

Data File : VW007906.D
Acq On : 25 Dec 2018 00:04
Operator : SY/AP
Sample : VSTDIC020
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Quant Time: Dec 25 03:42:34 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122618S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 25 03:37:20 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	81363	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	139028	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	127521	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	62287	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	18169	19.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.60%	
35) Dibromofluoromethane	7.88	113	16009	18.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.44%	
50) Toluene-d8	10.32	98	61085	18.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.80%	
62) 4-Bromofluorobenzene	12.62	95	23912	19.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.30%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.01	85	11763	16.445	ug/l 99
3) Chloromethane	2.21	50	10579	22.520	ug/l 97
4) Vinyl Chloride	2.37	62	12988	21.888	ug/l 97
5) Bromomethane	2.78	94	8137	19.863	ug/l 99
6) Chloroethane	2.92	64	6490	20.332	ug/l 89
7) Trichlorofluoromethane	3.25	101	9091	15.640	ug/l 87
8) Diethyl Ether	3.68	74	8590	23.246	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	15499	17.834	ug/l 98
10) Methyl Iodide	4.26	142	25570	18.433	ug/l 99
11) Tert butyl alcohol	5.17	59	7388	118.182	ug/l 98
12) 1,1-Dichloroethene	4.03	96	15734	19.471	ug/l 90
13) Acrolein	3.89	56	4395	93.185	ug/l 98
14) Allyl chloride	4.66	41	22562	20.643	ug/l 98
15) Acrylonitrile	5.37	53	16958	105.744	ug/l 97
16) Acetone	4.12	43	15387	91.968	ug/l 97
17) Carbon Disulfide	4.37	76	41988	16.986	ug/l 98
18) Methyl Acetate	4.67	43	9662	22.776	ug/l 96
19) Methyl tert-butyl Ether	5.42	73	26766	22.237	ug/l 99
20) Methylene Chloride	4.91	84	23946	22.976	ug/l 95
21) trans-1,2-Dichloroethene	5.42	96	16861	18.905	ug/l 96
22) Diisopropyl ether	6.31	45	46071	22.390	ug/l 98
23) Vinyl Acetate	6.25	43	129887	107.360	ug/l 97
24) 1,1-Dichloroethane	6.21	63	29409	19.796	ug/l 97
25) 2-Butanone	7.17	43	21547	106.106	ug/l 99
26) 2,2-Dichloropropane	7.17	77	19112	17.914	ug/l 99
27) cis-1,2-Dichloroethene	7.17	96	18511	19.332	ug/l 99
28) Bromochloromethane	7.51	49	11189	21.937	ug/l 100
29) Tetrahydrofuran	7.52	42	14264	116.258	ug/l 99
30) Chloroform	7.67	83	31999	19.246	ug/l 99
31) Cyclohexane	7.96	56	25802	19.081	ug/l 98
32) 1,1,1-Trichloroethane	7.87	97	27449	18.280	ug/l 97
36) 1,1-Dichloropropene	8.09	75	23689	17.709	ug/l 99
37) Ethyl Acetate	7.25	43	10184	21.453	ug/l 99
38) Carbon Tetrachloride	8.07	117	24627	15.901	ug/l 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	28991	17.418	ug/l	97
40) Benzene	8.32	78	67491	18.735	ug/l	99
41) Methacrylonitrile	7.49	41	5578	20.063	ug/l #	91
42) 1,2-Dichloroethane	8.40	62	22794	18.947	ug/l	100
43) Isopropyl Acetate	8.43	43	19761	20.744	ug/l	97
44) Trichloroethene	9.09	130	19127	17.755	ug/l	100
45) 1,2-Dichloropropane	9.37	63	16061	19.903	ug/l	97
46) Dibromomethane	9.46	93	9198	18.794	ug/l	96
47) Bromodichloromethane	9.65	83	22831	17.764	ug/l	98
48) Methyl methacrylate	9.44	41	9696	20.327	ug/l	97
49) 1,4-Dioxane	9.45	88	3275	418.033	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	47559	104.987	ug/l	100
52) Toluene	10.39	92	44492	18.465	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	23431	18.210	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	26142	18.393	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	12826	18.815	ug/l	98
56) Ethyl methacrylate	10.65	69	15875	19.649	ug/l	100
57) 1,3-Dichloropropane	10.93	76	22233	19.556	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	38852	104.498	ug/l	99
59) 2-Hexanone	10.97	43	32672	102.970	ug/l	98
60) Dibromochloromethane	11.13	129	14964	16.859	ug/l	100
61) 1,2-Dibromoethane	11.24	107	12830	18.623	ug/l	99
64) Tetrachloroethene	10.87	164	16012	17.703	ug/l	96
65) Chlorobenzene	11.66	112	49154	17.751	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	17091	17.379	ug/l	98
67) Ethyl Benzene	11.73	91	87196	18.298	ug/l	100
68) m/p-Xylenes	11.84	106	66462	36.101	ug/l	99
69) o-Xylene	12.17	106	31761	18.365	ug/l	100
70) Styrene	12.18	104	52229	18.357	ug/l	100
71) Bromoform	12.35	173	7799	15.551	ug/l #	98
73) Isopropylbenzene	12.47	105	88588	18.676	ug/l	100
74) N-amyl acetate	12.27	43	17956	21.176	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	14006	19.433	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	19602	39.594	ug/l	33
77) Bromobenzene	12.75	156	20146	18.571	ug/l	99
78) n-propylbenzene	12.81	91	101684	18.404	ug/l	100
79) 2-Chlorotoluene	12.90	91	60703	18.765	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	75555	18.464	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	3917	17.008	ug/l	90
82) 4-Chlorotoluene	12.99	91	64583	18.837	ug/l	100
83) tert-Butylbenzene	13.21	119	66042	18.398	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	77716	18.812	ug/l	99
85) sec-Butylbenzene	13.39	105	91246	18.465	ug/l	100
86) p-Isopropyltoluene	13.51	119	81981	18.280	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	39992	18.538	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	39689	18.454	ug/l	99
89) n-Butylbenzene	13.83	91	73887	17.957	ug/l	100
90) Hexachloroethane	14.10	117	12959	16.680	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	35889	18.594	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2565	17.494	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122618\
Quantitation Report (Not Reviewed)

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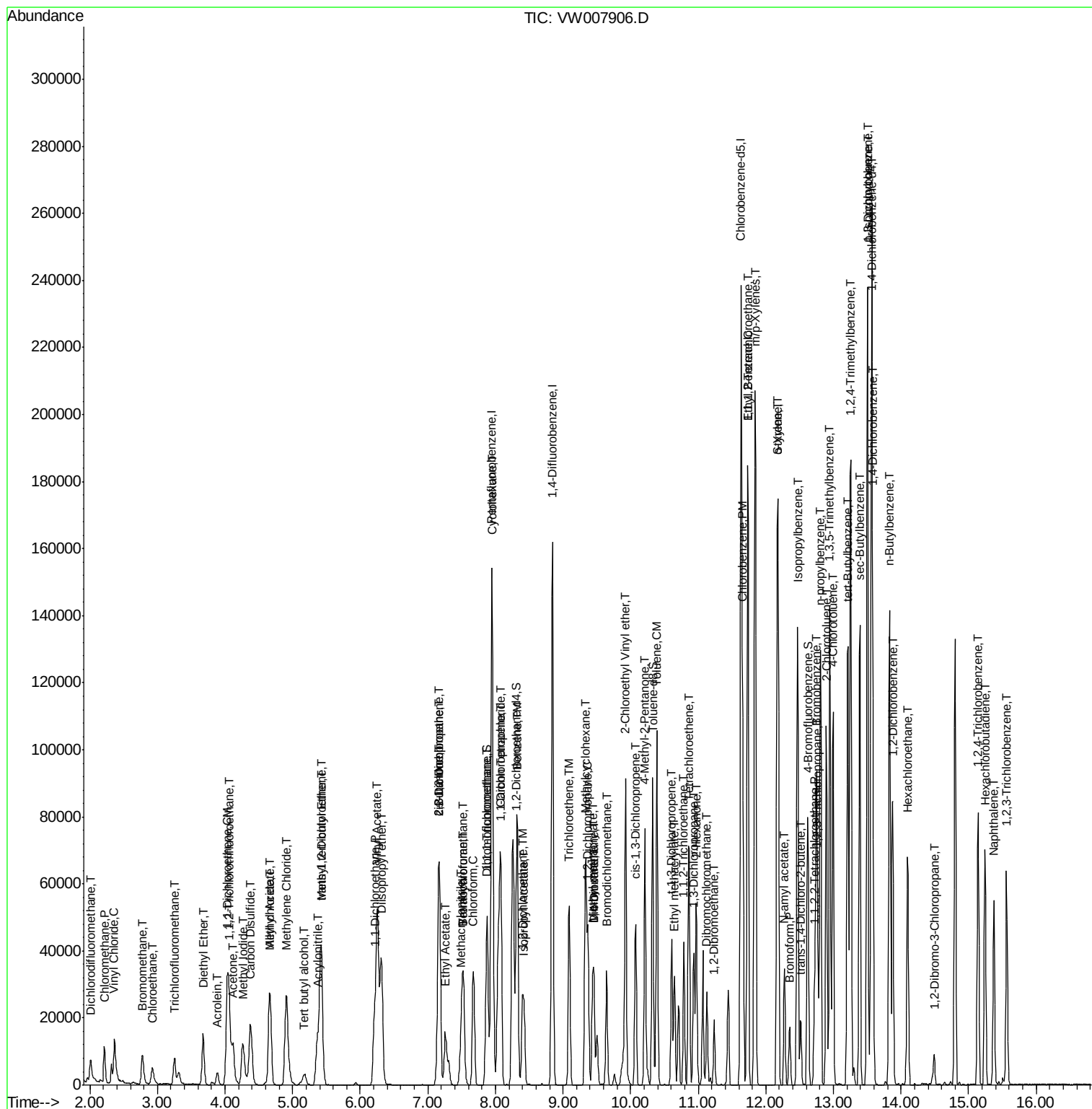
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	24298	18.225	ug/l	99
94) Hexachlorobutadiene	15.24	225	12748	17.927	ug/l	99
95) Naphthalene	15.38	128	48632	19.463	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	21015	18.326	ug/l	97

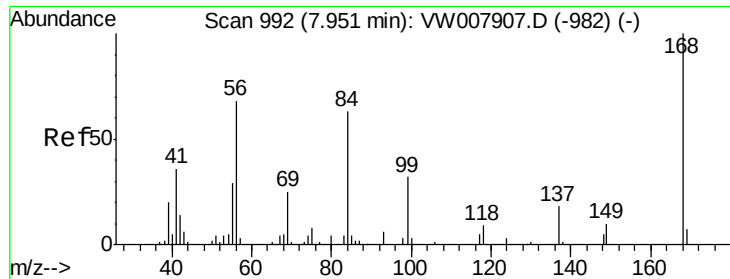
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007906.D

Acq: 25 Dec 2018 00:04

Instrument :

MSVOA_W

ClientSampleId :

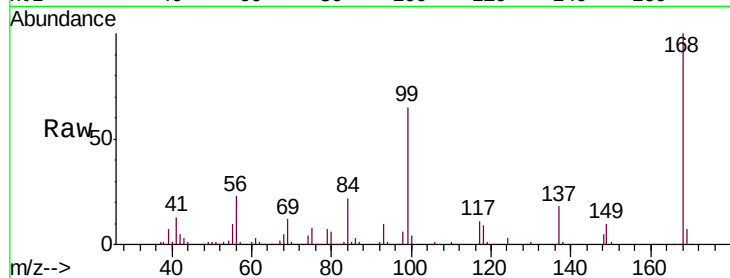
VSTDIC020

Tgt Ion:168 Resp: 81363

Ion Ratio Lower Upper

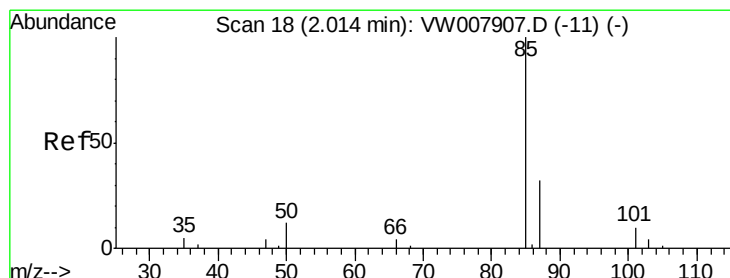
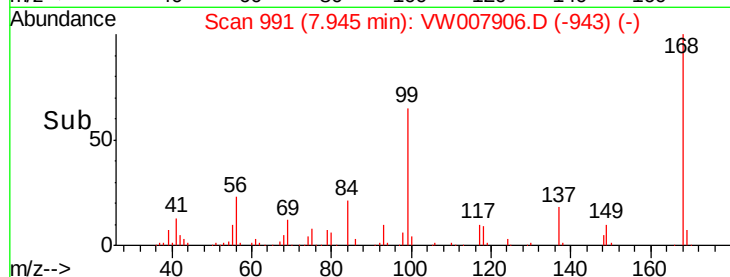
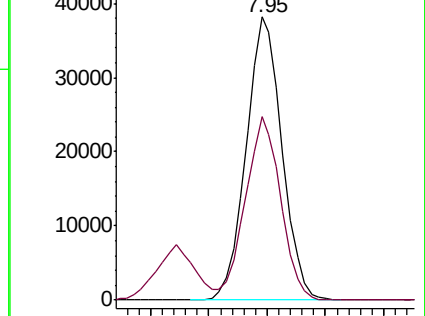
168 100

99 64.8 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 16.445 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW007906.D

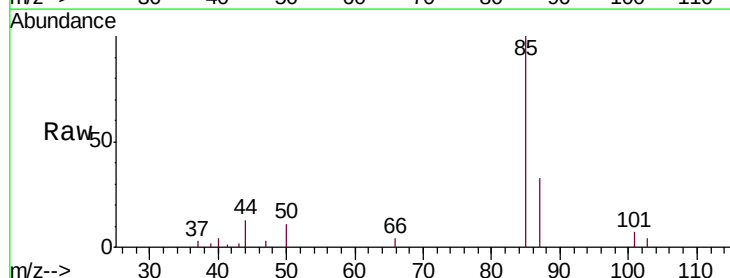
Acq: 25 Dec 2018 00:04

Tgt Ion: 85 Resp: 11763

Ion Ratio Lower Upper

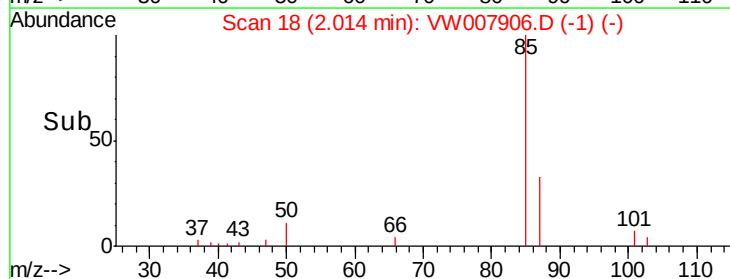
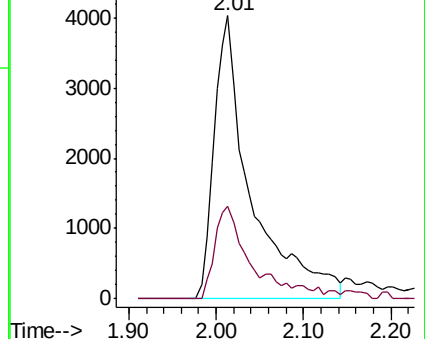
85 100

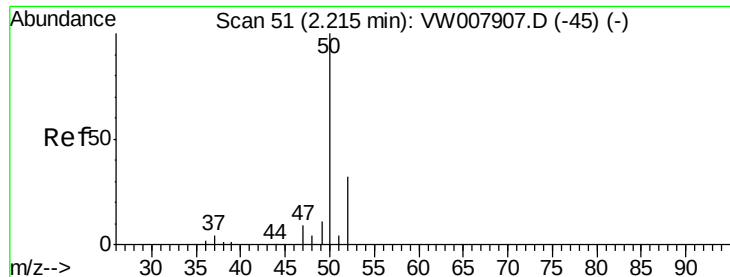
87 32.6 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 22.520 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW007906.D

Acq: 25 Dec 2018 00:04

Instrument :

MSVOA_W

ClientSampleId :

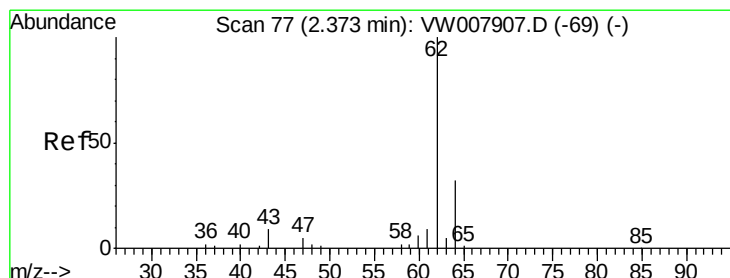
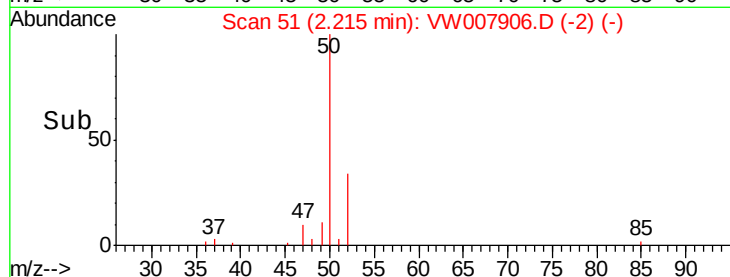
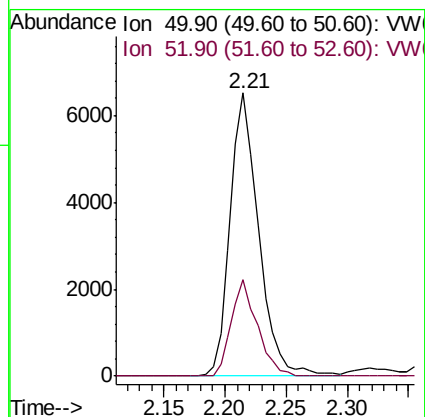
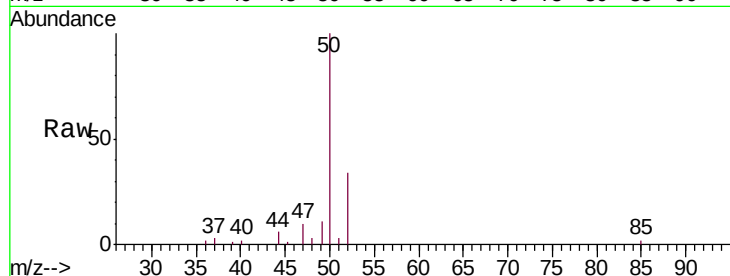
VSTDIC020

Tgt Ion: 50 Resp: 10579

Ion Ratio Lower Upper

50 100

52 33.9 25.6 38.4



#4

Vinyl Chloride

Concen: 21.888 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW007906.D

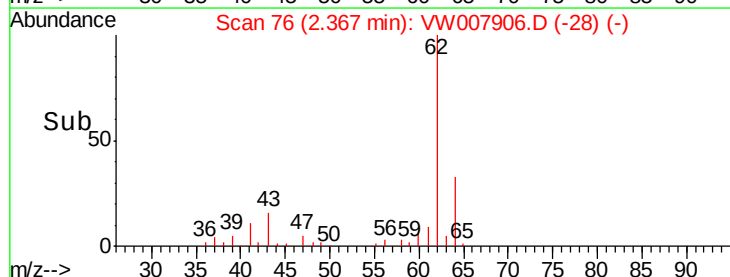
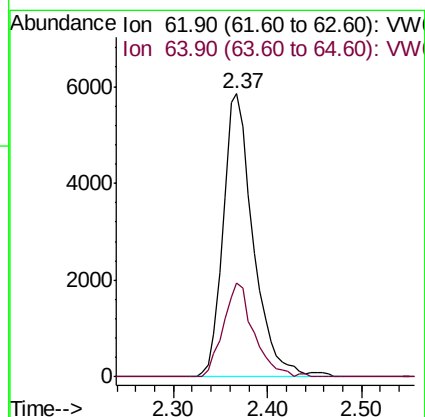
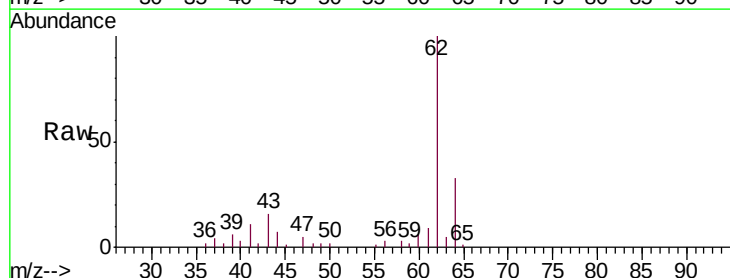
Acq: 25 Dec 2018 00:04

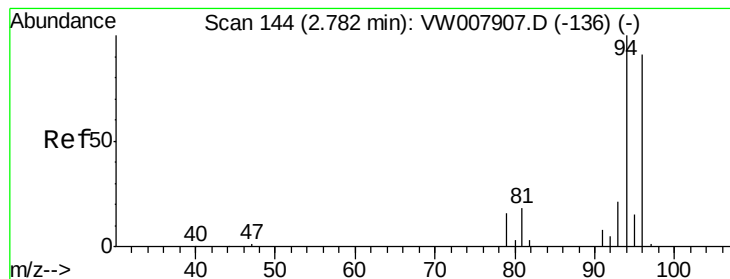
Tgt Ion: 62 Resp: 12988

Ion Ratio Lower Upper

62 100

64 33.3 25.3 37.9





#5

Bromomethane

Concen: 19.863 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW007906.D

Acq: 25 Dec 2018 00:04

Instrument :

MSVOA_W

ClientSampleId :

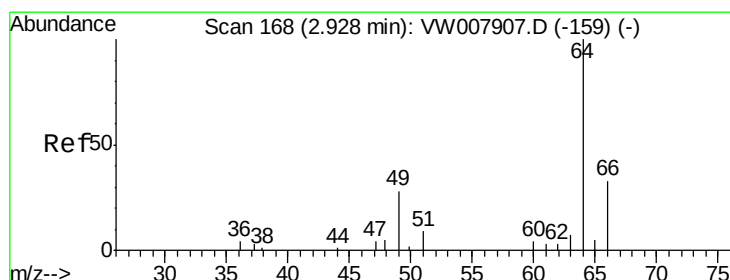
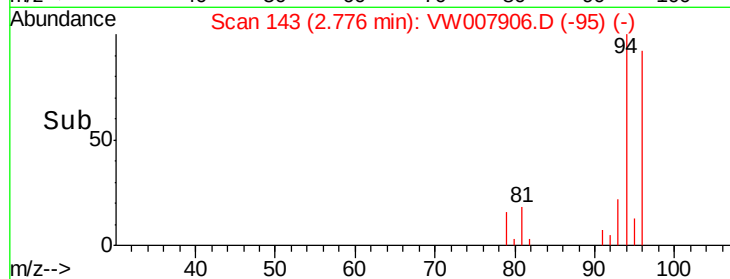
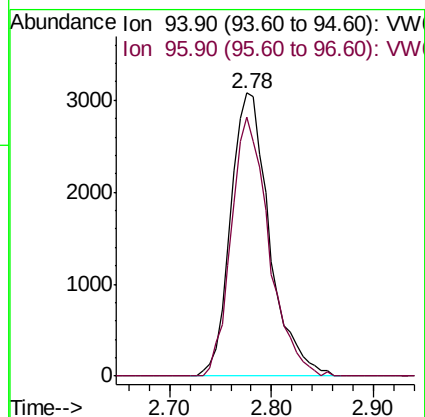
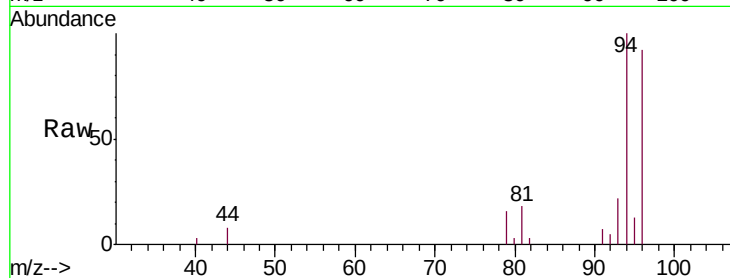
VSTDIC020

Tgt Ion: 94 Resp: 8137

Ion Ratio Lower Upper

94 100

96 91.6 72.7 109.1



#6

Chloroethane

Concen: 20.332 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW007906.D

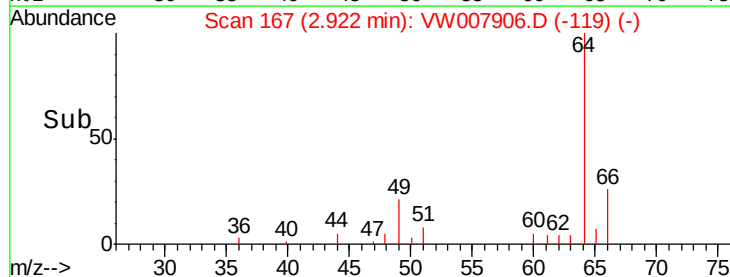
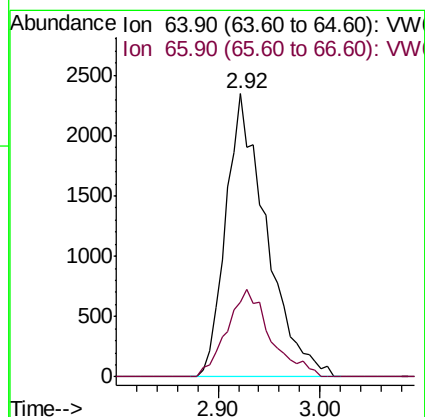
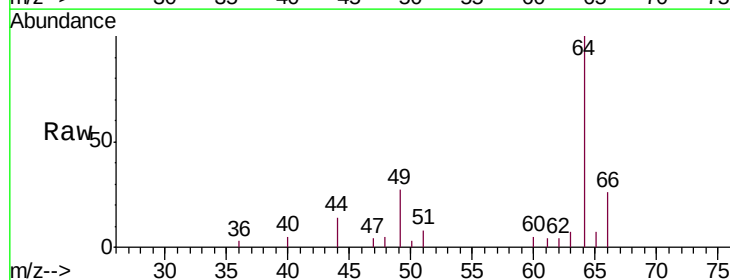
Acq: 25 Dec 2018 00:04

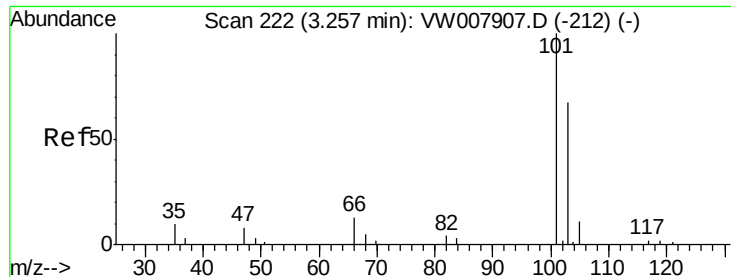
Tgt Ion: 64 Resp: 6490

Ion Ratio Lower Upper

64 100

66 26.4 26.2 39.2



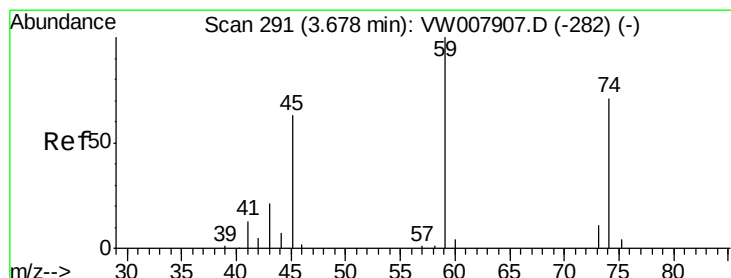
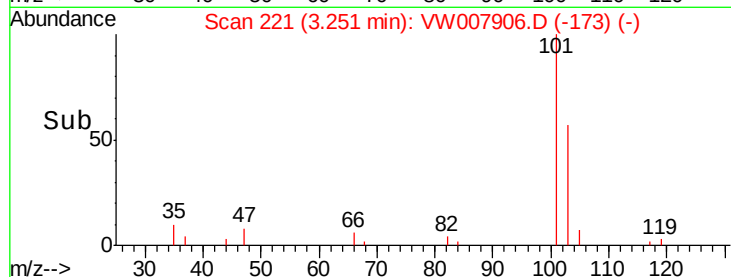
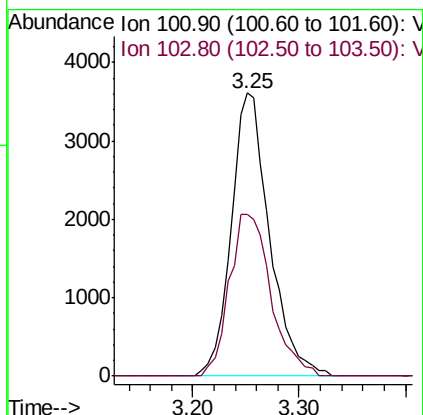
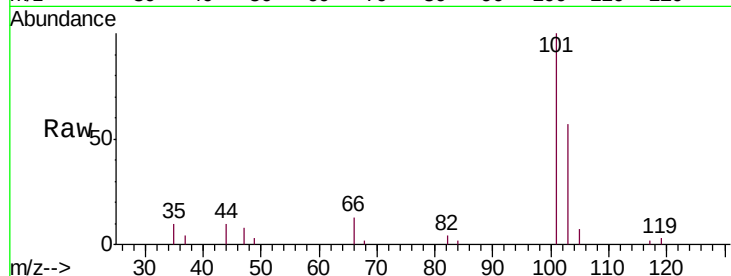


#7

Trichlorofluoromethane
 Concen: 15.640 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
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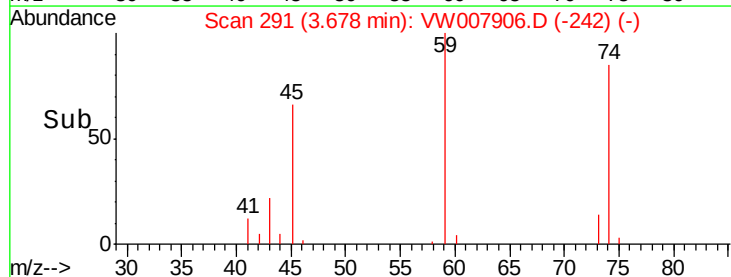
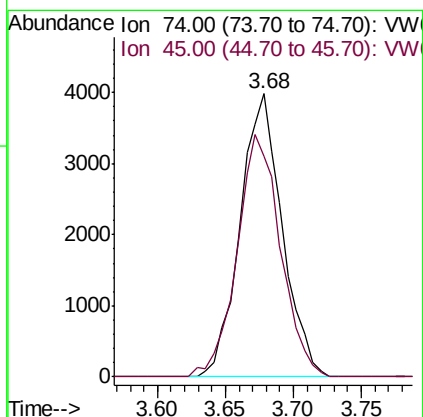
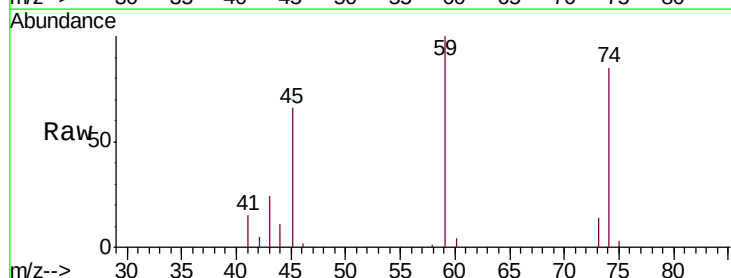
Tgt Ion:101 Resp: 9091
 Ion Ratio Lower Upper
 101 100
 103 56.9 53.8 80.8

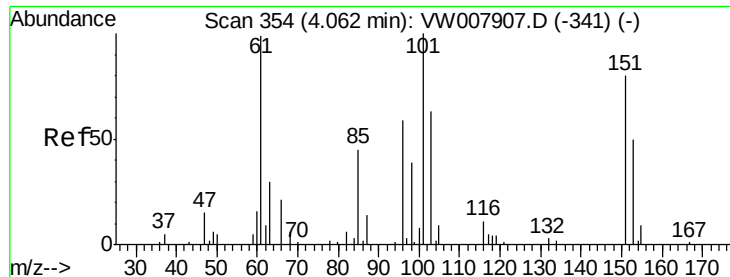


#8

Diethyl Ether
 Concen: 23.246 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW007906.D
 Acq: 25 Dec 2018 00:04

Tgt Ion: 74 Resp: 8590
 Ion Ratio Lower Upper
 74 100
 45 88.7 44.3 132.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.834 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW007906.D

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Instrument :

MSVOA_W

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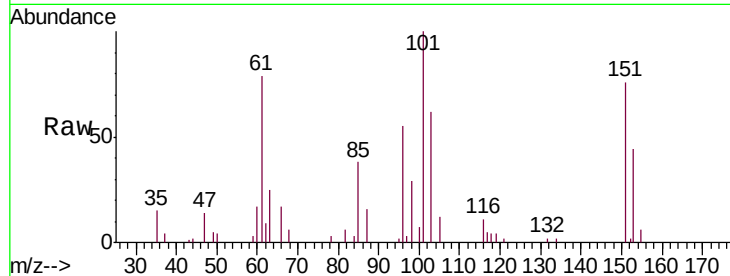
Tgt Ion:101 Resp: 15499

Ion Ratio Lower Upper

101 100

85 42.3 35.8 53.6

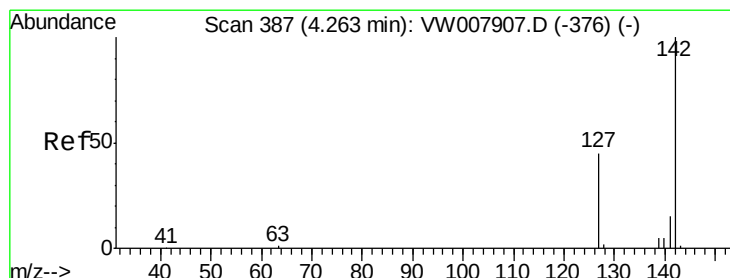
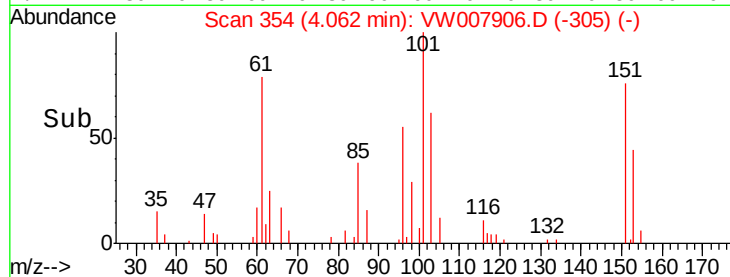
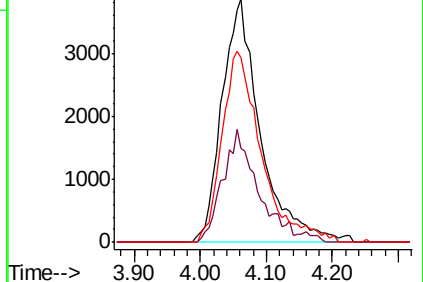
151 80.2 63.2 94.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.433 ug/l

RT: 4.26 min Scan# 387

Delta R.T. 0.00 min

Lab File: VW007906.D

Acq: 25 Dec 2018 00:04

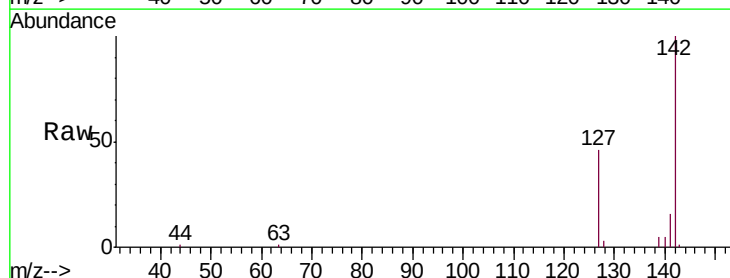
Tgt Ion:142 Resp: 25570

Ion Ratio Lower Upper

142 100

127 45.1 36.2 54.4

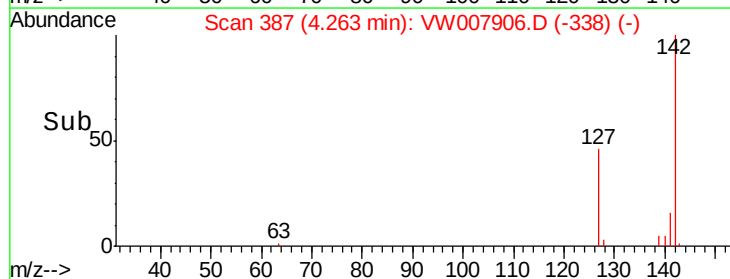
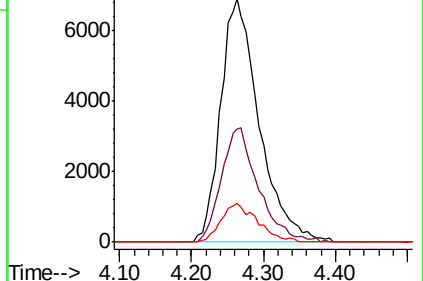
141 15.0 11.6 17.4

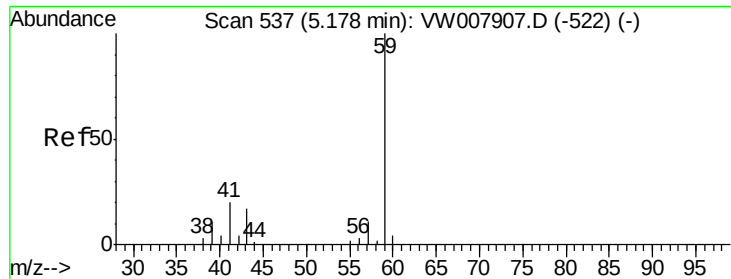


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

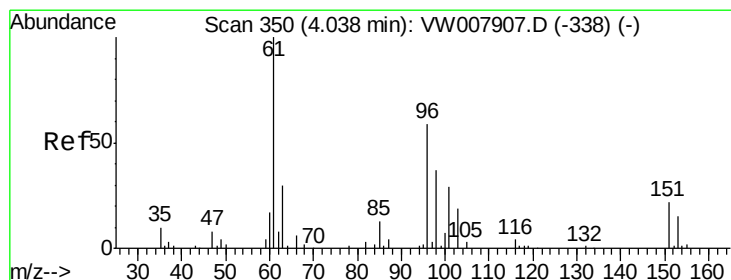
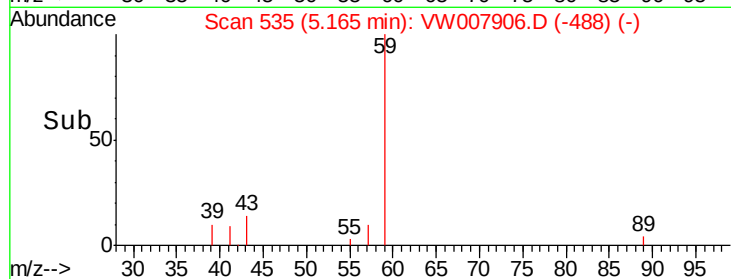
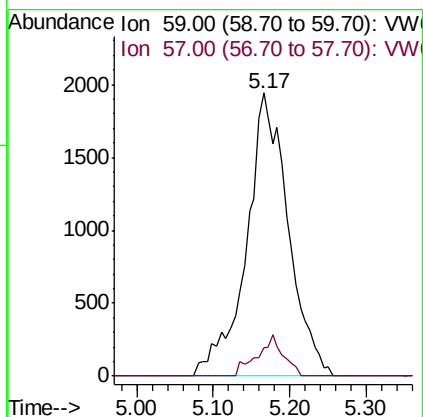
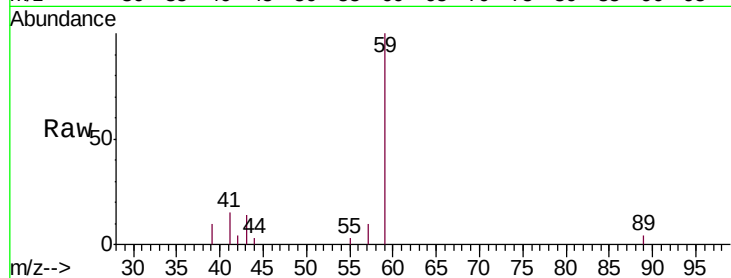




#11
Tert butyl alcohol
Concen: 118.182 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.01 min
Lab File: VW007906.D
Acq: 25 Dec 2018 00:04

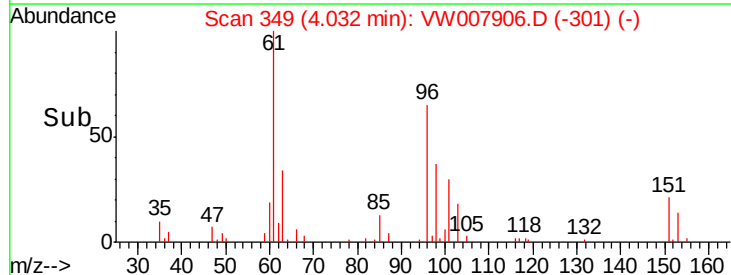
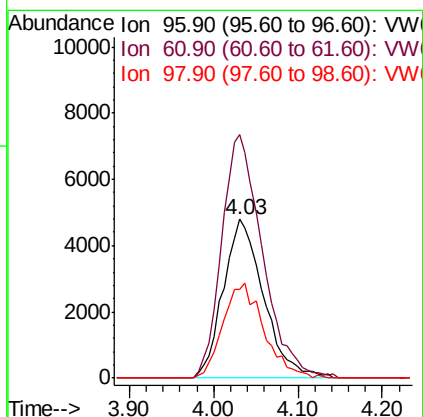
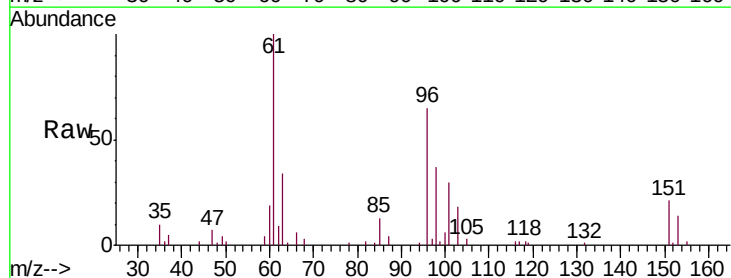
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

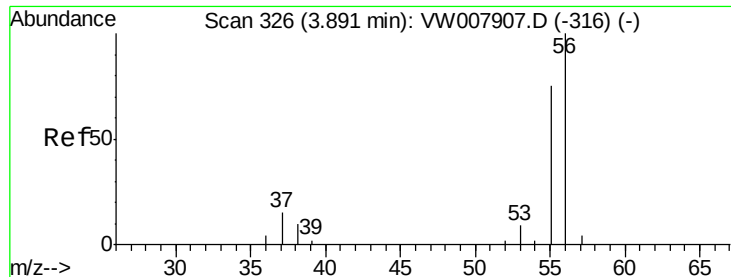
Tgt Ion: 59 Resp: 7388
Ion Ratio Lower Upper
59 100
57 9.0 7.8 11.6



#12
1,1-Dichloroethene
Concen: 19.471 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW007906.D
Acq: 25 Dec 2018 00:04

Tgt Ion: 96 Resp: 15734
Ion Ratio Lower Upper
96 100
61 153.5 134.5 201.7
98 56.1 50.2 75.2





#13

Acrolein

Concen: 93.185 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW007906.D

Acq: 25 Dec 2018 00:04

Instrument :

MSVOA_W

ClientSampleId :

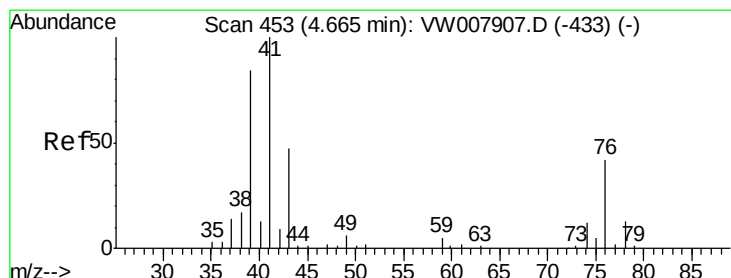
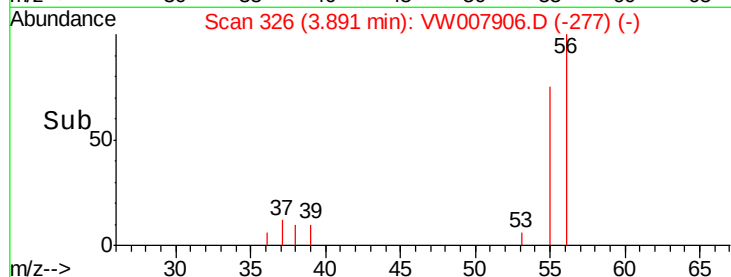
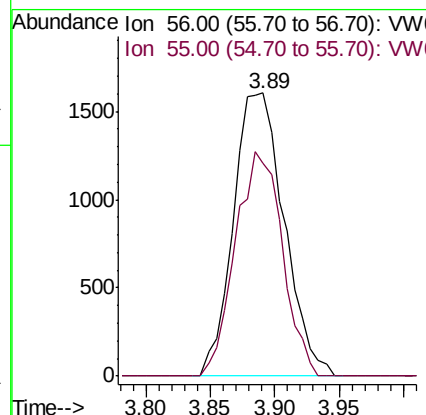
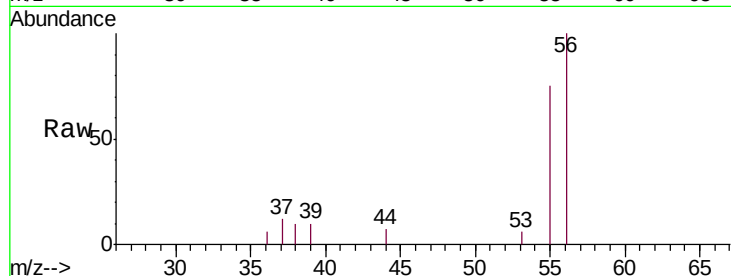
VSTDIC020

Tgt Ion: 56 Resp: 4395

Ion Ratio Lower Upper

56 100

55 73.2 57.0 85.6



#14

Allyl chloride

Concen: 20.643 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW007906.D

Acq: 25 Dec 2018 00:04

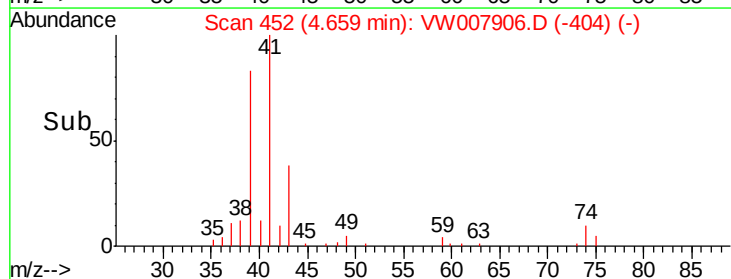
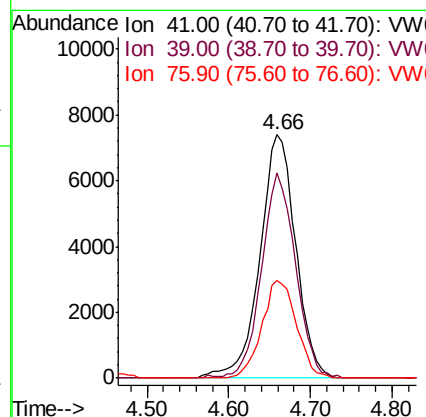
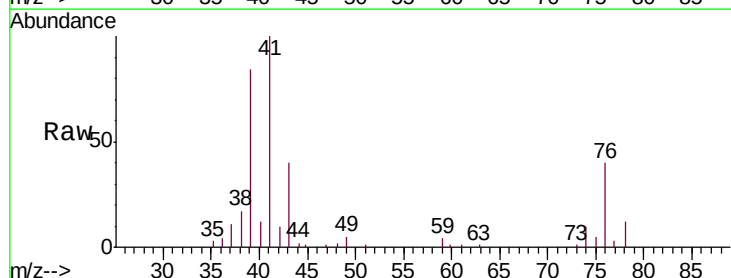
Tgt Ion: 41 Resp: 22562

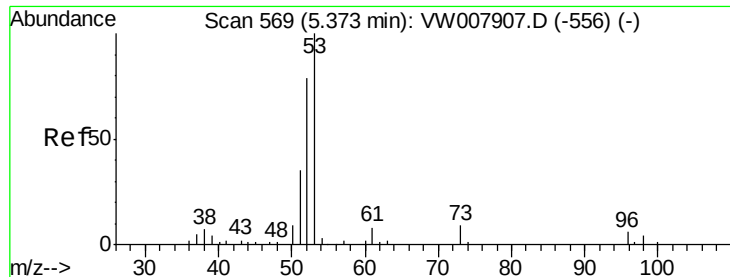
Ion Ratio Lower Upper

41 100

39 80.5 62.6 93.8

76 38.8 31.1 46.7

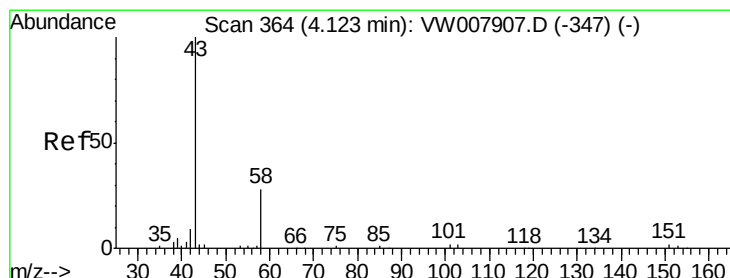
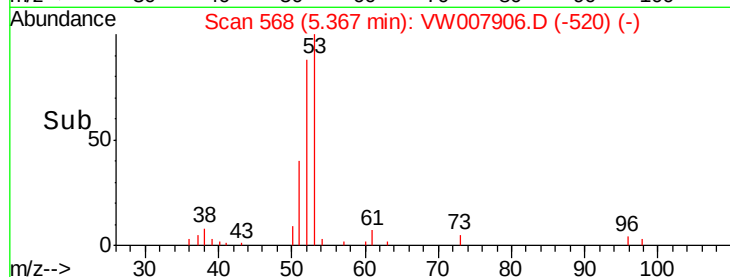
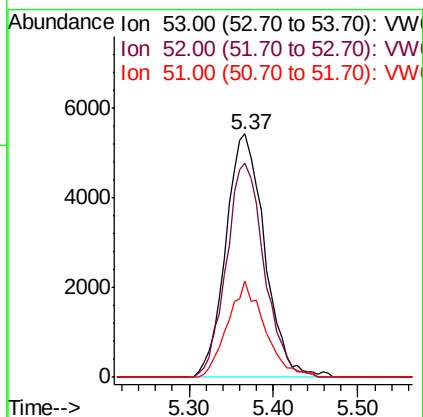
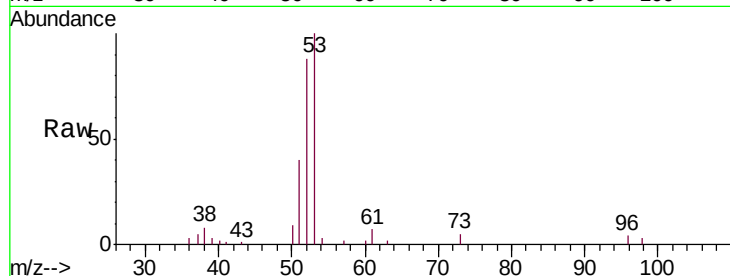




#15
 Acrylonitrile
 Concen: 105.744 ug/l
 RT: 5.37 min Scan# 568
 Delta R.T. -0.01 min
 Lab File: VW007906.D
 Acq: 25 Dec 2018 00:04

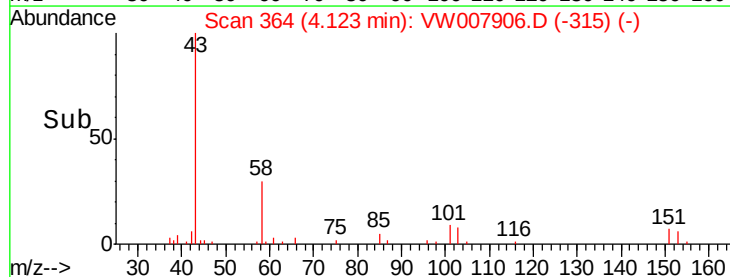
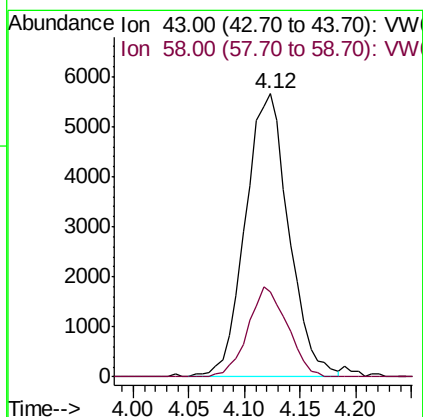
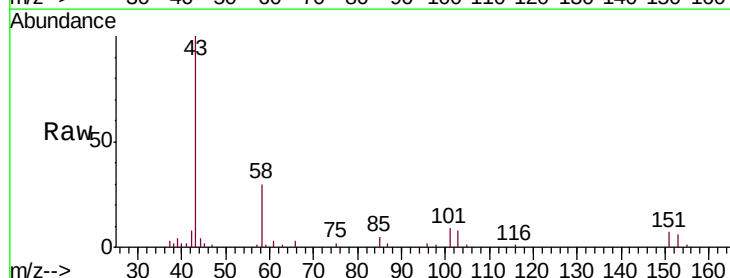
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

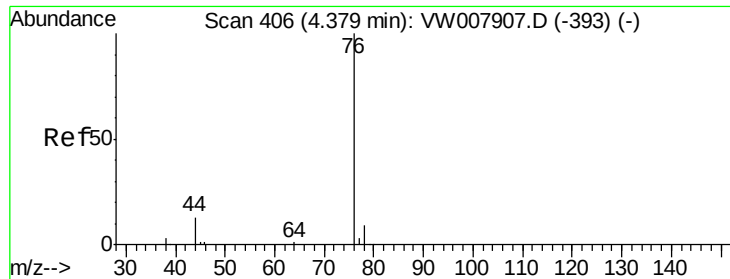
Tgt Ion: 53 Resp: 16958
 Ion Ratio Lower Upper
 53 100
 52 85.5 65.2 97.8
 51 37.5 30.6 45.8



#16
 Acetone
 Concen: 91.968 ug/l
 RT: 4.12 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VW007906.D
 Acq: 25 Dec 2018 00:04

Tgt Ion: 43 Resp: 15387
 Ion Ratio Lower Upper
 43 100
 58 30.0 22.8 34.2





#17

Carbon Disulfide

Concen: 16.986 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW007906.D

Acq: 25 Dec 2018 00:04

Instrument :

MSVOA_W

ClientSampled :

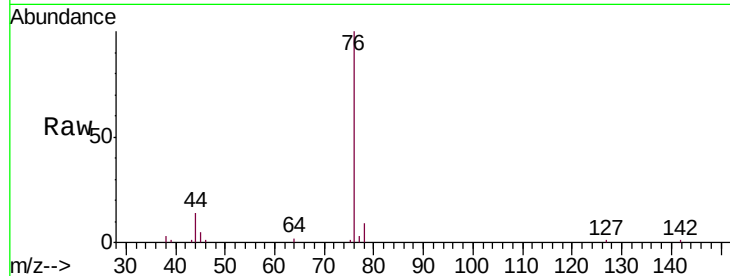
VSTDIC020

Tgt Ion: 76 Resp: 41988

Ion Ratio Lower Upper

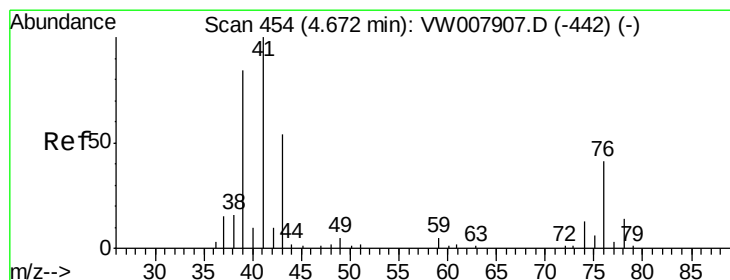
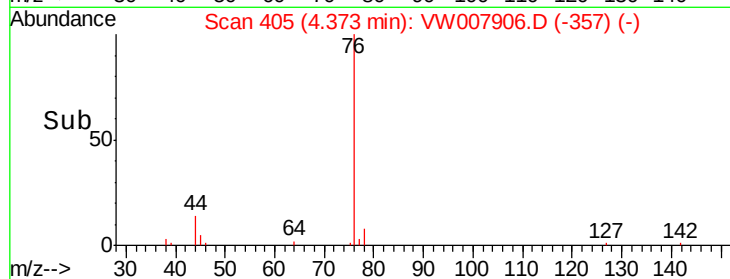
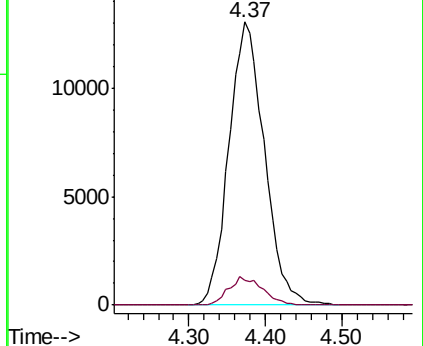
76 100

78 8.6 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 22.776 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW007906.D

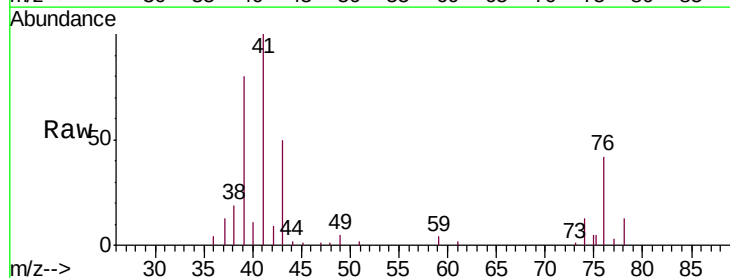
Acq: 25 Dec 2018 00:04

Tgt Ion: 43 Resp: 9662

Ion Ratio Lower Upper

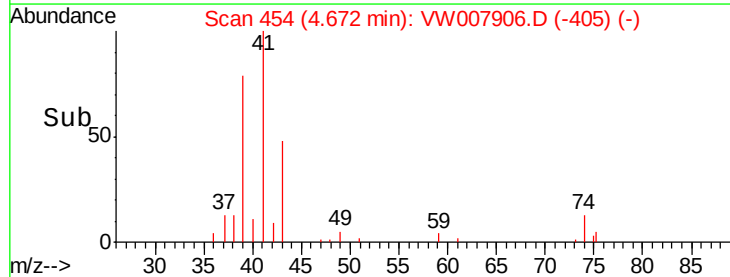
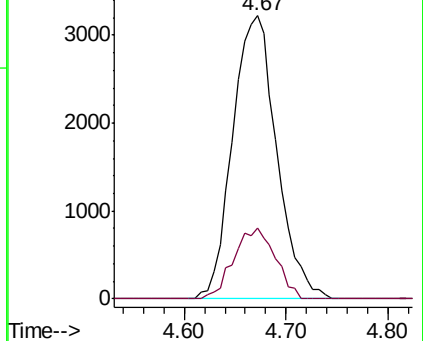
43 100

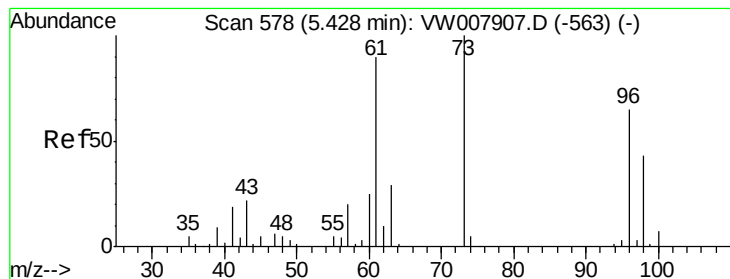
74 23.6 20.4 30.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



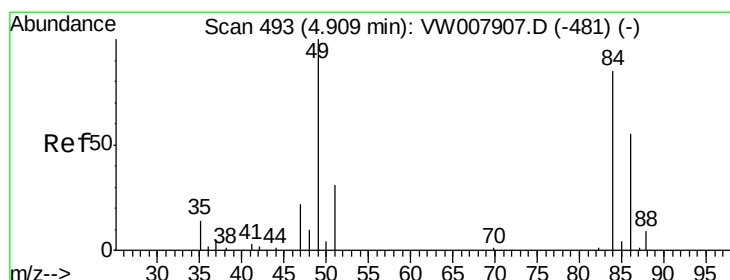
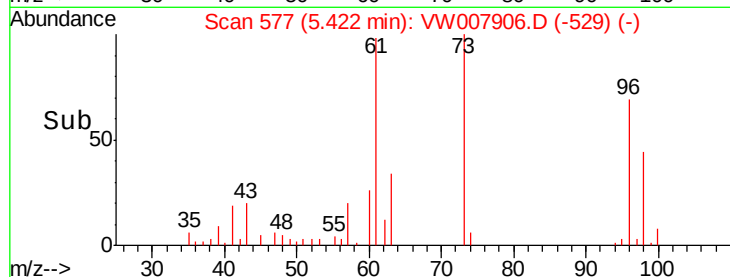
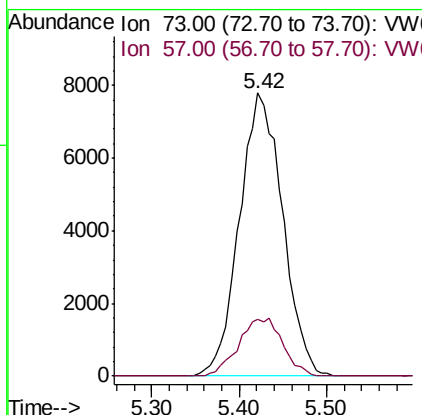
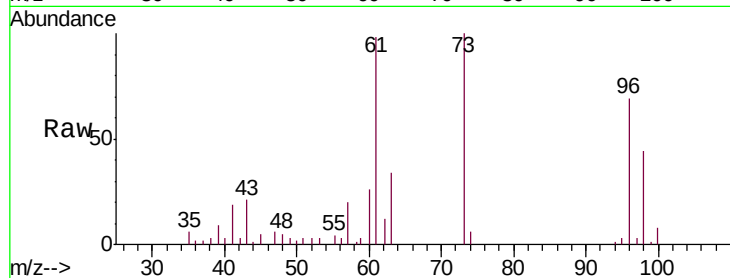


#19

Methyl tert-butyl Ether
 Concen: 22.237 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW007906.D
 Acq: 25 Dec 2018 00:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

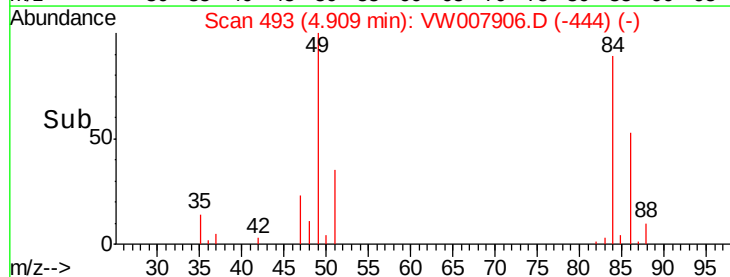
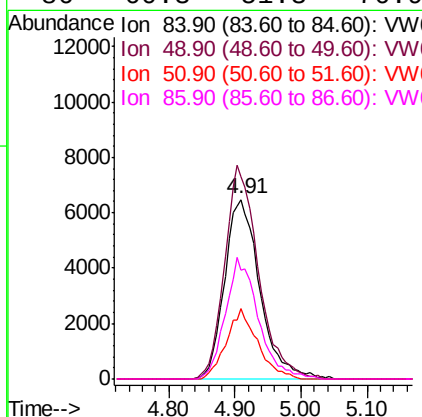
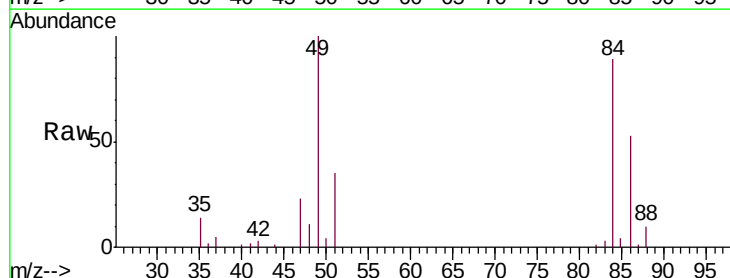
Tgt Ion: 73 Resp: 26766
 Ion Ratio Lower Upper
 73 100
 57 20.1 15.8 23.8

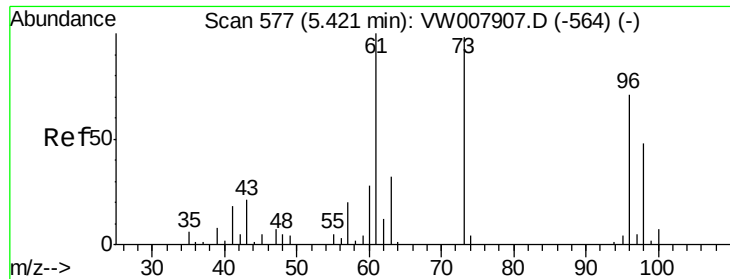


#20

Methylene Chloride
 Concen: 22.976 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. 0.00 min
 Lab File: VW007906.D
 Acq: 25 Dec 2018 00:04

Tgt Ion: 84 Resp: 23946
 Ion Ratio Lower Upper
 84 100
 49 113.0 94.0 141.0
 51 39.1 28.7 43.1
 86 60.3 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 18.905 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW007906.D

Acq: 25 Dec 2018 00:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

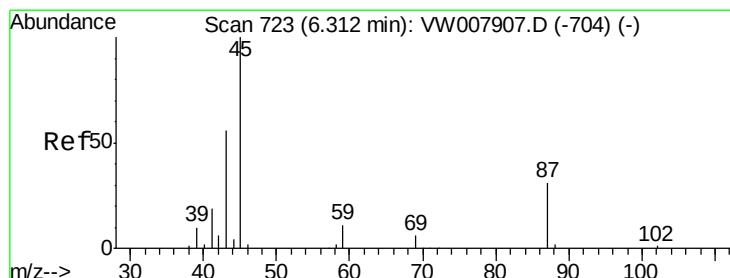
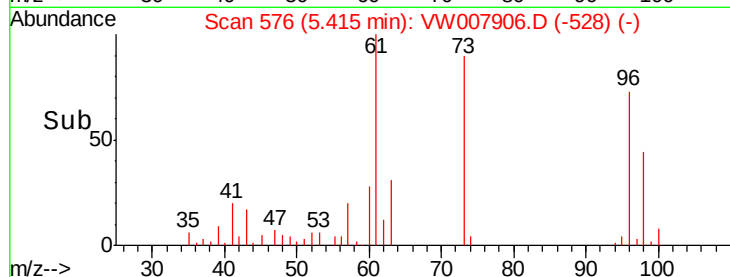
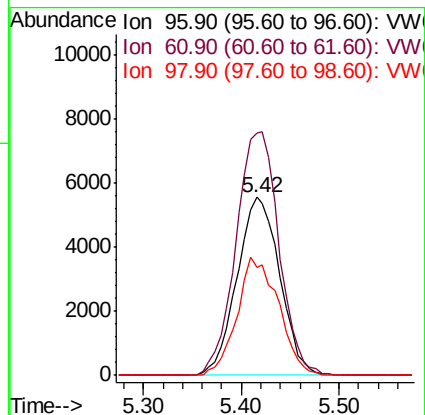
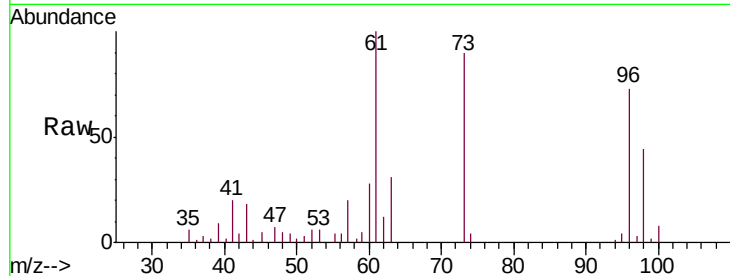
Tgt Ion: 96 Resp: 16861

Ion Ratio Lower Upper

96 100

61 136.6 112.0 168.0

98 60.5 53.2 79.8



#22

Diisopropyl ether

Concen: 22.390 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW007906.D

Acq: 25 Dec 2018 00:04

Tgt Ion: 45 Resp: 46071

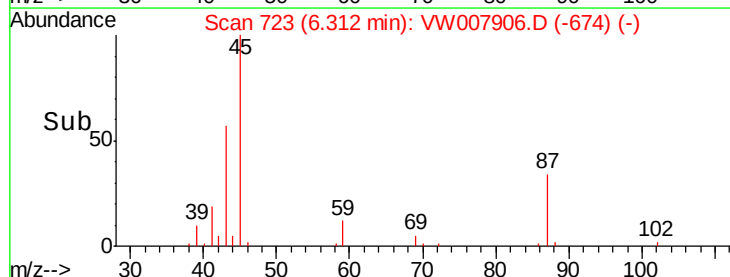
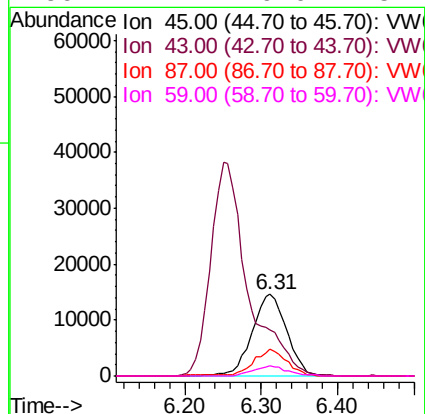
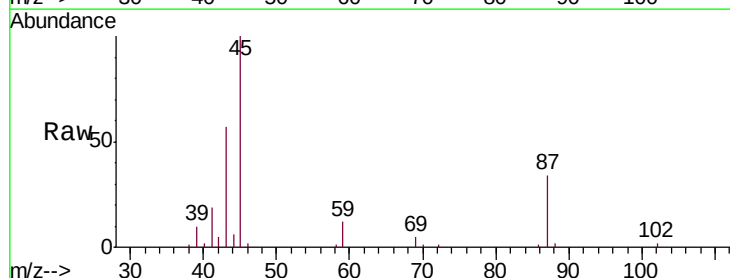
Ion Ratio Lower Upper

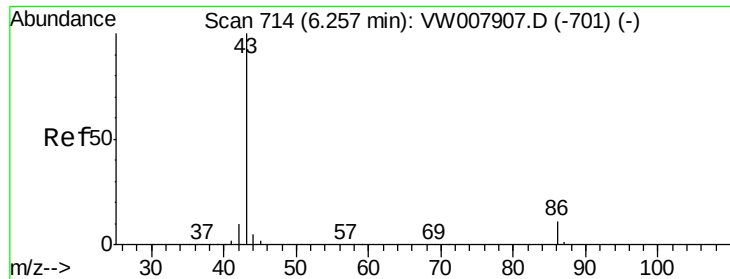
45 100

43 56.0 45.0 67.4

87 33.7 25.5 38.3

59 12.2 9.0 13.4





#23

Vinyl Acetate

Concen: 107.360 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW007906.D

Acq: 25 Dec 2018 00:04

Instrument :

MSVOA_W

ClientSampleId :

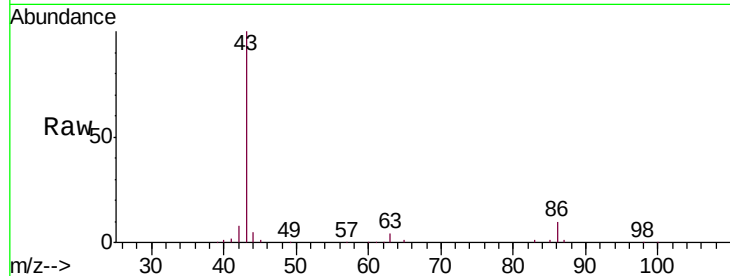
VSTDIC020

Tgt Ion: 43 Resp: 129887

Ion Ratio Lower Upper

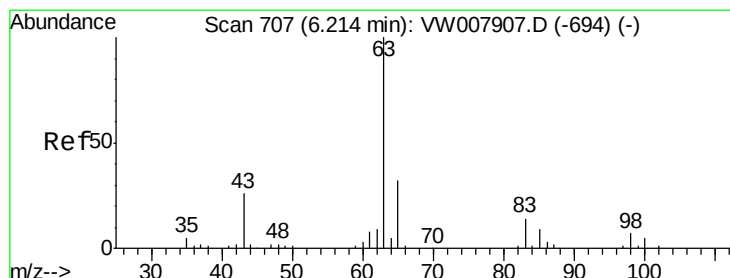
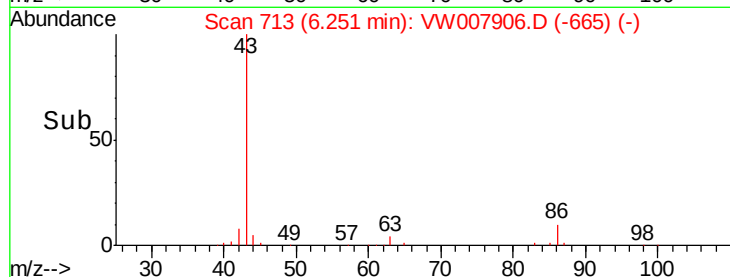
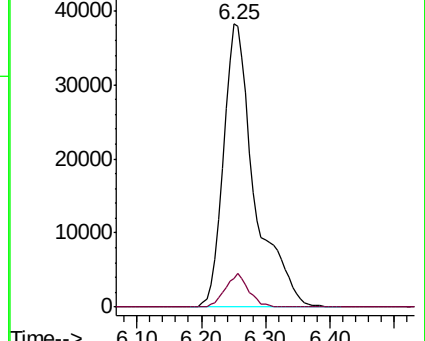
43 100

86 10.3 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 19.796 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW007906.D

Acq: 25 Dec 2018 00:04

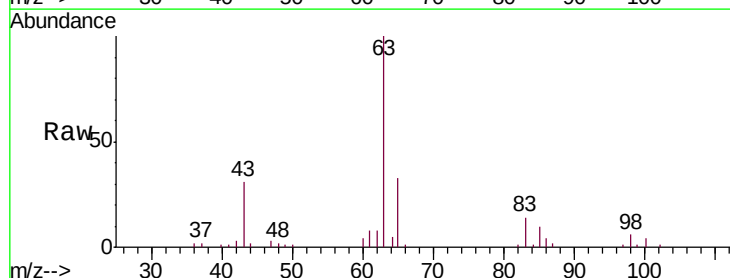
Tgt Ion: 63 Resp: 29409

Ion Ratio Lower Upper

63 100

98 6.3 3.5 10.5

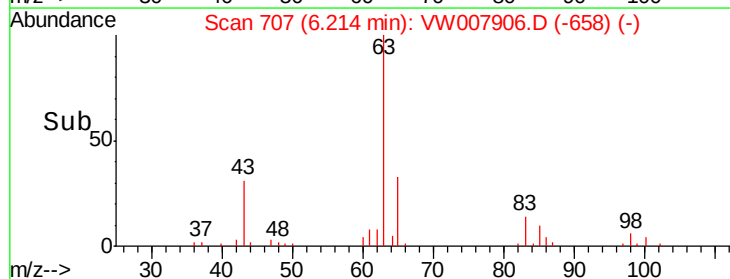
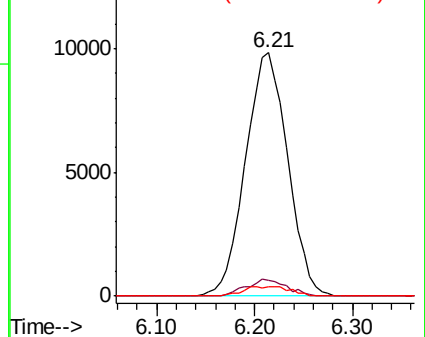
100 3.7 2.5 7.5

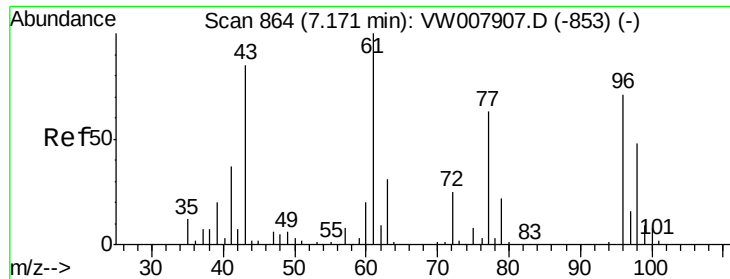


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 106.106 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW007906.D

Acq: 25 Dec 2018 00:04

Instrument :

MSVOA_W

ClientSampled :

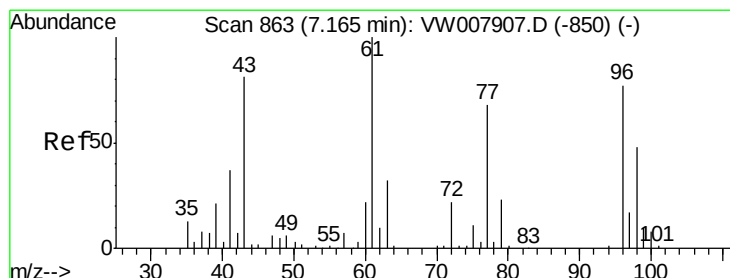
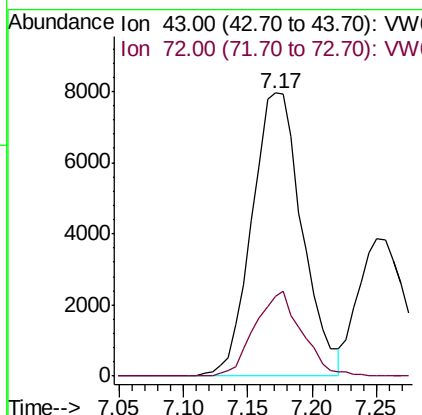
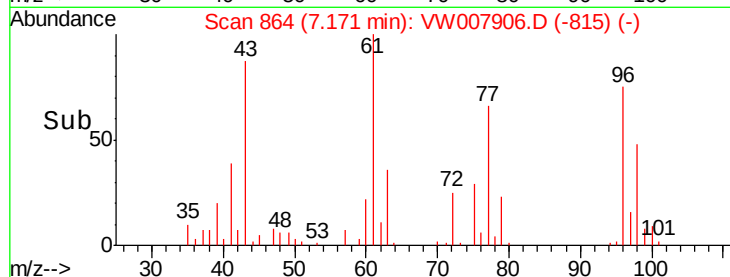
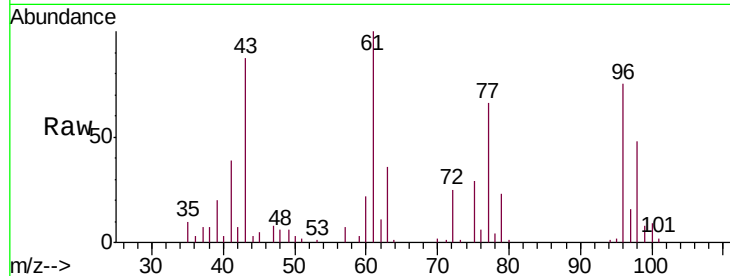
VSTDIC020

Tgt Ion: 43 Resp: 21547

Ion Ratio Lower Upper

43 100

72 28.3 23.2 34.8



#26

2,2-Dichloropropane

Concen: 17.914 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW007906.D

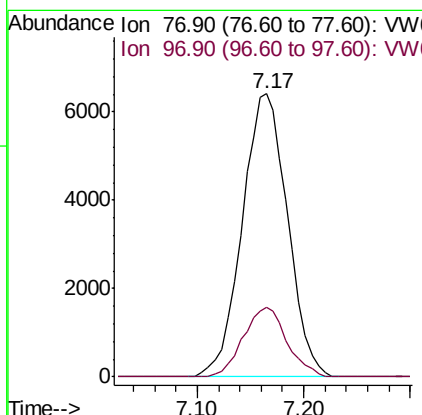
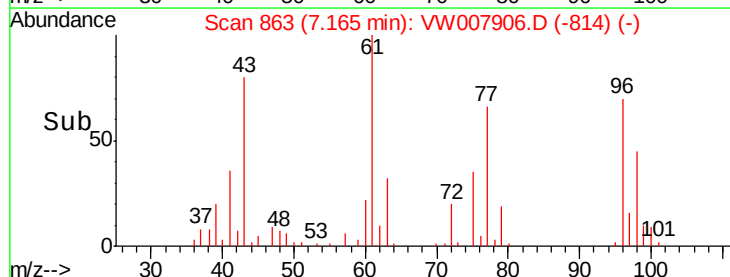
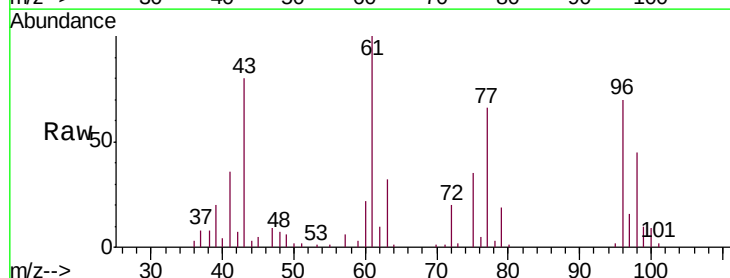
Acq: 25 Dec 2018 00:04

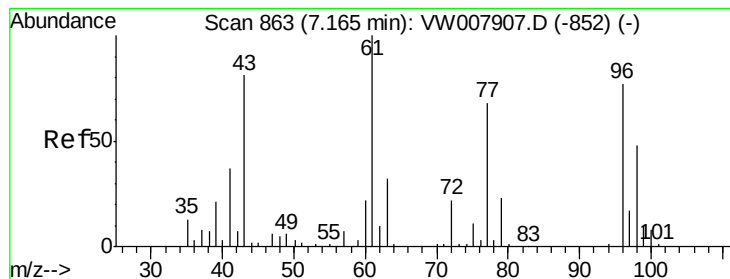
Tgt Ion: 77 Resp: 19112

Ion Ratio Lower Upper

77 100

97 23.4 11.5 34.4



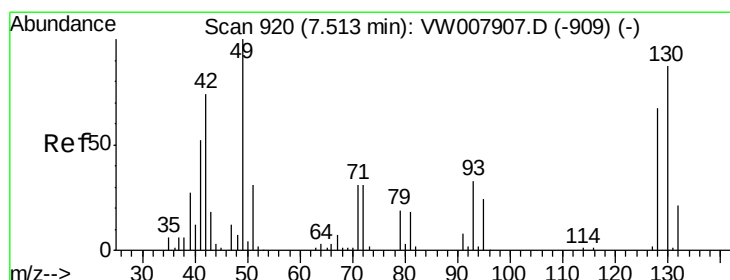
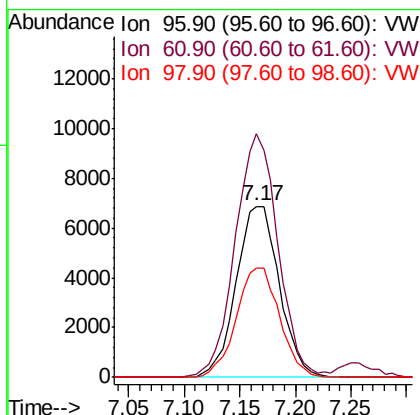
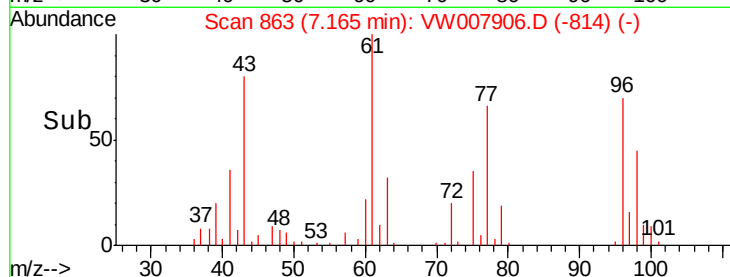
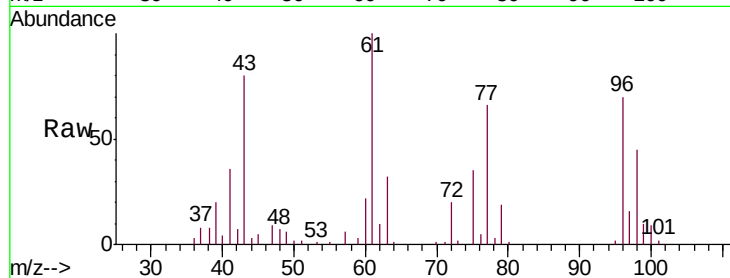


#27

cis-1,2-Dichloroethene
Concen: 19.332 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW007906.D
Acq: 25 Dec 2018 00:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

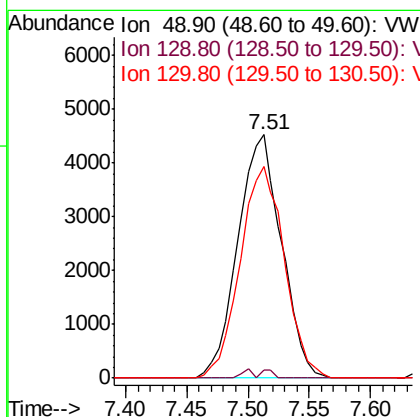
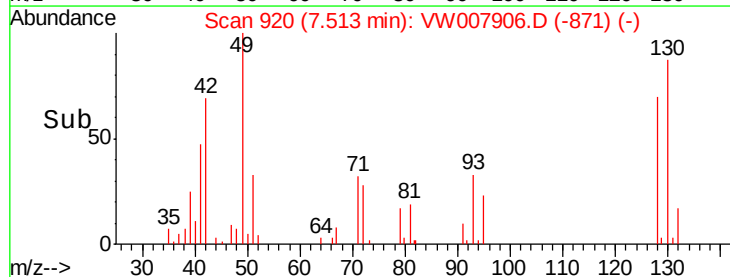
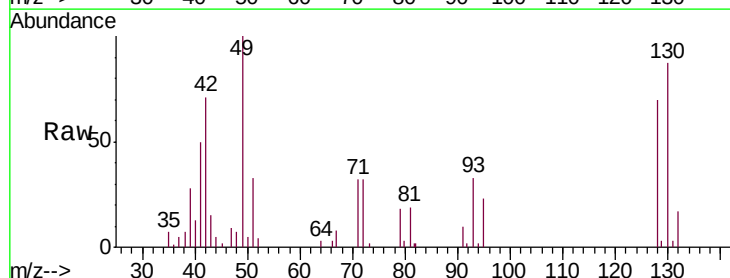
Tgt Ion: 96 Resp: 18511
Ion Ratio Lower Upper
96 100
61 140.4 0.0 279.4
98 64.1 0.0 126.8

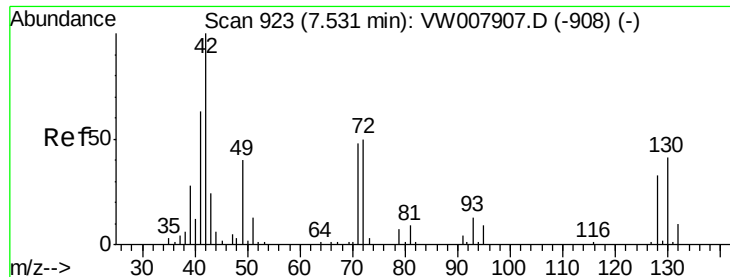


#28

Bromochloromethane
Concen: 21.937 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW007906.D
Acq: 25 Dec 2018 00:04

Tgt Ion: 49 Resp: 11189
Ion Ratio Lower Upper
49 100
129 1.0 0.0 1.4
130 88.3 70.7 106.1





#29

Tetrahydrofuran

Concen: 116.258 ug/l

RT: 7.52 min Scan# 922

Delta R.T. -0.01 min

Lab File: VW007906.D

Acq: 25 Dec 2018 00:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

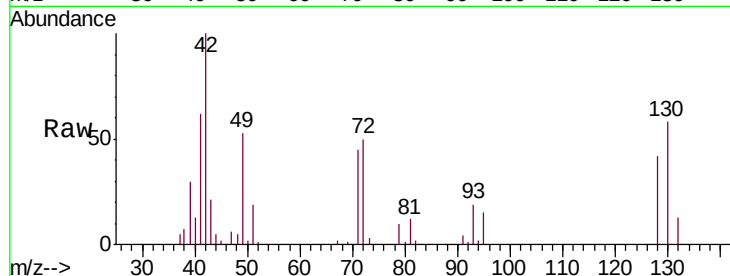
Tgt Ion: 42 Resp: 14264

Ion Ratio Lower Upper

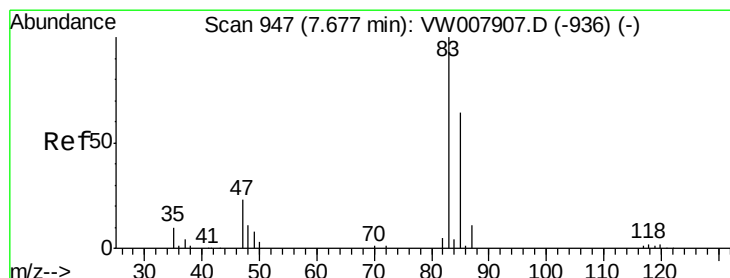
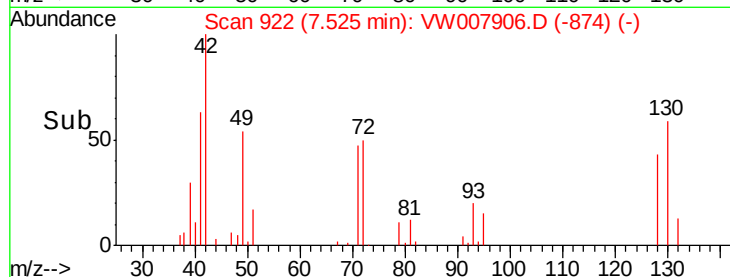
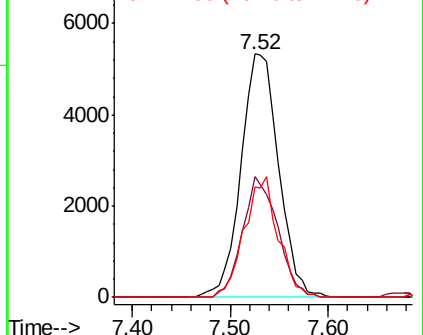
42 100

72 46.3 37.8 56.8

71 44.5 35.8 53.6



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: 19.246 ug/l

RT: 7.67 min Scan# 946

Delta R.T. -0.01 min

Lab File: VW007906.D

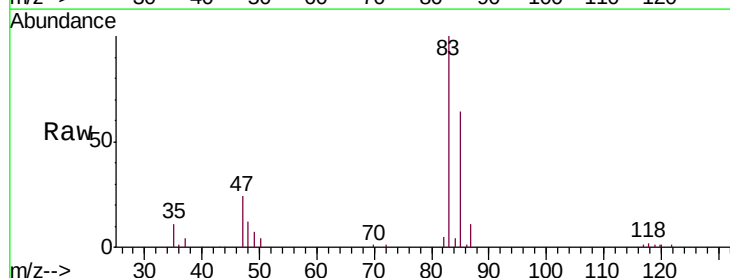
Acq: 25 Dec 2018 00:04

Tgt Ion: 83 Resp: 31999

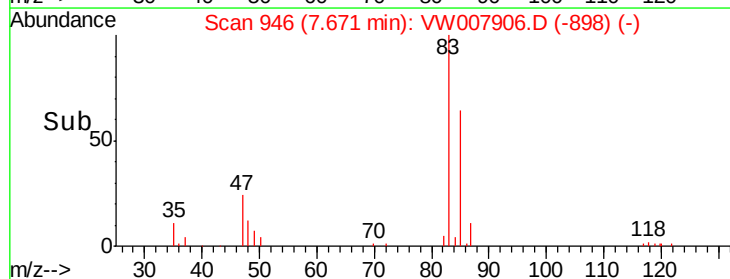
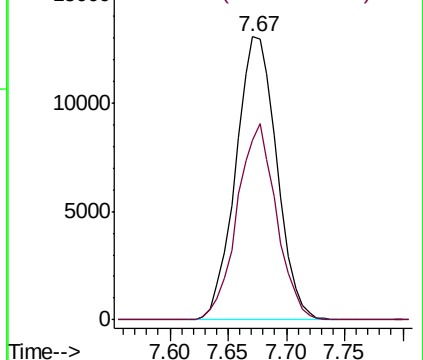
Ion Ratio Lower Upper

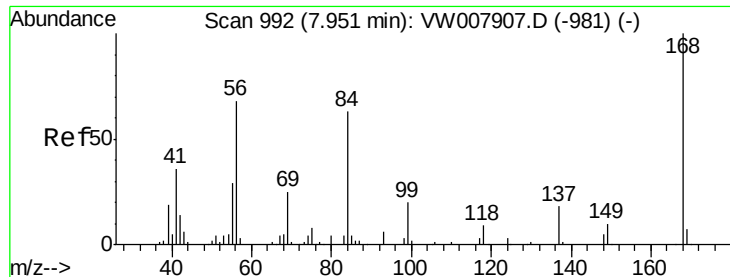
83 100

85 63.6 51.3 76.9



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

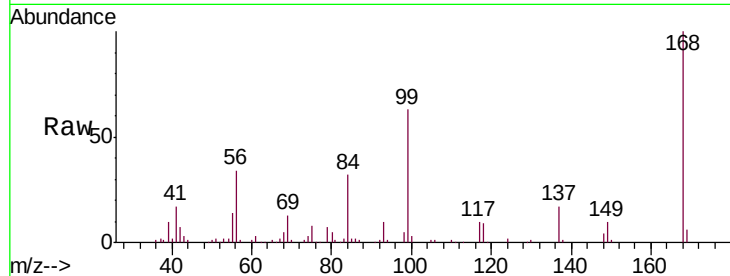




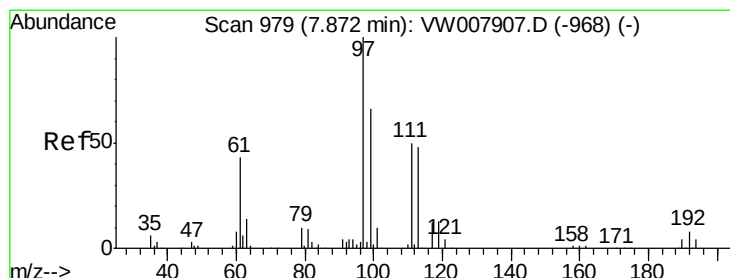
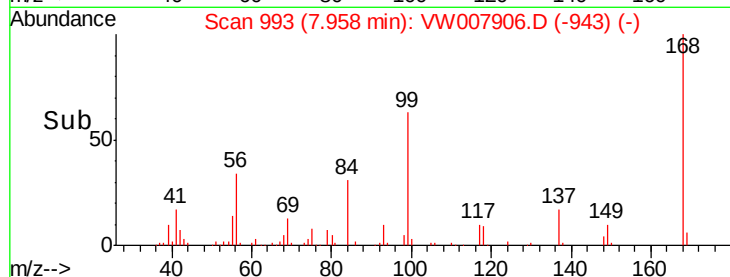
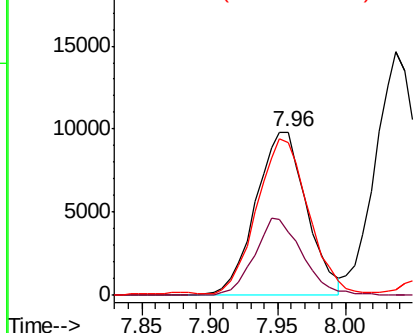
#31
Cyclohexane
Concen: 19.081 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.01 min
Lab File: VW007906.D
Acq: 25 Dec 2018 00:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion: 56 Resp: 25802
Ion Ratio Lower Upper
56 100
69 38.5 29.9 44.9
84 91.3 74.5 111.7

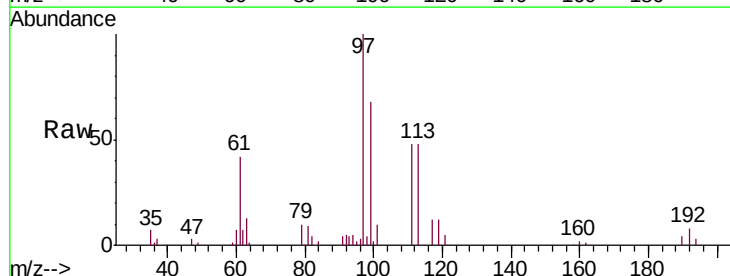


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

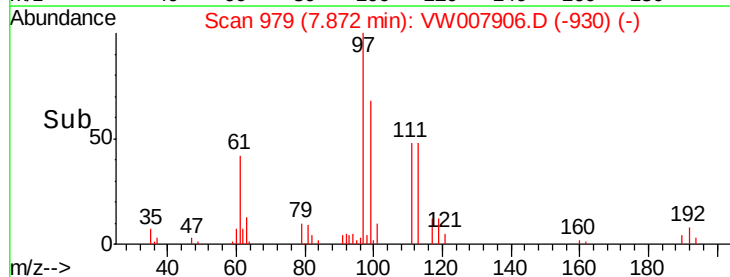
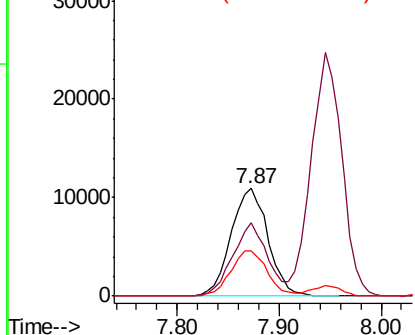


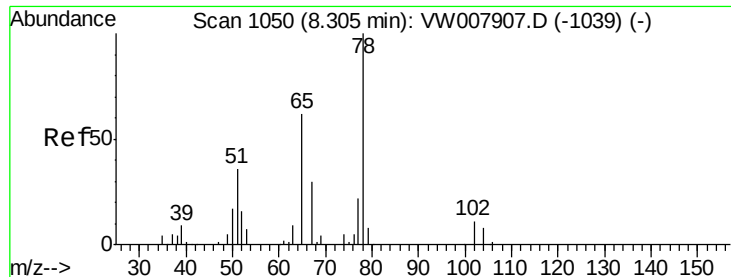
#32
1,1,1-Trichloroethane
Concen: 18.280 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW007906.D
Acq: 25 Dec 2018 00:04

Tgt Ion: 97 Resp: 27449
Ion Ratio Lower Upper
97 100
99 62.9 52.7 79.1
61 41.9 33.3 49.9



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

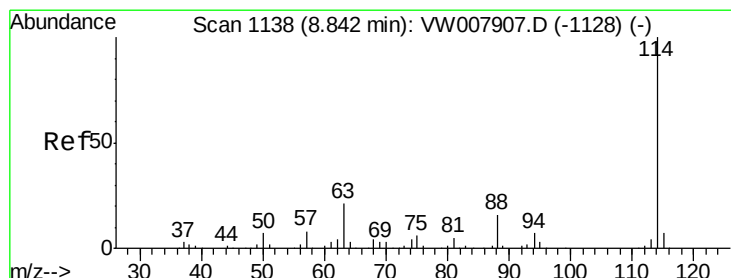
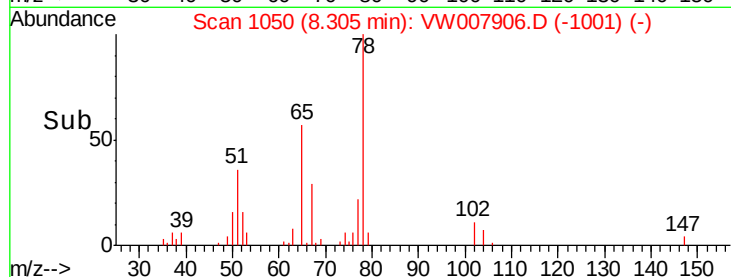
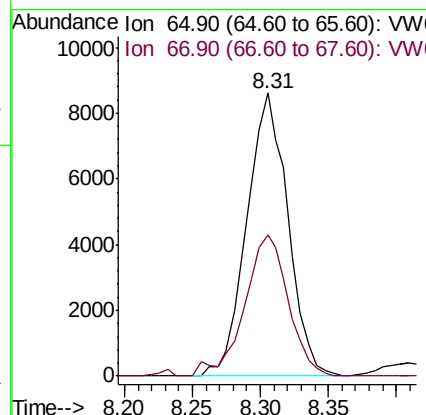
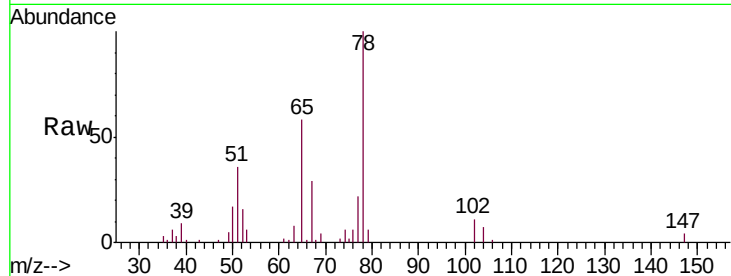




#33
 1,2-Dichloroethane-d4
 Concen: 19.801 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW007906.D
 Acq: 25 Dec 2018 00:04

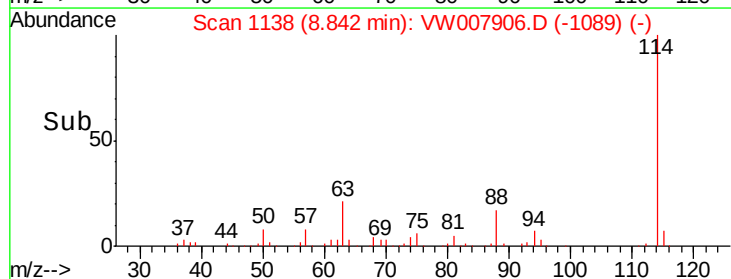
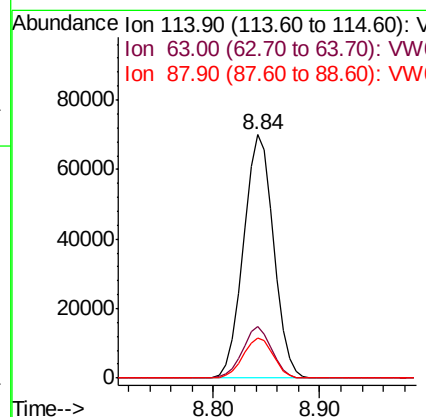
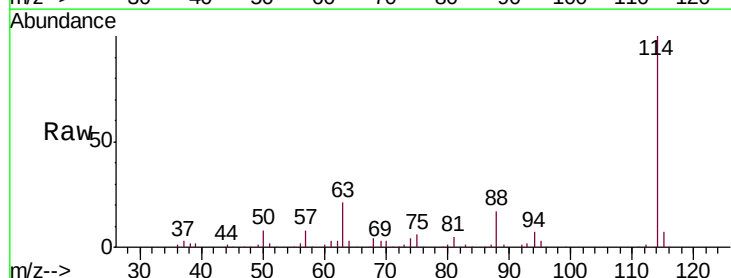
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

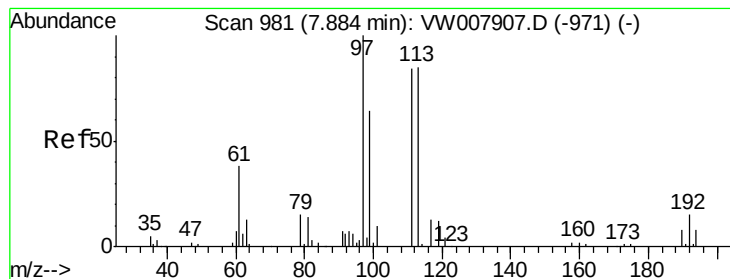
Tgt Ion: 65 Resp: 18169
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 98.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW007906.D
 Acq: 25 Dec 2018 00:04

Tgt Ion: 114 Resp: 139028
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 41.4
 88 16.7 0.0 32.4





#35

Dibromofluoromethane

Concen: 18.717 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW007906.D

Acq: 25 Dec 2018 00:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

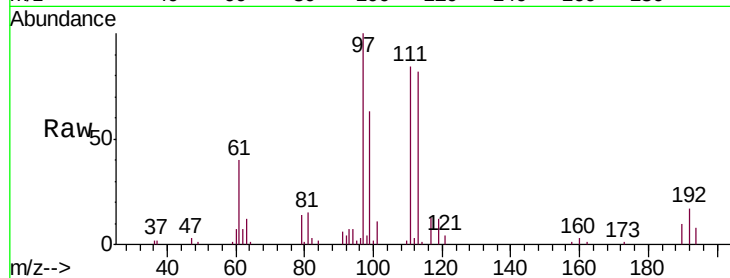
Tgt Ion: 113 Resp: 16009

Ion Ratio Lower Upper

113 100

111 104.1 81.9 122.9

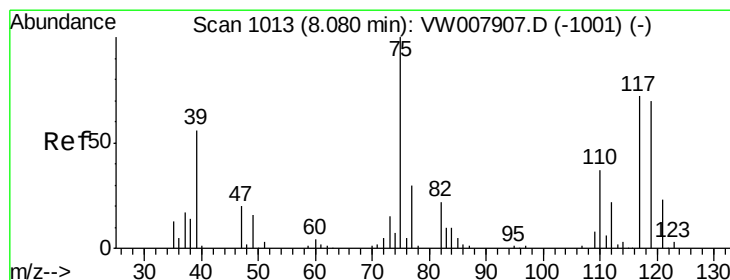
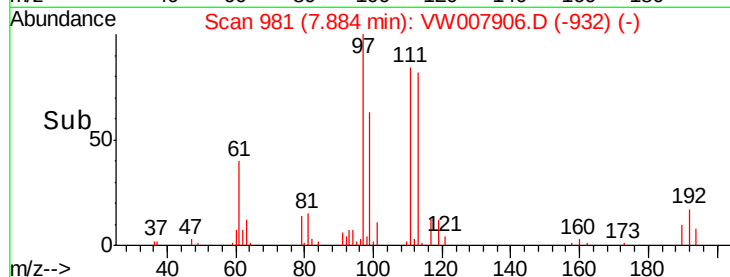
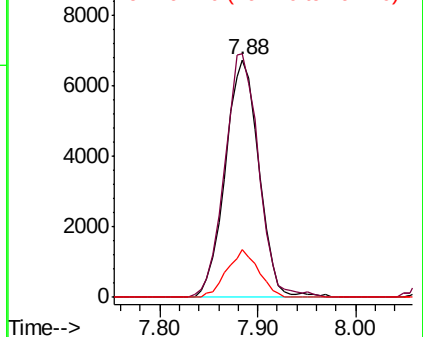
192 18.9 14.9 22.3



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: 17.709 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. 0.01 min

Lab File: VW007906.D

Acq: 25 Dec 2018 00:04

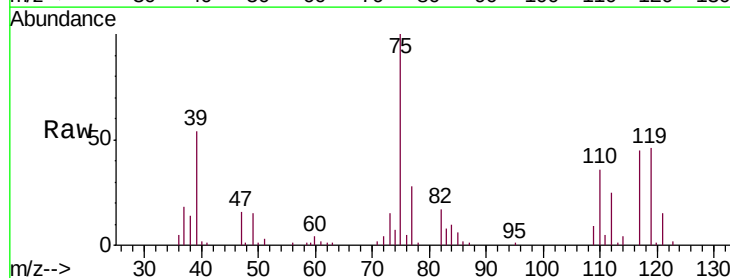
Tgt Ion: 75 Resp: 23689

Ion Ratio Lower Upper

75 100

110 36.7 18.2 54.6

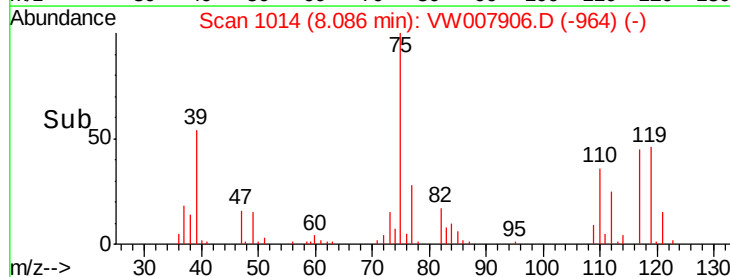
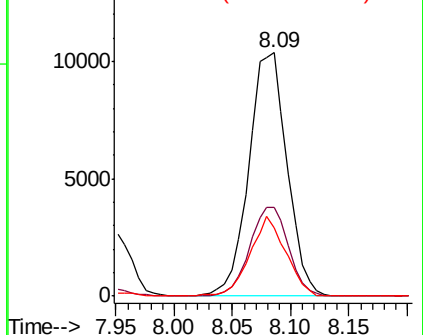
77 30.5 25.0 37.4

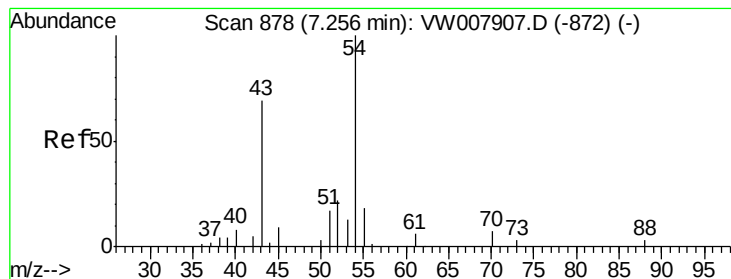


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 21.453 ug/l

RT: 7.25 min Scan# 877

Delta R.T. -0.01 min

Lab File: VW007906.D

Acq: 25 Dec 2018 00:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

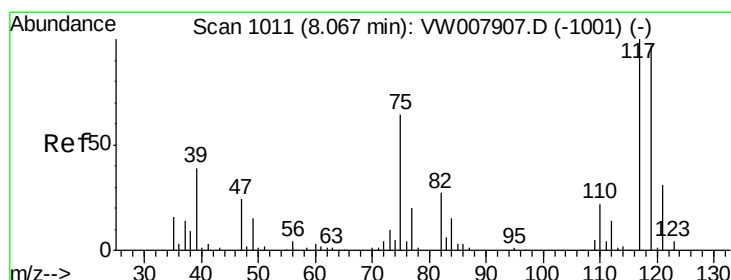
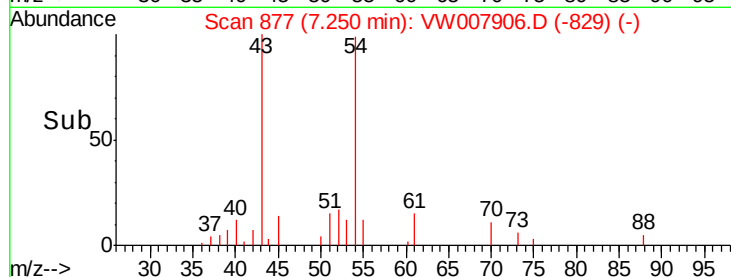
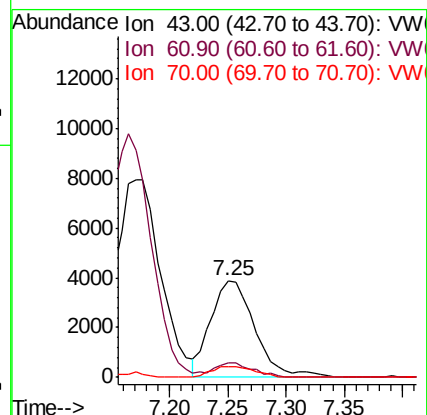
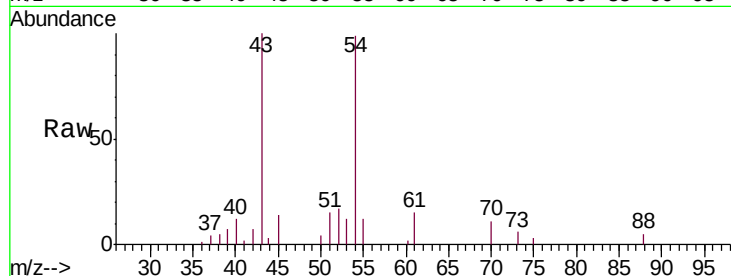
Tgt Ion: 43 Resp: 10184

Ion Ratio Lower Upper

43 100

61 12.4 10.6 16.0

70 11.0 9.0 13.4



#38

Carbon Tetrachloride

Concen: 15.901 ug/l

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW007906.D

Acq: 25 Dec 2018 00:04

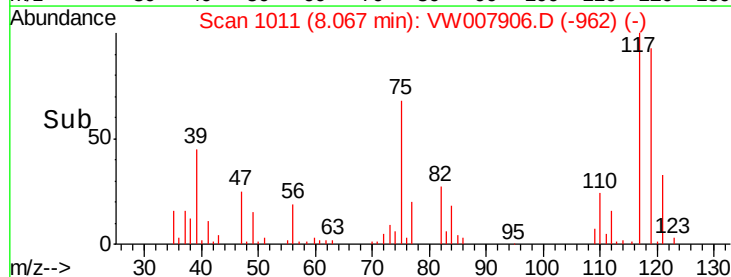
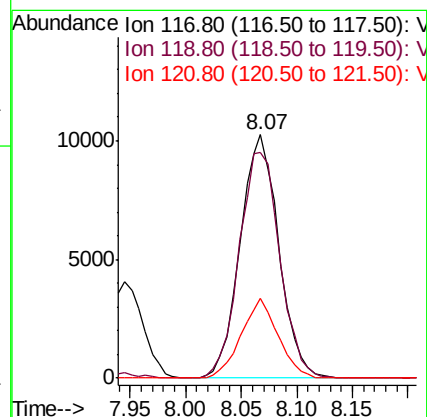
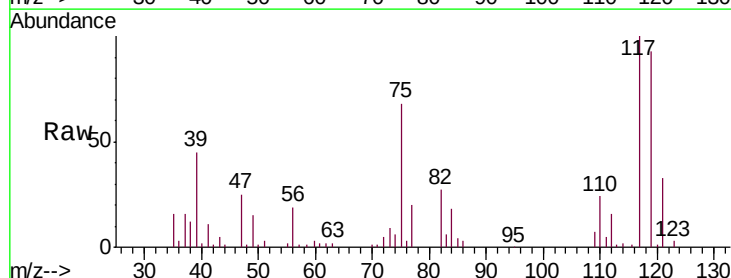
Tgt Ion: 117 Resp: 24627

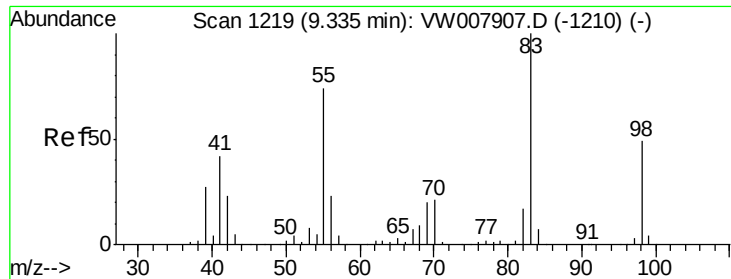
Ion Ratio Lower Upper

117 100

119 92.9 77.3 115.9

121 32.8 24.5 36.7

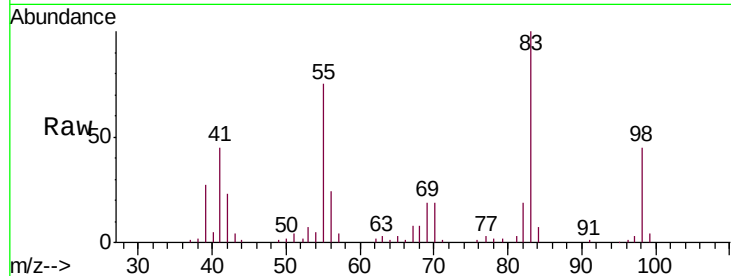




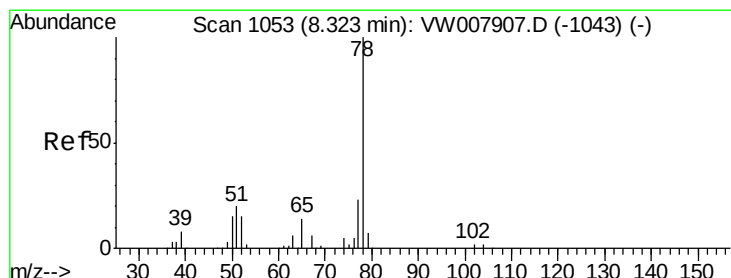
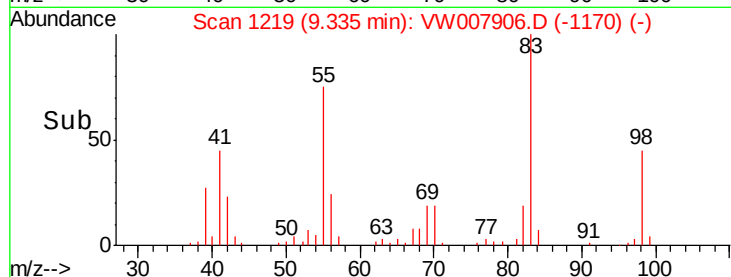
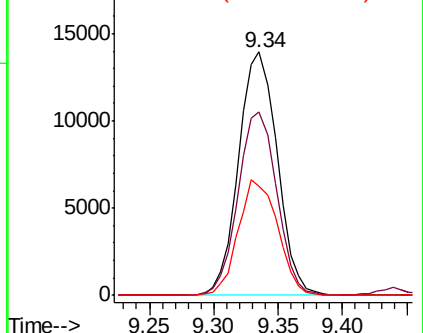
#39
Methylcyclohexane
Concen: 17.418 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW007906.D
Acq: 25 Dec 2018 00:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion: 83 Resp: 28991
Ion Ratio Lower Upper
83 100
55 75.2 59.1 88.7
98 44.9 39.2 58.8

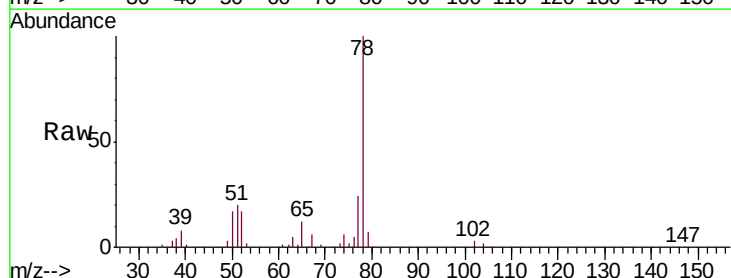


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

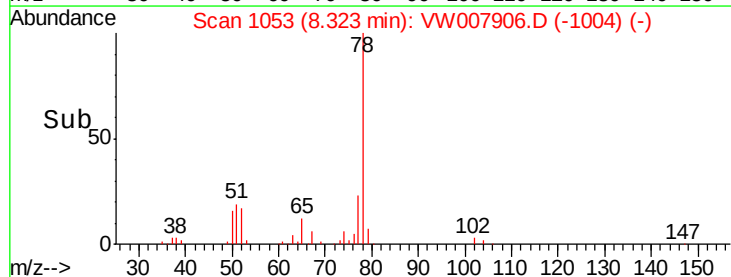
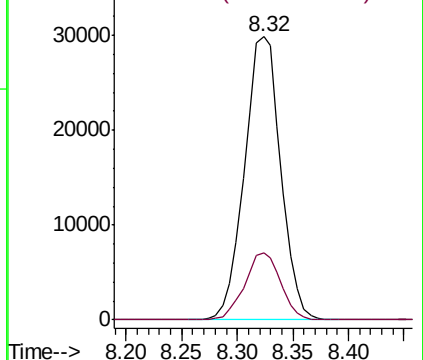


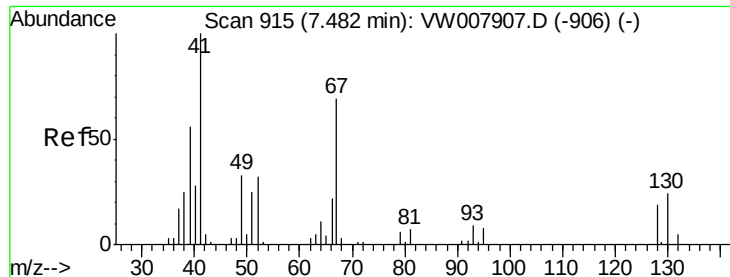
#40
Benzene
Concen: 18.735 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW007906.D
Acq: 25 Dec 2018 00:04

Tgt Ion: 78 Resp: 67491
Ion Ratio Lower Upper
78 100
77 23.6 18.6 28.0



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

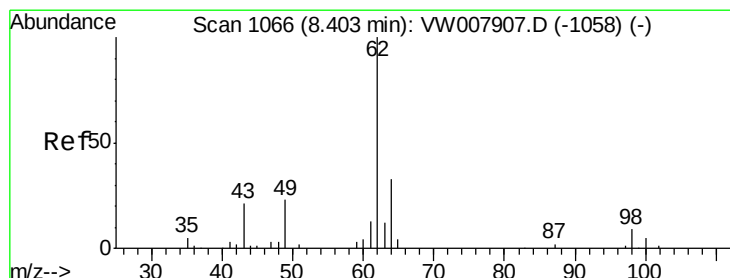
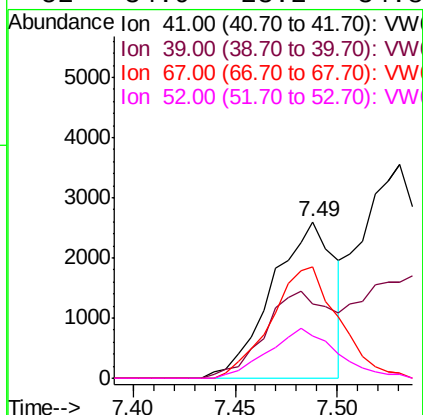
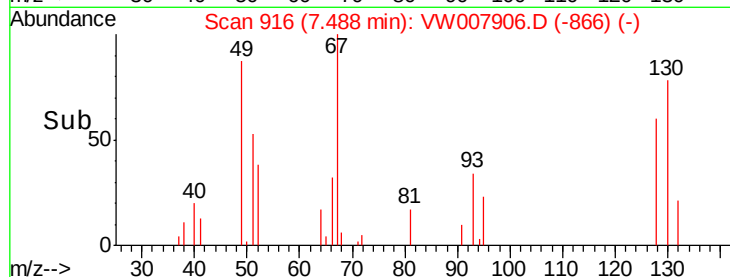
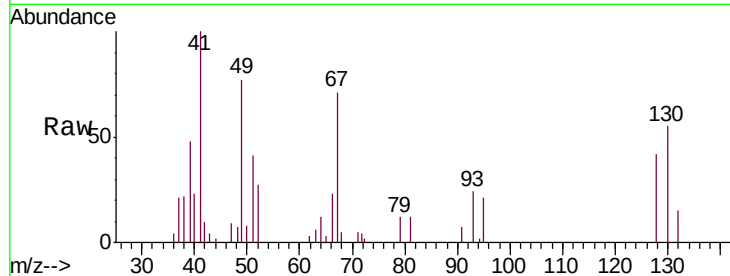




#41
Methacrylonitrile
Concen: 20.063 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW007906.D
Acq: 25 Dec 2018 00:04

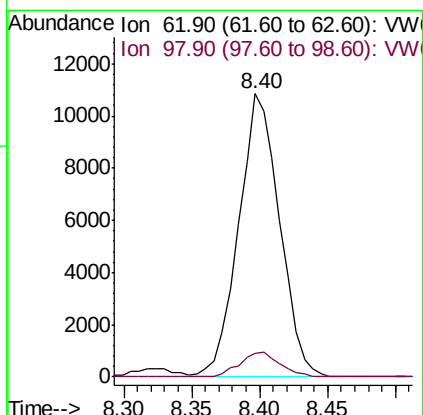
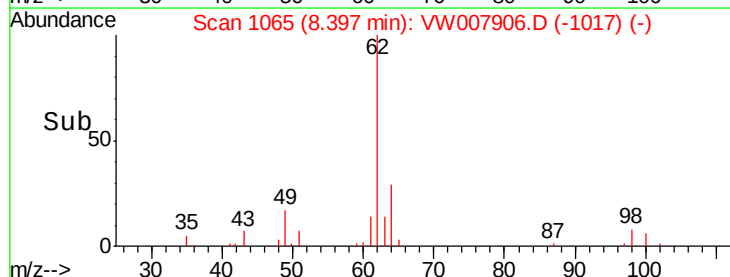
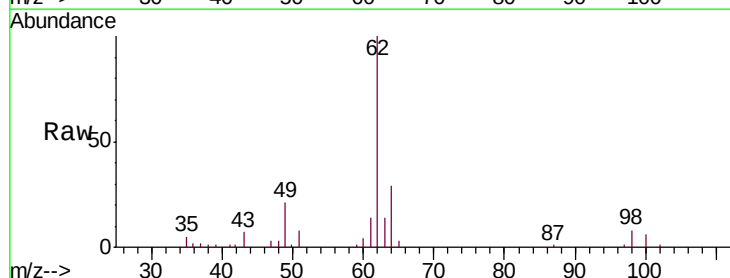
Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

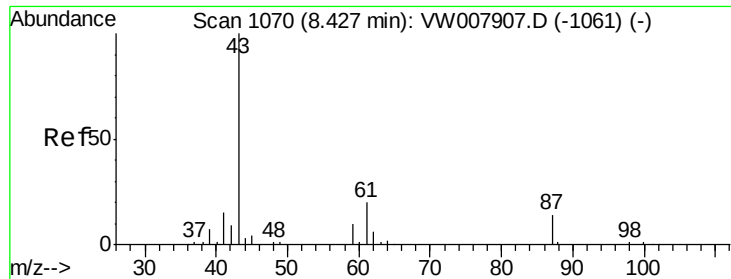
Tgt Ion: 41 Resp: 5578
Ion Ratio Lower Upper
41 100
39 59.1 45.0 67.4
67 76.6 53.9 80.9
52 34.9 23.2 34.8#



#42
1,2-Dichloroethane
Concen: 18.947 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW007906.D
Acq: 25 Dec 2018 00:04

Tgt Ion: 62 Resp: 22794
Ion Ratio Lower Upper
62 100
98 8.5 0.0 17.0





#43

Isopropyl Acetate

Concen: 20.744 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW007906.D

Acq: 25 Dec 2018 00:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

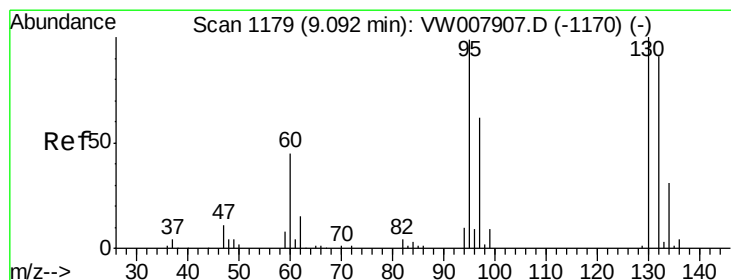
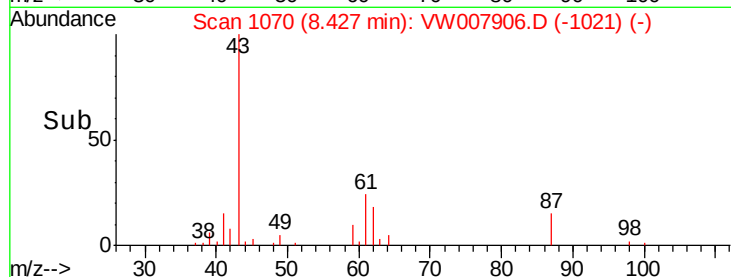
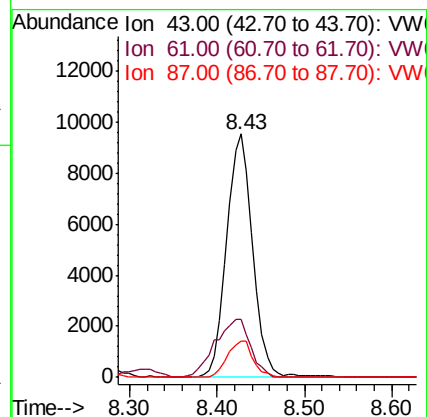
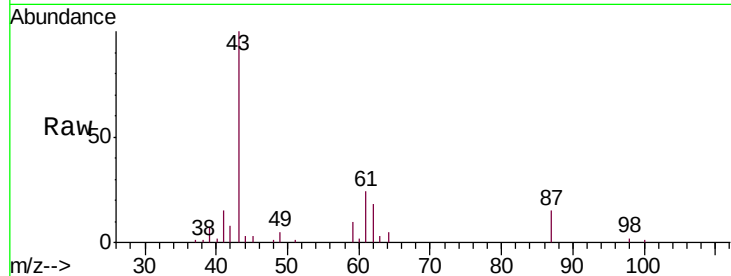
Tgt Ion: 43 Resp: 19761

Ion Ratio Lower Upper

43 100

61 32.2 24.2 36.2

87 14.8 11.2 16.8



#44

Trichloroethene

Concen: 17.755 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW007906.D

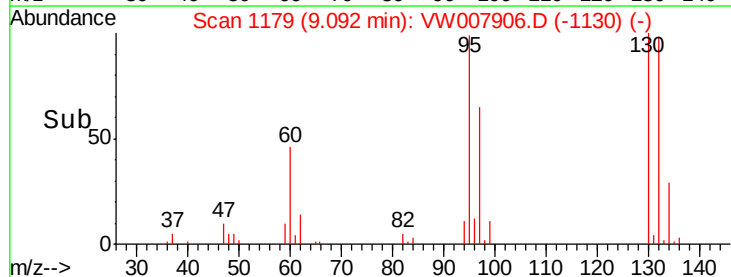
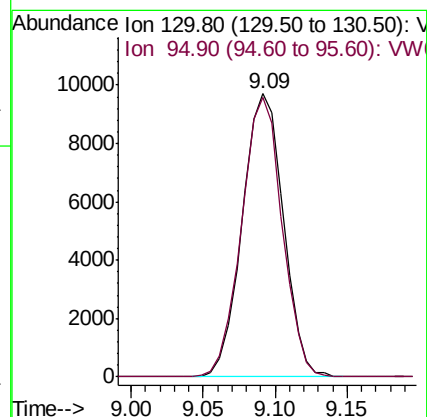
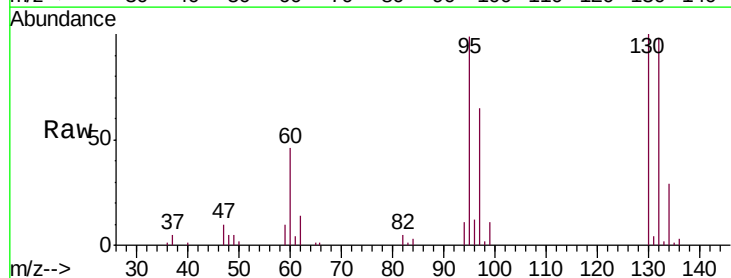
Acq: 25 Dec 2018 00:04

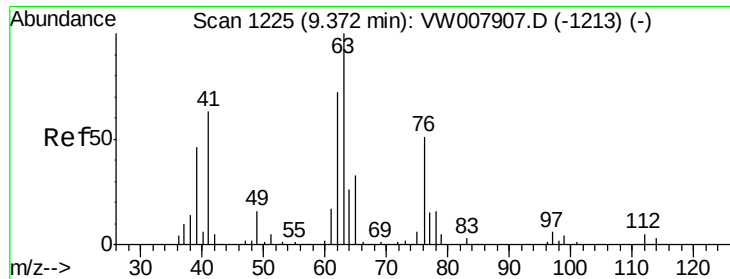
Tgt Ion: 130 Resp: 19127

Ion Ratio Lower Upper

130 100

95 99.0 0.0 197.4

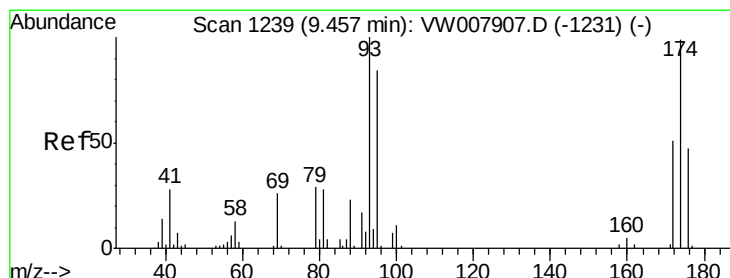
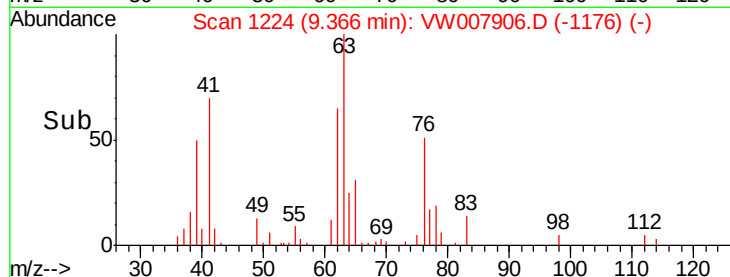
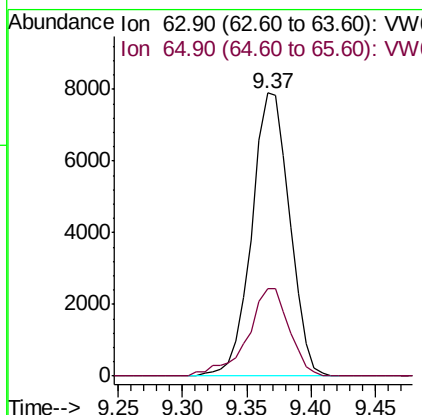
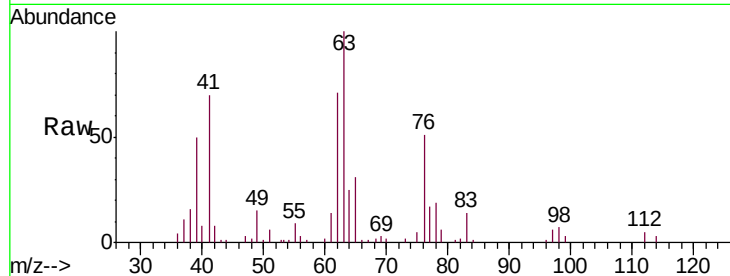




#45
 1,2-Dichloropropane
 Concen: 19.903 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: VW007906.D
 Acq: 25 Dec 2018 00:04

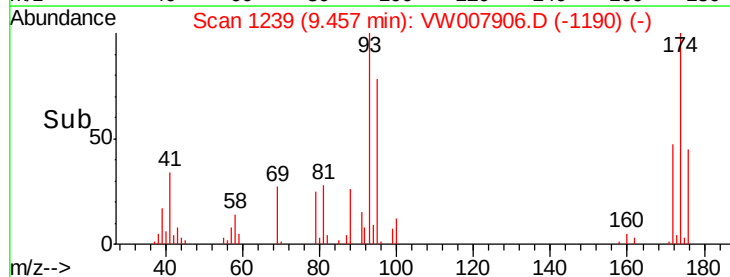
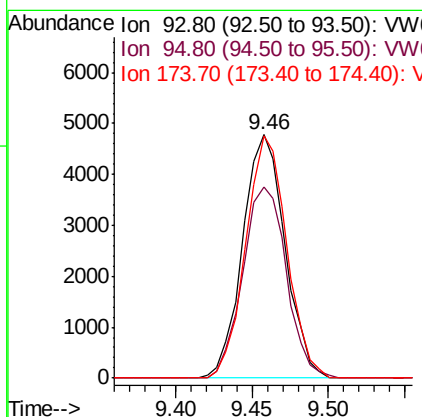
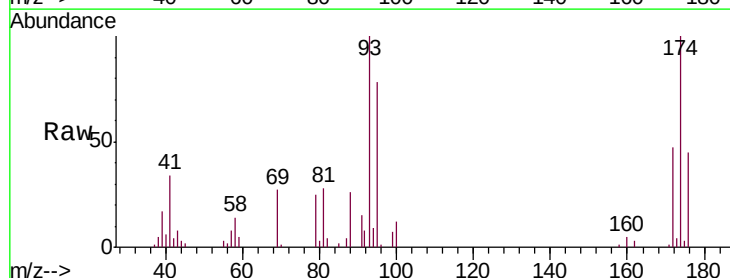
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

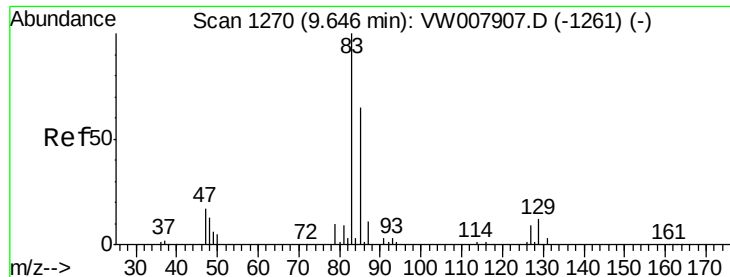
Tgt Ion: 63 Resp: 16061
 Ion Ratio Lower Upper
 63 100
 65 31.0 26.4 39.6



#46
 Dibromomethane
 Concen: 18.794 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW007906.D
 Acq: 25 Dec 2018 00:04

Tgt Ion: 93 Resp: 9198
 Ion Ratio Lower Upper
 93 100
 95 80.8 66.6 100.0
 174 96.4 81.0 121.4





#47

Bromodichloromethane

Concen: 17.764 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW007906.D

Acq: 25 Dec 2018 00:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

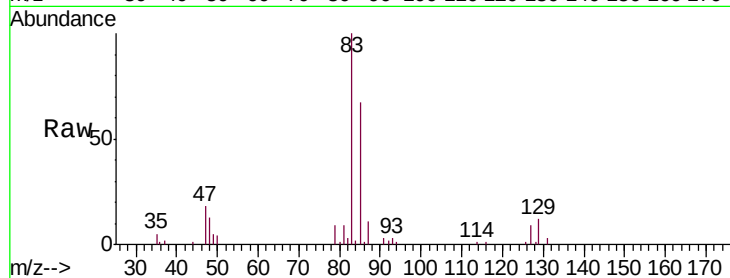
Tgt Ion: 83 Resp: 22831

Ion Ratio Lower Upper

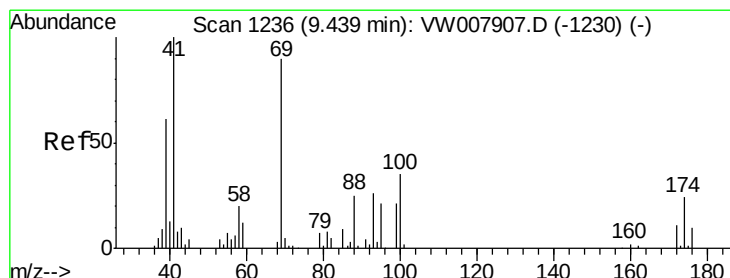
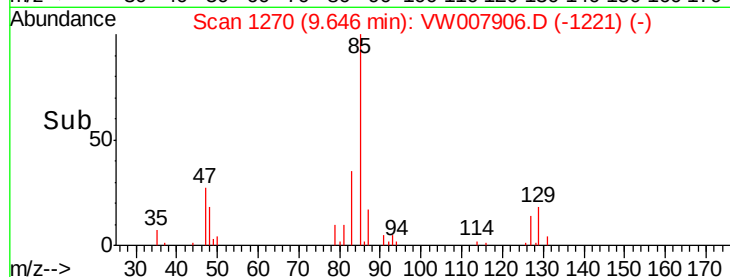
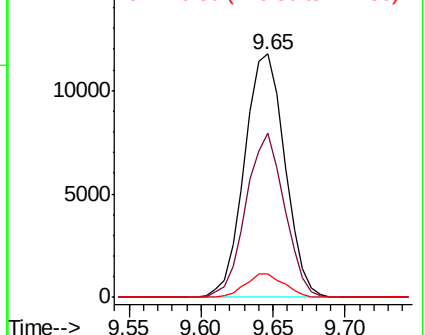
83 100

85 67.2 52.2 78.4

127 9.4 6.8 10.2



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: 20.327 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VW007906.D

Acq: 25 Dec 2018 00:04

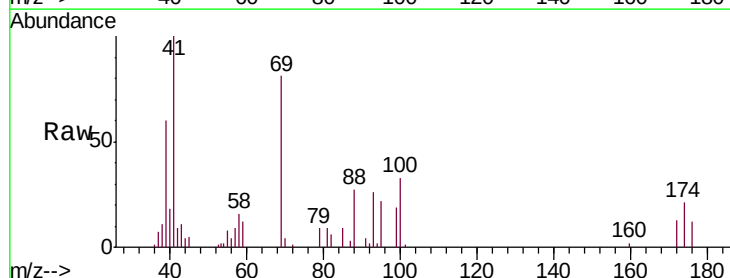
Tgt Ion: 41 Resp: 9696

Ion Ratio Lower Upper

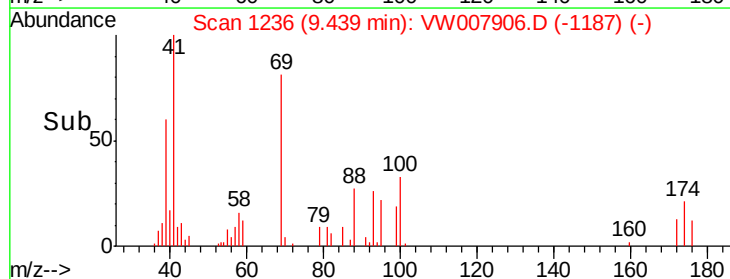
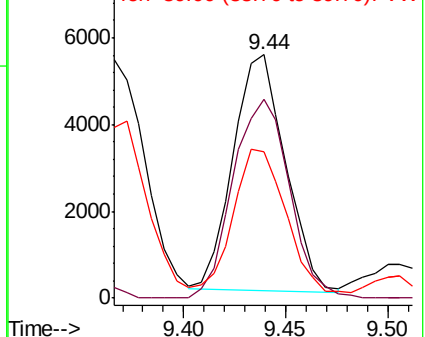
41 100

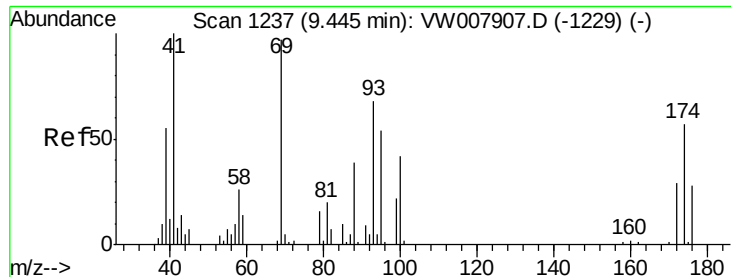
69 90.9 70.4 105.6

39 66.4 51.7 77.5



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

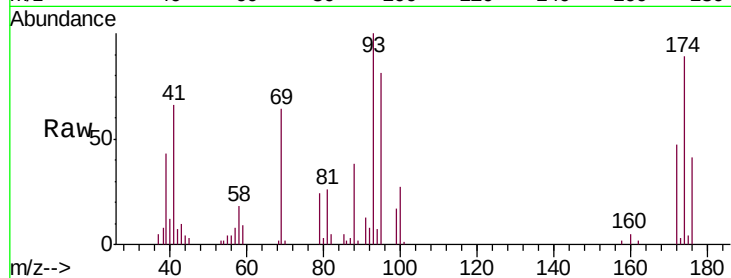




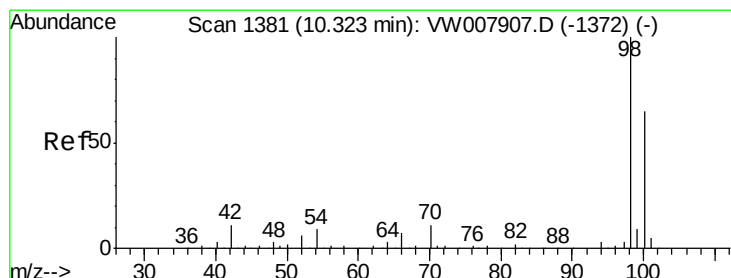
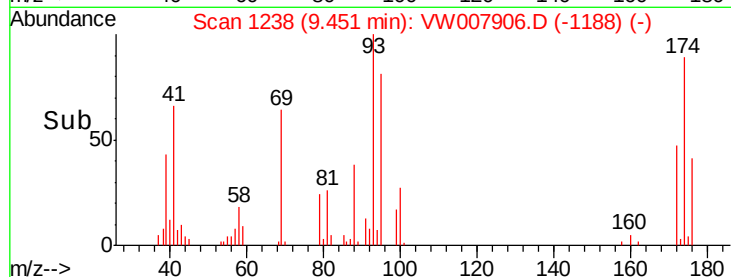
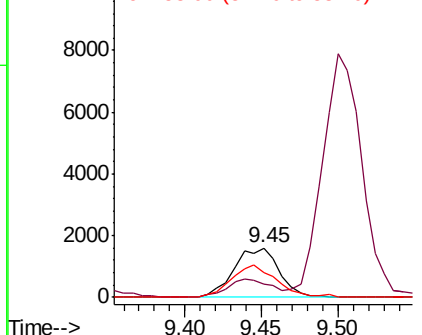
#49
 1,4-Dioxane
 Concen: 418.033 ug/l
 RT: 9.45 min Scan# 1238
 Delta R.T. 0.01 min
 Lab File: VW007906.D
 Acq: 25 Dec 2018 00:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tgt Ion: 88 Resp: 3275
 Ion Ratio Lower Upper
 88 100
 43 35.4 30.9 46.3
 58 65.7 55.4 83.0

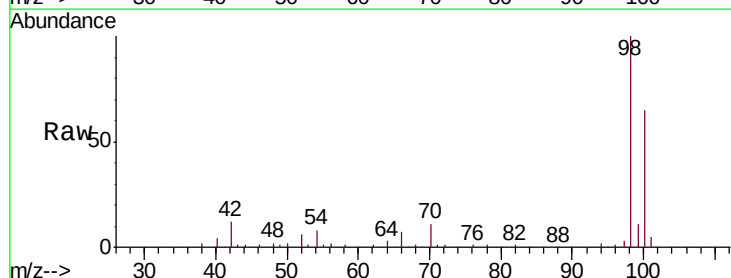


Abundance Ion 88.00 (87.70 to 88.70): VW
 Ion 43.00 (42.70 to 43.70): VW
 Ion 58.00 (57.70 to 58.70): VW

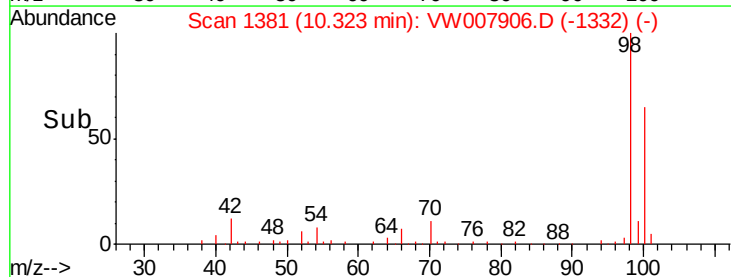
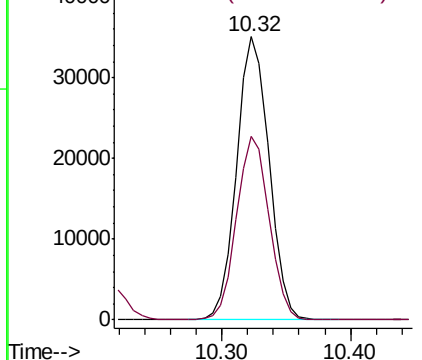


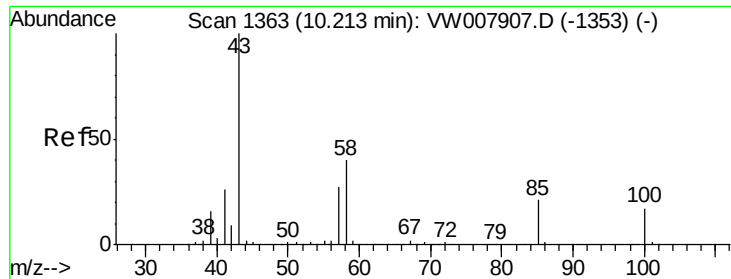
#50
 Toluene-d8
 Concen: 18.897 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. 0.00 min
 Lab File: VW007906.D
 Acq: 25 Dec 2018 00:04

Tgt Ion: 98 Resp: 61085
 Ion Ratio Lower Upper
 98 100
 100 65.1 52.6 78.8



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: 104.987 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW007906.D

Acq: 25 Dec 2018 00:04

Instrument :

MSVOA_W

ClientSampled :

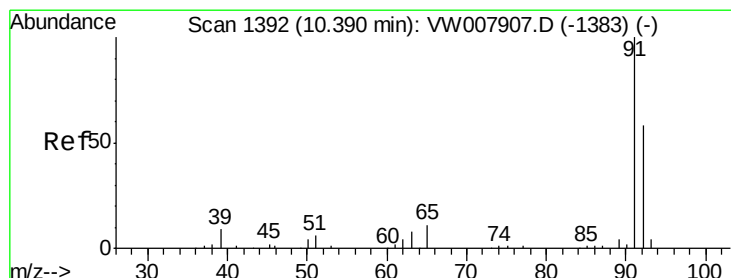
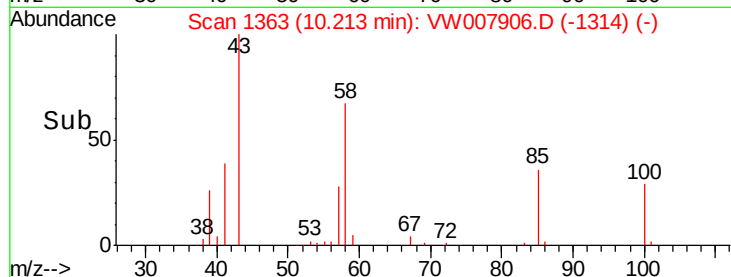
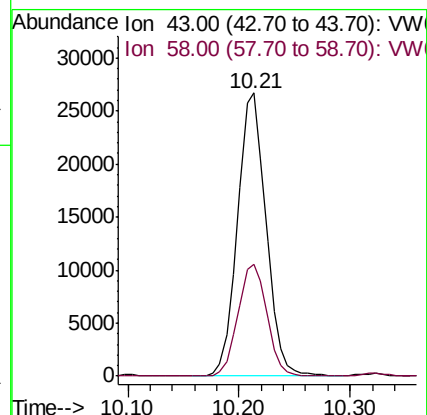
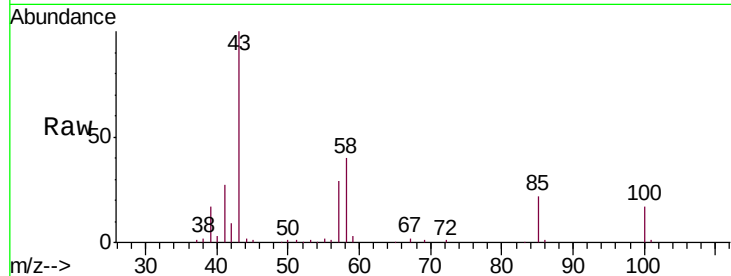
VSTDIC020

Tgt Ion: 43 Resp: 47559

Ion Ratio Lower Upper

43 100

58 39.6 31.6 47.4



#52

Toluene

Concen: 18.465 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW007906.D

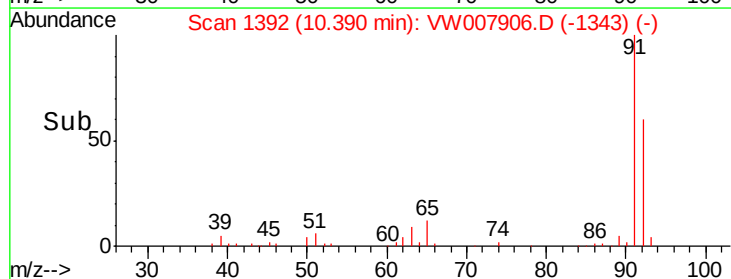
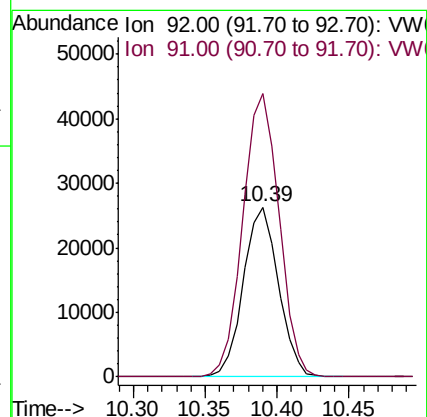
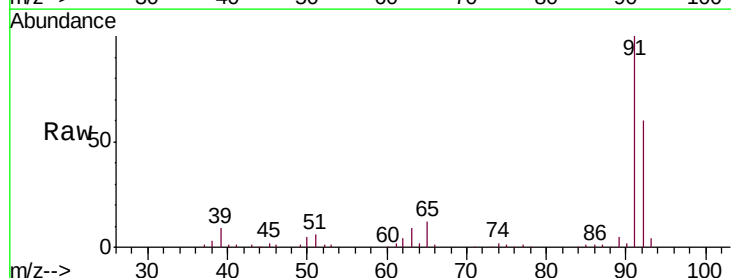
Acq: 25 Dec 2018 00:04

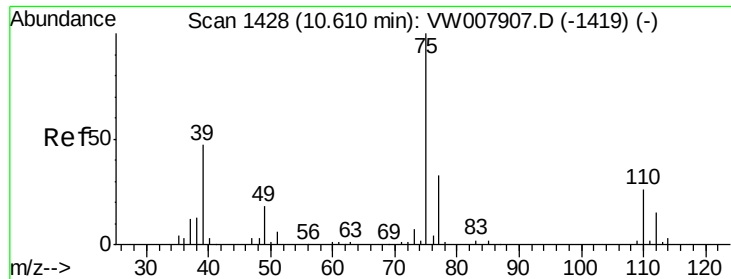
Tgt Ion: 92 Resp: 44492

Ion Ratio Lower Upper

92 100

91 172.4 138.0 207.0





#53

t-1,3-Dichloropropene

Concen: 18.210 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW007906.D

Acq: 25 Dec 2018 00:04

Instrument :

MSVOA_W

ClientSampleId :

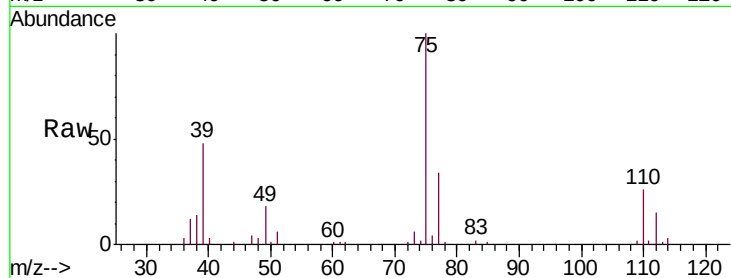
VSTDIC020

Tgt Ion: 75 Resp: 23431

Ion Ratio Lower Upper

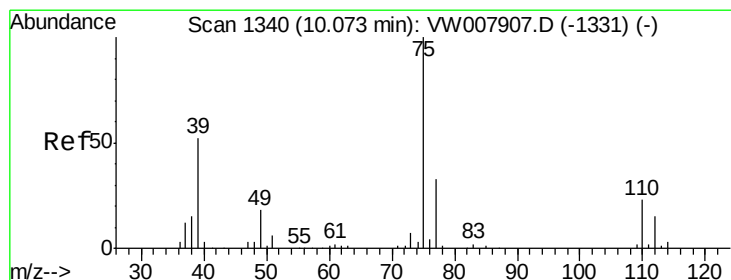
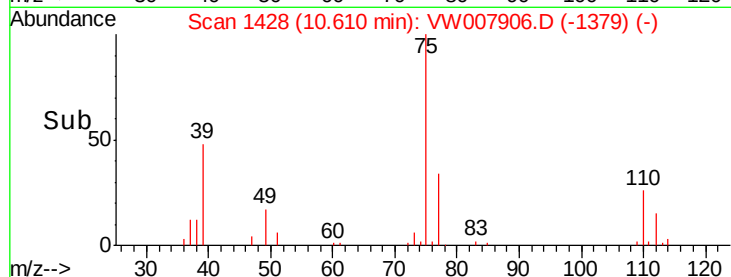
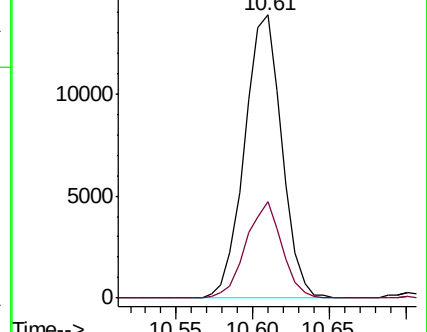
75 100

77 34.0 26.4 39.6



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: 18.393 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW007906.D

Acq: 25 Dec 2018 00:04

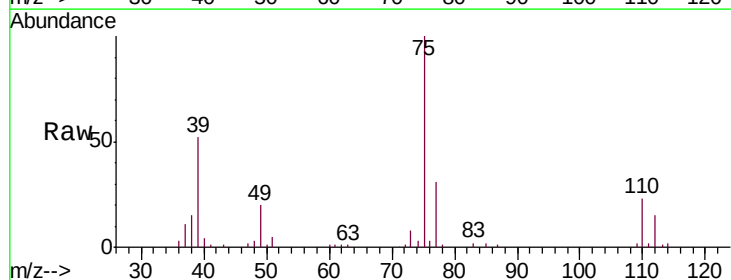
Tgt Ion: 75 Resp: 26142

Ion Ratio Lower Upper

75 100

77 31.0 26.2 39.2

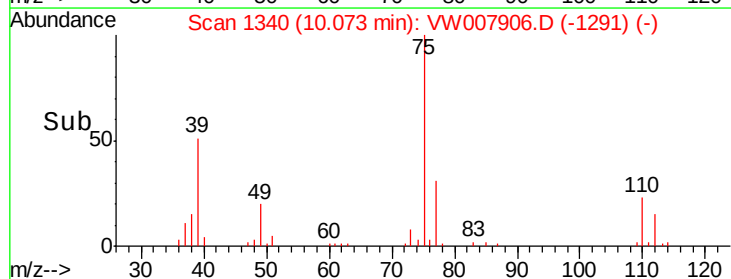
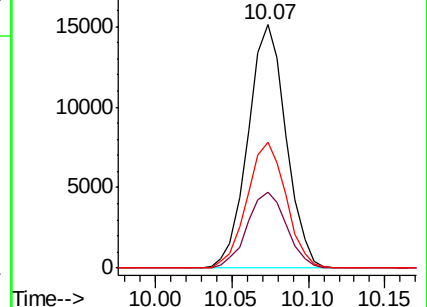
39 51.9 41.8 62.6

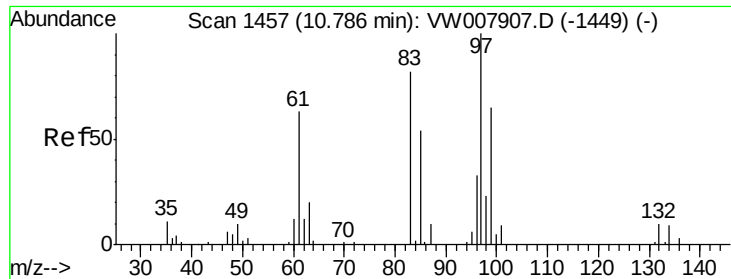


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW





#55

1,1,2-Trichloroethane

Concen: 18.815 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW007906.D

Acq: 25 Dec 2018 00:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tgt Ion: 97 Resp: 12826

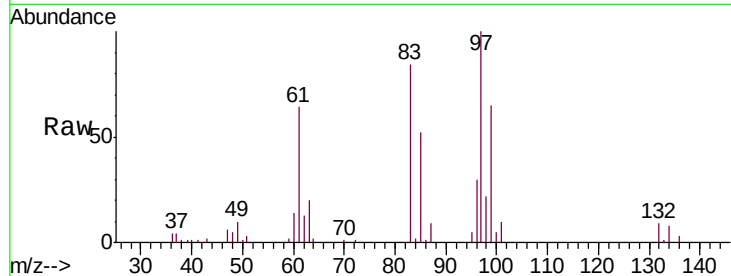
Ion Ratio Lower Upper

97 100

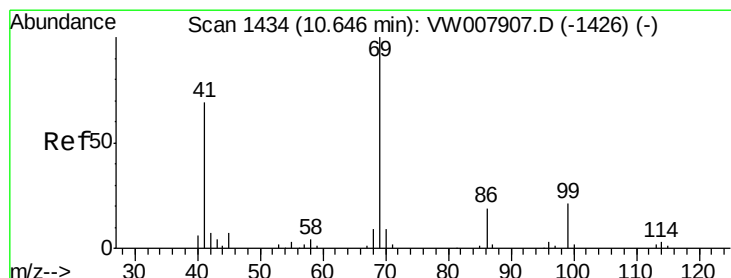
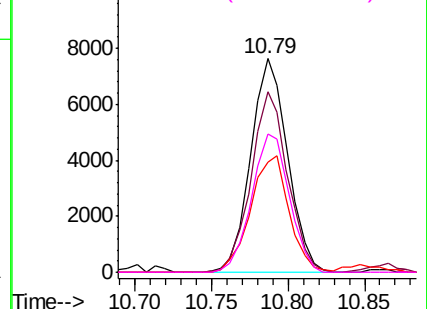
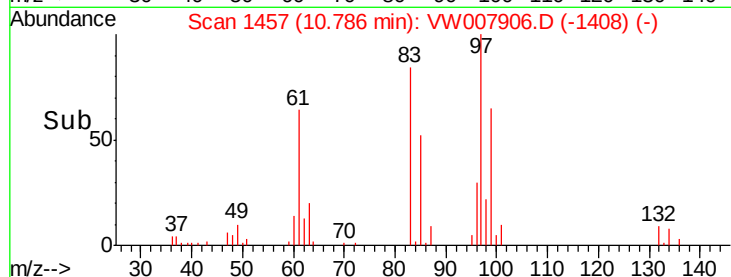
83 84.3 65.8 98.6

85 51.7 43.5 65.3

99 64.9 51.8 77.6



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: 19.649 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW007906.D

Acq: 25 Dec 2018 00:04

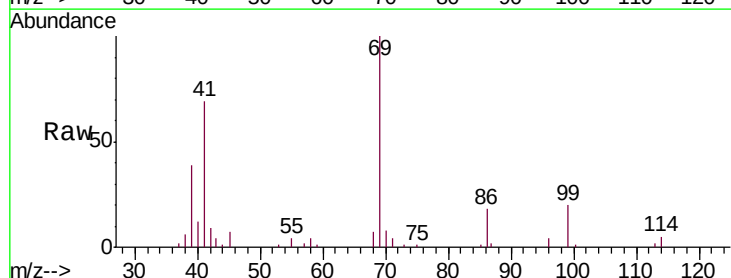
Tgt Ion: 69 Resp: 15875

Ion Ratio Lower Upper

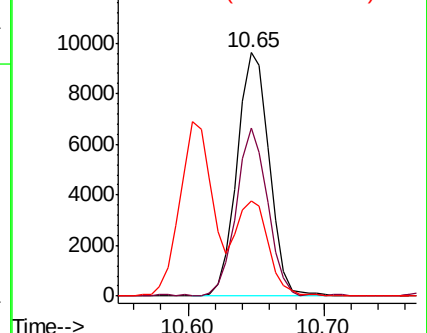
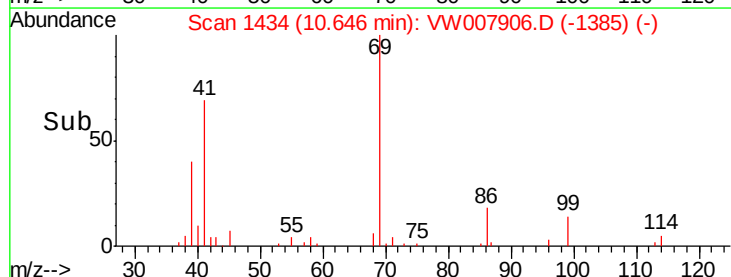
69 100

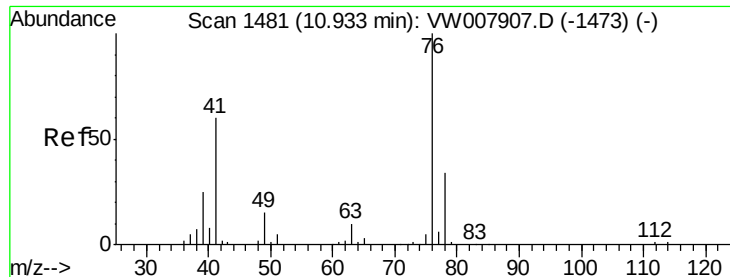
41 67.3 54.0 81.0

39 39.4 31.1 46.7



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: 19.556 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW007906.D

Acq: 25 Dec 2018 00:04

Instrument :

MSVOA_W

ClientSampled :

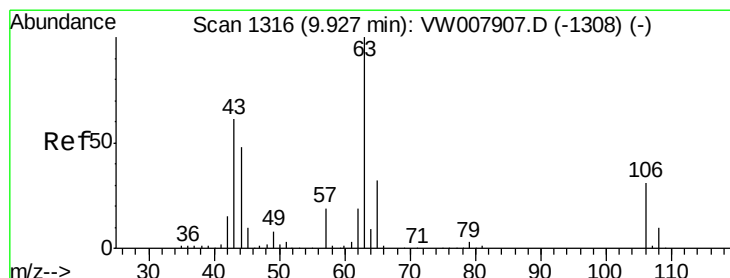
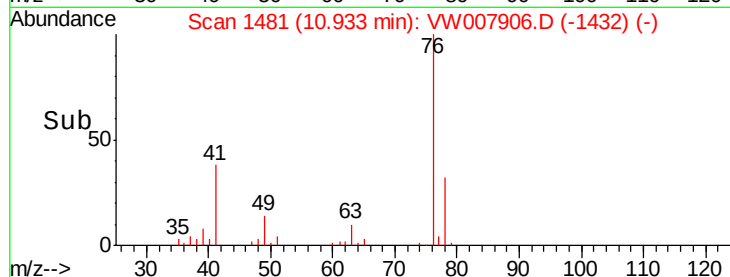
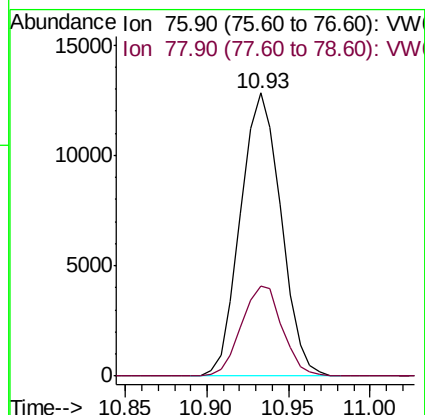
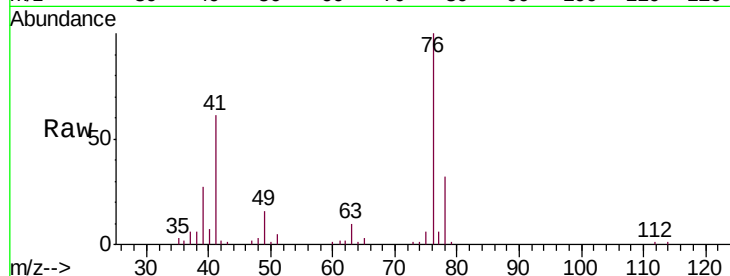
VSTDIC020

Tgt Ion: 76 Resp: 22233

Ion Ratio Lower Upper

76 100

78 32.0 25.5 38.3



#58

2-Chloroethyl Vinyl ether

Concen: 104.498 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VW007906.D

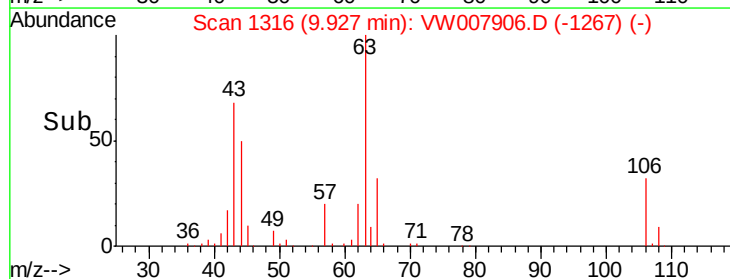
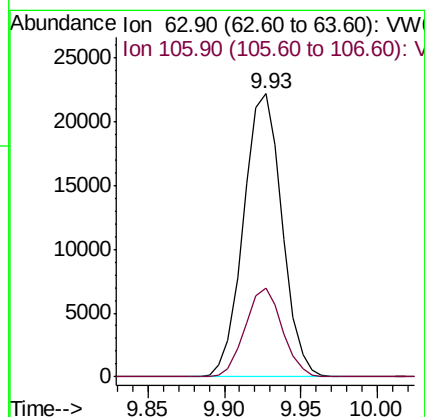
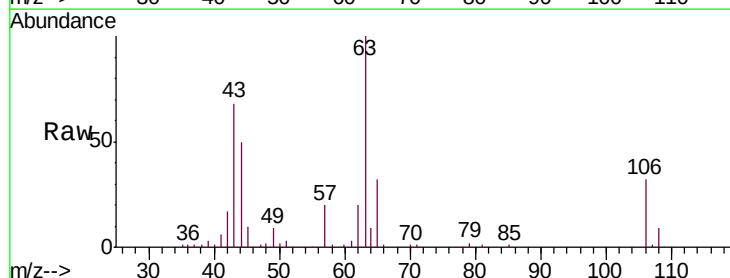
Acq: 25 Dec 2018 00:04

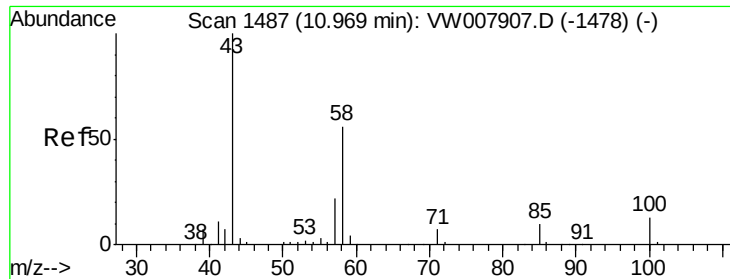
Tgt Ion: 63 Resp: 38852

Ion Ratio Lower Upper

63 100

106 30.2 24.8 37.2





#59

2-Hexanone

Concen: 102.970 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW007906.D

Acq: 25 Dec 2018 00:04

Instrument :

MSVOA_W

ClientSampleId :

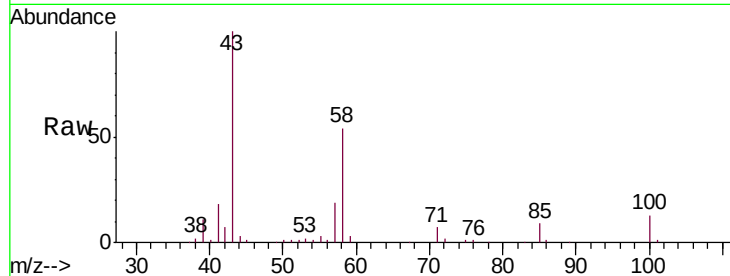
VSTDIC020

Tgt Ion: 43 Resp: 32672

Ion Ratio Lower Upper

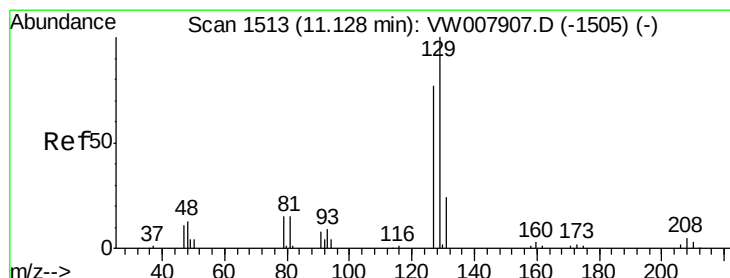
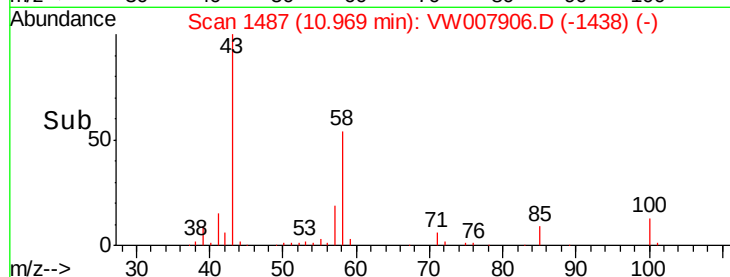
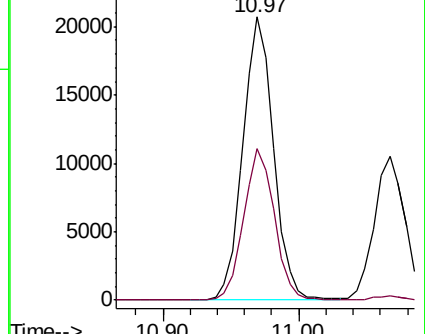
43 100

58 53.4 27.4 82.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#60

Dibromochloromethane

Concen: 16.859 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW007906.D

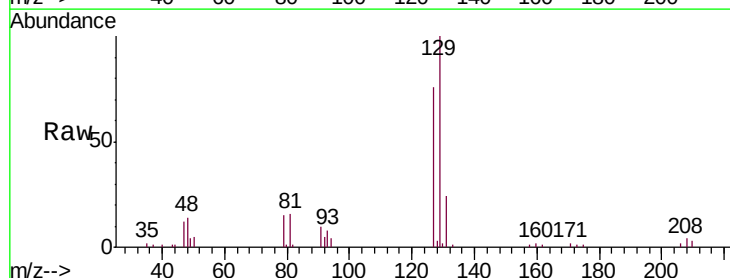
Acq: 25 Dec 2018 00:04

Tgt Ion: 129 Resp: 14964

Ion Ratio Lower Upper

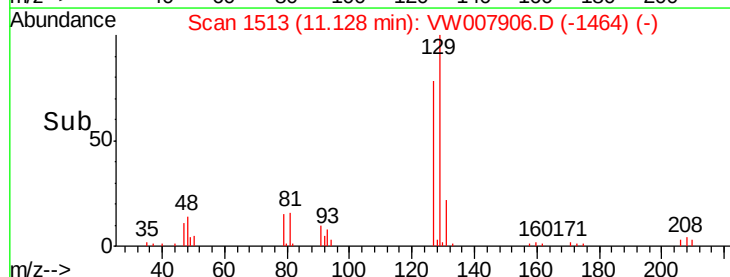
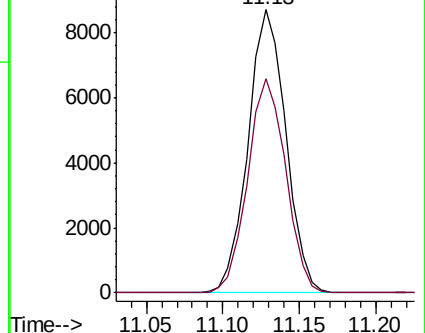
129 100

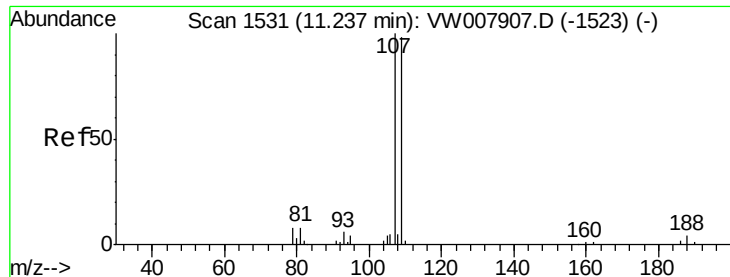
127 76.1 38.0 113.9



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

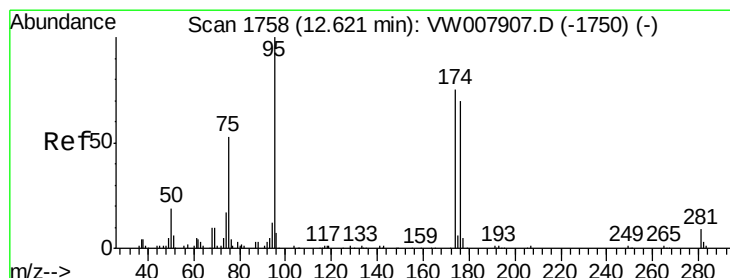
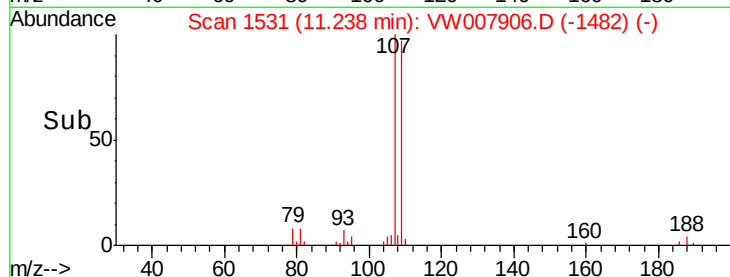
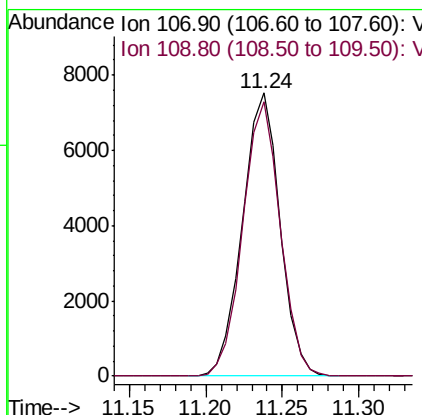
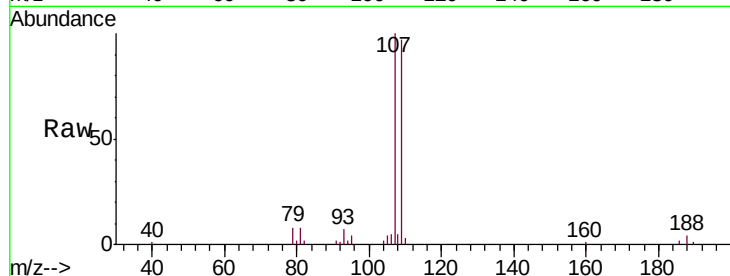




#61
 1,2-Dibromoethane
 Concen: 18.623 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW007906.D
 Acq: 25 Dec 2018 00:04

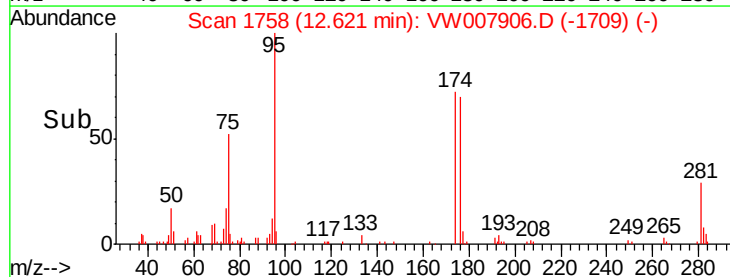
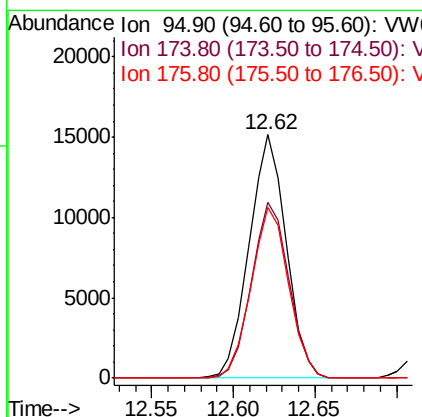
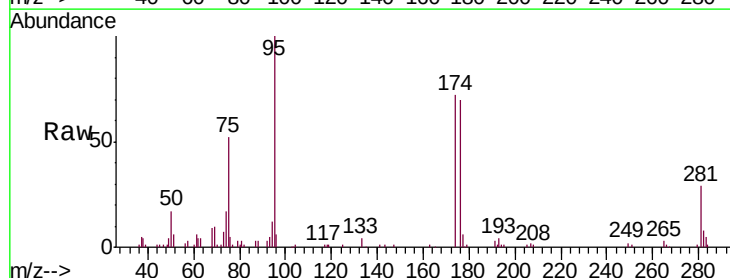
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

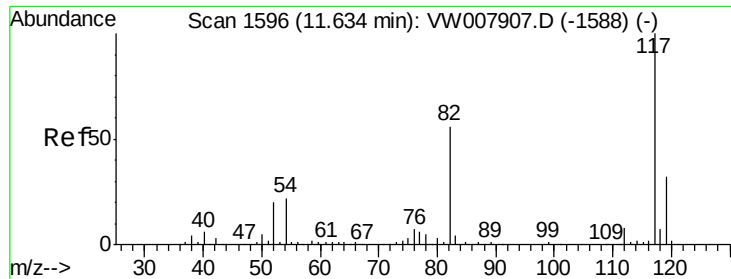
Tgt Ion: 107 Resp: 12830
 Ion Ratio Lower Upper
 107 100
 109 96.5 76.4 114.6



#62
 4-Bromofluorobenzene
 Concen: 19.154 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW007906.D
 Acq: 25 Dec 2018 00:04

Tgt Ion: 95 Resp: 23912
 Ion Ratio Lower Upper
 95 100
 174 73.0 0.0 145.4
 176 70.9 0.0 140.2

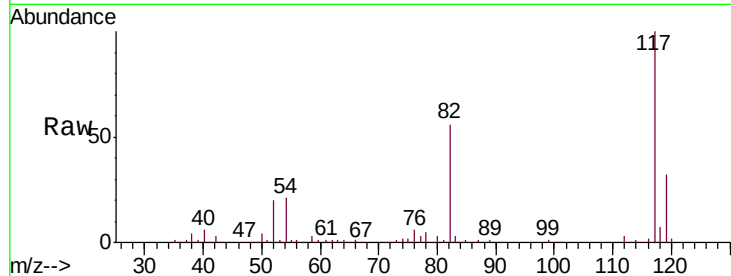




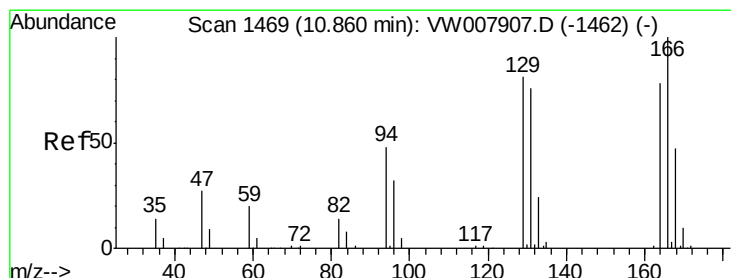
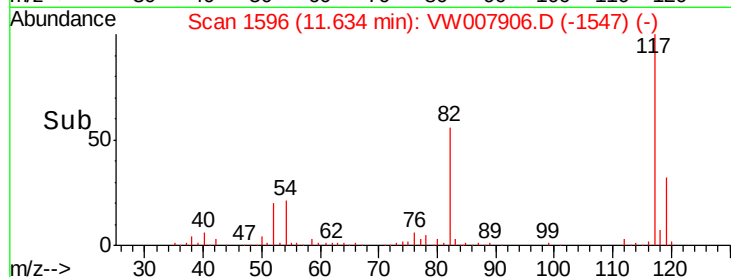
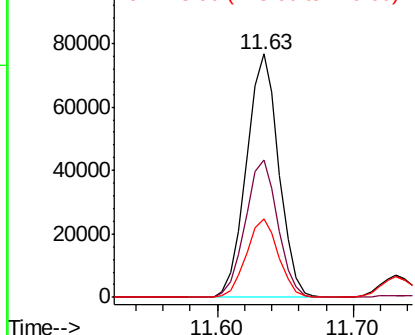
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW007906.D
Acq: 25 Dec 2018 00:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion:117 Resp: 127521
Ion Ratio Lower Upper
117 100
82 56.4 45.1 67.7
119 32.0 25.8 38.8

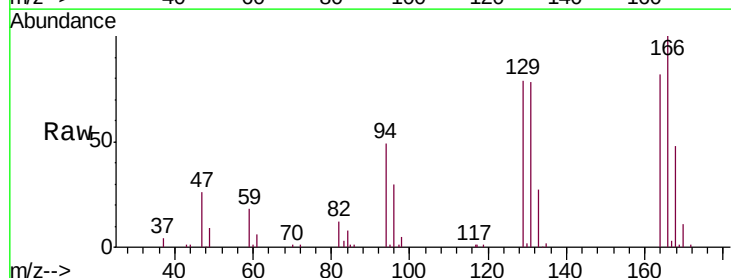


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

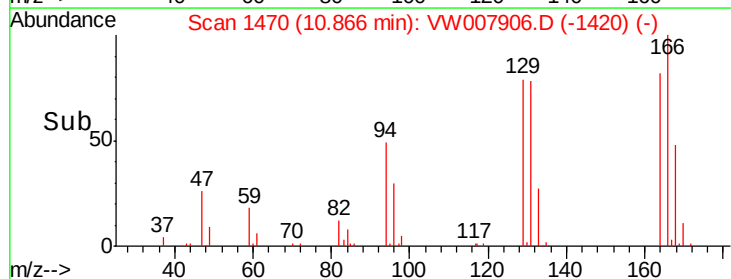
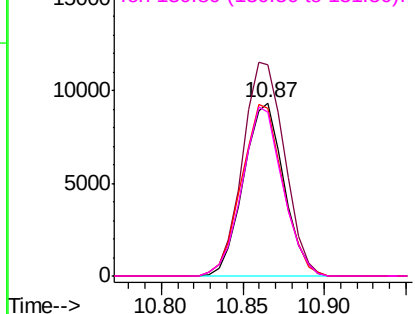


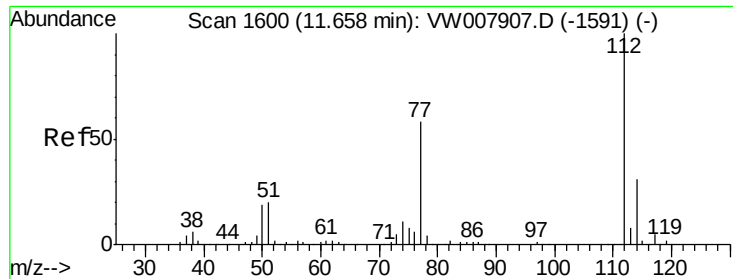
#64
Tetrachloroethene
Concen: 17.703 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW007906.D
Acq: 25 Dec 2018 00:04

Tgt Ion:164 Resp: 16012
Ion Ratio Lower Upper
164 100
166 122.1 102.1 153.1
129 96.9 82.3 123.5
131 94.6 77.6 116.4



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

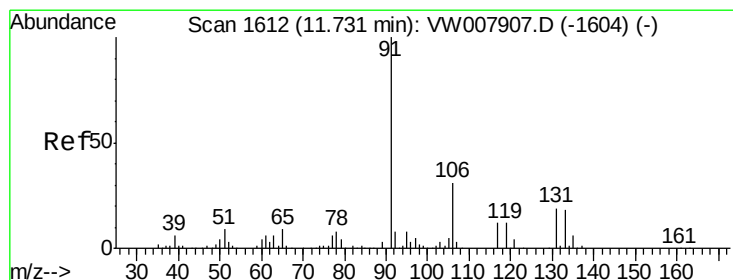
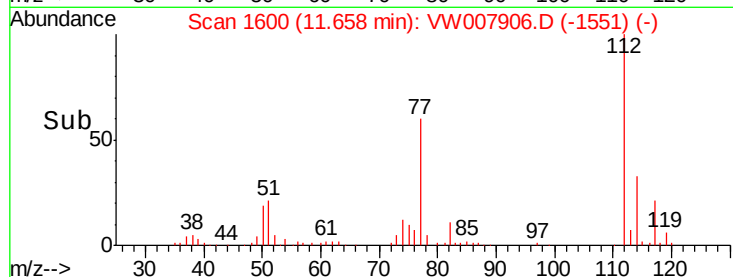
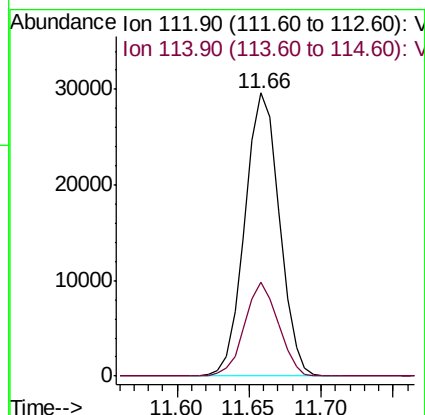
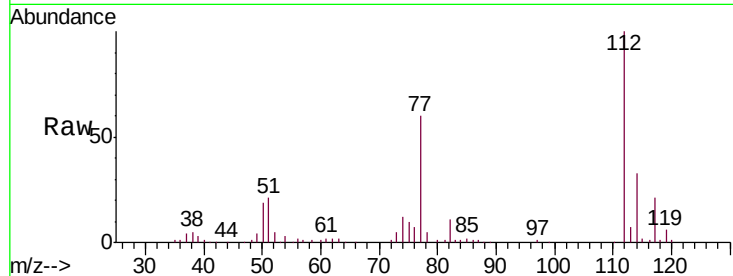




#65
Chlorobenzene
Concen: 17.751 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW007906.D
Acq: 25 Dec 2018 00:04

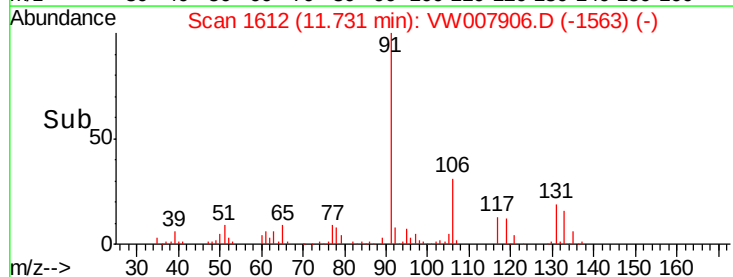
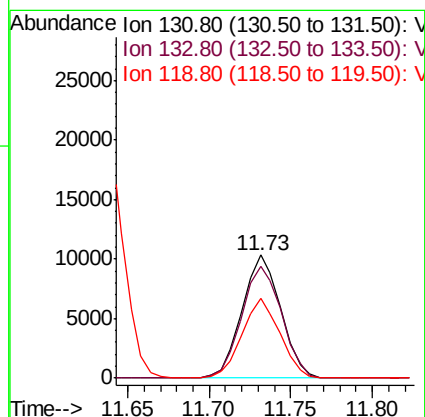
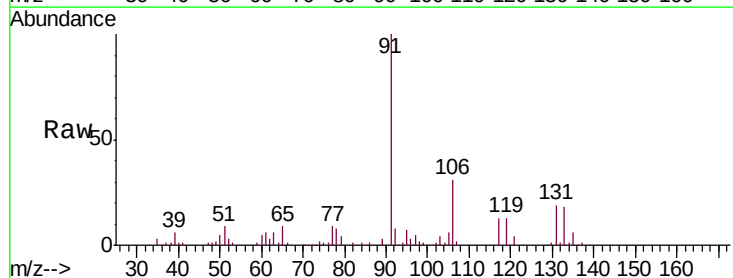
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

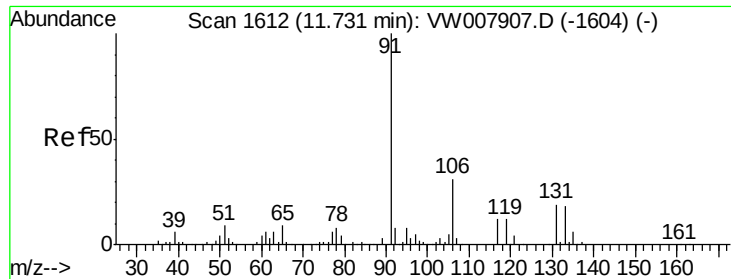
Tgt Ion:112 Resp: 49154
Ion Ratio Lower Upper
112 100
114 33.0 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 17.379 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW007906.D
Acq: 25 Dec 2018 00:04

Tgt Ion:131 Resp: 17091
Ion Ratio Lower Upper
131 100
133 93.4 48.4 145.3
119 63.4 31.6 95.0

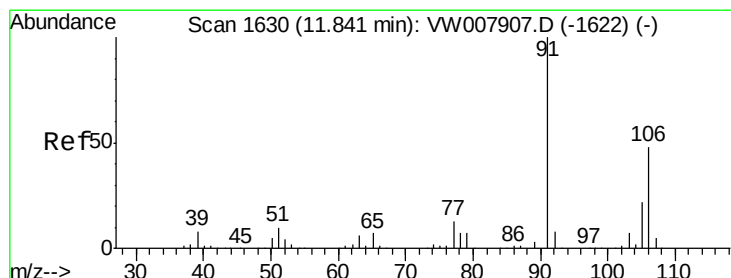
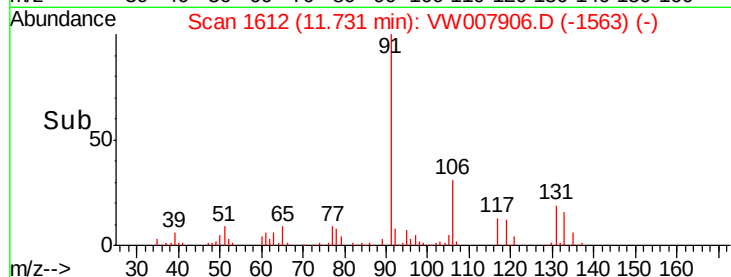
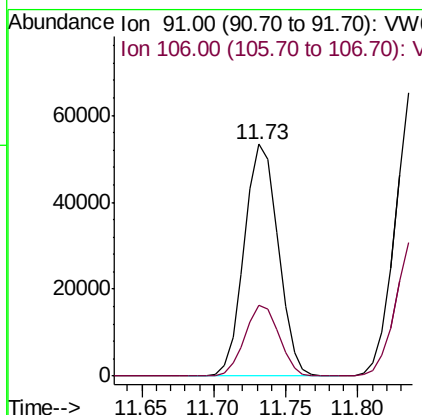
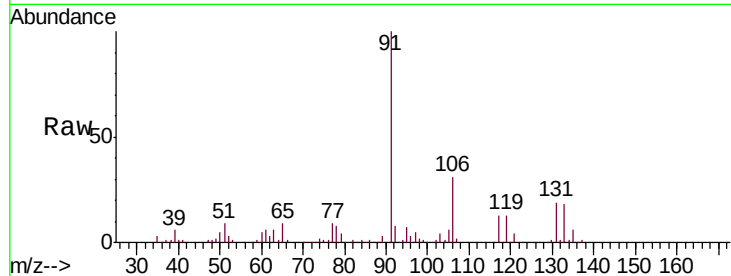




#67
Ethyl Benzene
Concen: 18.298 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW007906.D
Acq: 25 Dec 2018 00:04

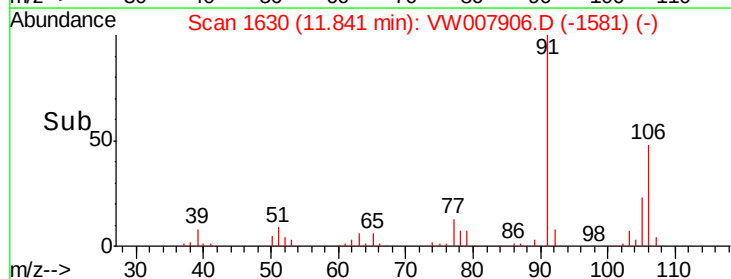
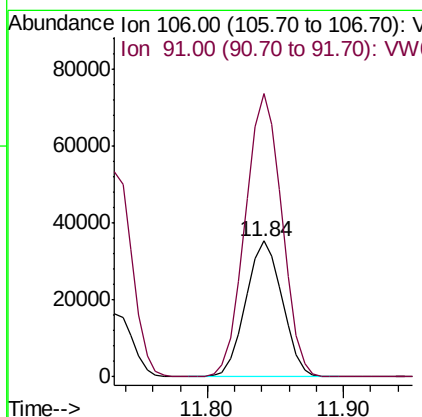
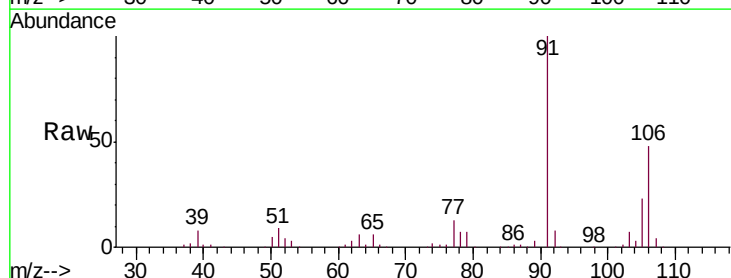
Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

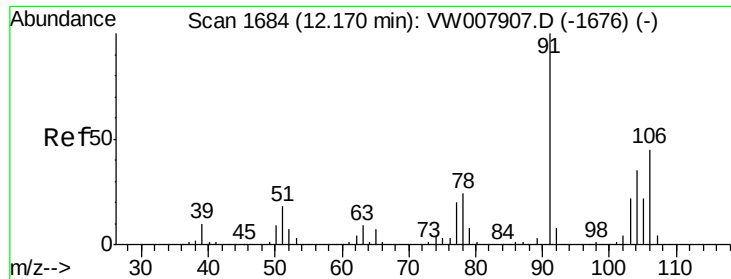
Tgt Ion: 91 Resp: 87196
Ion Ratio Lower Upper
91 100
106 30.9 24.6 37.0



#68
m/p-Xylenes
Concen: 36.101 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW007906.D
Acq: 25 Dec 2018 00:04

Tgt Ion: 106 Resp: 66462
Ion Ratio Lower Upper
106 100
91 209.0 166.6 249.8

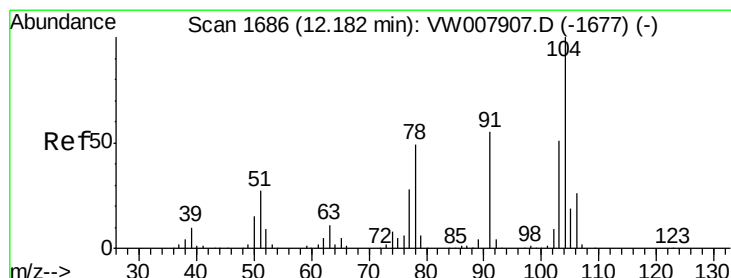
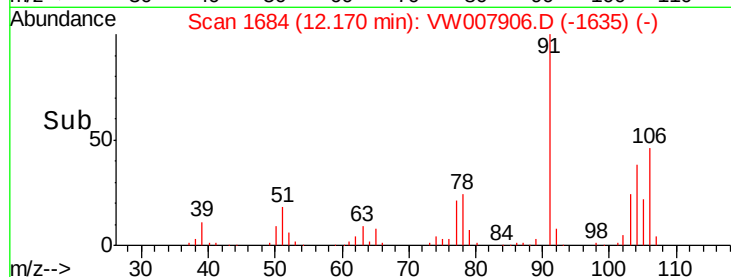
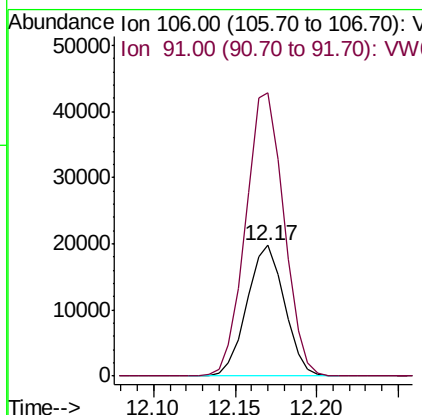
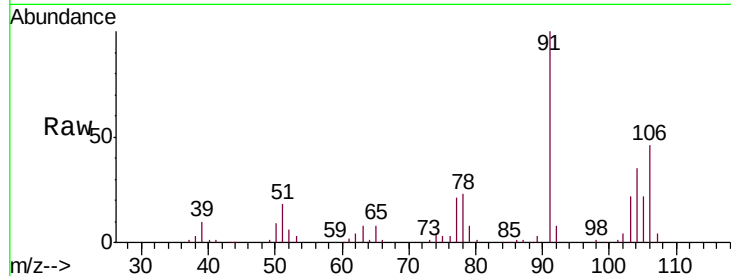




#69
o-Xylene
Concen: 18.365 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW007906.D
Acq: 25 Dec 2018 00:04

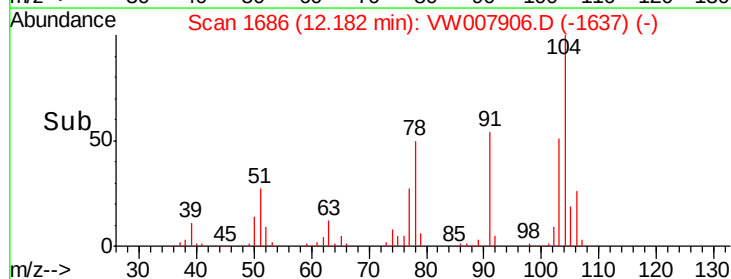
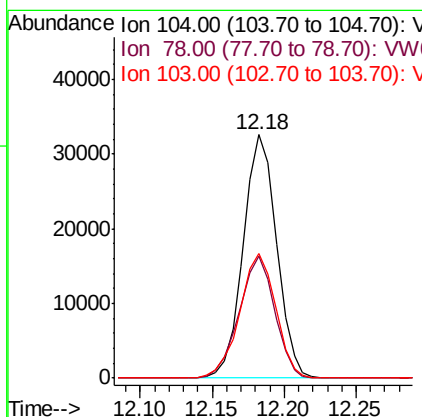
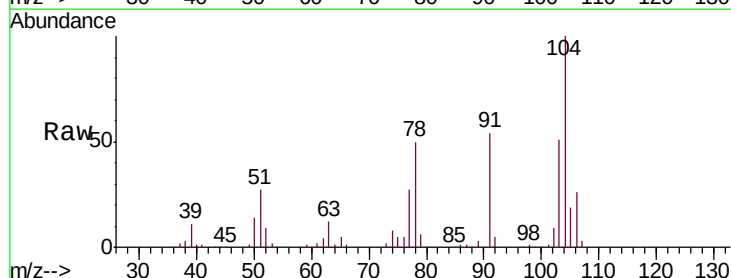
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

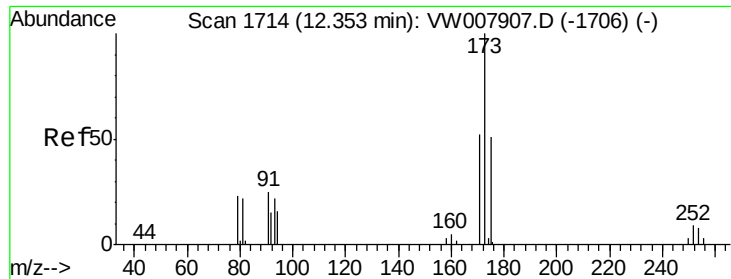
Tgt Ion:106 Resp: 31761
Ion Ratio Lower Upper
106 100
91 220.5 110.3 331.0



#70
Styrene
Concen: 18.357 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW007906.D
Acq: 25 Dec 2018 00:04

Tgt Ion:104 Resp: 52229
Ion Ratio Lower Upper
104 100
78 53.7 43.1 64.7
103 55.5 44.1 66.1





#71

Bromoform

Concen: 15.551 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW007906.D

Acq: 25 Dec 2018 00:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

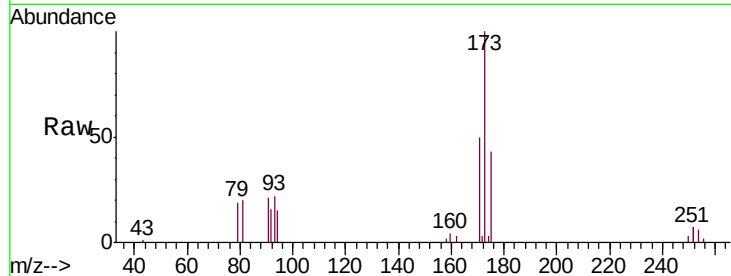
Tgt Ion:173 Resp: 7799

Ion Ratio Lower Upper

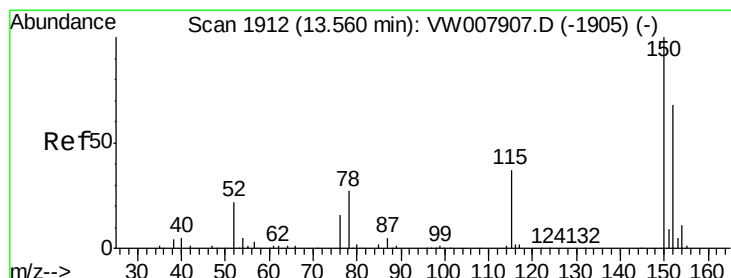
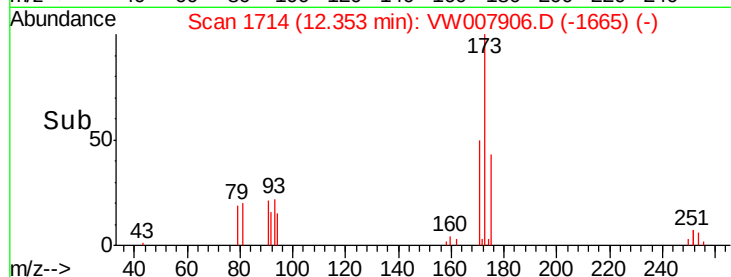
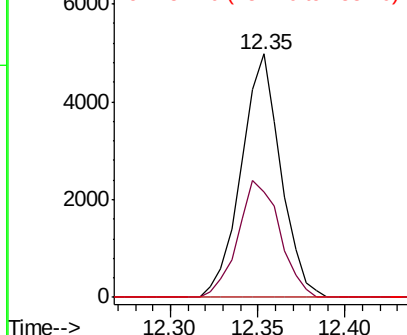
173 100

175 50.9 24.9 74.7

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: VW007906.D

Acq: 25 Dec 2018 00:04

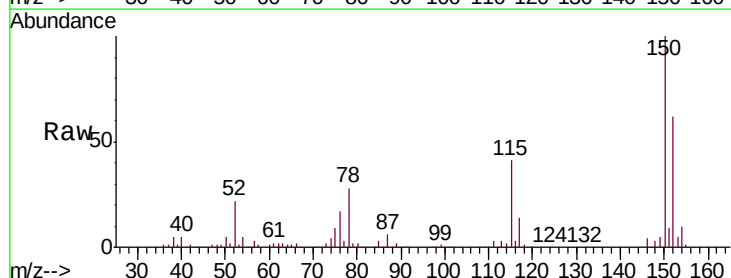
Tgt Ion:152 Resp: 62287

Ion Ratio Lower Upper

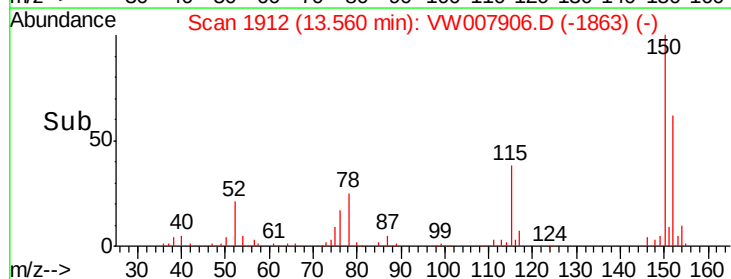
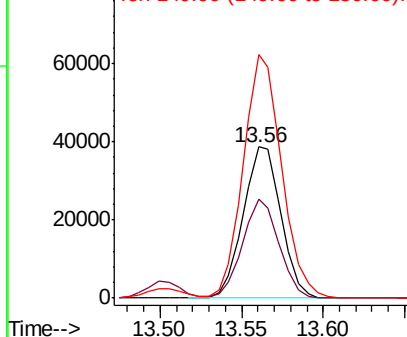
152 100

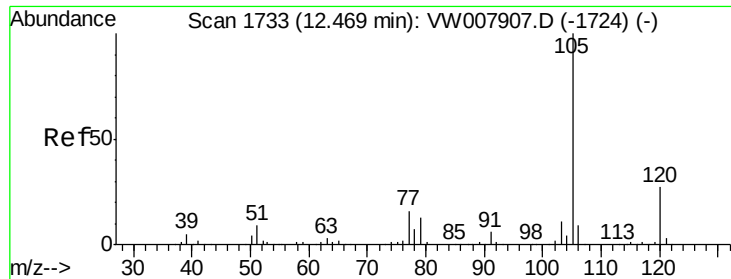
115 63.1 31.9 95.9

150 163.2 0.0 349.4



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: 18.676 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW007906.D

Acq: 25 Dec 2018 00:04

Instrument :

MSVOA_W

ClientSampleId :

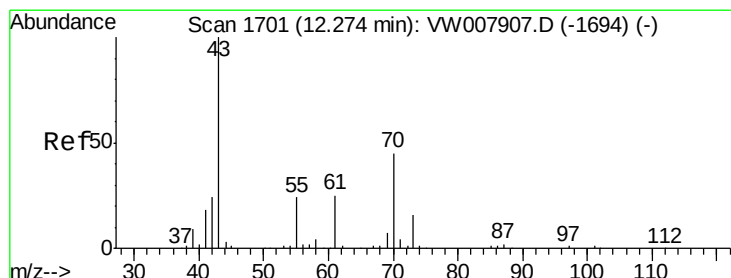
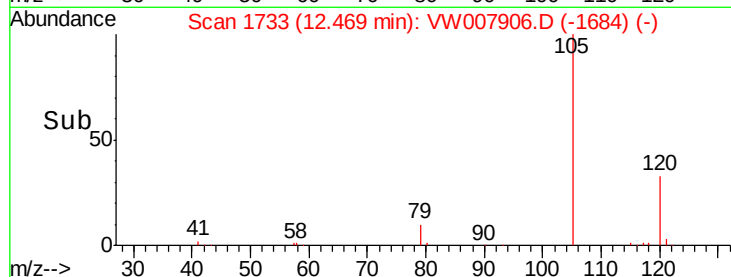
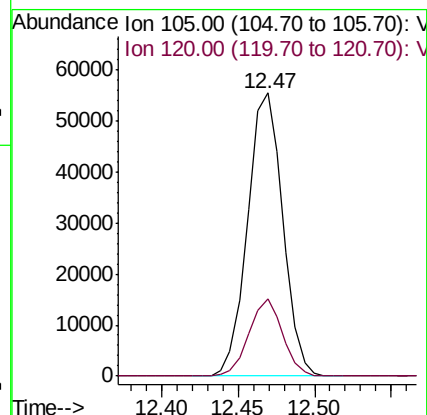
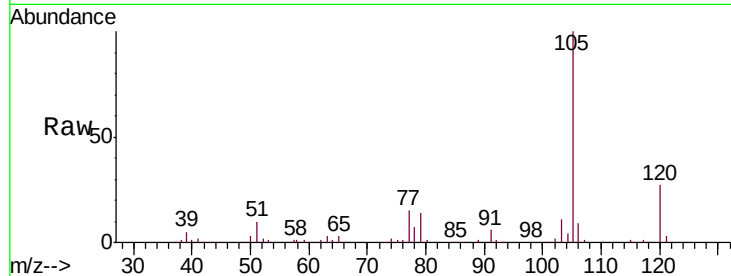
VSTDIC020

Tgt Ion:105 Resp: 88588

Ion Ratio Lower Upper

105 100

120 26.2 13.1 39.3



#74

N-ethyl acetate

Concen: 21.176 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW007906.D

Acq: 25 Dec 2018 00:04

Tgt Ion: 43 Resp: 17956

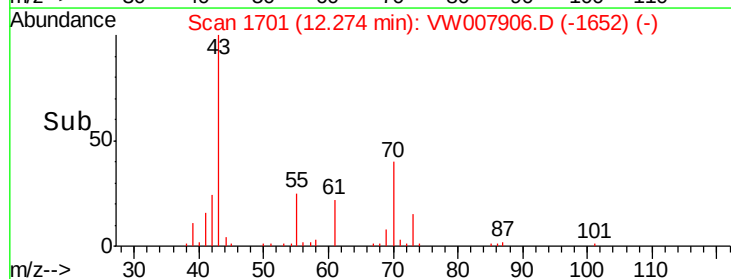
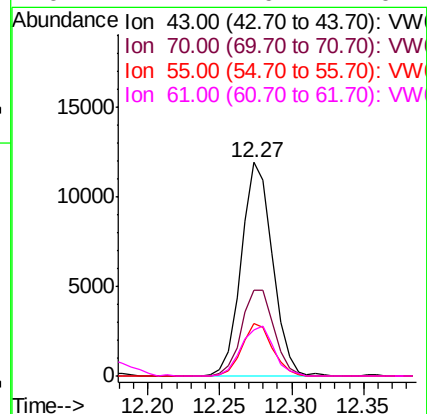
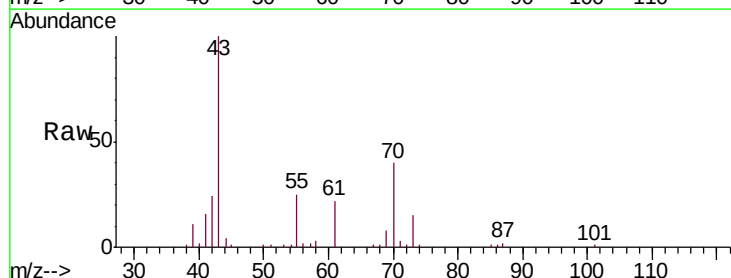
Ion Ratio Lower Upper

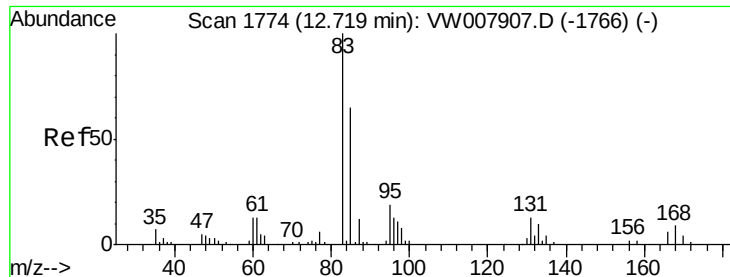
43 100

70 41.7 35.4 53.0

55 24.2 19.3 28.9

61 24.1 19.4 29.2





#75

1,1,2,2-Tetrachloroethane

Concen: 19.433 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW007906.D

Acq: 25 Dec 2018 00:04

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

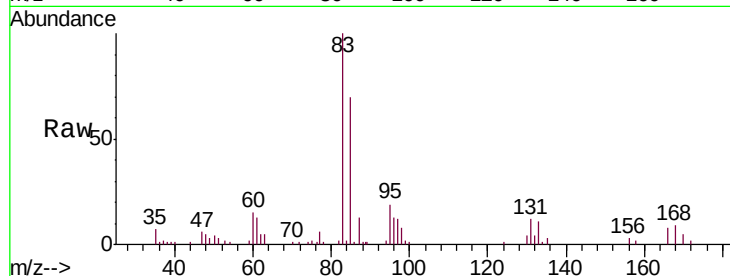
Tgt Ion: 83 Resp: 14006

Ion Ratio Lower Upper

83 100

131 12.2 6.2 18.4

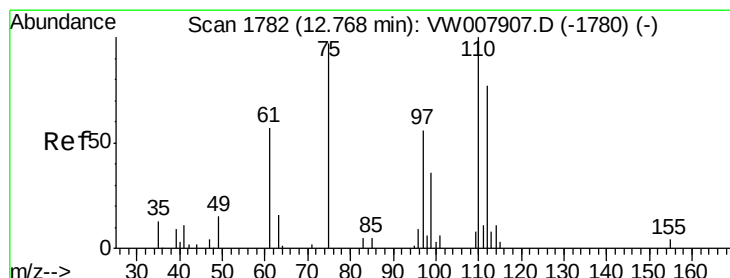
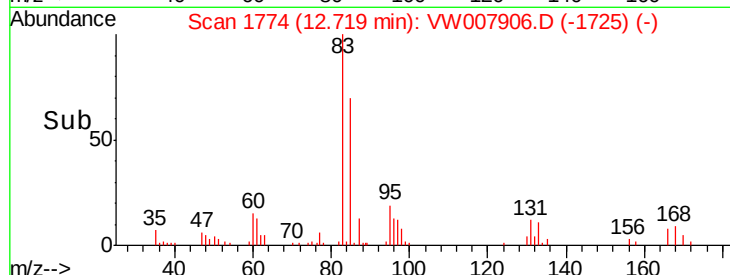
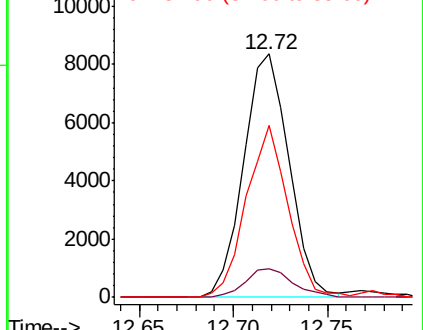
85 64.7 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 39.594 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW007906.D

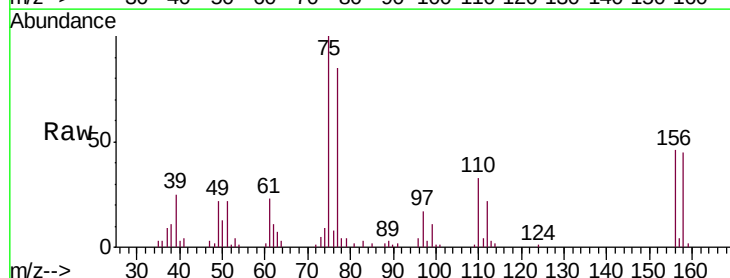
Acq: 25 Dec 2018 00:04

Tgt Ion: 75 Resp: 19602

Ion Ratio Lower Upper

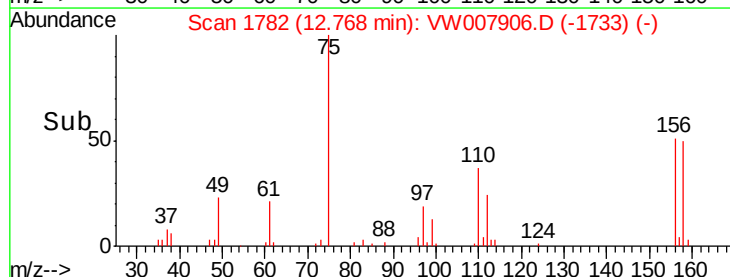
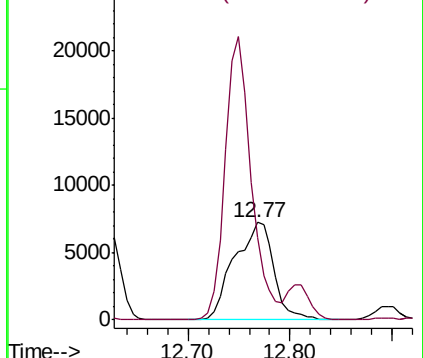
75 100

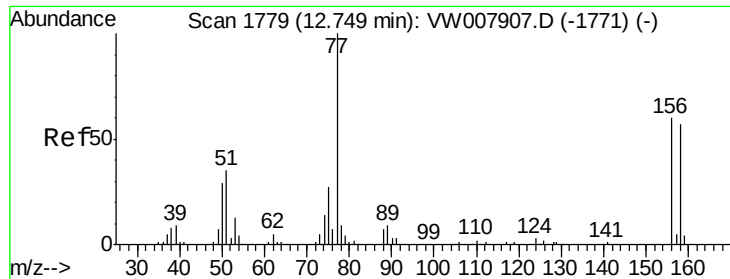
77 192.2 165.9 497.7



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 18.571 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW007906.D

Acq: 25 Dec 2018 00:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

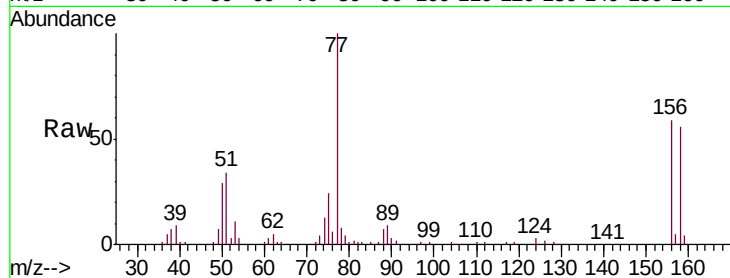
Tgt Ion:156 Resp: 20146

Ion Ratio Lower Upper

156 100

77 187.0 94.0 282.0

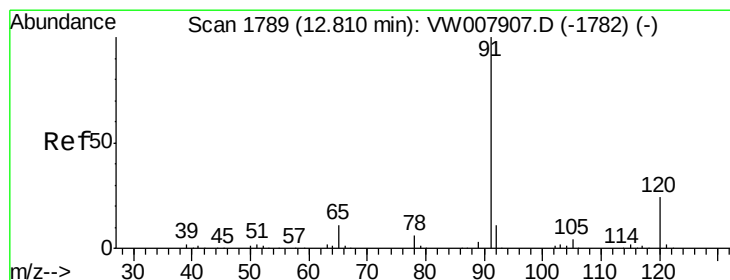
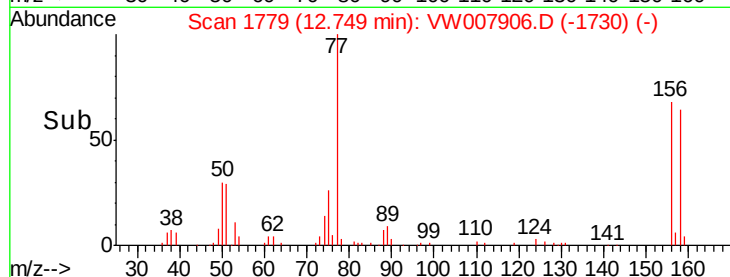
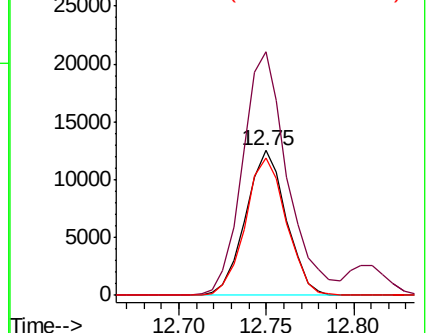
158 95.7 48.6 145.8



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: 18.404 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW007906.D

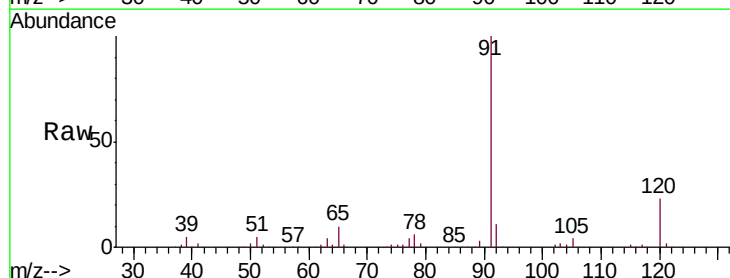
Acq: 25 Dec 2018 00:04

Tgt Ion: 91 Resp: 101684

Ion Ratio Lower Upper

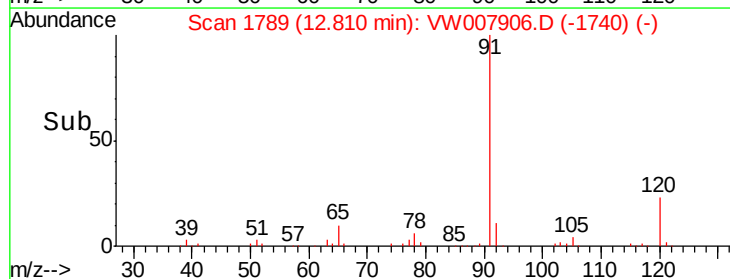
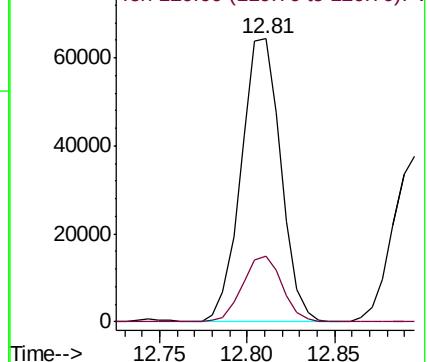
91 100

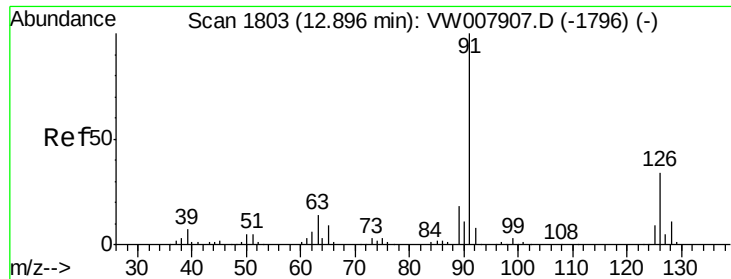
120 23.1 11.6 34.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.765 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW007906.D

Acq: 25 Dec 2018 00:04

Instrument :

MSVOA_W

ClientSampleId :

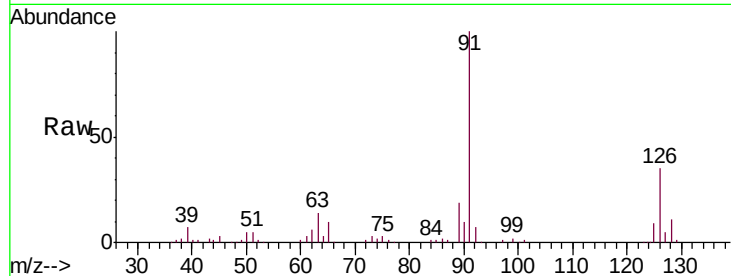
VSTDIC020

Tgt Ion: 91 Resp: 60703

Ion Ratio Lower Upper

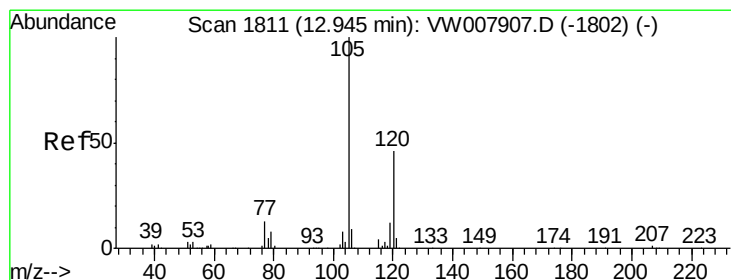
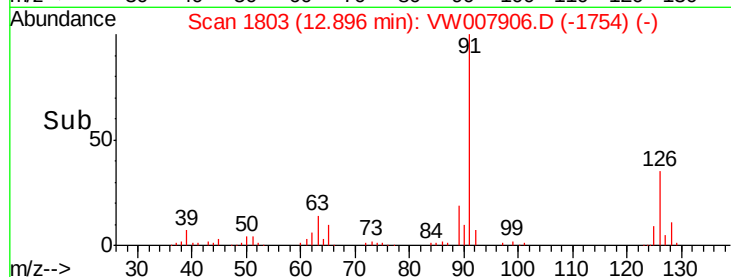
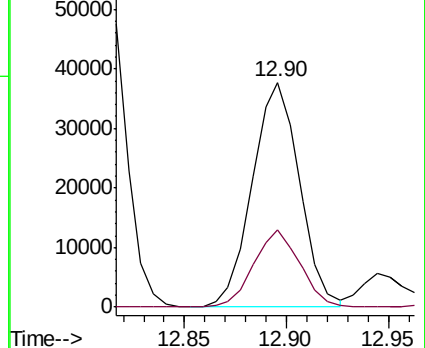
91 100

126 33.8 16.6 49.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 18.464 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW007906.D

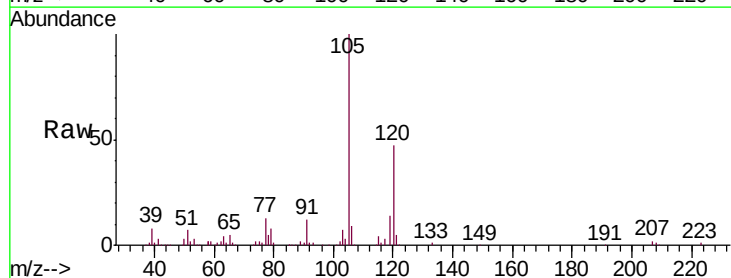
Acq: 25 Dec 2018 00:04

Tgt Ion: 105 Resp: 75555

Ion Ratio Lower Upper

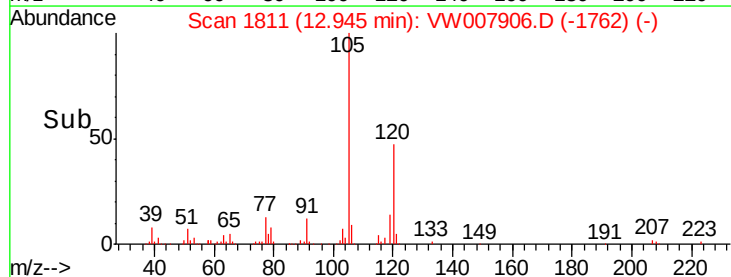
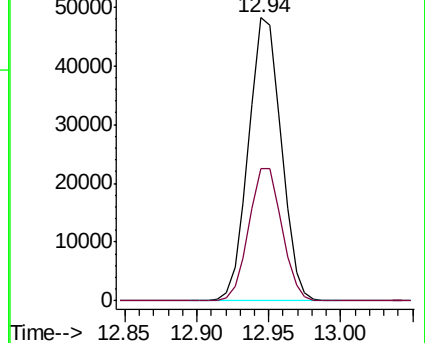
105 100

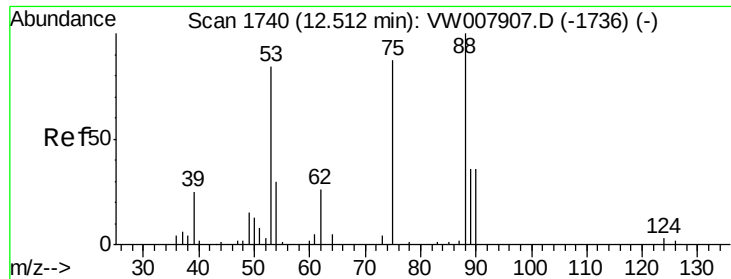
120 47.2 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 17.008 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW007906.D

Acq: 25 Dec 2018 00:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

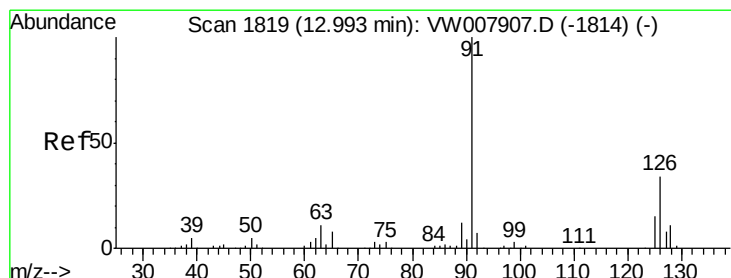
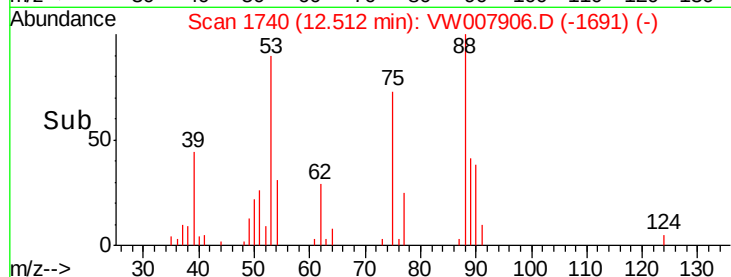
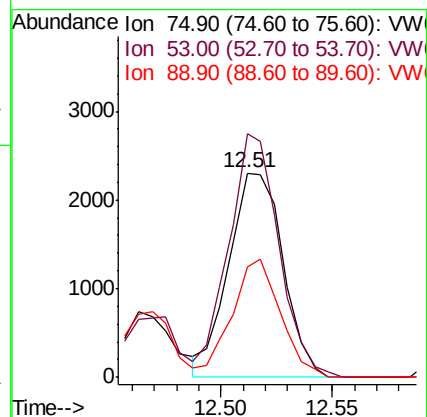
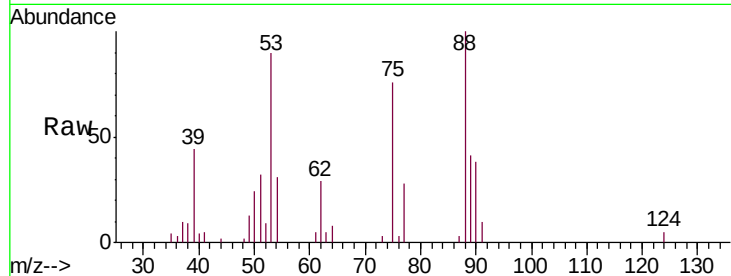
Tgt Ion: 75 Resp: 3917

Ion Ratio Lower Upper

75 100

53 110.4 79.8 119.8

89 52.0 37.1 55.7



#82

4-Chlorotoluene

Concen: 18.837 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW007906.D

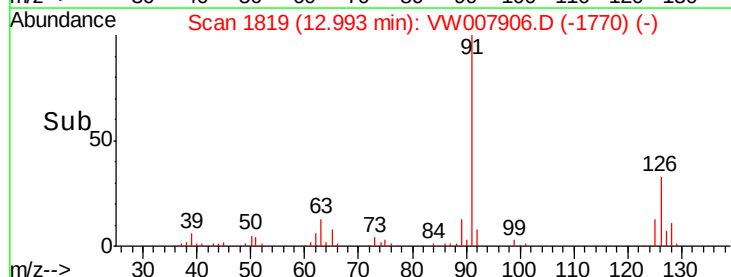
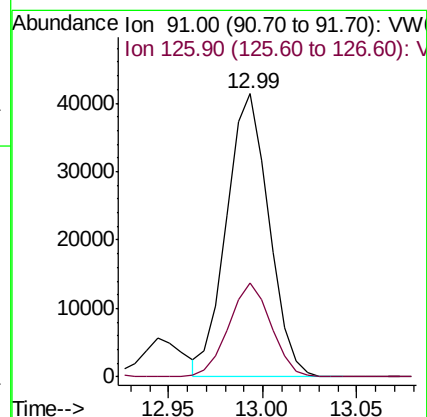
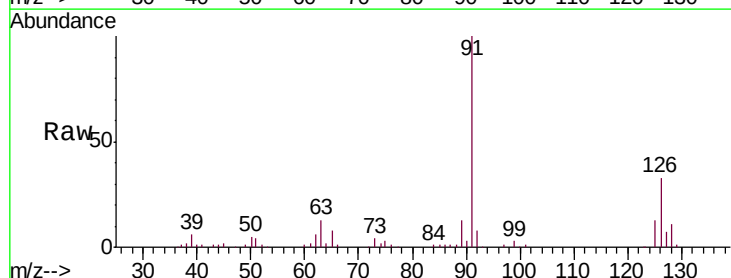
Acq: 25 Dec 2018 00:04

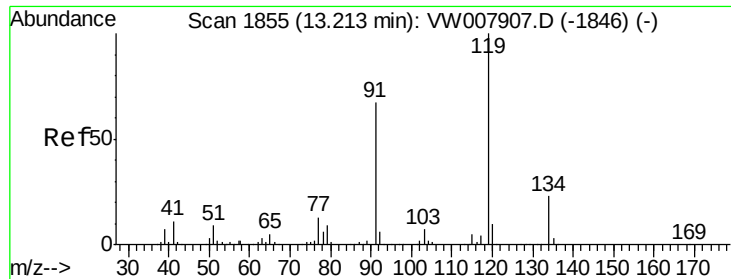
Tgt Ion: 91 Resp: 64583

Ion Ratio Lower Upper

91 100

126 33.0 16.5 49.5





#83

tert-Butylbenzene

Concen: 18.398 ug/l

RT: 13.21 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VW007906.D

Acq: 25 Dec 2018 00:04

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

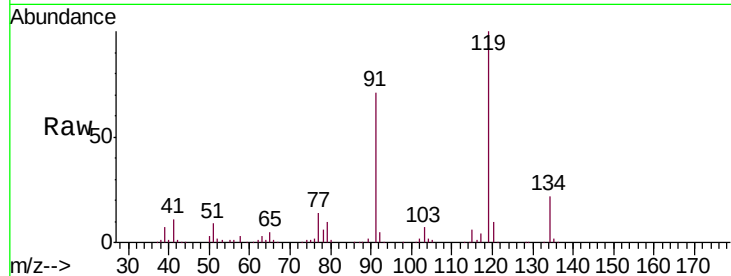
Tgt Ion:119 Resp: 66042

Ion Ratio Lower Upper

119 100

91 68.4 33.8 101.3

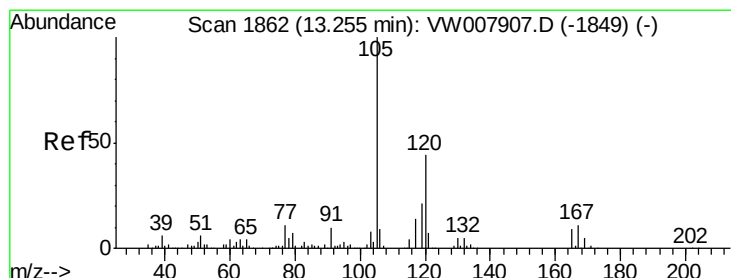
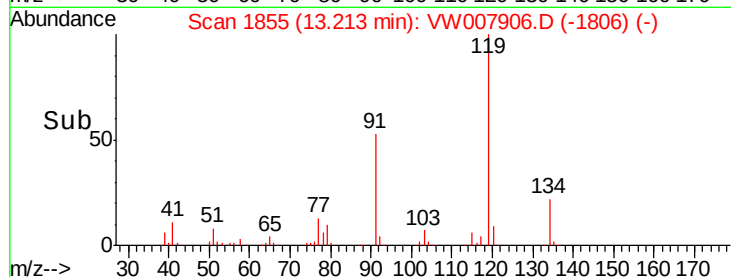
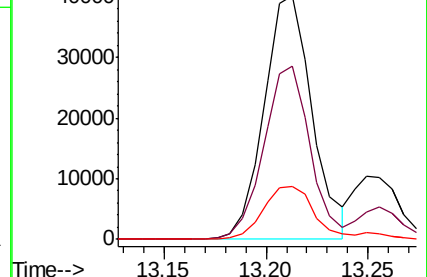
134 23.0 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 18.812 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW007906.D

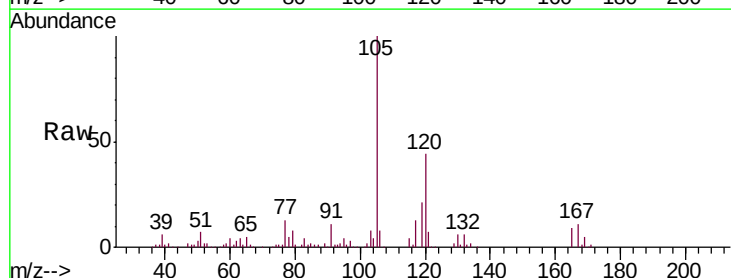
Acq: 25 Dec 2018 00:04

Tgt Ion:105 Resp: 77716

Ion Ratio Lower Upper

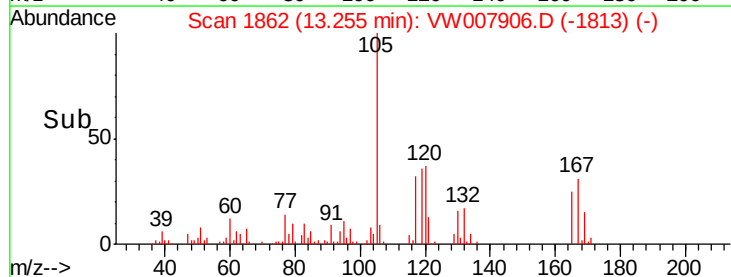
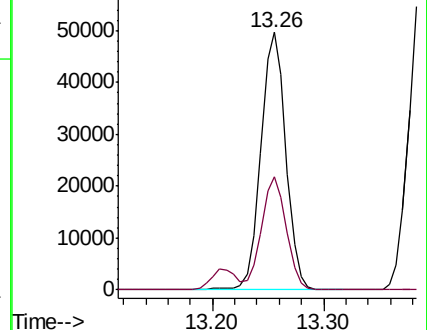
105 100

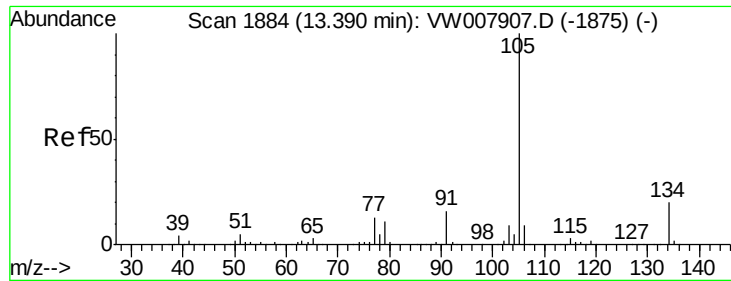
120 43.9 22.1 66.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

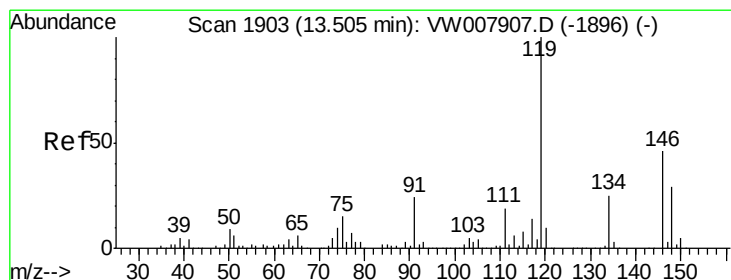
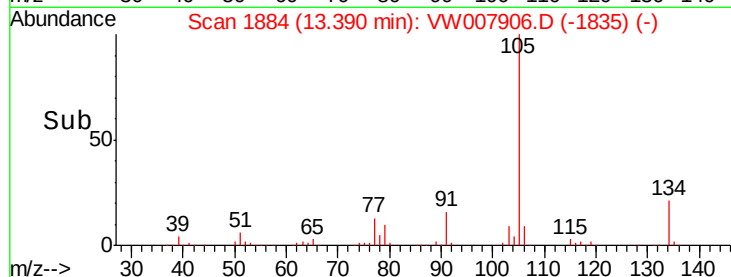
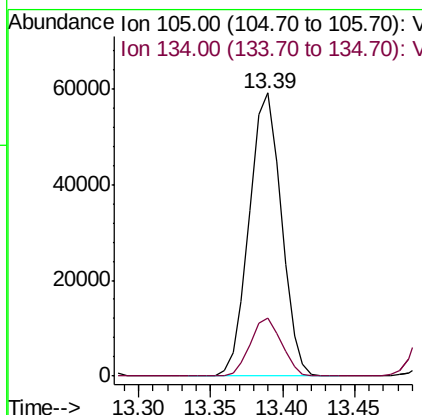
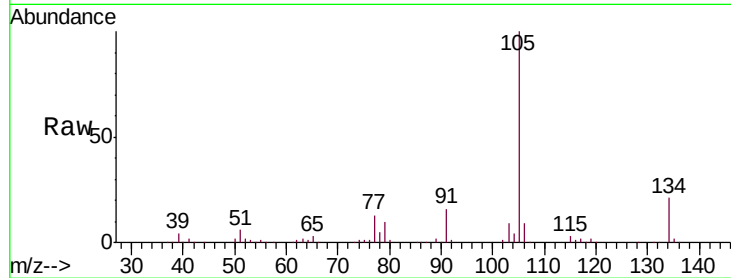




#85
 sec-Butylbenzene
 Concen: 18.465 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW007906.D
 Acq: 25 Dec 2018 00:04

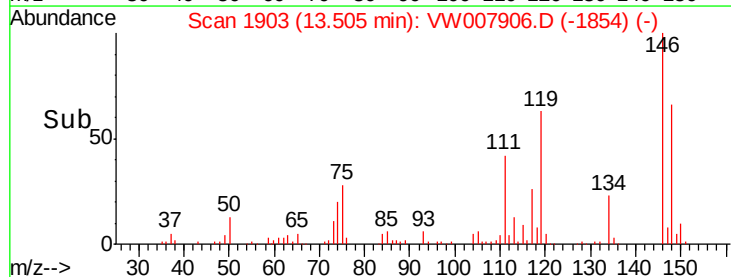
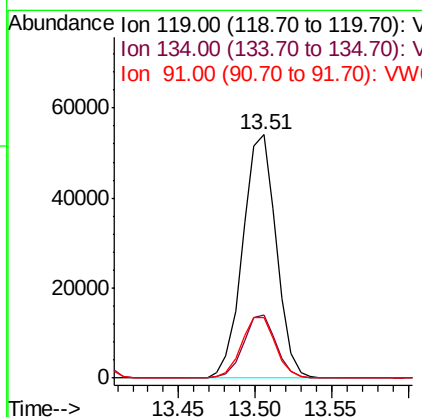
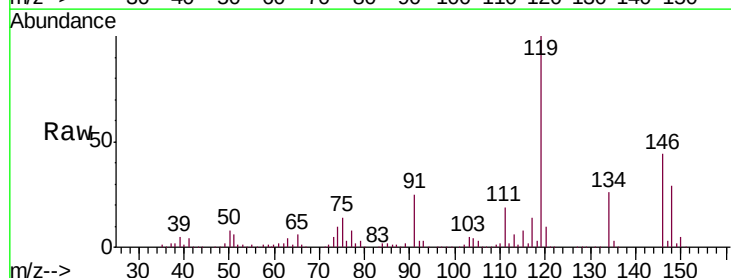
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

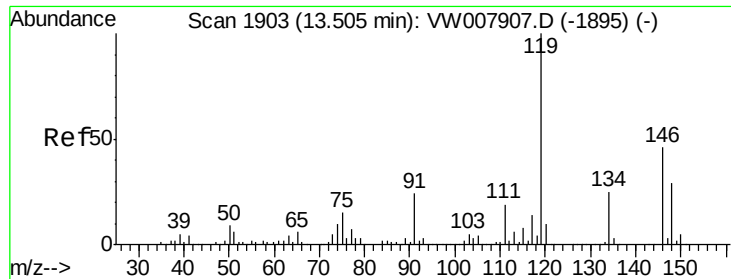
Tgt Ion:105 Resp: 91246
 Ion Ratio Lower Upper
 105 100
 134 20.0 10.0 29.8



#86
 p-Isopropyltoluene
 Concen: 18.280 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW007906.D
 Acq: 25 Dec 2018 00:04

Tgt Ion:119 Resp: 81981
 Ion Ratio Lower Upper
 119 100
 134 25.3 12.8 38.3
 91 25.4 12.7 38.1

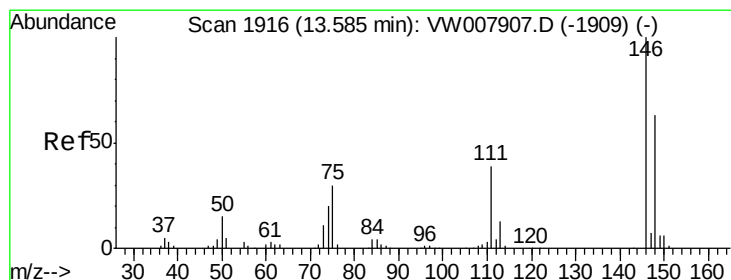
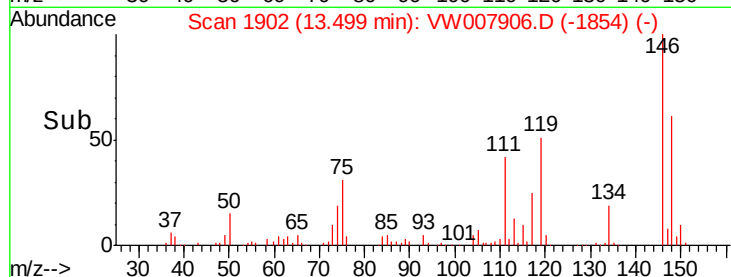
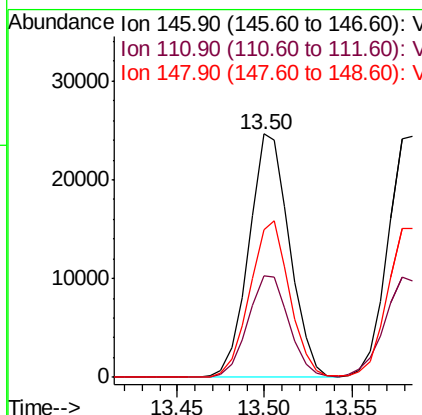
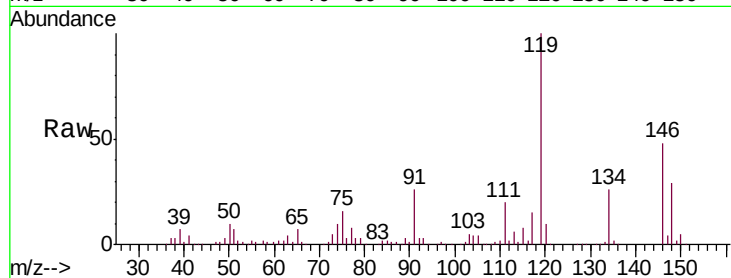




#87
 1,3-Dichlorobenzene
 Concen: 18.538 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW007906.D
 Acq: 25 Dec 2018 00:04

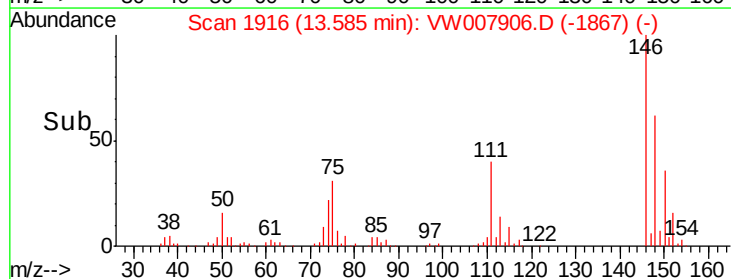
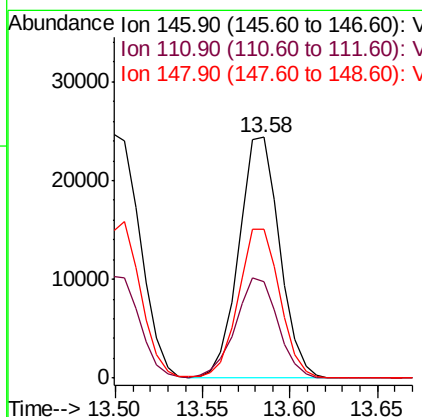
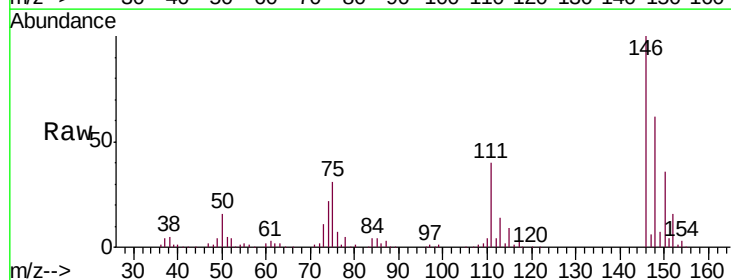
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

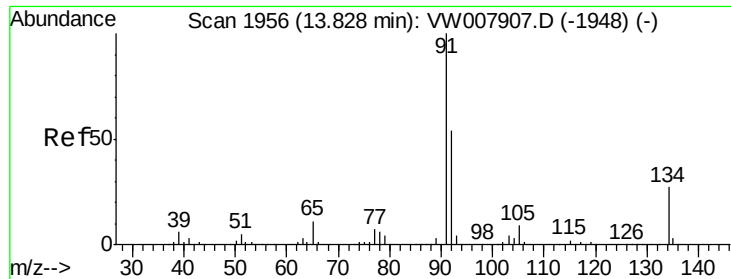
Tgt Ion:146 Resp: 39992
 Ion Ratio Lower Upper
 146 100
 111 42.0 21.4 64.2
 148 63.1 31.6 94.8



#88
 1,4-Dichlorobenzene
 Concen: 18.454 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW007906.D
 Acq: 25 Dec 2018 00:04

Tgt Ion:146 Resp: 39689
 Ion Ratio Lower Upper
 146 100
 111 43.4 20.8 62.5
 148 63.3 31.9 95.5





#89

n-Butylbenzene

Concen: 17.957 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW007906.D

Acq: 25 Dec 2018 00:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

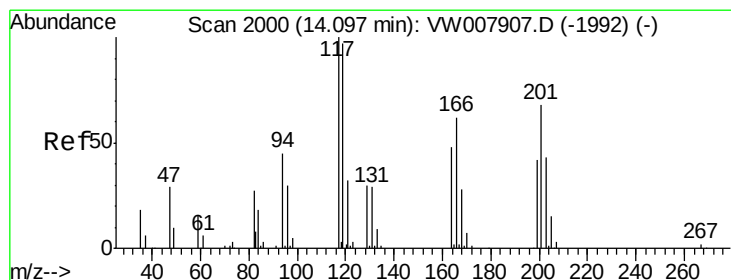
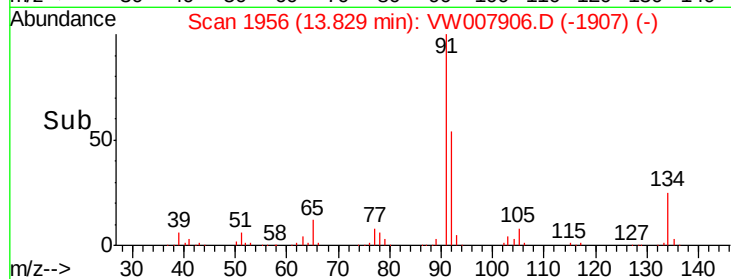
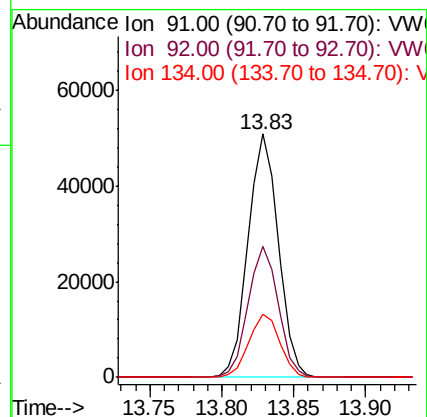
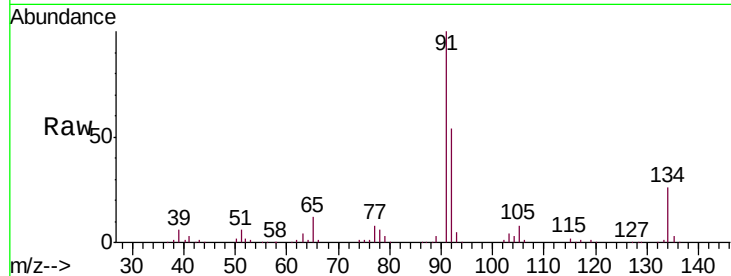
Tgt Ion: 91 Resp: 73887

Ion Ratio Lower Upper

91 100

92 53.5 26.8 80.4

134 26.7 13.2 39.5



#90

Hexachloroethane

Concen: 16.680 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW007906.D

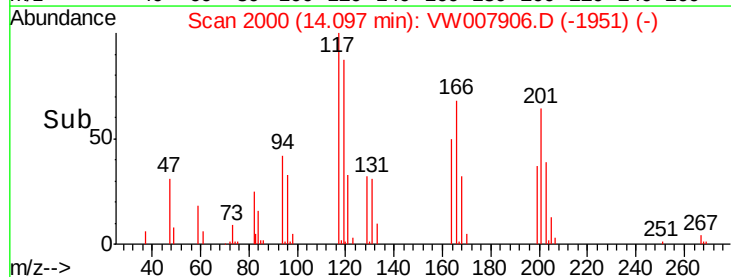
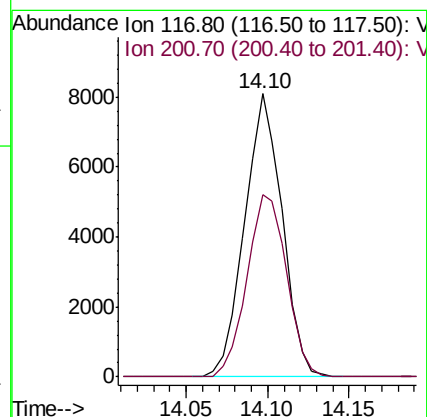
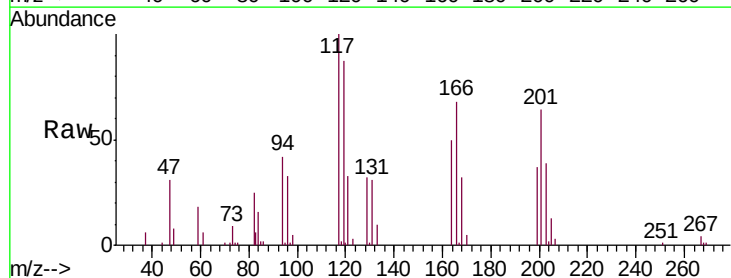
Acq: 25 Dec 2018 00:04

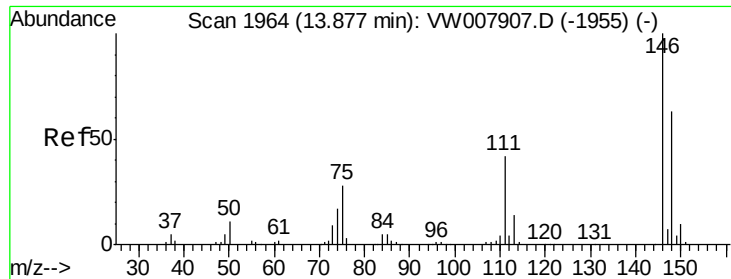
Tgt Ion: 117 Resp: 12959

Ion Ratio Lower Upper

117 100

201 68.0 35.0 105.0

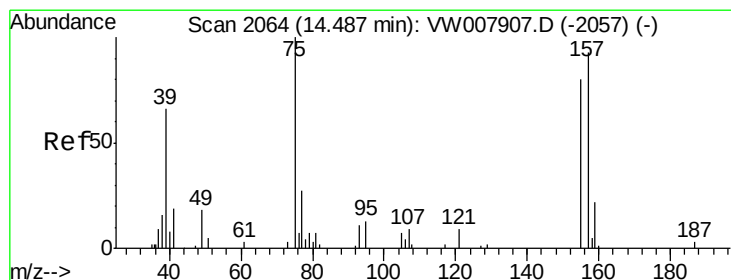
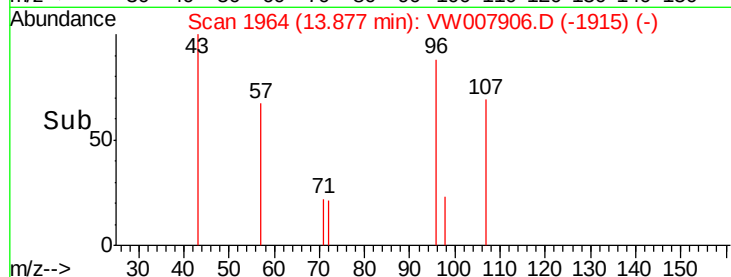
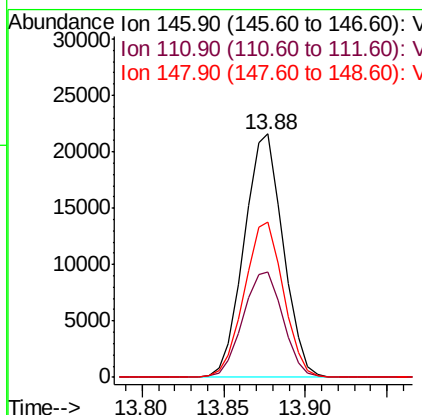
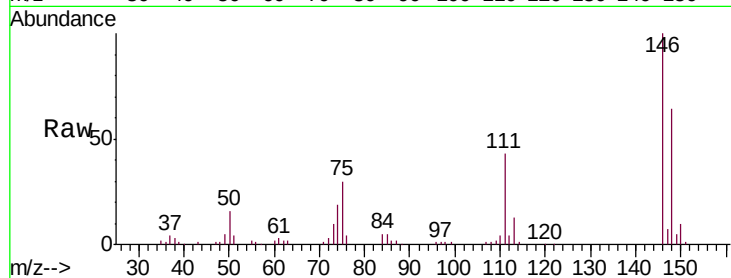




#91
 1,2-Dichlorobenzene
 Concen: 18.594 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW007906.D
 Acq: 25 Dec 2018 00:04

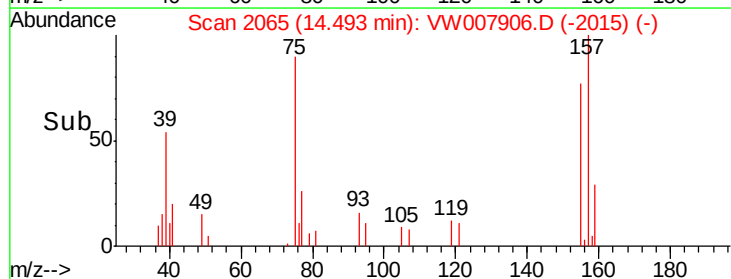
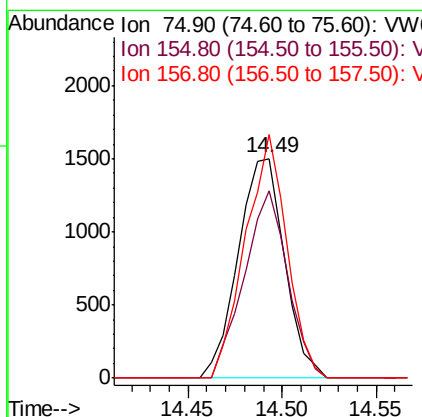
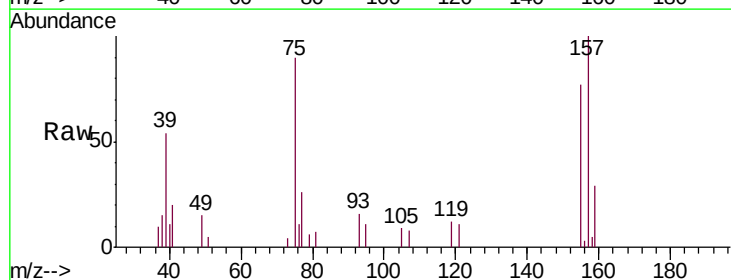
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

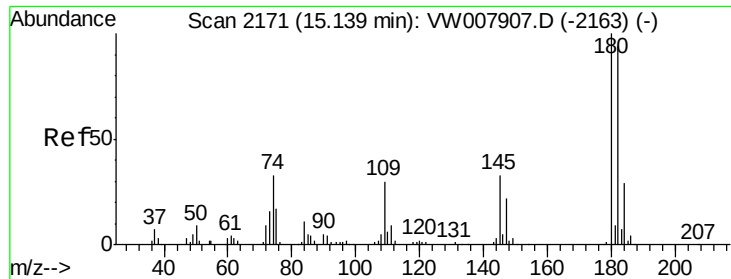
Tgt Ion: 146 Resp: 35889
 Ion Ratio Lower Upper
 146 100
 111 44.4 22.0 66.0
 148 64.0 31.6 95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.494 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.01 min
 Lab File: VW007906.D
 Acq: 25 Dec 2018 00:04

Tgt Ion: 75 Resp: 2565
 Ion Ratio Lower Upper
 75 100
 155 79.9 38.8 116.3
 157 98.8 48.1 144.3

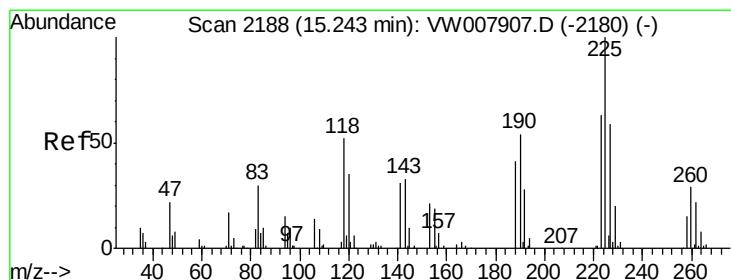
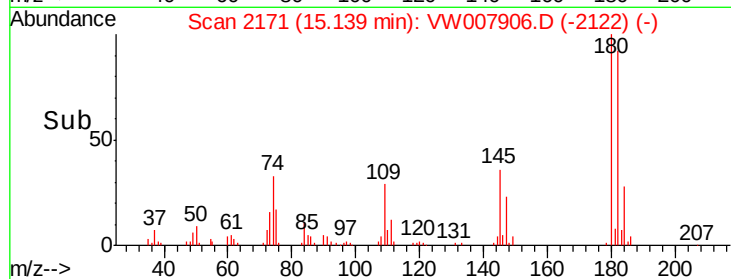
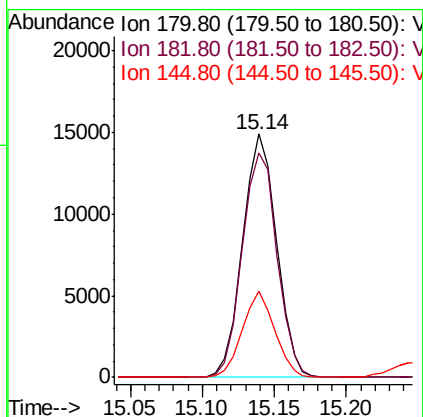
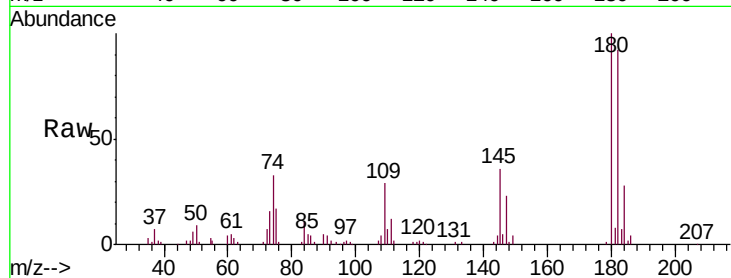




#93
 1,2,4-Trichlorobenzene
 Concen: 18.225 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW007906.D
 Acq: 25 Dec 2018 00:04

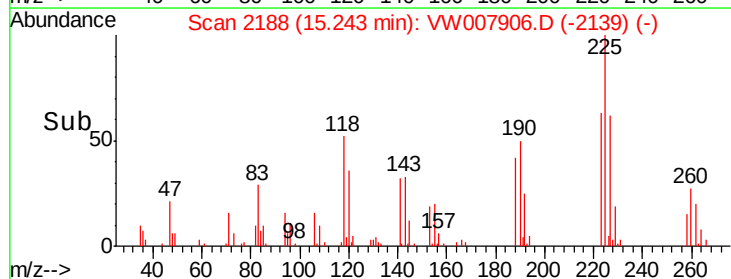
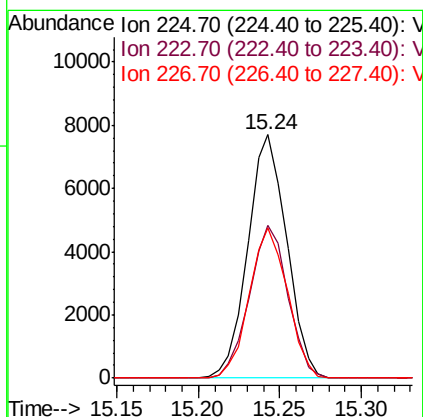
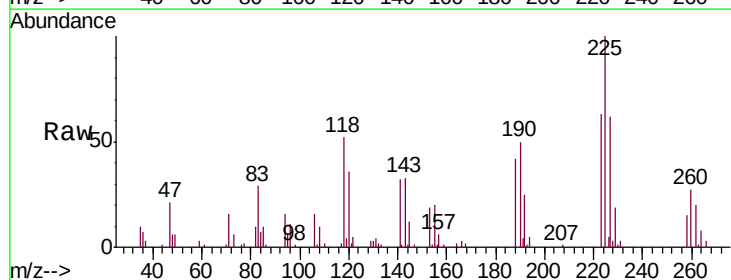
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

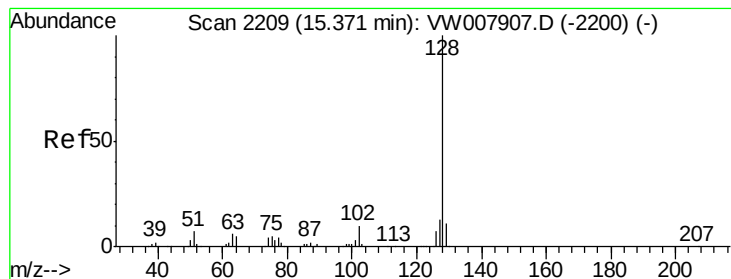
Tgt Ion:180 Resp: 24298
 Ion Ratio Lower Upper
 180 100
 182 94.8 47.6 142.9
 145 33.7 17.2 51.6



#94
 Hexachlorobutadiene
 Concen: 17.927 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW007906.D
 Acq: 25 Dec 2018 00:04

Tgt Ion:225 Resp: 12748
 Ion Ratio Lower Upper
 225 100
 223 62.1 31.4 94.0
 227 60.4 30.6 91.6





#95

Naphthalene

Concen: 19.463 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

Lab File: VW007906.D

Acq: 25 Dec 2018 00:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

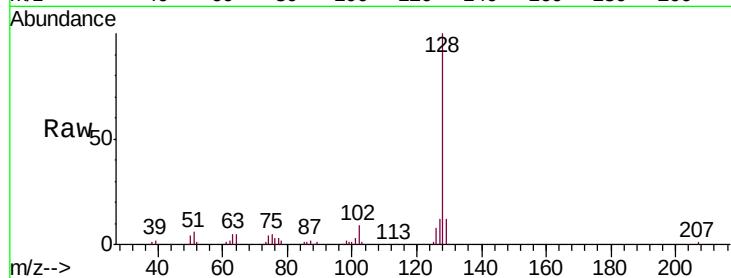
Tgt Ion:128 Resp: 48632

Ion Ratio Lower Upper

128 100

127 13.0 10.7 16.1

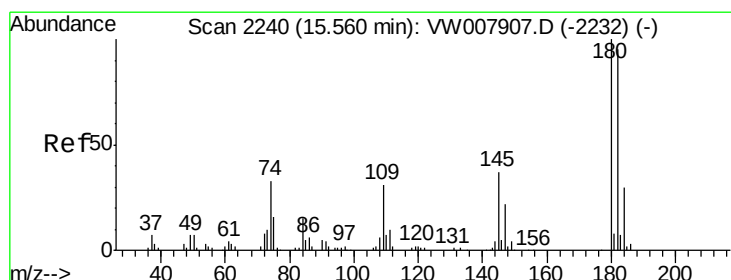
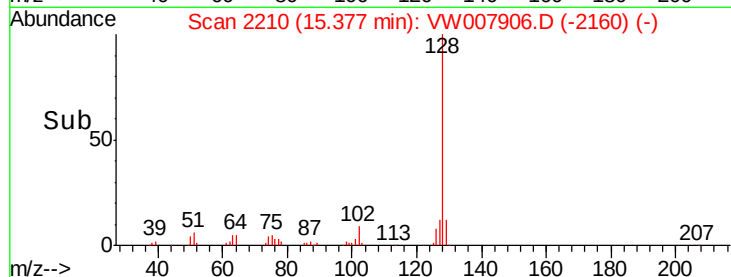
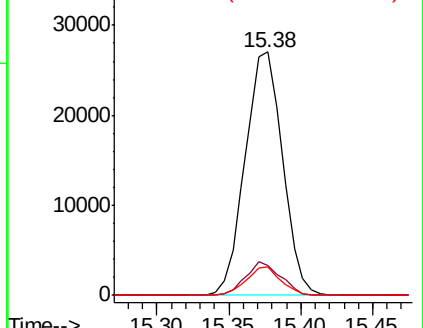
129 10.8 8.4 12.6



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: 18.326 ug/l

RT: 15.57 min Scan# 2241

Delta R.T. 0.01 min

Lab File: VW007906.D

Acq: 25 Dec 2018 00:04

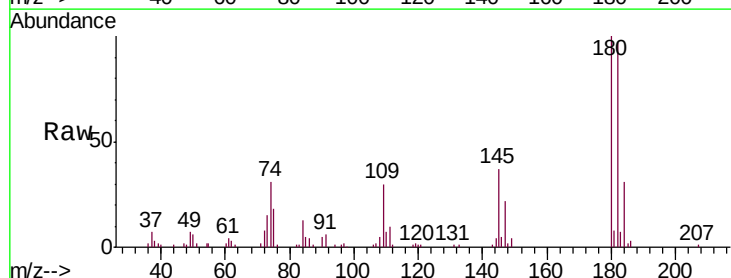
Tgt Ion:180 Resp: 21015

Ion Ratio Lower Upper

180 100

182 96.2 46.6 139.8

145 37.0 18.1 54.1



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

