

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092419\
 Data File : VW013287.D
 Acq On : 24 Sep 2019 19:57
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Sep 25 07:13:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	355346	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	526116	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	467286	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	233728	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	149627	51.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.18%	
35) Dibromofluoromethane	7.88	113	149460	51.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.30%	
50) Toluene-d8	10.32	98	622710	51.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.84%	
62) 4-Bromofluorobenzene	12.62	95	217052	52.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.94%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.01	85	79041	38.561	ug/l	95
3) Chloromethane	2.20	50	112156	42.565	ug/l	99
4) Vinyl Chloride	2.35	62	152541	44.905	ug/l	99
5) Bromomethane	2.75	94	96301	44.735	ug/l	95
6) Chloroethane	2.90	64	93084	46.488	ug/l	97
7) Trichlorofluoromethane	3.24	101	78485	40.069	ug/l	96
8) Diethyl Ether	3.67	74	86624	51.775	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.05	101	149151	46.770	ug/l	99
10) Methyl Iodide	4.26	142	239917	48.525	ug/l	99
11) Tert butyl alcohol	5.18	59	57712	277.552	ug/l	98
12) 1,1-Dichloroethene	4.03	96	155787	47.175	ug/l	98
13) Acrolein	3.89	56	35403	212.061	ug/l	99
14) Allyl chloride	4.66	41	253799	48.291	ug/l	99
15) Acrylonitrile	5.36	53	194781	269.727	ug/l	98
16) Acetone	4.12	43	152474	233.135	ug/l	98
17) Carbon Disulfide	4.38	76	435786	45.657	ug/l	99
18) Methyl Acetate	4.67	43	99641	54.199	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	267108	52.776	ug/l	97
20) Methylene Chloride	4.91	84	173299	51.923	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	173077	48.492	ug/l	97
22) Diisopropyl ether	6.31	45	521891	52.220	ug/l	98
23) Vinyl Acetate	6.24	43	1563580	263.719	ug/l	100
24) 1,1-Dichloroethane	6.21	63	300908	49.897	ug/l	99
25) 2-Butanone	7.17	43	252015	256.691	ug/l	96
26) 2,2-Dichloropropane	7.16	77	167955	46.300	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	191910	50.950	ug/l	98
28) Bromochloromethane	7.51	49	131323	56.738	ug/l	100
29) Tetrahydrofuran	7.52	42	164748	273.624	ug/l	99
30) Chloroform	7.67	83	291685	49.402	ug/l	99
31) Cyclohexane	7.95	56	286184	45.525	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	228570	47.798	ug/l	98
36) 1,1-Dichloropropene	8.08	75	240411	47.178	ug/l	99
37) Ethyl Acetate	7.24	43	112731	52.052	ug/l	99
38) Carbon Tetrachloride	8.07	117	209510	45.864	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	306897	46.864	ug/l	98
40) Benzene	8.32	78	701900	49.382	ug/l	99
41) Methacrylonitrile	7.48	41	70415	54.477	ug/l	99
42) 1,2-Dichloroethane	8.40	62	185218	48.475	ug/l	98
43) Isopropyl Acetate	8.42	43	218577	52.659	ug/l	99
44) Trichloroethene	9.09	130	193602	48.547	ug/l	99
45) 1,2-Dichloropropane	9.37	63	175004	50.431	ug/l	98
46) Dibromomethane	9.46	93	86035	51.067	ug/l	98
47) Bromodichloromethane	9.64	83	212092	49.474	ug/l	99
48) Methyl methacrylate	9.43	41	101373	51.938	ug/l	97
49) 1,4-Dioxane	9.46	88	24257	959.180	ug/l #	93
51) 4-Methyl-2-Pentanone	10.21	43	552687	265.602	ug/l	99
52) Toluene	10.38	92	452258	49.647	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	225780	51.263	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	274274	51.217	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	128586	51.063	ug/l	98
56) Ethyl methacrylate	10.65	69	180683	54.826	ug/l	98
57) 1,3-Dichloropropane	10.93	76	225754	51.374	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	424650	278.335	ug/l	99
59) 2-Hexanone	10.96	43	380029	265.449	ug/l	100
60) Dibromochloromethane	11.13	129	149776	52.381	ug/l	98
61) 1,2-Dibromoethane	11.23	107	123698	51.664	ug/l	98
64) Tetrachloroethene	10.86	164	170586	48.114	ug/l	99
65) Chlorobenzene	11.66	112	473786	48.554	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	165472	49.638	ug/l	100
67) Ethyl Benzene	11.73	91	855901	48.410	ug/l	99
68) m/p-Xylenes	11.83	106	659745	97.925	ug/l	100
69) o-Xylene	12.16	106	307787	49.138	ug/l	98
70) Styrene	12.18	104	539850	50.202	ug/l	99
71) Bromoform	12.35	173	90183	51.207	ug/l #	99
73) Isopropylbenzene	12.46	105	845371	48.962	ug/l	100
74) N-amyl acetate	12.27	43	201100	52.489	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	148857	51.551	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	186009	90.115	ug/l #	100
77) Bromobenzene	12.74	156	204909	50.082	ug/l	100
78) n-propylbenzene	12.80	91	984258	48.701	ug/l	100
79) 2-Chlorotoluene	12.89	91	556802	49.177	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	712031	49.060	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	48872	53.129	ug/l	94
82) 4-Chlorotoluene	12.99	91	581202	48.677	ug/l	100
83) tert-Butylbenzene	13.21	119	623375	48.935	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	713476	49.402	ug/l	100
85) sec-Butylbenzene	13.38	105	846469	48.197	ug/l	99
86) p-Isopropyltoluene	13.49	119	791899	48.614	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	387543	49.216	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	382051	49.471	ug/l	99
89) n-Butylbenzene	13.82	91	726569	48.848	ug/l	100
90) Hexachloroethane	14.09	117	134287	49.072	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	348350	51.135	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	22978	52.026	ug/l	94

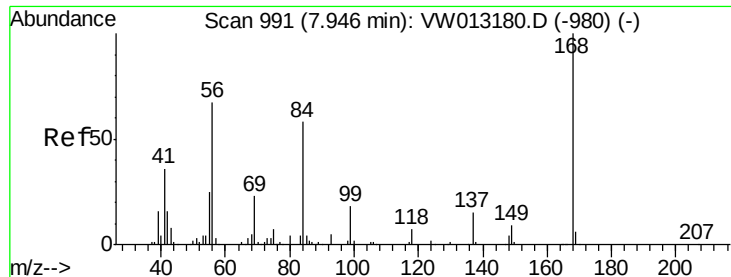
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	254554	52.146	ug/l	99
94) Hexachlorobutadiene	15.24	225	160428	48.037	ug/l	100
95) Naphthalene	15.36	128	452200	56.639	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	226703	53.747	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: VW013287.D

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Instrument :

MSVOA_W

ClientSampleId :

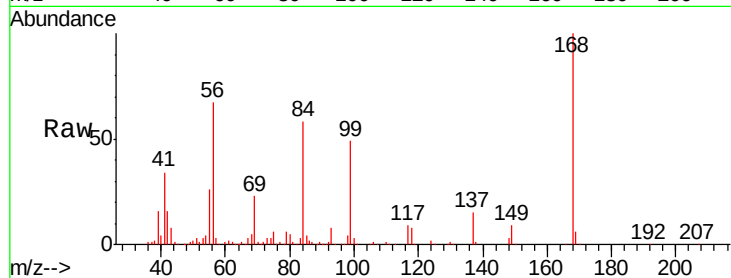
VSTDCCC050EC

Tgt Ion:168 Resp: 355346

Ion Ratio Lower Upper

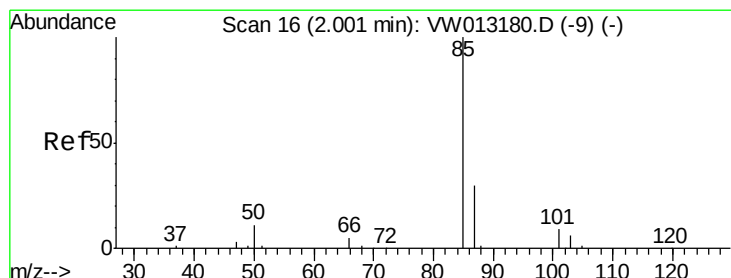
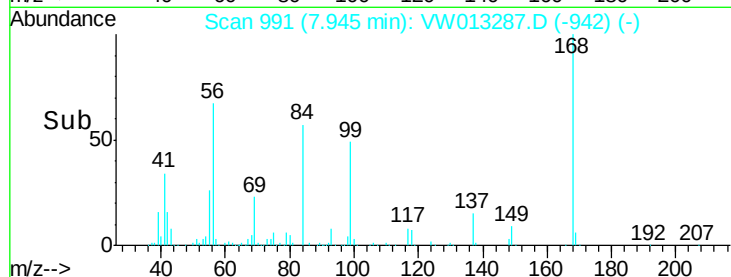
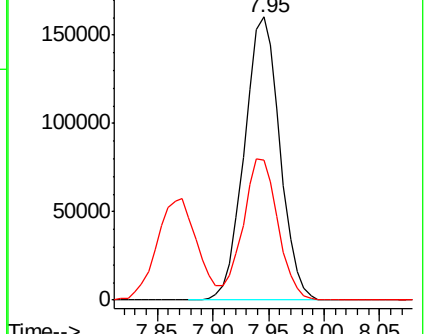
168 100

99 49.3 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 38.561 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.01 min

Lab File: VW013287.D

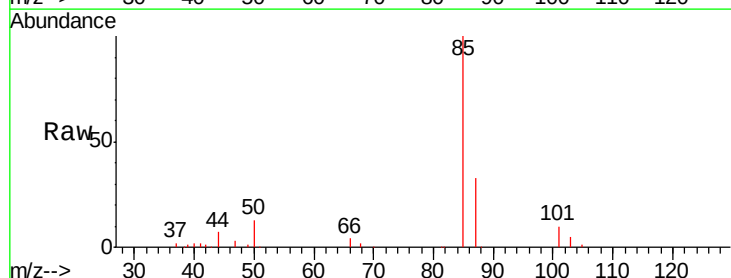
Acq: 24 Sep 2019 19:57

Tgt Ion: 85 Resp: 79041

Ion Ratio Lower Upper

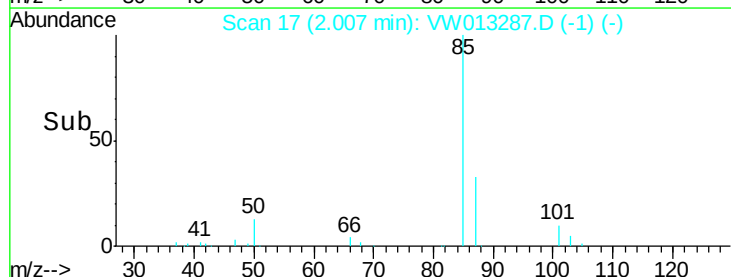
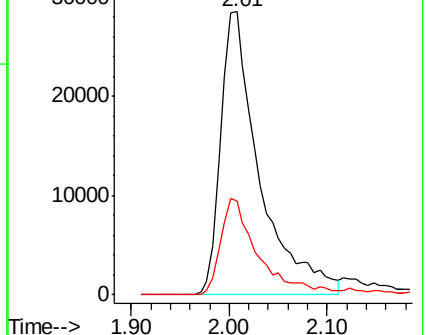
85 100

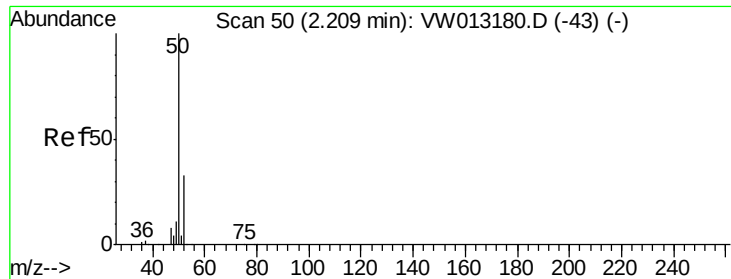
87 33.0 15.1 45.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 42.565 ug/l

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW013287.D

Acq: 24 Sep 2019 19:57

Instrument :

MSVOA_W

ClientSampleId :

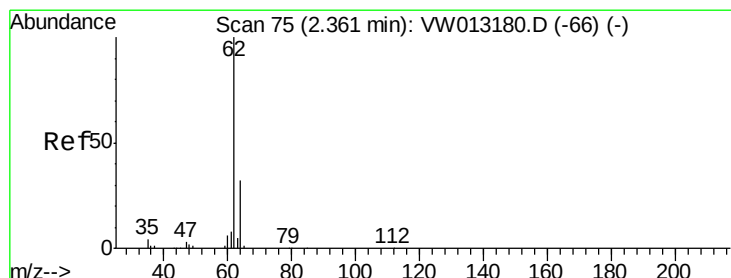
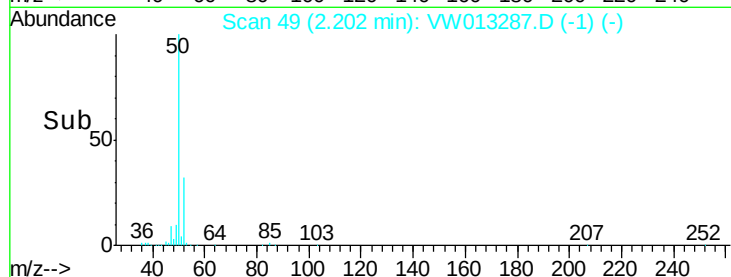
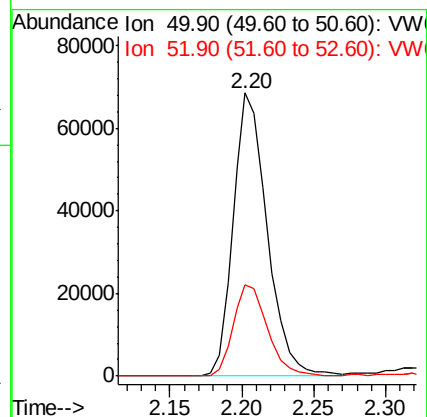
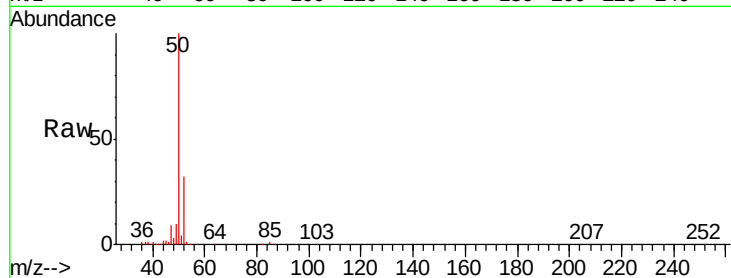
VSTDCCC050EC

Tgt Ion: 50 Resp: 112156

Ion Ratio Lower Upper

50 100

52 32.2 26.1 39.1



#4

Vinyl Chloride

Concen: 44.905 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW013287.D

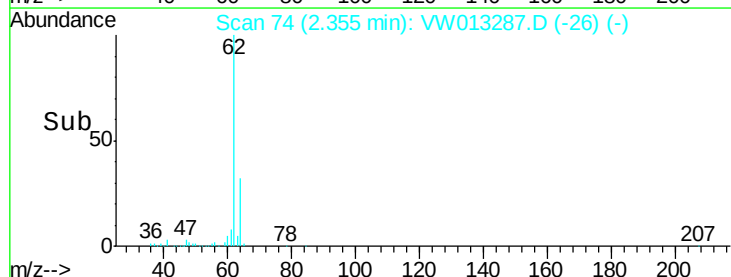
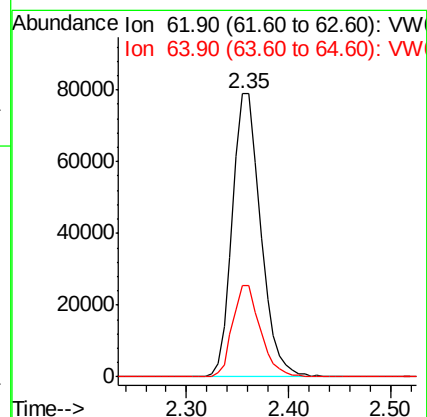
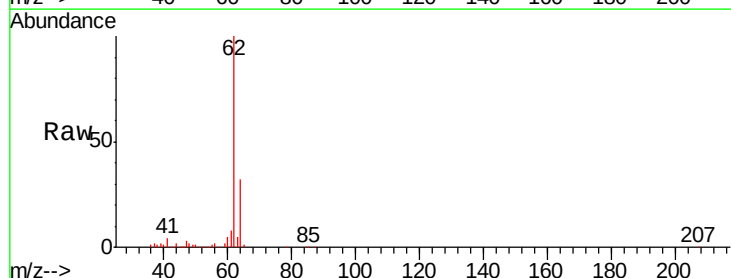
Acq: 24 Sep 2019 19:57

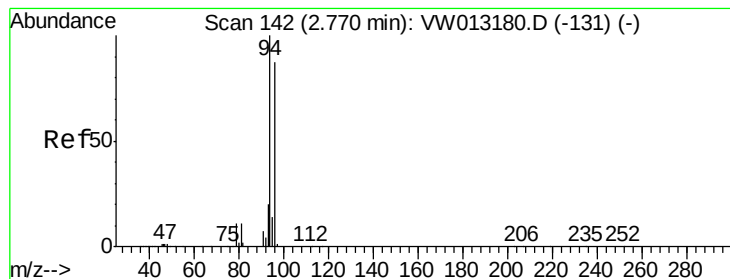
Tgt Ion: 62 Resp: 152541

Ion Ratio Lower Upper

62 100

64 32.4 25.3 37.9





#5

Bromomethane

Concen: 44.735 ug/l

RT: 2.75 min Scan# 139

Delta R.T. -0.02 min

Lab File: VW013287.D

Acq: 24 Sep 2019 19:57

Instrument :

MSVOA_W

ClientSampleId :

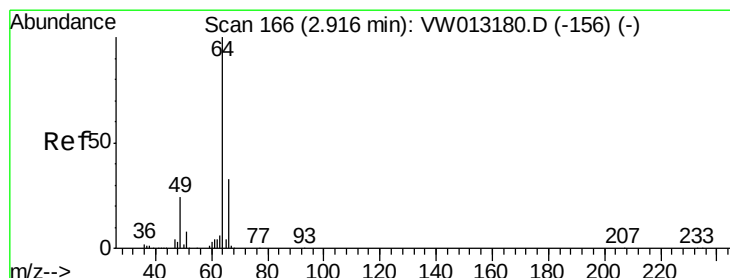
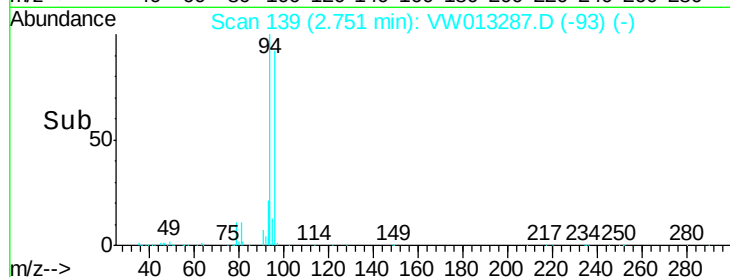
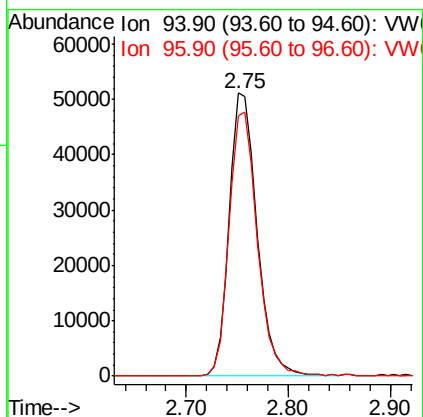
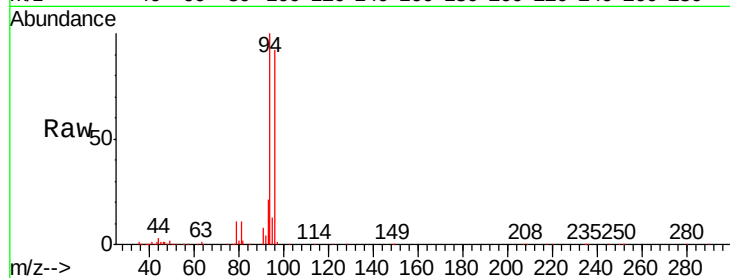
VSTDCCC050EC

Tgt Ion: 94 Resp: 96301

Ion Ratio Lower Upper

94 100

96 91.8 69.7 104.5



#6

Chloroethane

Concen: 46.488 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW013287.D

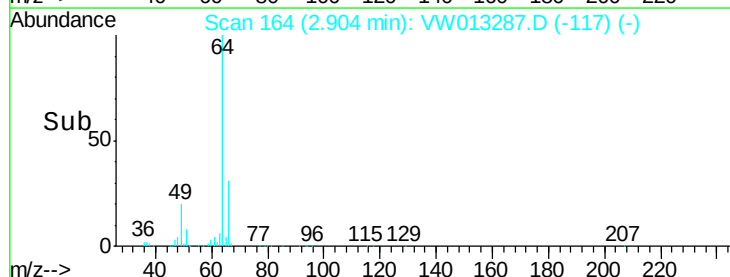
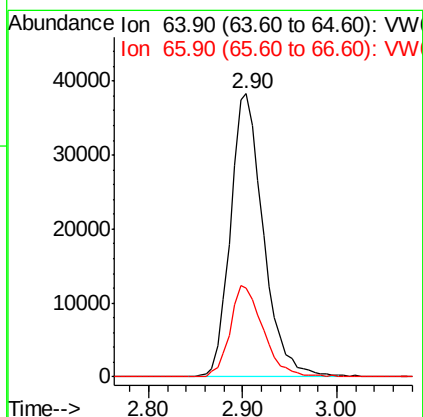
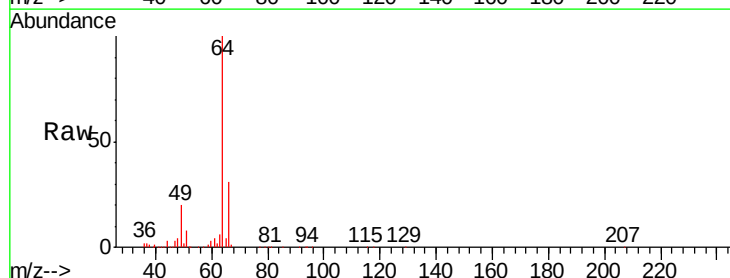
Acq: 24 Sep 2019 19:57

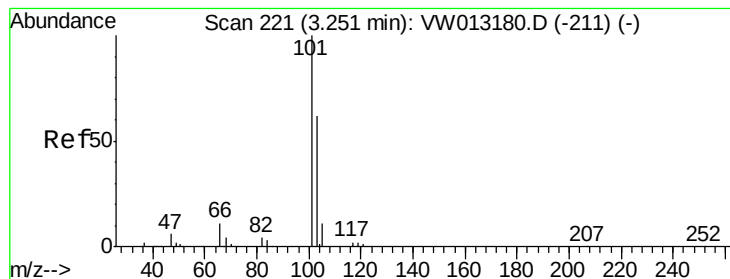
Tgt Ion: 64 Resp: 93084

Ion Ratio Lower Upper

64 100

66 31.4 26.6 39.8



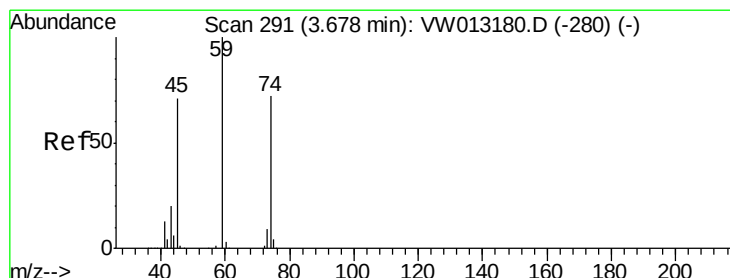
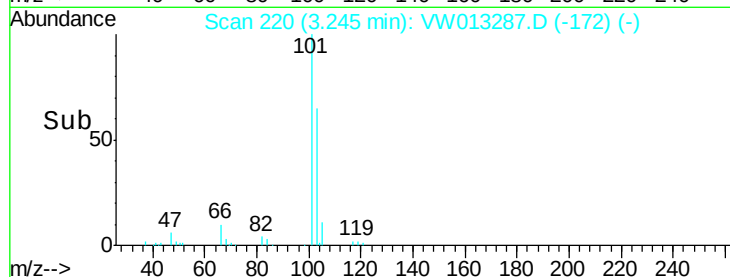
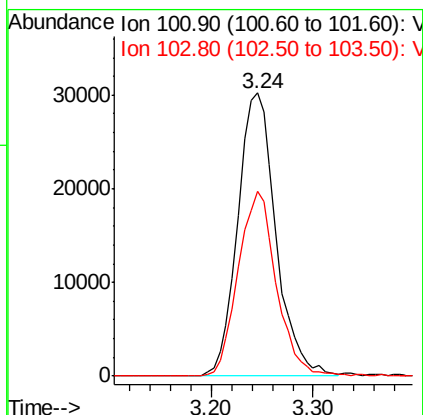
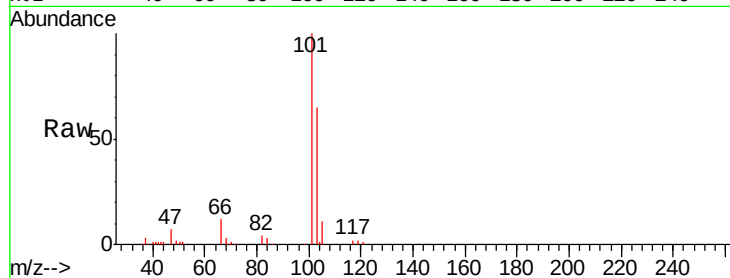


#7

Trichlorofluoromethane
 Concen: 40.069 ug/l
 RT: 3.24 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW013287.D
 Acq: 24 Sep 2019 19:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

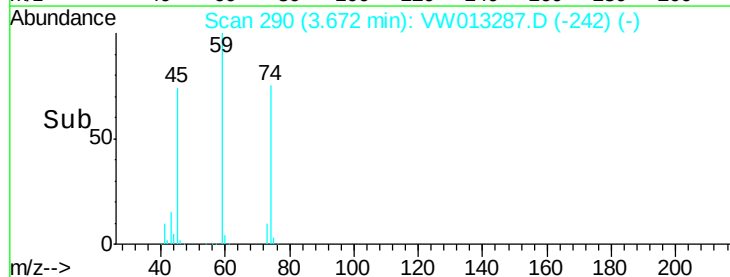
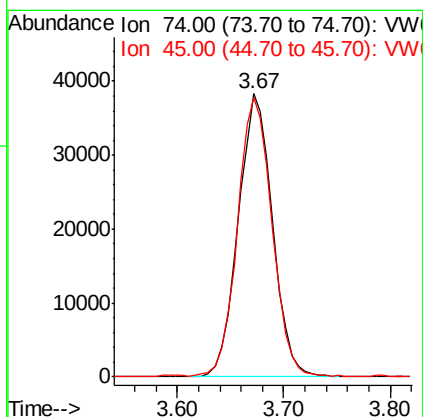
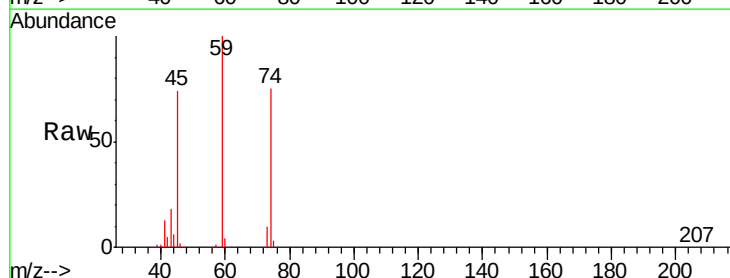
Tgt Ion: 101 Resp: 78485
 Ion Ratio Lower Upper
 101 100
 103 65.4 49.7 74.5

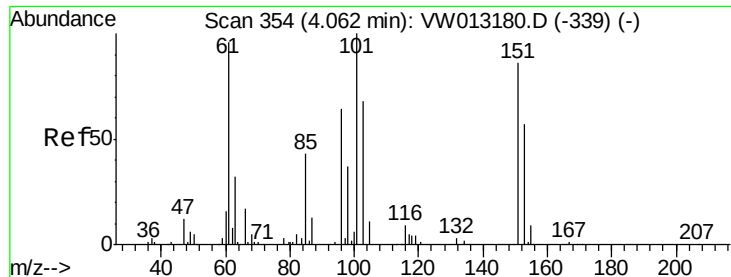


#8

Diethyl Ether
 Concen: 51.775 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW013287.D
 Acq: 24 Sep 2019 19:57

Tgt Ion: 74 Resp: 86624
 Ion Ratio Lower Upper
 74 100
 45 99.5 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.770 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW013287.D

Acq: 24 Sep 2019 19:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

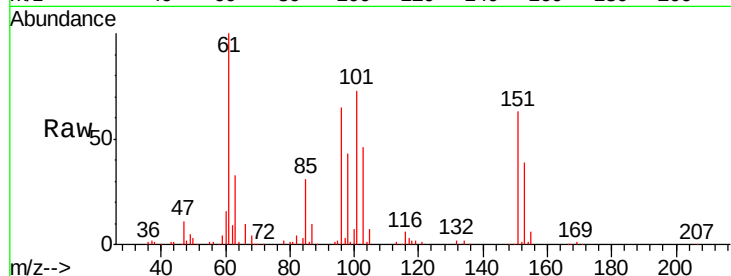
Tgt Ion:101 Resp: 149151

Ion Ratio Lower Upper

101 100

85 40.8 33.4 50.0

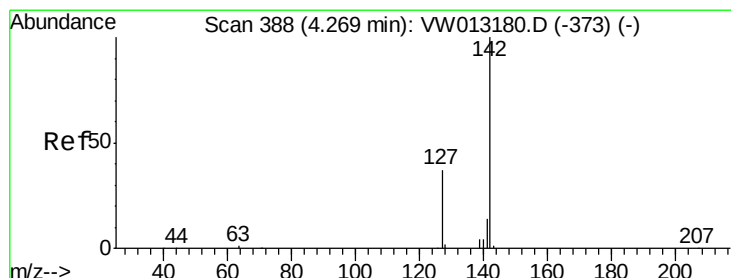
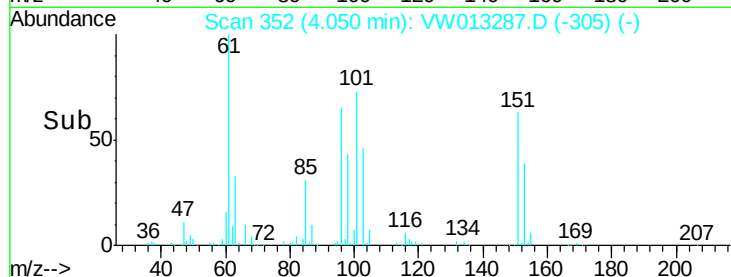
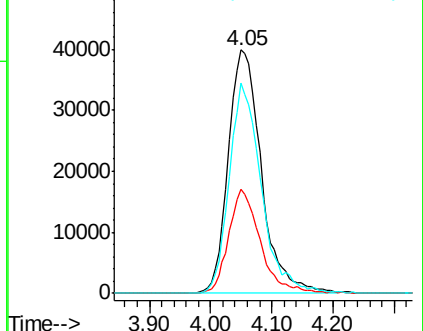
151 83.7 66.9 100.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 48.525 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW013287.D

Acq: 24 Sep 2019 19:57

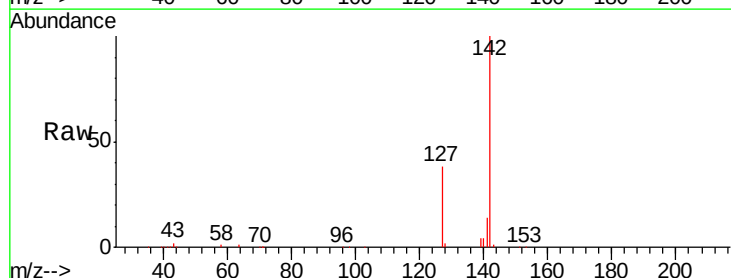
Tgt Ion:142 Resp: 239917

Ion Ratio Lower Upper

142 100

127 38.3 30.9 46.3

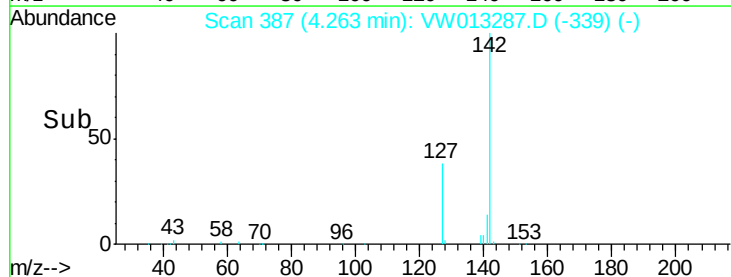
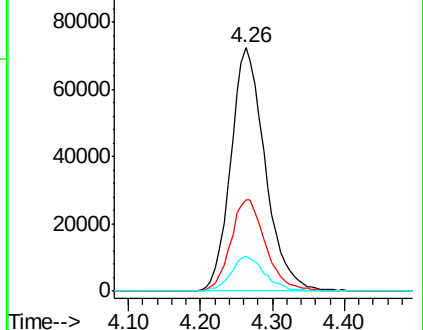
141 14.3 11.7 17.5

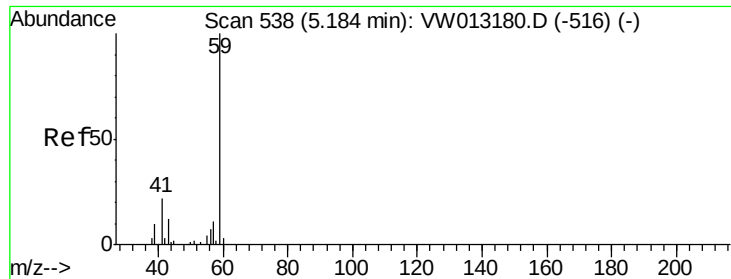


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

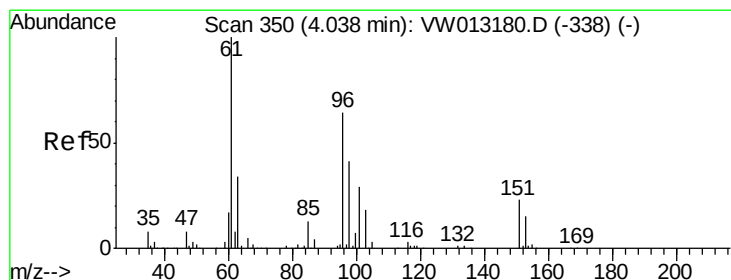
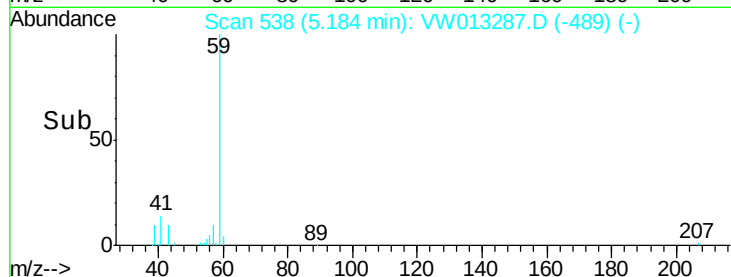
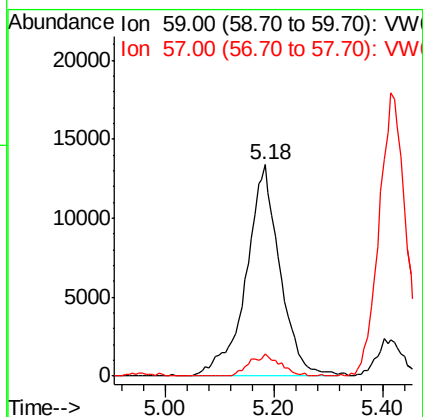
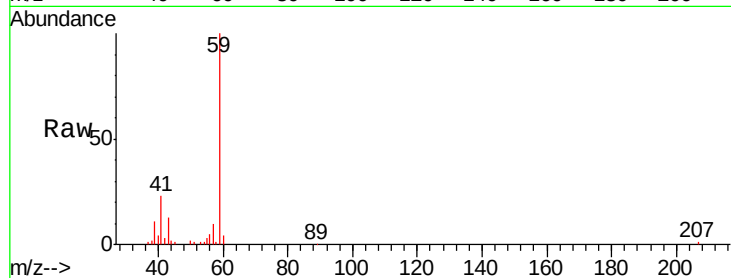




#11
Tert butyl alcohol
Concen: 277.552 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.00 min
Lab File: VW013287.D
Acq: 24 Sep 2019 19:57

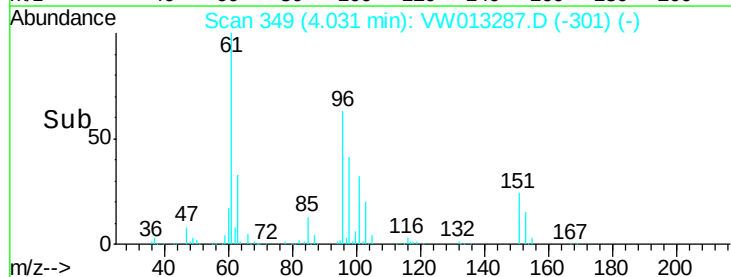
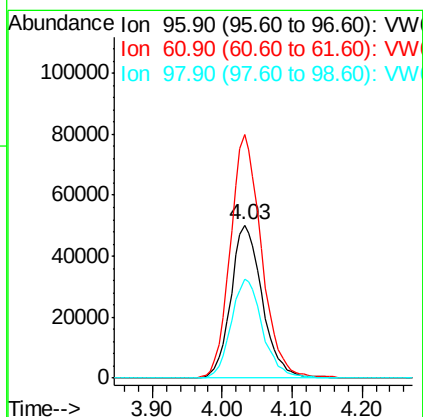
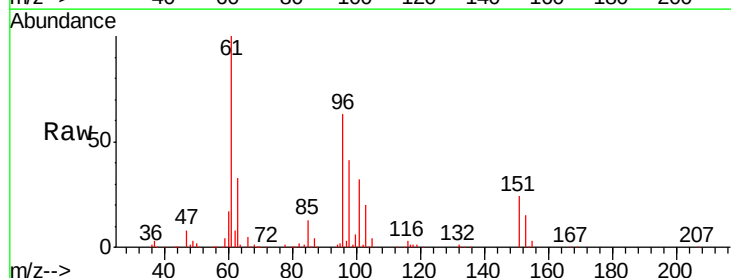
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

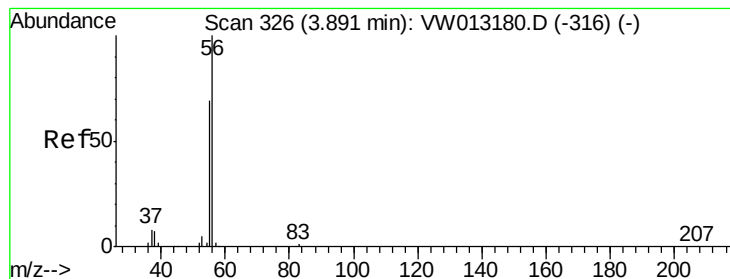
Tgt Ion: 59 Resp: 57712
Ion Ratio Lower Upper
59 100
57 9.4 8.2 12.2



#12
1,1-Dichloroethene
Concen: 47.175 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW013287.D
Acq: 24 Sep 2019 19:57

Tgt Ion: 96 Resp: 155787
Ion Ratio Lower Upper
96 100
61 158.7 125.1 187.7
98 64.5 50.8 76.2





#13

Acrolein

Concen: 212.061 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW013287.D

Acq: 24 Sep 2019 19:57

Instrument :

MSVOA_W

ClientSampleId :

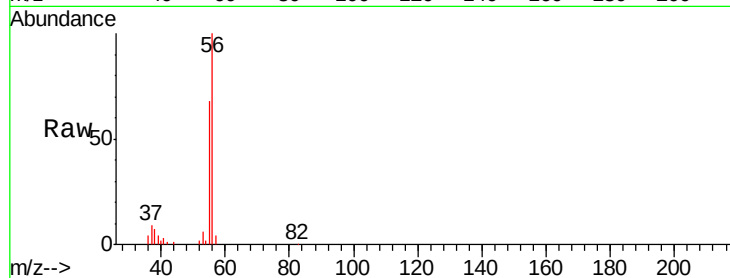
VSTDCCC050EC

Tgt Ion: 56 Resp: 35403

Ion Ratio Lower Upper

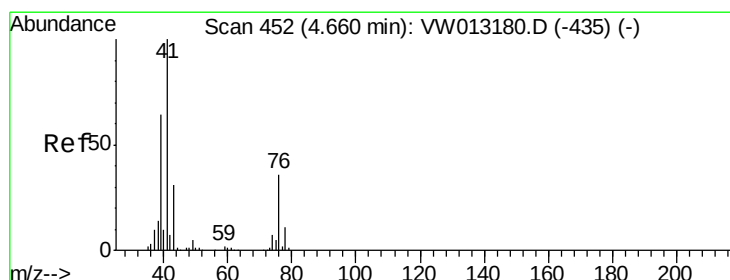
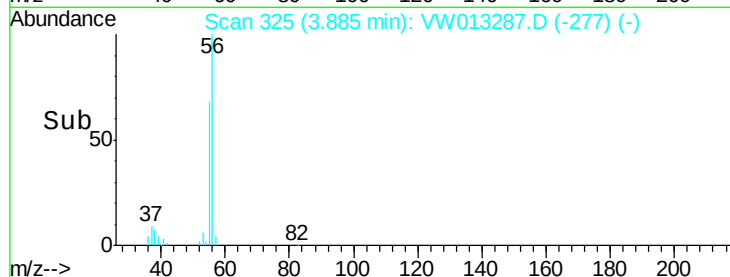
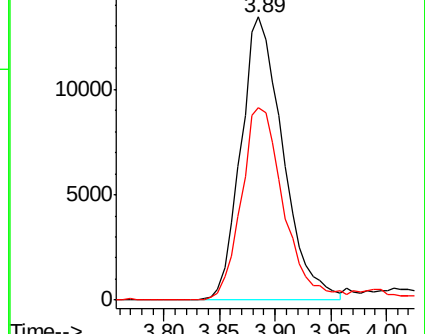
56 100

55 68.4 55.4 83.0



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 48.291 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW013287.D

Acq: 24 Sep 2019 19:57

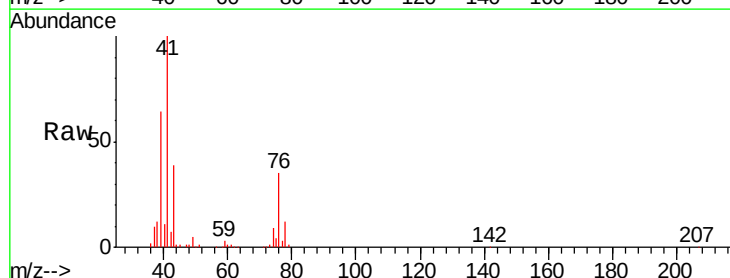
Tgt Ion: 41 Resp: 253799

Ion Ratio Lower Upper

41 100

39 62.9 51.0 76.4

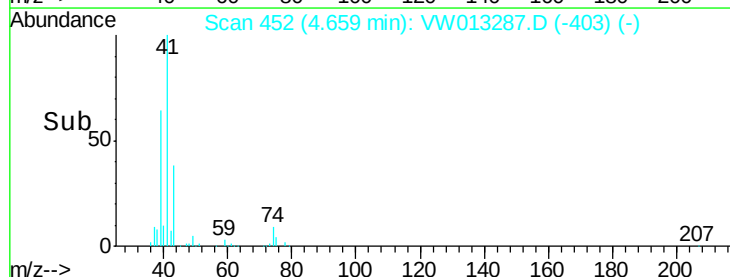
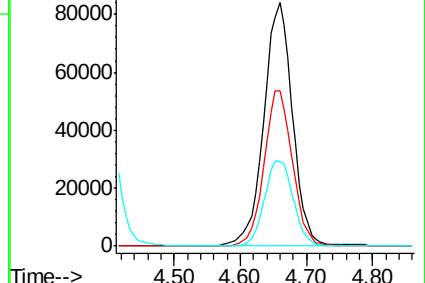
76 35.4 28.4 42.6

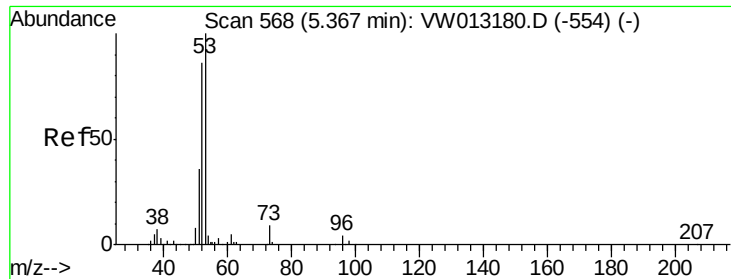


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 269.727 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW013287.D

Acq: 24 Sep 2019 19:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

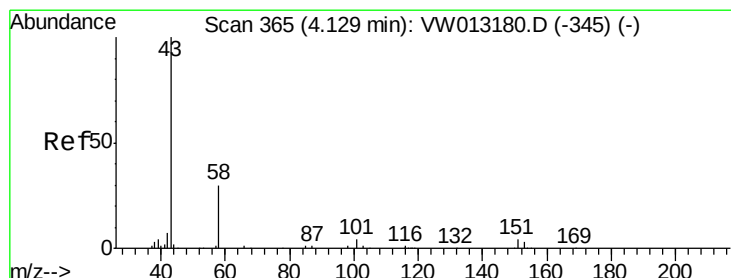
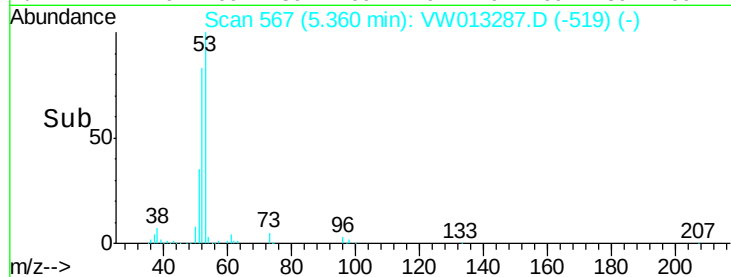
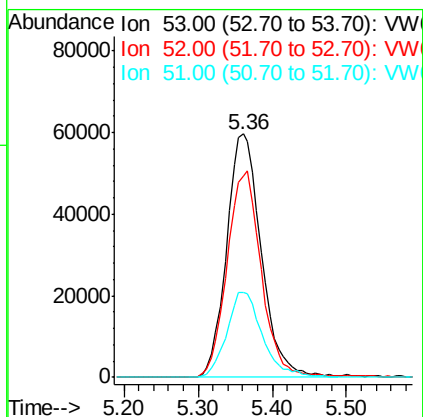
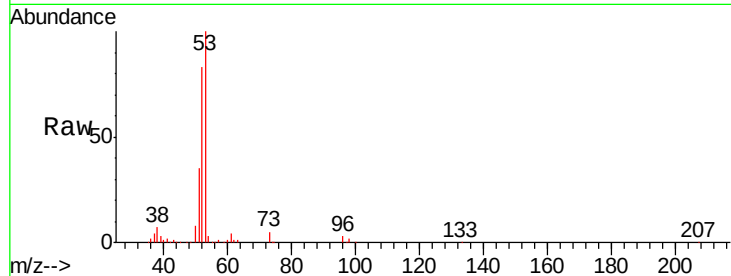
Tgt Ion: 53 Resp: 194781

Ion Ratio Lower Upper

53 100

52 83.6 65.3 97.9

51 35.9 29.0 43.4



#16

Acetone

Concen: 233.135 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW013287.D

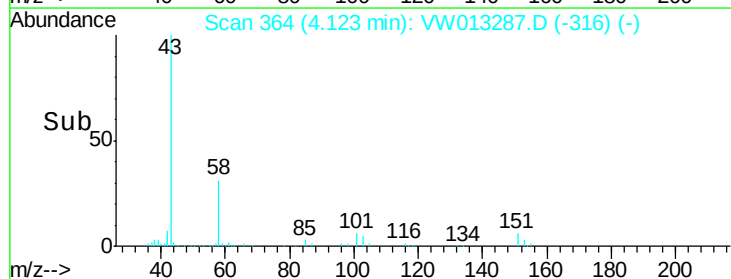
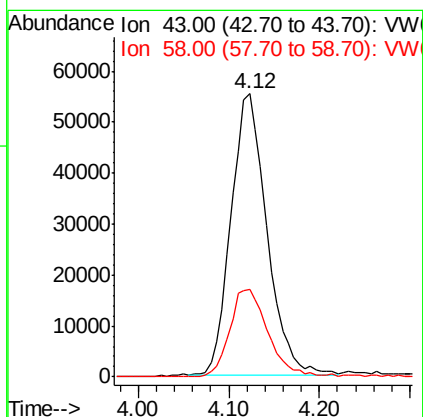
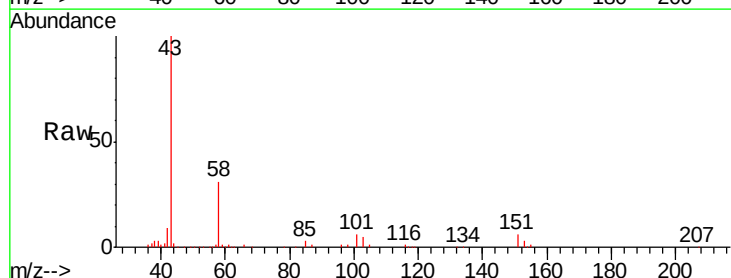
Acq: 24 Sep 2019 19:57

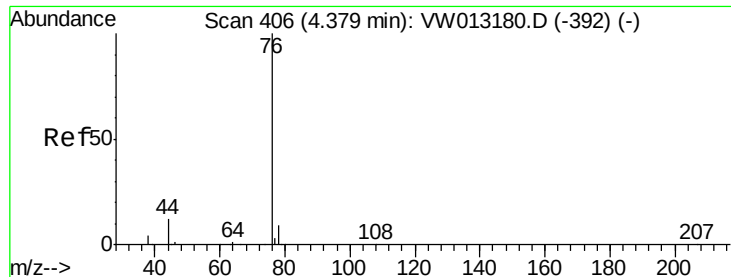
Tgt Ion: 43 Resp: 152474

Ion Ratio Lower Upper

43 100

58 31.0 24.1 36.1





#17

Carbon Disulfide

Concen: 45.657 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW013287.D

Acq: 24 Sep 2019 19:57

Instrument :

MSVOA_W

ClientSampleId :

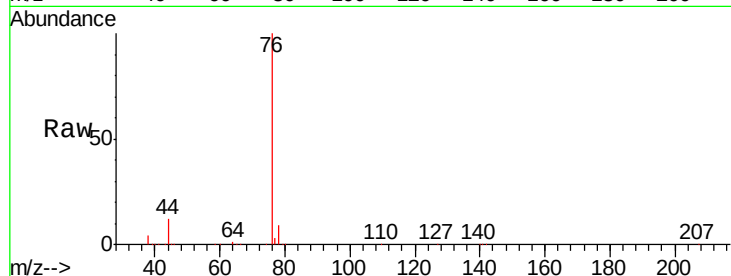
VSTDCCC050EC

Tgt Ion: 76 Resp: 435786

Ion Ratio Lower Upper

76 100

78 9.2 7.0 10.4



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.38

150000

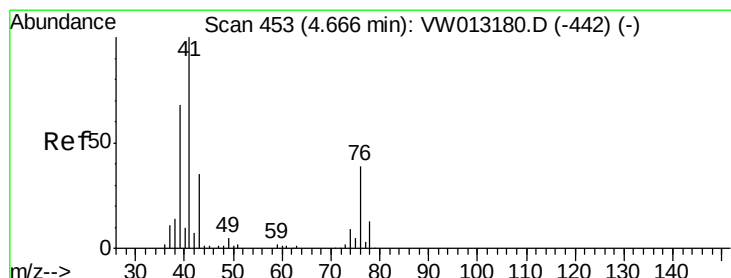
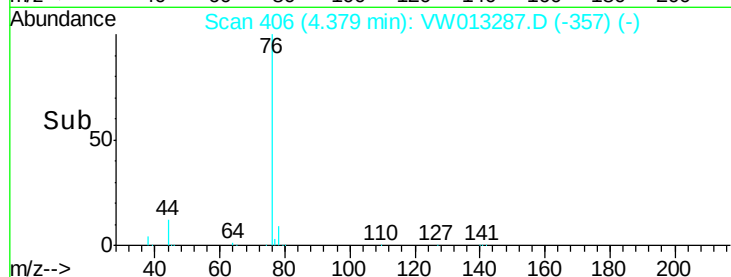
100000

50000

0

4.20 4.30 4.40 4.50 4.60

Time-->



#18

Methyl Acetate

Concen: 54.199 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW013287.D

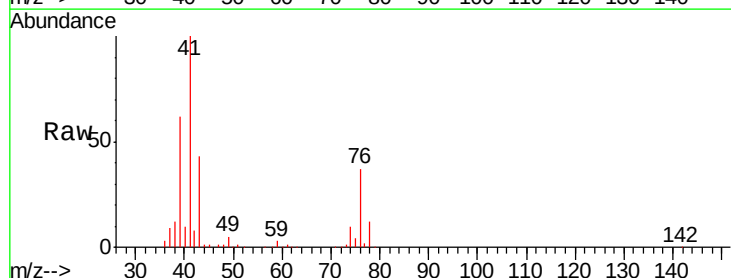
Acq: 24 Sep 2019 19:57

Tgt Ion: 43 Resp: 99641

Ion Ratio Lower Upper

43 100

74 23.8 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

30000

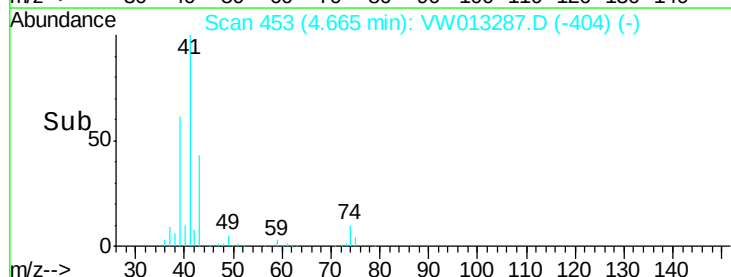
20000

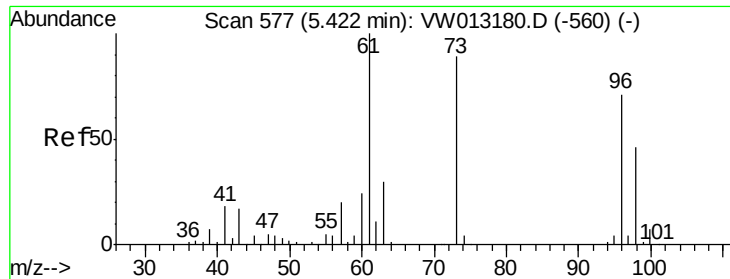
10000

0

4.50 4.60 4.70 4.80

Time-->



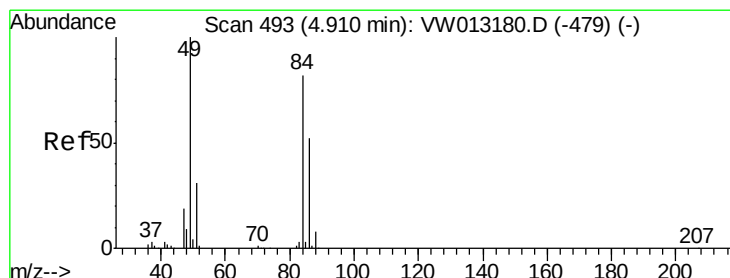
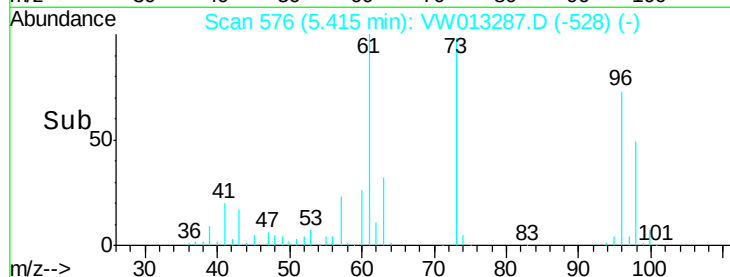
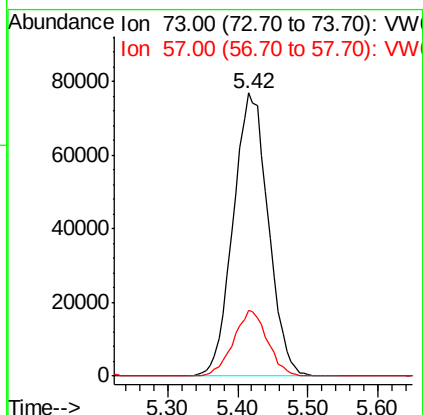
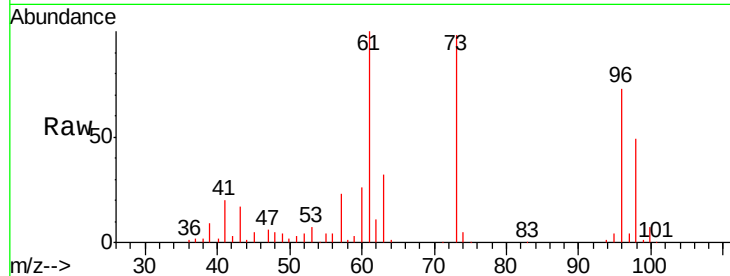


#19

Methyl tert-butyl Ether
 Concen: 52.776 ug/l
 RT: 5.42 min Scan# 576
 Delta R.T. -0.01 min
 Lab File: VW013287.D
 Acq: 24 Sep 2019 19:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

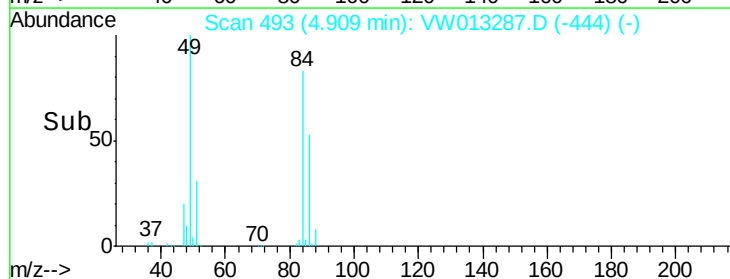
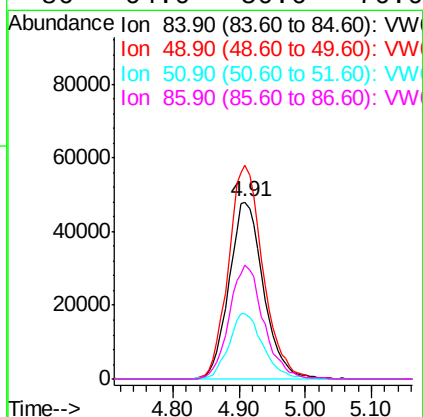
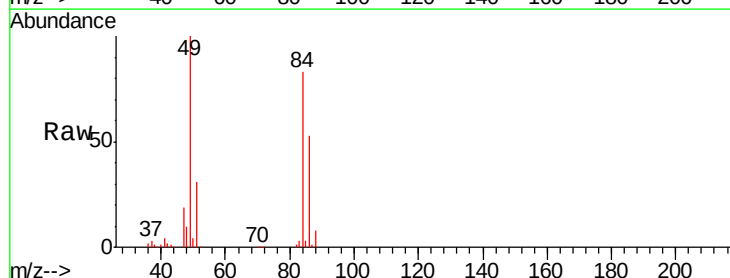
Tgt Ion: 73 Resp: 267108
 Ion Ratio Lower Upper
 73 100
 57 23.3 17.6 26.4

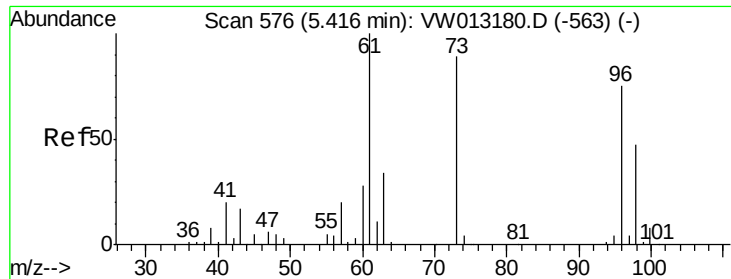


#20

Methylene Chloride
 Concen: 51.923 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. 0.00 min
 Lab File: VW013287.D
 Acq: 24 Sep 2019 19:57

Tgt Ion: 84 Resp: 173299
 Ion Ratio Lower Upper
 84 100
 49 120.4 97.6 146.4
 51 37.1 30.2 45.2
 86 64.0 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 48.492 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW013287.D

Acq: 24 Sep 2019 19:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

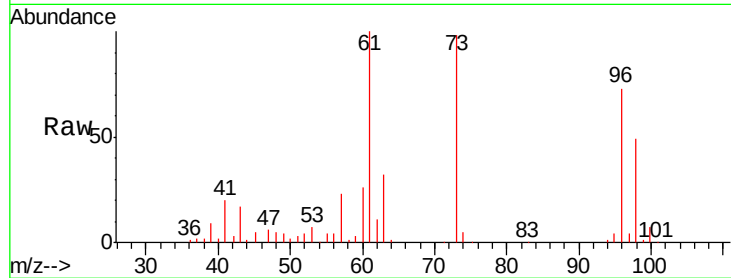
Tgt Ion: 96 Resp: 173077

Ion Ratio Lower Upper

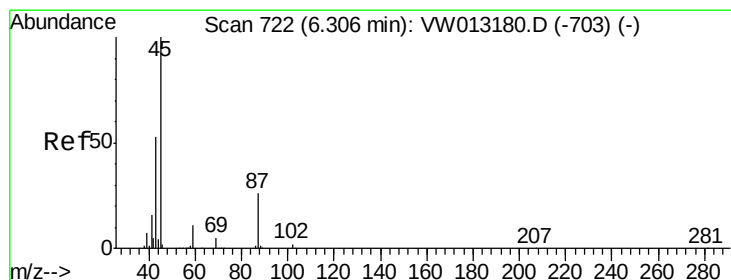
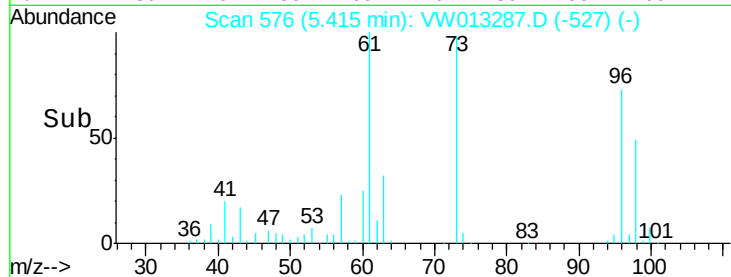
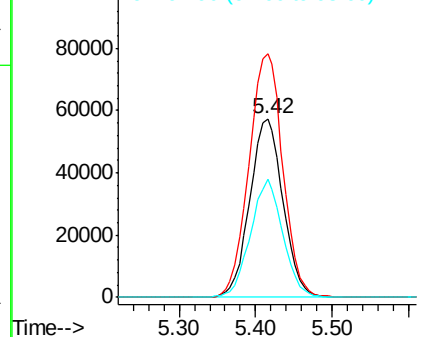
96 100

61 136.3 106.6 159.8

98 66.1 49.8 74.8



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



#22

Diisopropyl ether

Concen: 52.220 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW013287.D

Acq: 24 Sep 2019 19:57

Tgt Ion: 45 Resp: 521891

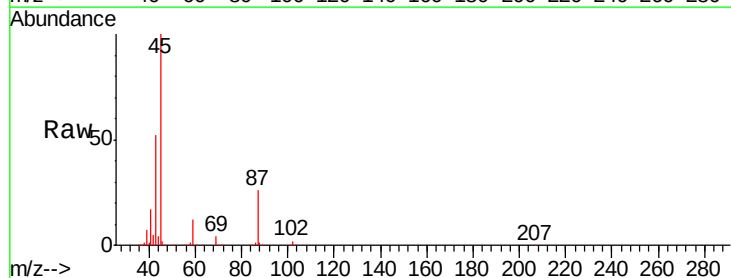
Ion Ratio Lower Upper

45 100

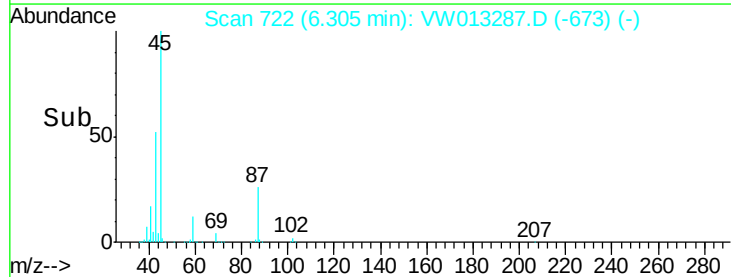
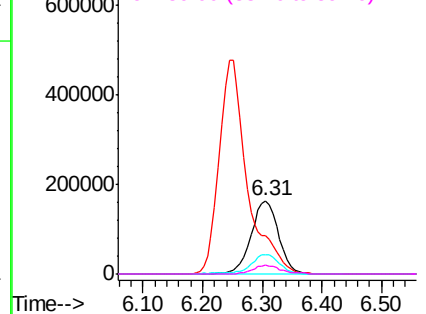
43 51.7 42.4 63.6

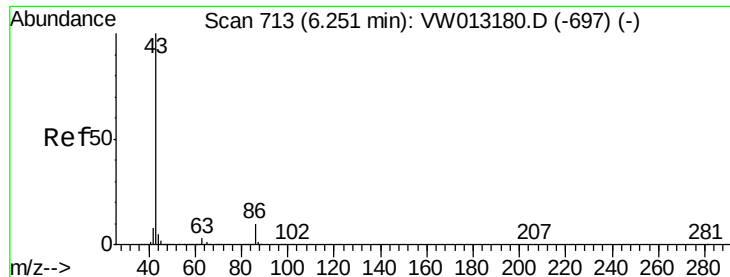
87 26.5 20.4 30.6

59 11.6 8.8 13.2



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





#23

Vinyl Acetate

Concen: 263.719 ug/l

RT: 6.24 min Scan# 712

Delta R.T. -0.01 min

Lab File: VW013287.D

Acq: 24 Sep 2019 19:57

Instrument :

MSVOA_W

ClientSampleId :

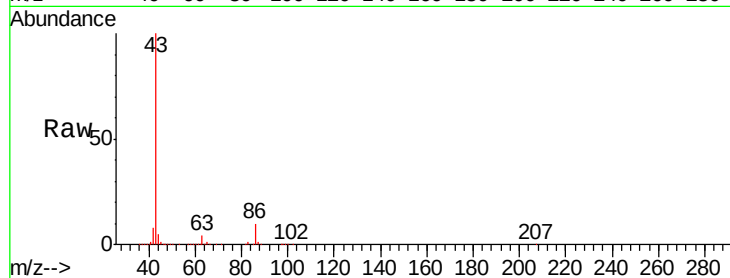
VSTDCCC050EC

Tgt Ion: 43 Resp: 1563580

Ion Ratio Lower Upper

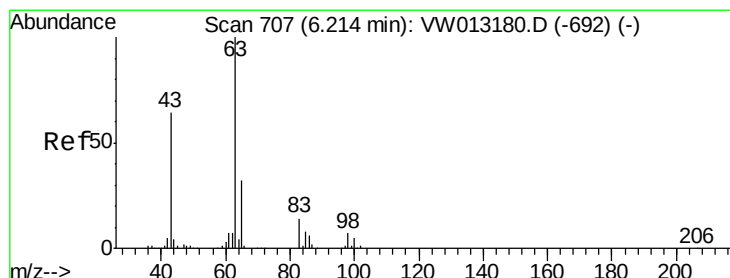
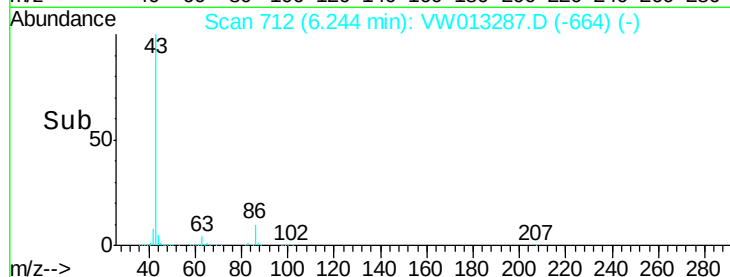
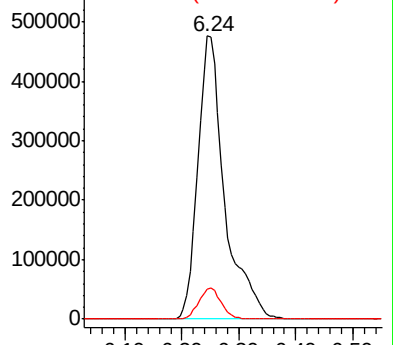
43 100

86 10.4 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 49.897 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW013287.D

Acq: 24 Sep 2019 19:57

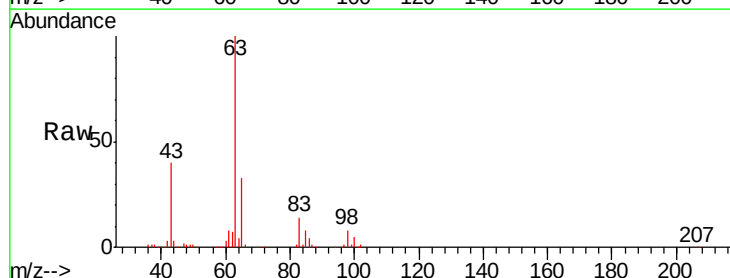
Tgt Ion: 63 Resp: 300908

Ion Ratio Lower Upper

63 100

98 7.6 3.5 10.5

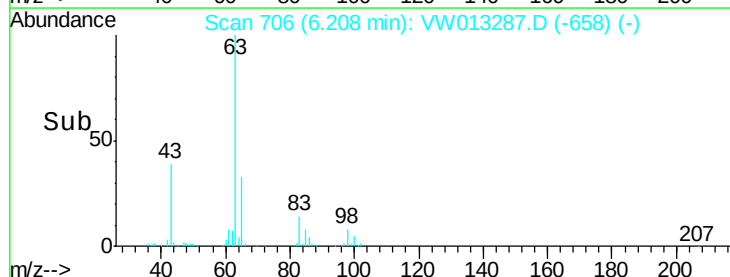
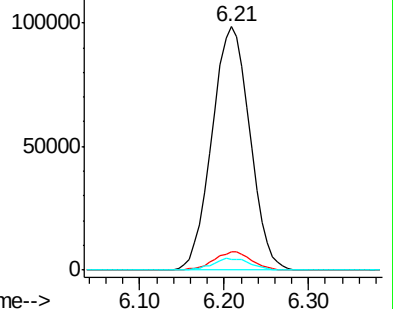
100 4.6 2.4 7.1

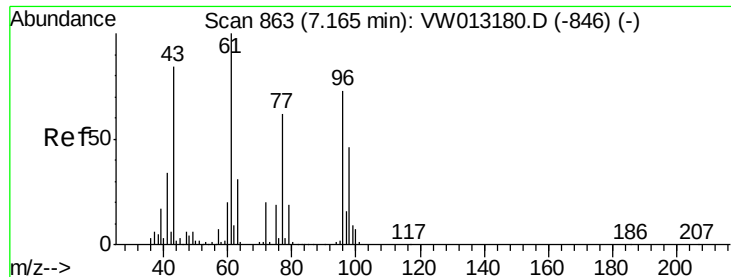


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 256.691 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013287.D

Acq: 24 Sep 2019 19:57

Instrument :

MSVOA_W

ClientSampleId :

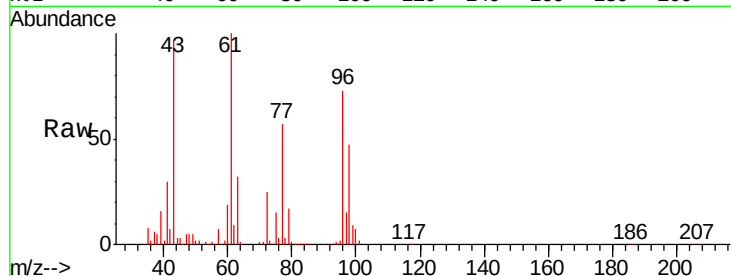
VSTDCCC050EC

Tgt Ion: 43 Resp: 252015

Ion Ratio Lower Upper

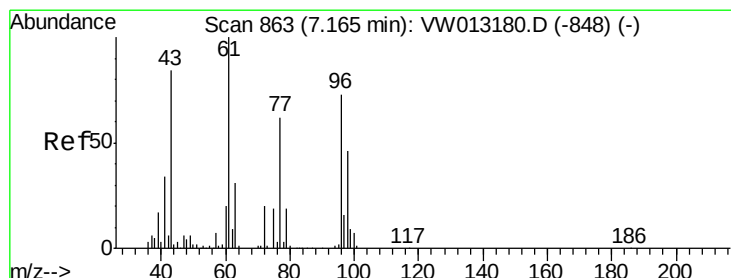
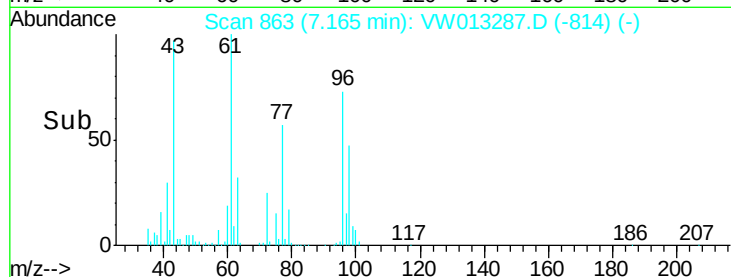
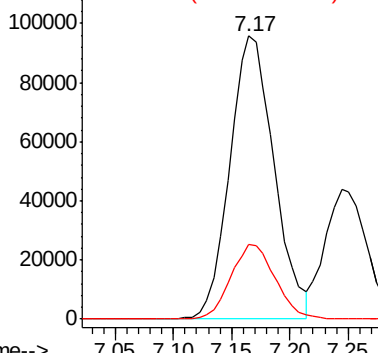
43 100

72 26.3 19.4 29.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 46.300 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW013287.D

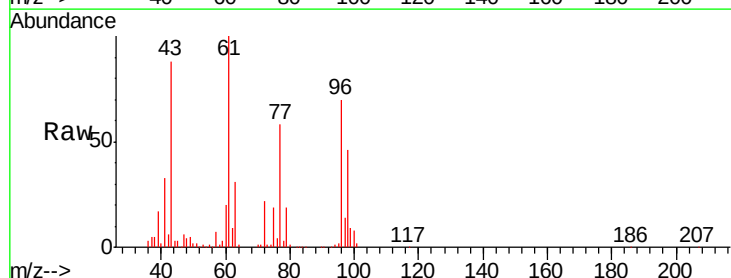
Acq: 24 Sep 2019 19:57

Tgt Ion: 77 Resp: 167955

Ion Ratio Lower Upper

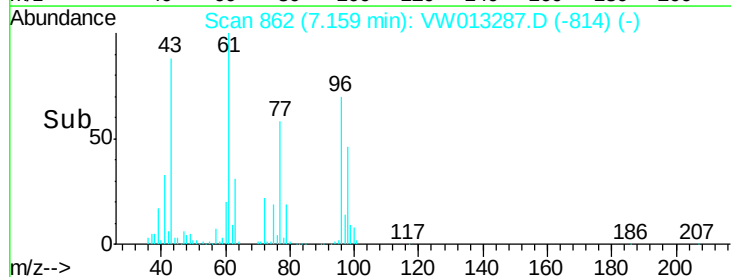
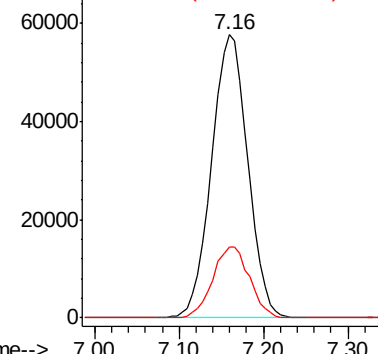
77 100

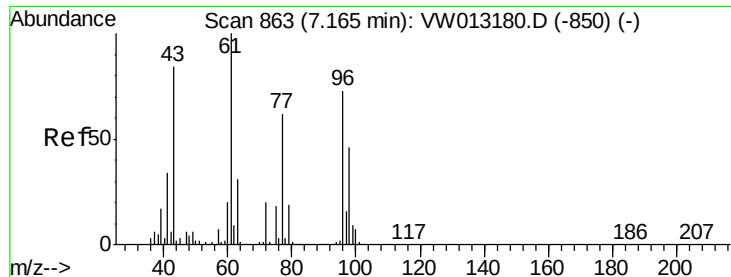
97 25.3 11.8 35.4



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



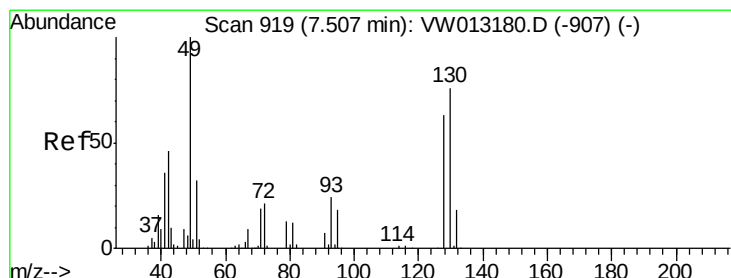
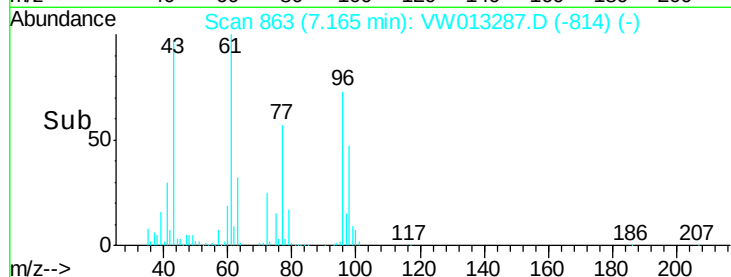
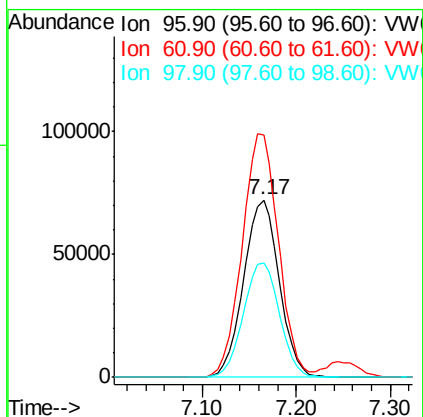
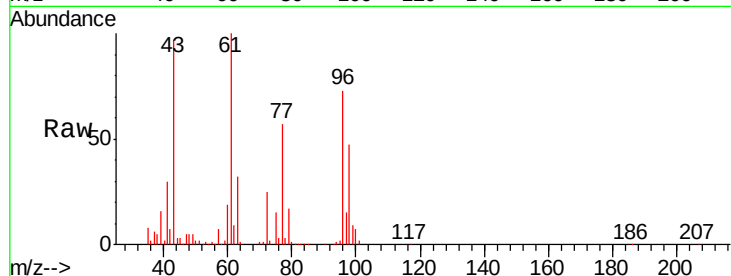


#27

cis-1,2-Dichloroethene
 Concen: 50.950 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW013287.D
 Acq: 24 Sep 2019 19:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

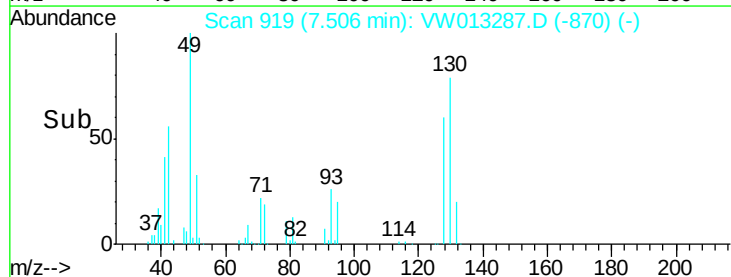
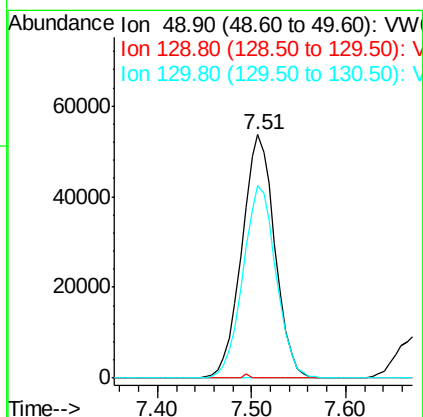
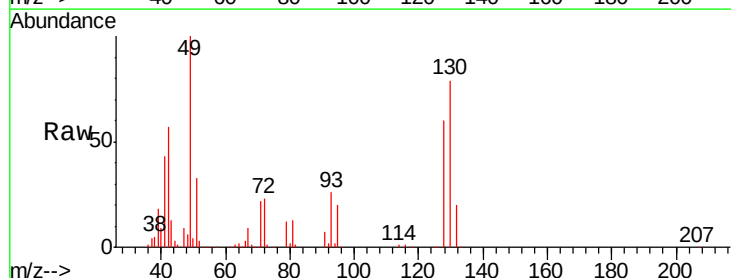
Tgt Ion	Ratio	Lower	Upper
96	100		
61	139.3	0.0	282.4
98	65.3	0.0	128.2

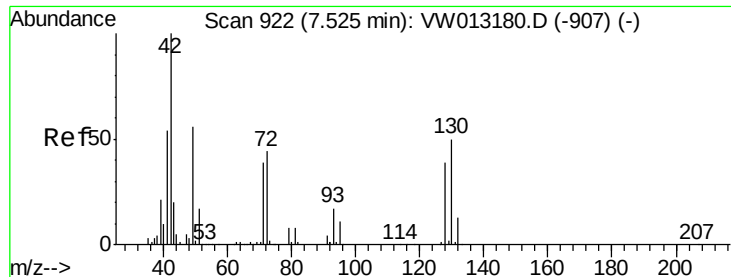


#28

Bromochloromethane
 Concen: 56.738 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VW013287.D
 Acq: 24 Sep 2019 19:57

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.2	0.0	1.0
130	79.7	63.4	95.2

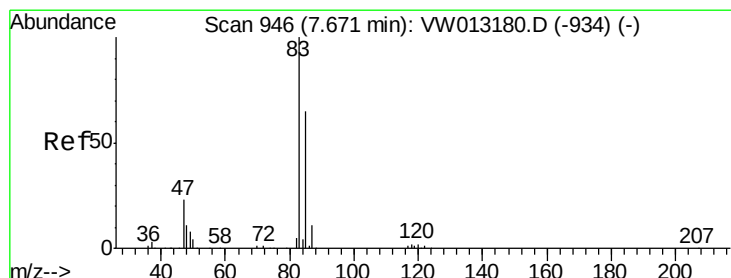
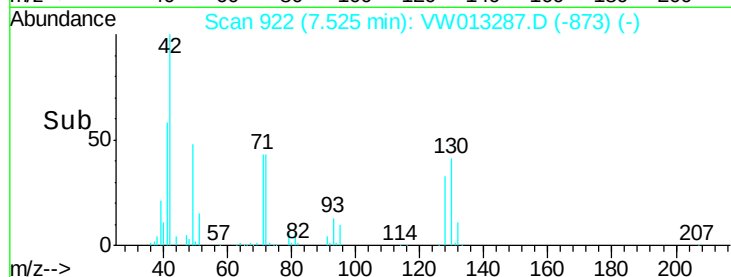
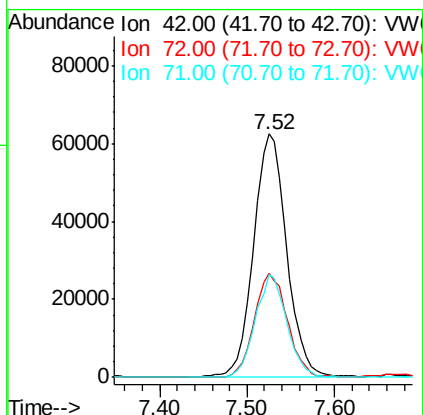
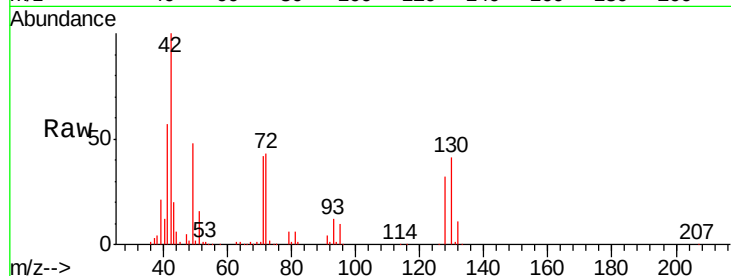




#29
Tetrahydrofuran
Concen: 273.624 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW013287.D
Acq: 24 Sep 2019 19:57

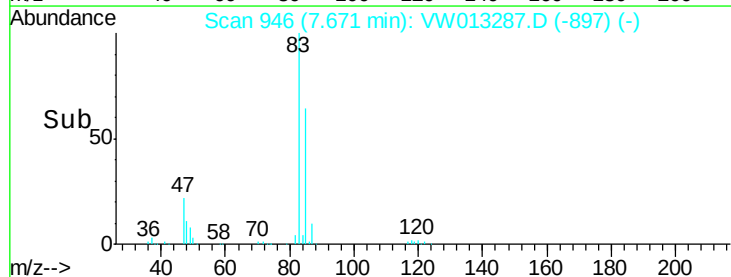
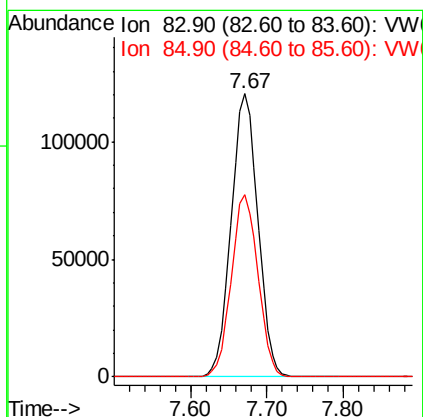
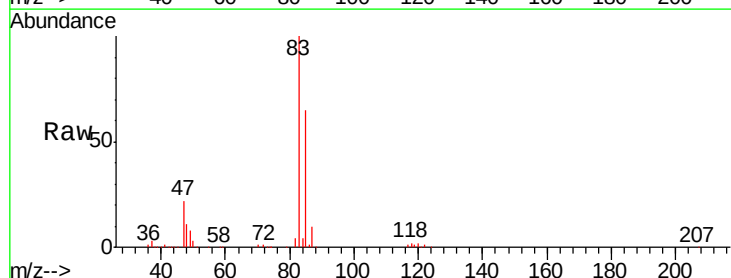
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

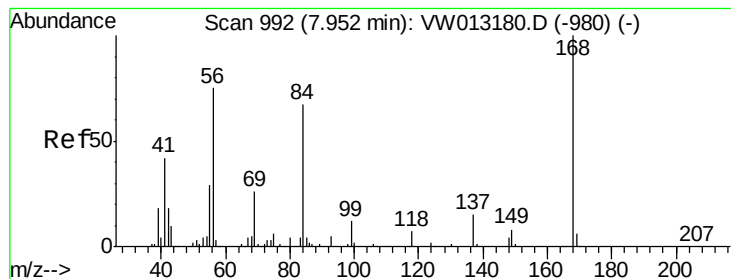
Tgt Ion: 42 Resp: 164748
Ion Ratio Lower Upper
42 100
72 42.8 33.9 50.9
71 40.5 31.9 47.9



#30
Chloroform
Concen: 49.402 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW013287.D
Acq: 24 Sep 2019 19:57

Tgt Ion: 83 Resp: 291685
Ion Ratio Lower Upper
83 100
85 64.6 52.3 78.5





#31

Cyclohexane

Concen: 45.525 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW013287.D

Acq: 24 Sep 2019 19:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

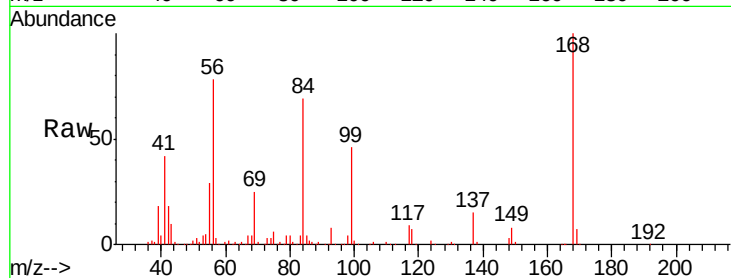
Tgt Ion: 56 Resp: 286184

Ion Ratio Lower Upper

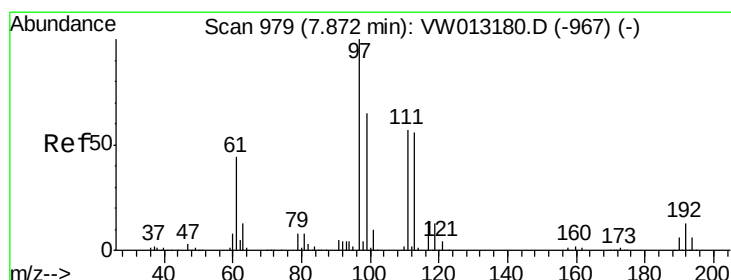
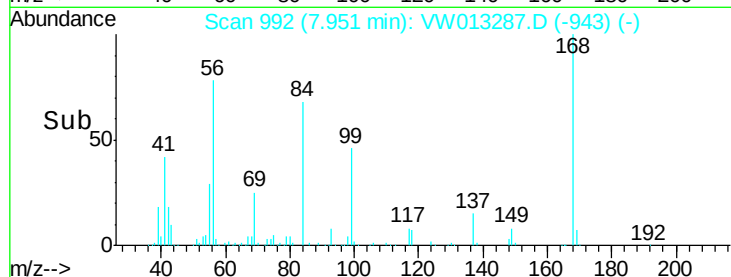
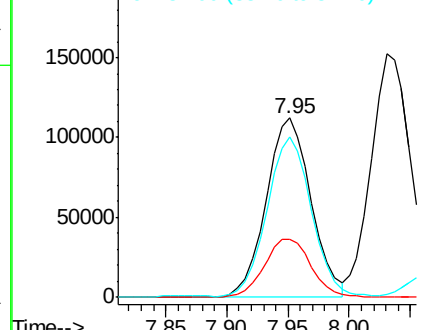
56 100

69 32.6 27.2 40.8

84 88.1 70.8 106.2



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: 47.798 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW013287.D

Acq: 24 Sep 2019 19:57

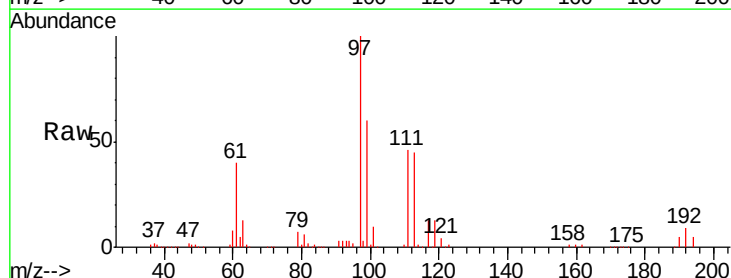
Tgt Ion: 97 Resp: 228570

Ion Ratio Lower Upper

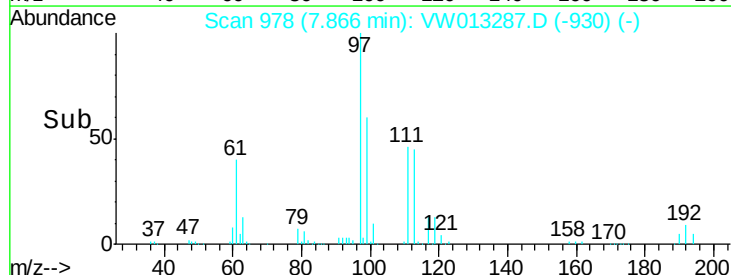
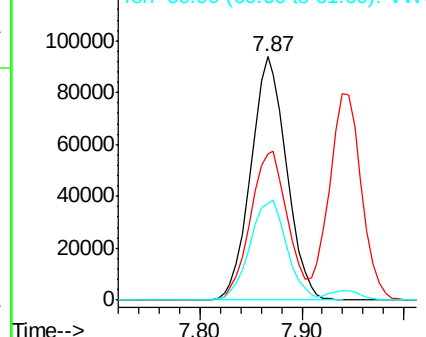
97 100

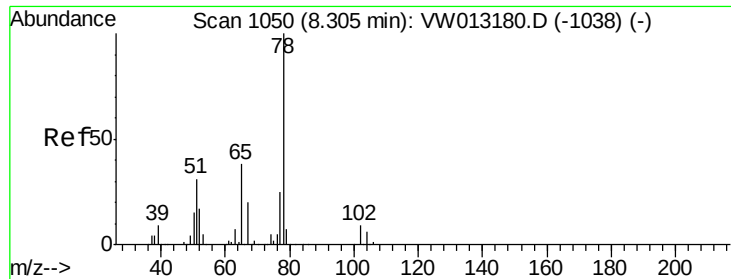
99 63.0 51.7 77.5

61 42.4 34.6 51.8



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

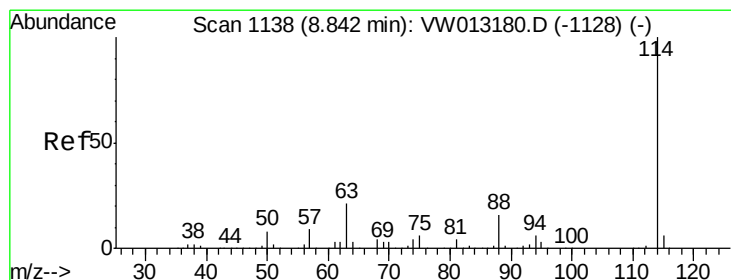
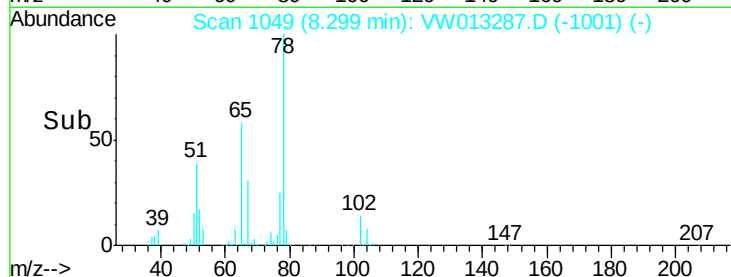
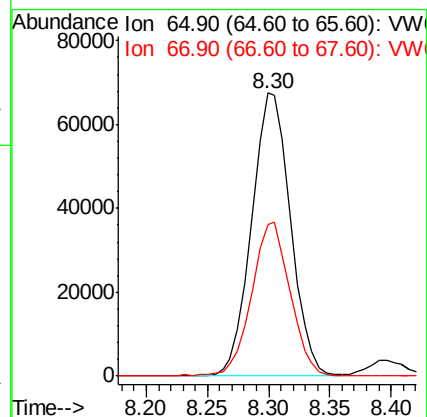
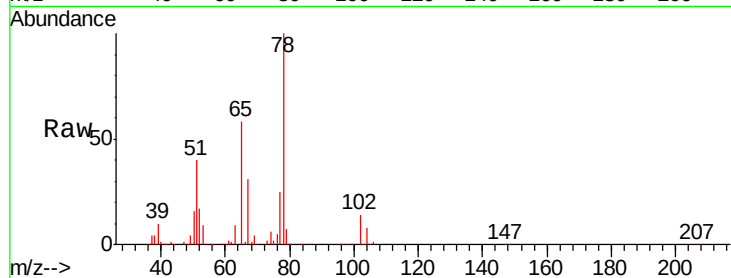




#33
 1,2-Dichloroethane-d4
 Concen: 51.593 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW013287.D
 Acq: 24 Sep 2019 19:57

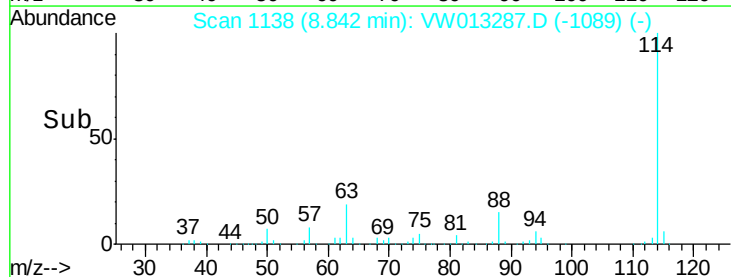
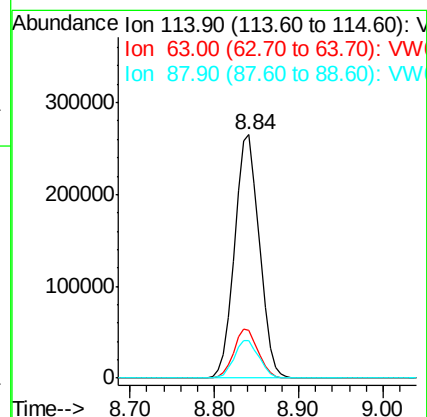
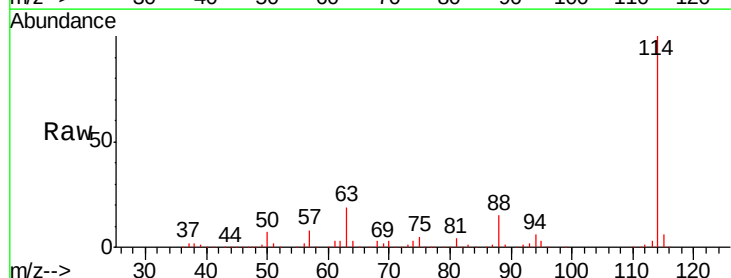
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

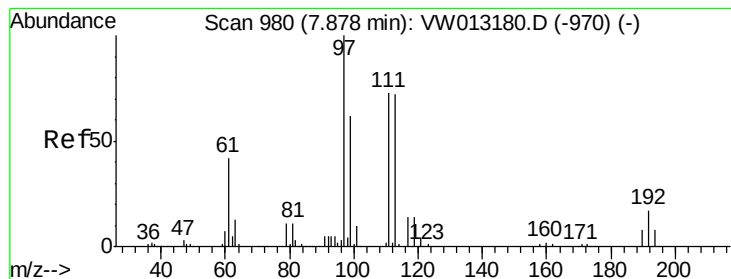
Tgt Ion: 65 Resp: 149627
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013287.D
 Acq: 24 Sep 2019 19:57

Tgt Ion: 114 Resp: 526116
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 41.4
 88 15.3 0.0 32.0





#35

Dibromofluoromethane

Concen: 51.651 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW013287.D

Acq: 24 Sep 2019 19:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

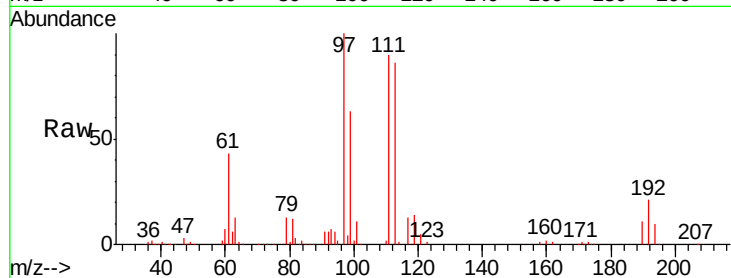
Tgt Ion: 113 Resp: 149460

Ion Ratio Lower Upper

113 100

111 104.7 81.9 122.9

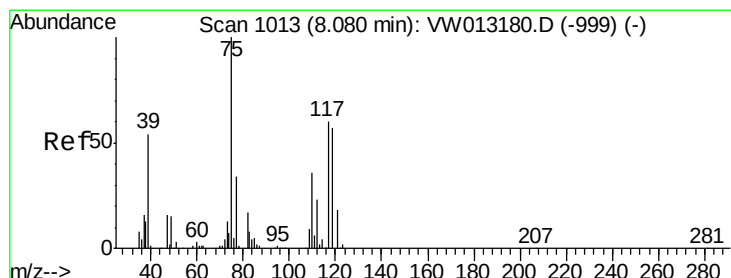
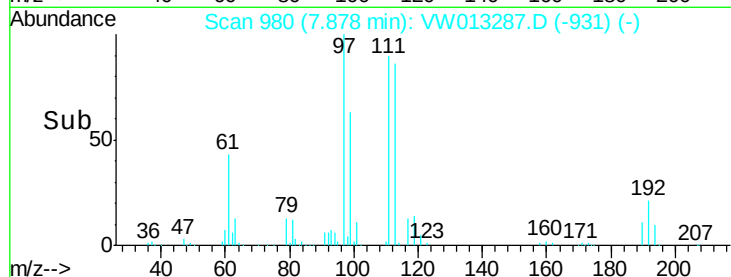
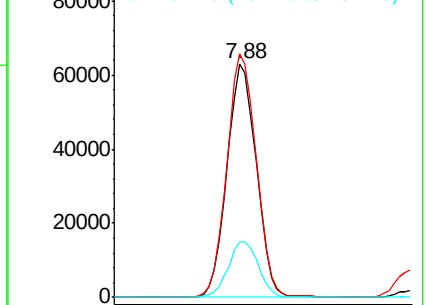
192 24.6 19.1 28.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 47.178 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW013287.D

Acq: 24 Sep 2019 19:57

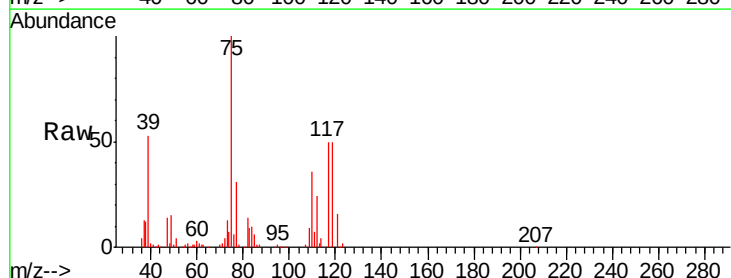
Tgt Ion: 75 Resp: 240411

Ion Ratio Lower Upper

75 100

110 35.9 18.1 54.3

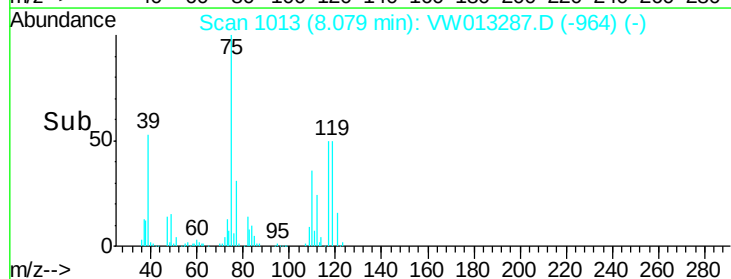
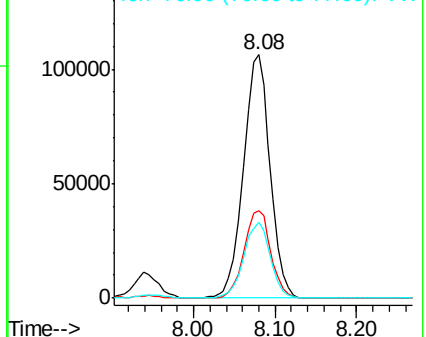
77 31.3 25.8 38.6

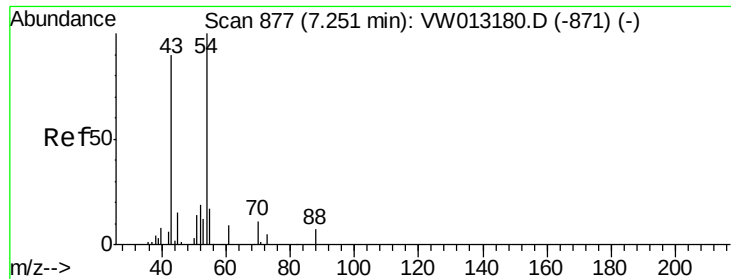


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

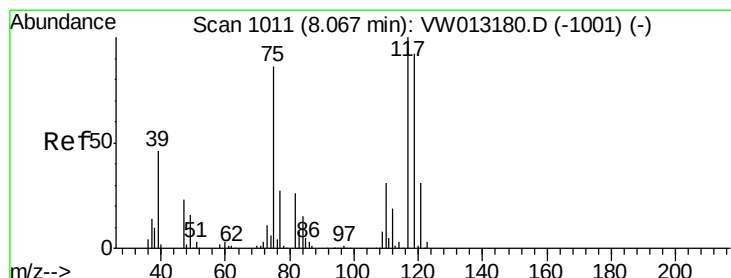
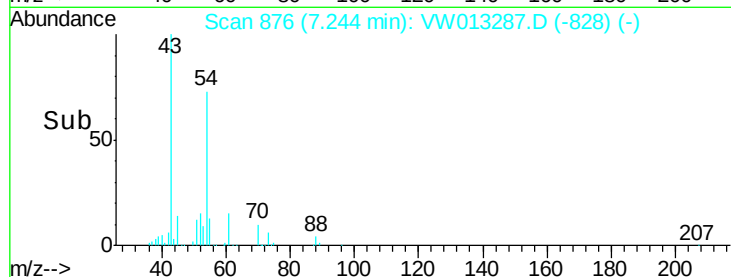
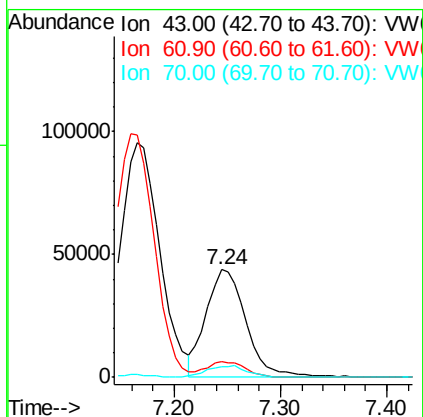
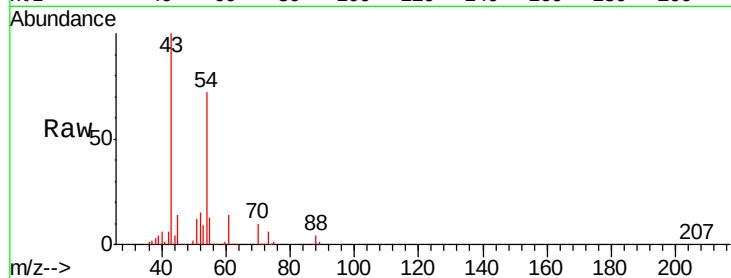




#37
Ethyl Acetate
Concen: 52.052 ug/l
RT: 7.24 min Scan# 876
Delta R.T. -0.01 min
Lab File: VW013287.D
Acq: 24 Sep 2019 19:57

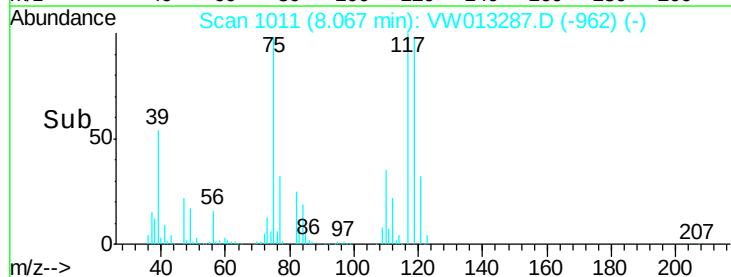
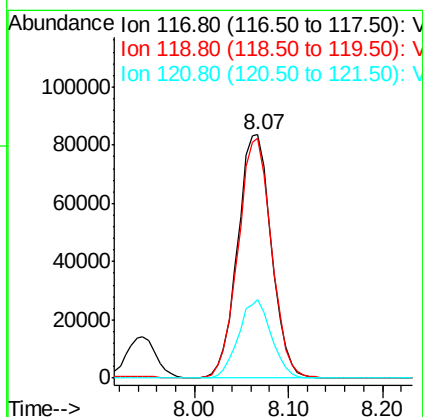
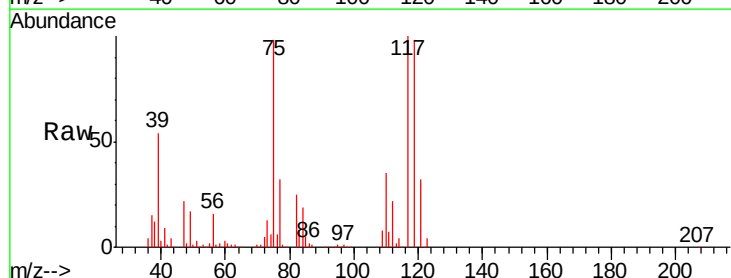
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

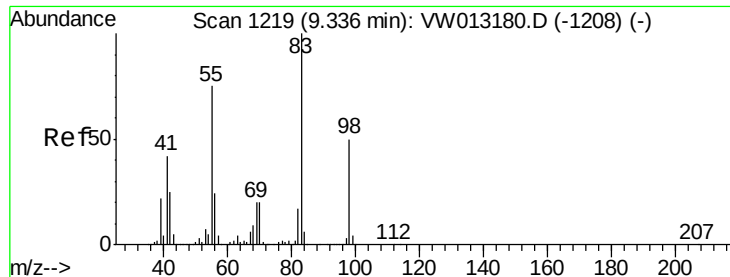
Tgt Ion: 43 Resp: 112731
Ion Ratio Lower Upper
43 100
61 14.0 10.9 16.3
70 10.8 8.2 12.2



#38
Carbon Tetrachloride
Concen: 45.864 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW013287.D
Acq: 24 Sep 2019 19:57

Tgt Ion: 117 Resp: 209510
Ion Ratio Lower Upper
117 100
119 98.3 73.5 110.3
121 32.0 25.0 37.6

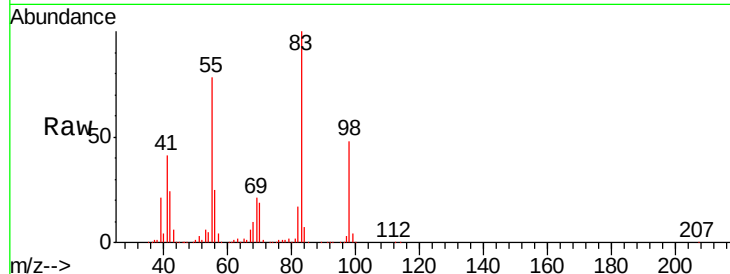




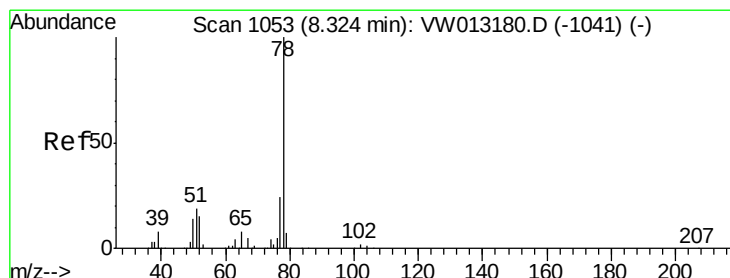
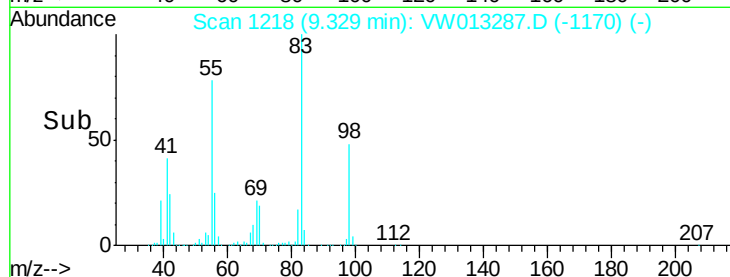
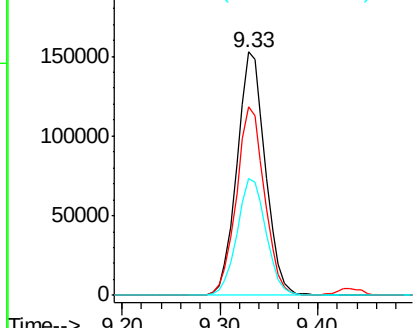
#39
Methylcyclohexane
Concen: 46.864 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW013287.D
Acq: 24 Sep 2019 19:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 306897
Ion Ratio Lower Upper
83 100
55 77.5 60.4 90.6
98 48.2 40.0 60.0

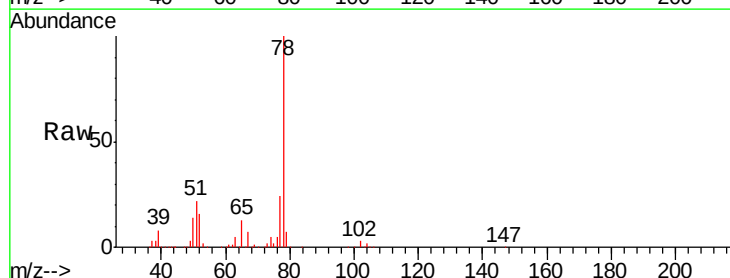


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

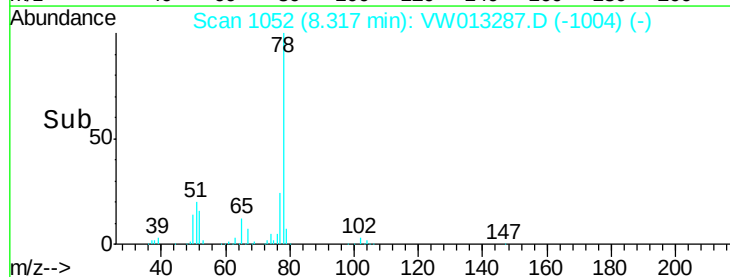
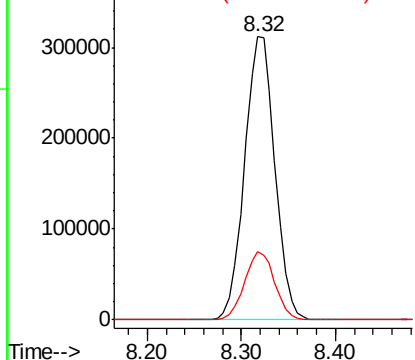


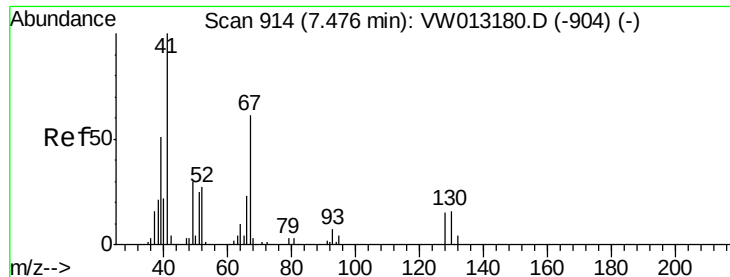
#40
Benzene
Concen: 49.382 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW013287.D
Acq: 24 Sep 2019 19:57

Tgt Ion: 78 Resp: 701900
Ion Ratio Lower Upper
78 100
77 24.2 19.1 28.7



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





#41

Methacrylonitrile

Concen: 54.477 ug/l

RT: 7.48 min Scan# 914

Delta R.T. -0.00 min

Lab File: VW013287.D

Acq: 24 Sep 2019 19:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 41 Resp: 70415

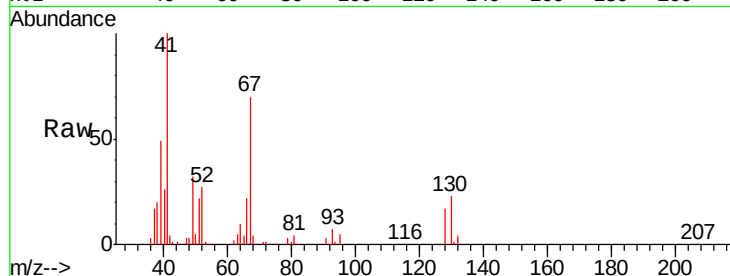
Ion Ratio Lower Upper

41 100

39 55.7 45.9 68.9

67 67.6 54.5 81.7

52 27.3 22.5 33.7

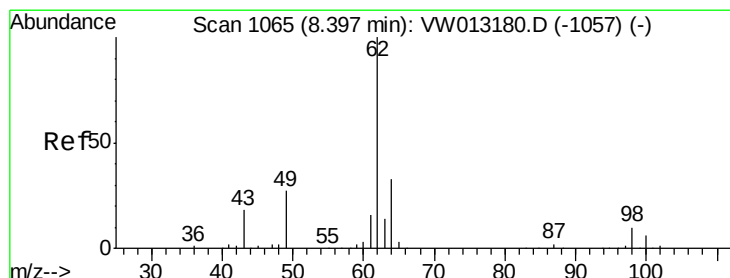
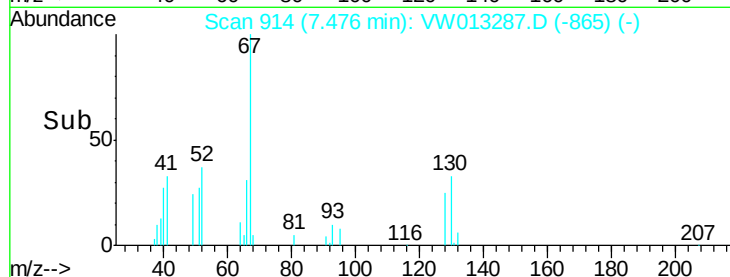
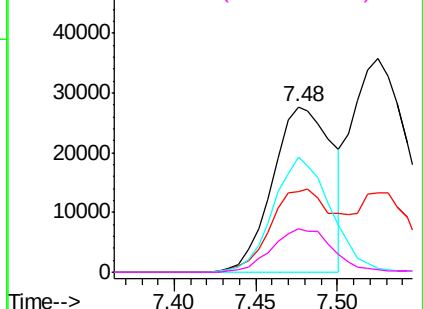


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 48.475 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW013287.D

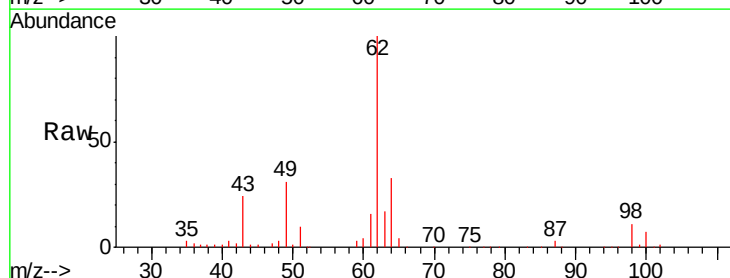
Acq: 24 Sep 2019 19:57

Tgt Ion: 62 Resp: 185218

Ion Ratio Lower Upper

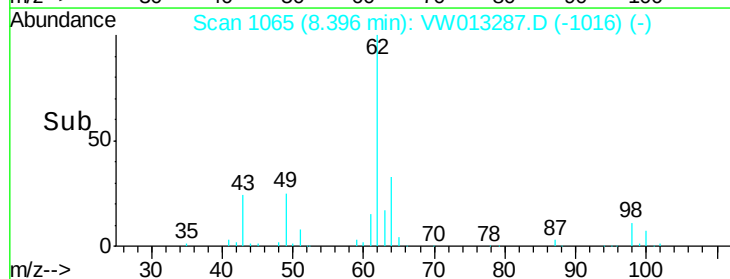
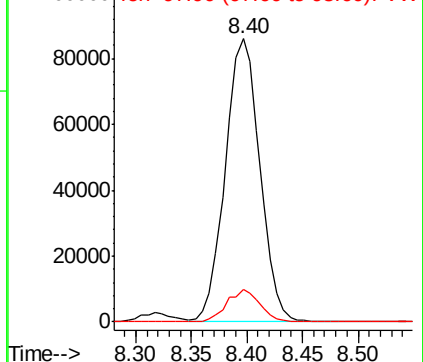
62 100

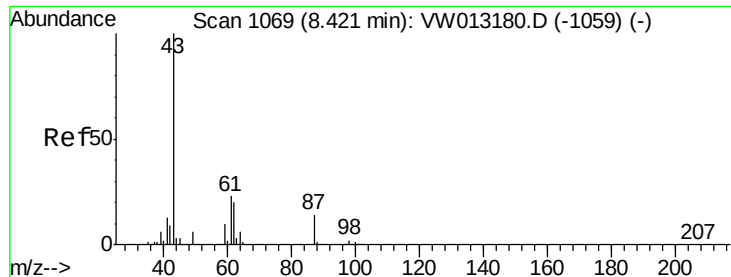
98 10.9 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 52.659 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013287.D

Acq: 24 Sep 2019 19:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

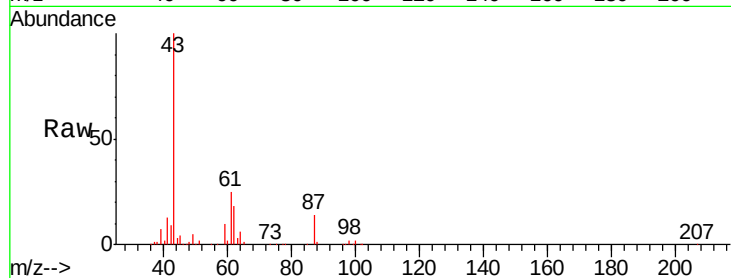
Tgt Ion: 43 Resp: 218577

Ion Ratio Lower Upper

43 100

61 31.2 25.5 38.3

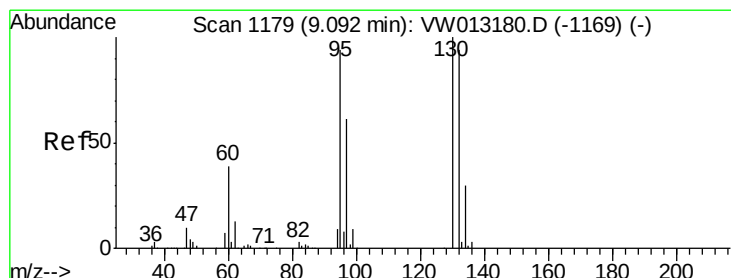
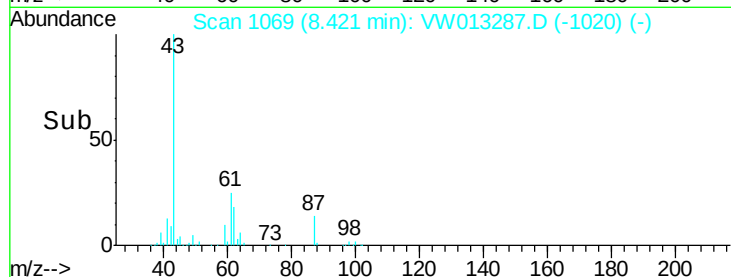
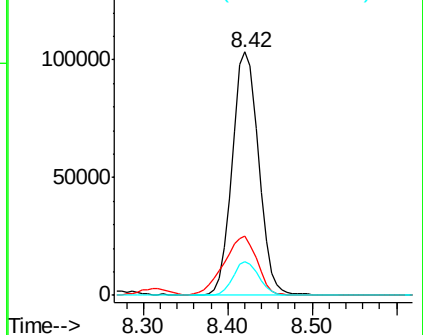
87 13.6 11.0 16.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 48.547 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW013287.D

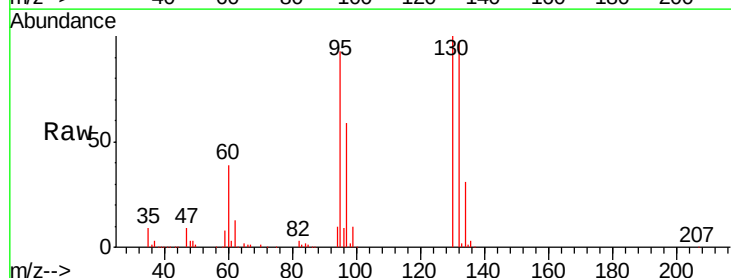
Acq: 24 Sep 2019 19:57

Tgt Ion: 130 Resp: 193602

Ion Ratio Lower Upper

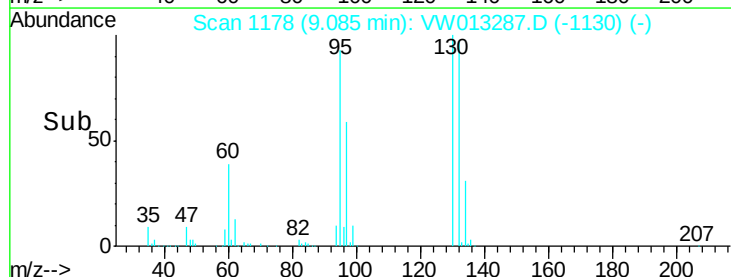
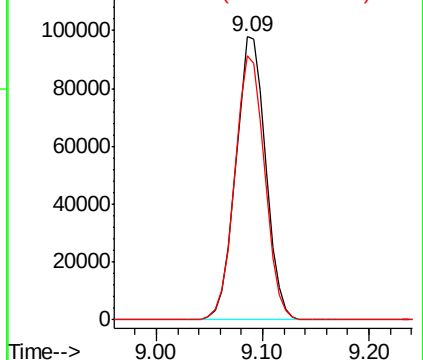
130 100

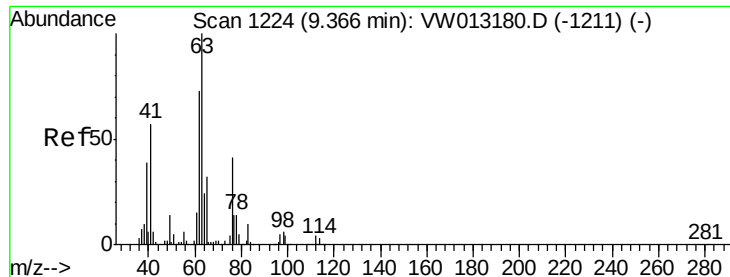
95 93.4 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

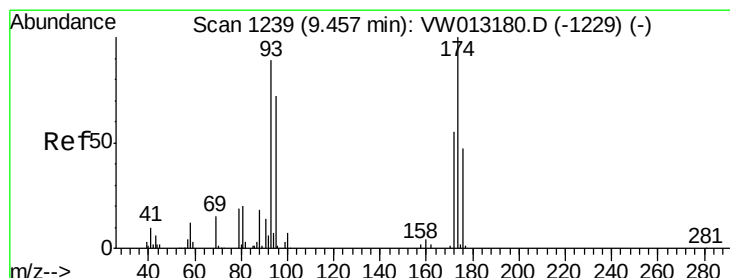
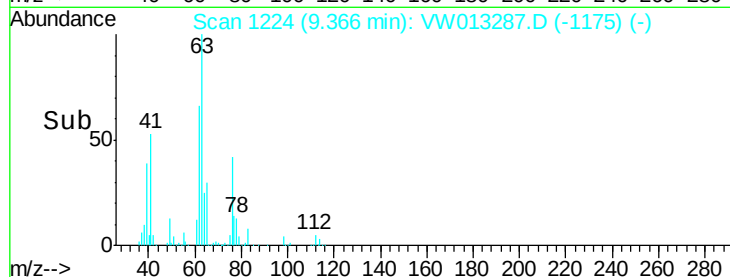
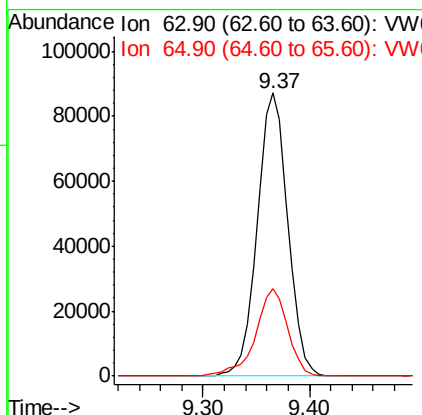
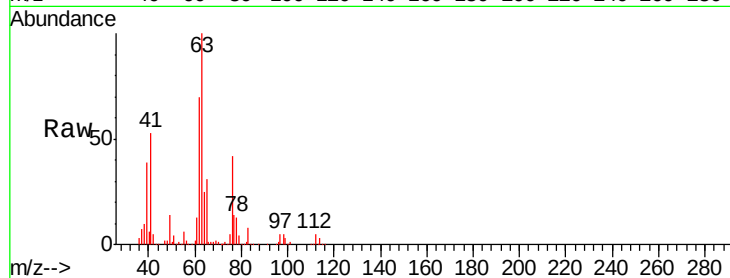




#45
 1,2-Dichloropropane
 Concen: 50.431 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013287.D
 Acq: 24 Sep 2019 19:57

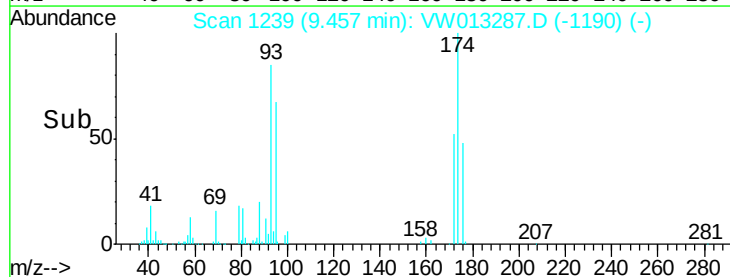
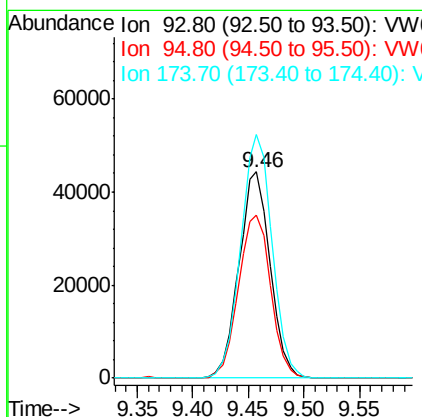
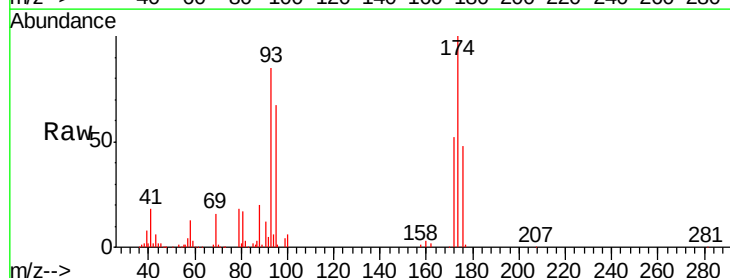
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

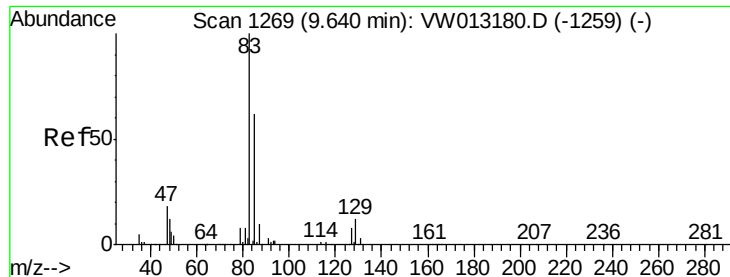
Tgt Ion: 63 Resp: 175004
 Ion Ratio Lower Upper
 63 100
 65 30.8 25.3 37.9



#46
 Dibromomethane
 Concen: 51.067 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW013287.D
 Acq: 24 Sep 2019 19:57

Tgt Ion: 93 Resp: 86035
 Ion Ratio Lower Upper
 93 100
 95 81.6 66.4 99.6
 174 118.9 93.0 139.6





#47

Bromodichloromethane

Concen: 49.474 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW013287.D

Acq: 24 Sep 2019 19:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

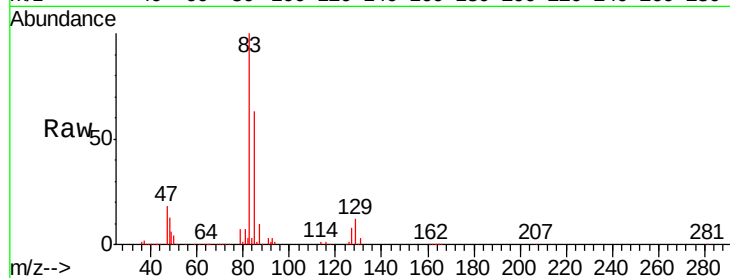
Tgt Ion: 83 Resp: 212092

Ion Ratio Lower Upper

83 100

85 62.6 49.4 74.2

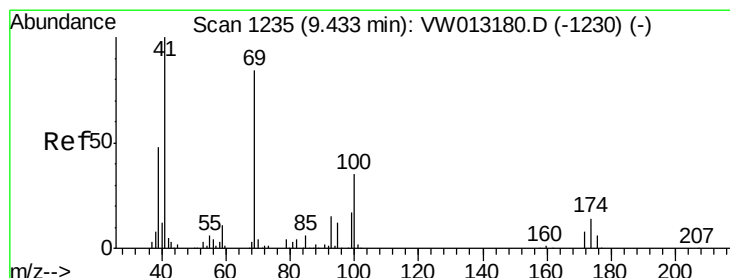
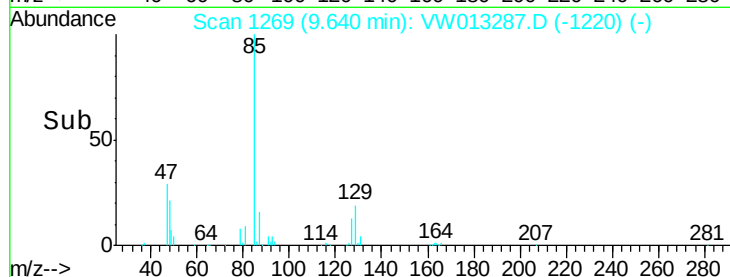
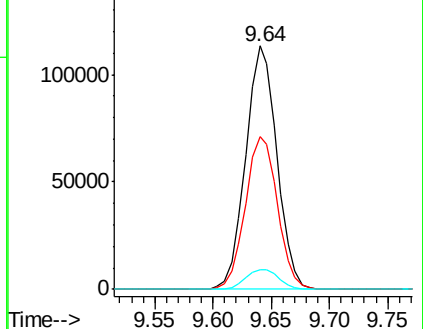
127 8.0 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 51.938 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW013287.D

Acq: 24 Sep 2019 19:57

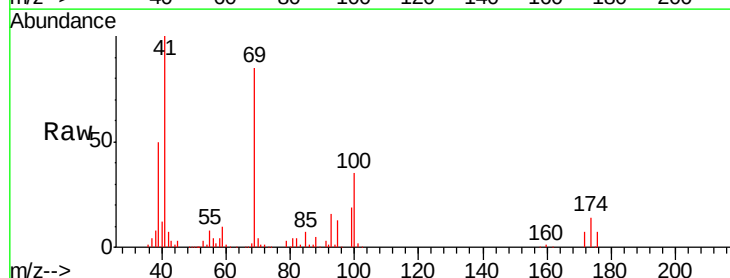
Tgt Ion: 41 Resp: 101373

Ion Ratio Lower Upper

41 100

69 90.7 69.7 104.5

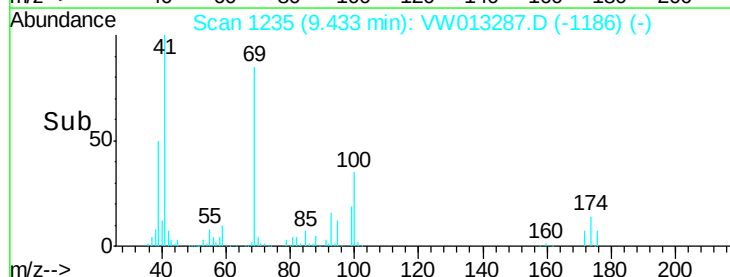
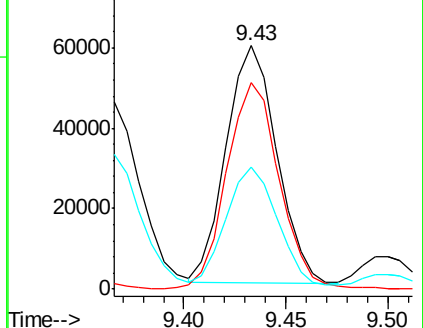
39 49.9 41.1 61.7

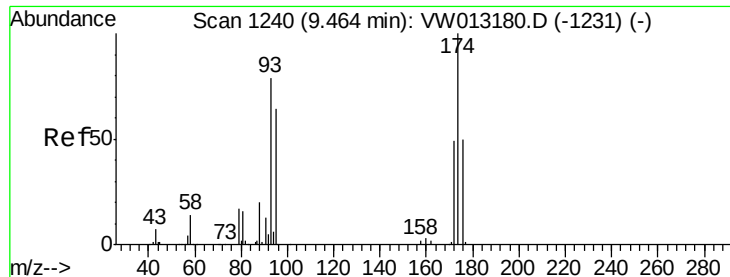


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

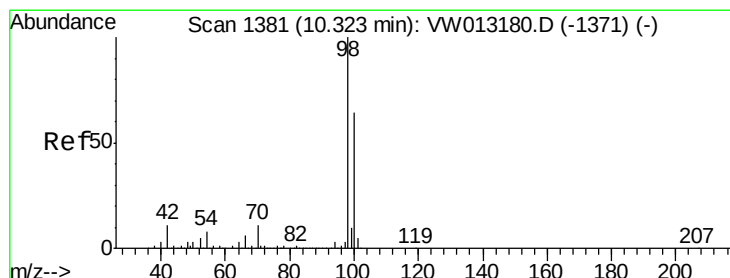
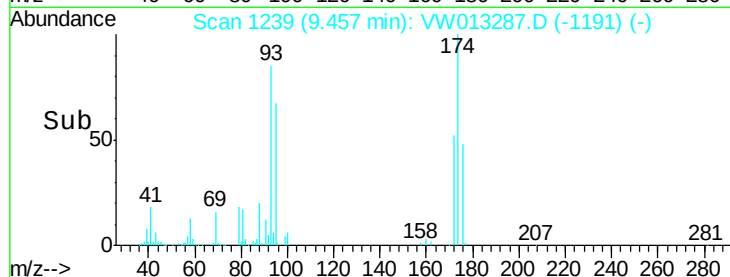
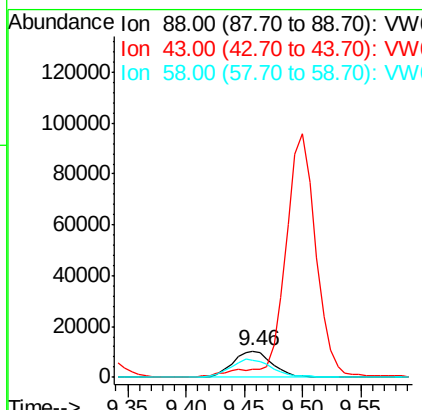
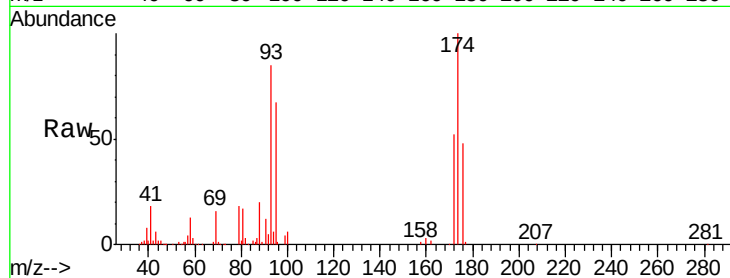




#49
1,4-Dioxane
Concen: 959.180 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. -0.01 min
Lab File: VW013287.D
Acq: 24 Sep 2019 19:57

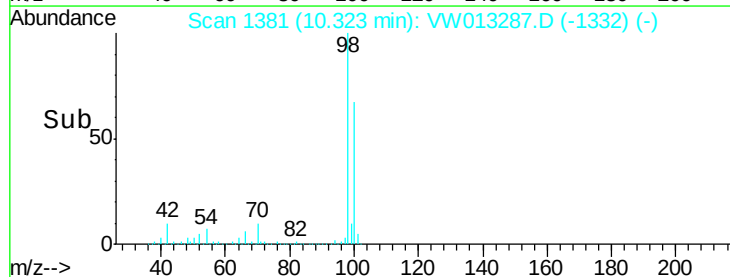
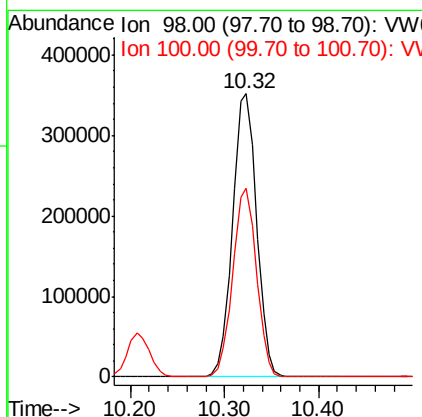
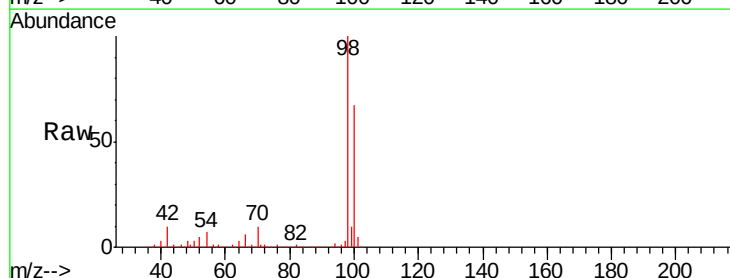
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

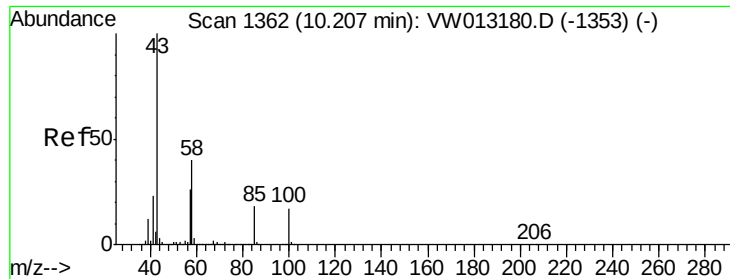
Tgt Ion: 88 Resp: 24257
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 75.1 65.4 98.0



#50
Toluene-d8
Concen: 51.420 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013287.D
Acq: 24 Sep 2019 19:57

Tgt Ion: 98 Resp: 622710
Ion Ratio Lower Upper
98 100
100 66.1 52.9 79.3

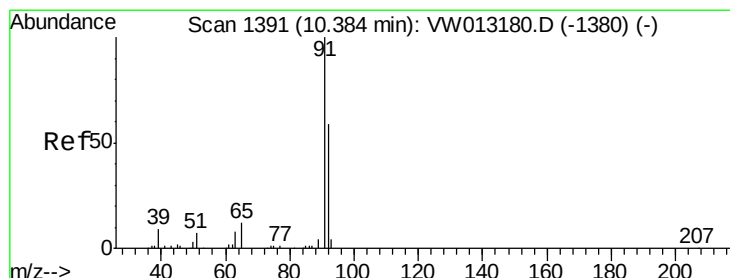
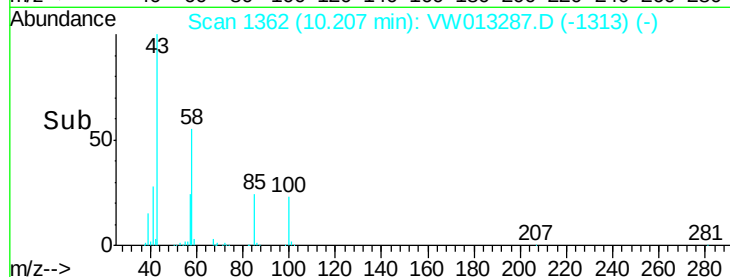
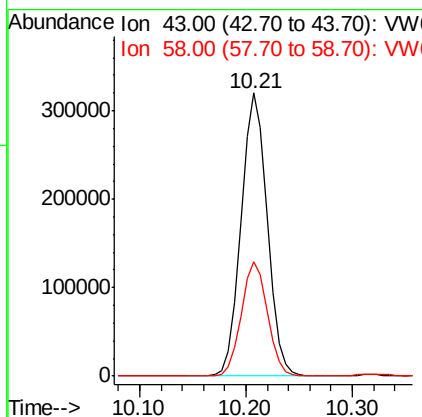
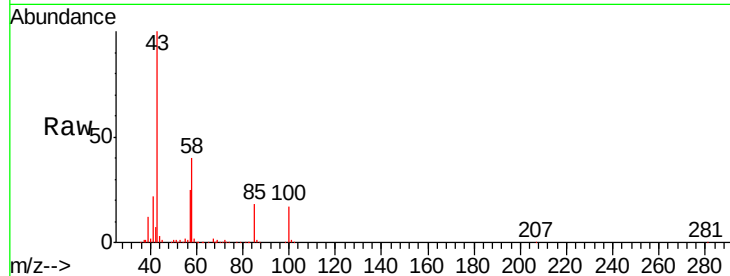




#51
 4-Methyl-2-Pentanone
 Concen: 265.602 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW013287.D
 Acq: 24 Sep 2019 19:57

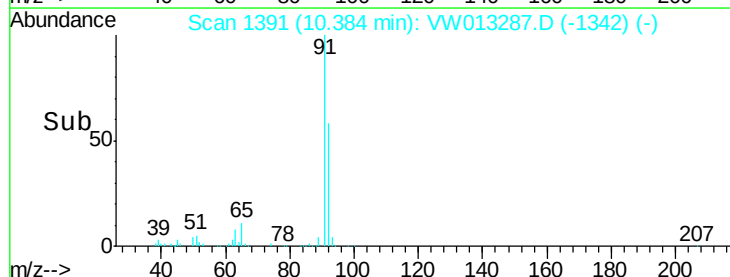
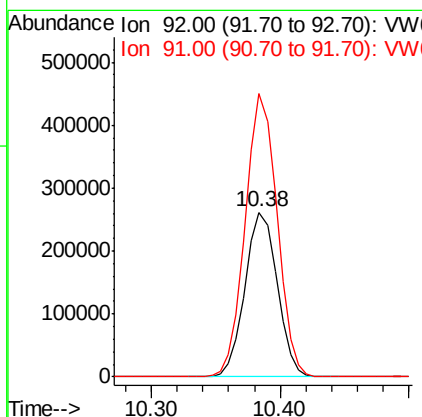
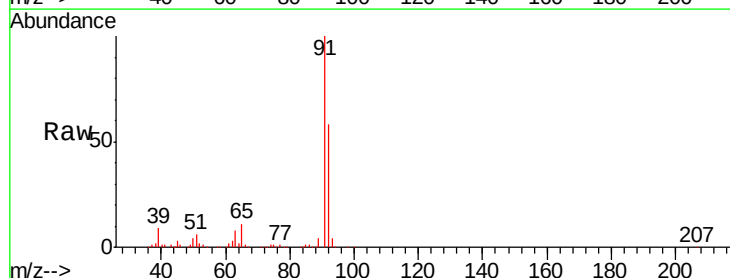
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

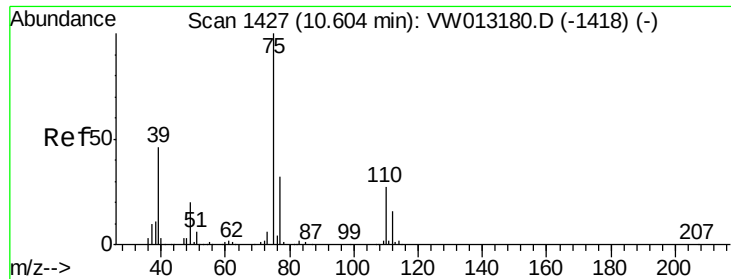
Tgt Ion: 43 Resp: 552687
 Ion Ratio Lower Upper
 43 100
 58 40.4 31.7 47.5



#52
 Toluene
 Concen: 49.647 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VW013287.D
 Acq: 24 Sep 2019 19:57

Tgt Ion: 92 Resp: 452258
 Ion Ratio Lower Upper
 92 100
 91 170.2 135.7 203.5





#53

t-1,3-Dichloropropene

Concen: 51.263 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013287.D

Acq: 24 Sep 2019 19:57

Instrument :

MSVOA_W

ClientSampleId :

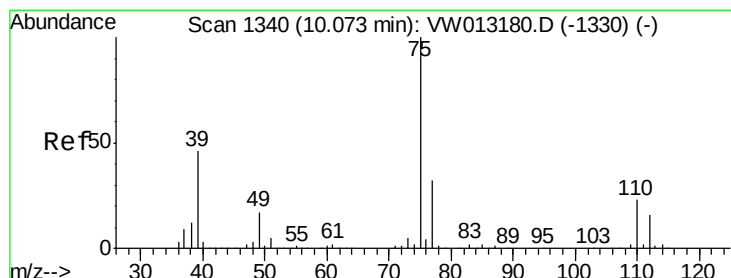
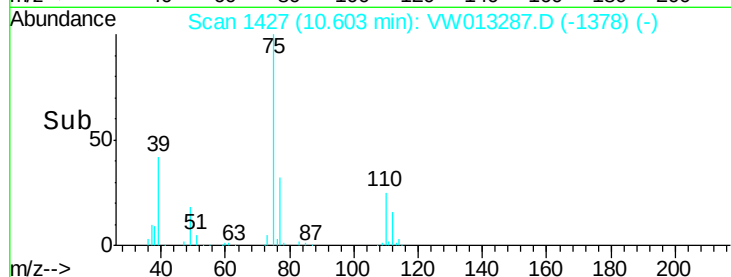
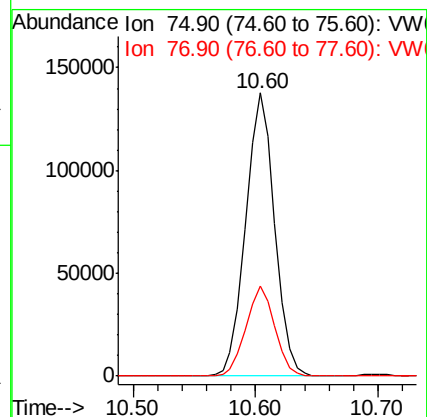
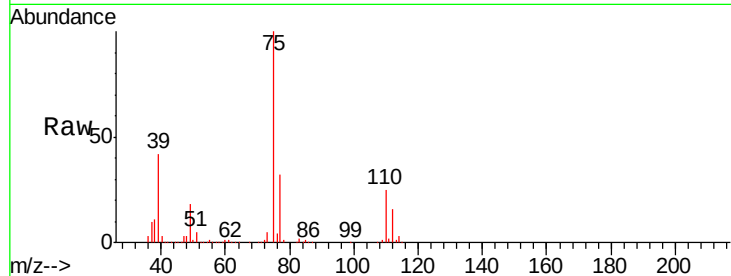
VSTDCCC050EC

Tgt Ion: 75 Resp: 225780

Ion Ratio Lower Upper

75 100

77 31.8 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 51.217 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW013287.D

Acq: 24 Sep 2019 19:57

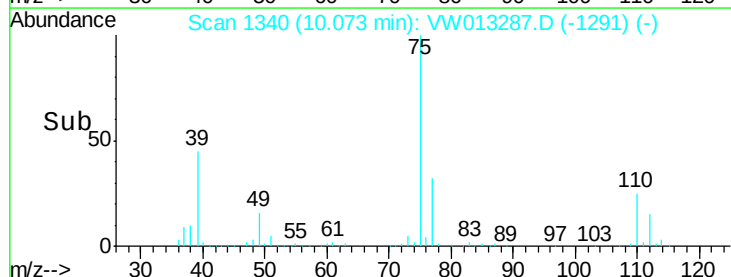
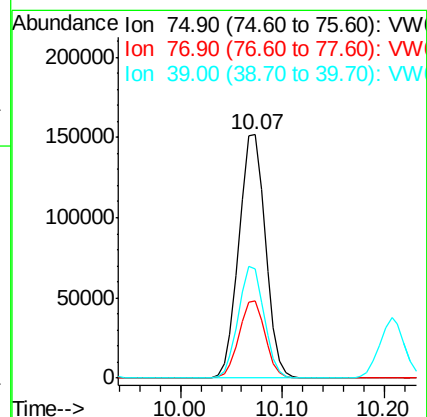
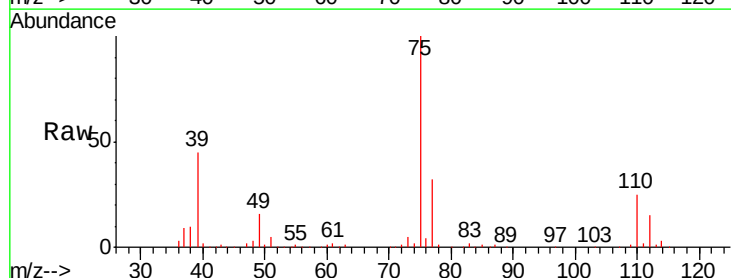
Tgt Ion: 75 Resp: 274274

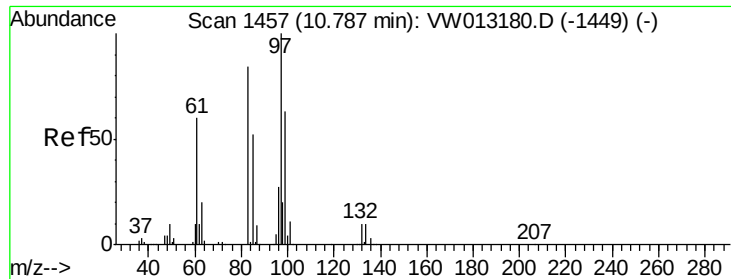
Ion Ratio Lower Upper

75 100

77 31.9 25.2 37.8

39 45.0 36.6 55.0

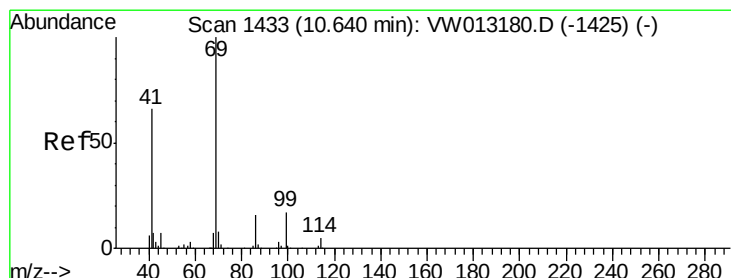
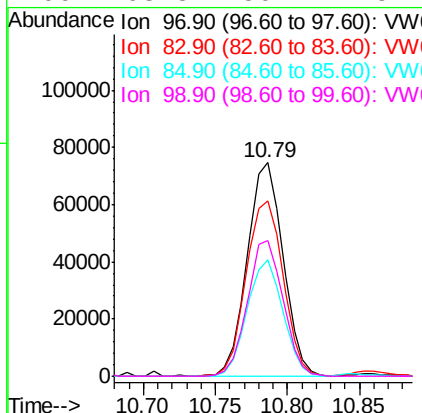
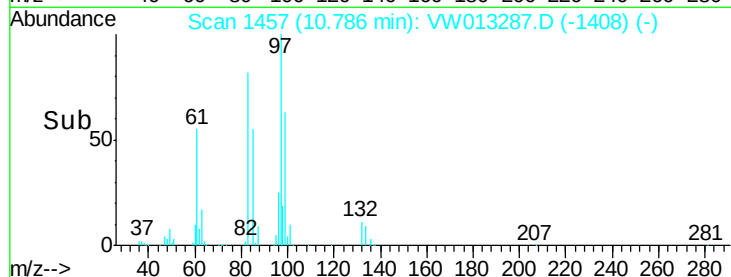
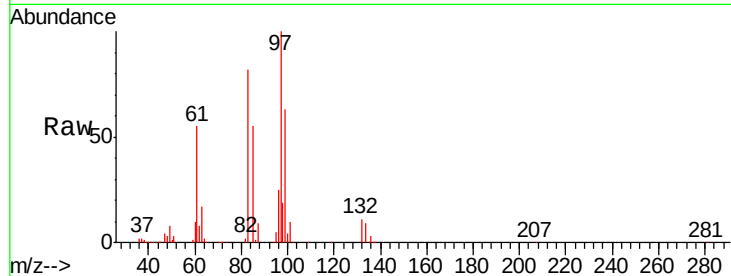




#55
 1,1,2-Trichloroethane
 Concen: 51.063 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013287.D
 Acq: 24 Sep 2019 19:57

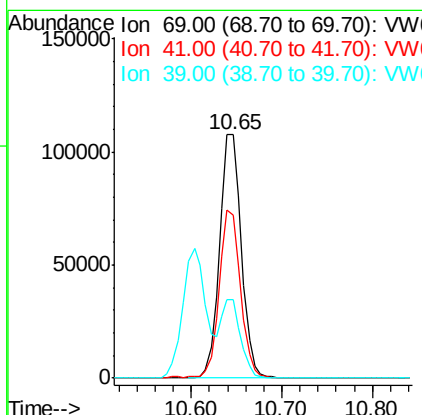
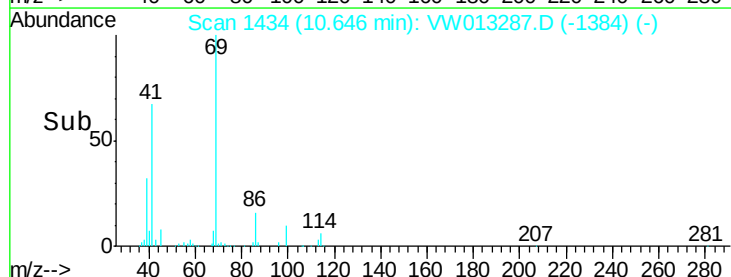
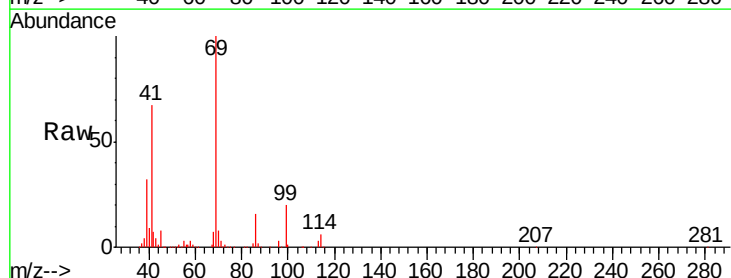
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

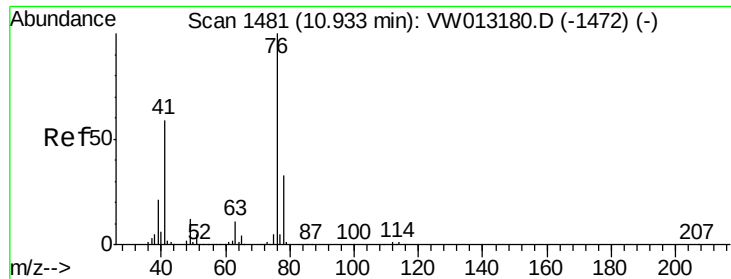
Tgt Ion:	97	Resp:	128586
Ion	Ratio	Lower	Upper
97	100		
83	82.2	67.6	101.4
85	54.5	41.9	62.9
99	63.3	50.1	75.1



#56
 Ethyl methacrylate
 Concen: 54.826 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VW013287.D
 Acq: 24 Sep 2019 19:57

Tgt Ion:	69	Resp:	180683
Ion	Ratio	Lower	Upper
69	100		
41	66.7	53.9	80.9
39	28.1	23.8	35.6

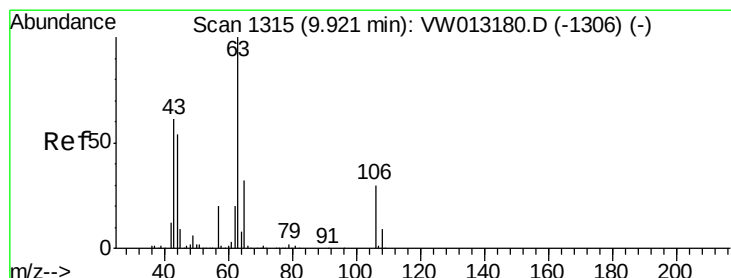
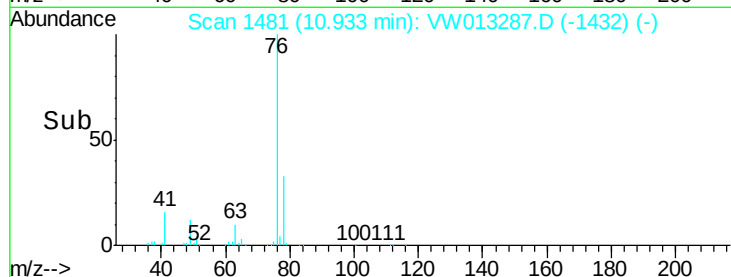
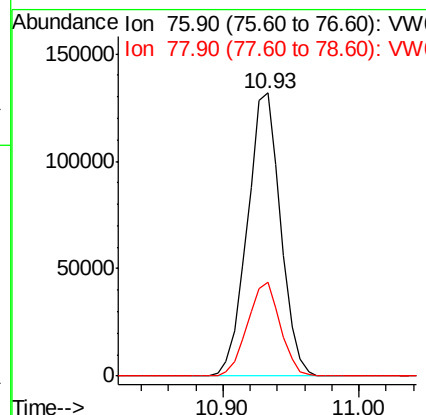
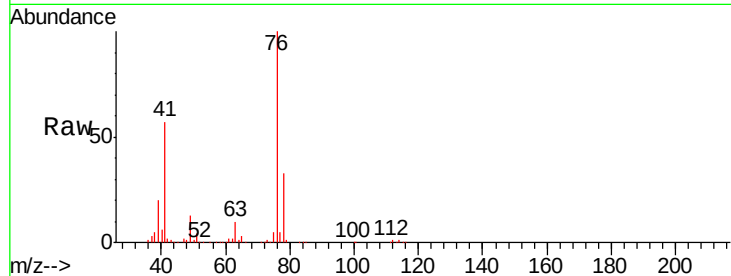




#57
 1,3-Dichloropropane
 Concen: 51.374 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW013287.D
 Acq: 24 Sep 2019 19:57

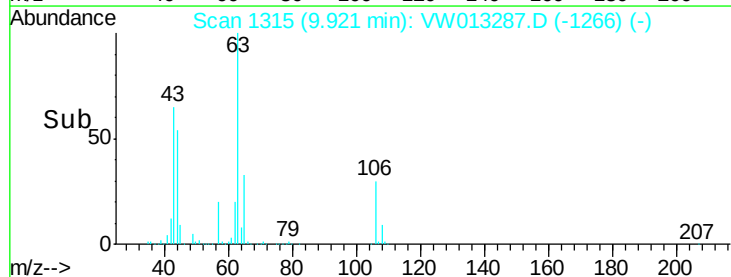
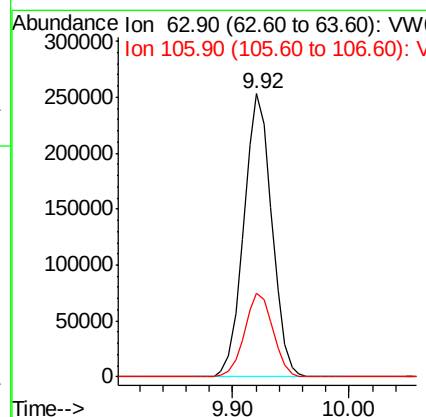
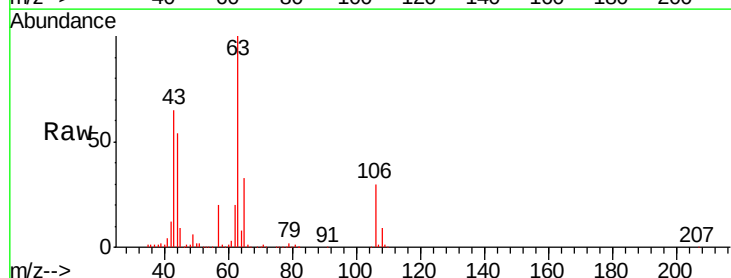
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

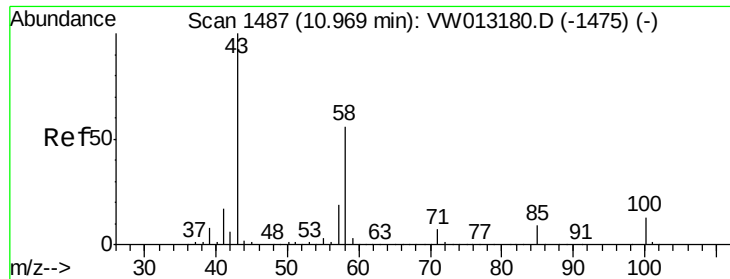
Tgt Ion: 76 Resp: 225754
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 278.335 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013287.D
 Acq: 24 Sep 2019 19:57

Tgt Ion: 63 Resp: 424650
 Ion Ratio Lower Upper
 63 100
 106 29.9 23.4 35.0

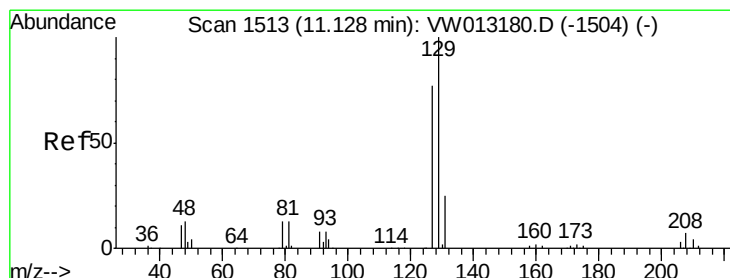
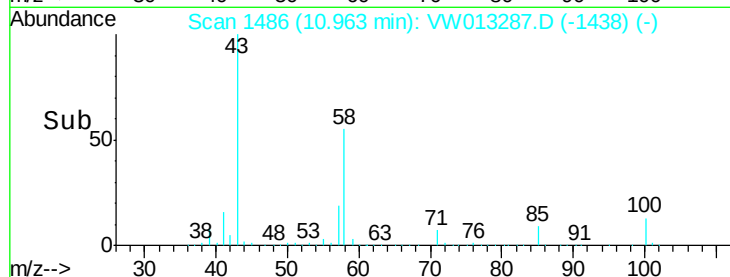
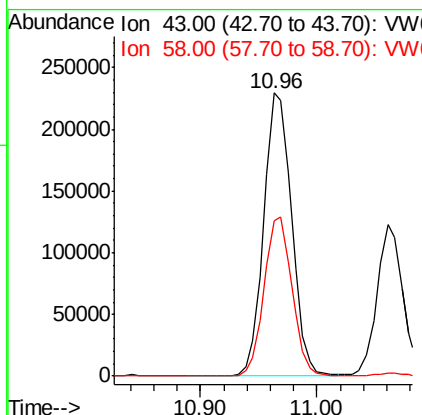
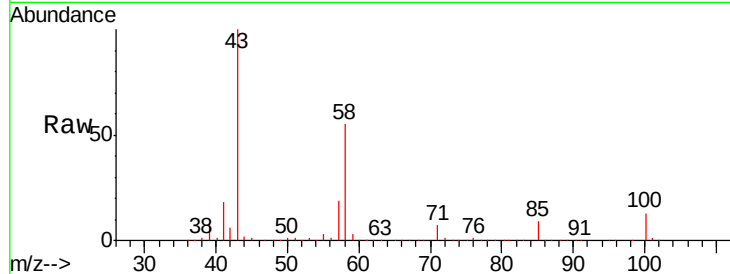




#59
2-Hexanone
Concen: 265.449 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. -0.01 min
Lab File: VW013287.D
Acq: 24 Sep 2019 19:57

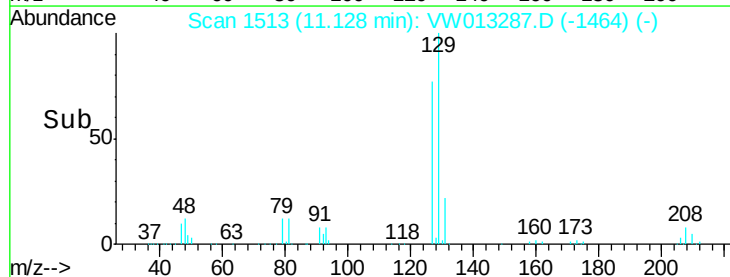
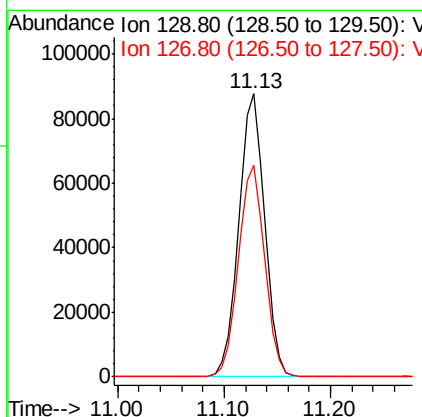
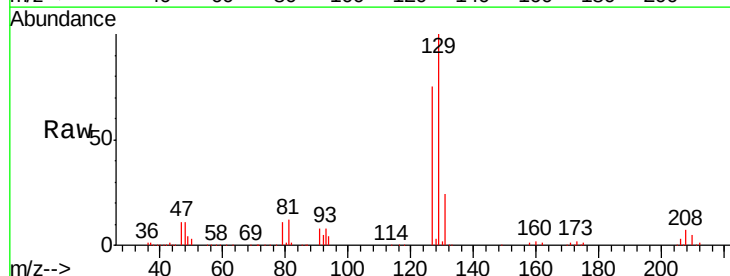
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

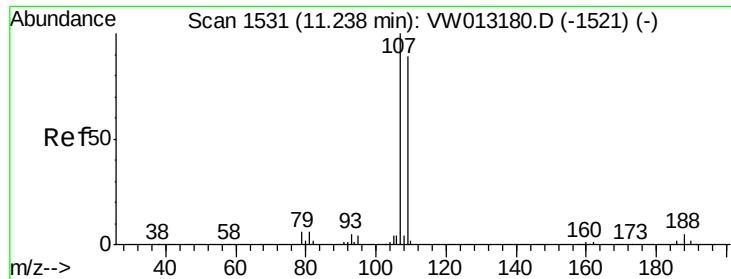
Tgt Ion: 43 Resp: 380029
Ion Ratio Lower Upper
43 100
58 56.4 28.1 84.2



#60
Dibromochloromethane
Concen: 52.381 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013287.D
Acq: 24 Sep 2019 19:57

Tgt Ion: 129 Resp: 149776
Ion Ratio Lower Upper
129 100
127 76.0 38.8 116.4

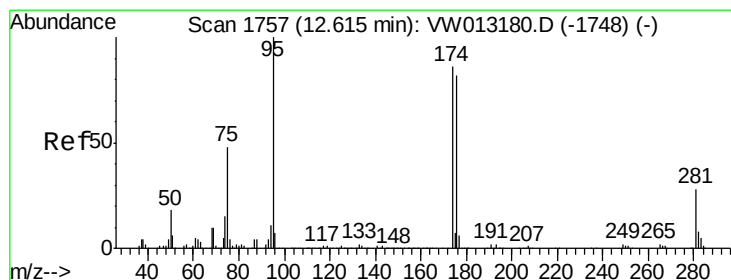
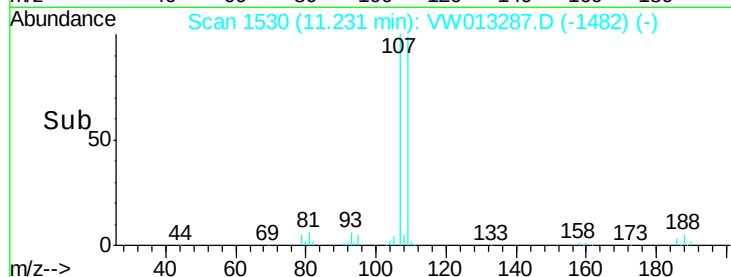
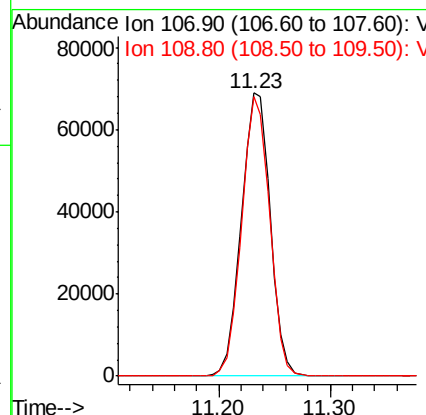
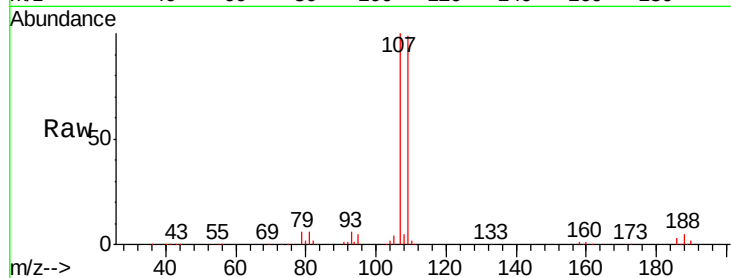




#61
 1,2-Dibromoethane
 Concen: 51.664 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW013287.D
 Acq: 24 Sep 2019 19:57

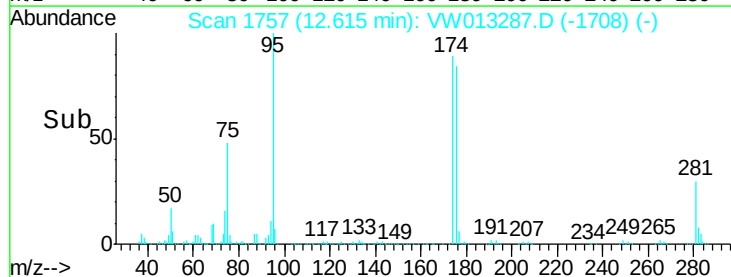
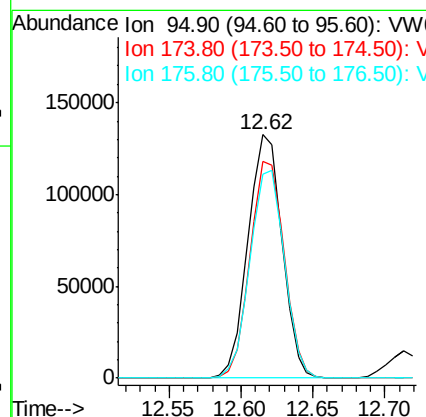
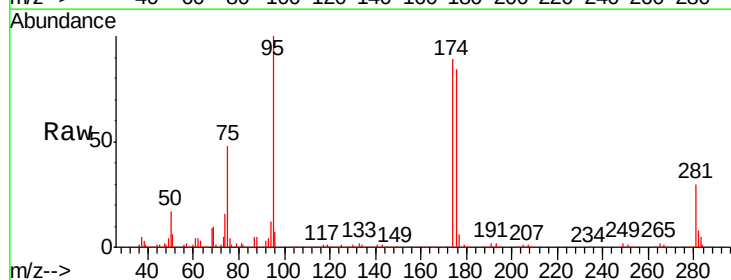
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

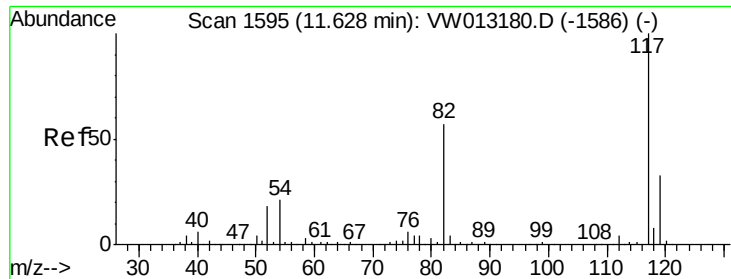
Tgt Ion: 107 Resp: 123698
 Ion Ratio Lower Upper
 107 100
 109 95.7 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 52.469 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013287.D
 Acq: 24 Sep 2019 19:57

Tgt Ion: 95 Resp: 217052
 Ion Ratio Lower Upper
 95 100
 174 89.0 0.0 178.4
 176 86.3 0.0 172.2

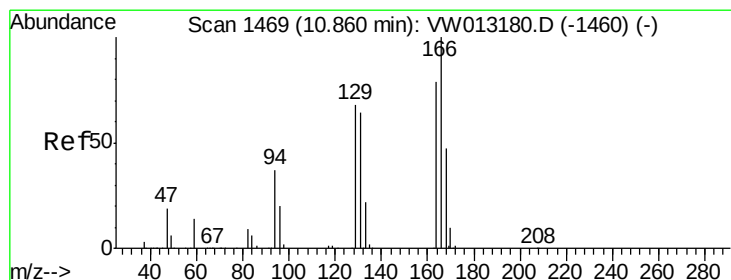
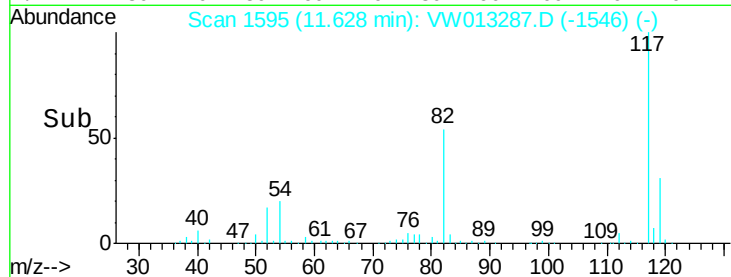
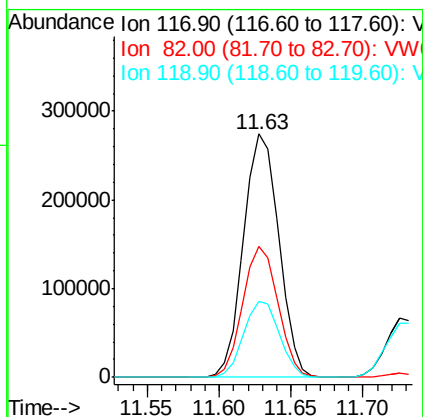
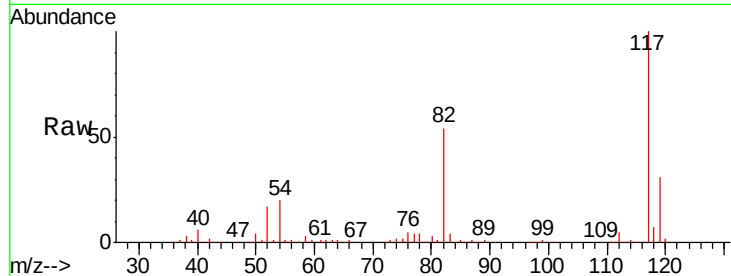




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013287.D
Acq: 24 Sep 2019 19:57

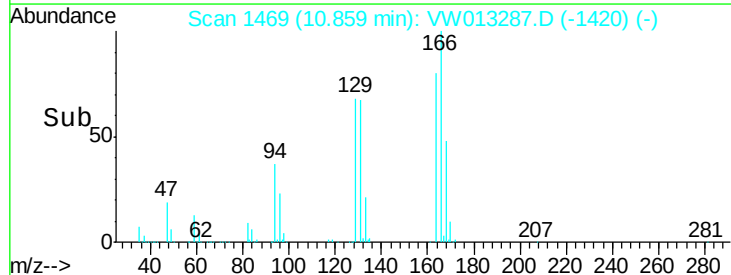
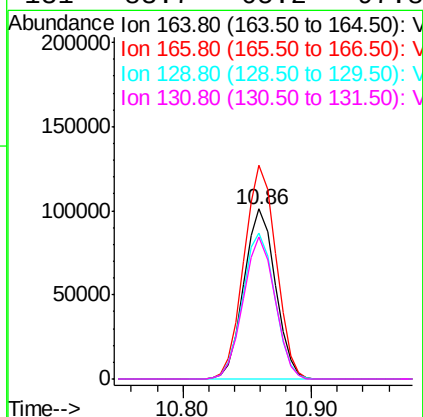
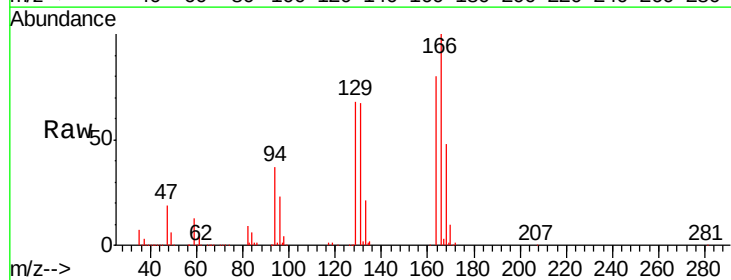
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

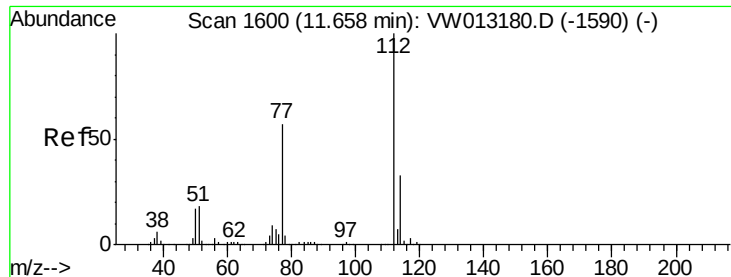
Tgt Ion:117 Resp: 467286
Ion Ratio Lower Upper
117 100
82 53.8 45.9 68.9
119 31.4 26.2 39.2



#64
Tetrachloroethene
Concen: 48.114 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013287.D
Acq: 24 Sep 2019 19:57

Tgt Ion:164 Resp: 170586
Ion Ratio Lower Upper
164 100
166 125.7 101.2 151.8
129 85.8 68.8 103.2
131 83.7 65.2 97.8

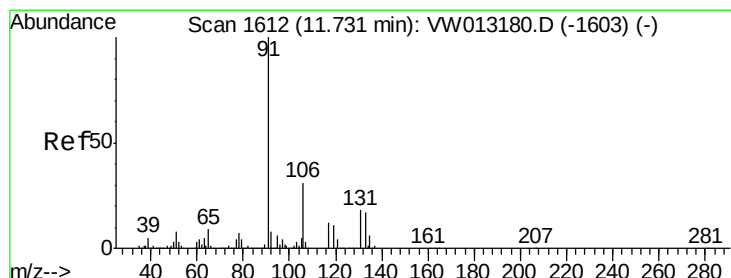
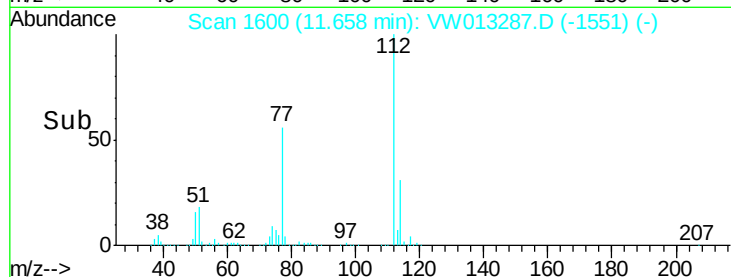
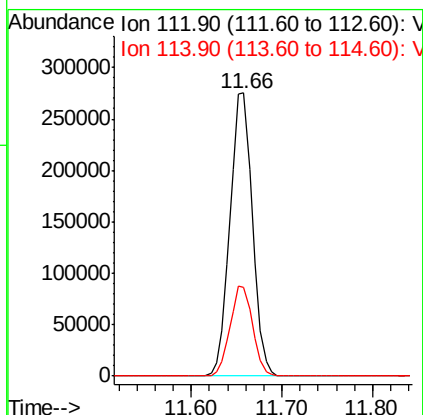
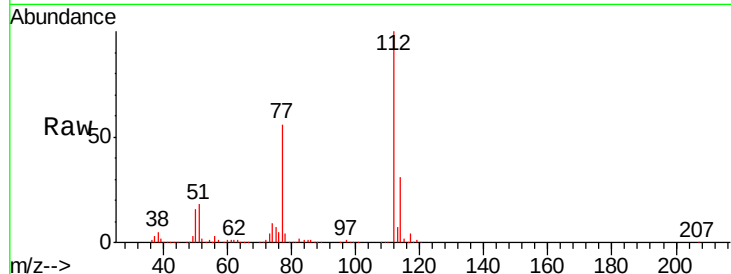




#65
Chlorobenzene
Concen: 48.554 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013287.D
Acq: 24 Sep 2019 19:57

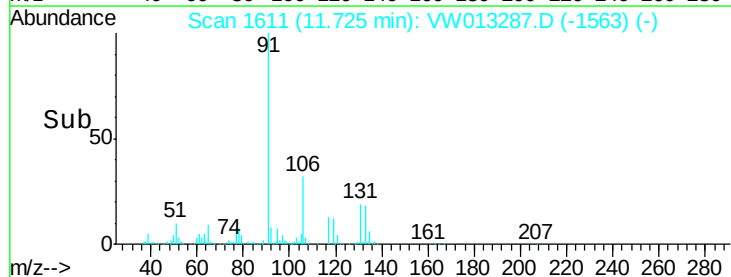
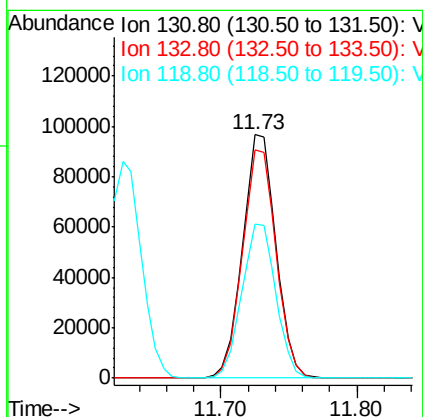
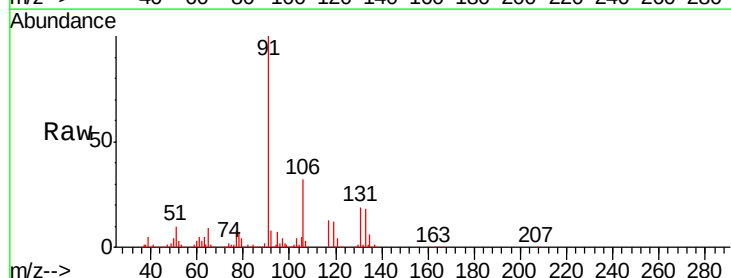
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

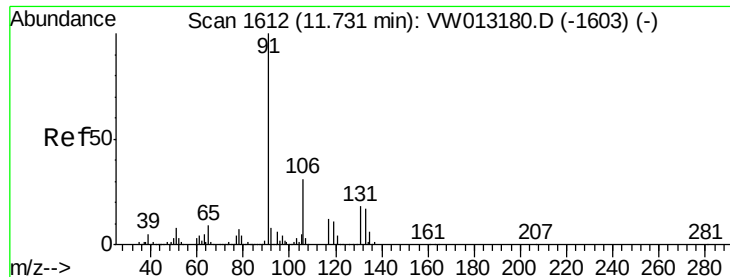
Tgt Ion:112 Resp: 473786
Ion Ratio Lower Upper
112 100
114 31.4 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 49.638 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW013287.D
Acq: 24 Sep 2019 19:57

Tgt Ion:131 Resp: 165472
Ion Ratio Lower Upper
131 100
133 94.9 47.5 142.6
119 64.8 32.5 97.5

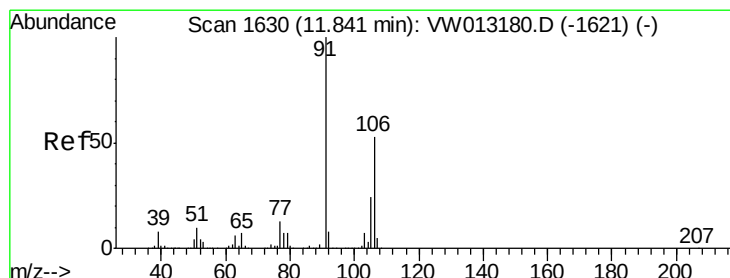
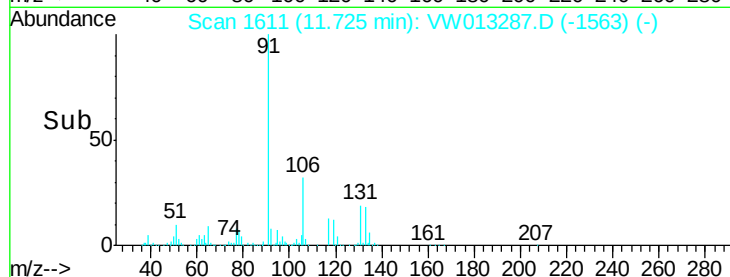
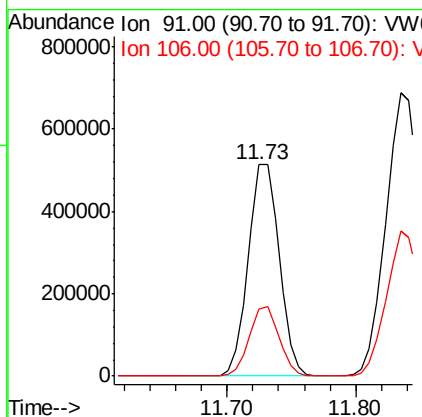
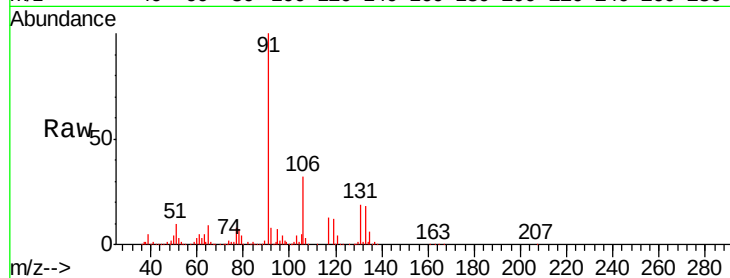




#67
Ethyl Benzene
Concen: 48.410 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW013287.D
Acq: 24 Sep 2019 19:57

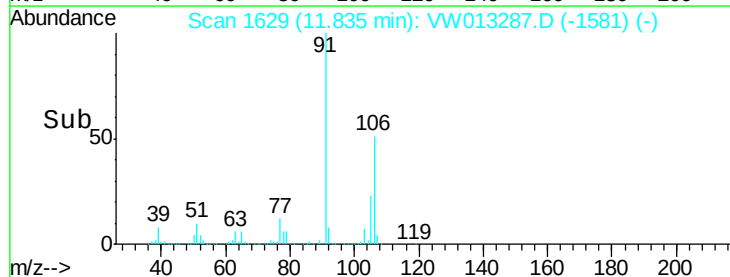
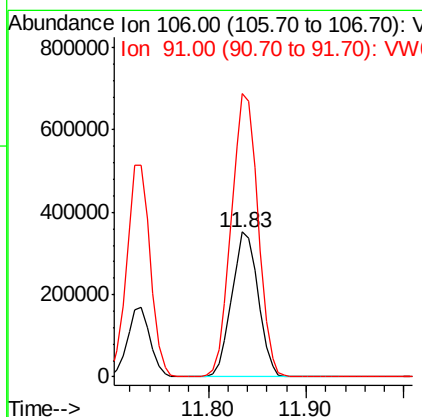
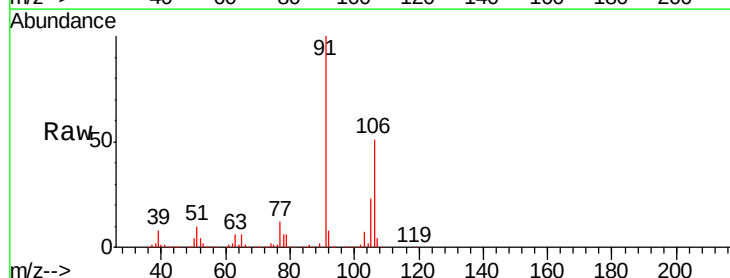
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

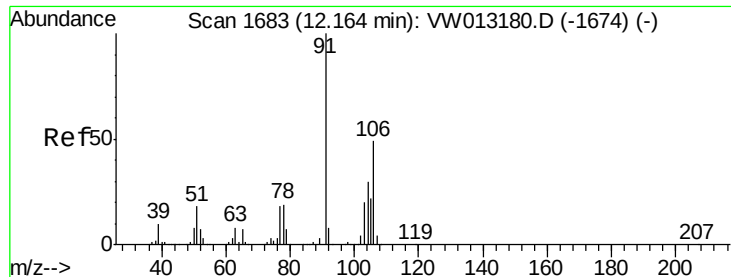
Tgt Ion: 91 Resp: 855901
Ion Ratio Lower Upper
91 100
106 31.7 24.9 37.3



#68
m/p-Xylenes
Concen: 97.925 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW013287.D
Acq: 24 Sep 2019 19:57

Tgt Ion: 106 Resp: 659745
Ion Ratio Lower Upper
106 100
91 197.4 157.9 236.9

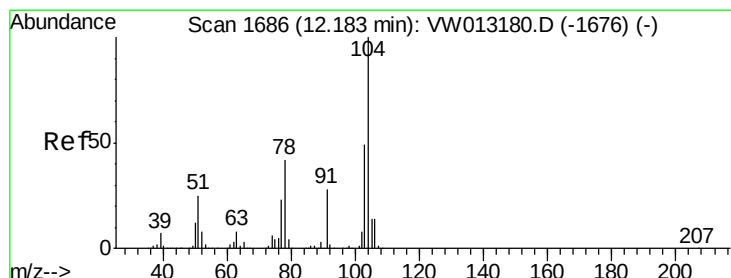
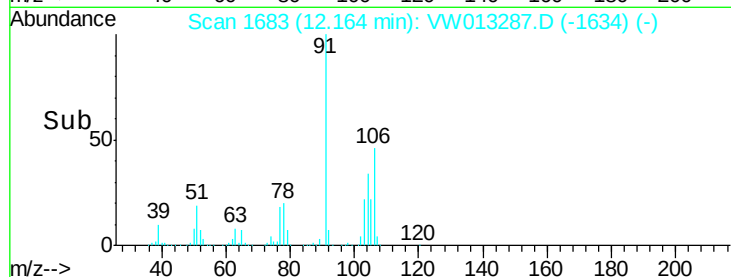
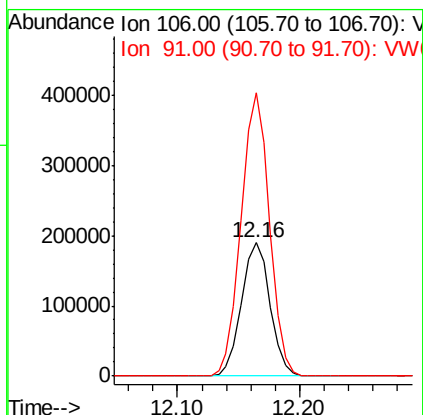
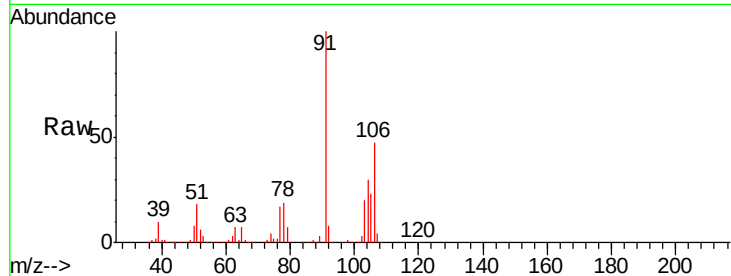




#69
o-Xylene
Concen: 49.138 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013287.D
Acq: 24 Sep 2019 19:57

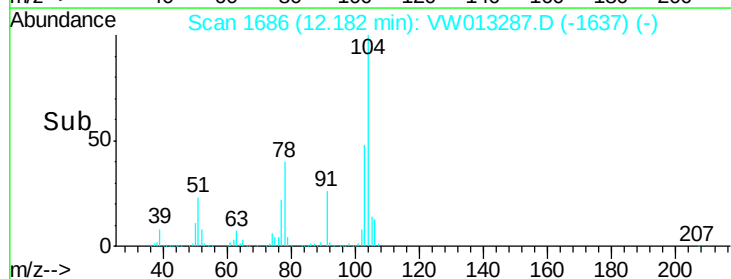
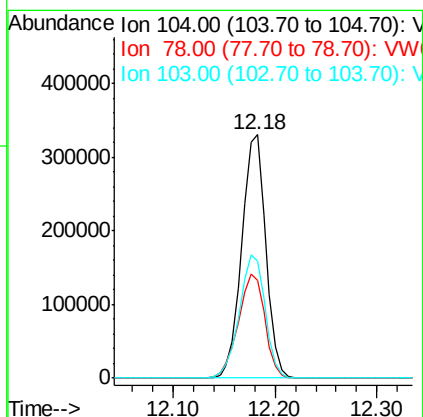
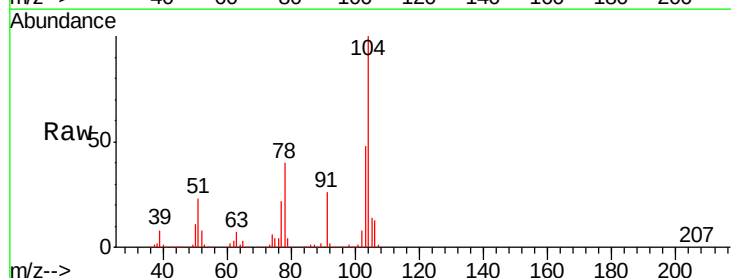
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

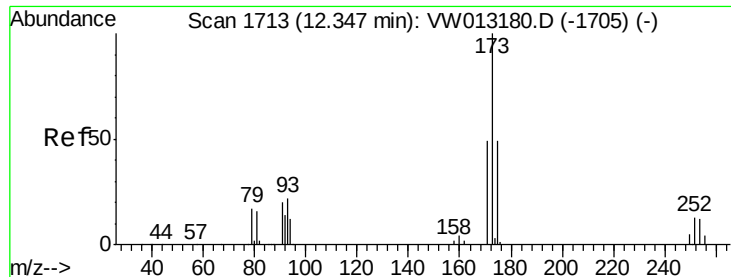
Tgt Ion:106 Resp: 307787
Ion Ratio Lower Upper
106 100
91 210.5 106.5 319.5



#70
Styrene
Concen: 50.202 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW013287.D
Acq: 24 Sep 2019 19:57

Tgt Ion:104 Resp: 539850
Ion Ratio Lower Upper
104 100
78 47.3 38.4 57.6
103 54.5 43.3 64.9

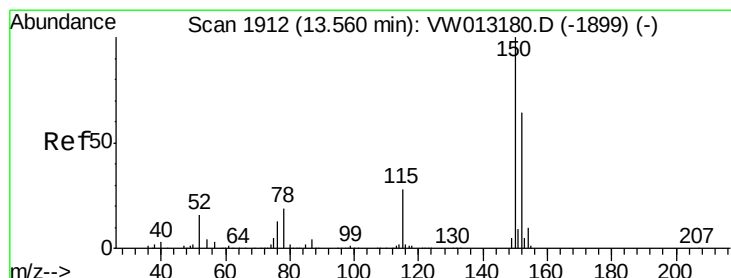
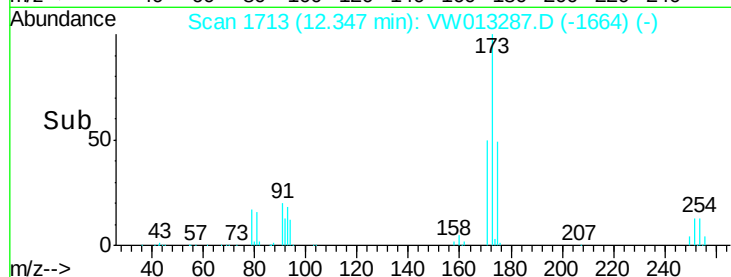
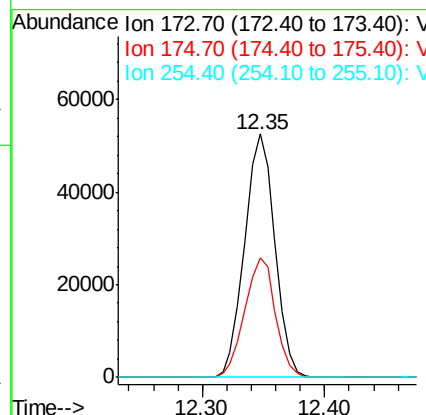
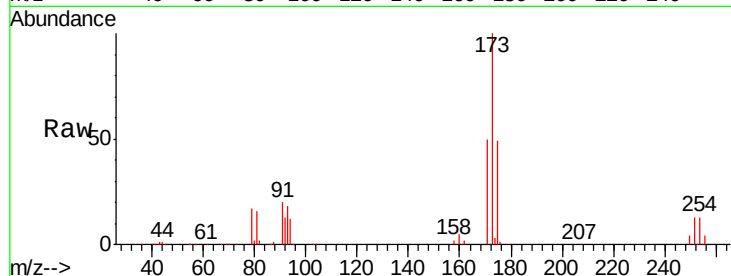




#71
Bromoform
Concen: 51.207 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW013287.D
Acq: 24 Sep 2019 19:57

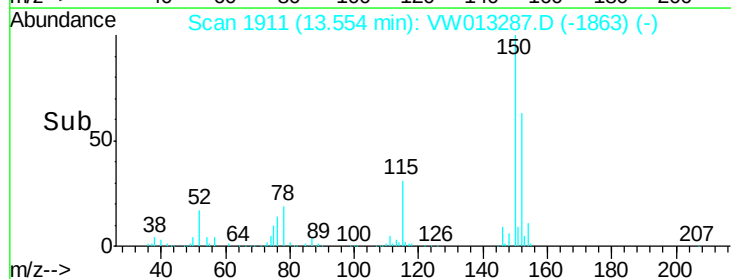
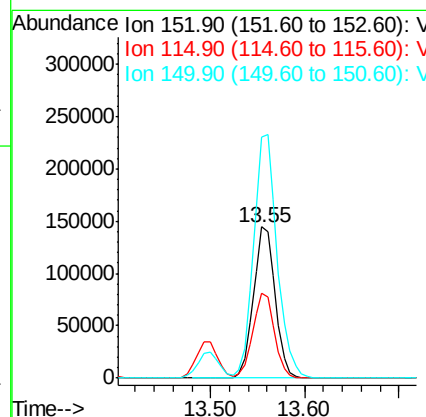
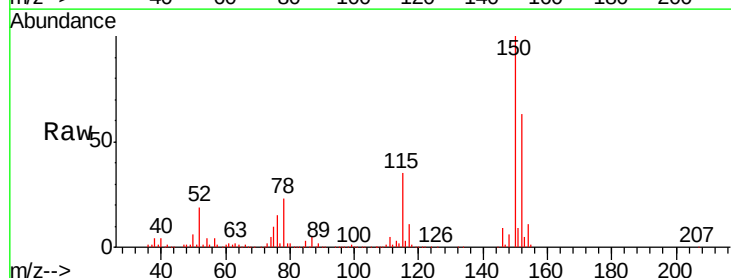
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

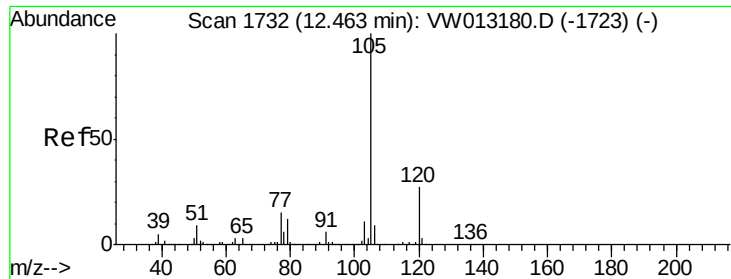
Tgt Ion:173 Resp: 90183
Ion Ratio Lower Upper
173 100
175 49.6 24.3 73.0
254 0.1 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW013287.D
Acq: 24 Sep 2019 19:57

Tgt Ion:152 Resp: 233728
Ion Ratio Lower Upper
152 100
115 55.7 27.3 81.9
150 174.0 0.0 349.0

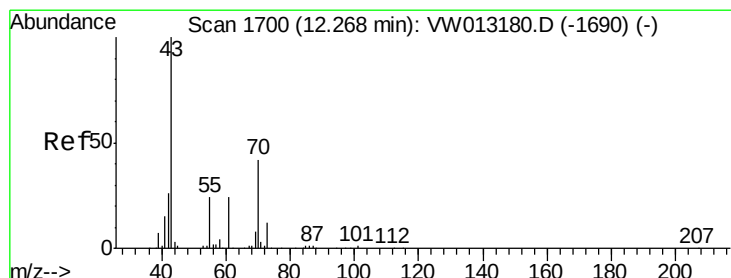
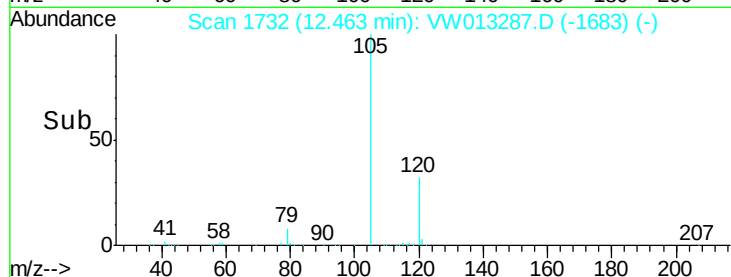
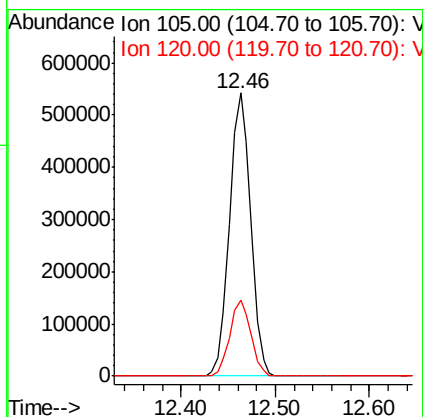
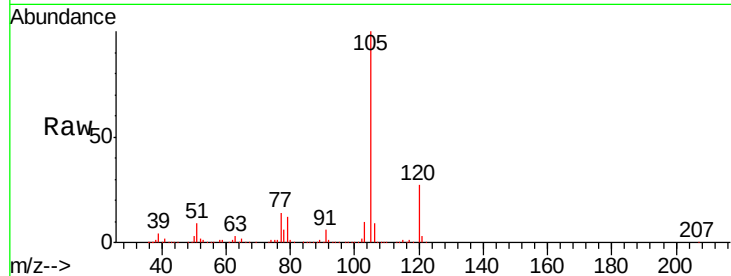




#73
Isopropylbenzene
Concen: 48.962 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW013287.D
Acq: 24 Sep 2019 19:57

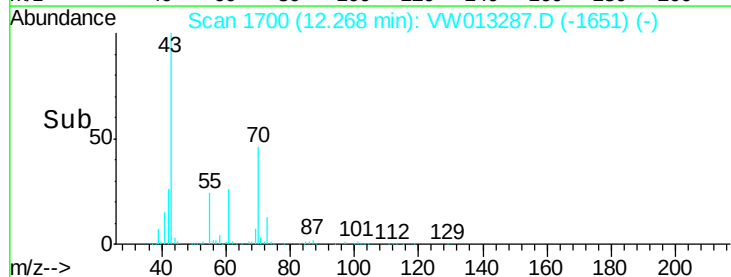
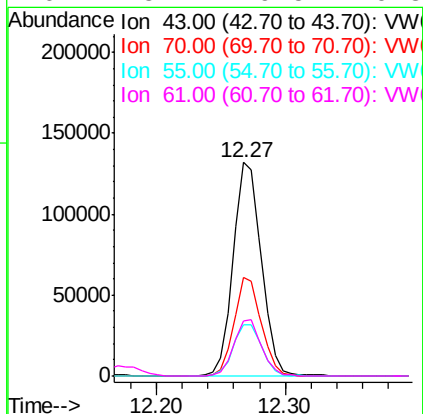
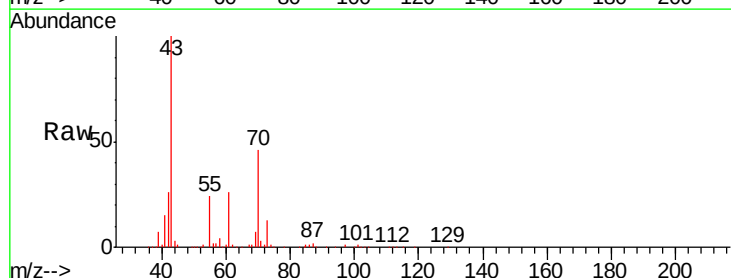
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

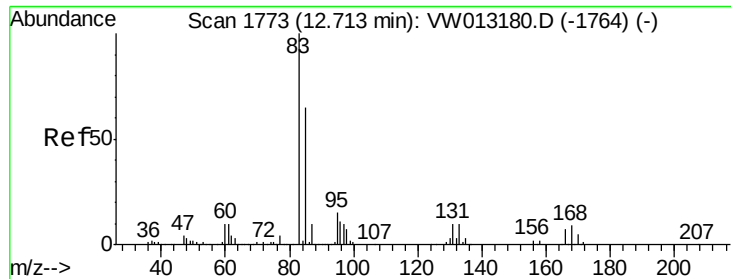
Tgt Ion: 105 Resp: 845371
Ion Ratio Lower Upper
105 100
120 26.7 13.4 40.1



#74
N-ethyl acetate
Concen: 52.489 ug/l
RT: 12.27 min Scan# 1700
Delta R.T. -0.00 min
Lab File: VW013287.D
Acq: 24 Sep 2019 19:57

Tgt Ion: 43 Resp: 201100
Ion Ratio Lower Upper
43 100
70 44.7 35.1 52.7
55 24.8 19.9 29.9
61 25.7 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 51.551 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013287.D

Acq: 24 Sep 2019 19:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

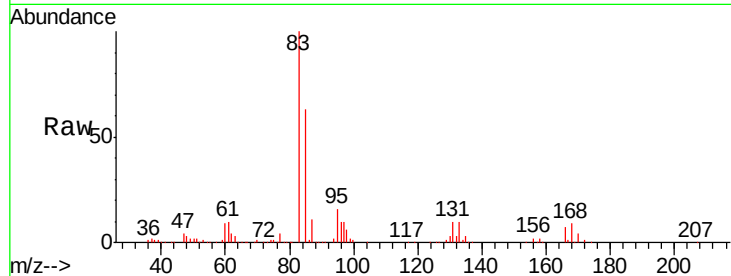
Tgt Ion: 83 Resp: 148857

Ion Ratio Lower Upper

83 100

131 10.9 5.4 16.2

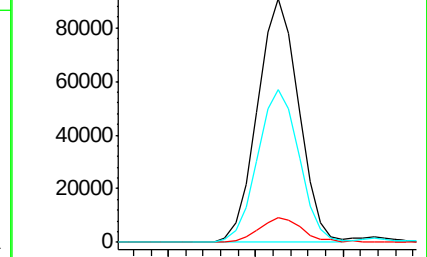
85 63.3 31.9 95.9



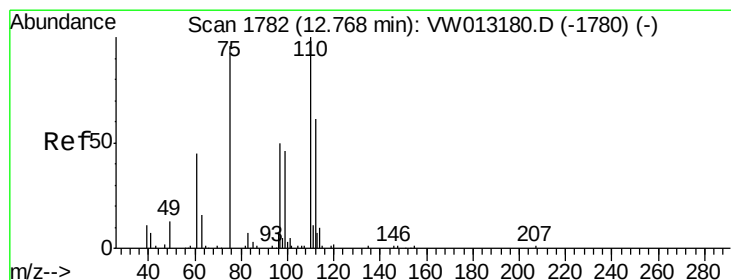
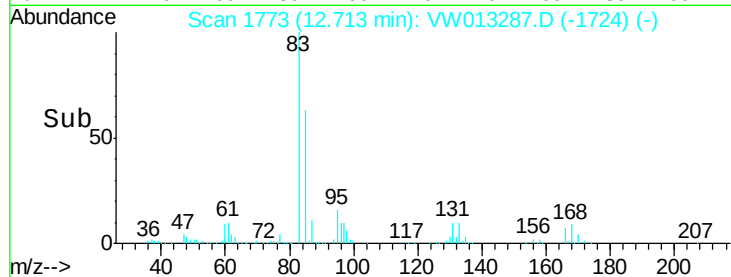
Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



Time-->



#76

1,2,3-Trichloropropane

Concen: 90.115 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW013287.D

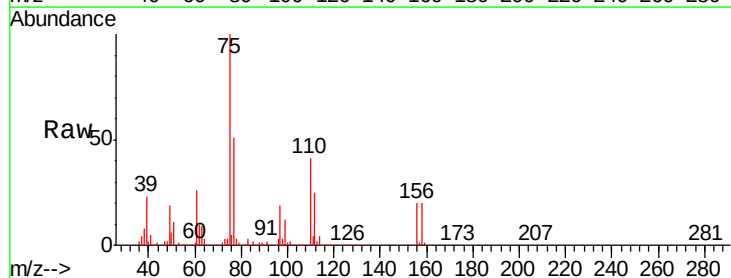
Acq: 24 Sep 2019 19:57

Tgt Ion: 75 Resp: 186009

Ion Ratio Lower Upper

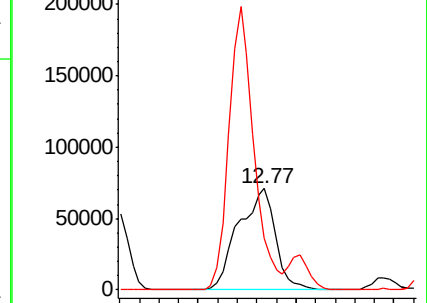
75 100

77 0.0 0.0 0.0

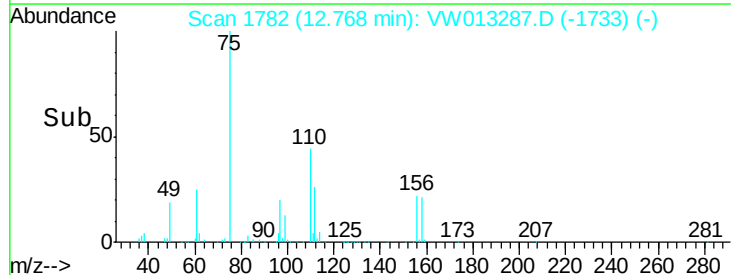


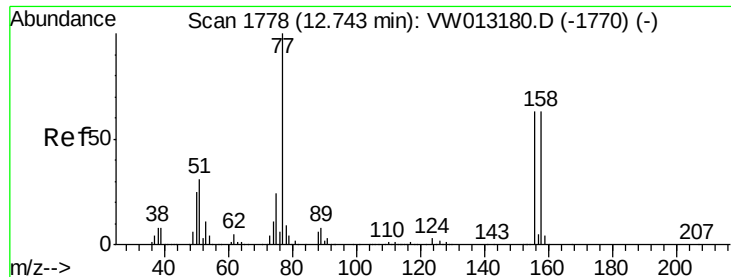
Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW



Time-->





#77

Bromobenzene

Concen: 50.082 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013287.D

Acq: 24 Sep 2019 19:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

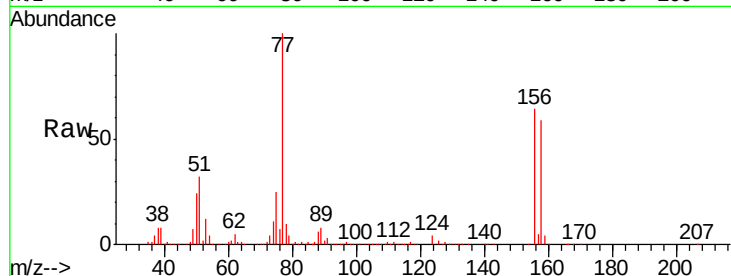
Tgt Ion:156 Resp: 204909

Ion Ratio Lower Upper

156 100

77 172.0 85.7 257.1

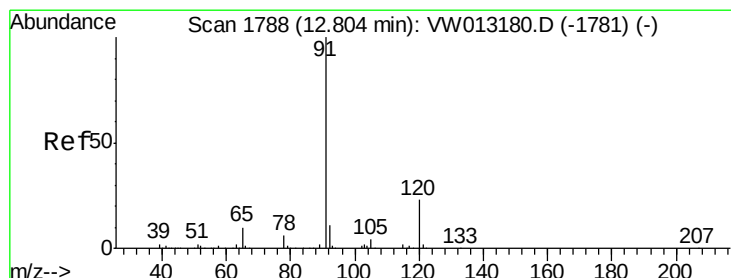
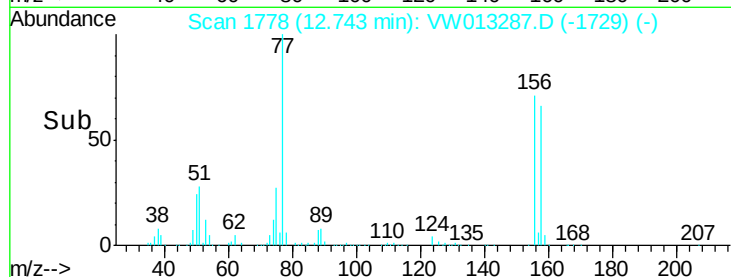
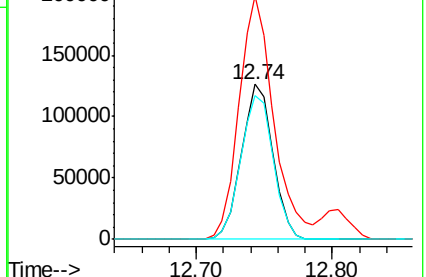
158 95.9 48.1 144.4



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: 48.701 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013287.D

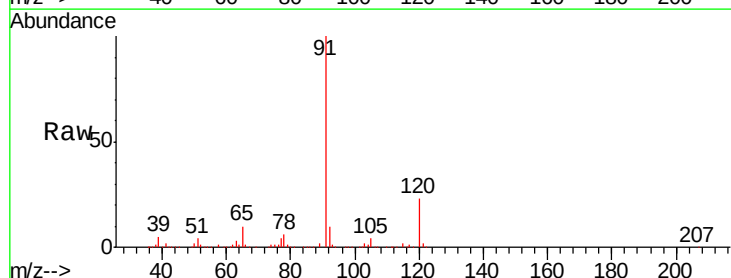
Acq: 24 Sep 2019 19:57

Tgt Ion: 91 Resp: 984258

Ion Ratio Lower Upper

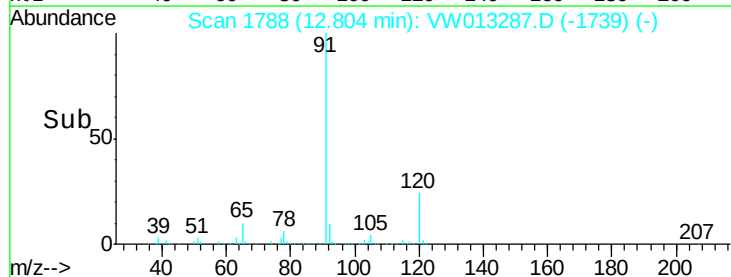
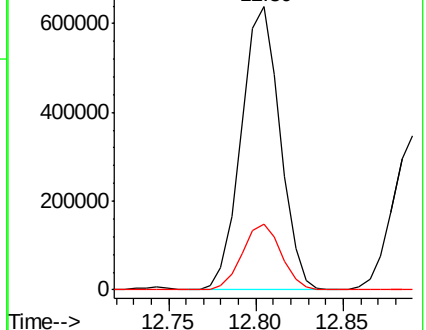
91 100

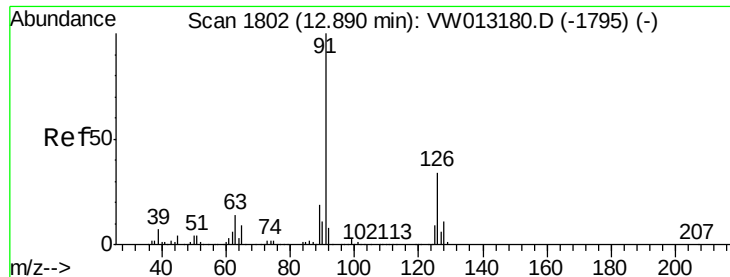
120 23.3 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.177 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013287.D

Acq: 24 Sep 2019 19:57

Instrument :

MSVOA_W

ClientSampleId :

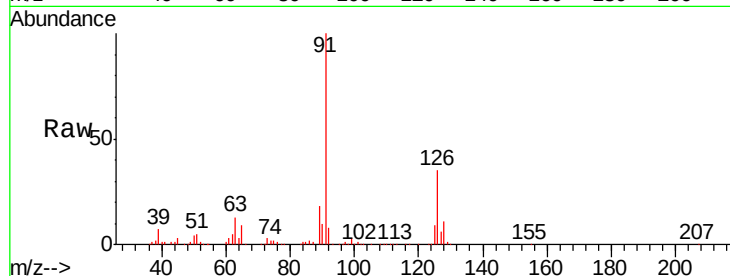
VSTDCCC050EC

Tgt Ion: 91 Resp: 556802

Ion Ratio Lower Upper

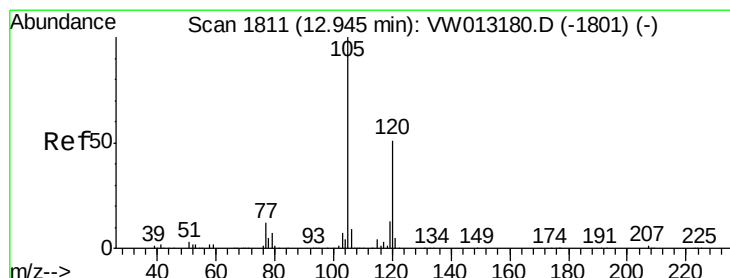
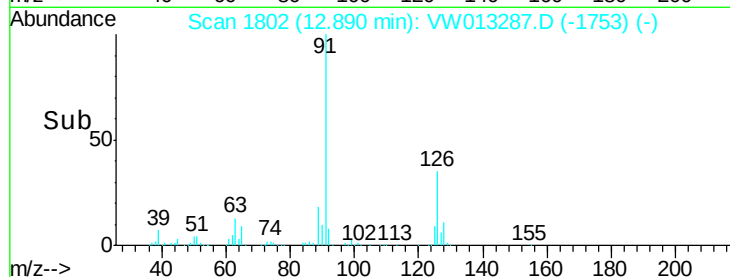
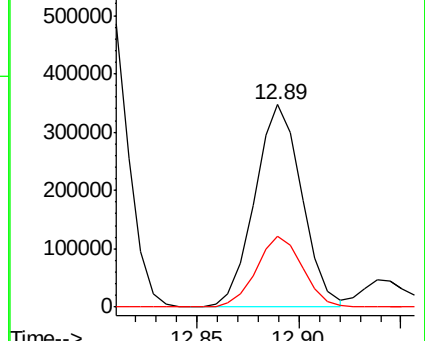
91 100

126 34.4 17.2 51.5



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: 49.060 ug/l

RT: 12.94 min Scan# 1810

Delta R.T. -0.01 min

Lab File: VW013287.D

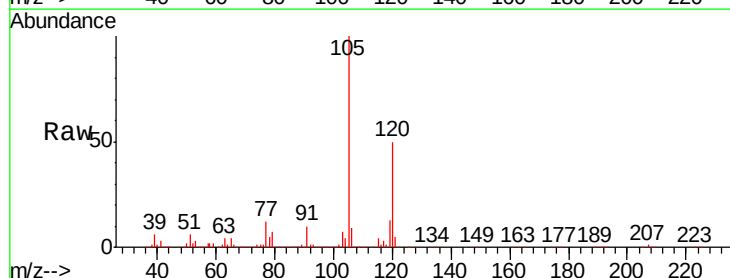
Acq: 24 Sep 2019 19:57

Tgt Ion: 105 Resp: 712031

Ion Ratio Lower Upper

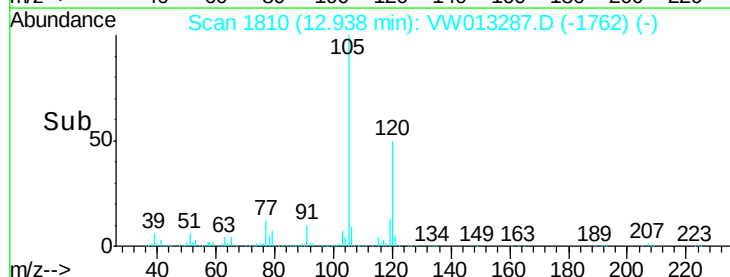
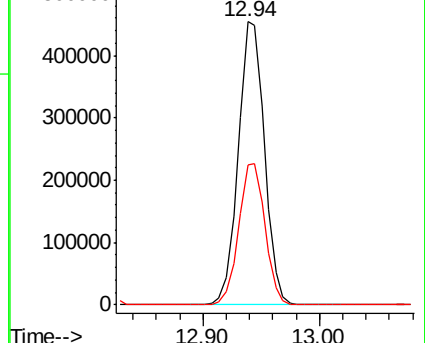
105 100

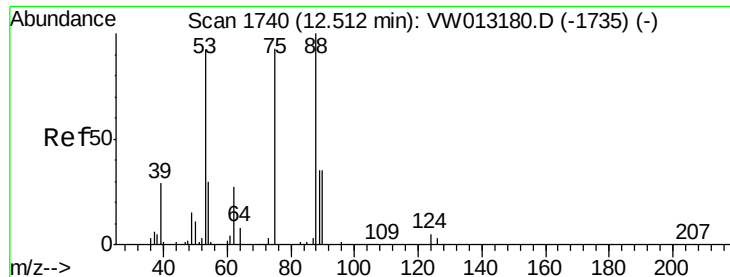
120 50.1 24.9 74.8



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: 53.129 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW013287.D

Acq: 24 Sep 2019 19:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

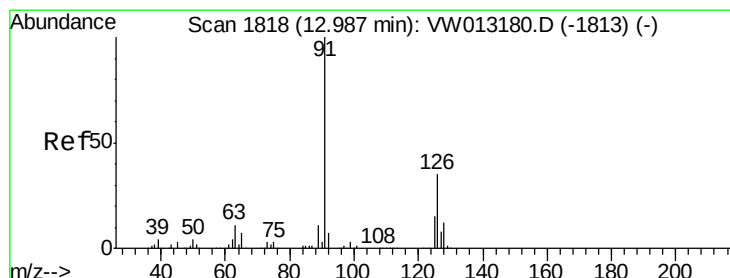
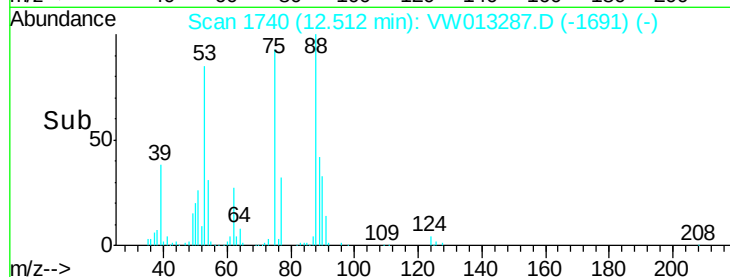
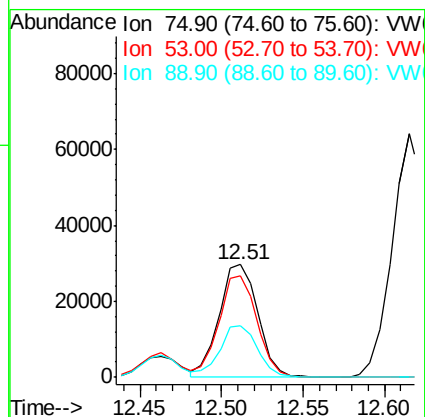
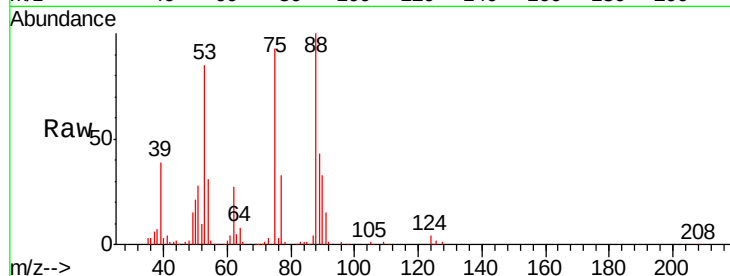
Tgt Ion: 75 Resp: 48872

Ion Ratio Lower Upper

75 100

53 89.8 76.6 114.8

89 45.3 33.5 50.3



#82

4-Chlorotoluene

Concen: 48.677 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW013287.D

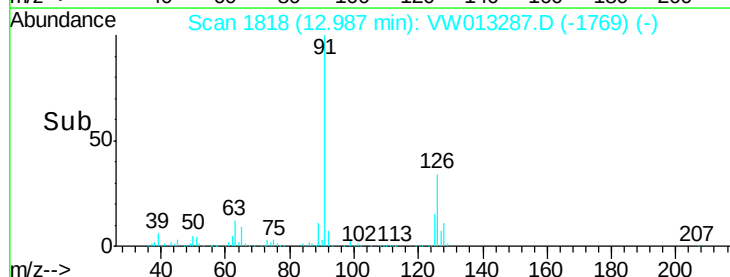
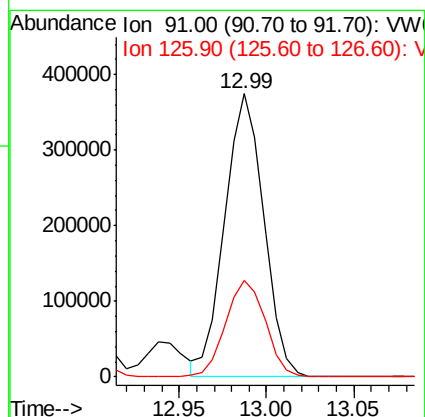
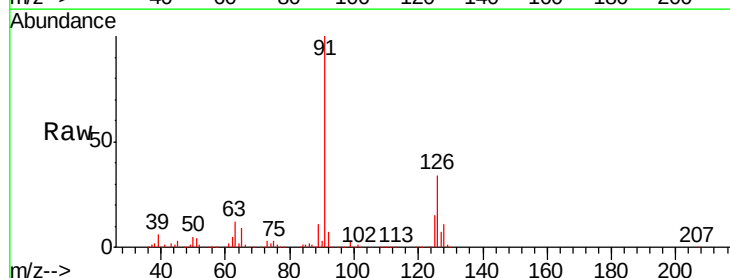
Acq: 24 Sep 2019 19:57

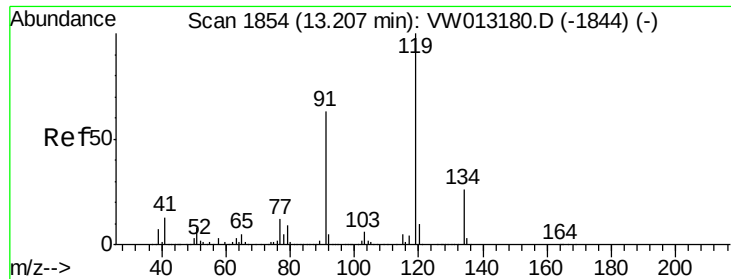
Tgt Ion: 91 Resp: 581202

Ion Ratio Lower Upper

91 100

126 34.7 17.3 51.7

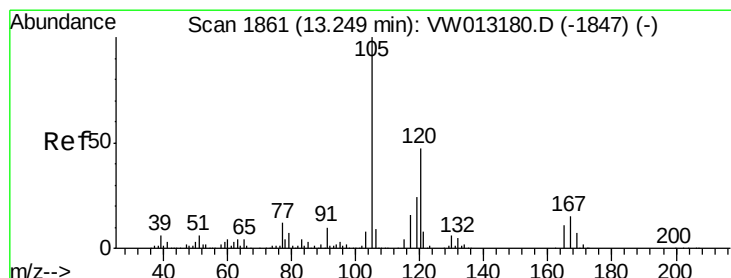
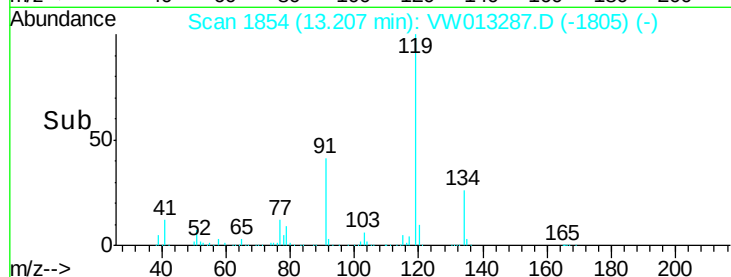
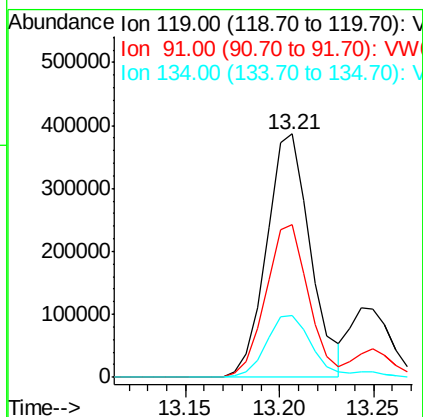
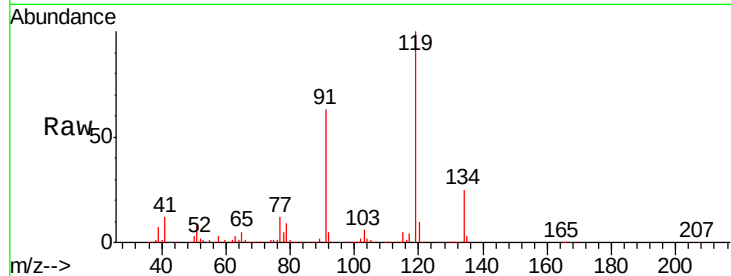




#83
 tert-Butylbenzene
 Concen: 48.935 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW013287.D
 Acq: 24 Sep 2019 19:57

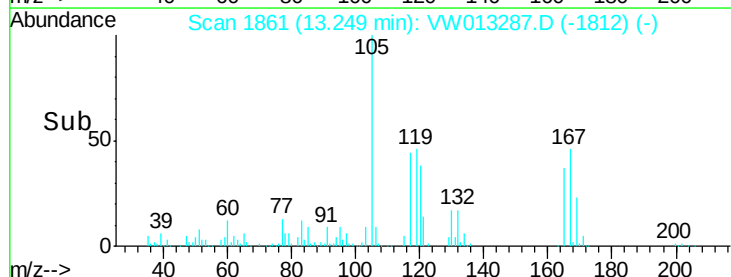
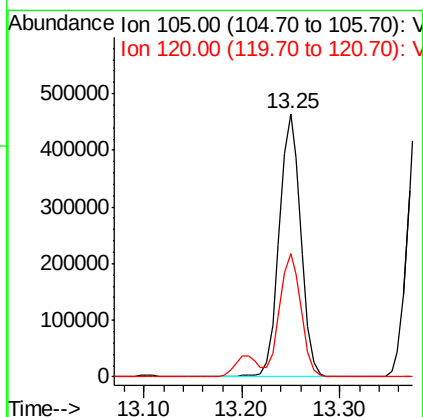
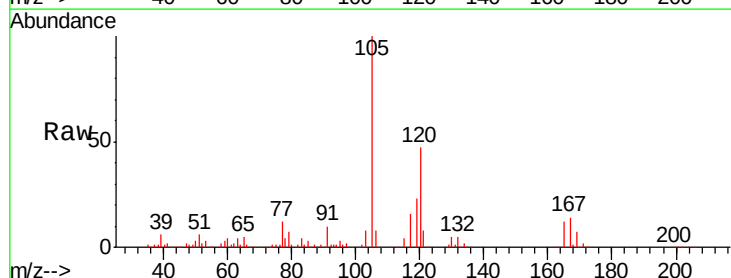
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

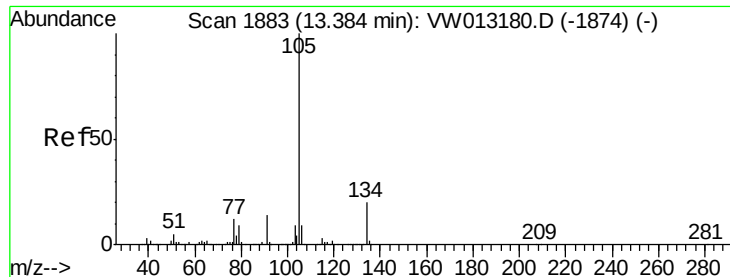
Tgt Ion:119 Resp: 623375
 Ion Ratio Lower Upper
 119 100
 91 61.4 30.7 92.1
 134 27.7 12.6 37.6



#84
 1,2,4-Trimethylbenzene
 Concen: 49.402 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW013287.D
 Acq: 24 Sep 2019 19:57

Tgt Ion:105 Resp: 713476
 Ion Ratio Lower Upper
 105 100
 120 46.9 23.4 70.3

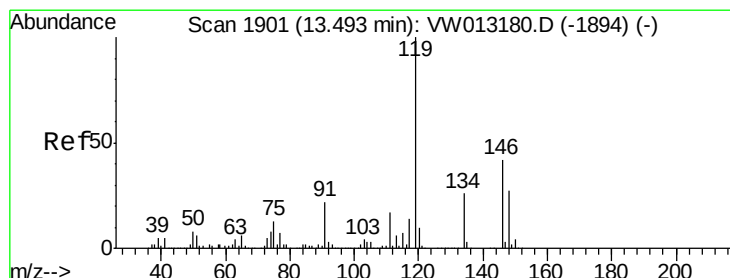
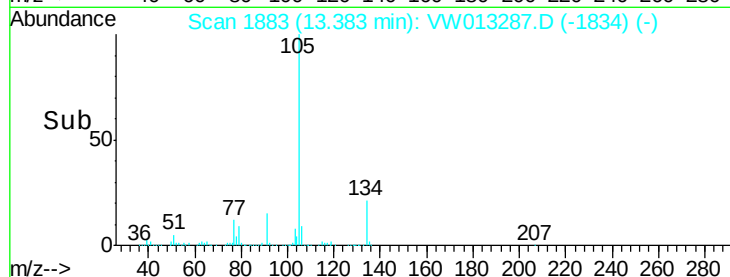
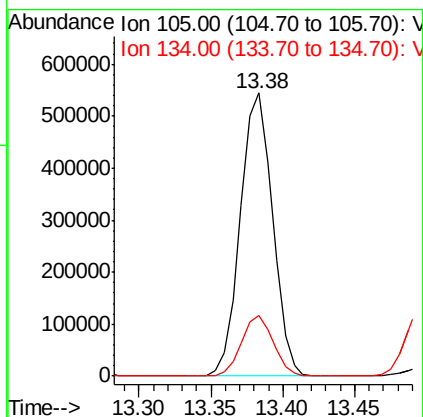
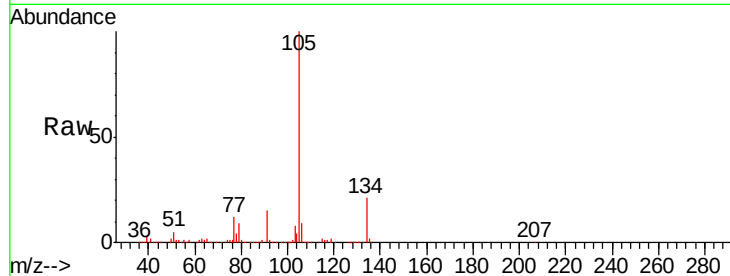




#85
 sec-Butylbenzene
 Concen: 48.197 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW013287.D
 Acq: 24 Sep 2019 19:57

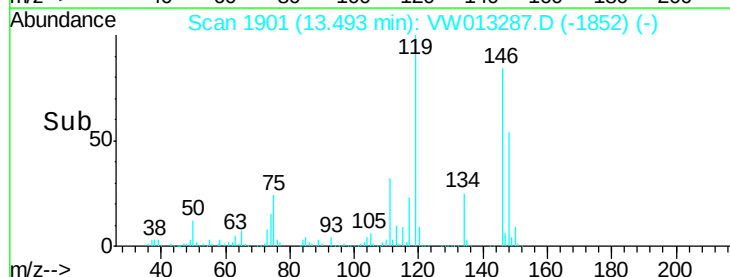
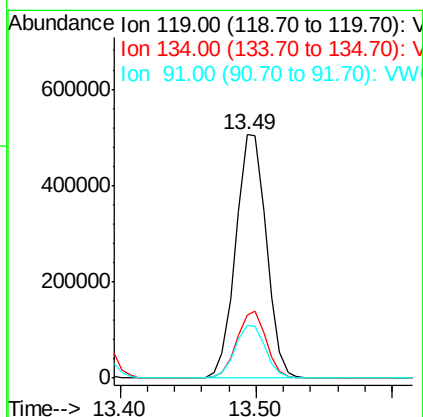
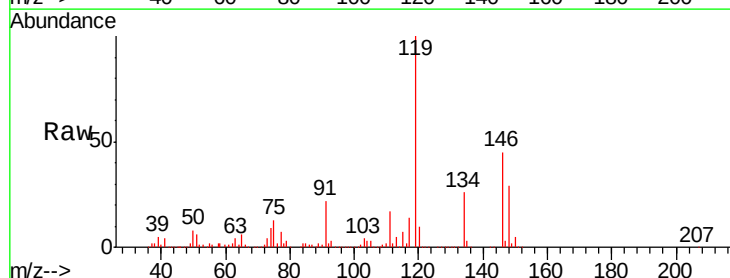
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

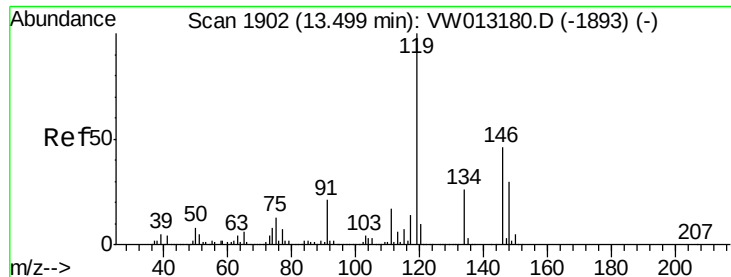
Tgt Ion:105 Resp: 846469
 Ion Ratio Lower Upper
 105 100
 134 21.1 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 48.614 ug/l
 RT: 13.49 min Scan# 1901
 Delta R.T. -0.00 min
 Lab File: VW013287.D
 Acq: 24 Sep 2019 19:57

Tgt Ion:119 Resp: 791899
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.3 39.8
 91 21.4 10.8 32.4

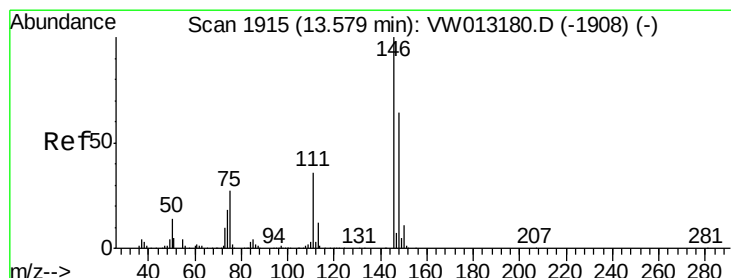
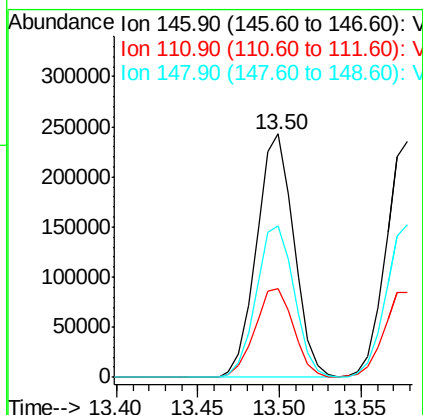
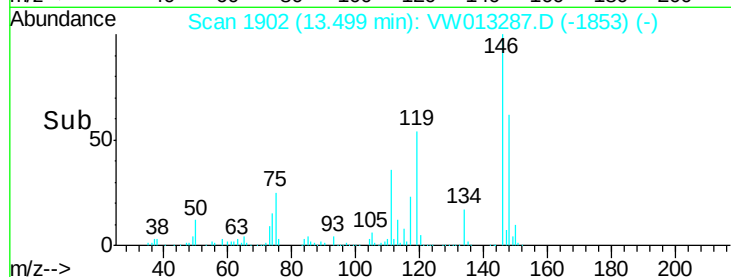
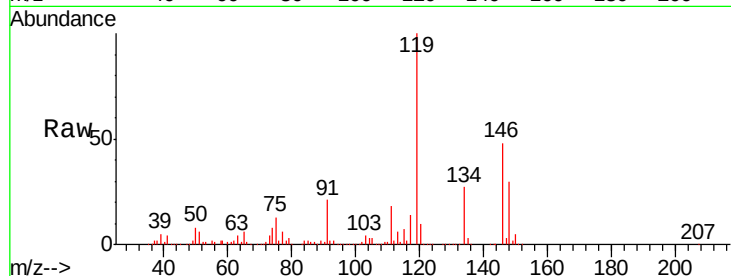




#87
 1,3-Dichlorobenzene
 Concen: 49.216 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013287.D
 Acq: 24 Sep 2019 19:57

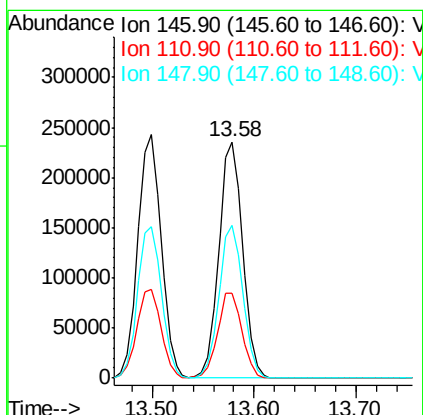
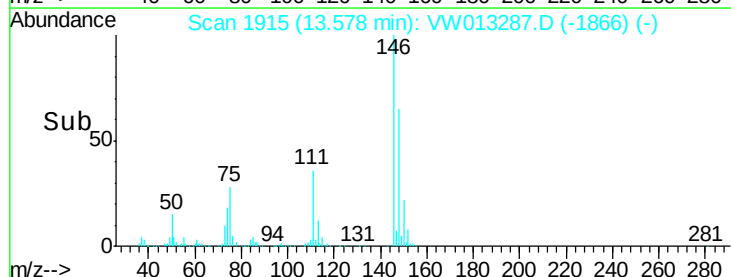
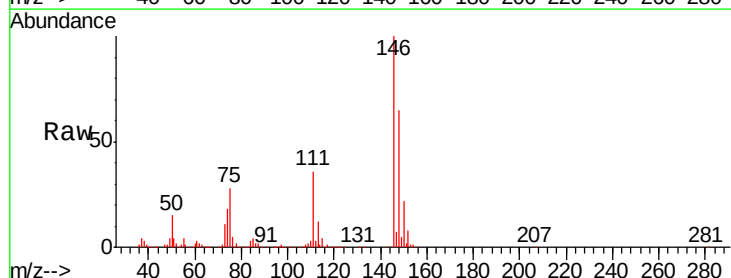
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

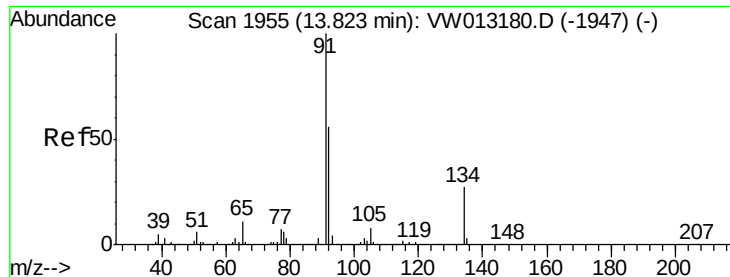
Tgt Ion:146 Resp: 387543
 Ion Ratio Lower Upper
 146 100
 111 37.7 18.9 56.9
 148 63.3 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 49.471 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013287.D
 Acq: 24 Sep 2019 19:57

Tgt Ion:146 Resp: 382051
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.4 55.0
 148 65.1 32.1 96.3





#89

n-Butylbenzene

Concen: 48.848 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW013287.D

Acq: 24 Sep 2019 19:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

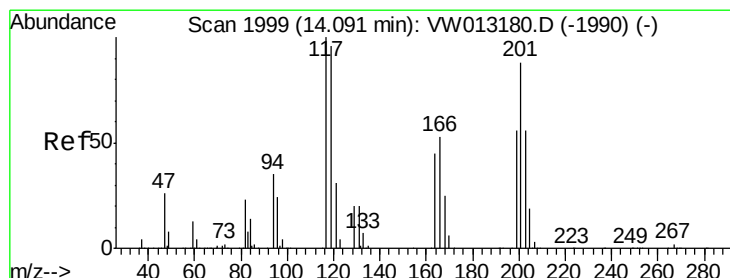
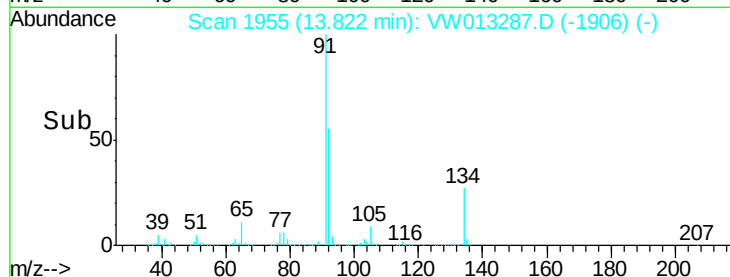
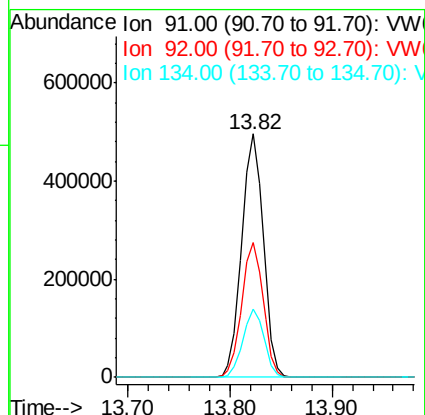
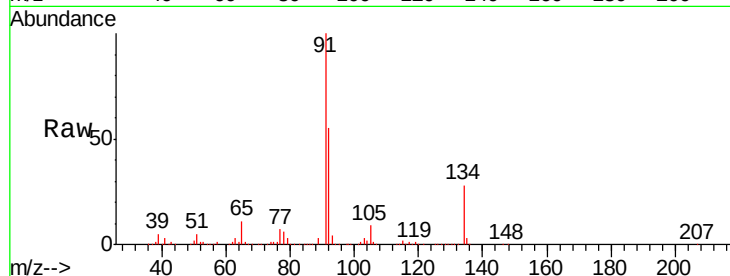
Tgt Ion: 91 Resp: 726569

Ion Ratio Lower Upper

91 100

92 54.9 27.6 82.8

134 27.5 13.7 41.1



#90

Hexachloroethane

Concen: 49.072 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW013287.D

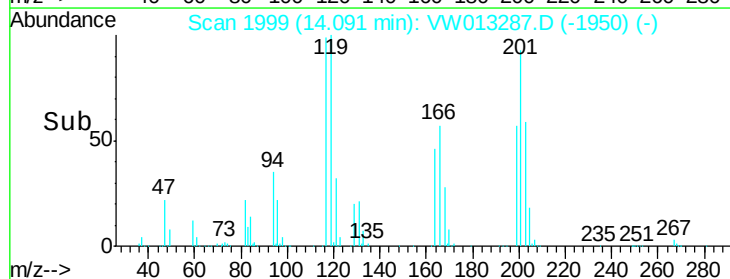
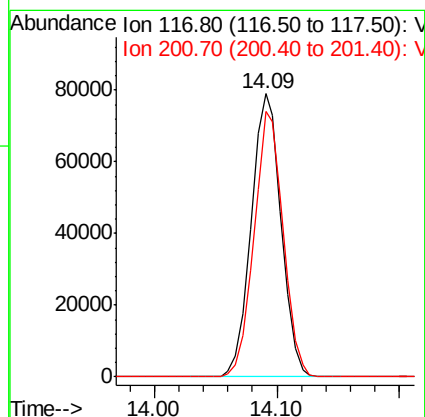
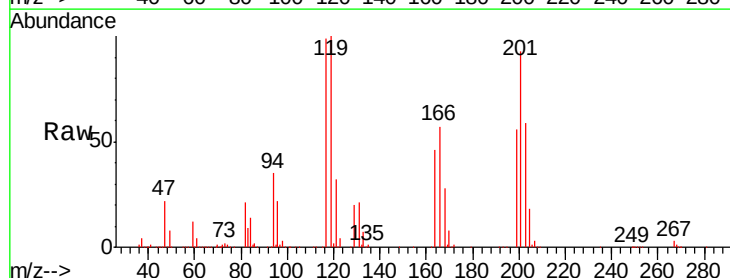
Acq: 24 Sep 2019 19:57

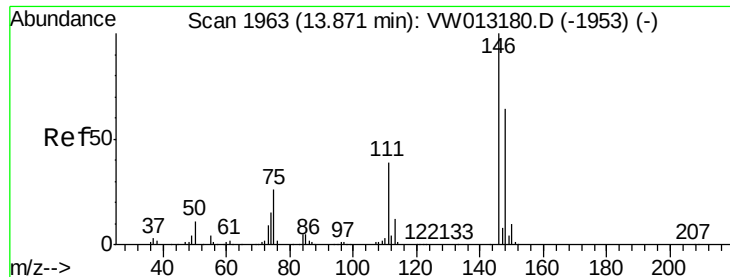
Tgt Ion: 117 Resp: 134287

Ion Ratio Lower Upper

117 100

201 91.4 44.5 133.5

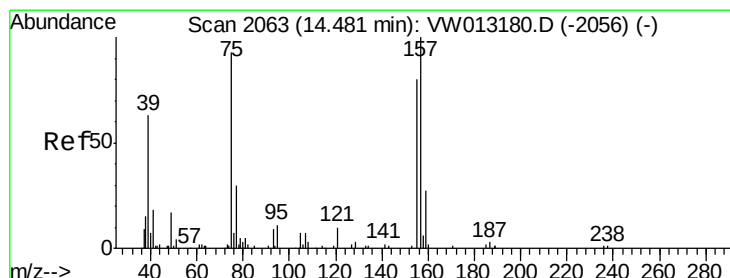
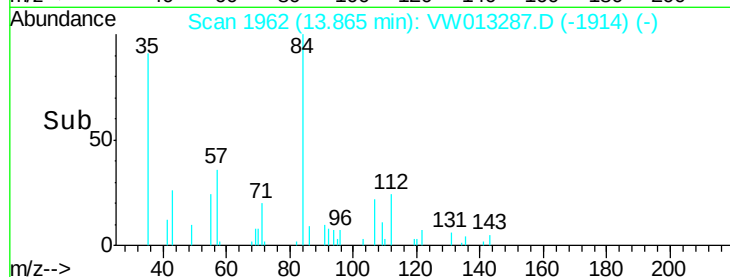
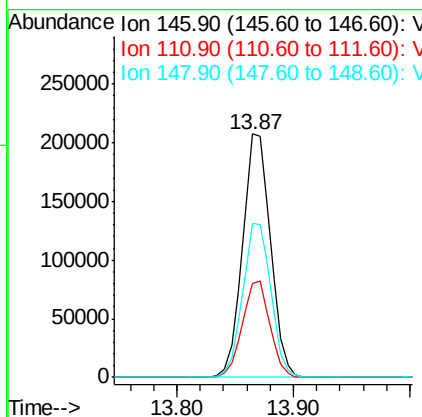
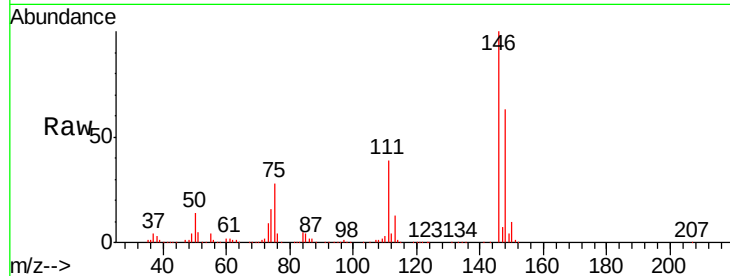




#91
 1,2-Dichlorobenzene
 Concen: 51.135 ug/l
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW013287.D
 Acq: 24 Sep 2019 19:57

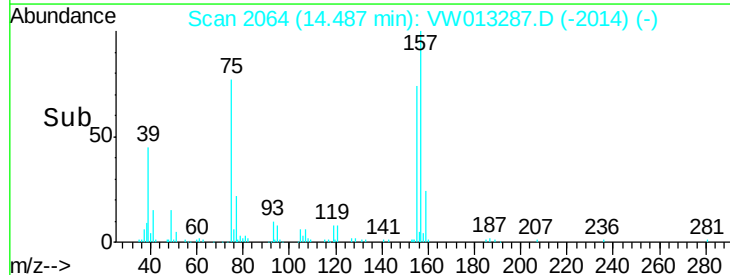
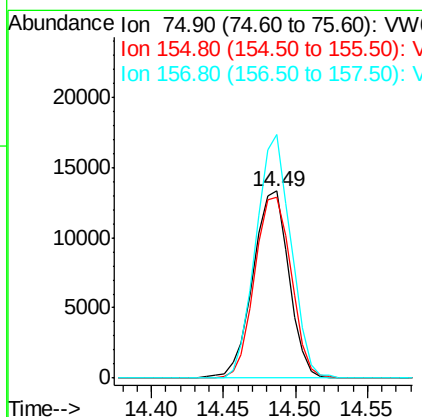
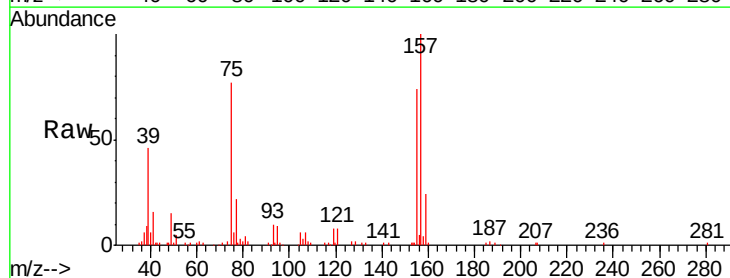
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

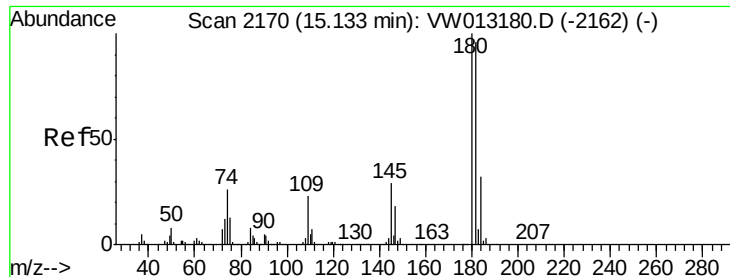
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	20.1	60.3
148	63.7	32.0	96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.026 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW013287.D
 Acq: 24 Sep 2019 19:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.8	46.1	138.3
157	126.7	60.4	181.2

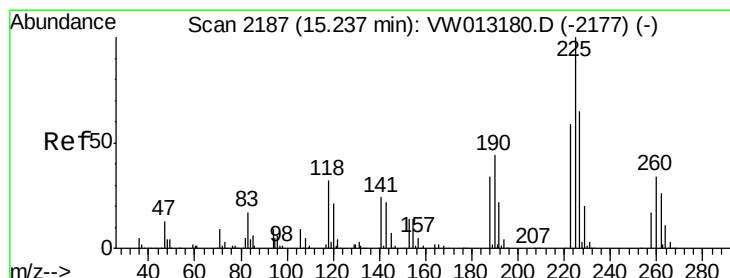
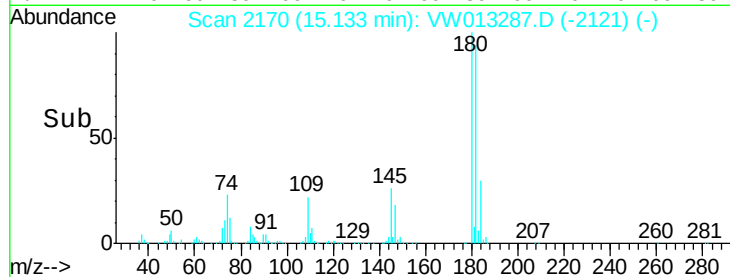
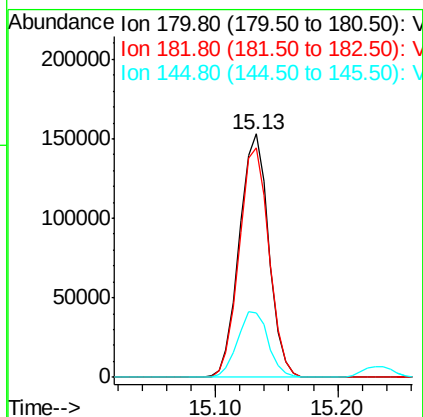
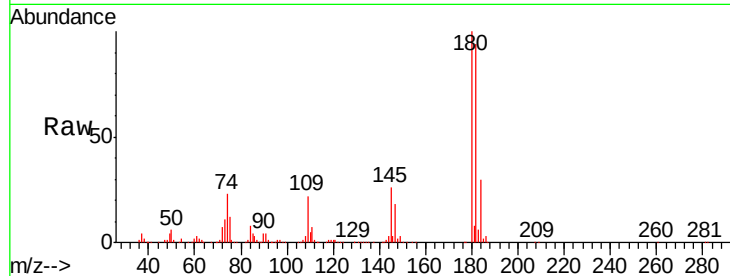




#93
 1,2,4-Trichlorobenzene
 Concen: 52.146 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013287.D
 Acq: 24 Sep 2019 19:57

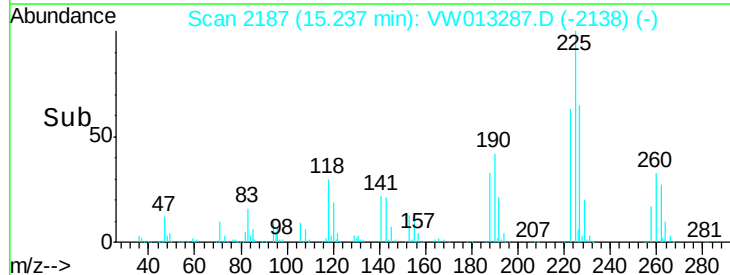
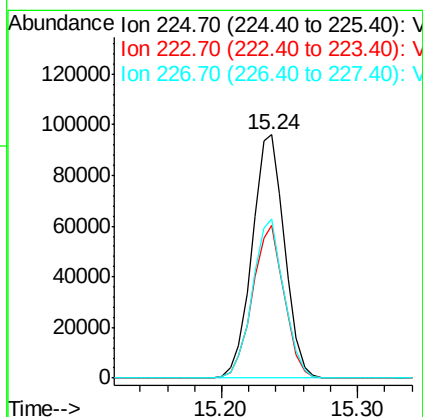
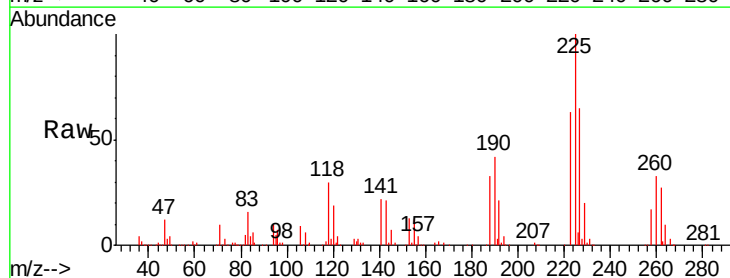
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

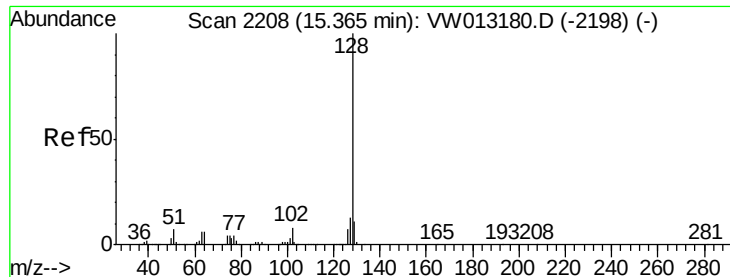
Tgt Ion:180 Resp: 254554
 Ion Ratio Lower Upper
 180 100
 182 95.7 47.3 142.0
 145 28.1 14.2 42.8



#94
 Hexachlorobutadiene
 Concen: 48.037 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW013287.D
 Acq: 24 Sep 2019 19:57

Tgt Ion:225 Resp: 160428
 Ion Ratio Lower Upper
 225 100
 223 61.4 30.6 91.8
 227 64.0 31.9 95.9





#95

Naphthalene

Concen: 56.639 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW013287.D

Acq: 24 Sep 2019 19:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

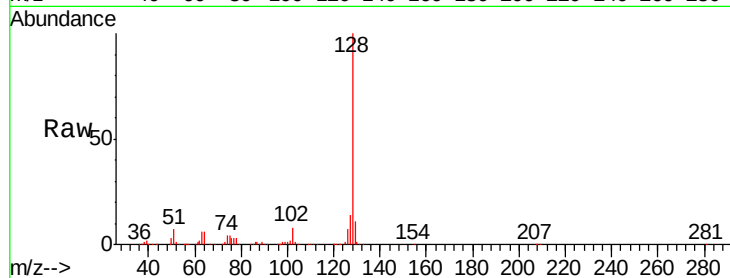
Tgt Ion:128 Resp: 452200

Ion Ratio Lower Upper

128 100

127 13.5 10.6 15.8

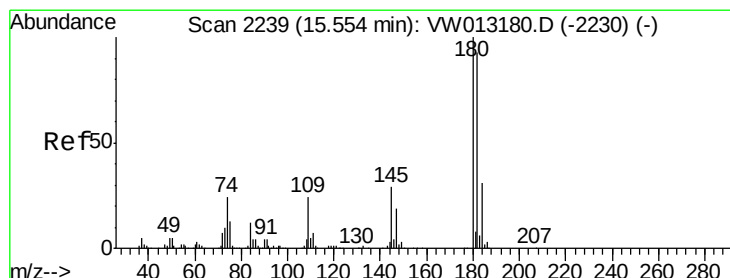
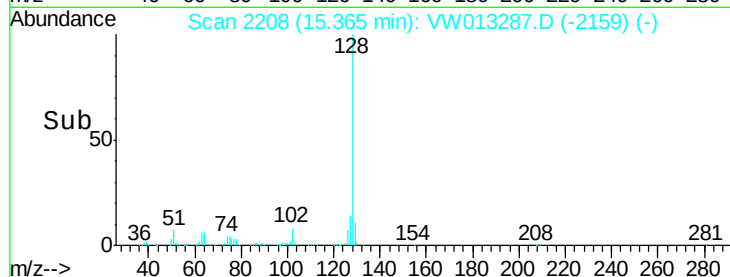
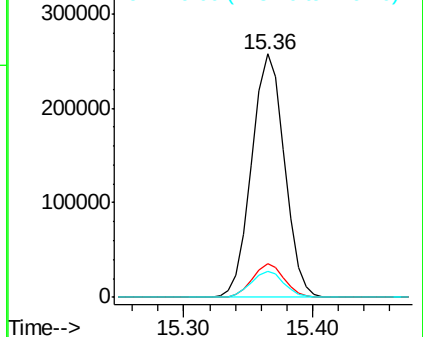
129 10.7 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 53.747 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW013287.D

Acq: 24 Sep 2019 19:57

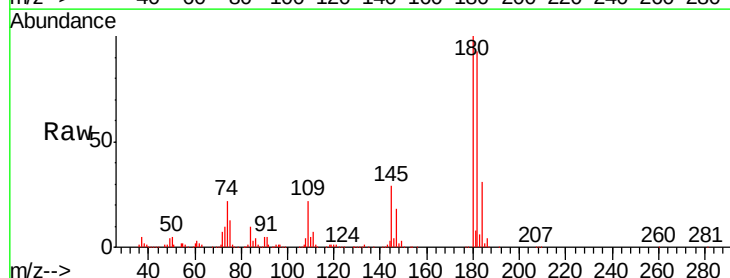
Tgt Ion:180 Resp: 226703

Ion Ratio Lower Upper

180 100

182 93.5 47.9 143.7

145 30.0 15.0 45.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

