

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW083120\
 Data File : VW016428.D
 Acq On : 31 Aug 2020 22:18
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Sep 01 03:01:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082820S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 28 15:01:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	156958	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	240565	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	218433	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	107712	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	85012	54.11	ug/l	0.00
Spiked Amount			Recovery	=	108.22%	
35) Dibromofluoromethane	7.88	113	81307	53.40	ug/l	0.00
Spiked Amount			Recovery	=	106.80%	
50) Toluene-d8	10.33	98	305827	53.63	ug/l	0.00
Spiked Amount			Recovery	=	107.26%	
62) 4-Bromofluorobenzene	12.62	95	112203	52.48	ug/l	0.00
Spiked Amount			Recovery	=	104.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	45153	51.044	ug/l	96
3) Chloromethane	2.21	50	39244	46.115	ug/l	100
4) Vinyl Chloride	2.36	62	77961	62.853	ug/l	96
5) Bromomethane	2.78	94	59494	67.926	ug/l	99
6) Chloroethane	2.92	64	51721	70.053	ug/l #	86
7) Trichlorofluoromethane	3.26	101	77443	51.641	ug/l	97
8) Diethyl Ether	3.68	74	35253	46.701	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.07	101	71639	48.940	ug/l	97
10) Methyl Iodide	4.27	142	111543	49.864	ug/l	100
11) Tert butyl alcohol	5.15	59	26747	283.243	ug/l	99
12) 1,1-Dichloroethene	4.04	96	72162	48.310	ug/l	98
13) Acrolein	3.89	56	13322	184.049	ug/l	98
14) Allyl chloride	4.67	41	87845	47.049	ug/l	97
15) Acrylonitrile	5.36	53	72324	257.336	ug/l	98
16) Acetone	4.12	43	62208	233.154	ug/l	95
17) Carbon Disulfide	4.38	76	203707	48.574	ug/l	98
18) Methyl Acetate	4.67	43	30962	50.891	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	116345	50.980	ug/l	99
20) Methylene Chloride	4.92	84	80003	47.270	ug/l	95
21) trans-1,2-Dichloroethene	5.43	96	83310	49.761	ug/l	95
22) Diisopropyl ether	6.31	45	177078	47.911	ug/l	99
23) Vinyl Acetate	6.26	43	550798	243.177	ug/l	98
24) 1,1-Dichloroethane	6.21	63	128436	48.199	ug/l	98
25) 2-Butanone	7.17	43	89353	246.829	ug/l	99
26) 2,2-Dichloropropane	7.17	77	93265	45.318	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	87367	48.166	ug/l	99
28) Bromochloromethane	7.51	49	47270	48.837	ug/l	98
29) Tetrahydrofuran	7.53	42	54792	253.548	ug/l	97
30) Chloroform	7.68	83	145310	49.091	ug/l	100
31) Cyclohexane	7.96	56	108713	44.515	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	135062	50.665	ug/l	100
36) 1,1-Dichloropropene	8.09	75	112471	49.127	ug/l	100
37) Ethyl Acetate	7.25	43	38642	49.823	ug/l	98
38) Carbon Tetrachloride	8.07	117	127319	50.752	ug/l	96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	138222	49.862	ug/l	95
40) Benzene	8.32	78	305736	49.881	ug/l	100
41) Methacrylonitrile	7.48	41	22171	49.649	ug/l	93
42) 1,2-Dichloroethane	8.40	62	95745	51.212	ug/l	100
43) Isopropyl Acetate	8.42	43	76549	49.458	ug/l	99
44) Trichloroethene	9.09	130	91342	49.806	ug/l	93
45) 1,2-Dichloropropane	9.37	63	67794	47.678	ug/l	99
46) Dibromomethane	9.46	93	42586	50.409	ug/l	97
47) Bromodichloromethane	9.65	83	109804	50.396	ug/l	98
48) Methyl methacrylate	9.44	41	36642	49.655	ug/l	98
49) 1,4-Dioxane	9.45	88	14068	1222.499	ug/l #	99
51) 4-Methyl-2-Pentanone	10.21	43	195624	255.614	ug/l	100
52) Toluene	10.39	92	207677	50.536	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	105045	49.574	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	120552	48.827	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	59451	49.357	ug/l	96
56) Ethyl methacrylate	10.65	69	72049	51.187	ug/l	99
57) 1,3-Dichloropropane	10.93	76	98862	49.397	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	149963	237.276	ug/l	98
59) 2-Hexanone	10.97	43	133185	255.082	ug/l	97
60) Dibromochloromethane	11.13	129	79058	51.908	ug/l	100
61) 1,2-Dibromoethane	11.24	107	60053	50.837	ug/l	98
64) Tetrachloroethene	10.87	164	78383	52.241	ug/l	86
65) Chlorobenzene	11.66	112	221671	49.275	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	84595	50.786	ug/l	98
67) Ethyl Benzene	11.73	91	405135	50.444	ug/l	100
68) m/p-Xylenes	11.84	106	309571	100.959	ug/l	100
69) o-Xylene	12.17	106	143824	51.006	ug/l	95
70) Styrene	12.18	104	245306	51.045	ug/l	100
71) Bromoform	12.35	173	44629	52.654	ug/l #	99
73) Isopropylbenzene	12.47	105	418324	52.670	ug/l	97
74) N-amyl acetate	12.27	43	70371	50.630	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	67011	51.253	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	87728	92.108	ug/l	27
77) Bromobenzene	12.75	156	89791	48.632	ug/l	96
78) n-propylbenzene	12.80	91	476457	51.102	ug/l	98
79) 2-Chlorotoluene	12.90	91	278487	50.718	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	355875	51.088	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	20743	48.352	ug/l	99
82) 4-Chlorotoluene	12.99	91	288816	50.311	ug/l	98
83) tert-Butylbenzene	13.21	119	302137	51.626	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	356848	51.360	ug/l	100
85) sec-Butylbenzene	13.38	105	415768	51.308	ug/l	99
86) p-Isopropyltoluene	13.50	119	391245	51.718	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	177406	50.057	ug/l	95
88) 1,4-Dichlorobenzene	13.58	146	172416	48.354	ug/l	98
89) n-Butylbenzene	13.82	91	346281	49.857	ug/l	98
90) Hexachloroethane	14.10	117	72535	51.068	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	156417	49.270	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	12368	52.041	ug/l	93

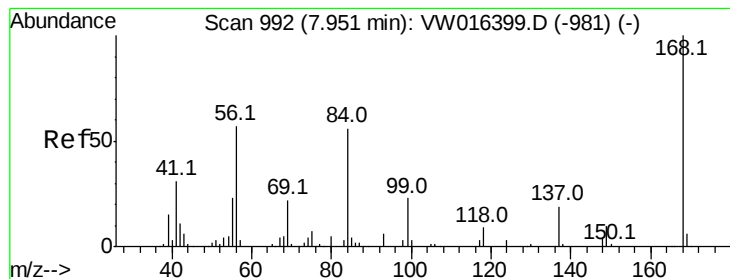
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	102012	48.405	ug/l	99
94) Hexachlorobutadiene	15.24	225	65760	52.266	ug/l	98
95) Naphthalene	15.36	128	199216	51.082	ug/l	98
96) 1,2,3-Trichlorobenzene	15.56	180	91138	49.355	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW016428.D

Acq: 31 Aug 2020 22:18

Instrument :

MSVOA_W

ClientSampleId :

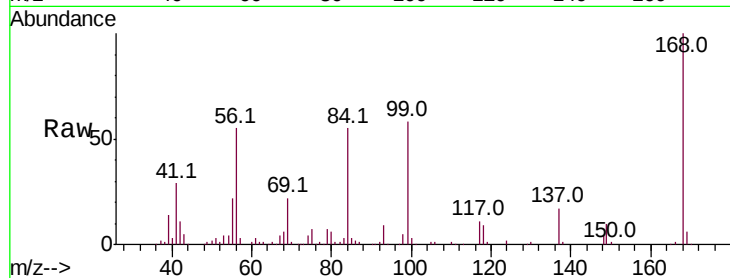
VSTDCCC050EC

Tot Ion:168 Resp: 156958

Ion Ratio Lower Upper

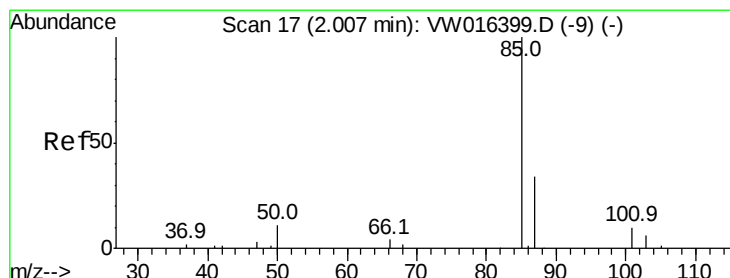
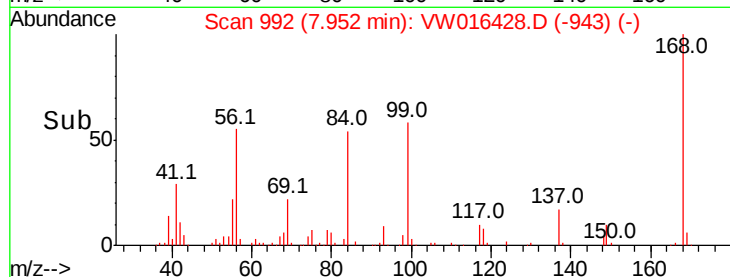
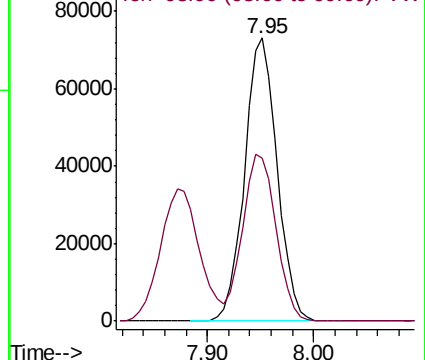
168 100

99 57.5 49.0 73.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 51.044 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW016428.D

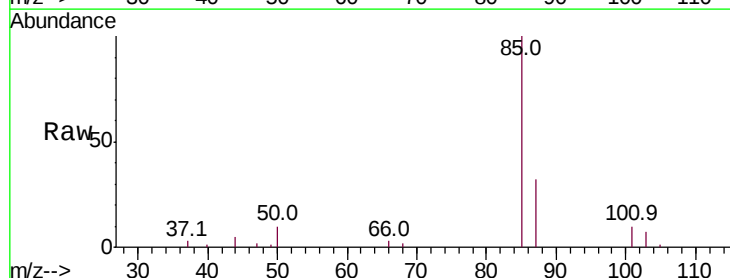
Acq: 31 Aug 2020 22:18

Tgt Ion: 85 Resp: 45153

Ion Ratio Lower Upper

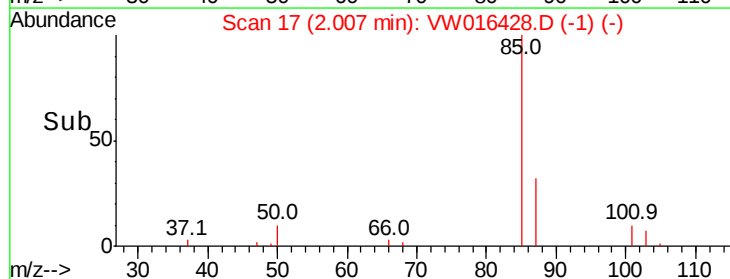
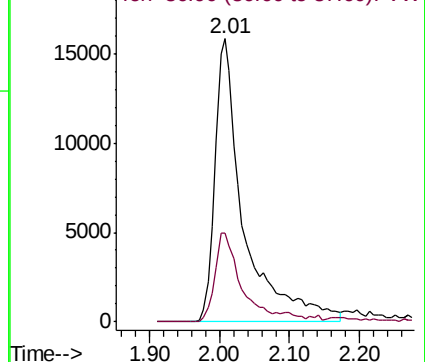
85 100

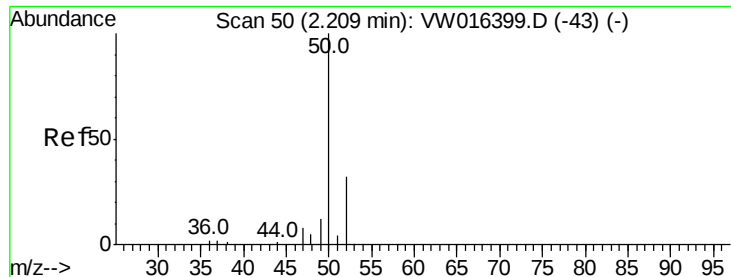
87 31.5 17.0 51.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 46.115 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW016428.D

Acq: 31 Aug 2020 22:18

Instrument :

MSVOA_W

ClientSampleId :

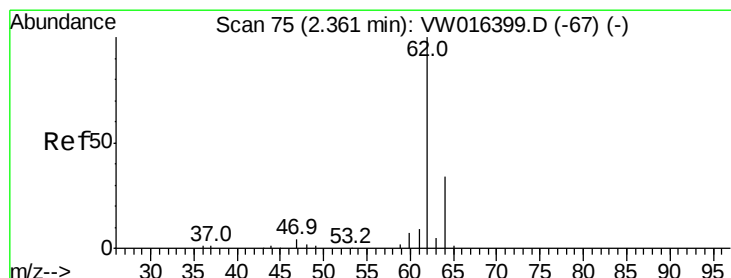
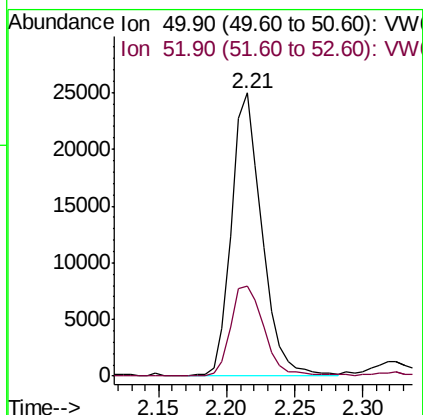
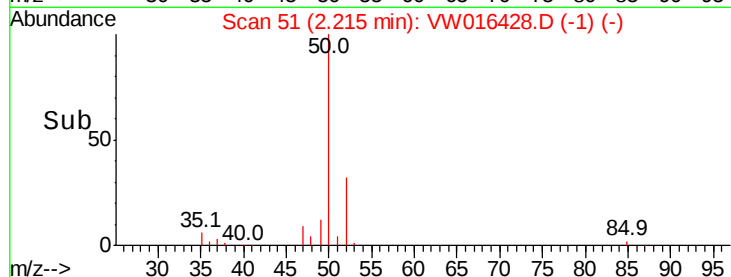
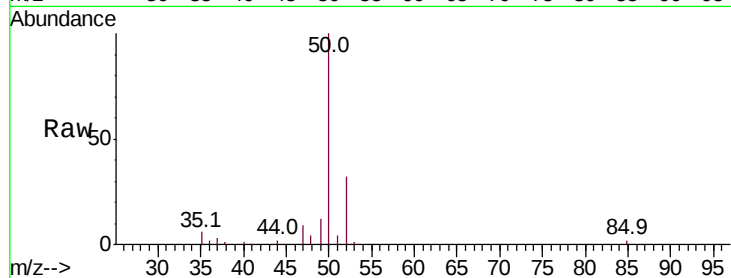
VSTDCCC050EC

Tot Ion: 50 Resp: 39244

Ion Ratio Lower Upper

50 100

52 31.8 25.5 38.3



#4

Vinyl Chloride

Concen: 62.853 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW016428.D

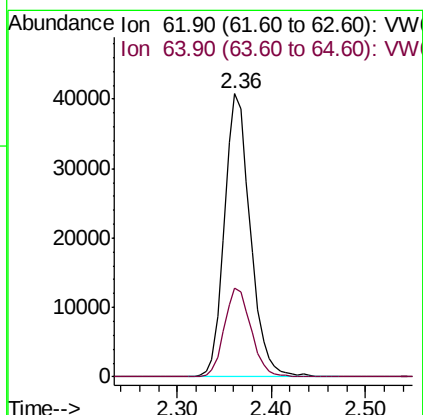
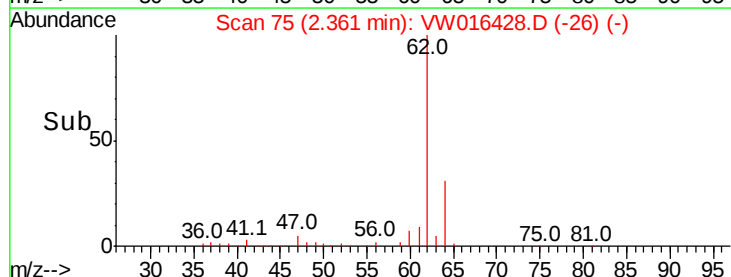
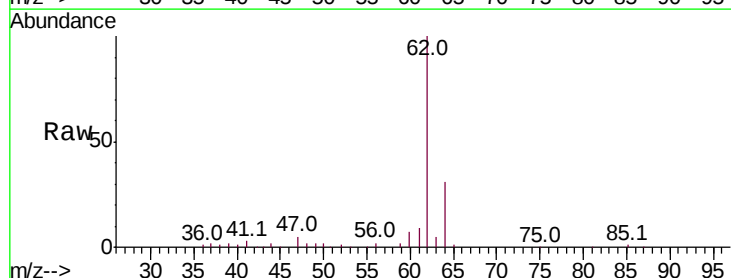
Acq: 31 Aug 2020 22:18

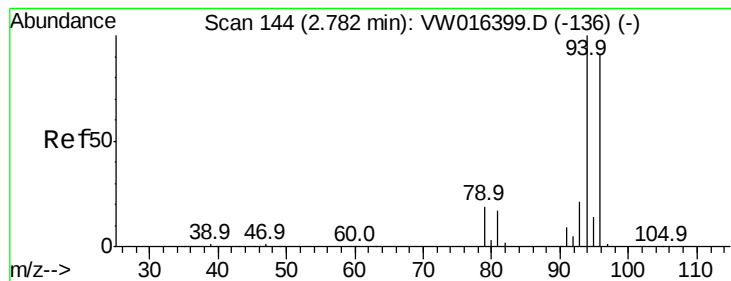
Tgt Ion: 62 Resp: 77961

Ion Ratio Lower Upper

62 100

64 31.5 27.2 40.8





#5

Bromomethane

Concen: 67.926 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW016428.D

Acq: 31 Aug 2020 22:18

Instrument :

MSVOA_W

ClientSampleId :

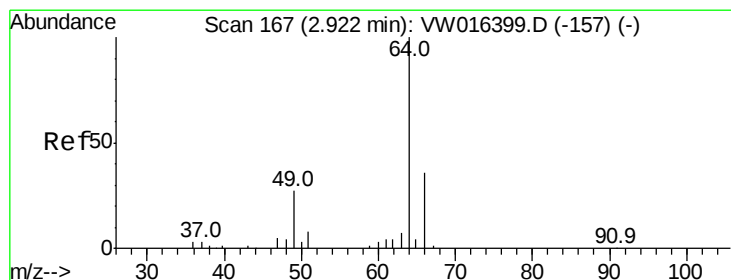
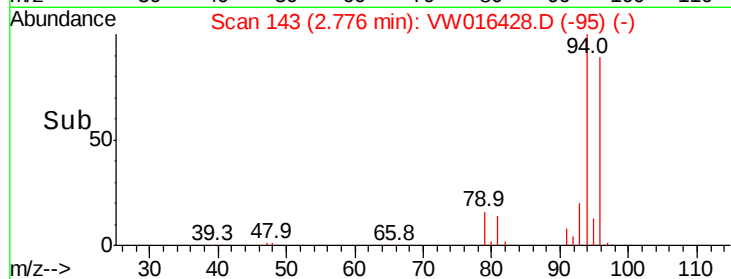
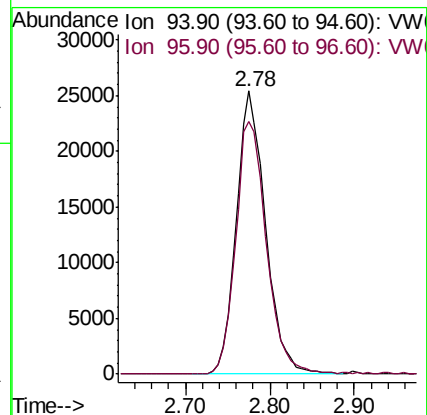
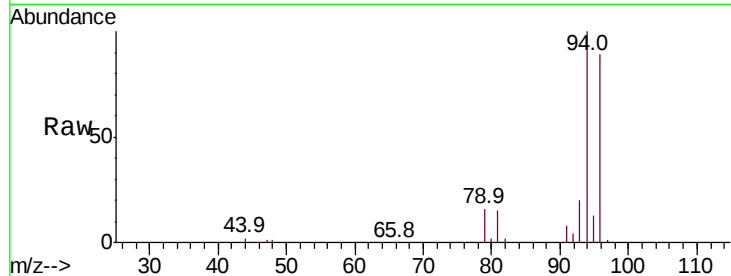
VSTDCCC050EC

Tot Ion: 94 Resp: 59494

Ion Ratio Lower Upper

94 100

96 89.4 72.6 109.0



#6

Chloroethane

Concen: 70.053 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW016428.D

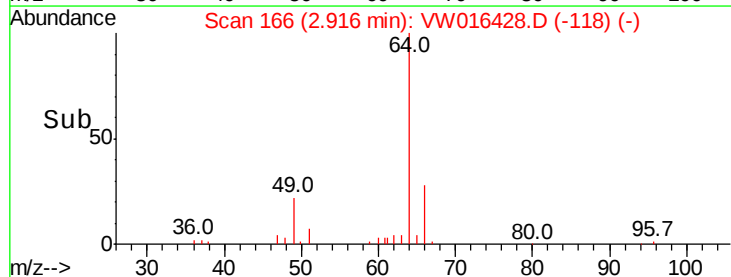
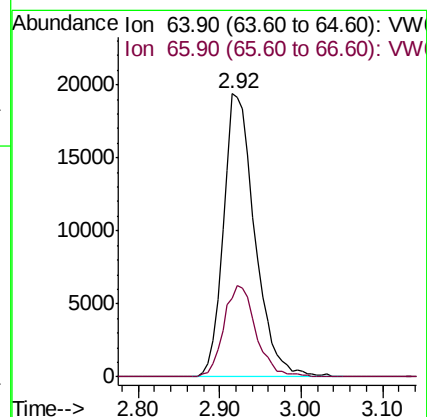
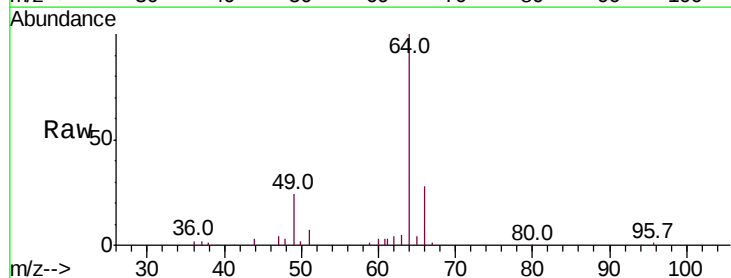
Acq: 31 Aug 2020 22:18

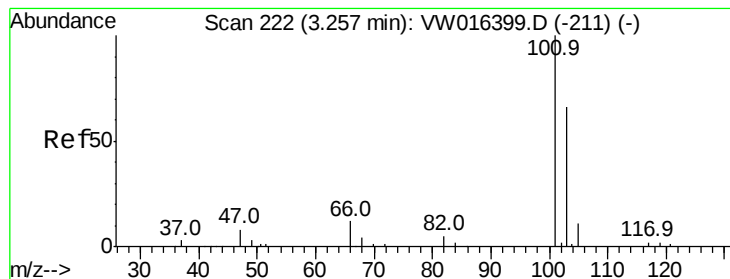
Tgt Ion: 64 Resp: 51721

Ion Ratio Lower Upper

64 100

66 27.8 28.7 43.1#



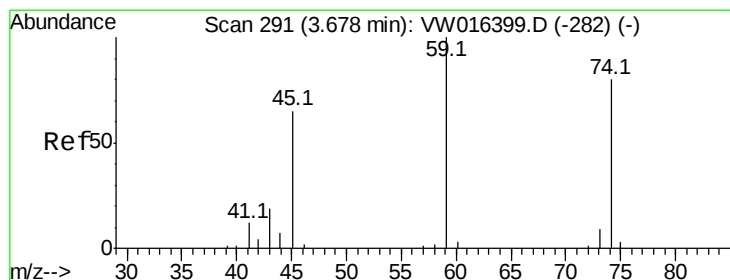
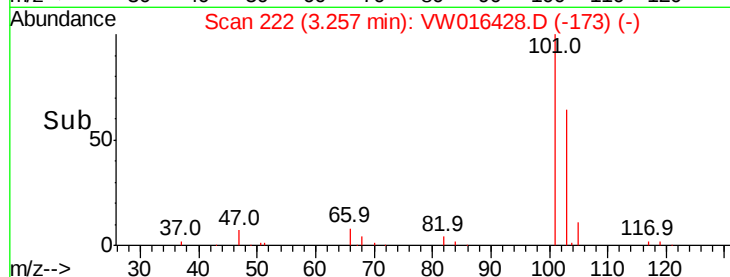
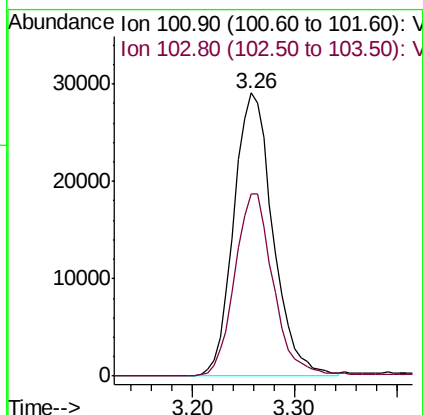
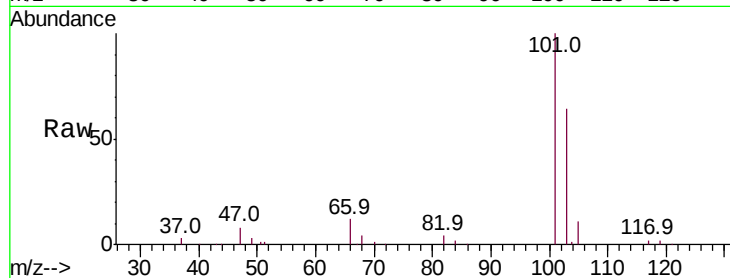


#7

Trichlorofluoromethane
 Concen: 51.641 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW016428.D
 Acq: 31 Aug 2020 22:18

Instrument :
 MSVOA_W
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 VSTDCCC050EC

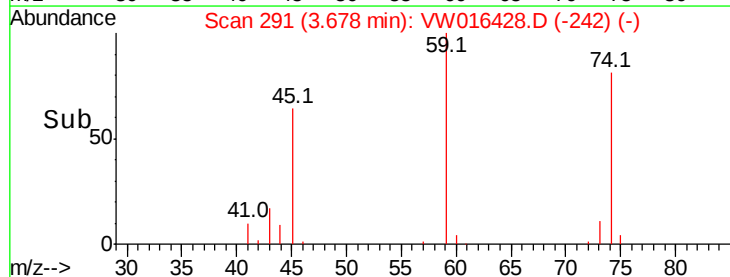
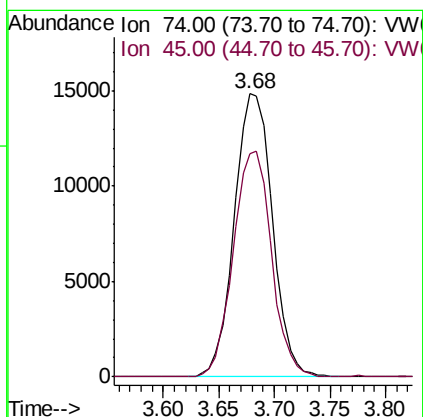
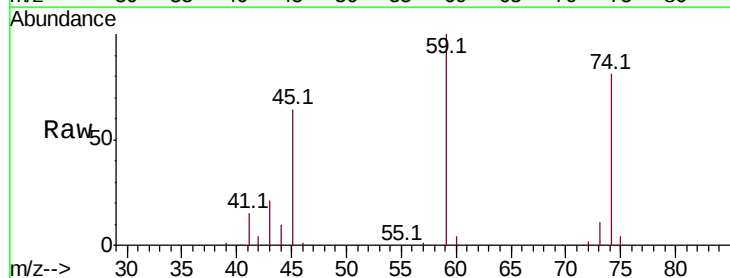
Tot Ion:101 Resp: 77443
 Ion Ratio Lower Upper
 101 100
 103 64.2 53.0 79.4

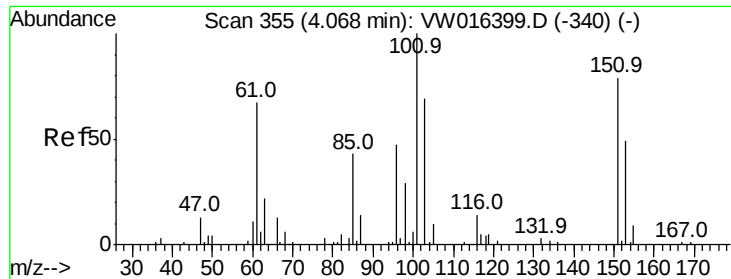


#8

Diethyl Ether
 Concen: 46.701 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW016428.D
 Acq: 31 Aug 2020 22:18

Tgt Ion: 74 Resp: 35253
 Ion Ratio Lower Upper
 74 100
 45 79.8 42.0 126.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.940 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW016428.D

Acq: 31 Aug 2020 22:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

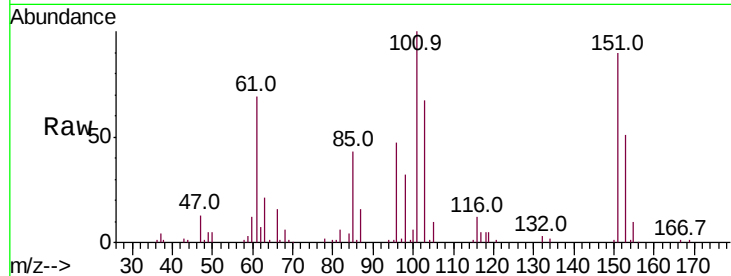
Tot Ion:101 Resp: 71639

Ion Ratio Lower Upper

101 100

85 42.9 34.2 51.2

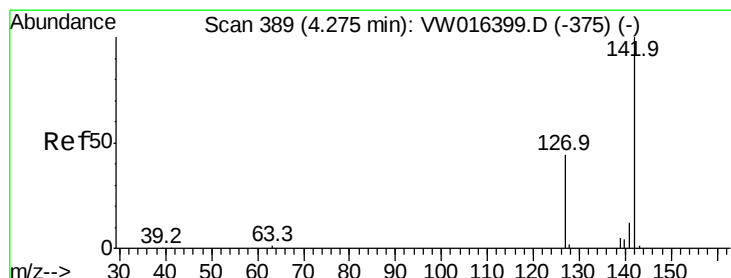
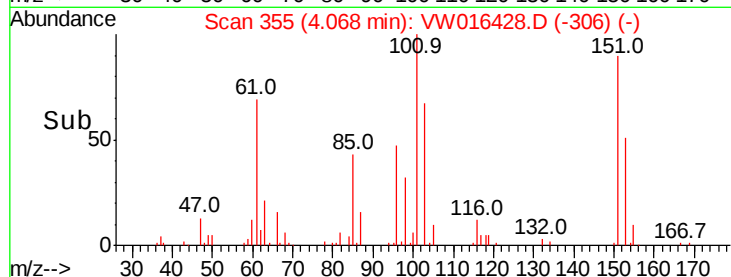
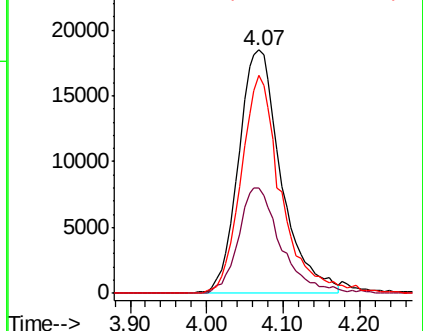
151 84.0 63.8 95.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.864 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.01 min

Lab File: VW016428.D

Acq: 31 Aug 2020 22:18

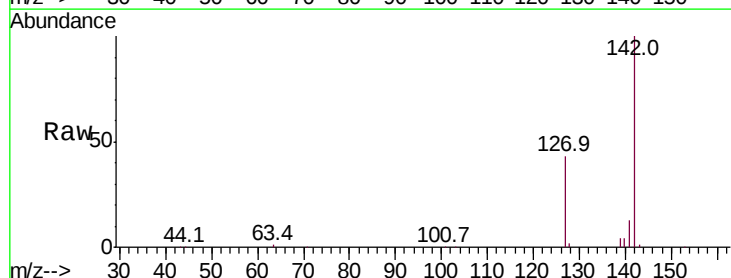
Tgt Ion:142 Resp: 111543

Ion Ratio Lower Upper

142 100

127 45.2 36.2 54.4

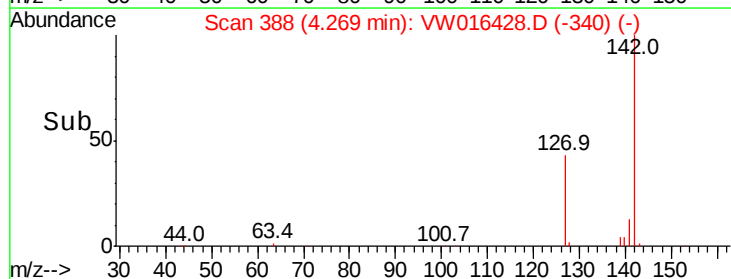
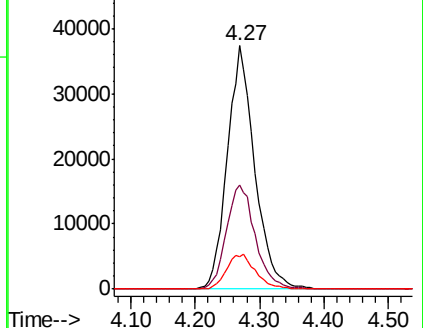
141 15.1 11.8 17.6

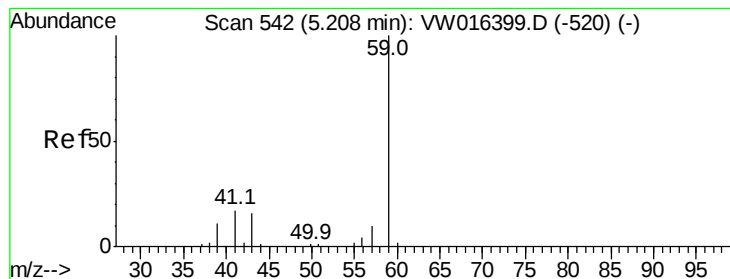


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



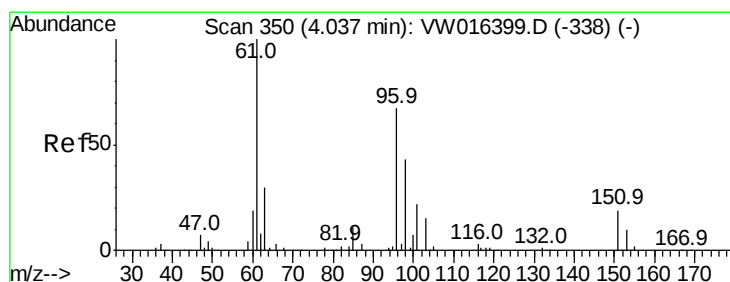
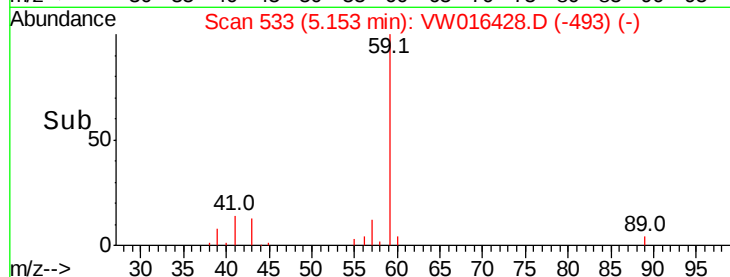
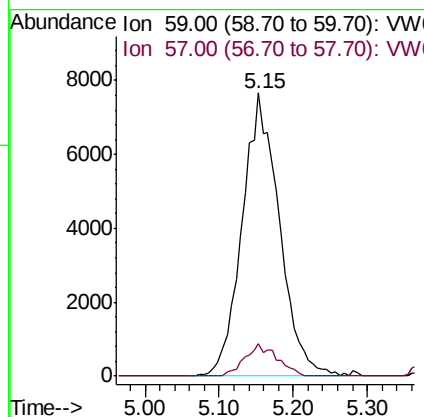
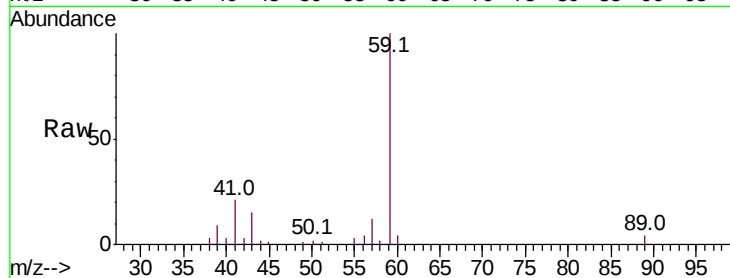


#11

Tert butyl alcohol
 Concen: 283.243 ug/l
 RT: 5.15 min Scan# 533
 Delta R.T. -0.05 min
 Lab File: VW016428.D
 Acq: 31 Aug 2020 22:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

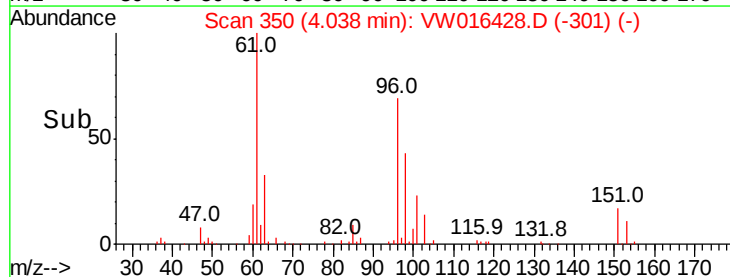
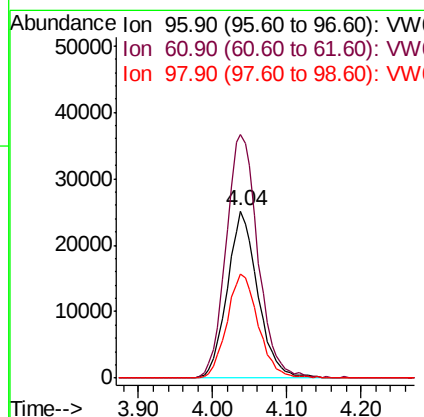
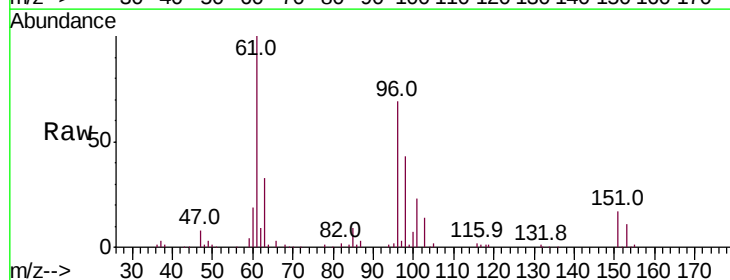
Tot Ion: 59 Resp: 26747
 Ion Ratio Lower Upper
 59 100
 57 10.0 8.2 12.4

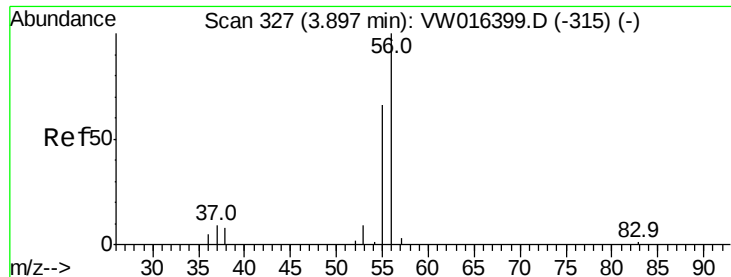


#12

1,1-Dichloroethene
 Concen: 48.310 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW016428.D
 Acq: 31 Aug 2020 22:18

Tgt Ion: 96 Resp: 72162
 Ion Ratio Lower Upper
 96 100
 61 145.6 119.0 178.4
 98 62.1 50.6 76.0





#13

Acrolein

Concen: 184.049 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW016428.D

Acq: 31 Aug 2020 22:18

Instrument :

MSVOA_W

ClientSampleId :

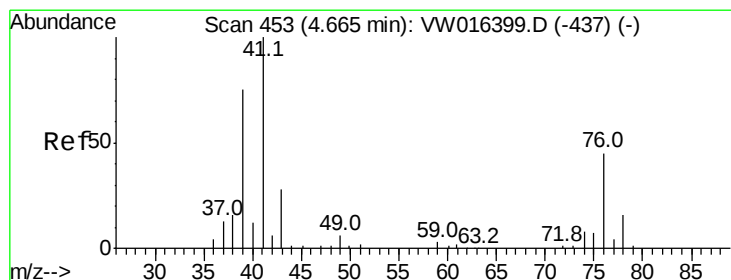
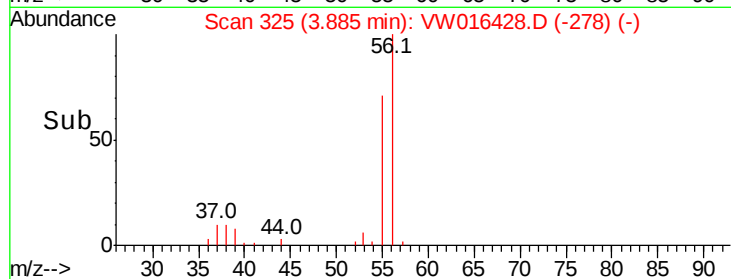
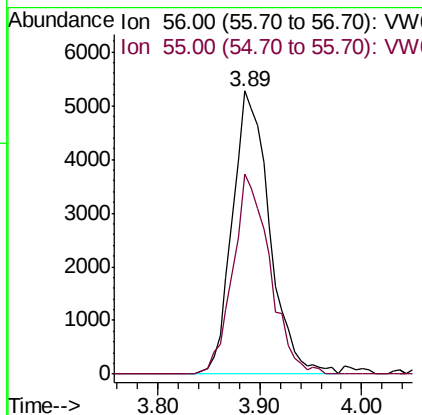
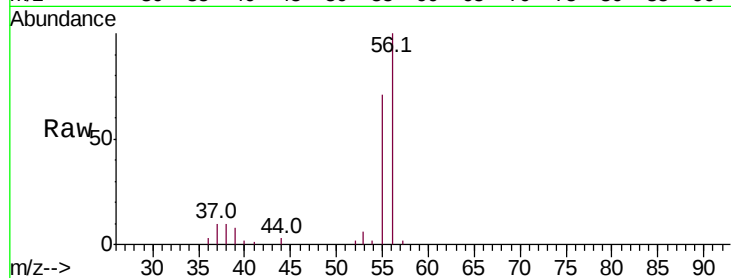
VSTDCCC050EC

Tot Ion: 56 Resp: 13322

Ion Ratio Lower Upper

56 100

55 70.1 54.8 82.2



#14

Allyl chloride

Concen: 47.049 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW016428.D

Acq: 31 Aug 2020 22:18

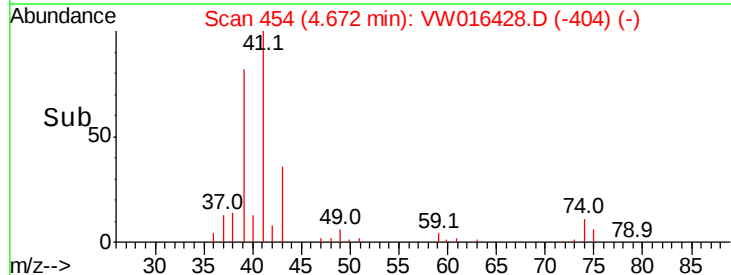
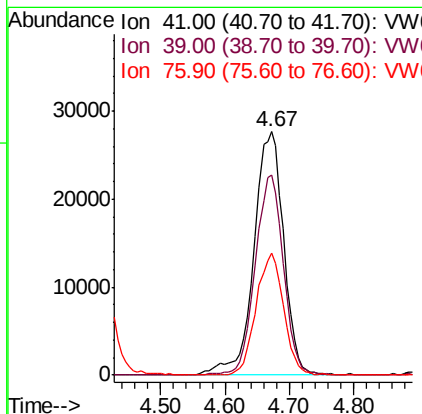
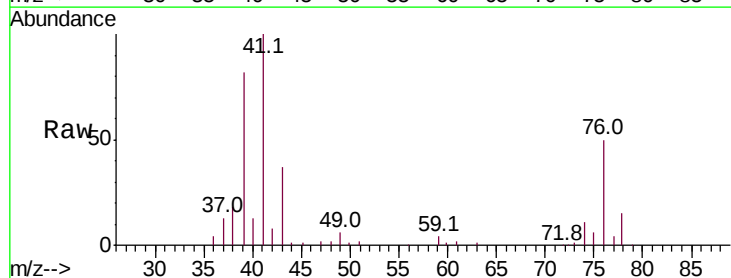
Tgt Ion: 41 Resp: 87845

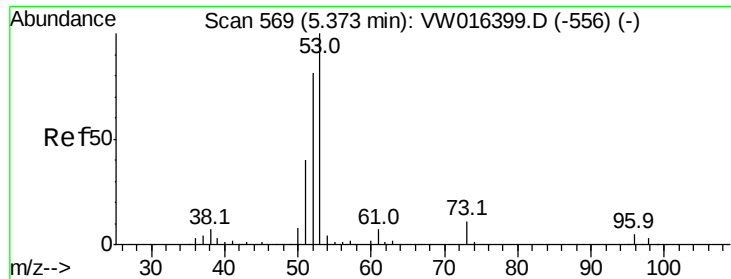
Ion Ratio Lower Upper

41 100

39 78.2 60.2 90.2

76 46.3 35.7 53.5





#15

Acrylonitrile

Concen: 257.336 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW016428.D

Acq: 31 Aug 2020 22:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

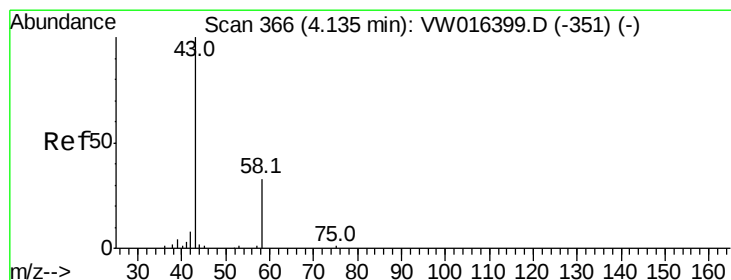
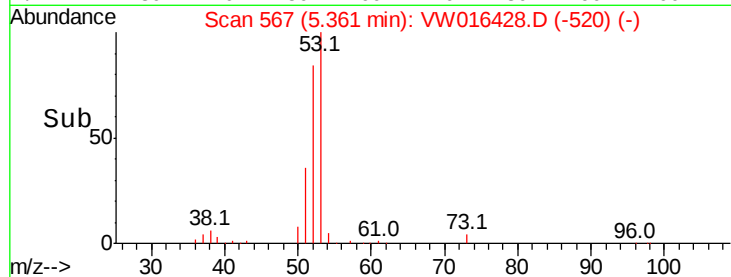
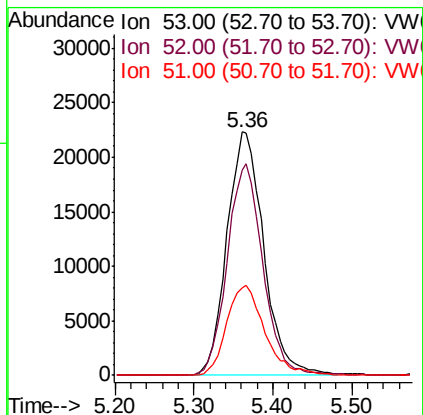
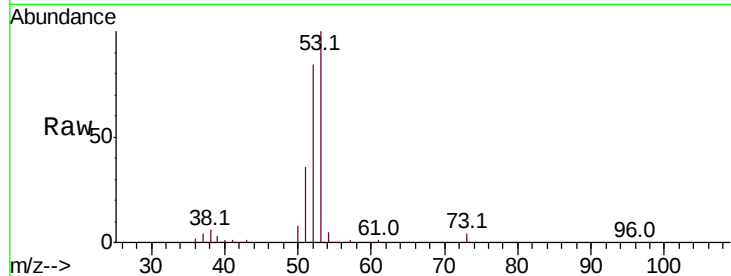
Tot Ion: 53 Resp: 72324

Ion Ratio Lower Upper

53 100

52 84.1 66.1 99.1

51 38.4 29.9 44.9



#16

Acetone

Concen: 233.154 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.02 min

Lab File: VW016428.D

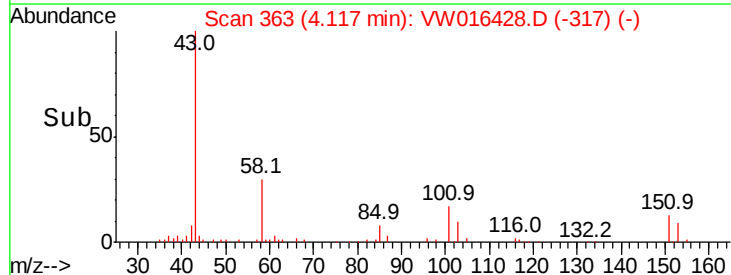
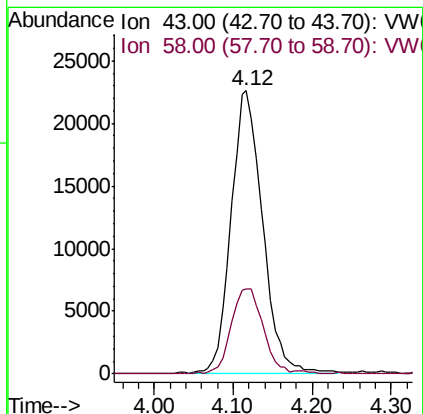
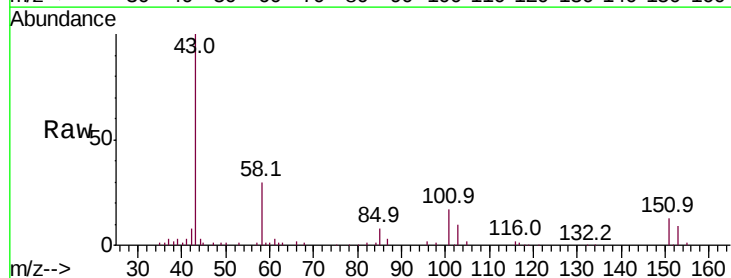
Acq: 31 Aug 2020 22:18

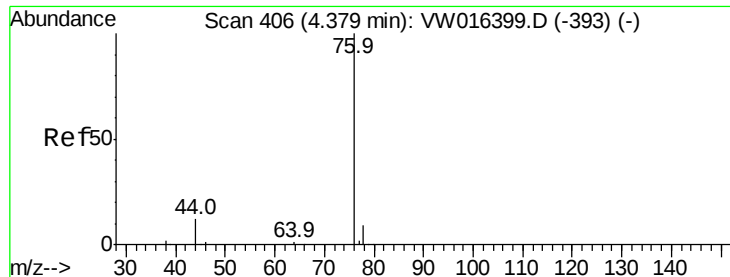
Tgt Ion: 43 Resp: 62208

Ion Ratio Lower Upper

43 100

58 30.4 26.6 39.8





#17

Carbon Disulfide

Concen: 48.574 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW016428.D

Acq: 31 Aug 2020 22:18

Instrument :

MSVOA_W

ClientSampleId :

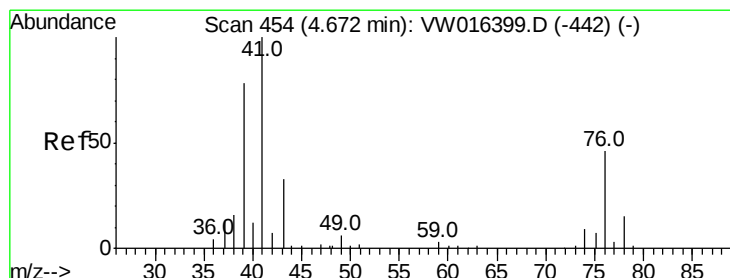
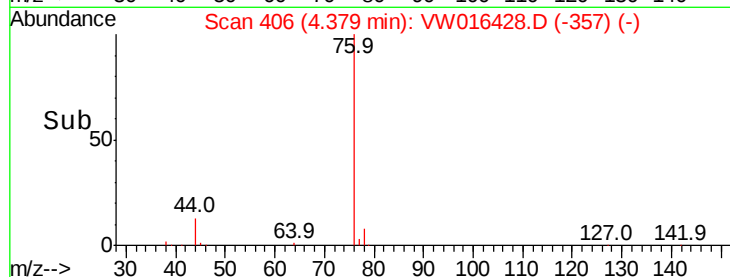
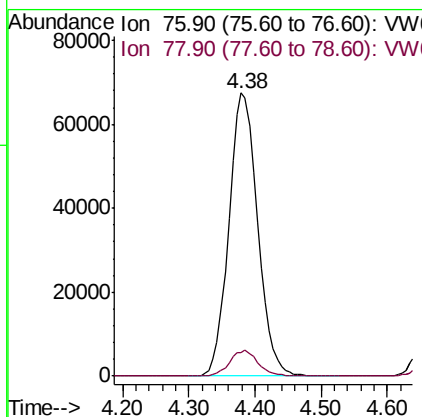
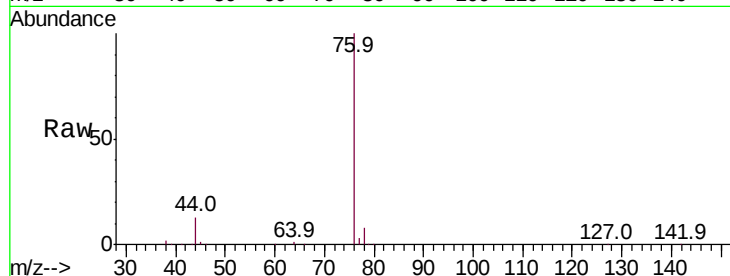
VSTDCCC050EC

Tot Ion: 76 Resp: 203707

Ion Ratio Lower Upper

76 100

78 8.4 7.4 11.2



#18

Methyl Acetate

Concen: 50.891 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW016428.D

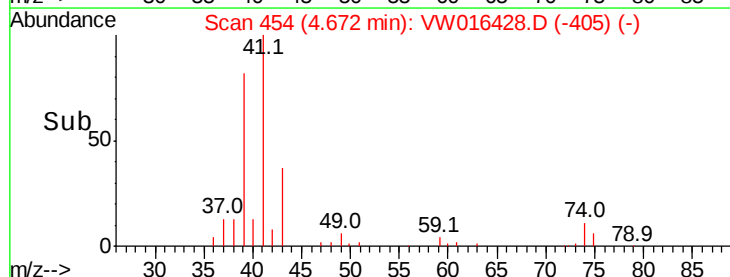
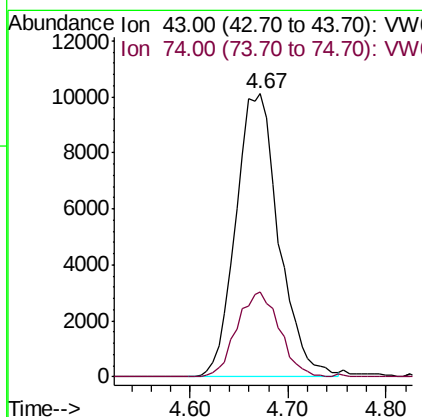
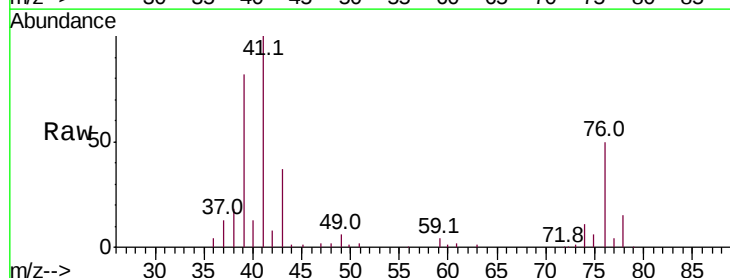
Acq: 31 Aug 2020 22:18

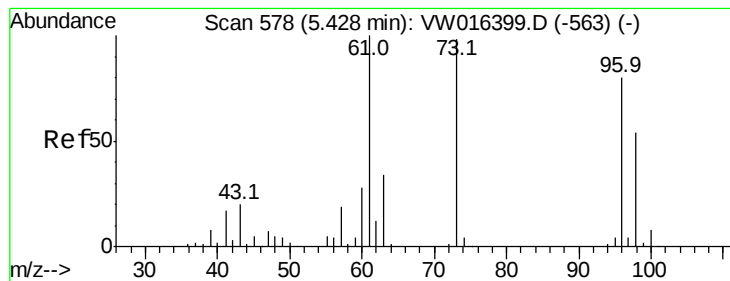
Tgt Ion: 43 Resp: 30962

Ion Ratio Lower Upper

43 100

74 29.8 23.2 34.8



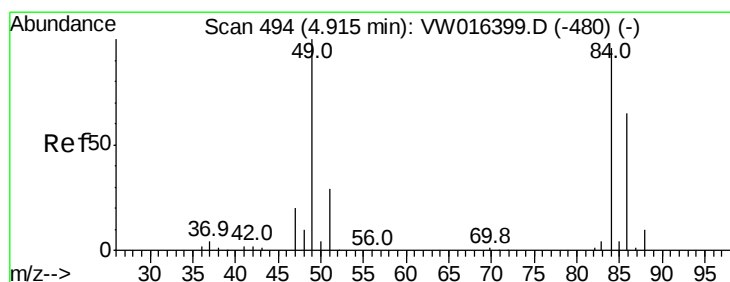
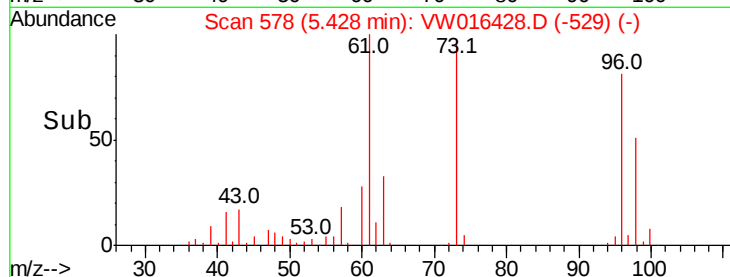
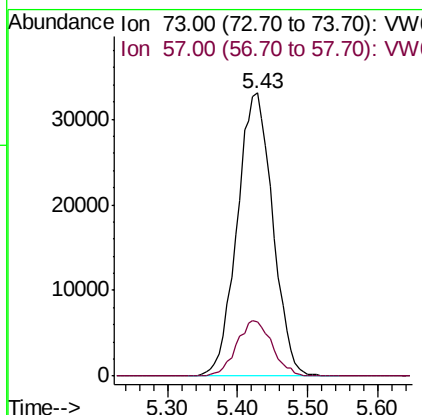
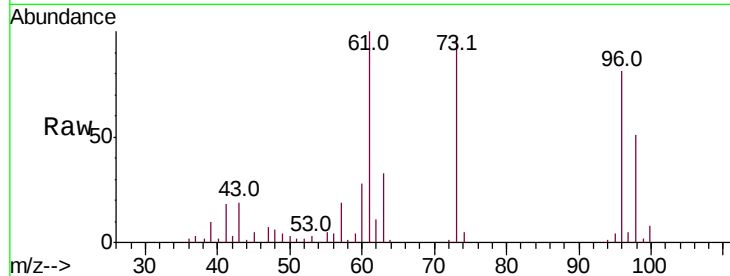


#19

Methyl tert-butyl Ether
 Concen: 50.980 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. 0.00 min
 Lab File: VW016428.D
 Acq: 31 Aug 2020 22:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

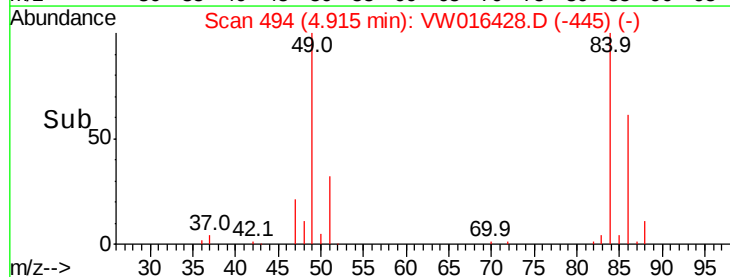
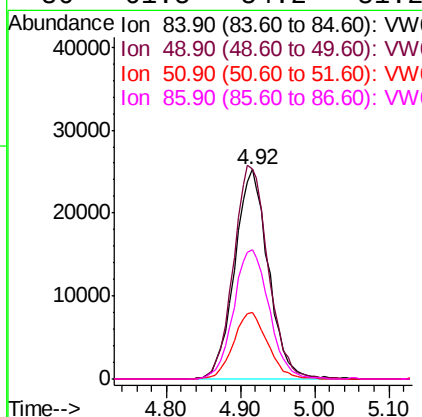
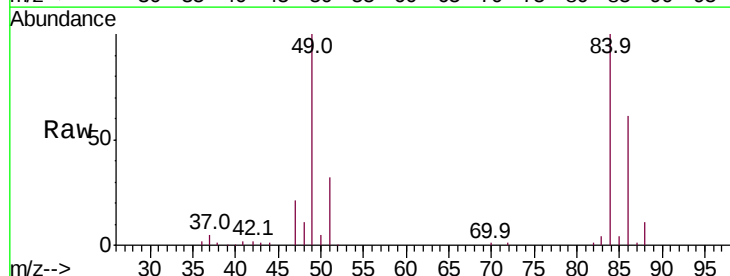
Tot Ion: 73 Resp: 116345
 Ion Ratio Lower Upper
 73 100
 57 19.2 15.0 22.6

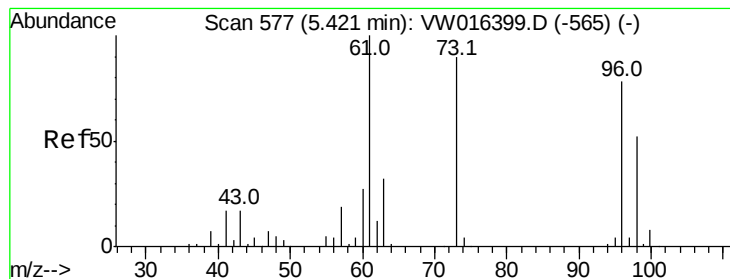


#20

Methylene Chloride
 Concen: 47.270 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: VW016428.D
 Acq: 31 Aug 2020 22:18

Tgt Ion: 84 Resp: 80003
 Ion Ratio Lower Upper
 84 100
 49 100.2 83.2 124.8
 51 31.7 24.4 36.6
 86 61.5 54.2 81.2





#21

trans-1,2-Dichloroethene

Concen: 49.761 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW016428.D

Acq: 31 Aug 2020 22:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

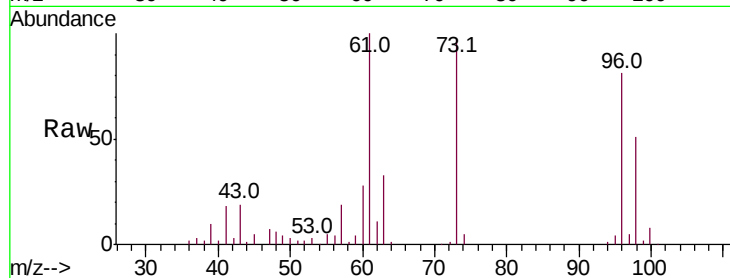
Tot Ion: 96 Resp: 83310

Ion Ratio Lower Upper

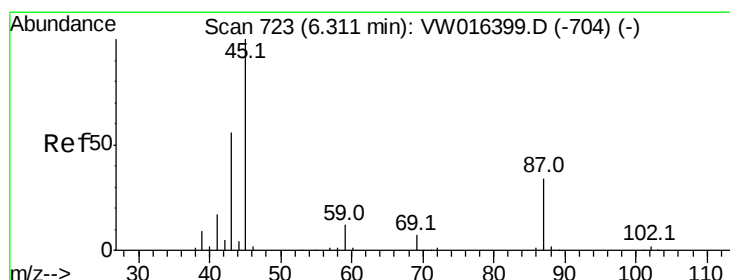
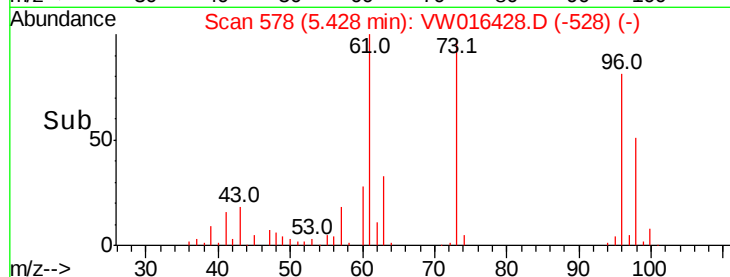
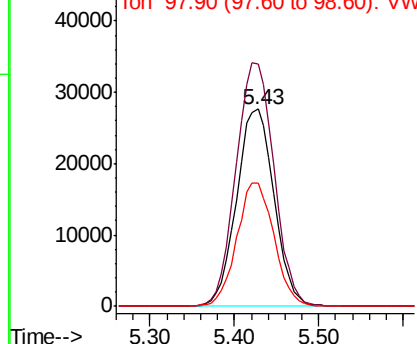
96 100

61 122.9 103.0 154.6

98 62.5 53.8 80.6



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



#22

Diisopropyl ether

Concen: 47.911 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW016428.D

Acq: 31 Aug 2020 22:18

Tgt Ion: 45 Resp: 177078

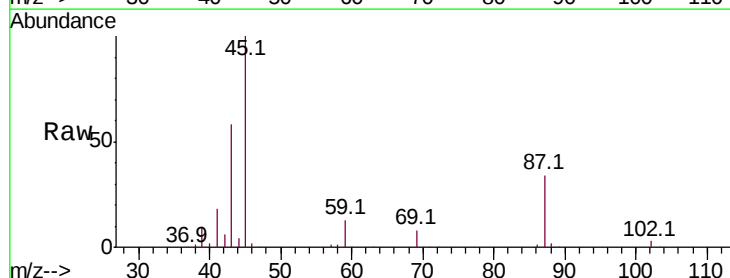
Ion Ratio Lower Upper

45 100

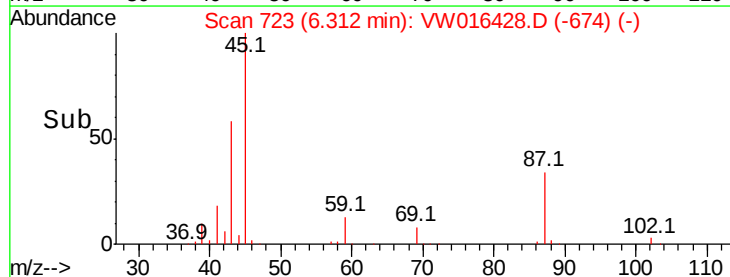
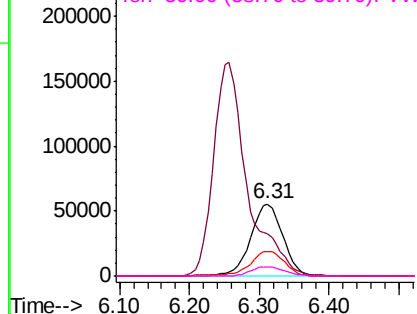
43 57.4 44.6 67.0

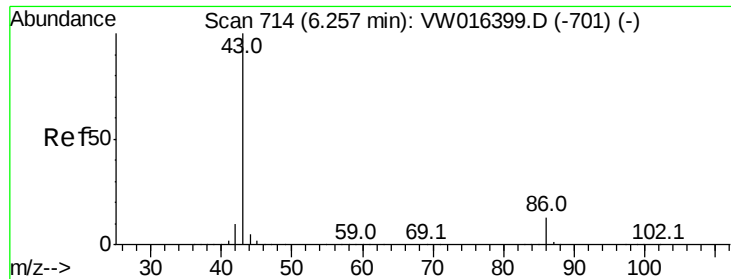
87 34.4 27.5 41.3

59 12.6 10.2 15.2



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





#23

Vinyl Acetate

Concen: 243.177 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW016428.D

Acq: 31 Aug 2020 22:18

Instrument :

MSVOA_W

ClientSampleId :

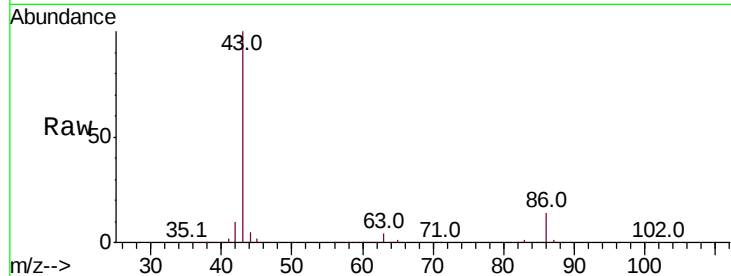
VSTDCCC050EC

Tot Ion: 43 Resp: 550798

Ion Ratio Lower Upper

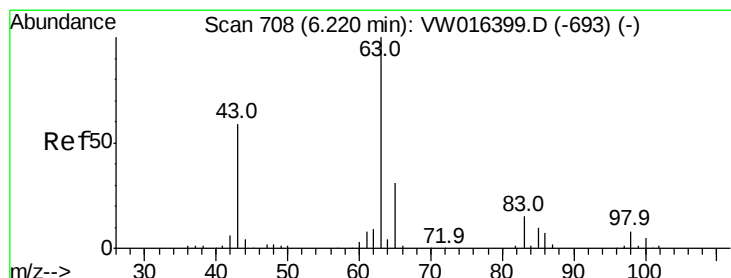
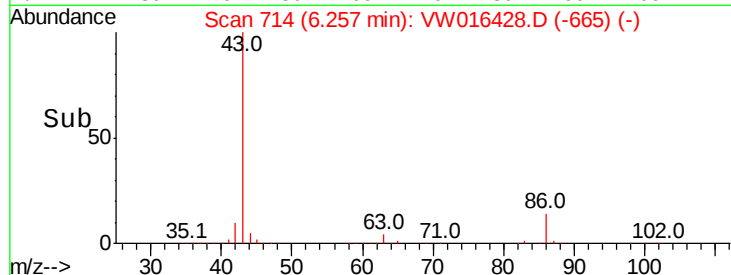
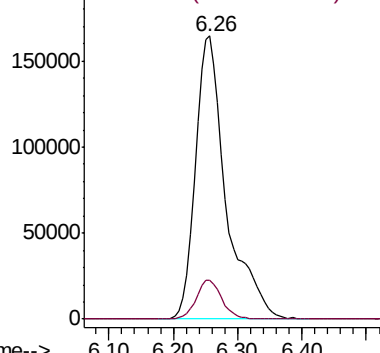
43 100

86 13.9 10.6 15.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 48.199 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW016428.D

Acq: 31 Aug 2020 22:18

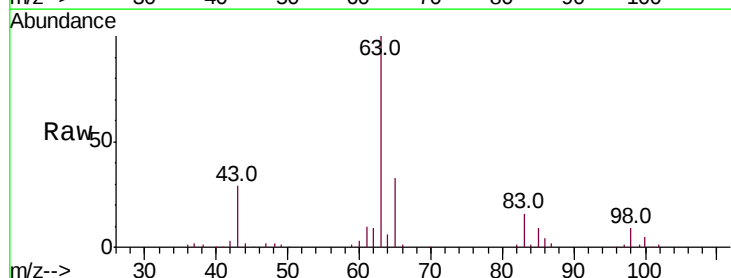
Tgt Ion: 63 Resp: 128436

Ion Ratio Lower Upper

63 100

98 8.9 3.8 11.2

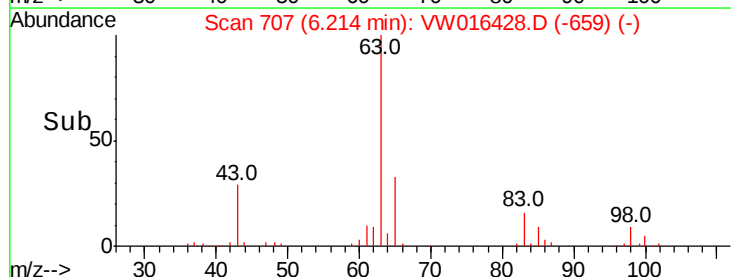
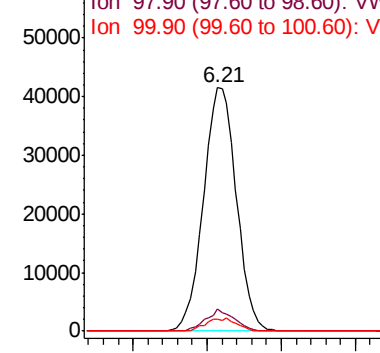
100 5.1 2.5 7.5

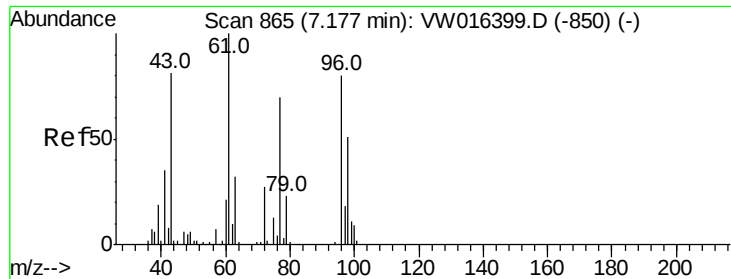


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 246.829 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW016428.D

Acq: 31 Aug 2020 22:18

Instrument :

MSVOA_W

ClientSampleId :

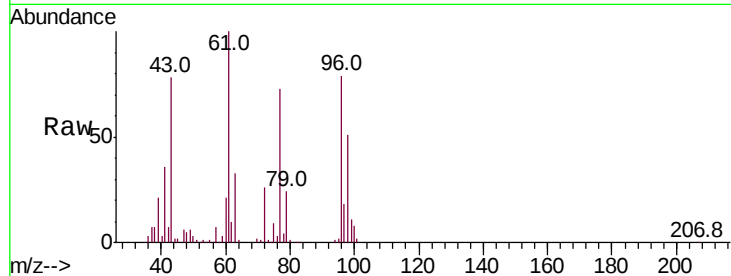
VSTDCCC050EC

Tot Ion: 43 Resp: 89353

Ion Ratio Lower Upper

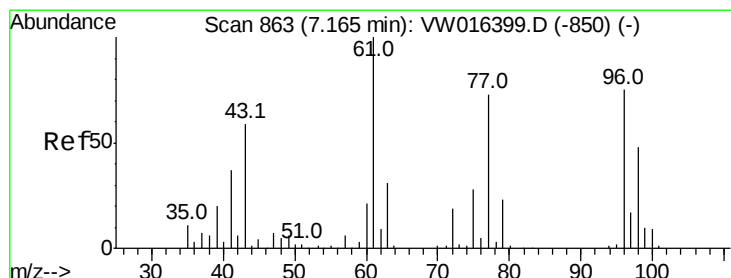
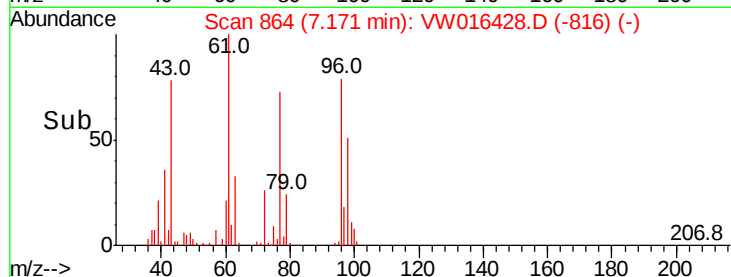
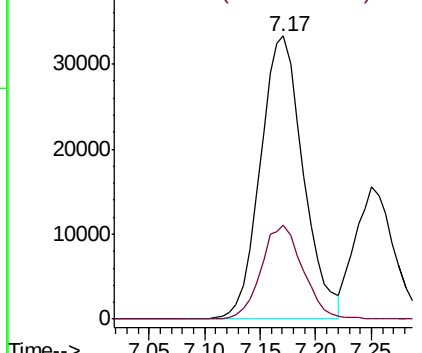
43 100

72 33.1 26.7 40.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 45.318 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW016428.D

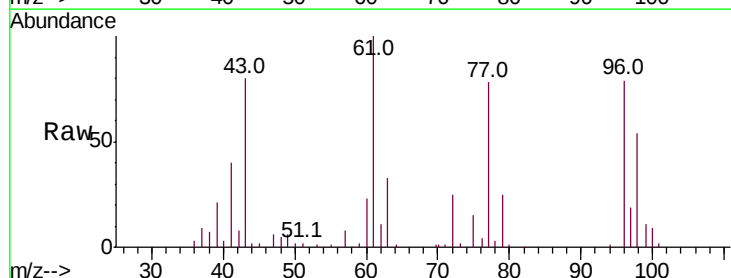
Acq: 31 Aug 2020 22:18

Tgt Ion: 77 Resp: 93265

Ion Ratio Lower Upper

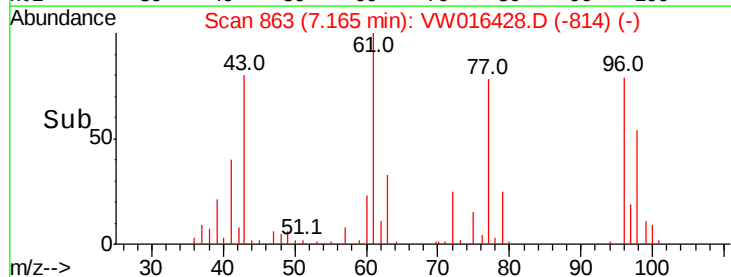
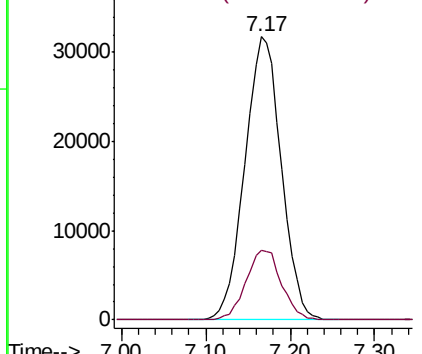
77 100

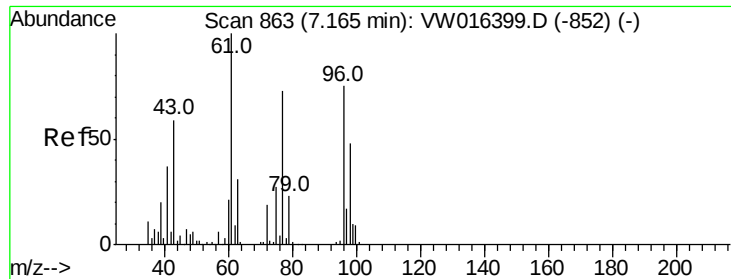
97 23.8 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



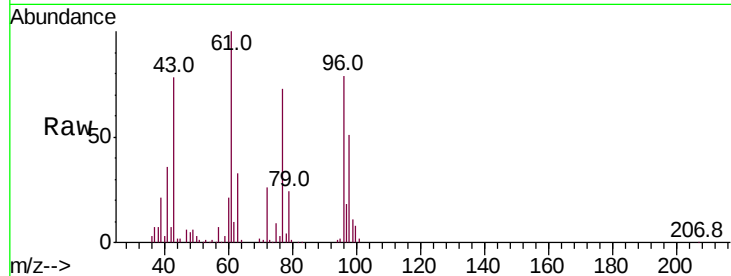


#27

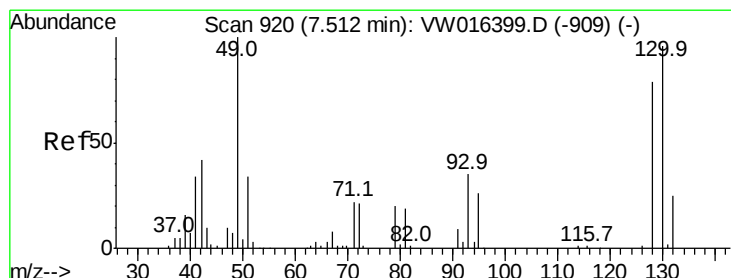
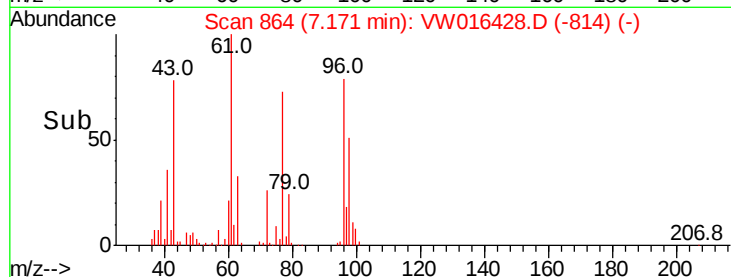
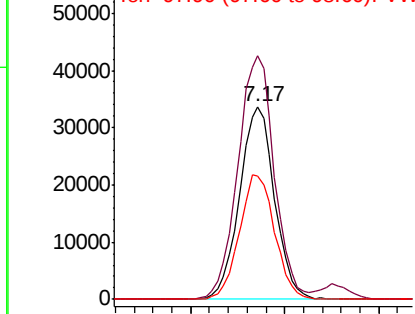
cis-1,2-Dichloroethene
Concen: 48.166 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW016428.D
Acq: 31 Aug 2020 22:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 96 Resp: 87367
Ion Ratio Lower Upper
96 100
61 132.0 0.0 268.6
98 65.3 0.0 130.0



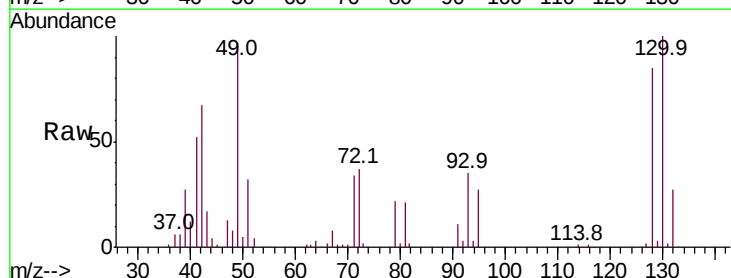
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



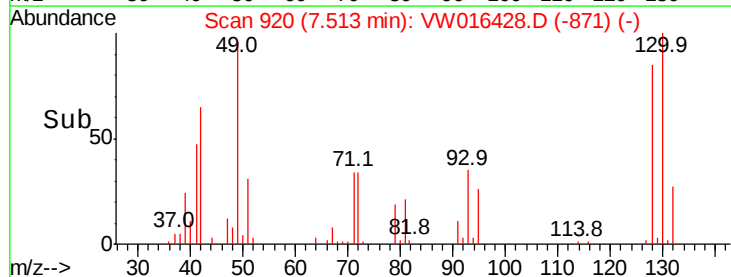
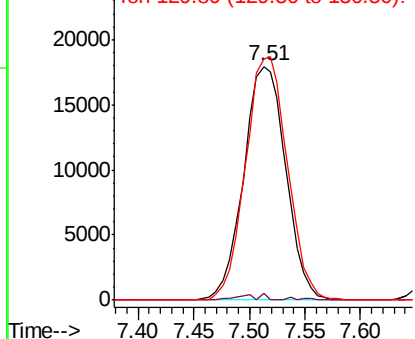
#28

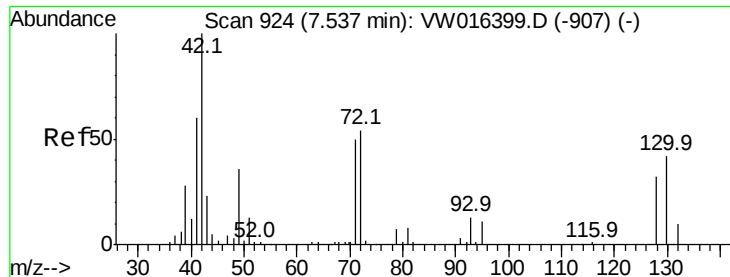
Bromochloromethane
Concen: 48.837 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW016428.D
Acq: 31 Aug 2020 22:18

Tgt Ion: 49 Resp: 47270
Ion Ratio Lower Upper
49 100
129 0.9 0.0 1.8
130 103.4 80.8 121.2



Abundance Ion 48.90 (48.60 to 49.60): VW
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 253.548 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.01 min

Lab File: VW016428.D

Acq: 31 Aug 2020 22:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

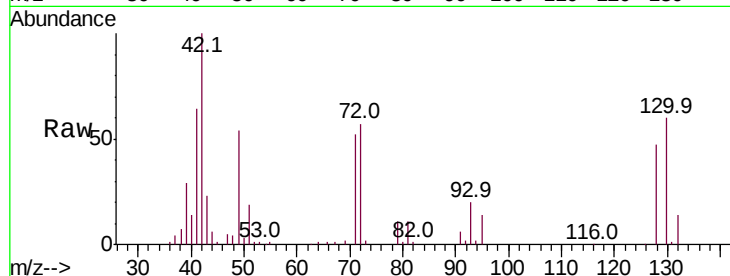
Tot Ion: 42 Resp: 54792

Ion Ratio Lower Upper

42 100

72 55.1 42.3 63.5

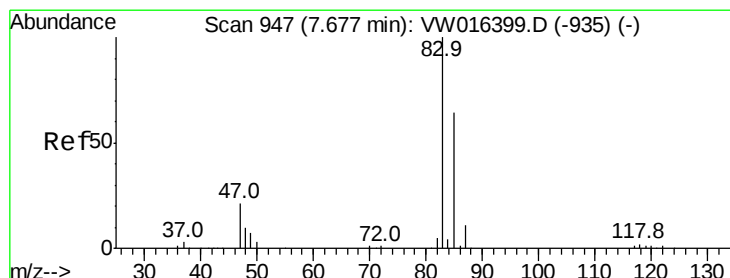
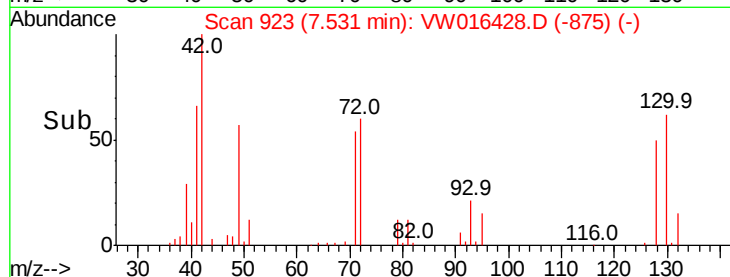
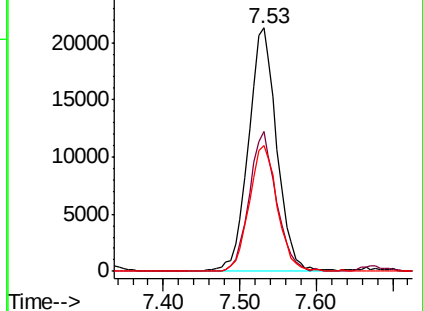
71 51.4 39.5 59.3



Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW



#30

Chloroform

Concen: 49.091 ug/l

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW016428.D

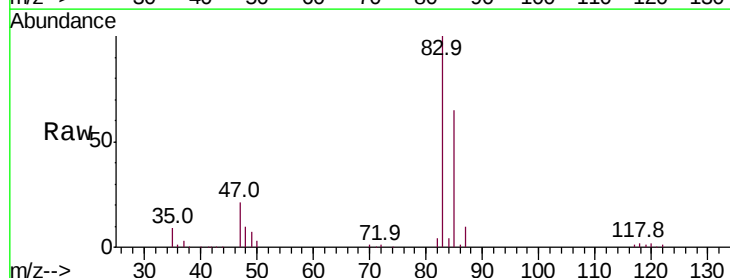
Acq: 31 Aug 2020 22:18

Tgt Ion: 83 Resp: 145310

Ion Ratio Lower Upper

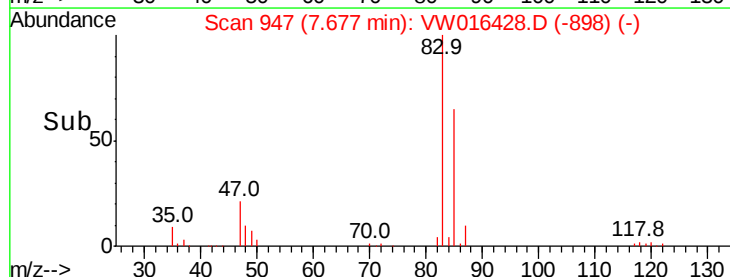
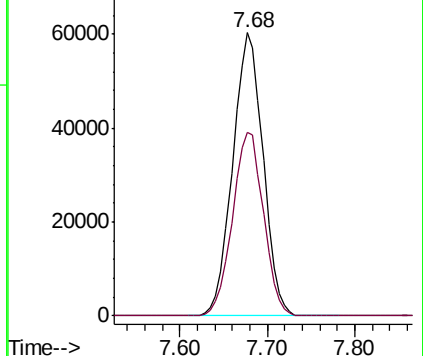
83 100

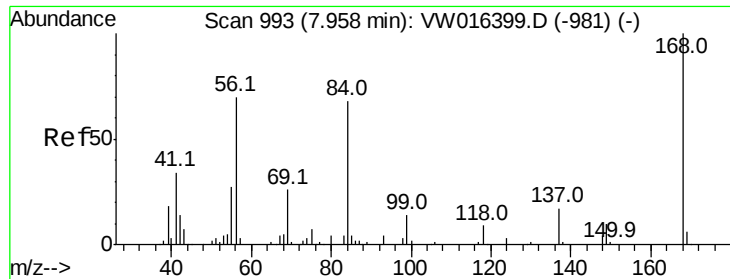
85 64.7 51.6 77.4



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

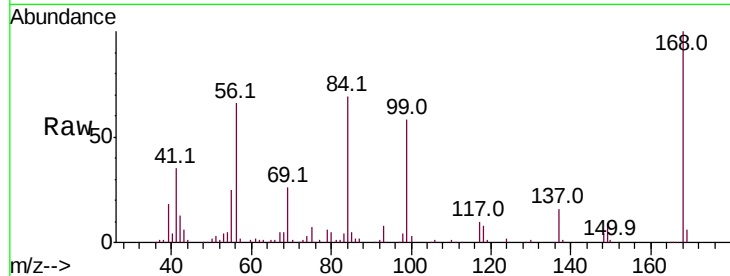




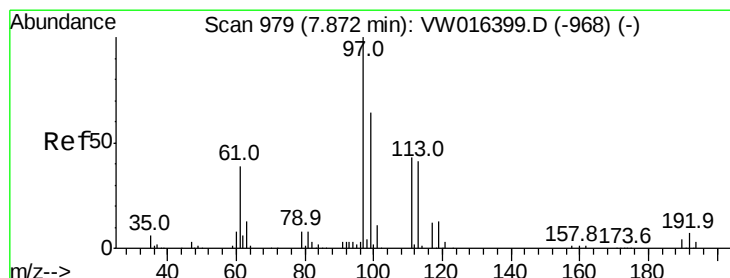
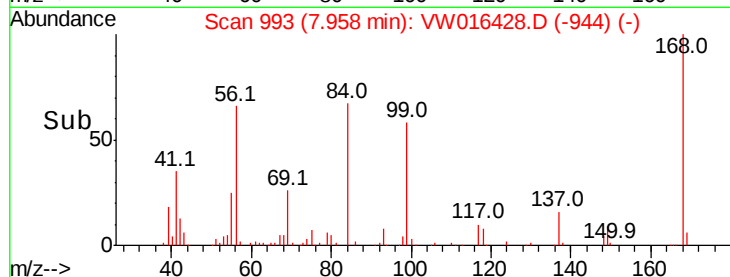
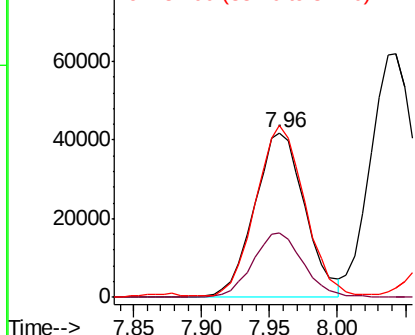
#31
Cyclohexane
Concen: 44.515 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW016428.D
Acq: 31 Aug 2020 22:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 108713
Ion Ratio Lower Upper
56 100
69 39.3 30.0 45.0
84 103.1 77.4 116.2

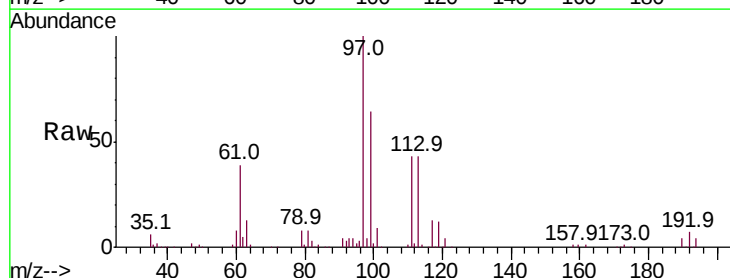


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

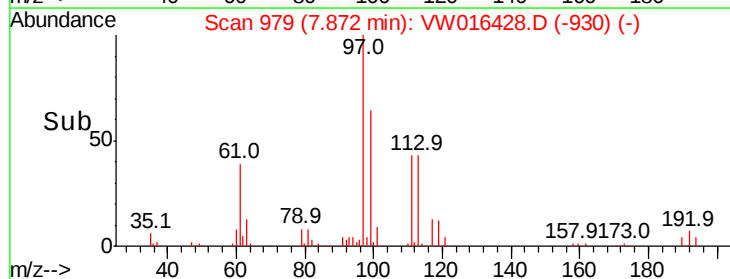
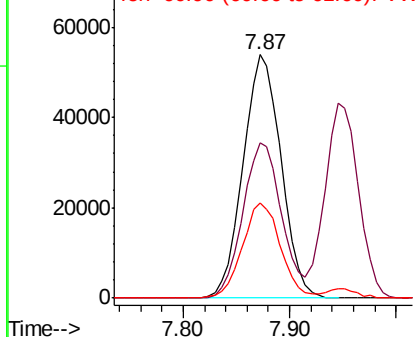


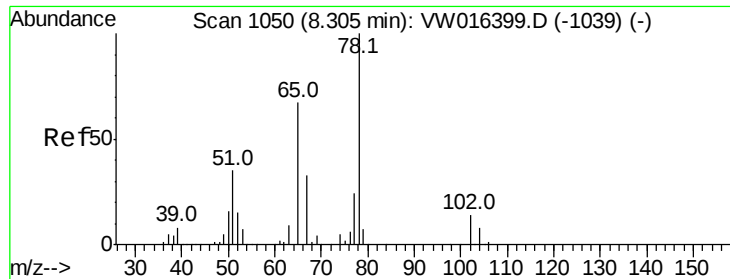
#32
1,1,1-Trichloroethane
Concen: 50.665 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW016428.D
Acq: 31 Aug 2020 22:18

Tgt Ion: 97 Resp: 135062
Ion Ratio Lower Upper
97 100
99 65.3 52.0 78.0
61 39.0 31.0 46.6



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: 54.106 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW016428.D

Acq: 31 Aug 2020 22:18

Instrument :

MSVOA_W

ClientSampleId :

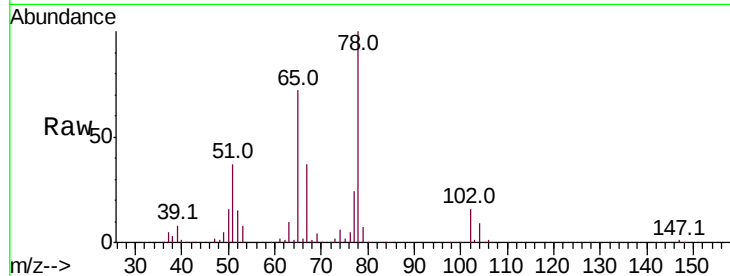
VSTDCCC050EC

Tot Ion: 65 Resp: 85012

Ion Ratio Lower Upper

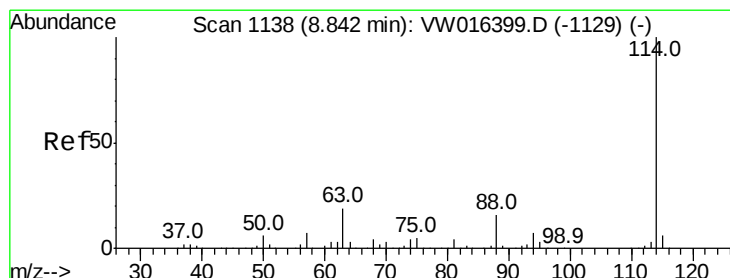
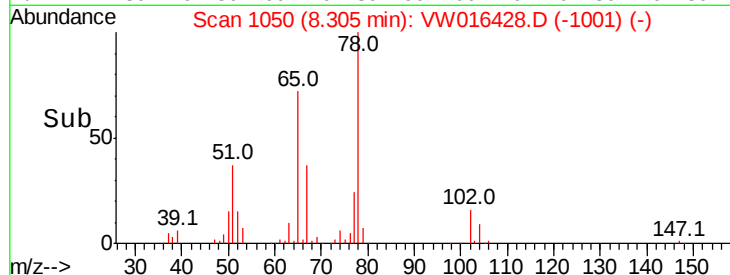
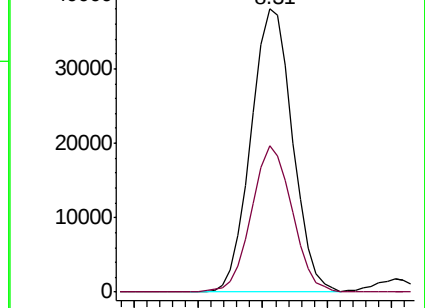
65 100

67 50.7 0.0 100.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW016428.D

Acq: 31 Aug 2020 22:18

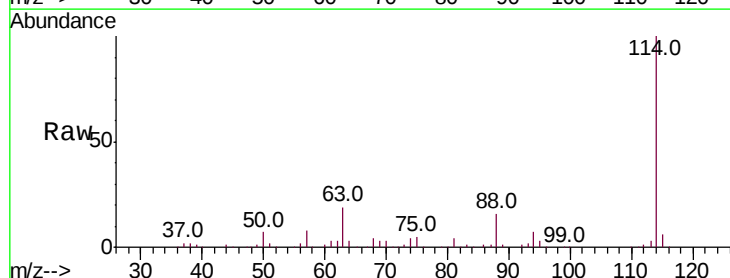
Tgt Ion: 114 Resp: 240565

Ion Ratio Lower Upper

114 100

63 19.4 0.0 37.8

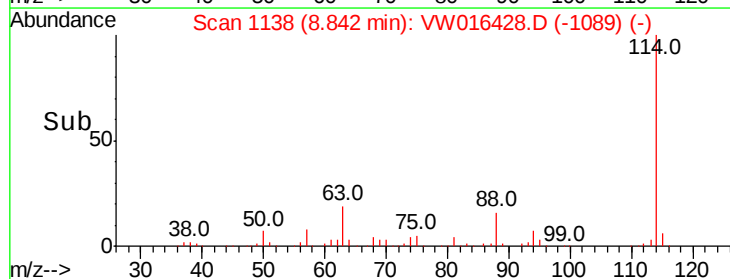
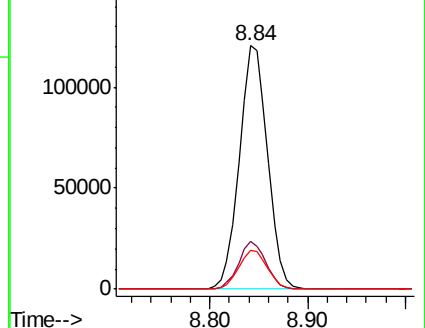
88 15.7 0.0 31.2

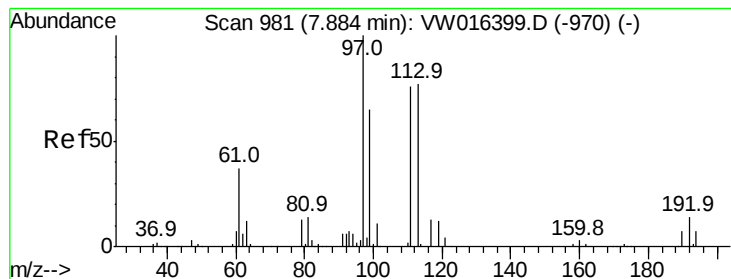


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 53.396 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW016428.D

Acq: 31 Aug 2020 22:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

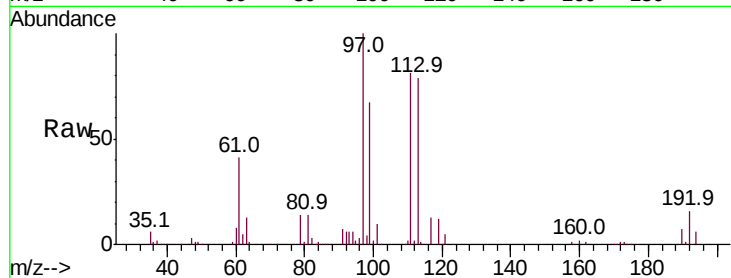
Tot Ion:113 Resp: 81307

Ion Ratio Lower Upper

113 100

111 102.2 82.1 123.1

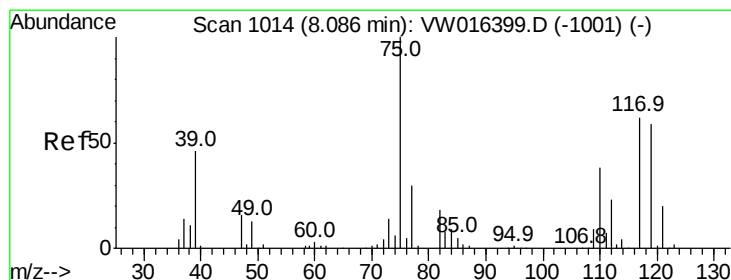
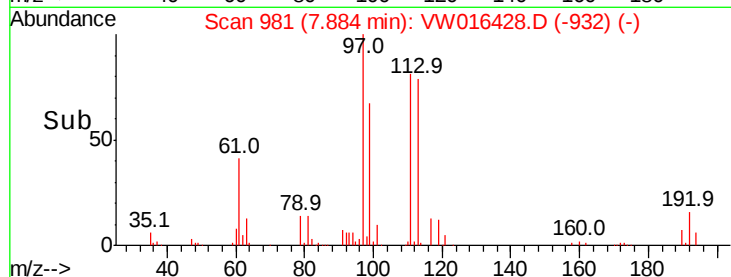
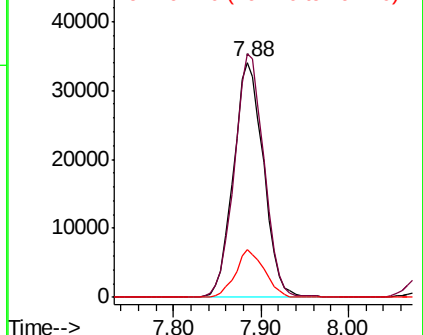
192 19.5 15.5 23.3



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 49.127 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VW016428.D

Acq: 31 Aug 2020 22:18

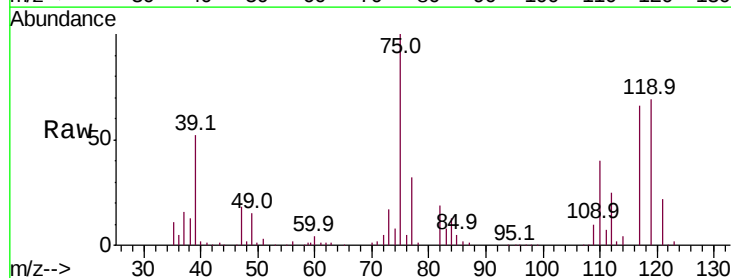
Tgt Ion: 75 Resp: 112471

Ion Ratio Lower Upper

75 100

110 37.2 18.6 56.0

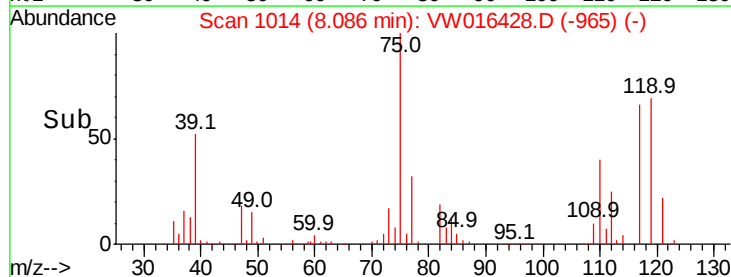
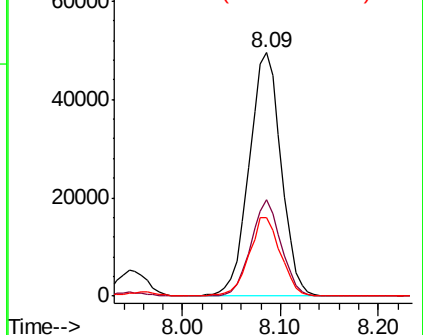
77 31.7 25.1 37.7

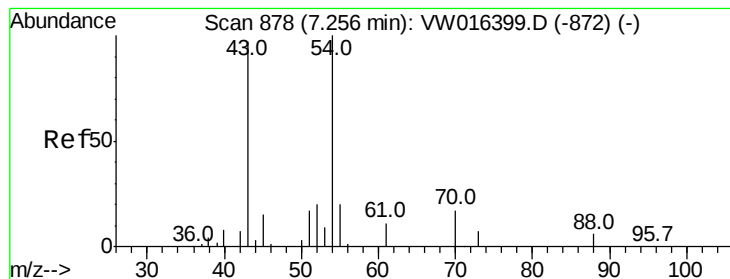


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 49.823 ug/l

RT: 7.25 min Scan# 877

Delta R.T. -0.01 min

Lab File: VW016428.D

Acq: 31 Aug 2020 22:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

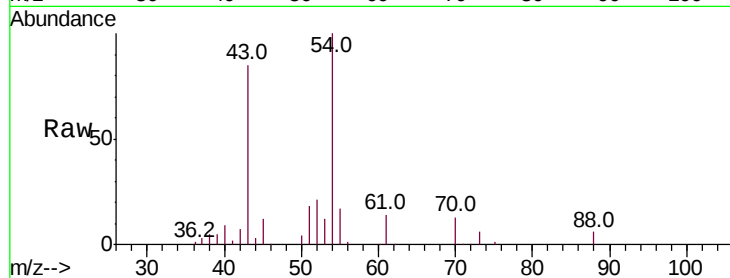
Tot Ion: 43 Resp: 38642

Ion Ratio Lower Upper

43 100

61 15.0 11.5 17.3

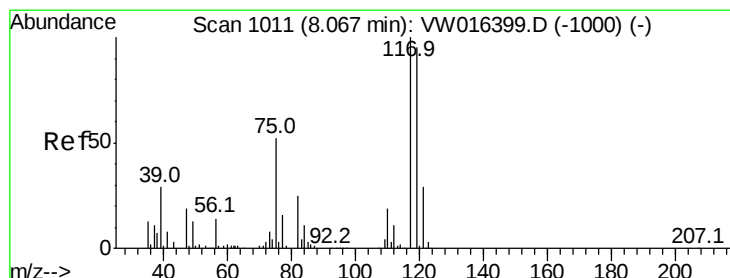
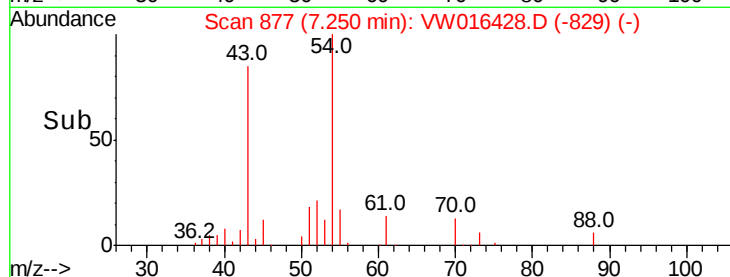
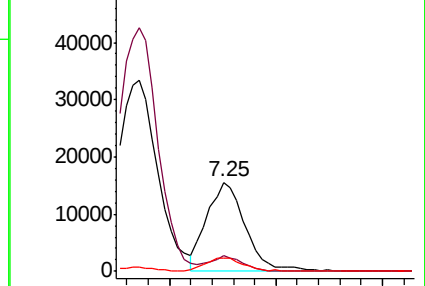
70 14.8 10.7 16.1



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: 50.752 ug/l

RT: 8.07 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VW016428.D

Acq: 31 Aug 2020 22:18

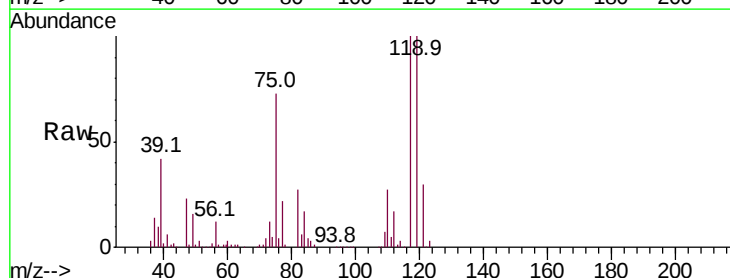
Tgt Ion: 117 Resp: 127319

Ion Ratio Lower Upper

117 100

119 99.7 76.3 114.5

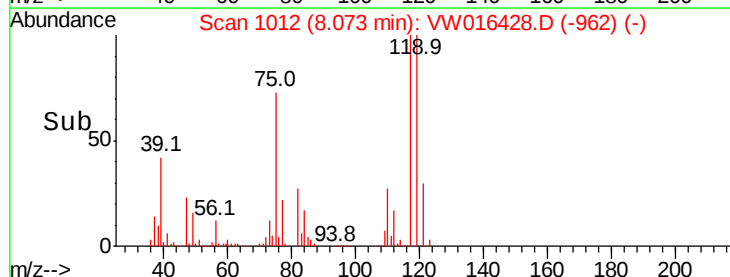
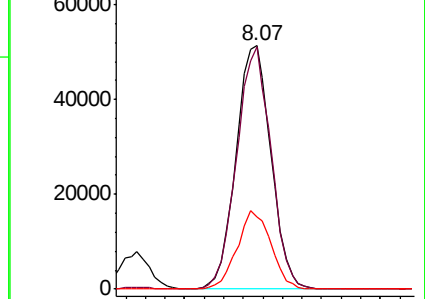
121 29.9 23.0 34.6

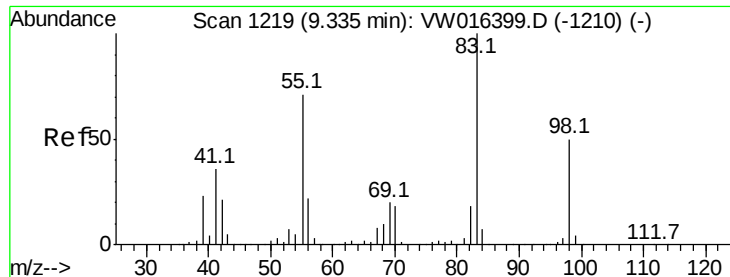


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

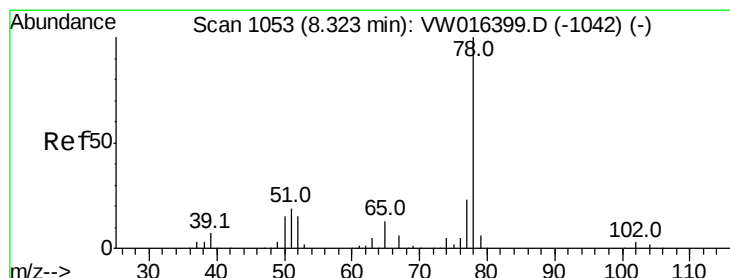
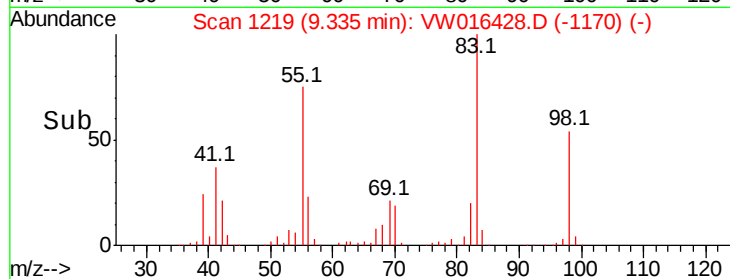
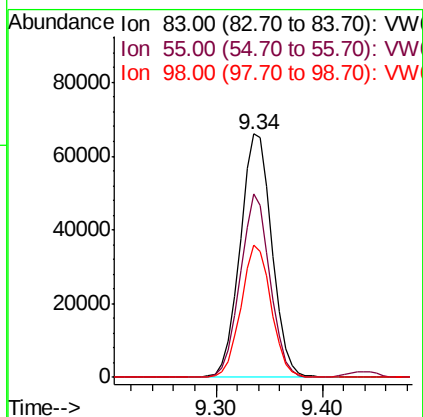
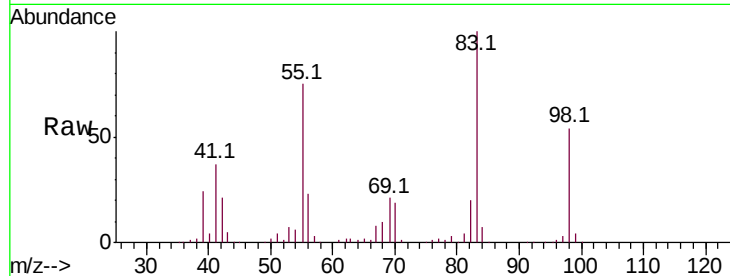




#39
Methvlcvclohexane
Concen: 49.862 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW016428.D
Acq: 31 Aug 2020 22:18

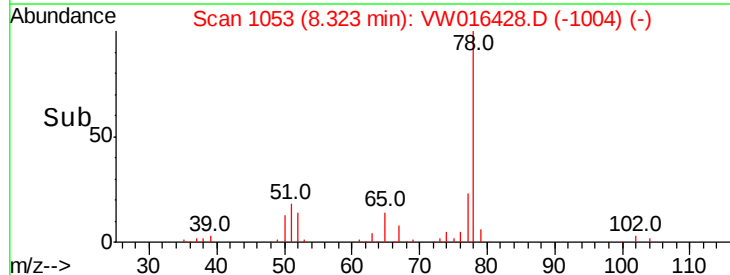
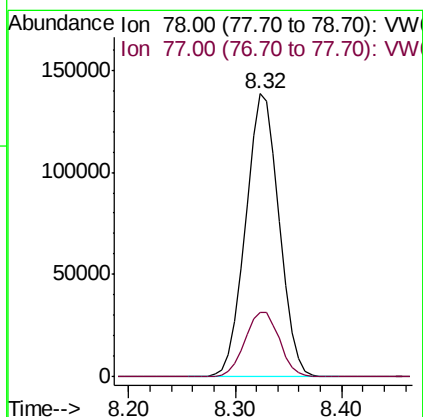
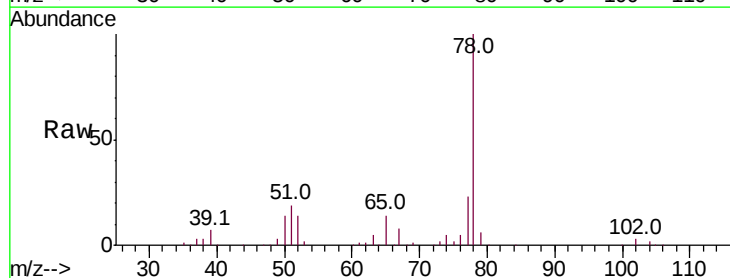
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

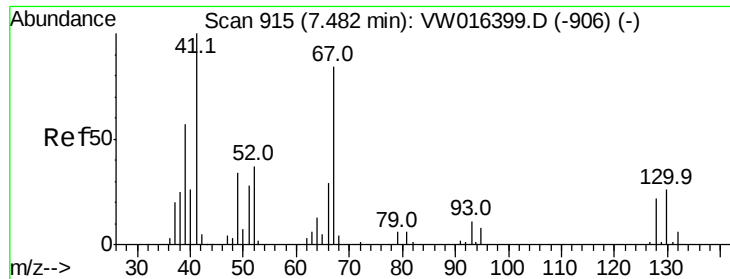
Tot Ion: 83 Resp: 138222
Ion Ratio Lower Upper
83 100
55 75.3 57.0 85.6
98 54.3 39.9 59.9



#40
Benzene
Concen: 49.881 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW016428.D
Acq: 31 Aug 2020 22:18

Tgt Ion: 78 Resp: 305736
Ion Ratio Lower Upper
78 100
77 23.0 18.6 27.8

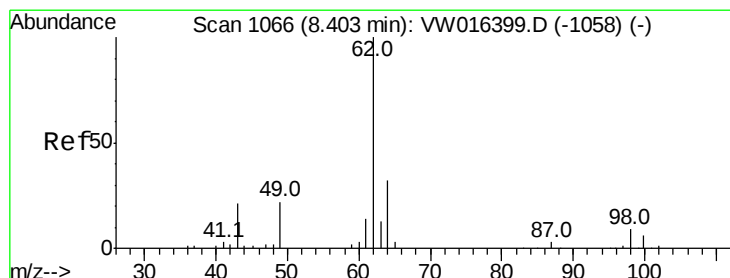
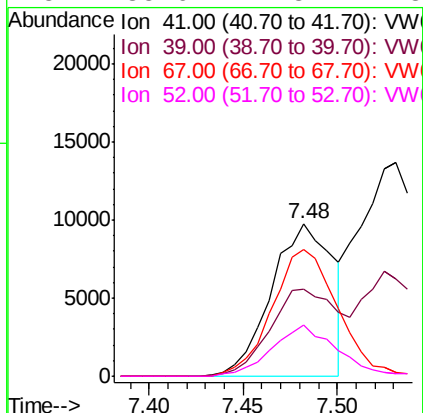
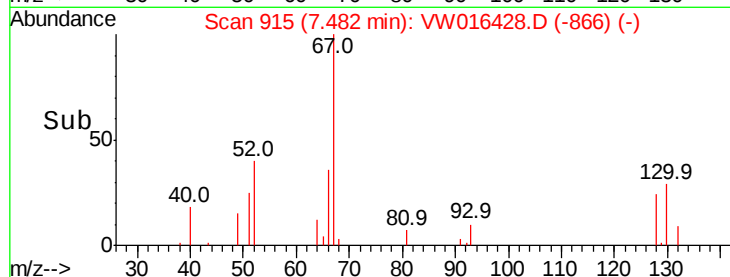
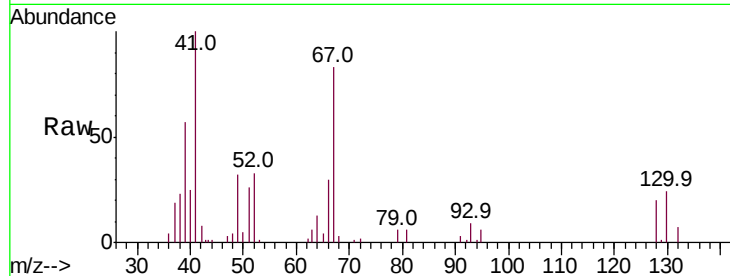




#41
Methacrylonitrile
Concen: 49.649 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW016428.D
Acq: 31 Aug 2020 22:18

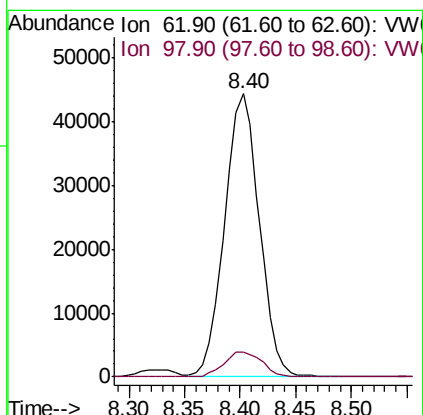
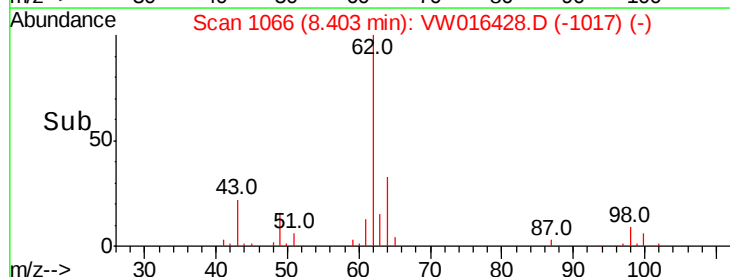
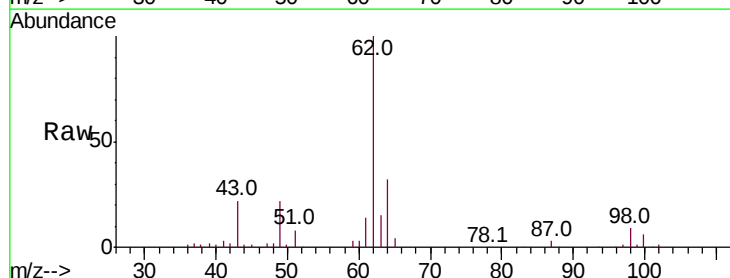
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

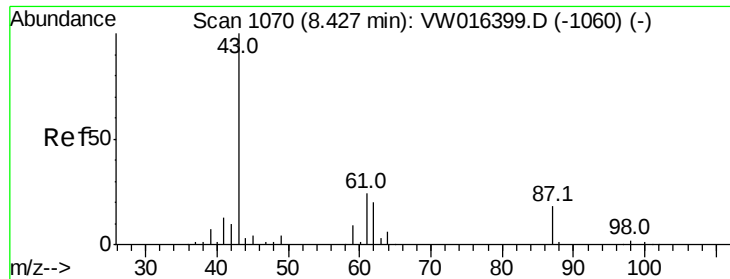
Tot Ion:	41	Resp:	22171
Ion	Ratio	Lower	Upper
41	100		
39	64.9	45.4	68.2
67	88.2	65.8	98.6
52	35.6	27.8	41.8



#42
1,2-Dichloroethane
Concen: 51.212 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW016428.D
Acq: 31 Aug 2020 22:18

Tgt Ion:	62	Resp:	95745
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.8





#43

Isopropyl Acetate

Concen: 49.458 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW016428.D

Acq: 31 Aug 2020 22:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

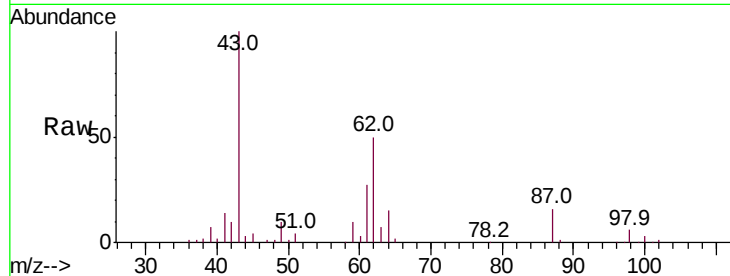
Tot Ion: 43 Resp: 76549

Ion Ratio Lower Upper

43 100

61 33.5 27.5 41.3

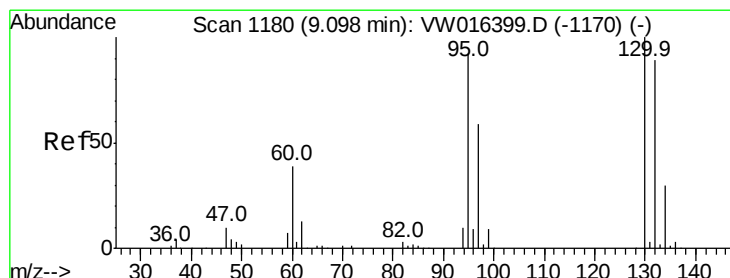
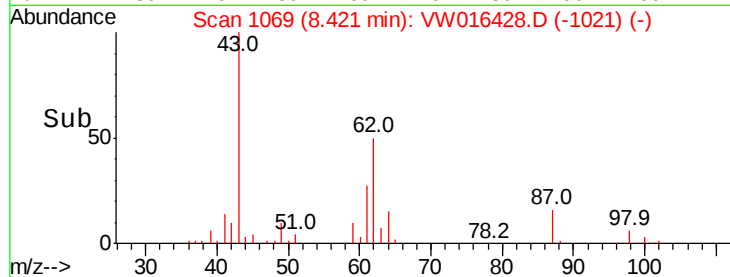
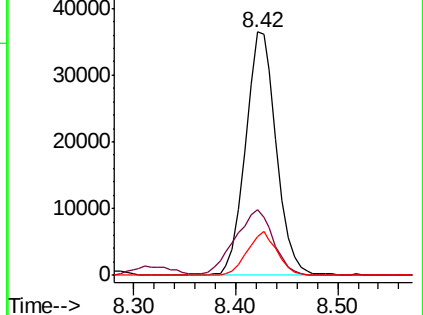
87 17.4 13.5 20.3



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: 49.806 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VW016428.D

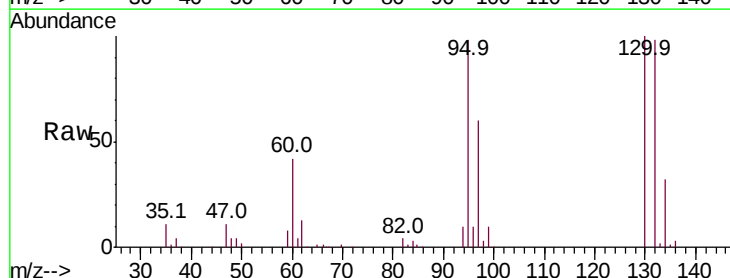
Acq: 31 Aug 2020 22:18

Tgt Ion: 130 Resp: 91342

Ion Ratio Lower Upper

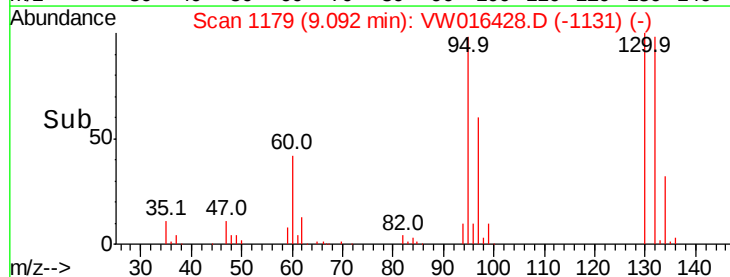
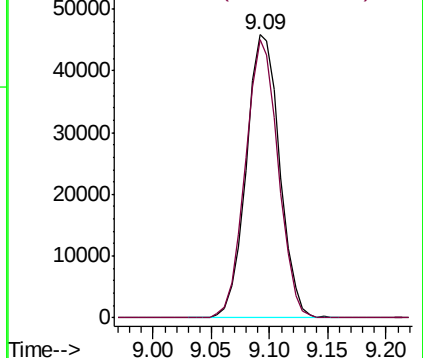
130 100

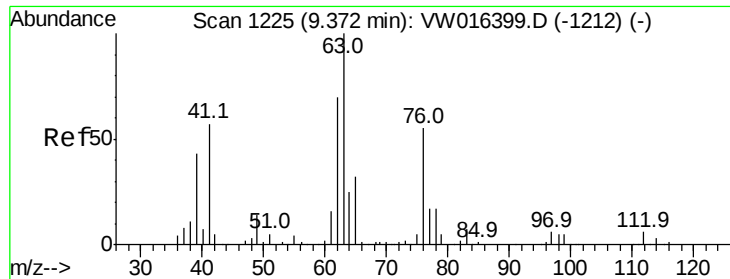
95 98.5 0.0 183.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 47.678 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VW016428.D

Acq: 31 Aug 2020 22:18

Instrument :

MSVOA_W

ClientSampleId :

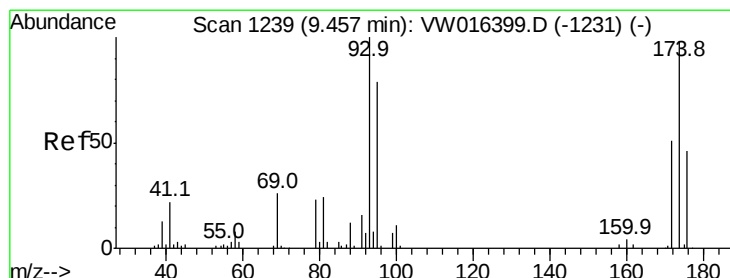
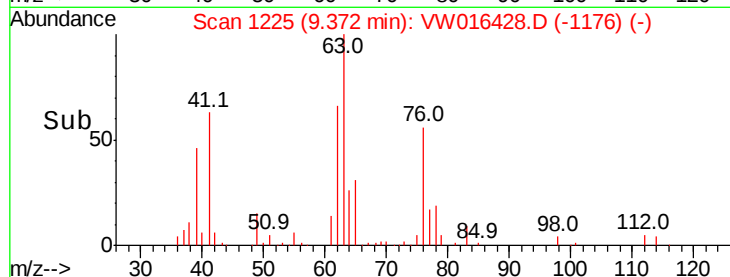
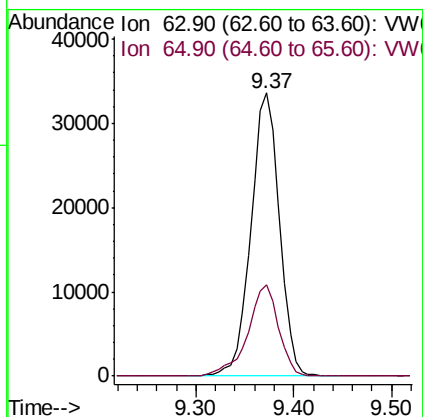
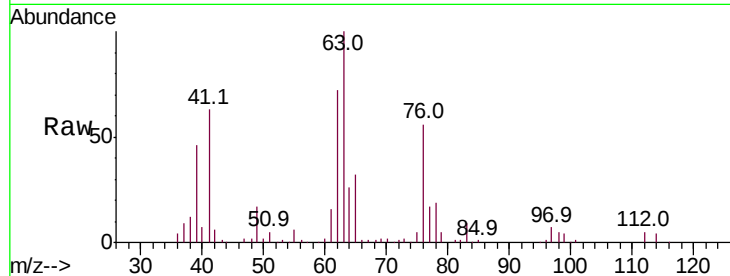
VSTDCCC050EC

Tot Ion: 63 Resp: 67794

Ion Ratio Lower Upper

63 100

65 32.1 25.4 38.0



#46

Dibromomethane

Concen: 50.409 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.01 min

Lab File: VW016428.D

Acq: 31 Aug 2020 22:18

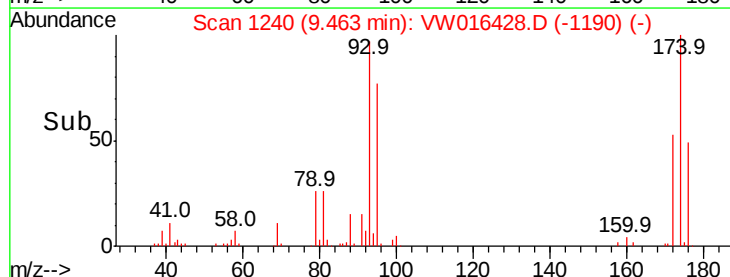
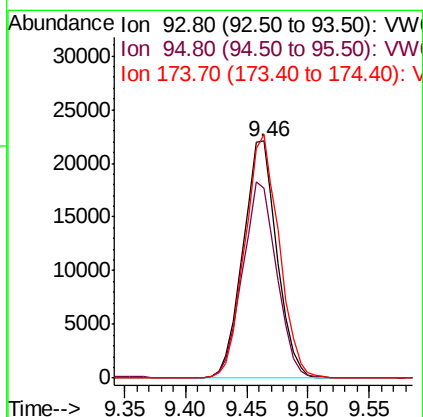
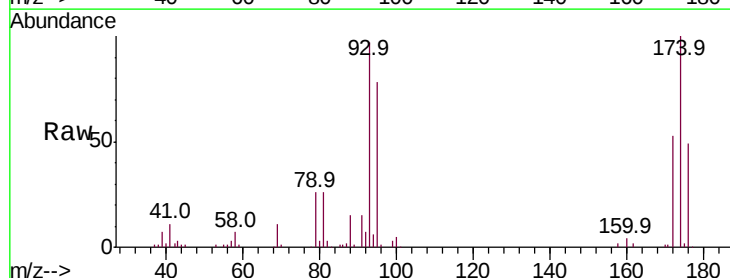
Tgt Ion: 93 Resp: 42586

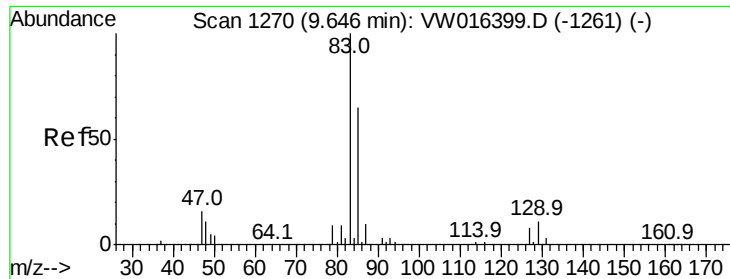
Ion Ratio Lower Upper

93 100

95 83.0 65.3 97.9

174 103.4 80.1 120.1





#47

Bromodichloromethane

Concen: 50.396 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW016428.D

Acq: 31 Aug 2020 22:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

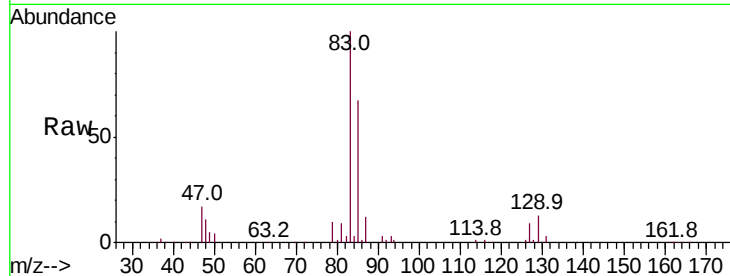
Tot Ion: 83 Resp: 109804

Ion Ratio Lower Upper

83 100

85 67.0 52.2 78.2

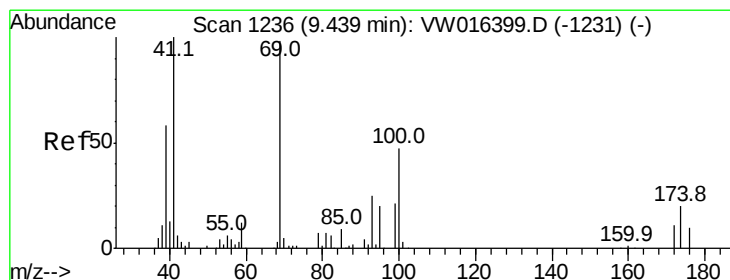
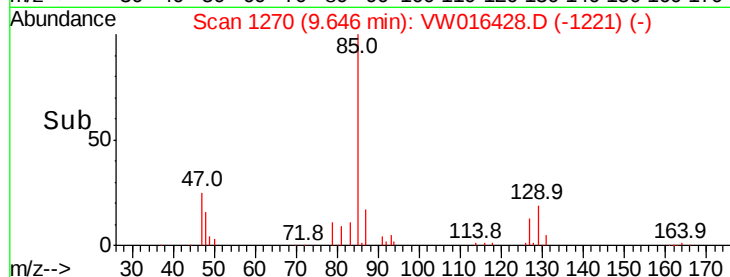
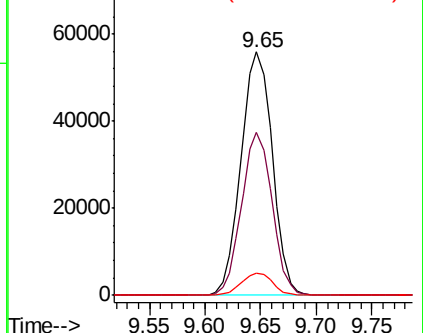
127 9.0 6.8 10.2



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: 49.655 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VW016428.D

Acq: 31 Aug 2020 22:18

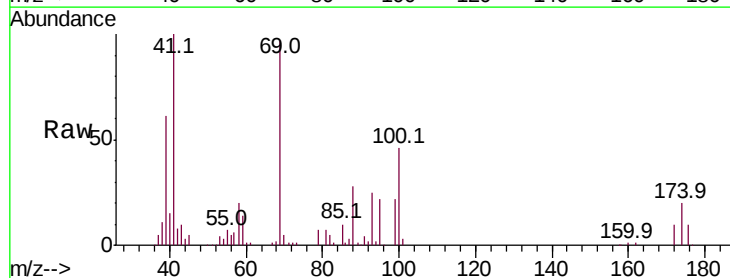
Tgt Ion: 41 Resp: 36642

Ion Ratio Lower Upper

41 100

69 101.6 83.5 125.3

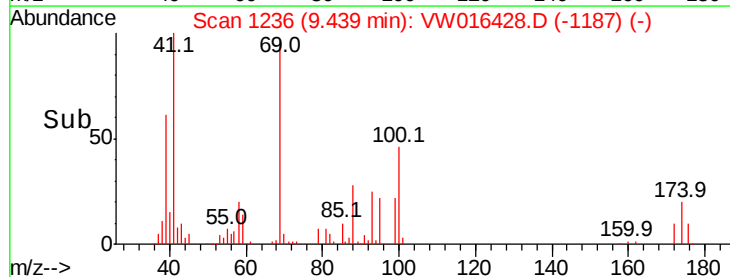
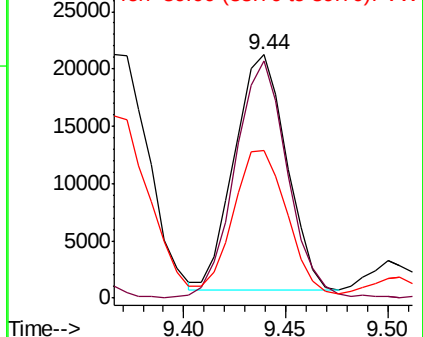
39 62.1 48.7 73.1

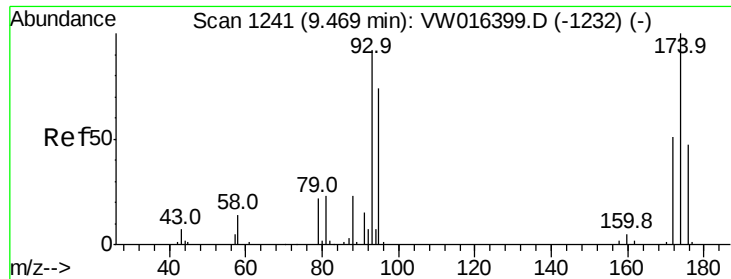


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 1222.499 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.02 min

Lab File: VW016428.D

Acq: 31 Aug 2020 22:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

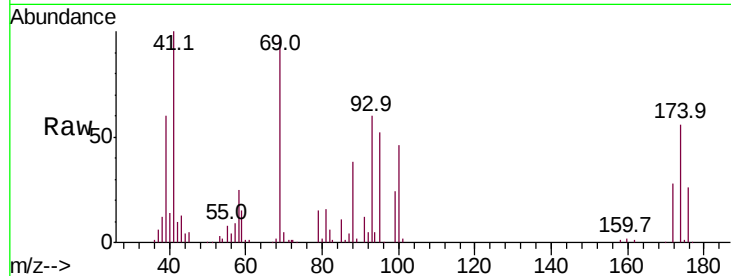
Tot Ion: 88 Resp: 14068

Ion Ratio Lower Upper

88 100

43 29.7 0.0 0.0#

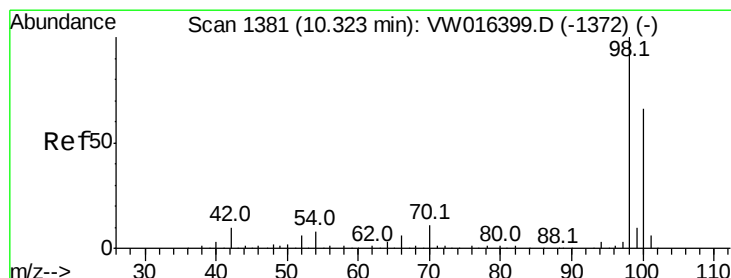
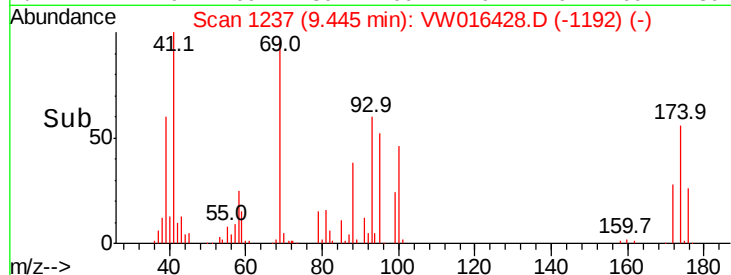
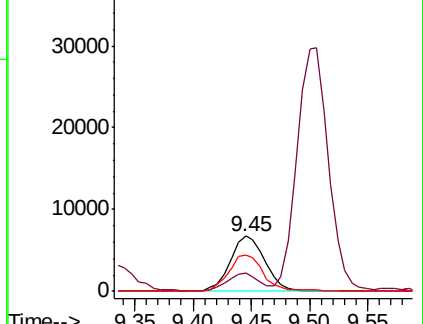
58 66.0 53.5 80.3



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: 53.635 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.01 min

Lab File: VW016428.D

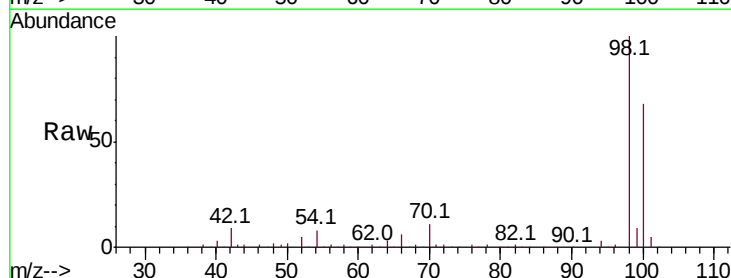
Acq: 31 Aug 2020 22:18

Tgt Ion: 98 Resp: 305827

Ion Ratio Lower Upper

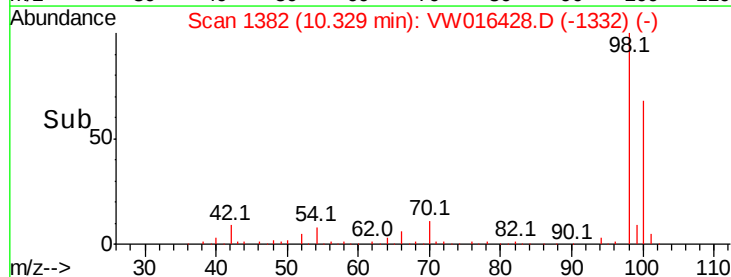
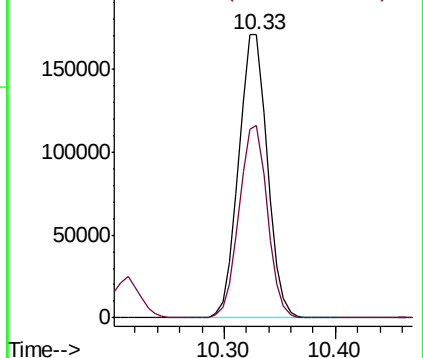
98 100

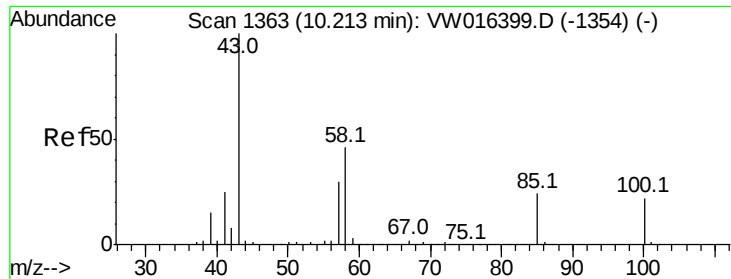
100 67.0 52.6 78.8



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: 255.614 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW016428.D

Acq: 31 Aug 2020 22:18

Instrument :

MSVOA_W

ClientSampleId :

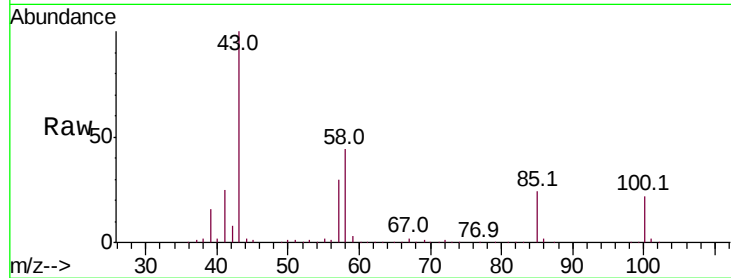
VSTDCCC050EC

Tot Ion: 43 Resp: 195624

Ion Ratio Lower Upper

43 100

58 44.4 35.4 53.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

120000

100000

80000

60000

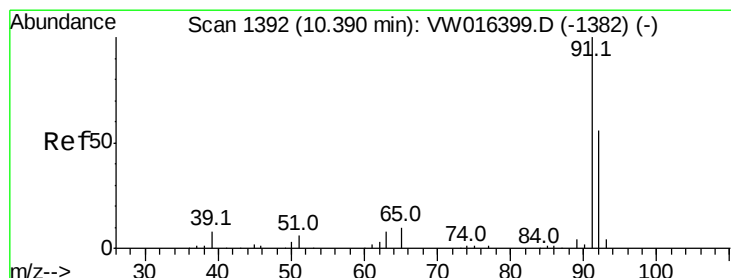
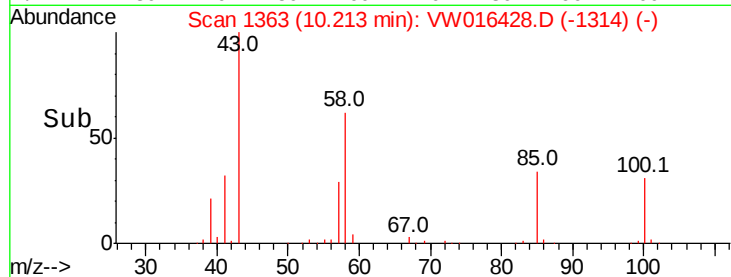
40000

20000

0

Time-->

10.10 10.20 10.30



#52

Toluene

Concen: 50.536 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016428.D

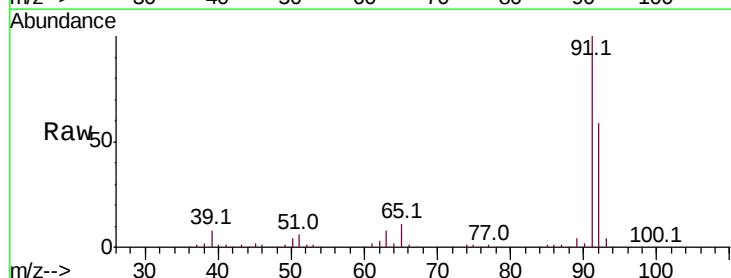
Acq: 31 Aug 2020 22:18

Tgt Ion: 92 Resp: 207677

Ion Ratio Lower Upper

92 100

91 169.6 137.1 205.7



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

10.39

200000

150000

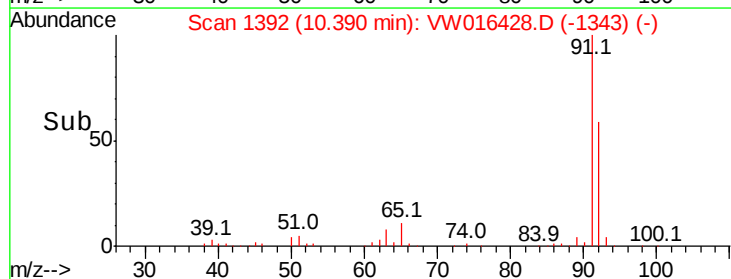
100000

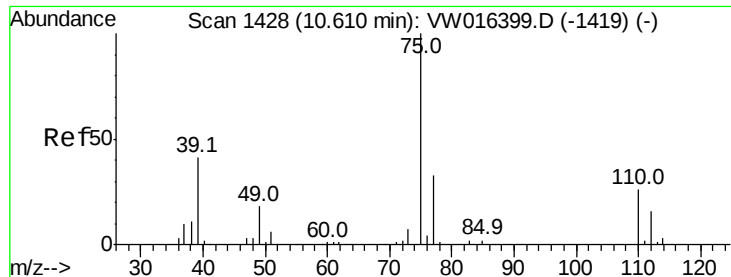
50000

0

Time-->

10.30 10.40 10.50

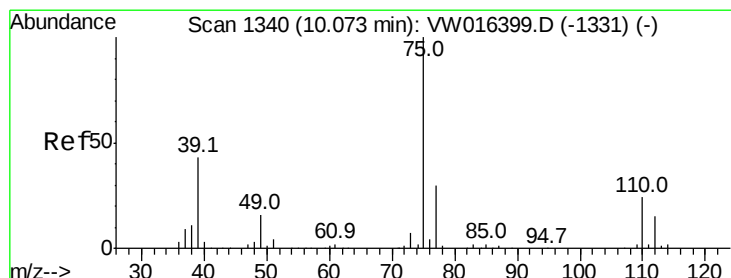
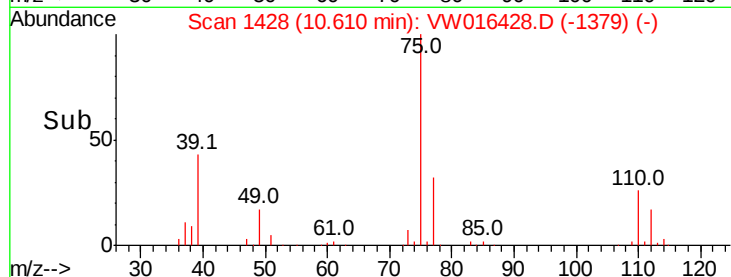
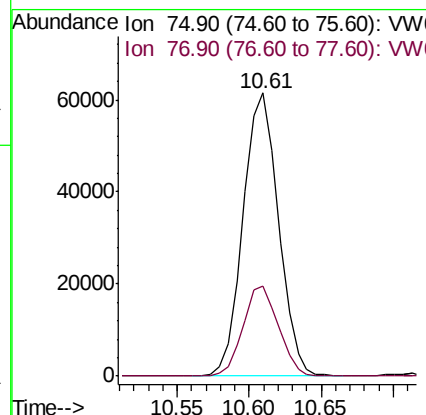
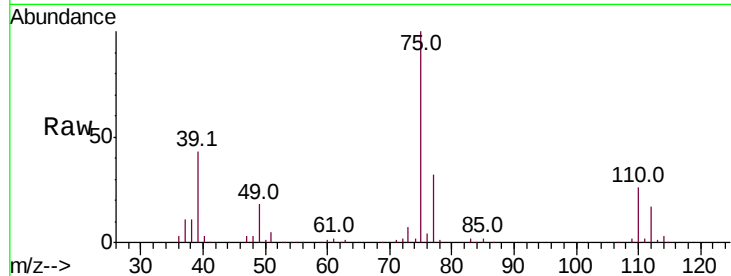




#53
t-1,3-Dichloropropene
Concen: 49.574 ug/l
RT: 10.61 min Scan# 1428
Delta R.T. 0.00 min
Lab File: VW016428.D
Acq: 31 Aug 2020 22:18

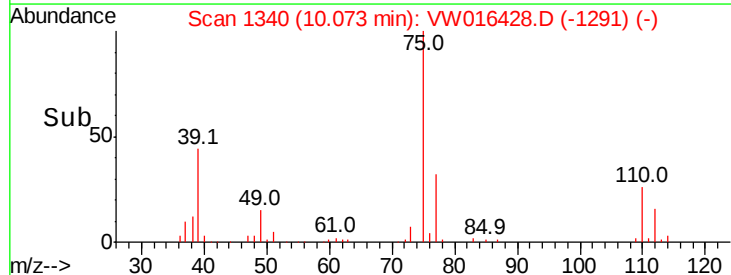
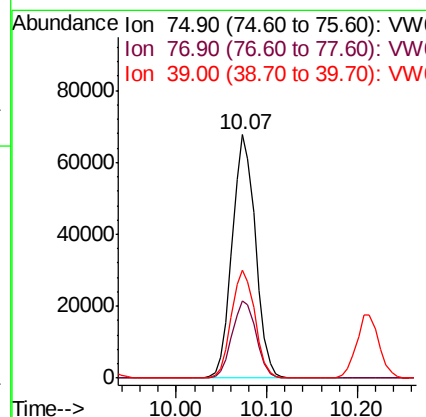
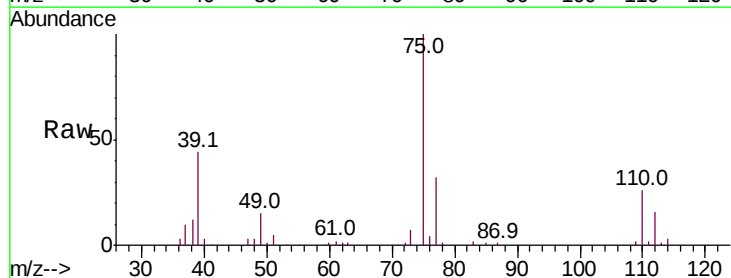
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

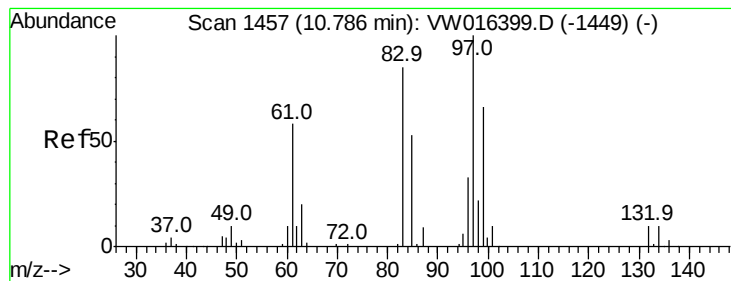
Tot Ion: 75 Resp: 105045
Ion Ratio Lower Upper
75 100
77 32.0 26.1 39.1



#54
cis-1,3-Dichloropropene
Concen: 48.827 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW016428.D
Acq: 31 Aug 2020 22:18

Tgt Ion: 75 Resp: 120552
Ion Ratio Lower Upper
75 100
77 31.8 24.4 36.6
39 44.4 34.6 51.8





#55

1,1,2-Trichloroethane

Concen: 49.357 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW016428.D

Acq: 31 Aug 2020 22:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 59451

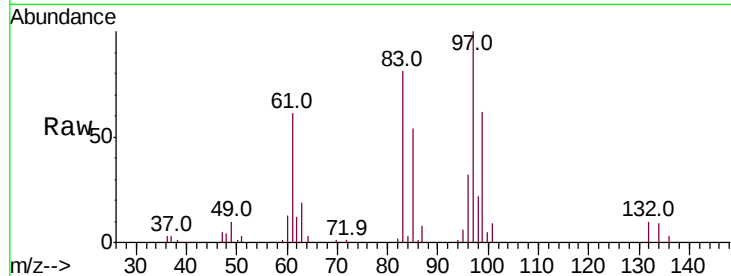
Ion Ratio Lower Upper

97 100

83 81.2 68.0 102.0

85 54.4 42.2 63.2

99 62.3 52.6 78.8



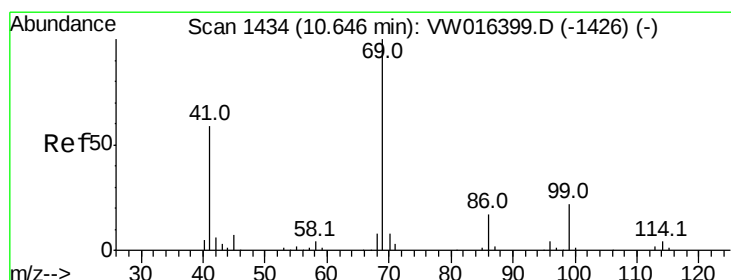
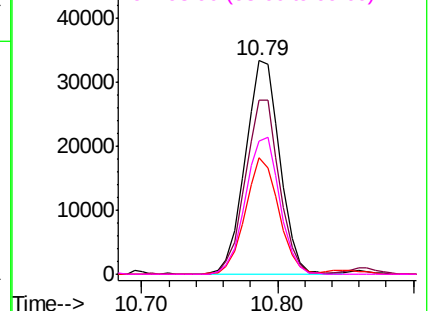
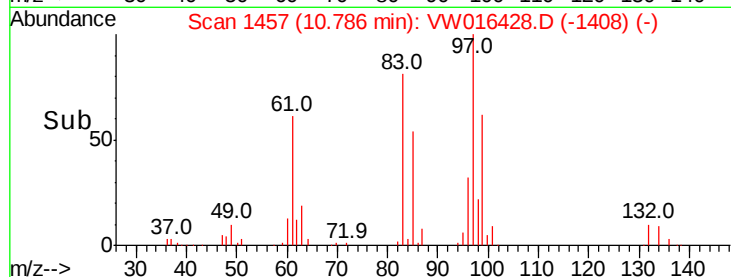
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 51.187 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW016428.D

Acq: 31 Aug 2020 22:18

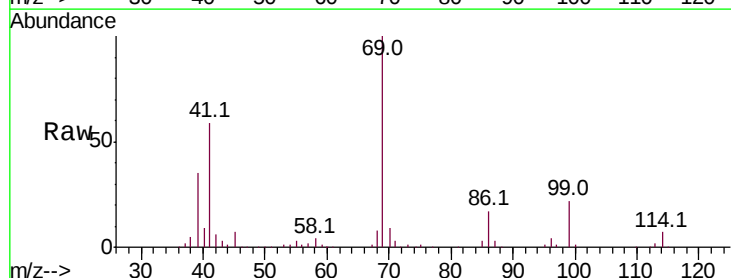
Tgt Ion: 69 Resp: 72049

Ion Ratio Lower Upper

69 100

41 57.5 46.5 69.7

39 33.4 26.2 39.2

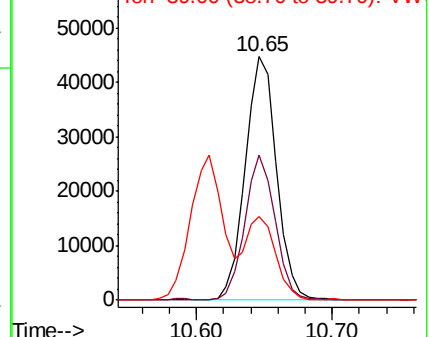
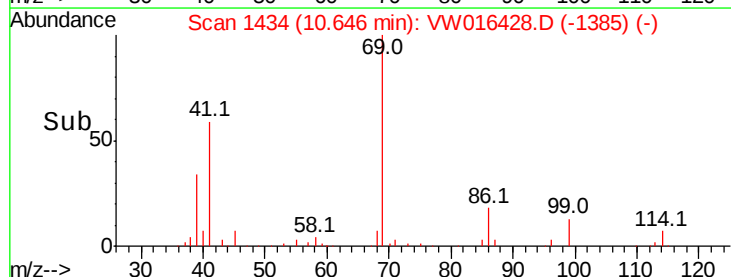


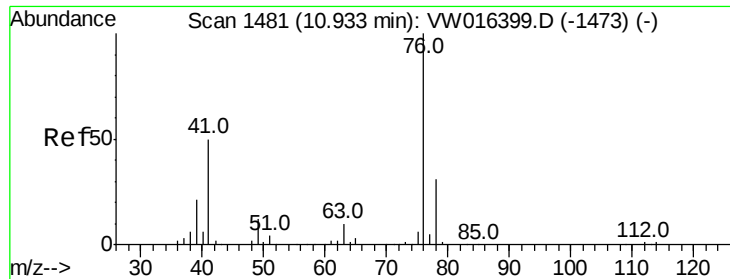
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

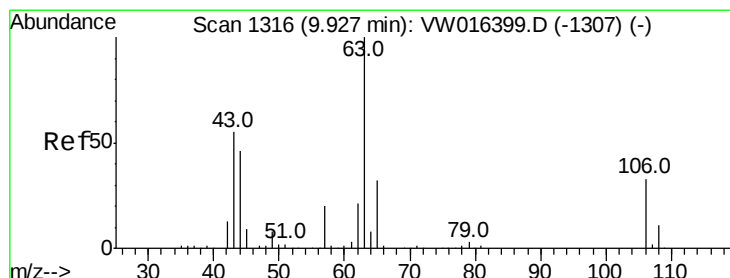
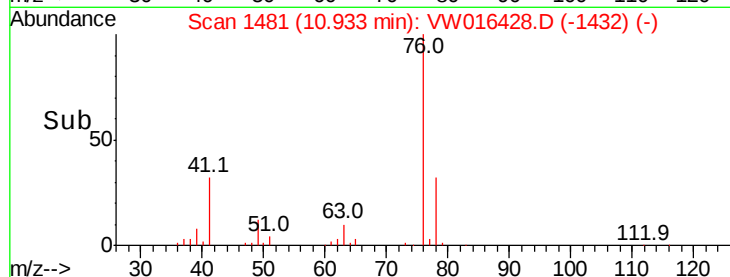
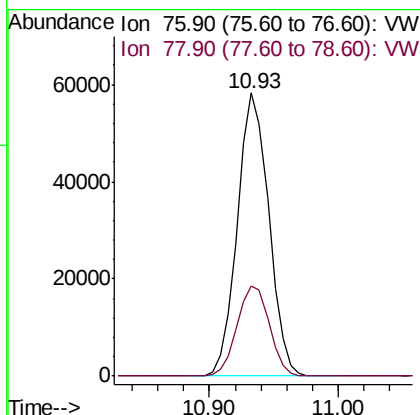
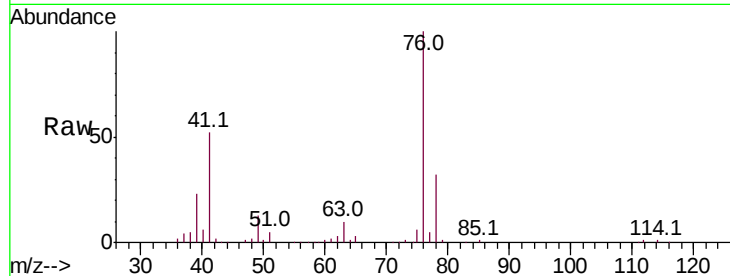




#57
 1,3-Dichloropropane
 Concen: 49.397 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW016428.D
 Acq: 31 Aug 2020 22:18

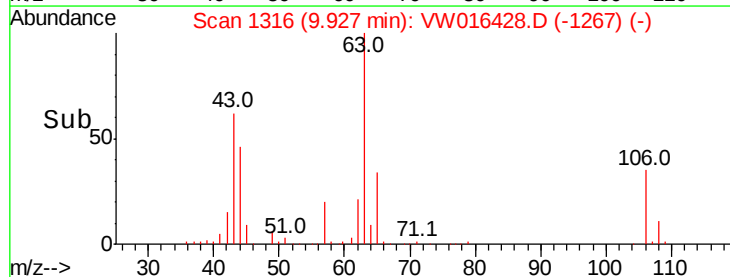
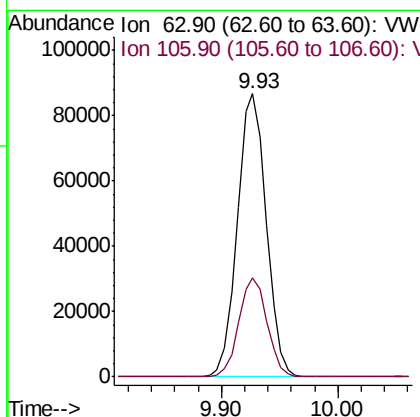
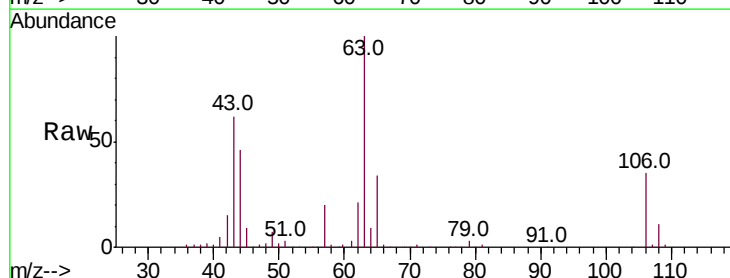
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

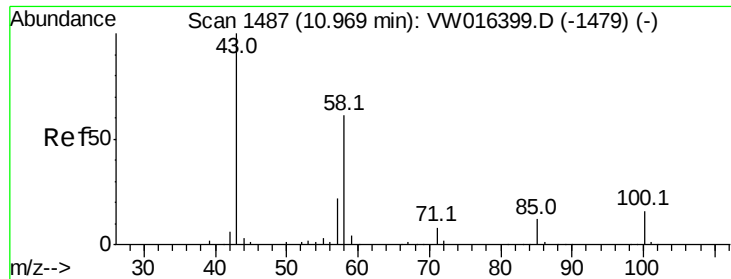
Tot Ion: 76 Resp: 98862
 Ion Ratio Lower Upper
 76 100
 78 32.8 26.1 39.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 237.276 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW016428.D
 Acq: 31 Aug 2020 22:18

Tgt Ion: 63 Resp: 149963
 Ion Ratio Lower Upper
 63 100
 106 34.5 26.6 40.0





#59

2-Hexanone

Concen: 255.082 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW016428.D

Acq: 31 Aug 2020 22:18

Instrument :

MSVOA_W

ClientSampleId :

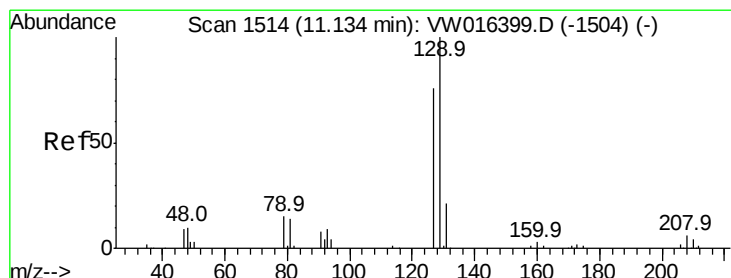
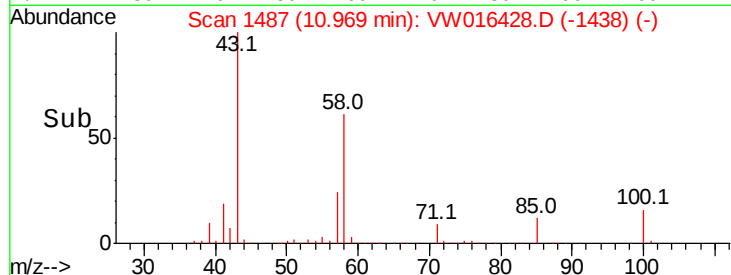
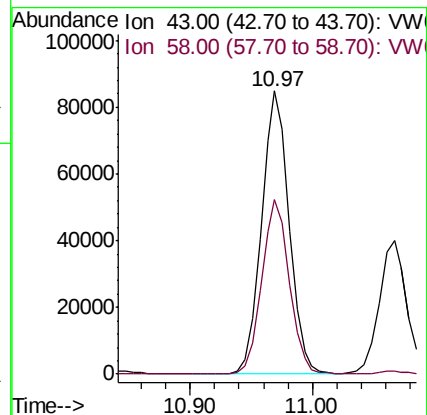
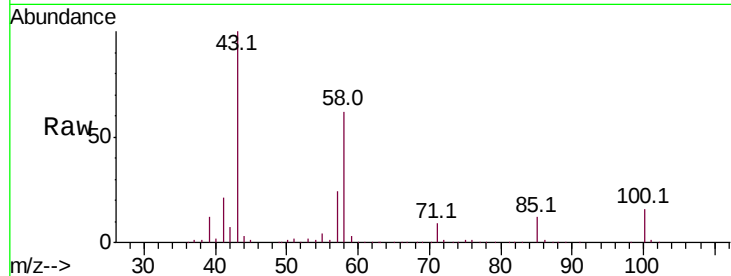
VSTDCCC050EC

Tot Ion: 43 Resp: 133185

Ion Ratio Lower Upper

43 100

58 61.7 29.7 89.1



#60

Dibromochloromethane

Concen: 51.908 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.01 min

Lab File: VW016428.D

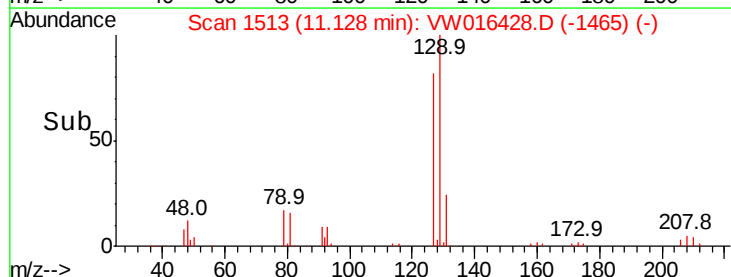
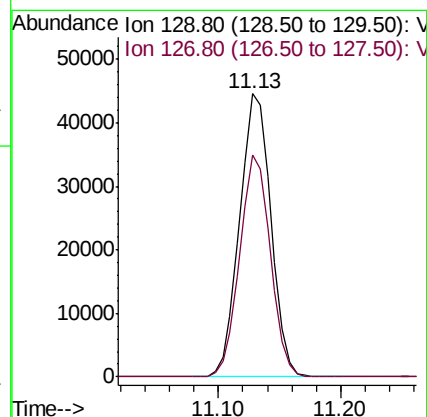
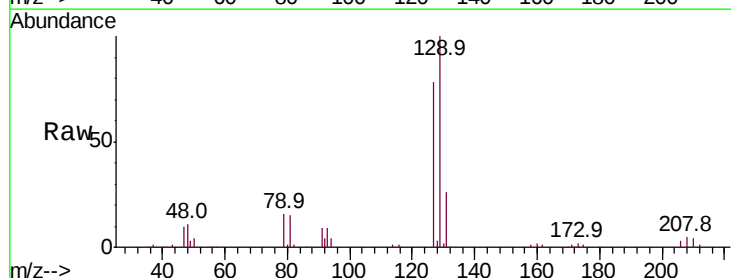
Acq: 31 Aug 2020 22:18

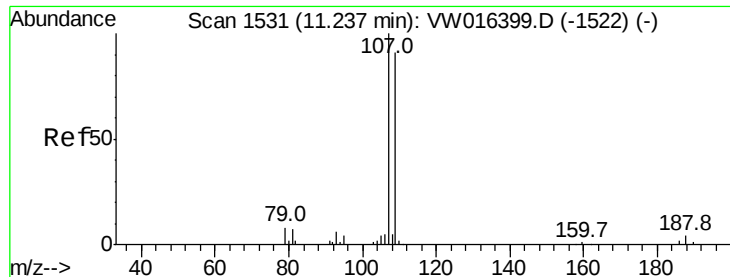
Tgt Ion: 129 Resp: 79058

Ion Ratio Lower Upper

129 100

127 76.7 38.6 115.7

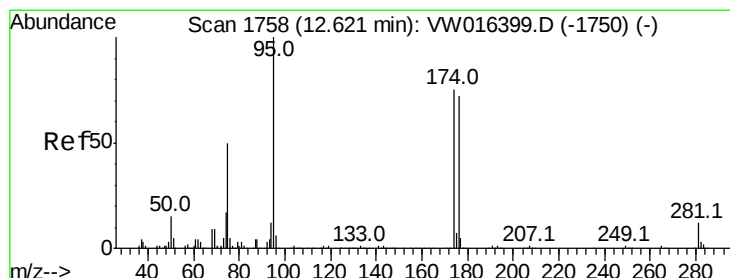
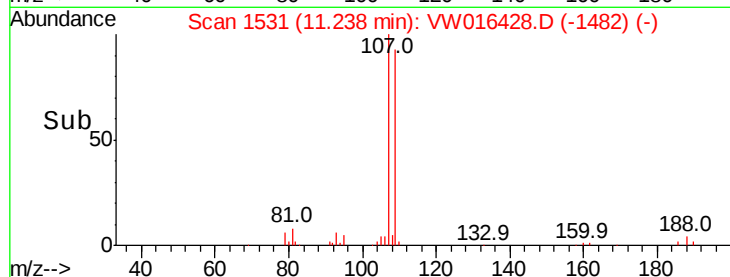
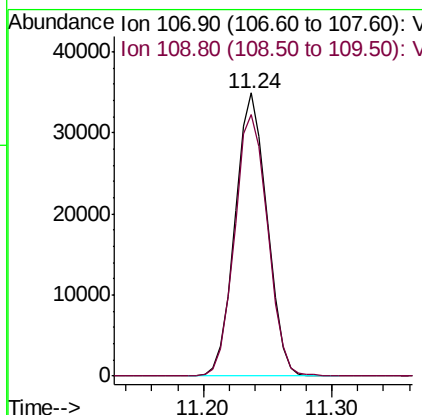
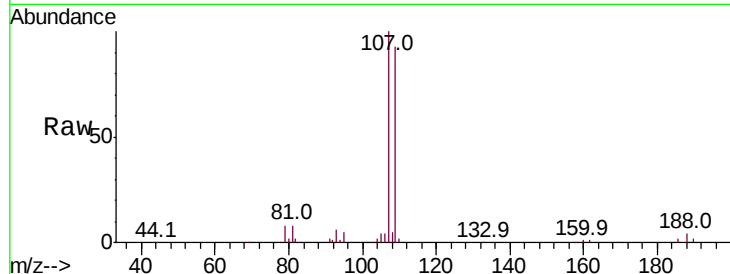




#61
 1,2-Dibromoethane
 Concen: 50.837 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW016428.D
 Acq: 31 Aug 2020 22:18

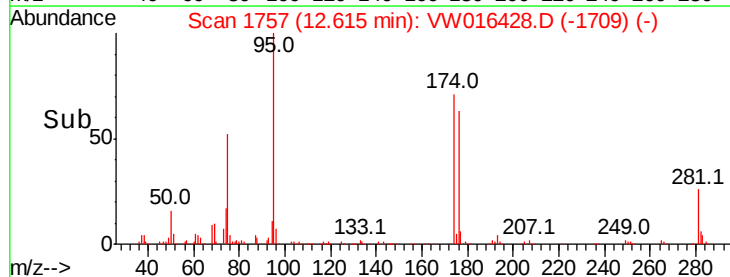
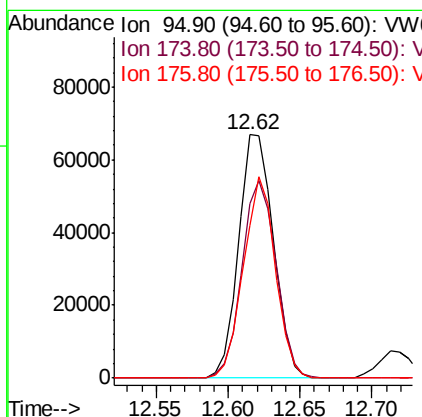
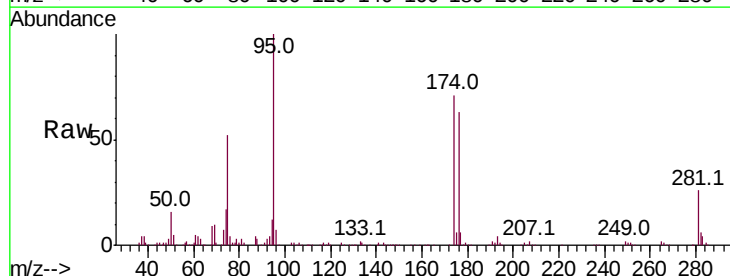
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

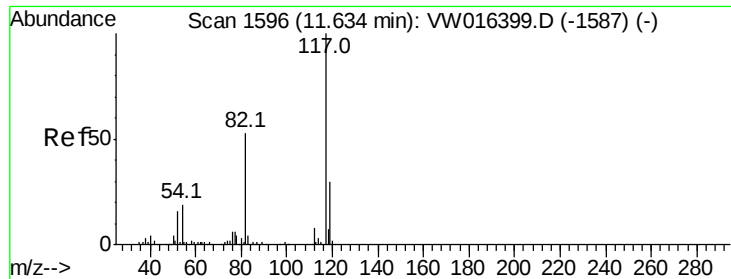
Tot Ion:107 Resp: 60053
 Ion Ratio Lower Upper
 107 100
 109 95.2 74.5 111.7



#62
 4-Bromofluorobenzene
 Concen: 52.476 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VW016428.D
 Acq: 31 Aug 2020 22:18

Tgt Ion: 95 Resp: 112203
 Ion Ratio Lower Upper
 95 100
 174 79.5 0.0 152.0
 176 76.1 0.0 145.6

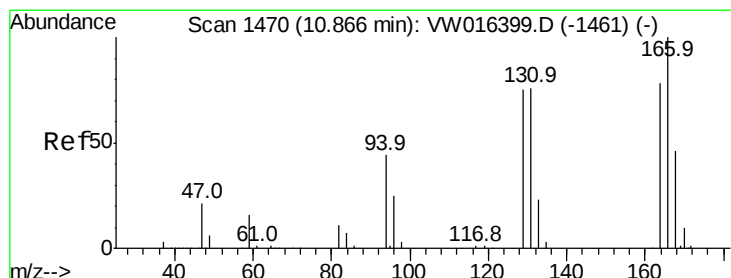
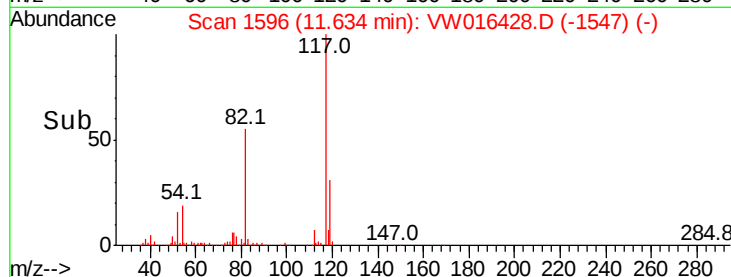
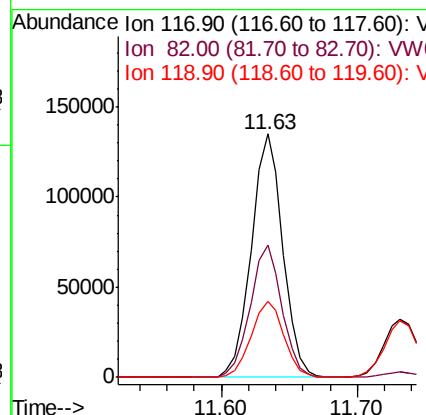
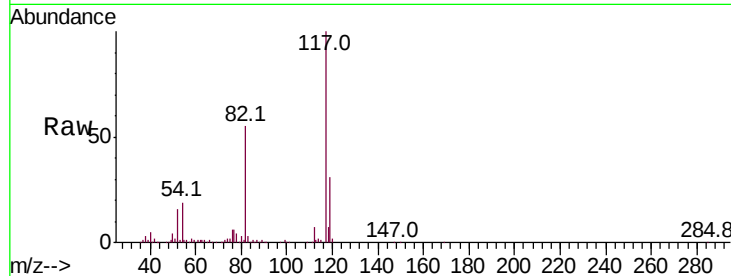




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW016428.D
Acq: 31 Aug 2020 22:18

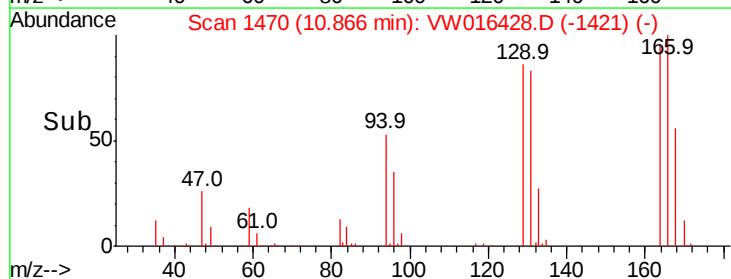
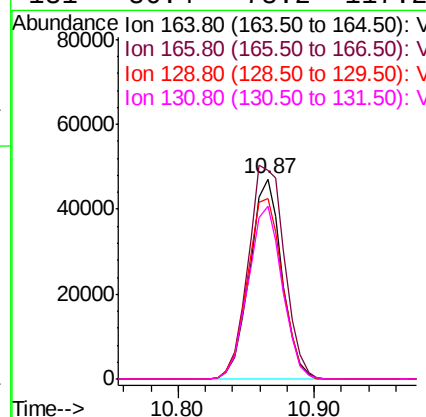
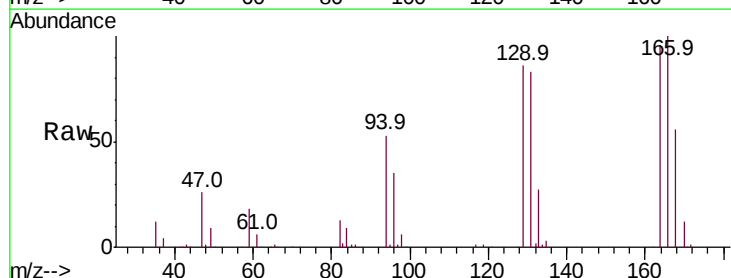
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

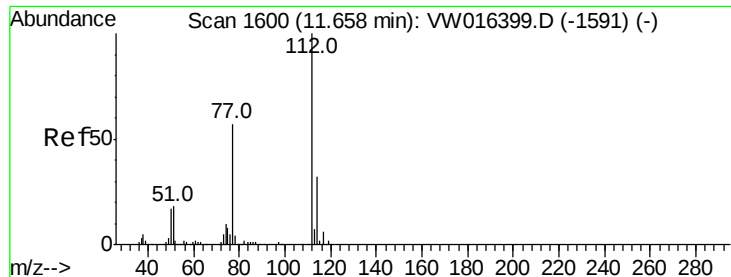
Tot Ion:117 Resp: 218433
Ion Ratio Lower Upper
117 100
82 54.5 42.2 63.4
119 31.3 24.2 36.4



#64
Tetrachloroethene
Concen: 52.241 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW016428.D
Acq: 31 Aug 2020 22:18

Tgt Ion:164 Resp: 78383
Ion Ratio Lower Upper
164 100
166 104.4 103.1 154.7
129 90.0 77.3 115.9
131 86.4 78.2 117.2

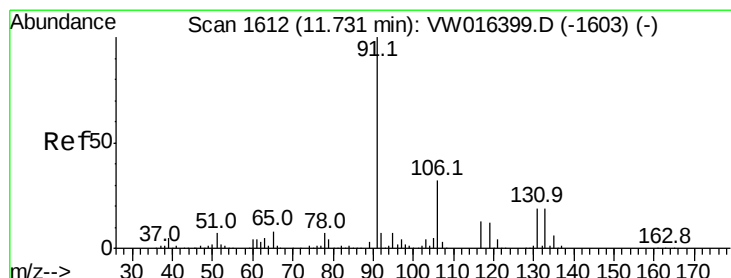
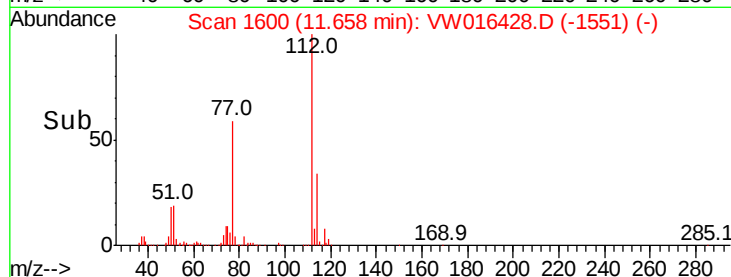
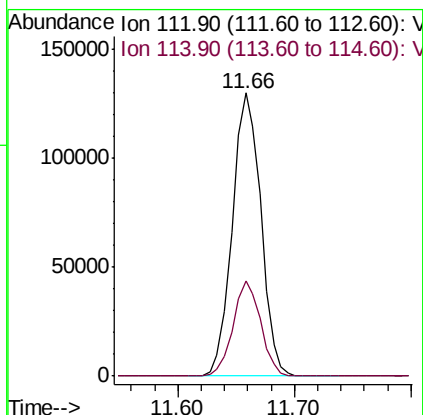
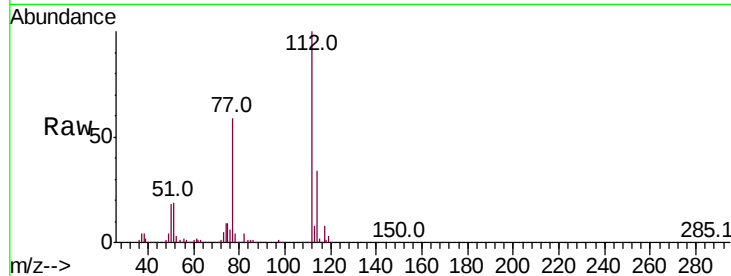




#65
Chlorobenzene
Concen: 49.275 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW016428.D
Acq: 31 Aug 2020 22:18

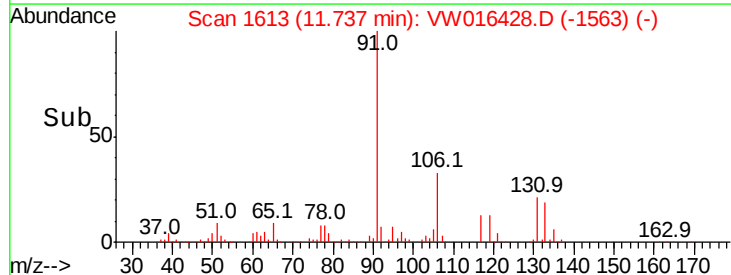
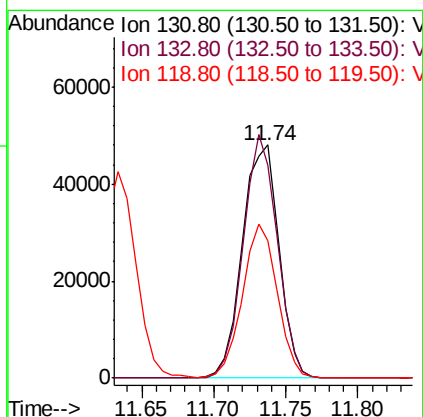
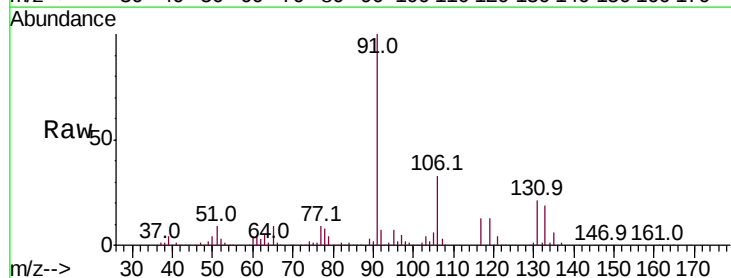
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

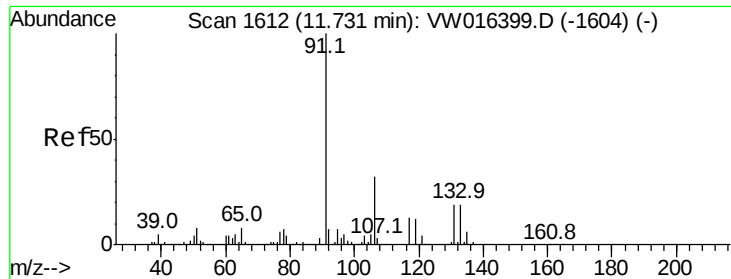
Tot Ion:112 Resp: 221671
Ion Ratio Lower Upper
112 100
114 33.7 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 50.786 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.01 min
Lab File: VW016428.D
Acq: 31 Aug 2020 22:18

Tgt Ion:131 Resp: 84595
Ion Ratio Lower Upper
131 100
133 97.1 46.9 140.6
119 62.6 31.6 95.0

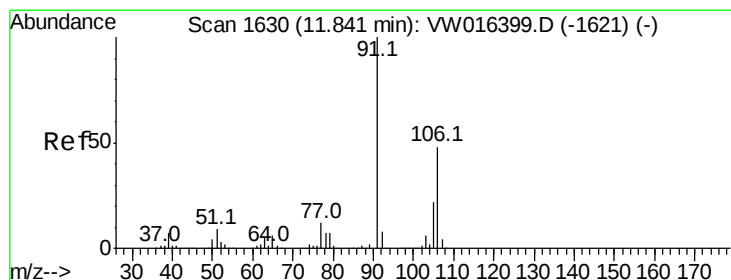
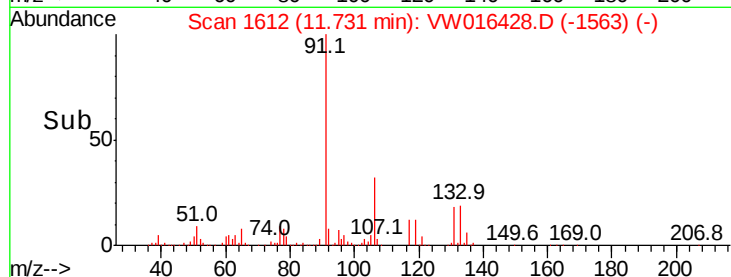
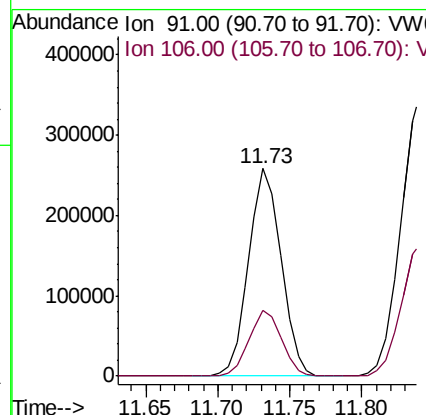
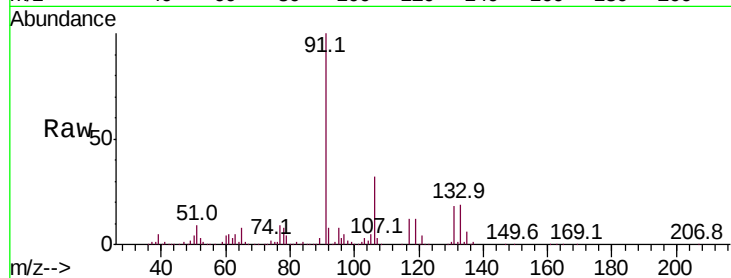




#67
Ethyl Benzene
Concen: 50.444 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW016428.D
Acq: 31 Aug 2020 22:18

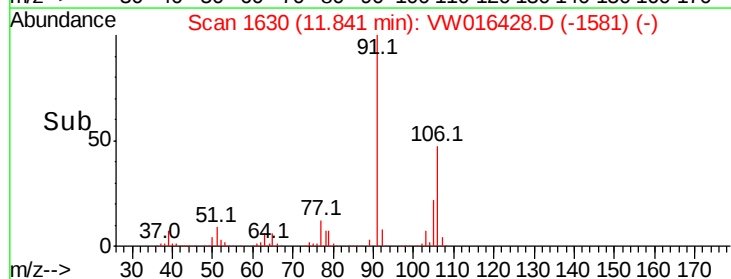
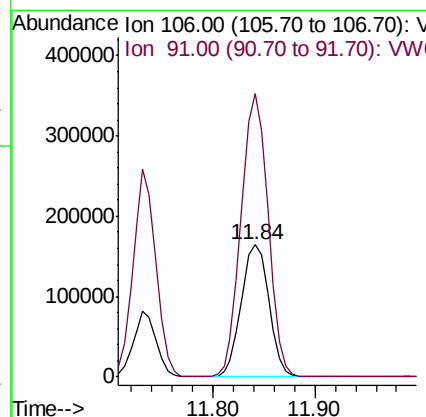
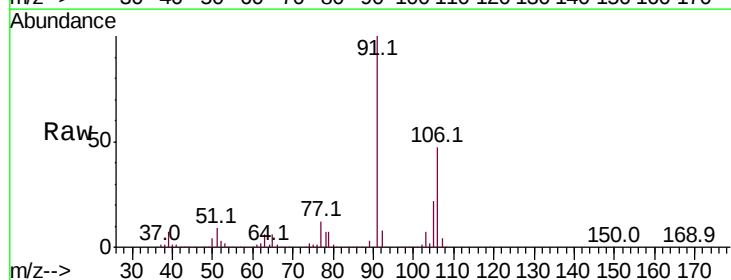
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

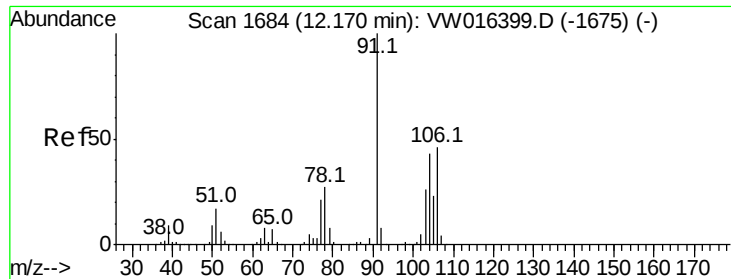
Tot Ion: 91 Resp: 405135
Ion Ratio Lower Upper
91 100
106 31.6 25.3 37.9



#68
m/p-Xylenes
Concen: 100.959 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW016428.D
Acq: 31 Aug 2020 22:18

Tgt Ion:106 Resp: 309571
Ion Ratio Lower Upper
106 100
91 208.9 167.7 251.5

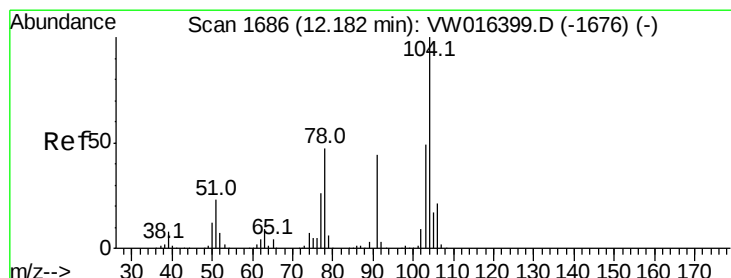
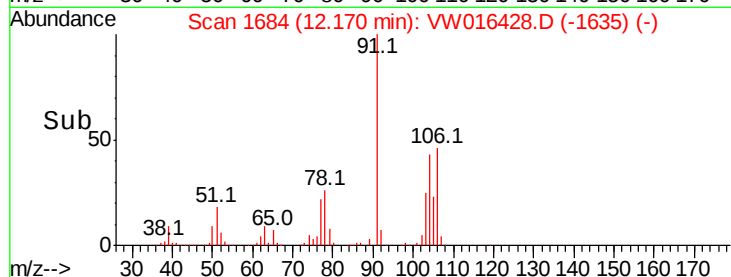
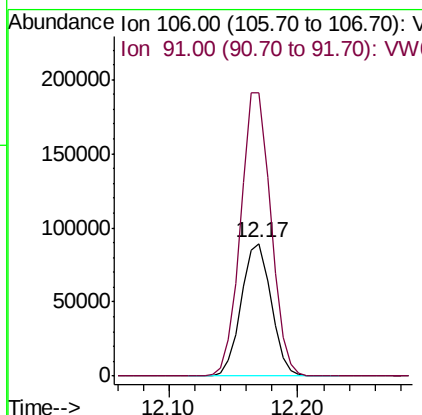
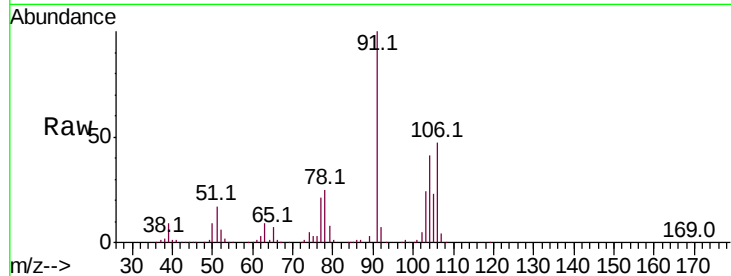




#69
o-Xylene
Concen: 51.006 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW016428.D
Acq: 31 Aug 2020 22:18

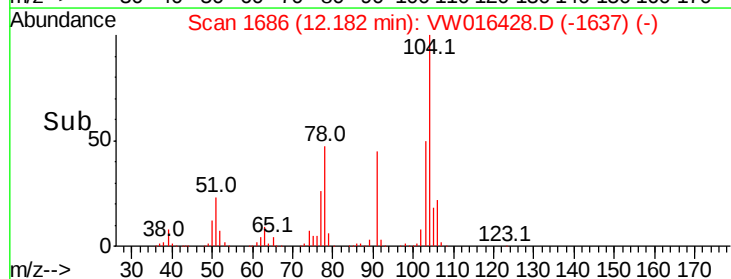
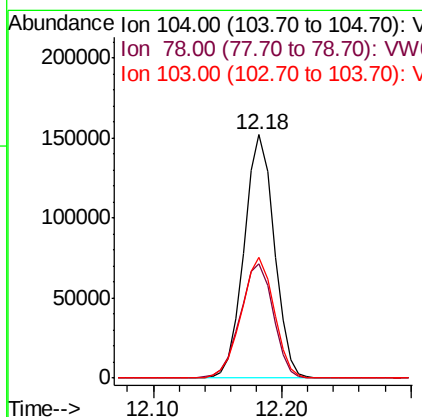
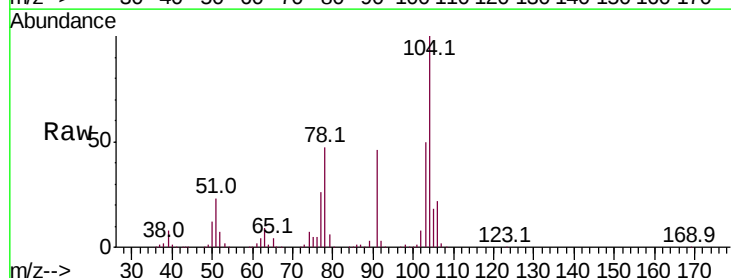
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

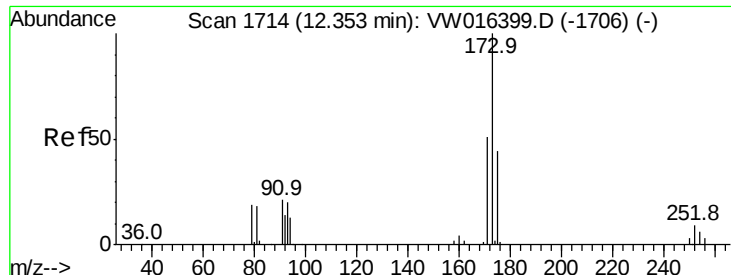
Tot Ion:106 Resp: 143824
Ion Ratio Lower Upper
106 100
91 215.4 111.7 334.9



#70
Styrene
Concen: 51.045 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW016428.D
Acq: 31 Aug 2020 22:18

Tgt Ion:104 Resp: 245306
Ion Ratio Lower Upper
104 100
78 52.0 41.7 62.5
103 53.8 42.9 64.3





#71

Bromoform

Concen: 52.654 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW016428.D

Acq: 31 Aug 2020 22:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

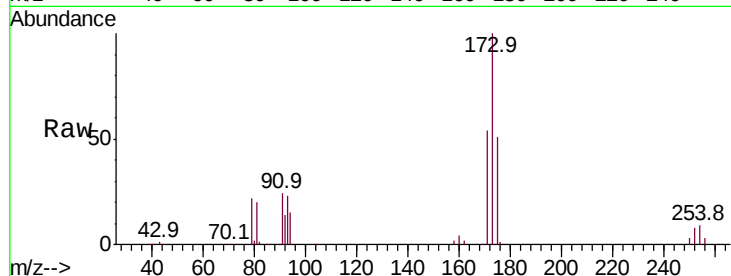
Tot Ion:173 Resp: 44629

Ion Ratio Lower Upper

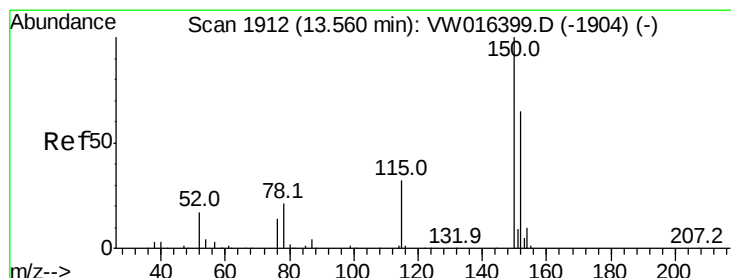
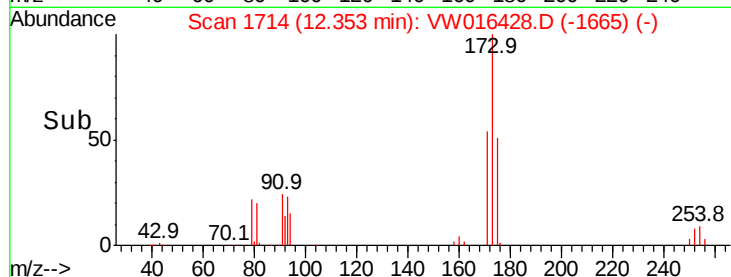
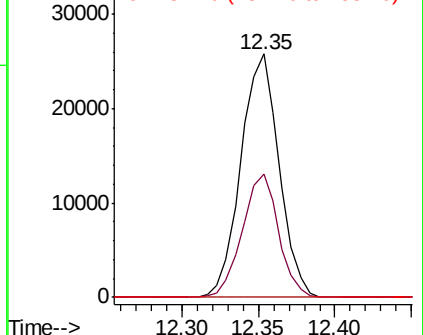
173 100

175 48.0 23.5 70.6

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW016428.D

Acq: 31 Aug 2020 22:18

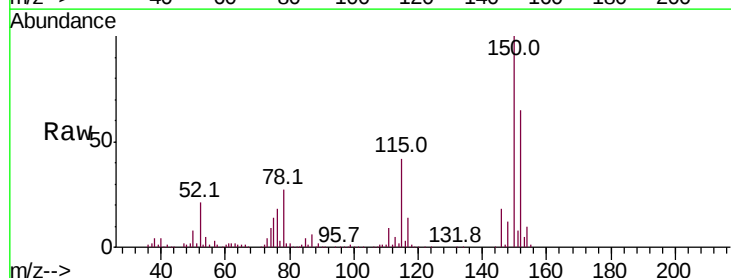
Tgt Ion:152 Resp: 107712

Ion Ratio Lower Upper

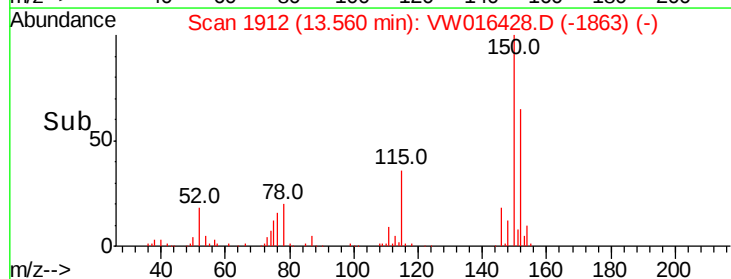
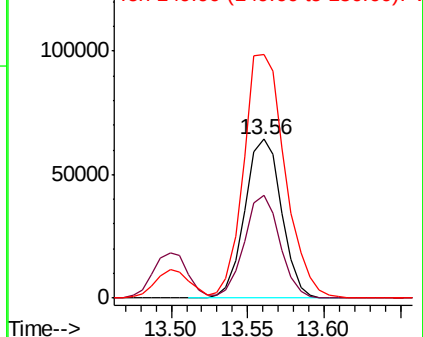
152 100

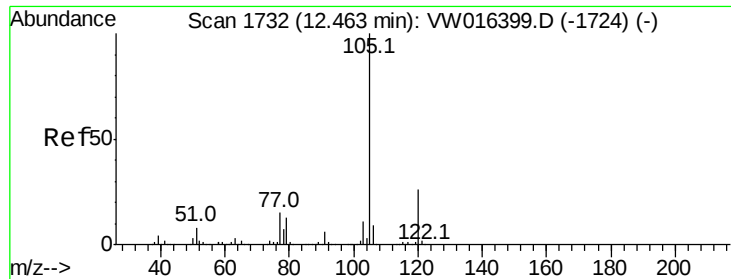
115 62.2 30.9 92.5

150 172.8 0.0 351.0



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





#73

Isopropylbenzene

Concen: 52.670 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW016428.D

Acq: 31 Aug 2020 22:18

Instrument :

MSVOA_W

ClientSampleId :

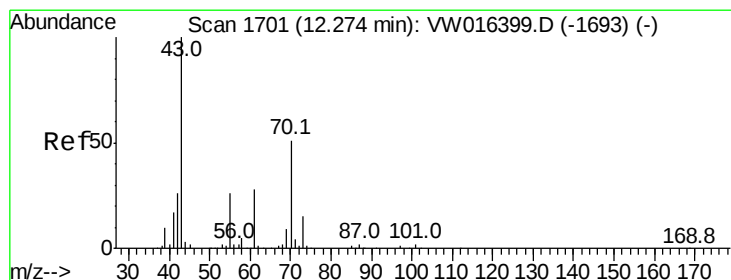
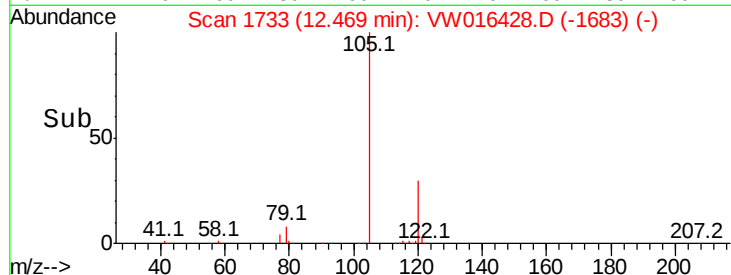
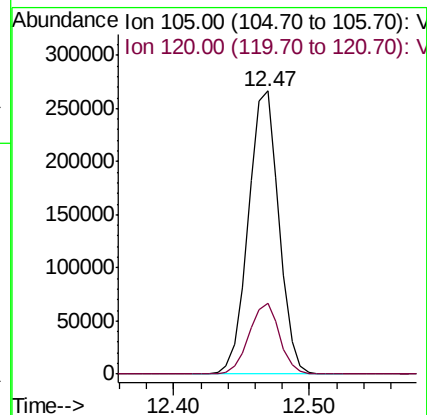
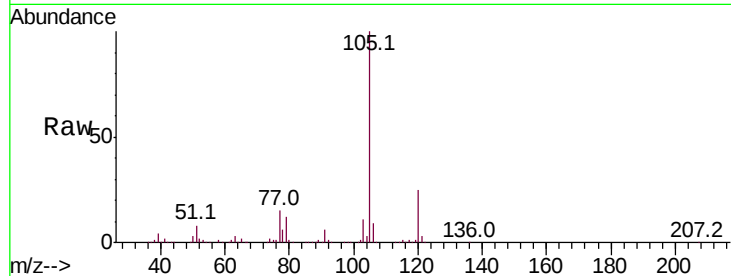
VSTDCCC050EC

Tot Ion:105 Resp: 418324

Ion Ratio Lower Upper

105 100

120 25.0 13.2 39.6



#74

N-ethyl acetate

Concen: 50.630 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW016428.D

Acq: 31 Aug 2020 22:18

Tgt Ion: 43 Resp: 70371

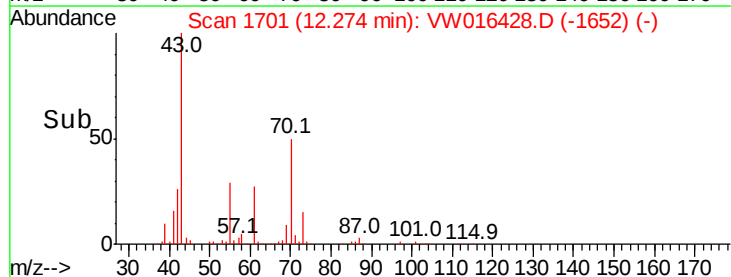
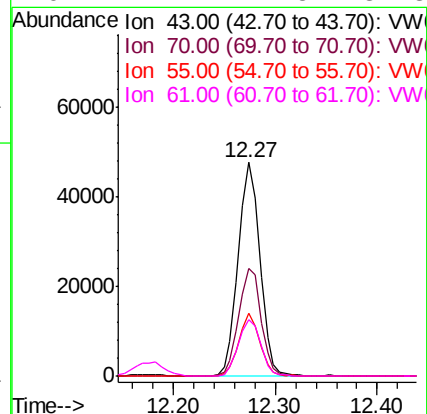
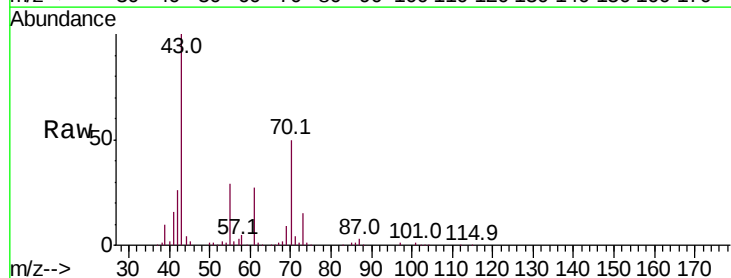
Ion Ratio Lower Upper

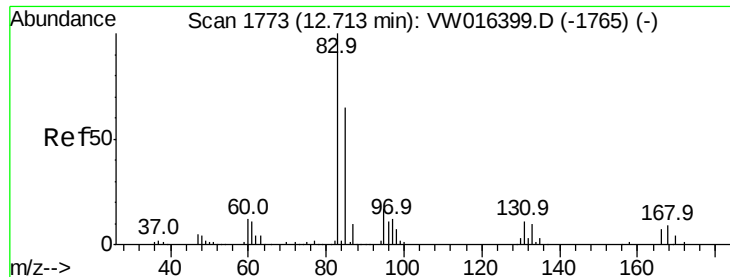
43 100

70 51.7 40.8 61.2

55 28.2 21.6 32.4

61 27.1 21.5 32.3





#75

1,1,2,2-Tetrachloroethane

Concen: 51.253 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW016428.D

Acq: 31 Aug 2020 22:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

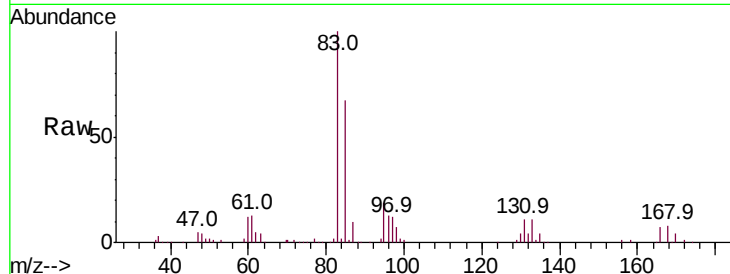
Tot Ion: 83 Resp: 67011

Ion Ratio Lower Upper

83 100

131 12.6 5.9 17.8

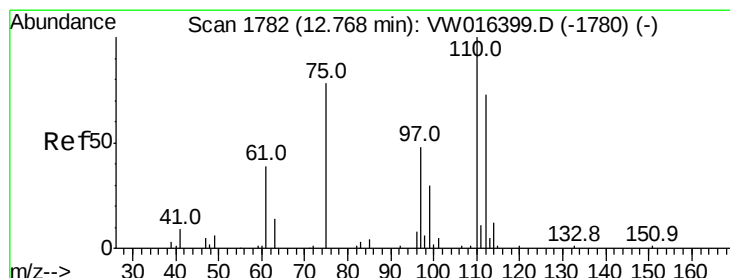
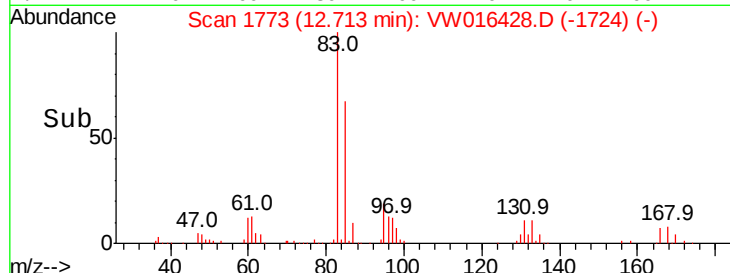
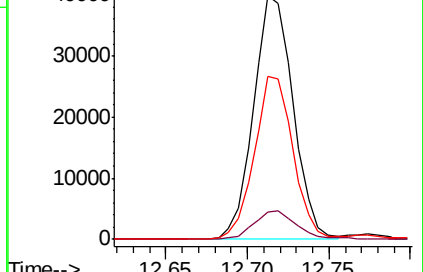
85 65.2 32.3 96.8



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: 92.108 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW016428.D

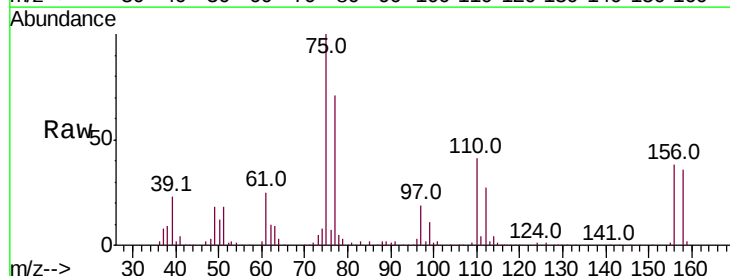
Acq: 31 Aug 2020 22:18

Tgt Ion: 75 Resp: 87728

Ion Ratio Lower Upper

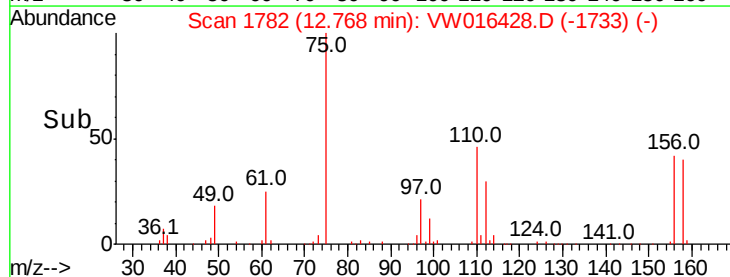
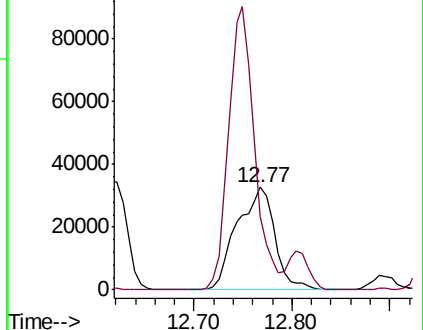
75 100

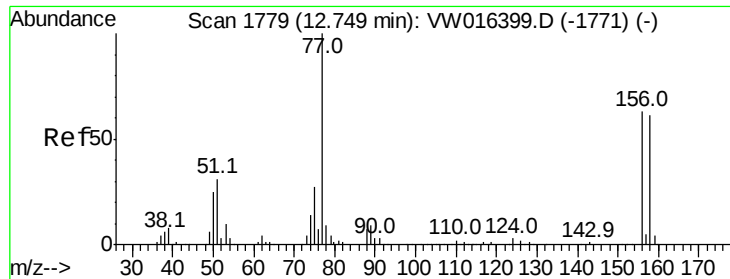
77 188.5 173.4 520.2



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 48.632 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW016428.D

Acq: 31 Aug 2020 22:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

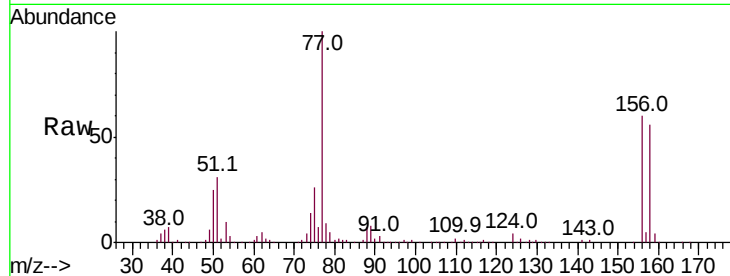
Tot Ion:156 Resp: 89791

Ion Ratio Lower Upper

156 100

77 184.1 90.0 269.9

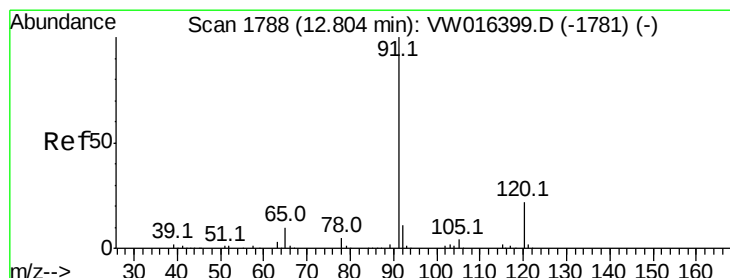
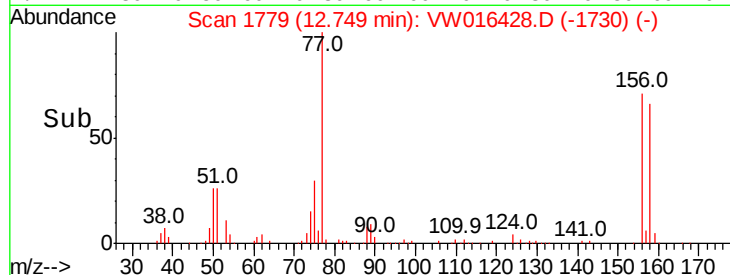
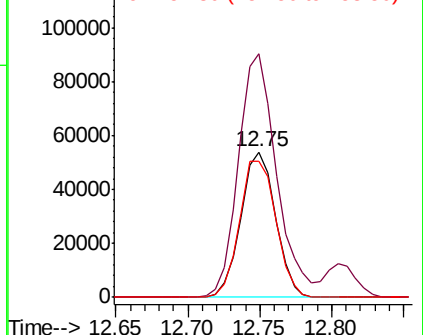
158 99.3 47.3 141.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.102 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW016428.D

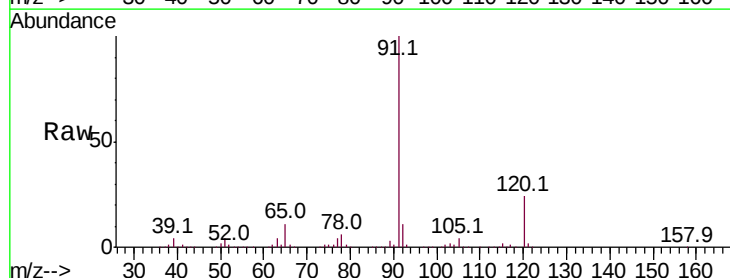
Acq: 31 Aug 2020 22:18

Tgt Ion: 91 Resp: 476457

Ion Ratio Lower Upper

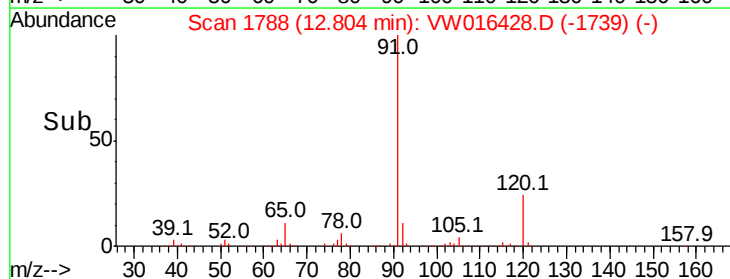
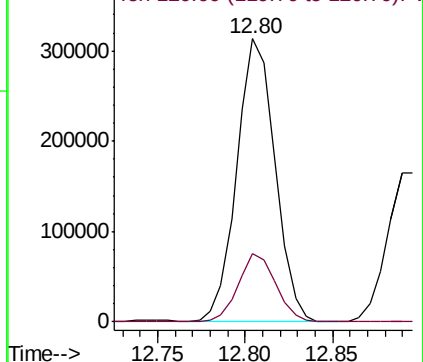
91 100

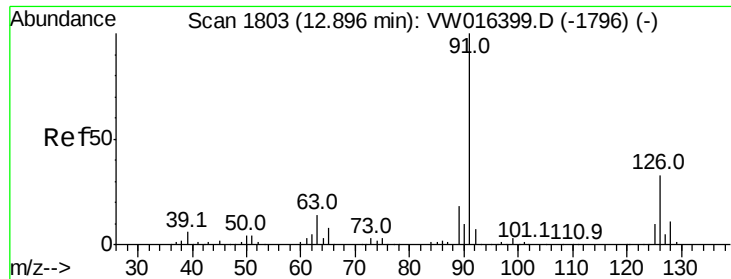
120 23.5 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

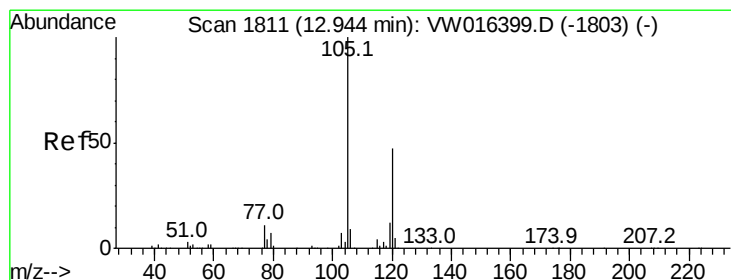
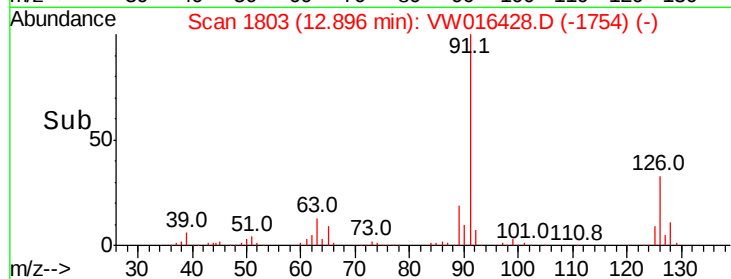
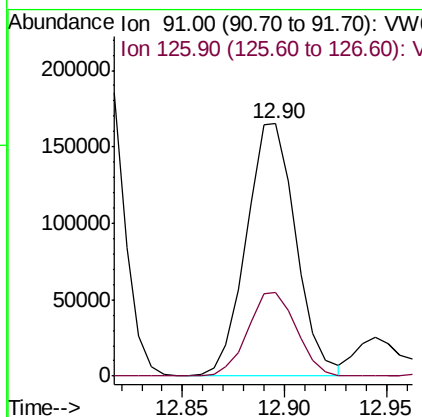
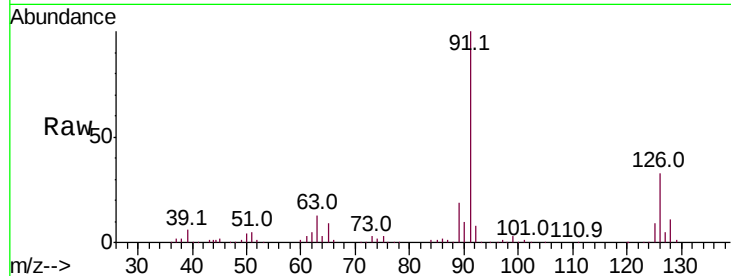




#79
 2-Chlorotoluene
 Concen: 50.718 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VW016428.D
 Acq: 31 Aug 2020 22:18

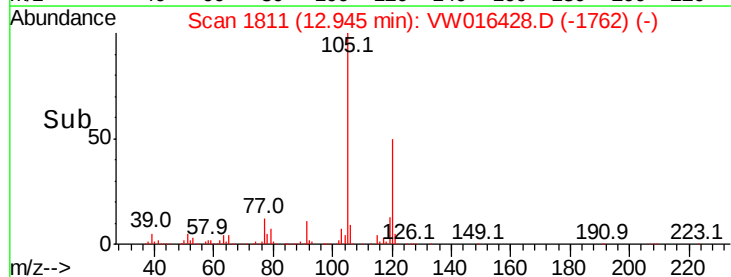
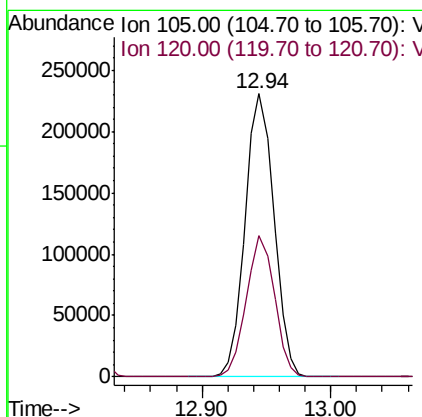
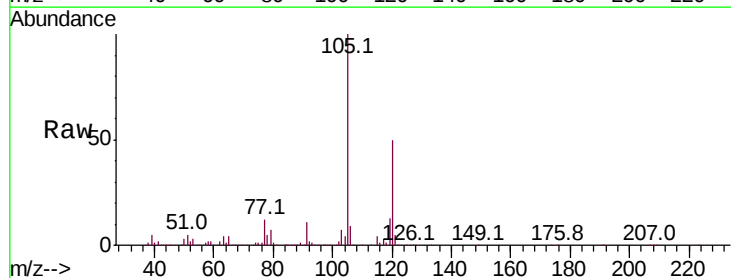
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

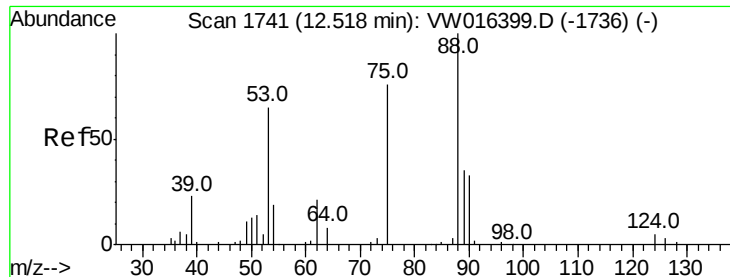
Tot Ion: 91 Resp: 278487
 Ion Ratio Lower Upper
 91 100
 126 33.0 16.4 49.1



#80
 1,3,5-Trimethylbenzene
 Concen: 51.088 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW016428.D
 Acq: 31 Aug 2020 22:18

Tgt Ion: 105 Resp: 355875
 Ion Ratio Lower Upper
 105 100
 120 48.7 23.8 71.2

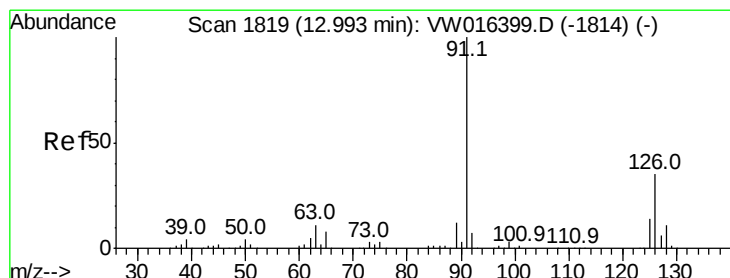
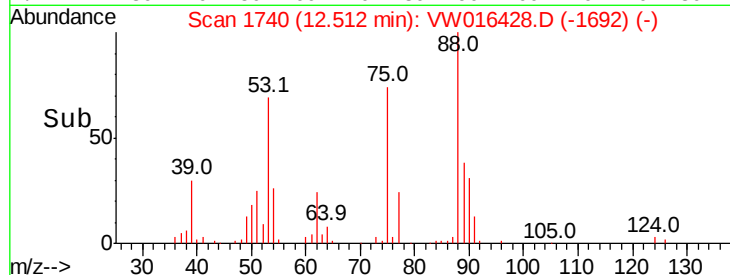
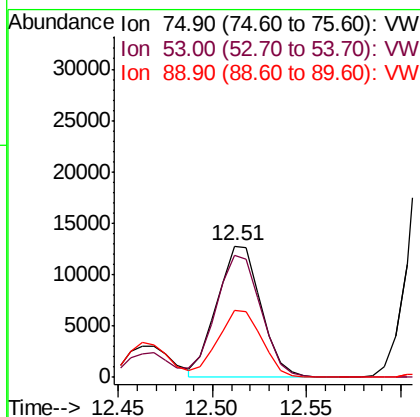
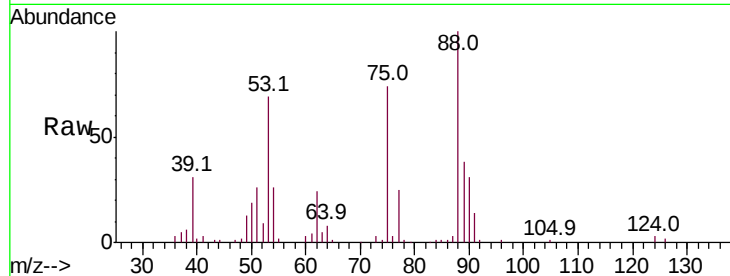




#81
trans-1,4-Dichloro-2-butene
Concen: 48.352 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.01 min
Lab File: VW016428.D
Acq: 31 Aug 2020 22:18

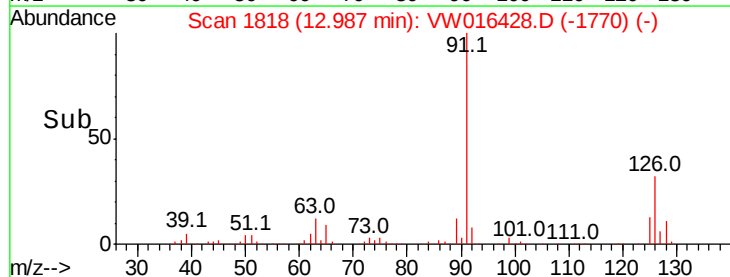
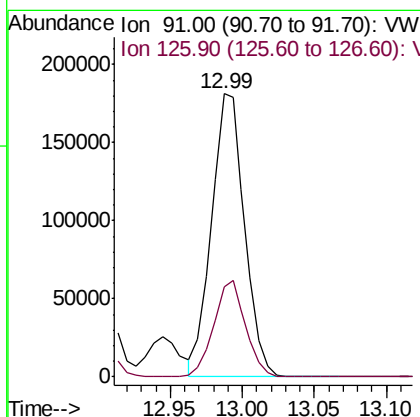
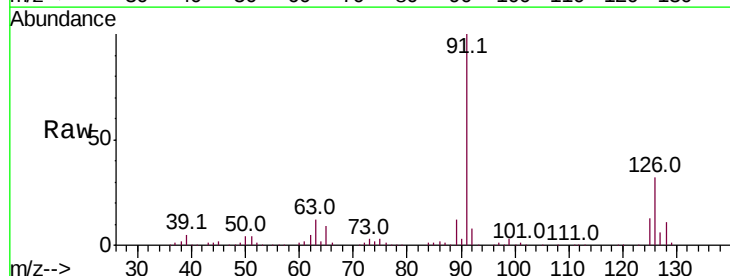
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

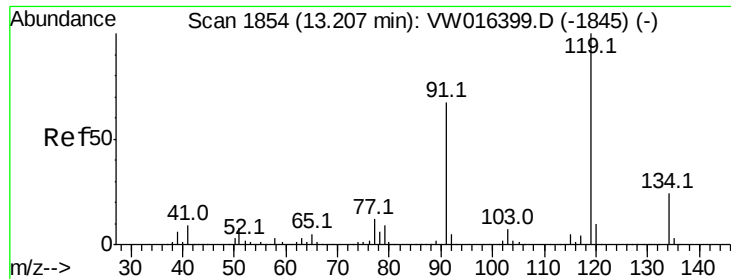
Tot Ion: 75 Resp: 20743
Ion Ratio Lower Upper
75 100
53 94.3 75.2 112.8
89 51.2 40.4 60.6



#82
4-Chlorotoluene
Concen: 50.311 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.01 min
Lab File: VW016428.D
Acq: 31 Aug 2020 22:18

Tgt Ion: 91 Resp: 288816
Ion Ratio Lower Upper
91 100
126 33.0 17.0 50.9

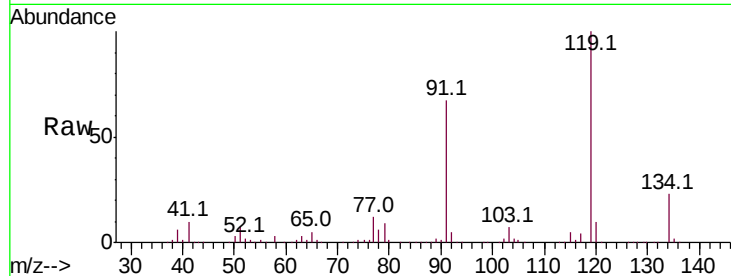




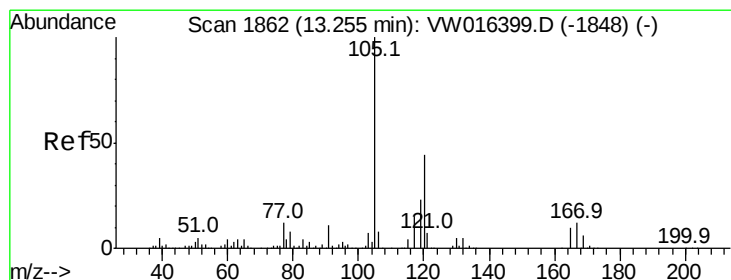
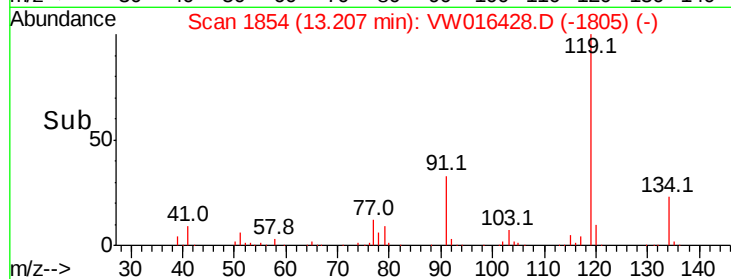
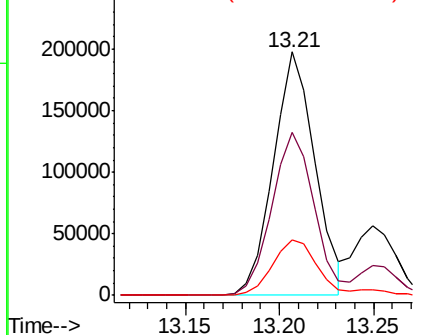
#83
tert-Butylbenzene
Concen: 51.626 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW016428.D
Acq: 31 Aug 2020 22:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:119 Resp: 302137
Ion Ratio Lower Upper
119 100
91 69.0 34.1 102.3
134 26.2 12.3 36.8

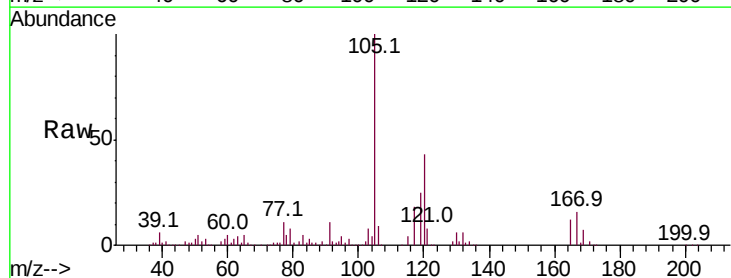


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VW
Ion 134.00 (133.70 to 134.70): V

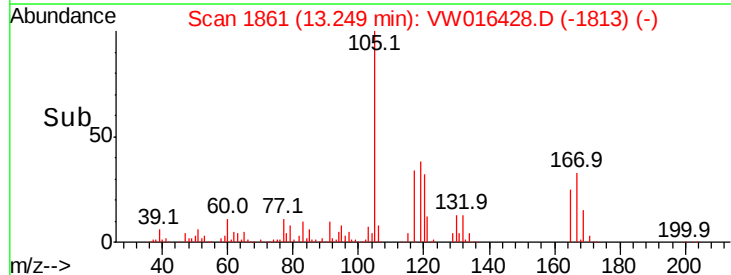
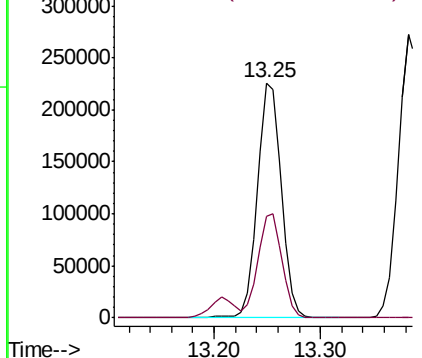


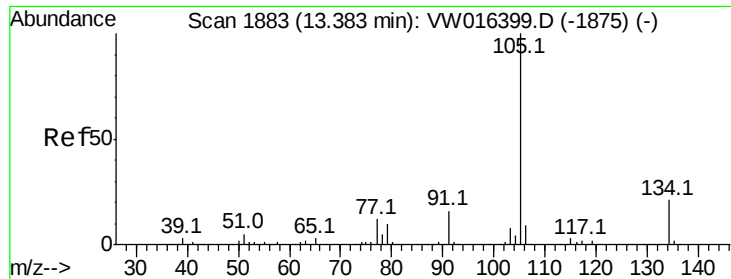
#84
1,2,4-Trimethylbenzene
Concen: 51.360 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.01 min
Lab File: VW016428.D
Acq: 31 Aug 2020 22:18

Tgt Ion:105 Resp: 356848
Ion Ratio Lower Upper
105 100
120 44.2 22.1 66.1



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

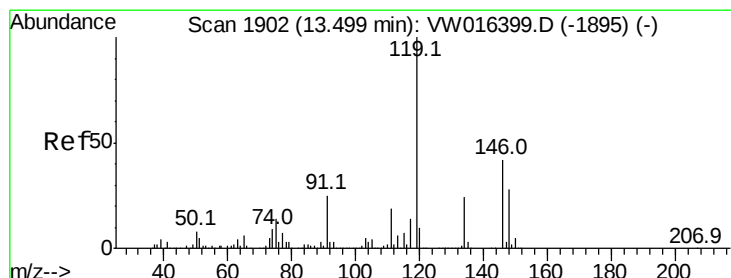
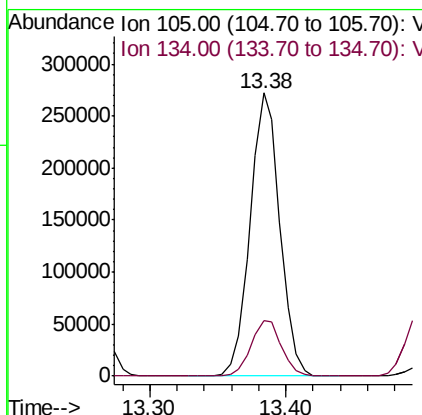
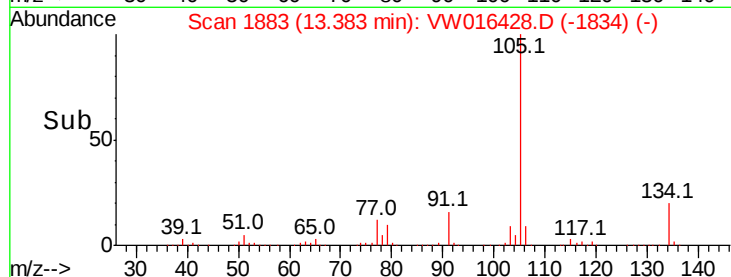
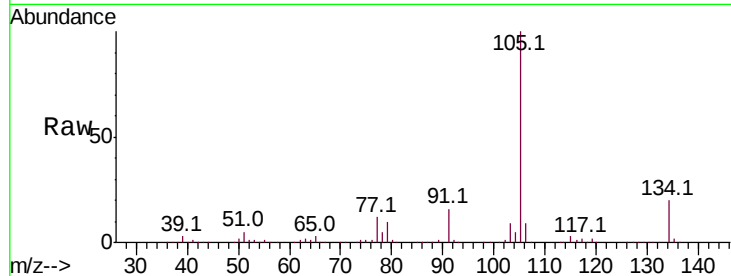




#85
 sec-Butylbenzene
 Concen: 51.308 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW016428.D
 Acq: 31 Aug 2020 22:18

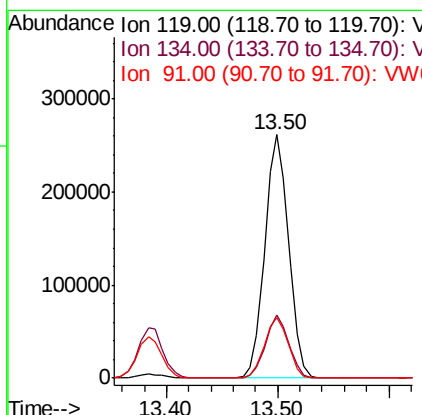
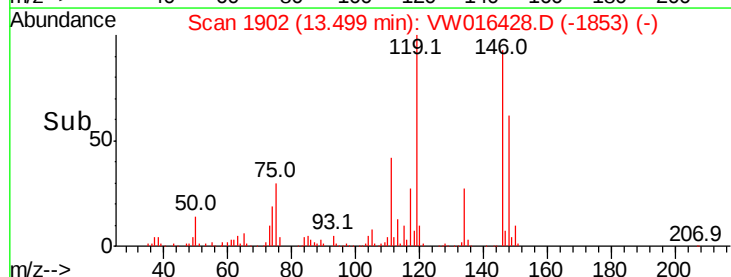
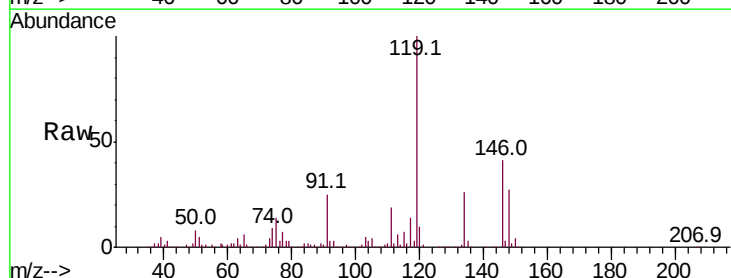
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

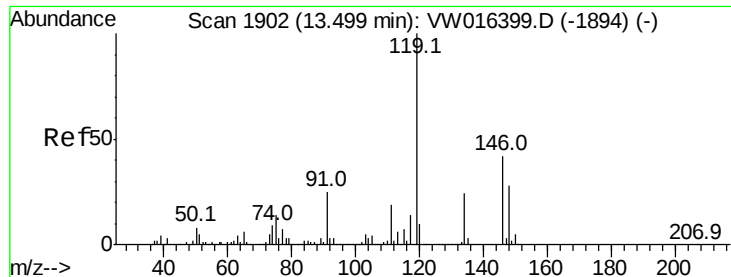
Tot Ion:105 Resp: 415768
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.0 30.0



#86
 p-Isopropyltoluene
 Concen: 51.718 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW016428.D
 Acq: 31 Aug 2020 22:18

Tgt Ion:119 Resp: 391245
 Ion Ratio Lower Upper
 119 100
 134 25.4 12.6 37.6
 91 24.7 12.2 36.4





#87

1,3-Dichlorobenzene

Concen: 50.057 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

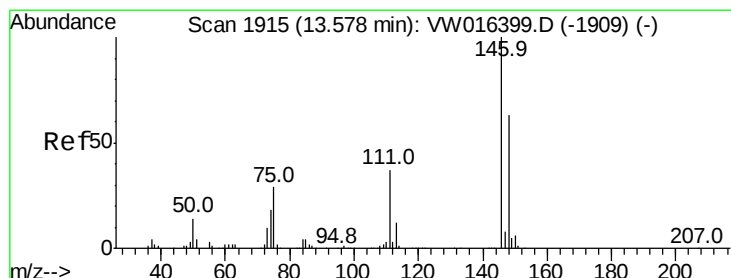
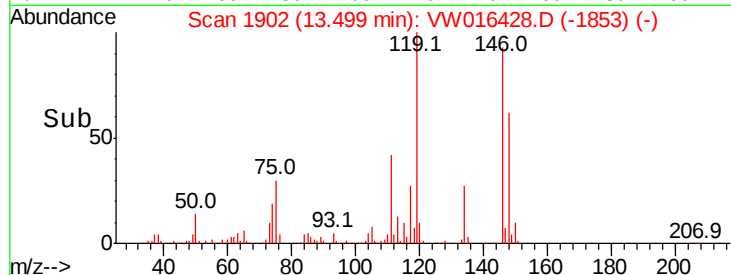
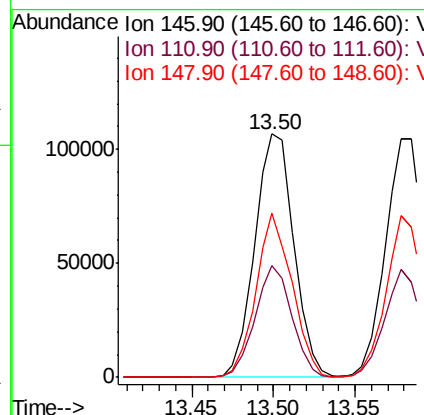
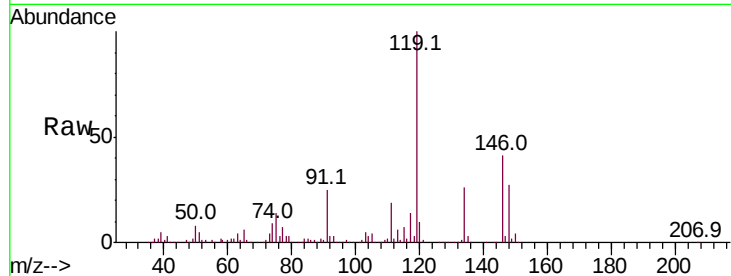
Lab File: VW016428.D

Acq: 31 Aug 2020 22:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:146 Resp: 177406

Ion	Ratio	Lower	Upper
146	100		
111	43.3	22.6	67.8
148	62.3	33.6	100.8



#88

1,4-Dichlorobenzene

Concen: 48.354 ug/l

RT: 13.58 min Scan# 1916

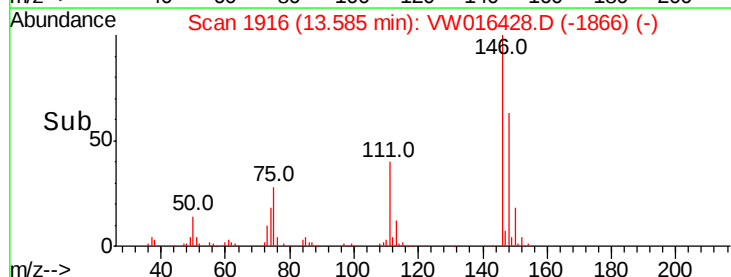
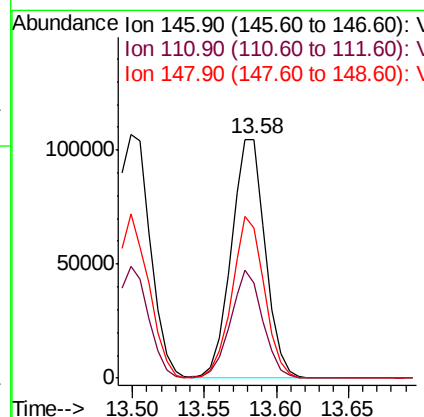
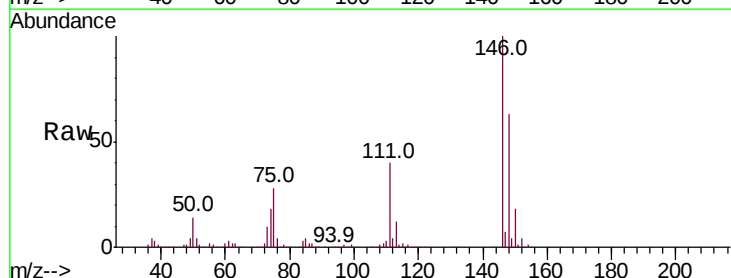
Delta R.T. 0.01 min

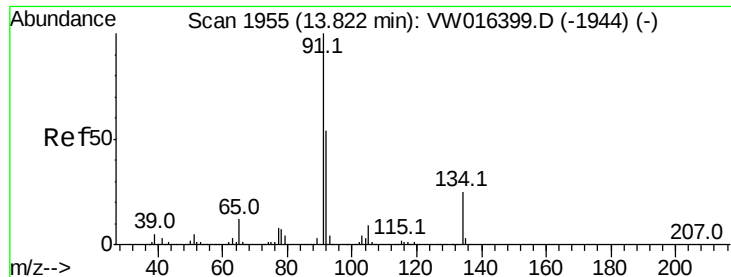
Lab File: VW016428.D

Acq: 31 Aug 2020 22:18

Tgt Ion:146 Resp: 172416

Ion	Ratio	Lower	Upper
146	100		
111	42.9	20.4	61.3
148	64.7	32.0	96.2





#89

n-Butylbenzene

Concen: 49.857 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW016428.D

Acq: 31 Aug 2020 22:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

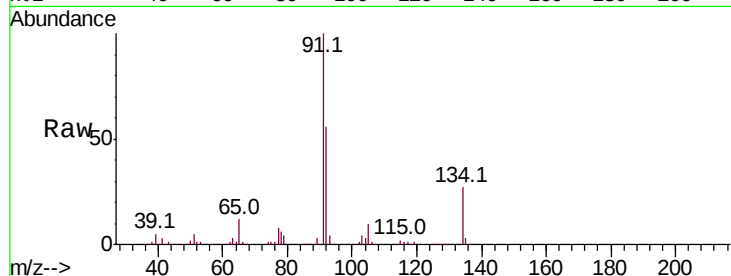
Tot Ion: 91 Resp: 346281

Ion Ratio Lower Upper

91 100

92 54.7 26.8 80.4

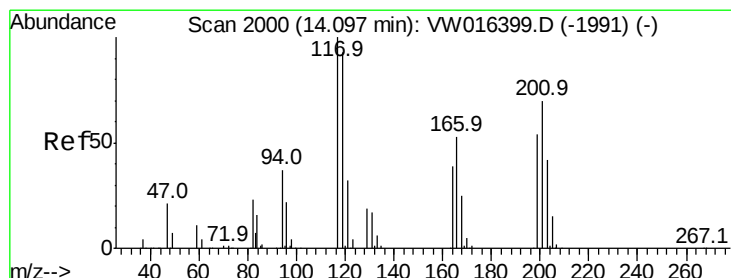
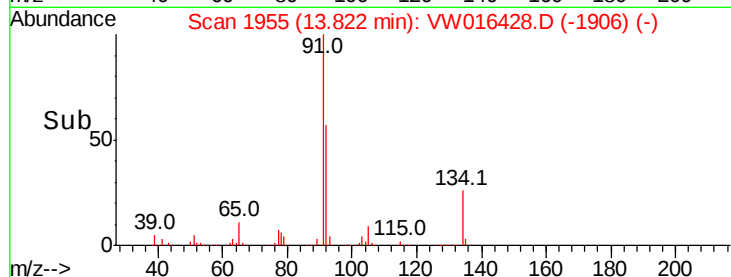
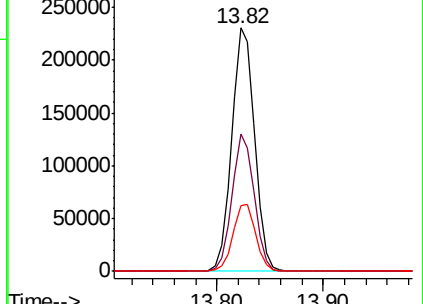
134 27.4 13.2 39.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 51.068 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW016428.D

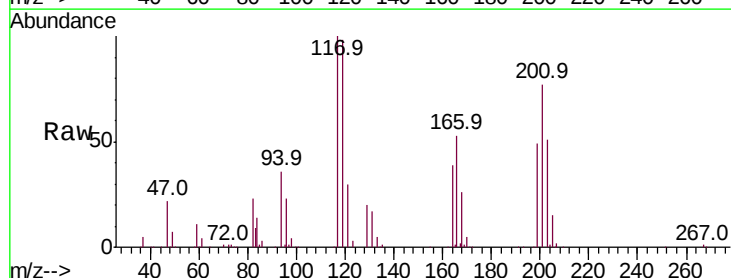
Acq: 31 Aug 2020 22:18

Tgt Ion: 117 Resp: 72535

Ion Ratio Lower Upper

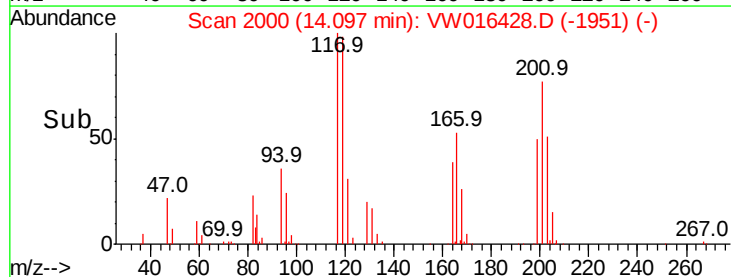
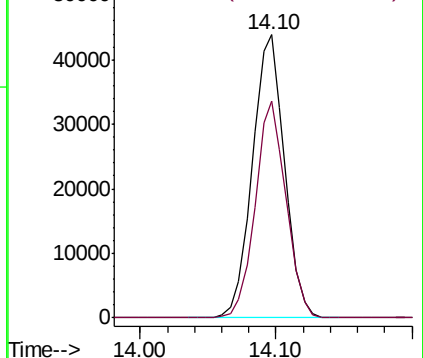
117 100

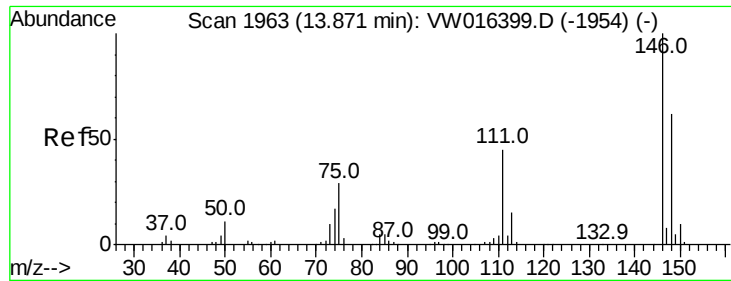
201 73.7 35.9 107.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

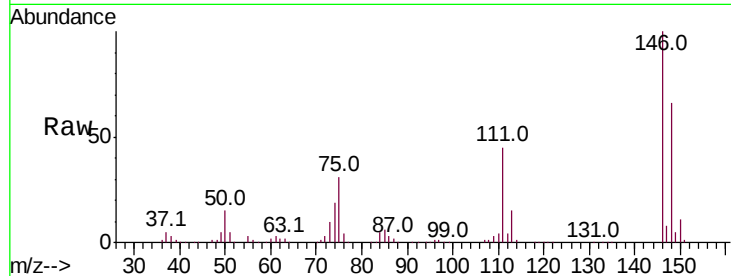




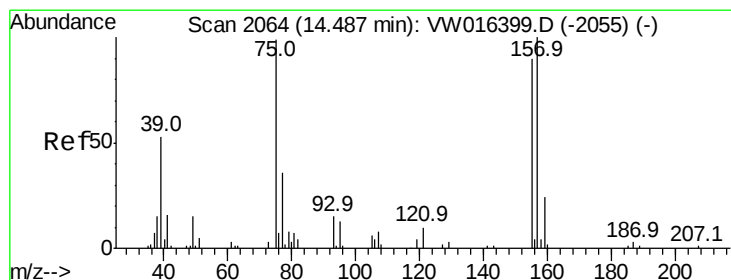
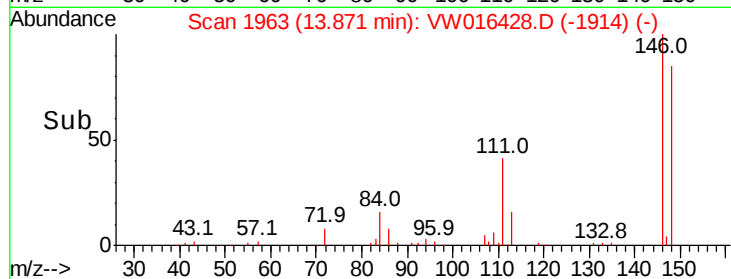
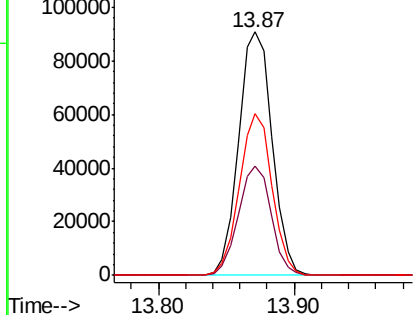
#91
 1,2-Dichlorobenzene
 Concen: 49.270 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW016428.D
 Acq: 31 Aug 2020 22:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:146 Resp: 156417
 Ion Ratio Lower Upper
 146 100
 111 43.8 22.3 66.8
 148 64.8 32.0 96.0

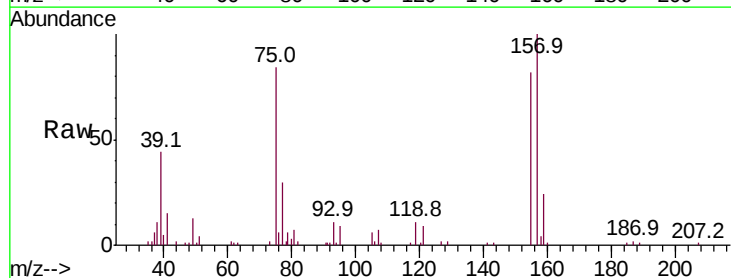


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

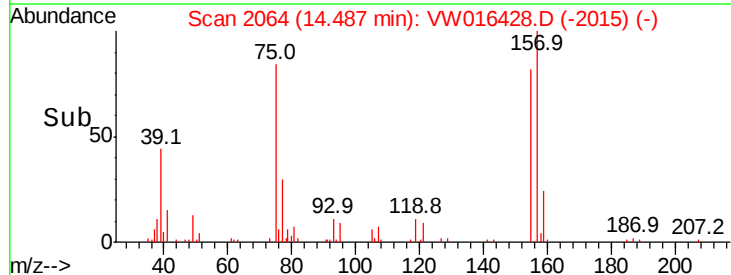
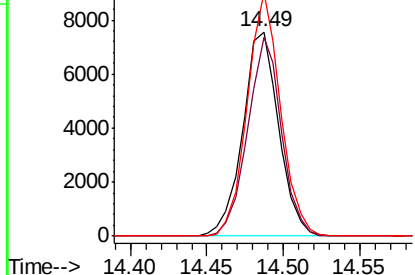


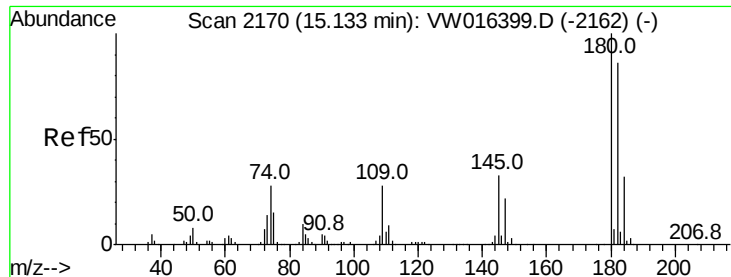
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.041 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW016428.D
 Acq: 31 Aug 2020 22:18

Tgt Ion: 75 Resp: 12368
 Ion Ratio Lower Upper
 75 100
 155 91.0 41.4 124.4
 157 109.8 52.1 156.4



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

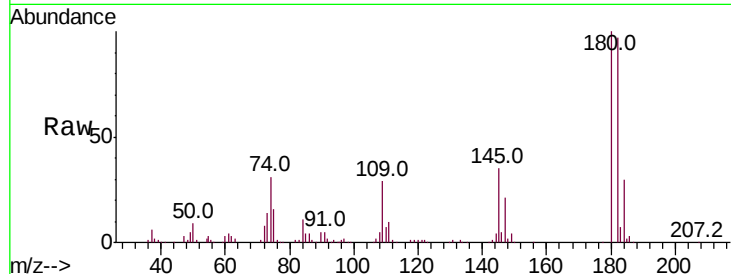




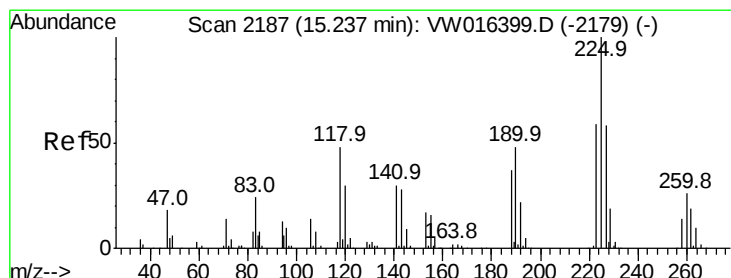
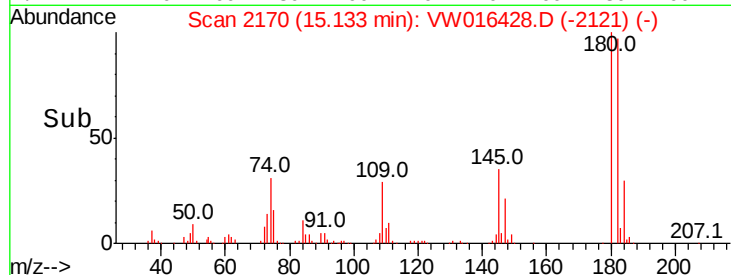
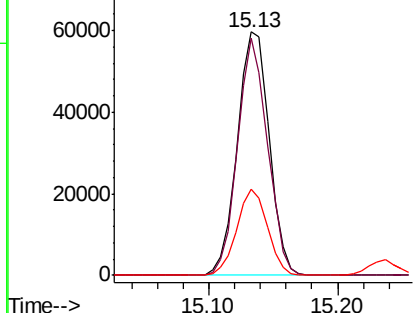
#93
 1,2,4-Trichlorobenzene
 Concen: 48.405 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW016428.D
 Acq: 31 Aug 2020 22:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.7	44.9	134.7
145	34.0	17.1	51.2

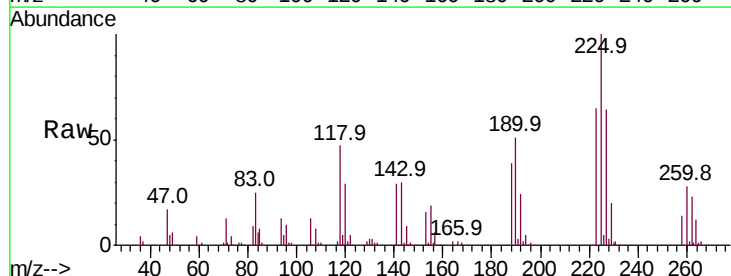


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

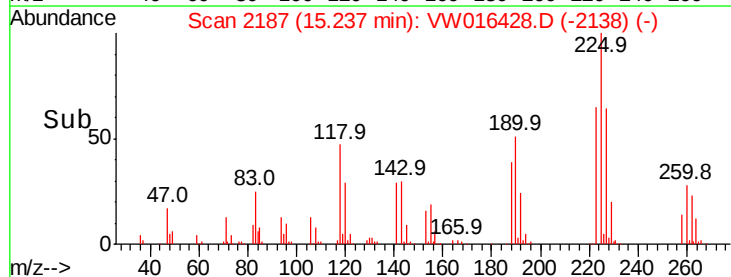
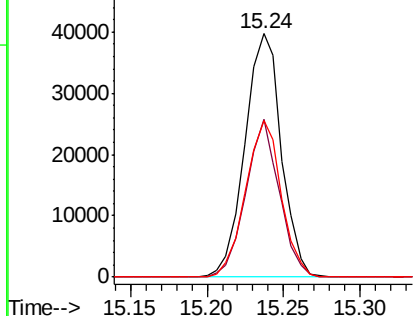


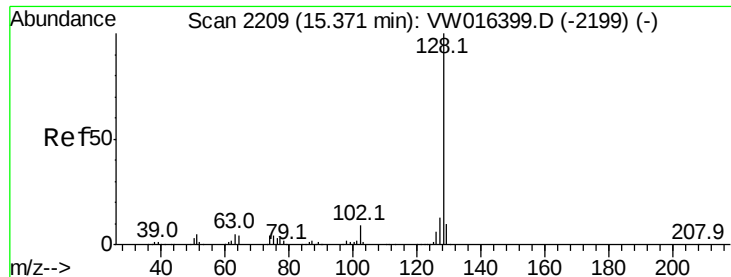
#94
 Hexachlorobutadiene
 Concen: 52.266 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW016428.D
 Acq: 31 Aug 2020 22:18

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.2	30.5	91.5
227	62.9	30.7	92.1



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

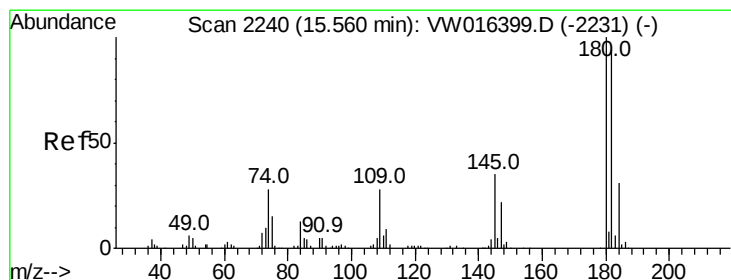
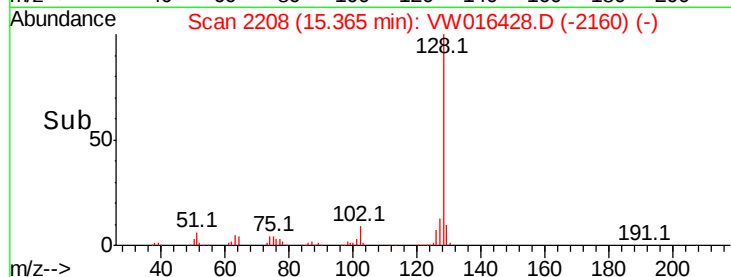
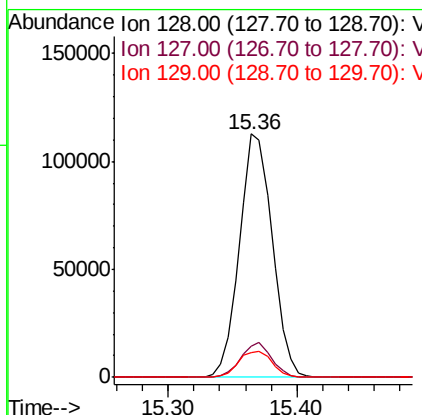
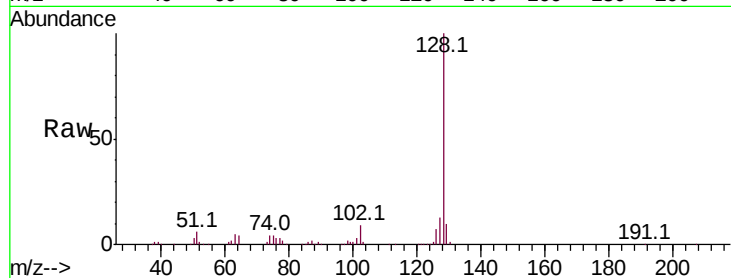




#95
Naphthalene
Concen: 51.082 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW016428.D
Acq: 31 Aug 2020 22:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 199216
Ion Ratio Lower Upper
128 100
127 13.4 10.2 15.4
129 11.0 8.3 12.5



#96
1,2,3-Trichlorobenzene
Concen: 49.355 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW016428.D
Acq: 31 Aug 2020 22:18

Tgt Ion:180 Resp: 91138
Ion Ratio Lower Upper
180 100
182 95.2 46.5 139.5
145 34.1 18.1 54.3

