

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090419\
 Data File : VW012609.D
 Acq On : 05 Sep 2019 00:06
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 05 07:02:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	214834	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	346563	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	311329	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	152756	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	137515	53.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.70%	
35) Dibromofluoromethane	7.88	113	108387	52.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.80%	
50) Toluene-d8	10.32	98	407154	48.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.08%	
62) 4-Bromofluorobenzene	12.62	95	150673	50.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	58867	44.501	ug/l	100
3) Chloromethane	2.21	50	88291	43.081	ug/l	100
4) Vinyl Chloride	2.36	62	100857	40.208	ug/l	99
5) Bromomethane	2.77	94	61000	48.018	ug/l	97
6) Chloroethane	2.92	64	62724	44.327	ug/l	100
7) Trichlorofluoromethane	3.25	101	59926	47.578	ug/l	99
8) Diethyl Ether	3.68	74	63869	53.422	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	105334	49.199	ug/l	98
10) Methyl Iodide	4.27	142	153492	52.987	ug/l	98
11) Tert butyl alcohol	5.18	59	46237	300.847	ug/l	100
12) 1,1-Dichloroethene	4.04	96	104680	48.578	ug/l	100
13) Acrolein	3.89	56	41774	288.752	ug/l	96
14) Allyl chloride	4.67	41	228414	49.582	ug/l	98
15) Acrylonitrile	5.37	53	167771	283.117	ug/l	99
16) Acetone	4.12	43	152501	233.604	ug/l	96
17) Carbon Disulfide	4.38	76	290178	44.557	ug/l	98
18) Methyl Acetate	4.67	43	91292	56.461	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	208656	59.876	ug/l	100
20) Methylene Chloride	4.91	84	127173	51.531	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	116109	50.246	ug/l	94
22) Diisopropyl ether	6.31	45	466146	54.589	ug/l	99
23) Vinyl Acetate	6.25	43	1467934	279.332	ug/l	99
24) 1,1-Dichloroethane	6.21	63	249105	53.577	ug/l	100
25) 2-Butanone	7.17	43	229868	259.122	ug/l	96
26) 2,2-Dichloropropane	7.16	77	132830	50.474	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	133983	54.269	ug/l	100
28) Bromochloromethane	7.51	49	111051	54.801	ug/l	94
29) Tetrahydrofuran	7.52	42	149545	280.981	ug/l	97
30) Chloroform	7.67	83	238453	56.057	ug/l	97
31) Cyclohexane	7.95	56	195113	42.416	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	186664	55.471	ug/l	99
36) 1,1-Dichloropropene	8.08	75	177436	49.545	ug/l	100
37) Ethyl Acetate	7.25	43	106105	54.066	ug/l	99
38) Carbon Tetrachloride	8.07	117	165558	53.411	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	187578	46.622	ug/l	99
40) Benzene	8.32	78	502843	51.420	ug/l	100
41) Methacrylonitrile	7.48	41	66124	57.328	ug/l	99
42) 1,2-Dichloroethane	8.40	62	180052	58.747	ug/l	99
43) Isopropyl Acetate	8.42	43	202842	55.799	ug/l	99
44) Trichloroethene	9.09	130	125121	52.633	ug/l	96
45) 1,2-Dichloropropane	9.37	63	139879	53.149	ug/l	98
46) Dibromomethane	9.46	93	65734	56.136	ug/l	98
47) Bromodichloromethane	9.64	83	180165	57.810	ug/l	99
48) Methyl methacrylate	9.43	41	97262	56.215	ug/l	95
49) 1,4-Dioxane	9.45	88	20927	1167.382	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	527111	285.083	ug/l	100
52) Toluene	10.39	92	310153	52.794	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	180669	56.912	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	209496	54.655	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	94501	57.039	ug/l	96
56) Ethyl methacrylate	10.65	69	138518	57.445	ug/l	99
57) 1,3-Dichloropropane	10.93	76	175330	56.000	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	346427	279.932	ug/l	99
59) 2-Hexanone	10.97	43	353996	270.584	ug/l	99
60) Dibromochloromethane	11.13	129	110824	60.055	ug/l	100
61) 1,2-Dibromoethane	11.23	107	89234	57.812	ug/l	97
64) Tetrachloroethene	10.86	164	105565	52.300	ug/l	99
65) Chlorobenzene	11.66	112	320002	52.200	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	121123	56.636	ug/l	98
67) Ethyl Benzene	11.73	91	610280	51.679	ug/l	99
68) m/p-Xylenes	11.83	106	436556	102.628	ug/l	99
69) o-Xylene	12.16	106	207192	52.627	ug/l	98
70) Styrene	12.18	104	370917	54.430	ug/l	99
71) Bromoform	12.35	173	63011	59.136	ug/l #	97
73) Isopropylbenzene	12.46	105	583279	50.958	ug/l	99
74) N-amyl acetate	12.27	43	183282	52.999	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	111766	53.262	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	149173	100.269	ug/l #	100
77) Bromobenzene	12.74	156	132419	53.475	ug/l	97
78) n-propylbenzene	12.80	91	700887	50.158	ug/l	99
79) 2-Chlorotoluene	12.89	91	410329	51.722	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	499767	52.253	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	35762	52.704	ug/l	100
82) 4-Chlorotoluene	12.99	91	430189	51.787	ug/l	99
83) tert-Butylbenzene	13.21	119	427444	52.759	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	497324	51.763	ug/l	99
85) sec-Butylbenzene	13.38	105	587245	50.592	ug/l	100
86) p-Isopropyltoluene	13.50	119	531151	51.239	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	253541	52.347	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	249051	51.786	ug/l	100
89) n-Butylbenzene	13.82	91	508466	49.325	ug/l	99
90) Hexachloroethane	14.09	117	95369	52.438	ug/l	91
91) 1,2-Dichlorobenzene	13.87	146	231732	54.538	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	20137	56.922	ug/l	97

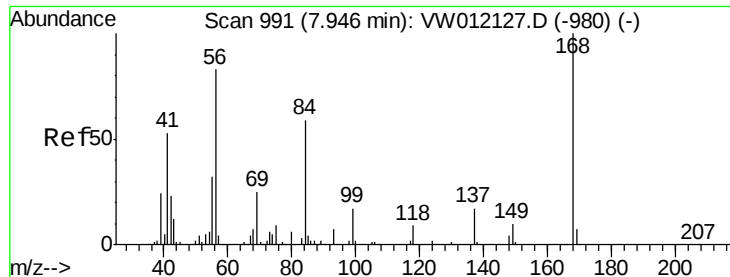
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QLast Update : Mon Aug 26 07:18:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	157521	53.646	ug/l	100
94) Hexachlorobutadiene	15.24	225	105552	54.441	ug/l	98
95) Naphthalene	15.36	128	302699	52.316	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	144307	56.329	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012609.D

Acq: 05 Sep 2019 00:06

Instrument :

MSVOA_W

ClientSampleId :

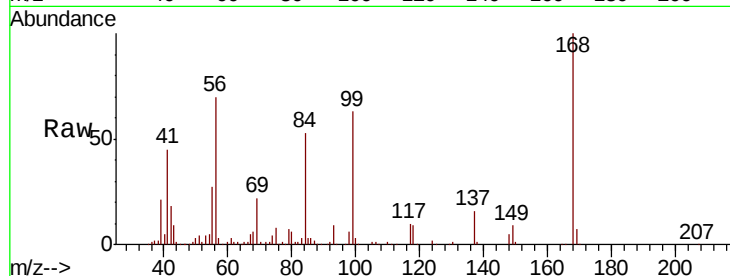
VSTDCCC050

Tgt Ion:168 Resp: 214834

Ion Ratio Lower Upper

168 100

99 62.8 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): VW012127.D (-980) (-)

Ion 98.90 (98.60 to 99.60): VW012127.D (-980) (-)

7.95

100000

80000

60000

40000

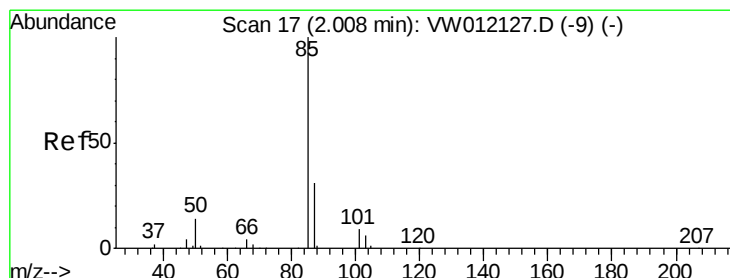
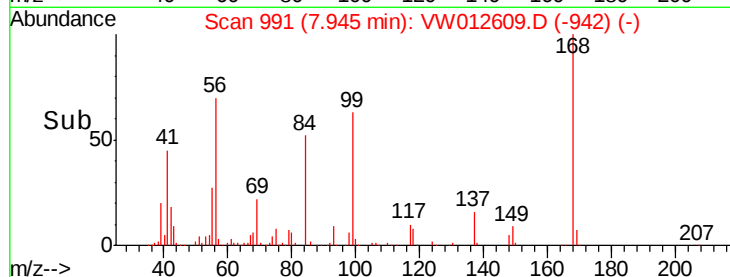
20000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 44.501 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012609.D

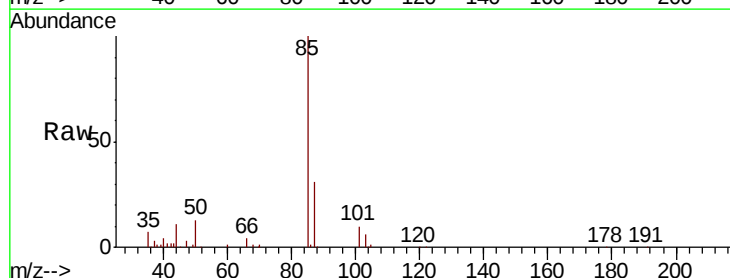
Acq: 05 Sep 2019 00:06

Tgt Ion: 85 Resp: 58867

Ion Ratio Lower Upper

85 100

87 31.0 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW012127.D (-9) (-)

Ion 86.90 (86.60 to 87.60): VW012127.D (-9) (-)

2.01

25000

20000

15000

10000

5000

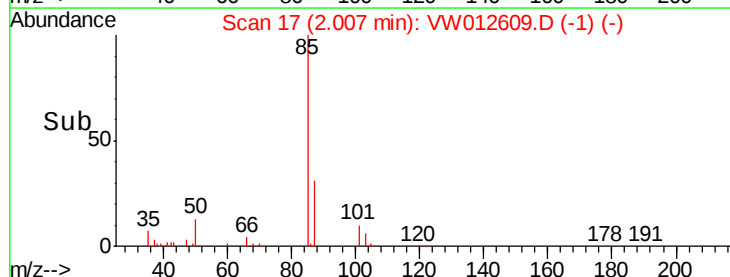
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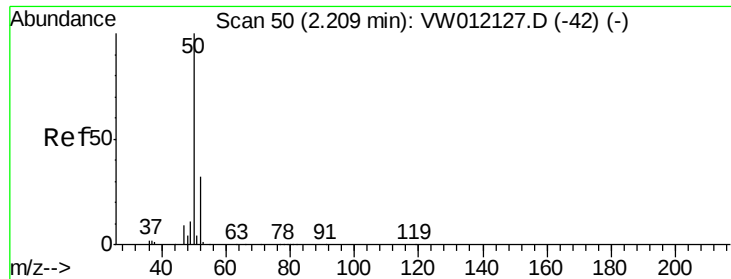
1.90

2.00

2.10

Time-->





#3

Chloromethane

Concen: 43.081 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW012609.D

Acq: 05 Sep 2019 00:06

Instrument :

MSVOA_W

ClientSampleId :

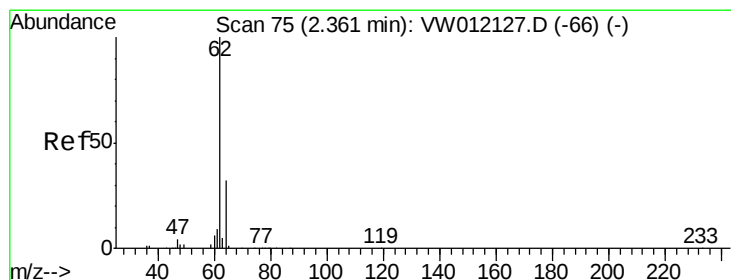
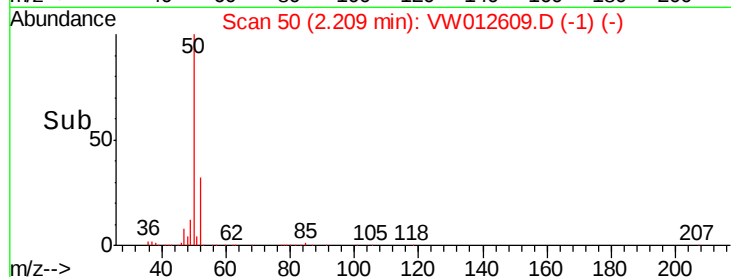
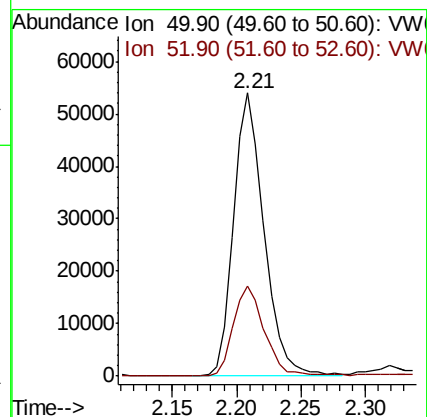
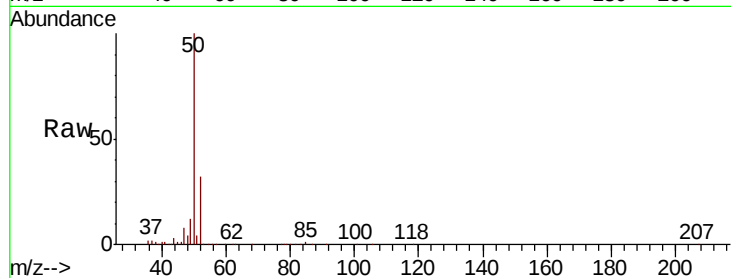
VSTDCCC050

Tgt Ion: 50 Resp: 88291

Ion Ratio Lower Upper

50 100

52 31.9 25.5 38.3



#4

Vinyl Chloride

Concen: 40.208 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012609.D

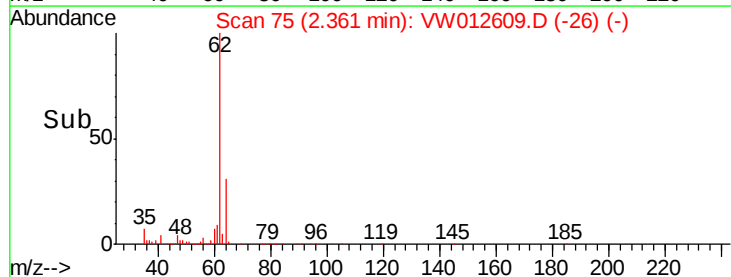
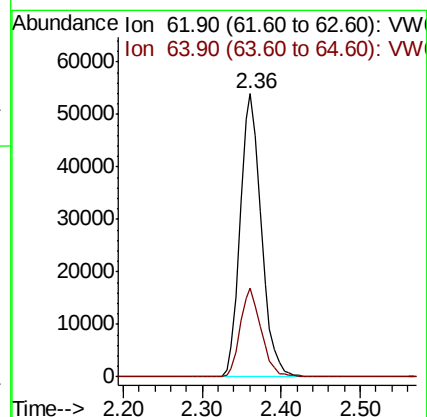
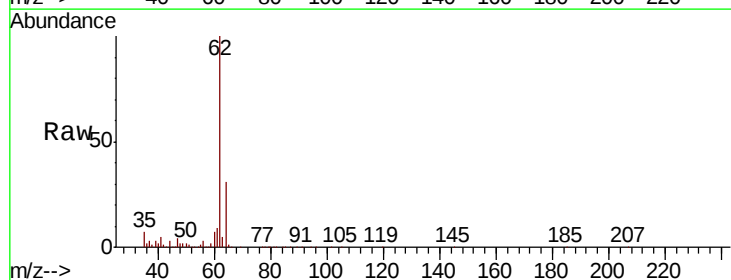
Acq: 05 Sep 2019 00:06

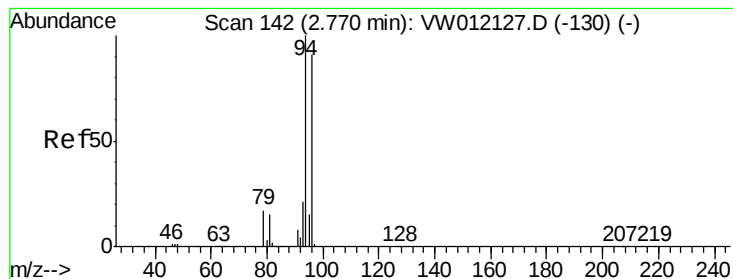
Tgt Ion: 62 Resp: 100857

Ion Ratio Lower Upper

62 100

64 31.3 25.3 37.9





#5

Bromomethane

Concen: 48.018 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW012609.D

Acq: 05 Sep 2019 00:06

Instrument :

MSVOA_W

ClientSampleId :

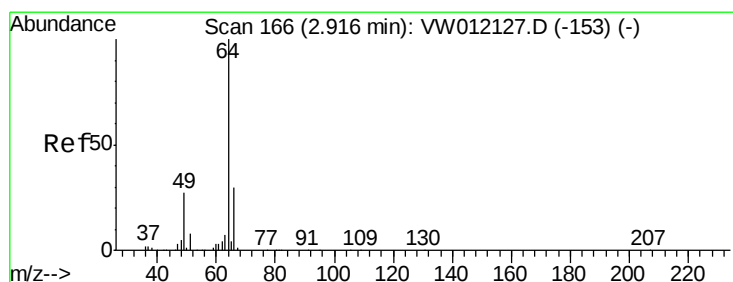
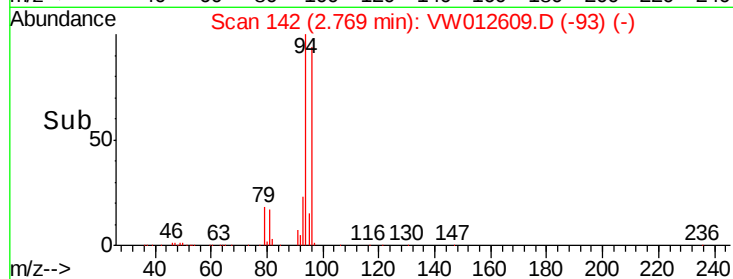
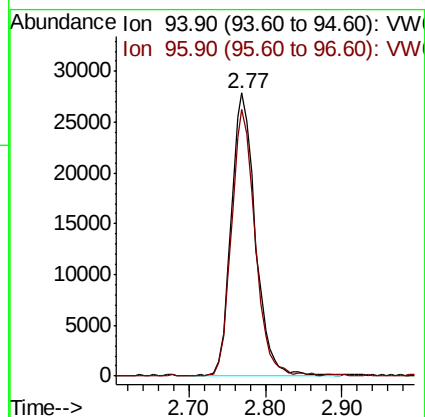
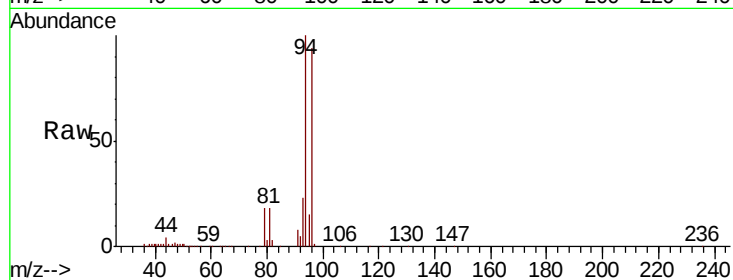
VSTDCCC050

Tgt Ion: 94 Resp: 61000

Ion Ratio Lower Upper

94 100

96 93.9 72.9 109.3



#6

Chloroethane

Concen: 44.327 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW012609.D

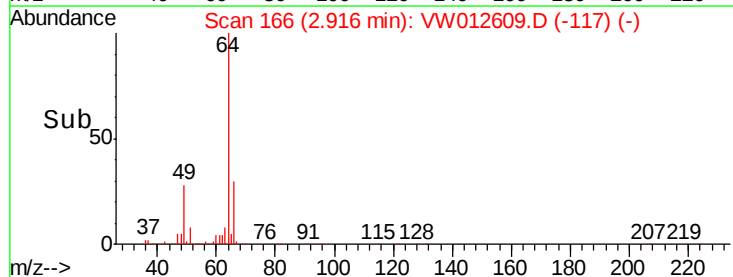
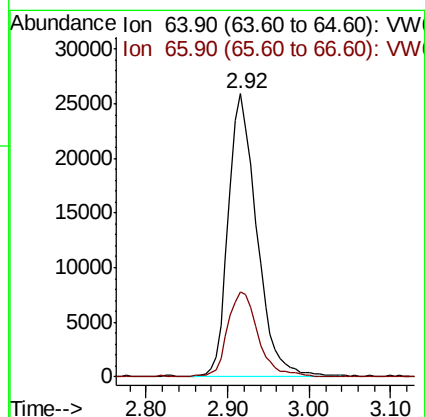
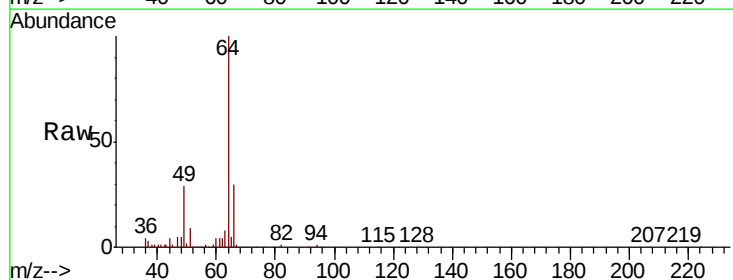
Acq: 05 Sep 2019 00:06

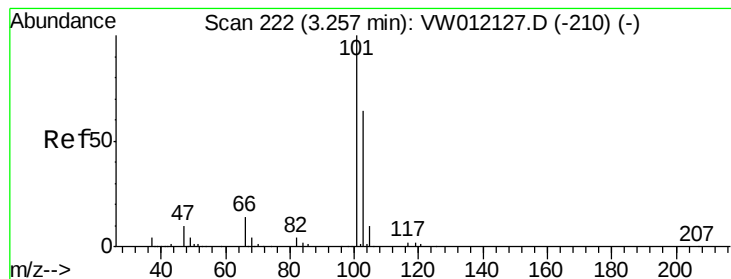
Tgt Ion: 64 Resp: 62724

Ion Ratio Lower Upper

64 100

66 30.0 23.8 35.8



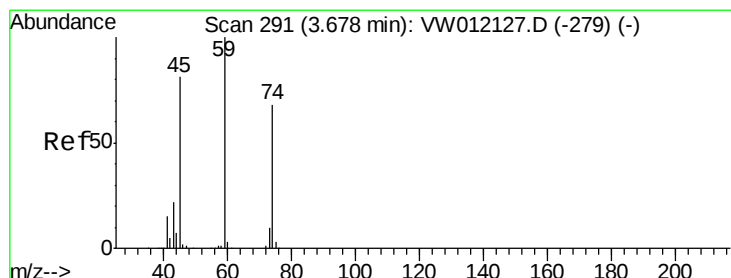
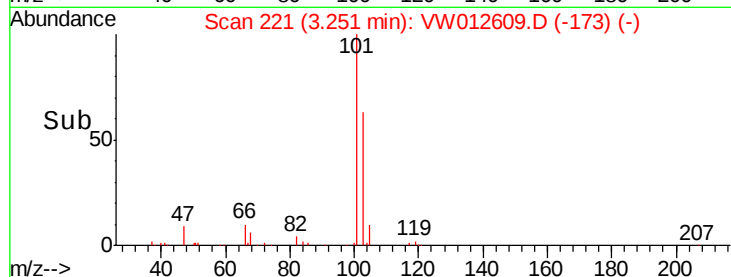
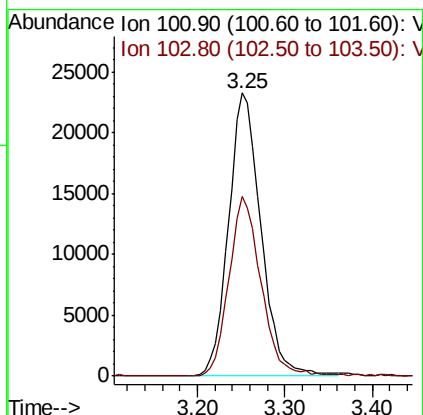
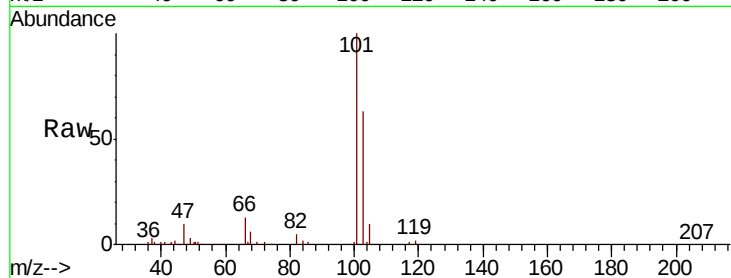


#7

Trichlorofluoromethane
Concen: 47.578 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW012609.D
Acq: 05 Sep 2019 00:06

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VSTDCCC050

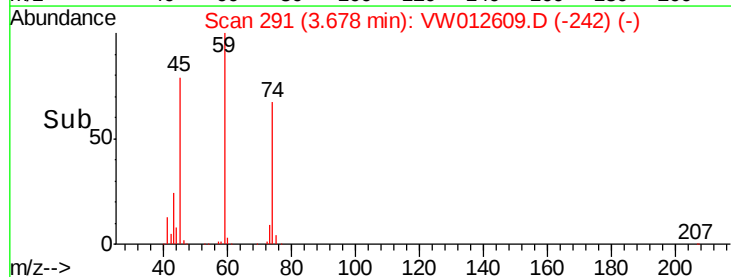
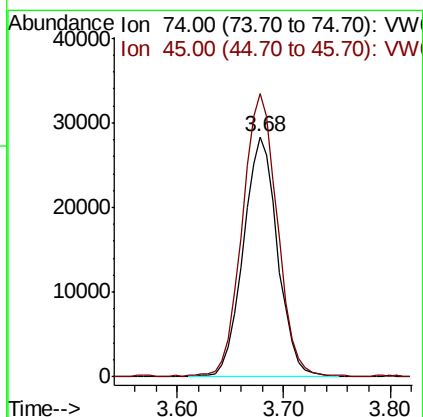
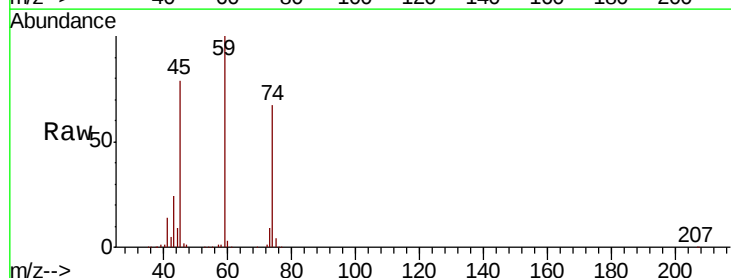
Tgt Ion:101 Resp: 59926
Ion Ratio Lower Upper
101 100
103 63.3 51.2 76.8

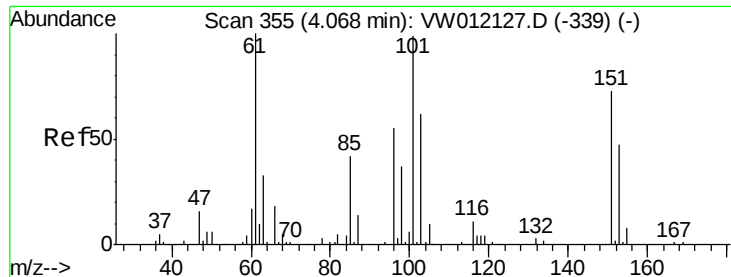


#8

Diethyl Ether
Concen: 53.422 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW012609.D
Acq: 05 Sep 2019 00:06

Tgt Ion: 74 Resp: 63869
Ion Ratio Lower Upper
74 100
45 121.0 59.2 177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.199 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW012609.D

Acq: 05 Sep 2019 00:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

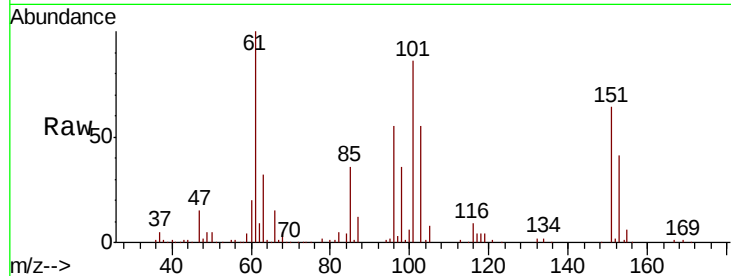
Tgt Ion:101 Resp: 105334

Ion Ratio Lower Upper

101 100

85 44.3 35.8 53.6

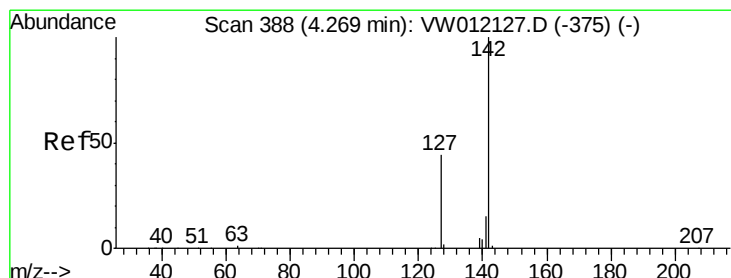
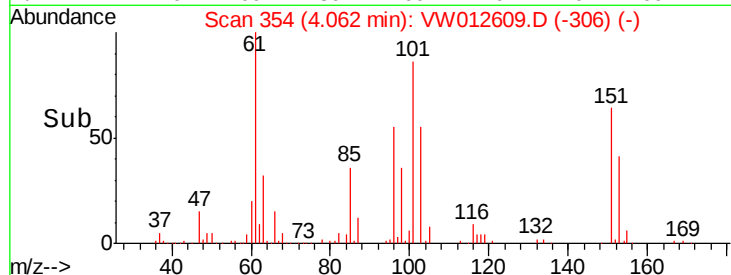
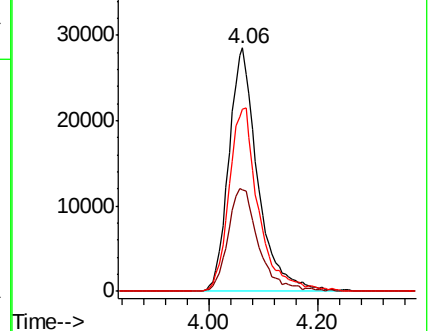
151 75.9 58.6 87.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 52.987 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW012609.D

Acq: 05 Sep 2019 00:06

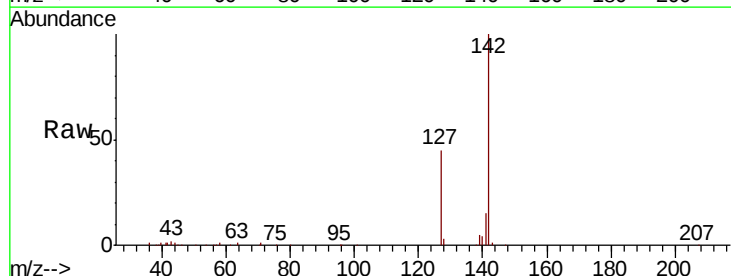
Tgt Ion:142 Resp: 153492

Ion Ratio Lower Upper

142 100

127 46.5 35.5 53.3

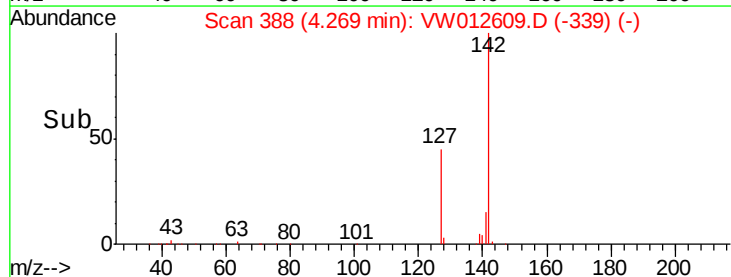
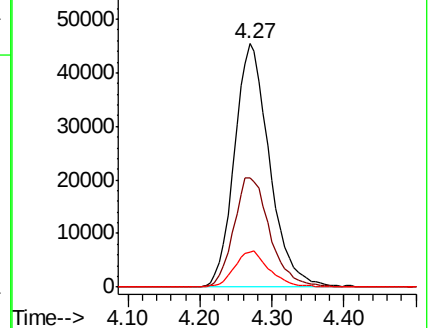
141 14.9 11.8 17.8

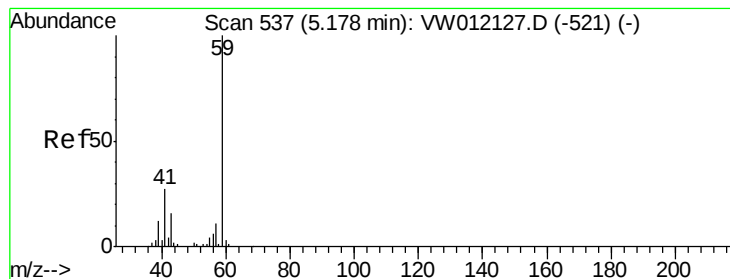


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



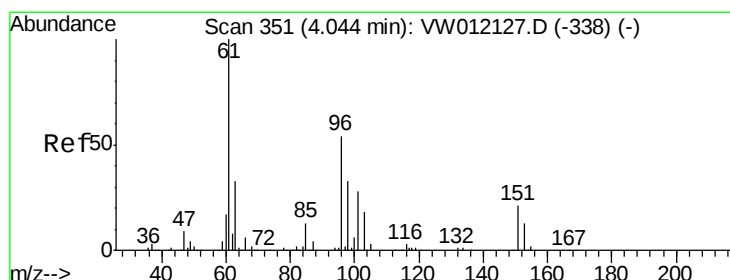
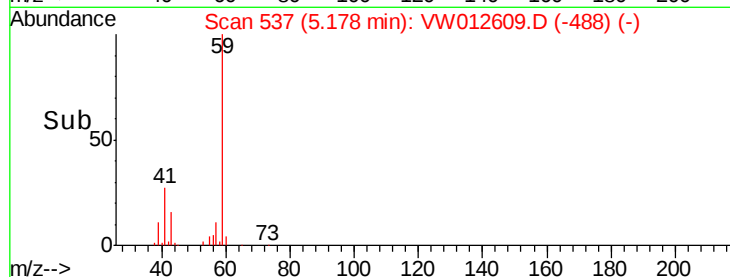
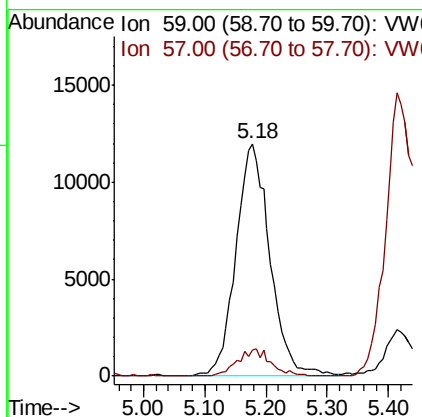
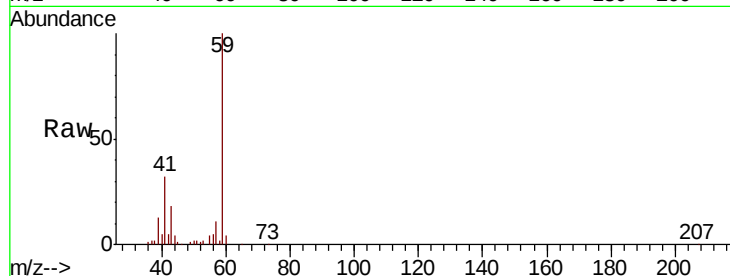


#11

Tert butyl alcohol
Concen: 300.847 ug/l
RT: 5.18 min Scan# 537
Delta R.T. -0.00 min
Lab File: VW012609.D
Acq: 05 Sep 2019 00:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

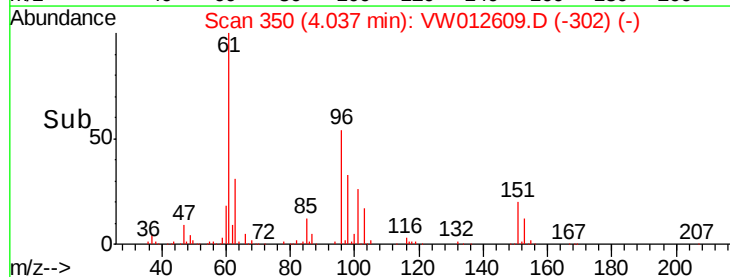
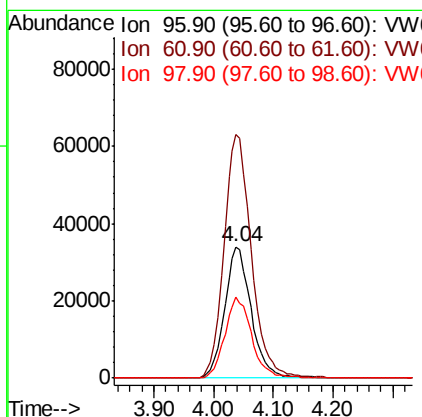
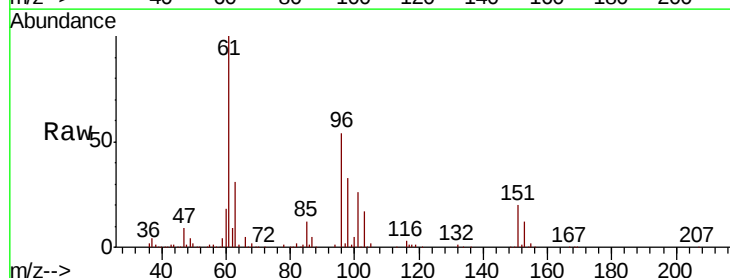
Tgt Ion: 59 Resp: 46237
Ion Ratio Lower Upper
59 100
57 11.2 9.0 13.4

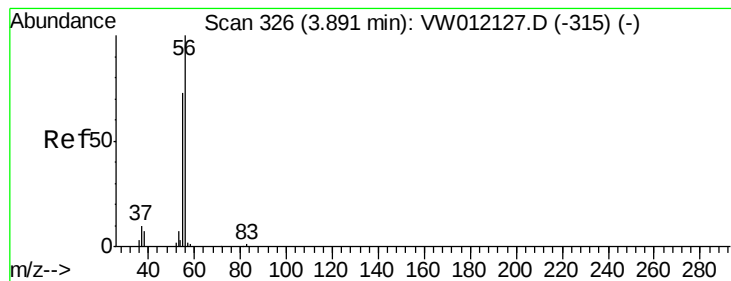


#12

1,1-Dichloroethene
Concen: 48.578 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW012609.D
Acq: 05 Sep 2019 00:06

Tgt Ion: 96 Resp: 104680
Ion Ratio Lower Upper
96 100
61 185.7 149.1 223.7
98 61.4 49.4 74.2





#13

Acrolein

Concen: 288.752 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW012609.D

Acq: 05 Sep 2019 00:06

Instrument :

MSVOA_W

ClientSampleId :

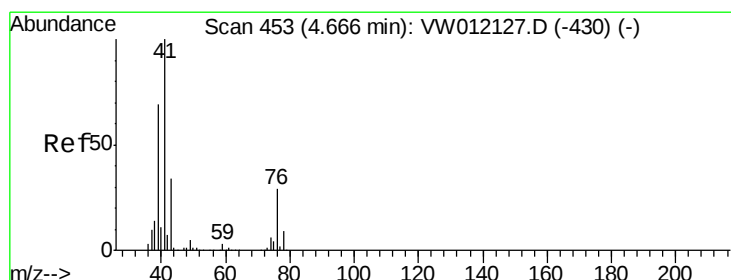
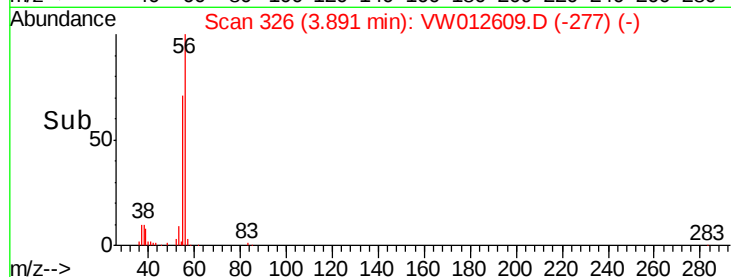
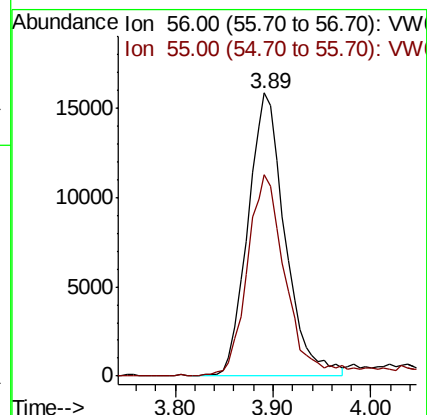
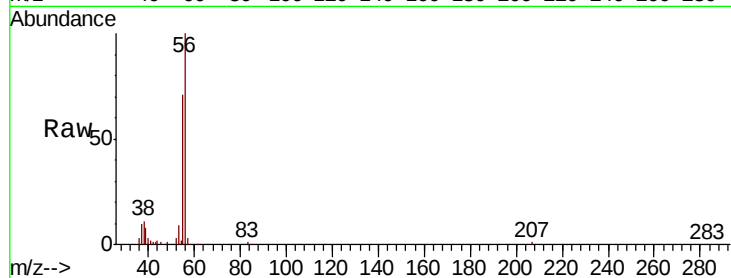
VSTDCCC050

Tgt Ion: 56 Resp: 41774

Ion Ratio Lower Upper

56 100

55 73.2 55.8 83.8



#14

Allyl chloride

Concen: 49.582 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012609.D

Acq: 05 Sep 2019 00:06

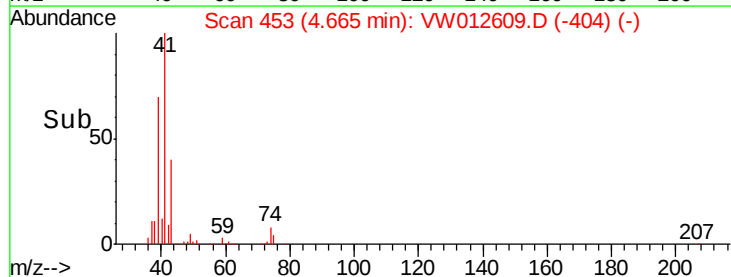
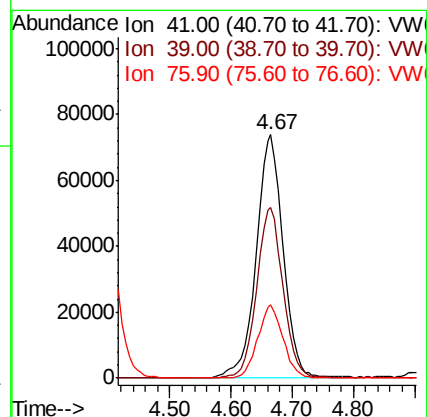
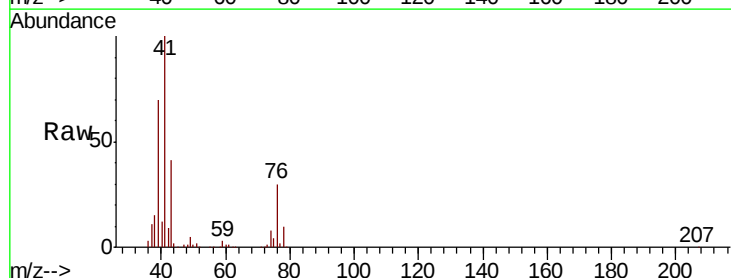
Tgt Ion: 41 Resp: 228414

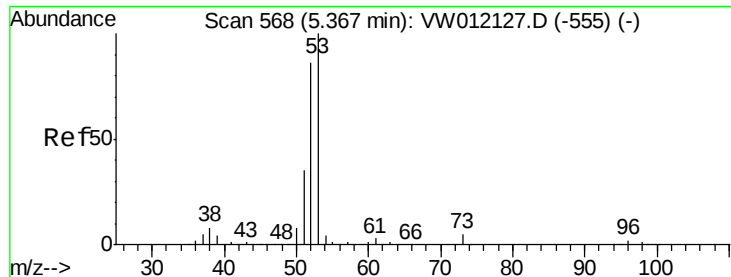
Ion Ratio Lower Upper

41 100

39 68.4 53.4 80.2

76 28.2 22.1 33.1





#15

Acrylonitrile

Concen: 283.117 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW012609.D

Acq: 05 Sep 2019 00:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

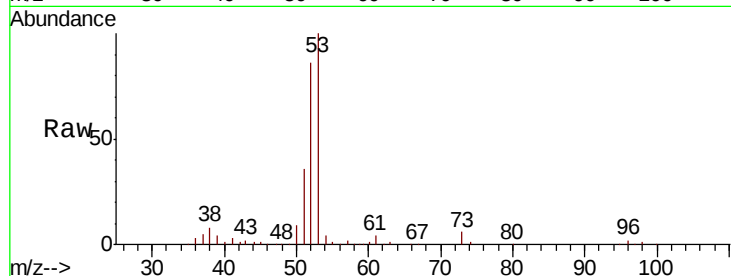
Tgt Ion: 53 Resp: 167771

Ion Ratio Lower Upper

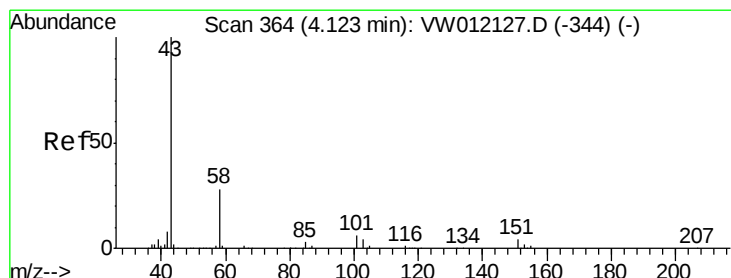
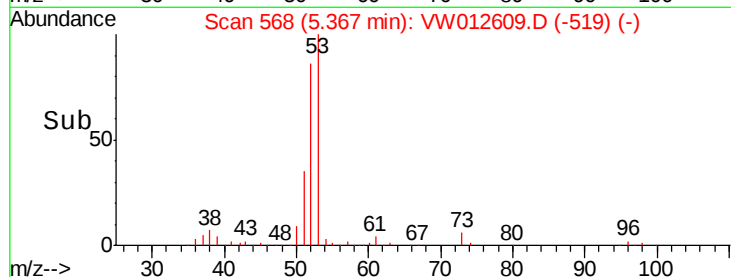
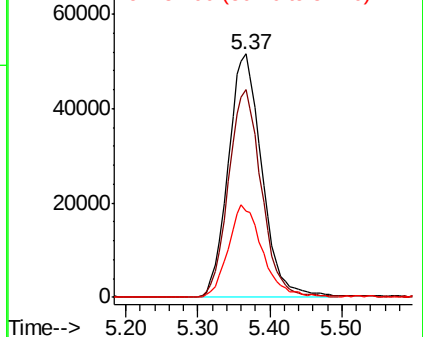
53 100

52 83.6 66.7 100.1

51 38.6 30.1 45.1



Abundance Ion 53.00 (52.70 to 53.70): VW
Ion 52.00 (51.70 to 52.70): VW
Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 233.604 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW012609.D

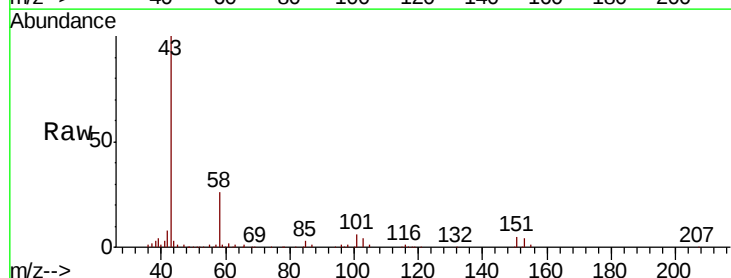
Acq: 05 Sep 2019 00:06

Tgt Ion: 43 Resp: 152501

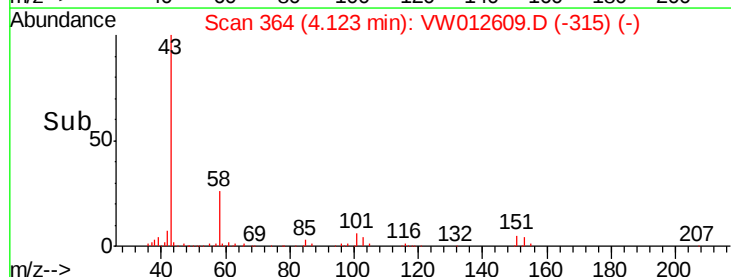
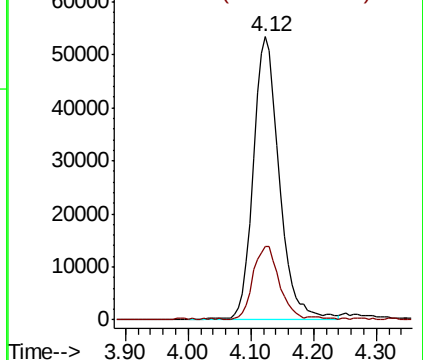
Ion Ratio Lower Upper

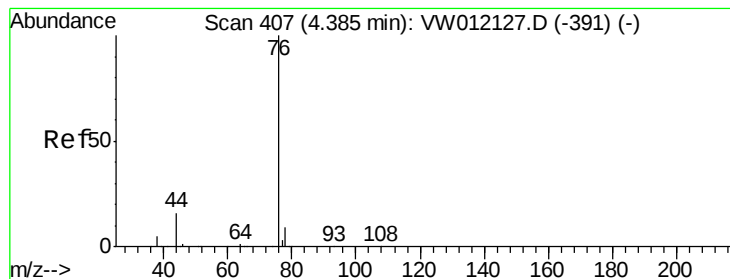
43 100

58 25.8 22.4 33.6



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





#17

Carbon Disulfide

Concen: 44.557 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW012609.D

Acq: 05 Sep 2019 00:06

Instrument :

MSVOA_W

ClientSampleId :

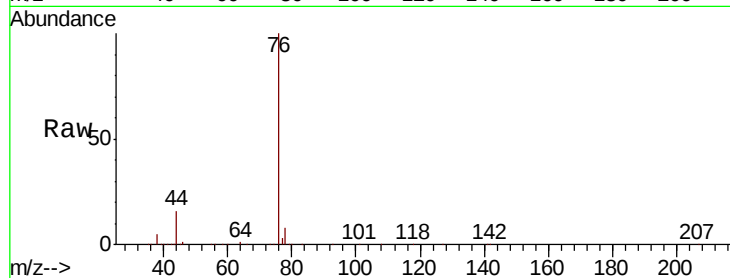
VSTDCCC050

Tgt Ion: 76 Resp: 290178

Ion Ratio Lower Upper

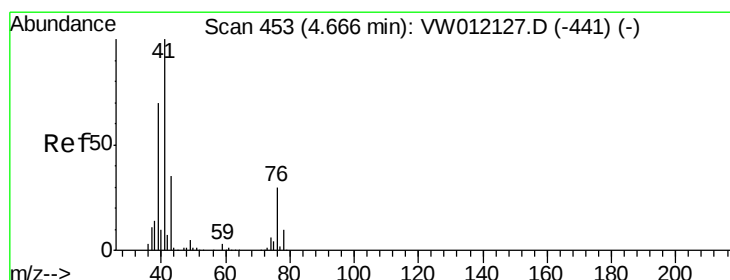
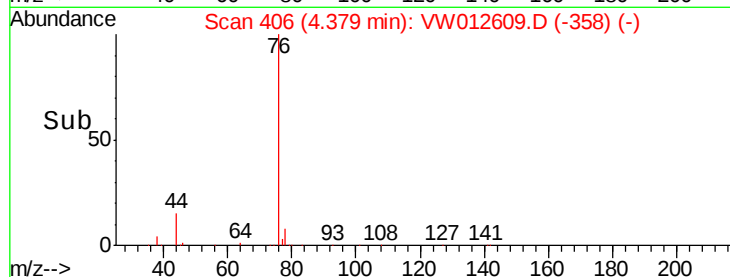
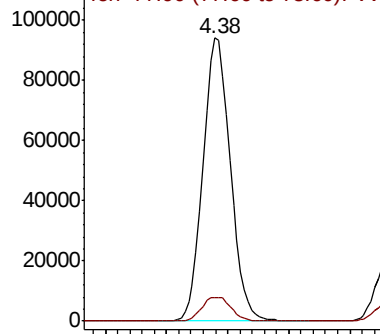
76 100

78 8.4 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 56.461 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW012609.D

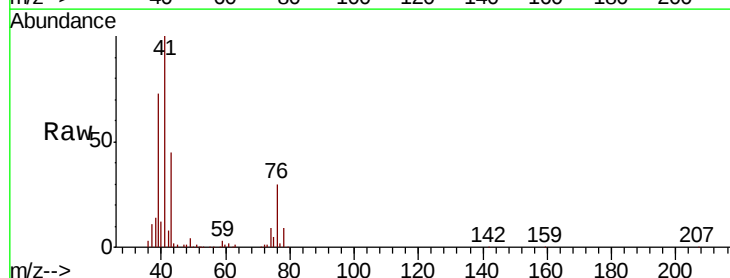
Acq: 05 Sep 2019 00:06

Tgt Ion: 43 Resp: 91292

Ion Ratio Lower Upper

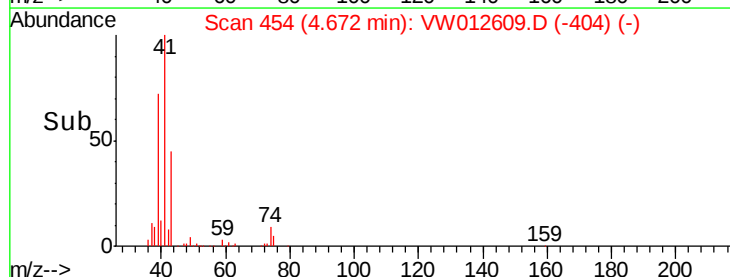
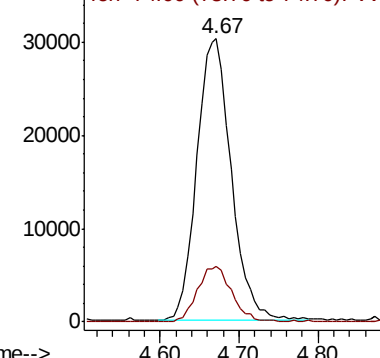
43 100

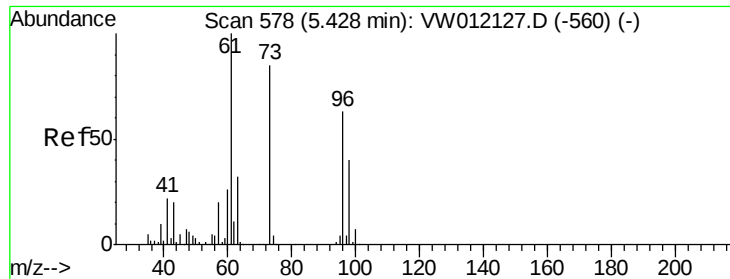
74 19.8 15.7 23.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

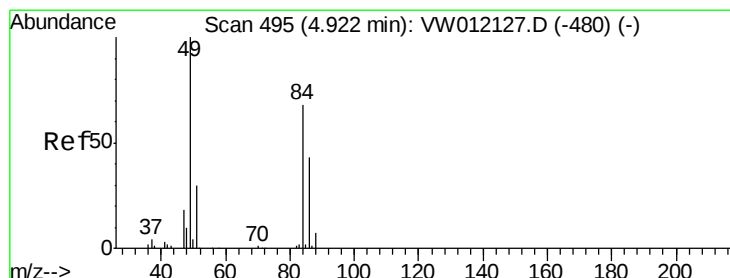
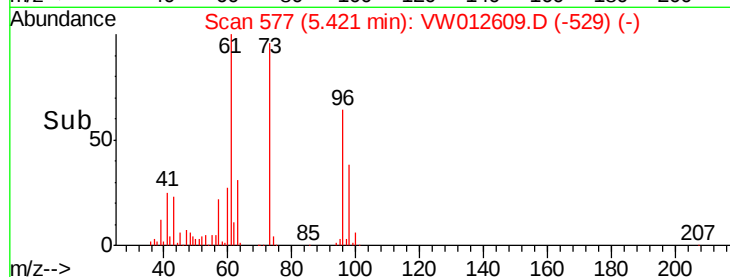
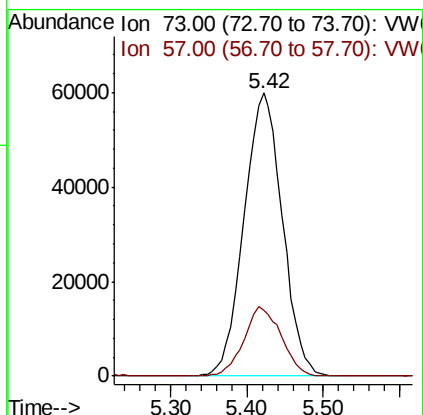
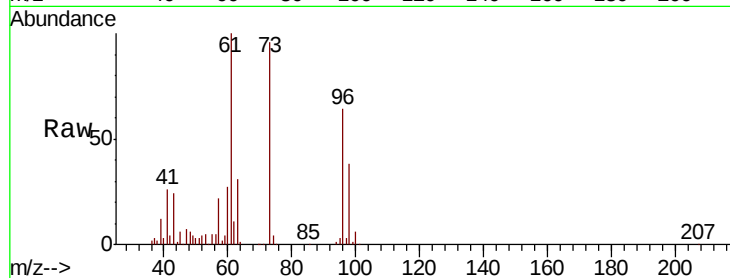




#19
Methyl tert-butyl Ether
Concen: 59.876 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW012609.D
Acq: 05 Sep 2019 00:06

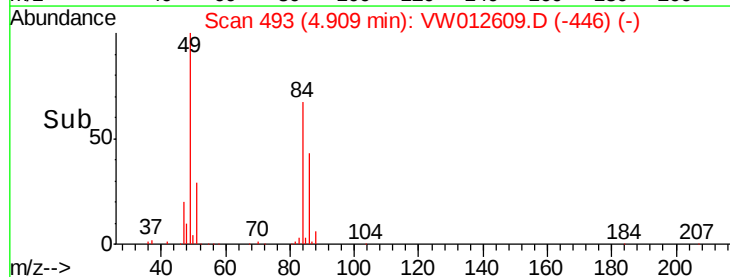
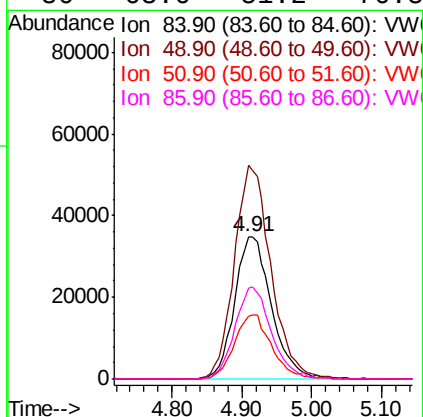
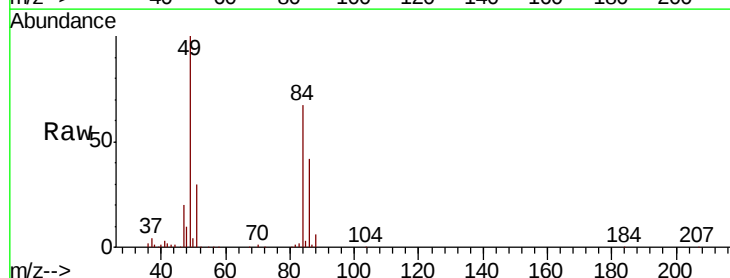
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

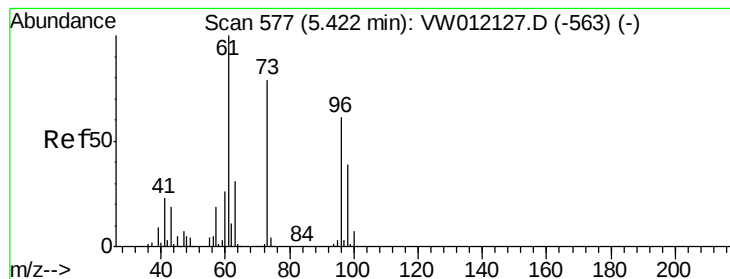
Tgt Ion: 73 Resp: 208656
Ion Ratio Lower Upper
73 100
57 23.4 18.9 28.3



#20
Methylene Chloride
Concen: 51.531 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012609.D
Acq: 05 Sep 2019 00:06

Tgt Ion: 84 Resp: 127173
Ion Ratio Lower Upper
84 100
49 149.8 117.8 176.8
51 44.3 35.6 53.4
86 63.6 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 50.246 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW012609.D

Acq: 05 Sep 2019 00:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

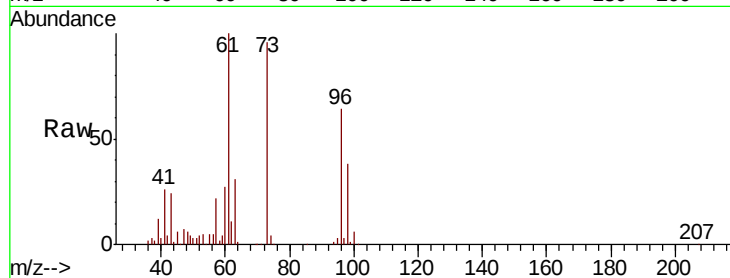
Tgt Ion: 96 Resp: 116109

Ion Ratio Lower Upper

96 100

61 156.1 131.4 197.0

98 60.1 51.4 77.0

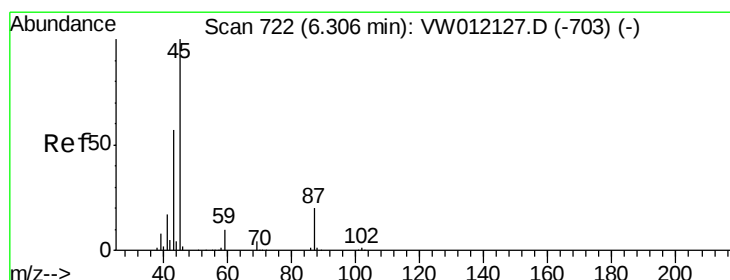
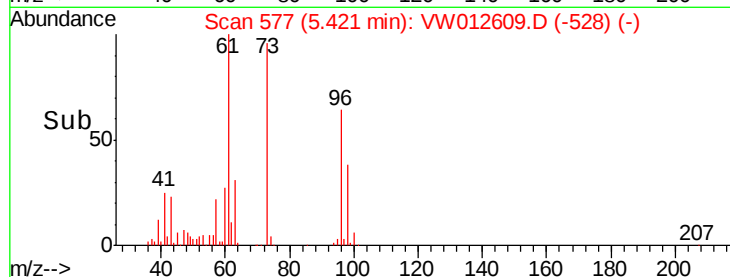
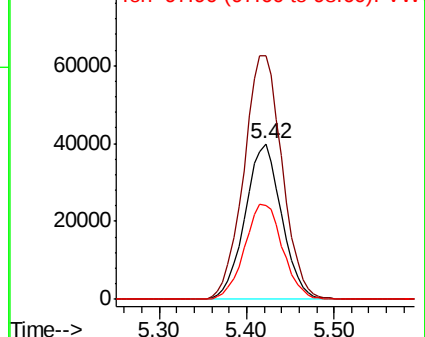


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 54.589 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW012609.D

Acq: 05 Sep 2019 00:06

Tgt Ion: 45 Resp: 466146

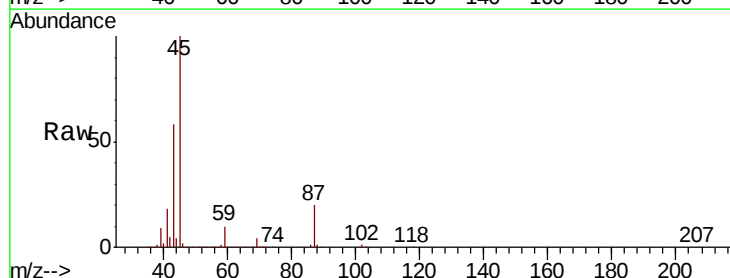
Ion Ratio Lower Upper

45 100

43 58.2 45.5 68.3

87 20.4 16.1 24.1

59 10.0 8.2 12.2



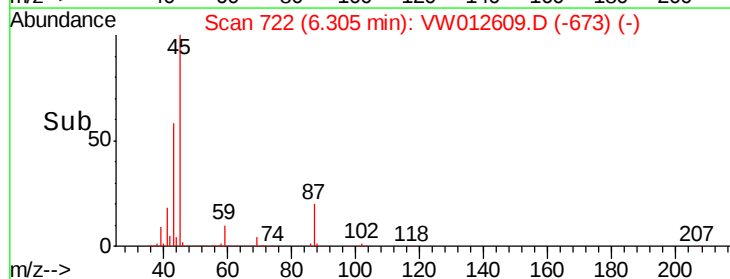
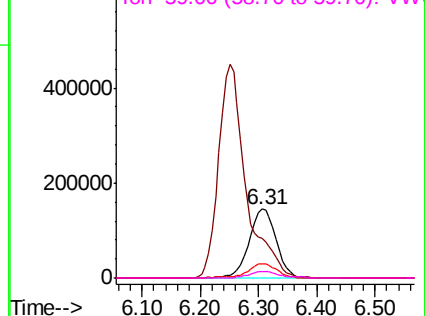
Abundance

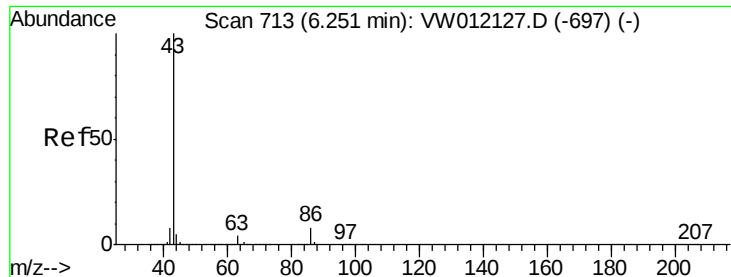
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 279.332 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012609.D

Acq: 05 Sep 2019 00:06

Instrument :

MSVOA_W

ClientSampleId :

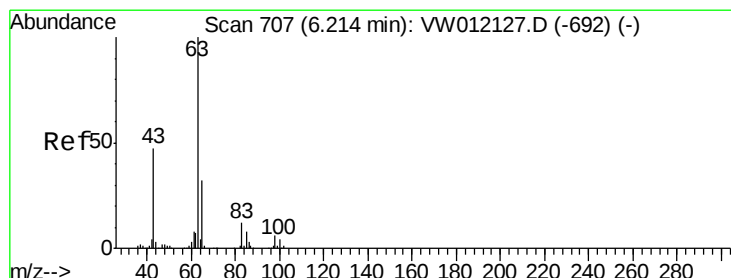
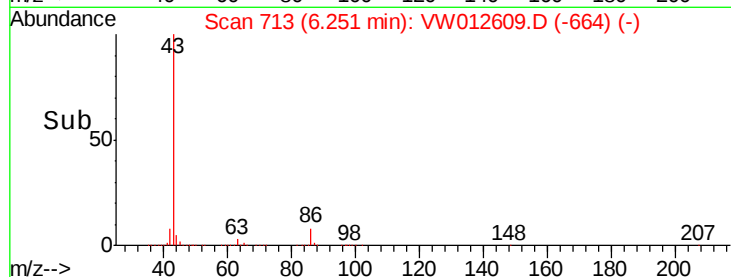
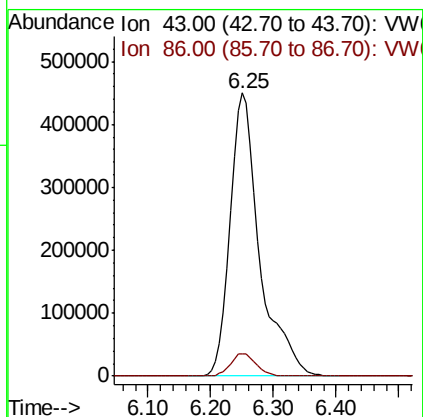
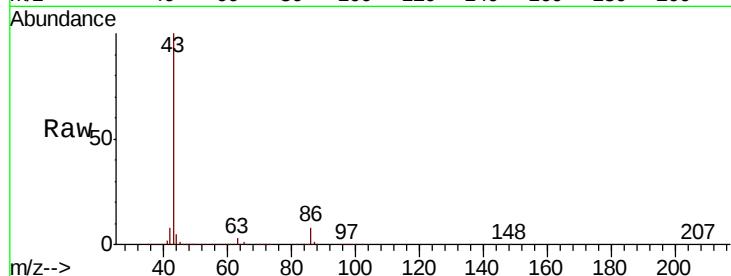
VSTDCCC050

Tgt Ion: 43 Resp: 1467934

Ion Ratio Lower Upper

43 100

86 7.9 6.5 9.7



#24

1,1-Dichloroethane

Concen: 53.577 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012609.D

Acq: 05 Sep 2019 00:06

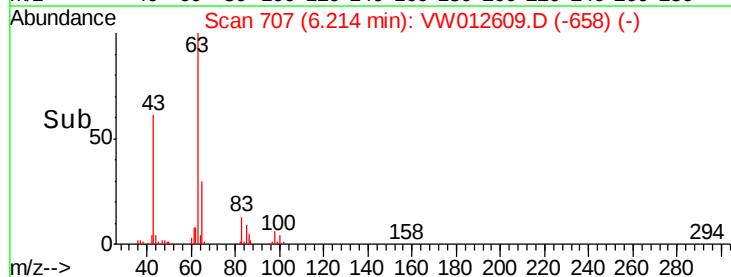
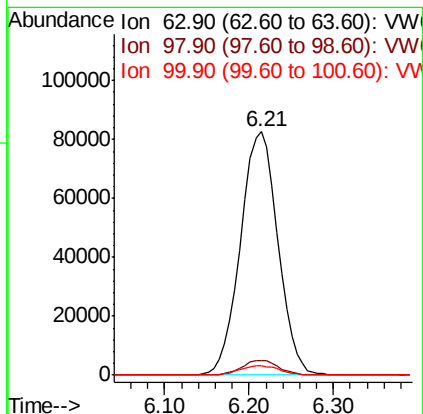
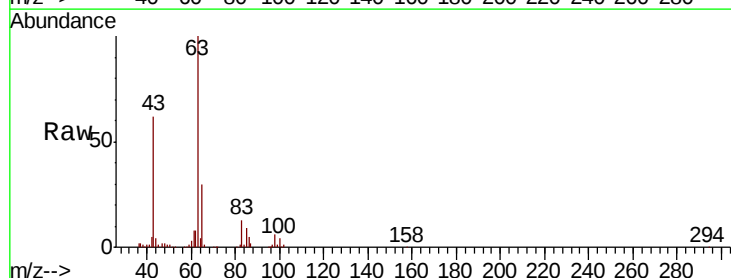
Tgt Ion: 63 Resp: 249105

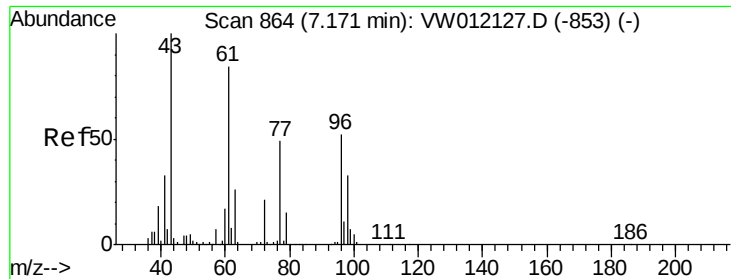
Ion Ratio Lower Upper

63 100

98 6.2 3.0 9.2

100 4.0 2.0 6.0





#25

2-Butanone

Concen: 259.122 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW012609.D

Acq: 05 Sep 2019 00:06

Instrument :

MSVOA_W

ClientSampleId :

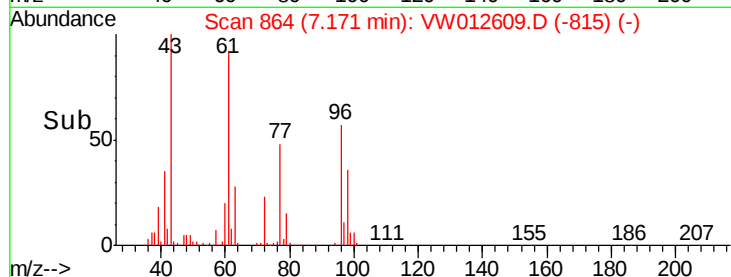
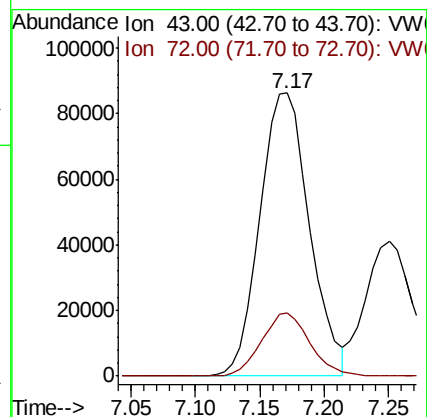
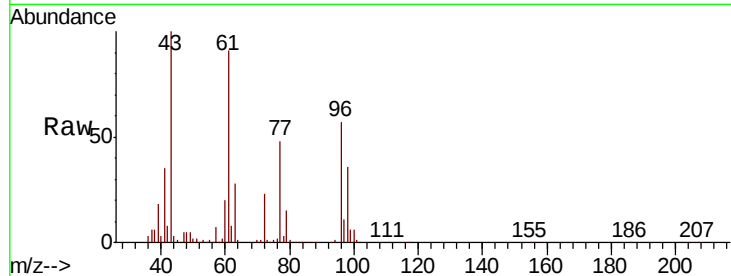
VSTDCCC050

Tgt Ion: 43 Resp: 229868

Ion Ratio Lower Upper

43 100

72 22.6 16.6 24.8



#26

2,2-Dichloropropane

Concen: 50.474 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012609.D

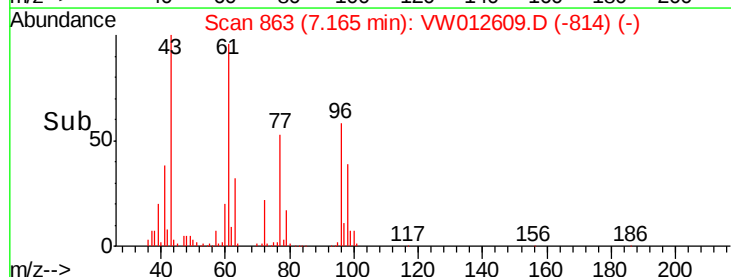
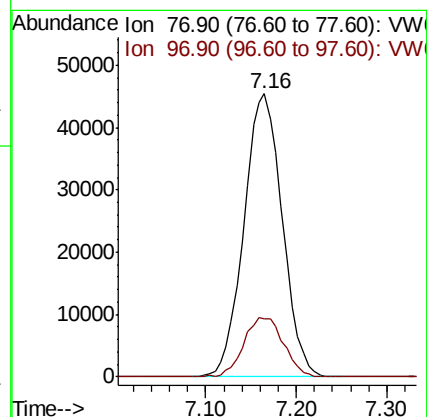
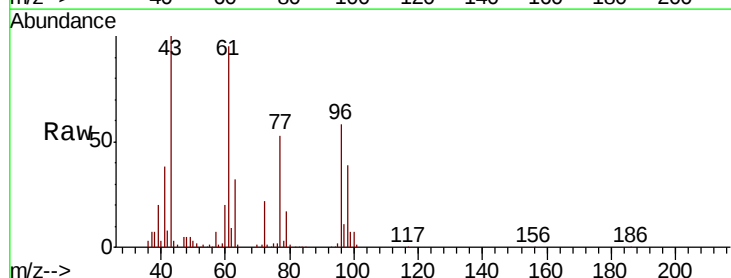
Acq: 05 Sep 2019 00:06

Tgt Ion: 77 Resp: 132830

Ion Ratio Lower Upper

77 100

97 21.9 11.1 33.1



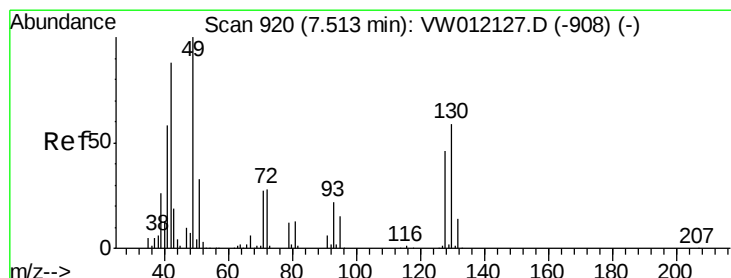
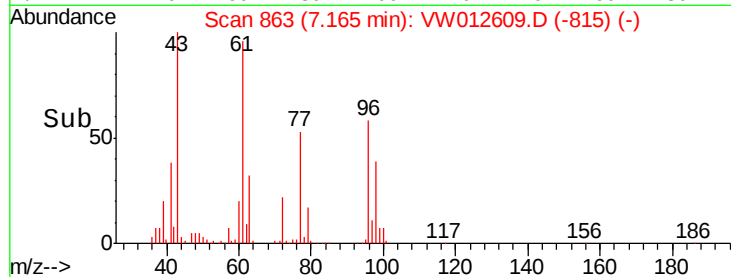
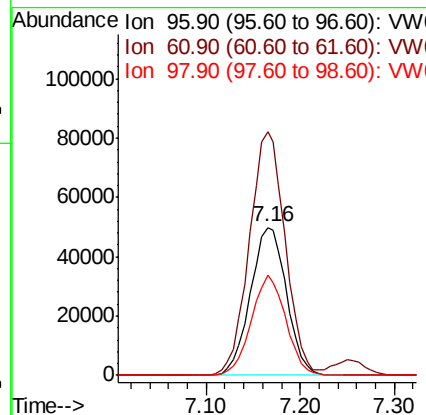
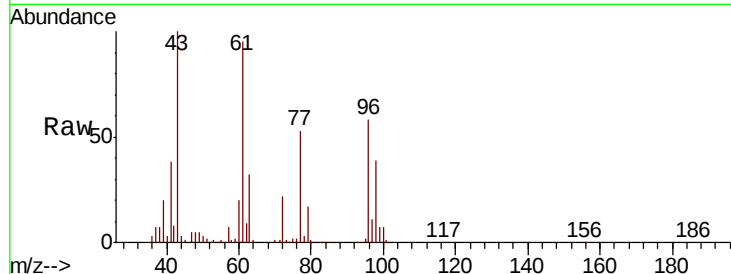


#27

cis-1,2-Dichloroethene
 Concen: 54.269 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW012609.D
 Acq: 05 Sep 2019 00:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

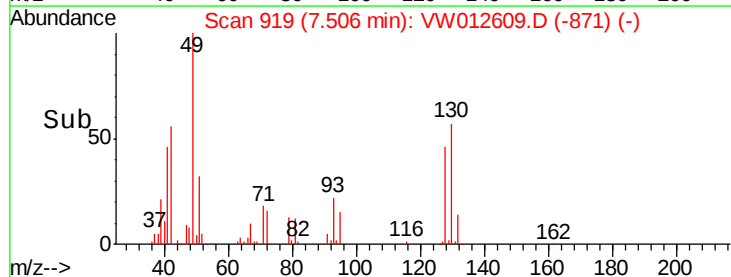
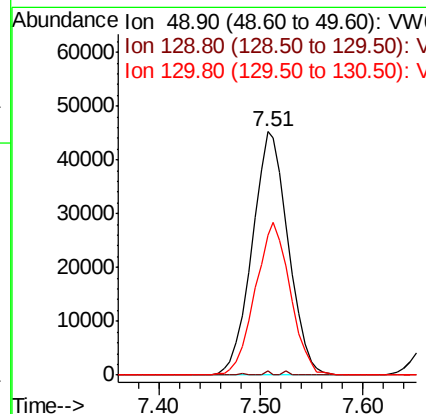
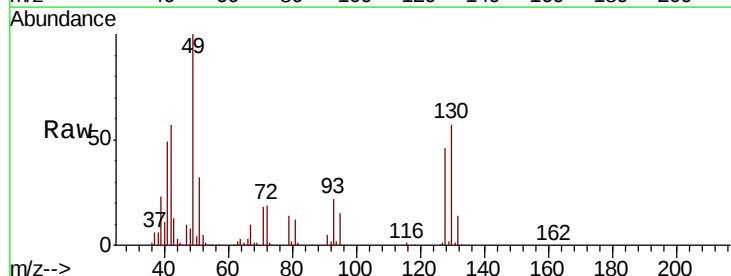
Tgt Ion: 96 Resp: 133983
 Ion Ratio Lower Upper
 96 100
 61 163.5 0.0 326.6
 98 64.5 0.0 127.4

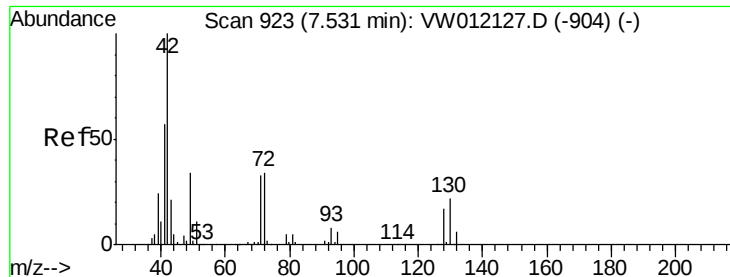


#28

Bromochloromethane
 Concen: 54.801 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW012609.D
 Acq: 05 Sep 2019 00:06

Tgt Ion: 49 Resp: 111051
 Ion Ratio Lower Upper
 49 100
 129 0.3 0.0 1.4
 130 61.2 45.5 68.3

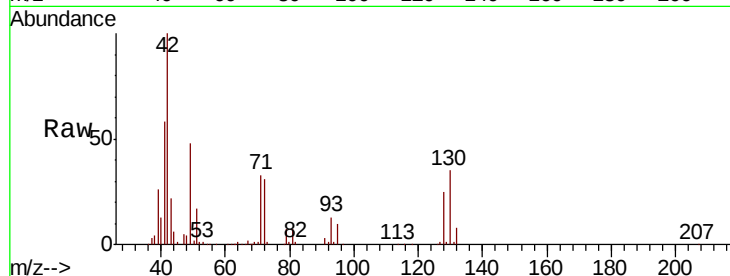




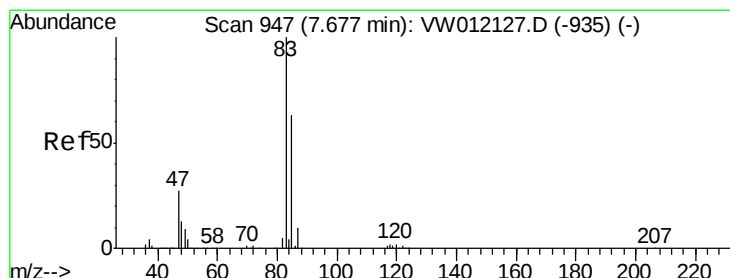
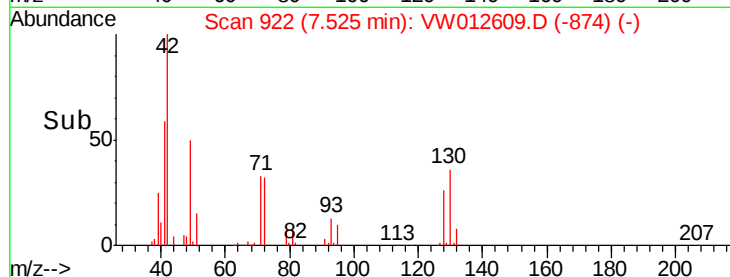
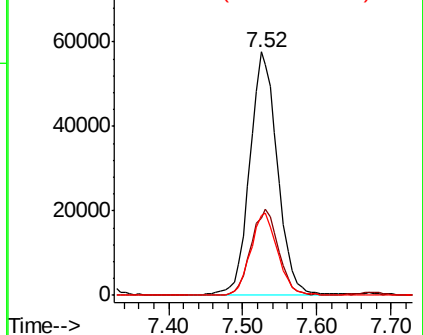
#29
Tetrahydrofuran
Concen: 280.981 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW012609.D
Acq: 05 Sep 2019 00:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 149545
Ion Ratio Lower Upper
42 100
72 35.5 27.3 40.9
71 33.4 25.5 38.3

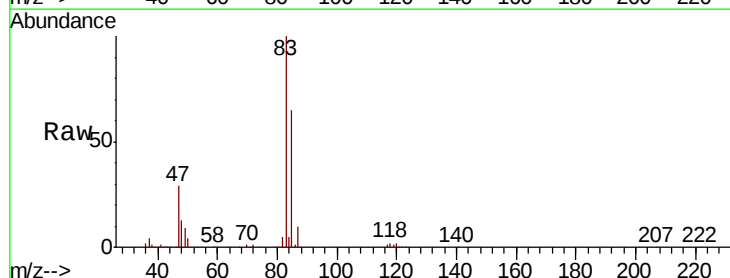


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

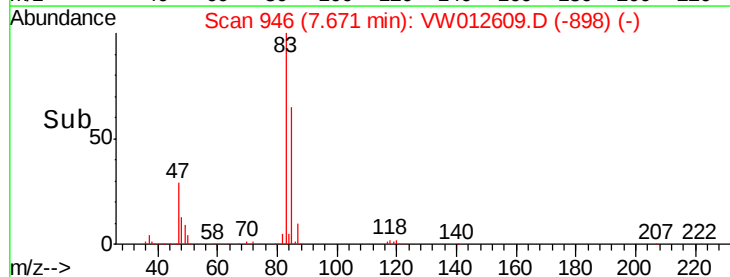
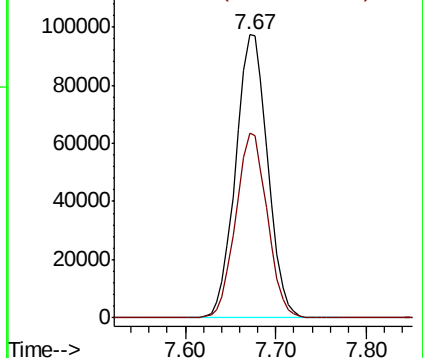


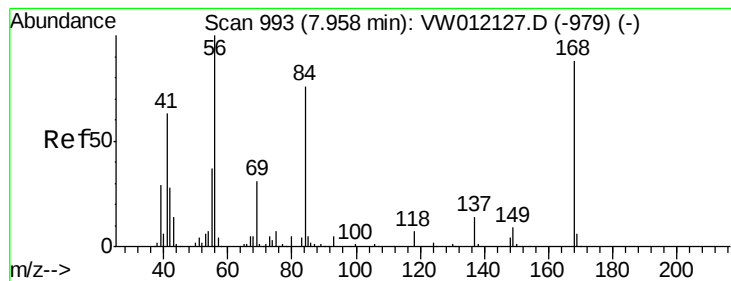
#30
Chloroform
Concen: 56.057 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012609.D
Acq: 05 Sep 2019 00:06

Tgt Ion: 83 Resp: 238453
Ion Ratio Lower Upper
83 100
85 65.4 50.6 76.0



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





#31

Cyclohexane

Concen: 42.416 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW012609.D

Acq: 05 Sep 2019 00:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

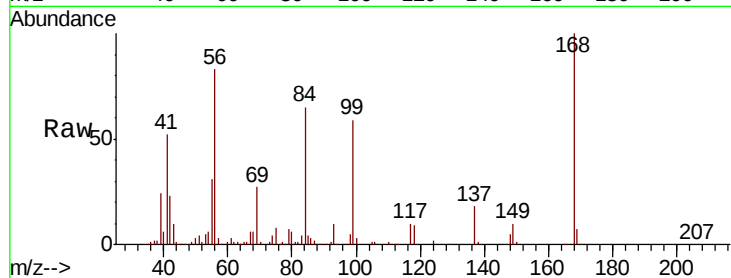
Tgt Ion: 56 Resp: 195113

Ion Ratio Lower Upper

56 100

69 32.5 24.9 37.3

84 76.3 60.6 90.8

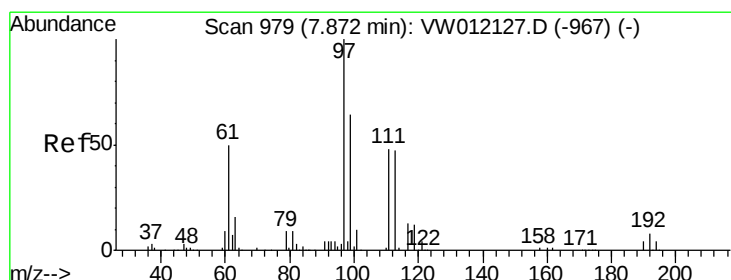
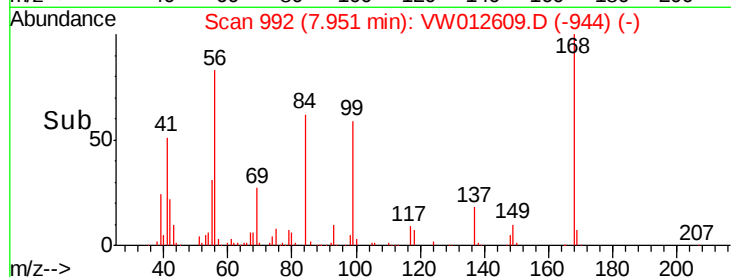
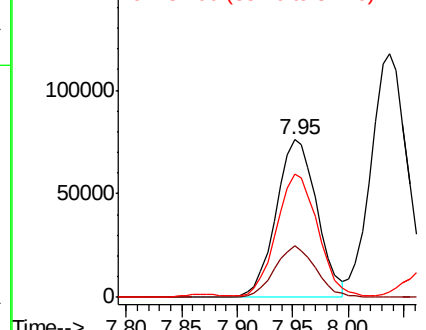


Abundance

Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#32

1,1,1-Trichloroethane

Concen: 55.471 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW012609.D

Acq: 05 Sep 2019 00:06

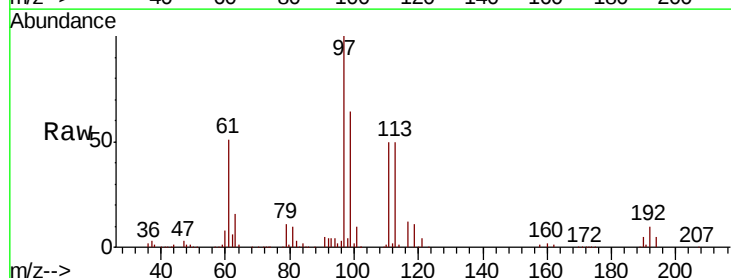
Tgt Ion: 97 Resp: 186664

Ion Ratio Lower Upper

97 100

99 64.2 51.4 77.0

61 48.4 39.5 59.3

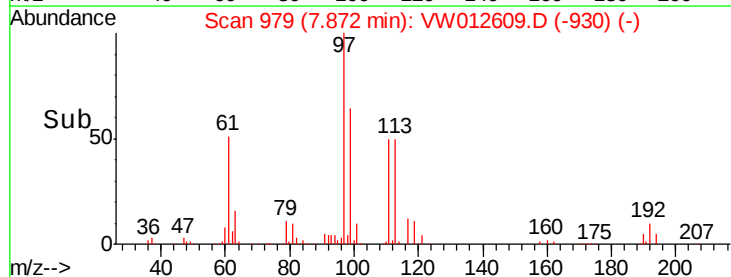
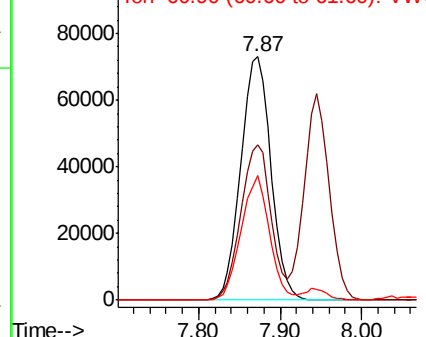


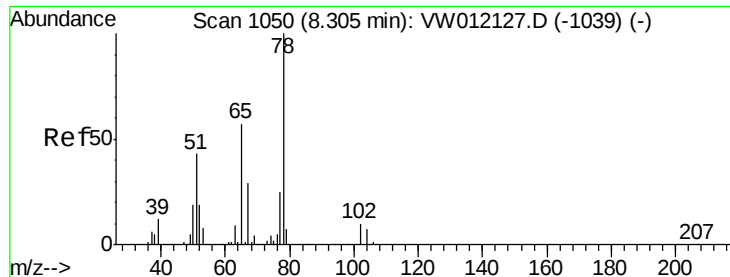
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 98.90 (98.60 to 99.60): VW

Ion 60.90 (60.60 to 61.60): VW

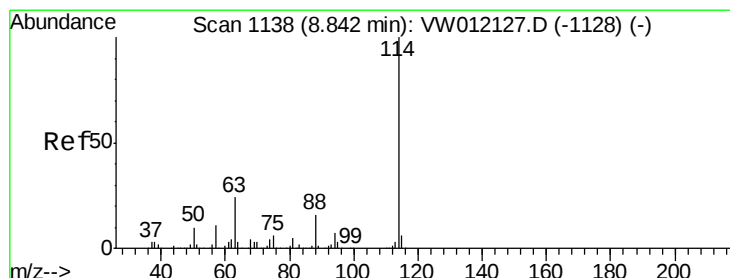
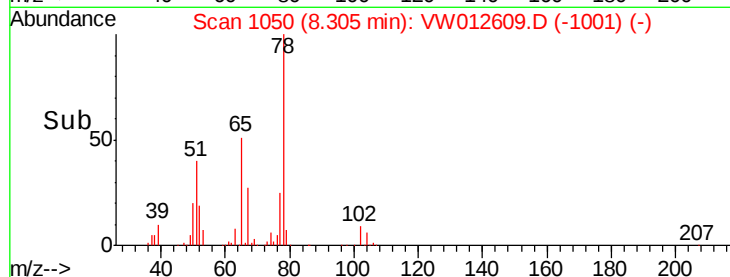
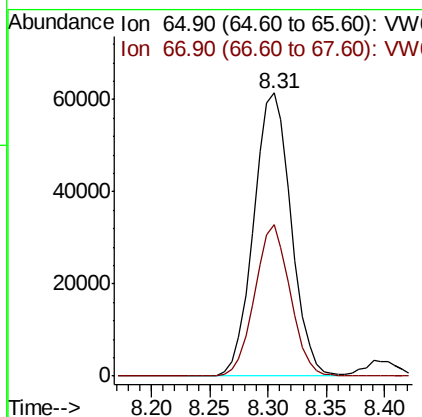
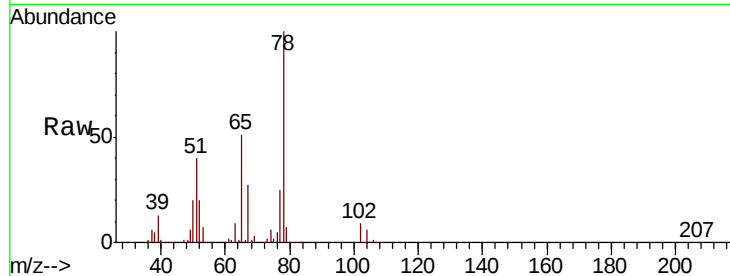




#33
 1,2-Dichloroethane-d4
 Concen: 53.846 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012609.D
 Acq: 05 Sep 2019 00:06

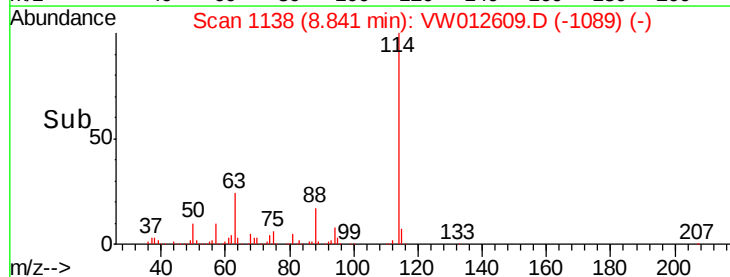
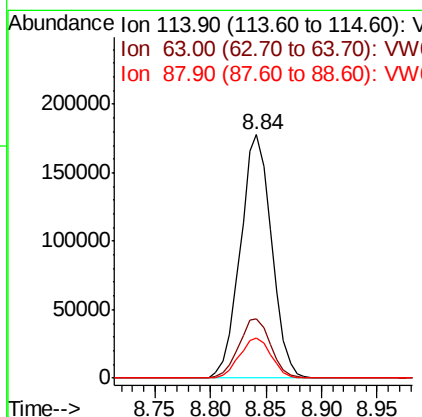
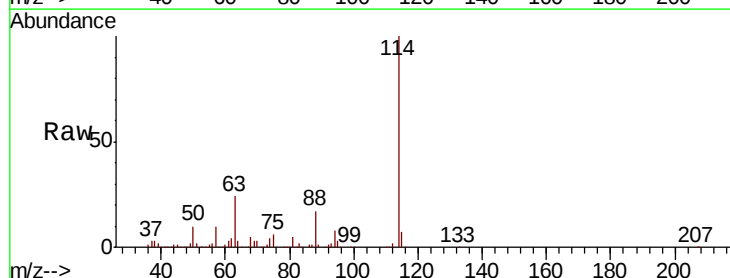
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 65 Resp: 137515
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012609.D
 Acq: 05 Sep 2019 00:06

Tgt Ion: 114 Resp: 346563
 Ion Ratio Lower Upper
 114 100
 63 24.4 0.0 48.6
 88 16.6 0.0 32.2





#35

Dibromofluoromethane

Concen: 52.395 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012609.D

Acq: 05 Sep 2019 00:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

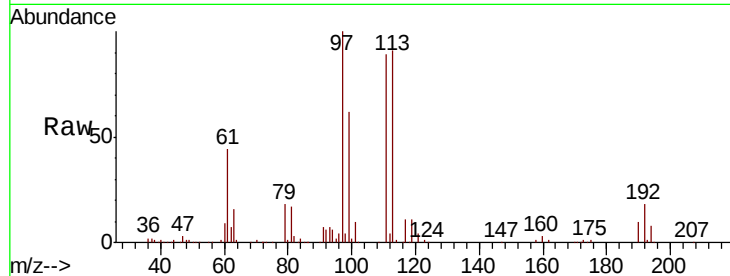
Tgt Ion:113 Resp: 108387

Ion Ratio Lower Upper

113 100

111 101.7 82.7 124.1

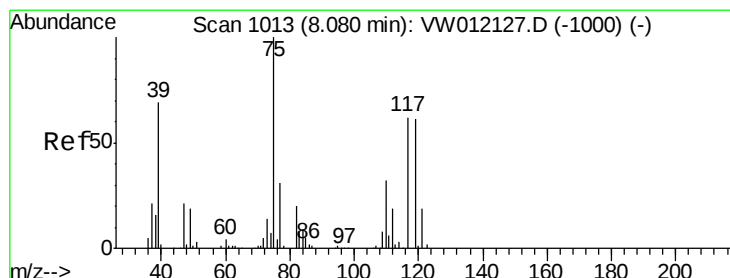
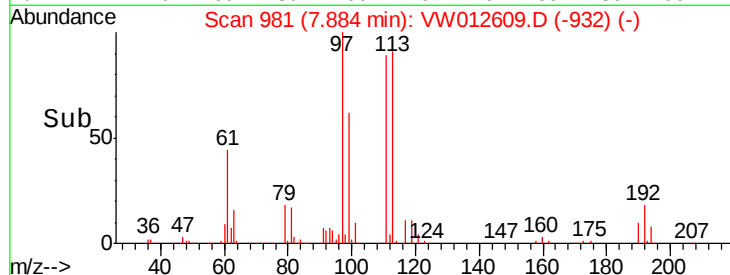
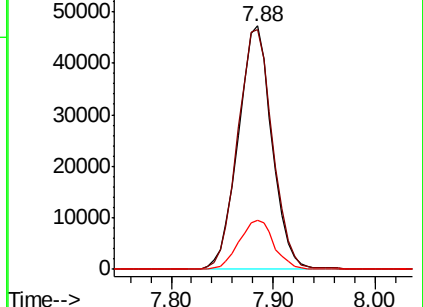
192 20.8 16.2 24.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 49.545 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW012609.D

Acq: 05 Sep 2019 00:06

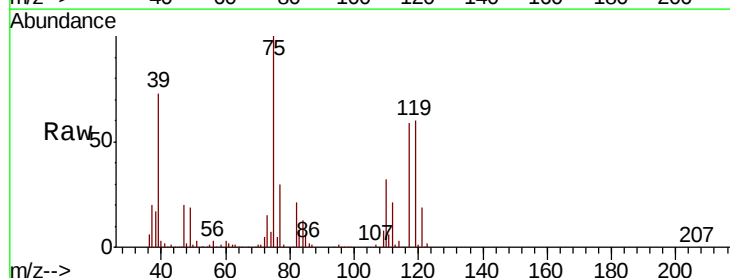
Tgt Ion: 75 Resp: 177436

Ion Ratio Lower Upper

75 100

110 31.3 15.6 46.8

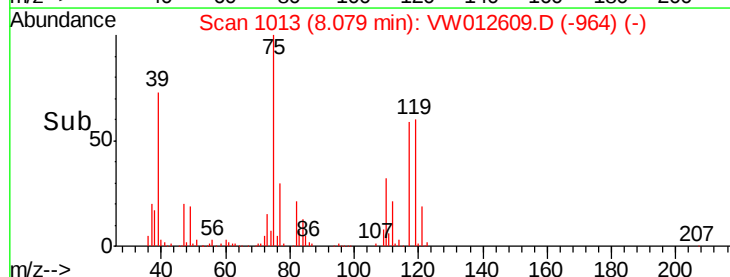
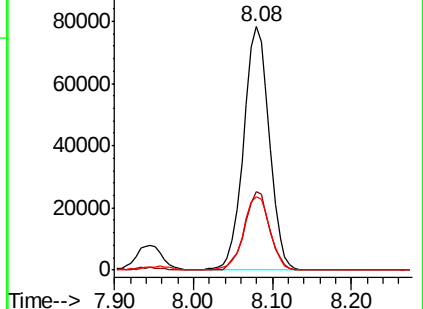
77 31.0 24.6 36.8

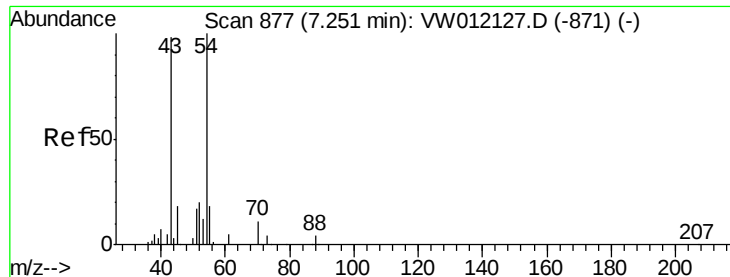


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

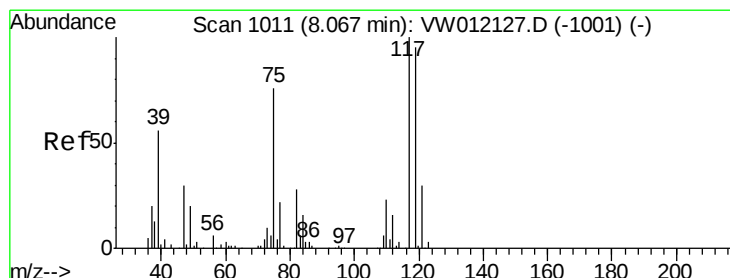
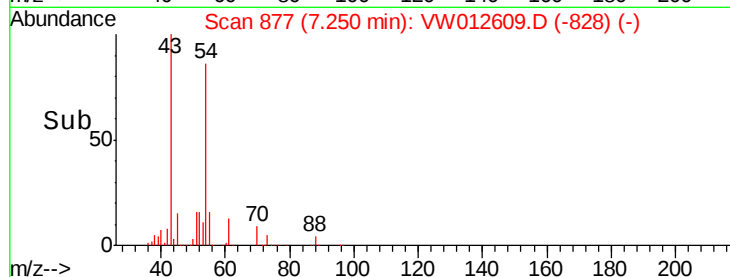
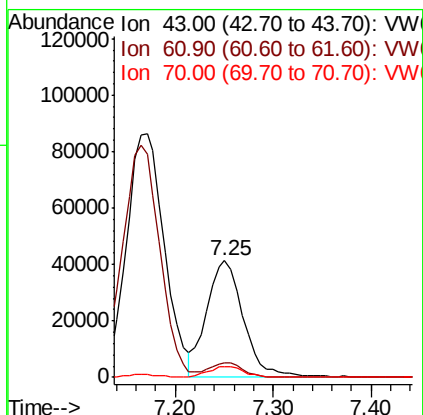
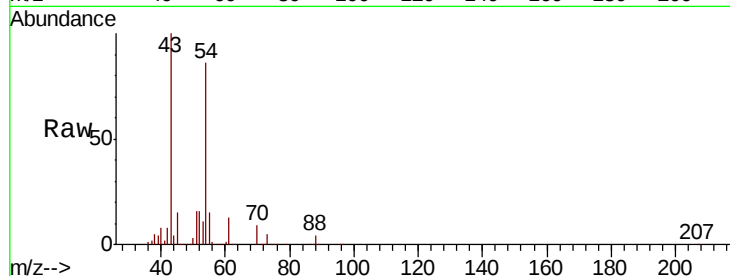




#37
Ethyl Acetate
Concen: 54.066 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012609.D
Acq: 05 Sep 2019 00:06

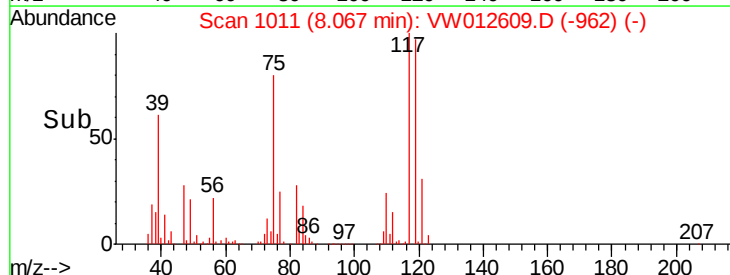
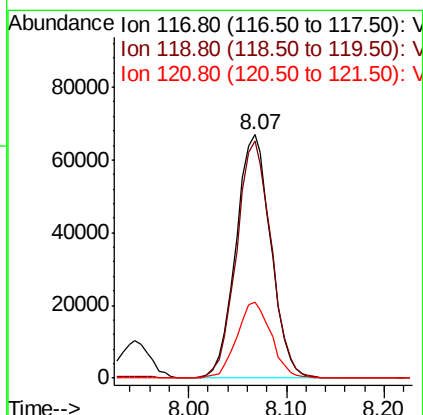
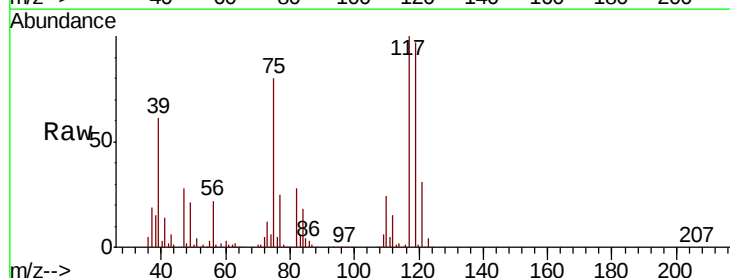
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

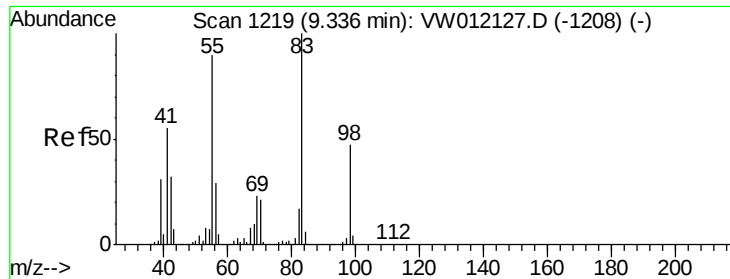
Tgt Ion: 43 Resp: 106105
Ion Ratio Lower Upper
43 100
61 11.6 9.2 13.8
70 9.1 6.9 10.3



#38
Carbon Tetrachloride
Concen: 53.411 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012609.D
Acq: 05 Sep 2019 00:06

Tgt Ion: 117 Resp: 165558
Ion Ratio Lower Upper
117 100
119 97.4 76.2 114.2
121 31.1 23.8 35.8

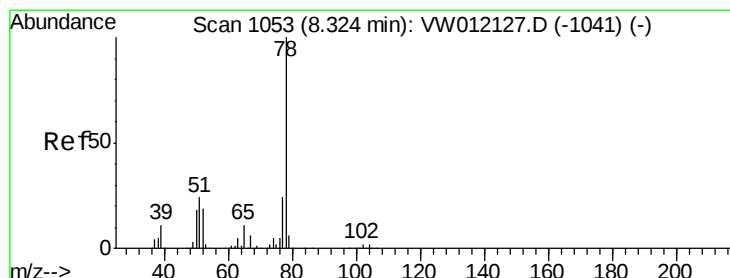
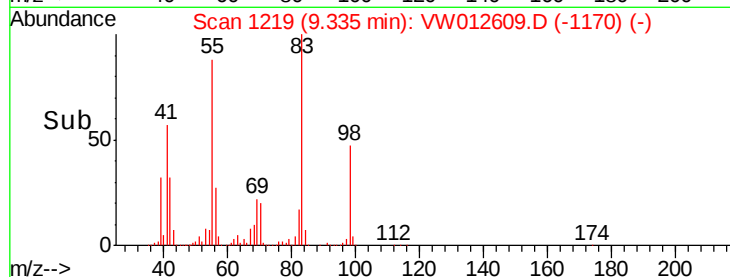
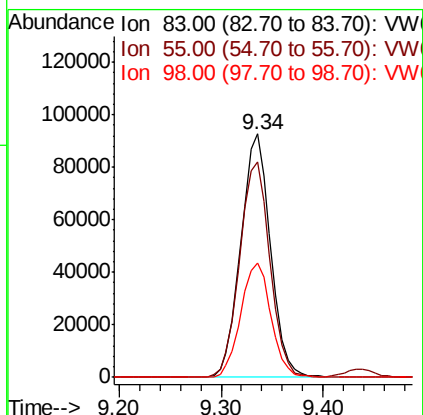
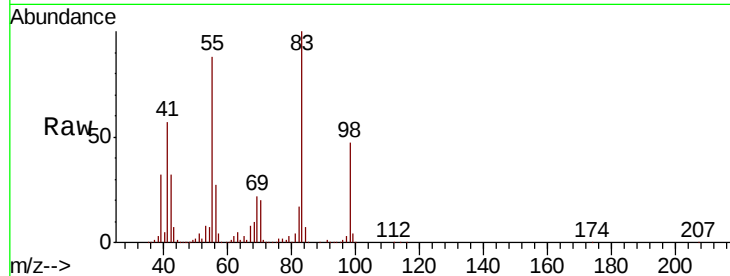




#39
Methylcyclohexane
Concen: 46.622 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012609.D
Acq: 05 Sep 2019 00:06

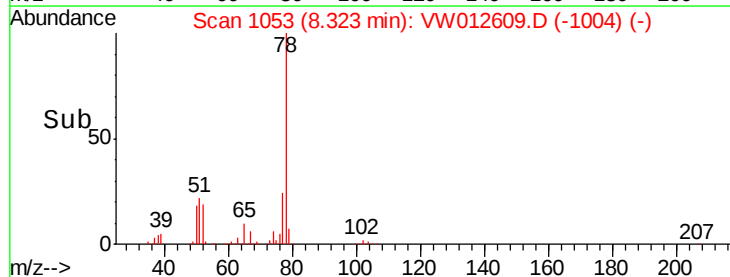
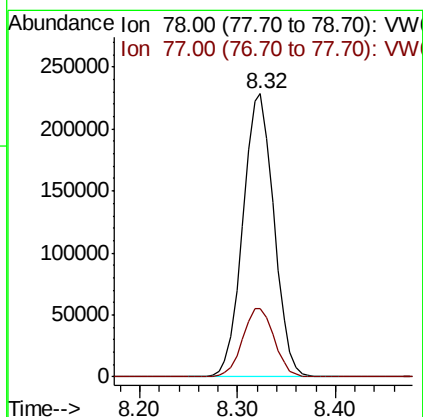
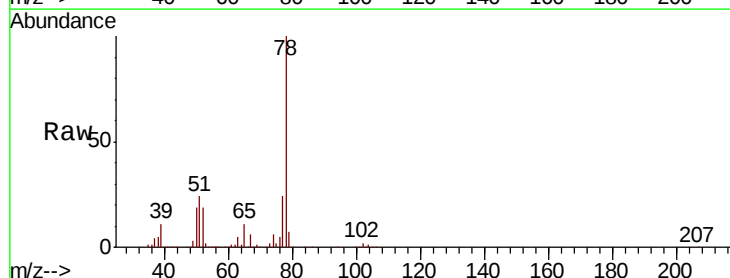
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

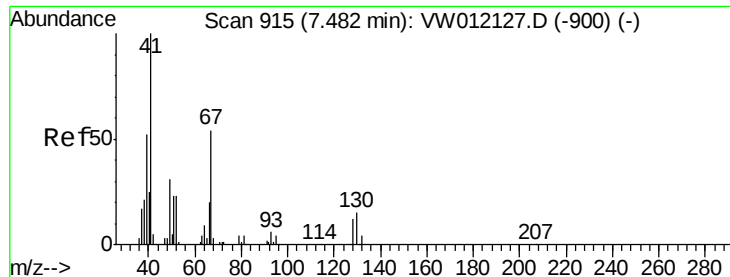
Tgt Ion: 83 Resp: 187578
Ion Ratio Lower Upper
83 100
55 88.4 71.8 107.8
98 46.7 37.8 56.8



#40
Benzene
Concen: 51.420 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012609.D
Acq: 05 Sep 2019 00:06

Tgt Ion: 78 Resp: 502843
Ion Ratio Lower Upper
78 100
77 24.4 19.5 29.3

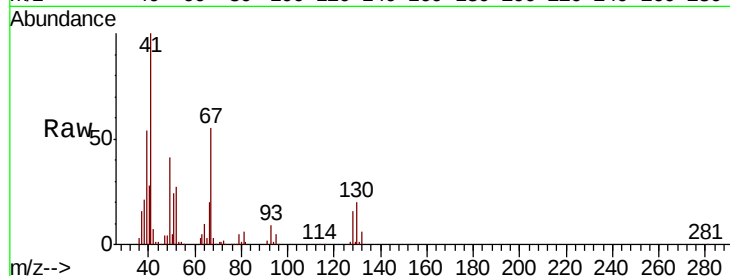




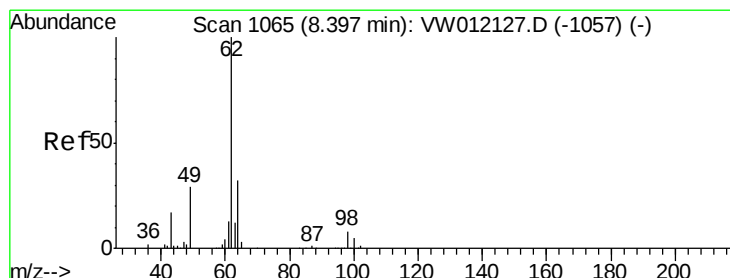
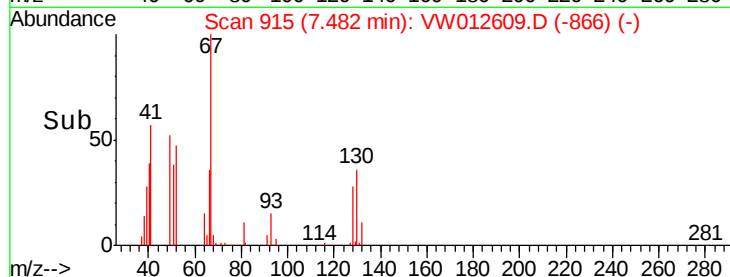
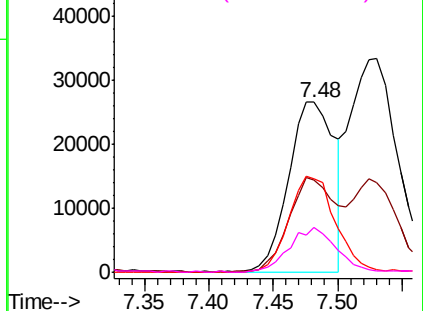
#41
Methacrylonitrile
Concen: 57.328 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW012609.D
Acq: 05 Sep 2019 00:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:	41	Resp:	66124
Ion	Ratio	Lower	Upper
41	100		
39	58.8	45.8	68.8
67	57.3	46.2	69.4
52	27.3	21.0	31.6

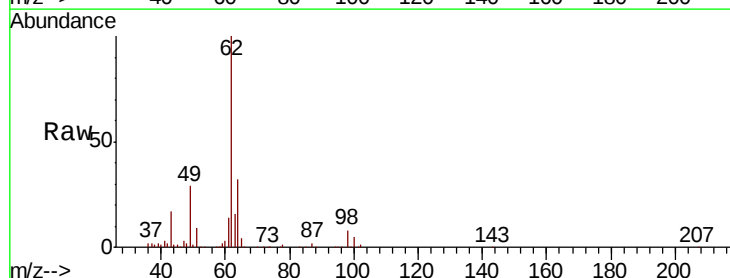


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

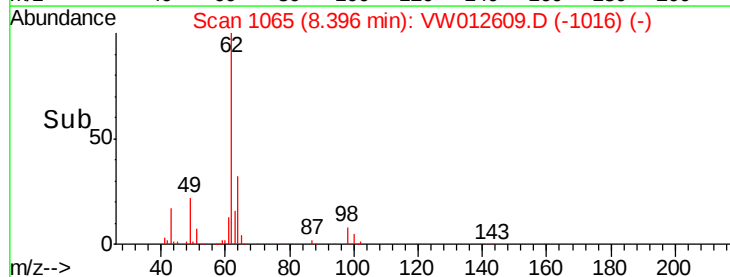
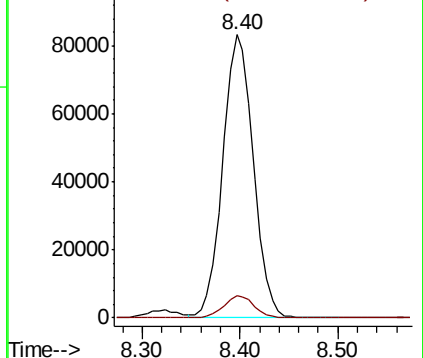


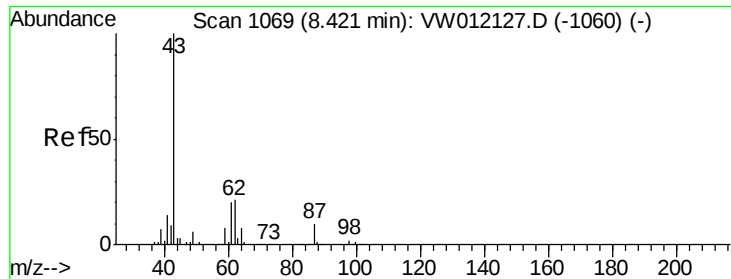
#42
1,2-Dichloroethane
Concen: 58.747 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012609.D
Acq: 05 Sep 2019 00:06

Tgt Ion:	62	Resp:	180052
Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	16.6



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





#43

Isopropyl Acetate

Concen: 55.799 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012609.D

Acq: 05 Sep 2019 00:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

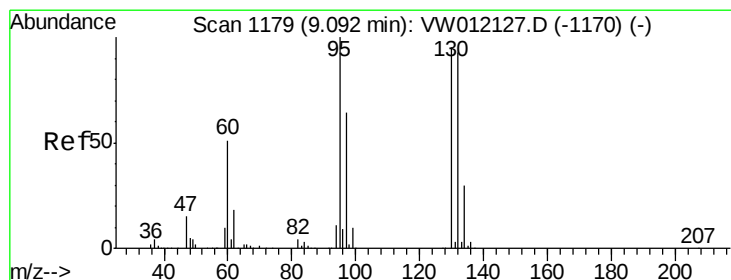
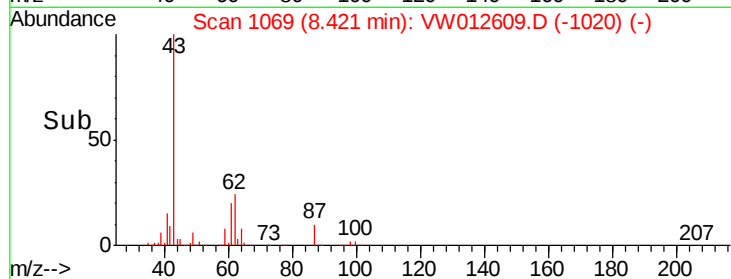
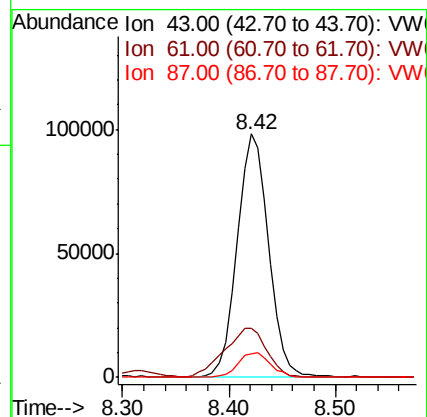
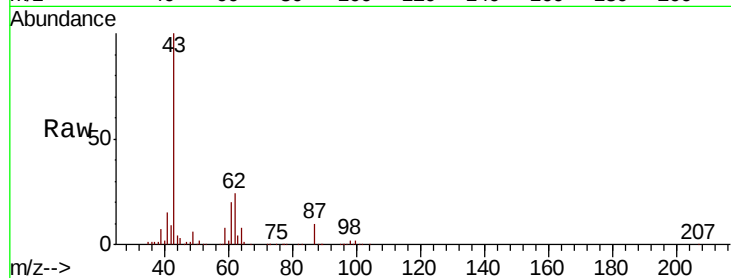
Tgt Ion: 43 Resp: 202842

Ion Ratio Lower Upper

43 100

61 27.2 21.1 31.7

87 10.7 8.2 12.2



#44

Trichloroethene

Concen: 52.633 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW012609.D

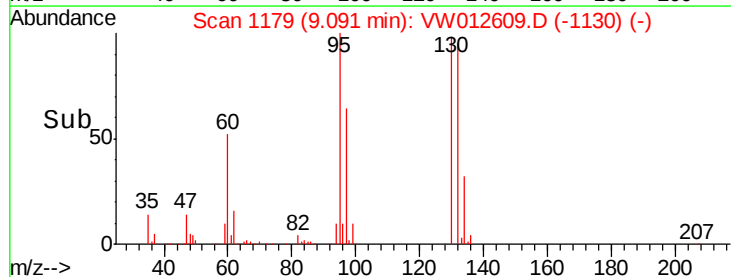
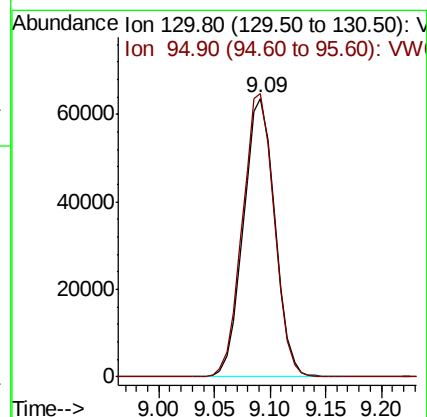
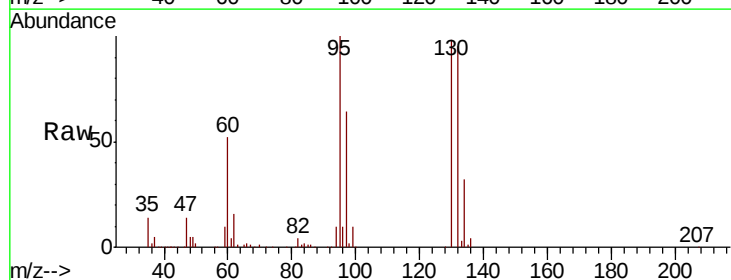
Acq: 05 Sep 2019 00:06

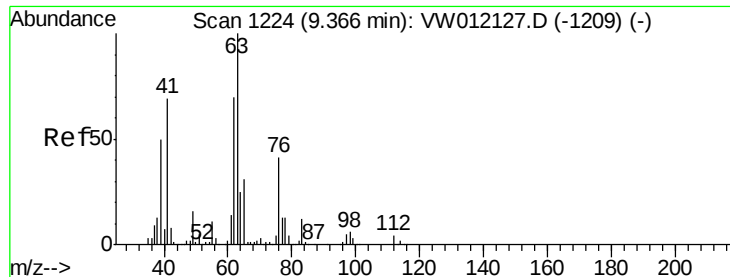
Tgt Ion: 130 Resp: 125121

Ion Ratio Lower Upper

130 100

95 101.7 0.0 210.6

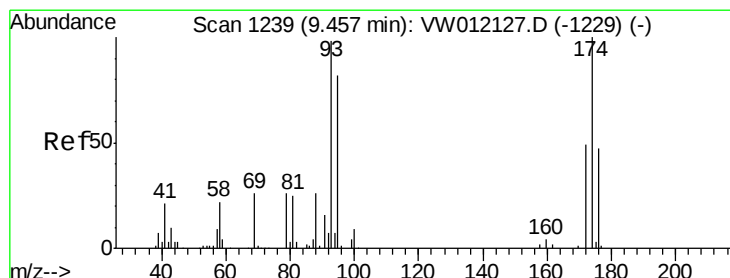
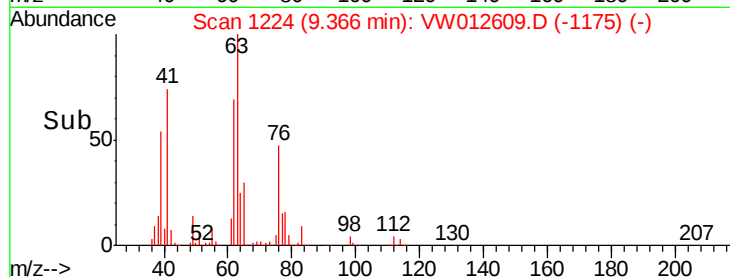
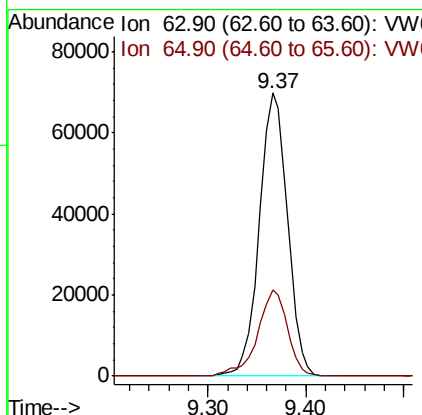
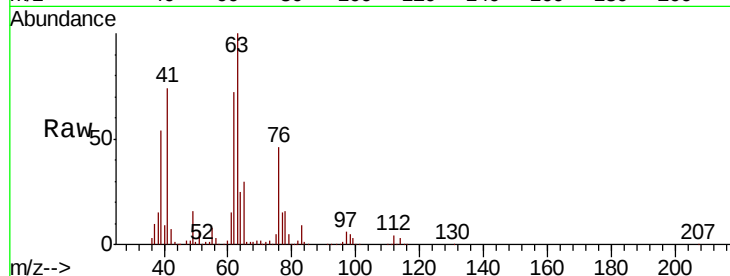




#45
 1,2-Dichloropropane
 Concen: 53.149 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW012609.D
 Acq: 05 Sep 2019 00:06

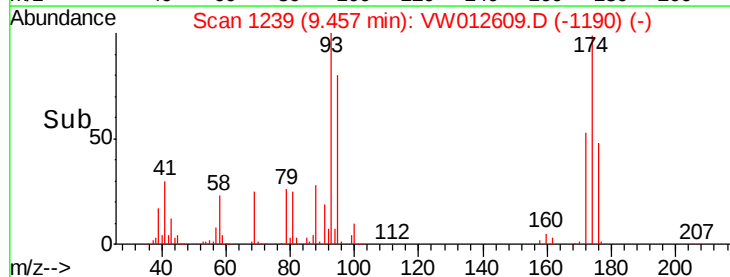
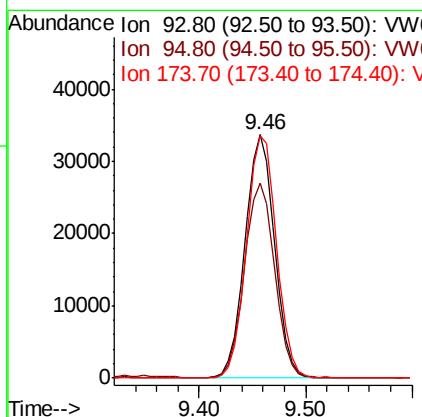
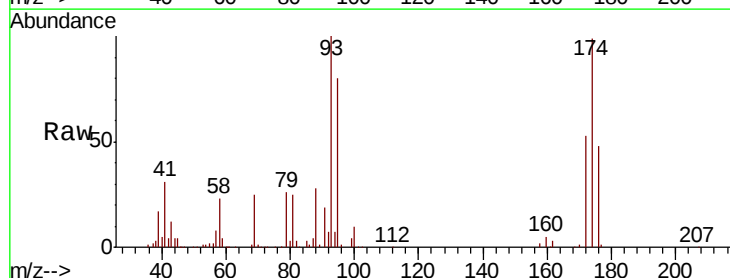
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 63 Resp: 139879
 Ion Ratio Lower Upper
 63 100
 65 30.2 25.0 37.4



#46
 Dibromomethane
 Concen: 56.136 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW012609.D
 Acq: 05 Sep 2019 00:06

Tgt Ion: 93 Resp: 65734
 Ion Ratio Lower Upper
 93 100
 95 82.2 67.2 100.8
 174 101.5 79.0 118.6





#47

Bromodichloromethane

Concen: 57.810 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW012609.D

Acq: 05 Sep 2019 00:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

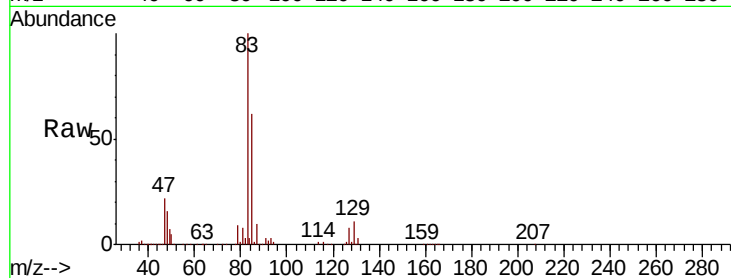
Tgt Ion: 83 Resp: 180165

Ion Ratio Lower Upper

83 100

85 62.3 49.4 74.2

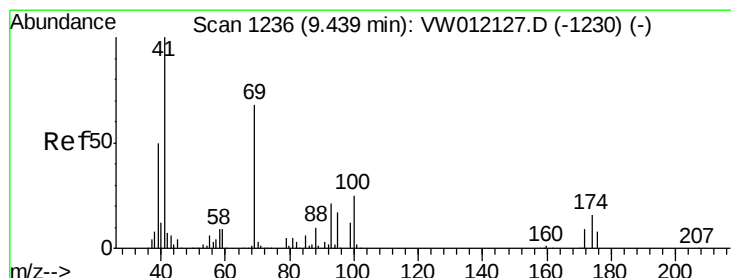
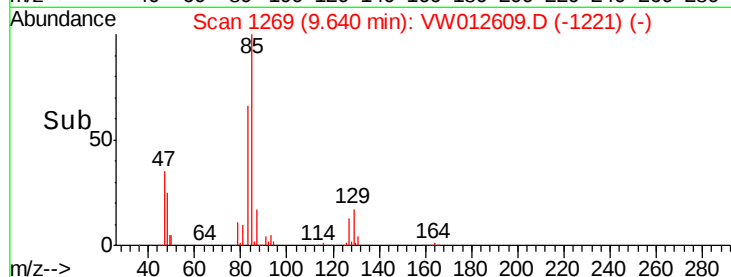
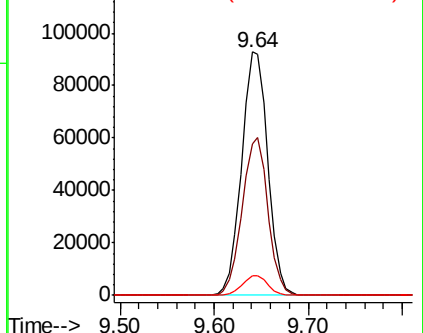
127 7.8 6.1 9.1



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 56.215 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VW012609.D

Acq: 05 Sep 2019 00:06

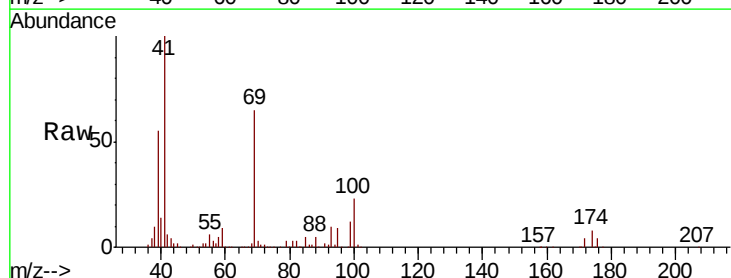
Tgt Ion: 41 Resp: 97262

Ion Ratio Lower Upper

41 100

69 71.1 56.7 85.1

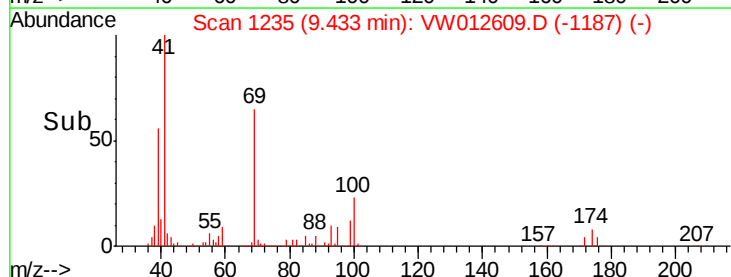
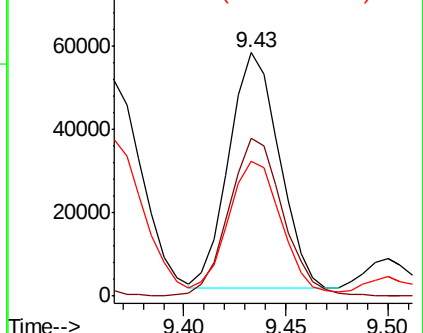
39 61.2 42.0 63.0

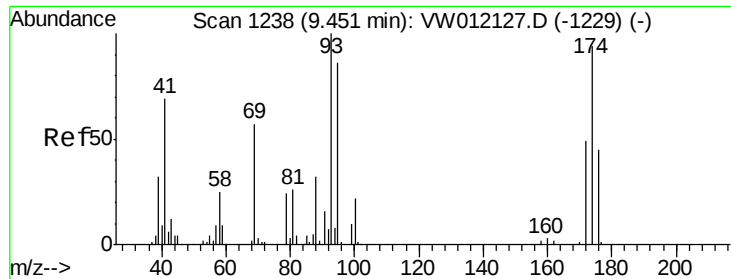


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

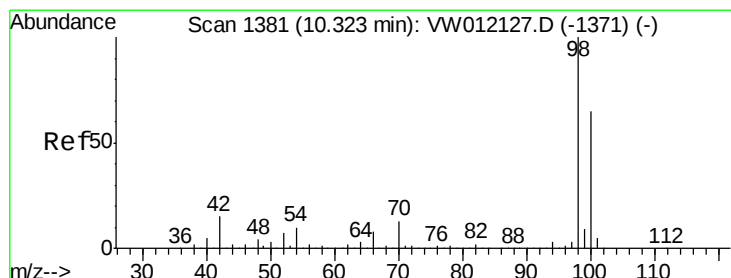
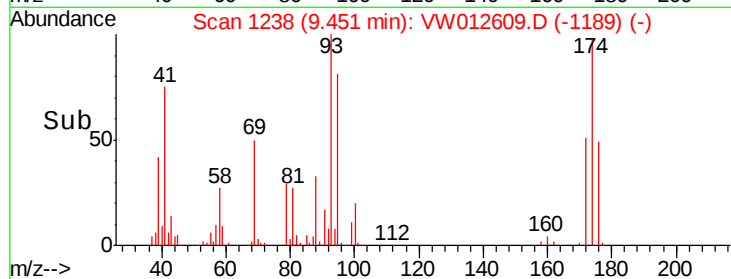
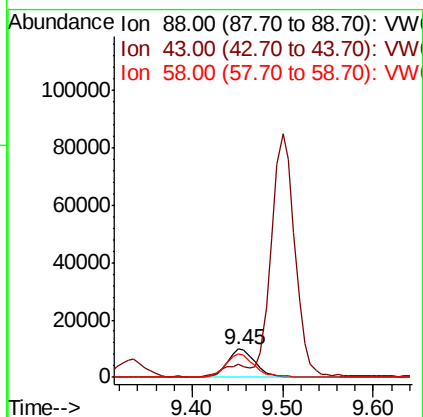
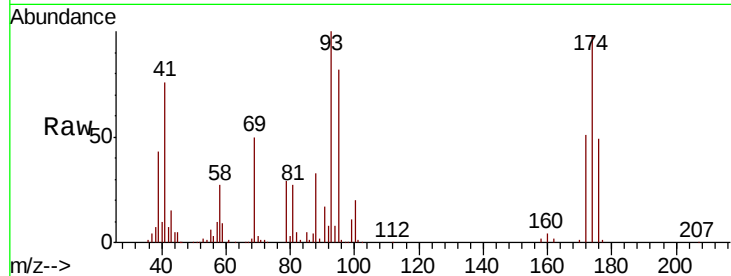




#49
 1,4-Dioxane
 Concen: 1167.382 ug/l
 RT: 9.45 min Scan# 1238
 Delta R.T. -0.00 min
 Lab File: VW012609.D
 Acq: 05 Sep 2019 00:06

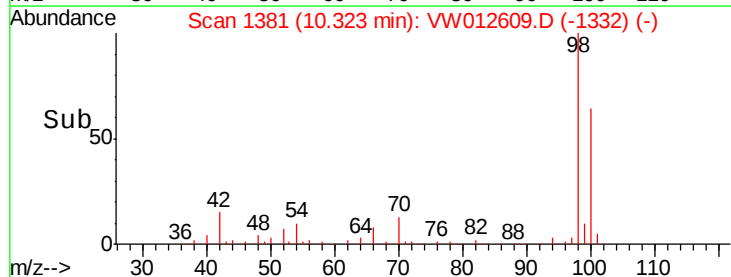
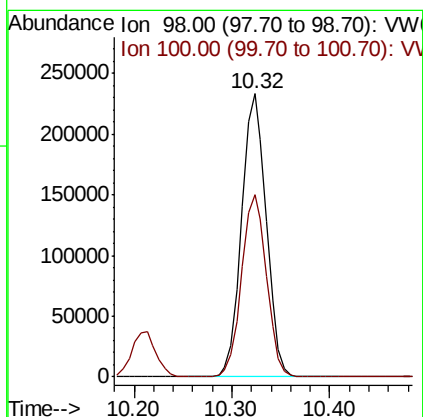
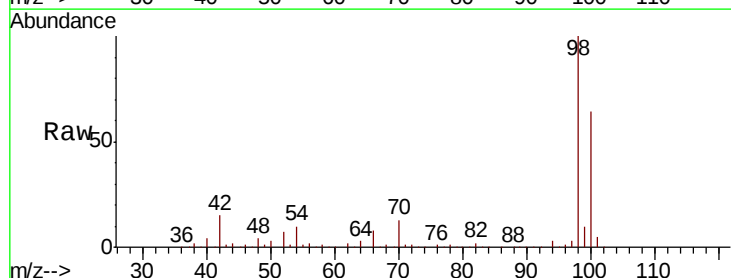
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 88 Resp: 20927
 Ion Ratio Lower Upper
 88 100
 43 41.7 32.9 49.3
 58 87.6 71.0 106.4



#50
 Toluene-d8
 Concen: 48.542 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW012609.D
 Acq: 05 Sep 2019 00:06

Tgt Ion: 98 Resp: 407154
 Ion Ratio Lower Upper
 98 100
 100 65.2 52.4 78.6





#51

4-Methyl-2-Pentanone

Concen: 285.083 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW012609.D

Acq: 05 Sep 2019 00:06

Instrument :

MSVOA_W

ClientSampleId :

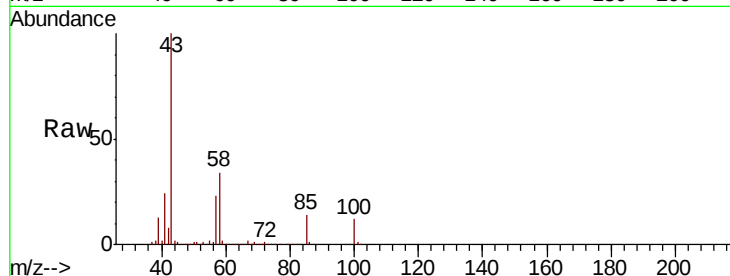
VSTDCCC050

Tgt Ion: 43 Resp: 527111

Ion Ratio Lower Upper

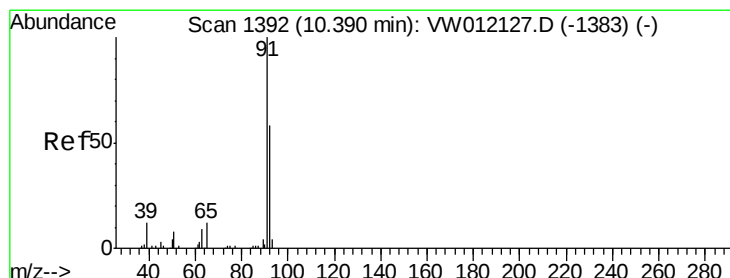
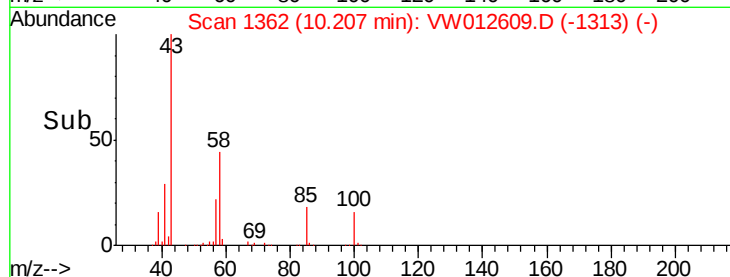
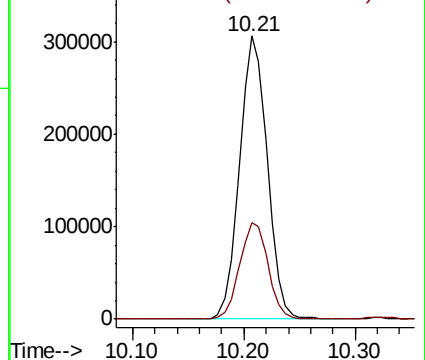
43 100

58 35.1 28.2 42.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 52.794 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW012609.D

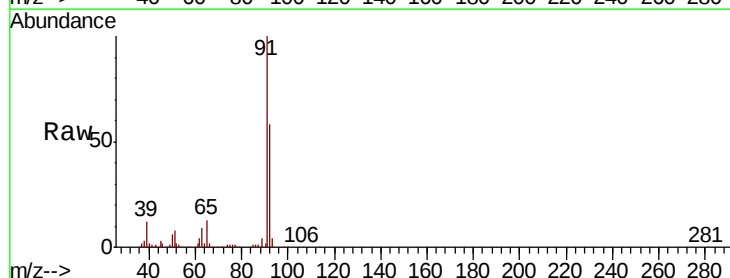
Acq: 05 Sep 2019 00:06

Tgt Ion: 92 Resp: 310153

Ion Ratio Lower Upper

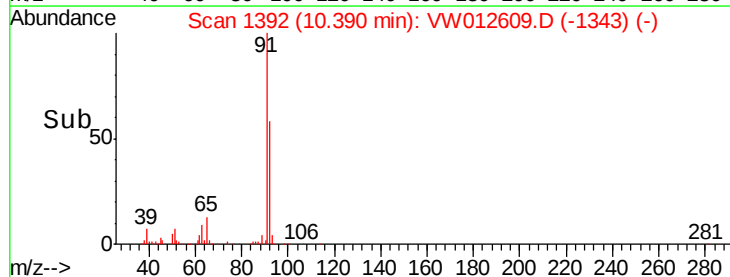
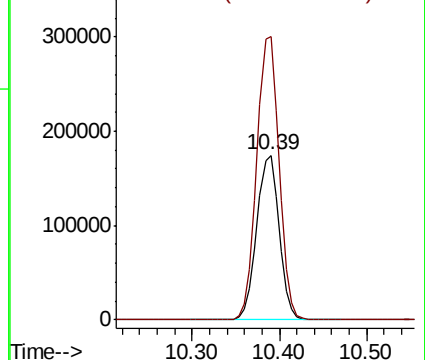
92 100

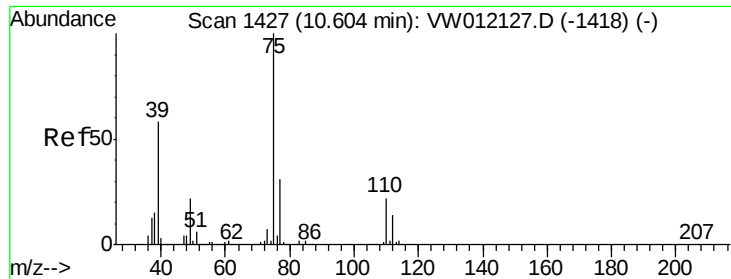
91 171.9 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

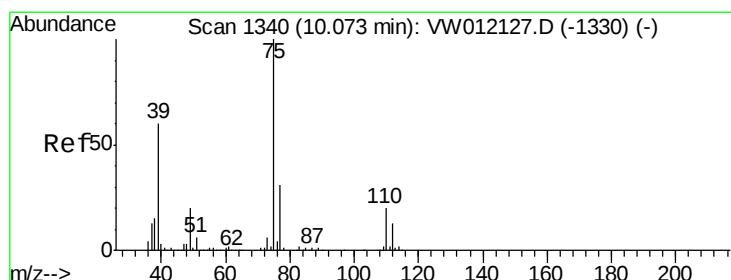
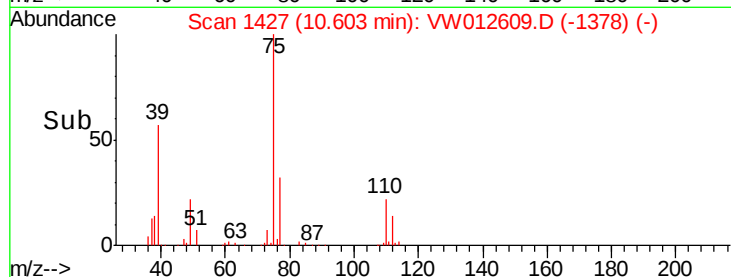
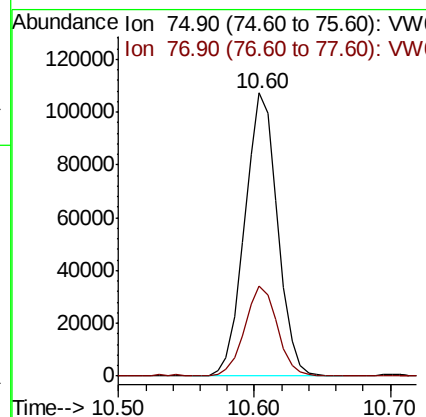
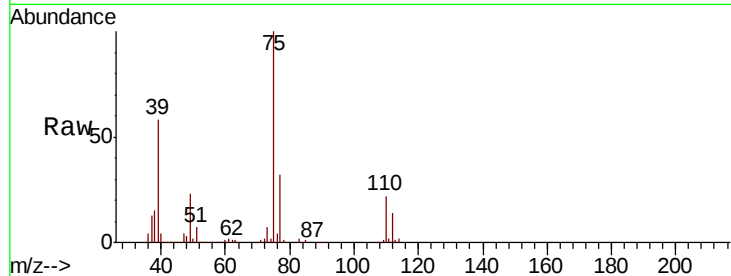




#53
 t-1,3-Dichloropropene
 Concen: 56.912 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW012609.D
 Acq: 05 Sep 2019 00:06

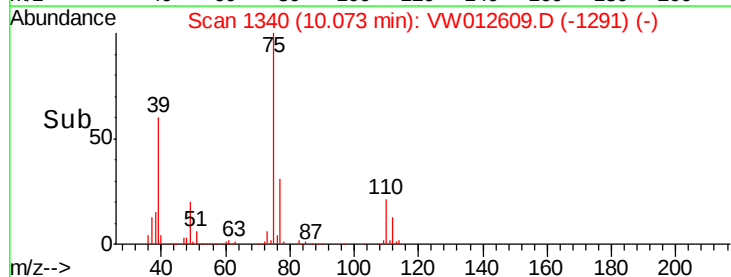
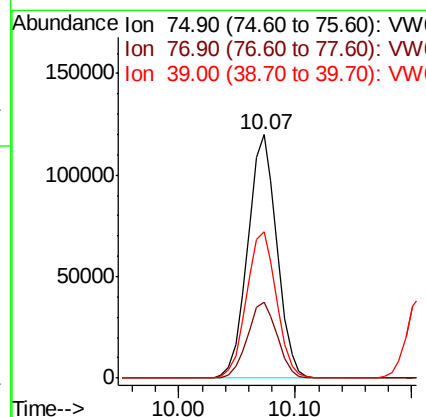
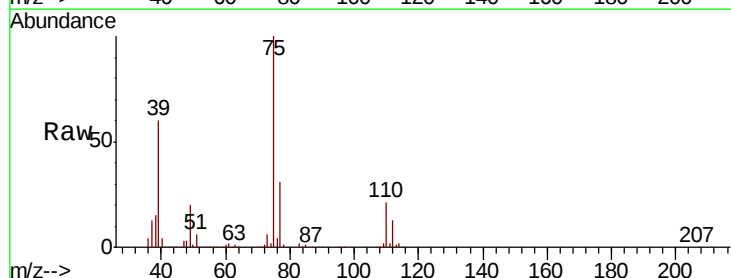
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

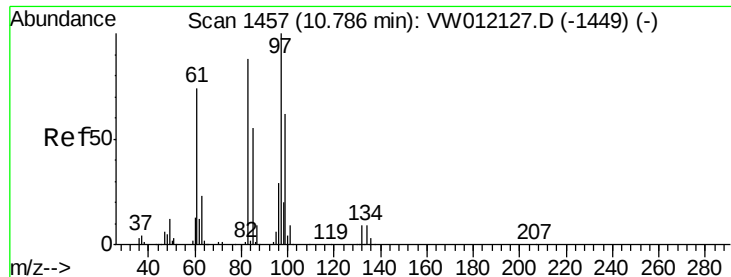
Tgt Ion: 75 Resp: 180669
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.0 37.4



#54
 cis-1,3-Dichloropropene
 Concen: 54.655 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW012609.D
 Acq: 05 Sep 2019 00:06

Tgt Ion: 75 Resp: 209496
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.1 37.7
 39 59.8 48.3 72.5

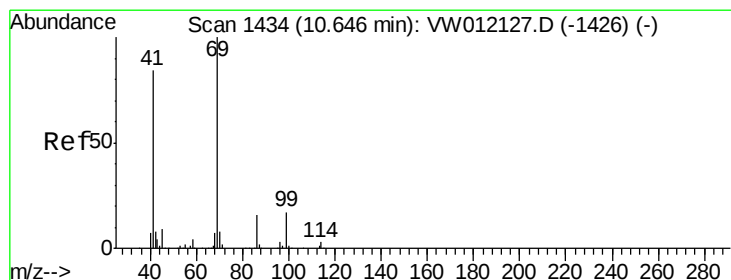
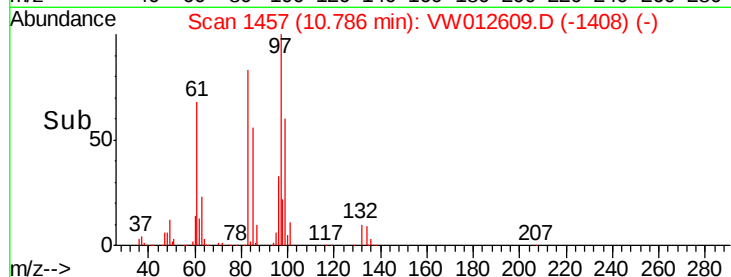
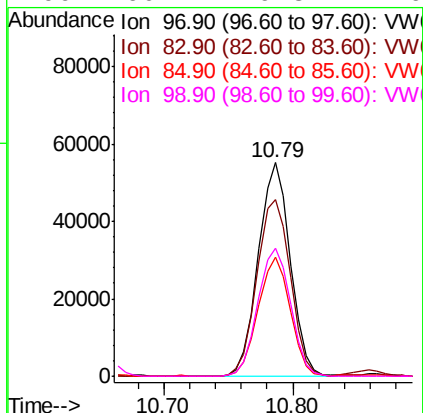
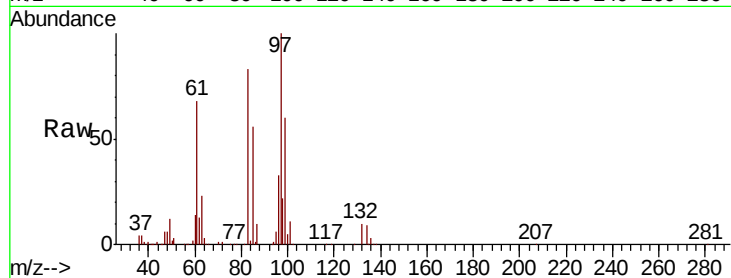




#55
 1,1,2-Trichloroethane
 Concen: 57.039 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012609.D
 Acq: 05 Sep 2019 00:06

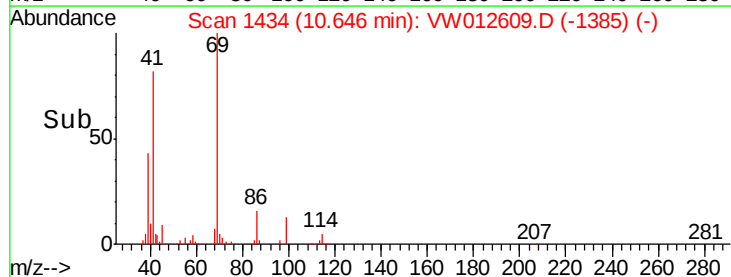
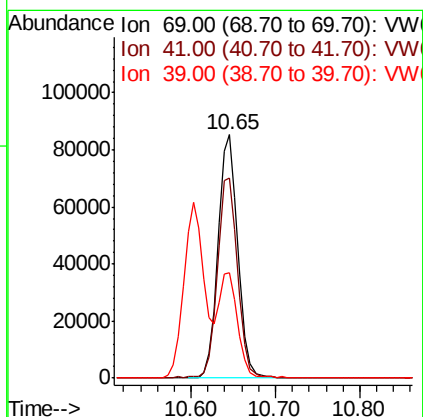
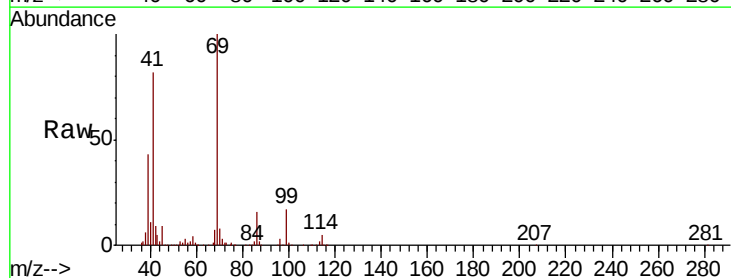
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

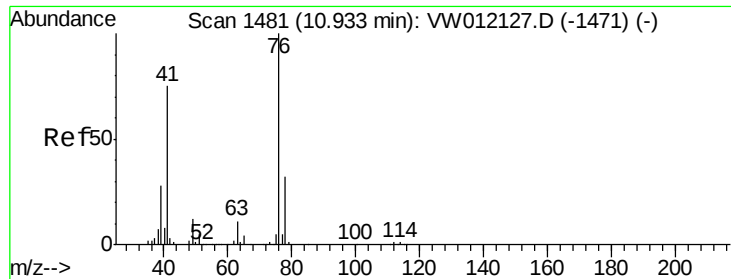
Tgt Ion:	97	Resp:	94501
Ion	Ratio	Lower	Upper
97	100		
83	82.7	70.8	106.2
85	55.6	43.8	65.8
99	60.1	49.8	74.6



#56
 Ethyl methacrylate
 Concen: 57.445 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012609.D
 Acq: 05 Sep 2019 00:06

Tgt Ion:	69	Resp:	138518
Ion	Ratio	Lower	Upper
69	100		
41	83.4	66.5	99.7
39	40.1	31.0	46.4

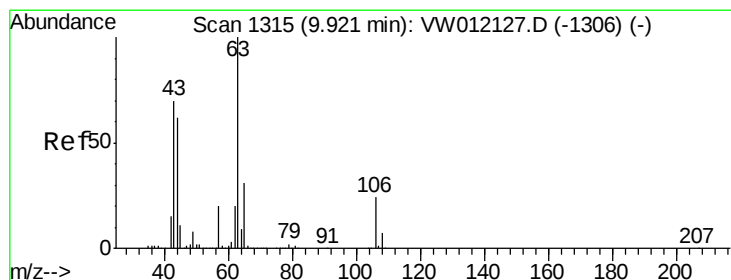
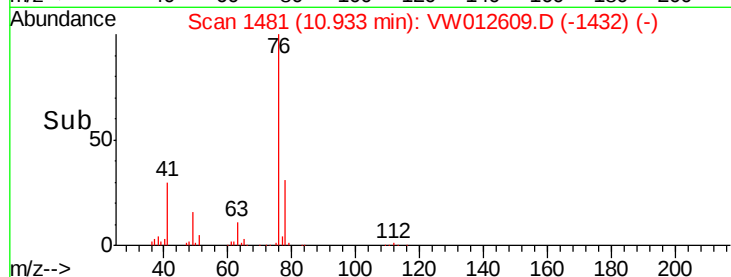
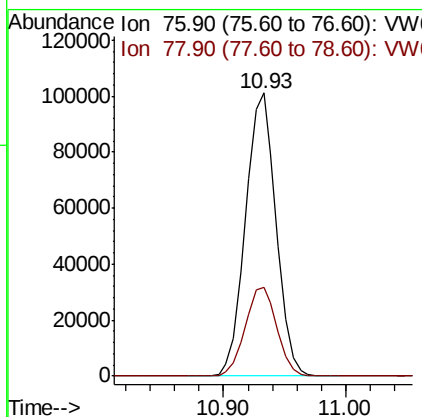
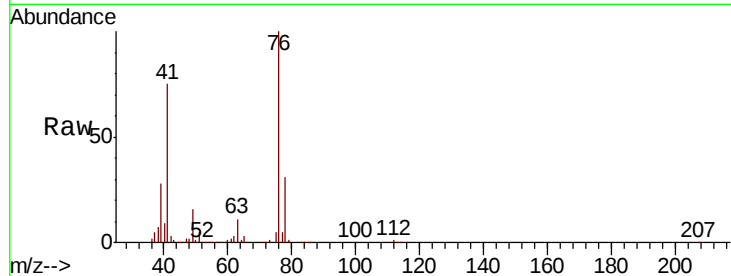




#57
 1,3-Dichloropropane
 Concen: 56.000 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012609.D
 Acq: 05 Sep 2019 00:06

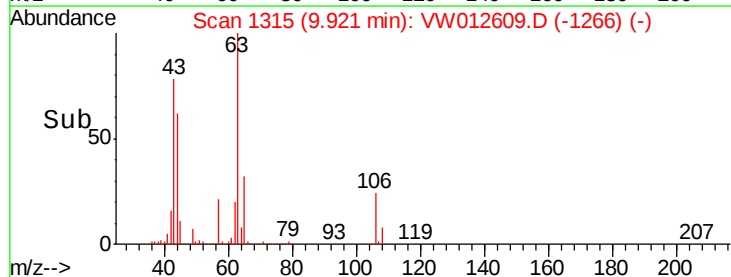
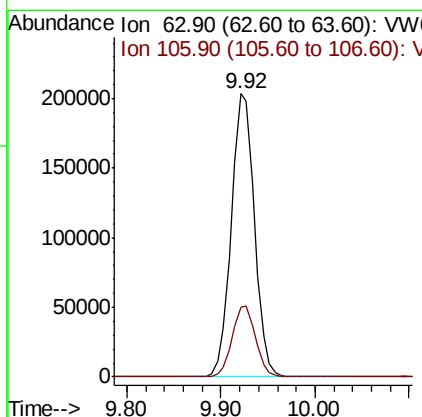
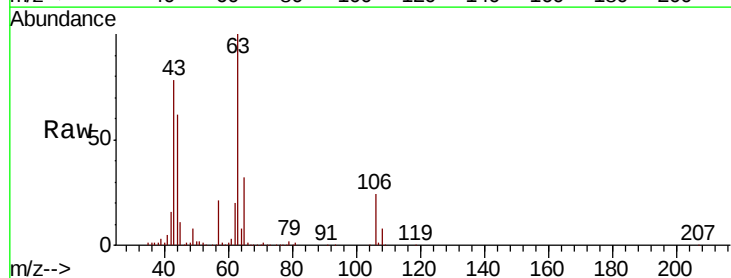
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 76 Resp: 175330
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 279.932 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012609.D
 Acq: 05 Sep 2019 00:06

Tgt Ion: 63 Resp: 346427
 Ion Ratio Lower Upper
 63 100
 106 25.4 19.8 29.8

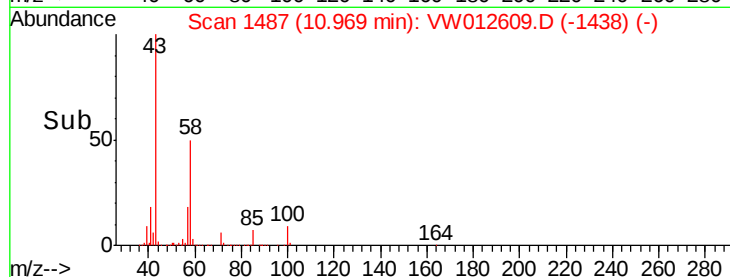
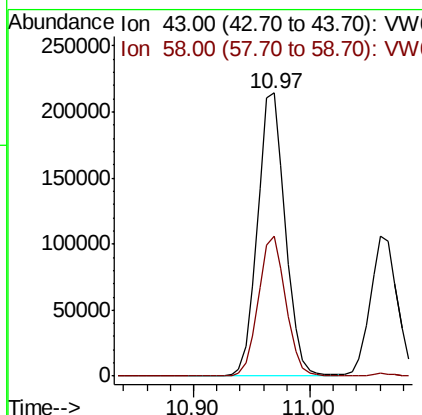
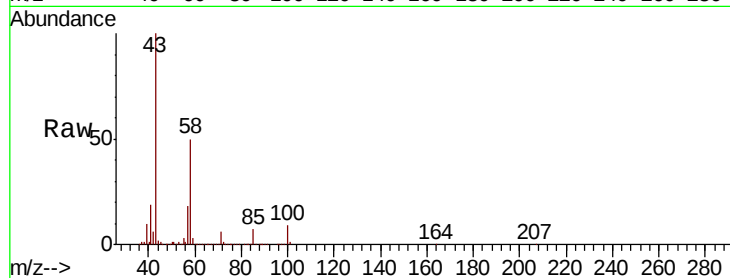




#59
2-Hexanone
Concen: 270.584 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012609.D
Acq: 05 Sep 2019 00:06

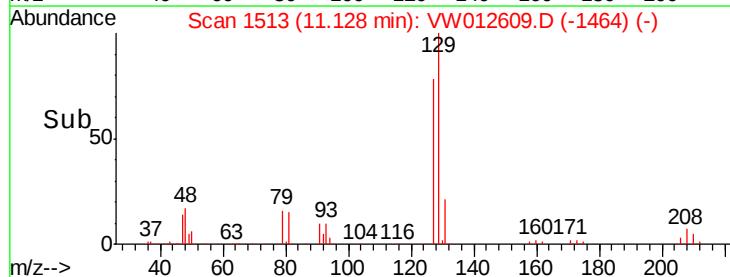
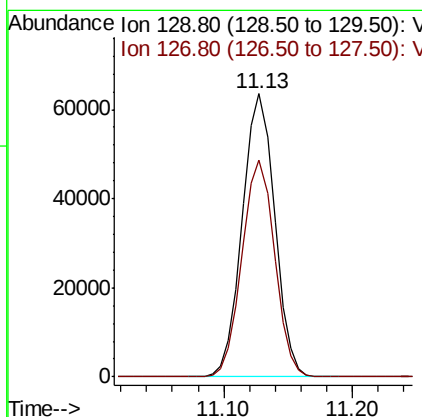
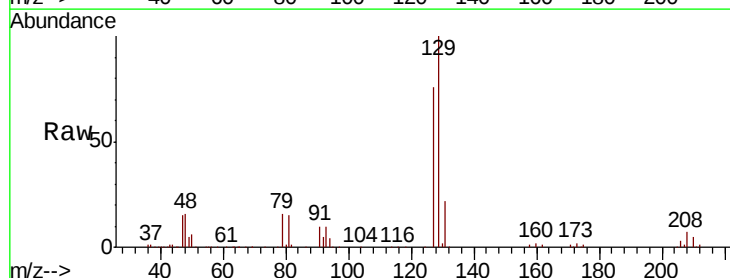
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

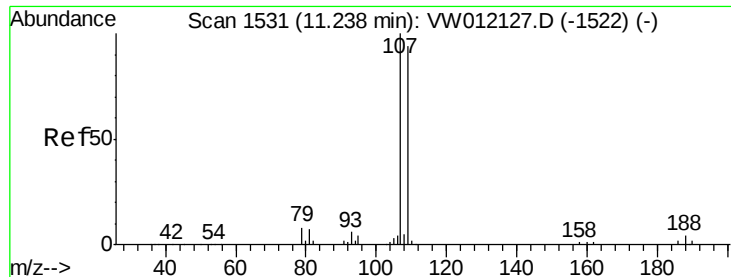
Tgt Ion: 43 Resp: 353996
Ion Ratio Lower Upper
43 100
58 49.0 24.3 72.9



#60
Dibromochloromethane
Concen: 60.055 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012609.D
Acq: 05 Sep 2019 00:06

Tgt Ion: 129 Resp: 110824
Ion Ratio Lower Upper
129 100
127 77.0 38.6 115.8

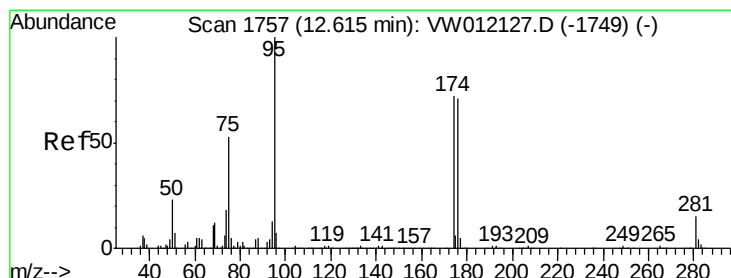
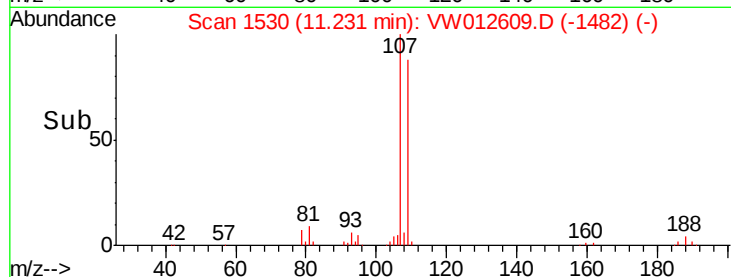
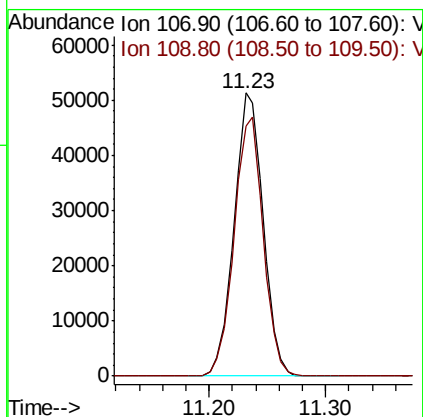
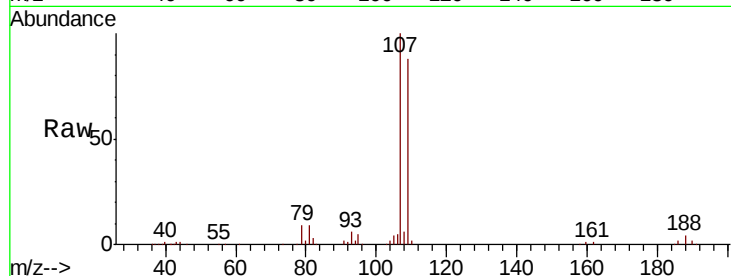




#61
 1,2-Dibromoethane
 Concen: 57.812 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW012609.D
 Acq: 05 Sep 2019 00:06

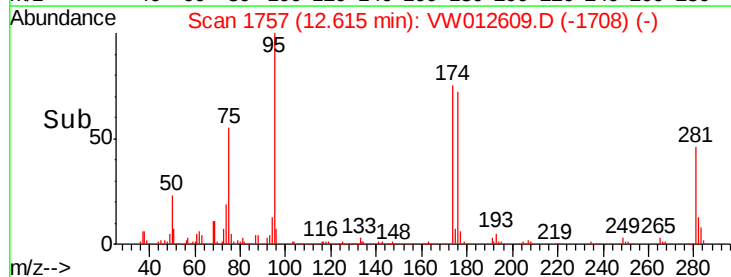
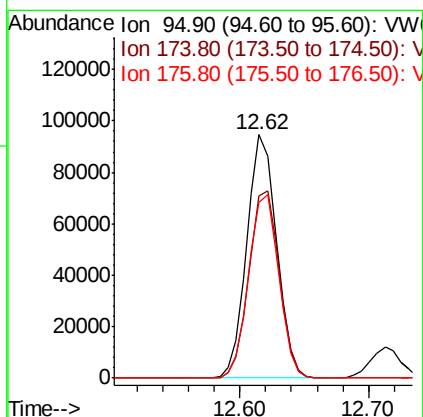
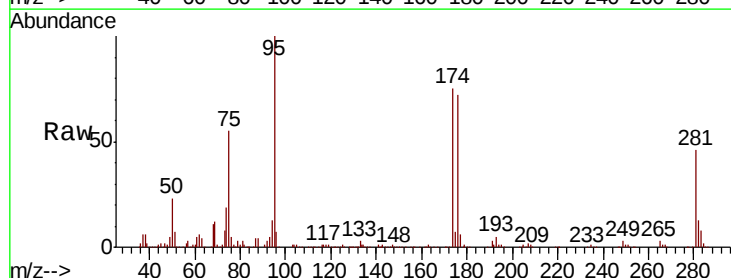
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

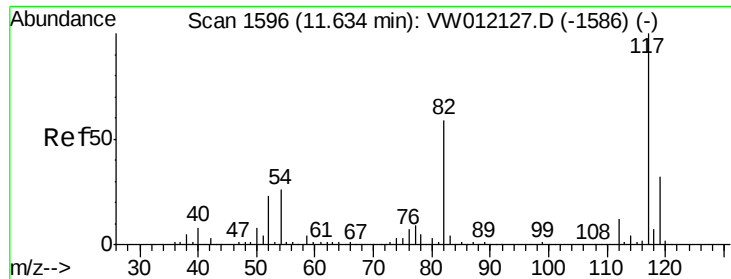
Tgt Ion: 107 Resp: 89234
 Ion Ratio Lower Upper
 107 100
 109 91.7 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 50.960 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012609.D
 Acq: 05 Sep 2019 00:06

Tgt Ion: 95 Resp: 150673
 Ion Ratio Lower Upper
 95 100
 174 78.5 0.0 150.8
 176 76.4 0.0 148.6

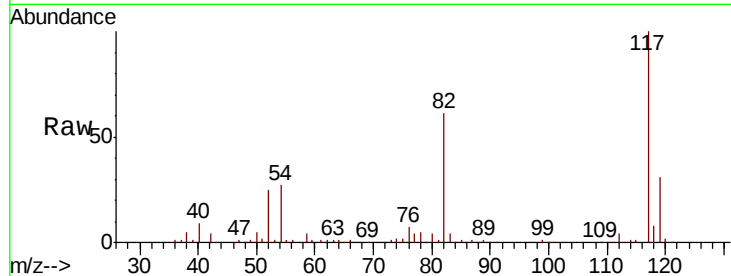




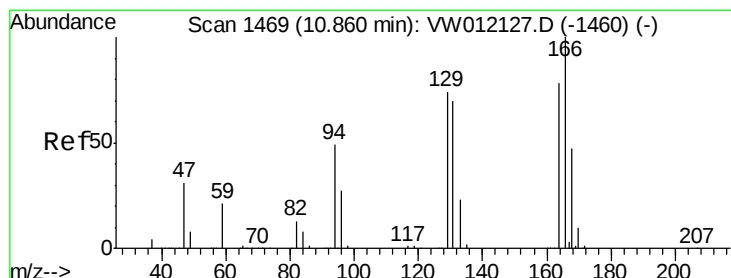
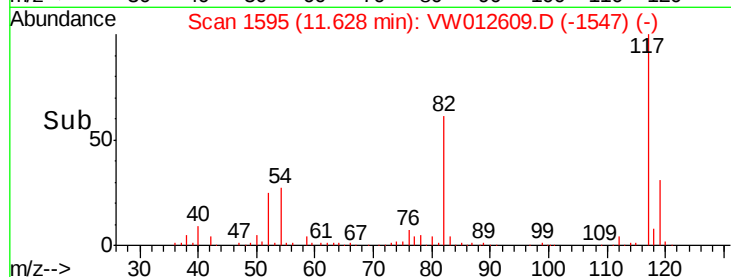
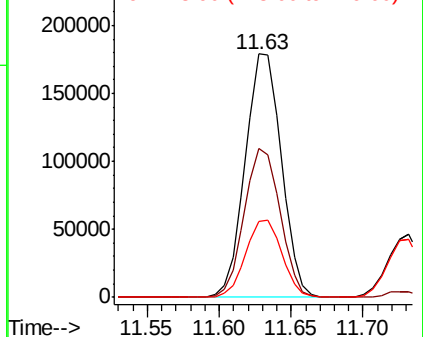
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012609.D
Acq: 05 Sep 2019 00:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 311329
Ion Ratio Lower Upper
117 100
82 61.0 47.4 71.2
119 30.9 25.4 38.2



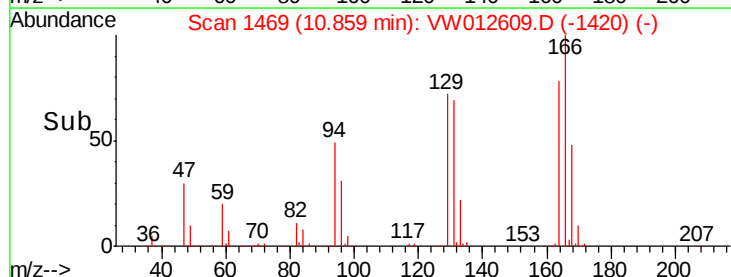
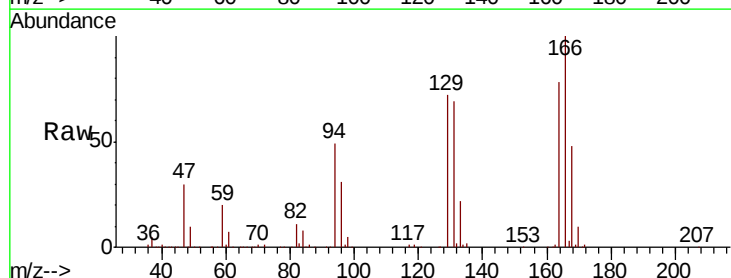
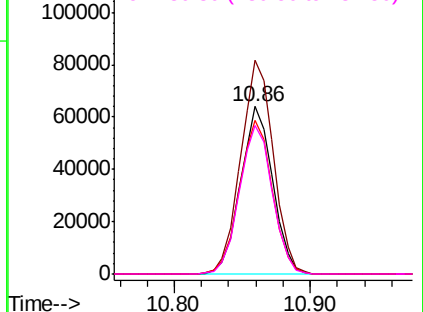
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

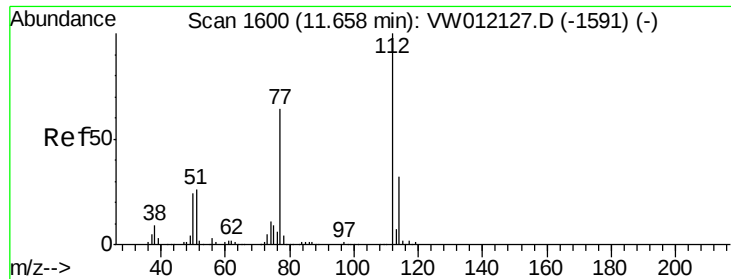


#64
Tetrachloroethene
Concen: 52.300 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012609.D
Acq: 05 Sep 2019 00:06

Tgt Ion:164 Resp: 105565
Ion Ratio Lower Upper
164 100
166 127.8 102.4 153.6
129 92.2 75.8 113.6
131 88.8 71.4 107.2

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: 52.200 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW012609.D

Acq: 05 Sep 2019 00:06

Instrument :

MSVOA_W

ClientSampleId :

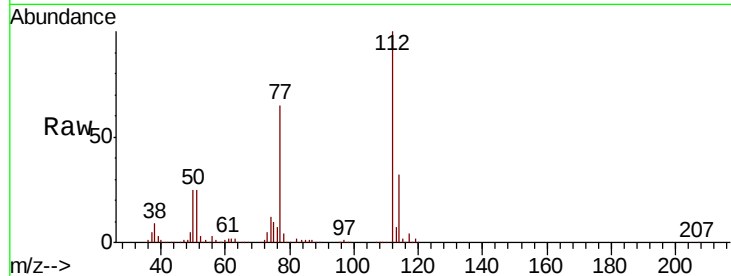
VSTDCCC050

Tgt Ion:112 Resp: 320002

Ion Ratio Lower Upper

112 100

114 32.1 25.8 38.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.66

200000

150000

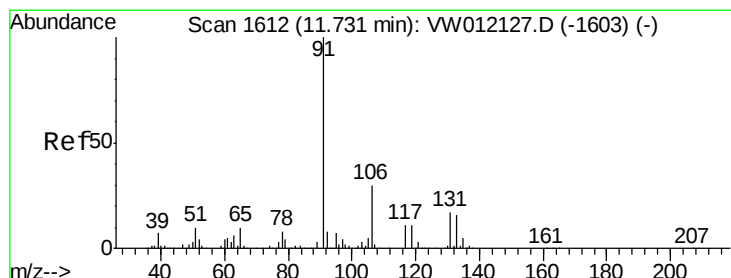
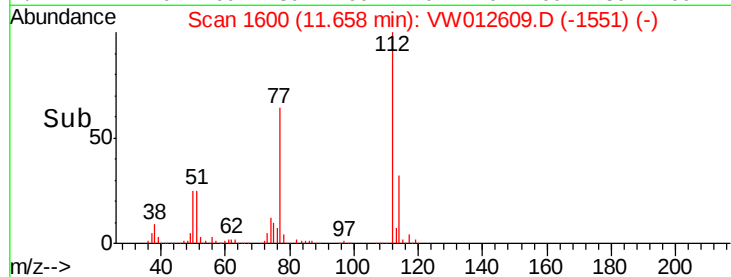
100000

50000

0

Time-->

11.60 11.70



#66

1,1,1,2-Tetrachloroethane

Concen: 56.636 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW012609.D

Acq: 05 Sep 2019 00:06

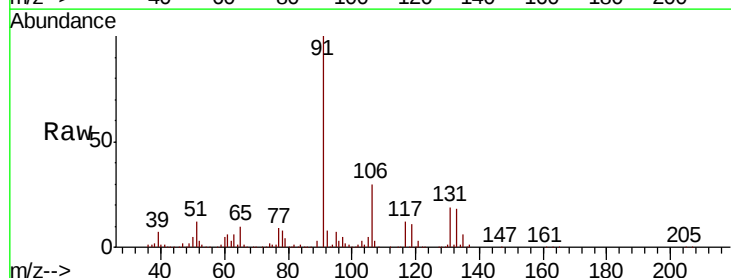
Tgt Ion:131 Resp: 121123

Ion Ratio Lower Upper

131 100

133 94.9 47.1 141.3

119 60.4 31.8 95.3



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.73

100000

80000

60000

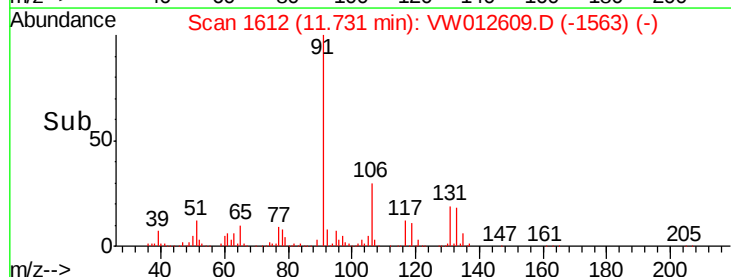
40000

20000

0

Time-->

11.65 11.75 11.80

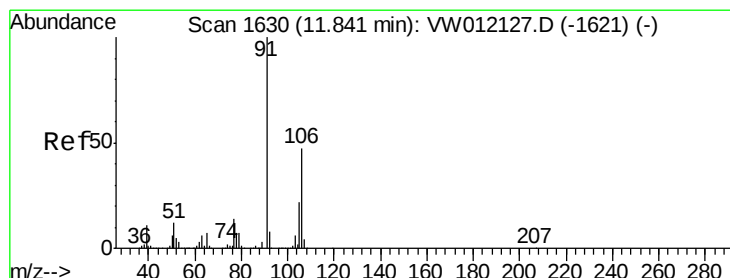
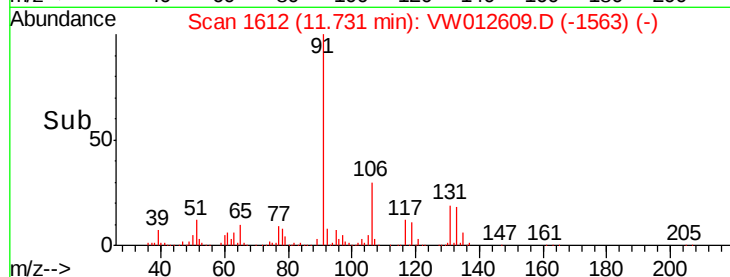
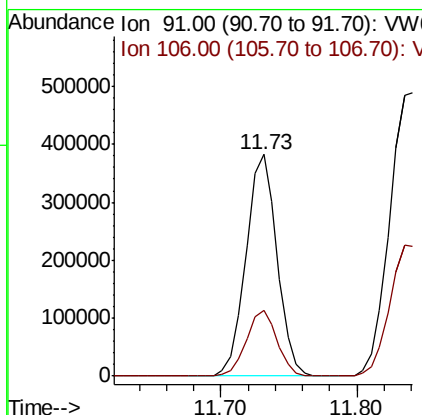
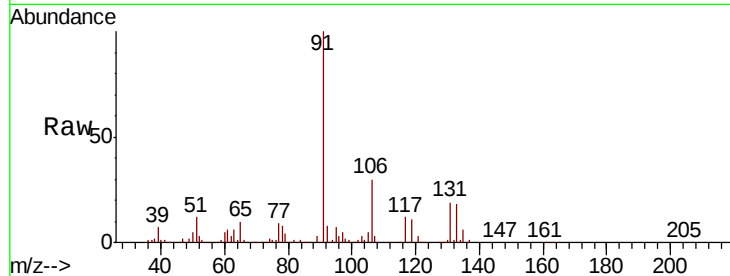




#67
Ethyl Benzene
Concen: 51.679 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012609.D
Acq: 05 Sep 2019 00:06

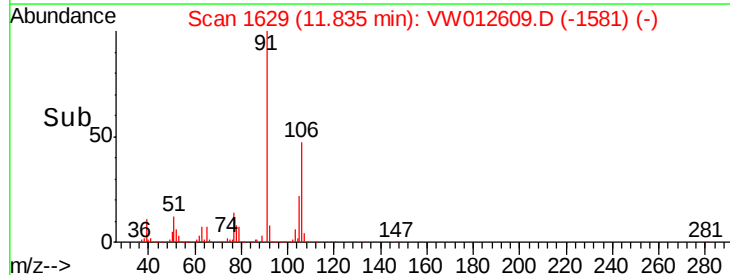
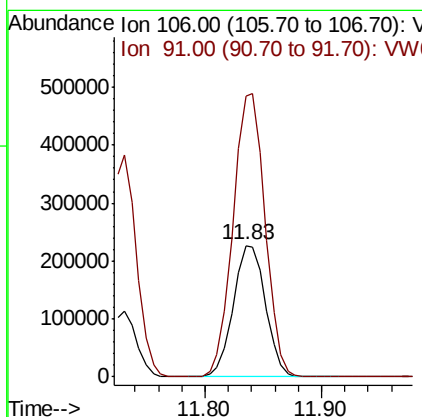
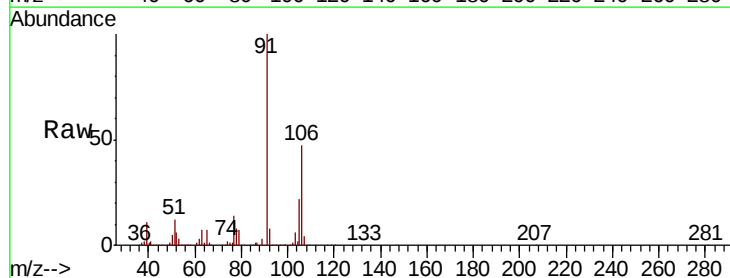
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

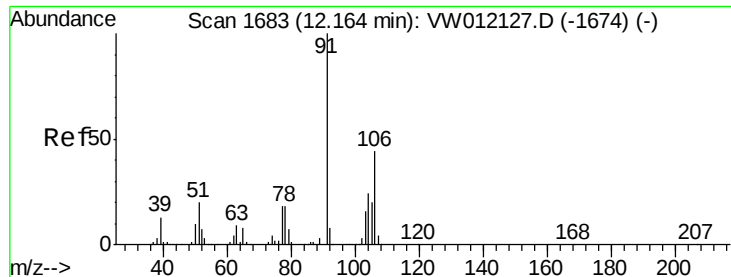
Tgt Ion: 91 Resp: 610280
Ion Ratio Lower Upper
91 100
106 29.6 24.3 36.5



#68
m/p-Xylenes
Concen: 102.628 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW012609.D
Acq: 05 Sep 2019 00:06

Tgt Ion: 106 Resp: 436556
Ion Ratio Lower Upper
106 100
91 213.9 169.5 254.3

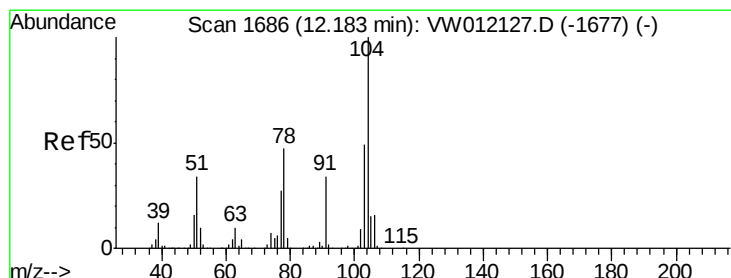
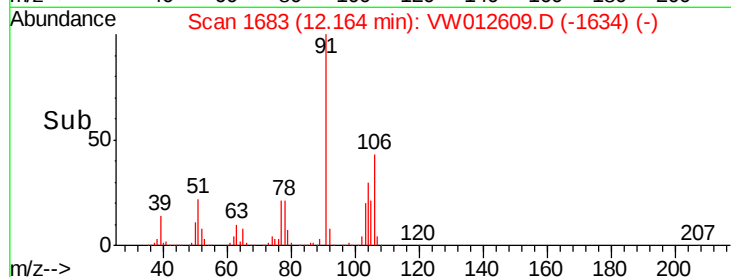
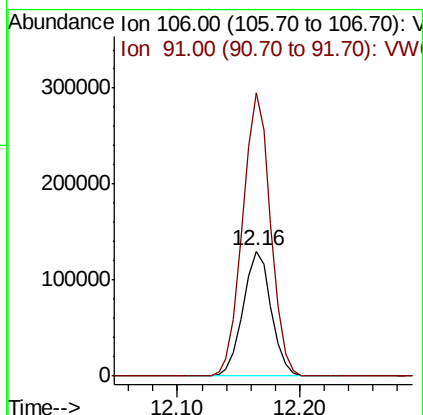
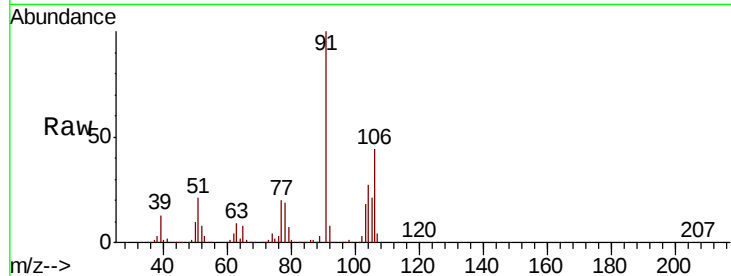




#69
o-Xylene
Concen: 52.627 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012609.D
Acq: 05 Sep 2019 00:06

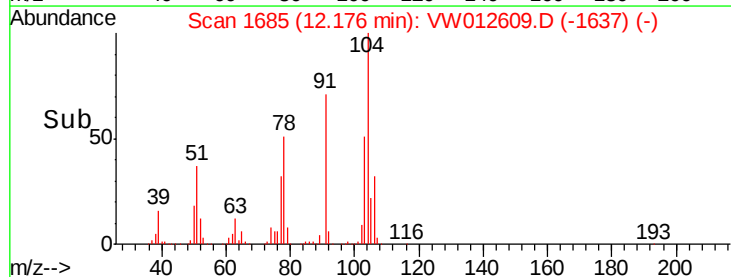
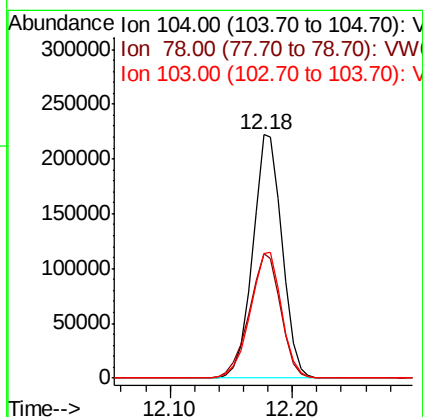
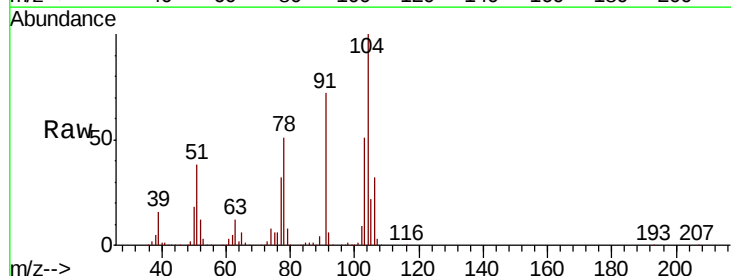
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

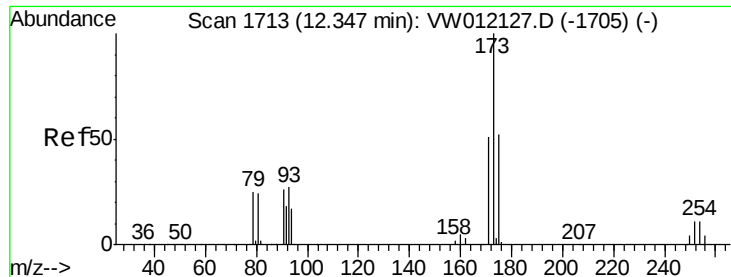
Tgt Ion:106 Resp: 207192
Ion Ratio Lower Upper
106 100
91 225.9 111.6 334.6



#70
Styrene
Concen: 54.430 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW012609.D
Acq: 05 Sep 2019 00:06

Tgt Ion:104 Resp: 370917
Ion Ratio Lower Upper
104 100
78 54.8 43.1 64.7
103 54.7 43.5 65.3





#71

Bromoform

Concen: 59.136 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012609.D

Acq: 05 Sep 2019 00:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

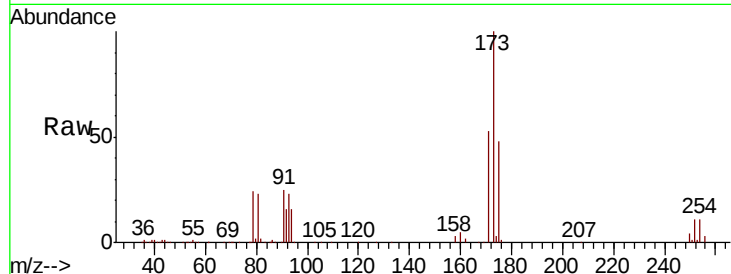
Tgt Ion:173 Resp: 63011

Ion Ratio Lower Upper

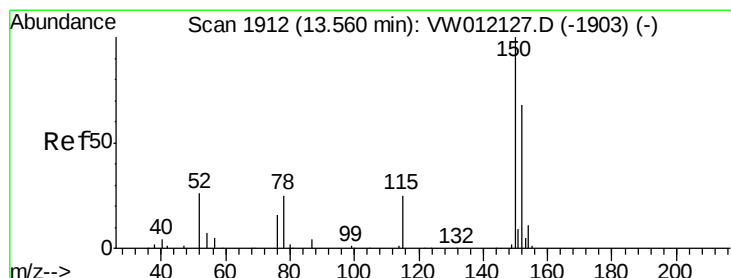
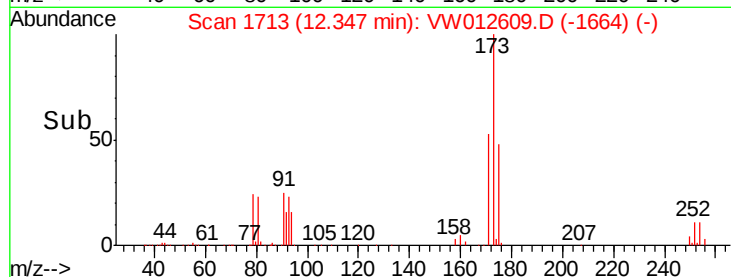
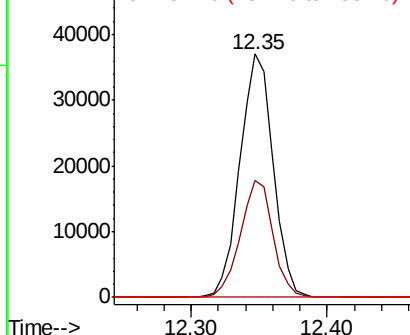
173 100

175 47.4 24.6 74.0

254 0.1 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW012609.D

Acq: 05 Sep 2019 00:06

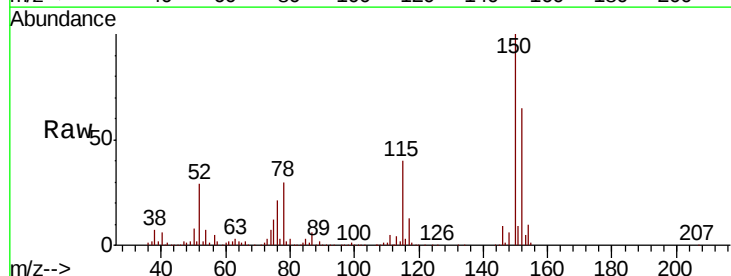
Tgt Ion:152 Resp: 152756

Ion Ratio Lower Upper

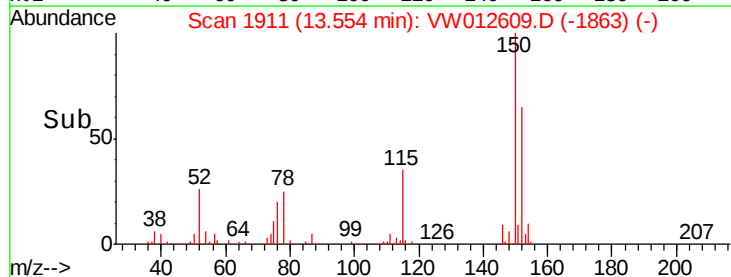
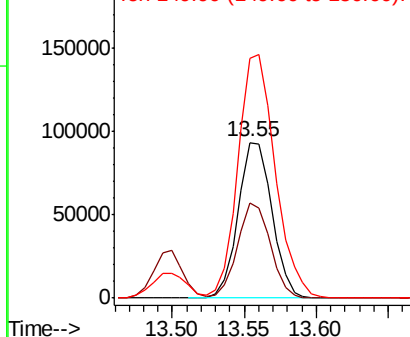
152 100

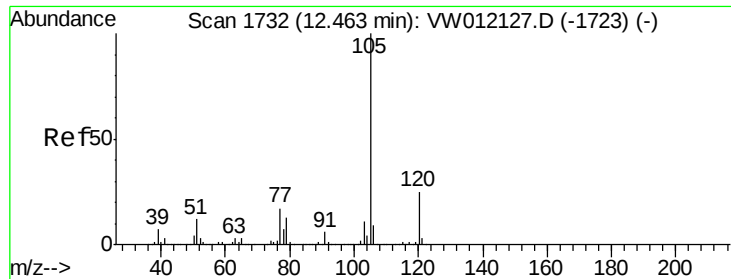
115 59.7 30.1 90.3

150 171.6 0.0 345.8



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





#73

Isopropylbenzene

Concen: 50.958 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012609.D

Acq: 05 Sep 2019 00:06

Instrument :

MSVOA_W

ClientSampleId :

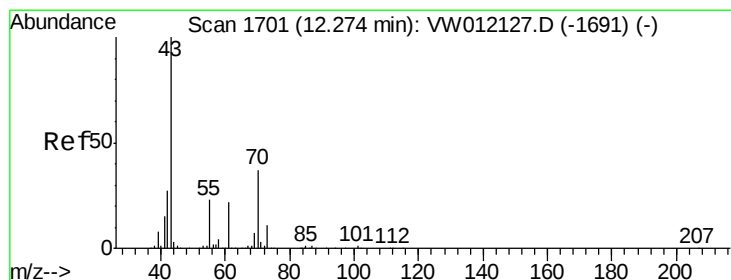
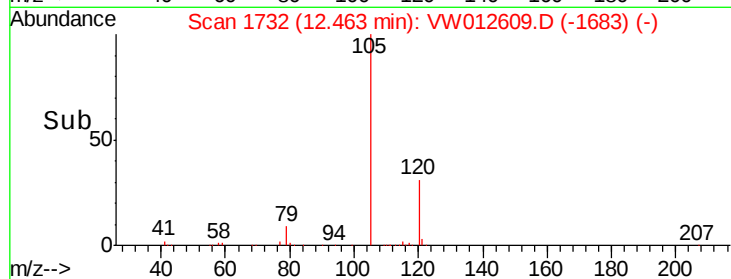
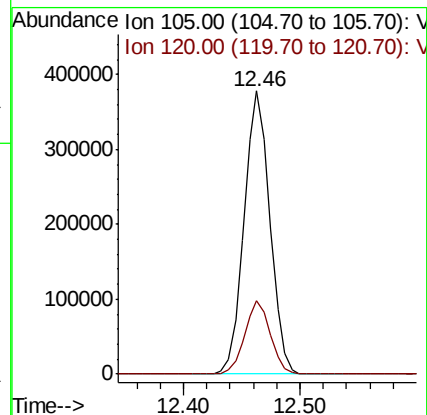
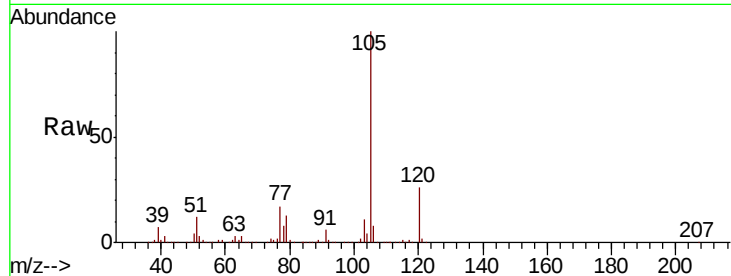
VSTDCCC050

Tgt Ion:105 Resp: 583279

Ion Ratio Lower Upper

105 100

120 25.5 12.5 37.5



#74

N-ethyl acetate

Concen: 52.999 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012609.D

Acq: 05 Sep 2019 00:06

Tgt Ion: 43 Resp: 183282

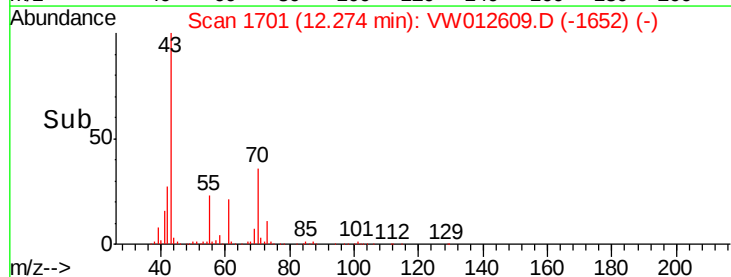
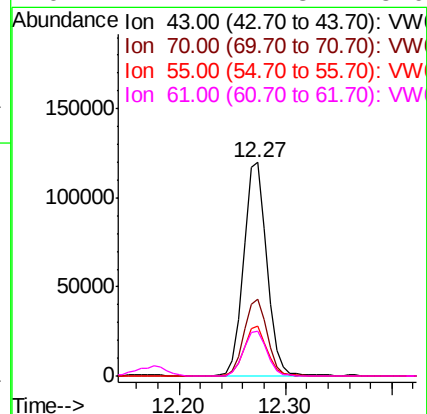
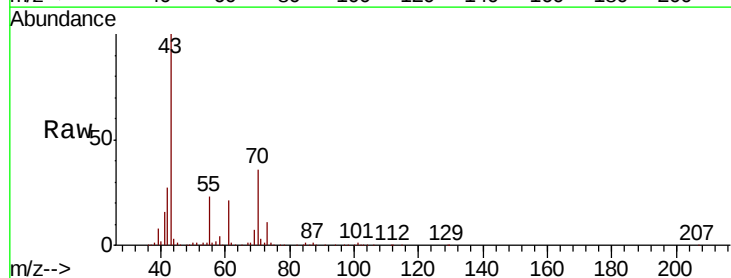
Ion Ratio Lower Upper

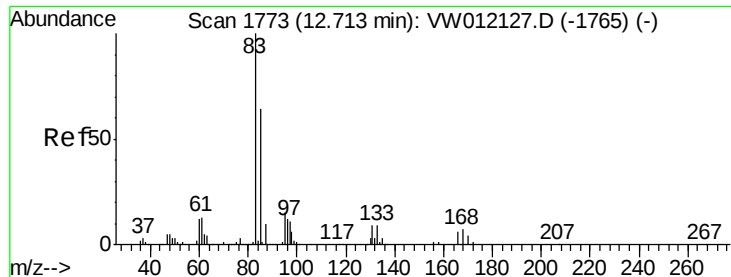
43 100

70 35.9 28.6 43.0

55 23.0 17.8 26.6

61 21.4 17.3 25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 53.262 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012609.D

Acq: 05 Sep 2019 00:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

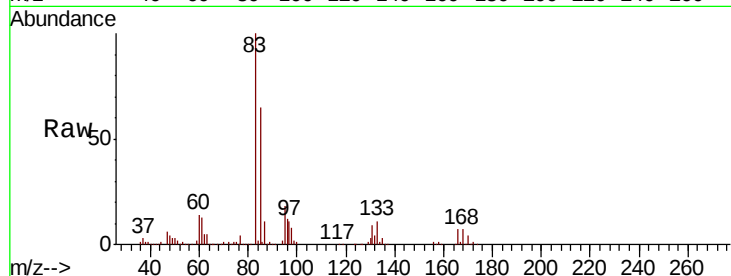
Tgt Ion: 83 Resp: 111766

Ion Ratio Lower Upper

83 100

131 10.0 4.9 14.7

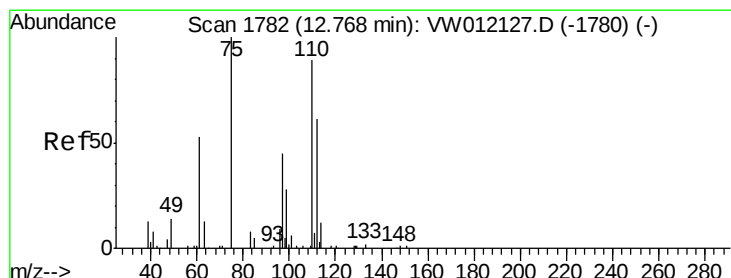
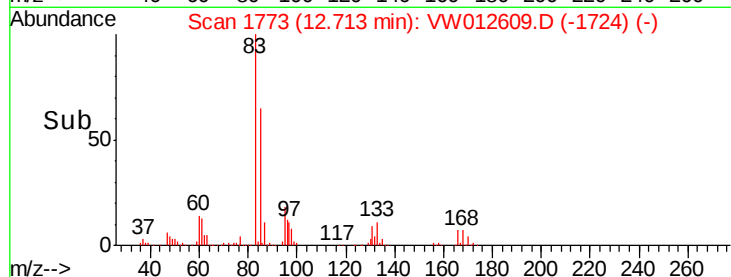
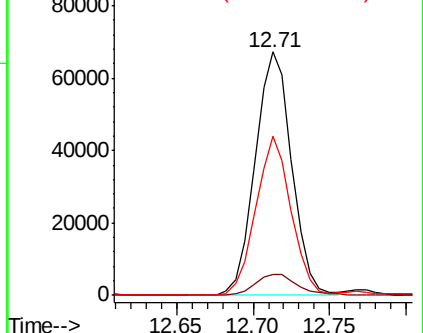
85 62.9 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 100.269 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW012609.D

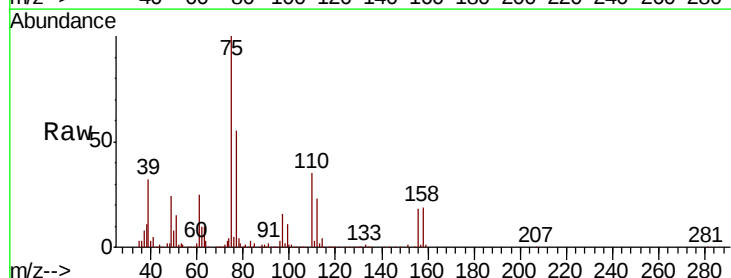
Acq: 05 Sep 2019 00:06

Tgt Ion: 75 Resp: 149173

Ion Ratio Lower Upper

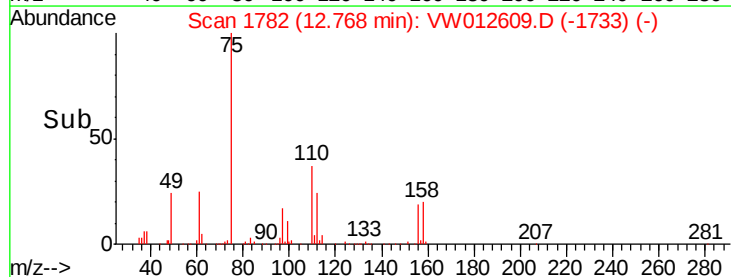
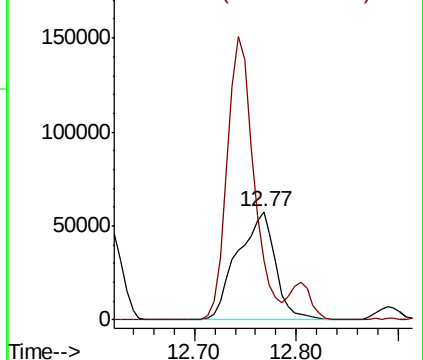
75 100

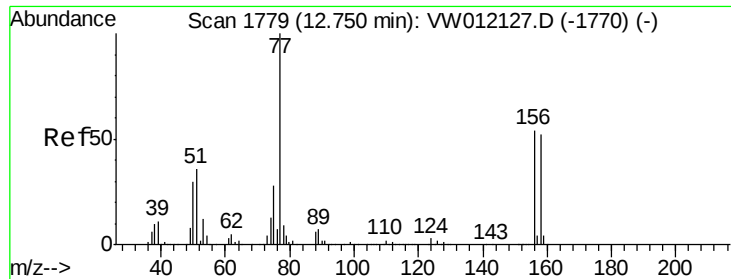
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 53.475 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW012609.D

Acq: 05 Sep 2019 00:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

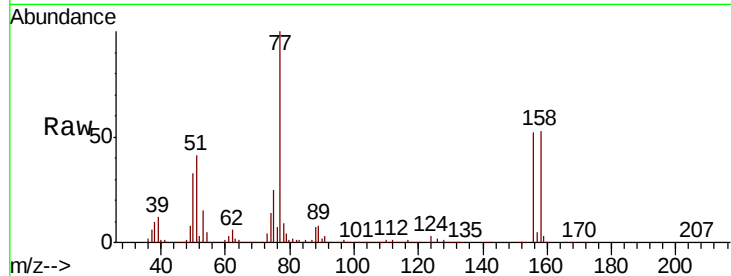
Tgt Ion:156 Resp: 132419

Ion Ratio Lower Upper

156 100

77 207.6 107.3 321.8

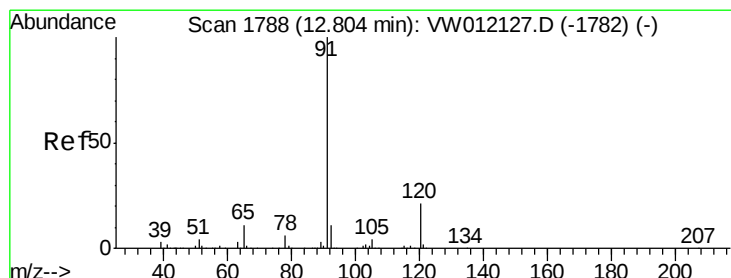
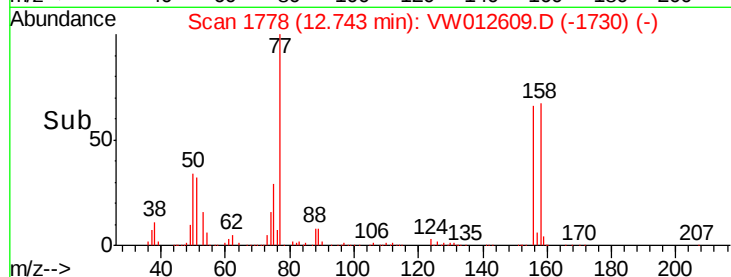
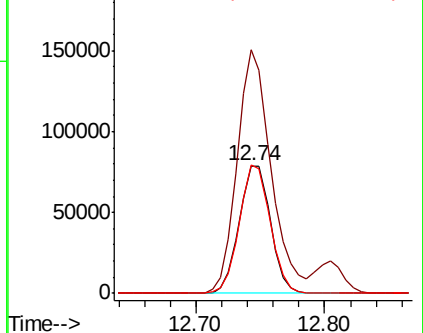
158 98.9 49.0 147.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.158 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012609.D

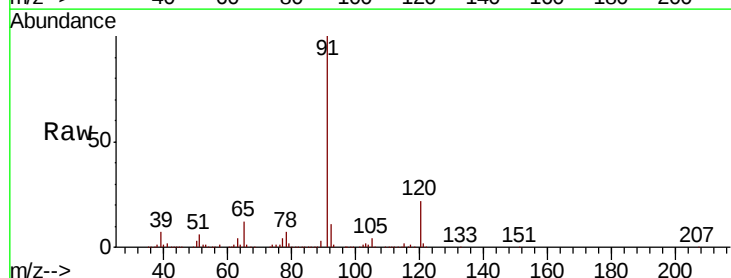
Acq: 05 Sep 2019 00:06

Tgt Ion: 91 Resp: 700887

Ion Ratio Lower Upper

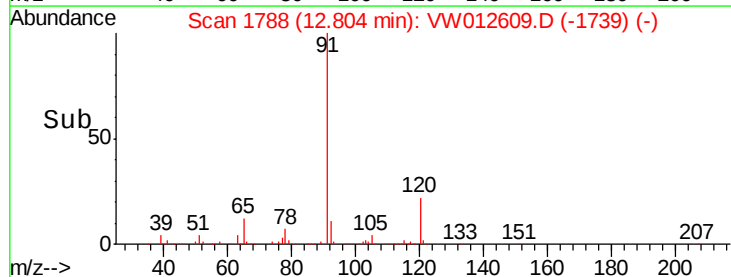
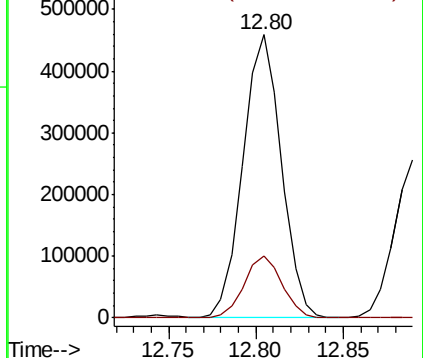
91 100

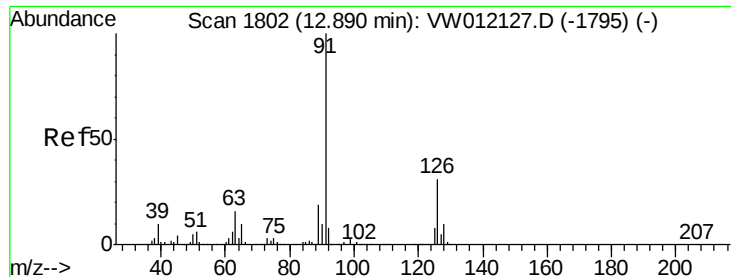
120 21.6 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.722 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012609.D

Acq: 05 Sep 2019 00:06

Instrument :

MSVOA_W

ClientSampleId :

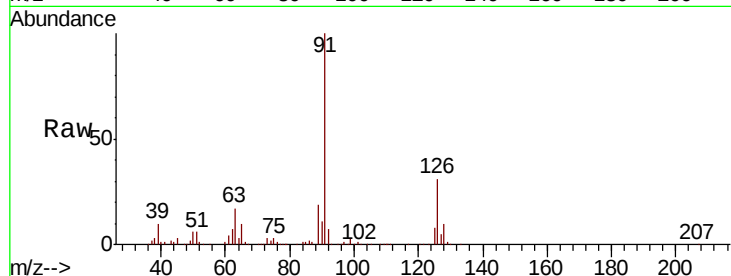
VSTDCCC050

Tgt Ion: 91 Resp: 410329

Ion Ratio Lower Upper

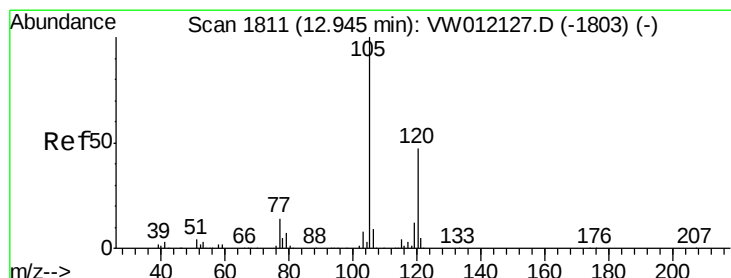
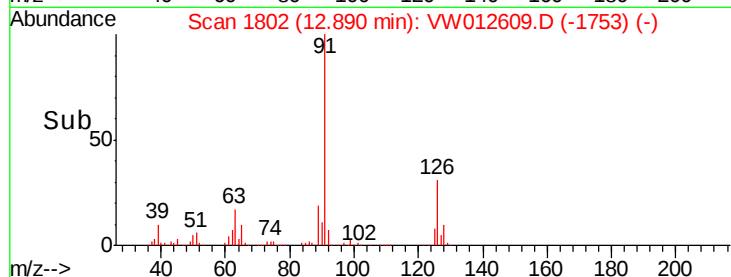
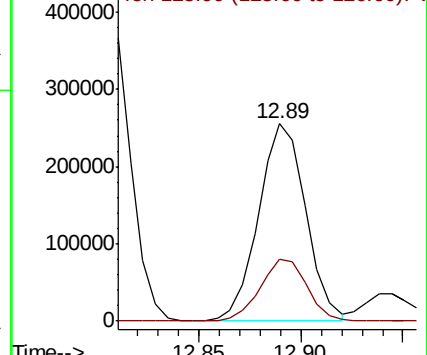
91 100

126 31.4 15.7 47.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 52.253 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012609.D

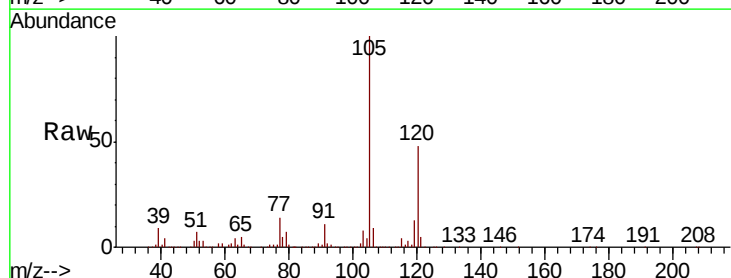
Acq: 05 Sep 2019 00:06

Tgt Ion: 105 Resp: 499767

Ion Ratio Lower Upper

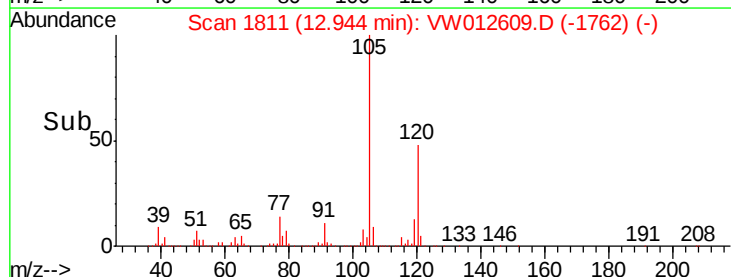
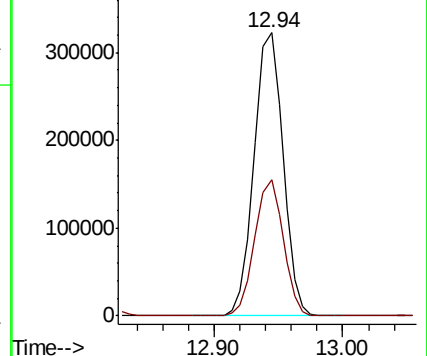
105 100

120 47.6 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 52.704 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW012609.D

Acq: 05 Sep 2019 00:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

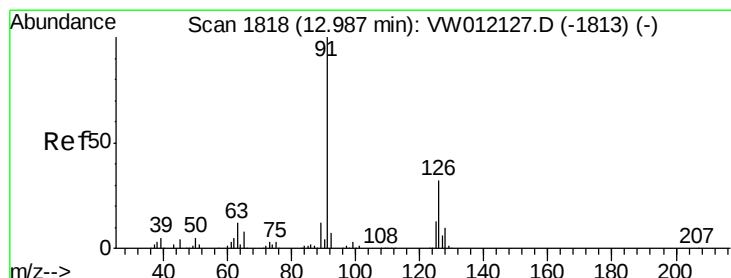
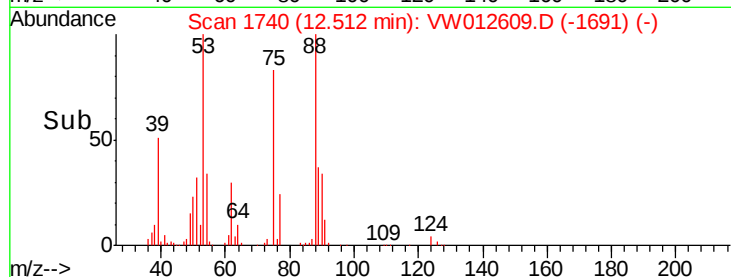
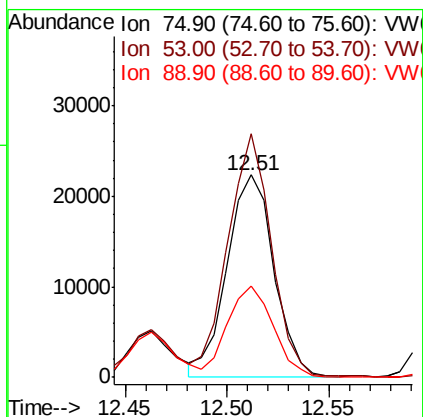
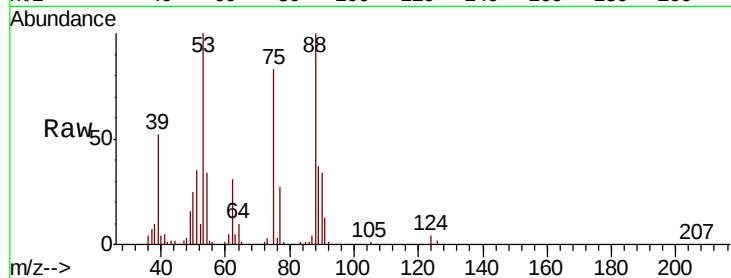
Tgt Ion: 75 Resp: 35762

Ion Ratio Lower Upper

75 100

53 112.1 89.4 134.0

89 43.6 34.5 51.7



#82

4-Chlorotoluene

Concen: 51.787 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW012609.D

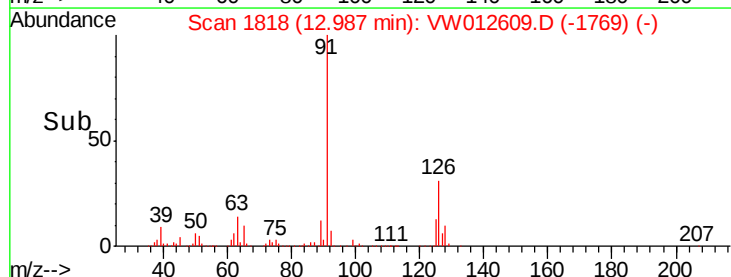
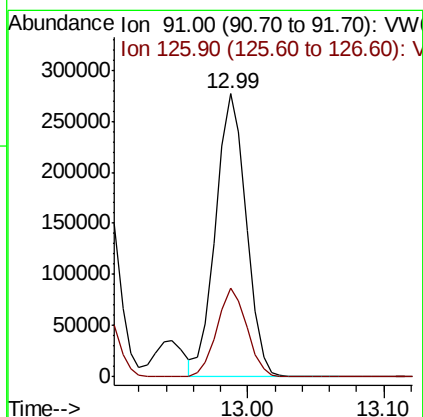
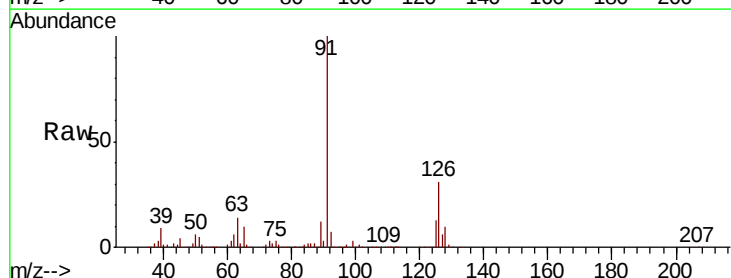
Acq: 05 Sep 2019 00:06

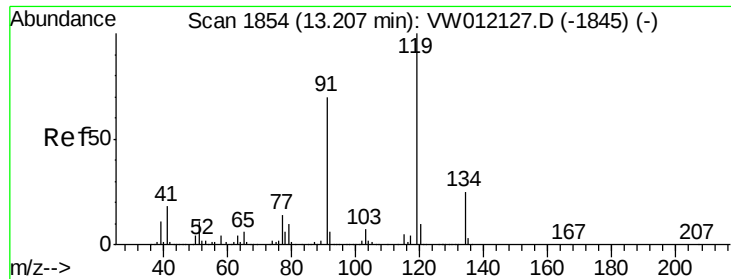
Tgt Ion: 91 Resp: 430189

Ion Ratio Lower Upper

91 100

126 30.7 15.6 46.8

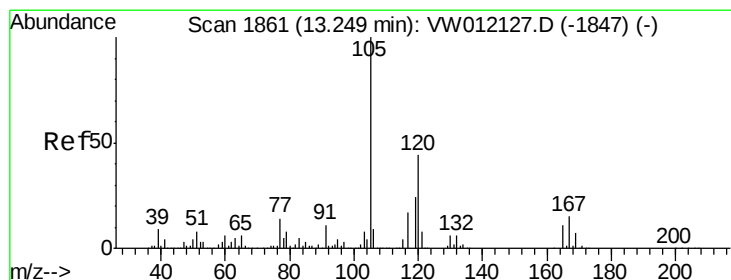
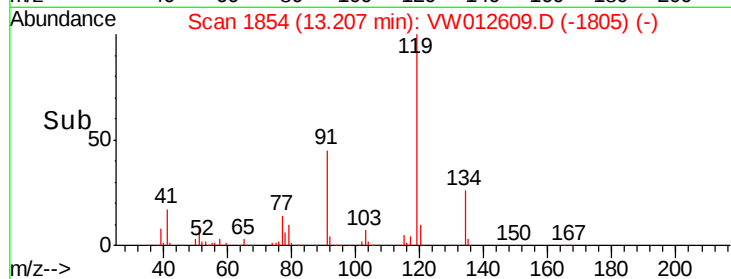
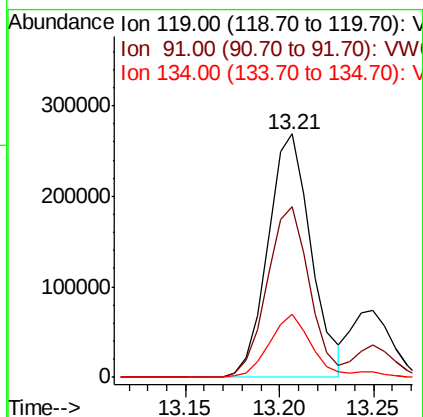
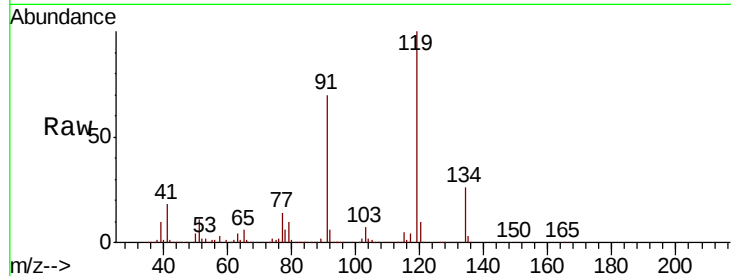




#83
 tert-Butylbenzene
 Concen: 52.759 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW012609.D
 Acq: 05 Sep 2019 00:06

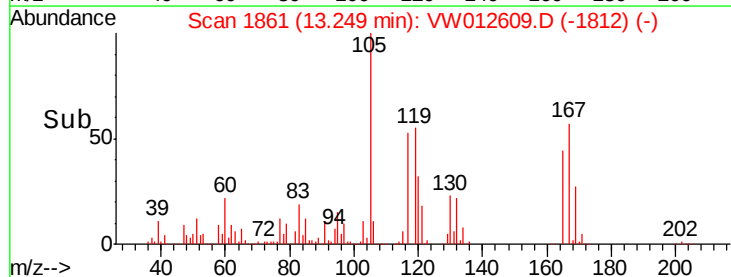
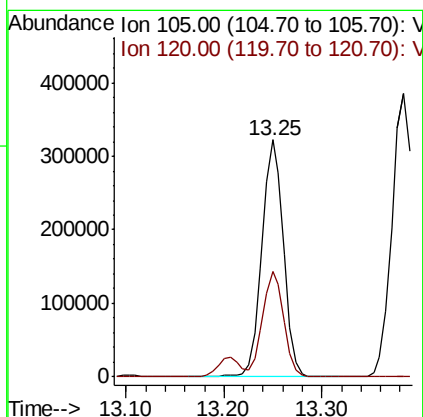
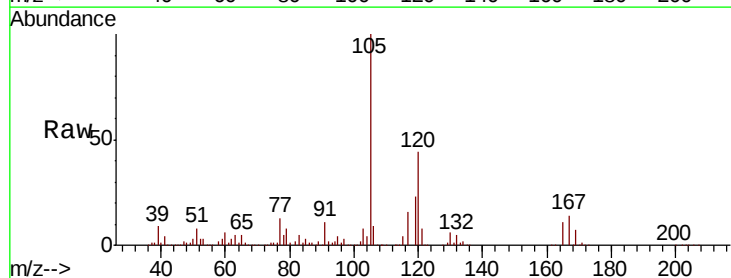
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

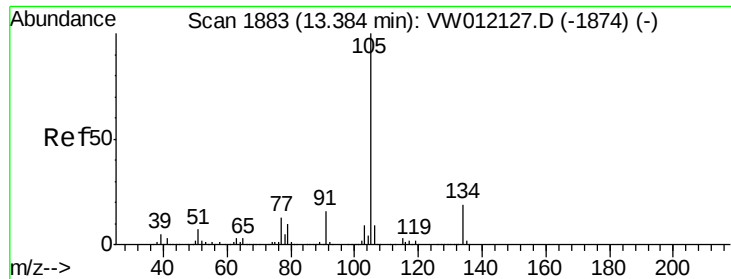
Tgt Ion:119 Resp: 427444
 Ion Ratio Lower Upper
 119 100
 91 68.7 34.8 104.3
 134 25.0 13.3 39.8



#84
 1,2,4-Trimethylbenzene
 Concen: 51.763 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW012609.D
 Acq: 05 Sep 2019 00:06

Tgt Ion:105 Resp: 497324
 Ion Ratio Lower Upper
 105 100
 120 43.4 21.9 65.7

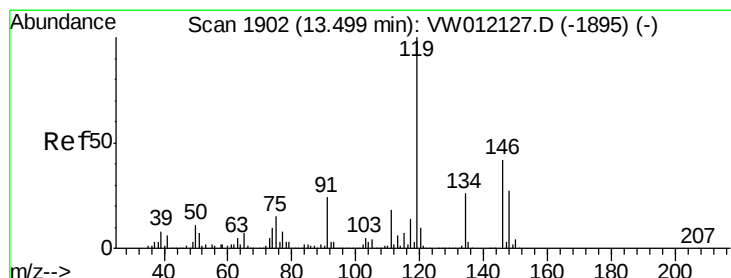
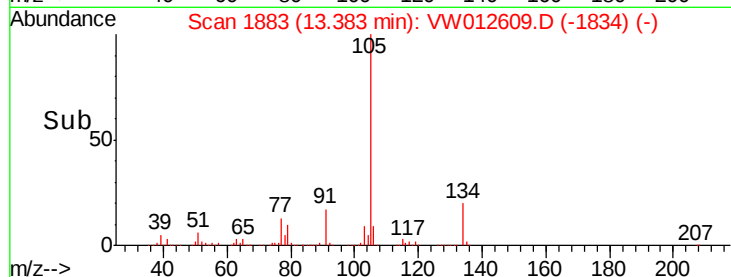
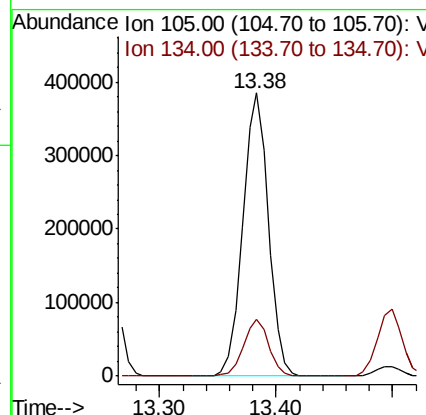
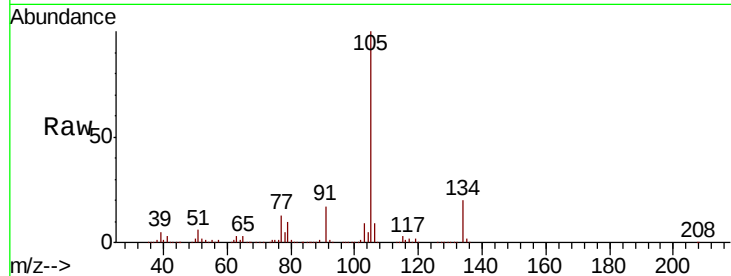




#85
 sec-Butylbenzene
 Concen: 50.592 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW012609.D
 Acq: 05 Sep 2019 00:06

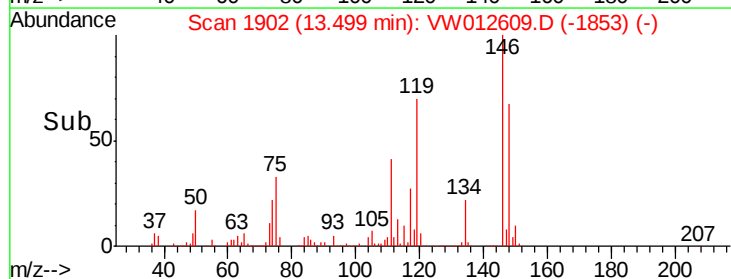
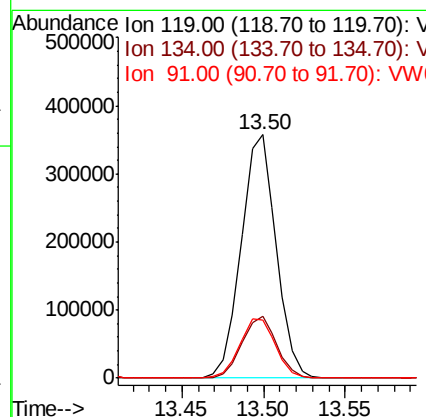
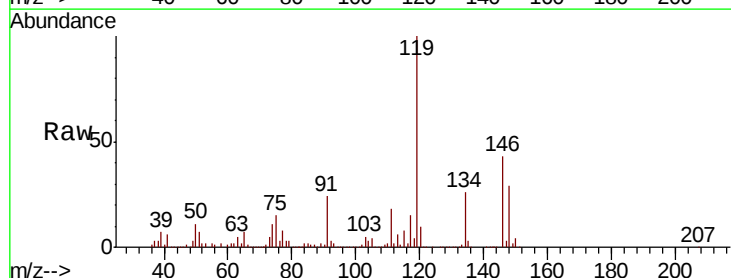
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion:105 Resp: 587245
 Ion Ratio Lower Upper
 105 100
 134 19.8 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 51.239 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012609.D
 Acq: 05 Sep 2019 00:06

Tgt Ion:119 Resp: 531151
 Ion Ratio Lower Upper
 119 100
 134 25.3 12.8 38.3
 91 24.9 12.3 36.9

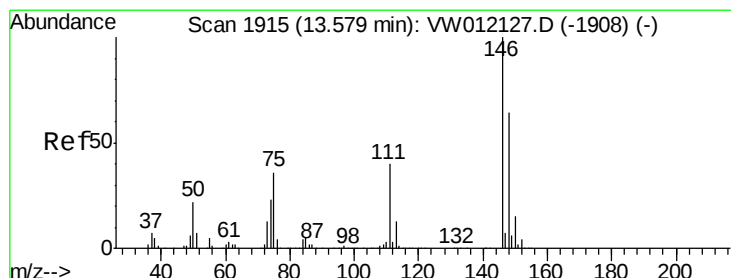
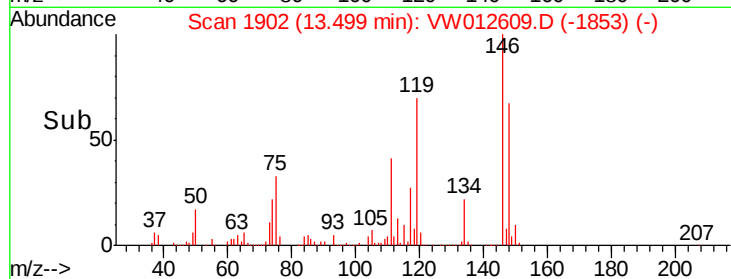
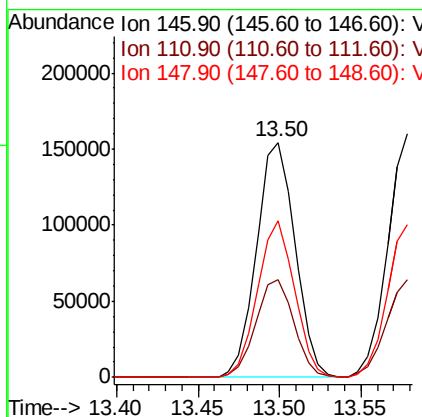
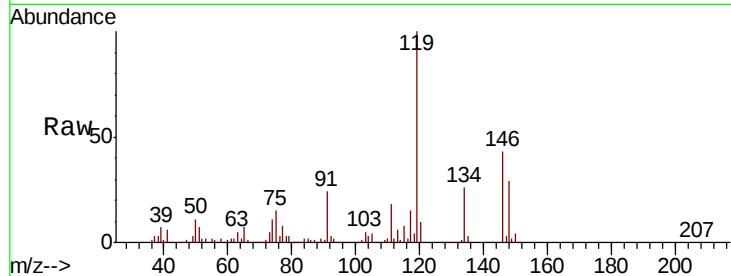




#87
 1,3-Dichlorobenzene
 Concen: 52.347 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012609.D
 Acq: 05 Sep 2019 00:06

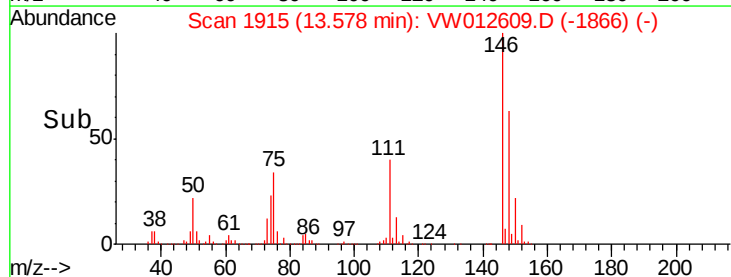
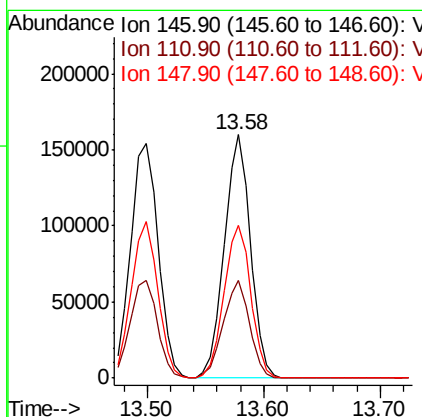
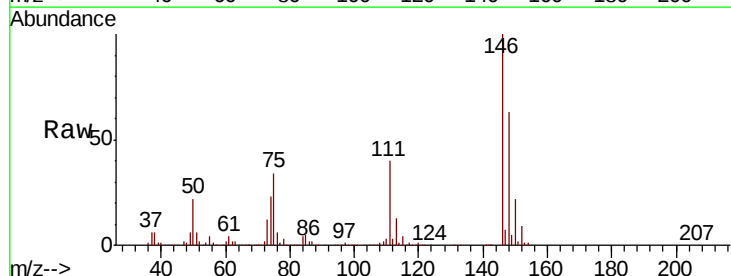
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

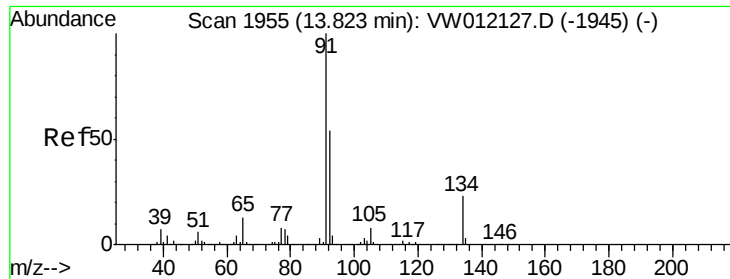
Tgt Ion:146 Resp: 253541
 Ion Ratio Lower Upper
 146 100
 111 41.1 20.9 62.7
 148 64.0 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 51.786 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW012609.D
 Acq: 05 Sep 2019 00:06

Tgt Ion:146 Resp: 249051
 Ion Ratio Lower Upper
 146 100
 111 40.3 20.0 60.0
 148 64.4 32.1 96.3





#89

n-Butylbenzene

Concen: 49.325 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW012609.D

Acq: 05 Sep 2019 00:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

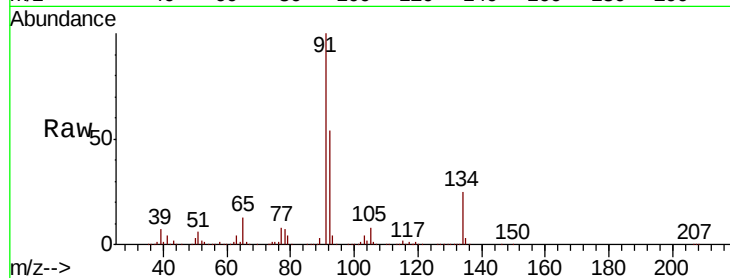
Tgt Ion: 91 Resp: 508466

Ion Ratio Lower Upper

91 100

92 53.4 27.1 81.2

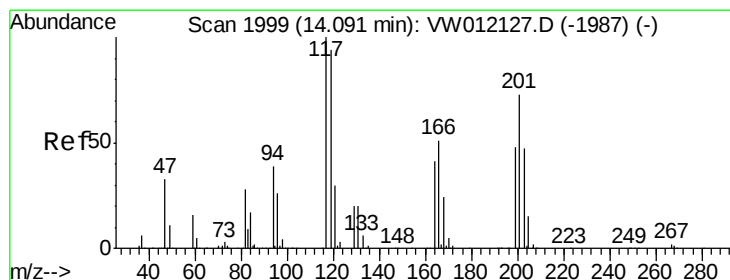
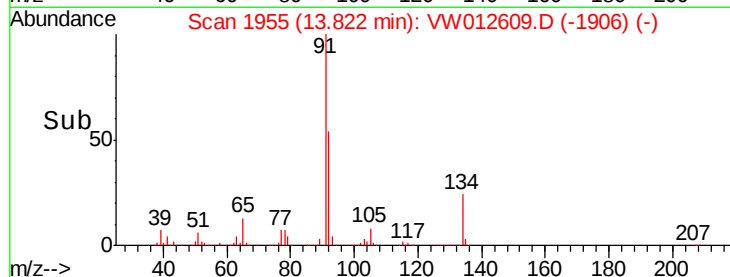
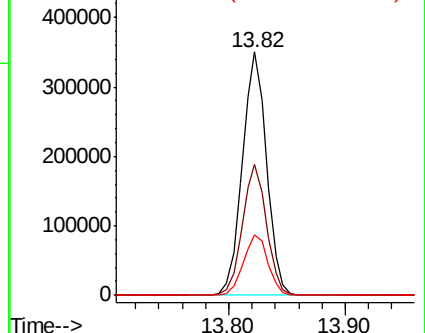
134 25.2 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 52.438 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW012609.D

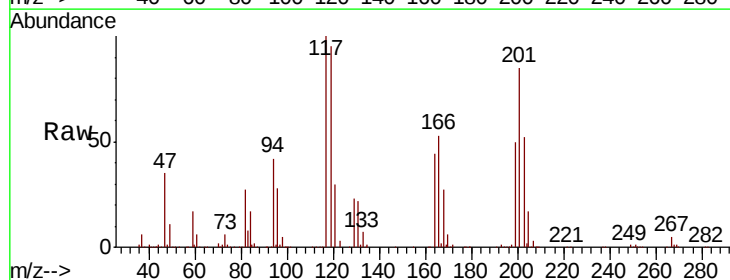
Acq: 05 Sep 2019 00:06

Tgt Ion: 117 Resp: 95369

Ion Ratio Lower Upper

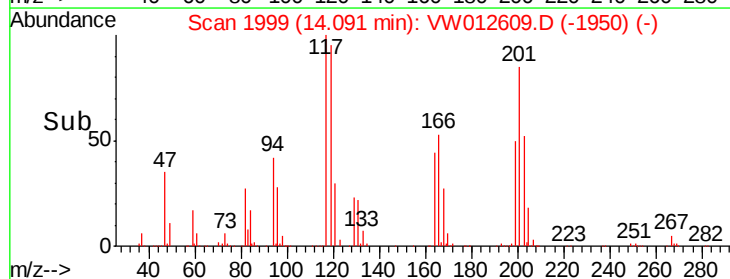
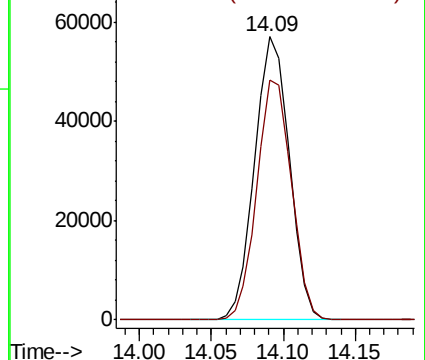
117 100

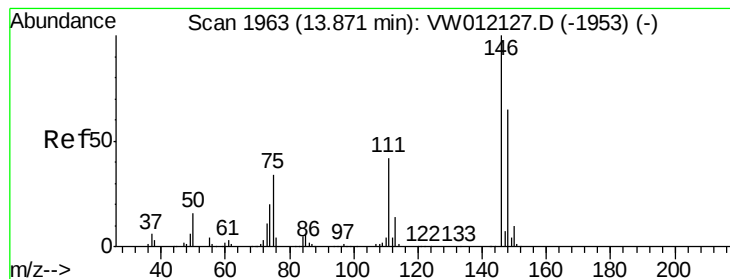
201 84.5 38.6 115.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 54.538 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW012609.D

Acq: 05 Sep 2019 00:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

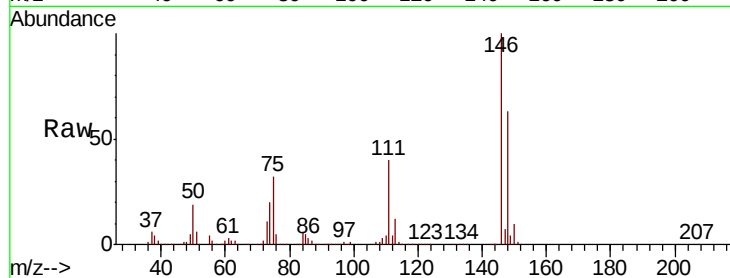
Tgt Ion:146 Resp: 231732

Ion Ratio Lower Upper

146 100

111 42.2 21.2 63.6

148 63.1 32.5 97.4

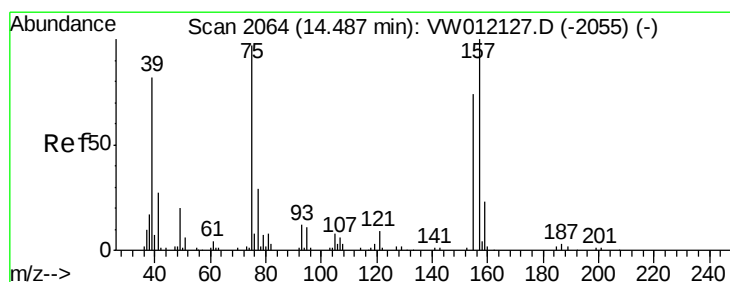
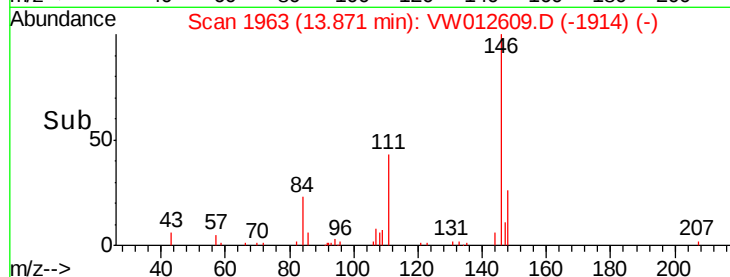
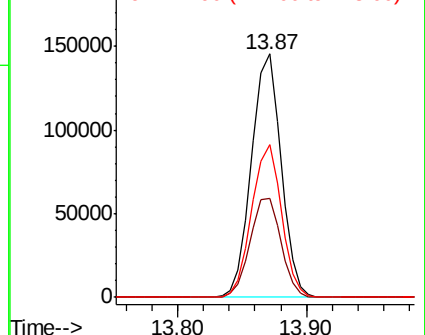


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 56.922 ug/l

RT: 14.48 min Scan# 2063

Delta R.T. -0.01 min

Lab File: VW012609.D

Acq: 05 Sep 2019 00:06

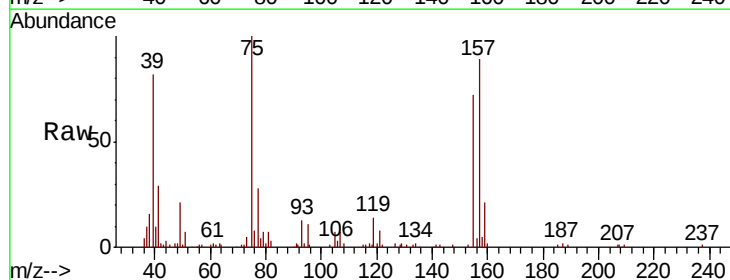
Tgt Ion: 75 Resp: 20137

Ion Ratio Lower Upper

75 100

155 74.5 37.5 112.3

157 96.2 50.5 151.5

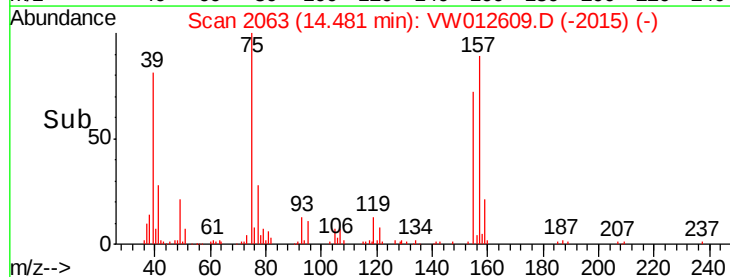
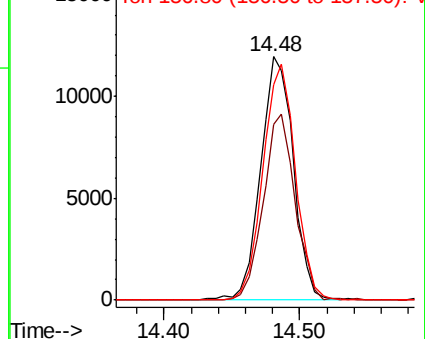


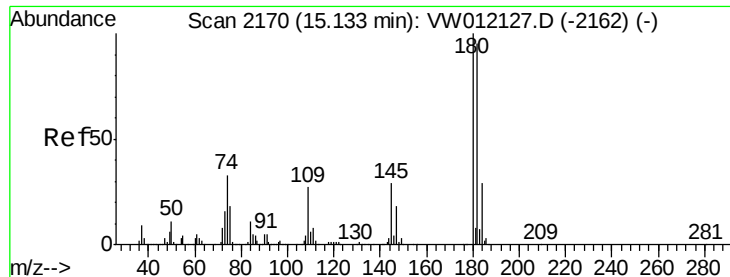
Abundance

Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

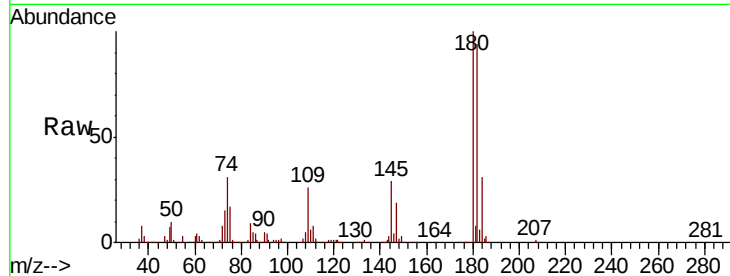




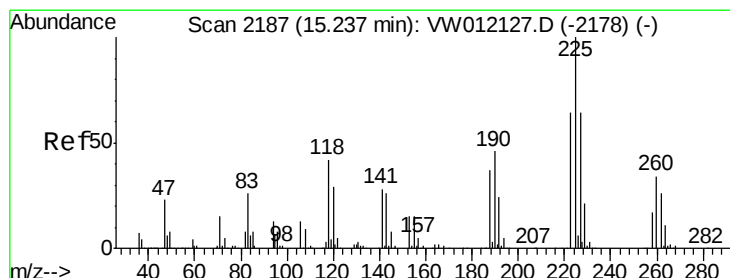
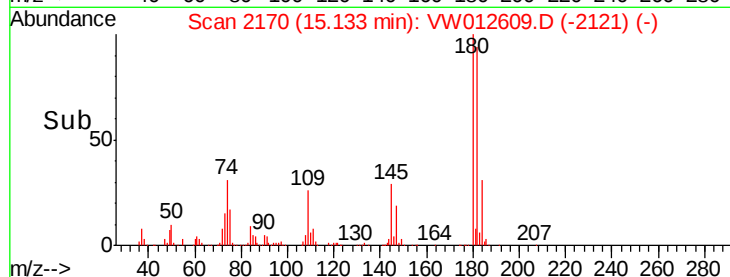
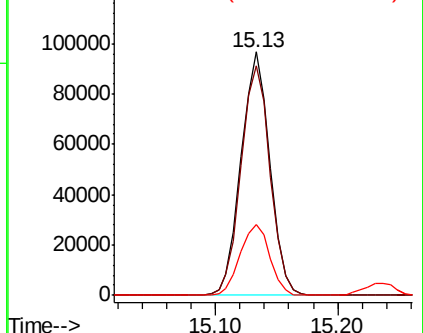
#93
 1,2,4-Trichlorobenzene
 Concen: 53.646 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012609.D
 Acq: 05 Sep 2019 00:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion:180 Resp: 157521
 Ion Ratio Lower Upper
 180 100
 182 95.7 47.8 143.4
 145 30.2 15.0 45.1

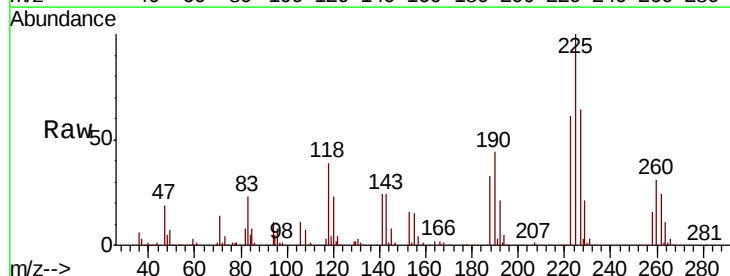


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

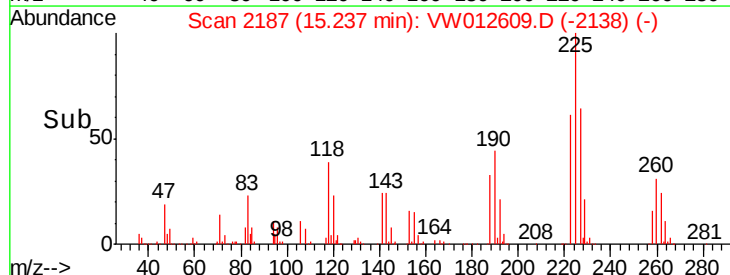
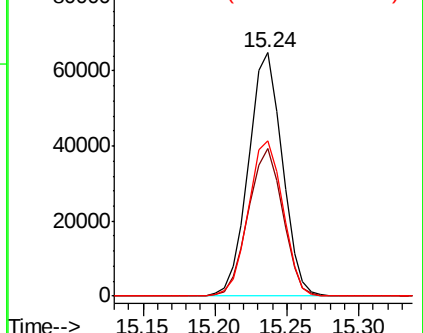


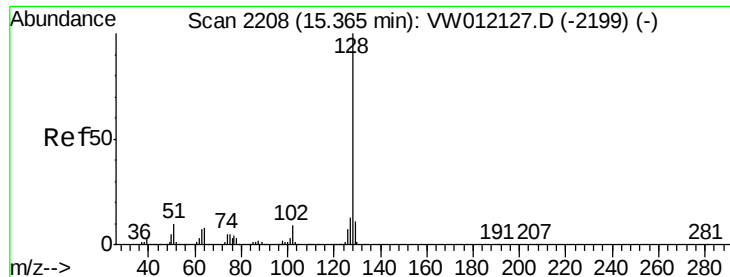
#94
 Hexachlorobutadiene
 Concen: 54.441 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012609.D
 Acq: 05 Sep 2019 00:06

Tgt Ion:225 Resp: 105552
 Ion Ratio Lower Upper
 225 100
 223 61.8 32.3 96.8
 227 65.2 32.9 98.6



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

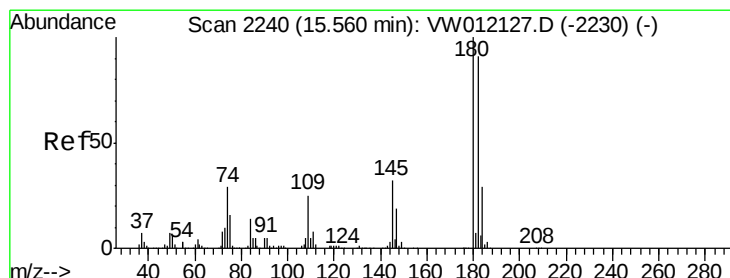
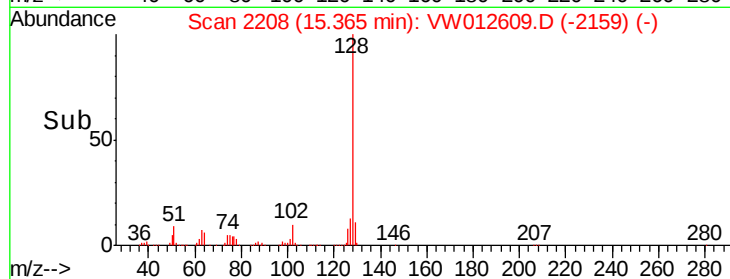
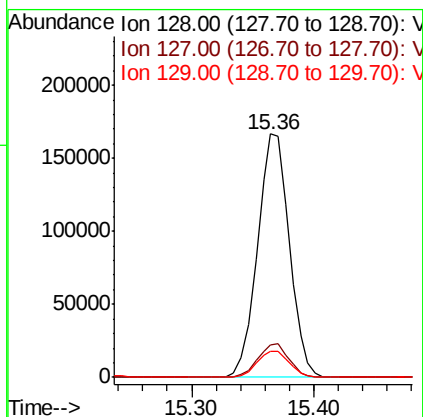
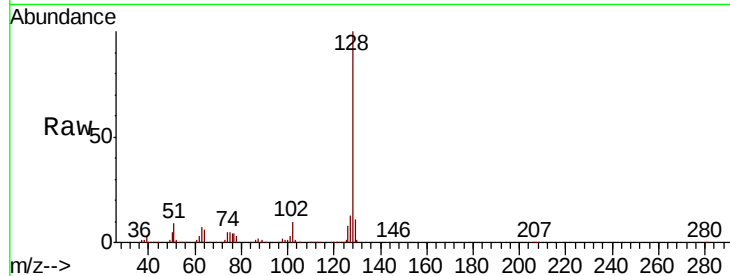




#95
Naphthalene
Concen: 52.316 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012609.D
Acq: 05 Sep 2019 00:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 302699
Ion Ratio Lower Upper
128 100
127 13.5 10.7 16.1
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 56.329 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012609.D
Acq: 05 Sep 2019 00:06

Tgt Ion:180 Resp: 144307
Ion Ratio Lower Upper
180 100
182 95.5 47.1 141.3
145 31.4 16.2 48.5

