

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092419\
 Data File : VW013267.D
 Acq On : 24 Sep 2019 10:57
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 25 07:08:34 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	379014	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	551901	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	476884	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	240342	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	149072	48.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.38%	
35) Dibromofluoromethane	7.88	113	152236	50.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.30%	
50) Toluene-d8	10.32	98	635059	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	
62) 4-Bromofluorobenzene	12.62	95	217677	50.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	98334	44.978	ug/l	97
3) Chloromethane	2.21	50	129602	46.115	ug/l	98
4) Vinyl Chloride	2.36	62	179722	49.603	ug/l	100
5) Bromomethane	2.78	94	112614	49.046	ug/l	94
6) Chloroethane	2.92	64	105705	49.495	ug/l	94
7) Trichlorofluoromethane	3.26	101	94731	45.343	ug/l	98
8) Diethyl Ether	3.68	74	88493	49.589	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	173083	50.886	ug/l	99
10) Methyl Iodide	4.27	142	278622	52.834	ug/l	98
11) Tert butyl alcohol	5.20	59	47978	214.006	ug/l	100
12) 1,1-Dichloroethene	4.04	96	182581	51.837	ug/l	97
13) Acrolein	3.89	56	43196	242.583	ug/l	100
14) Allyl chloride	4.66	41	291391	51.982	ug/l	99
15) Acrylonitrile	5.37	53	191820	249.040	ug/l	99
16) Acetone	4.13	43	176297	252.728	ug/l	97
17) Carbon Disulfide	4.38	76	521933	51.268	ug/l	99
18) Methyl Acetate	4.67	43	88971	45.373	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	271145	50.228	ug/l	97
20) Methylene Chloride	4.92	84	184322	51.768	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	195513	51.357	ug/l	98
22) Diisopropyl ether	6.31	45	549860	51.583	ug/l	98
23) Vinyl Acetate	6.25	43	1625298	257.010	ug/l	99
24) 1,1-Dichloroethane	6.21	63	330379	51.362	ug/l	99
25) 2-Butanone	7.17	43	243426	232.459	ug/l	96
26) 2,2-Dichloropropane	7.16	77	198097	51.577	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	208690	51.945	ug/l	99
28) Bromochloromethane	7.51	49	132449	53.651	ug/l	99
29) Tetrahydrofuran	7.52	42	152339	237.215	ug/l	99
30) Chloroform	7.68	83	313301	49.750	ug/l	96
31) Cyclohexane	7.95	56	328033	48.923	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	254049	49.809	ug/l	99
36) 1,1-Dichloropropene	8.08	75	266028	49.766	ug/l	99
37) Ethyl Acetate	7.25	43	108732	47.860	ug/l	98
38) Carbon Tetrachloride	8.07	117	236036	49.257	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	350121	50.967	ug/l	99
40) Benzene	8.32	78	753707	50.549	ug/l	99
41) Methacrylonitrile	7.48	41	65051	47.975	ug/l	97
42) 1,2-Dichloroethane	8.40	62	193994	48.399	ug/l	98
43) Isopropyl Acetate	8.42	43	212659	48.840	ug/l	100
44) Trichloroethene	9.09	130	212239	50.734	ug/l	94
45) 1,2-Dichloropropane	9.37	63	188270	51.719	ug/l	98
46) Dibromomethane	9.46	93	87213	49.348	ug/l	98
47) Bromodichloromethane	9.65	83	226751	50.422	ug/l	99
48) Methyl methacrylate	9.43	41	99884	48.784	ug/l	99
49) 1,4-Dioxane	9.46	88	23806	897.366	ug/l #	91
51) 4-Methyl-2-Pentanone	10.21	43	514599	235.744	ug/l	99
52) Toluene	10.38	92	485778	50.835	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	237427	51.388	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	295128	52.536	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	131447	49.761	ug/l	97
56) Ethyl methacrylate	10.64	69	177566	51.362	ug/l	96
57) 1,3-Dichloropropane	10.93	76	230402	49.982	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	405677	253.476	ug/l	99
59) 2-Hexanone	10.97	43	369163	245.812	ug/l	99
60) Dibromochloromethane	11.13	129	151504	50.510	ug/l	100
61) 1,2-Dibromoethane	11.23	107	124632	49.623	ug/l	100
64) Tetrachloroethene	10.86	164	182761	50.510	ug/l	99
65) Chlorobenzene	11.66	112	500418	50.251	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	176264	51.811	ug/l	99
67) Ethyl Benzene	11.73	91	930234	51.555	ug/l	100
68) m/p-Xylenes	11.83	106	706372	102.735	ug/l	100
69) o-Xylene	12.16	106	328469	51.384	ug/l	99
70) Styrene	12.18	104	570840	52.015	ug/l	99
71) Bromoform	12.35	173	88966	49.499	ug/l #	98
73) Isopropylbenzene	12.46	105	916205	51.605	ug/l	100
74) N-amyl acetate	12.27	43	197818	50.212	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	141414	47.626	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	183888	86.636	ug/l #	100
77) Bromobenzene	12.74	156	212086	50.409	ug/l	99
78) n-propylbenzene	12.80	91	1069231	51.450	ug/l	99
79) 2-Chlorotoluene	12.89	91	590554	50.723	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	773046	51.798	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	48802	51.593	ug/l	94
82) 4-Chlorotoluene	12.99	91	615806	50.156	ug/l	99
83) tert-Butylbenzene	13.21	119	684630	52.265	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	770286	51.868	ug/l	98
85) sec-Butylbenzene	13.38	105	926773	51.317	ug/l	99
86) p-Isopropyltoluene	13.49	119	865738	51.684	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	411581	50.830	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	407888	51.363	ug/l	100
89) n-Butylbenzene	13.82	91	809088	52.899	ug/l	99
90) Hexachloroethane	14.09	117	146077	51.912	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	359970	51.387	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	22214	48.912	ug/l	95

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Quant Title : SW846 8260
QLast Update : Fri Sep 20 15:58:08 2019
Response via : Initial Calibration

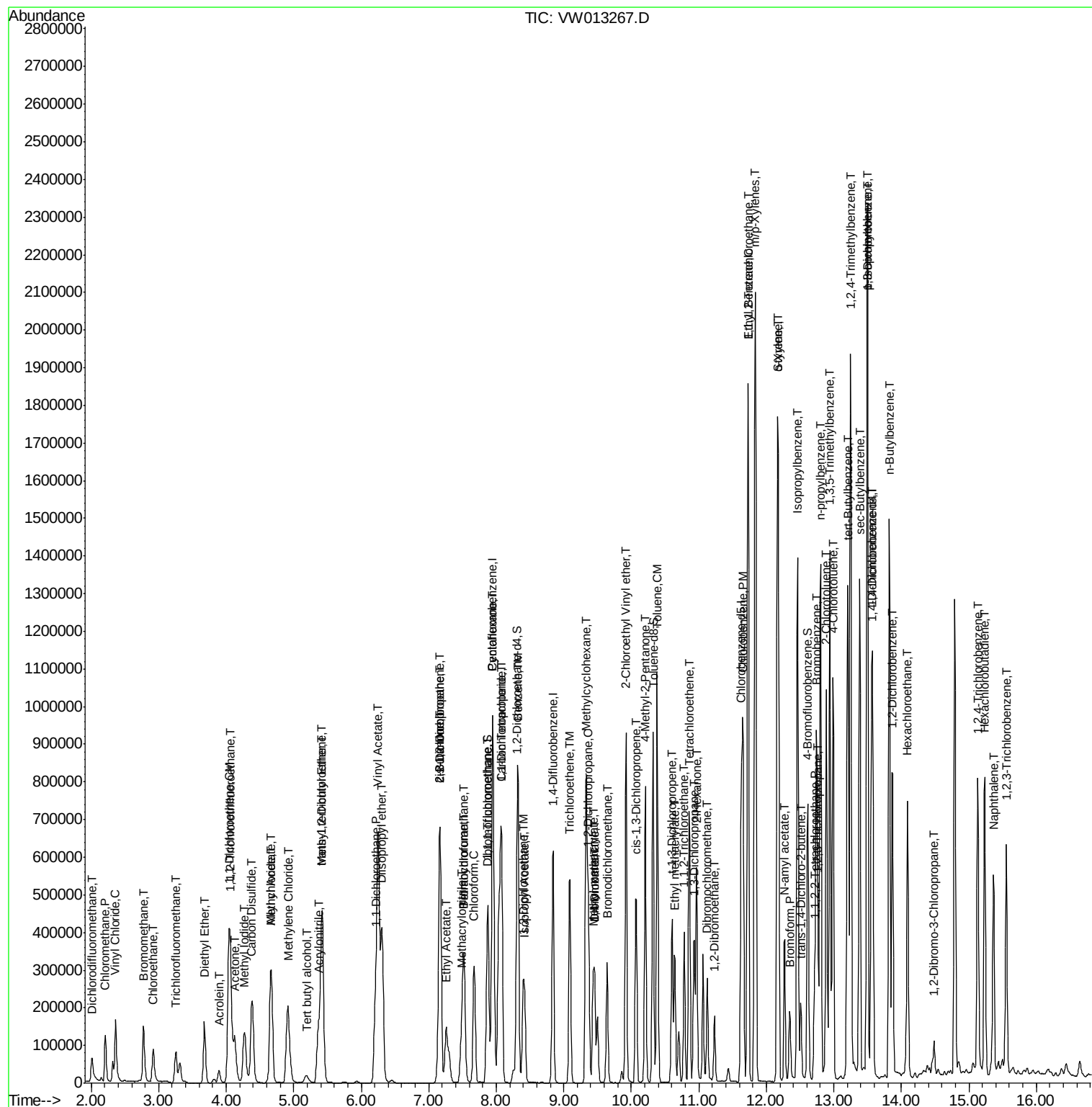
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	277658	55.314	ug/l	100
94) Hexachlorobutadiene	15.24	225	175247	51.030	ug/l	97
95) Naphthalene	15.36	128	473124	57.629	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	237656	54.793	ug/l	99

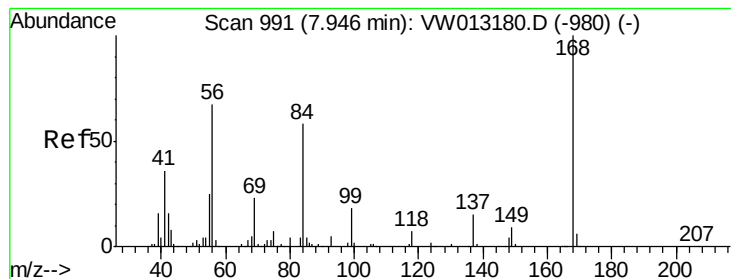
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013267.D

Acq: 24 Sep 2019 10:57

Instrument :

MSVOA_W

ClientSampleId :

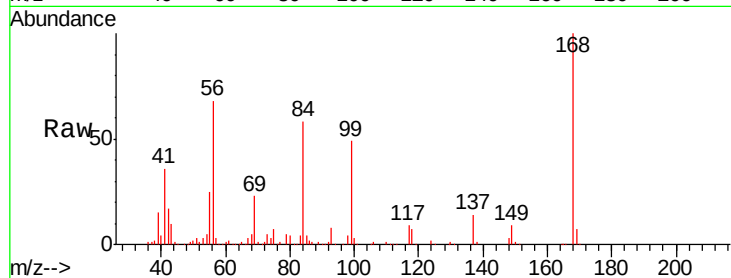
VSTDCCC050

Tgt Ion:168 Resp: 379014

Ion Ratio Lower Upper

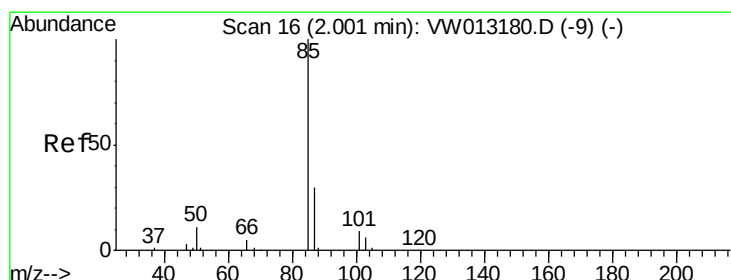
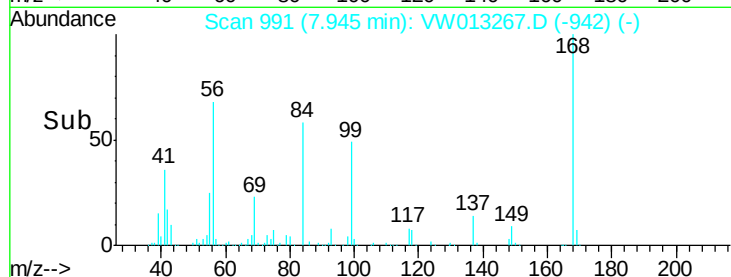
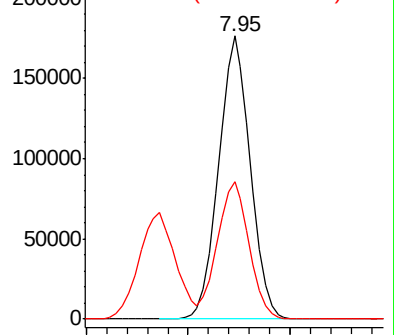
168 100

99 48.6 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: 44.978 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW013267.D

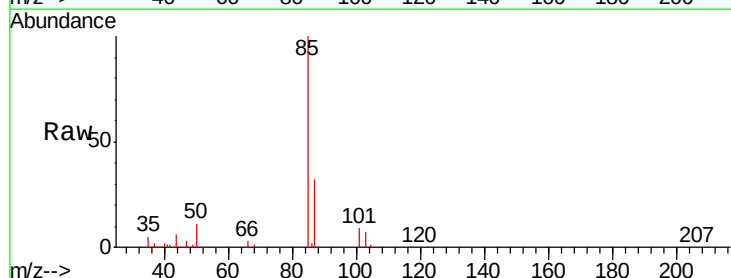
Acq: 24 Sep 2019 10:57

Tgt Ion: 85 Resp: 98334

Ion Ratio Lower Upper

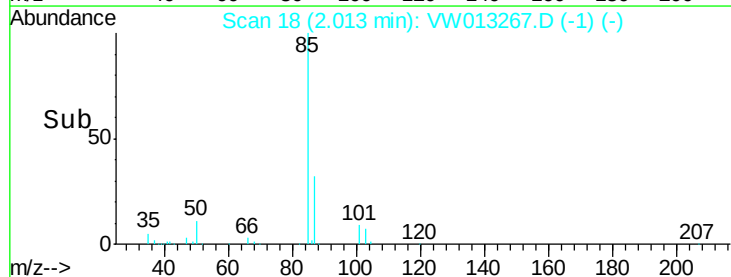
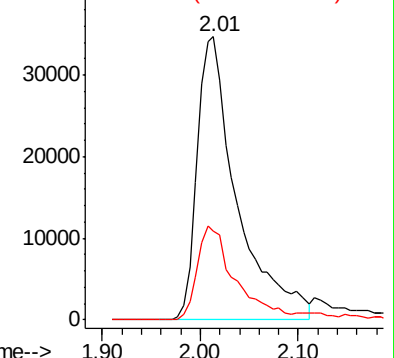
85 100

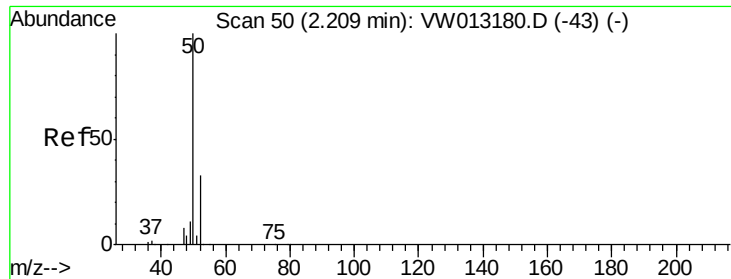
87 31.6 15.1 45.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 46.115 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW013267.D

Acq: 24 Sep 2019 10:57

Instrument :

MSVOA_W

ClientSampleId :

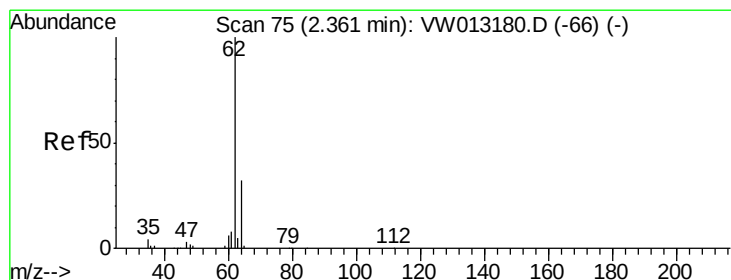
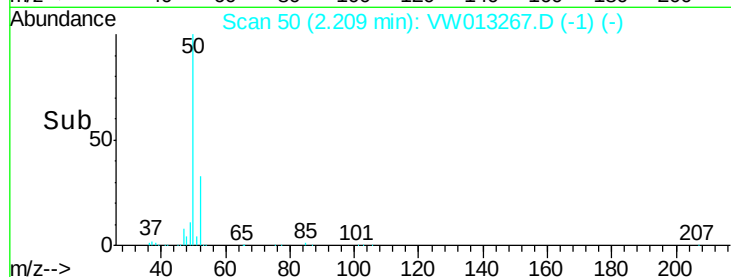
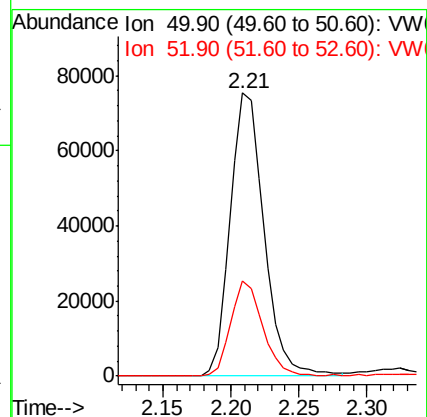
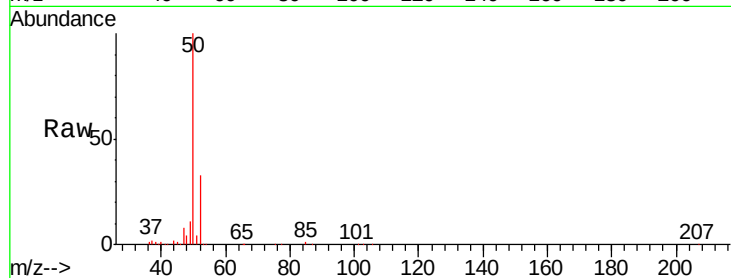
VSTDCCC050

Tgt Ion: 50 Resp: 129602

Ion Ratio Lower Upper

50 100

52 33.5 26.1 39.1



#4

Vinyl Chloride

Concen: 49.603 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW013267.D

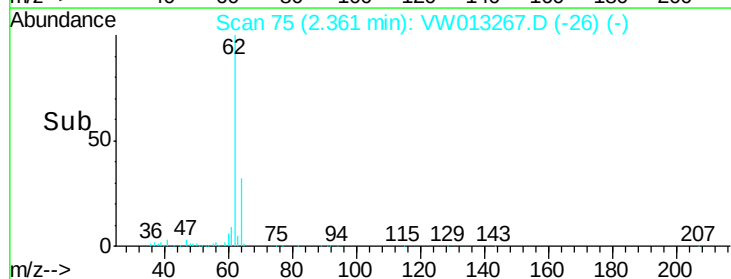
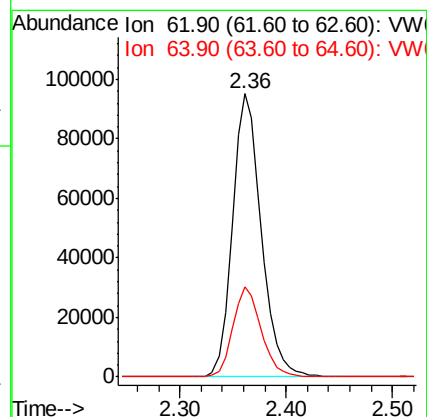
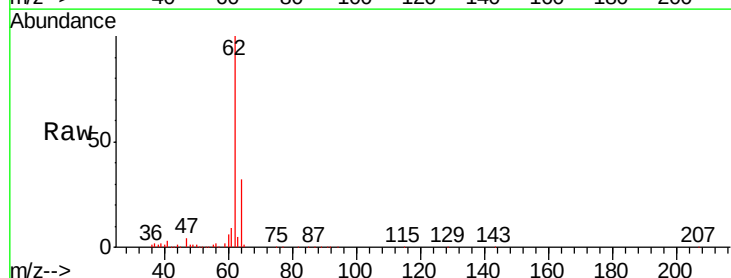
Acq: 24 Sep 2019 10:57

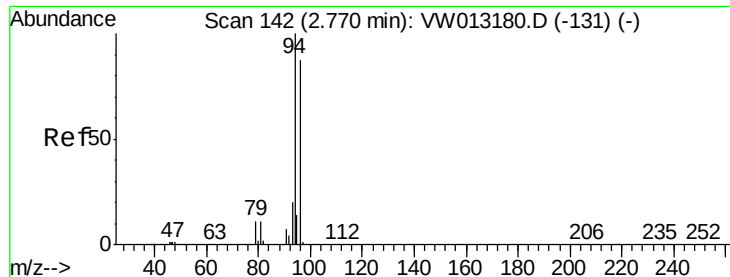
Tgt Ion: 62 Resp: 179722

Ion Ratio Lower Upper

62 100

64 31.9 25.3 37.9





#5

Bromomethane

Concen: 49.046 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.01 min

Lab File: VW013267.D

Acq: 24 Sep 2019 10:57

Instrument :

MSVOA_W

ClientSampleId :

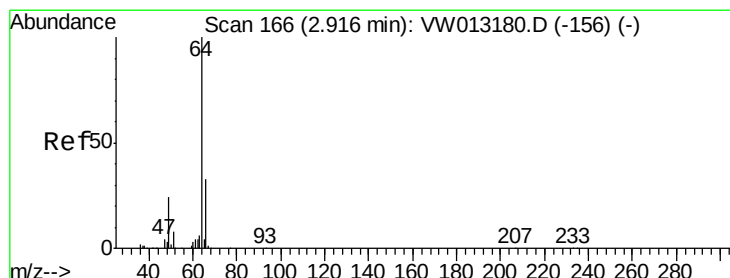
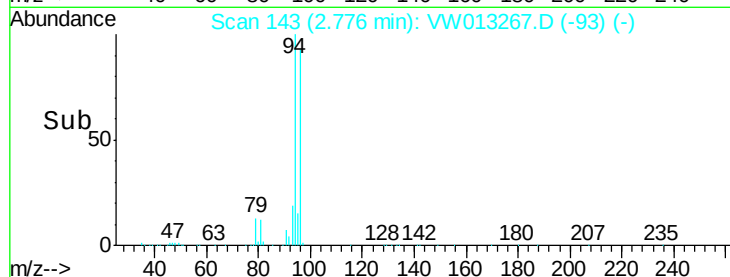
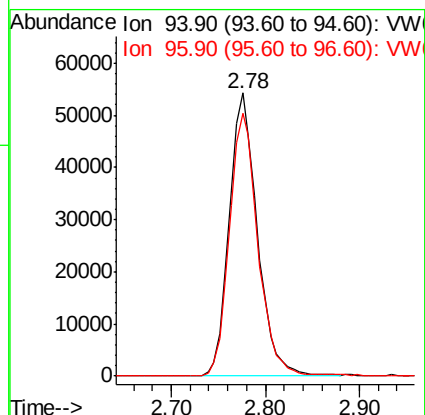
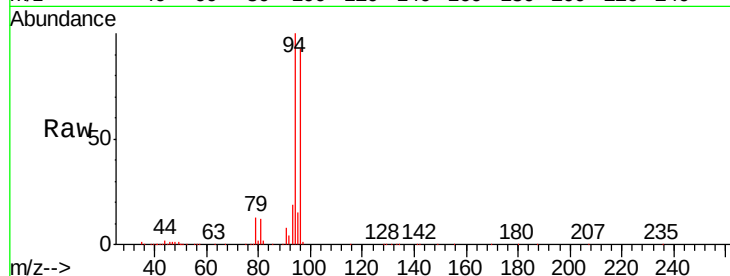
VSTDCCC050

Tgt Ion: 94 Resp: 112614

Ion Ratio Lower Upper

94 100

96 92.7 69.7 104.5



#6

Chloroethane

Concen: 49.495 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.01 min

Lab File: VW013267.D

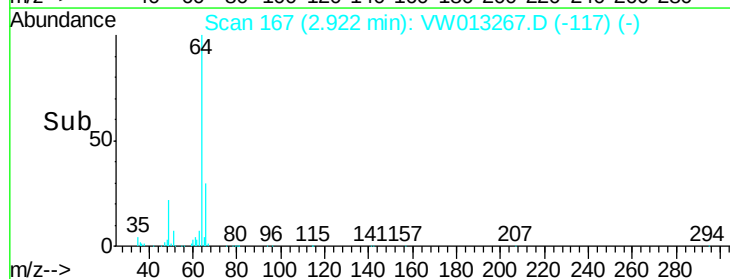
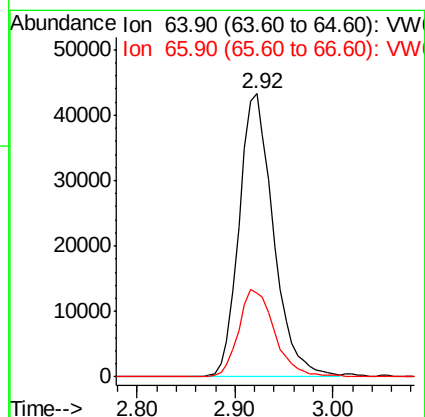
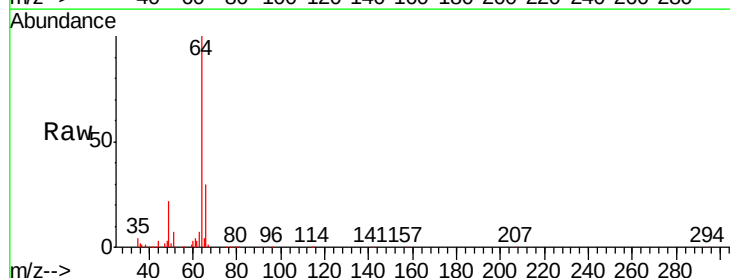
Acq: 24 Sep 2019 10:57

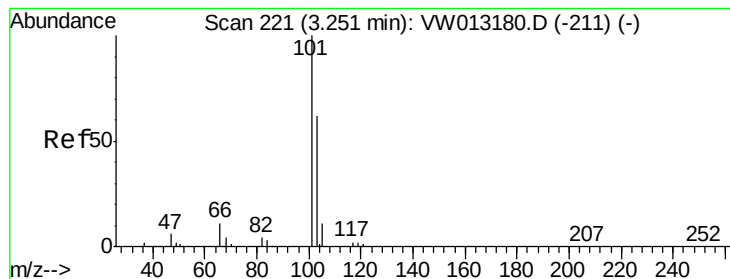
Tgt Ion: 64 Resp: 105705

Ion Ratio Lower Upper

64 100

66 29.7 26.6 39.8



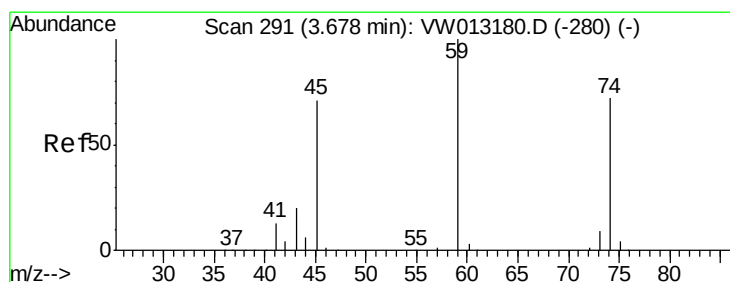
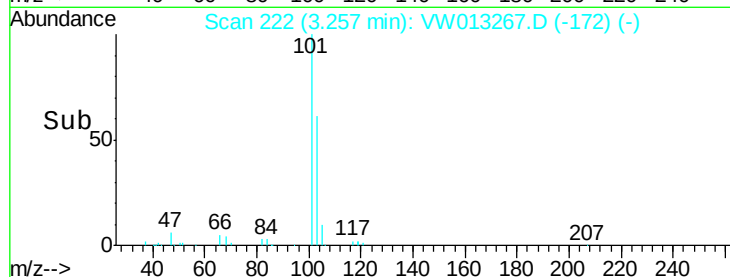
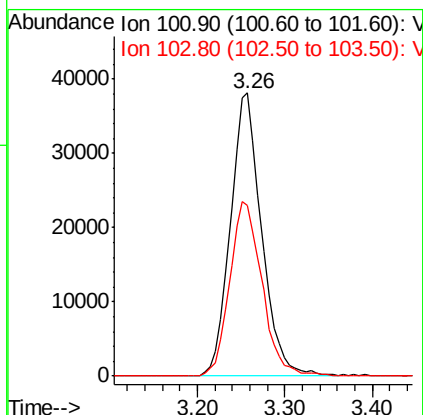
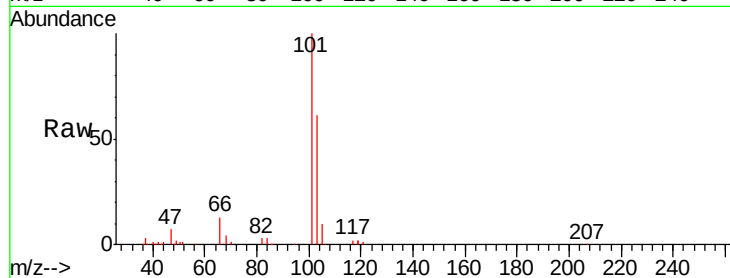


#7

Trichlorofluoromethane
Concen: 45.343 ug/l
RT: 3.26 min Scan# 222
Delta R.T. 0.01 min
Lab File: VW013267.D
Acq: 24 Sep 2019 10:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

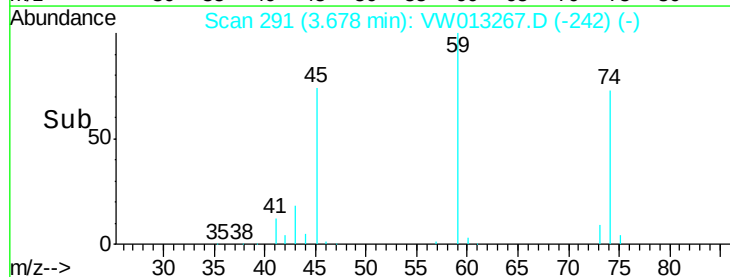
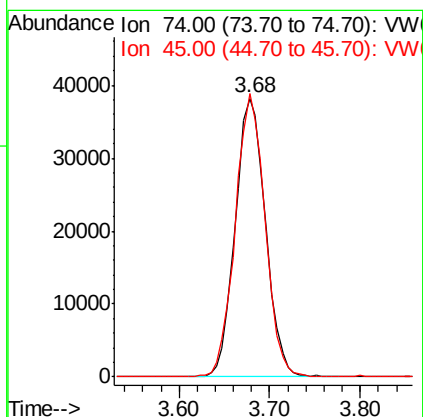
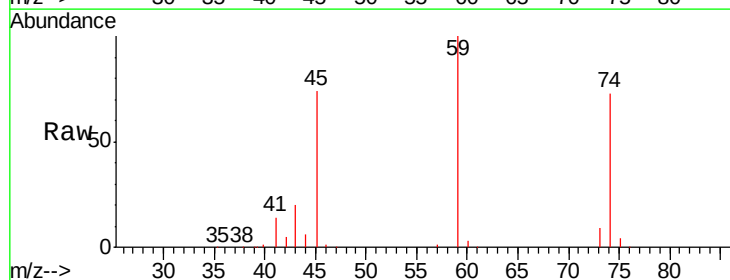
Tgt Ion: 101 Resp: 94731
Ion Ratio Lower Upper
101 100
103 60.5 49.7 74.5

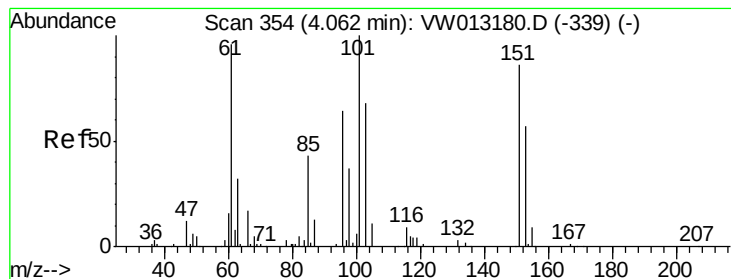


#8

Diethyl Ether
Concen: 49.589 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW013267.D
Acq: 24 Sep 2019 10:57

Tgt Ion: 74 Resp: 88493
Ion Ratio Lower Upper
74 100
45 99.9 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.886 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW013267.D

Acq: 24 Sep 2019 10:57

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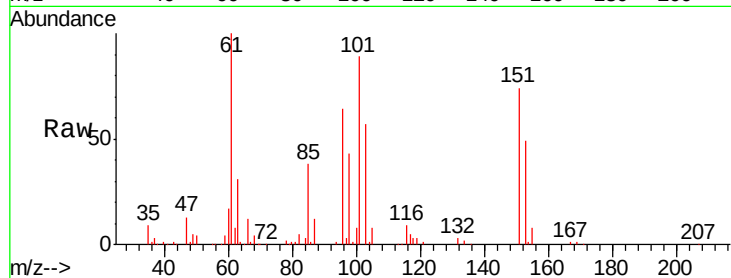
Tgt Ion:101 Resp: 173083

Ion Ratio Lower Upper

101 100

85 40.6 33.4 50.0

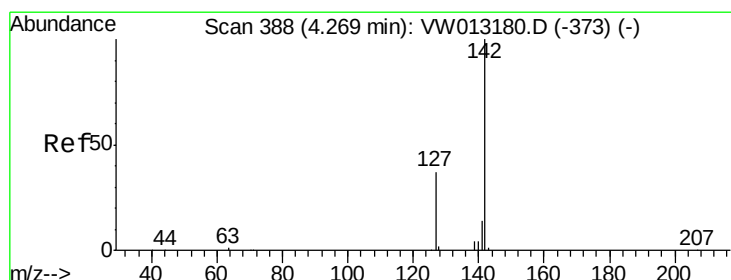
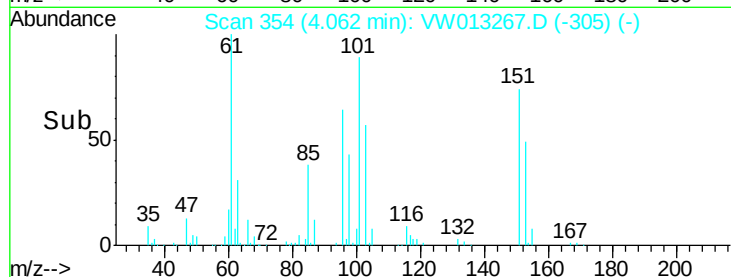
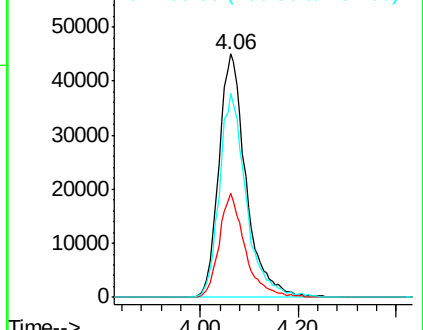
151 82.8 66.9 100.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 52.834 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW013267.D

Acq: 24 Sep 2019 10:57

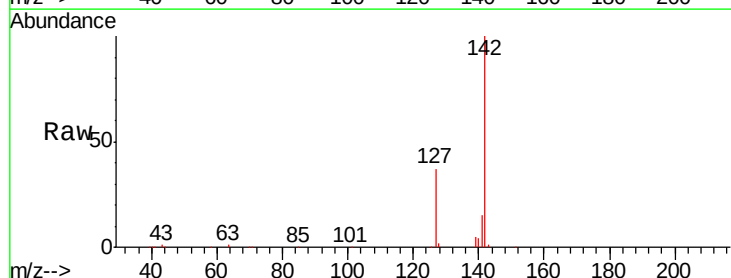
Tgt Ion:142 Resp: 278622

Ion Ratio Lower Upper

142 100

127 37.2 30.9 46.3

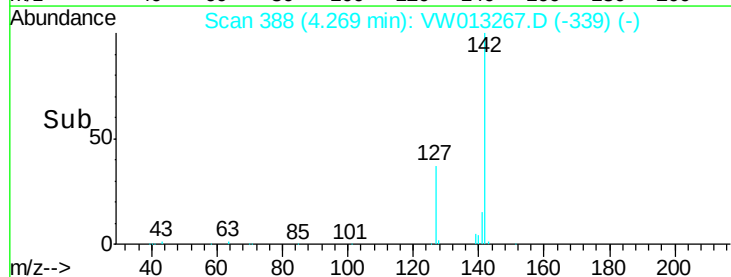
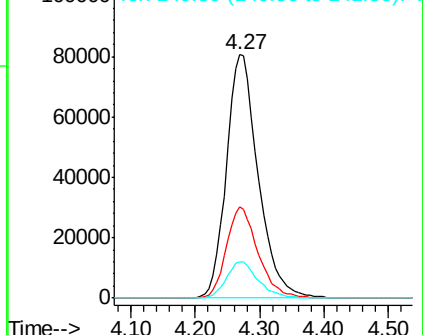
141 14.9 11.7 17.5

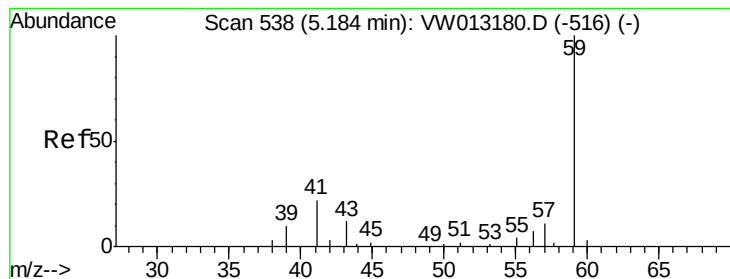


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



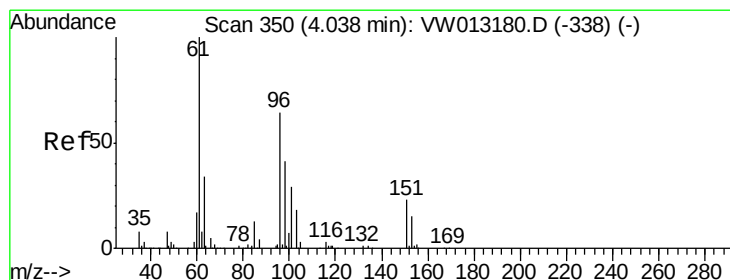
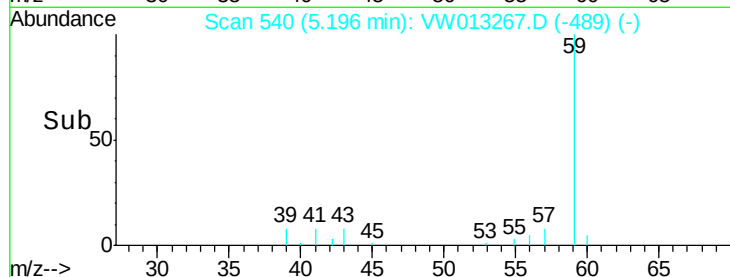
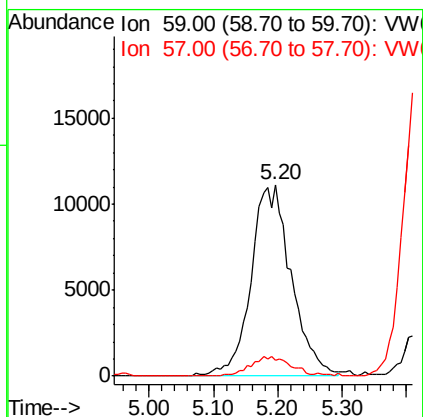
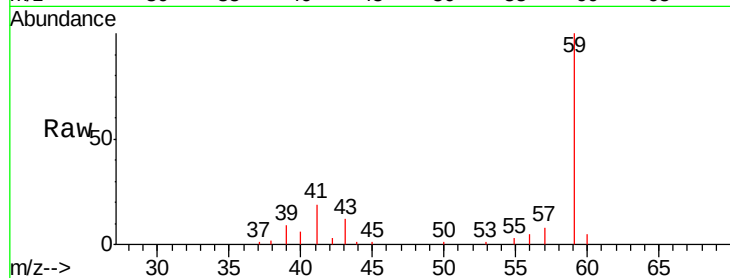


#11

Tert butyl alcohol
 Concen: 214.006 ug/l
 RT: 5.20 min Scan# 540
 Delta R.T. 0.01 min
 Lab File: VW013267.D
 Acq: 24 Sep 2019 10:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

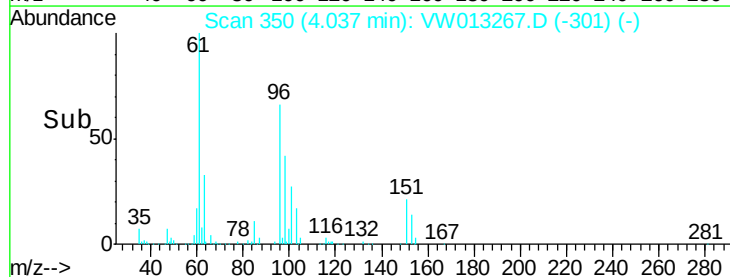
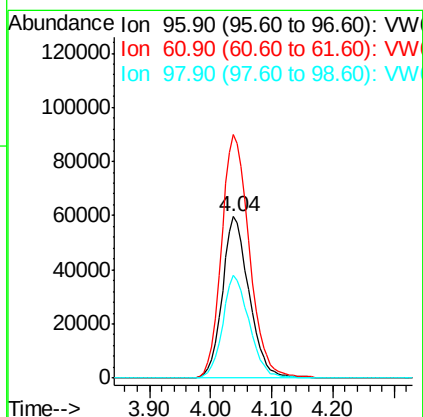
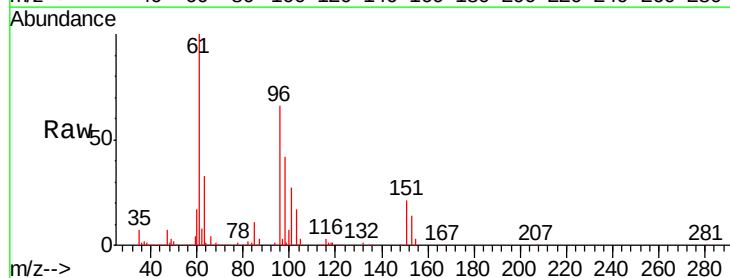
Tgt Ion: 59 Resp: 47978
 Ion Ratio Lower Upper
 59 100
 57 10.0 8.2 12.2

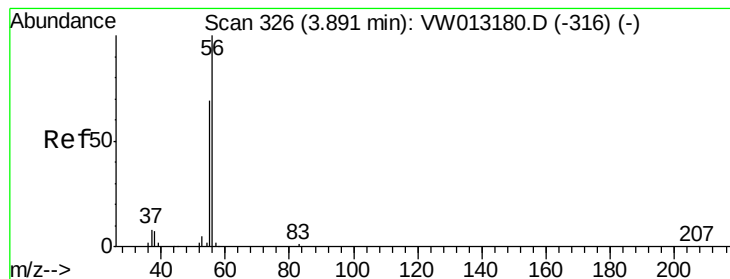


#12

1,1-Dichloroethene
 Concen: 51.837 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW013267.D
 Acq: 24 Sep 2019 10:57

Tgt Ion: 96 Resp: 182581
 Ion Ratio Lower Upper
 96 100
 61 150.7 125.1 187.7
 98 63.6 50.8 76.2





#13

Acrolein

Concen: 242.583 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW013267.D

Acq: 24 Sep 2019 10:57

Instrument :

MSVOA_W

ClientSampleId :

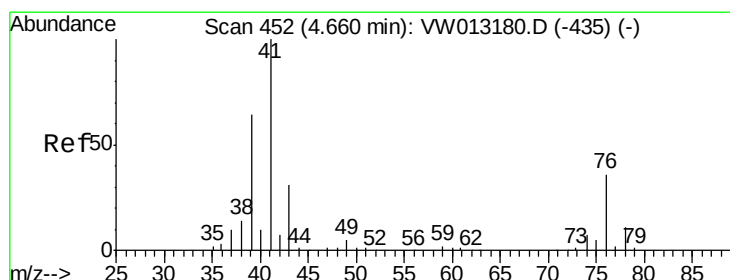
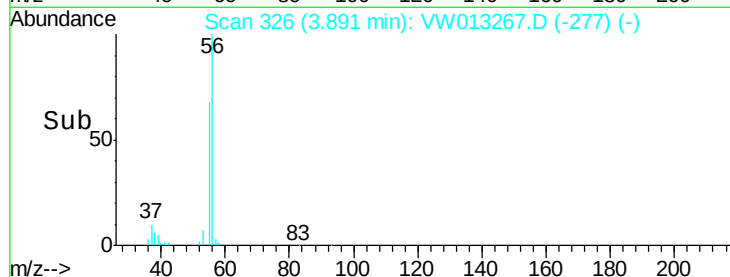
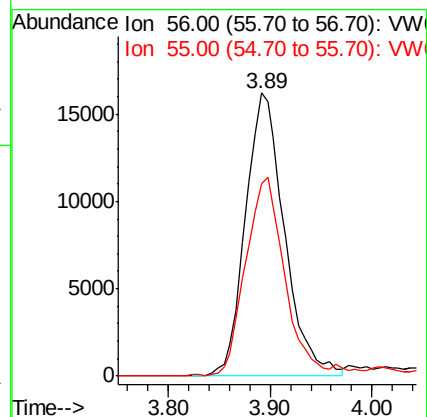
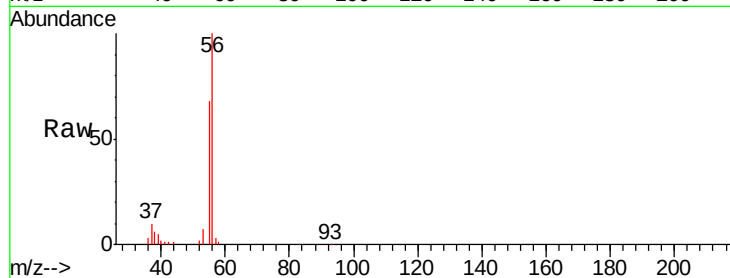
VSTDCCC050

Tgt Ion: 56 Resp: 43196

Ion Ratio Lower Upper

56 100

55 69.0 55.4 83.0



#14

Allyl chloride

Concen: 51.982 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW013267.D

Acq: 24 Sep 2019 10:57

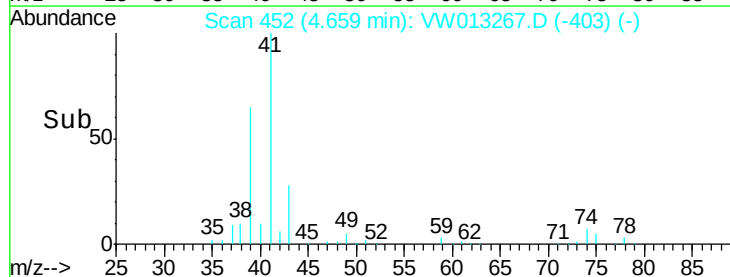
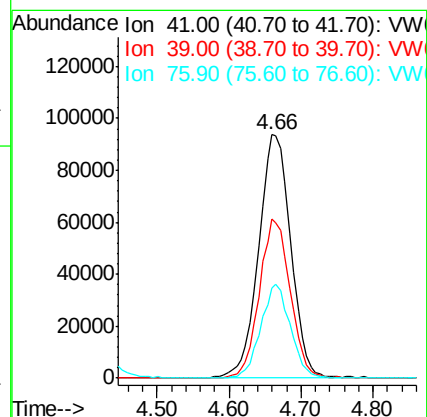
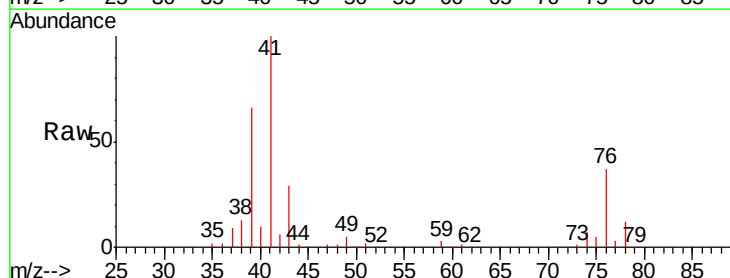
Tgt Ion: 41 Resp: 291391

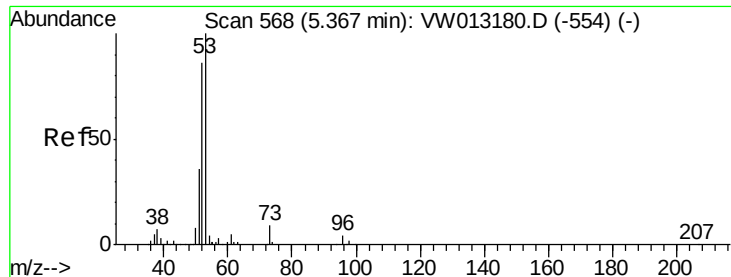
Ion Ratio Lower Upper

41 100

39 62.8 51.0 76.4

76 35.5 28.4 42.6





#15

Acrylonitrile

Concen: 249.040 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW013267.D

Acq: 24 Sep 2019 10:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

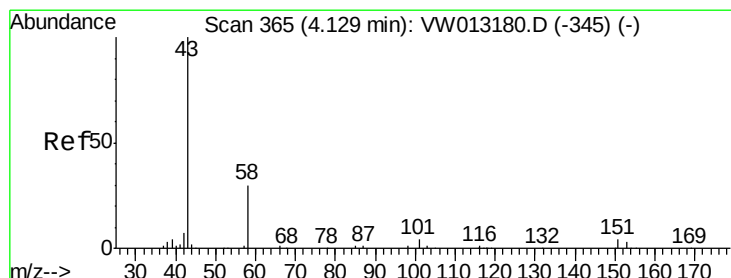
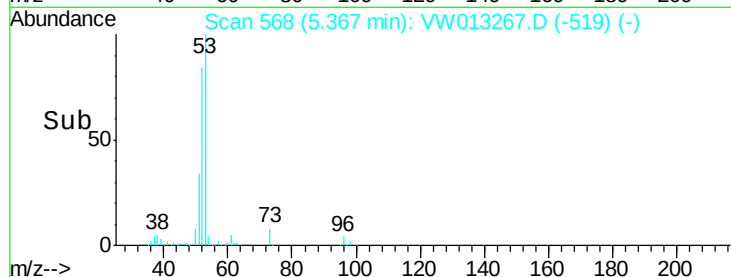
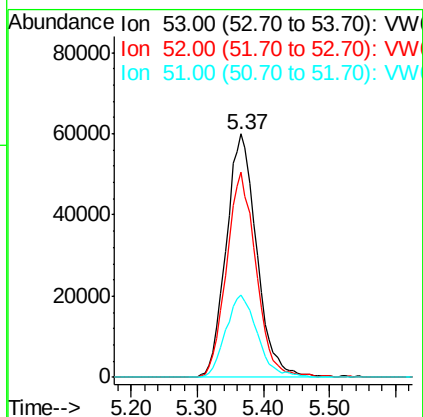
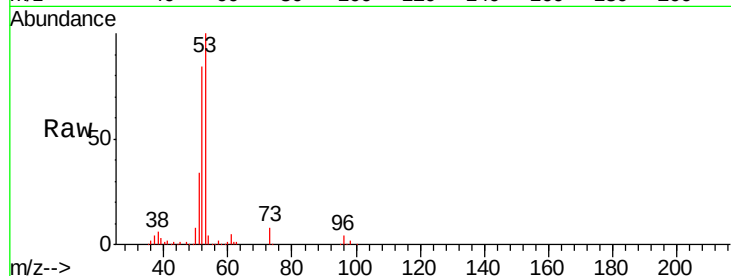
Tgt Ion: 53 Resp: 191820

Ion Ratio Lower Upper

53 100

52 81.8 65.3 97.9

51 35.2 29.0 43.4



#16

Acetone

Concen: 252.728 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.00 min

Lab File: VW013267.D

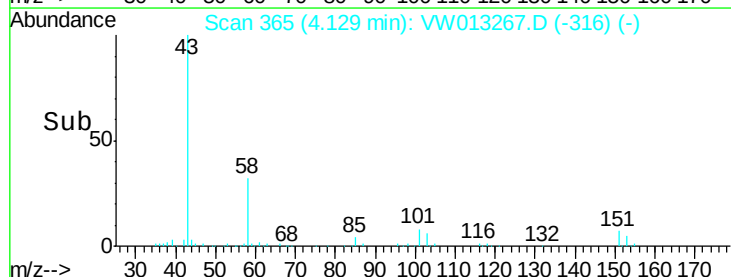
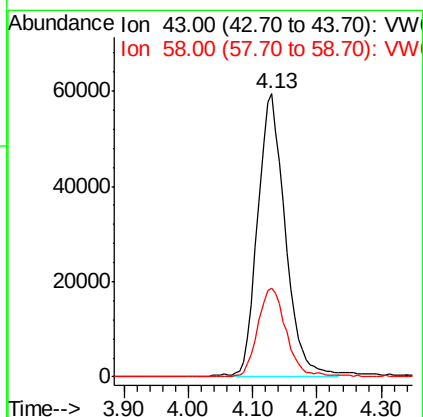
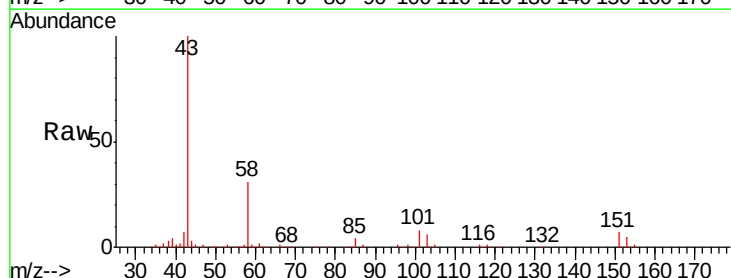
Acq: 24 Sep 2019 10:57

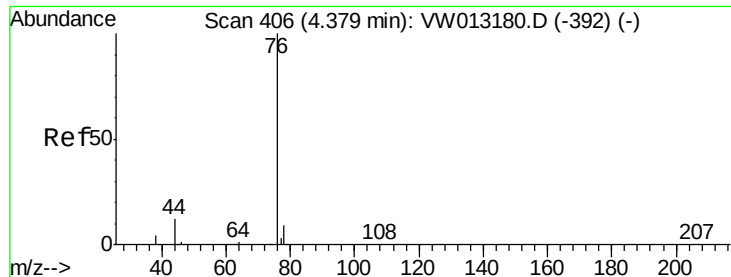
Tgt Ion: 43 Resp: 176297

Ion Ratio Lower Upper

43 100

58 31.5 24.1 36.1

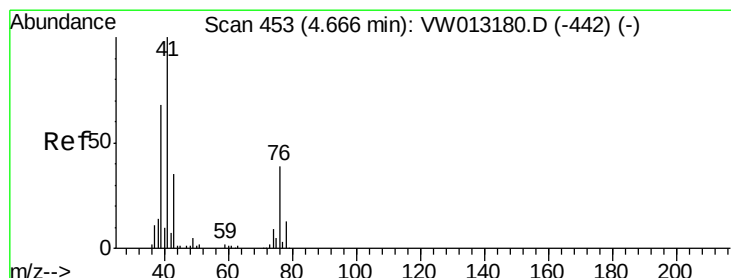
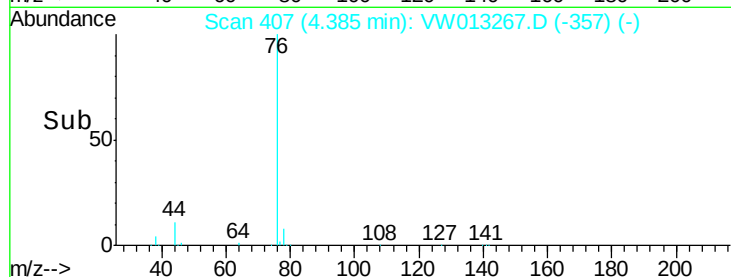
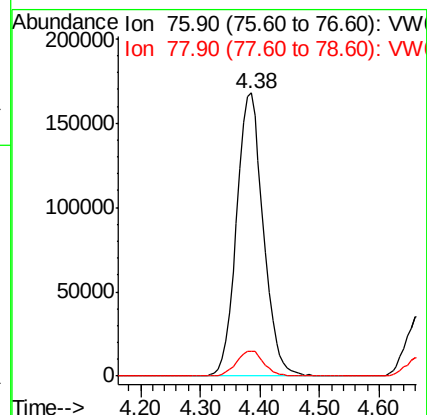
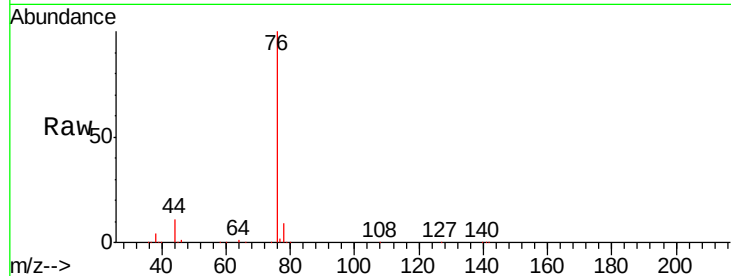




#17
Carbon Disulfide
Concen: 51.268 ug/l
RT: 4.38 min Scan# 407
Delta R.T. 0.01 min
Lab File: VW013267.D
Acq: 24 Sep 2019 10:57

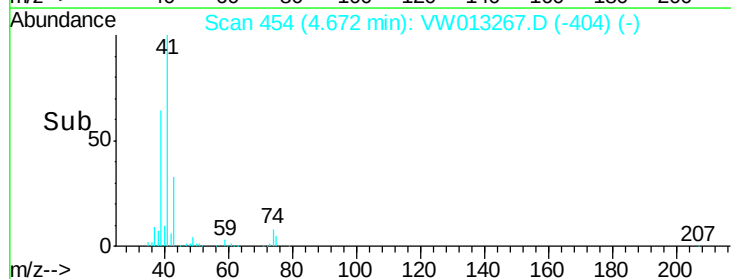
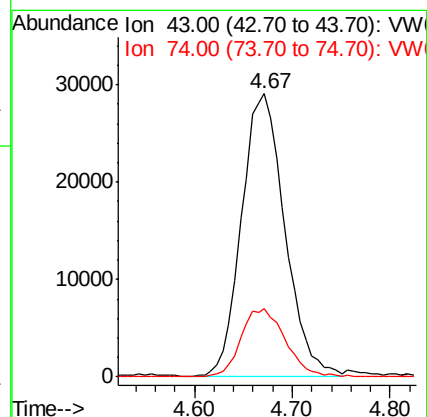
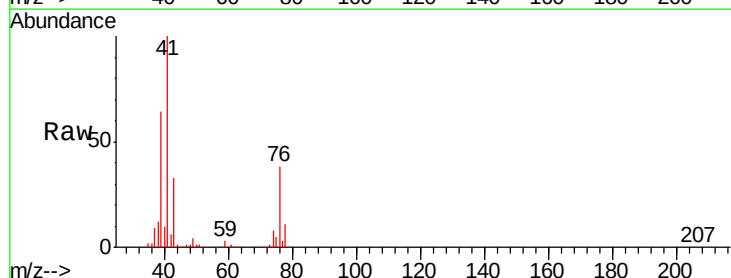
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

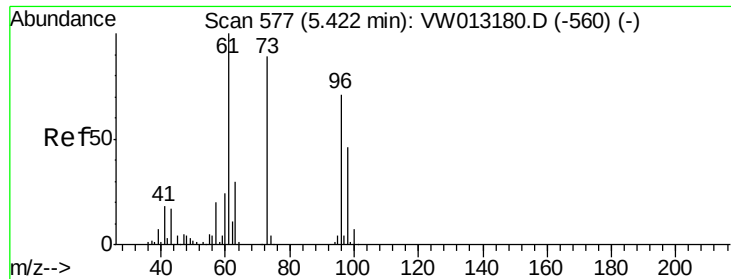
Tgt Ion: 76 Resp: 521933
Ion Ratio Lower Upper
76 100
78 9.0 7.0 10.4



#18
Methyl Acetate
Concen: 45.373 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW013267.D
Acq: 24 Sep 2019 10:57

Tgt Ion: 43 Resp: 88971
Ion Ratio Lower Upper
43 100
74 24.8 19.3 28.9

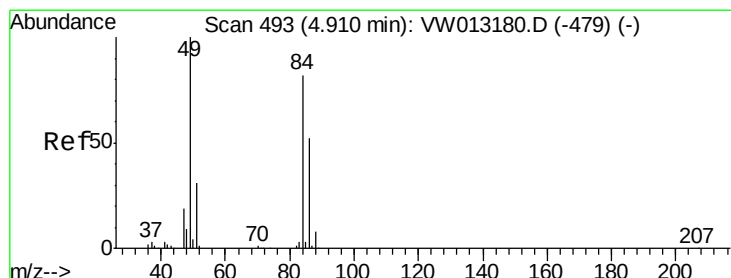
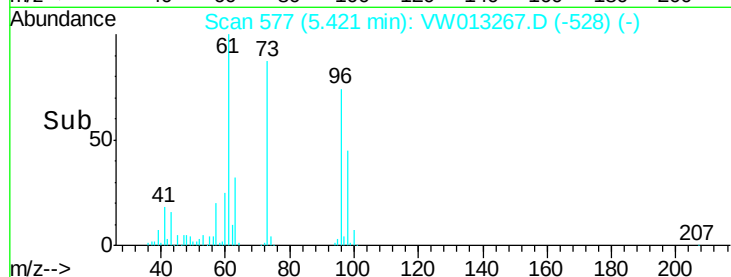
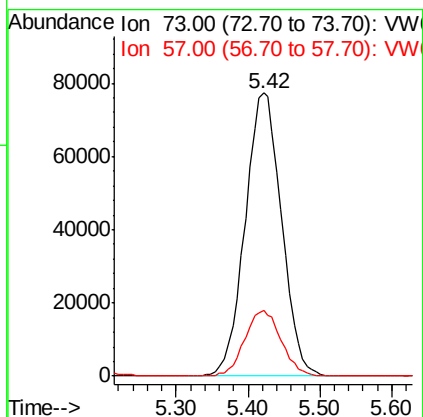
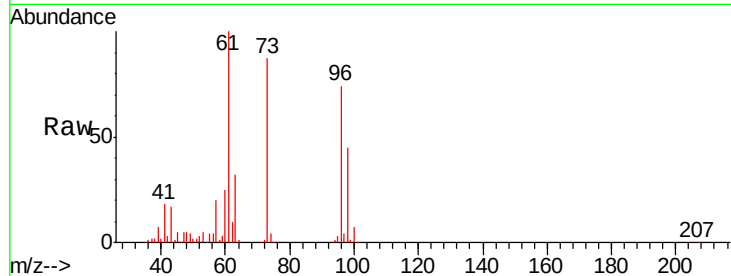




#19
Methyl tert-butyl Ether
Concen: 50.228 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW013267.D
Acq: 24 Sep 2019 10:57

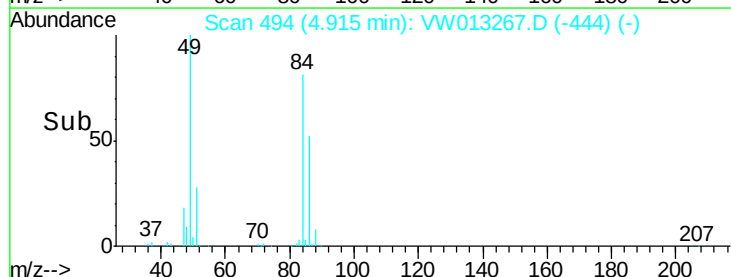
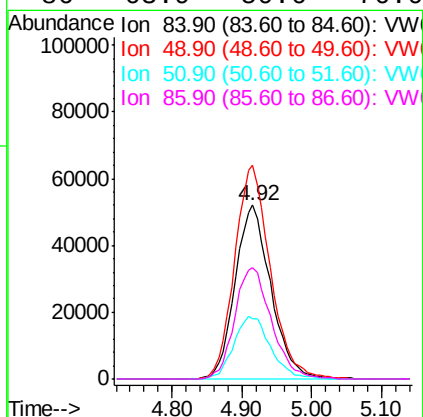
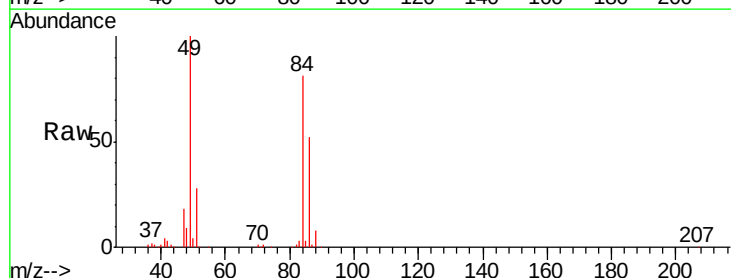
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

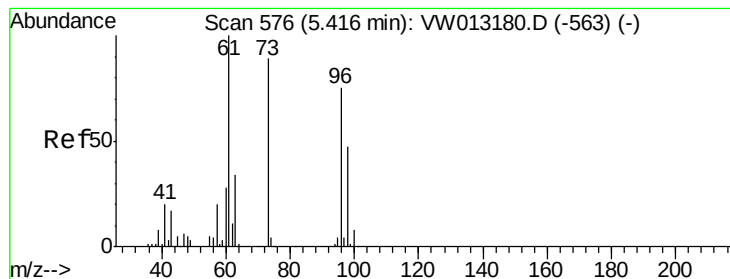
Tgt Ion: 73 Resp: 271145
Ion Ratio Lower Upper
73 100
57 23.3 17.6 26.4



#20
Methylene Chloride
Concen: 51.768 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW013267.D
Acq: 24 Sep 2019 10:57

Tgt Ion: 84 Resp: 184322
Ion Ratio Lower Upper
84 100
49 123.1 97.6 146.4
51 35.0 30.2 45.2
86 63.9 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 51.357 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW013267.D

Acq: 24 Sep 2019 10:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

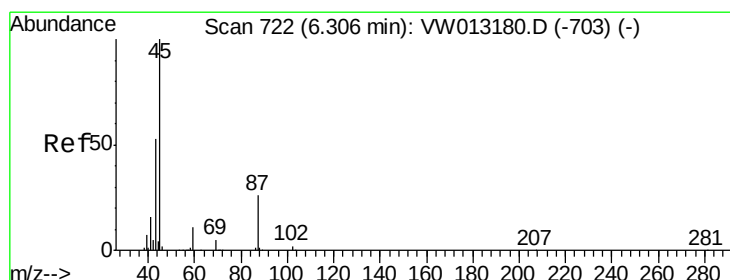
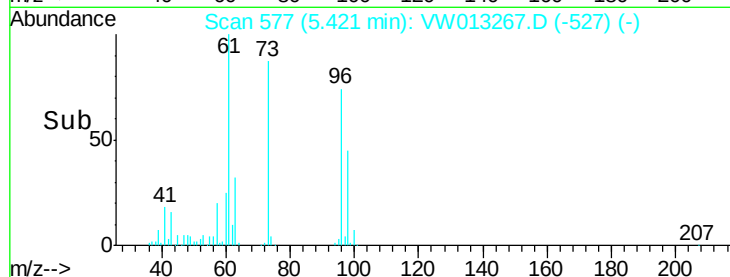
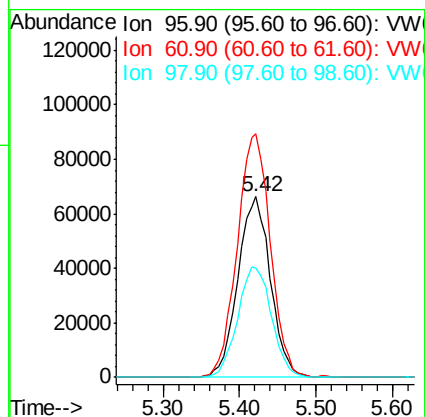
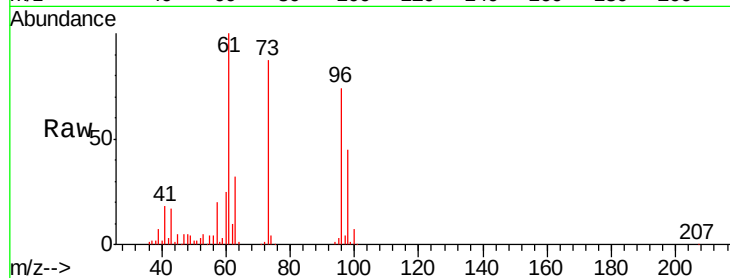
Tgt Ion: 96 Resp: 195513

Ion Ratio Lower Upper

96 100

61 135.0 106.6 159.8

98 60.6 49.8 74.8



#22

Diisopropyl ether

Concen: 51.583 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW013267.D

Acq: 24 Sep 2019 10:57

Tgt Ion: 45 Resp: 549860

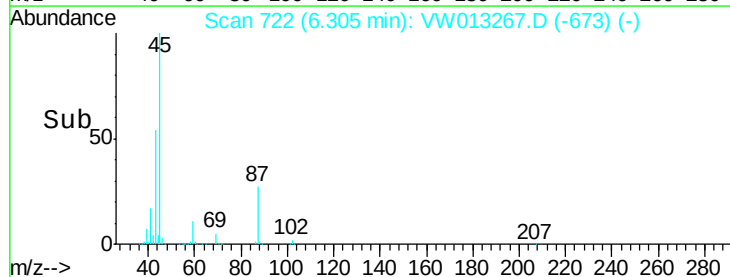
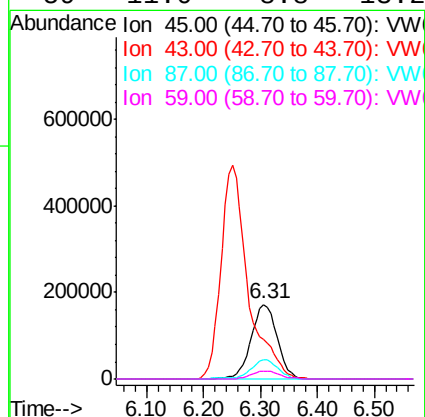
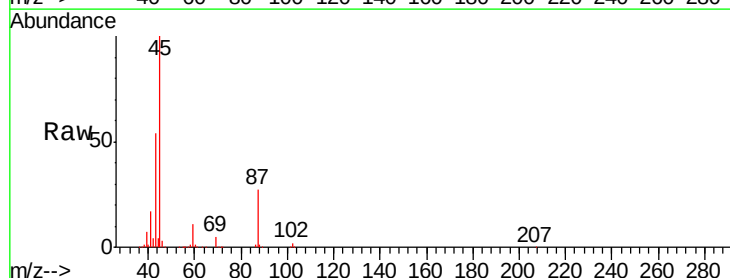
Ion Ratio Lower Upper

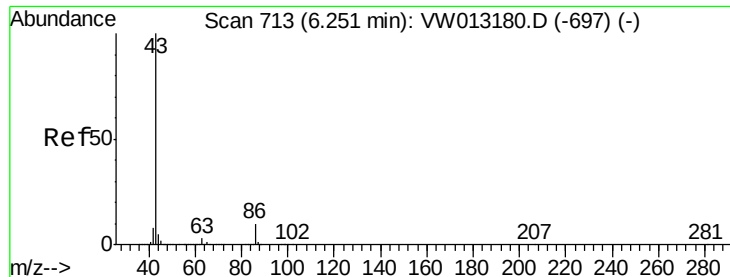
45 100

43 54.0 42.4 63.6

87 26.7 20.4 30.6

59 11.0 8.8 13.2

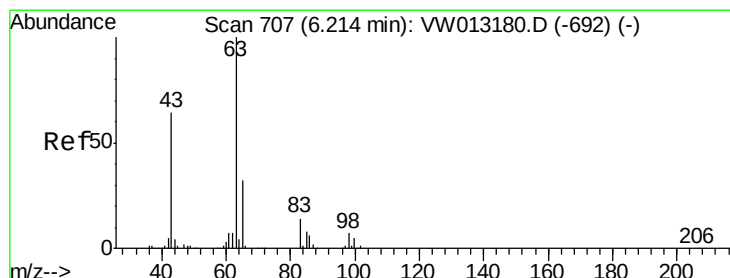
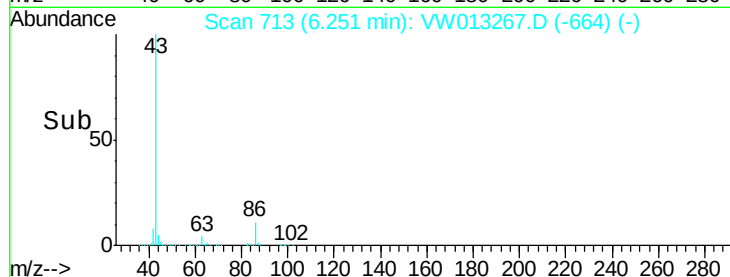
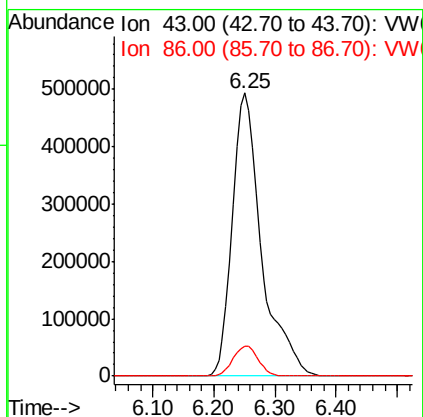
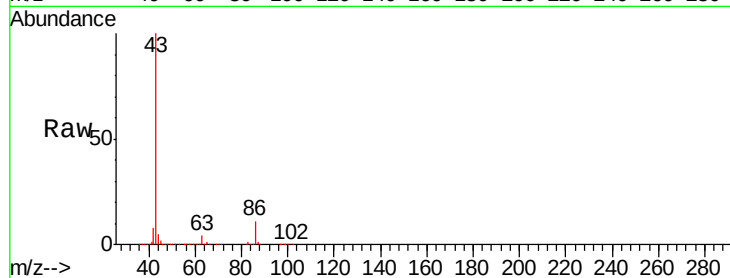




#23
 Vinyl Acetate
 Concen: 257.010 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VW013267.D
 Acq: 24 Sep 2019 10:57

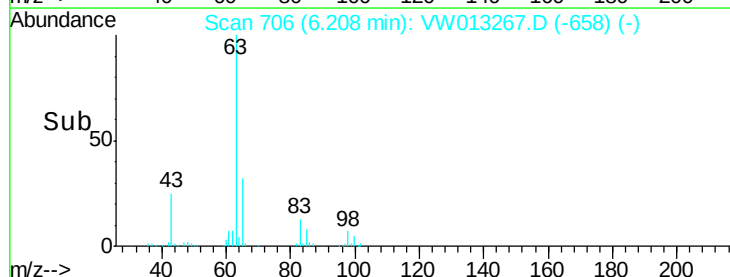
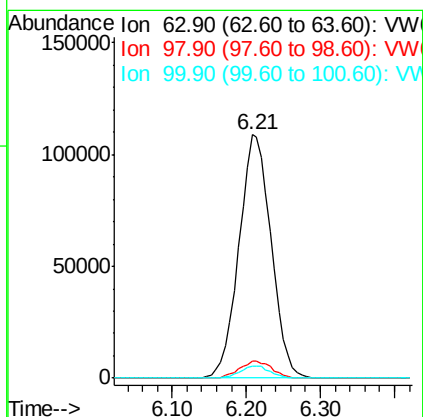
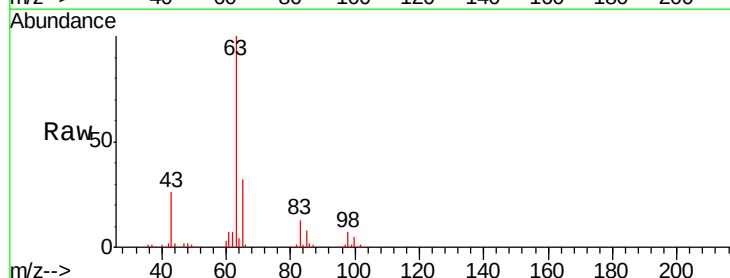
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

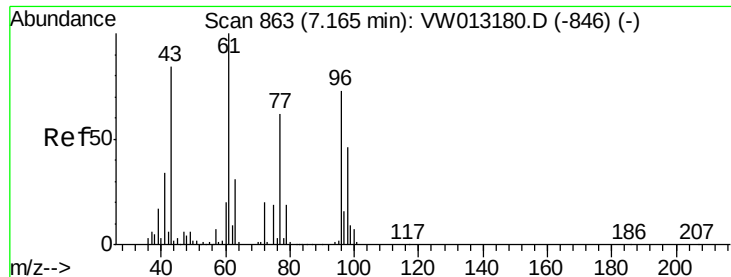
Tgt Ion: 43 Resp: 1625298
 Ion Ratio Lower Upper
 43 100
 86 10.6 8.3 12.5



#24
 1,1-Dichloroethane
 Concen: 51.362 ug/l
 RT: 6.21 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VW013267.D
 Acq: 24 Sep 2019 10:57

Tgt Ion: 63 Resp: 330379
 Ion Ratio Lower Upper
 63 100
 98 7.2 3.5 10.5
 100 4.8 2.4 7.1





#25

2-Butanone

Concen: 232.459 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013267.D

Acq: 24 Sep 2019 10:57

Instrument :

MSVOA_W

ClientSampled :

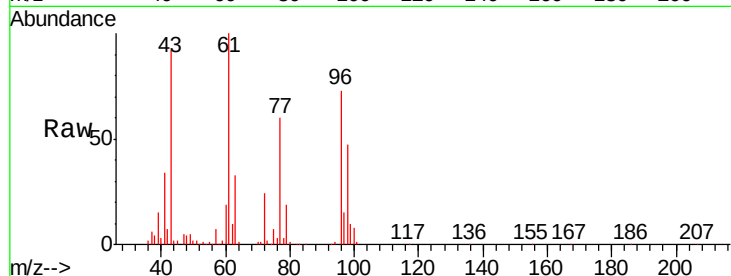
VSTDCCC050

Tgt Ion: 43 Resp: 243426

Ion Ratio Lower Upper

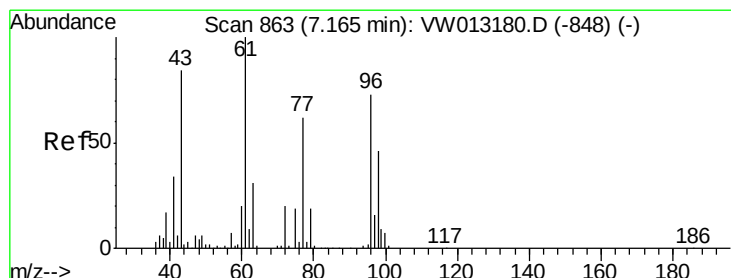
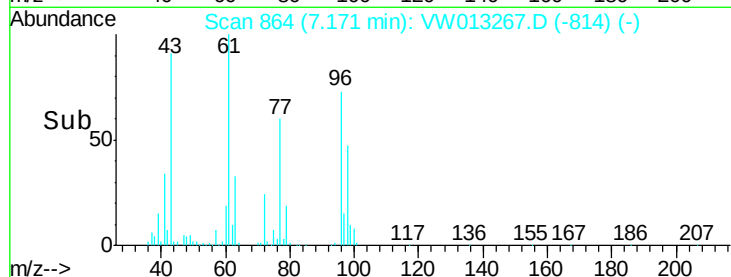
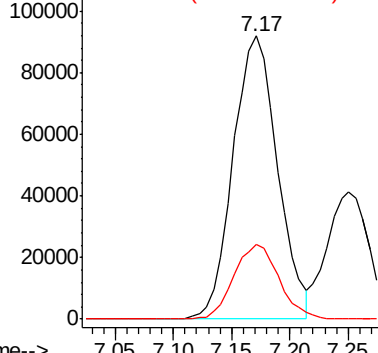
43 100

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: 51.577 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013267.D

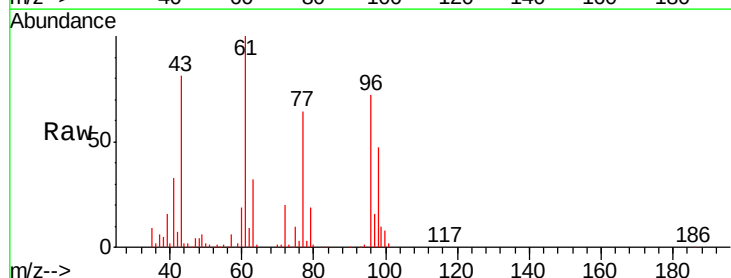
Acq: 24 Sep 2019 10:57

Tgt Ion: 77 Resp: 198097

Ion Ratio Lower Upper

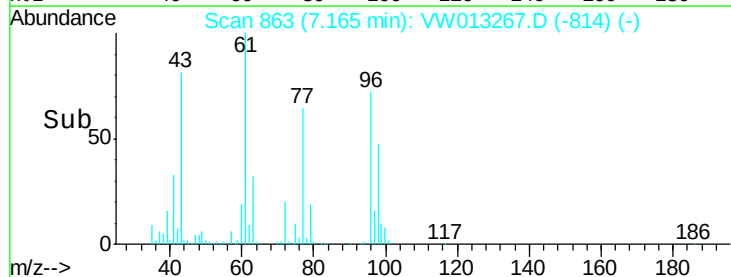
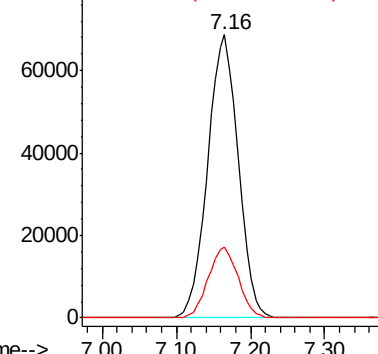
77 100

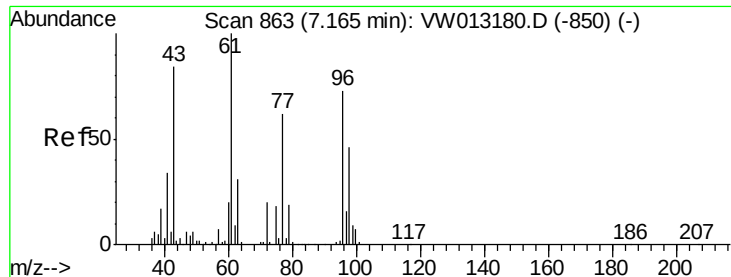
97 24.5 11.8 35.4



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



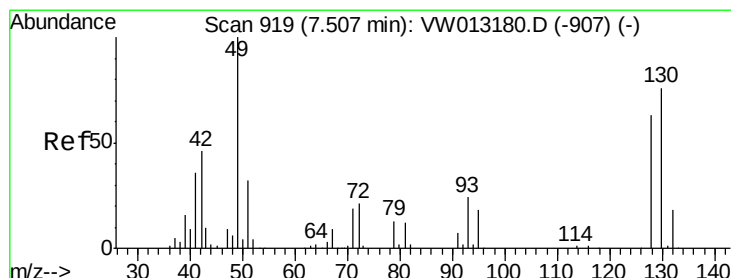
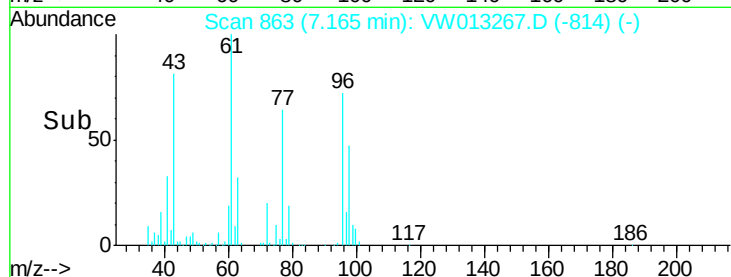
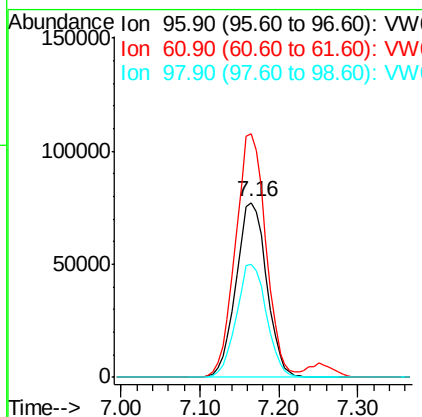
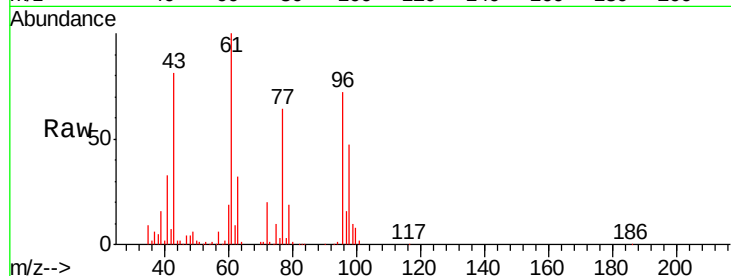


#27

cis-1,2-Dichloroethene
Concen: 51.945 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW013267.D
Acq: 24 Sep 2019 10:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

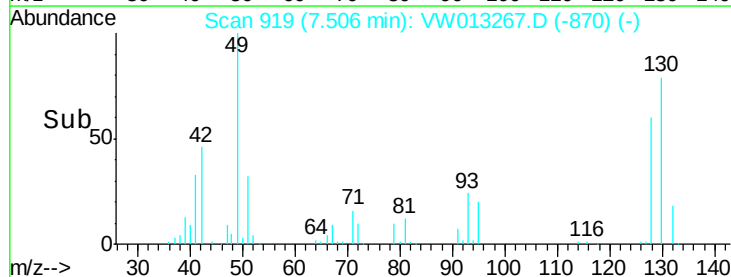
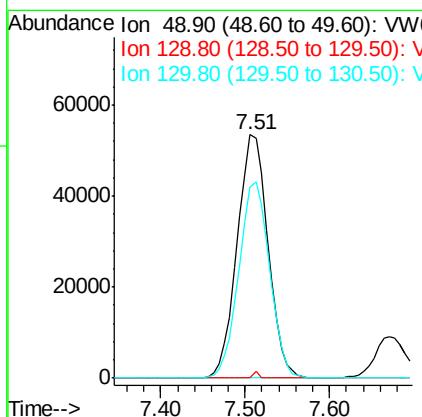
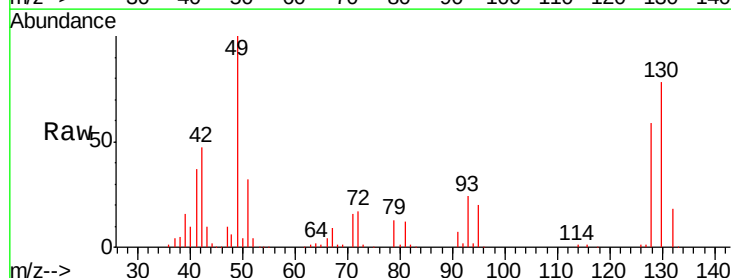
Tgt Ion: 96 Resp: 208690
Ion Ratio Lower Upper
96 100
61 139.0 0.0 282.4
98 64.3 0.0 128.2

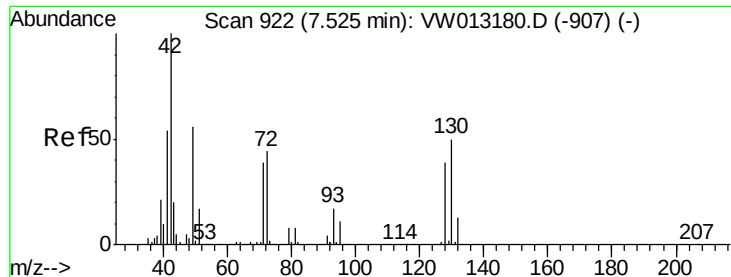


#28

Bromochloromethane
Concen: 53.651 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW013267.D
Acq: 24 Sep 2019 10:57

Tgt Ion: 49 Resp: 132449
Ion Ratio Lower Upper
49 100
129 0.4 0.0 1.0
130 80.4 63.4 95.2

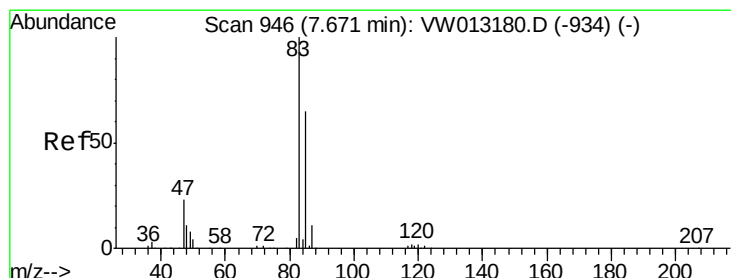
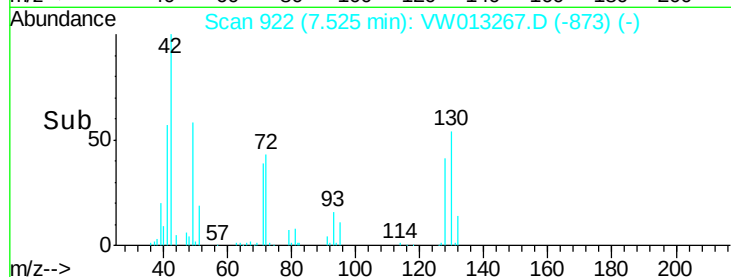
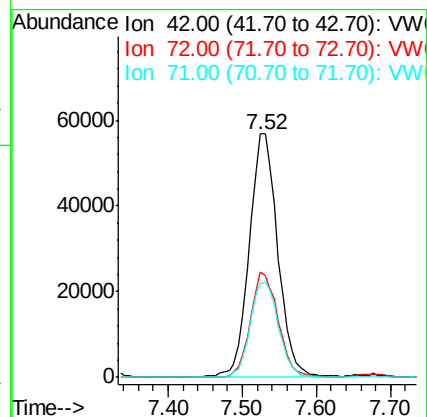
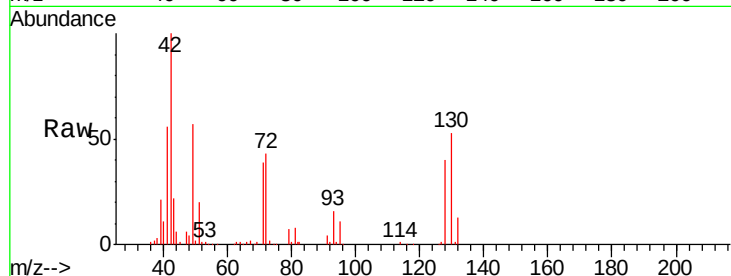




#29
Tetrahydrofuran
Concen: 237.215 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW013267.D
Acq: 24 Sep 2019 10:57

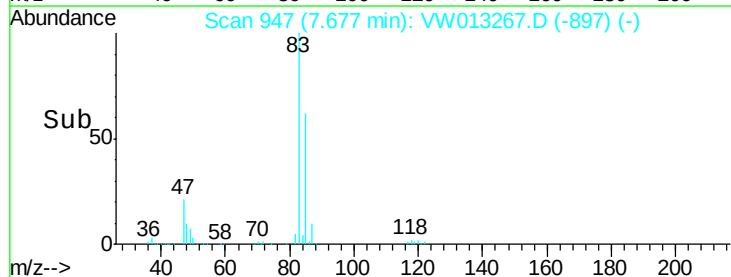
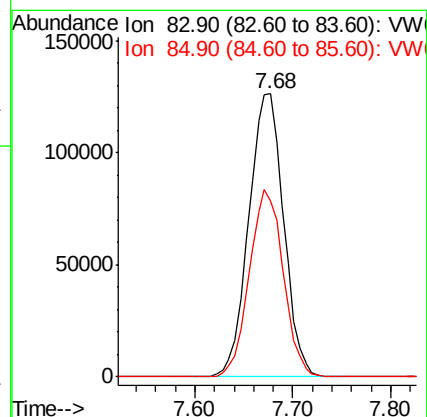
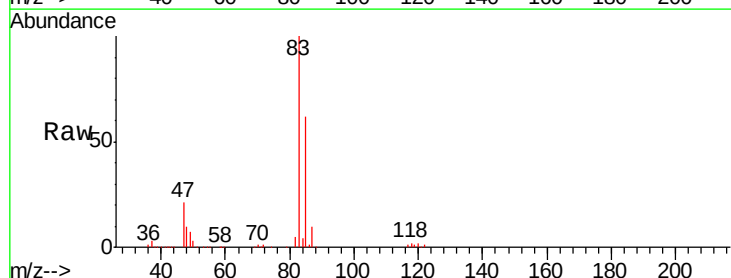
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

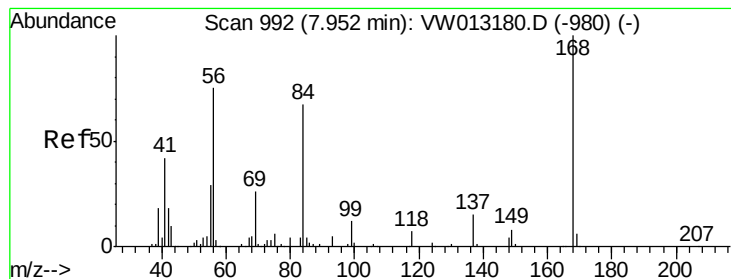
Tgt Ion: 42 Resp: 152339
Ion Ratio Lower Upper
42 100
72 42.2 33.9 50.9
71 39.3 31.9 47.9



#30
Chloroform
Concen: 49.750 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW013267.D
Acq: 24 Sep 2019 10:57

Tgt Ion: 83 Resp: 313301
Ion Ratio Lower Upper
83 100
85 62.1 52.3 78.5





#31

Cyclohexane

Concen: 48.923 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW013267.D

Acq: 24 Sep 2019 10:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

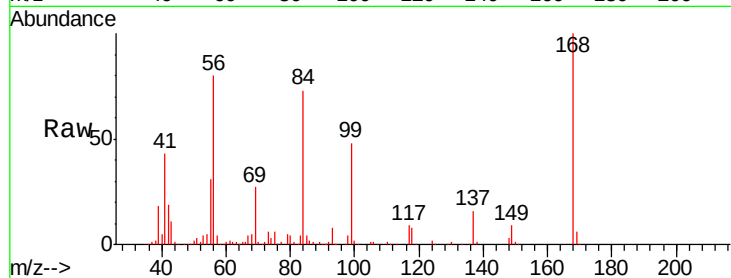
Tgt Ion: 56 Resp: 328033

Ion Ratio Lower Upper

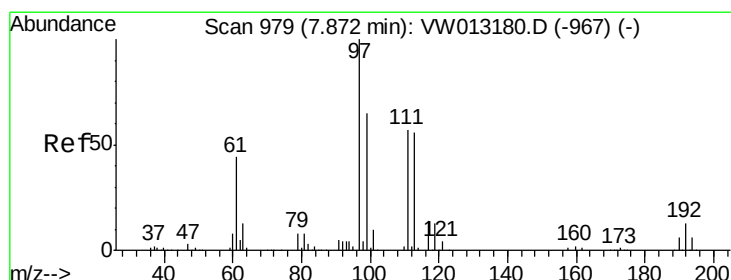
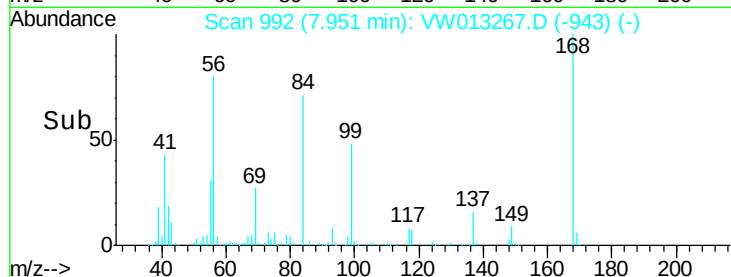
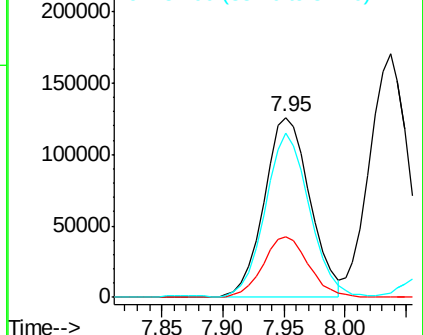
56 100

69 34.0 27.2 40.8

84 89.7 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: 49.809 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW013267.D

Acq: 24 Sep 2019 10:57

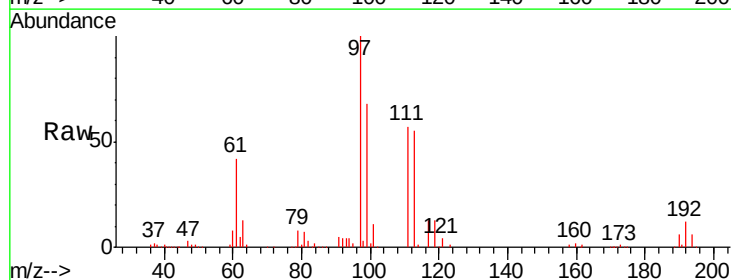
Tgt Ion: 97 Resp: 254049

Ion Ratio Lower Upper

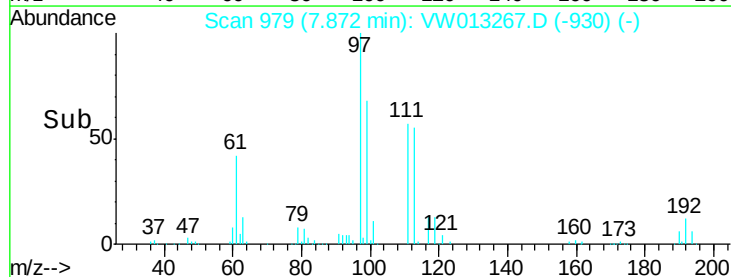
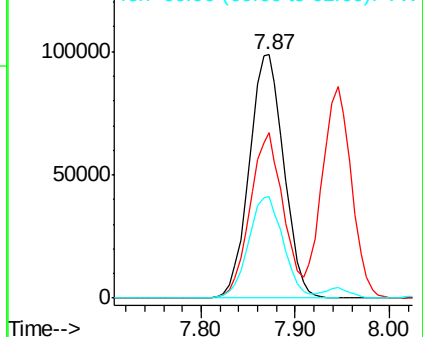
97 100

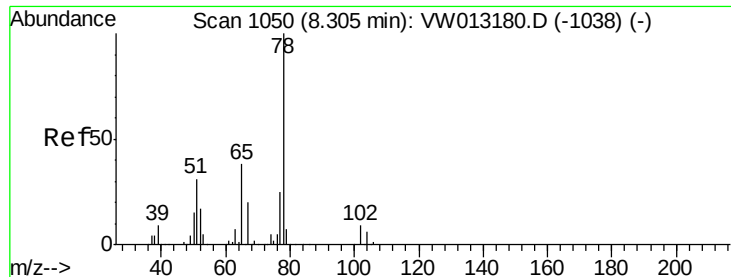
99 65.6 51.7 77.5

61 42.2 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

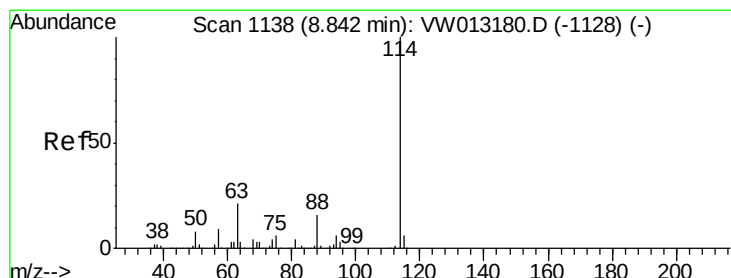
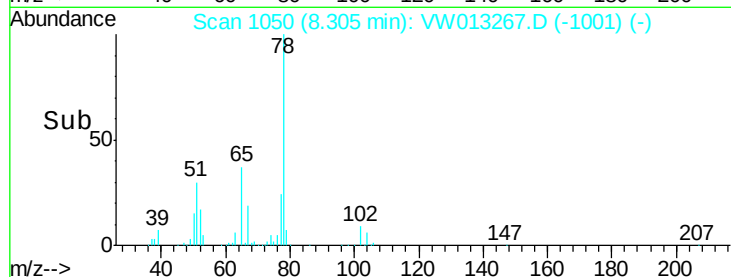
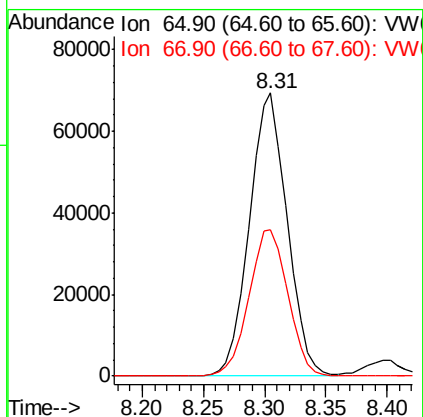
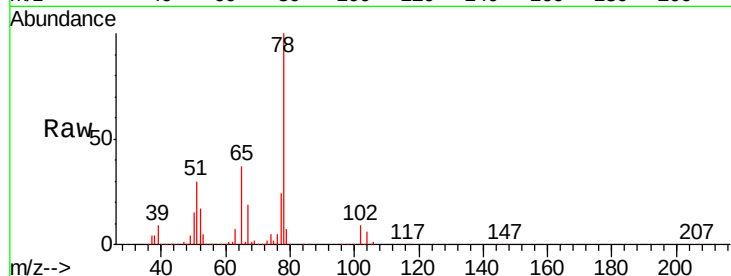




#33
 1,2-Dichloroethane-d4
 Concen: 48.192 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013267.D
 Acq: 24 Sep 2019 10:57

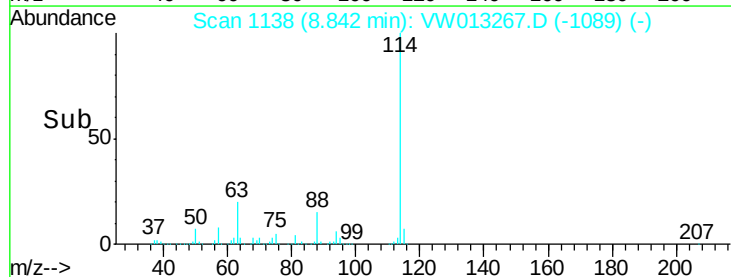
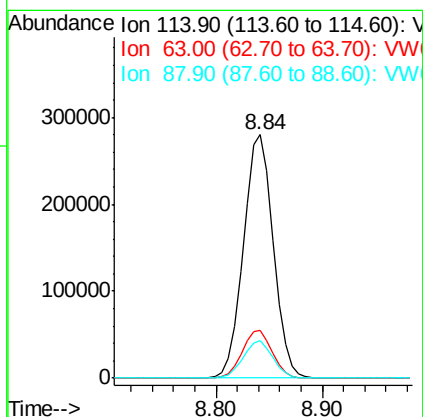
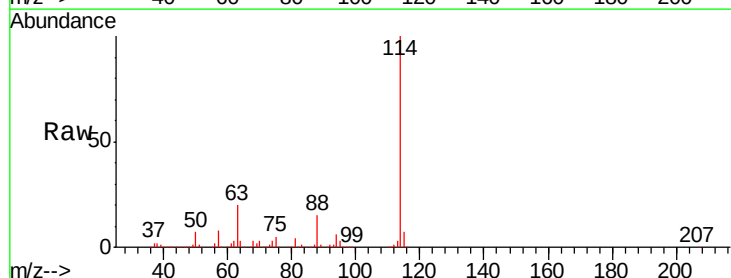
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

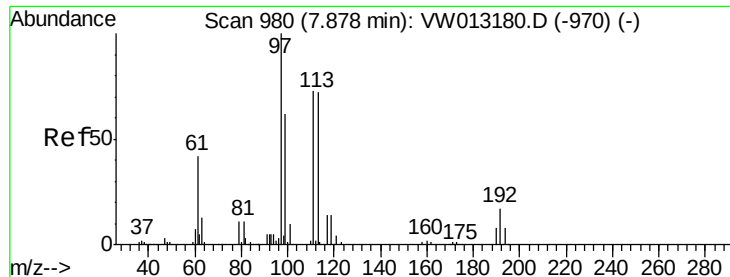
Tgt Ion: 65 Resp: 149072
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013267.D
 Acq: 24 Sep 2019 10:57

Tgt Ion: 114 Resp: 551901
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 41.4
 88 15.2 0.0 32.0

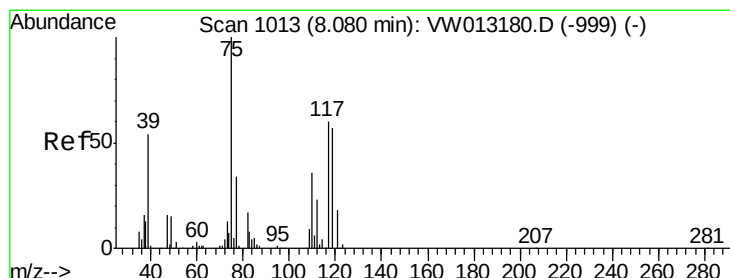
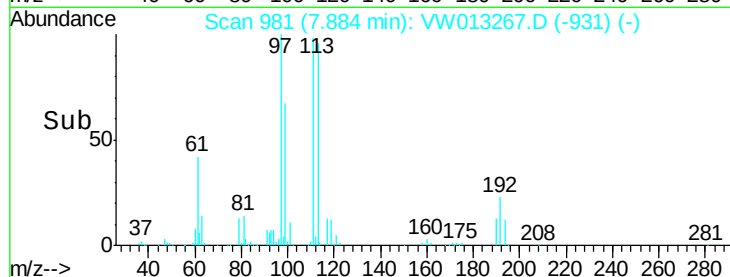
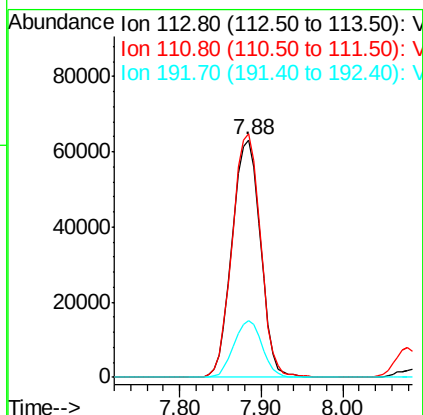
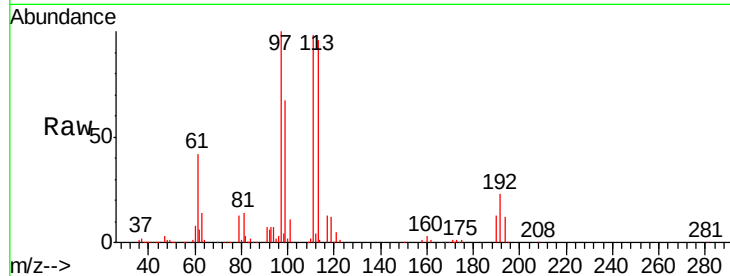




#35
 Dibromofluoromethane
 Concen: 50.153 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW013267.D
 Acq: 24 Sep 2019 10:57

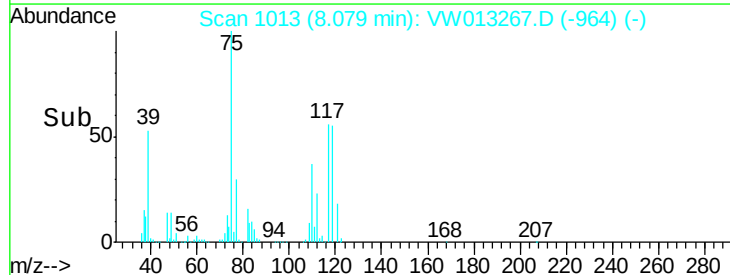
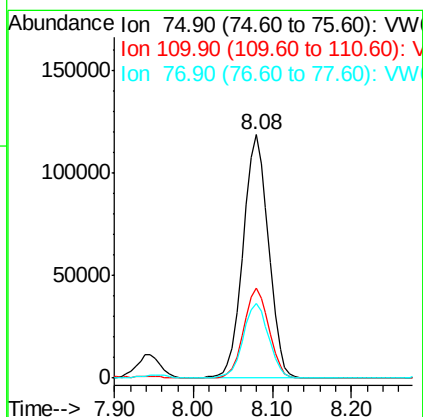
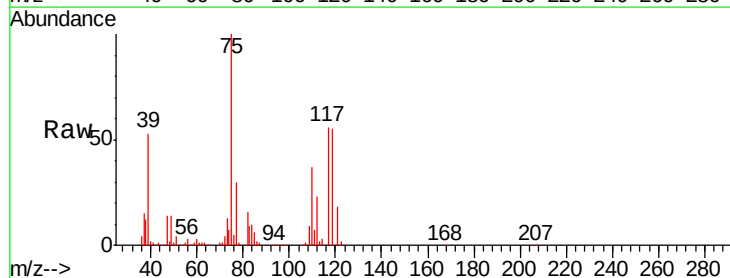
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

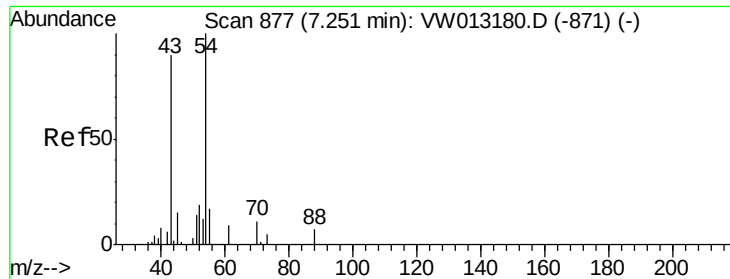
Tgt Ion:113 Resp: 152236
 Ion Ratio Lower Upper
 113 100
 111 101.7 81.9 122.9
 192 23.7 19.1 28.7



#36
 1,1-Dichloropropene
 Concen: 49.766 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW013267.D
 Acq: 24 Sep 2019 10:57

Tgt Ion: 75 Resp: 266028
 Ion Ratio Lower Upper
 75 100
 110 36.4 18.1 54.3
 77 31.0 25.8 38.6

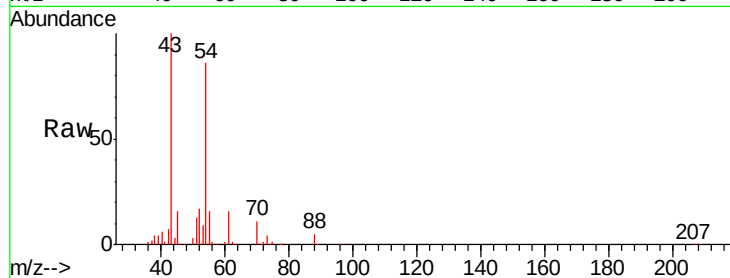




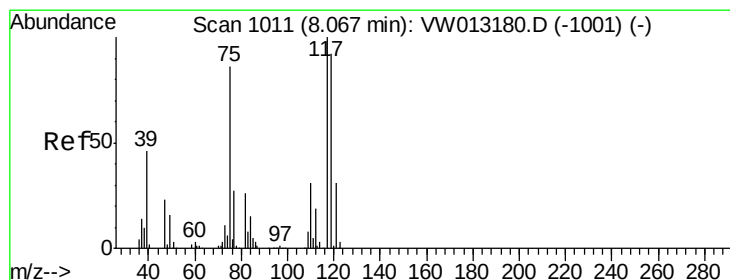
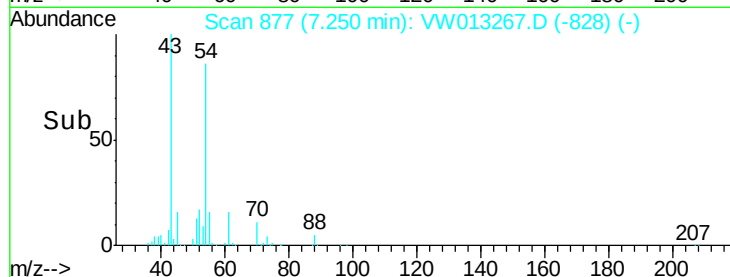
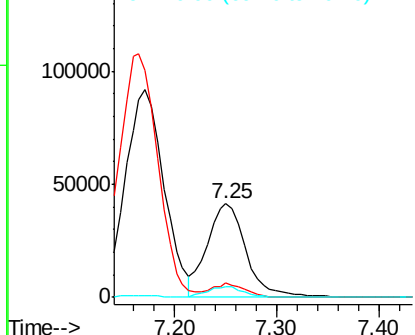
#37
Ethyl Acetate
Concen: 47.860 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW013267.D
Acq: 24 Sep 2019 10:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 108732
Ion Ratio Lower Upper
43 100
61 12.7 10.9 16.3
70 10.9 8.2 12.2

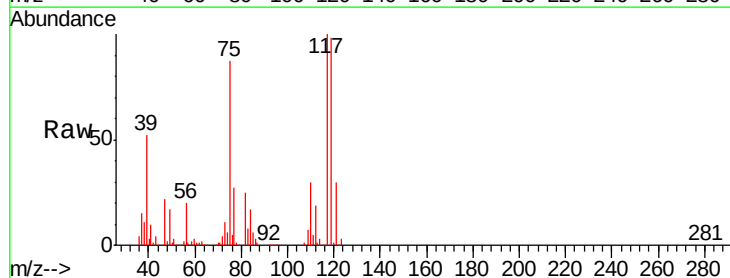


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

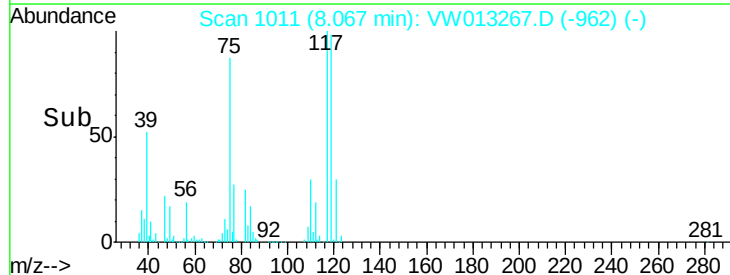
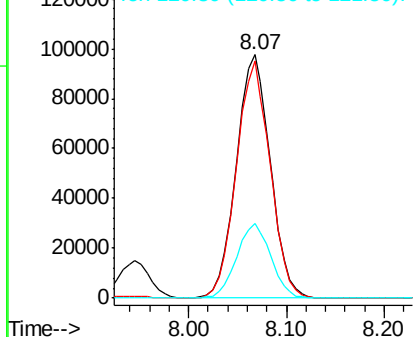


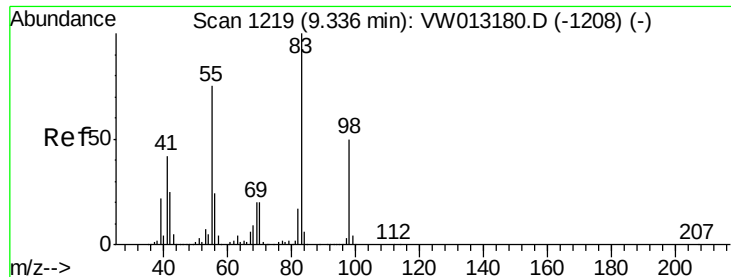
#38
Carbon Tetrachloride
Concen: 49.257 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW013267.D
Acq: 24 Sep 2019 10:57

Tgt Ion: 117 Resp: 236036
Ion Ratio Lower Upper
117 100
119 97.6 73.5 110.3
121 30.5 25.0 37.6



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

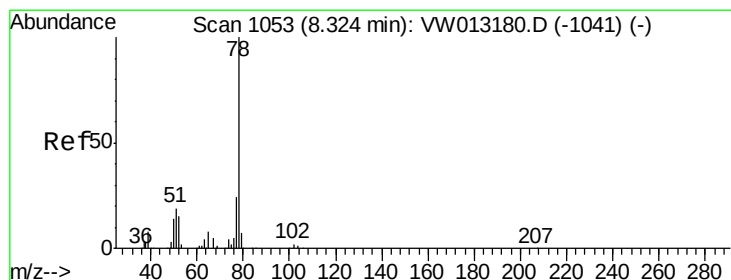
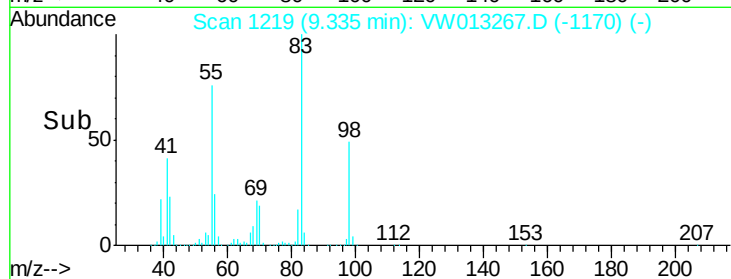
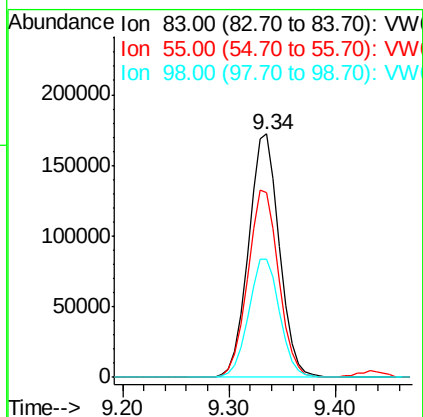
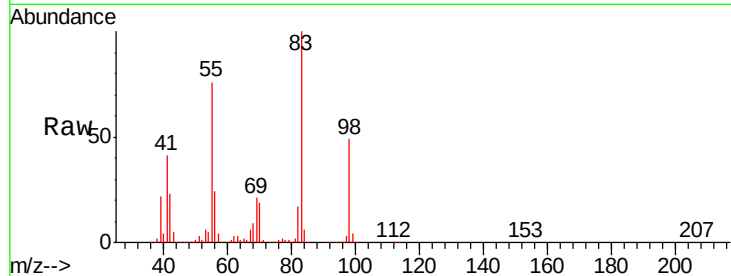




#39
Methylcyclohexane
Concen: 50.967 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013267.D
Acq: 24 Sep 2019 10:57

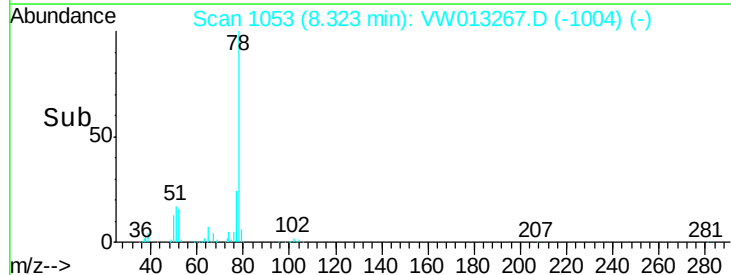
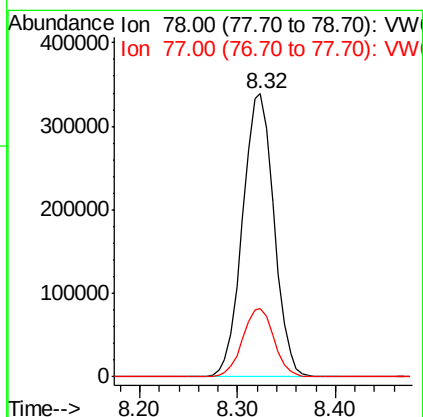
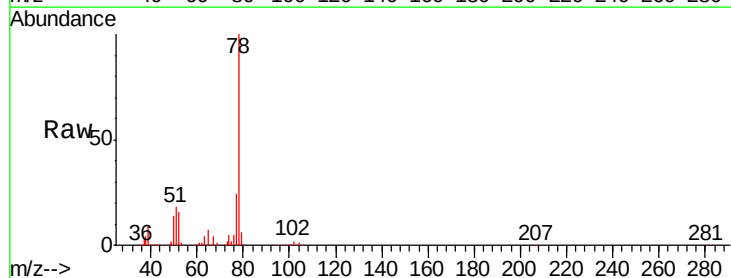
Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

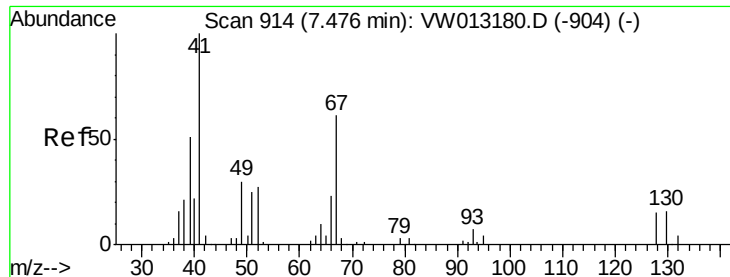
Tgt Ion: 83 Resp: 350121
Ion Ratio Lower Upper
83 100
55 75.6 60.4 90.6
98 48.6 40.0 60.0



#40
Benzene
Concen: 50.549 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013267.D
Acq: 24 Sep 2019 10:57

Tgt Ion: 78 Resp: 753707
Ion Ratio Lower Upper
78 100
77 24.3 19.1 28.7

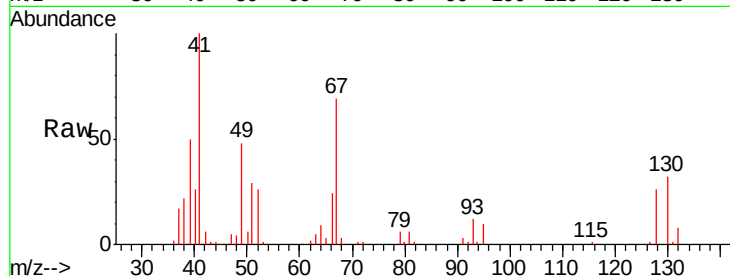




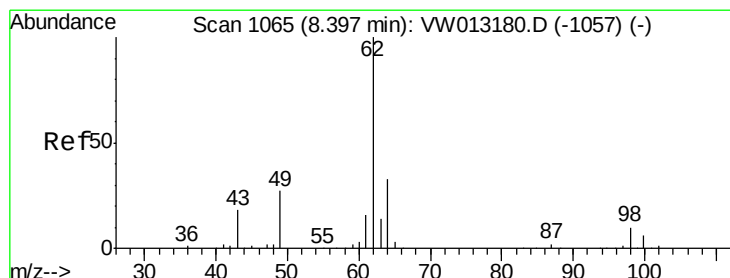
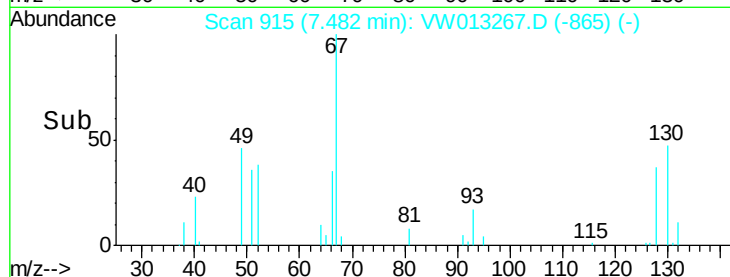
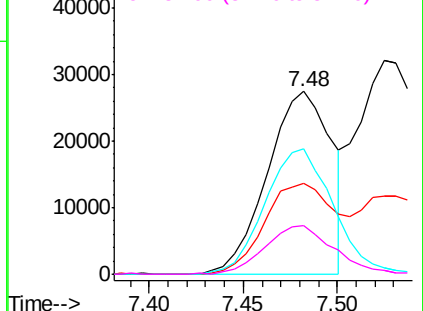
#41
Methacrylonitrile
Concen: 47.975 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.01 min
Lab File: VW013267.D
Acq: 24 Sep 2019 10:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:	41	Resp:	65051
Ion	Ratio	Lower	Upper
41	100		
39	56.7	45.9	68.9
67	72.8	54.5	81.7
52	28.6	22.5	33.7

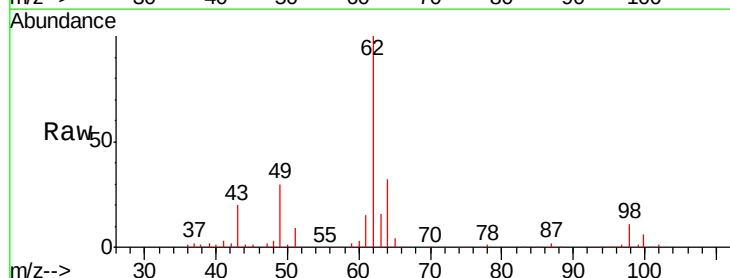


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

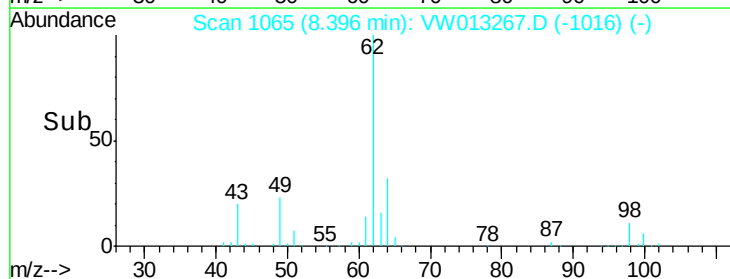
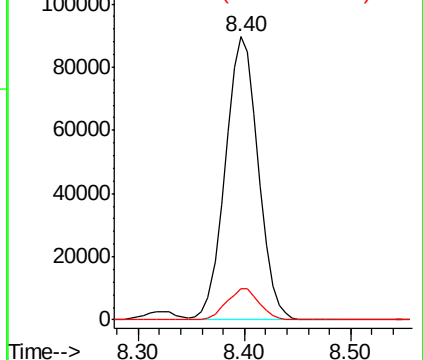


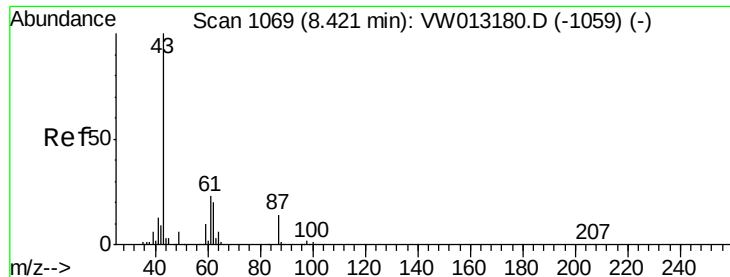
#42
1,2-Dichloroethane
Concen: 48.399 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013267.D
Acq: 24 Sep 2019 10:57

Tgt Ion:	62	Resp:	193994
Ion	Ratio	Lower	Upper
62	100		
98	11.0	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: 48.840 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013267.D

Acq: 24 Sep 2019 10:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

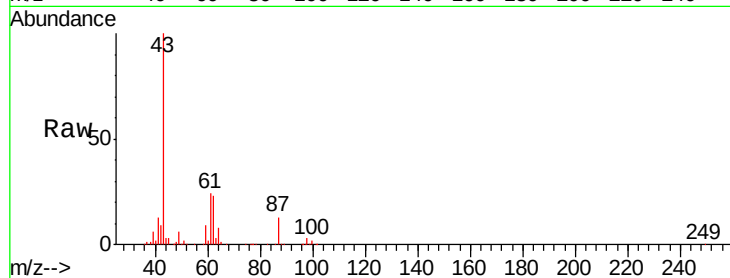
Tgt Ion: 43 Resp: 212659

Ion Ratio Lower Upper

43 100

61 31.7 25.5 38.3

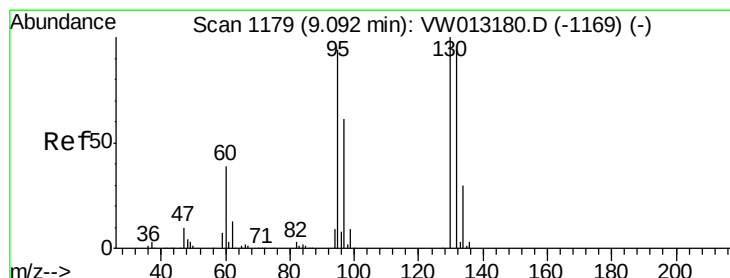
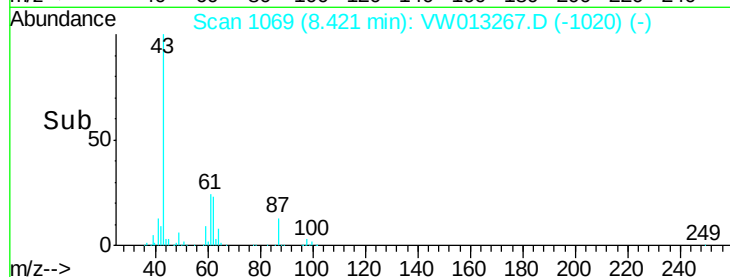
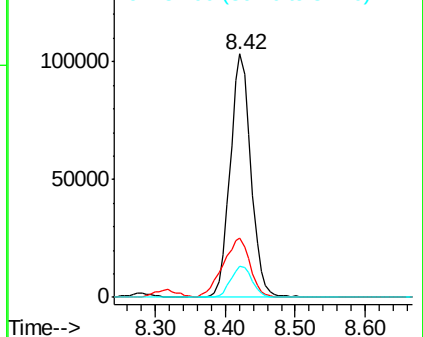
87 13.4 11.0 16.4



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: 50.734 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW013267.D

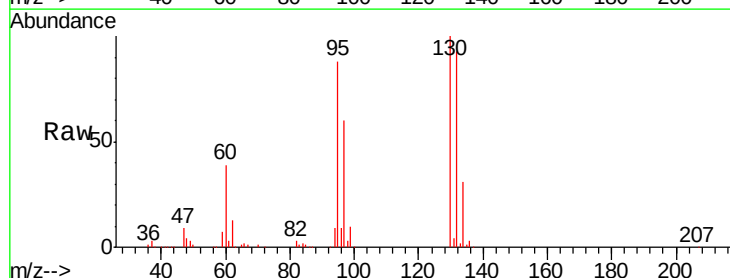
Acq: 24 Sep 2019 10:57

Tgt Ion: 130 Resp: 212239

Ion Ratio Lower Upper

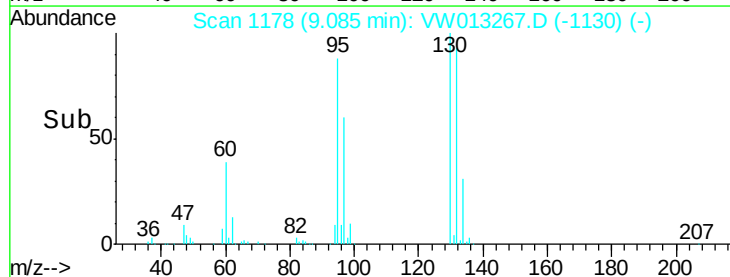
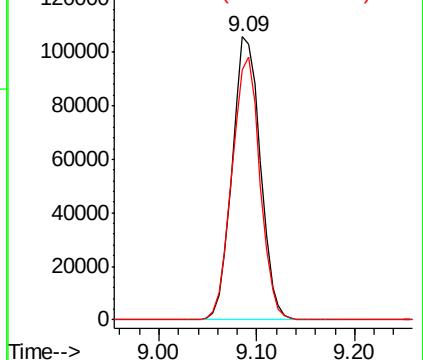
130 100

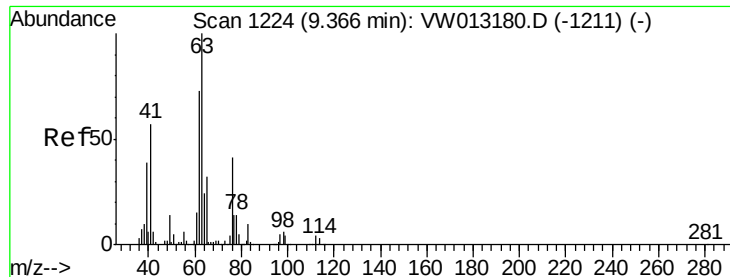
95 88.5 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

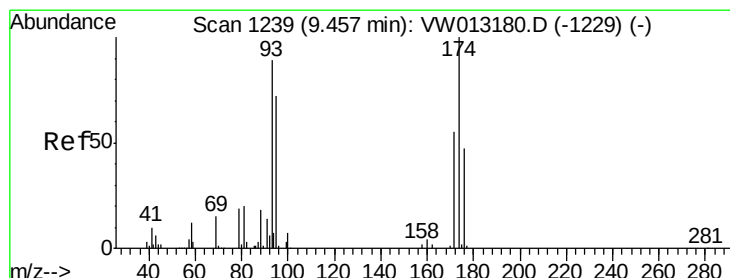
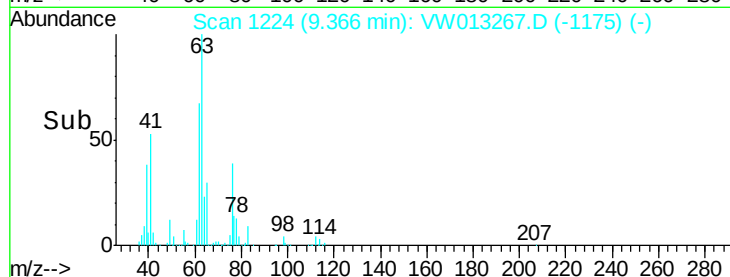
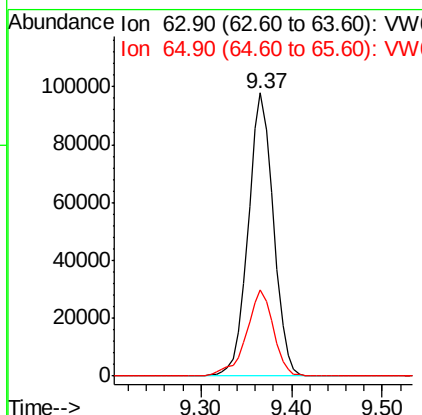
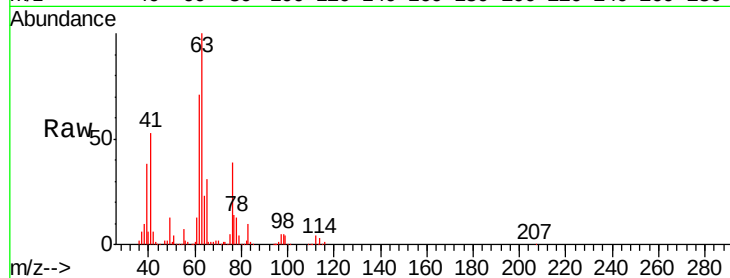




#45
 1,2-Dichloropropane
 Concen: 51.719 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013267.D
 Acq: 24 Sep 2019 10:57

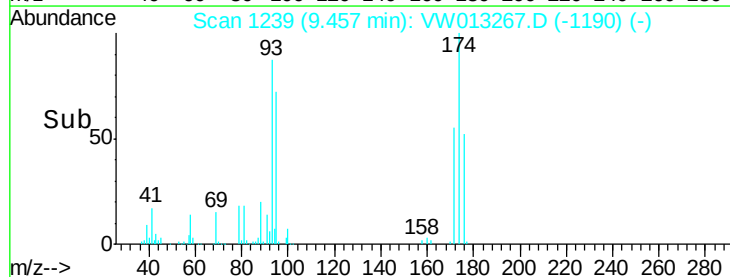
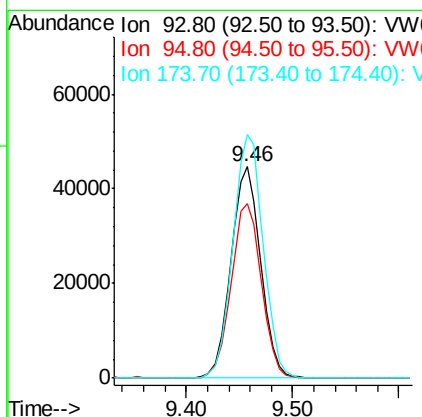
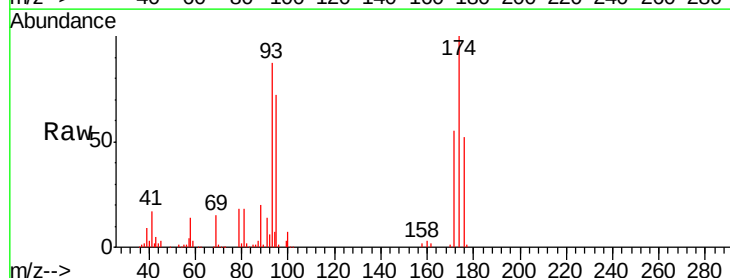
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050

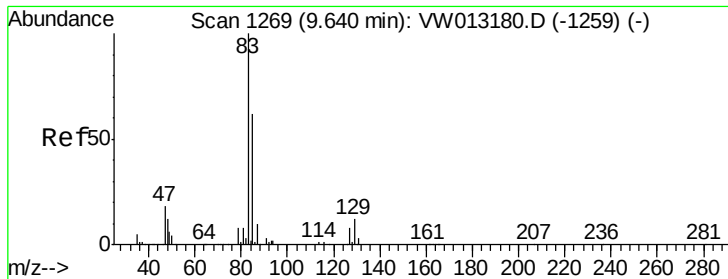
Tgt Ion: 63 Resp: 188270
 Ion Ratio Lower Upper
 63 100
 65 30.6 25.3 37.9



#46
 Dibromomethane
 Concen: 49.348 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW013267.D
 Acq: 24 Sep 2019 10:57

Tgt Ion: 93 Resp: 87213
 Ion Ratio Lower Upper
 93 100
 95 84.5 66.4 99.6
 174 118.0 93.0 139.6





#47

Bromodichloromethane

Concen: 50.422 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW013267.D

Acq: 24 Sep 2019 10:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

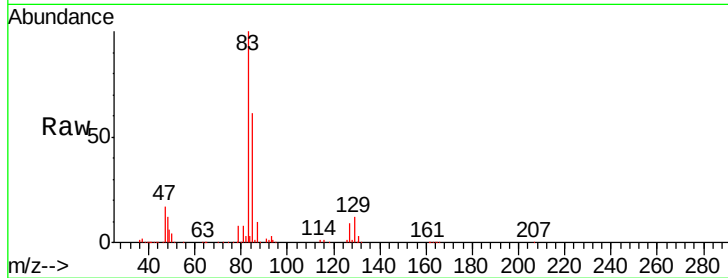
Tgt Ion: 83 Resp: 226751

Ion Ratio Lower Upper

83 100

85 61.3 49.4 74.2

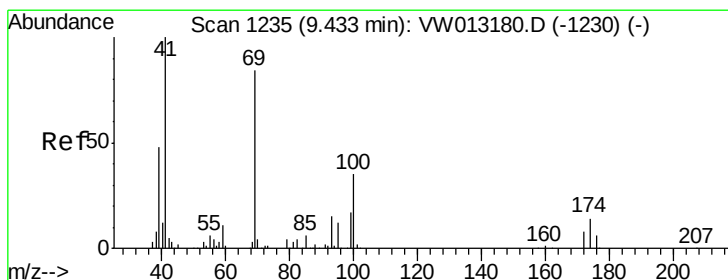
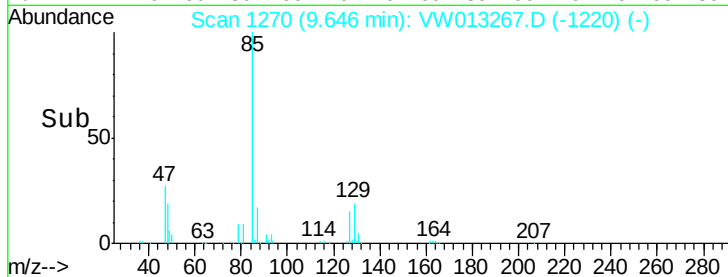
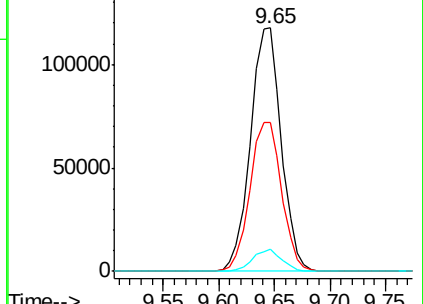
127 9.0 6.5 9.7



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: 48.784 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW013267.D

Acq: 24 Sep 2019 10:57

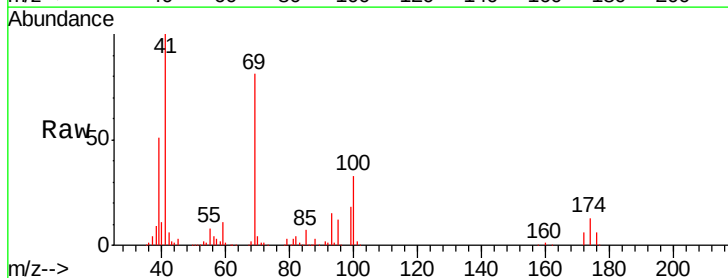
Tgt Ion: 41 Resp: 99884

Ion Ratio Lower Upper

41 100

69 88.0 69.7 104.5

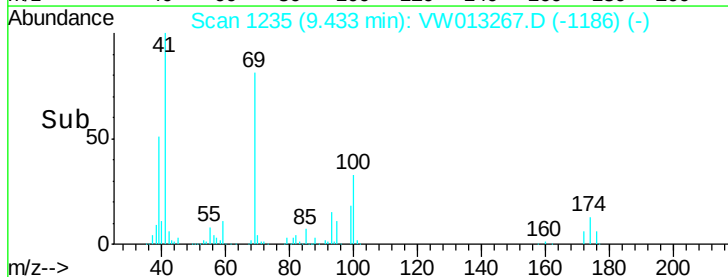
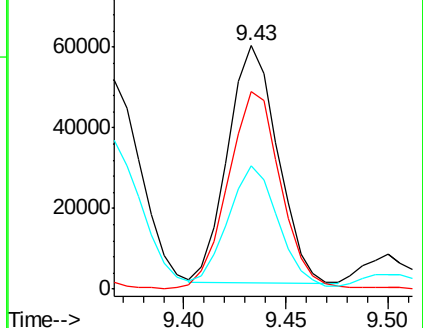
39 50.7 41.1 61.7

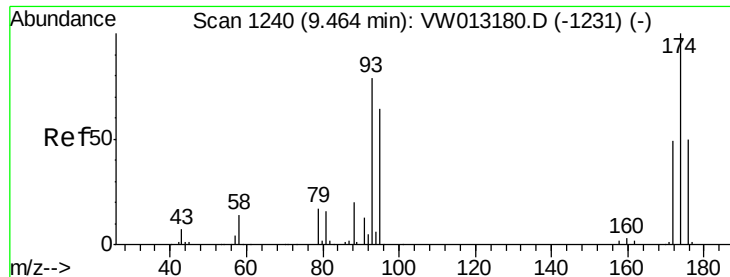


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 897.366 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.01 min

Lab File: VW013267.D

Acq: 24 Sep 2019 10:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

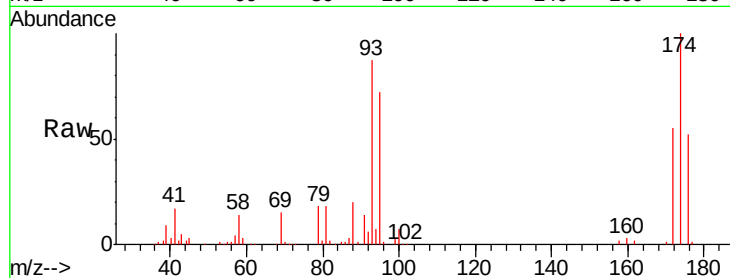
Tgt Ion: 88 Resp: 23806

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

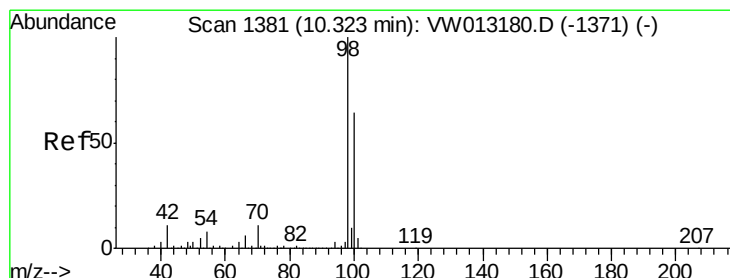
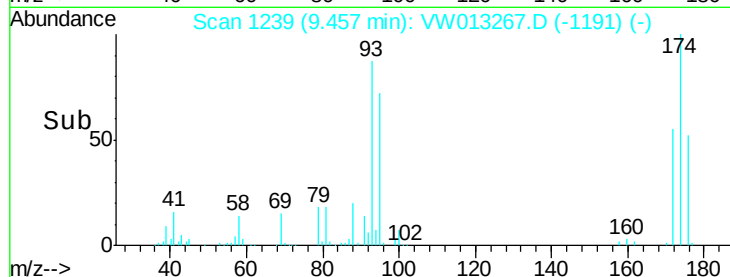
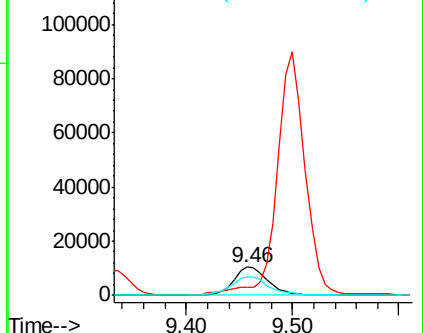
58 74.1 65.4 98.0



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 49.990 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013267.D

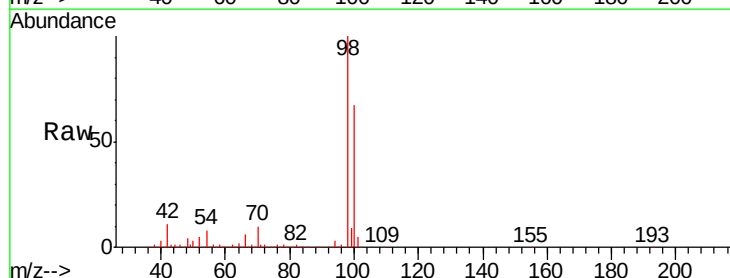
Acq: 24 Sep 2019 10:57

Tgt Ion: 98 Resp: 635059

Ion Ratio Lower Upper

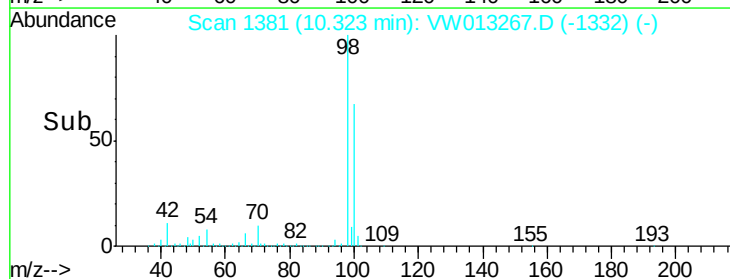
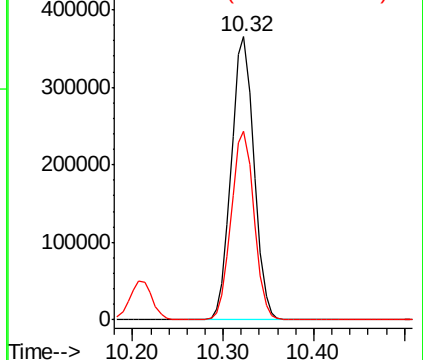
98 100

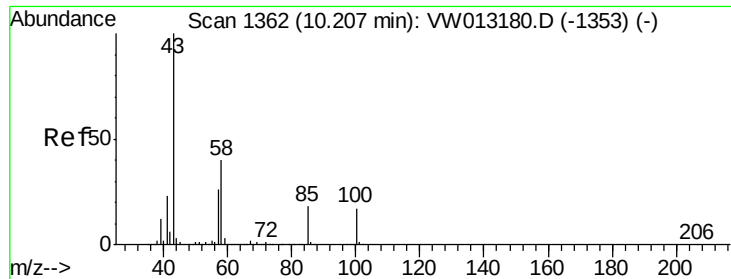
100 67.1 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

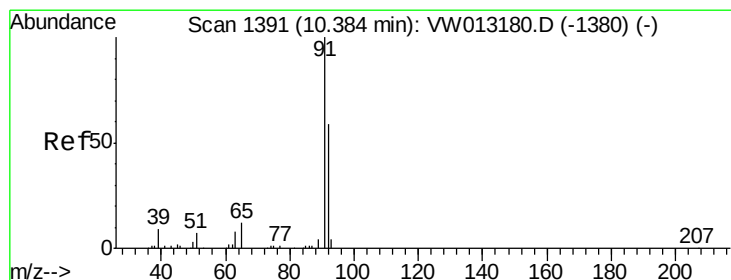
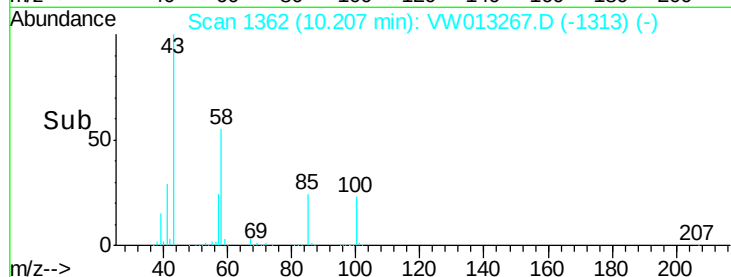
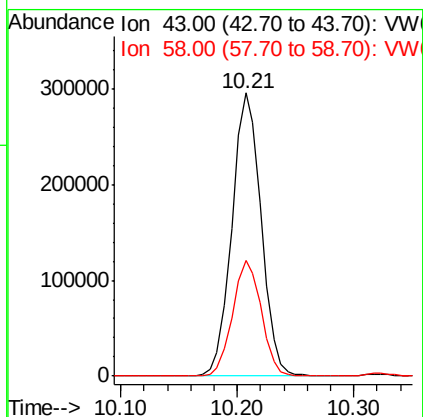
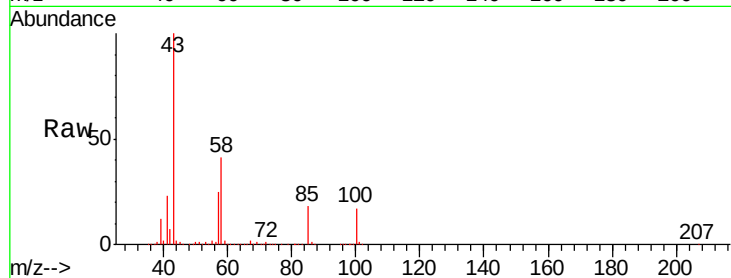




#51
 4-Methyl-2-Pentanone
 Concen: 235.744 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW013267.D
 Acq: 24 Sep 2019 10:57

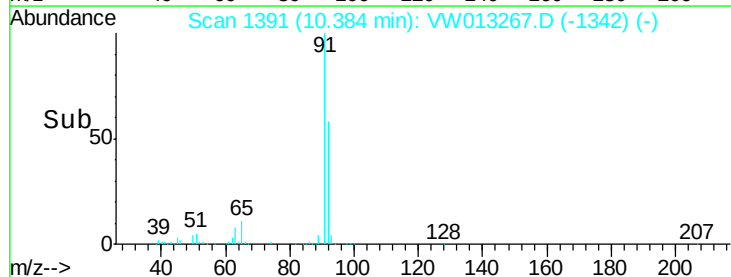
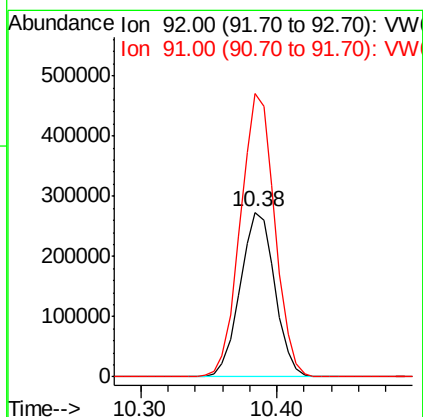
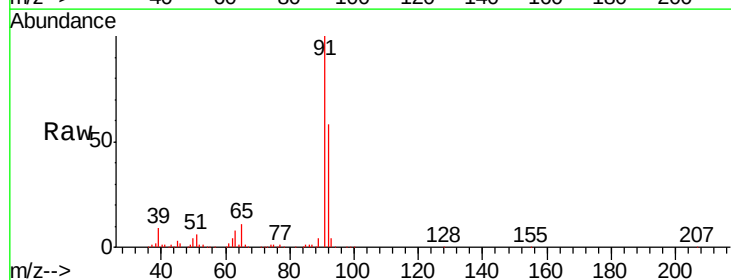
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

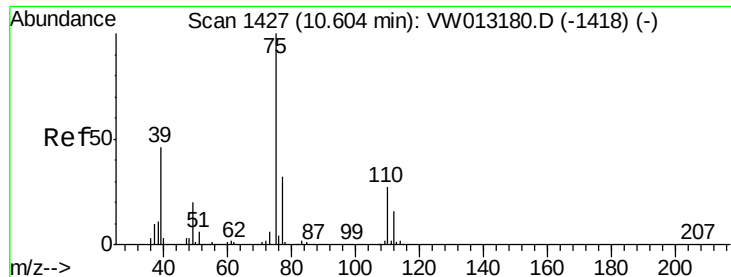
Tgt Ion: 43 Resp: 514599
 Ion Ratio Lower Upper
 43 100
 58 40.5 31.7 47.5



#52
 Toluene
 Concen: 50.835 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VW013267.D
 Acq: 24 Sep 2019 10:57

Tgt Ion: 92 Resp: 485778
 Ion Ratio Lower Upper
 92 100
 91 170.6 135.7 203.5





#53

t-1,3-Dichloropropene

Concen: 51.388 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013267.D

Acq: 24 Sep 2019 10:57

Instrument :

MSVOA_W

ClientSampleId :

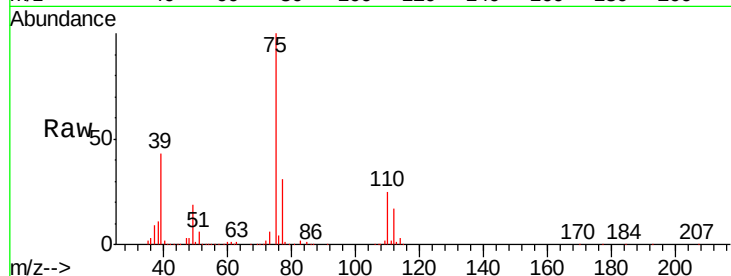
VSTDCCC050

Tgt Ion: 75 Resp: 237427

Ion Ratio Lower Upper

75 100

77 30.8 25.5 38.3



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

10.60

150000

100000

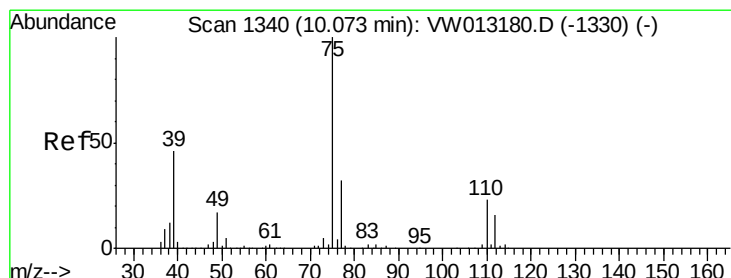
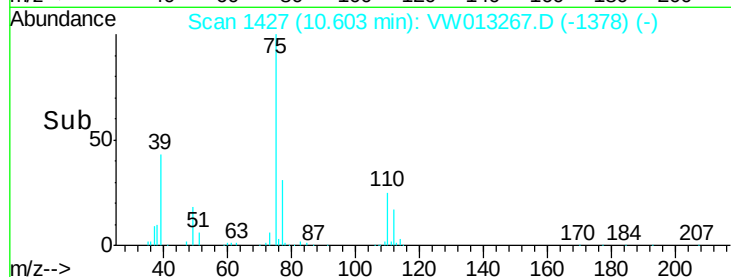
50000

0

Time--> 10.50

10.60

10.70



#54

cis-1,3-Dichloropropene

Concen: 52.536 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW013267.D

Acq: 24 Sep 2019 10:57

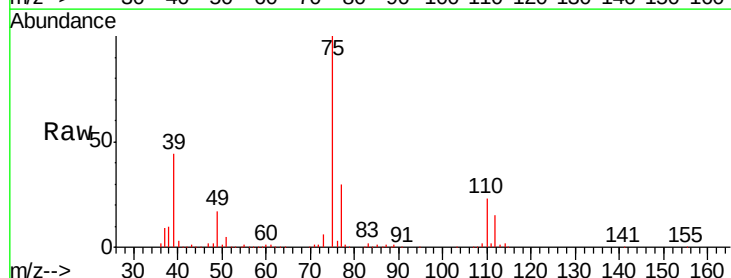
Tgt Ion: 75 Resp: 295128

Ion Ratio Lower Upper

75 100

77 30.5 25.2 37.8

39 43.6 36.6 55.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

10.07

200000

150000

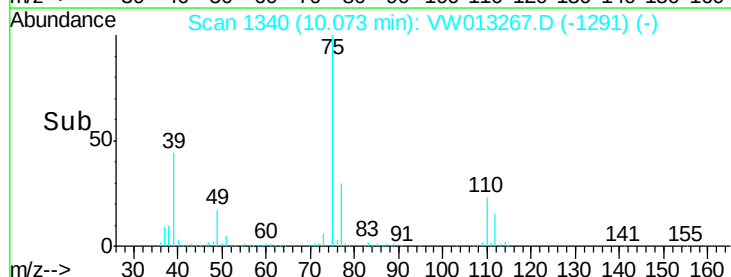
100000

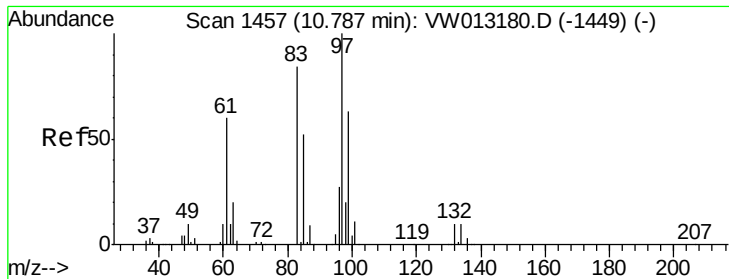
50000

0

Time--> 10.00

10.10





#55

1,1,2-Trichloroethane

Concen: 49.761 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW013267.D

Acq: 24 Sep 2019 10:57

Instrument :

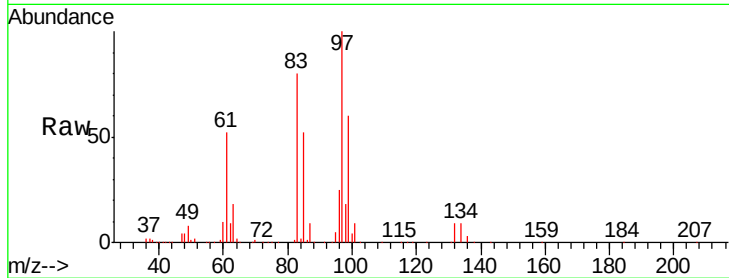
MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 131447

Ion	Ratio	Lower	Upper
97	100		
83	79.8	67.6	101.4
85	51.6	41.9	62.9
99	60.4	50.1	75.1



Abundance

Ion 96.90 (96.60 to 97.60): VW

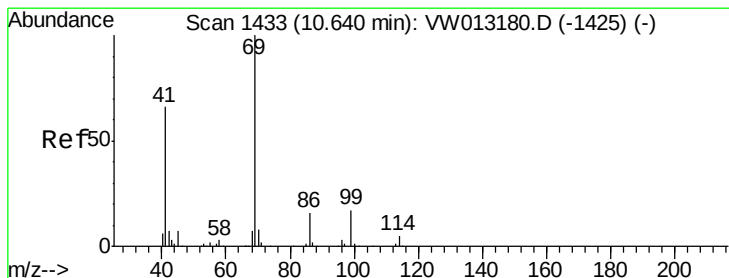
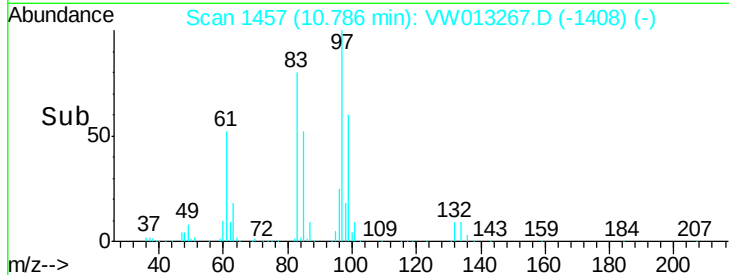
Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW

10.79

Time-->



#56

Ethyl methacrylate

Concen: 51.362 ug/l

RT: 10.64 min Scan# 1433

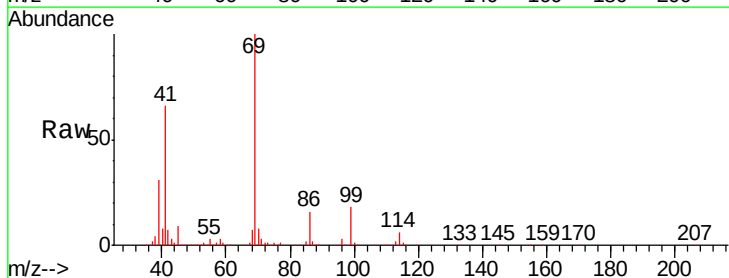
Delta R.T. -0.00 min

Lab File: VW013267.D

Acq: 24 Sep 2019 10:57

Tgt Ion: 69 Resp: 177566

Ion	Ratio	Lower	Upper
69	100		
41	64.7	53.9	80.9
39	27.7	23.8	35.6



Abundance

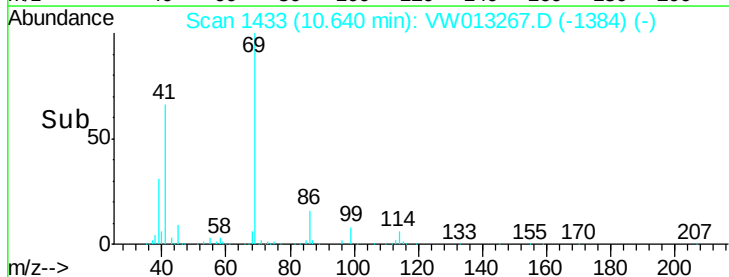
Ion 69.00 (68.70 to 69.70): VW

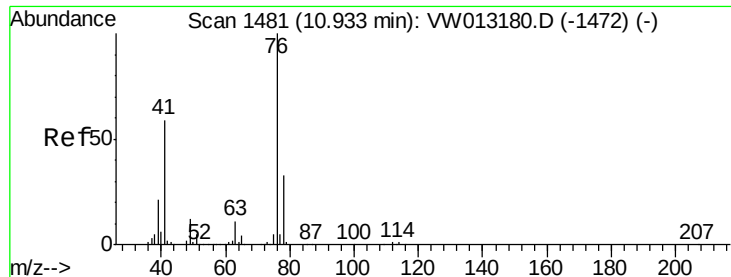
Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

10.64

Time-->





#57

1,3-Dichloropropane

Concen: 49.982 ug/l

RT: 10.93 min Scan# 1480

Delta R.T. -0.01 min

Lab File: VW013267.D

Acq: 24 Sep 2019 10:57

Instrument :

MSVOA_W

ClientSampleId :

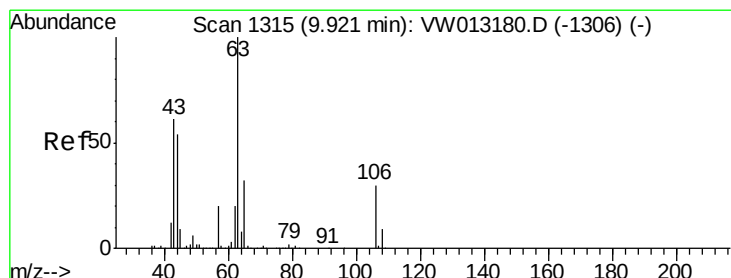
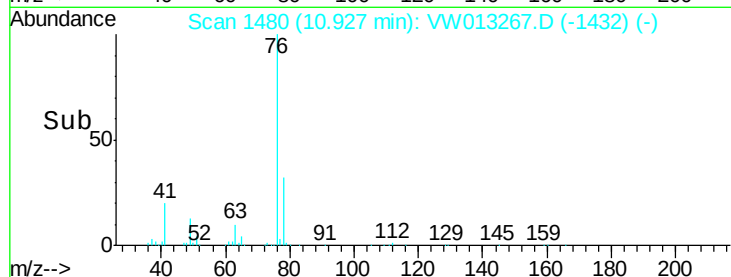
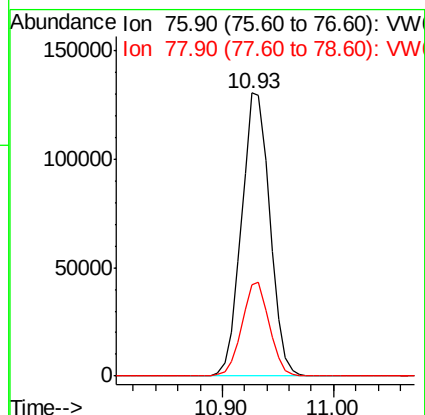
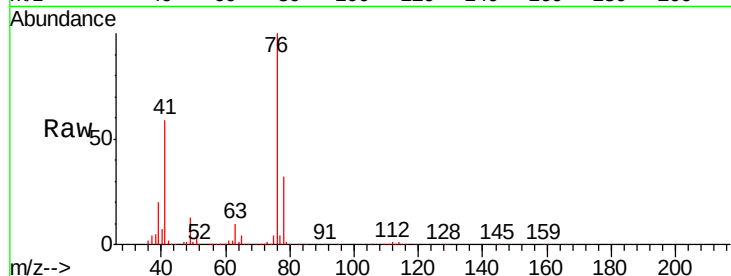
VSTDCCC050

Tgt Ion: 76 Resp: 230402

Ion Ratio Lower Upper

76 100

78 32.1 25.5 38.3



#58

2-Chloroethyl Vinyl ether

Concen: 253.476 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW013267.D

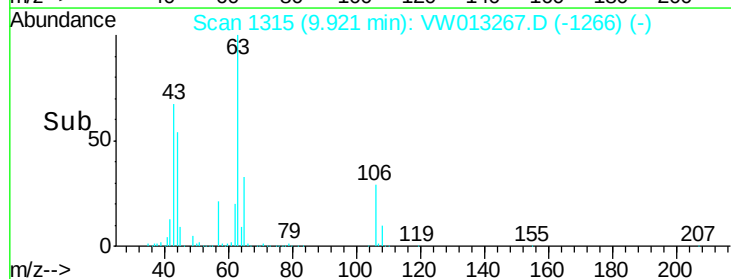
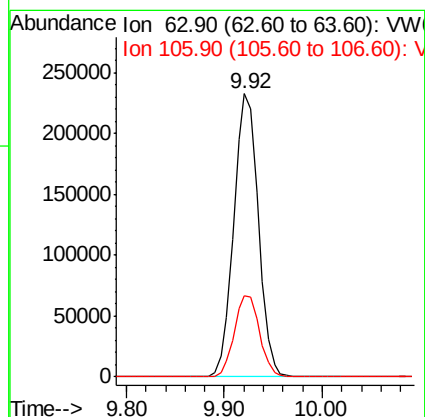
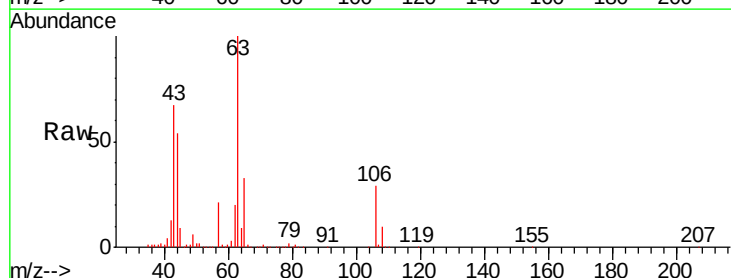
Acq: 24 Sep 2019 10:57

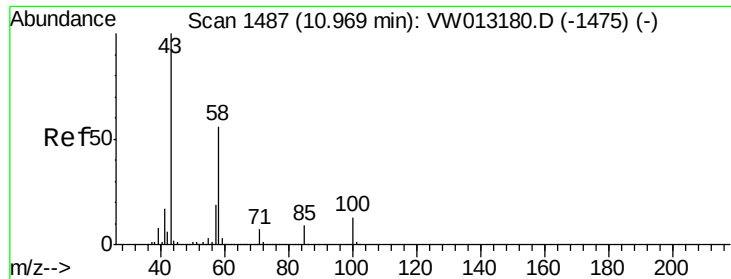
Tgt Ion: 63 Resp: 405677

Ion Ratio Lower Upper

63 100

106 29.5 23.4 35.0

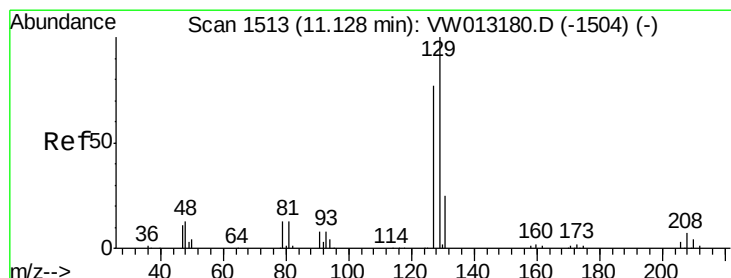
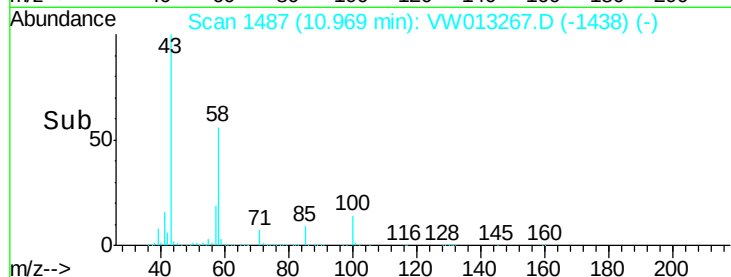
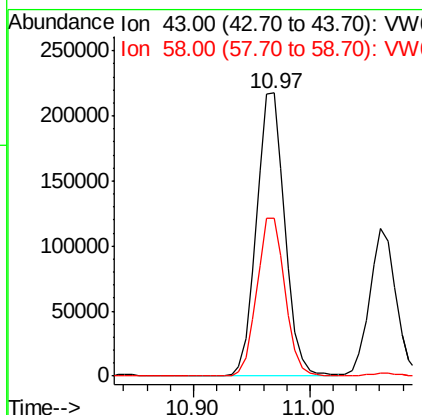
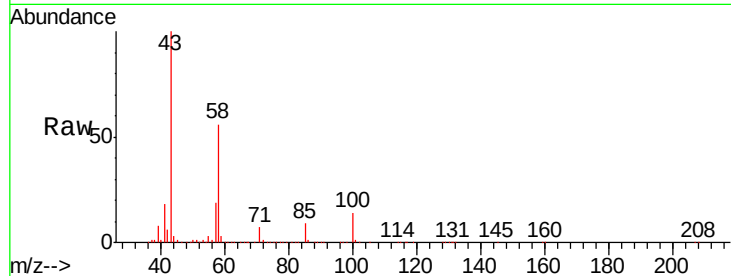




#59
2-Hexanone
Concen: 245.812 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW013267.D
Acq: 24 Sep 2019 10:57

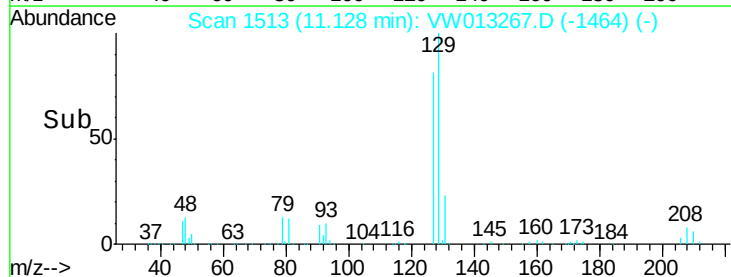
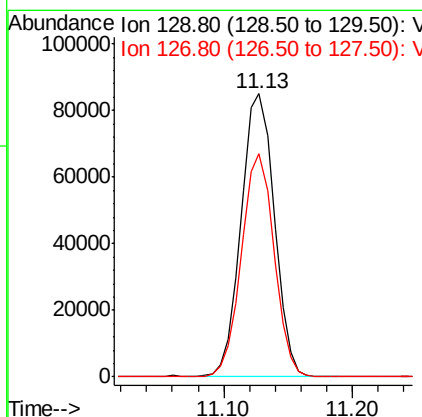
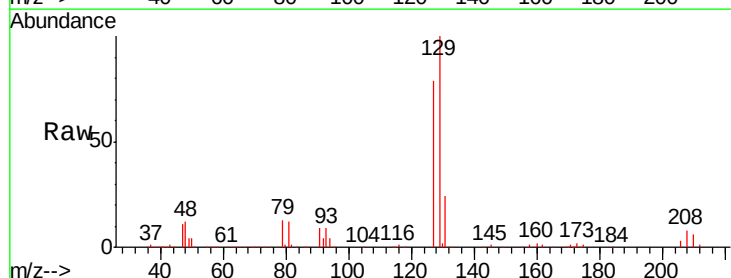
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

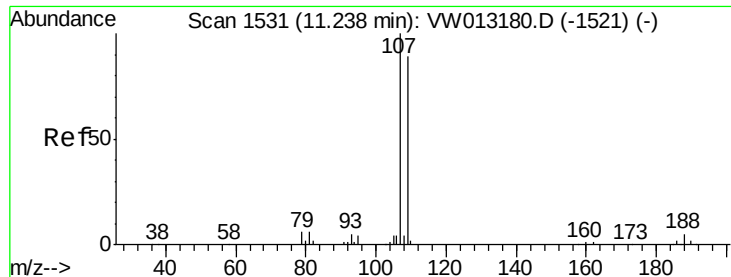
Tgt Ion: 43 Resp: 369163
Ion Ratio Lower Upper
43 100
58 55.6 28.1 84.2



#60
Dibromochloromethane
Concen: 50.510 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013267.D
Acq: 24 Sep 2019 10:57

Tgt Ion: 129 Resp: 151504
Ion Ratio Lower Upper
129 100
127 77.5 38.8 116.4





#61

1,2-Dibromoethane

Concen: 49.623 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW013267.D

Acq: 24 Sep 2019 10:57

Instrument :

MSVOA_W

ClientSampleId :

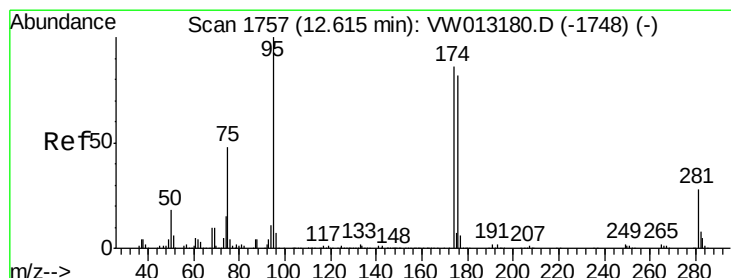
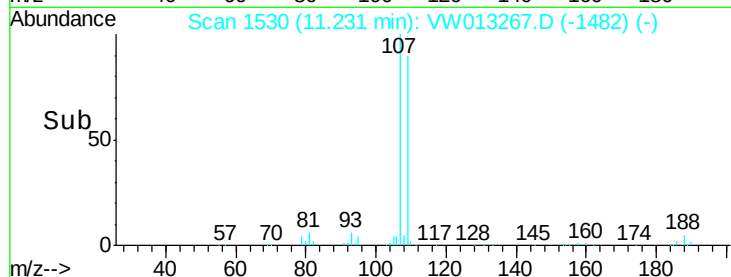
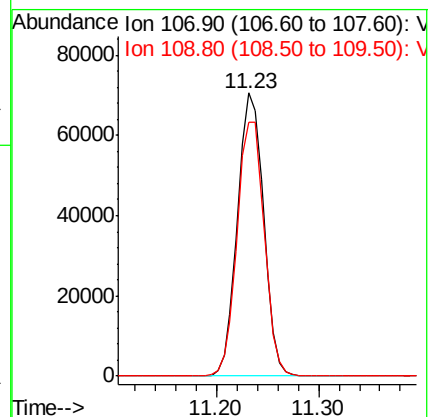
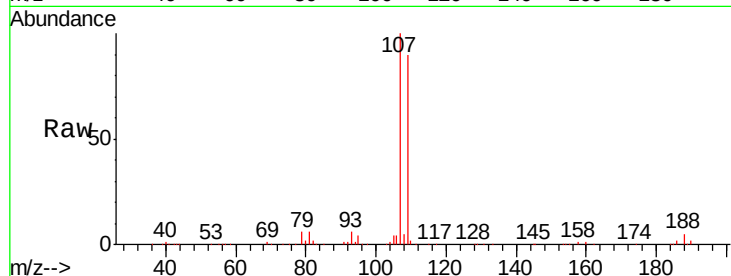
VSTDCCC050

Tgt Ion: 107 Resp: 124632

Ion Ratio Lower Upper

107 100

109 93.9 75.2 112.8



#62

4-Bromofluorobenzene

Concen: 50.162 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013267.D

Acq: 24 Sep 2019 10:57

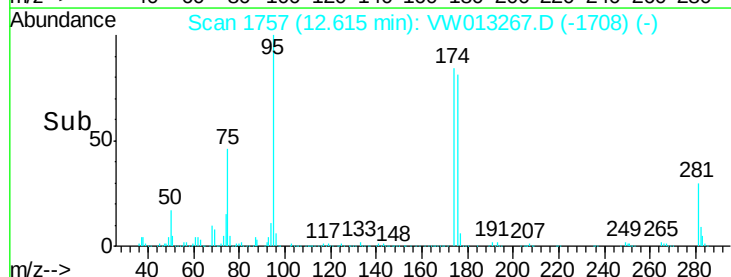
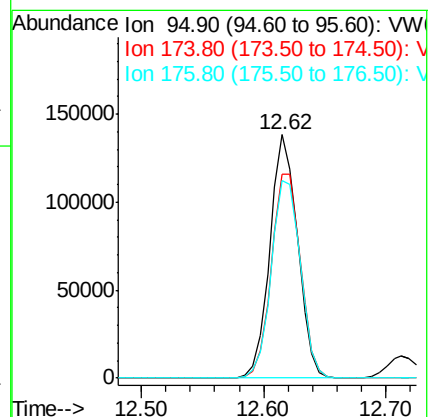
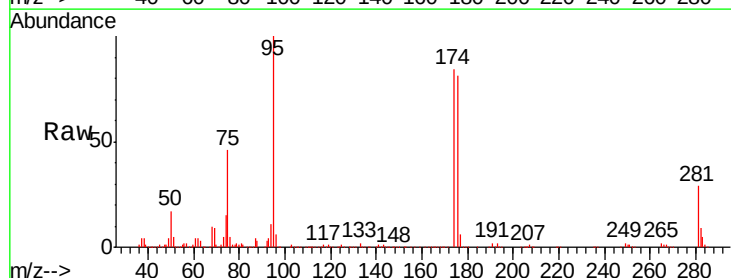
Tgt Ion: 95 Resp: 217677

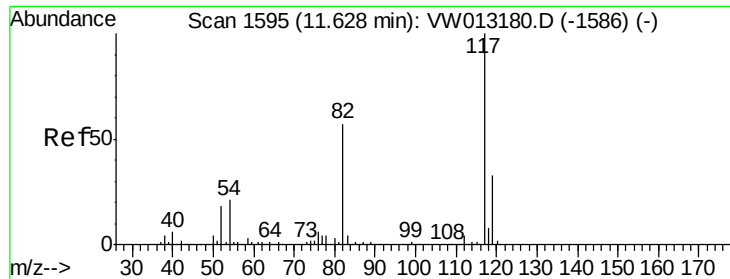
Ion Ratio Lower Upper

95 100

174 88.2 0.0 178.4

176 85.5 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: VW013267.D

Acq: 24 Sep 2019 10:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

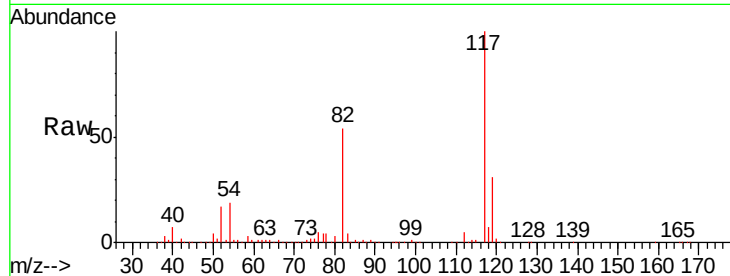
Tgt Ion:117 Resp: 476884

Ion Ratio Lower Upper

117 100

82 54.0 45.9 68.9

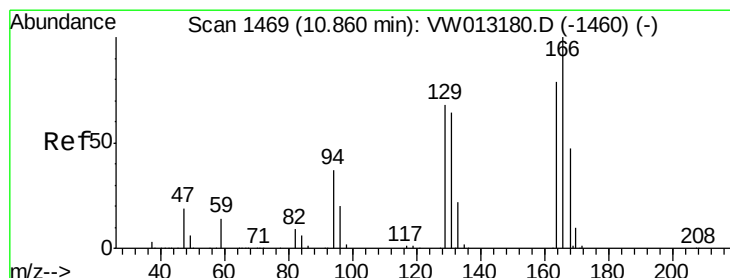
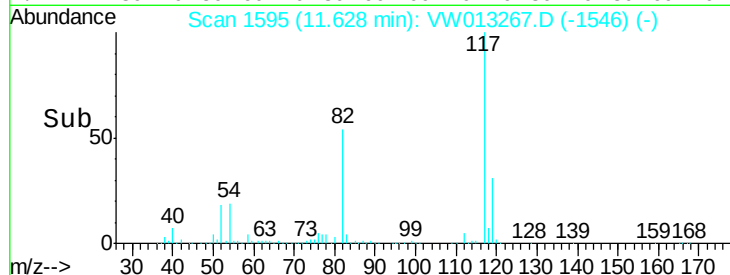
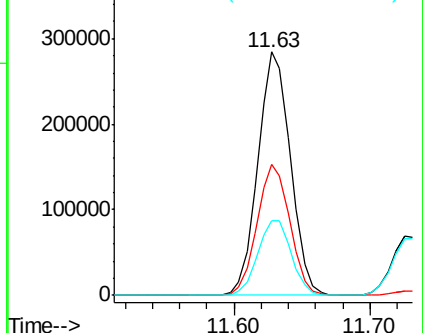
119 30.6 26.2 39.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 50.510 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW013267.D

Acq: 24 Sep 2019 10:57

Tgt Ion:164 Resp: 182761

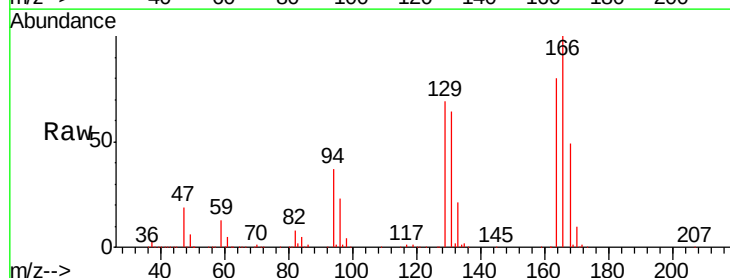
Ion Ratio Lower Upper

164 100

166 124.9 101.2 151.8

129 85.6 68.8 103.2

131 79.9 65.2 97.8

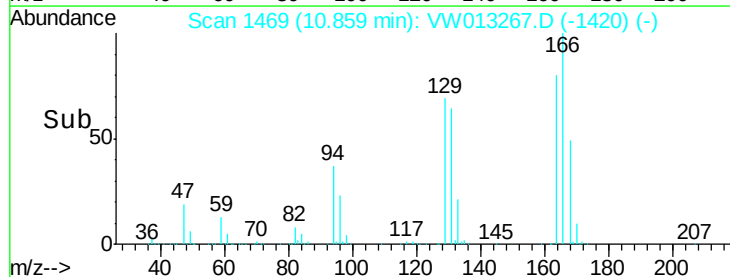
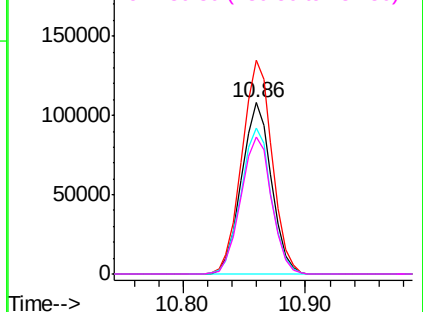


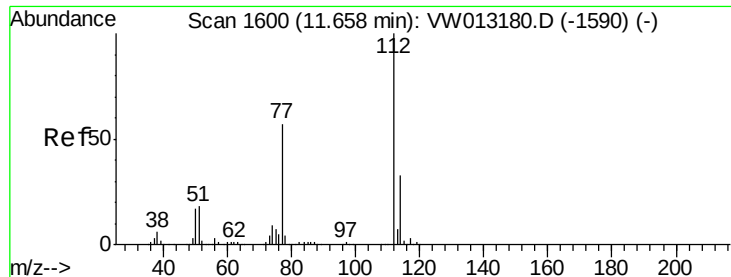
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

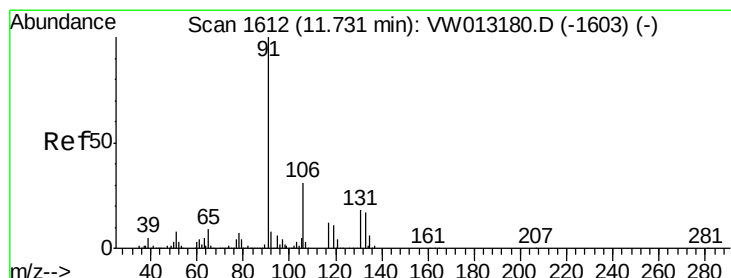
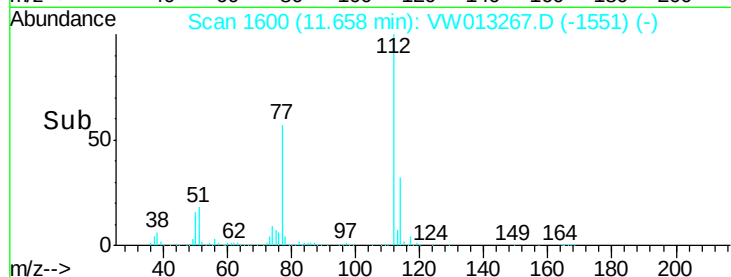
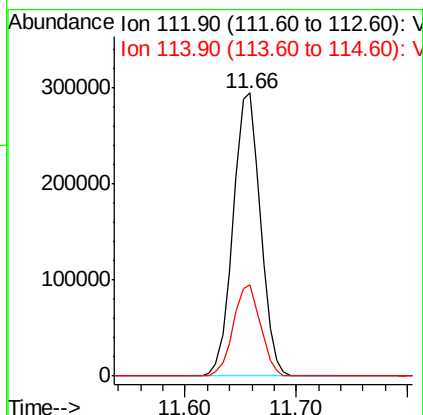
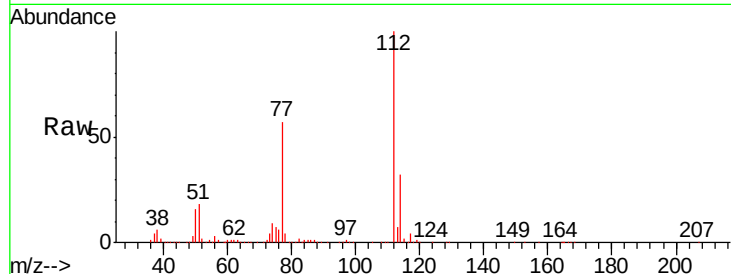




#65
Chlorobenzene
Concen: 50.251 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013267.D
Acq: 24 Sep 2019 10:57

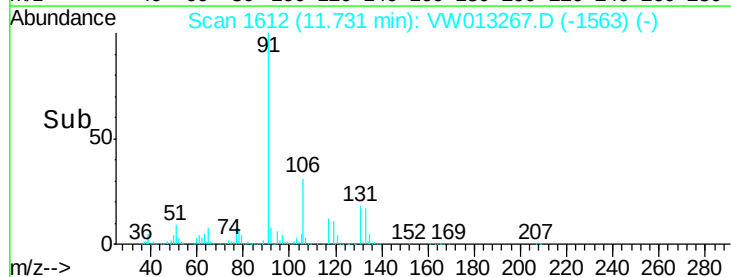
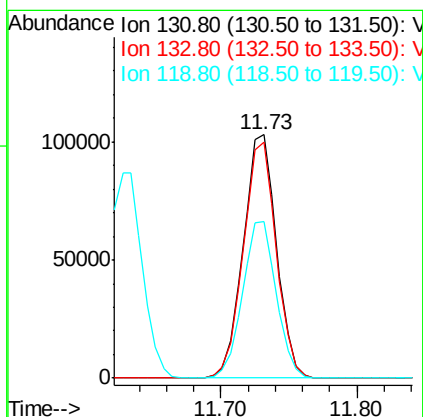
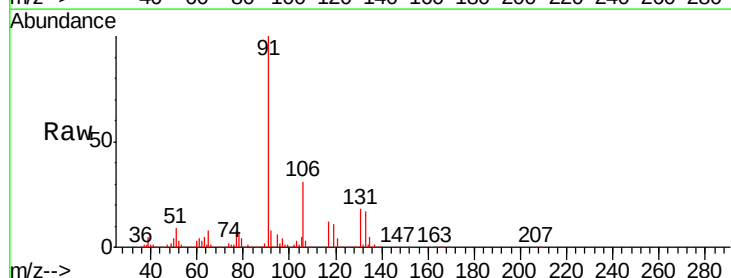
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

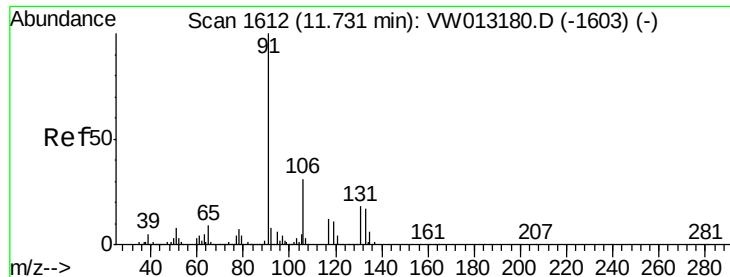
Tgt Ion:112 Resp: 500418
Ion Ratio Lower Upper
112 100
114 32.4 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 51.811 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013267.D
Acq: 24 Sep 2019 10:57

Tgt Ion:131 Resp: 176264
Ion Ratio Lower Upper
131 100
133 96.3 47.5 142.6
119 65.1 32.5 97.5

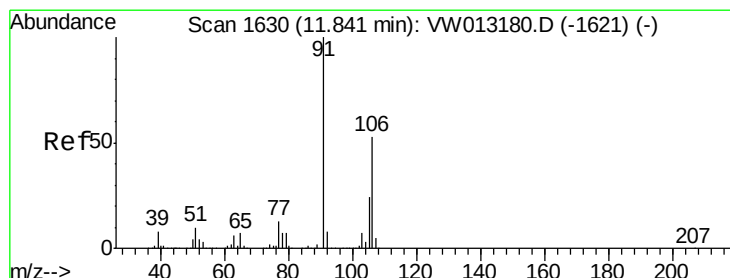
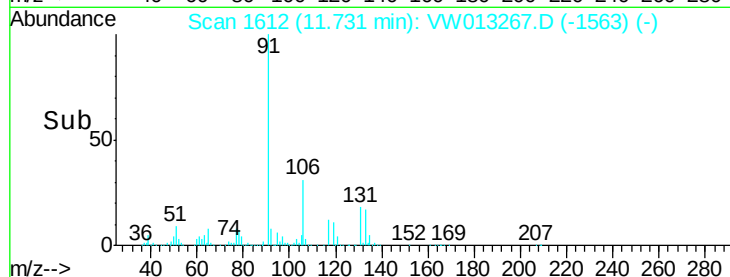
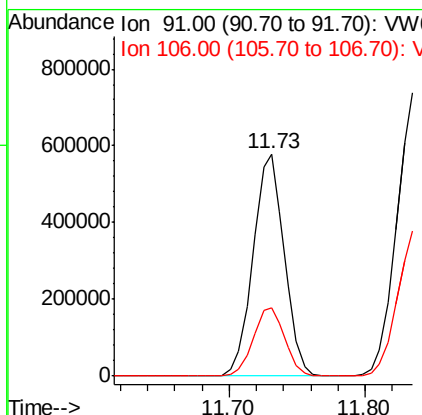
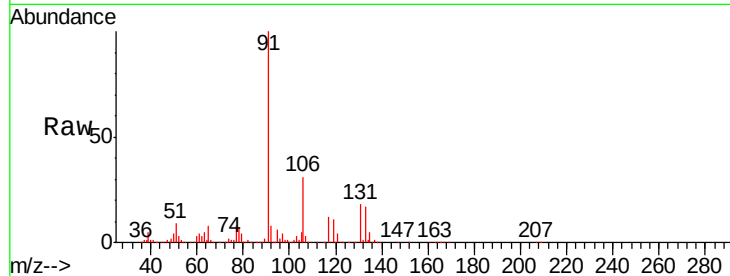




#67
Ethyl Benzene
Concen: 51.555 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013267.D
Acq: 24 Sep 2019 10:57

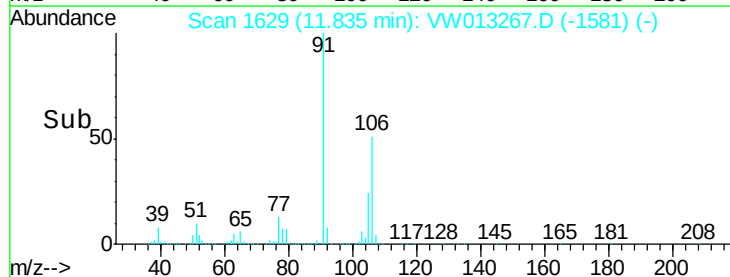
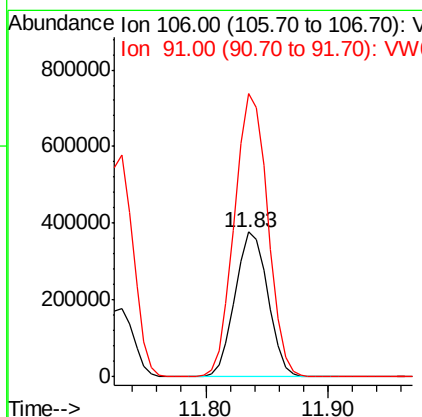
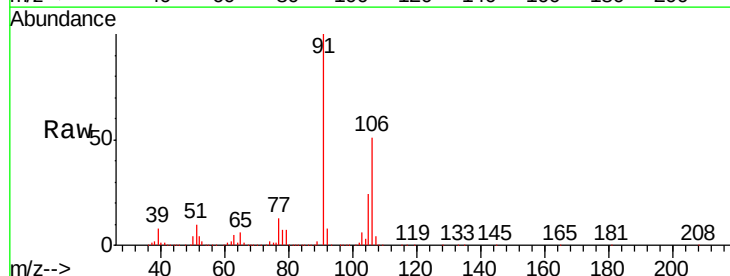
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

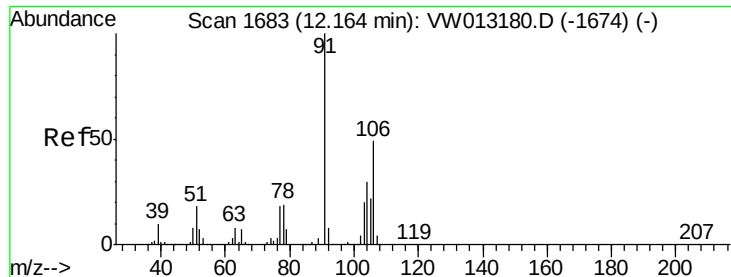
Tgt Ion: 91 Resp: 930234
Ion Ratio Lower Upper
91 100
106 31.0 24.9 37.3



#68
m/p-Xylenes
Concen: 102.735 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW013267.D
Acq: 24 Sep 2019 10:57

Tgt Ion: 106 Resp: 706372
Ion Ratio Lower Upper
106 100
91 197.5 157.9 236.9

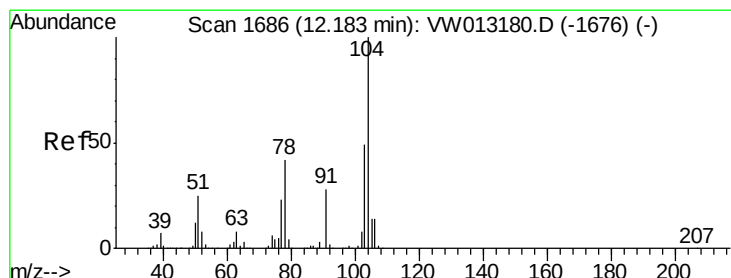
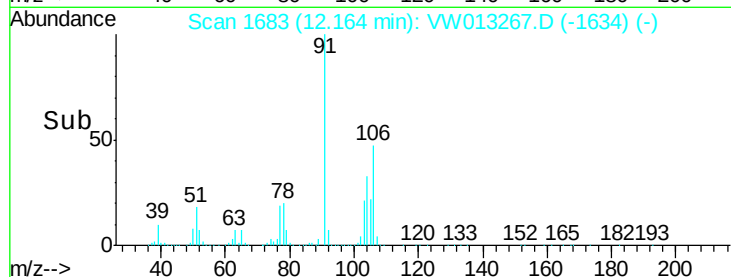
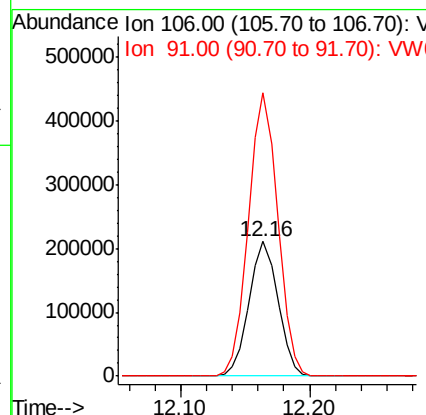
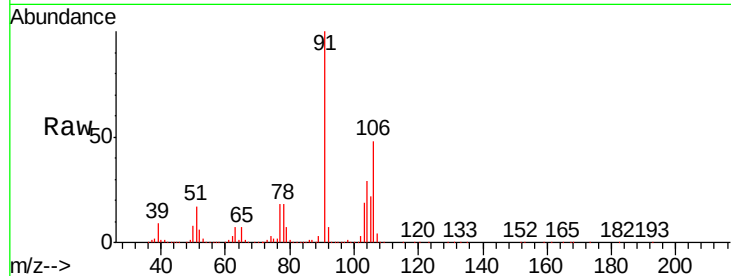




#69
o-Xylene
Concen: 51.384 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013267.D
Acq: 24 Sep 2019 10:57

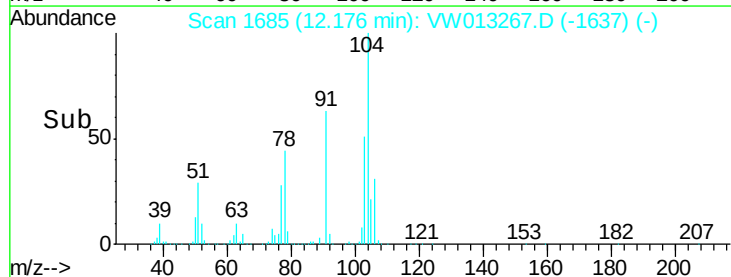
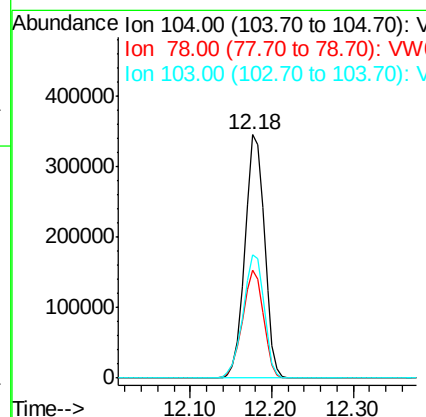
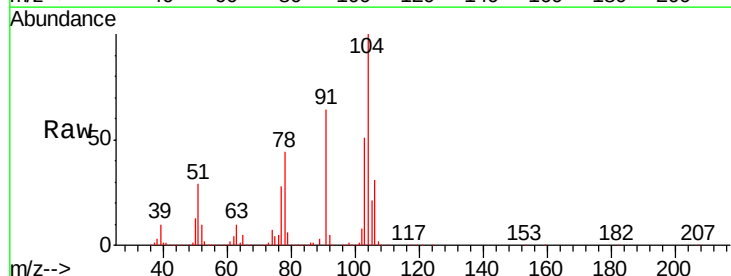
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

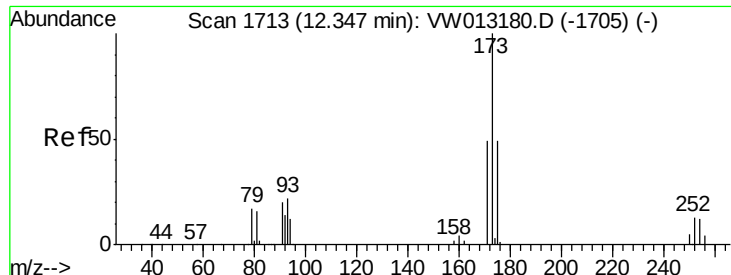
Tgt Ion:106 Resp: 328469
Ion Ratio Lower Upper
106 100
91 211.5 106.5 319.5



#70
Styrene
Concen: 52.015 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW013267.D
Acq: 24 Sep 2019 10:57

Tgt Ion:104 Resp: 570840
Ion Ratio Lower Upper
104 100
78 47.3 38.4 57.6
103 54.5 43.3 64.9

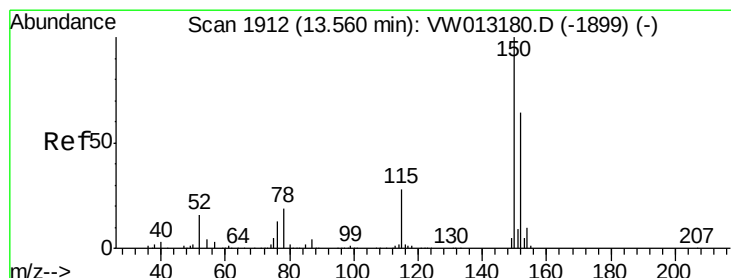
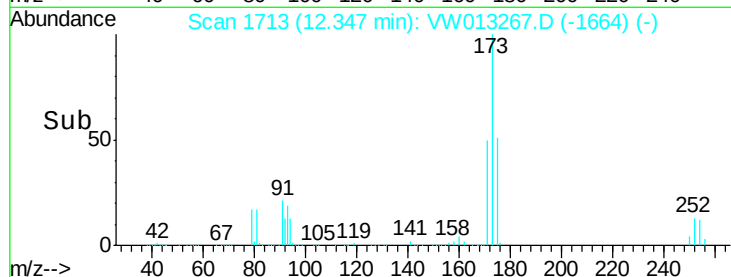
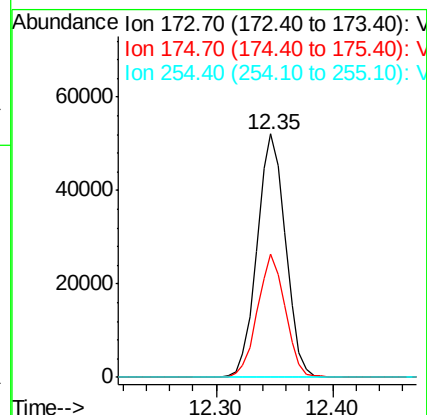
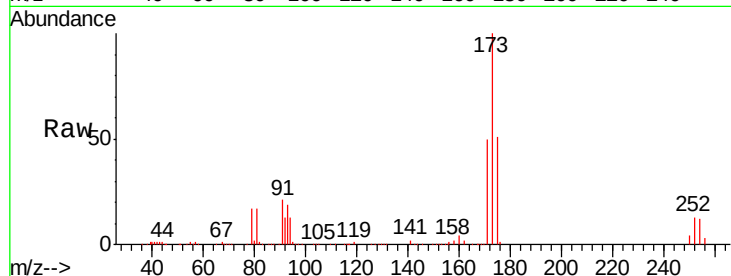




#71
Bromoform
Concen: 49.499 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW013267.D
Acq: 24 Sep 2019 10:57

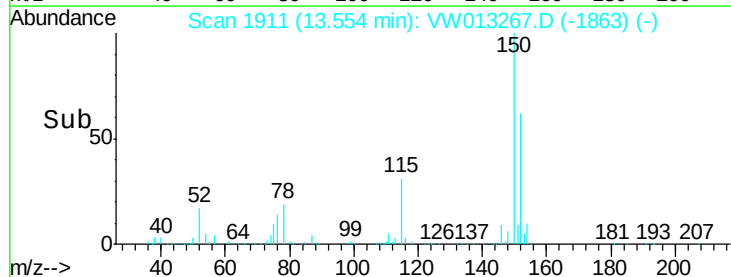
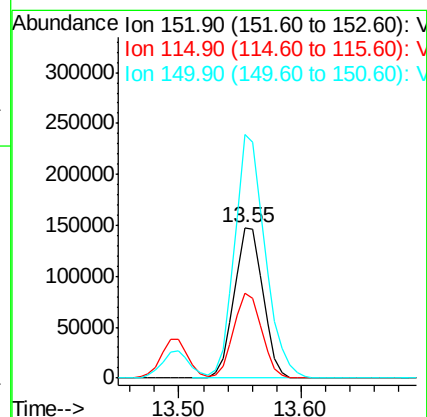
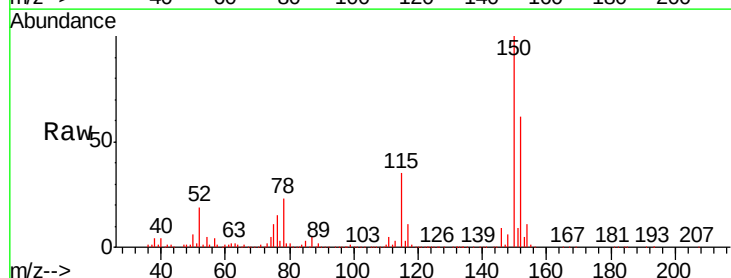
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

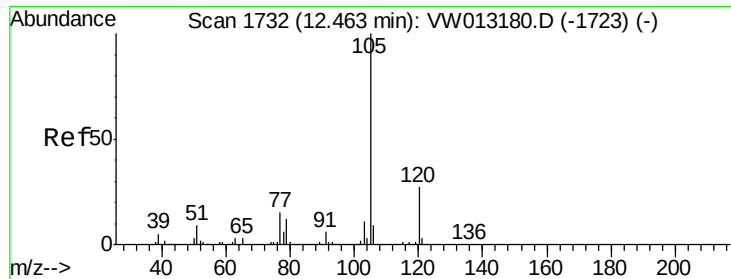
Tgt Ion:173 Resp: 88966
Ion Ratio Lower Upper
173 100
175 49.7 24.3 73.0
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW013267.D
Acq: 24 Sep 2019 10:57

Tgt Ion:152 Resp: 240342
Ion Ratio Lower Upper
152 100
115 54.8 27.3 81.9
150 170.6 0.0 349.0





#73

Isopropylbenzene

Concen: 51.605 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013267.D

Acq: 24 Sep 2019 10:57

Instrument :

MSVOA_W

ClientSampleId :

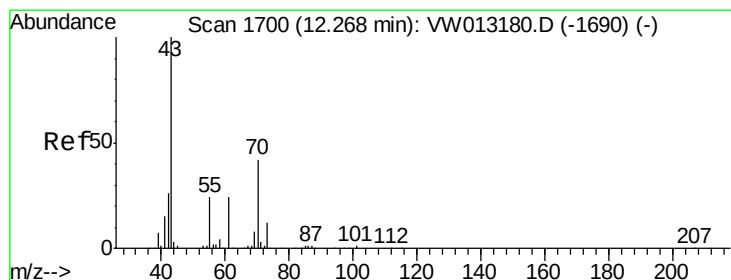
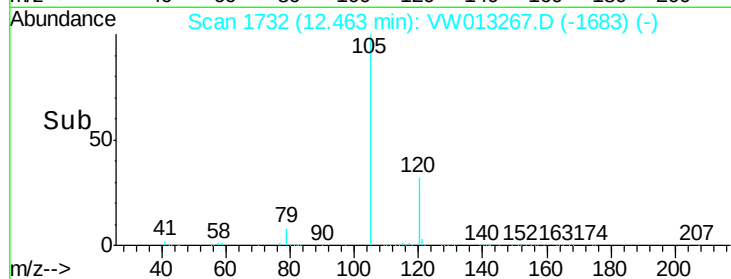
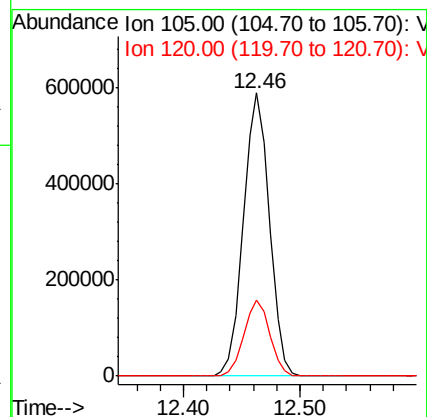
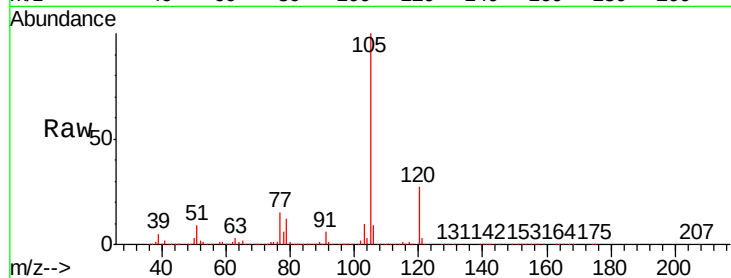
VSTDCCC050

Tgt Ion: 105 Resp: 916205

Ion Ratio Lower Upper

105 100

120 26.5 13.4 40.1



#74

N-ethyl acetate

Concen: 50.212 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VW013267.D

Acq: 24 Sep 2019 10:57

Tgt Ion: 43 Resp: 197818

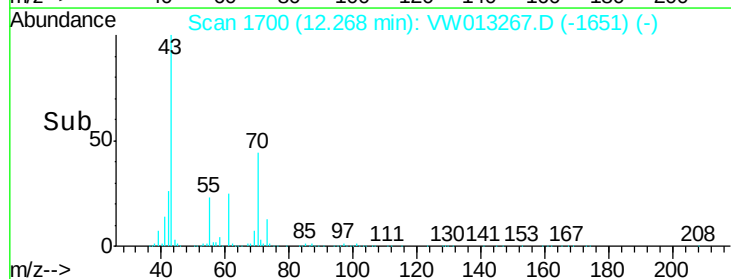
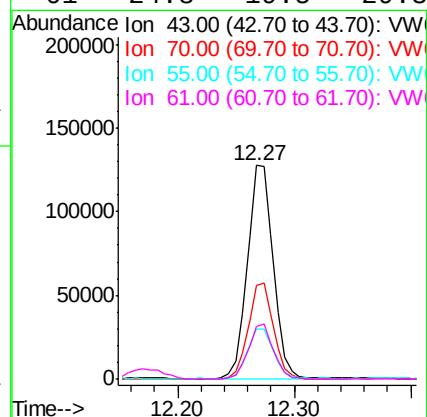
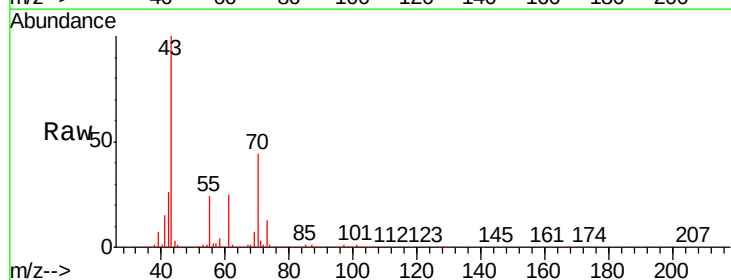
Ion Ratio Lower Upper

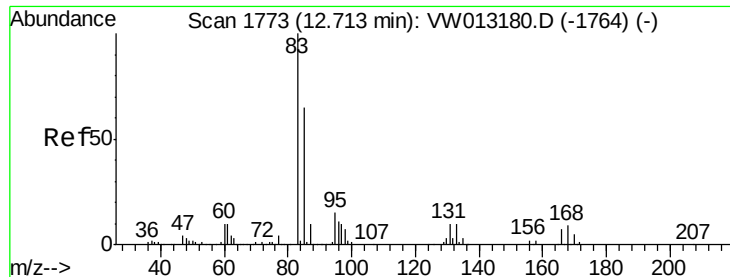
43 100

70 43.8 35.1 52.7

55 23.4 19.9 29.9

61 24.8 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 47.626 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013267.D

Acq: 24 Sep 2019 10:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

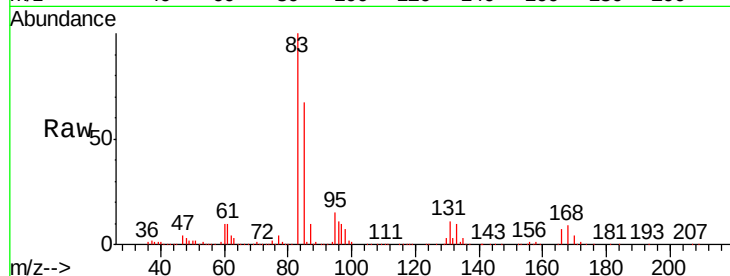
Tgt Ion: 83 Resp: 141414

Ion Ratio Lower Upper

83 100

131 11.3 5.4 16.2

85 65.0 31.9 95.9



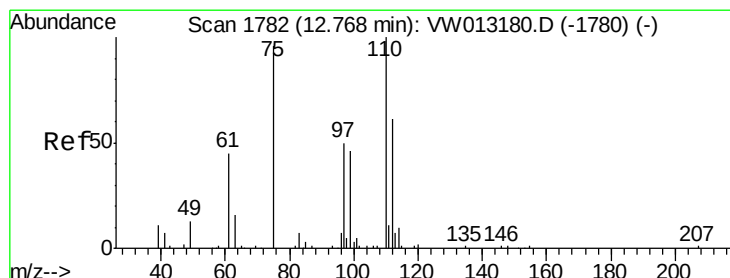
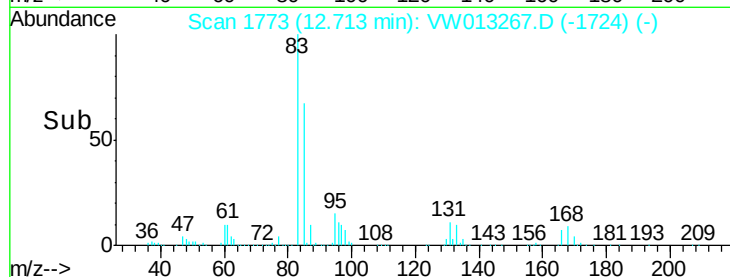
Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW

12.71

Time-->



#76

1,2,3-Trichloropropane

Concen: 86.636 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW013267.D

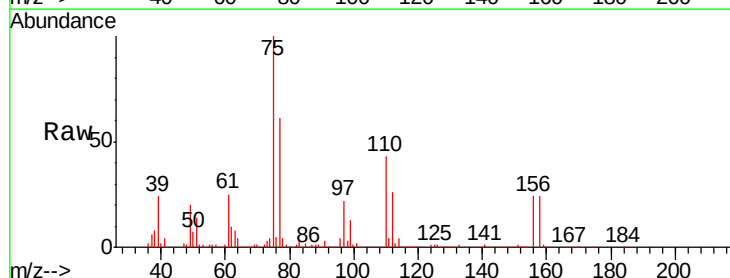
Acq: 24 Sep 2019 10:57

Tgt Ion: 75 Resp: 183888

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

250000

200000

150000

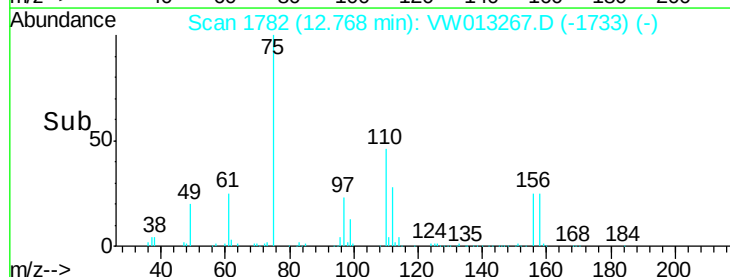
100000

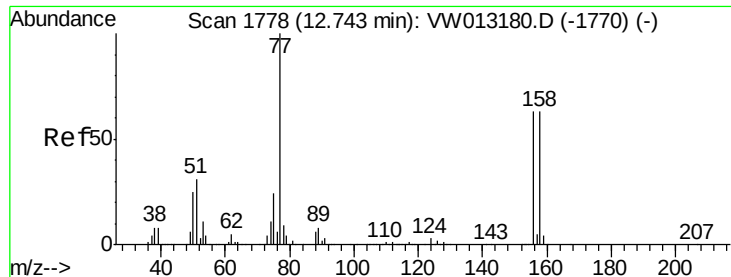
50000

0

12.77

Time-->





#77

Bromobenzene

Concen: 50.409 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013267.D

Acq: 24 Sep 2019 10:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

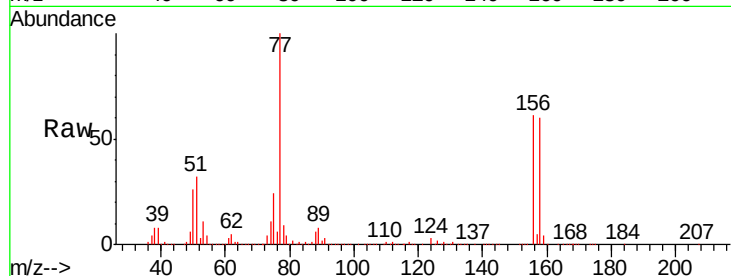
Tgt Ion:156 Resp: 212086

Ion Ratio Lower Upper

156 100

77 173.8 85.7 257.1

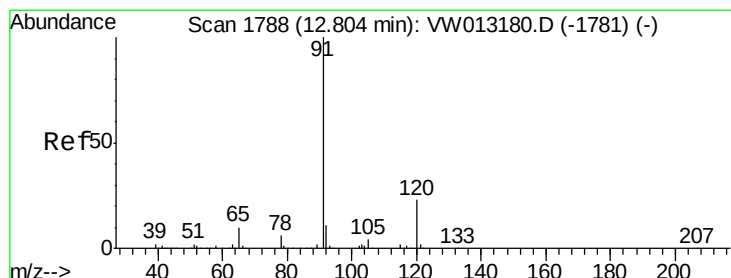
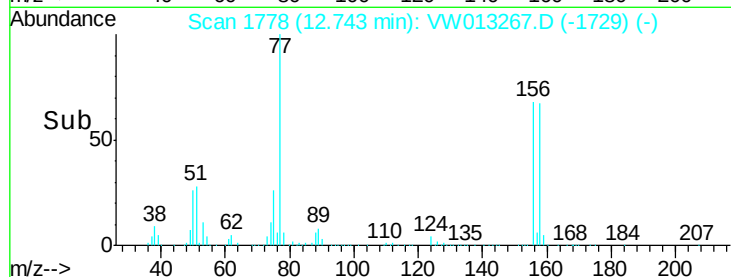
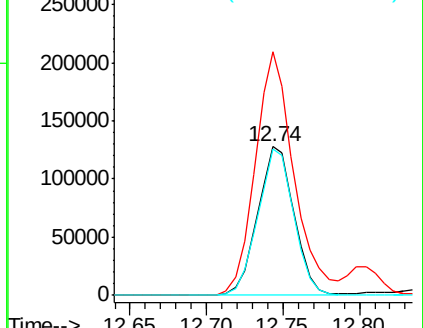
158 97.1 48.1 144.4



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: 51.450 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013267.D

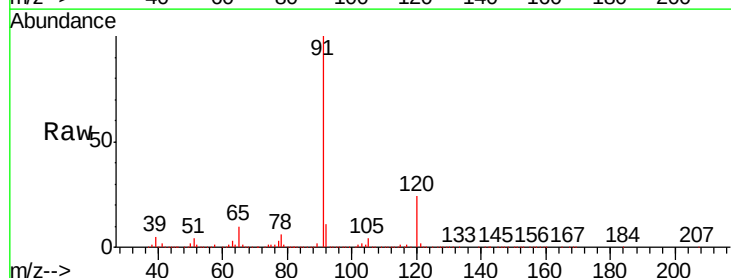
Acq: 24 Sep 2019 10:57

Tgt Ion: 91 Resp: 1069231

Ion Ratio Lower Upper

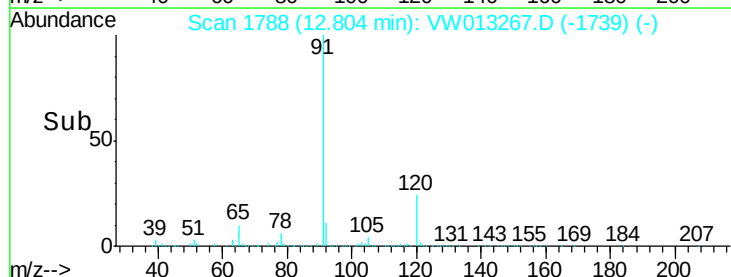
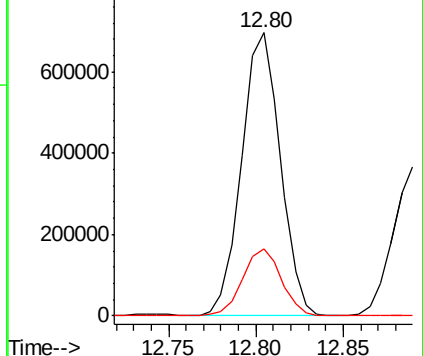
91 100

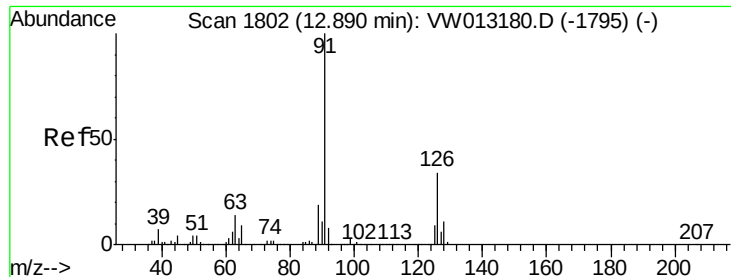
120 23.7 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.723 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013267.D

Acq: 24 Sep 2019 10:57

Instrument :

MSVOA_W

ClientSampleId :

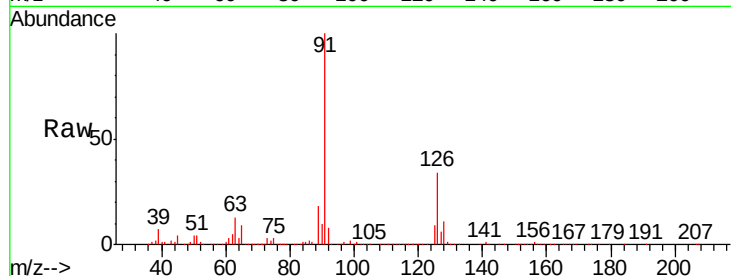
VSTDCCC050

Tgt Ion: 91 Resp: 590554

Ion Ratio Lower Upper

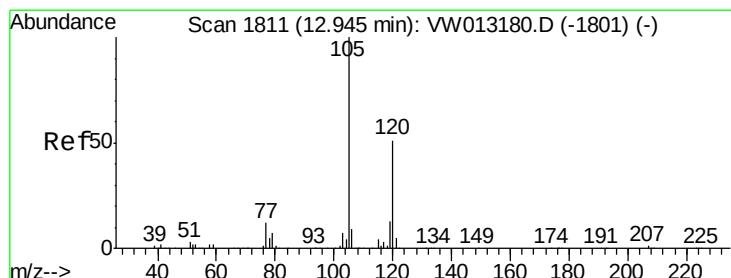
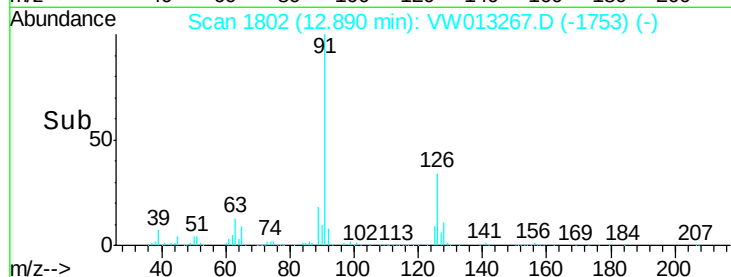
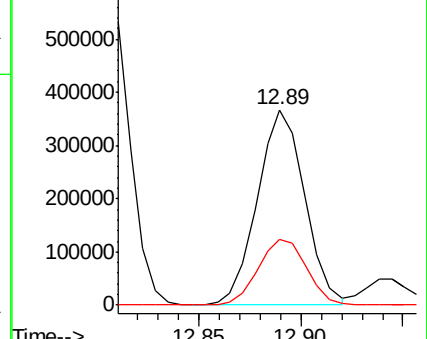
91 100

126 34.7 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: 51.798 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW013267.D

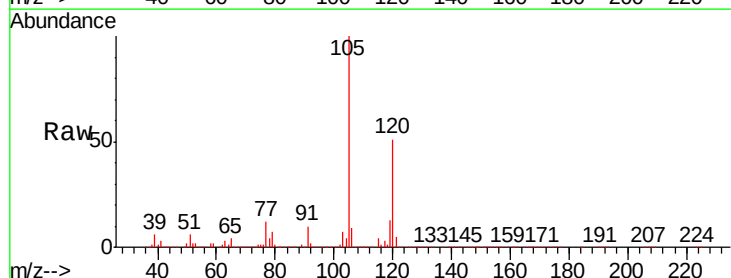
Acq: 24 Sep 2019 10:57

Tgt Ion: 105 Resp: 773046

Ion Ratio Lower Upper

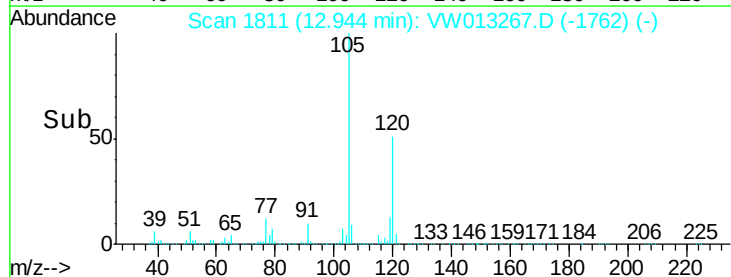
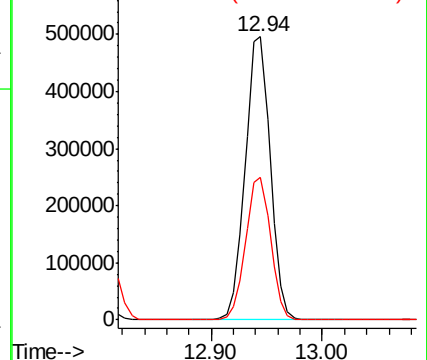
105 100

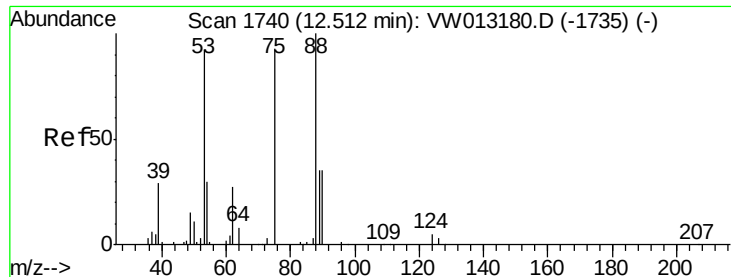
120 50.5 24.9 74.8



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: 51.593 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW013267.D

Acq: 24 Sep 2019 10:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

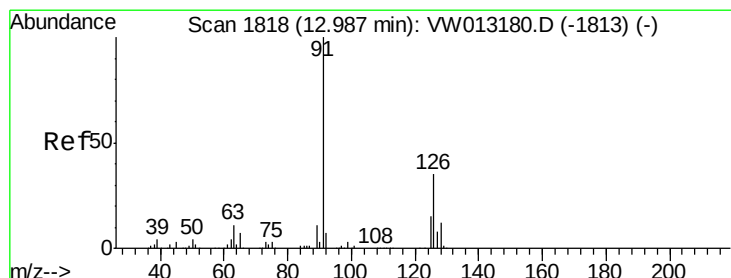
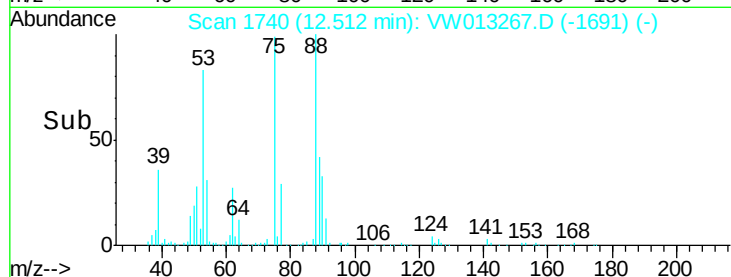
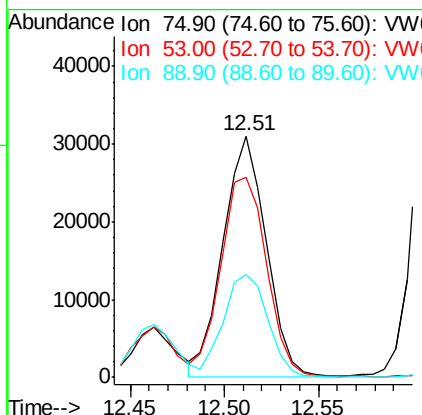
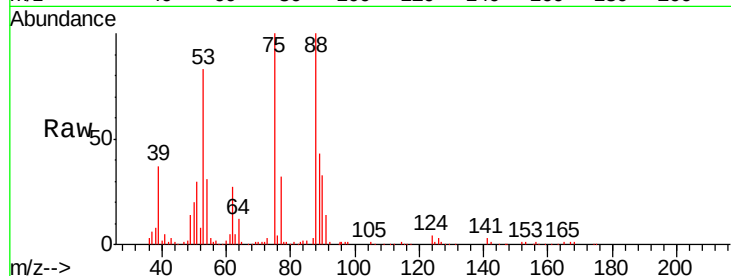
Tgt Ion: 75 Resp: 48802

Ion Ratio Lower Upper

75 100

53 88.9 76.6 114.8

89 43.8 33.5 50.3



#82

4-Chlorotoluene

Concen: 50.156 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW013267.D

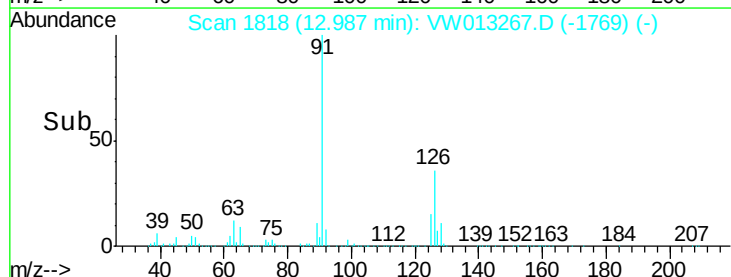
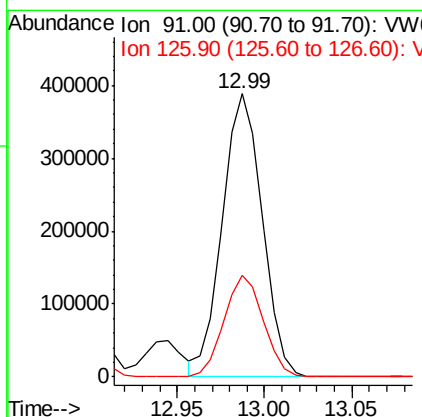
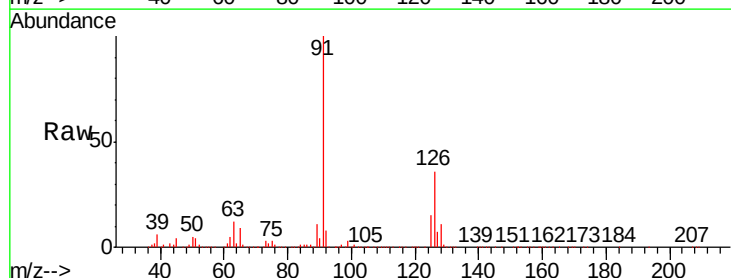
Acq: 24 Sep 2019 10:57

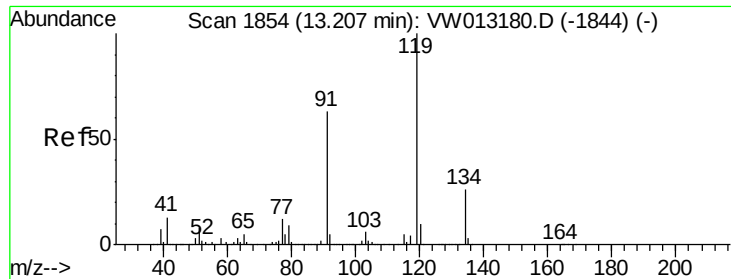
Tgt Ion: 91 Resp: 615806

Ion Ratio Lower Upper

91 100

126 35.2 17.3 51.7

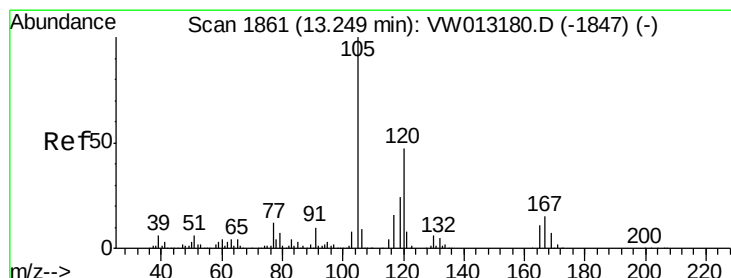
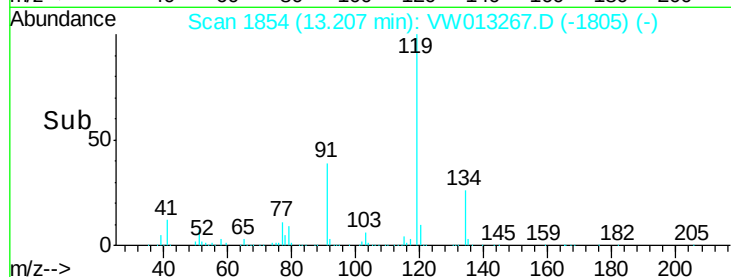
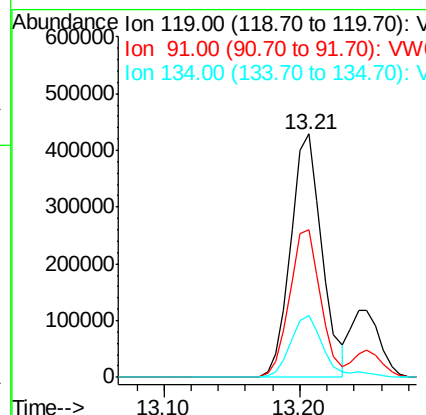
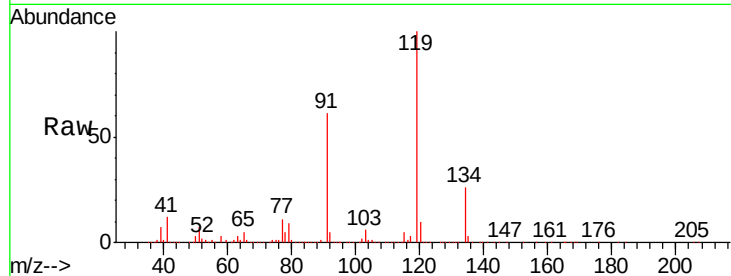




#83
 tert-Butylbenzene
 Concen: 52.265 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW013267.D
 Acq: 24 Sep 2019 10:57

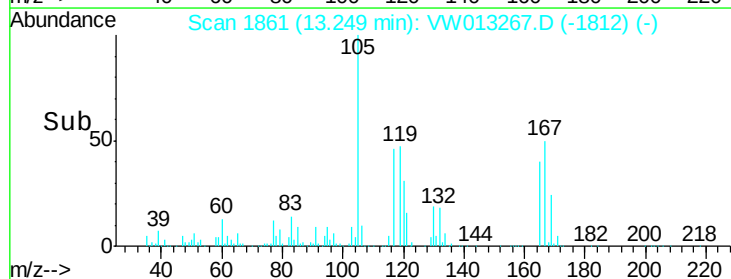
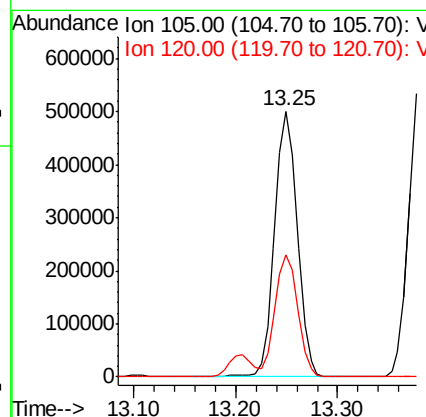
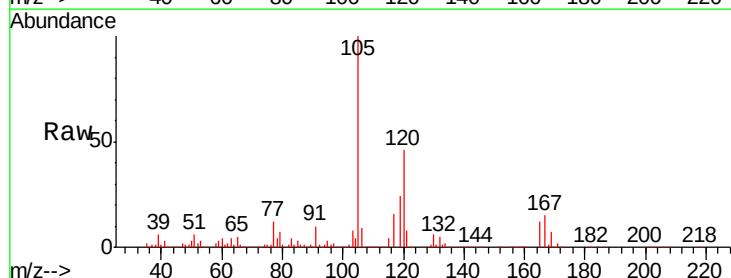
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

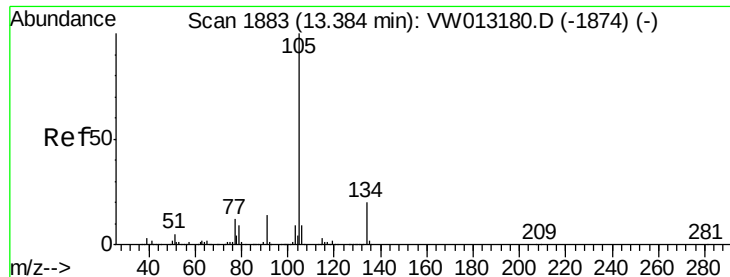
Tgt Ion:119 Resp: 684630
 Ion Ratio Lower Upper
 119 100
 91 60.4 30.7 92.1
 134 27.1 12.6 37.6



#84
 1,2,4-Trimethylbenzene
 Concen: 51.868 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW013267.D
 Acq: 24 Sep 2019 10:57

Tgt Ion:105 Resp: 770286
 Ion Ratio Lower Upper
 105 100
 120 45.5 23.4 70.3





#85

sec-Butylbenzene

Concen: 51.317 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW013267.D

Acq: 24 Sep 2019 10:57

Instrument :

MSVOA_W

ClientSampleId :

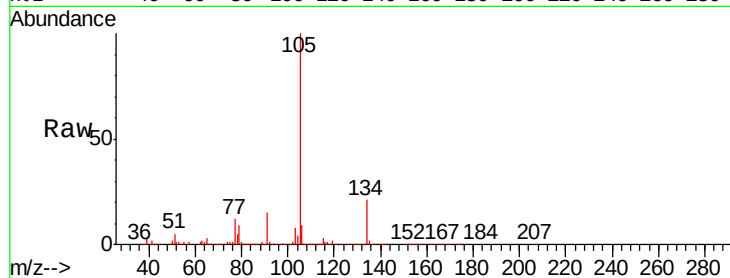
VSTDCCC050

Tgt Ion:105 Resp: 926773

Ion Ratio Lower Upper

105 100

134 21.1 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.38

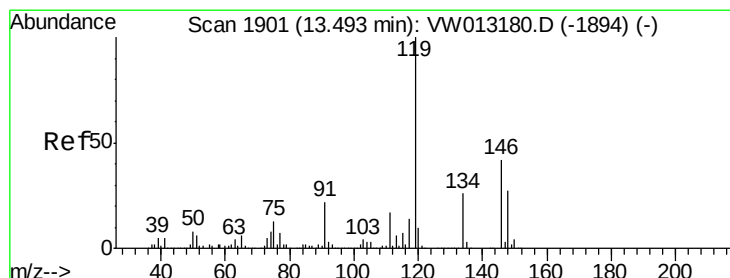
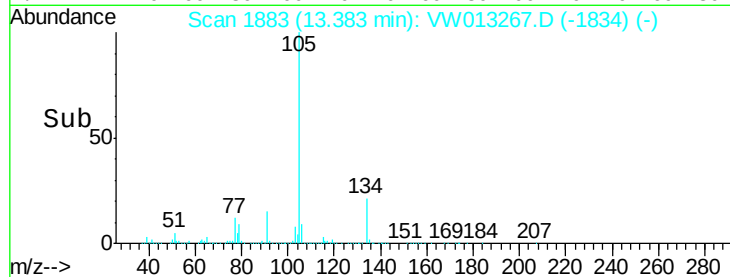
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 51.684 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. -0.00 min

Lab File: VW013267.D

Acq: 24 Sep 2019 10:57

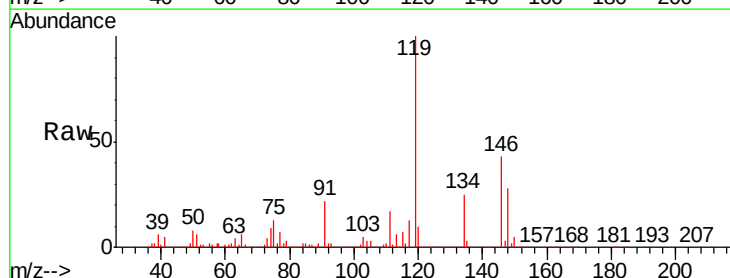
Tgt Ion:119 Resp: 865738

Ion Ratio Lower Upper

119 100

134 26.1 13.3 39.8

91 21.7 10.8 32.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.49

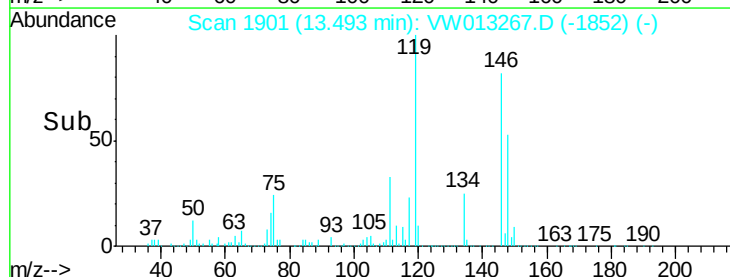
600000

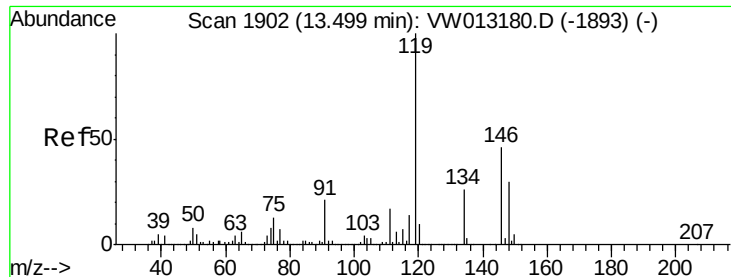
400000

200000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 50.830 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

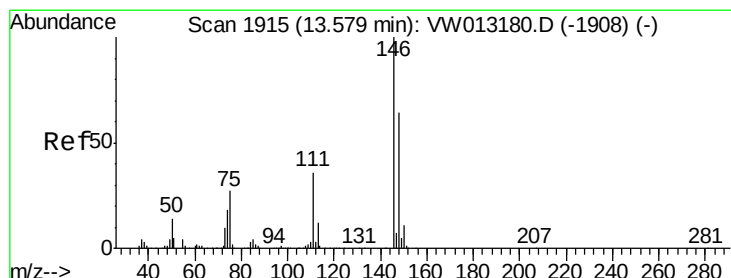
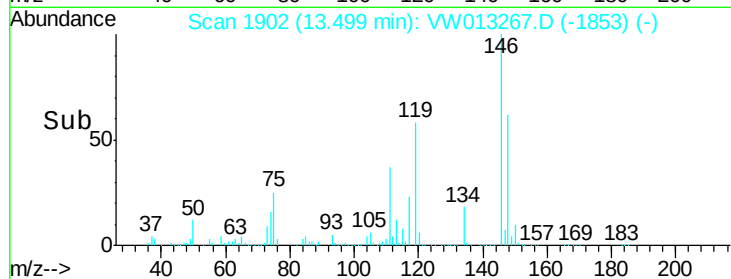
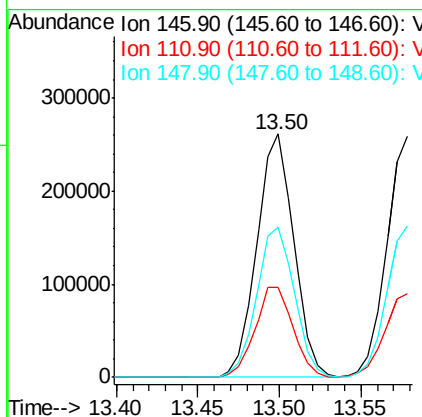
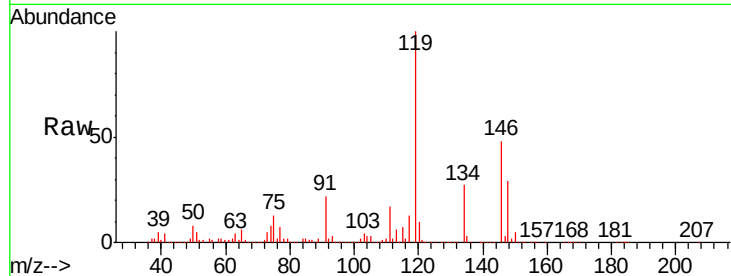
Lab File: VW013267.D

Acq: 24 Sep 2019 10:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 411581

Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.9	56.9
148	63.4	31.9	95.5



#88

1,4-Dichlorobenzene

Concen: 51.363 ug/l

RT: 13.58 min Scan# 1915

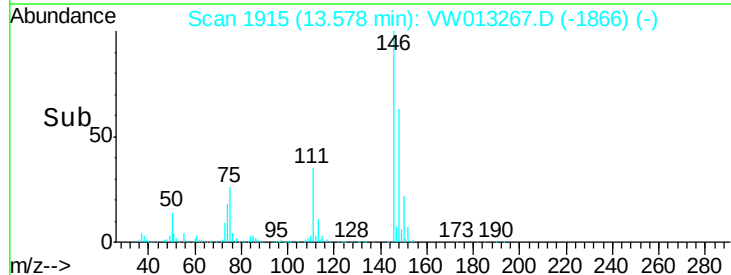
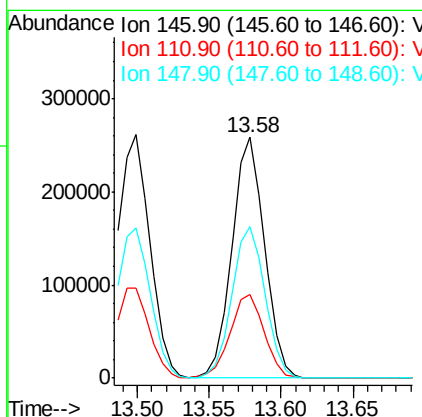
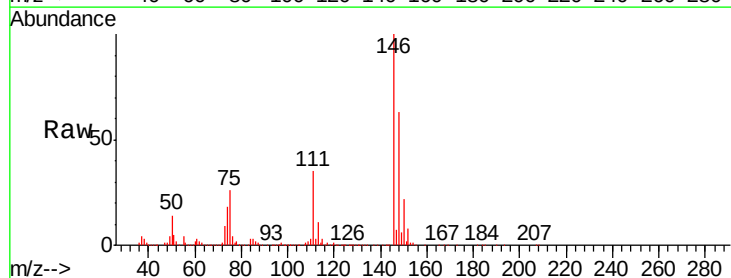
Delta R.T. -0.00 min

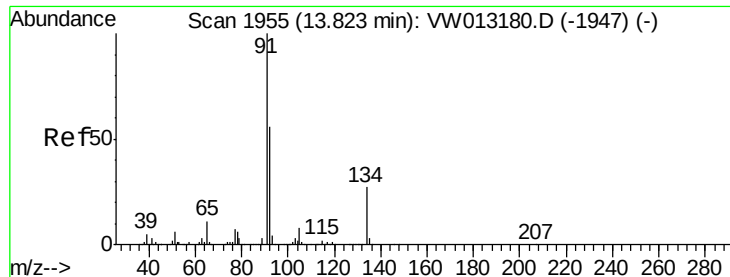
Lab File: VW013267.D

Acq: 24 Sep 2019 10:57

Tgt Ion:146 Resp: 407888

Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.4	55.0
148	63.9	32.1	96.3





#89

n-Butylbenzene

Concen: 52.899 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW013267.D

Acq: 24 Sep 2019 10:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

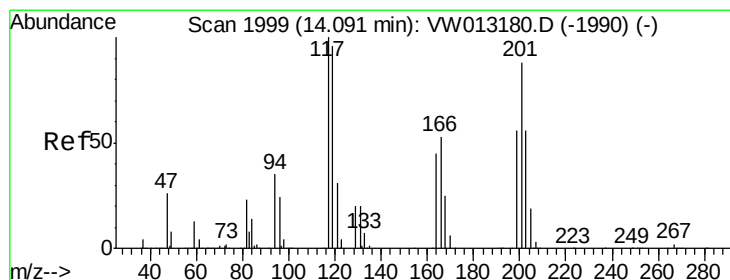
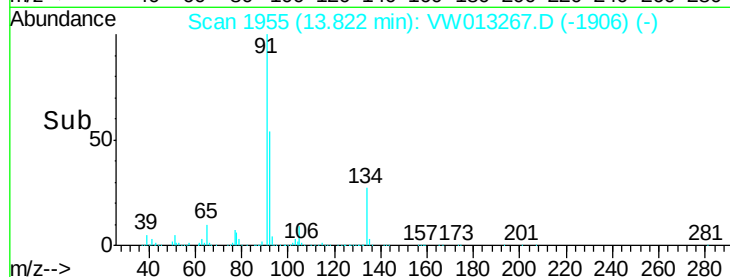
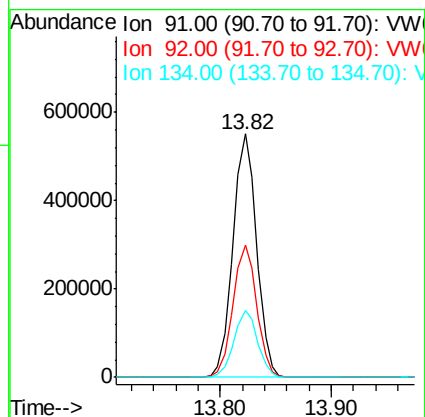
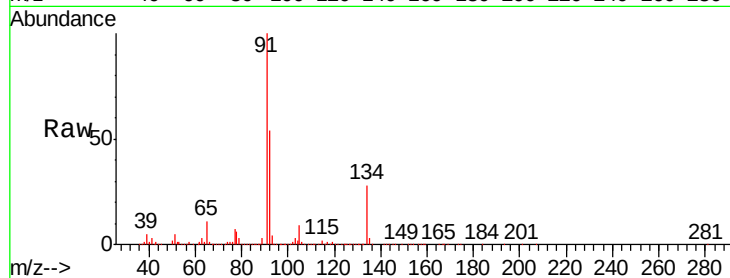
Tgt Ion: 91 Resp: 809088

Ion Ratio Lower Upper

91 100

92 54.6 27.6 82.8

134 27.5 13.7 41.1



#90

Hexachloroethane

Concen: 51.912 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW013267.D

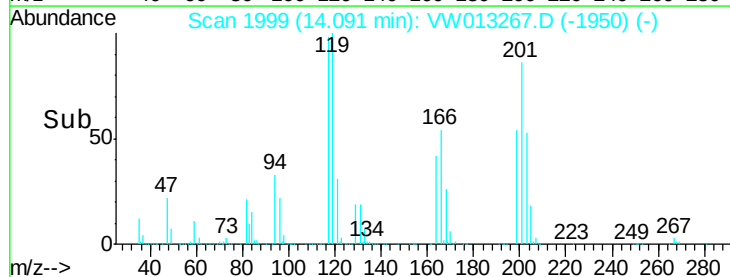
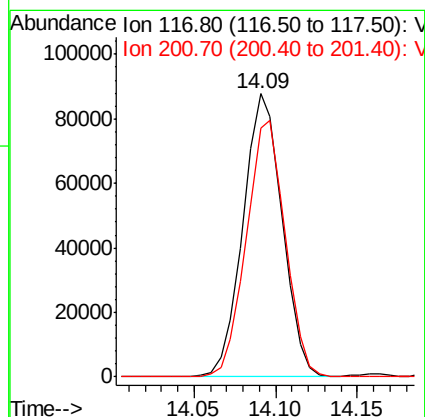
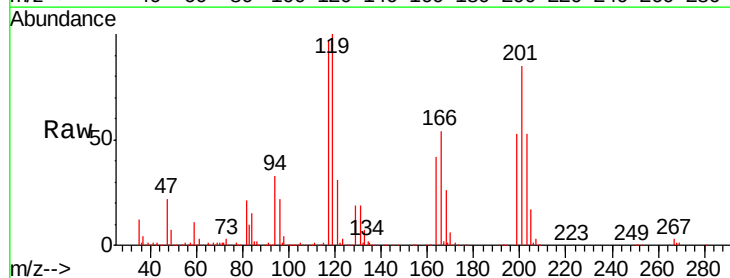
Acq: 24 Sep 2019 10:57

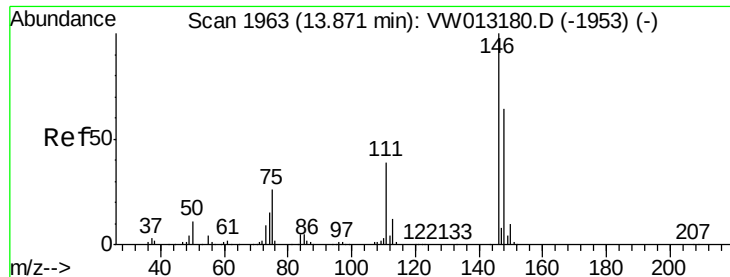
Tgt Ion: 117 Resp: 146077

Ion Ratio Lower Upper

117 100

201 90.3 44.5 133.5

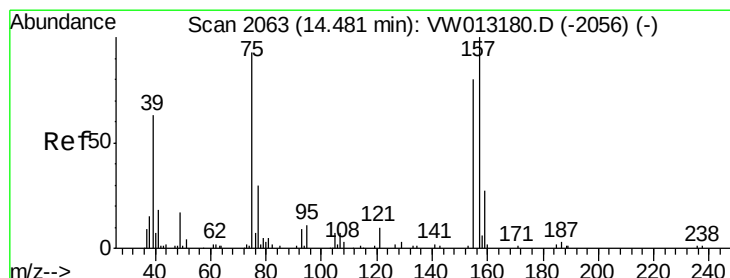
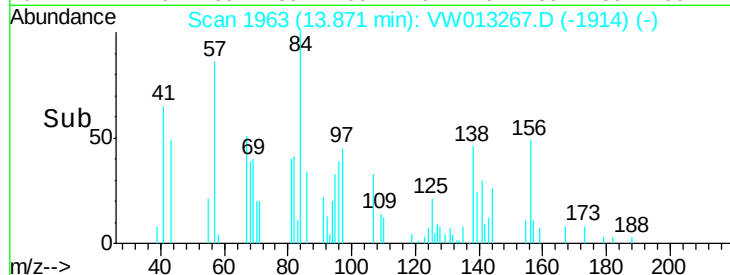
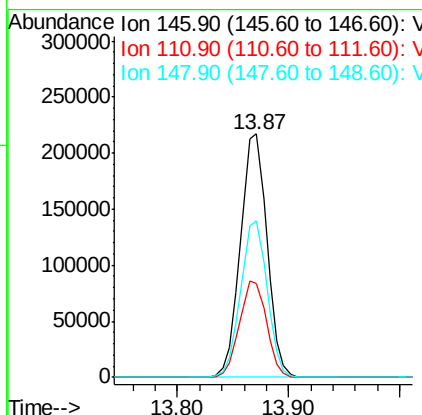
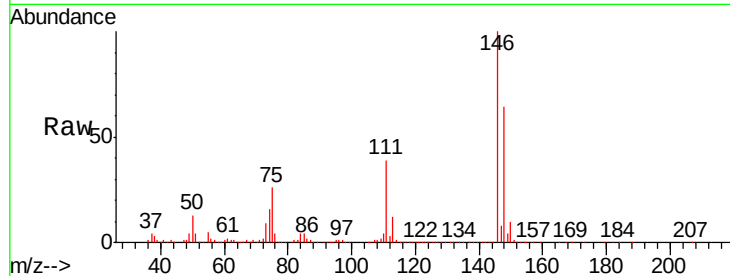




#91
 1,2-Dichlorobenzene
 Concen: 51.387 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013267.D
 Acq: 24 Sep 2019 10:57

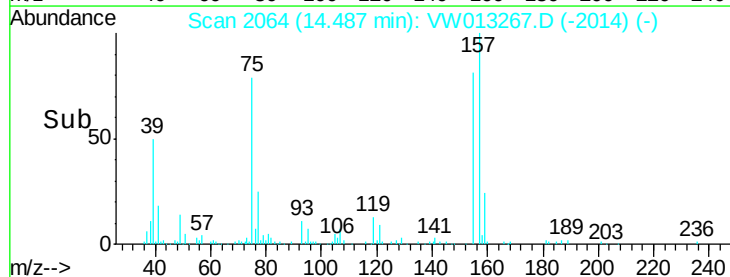
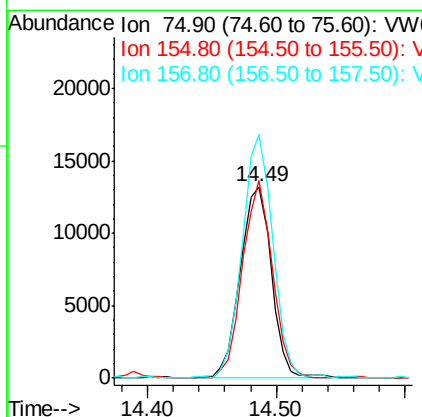
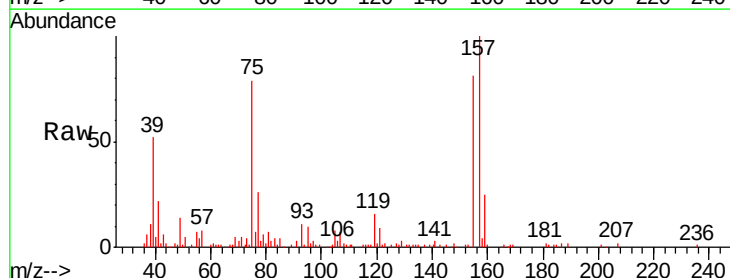
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

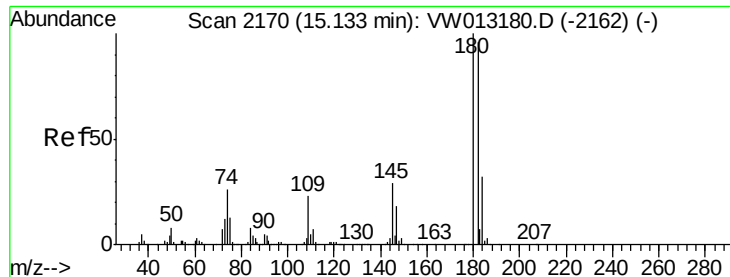
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.1	60.3
148	64.0	32.0	96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.912 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW013267.D
 Acq: 24 Sep 2019 10:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.8	46.1	138.3
157	125.0	60.4	181.2

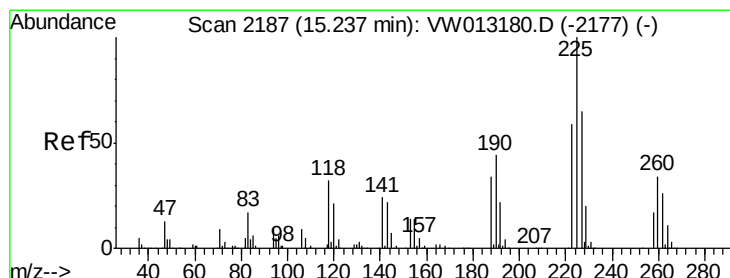
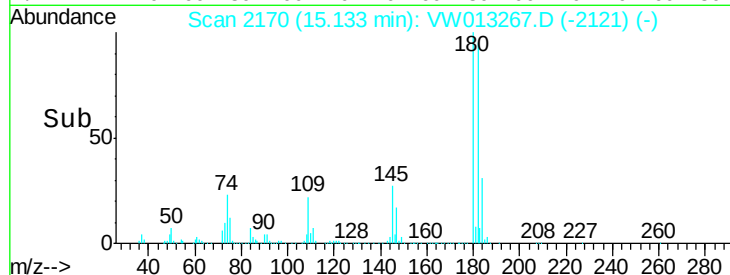
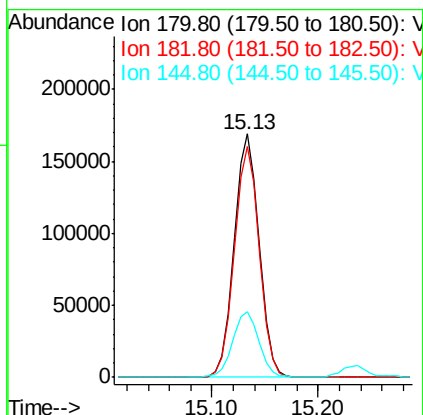
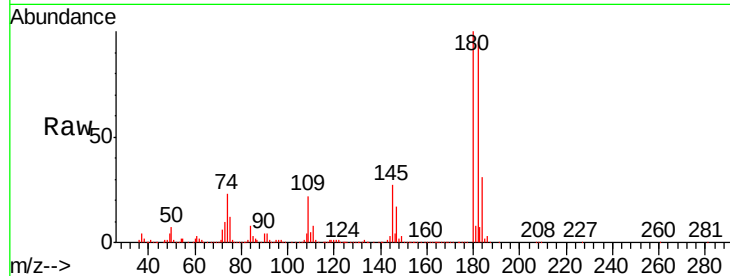




#93
 1,2,4-Trichlorobenzene
 Concen: 55.314 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013267.D
 Acq: 24 Sep 2019 10:57

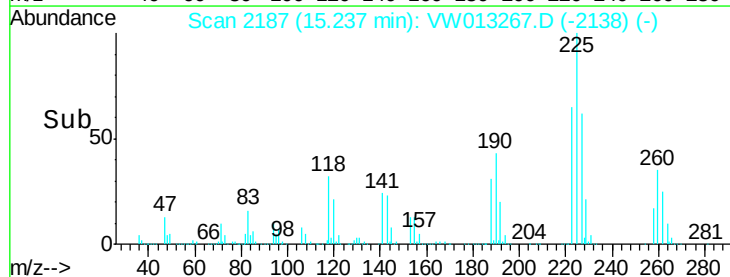
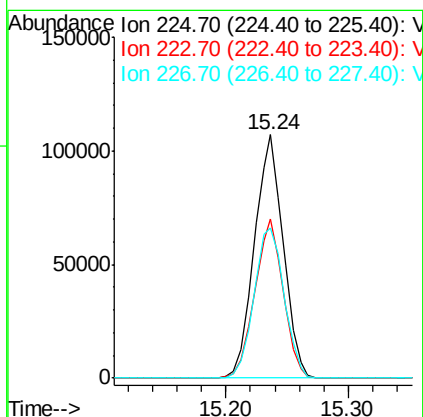
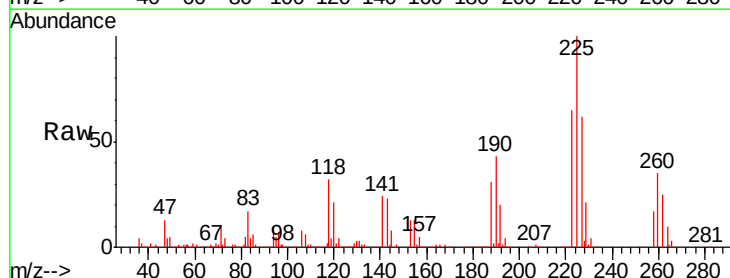
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

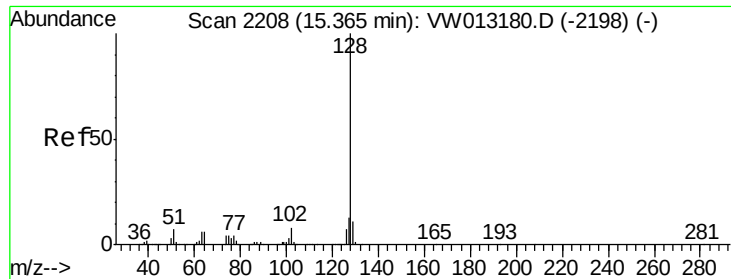
Tgt Ion:180 Resp: 277658
 Ion Ratio Lower Upper
 180 100
 182 94.8 47.3 142.0
 145 28.5 14.2 42.8



#94
 Hexachlorobutadiene
 Concen: 51.030 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW013267.D
 Acq: 24 Sep 2019 10:57

Tgt Ion:225 Resp: 175247
 Ion Ratio Lower Upper
 225 100
 223 64.3 30.6 91.8
 227 64.8 31.9 95.9

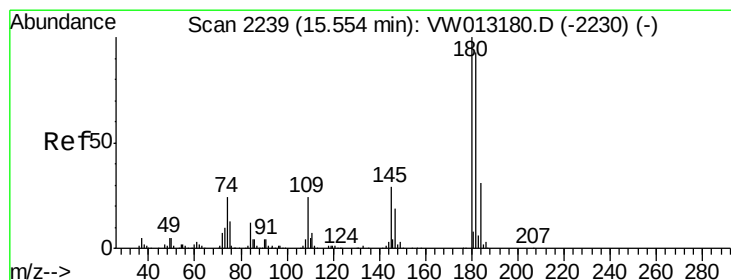
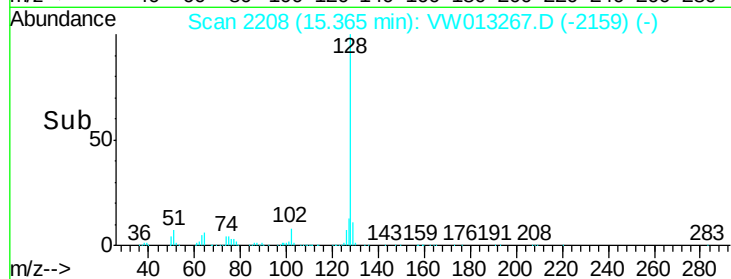
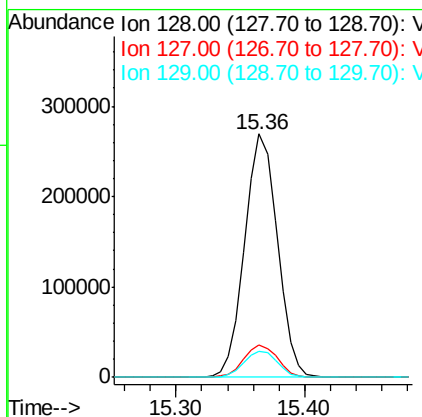
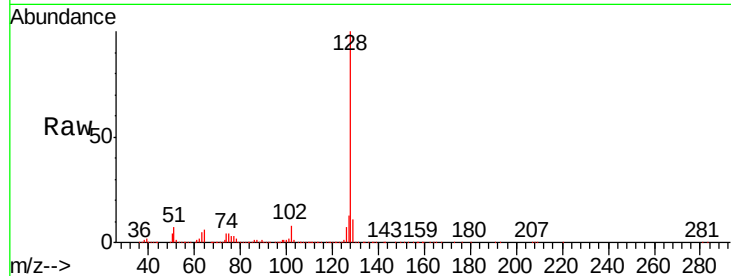




#95
Naphthalene
Concen: 57.629 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013267.D
Acq: 24 Sep 2019 10:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 473124
Ion Ratio Lower Upper
128 100
127 13.7 10.6 15.8
129 11.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 54.793 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013267.D
Acq: 24 Sep 2019 10:57

Tgt Ion:180 Resp: 237656
Ion Ratio Lower Upper
180 100
182 95.1 47.9 143.7
145 30.8 15.0 45.0

