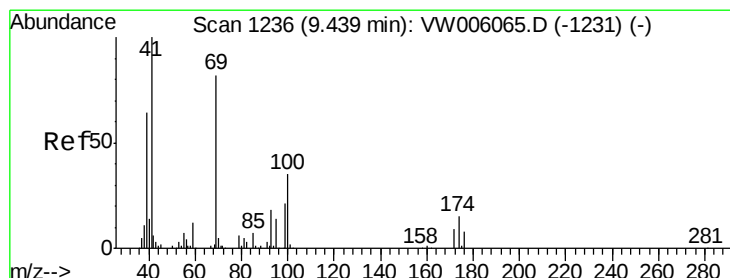
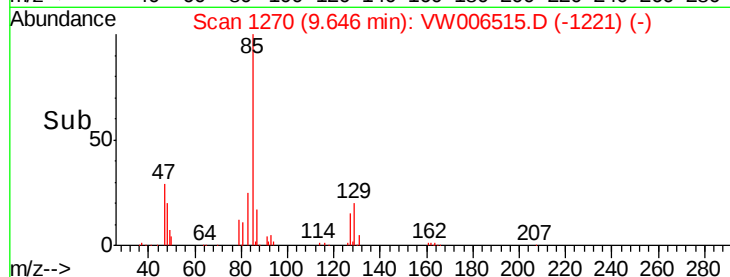
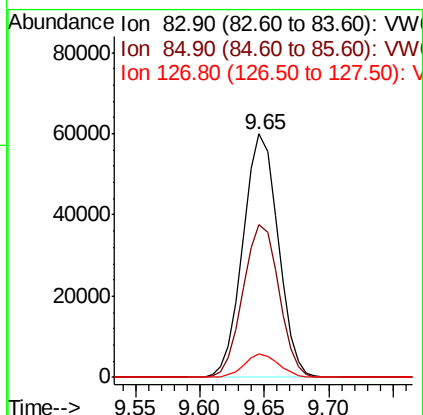
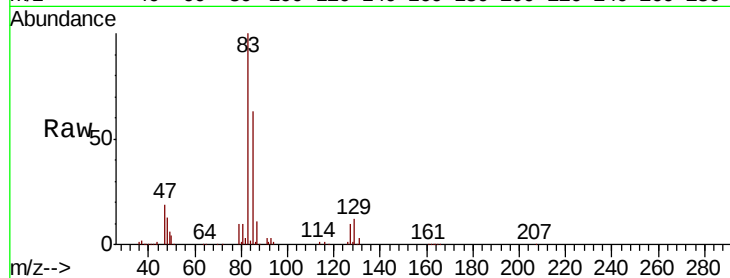




#47
Bromodichloromethane
Concen: 69.239 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VW006515.D
Acq: 30 Oct 2018 21:02

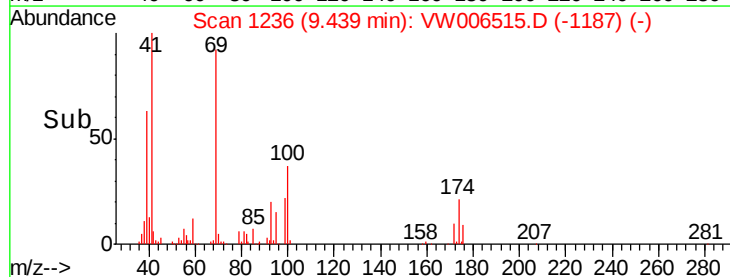
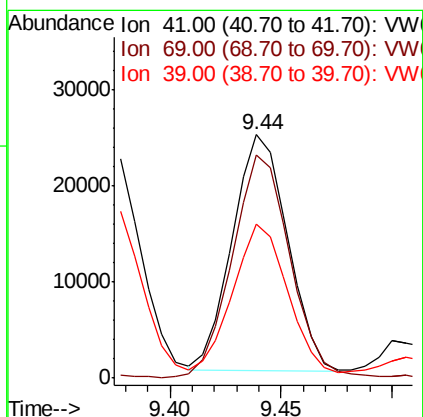
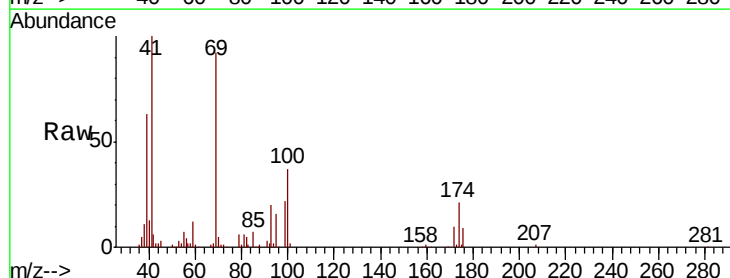
Instrument :
MSVOA_W
ClientSampled :
DL-03AMSD

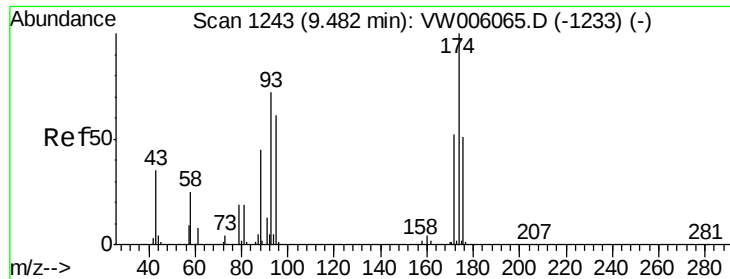
Tot Ion	83	Resp	113401
Ion Ratio	Lower	Upper	
83	100		
85	62.9	51.8	77.8
127	9.6	6.9	10.3



#48
Methyl methacrylate
Concen: 65.269 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VW006515.D
Acq: 30 Oct 2018 21:02

Tgt Ion	41	Resp	42439
Ion Ratio	Lower	Upper	
41	100		
69	97.9	71.8	107.8
39	66.4	52.5	78.7





#49

1,4-Dioxane

Concen: 1449.745 ug/l

RT: 9.48 min Scan# 1243

Delta R.T. -0.00 min

Lab File: VW006515.D

Acq: 30 Oct 2018 21:02

Instrument :

MSVOA_W

ClientSampleId :

DL-03AMSD

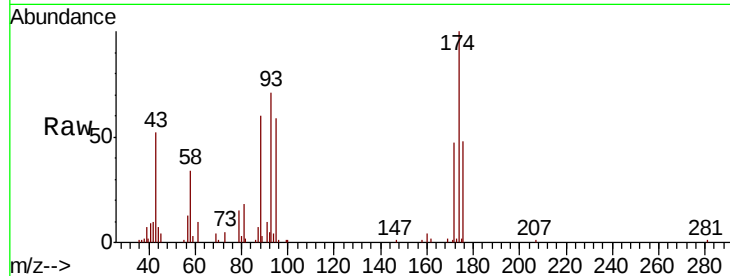
Tot Ion: 88 Resp: 15077

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 64.1 51.2 76.8

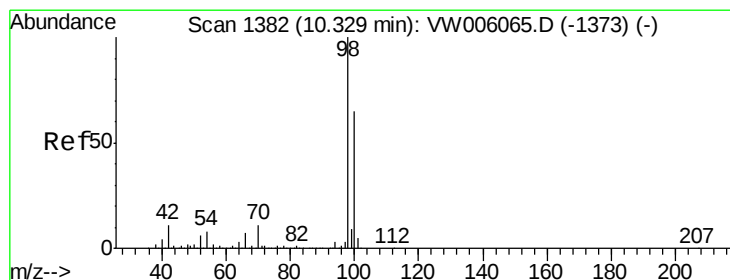
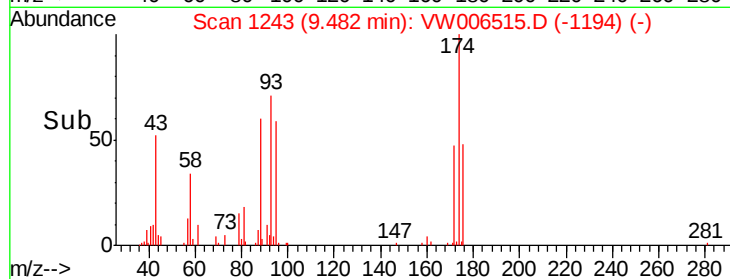
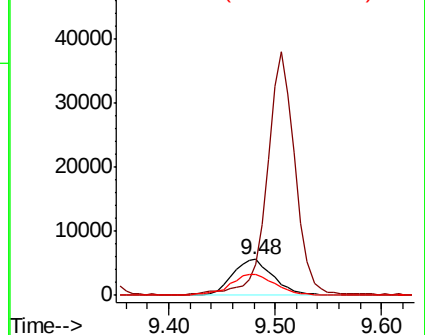


Abundance

Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 54.924 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW006515.D

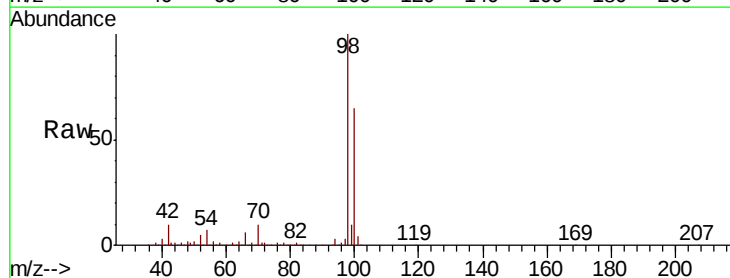
Acq: 30 Oct 2018 21:02

Tgt Ion: 98 Resp: 241889

Ion Ratio Lower Upper

98 100

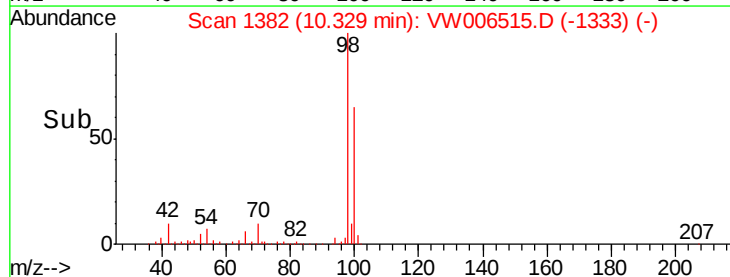
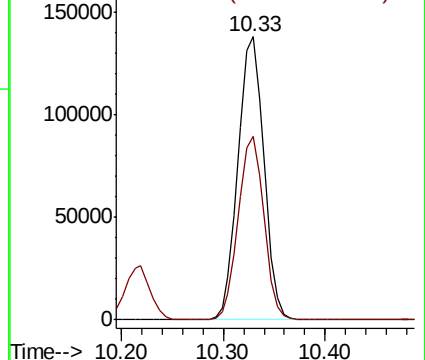
100 64.1 51.6 77.4

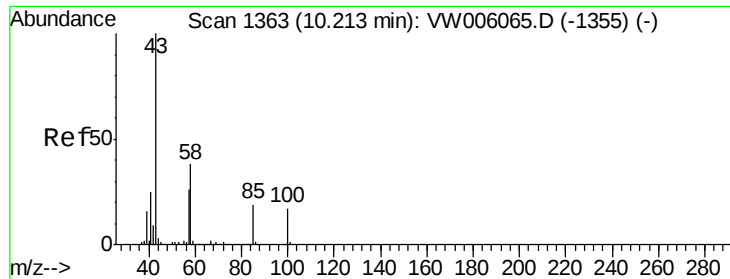


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 363.695 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW006515.D

Acq: 30 Oct 2018 21:02

Instrument :

MSVOA_W

ClientSampleId :

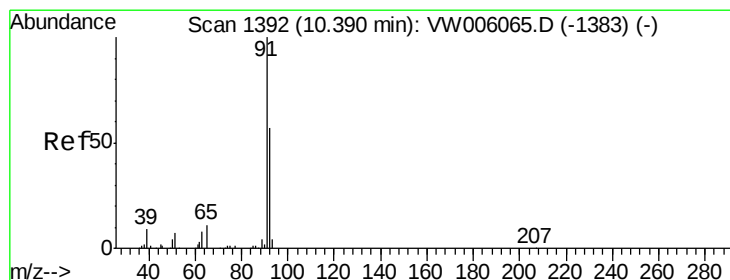
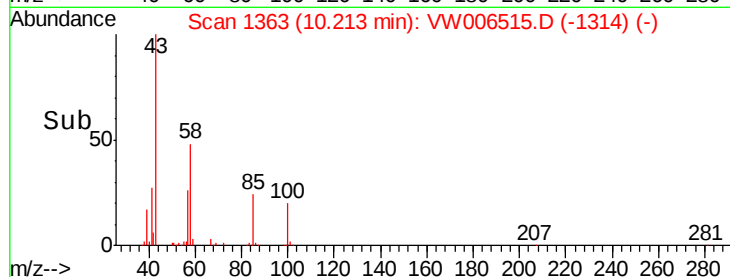
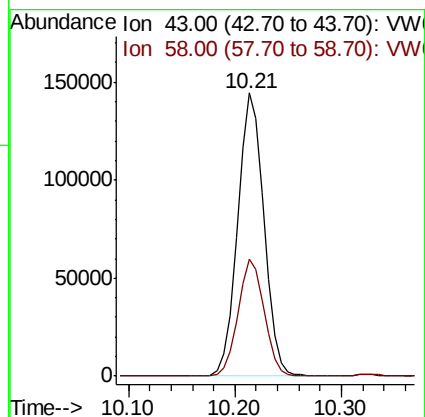
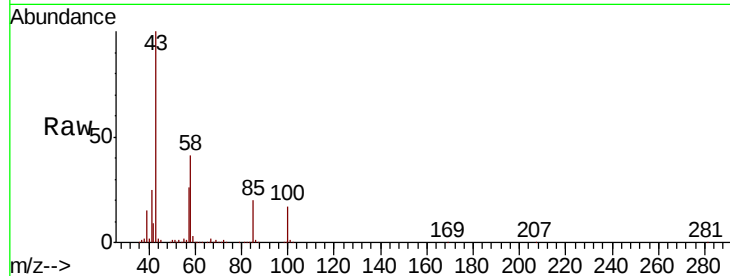
DL-03AMSD

Tot Ion: 43 Resp: 249963

Ion Ratio Lower Upper

43 100

58 41.3 31.5 47.3



#52

Toluene

Concen: 62.449 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW006515.D

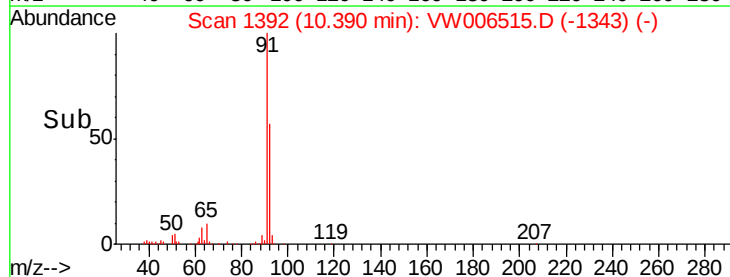
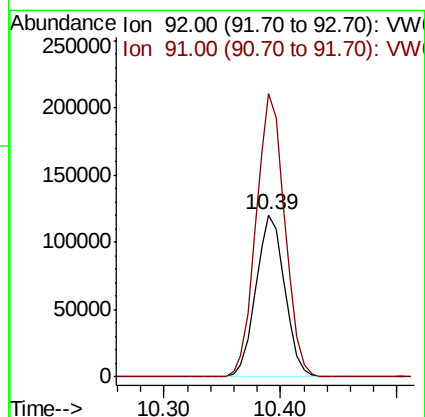
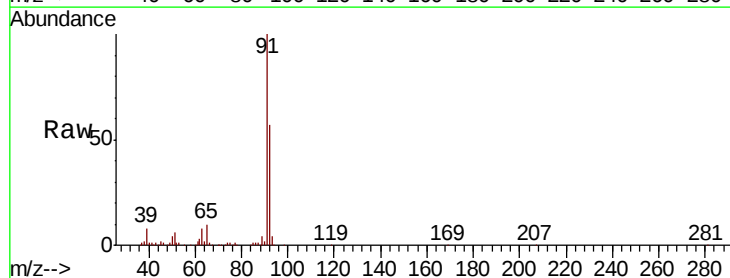
Acq: 30 Oct 2018 21:02

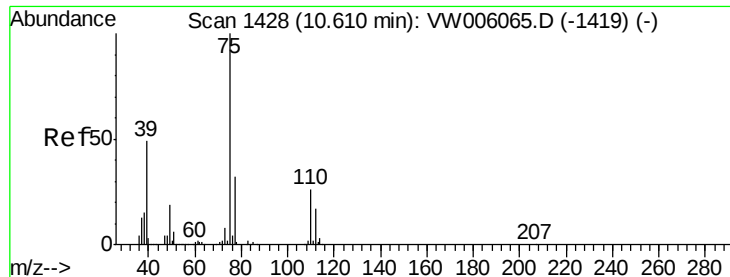
Tgt Ion: 92 Resp: 207376

Ion Ratio Lower Upper

92 100

91 175.1 140.0 210.0





#53

t-1,3-Dichloropropene

Concen: 48.399 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW006515.D

Acq: 30 Oct 2018 21:02

Instrument :

MSVOA_W

ClientSampled :

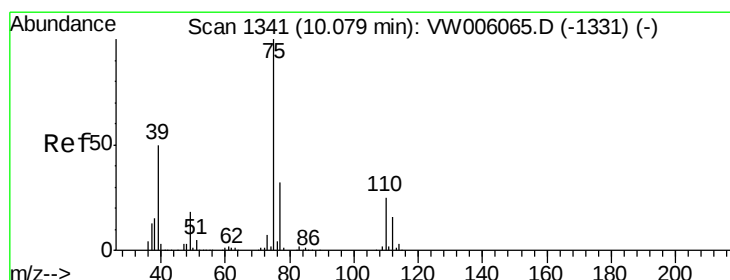
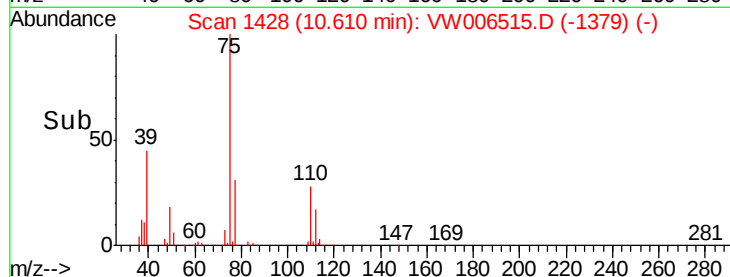
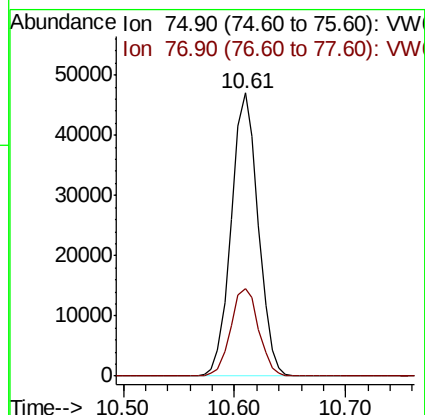
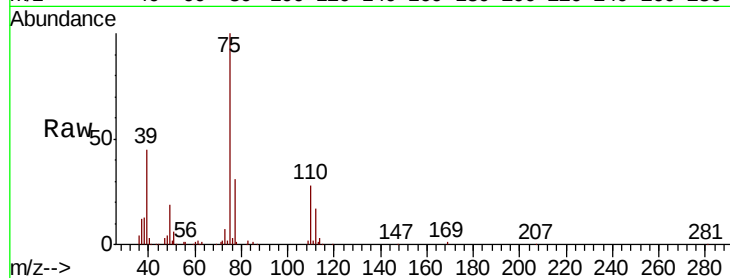
DL-03AMSD

Tot Ion: 75 Resp: 78977

Ion Ratio Lower Upper

75 100

77 31.1 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 57.578 ug/l

RT: 10.08 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VW006515.D

Acq: 30 Oct 2018 21:02

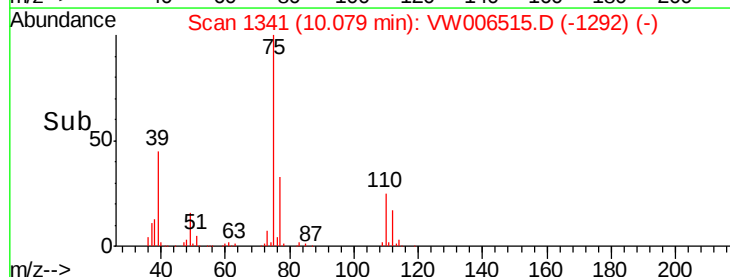
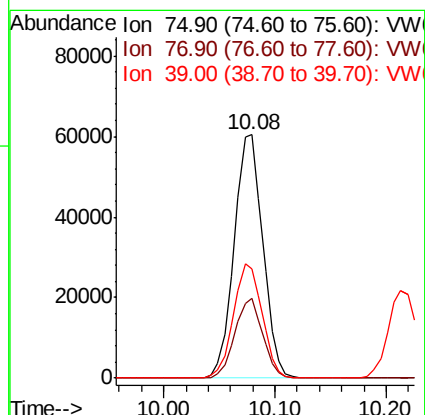
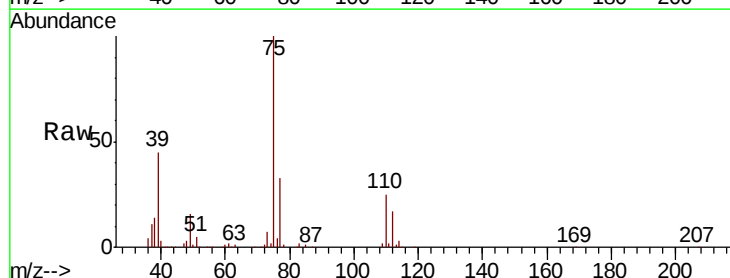
Tgt Ion: 75 Resp: 107833

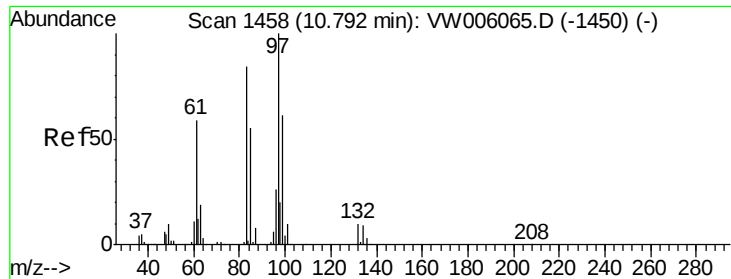
Ion Ratio Lower Upper

75 100

77 32.8 25.2 37.8

39 45.0 39.9 59.9

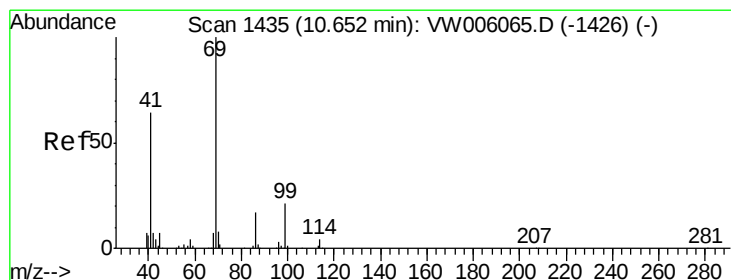
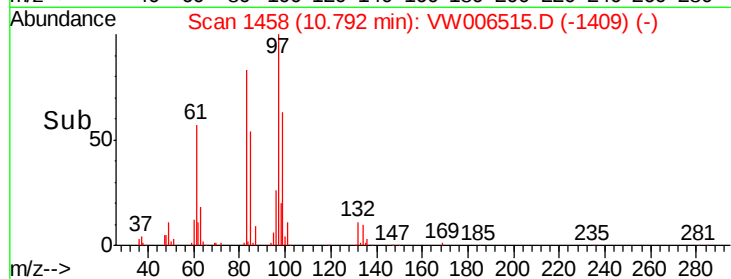
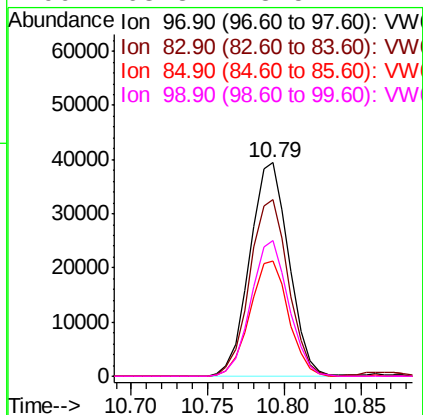
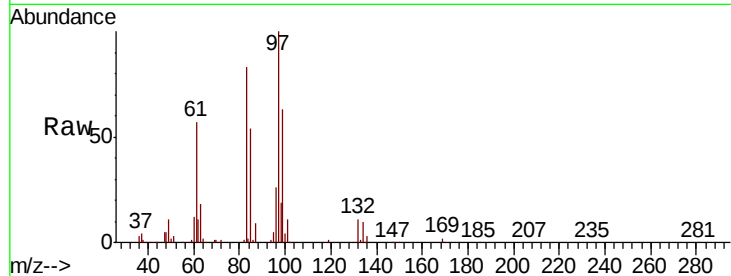




#55
 1,1,2-Trichloroethane
 Concen: 74.424 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. -0.00 min
 Lab File: VW006515.D
 Acq: 30 Oct 2018 21:02

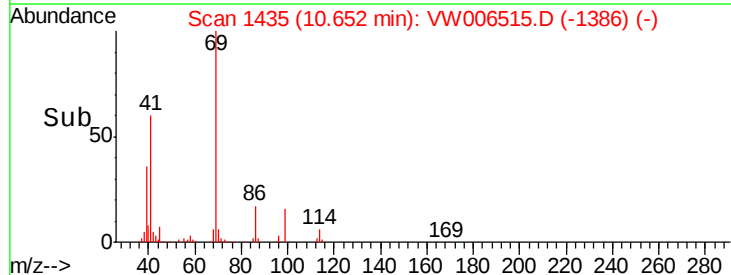
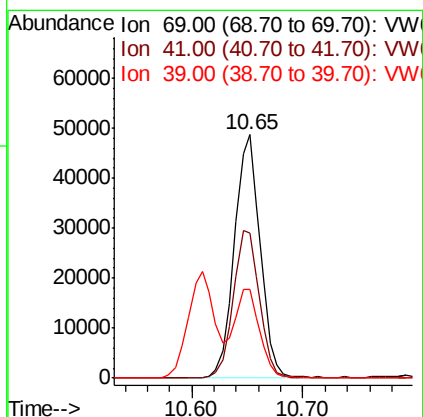
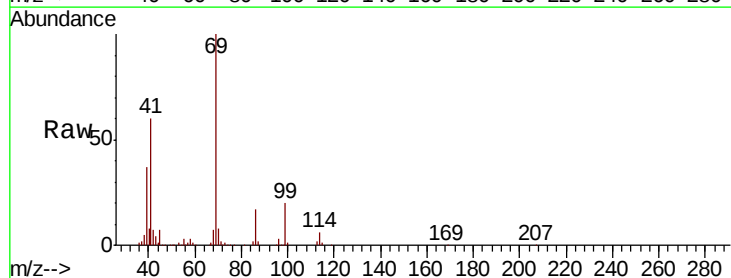
Instrument :
 MSVOA_W
 ClientSampleId :
 DL-03AMSD

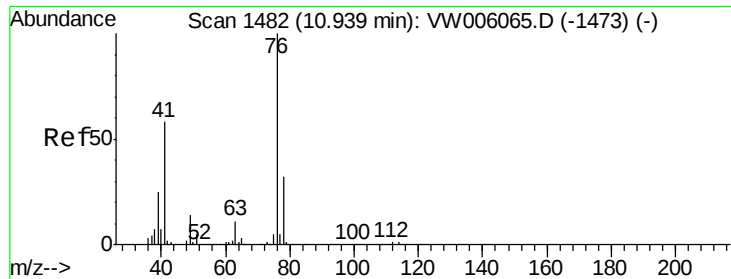
Tot Ion:	97	Resp:	70357
Ion	Ratio	Lower	Upper
97	100		
83	82.9	67.2	100.8
85	53.9	43.7	65.5
99	63.3	48.5	72.7



#56
 Ethyl methacrylate
 Concen: 66.388 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. -0.00 min
 Lab File: VW006515.D
 Acq: 30 Oct 2018 21:02

Tgt Ion:	69	Resp:	76939
Ion	Ratio	Lower	Upper
69	100		
41	62.9	52.8	79.2
39	37.1	30.6	45.8

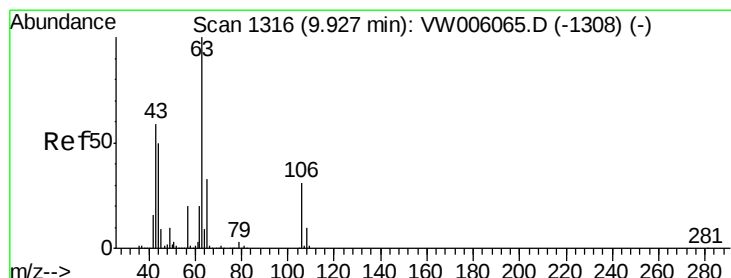
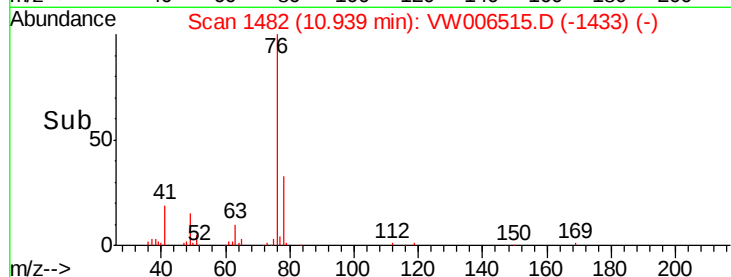
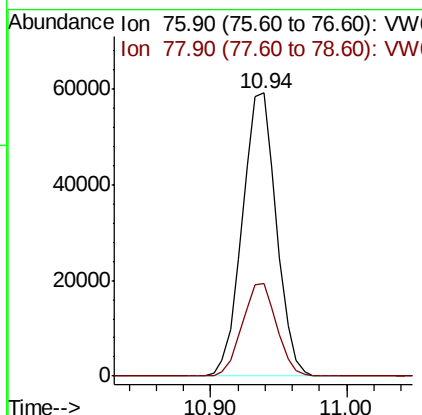
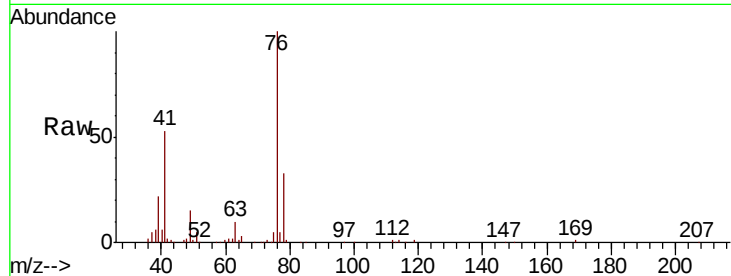




#57
 1,3-Dichloropropane
 Concen: 66.063 ug/l
 RT: 10.94 min Scan# 1482
 Delta R.T. -0.00 min
 Lab File: VW006515.D
 Acq: 30 Oct 2018 21:02

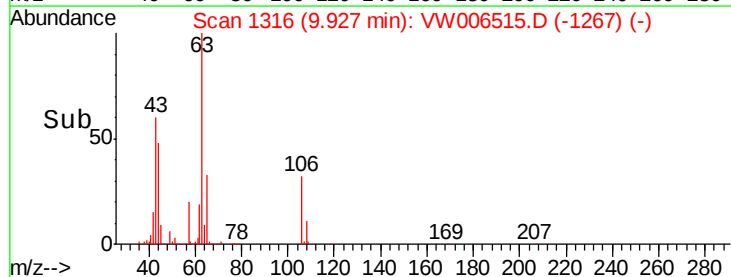
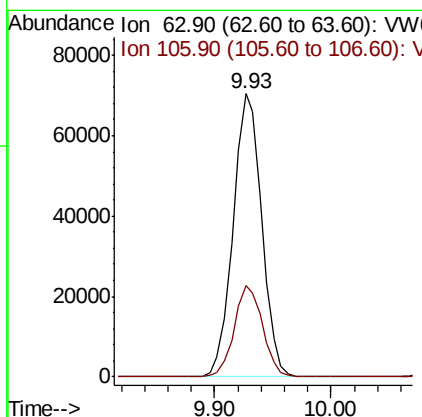
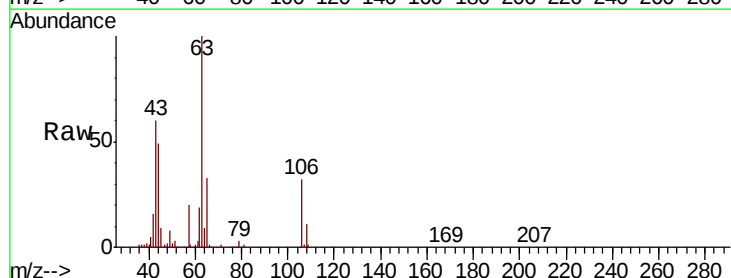
Instrument :
 MSVOA_W
 ClientSampleId :
 DL-03AMSD

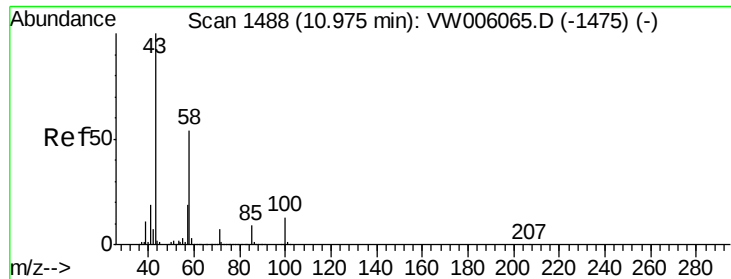
Tot Ion: 76 Resp: 103384
 Ion Ratio Lower Upper
 76 100
 78 33.2 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 271.398 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW006515.D
 Acq: 30 Oct 2018 21:02

Tgt Ion: 63 Resp: 120185
 Ion Ratio Lower Upper
 63 100
 106 32.0 24.5 36.7

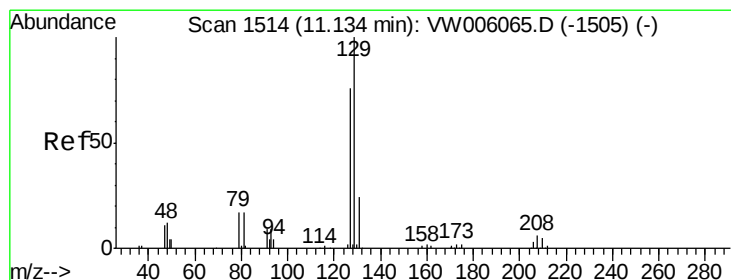
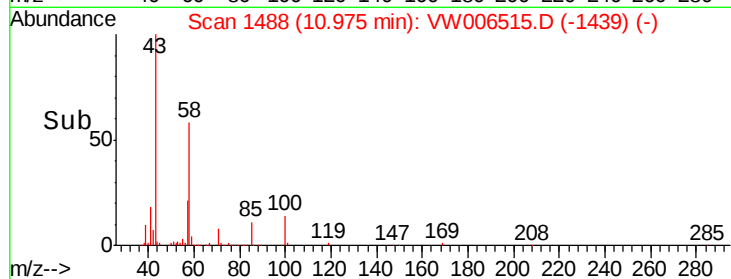
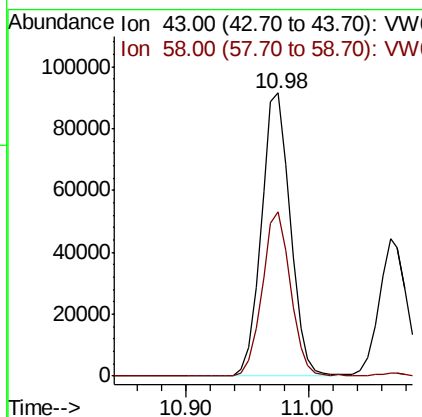
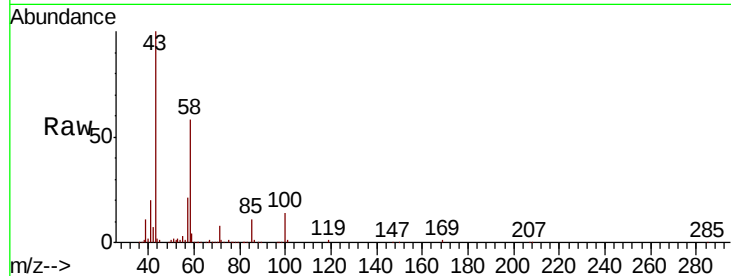




#59
2-Hexanone
Concen: 307.517 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VW006515.D
Acq: 30 Oct 2018 21:02

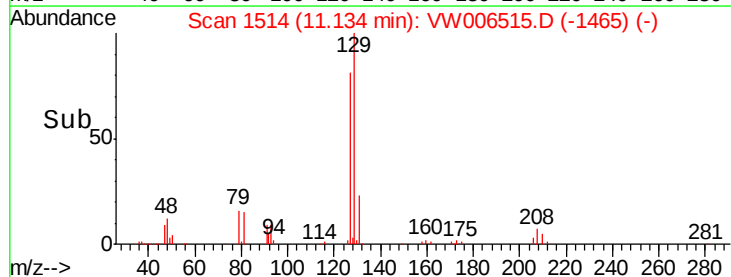
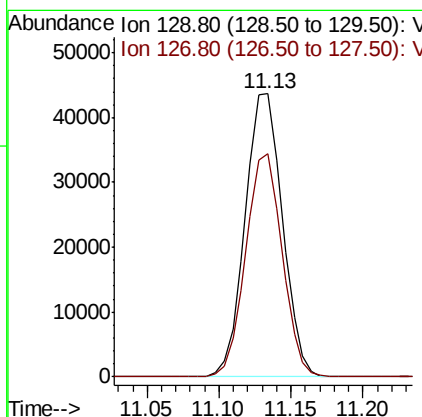
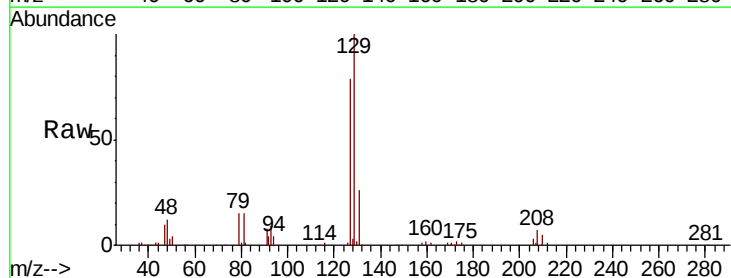
Instrument :
MSVOA_W
ClientSampled :
DL-03AMSD

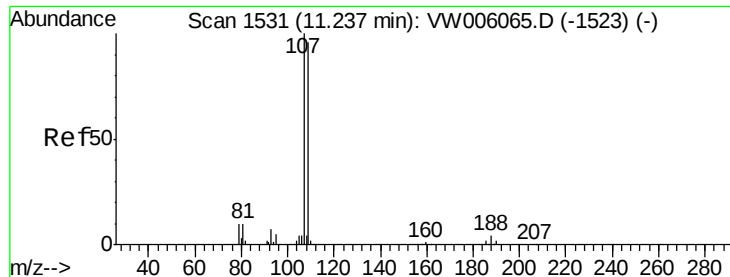
Tot Ion: 43 Resp: 150871
Ion Ratio Lower Upper
43 100
58 56.8 26.9 80.6



#60
Dibromochloromethane
Concen: 66.618 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VW006515.D
Acq: 30 Oct 2018 21:02

Tgt Ion: 129 Resp: 78444
Ion Ratio Lower Upper
129 100
127 76.8 38.6 115.7

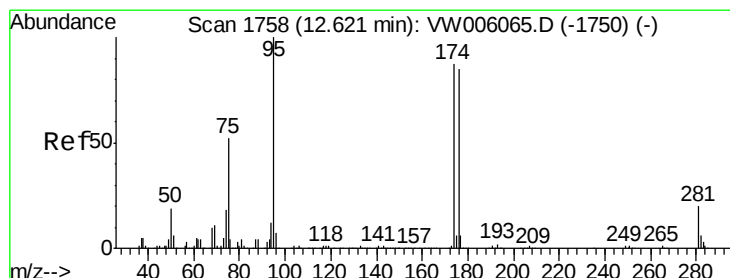
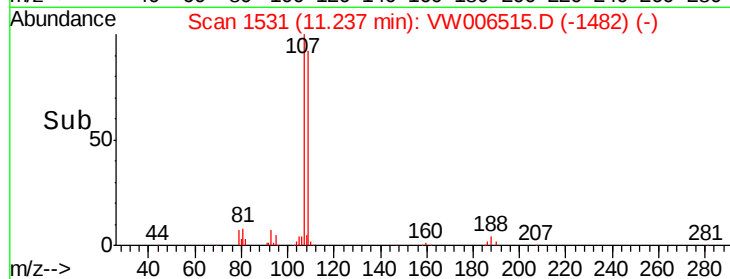
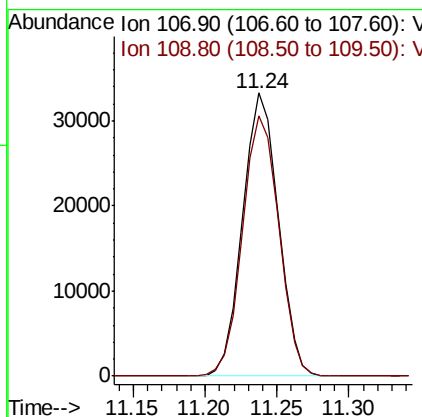
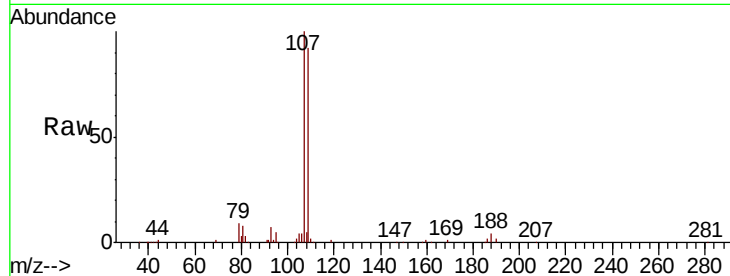




#61
 1,2-Dibromoethane
 Concen: 60.519 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW006515.D
 Acq: 30 Oct 2018 21:02

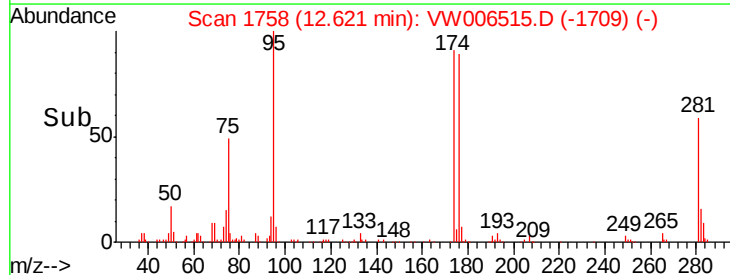
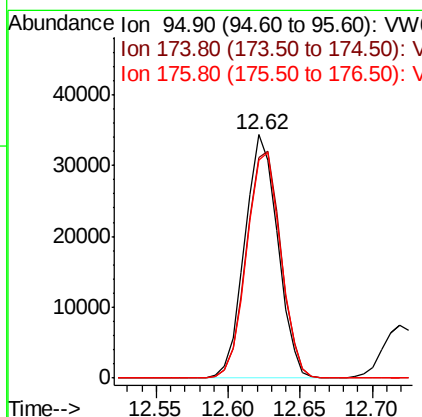
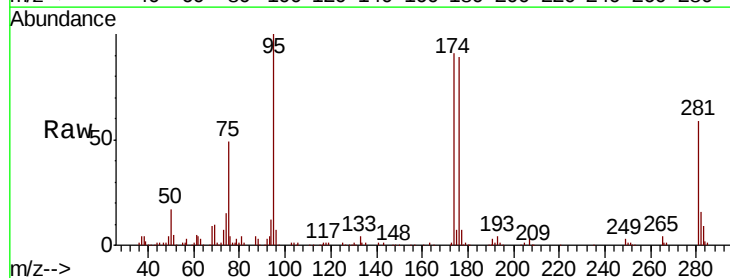
Instrument :
 MSVOA_W
 ClientSampleId :
 DL-03AMSD

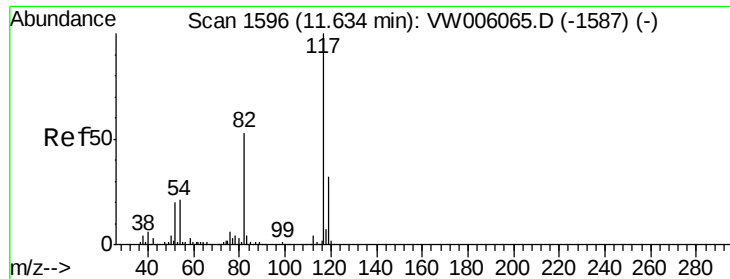
Tot Ion: 107 Resp: 57165
 Ion Ratio Lower Upper
 107 100
 109 93.9 76.3 114.5



#62
 4-Bromofluorobenzene
 Concen: 33.060 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW006515.D
 Acq: 30 Oct 2018 21:02

Tgt Ion: 95 Resp: 54685
 Ion Ratio Lower Upper
 95 100
 174 96.6 0.0 186.0
 176 95.1 0.0 181.6

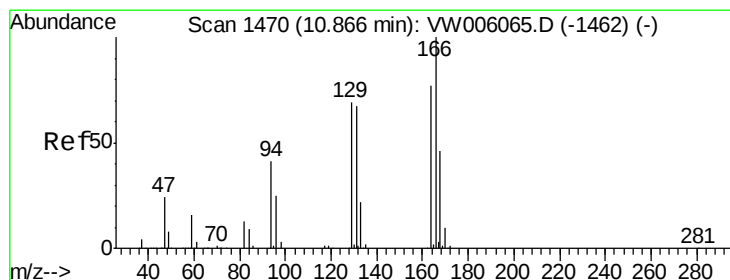
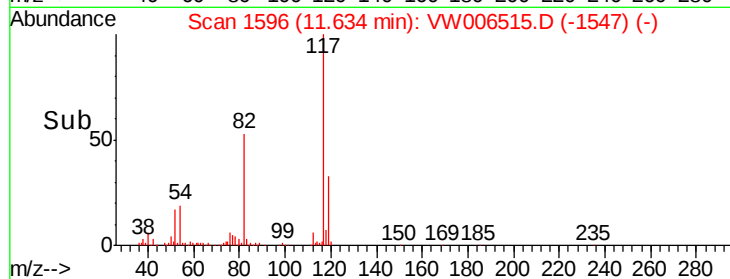
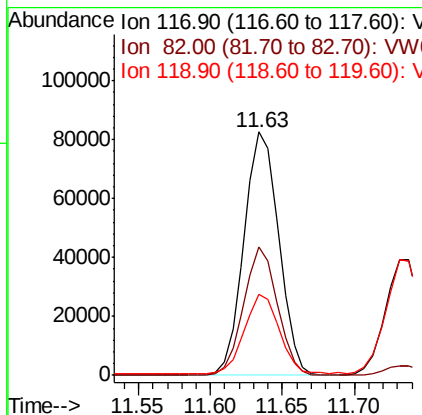
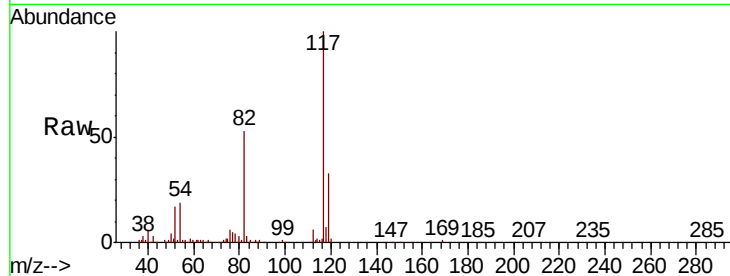




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW006515.D
Acq: 30 Oct 2018 21:02

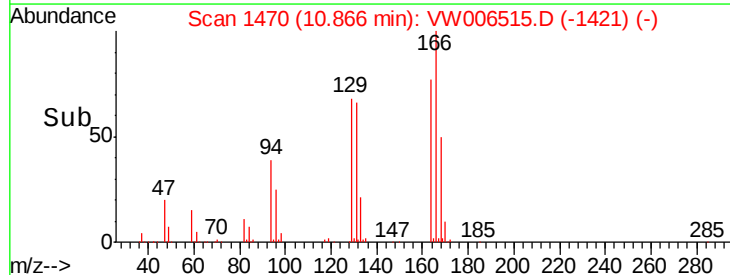
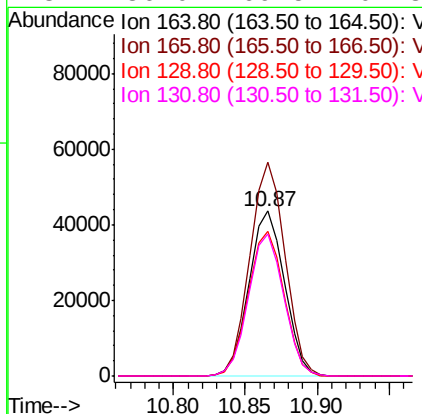
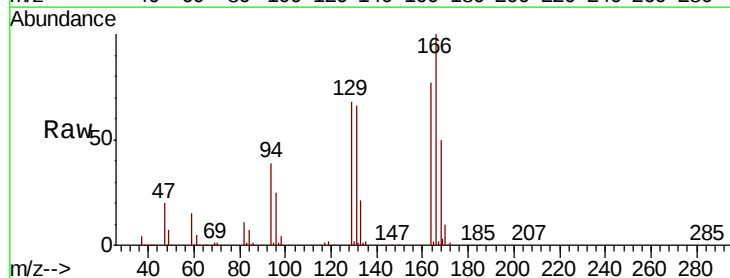
Instrument :
MSVOA_W
ClientSampleId :
DL-03AMSD

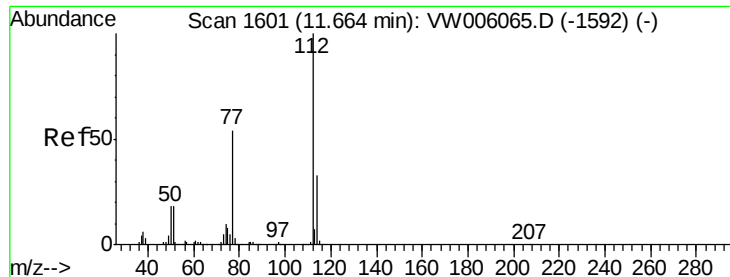
Tot Ion:117 Resp: 138135
Ion Ratio Lower Upper
117 100
82 53.0 42.1 63.1
119 32.5 25.8 38.6



#64
Tetrachloroethene
Concen: 69.316 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW006515.D
Acq: 30 Oct 2018 21:02

Tgt Ion:164 Resp: 74331
Ion Ratio Lower Upper
164 100
166 129.5 103.4 155.0
129 87.6 71.8 107.8
131 86.0 69.5 104.3

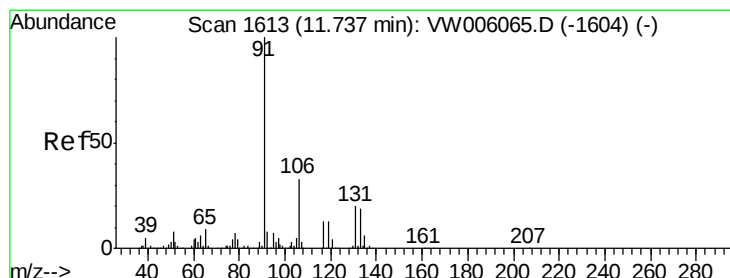
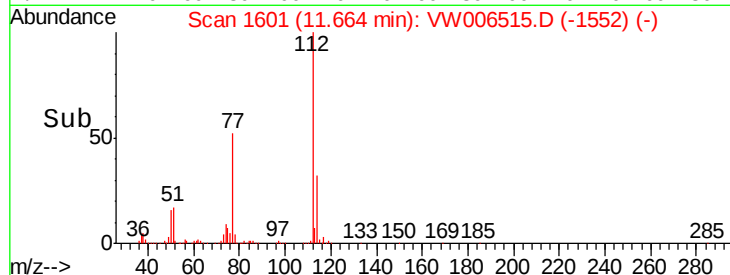
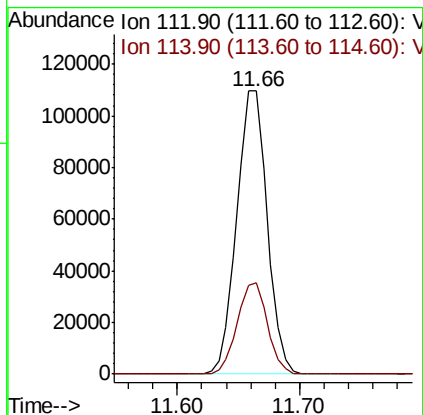
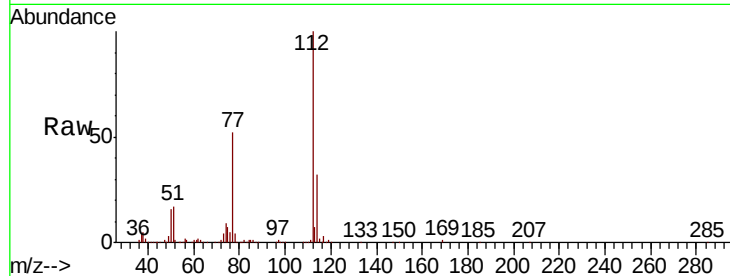




#65
Chlorobenzene
Concen: 64.039 ug/l
RT: 11.66 min Scan# 1601
Delta R.T. -0.00 min
Lab File: VW006515.D
Acq: 30 Oct 2018 21:02

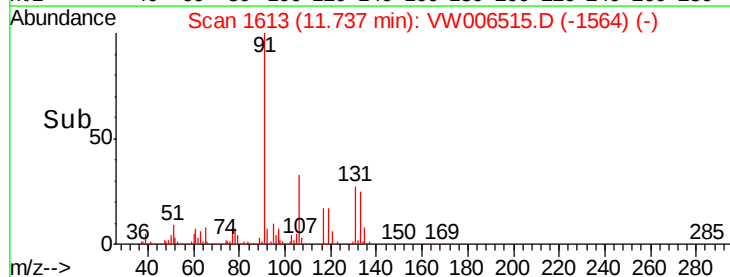
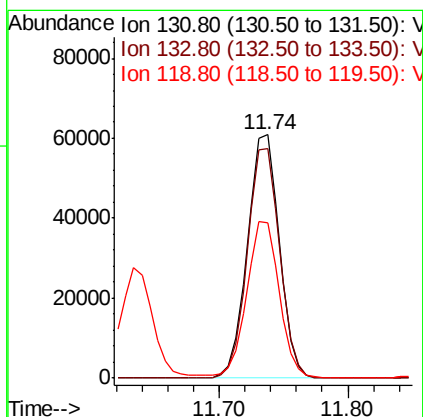
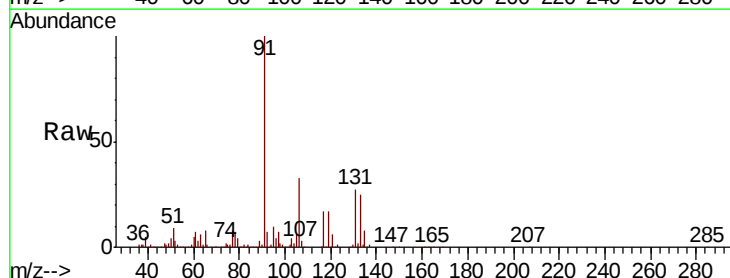
Instrument :
MSVOA_W
ClientSampleId :
DL-03AMSD

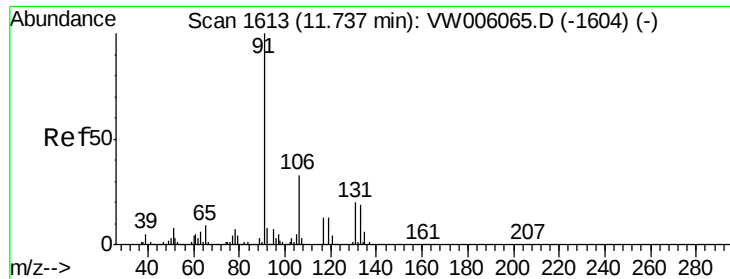
Tot Ion:112 Resp: 189367
Ion Ratio Lower Upper
112 100
114 32.5 26.2 39.2



#66
1,1,1,2-Tetrachloroethane
Concen: 98.531 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. -0.00 min
Lab File: VW006515.D
Acq: 30 Oct 2018 21:02

Tgt Ion:131 Resp: 103545
Ion Ratio Lower Upper
131 100
133 95.4 48.1 144.3
119 65.0 31.6 94.7





#67

Ethyl Benzene

Concen: 70.386 ug/l

RT: 11.74 min Scan# 1613

Delta R.T. -0.00 min

Lab File: VW006515.D

Acq: 30 Oct 2018 21:02

Instrument :

MSVOA_W

ClientSampled :

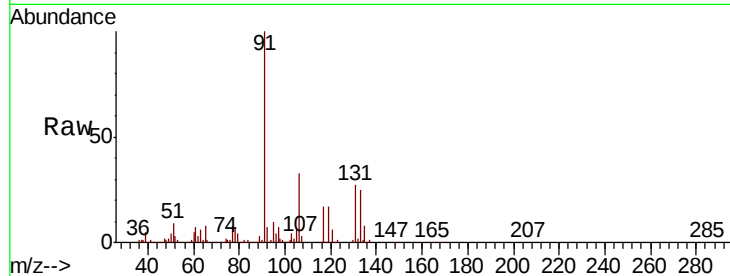
DL-03AMSD

Tot Ion: 91 Resp: 360708

Ion Ratio Lower Upper

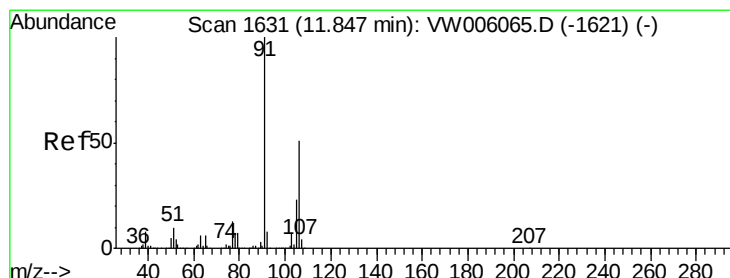
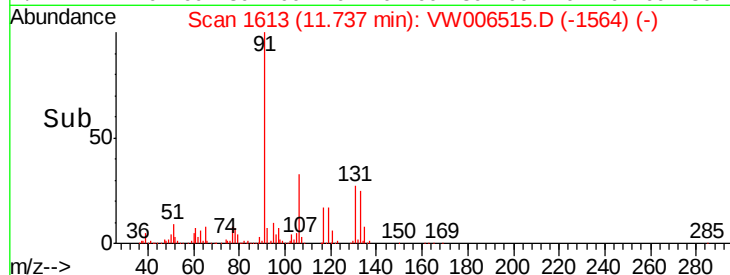
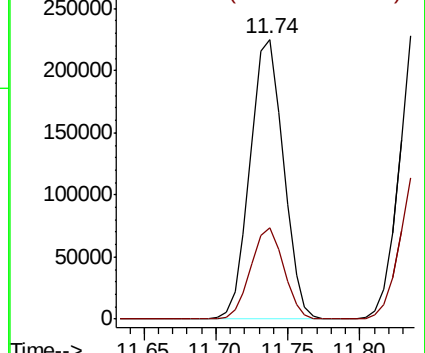
91 100

106 32.7 26.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 136.033 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.01 min

Lab File: VW006515.D

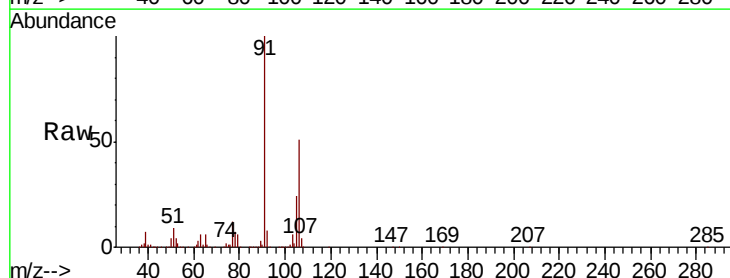
Acq: 30 Oct 2018 21:02

Tgt Ion:106 Resp: 275541

Ion Ratio Lower Upper

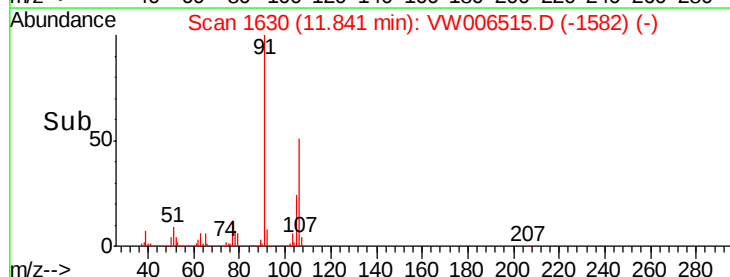
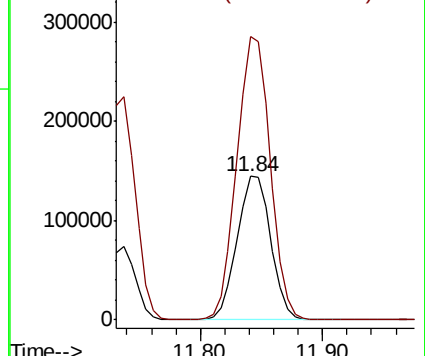
106 100

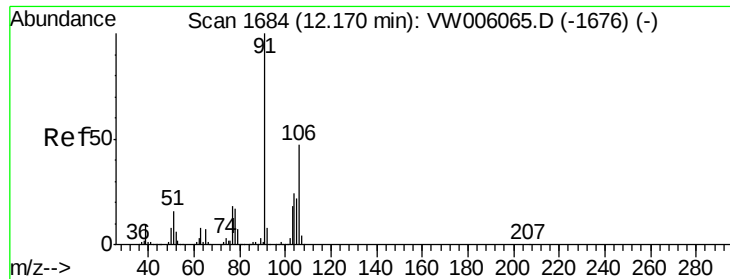
91 196.1 159.1 238.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

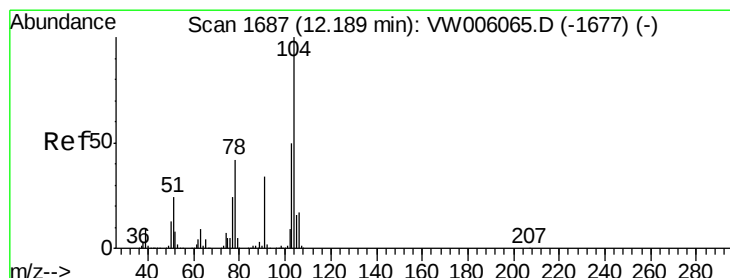
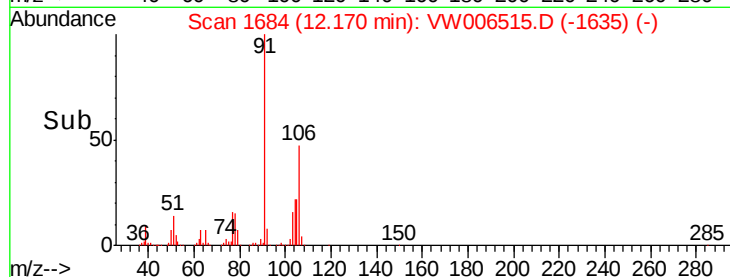
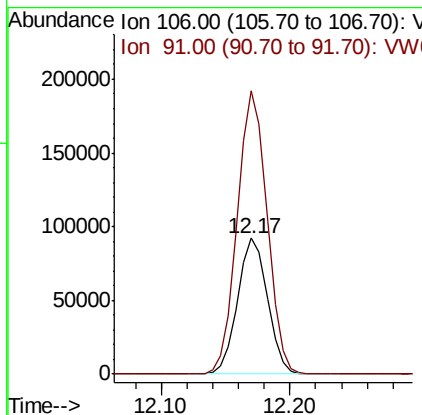
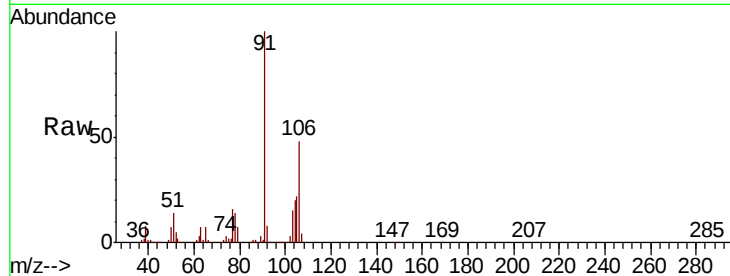




#69
o-Xylene
Concen: 76.453 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW006515.D
Acq: 30 Oct 2018 21:02

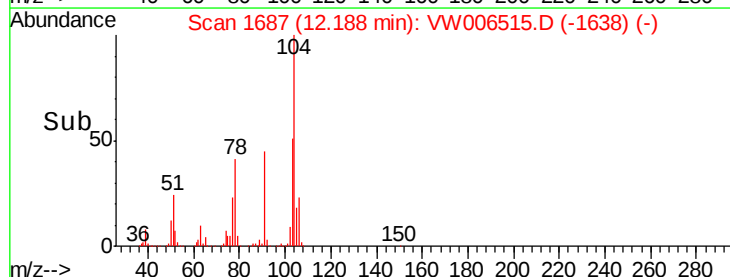
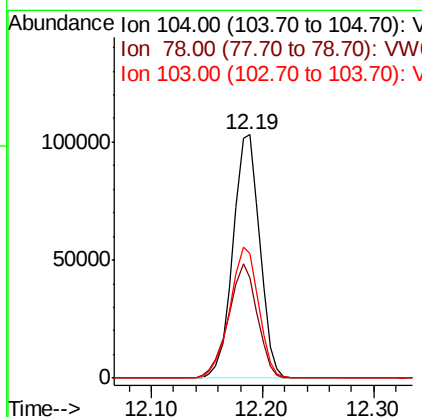
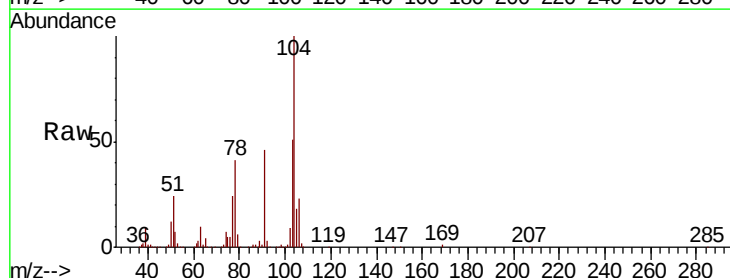
Instrument :
MSVOA_W
ClientSampled :
DL-03AMSD

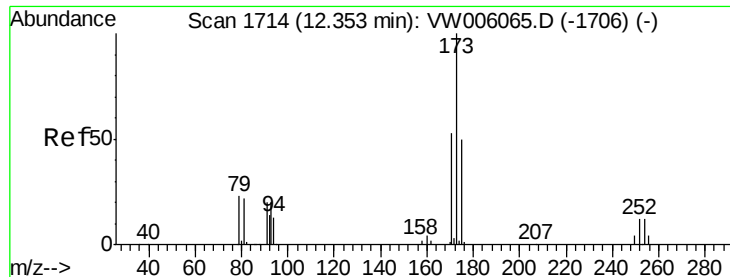
Tot Ion:106 Resp: 147585
Ion Ratio Lower Upper
106 100
91 208.7 105.4 316.1



#70
Styrene
Concen: 54.652 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VW006515.D
Acq: 30 Oct 2018 21:02

Tgt Ion:104 Resp: 171558
Ion Ratio Lower Upper
104 100
78 50.3 39.1 58.7
103 58.1 44.3 66.5

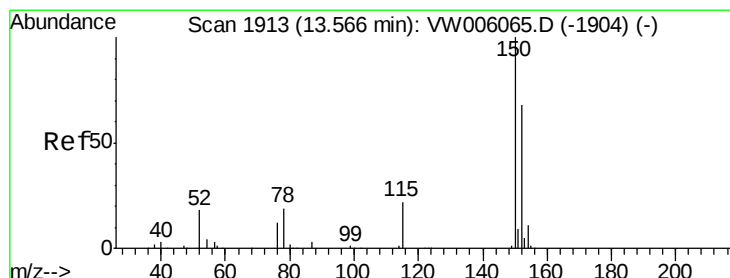
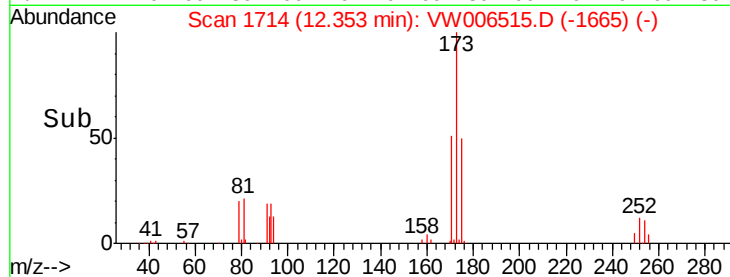
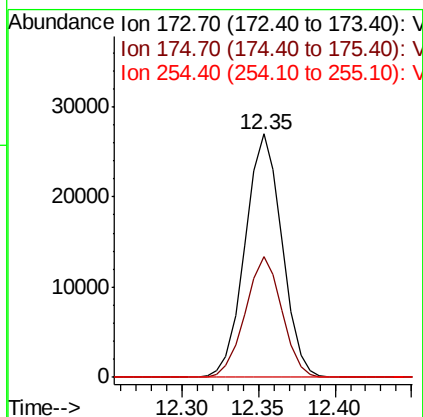
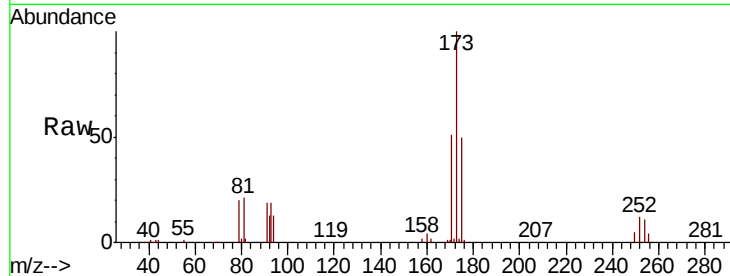




#71
Bromoform
Concen: 77.159 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. -0.00 min
Lab File: VW006515.D
Acq: 30 Oct 2018 21:02

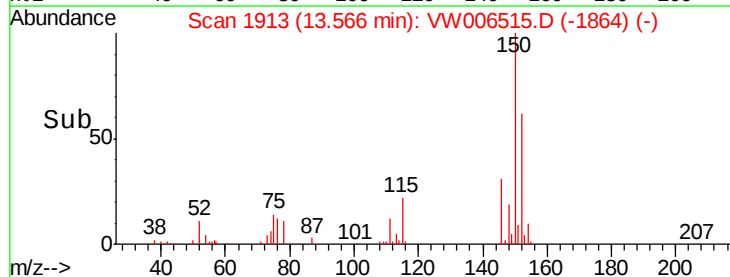
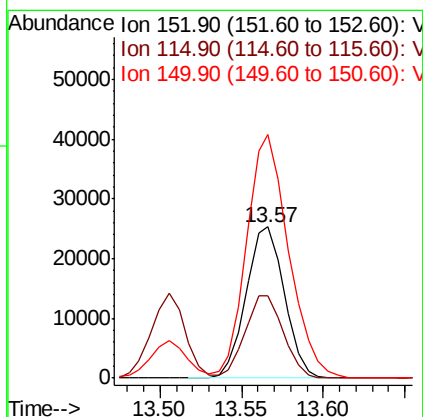
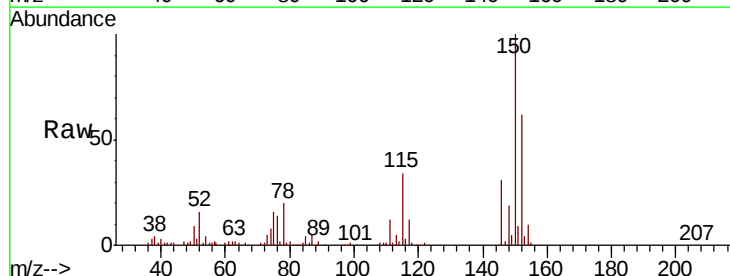
Instrument :
MSVOA_W
ClientSampleId :
DL-03AMSD

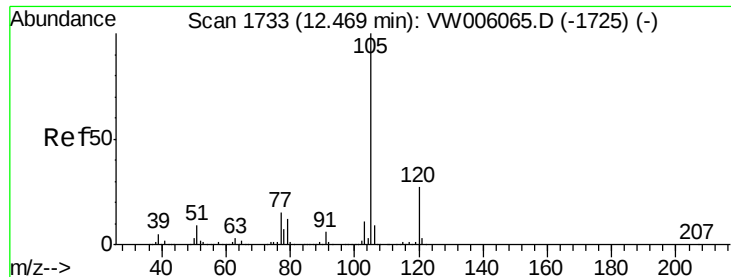
Tot Ion:173 Resp: 45227
Ion Ratio Lower Upper
173 100
175 49.1 24.2 72.6
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW006515.D
Acq: 30 Oct 2018 21:02

Tgt Ion:152 Resp: 41293
Ion Ratio Lower Upper
152 100
115 55.0 27.8 83.3
150 176.8 0.0 349.2





#73

Isopropylbenzene

Concen: 131.947 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW006515.D

Acq: 30 Oct 2018 21:02

Instrument :

MSVOA_W

ClientSampleId :

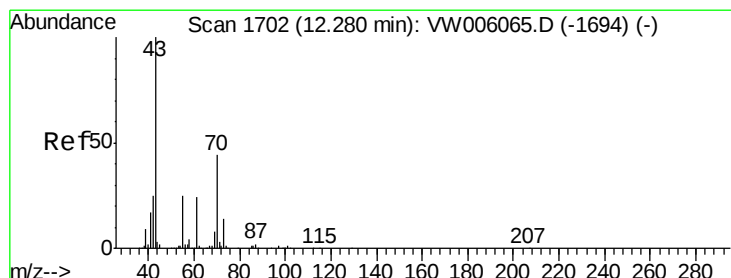
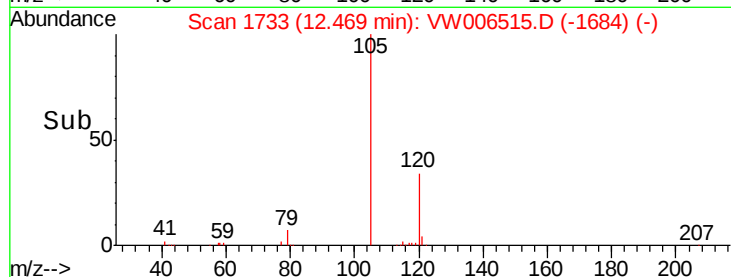
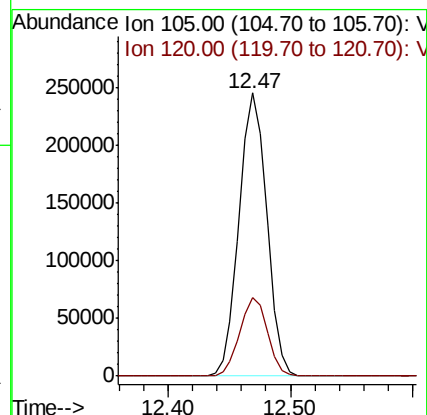
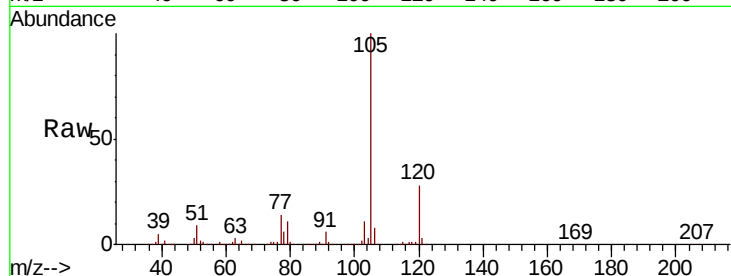
DL-03AMSD

Tot Ion:105 Resp: 384919

Ion Ratio Lower Upper

105 100

120 27.7 13.6 40.7



#74

N-ethyl acetate

Concen: 114.533 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VW006515.D

Acq: 30 Oct 2018 21:02

Tgt Ion: 43 Resp: 64895

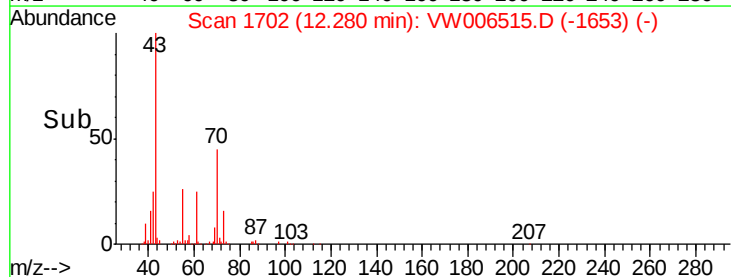
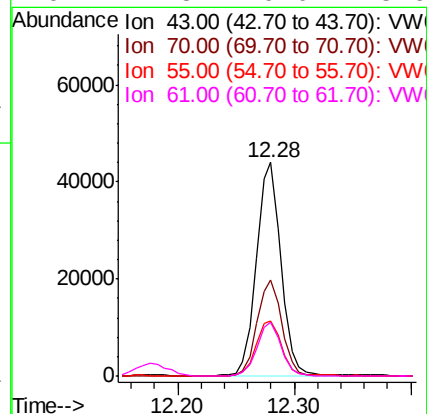
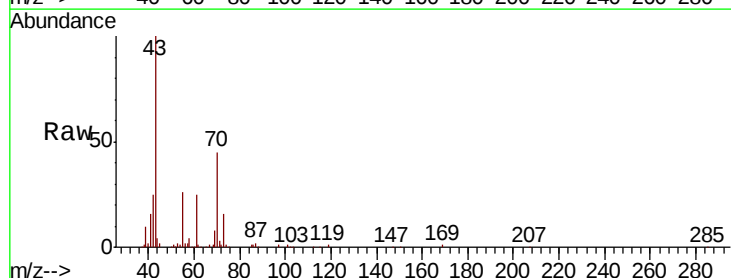
Ion Ratio Lower Upper

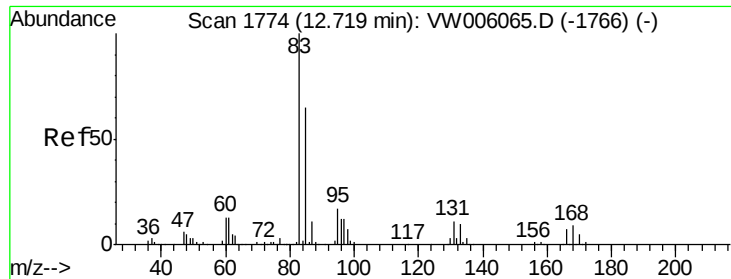
43 100

70 46.1 34.2 51.4

55 27.1 19.2 28.8

61 24.8 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 166.037 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW006515.D

Acq: 30 Oct 2018 21:02

Instrument :

MSVOA_W

ClientSampleId :

DL-03AMSD

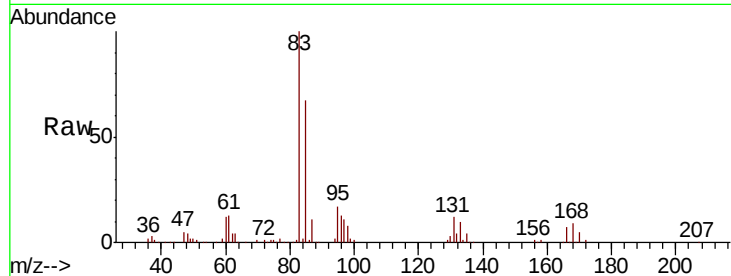
Tot Ion: 83 Resp: 73670

Ion Ratio Lower Upper

83 100

131 11.7 5.9 17.7

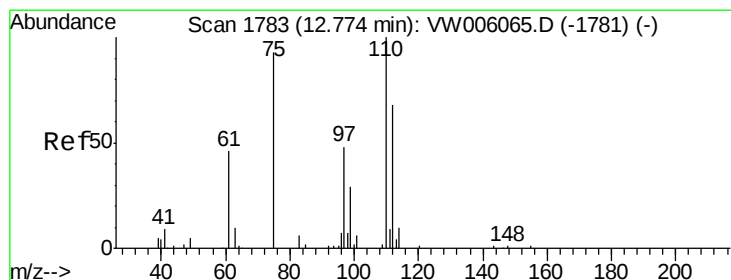
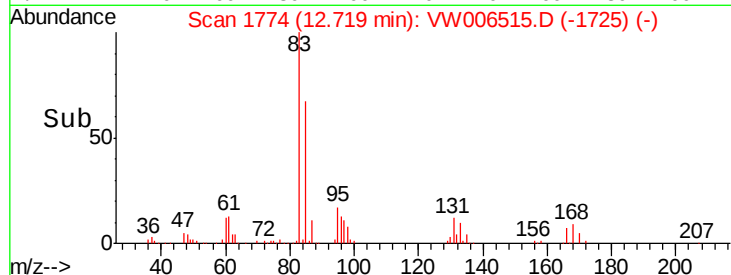
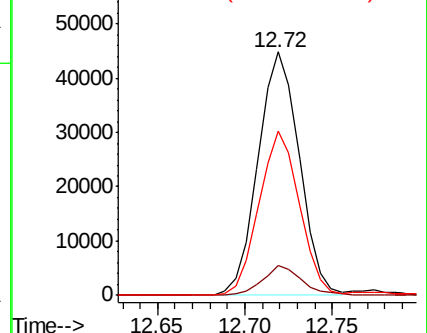
85 66.3 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 249.133 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VW006515.D

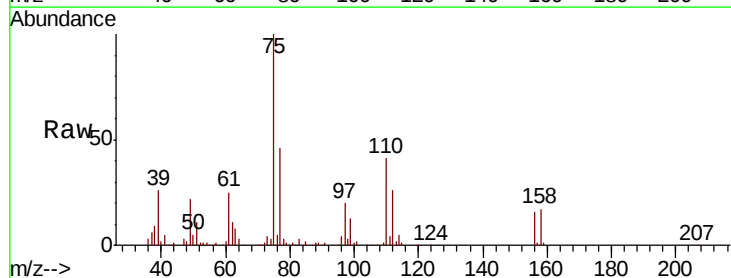
Acq: 30 Oct 2018 21:02

Tgt Ion: 75 Resp: 78576

Ion Ratio Lower Upper

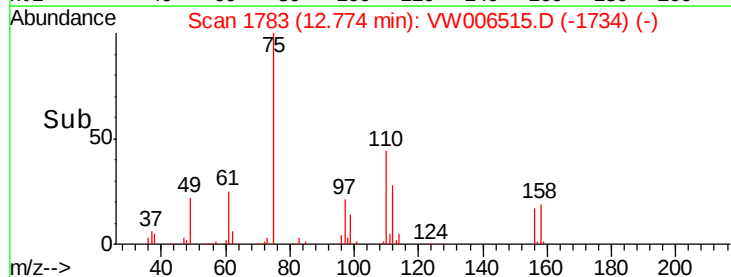
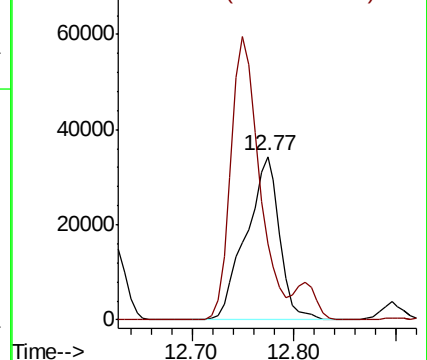
75 100

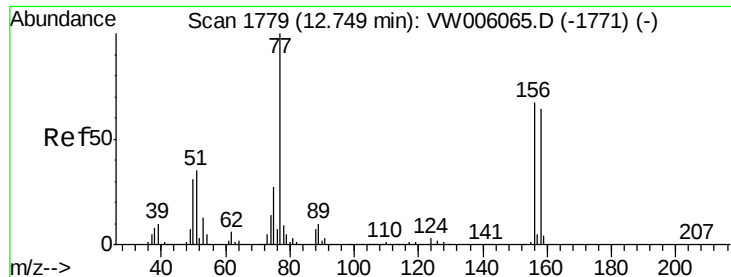
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 99.112 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW006515.D

Acq: 30 Oct 2018 21:02

Instrument :

MSVOA_W

ClientSampleId :

DL-03AMSD

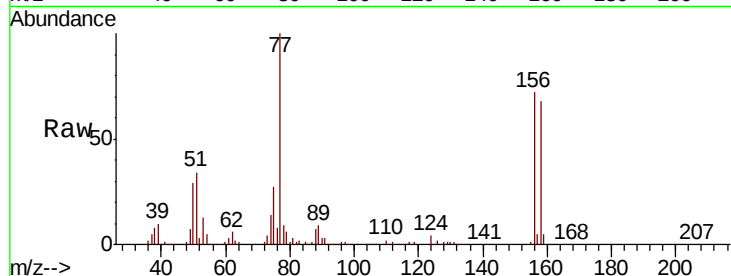
Tot Ion:156 Resp: 70818

Ion Ratio Lower Upper

156 100

77 162.7 79.1 237.4

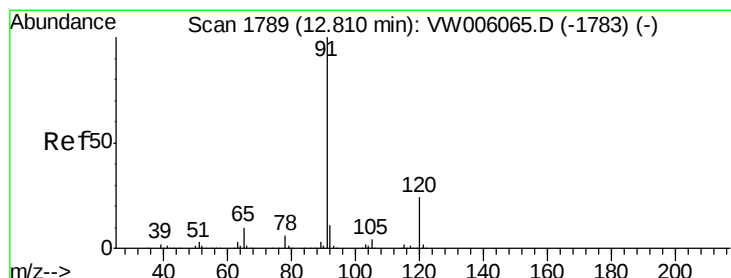
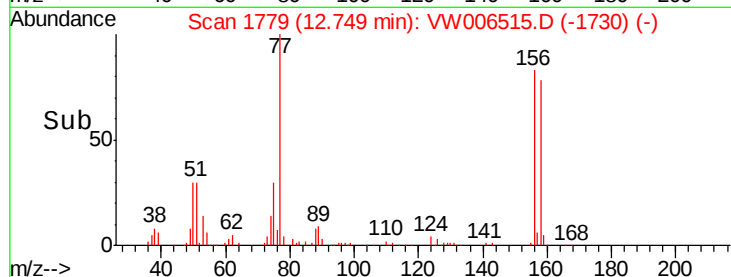
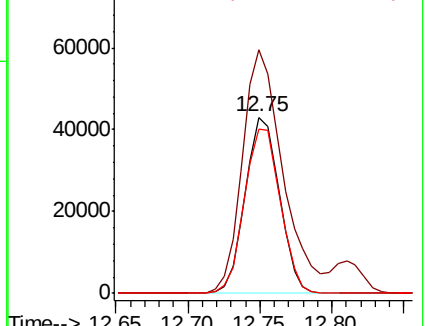
158 97.8 48.5 145.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 95.723 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW006515.D

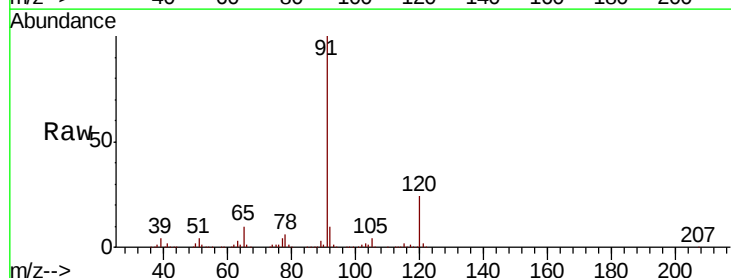
Acq: 30 Oct 2018 21:02

Tgt Ion: 91 Resp: 324879

Ion Ratio Lower Upper

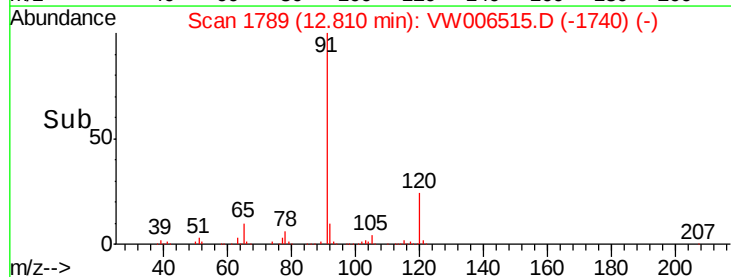
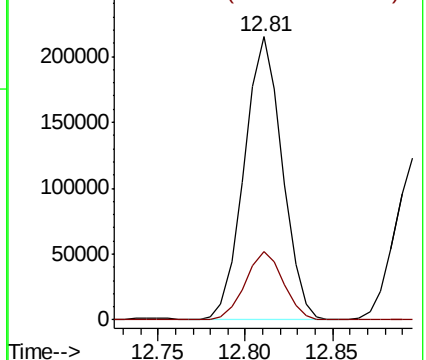
91 100

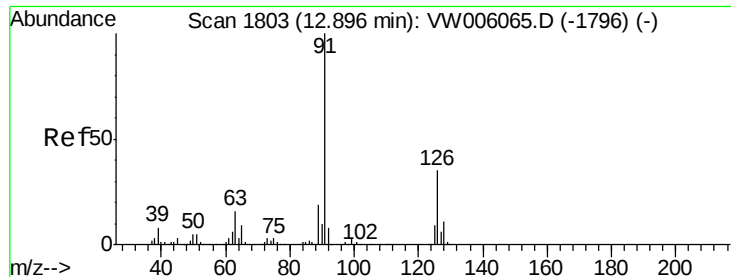
120 24.4 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 103.642 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW006515.D

Acq: 30 Oct 2018 21:02

Instrument :

MSVOA_W

ClientSampleId :

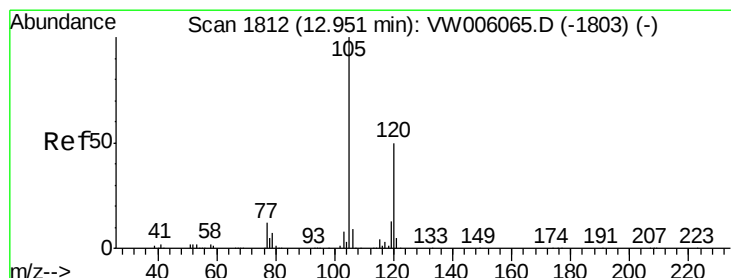
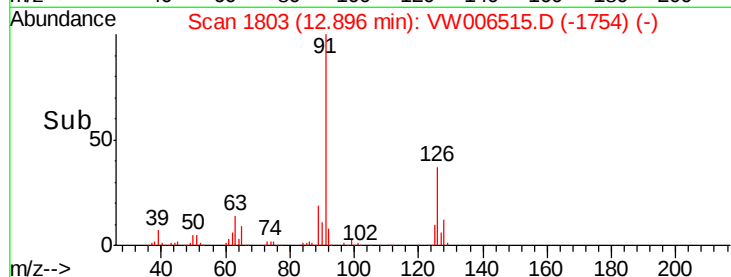
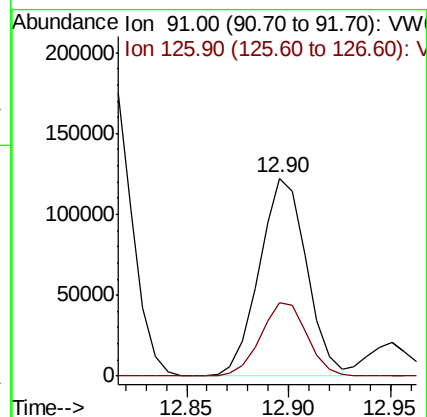
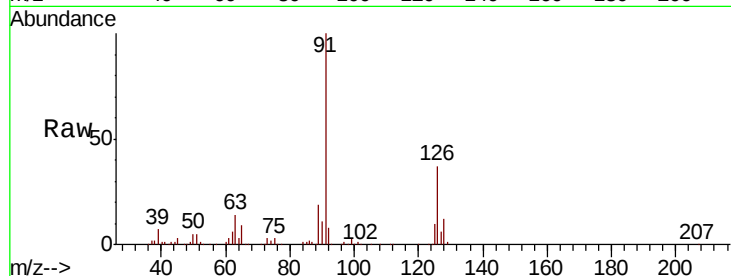
DL-03AMSD

Tot Ion: 91 Resp: 197638

Ion Ratio Lower Upper

91 100

126 36.7 17.9 53.8



#80

1,3,5-Trimethylbenzene

Concen: 120.244 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VW006515.D

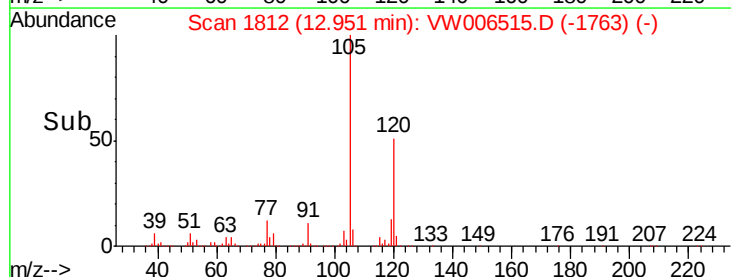
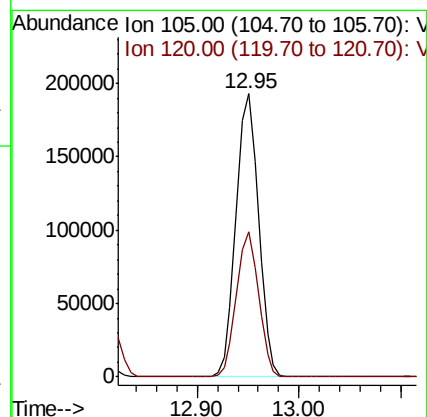
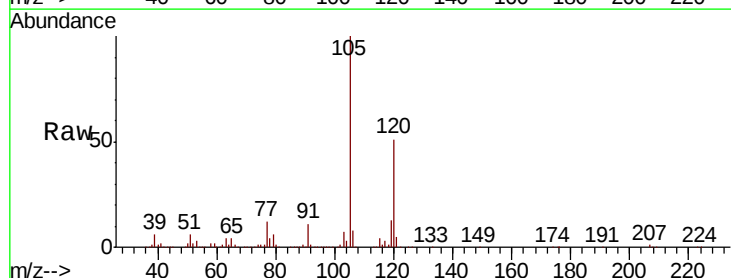
Acq: 30 Oct 2018 21:02

Tgt Ion:105 Resp: 295714

Ion Ratio Lower Upper

105 100

120 50.4 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 114.466 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VW006515.D

Acq: 30 Oct 2018 21:02

Instrument :

MSVOA_W

ClientSampleId :

DL-03AMSD

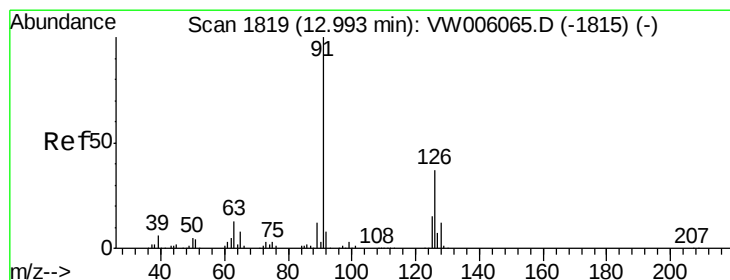
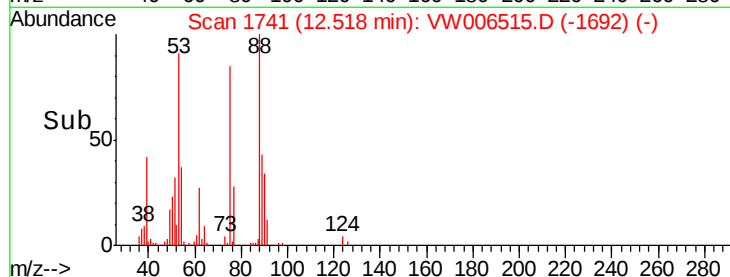
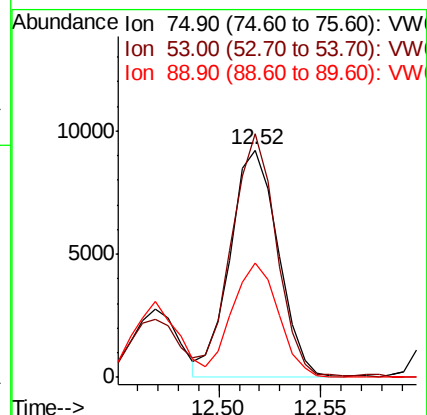
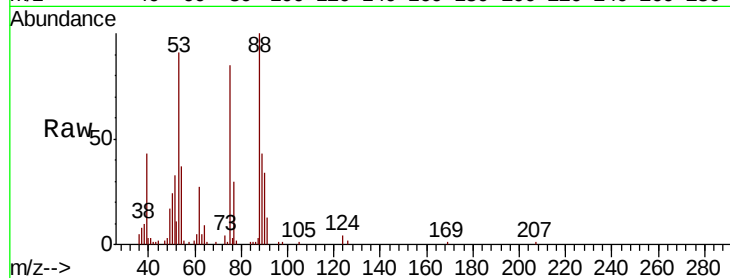
Tot Ion: 75 Resp: 15103

Ion Ratio Lower Upper

75 100

53 99.2 79.8 119.6

89 48.3 37.5 56.3



#82

4-Chlorotoluene

Concen: 76.922 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW006515.D

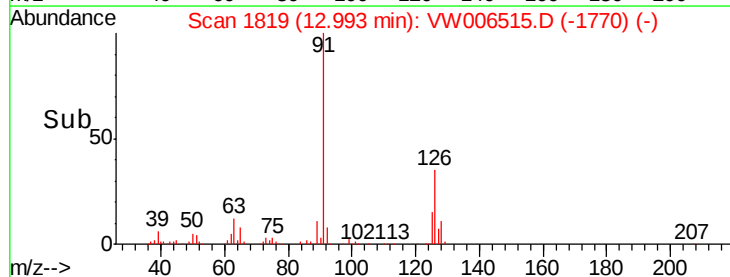
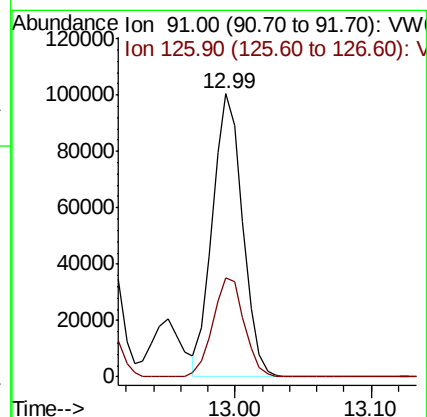
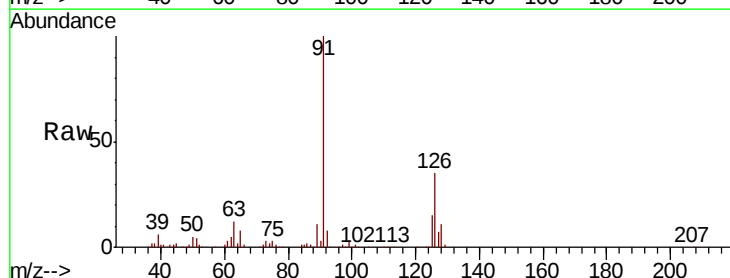
Acq: 30 Oct 2018 21:02

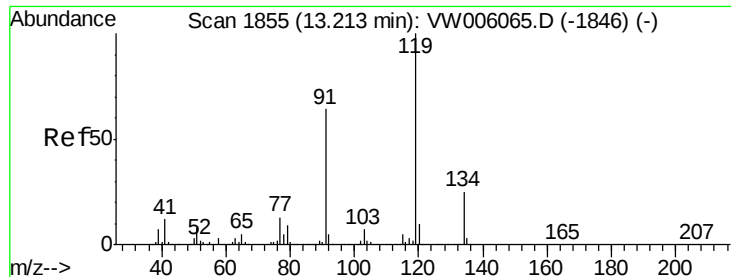
Tgt Ion: 91 Resp: 153656

Ion Ratio Lower Upper

91 100

126 36.4 18.1 54.3

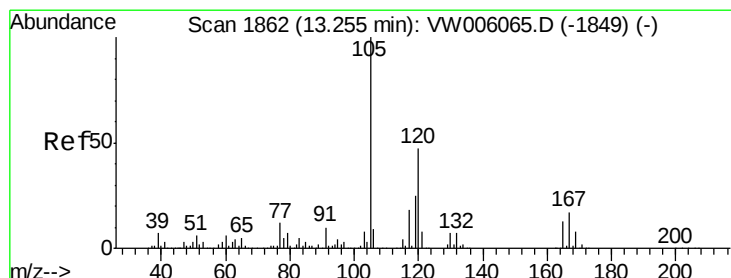
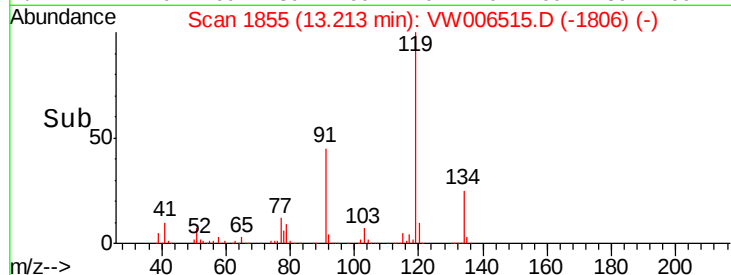
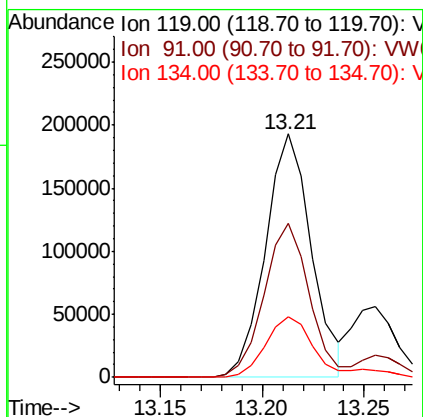
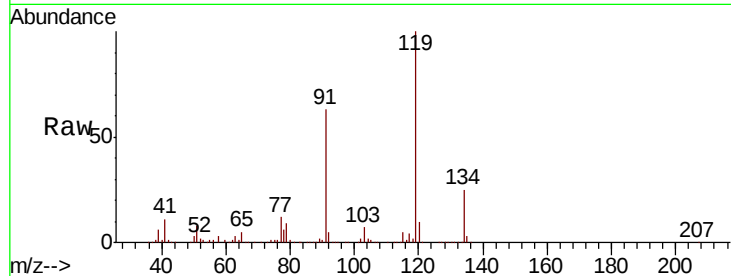




#83
tert-Butylbenzene
Concen: 137.725 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW006515.D
Acq: 30 Oct 2018 21:02

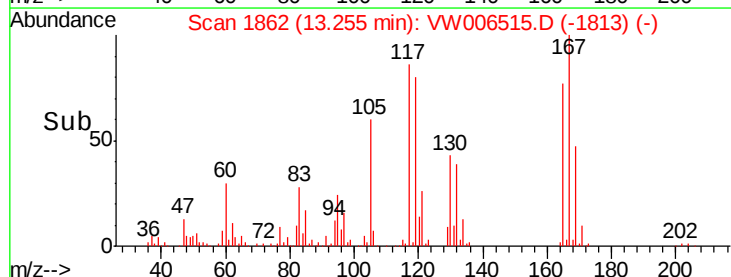
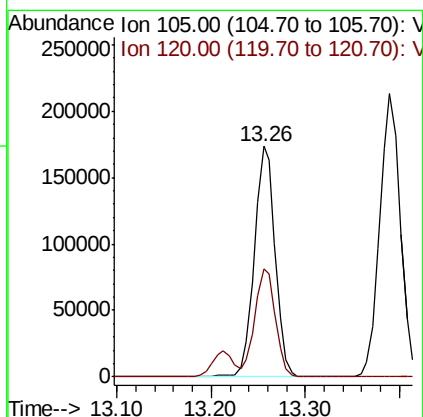
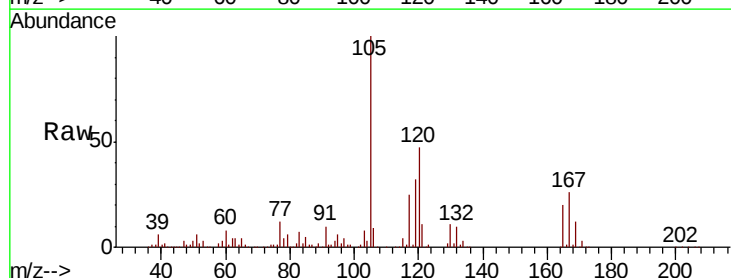
Instrument :
MSVOA_W
ClientSampleId :
DL-03AMSD

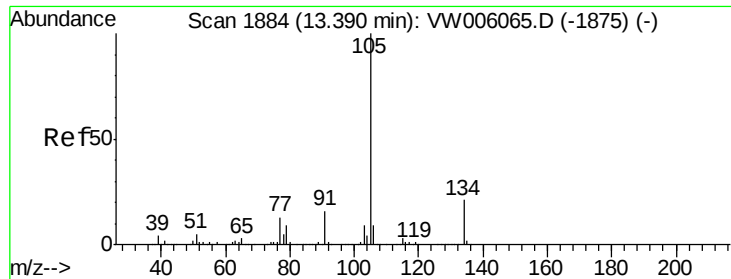
Tot Ion:119 Resp: 303038
Ion Ratio Lower Upper
119 100
91 62.7 32.3 96.9
134 25.7 13.6 40.8



#84
1,2,4-Trimethylbenzene
Concen: 108.846 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW006515.D
Acq: 30 Oct 2018 21:02

Tgt Ion:105 Resp: 270872
Ion Ratio Lower Upper
105 100
120 46.4 23.1 69.3

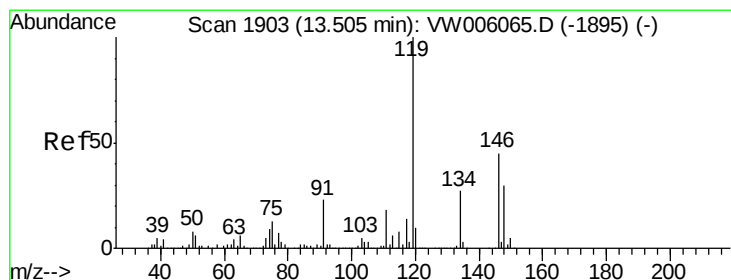
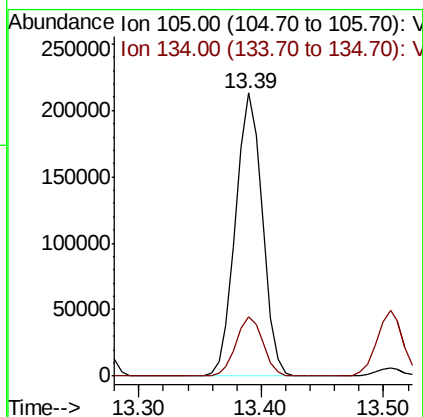
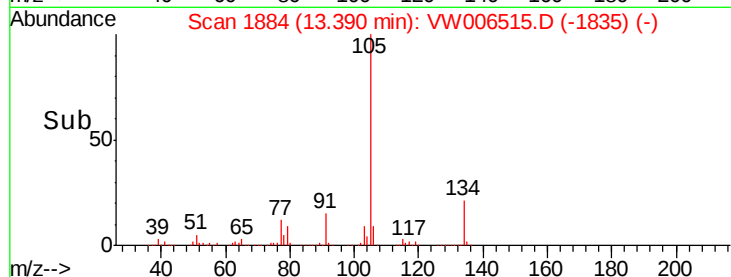
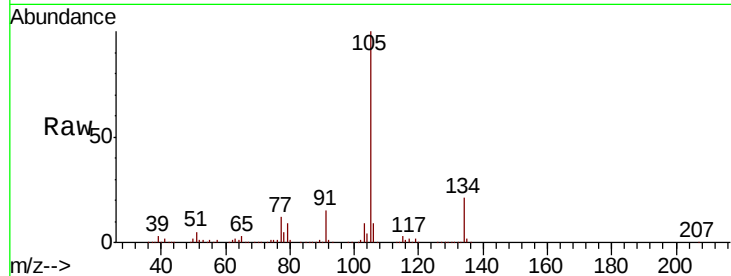




#85
 sec-Butylbenzene
 Concen: 103.645 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW006515.D
 Acq: 30 Oct 2018 21:02

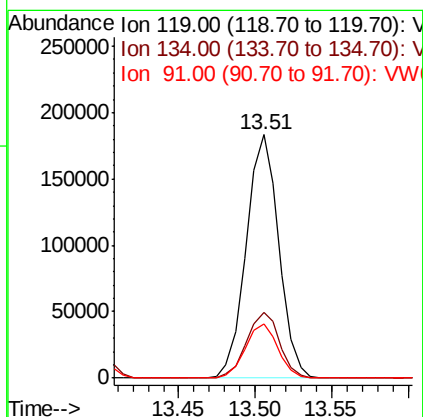
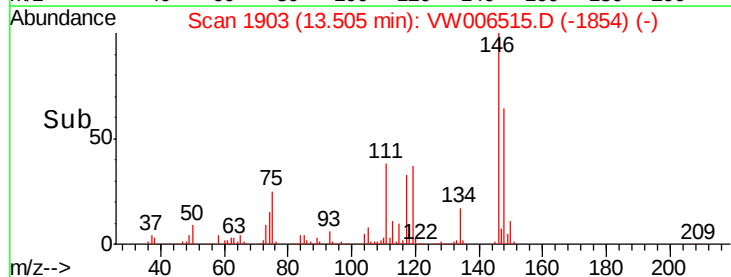
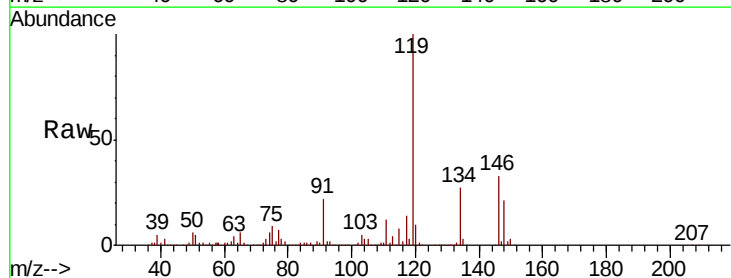
Instrument :
 MSVOA_W
 ClientSampleId :
 DL-03AMSD

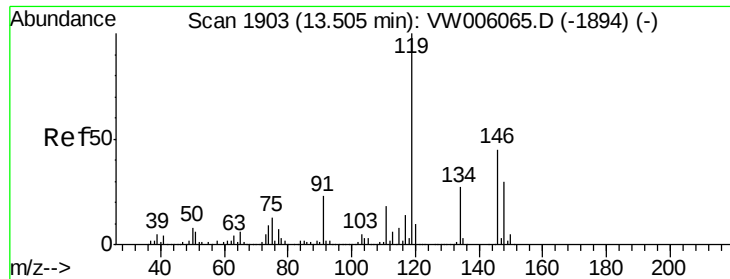
Tot Ion:105 Resp: 322179
 Ion Ratio Lower Upper
 105 100
 134 21.0 10.5 31.6



#86
 p-Isopropyltoluene
 Concen: 96.219 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW006515.D
 Acq: 30 Oct 2018 21:02

Tgt Ion:119 Resp: 270532
 Ion Ratio Lower Upper
 119 100
 134 27.3 13.4 40.2
 91 22.3 11.4 34.1

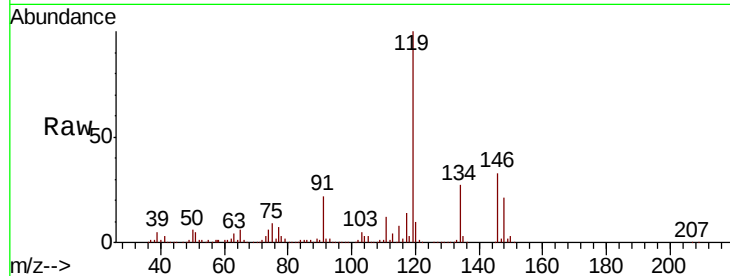




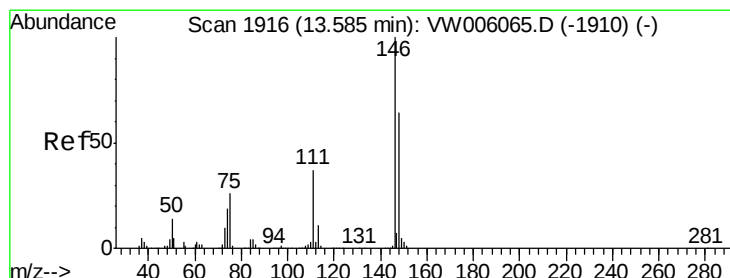
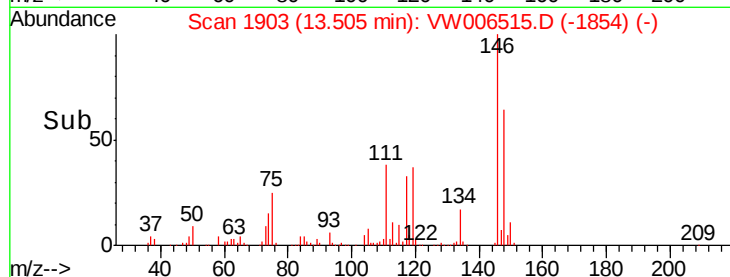
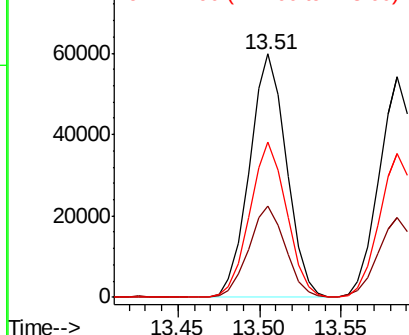
#87
 1,3-Dichlorobenzene
 Concen: 66.244 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW006515.D
 Acq: 30 Oct 2018 21:02

Instrument :
 MSVOA_W
 ClientSampleId :
 DL-03AMSD

Tot Ion:146 Resp: 94200
 Ion Ratio Lower Upper
 146 100
 111 37.1 19.1 57.5
 148 63.4 32.0 96.2

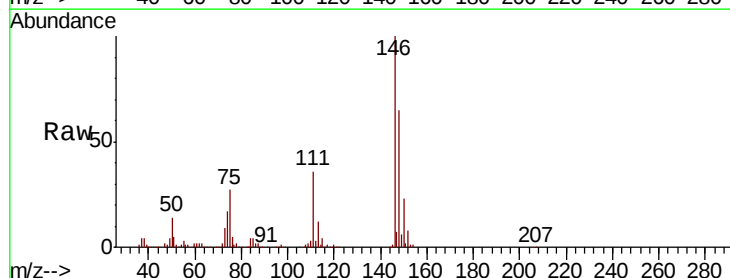


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

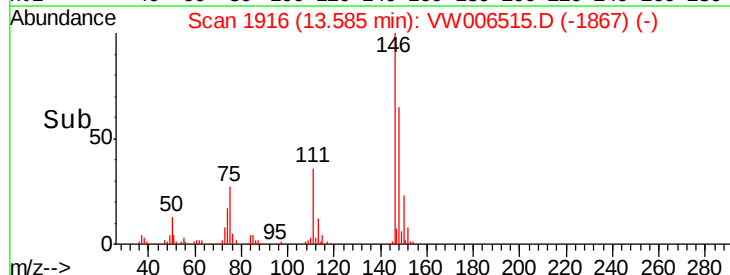
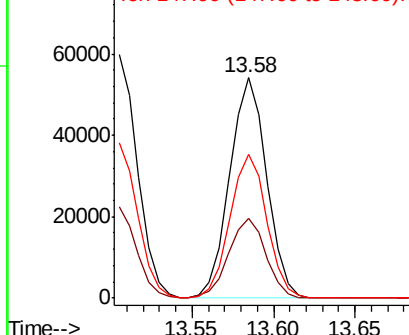


#88
 1,4-Dichlorobenzene
 Concen: 60.195 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW006515.D
 Acq: 30 Oct 2018 21:02

Tgt Ion:146 Resp: 85227
 Ion Ratio Lower Upper
 146 100
 111 36.6 18.6 56.0
 148 65.2 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 53.592 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW006515.D

Acq: 30 Oct 2018 21:02

Instrument :

MSVOA_W

ClientSampleId :

DL-03AMSD

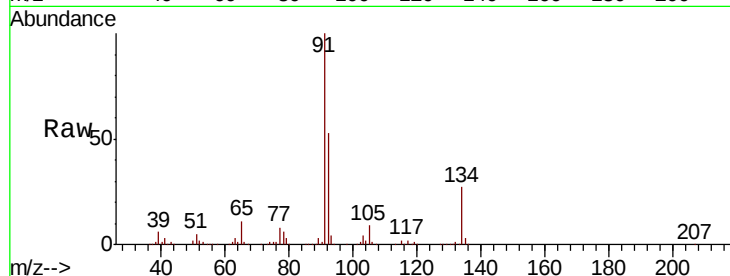
Tot Ion: 91 Resp: 137804

Ion Ratio Lower Upper

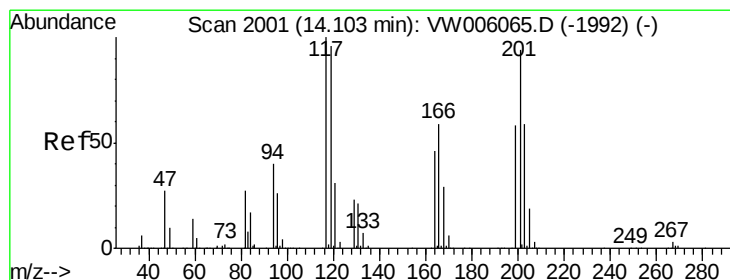
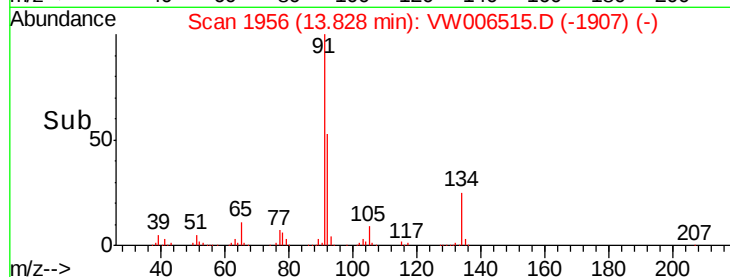
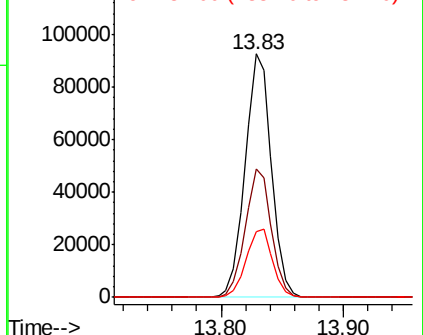
91 100

92 52.5 26.6 79.7

134 28.3 14.0 41.9



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 92.00 (91.70 to 92.70): VW
Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 135.052 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.01 min

Lab File: VW006515.D

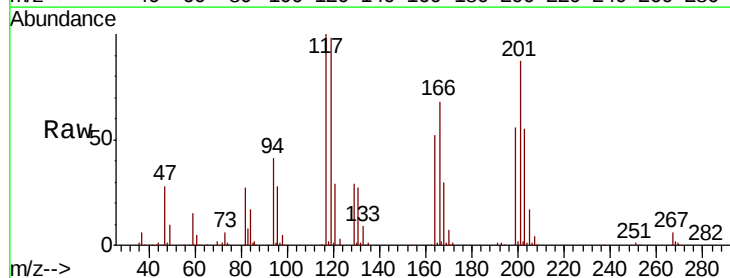
Acq: 30 Oct 2018 21:02

Tgt Ion: 117 Resp: 64318

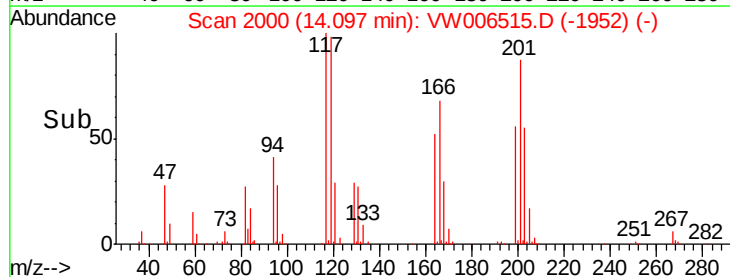
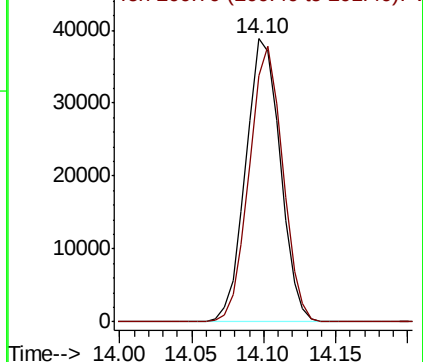
Ion Ratio Lower Upper

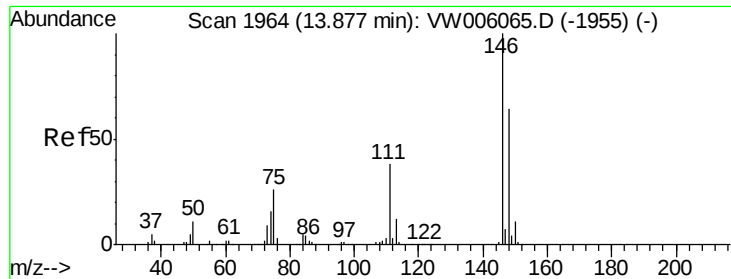
117 100

201 94.4 45.3 135.9



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 80.104 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VW006515.D

Acq: 30 Oct 2018 21:02

Instrument :

MSVOA_W

ClientSampleId :

DL-03AMSD

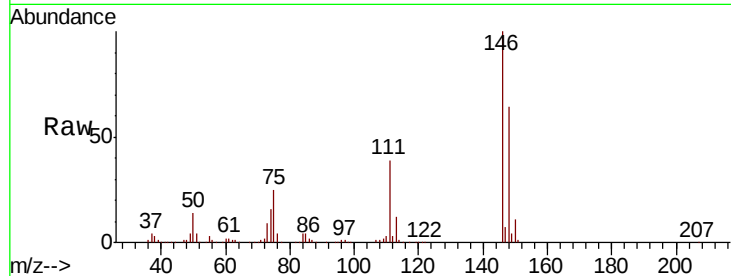
Tot Ion:146 Resp: 101607

Ion Ratio Lower Upper

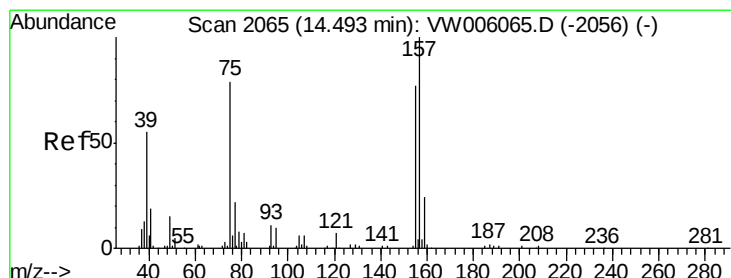
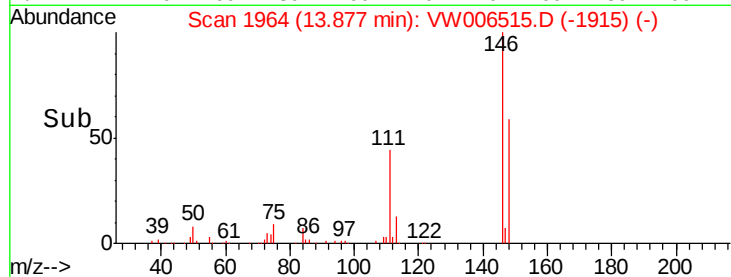
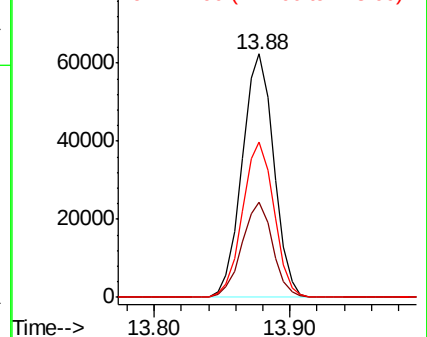
146 100

111 37.9 19.6 58.7

148 63.6 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): 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: 127.505 ug/l

RT: 14.49 min Scan# 2065

Delta R.T. -0.00 min

Lab File: VW006515.D

Acq: 30 Oct 2018 21:02

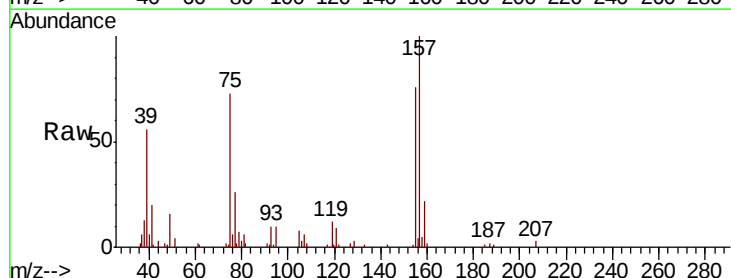
Tgt Ion: 75 Resp: 10129

Ion Ratio Lower Upper

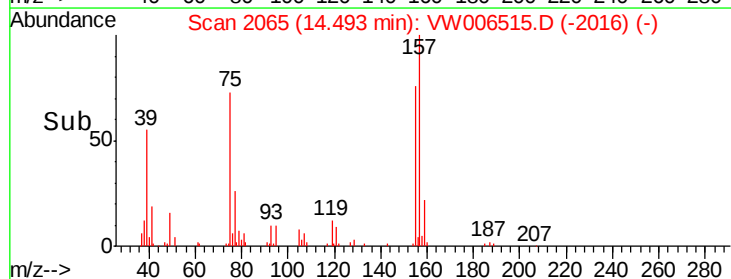
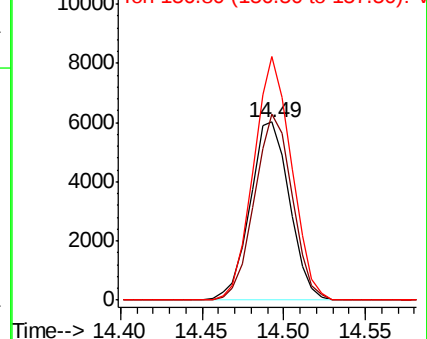
75 100

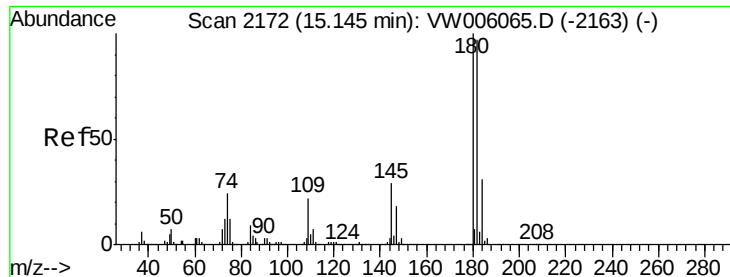
155 99.7 46.5 139.5

157 131.0 59.8 179.4



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

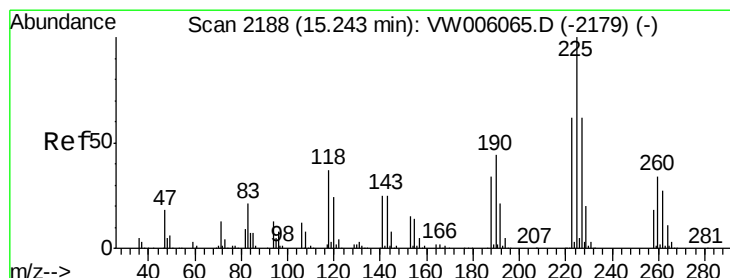
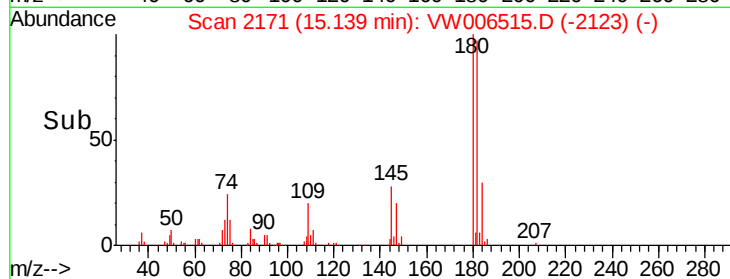
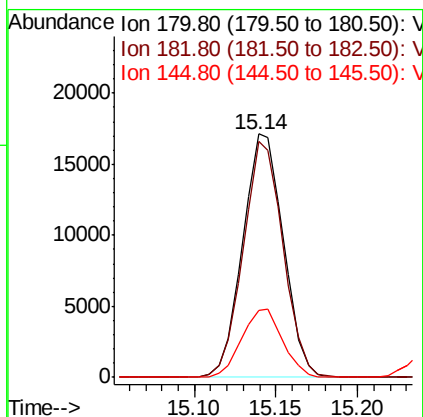
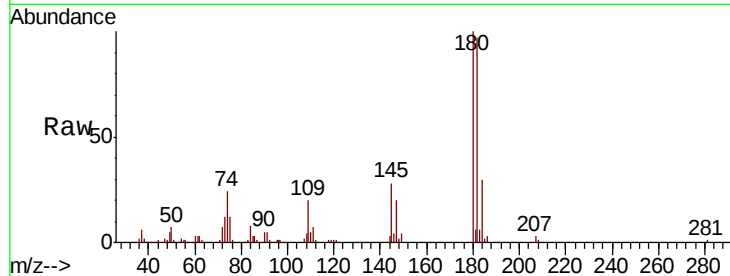




#93
 1,2,4-Trichlorobenzene
 Concen: 30.364 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.01 min
 Lab File: VW006515.D
 Acq: 30 Oct 2018 21:02

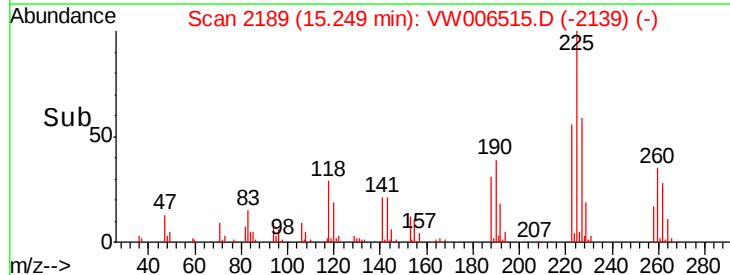
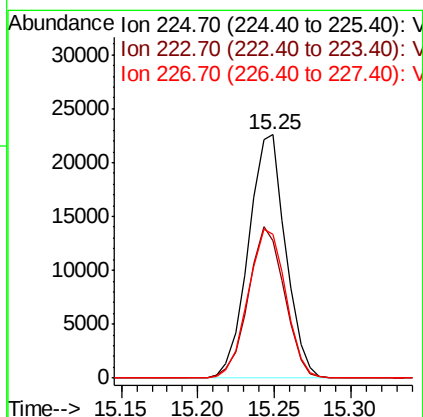
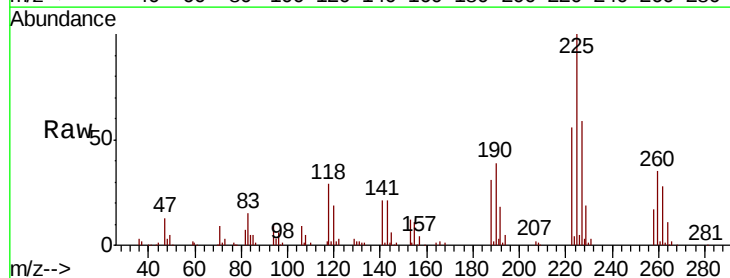
Instrument :
 MSVOA_W
 ClientSampleId :
 DL-03AMSD

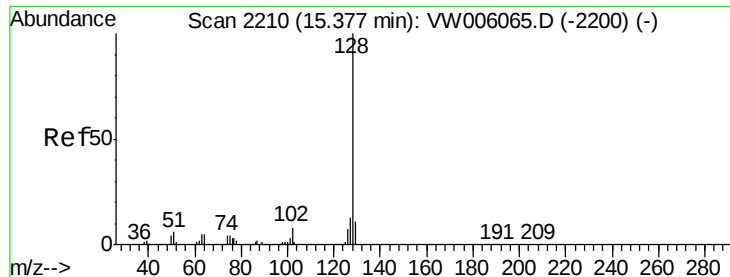
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.9	143.6
145	28.2	14.2	42.8



#94
 Hexachlorobutadiene
 Concen: 62.116 ug/l
 RT: 15.25 min Scan# 2189
 Delta R.T. 0.01 min
 Lab File: VW006515.D
 Acq: 30 Oct 2018 21:02

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.8	31.1	93.5
227	62.5	32.4	97.0

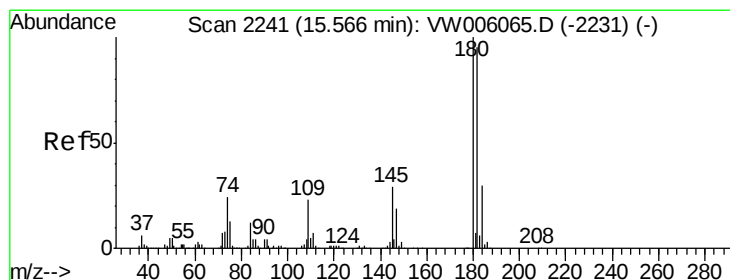
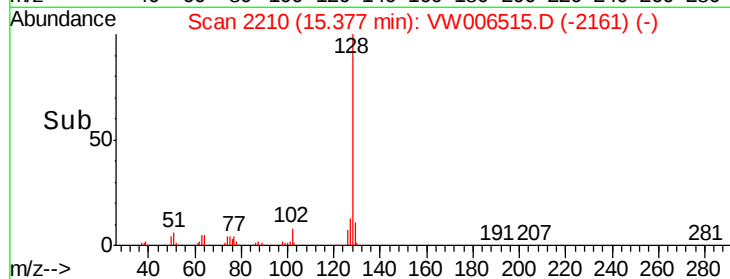
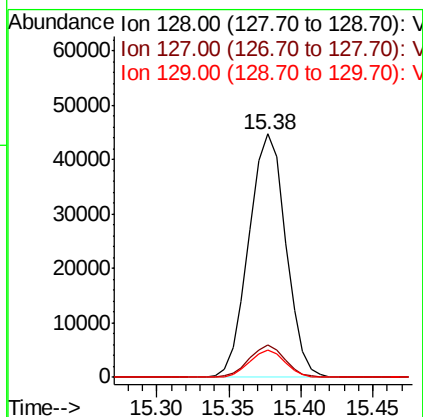
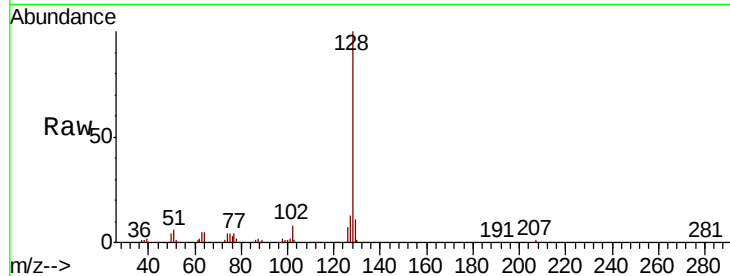




#95
Naphthalene
Concen: 48.953 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW006515.D
Acq: 30 Oct 2018 21:02

Instrument :
MSVOA_W
ClientSampleId :
DL-03AMSD

Tot Ion:128 Resp: 79479
Ion Ratio Lower Upper
128 100
127 12.8 10.3 15.5
129 10.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 37.641 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW006515.D
Acq: 30 Oct 2018 21:02

Tgt Ion:180 Resp: 31776
Ion Ratio Lower Upper
180 100
182 95.9 47.8 143.3
145 30.3 15.0 45.1

