

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082819\
 Data File : VW012268.D
 Acq On : 28 Aug 2019 22:34
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 29 06:50:06 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	242815	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	395160	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	344890	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	164615	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	145422	50.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.76%	
35) Dibromofluoromethane	7.88	113	118732	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	
50) Toluene-d8	10.32	98	482139	50.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.82%	
62) 4-Bromofluorobenzene	12.61	95	170626	50.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	73737	49.319	ug/l	94
3) Chloromethane	2.21	50	115493	49.860	ug/l	98
4) Vinyl Chloride	2.36	62	139263	49.121	ug/l	99
5) Bromomethane	2.78	94	74865	52.141	ug/l	98
6) Chloroethane	2.92	64	83157	51.995	ug/l	97
7) Trichlorofluoromethane	3.26	101	73230	51.440	ug/l	100
8) Diethyl Ether	3.68	74	70625	52.266	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	120324	49.725	ug/l	99
10) Methyl Iodide	4.27	142	172108	52.567	ug/l	98
11) Tert butyl alcohol	5.17	59	42308	243.560	ug/l	99
12) 1,1-Dichloroethene	4.04	96	122944	50.479	ug/l	100
13) Acrolein	3.89	56	35470	216.924	ug/l	99
14) Allyl chloride	4.67	41	273373	52.503	ug/l	100
15) Acrylonitrile	5.37	53	173118	258.475	ug/l	100
16) Acetone	4.12	43	152422	206.578	ug/l	100
17) Carbon Disulfide	4.38	76	372797	50.647	ug/l	98
18) Methyl Acetate	4.67	43	93968	51.419	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	213248	54.142	ug/l	99
20) Methylene Chloride	4.92	84	141366	50.681	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	133560	51.138	ug/l	95
22) Diisopropyl ether	6.31	45	514643	53.323	ug/l	98
23) Vinyl Acetate	6.25	43	1596147	268.729	ug/l	100
24) 1,1-Dichloroethane	6.21	63	271432	51.652	ug/l	99
25) 2-Butanone	7.17	43	241122	240.486	ug/l	100
26) 2,2-Dichloropropane	7.16	77	146550	49.271	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	147137	52.729	ug/l	99
28) Bromochloromethane	7.51	49	116673	50.940	ug/l	98
29) Tetrahydrofuran	7.52	42	157434	261.716	ug/l	99
30) Chloroform	7.68	83	247186	51.414	ug/l	99
31) Cyclohexane	7.95	56	242123	46.570	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	195264	51.340	ug/l	99
36) 1,1-Dichloropropene	8.08	75	202686	49.635	ug/l	99
37) Ethyl Acetate	7.25	43	112272	50.173	ug/l	99
38) Carbon Tetrachloride	8.07	117	173730	49.154	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	227232	49.533	ug/l	100
40) Benzene	8.32	78	564385	50.616	ug/l	100
41) Methacrylonitrile	7.48	41	68984	52.452	ug/l	98
42) 1,2-Dichloroethane	8.40	62	178230	51.001	ug/l	100
43) Isopropyl Acetate	8.42	43	215281	51.938	ug/l	100
44) Trichloroethene	9.09	130	137057	50.563	ug/l	99
45) 1,2-Dichloropropane	9.37	63	154691	51.548	ug/l	99
46) Dibromomethane	9.46	93	68944	51.636	ug/l	99
47) Bromodichloromethane	9.65	83	184941	52.045	ug/l	100
48) Methyl methacrylate	9.43	41	102598	52.007	ug/l	99
49) 1,4-Dioxane	9.45	88	17703	866.088	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	545499	258.746	ug/l	100
52) Toluene	10.38	92	343450	51.273	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	188911	52.190	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	228616	52.308	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	98139	51.950	ug/l	99
56) Ethyl methacrylate	10.65	69	147754	53.740	ug/l	98
57) 1,3-Dichloropropane	10.93	76	185002	51.822	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	370726	262.726	ug/l	100
59) 2-Hexanone	10.97	43	366911	245.965	ug/l	99
60) Dibromochloromethane	11.13	129	110765	52.641	ug/l	98
61) 1,2-Dibromoethane	11.23	107	91029	51.723	ug/l	100
64) Tetrachloroethene	10.86	164	114752	51.320	ug/l	99
65) Chlorobenzene	11.66	112	345129	50.820	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	122812	51.838	ug/l	99
67) Ethyl Benzene	11.73	91	665469	50.869	ug/l	100
68) m/p-Xylenes	11.84	106	481714	102.225	ug/l	99
69) o-Xylene	12.16	106	226240	51.873	ug/l	99
70) Styrene	12.18	104	393359	52.106	ug/l	100
71) Bromoform	12.35	173	63099	53.456	ug/l #	99
73) Isopropylbenzene	12.46	105	627193	50.847	ug/l	99
74) N-amyl acetate	12.27	43	195923	52.573	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	114306	50.548	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	151097	94.245	ug/l #	100
77) Bromobenzene	12.74	156	137258	51.436	ug/l	99
78) n-propylbenzene	12.80	91	763097	50.676	ug/l	99
79) 2-Chlorotoluene	12.89	91	434702	50.847	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	528983	51.323	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	37571	51.381	ug/l	98
82) 4-Chlorotoluene	12.99	91	457014	51.053	ug/l	100
83) tert-Butylbenzene	13.21	119	449947	51.535	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	528666	51.061	ug/l	100
85) sec-Butylbenzene	13.38	105	633886	50.676	ug/l	100
86) p-Isopropyltoluene	13.50	119	570938	51.110	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	265330	50.834	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	262418	50.635	ug/l	99
89) n-Butylbenzene	13.82	91	568559	51.181	ug/l	100
90) Hexachloroethane	14.09	117	100670	51.365	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	234627	51.241	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	19104	50.112	ug/l	97

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Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 2019
Response via : Initial Calibration

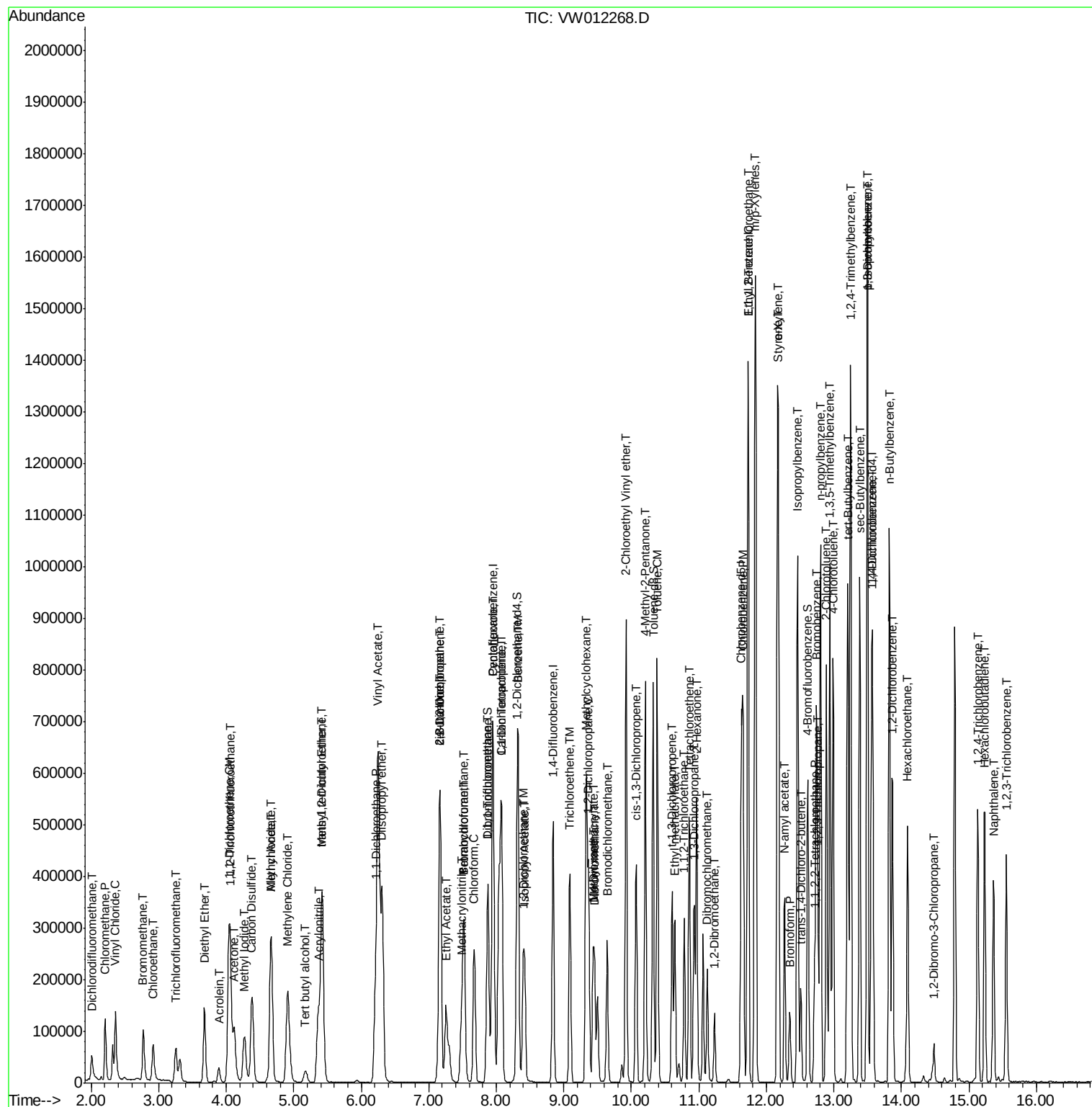
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	165943	52.443	ug/l	100
94) Hexachlorobutadiene	15.24	225	107123	51.271	ug/l	98
95) Naphthalene	15.36	128	314438	50.585	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	147820	53.543	ug/l	99

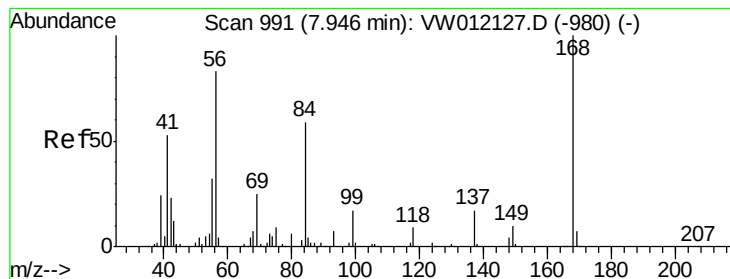
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012268.D

Acq: 28 Aug 2019 22:34

Instrument :

MSVOA_W

ClientSampleId :

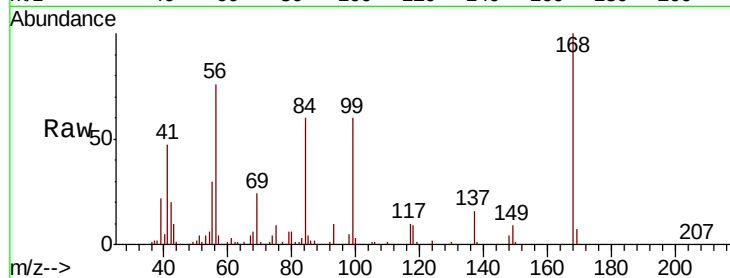
VSTDCCC050

Tgt Ion: 168 Resp: 242815

Ion Ratio Lower Upper

168 100

99 59.8 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

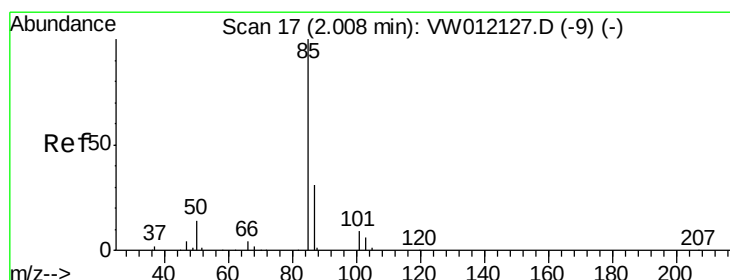
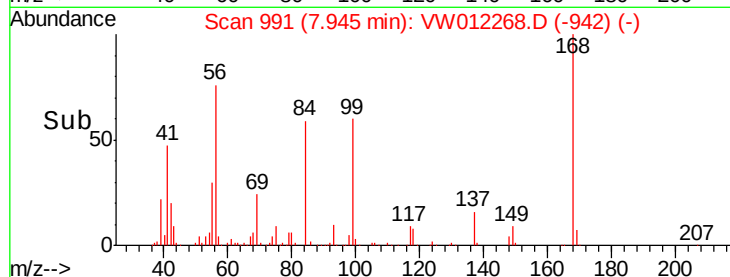
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 49.319 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012268.D

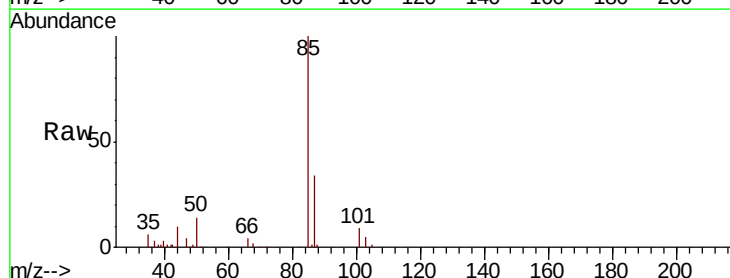
Acq: 28 Aug 2019 22:34

Tgt Ion: 85 Resp: 73737

Ion Ratio Lower Upper

85 100

87 34.3 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

30000

25000

20000

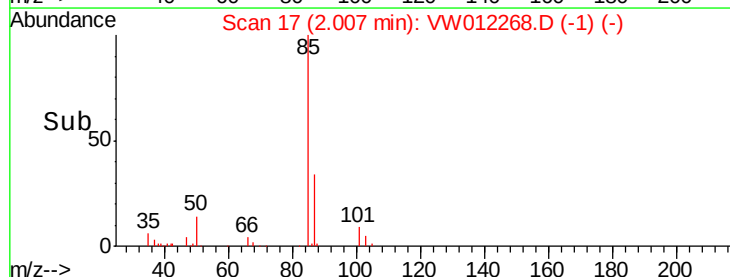
15000

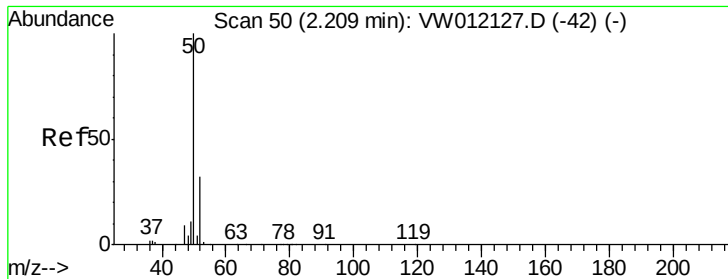
10000

5000

0

Time-->





#3

Chloromethane

Concen: 49.860 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW012268.D

Acq: 28 Aug 2019 22:34

Instrument :

MSVOA_W

ClientSampleId :

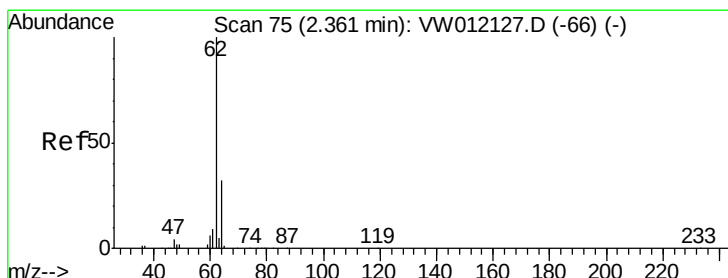
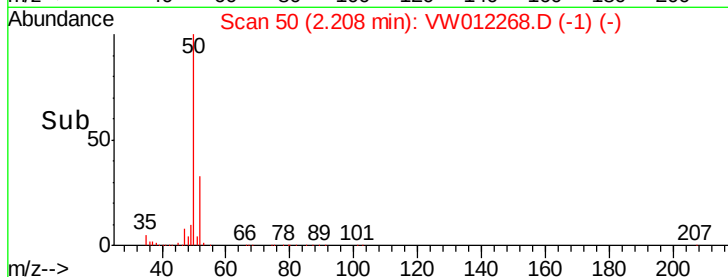
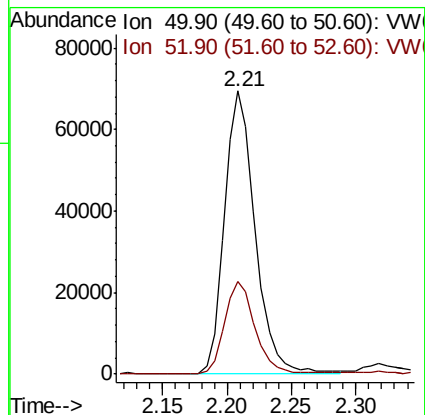
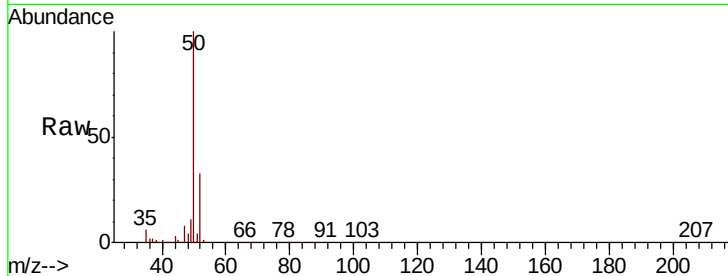
VSTDCCC050

Tgt Ion: 50 Resp: 115493

Ion Ratio Lower Upper

50 100

52 32.8 25.5 38.3



#4

Vinyl Chloride

Concen: 49.121 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012268.D

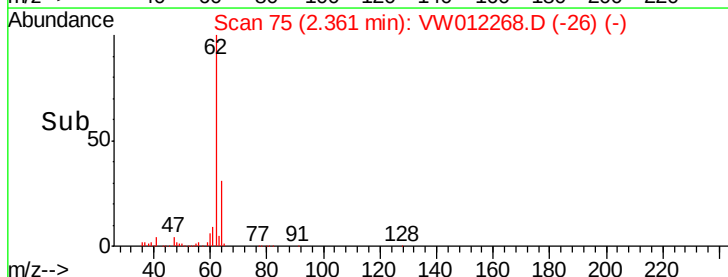
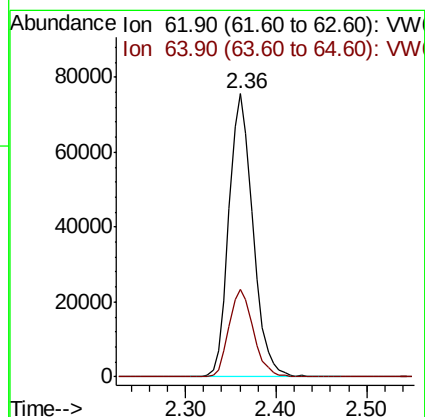
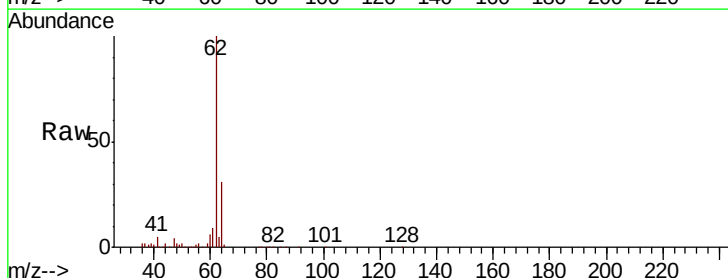
Acq: 28 Aug 2019 22:34

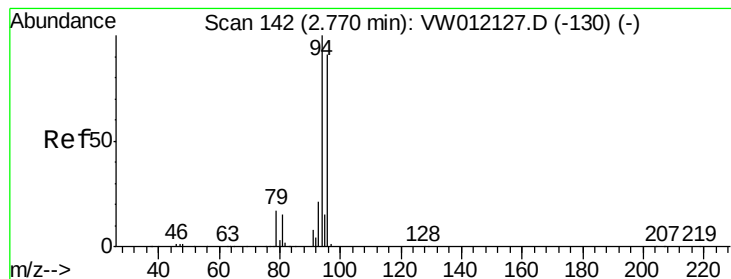
Tgt Ion: 62 Resp: 139263

Ion Ratio Lower Upper

62 100

64 31.1 25.3 37.9





#5

Bromomethane

Concen: 52.141 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.01 min

Lab File: VW012268.D

Acq: 28 Aug 2019 22:34

Instrument :

MSVOA_W

ClientSampleId :

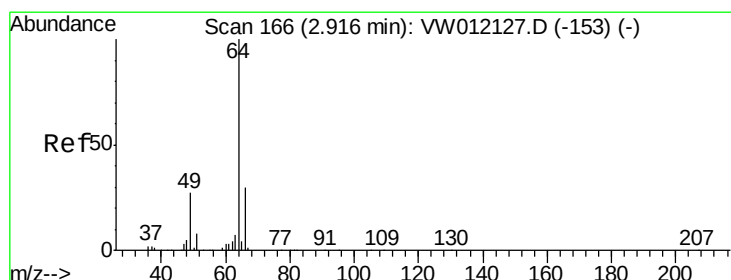
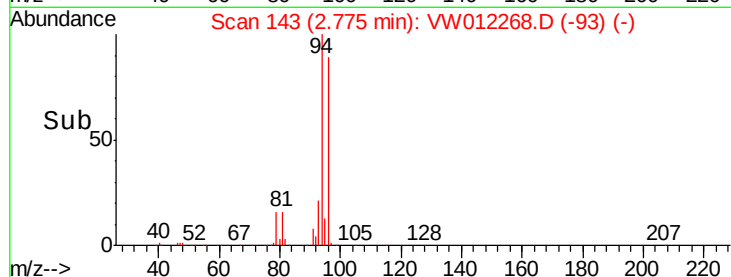
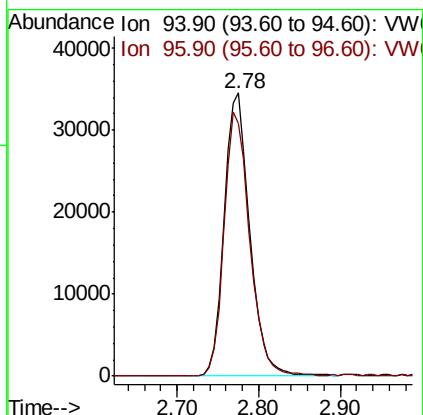
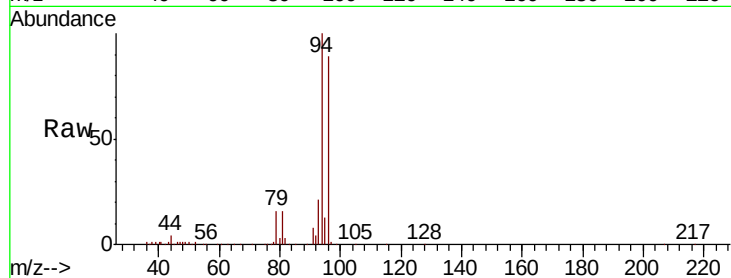
VSTDCCC050

Tgt Ion: 94 Resp: 74865

Ion Ratio Lower Upper

94 100

96 89.3 72.9 109.3



#6

Chloroethane

Concen: 51.995 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW012268.D

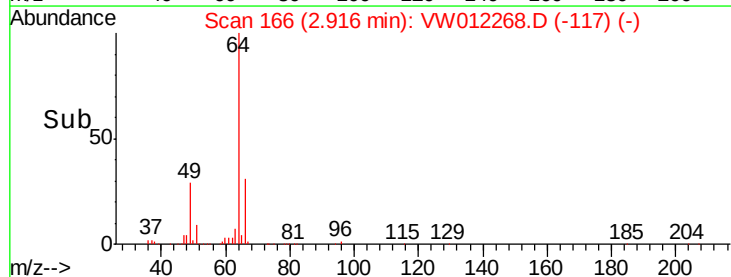
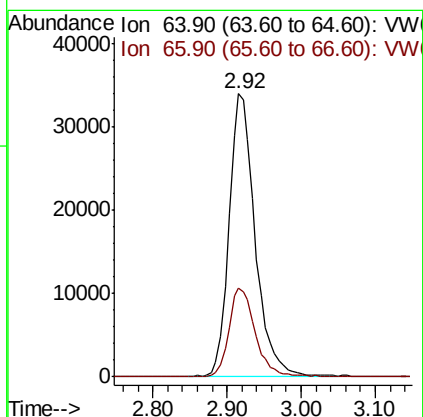
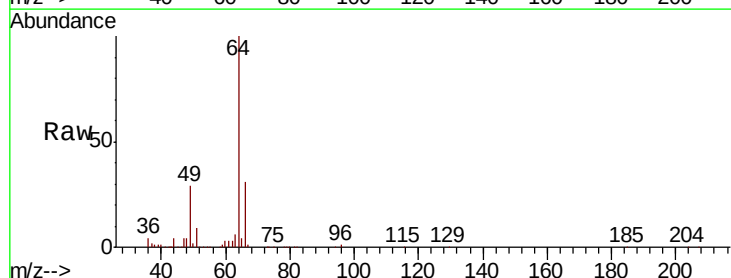
Acq: 28 Aug 2019 22:34

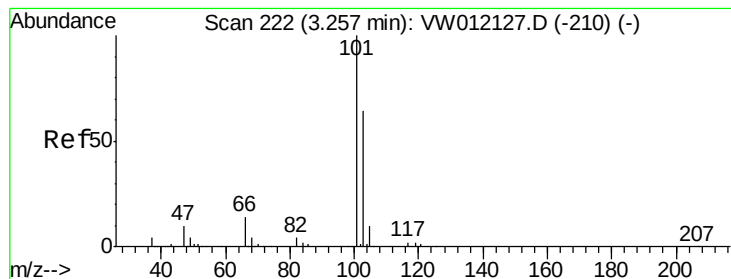
Tgt Ion: 64 Resp: 83157

Ion Ratio Lower Upper

64 100

66 31.3 23.8 35.8



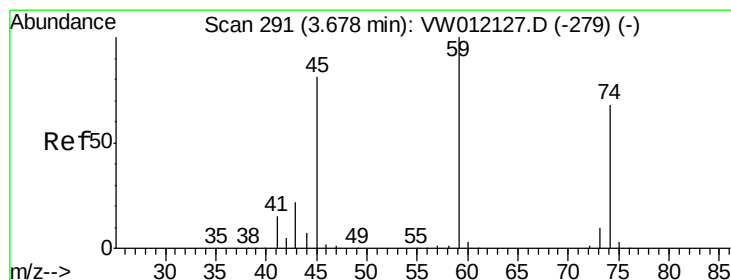
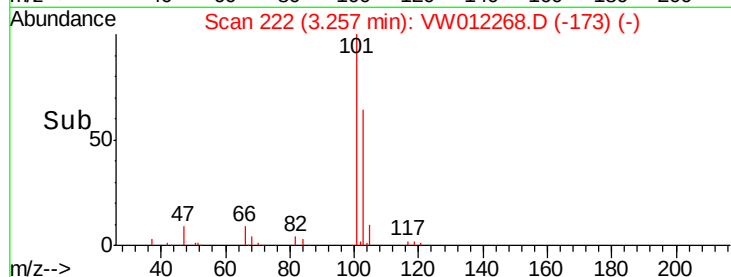
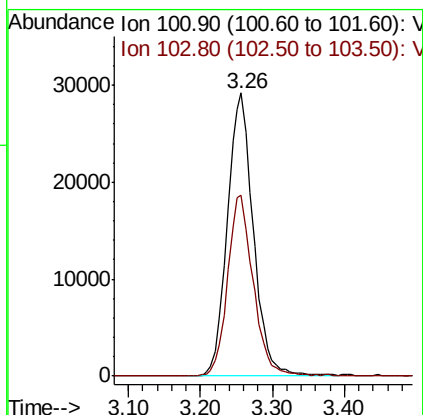
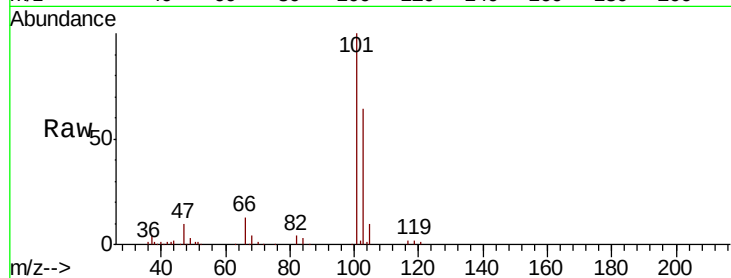


#7

Trichlorofluoromethane
 Concen: 51.440 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW012268.D
 Acq: 28 Aug 2019 22:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

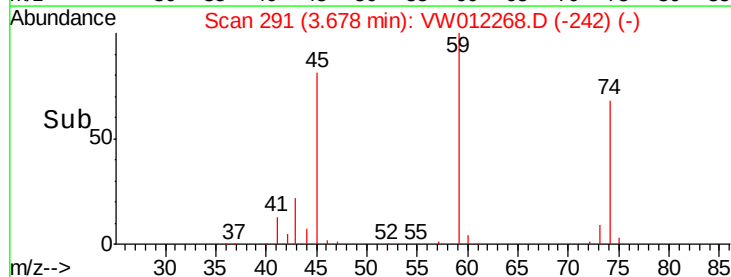
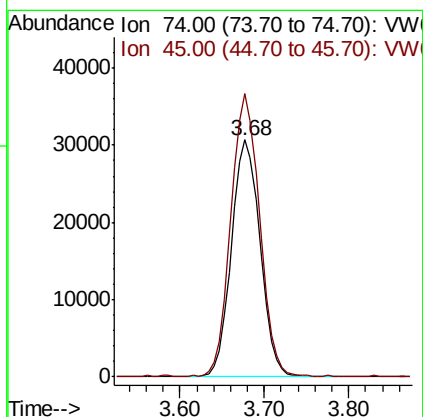
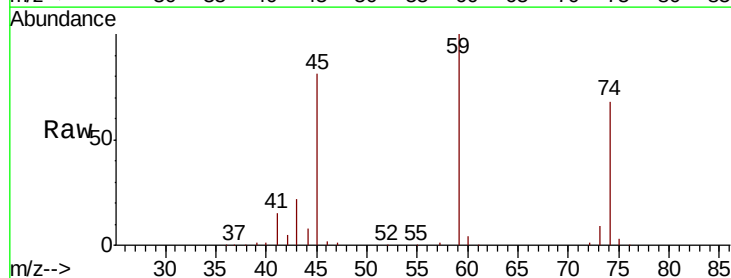
Tgt Ion:101 Resp: 73230
 Ion Ratio Lower Upper
 101 100
 103 64.0 51.2 76.8

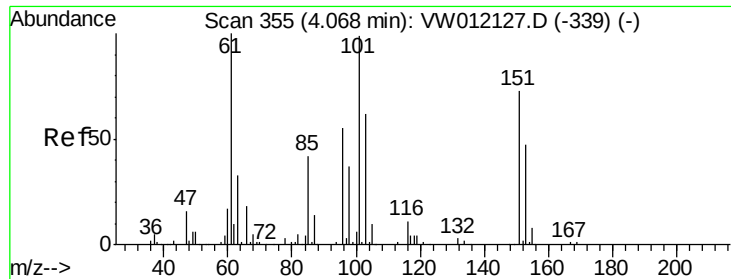


#8

Diethyl Ether
 Concen: 52.266 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012268.D
 Acq: 28 Aug 2019 22:34

Tgt Ion: 74 Resp: 70625
 Ion Ratio Lower Upper
 74 100
 45 119.4 59.2 177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.725 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW012268.D

Acq: 28 Aug 2019 22:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

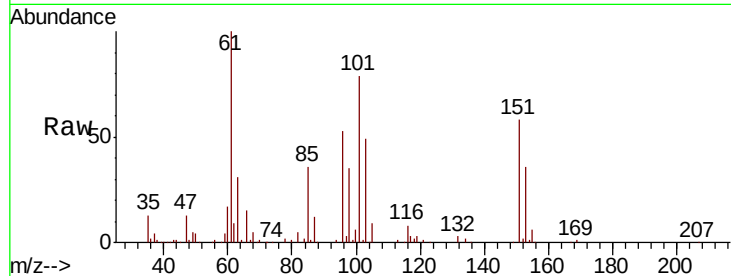
Tgt Ion:101 Resp: 120324

Ion Ratio Lower Upper

101 100

85 44.9 35.8 53.6

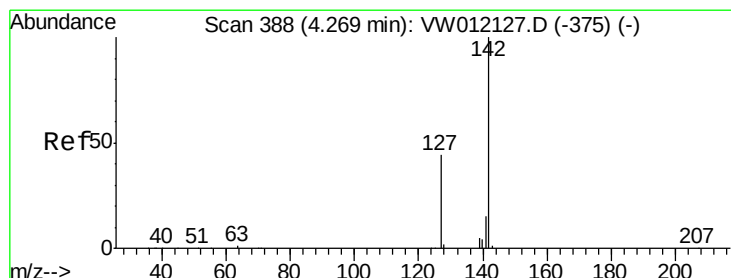
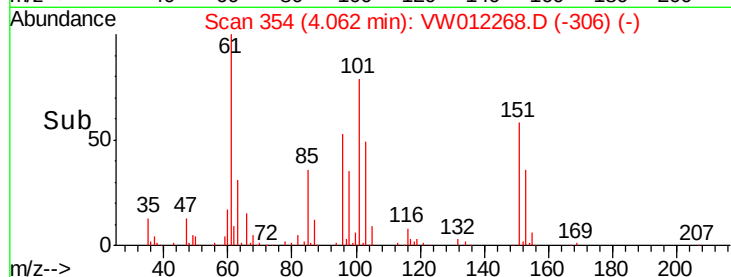
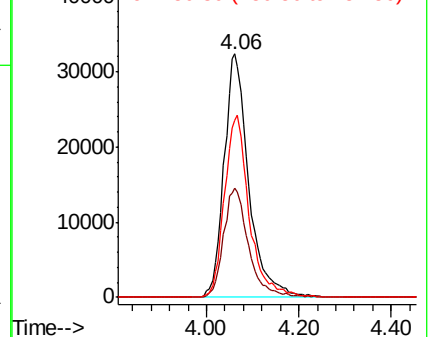
151 74.7 58.6 87.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 52.567 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW012268.D

Acq: 28 Aug 2019 22:34

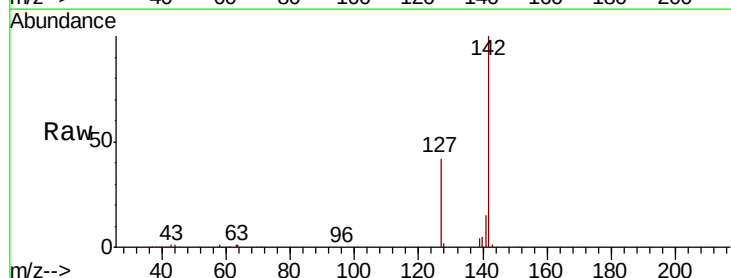
Tgt Ion:142 Resp: 172108

Ion Ratio Lower Upper

142 100

127 43.1 35.5 53.3

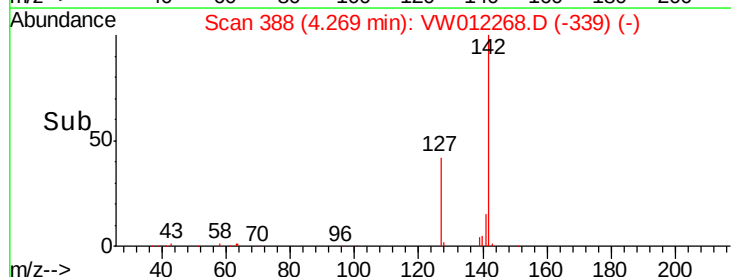
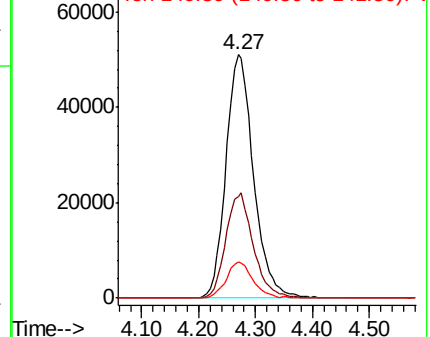
141 14.4 11.8 17.8

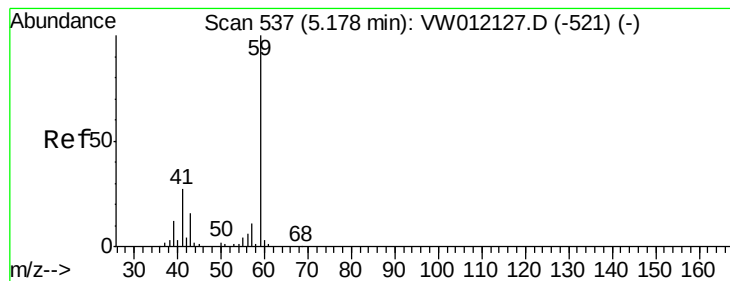


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



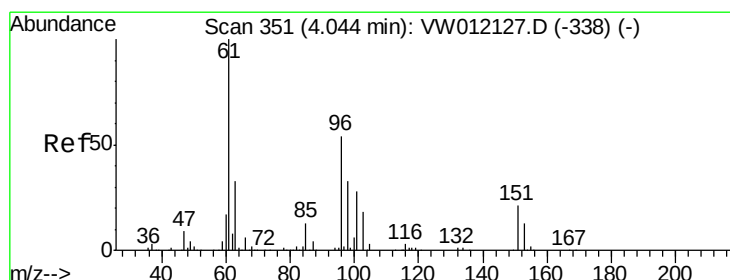
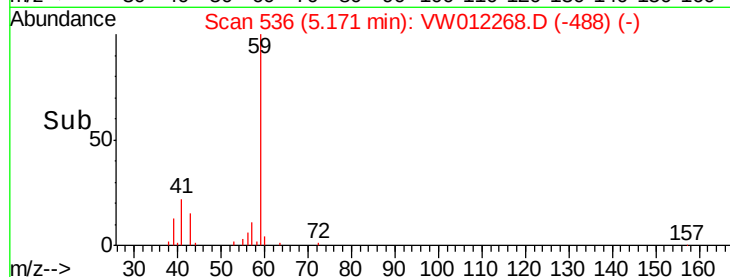
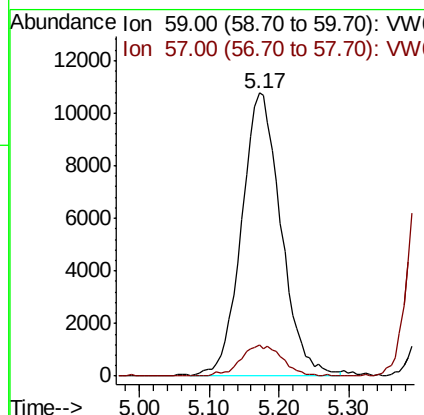
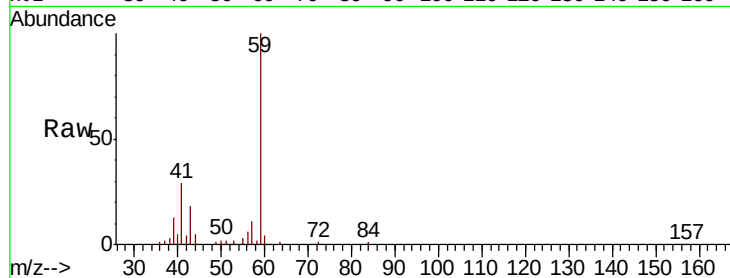


#11

Tert butyl alcohol
 Concen: 243.560 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. -0.01 min
 Lab File: VW012268.D
 Acq: 28 Aug 2019 22:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

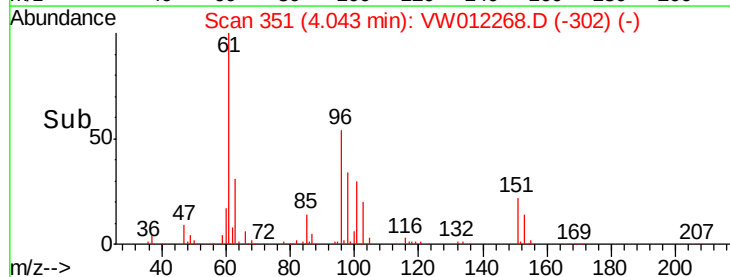
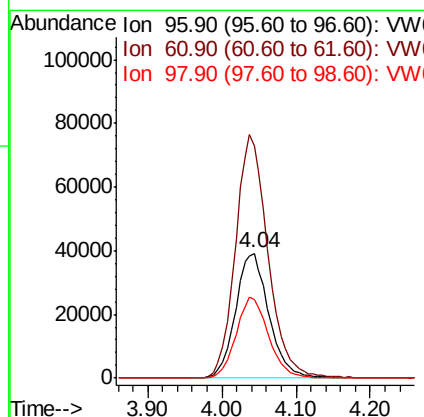
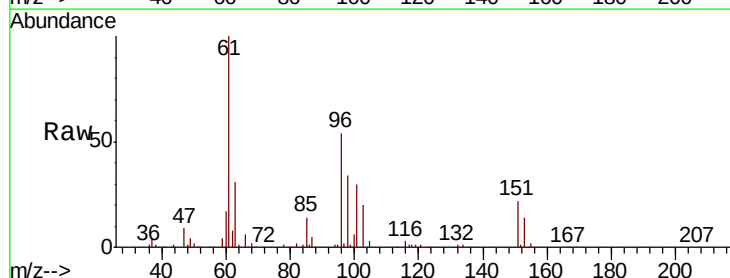
Tgt Ion: 59 Resp: 42308
 Ion Ratio Lower Upper
 59 100
 57 11.4 9.0 13.4

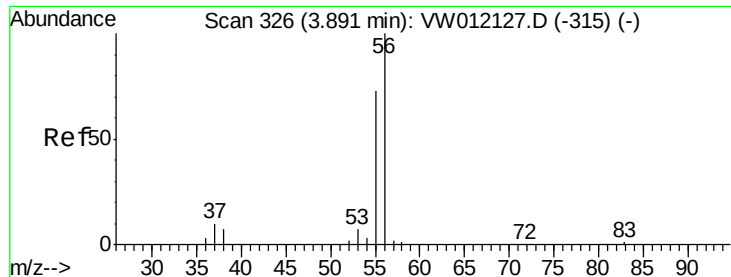


#12

1,1-Dichloroethene
 Concen: 50.479 ug/l
 RT: 4.04 min Scan# 351
 Delta R.T. -0.00 min
 Lab File: VW012268.D
 Acq: 28 Aug 2019 22:34

Tgt Ion: 96 Resp: 122944
 Ion Ratio Lower Upper
 96 100
 61 186.2 149.1 223.7
 98 63.0 49.4 74.2





#13

Acrolein

Concen: 216.924 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW012268.D

Acq: 28 Aug 2019 22:34

Instrument :

MSVOA_W

ClientSampled :

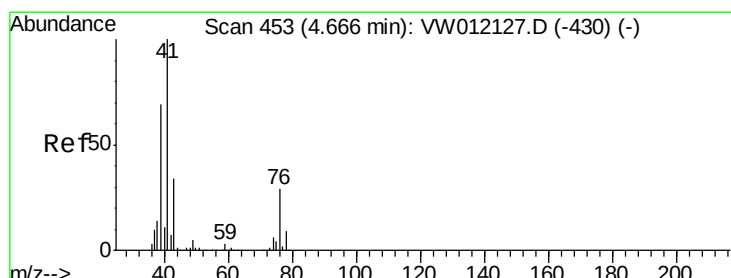
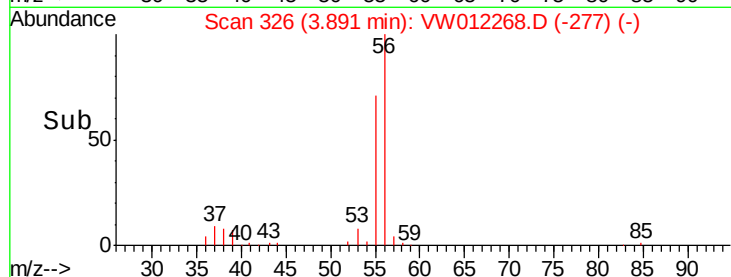
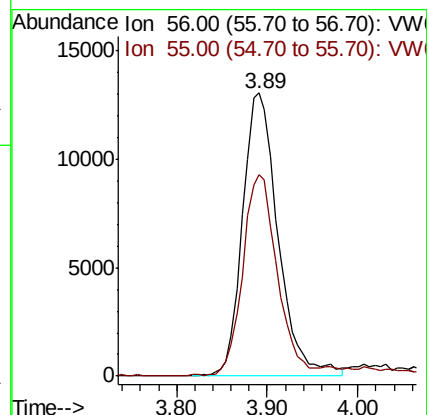
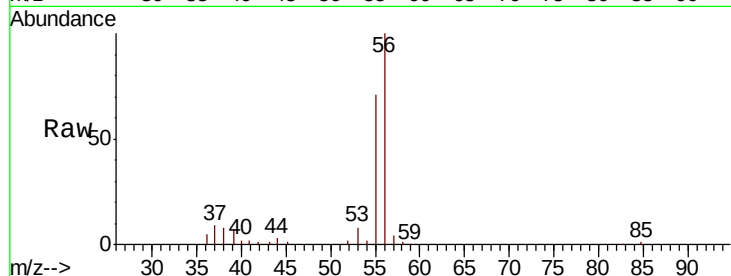
VSTDCCC050

Tgt Ion: 56 Resp: 35470

Ion Ratio Lower Upper

56 100

55 69.0 55.8 83.8



#14

Allyl chloride

Concen: 52.503 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012268.D

Acq: 28 Aug 2019 22:34

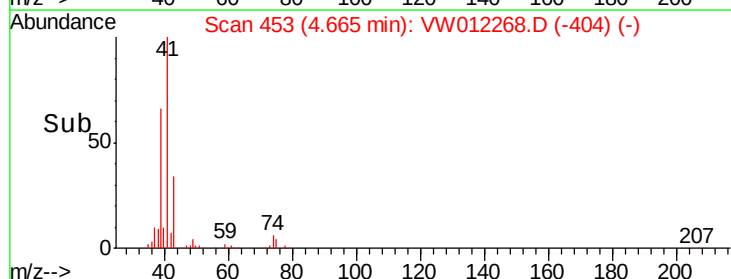
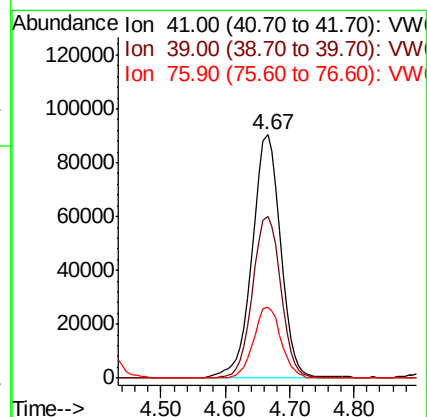
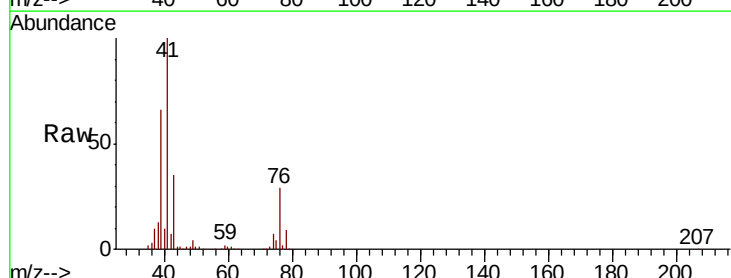
Tgt Ion: 41 Resp: 273373

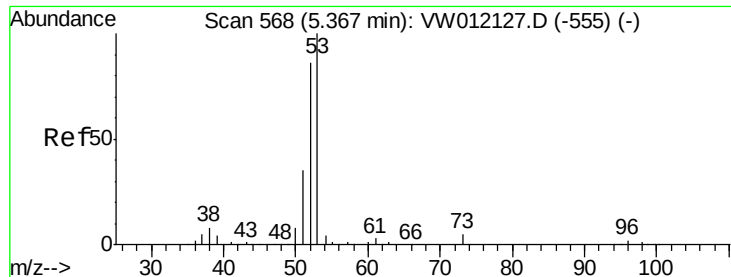
Ion Ratio Lower Upper

41 100

39 66.6 53.4 80.2

76 27.7 22.1 33.1





#15

Acrylonitrile

Concen: 258.475 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW012268.D

Acq: 28 Aug 2019 22:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

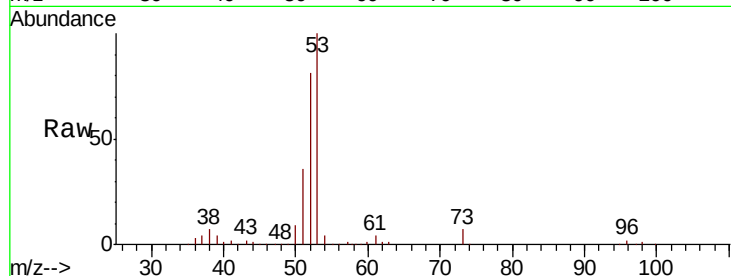
Tgt Ion: 53 Resp: 173118

Ion Ratio Lower Upper

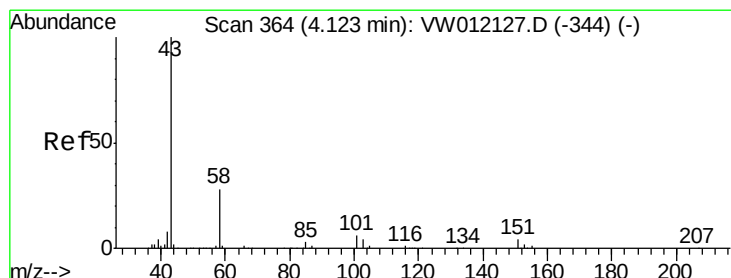
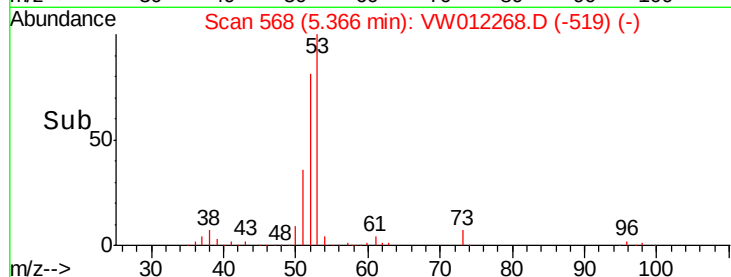
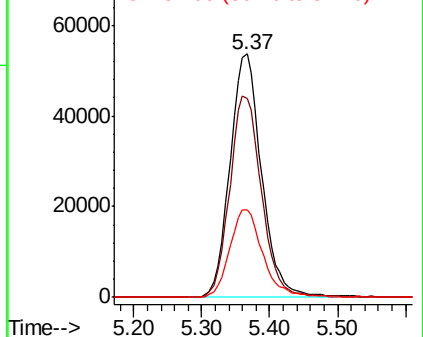
53 100

52 83.2 66.7 100.1

51 37.5 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: 206.578 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW012268.D

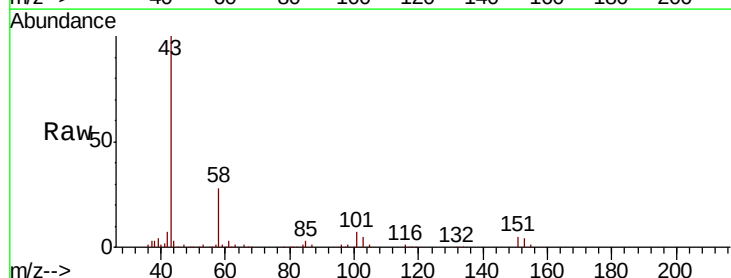
Acq: 28 Aug 2019 22:34

Tgt Ion: 43 Resp: 152422

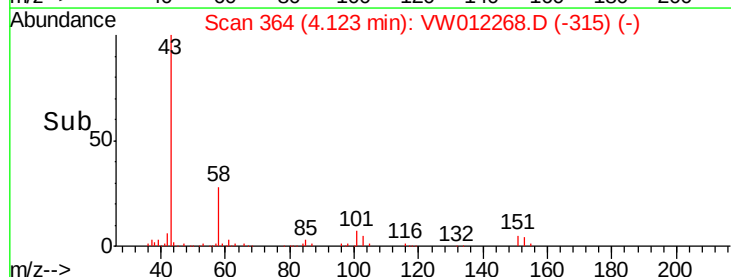
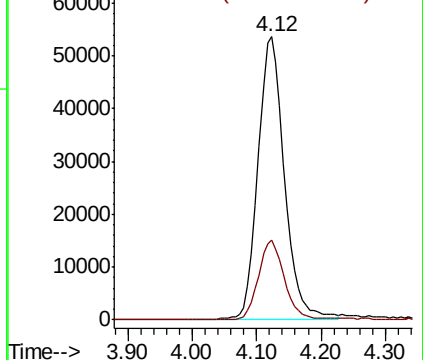
Ion Ratio Lower Upper

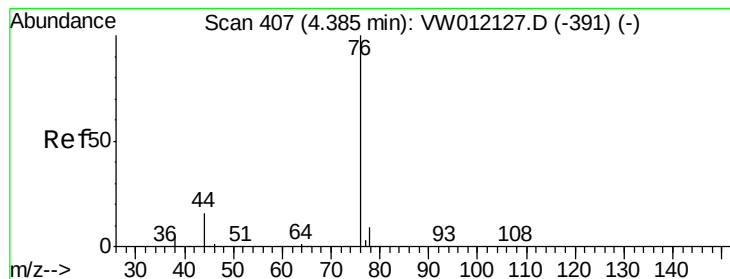
43 100

58 27.9 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: 50.647 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW012268.D

Acq: 28 Aug 2019 22:34

Instrument :

MSVOA_W

ClientSampleId :

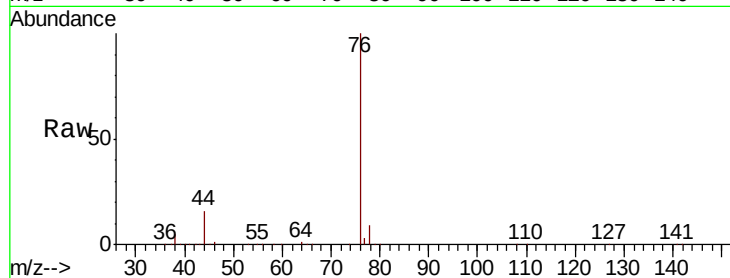
VSTDCCC050

Tgt Ion: 76 Resp: 372797

Ion Ratio Lower Upper

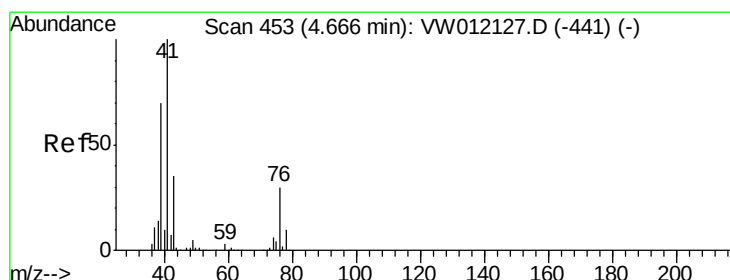
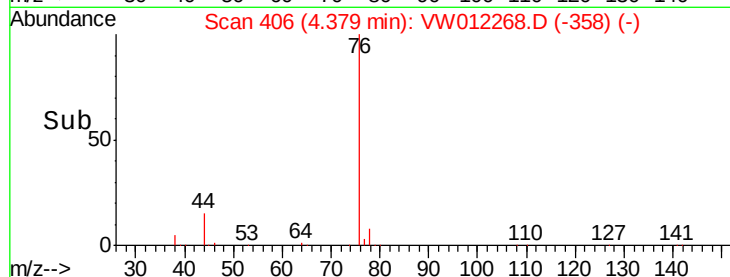
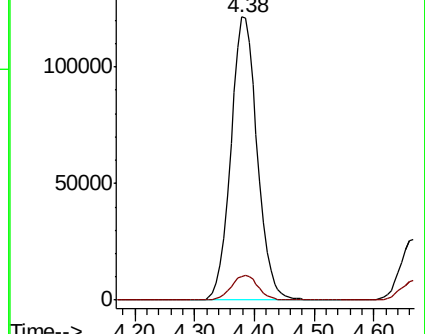
76 100

78 8.5 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: 51.419 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012268.D

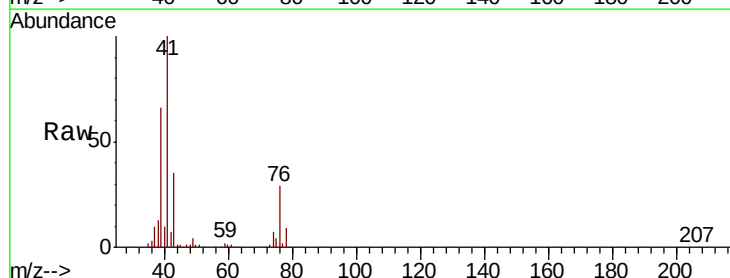
Acq: 28 Aug 2019 22:34

Tgt Ion: 43 Resp: 93968

Ion Ratio Lower Upper

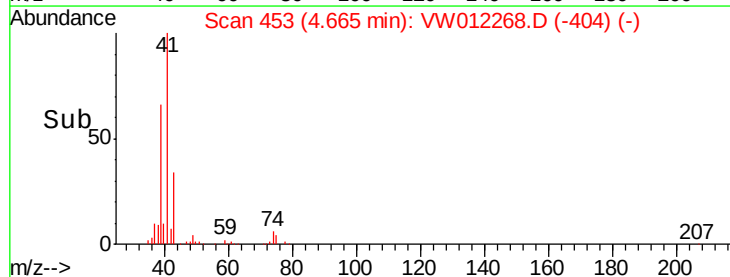
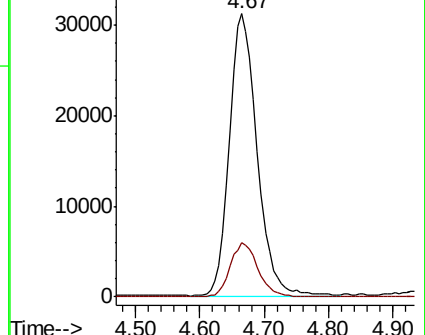
43 100

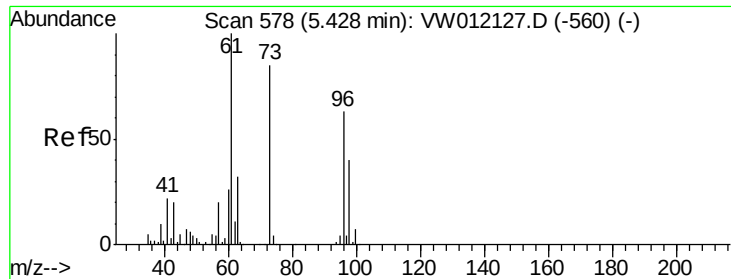
74 19.4 15.7 23.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

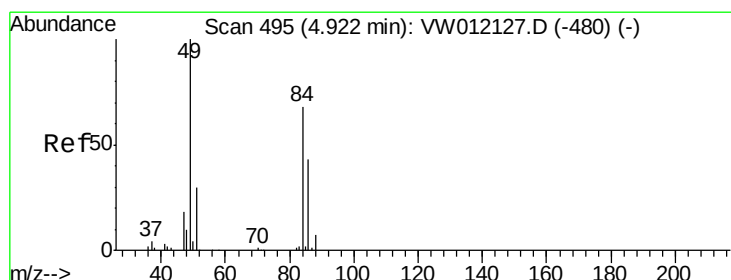
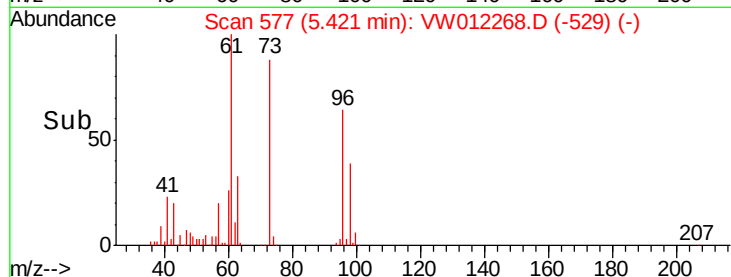
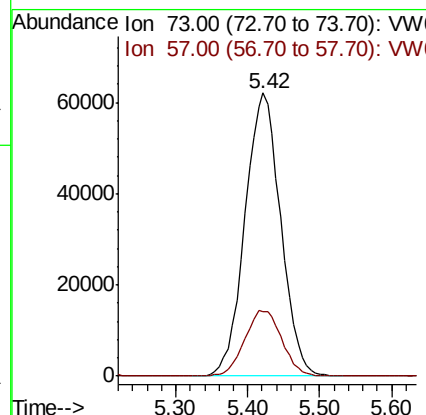
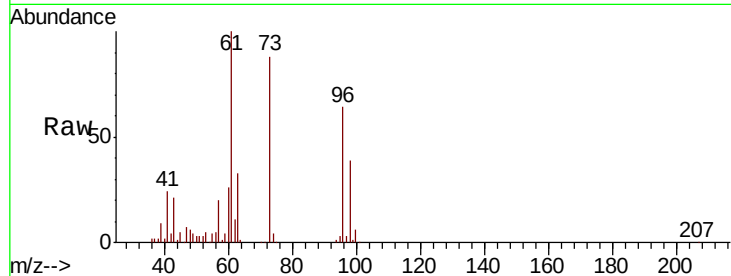




#19
Methyl tert-butyl Ether
Concen: 54.142 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW012268.D
Acq: 28 Aug 2019 22:34

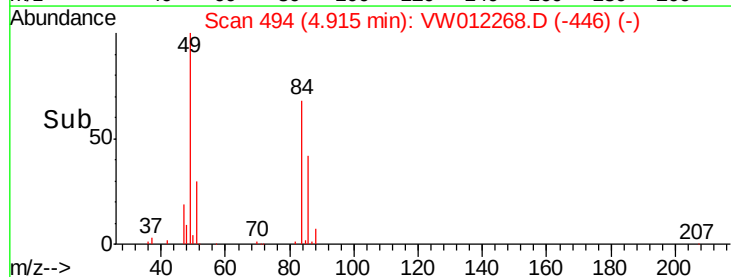
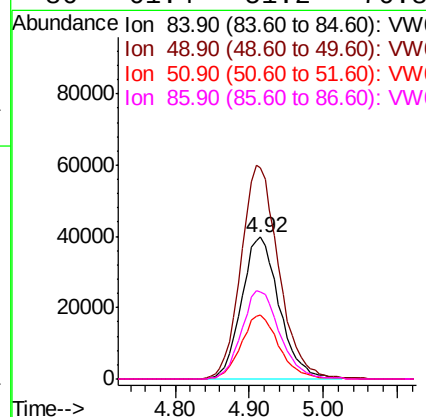
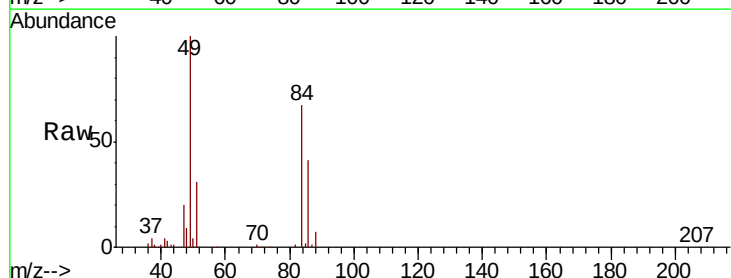
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

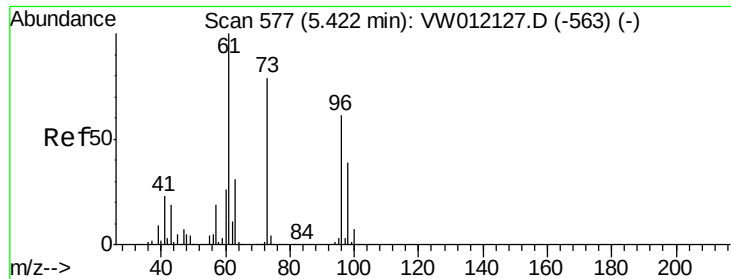
Tgt Ion: 73 Resp: 213248
Ion Ratio Lower Upper
73 100
57 23.0 18.9 28.3



#20
Methylene Chloride
Concen: 50.681 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012268.D
Acq: 28 Aug 2019 22:34

Tgt Ion: 84 Resp: 141366
Ion Ratio Lower Upper
84 100
49 148.9 117.8 176.8
51 45.4 35.6 53.4
86 61.4 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 51.138 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW012268.D

Acq: 28 Aug 2019 22:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

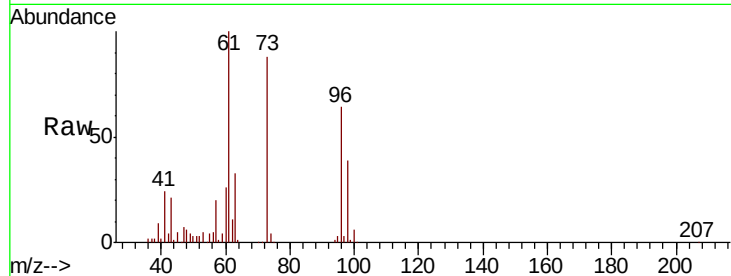
Tgt Ion: 96 Resp: 133560

Ion Ratio Lower Upper

96 100

61 157.4 131.4 197.0

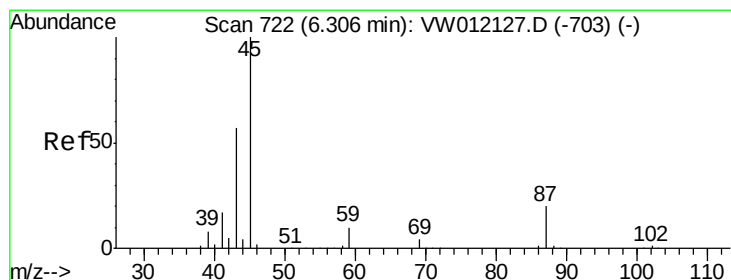
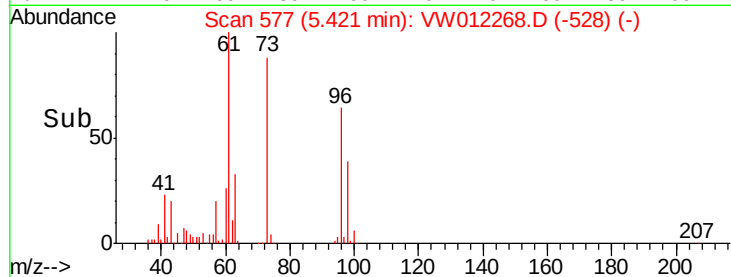
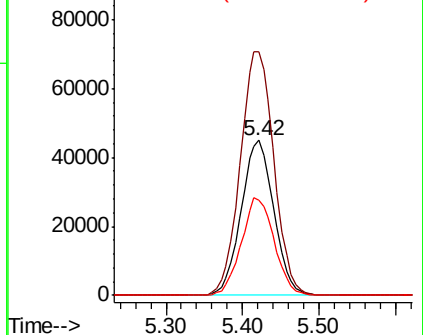
98 61.7 51.4 77.0



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: 53.323 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW012268.D

Acq: 28 Aug 2019 22:34

Tgt Ion: 45 Resp: 514643

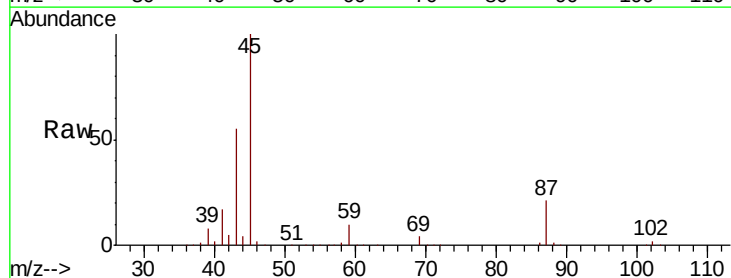
Ion Ratio Lower Upper

45 100

43 55.0 45.5 68.3

87 20.7 16.1 24.1

59 9.7 8.2 12.2

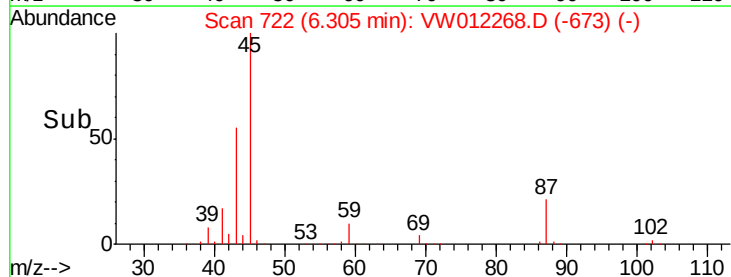
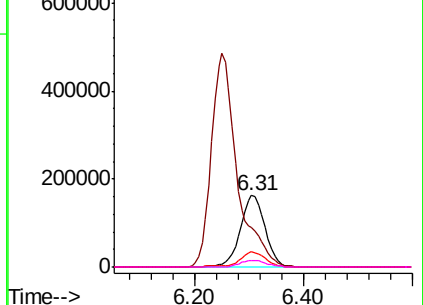


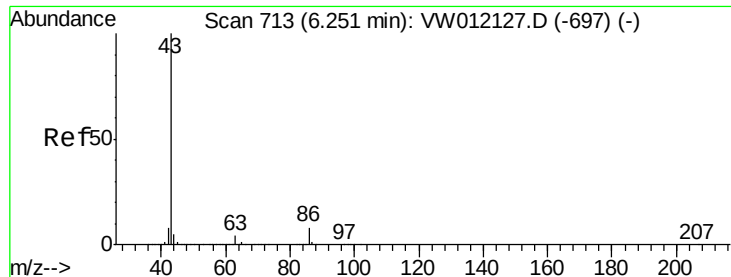
Abundance Ion 45.00 (44.70 to 45.70): VW

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: 268.729 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012268.D

Acq: 28 Aug 2019 22:34

Instrument :

MSVOA_W

ClientSampled :

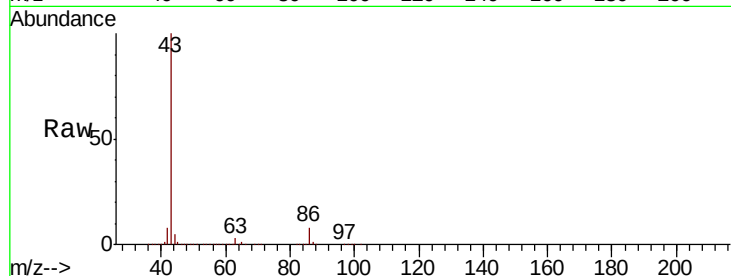
VSTDCCC050

Tgt Ion: 43 Resp: 1596147

Ion Ratio Lower Upper

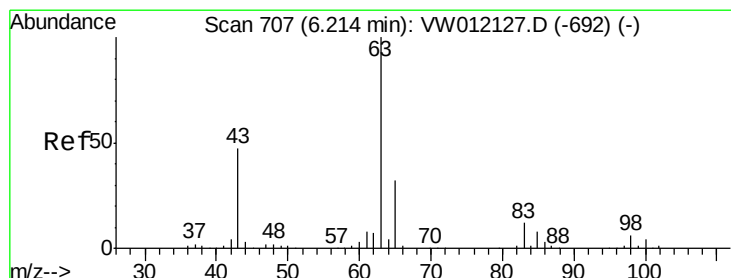
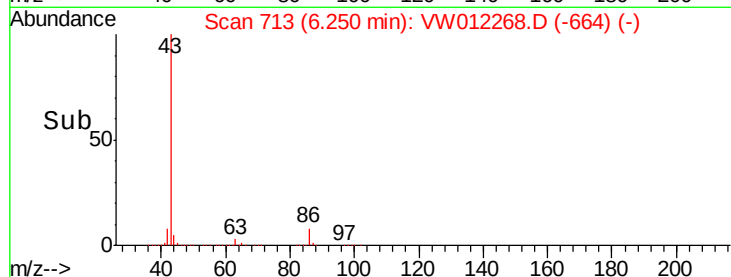
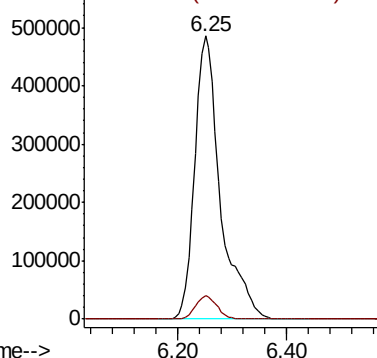
43 100

86 8.2 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 51.652 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012268.D

Acq: 28 Aug 2019 22:34

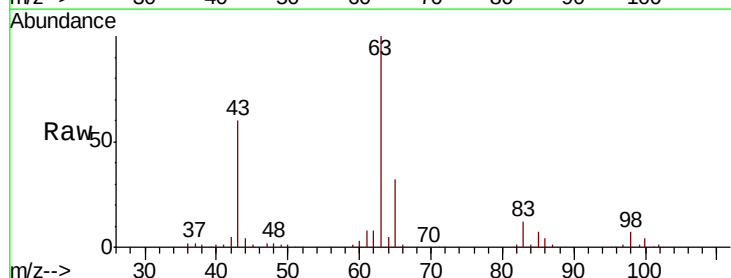
Tgt Ion: 63 Resp: 271432

Ion Ratio Lower Upper

63 100

98 6.6 3.0 9.2

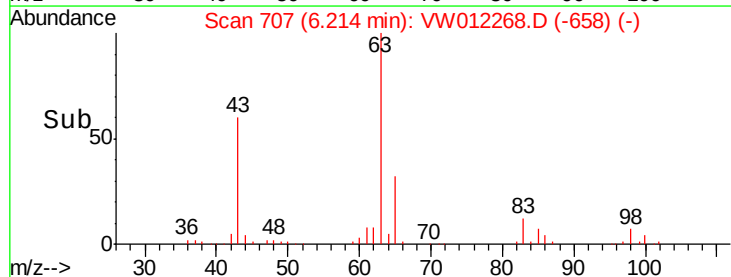
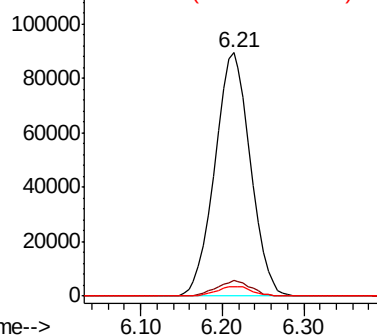
100 3.7 2.0 6.0

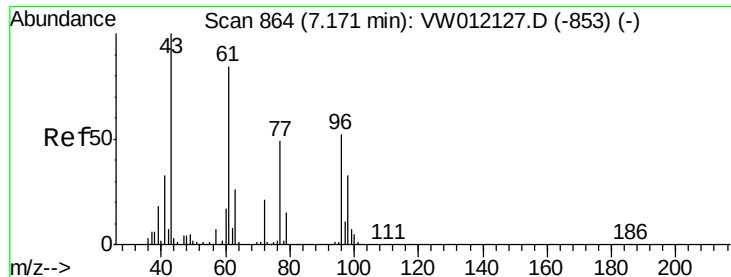


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 240.486 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW012268.D

Acq: 28 Aug 2019 22:34

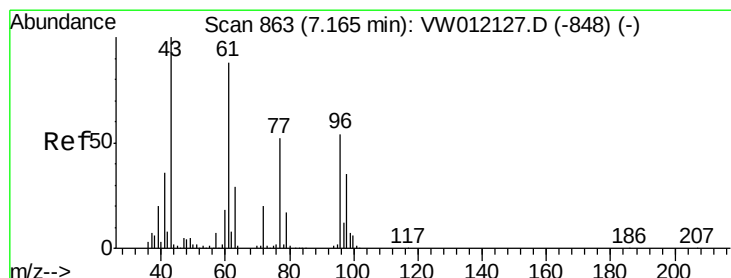
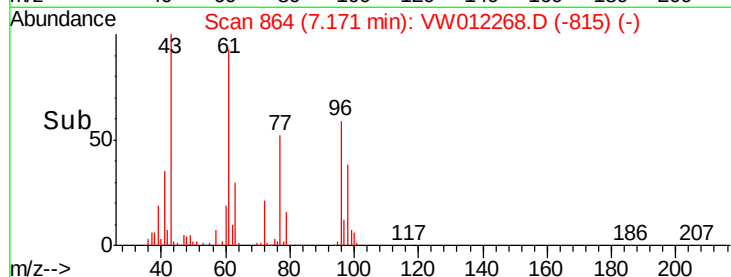
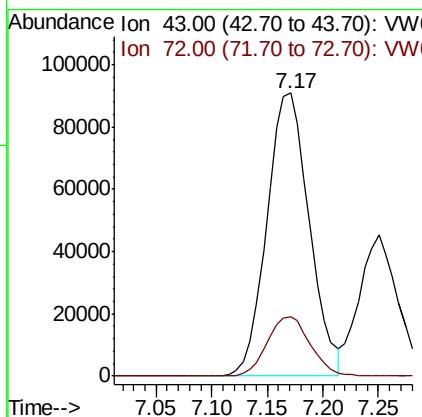
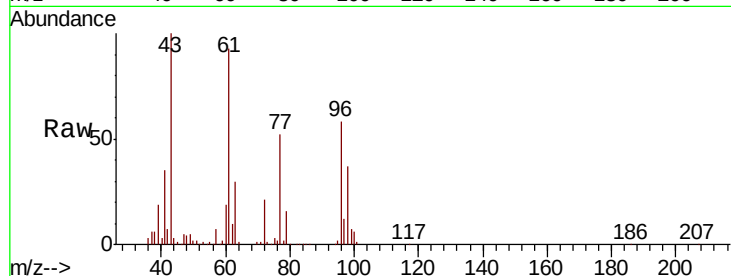
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 241122

Ion Ratio Lower Upper

43 100

72 20.9 16.6 24.8



#26

2,2-Dichloropropane

Concen: 49.271 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012268.D

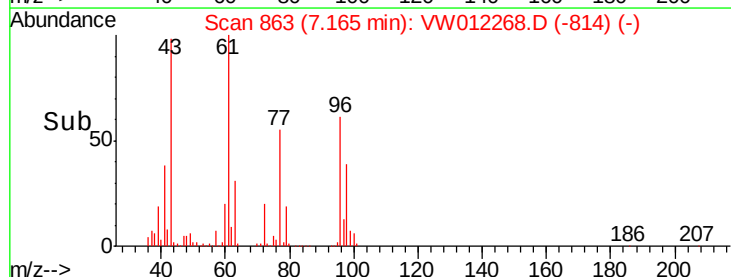
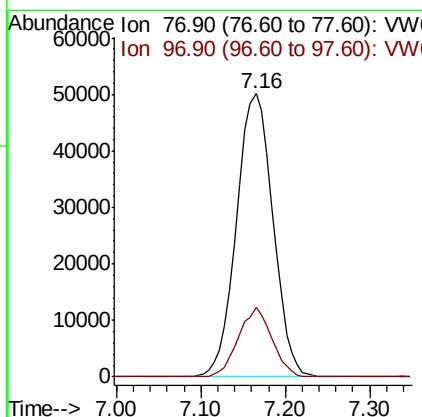
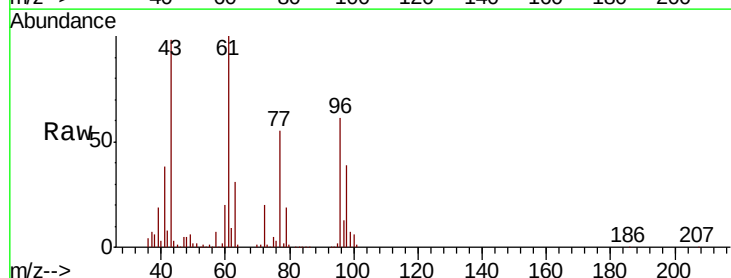
Acq: 28 Aug 2019 22:34

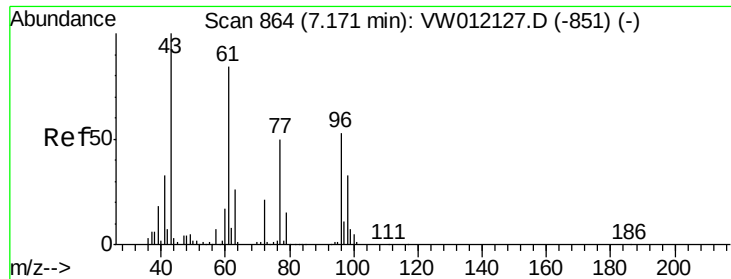
Tgt Ion: 77 Resp: 146550

Ion Ratio Lower Upper

77 100

97 22.6 11.1 33.1



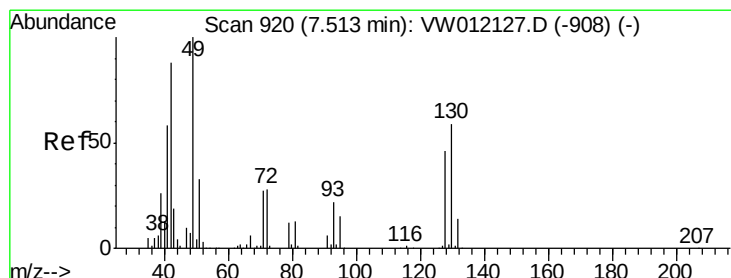
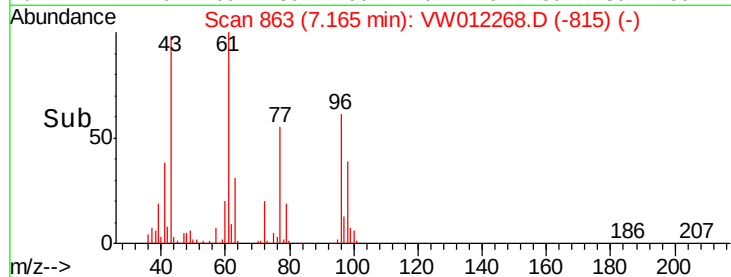
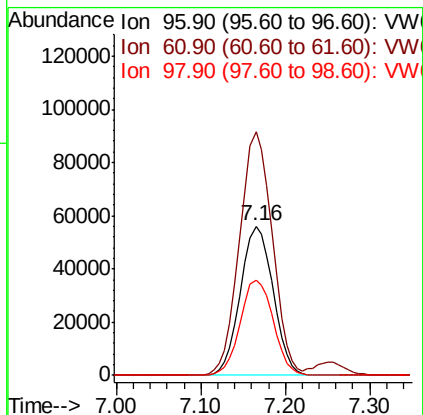
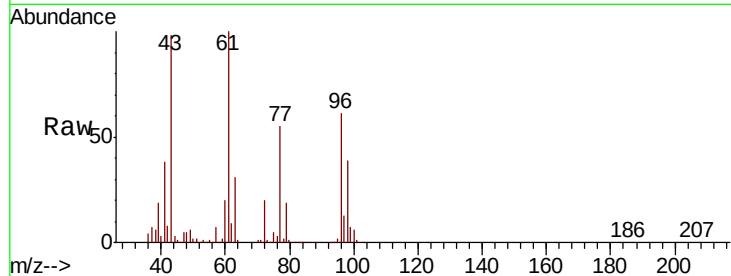


#27

cis-1,2-Dichloroethene
 Concen: 52.729 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW012268.D
 Acq: 28 Aug 2019 22:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

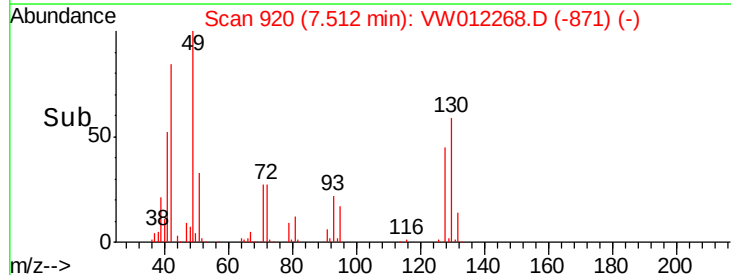
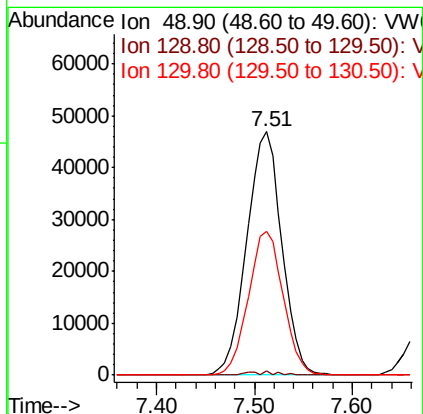
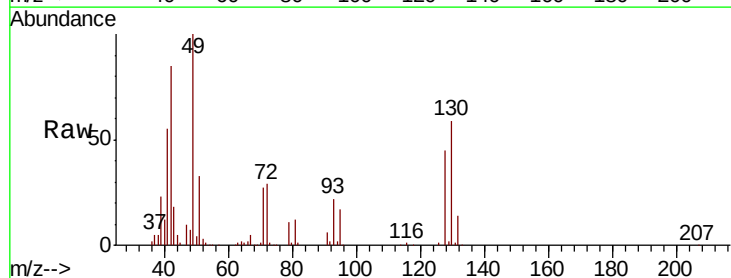
Tgt Ion: 96 Resp: 147137
 Ion Ratio Lower Upper
 96 100
 61 164.3 0.0 326.6
 98 64.4 0.0 127.4

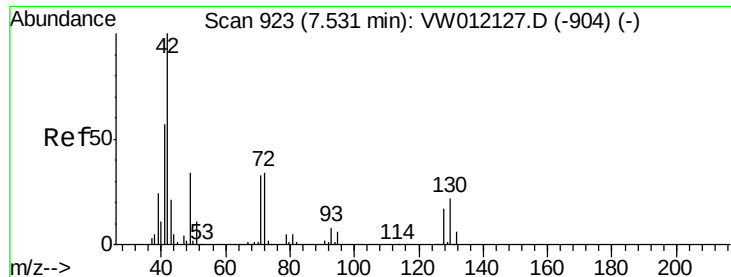


#28

Bromochloromethane
 Concen: 50.940 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW012268.D
 Acq: 28 Aug 2019 22:34

Tgt Ion: 49 Resp: 116673
 Ion Ratio Lower Upper
 49 100
 129 0.6 0.0 1.4
 130 58.7 45.5 68.3

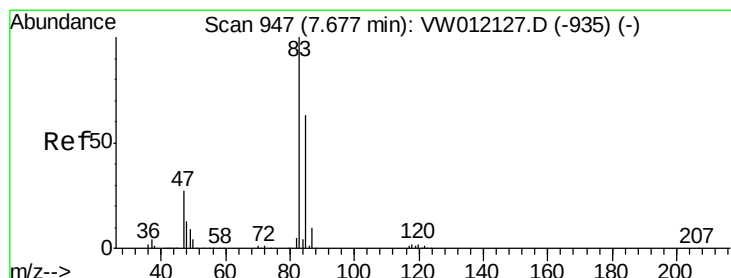
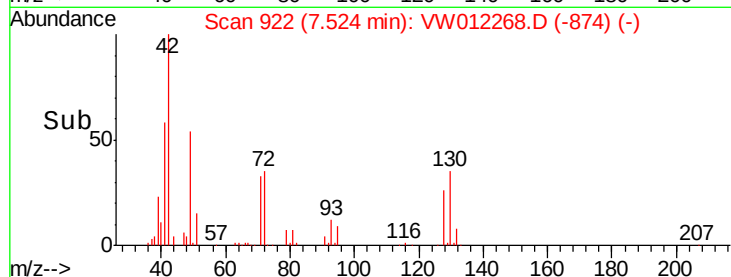
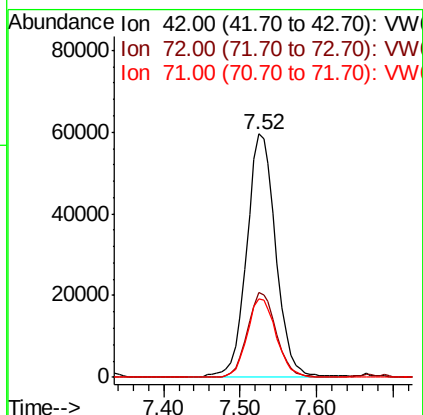
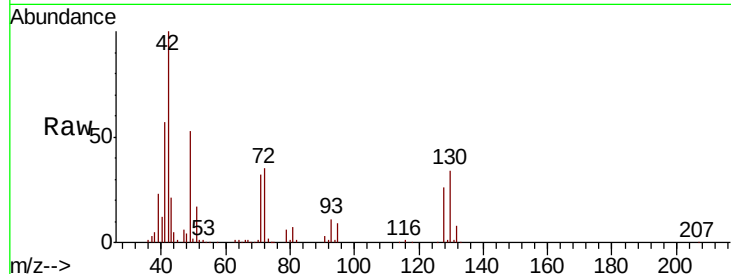




#29
Tetrahydrofuran
Concen: 261.716 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW012268.D
Acq: 28 Aug 2019 22:34

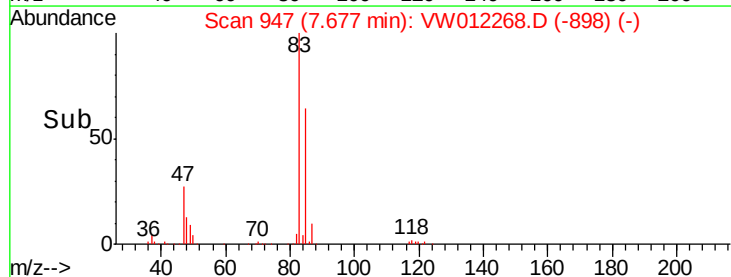
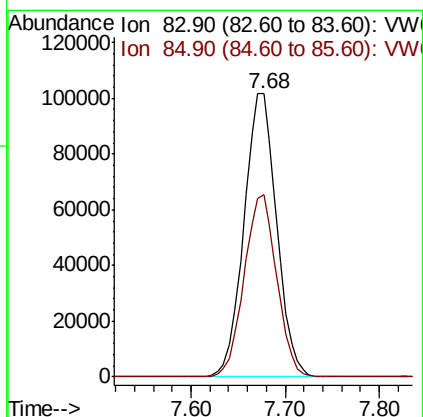
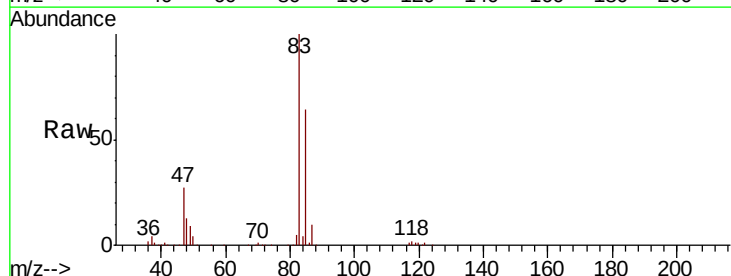
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

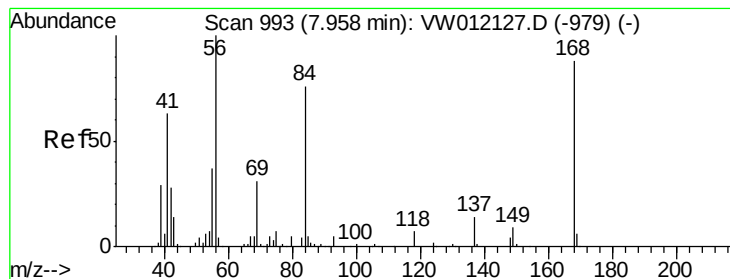
Tgt Ion: 42 Resp: 157434
Ion Ratio Lower Upper
42 100
72 34.6 27.3 40.9
71 32.3 25.5 38.3



#30
Chloroform
Concen: 51.414 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW012268.D
Acq: 28 Aug 2019 22:34

Tgt Ion: 83 Resp: 247186
Ion Ratio Lower Upper
83 100
85 64.2 50.6 76.0





#31

Cyclohexane

Concen: 46.570 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW012268.D

Acq: 28 Aug 2019 22:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

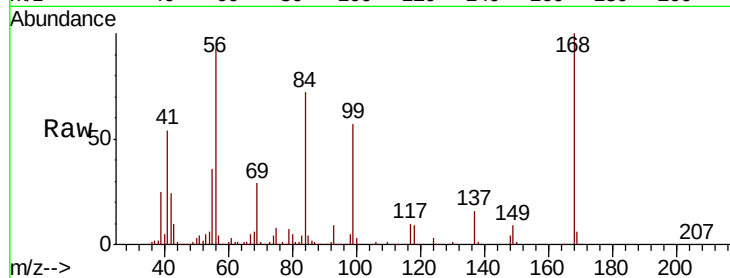
Tgt Ion: 56 Resp: 242123

Ion Ratio Lower Upper

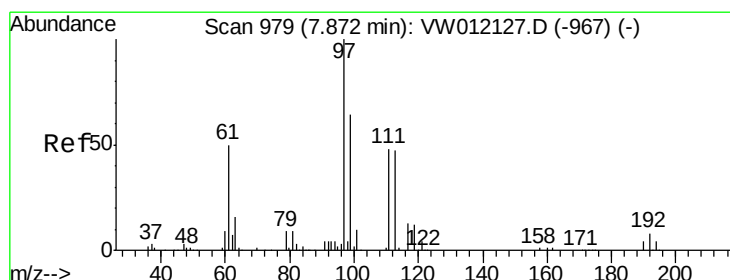
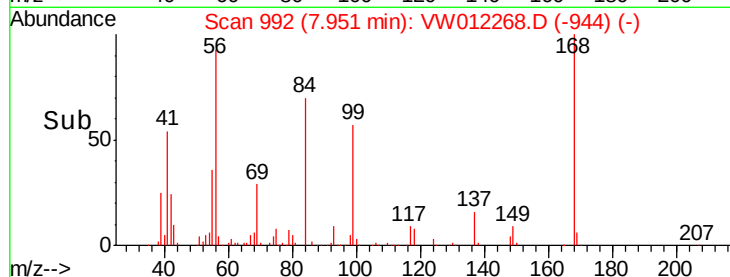
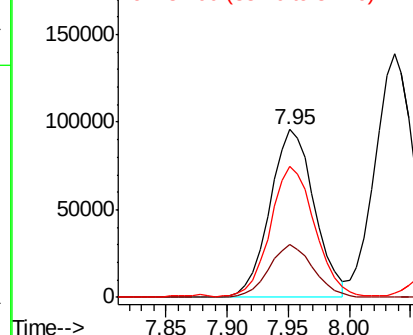
56 100

69 31.5 24.9 37.3

84 76.9 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: 51.340 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW012268.D

Acq: 28 Aug 2019 22:34

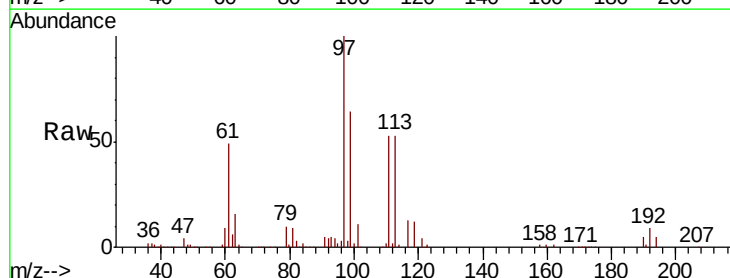
Tgt Ion: 97 Resp: 195264

Ion Ratio Lower Upper

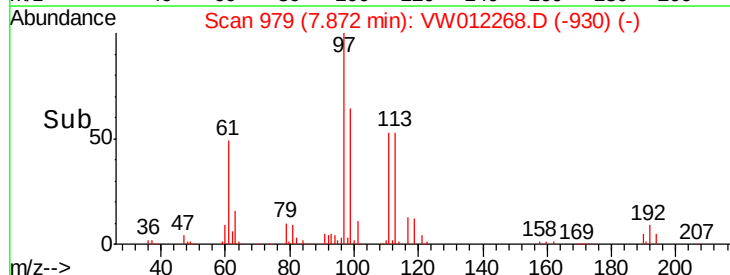
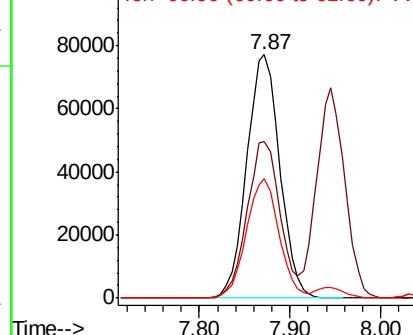
97 100

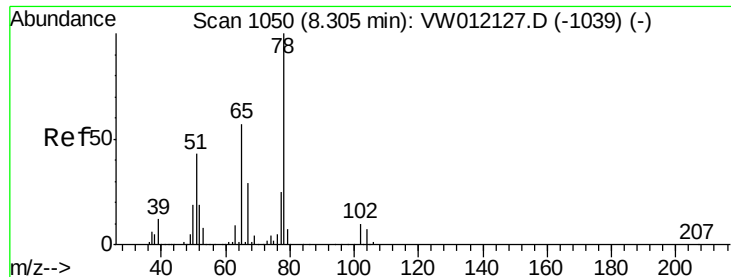
99 64.4 51.4 77.0

61 48.8 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

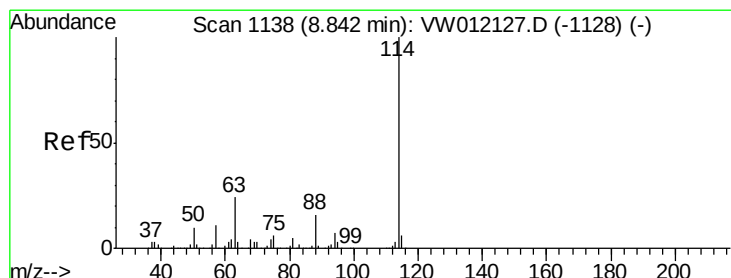
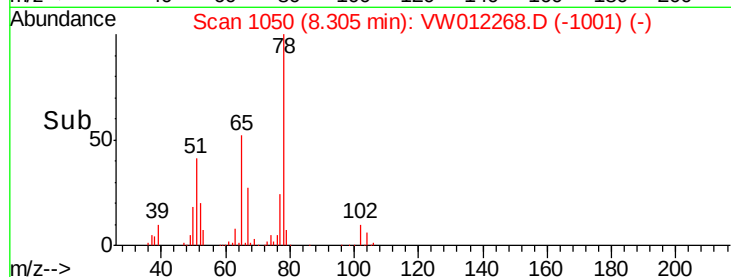
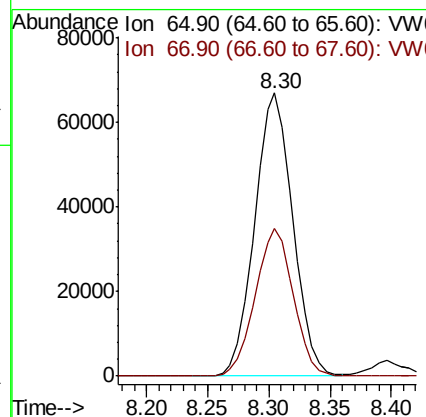
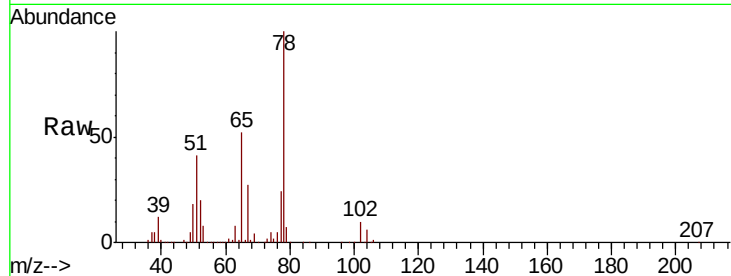




#33
 1,2-Dichloroethane-d4
 Concen: 50.380 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012268.D
 Acq: 28 Aug 2019 22:34

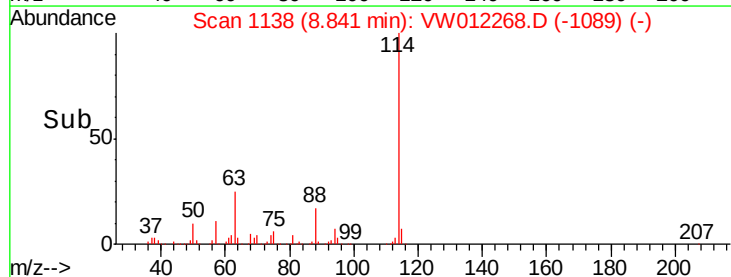
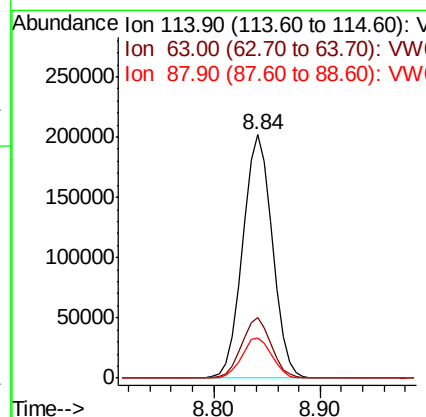
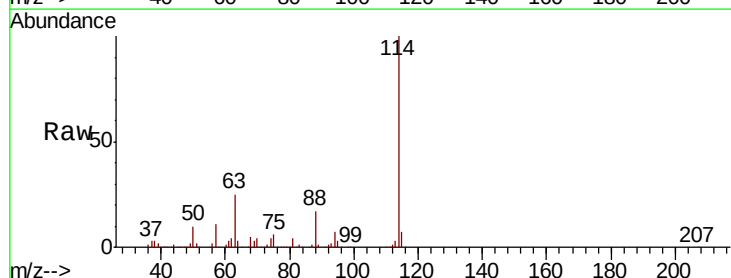
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

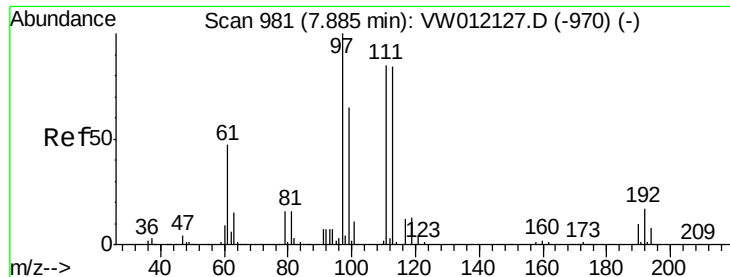
Tgt Ion: 65 Resp: 145422
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012268.D
 Acq: 28 Aug 2019 22:34

Tgt Ion: 114 Resp: 395160
 Ion Ratio Lower Upper
 114 100
 63 25.0 0.0 48.6
 88 16.7 0.0 32.2





#35

Dibromofluoromethane

Concen: 50.337 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012268.D

Acq: 28 Aug 2019 22:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

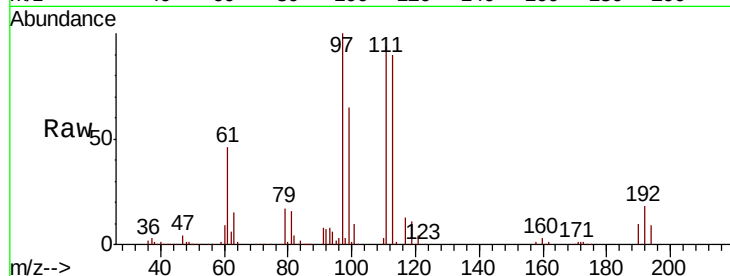
Tgt Ion:113 Resp: 118732

Ion Ratio Lower Upper

113 100

111 104.3 82.7 124.1

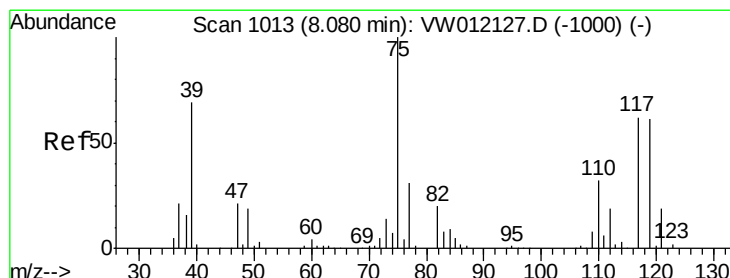
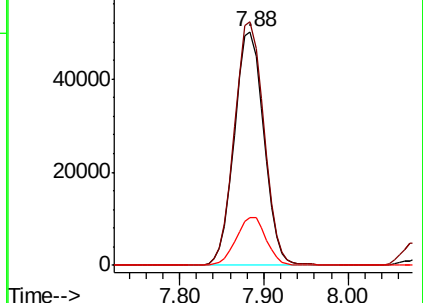
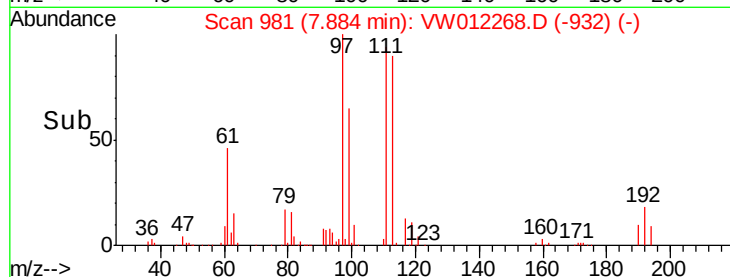
192 20.7 16.2 24.2



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: 49.635 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW012268.D

Acq: 28 Aug 2019 22:34

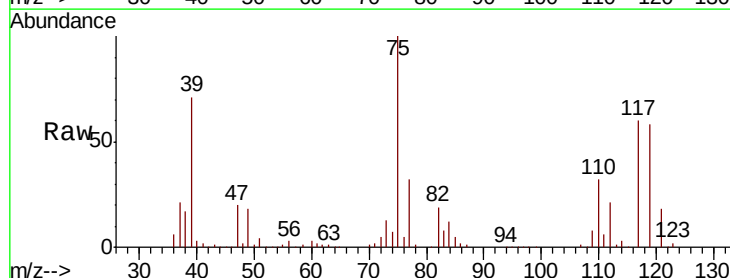
Tgt Ion: 75 Resp: 202686

Ion Ratio Lower Upper

75 100

110 31.5 15.6 46.8

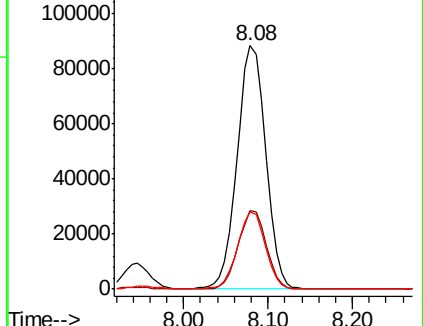
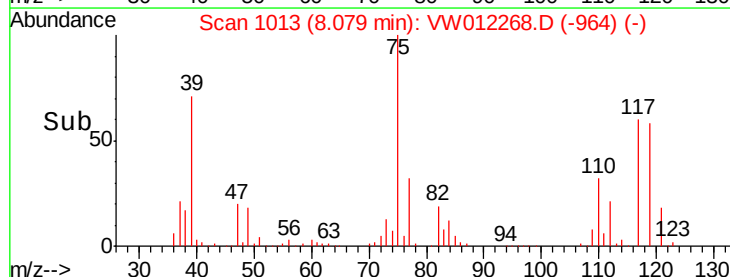
77 31.1 24.6 36.8

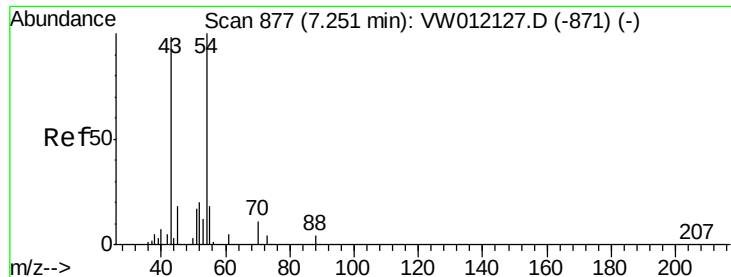


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

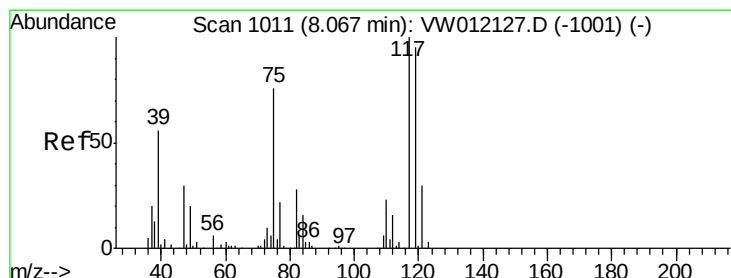
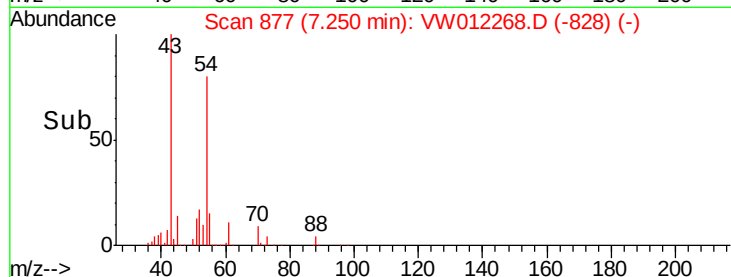
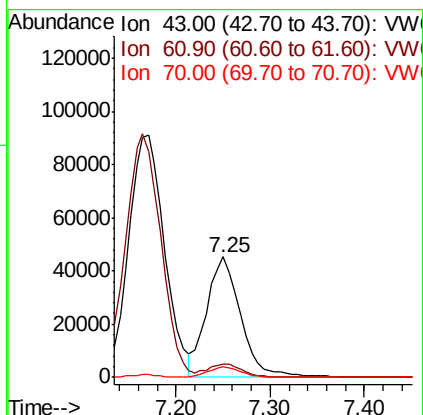
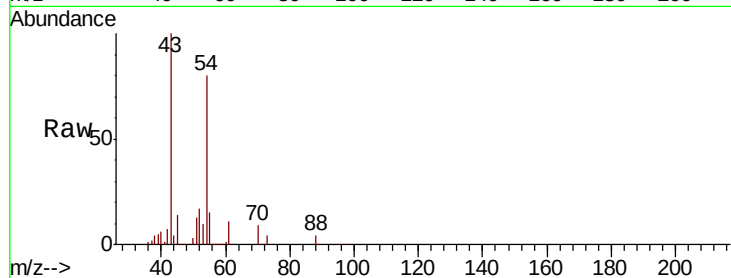




#37
Ethyl Acetate
Concen: 50.173 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012268.D
Acq: 28 Aug 2019 22:34

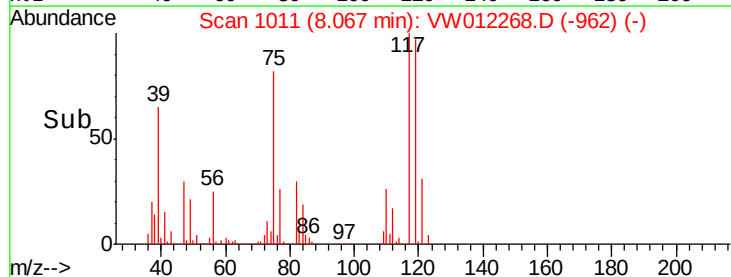
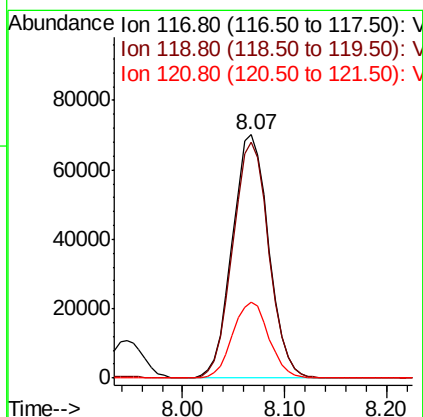
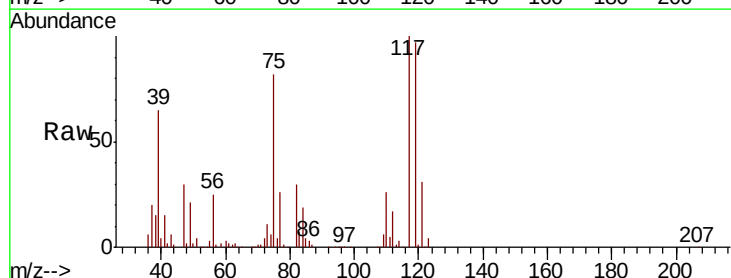
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

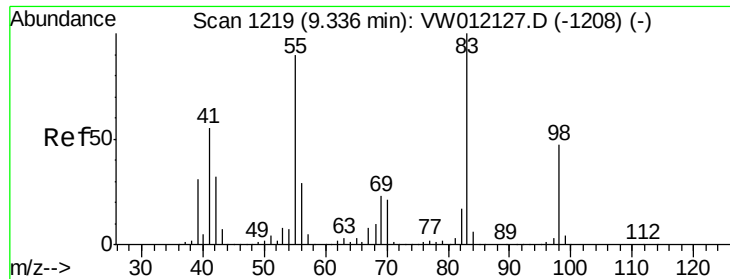
Tgt Ion: 43 Resp: 112272
Ion Ratio Lower Upper
43 100
61 11.8 9.2 13.8
70 8.8 6.9 10.3



#38
Carbon Tetrachloride
Concen: 49.154 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012268.D
Acq: 28 Aug 2019 22:34

Tgt Ion: 117 Resp: 173730
Ion Ratio Lower Upper
117 100
119 96.9 76.2 114.2
121 30.9 23.8 35.8

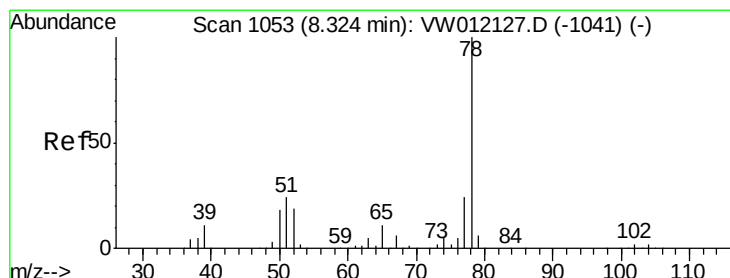
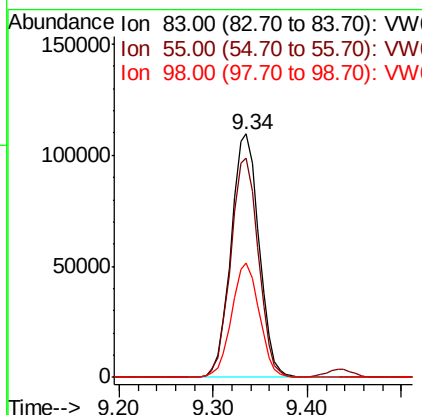
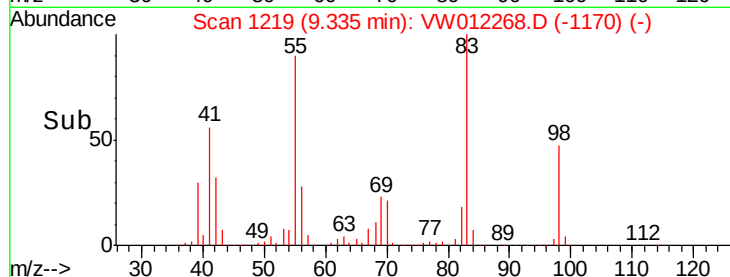
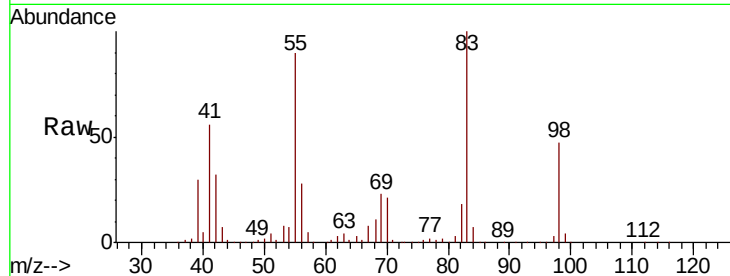




#39
Methylcyclohexane
Concen: 49.533 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012268.D
Acq: 28 Aug 2019 22:34

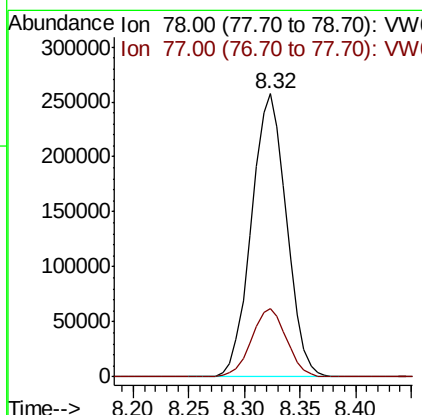
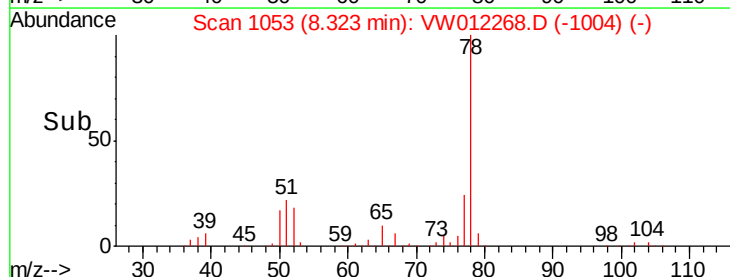
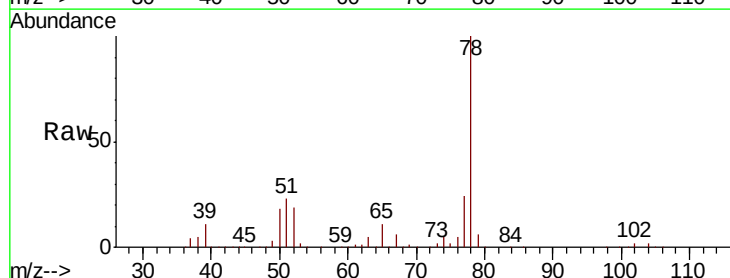
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

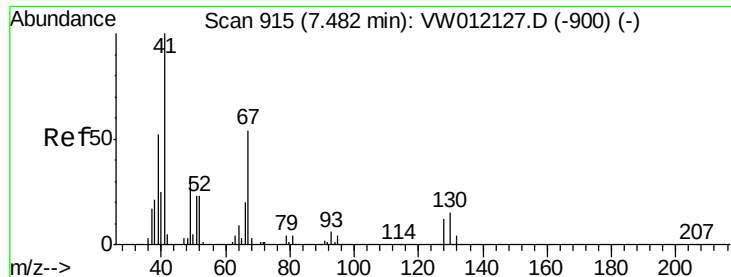
Tgt Ion: 83 Resp: 227232
Ion Ratio Lower Upper
83 100
55 90.1 71.8 107.8
98 47.0 37.8 56.8



#40
Benzene
Concen: 50.616 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012268.D
Acq: 28 Aug 2019 22:34

Tgt Ion: 78 Resp: 564385
Ion Ratio Lower Upper
78 100
77 24.4 19.5 29.3

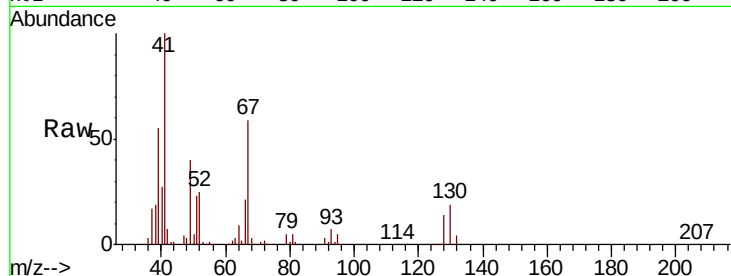




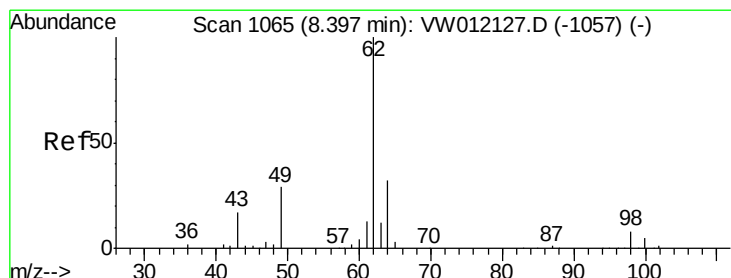
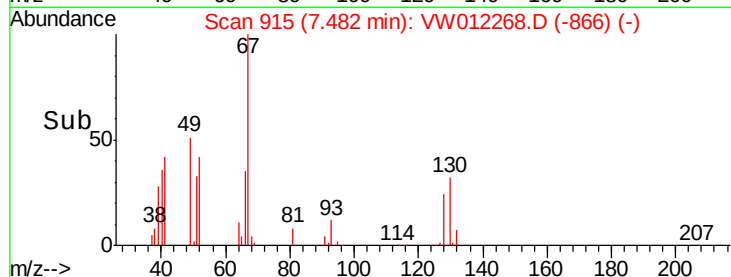
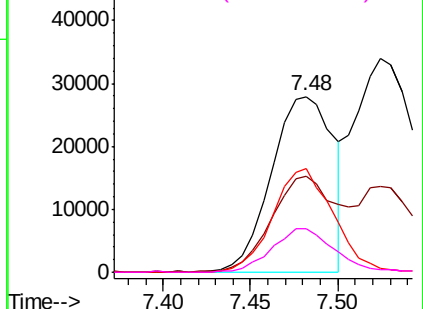
#41
Methacrylonitrile
Concen: 52.452 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW012268.D
Acq: 28 Aug 2019 22:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:	41	Resp:	68984
Ion	Ratio	Lower	Upper
41	100		
39	59.2	45.8	68.8
67	58.3	46.2	69.4
52	25.4	21.0	31.6

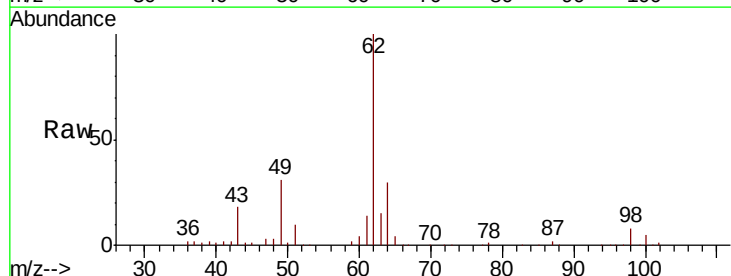


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

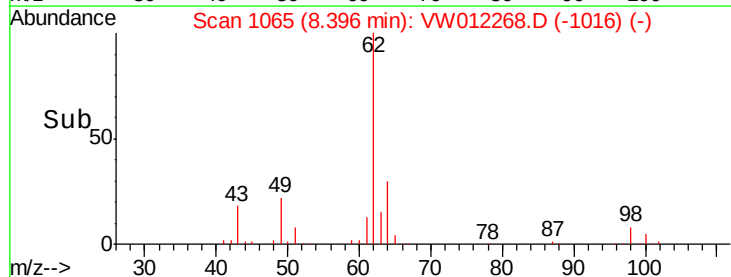
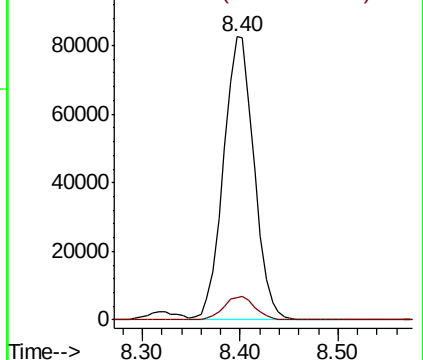


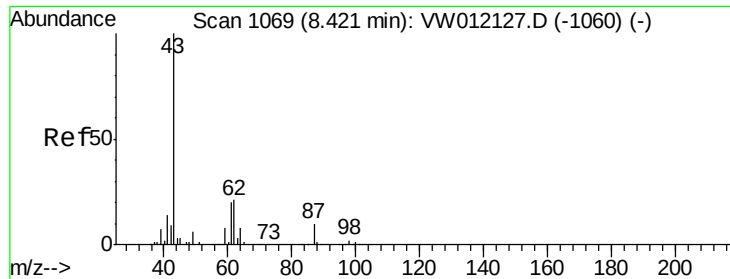
#42
1,2-Dichloroethane
Concen: 51.001 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012268.D
Acq: 28 Aug 2019 22:34

Tgt Ion:	62	Resp:	178230
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	16.6



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

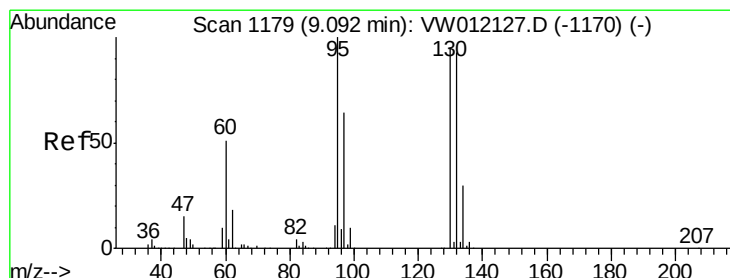
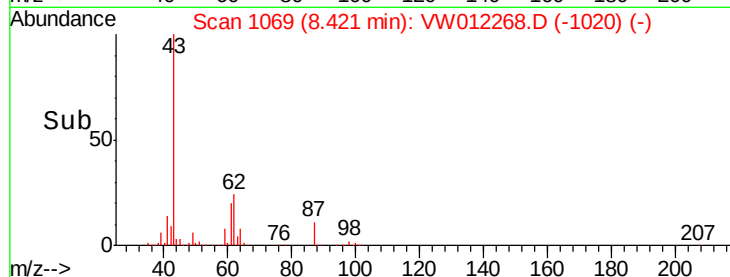
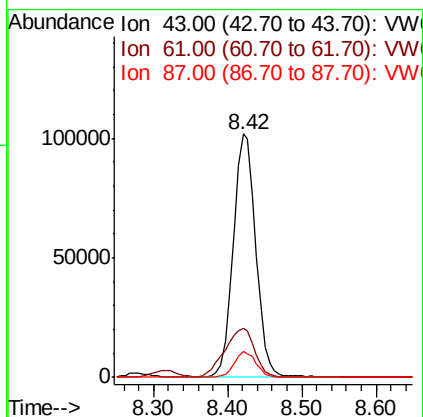
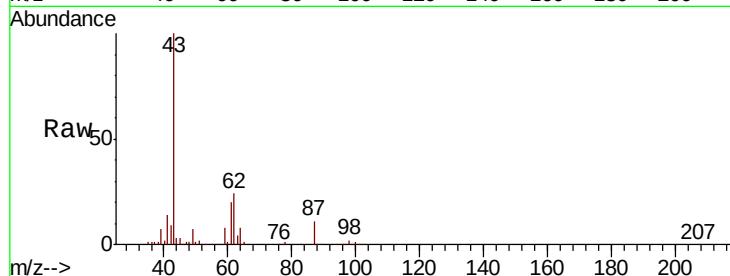




#43
Isopropyl Acetate
Concen: 51.938 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.00 min
Lab File: VW012268.D
Acq: 28 Aug 2019 22:34

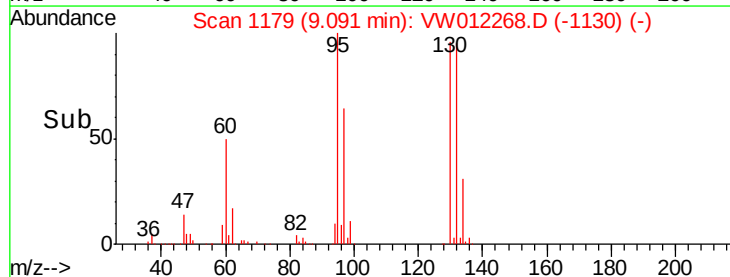
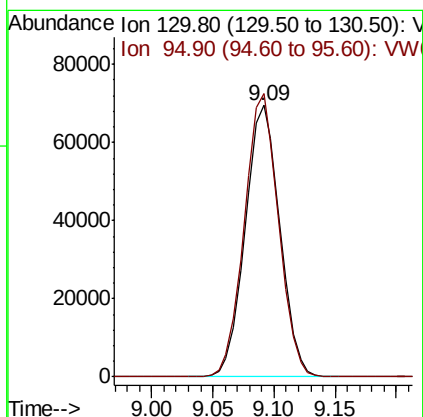
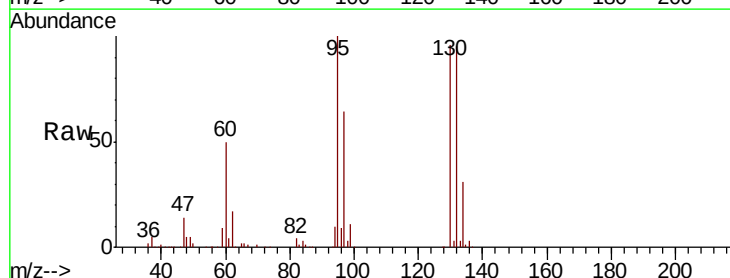
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

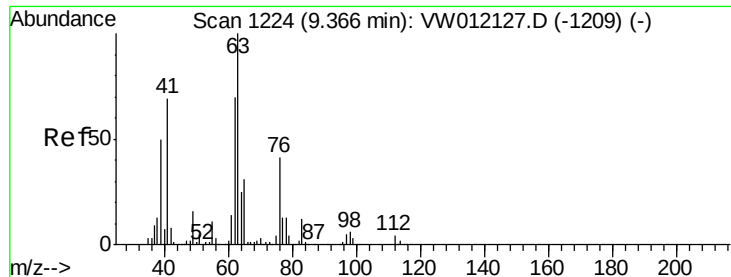
Tgt Ion: 43 Resp: 215281
Ion Ratio Lower Upper
43 100
61 26.7 21.1 31.7
87 10.3 8.2 12.2



#44
Trichloroethene
Concen: 50.563 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW012268.D
Acq: 28 Aug 2019 22:34

Tgt Ion: 130 Resp: 137057
Ion Ratio Lower Upper
130 100
95 104.1 0.0 210.6

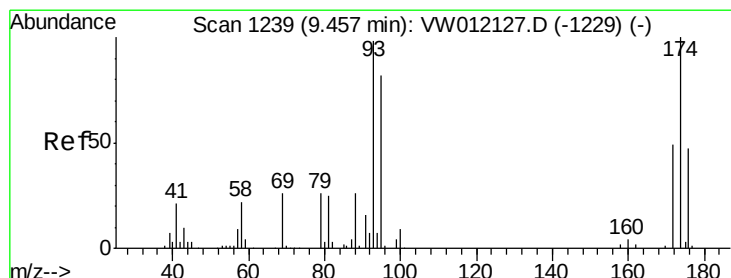
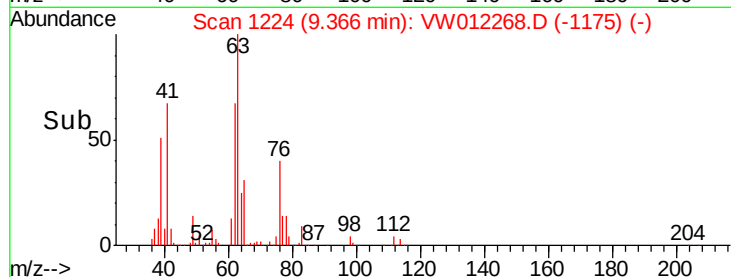
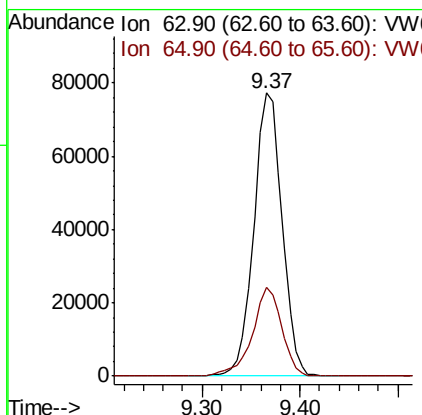
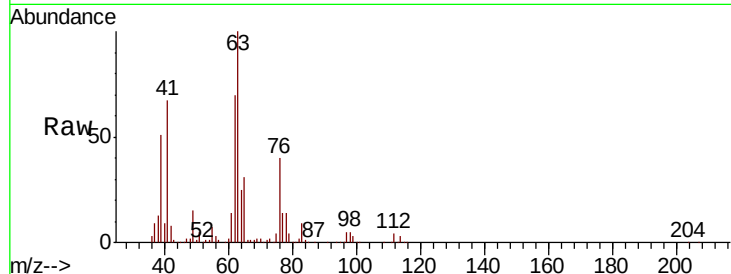




#45
 1,2-Dichloropropane
 Concen: 51.548 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW012268.D
 Acq: 28 Aug 2019 22:34

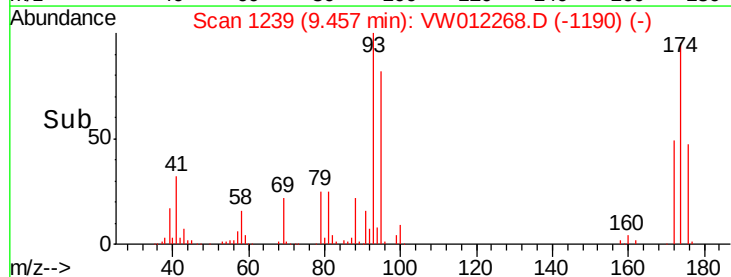
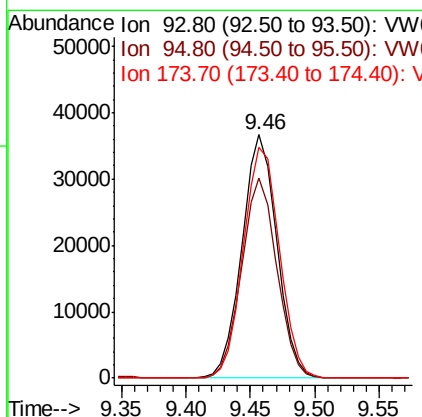
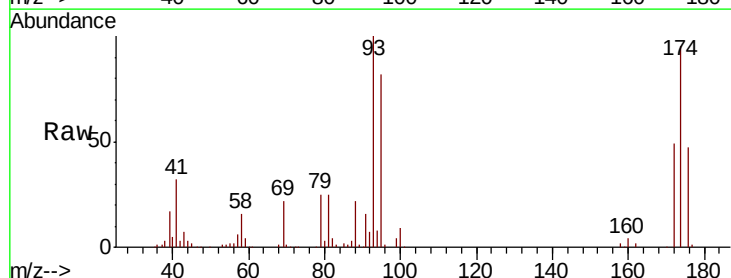
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

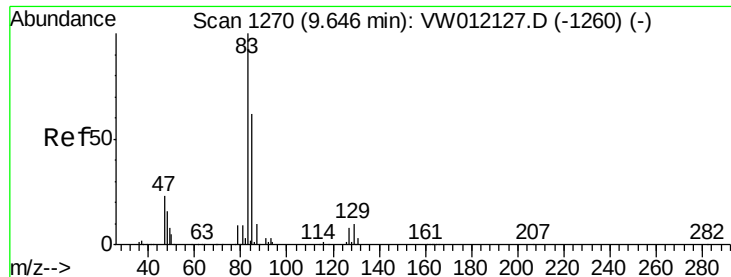
Tgt Ion: 63 Resp: 154691
 Ion Ratio Lower Upper
 63 100
 65 31.5 25.0 37.4



#46
 Dibromomethane
 Concen: 51.636 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW012268.D
 Acq: 28 Aug 2019 22:34

Tgt Ion: 93 Resp: 68944
 Ion Ratio Lower Upper
 93 100
 95 83.0 67.2 100.8
 174 98.2 79.0 118.6





#47

Bromodichloromethane

Concen: 52.045 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW012268.D

Acq: 28 Aug 2019 22:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

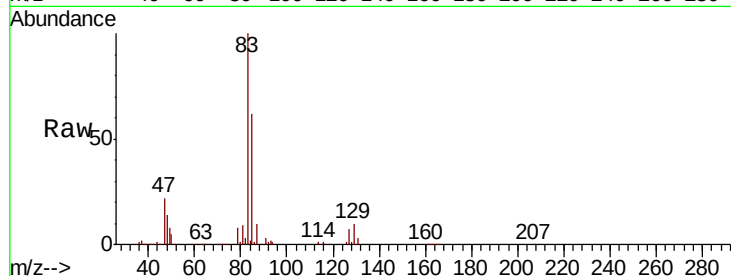
Tgt Ion: 83 Resp: 184941

Ion Ratio Lower Upper

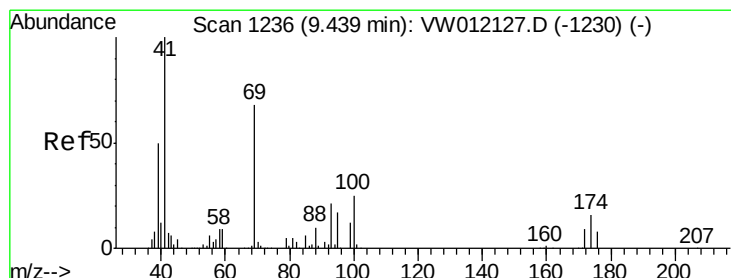
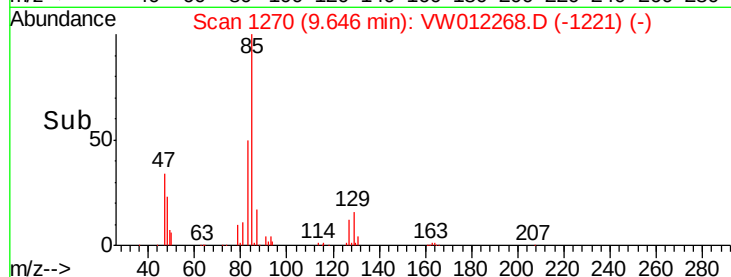
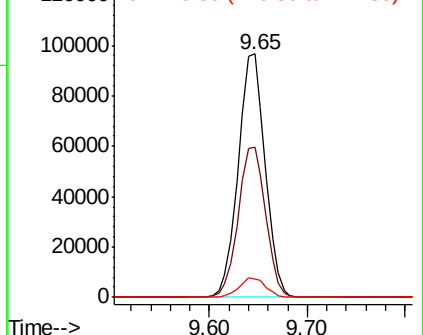
83 100

85 61.9 49.4 74.2

127 7.3 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: 52.007 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VW012268.D

Acq: 28 Aug 2019 22:34

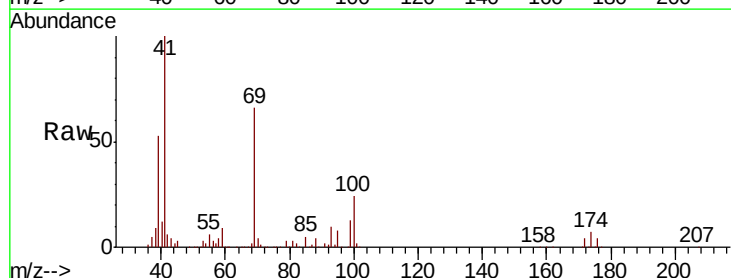
Tgt Ion: 41 Resp: 102598

Ion Ratio Lower Upper

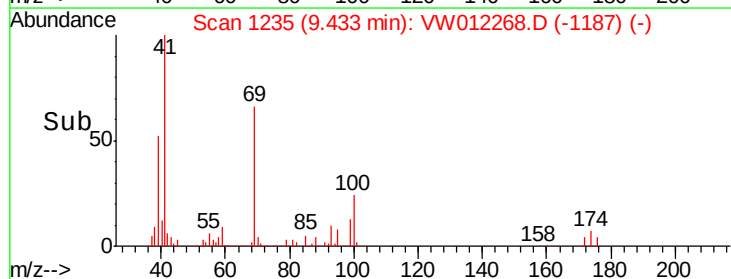
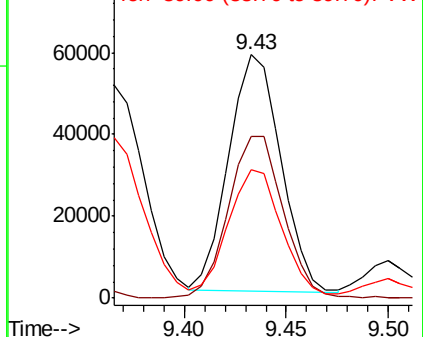
41 100

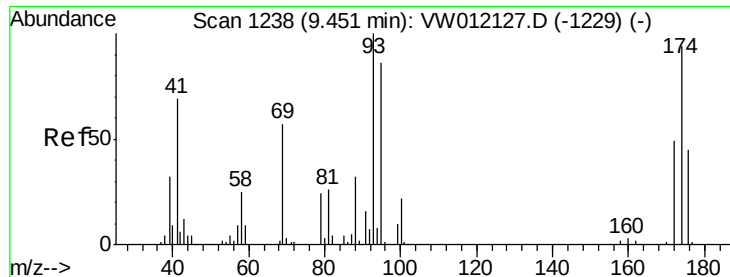
69 72.1 56.7 85.1

39 52.8 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

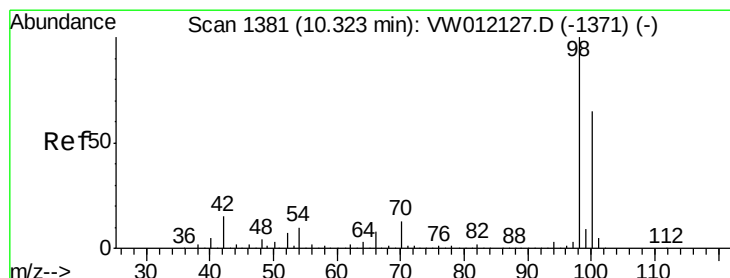
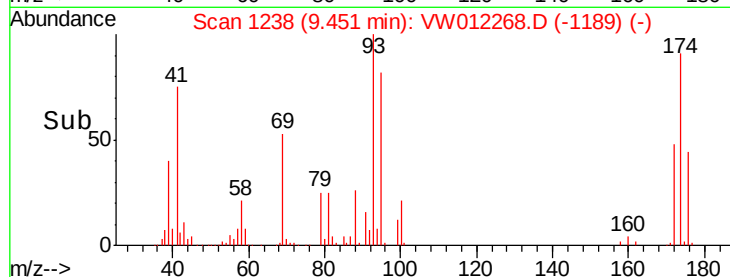
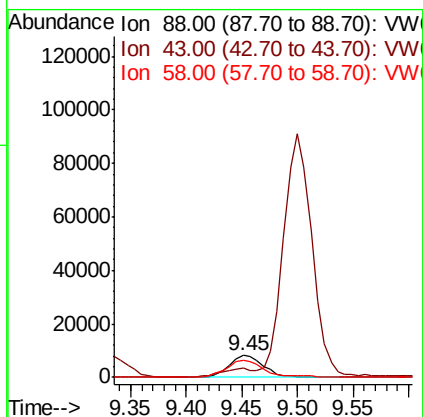
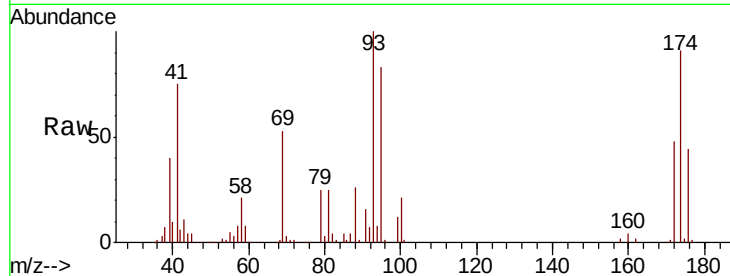




#49
1,4-Dioxane
Concen: 866.088 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. -0.00 min
Lab File: VW012268.D
Acq: 28 Aug 2019 22:34

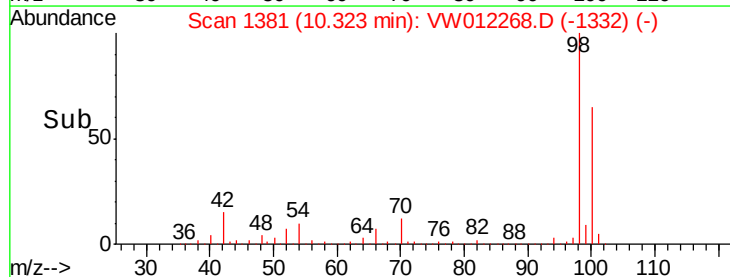
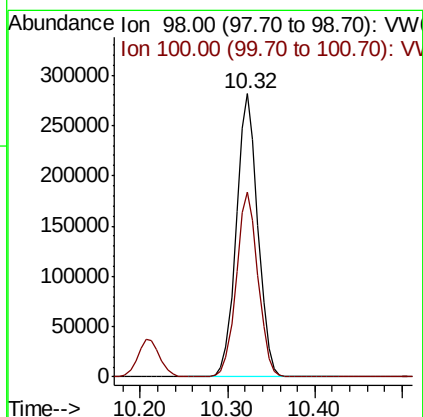
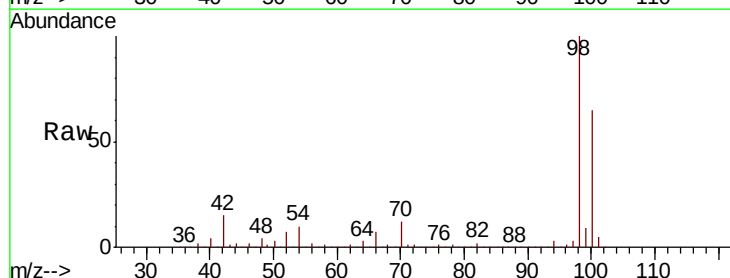
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

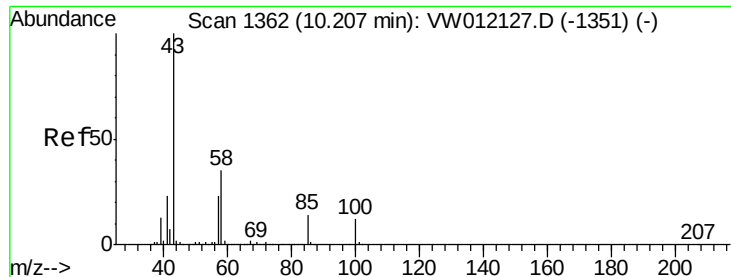
Tgt Ion: 88 Resp: 17703
Ion Ratio Lower Upper
88 100
43 38.9 32.9 49.3
58 85.2 71.0 106.4



#50
Toluene-d8
Concen: 50.412 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012268.D
Acq: 28 Aug 2019 22:34

Tgt Ion: 98 Resp: 482139
Ion Ratio Lower Upper
98 100
100 65.5 52.4 78.6





#51

4-Methyl-2-Pentanone

Concen: 258.746 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW012268.D

Acq: 28 Aug 2019 22:34

Instrument :

MSVOA_W

ClientSampleId :

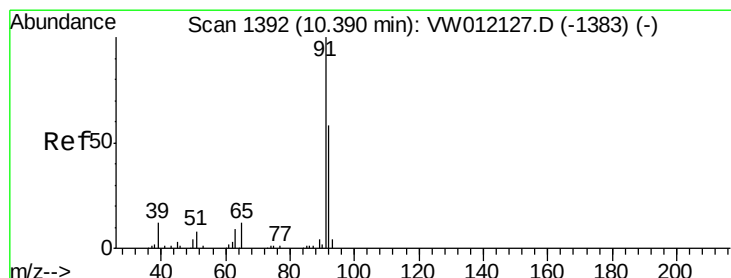
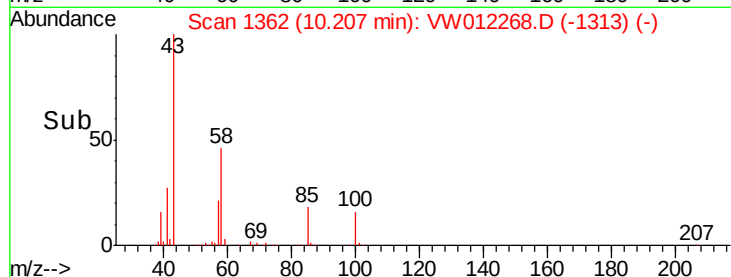
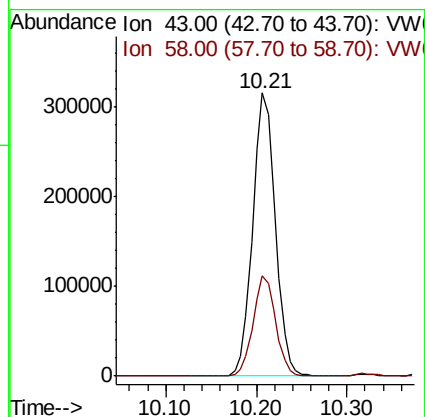
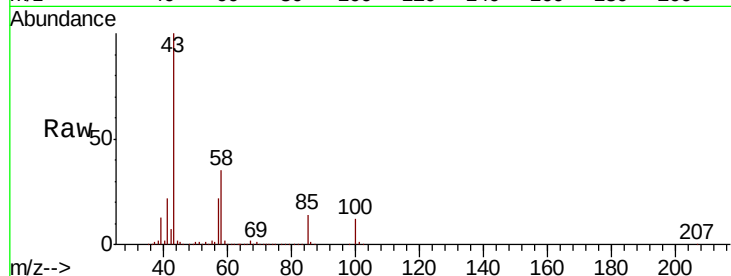
VSTDCCC050

Tgt Ion: 43 Resp: 545499

Ion Ratio Lower Upper

43 100

58 35.1 28.2 42.2



#52

Toluene

Concen: 51.273 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW012268.D

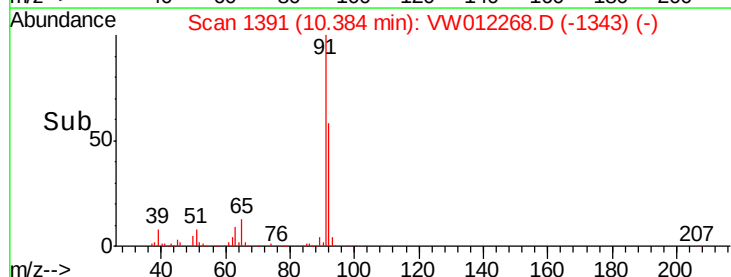
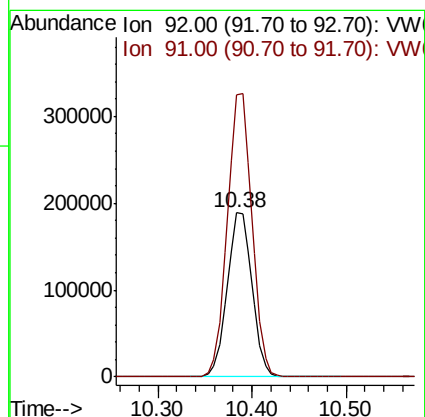
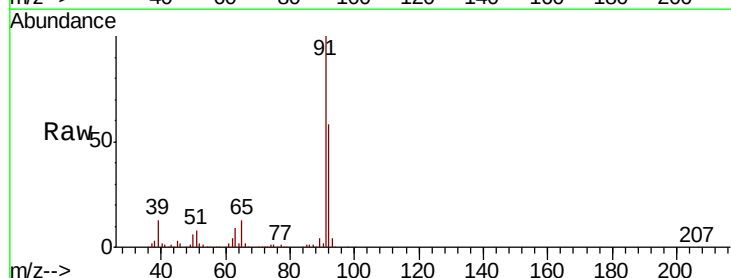
Acq: 28 Aug 2019 22:34

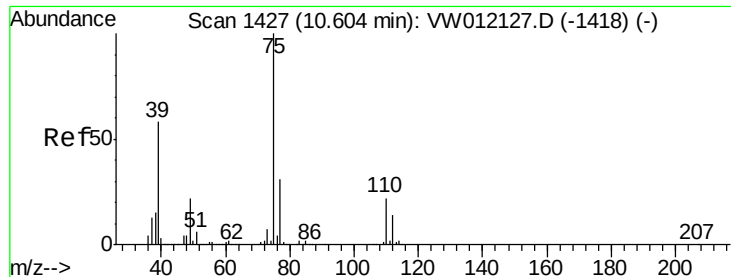
Tgt Ion: 92 Resp: 343450

Ion Ratio Lower Upper

92 100

91 171.8 136.6 204.8

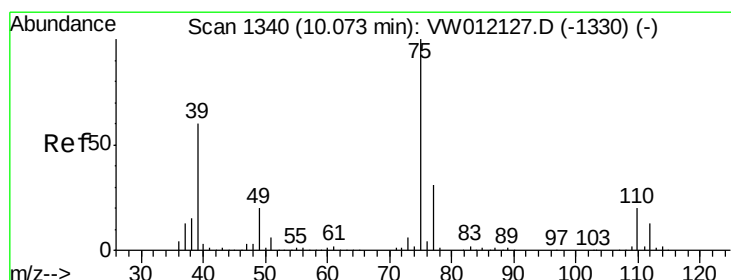
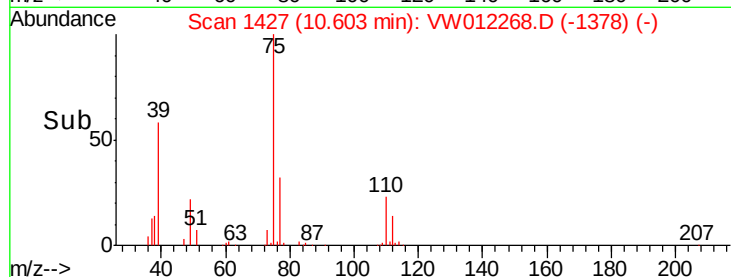
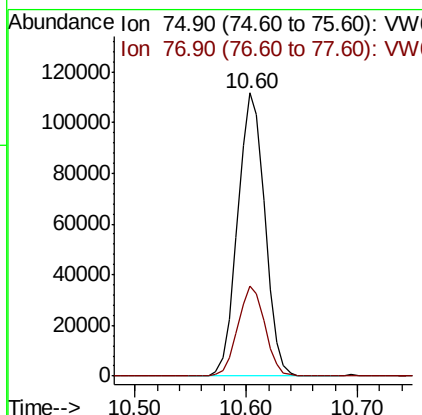
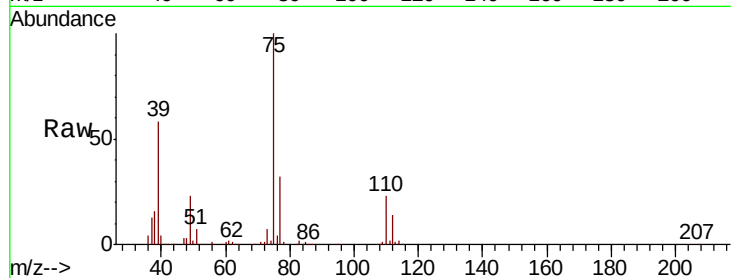




#53
 t-1,3-Dichloropropene
 Concen: 52.190 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW012268.D
 Acq: 28 Aug 2019 22:34

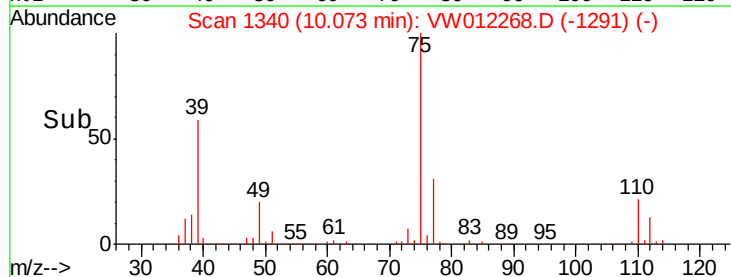
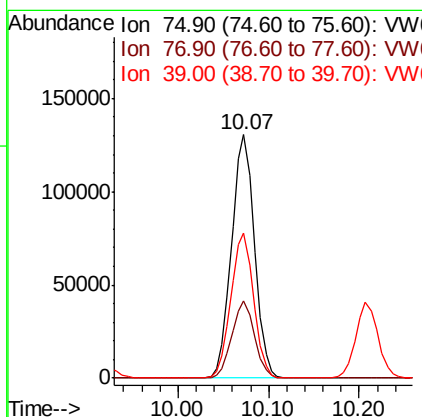
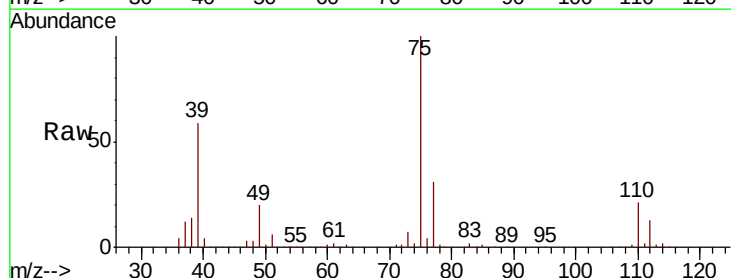
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

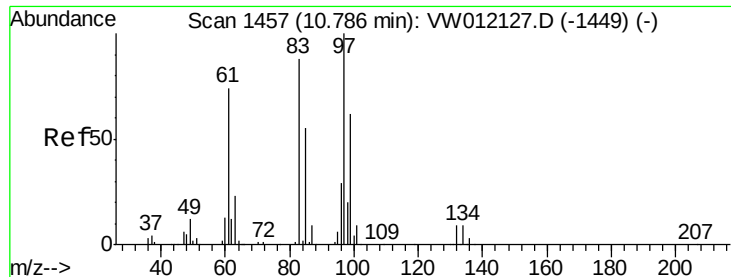
Tgt Ion: 75 Resp: 188911
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.0 37.4



#54
 cis-1,3-Dichloropropene
 Concen: 52.308 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW012268.D
 Acq: 28 Aug 2019 22:34

Tgt Ion: 75 Resp: 228616
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.1 37.7
 39 59.4 48.3 72.5

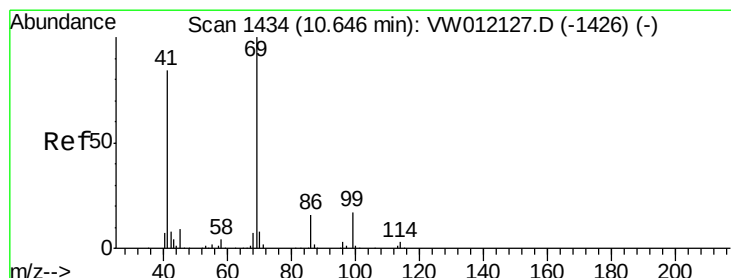
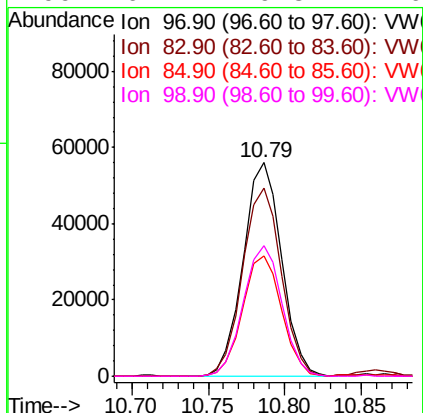
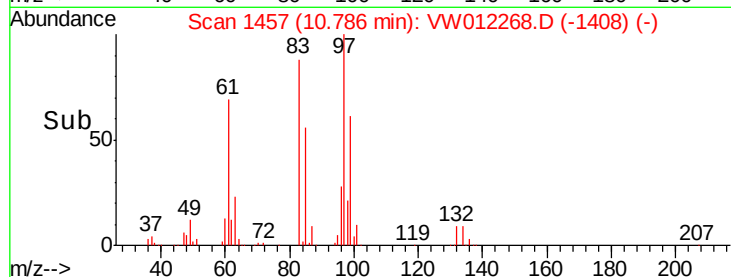
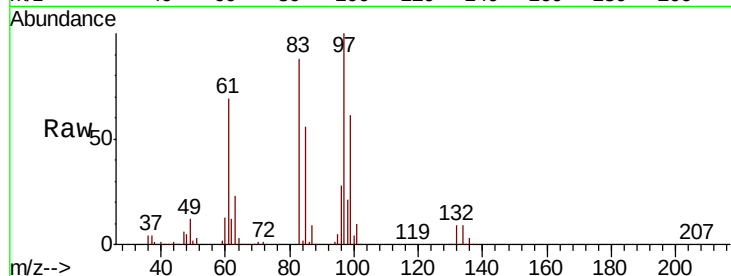




#55
 1,1,2-Trichloroethane
 Concen: 51.950 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012268.D
 Acq: 28 Aug 2019 22:34

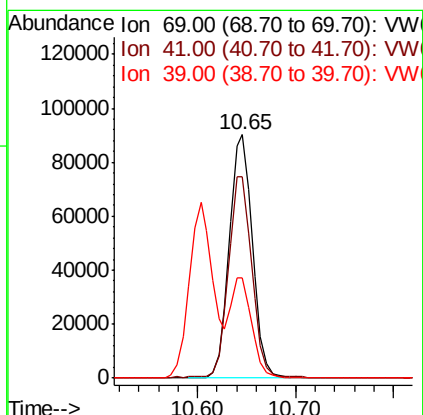
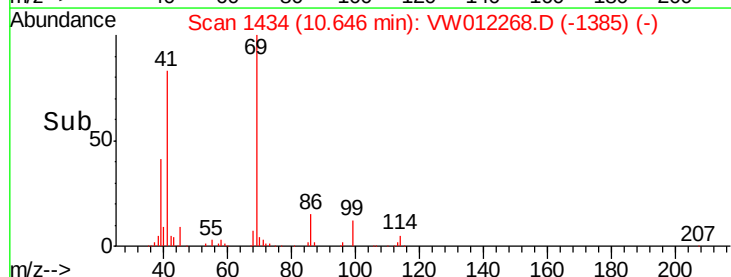
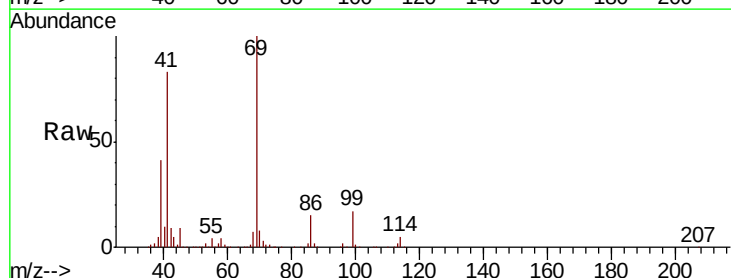
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

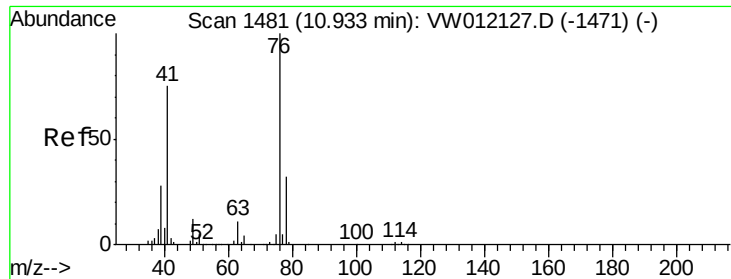
Tgt Ion:	97	Resp:	98139
Ion	Ratio	Lower	Upper
97	100		
83	88.2	70.8	106.2
85	56.2	43.8	65.8
99	61.1	49.8	74.6



#56
 Ethyl methacrylate
 Concen: 53.740 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012268.D
 Acq: 28 Aug 2019 22:34

Tgt Ion:	69	Resp:	147754
Ion	Ratio	Lower	Upper
69	100		
41	84.1	66.5	99.7
39	37.0	31.0	46.4

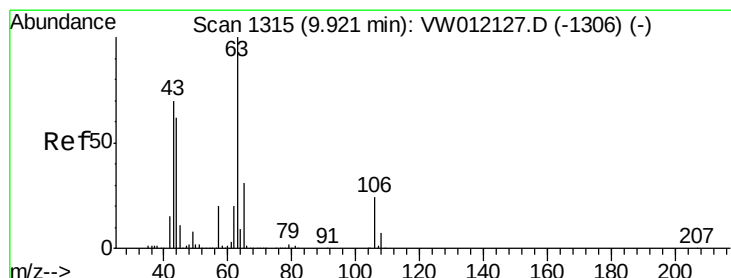
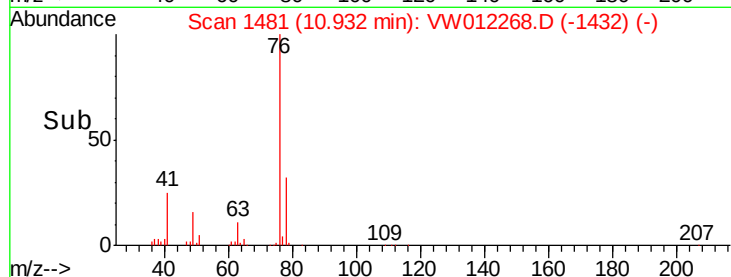
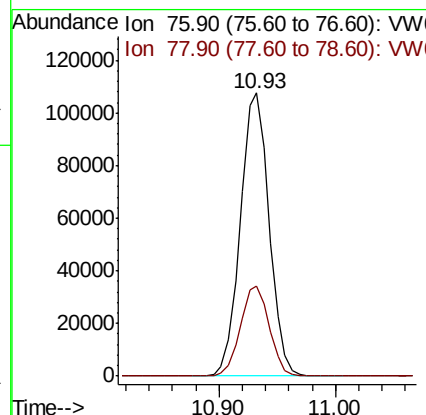
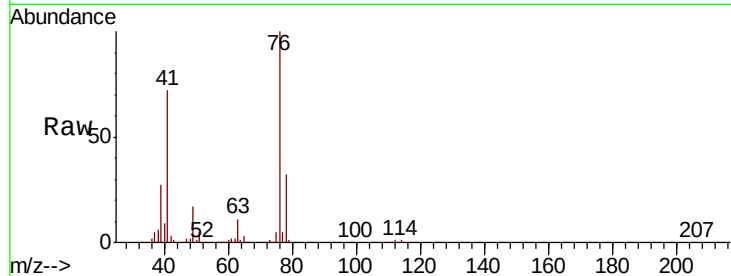




#57
 1,3-Dichloropropane
 Concen: 51.822 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012268.D
 Acq: 28 Aug 2019 22:34

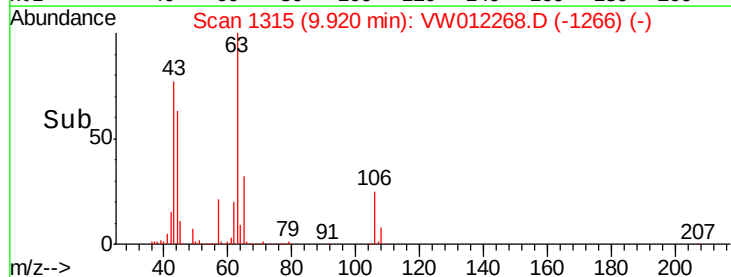
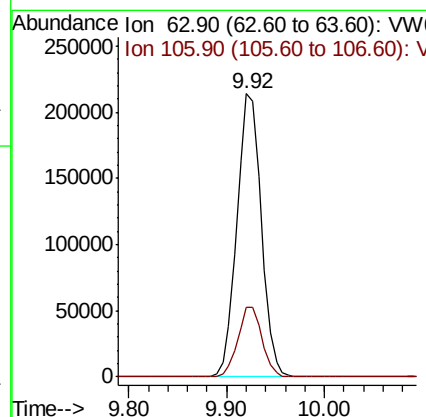
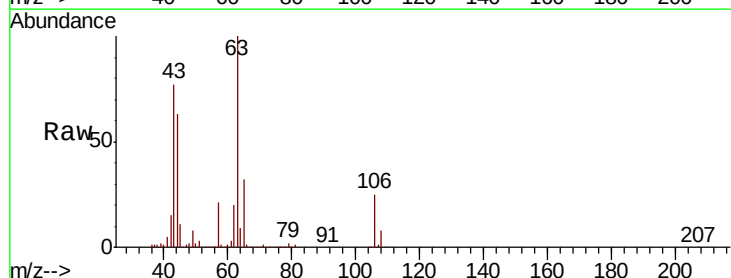
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

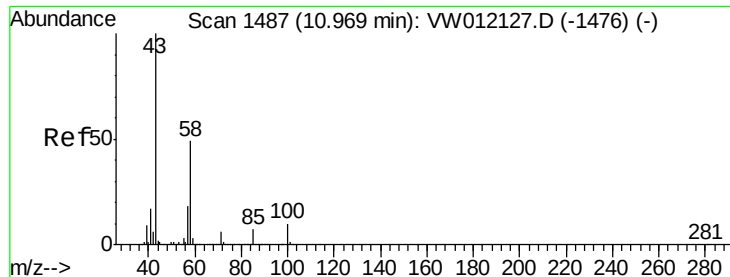
Tgt Ion: 76 Resp: 185002
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 262.726 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012268.D
 Acq: 28 Aug 2019 22:34

Tgt Ion: 63 Resp: 370726
 Ion Ratio Lower Upper
 63 100
 106 24.6 19.8 29.8

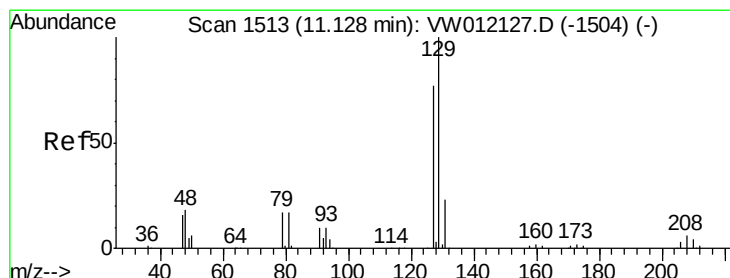
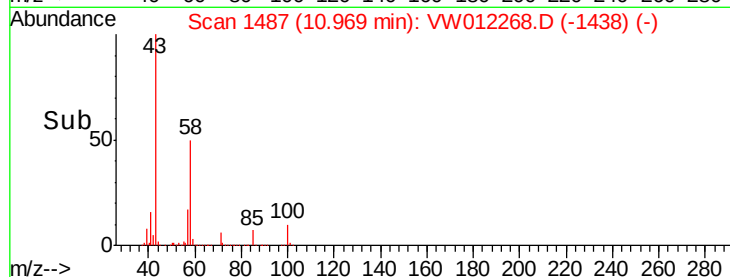
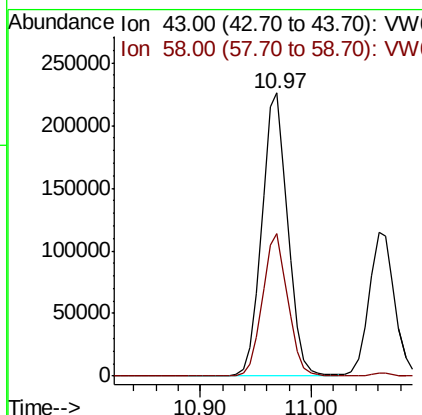
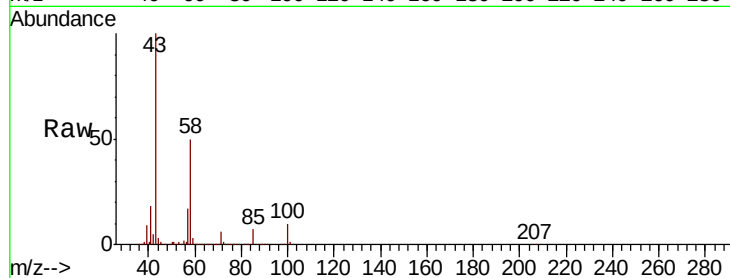




#59
2-Hexanone
Concen: 245.965 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012268.D
Acq: 28 Aug 2019 22:34

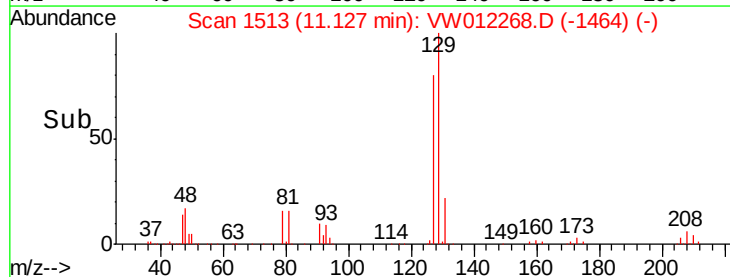
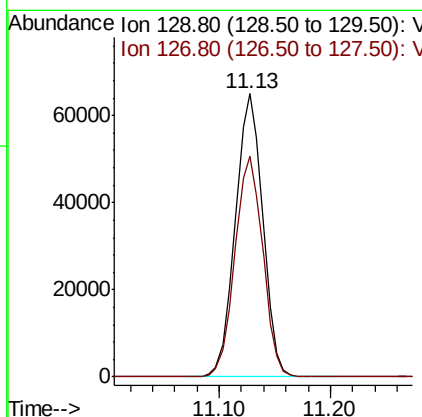
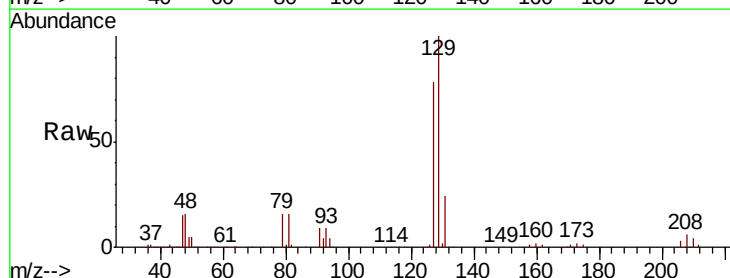
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

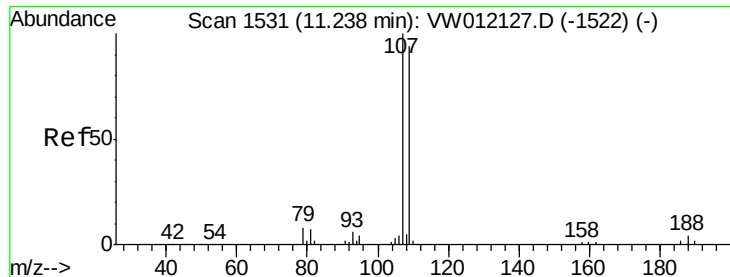
Tgt Ion: 43 Resp: 366911
Ion Ratio Lower Upper
43 100
58 49.3 24.3 72.9



#60
Dibromochloromethane
Concen: 52.641 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012268.D
Acq: 28 Aug 2019 22:34

Tgt Ion: 129 Resp: 110765
Ion Ratio Lower Upper
129 100
127 79.2 38.6 115.8





#61

1,2-Dibromoethane

Concen: 51.723 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW012268.D

Acq: 28 Aug 2019 22:34

Instrument :

MSVOA_W

ClientSampleId :

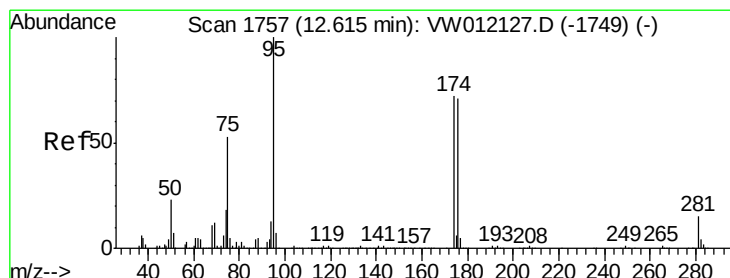
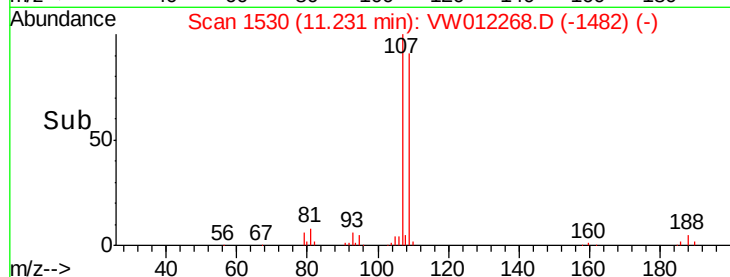
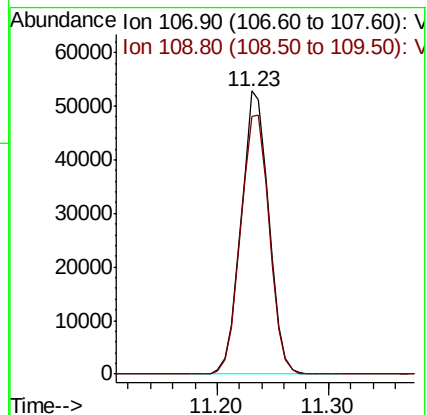
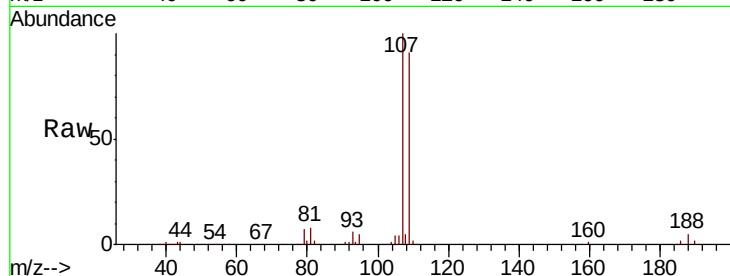
VSTDCCC050

Tgt Ion: 107 Resp: 91029

Ion Ratio Lower Upper

107 100

109 94.7 75.4 113.2



#62

4-Bromofluorobenzene

Concen: 50.612 ug/l

RT: 12.61 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012268.D

Acq: 28 Aug 2019 22:34

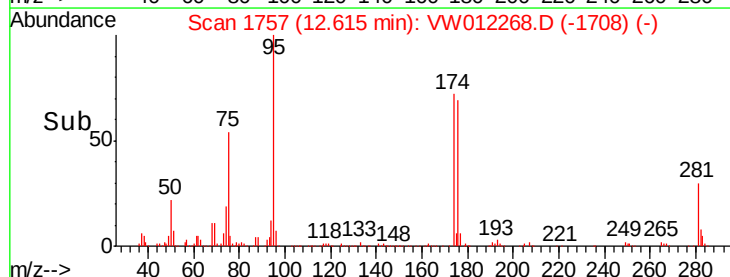
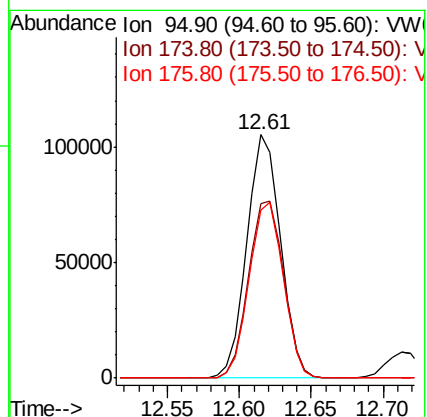
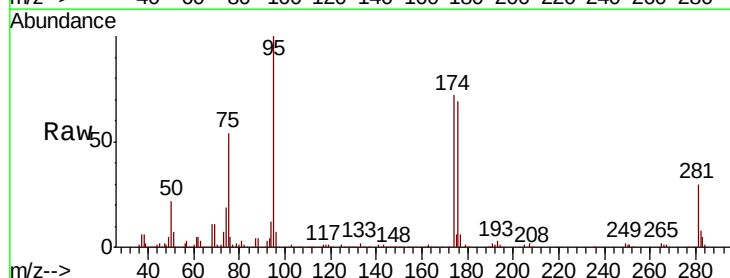
Tgt Ion: 95 Resp: 170626

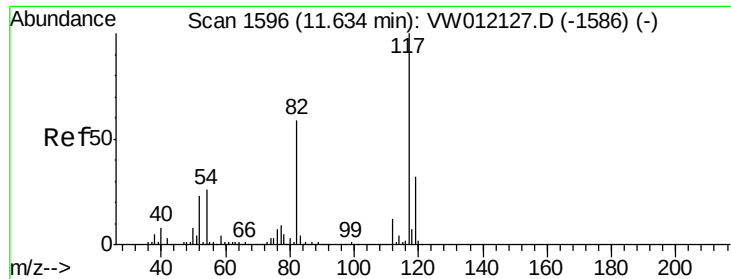
Ion Ratio Lower Upper

95 100

174 76.3 0.0 150.8

176 73.2 0.0 148.6

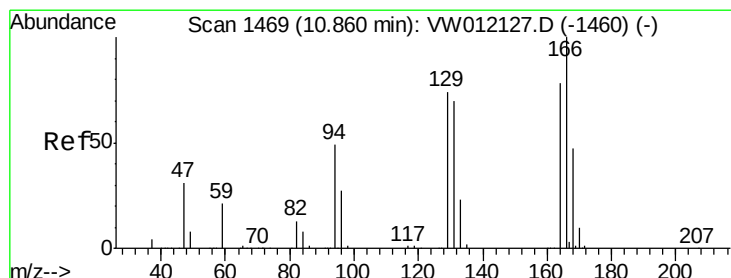
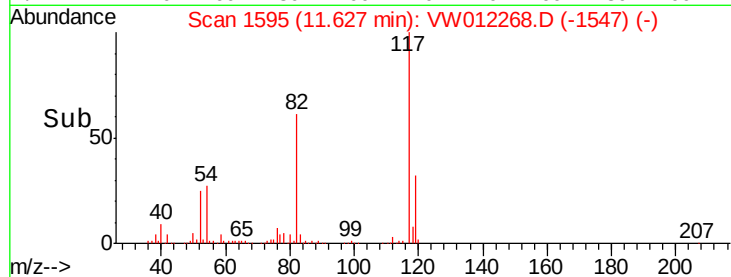
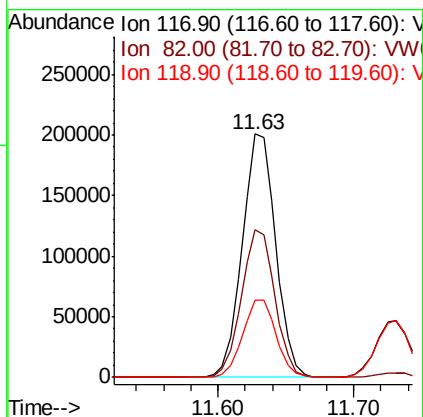
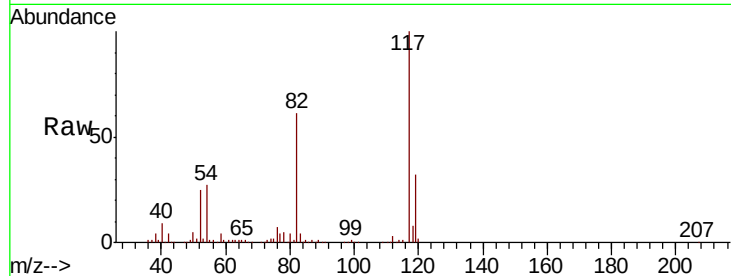




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012268.D
Acq: 28 Aug 2019 22:34

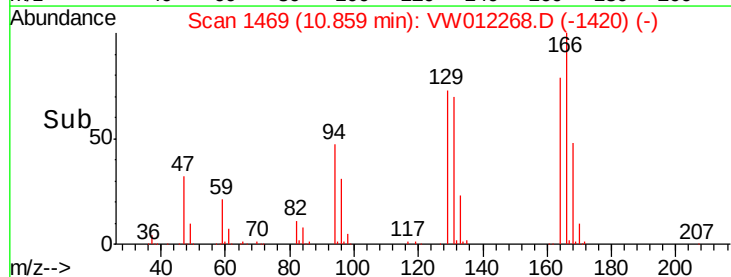
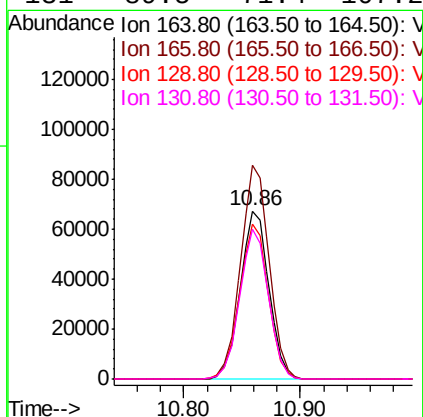
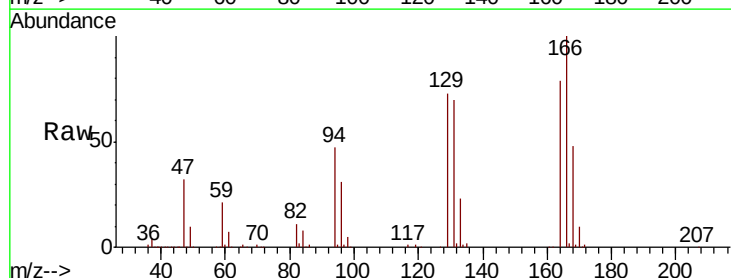
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

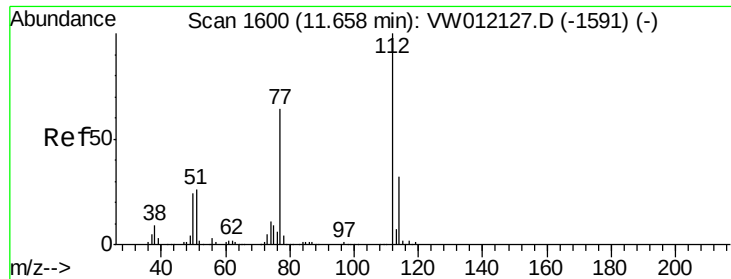
Tgt Ion:117 Resp: 344890
Ion Ratio Lower Upper
117 100
82 60.7 47.4 71.2
119 31.8 25.4 38.2



#64
Tetrachloroethene
Concen: 51.320 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012268.D
Acq: 28 Aug 2019 22:34

Tgt Ion:164 Resp: 114752
Ion Ratio Lower Upper
164 100
166 127.3 102.4 153.6
129 92.6 75.8 113.6
131 89.5 71.4 107.2

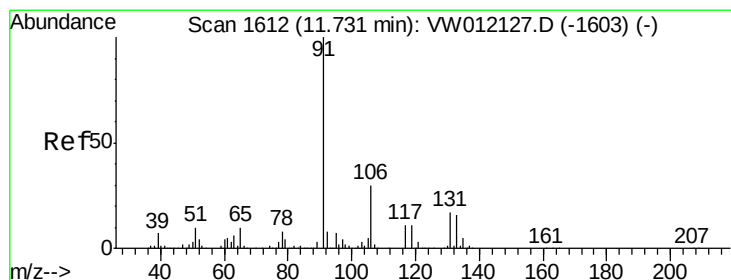
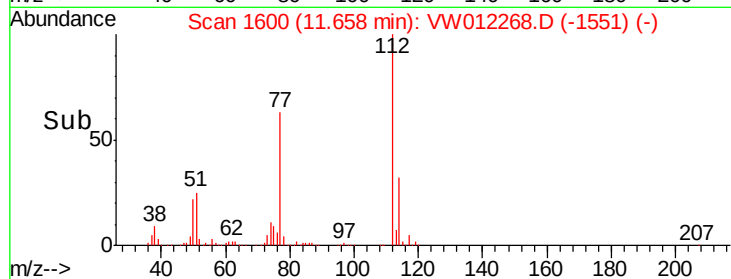
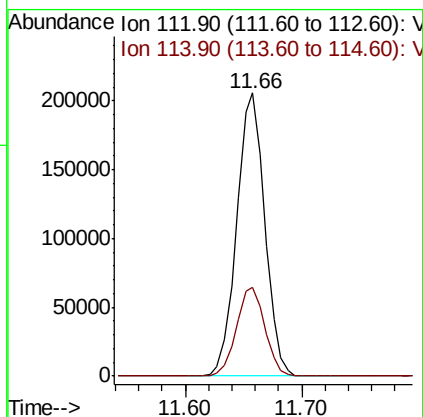
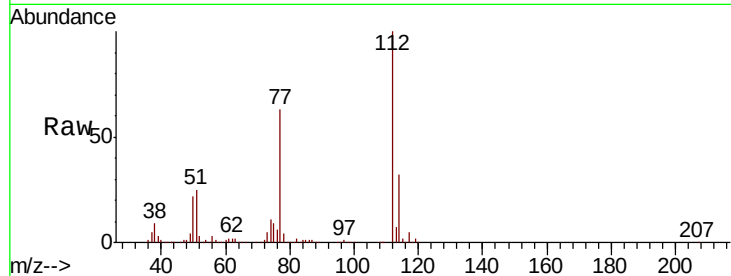




#65
Chlorobenzene
Concen: 50.820 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012268.D
Acq: 28 Aug 2019 22:34

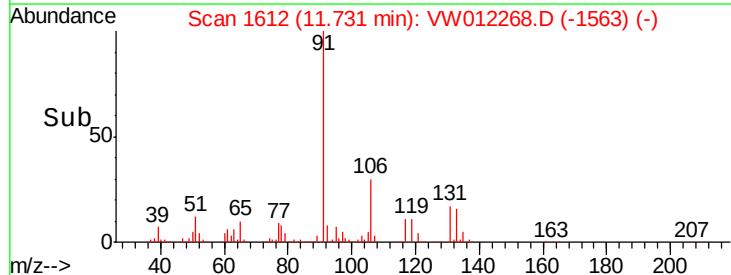
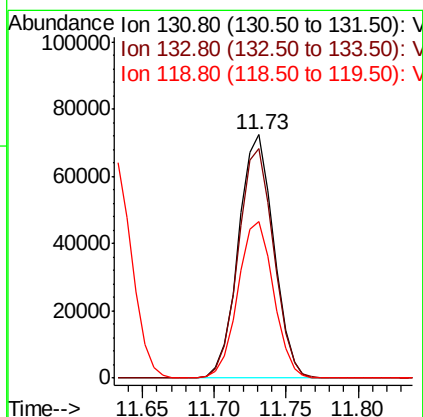
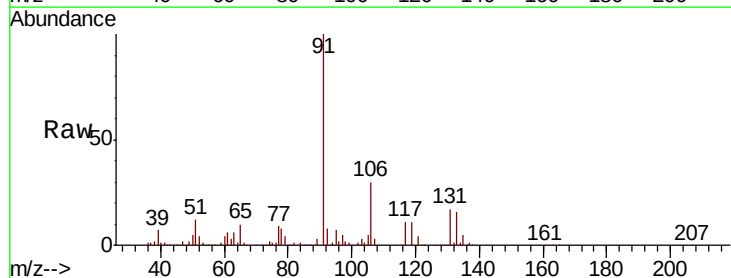
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

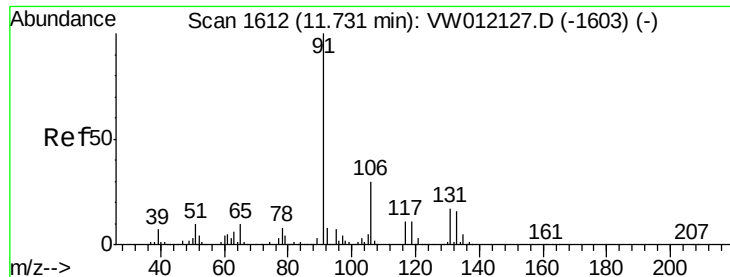
Tgt Ion:112 Resp: 345129
Ion Ratio Lower Upper
112 100
114 31.5 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 51.838 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012268.D
Acq: 28 Aug 2019 22:34

Tgt Ion:131 Resp: 122812
Ion Ratio Lower Upper
131 100
133 95.1 47.1 141.3
119 65.0 31.8 95.3

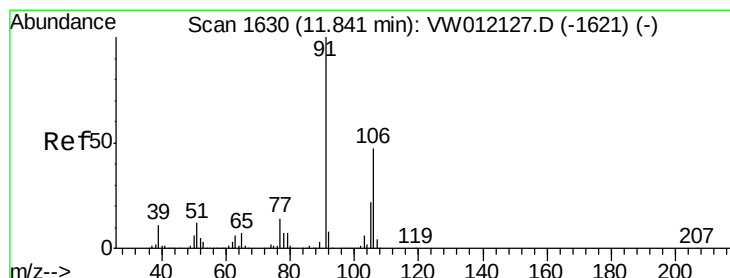
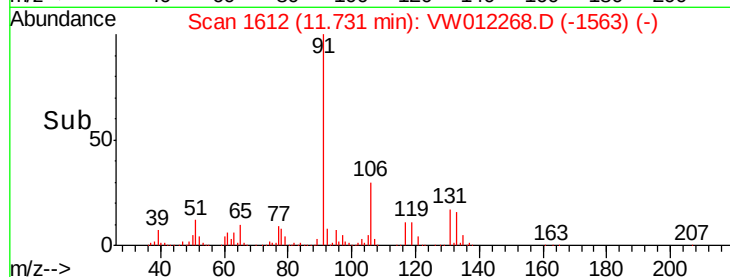
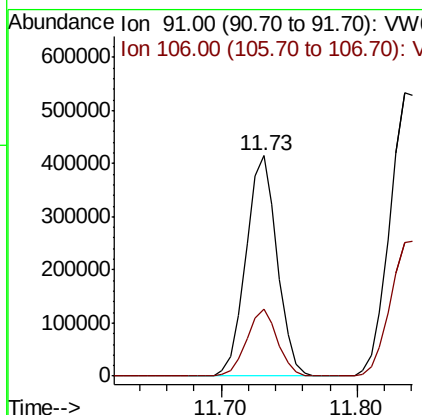
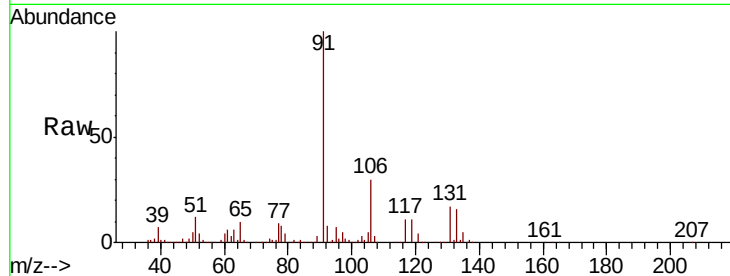




#67
Ethyl Benzene
Concen: 50.869 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012268.D
Acq: 28 Aug 2019 22:34

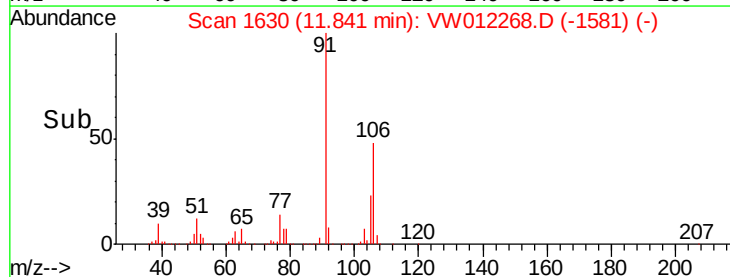
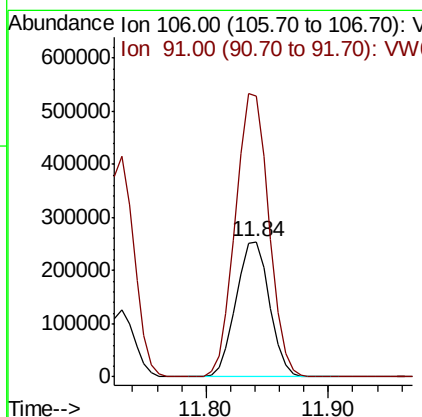
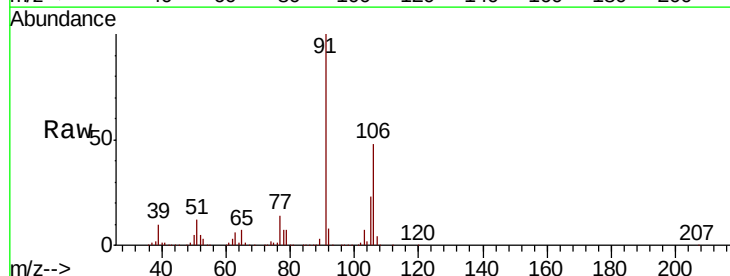
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

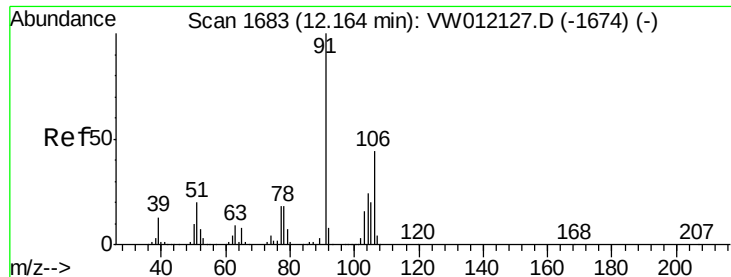
Tgt Ion: 91 Resp: 665469
Ion Ratio Lower Upper
91 100
106 30.3 24.3 36.5



#68
m/p-Xylenes
Concen: 102.225 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW012268.D
Acq: 28 Aug 2019 22:34

Tgt Ion: 106 Resp: 481714
Ion Ratio Lower Upper
106 100
91 209.9 169.5 254.3

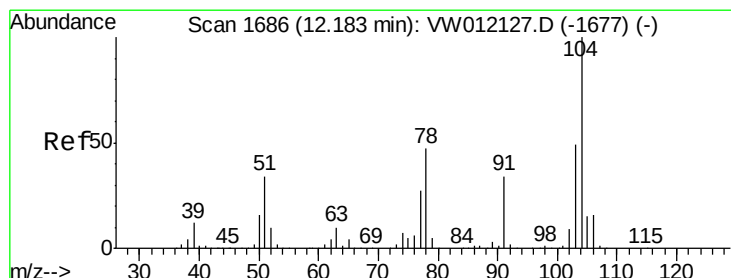
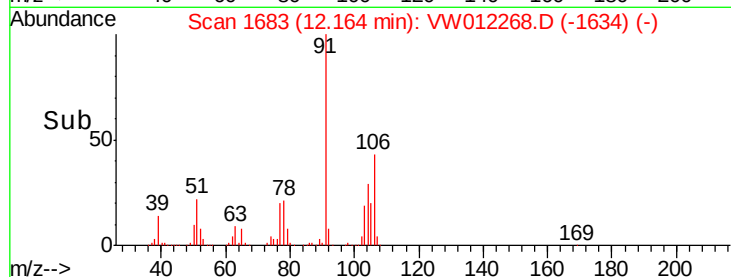
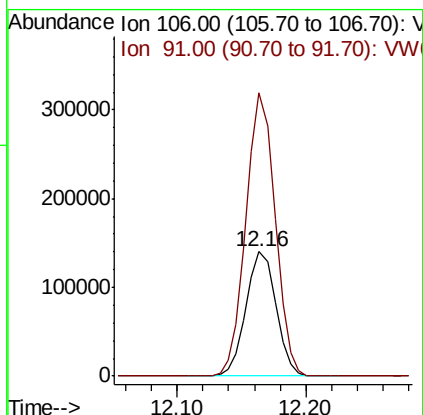
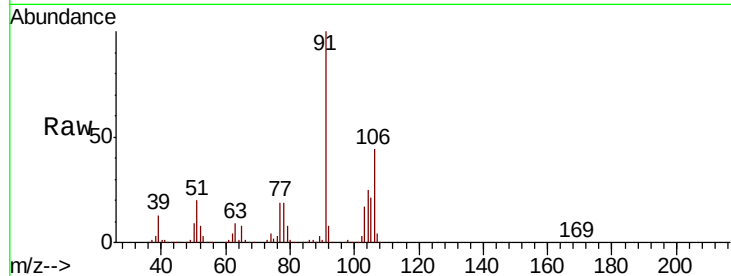




#69
o-Xylene
Concen: 51.873 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012268.D
Acq: 28 Aug 2019 22:34

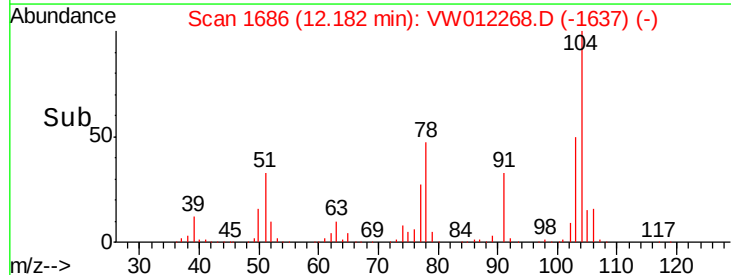
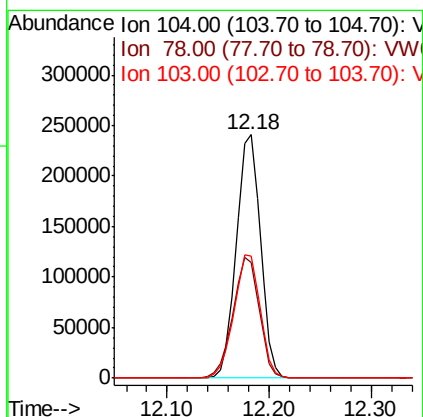
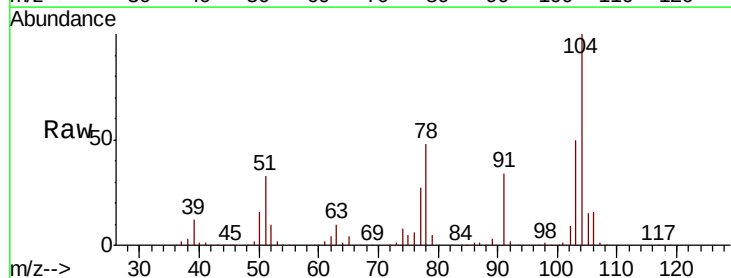
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

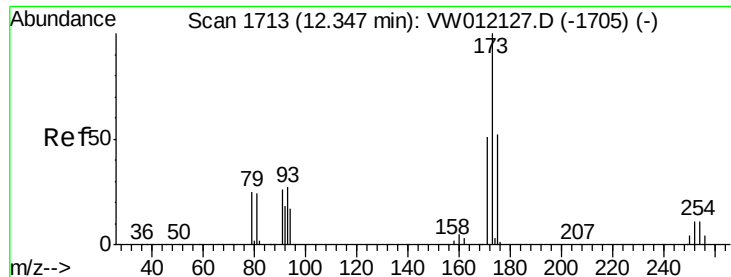
Tgt Ion:106 Resp: 226240
Ion Ratio Lower Upper
106 100
91 221.7 111.6 334.6



#70
Styrene
Concen: 52.106 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012268.D
Acq: 28 Aug 2019 22:34

Tgt Ion:104 Resp: 393359
Ion Ratio Lower Upper
104 100
78 54.0 43.1 64.7
103 54.6 43.5 65.3





#71

Bromoform

Concen: 53.456 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012268.D

Acq: 28 Aug 2019 22:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

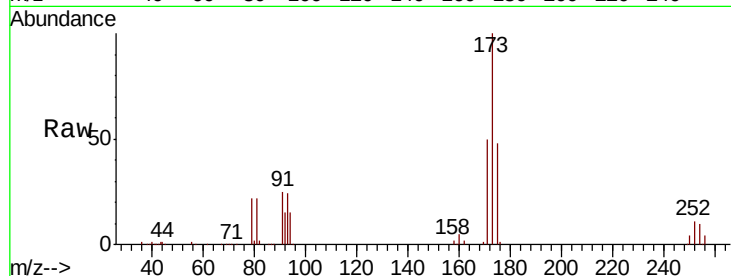
Tgt Ion:173 Resp: 63099

Ion Ratio Lower Upper

173 100

175 48.3 24.6 74.0

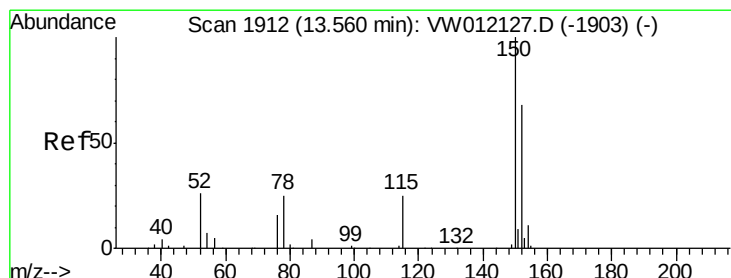
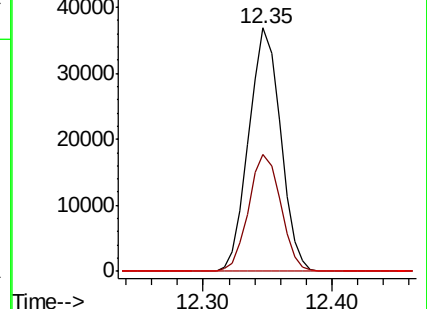
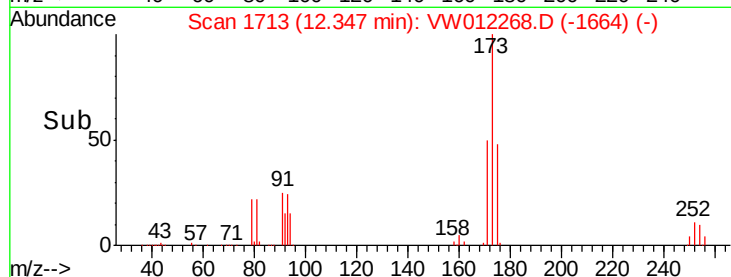
254 0.1 0.2 0.2#



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: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012268.D

Acq: 28 Aug 2019 22:34

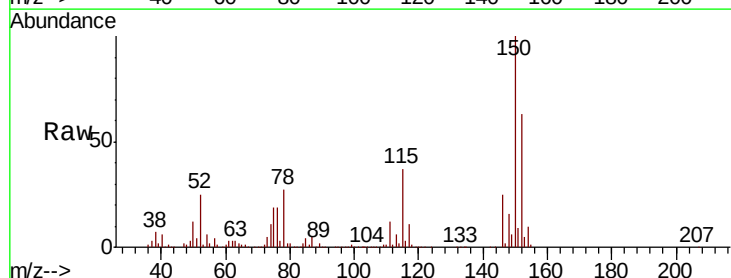
Tgt Ion:152 Resp: 164615

Ion Ratio Lower Upper

152 100

115 59.5 30.1 90.3

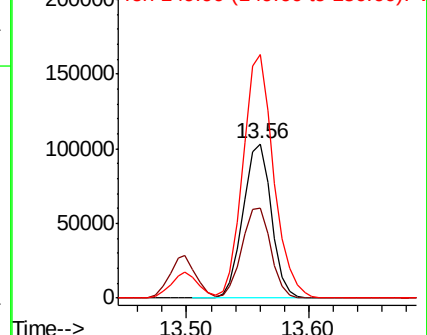
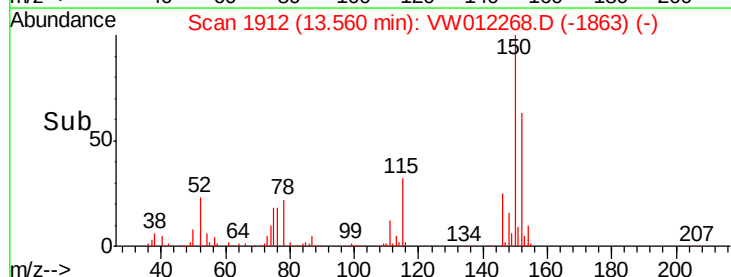
150 171.4 0.0 345.8

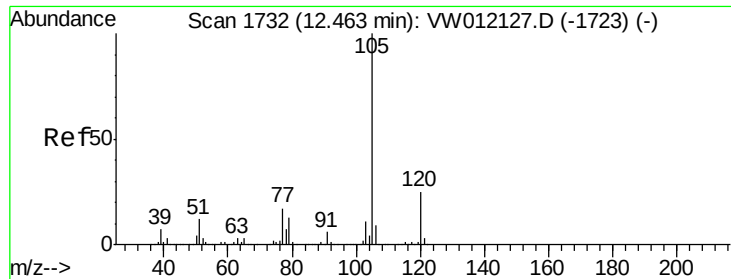


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

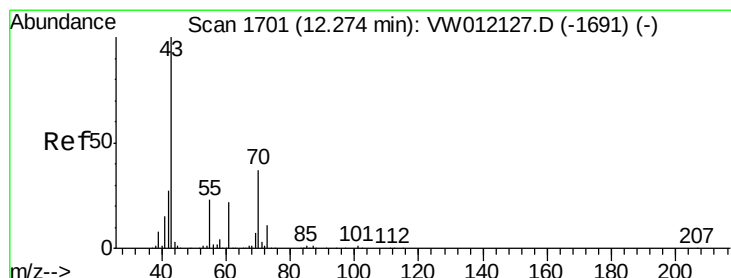
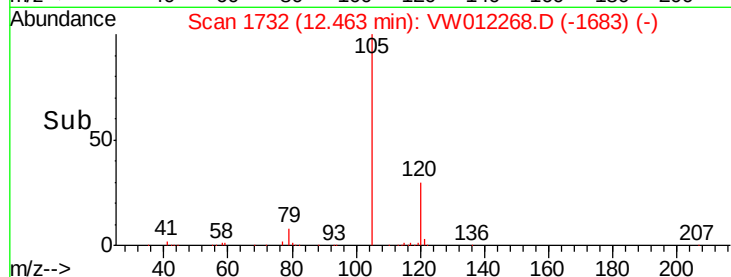
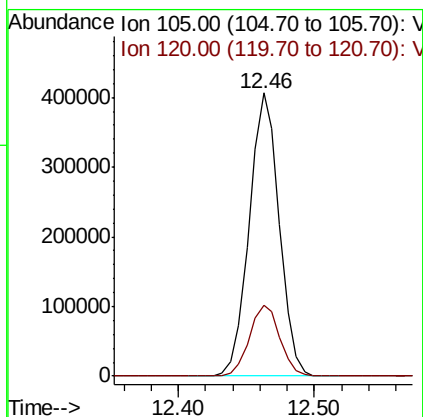
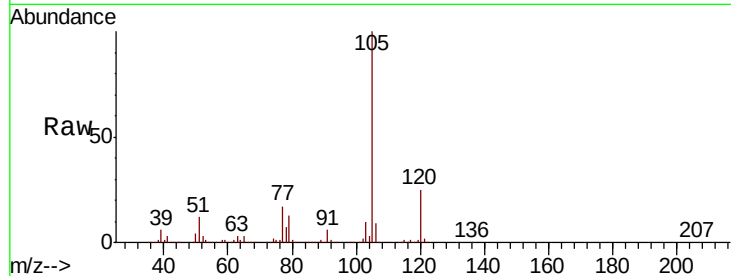




#73
Isopropylbenzene
Concen: 50.847 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW012268.D
Acq: 28 Aug 2019 22:34

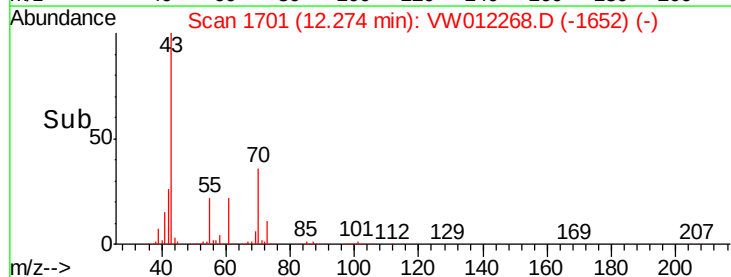
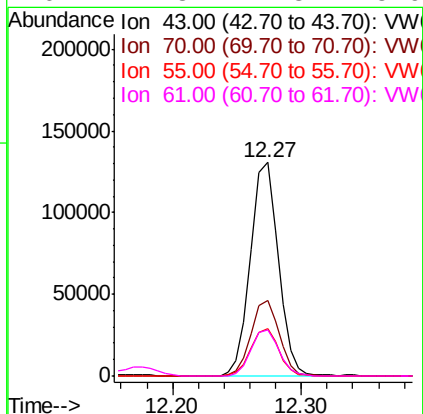
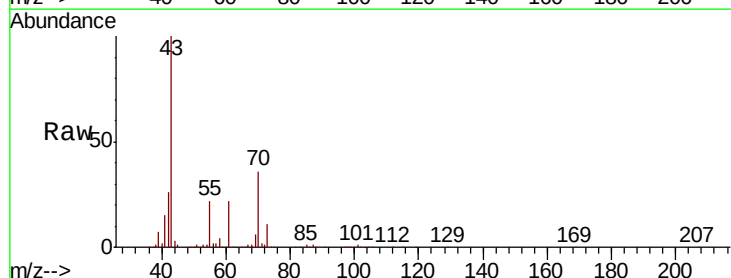
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

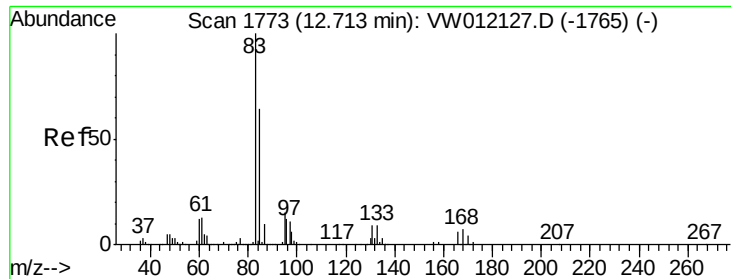
Tgt Ion: 105 Resp: 627193
Ion Ratio Lower Upper
105 100
120 25.6 12.5 37.5



#74
N-ethyl acetate
Concen: 52.573 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW012268.D
Acq: 28 Aug 2019 22:34

Tgt Ion: 43 Resp: 195923
Ion Ratio Lower Upper
43 100
70 35.9 28.6 43.0
55 22.6 17.8 26.6
61 21.8 17.3 25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 50.548 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012268.D

Acq: 28 Aug 2019 22:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

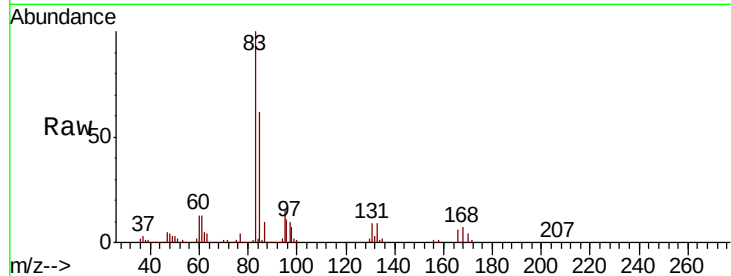
Tgt Ion: 83 Resp: 114306

Ion Ratio Lower Upper

83 100

131 10.0 4.9 14.7

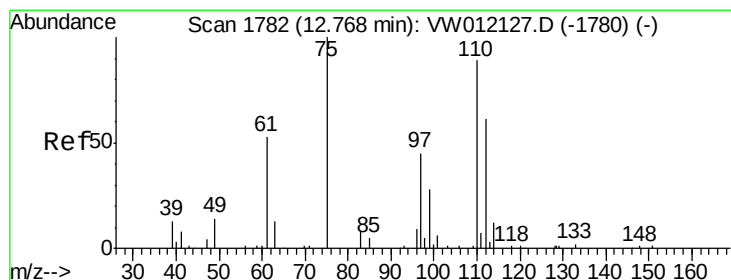
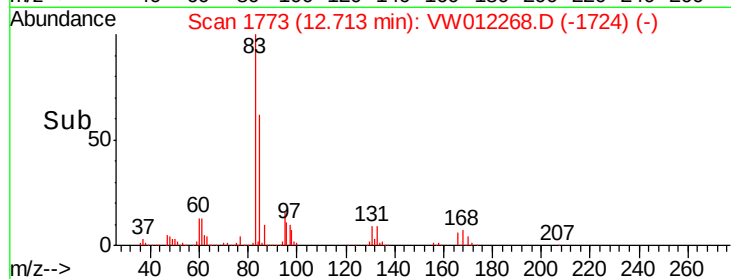
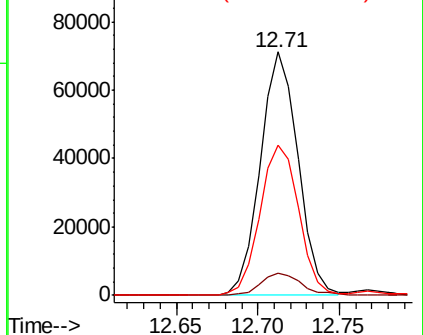
85 63.8 31.9 95.7



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: 94.245 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW012268.D

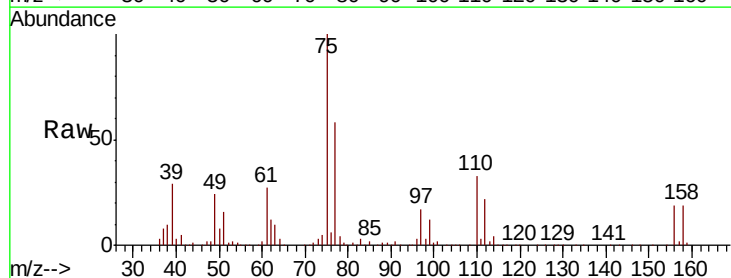
Acq: 28 Aug 2019 22:34

Tgt Ion: 75 Resp: 151097

Ion Ratio Lower Upper

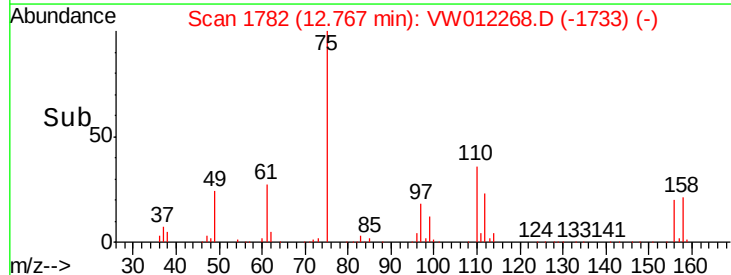
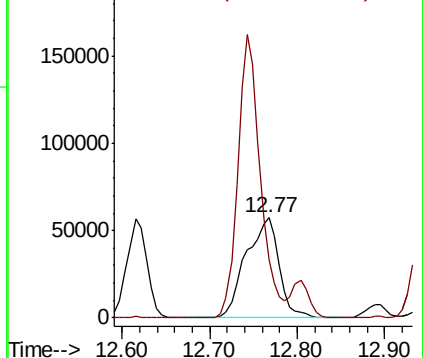
75 100

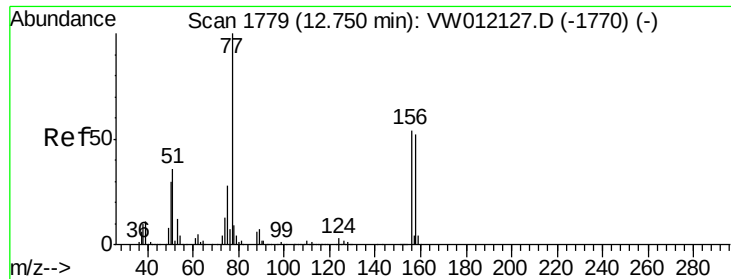
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 51.436 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW012268.D

Acq: 28 Aug 2019 22:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

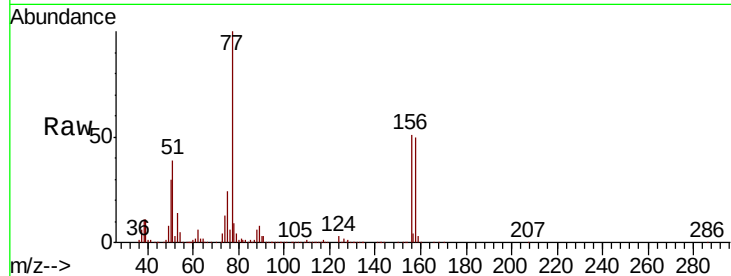
Tgt Ion:156 Resp: 137258

Ion Ratio Lower Upper

156 100

77 211.6 107.3 321.8

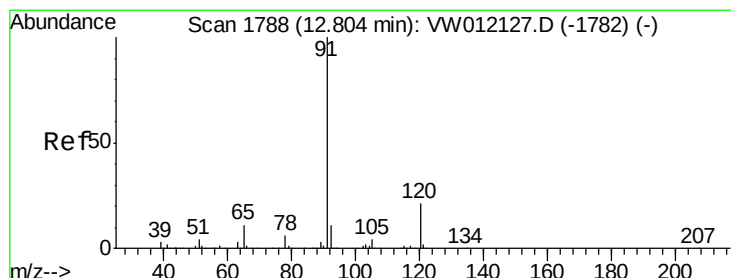
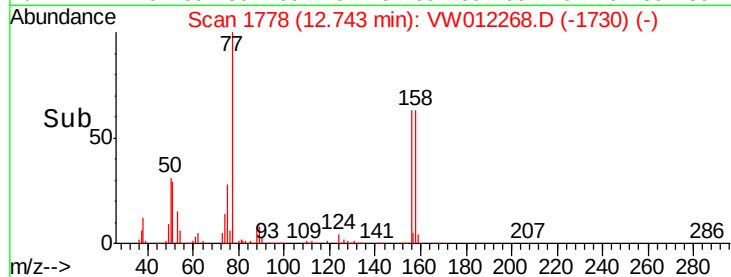
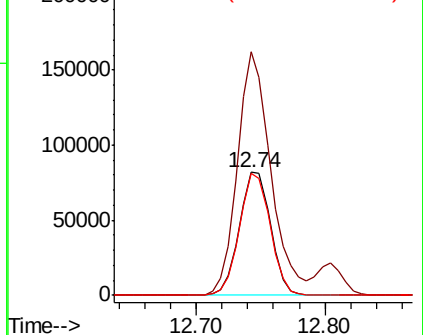
158 97.6 49.0 147.0



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: 50.676 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012268.D

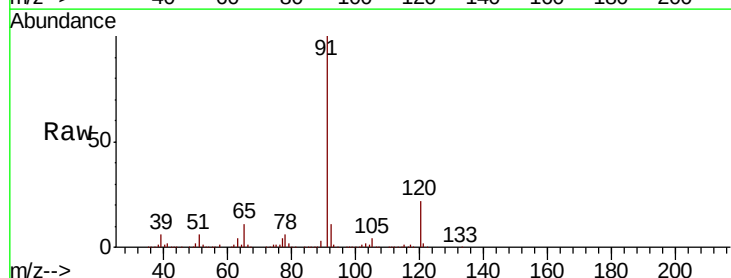
Acq: 28 Aug 2019 22:34

Tgt Ion: 91 Resp: 763097

Ion Ratio Lower Upper

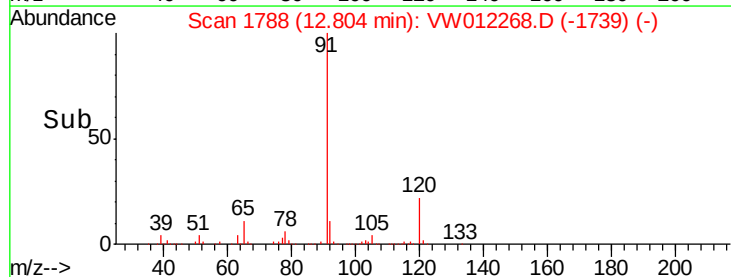
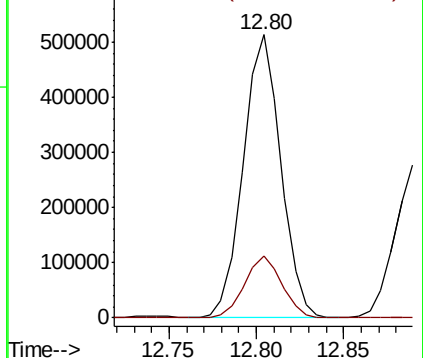
91 100

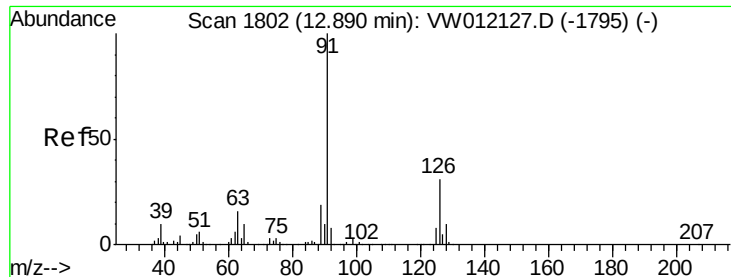
120 21.6 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.847 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012268.D

Acq: 28 Aug 2019 22:34

Instrument :

MSVOA_W

ClientSampleId :

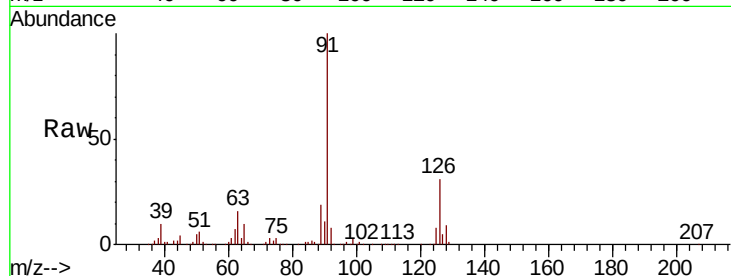
VSTDCCC050

Tgt Ion: 91 Resp: 434702

Ion Ratio Lower Upper

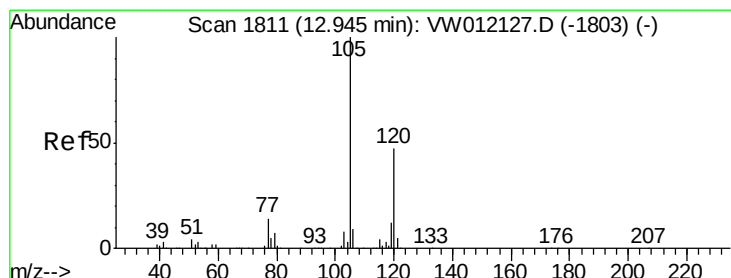
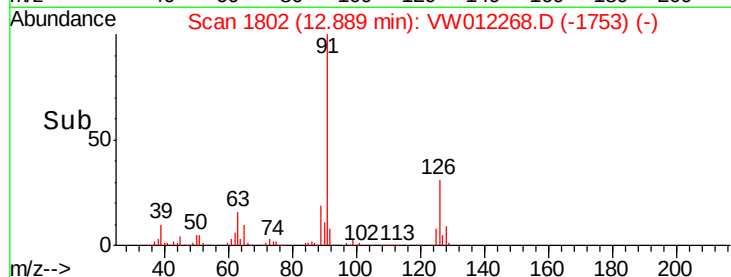
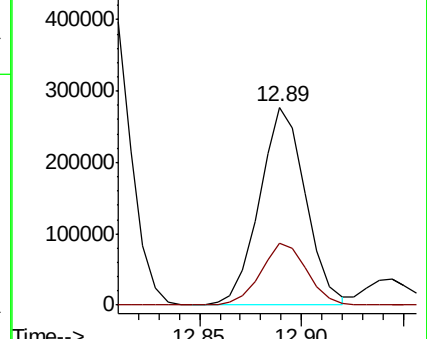
91 100

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: 51.323 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012268.D

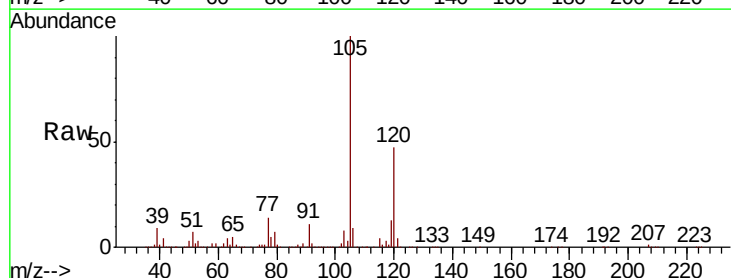
Acq: 28 Aug 2019 22:34

Tgt Ion: 105 Resp: 528983

Ion Ratio Lower Upper

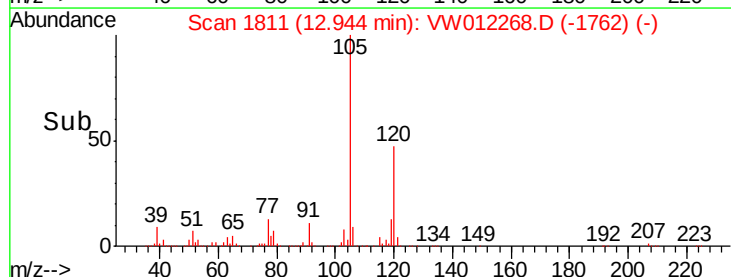
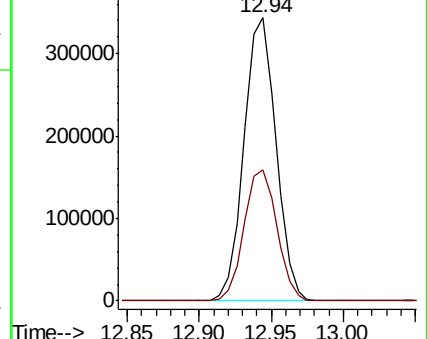
105 100

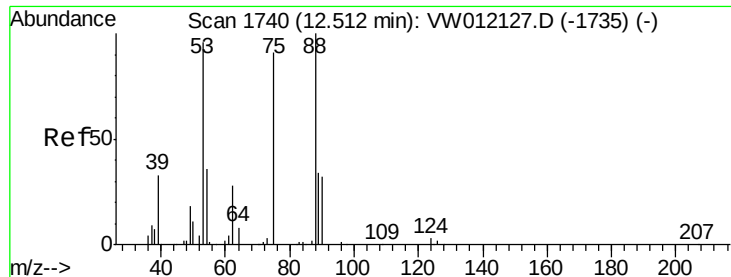
120 47.6 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

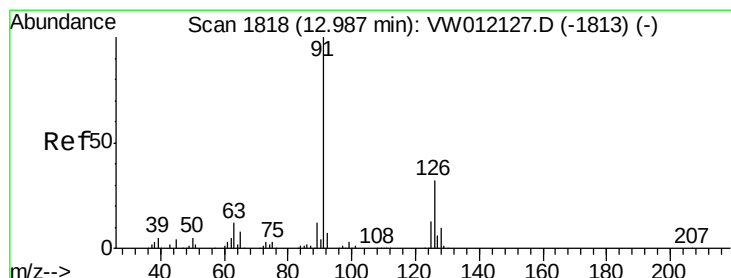
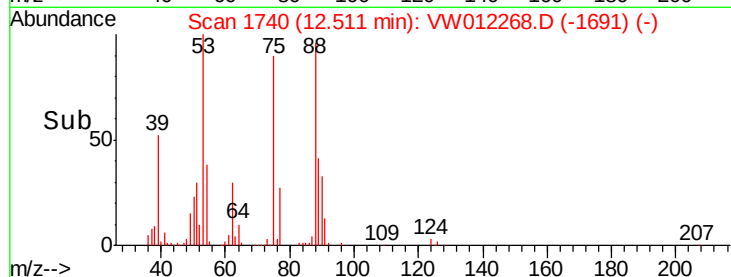
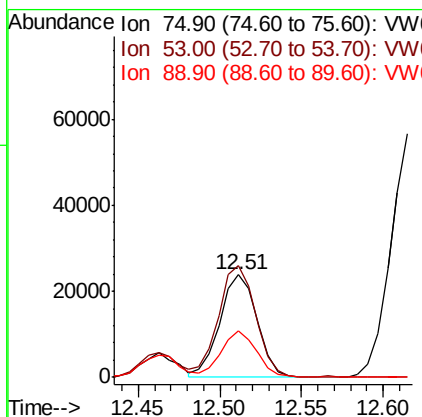
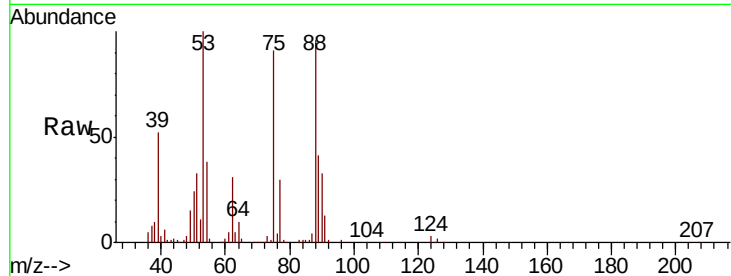




#81
trans-1,4-Dichloro-2-butene
Concen: 51.381 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW012268.D
Acq: 28 Aug 2019 22:34

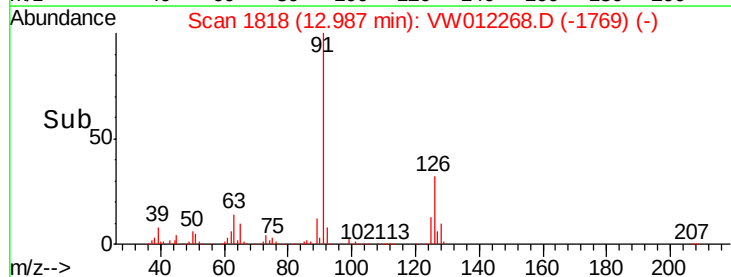
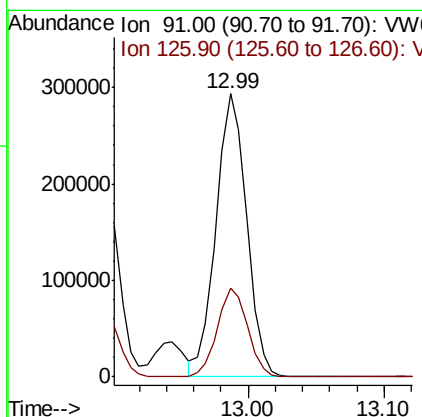
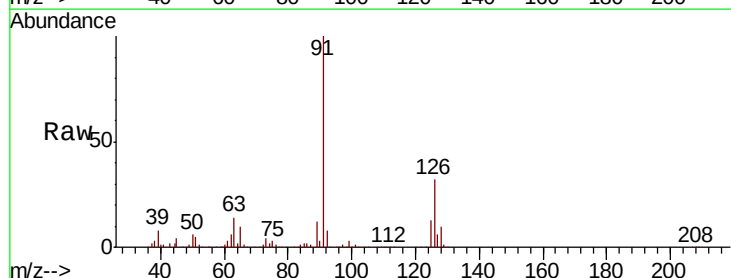
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

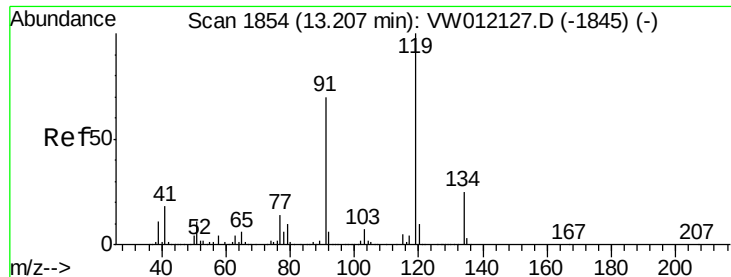
Tgt Ion: 75 Resp: 37571
Ion Ratio Lower Upper
75 100
53 109.5 89.4 134.0
89 42.9 34.5 51.7



#82
4-Chlorotoluene
Concen: 51.053 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW012268.D
Acq: 28 Aug 2019 22:34

Tgt Ion: 91 Resp: 457014
Ion Ratio Lower Upper
91 100
126 31.2 15.6 46.8

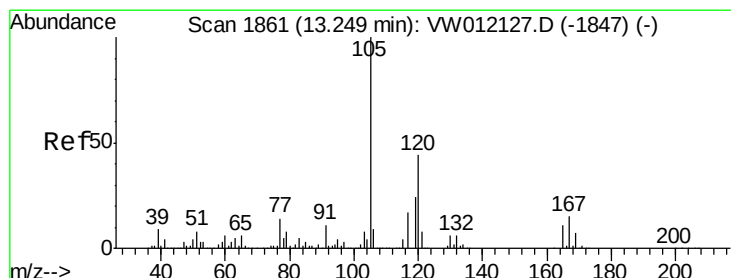
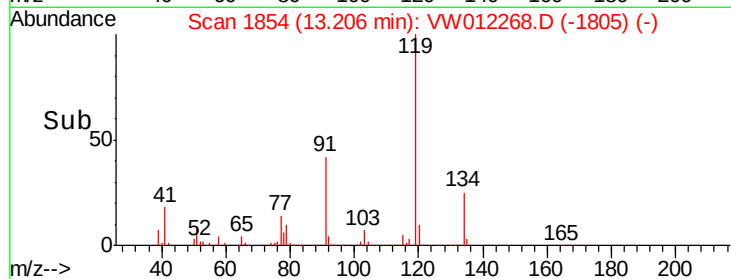
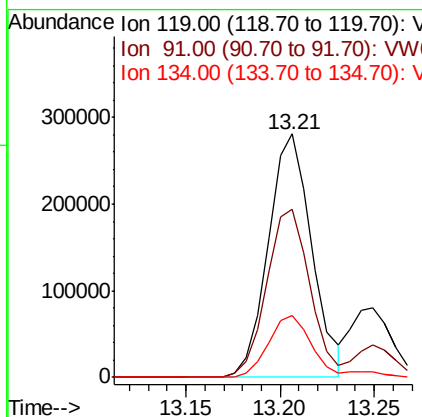
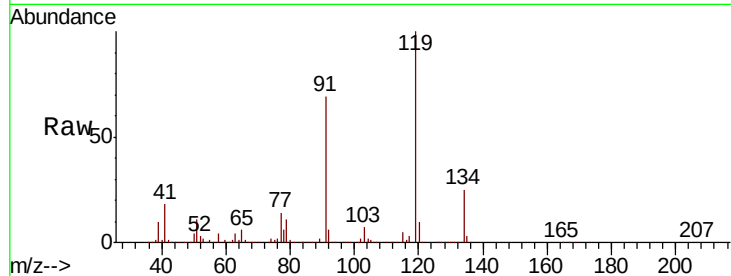




#83
 tert-Butylbenzene
 Concen: 51.535 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW012268.D
 Acq: 28 Aug 2019 22:34

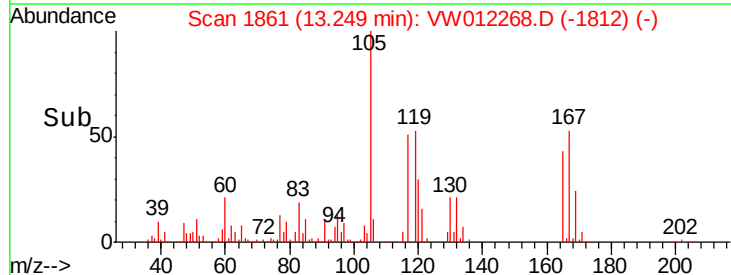
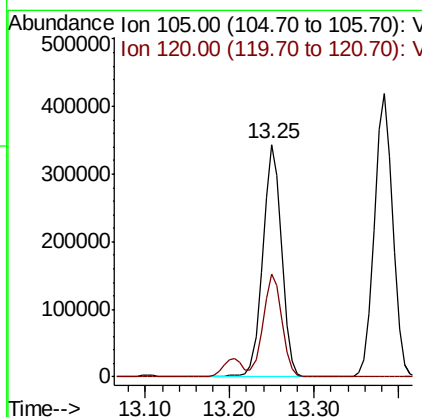
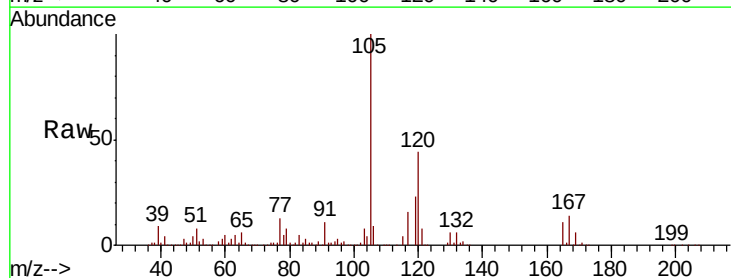
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

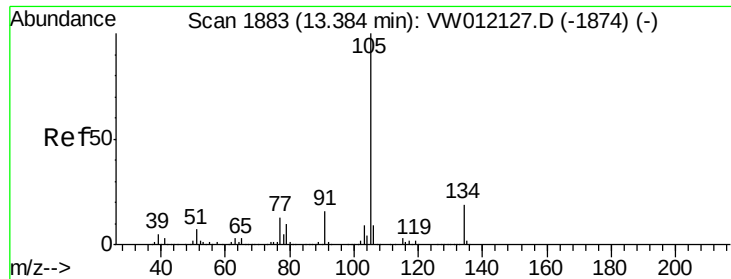
Tgt Ion:119 Resp: 449947
 Ion Ratio Lower Upper
 119 100
 91 68.5 34.8 104.3
 134 25.2 13.3 39.8



#84
 1,2,4-Trimethylbenzene
 Concen: 51.061 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW012268.D
 Acq: 28 Aug 2019 22:34

Tgt Ion:105 Resp: 528666
 Ion Ratio Lower Upper
 105 100
 120 43.6 21.9 65.7





#85

sec-Butylbenzene

Concen: 50.676 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012268.D

Acq: 28 Aug 2019 22:34

Instrument :

MSVOA_W

ClientSampleId :

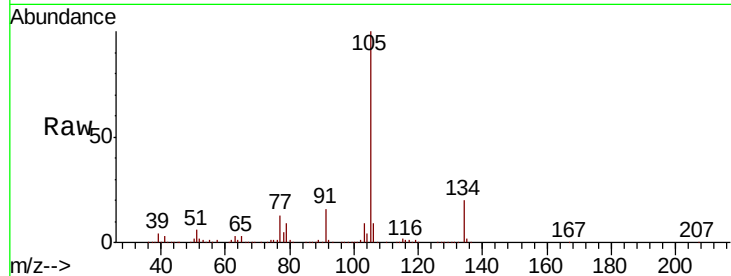
VSTDCCC050

Tgt Ion:105 Resp: 633886

Ion Ratio Lower Upper

105 100

134 19.6 9.8 29.4

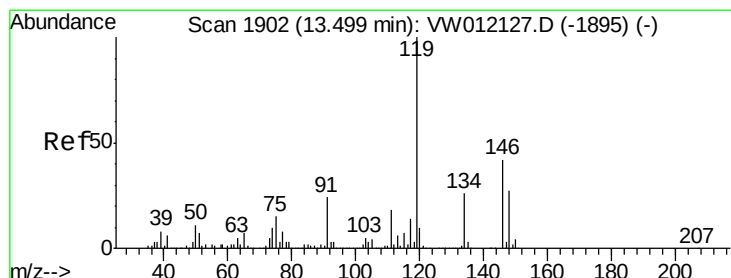
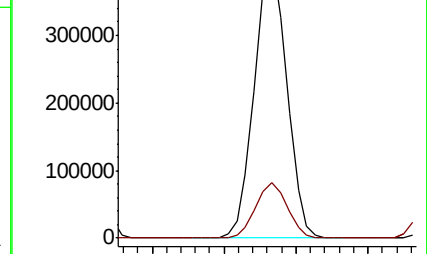
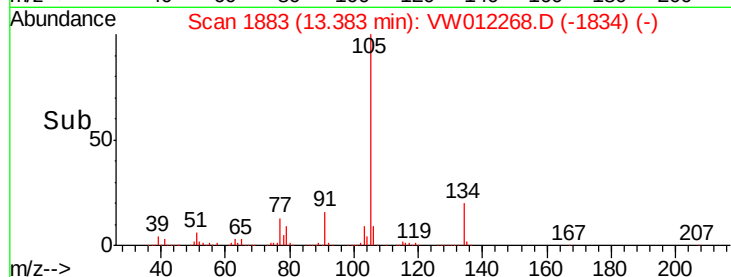


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.38

Time-->



#86

p-Isopropyltoluene

Concen: 51.110 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012268.D

Acq: 28 Aug 2019 22:34

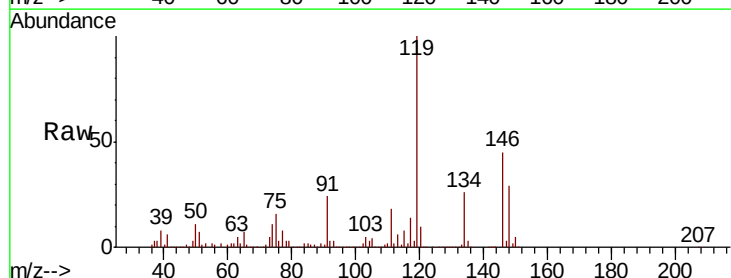
Tgt Ion:119 Resp: 570938

Ion Ratio Lower Upper

119 100

134 25.6 12.8 38.3

91 24.3 12.3 36.9



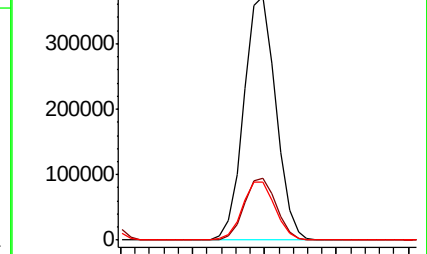
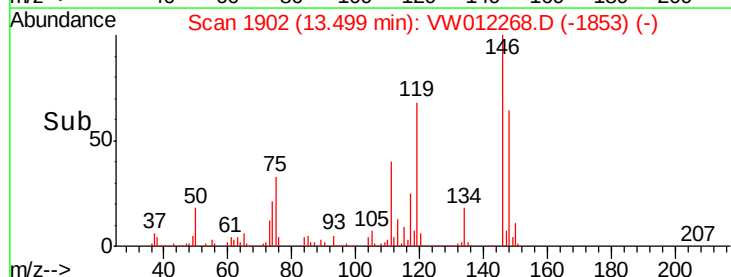
Abundance Ion 119.00 (118.70 to 119.70): V

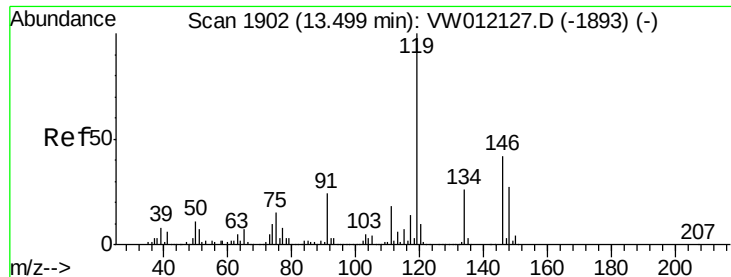
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.50

Time-->

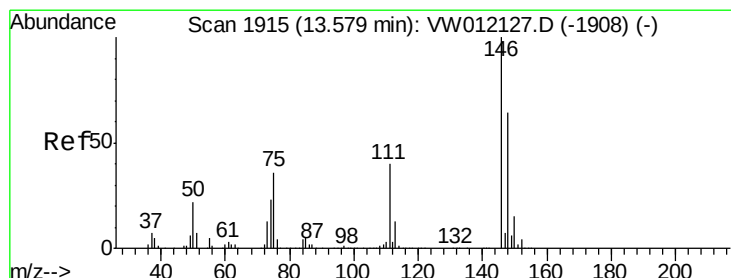
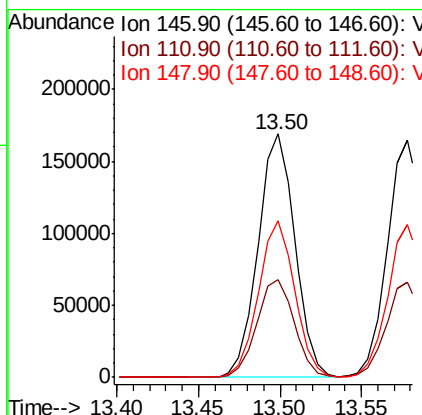
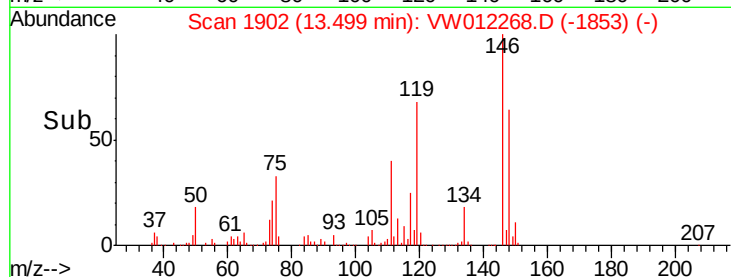
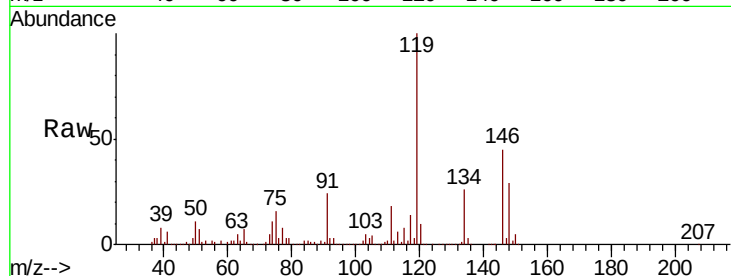




#87
 1,3-Dichlorobenzene
 Concen: 50.834 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012268.D
 Acq: 28 Aug 2019 22:34

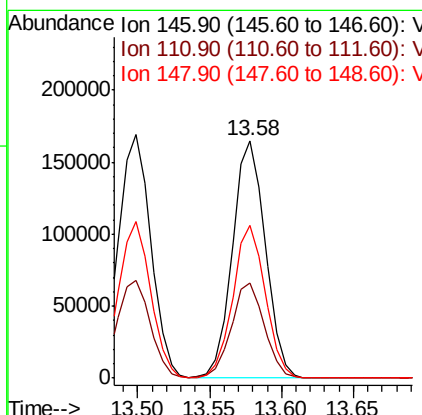
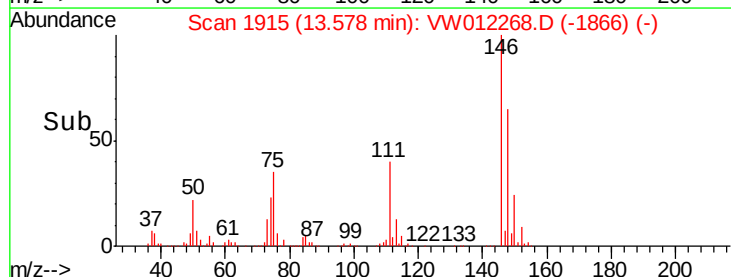
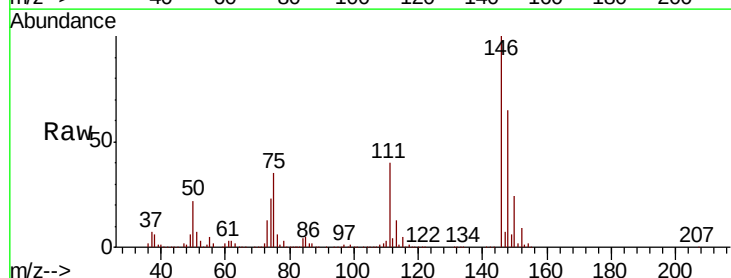
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

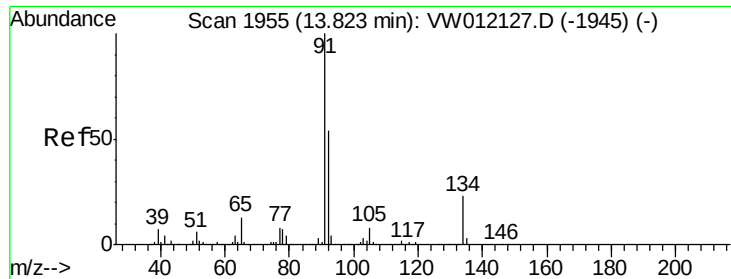
Tgt Ion:146 Resp: 265330
 Ion Ratio Lower Upper
 146 100
 111 40.9 20.9 62.7
 148 63.4 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 50.635 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW012268.D
 Acq: 28 Aug 2019 22:34

Tgt Ion:146 Resp: 262418
 Ion Ratio Lower Upper
 146 100
 111 40.5 20.0 60.0
 148 63.8 32.1 96.3





#89

n-Butylbenzene

Concen: 51.181 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW012268.D

Acq: 28 Aug 2019 22:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

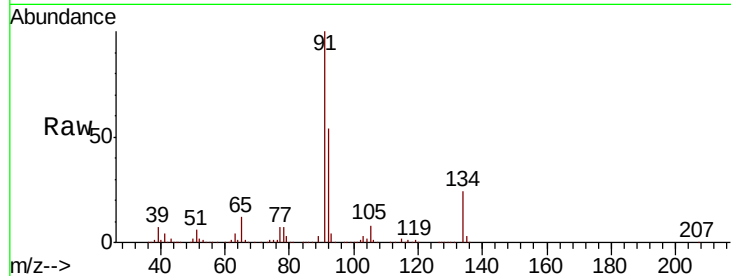
Tgt Ion: 91 Resp: 568559

Ion Ratio Lower Upper

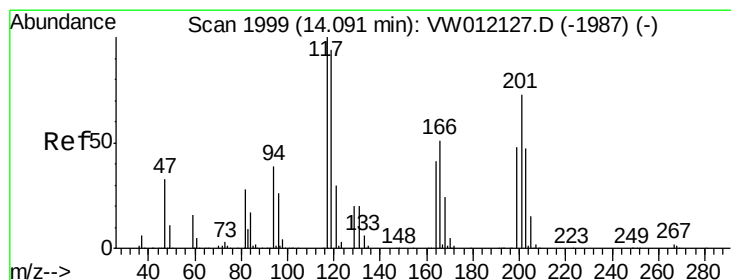
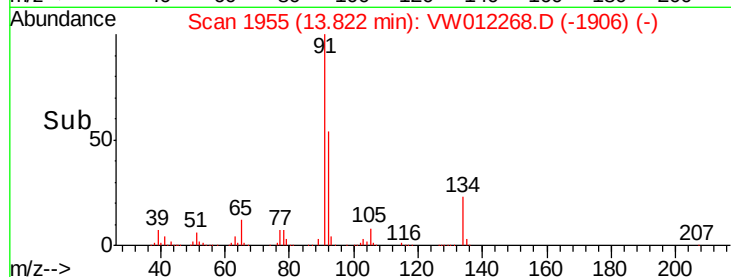
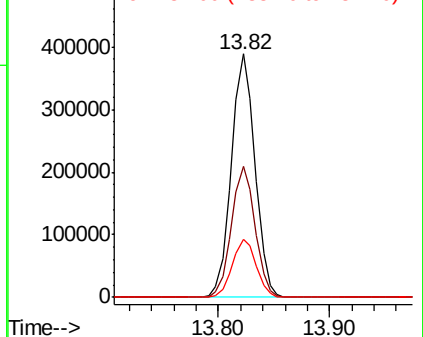
91 100

92 53.9 27.1 81.2

134 24.3 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: 51.365 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW012268.D

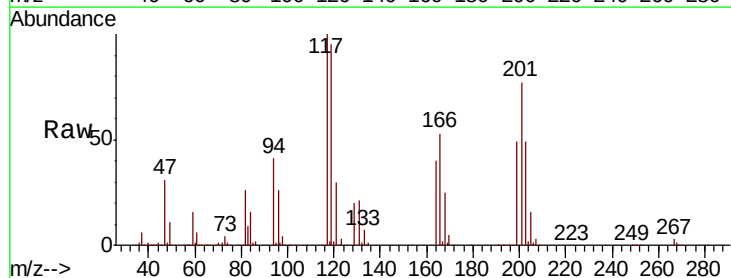
Acq: 28 Aug 2019 22:34

Tgt Ion: 117 Resp: 100670

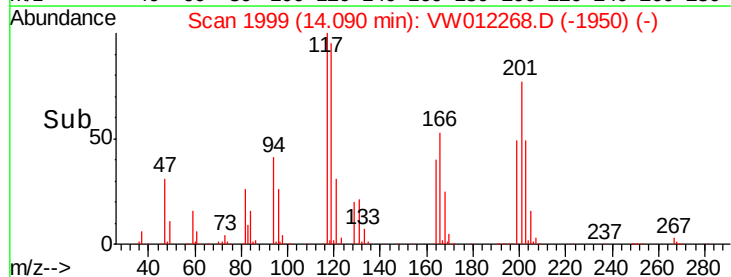
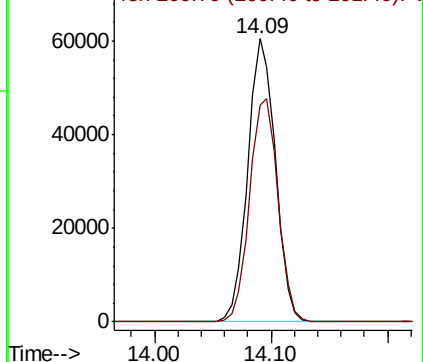
Ion Ratio Lower Upper

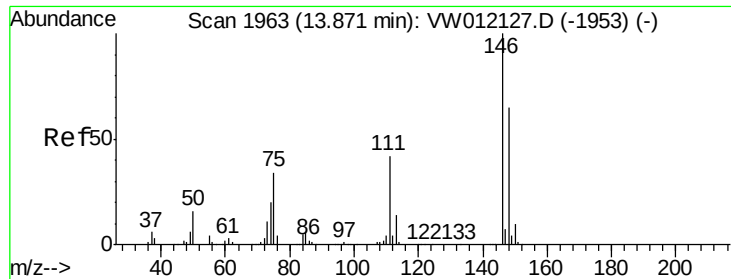
117 100

201 80.7 38.6 115.7



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

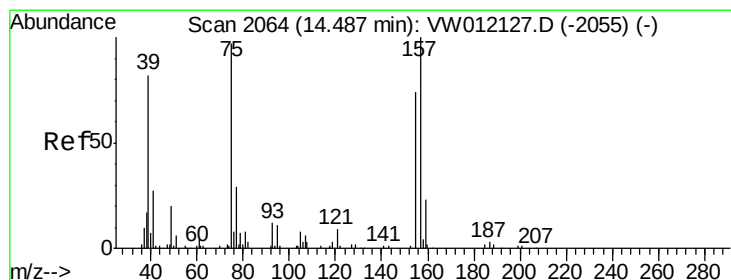
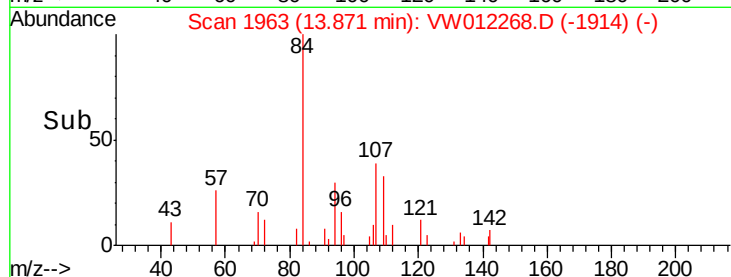
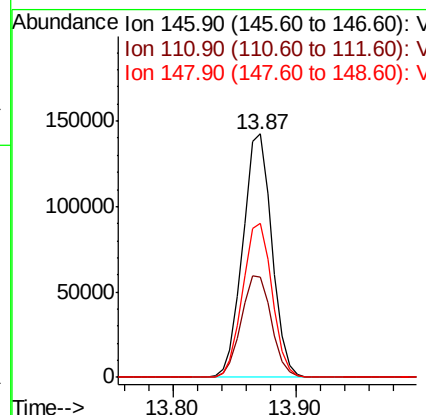
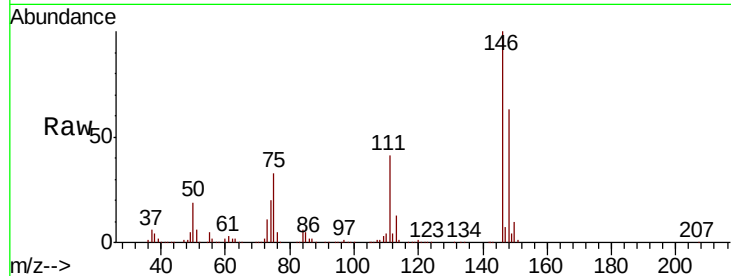




#91
 1,2-Dichlorobenzene
 Concen: 51.241 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012268.D
 Acq: 28 Aug 2019 22:34

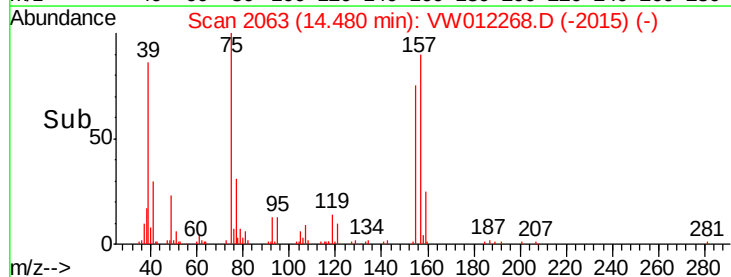
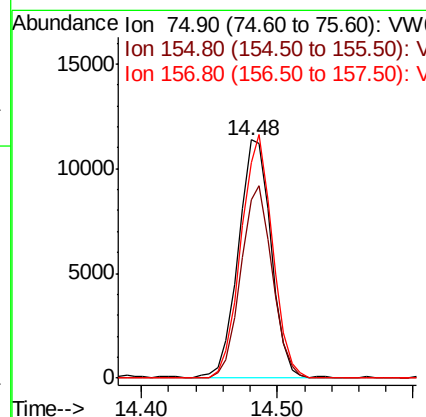
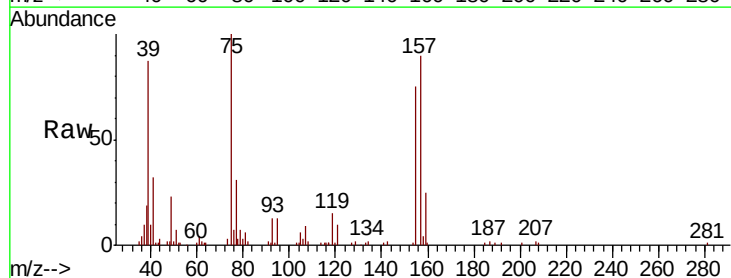
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

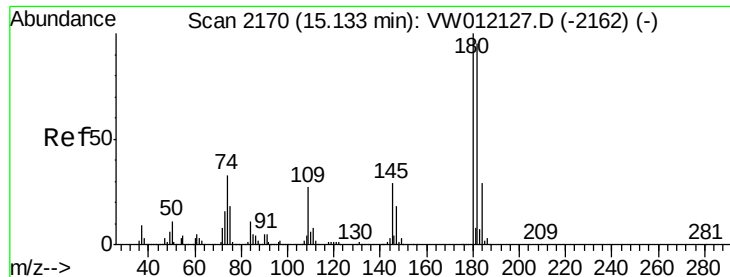
Tgt Ion: 146 Resp: 234627
 Ion Ratio Lower Upper
 146 100
 111 43.2 21.2 63.6
 148 64.1 32.5 97.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.112 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW012268.D
 Acq: 28 Aug 2019 22:34

Tgt Ion: 75 Resp: 19104
 Ion Ratio Lower Upper
 75 100
 155 77.3 37.5 112.3
 157 97.7 50.5 151.5

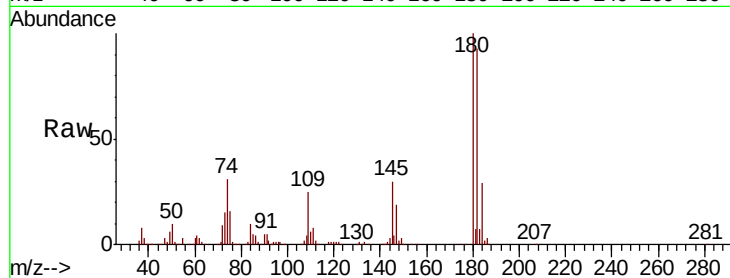




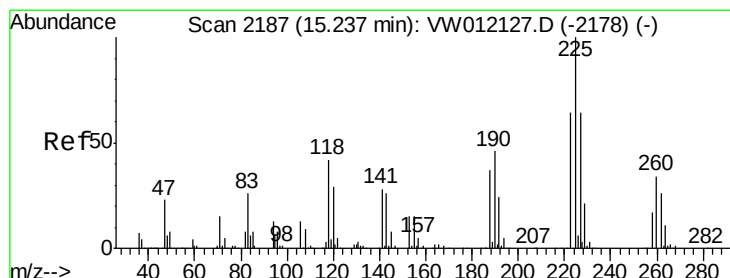
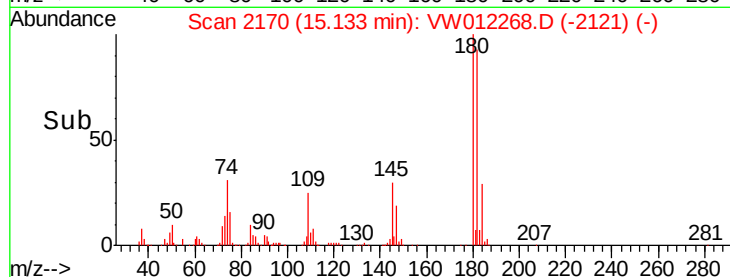
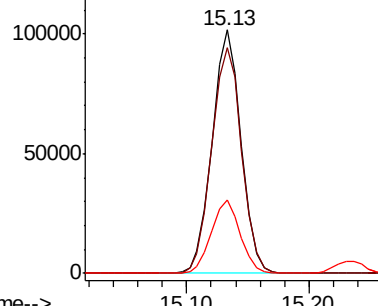
#93
 1,2,4-Trichlorobenzene
 Concen: 52.443 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012268.D
 Acq: 28 Aug 2019 22:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion:180 Resp: 165943
 Ion Ratio Lower Upper
 180 100
 182 95.9 47.8 143.4
 145 30.2 15.0 45.1

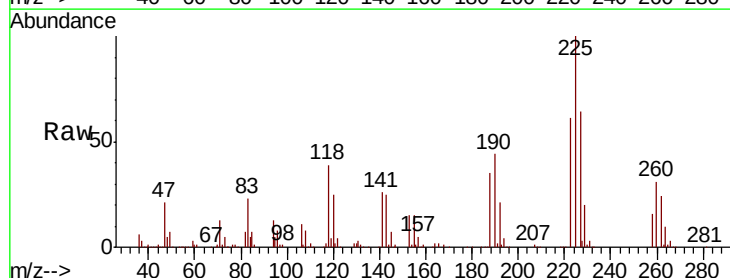


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

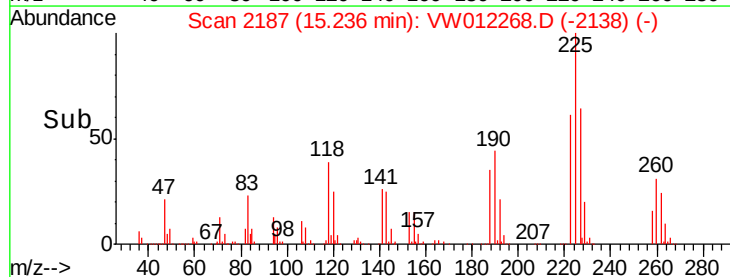
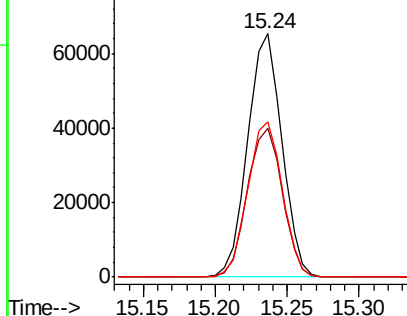


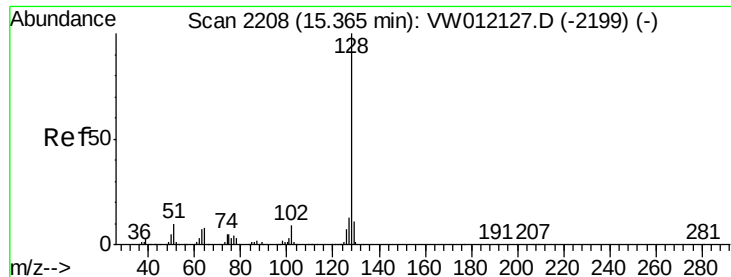
#94
 Hexachlorobutadiene
 Concen: 51.271 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012268.D
 Acq: 28 Aug 2019 22:34

Tgt Ion:225 Resp: 107123
 Ion Ratio Lower Upper
 225 100
 223 62.8 32.3 96.8
 227 64.7 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

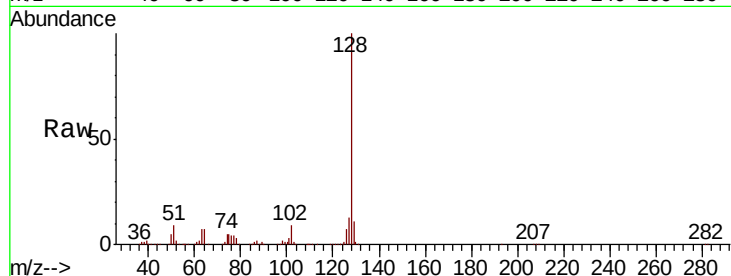




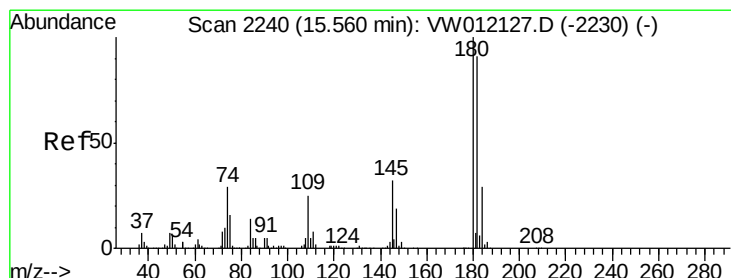
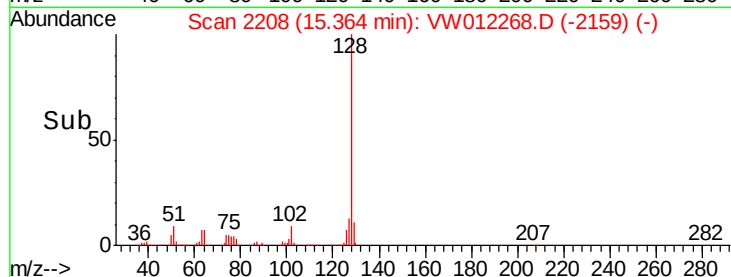
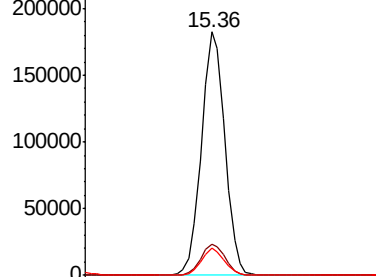
#95
Naphthalene
Concen: 50.585 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012268.D
Acq: 28 Aug 2019 22:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 314438
Ion Ratio Lower Upper
128 100
127 13.2 10.7 16.1
129 10.8 8.7 13.1

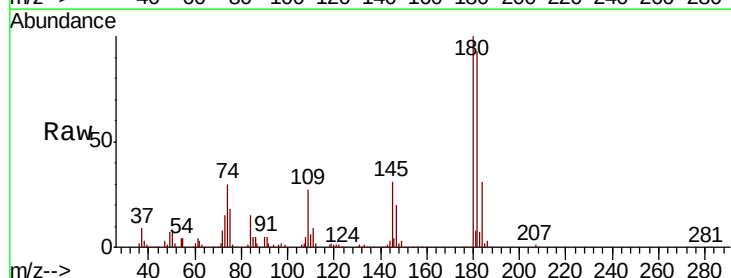


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 53.543 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012268.D
Acq: 28 Aug 2019 22:34

Tgt Ion:180 Resp: 147820
Ion Ratio Lower Upper
180 100
182 94.7 47.1 141.3
145 31.5 16.2 48.5



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

