

Data File : VW013973.D
Acq On : 12 Nov 2019 14:17
Operator : SY/VA
Sample : VSTDCCC050
Misc : 5.00G/5.0ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Quant Time: Nov 13 06:41:15 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 23 14:11:46 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	232217	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	321860	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	266341	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	131835	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	79677	45.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.48%	
35) Dibromofluoromethane	7.88	113	86861	48.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.14%	
50) Toluene-d8	10.32	98	363935	49.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.88%	
62) 4-Bromofluorobenzene	12.62	95	118833	48.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	59714	48.810	ug/l	97
3) Chloromethane	2.21	50	54225	41.242	ug/l	100
4) Vinyl Chloride	2.36	62	95112	47.901	ug/l	96
5) Bromomethane	2.78	94	60336	46.204	ug/l	99
6) Chloroethane	2.93	64	57233	47.636	ug/l	96
7) Trichlorofluoromethane	3.26	101	59999	48.378	ug/l	93
8) Diethyl Ether	3.68	74	42662	42.577	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	98915	49.060	ug/l	97
10) Methyl Iodide	4.27	142	152619	46.453	ug/l	99
11) Tert butyl alcohol	5.15	59	26212	252.053	ug/l	99
12) 1,1-Dichloroethene	4.04	96	103129	49.518	ug/l	95
13) Acrolein	3.89	56	30456	255.628	ug/l	99
14) Allyl chloride	4.66	41	150013	46.844	ug/l	99
15) Acrylonitrile	5.36	53	87102	213.783	ug/l	97
16) Acetone	4.11	43	95487	258.520	ug/l	100
17) Carbon Disulfide	4.38	76	287115	48.004	ug/l	100
18) Methyl Acetate	4.66	43	44284	43.737	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	109831	43.947	ug/l	100
20) Methylene Chloride	4.91	84	97367	47.693	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	106232	47.392	ug/l	98
22) Diisopropyl ether	6.31	45	266151	45.562	ug/l	96
23) Vinyl Acetate	6.25	43	725625	214.082	ug/l	99
24) 1,1-Dichloroethane	6.21	63	172049	46.506	ug/l	100
25) 2-Butanone	7.16	43	121295	228.416	ug/l	97
26) 2,2-Dichloropropane	7.16	77	98318	45.959	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	107988	45.357	ug/l	97
28) Bromochloromethane	7.51	49	63582	48.285	ug/l #	99
29) Tetrahydrofuran	7.52	42	74573	226.831	ug/l	99
30) Chloroform	7.67	83	170627	46.656	ug/l	98
31) Cyclohexane	7.95	56	176508	45.590	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	138891	48.395	ug/l	100
36) 1,1-Dichloropropene	8.08	75	147452	49.192	ug/l	98
37) Ethyl Acetate	7.25	43	49654	43.274	ug/l	99
38) Carbon Tetrachloride	8.07	117	135318	50.131	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	192373	49.696	ug/l	98
40) Benzene	8.32	78	399147	47.053	ug/l	100
41) Methacrylonitrile	7.48	41	27747	38.778	ug/l	97
42) 1,2-Dichloroethane	8.40	62	94121	44.030	ug/l	99
43) Isopropyl Acetate	8.42	43	94850	43.185	ug/l	100
44) Trichloroethene	9.09	130	114819	47.252	ug/l	97
45) 1,2-Dichloropropane	9.37	63	93085	45.940	ug/l	98
46) Dibromomethane	9.46	93	43503	44.236	ug/l	96
47) Bromodichloromethane	9.64	83	116856	45.924	ug/l	99
48) Methyl methacrylate	9.43	41	47599	43.702	ug/l	99
49) 1,4-Dioxane	9.44	88	14812	1019.249	ug/l #	92
51) 4-Methyl-2-Pentanone	10.21	43	241660	221.419	ug/l	100
52) Toluene	10.38	92	258919	47.318	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	114761	44.551	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	144814	45.566	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	62596	42.709	ug/l	98
56) Ethyl methacrylate	10.65	69	80121	43.693	ug/l	98
57) 1,3-Dichloropropane	10.93	76	109185	43.411	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	183424	217.341	ug/l	99
59) 2-Hexanone	10.97	43	171988	228.582	ug/l	99
60) Dibromochloromethane	11.13	129	76028	43.690	ug/l	100
61) 1,2-Dibromoethane	11.23	107	59193	42.689	ug/l	98
64) Tetrachloroethene	10.86	164	101118	49.691	ug/l	99
65) Chlorobenzene	11.66	112	262652	47.990	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	89851	47.040	ug/l	99
67) Ethyl Benzene	11.73	91	484328	49.076	ug/l	99
68) m/p-Xylenes	11.83	106	375853	98.574	ug/l	99
69) o-Xylene	12.16	106	168541	48.090	ug/l	99
70) Styrene	12.18	104	289805	48.128	ug/l	99
71) Bromoform	12.35	173	45177	45.069	ug/l #	97
73) Isopropylbenzene	12.46	105	491445	51.908	ug/l	99
74) N-amyl acetate	12.27	43	88427	48.283	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	69561	46.560	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	89983	95.043	ug/l #	100
77) Bromobenzene	12.74	156	108550	47.996	ug/l	98
78) n-propylbenzene	12.80	91	566850	51.729	ug/l	100
79) 2-Chlorotoluene	12.89	91	309445	50.250	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	403483	50.485	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	22771	45.454	ug/l	99
82) 4-Chlorotoluene	12.99	91	320403	49.560	ug/l	98
83) tert-Butylbenzene	13.21	119	360531	50.821	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	399611	50.688	ug/l	98
85) sec-Butylbenzene	13.38	105	501708	51.717	ug/l	99
86) p-Isopropyltoluene	13.50	119	464073	51.355	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	211838	48.343	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	208921	47.991	ug/l	100
89) n-Butylbenzene	13.82	91	417917	51.236	ug/l	100
90) Hexachloroethane	14.09	117	78903	50.234	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	183444	48.281	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	10714	47.424	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111219\
Quantitation Report (Not Reviewed)

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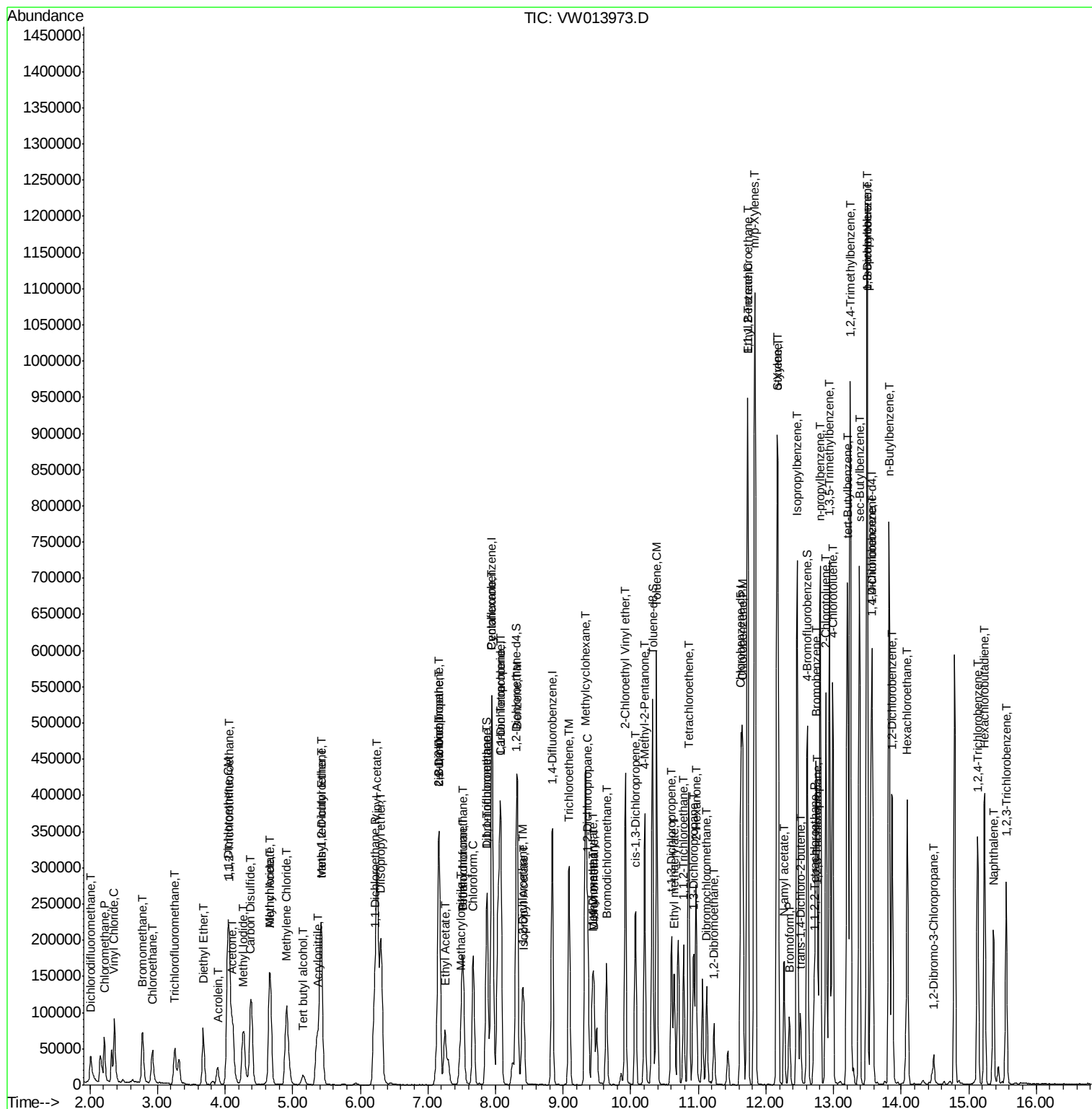
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	126978	45.921	ug/l	100
94) Hexachlorobutadiene	15.24	225	90629	48.550	ug/l	100
95) Naphthalene	15.36	128	190099	43.848	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	105518	44.286	ug/l	98

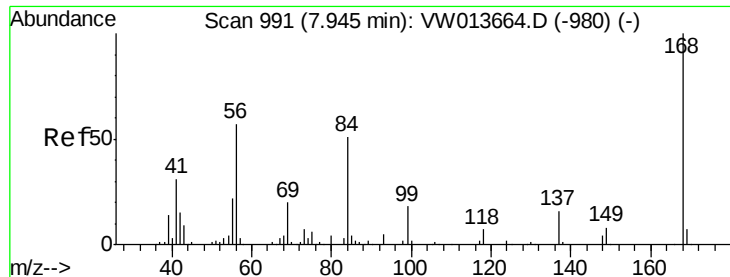
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013973.D

Acq: 12 Nov 2019 14:17

Instrument :

MSVOA_W

ClientSampleId :

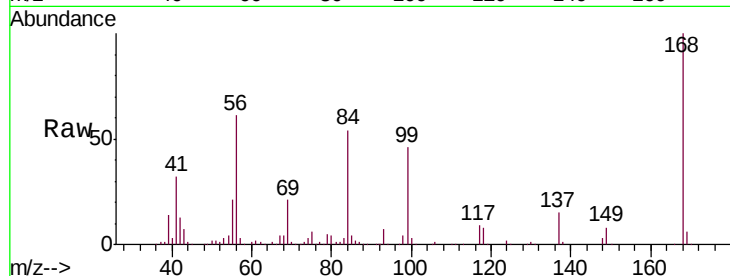
VSTDCCC050

Tgt Ion:168 Resp: 232217

Ion Ratio Lower Upper

168 100

99 46.2 39.0 58.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

60000

40000

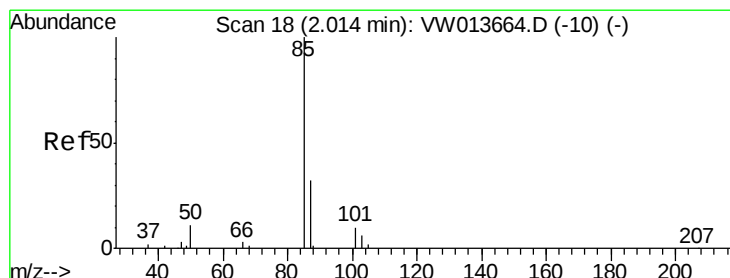
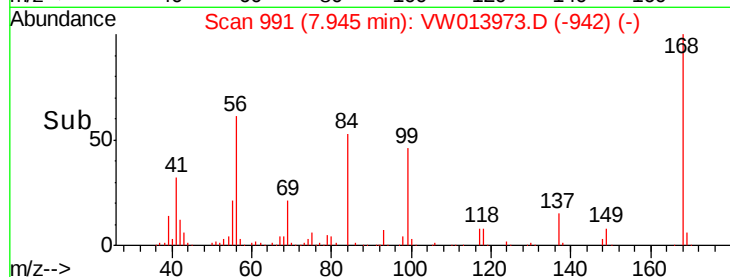
20000

0

Time--> 7.80

7.90

8.00



#2

Dichlorodifluoromethane

Concen: 48.810 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW013973.D

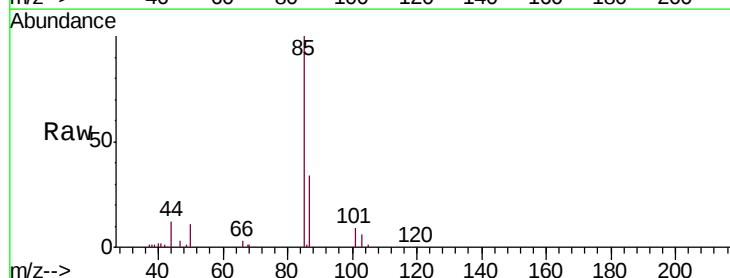
Acq: 12 Nov 2019 14:17

Tgt Ion: 85 Resp: 59714

Ion Ratio Lower Upper

85 100

87 33.9 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

20000

15000

10000

5000

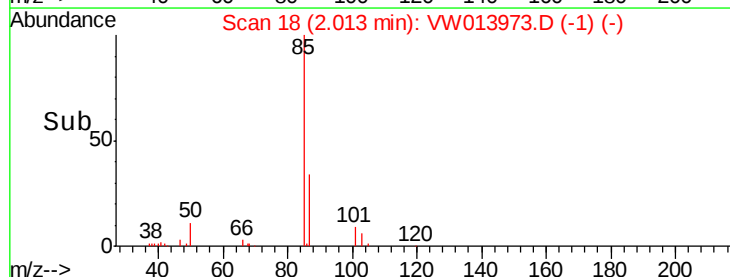
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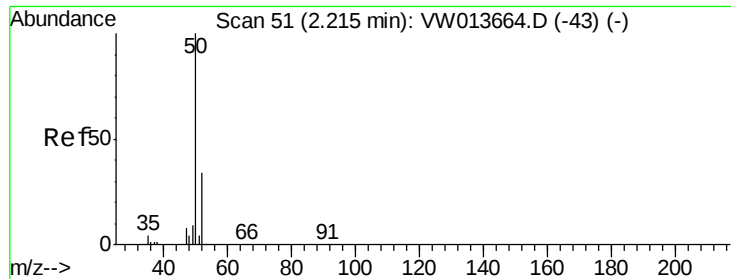
Time--> 1.90

2.00

2.10

2.20





#3

Chloromethane

Concen: 41.242 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW013973.D

Acq: 12 Nov 2019 14:17

Instrument :

MSVOA_W

ClientSampleId :

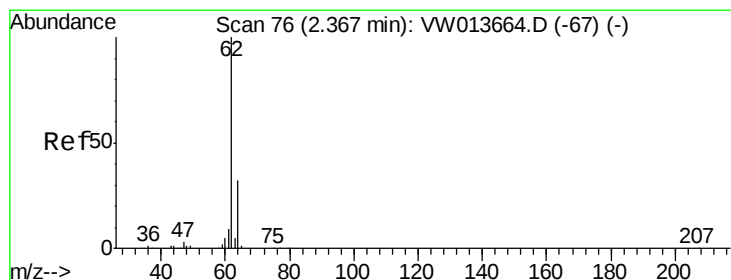
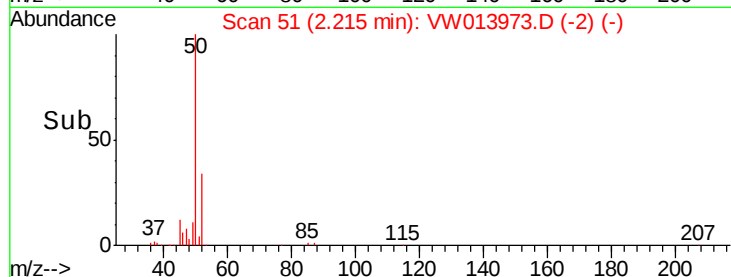
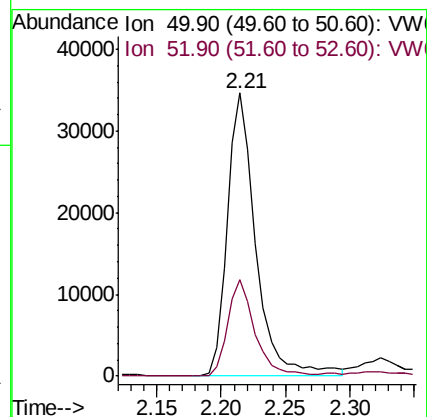
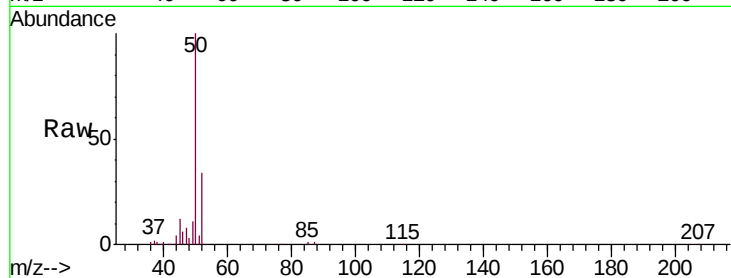
VSTDCCC050

Tgt Ion: 50 Resp: 54225

Ion Ratio Lower Upper

50 100

52 33.9 26.9 40.3



#4

Vinyl Chloride

Concen: 47.901 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW013973.D

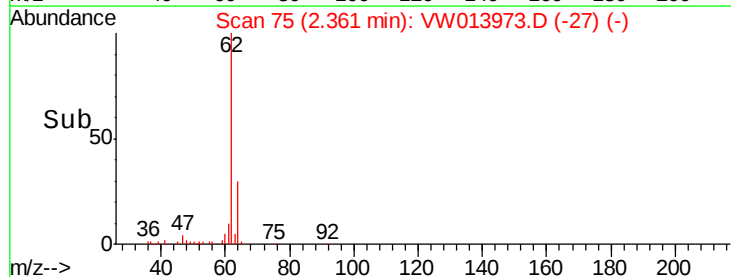
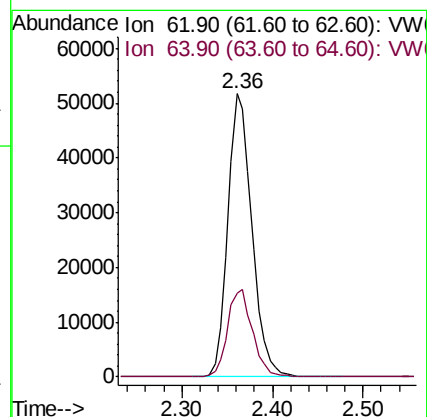
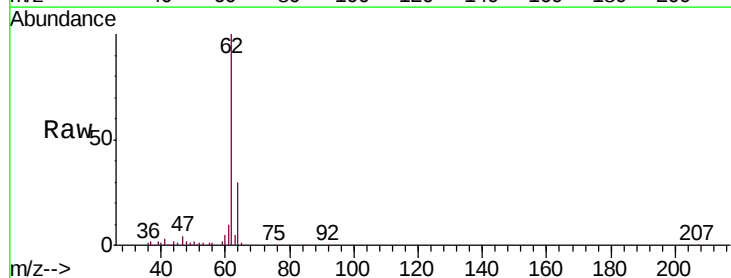
Acq: 12 Nov 2019 14:17

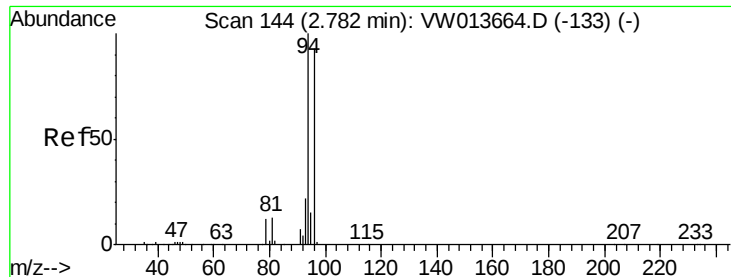
Tgt Ion: 62 Resp: 95112

Ion Ratio Lower Upper

62 100

64 29.5 25.5 38.3





#5

Bromomethane

Concen: 46.204 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW013973.D

Acq: 12 Nov 2019 14:17

Instrument :

MSVOA_W

ClientSampleId :

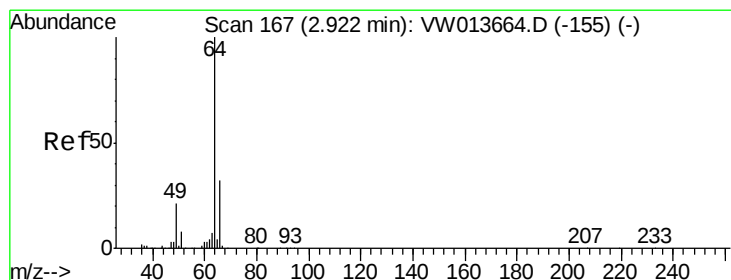
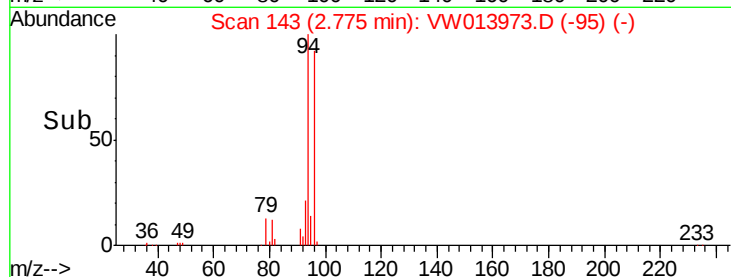
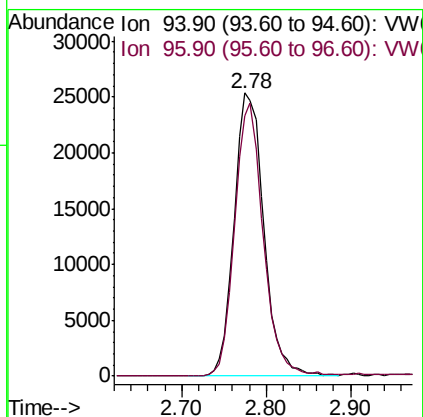
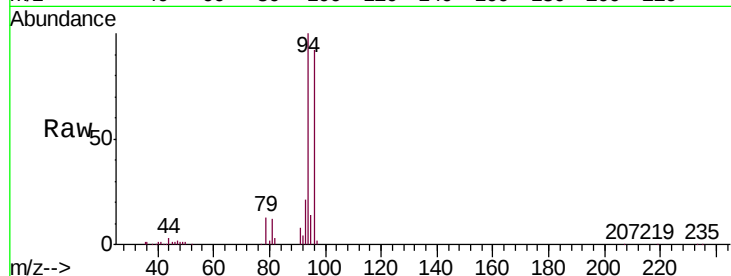
VSTDCCC050

Tgt Ion: 94 Resp: 60336

Ion Ratio Lower Upper

94 100

96 92.0 74.6 112.0



#6

Chloroethane

Concen: 47.636 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW013973.D

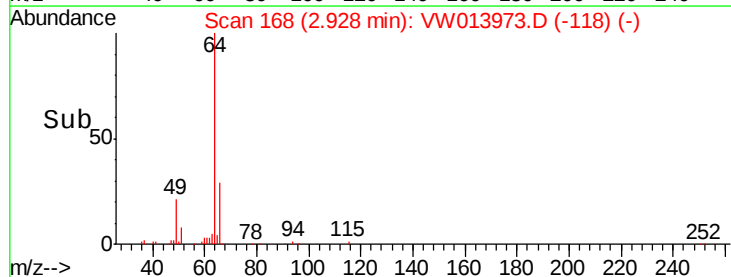
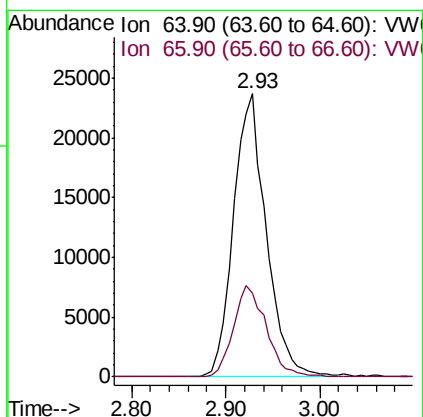
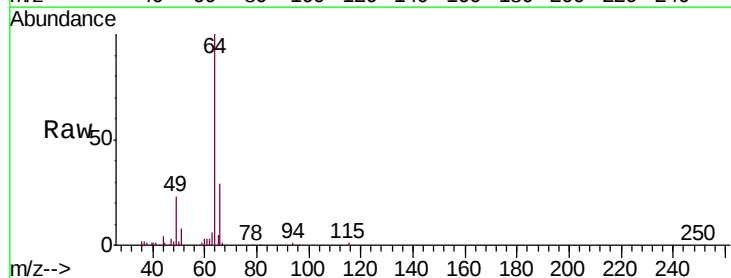
Acq: 12 Nov 2019 14:17

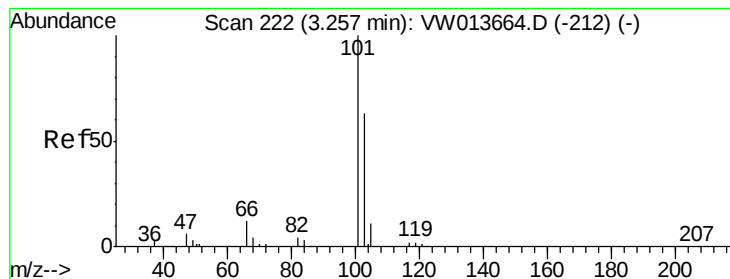
Tgt Ion: 64 Resp: 57233

Ion Ratio Lower Upper

64 100

66 29.5 25.4 38.0



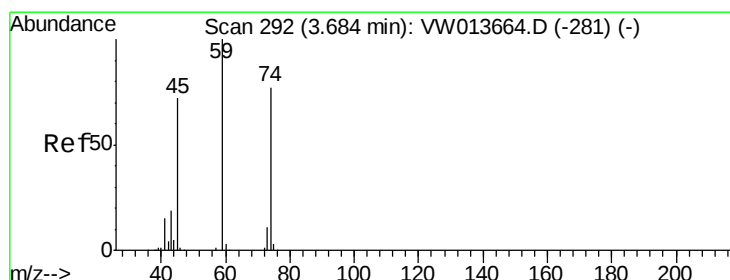
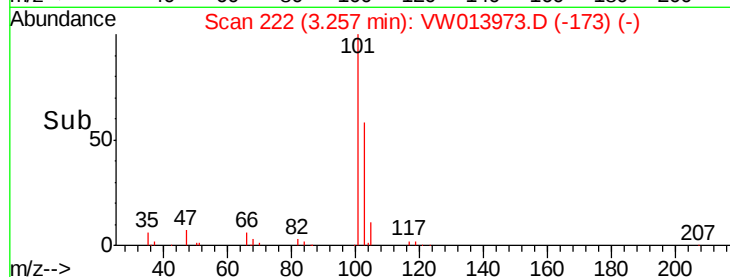
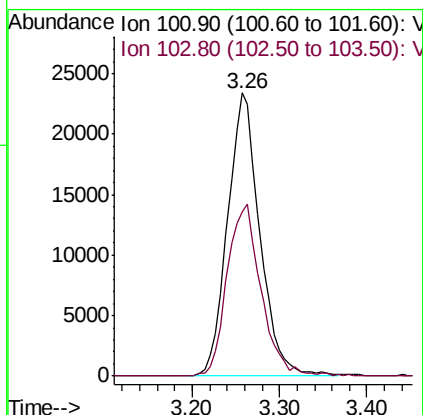
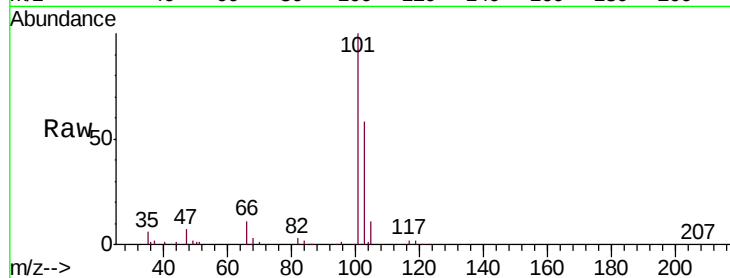


#7

Trichlorofluoromethane
Concen: 48.378 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.00 min
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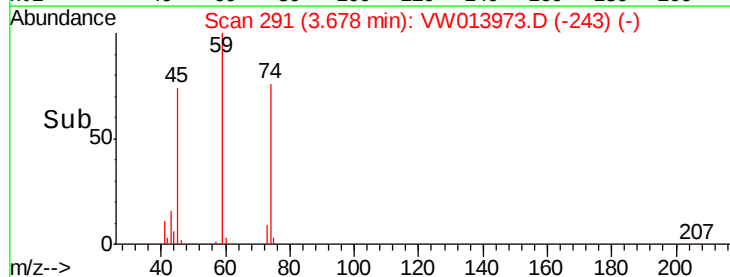
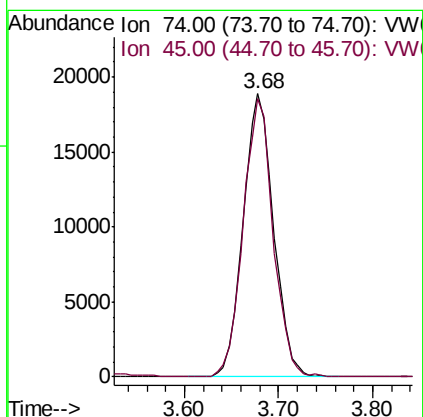
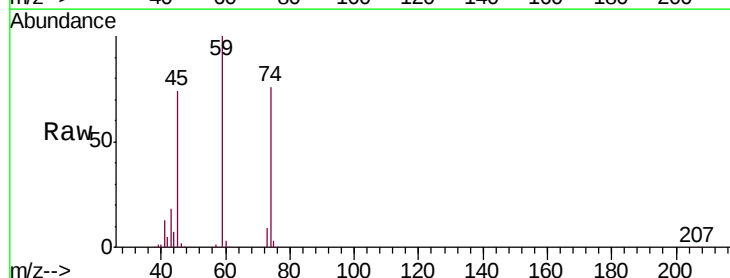
Tgt Ion:101 Resp: 59999
Ion Ratio Lower Upper
101 100
103 58.2 50.6 76.0

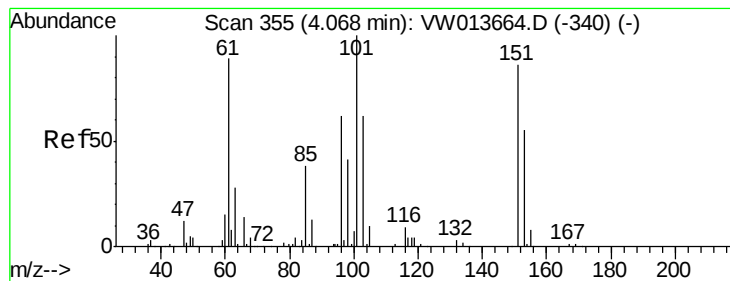


#8

Diethyl Ether
Concen: 42.577 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.01 min
Lab File: VW013973.D
Acq: 12 Nov 2019 14:17

Tgt Ion: 74 Resp: 42662
Ion Ratio Lower Upper
74 100
45 96.8 47.9 143.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.060 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW013973.D

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Instrument :

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VSTDCCC050

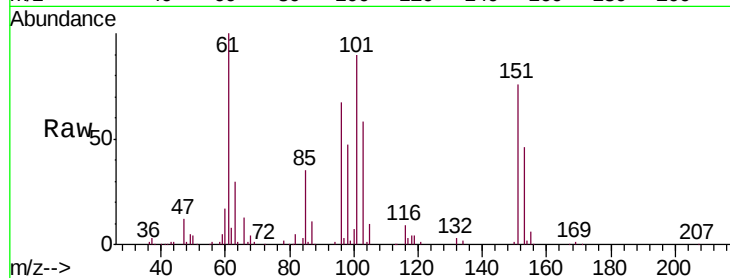
Tgt Ion:101 Resp: 98915

Ion Ratio Lower Upper

101 100

85 41.3 31.0 46.6

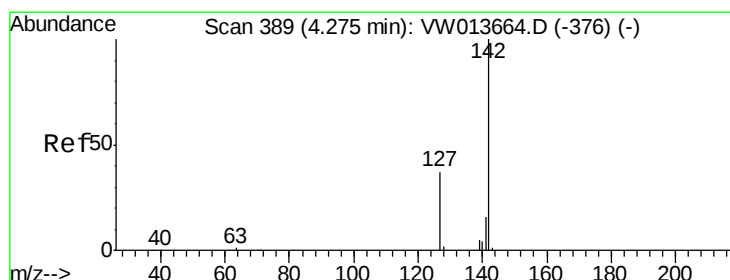
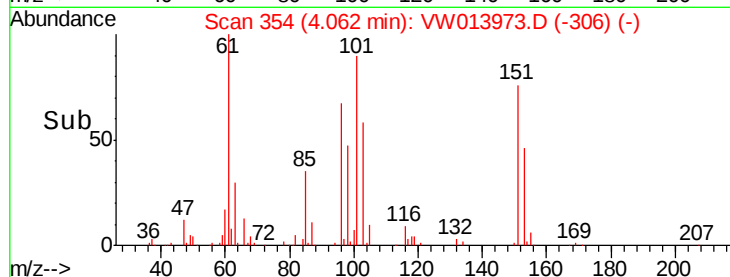
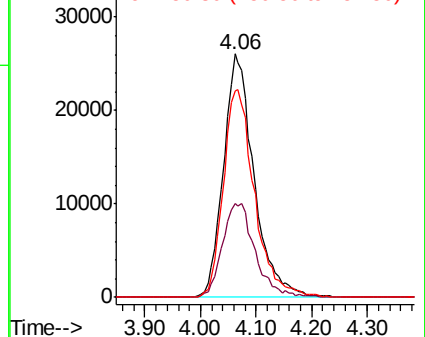
151 87.2 68.2 102.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 46.453 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.01 min

Lab File: VW013973.D

Acq: 12 Nov 2019 14:17

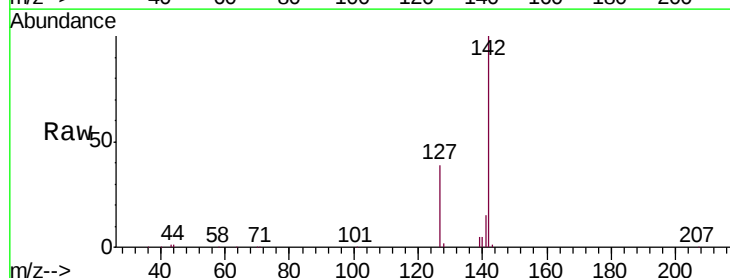
Tgt Ion:142 Resp: 152619

Ion Ratio Lower Upper

142 100

127 38.5 30.3 45.5

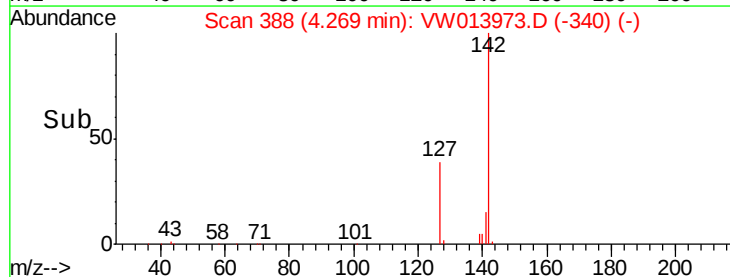
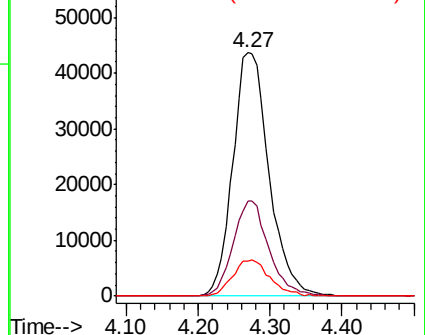
141 15.3 11.8 17.8

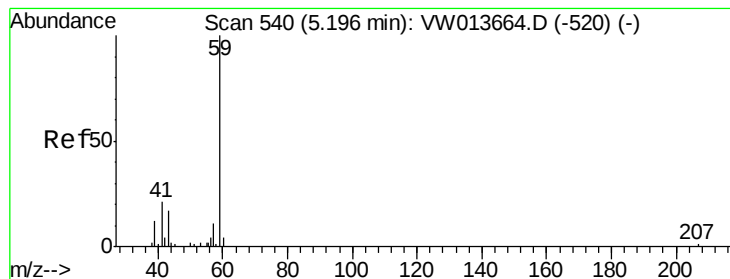


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 252.053 ug/l

RT: 5.15 min Scan# 532

Delta R.T. -0.05 min

Lab File: VW013973.D

Acq: 12 Nov 2019 14:17

Instrument :

MSVOA_W

ClientSampleId :

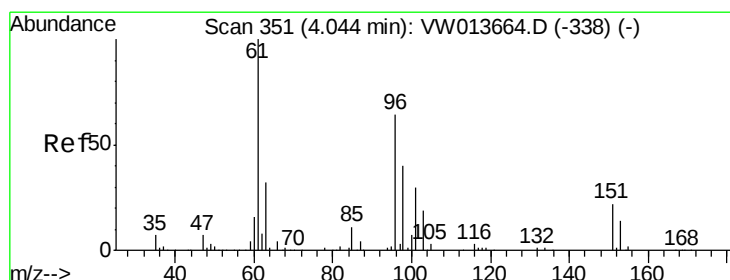
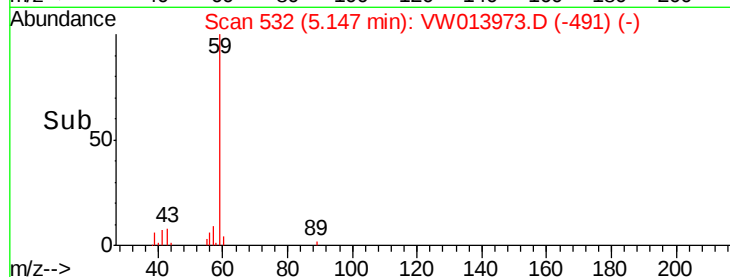
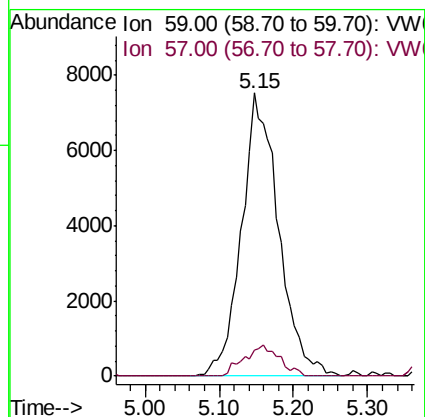
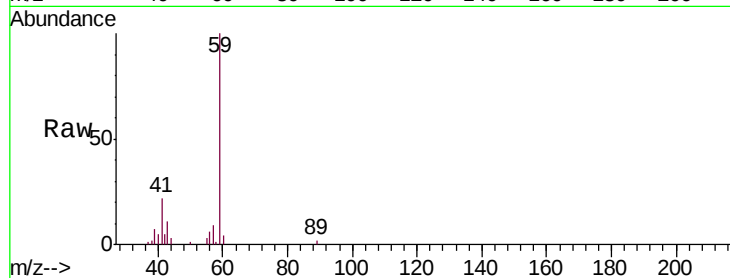
VSTDCCC050

Tgt Ion: 59 Resp: 26212

Ion Ratio Lower Upper

59 100

57 10.5 8.8 13.2



#12

1,1-Dichloroethene

Concen: 49.518 ug/l

RT: 4.04 min Scan# 351

Delta R.T. -0.00 min

Lab File: VW013973.D

Acq: 12 Nov 2019 14:17

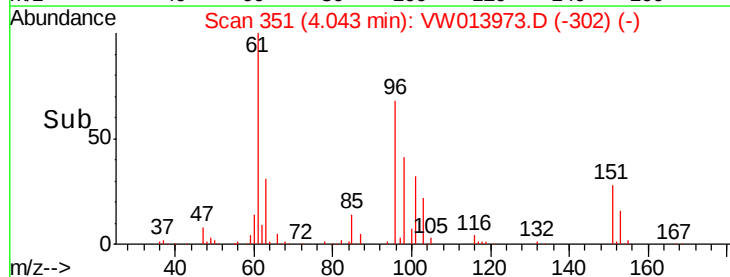
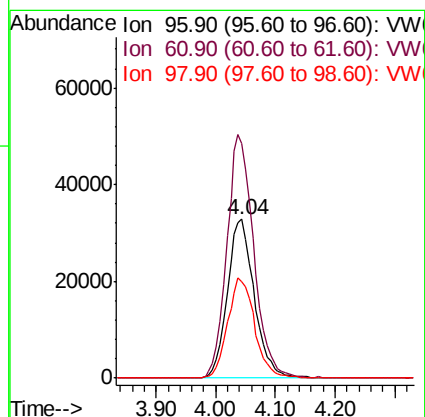
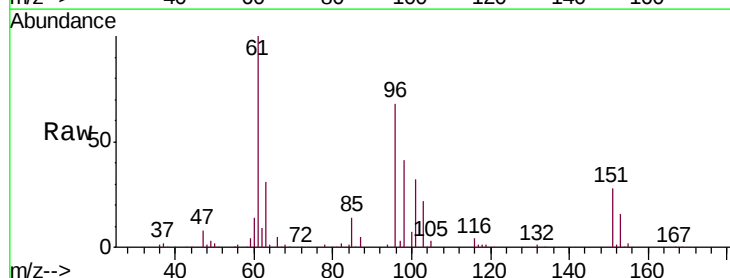
Tgt Ion: 96 Resp: 103129

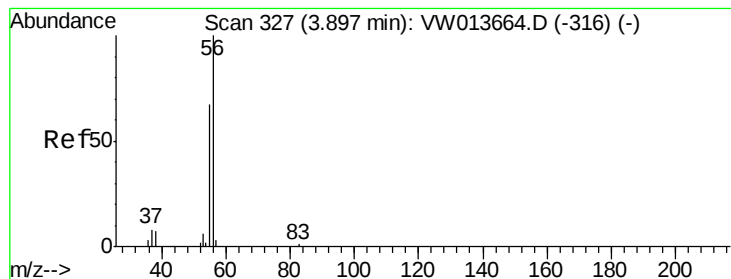
Ion Ratio Lower Upper

96 100

61 147.8 125.0 187.6

98 60.7 50.3 75.5





#13

Acrolein

Concen: 255.628 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.01 min

Lab File: VW013973.D

Acq: 12 Nov 2019 14:17

Instrument :

MSVOA_W

ClientSampleId :

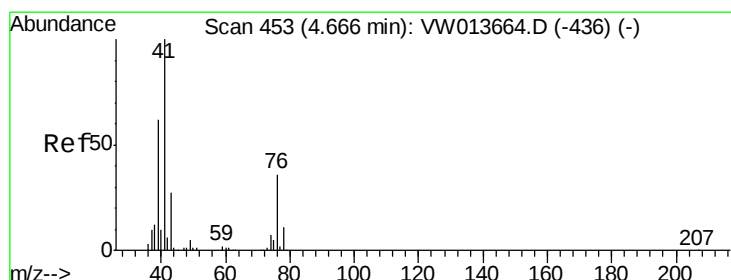
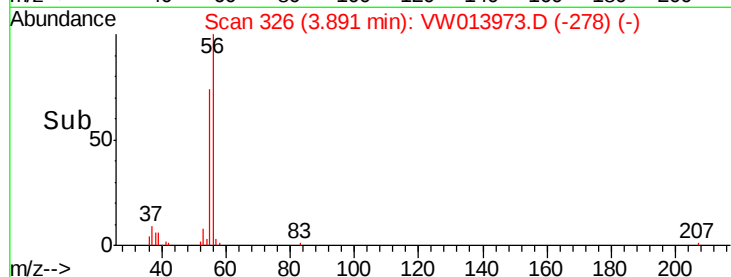
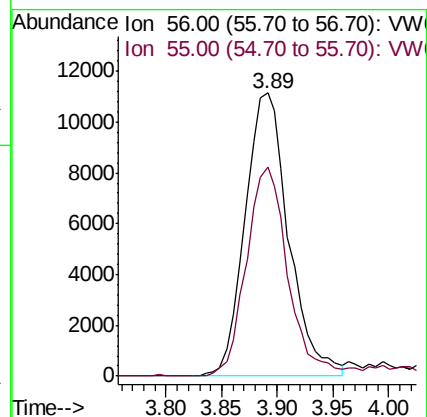
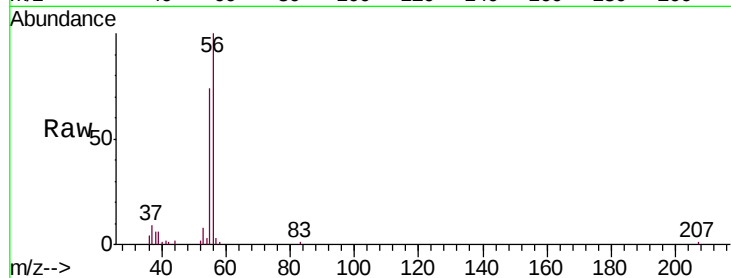
VSTDCCC050

Tgt Ion: 56 Resp: 30456

Ion Ratio Lower Upper

56 100

55 70.9 56.1 84.1



#14

Allyl chloride

Concen: 46.844 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW013973.D

Acq: 12 Nov 2019 14:17

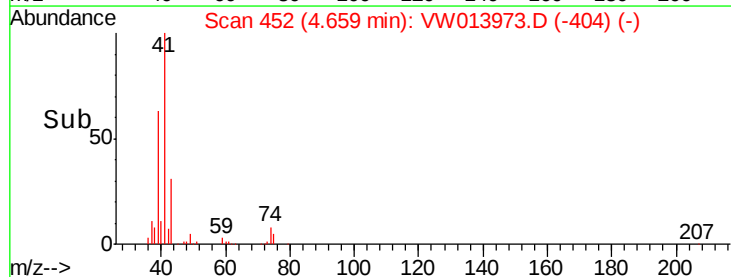
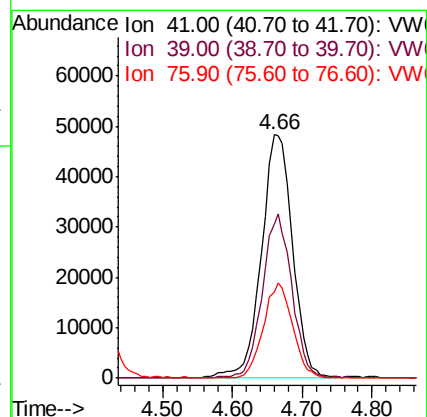
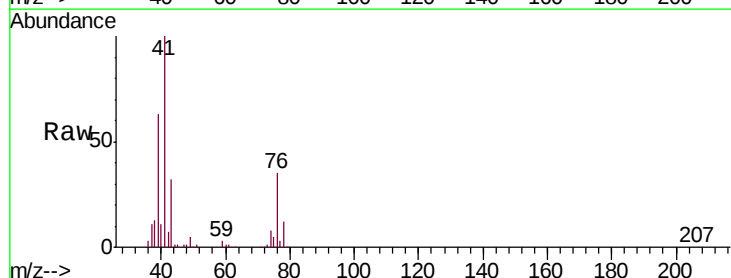
Tgt Ion: 41 Resp: 150013

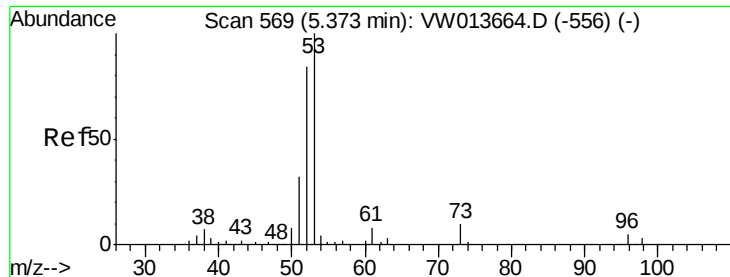
Ion Ratio Lower Upper

41 100

39 63.4 50.0 75.0

76 36.4 29.6 44.4





#15

Acrylonitrile

Concen: 213.783 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW013973.D

Acq: 12 Nov 2019 14:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

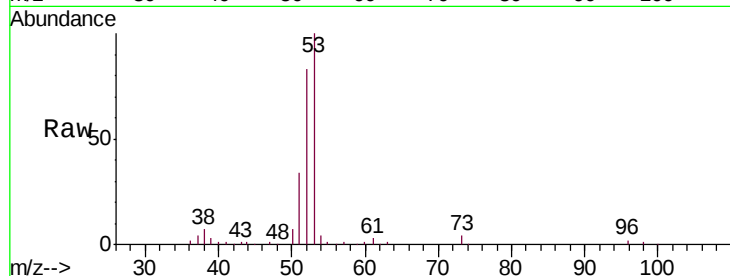
Tgt Ion: 53 Resp: 87102

Ion Ratio Lower Upper

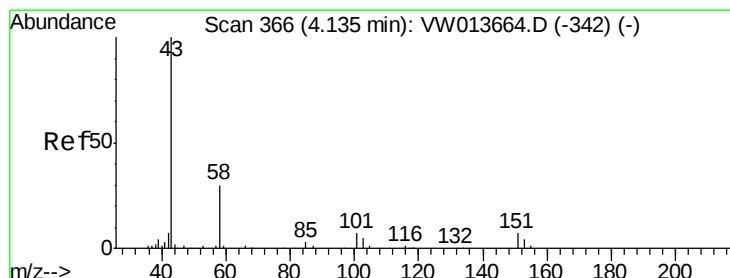
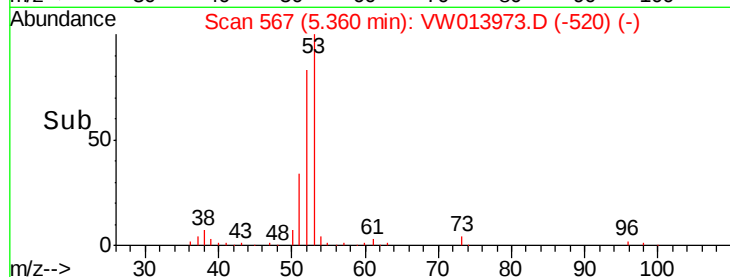
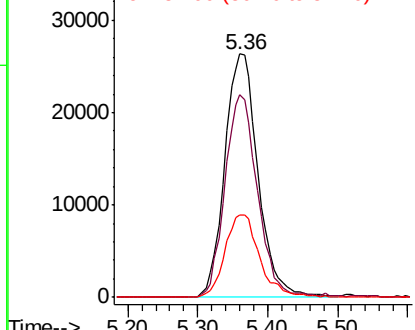
53 100

52 81.2 67.4 101.0

51 35.4 29.1 43.7



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



#16

Acetone

Concen: 258.520 ug/l

RT: 4.11 min Scan# 362

Delta R.T. -0.02 min

Lab File: VW013973.D

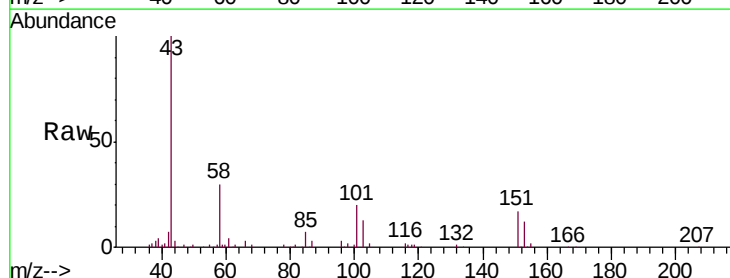
Acq: 12 Nov 2019 14:17

Tgt Ion: 43 Resp: 95487

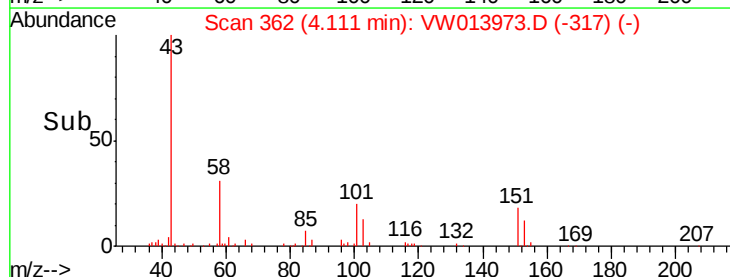
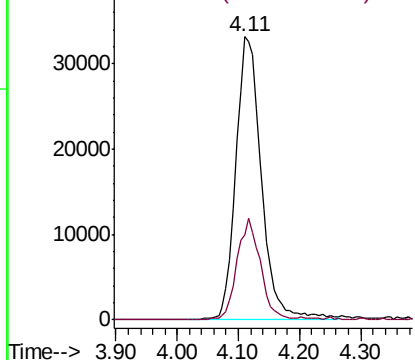
Ion Ratio Lower Upper

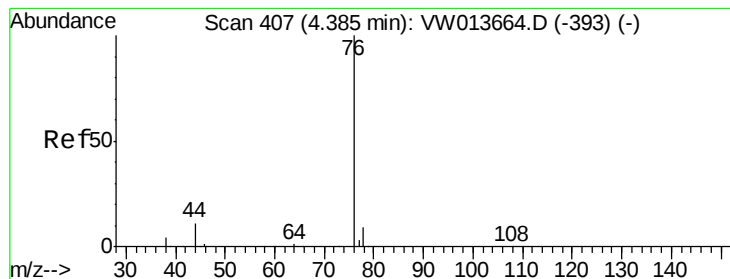
43 100

58 30.2 24.1 36.1



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





#17

Carbon Disulfide

Concen: 48.004 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW013973.D

Acq: 12 Nov 2019 14:17

Instrument :

MSVOA_W

ClientSampled :

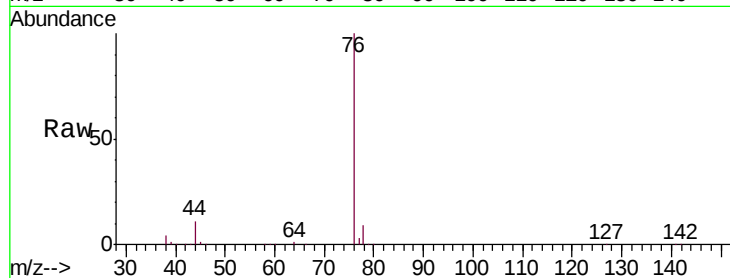
VSTDCCC050

Tgt Ion: 76 Resp: 287115

Ion Ratio Lower Upper

76 100

78 8.8 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.38

100000

80000

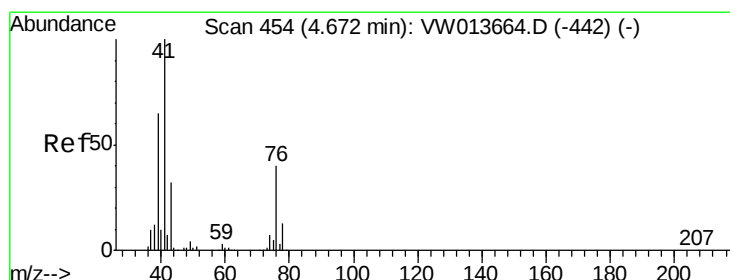
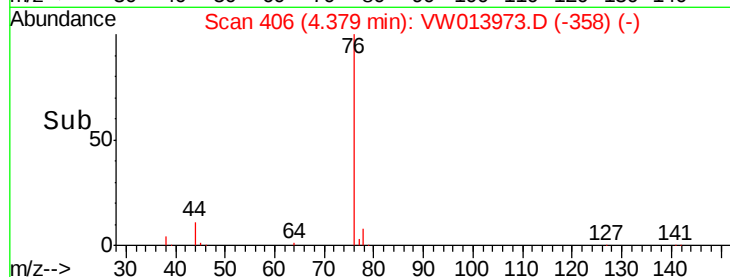
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 43.737 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW013973.D

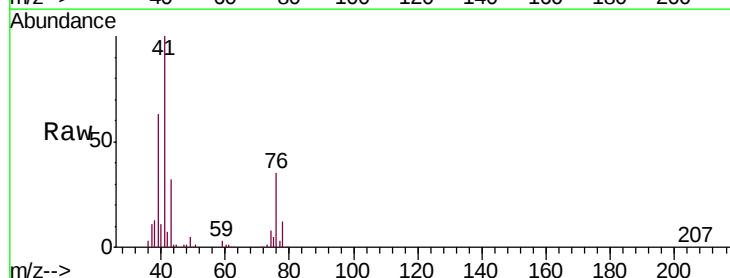
Acq: 12 Nov 2019 14:17

Tgt Ion: 43 Resp: 44284

Ion Ratio Lower Upper

43 100

74 23.9 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.66

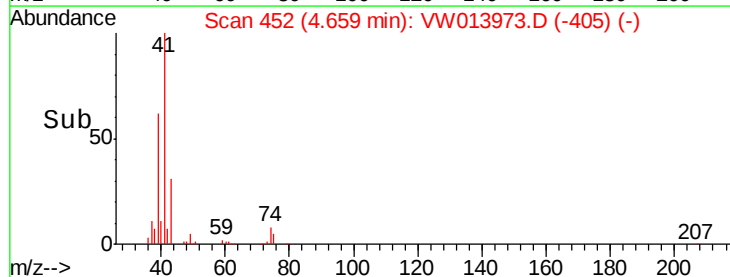
15000

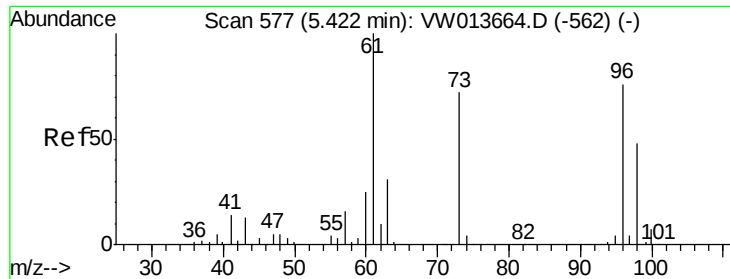
10000

5000

0

Time-->

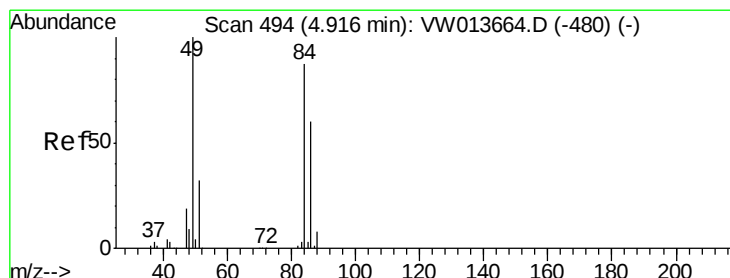
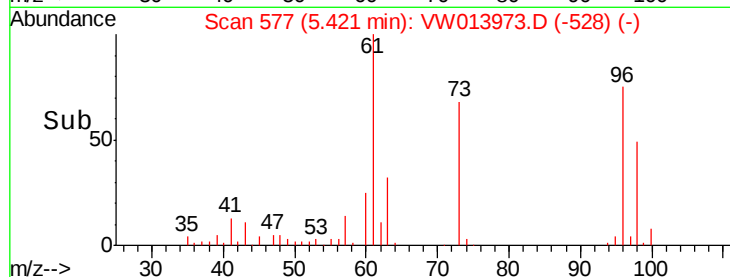
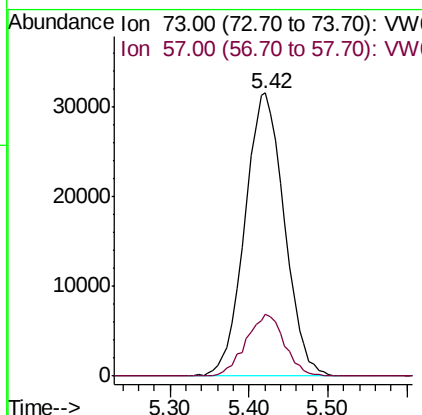
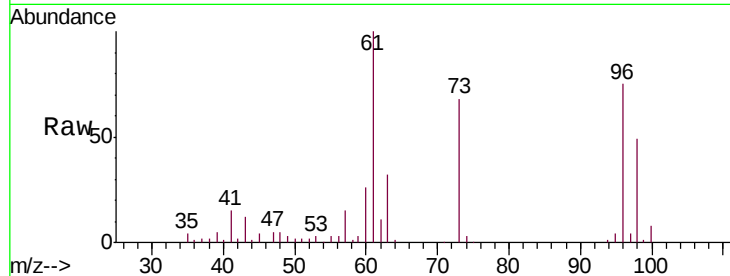




#19
Methyl tert-butyl Ether
Concen: 43.947 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW013973.D
Acq: 12 Nov 2019 14:17

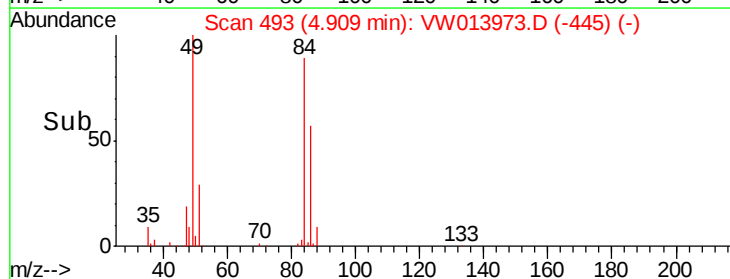
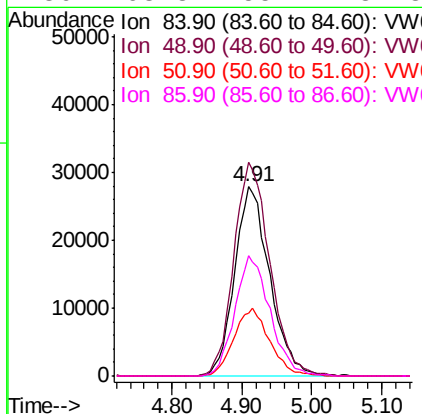
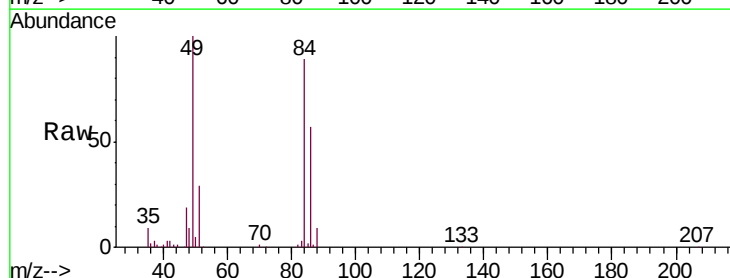
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

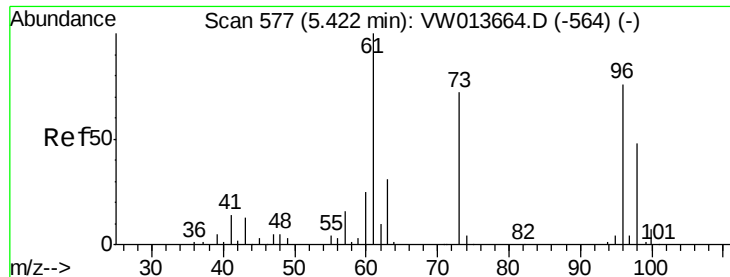
Tgt Ion: 73 Resp: 109831
Ion Ratio Lower Upper
73 100
57 22.1 17.6 26.4



#20
Methylene Chloride
Concen: 47.693 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW013973.D
Acq: 12 Nov 2019 14:17

Tgt Ion: 84 Resp: 97367
Ion Ratio Lower Upper
84 100
49 112.8 91.8 137.6
51 33.1 29.8 44.6
86 63.8 55.2 82.8





#21

trans-1,2-Dichloroethene

Concen: 47.392 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW013973.D

Acq: 12 Nov 2019 14:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

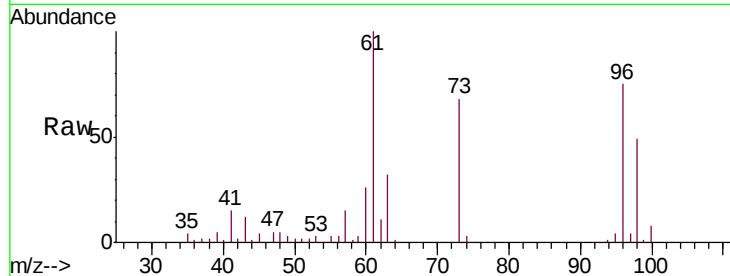
Tgt Ion: 96 Resp: 106232

Ion Ratio Lower Upper

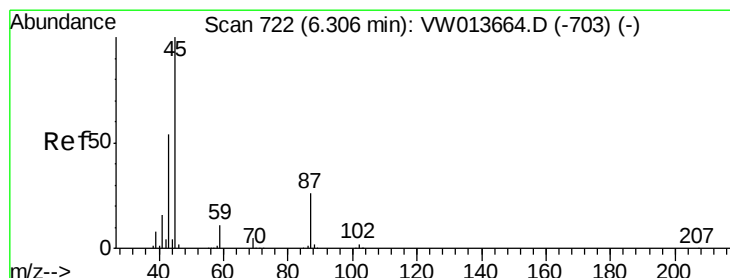
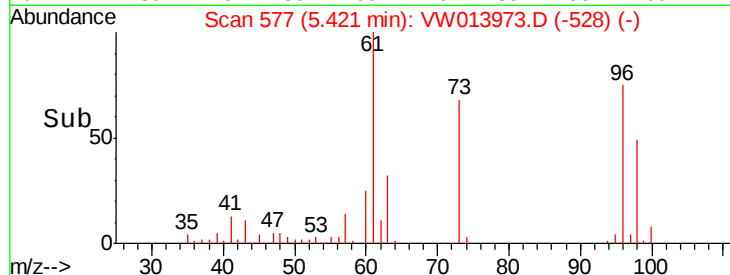
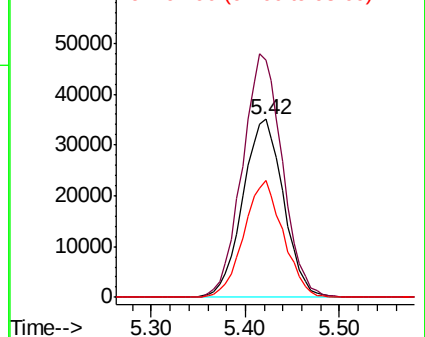
96 100

61 133.3 104.8 157.2

98 65.7 50.6 76.0



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



#22

Diisopropyl ether

Concen: 45.562 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW013973.D

Acq: 12 Nov 2019 14:17

Tgt Ion: 45 Resp: 266151

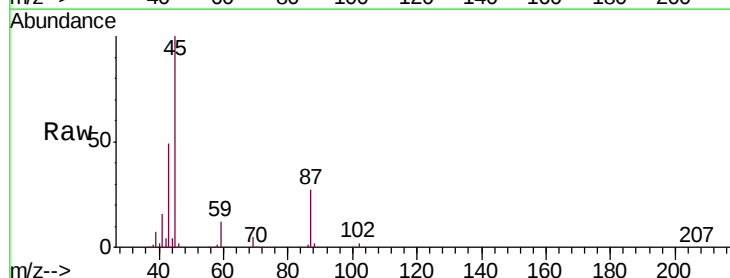
Ion Ratio Lower Upper

45 100

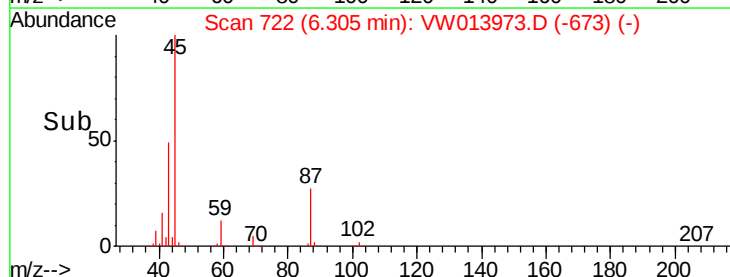
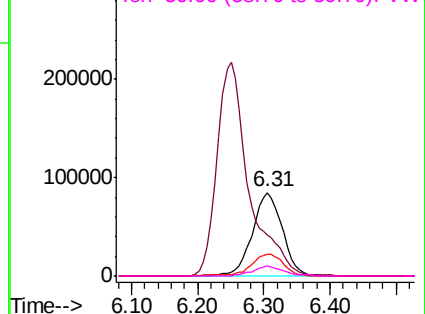
43 49.0 43.4 65.2

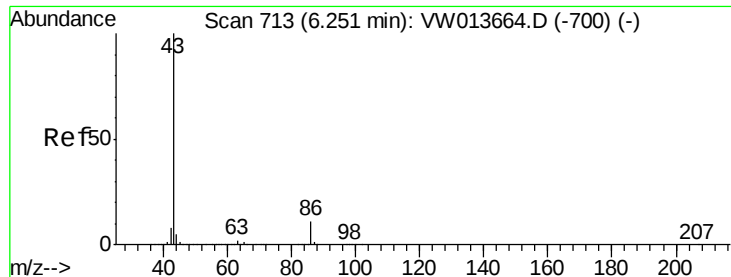
87 26.8 21.5 32.3

59 11.7 9.2 13.8



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

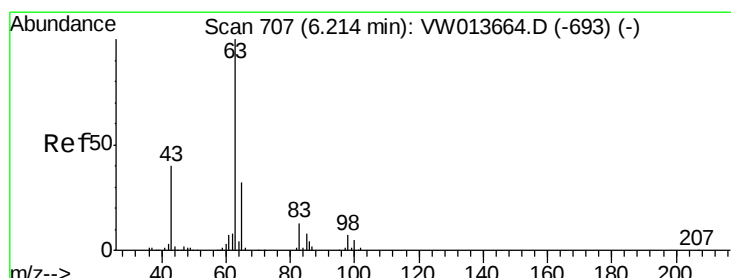
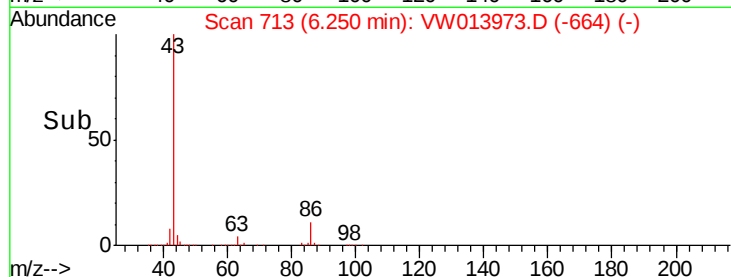
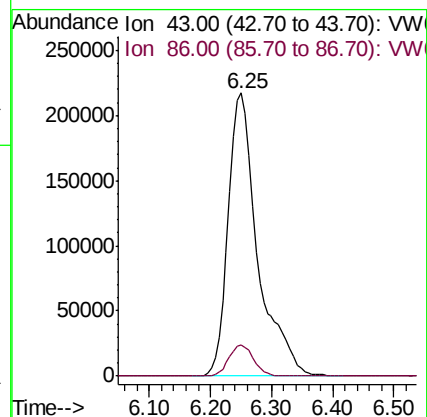
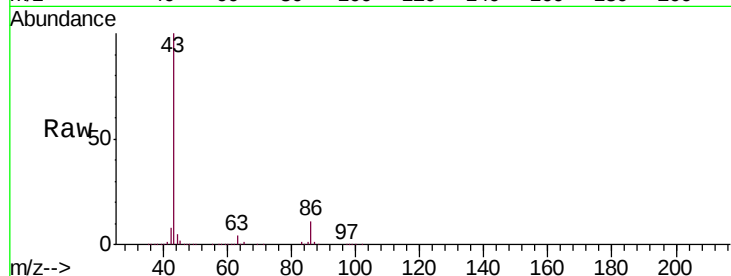




#23
 Vinyl Acetate
 Concen: 214.082 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VW013973.D
 Acq: 12 Nov 2019 14:17

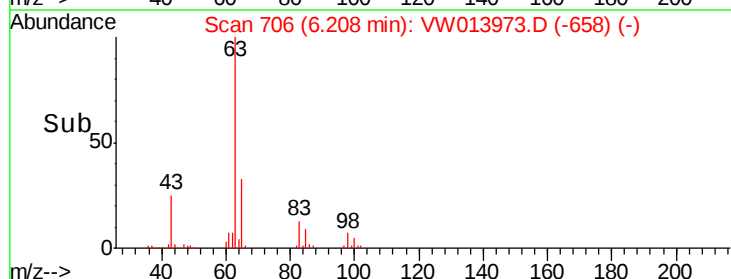
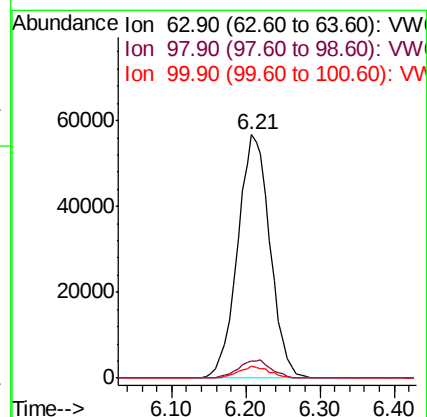
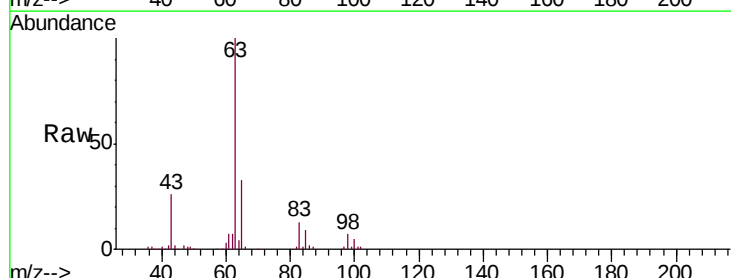
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

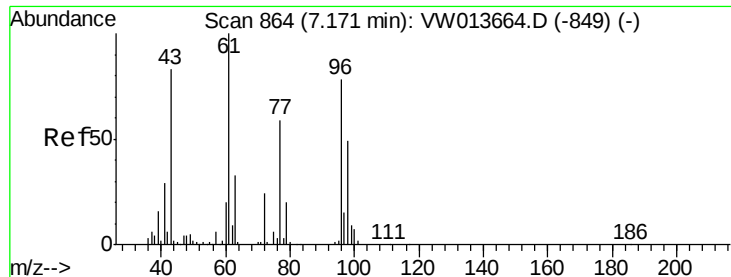
Tgt Ion: 43 Resp: 725625
 Ion Ratio Lower Upper
 43 100
 86 11.0 9.0 13.6



#24
 1,1-Dichloroethane
 Concen: 46.506 ug/l
 RT: 6.21 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VW013973.D
 Acq: 12 Nov 2019 14:17

Tgt Ion: 63 Resp: 172049
 Ion Ratio Lower Upper
 63 100
 98 7.2 3.6 10.9
 100 4.7 2.5 7.4





#25

2-Butanone

Concen: 228.416 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW013973.D

Acq: 12 Nov 2019 14:17

Instrument :

MSVOA_W

ClientSampled :

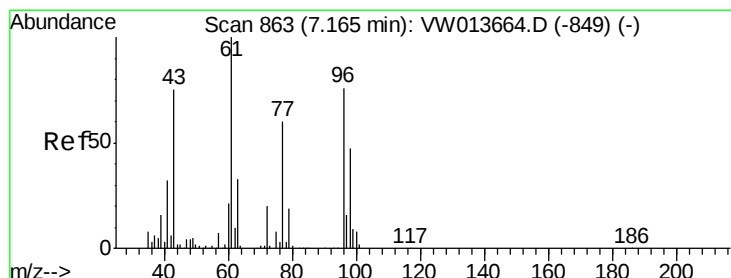
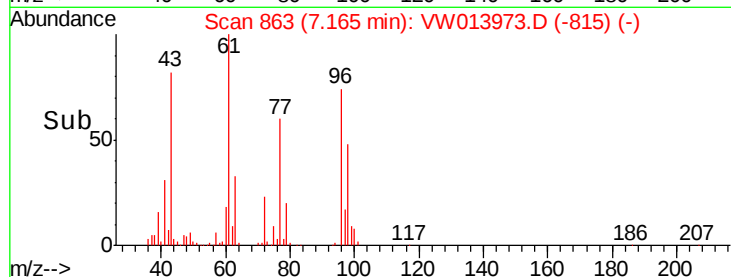
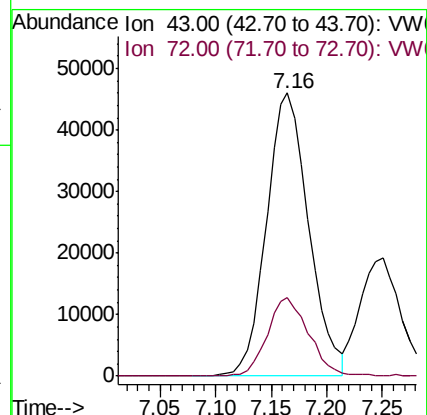
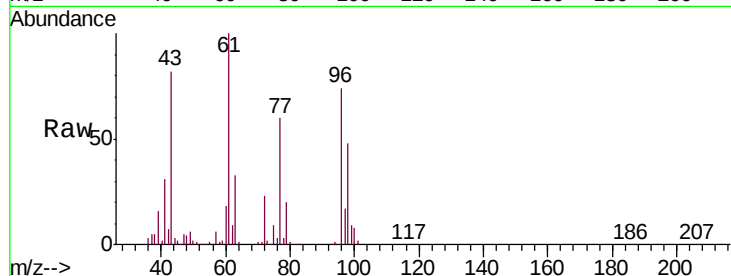
VSTDCCC050

Tgt Ion: 43 Resp: 121295

Ion Ratio Lower Upper

43 100

72 28.0 23.6 35.4



#26

2,2-Dichloropropane

Concen: 45.959 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013973.D

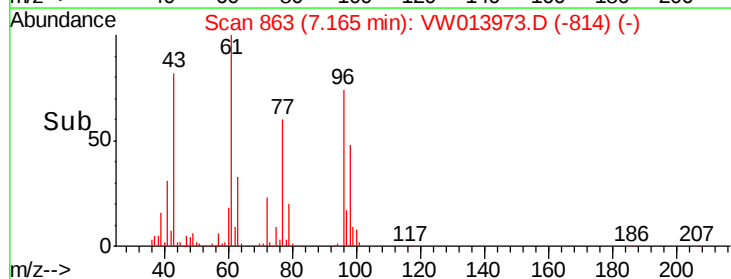
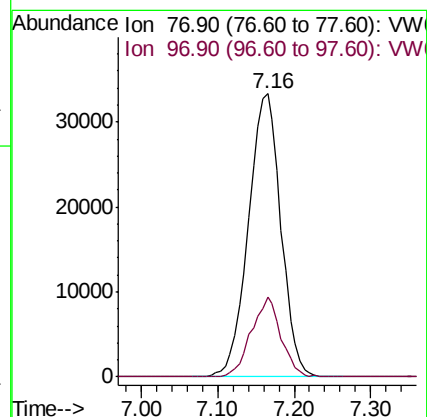
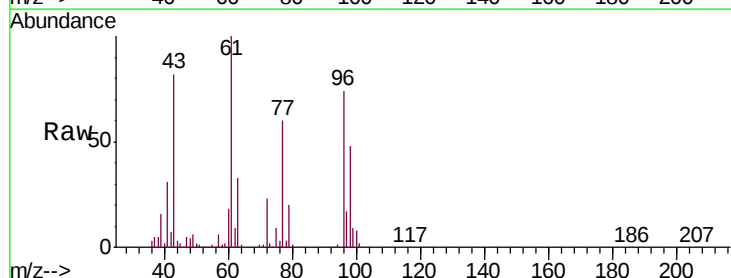
Acq: 12 Nov 2019 14:17

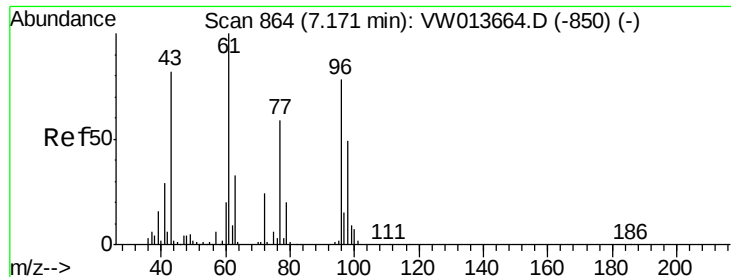
Tgt Ion: 77 Resp: 98318

Ion Ratio Lower Upper

77 100

97 25.6 12.8 38.4



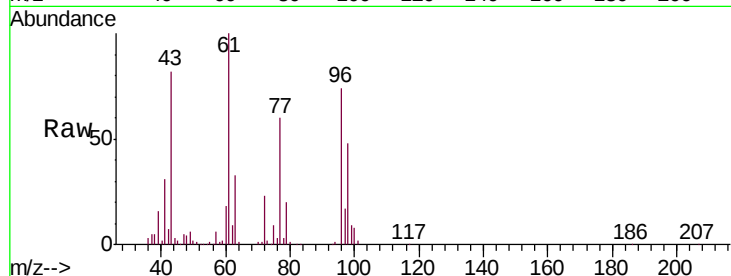


#27

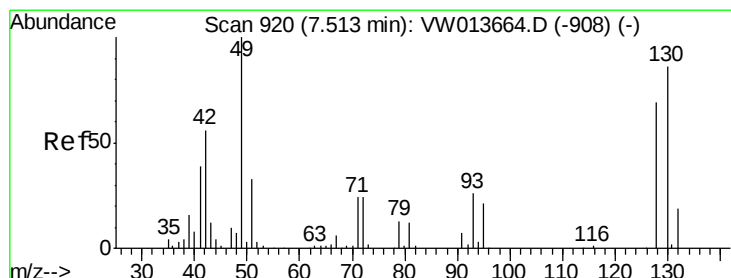
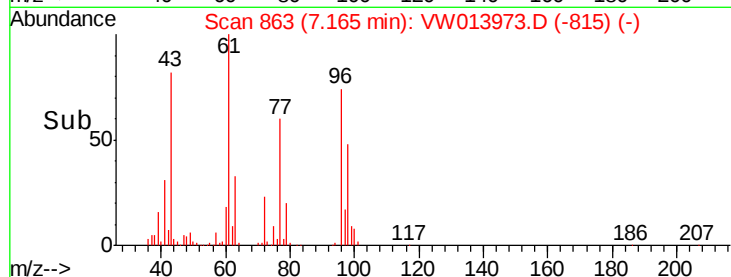
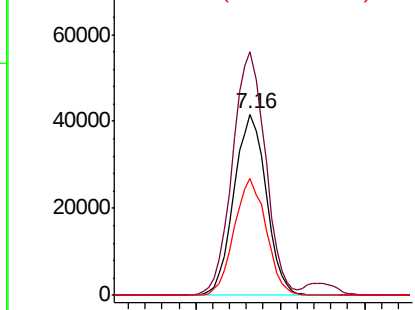
cis-1,2-Dichloroethene
Concen: 45.357 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW013973.D
Acq: 12 Nov 2019 14:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 107988
Ion Ratio Lower Upper
96 100
61 137.8 0.0 266.0
98 63.9 0.0 126.8



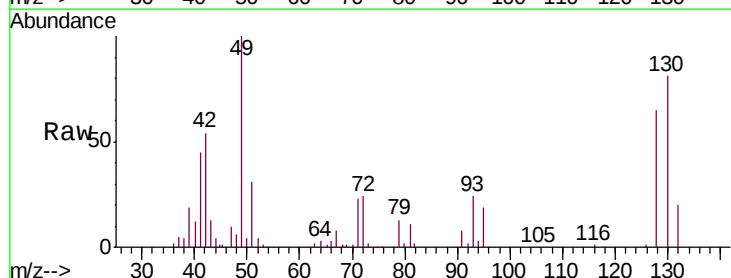
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



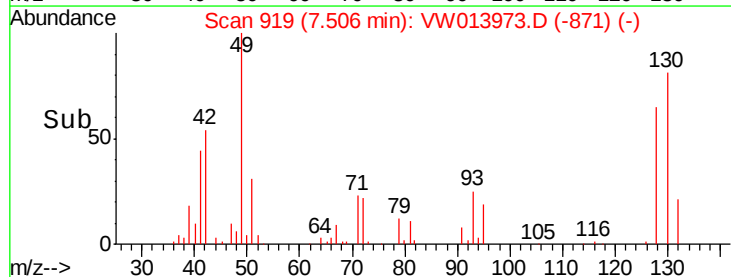
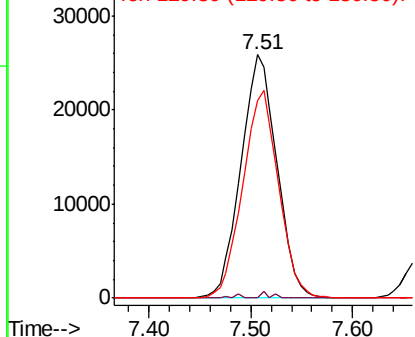
#28

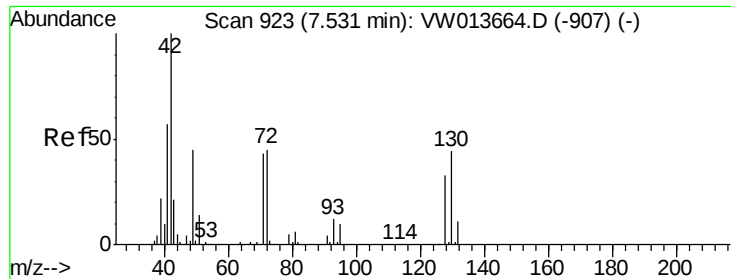
Bromochloromethane
Concen: 48.285 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW013973.D
Acq: 12 Nov 2019 14:17

Tgt Ion: 49 Resp: 63582
Ion Ratio Lower Upper
49 100
129 0.7 0.0 0.6#
130 85.1 67.5 101.3



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

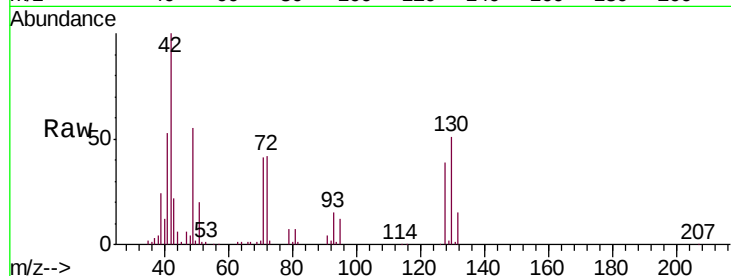




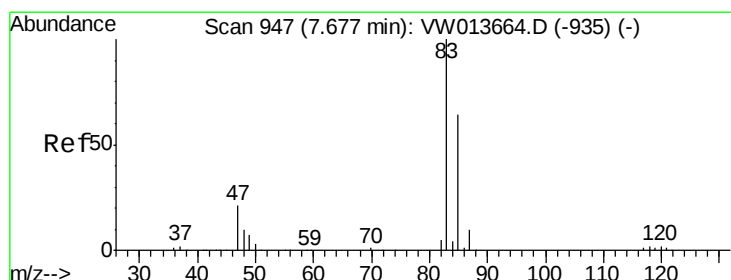
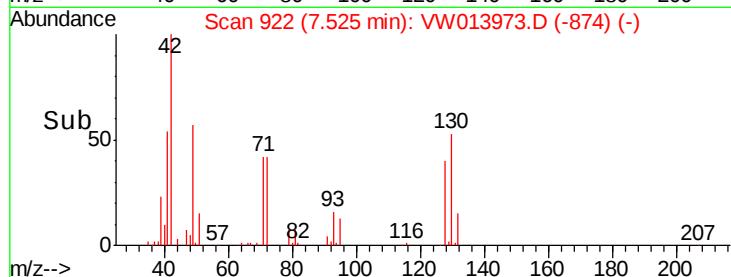
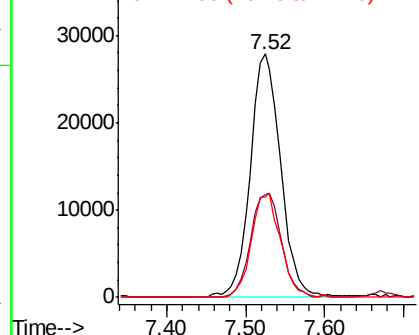
#29
Tetrahydrofuran
Concen: 226.831 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW013973.D
Acq: 12 Nov 2019 14:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 74573
Ion Ratio Lower Upper
42 100
72 43.3 35.3 52.9
71 41.2 33.3 49.9

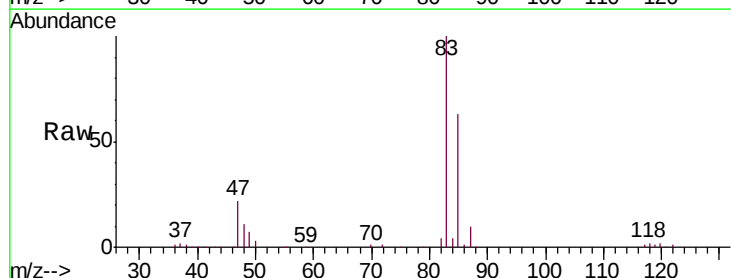


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

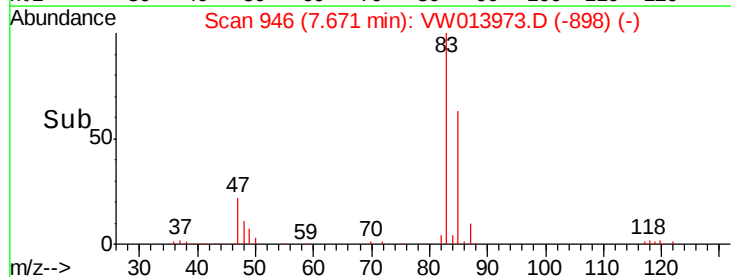
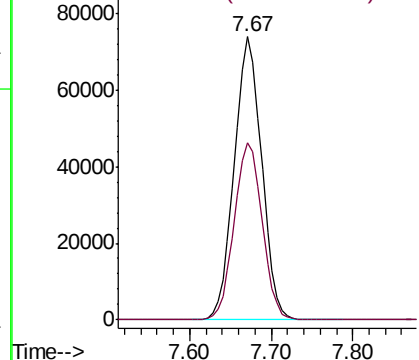


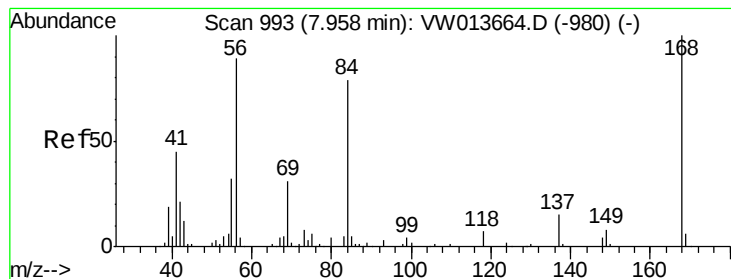
#30
Chloroform
Concen: 46.656 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW013973.D
Acq: 12 Nov 2019 14:17

Tgt Ion: 83 Resp: 170627
Ion Ratio Lower Upper
83 100
85 62.8 51.4 77.2



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





#31

Cyclohexane

Concen: 45.590 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW013973.D

Acq: 12 Nov 2019 14:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

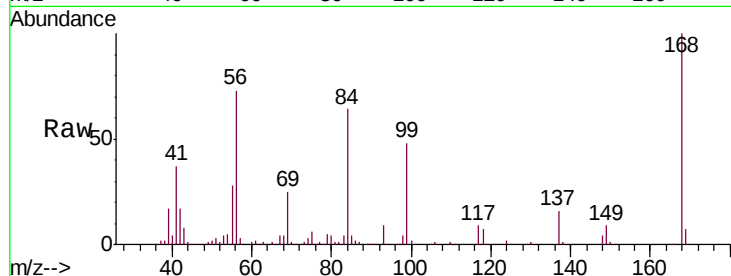
Tgt Ion: 56 Resp: 176508

Ion Ratio Lower Upper

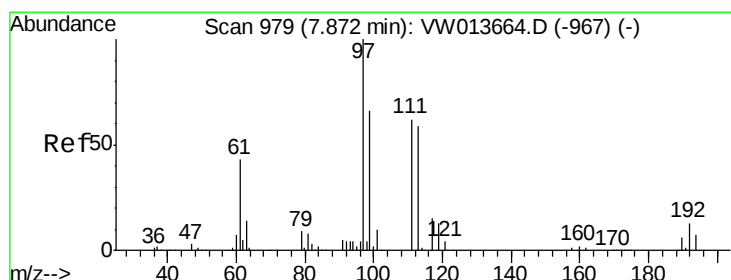
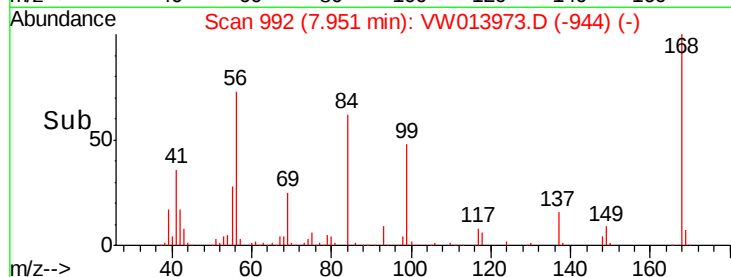
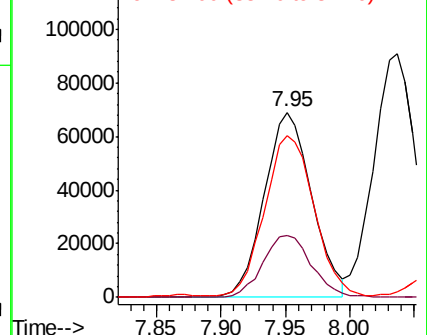
56 100

69 33.7 27.5 41.3

84 86.7 70.8 106.2



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



#32

1,1,1-Trichloroethane

Concen: 48.395 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW013973.D

Acq: 12 Nov 2019 14:17

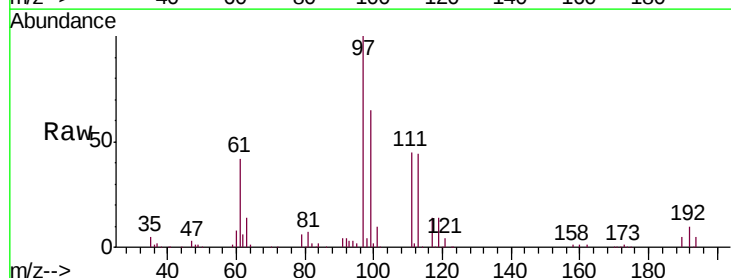
Tgt Ion: 97 Resp: 138891

Ion Ratio Lower Upper

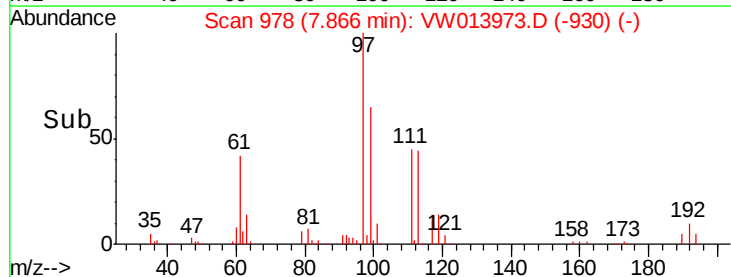
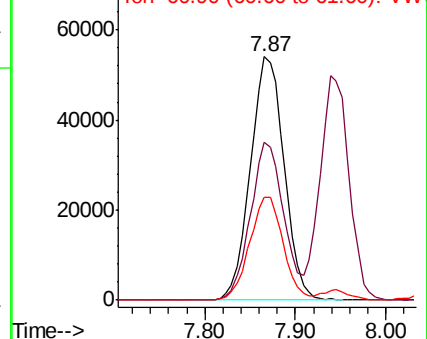
97 100

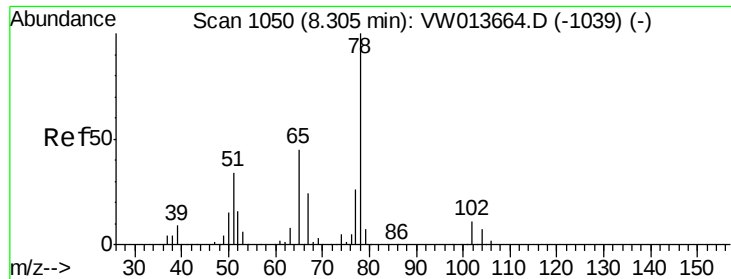
99 64.8 52.0 78.0

61 42.0 33.8 50.6



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

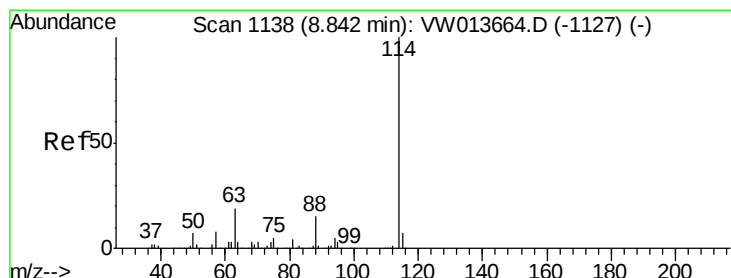
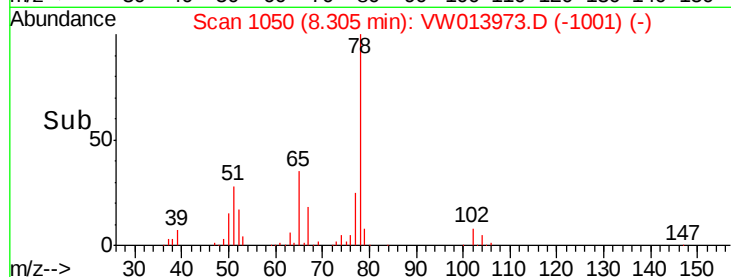
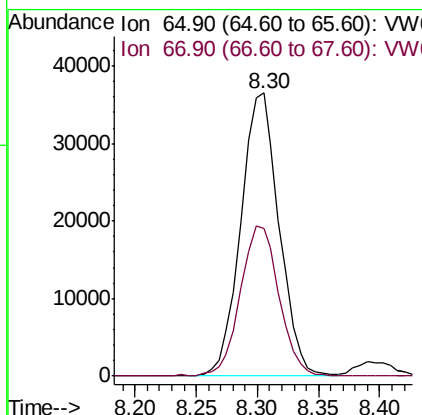
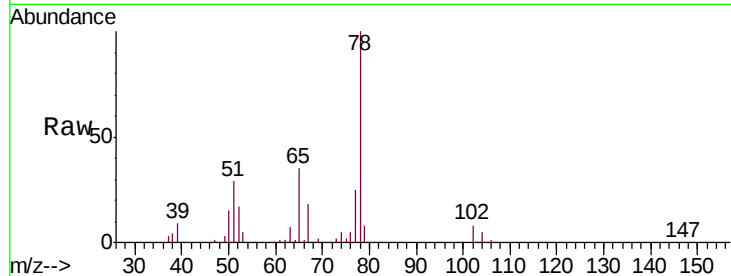




#33
 1,2-Dichloroethane-d4
 Concen: 45.739 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013973.D
 Acq: 12 Nov 2019 14:17

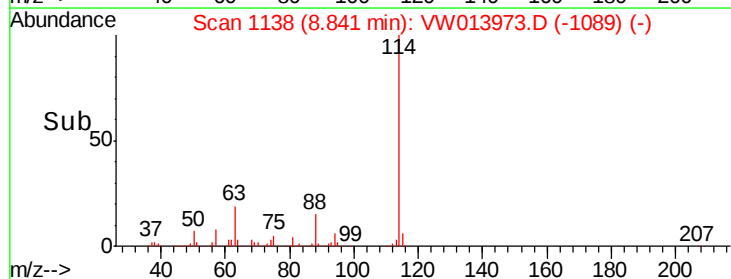
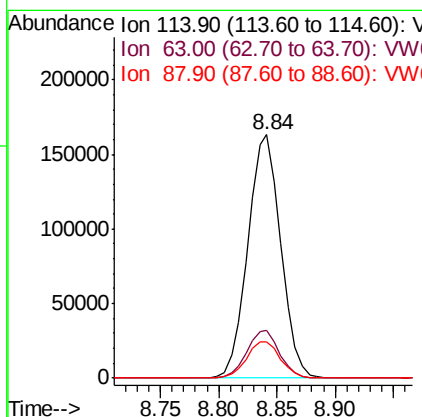
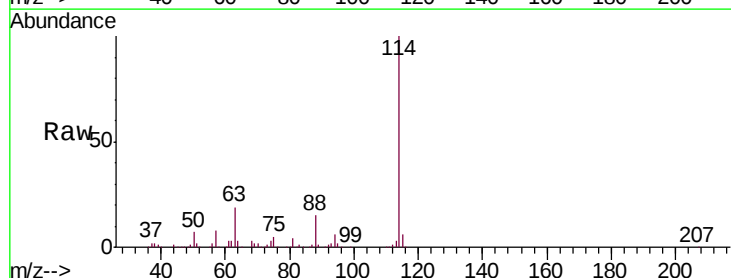
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

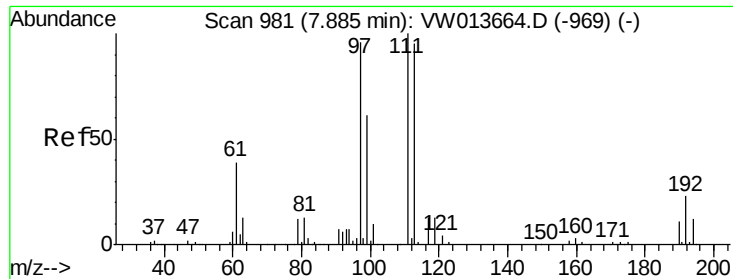
Tgt Ion: 65 Resp: 79677
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013973.D
 Acq: 12 Nov 2019 14:17

Tgt Ion: 114 Resp: 321860
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 37.6
 88 14.7 0.0 30.2

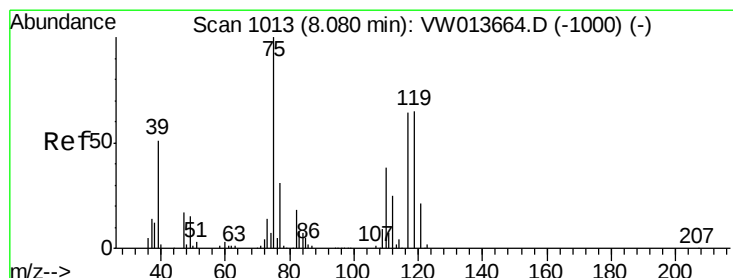
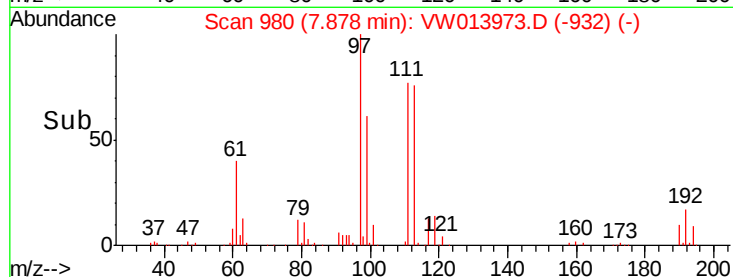
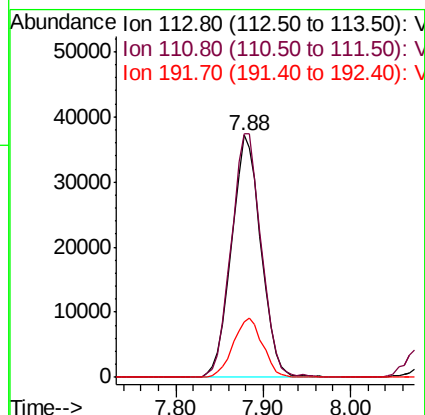
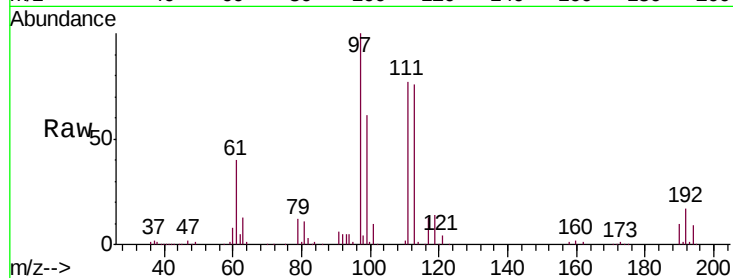




#35
 Dibromofluoromethane
 Concen: 48.568 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW013973.D
 Acq: 12 Nov 2019 14:17

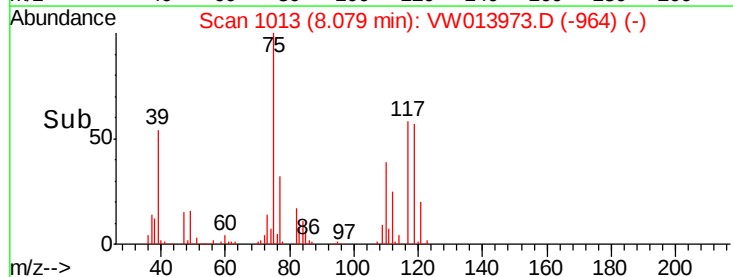
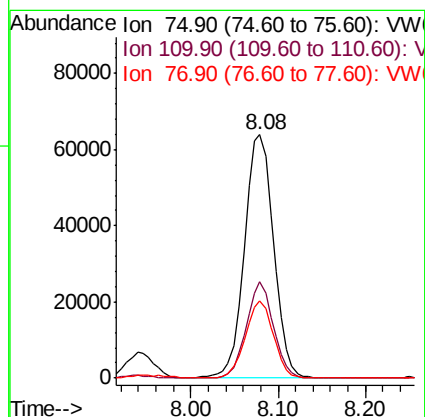
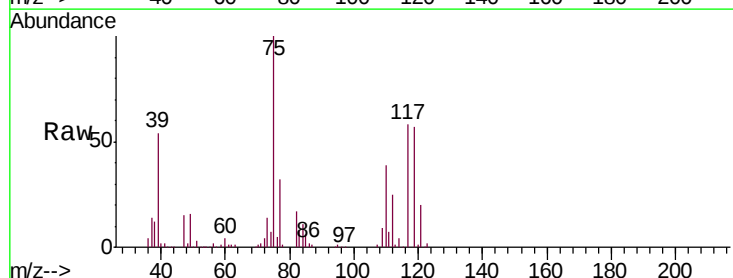
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

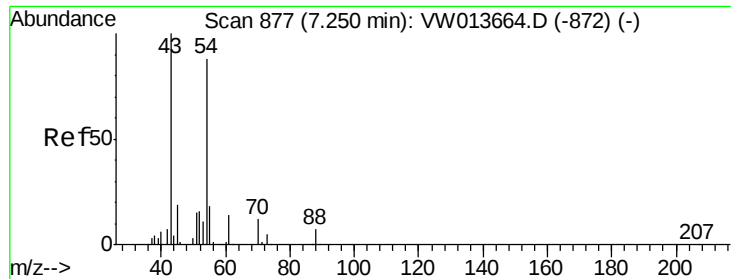
Tgt Ion: 113 Resp: 86861
 Ion Ratio Lower Upper
 113 100
 111 102.9 83.0 124.6
 192 24.4 19.4 29.2



#36
 1,1-Dichloropropene
 Concen: 49.192 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW013973.D
 Acq: 12 Nov 2019 14:17

Tgt Ion: 75 Resp: 147452
 Ion Ratio Lower Upper
 75 100
 110 36.6 18.7 56.1
 77 30.6 25.4 38.0

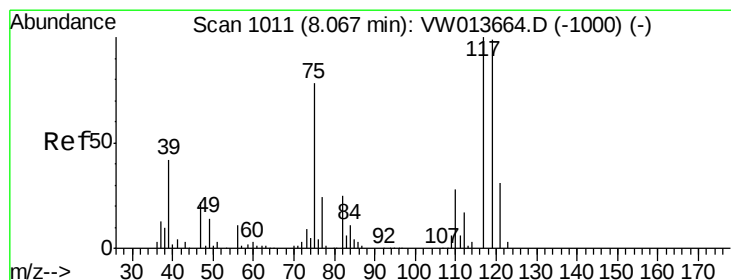
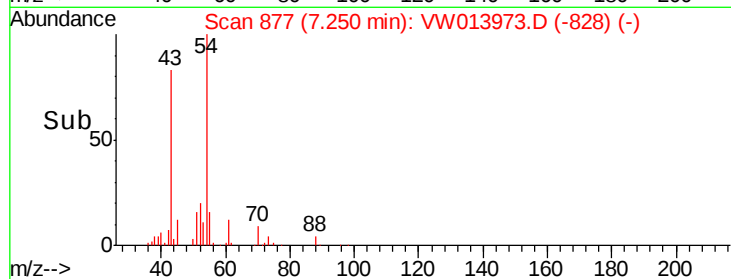
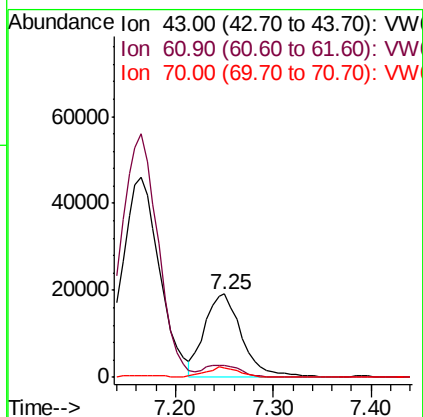
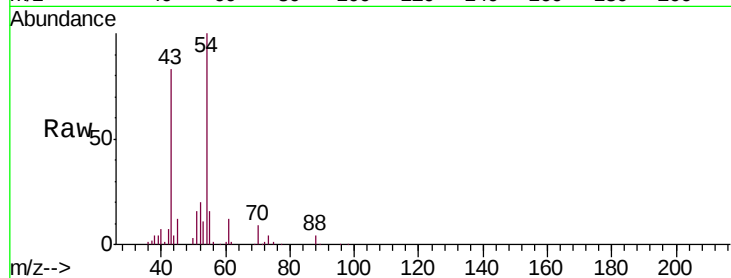




#37
Ethyl Acetate
Concen: 43.274 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW013973.D
Acq: 12 Nov 2019 14:17

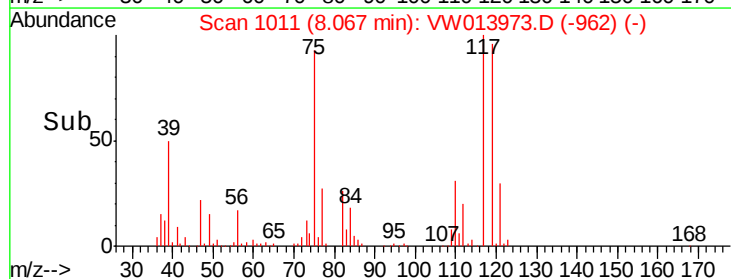
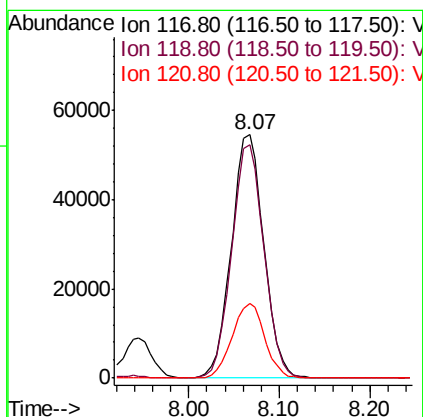
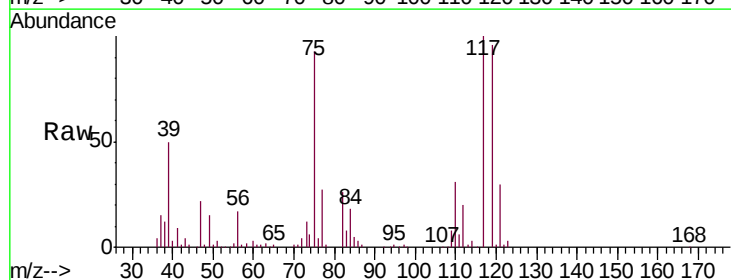
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

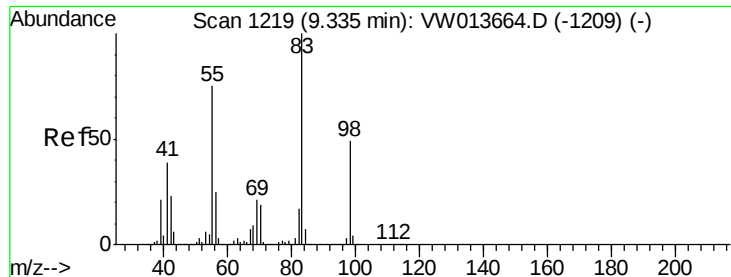
Tgt Ion: 43 Resp: 49654
Ion Ratio Lower Upper
43 100
61 15.0 11.7 17.5
70 10.9 8.8 13.2



#38
Carbon Tetrachloride
Concen: 50.131 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW013973.D
Acq: 12 Nov 2019 14:17

Tgt Ion: 117 Resp: 135318
Ion Ratio Lower Upper
117 100
119 95.8 79.0 118.4
121 30.5 24.5 36.7

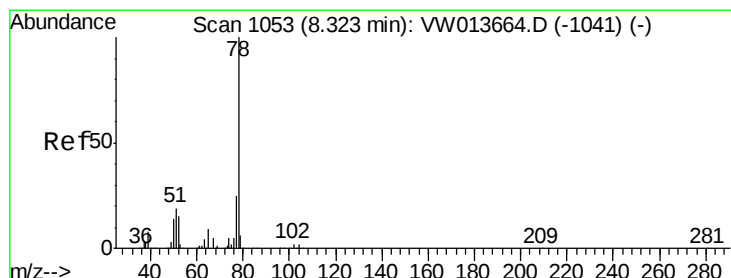
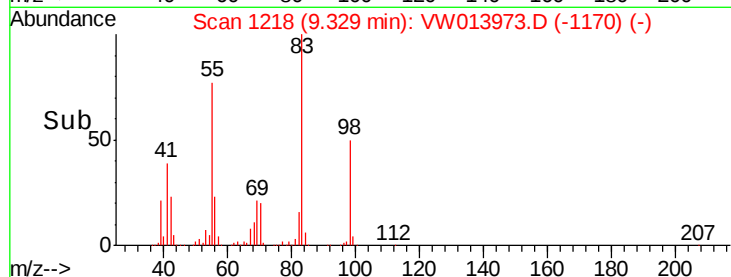
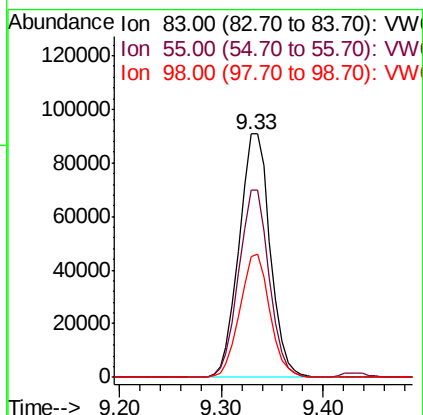
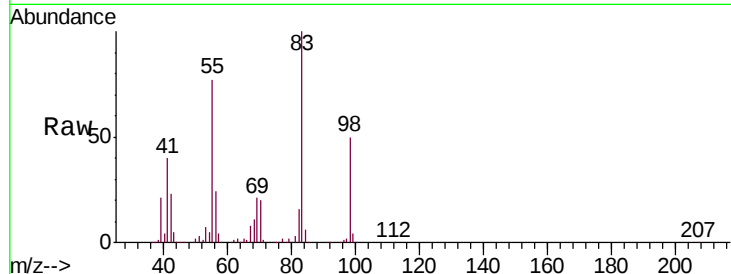




#39
Methylcyclohexane
Concen: 49.696 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW013973.D
Acq: 12 Nov 2019 14:17

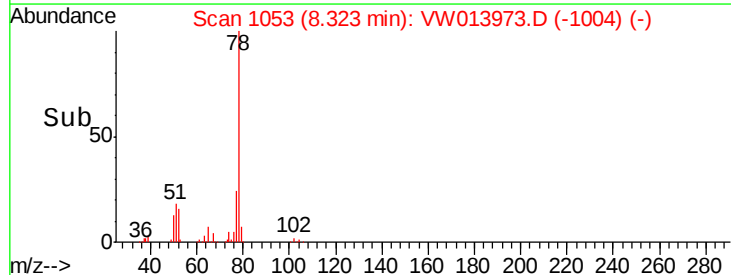
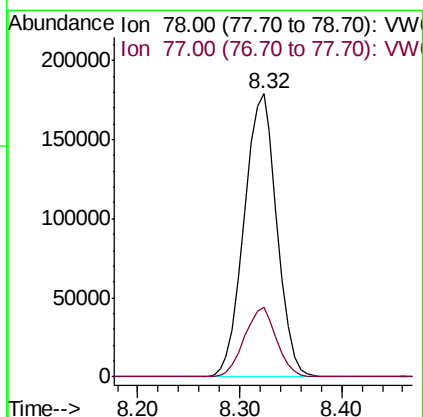
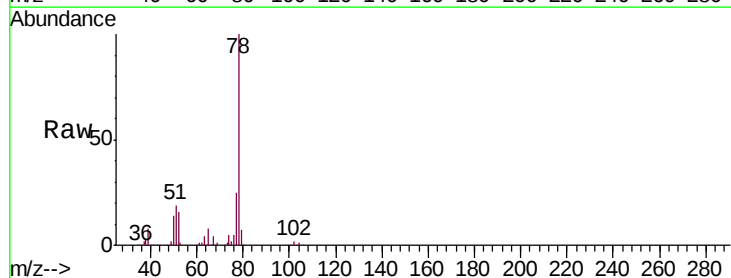
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

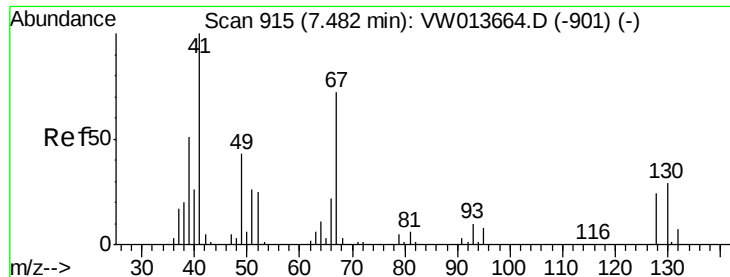
Tgt Ion: 83 Resp: 192373
Ion Ratio Lower Upper
83 100
55 76.9 59.9 89.9
98 49.8 39.4 59.2



#40
Benzene
Concen: 47.053 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013973.D
Acq: 12 Nov 2019 14:17

Tgt Ion: 78 Resp: 399147
Ion Ratio Lower Upper
78 100
77 24.5 19.6 29.4

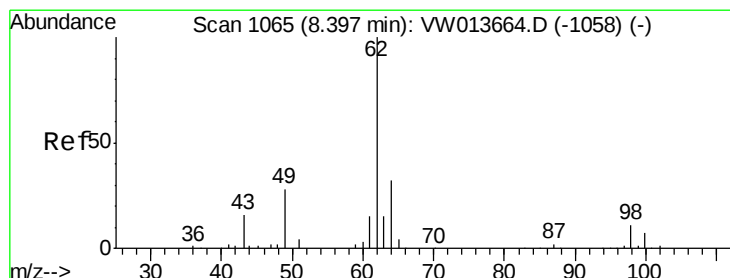
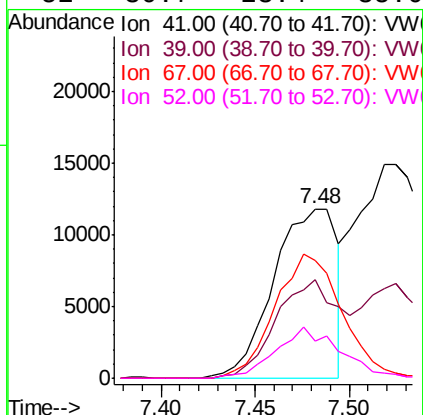
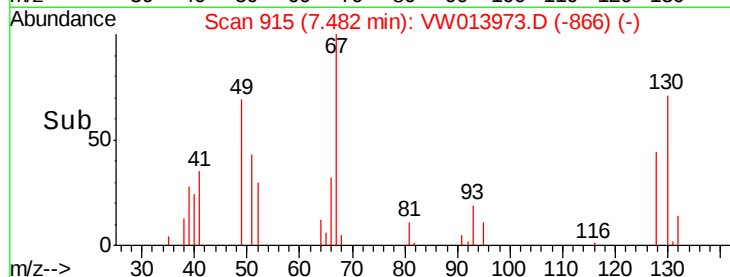
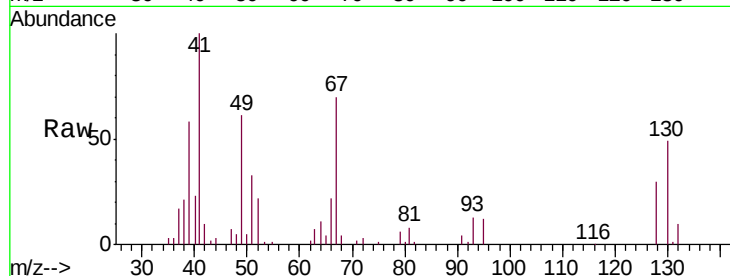




#41
Methacrylonitrile
Concen: 38.778 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW013973.D
Acq: 12 Nov 2019 14:17

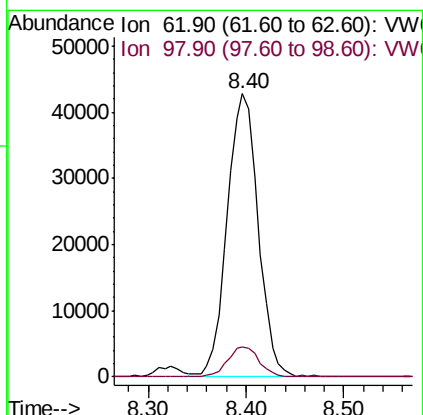
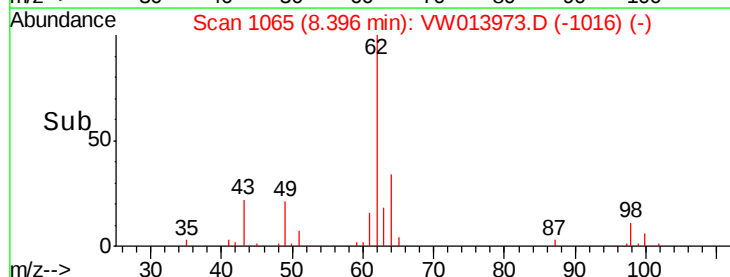
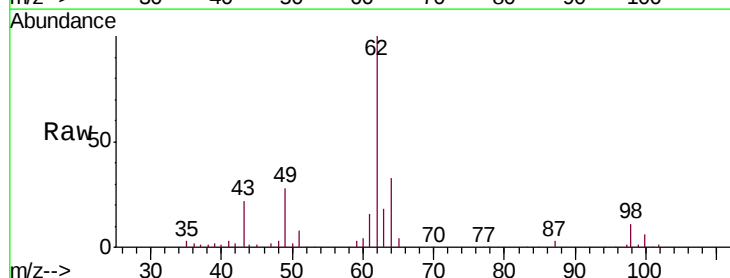
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

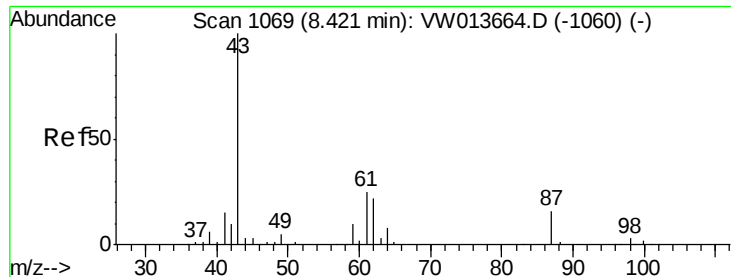
Tgt Ion:	41	Resp:	27747
Ion	Ratio	Lower	Upper
41	100		
39	58.6	44.8	67.2
67	77.1	59.3	88.9
52	30.7	23.4	35.0



#42
1,2-Dichloroethane
Concen: 44.030 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013973.D
Acq: 12 Nov 2019 14:17

Tgt Ion:	62	Resp:	94121
Ion	Ratio	Lower	Upper
62	100		
98	10.7	0.0	22.4

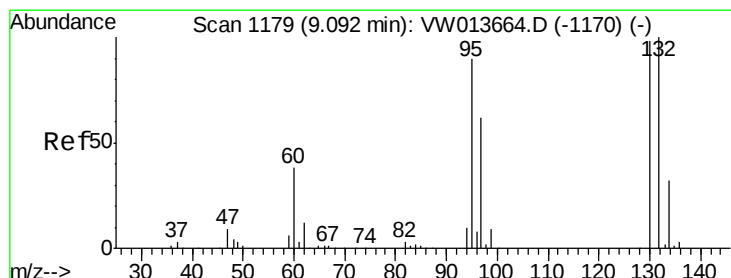
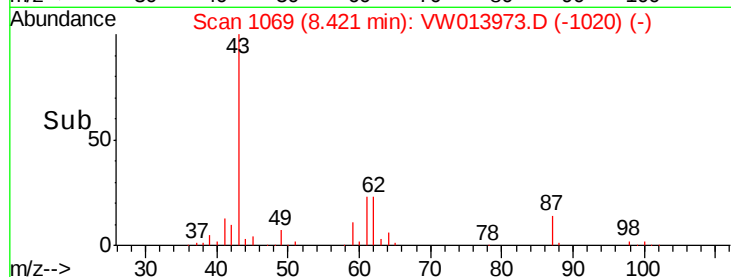
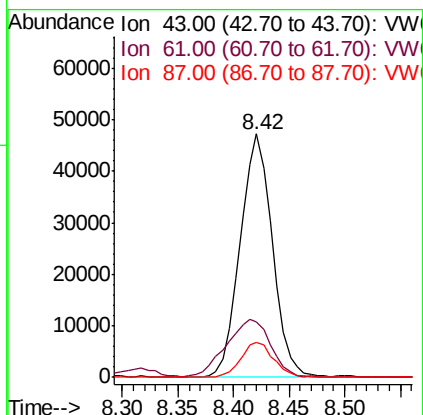
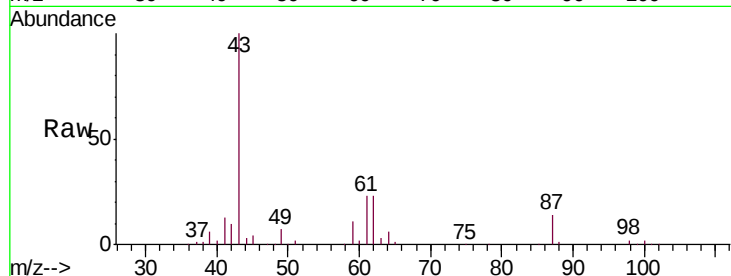




#43
Isopropyl Acetate
Concen: 43.185 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.00 min
Lab File: VW013973.D
Acq: 12 Nov 2019 14:17

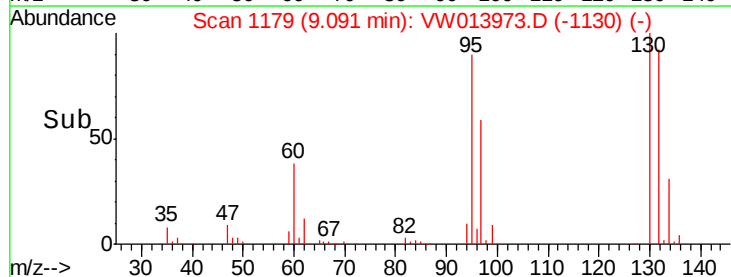
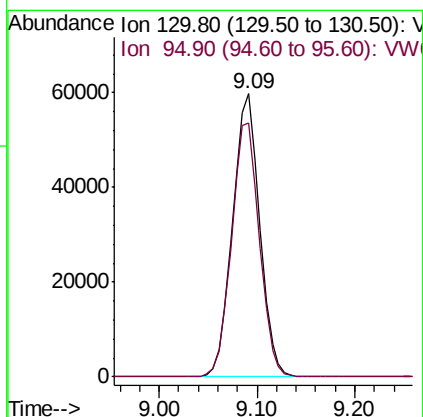
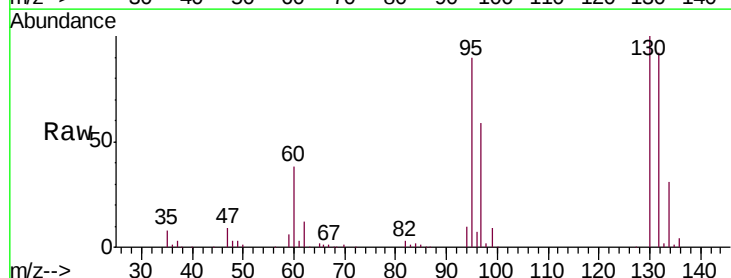
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

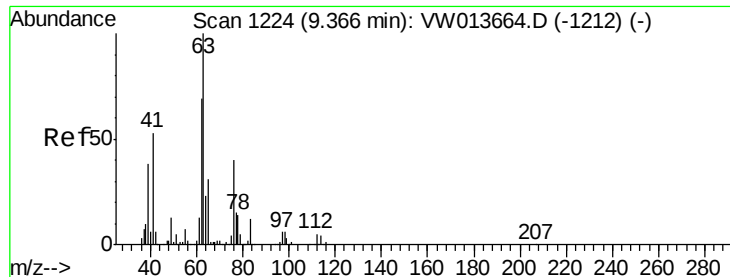
Tgt Ion: 43 Resp: 94850
Ion Ratio Lower Upper
43 100
61 32.8 26.1 39.1
87 14.6 11.4 17.0



#44
Trichloroethene
Concen: 47.252 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW013973.D
Acq: 12 Nov 2019 14:17

Tgt Ion: 130 Resp: 114819
Ion Ratio Lower Upper
130 100
95 89.6 0.0 184.6





#45

1,2-Dichloropropane

Concen: 45.940 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW013973.D

Acq: 12 Nov 2019 14:17

Instrument :

MSVOA_W

ClientSampleId :

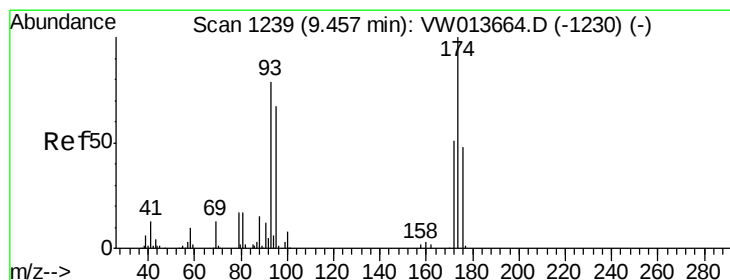
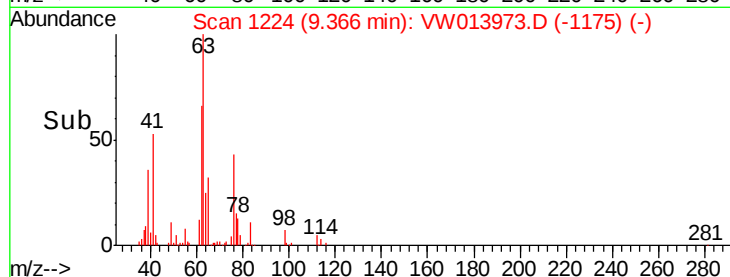
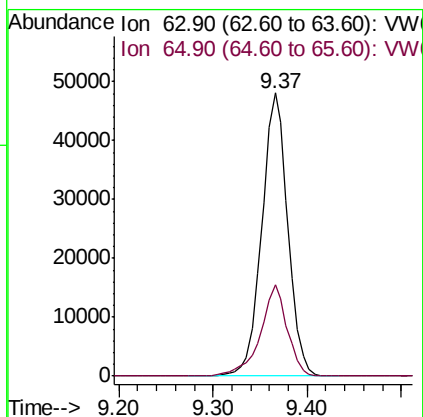
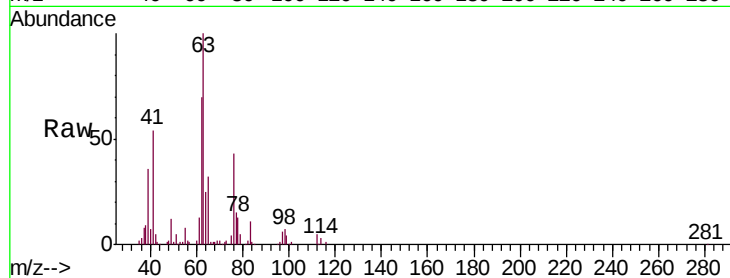
VSTDCCC050

Tgt Ion: 63 Resp: 93085

Ion Ratio Lower Upper

63 100

65 32.5 25.2 37.8



#46

Dibromomethane

Concen: 44.236 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW013973.D

Acq: 12 Nov 2019 14:17

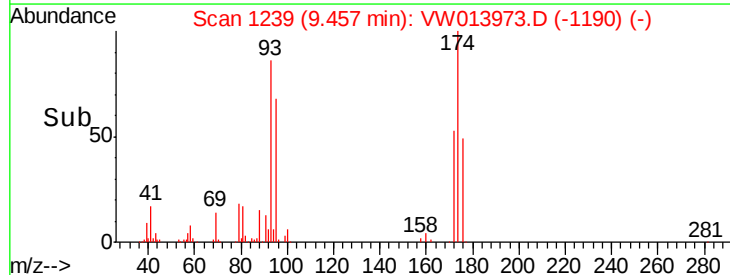
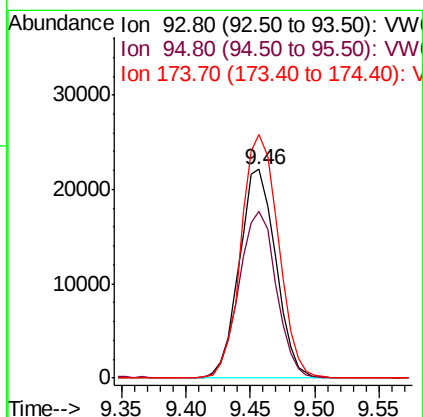
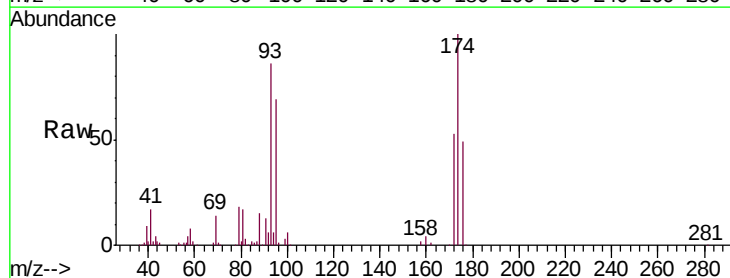
Tgt Ion: 93 Resp: 43503

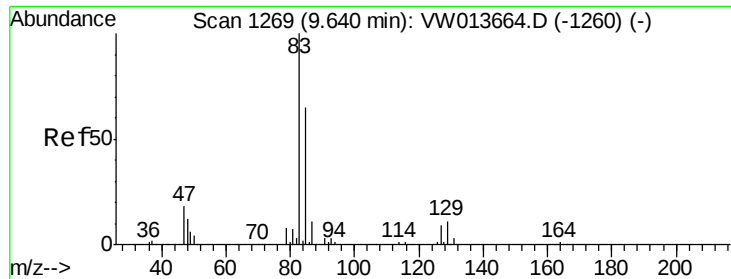
Ion Ratio Lower Upper

93 100

95 81.5 66.5 99.7

174 118.8 99.6 149.4

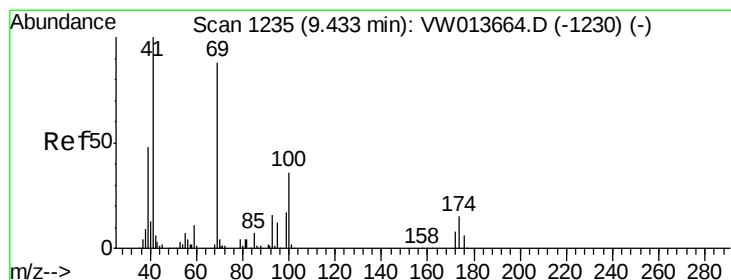
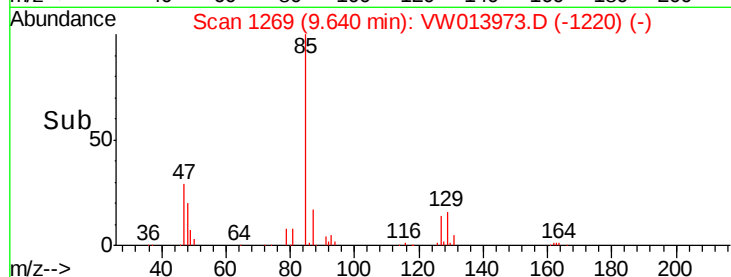
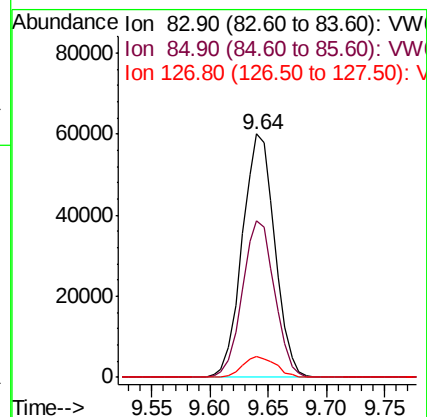
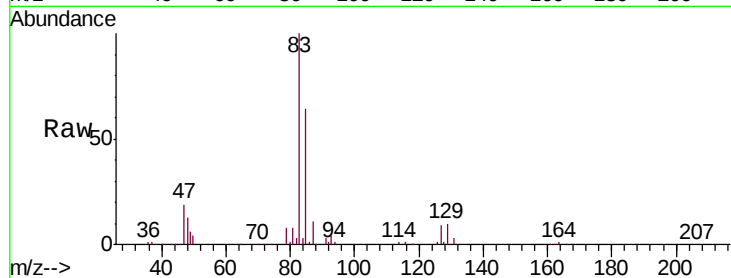




#47
 Bromodichloromethane
 Concen: 45.924 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW013973.D
 Acq: 12 Nov 2019 14:17

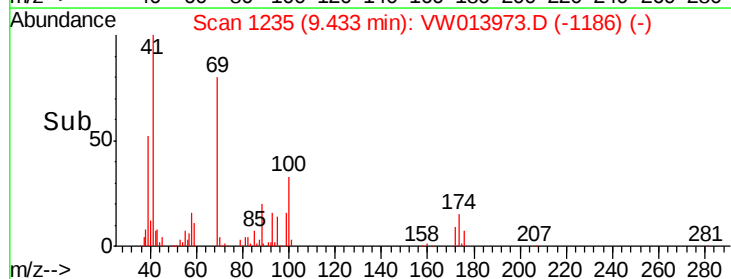
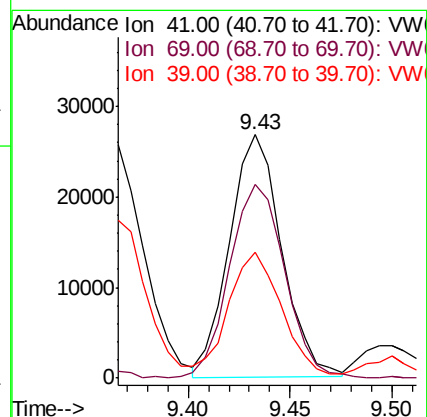
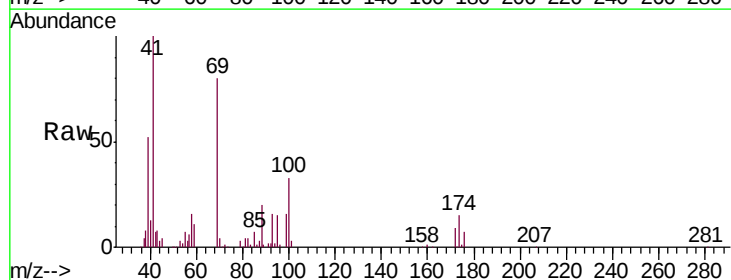
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

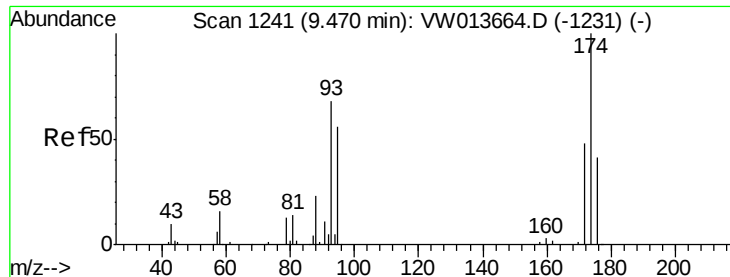
Tgt Ion: 83 Resp: 116856
 Ion Ratio Lower Upper
 83 100
 85 64.2 51.8 77.6
 127 8.8 7.3 10.9



#48
 Methyl methacrylate
 Concen: 43.702 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: VW013973.D
 Acq: 12 Nov 2019 14:17

Tgt Ion: 41 Resp: 47599
 Ion Ratio Lower Upper
 41 100
 69 85.1 67.6 101.4
 39 49.8 38.6 58.0





#49

1,4-Dioxane

Concen: 1019.249 ug/l

RT: 9.44 min Scan# 1237

Delta R.T. -0.02 min

Lab File: VW013973.D

Acq: 12 Nov 2019 14:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

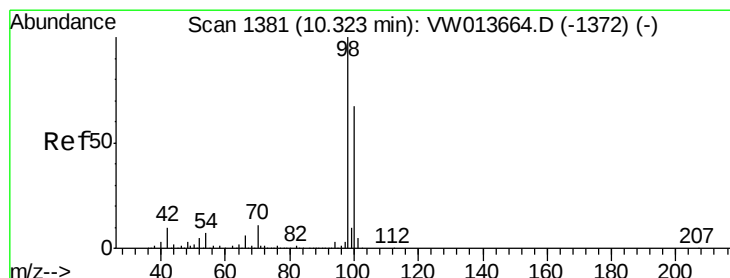
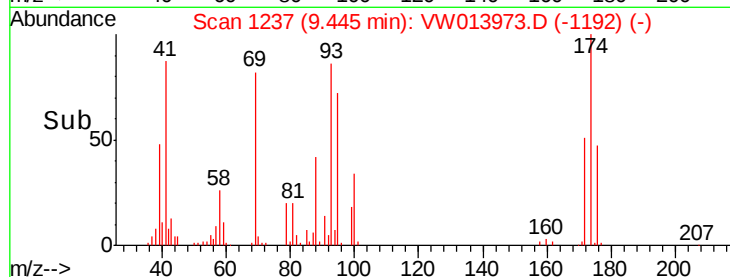
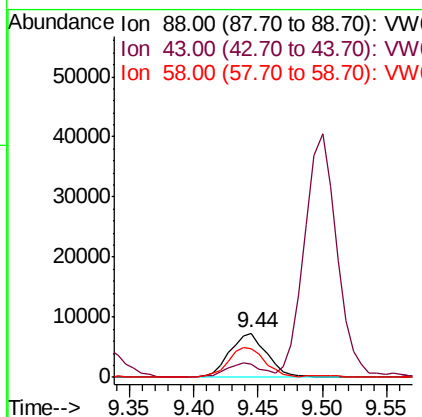
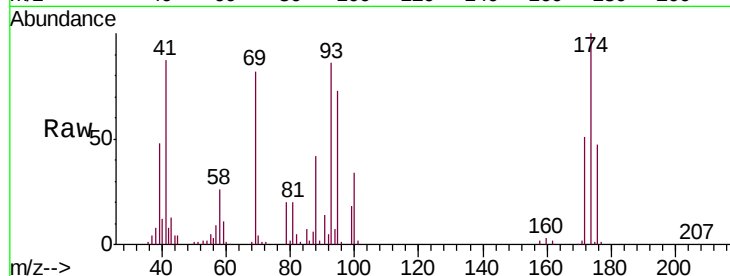
Tgt Ion: 88 Resp: 14812

Ion Ratio Lower Upper

88 100

43 30.5 0.0 0.0#

58 67.2 58.9 88.3



#50

Toluene-d8

Concen: 49.940 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013973.D

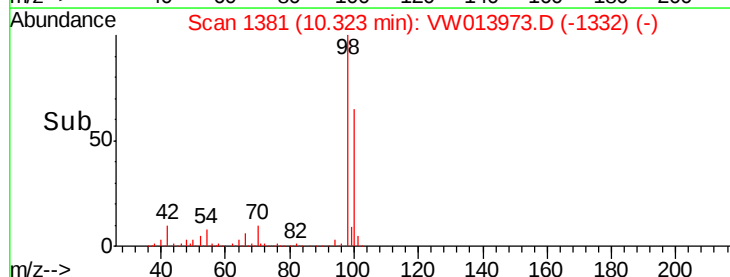
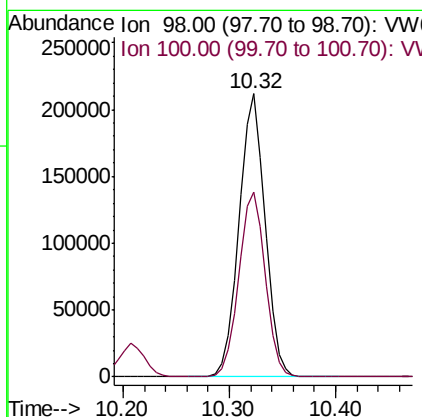
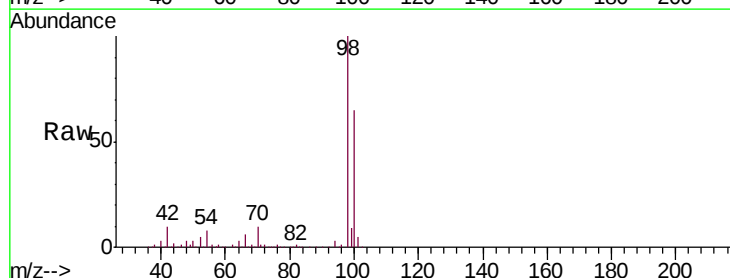
Acq: 12 Nov 2019 14:17

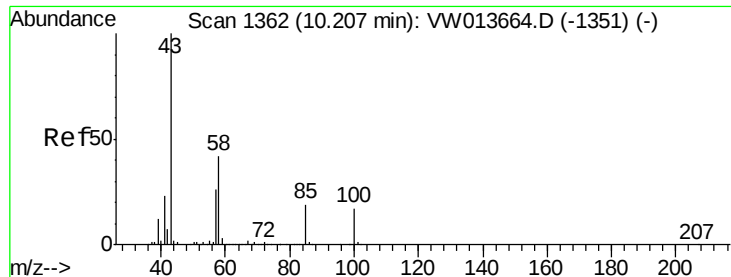
Tgt Ion: 98 Resp: 363935

Ion Ratio Lower Upper

98 100

100 66.4 53.4 80.0





#51

4-Methyl-2-Pentanone

Concen: 221.419 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013973.D

Acq: 12 Nov 2019 14:17

Instrument :

MSVOA_W

ClientSampleId :

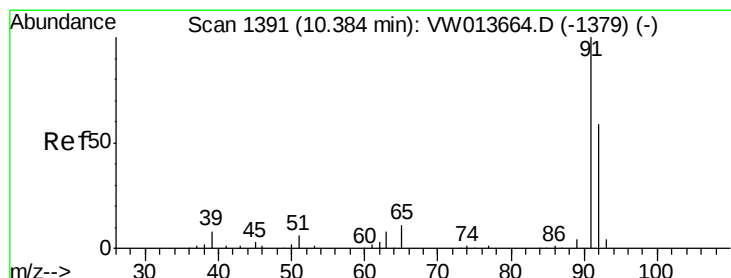
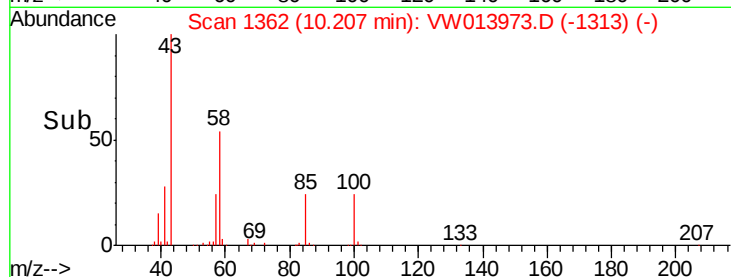
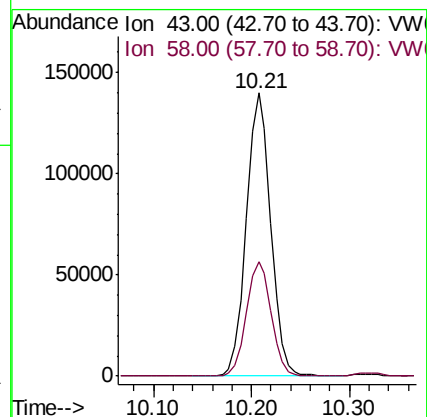
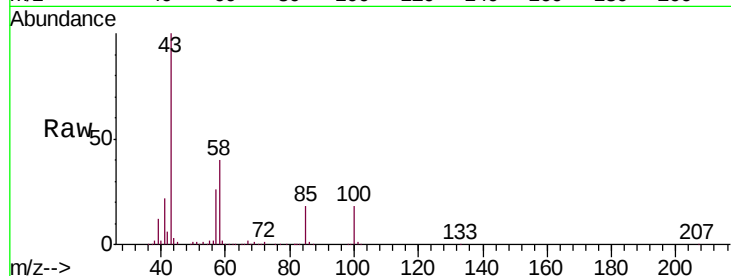
VSTDCCC050

Tgt Ion: 43 Resp: 241660

Ion Ratio Lower Upper

43 100

58 41.0 32.6 49.0



#52

Toluene

Concen: 47.318 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013973.D

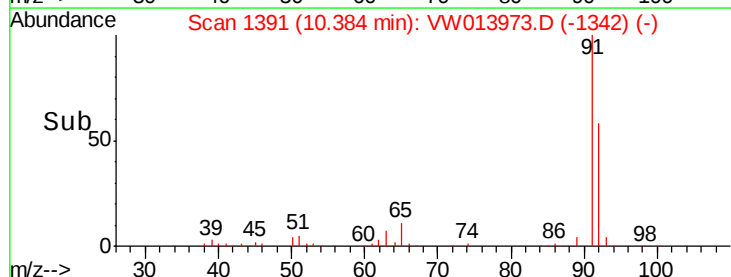
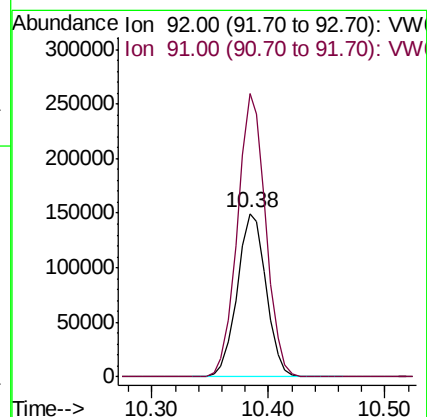
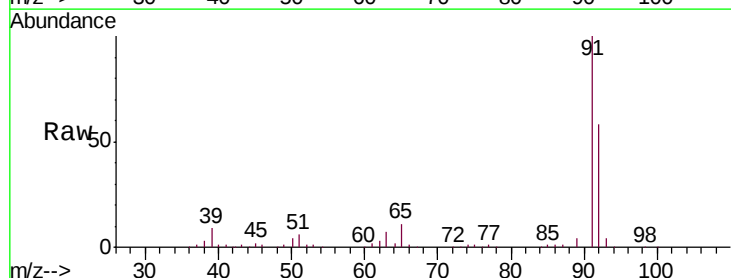
Acq: 12 Nov 2019 14:17

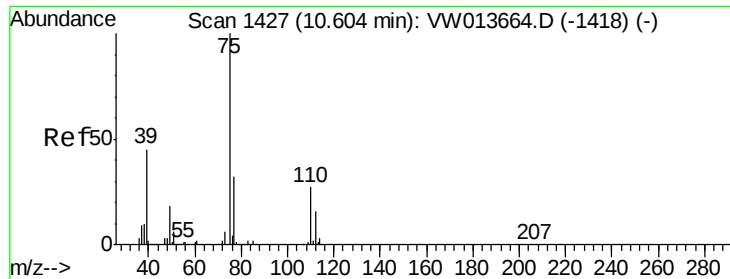
Tgt Ion: 92 Resp: 258919

Ion Ratio Lower Upper

92 100

91 169.7 134.5 201.7





#53

t-1,3-Dichloropropene

Concen: 44.551 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013973.D

Acq: 12 Nov 2019 14:17

Instrument :

MSVOA_W

ClientSampleId :

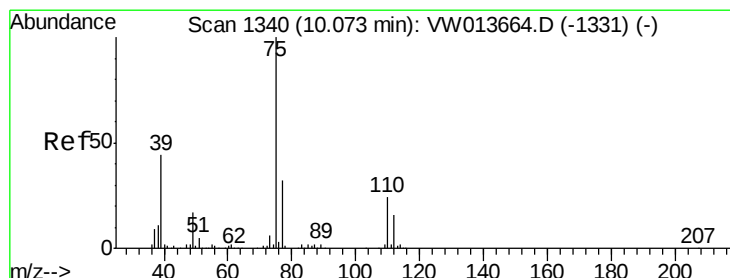
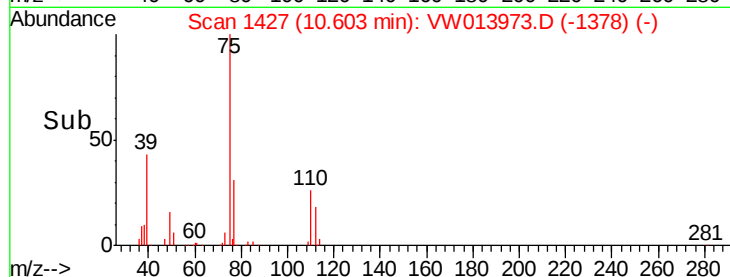
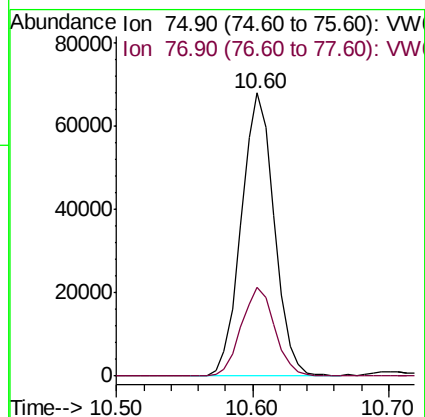
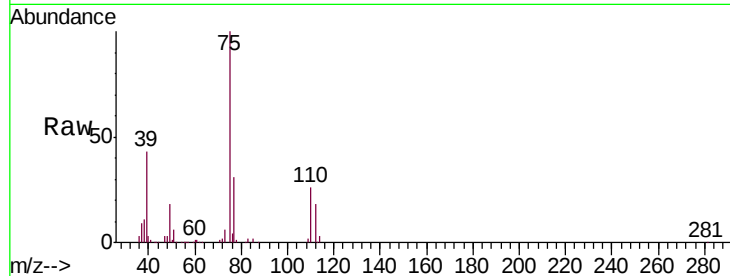
VSTDCCC050

Tgt Ion: 75 Resp: 114761

Ion Ratio Lower Upper

75 100

77 31.1 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 45.566 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW013973.D

Acq: 12 Nov 2019 14:17

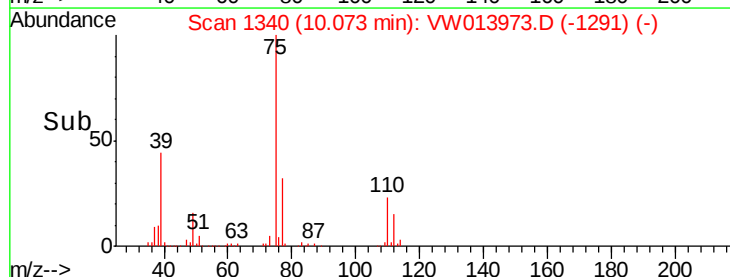
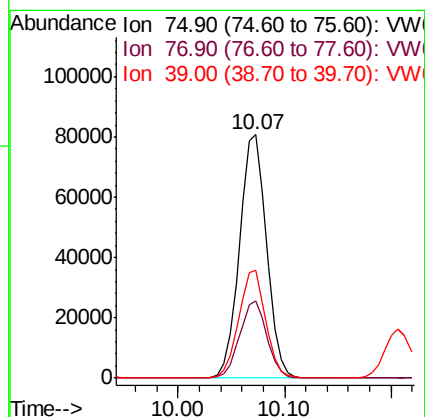
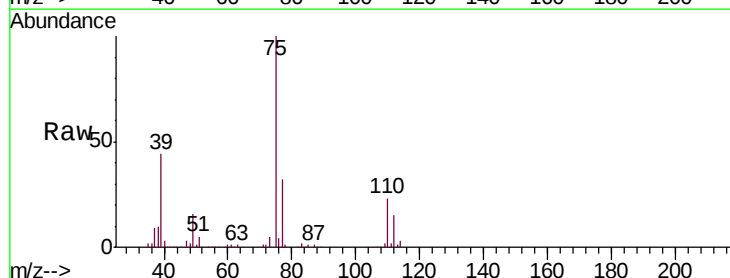
Tgt Ion: 75 Resp: 144814

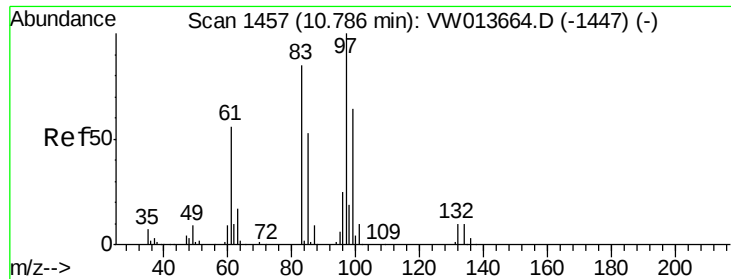
Ion Ratio Lower Upper

75 100

77 31.7 25.8 38.6

39 44.4 35.3 52.9





#55

1,1,2-Trichloroethane

Concen: 42.709 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW013973.D

Acq: 12 Nov 2019 14:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 62596

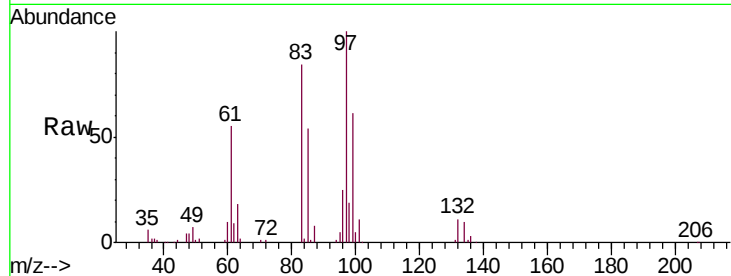
Ion Ratio Lower Upper

97 100

83 83.7 67.8 101.8

85 54.0 42.1 63.1

99 61.5 51.4 77.0

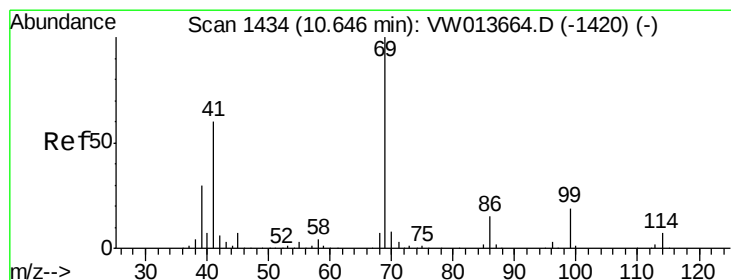
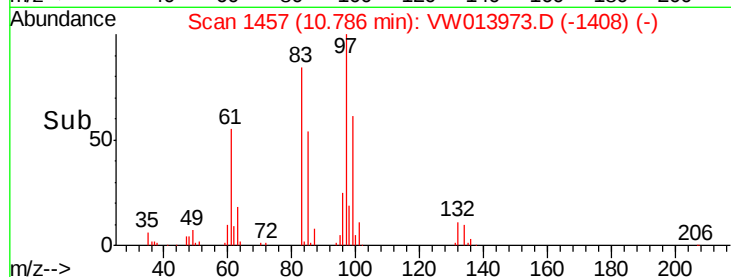
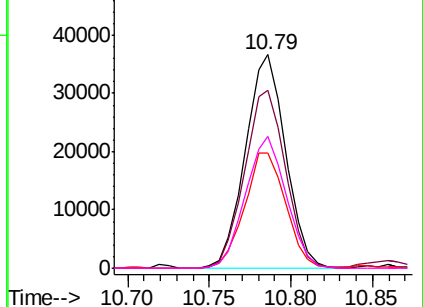


Abundance Ion 96.90 (96.60 to 97.60): VW

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: 43.693 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW013973.D

Acq: 12 Nov 2019 14:17

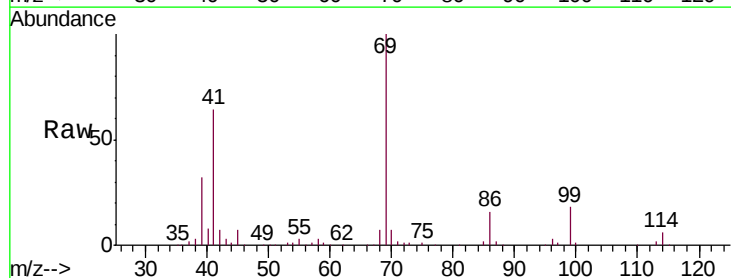
Tgt Ion: 69 Resp: 80121

Ion Ratio Lower Upper

69 100

41 66.5 51.6 77.4

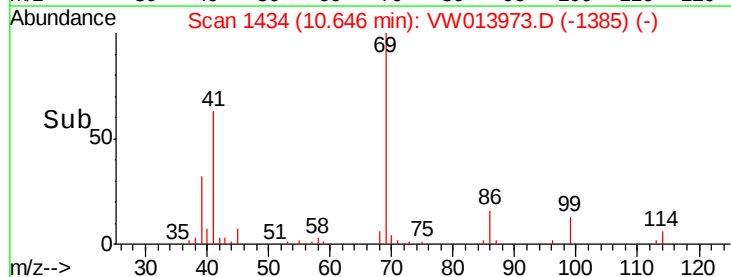
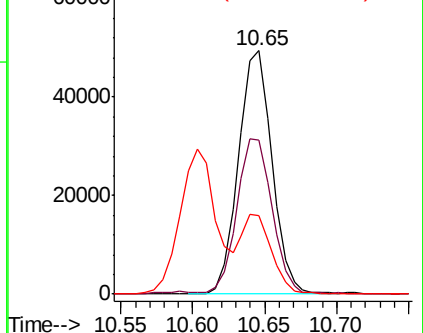
39 29.0 22.4 33.6

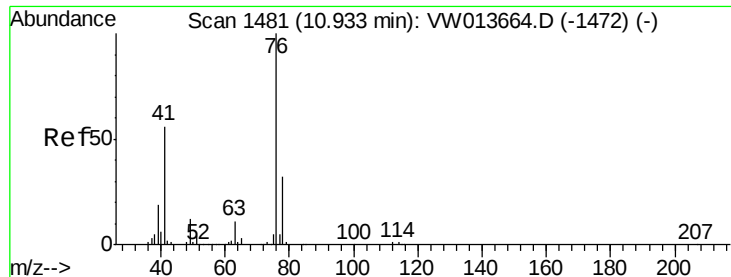


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

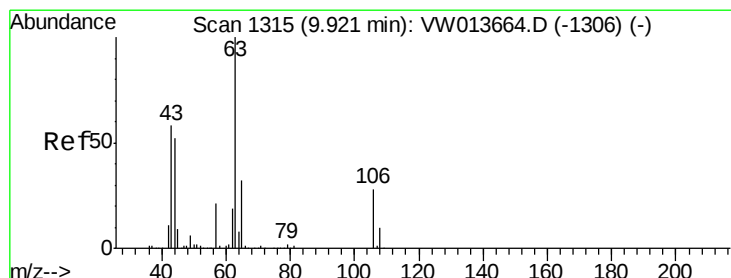
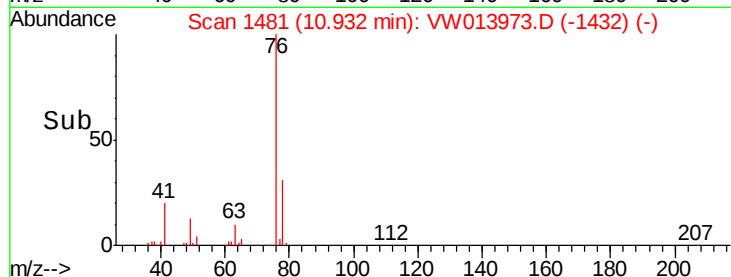
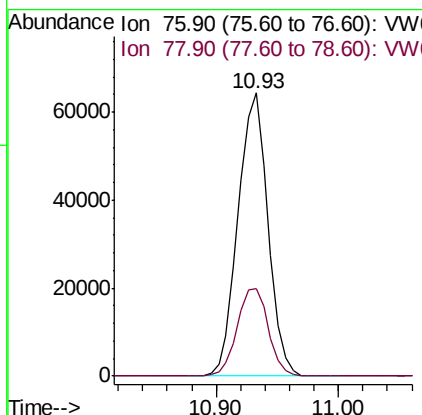
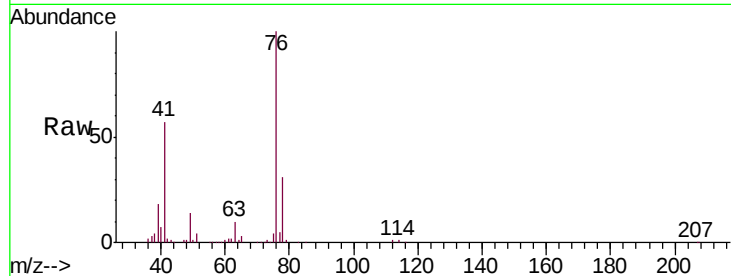




#57
 1,3-Dichloropropane
 Concen: 43.411 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW013973.D
 Acq: 12 Nov 2019 14:17

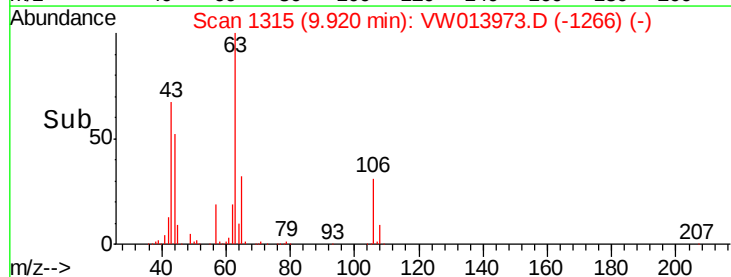
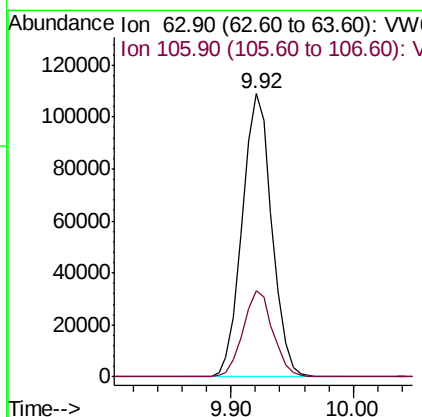
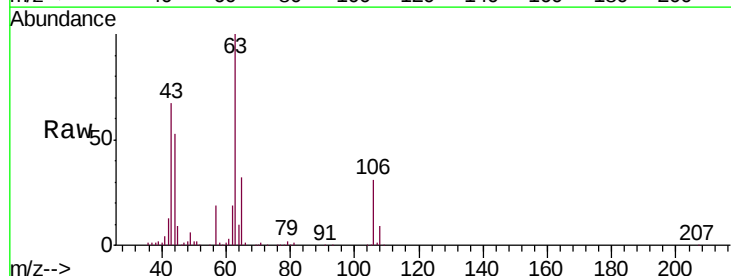
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

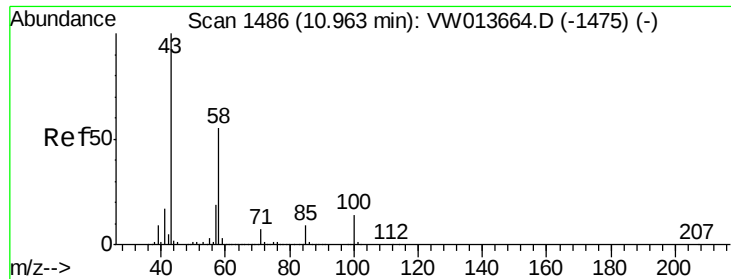
Tgt Ion: 76 Resp: 109185
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 217.341 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013973.D
 Acq: 12 Nov 2019 14:17

Tgt Ion: 63 Resp: 183424
 Ion Ratio Lower Upper
 63 100
 106 30.6 23.8 35.8





#59

2-Hexanone

Concen: 228.582 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.01 min

Lab File: VW013973.D

Acq: 12 Nov 2019 14:17

Instrument :

MSVOA_W

ClientSampleId :

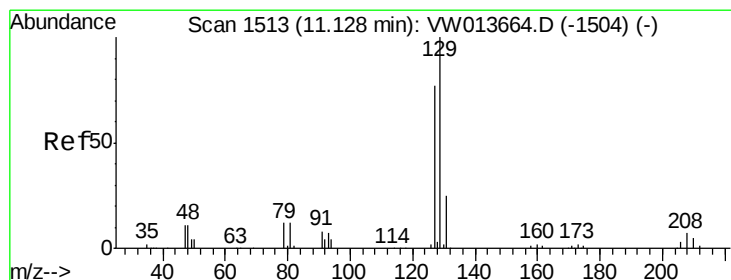
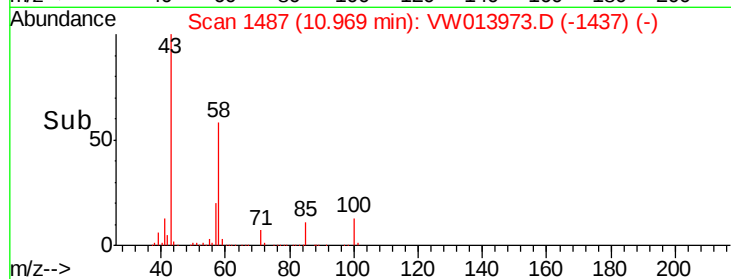
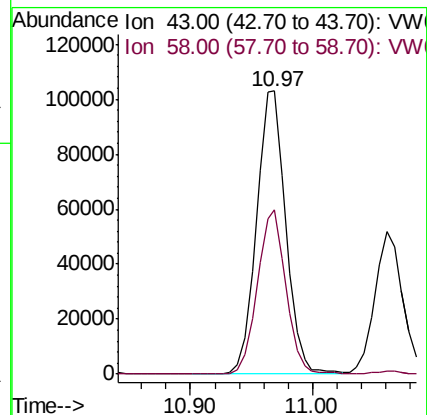
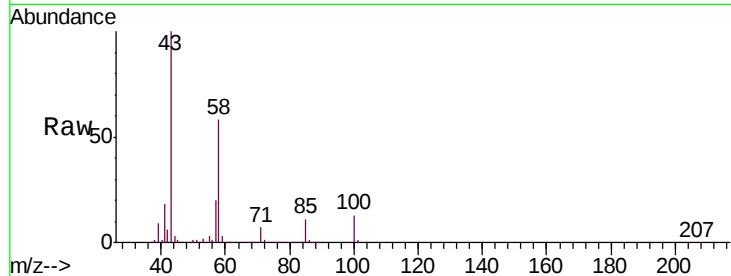
VSTDCCC050

Tgt Ion: 43 Resp: 171988

Ion Ratio Lower Upper

43 100

58 56.5 27.9 83.7



#60

Dibromochloromethane

Concen: 43.690 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW013973.D

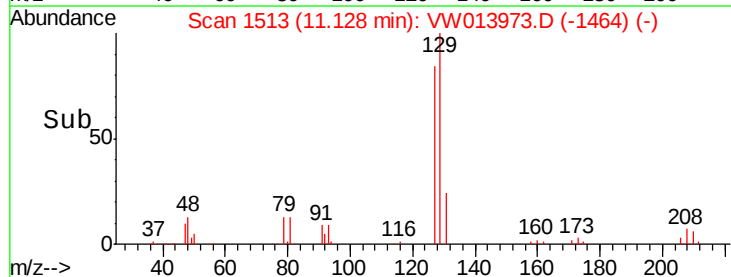
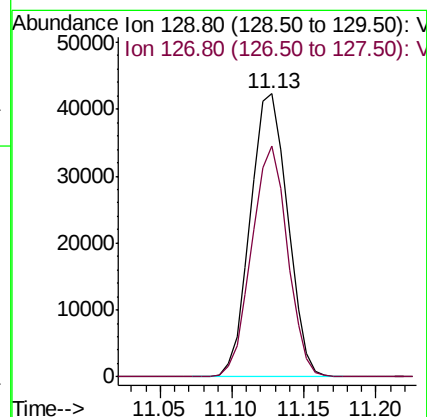
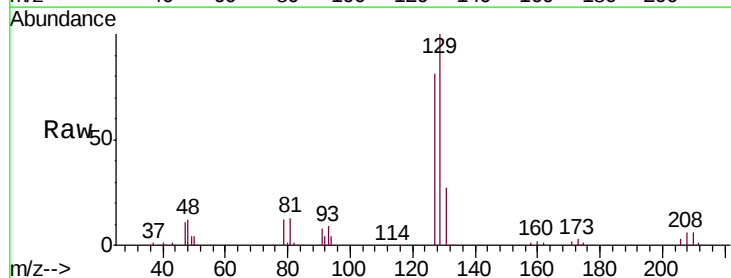
Acq: 12 Nov 2019 14:17

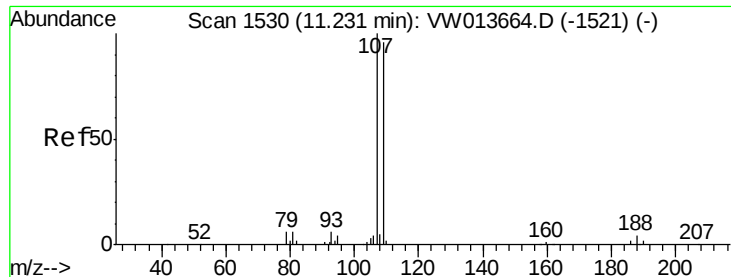
Tgt Ion: 129 Resp: 76028

Ion Ratio Lower Upper

129 100

127 78.1 38.9 116.7

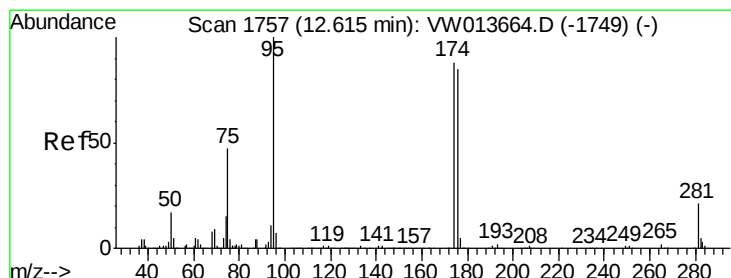
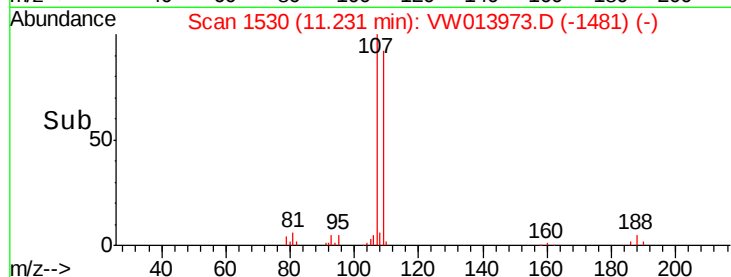
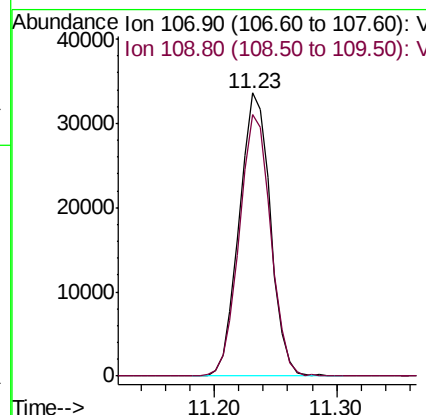
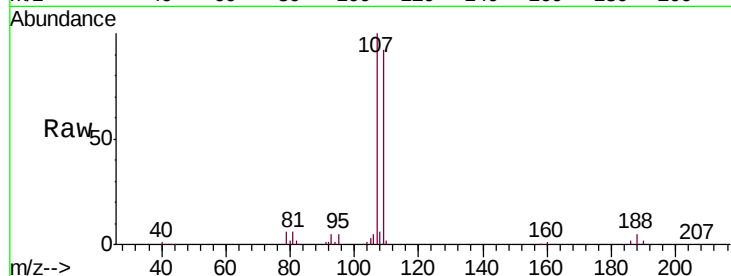




#61
 1,2-Dibromoethane
 Concen: 42.689 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW013973.D
 Acq: 12 Nov 2019 14:17

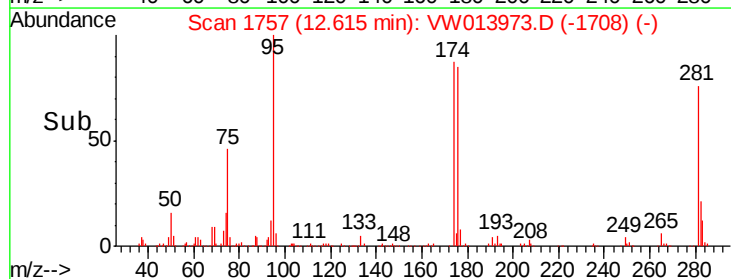
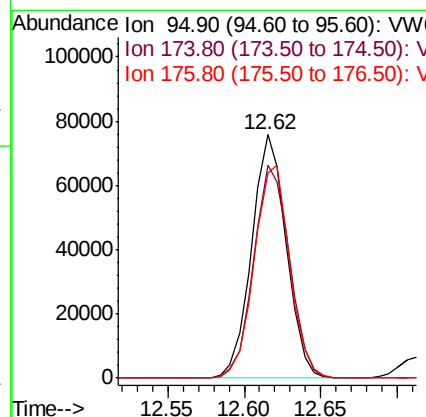
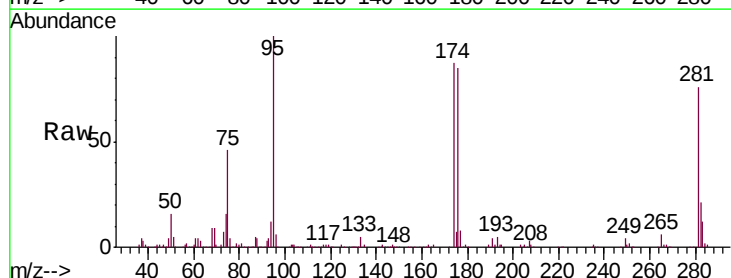
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

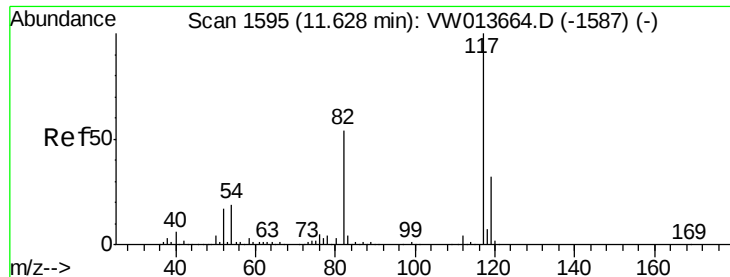
Tgt Ion: 107 Resp: 59193
 Ion Ratio Lower Upper
 107 100
 109 92.9 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 48.159 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013973.D
 Acq: 12 Nov 2019 14:17

Tgt Ion: 95 Resp: 118833
 Ion Ratio Lower Upper
 95 100
 174 90.7 0.0 183.6
 176 90.3 0.0 178.0

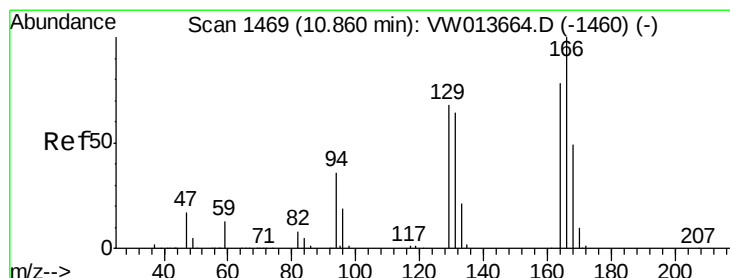
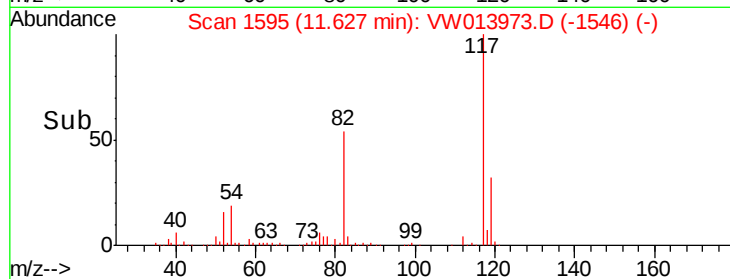
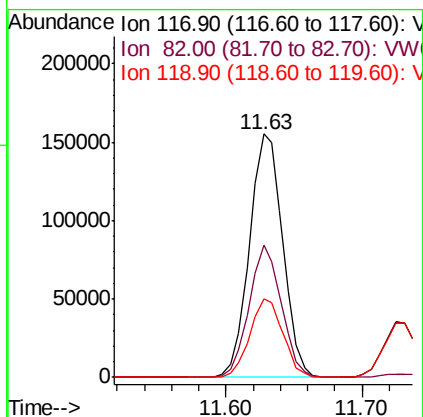
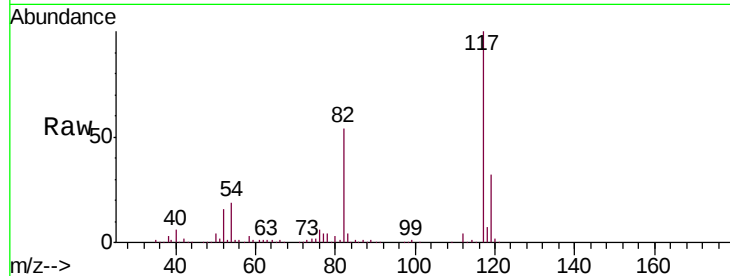




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013973.D
Acq: 12 Nov 2019 14:17

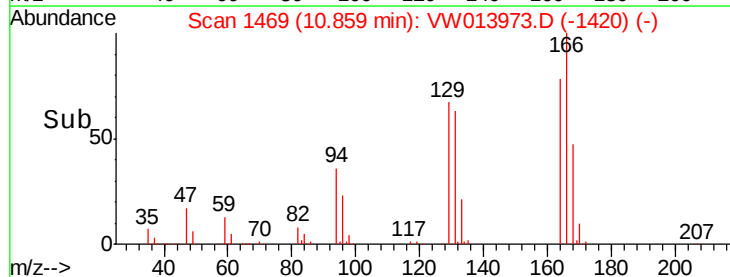
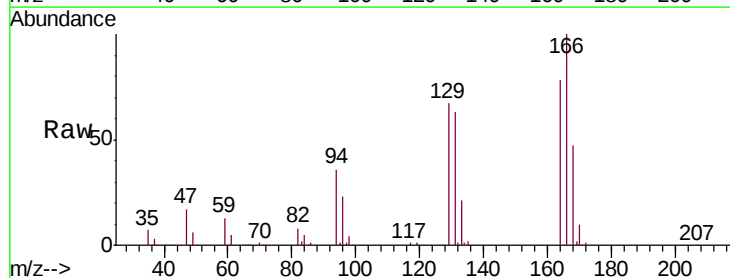
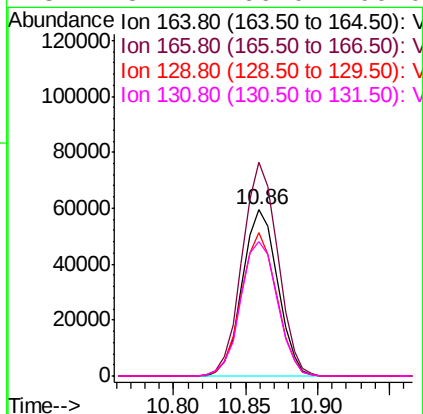
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

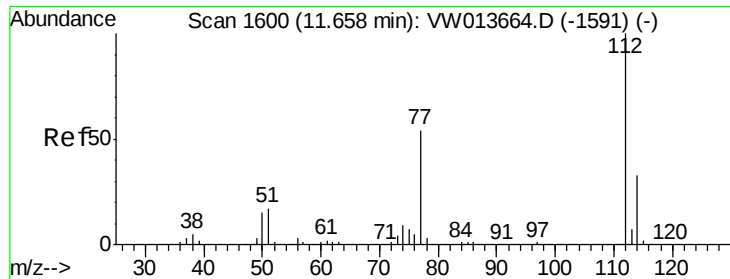
Tgt Ion:117 Resp: 266341
Ion Ratio Lower Upper
117 100
82 54.4 43.6 65.4
119 32.3 25.4 38.2



#64
Tetrachloroethene
Concen: 49.691 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013973.D
Acq: 12 Nov 2019 14:17

Tgt Ion:164 Resp: 101118
Ion Ratio Lower Upper
164 100
166 128.4 103.2 154.8
129 85.8 70.6 105.8
131 81.1 66.0 99.0

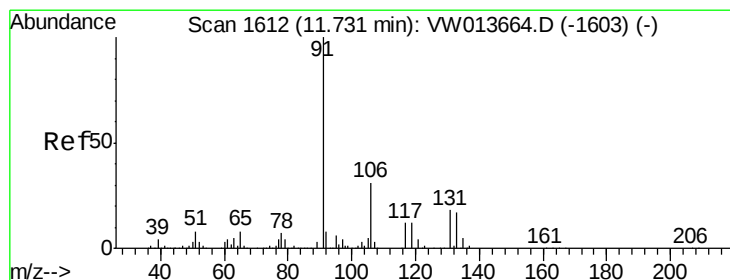
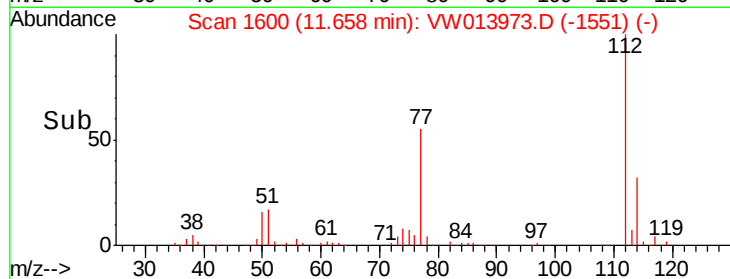
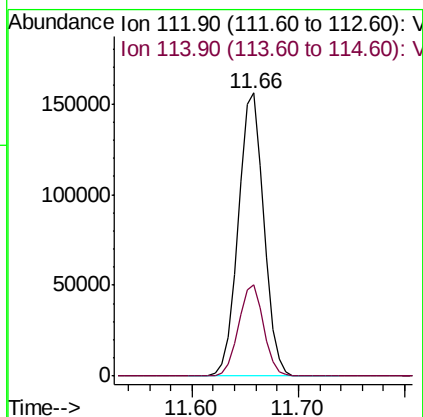
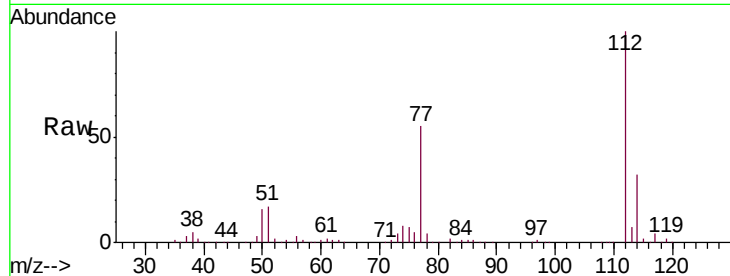




#65
Chlorobenzene
Concen: 47.990 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013973.D
Acq: 12 Nov 2019 14:17

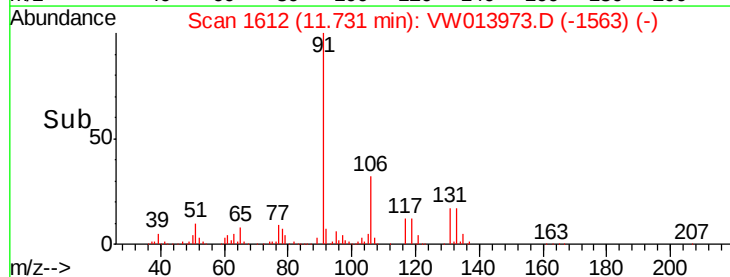
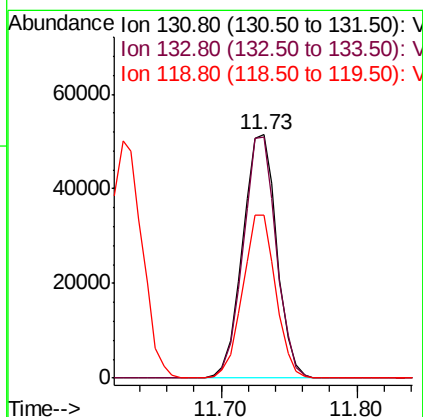
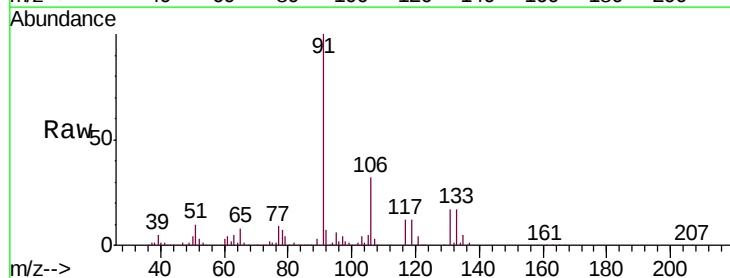
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

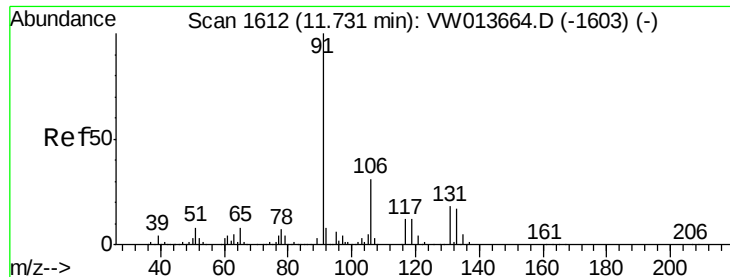
Tgt Ion:112 Resp: 262652
Ion Ratio Lower Upper
112 100
114 32.3 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 47.040 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013973.D
Acq: 12 Nov 2019 14:17

Tgt Ion:131 Resp: 89851
Ion Ratio Lower Upper
131 100
133 96.5 47.4 142.3
119 65.3 33.1 99.2





#67

Ethyl Benzene

Concen: 49.076 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW013973.D

Acq: 12 Nov 2019 14:17

Instrument :

MSVOA_W

ClientSampleId :

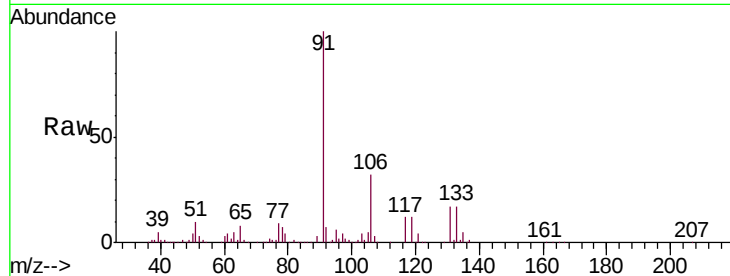
VSTDCCC050

Tgt Ion: 91 Resp: 484328

Ion Ratio Lower Upper

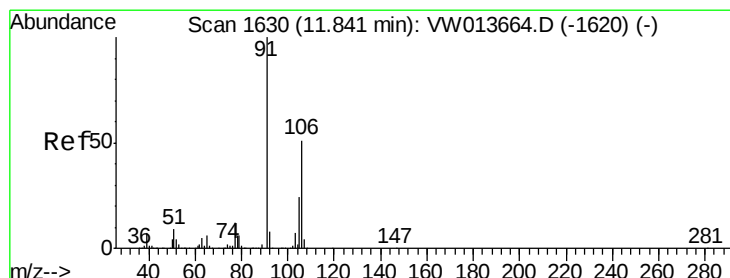
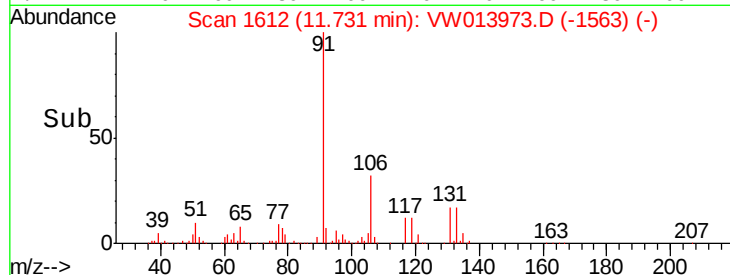
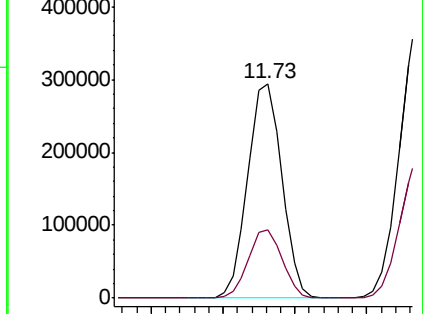
91 100

106 32.1 25.0 37.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 98.574 ug/l

RT: 11.83 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW013973.D

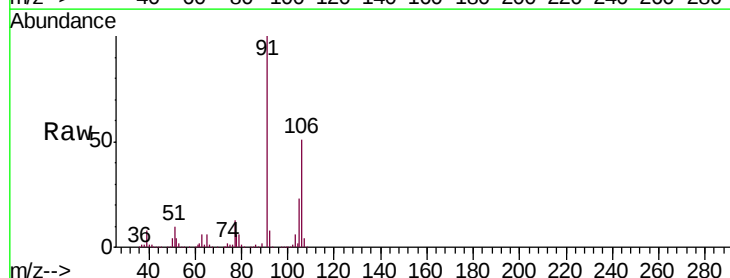
Acq: 12 Nov 2019 14:17

Tgt Ion: 106 Resp: 375853

Ion Ratio Lower Upper

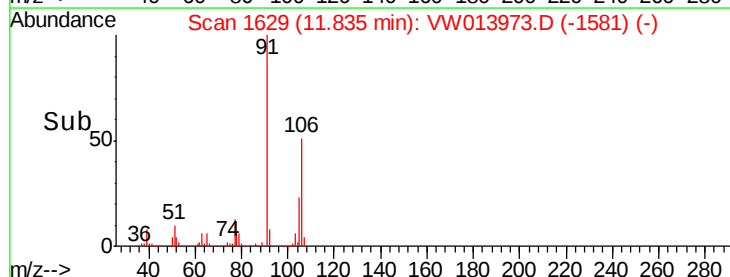
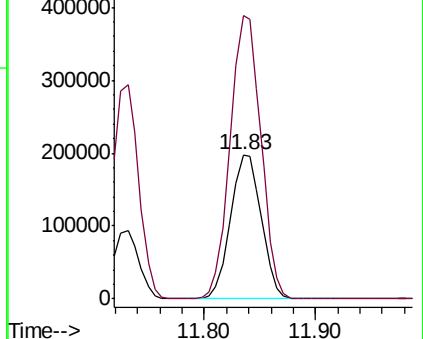
106 100

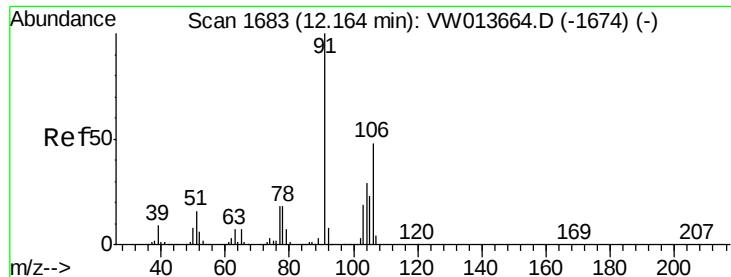
91 197.4 159.2 238.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

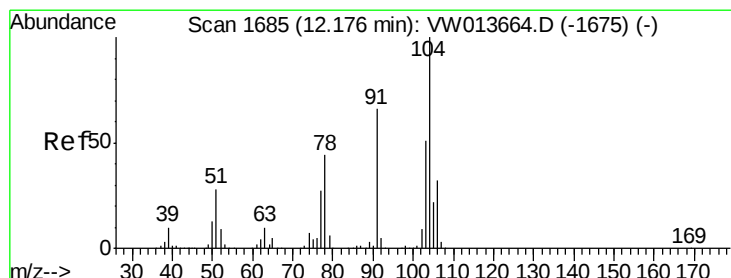
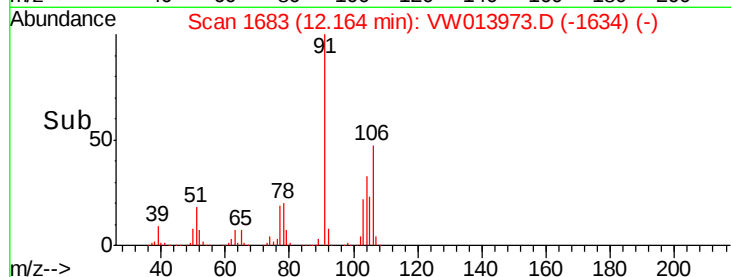
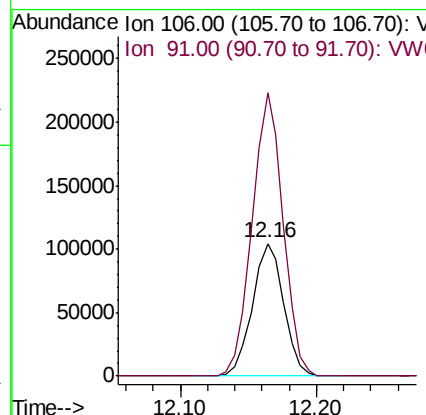
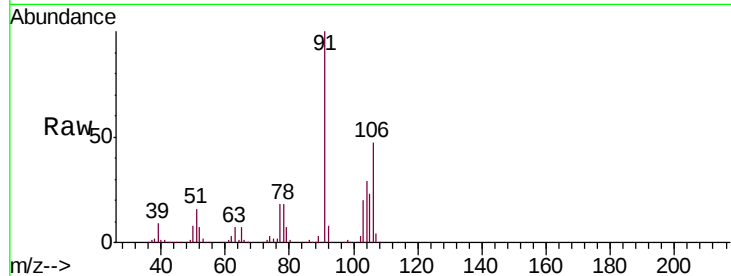




#69
o-Xylene
Concen: 48.090 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013973.D
Acq: 12 Nov 2019 14:17

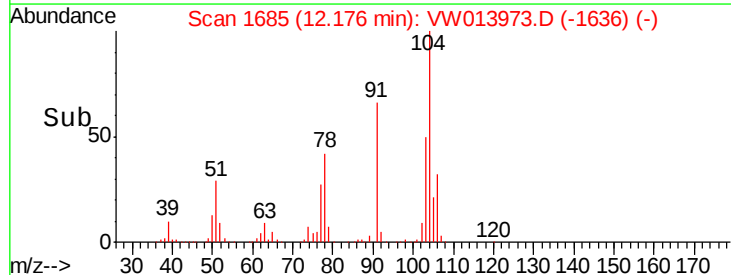
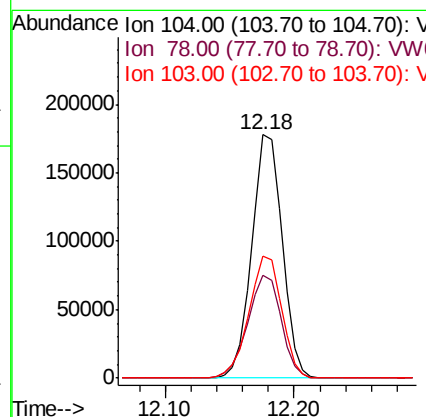
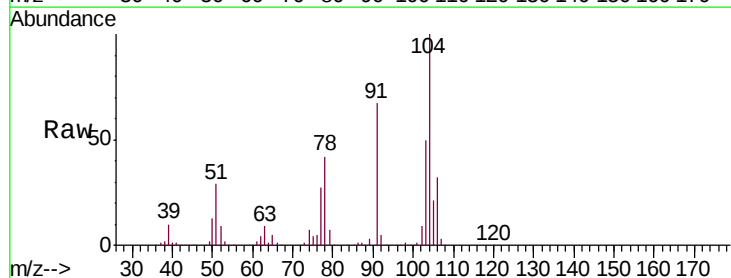
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

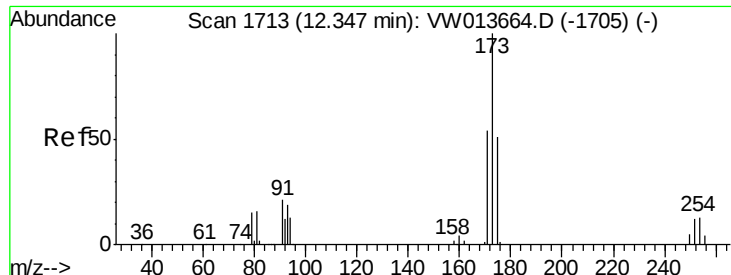
Tgt Ion:106 Resp: 168541
Ion Ratio Lower Upper
106 100
91 210.9 104.9 314.7



#70
Styrene
Concen: 48.128 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW013973.D
Acq: 12 Nov 2019 14:17

Tgt Ion:104 Resp: 289805
Ion Ratio Lower Upper
104 100
78 46.7 37.1 55.7
103 54.0 43.6 65.4

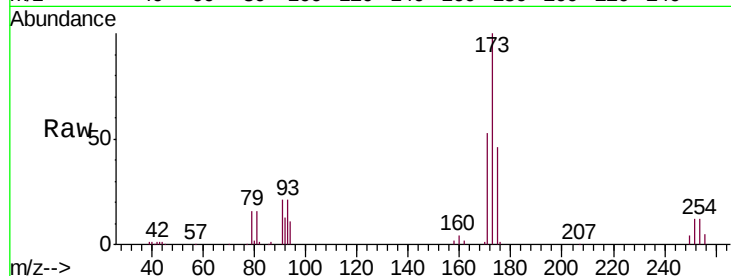




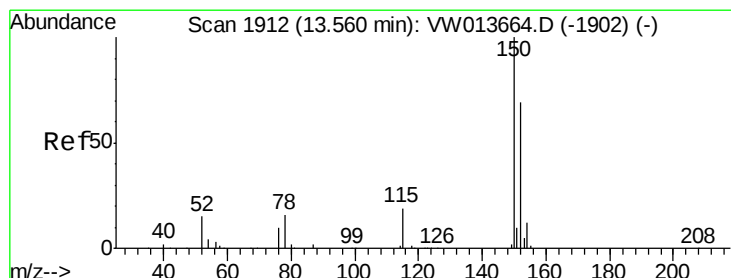
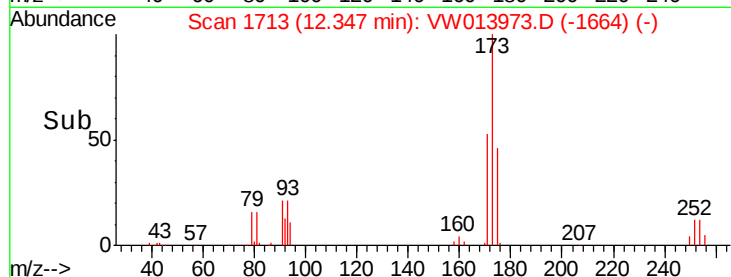
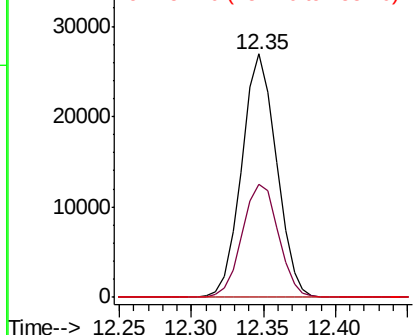
#71
Bromoform
Concen: 45.069 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW013973.D
Acq: 12 Nov 2019 14:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 45177
Ion Ratio Lower Upper
173 100
175 48.2 25.2 75.6
254 0.0 0.1 0.1#

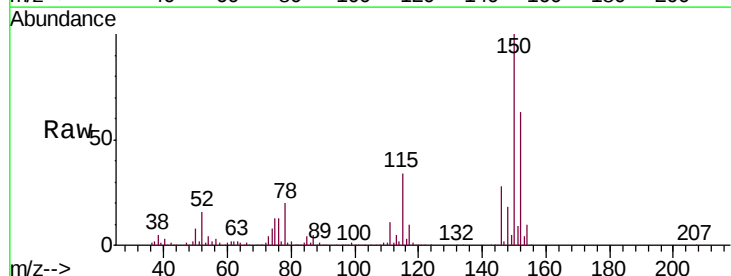


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

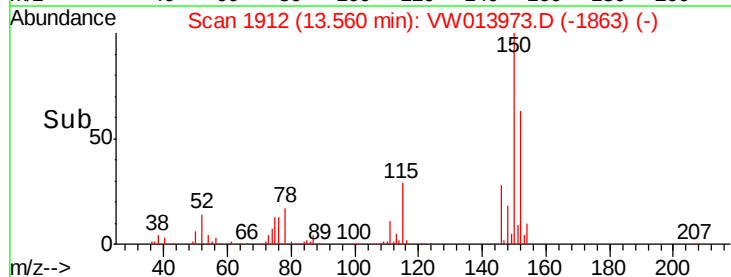
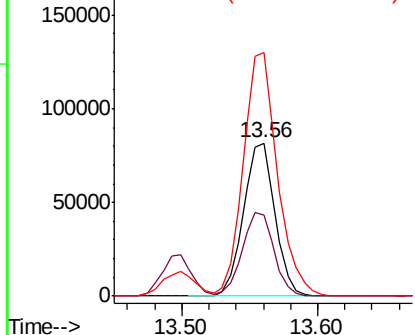


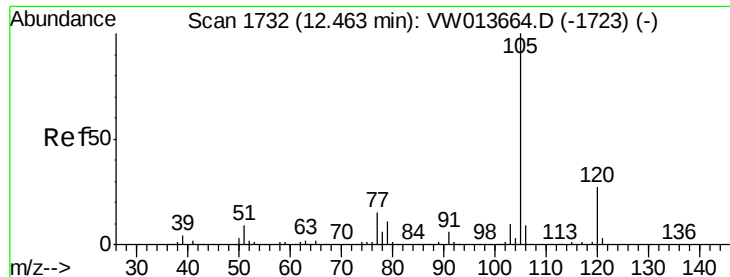
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW013973.D
Acq: 12 Nov 2019 14:17

Tgt Ion:152 Resp: 131835
Ion Ratio Lower Upper
152 100
115 55.1 27.4 82.2
150 172.9 0.0 345.4



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: 51.908 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013973.D

Acq: 12 Nov 2019 14:17

Instrument :

MSVOA_W

ClientSampleId :

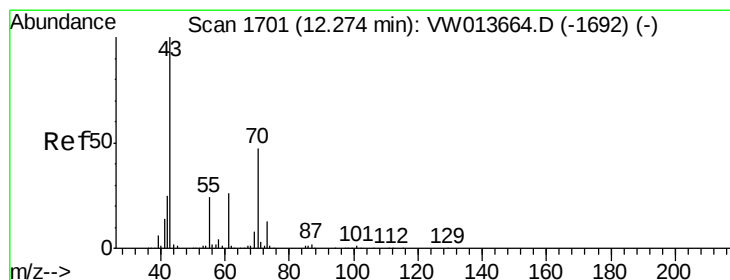
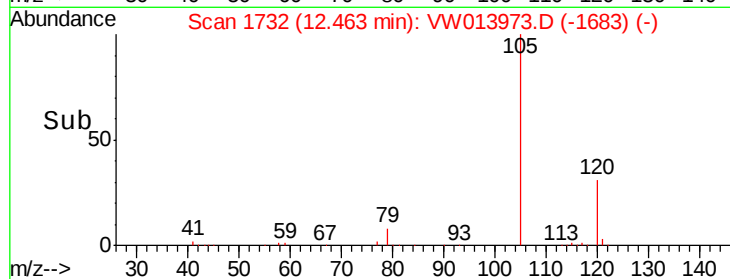
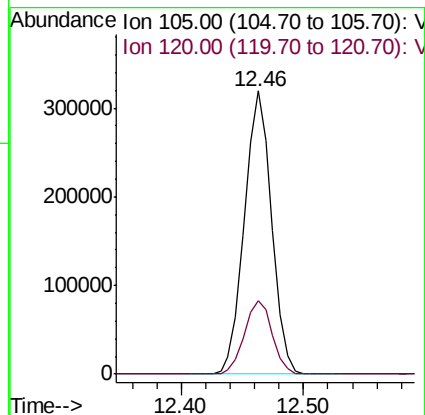
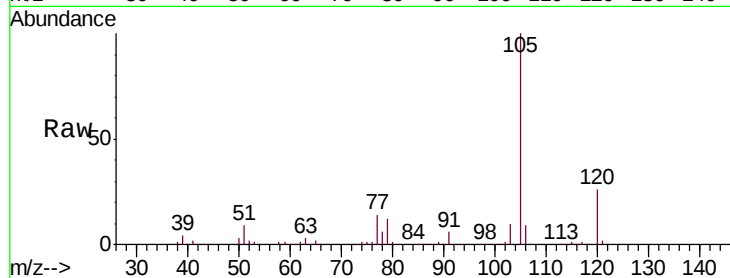
VSTDCCC050

Tgt Ion:105 Resp: 491445

Ion Ratio Lower Upper

105 100

120 26.6 13.5 40.4



#74

N-ethyl acetate

Concen: 48.283 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.01 min

Lab File: VW013973.D

Acq: 12 Nov 2019 14:17

Tgt Ion: 43 Resp: 88427

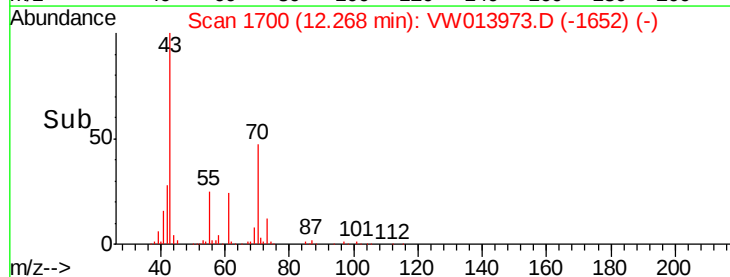
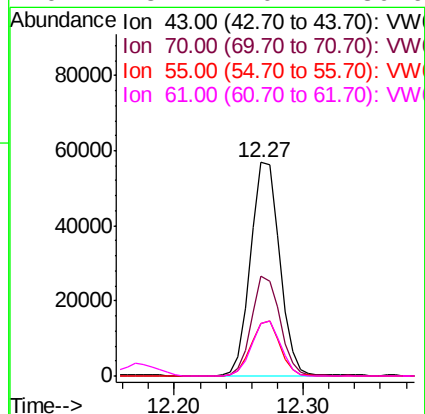
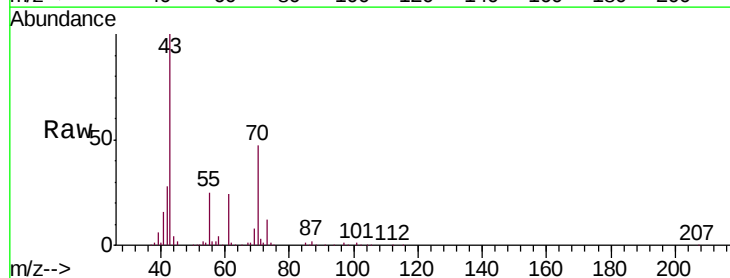
Ion Ratio Lower Upper

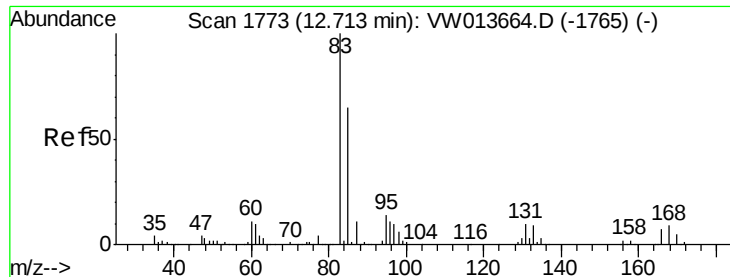
43 100

70 45.7 36.6 55.0

55 25.5 20.3 30.5

61 25.4 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 46.560 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013973.D

Acq: 12 Nov 2019 14:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

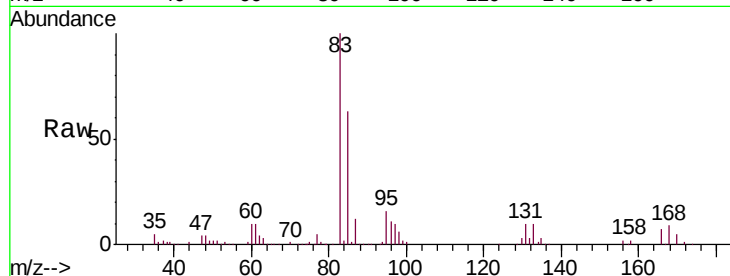
Tgt Ion: 83 Resp: 69561

Ion Ratio Lower Upper

83 100

131 10.8 5.7 17.1

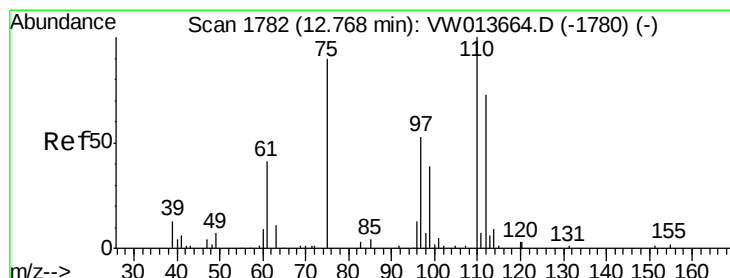
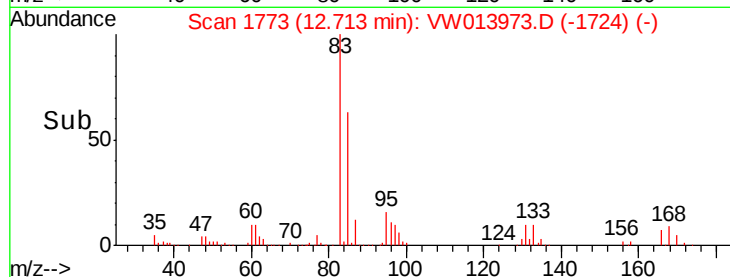
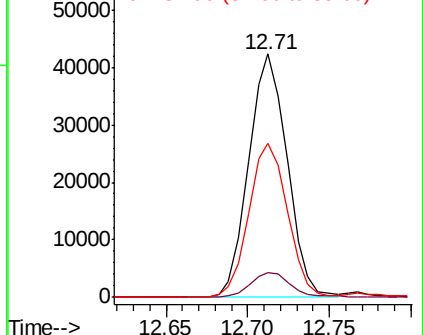
85 63.7 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 95.043 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW013973.D

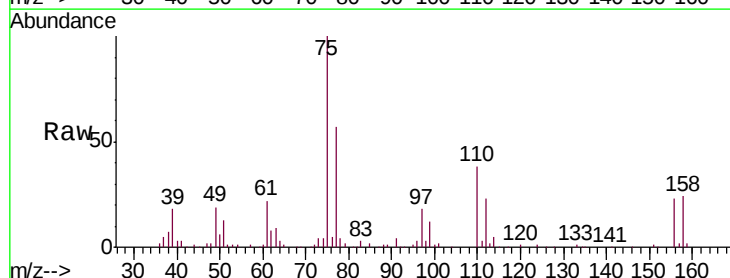
Acq: 12 Nov 2019 14:17

Tgt Ion: 75 Resp: 89983

Ion Ratio Lower Upper

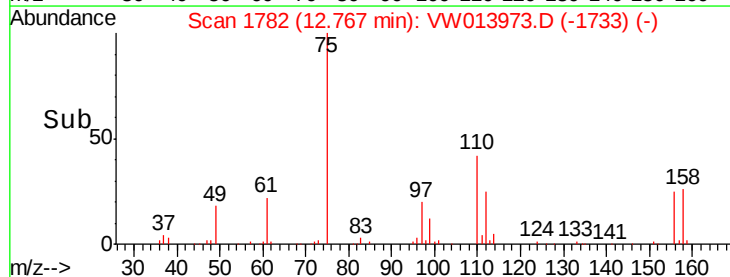
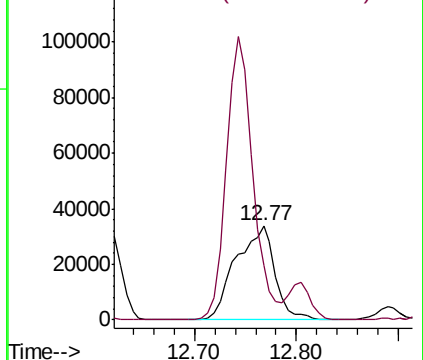
75 100

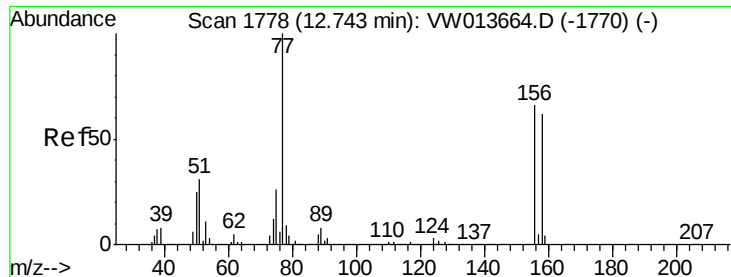
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 47.996 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013973.D

Acq: 12 Nov 2019 14:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

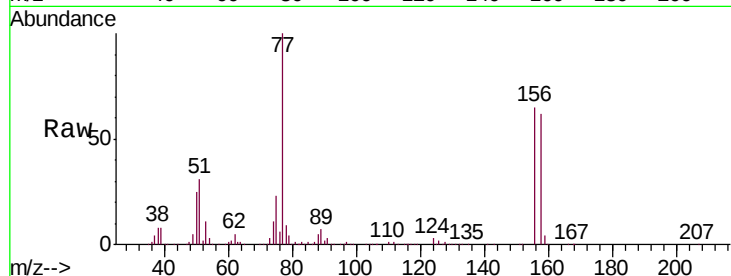
Tgt Ion: 156 Resp: 108550

Ion Ratio Lower Upper

156 100

77 168.9 82.9 248.7

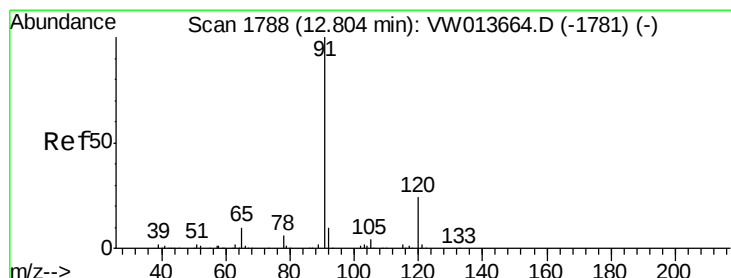
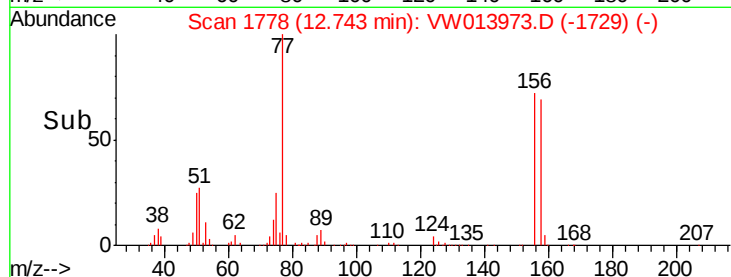
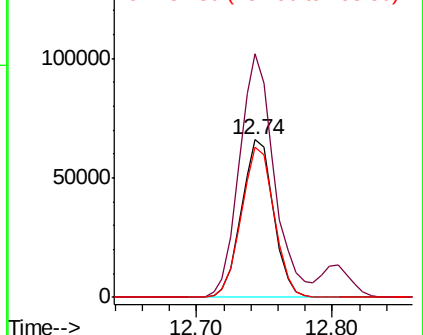
158 97.7 48.4 145.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.729 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013973.D

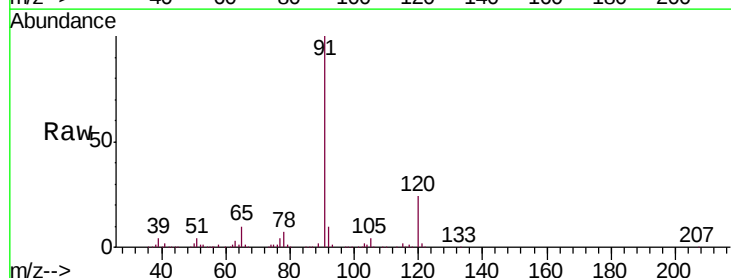
Acq: 12 Nov 2019 14:17

Tgt Ion: 91 Resp: 566850

Ion Ratio Lower Upper

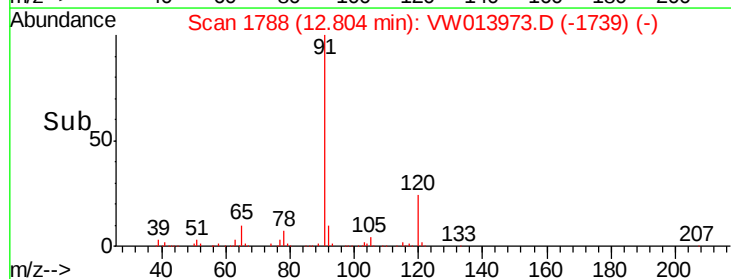
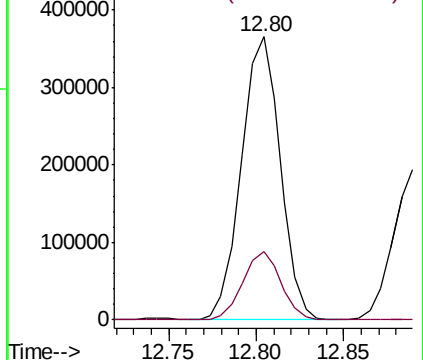
91 100

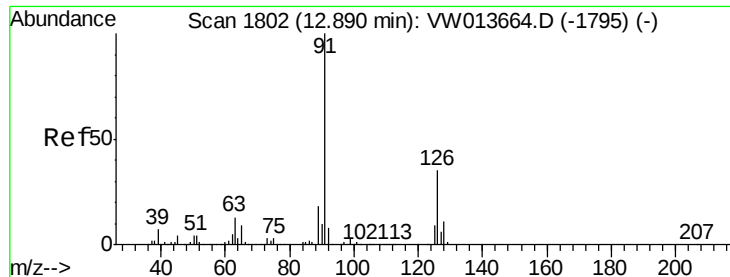
120 23.8 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.250 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013973.D

Acq: 12 Nov 2019 14:17

Instrument :

MSVOA_W

ClientSampleId :

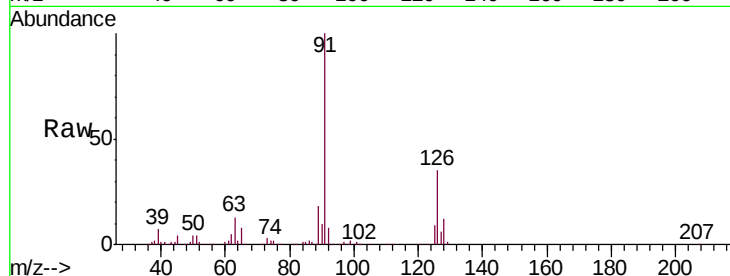
VSTDCCC050

Tgt Ion: 91 Resp: 309445

Ion Ratio Lower Upper

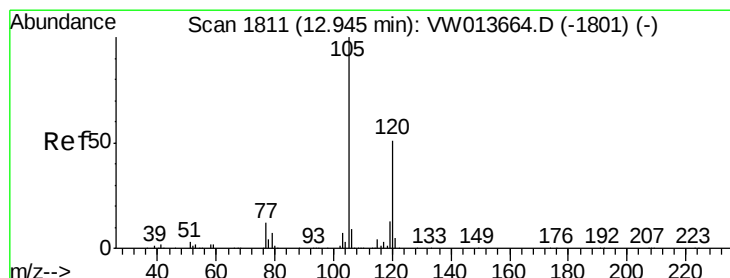
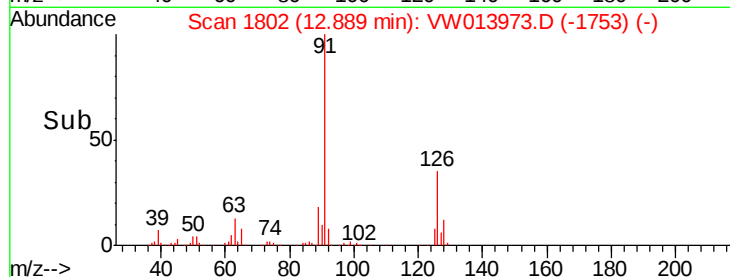
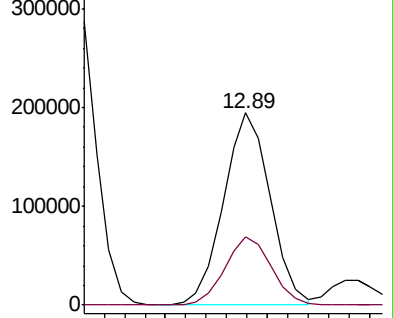
91 100

126 35.4 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 50.485 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW013973.D

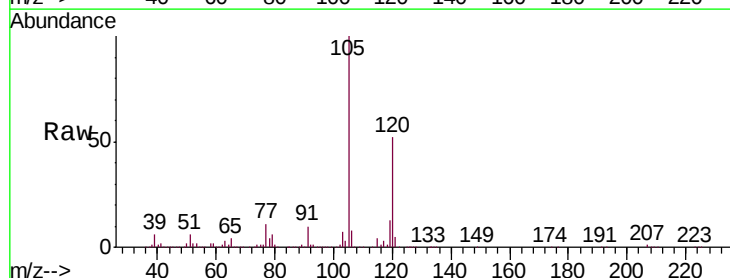
Acq: 12 Nov 2019 14:17

Tgt Ion: 105 Resp: 403483

Ion Ratio Lower Upper

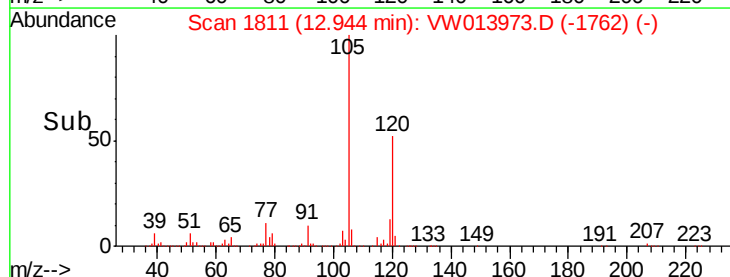
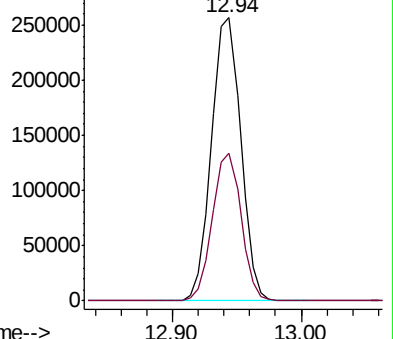
105 100

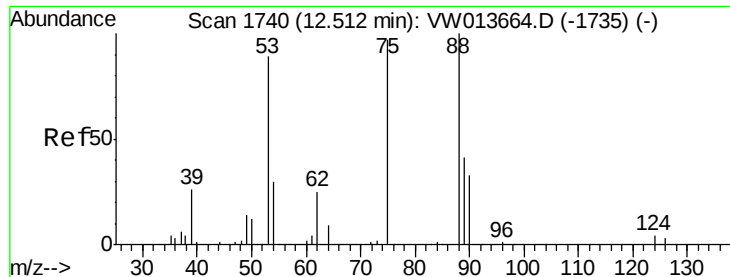
120 51.2 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 45.454 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW013973.D

Acq: 12 Nov 2019 14:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

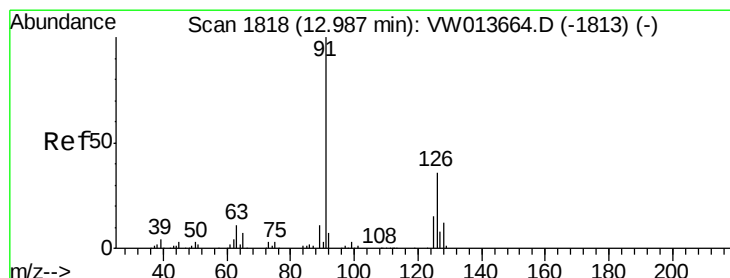
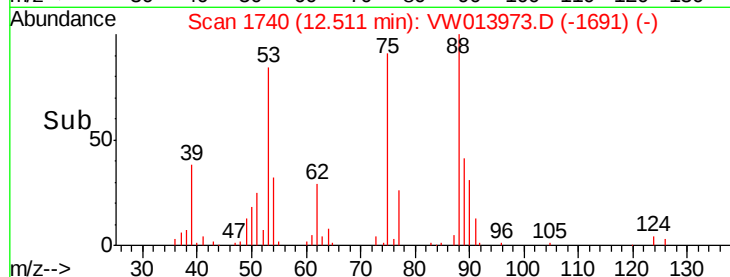
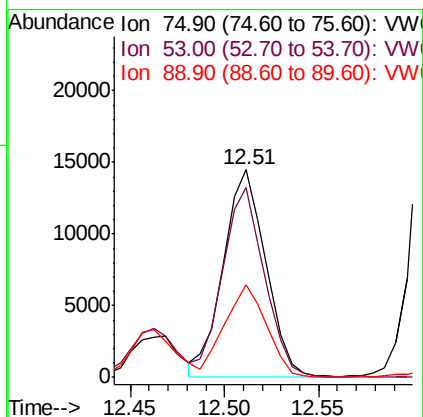
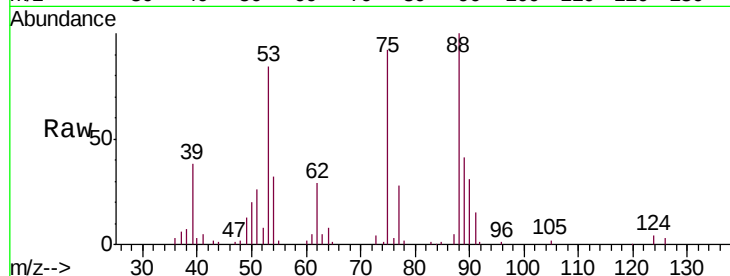
Tgt Ion: 75 Resp: 22771

Ion Ratio Lower Upper

75 100

53 90.1 71.7 107.5

89 43.5 35.8 53.8



#82

4-Chlorotoluene

Concen: 49.560 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW013973.D

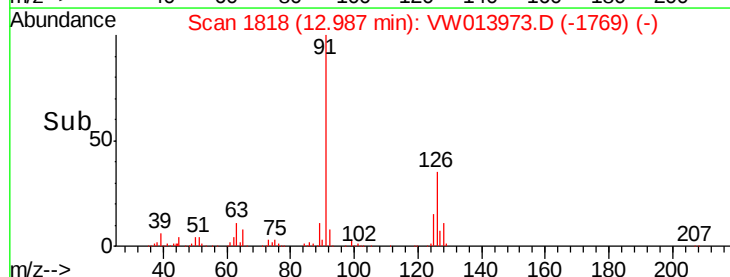
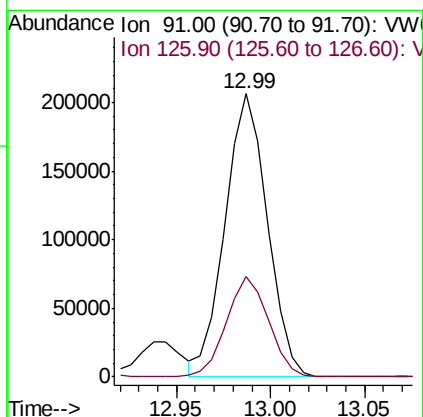
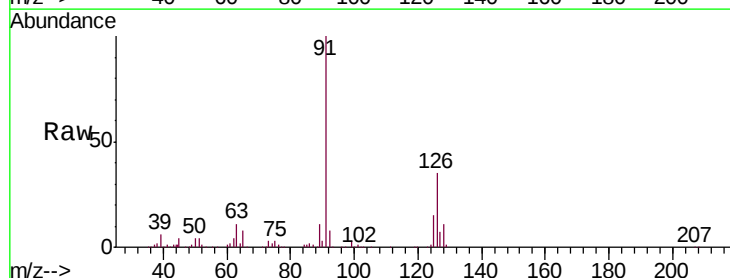
Acq: 12 Nov 2019 14:17

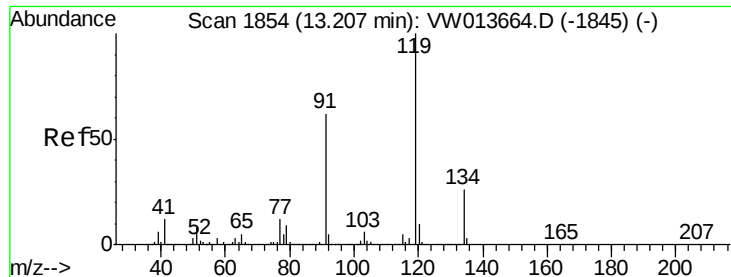
Tgt Ion: 91 Resp: 320403

Ion Ratio Lower Upper

91 100

126 35.4 17.2 51.5

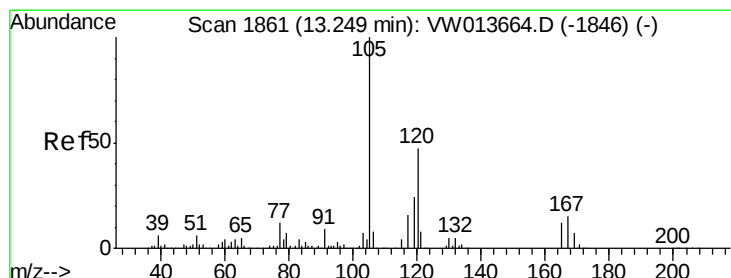
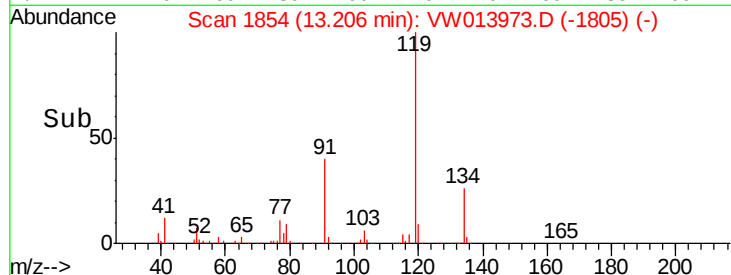
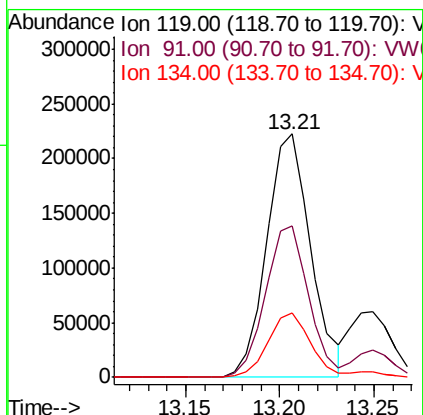
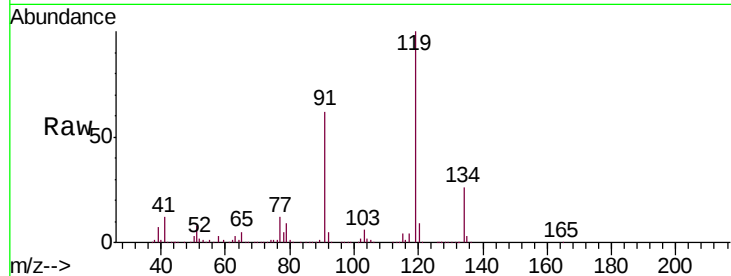




#83
tert-Butylbenzene
Concen: 50.821 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW013973.D
Acq: 12 Nov 2019 14:17

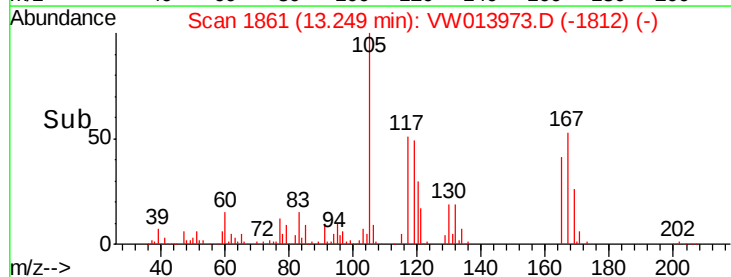
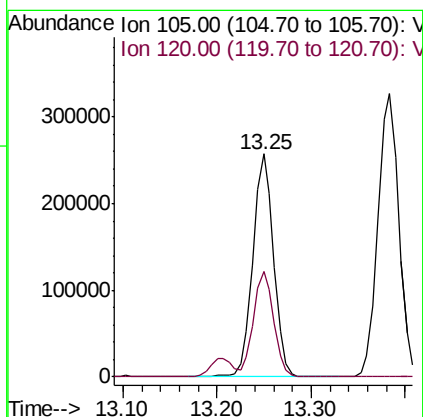
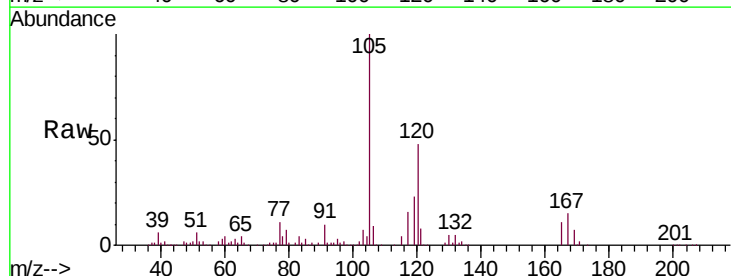
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

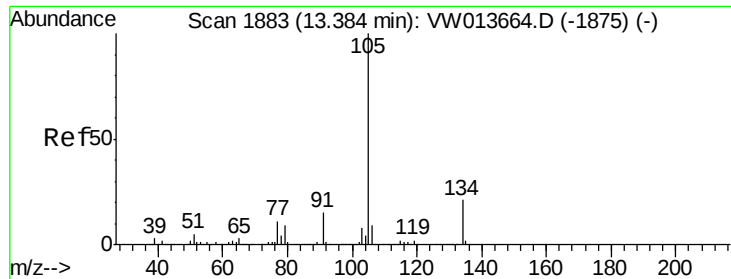
Tgt Ion:119 Resp: 360531
Ion Ratio Lower Upper
119 100
91 61.0 30.4 91.3
134 25.6 13.6 40.8



#84
1,2,4-Trimethylbenzene
Concen: 50.688 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW013973.D
Acq: 12 Nov 2019 14:17

Tgt Ion:105 Resp: 399611
Ion Ratio Lower Upper
105 100
120 45.9 23.5 70.5

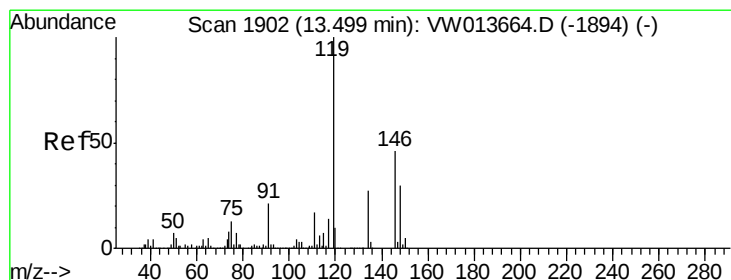
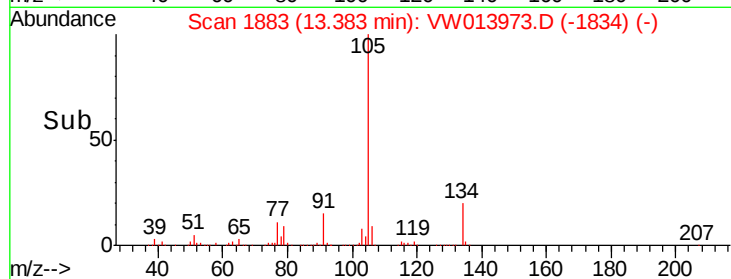
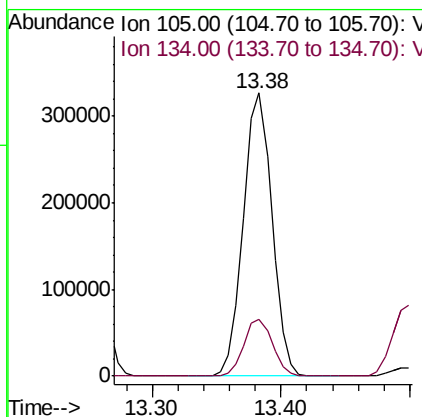
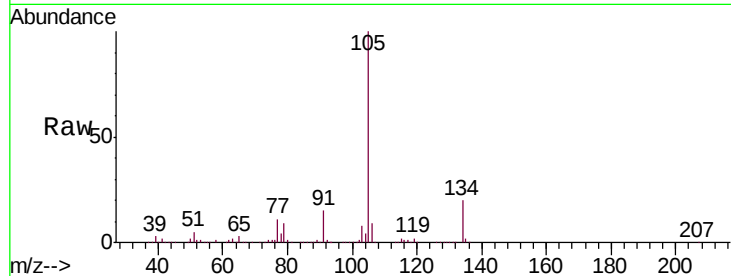




#85
 sec-Butylbenzene
 Concen: 51.717 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW013973.D
 Acq: 12 Nov 2019 14:17

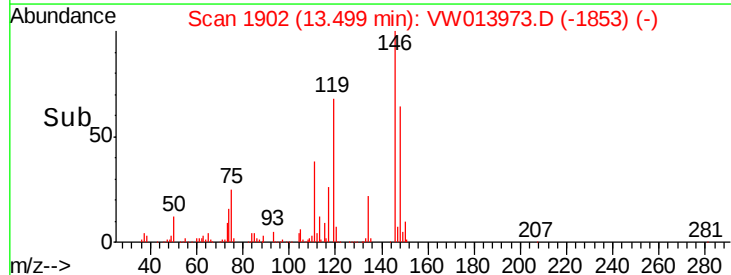
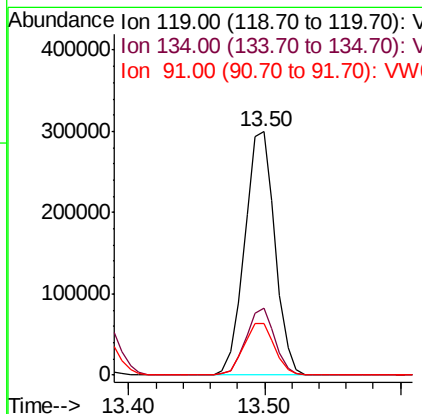
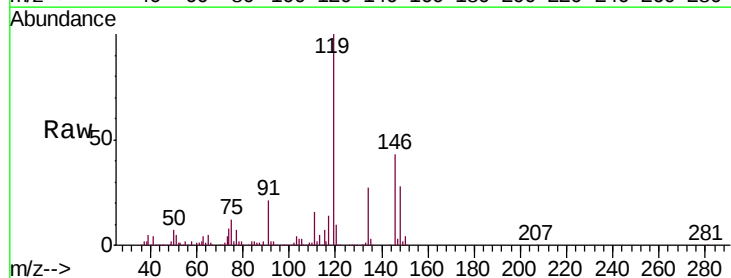
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

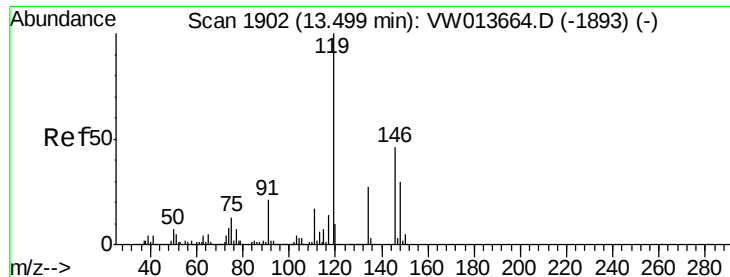
Tgt Ion:105 Resp: 501708
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.5 31.5



#86
 p-Isopropyltoluene
 Concen: 51.355 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013973.D
 Acq: 12 Nov 2019 14:17

Tgt Ion:119 Resp: 464073
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.4 40.1
 91 21.5 10.8 32.3





#87

1,3-Dichlorobenzene

Concen: 48.343 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW013973.D

Acq: 12 Nov 2019 14:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

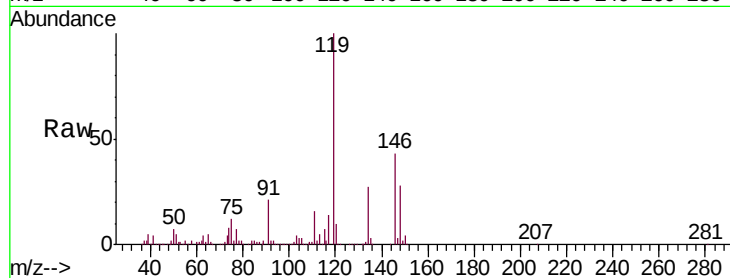
Tgt Ion:146 Resp: 211838

Ion Ratio Lower Upper

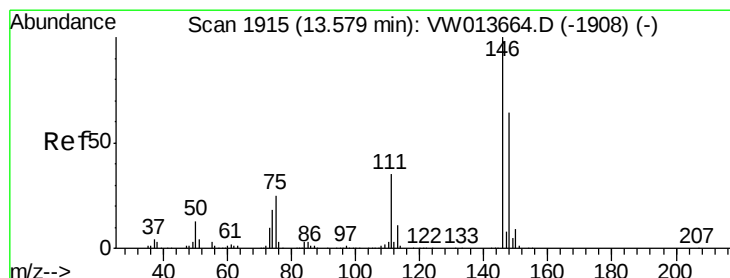
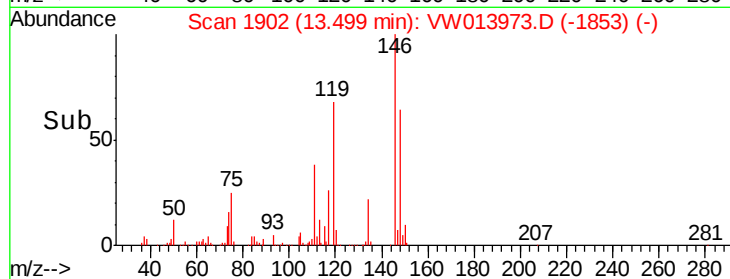
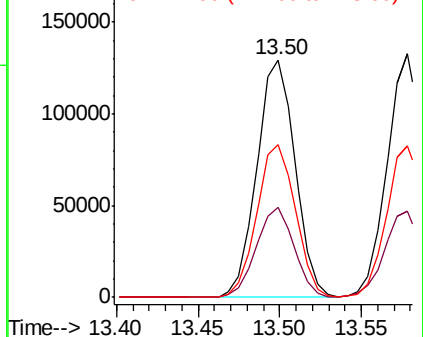
146 100

111 37.5 18.6 56.0

148 64.9 31.7 95.1



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



#88

1,4-Dichlorobenzene

Concen: 47.991 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW013973.D

Acq: 12 Nov 2019 14:17

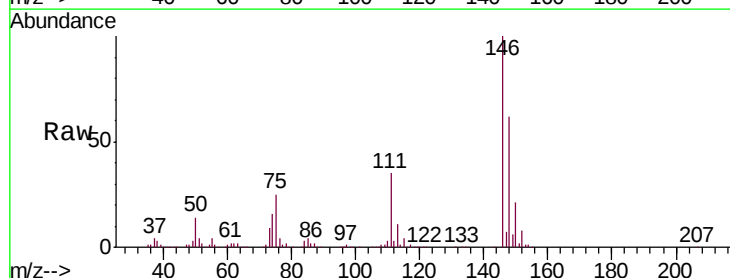
Tgt Ion:146 Resp: 208921

Ion Ratio Lower Upper

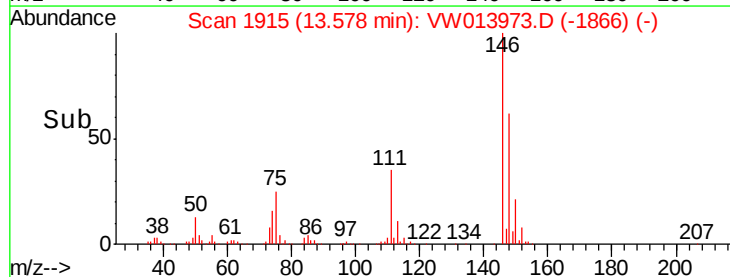
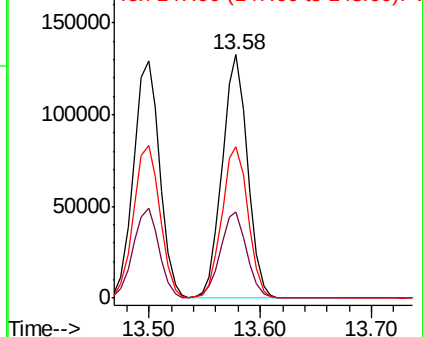
146 100

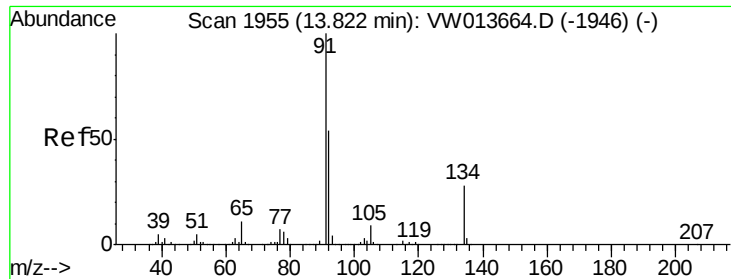
111 36.6 18.1 54.3

148 64.3 32.0 96.2



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





#89

n-Butylbenzene

Concen: 51.236 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW013973.D

Acq: 12 Nov 2019 14:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

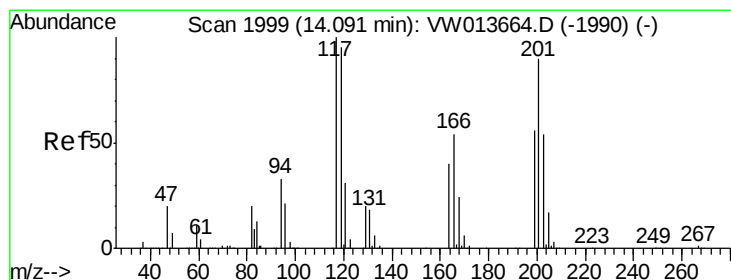
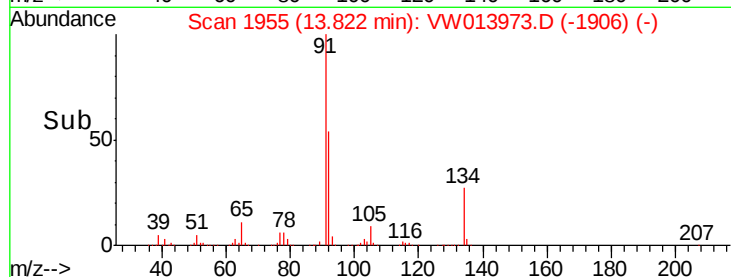
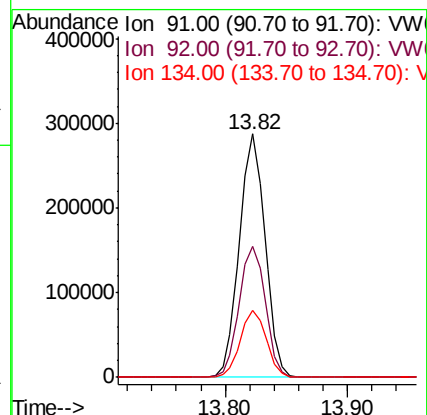
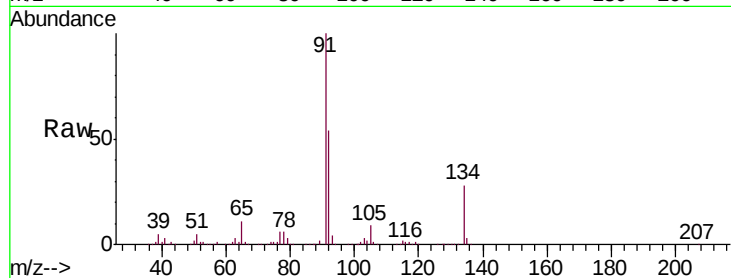
Tgt Ion: 91 Resp: 417917

Ion Ratio Lower Upper

91 100

92 54.7 27.5 82.4

134 27.8 14.0 41.9



#90

Hexachloroethane

Concen: 50.234 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW013973.D

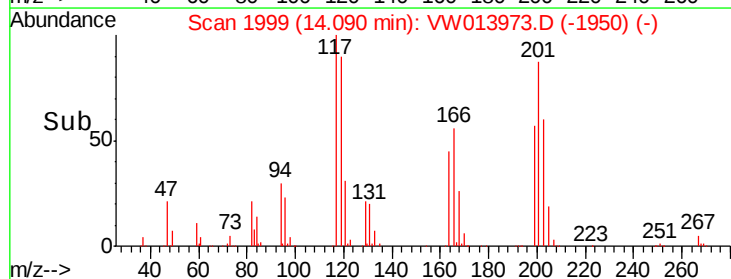
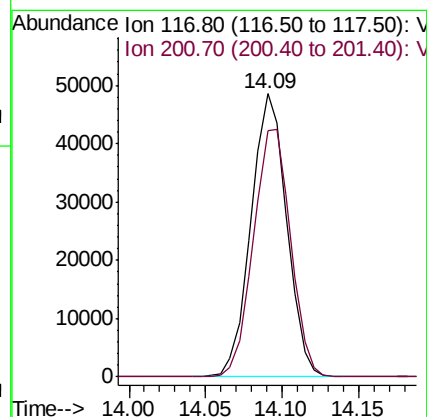
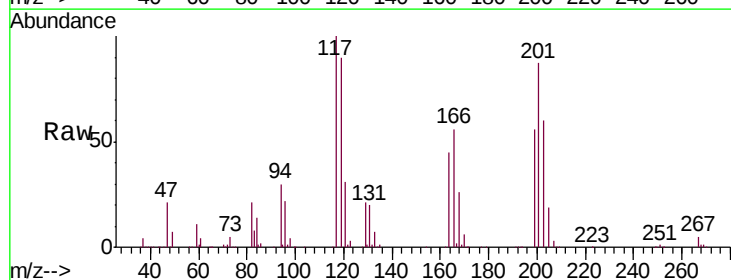
Acq: 12 Nov 2019 14:17

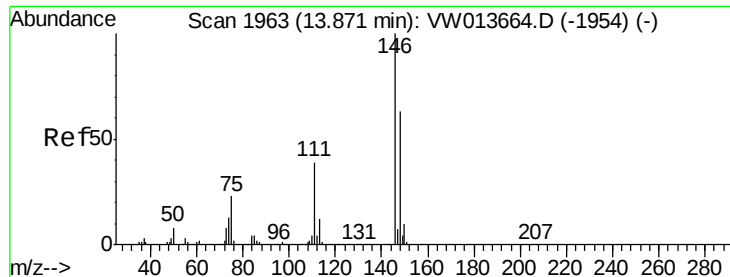
Tgt Ion: 117 Resp: 78903

Ion Ratio Lower Upper

117 100

201 91.3 46.1 138.2





#91

1,2-Dichlorobenzene

Concen: 48.281 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW013973.D

Acq: 12 Nov 2019 14:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

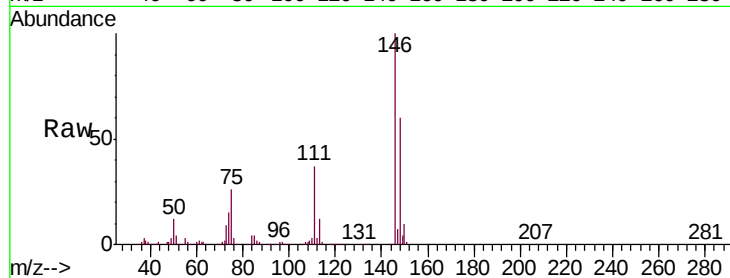
Tgt Ion:146 Resp: 183444

Ion Ratio Lower Upper

146 100

111 38.8 19.9 59.6

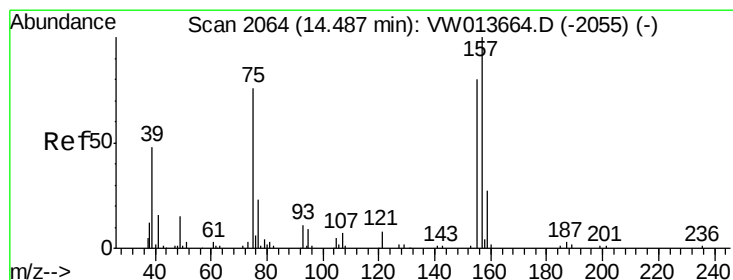
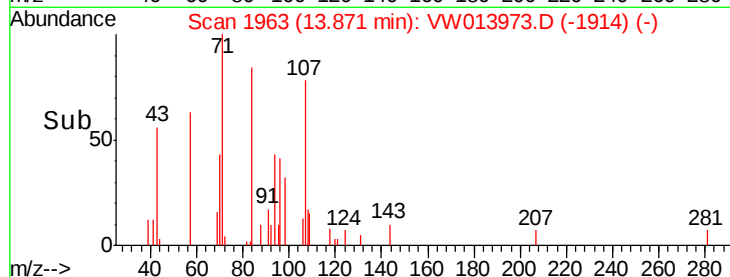
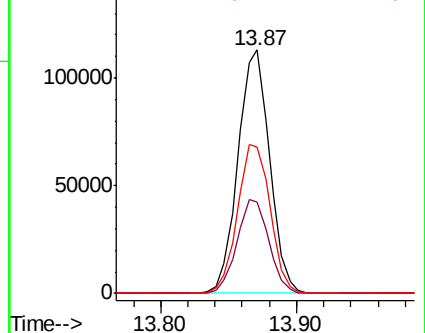
148 63.3 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 47.424 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW013973.D

Acq: 12 Nov 2019 14:17

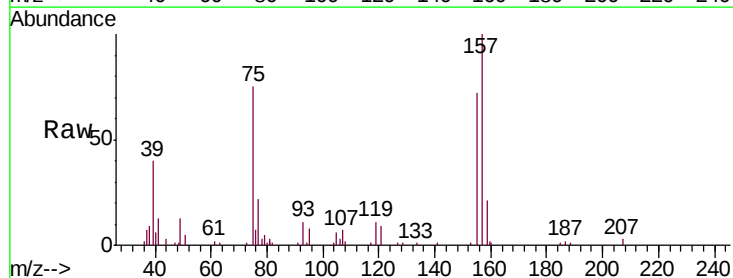
Tgt Ion: 75 Resp: 10714

Ion Ratio Lower Upper

75 100

155 96.7 51.9 155.7

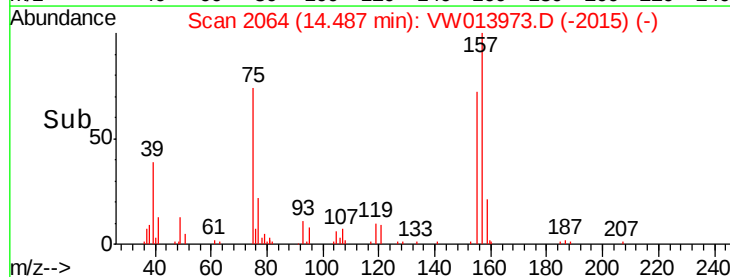
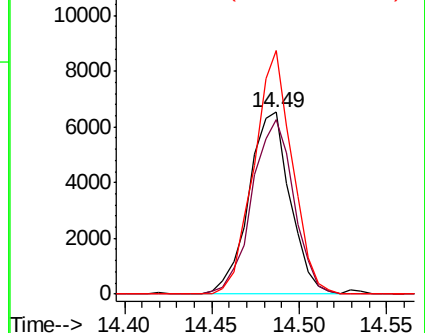
157 123.5 64.8 194.3

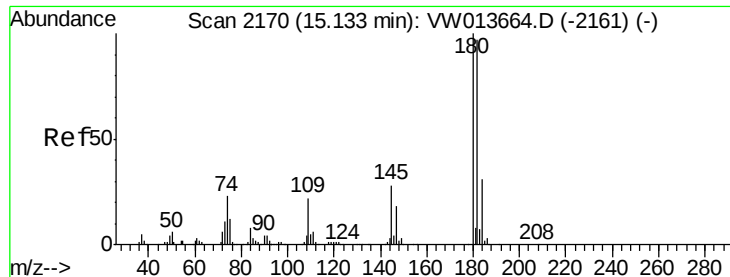


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

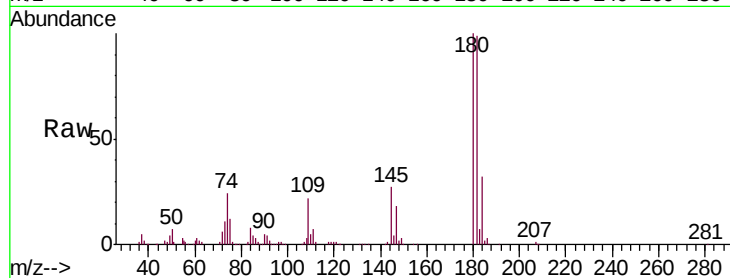




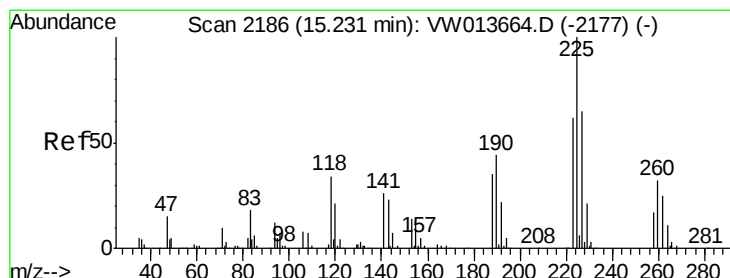
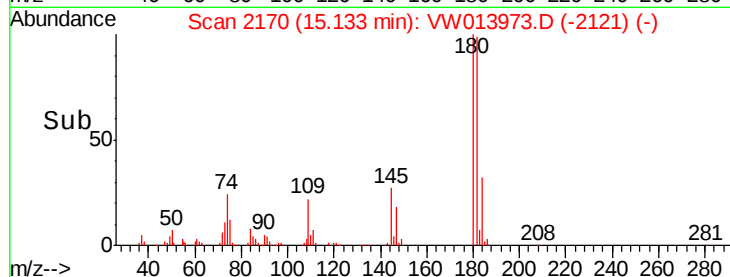
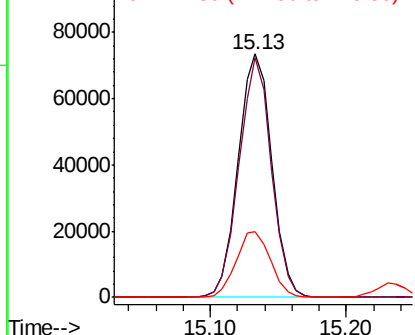
#93
 1,2,4-Trichlorobenzene
 Concen: 45.921 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013973.D
 Acq: 12 Nov 2019 14:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion:180 Resp: 126978
 Ion Ratio Lower Upper
 180 100
 182 94.5 47.4 142.2
 145 27.6 14.1 42.3

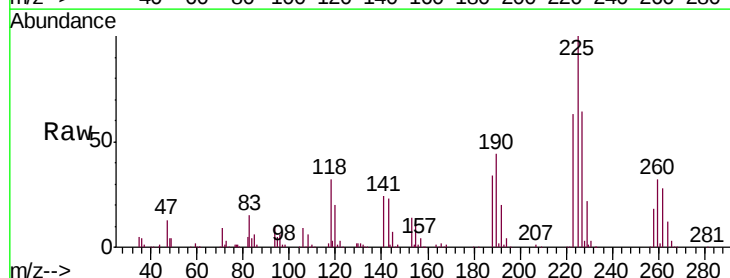


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

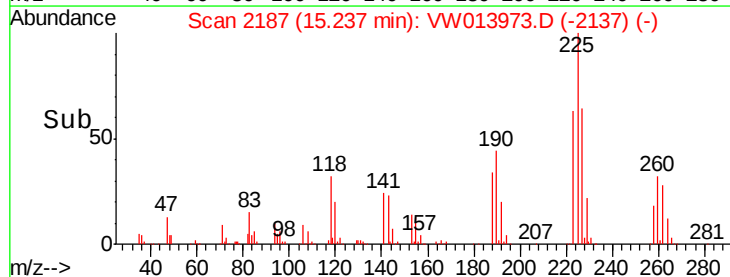
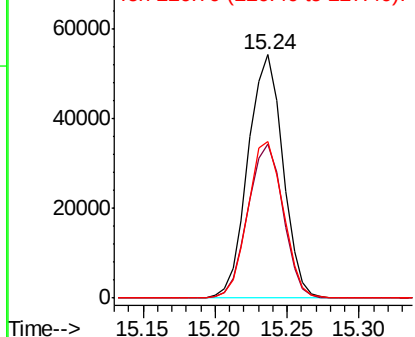


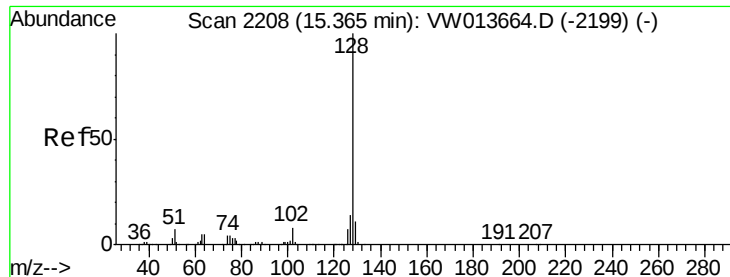
#94
 Hexachlorobutadiene
 Concen: 48.550 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.01 min
 Lab File: VW013973.D
 Acq: 12 Nov 2019 14:17

Tgt Ion:225 Resp: 90629
 Ion Ratio Lower Upper
 225 100
 223 63.8 31.9 95.9
 227 65.4 32.5 97.4



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

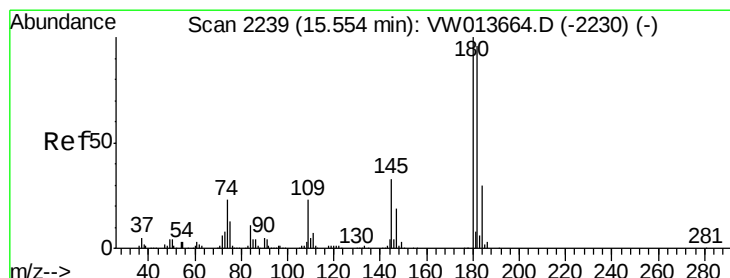
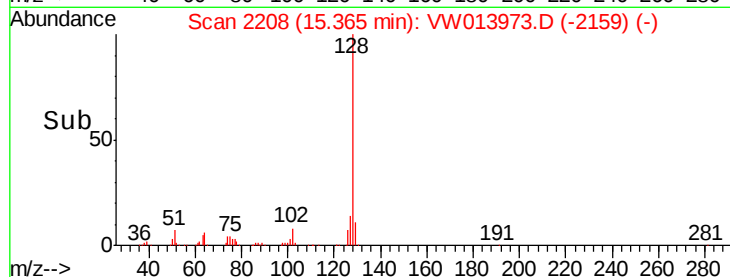
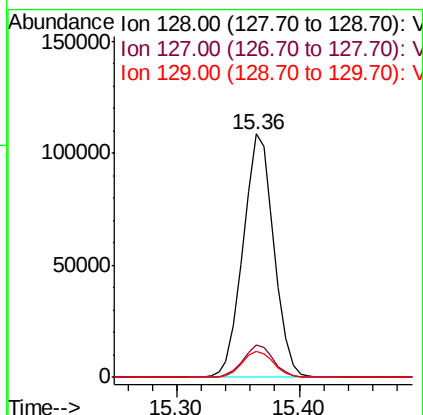
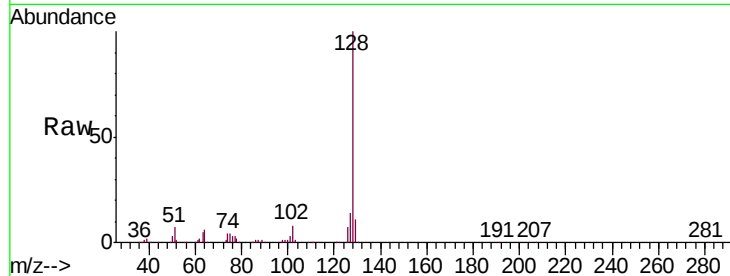




#95
Naphthalene
Concen: 43.848 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013973.D
Acq: 12 Nov 2019 14:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	15.8
129	11.0	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 44.286 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013973.D
Acq: 12 Nov 2019 14:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.9	47.4	142.3
145	29.3	14.9	44.9

