

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122218\
 Data File : VW007749.D
 Acq On : 20 Dec 2018 16:15
 Operator : SY/AP
 Sample : VW1222SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 21 03:51:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 06:30:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	69413	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	109286	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	97997	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	51371	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	37247	48.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.92%	
35) Dibromofluoromethane	7.88	113	34392	51.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.18%	
50) Toluene-d8	10.32	98	130678	51.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.98%	
62) 4-Bromofluorobenzene	12.62	95	49406	50.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	12917	20.933	ug/l	99
3) Chloromethane	2.21	50	8178	21.582	ug/l	100
4) Vinyl Chloride	2.37	62	10007	20.746	ug/l	92
5) Bromomethane	2.78	94	7210	21.461	ug/l	93
6) Chloroethane	2.93	64	5479	21.232	ug/l	96
7) Trichlorofluoromethane	3.25	101	10542	20.993	ug/l	88
8) Diethyl Ether	3.68	74	5673	18.444	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	14996	20.276	ug/l	97
10) Methyl Iodide	4.26	142	24243	20.612	ug/l	99
11) Tert butyl alcohol	5.17	59	4890	95.281	ug/l #	91
12) 1,1-Dichloroethene	4.04	96	14751	21.539	ug/l	87
13) Acrolein	3.89	56	4170	101.621	ug/l	100
14) Allyl chloride	4.66	41	18441	20.534	ug/l	99
15) Acrylonitrile	5.37	53	12986	98.975	ug/l	99
16) Acetone	4.12	43	14580	102.340	ug/l	98
17) Carbon Disulfide	4.38	76	43311	20.437	ug/l	99
18) Methyl Acetate	4.67	43	6796	20.058	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	20767	21.122	ug/l	96
20) Methylene Chloride	4.91	84	17036	20.146	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	15501	20.580	ug/l	99
22) Diisopropyl ether	6.31	45	34610	20.581	ug/l	94
23) Vinyl Acetate	6.26	43	101296	101.387	ug/l	99
24) 1,1-Dichloroethane	6.21	63	25908	20.943	ug/l	98
25) 2-Butanone	7.18	43	16038	96.111	ug/l	91
26) 2,2-Dichloropropane	7.16	77	19373	21.400	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	16843	20.989	ug/l	99
28) Bromochloromethane	7.51	49	8166	19.360	ug/l	96
29) Tetrahydrofuran	7.53	42	9911	99.573	ug/l	100
30) Chloroform	7.68	83	28971	20.693	ug/l	97
31) Cyclohexane	7.95	56	23148	20.439	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	27374	21.469	ug/l	99
36) 1,1-Dichloropropene	8.08	75	22410	21.246	ug/l	99
37) Ethyl Acetate	7.26	43	7477	20.540	ug/l	97
38) Carbon Tetrachloride	8.07	117	26469	21.308	ug/l	98

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 ClientSampleId :

Quant Time: Dec 21 03:51:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 06:30:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	28495	21.740	ug/l	99
40) Benzene	8.32	78	60328	21.433	ug/l	99
41) Methacrylonitrile	7.48	41	4777	23.113	ug/l #	86
42) 1,2-Dichloroethane	8.40	62	19640	20.821	ug/l	100
43) Isopropyl Acetate	8.43	43	14536	19.931	ug/l	98
44) Trichloroethene	9.09	130	18096	21.259	ug/l	97
45) 1,2-Dichloropropane	9.37	63	13171	21.088	ug/l	100
46) Dibromomethane	9.46	93	7935	20.639	ug/l	99
47) Bromodichloromethane	9.65	83	20729	20.509	ug/l	95
48) Methyl methacrylate	9.44	41	7094	19.487	ug/l	95
49) 1,4-Dioxane	9.45	88	2393	392.585	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	35036	101.650	ug/l	99
52) Toluene	10.39	92	40137	21.253	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	20776	20.666	ug/l	94
54) cis-1,3-Dichloropropene	10.07	75	23409	21.080	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	11066	20.879	ug/l	93
56) Ethyl methacrylate	10.65	69	12402	19.805	ug/l	95
57) 1,3-Dichloropropane	10.93	76	18517	21.039	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	29659	103.734	ug/l	99
59) 2-Hexanone	10.97	43	24604	101.503	ug/l	97
60) Dibromochloromethane	11.13	129	14355	20.455	ug/l	99
61) 1,2-Dibromoethane	11.24	107	11313	21.078	ug/l	96
64) Tetrachloroethene	10.87	164	15422	22.224	ug/l	95
65) Chlorobenzene	11.66	112	45612	21.504	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	15846	20.908	ug/l	96
67) Ethyl Benzene	11.73	91	80584	22.140	ug/l	99
68) m/p-Xylenes	11.84	106	62340	44.153	ug/l	100
69) o-Xylene	12.17	106	28896	21.833	ug/l	100
70) Styrene	12.18	104	47683	21.918	ug/l	100
71) Bromoform	12.35	173	8325	21.160	ug/l #	99
73) Isopropylbenzene	12.47	105	83642	21.540	ug/l	100
74) N-amyl acetate	12.27	43	13244	19.691	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	11596	19.917	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	17063	42.974	ug/l #	100
77) Bromobenzene	12.75	156	18569	20.866	ug/l	98
78) n-propylbenzene	12.81	91	97707	21.616	ug/l	99
79) 2-Chlorotoluene	12.90	91	56245	21.360	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	72515	21.650	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	3892	20.576	ug/l	97
82) 4-Chlorotoluene	12.99	91	60095	21.434	ug/l	99
83) tert-Butylbenzene	13.21	119	64213	21.850	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	75581	22.363	ug/l	99
85) sec-Butylbenzene	13.39	105	87686	21.649	ug/l	99
86) p-Isopropyltoluene	13.51	119	81332	22.083	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	37780	21.382	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	37253	21.078	ug/l	98
89) n-Butylbenzene	13.83	91	74310	22.006	ug/l	99
90) Hexachloroethane	14.10	117	13498	20.876	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	34242	21.645	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2568	21.478	ug/l	99

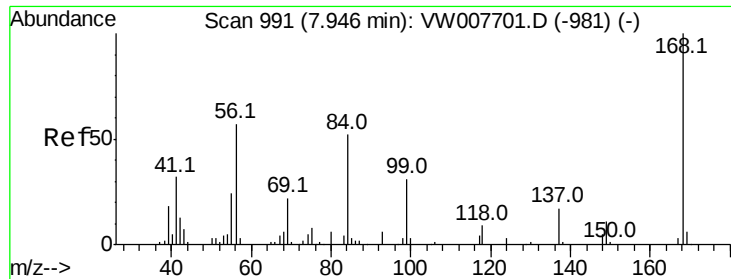
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122218\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	23461	21.365	ug/l	99
94) Hexachlorobutadiene	15.24	225	12847	21.891	ug/l	99
95) Naphthalene	15.38	128	43652	21.501	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	20277	21.571	ug/l	98

(#) = 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. 0.01 min

Lab File: VW007749.D

Acq: 20 Dec 2018 16:15

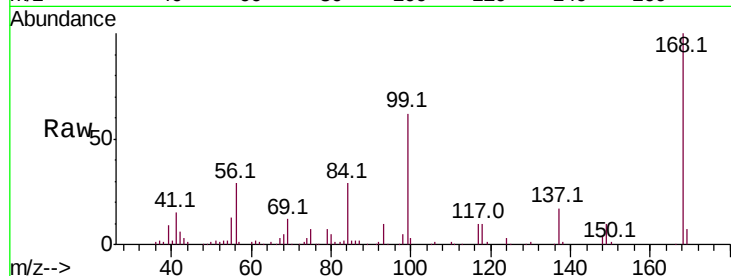
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 69413

Ion Ratio Lower Upper

168 100

99 61.6 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

30000

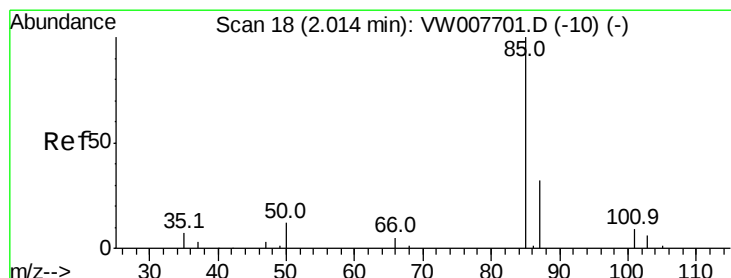
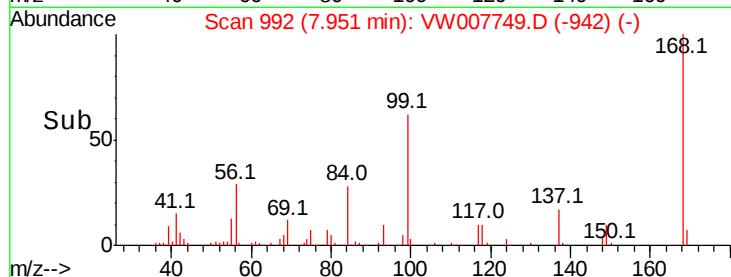
20000

10000

0

Time-->

7.85 7.90 7.95 8.00 8.05



#2

Dichlorodifluoromethane

Concen: 20.933 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW007749.D

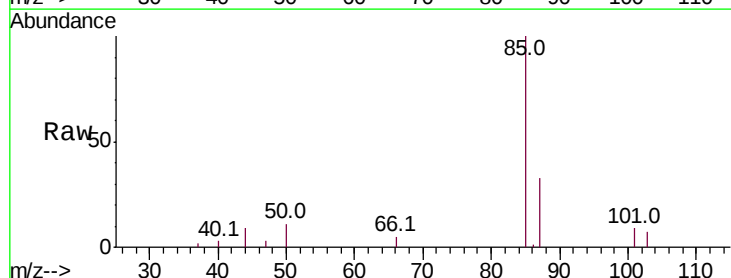
Acq: 20 Dec 2018 16:15

Tgt Ion: 85 Resp: 12917

Ion Ratio Lower Upper

85 100

87 32.9 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

4000

3000

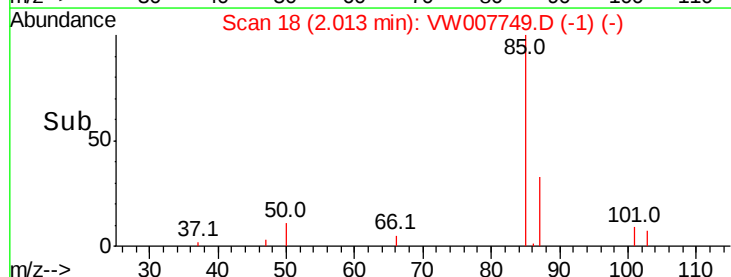
2000

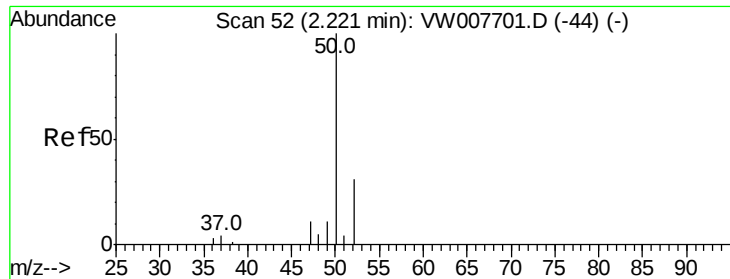
1000

0

Time-->

1.90 2.00 2.10





#3

Chloromethane

Concen: 21.582 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW007749.D

Acq: 20 Dec 2018 16:15

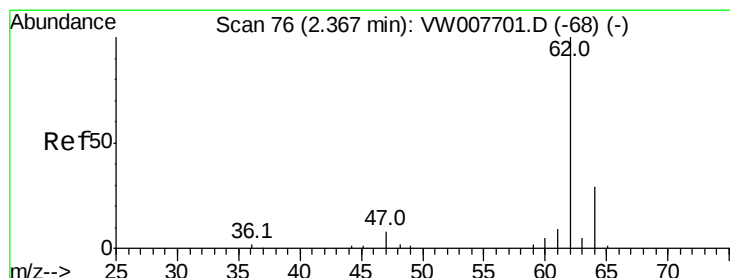
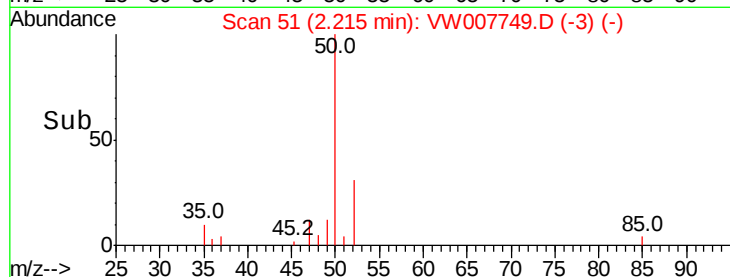
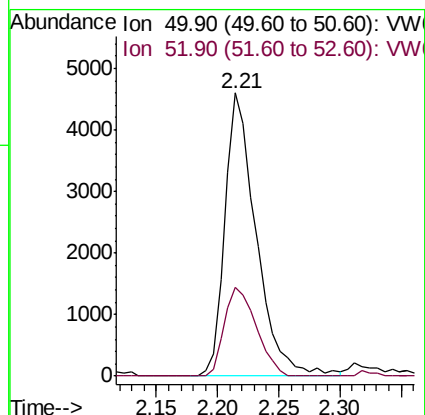
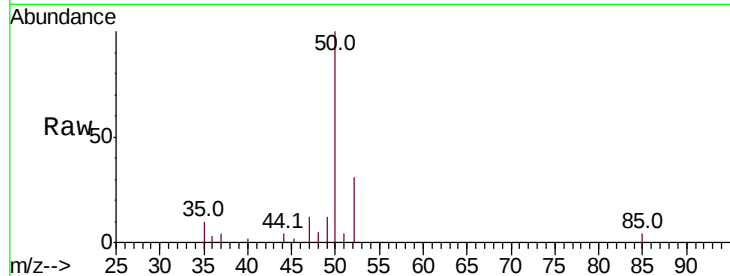
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 50 Resp: 8178

Ion Ratio Lower Upper

50 100

52 31.4 25.1 37.7



#4

Vinyl Chloride

Concen: 20.746 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW007749.D

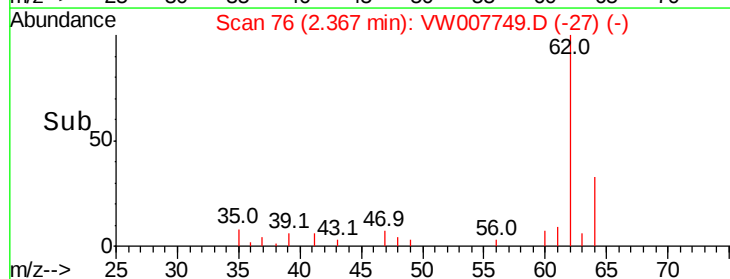
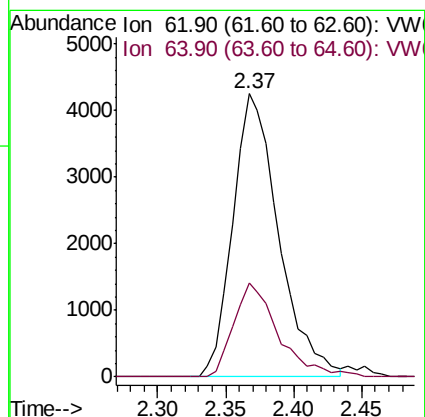
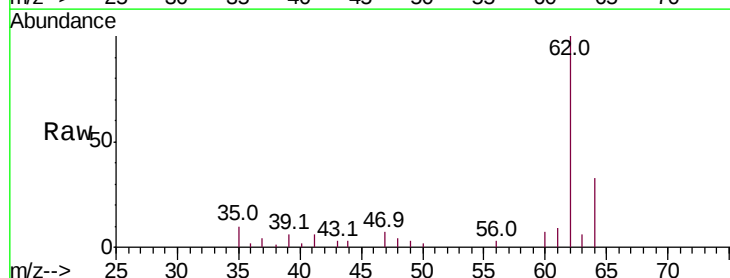
Acq: 20 Dec 2018 16:15

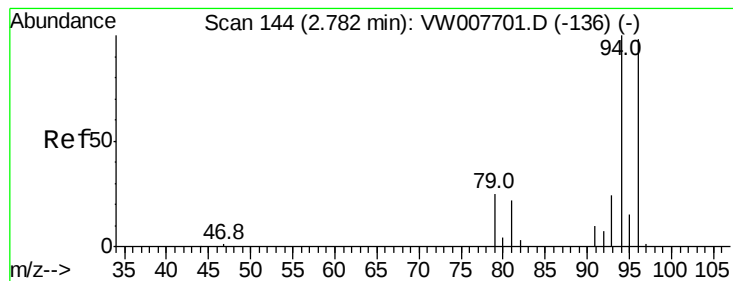
Tgt Ion: 62 Resp: 10007

Ion Ratio Lower Upper

62 100

64 33.4 23.4 35.0





#5

Bromomethane

Concen: 21.461 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW007749.D

Acq: 20 Dec 2018 16:15

Instrument :

MSVOA_W

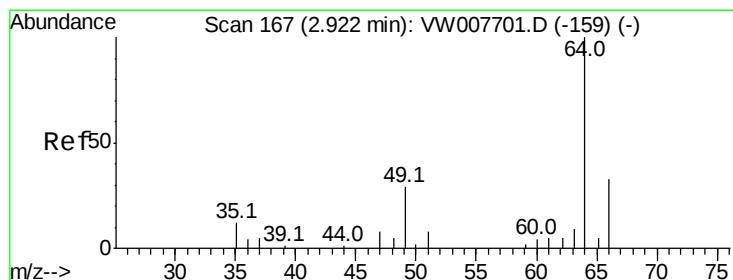
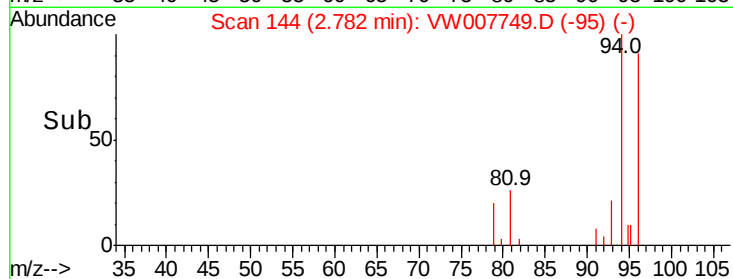
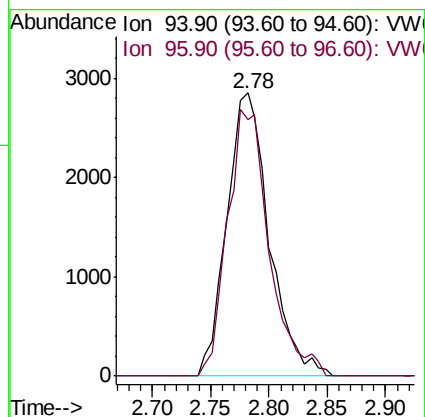
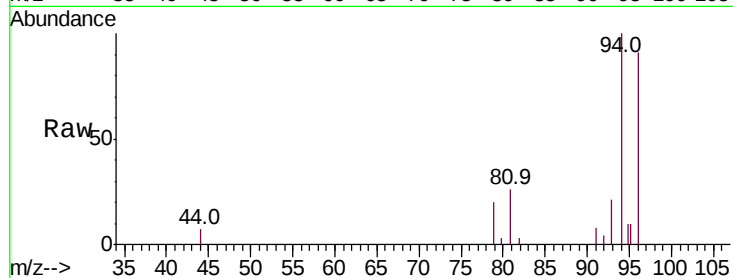
ClientSampleId :

Tot Ion: 94 Resp: 7210

Ion Ratio Lower Upper

94 100

96 90.8 78.2 117.2



#6

Chloroethane

Concen: 21.232 ug/l

RT: 2.93 min Scan# 169

Delta R.T. 0.01 min

Lab File: VW007749.D

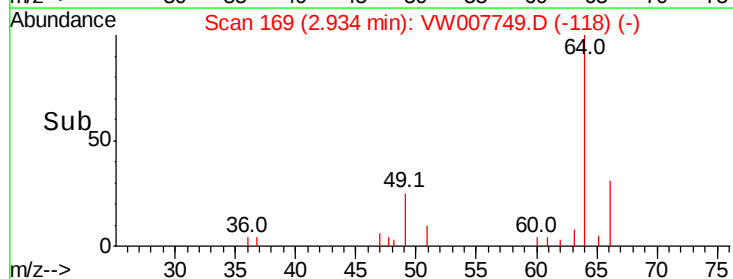
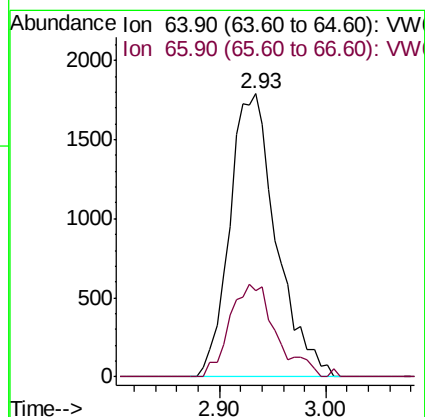
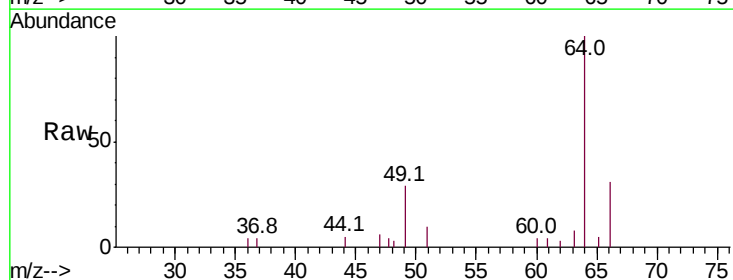
Acq: 20 Dec 2018 16:15

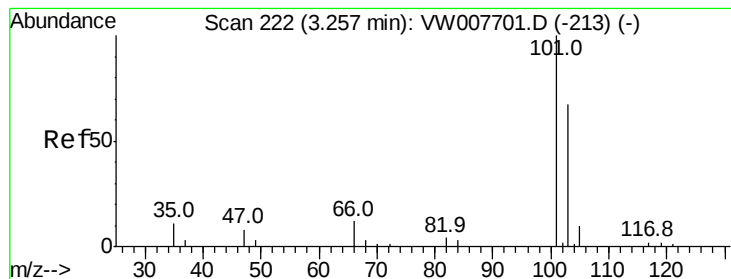
Tgt Ion: 64 Resp: 5479

Ion Ratio Lower Upper

64 100

66 30.5 26.2 39.4





#7

Trichlorofluoromethane

Concen: 20.993 ug/l

RT: 3.25 min Scan# 221

Delta R.T. -0.01 min

Lab File: VW007749.D

Acq: 20 Dec 2018 16:15

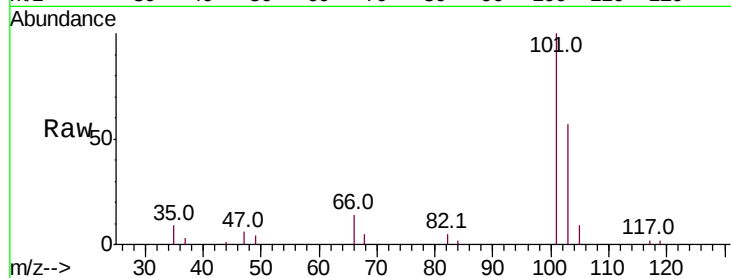
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:101 Resp: 10542

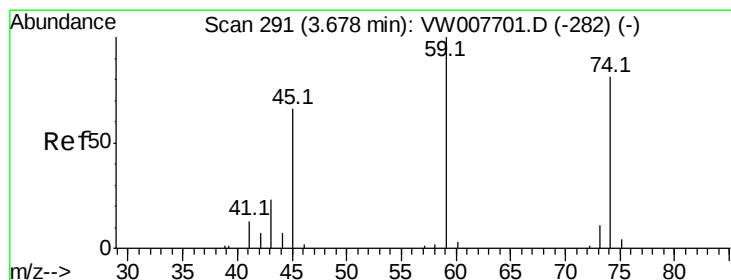
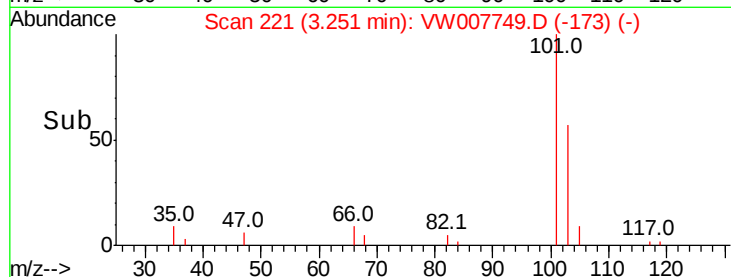
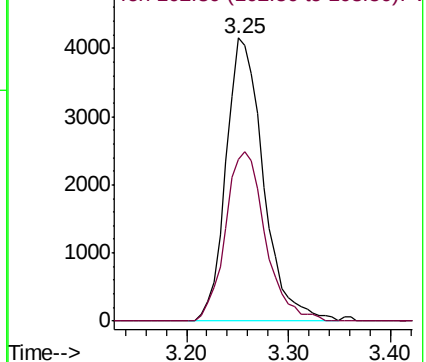
Ion Ratio Lower Upper

101 100

103 57.3 53.4 80.2



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 18.444 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW007749.D

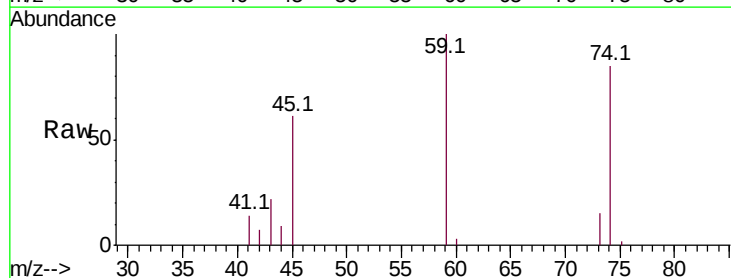
Acq: 20 Dec 2018 16:15

Tgt Ion: 74 Resp: 5673

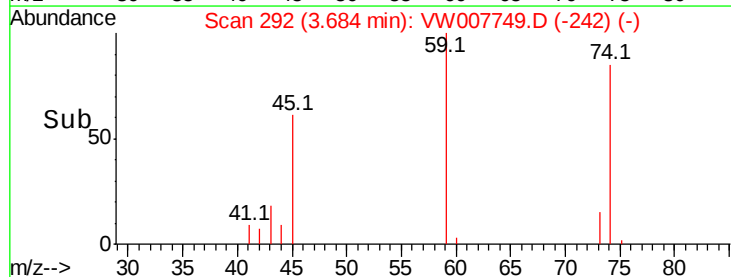
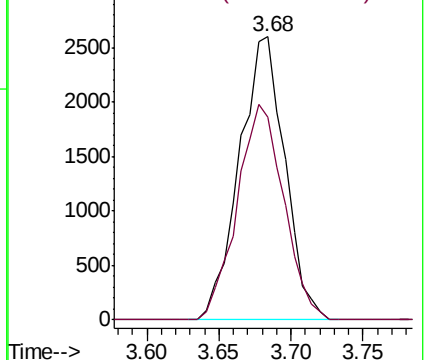
Ion Ratio Lower Upper

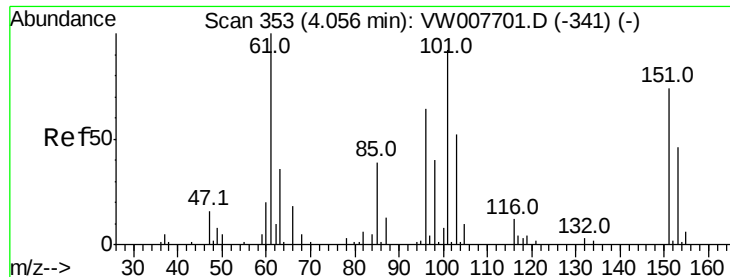
74 100

45 78.3 39.4 118.1



Abundance Ion 74.00 (73.70 to 74.70): VW
Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.276 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW007749.D

Acq: 20 Dec 2018 16:15

Instrument :

MSVOA_W

ClientSampled :

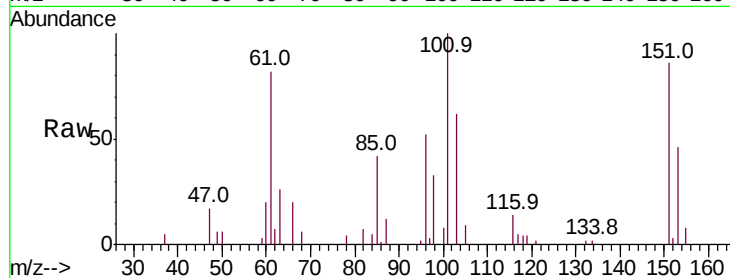
Tot Ion:101 Resp: 14996

Ion Ratio Lower Upper

101 100

85 44.5 34.3 51.5

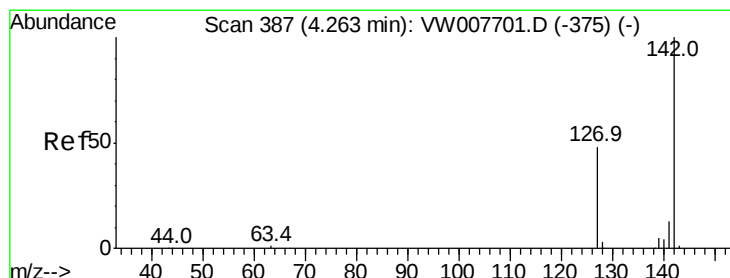
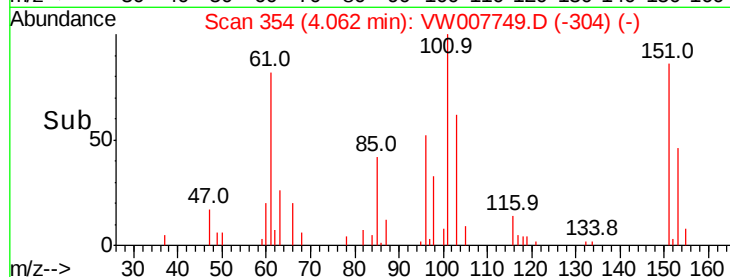
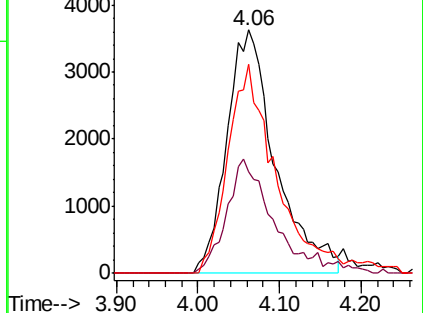
151 83.8 64.6 96.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.612 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.00 min

Lab File: VW007749.D

Acq: 20 Dec 2018 16:15

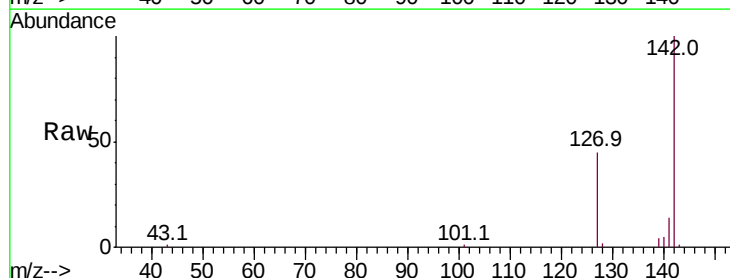
Tgt Ion:142 Resp: 24243

Ion Ratio Lower Upper

142 100

127 46.2 37.7 56.5

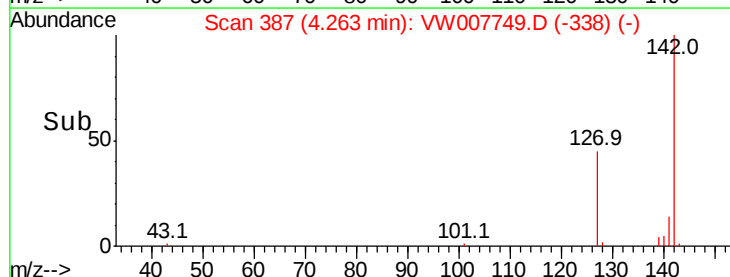
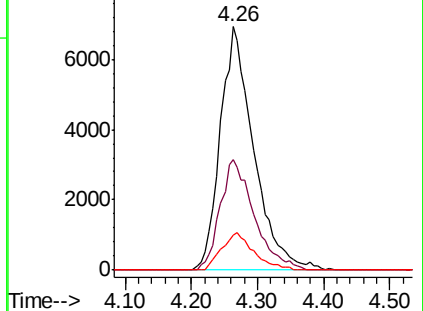
141 14.7 11.5 17.3

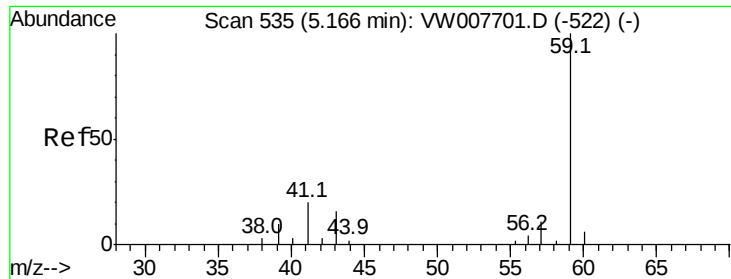


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

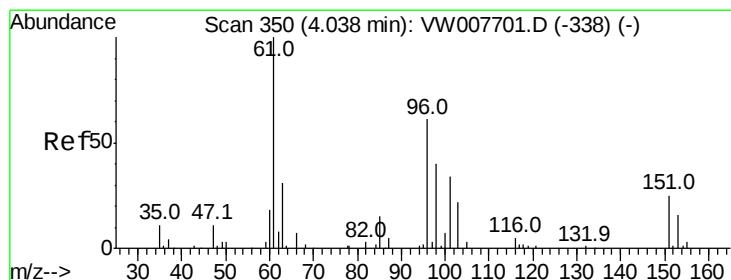
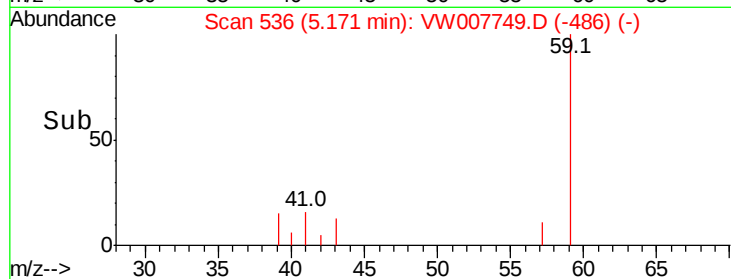
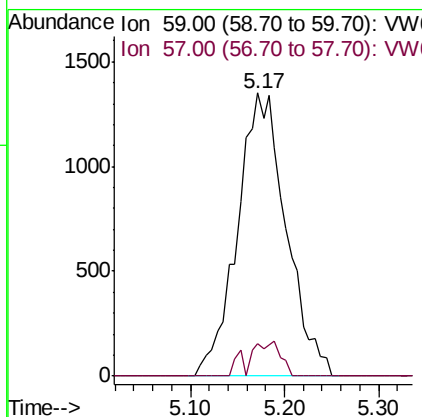
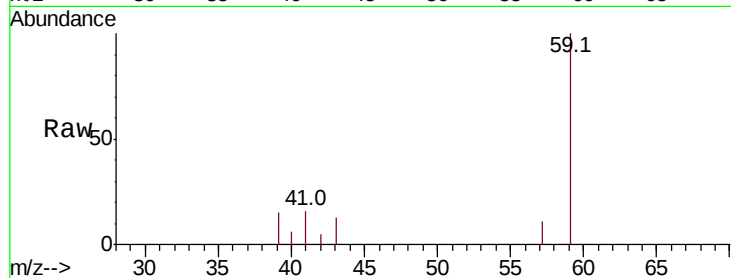




#11
Tert butyl alcohol
Concen: 95.281 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.01 min
Lab File: VW007749.D
Acq: 20 Dec 2018 16:15

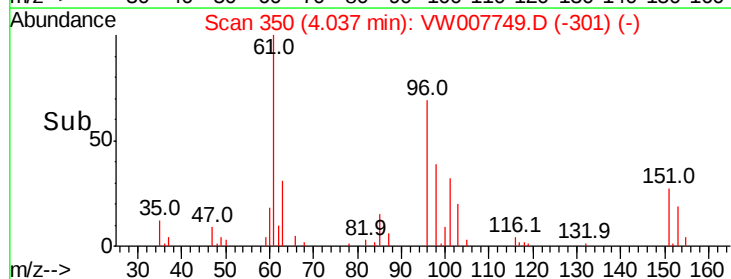
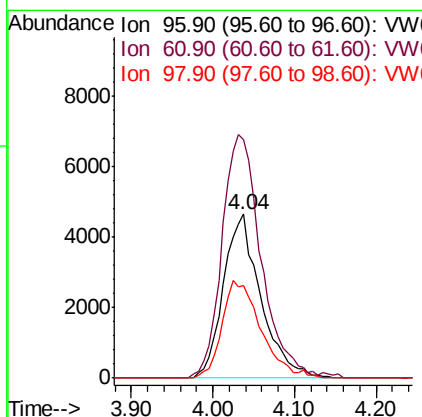
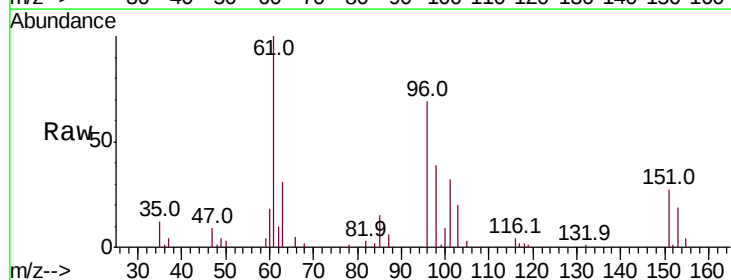
Instrument :
MSVOA_W
ClientSampled :

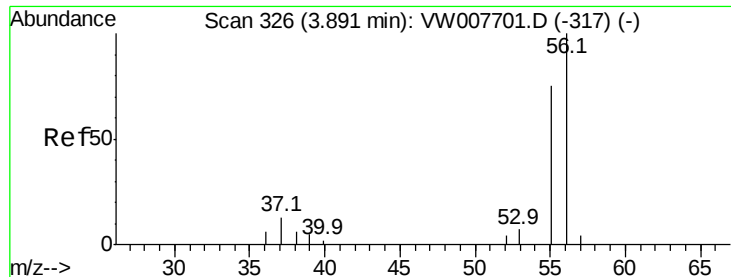
Tot Ion: 59 Resp: 4890
Ion Ratio Lower Upper
59 100
57 6.6 7.8 11.8#



#12
1,1-Dichloroethene
Concen: 21.539 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.00 min
Lab File: VW007749.D
Acq: 20 Dec 2018 16:15

Tgt Ion: 96 Resp: 14751
Ion Ratio Lower Upper
96 100
61 145.5 130.6 195.8
98 56.9 52.3 78.5





#13

Acrolein

Concen: 101.621 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW007749.D

Acq: 20 Dec 2018 16:15

Instrument :

MSVOA_W

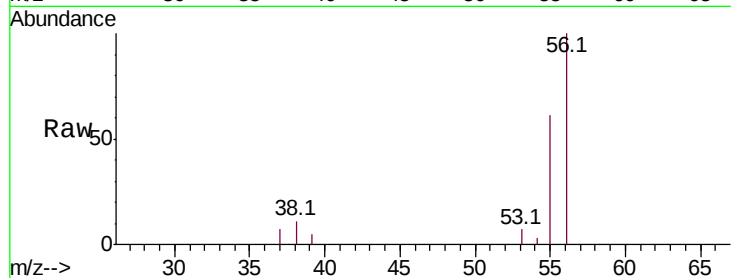
ClientSampled :

Tot Ion: 56 Resp: 4170

Ion Ratio Lower Upper

56 100

55 72.0 57.7 86.5



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

3.89

2000

1500

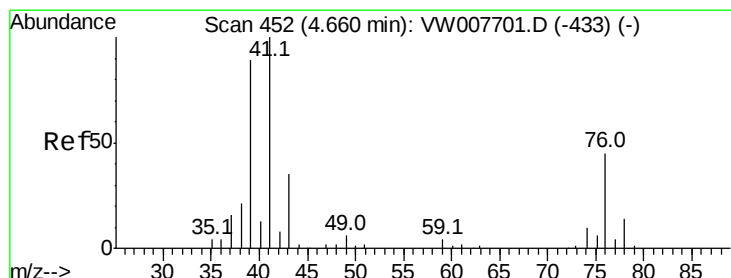
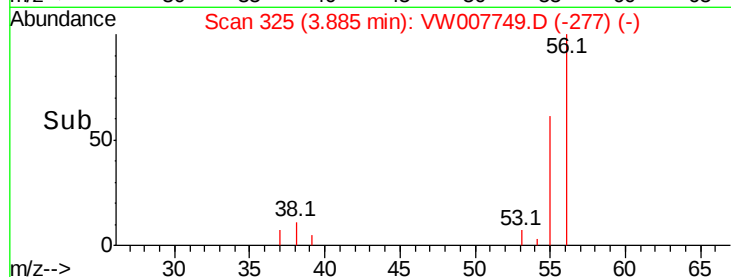
1000

500

0

3.80 3.90 4.00

Time-->



#14

Allyl chloride

Concen: 20.534 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW007749.D

Acq: 20 Dec 2018 16:15

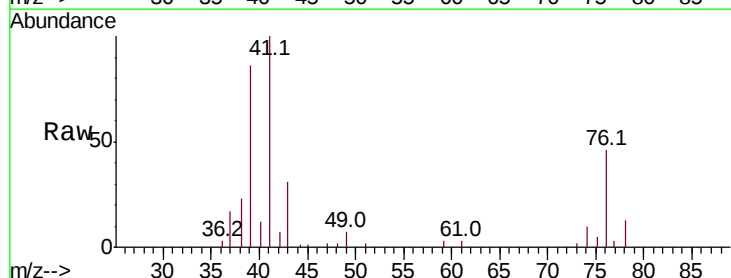
Tgt Ion: 41 Resp: 18441

Ion Ratio Lower Upper

41 100

39 87.4 69.5 104.3

76 45.0 34.8 52.2



Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW

4.66

8000

6000

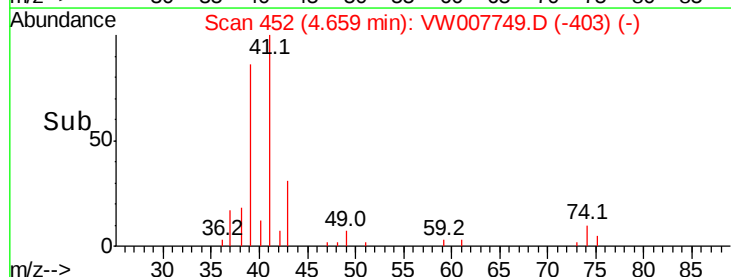
4000

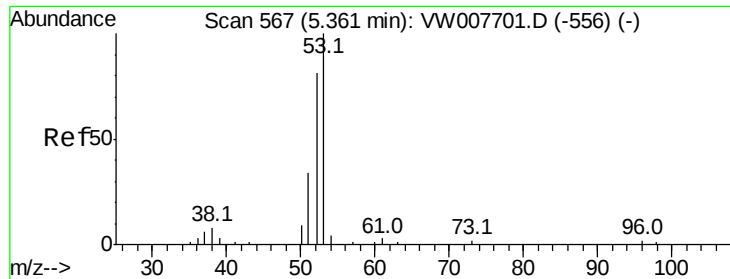
2000

0

4.50 4.60 4.70 4.80

Time-->





#15

Acrylonitrile

Concen: 98.975 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW007749.D

Acq: 20 Dec 2018 16:15

Instrument :
MSVOA_W
ClientSampled :

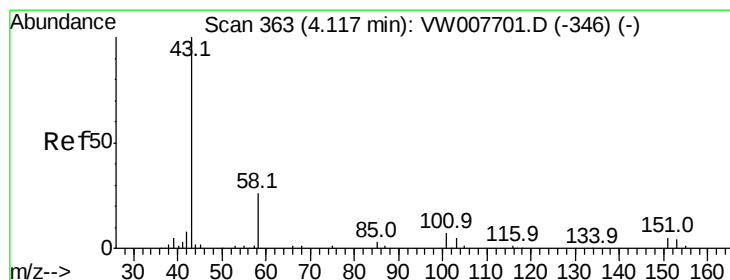
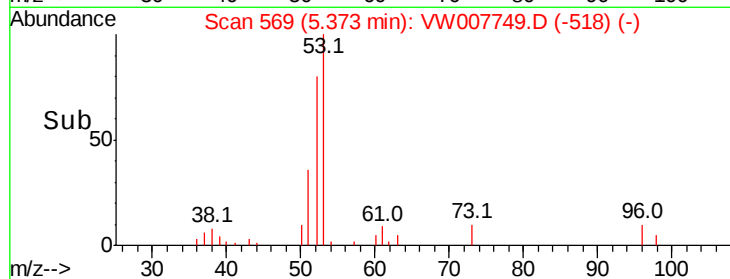
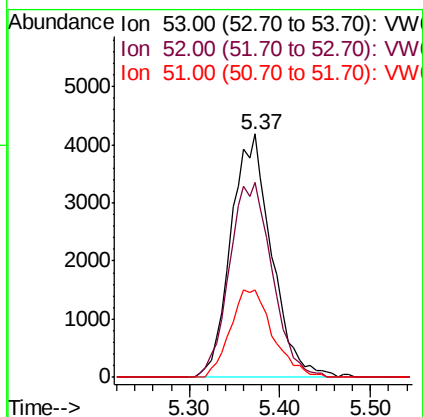
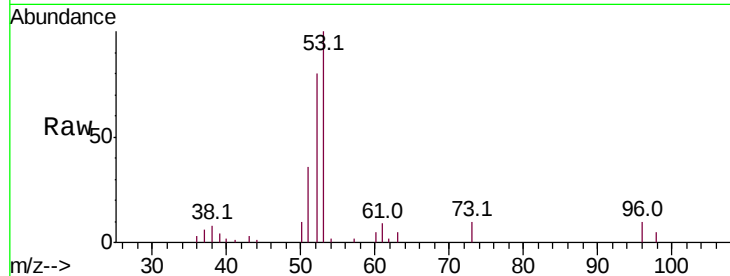
Tot Ion: 53 Resp: 12986

Ion Ratio Lower Upper

53 100

52 84.3 67.0 100.4

51 37.8 30.2 45.2



#16

Acetone

Concen: 102.340 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW007749.D

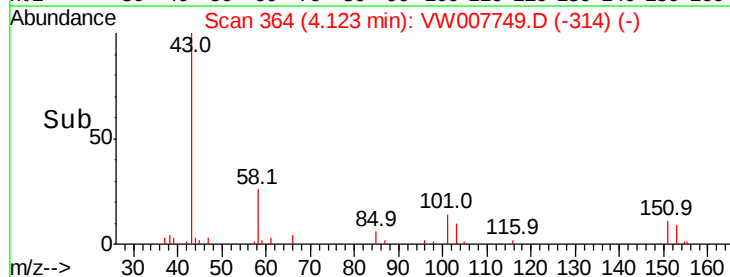
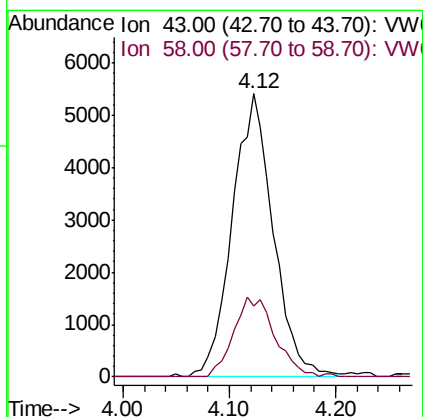
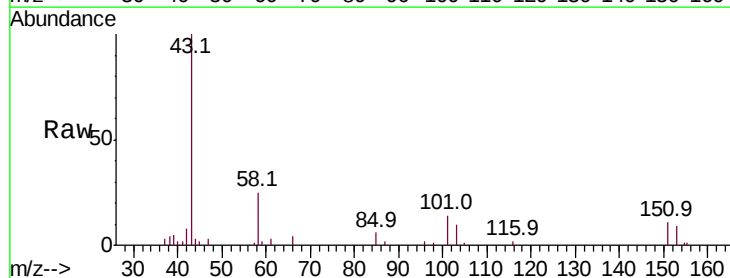
Acq: 20 Dec 2018 16:15

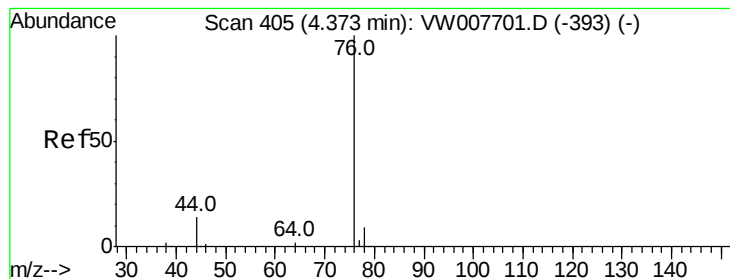
Tgt Ion: 43 Resp: 14580

Ion Ratio Lower Upper

43 100

58 25.3 21.2 31.8





#17

Carbon Disulfide

Concen: 20.437 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW007749.D

Acq: 20 Dec 2018 16:15

Instrument :

MSVOA_W

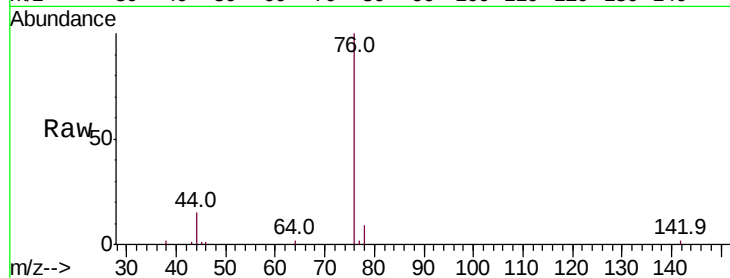
ClientSampled :

Tot Ion: 76 Resp: 43311

Ion Ratio Lower Upper

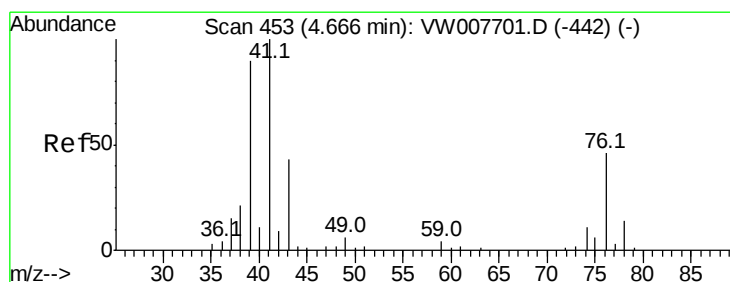
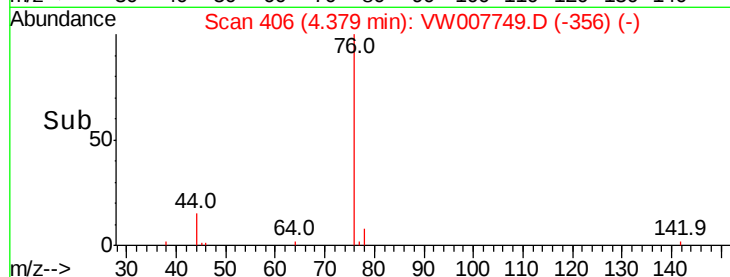
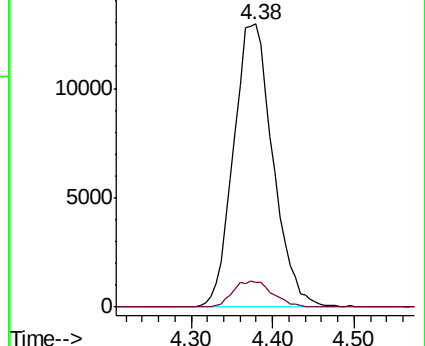
76 100

78 8.8 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 20.058 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW007749.D

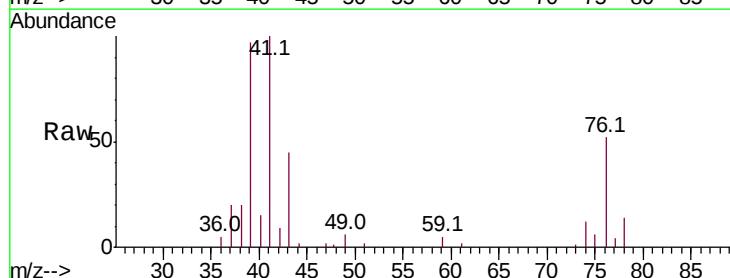
Acq: 20 Dec 2018 16:15

Tgt Ion: 43 Resp: 6796

Ion Ratio Lower Upper

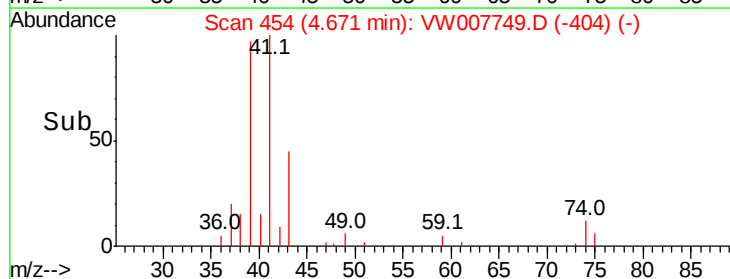
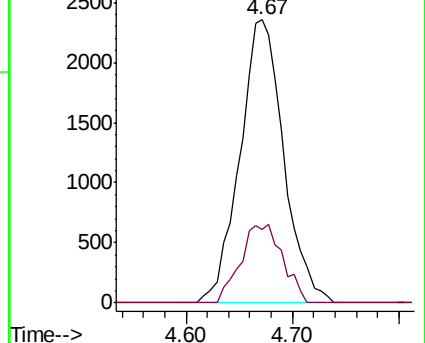
43 100

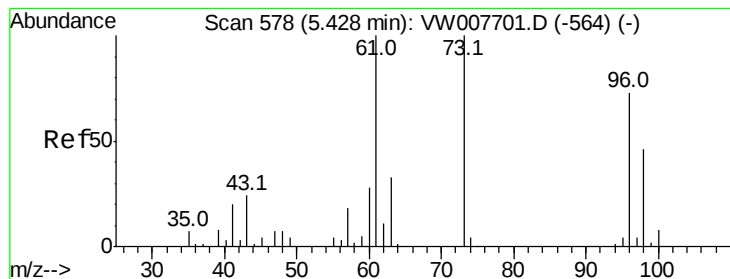
74 26.7 22.7 34.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



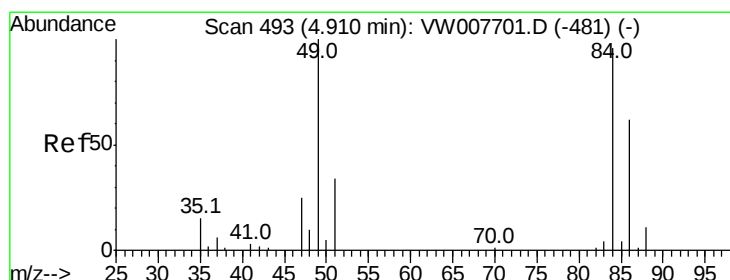
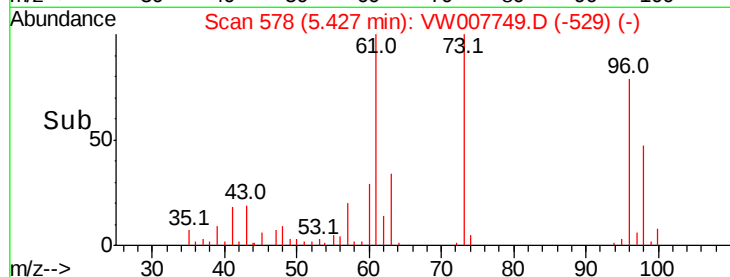
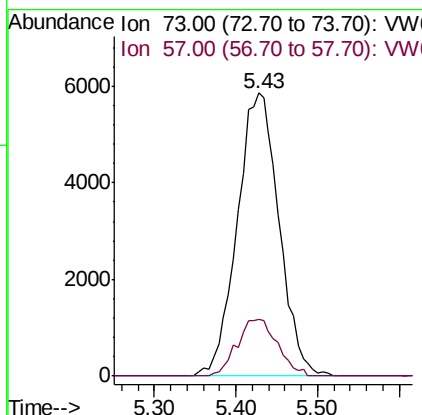
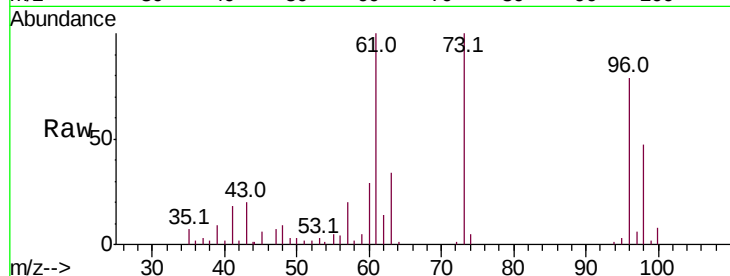


#19

Methyl tert-butyl Ether
 Concen: 21.122 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. -0.00 min
 Lab File: VW007749.D
 Acq: 20 Dec 2018 16:15

Instrument :
 MSVOA_W
 ClientSampled :

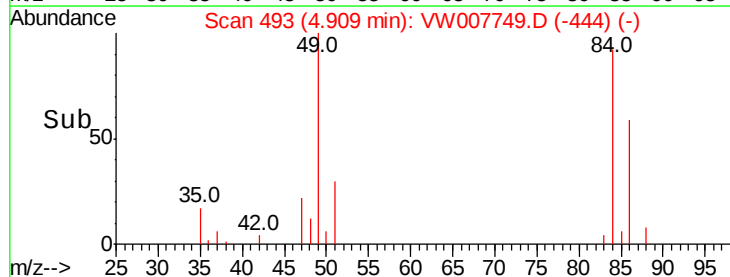
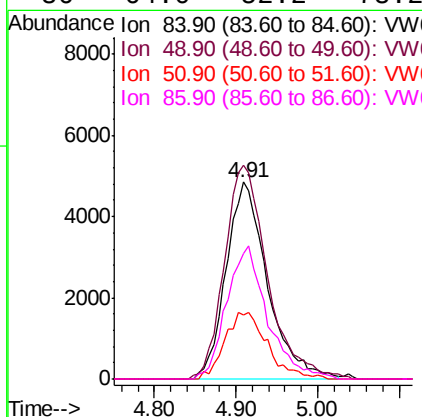
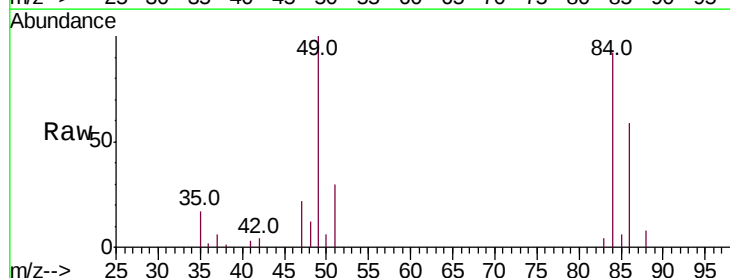
Tot Ion: 73 Resp: 20767
 Ion Ratio Lower Upper
 73 100
 57 20.2 14.7 22.1

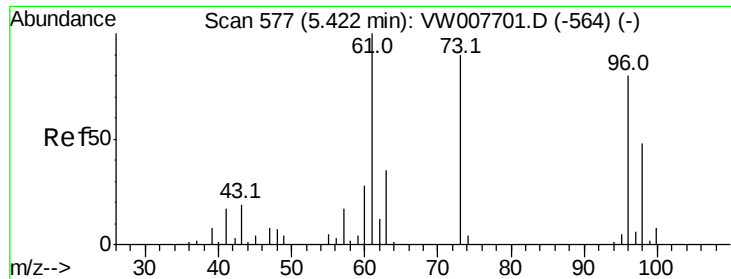


#20

Methylene Chloride
 Concen: 20.146 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. 0.00 min
 Lab File: VW007749.D
 Acq: 20 Dec 2018 16:15

Tgt Ion: 84 Resp: 17036
 Ion Ratio Lower Upper
 84 100
 49 108.5 83.7 125.5
 51 32.2 28.2 42.2
 86 64.0 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 20.580 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW007749.D

Acq: 20 Dec 2018 16:15

Instrument :
MSVOA_W
ClientSampleId :

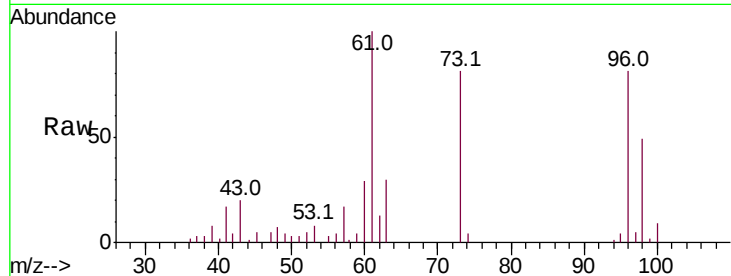
Tot Ion: 96 Resp: 15501

Ion Ratio Lower Upper

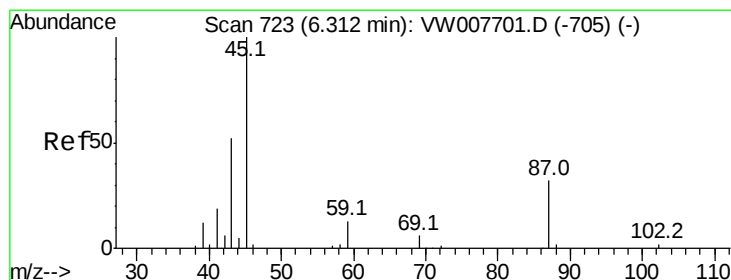
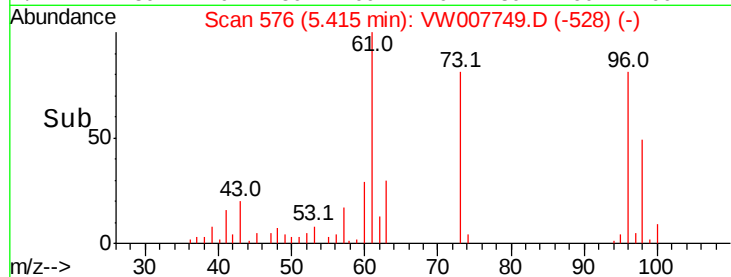
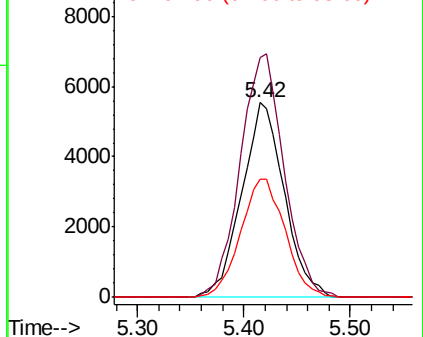
96 100

61 123.3 100.1 150.1

98 60.9 48.5 72.7



Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 20.581 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW007749.D

Acq: 20 Dec 2018 16:15

Tgt Ion: 45 Resp: 34610

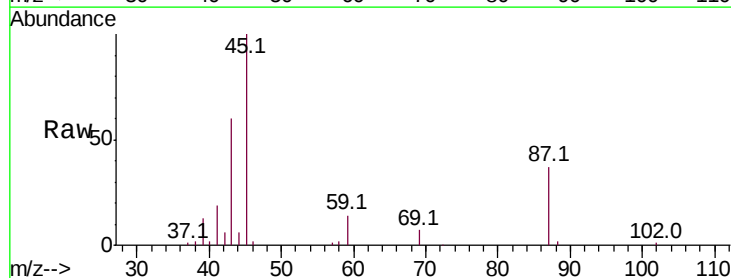
Ion Ratio Lower Upper

45 100

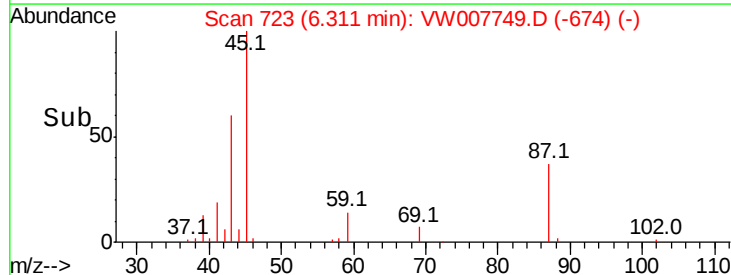
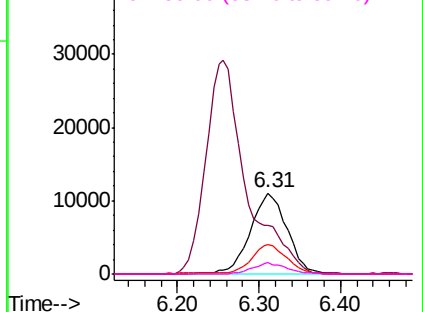
43 59.6 43.7 65.5

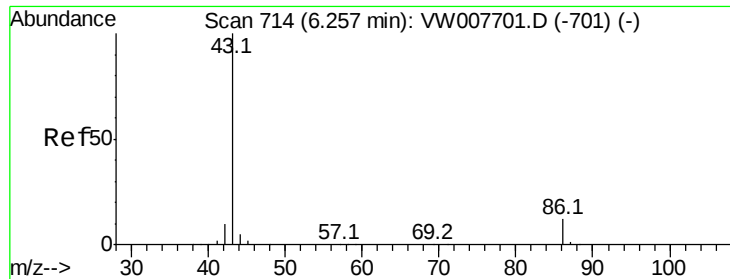
87 36.5 26.6 40.0

59 13.8 10.2 15.2



Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 101.387 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW007749.D

Acq: 20 Dec 2018 16:15

Instrument :

MSVOA_W

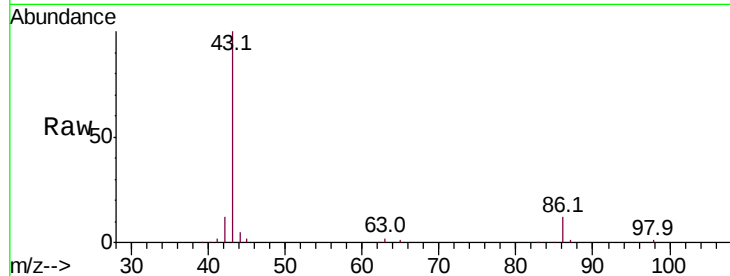
ClientSampleId :

Tot Ion: 43 Resp: 101296

Ion Ratio Lower Upper

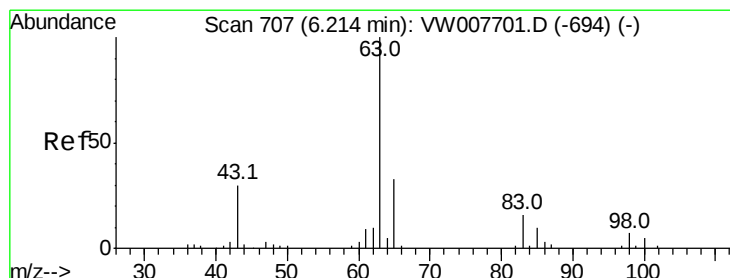
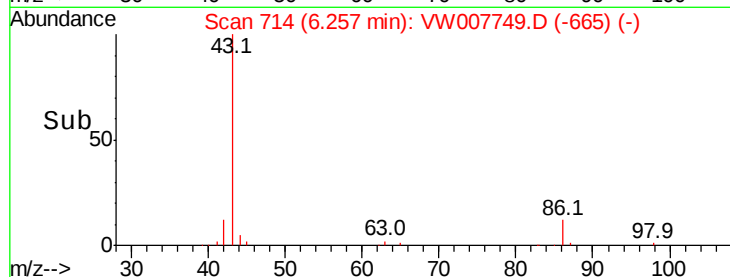
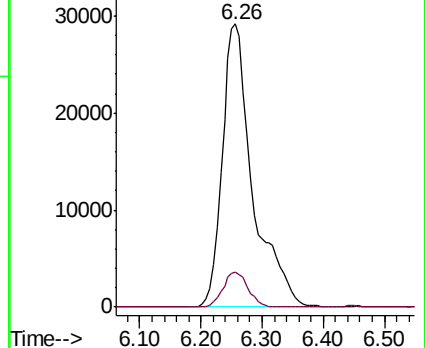
43 100

86 12.2 9.6 14.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 20.943 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW007749.D

Acq: 20 Dec 2018 16:15

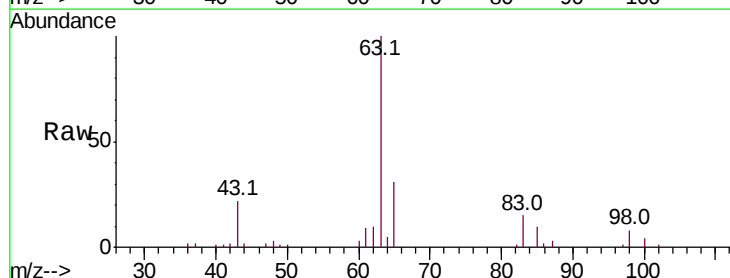
Tgt Ion: 63 Resp: 25908

Ion Ratio Lower Upper

63 100

98 8.0 3.6 10.9

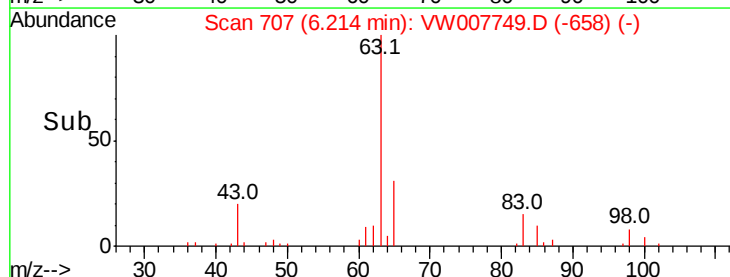
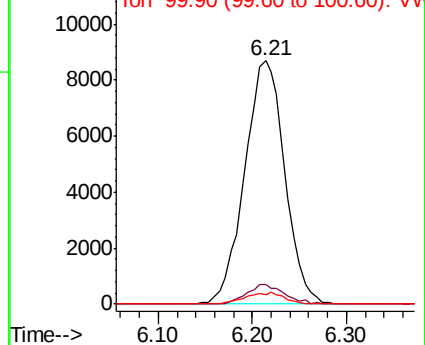
100 4.0 2.5 7.5

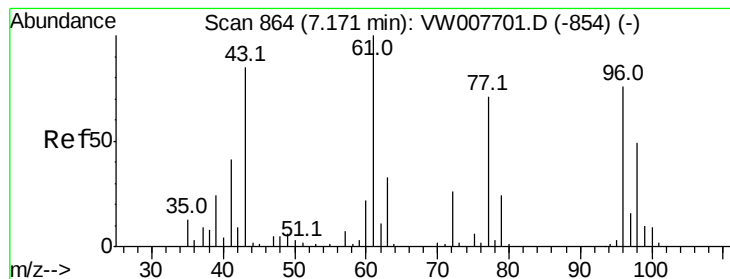


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 96.111 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW007749.D

Acq: 20 Dec 2018 16:15

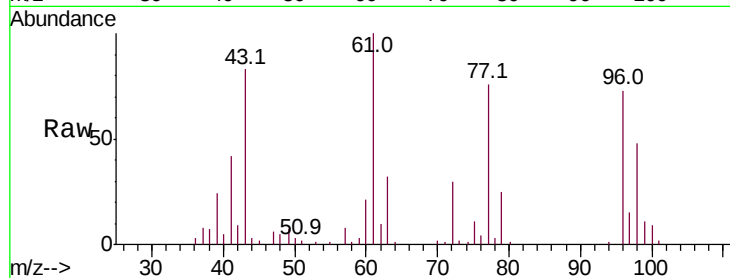
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 16038

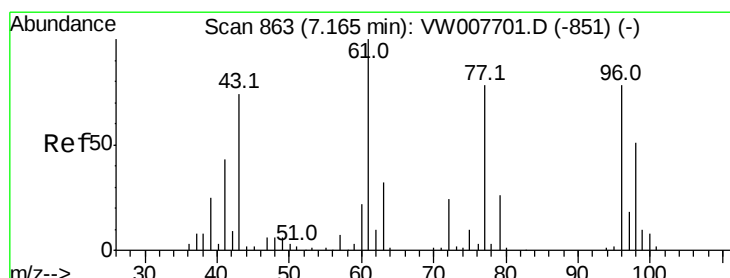
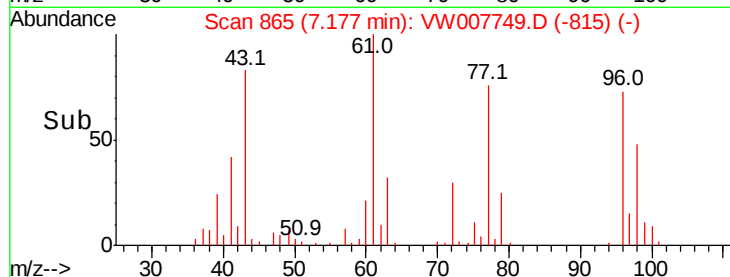
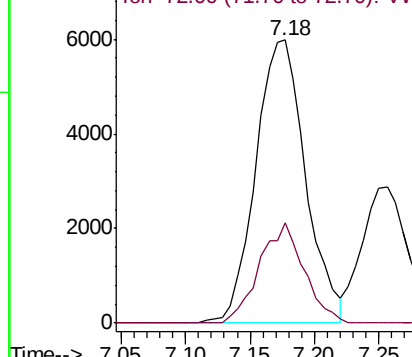
Ion Ratio Lower Upper

43 100

72 35.7 24.5 36.7



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 21.400 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW007749.D

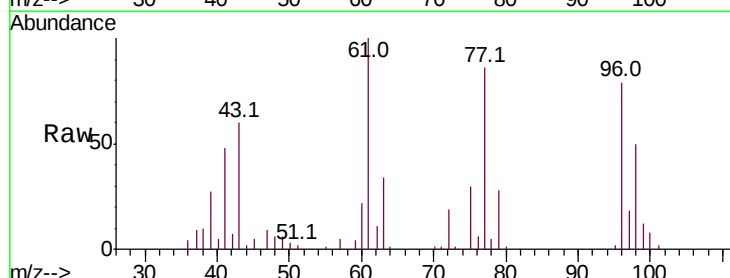
Acq: 20 Dec 2018 16:15

Tgt Ion: 77 Resp: 19373

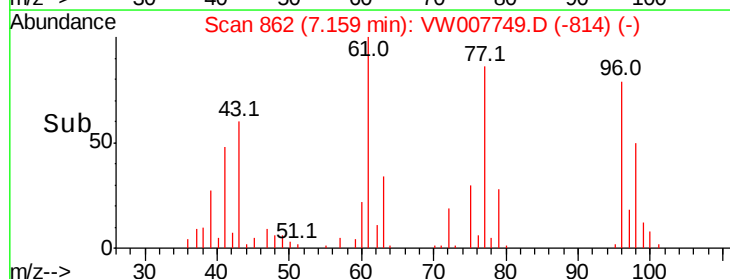
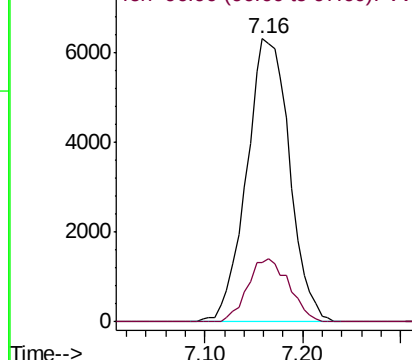
Ion Ratio Lower Upper

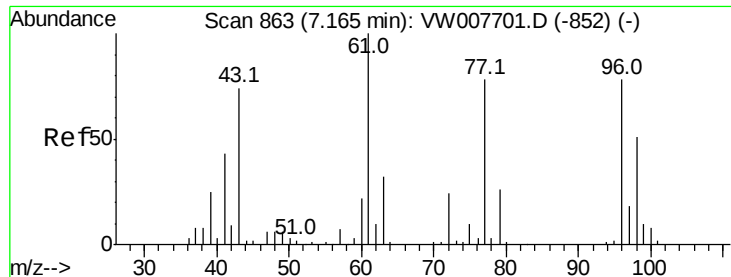
77 100

97 21.4 11.3 33.9



Abundance Ion 76.90 (76.60 to 77.60): VW
Ion 96.90 (96.60 to 97.60): VW



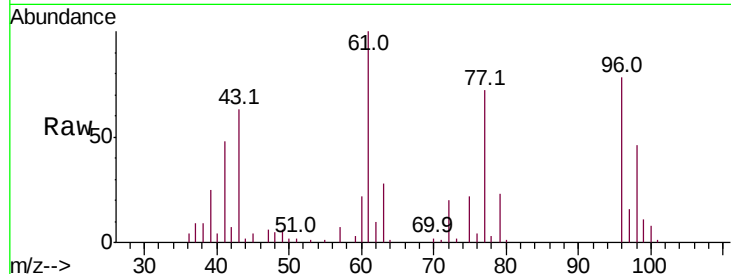


#27

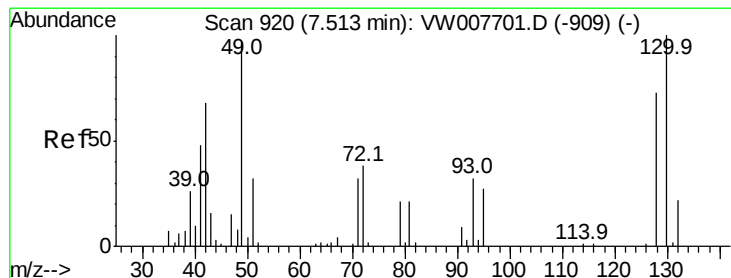
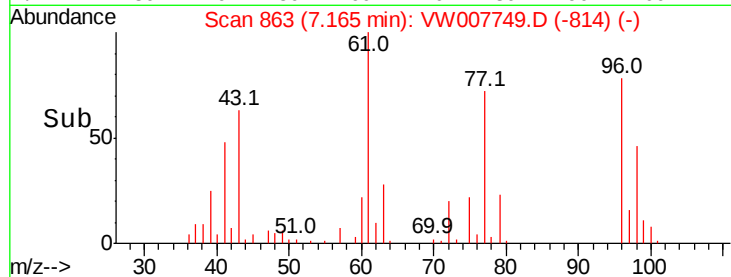
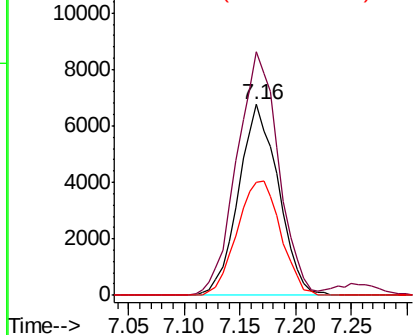
cis-1,2-Dichloroethene
Concen: 20.989 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW007749.D
Acq: 20 Dec 2018 16:15

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 96 Resp: 16843
Ion Ratio Lower Upper
96 100
61 133.5 0.0 271.6
98 65.2 0.0 131.2



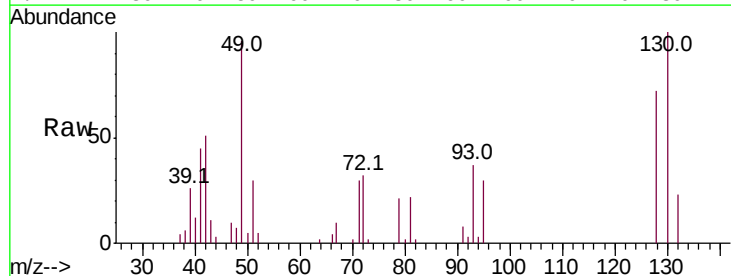
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



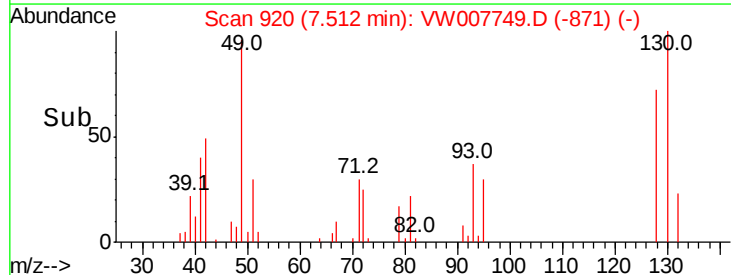
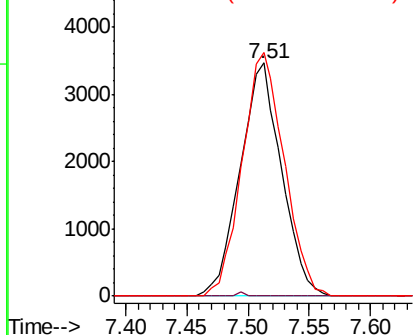
#28

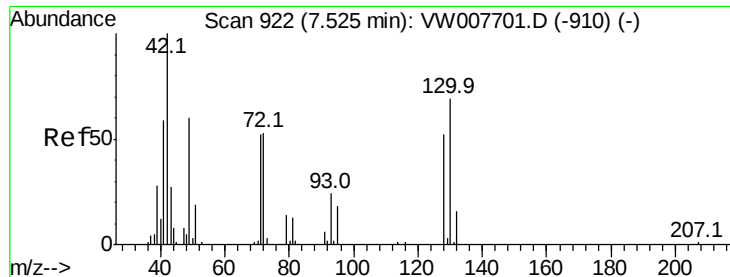
Bromochloromethane
Concen: 19.360 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW007749.D
Acq: 20 Dec 2018 16:15

Tgt Ion: 49 Resp: 8166
Ion Ratio Lower Upper
49 100
129 0.3 0.0 2.2
130 105.8 81.5 122.3



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

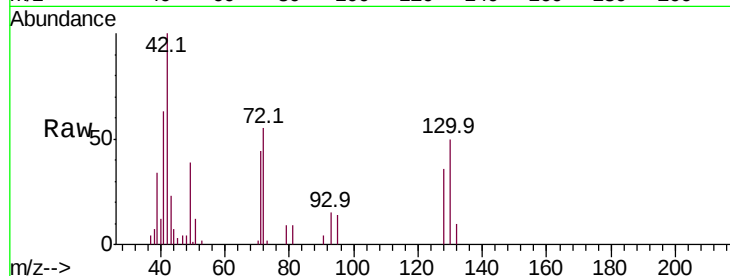




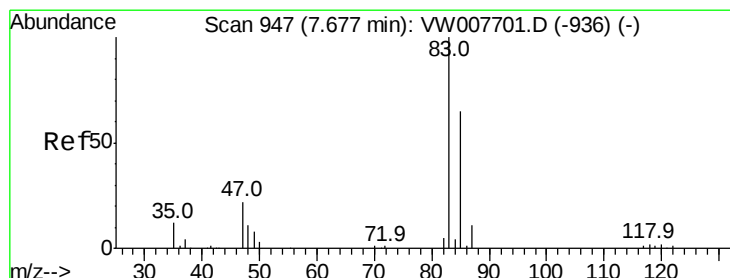
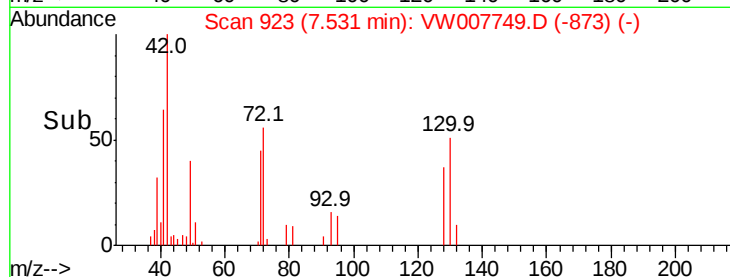
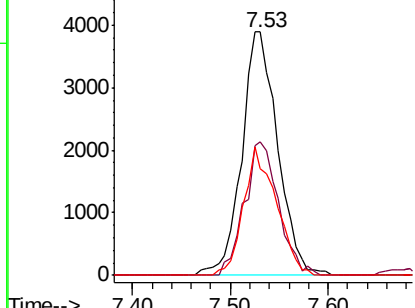
#29
Tetrahydrofuran
Concen: 99.573 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW007749.D
Acq: 20 Dec 2018 16:15

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 42 Resp: 9911
Ion Ratio Lower Upper
42 100
72 52.2 41.7 62.5
71 48.3 39.0 58.6

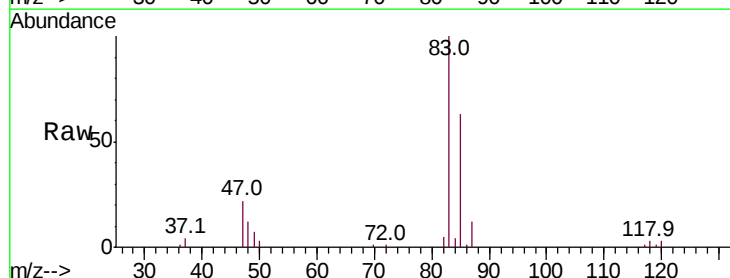


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

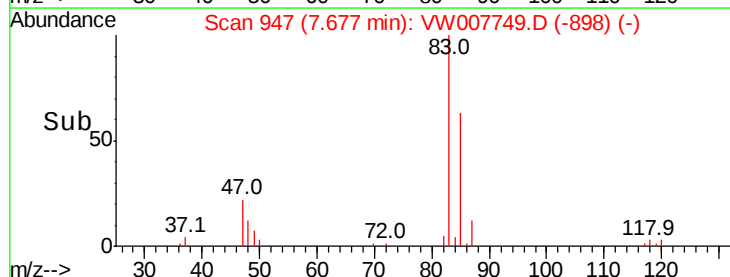
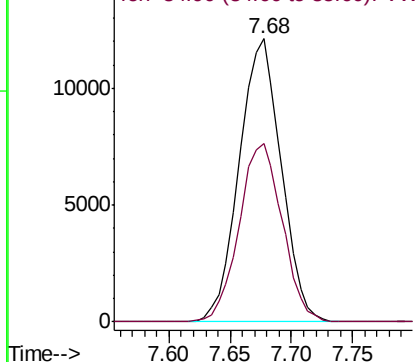


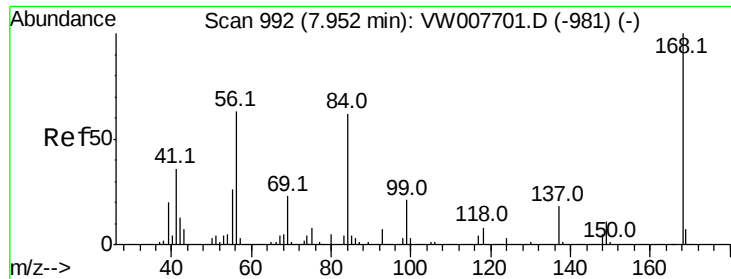
#30
Chloroform
Concen: 20.693 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW007749.D
Acq: 20 Dec 2018 16:15

Tgt Ion: 83 Resp: 28971
Ion Ratio Lower Upper
83 100
85 63.1 52.2 78.2



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

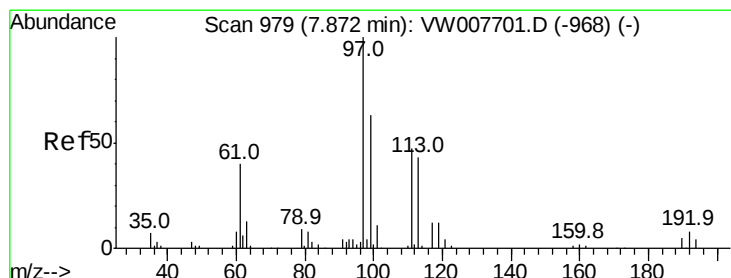
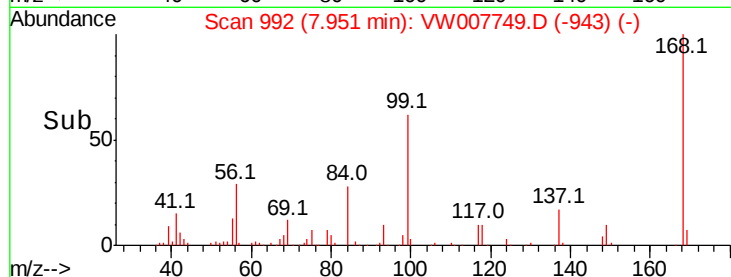
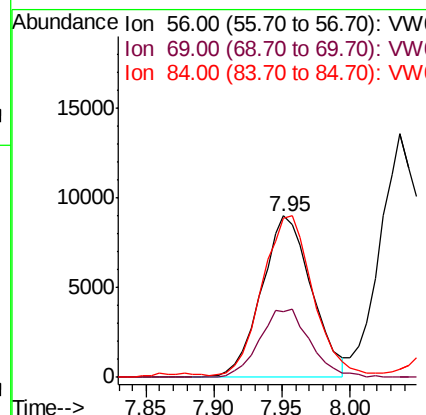
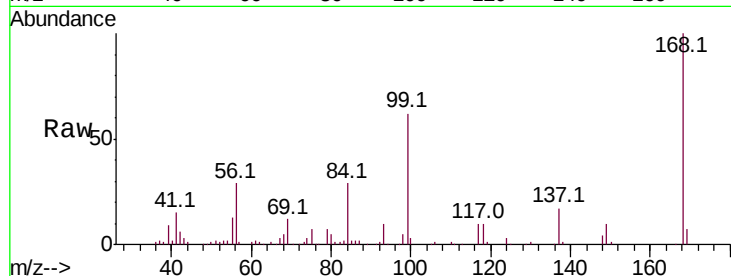




#31
Cyclohexane
Concen: 20.439 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW007749.D
Acq: 20 Dec 2018 16:15

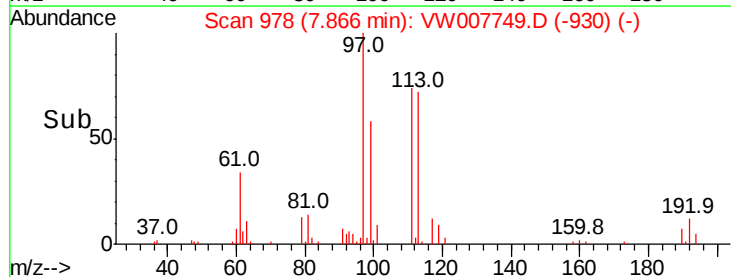
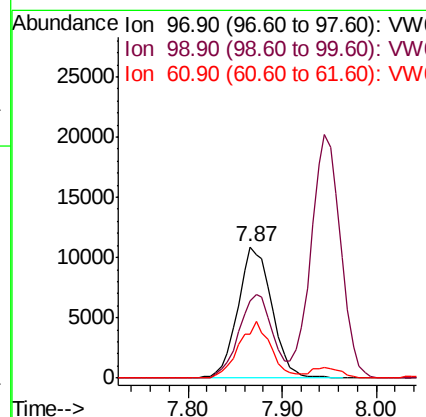
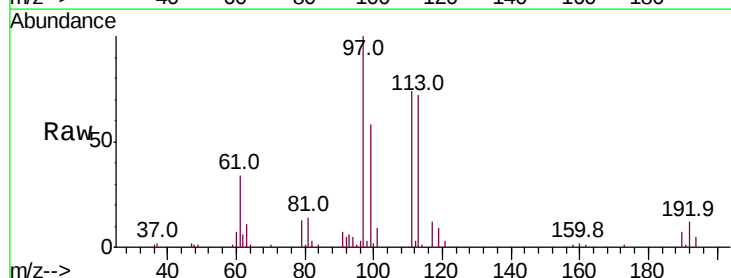
Instrument :
MSVOA_W
ClientSampleId :

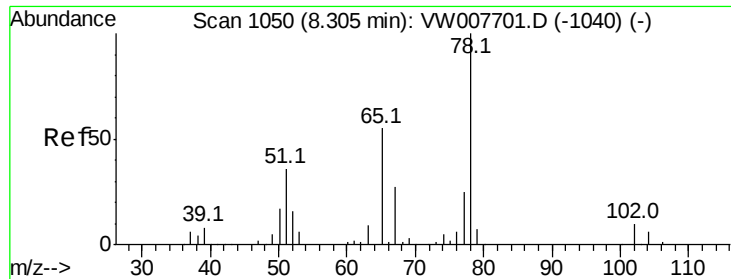
Tot Ion: 56 Resp: 23148
Ion Ratio Lower Upper
56 100
69 40.8 29.7 44.5
84 97.0 78.9 118.3



#32
1,1,1-Trichloroethane
Concen: 21.469 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW007749.D
Acq: 20 Dec 2018 16:15

Tgt Ion: 97 Resp: 27374
Ion Ratio Lower Upper
97 100
99 64.2 50.6 76.0
61 40.8 32.3 48.5

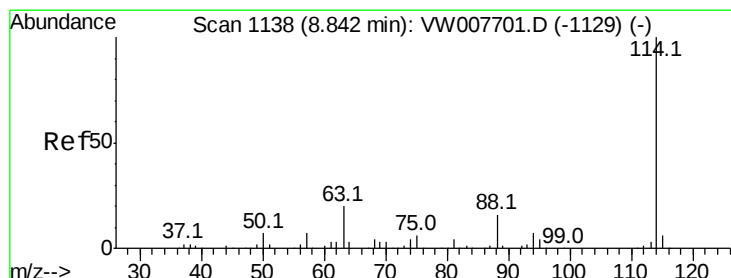
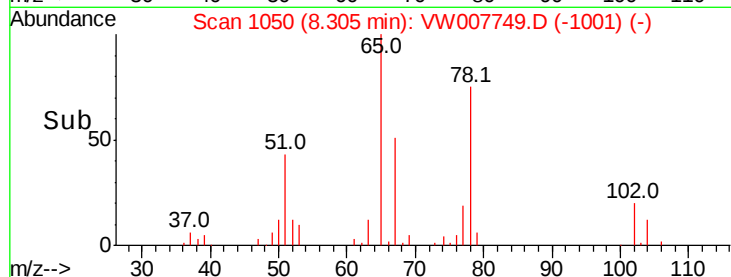
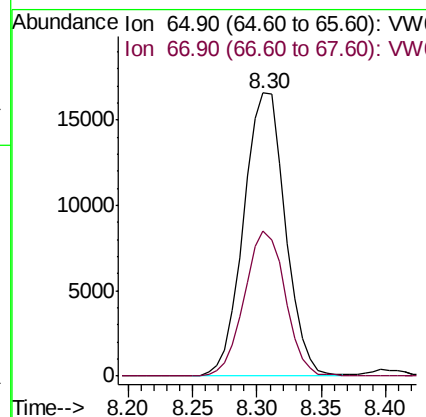
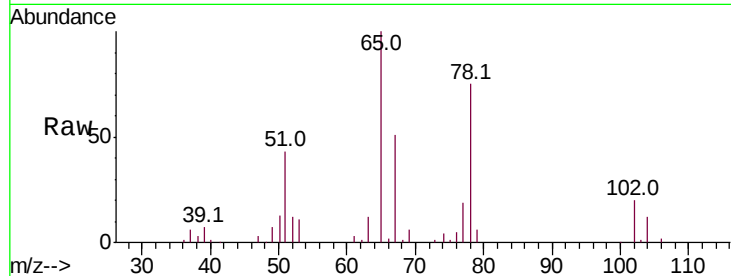




#33
 1,2-Dichloroethane-d4
 Concen: 48.958 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007749.D
 Acq: 20 Dec 2018 16:15

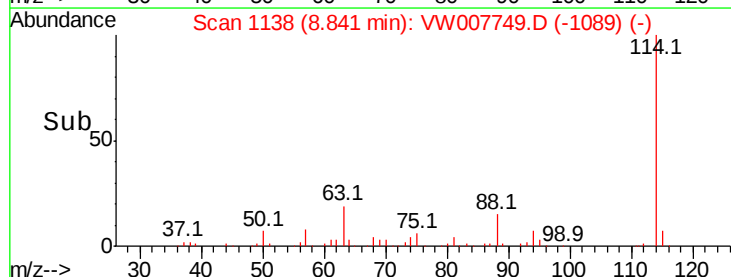
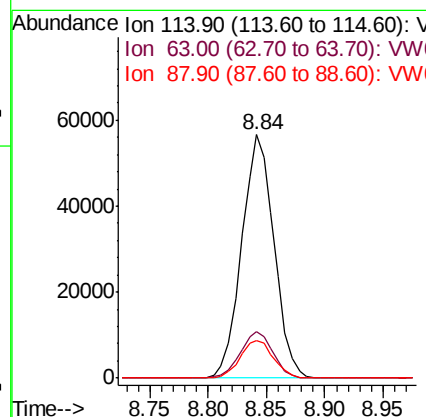
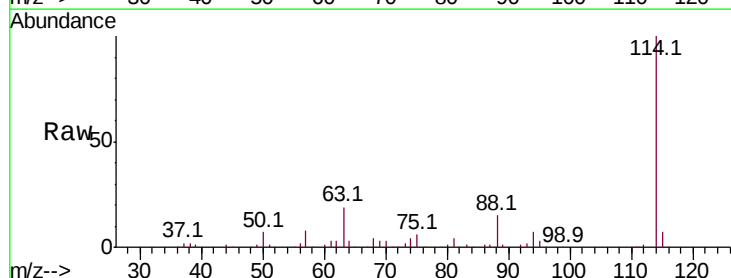
Instrument :
 MSVOA_W
 ClientSampled :

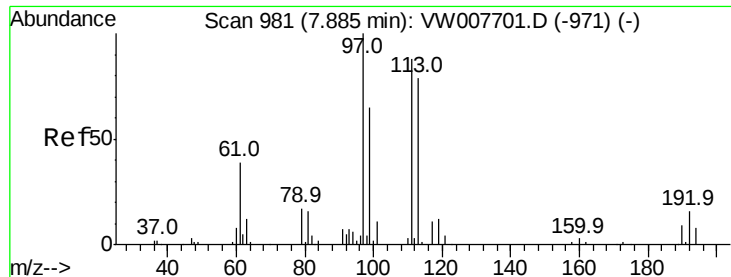
Tot Ion: 65 Resp: 37247
 Ion Ratio Lower Upper
 65 100
 67 50.1 0.0 100.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007749.D
 Acq: 20 Dec 2018 16:15

Tgt Ion: 114 Resp: 109286
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 40.0
 88 15.4 0.0 32.6





#35

Dibromofluoromethane

Concen: 51.585 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW007749.D

Acq: 20 Dec 2018 16:15

Instrument :
MSVOA_W
ClientSampleId :

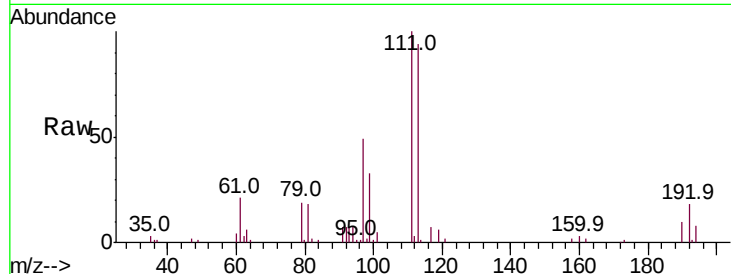
Tot Ion:113 Resp: 34392

Ion Ratio Lower Upper

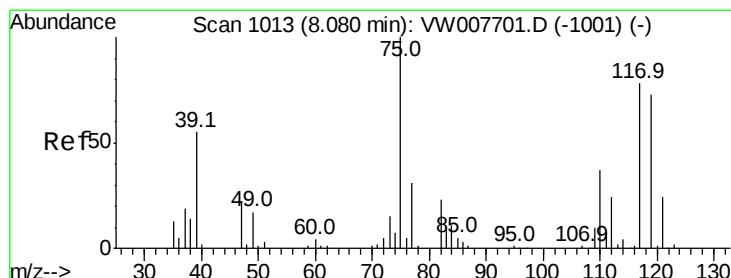
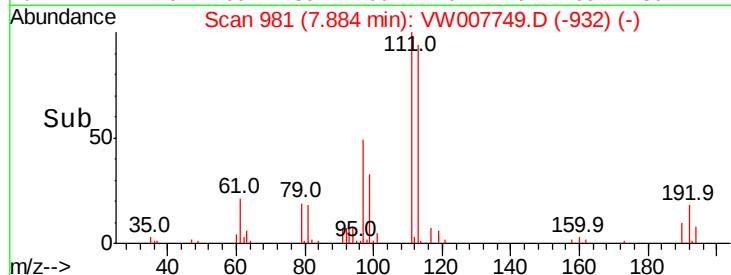
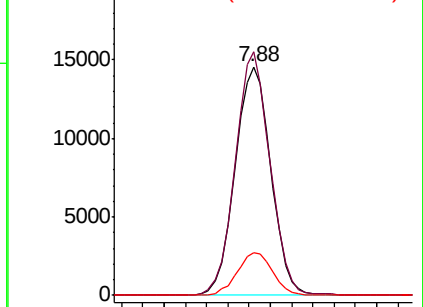
113 100

111 103.4 82.6 124.0

192 18.4 15.5 23.3



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: 21.246 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW007749.D

Acq: 20 Dec 2018 16:15

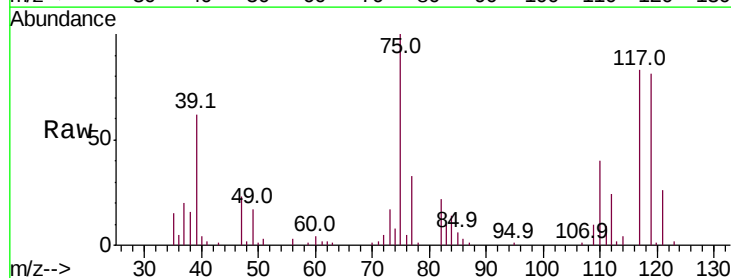
Tgt Ion: 75 Resp: 22410

Ion Ratio Lower Upper

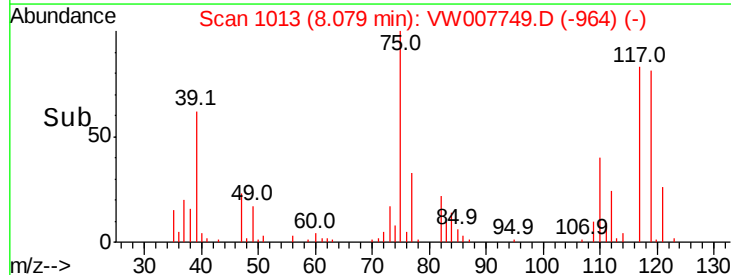
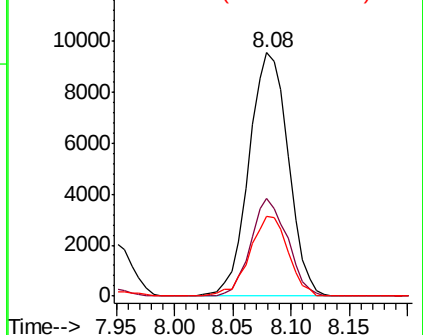
75 100

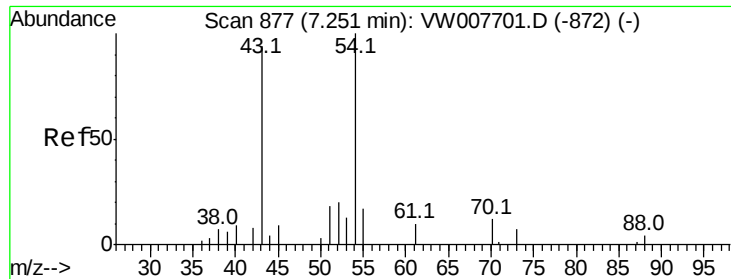
110 37.5 18.6 55.8

77 31.9 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

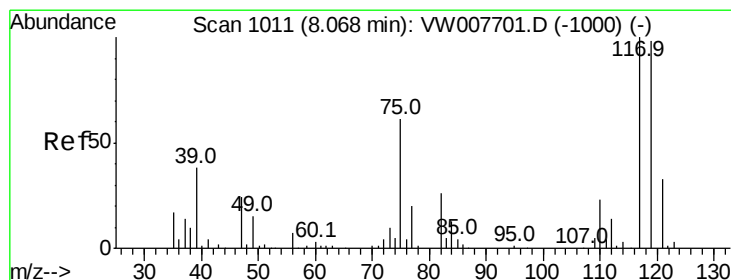
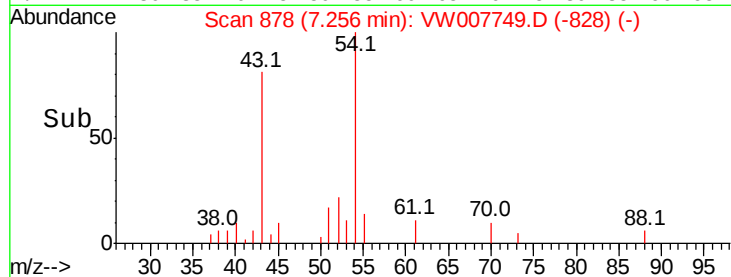
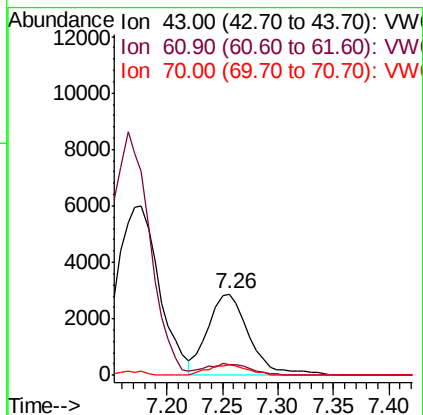
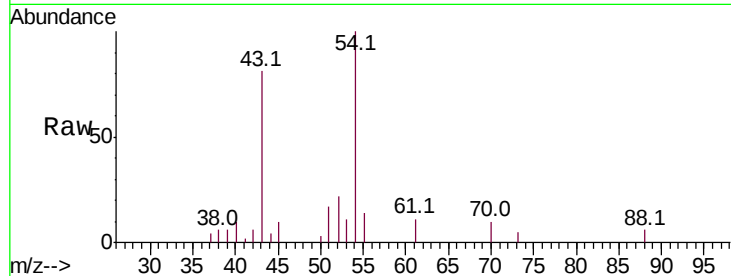




#37
Ethyl Acetate
Concen: 20.540 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW007749.D
Acq: 20 Dec 2018 16:15

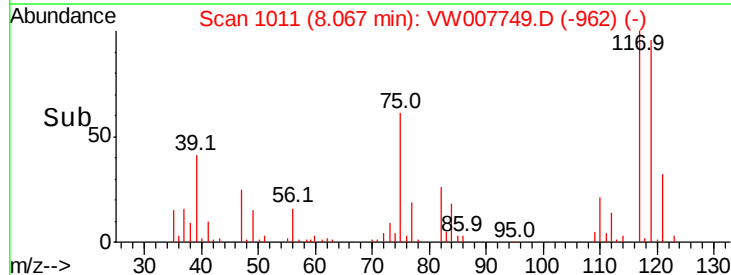
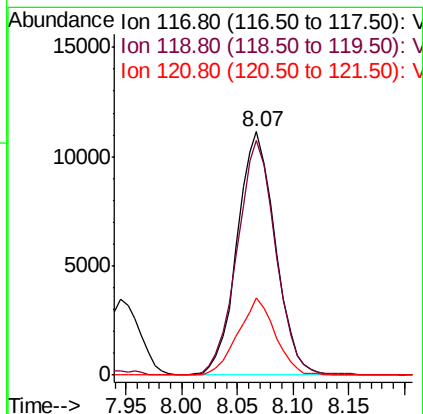
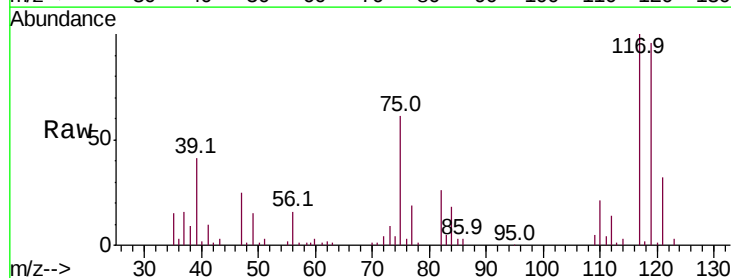
Instrument :
MSVOA_W
ClientSampled :

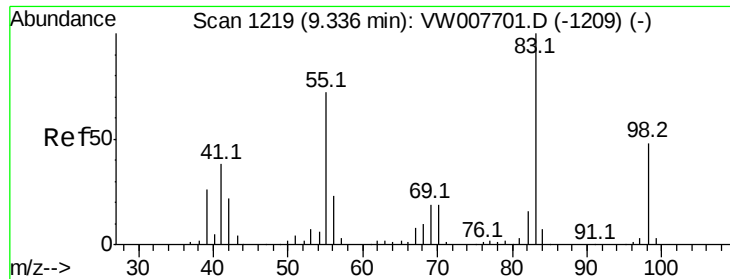
Tot Ion: 43 Resp: 7477
Ion Ratio Lower Upper
43 100
61 15.5 11.2 16.8
70 12.4 9.3 13.9



#38
Carbon Tetrachloride
Concen: 21.308 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW007749.D
Acq: 20 Dec 2018 16:15

Tgt Ion: 117 Resp: 26469
Ion Ratio Lower Upper
117 100
119 96.2 78.2 117.2
121 31.5 26.1 39.1





#39

Methvlcvclohexane

Concen: 21.740 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW007749.D

Acq: 20 Dec 2018 16:15

Instrument :
MSVOA_W
ClientSampled :

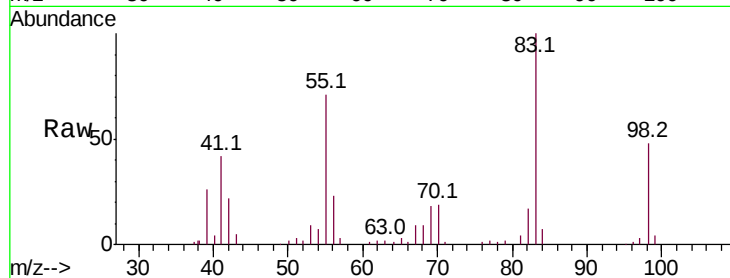
Tot Ion: 83 Resp: 28495

Ion Ratio Lower Upper

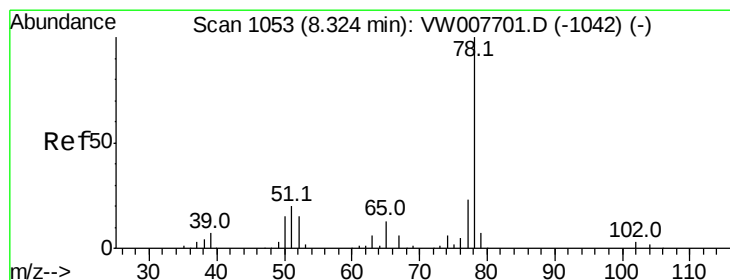
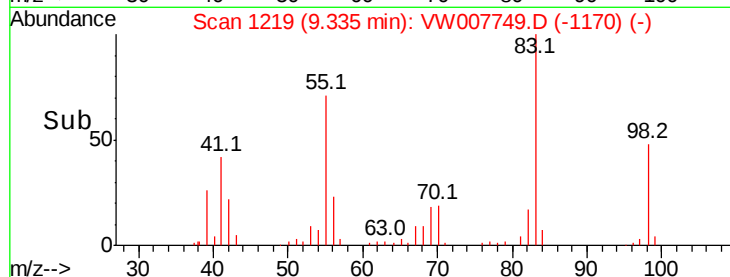
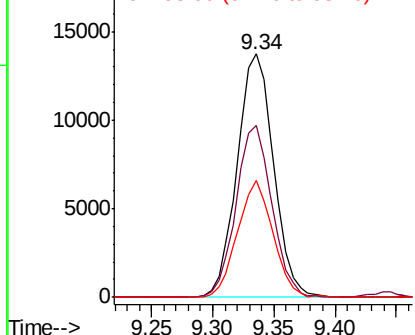
83 100

55 70.5 57.2 85.8

98 48.2 38.6 58.0



Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW



#40

Benzene

Concen: 21.433 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW007749.D

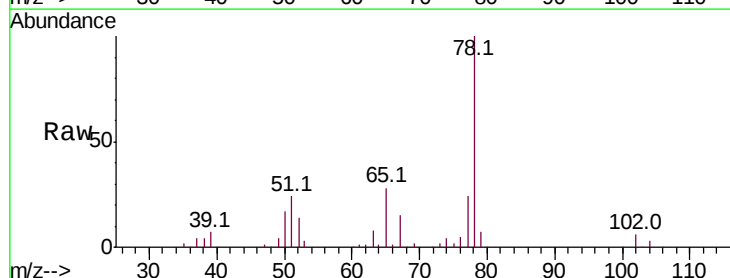
Acq: 20 Dec 2018 16:15

Tgt Ion: 78 Resp: 60328

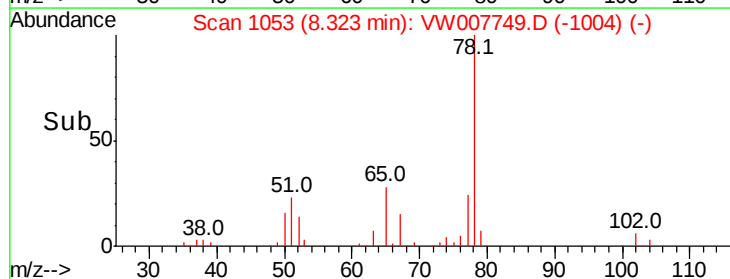
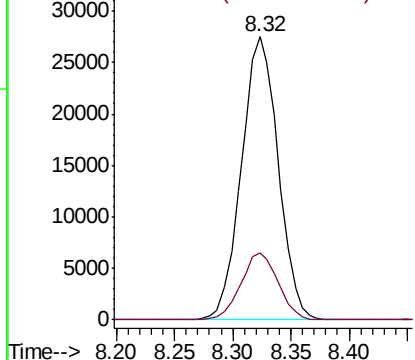
Ion Ratio Lower Upper

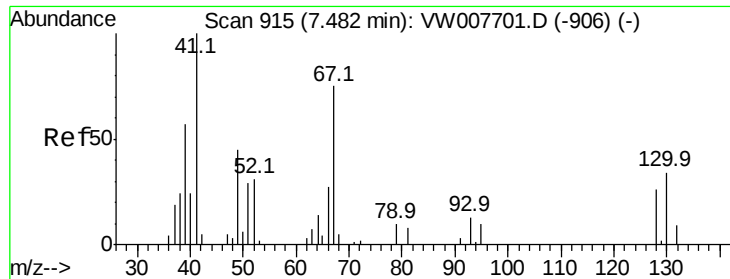
78 100

77 23.8 18.7 28.1



Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW

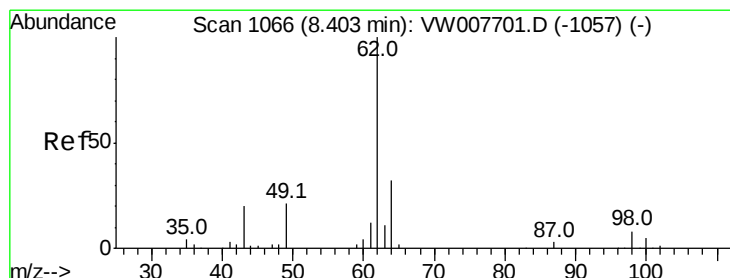
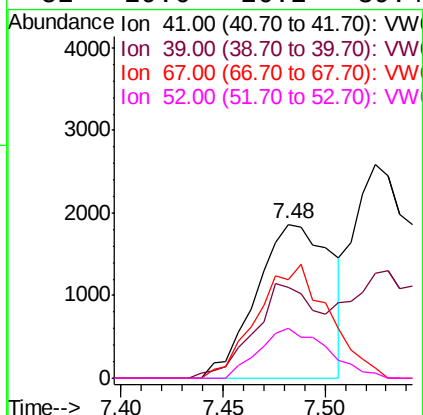
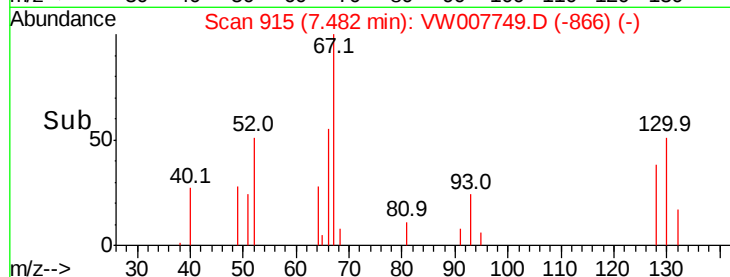
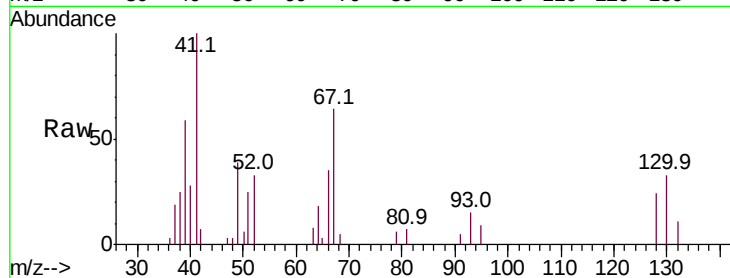




#41
Methacrylonitrile
Concen: 23.113 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW007749.D
Acq: 20 Dec 2018 16:15

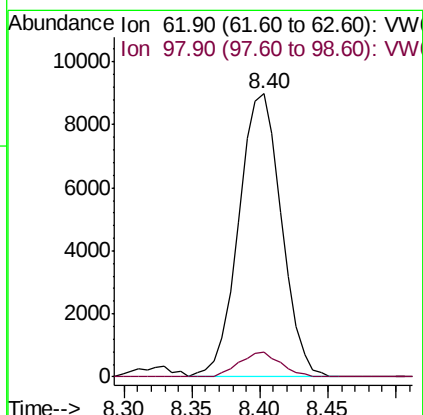
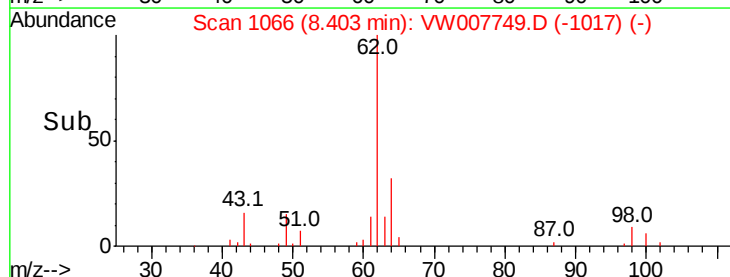
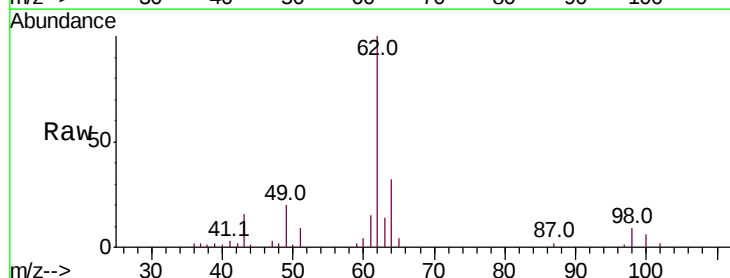
Instrument :
MSVOA_W
ClientSampled :

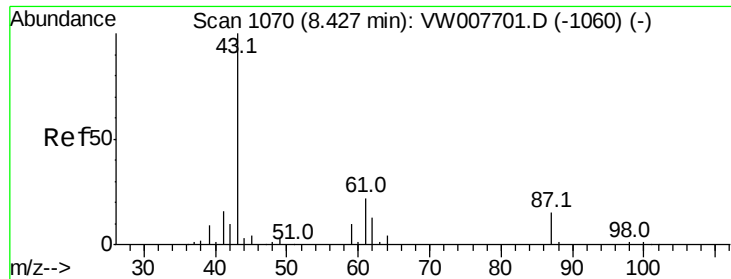
Tot Ion: 41 Resp: 4777
Ion Ratio Lower Upper
41 100
39 51.9 54.2 81.4#
67 70.3 65.7 98.5
52 29.6 26.2 39.4



#42
1,2-Dichloroethane
Concen: 20.821 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW007749.D
Acq: 20 Dec 2018 16:15

Tgt Ion: 62 Resp: 19640
Ion Ratio Lower Upper
62 100
98 8.3 0.0 16.6





#43

Isopropyl Acetate

Concen: 19.931 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW007749.D

Acq: 20 Dec 2018 16:15

Instrument :

MSVOA_W

ClientSampled :

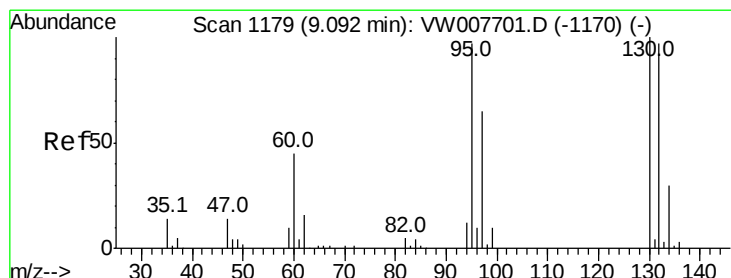
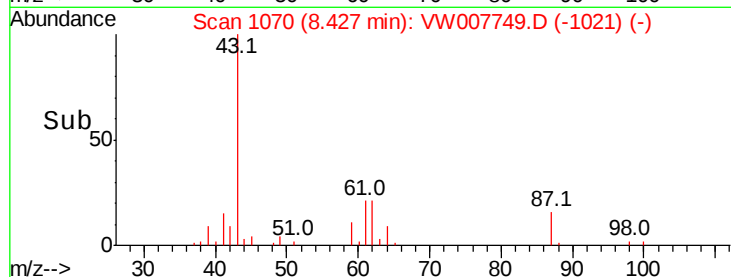
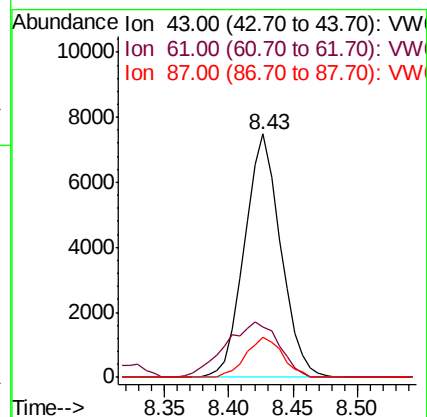
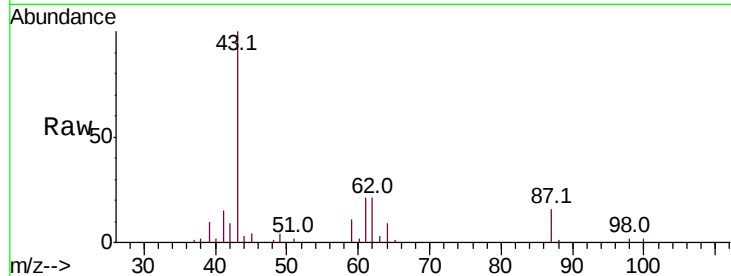
Tot Ion: 43 Resp: 14536

Ion Ratio Lower Upper

43 100

61 33.7 26.3 39.5

87 16.4 12.0 18.0



#44

Trichloroethene

Concen: 21.259 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW007749.D

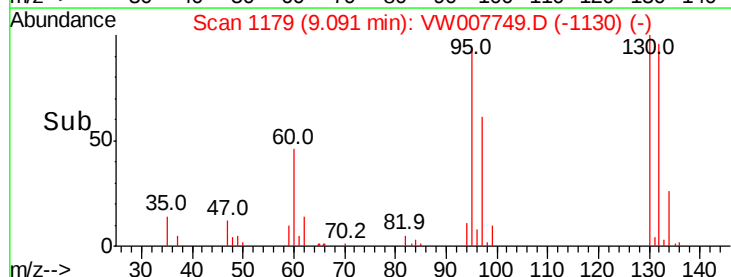
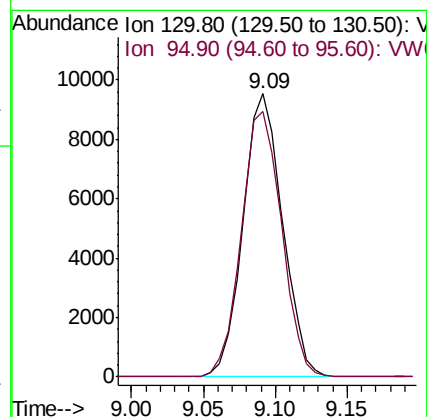
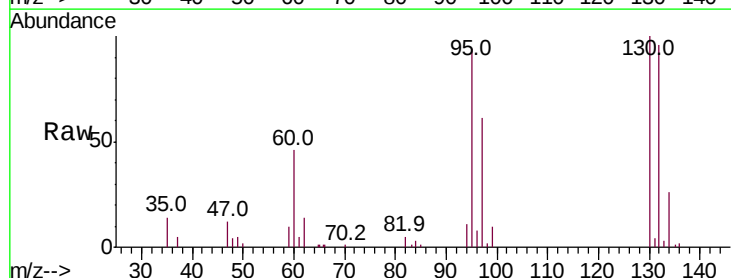
Acq: 20 Dec 2018 16:15

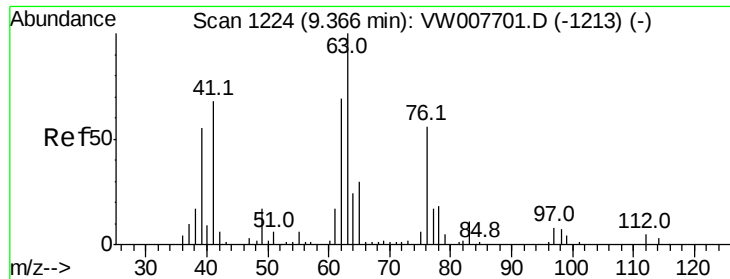
Tgt Ion: 130 Resp: 18096

Ion Ratio Lower Upper

130 100

95 94.0 0.0 194.8

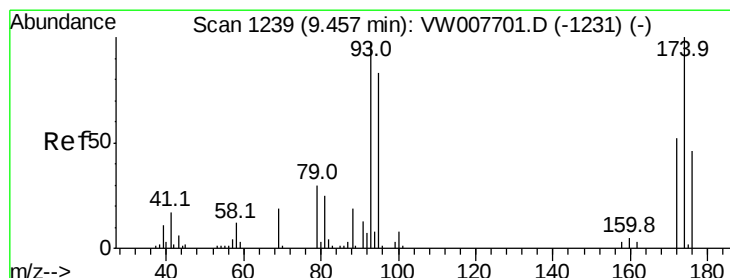
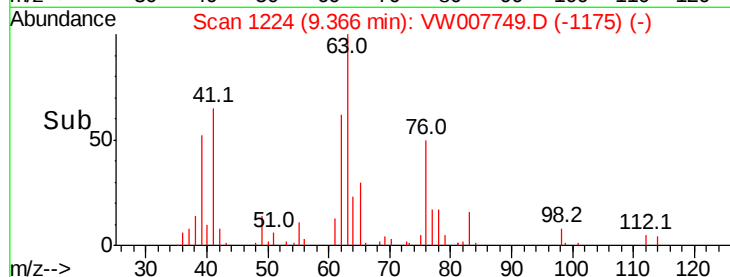
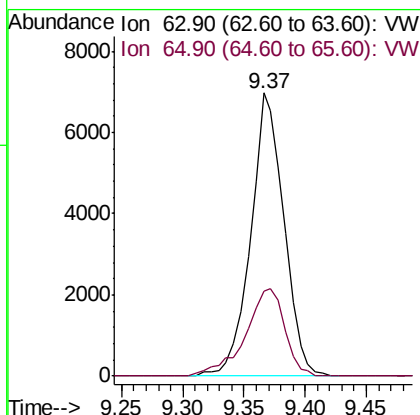
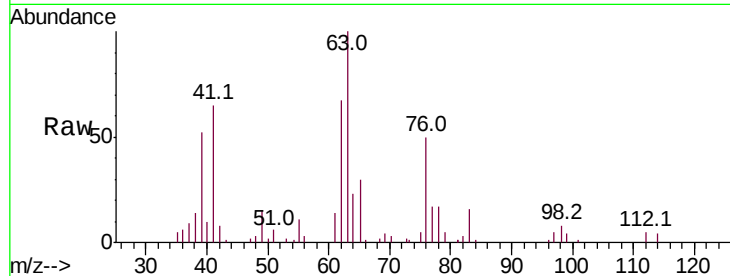




#45
 1,2-Dichloropropane
 Concen: 21.088 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW007749.D
 Acq: 20 Dec 2018 16:15

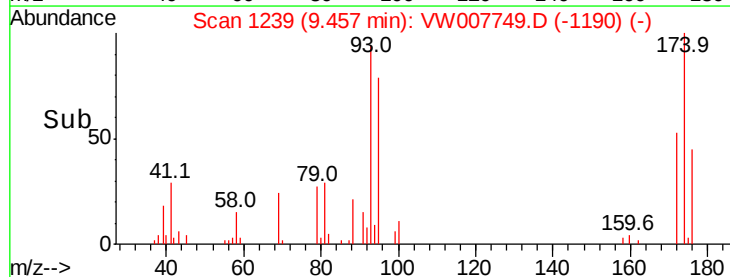
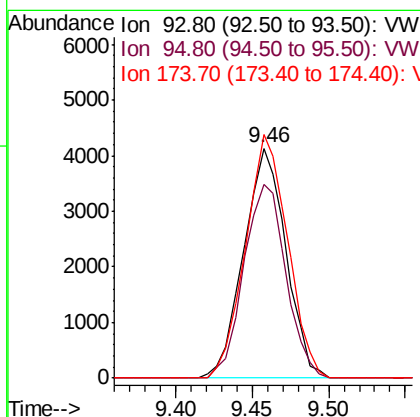
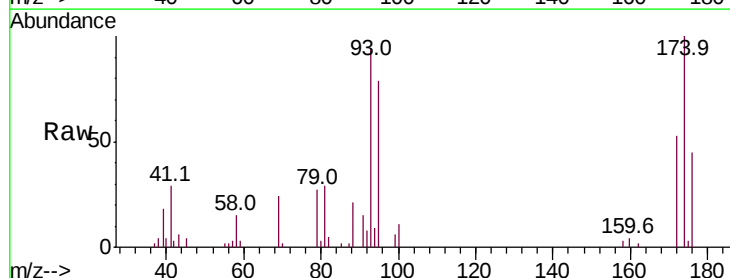
Instrument :
 MSVOA_W
 ClientSampleId :

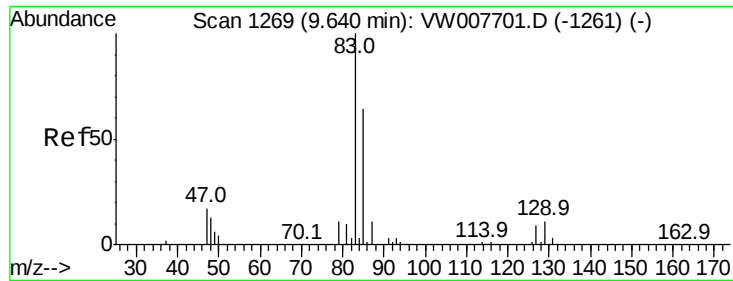
Tot Ion: 63 Resp: 13171
 Ion Ratio Lower Upper
 63 100
 65 30.0 23.8 35.8



#46
 Dibromomethane
 Concen: 20.639 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW007749.D
 Acq: 20 Dec 2018 16:15

Tgt Ion: 93 Resp: 7935
 Ion Ratio Lower Upper
 93 100
 95 83.9 67.5 101.3
 174 105.5 83.9 125.9





#47

Bromodichloromethane

Concen: 20.509 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW007749.D

Acq: 20 Dec 2018 16:15

Instrument :

MSVOA_W

ClientSampleId :

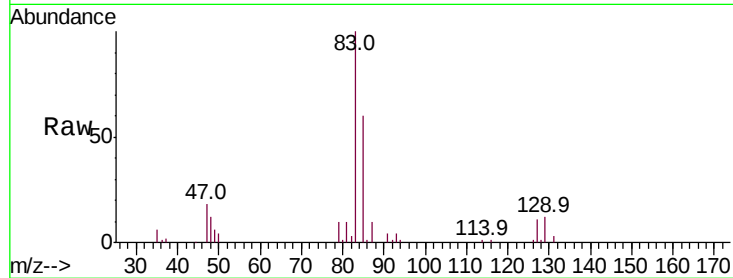
Tot Ion: 83 Resp: 20729

Ion Ratio Lower Upper

83 100

85 60.3 51.4 77.0

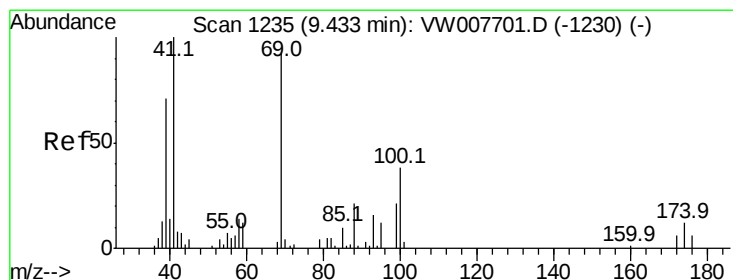
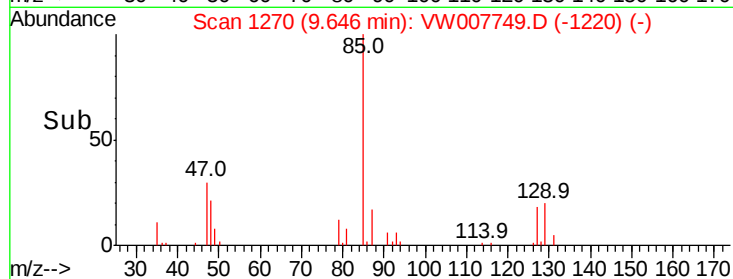
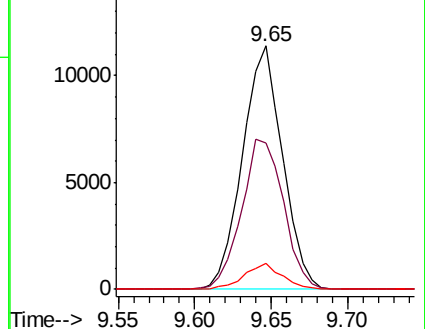
127 10.6 7.5 11.3



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 19.487 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.01 min

Lab File: VW007749.D

Acq: 20 Dec 2018 16:15

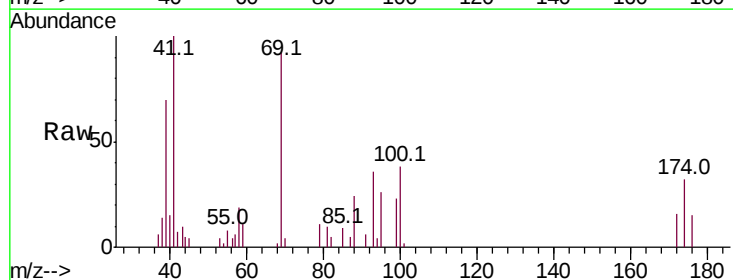
Tgt Ion: 41 Resp: 7094

Ion Ratio Lower Upper

41 100

69 97.3 74.2 111.2

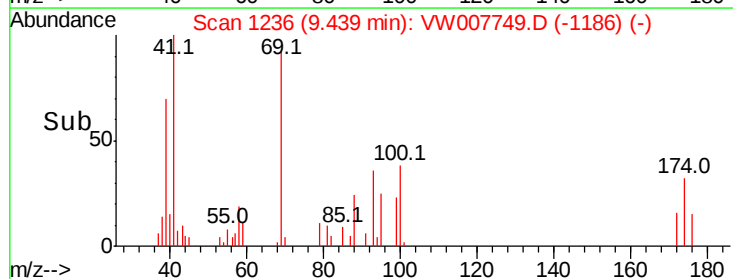
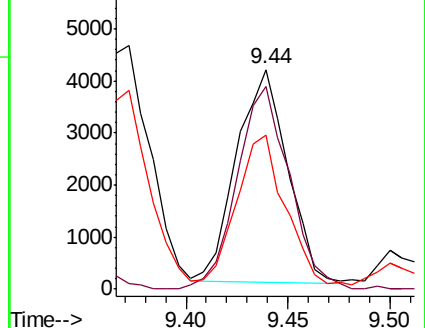
39 72.4 53.9 80.9

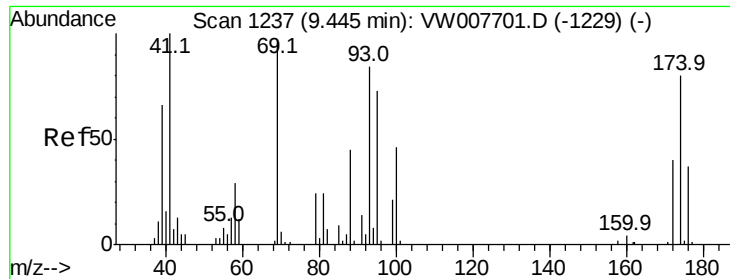


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 392.585 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VW007749.D

Acq: 20 Dec 2018 16:15

Instrument :

MSVOA_W

ClientSampleId :

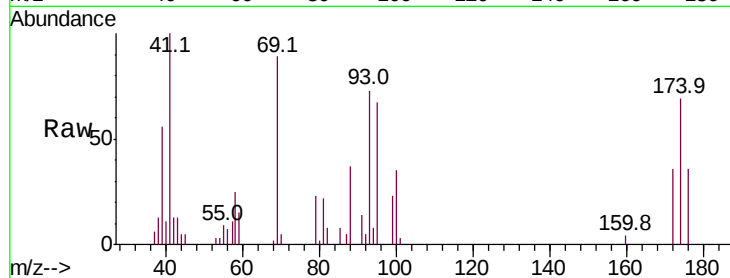
Tot Ion: 88 Resp: 2393

Ion Ratio Lower Upper

88 100

43 35.5 25.6 38.4

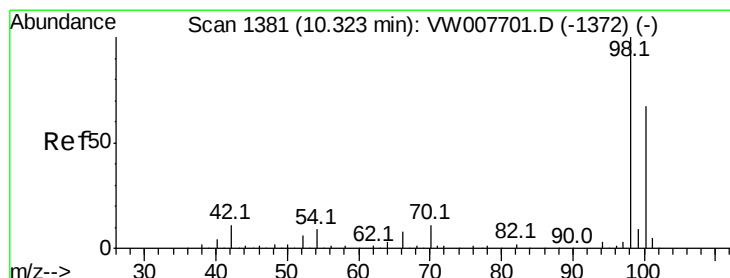
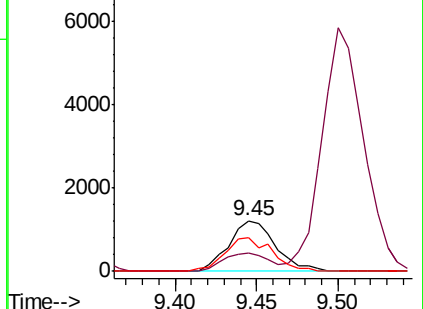
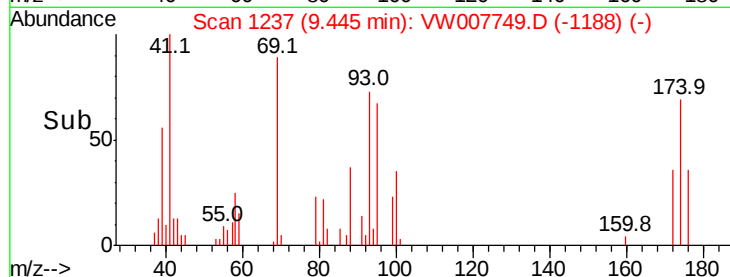
58 68.7 52.3 78.5



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: 51.993 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW007749.D

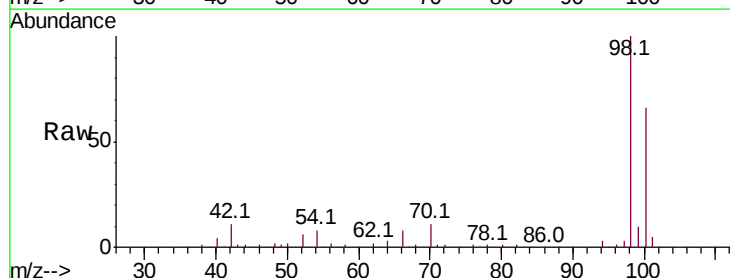
Acq: 20 Dec 2018 16:15

Tgt Ion: 98 Resp: 130678

Ion Ratio Lower Upper

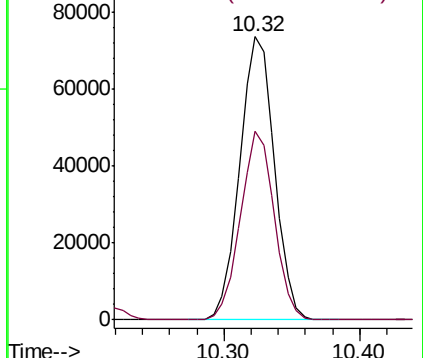
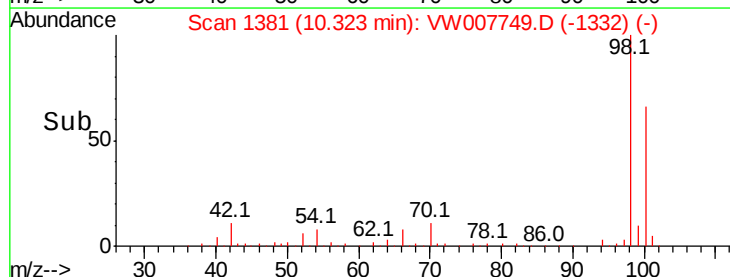
98 100

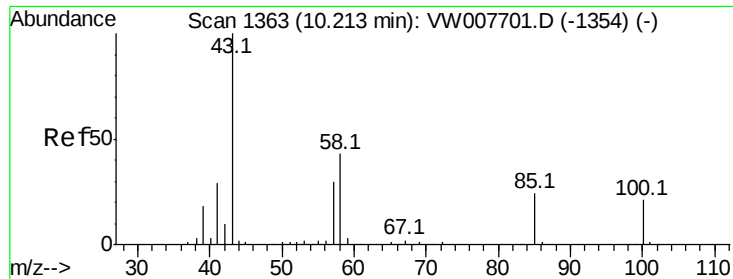
100 65.1 52.2 78.2



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: 101.650 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW007749.D

Acq: 20 Dec 2018 16:15

Instrument :

MSVOA_W

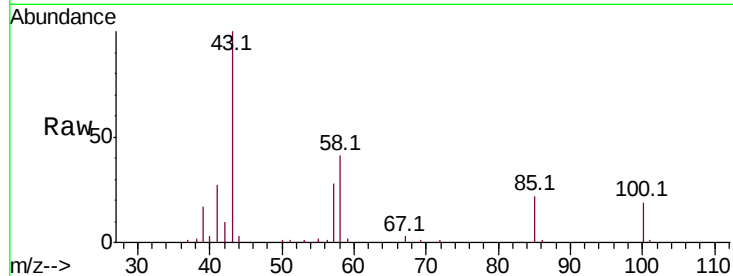
ClientSampleId :

Tot Ion: 43 Resp: 35036

Ion Ratio Lower Upper

43 100

58 40.9 33.2 49.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

20000

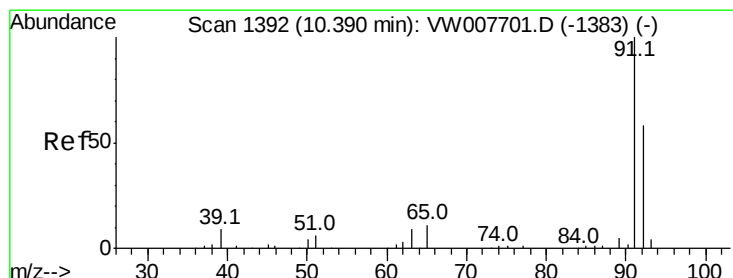
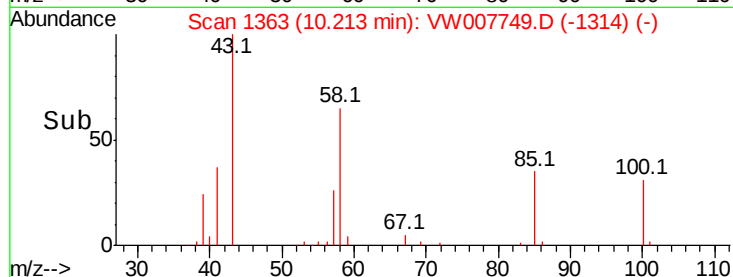
15000

10000

5000

0

Time--> 10.10 10.20 10.30



#52

Toluene

Concen: 21.253 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007749.D

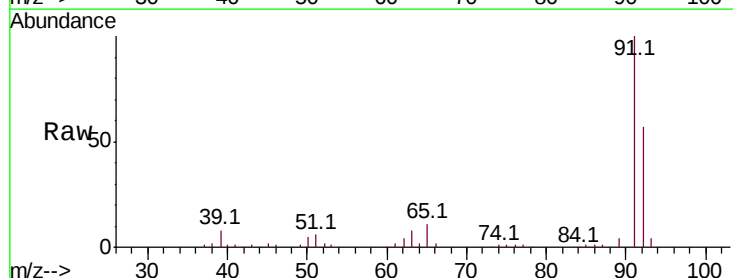
Acq: 20 Dec 2018 16:15

Tgt Ion: 92 Resp: 40137

Ion Ratio Lower Upper

92 100

91 174.0 137.0 205.4



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

10.39

40000

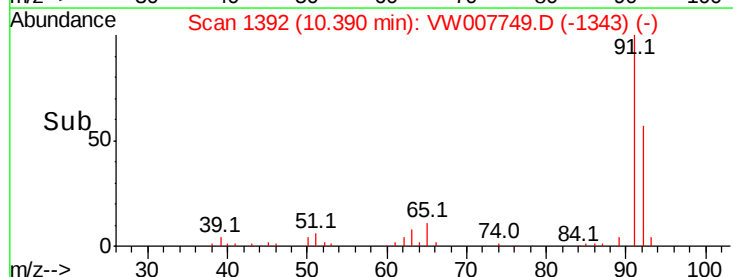
30000

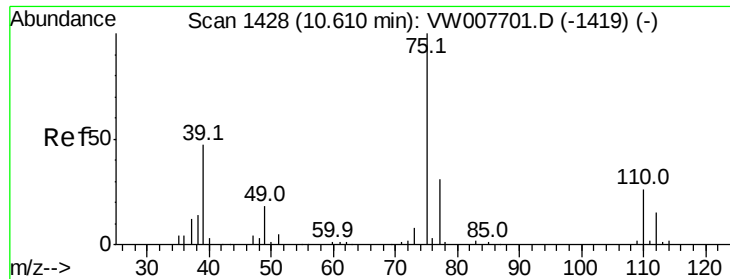
20000

10000

0

Time--> 10.30 10.40





#53

t-1,3-Dichloropropene

Concen: 20.666 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW007749.D

Acq: 20 Dec 2018 16:15

Instrument :

MSVOA_W

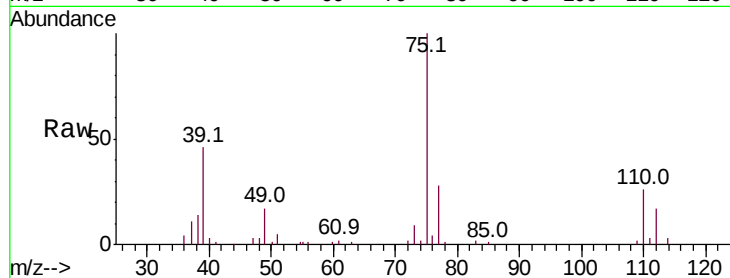
ClientSampled :

Tot Ion: 75 Resp: 20776

Ion Ratio Lower Upper

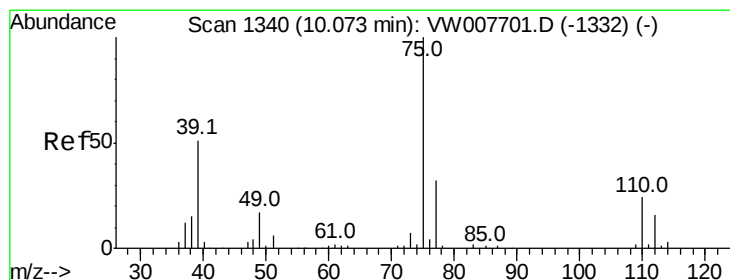
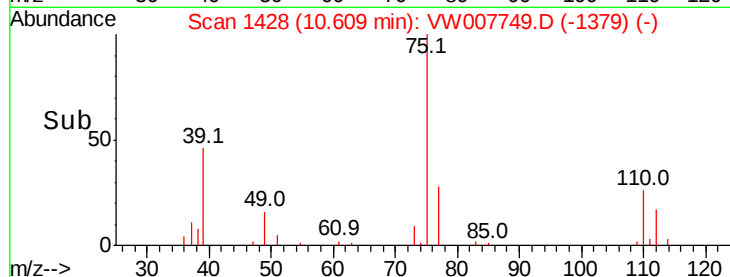
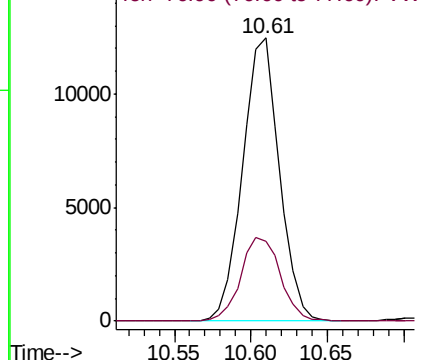
75 100

77 28.3 25.2 37.8



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 21.080 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW007749.D

Acq: 20 Dec 2018 16:15

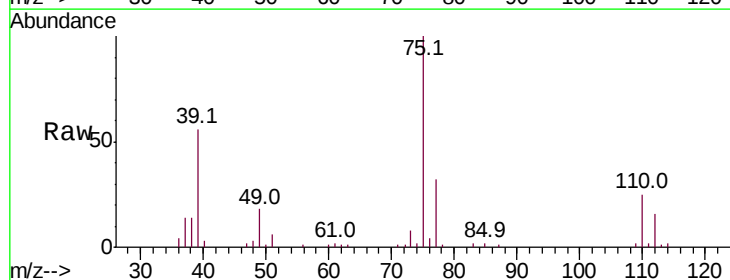
Tgt Ion: 75 Resp: 23409

Ion Ratio Lower Upper

75 100

77 32.2 25.5 38.3

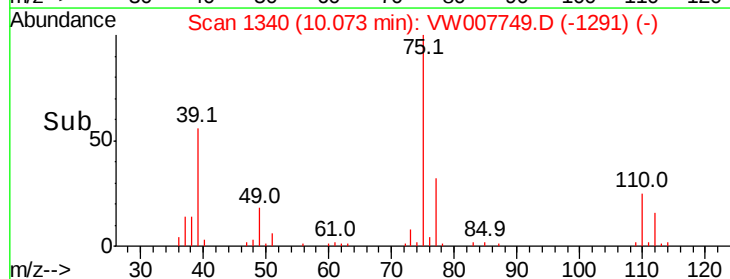
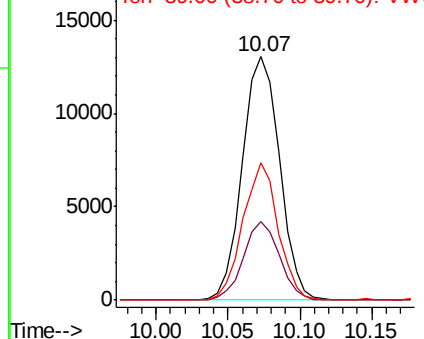
39 56.3 41.2 61.8

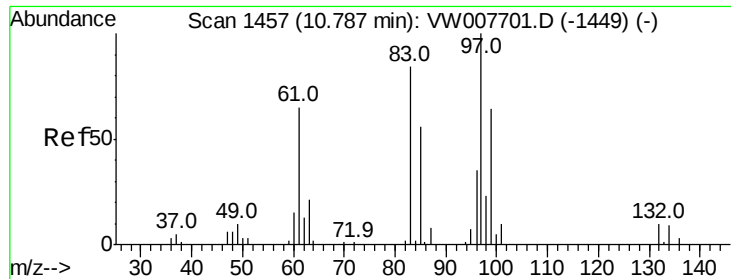


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

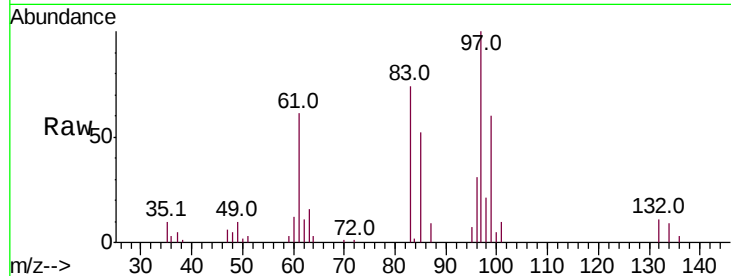




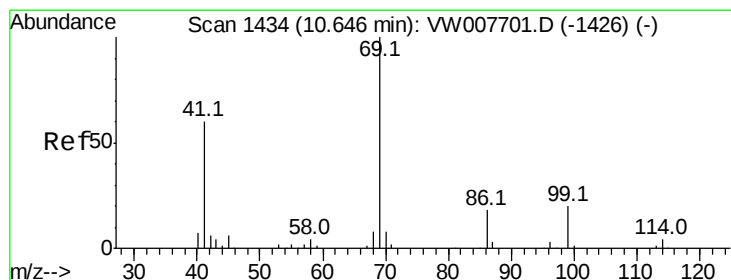
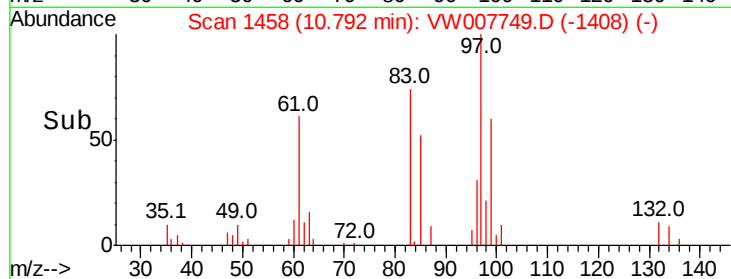
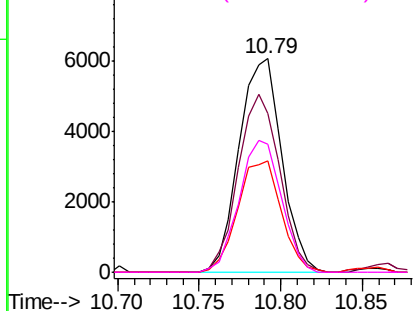
#55
 1,1,2-Trichloroethane
 Concen: 20.879 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.01 min
 Lab File: VW007749.D
 Acq: 20 Dec 2018 16:15

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion:	97	Resp:	11066
Ion	Ratio	Lower	Upper
97	100		
83	74.5	67.5	101.3
85	52.2	44.8	67.2
99	59.9	51.0	76.4

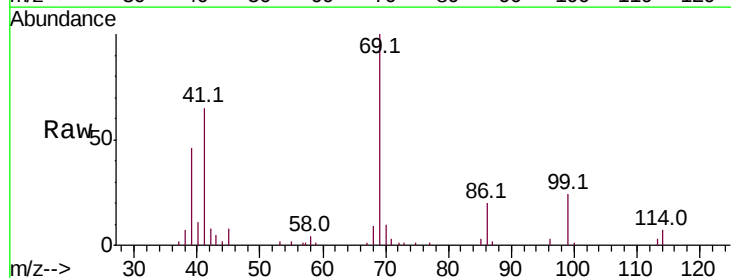


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

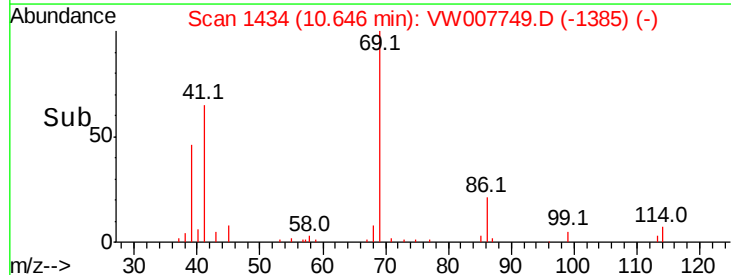
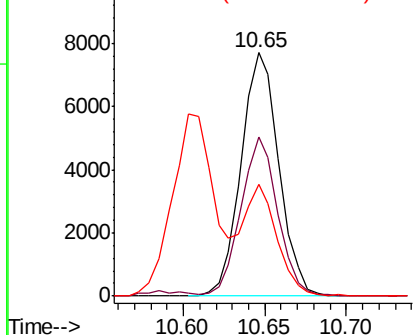


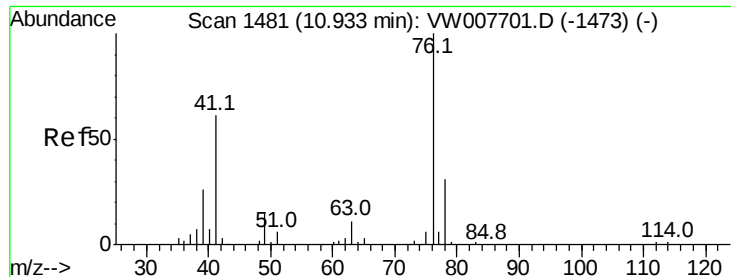
#56
 Ethyl methacrylate
 Concen: 19.805 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW007749.D
 Acq: 20 Dec 2018 16:15

Tgt Ion:	69	Resp:	12402
Ion	Ratio	Lower	Upper
69	100		
41	64.1	48.9	73.3
39	42.5	31.3	46.9



Abundance Ion 69.00 (68.70 to 69.70): VW
 Ion 41.00 (40.70 to 41.70): VW
 Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 21.039 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW007749.D

Acq: 20 Dec 2018 16:15

Instrument :

MSVOA_W

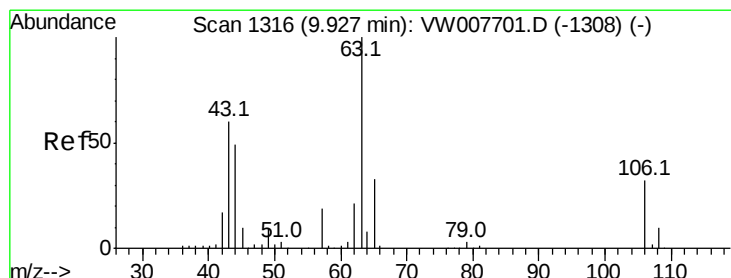
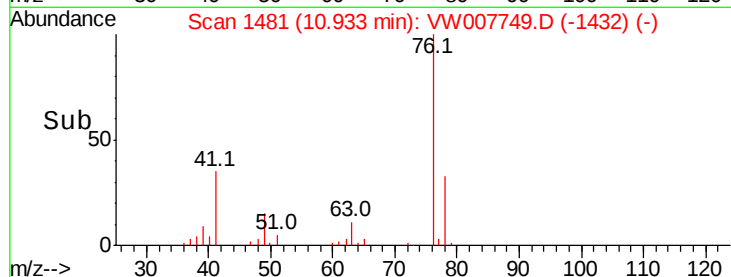
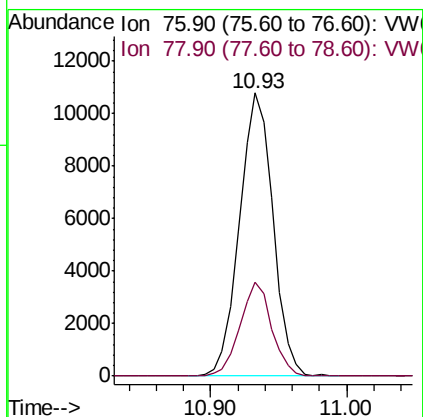
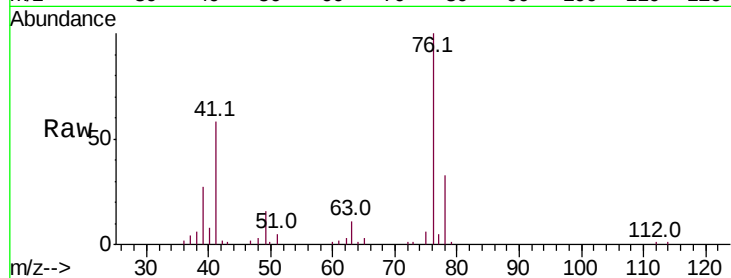
ClientSampled :

Tot Ion: 76 Resp: 18517

Ion Ratio Lower Upper

76 100

78 31.4 26.2 39.2



#58

2-Chloroethyl Vinyl ether

Concen: 103.734 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VW007749.D

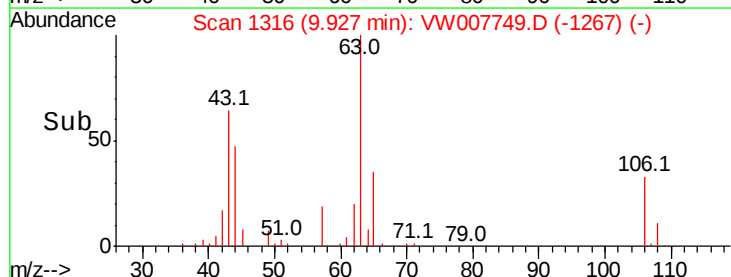
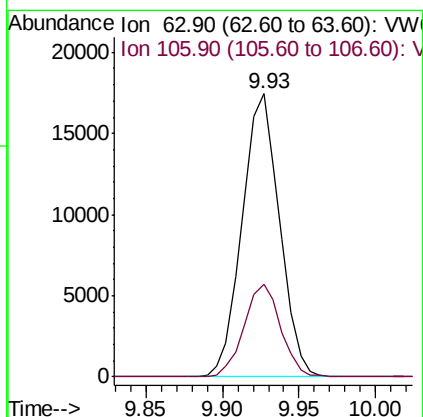
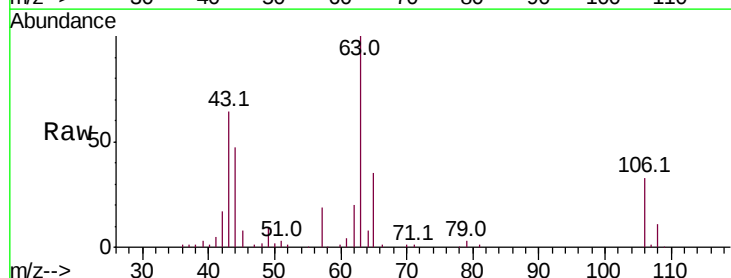
Acq: 20 Dec 2018 16:15

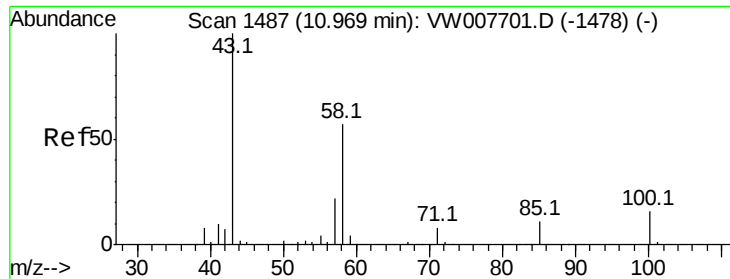
Tgt Ion: 63 Resp: 29659

Ion Ratio Lower Upper

63 100

106 32.0 25.9 38.9





#59

2-Hexanone

Concen: 101.503 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW007749.D

Acq: 20 Dec 2018 16:15

Instrument :

MSVOA_W

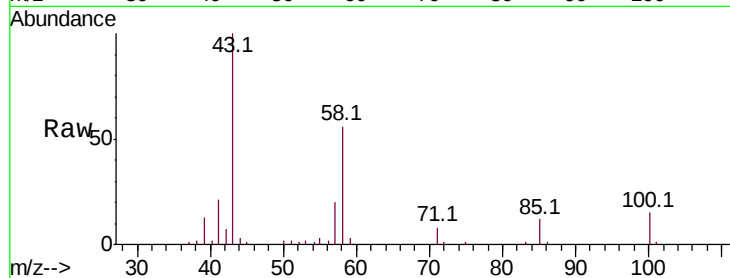
ClientSampleId :

Tot Ion: 43 Resp: 24604

Ion Ratio Lower Upper

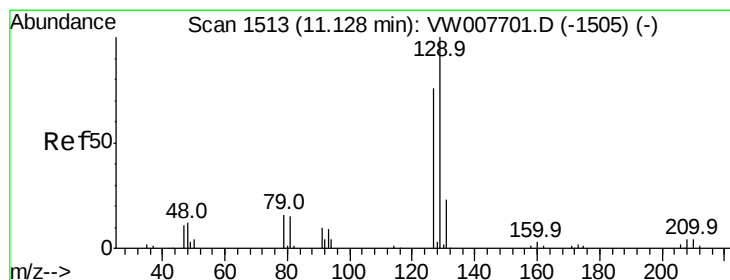
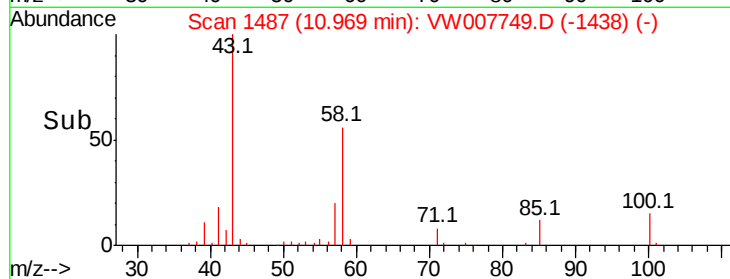
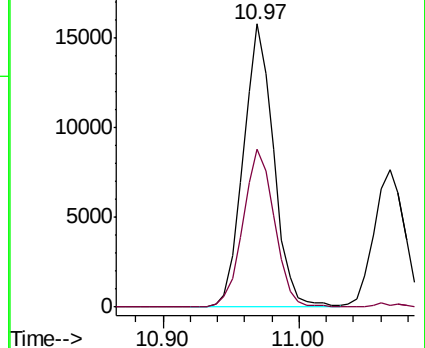
43 100

58 57.5 27.7 83.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#60

Dibromochloromethane

Concen: 20.455 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW007749.D

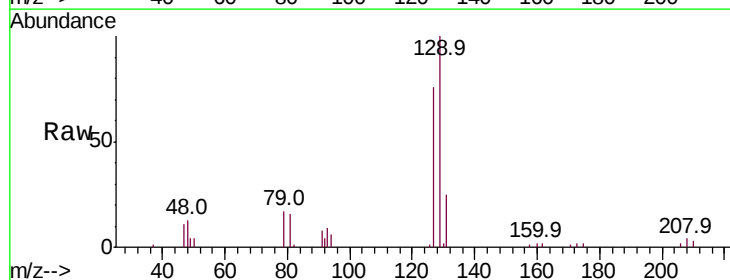
Acq: 20 Dec 2018 16:15

Tgt Ion:129 Resp: 14355

Ion Ratio Lower Upper

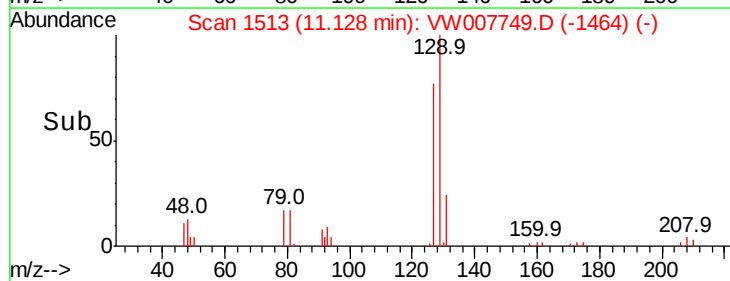
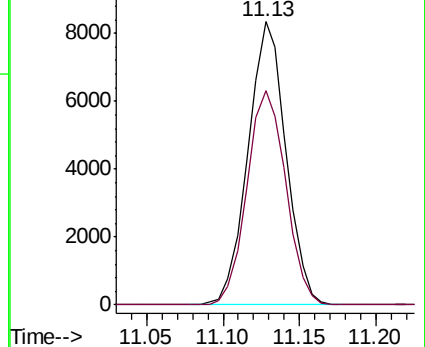
129 100

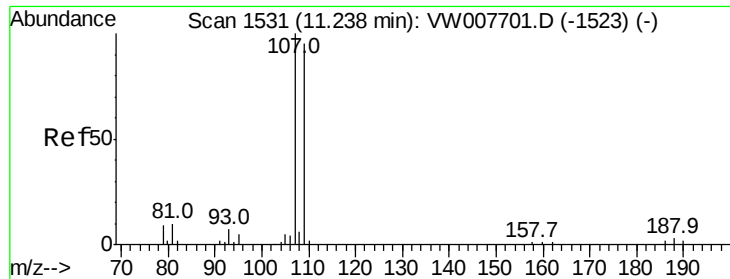
127 77.5 38.3 114.9



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 21.078 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW007749.D

Acq: 20 Dec 2018 16:15

Instrument :

MSVOA_W

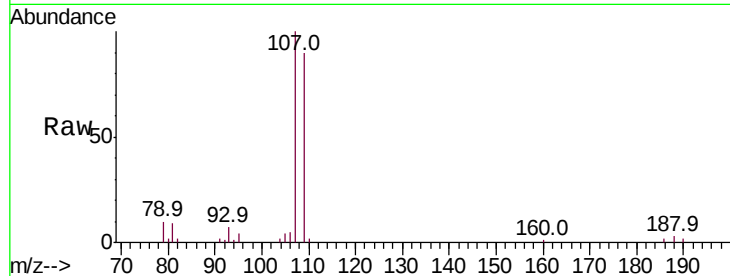
ClientSampleId :

Tot Ion:107 Resp: 11313

Ion Ratio Lower Upper

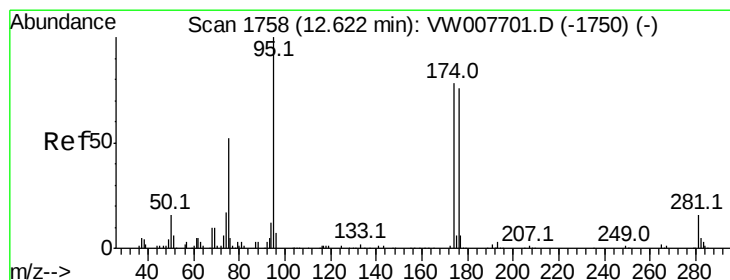
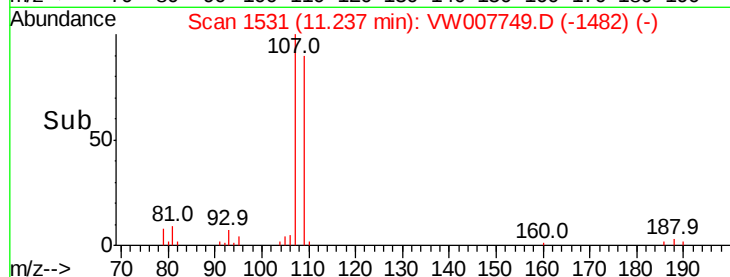
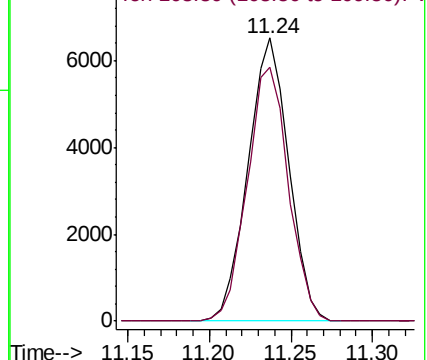
107 100

109 90.6 75.4 113.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.883 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007749.D

Acq: 20 Dec 2018 16:15

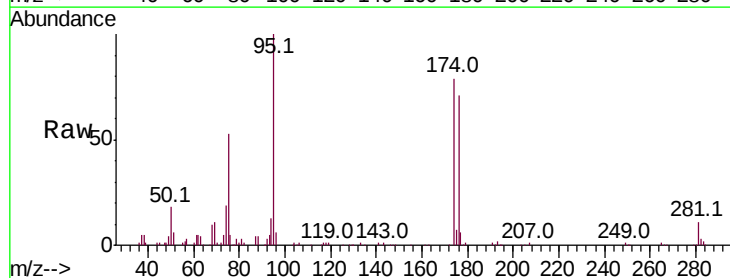
Tgt Ion: 95 Resp: 49406

Ion Ratio Lower Upper

95 100

174 78.2 0.0 152.2

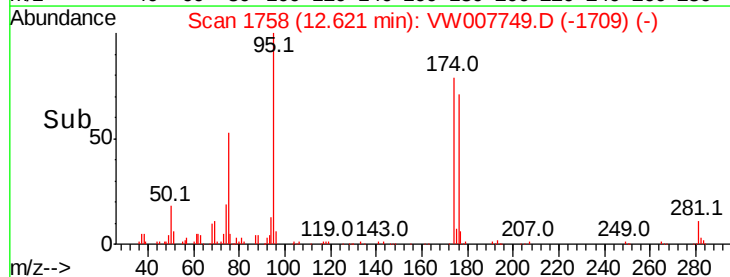
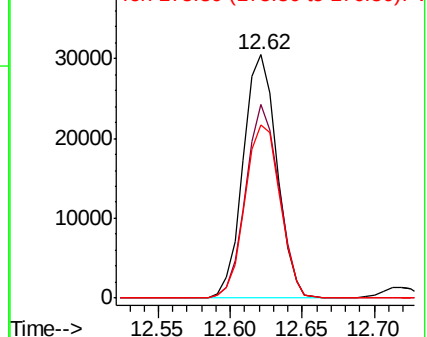
176 73.9 0.0 146.8

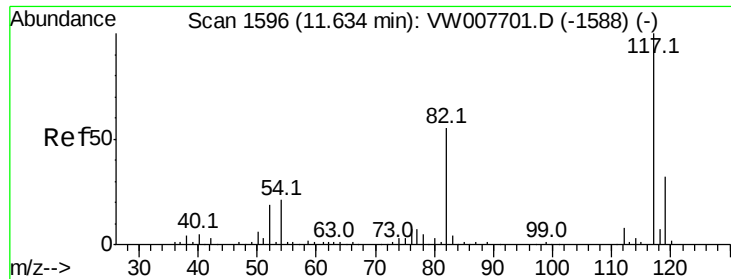


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

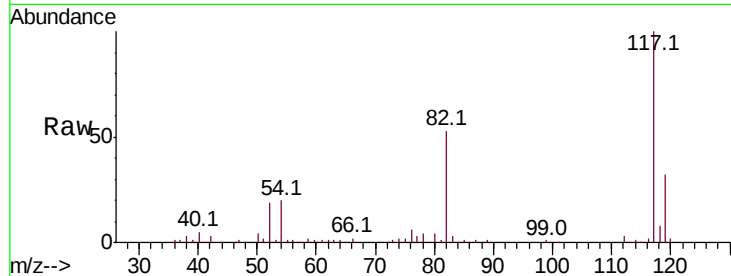




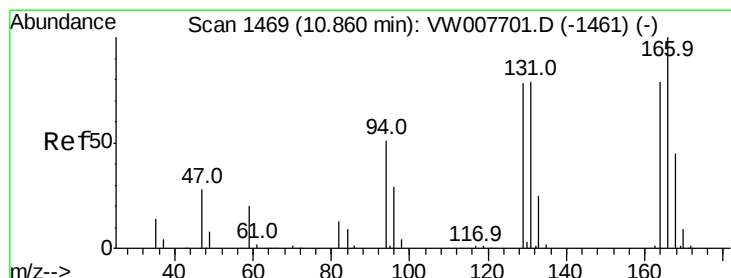
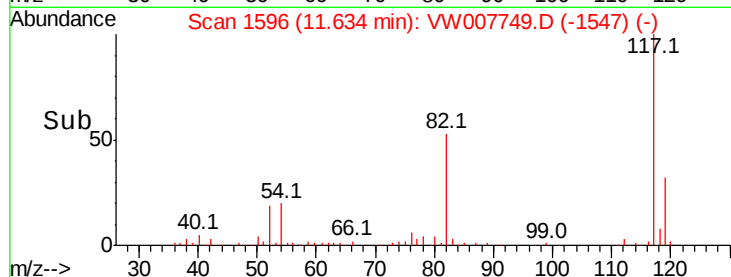
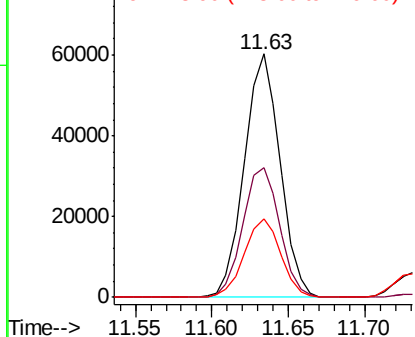
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007749.D
Acq: 20 Dec 2018 16:15

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 97997
Ion Ratio Lower Upper
117 100
82 53.1 44.3 66.5
119 32.2 25.7 38.5

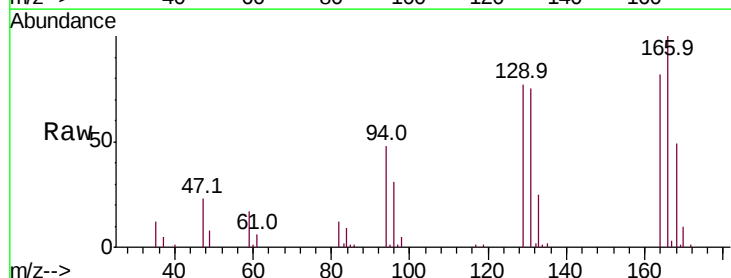


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

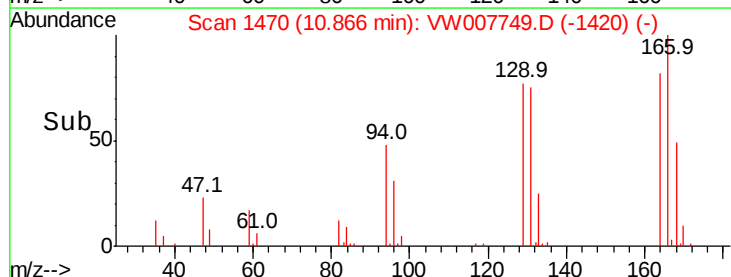
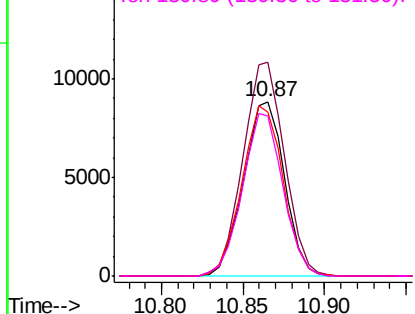


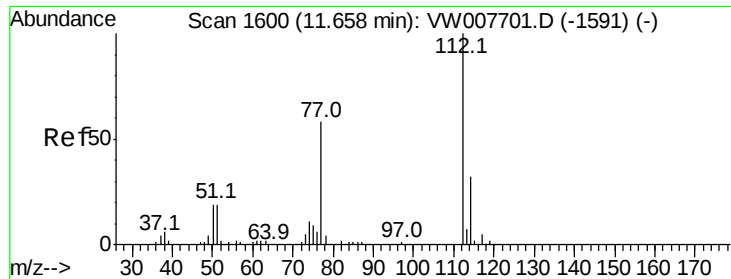
#64
Tetrachloroethene
Concen: 22.224 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW007749.D
Acq: 20 Dec 2018 16:15

Tgt Ion:164 Resp: 15422
Ion Ratio Lower Upper
164 100
166 122.4 101.0 151.6
129 93.9 78.7 118.1
131 91.4 79.4 119.0



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

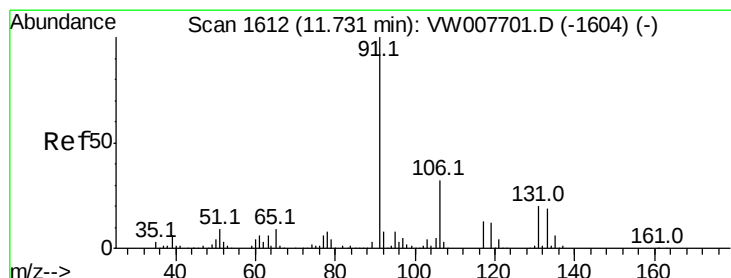
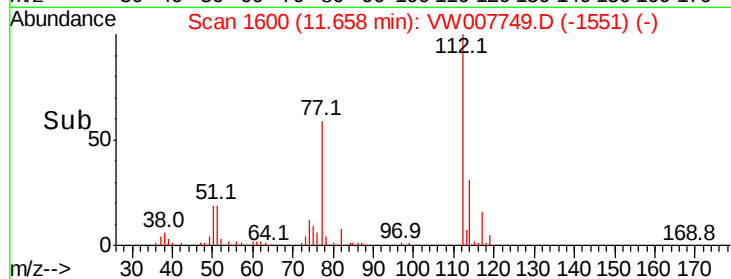
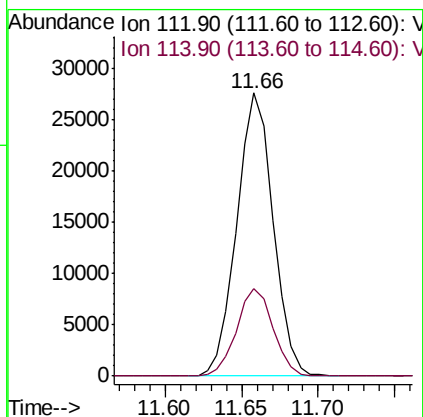
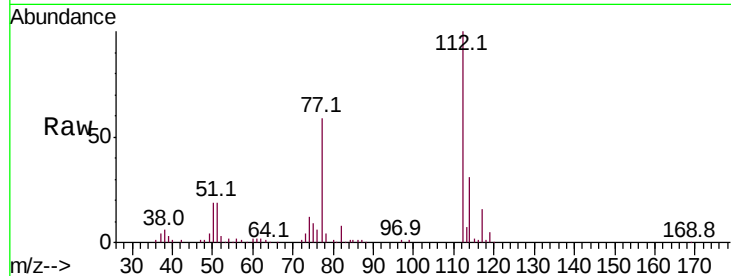




#65
Chlorobenzene
Concen: 21.504 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007749.D
Acq: 20 Dec 2018 16:15

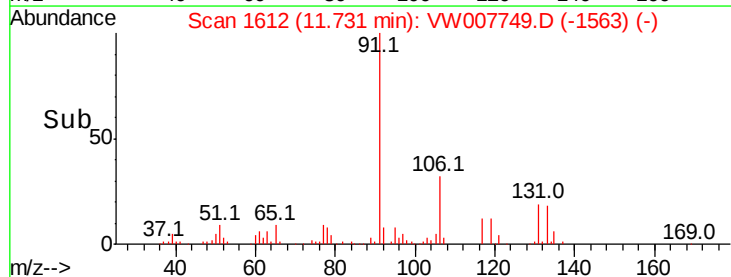
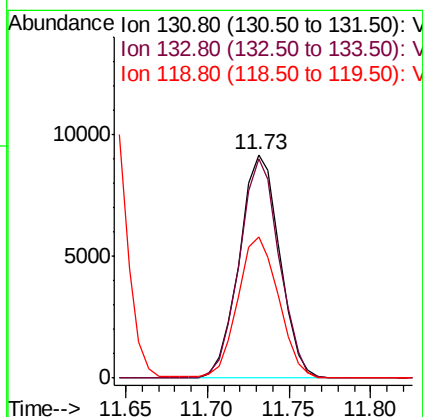
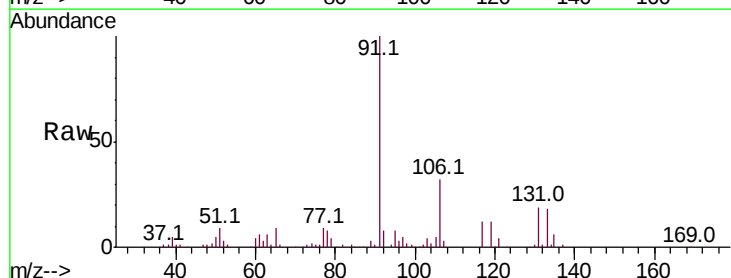
Instrument :
MSVOA_W
ClientSampled :

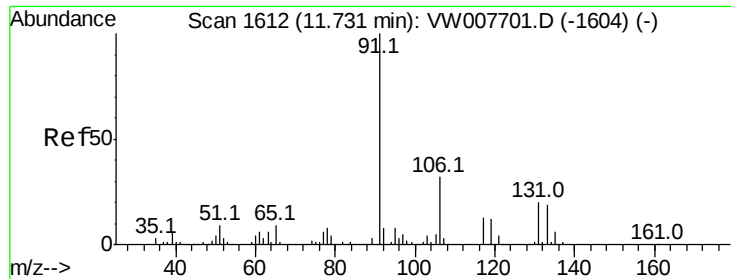
Tot Ion:112 Resp: 45612
Ion Ratio Lower Upper
112 100
114 31.1 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 20.908 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007749.D
Acq: 20 Dec 2018 16:15

Tgt Ion:131 Resp: 15846
Ion Ratio Lower Upper
131 100
133 97.4 47.5 142.5
119 64.4 30.2 90.6

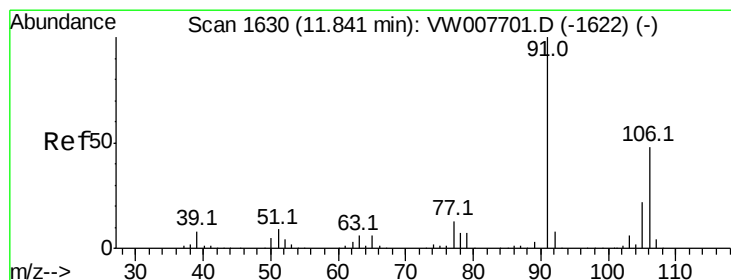
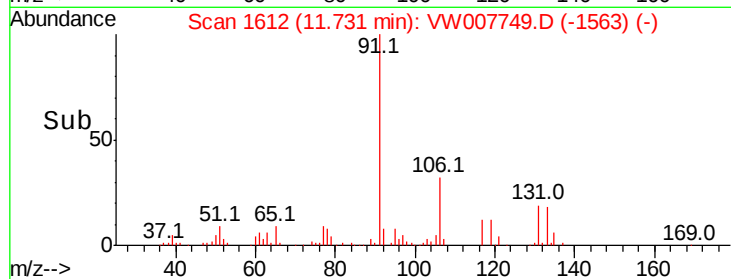
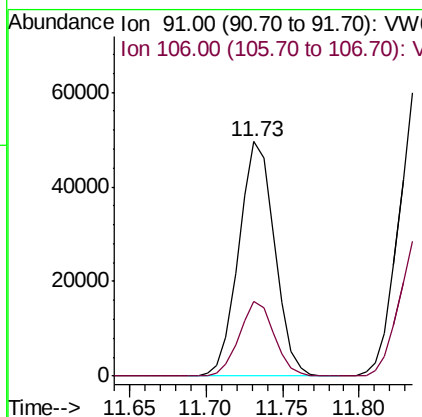
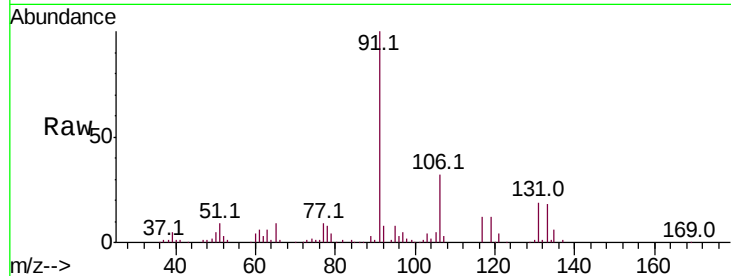




#67
Ethyl Benzene
Concen: 22.140 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007749.D
Acq: 20 Dec 2018 16:15

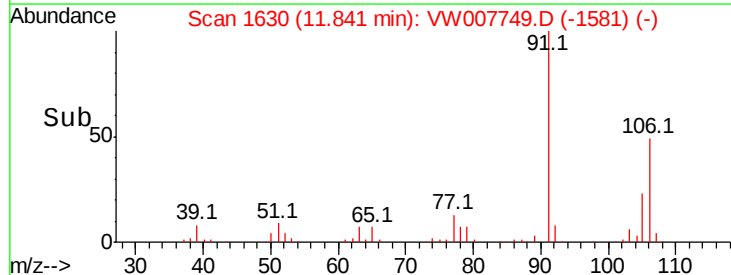
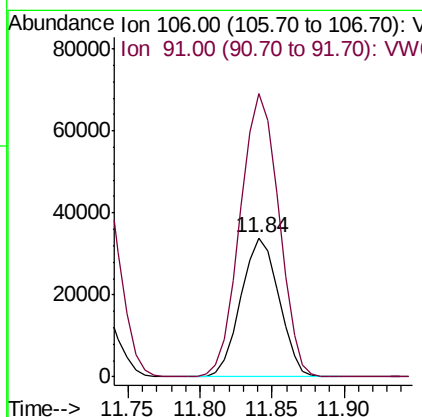
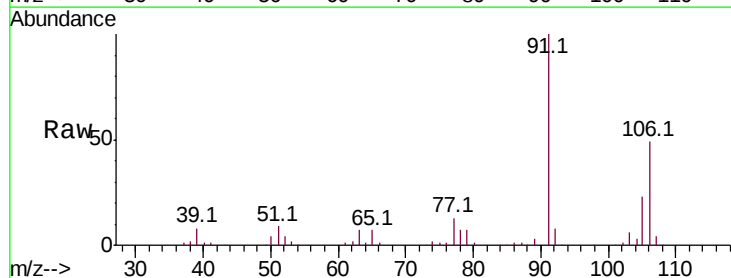
Instrument :
MSVOA_W
ClientSampleId :

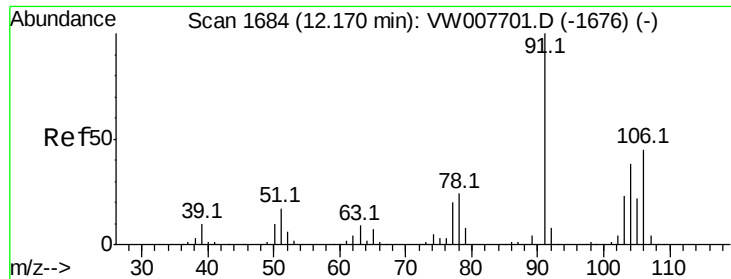
Tot Ion: 91 Resp: 80584
Ion Ratio Lower Upper
91 100
106 31.9 25.8 38.8



#68
m/p-Xylenes
Concen: 44.153 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007749.D
Acq: 20 Dec 2018 16:15

Tgt Ion:106 Resp: 62340
Ion Ratio Lower Upper
106 100
91 207.1 165.2 247.8

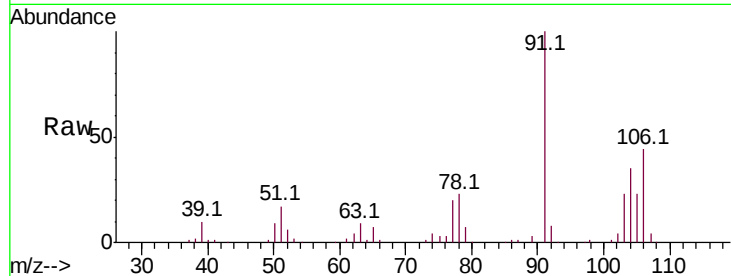




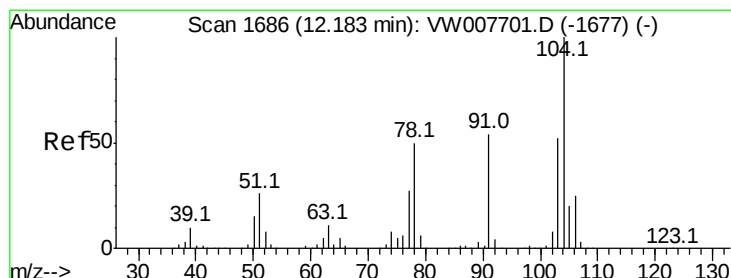
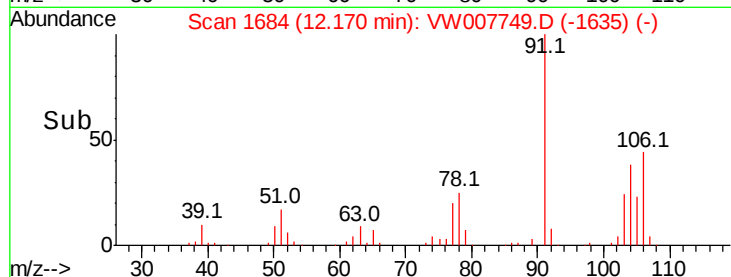
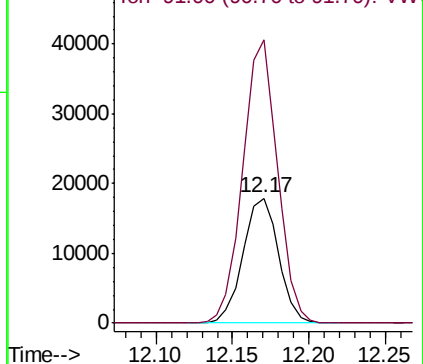
#69
o-Xylene
Concen: 21.833 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007749.D
Acq: 20 Dec 2018 16:15

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:106 Resp: 28896
Ion Ratio Lower Upper
106 100
91 221.3 110.5 331.4

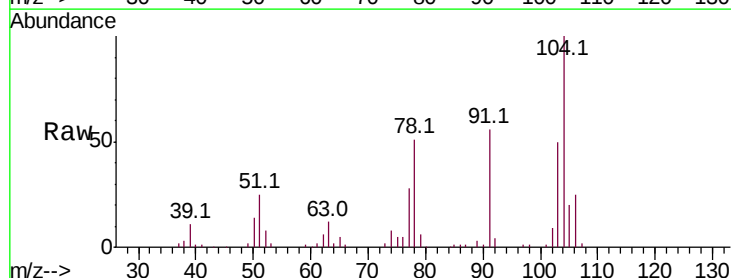


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

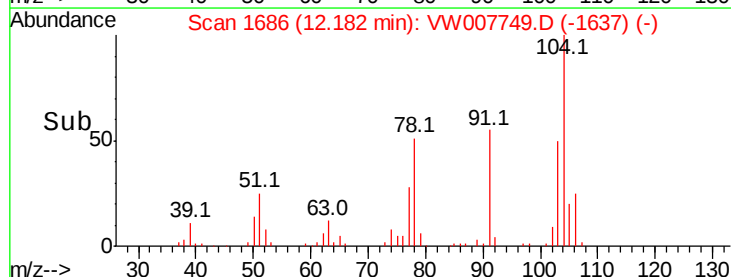
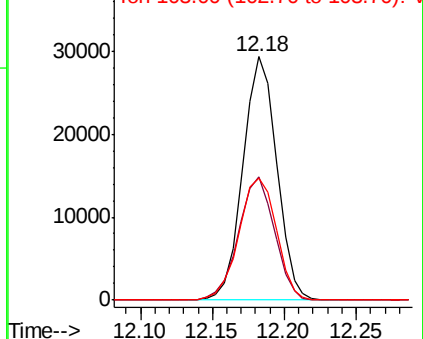


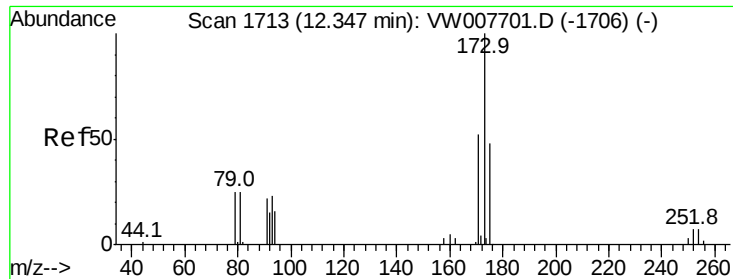
#70
Styrene
Concen: 21.918 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007749.D
Acq: 20 Dec 2018 16:15

Tgt Ion:104 Resp: 47683
Ion Ratio Lower Upper
104 100
78 54.1 43.4 65.0
103 55.8 44.5 66.7



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 21.160 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW007749.D

Acq: 20 Dec 2018 16:15

Instrument :

MSVOA_W

ClientSampleId :

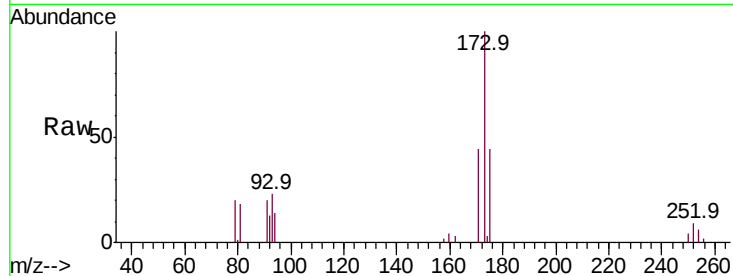
Tot Ion:173 Resp: 8325

Ion Ratio Lower Upper

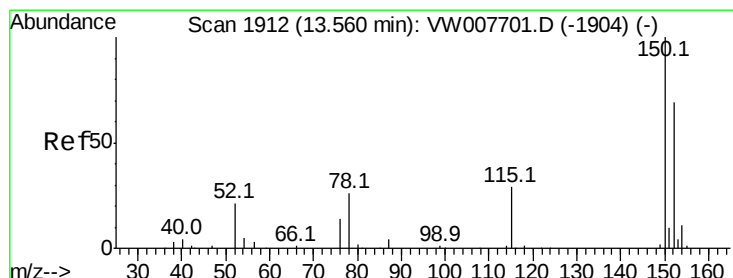
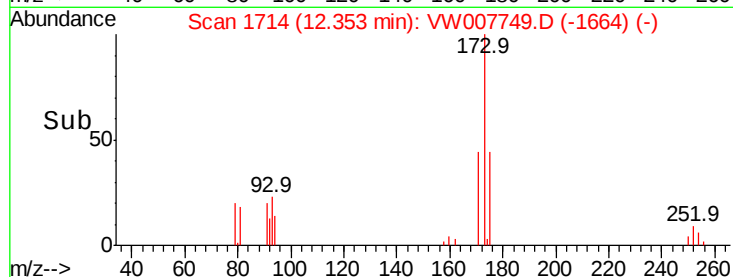
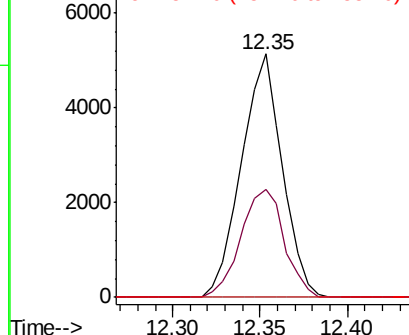
173 100

175 47.2 23.9 71.7

254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW007749.D

Acq: 20 Dec 2018 16:15

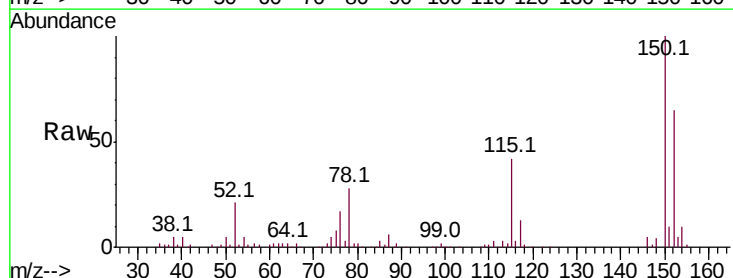
Tgt Ion:152 Resp: 51371

Ion Ratio Lower Upper

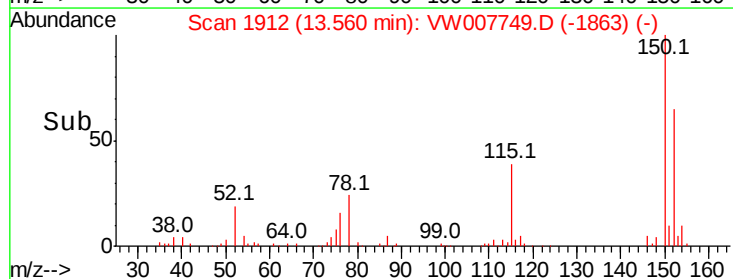
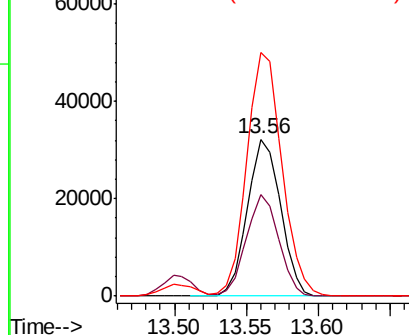
152 100

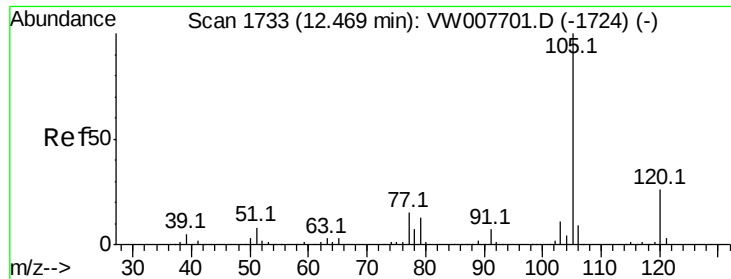
115 63.3 31.8 95.4

150 164.2 0.0 350.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.540 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW007749.D

Acq: 20 Dec 2018 16:15

Instrument :

MSVOA_W

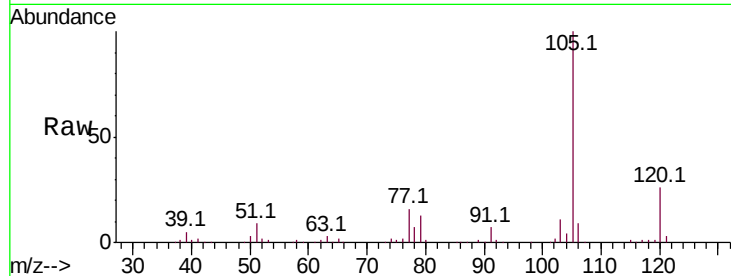
ClientSampleId :

Tot Ion:105 Resp: 83642

Ion Ratio Lower Upper

105 100

120 26.0 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.47

60000

50000

40000

30000

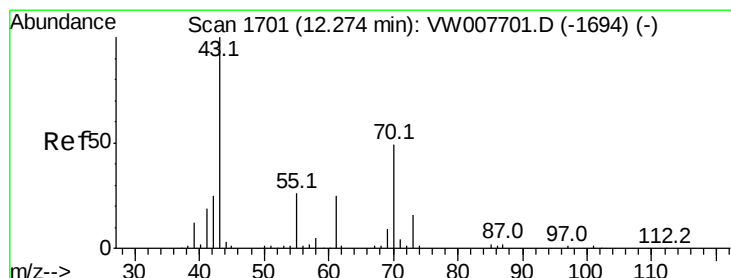
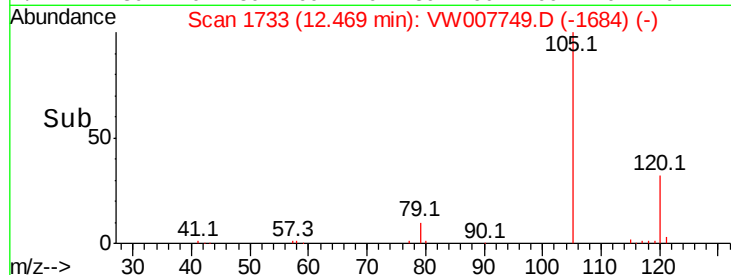
20000

10000

0

Time-->

12.40 12.45 12.50



#74

N-ethyl acetate

Concen: 19.691 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW007749.D

Acq: 20 Dec 2018 16:15

Tgt Ion: 43 Resp: 13244

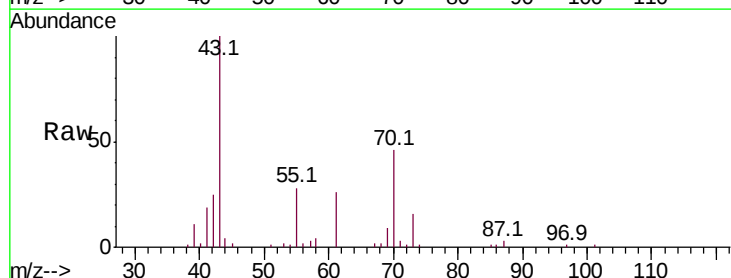
Ion Ratio Lower Upper

43 100

70 48.1 37.6 56.4

55 26.3 21.7 32.5

61 24.3 20.1 30.1



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

12.27

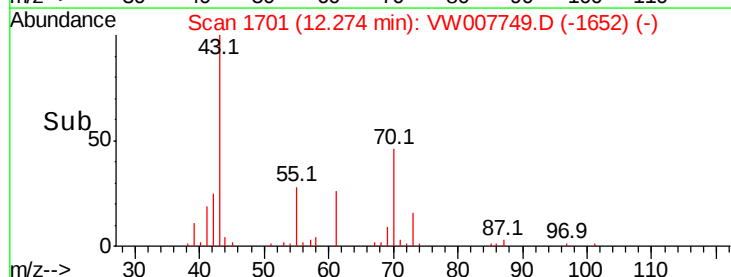
10000

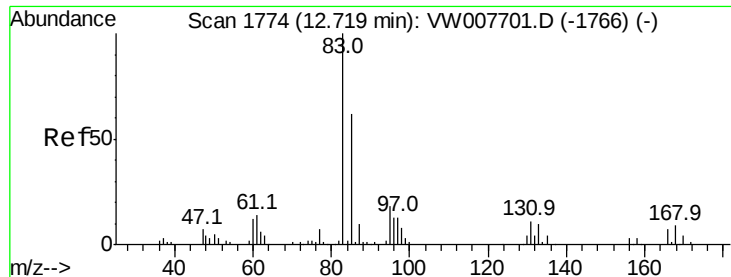
5000

0

Time-->

12.20 12.25 12.30 12.35





#75

1,1,2,2-Tetrachloroethane

Concen: 19.917 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW007749.D

Acq: 20 Dec 2018 16:15

Instrument :

MSVOA_W

ClientSampleId :

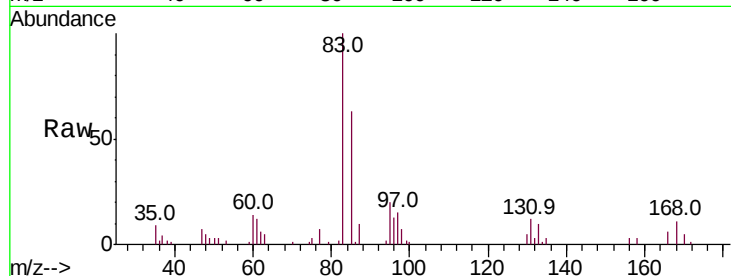
Tot Ion: 83 Resp: 11596

Ion Ratio Lower Upper

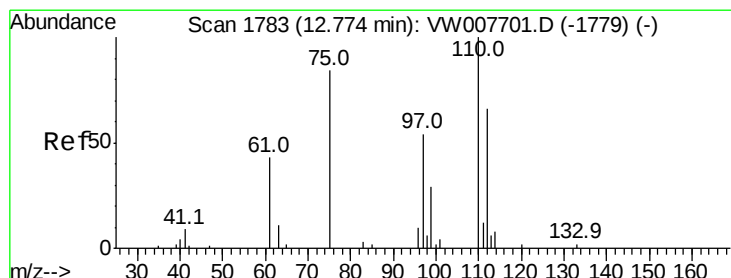
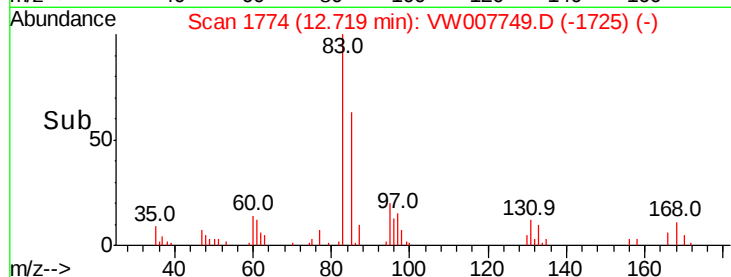
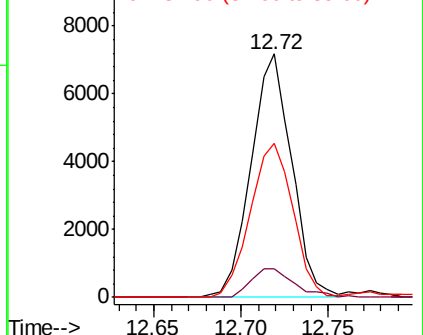
83 100

131 12.5 6.3 18.8

85 66.4 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 42.974 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.01 min

Lab File: VW007749.D

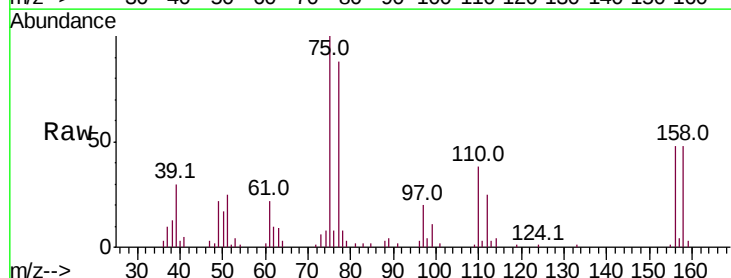
Acq: 20 Dec 2018 16:15

Tgt Ion: 75 Resp: 17063

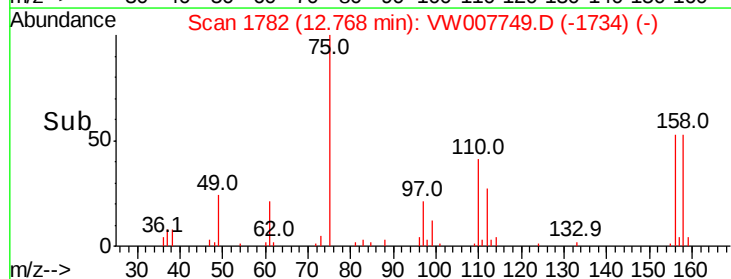
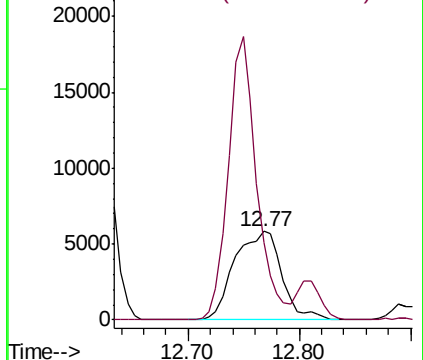
Ion Ratio Lower Upper

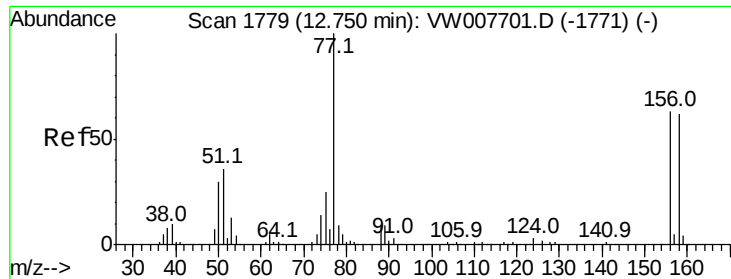
75 100

77 193.8 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: 20.866 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW007749.D

Acq: 20 Dec 2018 16:15

Instrument :

MSVOA_W

ClientSampleId :

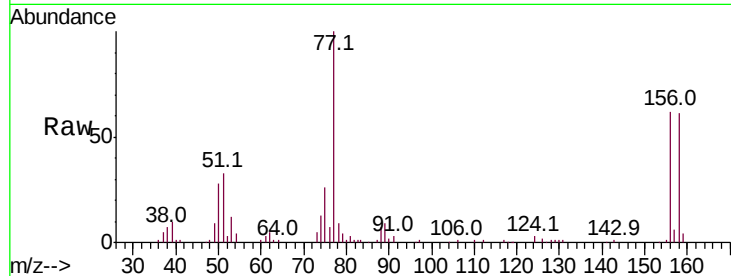
Tot Ion:156 Resp: 18569

Ion Ratio Lower Upper

156 100

77 178.0 87.4 262.1

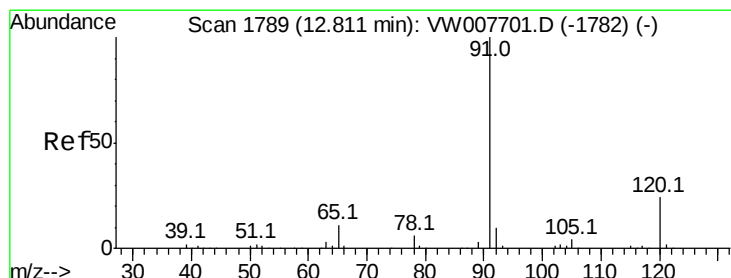
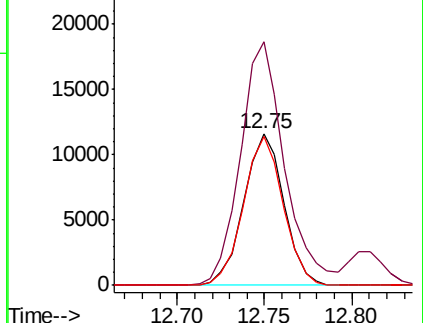
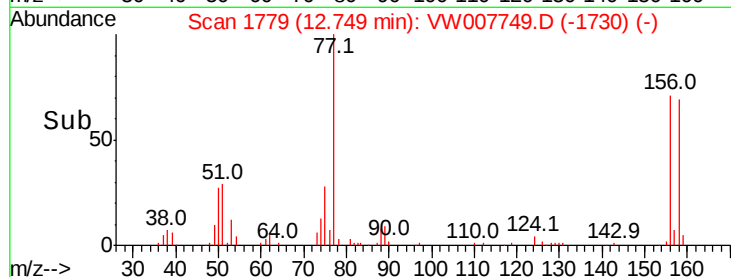
158 97.4 48.4 145.0



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: 21.616 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW007749.D

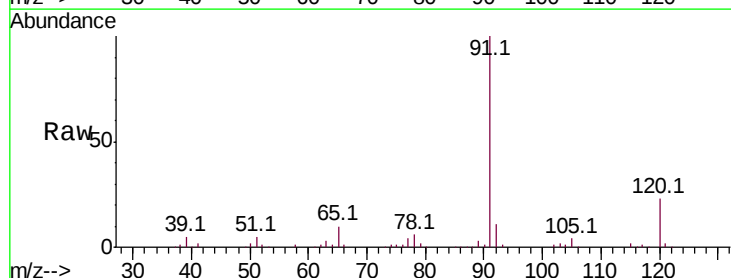
Acq: 20 Dec 2018 16:15

Tgt Ion: 91 Resp: 97707

Ion Ratio Lower Upper

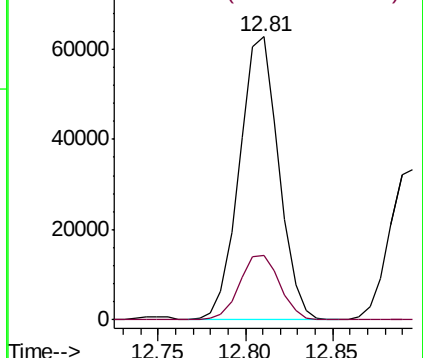
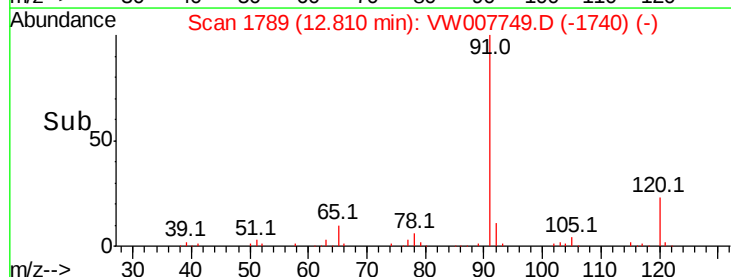
91 100

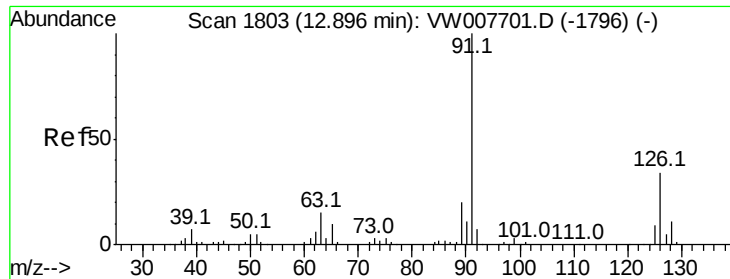
120 23.3 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

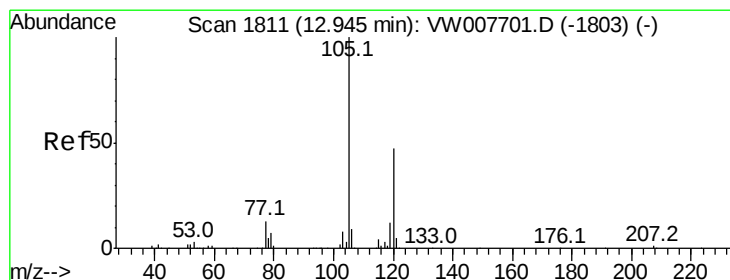
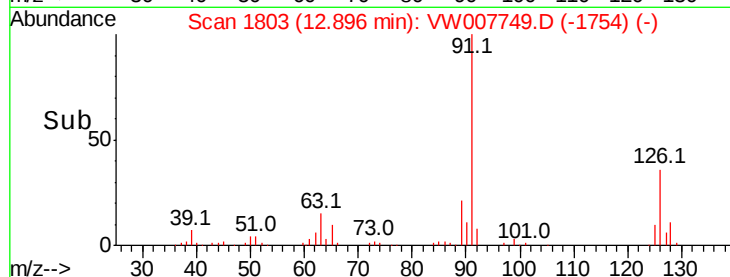
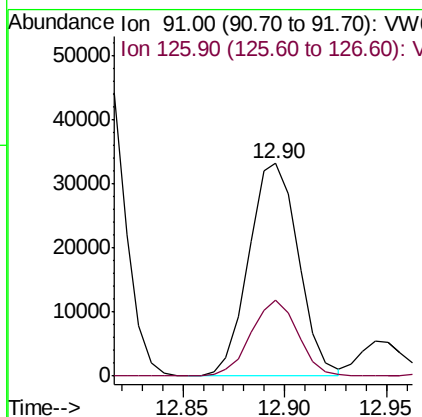
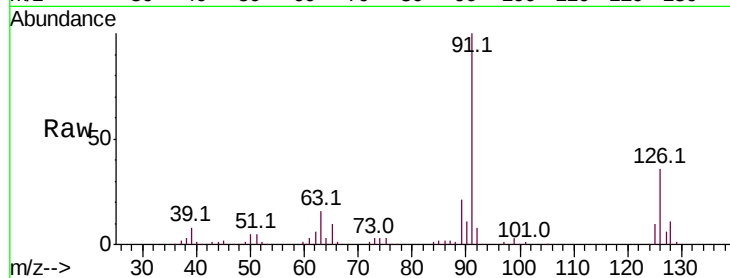




#79
2-Chlorotoluene
Concen: 21.360 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VW007749.D
Acq: 20 Dec 2018 16:15

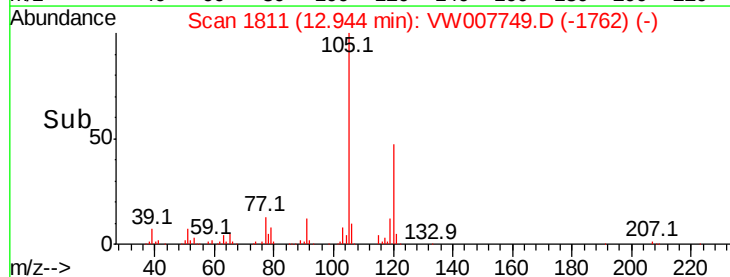
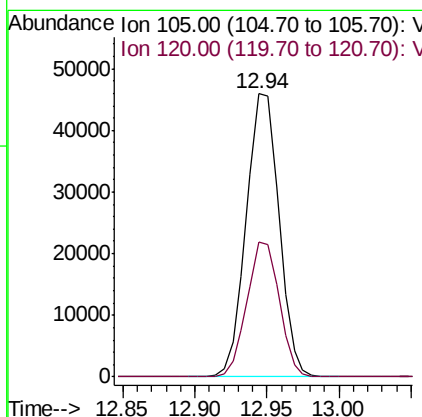
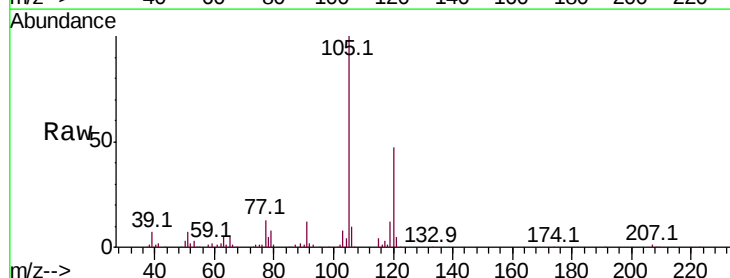
Instrument :
MSVOA_W
ClientSampleId :

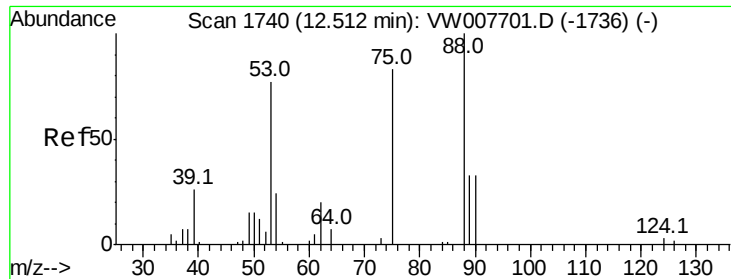
Tot Ion: 91 Resp: 56245
Ion Ratio Lower Upper
91 100
126 33.6 17.0 51.0



#80
1,3,5-Trimethylbenzene
Concen: 21.650 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW007749.D
Acq: 20 Dec 2018 16:15

Tgt Ion:105 Resp: 72515
Ion Ratio Lower Upper
105 100
120 47.1 23.6 70.8

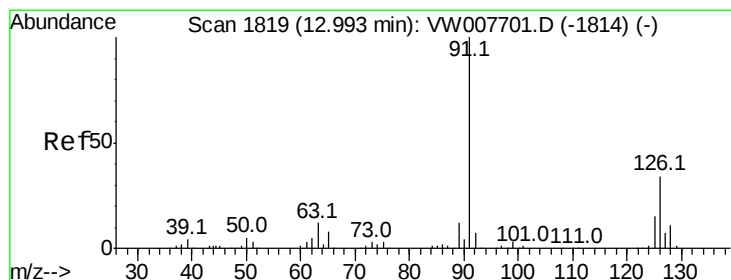
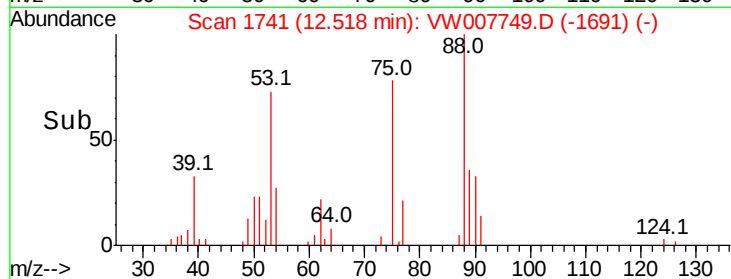
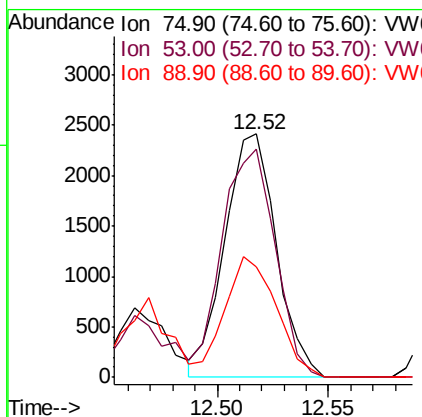
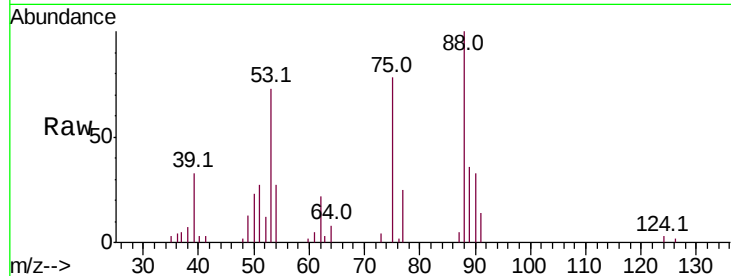




#81
trans-1,4-Dichloro-2-butene
Concen: 20.576 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.01 min
Lab File: VW007749.D
Acq: 20 Dec 2018 16:15

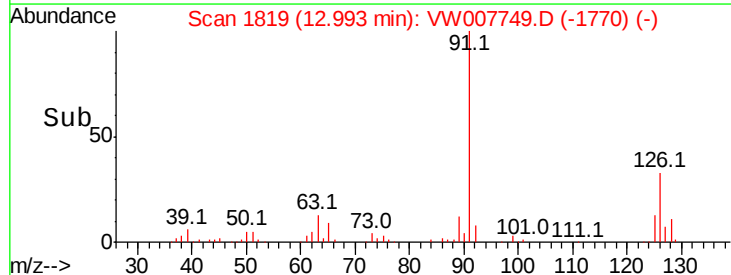
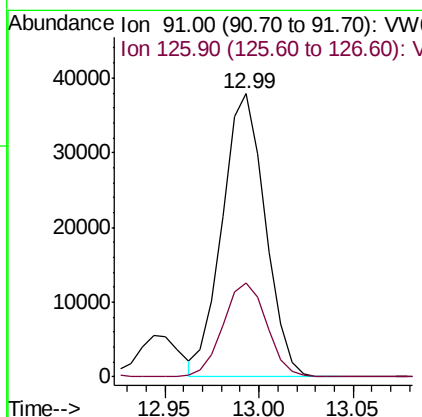
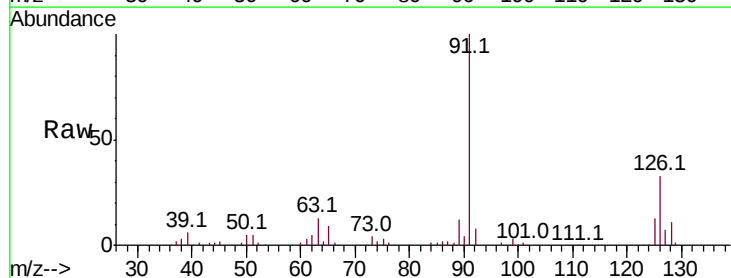
Instrument :
MSVOA_W
ClientSampleId :

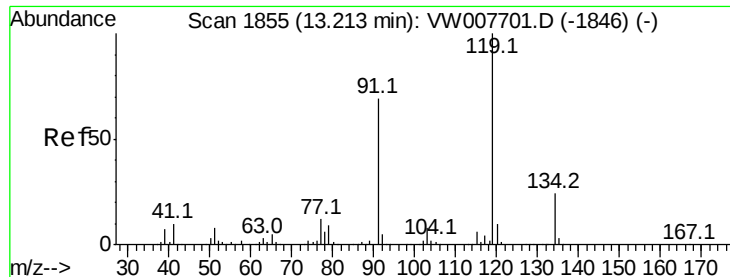
Tot Ion: 75 Resp: 3892
Ion Ratio Lower Upper
75 100
53 96.4 80.2 120.2
89 50.2 39.2 58.8



#82
4-Chlorotoluene
Concen: 21.434 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW007749.D
Acq: 20 Dec 2018 16:15

Tgt Ion: 91 Resp: 60095
Ion Ratio Lower Upper
91 100
126 33.6 16.5 49.5

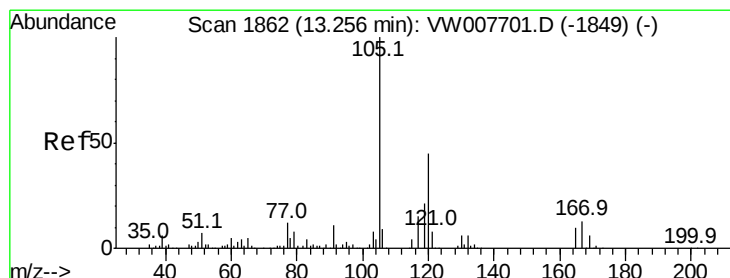
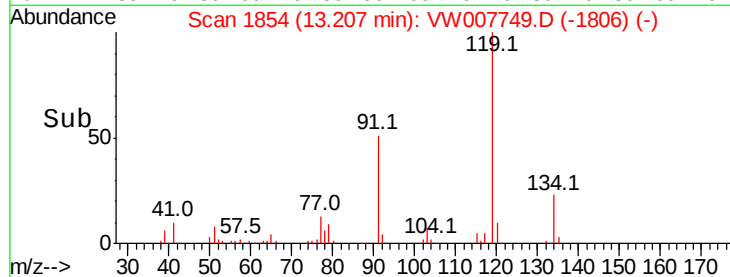
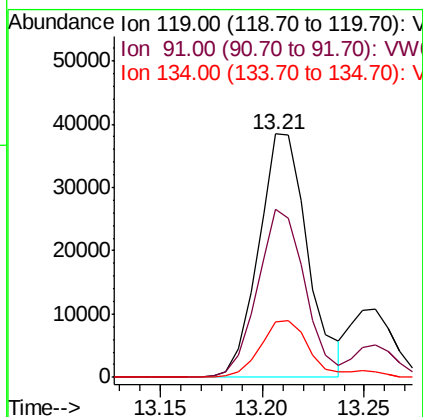
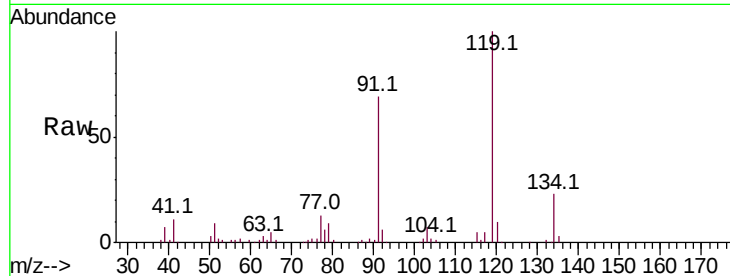




#83
tert-Butylbenzene
Concen: 21.850 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.01 min
Lab File: VW007749.D
Acq: 20 Dec 2018 16:15

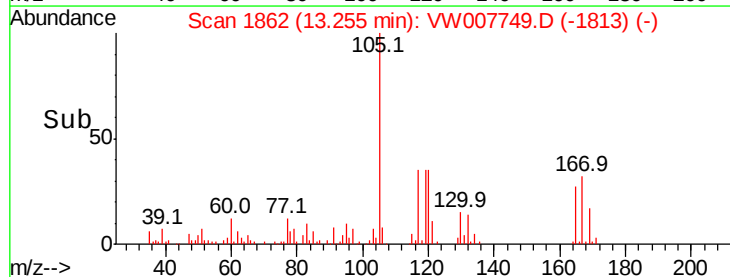
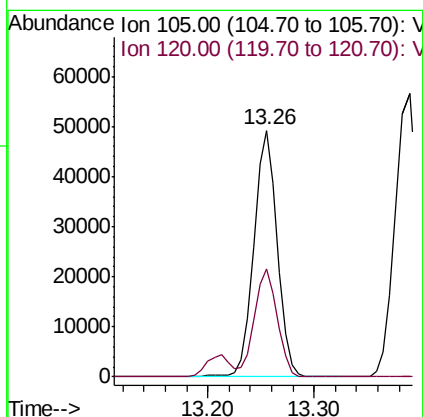
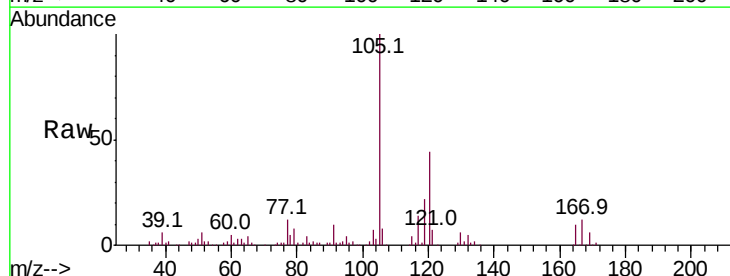
Instrument :
MSVOA_W
ClientSampled :

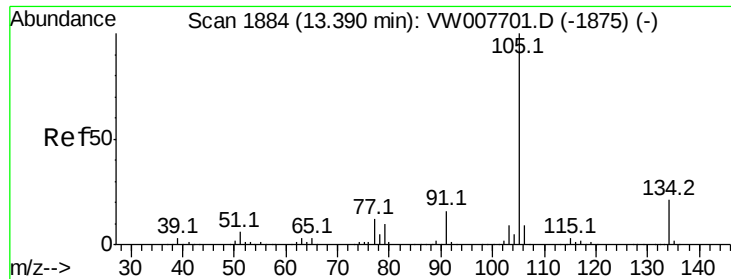
Tot Ion:119 Resp: 64213
Ion Ratio Lower Upper
119 100
91 66.7 34.2 102.5
134 23.4 12.8 38.4



#84
1,2,4-Trimethylbenzene
Concen: 22.363 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW007749.D
Acq: 20 Dec 2018 16:15

Tgt Ion:105 Resp: 75581
Ion Ratio Lower Upper
105 100
120 43.2 22.0 66.0

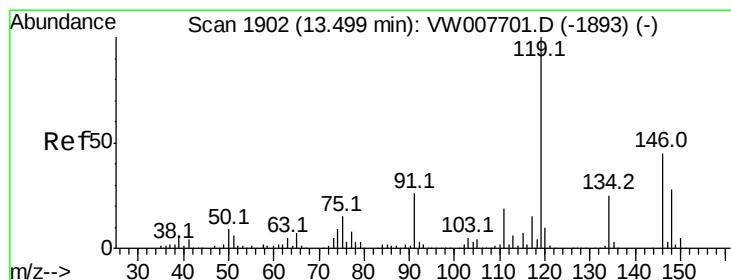
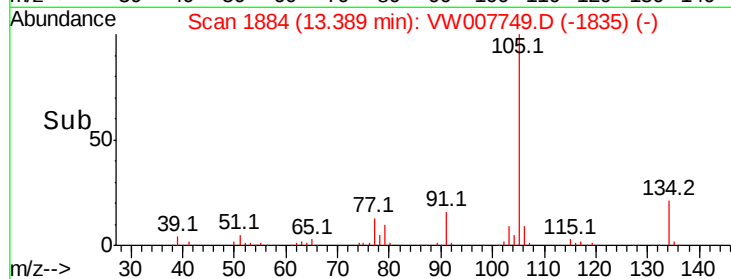
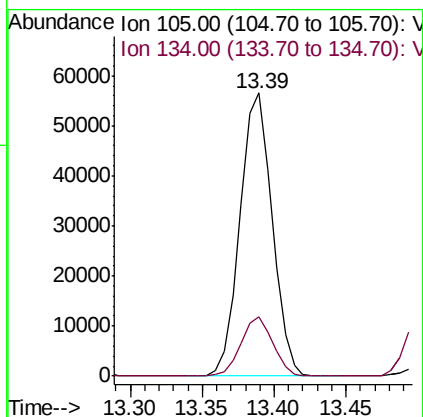
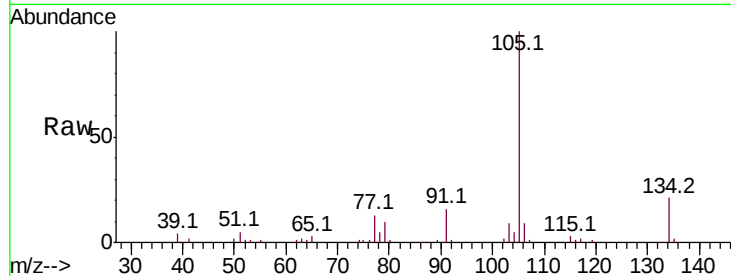




#85
 sec-Butylbenzene
 Concen: 21.649 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW007749.D
 Acq: 20 Dec 2018 16:15

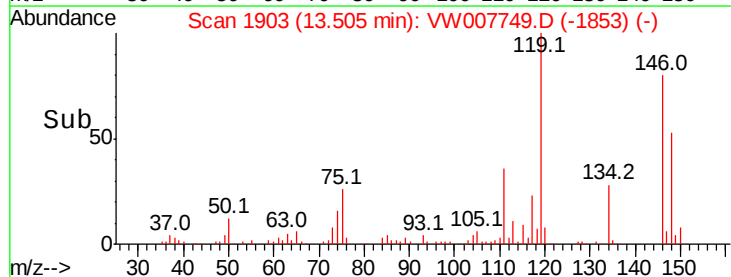
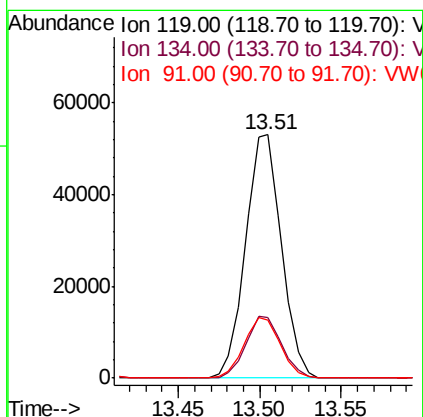
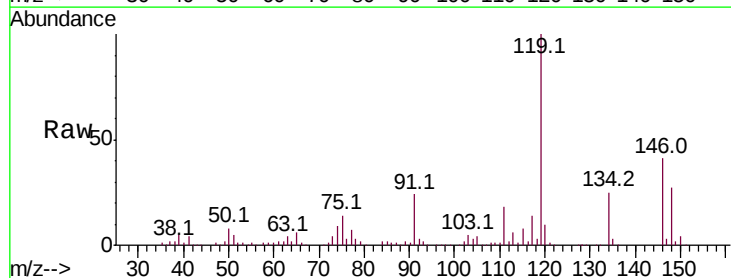
Instrument :
 MSVOA_W
 ClientSampleId :

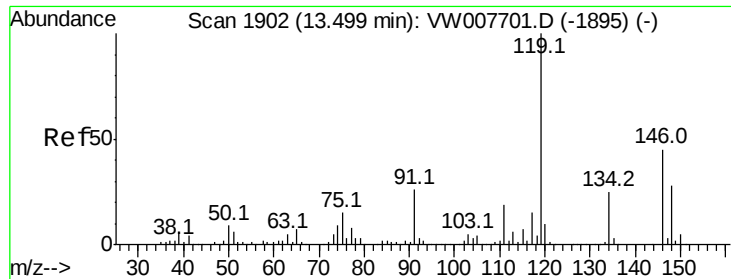
Tot Ion:105 Resp: 87686
 Ion Ratio Lower Upper
 105 100
 134 20.5 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 22.083 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.01 min
 Lab File: VW007749.D
 Acq: 20 Dec 2018 16:15

Tgt Ion:119 Resp: 81332
 Ion Ratio Lower Upper
 119 100
 134 25.3 13.0 39.0
 91 24.9 12.8 38.4





#87

1,3-Dichlorobenzene

Concen: 21.382 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

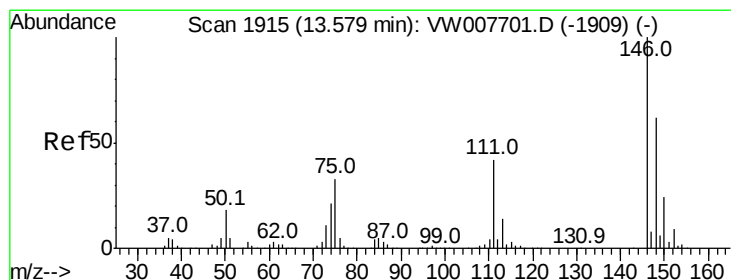
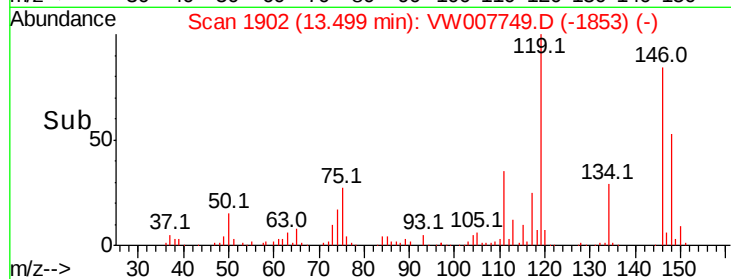
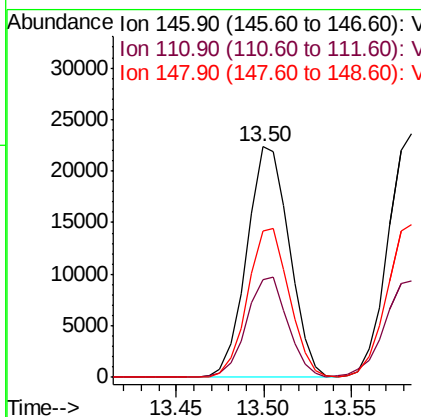
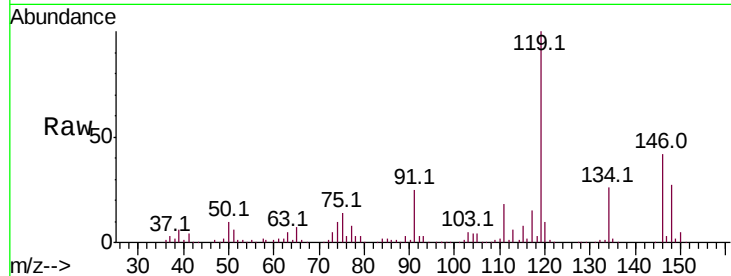
Lab File: VW007749.D

Acq: 20 Dec 2018 16:15

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:146 Resp: 37780

Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.1	63.4
148	63.1	32.1	96.5



#88

1,4-Dichlorobenzene

Concen: 21.078 ug/l

RT: 13.58 min Scan# 1916

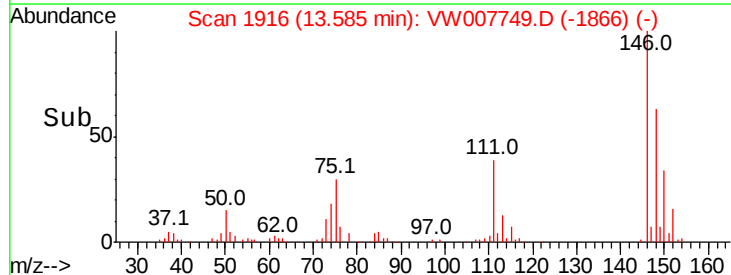
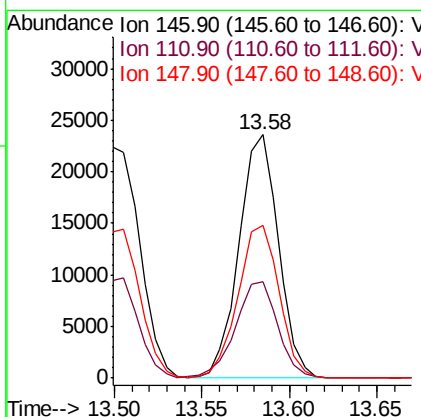
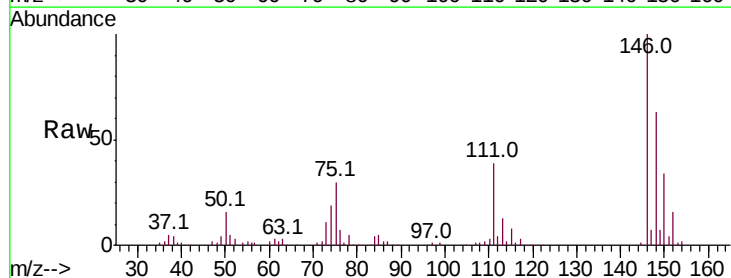
Delta R.T. 0.01 min

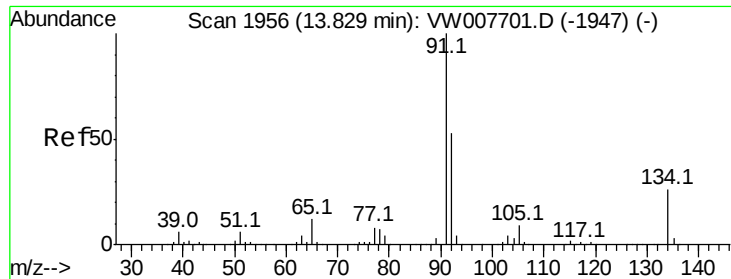
Lab File: VW007749.D

Acq: 20 Dec 2018 16:15

Tgt Ion:146 Resp: 37253

Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.0	63.0
148	65.5	31.8	95.4





#89

n-Butylbenzene

Concen: 22.006 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW007749.D

Acq: 20 Dec 2018 16:15

Instrument :

MSVOA_W

ClientSampleId :

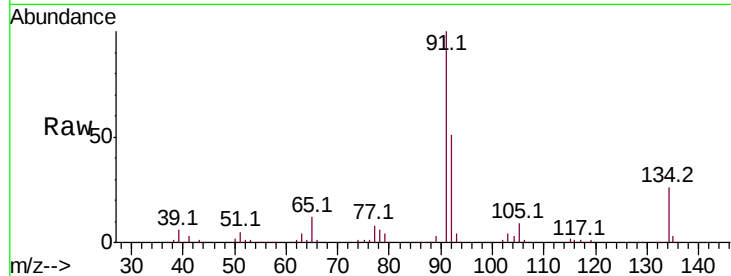
Tot Ion: 91 Resp: 74310

Ion Ratio Lower Upper

91 100

92 51.8 26.4 79.2

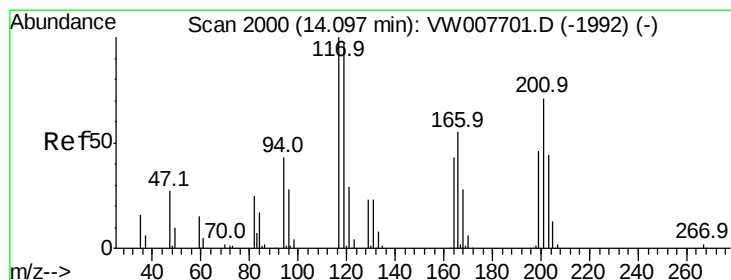
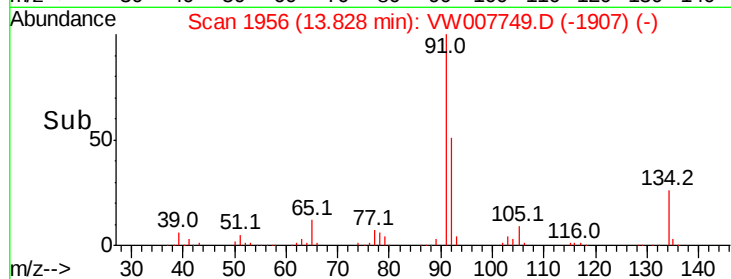
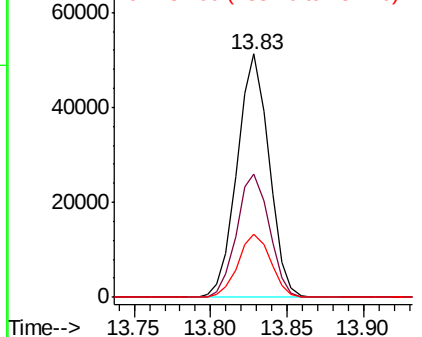
134 26.7 13.7 41.0



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: 20.876 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW007749.D

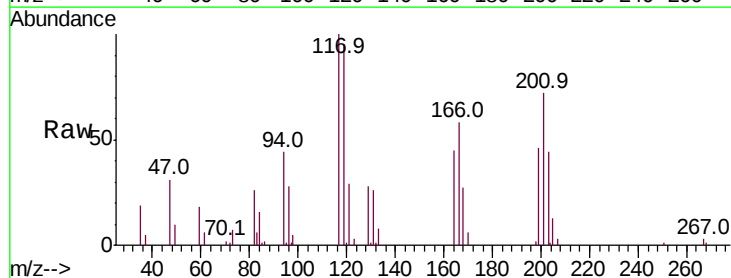
Acq: 20 Dec 2018 16:15

Tgt Ion: 117 Resp: 13498

Ion Ratio Lower Upper

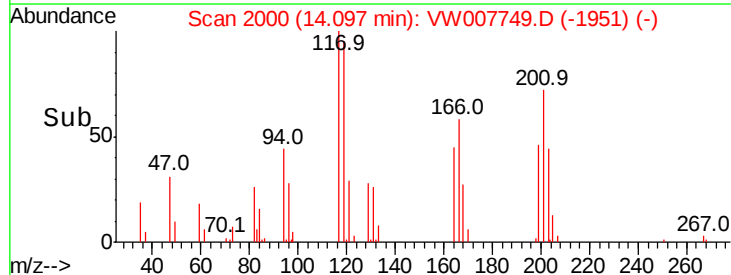
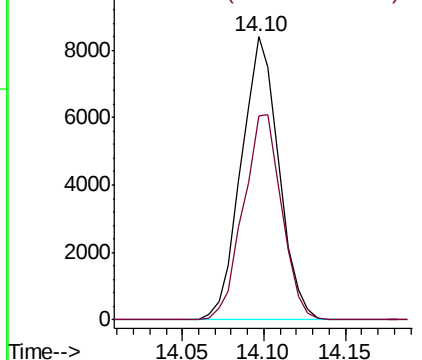
117 100

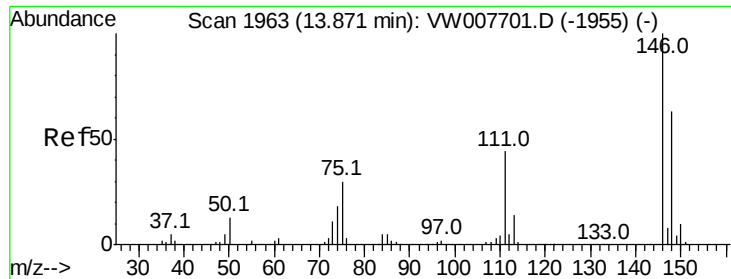
201 73.9 36.2 108.6



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

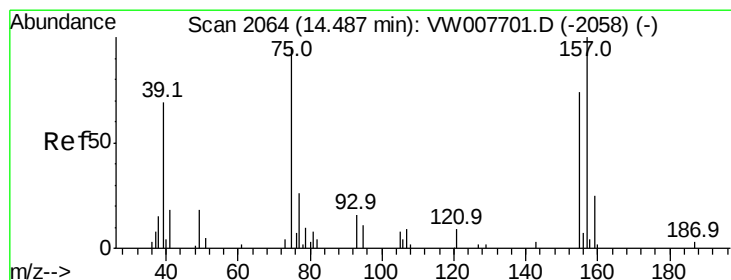
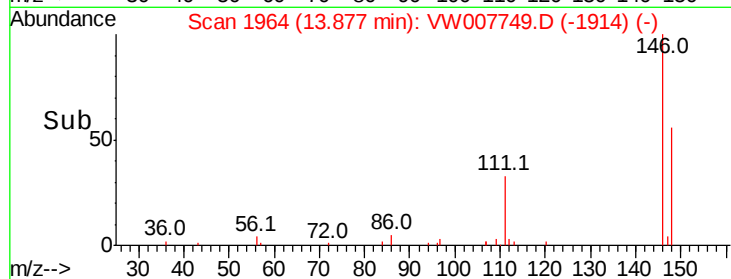
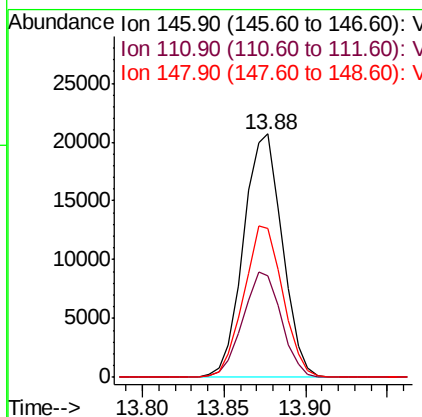
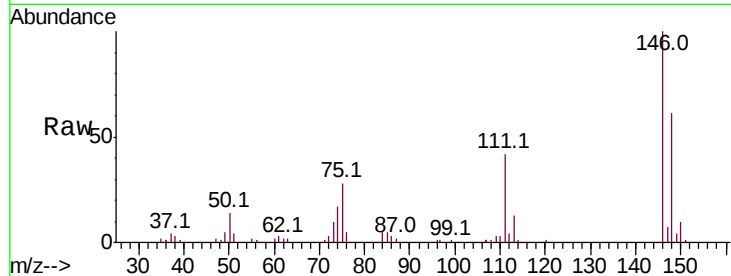




#91
 1,2-Dichlorobenzene
 Concen: 21.645 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.01 min
 Lab File: VW007749.D
 Acq: 20 Dec 2018 16:15

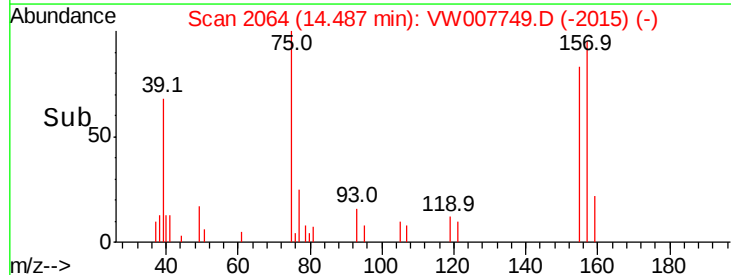
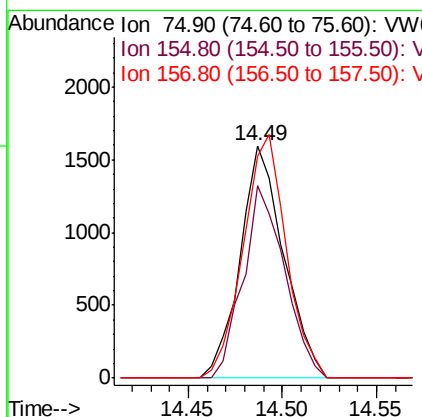
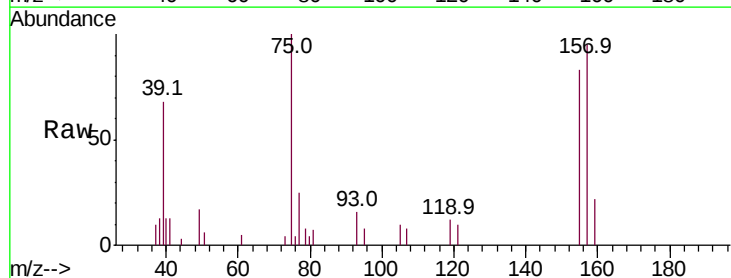
Instrument :
 MSVOA_W
 ClientSampleId :

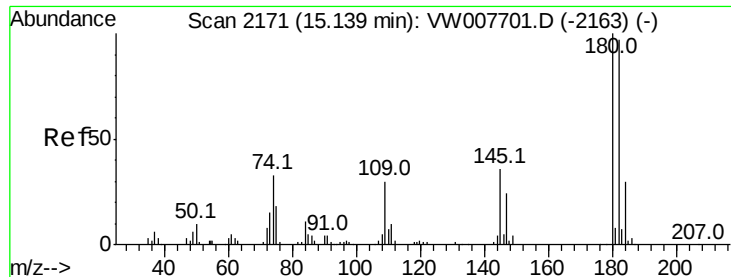
Tot Ion:146 Resp: 34242
 Ion Ratio Lower Upper
 146 100
 111 43.0 21.7 65.1
 148 62.9 32.1 96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.478 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW007749.D
 Acq: 20 Dec 2018 16:15

Tgt Ion: 75 Resp: 2568
 Ion Ratio Lower Upper
 75 100
 155 78.4 39.4 118.1
 157 103.2 52.0 156.0





#93

1,2,4-Trichlorobenzene

Concen: 21.365 ug/l

RT: 15.14 min Scan# 2171

Delta R.T. -0.00 min

Lab File: VW007749.D

Acq: 20 Dec 2018 16:15

Instrument :

MSVOA_W

ClientSampleId :

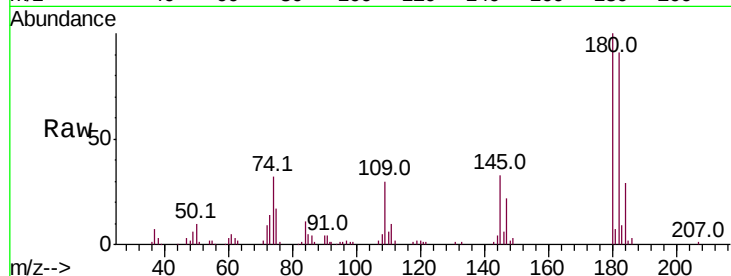
Tot Ion:180 Resp: 23461

Ion Ratio Lower Upper

180 100

182 96.3 47.5 142.6

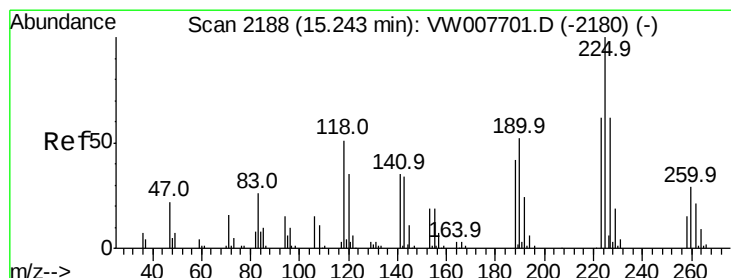
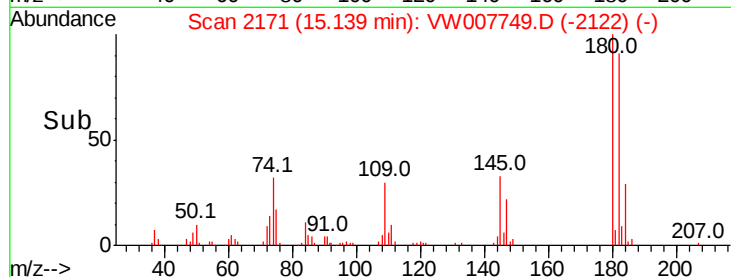
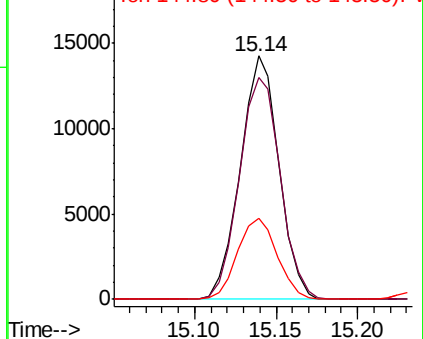
145 34.3 17.5 52.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 21.891 ug/l

RT: 15.24 min Scan# 2188

Delta R.T. -0.00 min

Lab File: VW007749.D

Acq: 20 Dec 2018 16:15

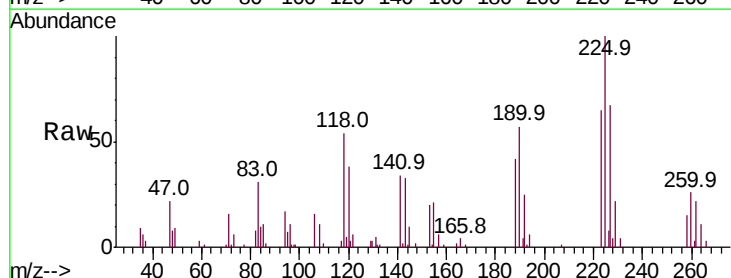
Tgt Ion:225 Resp: 12847

Ion Ratio Lower Upper

225 100

223 64.0 31.6 94.8

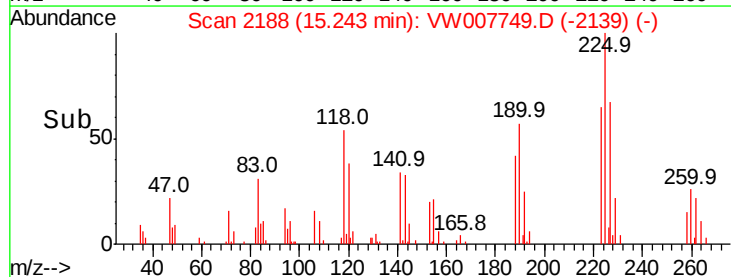
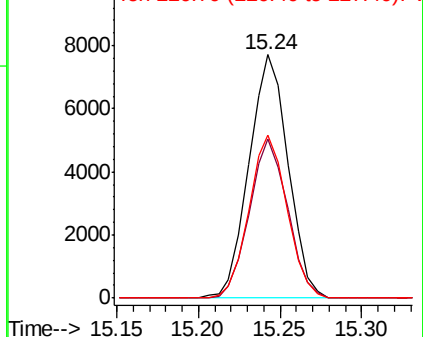
227 65.2 32.1 96.3

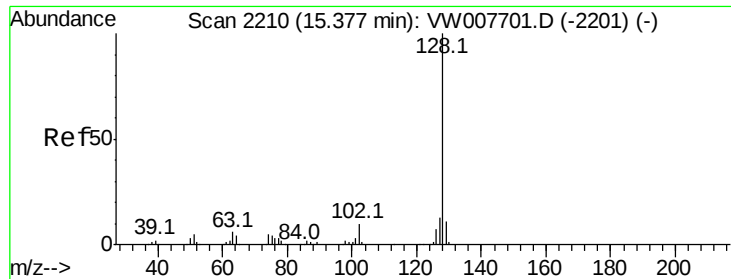


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

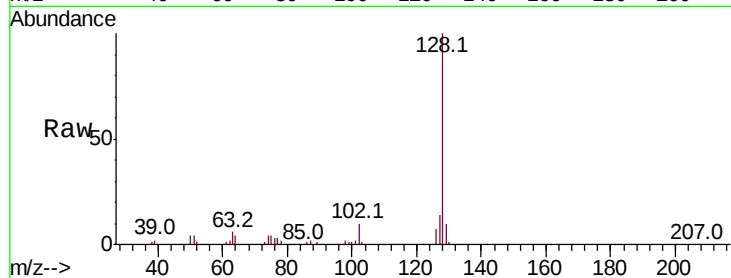




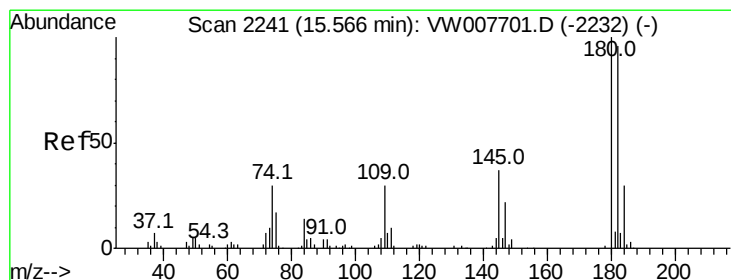
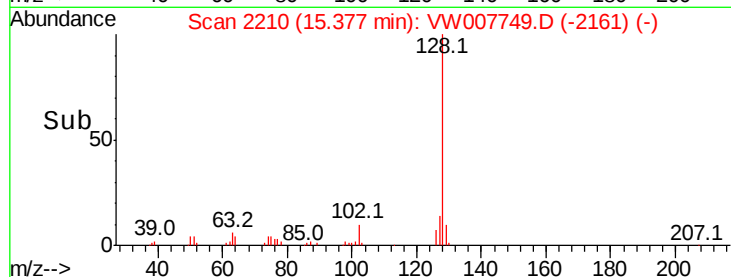
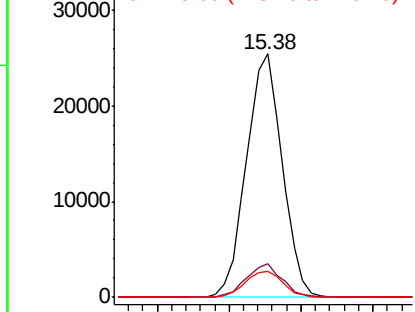
#95
Naphthalene
Concen: 21.501 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW007749.D
Acq: 20 Dec 2018 16:15

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 43652
Ion Ratio Lower Upper
128 100
127 13.8 10.7 16.1
129 11.1 8.8 13.2

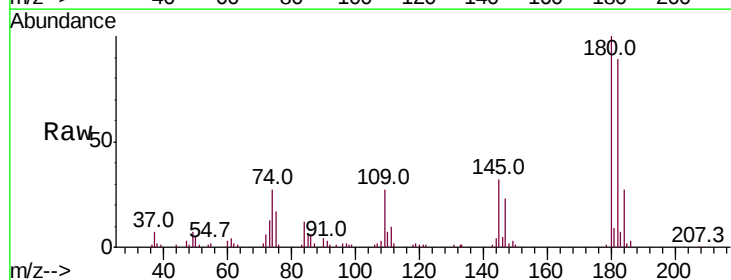


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 21.571 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW007749.D
Acq: 20 Dec 2018 16:15

Tgt Ion:180 Resp: 20277
Ion Ratio Lower Upper
180 100
182 93.3 47.4 142.2
145 34.6 18.4 55.0



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

