

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072719\
 Data File : VW011511.D
 Acq On : 26 Jul 2019 12:24
 Operator : SY/VA
 Sample : VSTDIC020
 Misc : 5.00G/5.0ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Quant Time: Jul 27 00:12:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:06:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	245689	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	402557	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	352178	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	174117	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	56323	19.96	ug/l	0.00
Spiked Amount			Recovery	=	39.92%	
35) Dibromofluoromethane	7.88	113	44915	19.89	ug/l	0.00
Spiked Amount			Recovery	=	39.78%	
50) Toluene-d8	10.32	98	183235	19.82	ug/l	0.00
Spiked Amount			Recovery	=	39.64%	
62) 4-Bromofluorobenzene	12.62	95	64479	19.56	ug/l	0.00
Spiked Amount			Recovery	=	39.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	30491	22.268	ug/l	93
3) Chloromethane	2.21	50	49072	20.668	ug/l	100
4) Vinyl Chloride	2.35	62	60307	21.097	ug/l	98
5) Bromomethane	2.76	94	31435	19.868	ug/l	97
6) Chloroethane	2.92	64	32893	20.145	ug/l	93
7) Trichlorofluoromethane	3.25	101	24531	19.202	ug/l	99
8) Diethyl Ether	3.68	74	28869	19.931	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	49762	20.534	ug/l	99
10) Methyl Iodide	4.27	142	69412	20.268	ug/l	100
11) Tert butyl alcohol	5.17	59	22683	95.772	ug/l	99
12) 1,1-Dichloroethene	4.04	96	51431	20.100	ug/l	98
13) Acrolein	3.88	56	21621	106.808	ug/l	97
14) Allyl chloride	4.67	41	107254	19.708	ug/l	98
15) Acrylonitrile	5.36	53	72572	100.369	ug/l	98
16) Acetone	4.12	43	78057	86.980	ug/l	98
17) Carbon Disulfide	4.38	76	161577	20.176	ug/l	99
18) Methyl Acetate	4.67	43	40185	19.933	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	82785	20.388	ug/l	97
20) Methylene Chloride	4.92	84	62442	20.175	ug/l	93
21) trans-1,2-Dichloroethene	5.42	96	55745	20.208	ug/l	95
22) Diisopropyl ether	6.31	45	208579	20.328	ug/l	95
23) Vinyl Acetate	6.25	43	649994	100.817	ug/l	99
24) 1,1-Dichloroethane	6.21	63	109876	19.995	ug/l	99
25) 2-Butanone	7.16	43	110870	94.414	ug/l	98
26) 2,2-Dichloropropane	7.16	77	66411	19.651	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	61371	20.214	ug/l	98
28) Bromochloromethane	7.51	49	52187	21.396	ug/l	99
29) Tetrahydrofuran	7.52	42	67176	100.078	ug/l	100
30) Chloroform	7.68	83	102251	20.169	ug/l	98
31) Cyclohexane	7.95	56	107011	20.287	ug/l #	96
32) 1,1,1-Trichloroethane	7.87	97	77790	20.148	ug/l	99
36) 1,1-Dichloropropene	8.08	75	84435	20.171	ug/l	99
37) Ethyl Acetate	7.25	43	48107	19.976	ug/l	100
38) Carbon Tetrachloride	8.07	117	71326	19.905	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	92782	20.130	ug/l	96
40) Benzene	8.32	78	237428	20.250	ug/l	99
41) Methacrylonitrile	7.48	41	31468	21.859	ug/l	95
42) 1,2-Dichloroethane	8.40	62	73412	19.998	ug/l	99
43) Isopropyl Acetate	8.42	43	85786	19.369	ug/l	99
44) Trichloroethene	9.09	130	55897	19.835	ug/l	97
45) 1,2-Dichloropropane	9.37	63	63722	20.312	ug/l	99
46) Dibromomethane	9.46	93	28309	19.771	ug/l	99
47) Bromodichloromethane	9.65	83	74372	19.801	ug/l	96
48) Methyl methacrylate	9.43	41	41322	19.423	ug/l	98
49) 1,4-Dioxane	9.44	88	8053	388.424	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	226762	98.434	ug/l	99
52) Toluene	10.39	92	143102	20.210	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	76831	19.582	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	92976	19.930	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	40318	19.845	ug/l	97
56) Ethyl methacrylate	10.65	69	58150	19.560	ug/l	98
57) 1,3-Dichloropropane	10.93	76	77812	20.245	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	149926	111.072	ug/l	99
59) 2-Hexanone	10.97	43	157322	96.720	ug/l	100
60) Dibromochloromethane	11.13	129	44664	19.806	ug/l	100
61) 1,2-Dibromoethane	11.23	107	38354	19.949	ug/l	100
64) Tetrachloroethene	10.86	164	45924	20.027	ug/l	97
65) Chlorobenzene	11.66	112	142942	20.188	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	49383	20.023	ug/l	100
67) Ethyl Benzene	11.73	91	272062	20.175	ug/l	99
68) m/p-Xylenes	11.84	106	199563	40.693	ug/l	100
69) o-Xylene	12.16	106	91334	20.042	ug/l	99
70) Styrene	12.18	104	160416	20.359	ug/l	100
71) Bromoform	12.35	173	24232	19.270	ug/l #	98
73) Isopropylbenzene	12.46	105	255914	19.702	ug/l	99
74) N-amyl acetate	12.27	43	78042	19.190	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	48910	20.018	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	63913	34.576	ug/l #	100
77) Bromobenzene	12.75	156	56222	19.582	ug/l	98
78) n-propylbenzene	12.80	91	316554	20.025	ug/l	100
79) 2-Chlorotoluene	12.89	91	181076	19.883	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	217801	20.003	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	14798	18.511	ug/l	96
82) 4-Chlorotoluene	12.99	91	191758	20.068	ug/l	100
83) tert-Butylbenzene	13.21	119	181282	19.909	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	220711	20.122	ug/l	99
85) sec-Butylbenzene	13.38	105	259780	19.995	ug/l	100
86) p-Isopropyltoluene	13.50	119	234958	19.932	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	111562	19.817	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	110960	19.814	ug/l	98
89) n-Butylbenzene	13.82	91	233573	19.855	ug/l	99
90) Hexachloroethane	14.10	117	40503	19.431	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	99507	19.985	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8124	19.498	ug/l	98

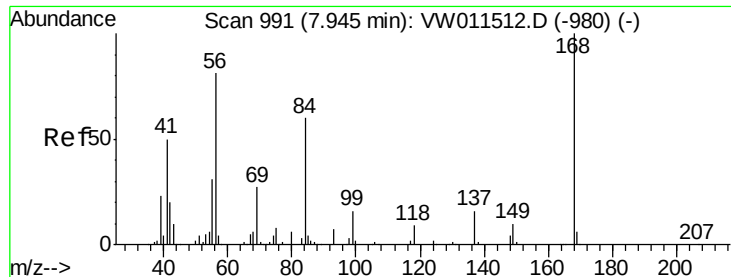
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	69766	19.881	ug/l	99
94) Hexachlorobutadiene	15.24	225	43769	20.001	ug/l	99
95) Naphthalene	15.37	128	120819	19.419	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	60501	19.669	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW011511.D

Acq: 26 Jul 2019 12:24

Instrument :

MSVOA_W

ClientSampleId :

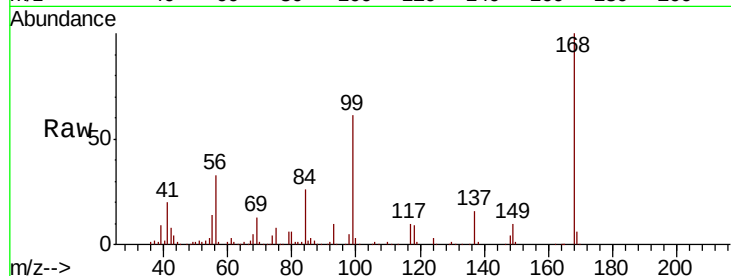
VSTDIC020

Tot Ion:168 Resp: 245689

Ion Ratio Lower Upper

168 100

99 60.8 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

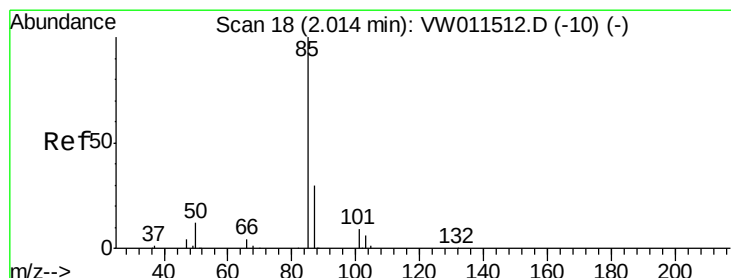
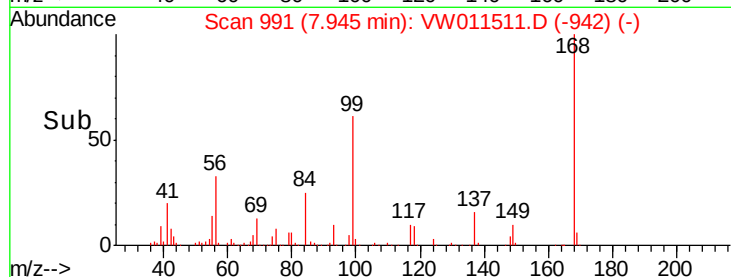
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 22.268 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW011511.D

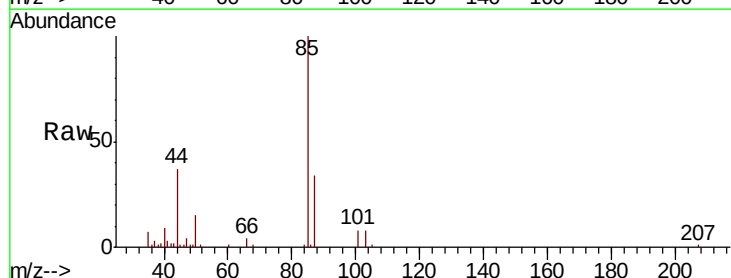
Acq: 26 Jul 2019 12:24

Tgt Ion: 85 Resp: 30491

Ion Ratio Lower Upper

85 100

87 34.2 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

12000

10000

8000

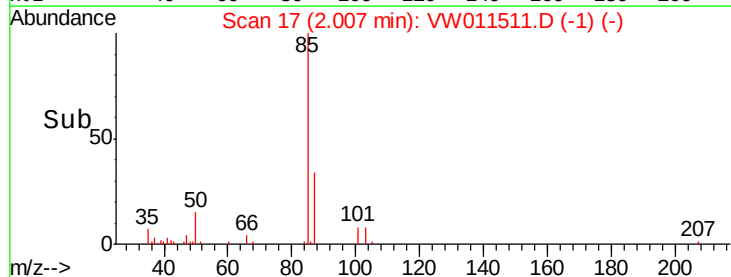
6000

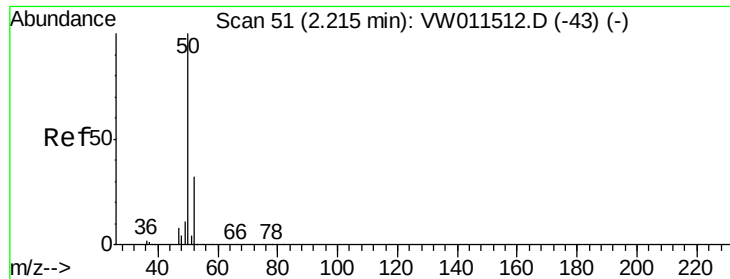
4000

2000

0

Time--> 1.90 2.00 2.10 2.20

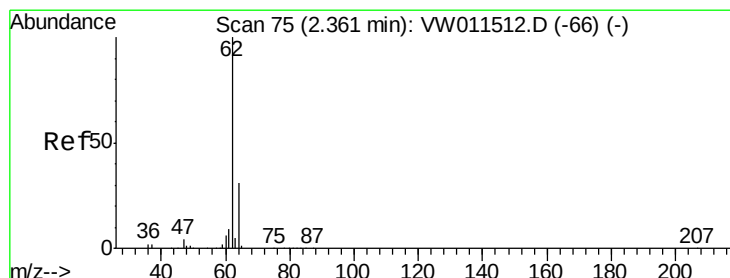
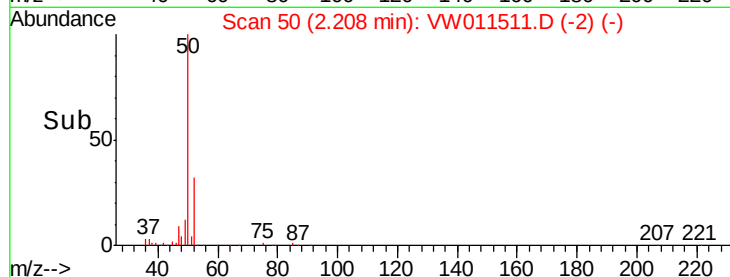
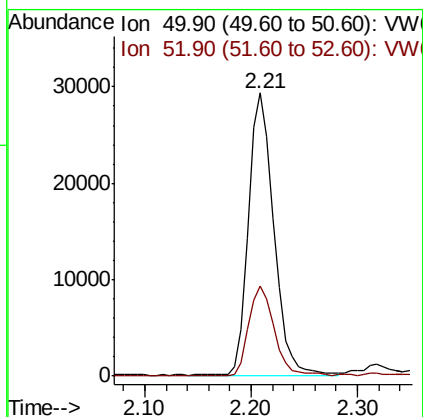
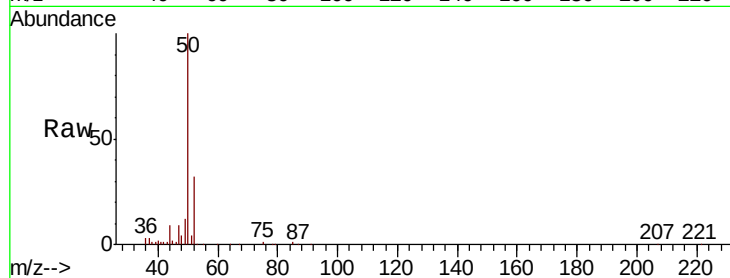




#3
Chloromethane
Concen: 20.668 ug/l
RT: 2.21 min Scan# 50
Delta R.T. -0.01 min
Lab File: VW011511.D
Acq: 26 Jul 2019 12:24

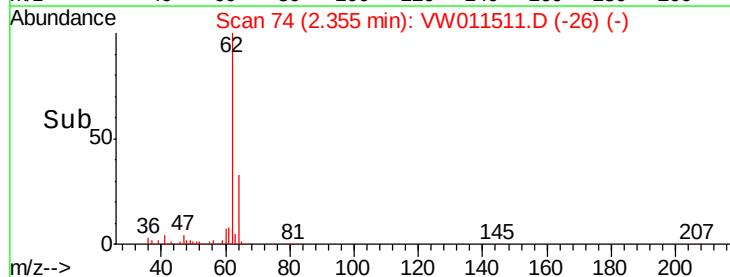
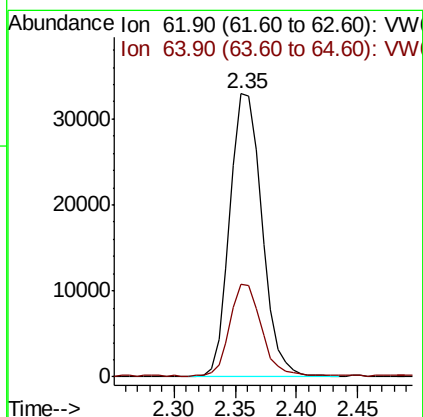
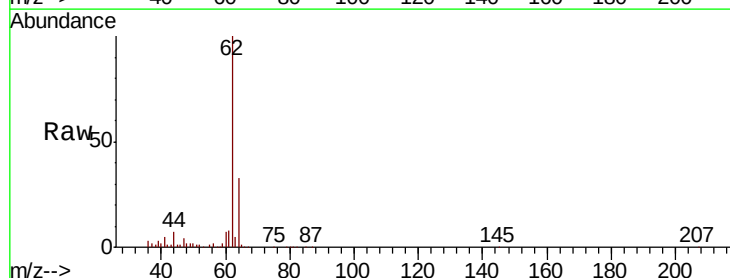
Instrument :
MSVOA_W
ClientSampleId :
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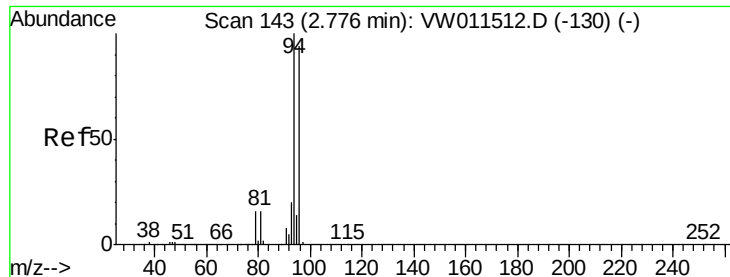
Tot Ion: 50 Resp: 49072
Ion Ratio Lower Upper
50 100
52 31.7 25.4 38.2



#4
Vinyl Chloride
Concen: 21.097 ug/l
RT: 2.35 min Scan# 74
Delta R.T. -0.01 min
Lab File: VW011511.D
Acq: 26 Jul 2019 12:24

Tgt Ion: 62 Resp: 60307
Ion Ratio Lower Upper
62 100
64 32.1 25.0 37.4





#5

Bromomethane

Concen: 19.868 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW011511.D

Acq: 26 Jul 2019 12:24

Instrument :

MSVOA_W

ClientSampleId :

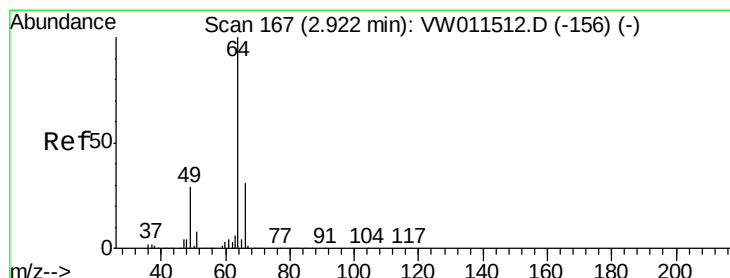
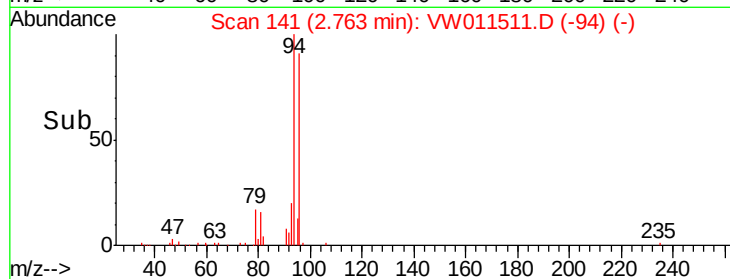
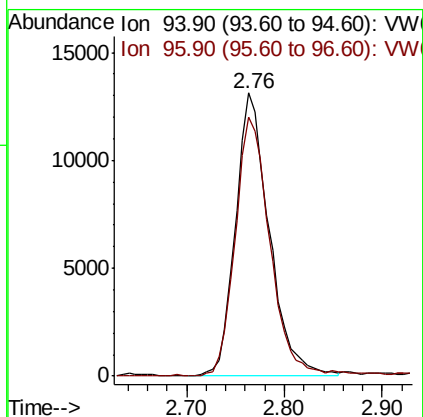
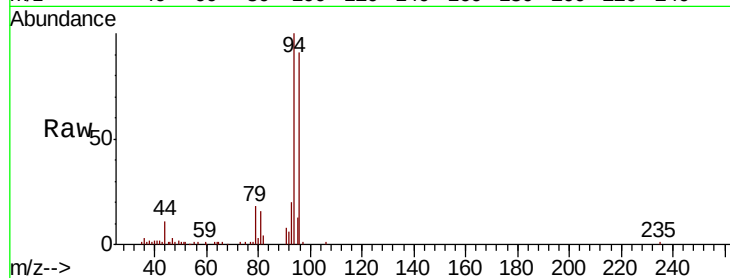
VSTDIC020

Tot Ion: 94 Resp: 31435

Ion Ratio Lower Upper

94 100

96 91.4 75.0 112.6



#6

Chloroethane

Concen: 20.145 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW011511.D

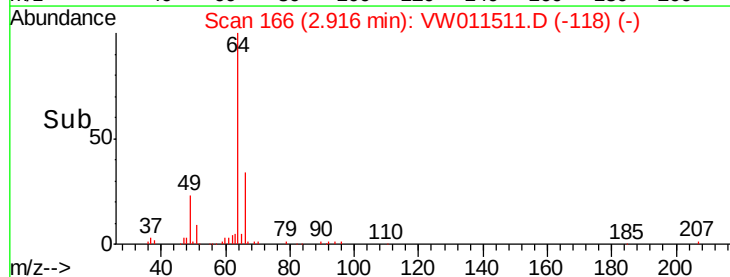
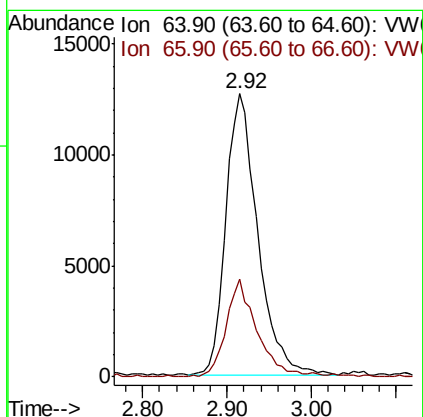
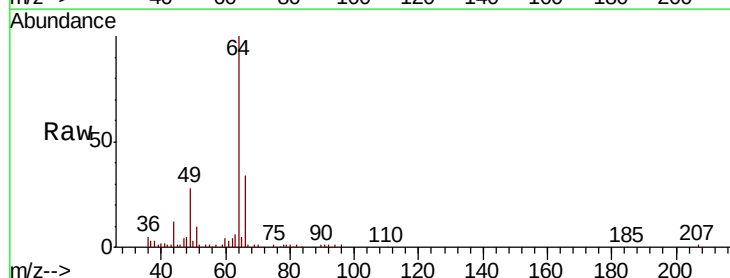
Acq: 26 Jul 2019 12:24

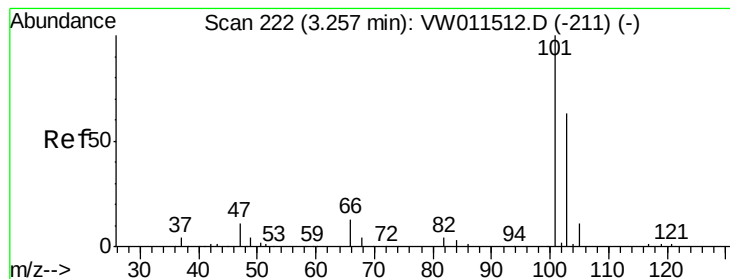
Tgt Ion: 64 Resp: 32893

Ion Ratio Lower Upper

64 100

66 34.6 24.6 36.8



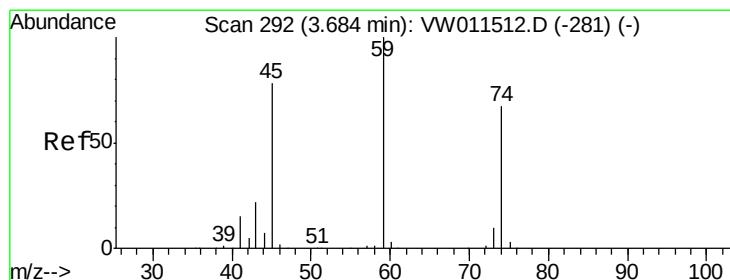
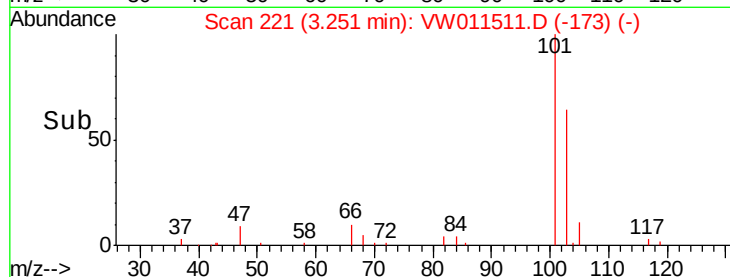
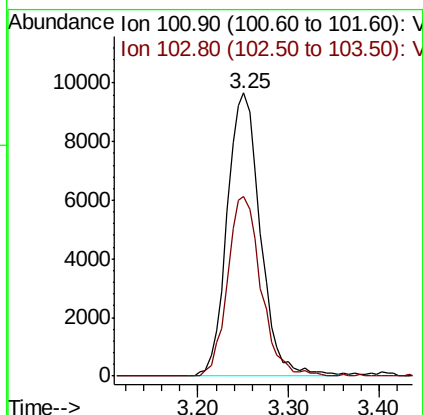
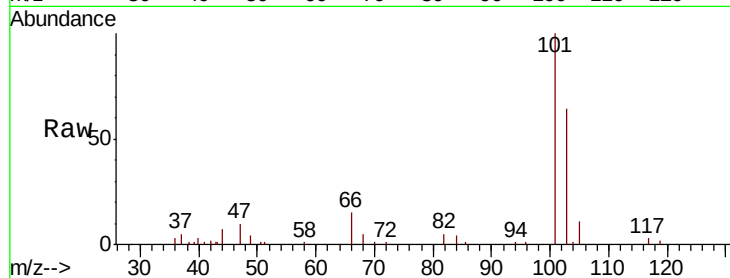


#7

Trichlorofluoromethane
Concen: 19.202 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW011511.D
Acq: 26 Jul 2019 12:24

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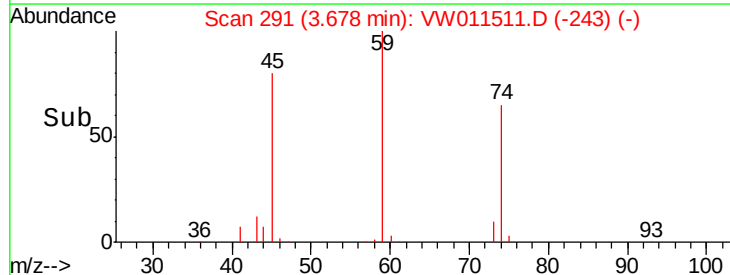
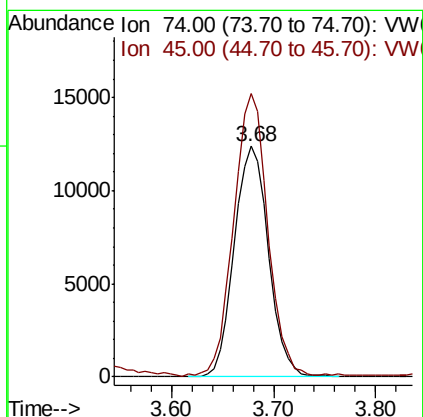
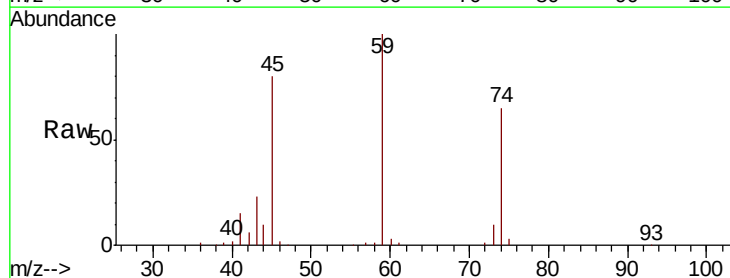
Tot Ion:101 Resp: 24531
Ion Ratio Lower Upper
101 100
103 63.6 50.2 75.4

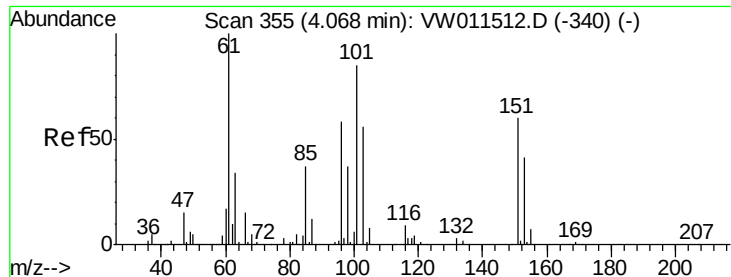


#8

Diethyl Ether
Concen: 19.931 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.01 min
Lab File: VW011511.D
Acq: 26 Jul 2019 12:24

Tgt Ion: 74 Resp: 28869
Ion Ratio Lower Upper
74 100
45 121.3 59.6 178.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.534 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW011511.D

Acq: 26 Jul 2019 12:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

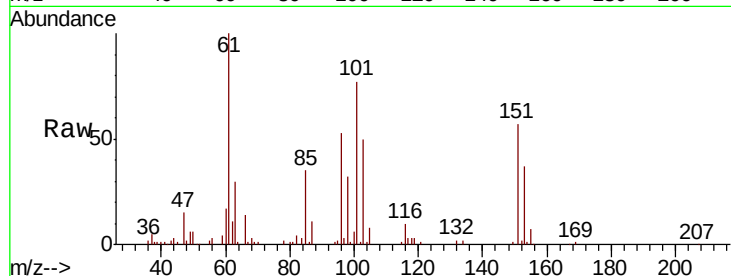
Tot Ion:101 Resp: 49762

Ion Ratio Lower Upper

101 100

85 45.9 36.6 54.8

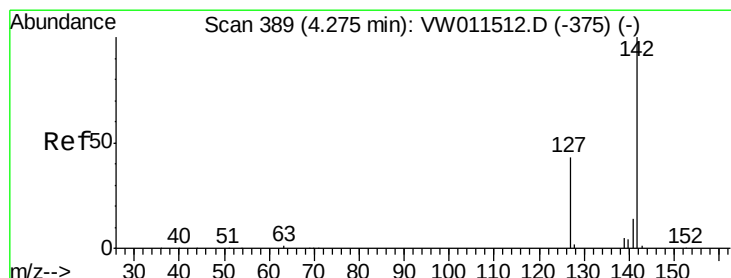
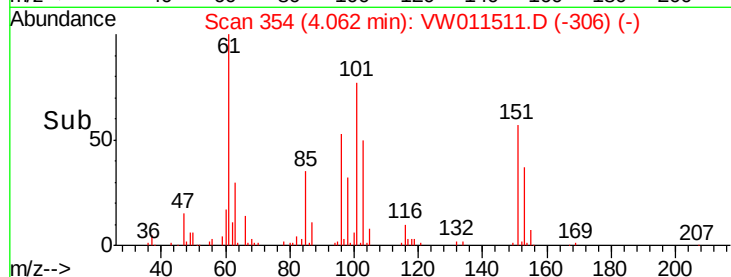
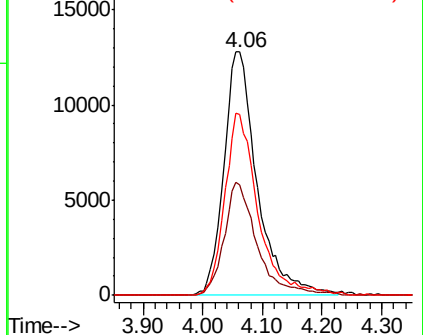
151 74.6 60.2 90.2



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: 20.268 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.01 min

Lab File: VW011511.D

Acq: 26 Jul 2019 12:24

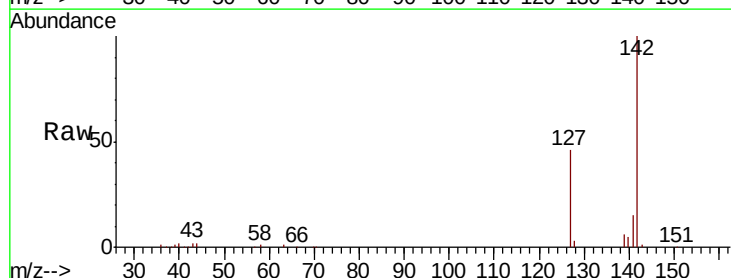
Tgt Ion:142 Resp: 69412

Ion Ratio Lower Upper

142 100

127 43.6 35.0 52.6

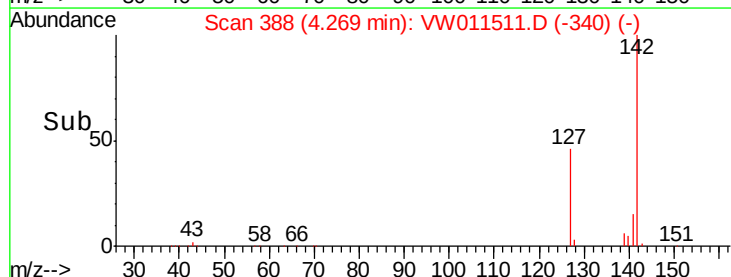
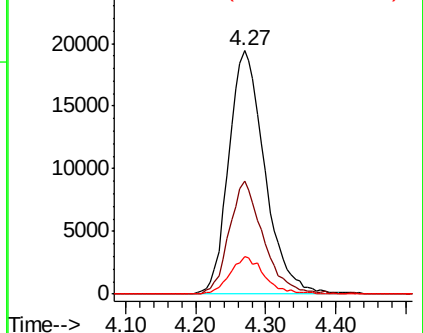
141 14.8 11.9 17.9

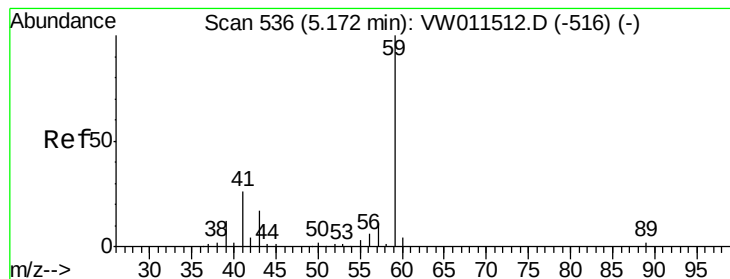


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



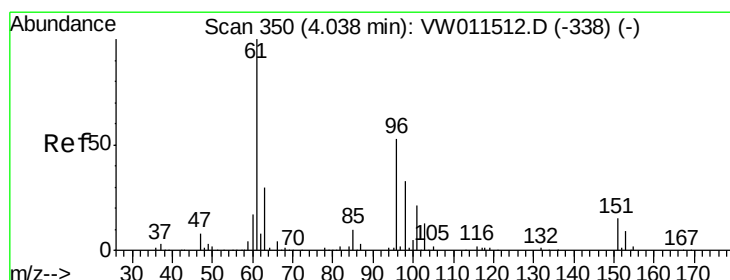
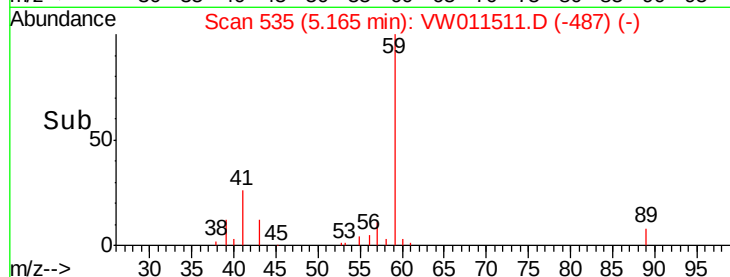
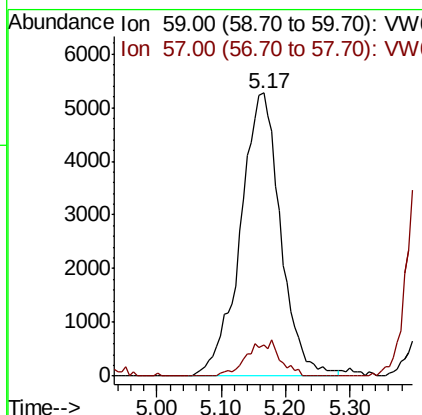
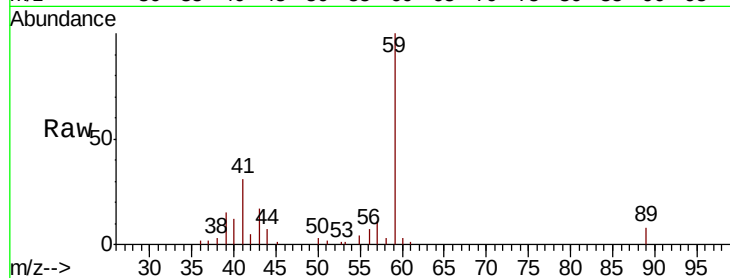


#11

Tert butyl alcohol
 Concen: 95.772 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. -0.01 min
 Lab File: VW011511.D
 Acq: 26 Jul 2019 12:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

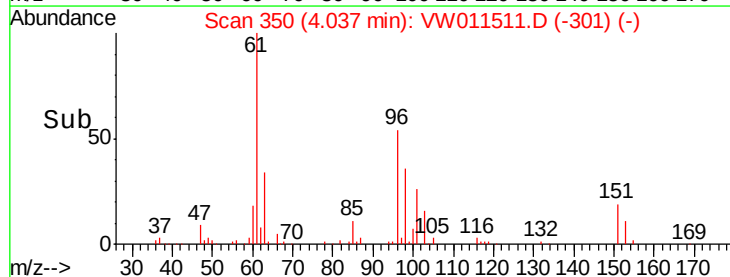
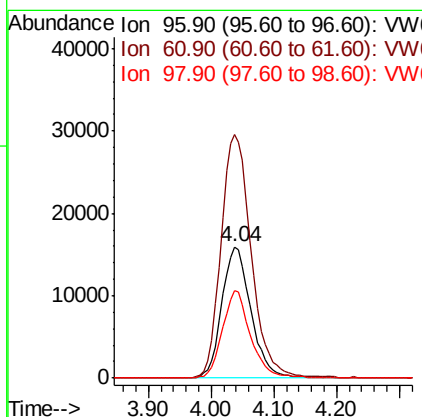
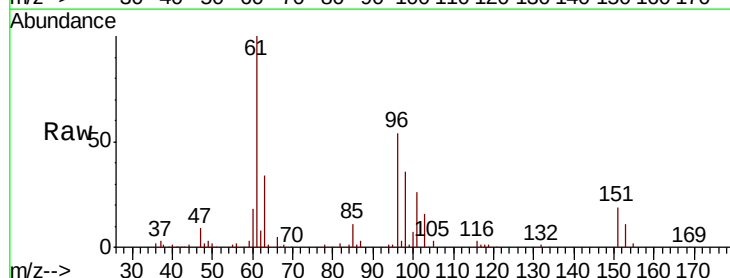
Tot Ion: 59 Resp: 22683
 Ion Ratio Lower Upper
 59 100
 57 10.2 8.5 12.7

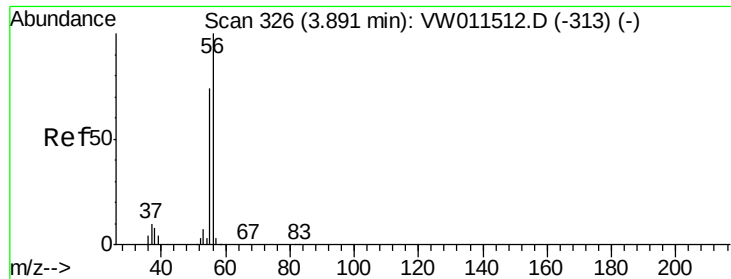


#12

1,1-Dichloroethene
 Concen: 20.100 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW011511.D
 Acq: 26 Jul 2019 12:24

Tgt Ion: 96 Resp: 51431
 Ion Ratio Lower Upper
 96 100
 61 185.7 149.9 224.9
 98 66.2 49.1 73.7

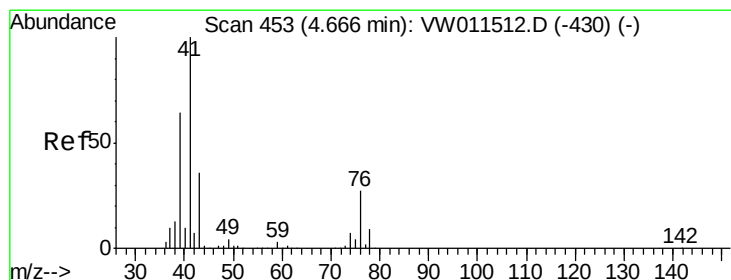
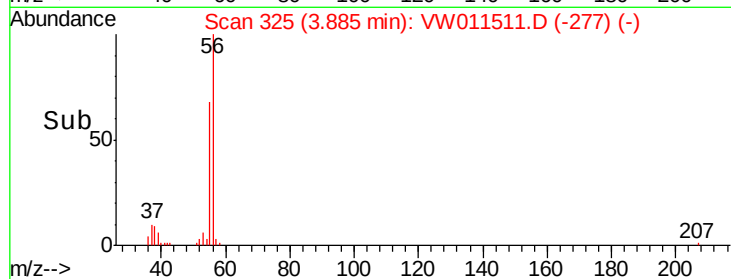
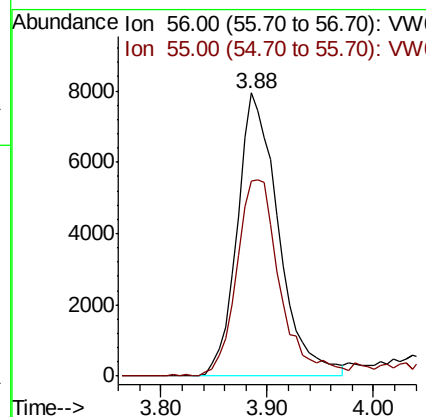
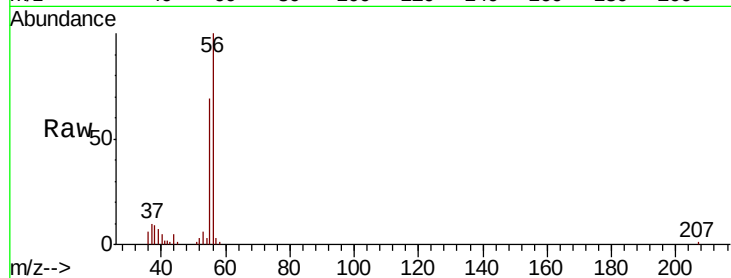




#13
 Acrolein
 Concen: 106.808 ug/l
 RT: 3.88 min Scan# 325
 Delta R.T. -0.01 min
 Lab File: VW011511.D
 Acq: 26 Jul 2019 12:24

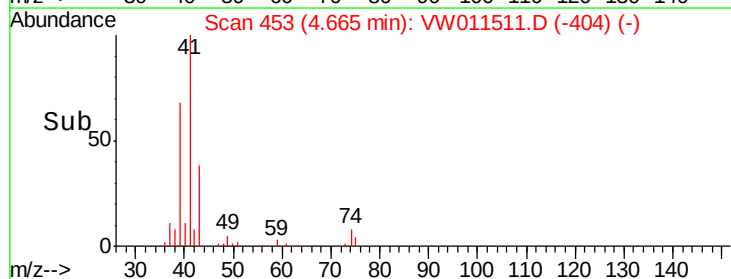
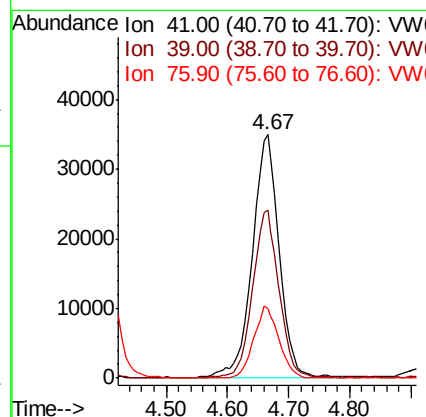
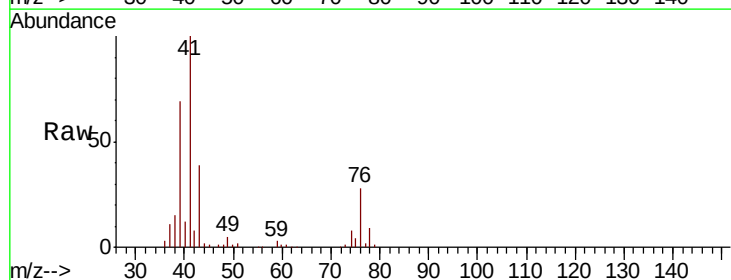
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

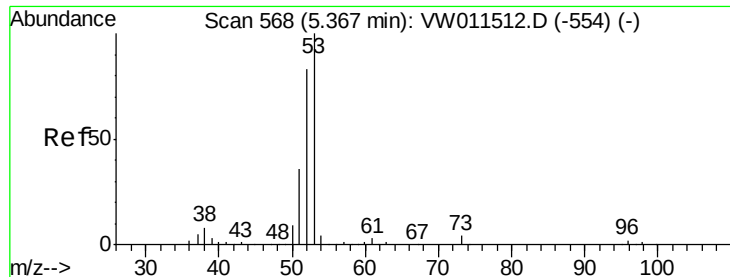
Tot Ion: 56 Resp: 21621
 Ion Ratio Lower Upper
 56 100
 55 72.5 56.0 84.0



#14
 Allyl chloride
 Concen: 19.708 ug/l
 RT: 4.67 min Scan# 453
 Delta R.T. -0.00 min
 Lab File: VW011511.D
 Acq: 26 Jul 2019 12:24

Tgt Ion: 41 Resp: 107254
 Ion Ratio Lower Upper
 41 100
 39 68.0 52.6 78.8
 76 27.8 22.0 33.0





#15

Acrylonitrile

Concen: 100.369 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW011511.D

Acq: 26 Jul 2019 12:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

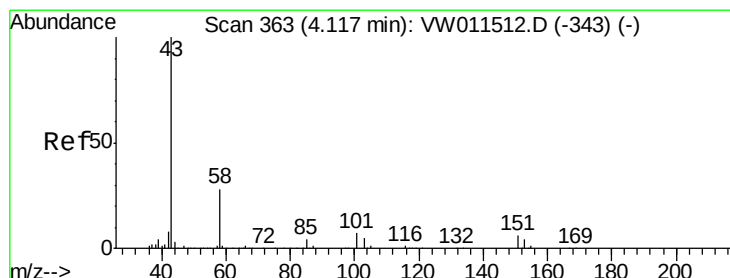
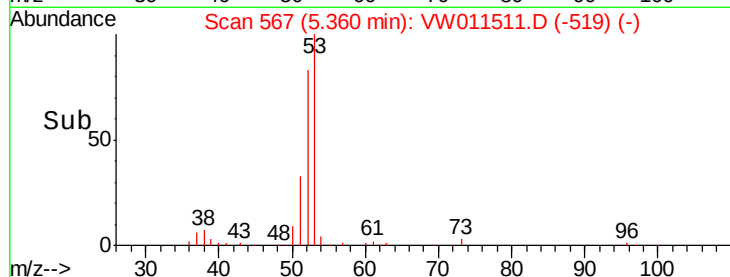
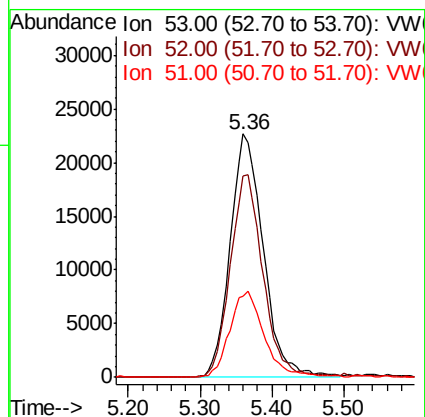
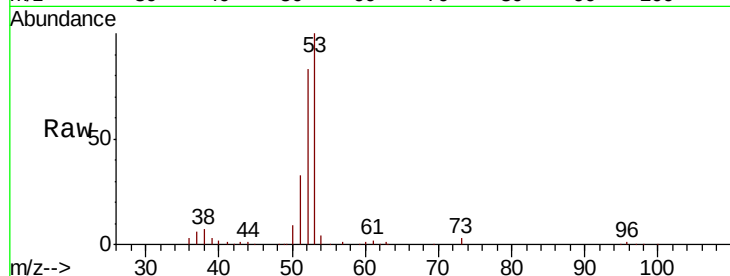
Tot Ion: 53 Resp: 72572

Ion Ratio Lower Upper

53 100

52 82.0 67.2 100.8

51 36.5 30.0 45.0



#16

Acetone

Concen: 86.980 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW011511.D

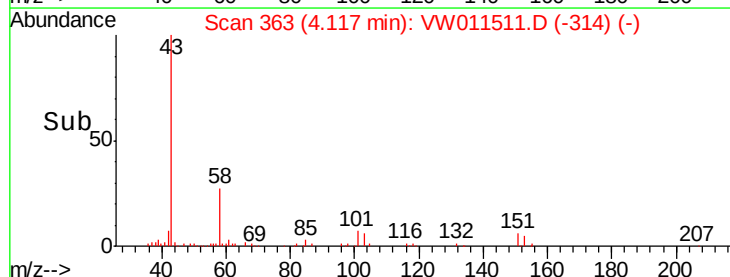
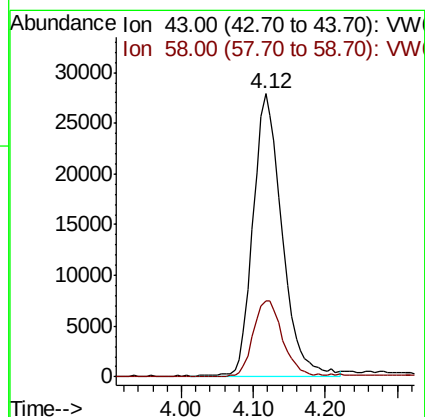
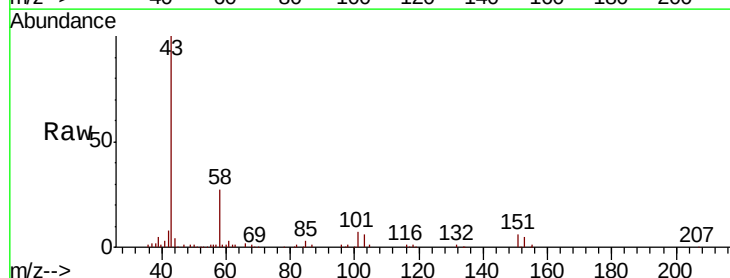
Acq: 26 Jul 2019 12:24

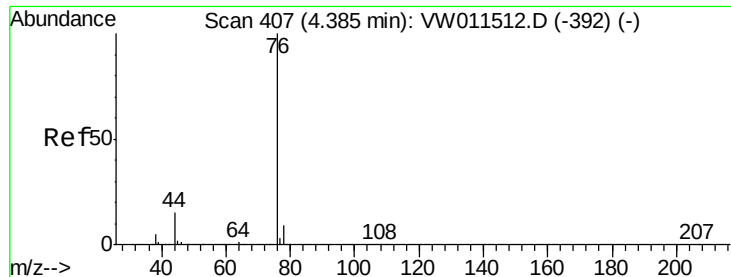
Tgt Ion: 43 Resp: 78057

Ion Ratio Lower Upper

43 100

58 26.8 22.3 33.5





#17

Carbon Disulfide

Concen: 20.176 ug/l

RT: 4.38 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW011511.D

Acq: 26 Jul 2019 12:24

Instrument :

MSVOA_W

ClientSampleId :

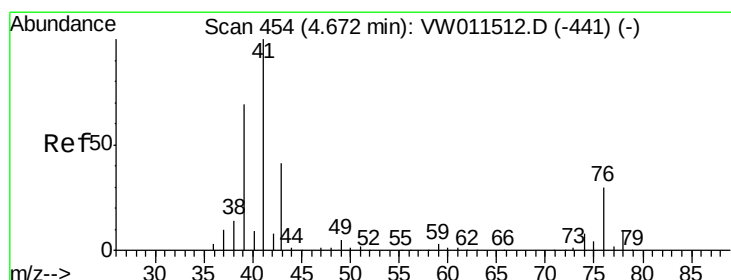
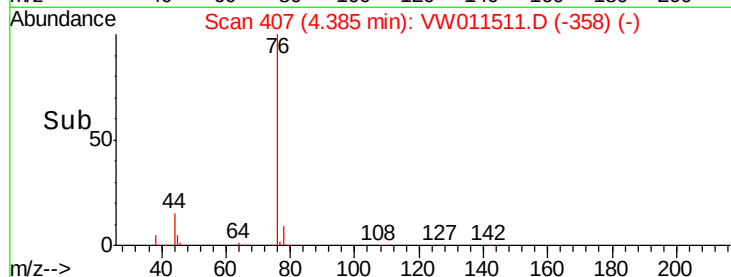
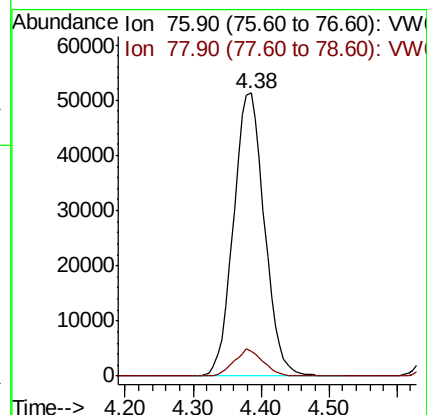
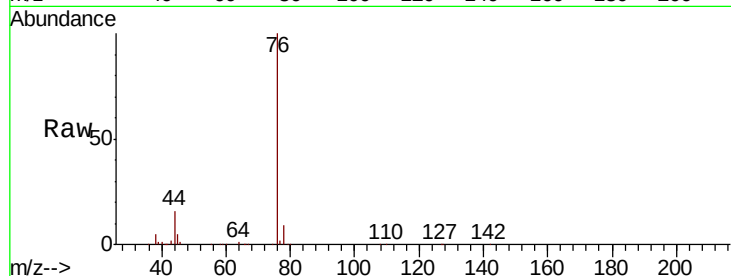
VSTDIC020

Tot Ion: 76 Resp: 161577

Ion Ratio Lower Upper

76 100

78 8.7 7.1 10.7



#18

Methyl Acetate

Concen: 19.933 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW011511.D

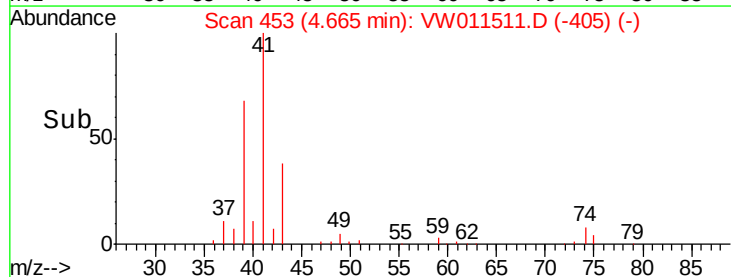
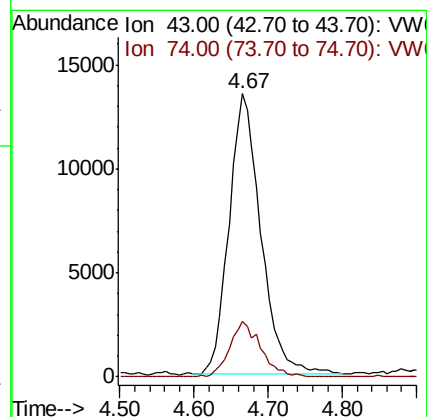
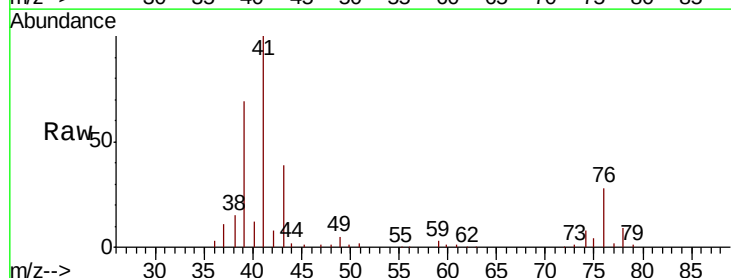
Acq: 26 Jul 2019 12:24

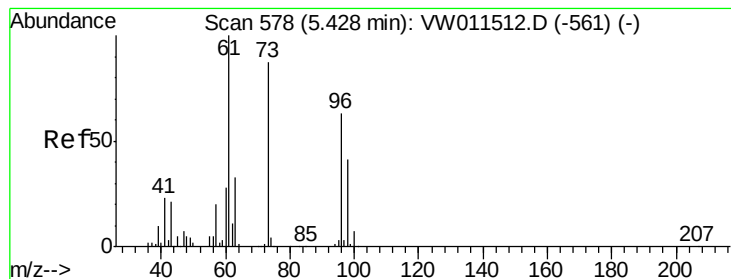
Tgt Ion: 43 Resp: 40185

Ion Ratio Lower Upper

43 100

74 19.2 15.9 23.9



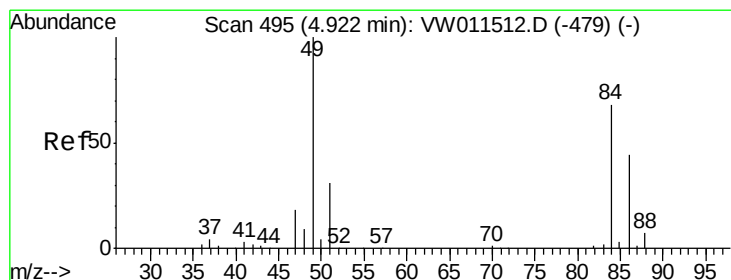
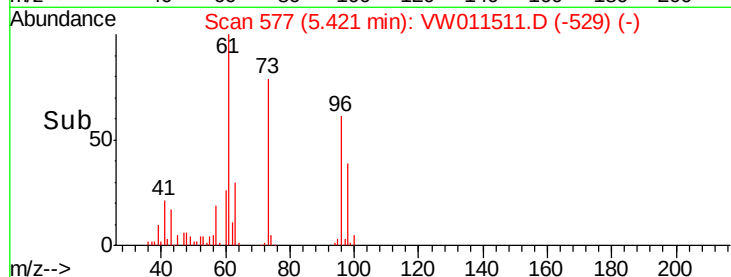
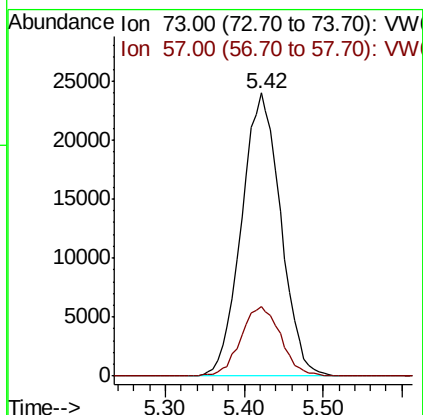
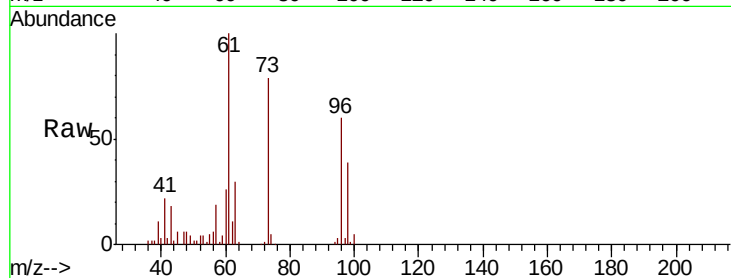


#19

Methyl tert-butyl Ether
 Concen: 20.388 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW011511.D
 Acq: 26 Jul 2019 12:24

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDIC020

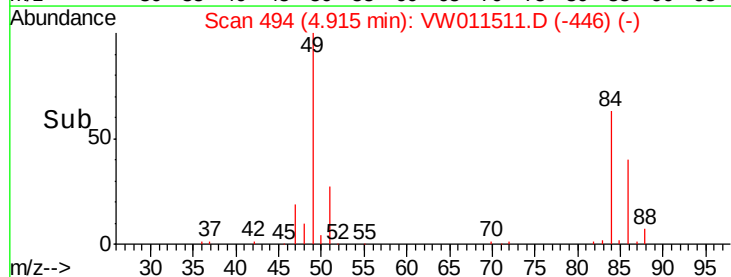
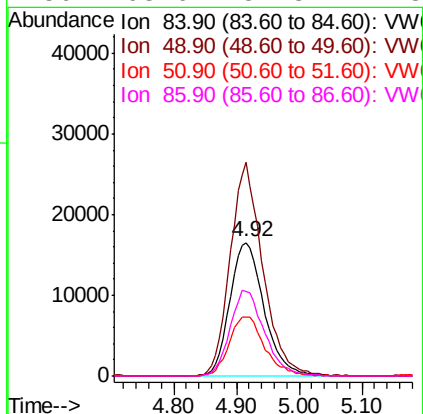
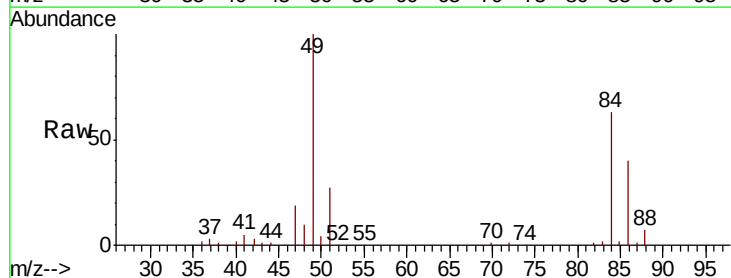
Tot Ion: 73 Resp: 82785
 Ion Ratio Lower Upper
 73 100
 57 24.6 18.4 27.6

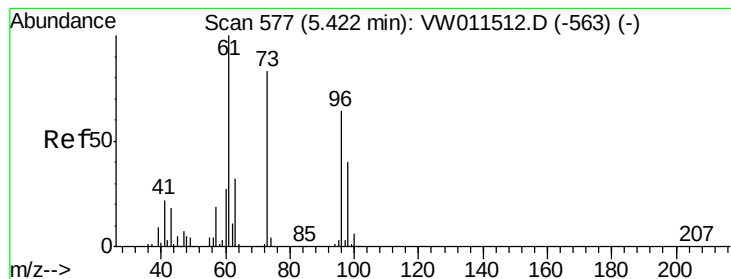


#20

Methylene Chloride
 Concen: 20.175 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. -0.01 min
 Lab File: VW011511.D
 Acq: 26 Jul 2019 12:24

Tgt Ion: 84 Resp: 62442
 Ion Ratio Lower Upper
 84 100
 49 159.8 117.8 176.6
 51 43.9 37.0 55.4
 86 63.6 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 20.208 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW011511.D

Acq: 26 Jul 2019 12:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

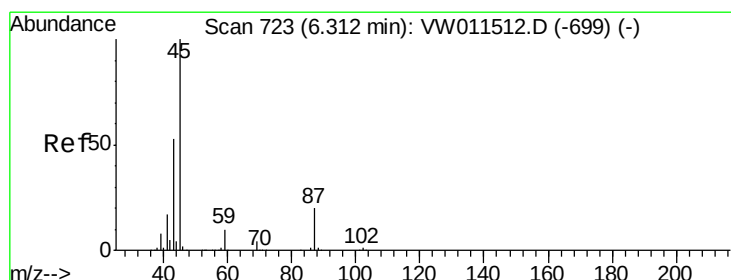
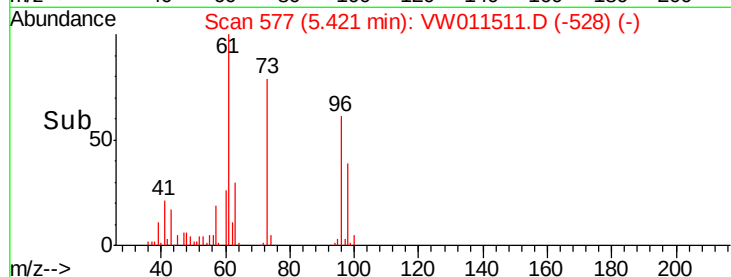
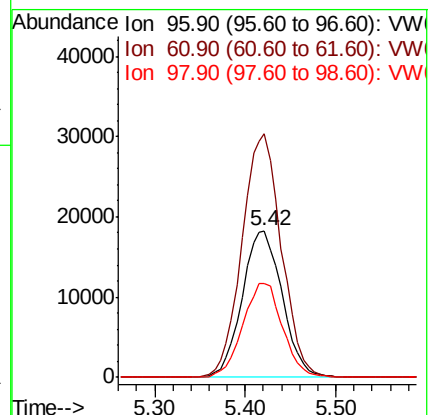
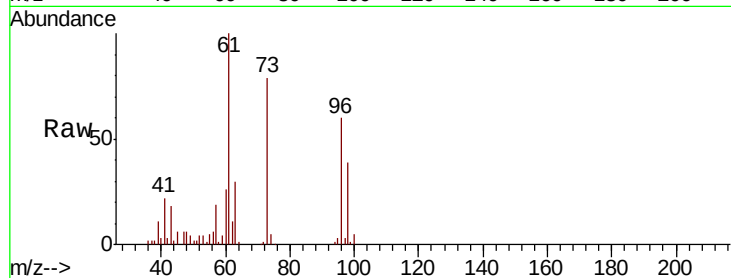
Tot Ion: 96 Resp: 55745

Ion Ratio Lower Upper

96 100

61 165.8 125.7 188.5

98 64.2 50.3 75.5



#22

Diisopropyl ether

Concen: 20.328 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW011511.D

Acq: 26 Jul 2019 12:24

Tgt Ion: 45 Resp: 208579

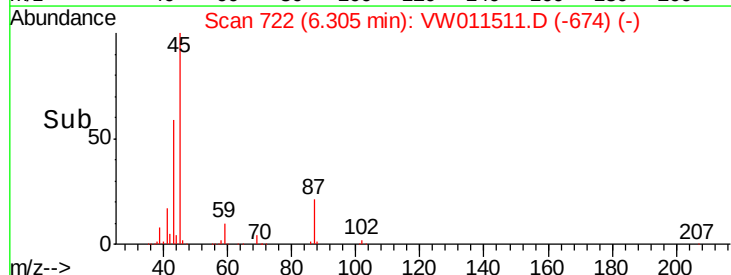
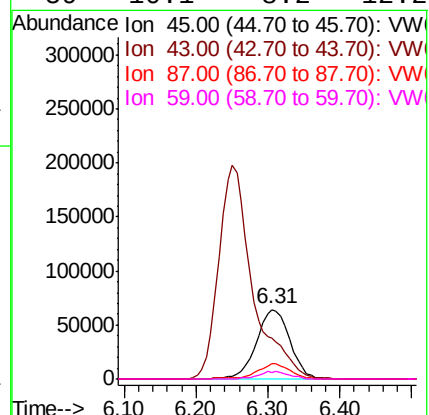
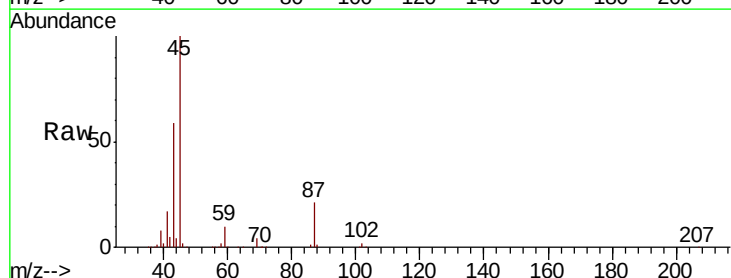
Ion Ratio Lower Upper

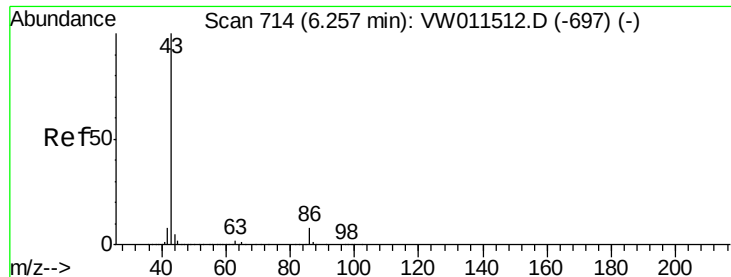
45 100

43 58.0 42.6 63.8

87 21.5 16.4 24.6

59 10.1 8.2 12.2





#23

Vinyl Acetate

Concen: 100.817 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW011511.D

Acq: 26 Jul 2019 12:24

Instrument :

MSVOA_W

ClientSampleId :

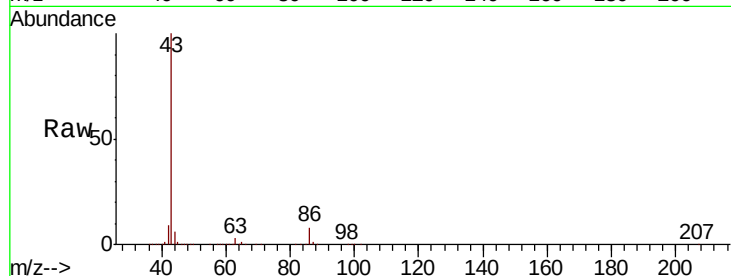
VSTDIC020

Tot Ion: 43 Resp: 649994

Ion Ratio Lower Upper

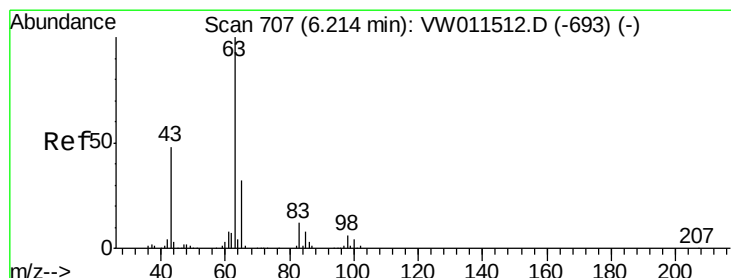
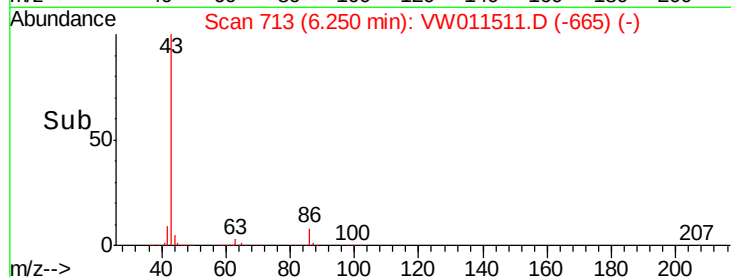
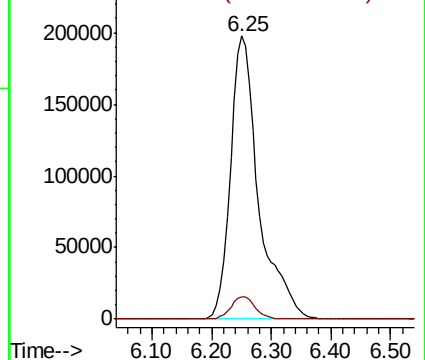
43 100

86 7.9 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 19.995 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW011511.D

Acq: 26 Jul 2019 12:24

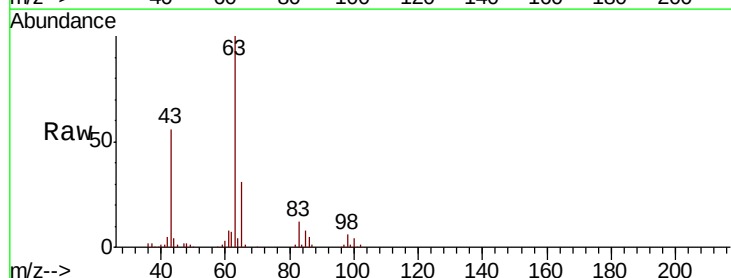
Tgt Ion: 63 Resp: 109876

Ion Ratio Lower Upper

63 100

98 6.2 2.9 8.8

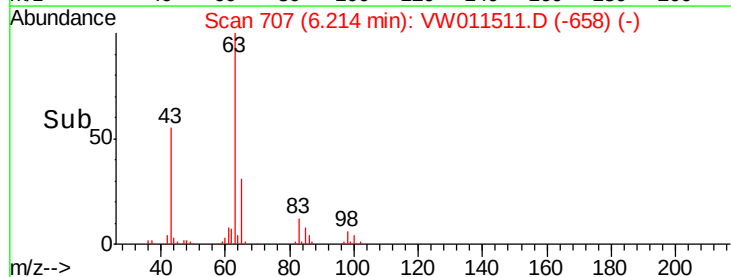
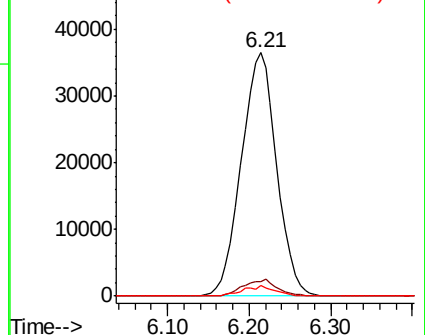
100 4.2 2.1 6.3

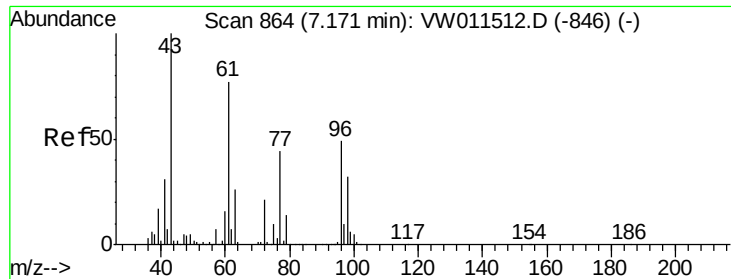


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 94.414 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW011511.D

Acq: 26 Jul 2019 12:24

Instrument :

MSVOA_W

ClientSampleId :

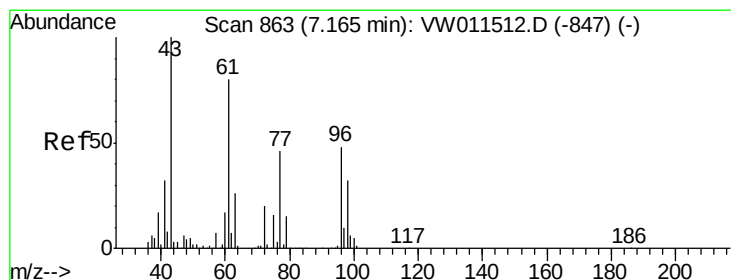
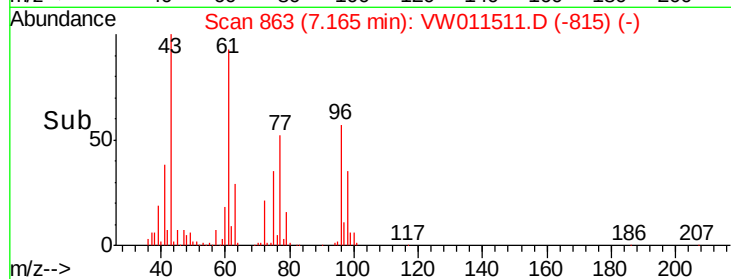
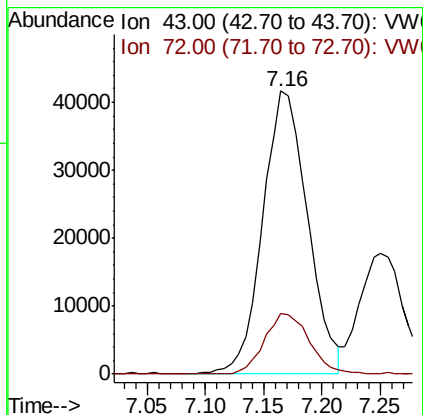
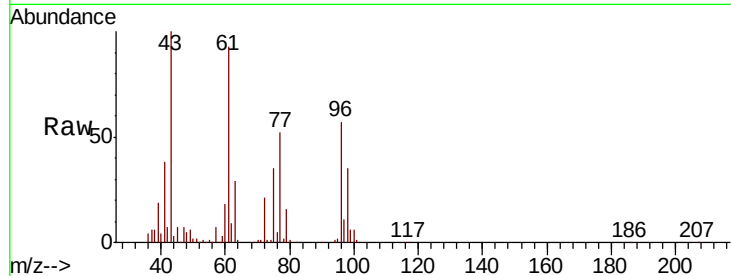
VSTDIC020

Tot Ion: 43 Resp: 110870

Ion Ratio Lower Upper

43 100

72 21.5 16.6 24.8



#26

2,2-Dichloropropane

Concen: 19.651 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW011511.D

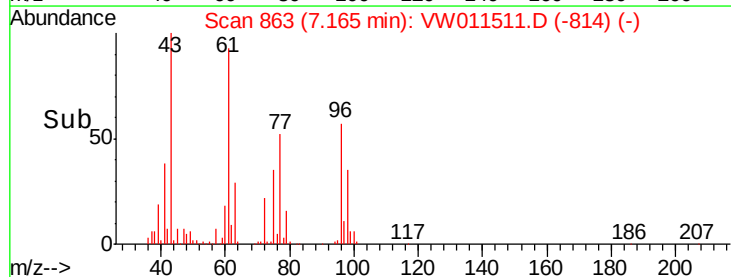
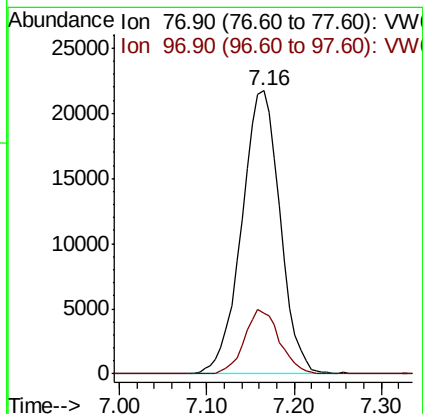
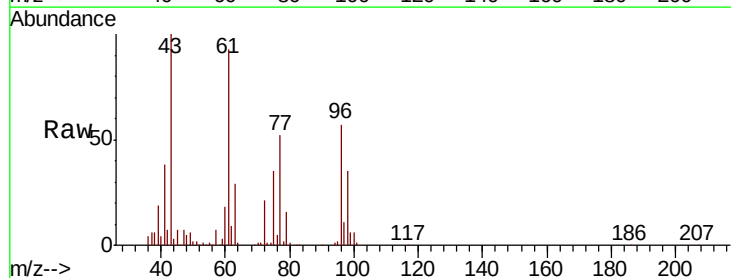
Acq: 26 Jul 2019 12:24

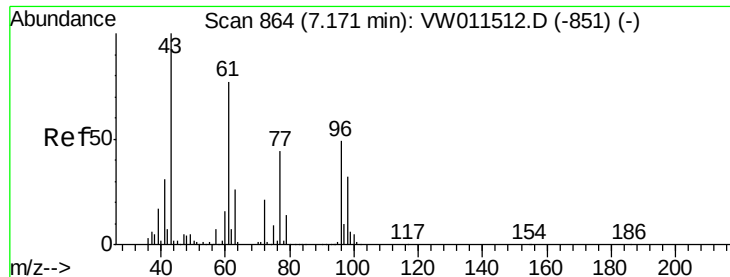
Tgt Ion: 77 Resp: 66411

Ion Ratio Lower Upper

77 100

97 20.7 10.8 32.4



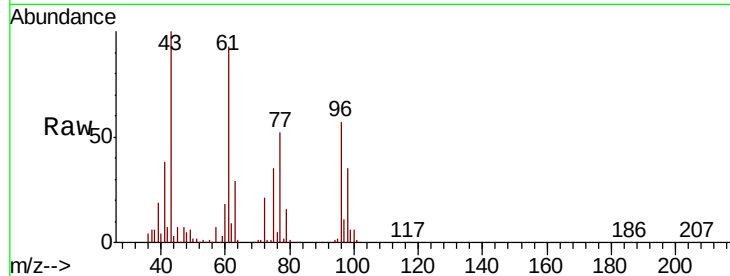


#27

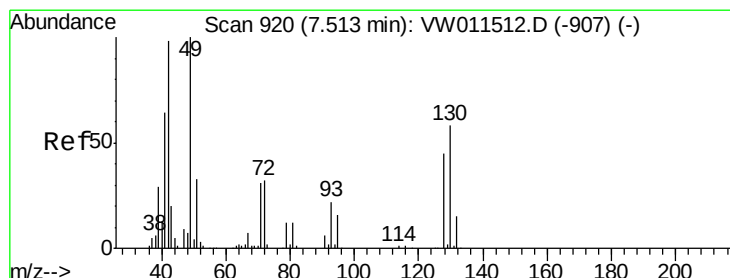
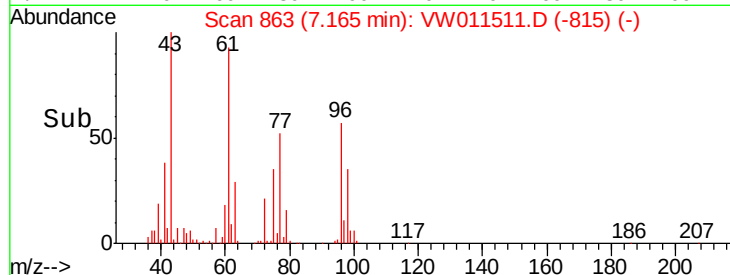
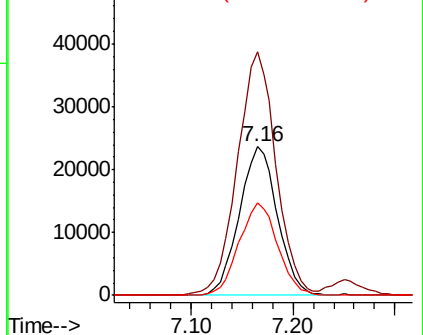
cis-1,2-Dichloroethene
 Concen: 20.214 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW011511.D
 Acq: 26 Jul 2019 12:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion: 96 Resp: 61371
 Ion Ratio Lower Upper
 96 100
 61 166.1 0.0 328.4
 98 62.9 0.0 128.8



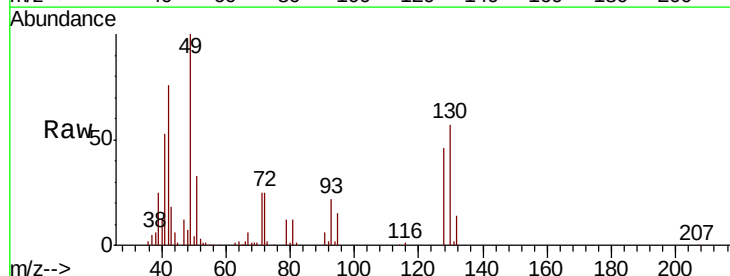
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



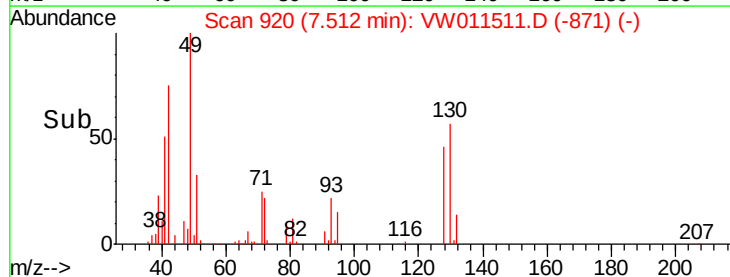
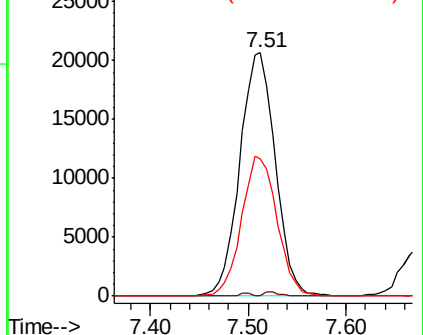
#28

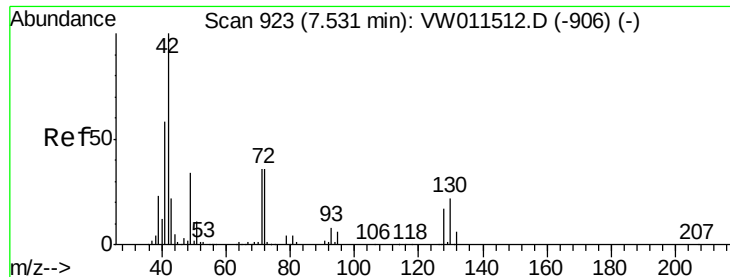
Bromochloromethane
 Concen: 21.396 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW011511.D
 Acq: 26 Jul 2019 12:24

Tgt Ion: 49 Resp: 52187
 Ion Ratio Lower Upper
 49 100
 129 0.7 0.0 1.0
 130 57.3 46.3 69.5



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

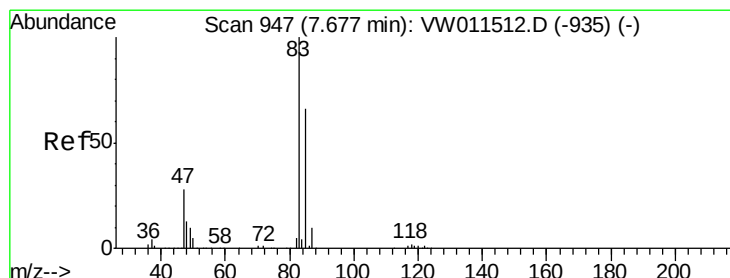
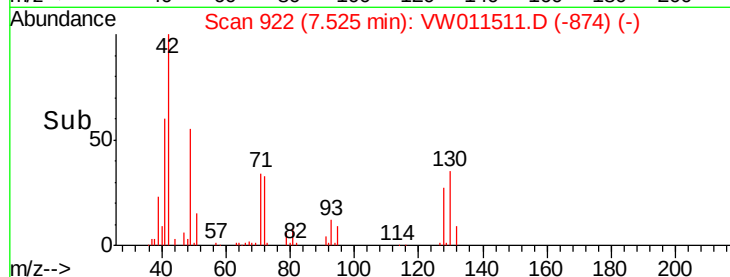
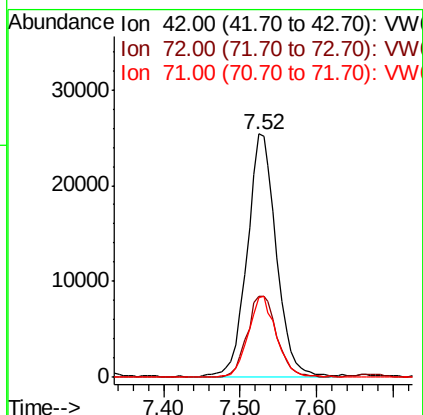
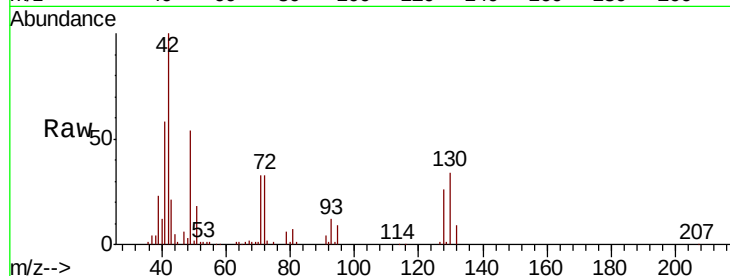




#29
Tetrahydrofuran
Concen: 100.078 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW011511.D
Acq: 26 Jul 2019 12:24

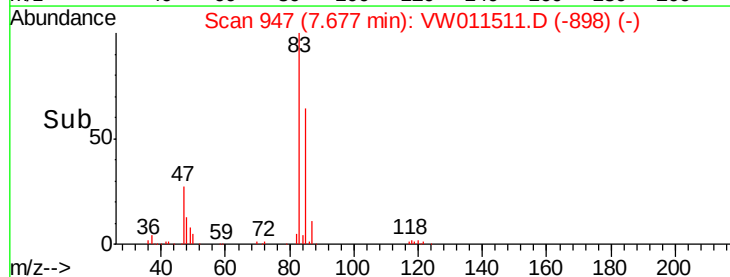
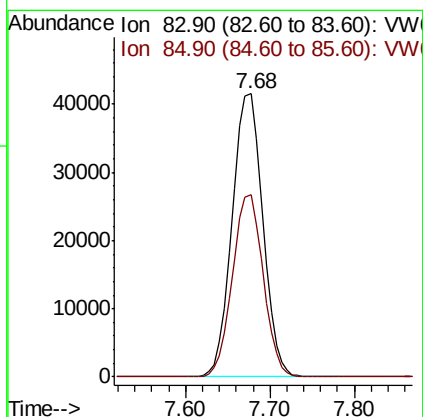
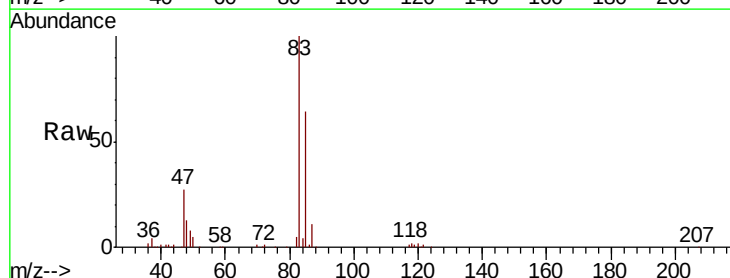
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

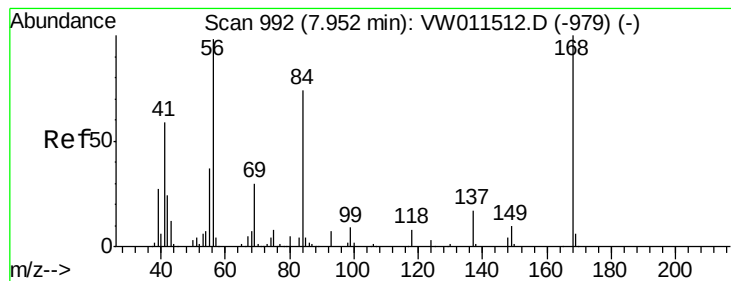
Tot Ion: 42 Resp: 67176
Ion Ratio Lower Upper
42 100
72 34.1 27.1 40.7
71 32.5 26.2 39.4



#30
Chloroform
Concen: 20.169 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW011511.D
Acq: 26 Jul 2019 12:24

Tgt Ion: 83 Resp: 102251
Ion Ratio Lower Upper
83 100
85 64.3 52.5 78.7





#31

Cyclohexane

Concen: 20.287 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW011511.D

Acq: 26 Jul 2019 12:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

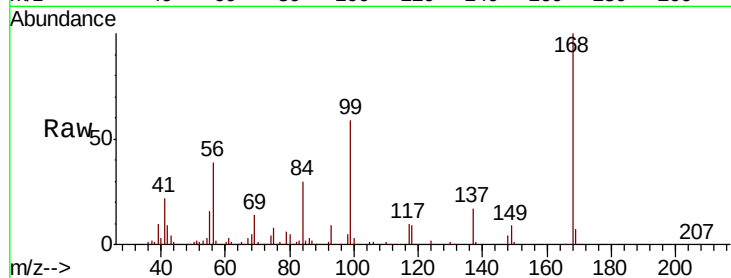
Tot Ion: 56 Resp: 107011

Ion Ratio Lower Upper

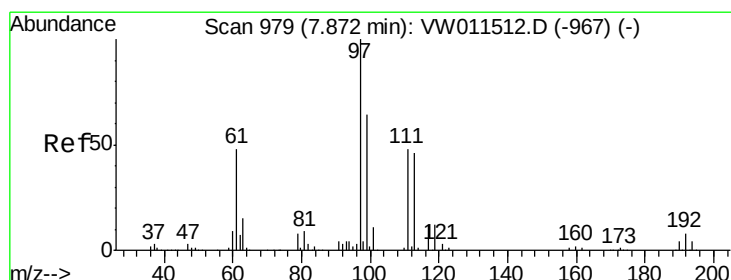
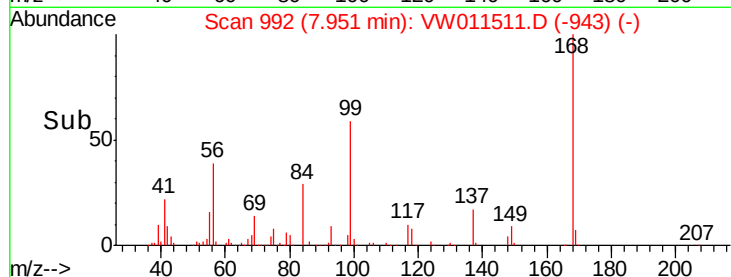
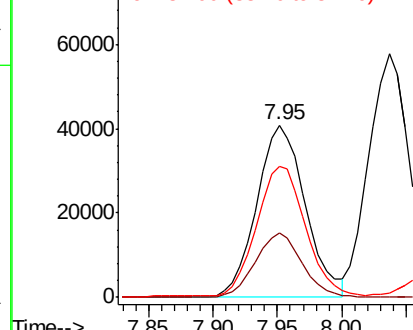
56 100

69 37.2 24.3 36.5#

84 74.9 60.4 90.6



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: 20.148 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW011511.D

Acq: 26 Jul 2019 12:24

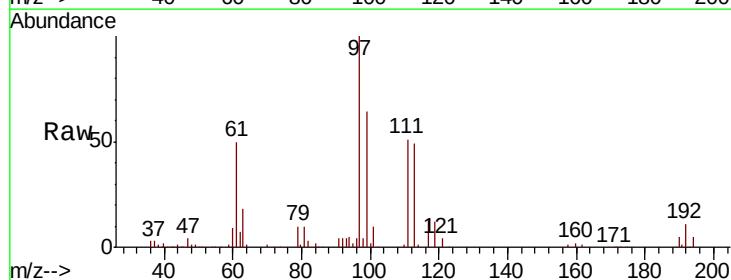
Tgt Ion: 97 Resp: 77790

Ion Ratio Lower Upper

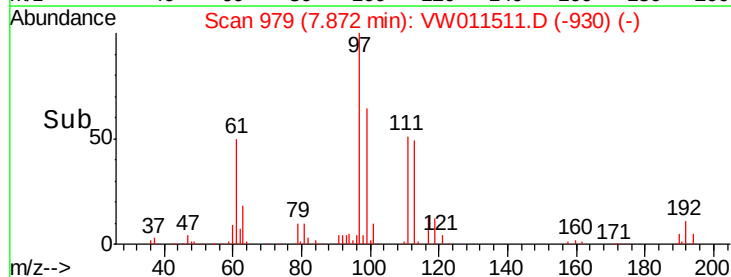
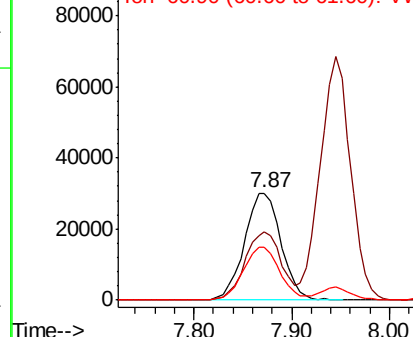
97 100

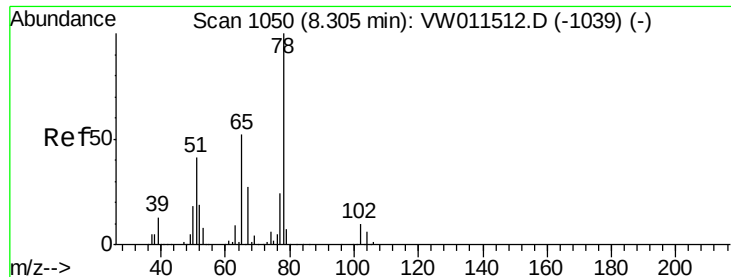
99 63.1 51.0 76.6

61 49.6 39.8 59.6



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

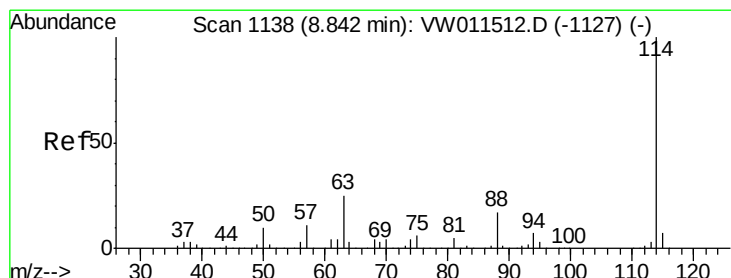
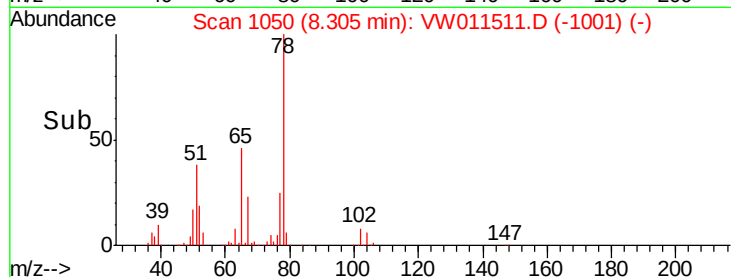
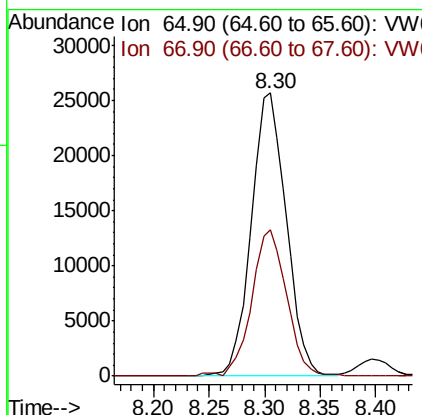
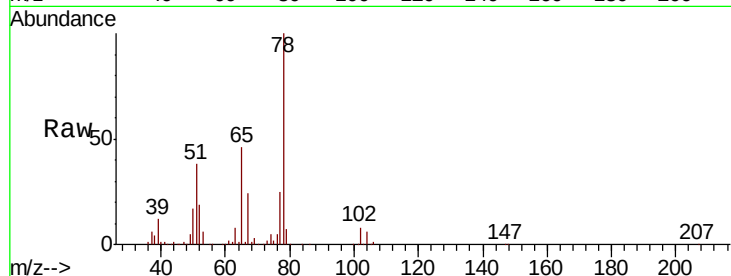




#33
 1,2-Dichloroethane-d4
 Concen: 19.964 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011511.D
 Acq: 26 Jul 2019 12:24

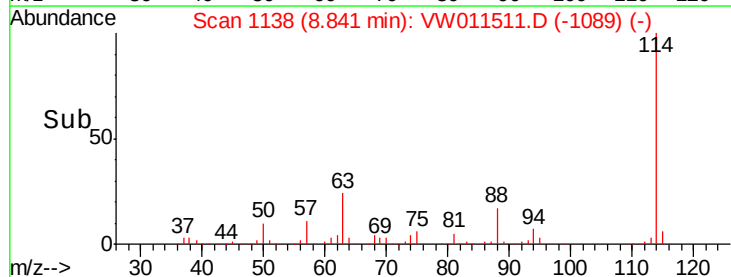
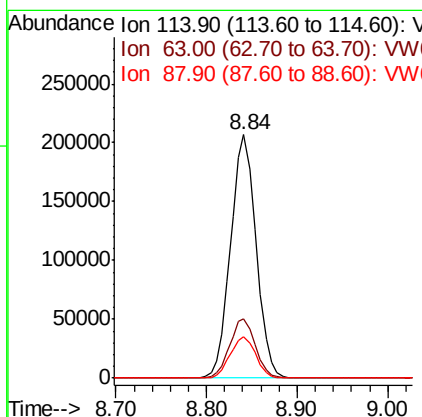
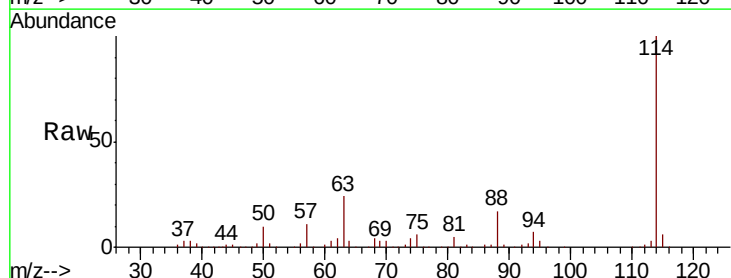
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

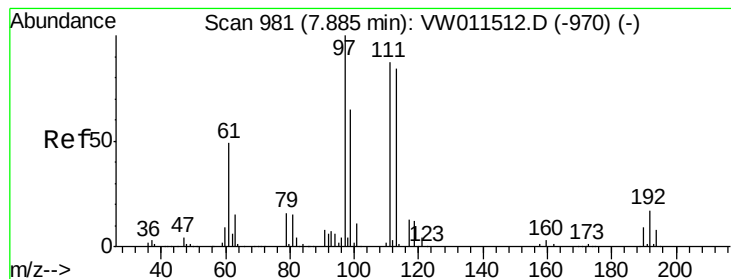
Tot Ion: 65 Resp: 56323
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011511.D
 Acq: 26 Jul 2019 12:24

Tgt Ion: 114 Resp: 402557
 Ion Ratio Lower Upper
 114 100
 63 24.2 0.0 49.2
 88 17.0 0.0 33.8





#35

Dibromofluoromethane

Concen: 19.888 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW011511.D

Acq: 26 Jul 2019 12:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

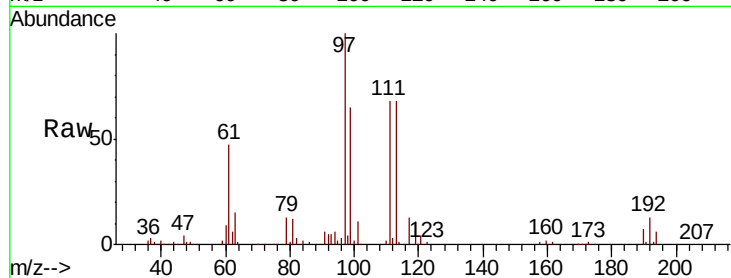
Tot Ion:113 Resp: 44915

Ion Ratio Lower Upper

113 100

111 102.1 82.7 124.1

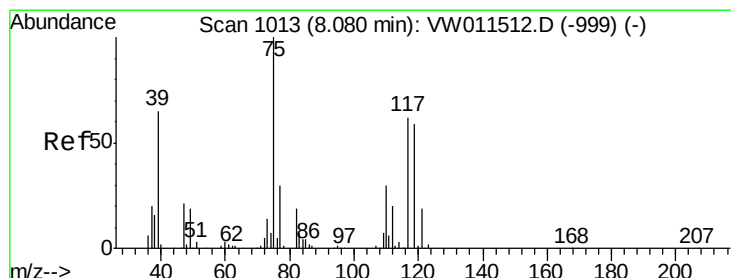
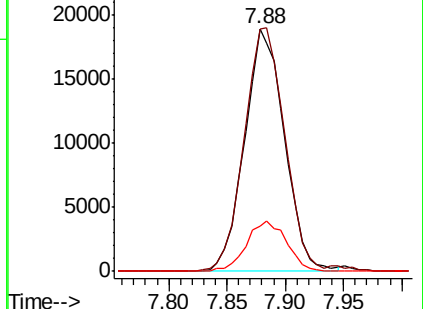
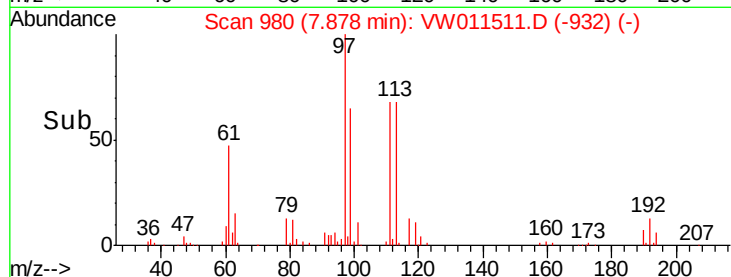
192 20.7 16.1 24.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.171 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW011511.D

Acq: 26 Jul 2019 12:24

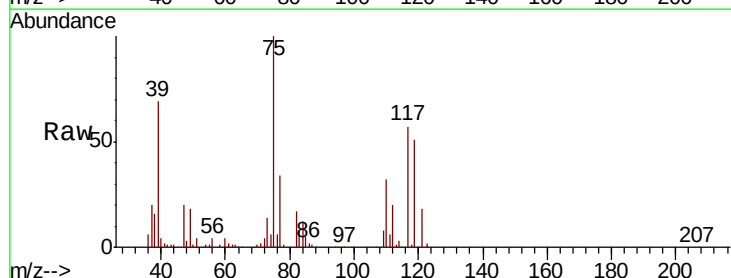
Tgt Ion: 75 Resp: 84435

Ion Ratio Lower Upper

75 100

110 31.7 15.6 46.8

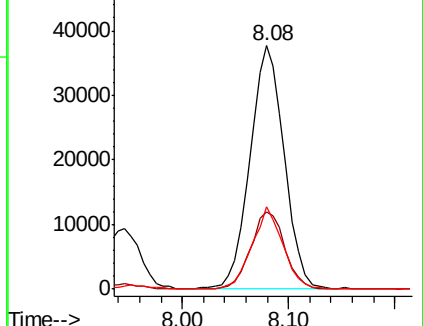
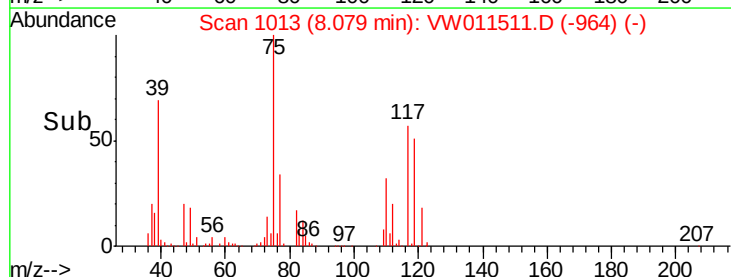
77 30.8 24.3 36.5

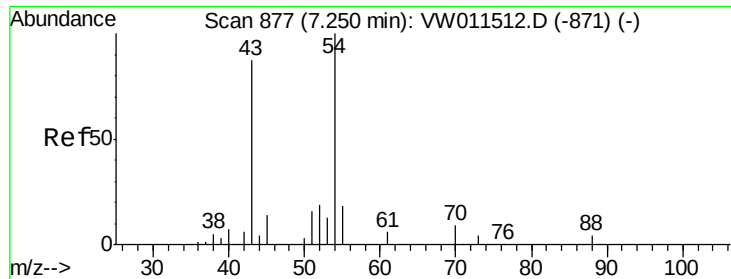


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

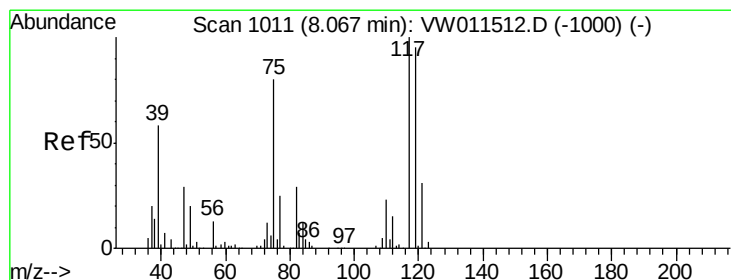
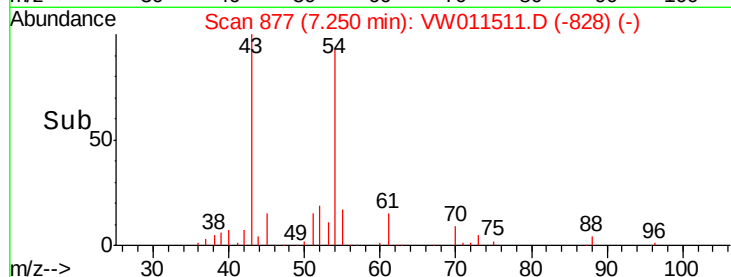
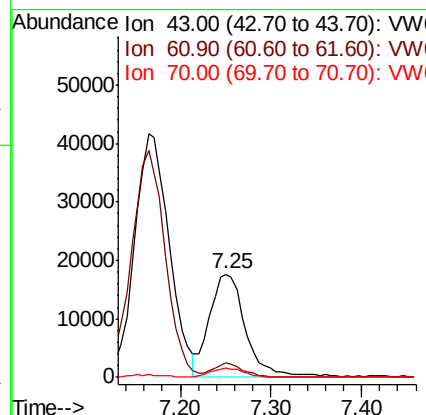
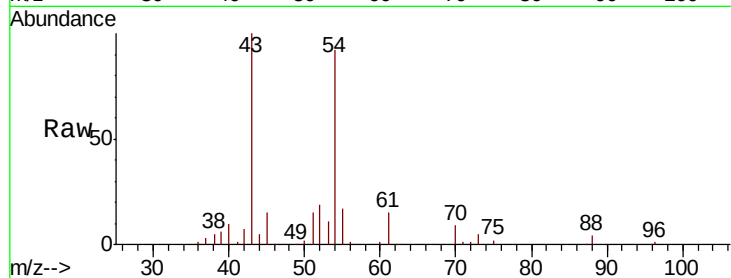




#37
Ethyl Acetate
Concen: 19.976 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW011511.D
Acq: 26 Jul 2019 12:24

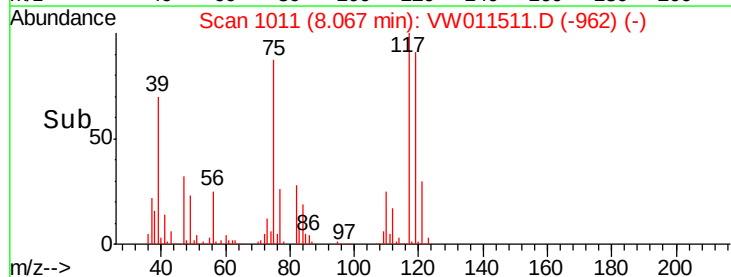
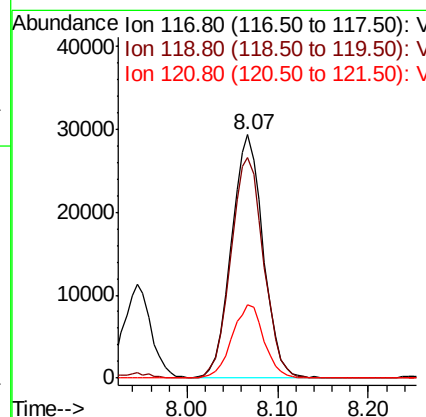
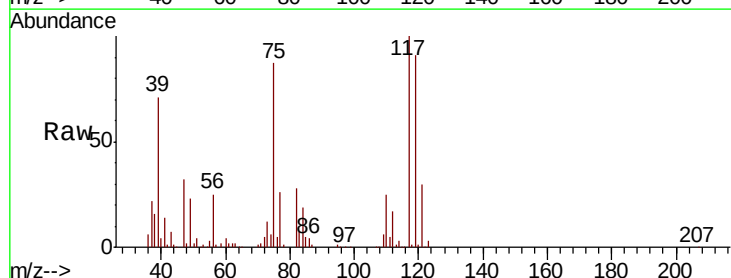
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

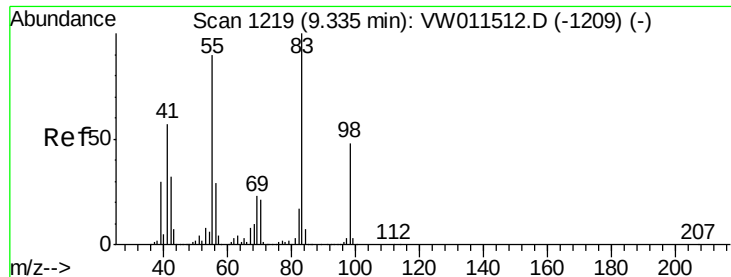
Tot Ion: 43 Resp: 48107
Ion Ratio Lower Upper
43 100
61 11.3 8.8 13.2
70 8.9 7.1 10.7



#38
Carbon Tetrachloride
Concen: 19.905 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW011511.D
Acq: 26 Jul 2019 12:24

Tgt Ion: 117 Resp: 71326
Ion Ratio Lower Upper
117 100
119 90.7 75.8 113.6
121 30.4 24.7 37.1

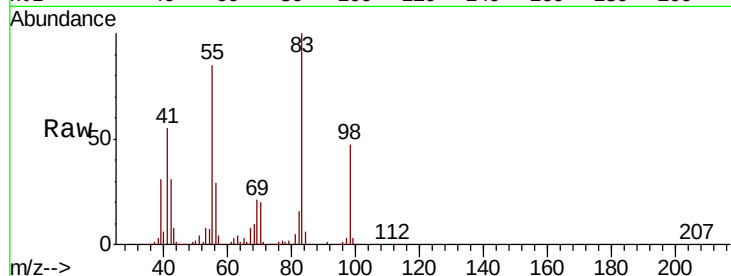




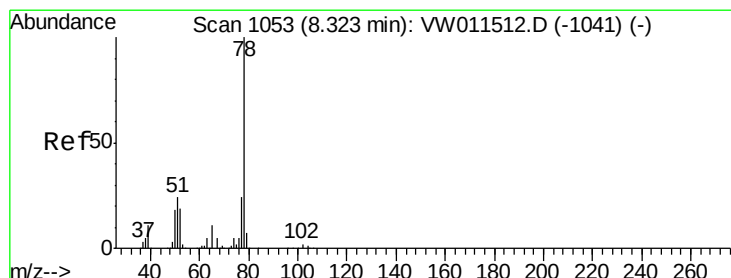
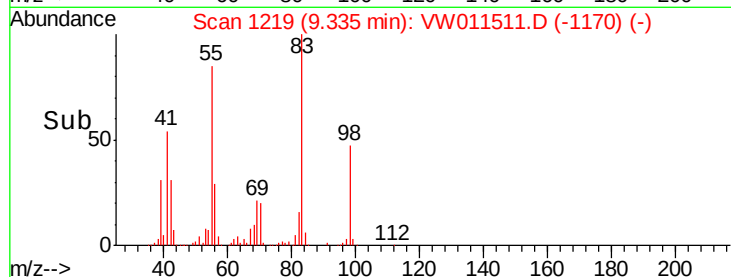
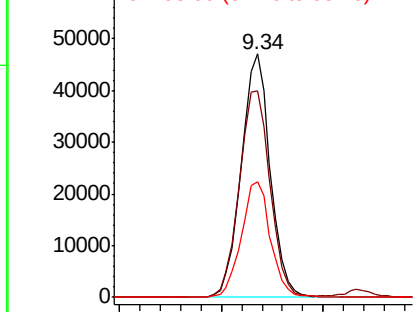
#39
Methylvlcyclohexane
Concen: 20.130 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW011511.D
Acq: 26 Jul 2019 12:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion: 83 Resp: 92782
Ion Ratio Lower Upper
83 100
55 85.0 72.1 108.1
98 47.4 38.6 57.8

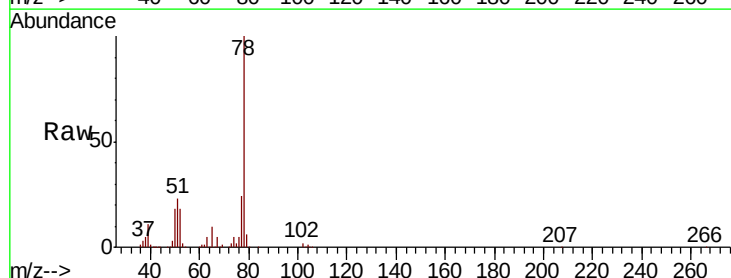


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

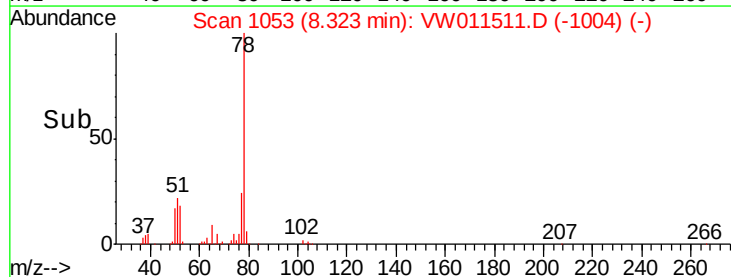
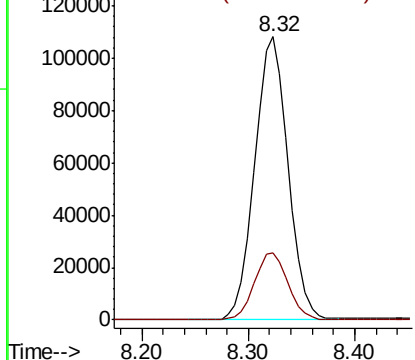


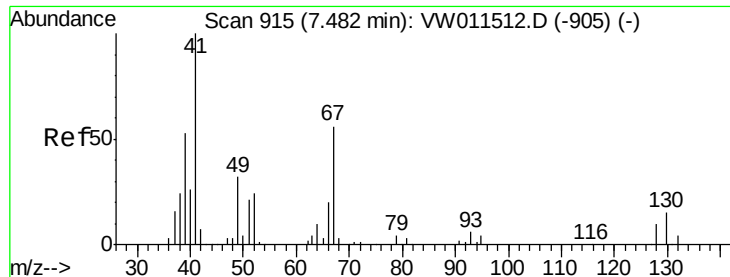
#40
Benzene
Concen: 20.250 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW011511.D
Acq: 26 Jul 2019 12:24

Tgt Ion: 78 Resp: 237428
Ion Ratio Lower Upper
78 100
77 23.8 19.4 29.0



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





#41

Methacrylonitrile

Concen: 21.859 ug/l

RT: 7.48 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW011511.D

Acq: 26 Jul 2019 12:24

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 41 Resp: 31468

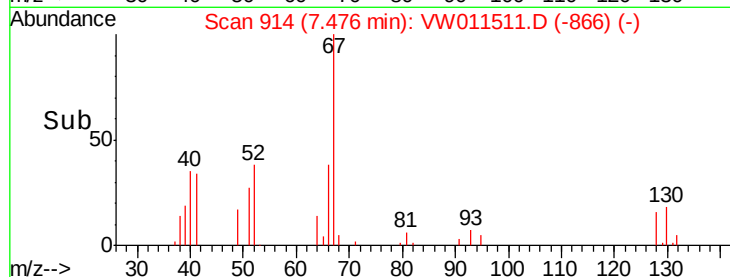
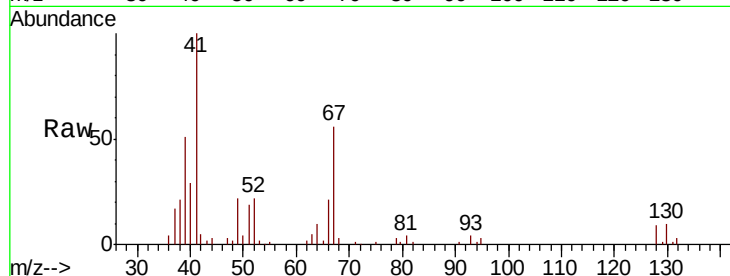
Ion Ratio Lower Upper

41 100

39 54.3 43.0 64.4

67 52.3 47.5 71.3

52 24.3 21.0 31.6

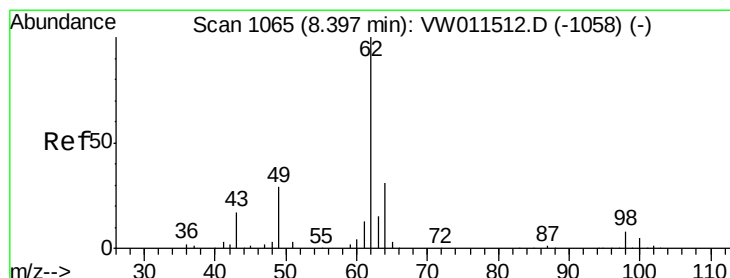
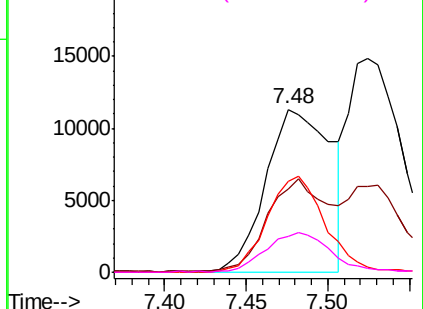


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 19.998 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW011511.D

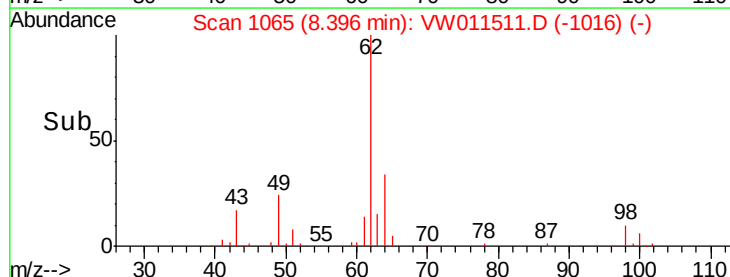
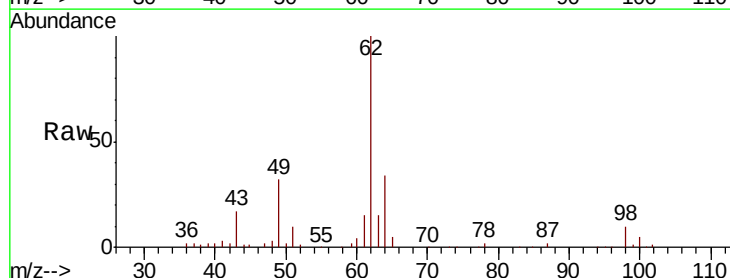
Acq: 26 Jul 2019 12:24

Tgt Ion: 62 Resp: 73412

Ion Ratio Lower Upper

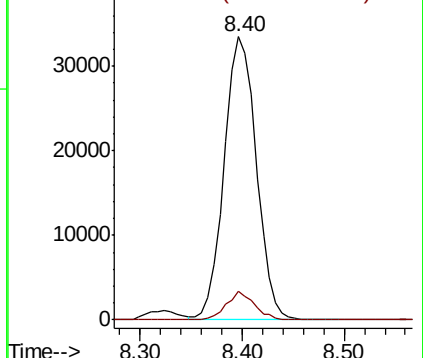
62 100

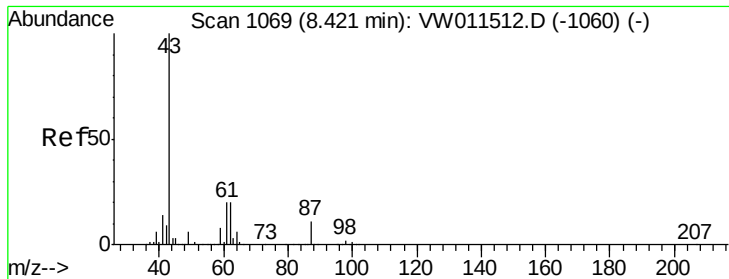
98 8.8 0.0 16.8



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 19.369 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW011511.D

Acq: 26 Jul 2019 12:24

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

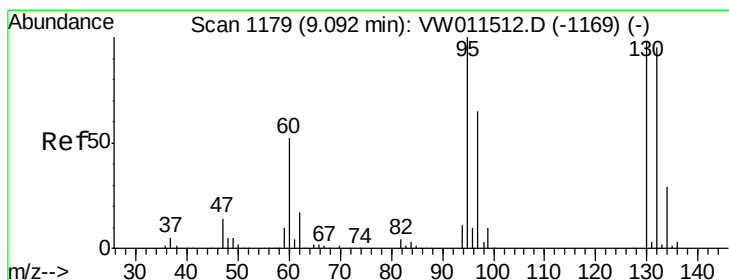
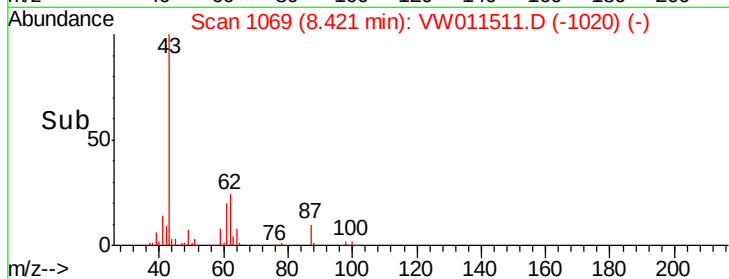
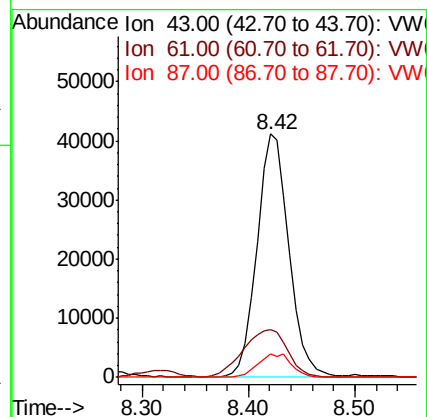
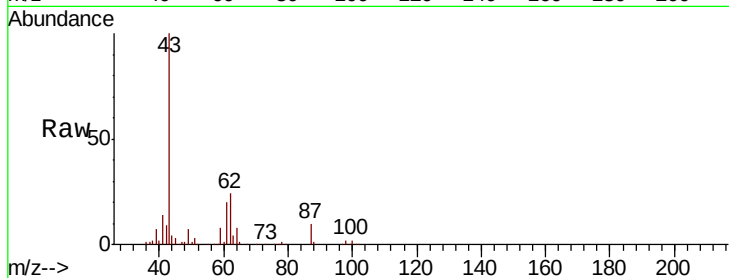
Tot Ion: 43 Resp: 85786

Ion Ratio Lower Upper

43 100

61 27.7 21.5 32.3

87 10.4 8.4 12.6



#44

Trichloroethene

Concen: 19.835 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW011511.D

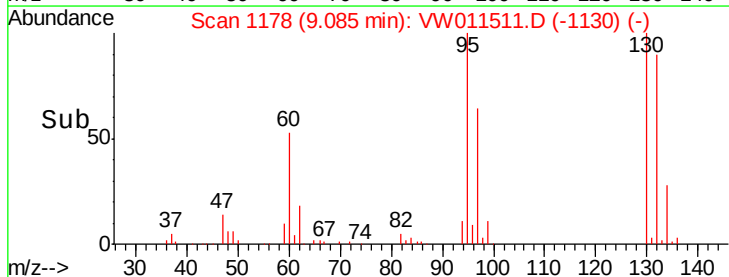
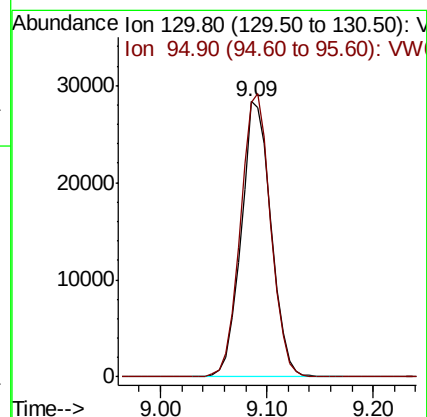
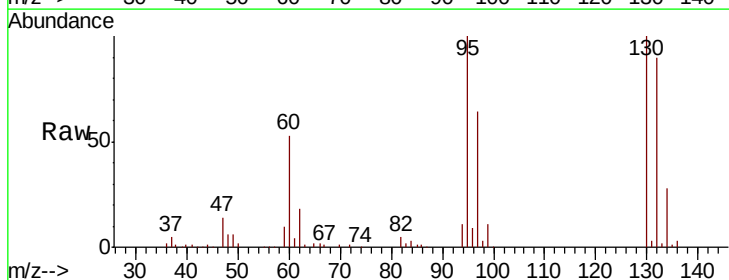
Acq: 26 Jul 2019 12:24

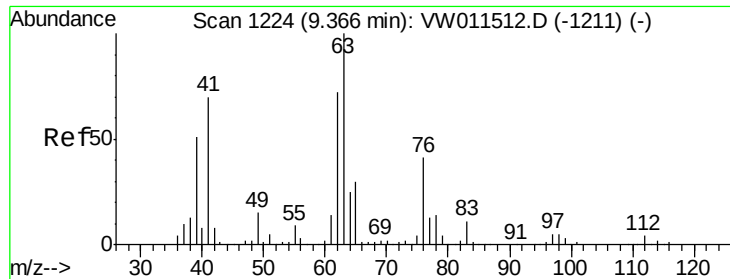
Tgt Ion: 130 Resp: 55897

Ion Ratio Lower Upper

130 100

95 99.6 0.0 204.8

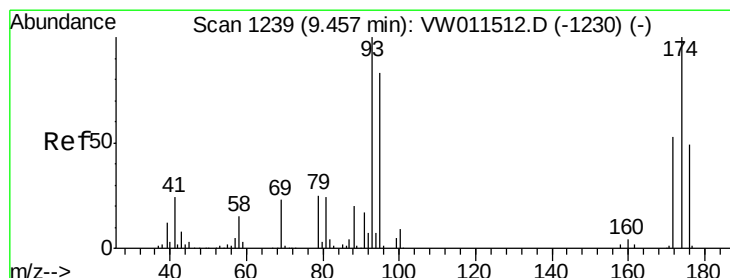
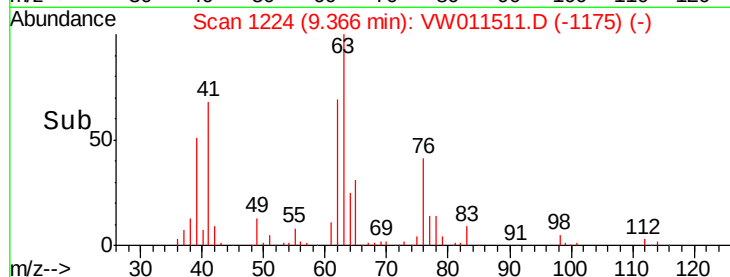
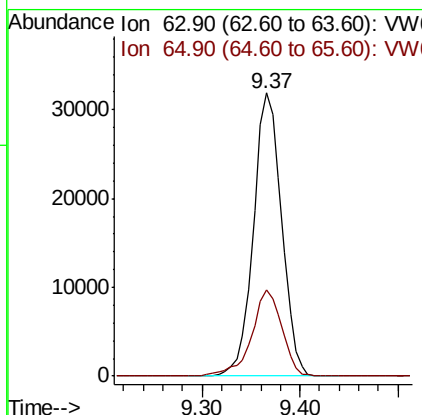
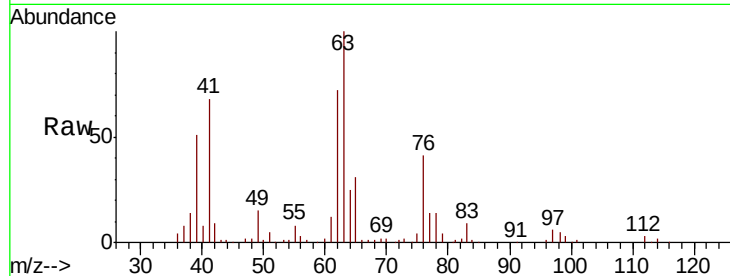




#45
 1,2-Dichloropropane
 Concen: 20.312 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW011511.D
 Acq: 26 Jul 2019 12:24

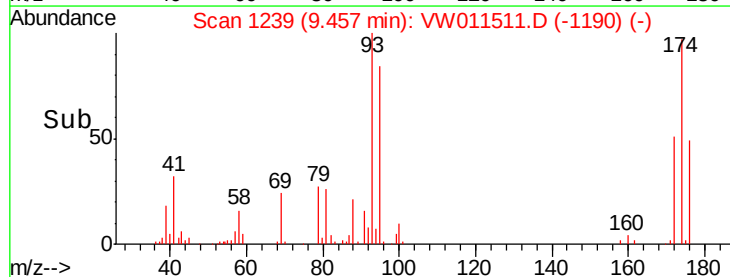
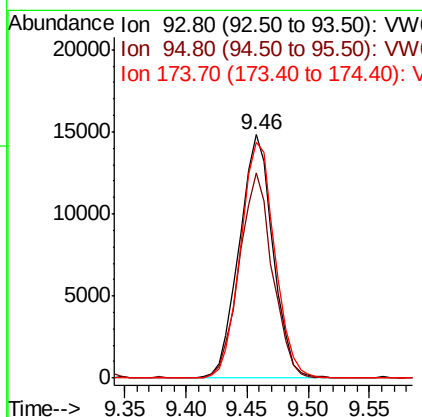
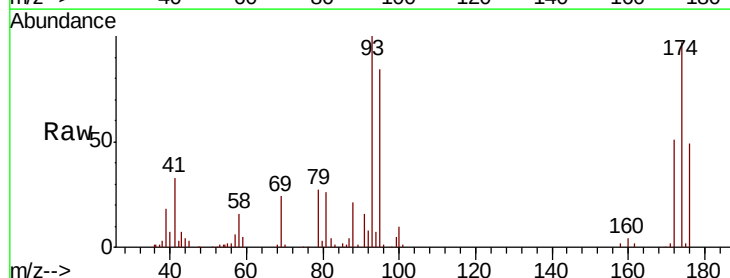
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

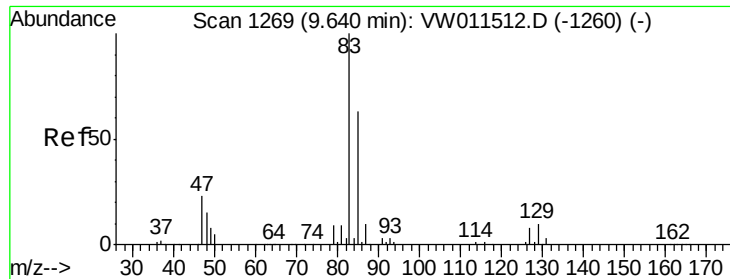
Tot Ion: 63 Resp: 63722
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.2 36.4



#46
 Dibromomethane
 Concen: 19.771 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW011511.D
 Acq: 26 Jul 2019 12:24

Tgt Ion: 93 Resp: 28309
 Ion Ratio Lower Upper
 93 100
 95 83.1 66.2 99.2
 174 98.8 78.2 117.4





#47

Bromodichloromethane

Concen: 19.801 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW011511.D

Acq: 26 Jul 2019 12:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

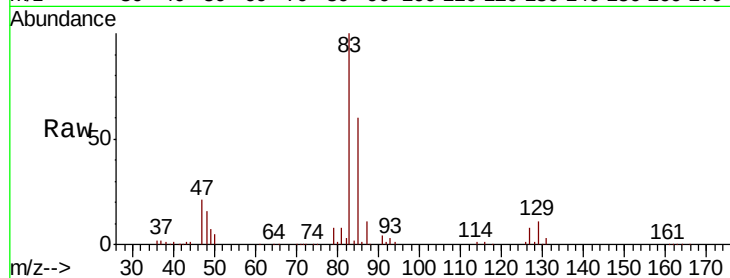
Tot Ion: 83 Resp: 74372

Ion Ratio Lower Upper

83 100

85 60.0 50.5 75.7

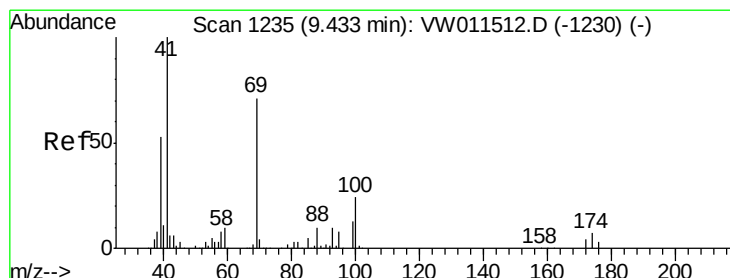
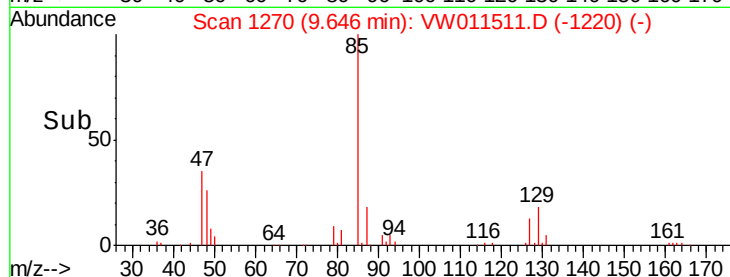
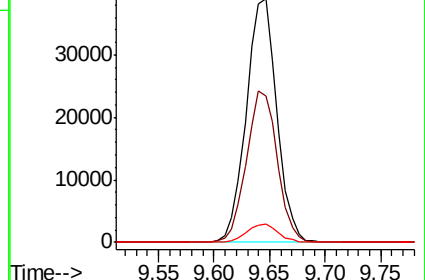
127 7.8 6.4 9.6



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 19.423 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW011511.D

Acq: 26 Jul 2019 12:24

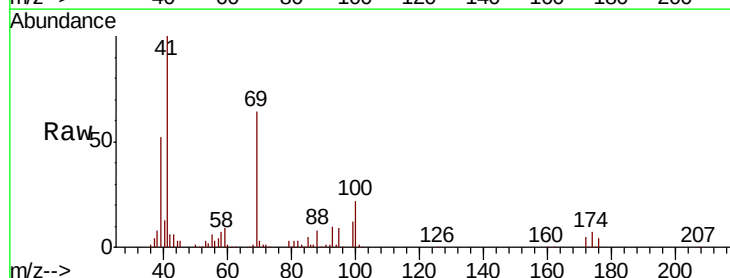
Tgt Ion: 41 Resp: 41322

Ion Ratio Lower Upper

41 100

69 72.4 57.1 85.7

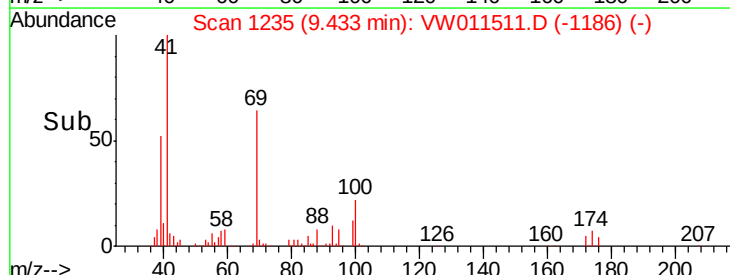
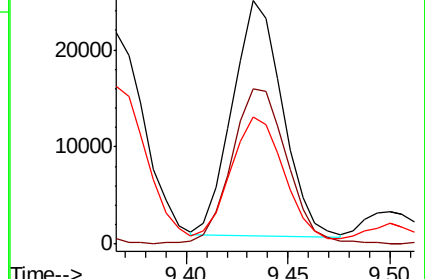
39 58.9 45.4 68.2

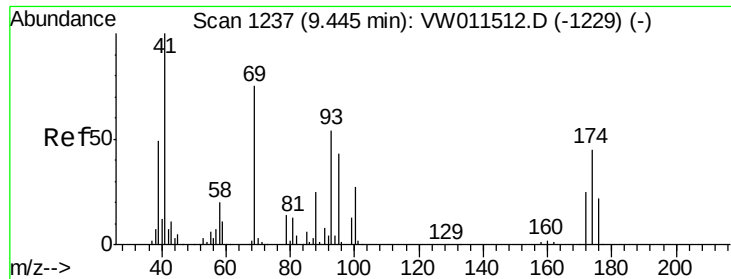


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

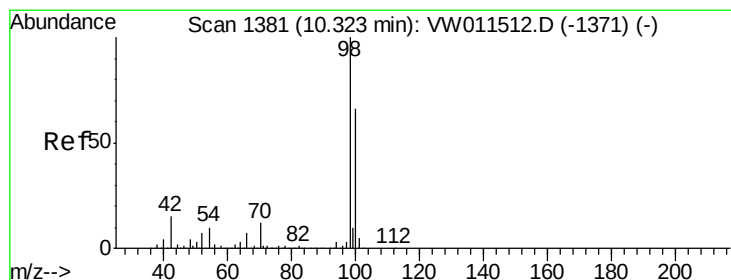
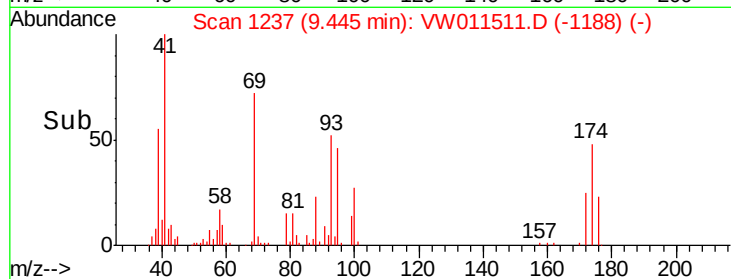
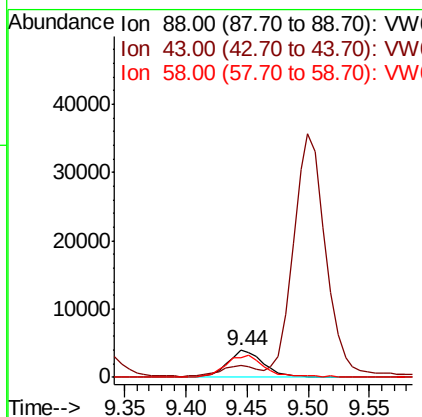
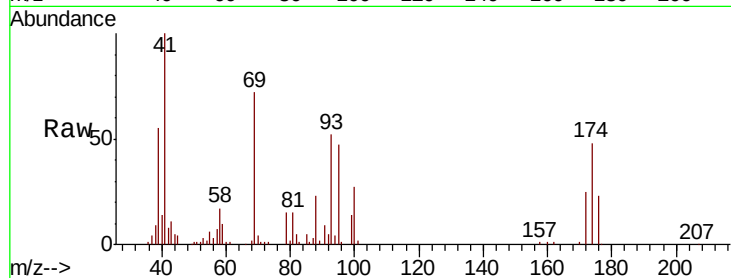




#49
 1,4-Dioxane
 Concen: 388.424 ug/l
 RT: 9.44 min Scan# 1237
 Delta R.T. -0.00 min
 Lab File: VW011511.D
 Acq: 26 Jul 2019 12:24

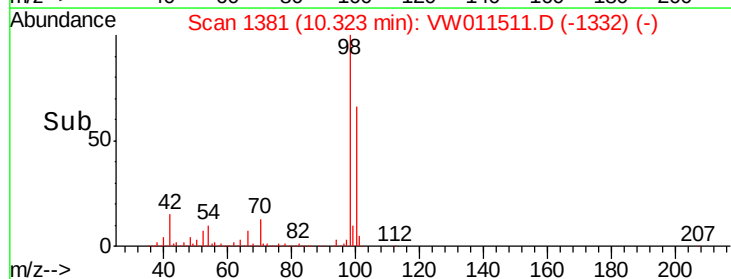
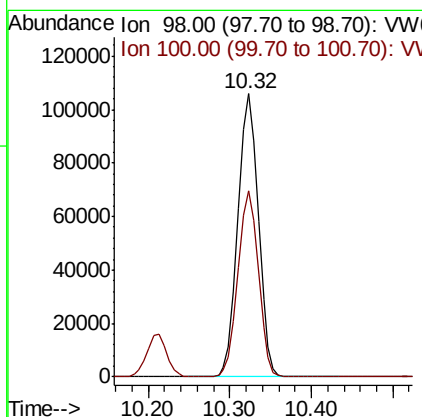
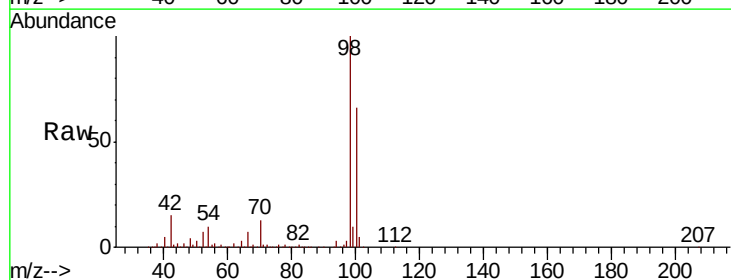
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

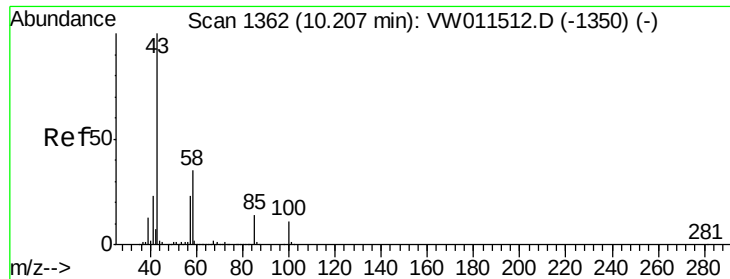
Tot Ion: 88 Resp: 8053
 Ion Ratio Lower Upper
 88 100
 43 42.5 34.0 51.0
 58 90.9 69.7 104.5



#50
 Toluene-d8
 Concen: 19.816 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW011511.D
 Acq: 26 Jul 2019 12:24

Tgt Ion: 98 Resp: 183235
 Ion Ratio Lower Upper
 98 100
 100 65.7 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 98.434 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW011511.D

Acq: 26 Jul 2019 12:24

Instrument :

MSVOA_W

ClientSampleId :

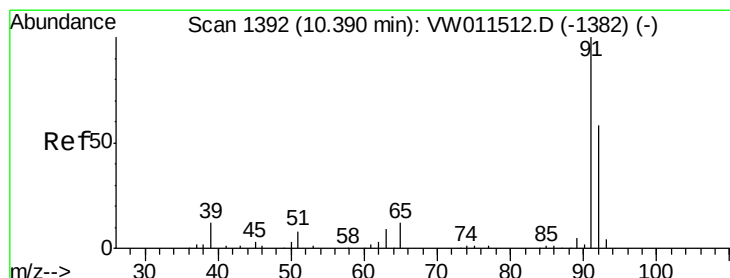
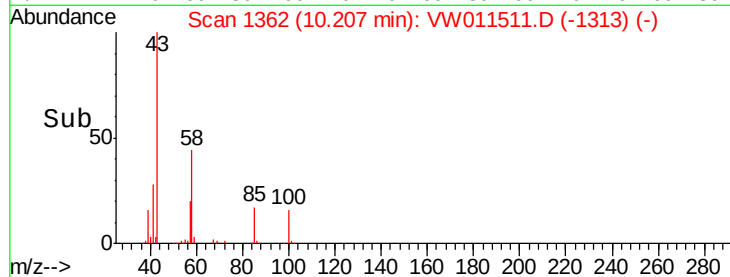
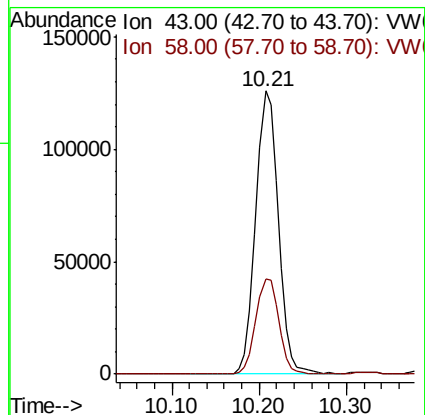
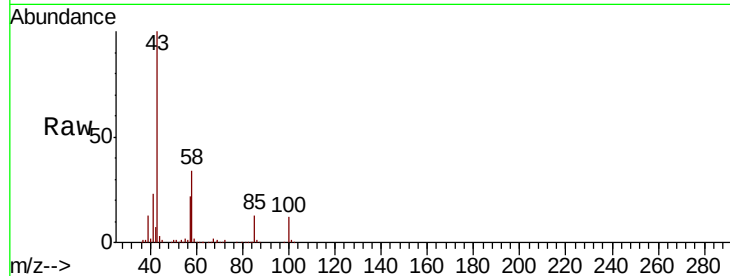
VSTDIC020

Tot Ion: 43 Resp: 226762

Ion Ratio Lower Upper

43 100

58 34.5 28.2 42.2



#52

Toluene

Concen: 20.210 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW011511.D

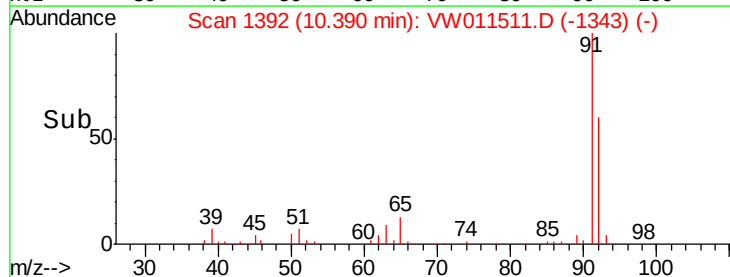
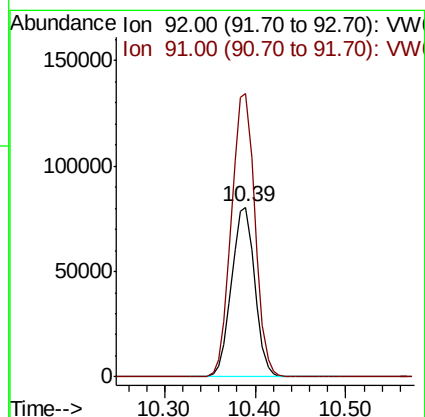
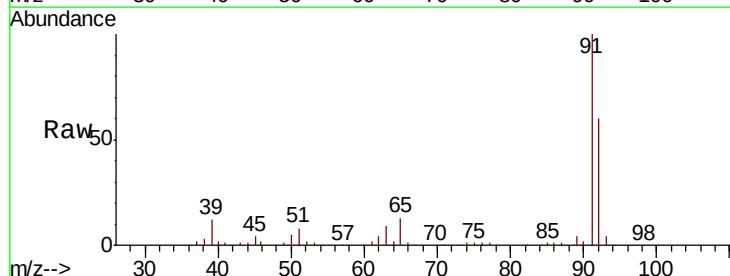
Acq: 26 Jul 2019 12:24

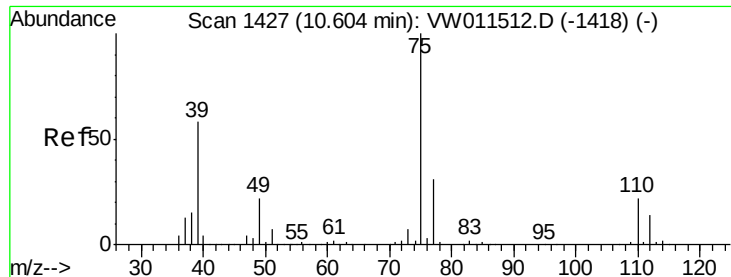
Tgt Ion: 92 Resp: 143102

Ion Ratio Lower Upper

92 100

91 169.8 136.7 205.1





#53

t-1,3-Dichloropropene

Concen: 19.582 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW011511.D

Acq: 26 Jul 2019 12:24

Instrument :

MSVOA_W

ClientSampleId :

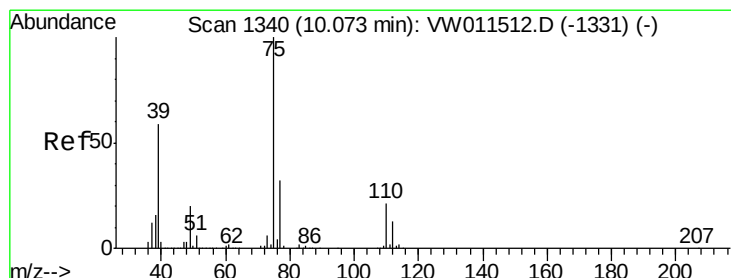
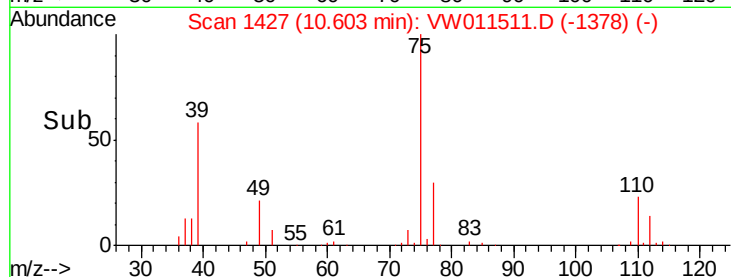
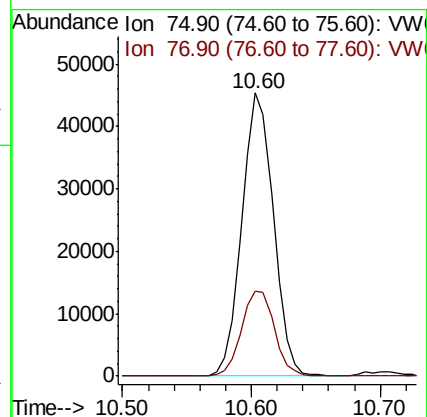
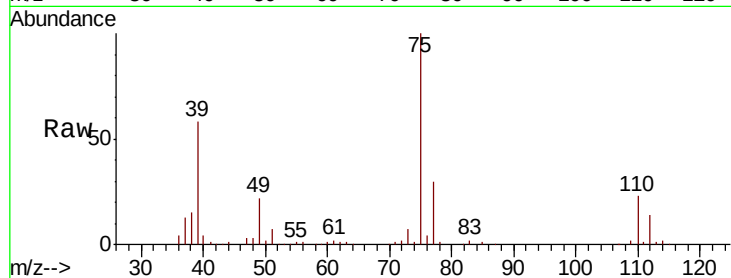
VSTDIC020

Tot Ion: 75 Resp: 76831

Ion Ratio Lower Upper

75 100

77 29.7 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 19.930 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW011511.D

Acq: 26 Jul 2019 12:24

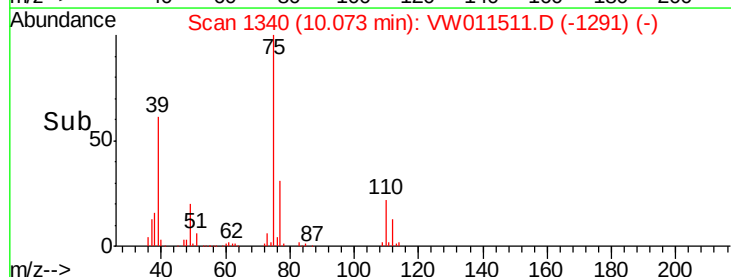
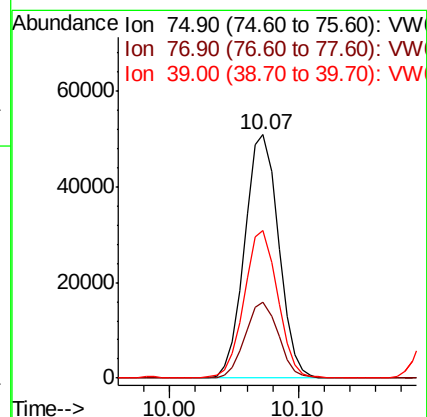
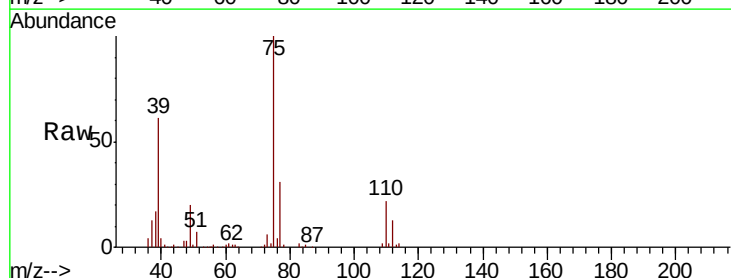
Tgt Ion: 75 Resp: 92976

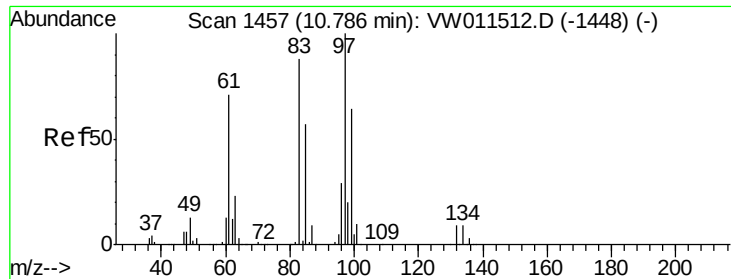
Ion Ratio Lower Upper

75 100

77 31.1 25.6 38.4

39 60.5 47.0 70.4



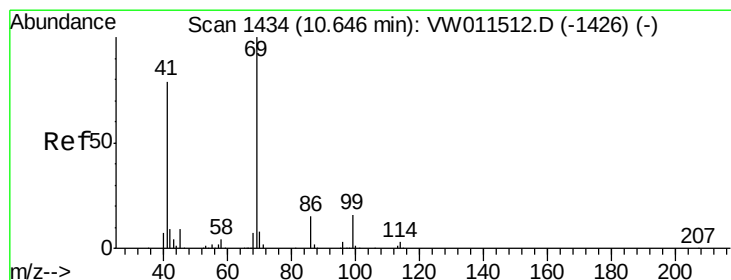
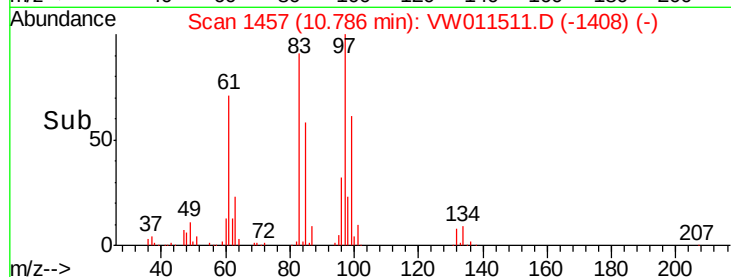
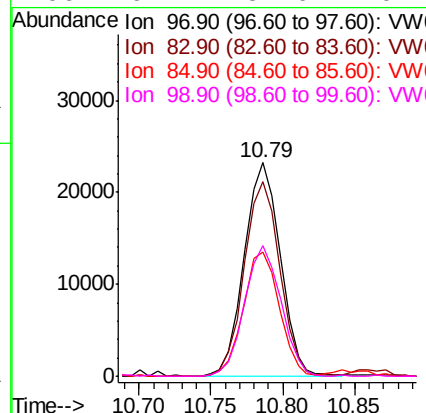
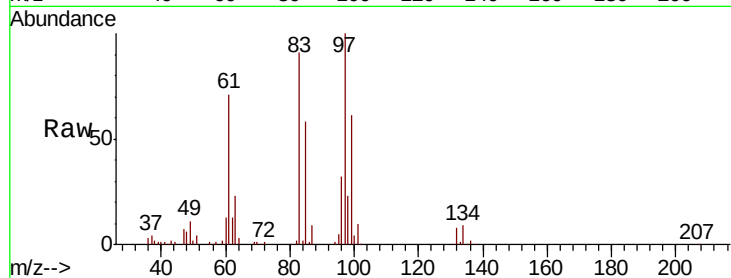


#55
 1,1,2-Trichloroethane
 Concen: 19.845 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW011511.D
 Acq: 26 Jul 2019 12:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion: 97 Resp: 40318

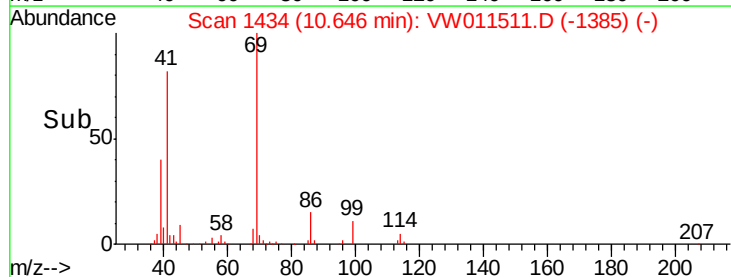
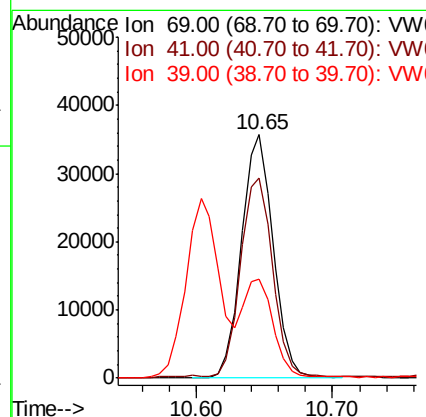
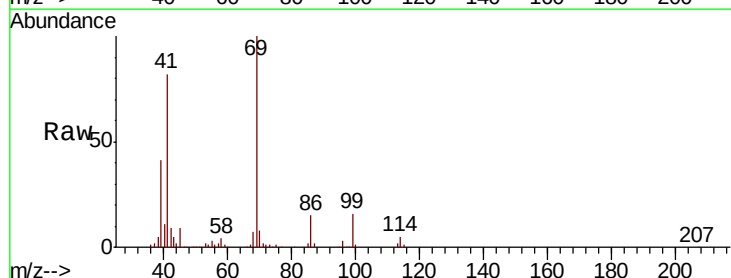
Ion	Ratio	Lower	Upper
97	100		
83	91.0	70.5	105.7
85	58.0	45.8	68.6
99	61.4	51.0	76.4

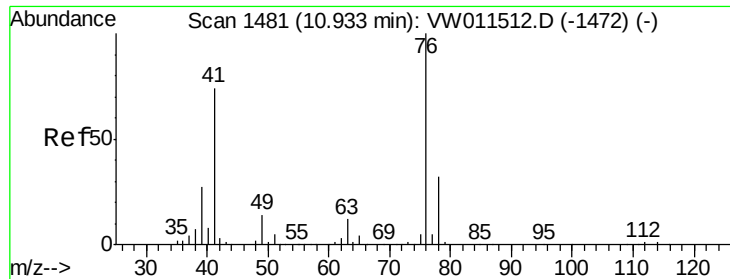


#56
 Ethyl methacrylate
 Concen: 19.560 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW011511.D
 Acq: 26 Jul 2019 12:24

Tgt Ion: 69 Resp: 58150

Ion	Ratio	Lower	Upper
69	100		
41	84.8	66.6	99.8
39	38.8	30.3	45.5





#57

1,3-Dichloropropane

Concen: 20.245 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW011511.D

Acq: 26 Jul 2019 12:24

Instrument :

MSVOA_W

ClientSampleId :

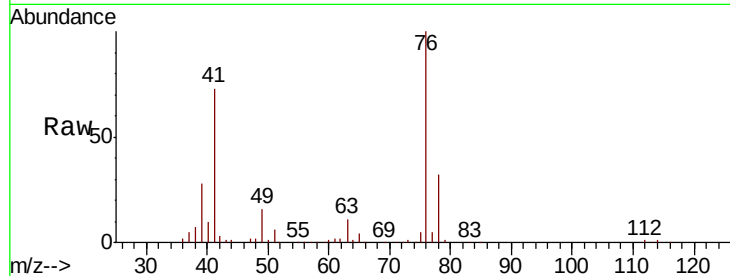
VSTDIC020

Tot Ion: 76 Resp: 77812

Ion Ratio Lower Upper

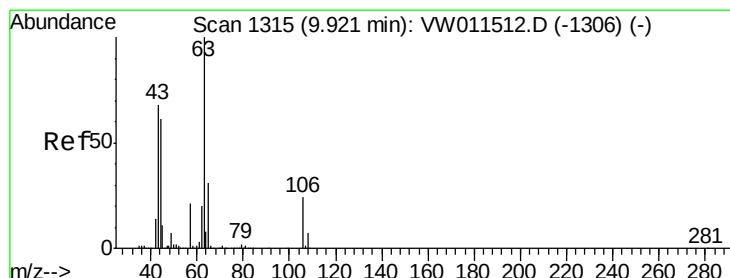
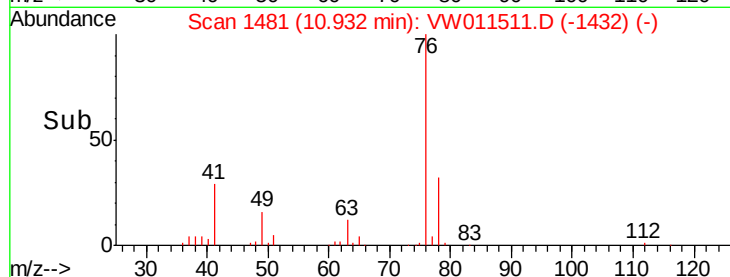
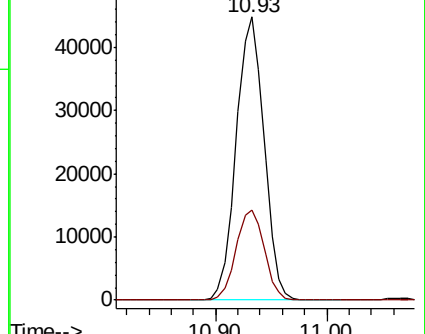
76 100

78 32.2 25.2 37.8



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#58

2-Chloroethyl Vinyl ether

Concen: 111.072 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW011511.D

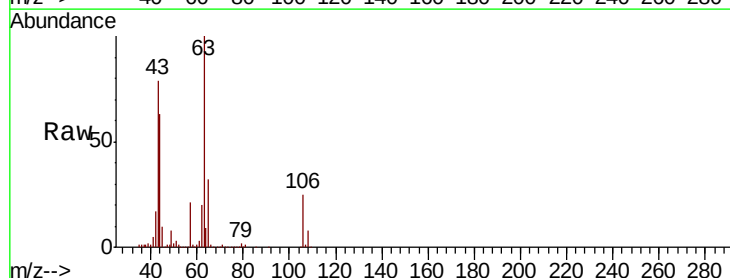
Acq: 26 Jul 2019 12:24

Tgt Ion: 63 Resp: 149926

Ion Ratio Lower Upper

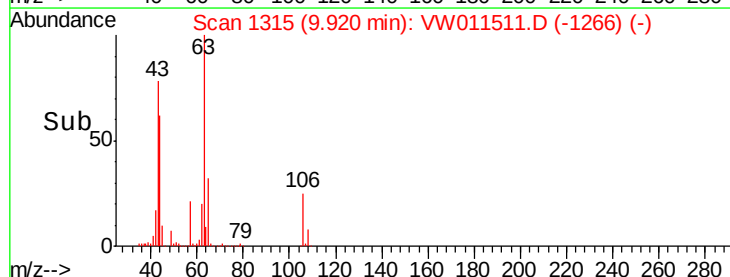
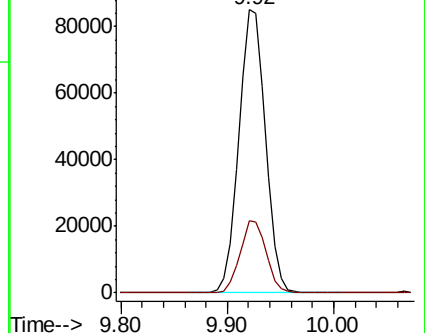
63 100

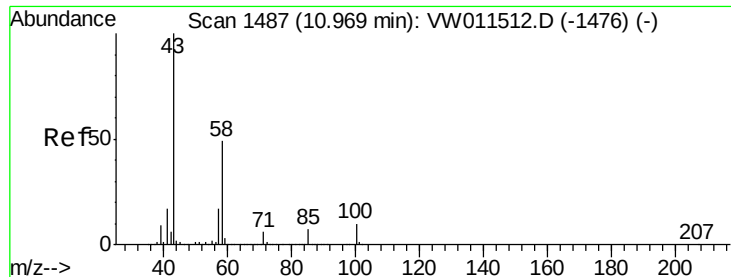
106 24.9 19.7 29.5



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V

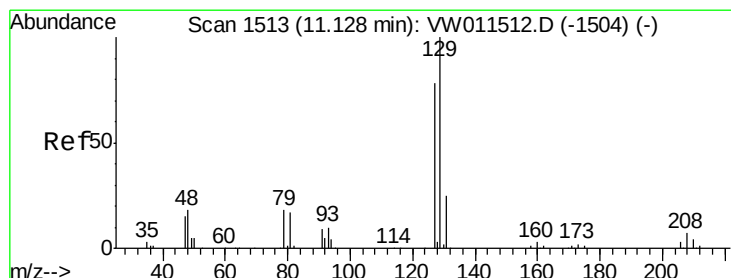
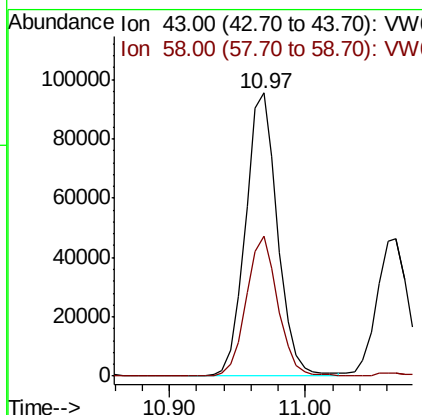
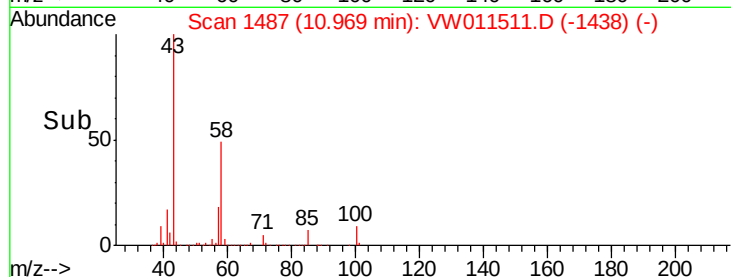
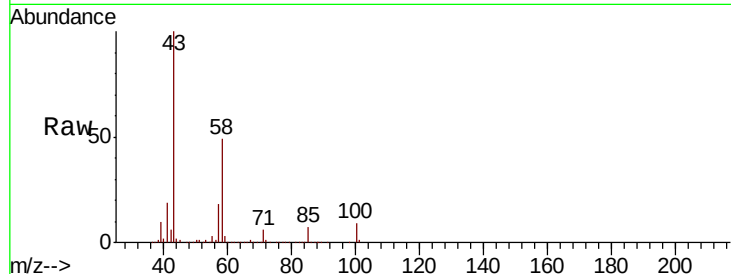




#59
2-Hexanone
Concen: 96.720 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW011511.D
Acq: 26 Jul 2019 12:24

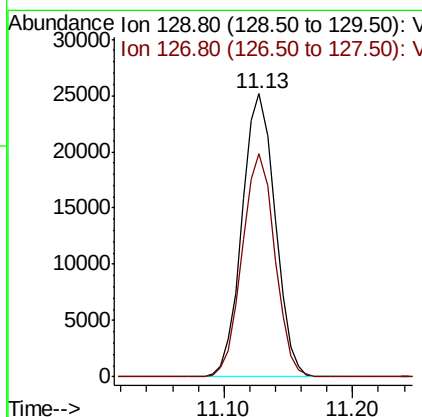
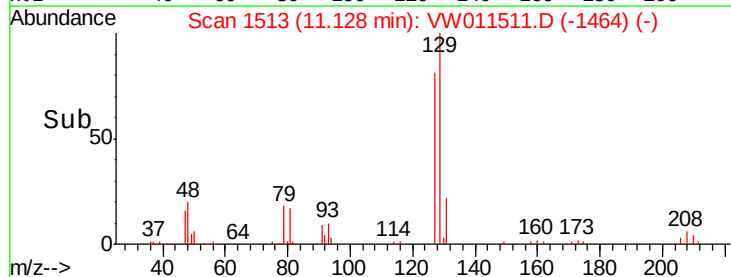
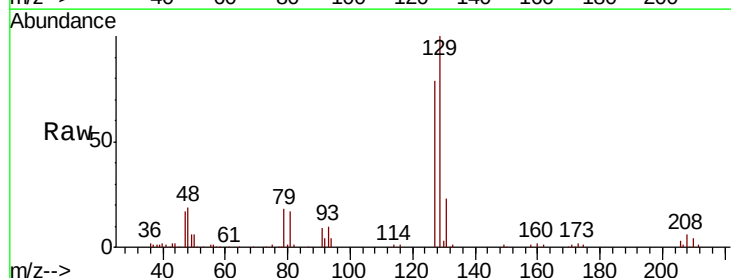
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

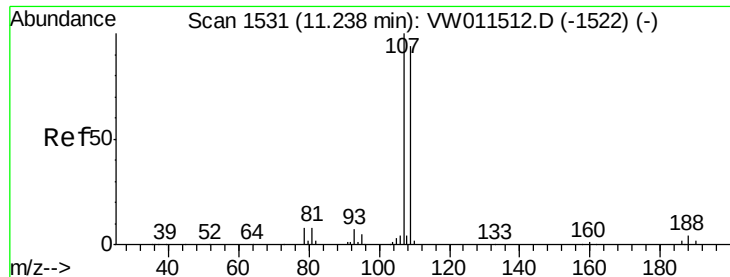
Tot Ion: 43 Resp: 157322
Ion Ratio Lower Upper
43 100
58 48.4 24.3 72.9



#60
Dibromochloromethane
Concen: 19.806 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011511.D
Acq: 26 Jul 2019 12:24

Tgt Ion: 129 Resp: 44664
Ion Ratio Lower Upper
129 100
127 77.7 38.9 116.7

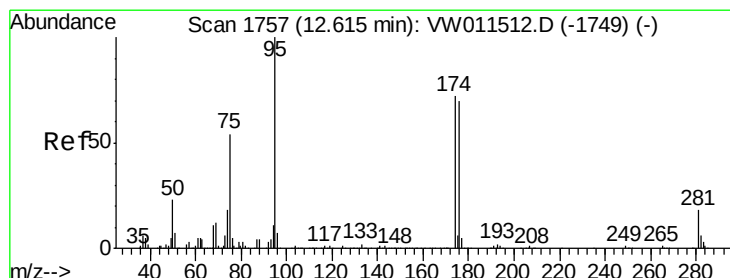
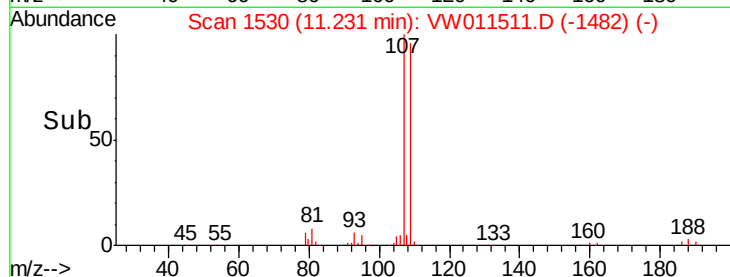
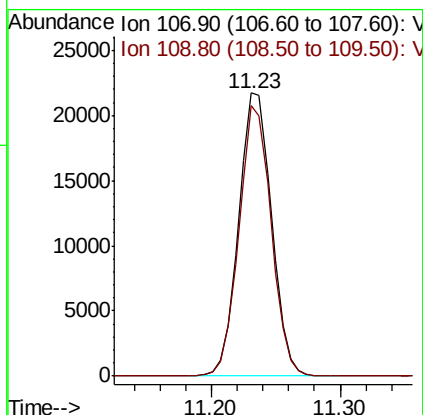
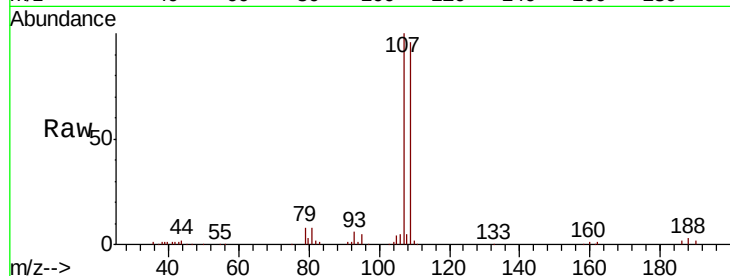




#61
 1,2-Dibromoethane
 Concen: 19.949 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW011511.D
 Acq: 26 Jul 2019 12:24

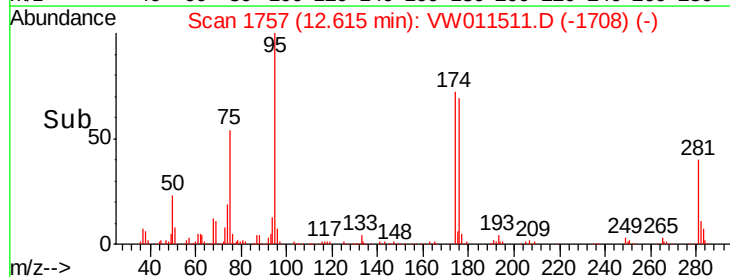
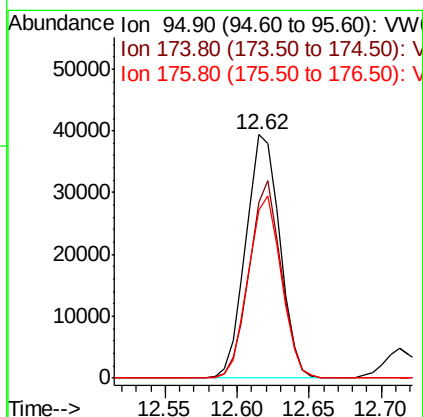
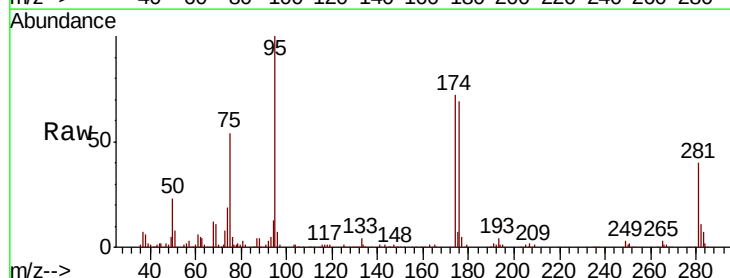
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

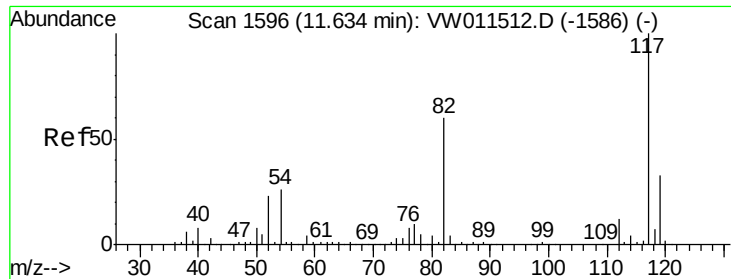
Tot Ion:107 Resp: 38354
 Ion Ratio Lower Upper
 107 100
 109 93.5 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 19.559 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW011511.D
 Acq: 26 Jul 2019 12:24

Tgt Ion: 95 Resp: 64479
 Ion Ratio Lower Upper
 95 100
 174 76.0 0.0 150.2
 176 72.8 0.0 144.4

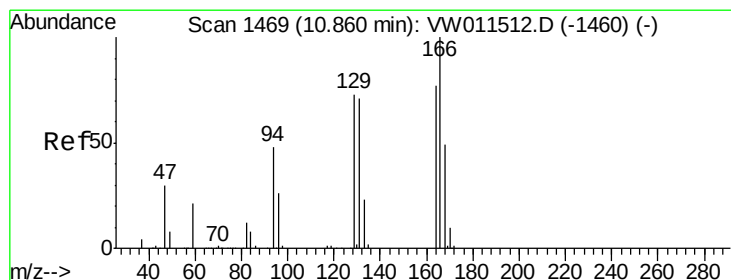
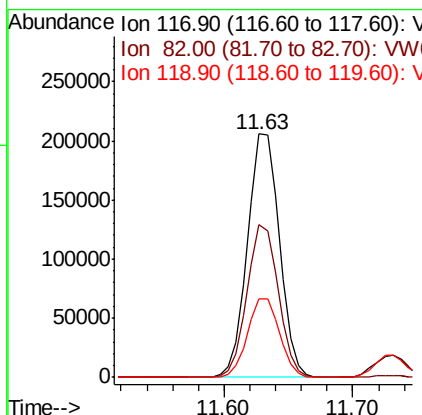
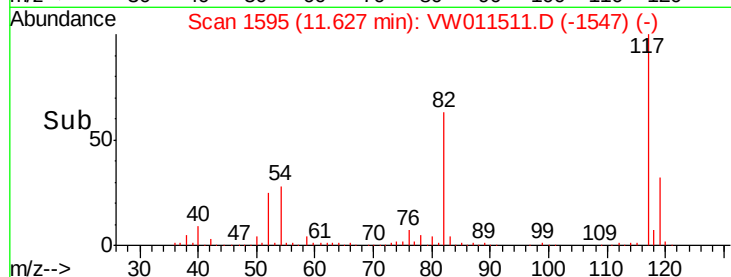
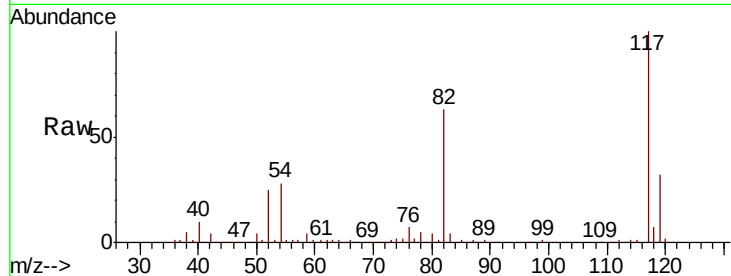




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW011511.D
Acq: 26 Jul 2019 12:24

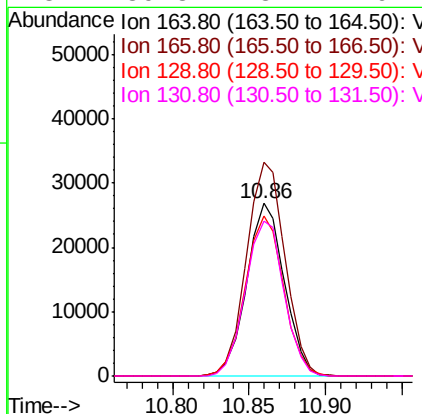
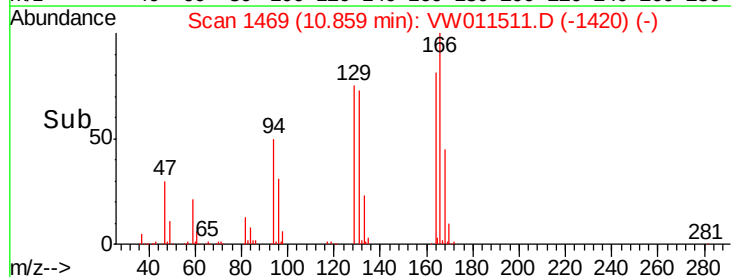
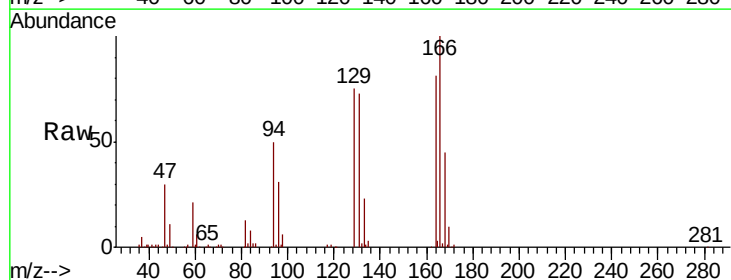
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

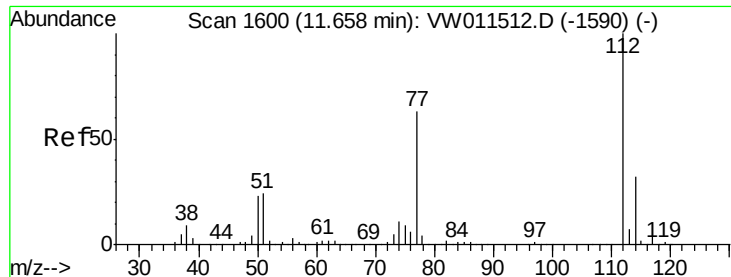
Tot Ion:117 Resp: 352178
Ion Ratio Lower Upper
117 100
82 62.6 47.9 71.9
119 32.0 26.2 39.2



#64
Tetrachloroethene
Concen: 20.027 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW011511.D
Acq: 26 Jul 2019 12:24

Tgt Ion:164 Resp: 45924
Ion Ratio Lower Upper
164 100
166 123.8 103.5 155.3
129 92.7 75.2 112.8
131 89.8 73.4 110.2

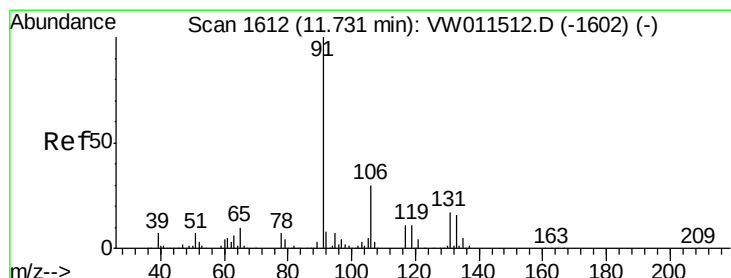
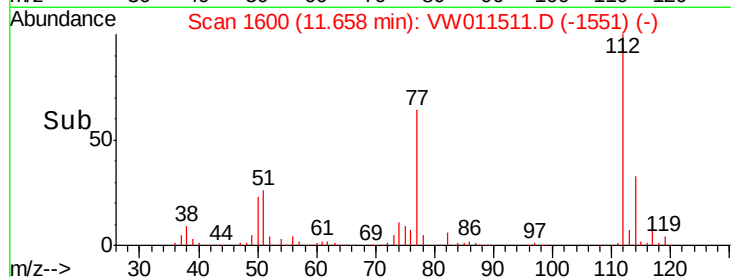
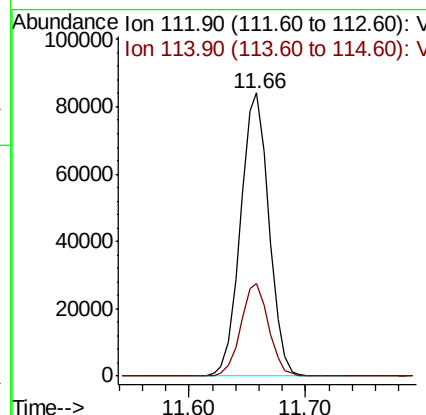
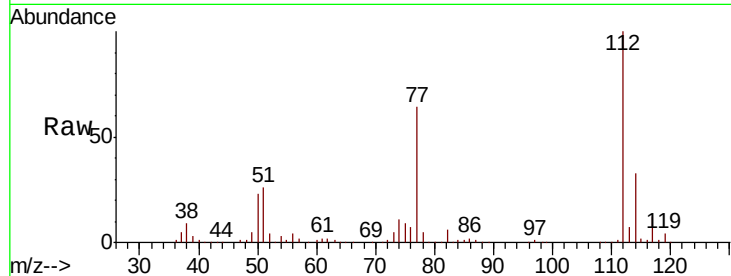




#65
Chlorobenzene
Concen: 20.188 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW011511.D
Acq: 26 Jul 2019 12:24

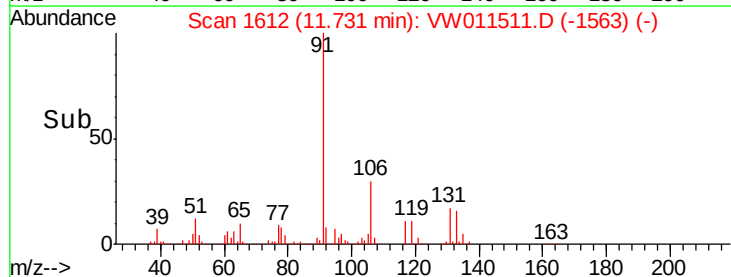
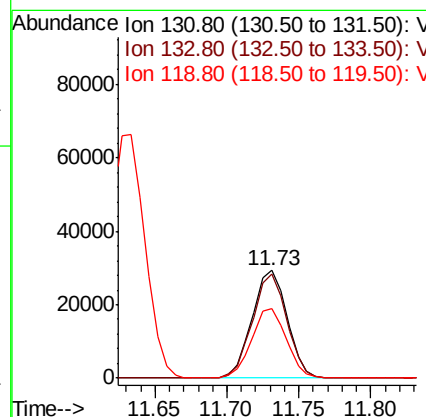
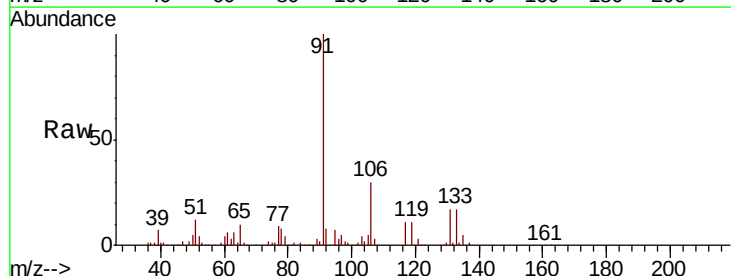
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

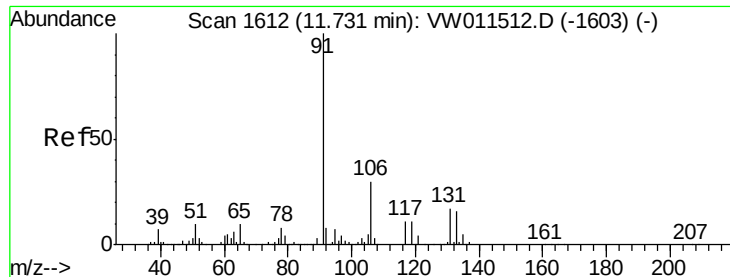
Tot Ion:112 Resp: 142942
Ion Ratio Lower Upper
112 100
114 32.7 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 20.023 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011511.D
Acq: 26 Jul 2019 12:24

Tgt Ion:131 Resp: 49383
Ion Ratio Lower Upper
131 100
133 94.9 47.4 142.2
119 64.7 32.3 96.9





#67

Ethyl Benzene

Concen: 20.175 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW011511.D

Acq: 26 Jul 2019 12:24

Instrument :

MSVOA_W

ClientSampleId :

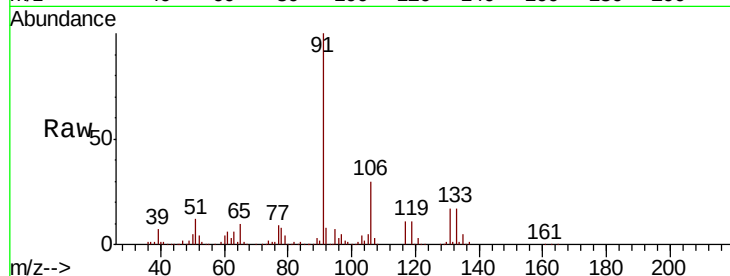
VSTDIC020

Tot Ion: 91 Resp: 272062

Ion Ratio Lower Upper

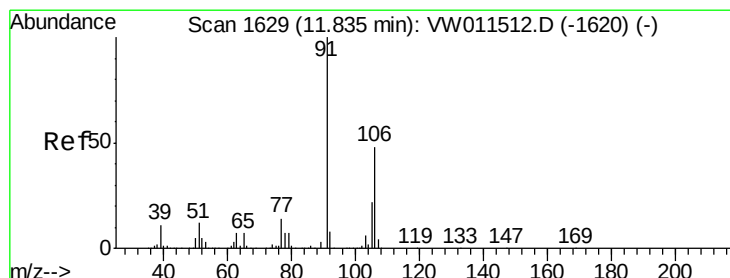
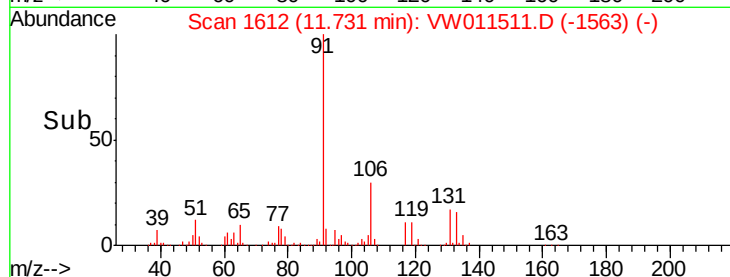
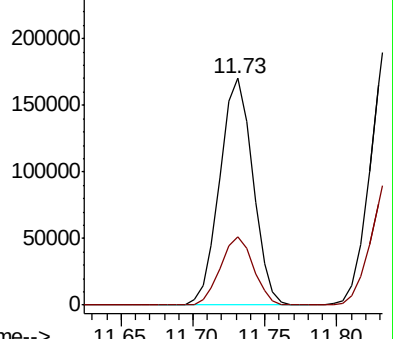
91 100

106 30.0 23.8 35.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 40.693 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.01 min

Lab File: VW011511.D

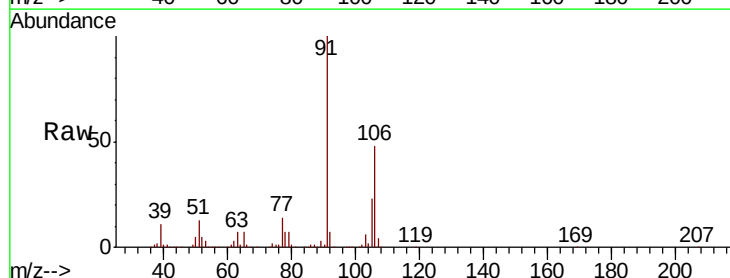
Acq: 26 Jul 2019 12:24

Tgt Ion: 106 Resp: 199563

Ion Ratio Lower Upper

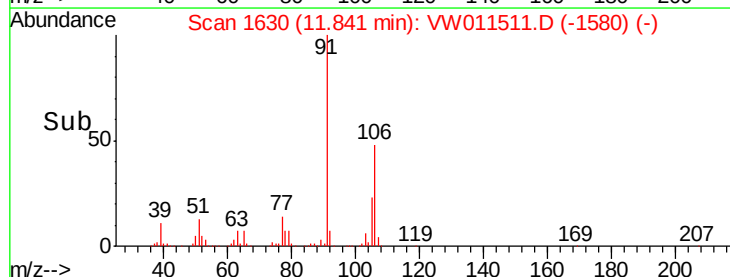
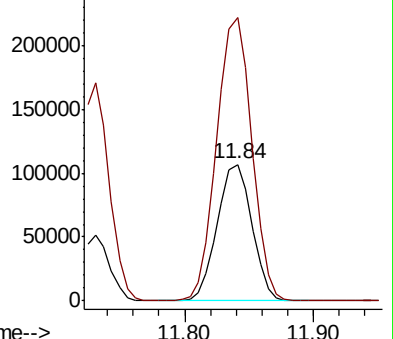
106 100

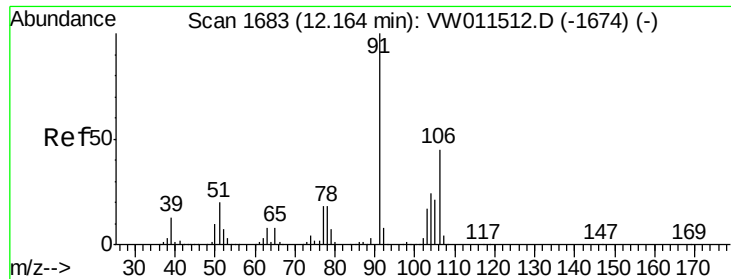
91 209.6 168.2 252.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

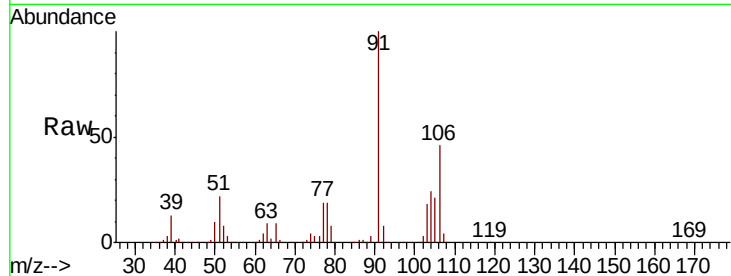




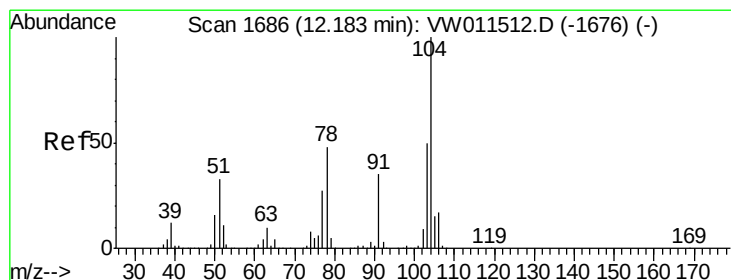
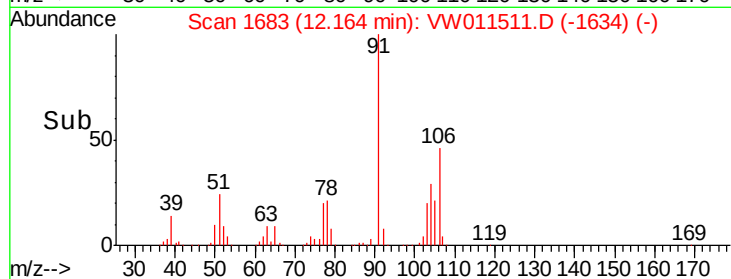
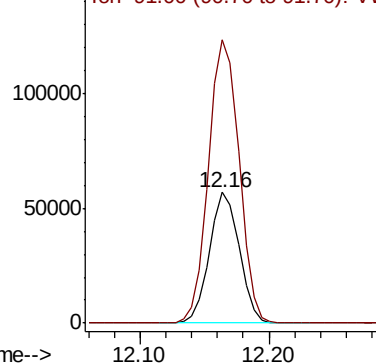
#69
o-Xylene
Concen: 20.042 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011511.D
Acq: 26 Jul 2019 12:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion:106 Resp: 91334
Ion Ratio Lower Upper
106 100
91 222.9 110.5 331.5

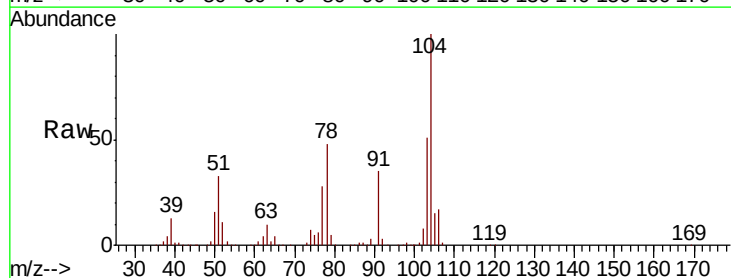


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

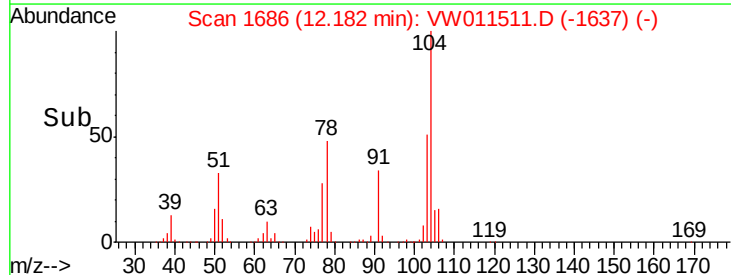
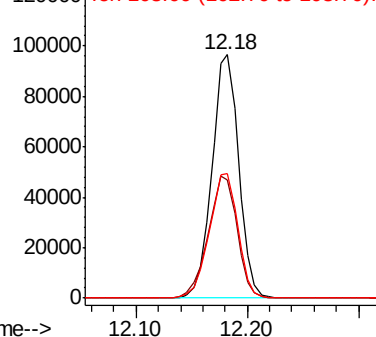


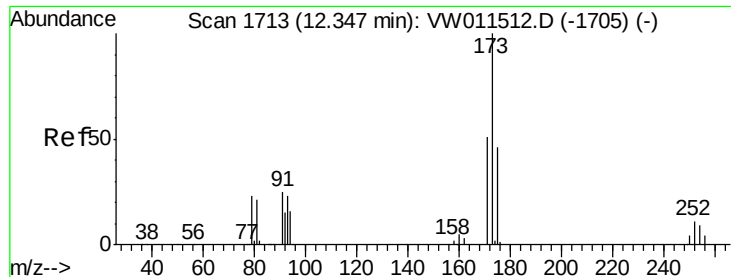
#70
Styrene
Concen: 20.359 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011511.D
Acq: 26 Jul 2019 12:24

Tgt Ion:104 Resp: 160416
Ion Ratio Lower Upper
104 100
78 54.0 43.4 65.0
103 54.8 43.9 65.9



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





#71

Bromoform

Concen: 19.270 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW011511.D

Acq: 26 Jul 2019 12:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

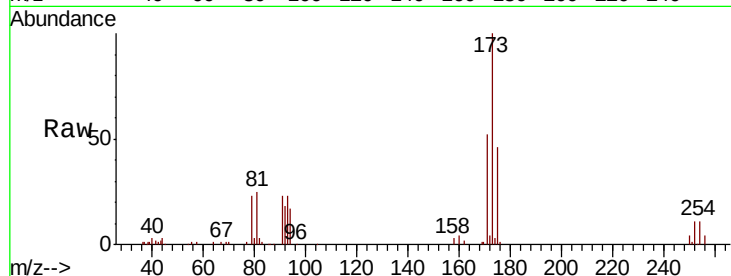
Tot Ion:173 Resp: 24232

Ion Ratio Lower Upper

173 100

175 48.9 23.6 71.0

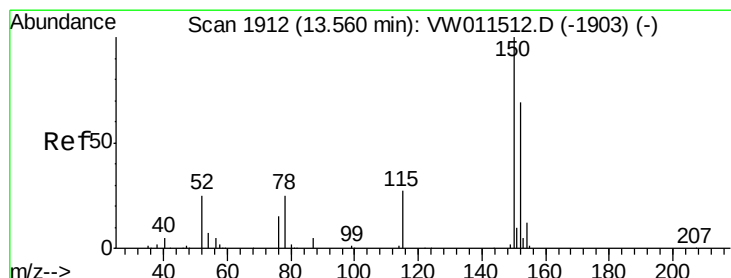
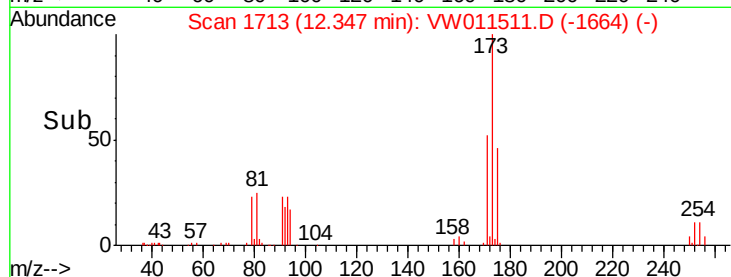
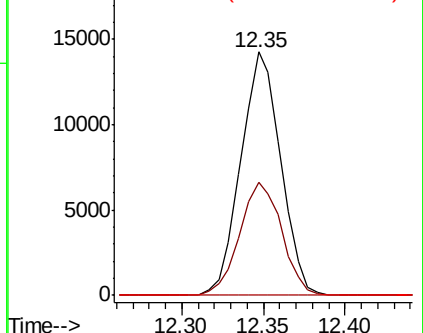
254 0.0 0.1 0.1#



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: VW011511.D

Acq: 26 Jul 2019 12:24

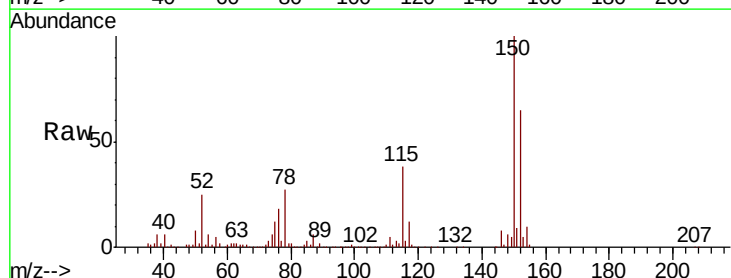
Tgt Ion:152 Resp: 174117

Ion Ratio Lower Upper

152 100

115 59.6 30.5 91.5

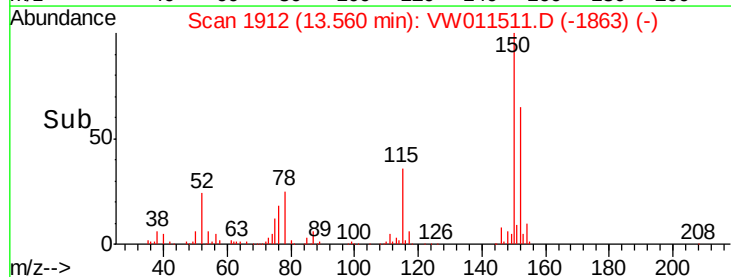
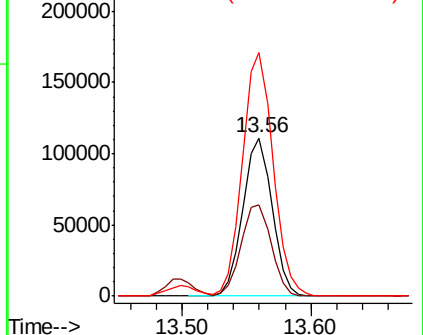
150 161.3 0.0 352.6

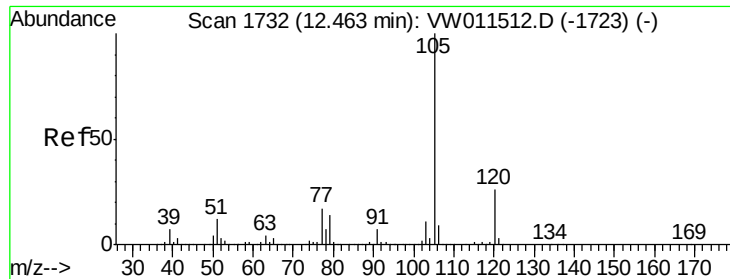


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.702 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW011511.D

Acq: 26 Jul 2019 12:24

Instrument :

MSVOA_W

ClientSampleId :

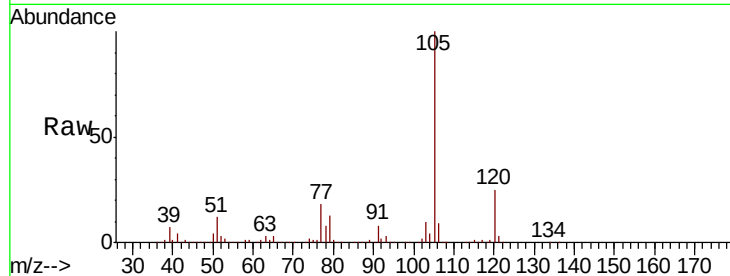
VSTDIC020

Tot Ion:105 Resp: 255914

Ion Ratio Lower Upper

105 100

120 25.4 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

150000

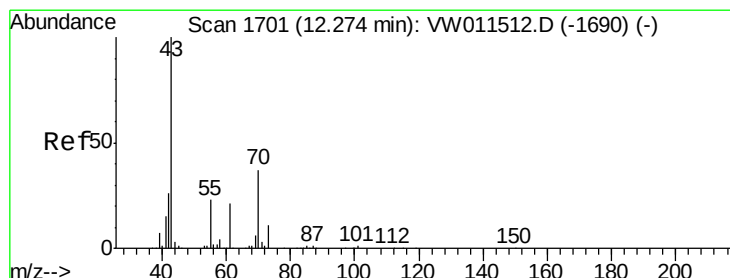
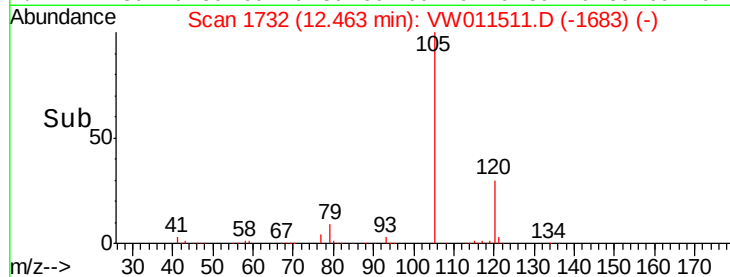
100000

50000

0

Time-->

12.40 12.50



#74

N-ethyl acetate

Concen: 19.190 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW011511.D

Acq: 26 Jul 2019 12:24

Tgt Ion: 43 Resp: 78042

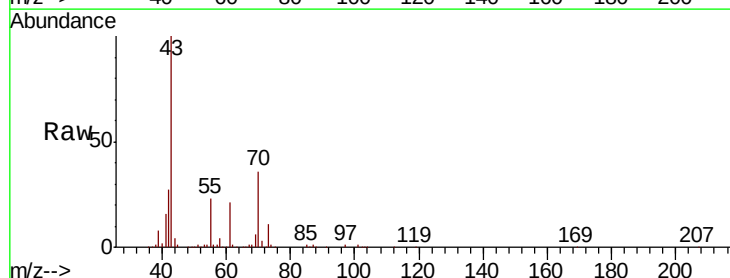
Ion Ratio Lower Upper

43 100

70 36.6 28.6 43.0

55 22.9 17.8 26.8

61 21.5 17.0 25.6



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

80000

60000

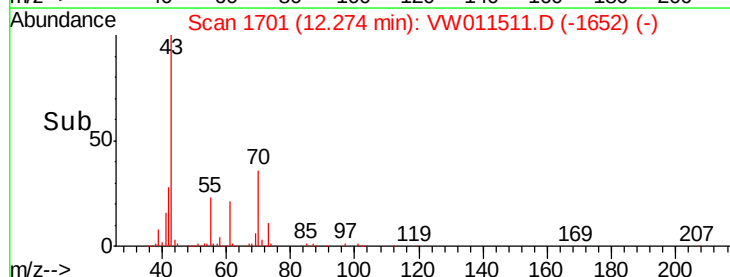
40000

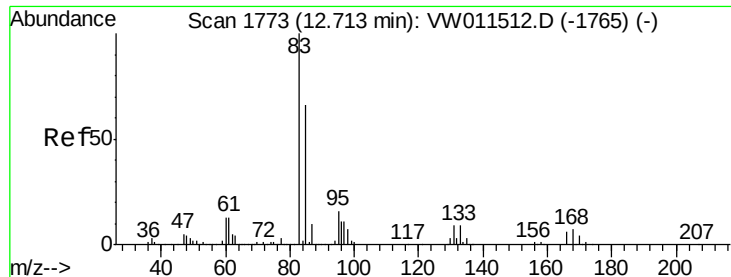
20000

0

Time-->

12.20 12.30





#75

1,1,2,2-Tetrachloroethane

Concen: 20.018 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011511.D

Acq: 26 Jul 2019 12:24

Instrument :

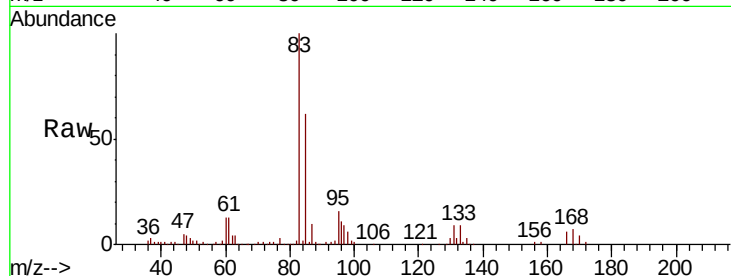
MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 83 Resp: 48910

Ion	Ratio	Lower	Upper
83	100		
131	9.7	4.9	14.6
85	63.5	31.8	95.4

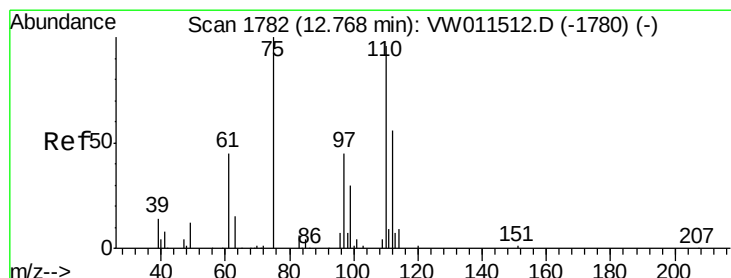
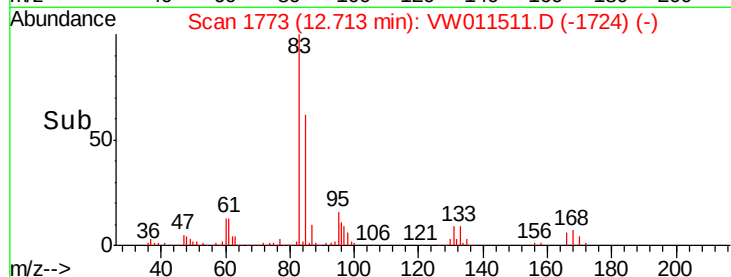
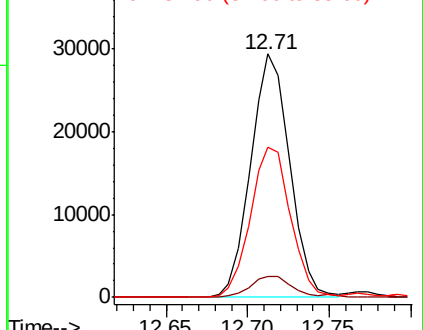


Abundance

Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 34.576 ug/l

RT: 12.77 min Scan# 1782

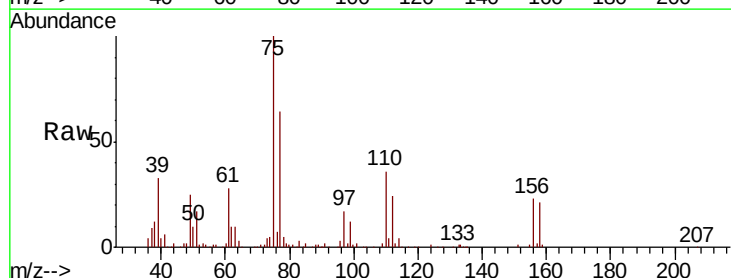
Delta R.T. -0.00 min

Lab File: VW011511.D

Acq: 26 Jul 2019 12:24

Tgt Ion: 75 Resp: 63913

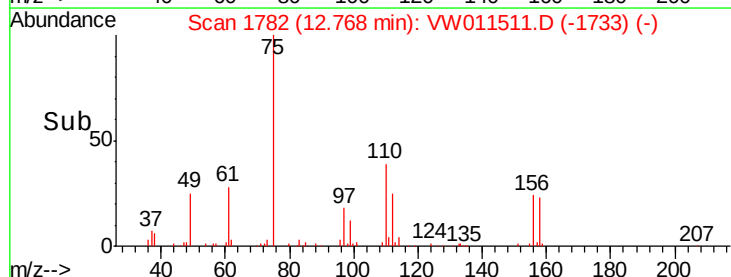
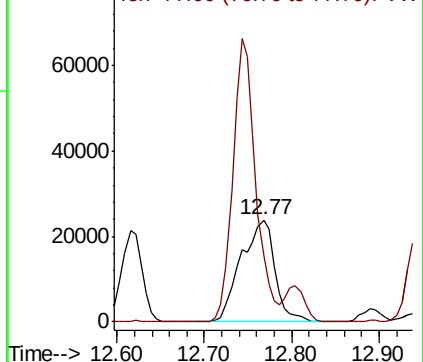
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

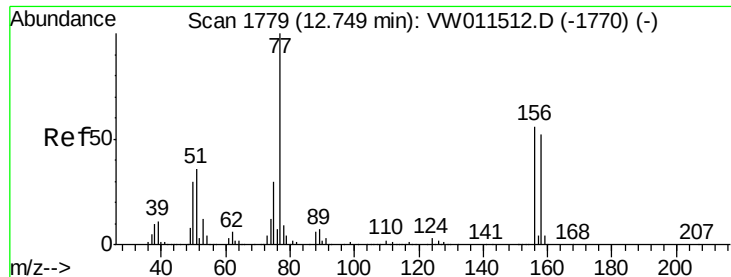


Abundance

Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 19.582 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW011511.D

Acq: 26 Jul 2019 12:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

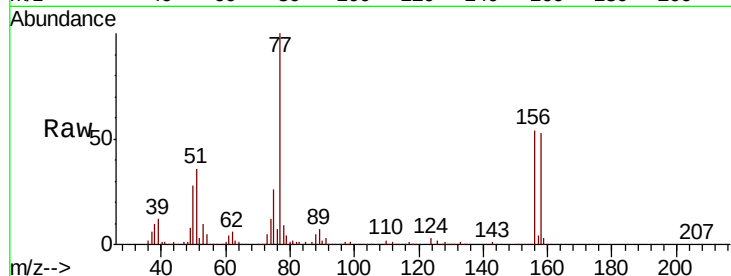
Tot Ion:156 Resp: 56222

Ion Ratio Lower Upper

156 100

77 215.8 106.5 319.4

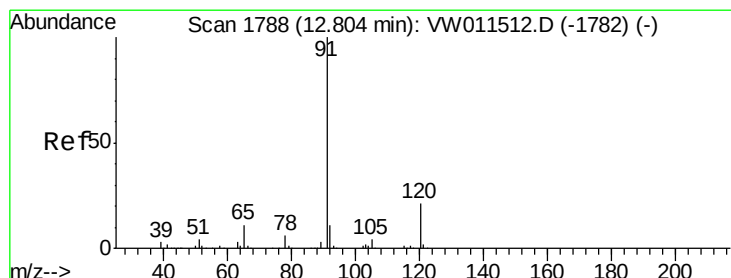
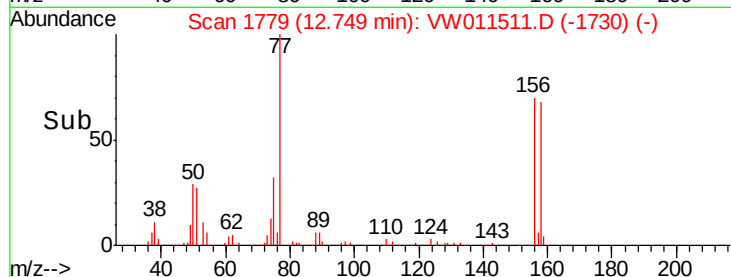
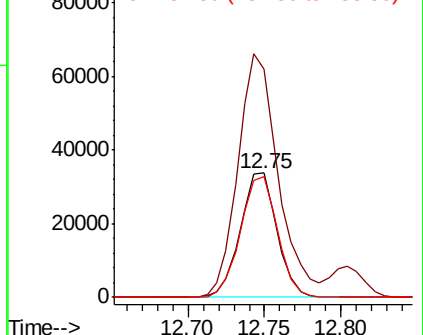
158 98.2 48.0 144.2



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: 20.025 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW011511.D

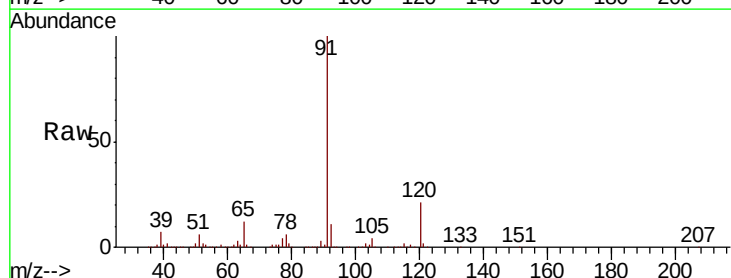
Acq: 26 Jul 2019 12:24

Tgt Ion: 91 Resp: 316554

Ion Ratio Lower Upper

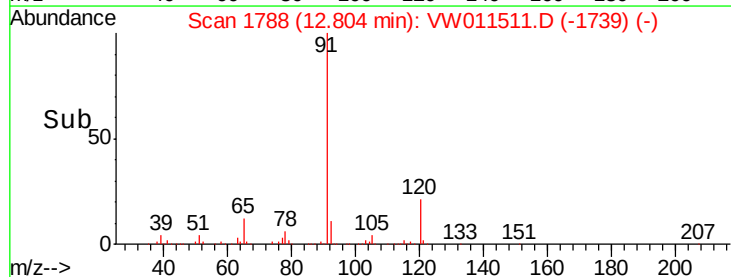
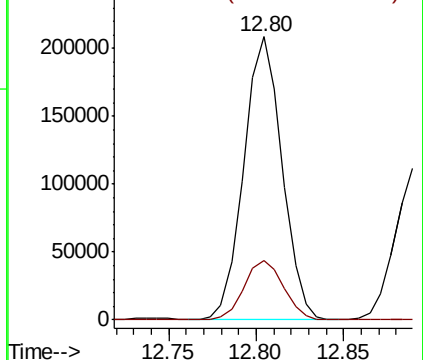
91 100

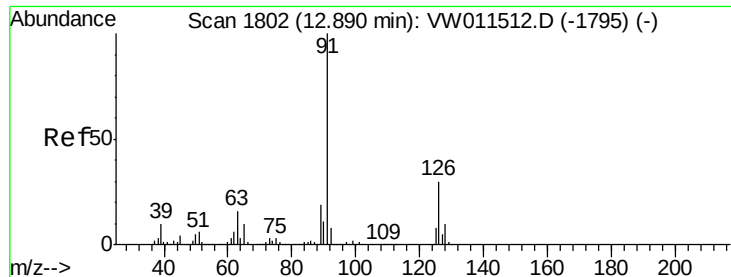
120 21.7 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.883 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW011511.D

Acq: 26 Jul 2019 12:24

Instrument :

MSVOA_W

ClientSampleId :

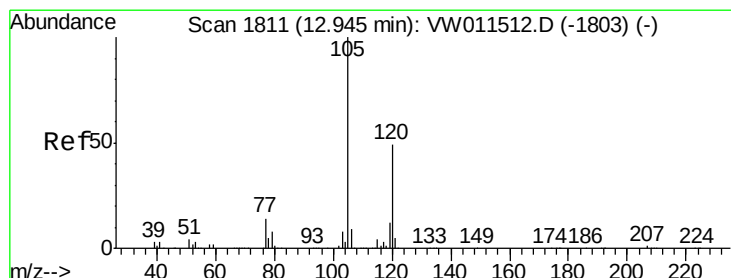
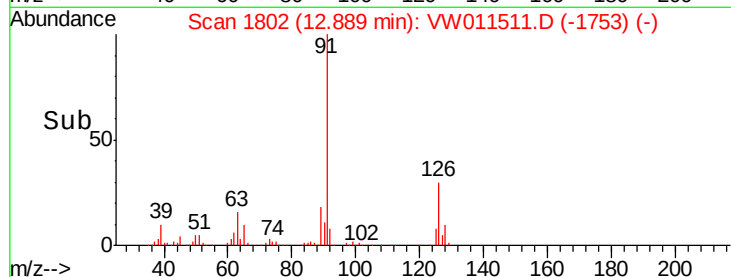
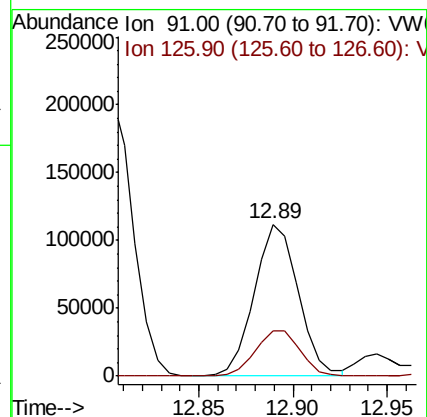
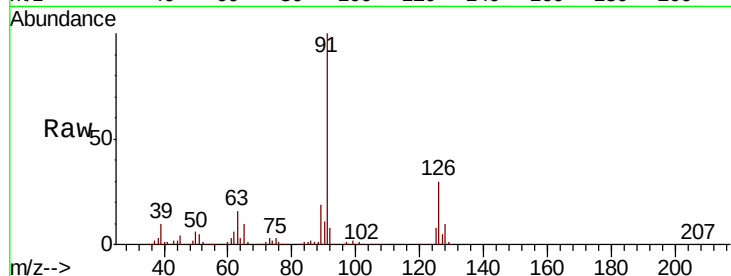
VSTDIC020

Tot Ion: 91 Resp: 181076

Ion Ratio Lower Upper

91 100

126 31.2 15.7 47.1



#80

1,3,5-Trimethylbenzene

Concen: 20.003 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW011511.D

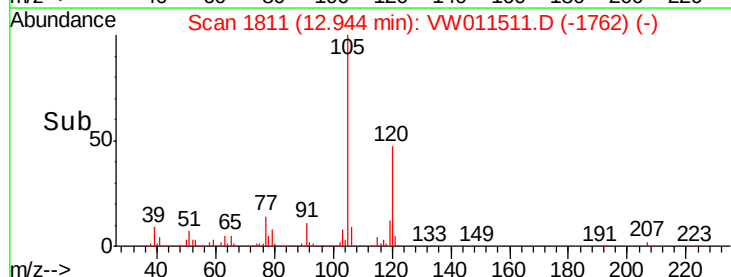
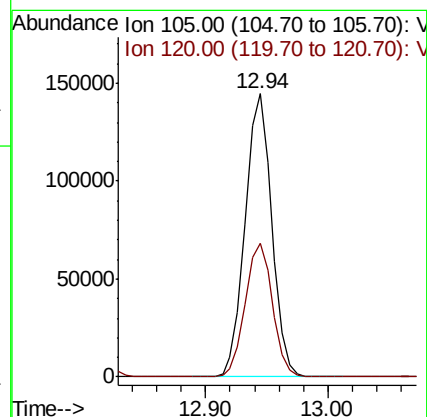
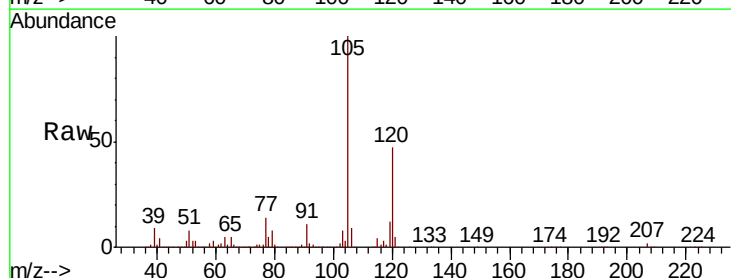
Acq: 26 Jul 2019 12:24

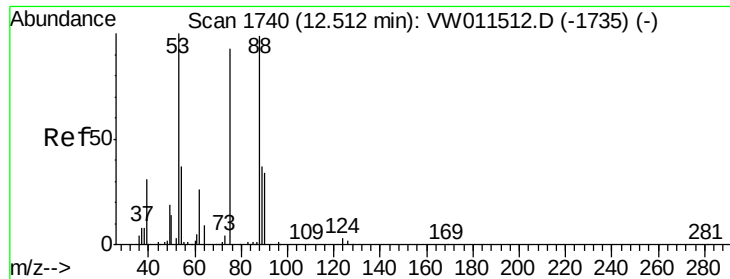
Tgt Ion:105 Resp: 217801

Ion Ratio Lower Upper

105 100

120 48.3 24.1 72.3





#81

trans-1,4-Dichloro-2-butene

Concen: 18.511 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW011511.D

Acq: 26 Jul 2019 12:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

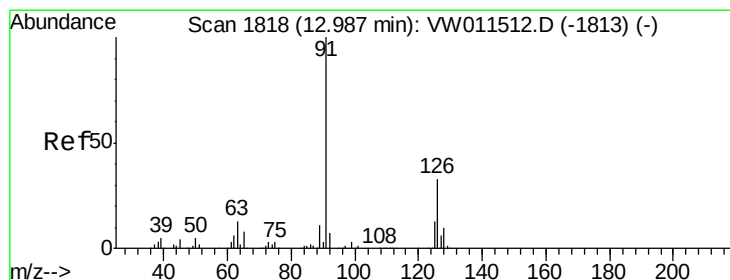
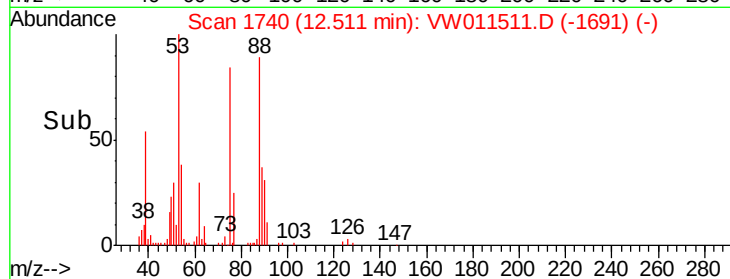
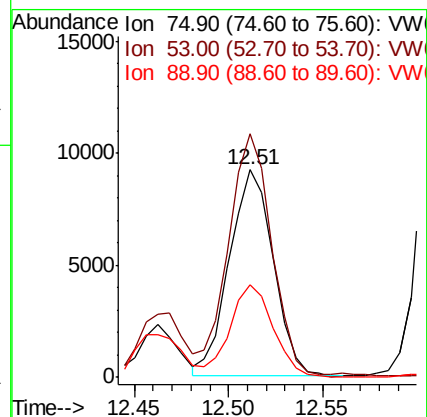
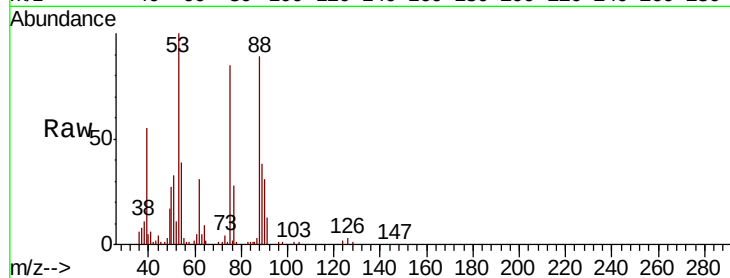
Tot Ion: 75 Resp: 14798

Ion	Ratio	Lower	Upper
75	100		
53	116.3	88.0	132.0
89	43.9	35.3	52.9

75 100

53 116.3 88.0 132.0

89 43.9 35.3 52.9



#82

4-Chlorotoluene

Concen: 20.068 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW011511.D

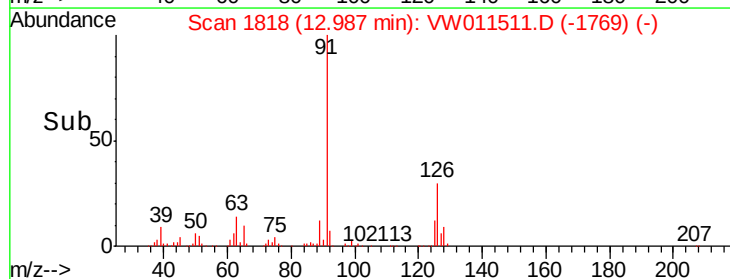
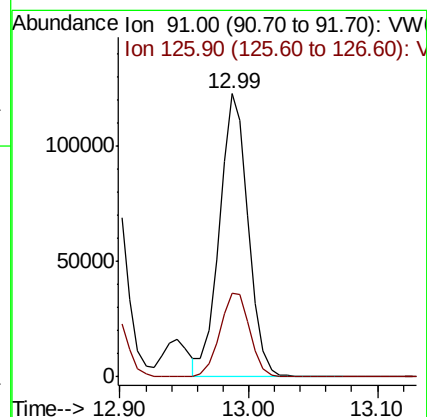
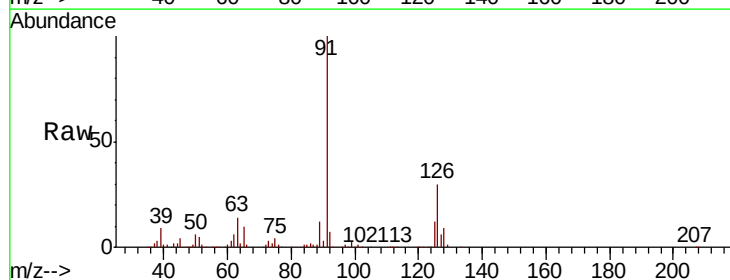
Acq: 26 Jul 2019 12:24

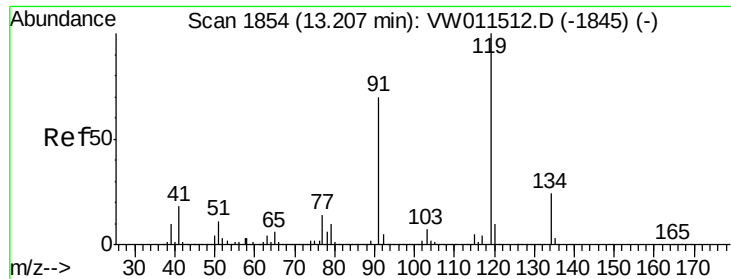
Tgt Ion: 91 Resp: 191758

Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.6	46.8

91 100

126 31.0 15.6 46.8





#83

tert-Butylbenzene

Concen: 19.909 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VW011511.D

Acq: 26 Jul 2019 12:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

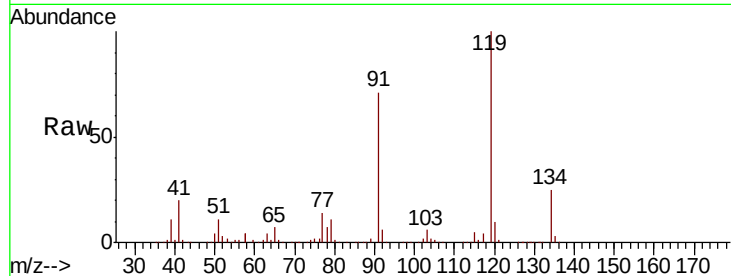
Tot Ion:119 Resp: 181282

Ion Ratio Lower Upper

119 100

91 68.7 34.5 103.6

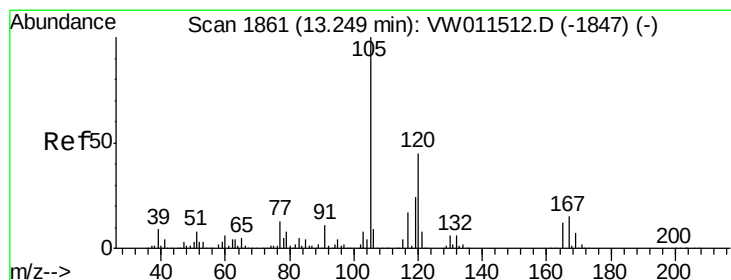
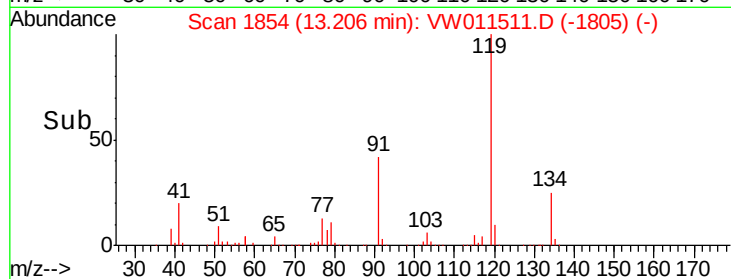
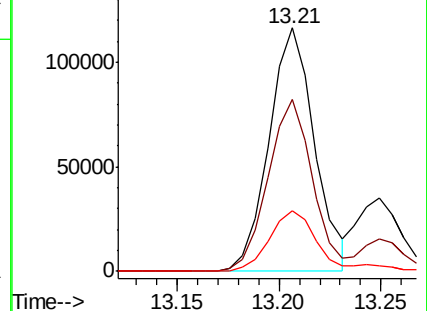
134 25.3 12.4 37.4



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: 20.122 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. -0.00 min

Lab File: VW011511.D

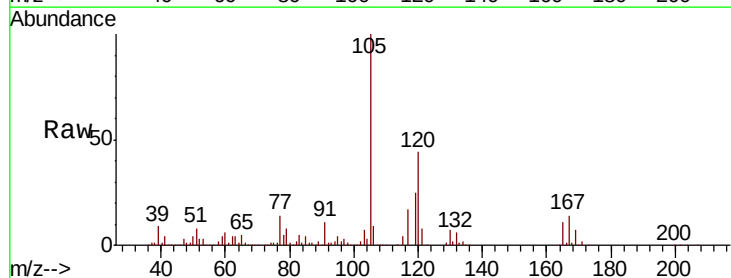
Acq: 26 Jul 2019 12:24

Tgt Ion:105 Resp: 220711

Ion Ratio Lower Upper

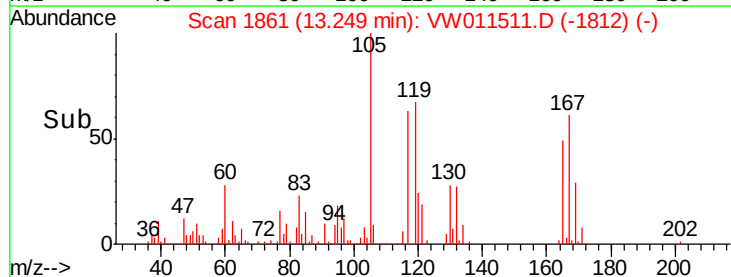
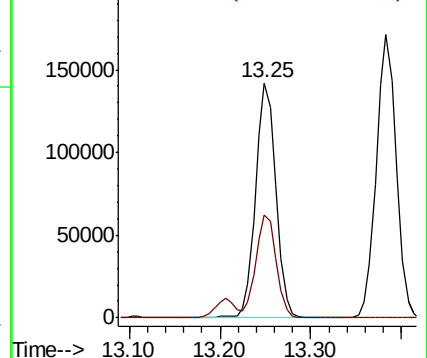
105 100

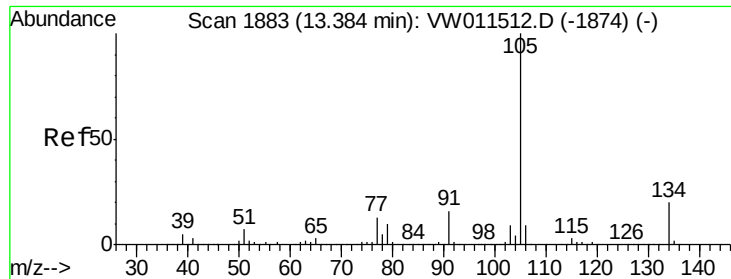
120 43.7 22.1 66.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

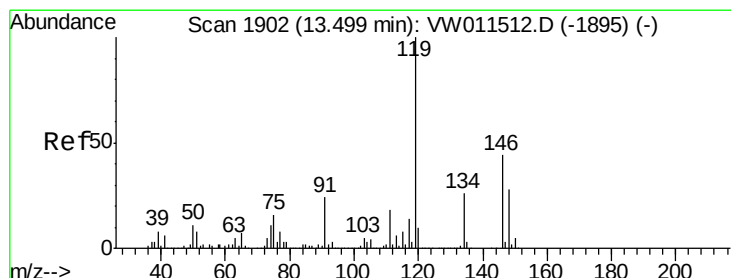
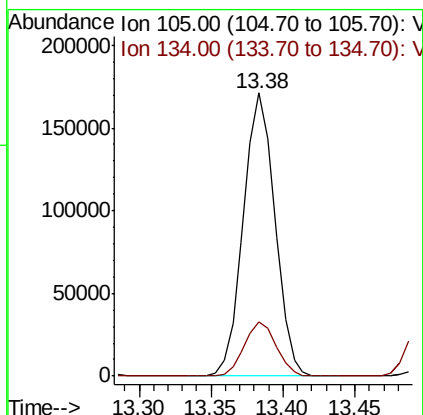
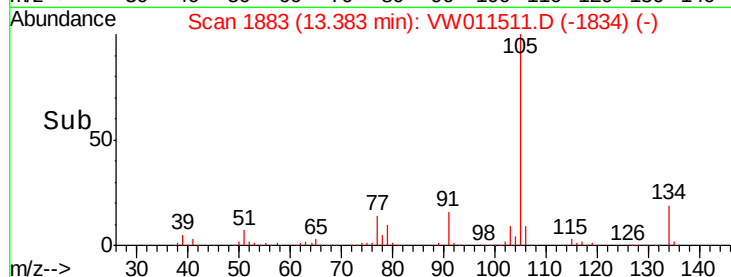
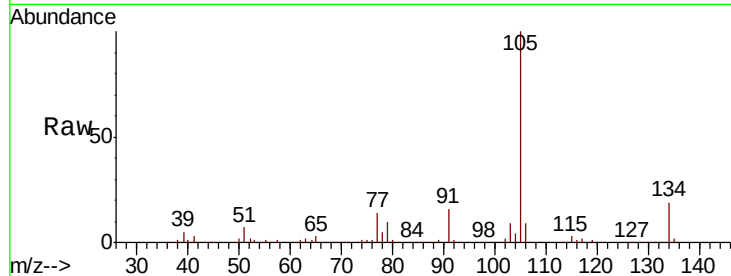




#85
 sec-Butylbenzene
 Concen: 19.995 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW011511.D
 Acq: 26 Jul 2019 12:24

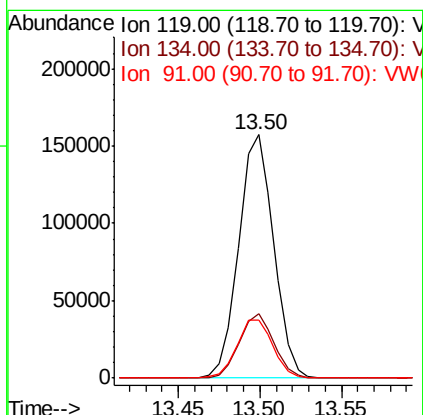
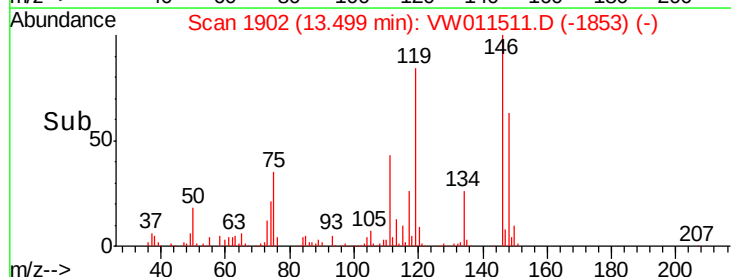
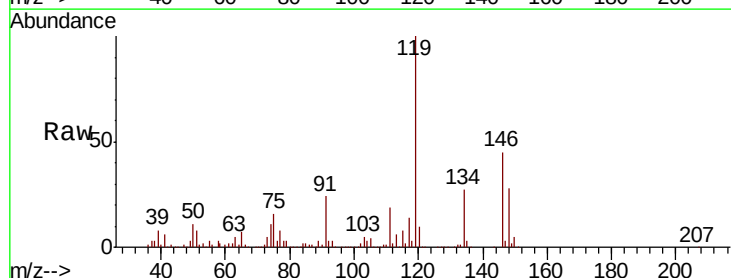
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

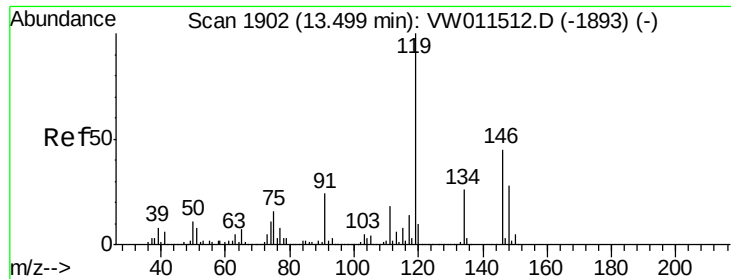
Tot Ion:105 Resp: 259780
 Ion Ratio Lower Upper
 105 100
 134 19.2 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 19.932 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011511.D
 Acq: 26 Jul 2019 12:24

Tgt Ion:119 Resp: 234958
 Ion Ratio Lower Upper
 119 100
 134 26.3 12.8 38.4
 91 24.7 12.1 36.3

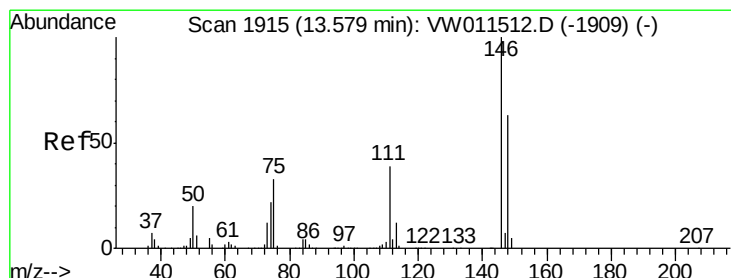
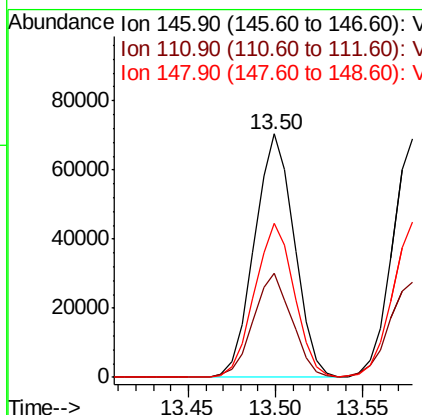
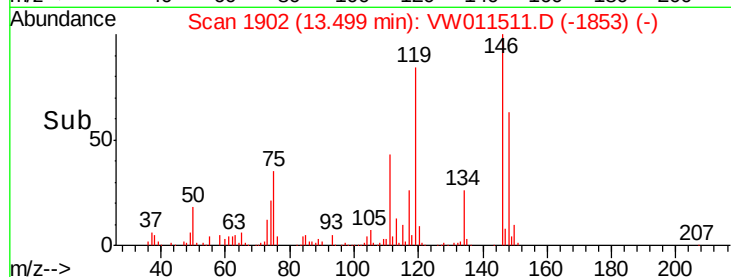
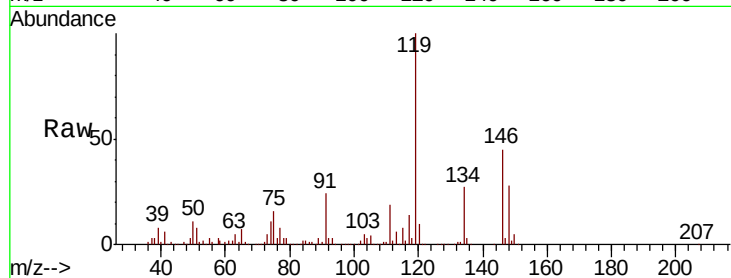




#87
 1,3-Dichlorobenzene
 Concen: 19.817 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011511.D
 Acq: 26 Jul 2019 12:24

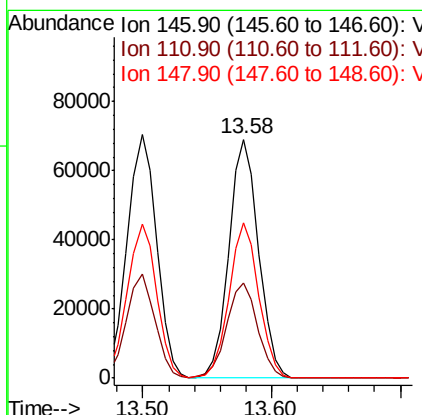
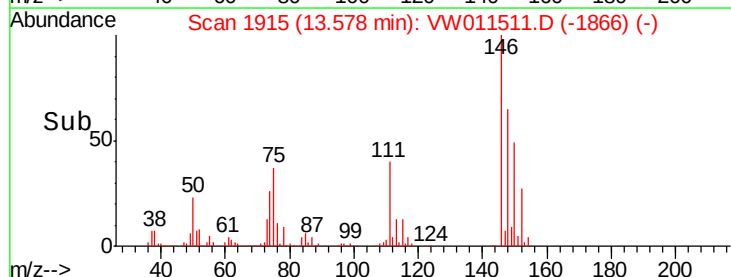
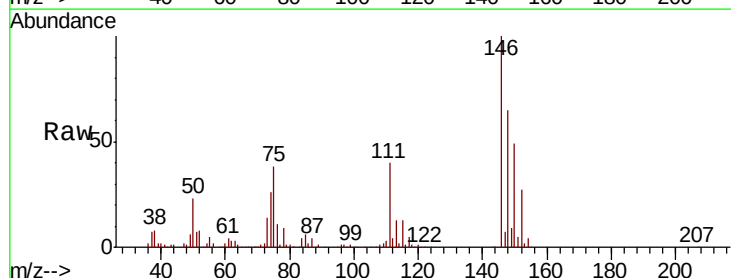
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

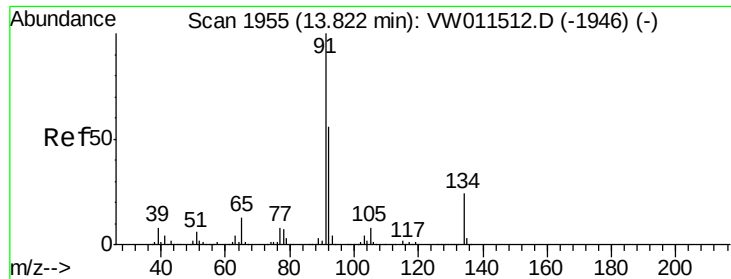
Tot Ion:146 Resp: 111562
 Ion Ratio Lower Upper
 146 100
 111 41.5 20.5 61.6
 148 62.8 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 19.814 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW011511.D
 Acq: 26 Jul 2019 12:24

Tgt Ion:146 Resp: 110960
 Ion Ratio Lower Upper
 146 100
 111 41.8 20.1 60.2
 148 65.0 31.9 95.9





#89

n-Butylbenzene

Concen: 19.855 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW011511.D

Acq: 26 Jul 2019 12:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

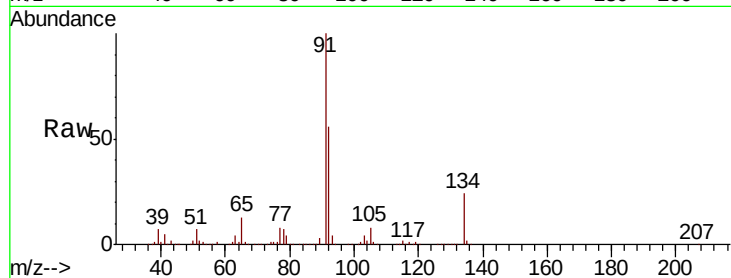
Tot Ion: 91 Resp: 233573

Ion Ratio Lower Upper

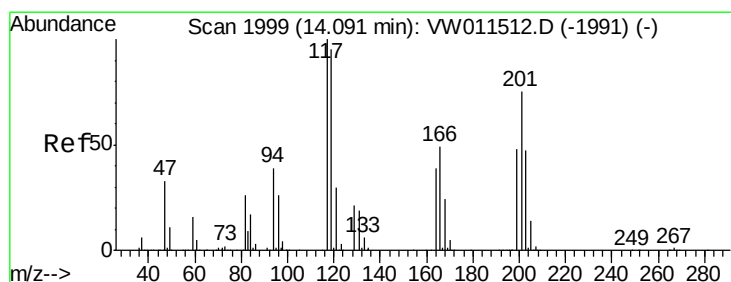
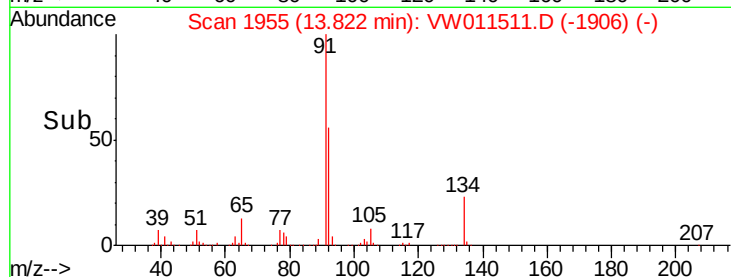
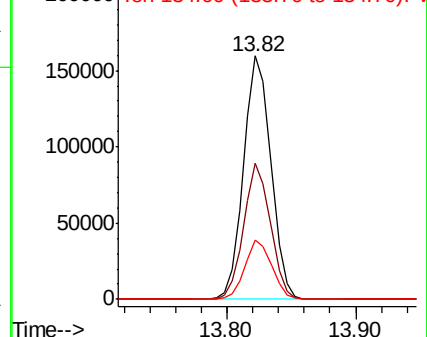
91 100

92 54.6 27.5 82.4

134 24.0 12.2 36.6



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



#90

Hexachloroethane

Concen: 19.431 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.01 min

Lab File: VW011511.D

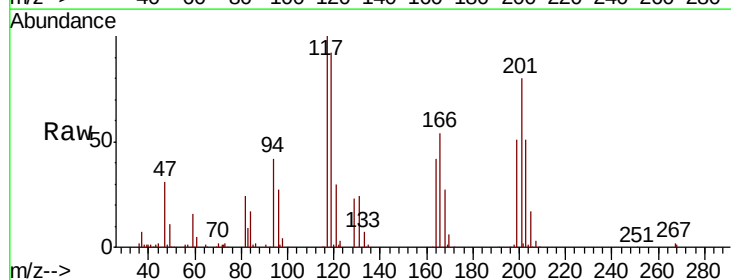
Acq: 26 Jul 2019 12:24

Tgt Ion: 117 Resp: 40503

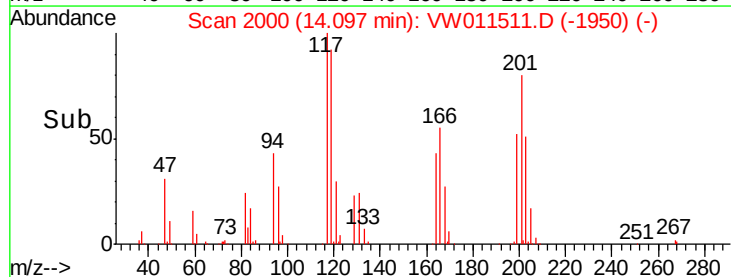
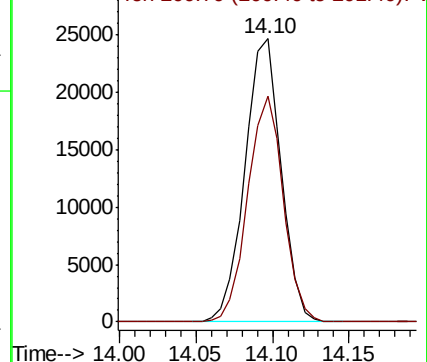
Ion Ratio Lower Upper

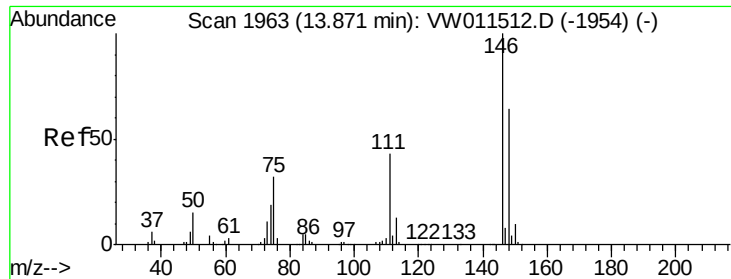
117 100

201 78.6 39.4 118.2



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

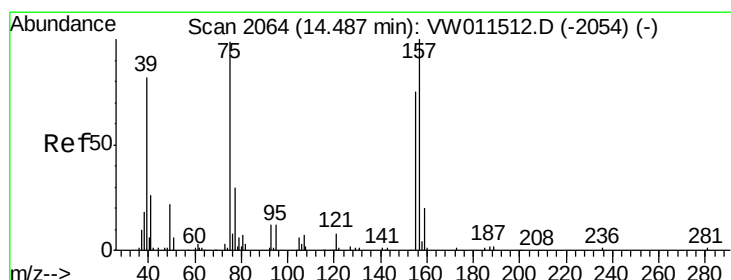
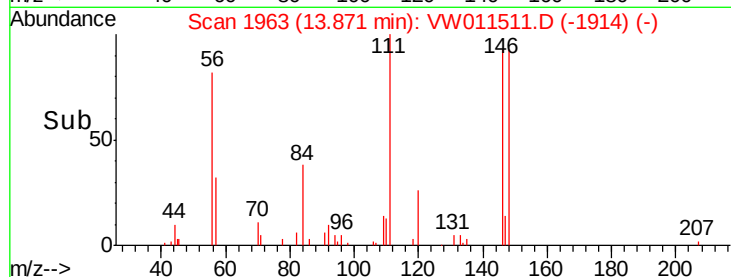
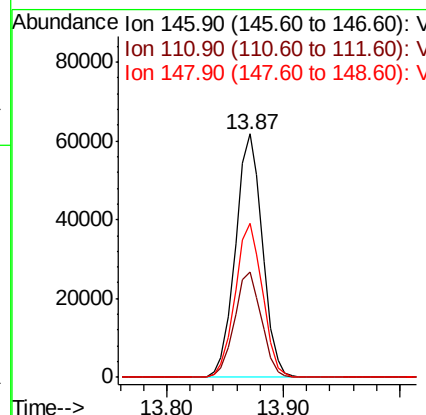
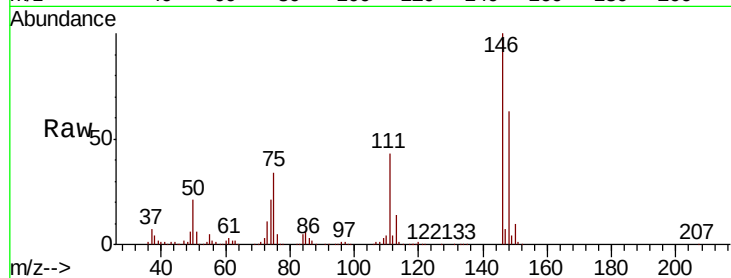




#91
 1,2-Dichlorobenzene
 Concen: 19.985 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW011511.D
 Acq: 26 Jul 2019 12:24

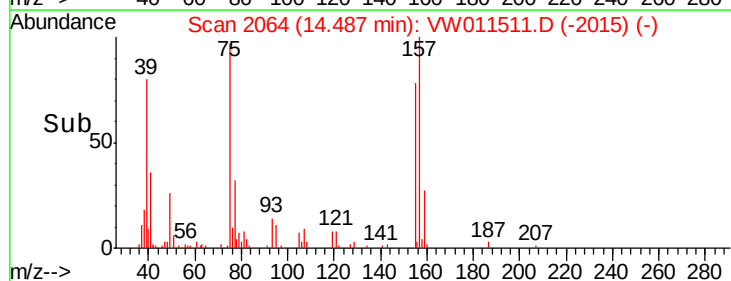
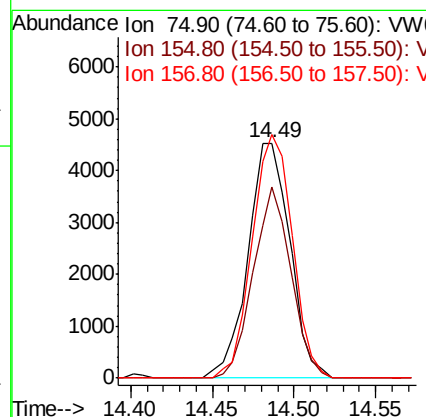
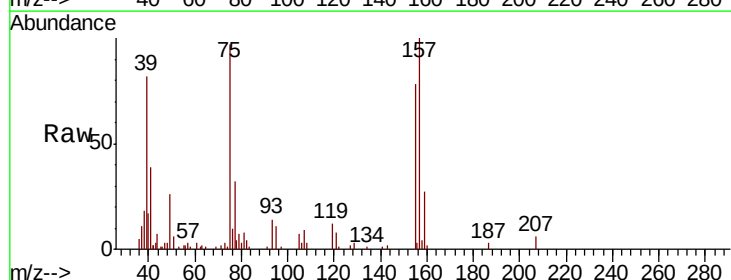
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

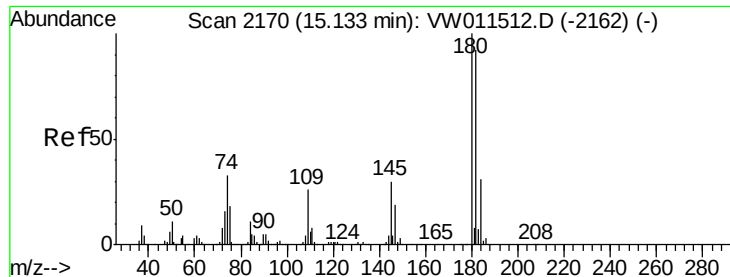
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.6	65.0
148	64.0	32.0	96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.498 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW011511.D
 Acq: 26 Jul 2019 12:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.2	38.2	114.6
157	99.0	48.9	146.7

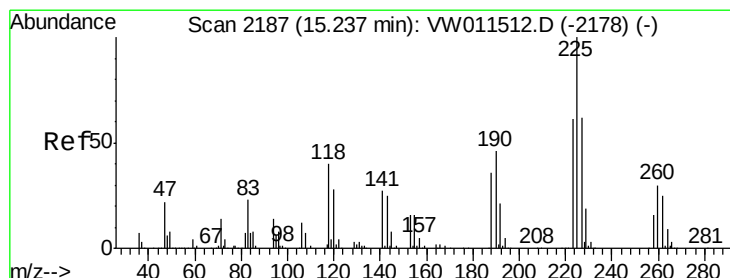
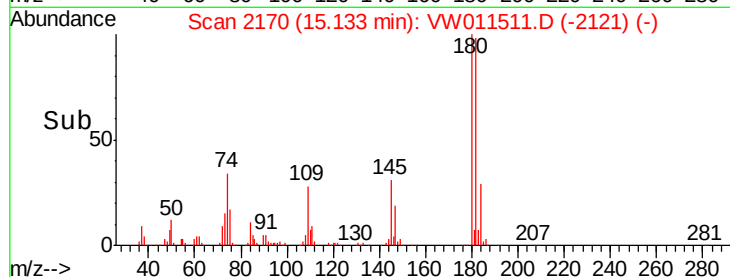
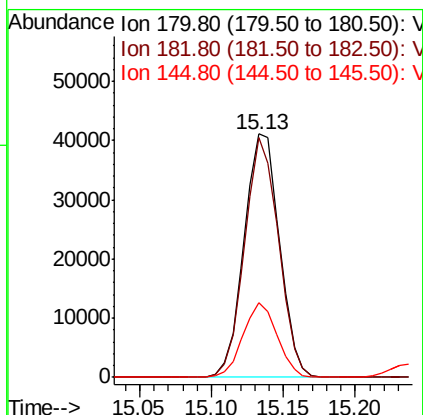
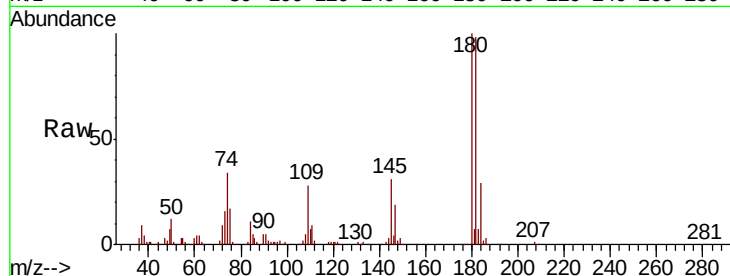




#93
 1,2,4-Trichlorobenzene
 Concen: 19.881 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW011511.D
 Acq: 26 Jul 2019 12:24

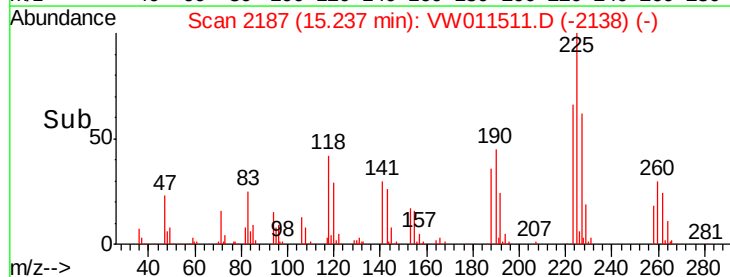
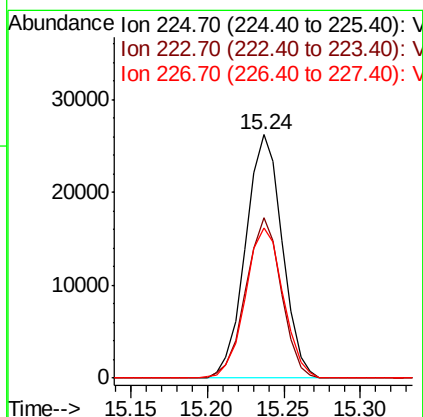
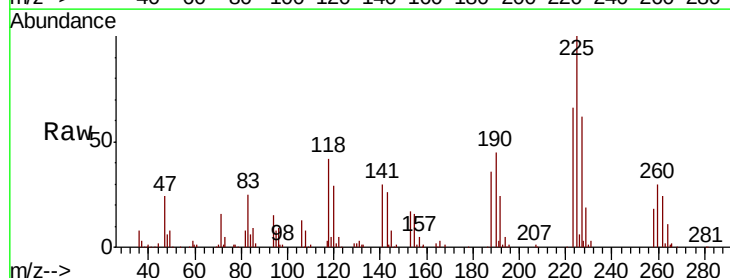
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

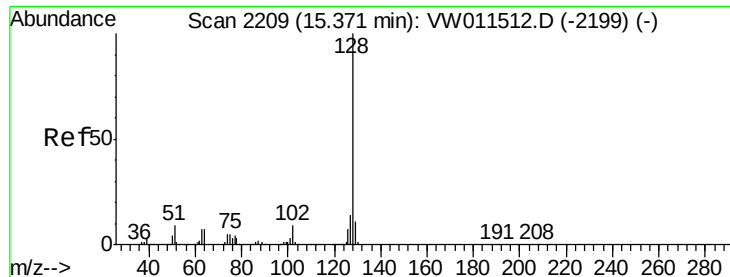
Tot Ion:180 Resp: 69766
 Ion Ratio Lower Upper
 180 100
 182 94.4 47.4 142.2
 145 29.6 15.4 46.1



#94
 Hexachlorobutadiene
 Concen: 20.001 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW011511.D
 Acq: 26 Jul 2019 12:24

Tgt Ion:225 Resp: 43769
 Ion Ratio Lower Upper
 225 100
 223 63.5 30.8 92.3
 227 63.2 31.6 94.7

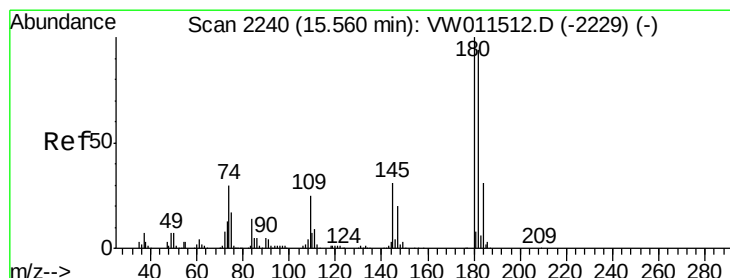
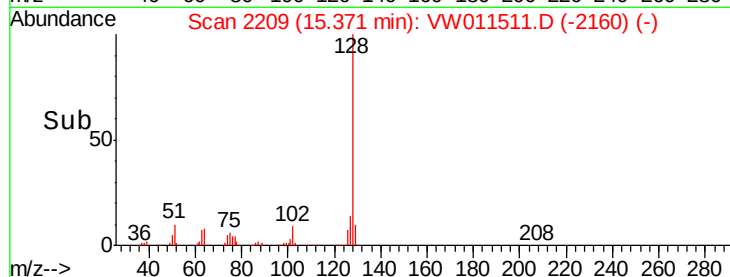
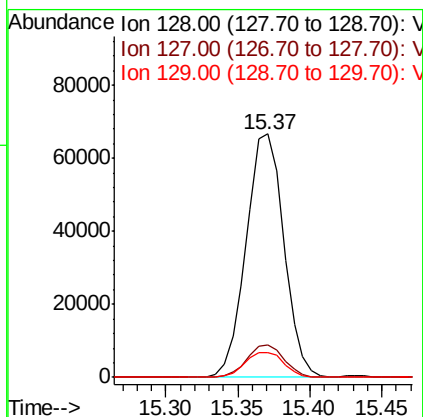
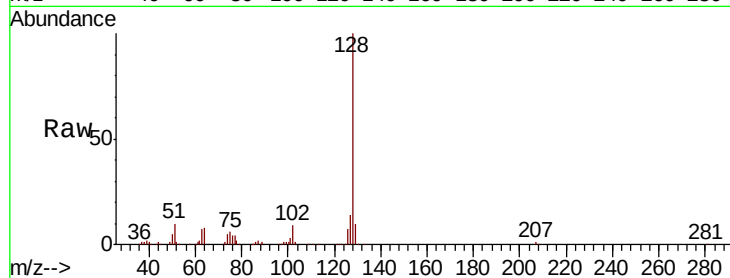




#95
Naphthalene
Concen: 19.419 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW011511.D
Acq: 26 Jul 2019 12:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion:128 Resp: 120819
Ion Ratio Lower Upper
128 100
127 13.2 10.6 16.0
129 10.6 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 19.669 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW011511.D
Acq: 26 Jul 2019 12:24

Tgt Ion:180 Resp: 60501
Ion Ratio Lower Upper
180 100
182 94.6 47.4 142.2
145 31.2 15.9 47.7

