

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082819\
 Data File : VW012245.D
 Acq On : 28 Aug 2019 11:22
 Operator : SY/VA
 Sample : VW0828SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 28 17:24:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	260310	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	407661	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	352345	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	171889	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	140443	45.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.78%	
35) Dibromofluoromethane	7.88	113	116729	47.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.94%	
50) Toluene-d8	10.32	98	483517	49.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.02%	
62) 4-Bromofluorobenzene	12.62	95	170132	48.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	26924	16.798	ug/l	96
3) Chloromethane	2.21	50	47694	19.206	ug/l	100
4) Vinyl Chloride	2.36	62	56974	18.745	ug/l	100
5) Bromomethane	2.71	94	21677	14.083	ug/l	94
6) Chloroethane	2.87	64	32310	18.844	ug/l	95
7) Trichlorofluoromethane	3.23	101	30753	20.151	ug/l	99
8) Diethyl Ether	3.67	74	26619	18.375	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.05	101	48519	18.703	ug/l	98
10) Methyl Iodide	4.26	142	64501	18.376	ug/l	99
11) Tert butyl alcohol	5.17	59	24357	130.795	ug/l #	82
12) 1,1-Dichloroethene	4.03	96	49240	18.858	ug/l	95
13) Acrolein	3.88	56	15794	90.100	ug/l	99
14) Allyl chloride	4.65	41	106085	19.005	ug/l	98
15) Acrylonitrile	5.35	53	69640	96.988	ug/l	99
16) Acetone	4.11	43	70885	89.614	ug/l	99
17) Carbon Disulfide	4.37	76	123374	15.635	ug/l	100
18) Methyl Acetate	4.66	43	38858	19.834	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	85088	20.151	ug/l	100
20) Methylene Chloride	4.90	84	58478	19.556	ug/l	98
21) trans-1,2-Dichloroethene	5.41	96	51770	18.490	ug/l	98
22) Diisopropyl ether	6.31	45	205537	19.865	ug/l	96
23) Vinyl Acetate	6.24	43	600669	94.333	ug/l	99
24) 1,1-Dichloroethane	6.21	63	107398	19.064	ug/l	99
25) 2-Butanone	7.17	43	100842	93.816	ug/l	99
26) 2,2-Dichloropropane	7.16	77	63125	19.796	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	58430	19.532	ug/l	100
28) Bromochloromethane	7.51	49	48335	19.685	ug/l	97
29) Tetrahydrofuran	7.52	42	63604	98.628	ug/l	99
30) Chloroform	7.67	83	98488	19.108	ug/l	98
31) Cyclohexane	7.95	56	102574	18.403	ug/l #	93
32) 1,1,1-Trichloroethane	7.87	97	78351	19.216	ug/l	99
36) 1,1-Dichloropropene	8.07	75	80499	19.109	ug/l	98
37) Ethyl Acetate	7.25	43	44435	19.248	ug/l	100
38) Carbon Tetrachloride	8.06	117	69466	19.052	ug/l	99

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 ClientSampleId :

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	90872	19.201	ug/l	98
40) Benzene	8.32	78	225347	19.590	ug/l	100
41) Methacrylonitrile	7.48	41	29272	21.575	ug/l	94
42) 1,2-Dichloroethane	8.40	62	70143	19.456	ug/l	98
43) Isopropyl Acetate	8.42	43	82475	19.288	ug/l	98
44) Trichloroethene	9.09	130	54765	19.584	ug/l	97
45) 1,2-Dichloropropane	9.37	63	60672	19.598	ug/l	98
46) Dibromomethane	9.46	93	26299	19.093	ug/l	98
47) Bromodichloromethane	9.64	83	69382	18.926	ug/l	98
48) Methyl methacrylate	9.43	41	39120	19.222	ug/l	95
49) 1,4-Dioxane	9.45	88	8081	383.225	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	215995	99.311	ug/l	99
52) Toluene	10.38	92	137806	19.942	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	72698	19.468	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	86929	19.280	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	39719	20.381	ug/l	98
56) Ethyl methacrylate	10.65	69	56634	19.967	ug/l	98
57) 1,3-Dichloropropane	10.93	76	73050	19.835	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	137632	94.546	ug/l	100
59) 2-Hexanone	10.97	43	152638	99.186	ug/l	99
60) Dibromochloromethane	11.13	129	42100	19.395	ug/l	100
61) 1,2-Dibromoethane	11.23	107	35745	19.687	ug/l	99
64) Tetrachloroethene	10.86	164	44811	19.616	ug/l	98
65) Chlorobenzene	11.66	112	137088	19.759	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	47334	19.556	ug/l	97
67) Ethyl Benzene	11.73	91	270344	20.228	ug/l	98
68) m/p-Xylenes	11.84	106	194386	40.378	ug/l	99
69) o-Xylene	12.16	106	90522	20.316	ug/l	99
70) Styrene	12.18	104	155973	20.224	ug/l	99
71) Bromoform	12.35	173	22901	18.991	ug/l #	99
73) Isopropylbenzene	12.46	105	261069	20.270	ug/l	100
74) N-amyl acetate	12.27	43	77000	19.787	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	45207	19.145	ug/l	96
76) 1,2,3-Trichloropropane	12.77	75	60774	36.303	ug/l #	100
77) Bromobenzene	12.74	156	56165	20.157	ug/l	95
78) n-propylbenzene	12.80	91	316176	20.108	ug/l	98
79) 2-Chlorotoluene	12.89	91	177576	19.892	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	218926	20.342	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	14311	18.743	ug/l	97
82) 4-Chlorotoluene	12.99	91	186267	19.927	ug/l	100
83) tert-Butylbenzene	13.21	119	190070	20.849	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	216407	20.017	ug/l	100
85) sec-Butylbenzene	13.38	105	267474	20.478	ug/l	100
86) p-Isopropyltoluene	13.50	119	241588	20.712	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	106996	19.632	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	106502	19.680	ug/l	98
89) n-Butylbenzene	13.82	91	239459	20.644	ug/l	100
90) Hexachloroethane	14.09	117	39331	19.219	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	94696	19.806	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	7649	19.215	ug/l	96

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	69361	20.992	ug/l	99
94) Hexachlorobutadiene	15.24	225	45413	20.815	ug/l	99
95) Naphthalene	15.36	128	126373	22.128	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	59978	20.806	ug/l	98

(#) = 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: VW012245.D

Acq: 28 Aug 2019 11:22

Instrument :

MSVOA_W

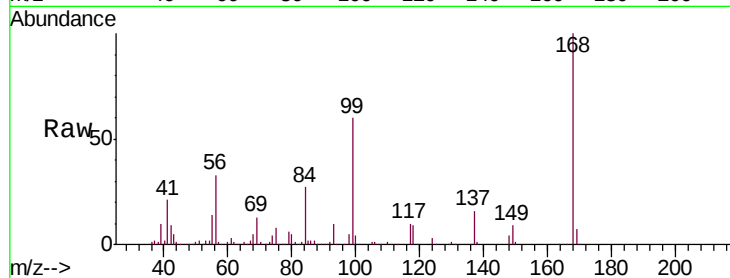
ClientSampleId :

Tot Ion:168 Resp: 260310

Ion Ratio Lower Upper

168 100

99 60.2 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

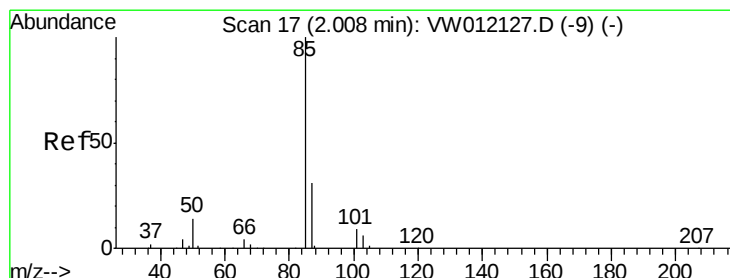
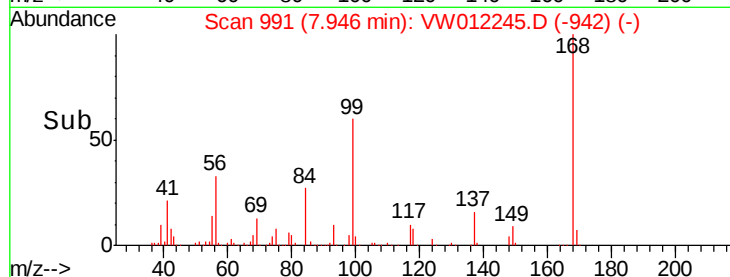
7.95

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 16.798 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW012245.D

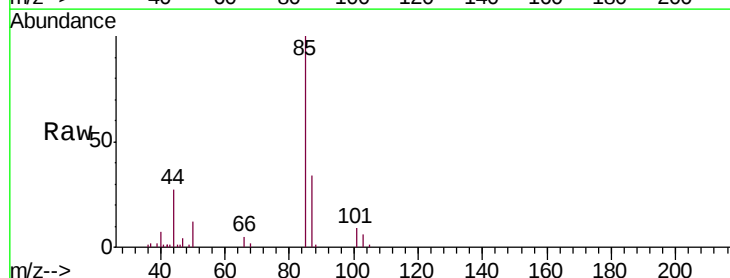
Acq: 28 Aug 2019 11:22

Tgt Ion: 85 Resp: 26924

Ion Ratio Lower Upper

85 100

87 33.7 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

10000

8000

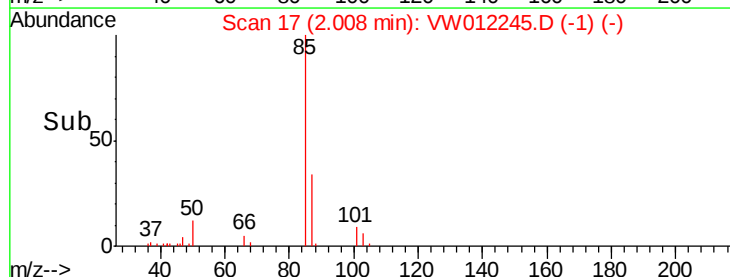
6000

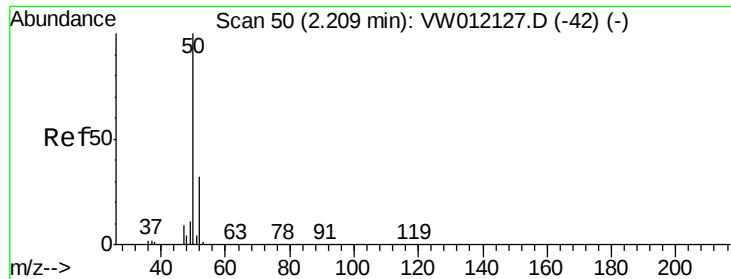
4000

2000

0

Time-->





#3

Chloromethane

Concen: 19.206 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW012245.D

Acq: 28 Aug 2019 11:22

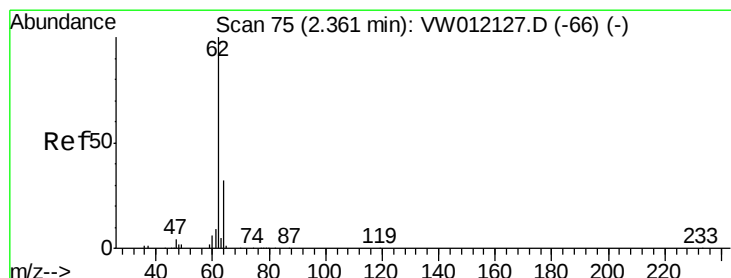
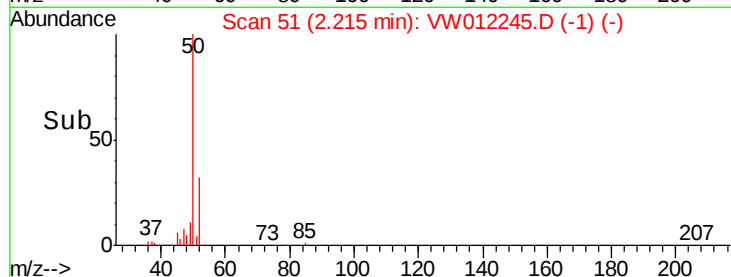
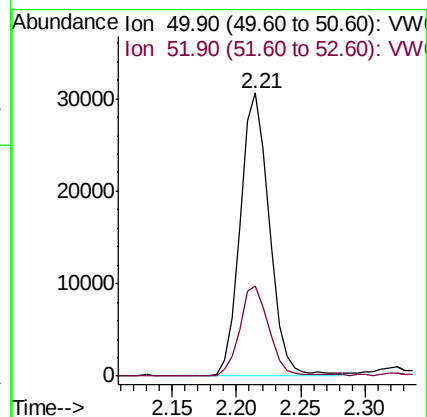
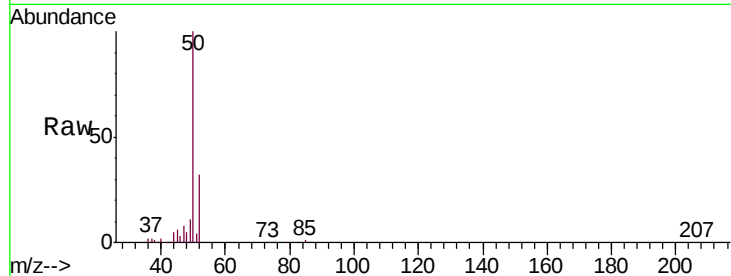
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 50 Resp: 47694

Ion Ratio Lower Upper

50 100

52 31.9 25.5 38.3



#4

Vinyl Chloride

Concen: 18.745 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW012245.D

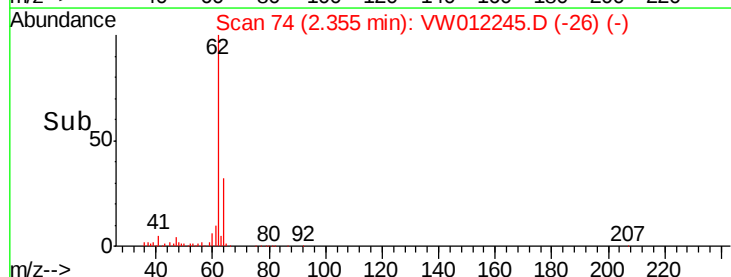
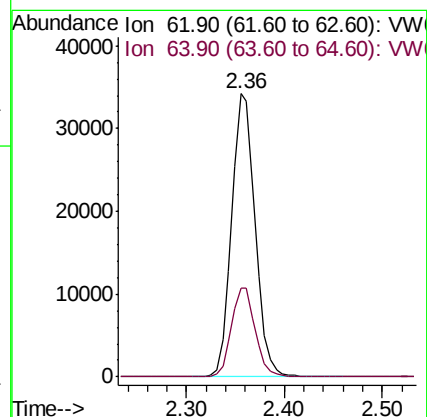
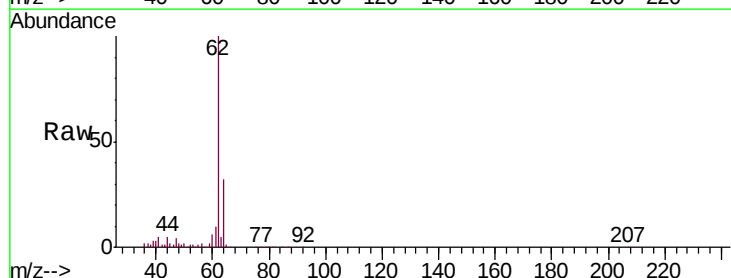
Acq: 28 Aug 2019 11:22

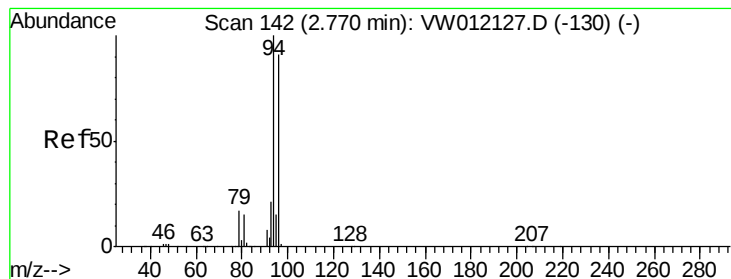
Tgt Ion: 62 Resp: 56974

Ion Ratio Lower Upper

62 100

64 31.6 25.3 37.9





#5

Bromomethane

Concen: 14.083 ug/l

RT: 2.71 min Scan# 133

Delta R.T. -0.05 min

Lab File: VW012245.D

Acq: 28 Aug 2019 11:22

Instrument :

MSVOA_W

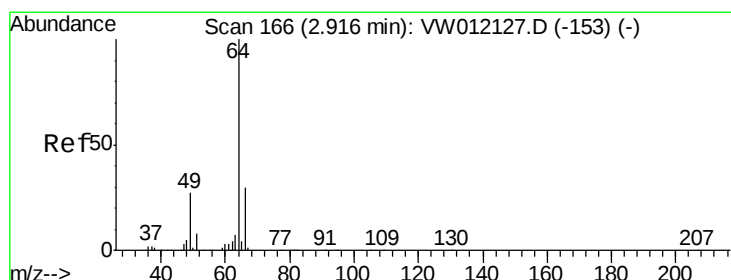
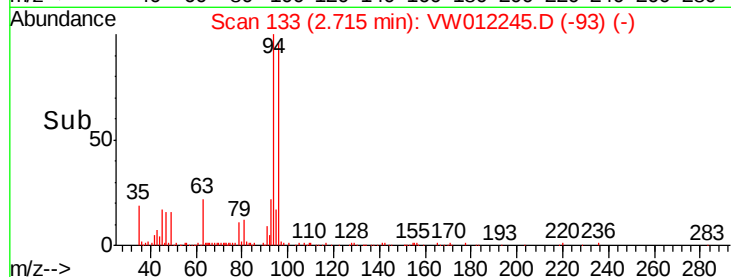
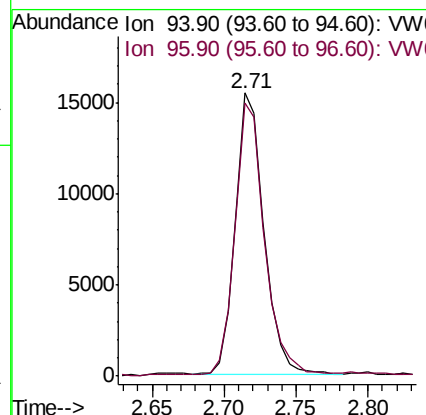
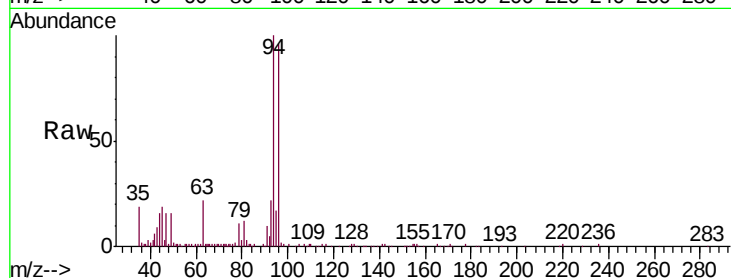
ClientSampleId :

Tot Ion: 94 Resp: 21677

Ion Ratio Lower Upper

94 100

96 96.5 72.9 109.3



#6

Chloroethane

Concen: 18.844 ug/l

RT: 2.87 min Scan# 159

Delta R.T. -0.04 min

Lab File: VW012245.D

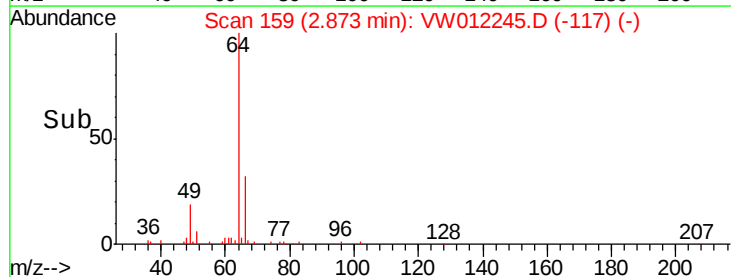
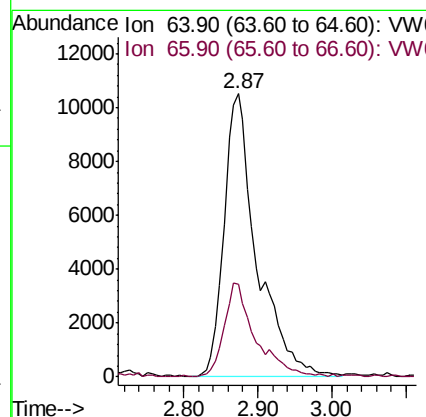
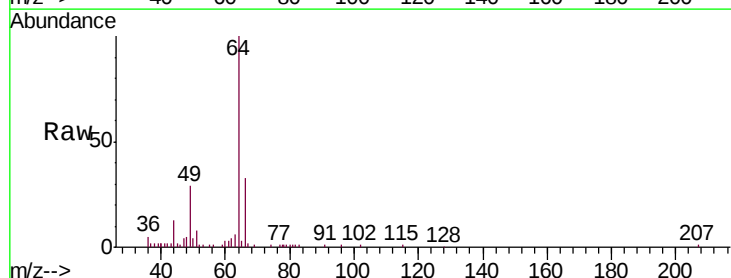
Acq: 28 Aug 2019 11:22

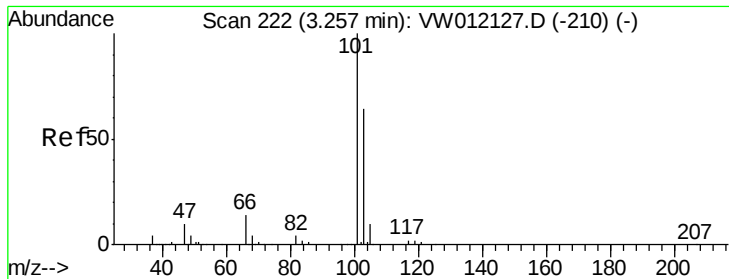
Tgt Ion: 64 Resp: 32310

Ion Ratio Lower Upper

64 100

66 32.7 23.8 35.8





#7

Trichlorofluoromethane

Concen: 20.151 ug/l

RT: 3.23 min Scan# 218

Delta R.T. -0.02 min

Lab File: VW012245.D

Acq: 28 Aug 2019 11:22

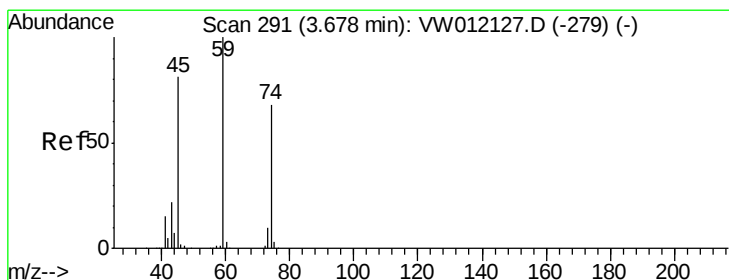
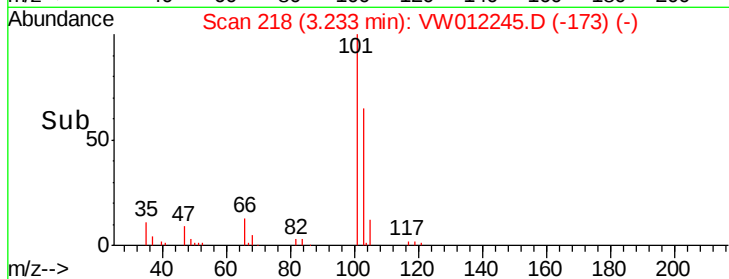
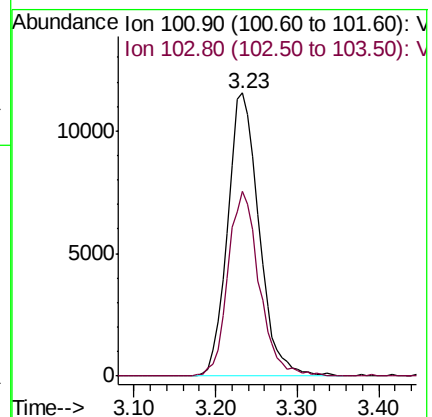
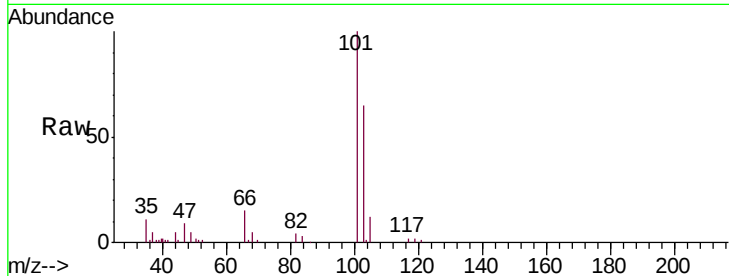
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:101 Resp: 30753

Ion Ratio Lower Upper

101 100

103 65.1 51.2 76.8



#8

Diethyl Ether

Concen: 18.375 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012245.D

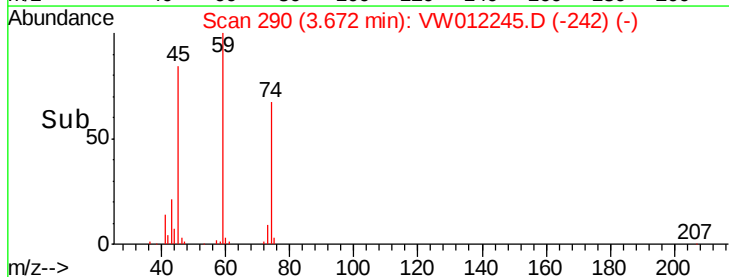
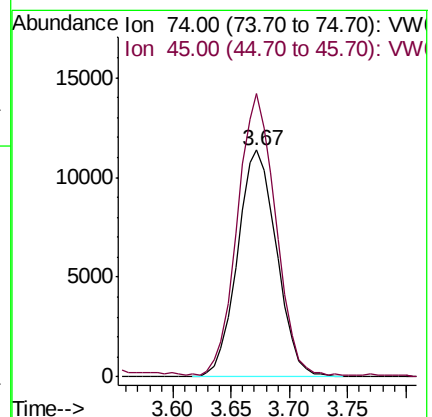
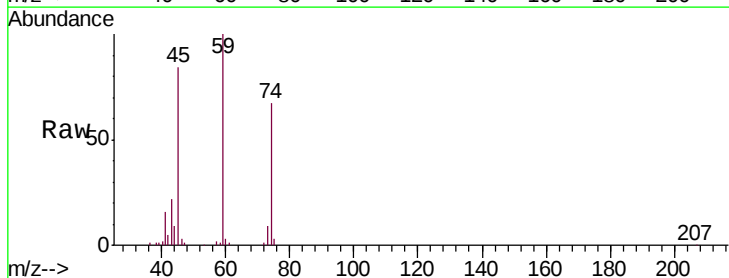
Acq: 28 Aug 2019 11:22

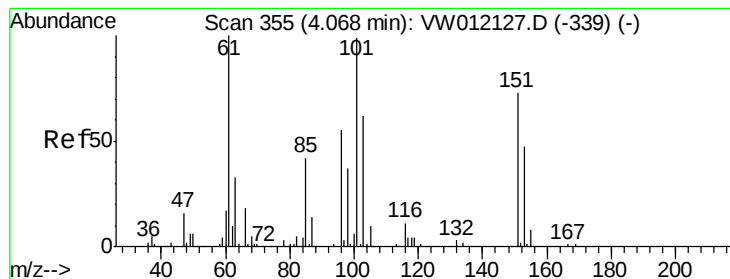
Tgt Ion: 74 Resp: 26619

Ion Ratio Lower Upper

74 100

45 121.9 59.2 177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.703 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.02 min

Lab File: VW012245.D

Acq: 28 Aug 2019 11:22

Instrument :

MSVOA_W

ClientSampleId :

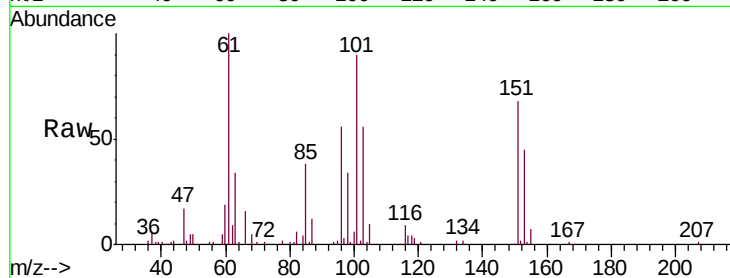
Tot Ion:101 Resp: 48519

Ion Ratio Lower Upper

101 100

85 45.4 35.8 53.6

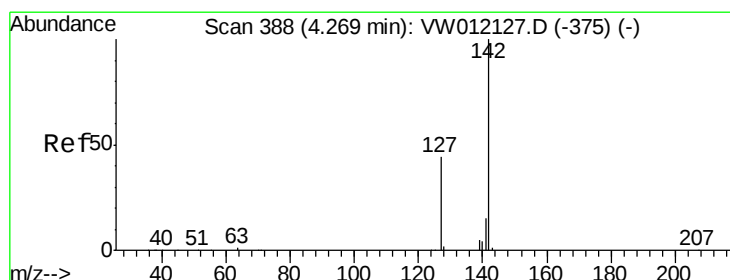
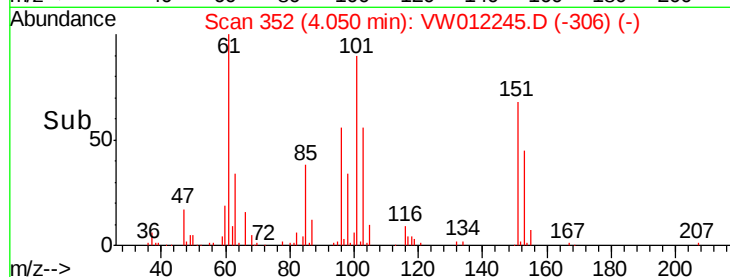
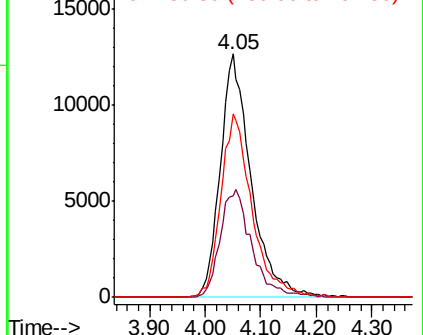
151 76.0 58.6 87.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.376 ug/l

RT: 4.26 min Scan# 386

Delta R.T. -0.01 min

Lab File: VW012245.D

Acq: 28 Aug 2019 11:22

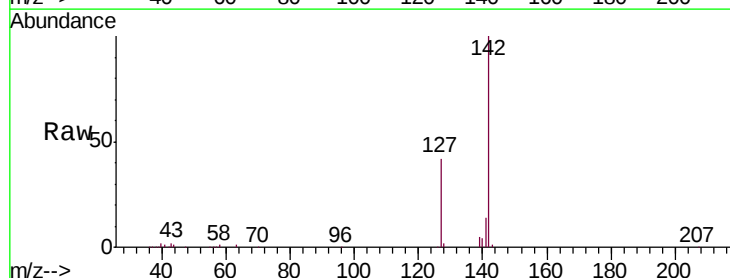
Tgt Ion:142 Resp: 64501

Ion Ratio Lower Upper

142 100

127 44.0 35.5 53.3

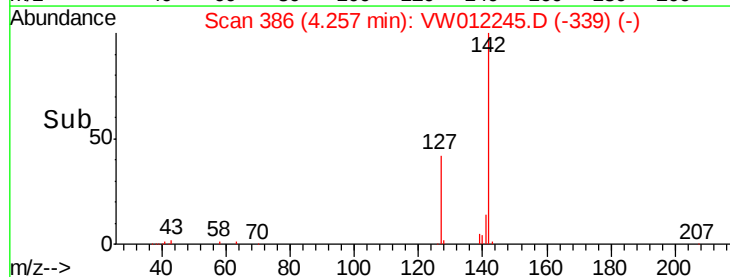
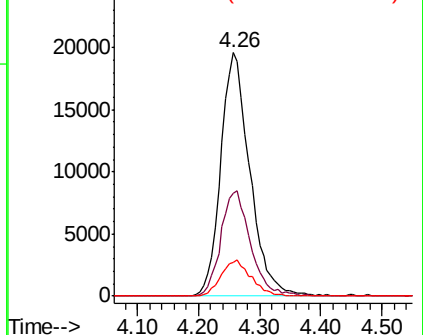
141 15.1 11.8 17.8

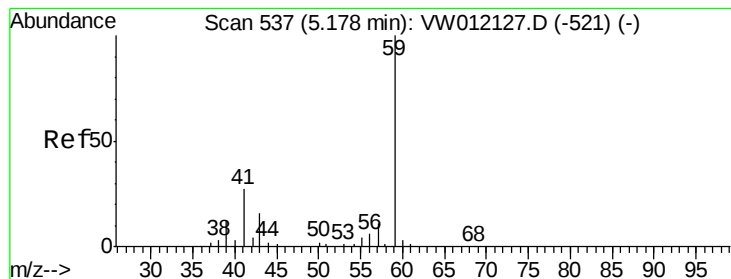


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 130.795 ug/l

RT: 5.17 min Scan# 535

Delta R.T. -0.01 min

Lab File: VW012245.D

Acq: 28 Aug 2019 11:22

Instrument :

MSVOA_W

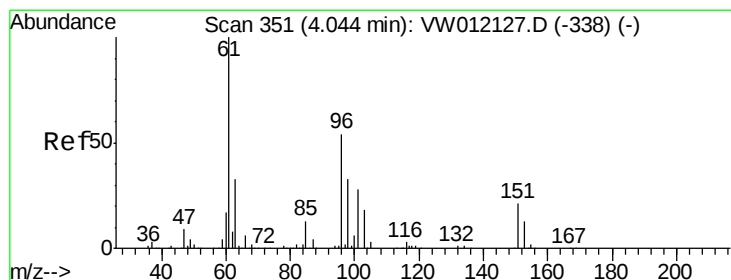
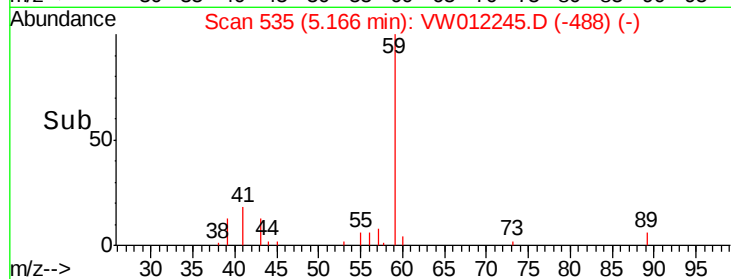
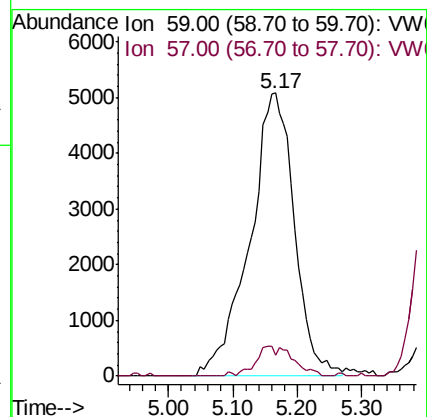
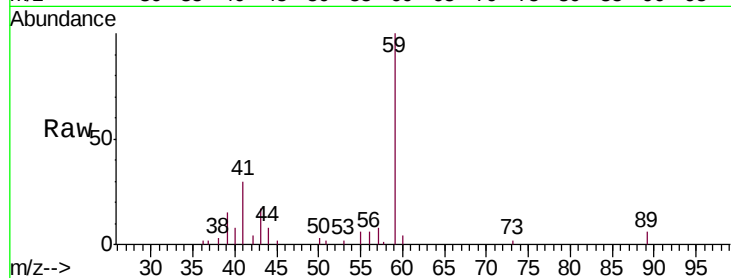
ClientSampleId :

Tot Ion: 59 Resp: 24357

Ion Ratio Lower Upper

59 100

57 4.5 9.0 13.4#



#12

1,1-Dichloroethene

Concen: 18.858 ug/l

RT: 4.03 min Scan# 348

Delta R.T. -0.02 min

Lab File: VW012245.D

Acq: 28 Aug 2019 11:22

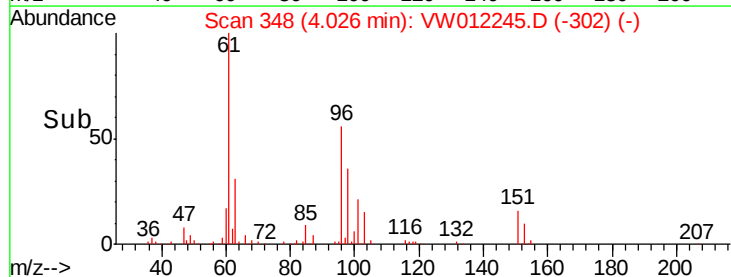
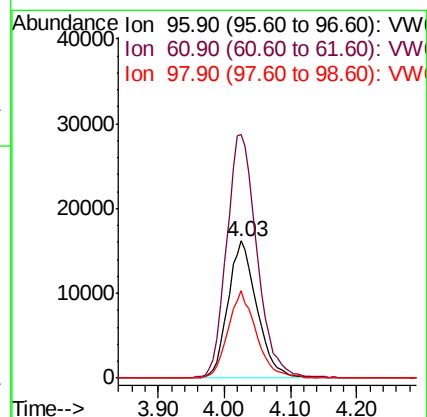
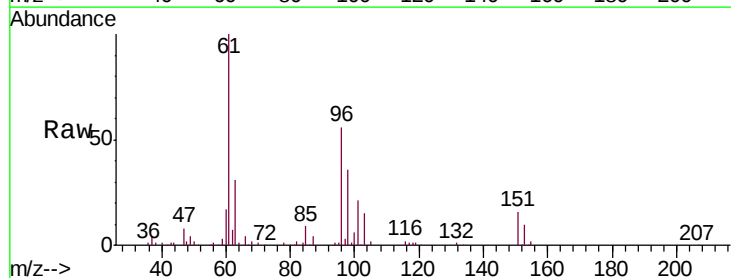
Tgt Ion: 96 Resp: 49240

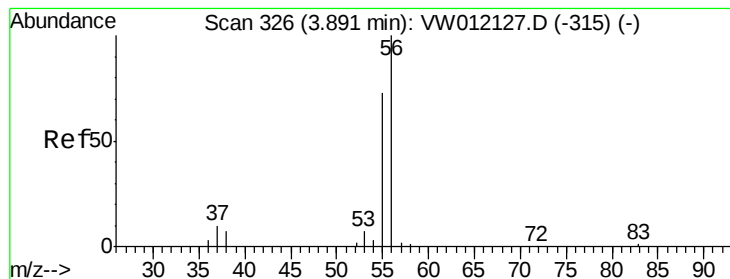
Ion Ratio Lower Upper

96 100

61 177.6 149.1 223.7

98 64.2 49.4 74.2





#13

Acrolein

Concen: 90.100 ug/l

RT: 3.88 min Scan# 324

Delta R.T. -0.01 min

Lab File: VW012245.D

Acq: 28 Aug 2019 11:22

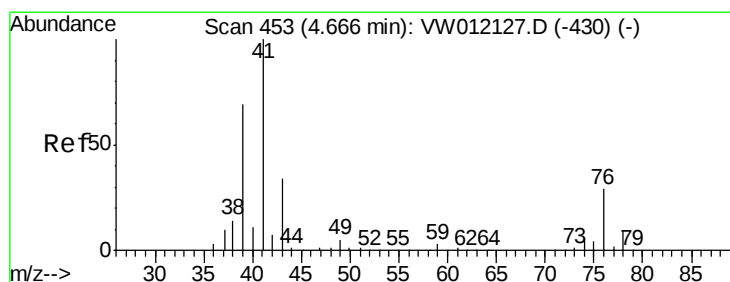
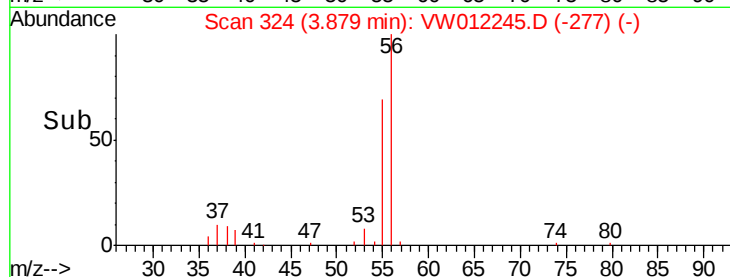
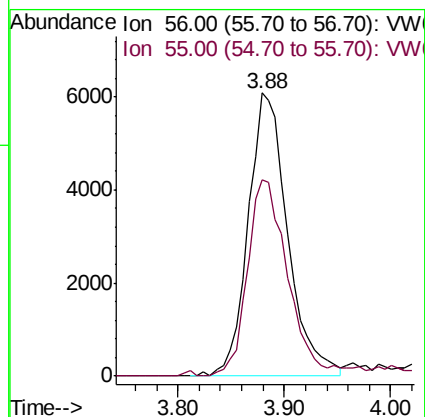
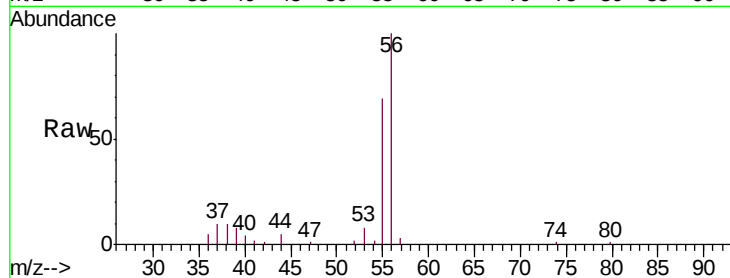
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 15794

Ion Ratio Lower Upper

56 100

55 70.9 55.8 83.8



#14

Allyl chloride

Concen: 19.005 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW012245.D

Acq: 28 Aug 2019 11:22

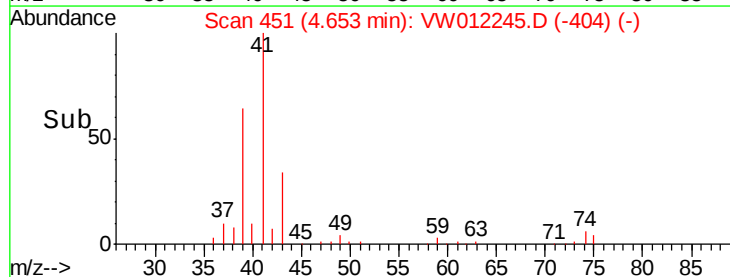
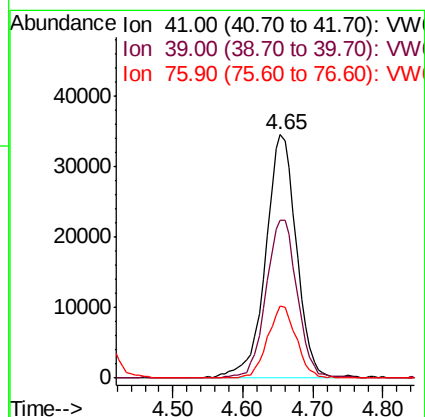
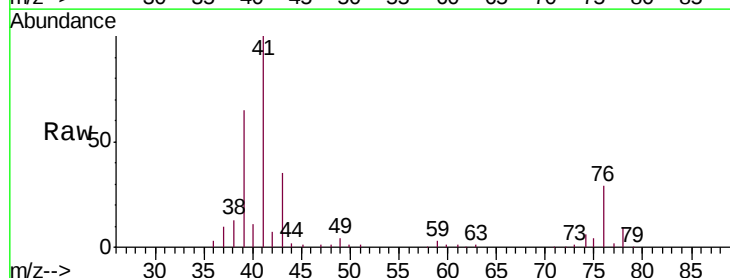
Tgt Ion: 41 Resp: 106085

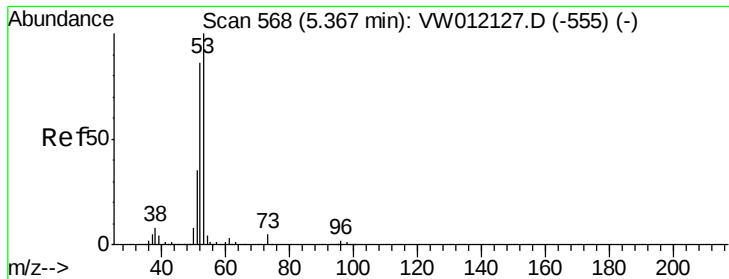
Ion Ratio Lower Upper

41 100

39 65.1 53.4 80.2

76 27.4 22.1 33.1





#15

Acrylonitrile

Concen: 96.988 ug/l

RT: 5.35 min Scan# 566

Delta R.T. -0.01 min

Lab File: VW012245.D

Acq: 28 Aug 2019 11:22

Instrument :

MSVOA_W

ClientSampled :

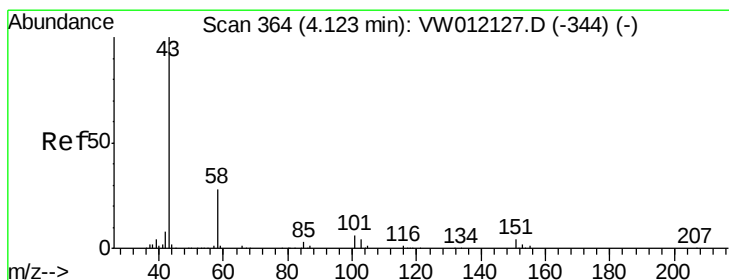
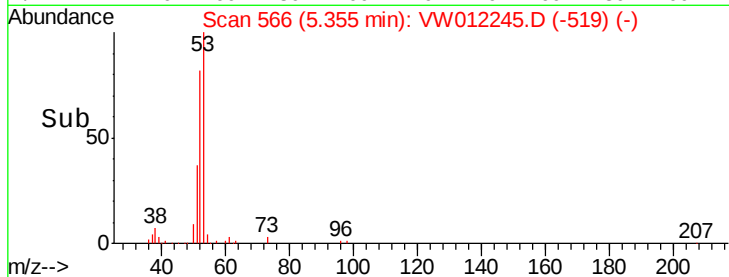
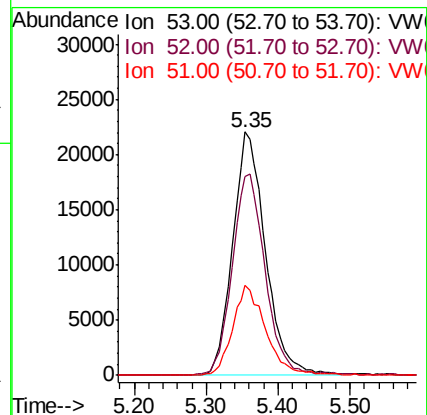
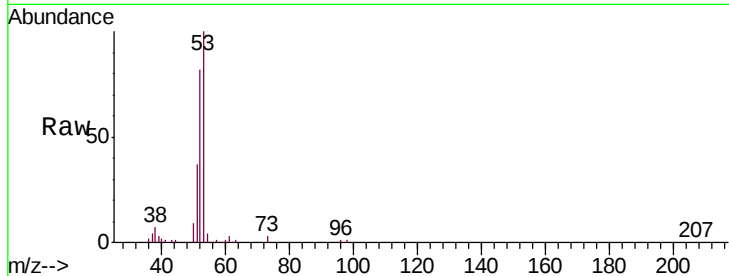
Tot Ion: 53 Resp: 69640

Ion Ratio Lower Upper

53 100

52 82.5 66.7 100.1

51 37.2 30.1 45.1



#16

Acetone

Concen: 89.614 ug/l

RT: 4.11 min Scan# 362

Delta R.T. -0.01 min

Lab File: VW012245.D

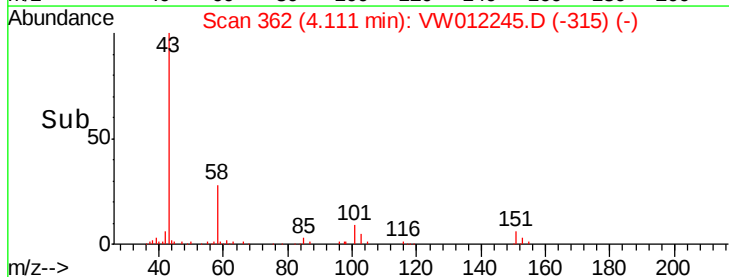
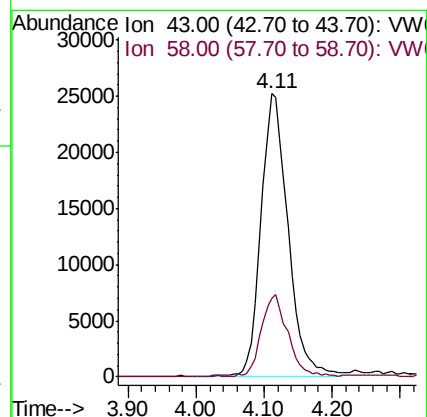
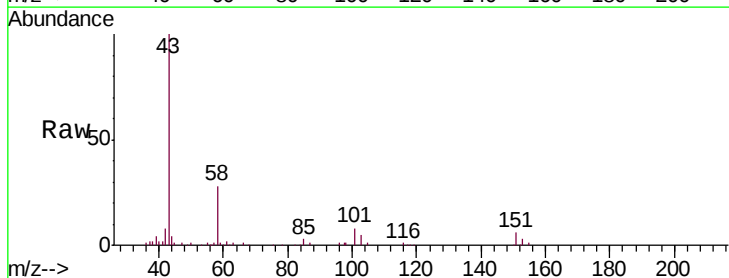
Acq: 28 Aug 2019 11:22

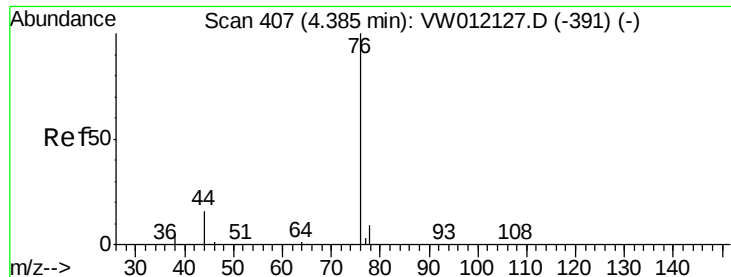
Tgt Ion: 43 Resp: 70885

Ion Ratio Lower Upper

43 100

58 27.7 22.4 33.6

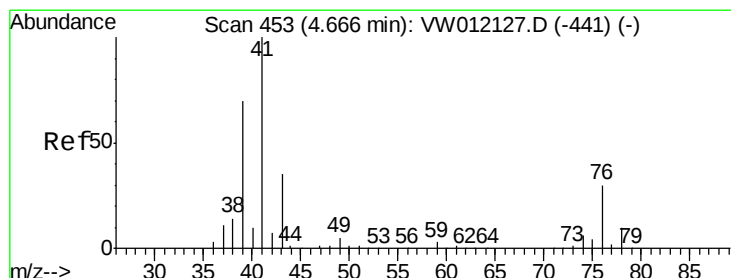
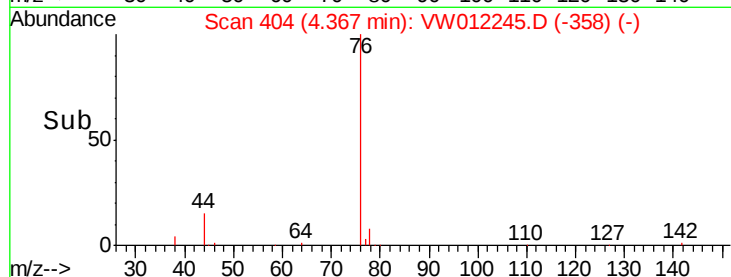
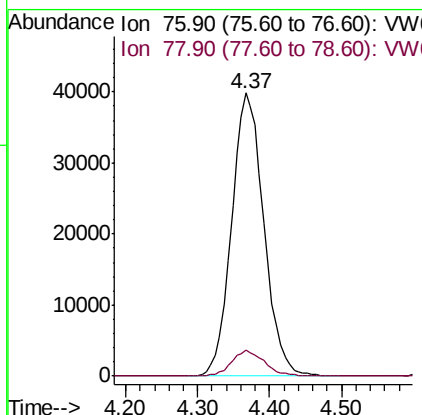
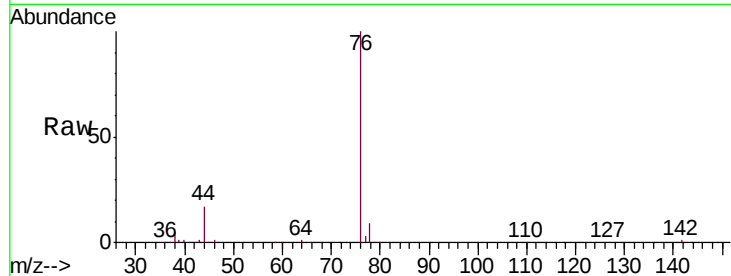




#17
Carbon Disulfide
Concen: 15.635 ug/l
RT: 4.37 min Scan# 404
Delta R.T. -0.02 min
Lab File: VW012245.D
Acq: 28 Aug 2019 11:22

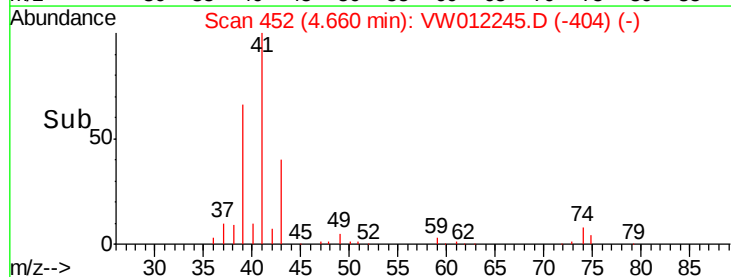
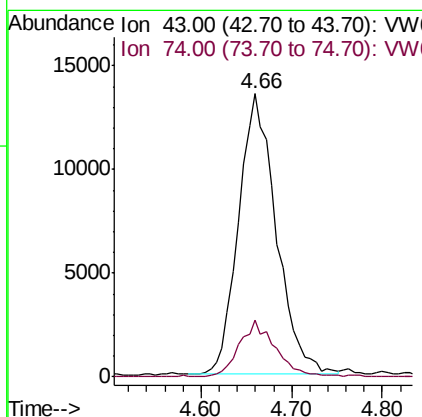
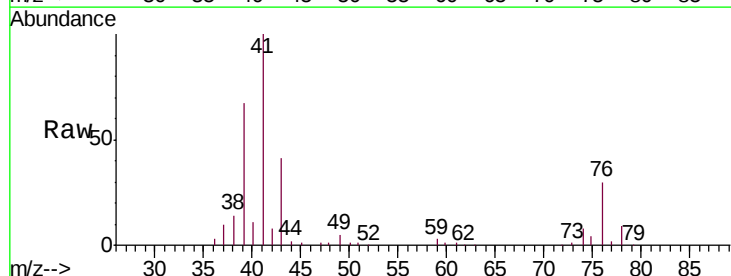
Instrument :
MSVOA_W
ClientSampleId :

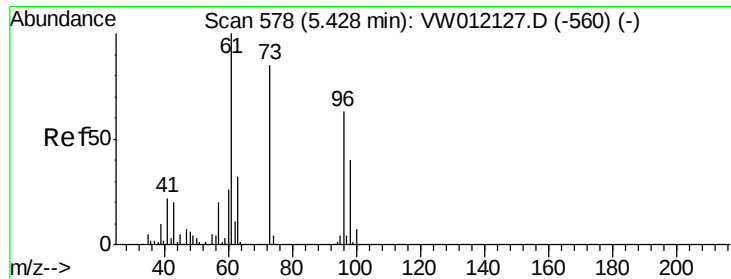
Tot Ion: 76 Resp: 123374
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9



#18
Methyl Acetate
Concen: 19.834 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW012245.D
Acq: 28 Aug 2019 11:22

Tgt Ion: 43 Resp: 38858
Ion Ratio Lower Upper
43 100
74 19.7 15.7 23.5

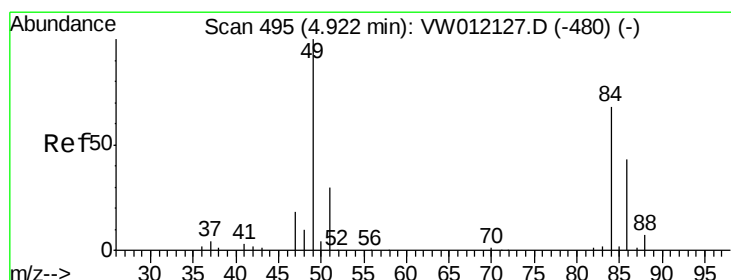
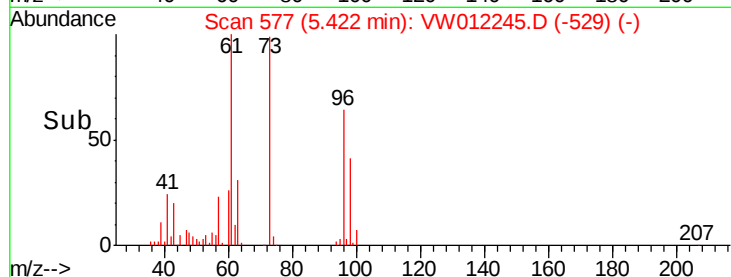
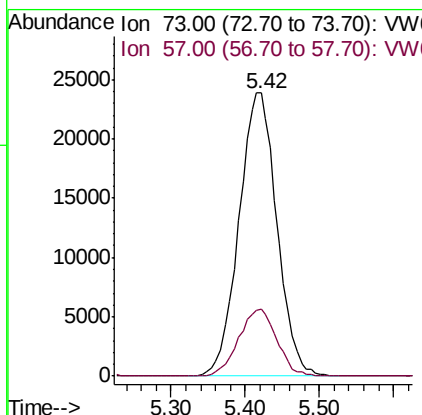
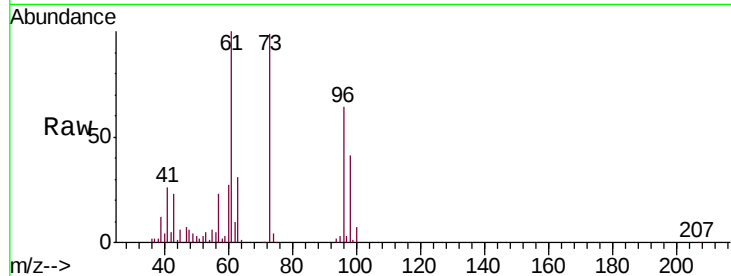




#19
Methvl tert-butvl Ether
Concen: 20.151 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW012245.D
Acq: 28 Aug 2019 11:22

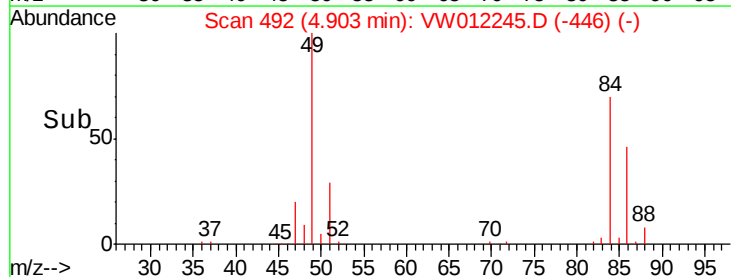
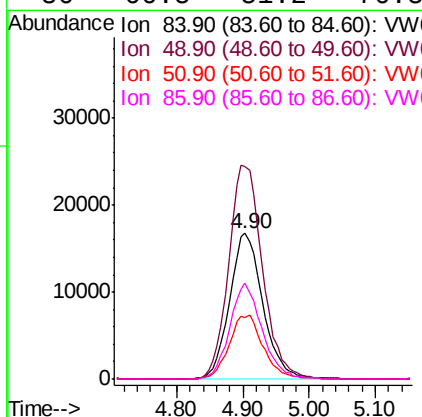
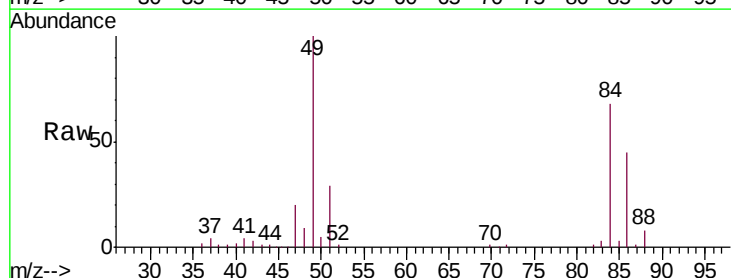
Instrument :
MSVOA_W
ClientSampled :

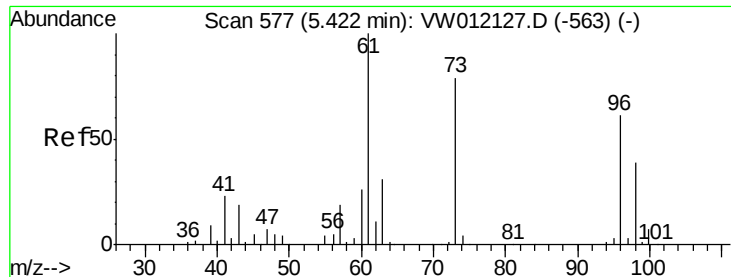
Tot Ion: 73 Resp: 85088
Ion Ratio Lower Upper
73 100
57 23.7 18.9 28.3



#20
Methylene Chloride
Concen: 19.556 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.02 min
Lab File: VW012245.D
Acq: 28 Aug 2019 11:22

Tgt Ion: 84 Resp: 58478
Ion Ratio Lower Upper
84 100
49 146.5 117.8 176.8
51 42.6 35.6 53.4
86 66.5 51.2 76.8

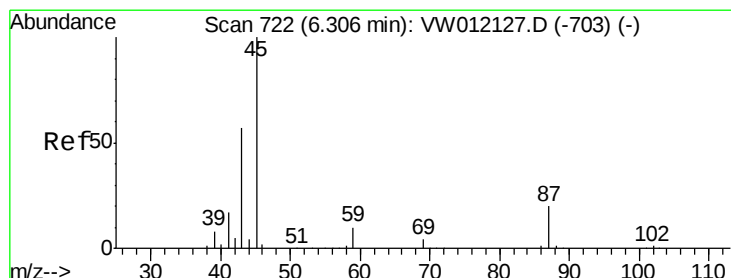
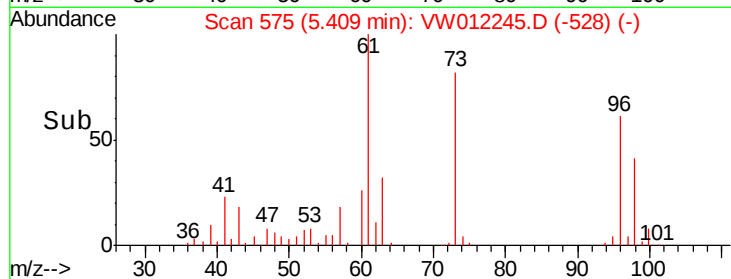
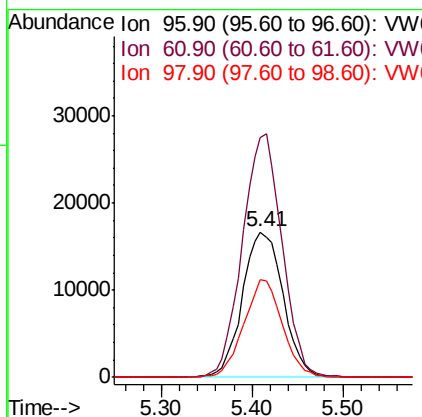
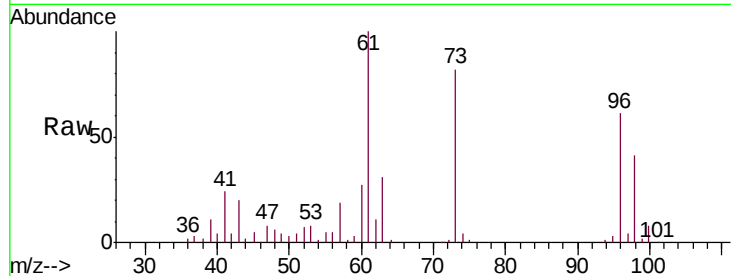




#21
trans-1,2-Dichloroethene
Concen: 18.490 ug/l
RT: 5.41 min Scan# 575
Delta R.T. -0.01 min
Lab File: VW012245.D
Acq: 28 Aug 2019 11:22

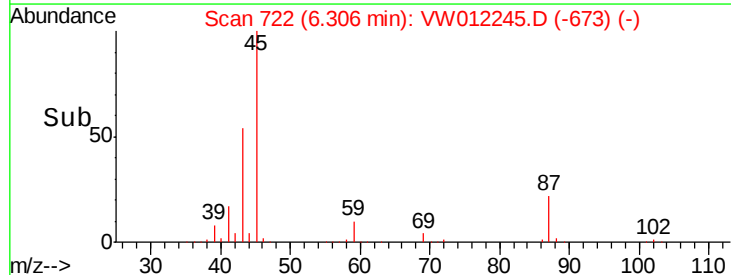
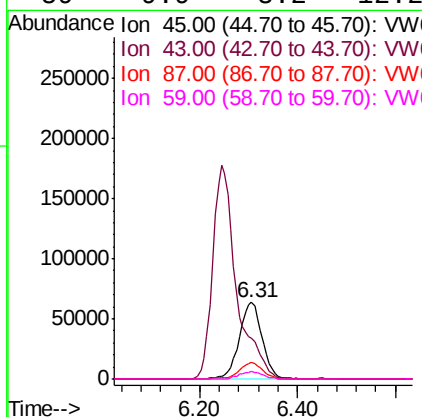
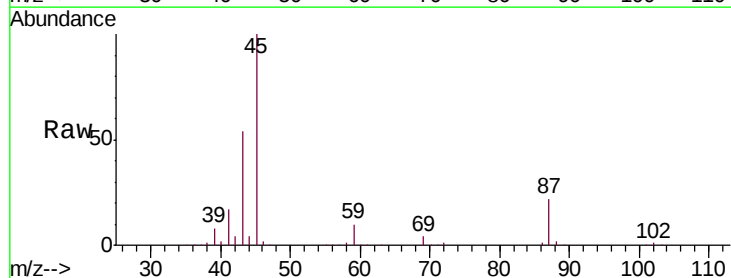
Instrument :
MSVOA_W
ClientSampleId :

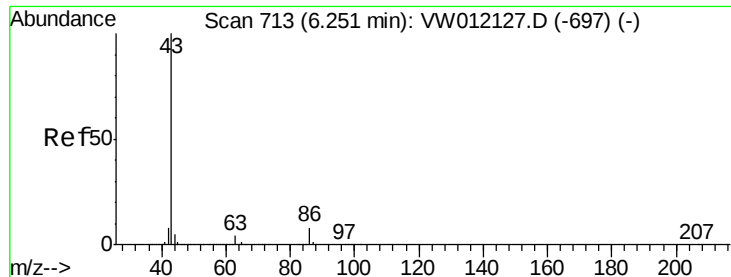
Tot Ion: 96 Resp: 51770
Ion Ratio Lower Upper
96 100
61 165.1 131.4 197.0
98 67.3 51.4 77.0



#22
Diisopropyl ether
Concen: 19.865 ug/l
RT: 6.31 min Scan# 722
Delta R.T. 0.00 min
Lab File: VW012245.D
Acq: 28 Aug 2019 11:22

Tgt Ion: 45 Resp: 205537
Ion Ratio Lower Upper
45 100
43 53.7 45.5 68.3
87 21.8 16.1 24.1
59 9.9 8.2 12.2





#23

Vinyl Acetate

Concen: 94.333 ug/l

RT: 6.24 min Scan# 712

Delta R.T. -0.01 min

Lab File: VW012245.D

Acq: 28 Aug 2019 11:22

Instrument :

MSVOA_W

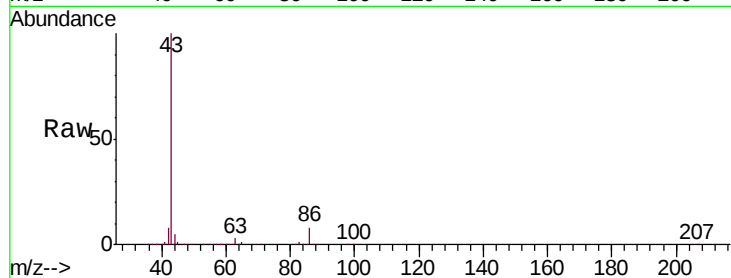
ClientSampleId :

Tot Ion: 43 Resp: 600669

Ion Ratio Lower Upper

43 100

86 8.4 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.24

200000

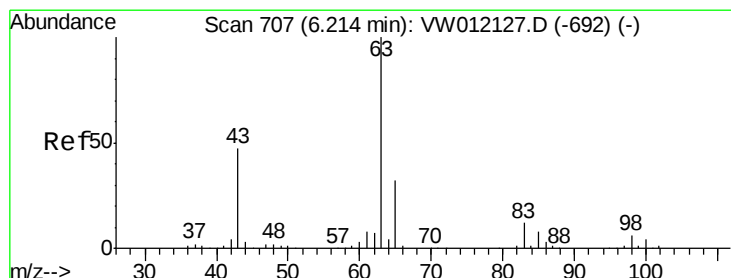
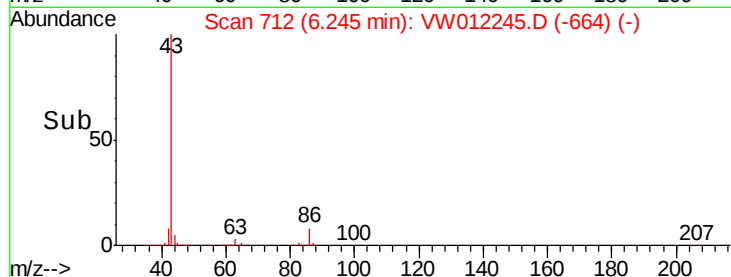
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.064 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW012245.D

Acq: 28 Aug 2019 11:22

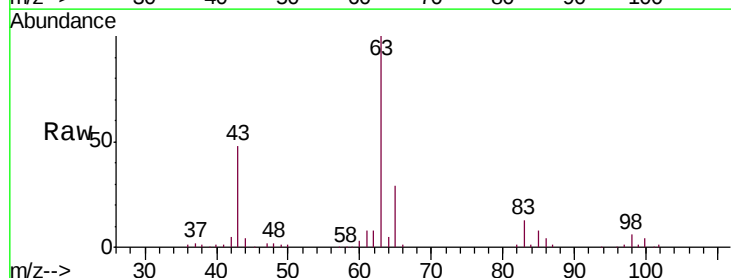
Tgt Ion: 63 Resp: 107398

Ion Ratio Lower Upper

63 100

98 6.3 3.0 9.2

100 4.2 2.0 6.0



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

50000

40000

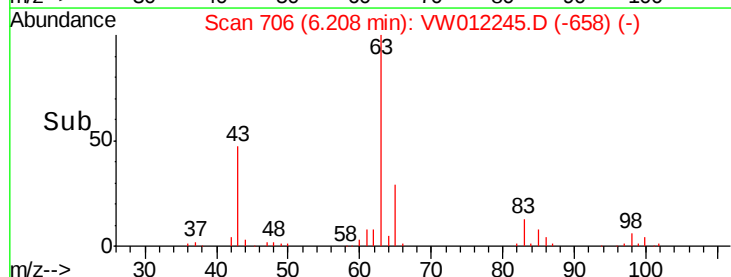
30000

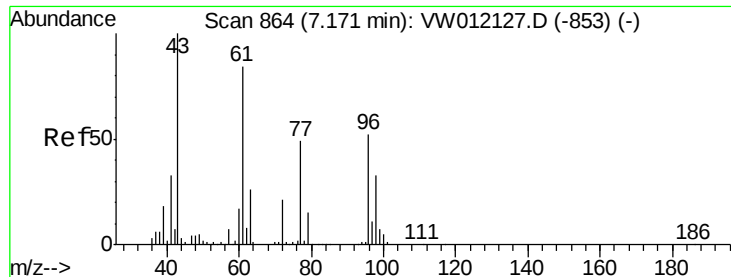
20000

10000

0

Time-->





#25

2-Butanone

Concen: 93.816 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW012245.D

Acq: 28 Aug 2019 11:22

Instrument :

MSVOA_W

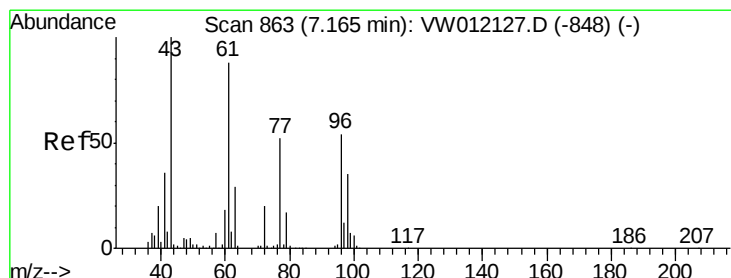
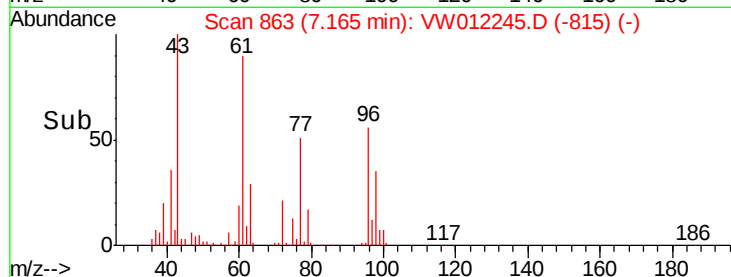
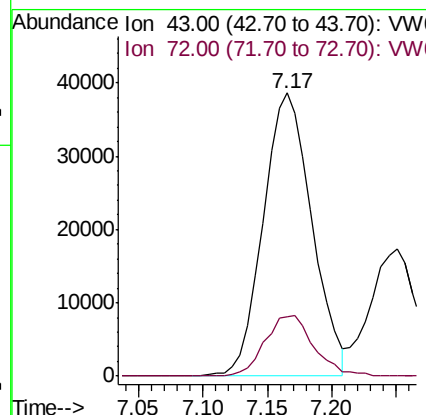
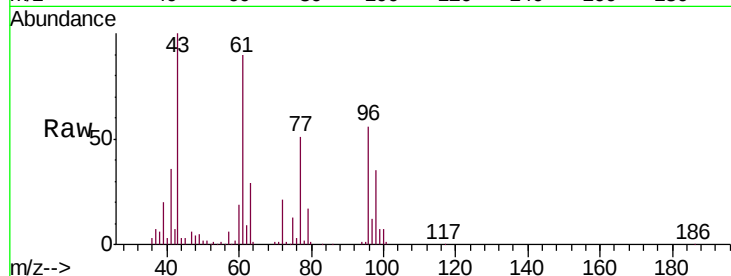
ClientSampled :

Tot Ion: 43 Resp: 100842

Ion Ratio Lower Upper

43 100

72 21.2 16.6 24.8



#26

2,2-Dichloropropane

Concen: 19.796 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW012245.D

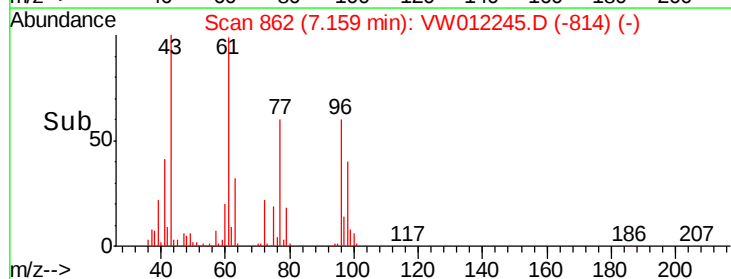
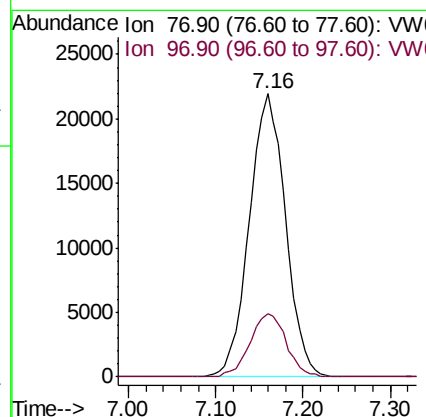
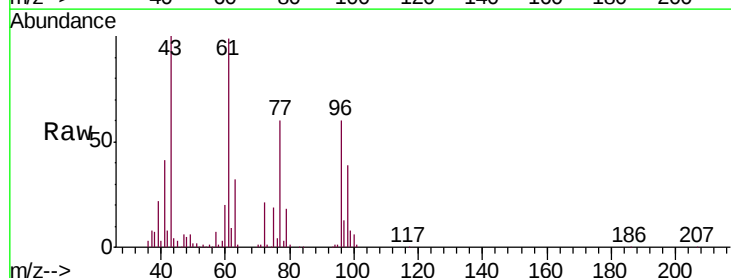
Acq: 28 Aug 2019 11:22

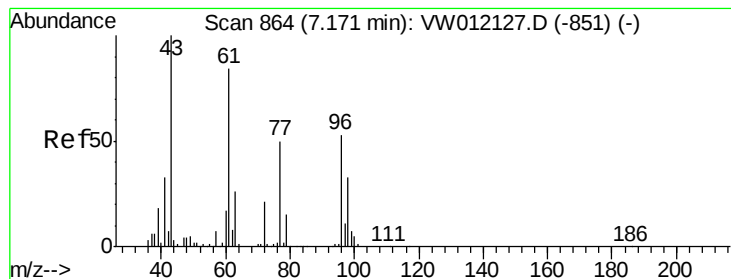
Tgt Ion: 77 Resp: 63125

Ion Ratio Lower Upper

77 100

97 22.2 11.1 33.1



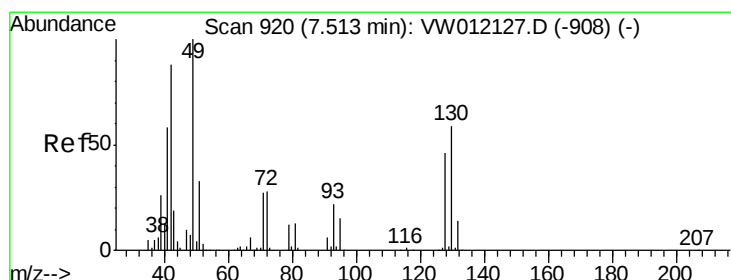
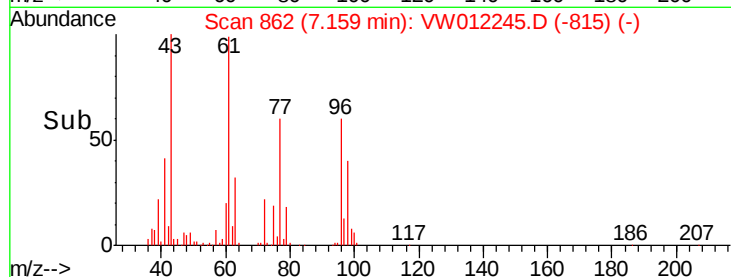
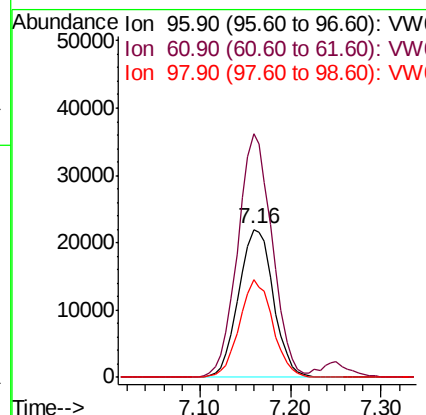
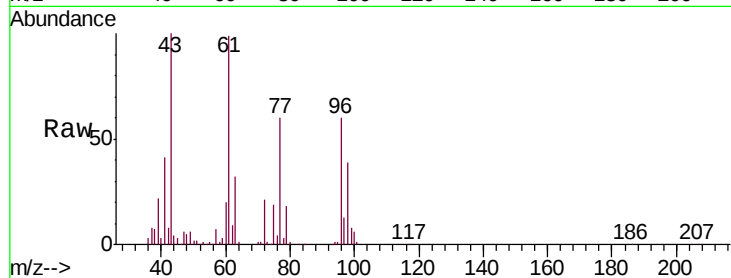


#27

cis-1,2-Dichloroethene
Concen: 19.532 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW012245.D
Acq: 28 Aug 2019 11:22

Instrument :
MSVOA_W
ClientSampleId :

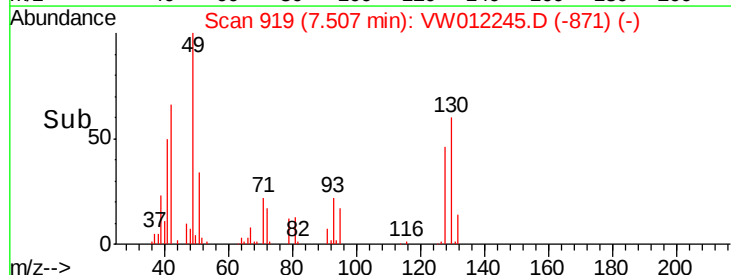
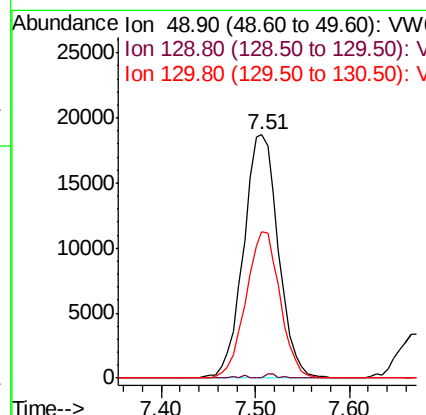
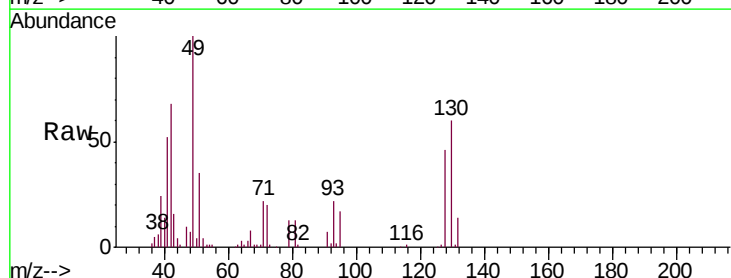
Tot Ion: 96 Resp: 58430
Ion Ratio Lower Upper
96 100
61 163.2 0.0 326.6
98 63.1 0.0 127.4

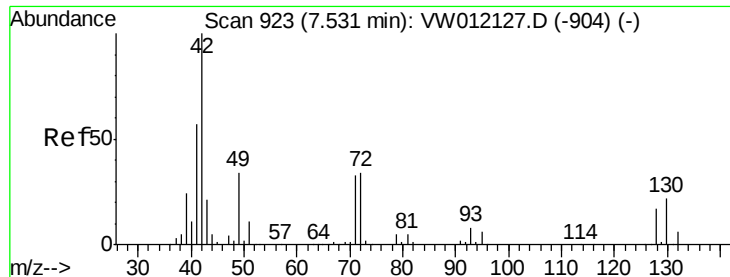


#28

Bromochloromethane
Concen: 19.685 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW012245.D
Acq: 28 Aug 2019 11:22

Tgt Ion: 49 Resp: 48335
Ion Ratio Lower Upper
49 100
129 0.6 0.0 1.4
130 58.9 45.5 68.3





#29

Tetrahydrofuran

Concen: 98.628 ug/l

RT: 7.52 min Scan# 922

Delta R.T. -0.01 min

Lab File: VW012245.D

Acq: 28 Aug 2019 11:22

Instrument :

MSVOA_W

ClientSampled :

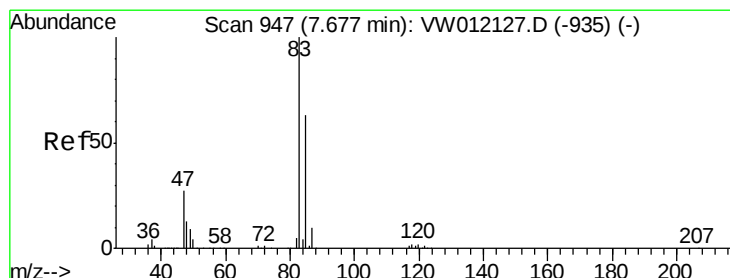
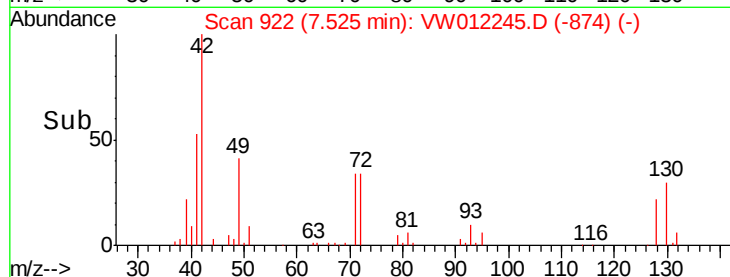
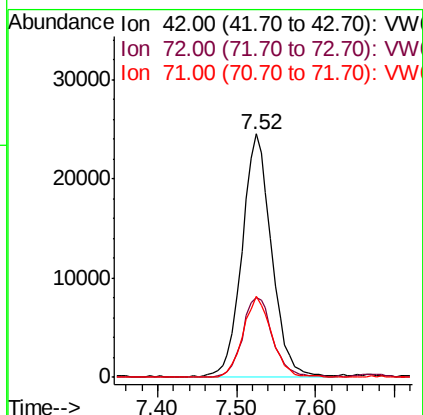
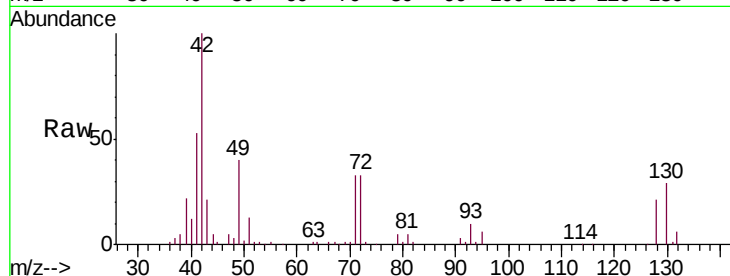
Tot Ion: 42 Resp: 63604

Ion Ratio Lower Upper

42 100

72 34.0 27.3 40.9

71 32.4 25.5 38.3



#30

Chloroform

Concen: 19.108 ug/l

RT: 7.67 min Scan# 946

Delta R.T. -0.01 min

Lab File: VW012245.D

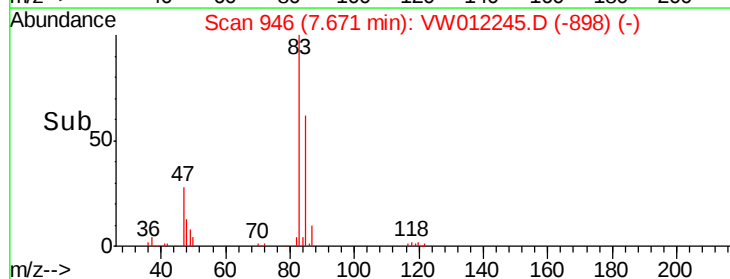
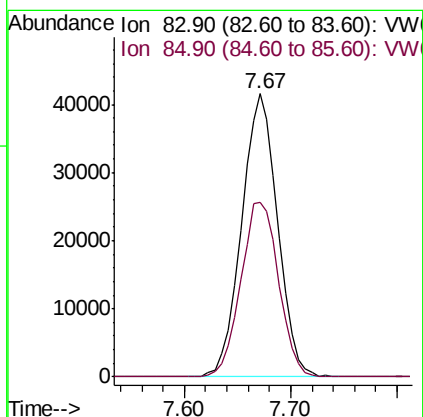
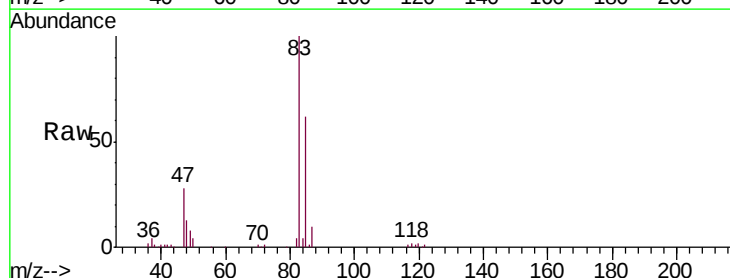
Acq: 28 Aug 2019 11:22

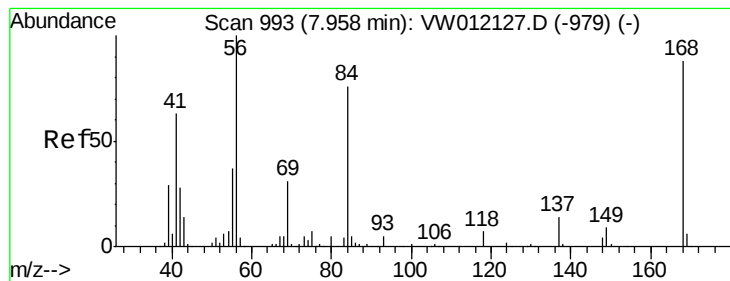
Tgt Ion: 83 Resp: 98488

Ion Ratio Lower Upper

83 100

85 61.9 50.6 76.0





#31

Cyclohexane

Concen: 18.403 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012245.D

Acq: 28 Aug 2019 11:22

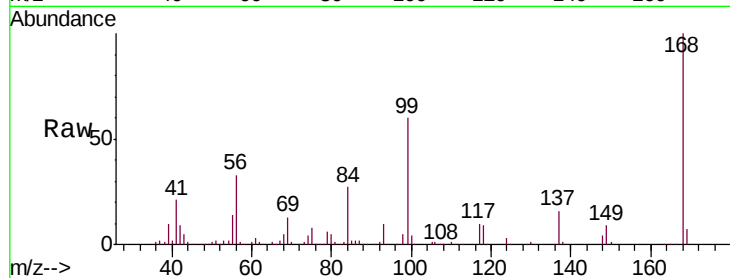
Instrument :

MSVOA_W

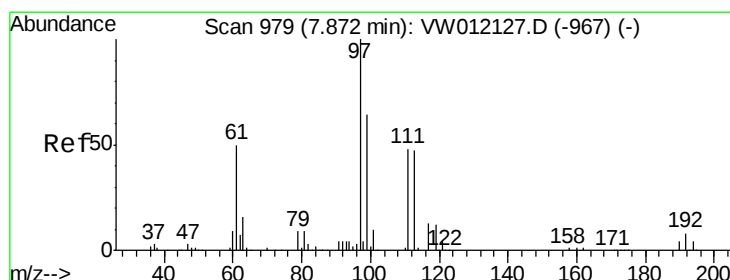
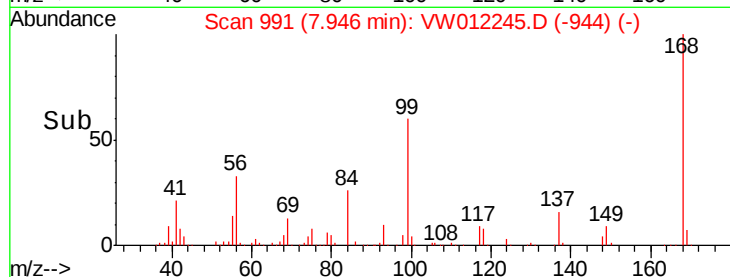
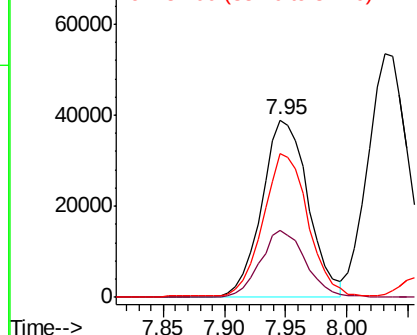
ClientSampleId :

Tot Ion: 56 Resp: 102574

Ion	Ratio	Lower	Upper
56	100		
69	37.9	24.9	37.3#
84	80.4	60.6	90.8



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: 19.216 ug/l

RT: 7.87 min Scan# 978

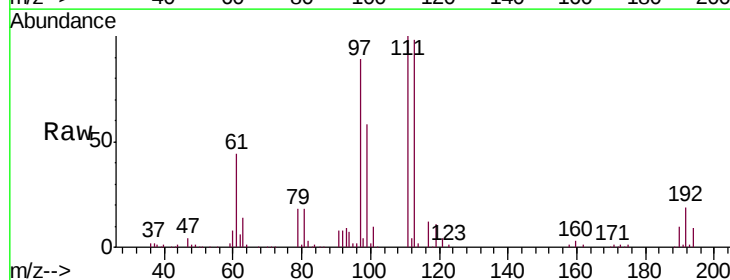
Delta R.T. -0.01 min

Lab File: VW012245.D

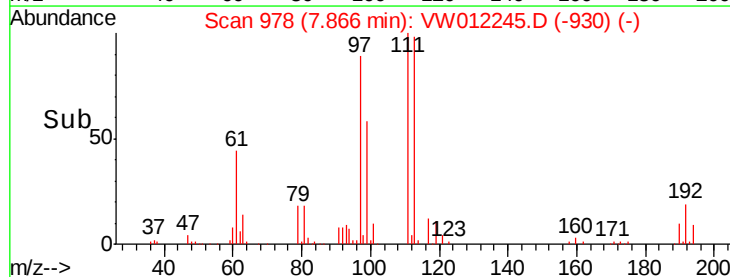
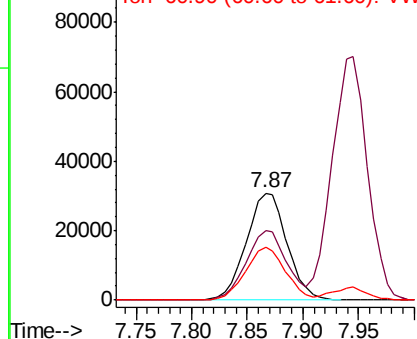
Acq: 28 Aug 2019 11:22

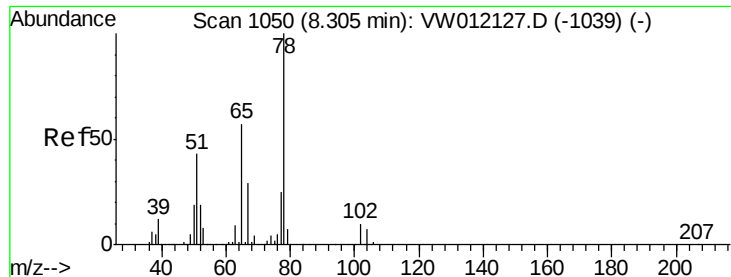
Tgt Ion: 97 Resp: 78351

Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.4	77.0
61	48.5	39.5	59.3



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

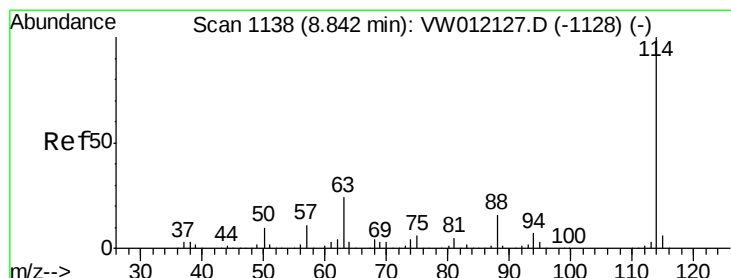
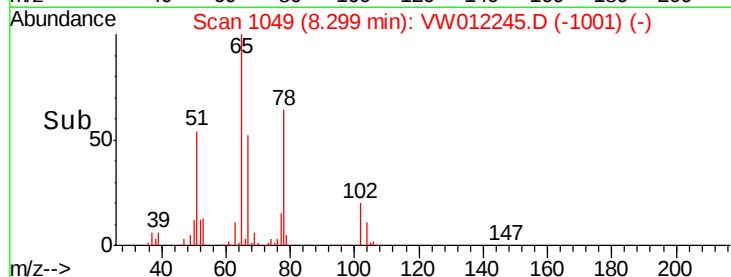
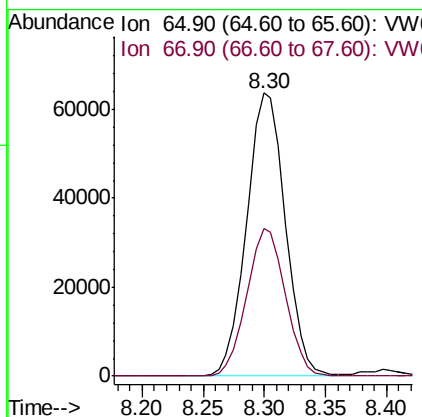
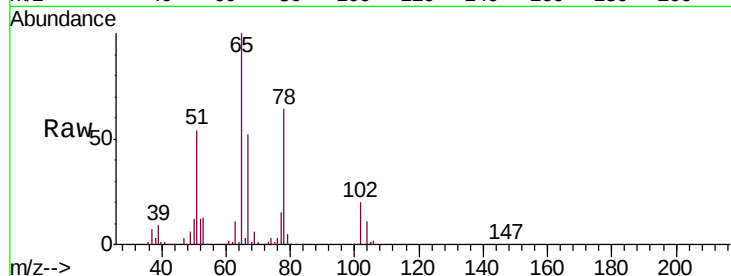




#33
 1,2-Dichloroethane-d4
 Concen: 45.385 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW012245.D
 Acq: 28 Aug 2019 11:22

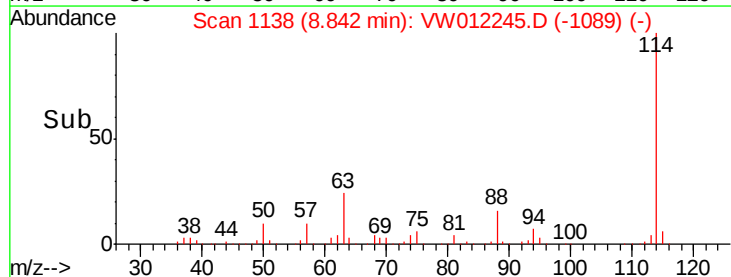
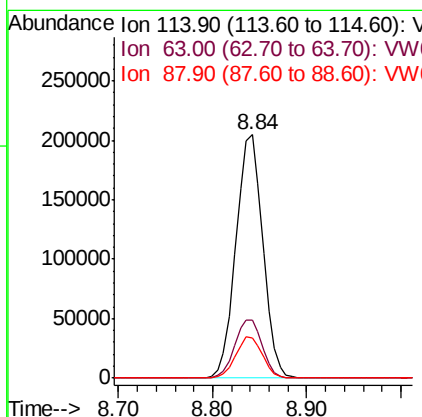
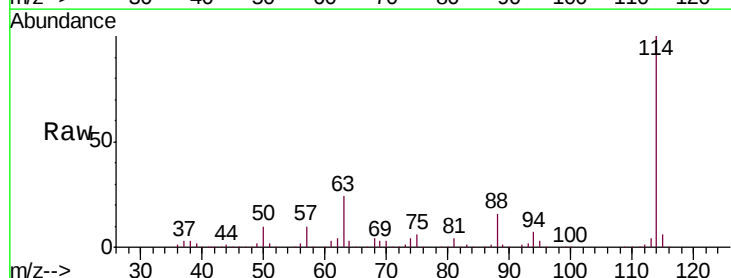
Instrument :
 MSVOA_W
 ClientSampleId :

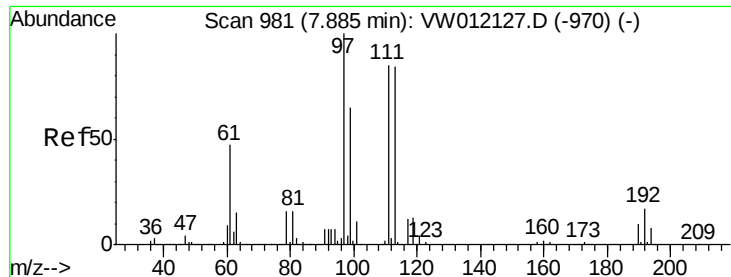
Tot Ion: 65 Resp: 140443
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012245.D
 Acq: 28 Aug 2019 11:22

Tgt Ion: 114 Resp: 407661
 Ion Ratio Lower Upper
 114 100
 63 23.8 0.0 48.6
 88 16.3 0.0 32.2

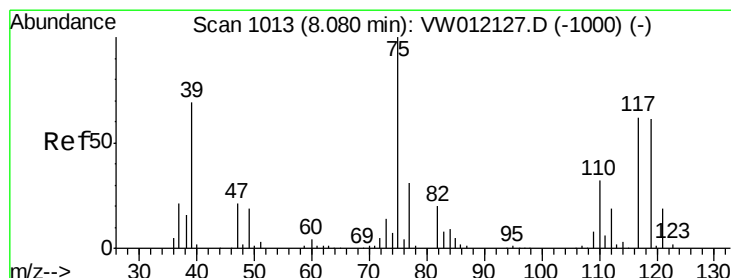
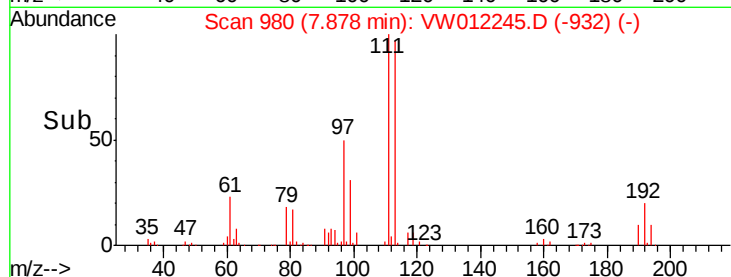
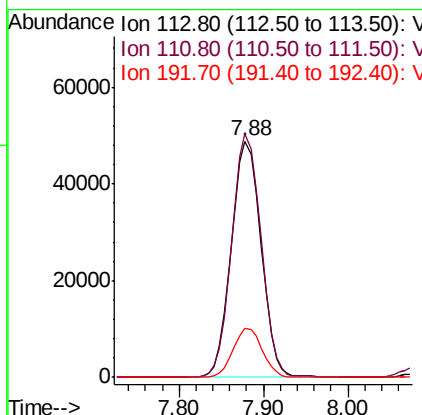
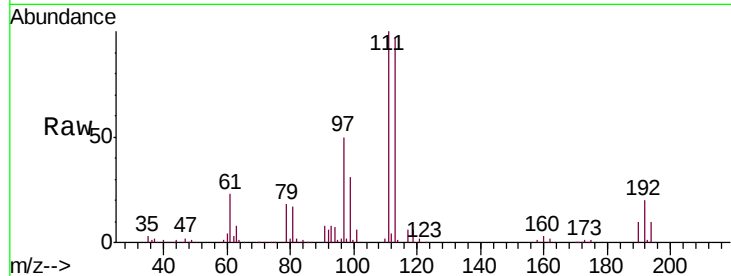




#35
 Dibromofluoromethane
 Concen: 47.971 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012245.D
 Acq: 28 Aug 2019 11:22

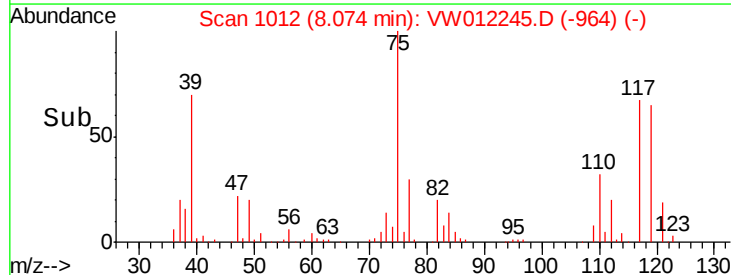
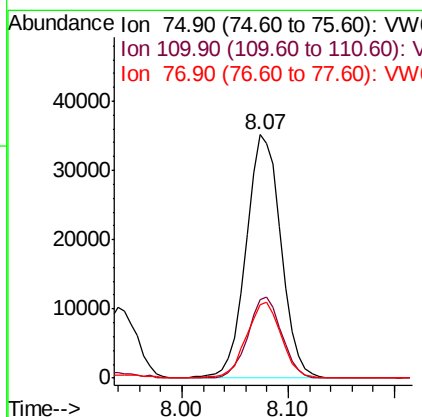
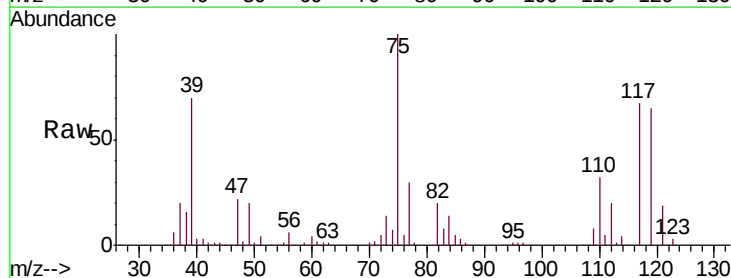
Instrument :
 MSVOA_W
 ClientSampleId :

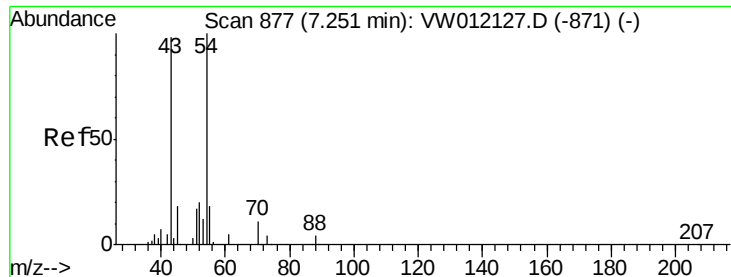
Tot Ion:113 Resp: 116729
 Ion Ratio Lower Upper
 113 100
 111 101.7 82.7 124.1
 192 20.2 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 19.109 ug/l
 RT: 8.07 min Scan# 1012
 Delta R.T. -0.01 min
 Lab File: VW012245.D
 Acq: 28 Aug 2019 11:22

Tgt Ion: 75 Resp: 80499
 Ion Ratio Lower Upper
 75 100
 110 32.5 15.6 46.8
 77 31.7 24.6 36.8

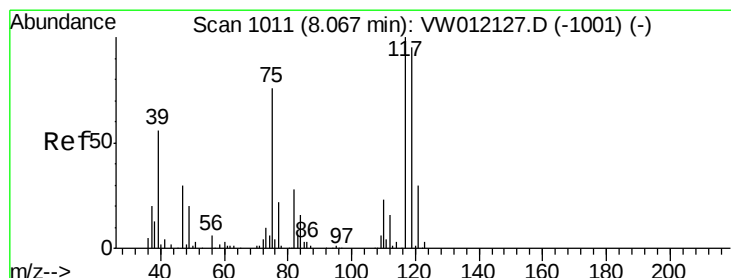
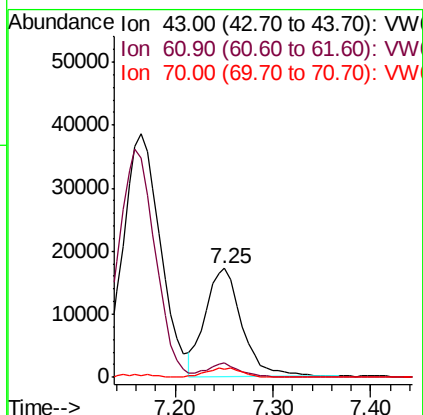
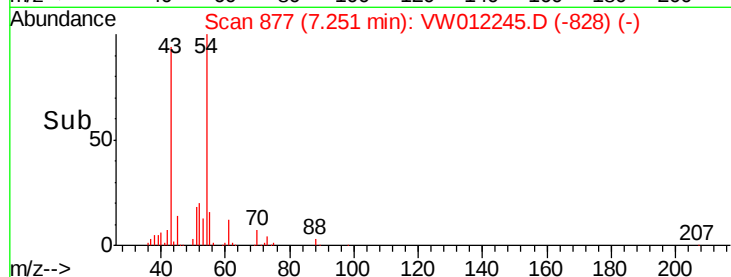
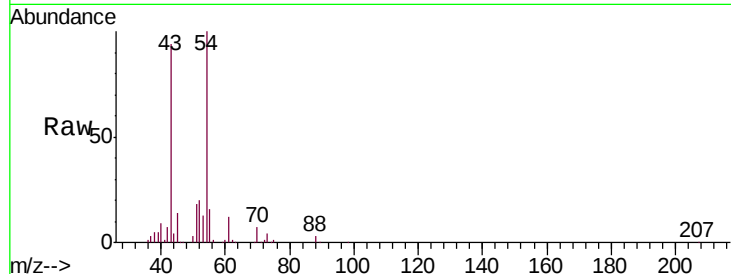




#37
Ethyl Acetate
Concen: 19.248 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW012245.D
Acq: 28 Aug 2019 11:22

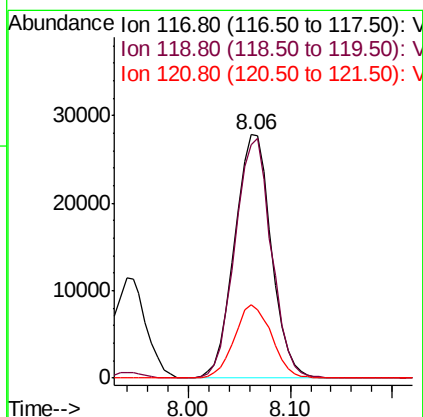
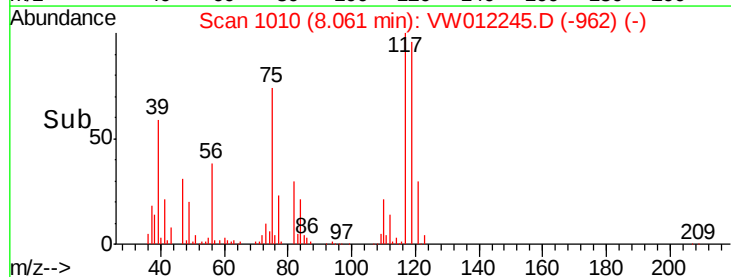
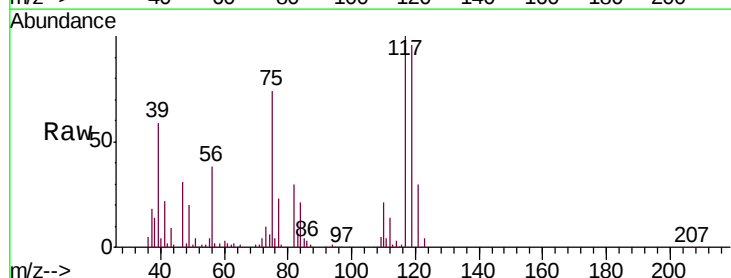
Instrument :
MSVOA_W
ClientSampled :

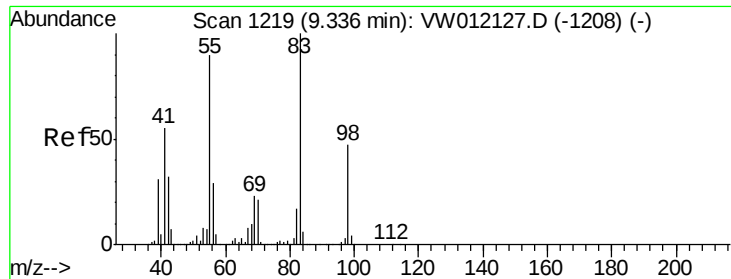
Tot Ion	43	Resp	44435
Ion Ratio	Lower	Upper	
43	100		
61	11.6	9.2	13.8
70	8.7	6.9	10.3



#38
Carbon Tetrachloride
Concen: 19.052 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW012245.D
Acq: 28 Aug 2019 11:22

Tgt Ion	117	Resp	69466
Ion Ratio	Lower	Upper	
117	100		
119	95.9	76.2	114.2
121	30.4	23.8	35.8

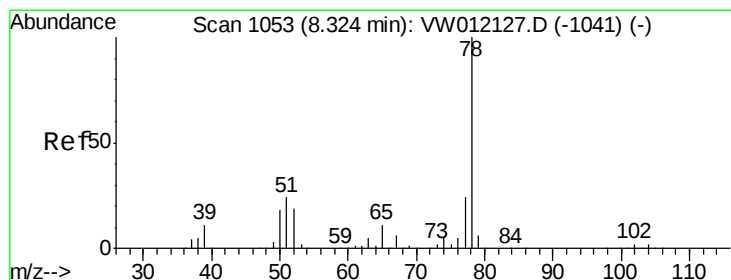
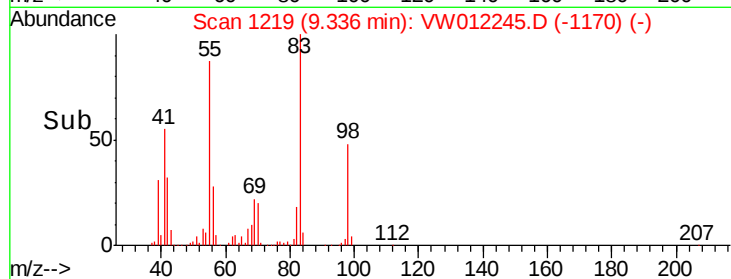
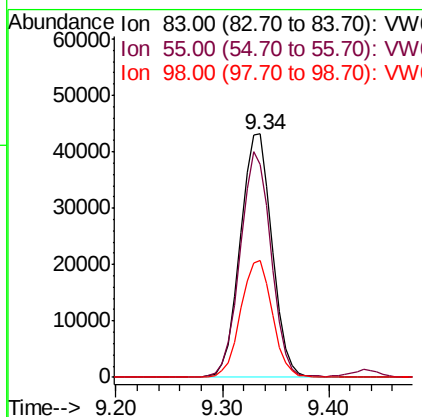
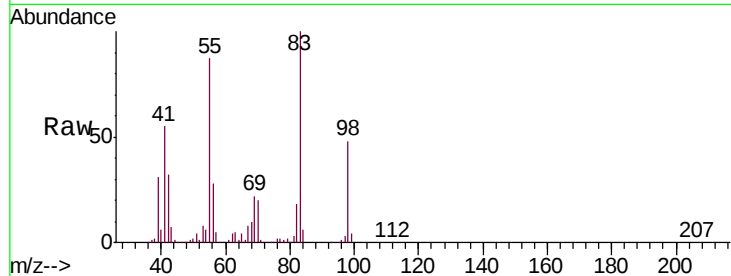




#39
Methvlcvclohexane
Concen: 19.201 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW012245.D
Acq: 28 Aug 2019 11:22

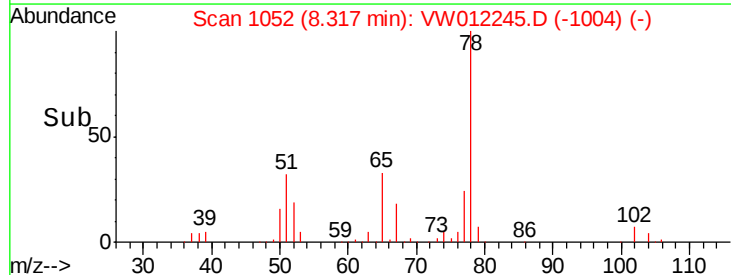
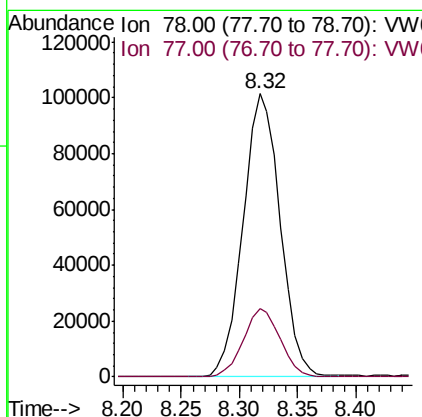
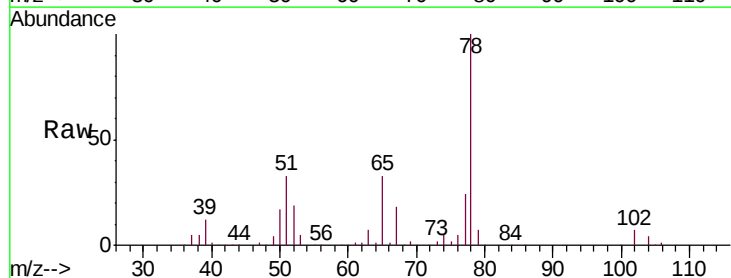
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 83 Resp: 90872
Ion Ratio Lower Upper
83 100
55 87.4 71.8 107.8
98 47.9 37.8 56.8



#40
Benzene
Concen: 19.590 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW012245.D
Acq: 28 Aug 2019 11:22

Tgt Ion: 78 Resp: 225347
Ion Ratio Lower Upper
78 100
77 24.2 19.5 29.3

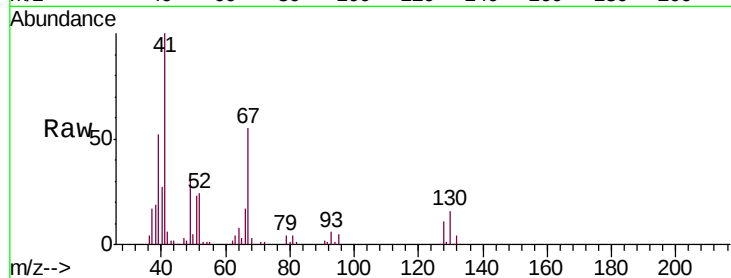




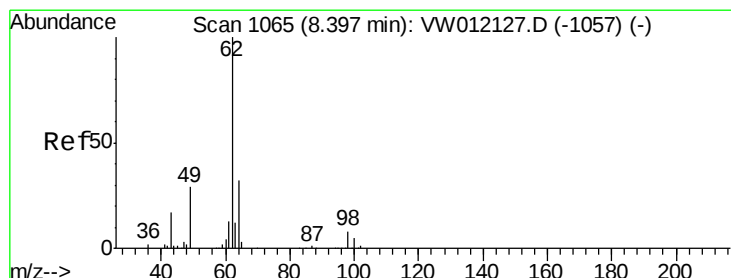
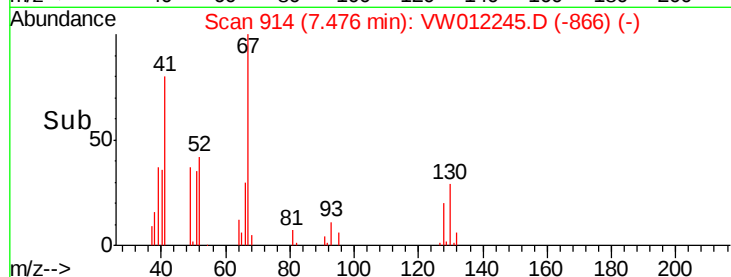
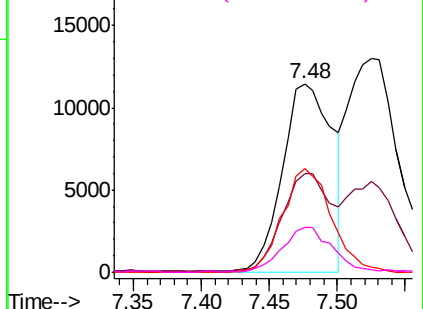
#41
Methacrylonitrile
Concen: 21.575 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW012245.D
Acq: 28 Aug 2019 11:22

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:	41	Resp:	29272
Ion	Ratio	Lower	Upper
41	100		
39	51.9	45.8	68.8
67	53.8	46.2	69.4
52	24.3	21.0	31.6

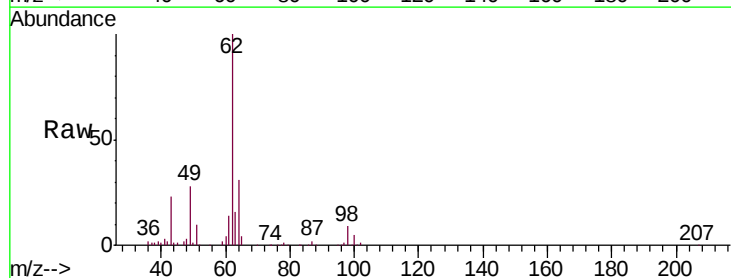


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

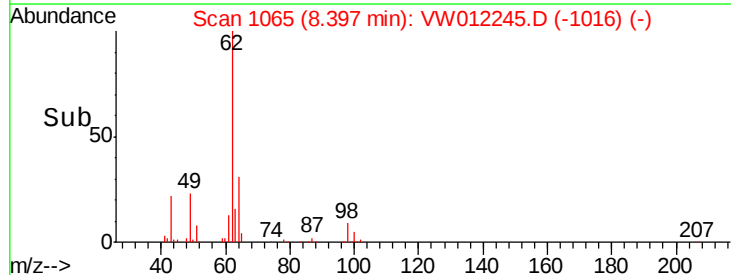
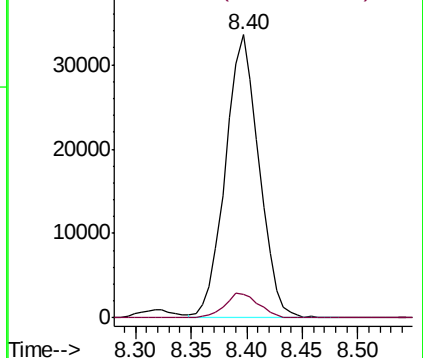


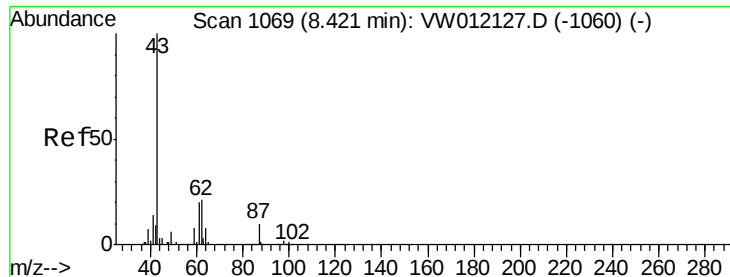
#42
1,2-Dichloroethane
Concen: 19.456 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW012245.D
Acq: 28 Aug 2019 11:22

Tgt Ion:	62	Resp:	70143
Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	16.6



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW



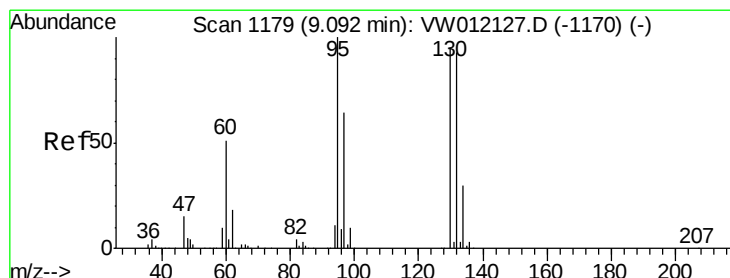
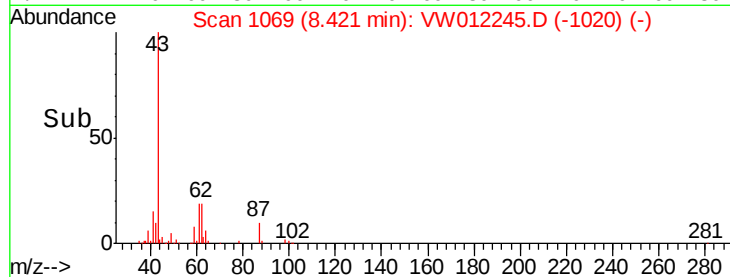
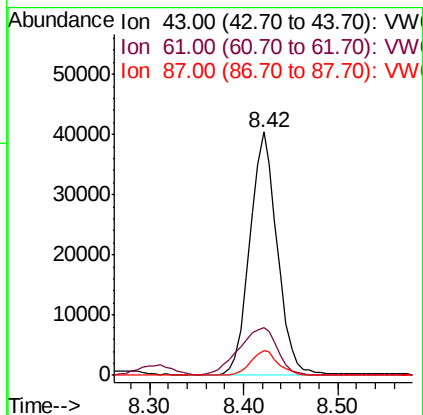
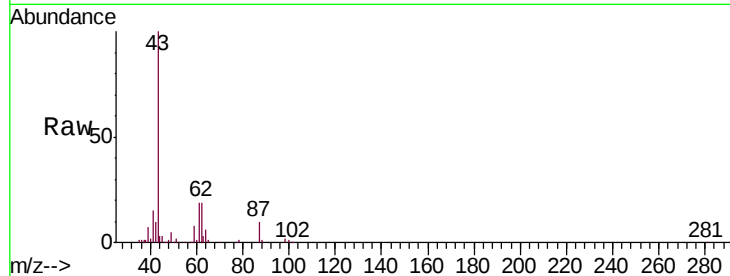


#43

Isopropyl Acetate
 Concen: 19.288 ug/l
 RT: 8.42 min Scan# 1069
 Delta R.T. 0.00 min
 Lab File: VW012245.D
 Acq: 28 Aug 2019 11:22

Instrument :
 MSVOA_W
 ClientSampled :

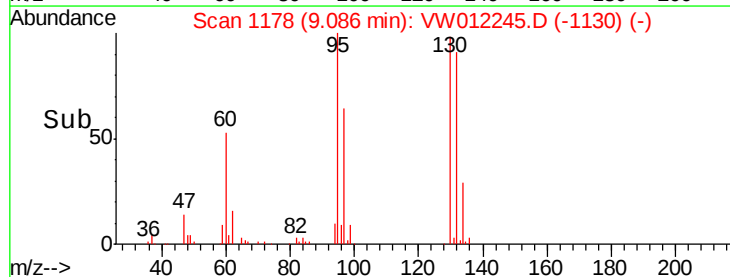
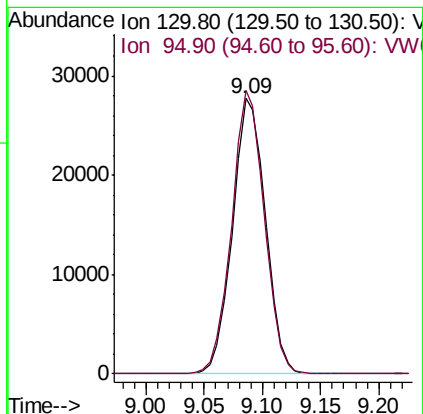
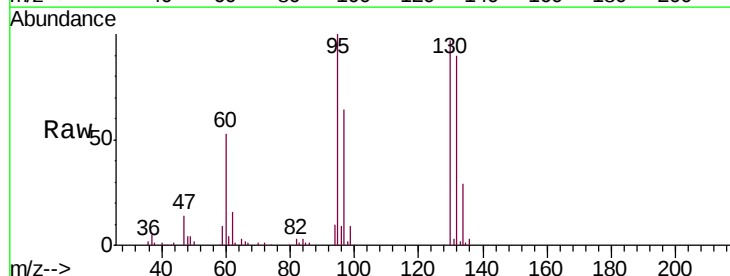
Tot Ion: 43 Resp: 82475
 Ion Ratio Lower Upper
 43 100
 61 27.8 21.1 31.7
 87 10.3 8.2 12.2

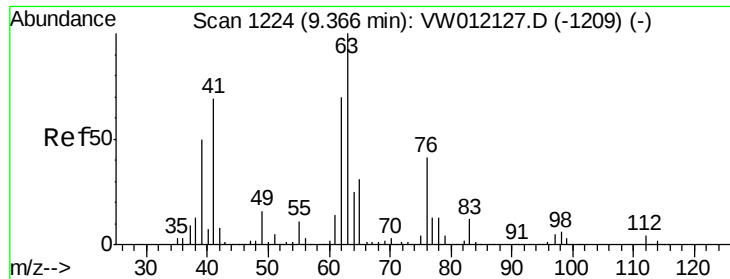


#44

Trichloroethene
 Concen: 19.584 ug/l
 RT: 9.09 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: VW012245.D
 Acq: 28 Aug 2019 11:22

Tgt Ion: 130 Resp: 54765
 Ion Ratio Lower Upper
 130 100
 95 102.7 0.0 210.6





#45

1,2-Dichloropropane

Concen: 19.598 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW012245.D

Acq: 28 Aug 2019 11:22

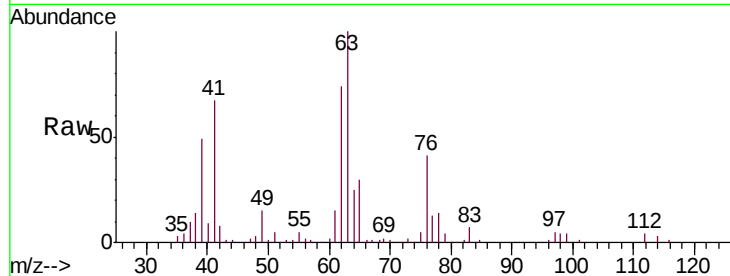
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 63 Resp: 60672

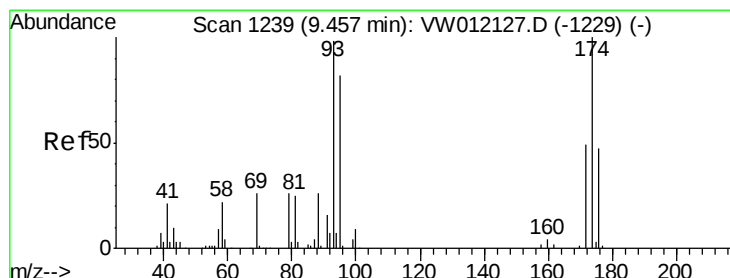
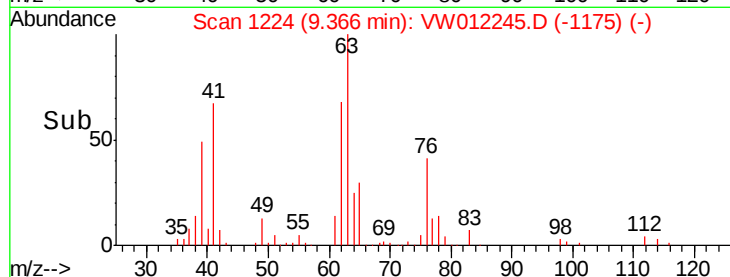
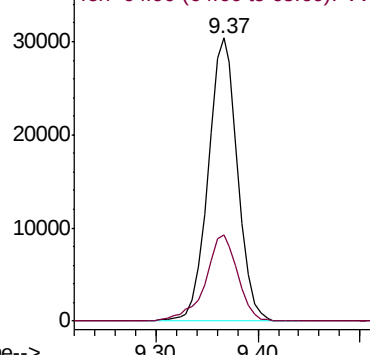
Ion Ratio Lower Upper

63 100

65 30.3 25.0 37.4



Abundance Ion 62.90 (62.60 to 63.60): VW
Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 19.093 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW012245.D

Acq: 28 Aug 2019 11:22

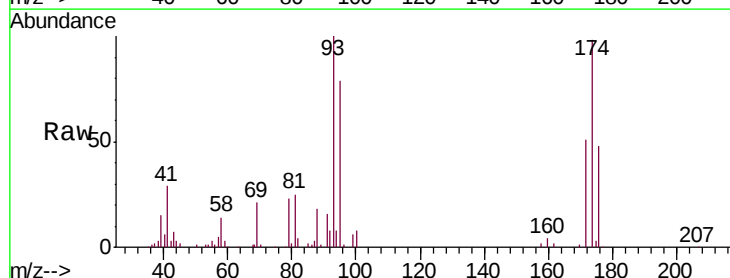
Tgt Ion: 93 Resp: 26299

Ion Ratio Lower Upper

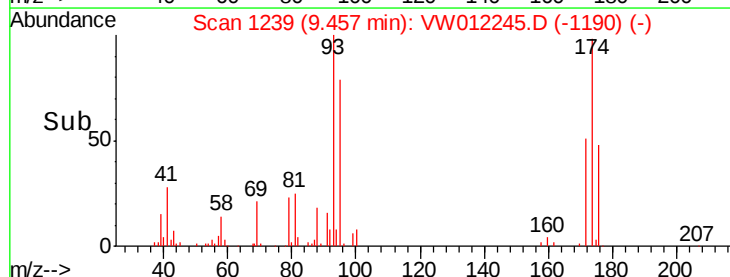
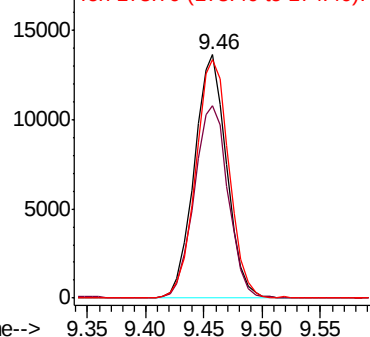
93 100

95 83.0 67.2 100.8

174 100.8 79.0 118.6



Abundance Ion 92.80 (92.50 to 93.50): VW
Ion 94.80 (94.50 to 95.50): VW
Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 18.926 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW012245.D

Acq: 28 Aug 2019 11:22

Instrument :

MSVOA_W

ClientSampleId :

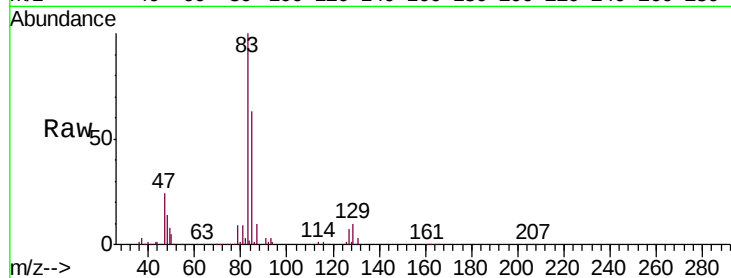
Tot Ion: 83 Resp: 69382

Ion Ratio Lower Upper

83 100

85 63.5 49.4 74.2

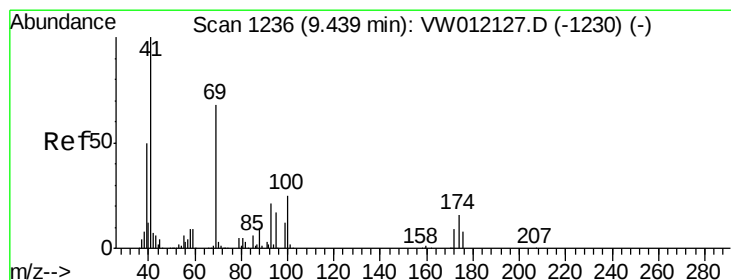
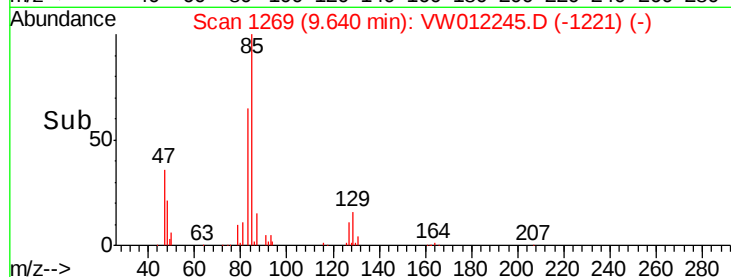
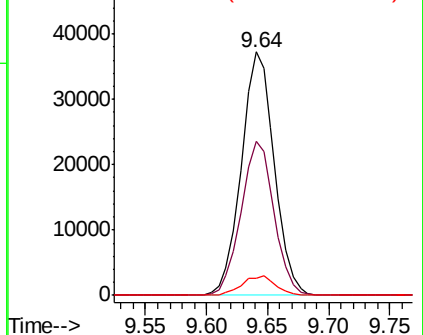
127 7.0 6.1 9.1



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): V



#48

Methyl methacrylate

Concen: 19.222 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VW012245.D

Acq: 28 Aug 2019 11:22

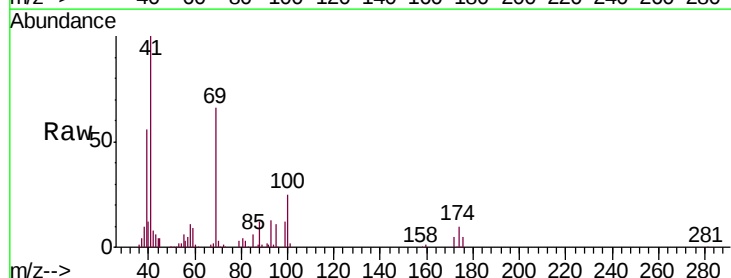
Tgt Ion: 41 Resp: 39120

Ion Ratio Lower Upper

41 100

69 73.2 56.7 85.1

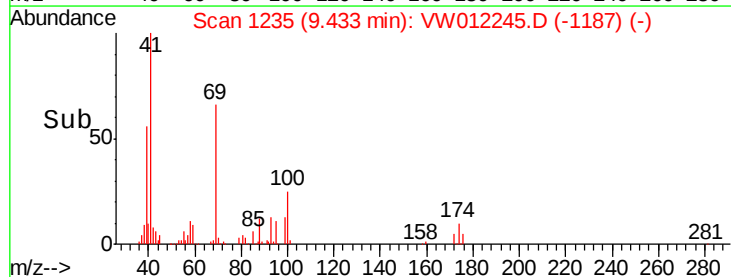
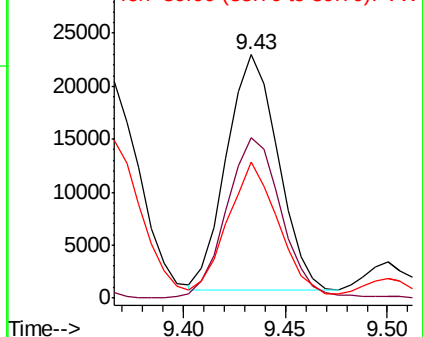
39 57.4 42.0 63.0

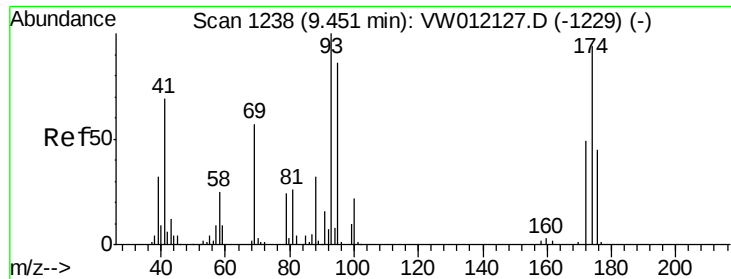


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

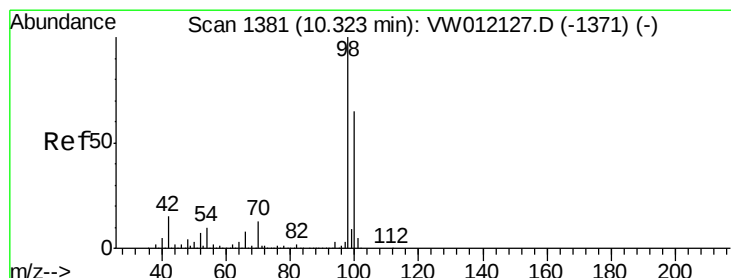
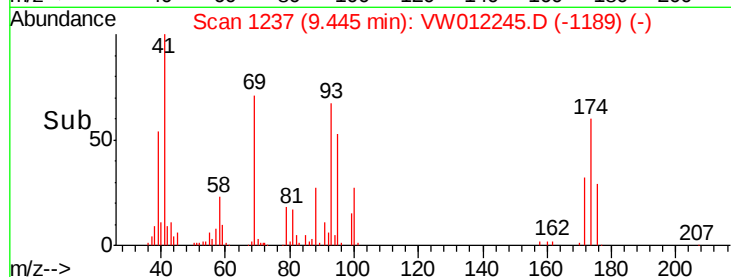
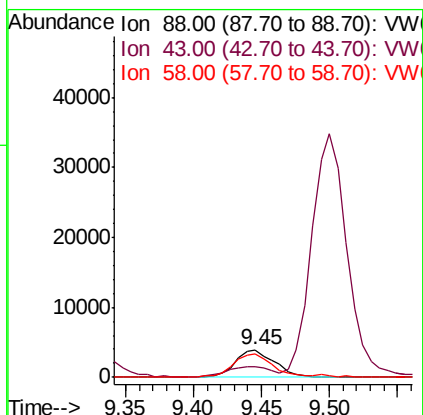
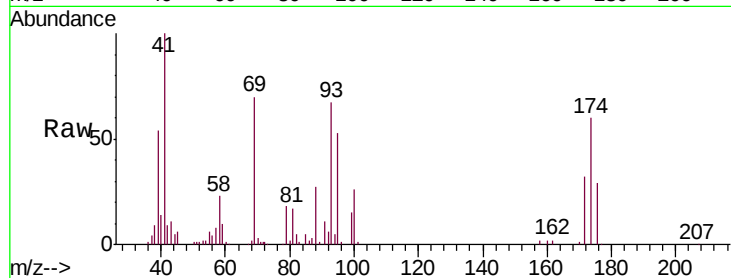




#49
1,4-Dioxane
Concen: 383.225 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VW012245.D
Acq: 28 Aug 2019 11:22

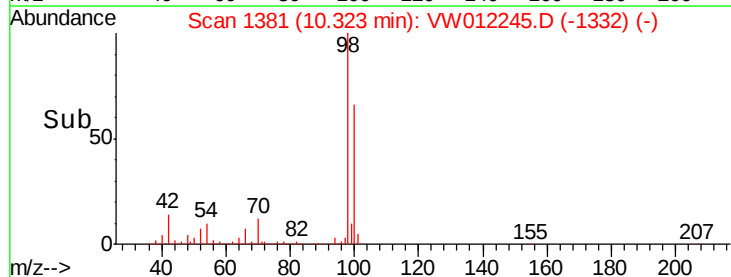
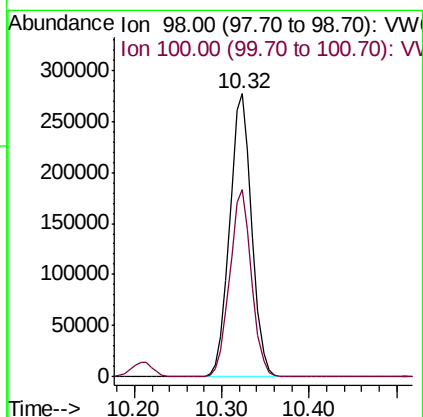
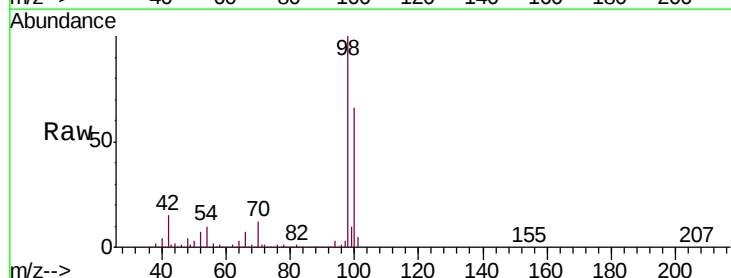
Instrument :
MSVOA_W
ClientSampleId :

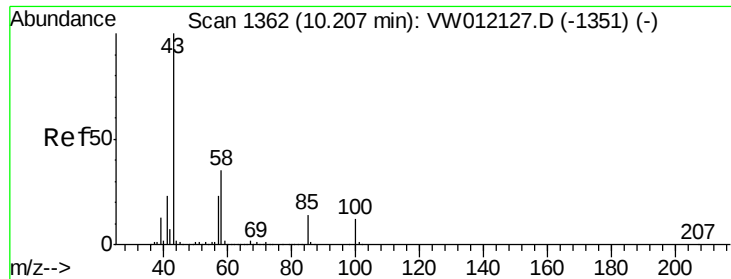
Tot Ion: 88 Resp: 8081
Ion Ratio Lower Upper
88 100
43 45.5 32.9 49.3
58 84.8 71.0 106.4



#50
Toluene-d8
Concen: 49.006 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW012245.D
Acq: 28 Aug 2019 11:22

Tgt Ion: 98 Resp: 483517
Ion Ratio Lower Upper
98 100
100 65.6 52.4 78.6

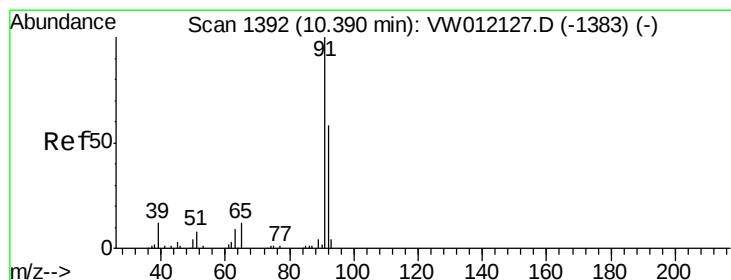
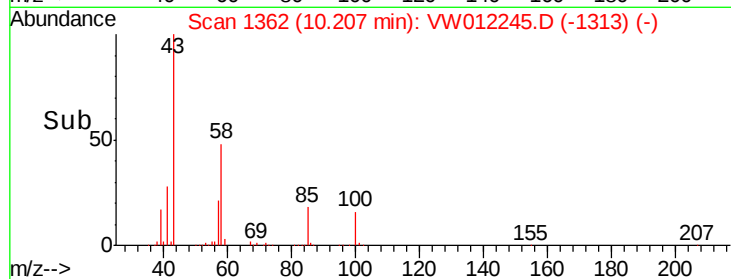
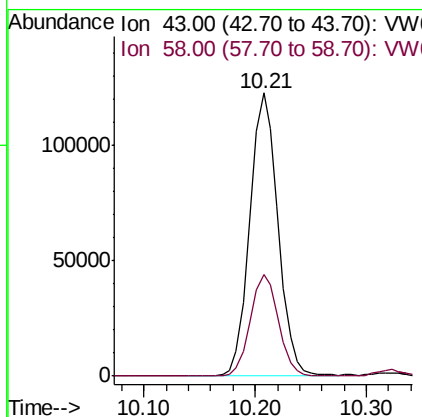
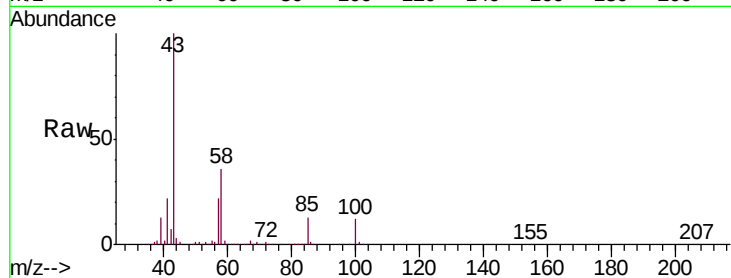




#51
4-Methyl-2-Pentanone
Concen: 99.311 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VW012245.D
Acq: 28 Aug 2019 11:22

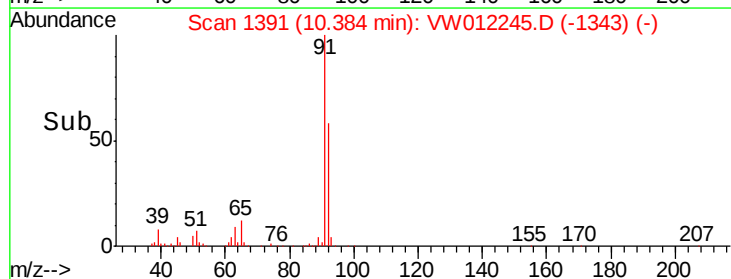
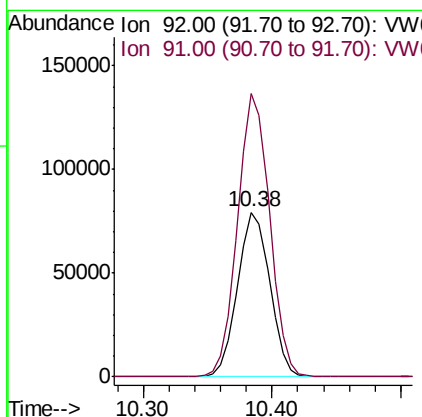
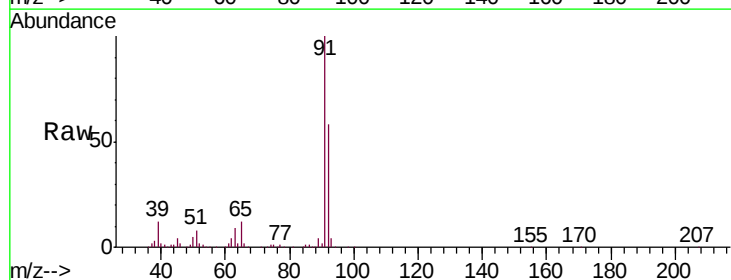
Instrument :
MSVOA_W
ClientSampled :

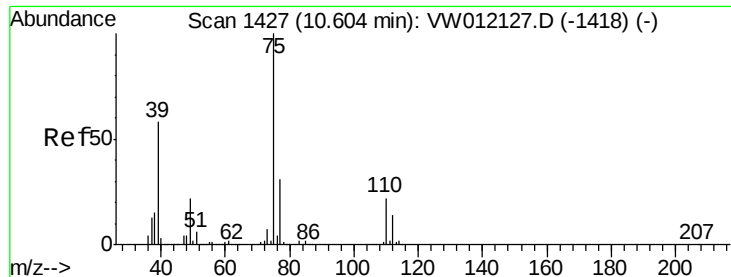
Tot Ion: 43 Resp: 215995
Ion Ratio Lower Upper
43 100
58 35.7 28.2 42.2



#52
Toluene
Concen: 19.942 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.01 min
Lab File: VW012245.D
Acq: 28 Aug 2019 11:22

Tgt Ion: 92 Resp: 137806
Ion Ratio Lower Upper
92 100
91 171.4 136.6 204.8





#53

t-1,3-Dichloropropene

Concen: 19.468 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW012245.D

Acq: 28 Aug 2019 11:22

Instrument :

MSVOA_W

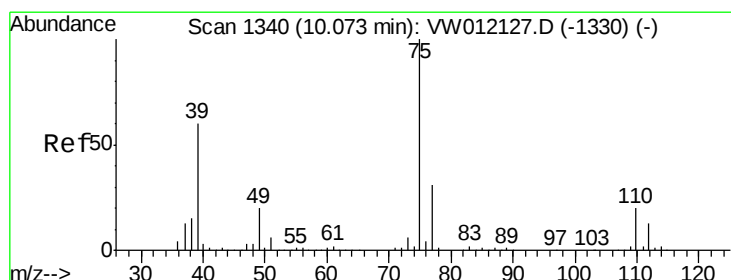
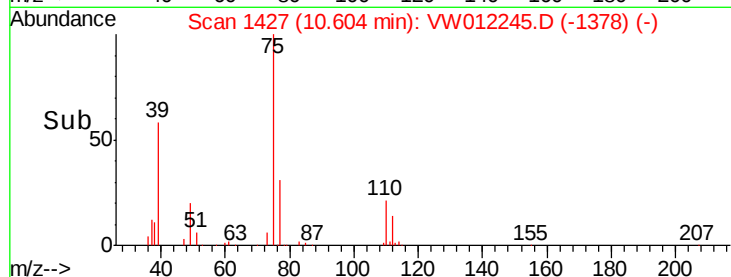
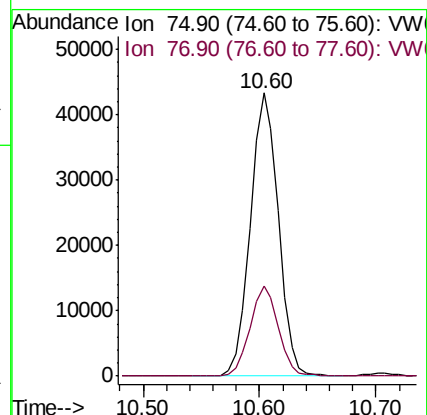
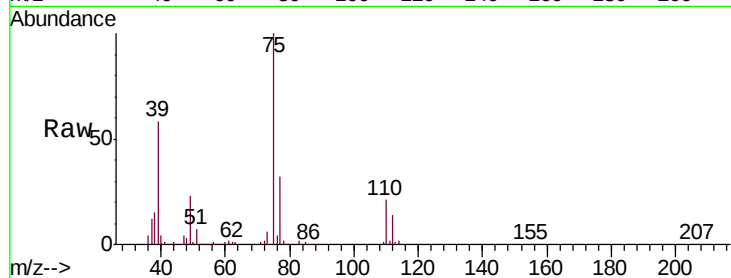
ClientSampleId :

Tot Ion: 75 Resp: 72698

Ion Ratio Lower Upper

75 100

77 31.6 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 19.280 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW012245.D

Acq: 28 Aug 2019 11:22

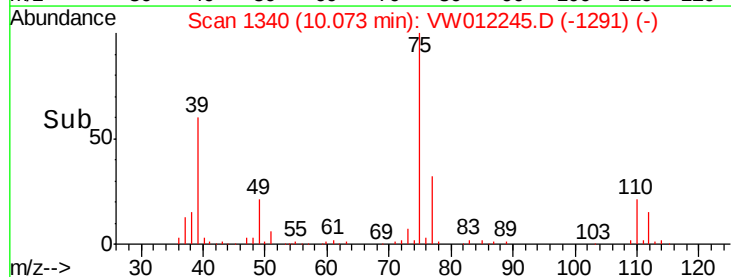
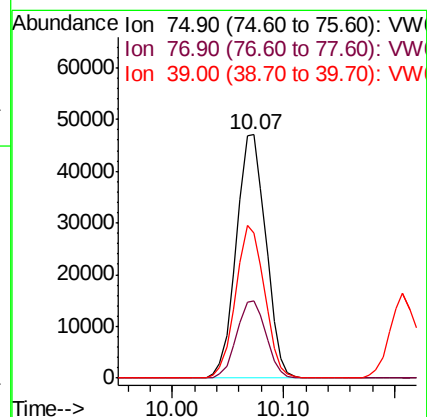
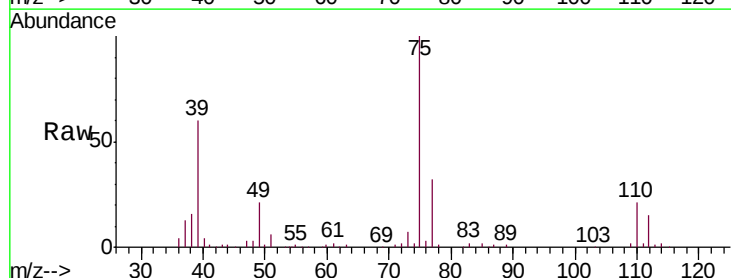
Tgt Ion: 75 Resp: 86929

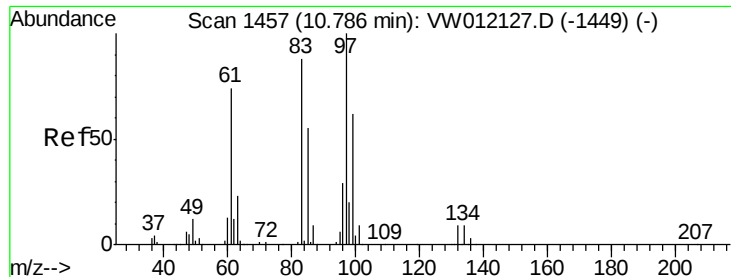
Ion Ratio Lower Upper

75 100

77 31.7 25.1 37.7

39 59.5 48.3 72.5





#55

1,1,2-Trichloroethane

Concen: 20.381 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW012245.D

Acq: 28 Aug 2019 11:22

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 39719

Ion	Ratio	Lower	Upper
97	100		
83	89.0	70.8	106.2
85	55.0	43.8	65.8
99	65.7	49.8	74.6

Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW

Time-->

10.79

20000

10000

0

10.70 10.75 10.80 10.85

10.70 10.75 10.80 10.85

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10.70 10.75 10.80 10.85

10.70 10.75 10.80 10.85

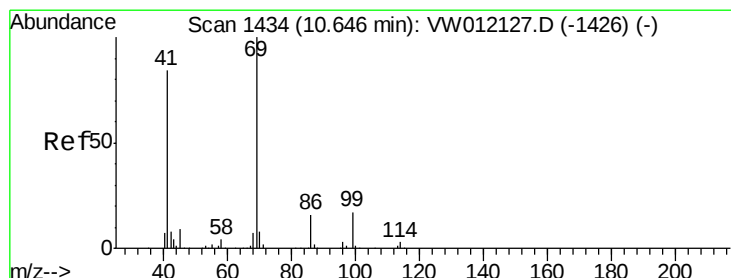
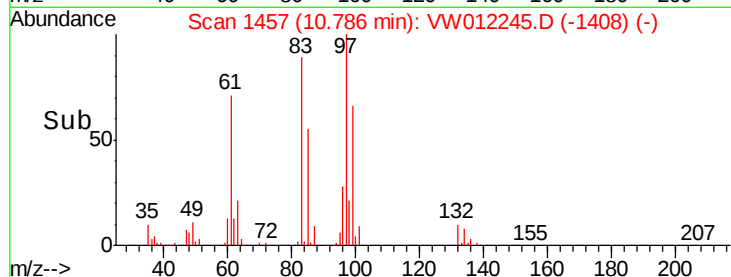
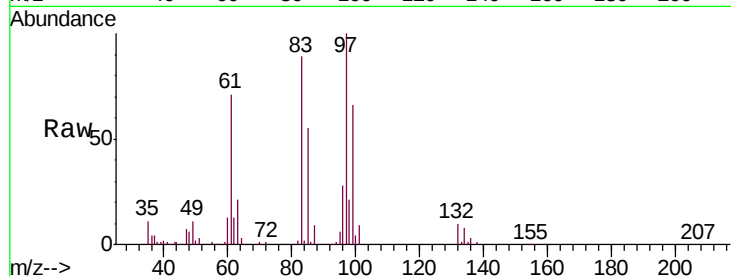
10.70 10.75 10.80 10.85

10.70 10.75 10.80 10.85

10.70 10.75 10.80 10.85

10.70 10.75 10.80 10.85

10.70 10.75 10.80 10.85



#56

Ethyl methacrylate

Concen: 19.967 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW012245.D

Acq: 28 Aug 2019 11:22

Tgt Ion: 69 Resp: 56634

Ion	Ratio	Lower	Upper
69	100		
41	82.3	66.5	99.7
39	36.5	31.0	46.4

Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Time-->

10.65

40000

30000

20000

10000

0

10.50 10.60 10.70

10.50 10.60 10.70

10.50 10.60 10.70

10.50 10.60 10.70

10.50 10.60 10.70

10.50 10.60 10.70

10.50 10.60 10.70

10.50 10.60 10.70

10.50 10.60 10.70

10.50 10.60 10.70

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10.50 10.60 10.70

10.50 10.60 10.70

10.50 10.60 10.70

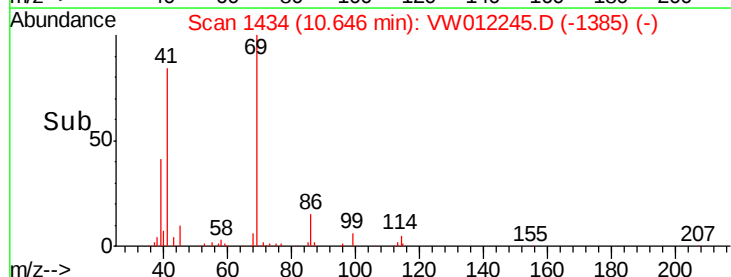
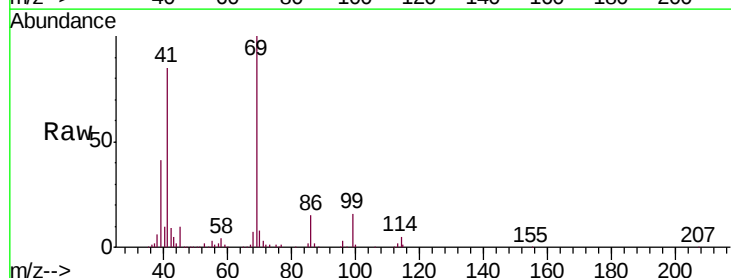
10.50 10.60 10.70

10.50 10.60 10.70

10.50 10.60 10.70

10.50 10.60 10.70

10.50 10.60 10.70

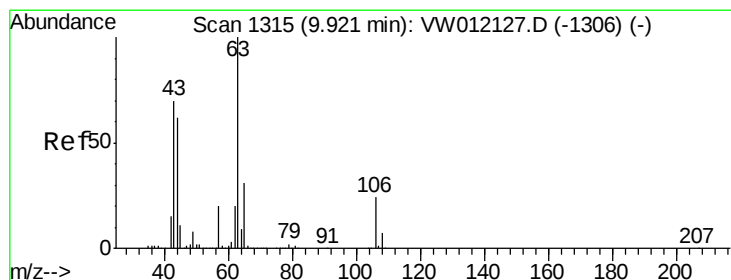
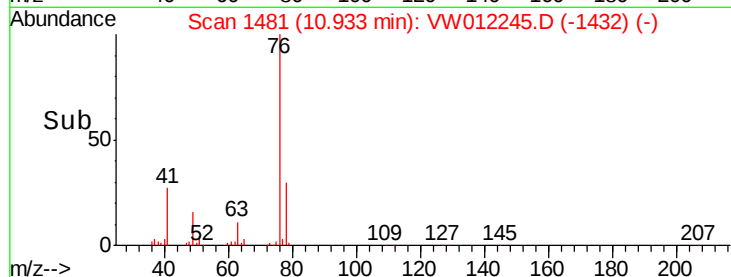
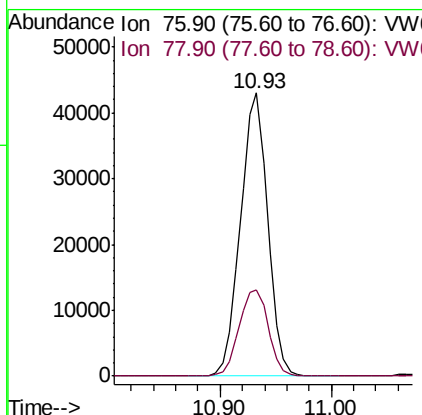
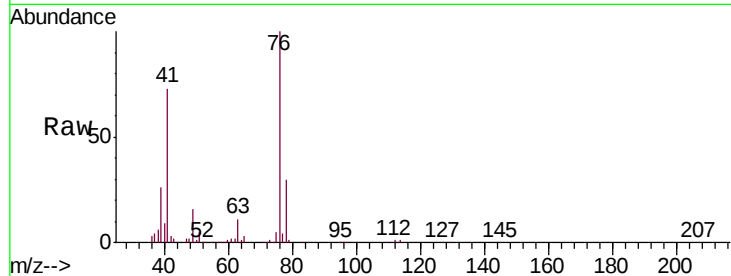




#57
 1,3-Dichloropropane
 Concen: 19.835 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW012245.D
 Acq: 28 Aug 2019 11:22

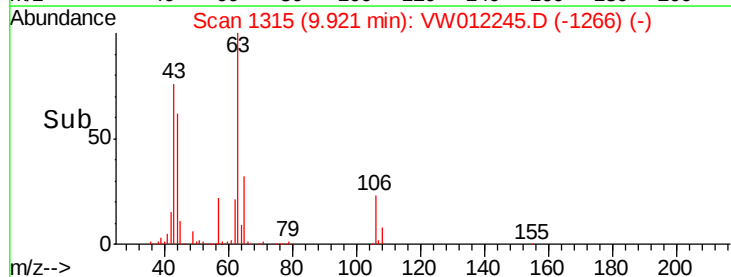
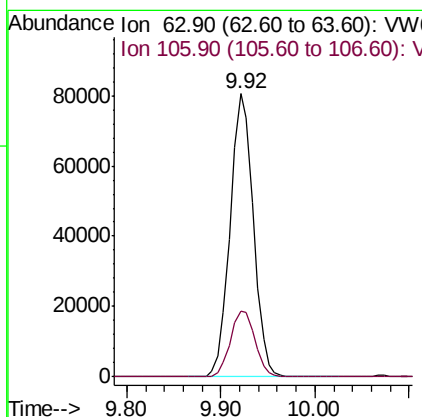
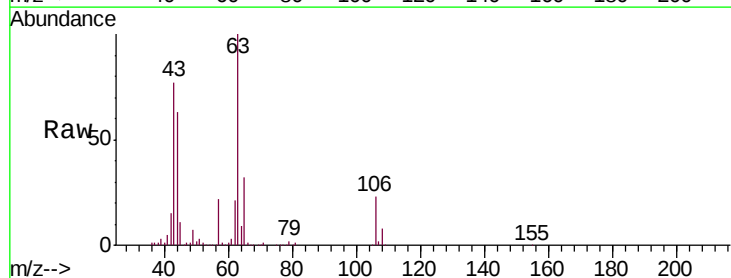
Instrument :
 MSVOA_W
 ClientSampleId :

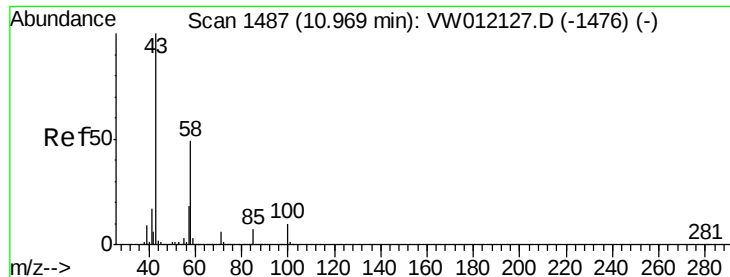
Tot Ion: 76 Resp: 73050
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 94.546 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW012245.D
 Acq: 28 Aug 2019 11:22

Tgt Ion: 63 Resp: 137632
 Ion Ratio Lower Upper
 63 100
 106 24.7 19.8 29.8

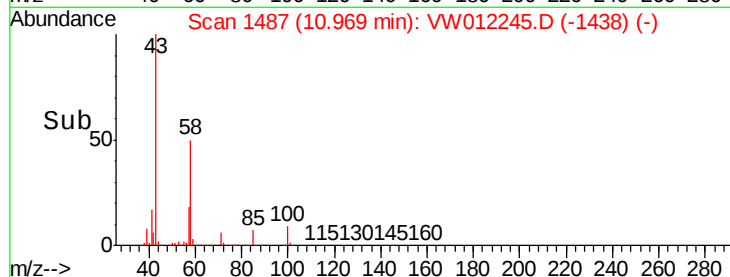
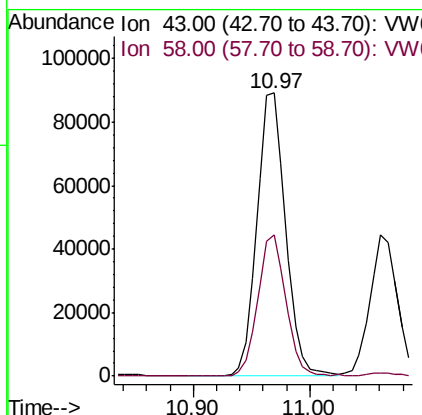
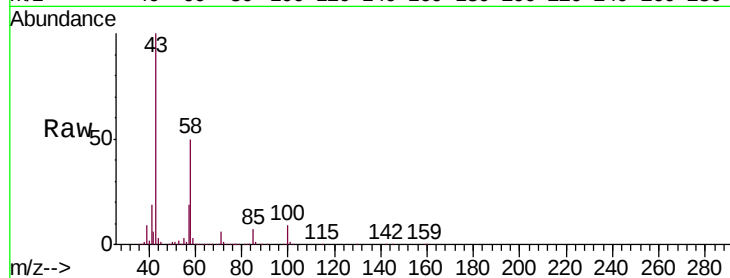




#59
2-Hexanone
Concen: 99.186 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012245.D
Acq: 28 Aug 2019 11:22

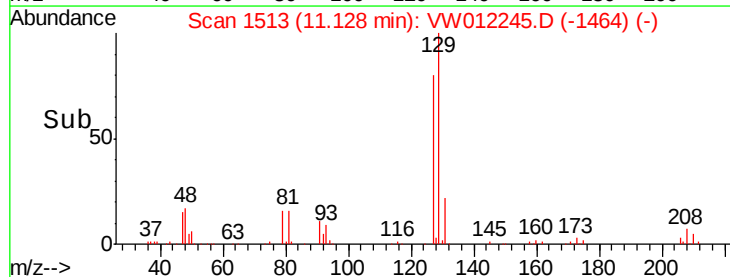
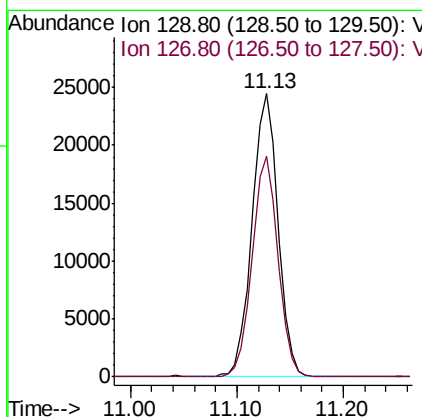
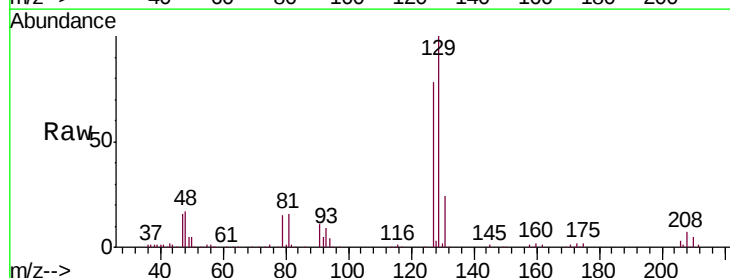
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 152638
Ion Ratio Lower Upper
43 100
58 49.0 24.3 72.9



#60
Dibromochloromethane
Concen: 19.395 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW012245.D
Acq: 28 Aug 2019 11:22

Tgt Ion: 129 Resp: 42100
Ion Ratio Lower Upper
129 100
127 77.1 38.6 115.8

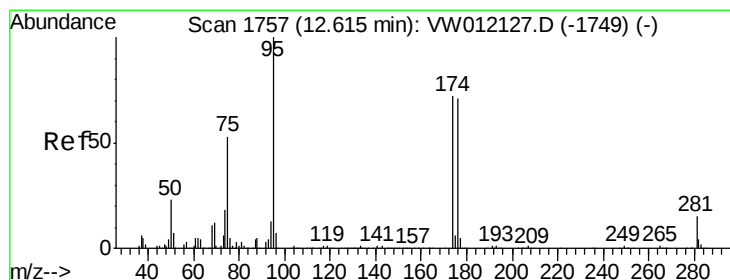
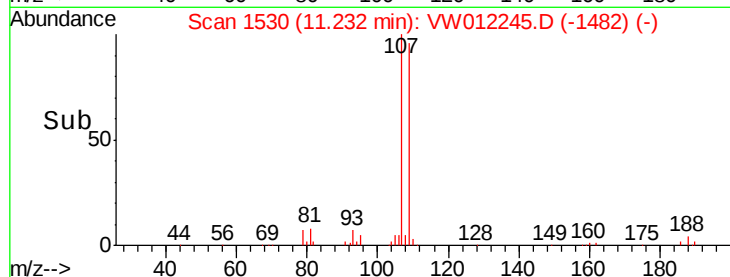
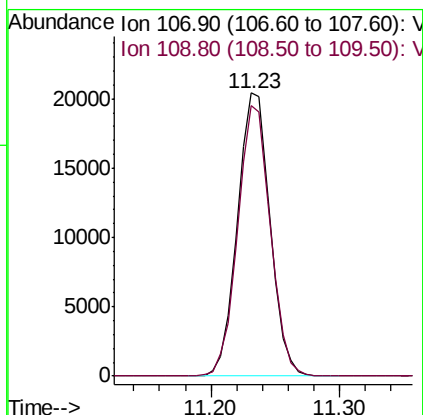
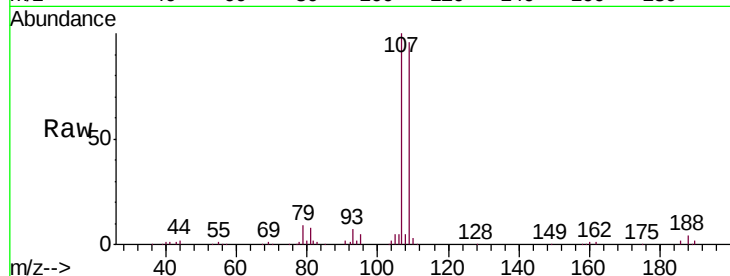




#61
 1,2-Dibromoethane
 Concen: 19.687 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW012245.D
 Acq: 28 Aug 2019 11:22

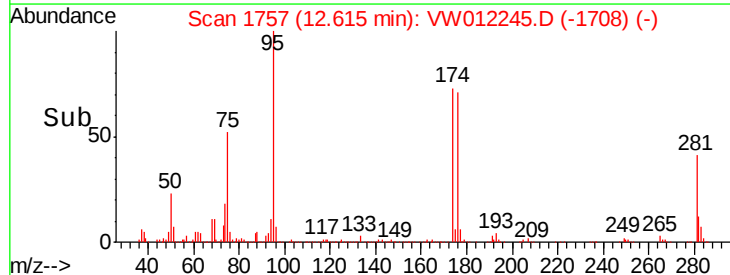
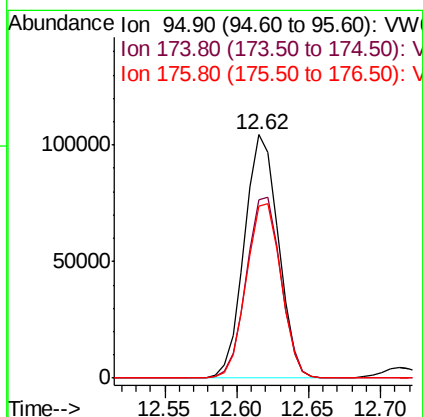
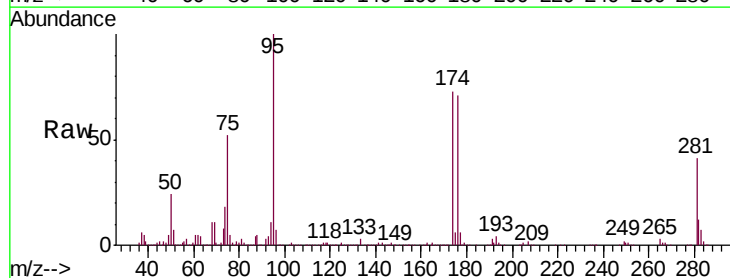
Instrument :
 MSVOA_W
 ClientSampleId :

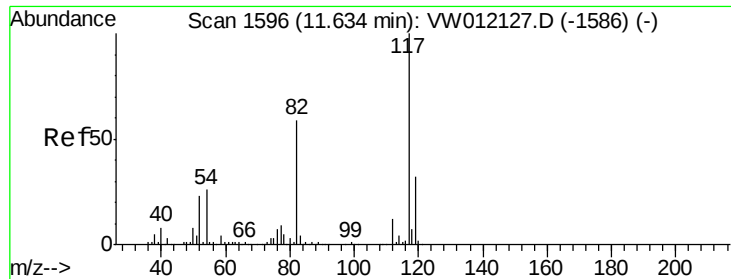
Tot Ion: 107 Resp: 35745
 Ion Ratio Lower Upper
 107 100
 109 95.5 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 48.918 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW012245.D
 Acq: 28 Aug 2019 11:22

Tgt Ion: 95 Resp: 170132
 Ion Ratio Lower Upper
 95 100
 174 75.8 0.0 150.8
 176 73.5 0.0 148.6

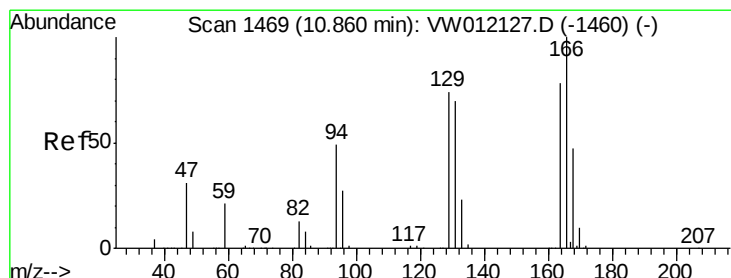
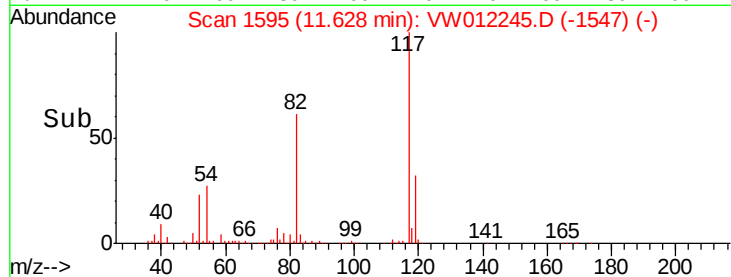
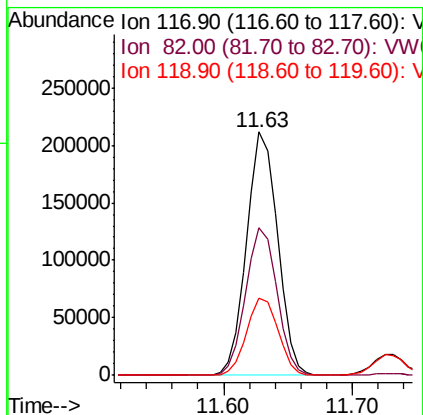
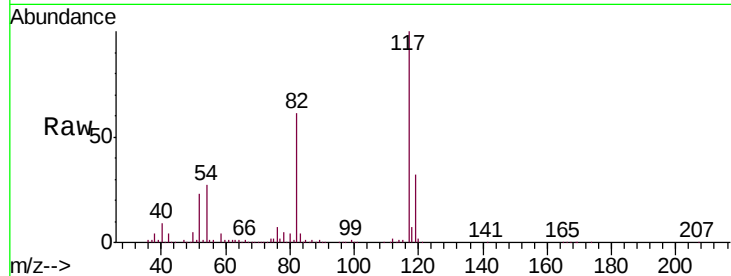




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012245.D
Acq: 28 Aug 2019 11:22

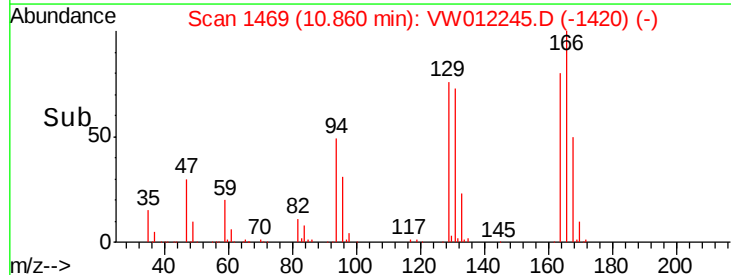
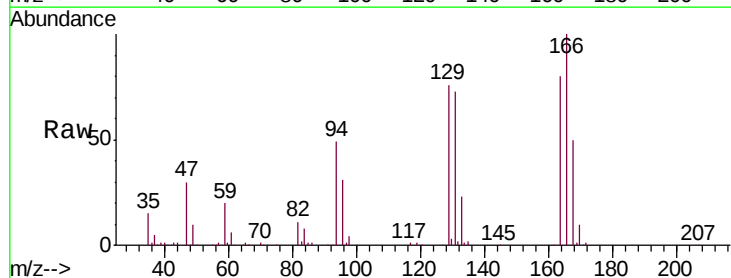
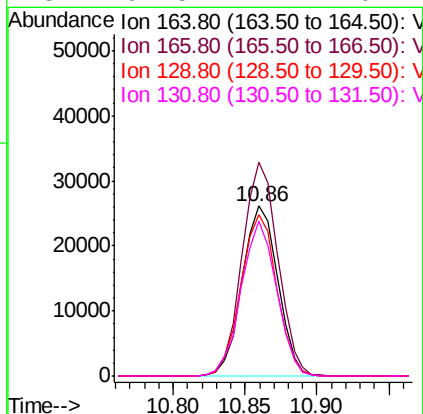
Instrument :
MSVOA_W
ClientSampled :

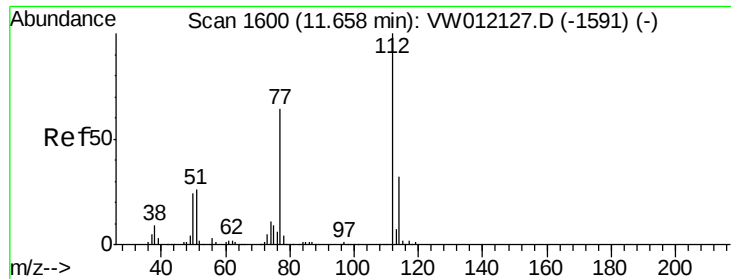
Tot Ion:117 Resp: 352345
Ion Ratio Lower Upper
117 100
82 60.5 47.4 71.2
119 31.6 25.4 38.2



#64
Tetrachloroethene
Concen: 19.616 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW012245.D
Acq: 28 Aug 2019 11:22

Tgt Ion:164 Resp: 44811
Ion Ratio Lower Upper
164 100
166 125.7 102.4 153.6
129 94.9 75.8 113.6
131 91.5 71.4 107.2

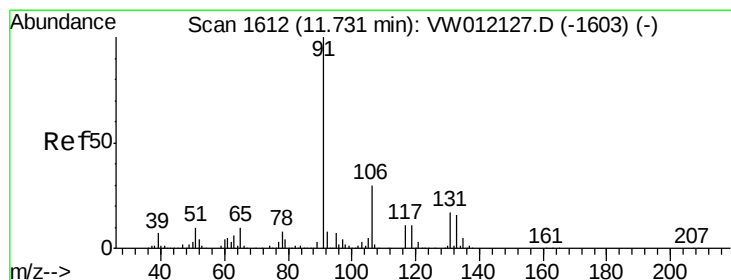
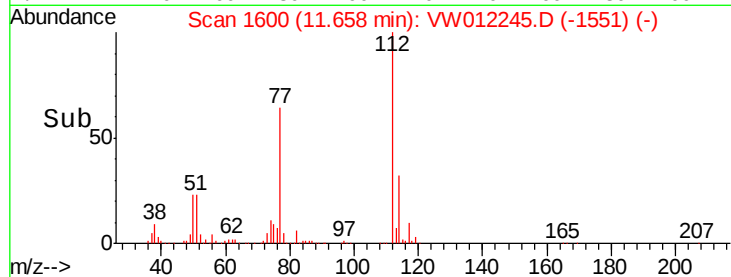
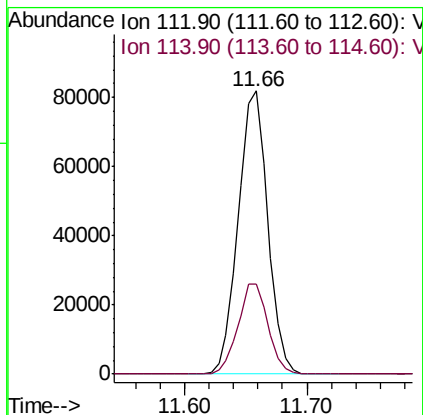
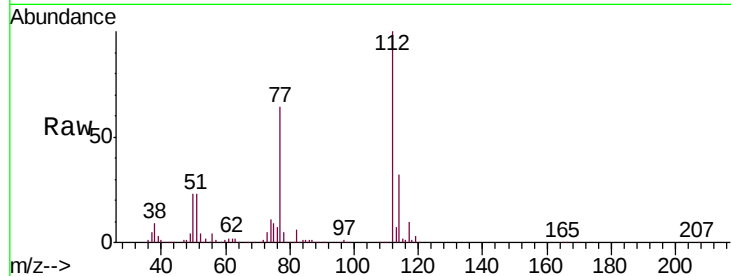




#65
Chlorobenzene
Concen: 19.759 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012245.D
Acq: 28 Aug 2019 11:22

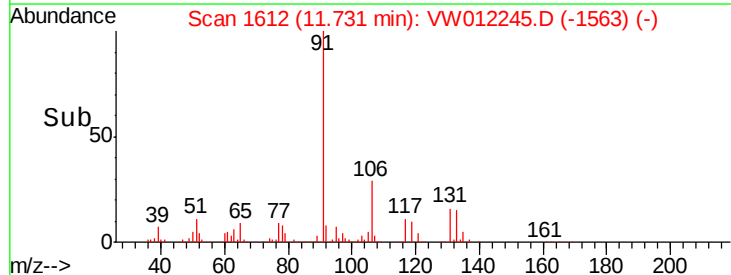
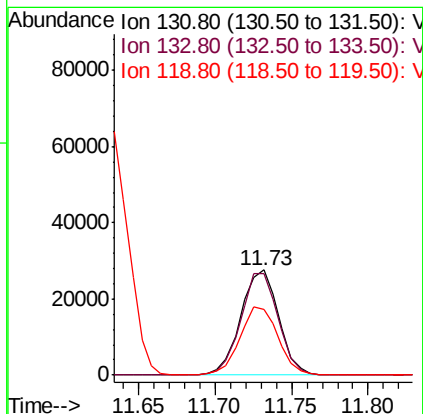
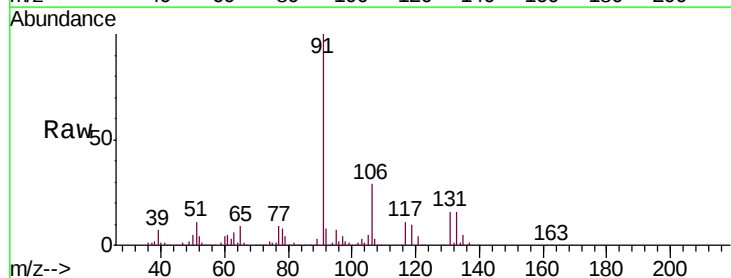
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:112 Resp: 137088
Ion Ratio Lower Upper
112 100
114 31.7 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 19.556 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW012245.D
Acq: 28 Aug 2019 11:22

Tgt Ion:131 Resp: 47334
Ion Ratio Lower Upper
131 100
133 96.7 47.1 141.3
119 65.8 31.8 95.3

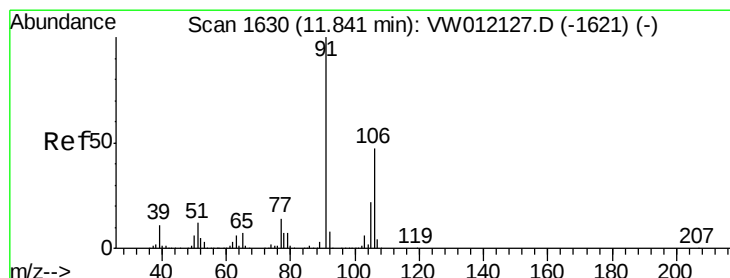
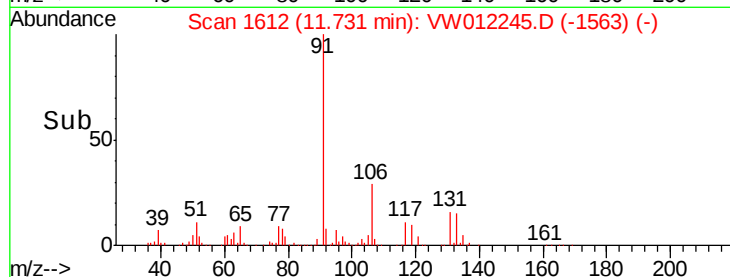
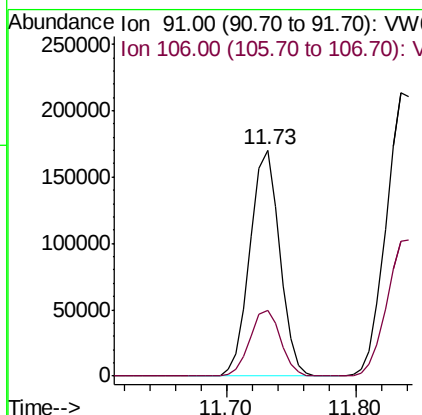
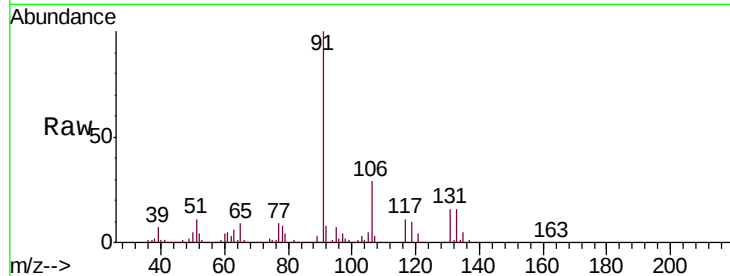




#67
Ethyl Benzene
Concen: 20.228 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW012245.D
Acq: 28 Aug 2019 11:22

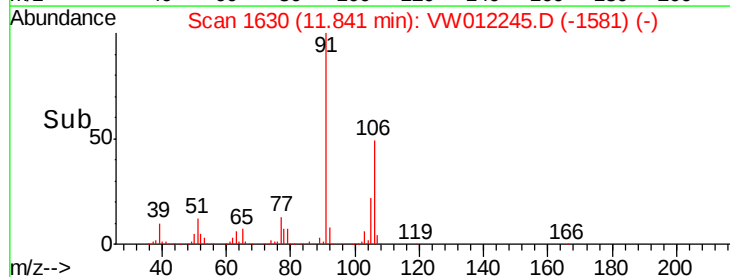
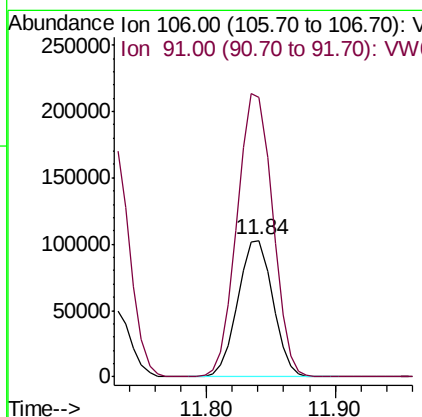
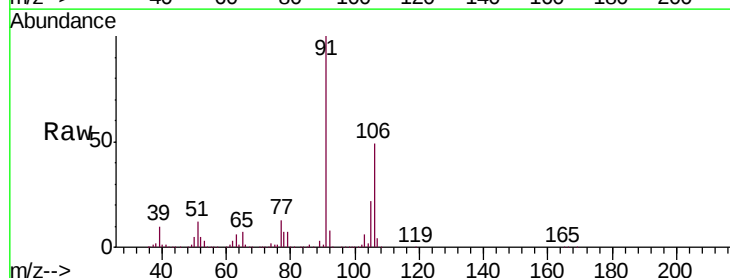
Instrument :
MSVOA_W
ClientSampled :

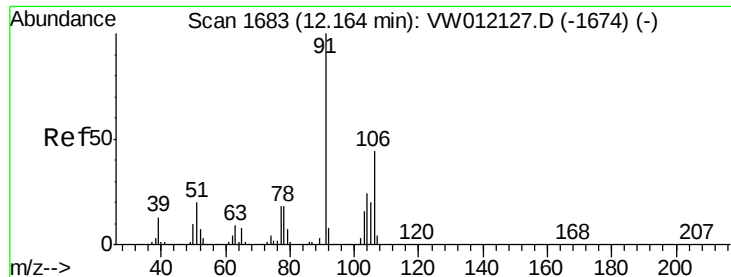
Tot Ion: 91 Resp: 270344
Ion Ratio Lower Upper
91 100
106 29.1 24.3 36.5



#68
m/p-Xylenes
Concen: 40.378 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW012245.D
Acq: 28 Aug 2019 11:22

Tgt Ion: 106 Resp: 194386
Ion Ratio Lower Upper
106 100
91 210.5 169.5 254.3

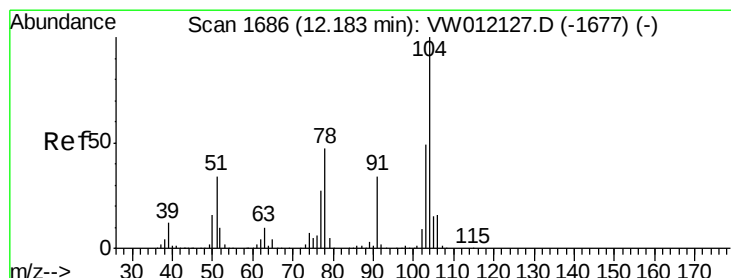
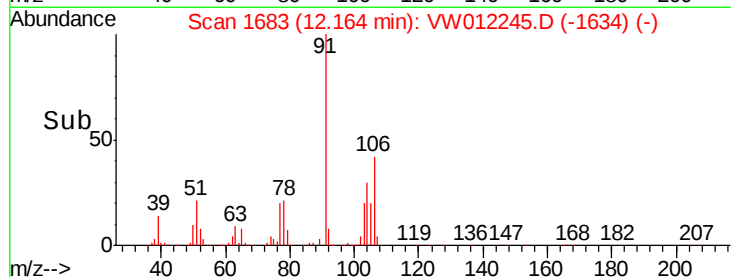
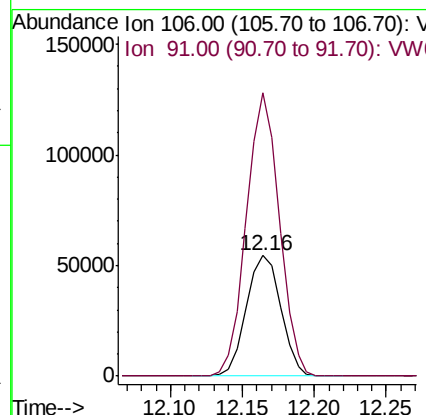
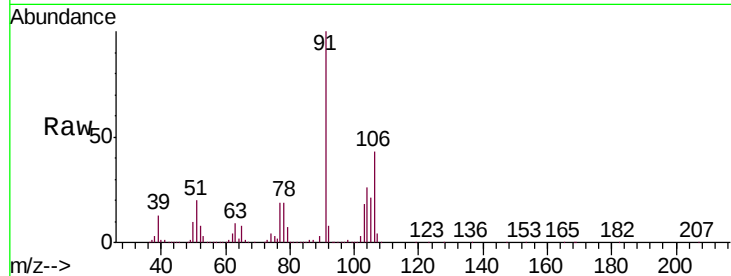




#69
o-Xylene
Concen: 20.316 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW012245.D
Acq: 28 Aug 2019 11:22

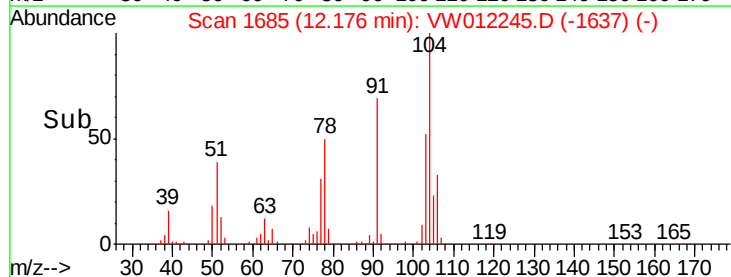
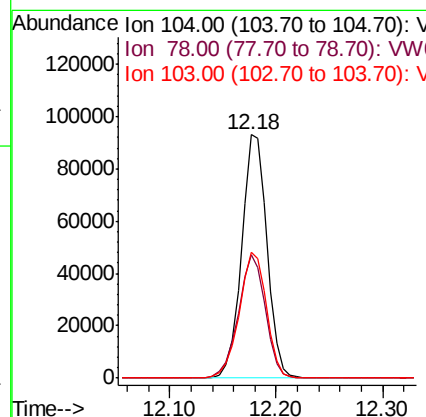
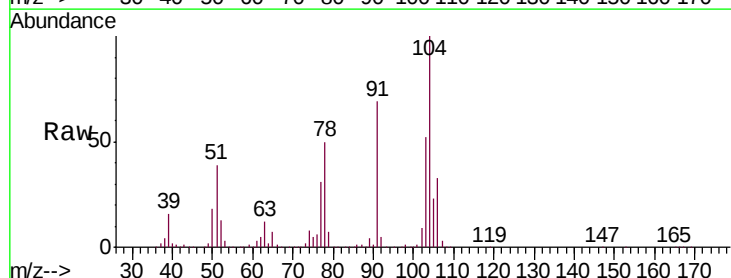
Instrument :
MSVOA_W
ClientSampled :

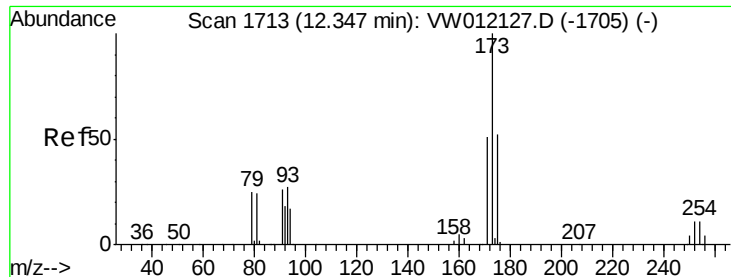
Tot Ion:106 Resp: 90522
Ion Ratio Lower Upper
106 100
91 224.0 111.6 334.6



#70
Styrene
Concen: 20.224 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW012245.D
Acq: 28 Aug 2019 11:22

Tgt Ion:104 Resp: 155973
Ion Ratio Lower Upper
104 100
78 53.7 43.1 64.7
103 55.3 43.5 65.3





#71

Bromoform

Concen: 18.991 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012245.D

Acq: 28 Aug 2019 11:22

Instrument :

MSVOA_W

ClientSampleId :

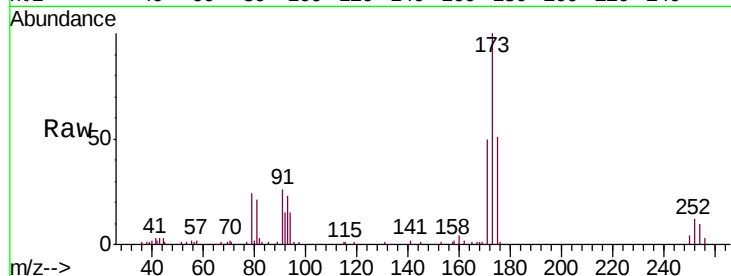
Tot Ion:173 Resp: 22901

Ion Ratio Lower Upper

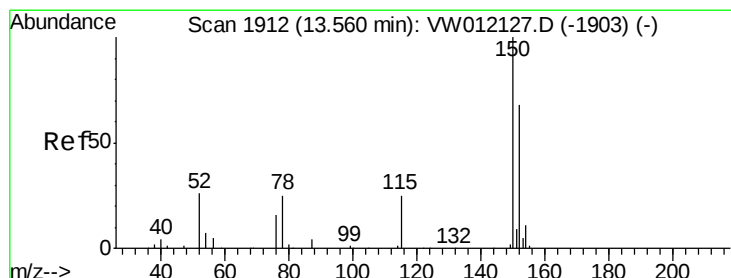
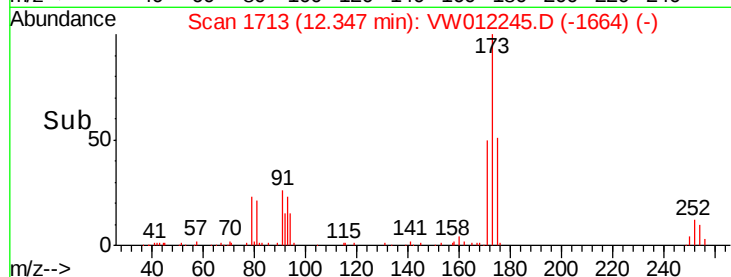
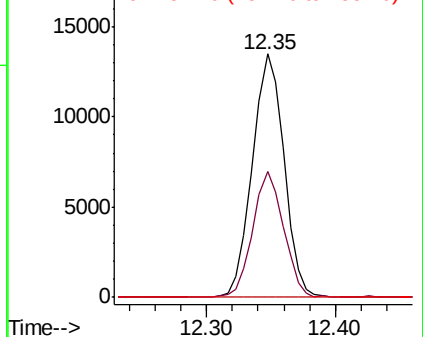
173 100

175 50.1 24.6 74.0

254 0.0 0.2 0.2#



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: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW012245.D

Acq: 28 Aug 2019 11:22

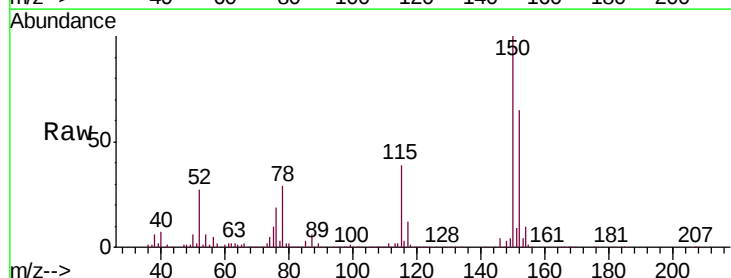
Tgt Ion:152 Resp: 171889

Ion Ratio Lower Upper

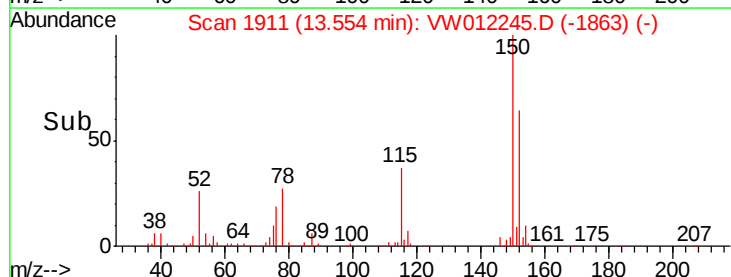
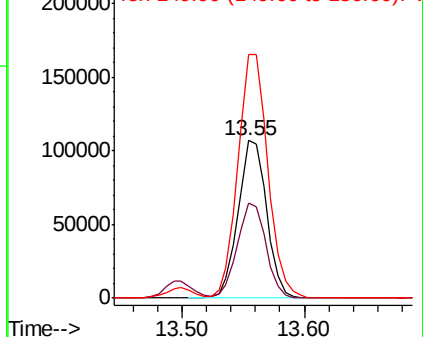
152 100

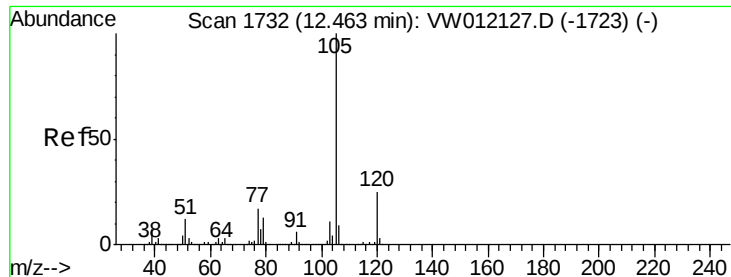
115 60.1 30.1 90.3

150 162.9 0.0 345.8



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





#73

Isopropylbenzene

Concen: 20.270 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012245.D

Acq: 28 Aug 2019 11:22

Instrument :

MSVOA_W

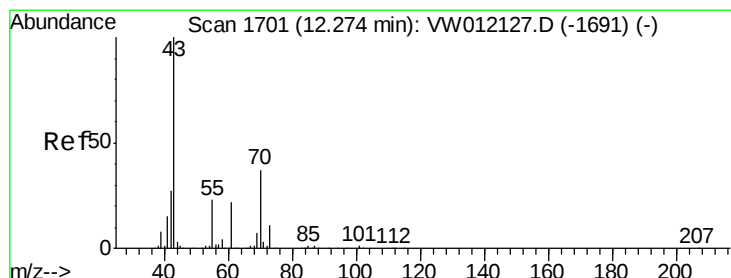
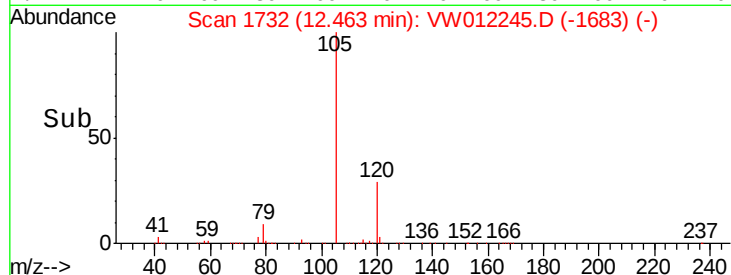
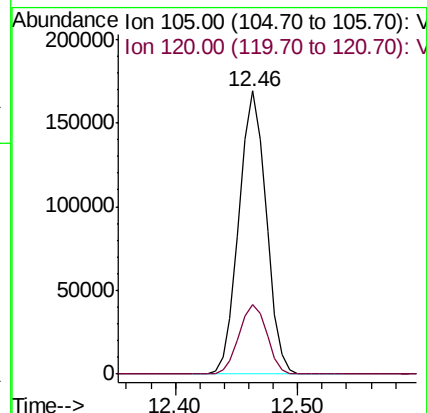
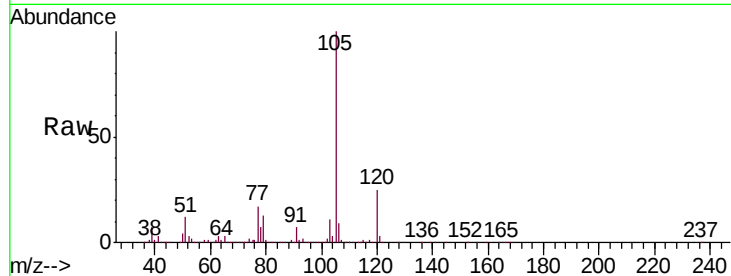
ClientSampleId :

Tot Ion:105 Resp: 261069

Ion Ratio Lower Upper

105 100

120 25.2 12.5 37.5



#74

N-ethyl acetate

Concen: 19.787 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW012245.D

Acq: 28 Aug 2019 11:22

Tgt Ion: 43 Resp: 77000

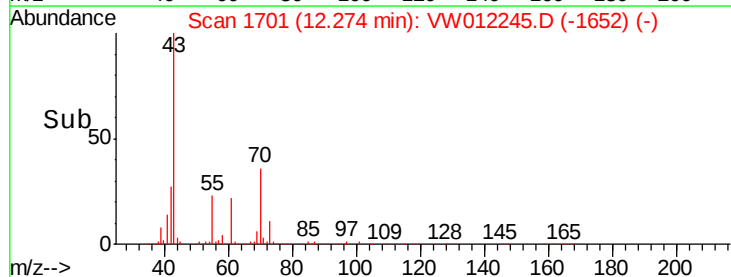
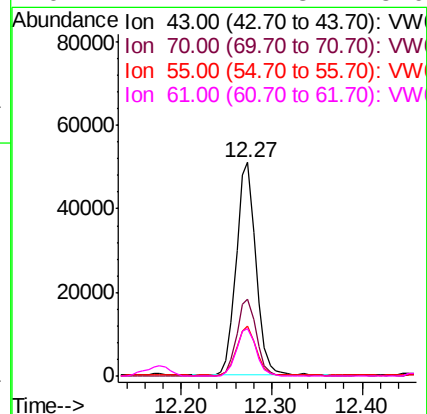
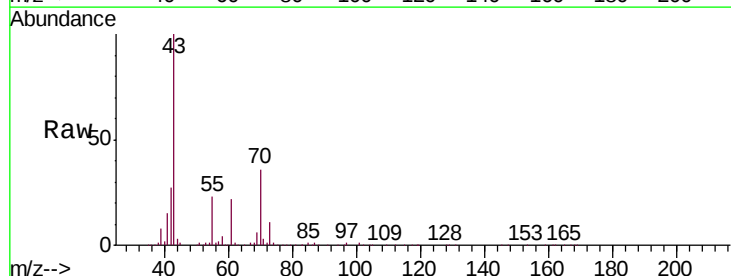
Ion Ratio Lower Upper

43 100

70 36.3 28.6 43.0

55 22.8 17.8 26.6

61 22.4 17.3 25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 19.145 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW012245.D

Acq: 28 Aug 2019 11:22

Instrument :

MSVOA_W

ClientSampleId :

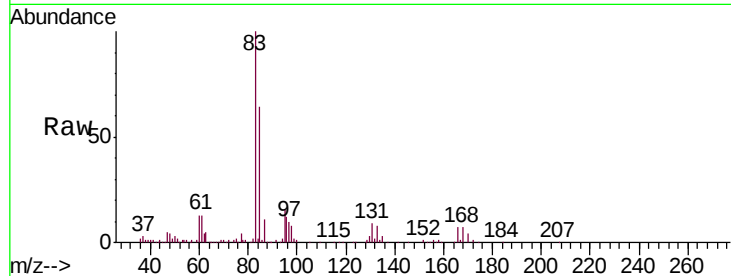
Tot Ion: 83 Resp: 45207

Ion Ratio Lower Upper

83 100

131 10.5 4.9 14.7

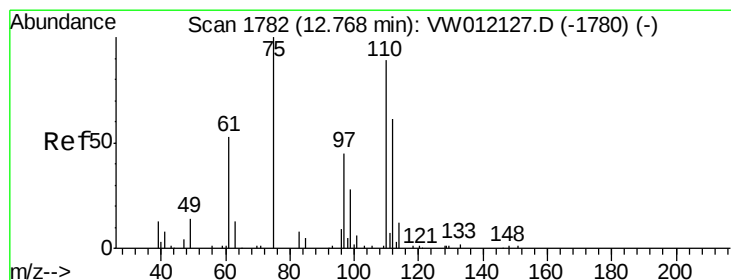
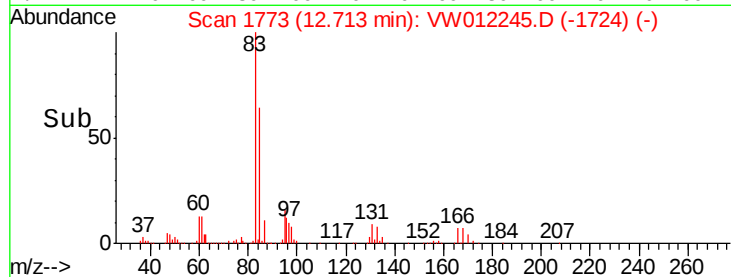
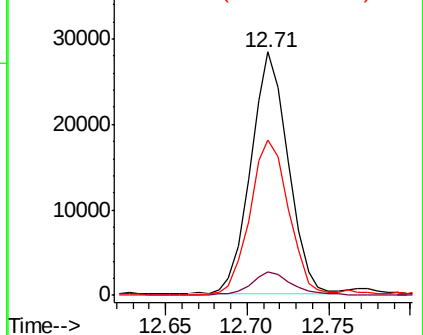
85 66.9 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 36.303 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW012245.D

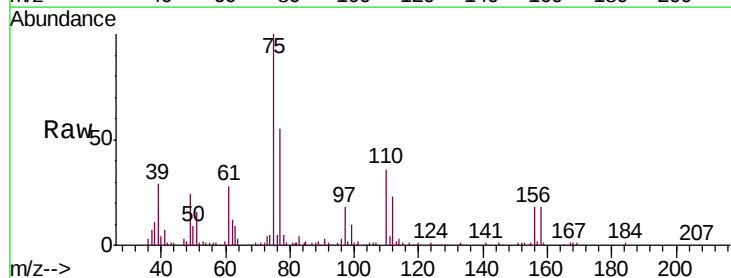
Acq: 28 Aug 2019 11:22

Tgt Ion: 75 Resp: 60774

Ion Ratio Lower Upper

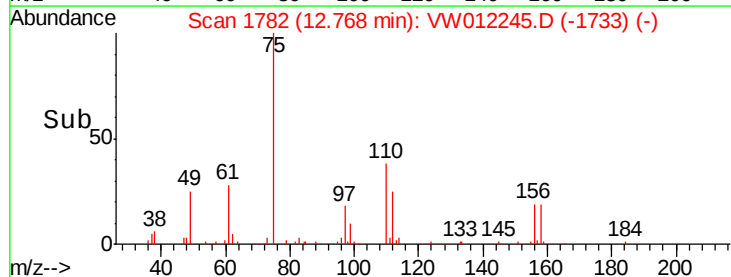
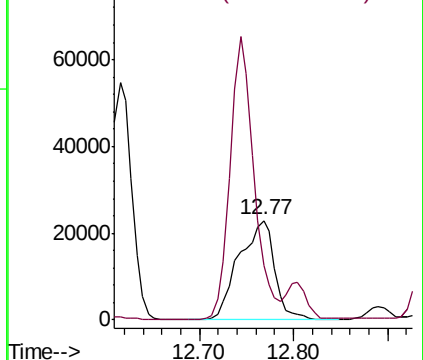
75 100

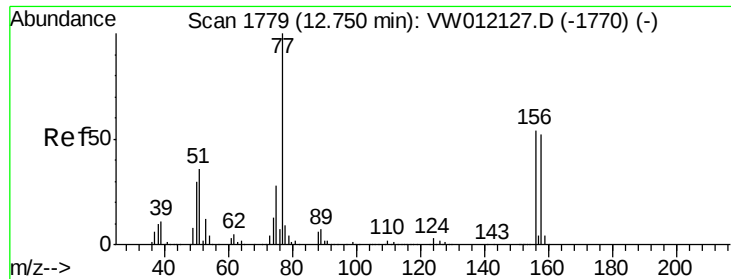
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.157 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW012245.D

Acq: 28 Aug 2019 11:22

Instrument :

MSVOA_W

ClientSampled :

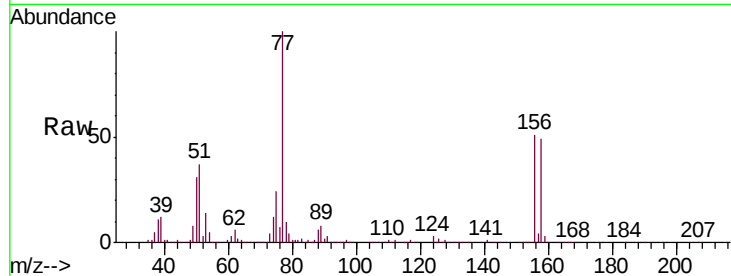
Tot Ion:156 Resp: 56165

Ion Ratio Lower Upper

156 100

77 206.9 107.3 321.8

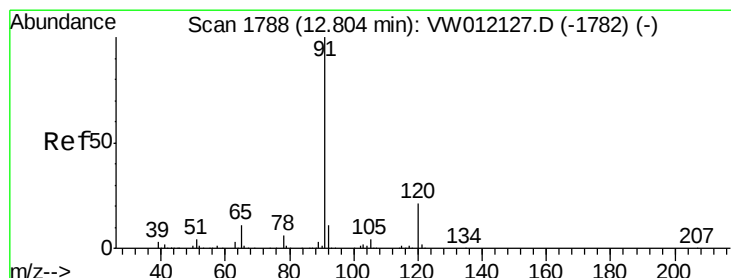
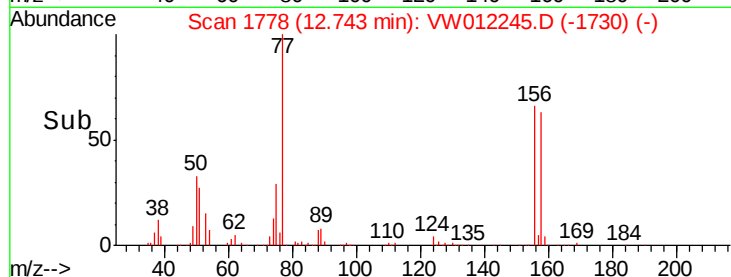
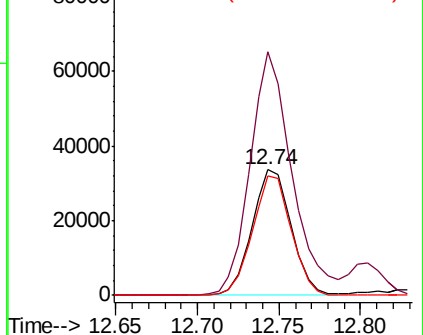
158 94.0 49.0 147.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.108 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012245.D

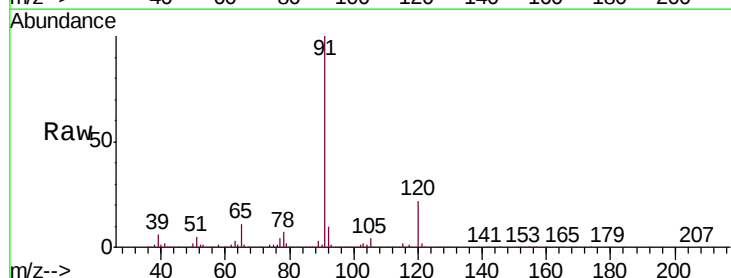
Acq: 28 Aug 2019 11:22

Tgt Ion: 91 Resp: 316176

Ion Ratio Lower Upper

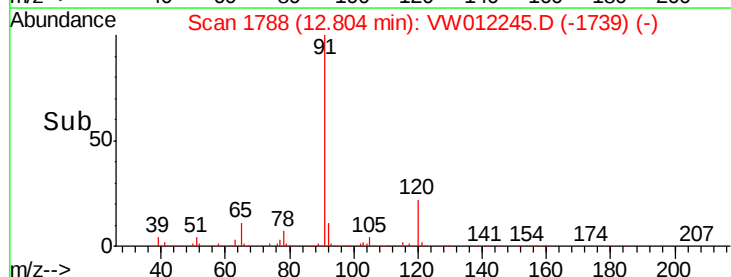
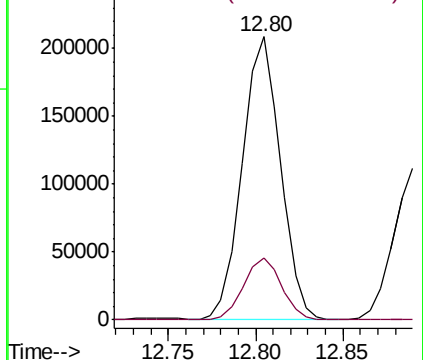
91 100

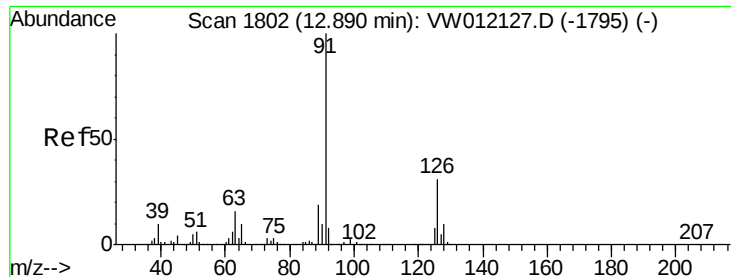
120 21.9 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.892 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012245.D

Acq: 28 Aug 2019 11:22

Instrument :

MSVOA_W

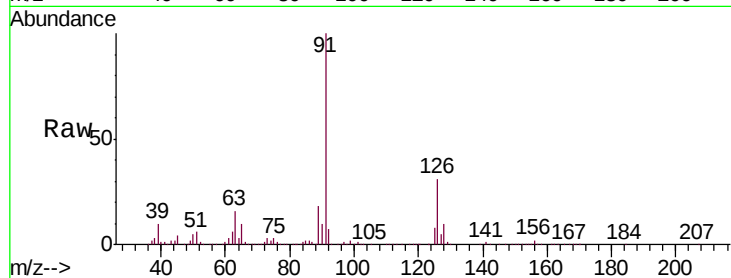
ClientSampleId :

Tot Ion: 91 Resp: 177576

Ion Ratio Lower Upper

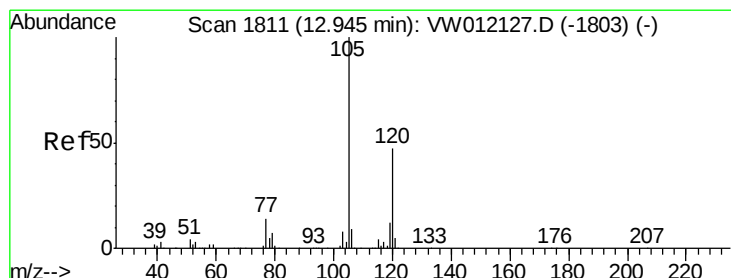
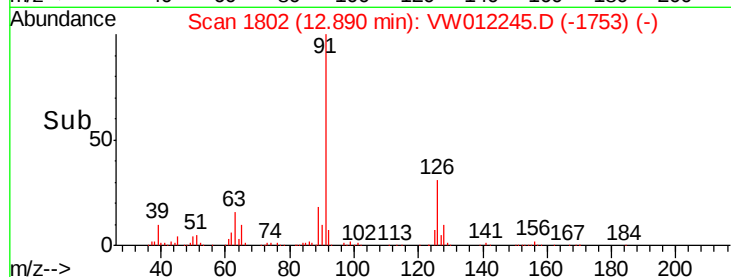
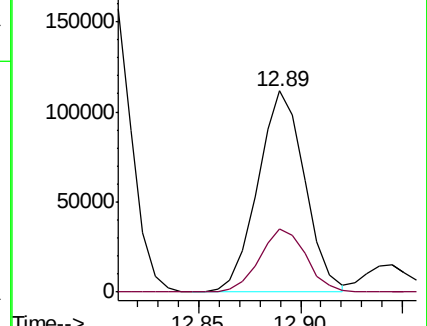
91 100

126 31.3 15.7 47.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.342 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW012245.D

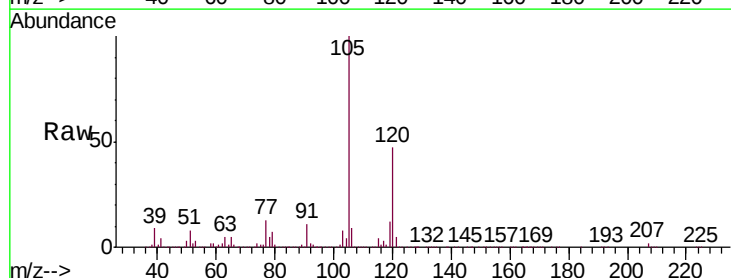
Acq: 28 Aug 2019 11:22

Tgt Ion:105 Resp: 218926

Ion Ratio Lower Upper

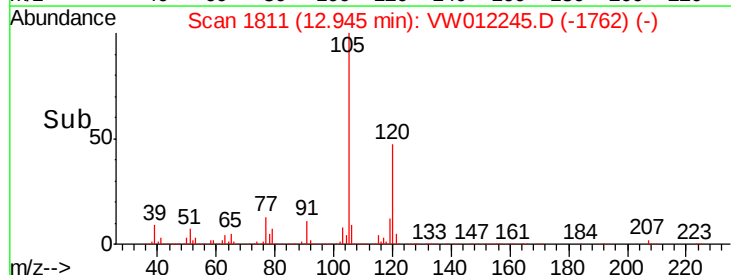
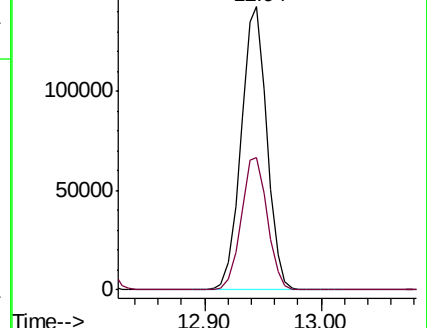
105 100

120 47.7 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 18.743 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW012245.D

Acq: 28 Aug 2019 11:22

Instrument :

MSVOA_W

ClientSampleId :

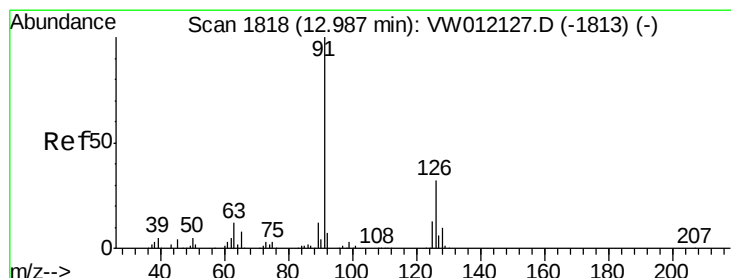
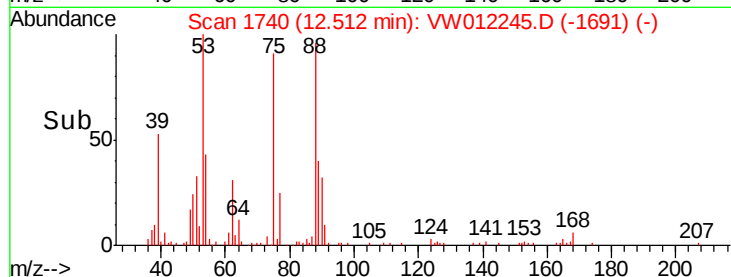
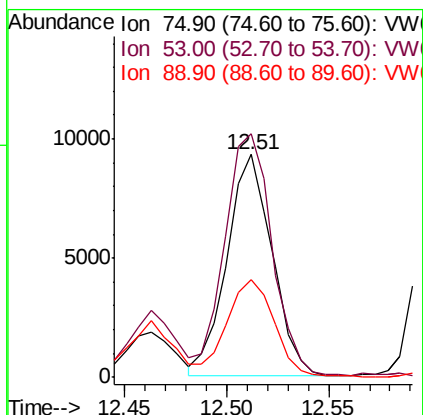
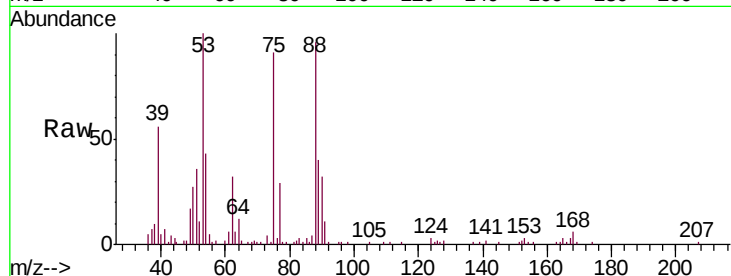
Tot Ion: 75 Resp: 14311

Ion Ratio Lower Upper

75 100

53 114.8 89.4 134.0

89 46.0 34.5 51.7



#82

4-Chlorotoluene

Concen: 19.927 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW012245.D

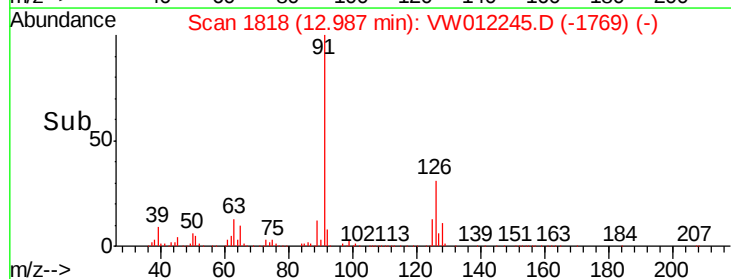
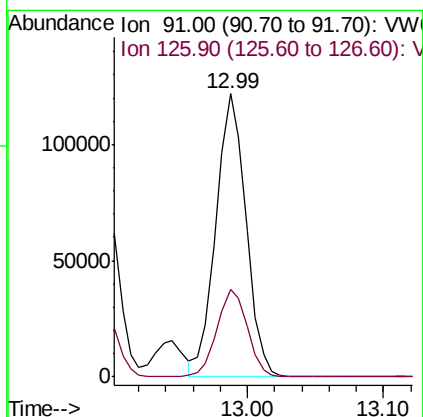
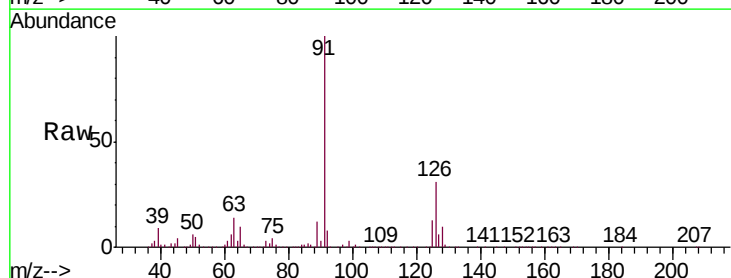
Acq: 28 Aug 2019 11:22

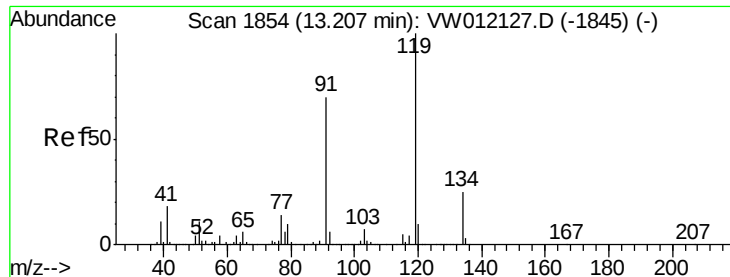
Tgt Ion: 91 Resp: 186267

Ion Ratio Lower Upper

91 100

126 31.1 15.6 46.8

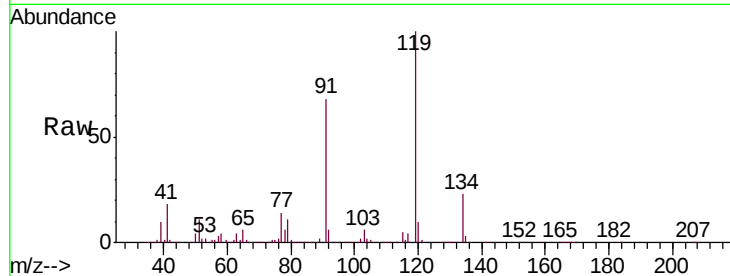




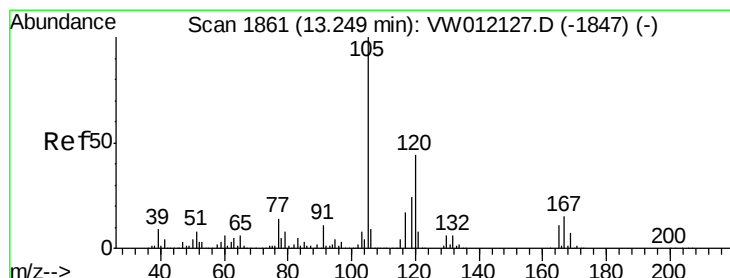
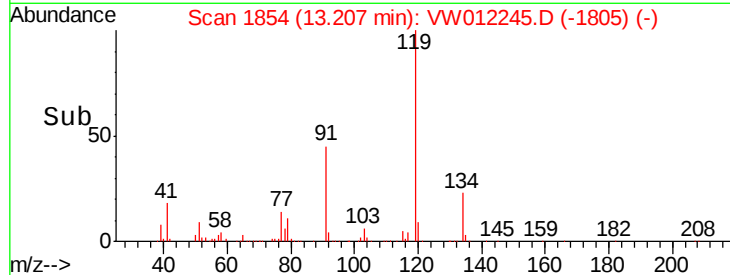
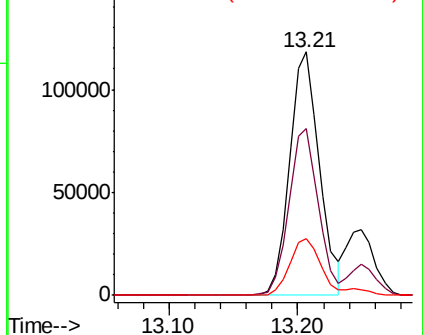
#83
tert-Butylbenzene
Concen: 20.849 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW012245.D
Acq: 28 Aug 2019 11:22

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:119 Resp: 190070
Ion Ratio Lower Upper
119 100
91 67.6 34.8 104.3
134 24.3 13.3 39.8

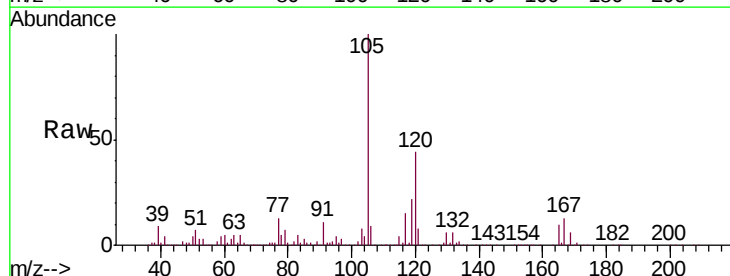


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VW
Ion 134.00 (133.70 to 134.70): V

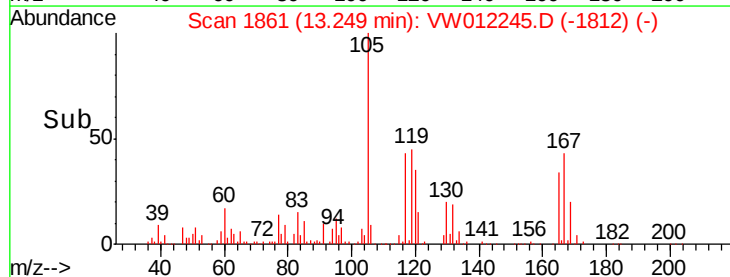
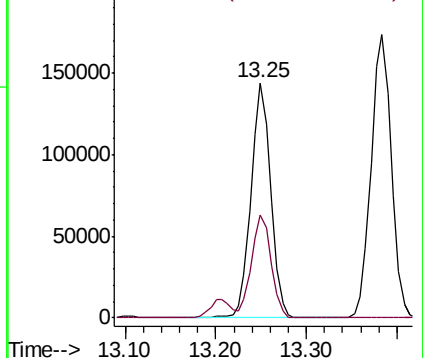


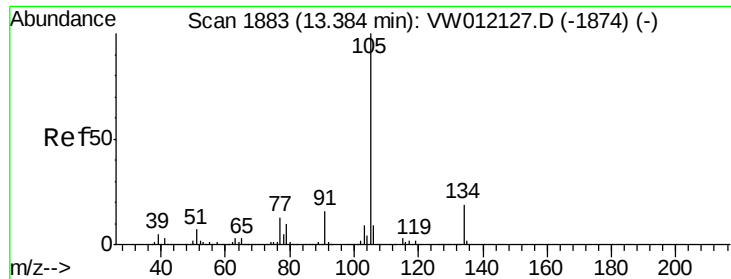
#84
1,2,4-Trimethylbenzene
Concen: 20.017 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW012245.D
Acq: 28 Aug 2019 11:22

Tgt Ion:105 Resp: 216407
Ion Ratio Lower Upper
105 100
120 43.5 21.9 65.7



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.478 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012245.D

Acq: 28 Aug 2019 11:22

Instrument :

MSVOA_W

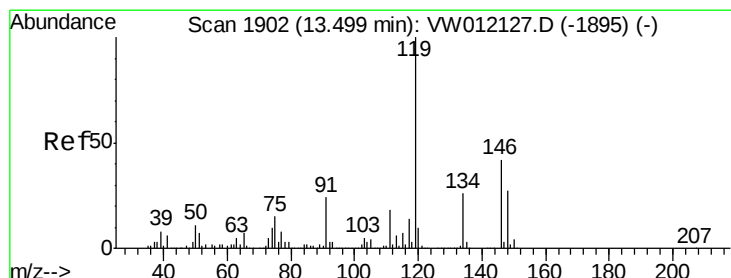
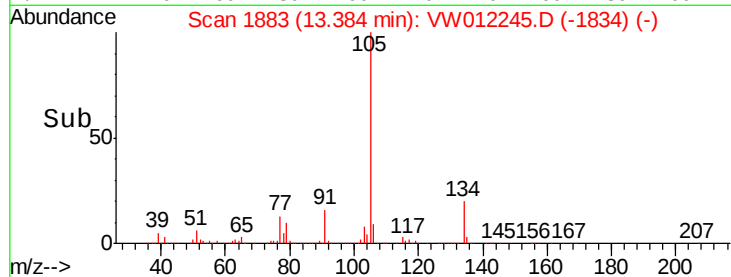
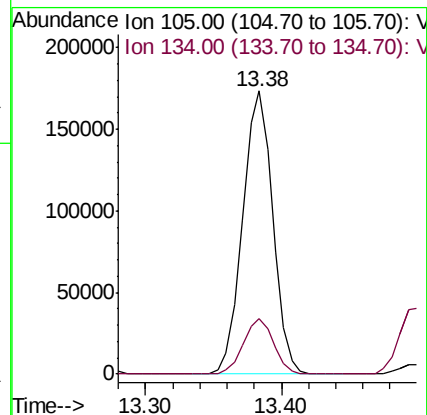
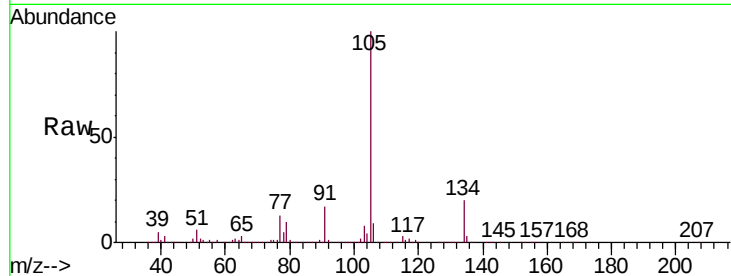
ClientSampleId :

Tot Ion:105 Resp: 267474

Ion Ratio Lower Upper

105 100

134 19.6 9.8 29.4



#86

p-Isopropyltoluene

Concen: 20.712 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012245.D

Acq: 28 Aug 2019 11:22

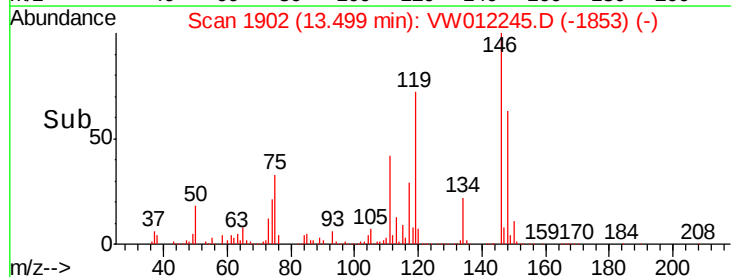
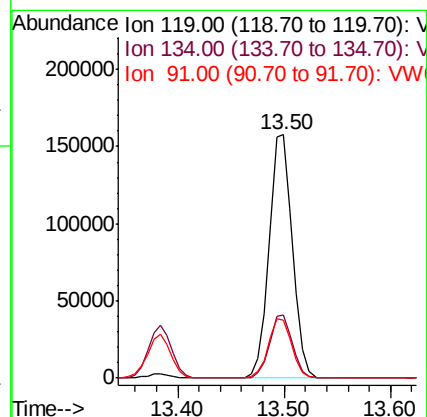
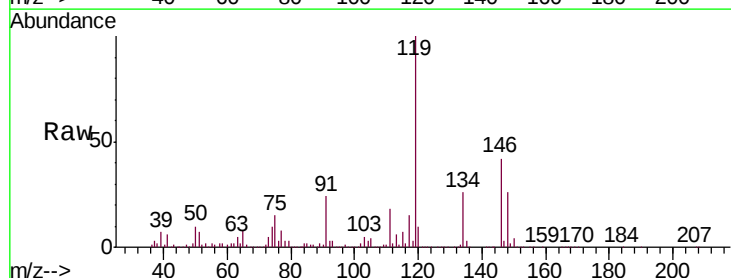
Tgt Ion:119 Resp: 241588

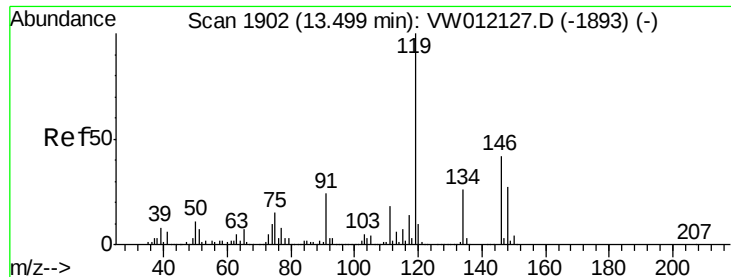
Ion Ratio Lower Upper

119 100

134 25.5 12.8 38.3

91 24.3 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 19.632 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012245.D

Acq: 28 Aug 2019 11:22

Instrument :

MSVOA_W

ClientSampleId :

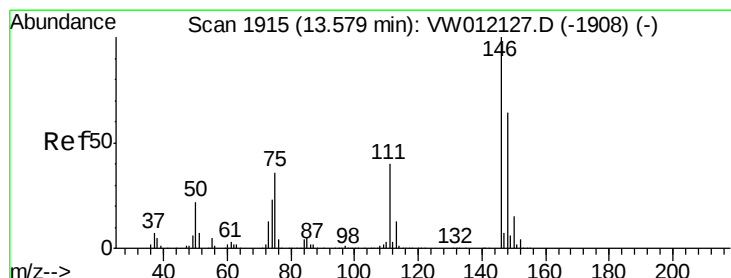
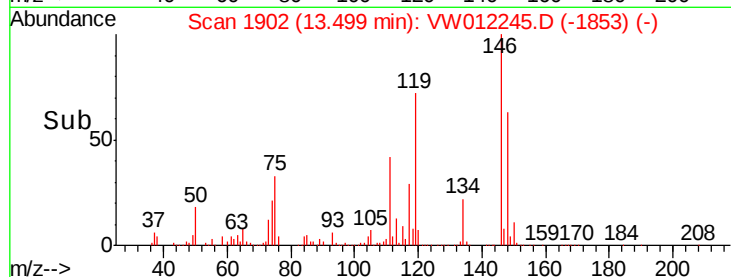
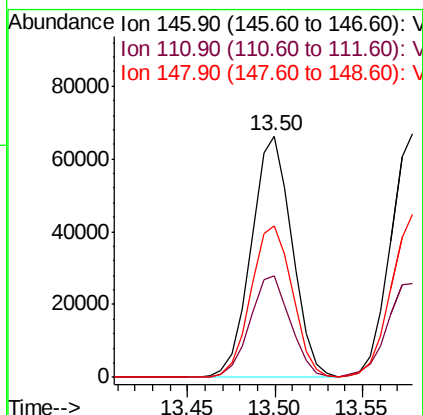
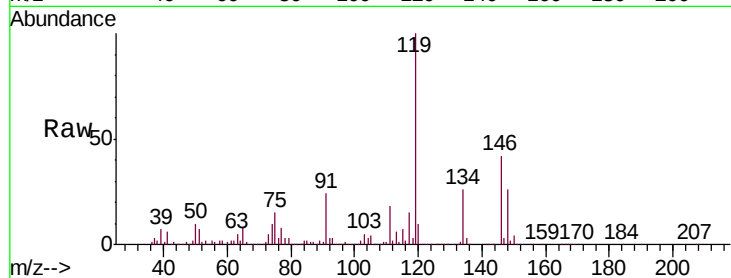
Tot Ion:146 Resp: 106996

Ion Ratio Lower Upper

146 100

111 42.0 20.9 62.7

148 64.1 32.2 96.6



#88

1,4-Dichlorobenzene

Concen: 19.680 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW012245.D

Acq: 28 Aug 2019 11:22

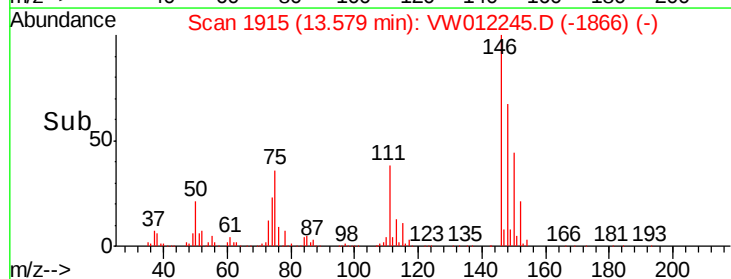
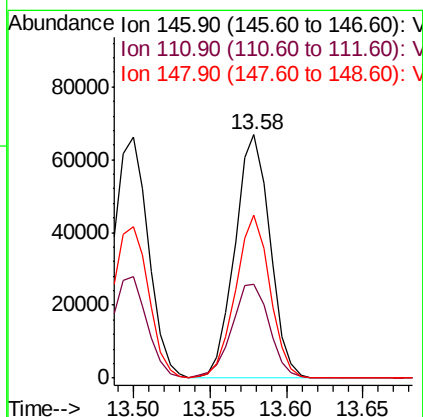
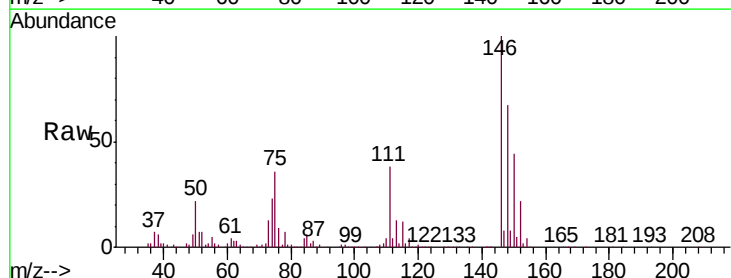
Tgt Ion:146 Resp: 106502

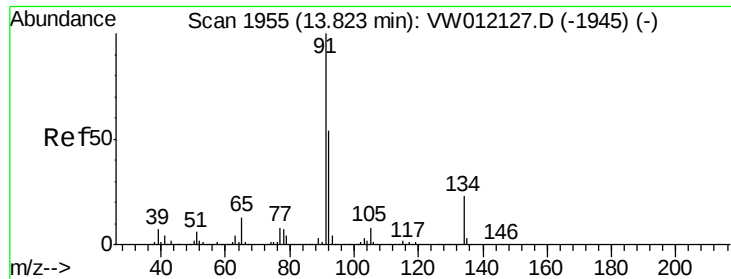
Ion Ratio Lower Upper

146 100

111 41.3 20.0 60.0

148 65.7 32.1 96.3





#89

n-Butylbenzene

Concen: 20.644 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW012245.D

Acq: 28 Aug 2019 11:22

Instrument :

MSVOA_W

ClientSampleId :

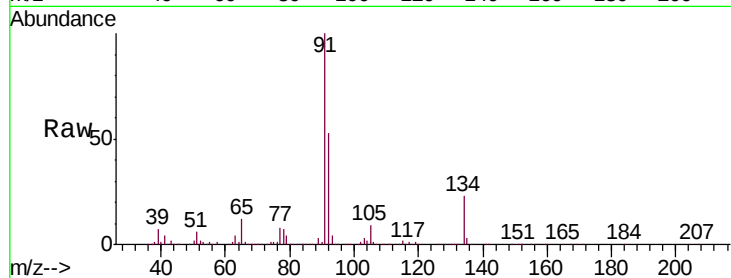
Tot Ion: 91 Resp: 239459

Ion Ratio Lower Upper

91 100

92 54.1 27.1 81.2

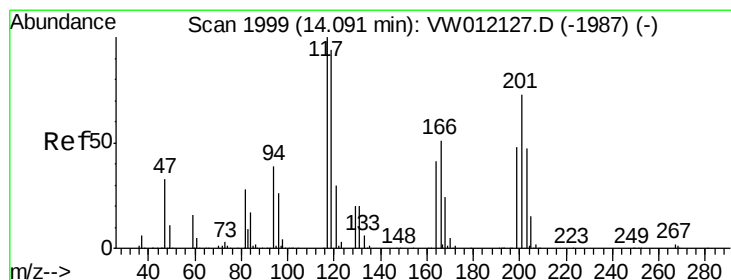
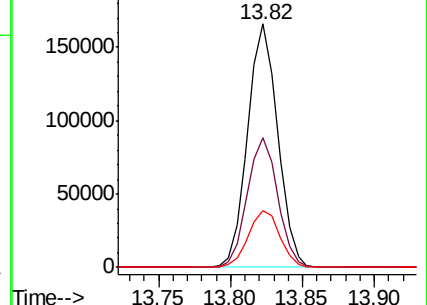
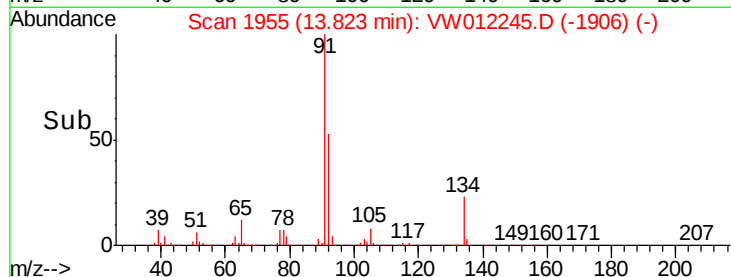
134 24.5 12.2 36.4



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: 19.219 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW012245.D

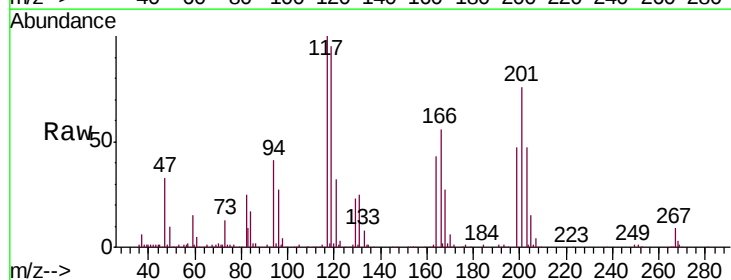
Acq: 28 Aug 2019 11:22

Tgt Ion: 117 Resp: 39331

Ion Ratio Lower Upper

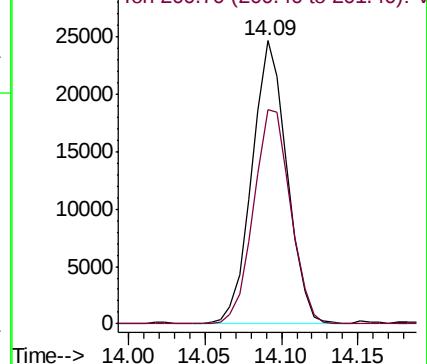
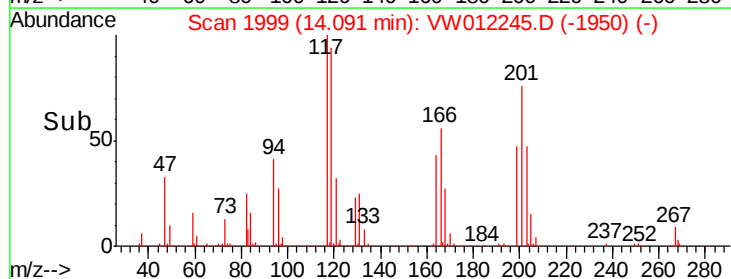
117 100

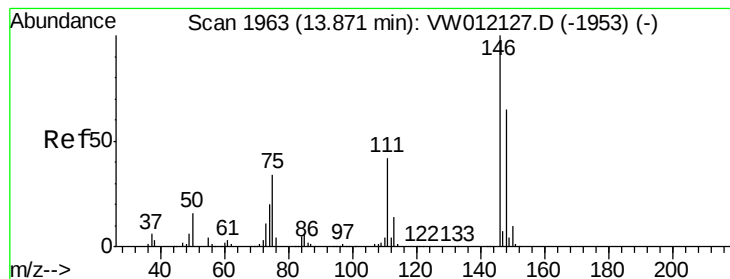
201 80.1 38.6 115.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 19.806 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW012245.D

Acq: 28 Aug 2019 11:22

Instrument :

MSVOA_W

ClientSampleId :

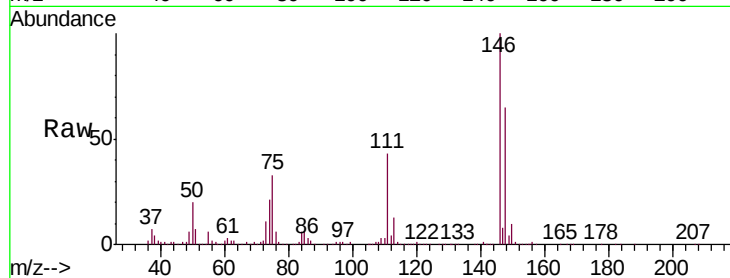
Tot Ion:146 Resp: 94696

Ion Ratio Lower Upper

146 100

111 44.1 21.2 63.6

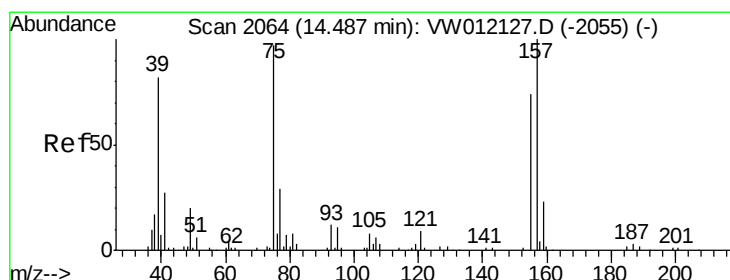
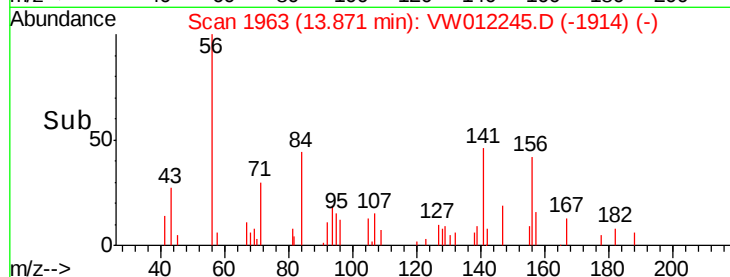
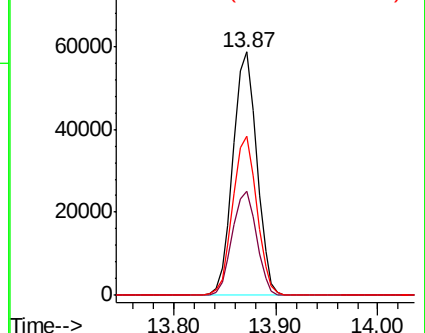
148 66.0 32.5 97.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.215 ug/l

RT: 14.48 min Scan# 2063

Delta R.T. -0.01 min

Lab File: VW012245.D

Acq: 28 Aug 2019 11:22

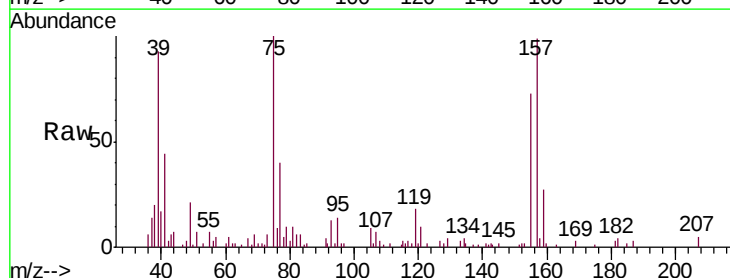
Tgt Ion: 75 Resp: 7649

Ion Ratio Lower Upper

75 100

155 79.7 37.5 112.3

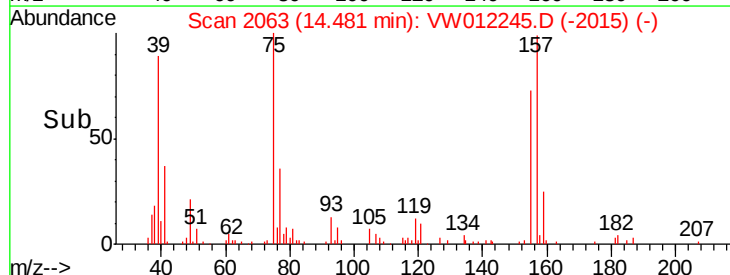
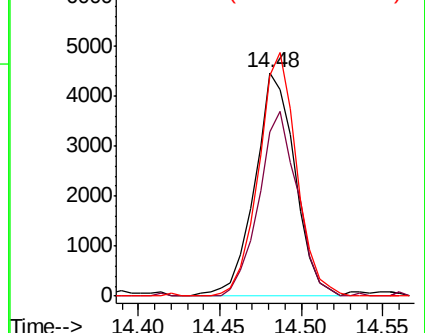
157 103.1 50.5 151.5

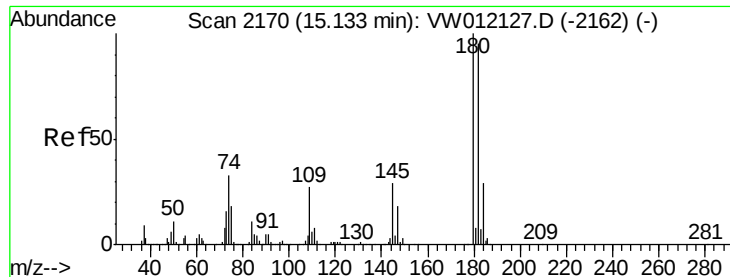


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

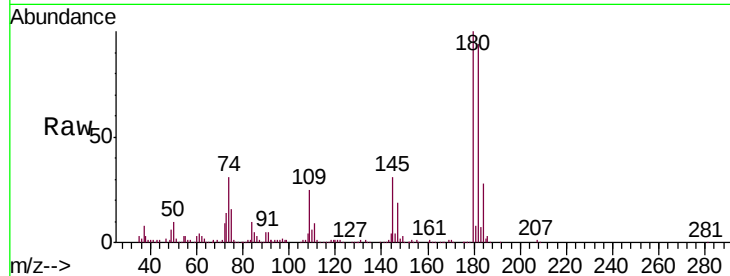




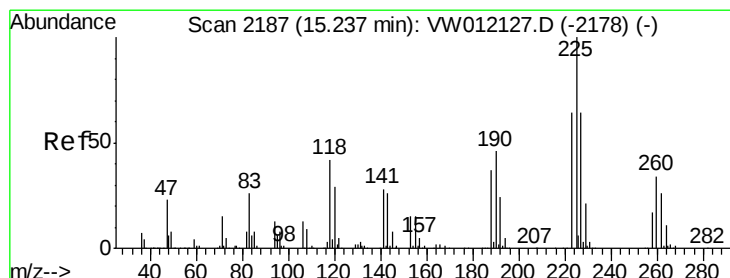
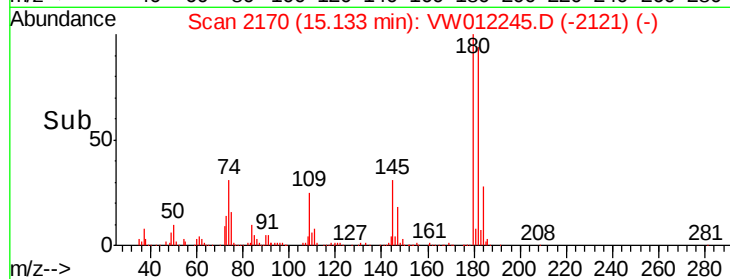
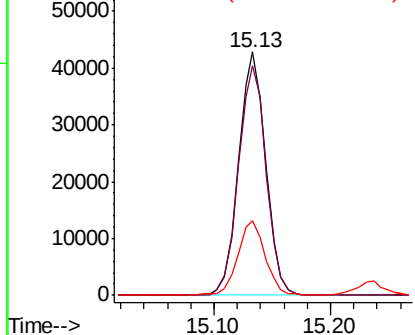
#93
 1,2,4-Trichlorobenzene
 Concen: 20.992 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012245.D
 Acq: 28 Aug 2019 11:22

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.8	143.4
145	31.2	15.0	45.1

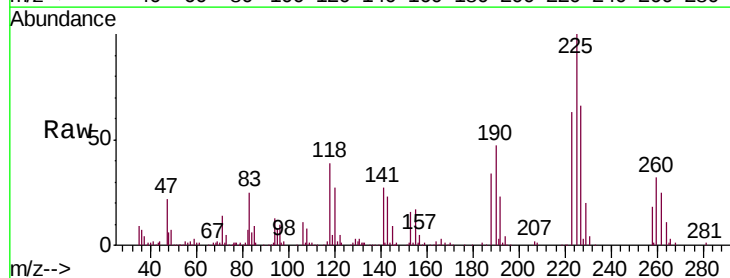


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

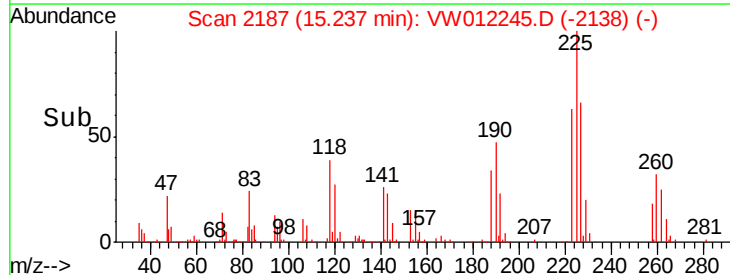
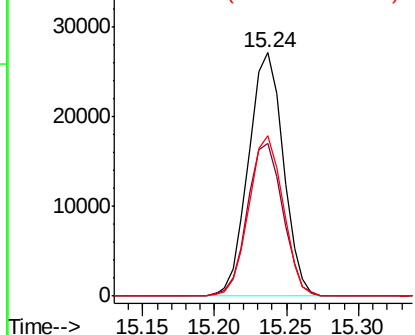


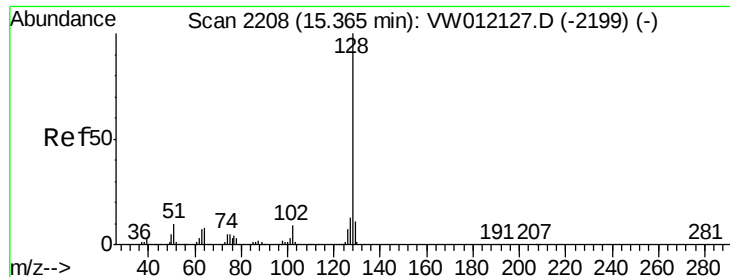
#94
 Hexachlorobutadiene
 Concen: 20.815 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW012245.D
 Acq: 28 Aug 2019 11:22

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.9	32.3	96.8
227	64.9	32.9	98.6



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

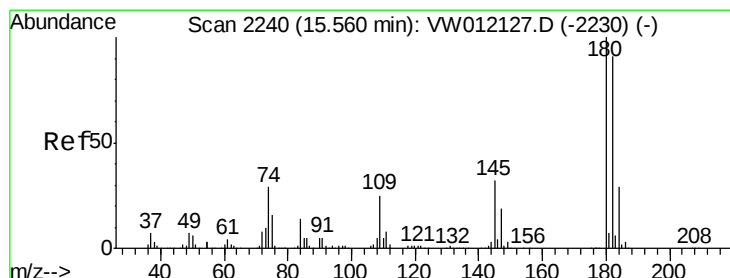
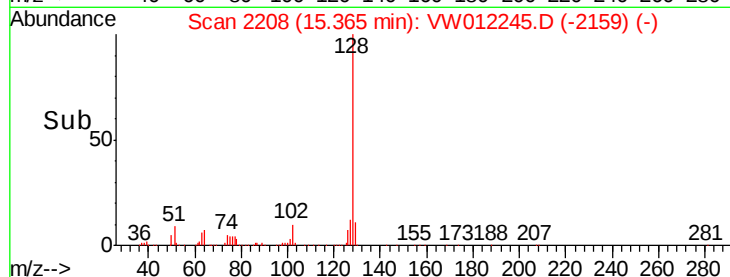
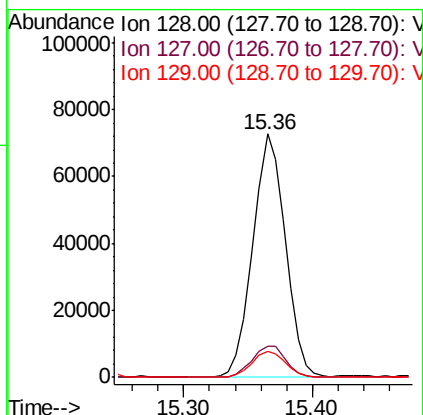
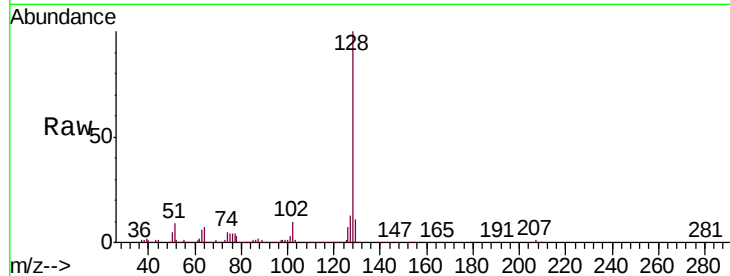




#95
Naphthalene
Concen: 22.128 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012245.D
Acq: 28 Aug 2019 11:22

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 126373
Ion Ratio Lower Upper
128 100
127 13.5 10.7 16.1
129 11.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 20.806 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012245.D
Acq: 28 Aug 2019 11:22

Tgt Ion:180 Resp: 59978
Ion Ratio Lower Upper
180 100
182 95.4 47.1 141.3
145 34.3 16.2 48.5

