

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081619\
 Data File : VW011927.D
 Acq On : 15 Aug 2019 14:32
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 15 16:37:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	220378	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	349327	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	301392	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	149336	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	136684	54.01	ug/l	0.00
Spiked Amount			Recovery	=	108.02%	
35) Dibromofluoromethane	7.88	113	111389	56.84	ug/l	0.00
Spiked Amount			Recovery	=	113.68%	
50) Toluene-d8	10.32	98	452405	56.38	ug/l	0.00
Spiked Amount			Recovery	=	112.76%	
62) 4-Bromofluorobenzene	12.62	95	158033	55.24	ug/l	0.00
Spiked Amount			Recovery	=	110.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	67230	54.739	ug/l	100
3) Chloromethane	2.21	50	105676	49.620	ug/l	99
4) Vinyl Chloride	2.36	62	137306	53.551	ug/l	98
5) Bromomethane	2.78	94	69204	48.762	ug/l	99
6) Chloroethane	2.92	64	78777	53.787	ug/l	94
7) Trichlorofluoromethane	3.26	101	73228	63.904	ug/l	99
8) Diethyl Ether	3.68	74	69246	53.297	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	122688	56.441	ug/l	99
10) Methyl Iodide	4.27	142	161218	52.482	ug/l	98
11) Tert butyl alcohol	5.18	59	41823	221.945	ug/l	97
12) 1,1-Dichloroethene	4.04	96	125723	54.778	ug/l	96
13) Acrolein	3.89	56	35818	197.263	ug/l	97
14) Allyl chloride	4.67	41	274041	56.138	ug/l	98
15) Acrylonitrile	5.37	53	171524	264.467	ug/l	100
16) Acetone	4.12	43	214279	266.197	ug/l	99
17) Carbon Disulfide	4.38	76	380618	52.985	ug/l	100
18) Methyl Acetate	4.67	43	91606	50.658	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	198004	54.365	ug/l	96
20) Methylene Chloride	4.92	84	137389	49.489	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	135289	54.675	ug/l	99
22) Diisopropyl ether	6.31	45	501345	54.473	ug/l	97
23) Vinyl Acetate	6.25	43	1597523	276.241	ug/l	99
24) 1,1-Dichloroethane	6.21	63	268763	54.526	ug/l	99
25) 2-Butanone	7.17	43	268340	254.757	ug/l	98
26) 2,2-Dichloropropane	7.17	77	154472	50.958	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	144593	53.094	ug/l	100
28) Bromochloromethane	7.51	49	116862	53.414	ug/l #	99
29) Tetrahydrofuran	7.52	42	156824	260.468	ug/l	99
30) Chloroform	7.67	83	248331	54.609	ug/l	97
31) Cyclohexane	7.95	56	252675	53.403	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	197267	56.961	ug/l	100
36) 1,1-Dichloropropene	8.08	75	206601	56.878	ug/l	99
37) Ethyl Acetate	7.25	43	112000	53.594	ug/l	98
38) Carbon Tetrachloride	8.07	117	183242	58.929	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	228990	57.252	ug/l	98
40) Benzene	8.32	78	559847	55.025	ug/l	99
41) Methacrylonitrile	7.48	41	68125	54.534	ug/l	98
42) 1,2-Dichloroethane	8.40	62	176605	55.441	ug/l	100
43) Isopropyl Acetate	8.42	43	211721	55.088	ug/l	99
44) Trichloroethene	9.09	130	135849	55.553	ug/l	99
45) 1,2-Dichloropropane	9.37	63	151236	55.554	ug/l	100
46) Dibromomethane	9.46	93	68268	54.943	ug/l	98
47) Bromodichloromethane	9.64	83	184115	56.489	ug/l	100
48) Methyl methacrylate	9.43	41	101368	54.907	ug/l	97
49) 1,4-Dioxane	9.45	88	19752	1097.880	ug/l #	78
51) 4-Methyl-2-Pentanone	10.21	43	542702	271.475	ug/l	100
52) Toluene	10.38	92	342638	55.765	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	191187	56.154	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	226984	56.070	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	96321	54.636	ug/l	99
56) Ethyl methacrylate	10.65	69	144634	56.065	ug/l	99
57) 1,3-Dichloropropane	10.93	76	182730	54.786	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	380600	324.932	ug/l	100
59) 2-Hexanone	10.97	43	396266	280.744	ug/l	100
60) Dibromochloromethane	11.13	129	109271	55.838	ug/l	99
61) 1,2-Dibromoethane	11.23	107	91313	54.732	ug/l	99
64) Tetrachloroethene	10.86	164	110444	56.280	ug/l	97
65) Chlorobenzene	11.66	112	337206	55.650	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	121319	57.480	ug/l	99
67) Ethyl Benzene	11.73	91	666889	57.788	ug/l	99
68) m/p-Xylenes	11.84	106	480953	114.598	ug/l	99
69) o-Xylene	12.16	106	221869	56.889	ug/l	98
70) Styrene	12.18	104	392704	58.238	ug/l	99
71) Bromoform	12.35	173	62279	57.873	ug/l	98
73) Isopropylbenzene	12.46	105	628830	56.444	ug/l	100
74) N-amyl acetate	12.27	43	195486	56.046	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	114865	54.813	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	154230	97.605	ug/l #	100
77) Bromobenzene	12.75	156	135487	55.021	ug/l	100
78) n-propylbenzene	12.80	91	774805	57.146	ug/l	100
79) 2-Chlorotoluene	12.89	91	432836	55.413	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	529545	56.704	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	38563	56.244	ug/l	97
82) 4-Chlorotoluene	12.99	91	461052	56.257	ug/l	99
83) tert-Butylbenzene	13.21	119	445546	57.052	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	529006	56.232	ug/l	99
85) sec-Butylbenzene	13.38	105	641233	57.545	ug/l	100
86) p-Isopropyltoluene	13.50	119	574587	56.831	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	264826	54.848	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	260607	54.258	ug/l	100
89) n-Butylbenzene	13.82	91	583072	57.790	ug/l	100
90) Hexachloroethane	14.09	117	102810	57.506	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	234315	54.869	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.48	75	19220	53.785	ug/l	97

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Quant Title : SW846 8260
QLast Update : Sat Jul 27 00:23:30 2019
Response via : Initial Calibration

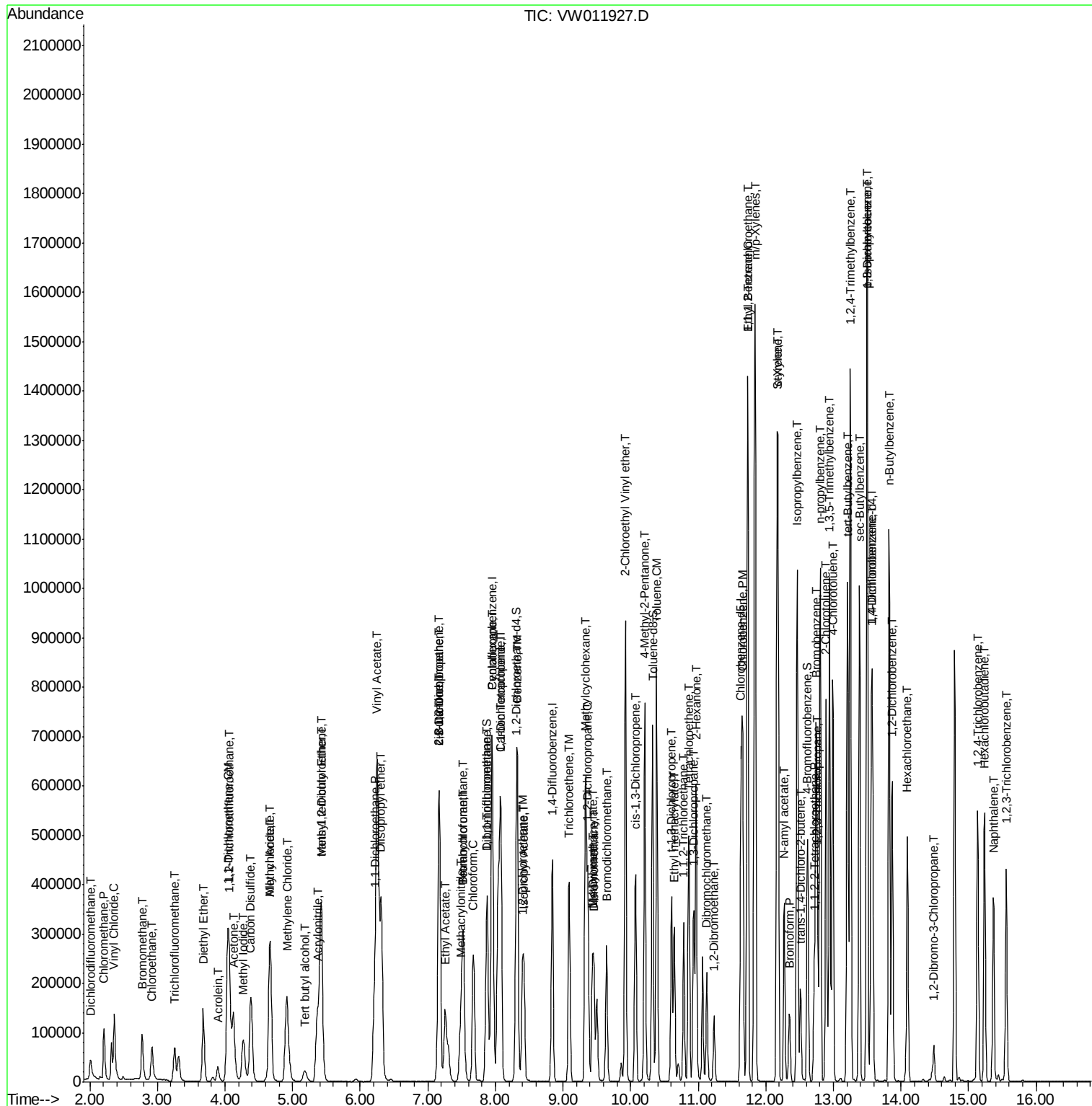
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	168894	56.117	ug/l	99
94) Hexachlorobutadiene	15.24	225	107474	57.262	ug/l	99
95) Naphthalene	15.36	128	302907	51.322	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	144463	54.759	ug/l	99

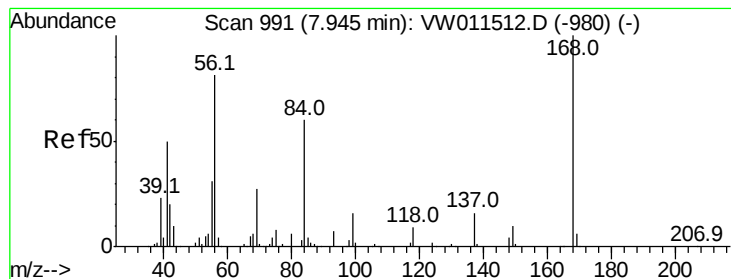
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081619\
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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: VW011927.D

Acq: 15 Aug 2019 14:32

Instrument :

MSVOA_W

ClientSampleId :

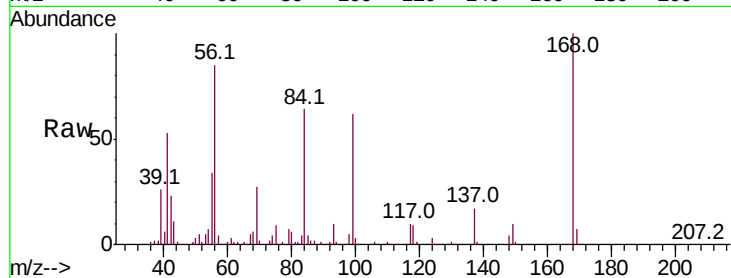
VSTDCCC050

Tot Ion:168 Resp: 220378

Ion Ratio Lower Upper

168 100

99 61.5 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

120000

100000

80000

60000

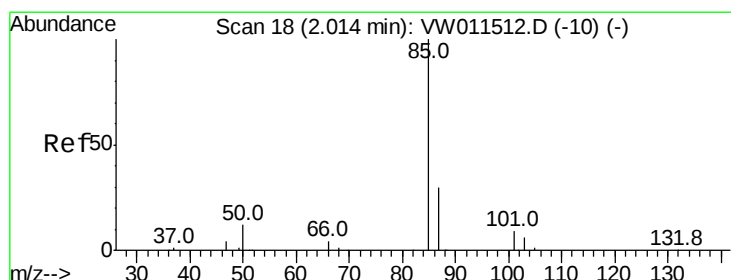
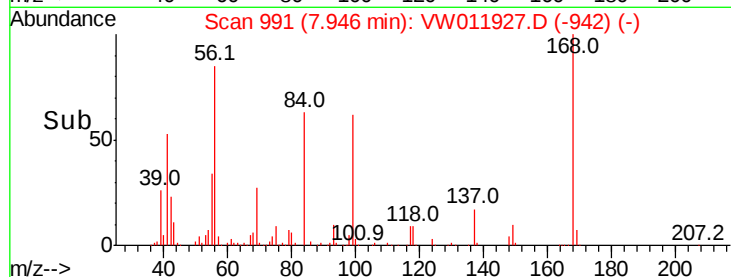
40000

20000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 54.739 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW011927.D

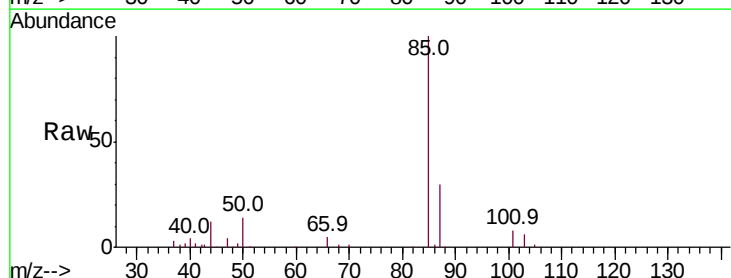
Acq: 15 Aug 2019 14:32

Tgt Ion: 85 Resp: 67230

Ion Ratio Lower Upper

85 100

87 30.2 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

25000

20000

15000

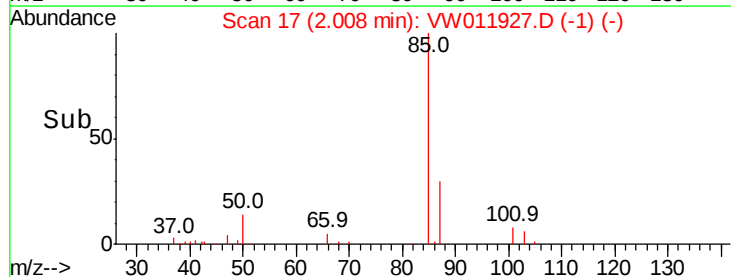
10000

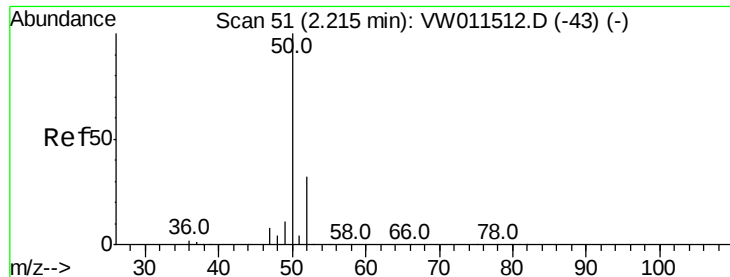
5000

0

2.00 2.20

Time-->





#3

Chloromethane

Concen: 49.620 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW011927.D

Acq: 15 Aug 2019 14:32

Instrument :

MSVOA_W

ClientSampleId :

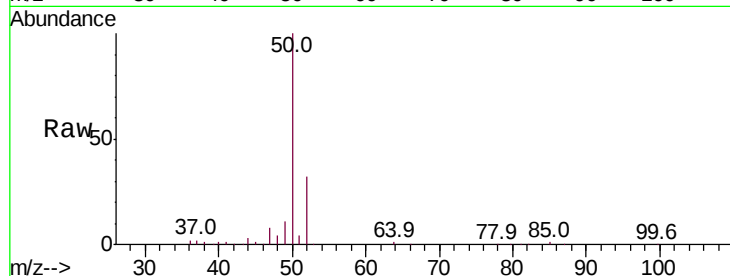
VSTDCCC050

Tot Ion: 50 Resp: 105676

Ion Ratio Lower Upper

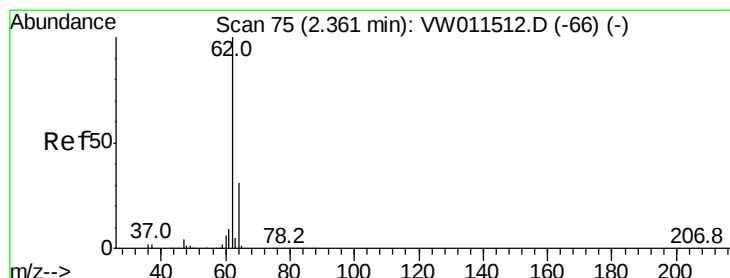
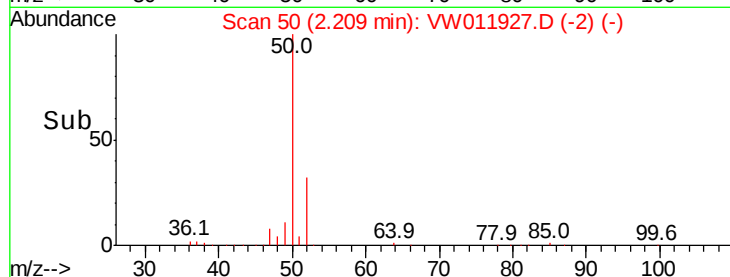
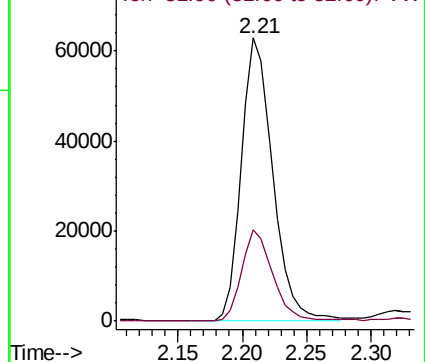
50 100

52 32.3 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 53.551 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW011927.D

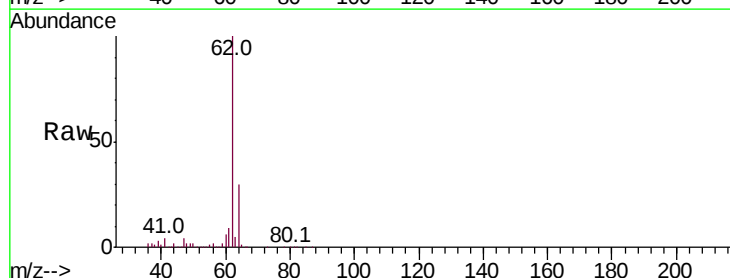
Acq: 15 Aug 2019 14:32

Tgt Ion: 62 Resp: 137306

Ion Ratio Lower Upper

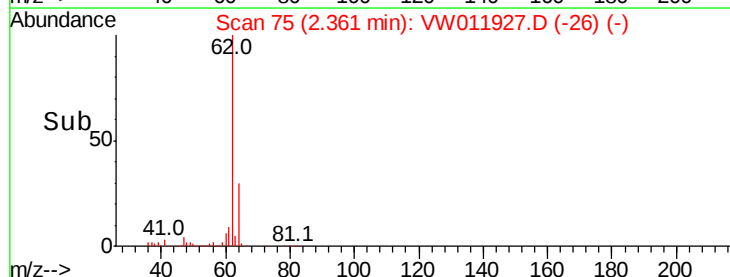
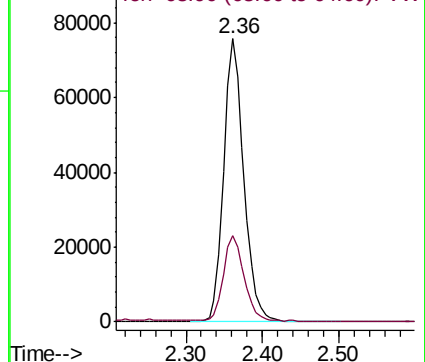
62 100

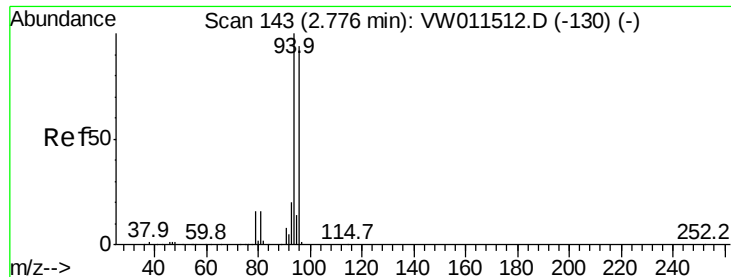
64 30.1 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 48.762 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW011927.D

Acq: 15 Aug 2019 14:32

Instrument :

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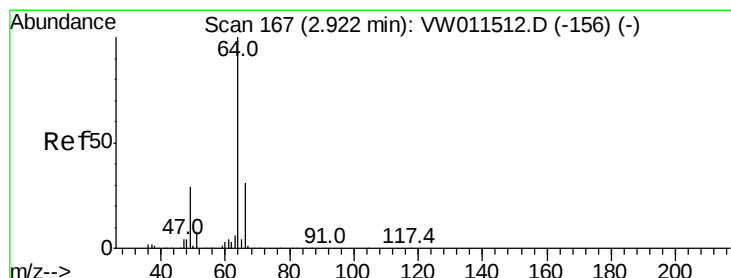
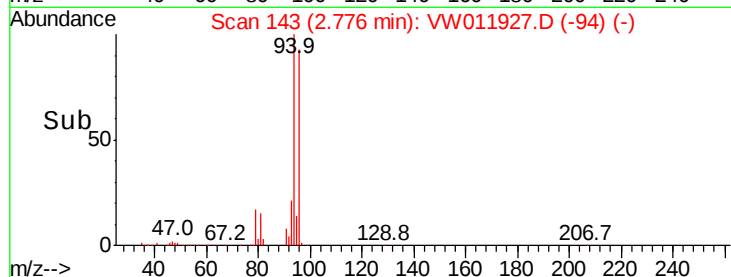
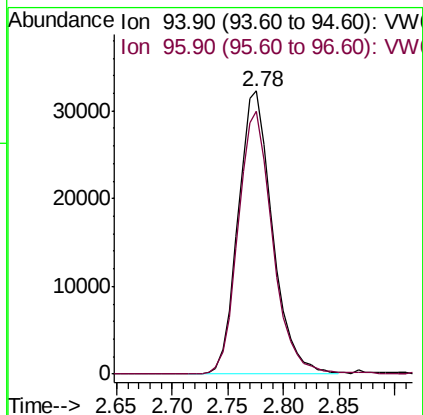
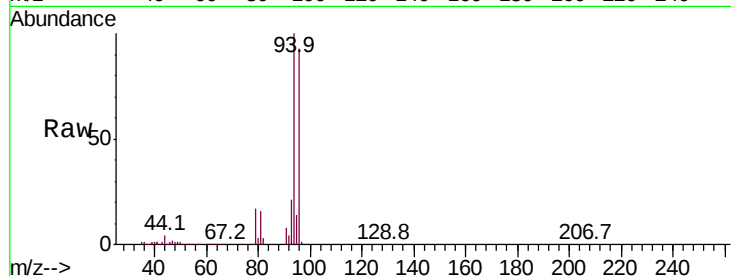
VSTDCCC050

Tot Ion: 94 Resp: 69204

Ion Ratio Lower Upper

94 100

96 92.8 75.0 112.6



#6

Chloroethane

Concen: 53.787 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW011927.D

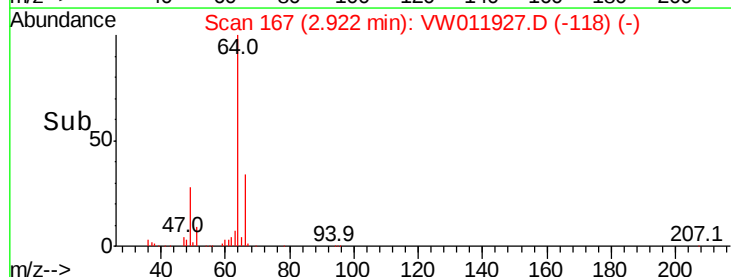
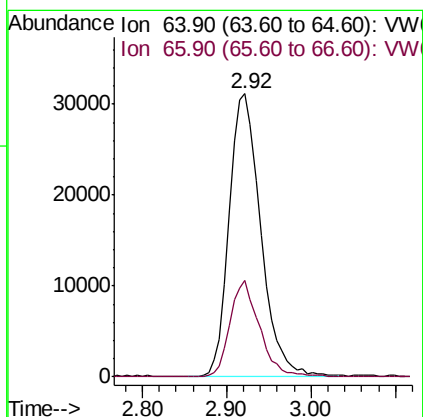
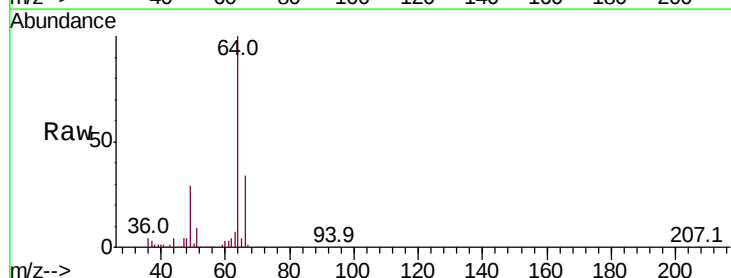
Acq: 15 Aug 2019 14:32

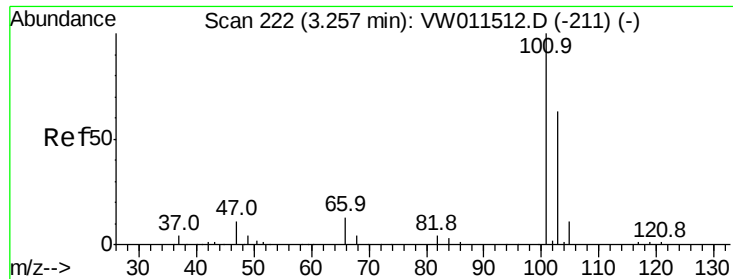
Tgt Ion: 64 Resp: 78777

Ion Ratio Lower Upper

64 100

66 34.3 24.6 36.8



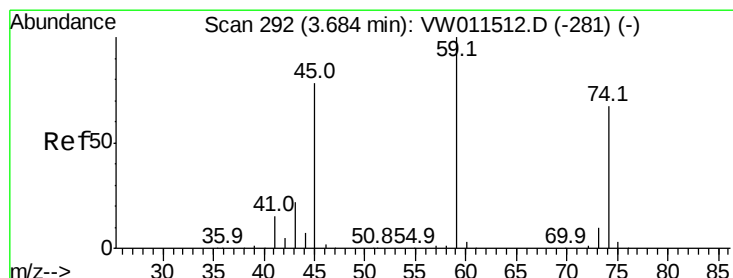
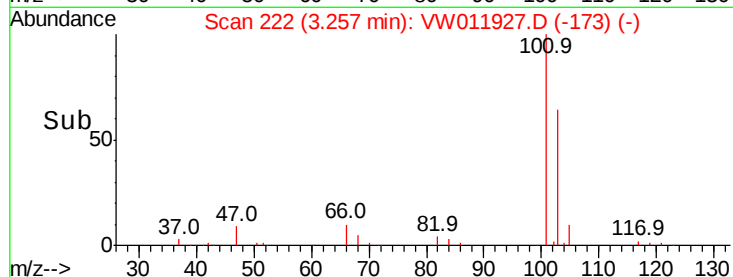
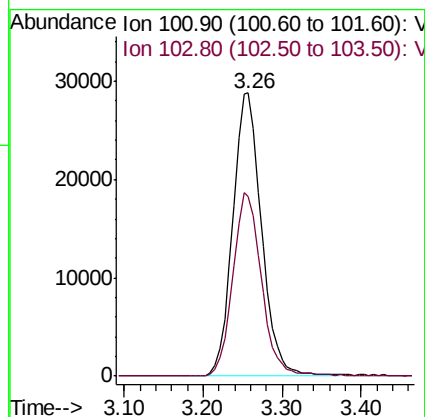
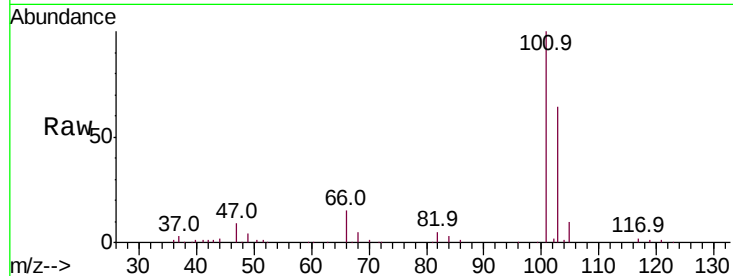


#7

Trichlorofluoromethane
 Concen: 63.904 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW011927.D
 Acq: 15 Aug 2019 14:32

Instrument :
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 VSTDCCC050

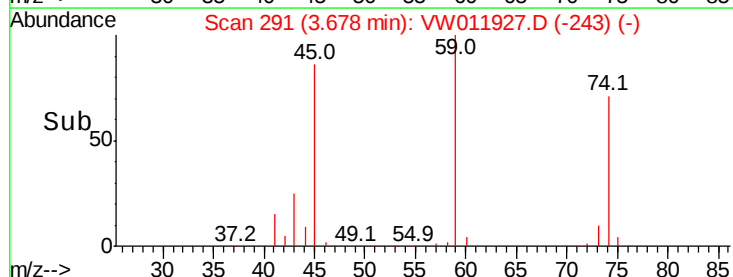
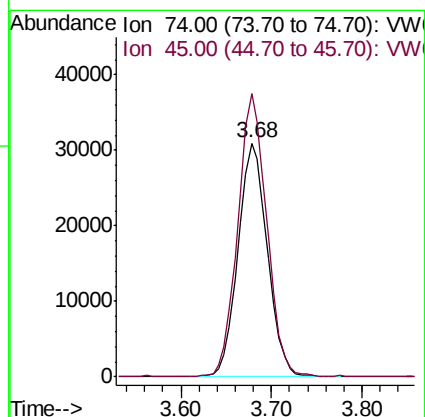
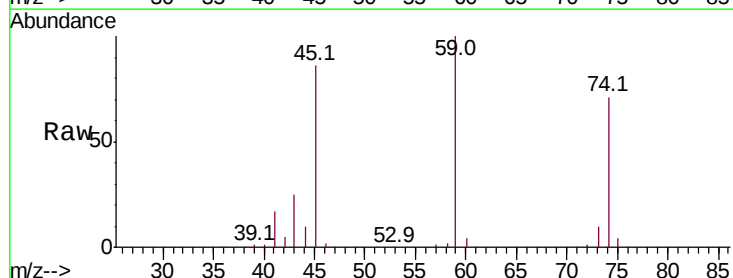
Tot Ion:101 Resp: 73228
 Ion Ratio Lower Upper
 101 100
 103 63.7 50.2 75.4

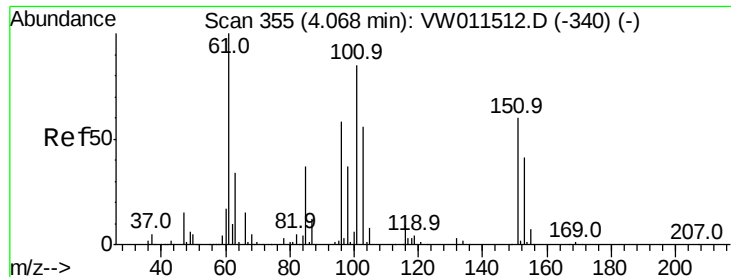


#8

Diethyl Ether
 Concen: 53.297 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW011927.D
 Acq: 15 Aug 2019 14:32

Tgt Ion: 74 Resp: 69246
 Ion Ratio Lower Upper
 74 100
 45 120.2 59.6 178.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 56.441 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW011927.D

Acq: 15 Aug 2019 14:32

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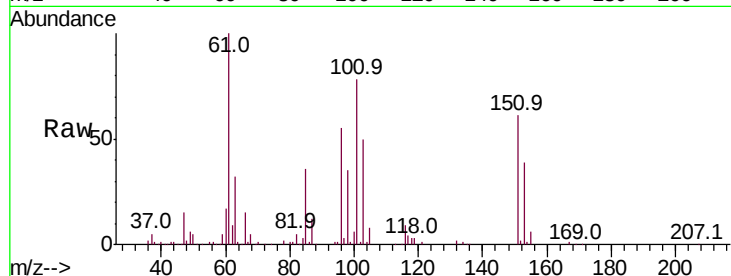
Tot Ion:101 Resp: 122688

Ion Ratio Lower Upper

101 100

85 46.1 36.6 54.8

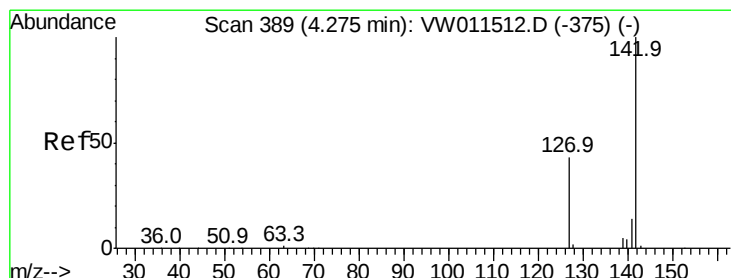
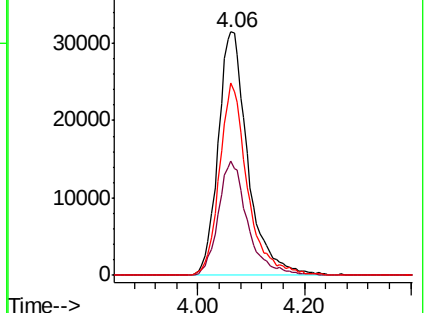
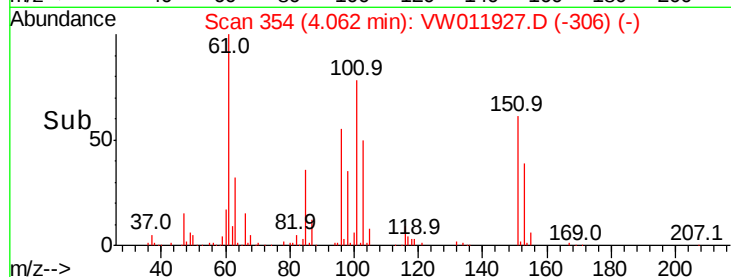
151 74.6 60.2 90.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 52.482 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.01 min

Lab File: VW011927.D

Acq: 15 Aug 2019 14:32

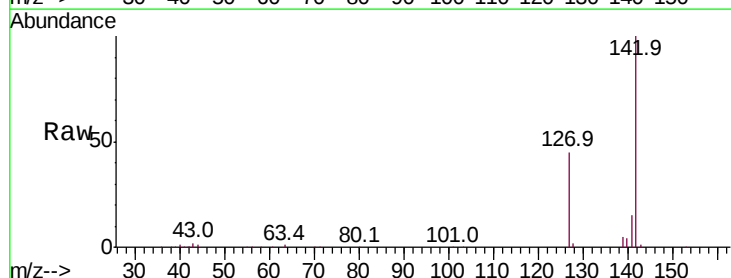
Tgt Ion:142 Resp: 161218

Ion Ratio Lower Upper

142 100

127 45.2 35.0 52.6

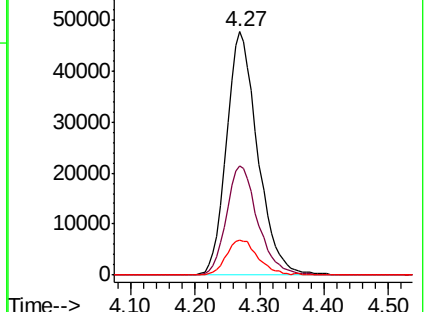
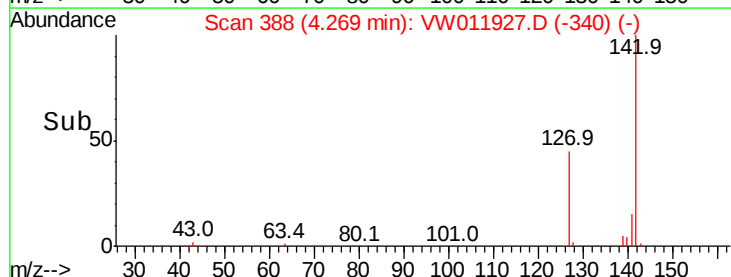
141 14.8 11.9 17.9

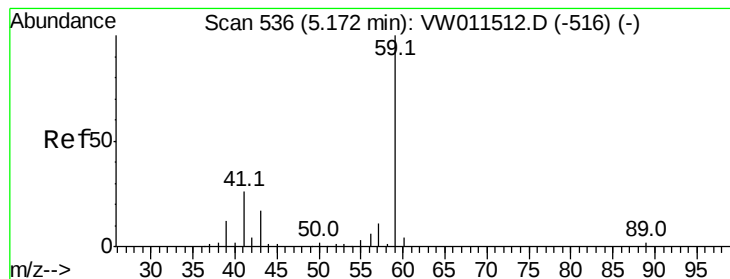


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



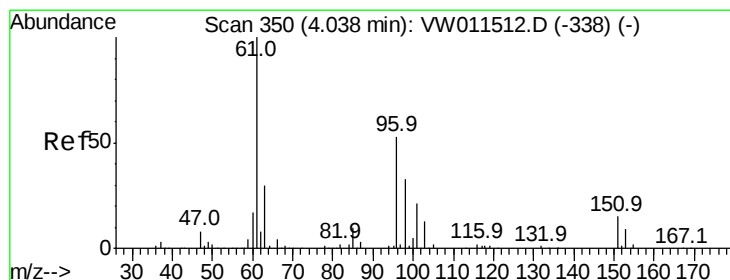
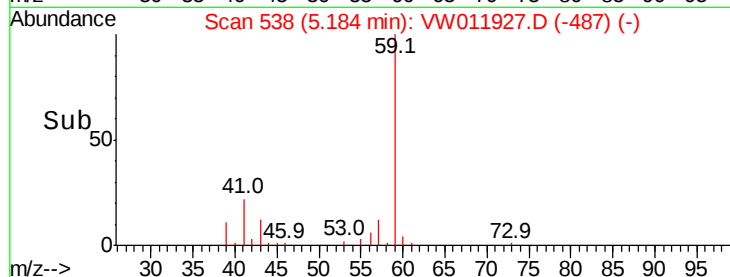
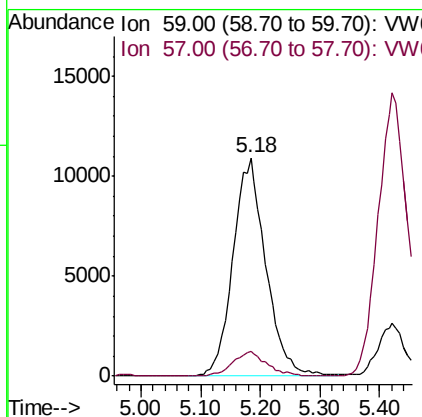
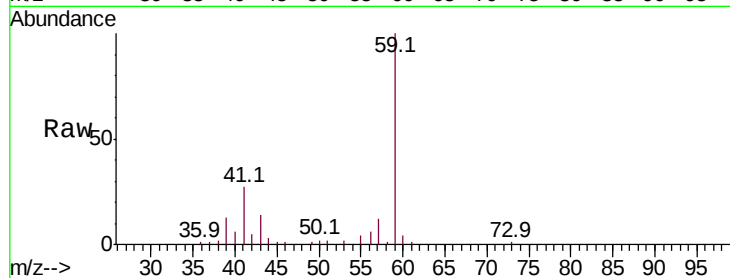


#11

Tert butyl alcohol
 Concen: 221.945 ug/l
 RT: 5.18 min Scan# 538
 Delta R.T. 0.01 min
 Lab File: VW011927.D
 Acq: 15 Aug 2019 14:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

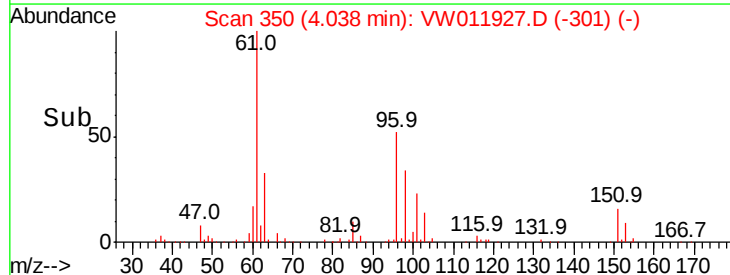
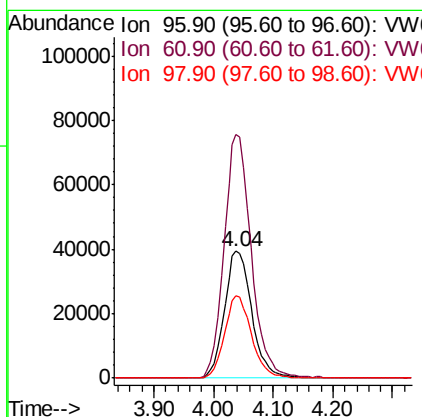
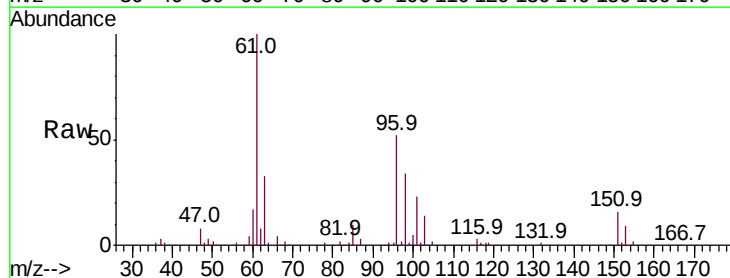
Tot Ion: 59 Resp: 41823
 Ion Ratio Lower Upper
 59 100
 57 11.7 8.5 12.7

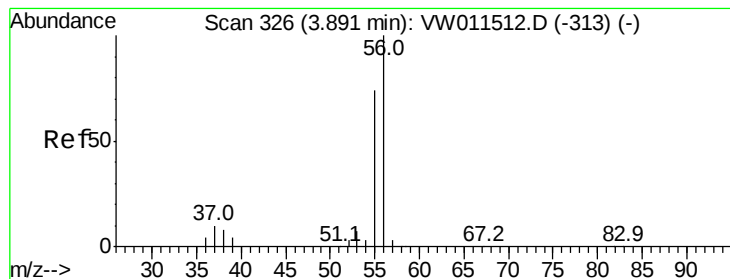


#12

1,1-Dichloroethene
 Concen: 54.778 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW011927.D
 Acq: 15 Aug 2019 14:32

Tgt Ion: 96 Resp: 125723
 Ion Ratio Lower Upper
 96 100
 61 192.3 149.9 224.9
 98 64.8 49.1 73.7





#13

Acrolein

Concen: 197.263 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW011927.D

Acq: 15 Aug 2019 14:32

Instrument :

MSVOA_W

ClientSampleId :

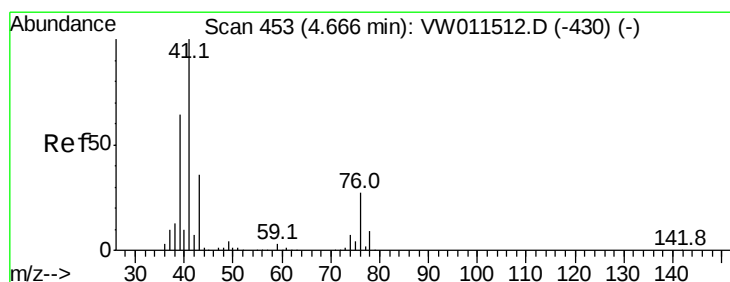
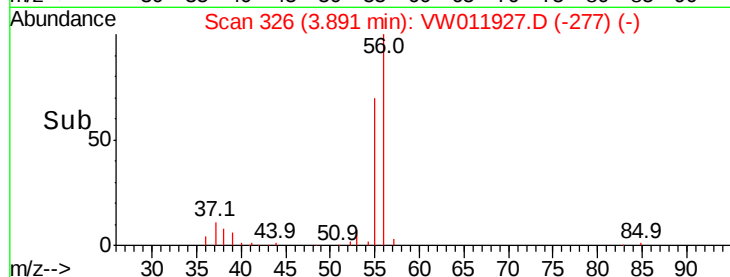
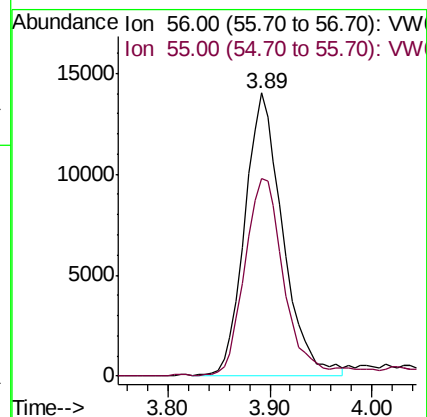
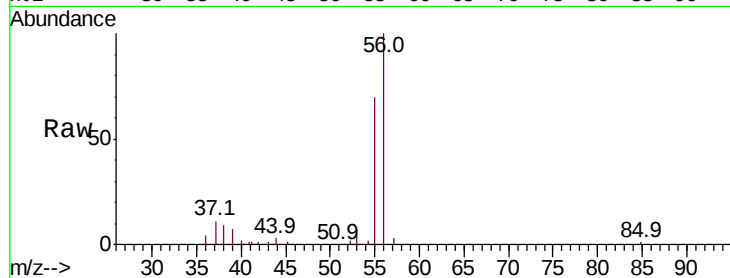
VSTDCCC050

Tot Ion: 56 Resp: 35818

Ion Ratio Lower Upper

56 100

55 72.3 56.0 84.0



#14

Allyl chloride

Concen: 56.138 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW011927.D

Acq: 15 Aug 2019 14:32

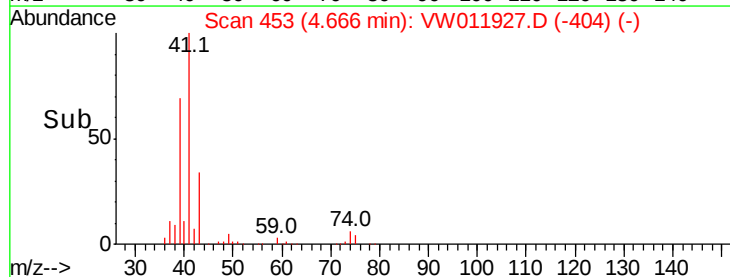
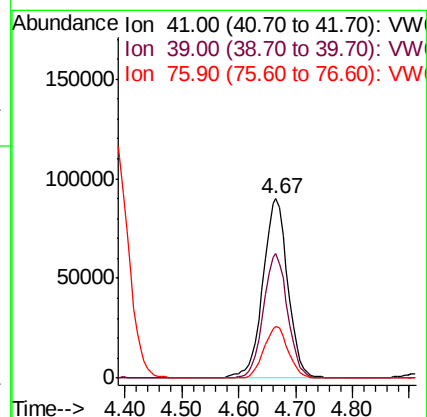
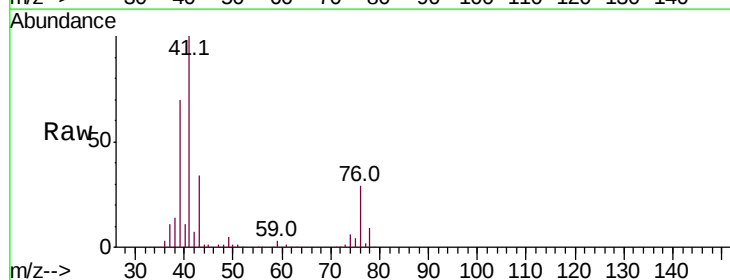
Tgt Ion: 41 Resp: 274041

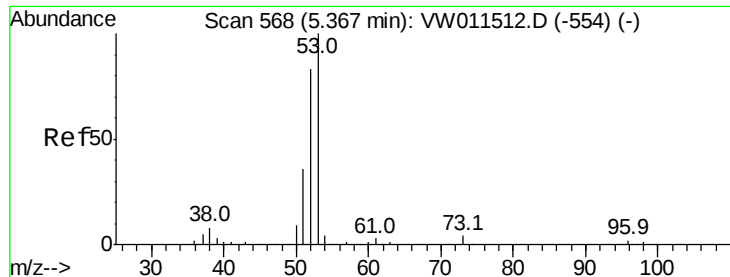
Ion Ratio Lower Upper

41 100

39 67.4 52.6 78.8

76 27.9 22.0 33.0





#15

Acrylonitrile

Concen: 264.467 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW011927.D

Acq: 15 Aug 2019 14:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

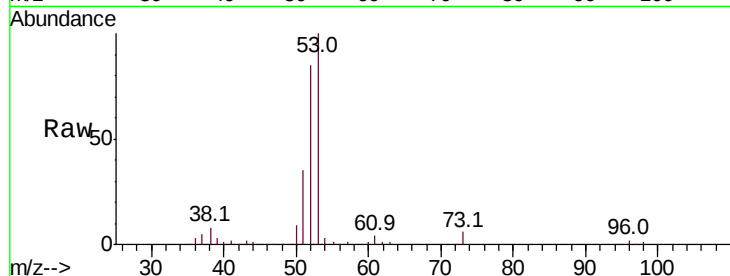
Tot Ion: 53 Resp: 171524

Ion Ratio Lower Upper

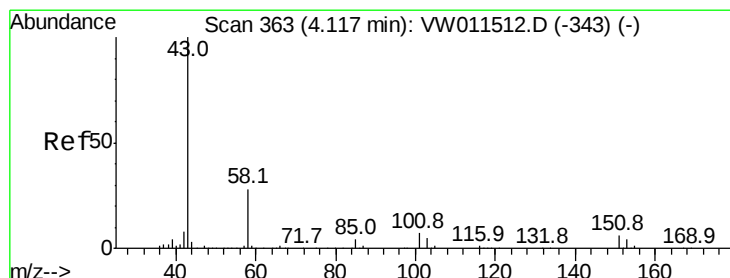
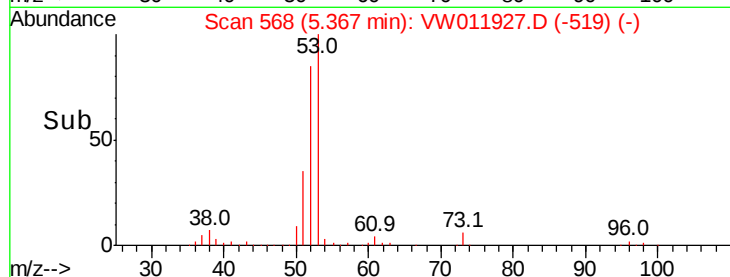
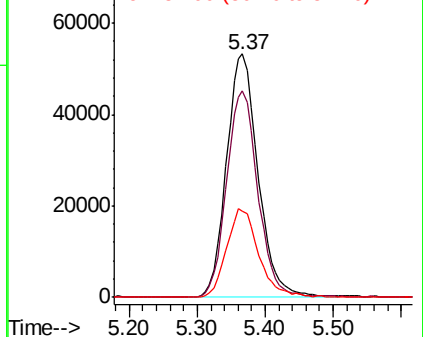
53 100

52 84.3 67.2 100.8

51 37.3 30.0 45.0



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: 266.197 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW011927.D

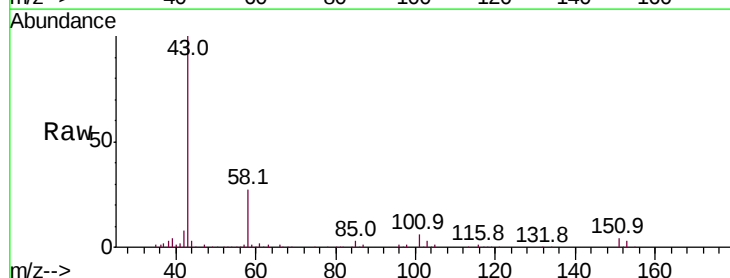
Acq: 15 Aug 2019 14:32

Tgt Ion: 43 Resp: 214279

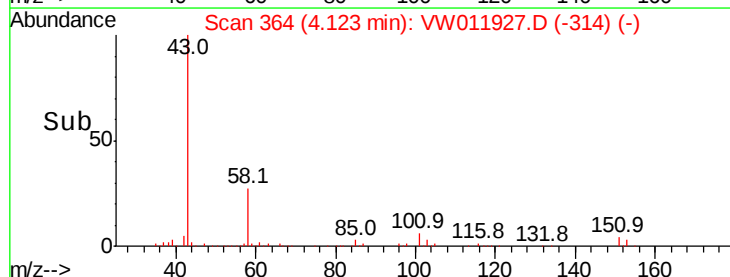
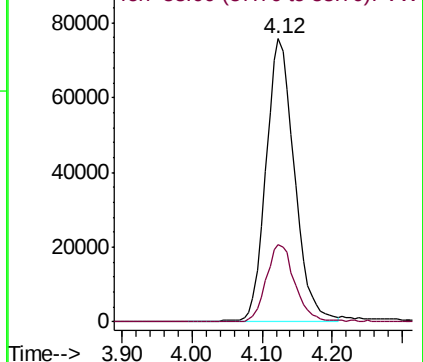
Ion Ratio Lower Upper

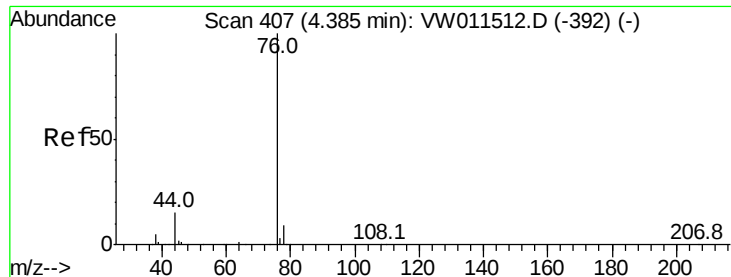
43 100

58 27.3 22.3 33.5



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

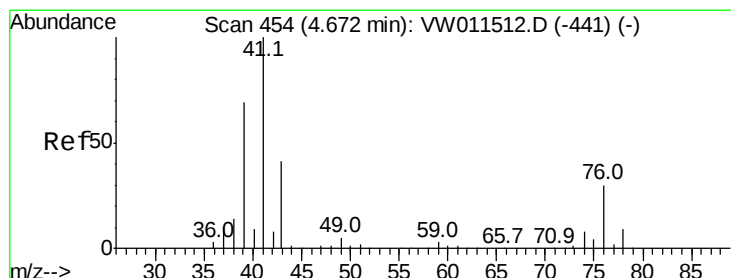
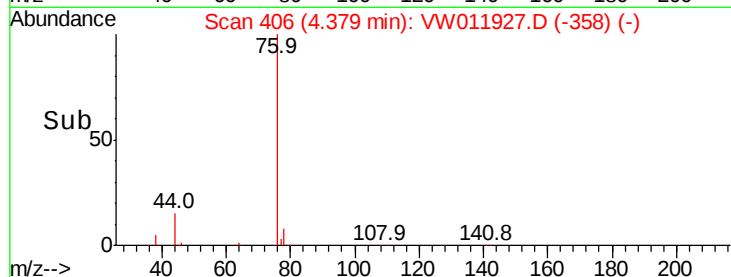
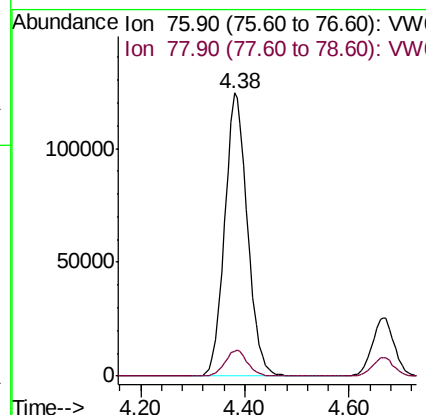
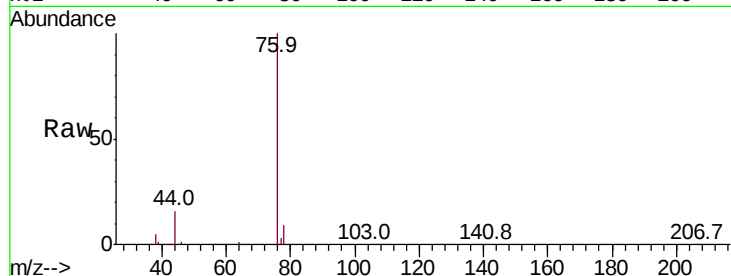




#17
Carbon Disulfide
Concen: 52.985 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW011927.D
Acq: 15 Aug 2019 14:32

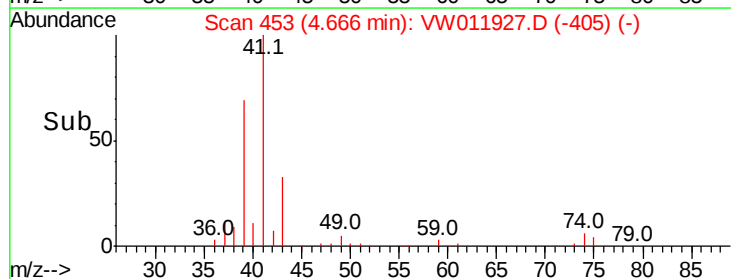
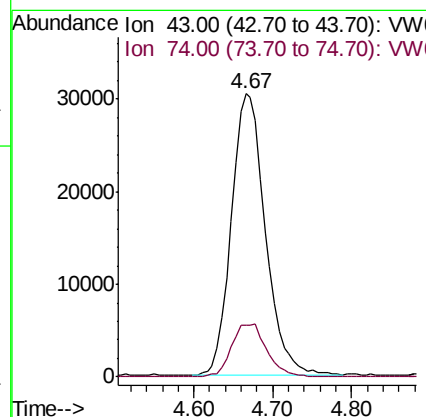
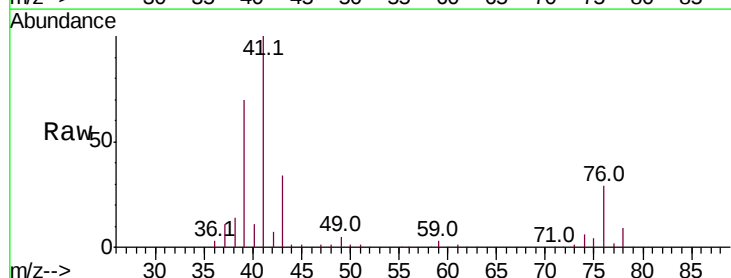
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

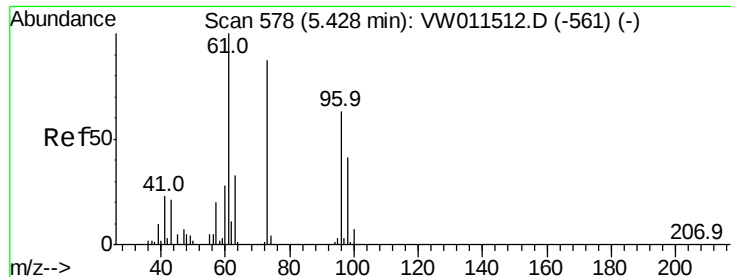
Tot Ion: 76 Resp: 380618
Ion Ratio Lower Upper
76 100
78 8.8 7.1 10.7



#18
Methyl Acetate
Concen: 50.658 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW011927.D
Acq: 15 Aug 2019 14:32

Tgt Ion: 43 Resp: 91606
Ion Ratio Lower Upper
43 100
74 19.5 15.9 23.9

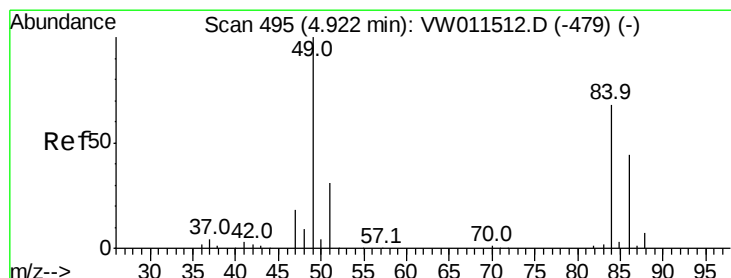
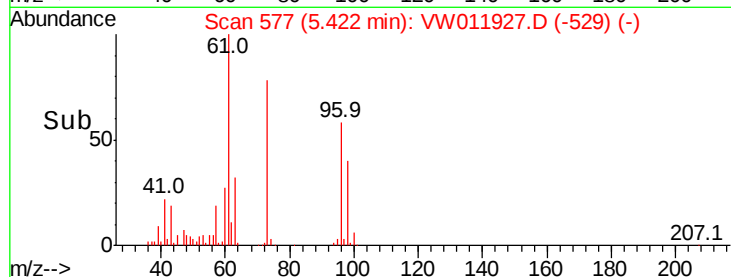
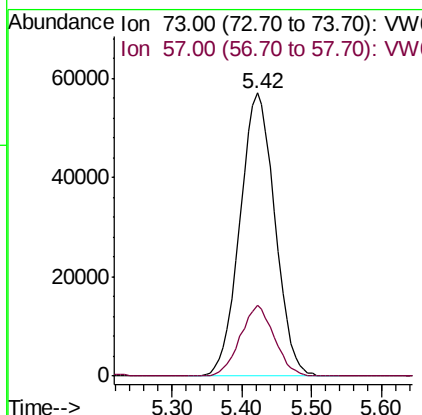
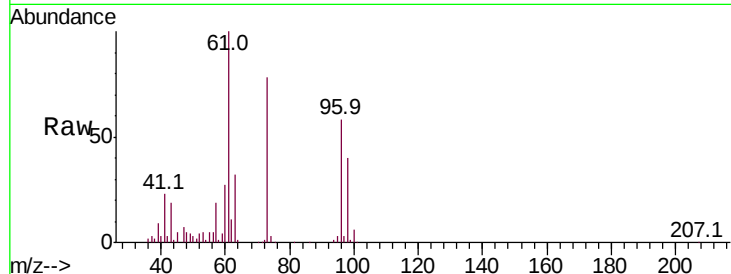




#19
Methyl tert-butyl Ether
Concen: 54.365 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW011927.D
Acq: 15 Aug 2019 14:32

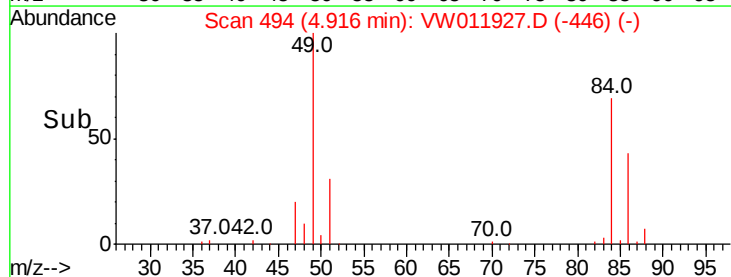
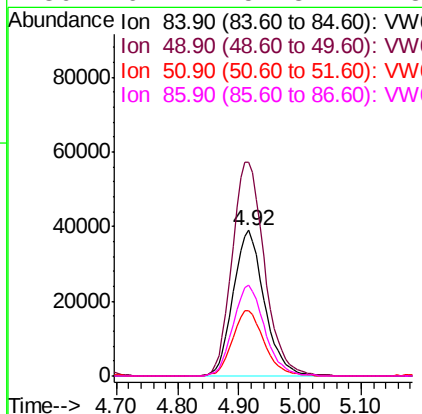
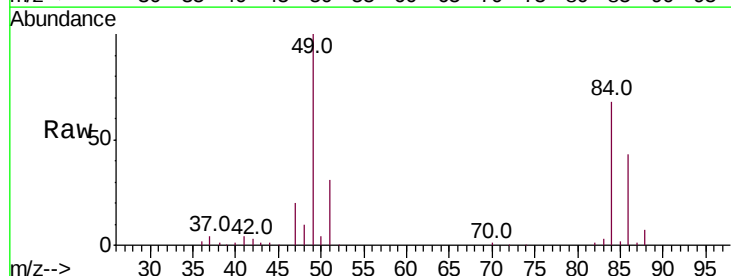
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

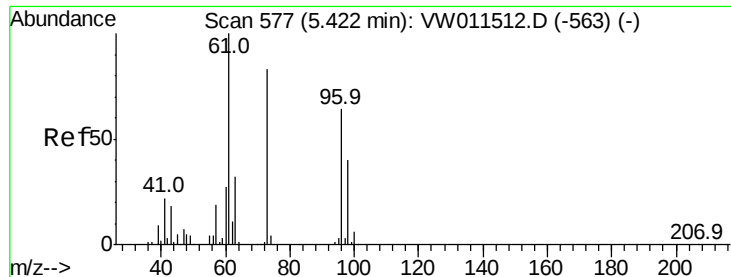
Tot Ion: 73 Resp: 198004
Ion Ratio Lower Upper
73 100
57 24.8 18.4 27.6



#20
Methylene Chloride
Concen: 49.489 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW011927.D
Acq: 15 Aug 2019 14:32

Tgt Ion: 84 Resp: 137389
Ion Ratio Lower Upper
84 100
49 146.7 117.8 176.6
51 45.3 37.0 55.4
86 62.4 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 54.675 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW011927.D

Acq: 15 Aug 2019 14:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

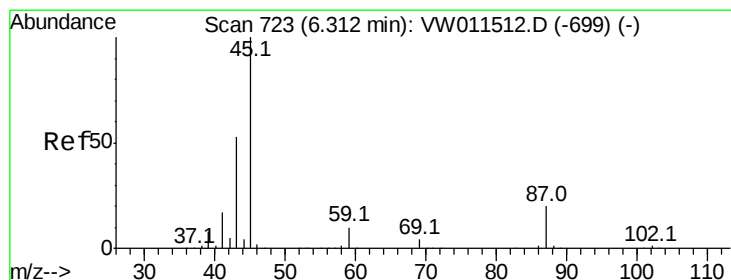
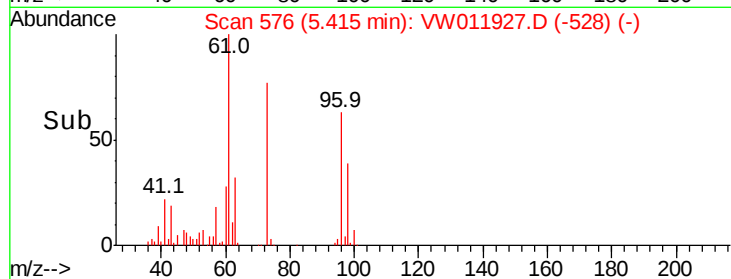
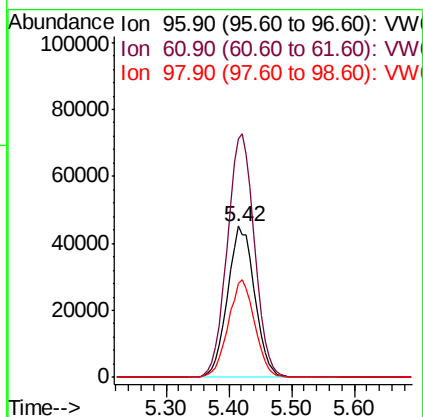
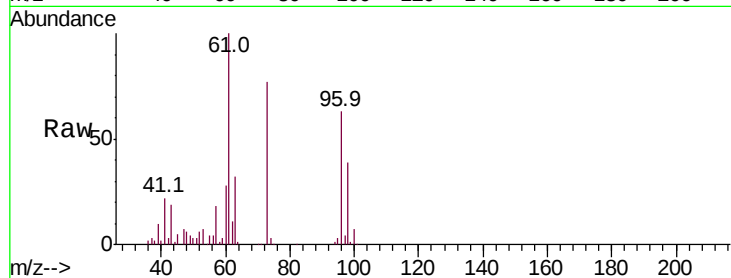
Tot Ion: 96 Resp: 135289

Ion Ratio Lower Upper

96 100

61 157.7 125.7 188.5

98 62.1 50.3 75.5



#22

Diisopropyl ether

Concen: 54.473 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW011927.D

Acq: 15 Aug 2019 14:32

Tgt Ion: 45 Resp: 501345

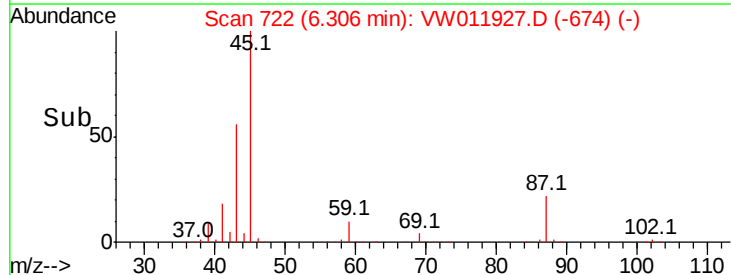
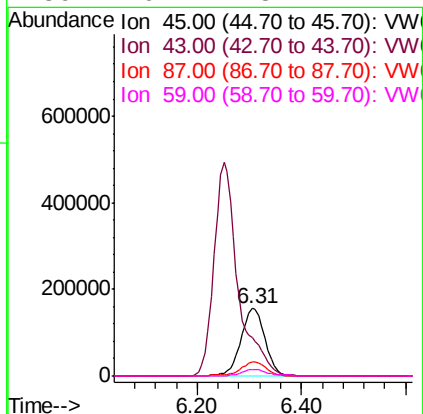
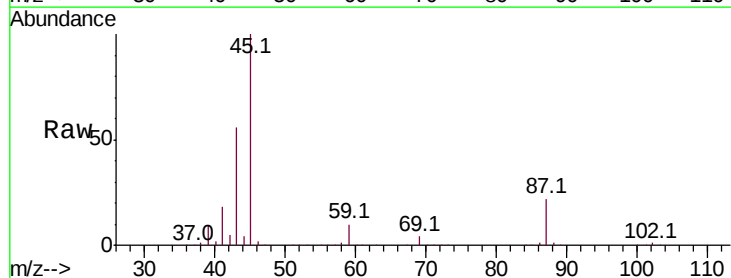
Ion Ratio Lower Upper

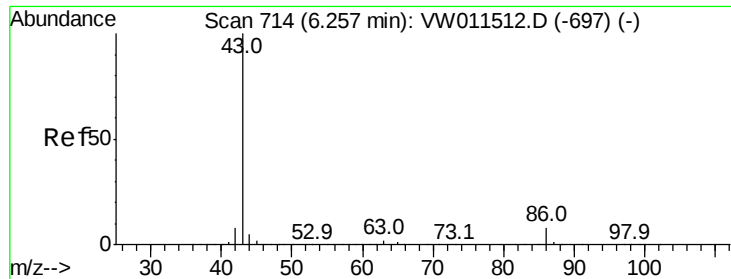
45 100

43 56.3 42.6 63.8

87 21.8 16.4 24.6

59 10.2 8.2 12.2

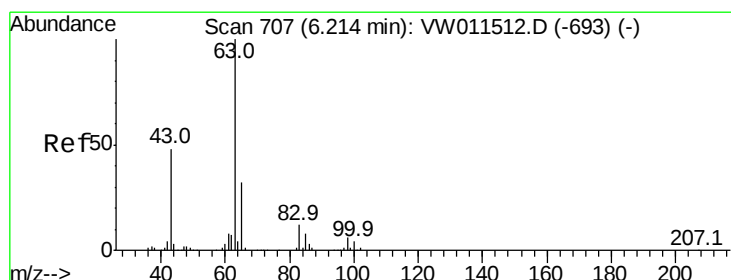
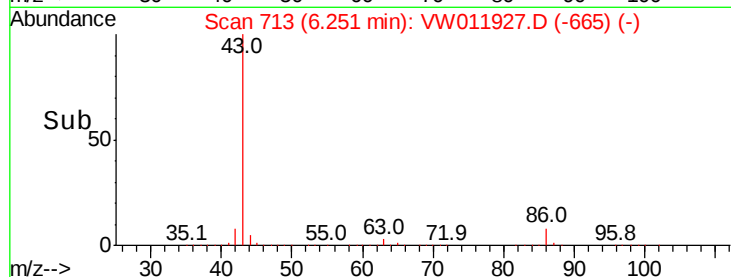
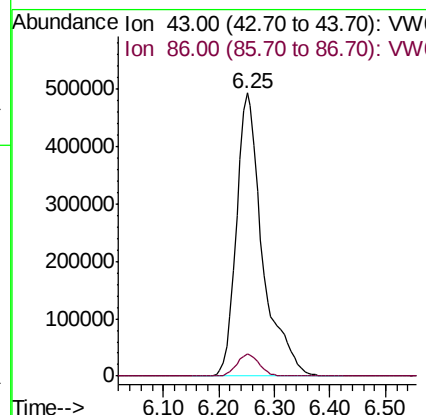
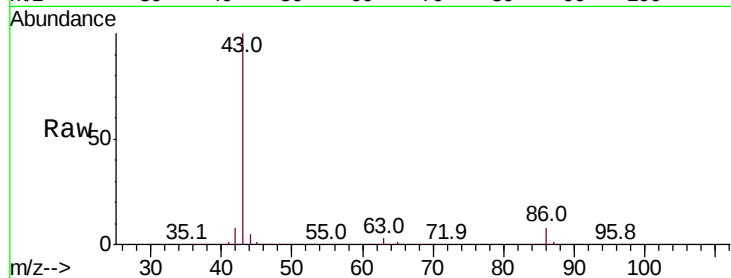




#23
 Vinyl Acetate
 Concen: 276.241 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. -0.01 min
 Lab File: VW011927.D
 Acq: 15 Aug 2019 14:32

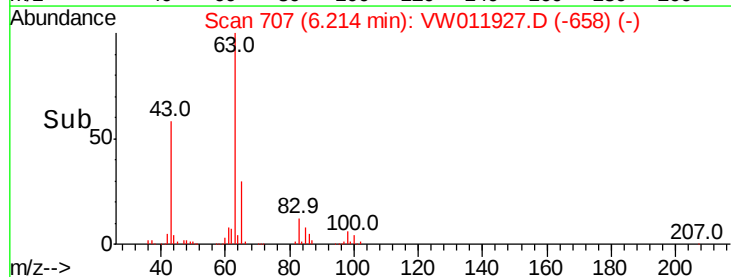
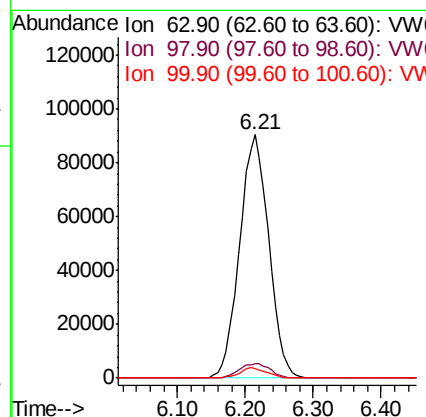
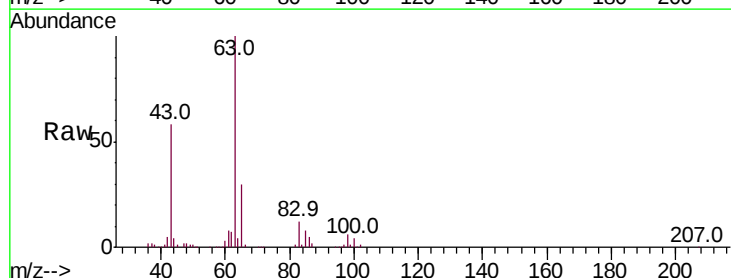
Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDCCC050

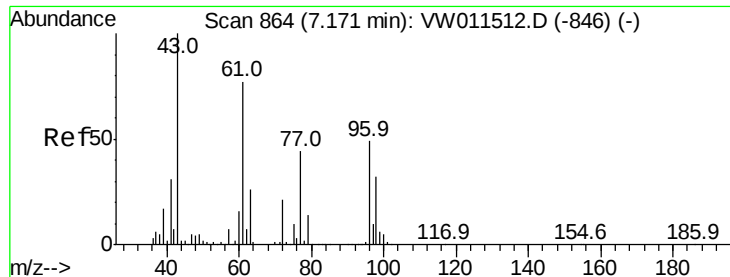
Tot Ion: 43 Resp: 1597523
 Ion Ratio Lower Upper
 43 100
 86 7.9 6.5 9.7



#24
 1,1-Dichloroethane
 Concen: 54.526 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VW011927.D
 Acq: 15 Aug 2019 14:32

Tgt Ion: 63 Resp: 268763
 Ion Ratio Lower Upper
 63 100
 98 6.0 2.9 8.8
 100 3.8 2.1 6.3





#25

2-Butanone

Concen: 254.757 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW011927.D

Acq: 15 Aug 2019 14:32

Instrument :

MSVOA_W

ClientSampled :

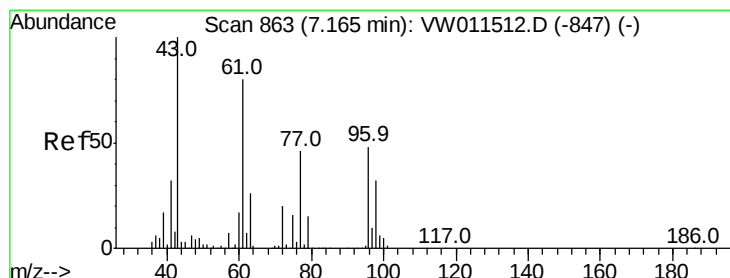
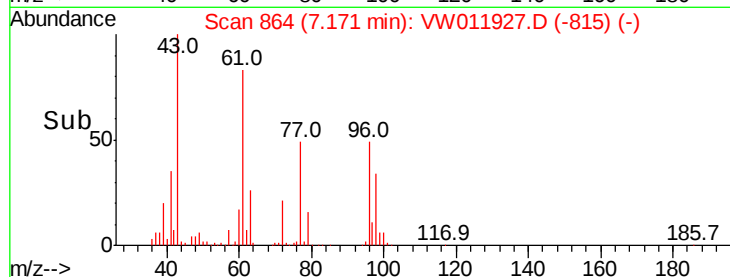
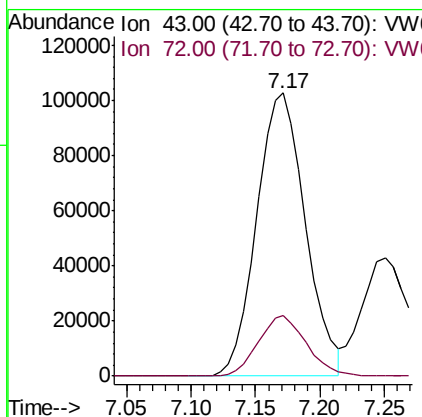
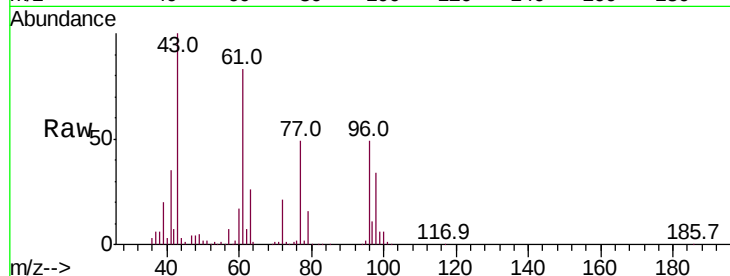
VSTDCCC050

Tot Ion: 43 Resp: 268340

Ion Ratio Lower Upper

43 100

72 21.4 16.6 24.8



#26

2,2-Dichloropropane

Concen: 50.958 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW011927.D

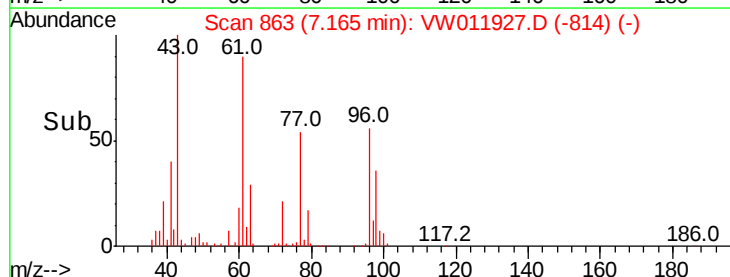
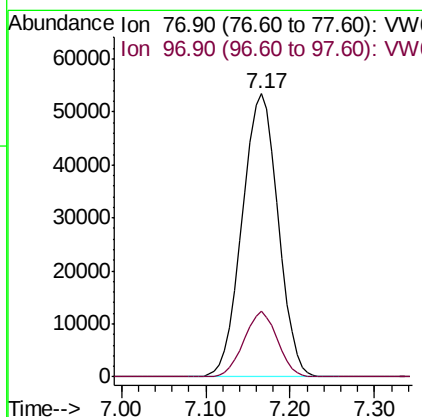
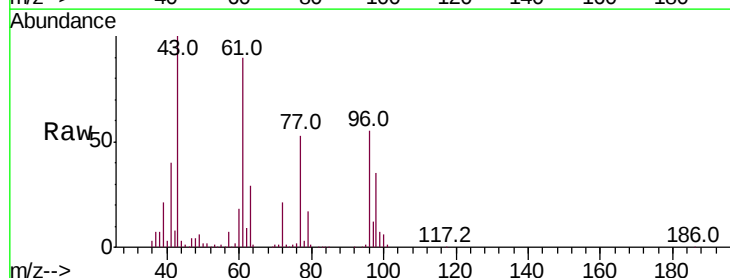
Acq: 15 Aug 2019 14:32

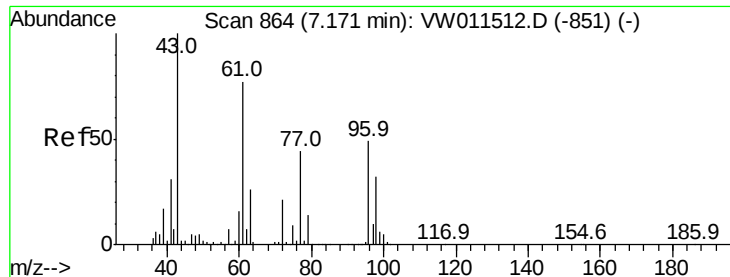
Tgt Ion: 77 Resp: 154472

Ion Ratio Lower Upper

77 100

97 21.8 10.8 32.4

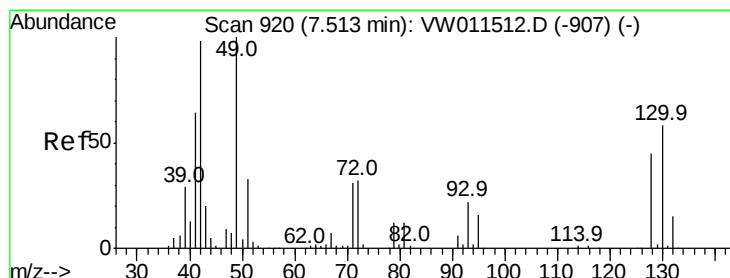
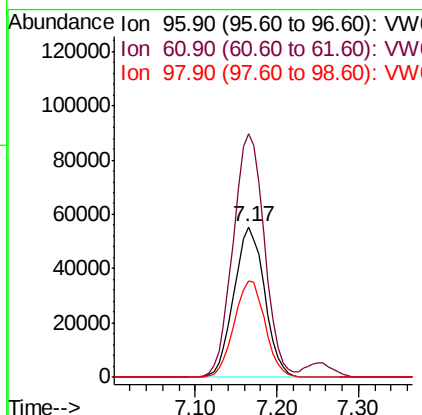
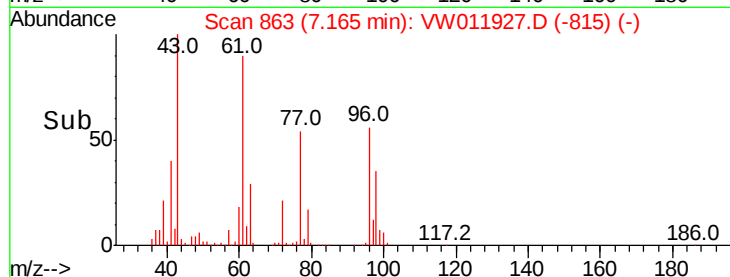
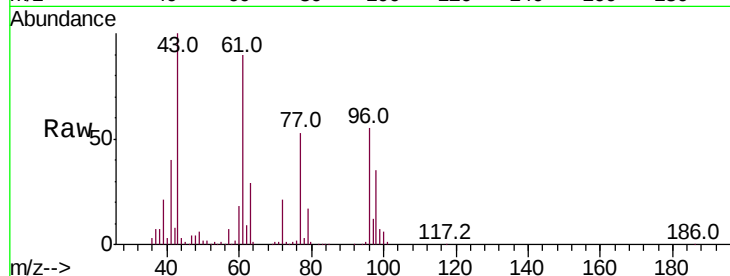




#27
 cis-1,2-Dichloroethene
 Concen: 53.094 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW011927.D
 Acq: 15 Aug 2019 14:32

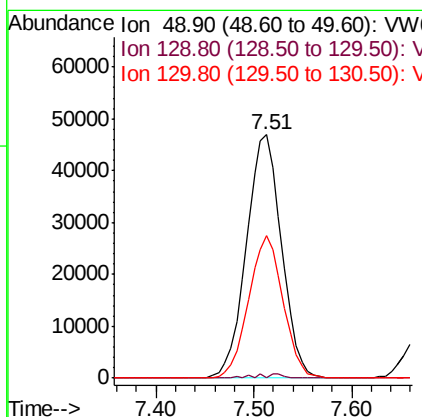
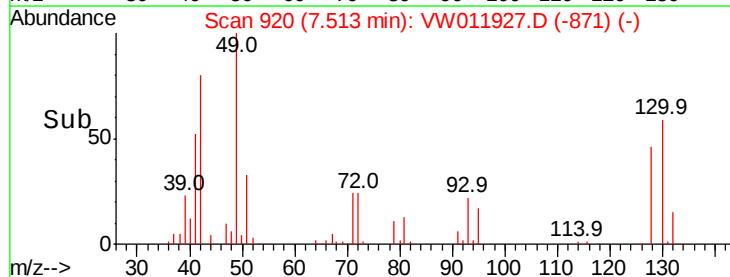
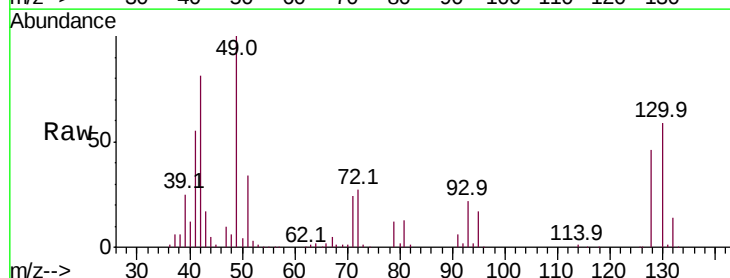
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

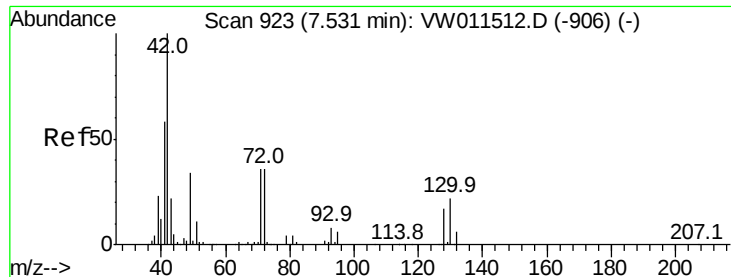
Tot Ion: 96 Resp: 144593
 Ion Ratio Lower Upper
 96 100
 61 164.5 0.0 328.4
 98 64.6 0.0 128.8



#28
 Bromochloromethane
 Concen: 53.414 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW011927.D
 Acq: 15 Aug 2019 14:32

Tgt Ion: 49 Resp: 116862
 Ion Ratio Lower Upper
 49 100
 129 1.0 0.0 1.0#
 130 57.1 46.3 69.5

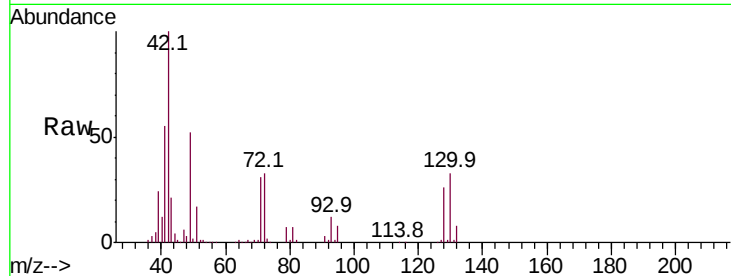




#29
Tetrahydrofuran
Concen: 260.468 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW011927.D
Acq: 15 Aug 2019 14:32

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.0	27.1	40.7
71	31.8	26.2	39.4

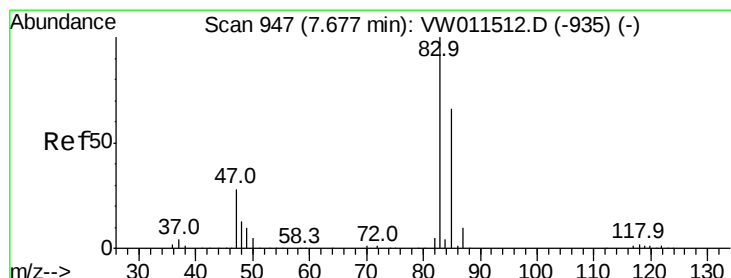
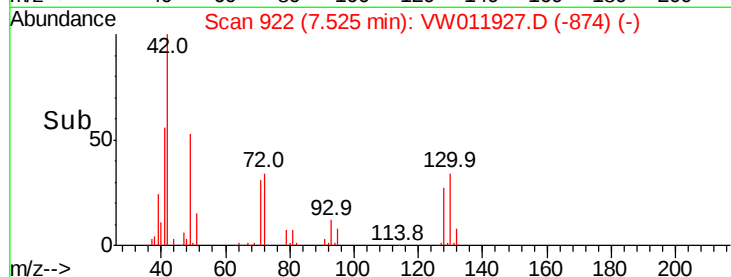
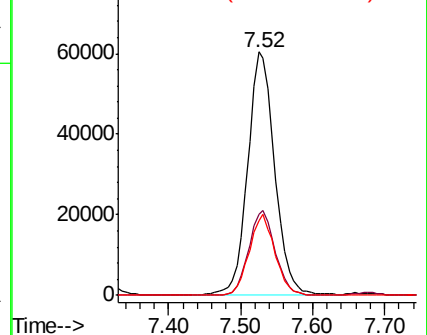


Abundance

Ion 42.00 (41.70 to 42.70): VW

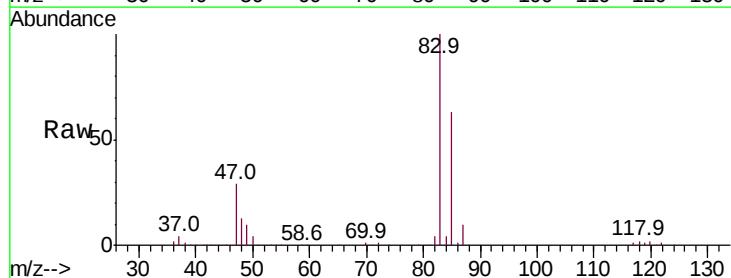
Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW



#30
Chloroform
Concen: 54.609 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW011927.D
Acq: 15 Aug 2019 14:32

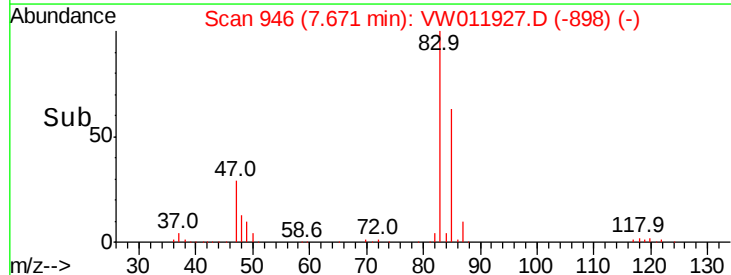
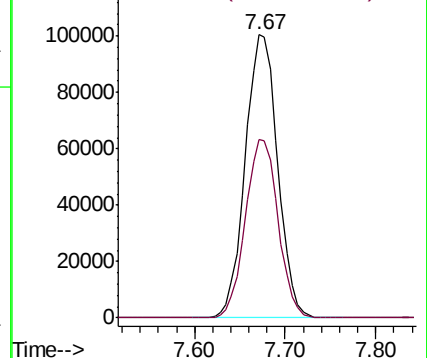
Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.9	52.5	78.7

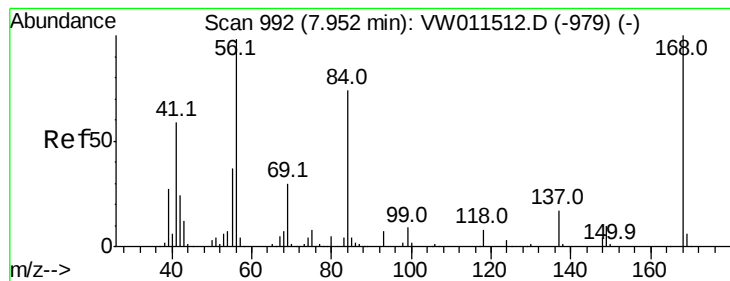


Abundance

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW





#31

Cyclohexane

Concen: 53.403 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW011927.D

Acq: 15 Aug 2019 14:32

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

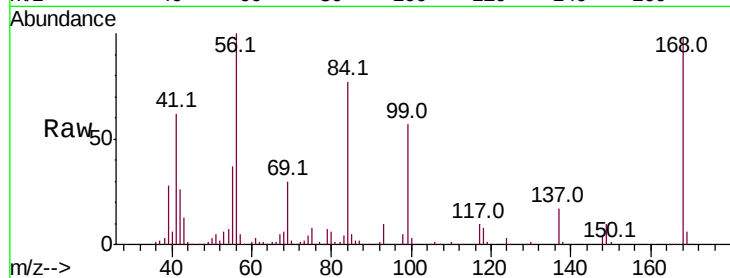
Tot Ion: 56 Resp: 252675

Ion Ratio Lower Upper

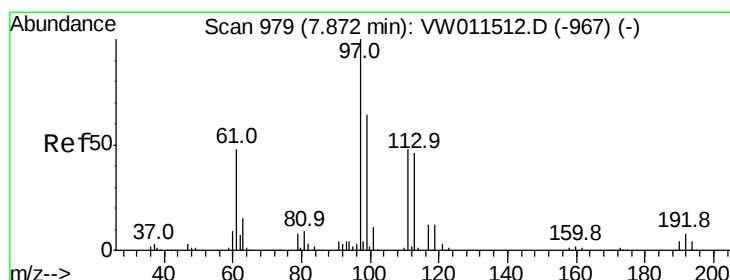
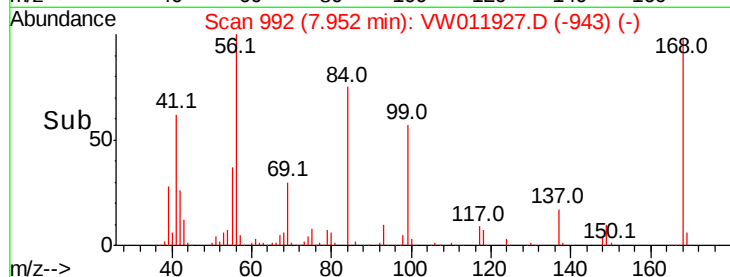
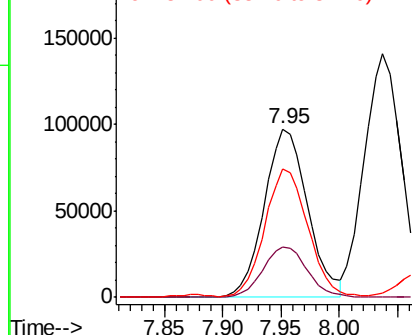
56 100

69 29.9 24.3 36.5

84 75.1 60.4 90.6



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: 56.961 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW011927.D

Acq: 15 Aug 2019 14:32

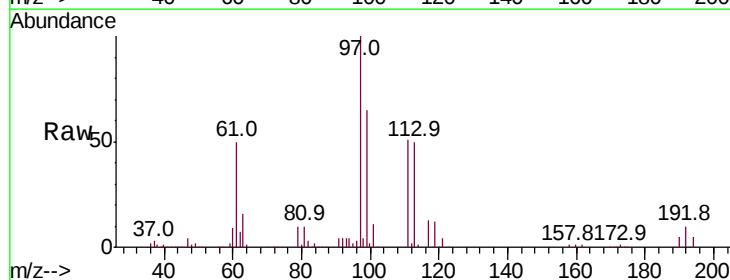
Tgt Ion: 97 Resp: 197267

Ion Ratio Lower Upper

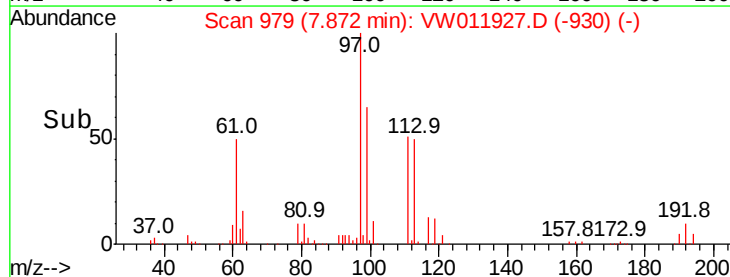
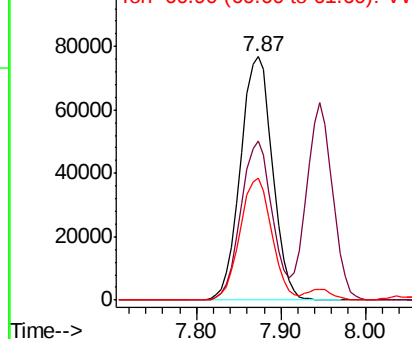
97 100

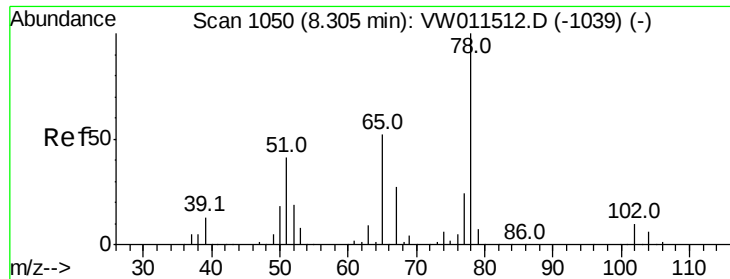
99 64.0 51.0 76.6

61 50.0 39.8 59.6



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

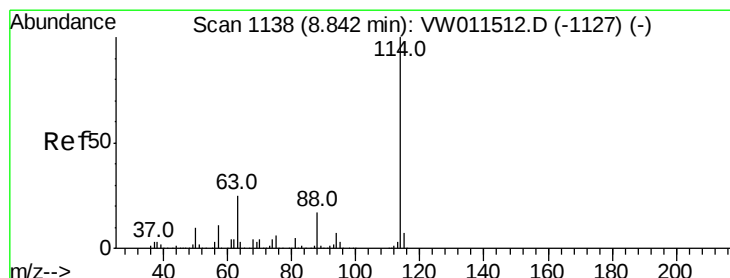
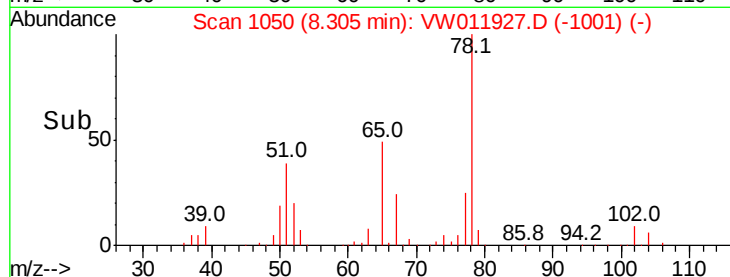
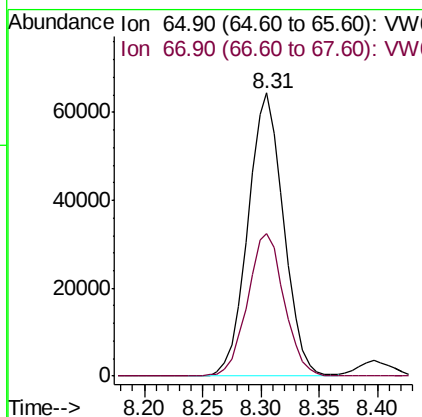
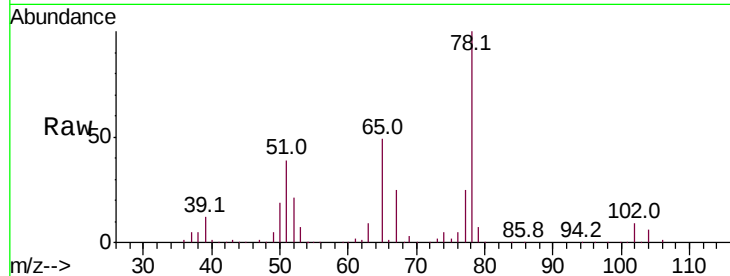




#33
 1,2-Dichloroethane-d4
 Concen: 54.013 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW011927.D
 Acq: 15 Aug 2019 14:32

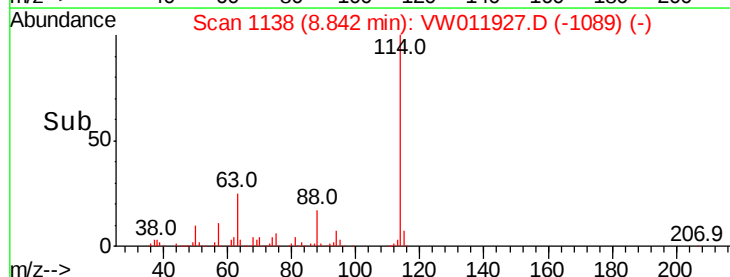
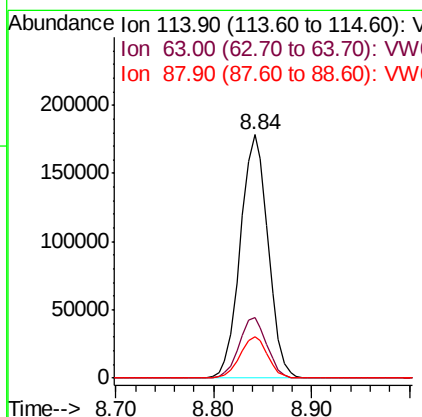
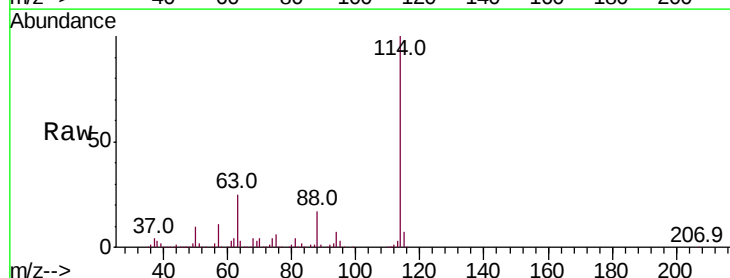
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

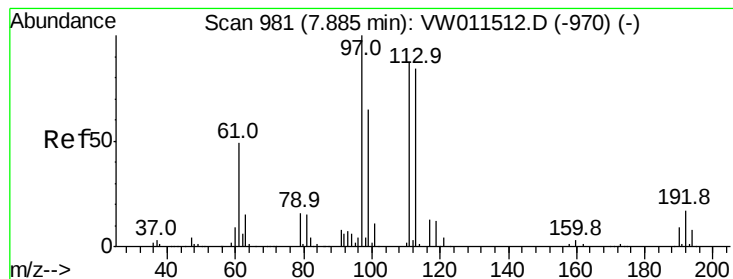
Tot Ion: 65 Resp: 136684
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011927.D
 Acq: 15 Aug 2019 14:32

Tgt Ion: 114 Resp: 349327
 Ion Ratio Lower Upper
 114 100
 63 24.6 0.0 49.2
 88 17.0 0.0 33.8





#35

Dibromofluoromethane

Concen: 56.837 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW011927.D

Acq: 15 Aug 2019 14:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

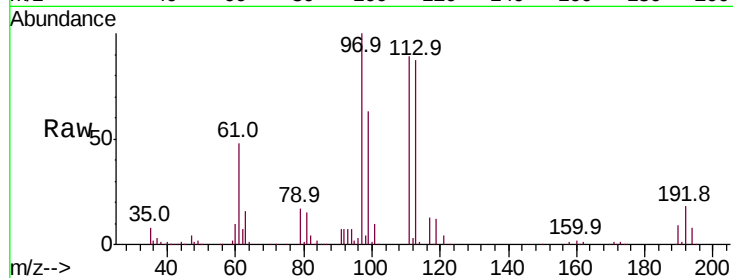
Tot Ion:113 Resp: 111389

Ion Ratio Lower Upper

113 100

111 103.4 82.7 124.1

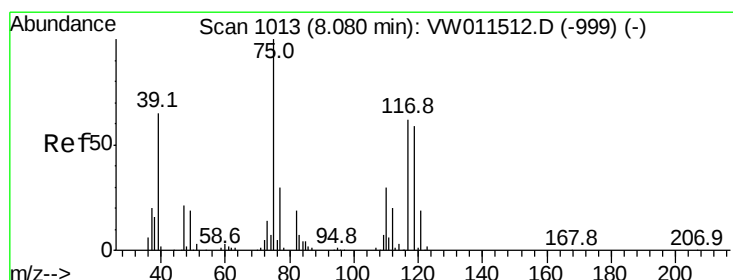
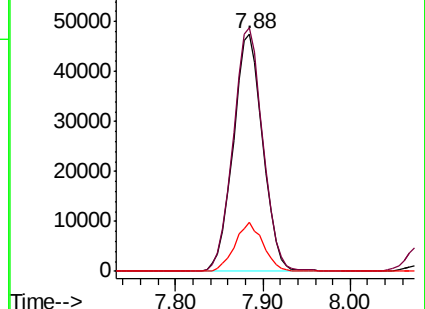
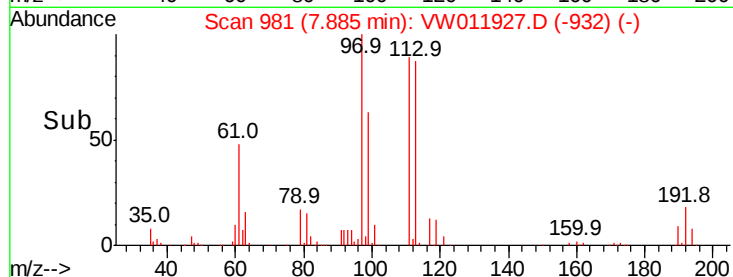
192 19.8 16.1 24.1



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: 56.878 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW011927.D

Acq: 15 Aug 2019 14:32

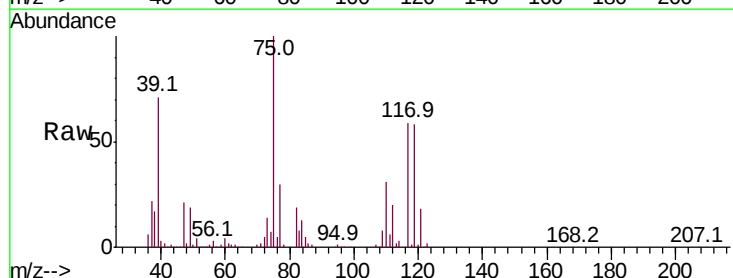
Tgt Ion: 75 Resp: 206601

Ion Ratio Lower Upper

75 100

110 31.4 15.6 46.8

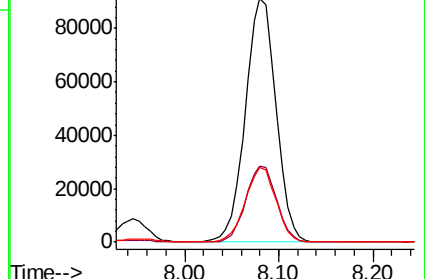
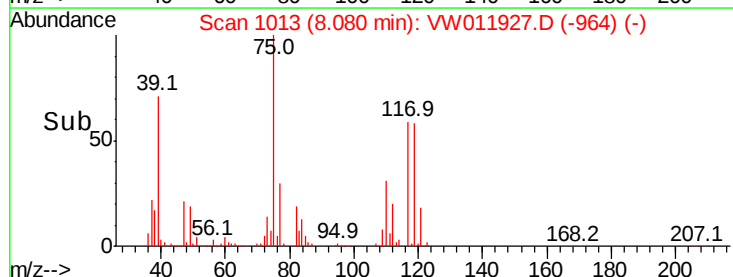
77 30.9 24.3 36.5

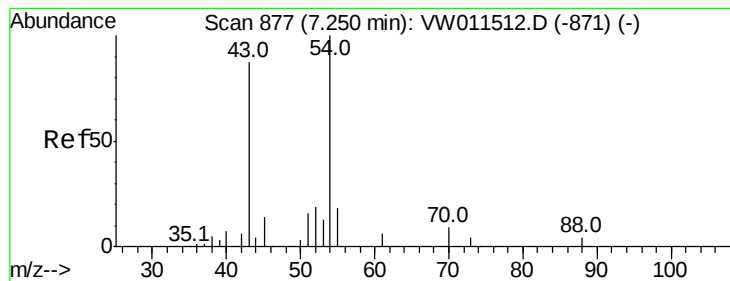


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 53.594 ug/l

RT: 7.25 min Scan# 877

Delta R.T. 0.00 min

Lab File: VW011927.D

Acq: 15 Aug 2019 14:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

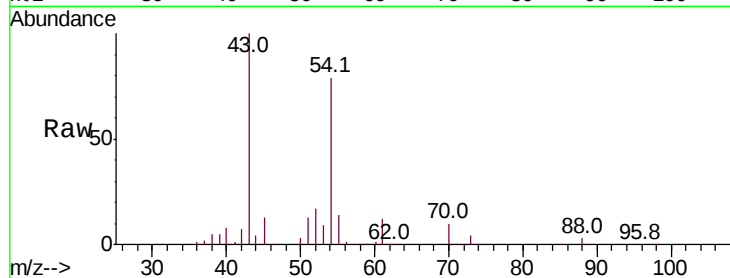
Tot Ion: 43 Resp: 112000

Ion Ratio Lower Upper

43 100

61 12.0 8.8 13.2

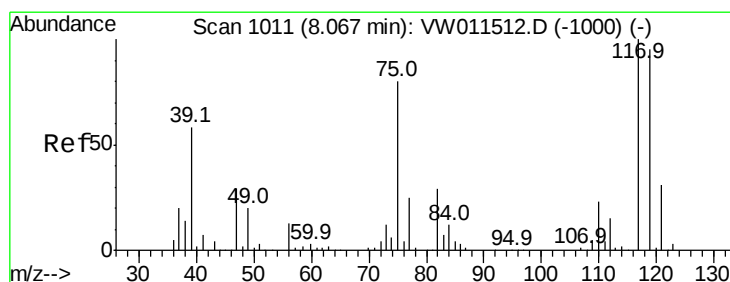
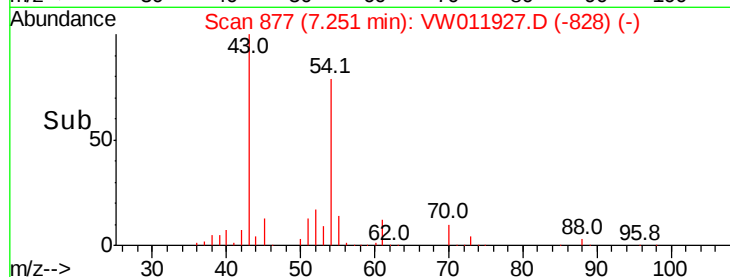
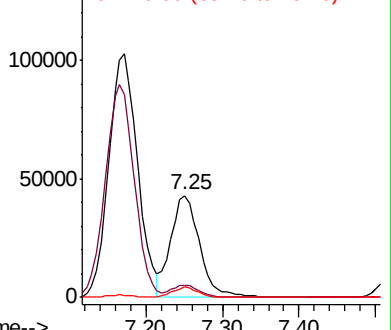
70 8.8 7.1 10.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 58.929 ug/l

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW011927.D

Acq: 15 Aug 2019 14:32

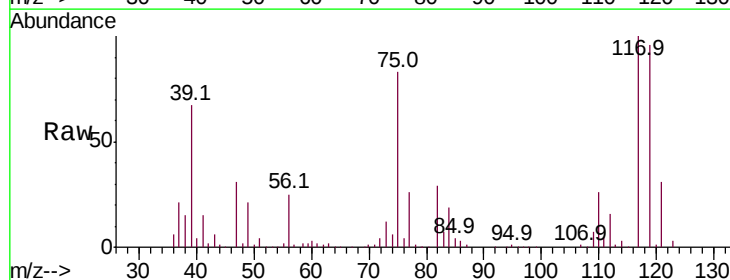
Tgt Ion: 117 Resp: 183242

Ion Ratio Lower Upper

117 100

119 96.5 75.8 113.6

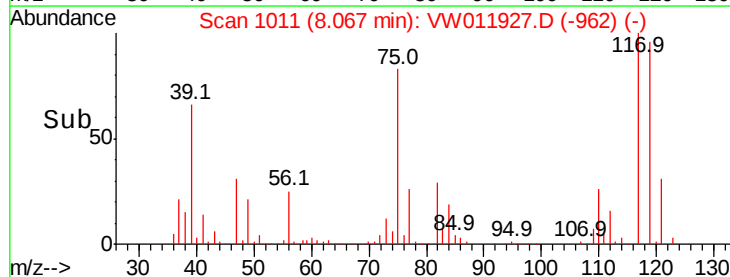
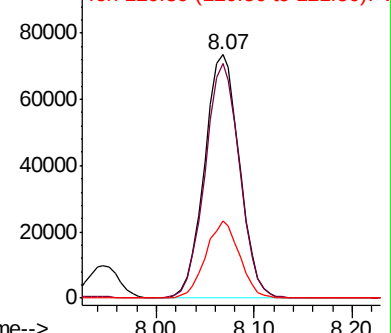
121 31.5 24.7 37.1

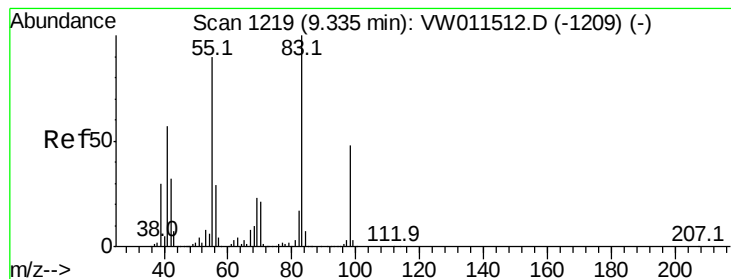


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#39

Methylcyclohexane

Concen: 57.252 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW011927.D

Acq: 15 Aug 2019 14:32

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

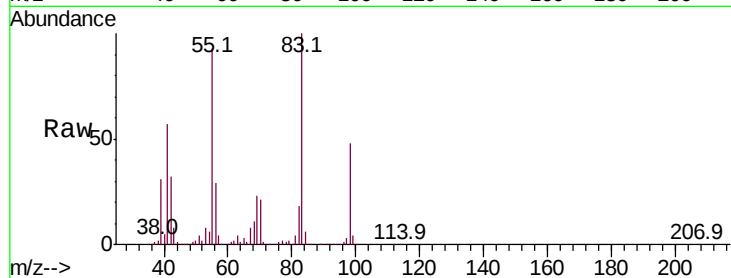
Tot Ion: 83 Resp: 228990

Ion Ratio Lower Upper

83 100

55 92.9 72.1 108.1

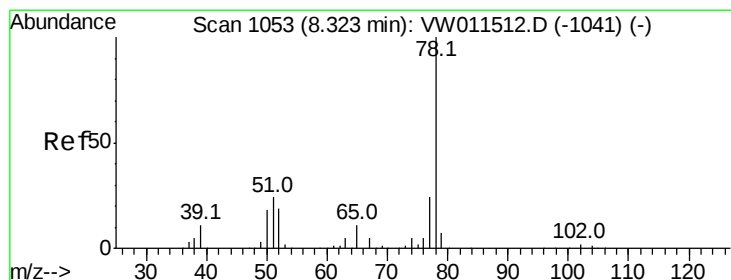
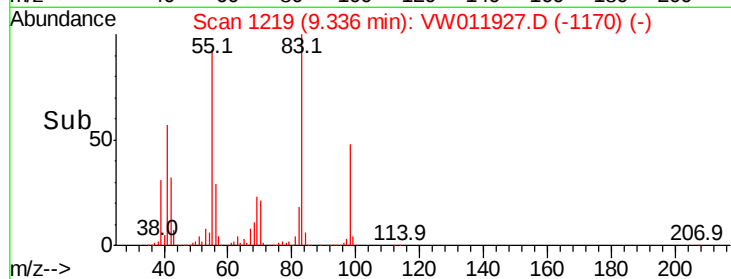
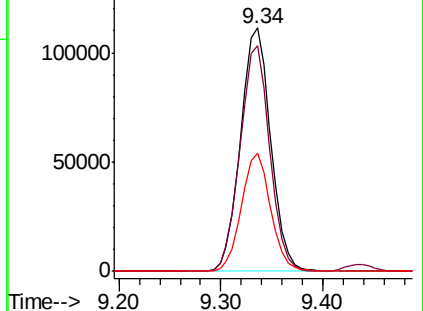
98 48.4 38.6 57.8



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW



#40

Benzene

Concen: 55.025 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW011927.D

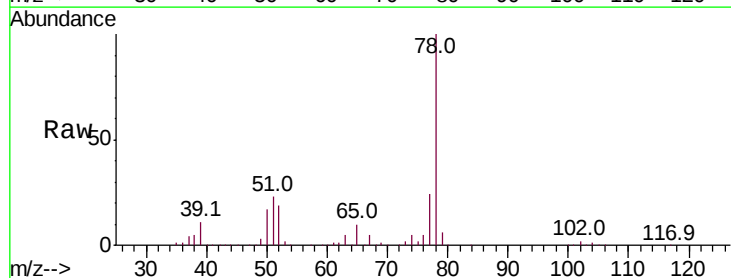
Acq: 15 Aug 2019 14:32

Tgt Ion: 78 Resp: 559847

Ion Ratio Lower Upper

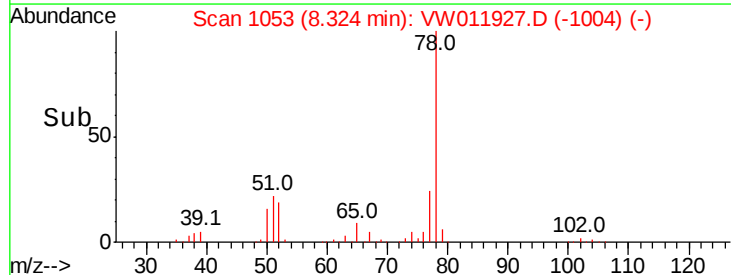
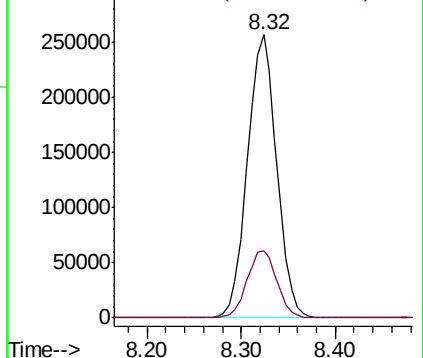
78 100

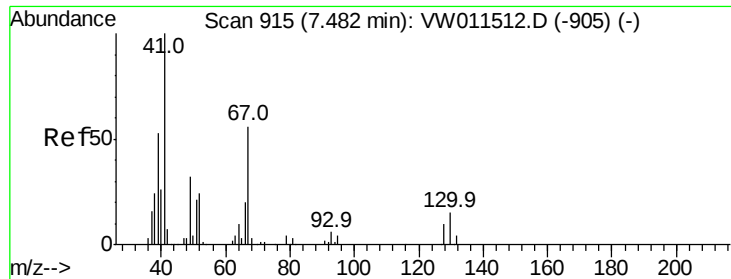
77 23.7 19.4 29.0



Abundance Ion 78.00 (77.70 to 78.70): VW

Ion 77.00 (76.70 to 77.70): VW

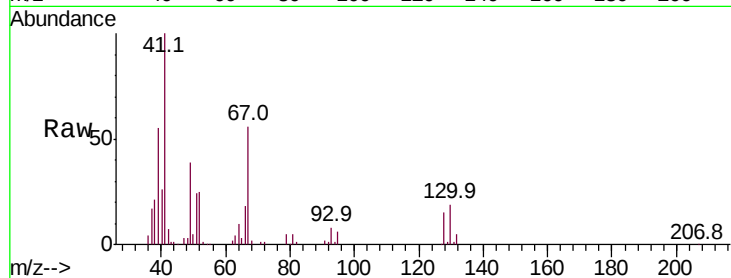




#41
Methacrylonitrile
Concen: 54.534 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW011927.D
Acq: 15 Aug 2019 14:32

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	68125
Ion	Ratio	Lower	Upper
41	100		
39	52.6	43.0	64.4
67	56.2	47.5	71.3
52	26.5	21.0	31.6



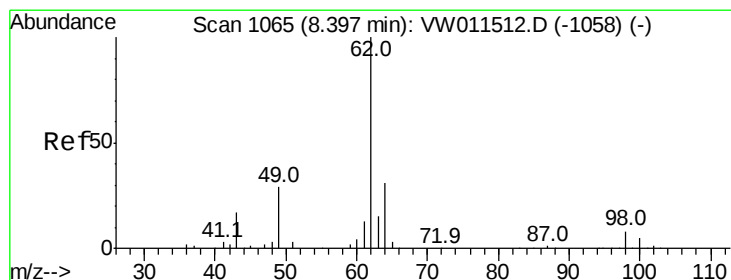
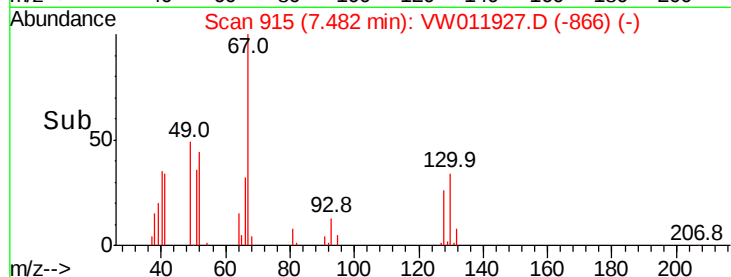
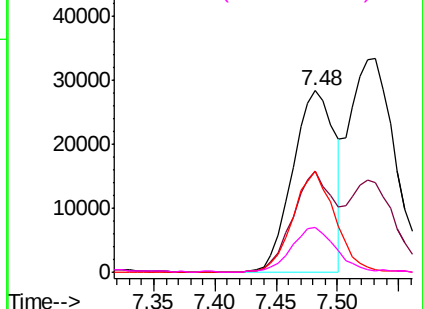
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

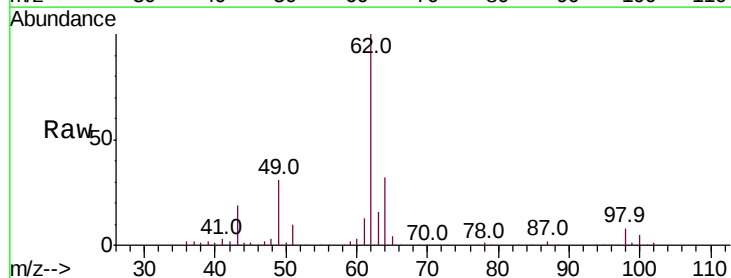
Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42
1,2-Dichloroethane
Concen: 55.441 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW011927.D
Acq: 15 Aug 2019 14:32

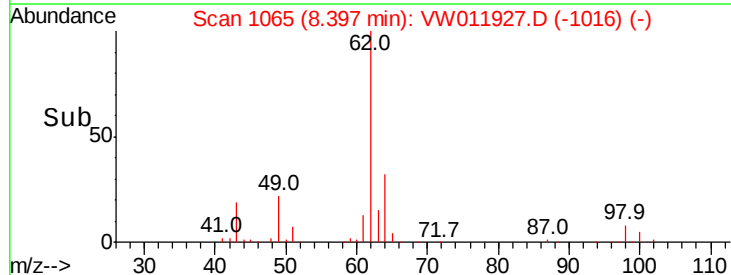
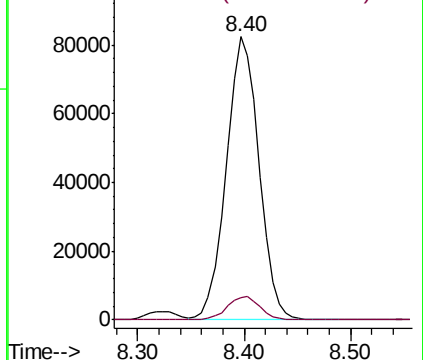
Tgt Ion:	62	Resp:	176605
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	16.8

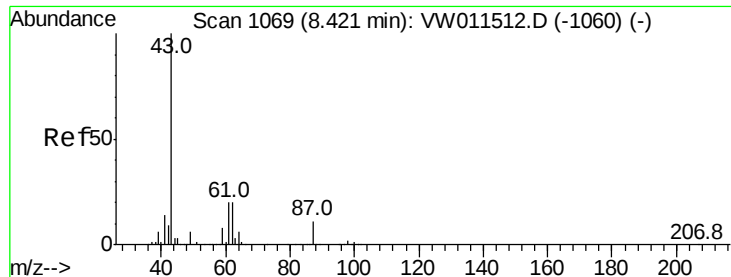


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 55.088 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW011927.D

Acq: 15 Aug 2019 14:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

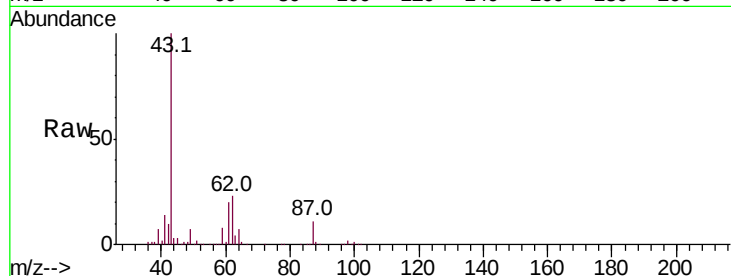
Tot Ion: 43 Resp: 211721

Ion Ratio Lower Upper

43 100

61 26.3 21.5 32.3

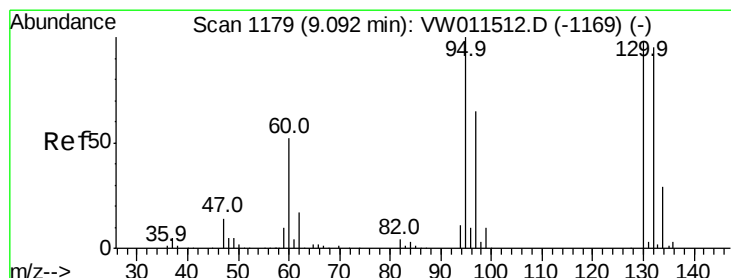
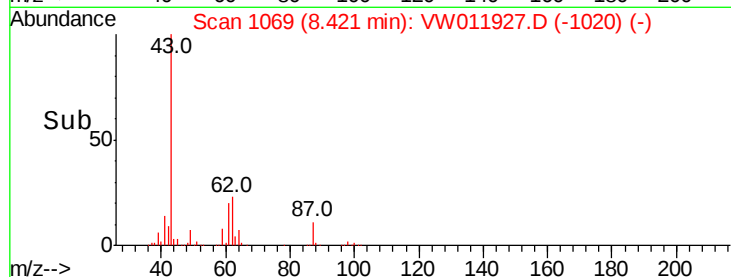
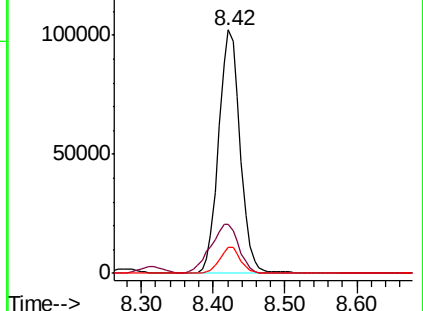
87 10.3 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 55.553 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW011927.D

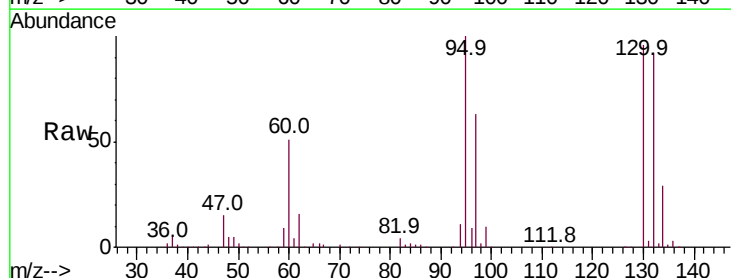
Acq: 15 Aug 2019 14:32

Tgt Ion: 130 Resp: 135849

Ion Ratio Lower Upper

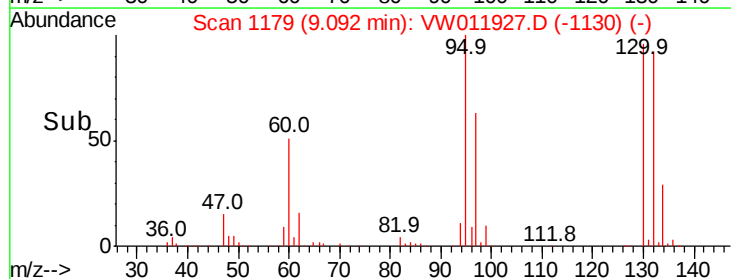
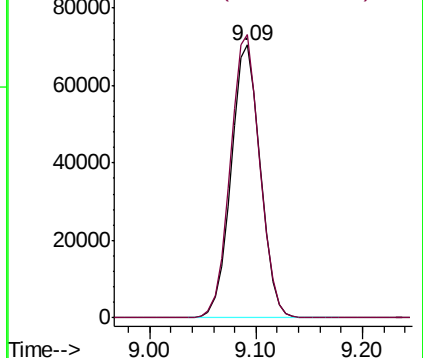
130 100

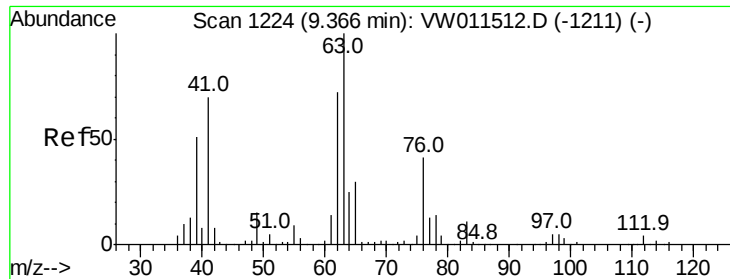
95 103.8 0.0 204.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 55.554 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW011927.D

Acq: 15 Aug 2019 14:32

Instrument :

MSVOA_W

ClientSampleId :

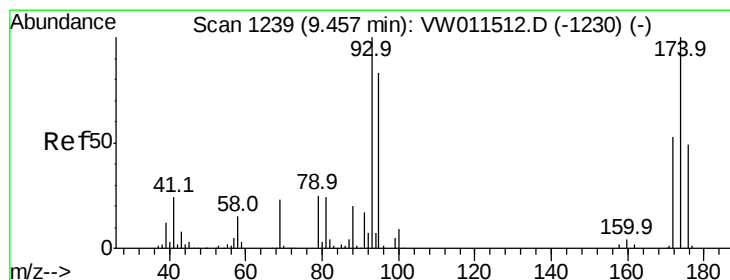
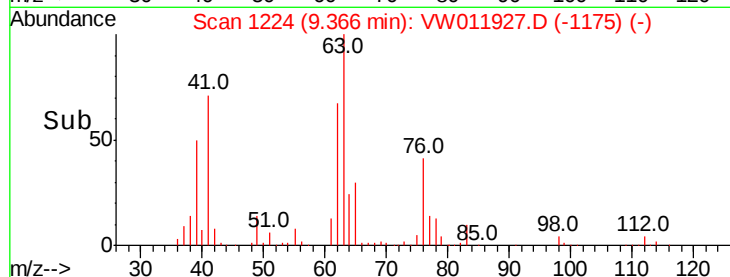
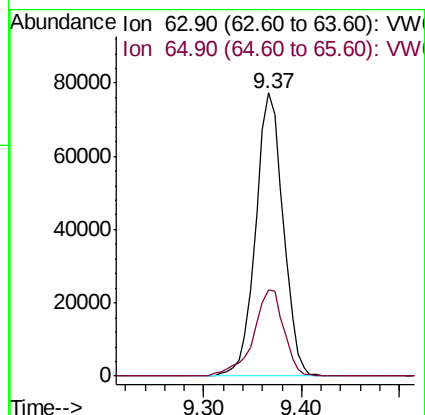
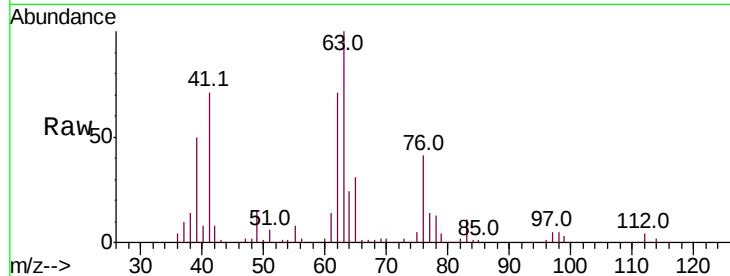
VSTDCCC050

Tot Ion: 63 Resp: 151236

Ion Ratio Lower Upper

63 100

65 30.5 24.2 36.4



#46

Dibromomethane

Concen: 54.943 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW011927.D

Acq: 15 Aug 2019 14:32

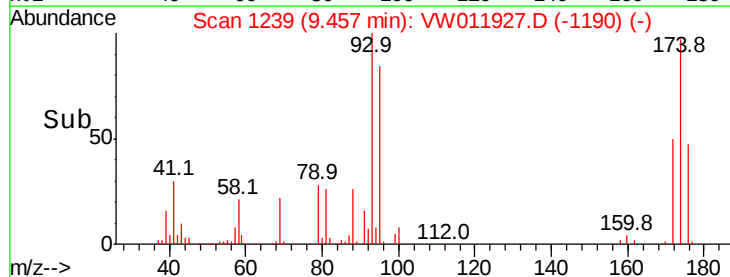
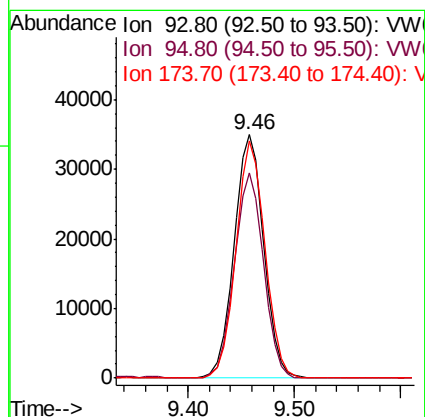
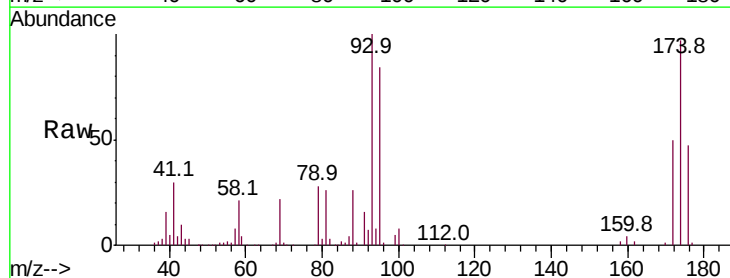
Tgt Ion: 93 Resp: 68268

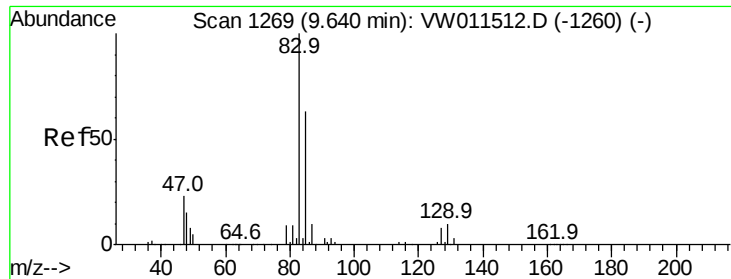
Ion Ratio Lower Upper

93 100

95 83.2 66.2 99.2

174 95.4 78.2 117.4





#47

Bromodichloromethane

Concen: 56.489 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW011927.D

Acq: 15 Aug 2019 14:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

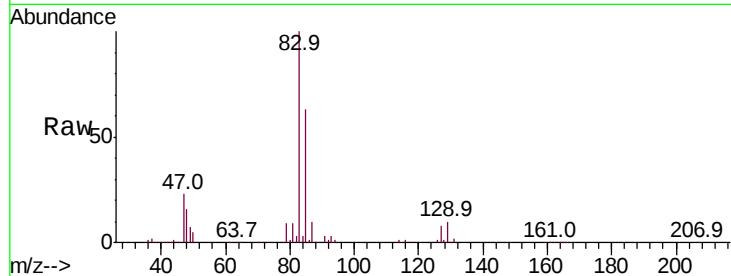
Tot Ion: 83 Resp: 184115

Ion Ratio Lower Upper

83 100

85 62.7 50.5 75.7

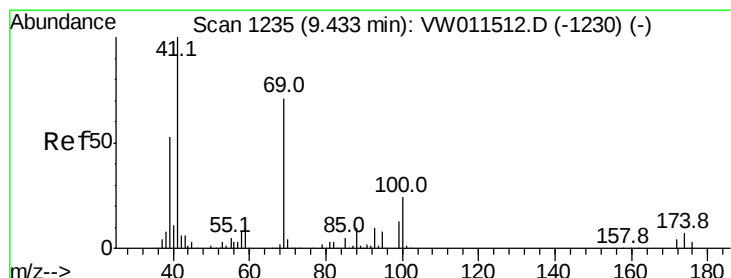
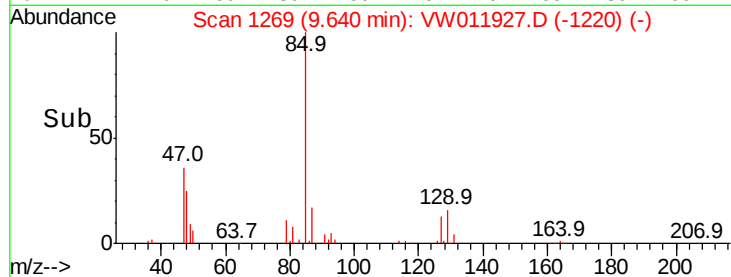
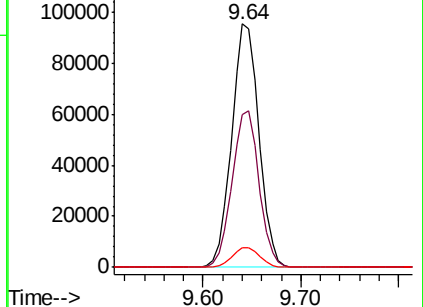
127 7.9 6.4 9.6



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: 54.907 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW011927.D

Acq: 15 Aug 2019 14:32

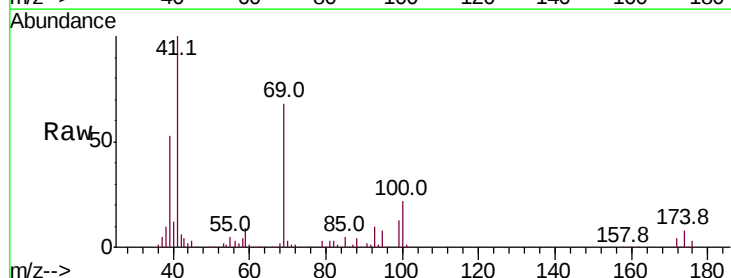
Tgt Ion: 41 Resp: 101368

Ion Ratio Lower Upper

41 100

69 72.1 57.1 85.7

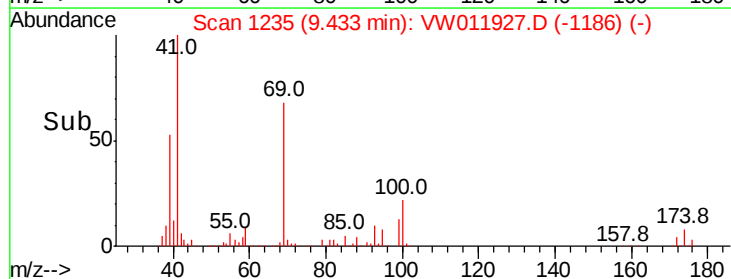
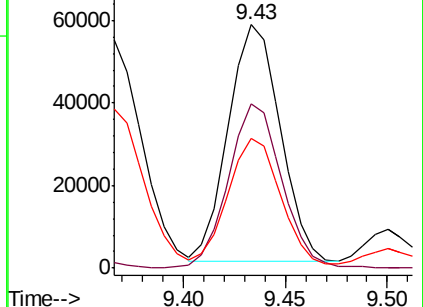
39 52.7 45.4 68.2

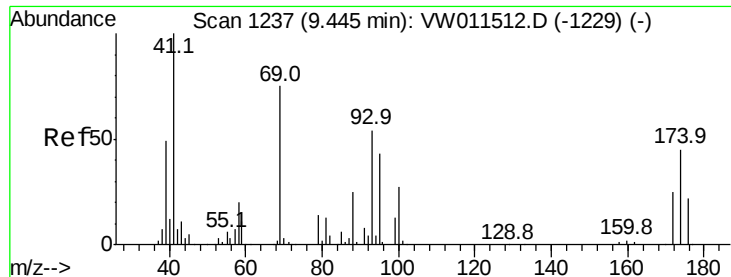


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 1097.880 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW011927.D

Acq: 15 Aug 2019 14:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

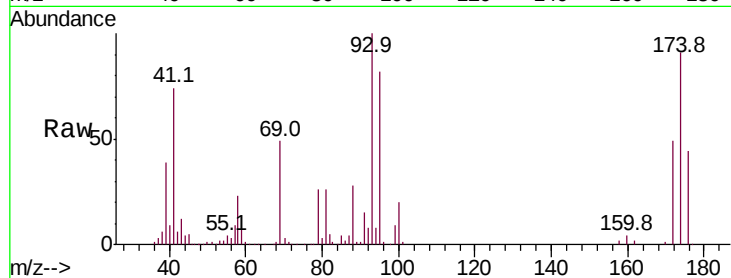
Tot Ion: 88 Resp: 19752

Ion Ratio Lower Upper

88 100

43 0.0 34.0 51.0#

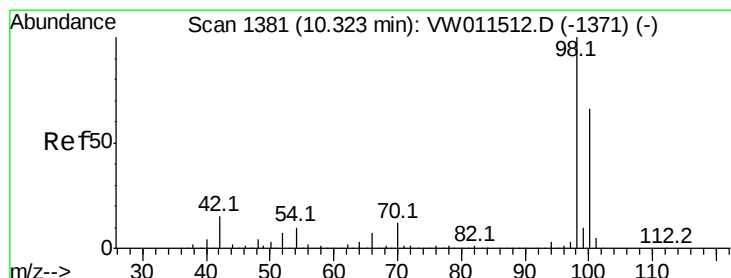
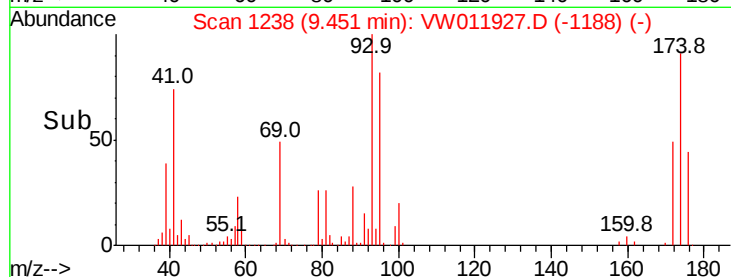
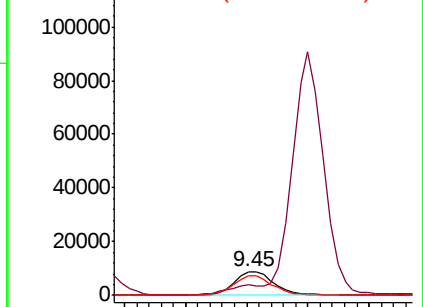
58 86.8 69.7 104.5



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 56.382 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011927.D

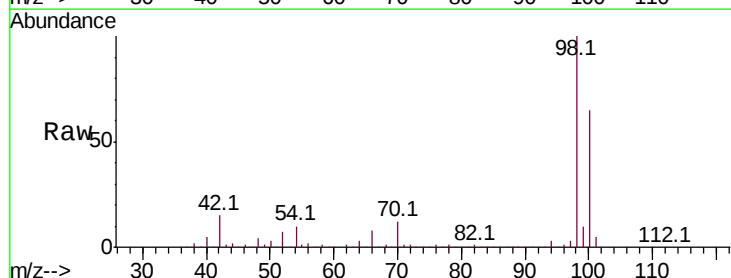
Acq: 15 Aug 2019 14:32

Tgt Ion: 98 Resp: 452405

Ion Ratio Lower Upper

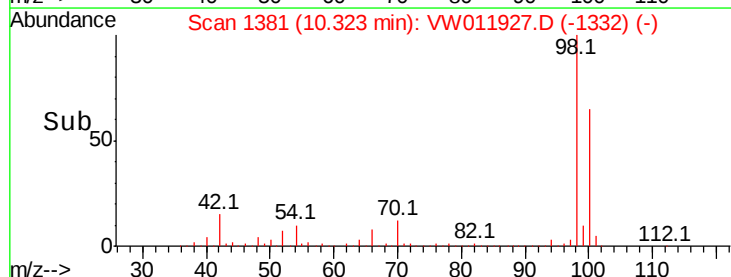
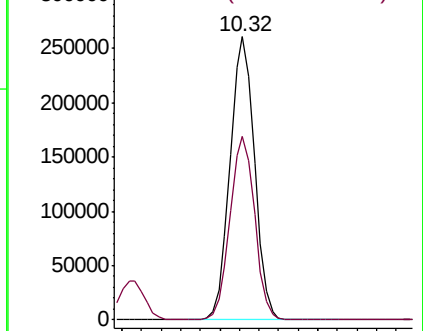
98 100

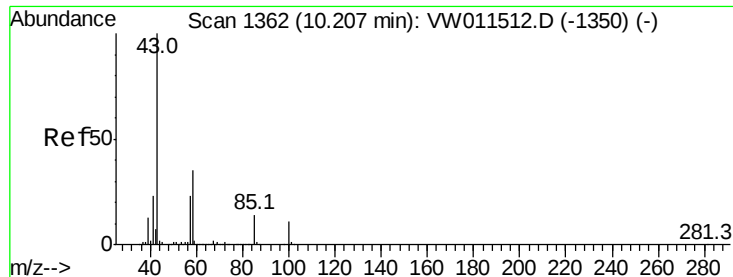
100 65.3 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 271.475 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW011927.D

Acq: 15 Aug 2019 14:32

Instrument :

MSVOA_W

ClientSampleId :

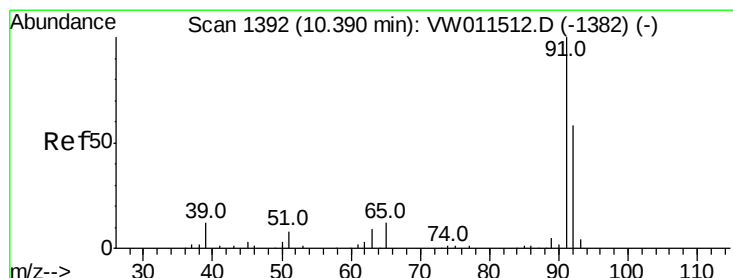
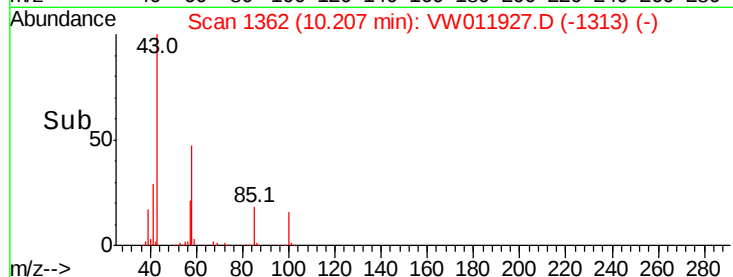
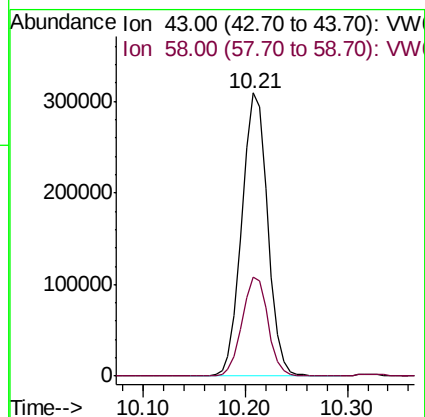
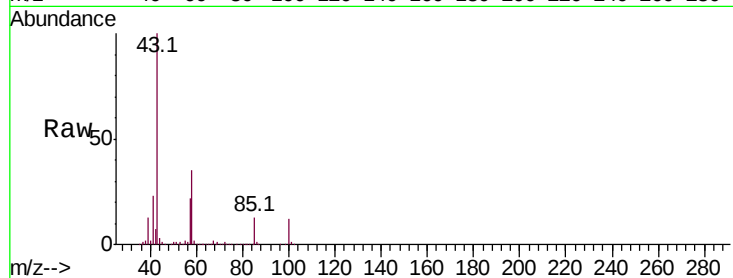
VSTDCCC050

Tot Ion: 43 Resp: 542702

Ion Ratio Lower Upper

43 100

58 35.0 28.2 42.2



#52

Toluene

Concen: 55.765 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW011927.D

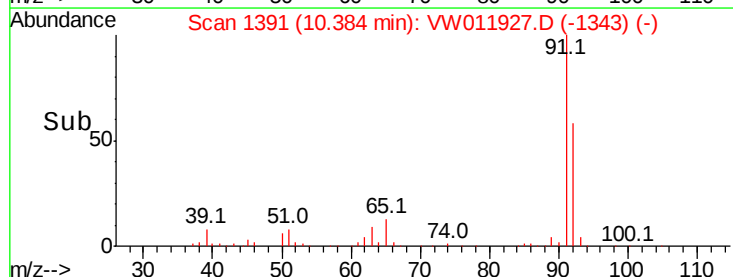
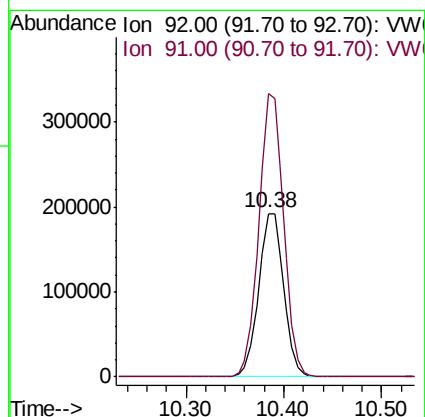
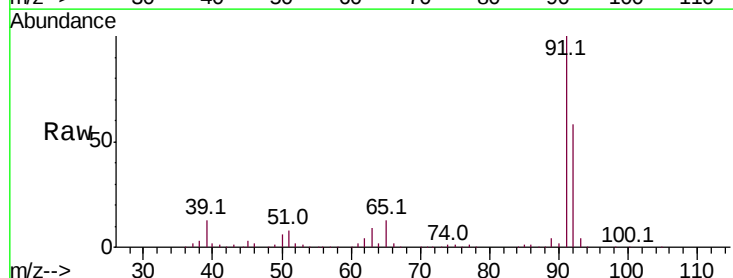
Acq: 15 Aug 2019 14:32

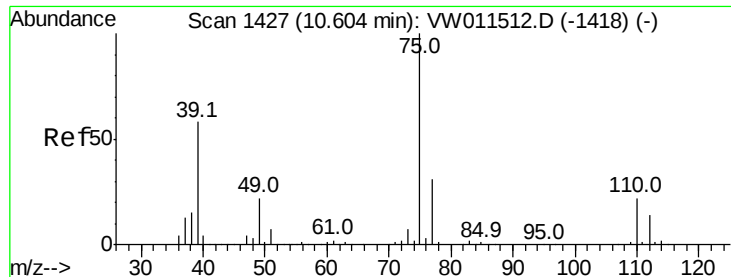
Tgt Ion: 92 Resp: 342638

Ion Ratio Lower Upper

92 100

91 172.0 136.7 205.1





#53

t-1,3-Dichloropropene

Concen: 56.154 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW011927.D

Acq: 15 Aug 2019 14:32

Instrument :

MSVOA_W

ClientSampleId :

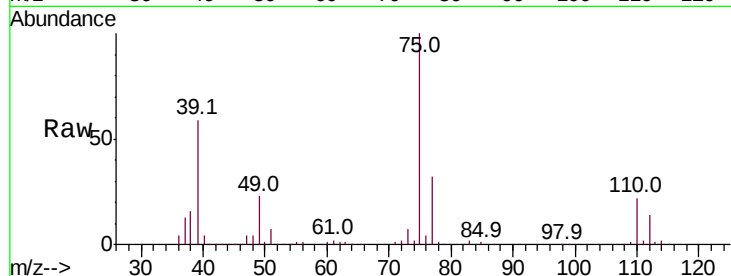
VSTDCCC050

Tot Ion: 75 Resp: 191187

Ion Ratio Lower Upper

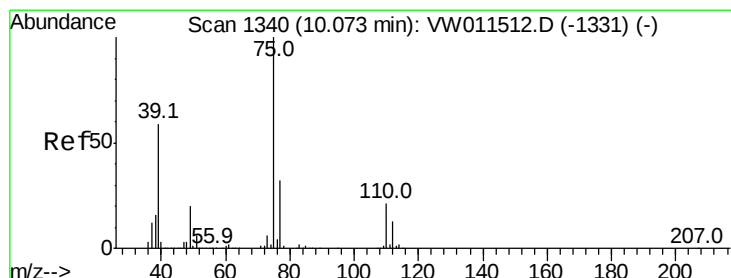
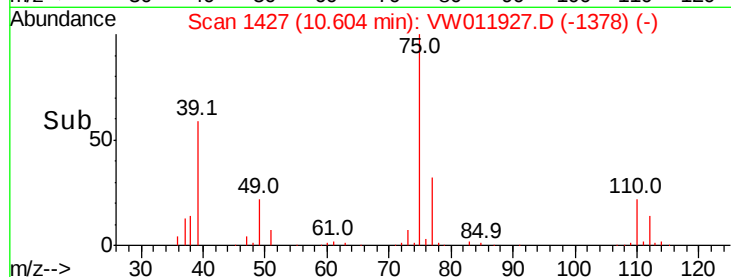
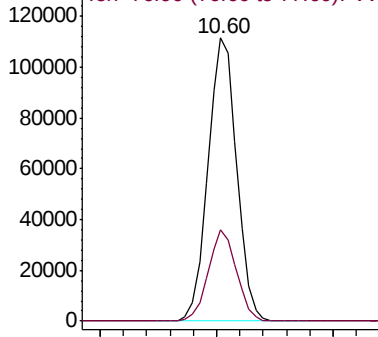
75 100

77 32.0 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 56.070 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW011927.D

Acq: 15 Aug 2019 14:32

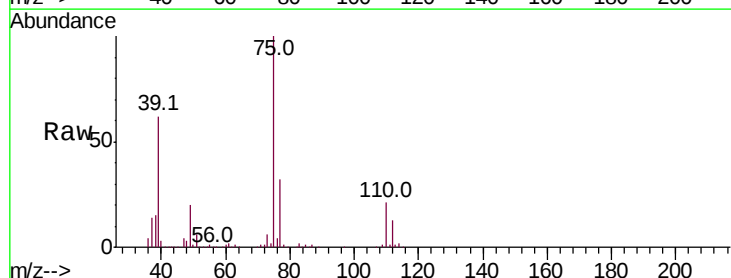
Tgt Ion: 75 Resp: 226984

Ion Ratio Lower Upper

75 100

77 32.4 25.6 38.4

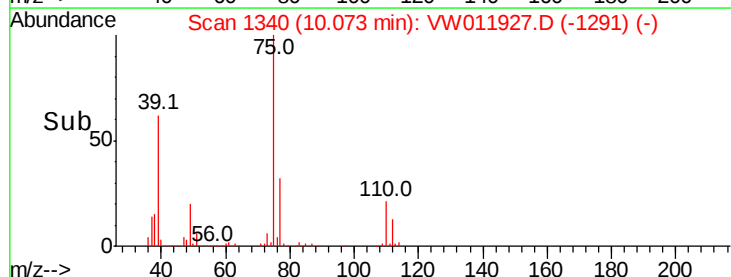
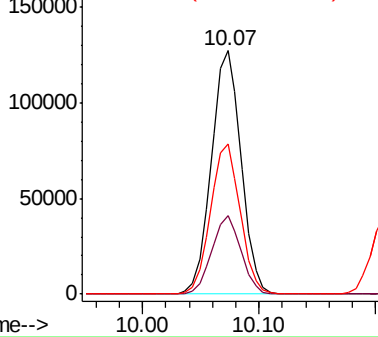
39 61.6 47.0 70.4

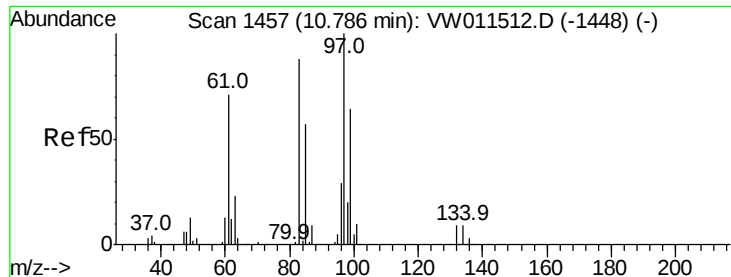


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

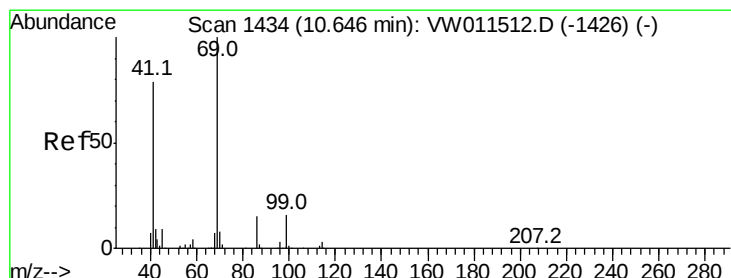
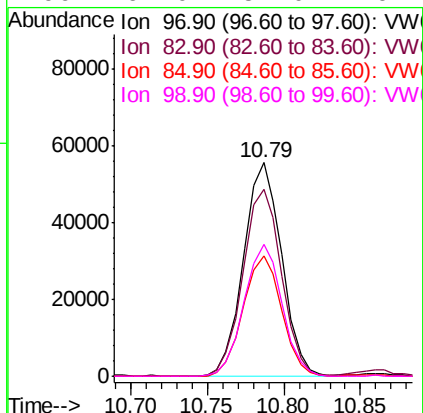
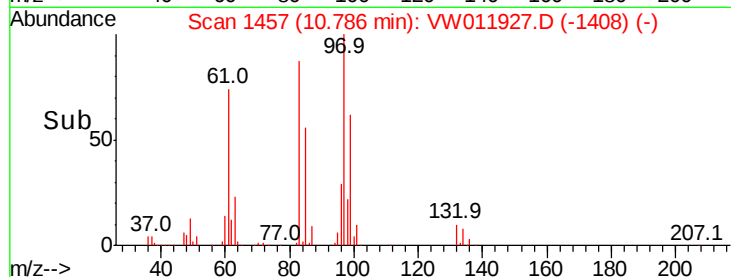
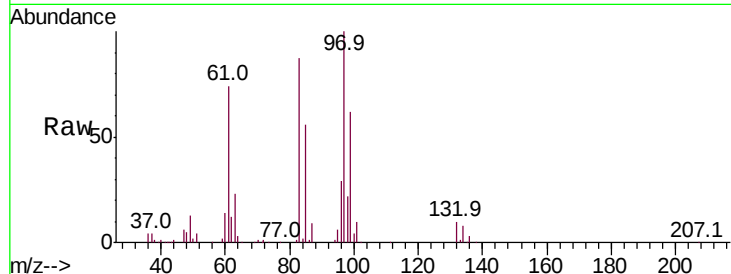




#55
 1,1,2-Trichloroethane
 Concen: 54.636 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW011927.D
 Acq: 15 Aug 2019 14:32

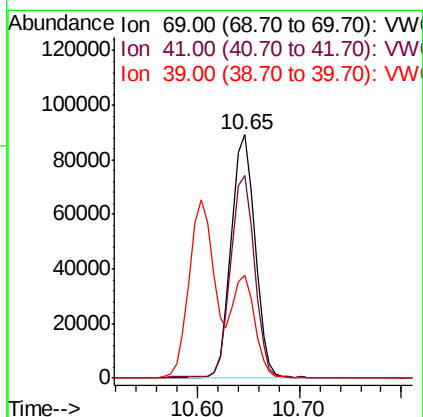
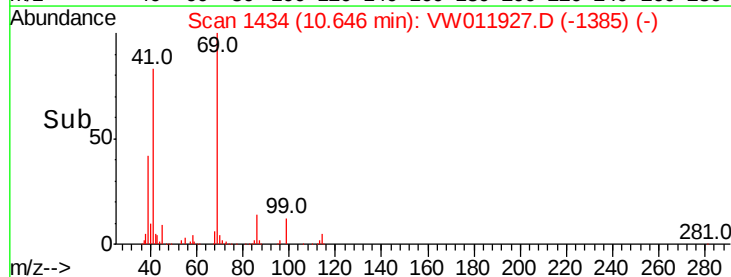
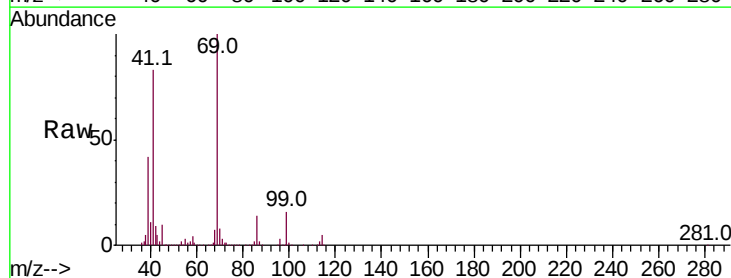
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

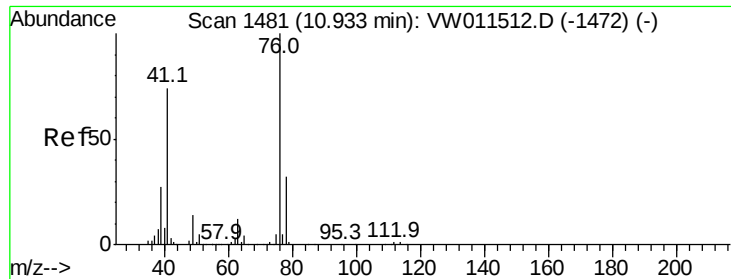
Tot Ion:	97	Resp:	96321
Ion	Ratio	Lower	Upper
97	100		
83	87.4	70.5	105.7
85	56.3	45.8	68.6
99	62.0	51.0	76.4



#56
 Ethyl methacrylate
 Concen: 56.065 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW011927.D
 Acq: 15 Aug 2019 14:32

Tgt Ion:	69	Resp:	144634
Ion	Ratio	Lower	Upper
69	100		
41	82.5	66.6	99.8
39	38.7	30.3	45.5

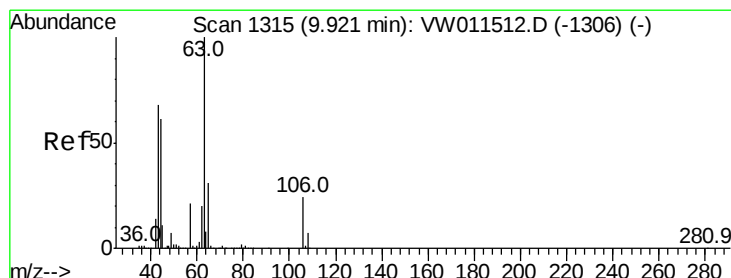
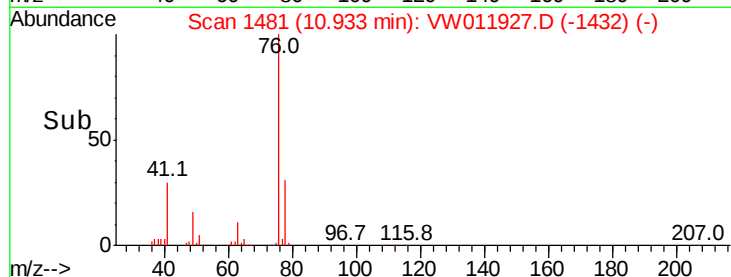
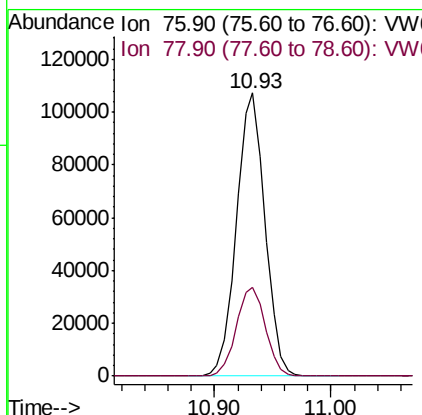
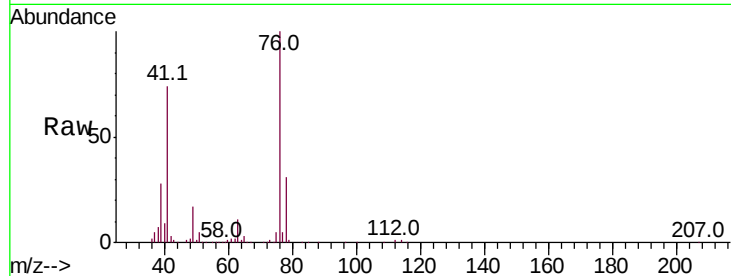




#57
 1,3-Dichloropropane
 Concen: 54.786 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW011927.D
 Acq: 15 Aug 2019 14:32

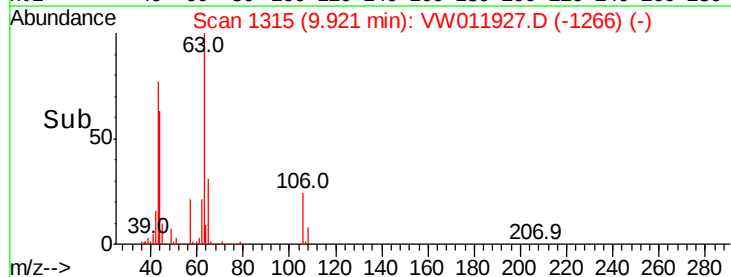
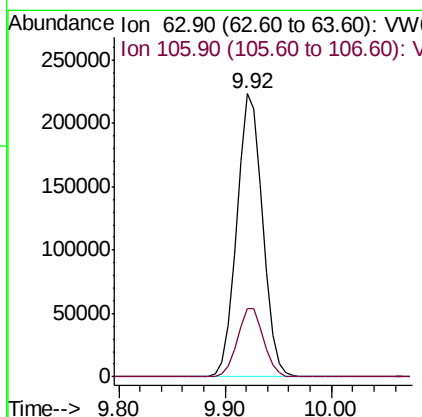
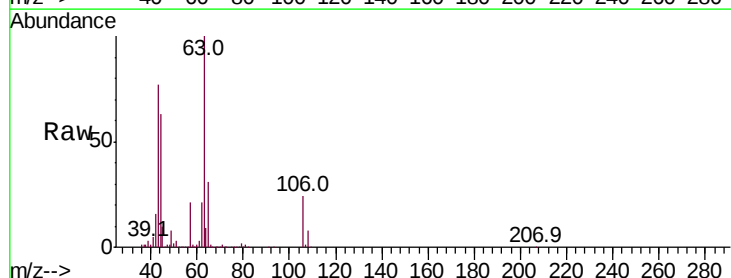
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

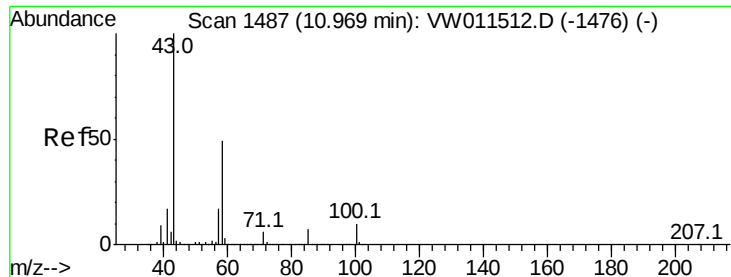
Tot Ion: 76 Resp: 182730
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 324.932 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW011927.D
 Acq: 15 Aug 2019 14:32

Tgt Ion: 63 Resp: 380600
 Ion Ratio Lower Upper
 63 100
 106 24.4 19.7 29.5

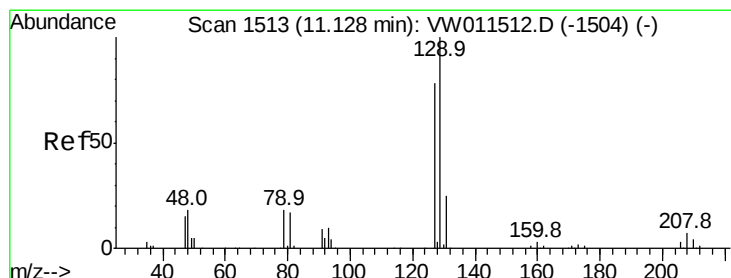
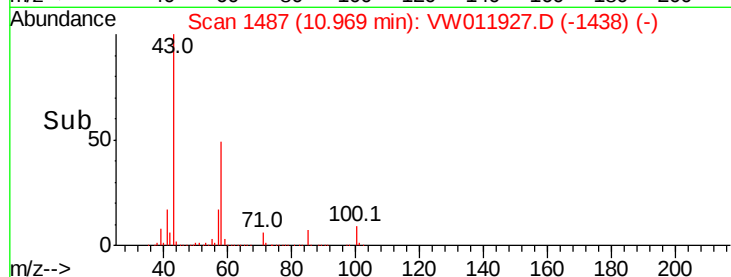
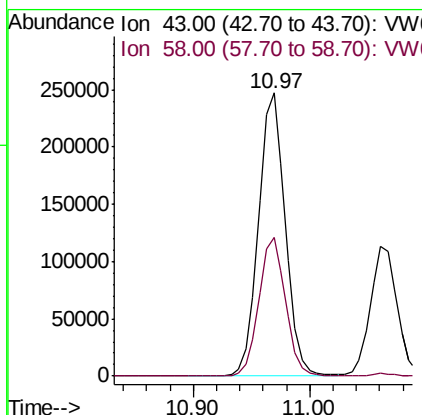
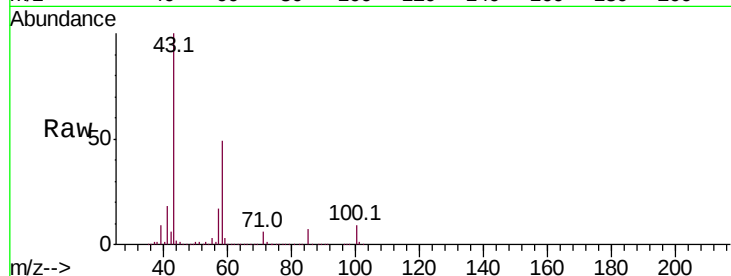




#59
2-Hexanone
Concen: 280.744 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011927.D
Acq: 15 Aug 2019 14:32

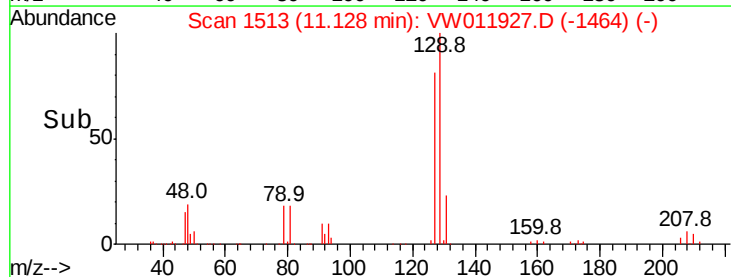
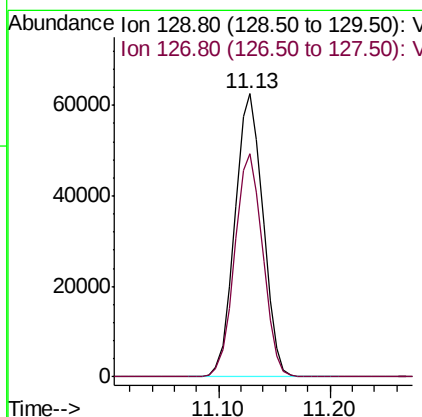
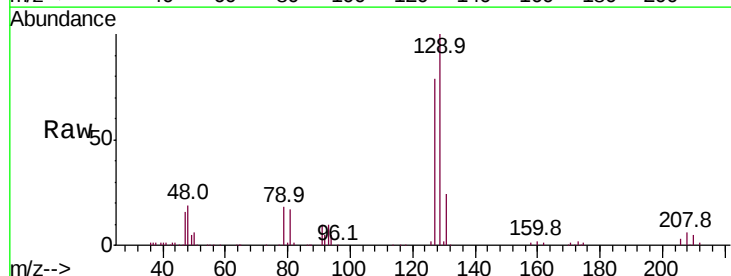
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

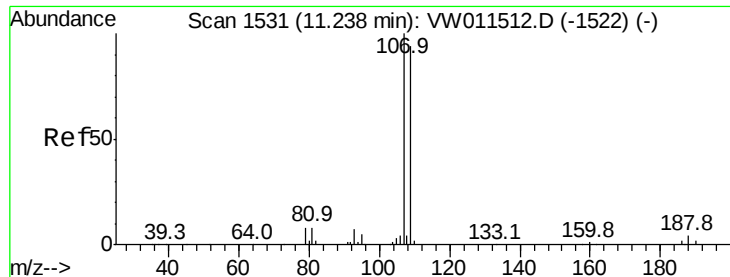
Tot Ion: 43 Resp: 396266
Ion Ratio Lower Upper
43 100
58 48.8 24.3 72.9



#60
Dibromochloromethane
Concen: 55.838 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW011927.D
Acq: 15 Aug 2019 14:32

Tgt Ion: 129 Resp: 109271
Ion Ratio Lower Upper
129 100
127 78.5 38.9 116.7

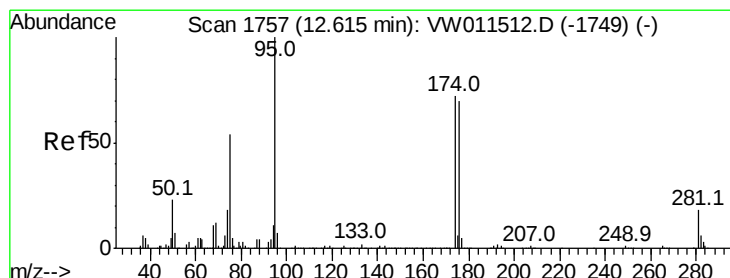
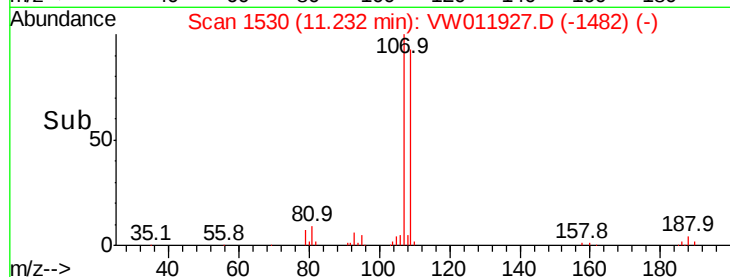
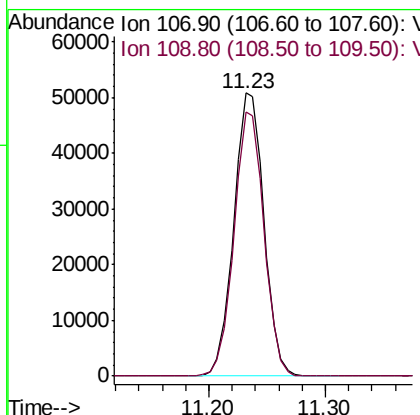
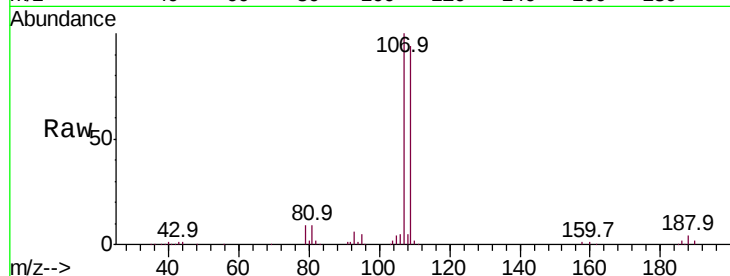




#61
 1,2-Dibromoethane
 Concen: 54.732 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW011927.D
 Acq: 15 Aug 2019 14:32

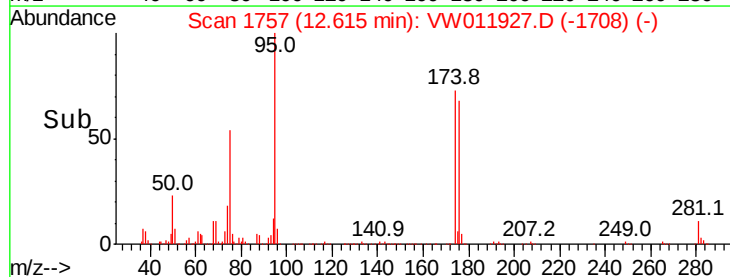
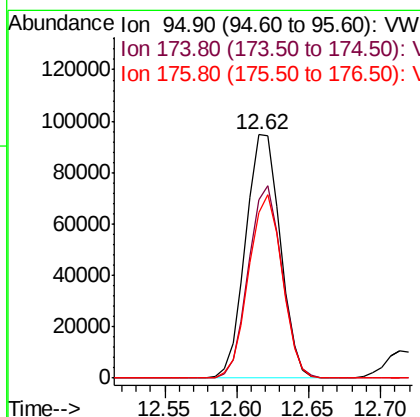
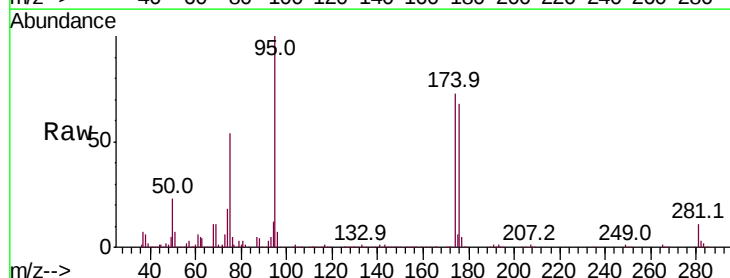
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

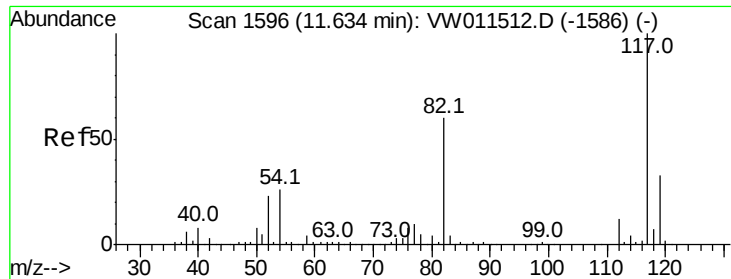
Tot Ion:107 Resp: 91313
 Ion Ratio Lower Upper
 107 100
 109 93.1 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 55.243 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW011927.D
 Acq: 15 Aug 2019 14:32

Tgt Ion: 95 Resp: 158033
 Ion Ratio Lower Upper
 95 100
 174 76.0 0.0 150.2
 176 72.8 0.0 144.4

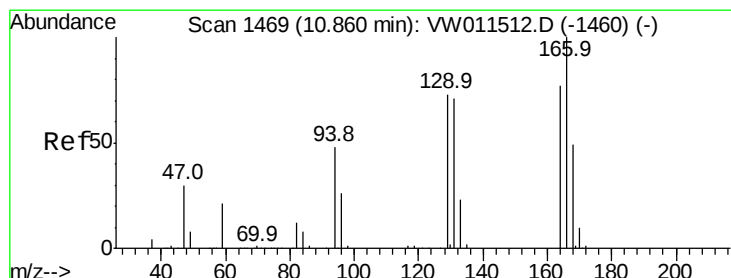
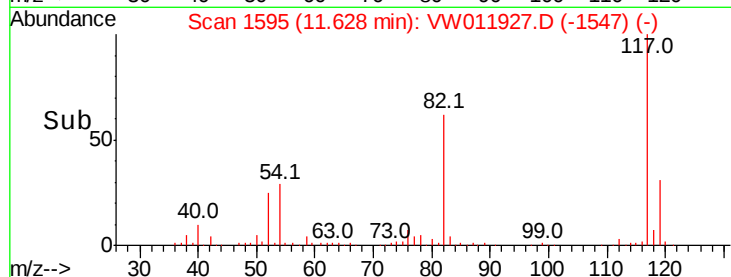
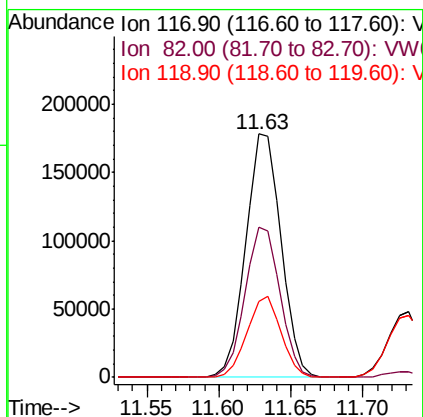
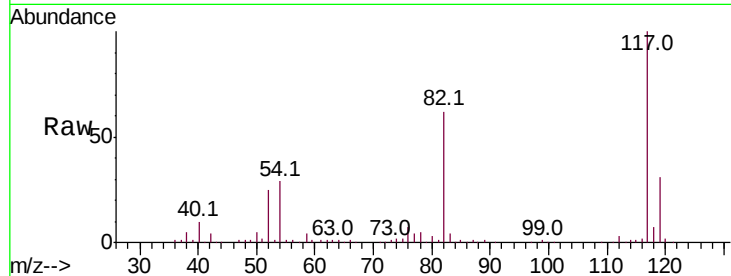




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW011927.D
Acq: 15 Aug 2019 14:32

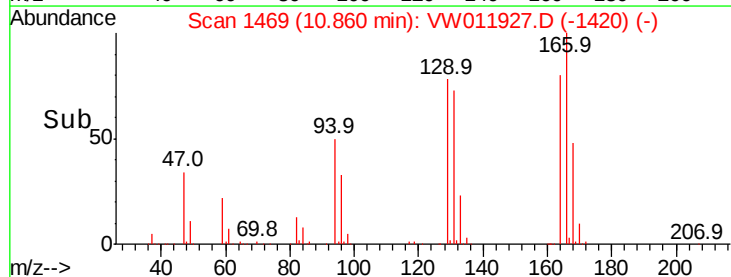
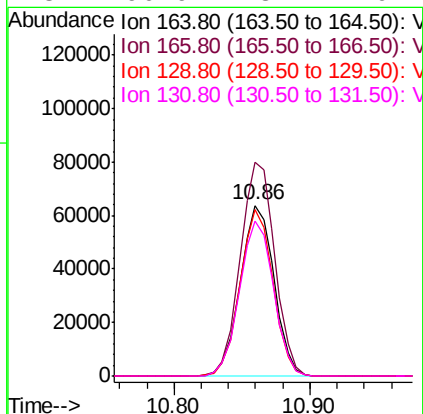
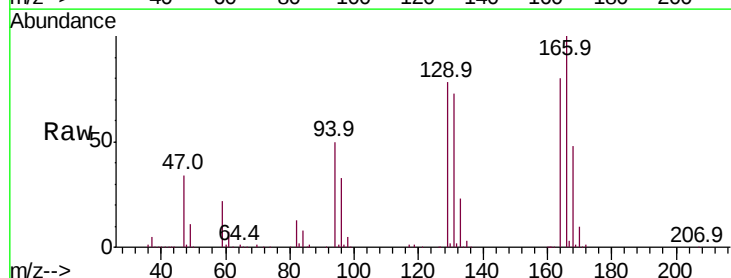
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

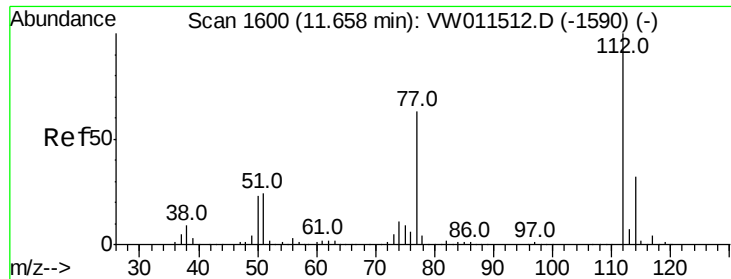
Tot Ion:117 Resp: 301392
Ion Ratio Lower Upper
117 100
82 61.9 47.9 71.9
119 31.3 26.2 39.2



#64
Tetrachloroethene
Concen: 56.280 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW011927.D
Acq: 15 Aug 2019 14:32

Tgt Ion:164 Resp: 110444
Ion Ratio Lower Upper
164 100
166 125.4 103.5 155.3
129 97.3 75.2 112.8
131 90.9 73.4 110.2

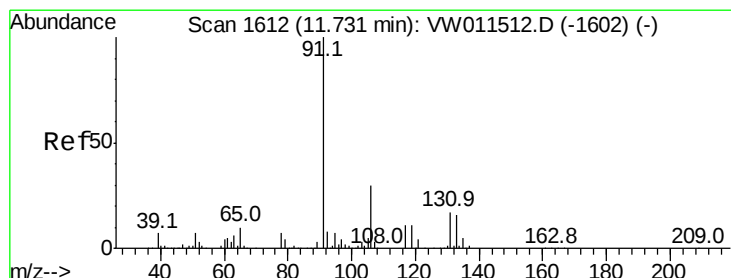
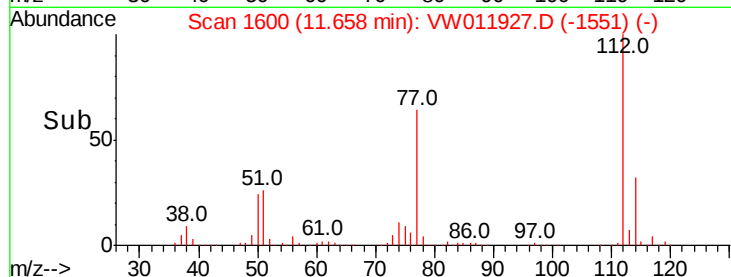
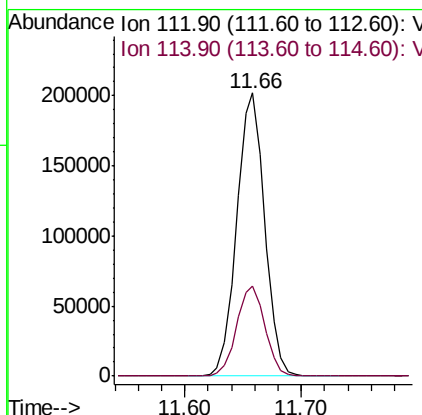
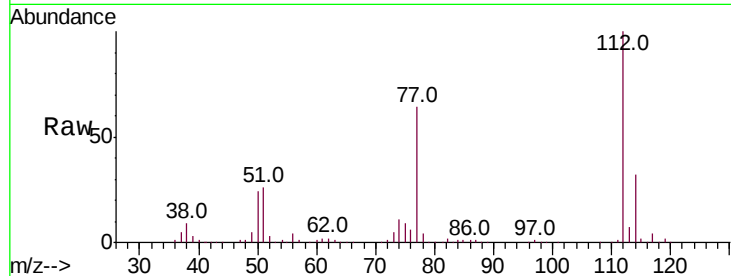




#65
Chlorobenzene
Concen: 55.650 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011927.D
Acq: 15 Aug 2019 14:32

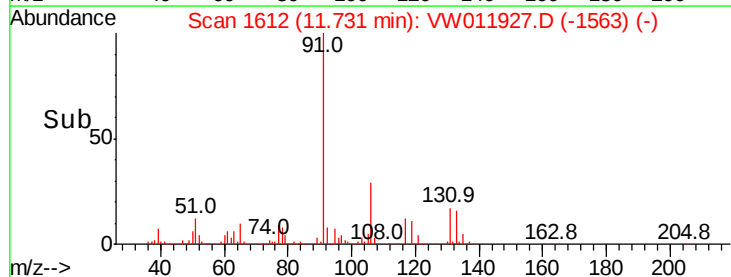
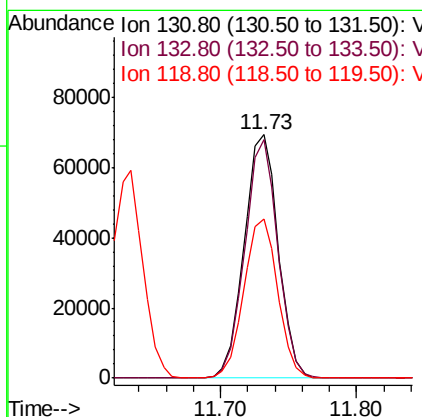
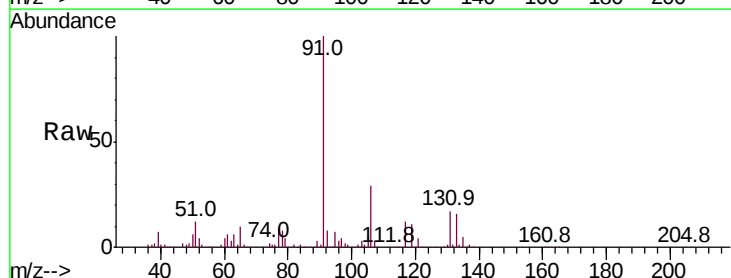
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

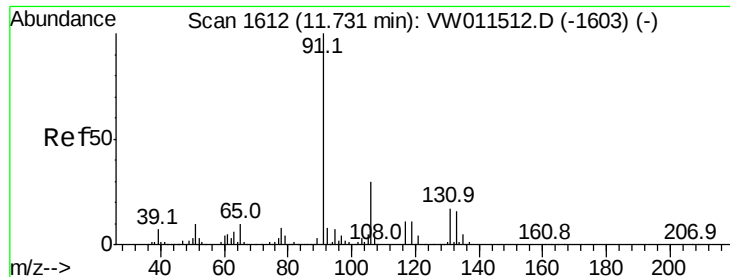
Tot Ion:112 Resp: 337206
Ion Ratio Lower Upper
112 100
114 31.6 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 57.480 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011927.D
Acq: 15 Aug 2019 14:32

Tgt Ion:131 Resp: 121319
Ion Ratio Lower Upper
131 100
133 95.1 47.4 142.2
119 65.2 32.3 96.9

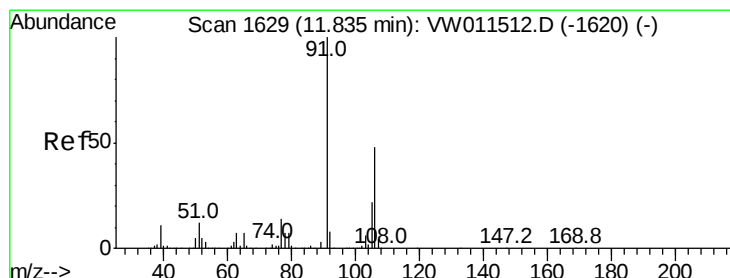
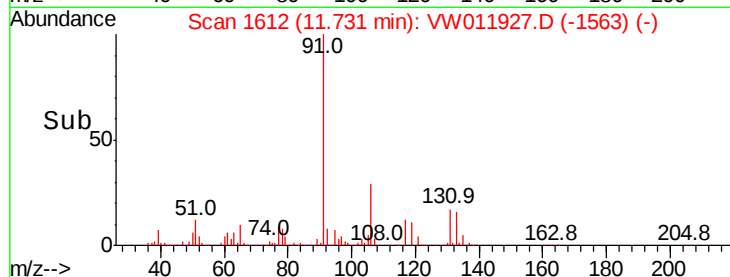
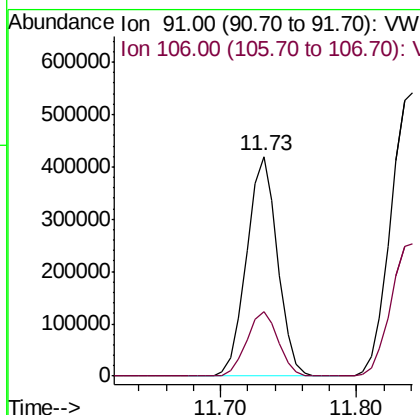
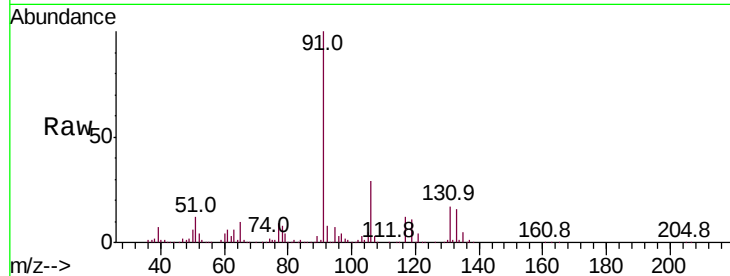




#67
Ethyl Benzene
Concen: 57.788 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011927.D
Acq: 15 Aug 2019 14:32

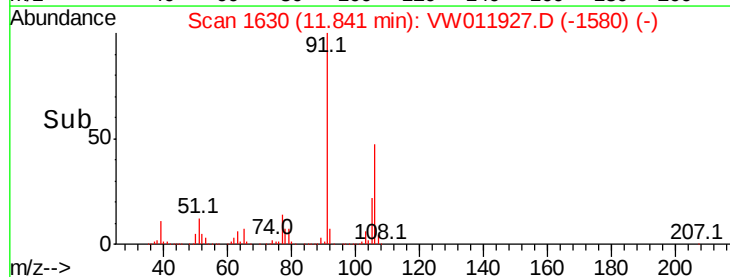
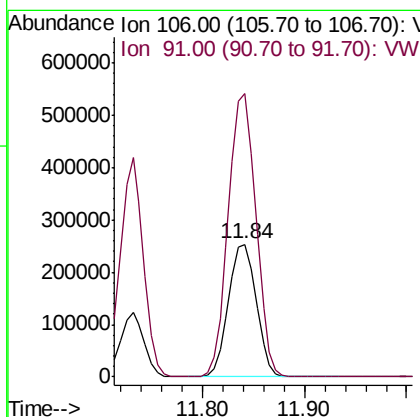
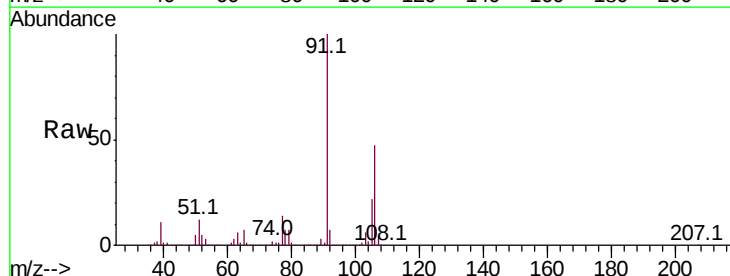
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

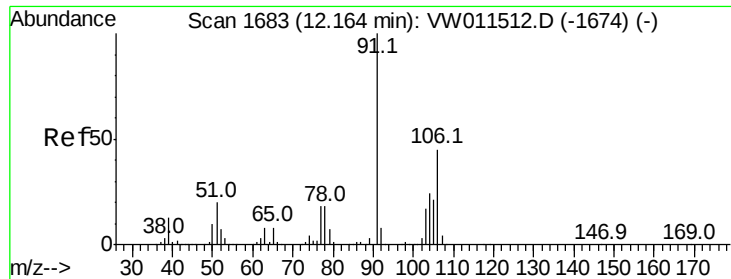
Tot Ion: 91 Resp: 666889
Ion Ratio Lower Upper
91 100
106 29.3 23.8 35.6



#68
m/p-Xylenes
Concen: 114.598 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW011927.D
Acq: 15 Aug 2019 14:32

Tgt Ion: 106 Resp: 480953
Ion Ratio Lower Upper
106 100
91 211.6 168.2 252.2

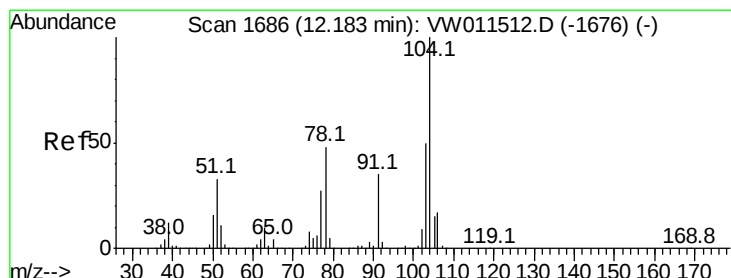
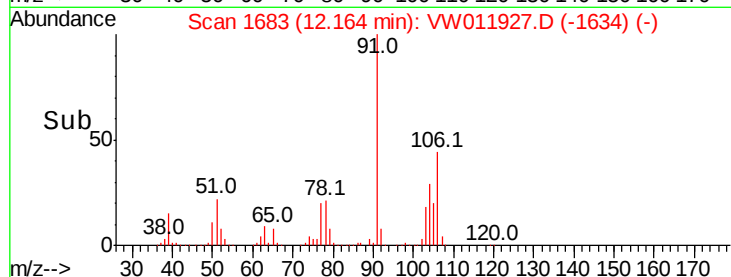
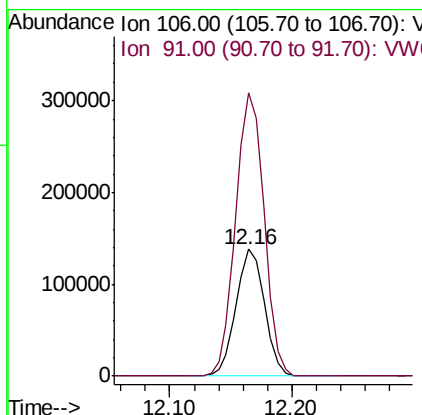
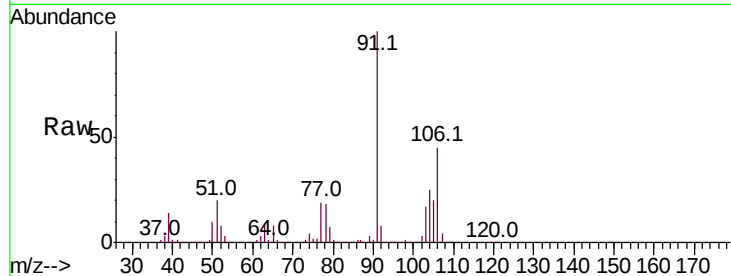




#69
o-Xylene
Concen: 56.889 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011927.D
Acq: 15 Aug 2019 14:32

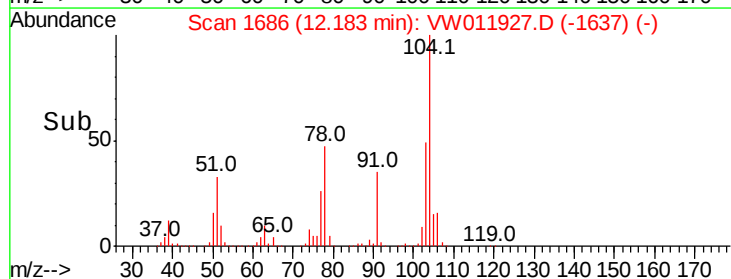
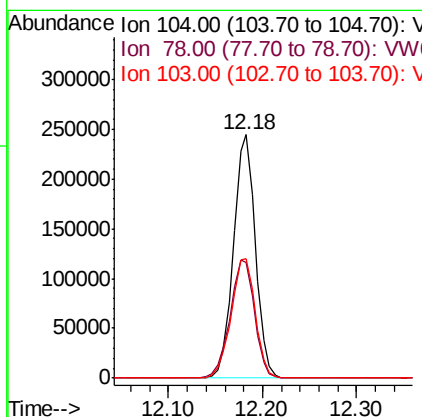
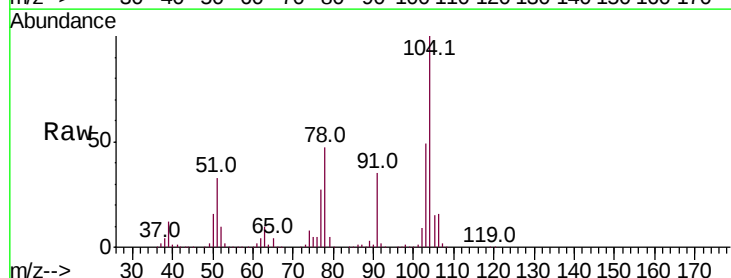
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

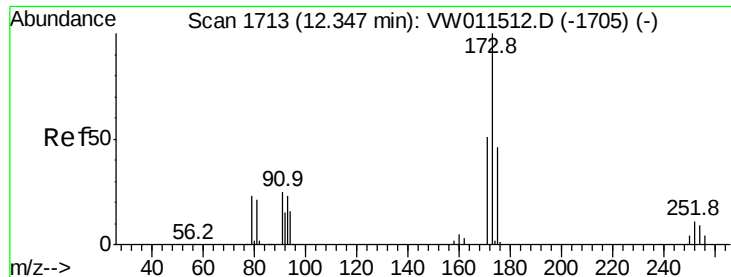
Tot Ion:106 Resp: 221869
Ion Ratio Lower Upper
106 100
91 224.0 110.5 331.5



#70
Styrene
Concen: 58.238 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011927.D
Acq: 15 Aug 2019 14:32

Tgt Ion:104 Resp: 392704
Ion Ratio Lower Upper
104 100
78 54.0 43.4 65.0
103 54.1 43.9 65.9

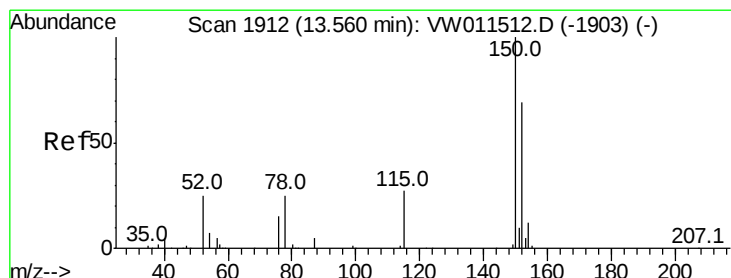
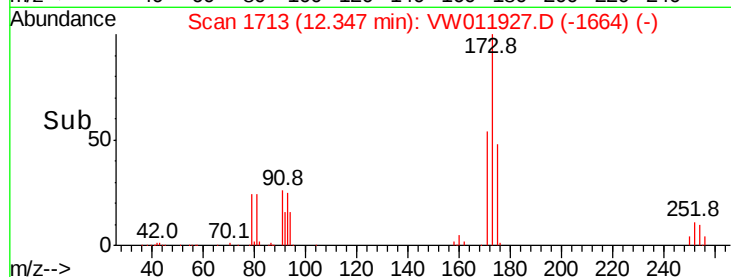
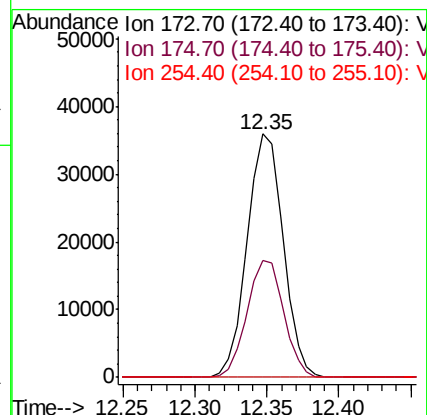
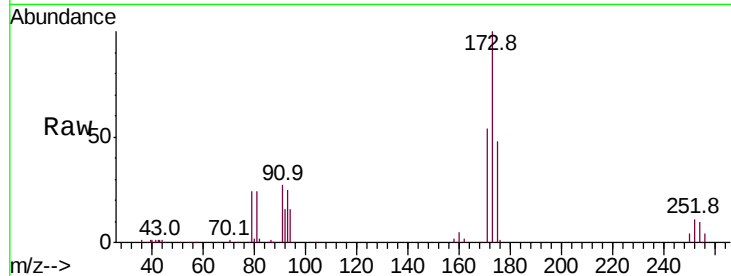




#71
Bromoform
Concen: 57.873 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW011927.D
Acq: 15 Aug 2019 14:32

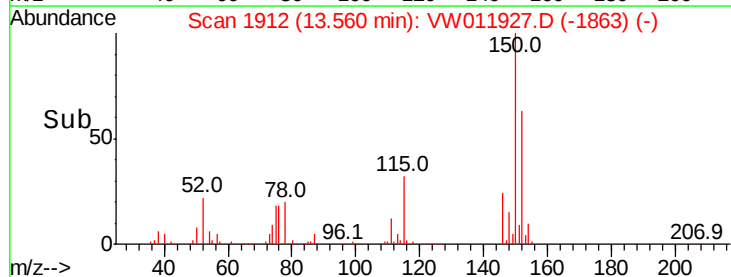
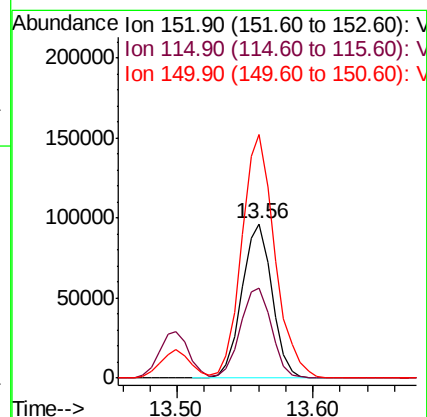
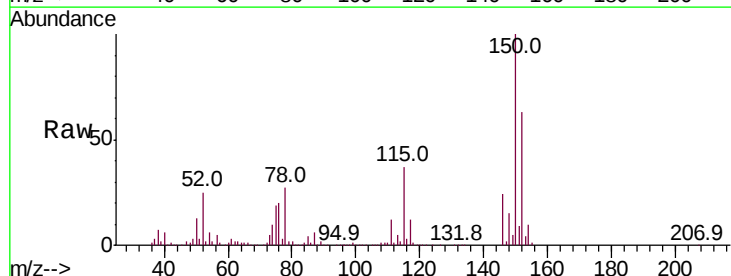
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

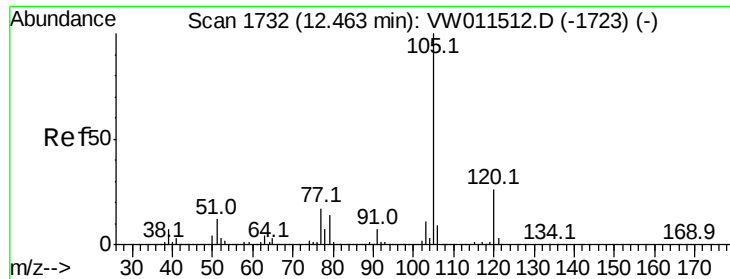
Tot Ion:173 Resp: 62279
Ion Ratio Lower Upper
173 100
175 48.7 23.6 71.0
254 0.1 0.1 0.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW011927.D
Acq: 15 Aug 2019 14:32

Tgt Ion:152 Resp: 149336
Ion Ratio Lower Upper
152 100
115 60.4 30.5 91.5
150 173.1 0.0 352.6





#73

Isopropylbenzene

Concen: 56.444 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011927.D

Acq: 15 Aug 2019 14:32

Instrument :

MSVOA_W

ClientSampleId :

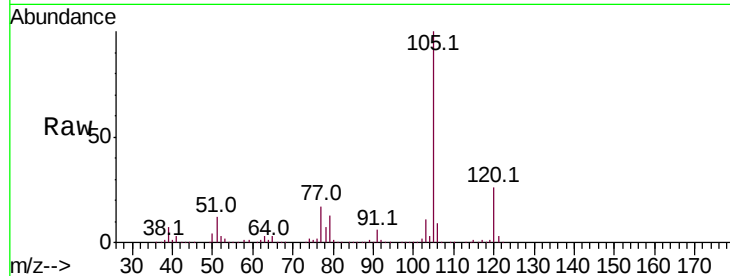
VSTDCCC050

Tot Ion:105 Resp: 628830

Ion Ratio Lower Upper

105 100

120 25.7 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

400000

300000

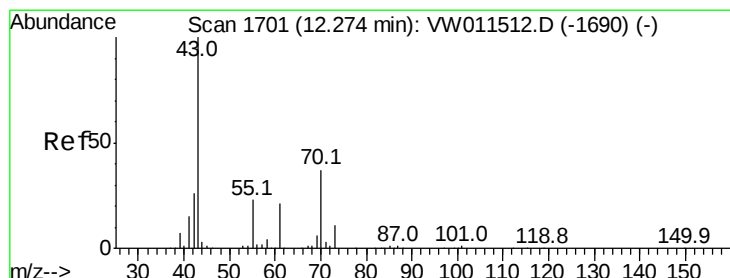
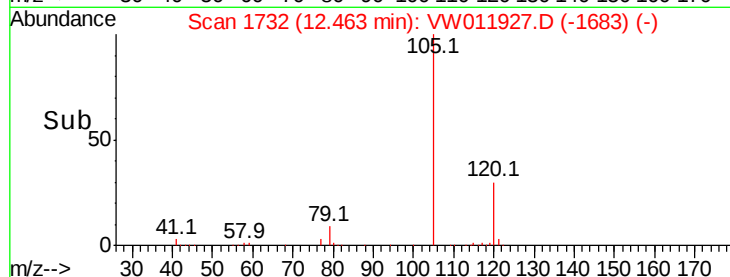
200000

100000

0

Time-->

12.40 12.50



#74

N-ethyl acetate

Concen: 56.046 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW011927.D

Acq: 15 Aug 2019 14:32

Tgt Ion: 43 Resp: 195486

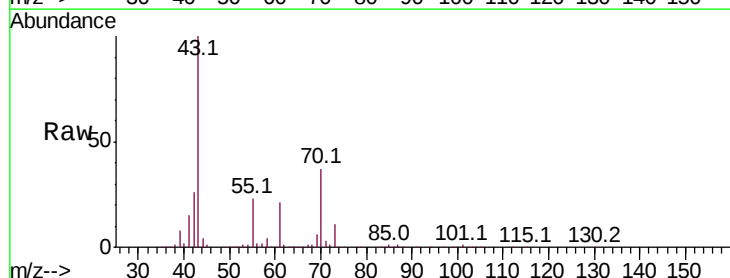
Ion Ratio Lower Upper

43 100

70 35.9 28.6 43.0

55 22.8 17.8 26.8

61 21.4 17.0 25.6



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

200000

150000

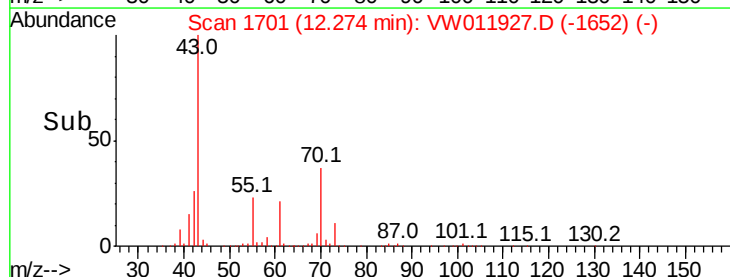
100000

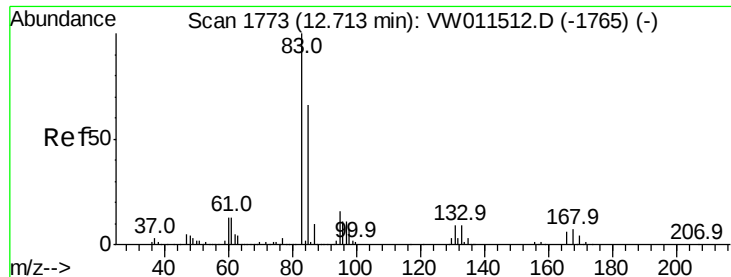
50000

0

Time-->

12.20 12.30 12.40





#75

1,1,2,2-Tetrachloroethane

Concen: 54.813 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011927.D

Acq: 15 Aug 2019 14:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

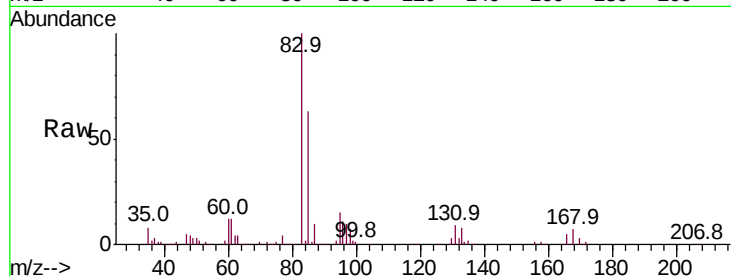
Tot Ion: 83 Resp: 114865

Ion	Ratio	Lower	Upper
83	100		
131	9.9	4.9	14.6
85	63.7	31.8	95.4

83 100

131 9.9 4.9 14.6

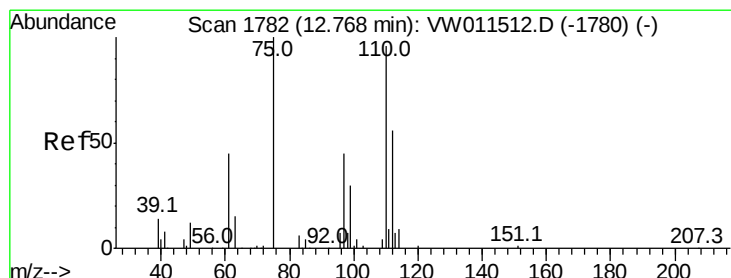
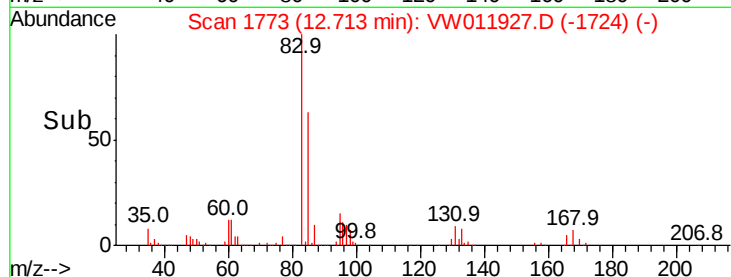
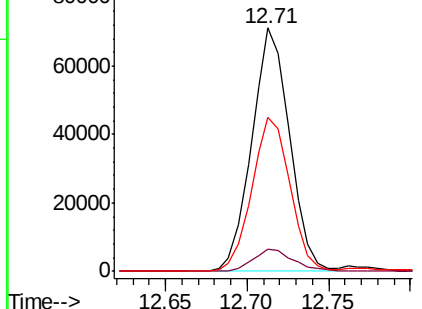
85 63.7 31.8 95.4



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: 97.605 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW011927.D

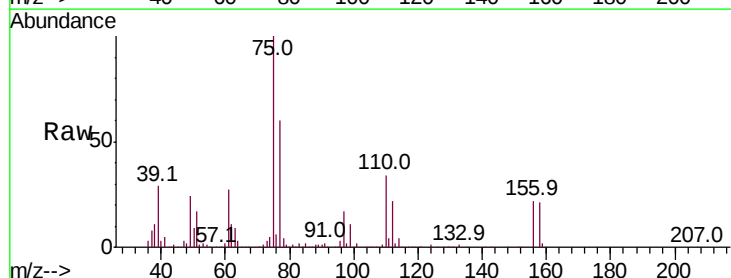
Acq: 15 Aug 2019 14:32

Tgt Ion: 75 Resp: 154230

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

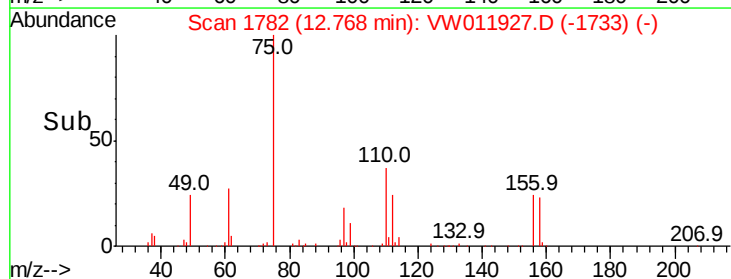
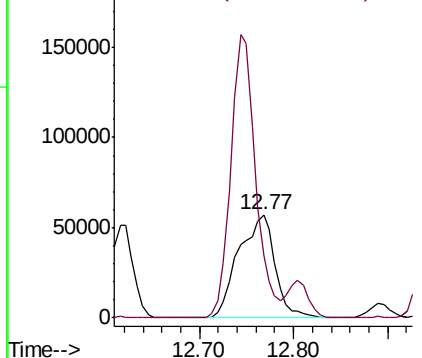
75 100

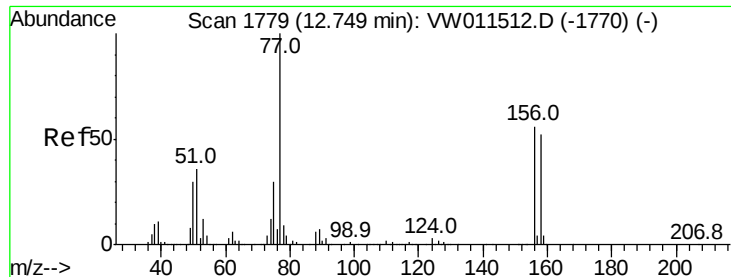
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 55.021 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW011927.D

Acq: 15 Aug 2019 14:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

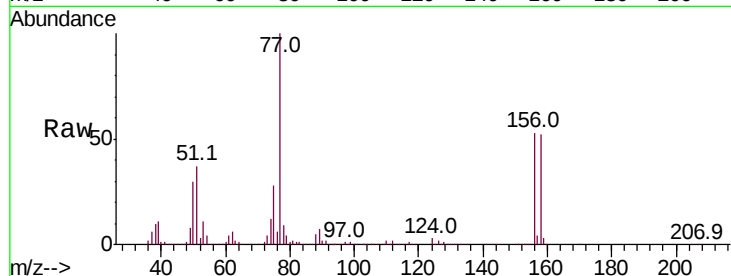
Tot Ion:156 Resp: 135487

Ion Ratio Lower Upper

156 100

77 212.3 106.5 319.4

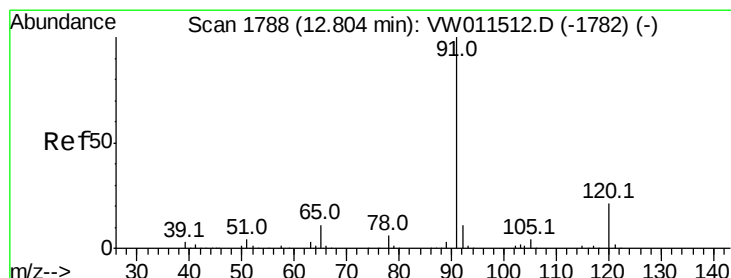
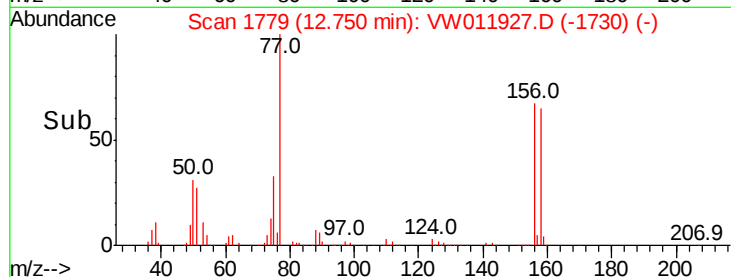
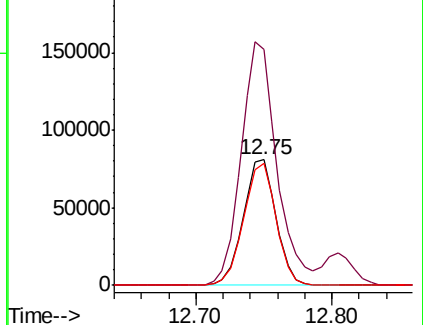
158 96.7 48.0 144.2



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: 57.146 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW011927.D

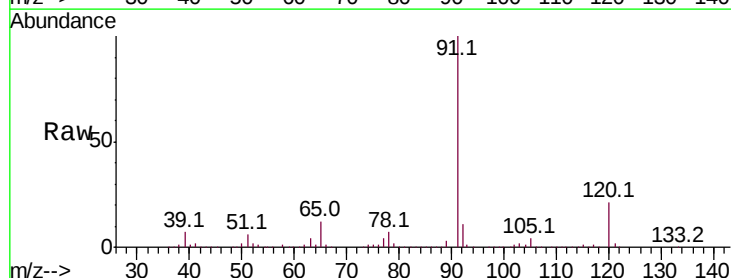
Acq: 15 Aug 2019 14:32

Tgt Ion: 91 Resp: 774805

Ion Ratio Lower Upper

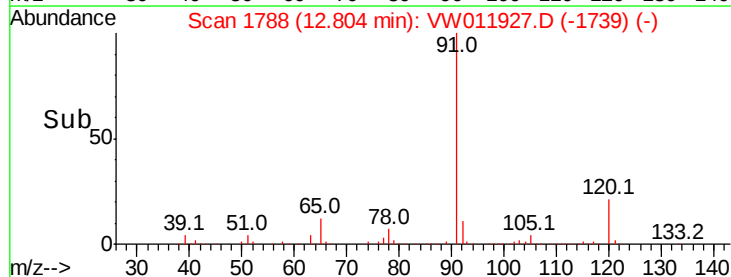
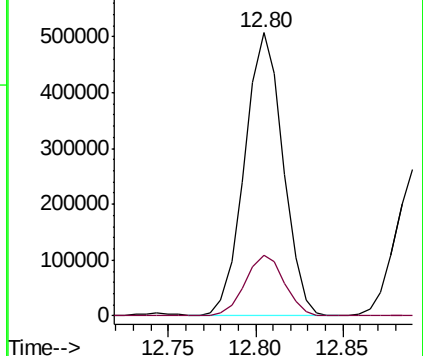
91 100

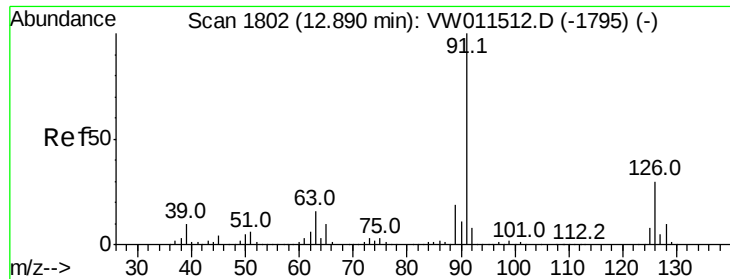
120 21.7 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 55.413 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW011927.D

Acq: 15 Aug 2019 14:32

Instrument :

MSVOA_W

ClientSampleId :

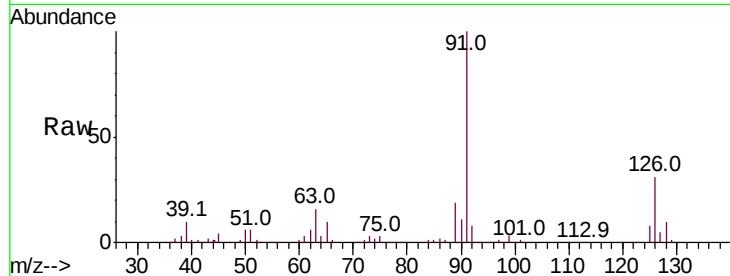
VSTDCCC050

Tot Ion: 91 Resp: 432836

Ion Ratio Lower Upper

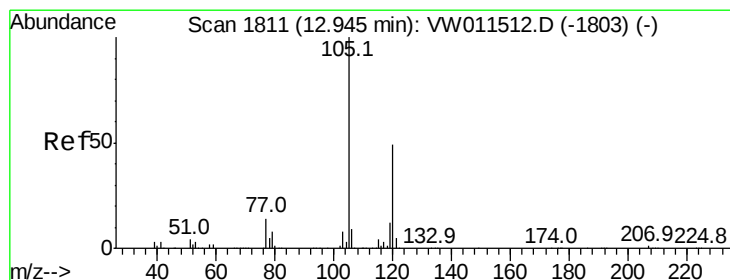
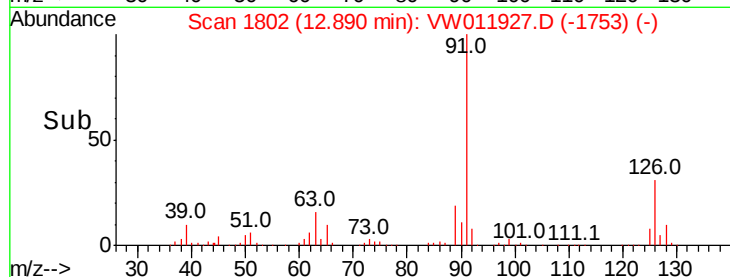
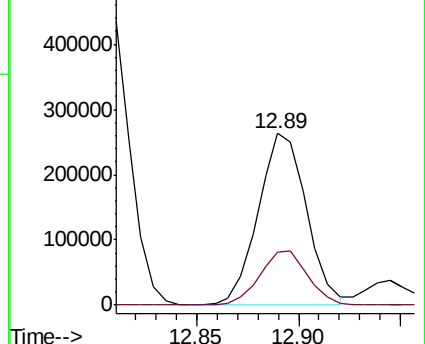
91 100

126 31.5 15.7 47.1



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: 56.704 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW011927.D

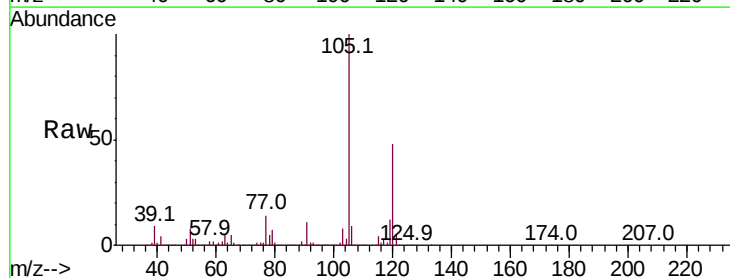
Acq: 15 Aug 2019 14:32

Tgt Ion:105 Resp: 529545

Ion Ratio Lower Upper

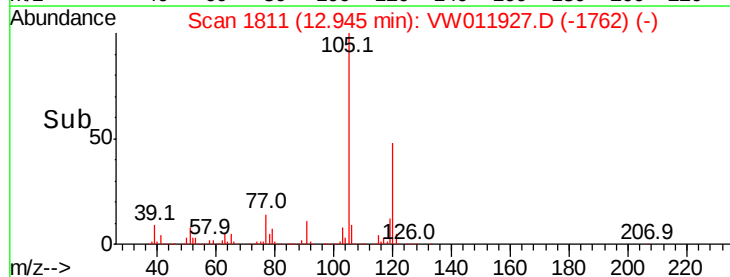
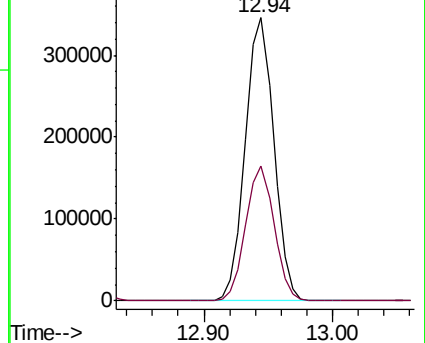
105 100

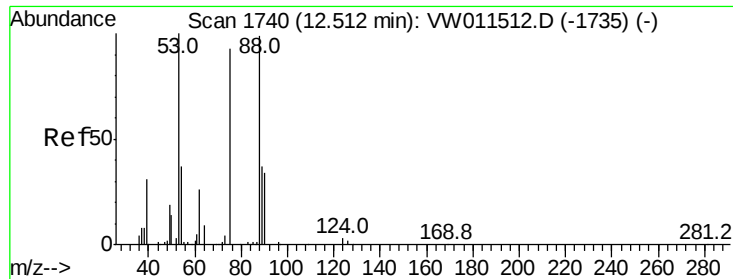
120 47.4 24.1 72.3



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: 56.244 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW011927.D

Acq: 15 Aug 2019 14:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

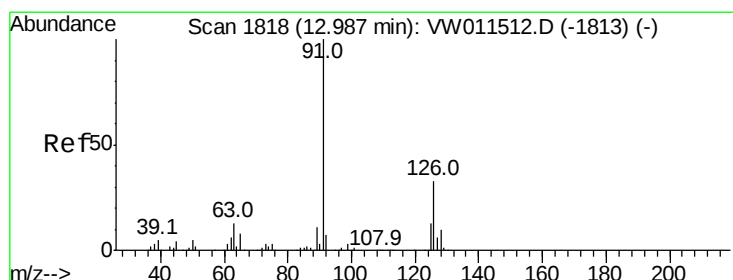
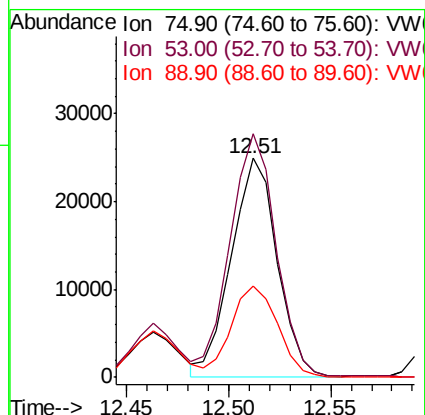
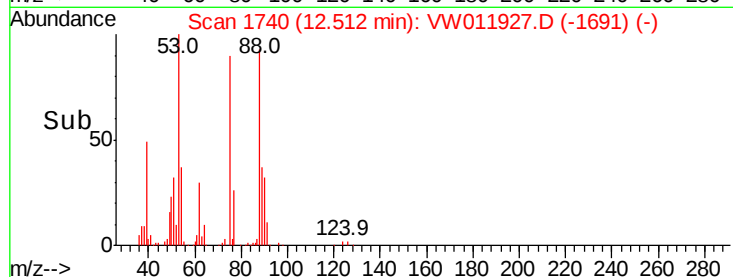
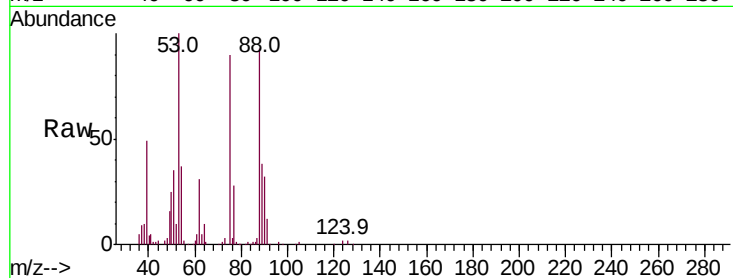
Tot Ion: 75 Resp: 38563

Ion	Ratio	Lower	Upper
75	100		
53	113.9	88.0	132.0
89	42.5	35.3	52.9

75 100

53 113.9 88.0 132.0

89 42.5 35.3 52.9



#82

4-Chlorotoluene

Concen: 56.257 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW011927.D

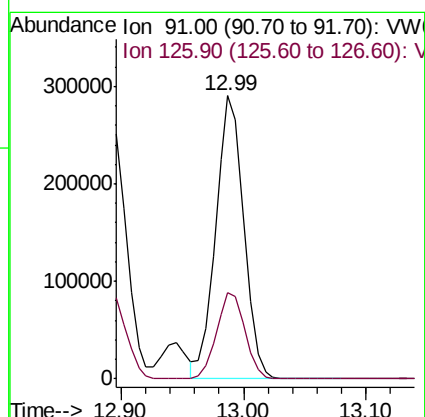
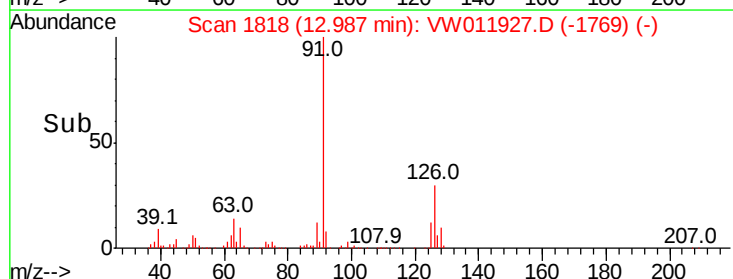
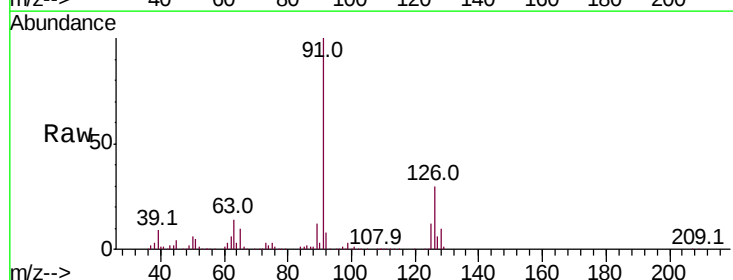
Acq: 15 Aug 2019 14:32

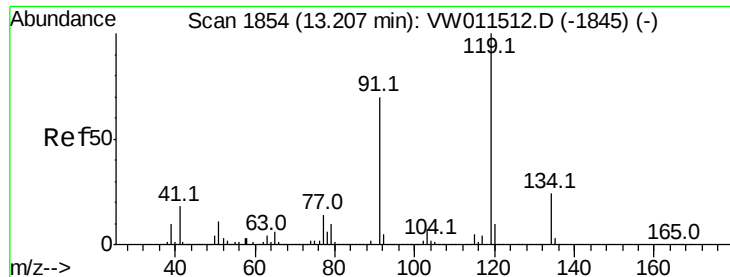
Tgt Ion: 91 Resp: 461052

Ion	Ratio	Lower	Upper
91	100		
126	30.9	15.6	46.8

91 100

126 30.9 15.6 46.8

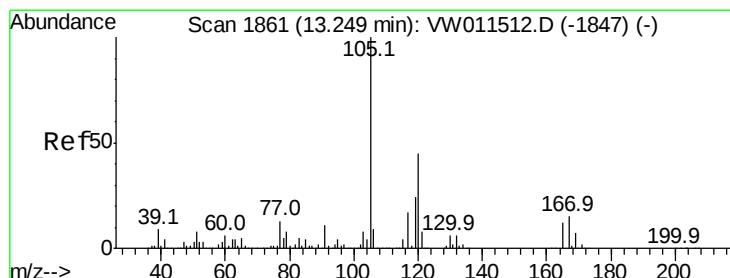
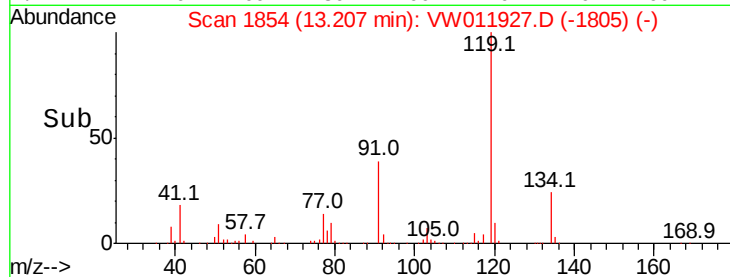
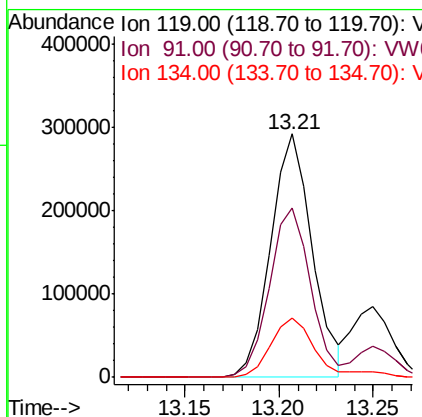
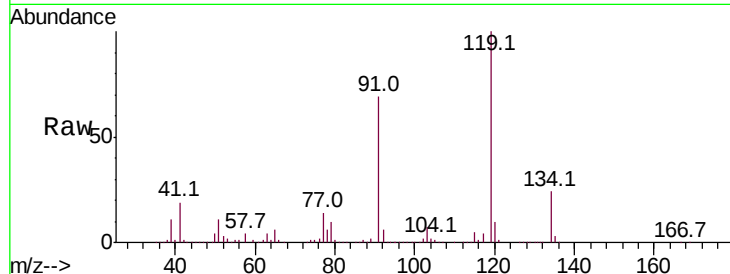




#83
 tert-Butylbenzene
 Concen: 57.052 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW011927.D
 Acq: 15 Aug 2019 14:32

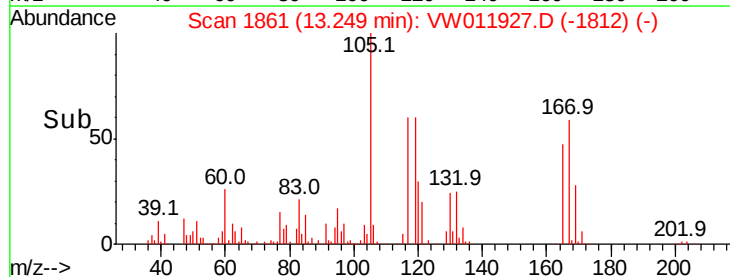
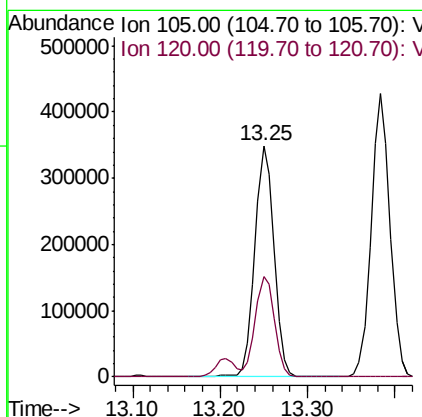
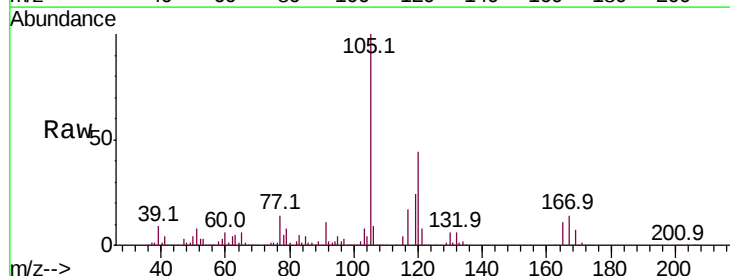
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

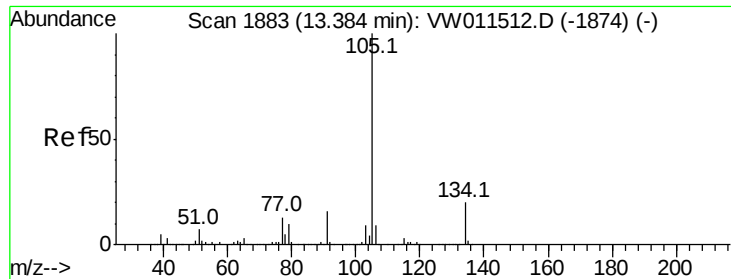
Tot Ion:119 Resp: 445546
 Ion Ratio Lower Upper
 119 100
 91 69.1 34.5 103.6
 134 26.7 12.4 37.4



#84
 1,2,4-Trimethylbenzene
 Concen: 56.232 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW011927.D
 Acq: 15 Aug 2019 14:32

Tgt Ion:105 Resp: 529006
 Ion Ratio Lower Upper
 105 100
 120 43.7 22.1 66.5

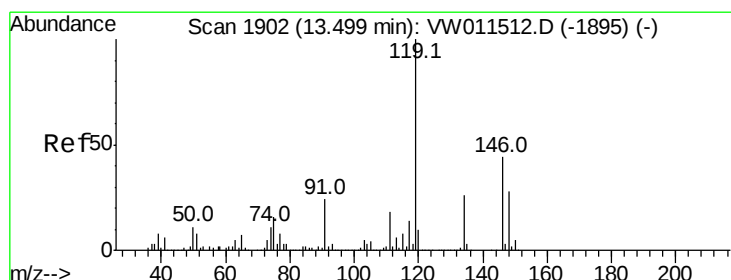
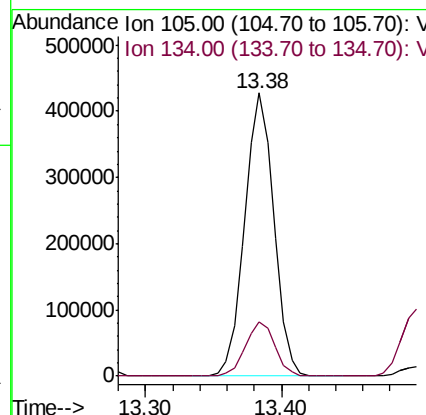
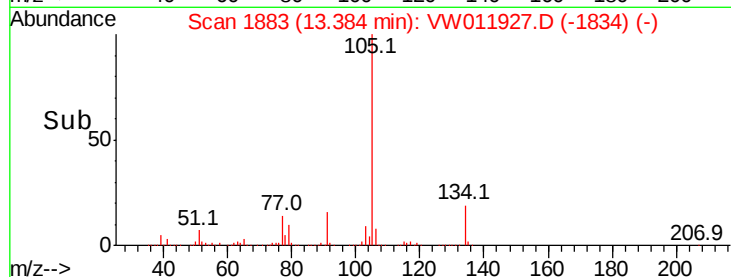
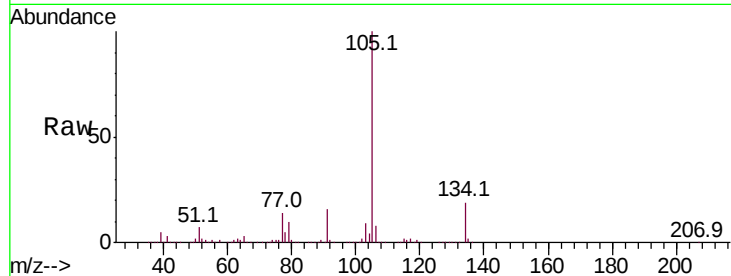




#85
 sec-Butylbenzene
 Concen: 57.545 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW011927.D
 Acq: 15 Aug 2019 14:32

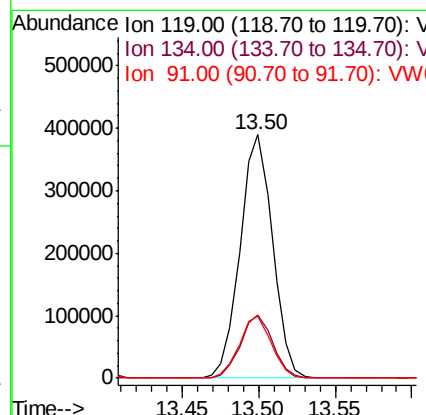
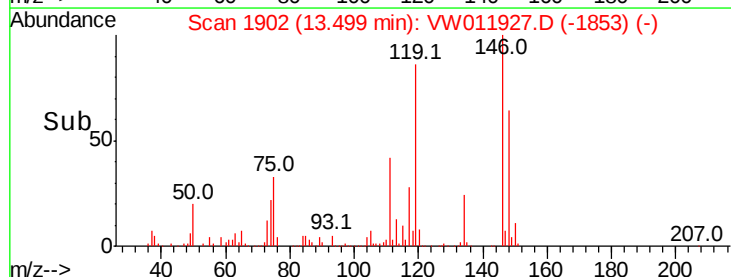
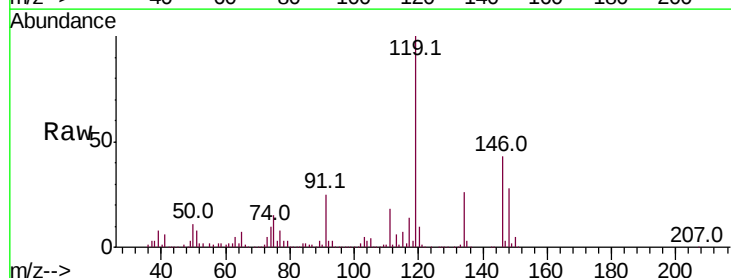
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

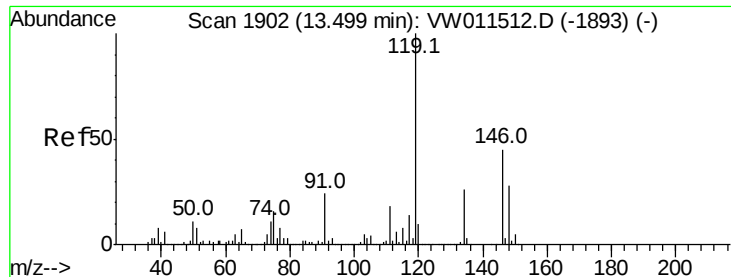
Tot Ion:105 Resp: 641233
 Ion Ratio Lower Upper
 105 100
 134 19.3 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 56.831 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011927.D
 Acq: 15 Aug 2019 14:32

Tgt Ion:119 Resp: 574587
 Ion Ratio Lower Upper
 119 100
 134 25.7 12.8 38.4
 91 24.9 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 54.848 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011927.D

Acq: 15 Aug 2019 14:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

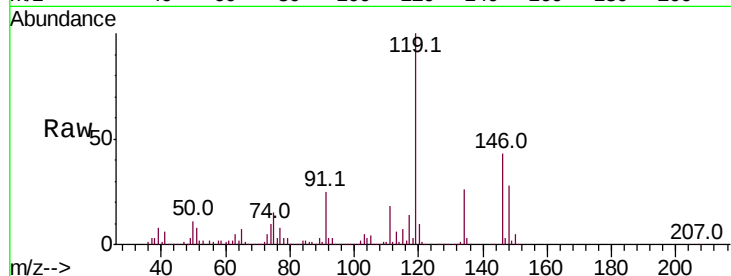
Tot Ion:146 Resp: 264826

Ion Ratio Lower Upper

146 100

111 41.5 20.5 61.6

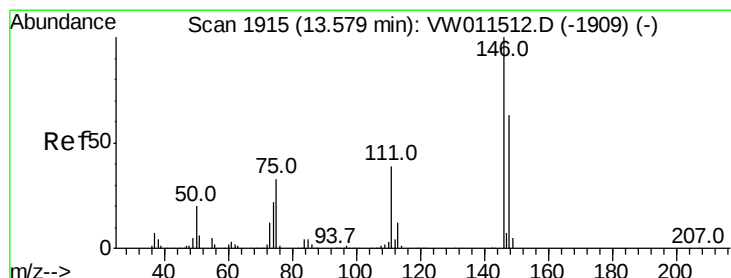
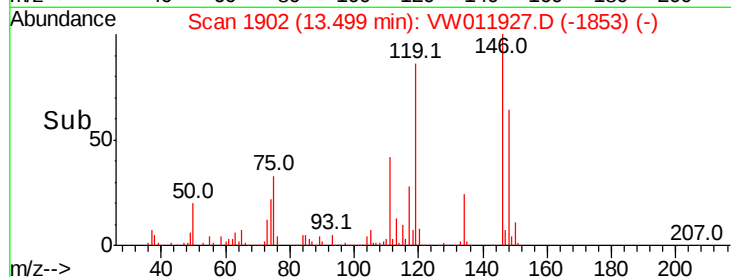
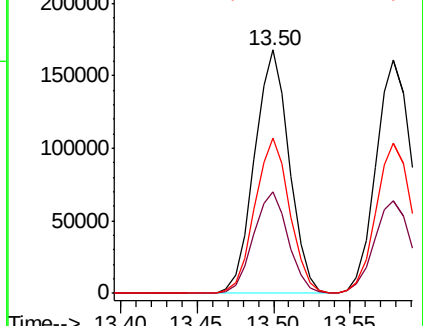
148 63.9 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 54.258 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW011927.D

Acq: 15 Aug 2019 14:32

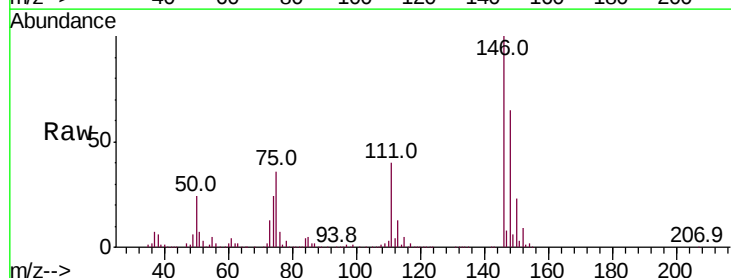
Tgt Ion:146 Resp: 260607

Ion Ratio Lower Upper

146 100

111 40.5 20.1 60.2

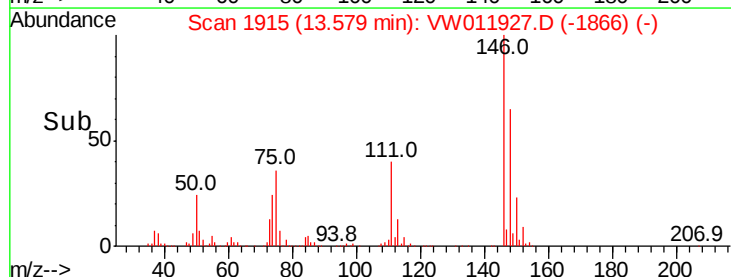
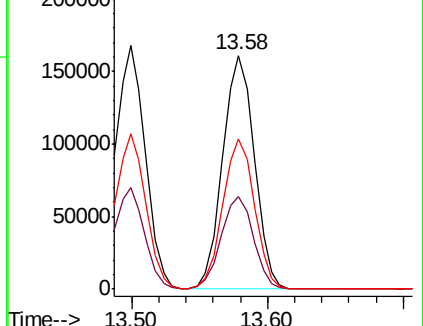
148 64.2 31.9 95.9

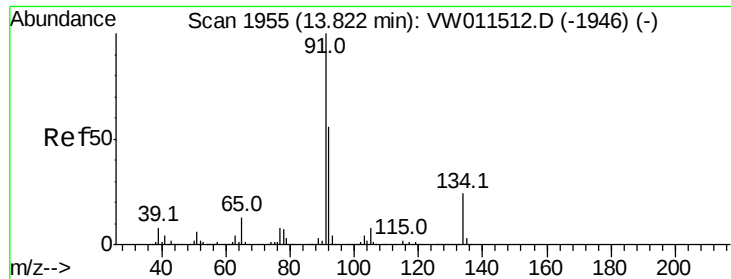


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 57.790 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW011927.D

Acq: 15 Aug 2019 14:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

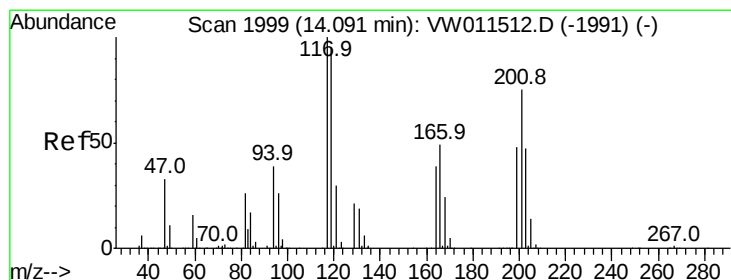
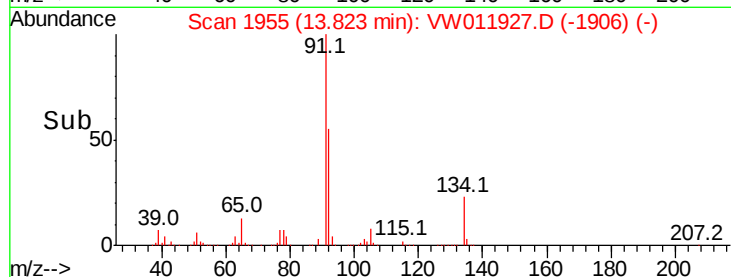
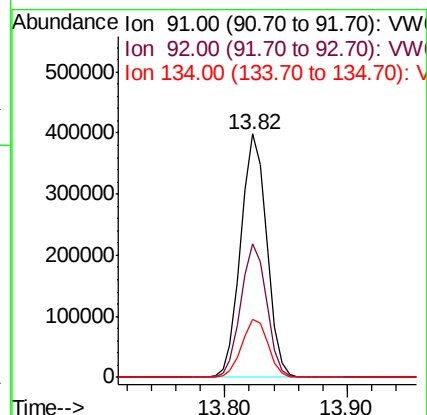
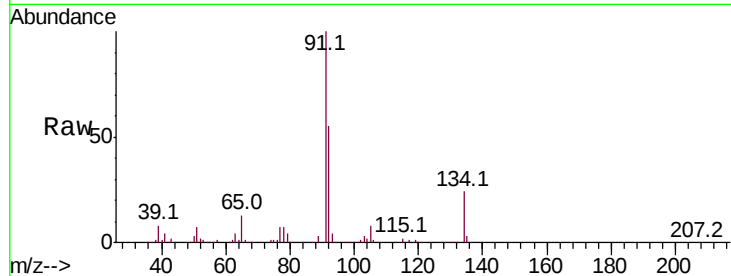
Tot Ion: 91 Resp: 583072

Ion Ratio Lower Upper

91 100

92 54.8 27.5 82.4

134 24.2 12.2 36.6



#90

Hexachloroethane

Concen: 57.506 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW011927.D

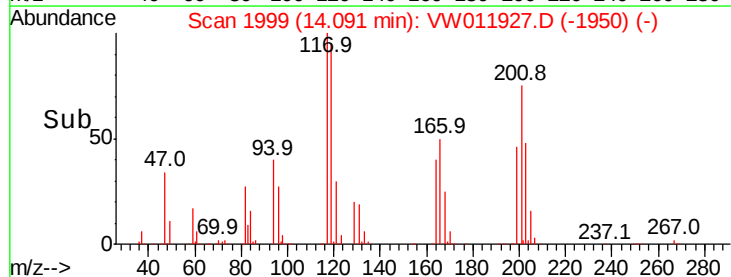
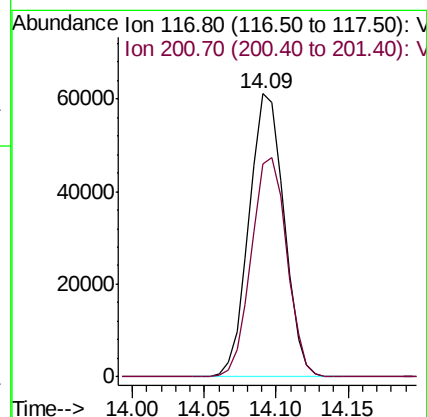
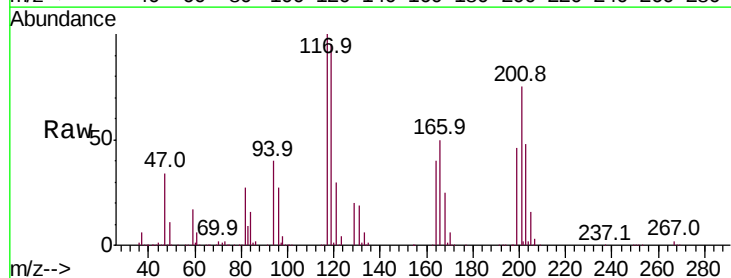
Acq: 15 Aug 2019 14:32

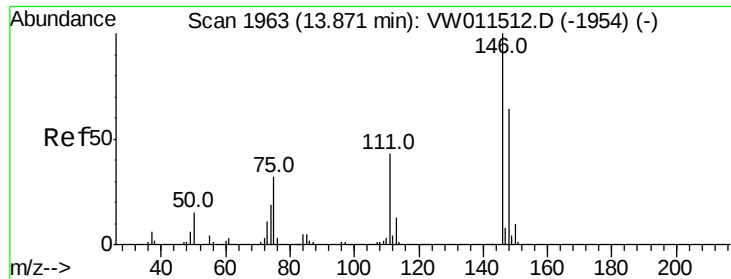
Tgt Ion: 117 Resp: 102810

Ion Ratio Lower Upper

117 100

201 78.6 39.4 118.2

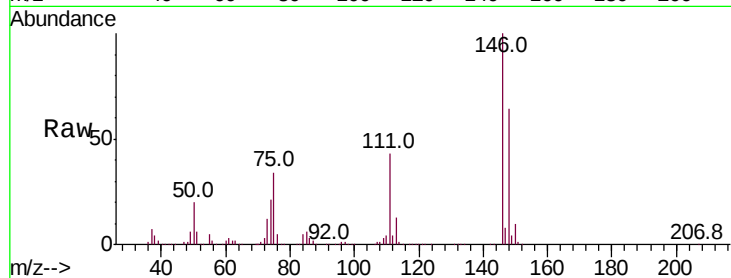




#91
 1,2-Dichlorobenzene
 Concen: 54.869 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW011927.D
 Acq: 15 Aug 2019 14:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.6	65.0
148	63.8	32.0	96.2

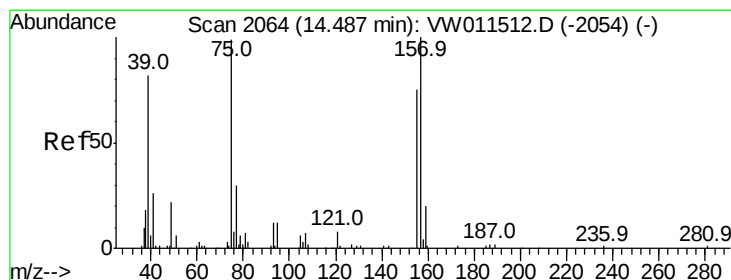
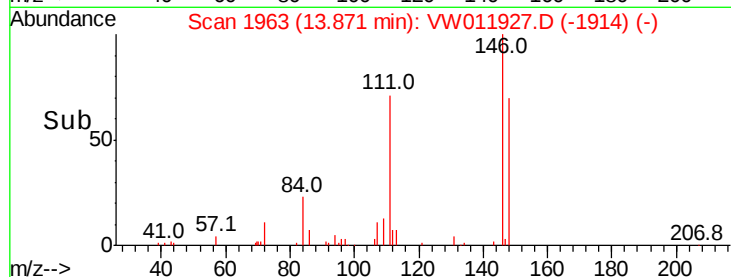
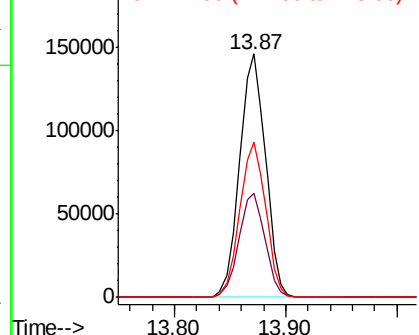


Abundance

Ion 145.90 (145.60 to 146.60): V

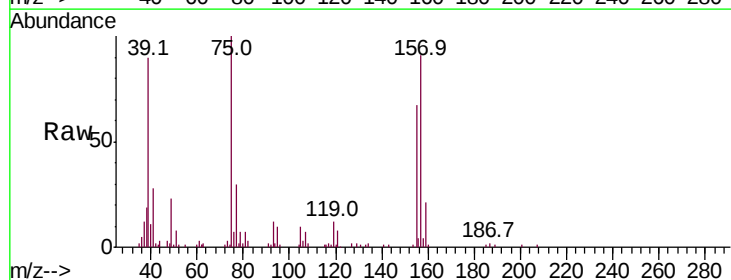
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.785 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW011927.D
 Acq: 15 Aug 2019 14:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.9	38.2	114.6
157	94.7	48.9	146.7

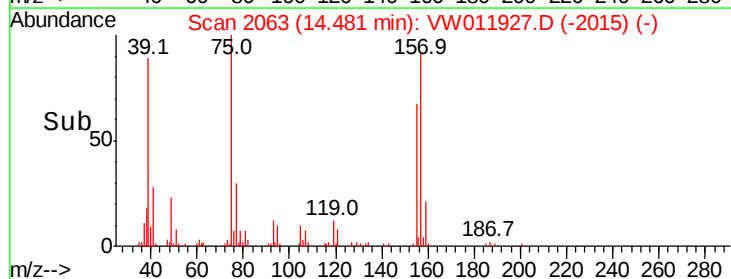
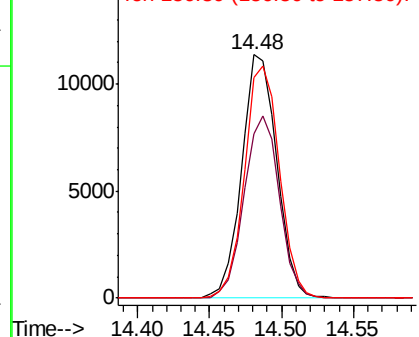


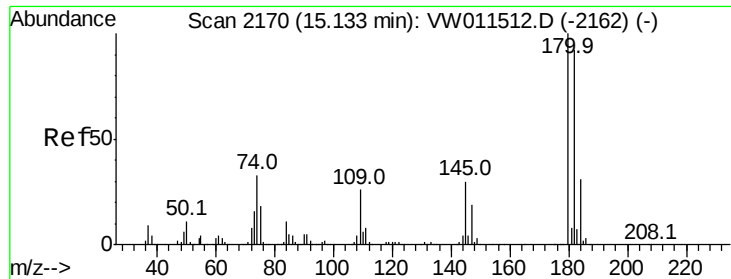
Abundance

Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

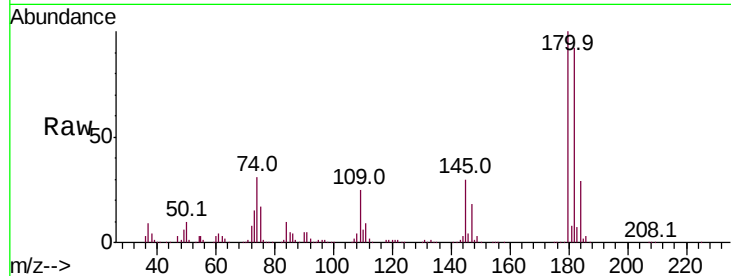




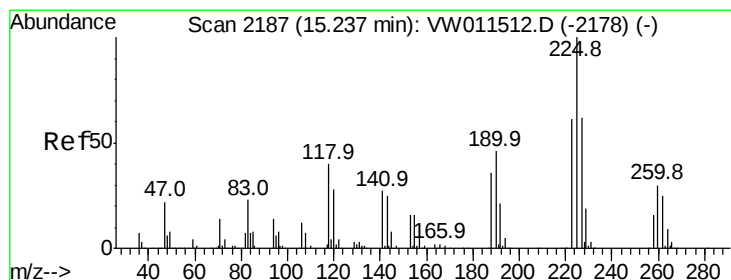
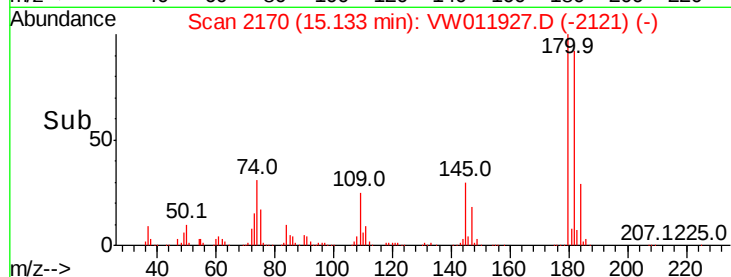
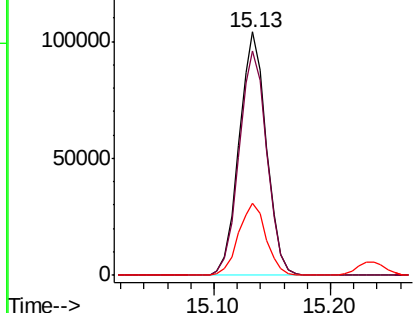
#93
 1,2,4-Trichlorobenzene
 Concen: 56.117 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW011927.D
 Acq: 15 Aug 2019 14:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.4	142.2
145	30.3	15.4	46.1

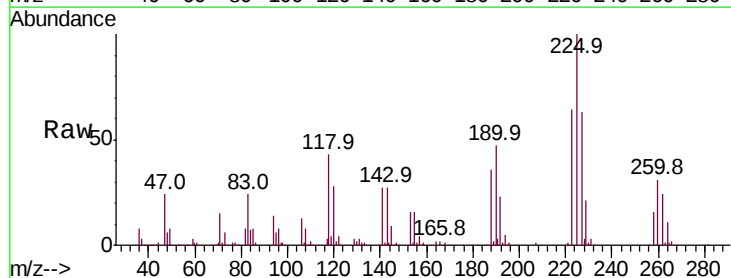


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

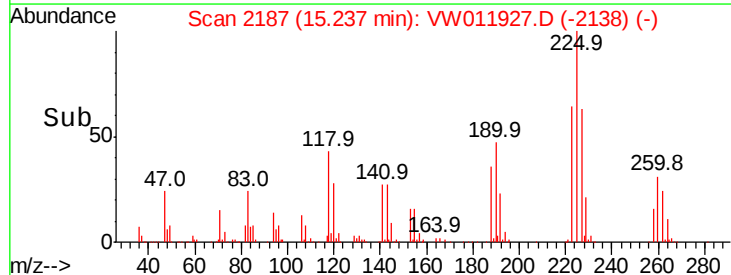
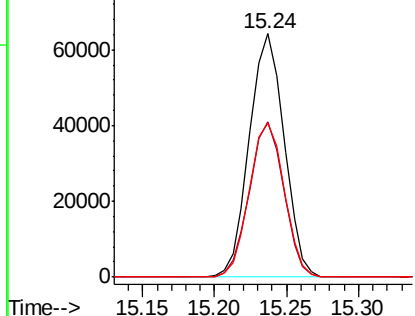


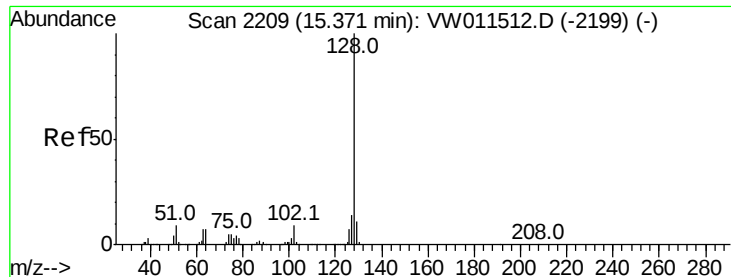
#94
 Hexachlorobutadiene
 Concen: 57.262 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW011927.D
 Acq: 15 Aug 2019 14:32

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	30.8	92.3
227	63.5	31.6	94.7



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

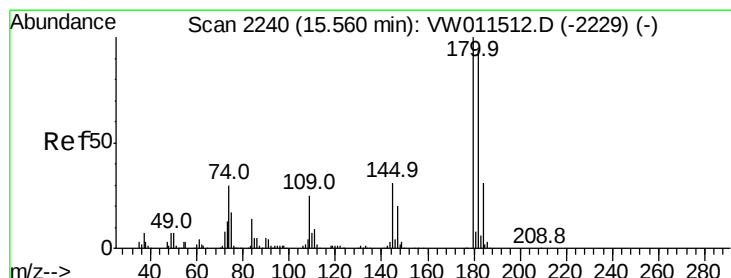
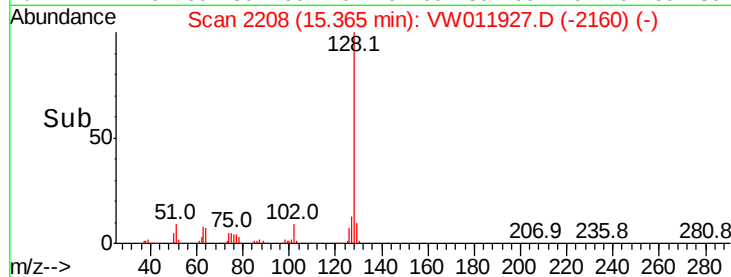
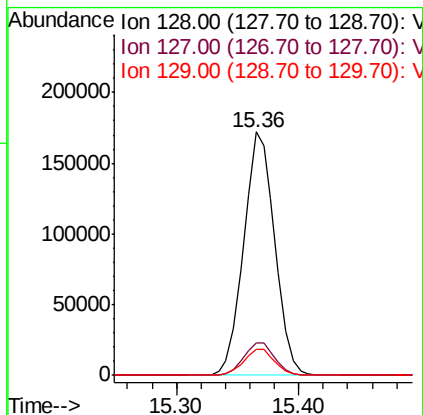
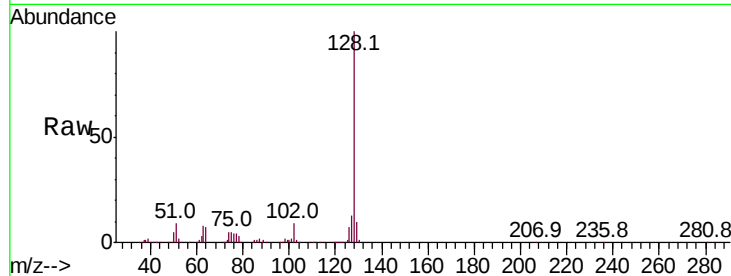




#95
Naphthalene
Concen: 51.322 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW011927.D
Acq: 15 Aug 2019 14:32

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 302907
Ion Ratio Lower Upper
128 100
127 13.5 10.6 16.0
129 10.8 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 54.759 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW011927.D
Acq: 15 Aug 2019 14:32

Tgt Ion:180 Resp: 144463
Ion Ratio Lower Upper
180 100
182 96.3 47.4 142.2
145 32.0 15.9 47.7

