

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW011320\
 Data File : VW014623.D
 Acq On : 13 Jan 2020 15:09
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jan 14 12:17:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 03 16:07:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	723310	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1068815	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	917299	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	467703	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	315519	49.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.78%	
35) Dibromofluoromethane	7.88	113	314666	51.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.02%	
50) Toluene-d8	10.32	98	1281370	50.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.54%	
62) 4-Bromofluorobenzene	12.62	95	436798	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.01	85	194629	47.657	ug/l	99
3) Chloromethane	2.21	50	214445	42.899	ug/l	99
4) Vinyl Chloride	2.36	62	355218	48.313	ug/l	99
5) Bromomethane	2.77	94	221788	48.831	ug/l	97
6) Chloroethane	2.92	64	206759	49.332	ug/l	99
7) Trichlorofluoromethane	3.25	101	163793	44.525	ug/l	94
8) Diethyl Ether	3.68	74	185887	50.786	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	356117	51.810	ug/l	99
10) Methyl Iodide	4.27	142	520717	50.209	ug/l	100
11) Tert butyl alcohol	5.16	59	128563	265.043	ug/l	99
12) 1,1-Dichloroethene	4.04	96	369562	51.342	ug/l	97
13) Acrolein	3.89	56	120275	217.904	ug/l	99
14) Allyl chloride	4.66	41	547691	49.791	ug/l	99
15) Acrylonitrile	5.36	53	450038	268.991	ug/l	99
16) Acetone	4.11	43	476250	266.704	ug/l	98
17) Carbon Disulfide	4.39	76	1039824	47.930	ug/l	99
18) Methyl Acetate	4.67	43	227733	52.806	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	491911	55.054	ug/l	97
20) Methylene Chloride	4.92	84	398993	55.763	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	385271	50.408	ug/l	99
22) Diisopropyl ether	6.31	45	1072281	52.081	ug/l	99
23) Vinyl Acetate	6.25	43	3298478	265.309	ug/l	100
24) 1,1-Dichloroethane	6.21	63	666074	51.288	ug/l	100
25) 2-Butanone	7.17	43	622208	271.514	ug/l	100
26) 2,2-Dichloropropane	7.17	77	348912	48.526	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	413379	51.473	ug/l	100
28) Bromochloromethane	7.51	49	278020	54.604	ug/l	99
29) Tetrahydrofuran	7.52	42	377834	266.141	ug/l	99
30) Chloroform	7.67	83	627514	51.670	ug/l	99
31) Cyclohexane	7.95	56	648526	48.051	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	504652	51.667	ug/l	99
36) 1,1-Dichloropropene	8.08	75	528861	51.326	ug/l	100
37) Ethyl Acetate	7.25	43	248574	53.192	ug/l	99
38) Carbon Tetrachloride	8.06	117	467391	52.285	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	678694	51.327	ug/l	98
40) Benzene	8.32	78	1507060	51.694	ug/l	100
41) Methacrylonitrile	7.48	41	158022	60.662	ug/l	92
42) 1,2-Dichloroethane	8.40	62	396203	52.369	ug/l	99
43) Isopropyl Acetate	8.42	43	465763	54.887	ug/l	100
44) Trichloroethene	9.09	130	410194	51.998	ug/l	97
45) 1,2-Dichloropropane	9.37	63	374274	52.317	ug/l	98
46) Dibromomethane	9.46	93	186118	52.700	ug/l	99
47) Bromodichloromethane	9.64	83	463580	53.168	ug/l	99
48) Methyl methacrylate	9.43	41	224953	54.295	ug/l	98
49) 1,4-Dioxane	9.44	88	71380	1080.621	ug/l	100
51) 4-Methyl-2-Pentanone	10.21	43	1232554	279.697	ug/l	99
52) Toluene	10.38	92	956859	52.171	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	481150	53.296	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	589780	53.453	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	278577	54.009	ug/l	99
56) Ethyl methacrylate	10.64	69	380047	56.696	ug/l	99
57) 1,3-Dichloropropane	10.93	76	485596	53.567	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	621912	305.057	ug/l	99
59) 2-Hexanone	10.96	43	879779	289.722	ug/l	100
60) Dibromochloromethane	11.13	129	316235	54.339	ug/l	100
61) 1,2-Dibromoethane	11.23	107	262223	53.558	ug/l	99
64) Tetrachloroethene	10.86	164	359134	54.079	ug/l	96
65) Chlorobenzene	11.66	112	981619	52.234	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	338750	53.537	ug/l	98
67) Ethyl Benzene	11.73	91	1804204	53.273	ug/l	100
68) m/p-Xylenes	11.83	106	1378345	106.339	ug/l	100
69) o-Xylene	12.16	106	638571	53.334	ug/l	99
70) Styrene	12.18	104	1097015	54.170	ug/l	100
71) Bromoform	12.35	173	190627	55.233	ug/l #	99
73) Isopropylbenzene	12.46	105	1779607	51.857	ug/l	100
74) N-amyl acetate	12.27	43	421200	54.739	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	326214	52.664	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	417322	94.373	ug/l #	100
77) Bromobenzene	12.74	156	412688	51.776	ug/l	99
78) n-propylbenzene	12.80	91	2104330	52.147	ug/l	100
79) 2-Chlorotoluene	12.89	91	1182773	51.504	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	1500161	52.063	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	106986	53.905	ug/l	98
82) 4-Chlorotoluene	12.99	91	1222780	51.251	ug/l	99
83) tert-Butylbenzene	13.21	119	1319087	52.287	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	1471416	51.315	ug/l	99
85) sec-Butylbenzene	13.38	105	1825082	52.265	ug/l	99
86) p-Isopropyltoluene	13.50	119	1675890	52.653	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	800375	51.639	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	789753	51.612	ug/l	100
89) n-Butylbenzene	13.82	91	1589688	53.783	ug/l	100
90) Hexachloroethane	14.09	117	291120	52.357	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	717255	52.651	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	54653	55.717	ug/l	99

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Quant Title : SW846 8260
QLast Update : Fri Jan 03 16:07:20 2020
Response via : Initial Calibration

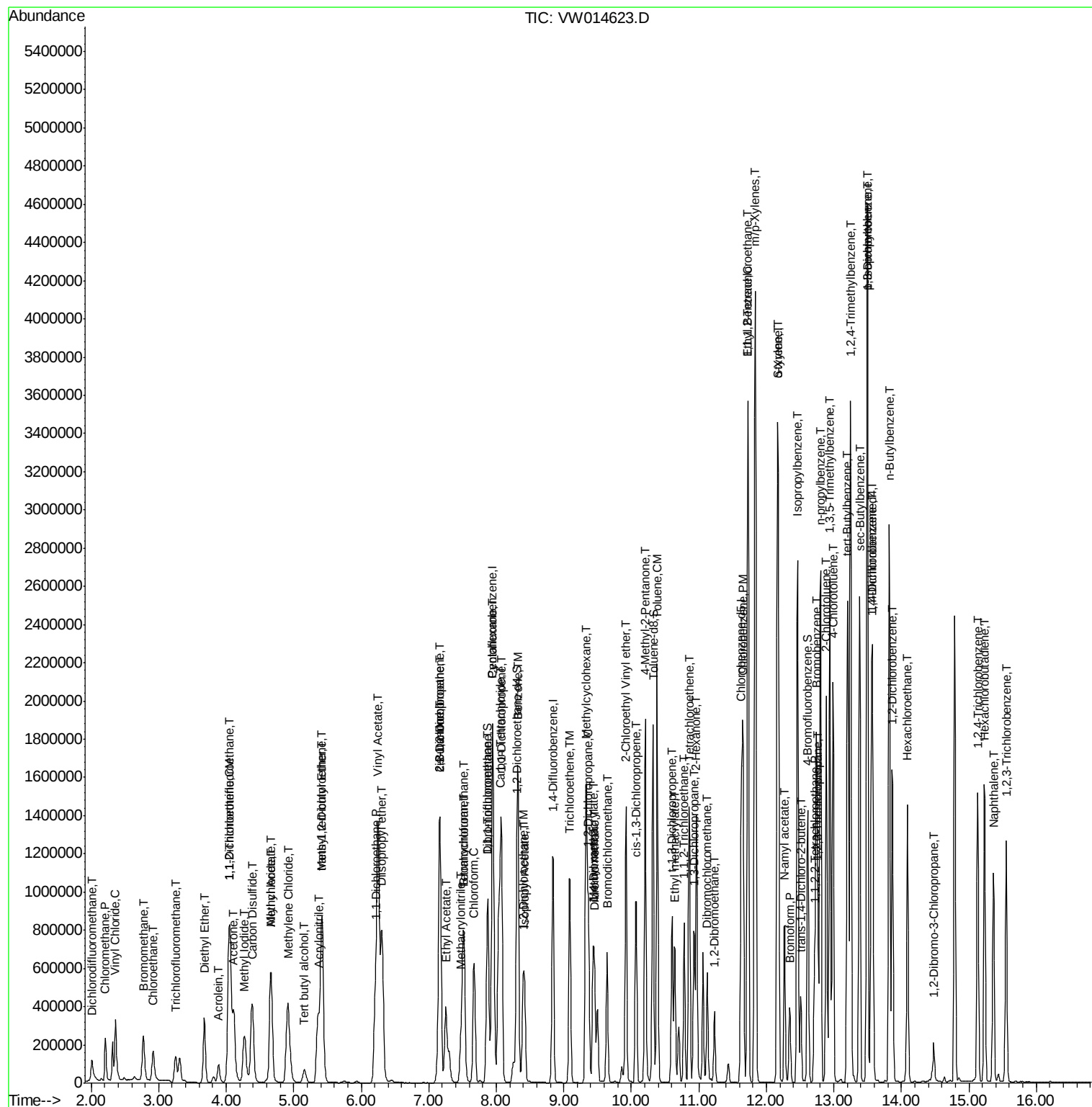
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	527162	57.304	ug/l	99
94) Hexachlorobutadiene	15.23	225	334097	54.193	ug/l	98
95) Naphthalene	15.36	128	960558	61.224	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	465245	58.020	ug/l	99

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

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Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA_W/SOIL
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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: VW014623.D

Acq: 13 Jan 2020 15:09

Instrument :

MSVOA_W

ClientSampleId :

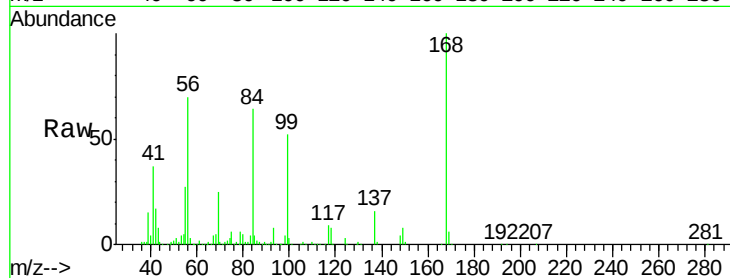
VSTDCCC050EC

Tgt Ion:168 Resp: 723310

Ion Ratio Lower Upper

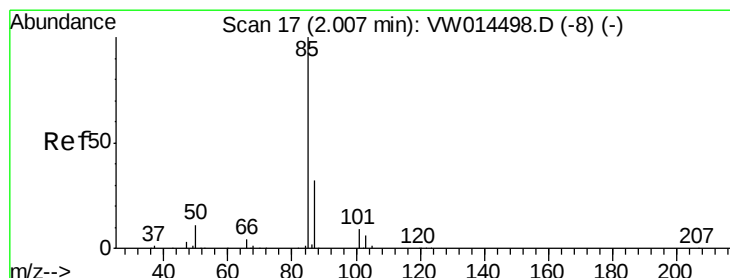
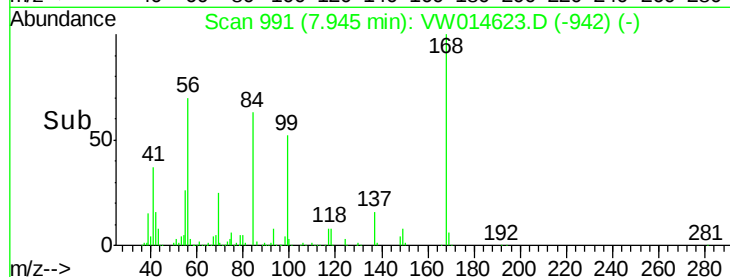
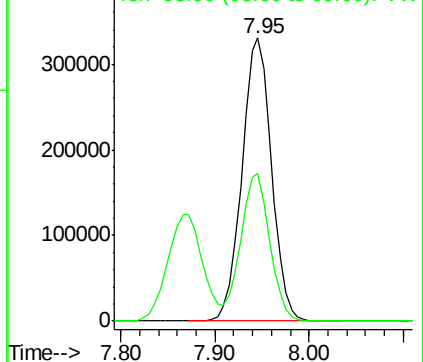
168 100

99 52.0 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 47.657 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW014623.D

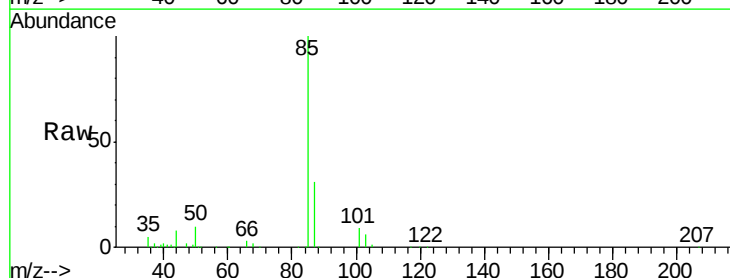
Acq: 13 Jan 2020 15:09

Tgt Ion: 85 Resp: 194629

Ion Ratio Lower Upper

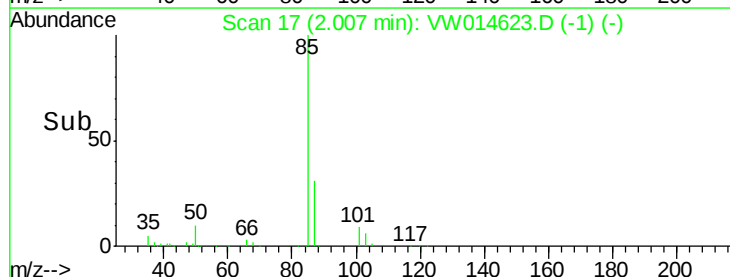
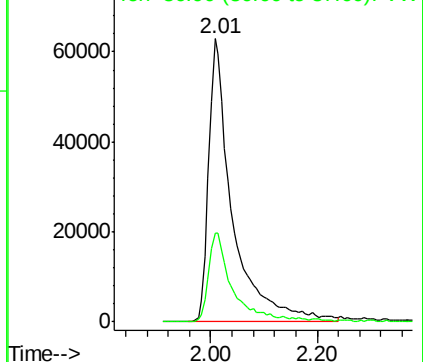
85 100

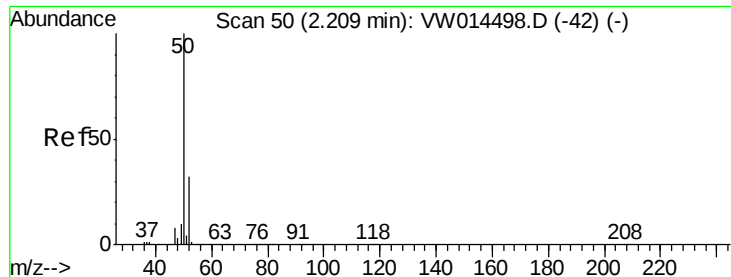
87 31.5 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 42.899 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW014623.D

Acq: 13 Jan 2020 15:09

Instrument :

MSVOA_W

ClientSampleId :

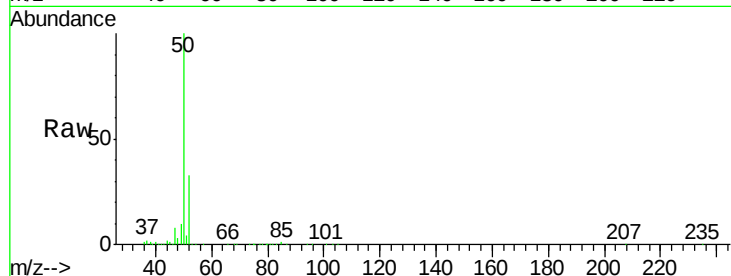
VSTDCCC050EC

Tgt Ion: 50 Resp: 214445

Ion Ratio Lower Upper

50 100

52 32.7 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW

2.21

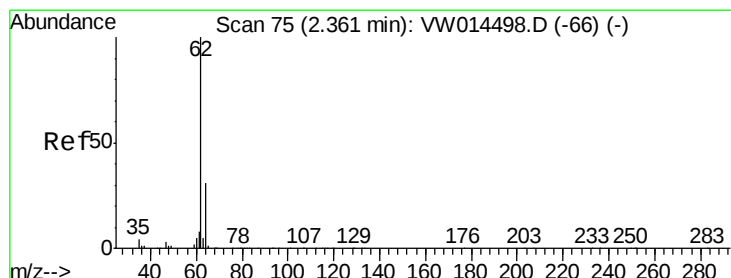
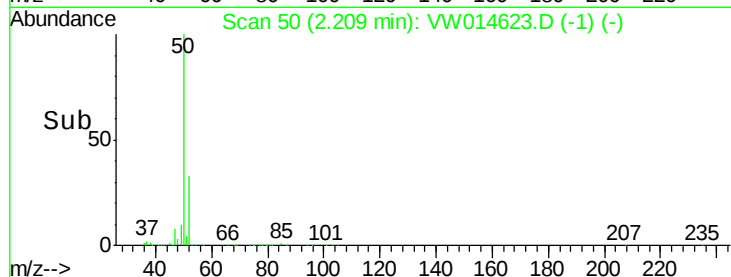
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 48.313 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW014623.D

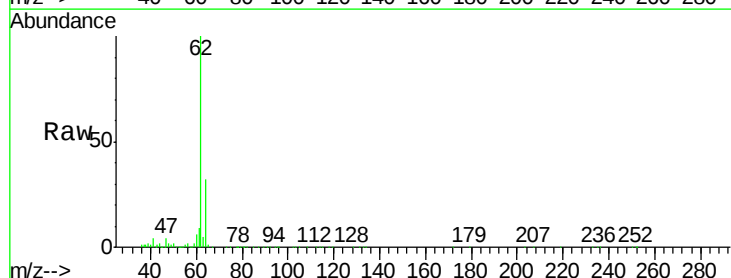
Acq: 13 Jan 2020 15:09

Tgt Ion: 62 Resp: 355218

Ion Ratio Lower Upper

62 100

64 31.9 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW

2.36

200000

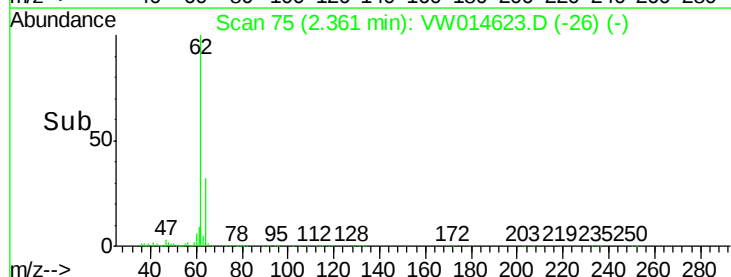
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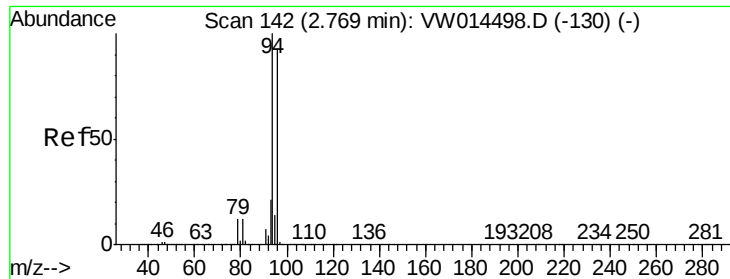
100000

50000

0

Time-->





#5

Bromomethane

Concen: 48.831 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW014623.D

Acq: 13 Jan 2020 15:09

Instrument :

MSVOA_W

ClientSampleId :

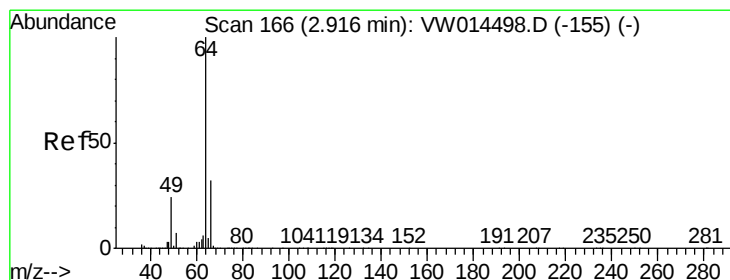
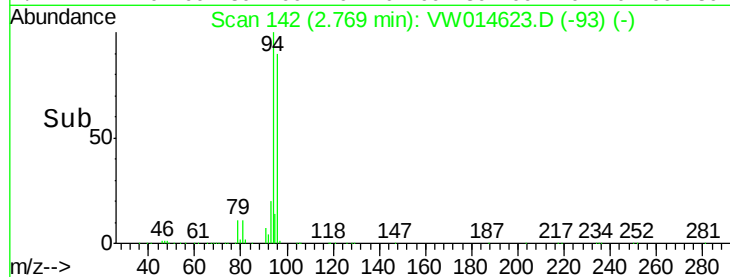
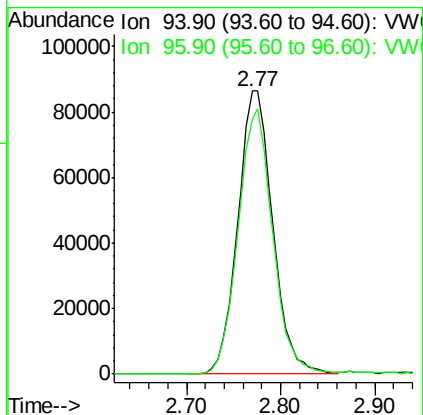
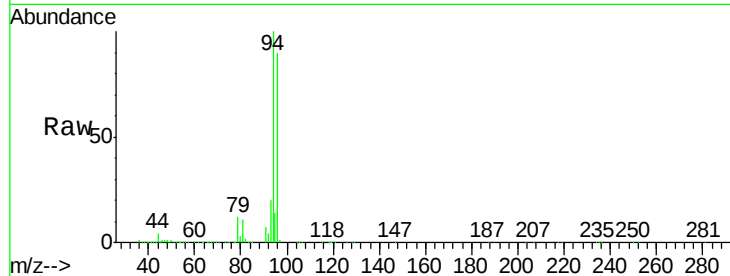
VSTDCCC050EC

Tgt Ion: 94 Resp: 221788

Ion Ratio Lower Upper

94 100

96 90.0 74.2 111.2



#6

Chloroethane

Concen: 49.332 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW014623.D

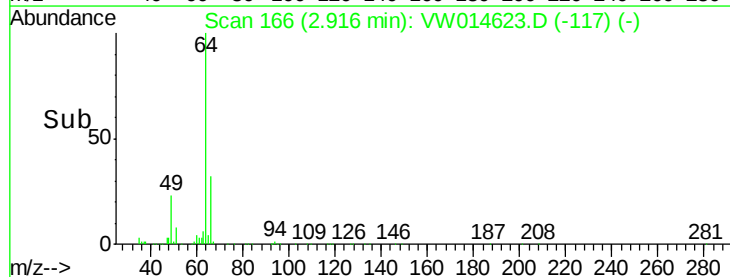
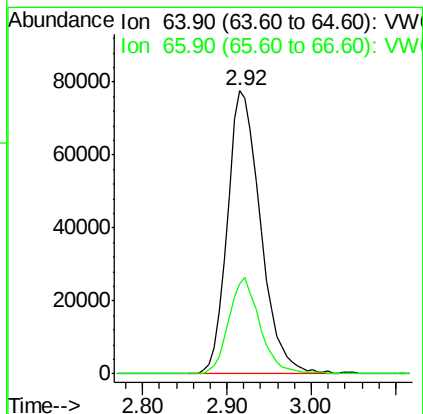
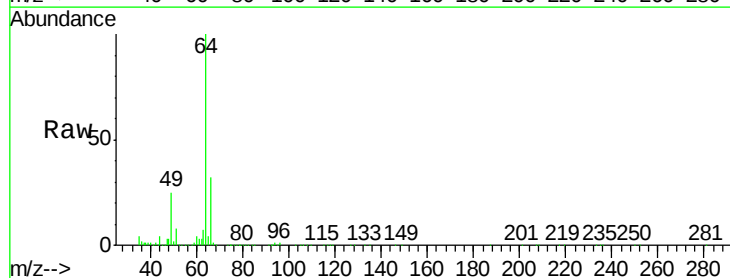
Acq: 13 Jan 2020 15:09

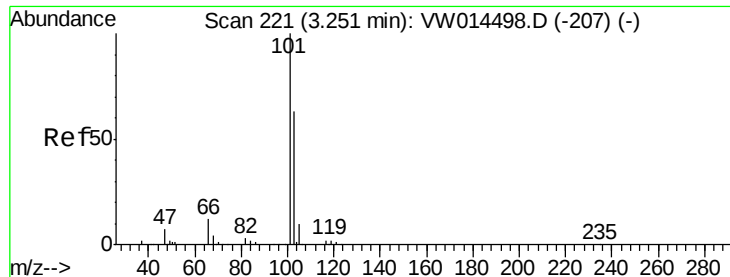
Tgt Ion: 64 Resp: 206759

Ion Ratio Lower Upper

64 100

66 31.7 25.7 38.5



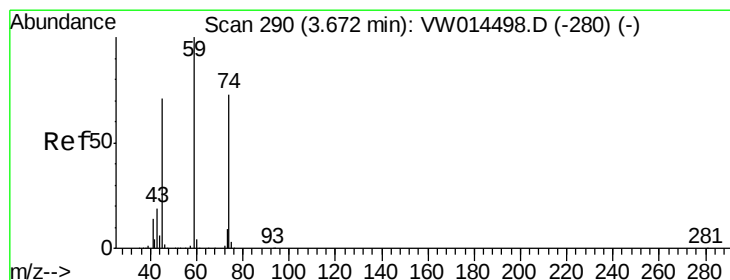
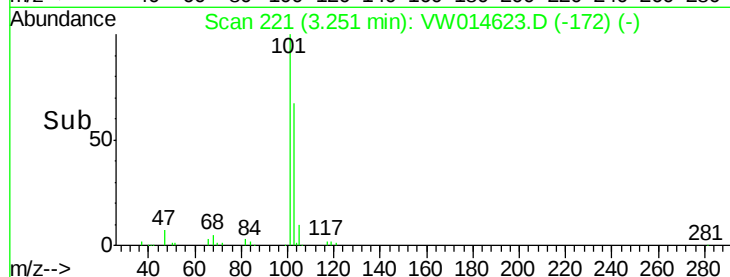
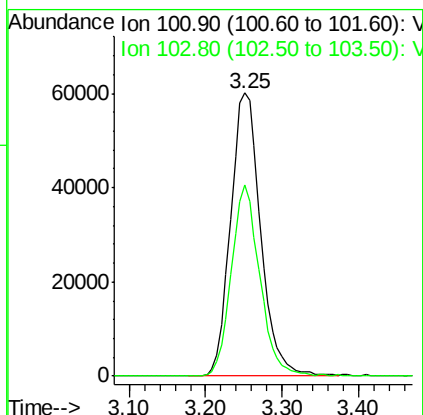
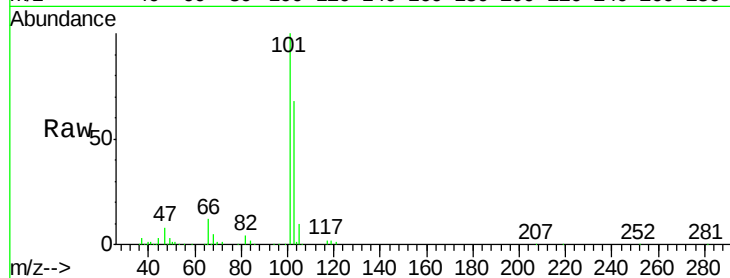


#7

Trichlorofluoromethane
 Concen: 44.525 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW014623.D
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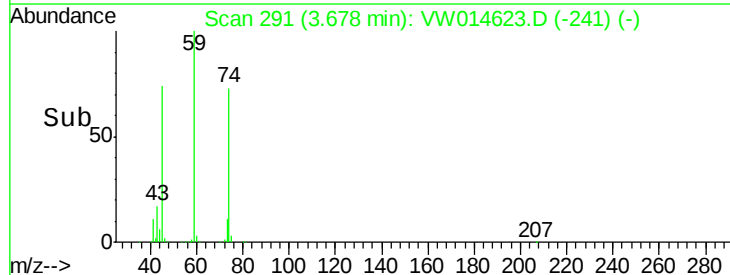
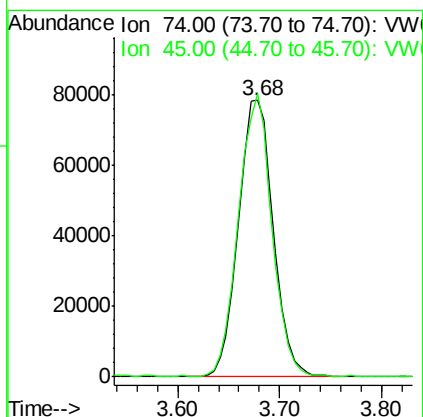
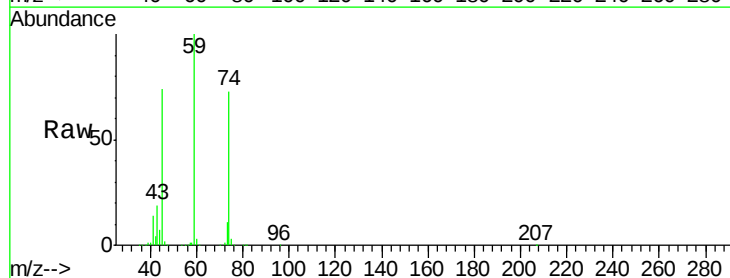
Tgt Ion:101 Resp: 163793
 Ion Ratio Lower Upper
 101 100
 103 67.6 50.1 75.1

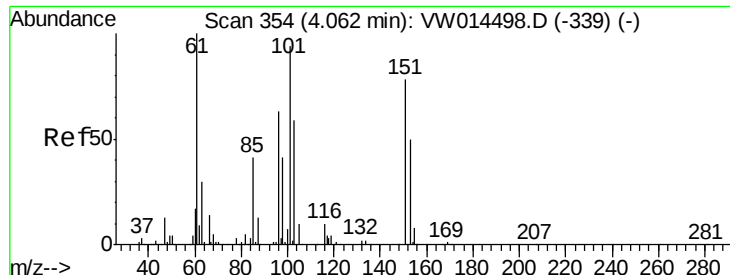


#8

Diethyl Ether
 Concen: 50.786 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.01 min
 Lab File: VW014623.D
 Acq: 13 Jan 2020 15:09

Tgt Ion: 74 Resp: 185887
 Ion Ratio Lower Upper
 74 100
 45 98.1 48.6 145.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.810 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW014623.D

Acq: 13 Jan 2020 15:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

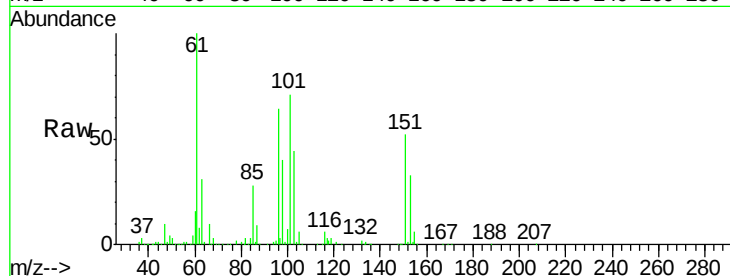
Tgt Ion:101 Resp: 356117

Ion Ratio Lower Upper

101 100

85 41.5 33.7 50.5

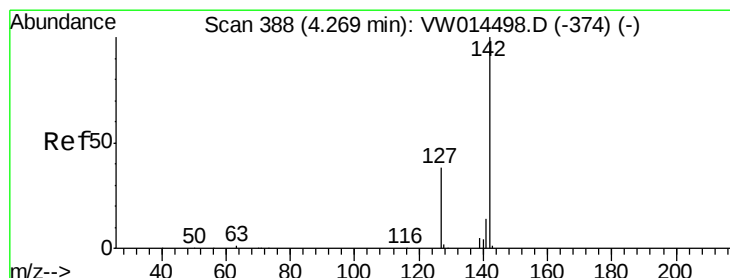
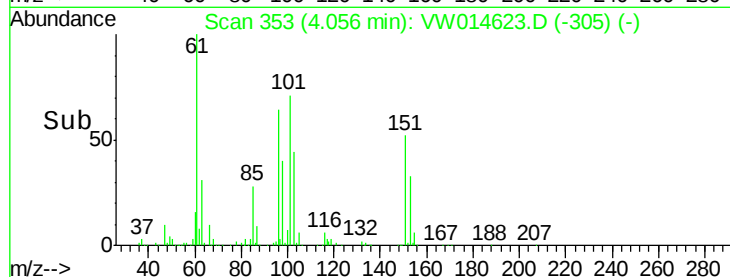
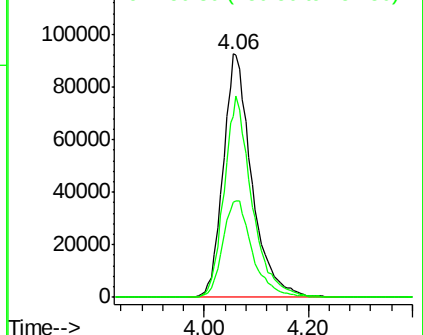
151 80.6 63.5 95.3



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: 50.209 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW014623.D

Acq: 13 Jan 2020 15:09

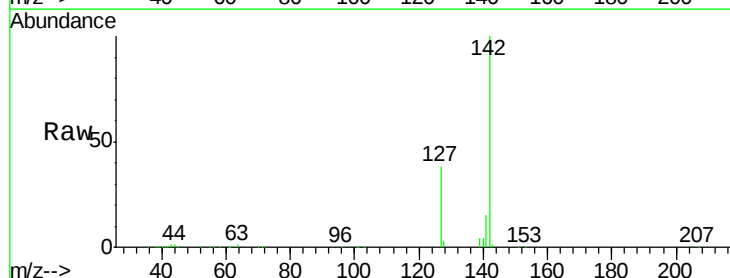
Tgt Ion:142 Resp: 520717

Ion Ratio Lower Upper

142 100

127 38.2 30.2 45.4

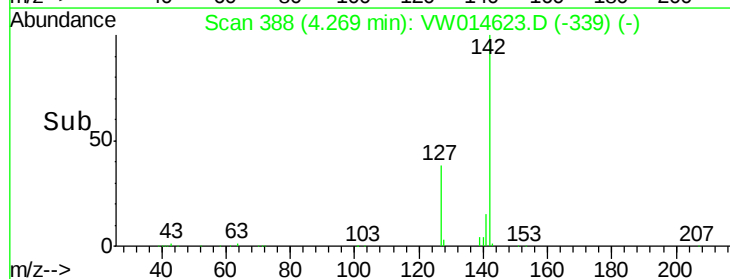
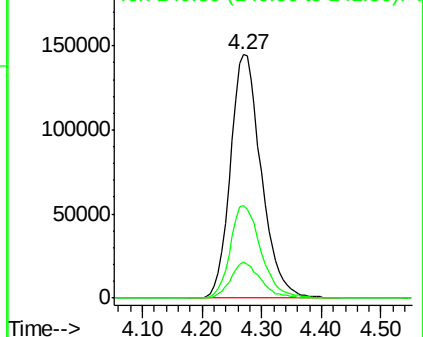
141 14.3 11.4 17.2

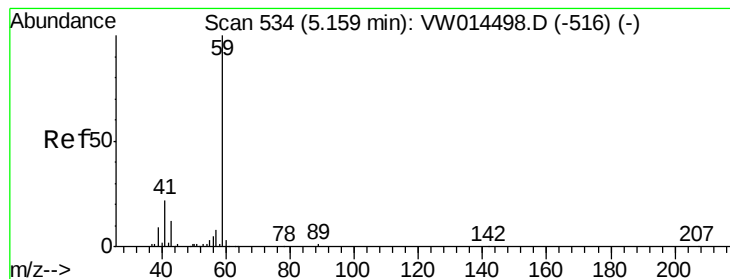


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 265.043 ug/l

RT: 5.16 min Scan# 534

Delta R.T. 0.00 min

Lab File: VW014623.D

Acq: 13 Jan 2020 15:09

Instrument :

MSVOA_W

ClientSampleId :

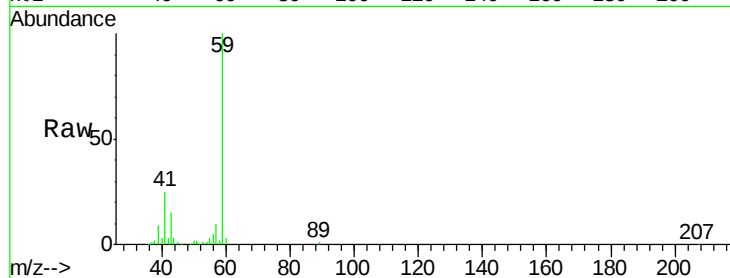
VSTDCCC050EC

Tgt Ion: 59 Resp: 128563

Ion Ratio Lower Upper

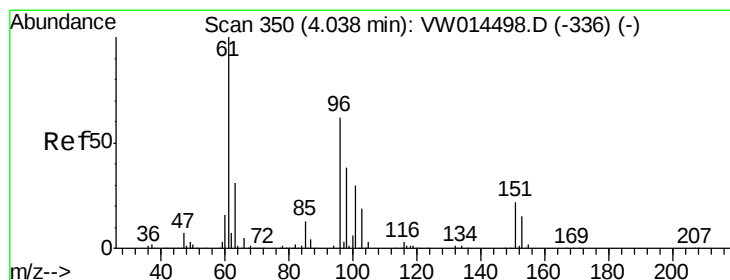
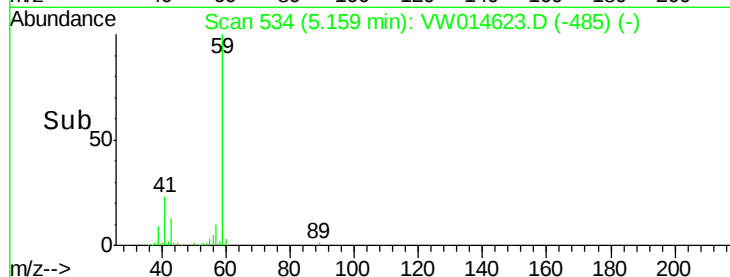
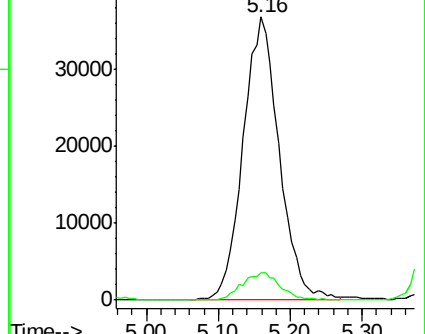
59 100

57 10.3 7.8 11.8



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW



#12

1,1-Dichloroethene

Concen: 51.342 ug/l

RT: 4.04 min Scan# 351

Delta R.T. 0.01 min

Lab File: VW014623.D

Acq: 13 Jan 2020 15:09

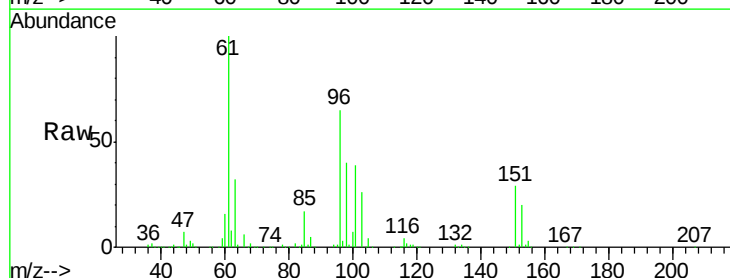
Tgt Ion: 96 Resp: 369562

Ion Ratio Lower Upper

96 100

61 154.9 128.4 192.6

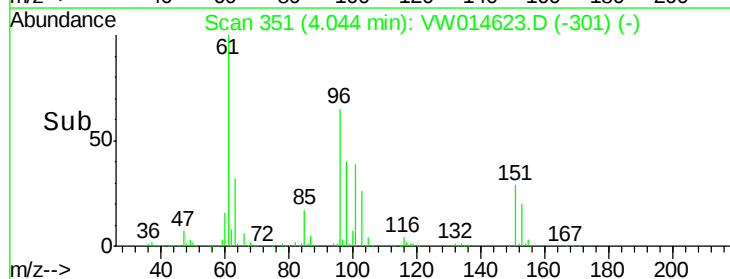
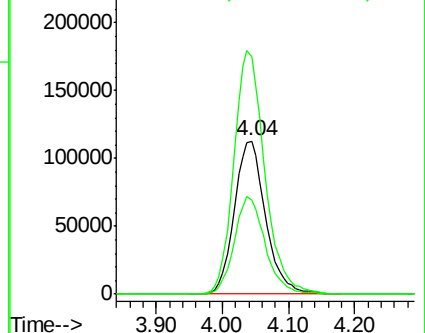
98 61.4 49.1 73.7

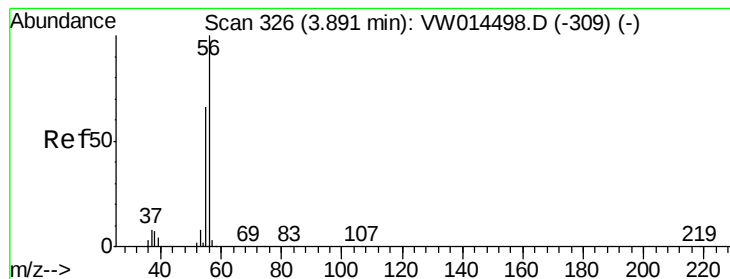


Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW





#13

Acrolein

Concen: 217.904 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW014623.D

Acq: 13 Jan 2020 15:09

Instrument :

MSVOA_W

ClientSampleId :

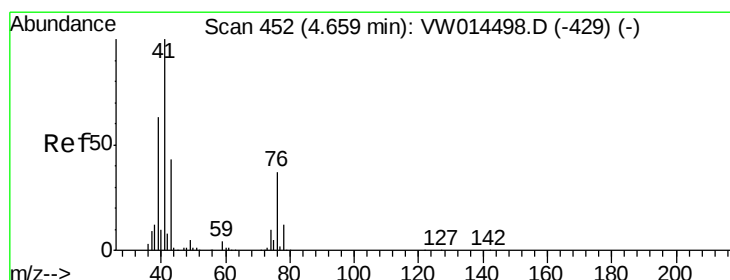
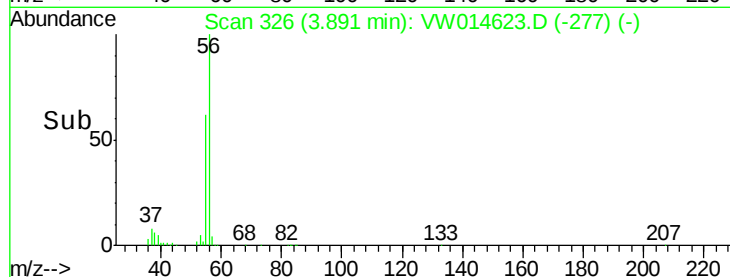
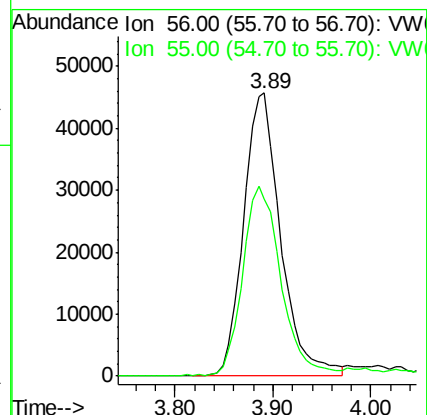
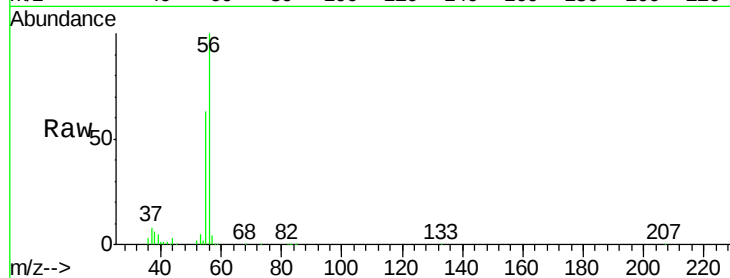
VSTDCCC050EC

Tgt Ion: 56 Resp: 120275

Ion Ratio Lower Upper

56 100

55 69.8 56.7 85.1



#14

Allyl chloride

Concen: 49.791 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW014623.D

Acq: 13 Jan 2020 15:09

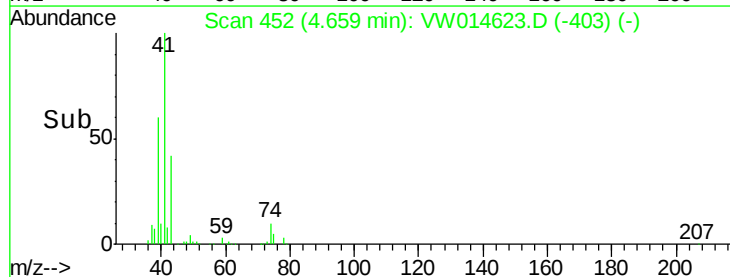
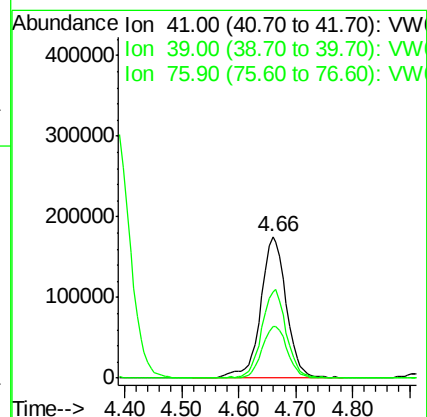
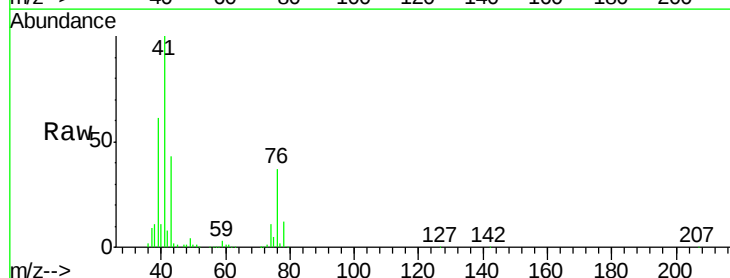
Tgt Ion: 41 Resp: 547691

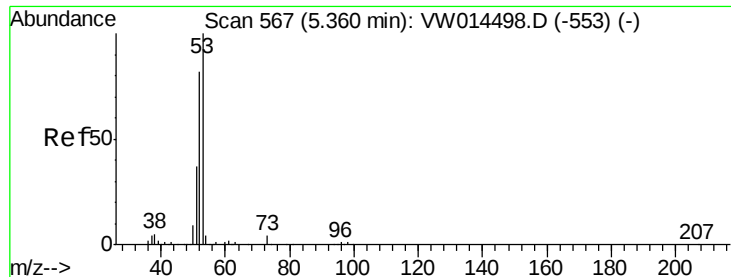
Ion Ratio Lower Upper

41 100

39 60.3 48.5 72.7

76 35.8 28.1 42.1





#15

Acrylonitrile

Concen: 268.991 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.00 min

Lab File: VW014623.D

Acq: 13 Jan 2020 15:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

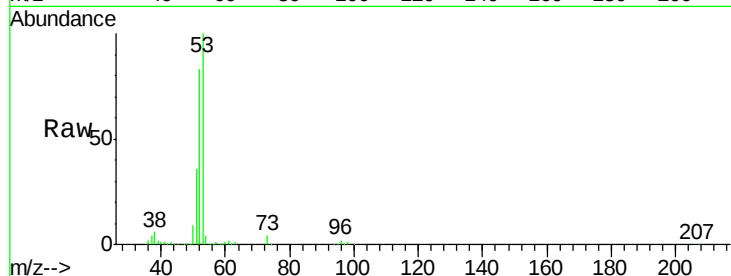
Tgt Ion: 53 Resp: 450038

Ion Ratio Lower Upper

53 100

52 81.8 66.5 99.7

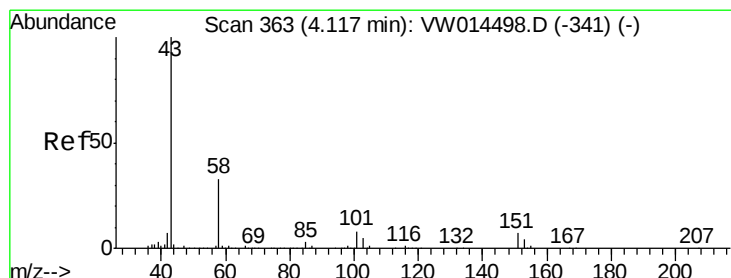
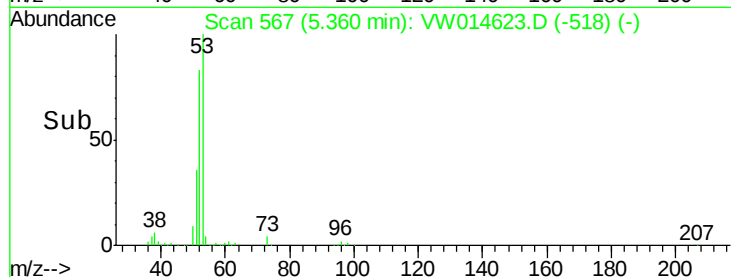
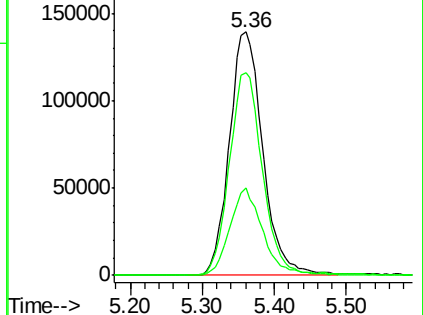
51 35.4 28.4 42.6



Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 266.704 ug/l

RT: 4.11 min Scan# 362

Delta R.T. -0.01 min

Lab File: VW014623.D

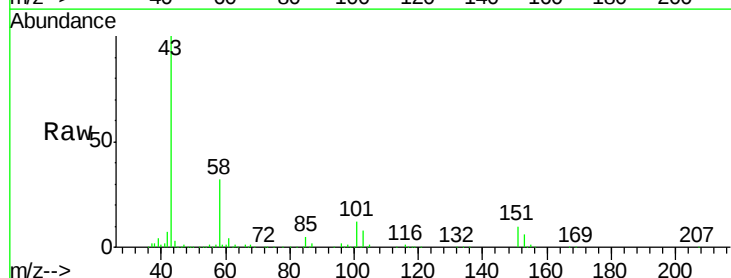
Acq: 13 Jan 2020 15:09

Tgt Ion: 43 Resp: 476250

Ion Ratio Lower Upper

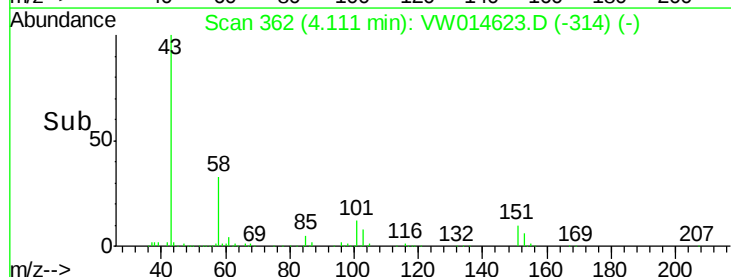
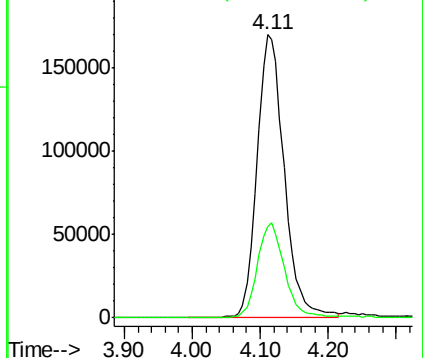
43 100

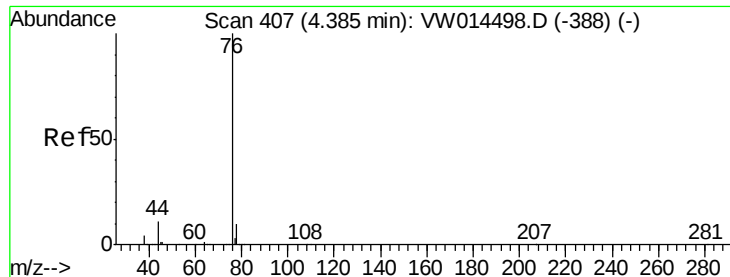
58 32.3 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 47.930 ug/l

RT: 4.39 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW014623.D

Acq: 13 Jan 2020 15:09

Instrument :

MSVOA_W

ClientSampleId :

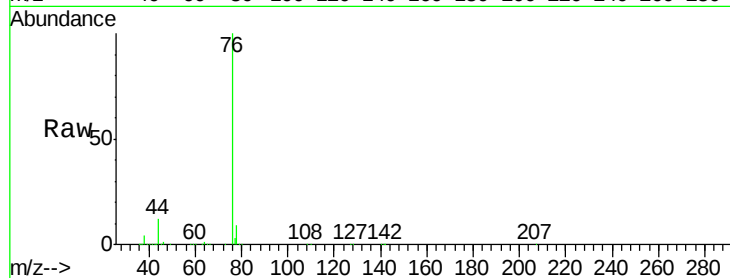
VSTDCCC050EC

Tgt Ion: 76 Resp: 1039824

Ion Ratio Lower Upper

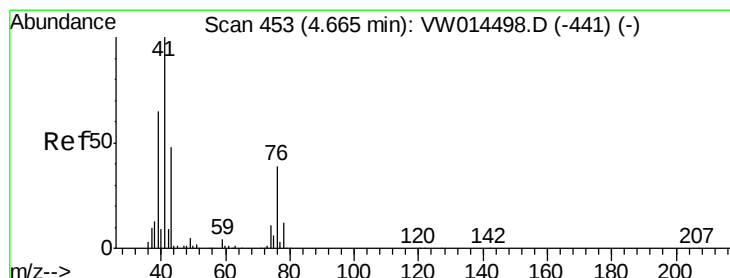
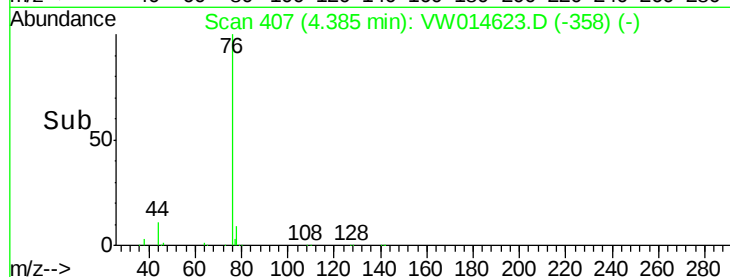
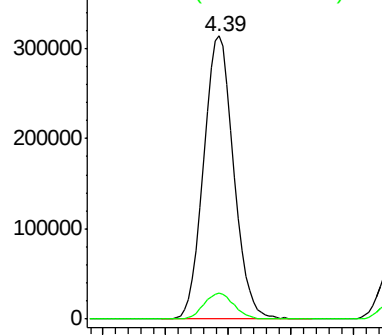
76 100

78 9.1 7.8 11.6



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 52.806 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW014623.D

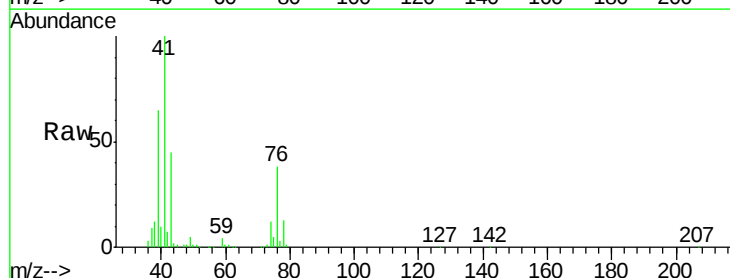
Acq: 13 Jan 2020 15:09

Tgt Ion: 43 Resp: 227733

Ion Ratio Lower Upper

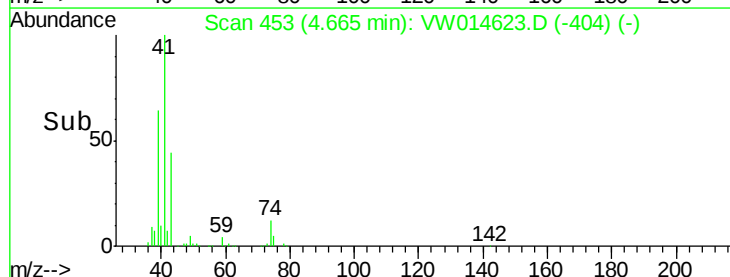
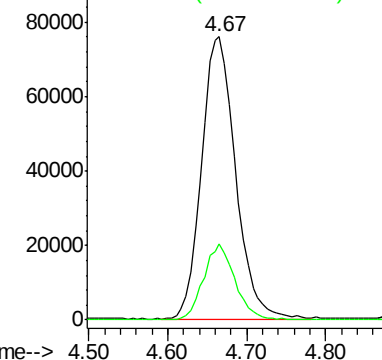
43 100

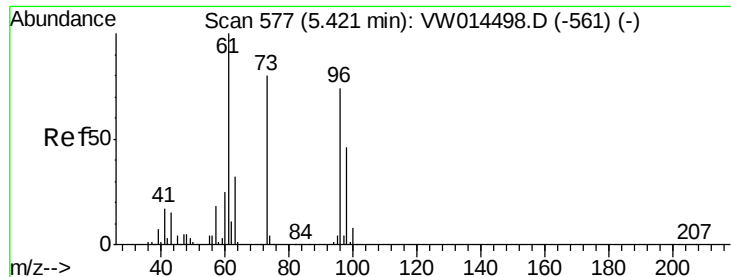
74 24.8 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

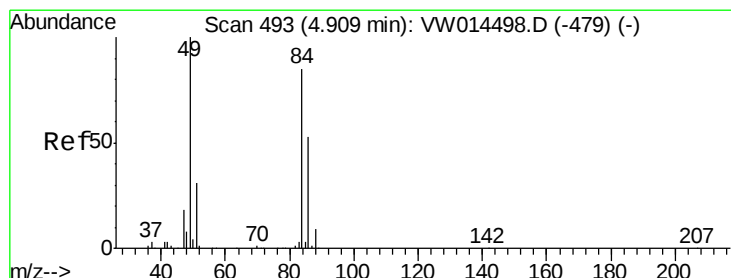
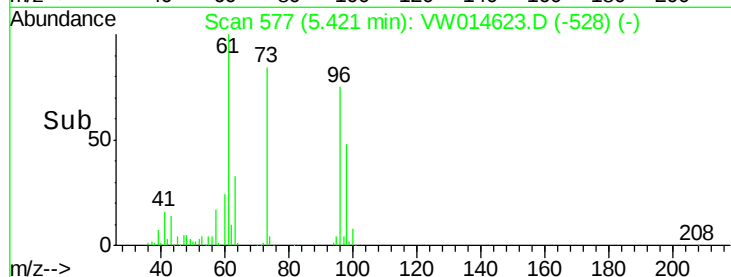
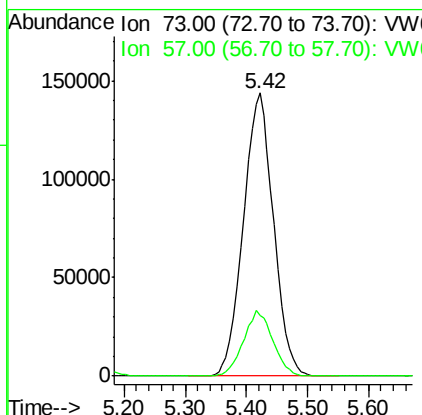
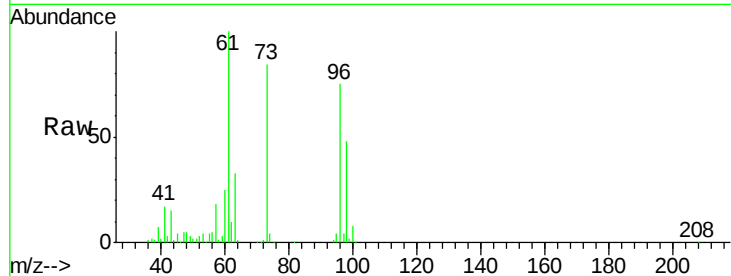




#19
Methyl tert-butyl Ether
Concen: 55.054 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW014623.D
Acq: 13 Jan 2020 15:09

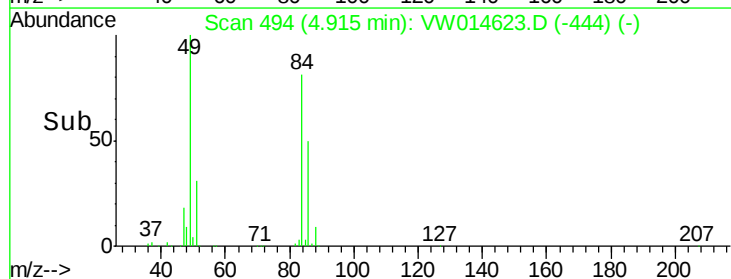
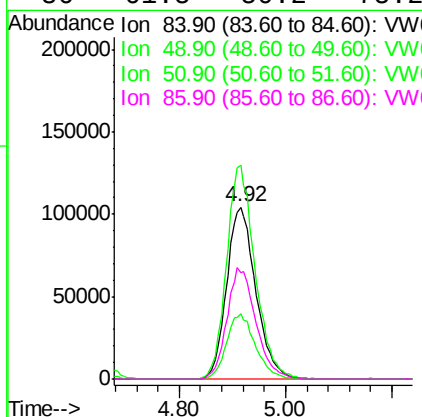
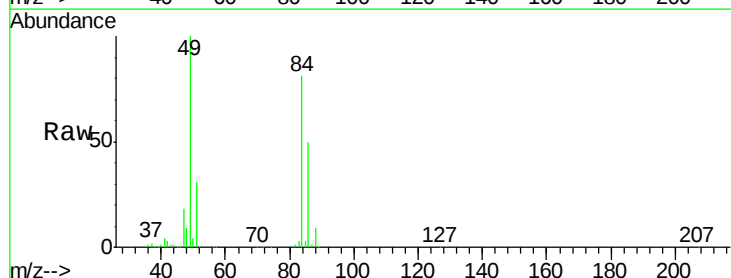
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

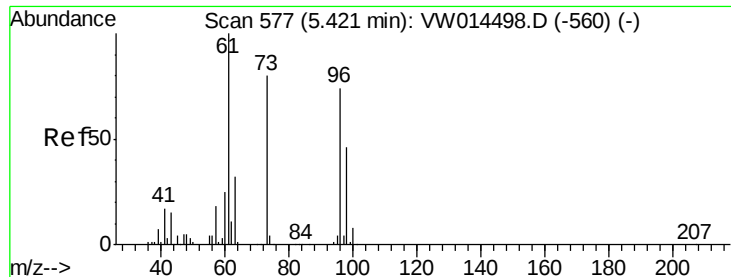
Tgt Ion: 73 Resp: 491911
Ion Ratio Lower Upper
73 100
57 21.4 18.1 27.1



#20
Methylene Chloride
Concen: 55.763 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW014623.D
Acq: 13 Jan 2020 15:09

Tgt Ion: 84 Resp: 398993
Ion Ratio Lower Upper
84 100
49 124.1 94.4 141.6
51 38.0 29.5 44.3
86 61.5 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 50.408 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW014623.D

Acq: 13 Jan 2020 15:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

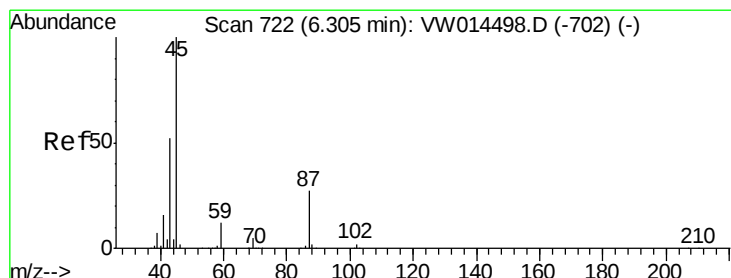
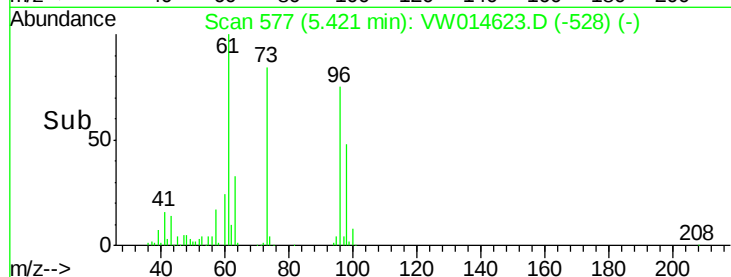
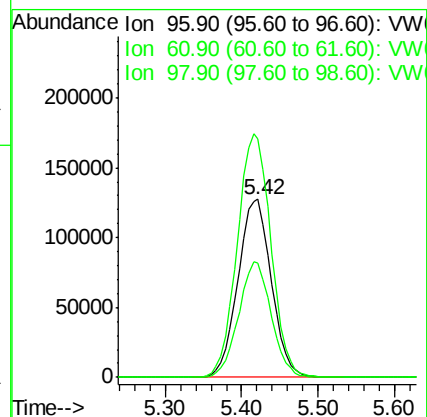
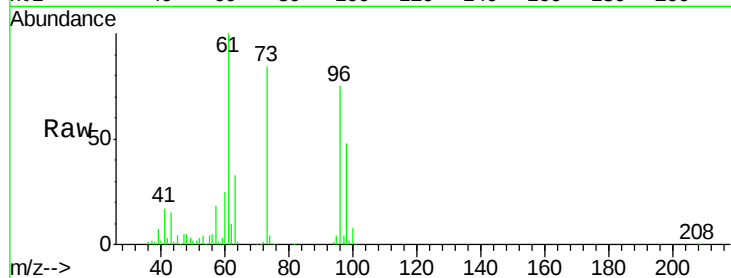
Tgt Ion: 96 Resp: 385271

Ion Ratio Lower Upper

96 100

61 133.8 107.8 161.6

98 64.1 49.4 74.0



#22

Diisopropyl ether

Concen: 52.081 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW014623.D

Acq: 13 Jan 2020 15:09

Tgt Ion: 45 Resp: 1072281

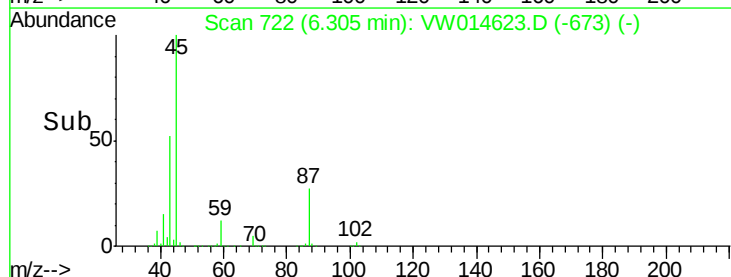
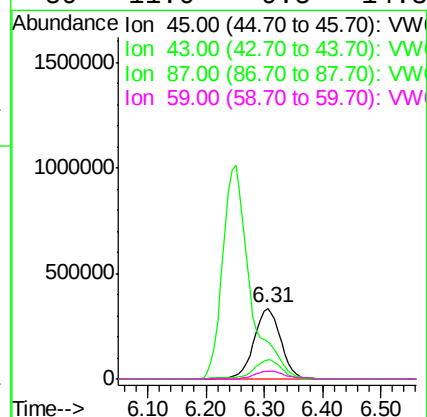
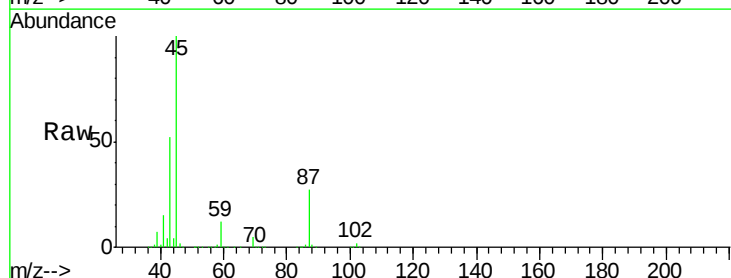
Ion Ratio Lower Upper

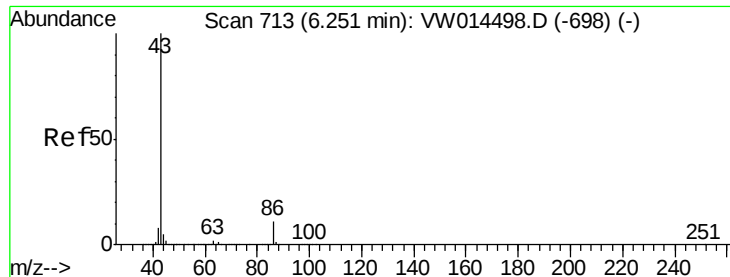
45 100

43 52.0 41.4 62.0

87 27.2 22.2 33.2

59 11.6 9.5 14.3





#23

Vinyl Acetate

Concen: 265.309 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW014623.D

Acq: 13 Jan 2020 15:09

Instrument :

MSVOA_W

ClientSampleId :

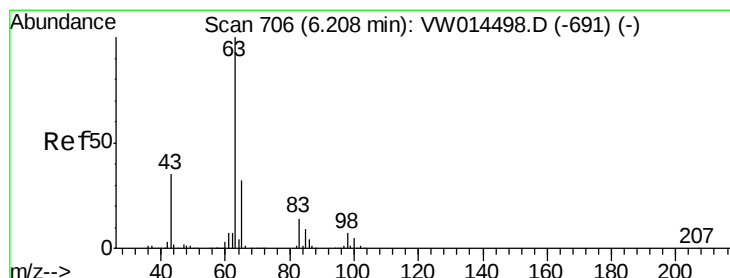
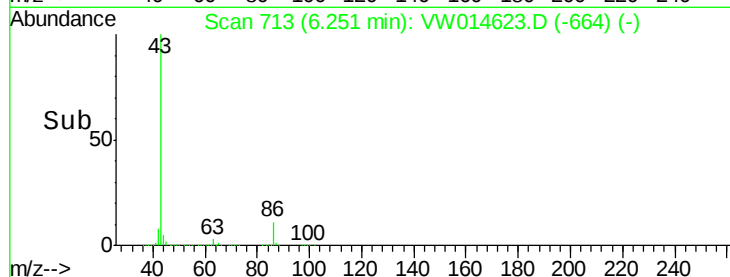
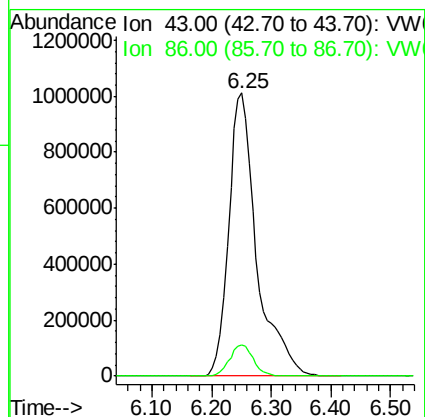
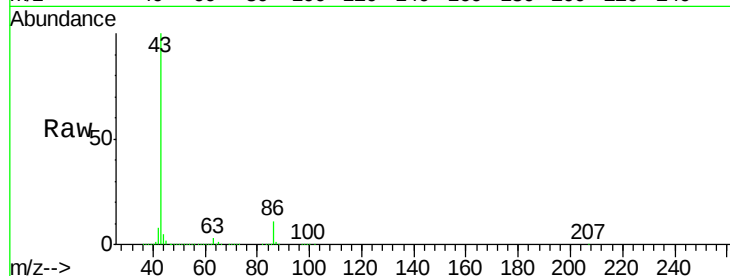
VSTDCCC050EC

Tgt Ion: 43 Resp: 3298478

Ion Ratio Lower Upper

43 100

86 11.1 8.8 13.2



#24

1,1-Dichloroethane

Concen: 51.288 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.00 min

Lab File: VW014623.D

Acq: 13 Jan 2020 15:09

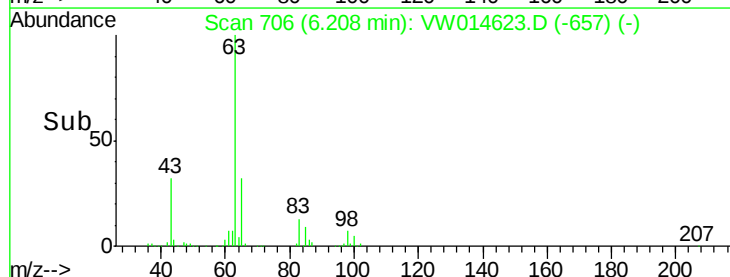
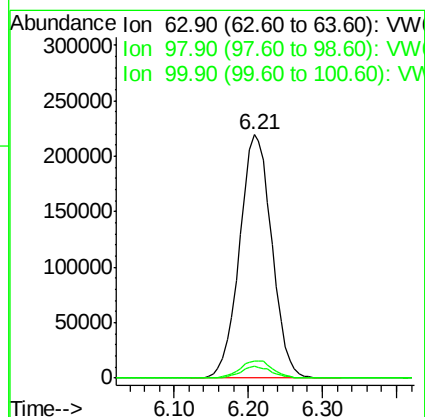
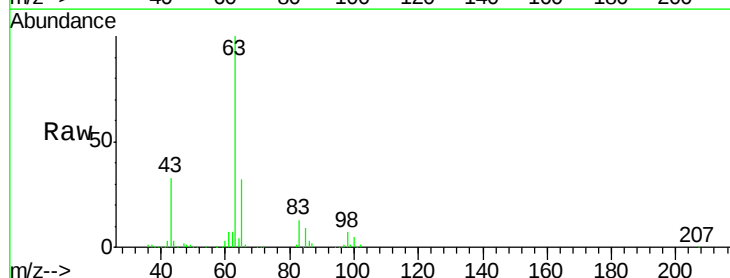
Tgt Ion: 63 Resp: 666074

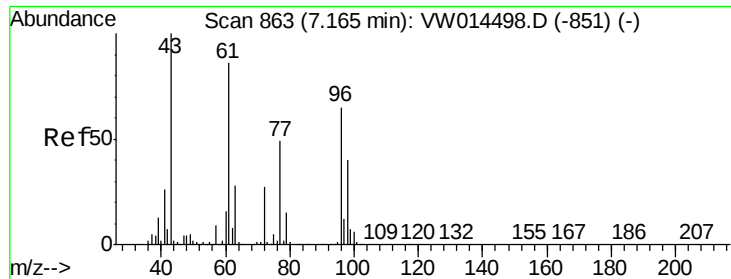
Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.4

100 4.7 2.5 7.4

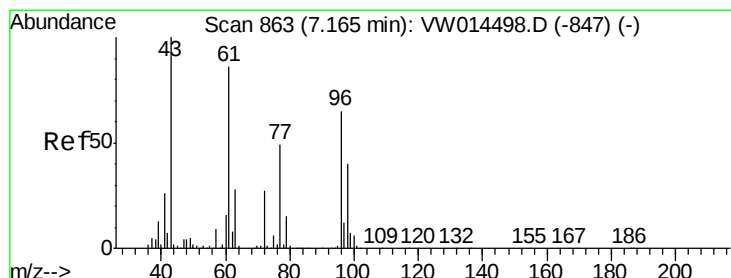
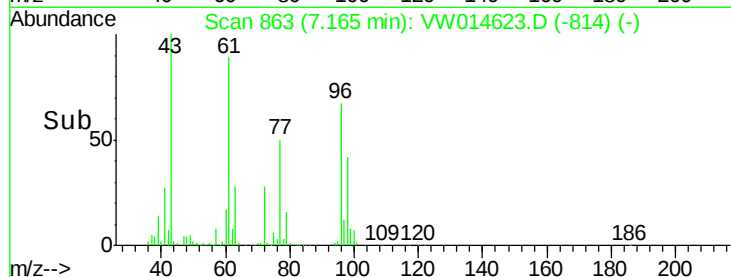
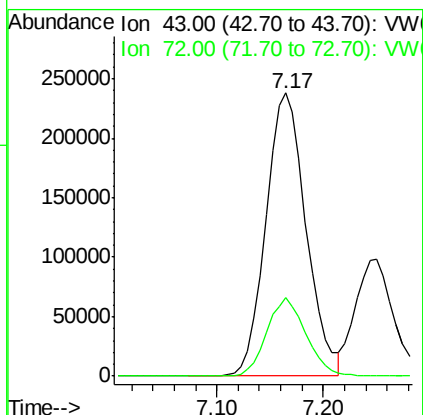
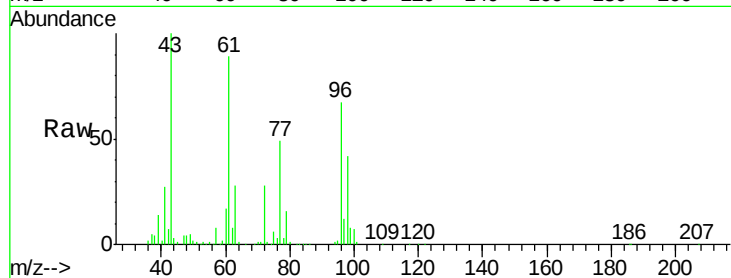




#25
 2-Butanone
 Concen: 271.514 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW014623.D
 Acq: 13 Jan 2020 15:09

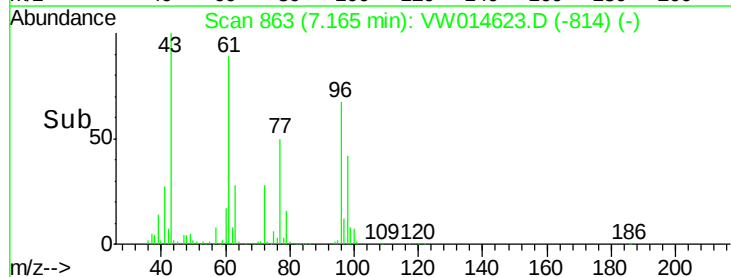
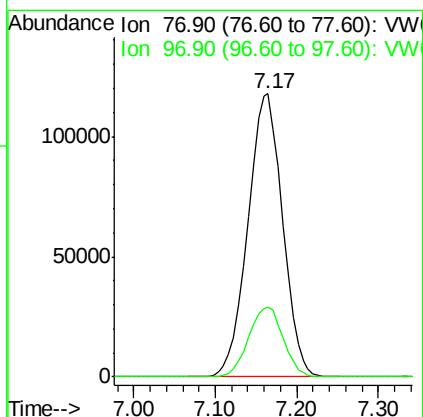
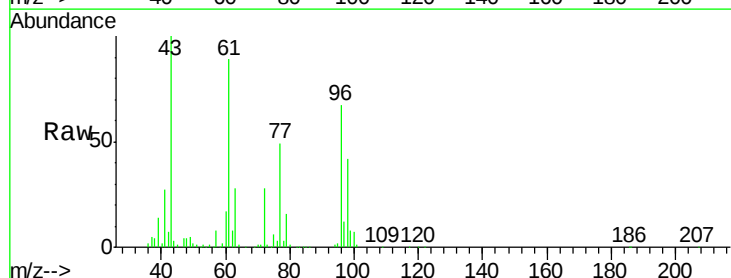
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050EC

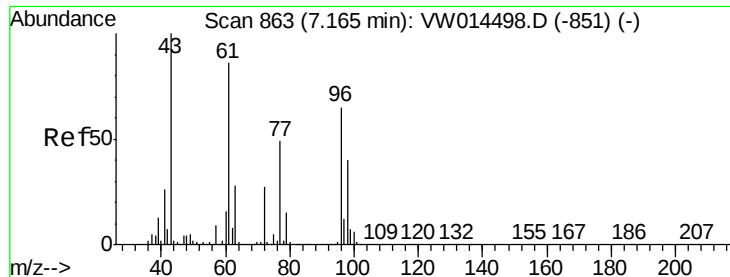
Tgt Ion: 43 Resp: 622208
 Ion Ratio Lower Upper
 43 100
 72 27.6 21.9 32.9



#26
 2,2-Dichloropropane
 Concen: 48.526 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW014623.D
 Acq: 13 Jan 2020 15:09

Tgt Ion: 77 Resp: 348912
 Ion Ratio Lower Upper
 77 100
 97 24.4 12.5 37.5



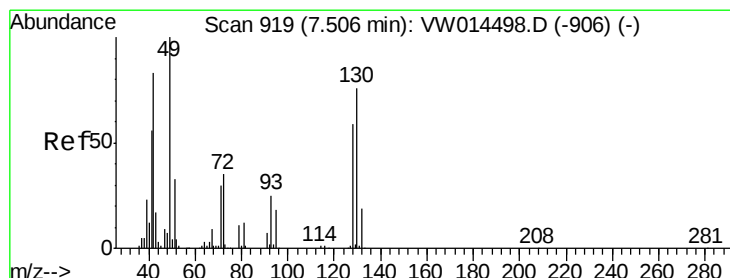
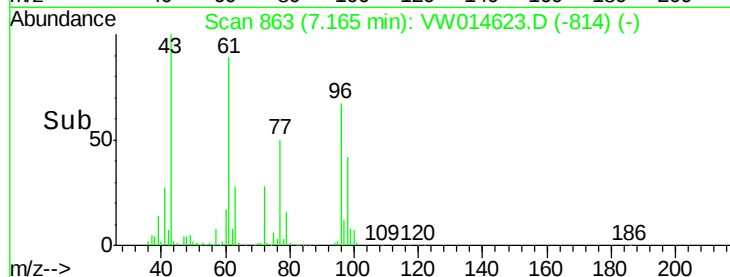
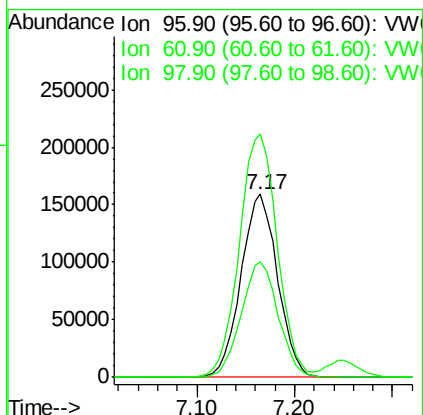
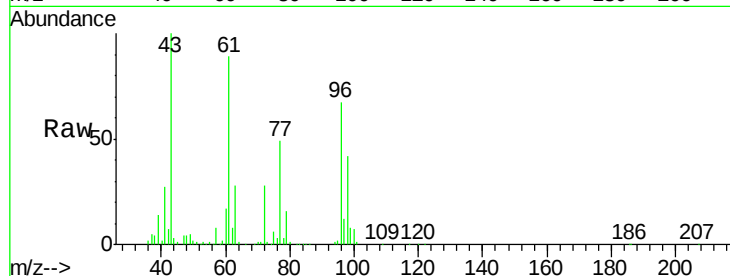


#27

cis-1,2-Dichloroethene
Concen: 51.473 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW014623.D
Acq: 13 Jan 2020 15:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

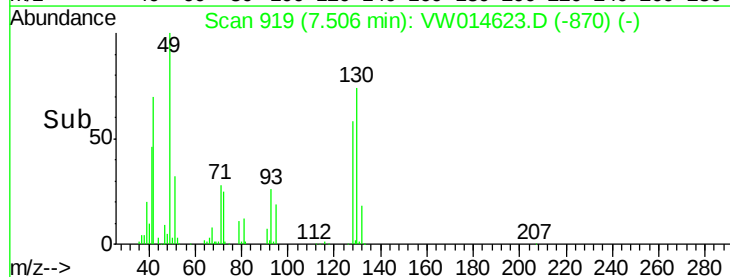
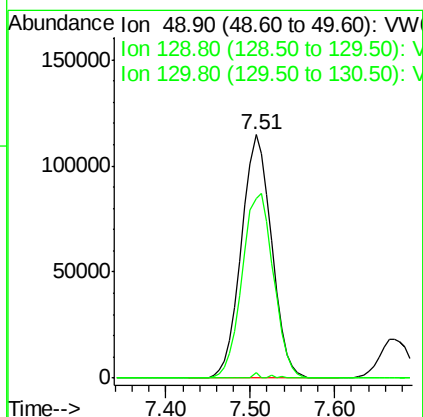
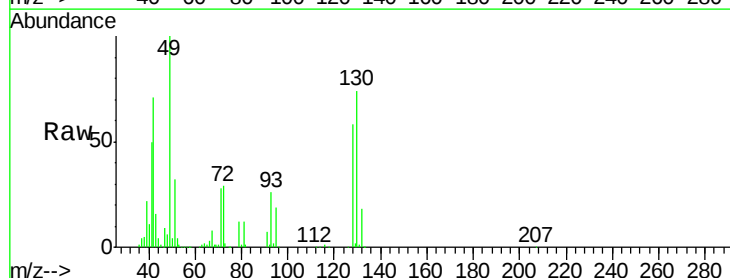
Tgt Ion: 96 Resp: 413379
Ion Ratio Lower Upper
96 100
61 137.8 0.0 274.8
98 63.6 0.0 128.6

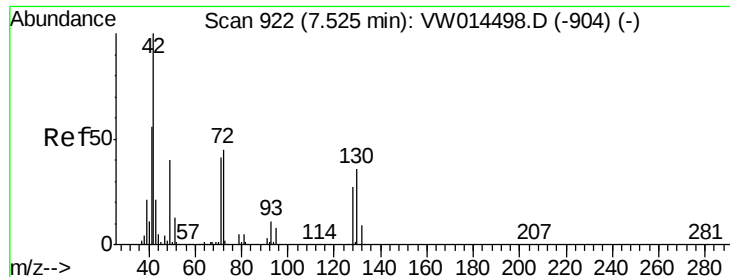


#28

Bromochloromethane
Concen: 54.604 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW014623.D
Acq: 13 Jan 2020 15:09

Tgt Ion: 49 Resp: 278020
Ion Ratio Lower Upper
49 100
129 0.3 0.0 2.0
130 78.9 62.5 93.7





#29

Tetrahydrofuran

Concen: 266.141 ug/l

RT: 7.52 min Scan# 922

Delta R.T. -0.00 min

Lab File: VW014623.D

Acq: 13 Jan 2020 15:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

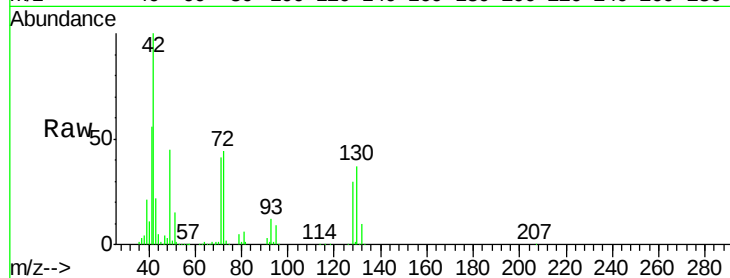
Tgt Ion: 42 Resp: 377834

Ion Ratio Lower Upper

42 100

72 43.5 34.5 51.7

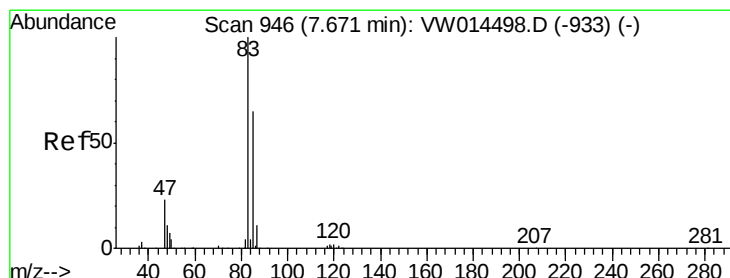
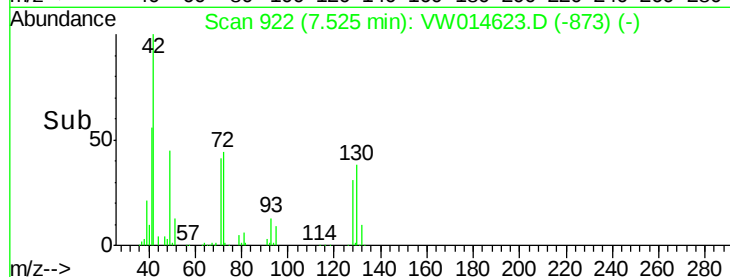
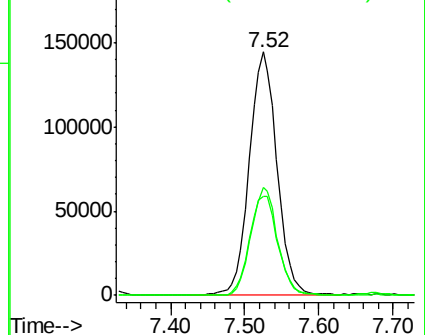
71 41.2 32.0 48.0



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: 51.670 ug/l

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW014623.D

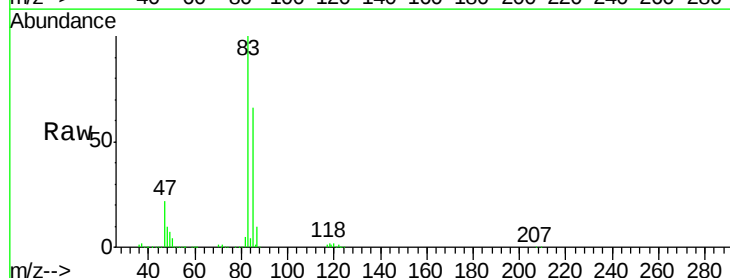
Acq: 13 Jan 2020 15:09

Tgt Ion: 83 Resp: 627514

Ion Ratio Lower Upper

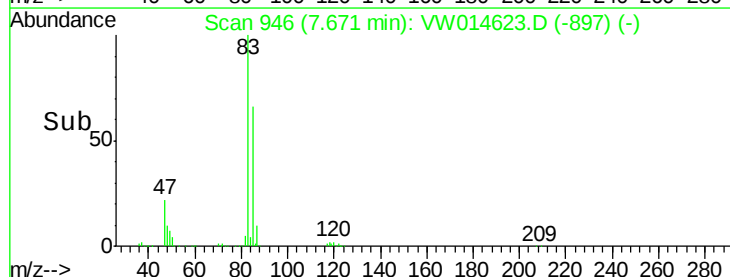
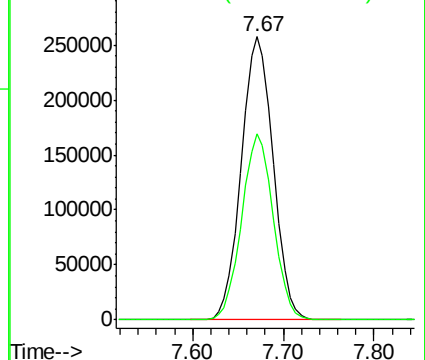
83 100

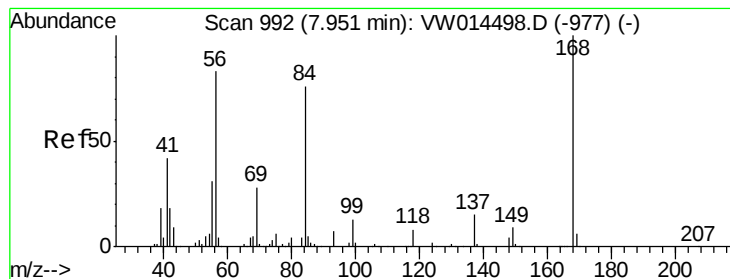
85 65.6 52.2 78.2



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW





#31

Cyclohexane

Concen: 48.051 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW014623.D

Acq: 13 Jan 2020 15:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

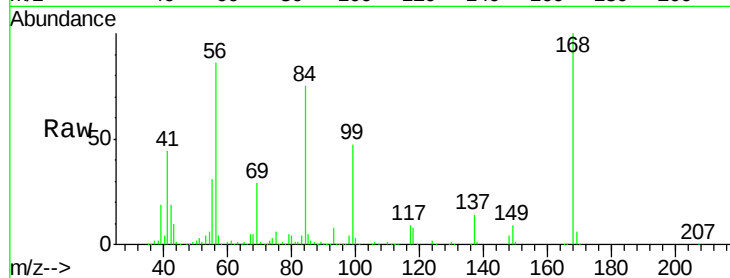
Tgt Ion: 56 Resp: 648526

Ion Ratio Lower Upper

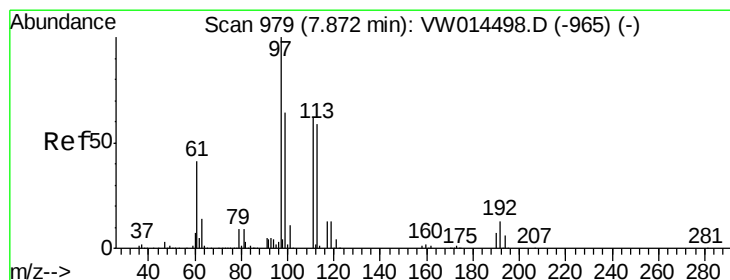
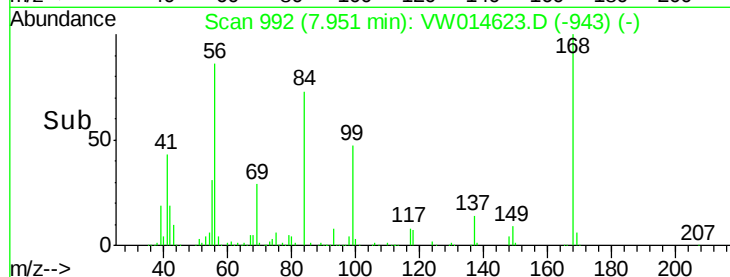
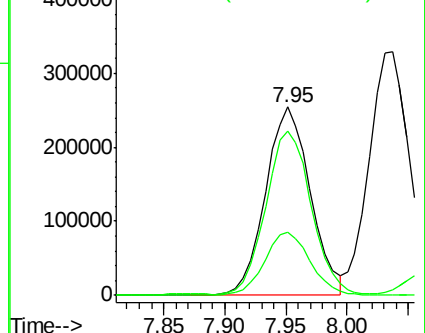
56 100

69 33.9 26.8 40.2

84 86.4 71.8 107.6



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



#32

1,1,1-Trichloroethane

Concen: 51.667 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW014623.D

Acq: 13 Jan 2020 15:09

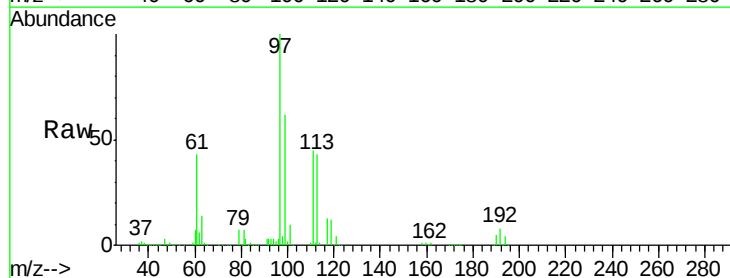
Tgt Ion: 97 Resp: 504652

Ion Ratio Lower Upper

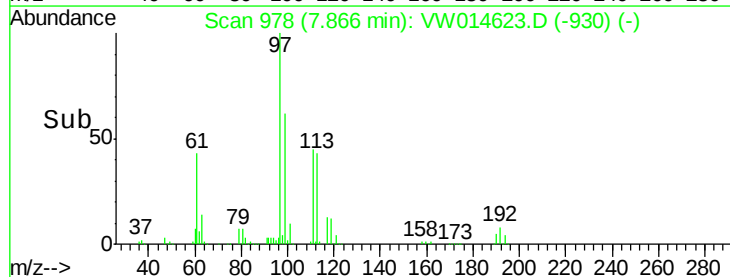
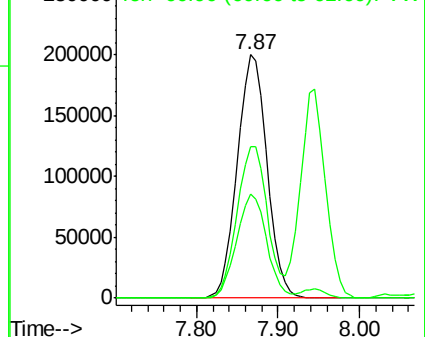
97 100

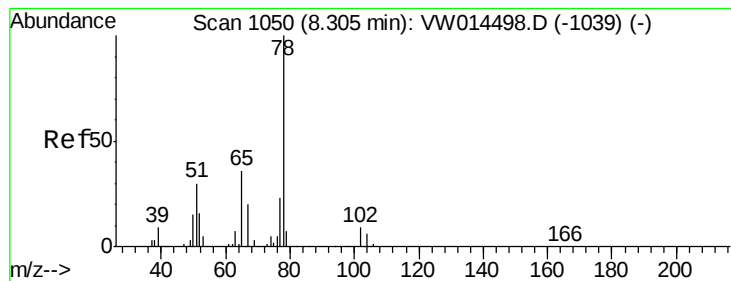
99 64.3 51.8 77.6

61 43.3 33.8 50.8



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: 49.892 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW014623.D

Acq: 13 Jan 2020 15:09

Instrument :

MSVOA_W

ClientSampleId :

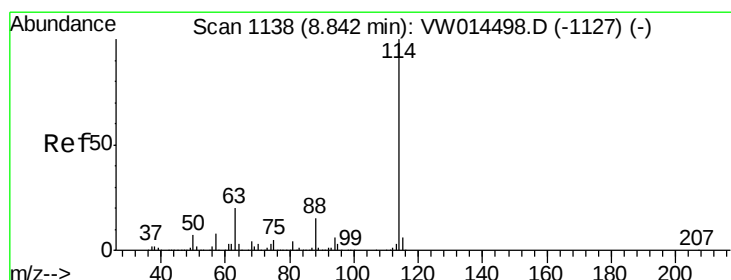
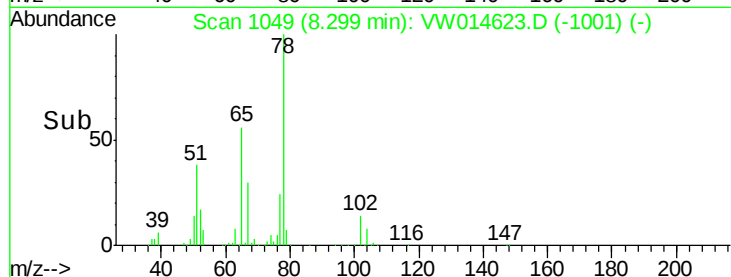
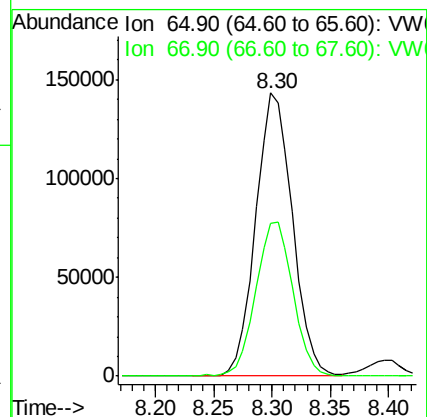
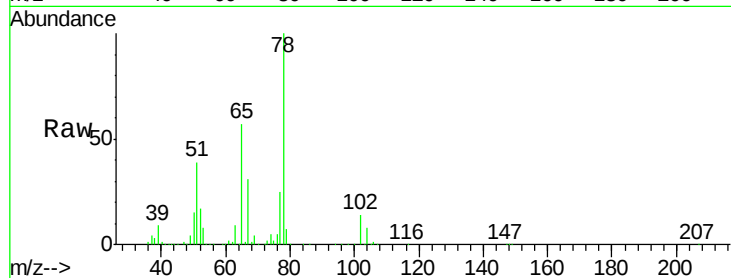
VSTDCCC050EC

Tgt Ion: 65 Resp: 315519

Ion Ratio Lower Upper

65 100

67 55.1 0.0 108.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW014623.D

Acq: 13 Jan 2020 15:09

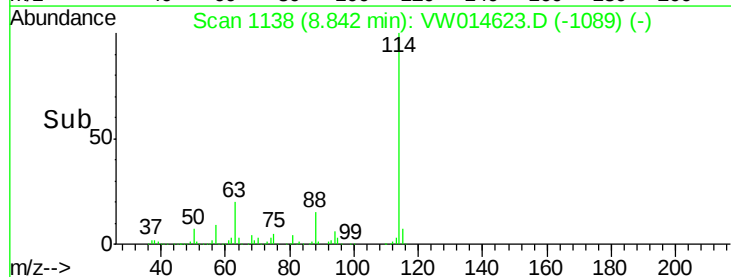
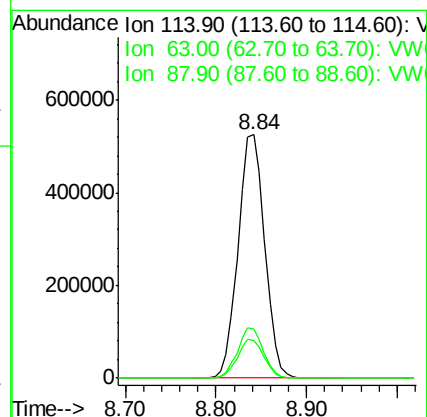
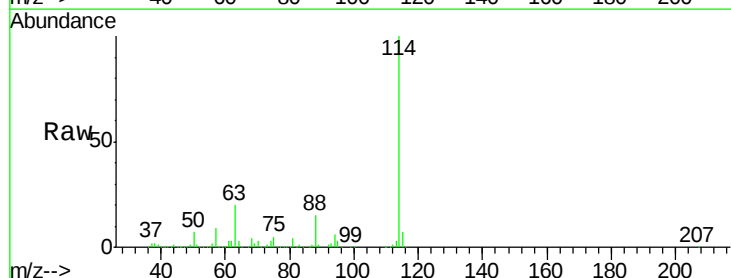
Tgt Ion: 114 Resp: 1068815

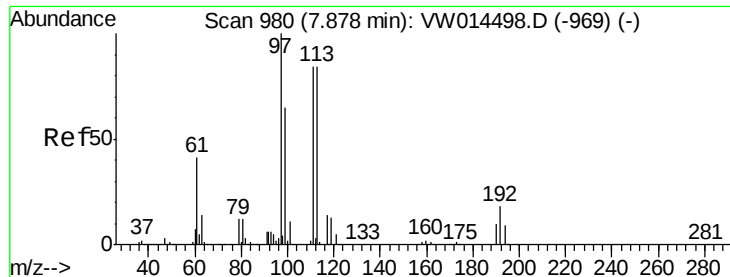
Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.4

88 15.5 0.0 30.6

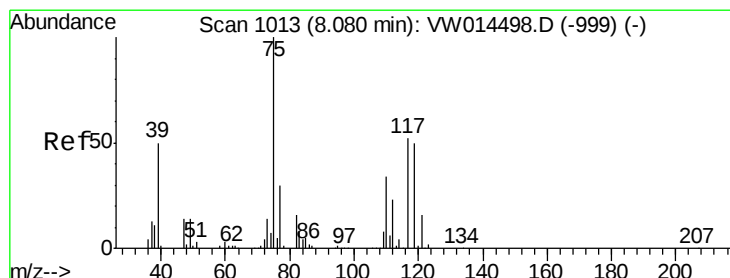
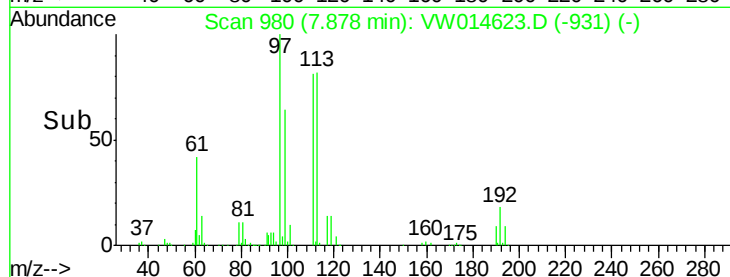
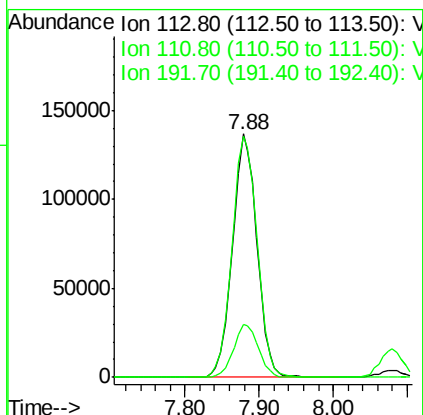
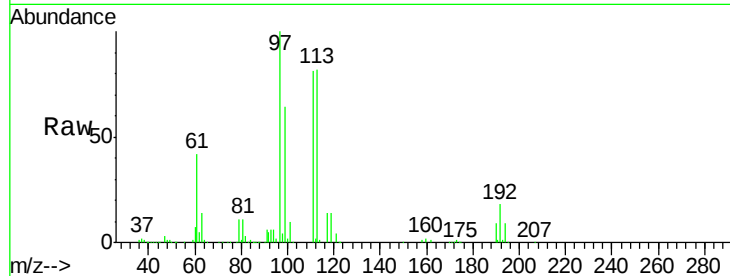




#35
 Dibromofluoromethane
 Concen: 51.513 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW014623.D
 Acq: 13 Jan 2020 15:09

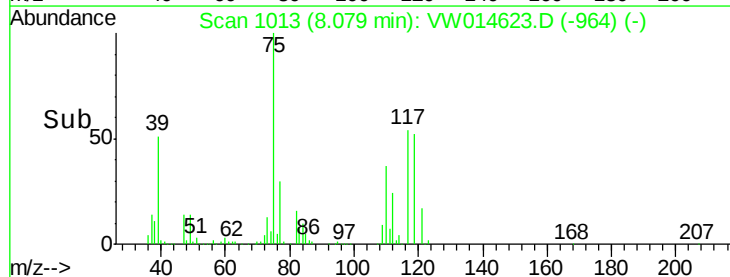
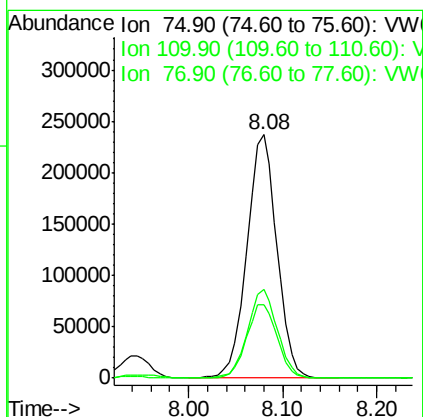
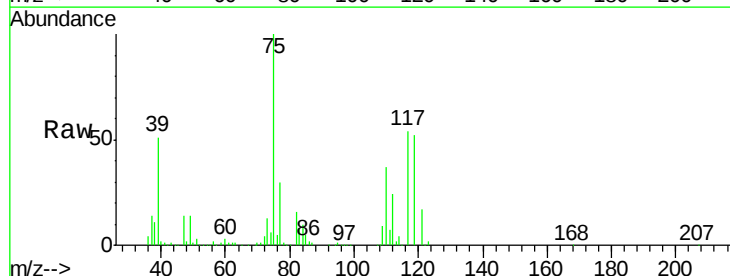
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

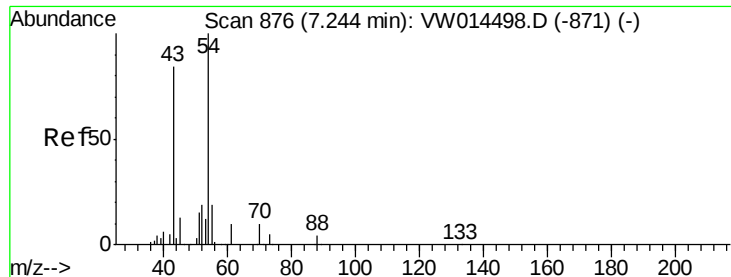
Tgt Ion:113 Resp: 314666
 Ion Ratio Lower Upper
 113 100
 111 102.0 81.4 122.2
 192 22.1 17.8 26.8



#36
 1,1-Dichloropropene
 Concen: 51.326 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW014623.D
 Acq: 13 Jan 2020 15:09

Tgt Ion: 75 Resp: 528861
 Ion Ratio Lower Upper
 75 100
 110 36.0 17.8 53.5
 77 31.1 24.7 37.1

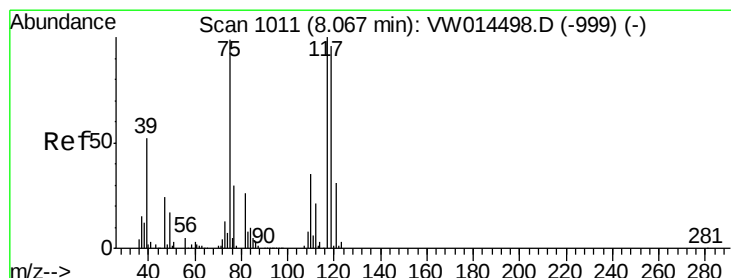
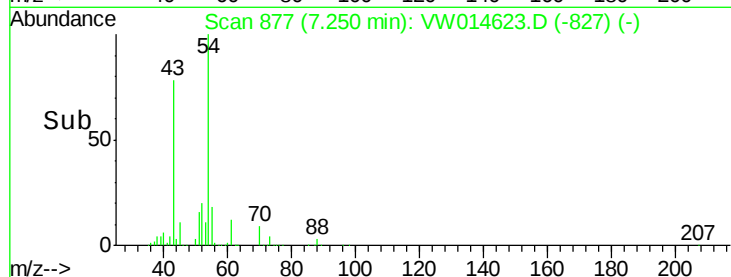
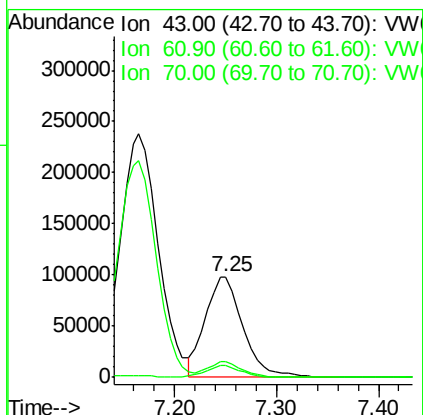
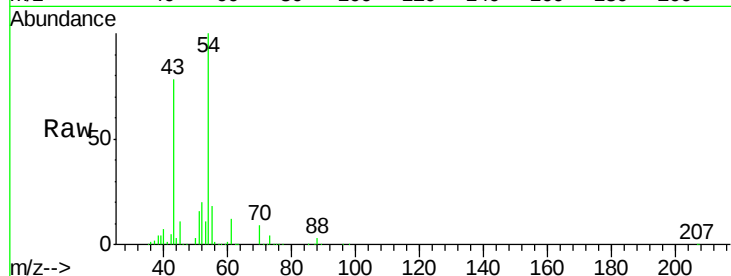




#37
Ethyl Acetate
Concen: 53.192 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.01 min
Lab File: VW014623.D
Acq: 13 Jan 2020 15:09

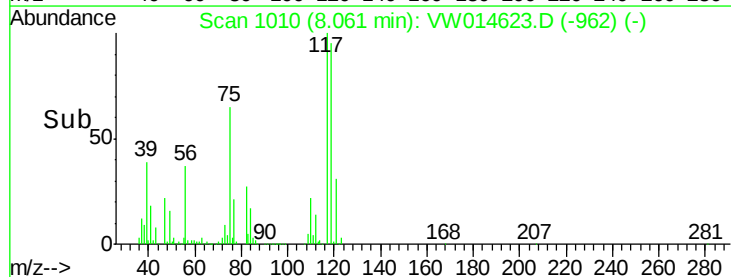
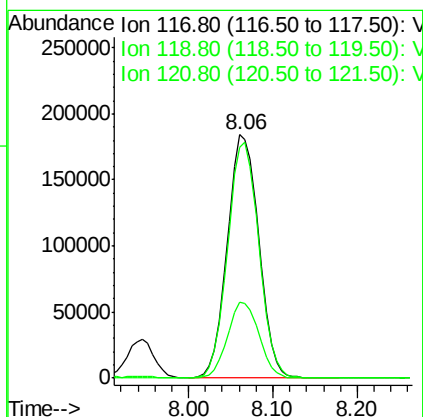
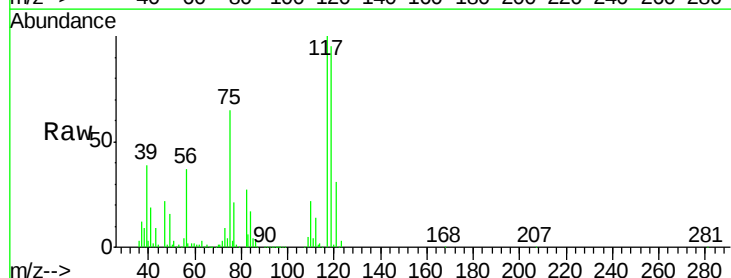
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

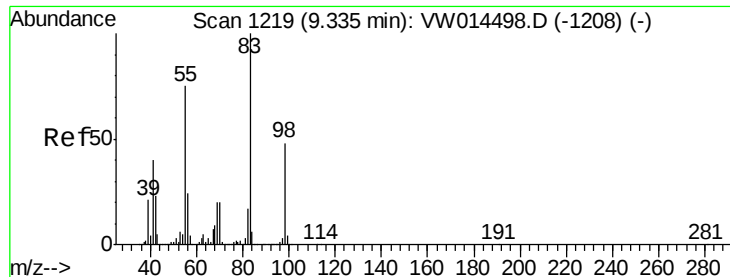
Tgt Ion: 43 Resp: 248574
Ion Ratio Lower Upper
43 100
61 13.8 11.7 17.5
70 11.1 9.0 13.6



#38
Carbon Tetrachloride
Concen: 52.285 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW014623.D
Acq: 13 Jan 2020 15:09

Tgt Ion: 117 Resp: 467391
Ion Ratio Lower Upper
117 100
119 94.5 77.0 115.6
121 31.1 24.6 36.8

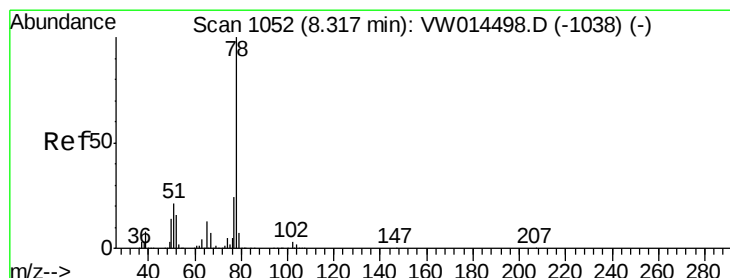
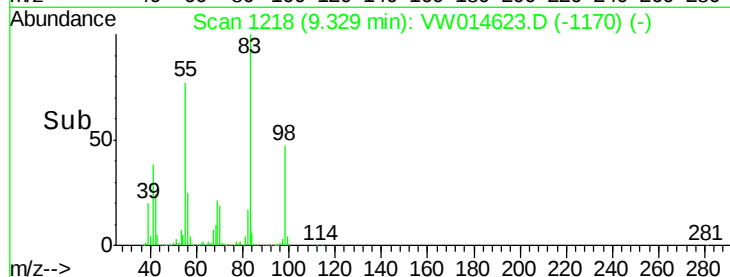
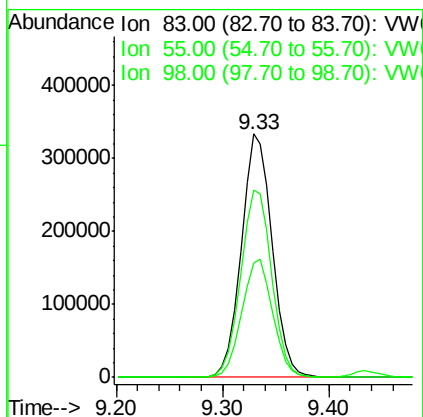
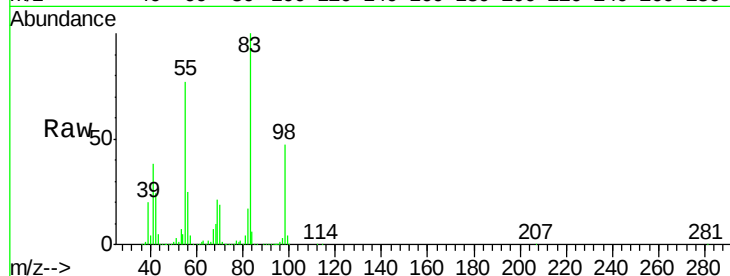




#39
Methylcyclohexane
Concen: 51.327 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW014623.D
Acq: 13 Jan 2020 15:09

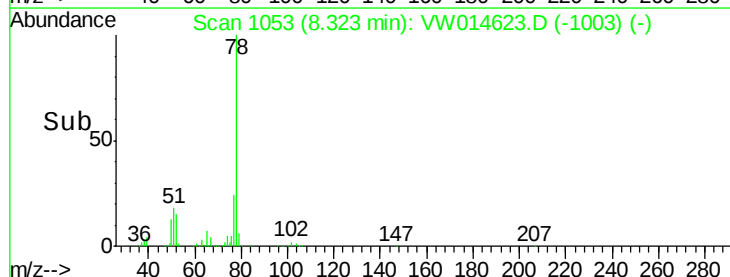
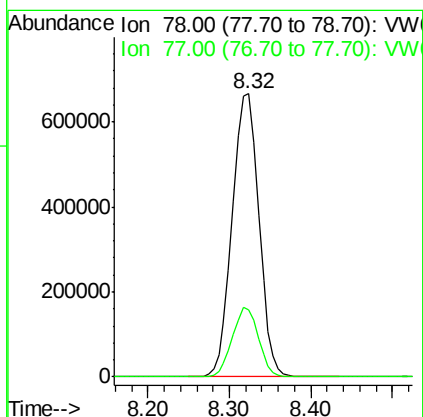
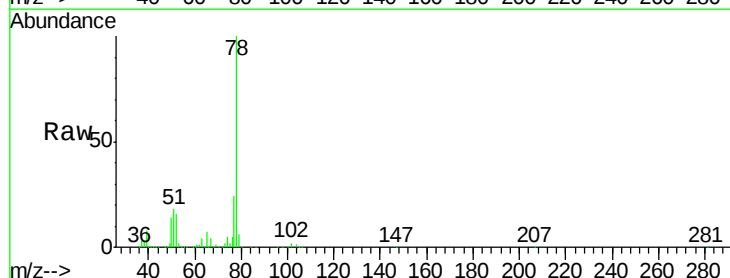
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

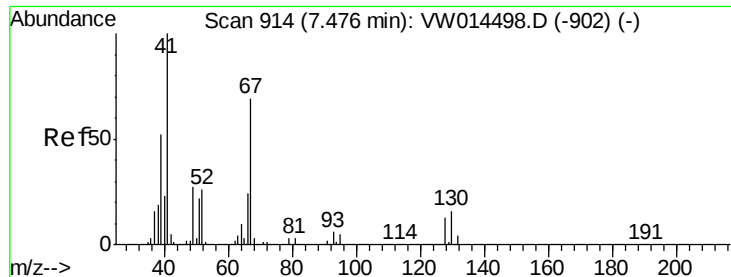
Tgt Ion: 83 Resp: 678694
Ion Ratio Lower Upper
83 100
55 77.2 60.1 90.1
98 47.1 38.8 58.2



#40
Benzene
Concen: 51.694 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW014623.D
Acq: 13 Jan 2020 15:09

Tgt Ion: 78 Resp: 1507060
Ion Ratio Lower Upper
78 100
77 23.9 19.3 28.9

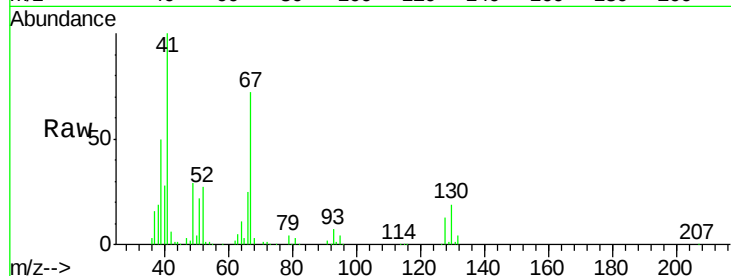




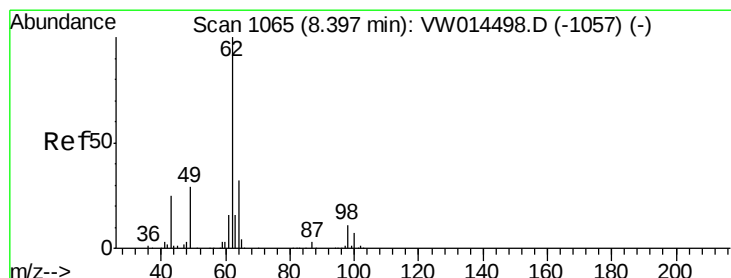
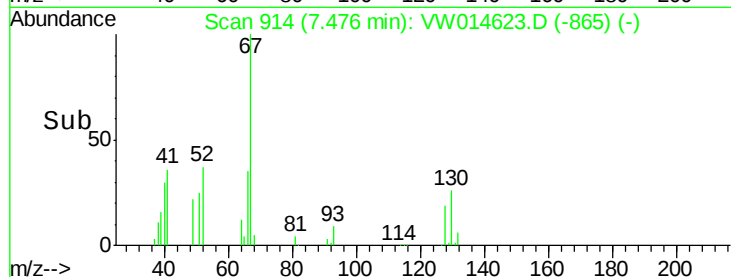
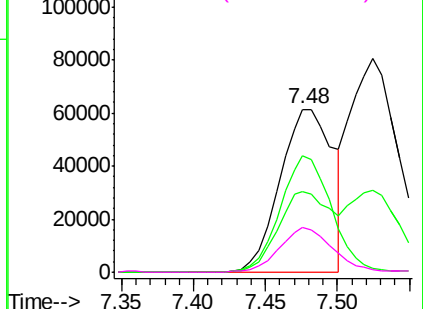
#41
Methacrylonitrile
Concen: 60.662 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.00 min
Lab File: VW014623.D
Acq: 13 Jan 2020 15:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:	41	Resp:	158022
Ion	Ratio	Lower	Upper
41	100		
39	49.7	46.0	69.0
67	68.9	60.8	91.2
52	27.4	23.7	35.5

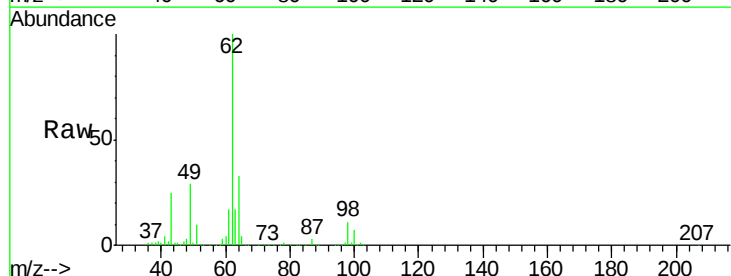


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

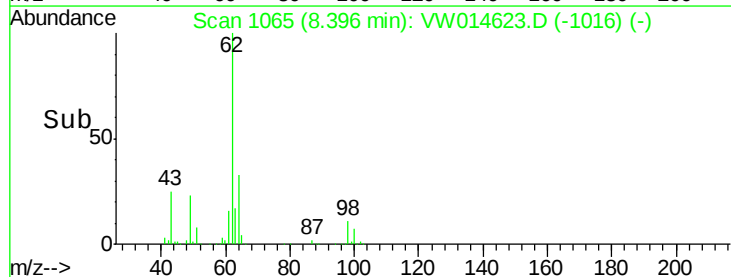
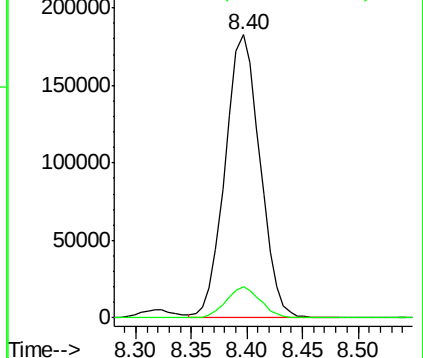


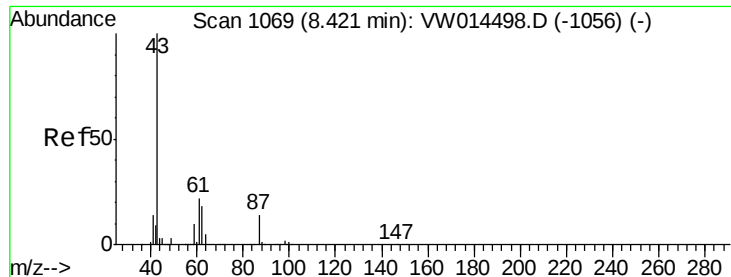
#42
1,2-Dichloroethane
Concen: 52.369 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW014623.D
Acq: 13 Jan 2020 15:09

Tgt Ion:	62	Resp:	396203
Ion	Ratio	Lower	Upper
62	100		
98	10.7	0.0	22.0



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





#43

Isopropyl Acetate

Concen: 54.887 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW014623.D

Acq: 13 Jan 2020 15:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

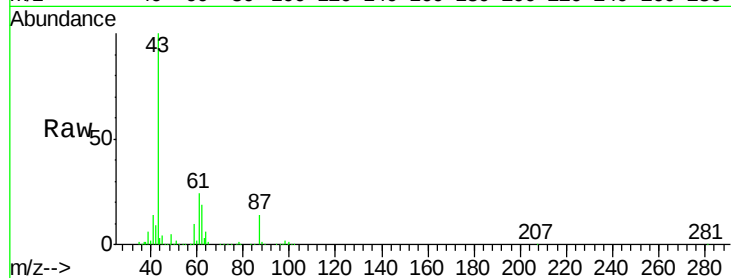
Tgt Ion: 43 Resp: 465763

Ion Ratio Lower Upper

43 100

61 30.7 24.7 37.1

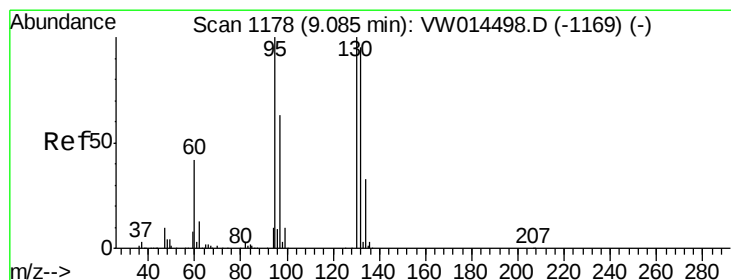
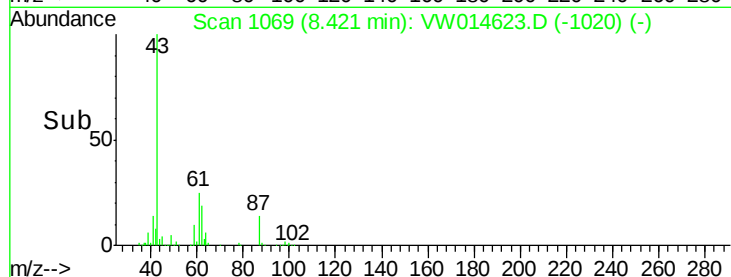
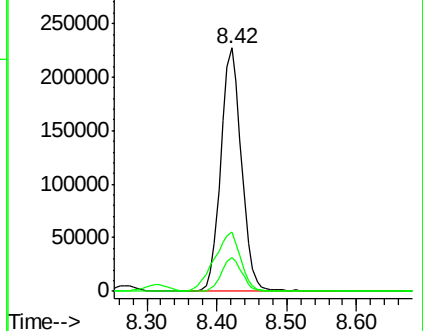
87 13.8 11.1 16.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 51.998 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VW014623.D

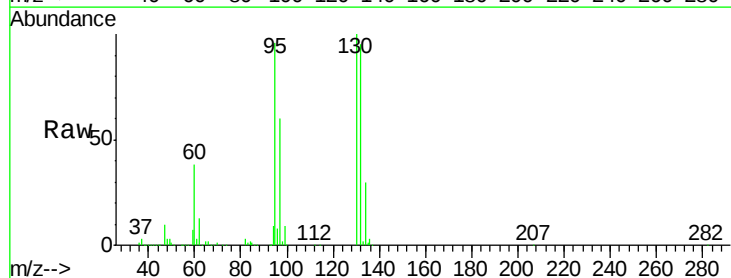
Acq: 13 Jan 2020 15:09

Tgt Ion: 130 Resp: 410194

Ion Ratio Lower Upper

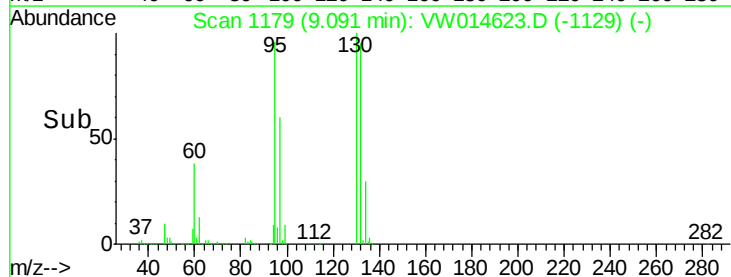
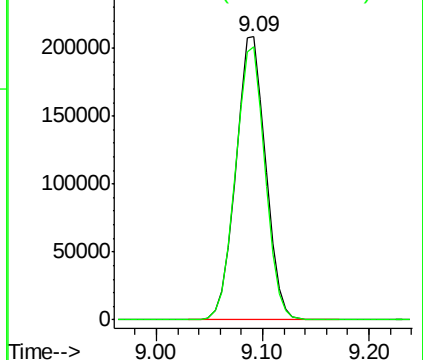
130 100

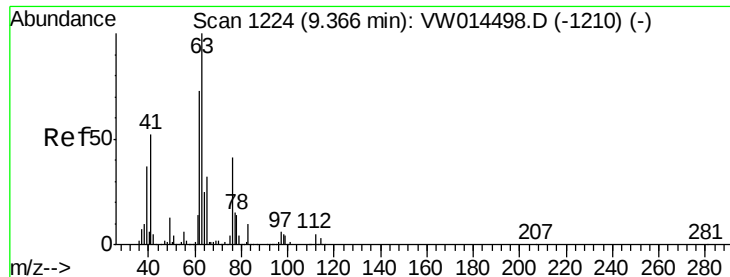
95 96.4 0.0 199.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 52.317 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW014623.D

Acq: 13 Jan 2020 15:09

Instrument :

MSVOA_W

ClientSampleId :

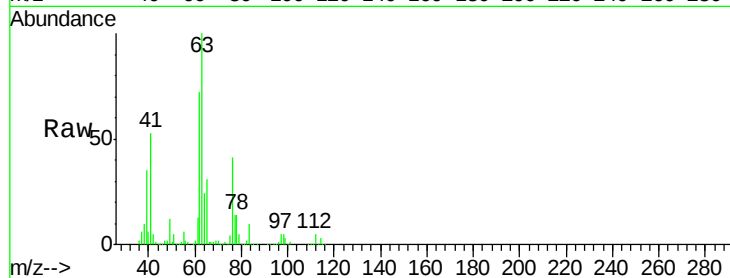
VSTDCCC050EC

Tgt Ion: 63 Resp: 374274

Ion Ratio Lower Upper

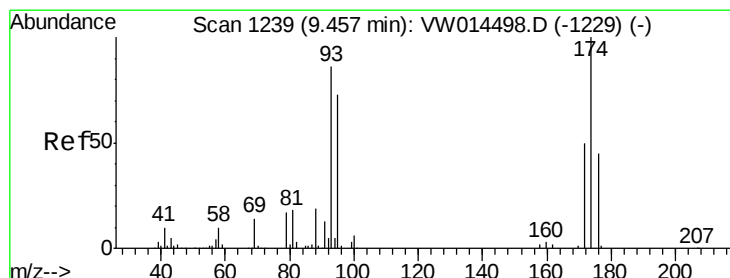
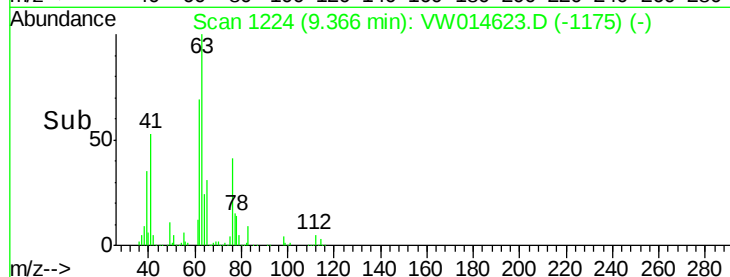
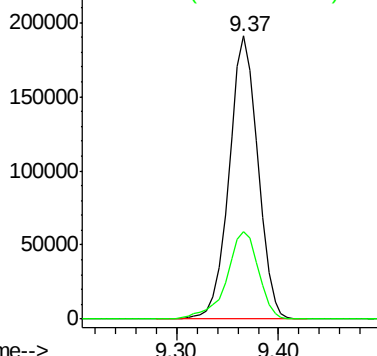
63 100

65 30.9 25.6 38.4



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 52.700 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW014623.D

Acq: 13 Jan 2020 15:09

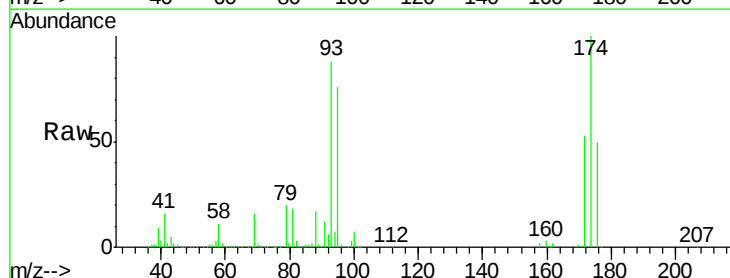
Tgt Ion: 93 Resp: 186118

Ion Ratio Lower Upper

93 100

95 84.3 66.4 99.6

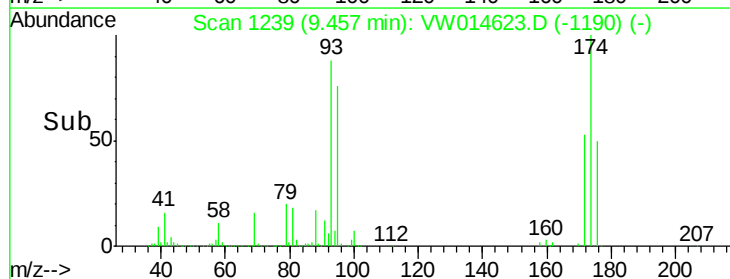
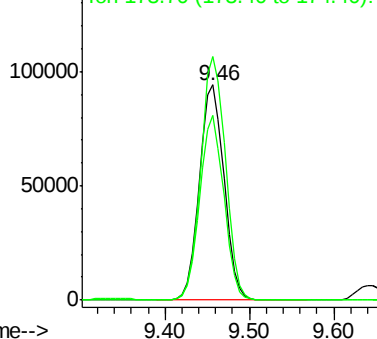
174 112.7 89.1 133.7

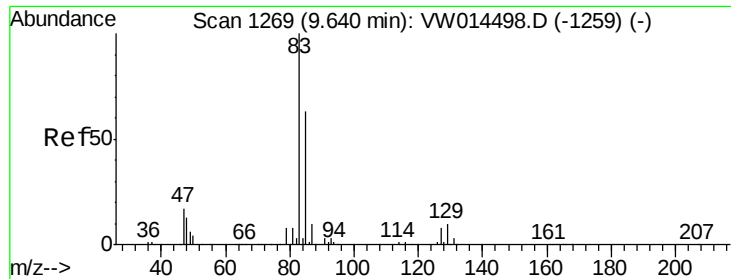


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 53.168 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW014623.D

Acq: 13 Jan 2020 15:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

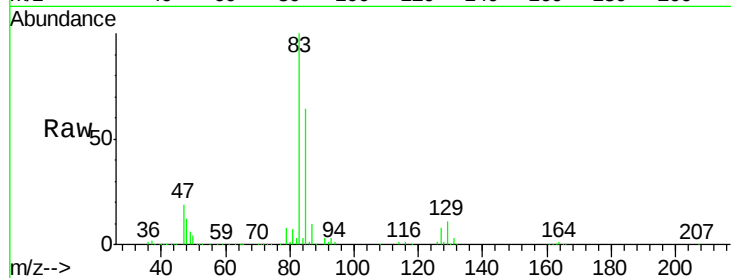
Tgt Ion: 83 Resp: 463580

Ion Ratio Lower Upper

83 100

85 64.5 50.6 76.0

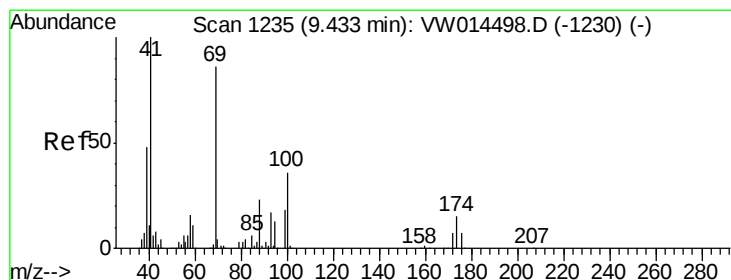
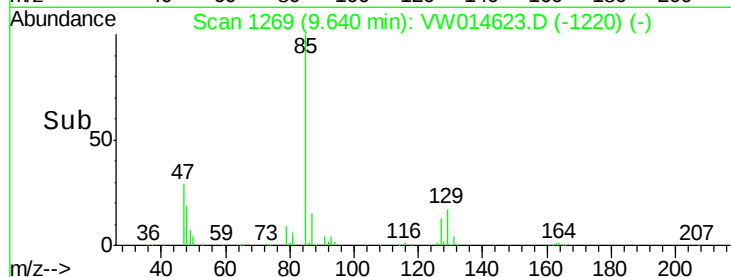
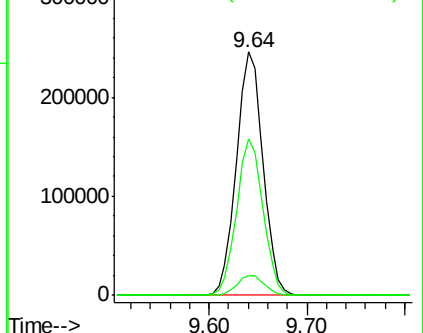
127 8.2 6.6 9.8



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 54.295 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW014623.D

Acq: 13 Jan 2020 15:09

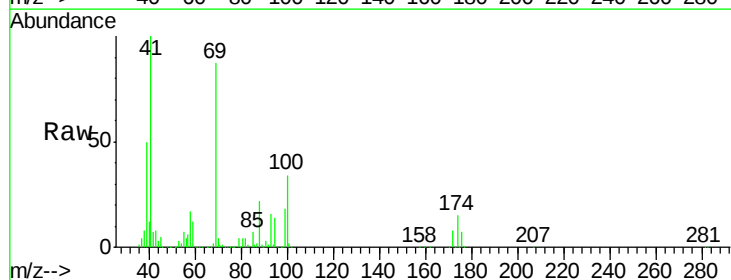
Tgt Ion: 41 Resp: 224953

Ion Ratio Lower Upper

41 100

69 88.2 68.3 102.5

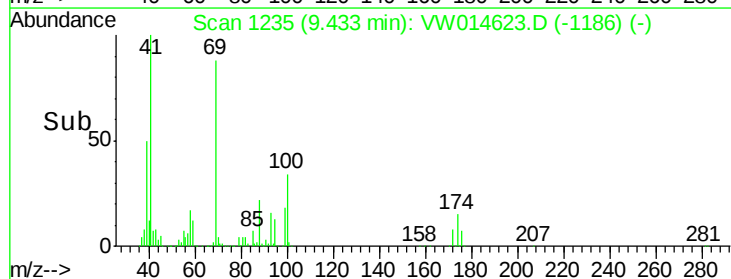
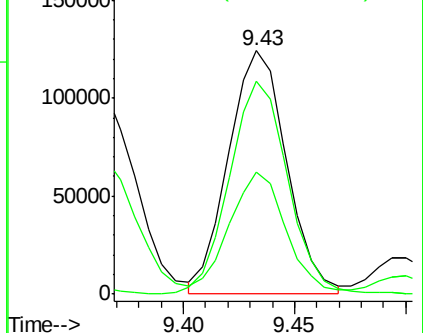
39 45.7 36.8 55.2

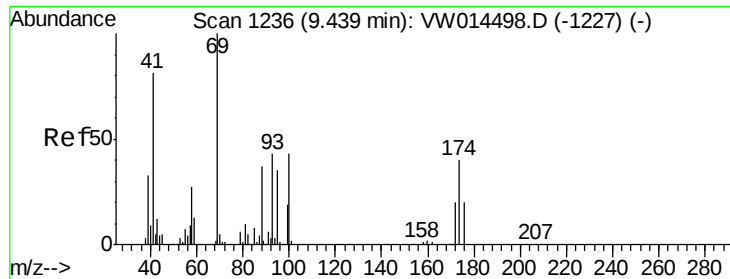


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

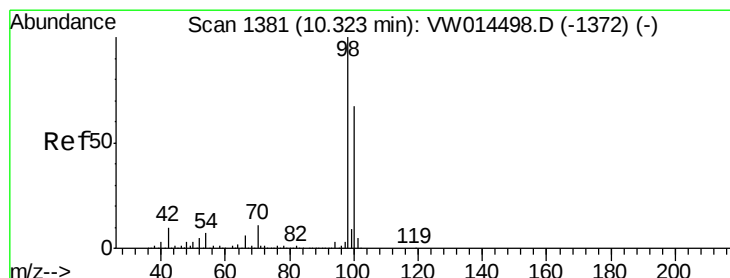
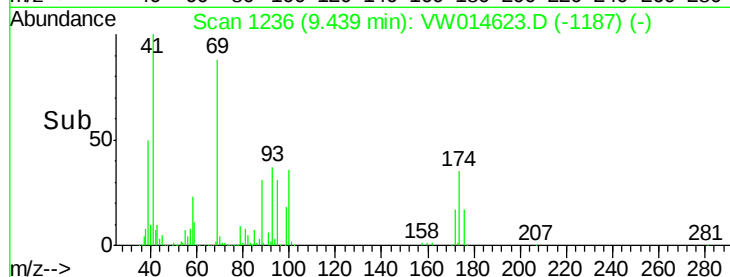
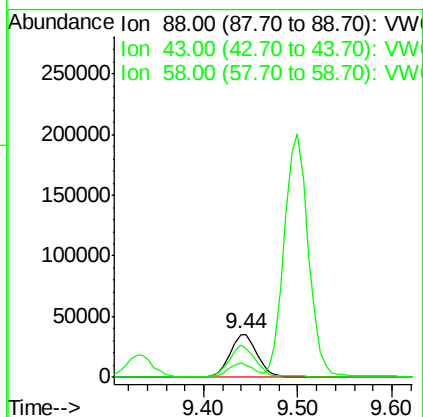
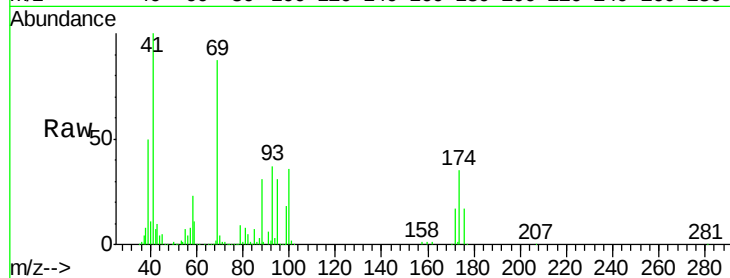




#49
1,4-Dioxane
Concen: 1080.621 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VW014623.D
Acq: 13 Jan 2020 15:09

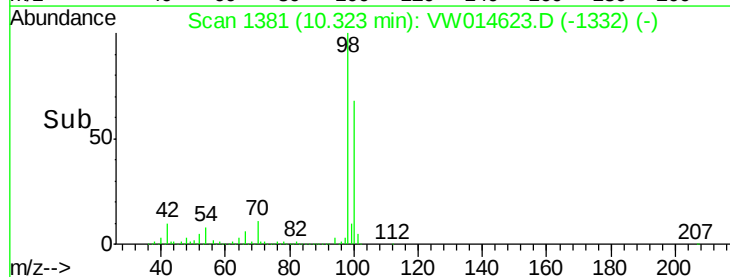
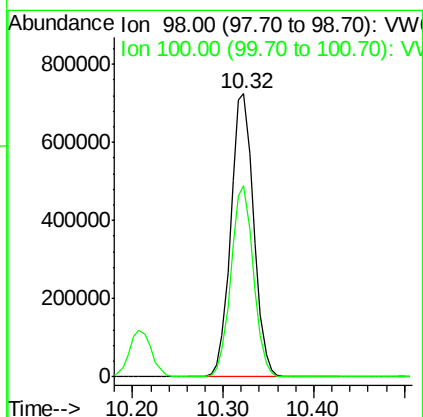
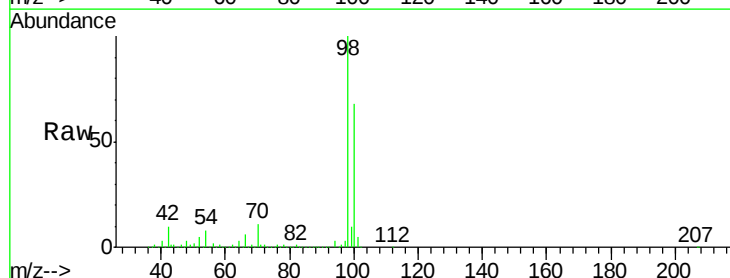
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

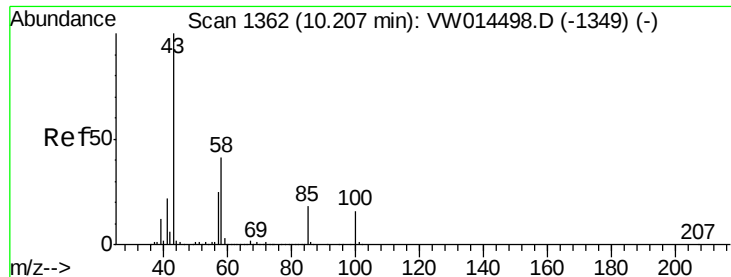
Tgt Ion: 88 Resp: 71380
Ion Ratio Lower Upper
88 100
43 30.9 24.9 37.3
58 71.4 56.9 85.3



#50
Toluene-d8
Concen: 50.265 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW014623.D
Acq: 13 Jan 2020 15:09

Tgt Ion: 98 Resp: 1281370
Ion Ratio Lower Upper
98 100
100 66.3 53.8 80.6

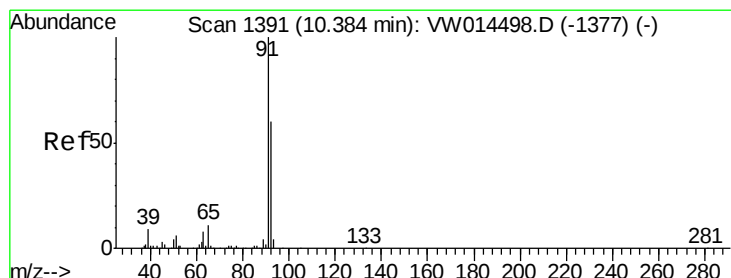
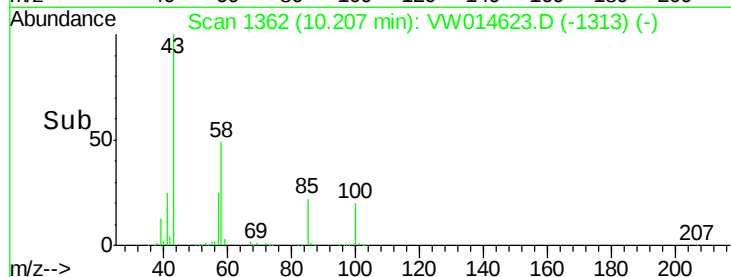
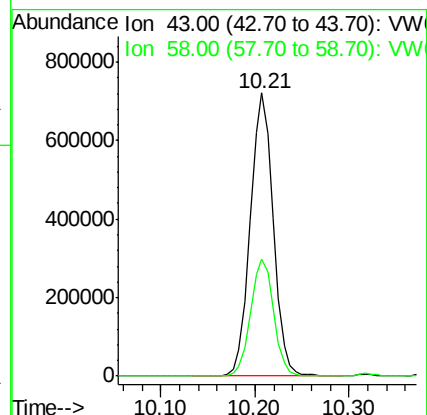
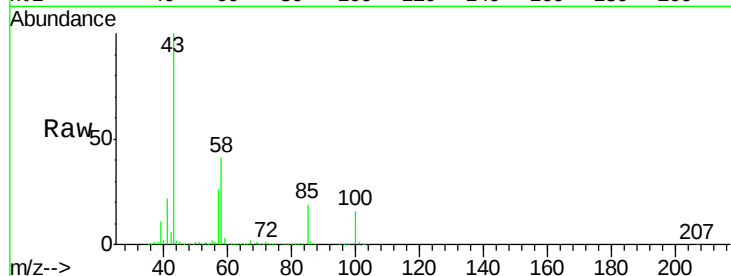




#51
 4-Methyl-2-Pentanone
 Concen: 279.697 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW014623.D
 Acq: 13 Jan 2020 15:09

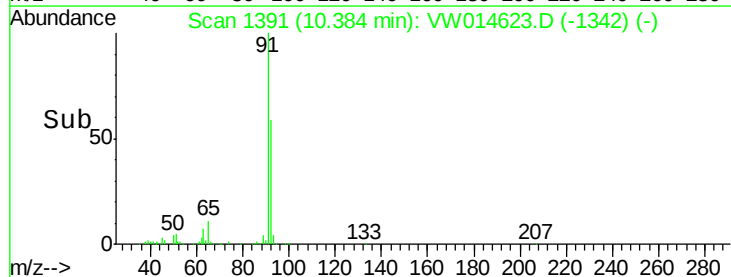
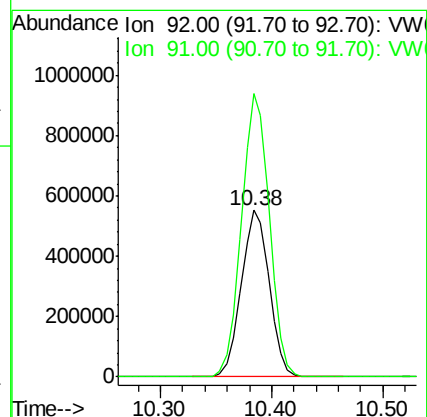
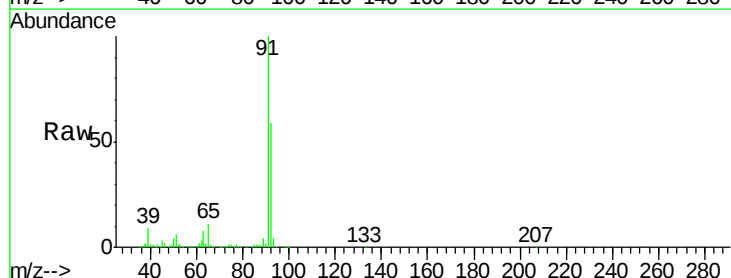
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

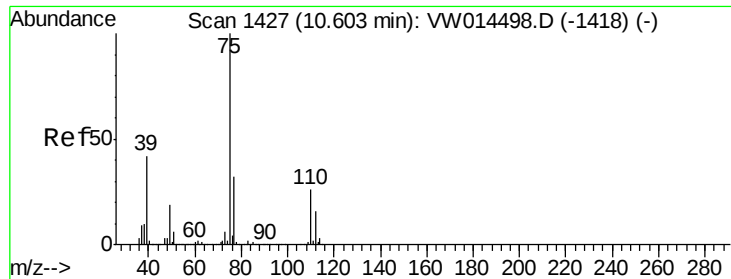
Tgt Ion: 43 Resp: 1232554
 Ion Ratio Lower Upper
 43 100
 58 41.4 32.7 49.1



#52
 Toluene
 Concen: 52.171 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VW014623.D
 Acq: 13 Jan 2020 15:09

Tgt Ion: 92 Resp: 956859
 Ion Ratio Lower Upper
 92 100
 91 169.6 134.1 201.1





#53

t-1,3-Dichloropropene

Concen: 53.296 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW014623.D

Acq: 13 Jan 2020 15:09

Instrument :

MSVOA_W

ClientSampleId :

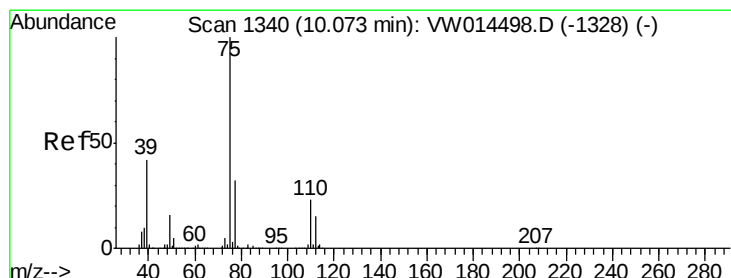
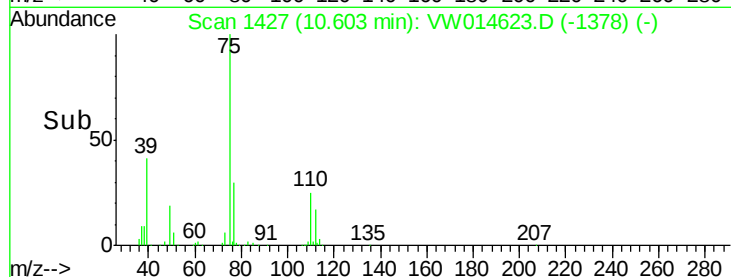
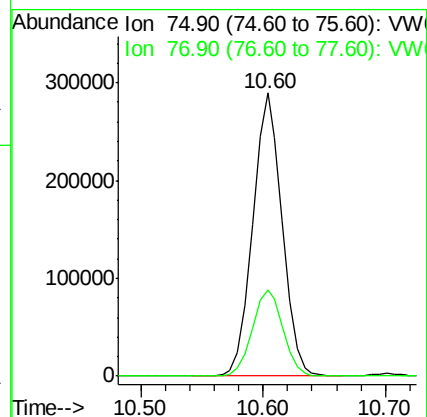
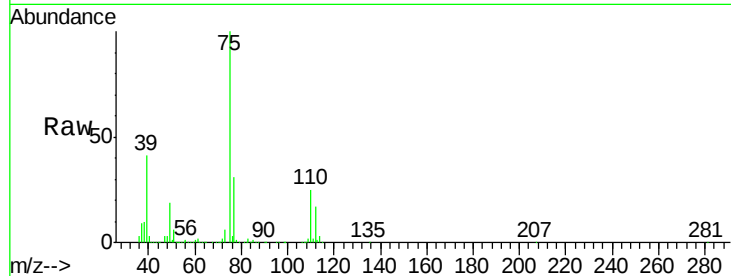
VSTDCCC050EC

Tgt Ion: 75 Resp: 481150

Ion Ratio Lower Upper

75 100

77 30.5 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 53.453 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW014623.D

Acq: 13 Jan 2020 15:09

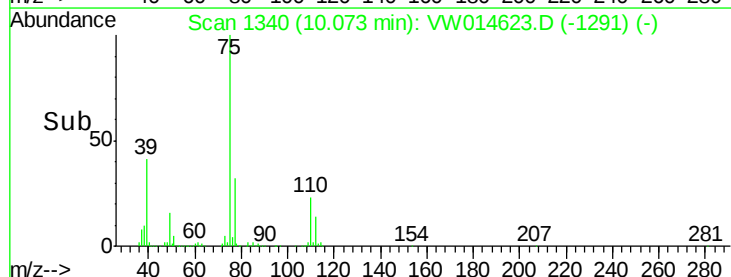
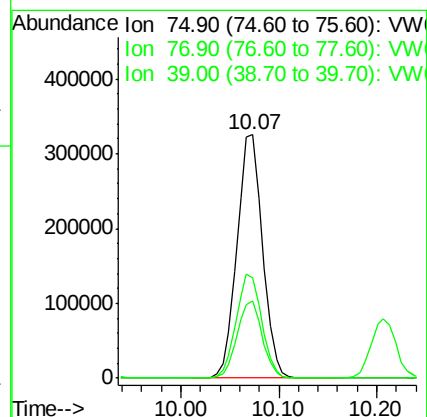
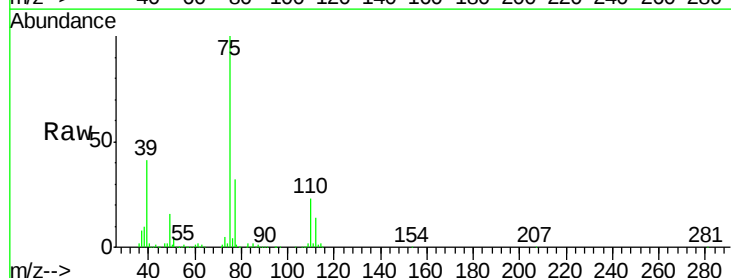
Tgt Ion: 75 Resp: 589780

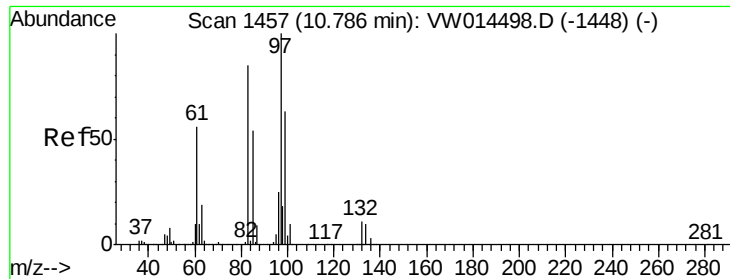
Ion Ratio Lower Upper

75 100

77 31.6 25.4 38.0

39 41.3 33.4 50.2

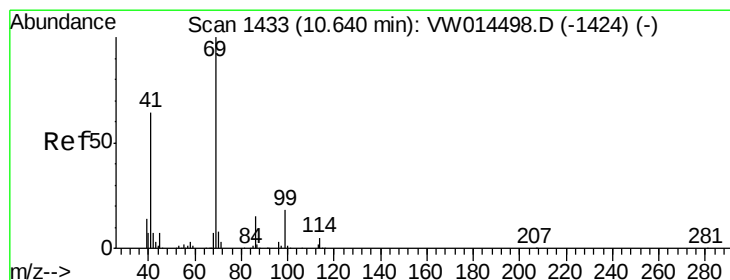
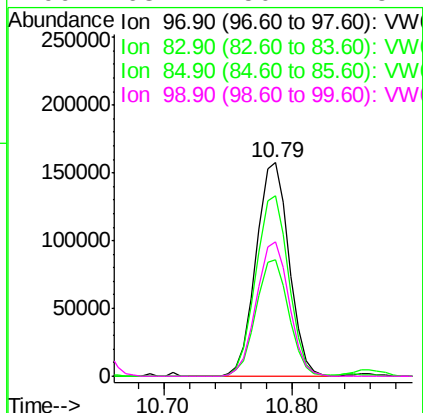
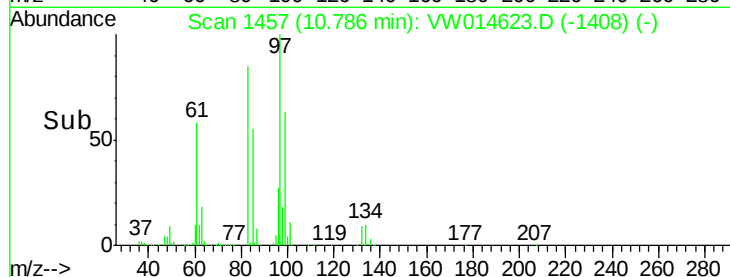
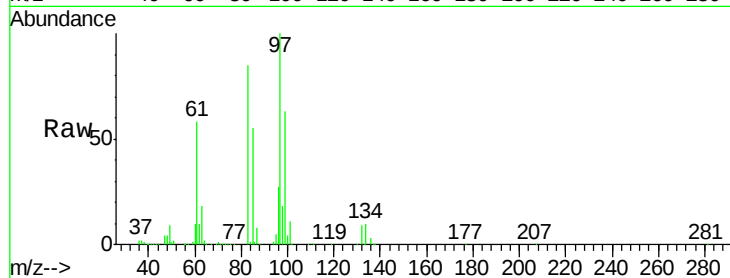




#55
 1,1,2-Trichloroethane
 Concen: 54.009 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW014623.D
 Acq: 13 Jan 2020 15:09

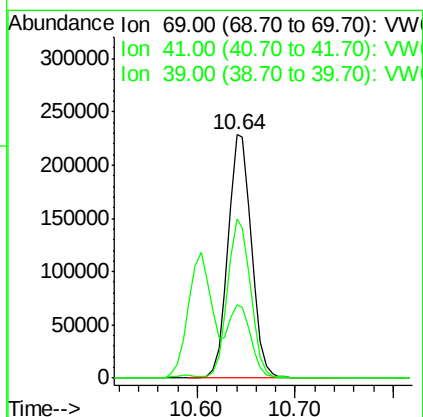
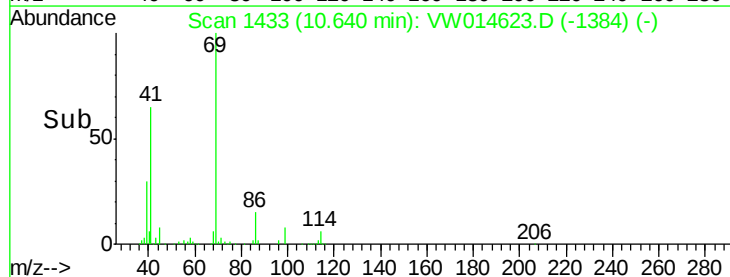
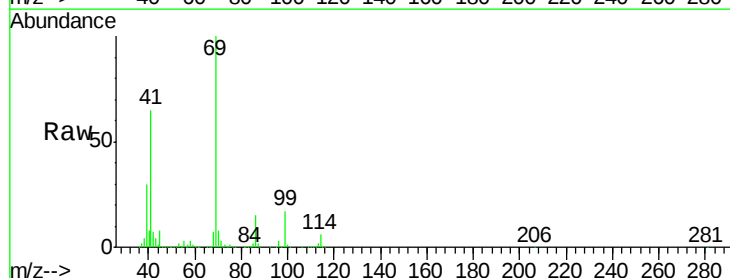
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:	97	Resp:	278577
Ion	Ratio	Lower	Upper
97	100		
83	84.7	68.2	102.4
85	54.7	43.0	64.4
99	63.2	50.1	75.1



#56
 Ethyl methacrylate
 Concen: 56.696 ug/l
 RT: 10.64 min Scan# 1433
 Delta R.T. -0.00 min
 Lab File: VW014623.D
 Acq: 13 Jan 2020 15:09

Tgt Ion:	69	Resp:	380047
Ion	Ratio	Lower	Upper
69	100		
41	64.3	51.3	76.9
39	26.9	21.0	31.6





#57

1,3-Dichloropropane

Concen: 53.567 ug/l

RT: 10.93 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW014623.D

Acq: 13 Jan 2020 15:09

Instrument :

MSVOA_W

ClientSampleId :

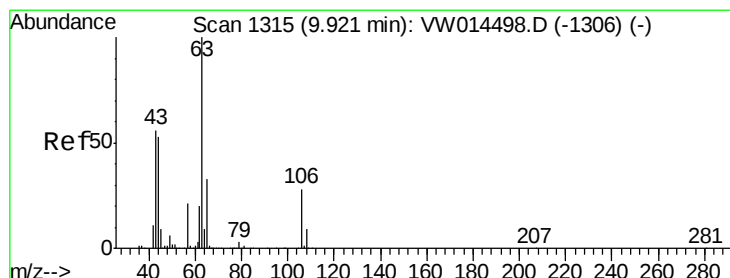
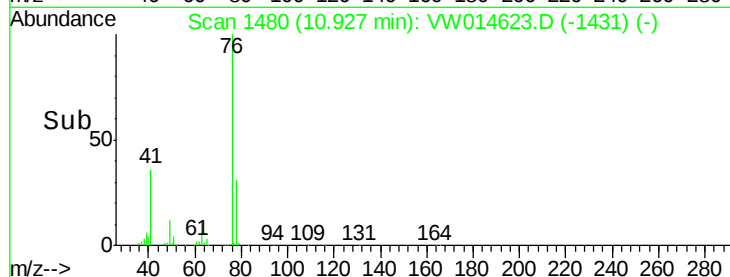
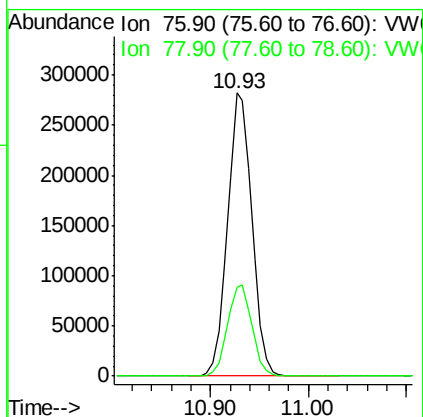
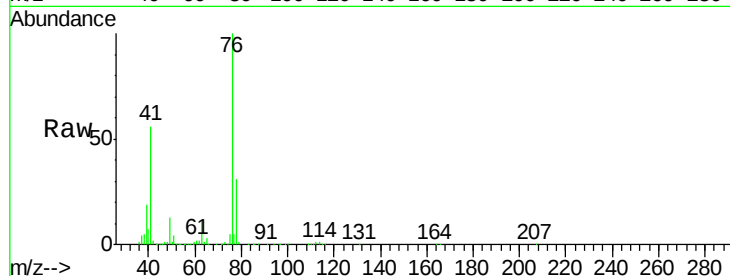
VSTDCCC050EC

Tgt Ion: 76 Resp: 485596

Ion Ratio Lower Upper

76 100

78 32.3 25.9 38.9



#58

2-Chloroethyl Vinyl ether

Concen: 305.057 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW014623.D

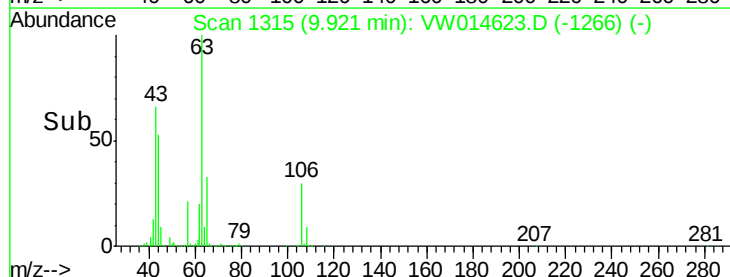
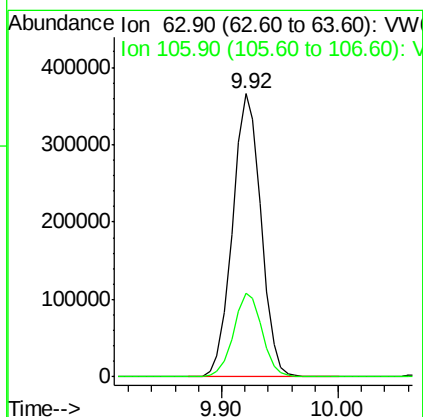
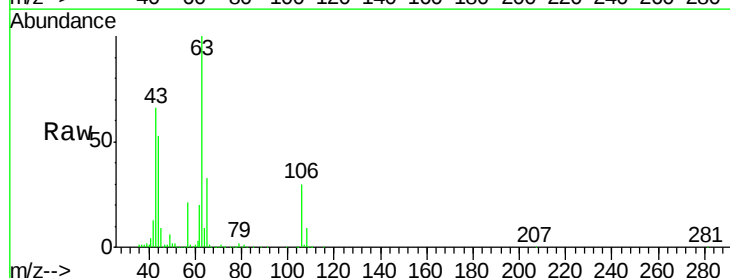
Acq: 13 Jan 2020 15:09

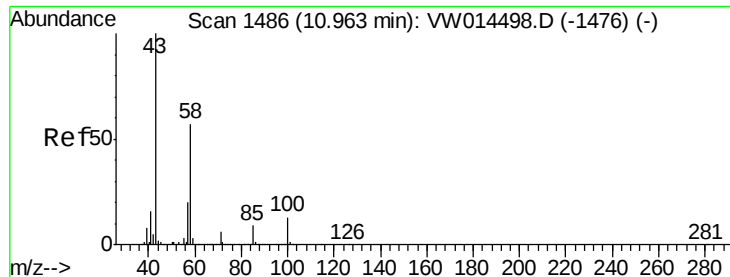
Tgt Ion: 63 Resp: 621912

Ion Ratio Lower Upper

63 100

106 29.4 23.0 34.6

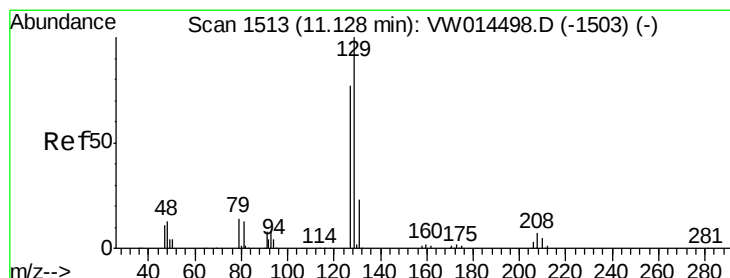
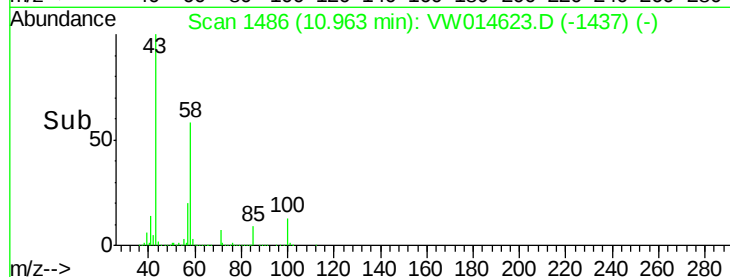
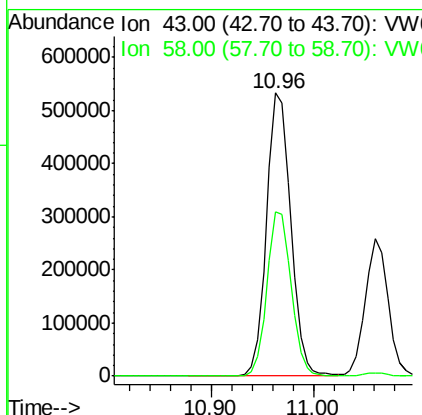
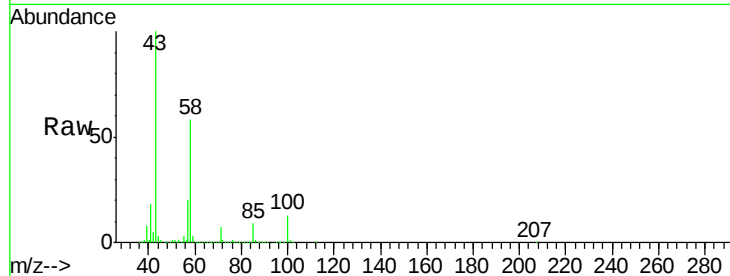




#59
2-Hexanone
Concen: 289.722 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. -0.00 min
Lab File: VW014623.D
Acq: 13 Jan 2020 15:09

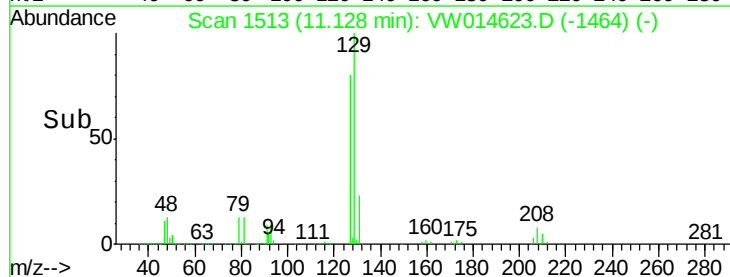
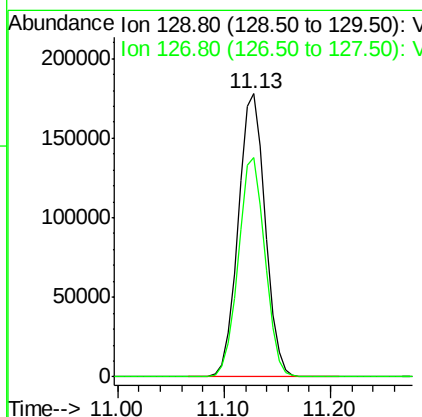
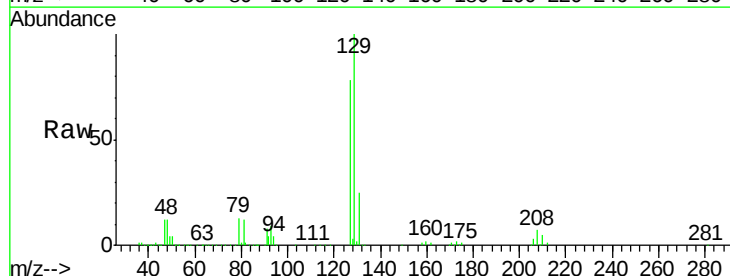
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

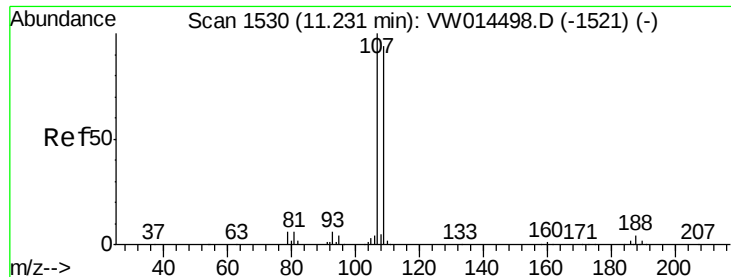
Tgt Ion: 43 Resp: 879779
Ion Ratio Lower Upper
43 100
58 57.8 28.7 86.3



#60
Dibromochloromethane
Concen: 54.339 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW014623.D
Acq: 13 Jan 2020 15:09

Tgt Ion: 129 Resp: 316235
Ion Ratio Lower Upper
129 100
127 76.5 38.1 114.5

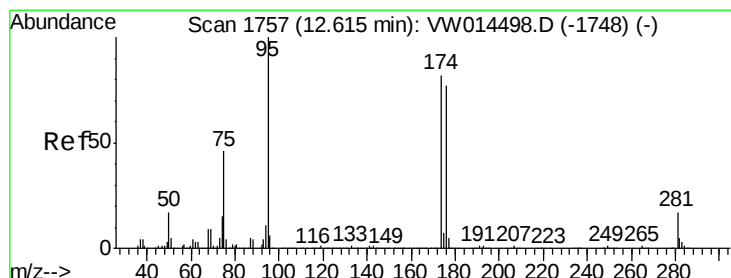
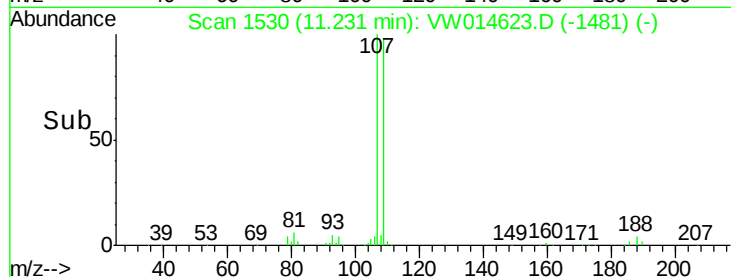
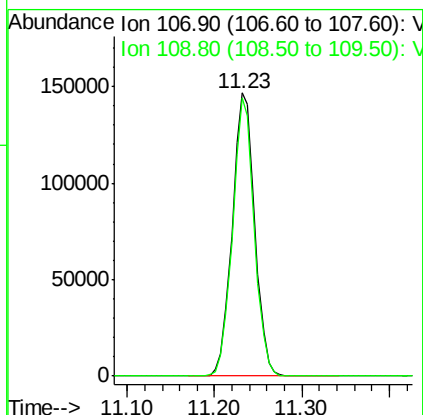
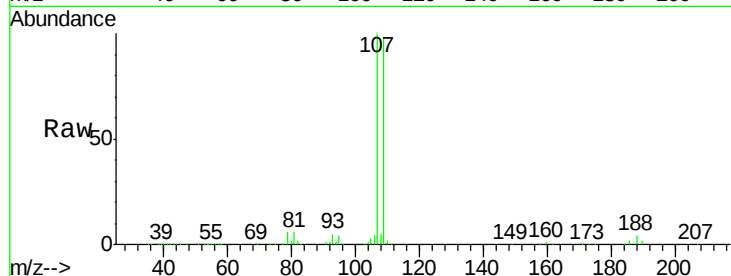




#61
1,2-Dibromoethane
Concen: 53.558 ug/l
RT: 11.23 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VW014623.D
Acq: 13 Jan 2020 15:09

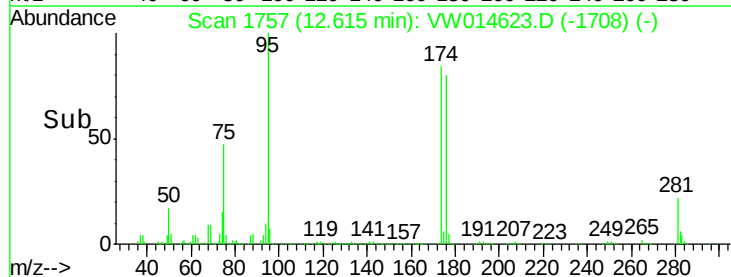
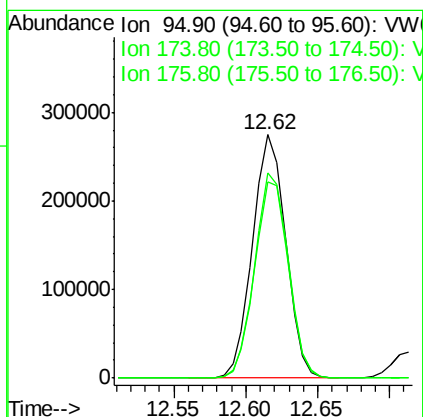
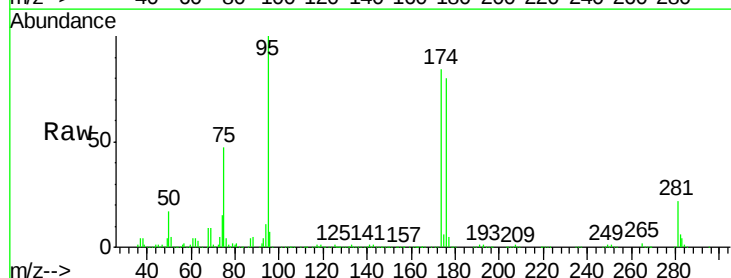
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

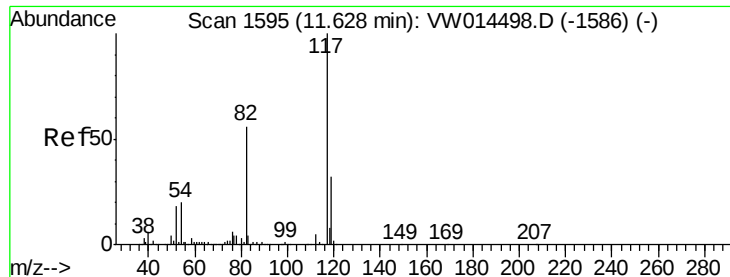
Tgt Ion: 107 Resp: 262223
Ion Ratio Lower Upper
107 100
109 95.1 75.1 112.7



#62
4-Bromofluorobenzene
Concen: 50.517 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW014623.D
Acq: 13 Jan 2020 15:09

Tgt Ion: 95 Resp: 436798
Ion Ratio Lower Upper
95 100
174 85.3 0.0 168.6
176 82.9 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.00 min

Lab File: VW014623.D

Acq: 13 Jan 2020 15:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

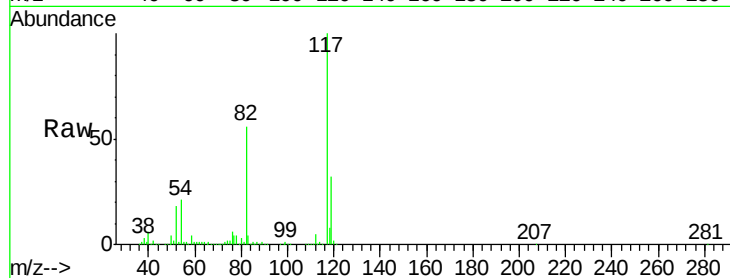
Tgt Ion:117 Resp: 917299

Ion Ratio Lower Upper

117 100

82 55.9 44.6 67.0

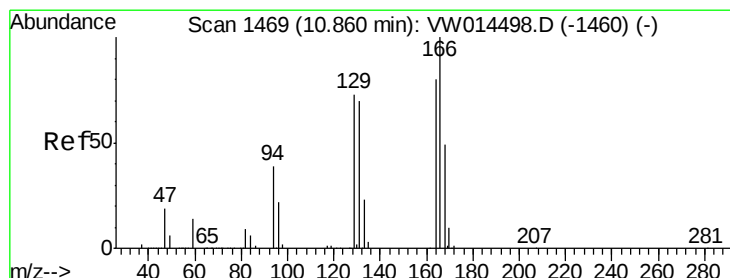
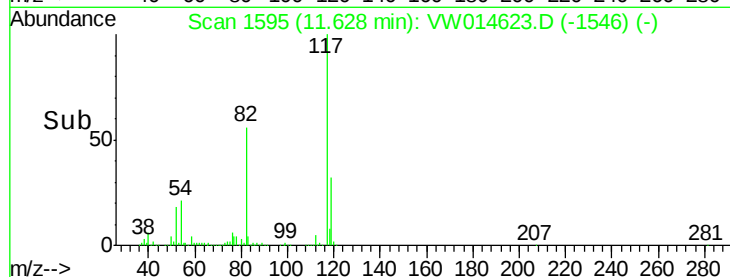
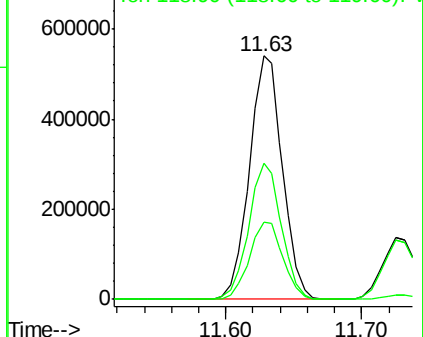
119 31.9 25.7 38.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 54.079 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW014623.D

Acq: 13 Jan 2020 15:09

Tgt Ion:164 Resp: 359134

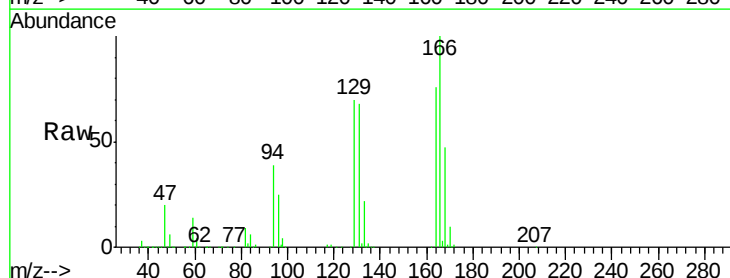
Ion Ratio Lower Upper

164 100

166 132.2 99.8 149.6

129 92.0 72.4 108.6

131 89.8 70.1 105.1

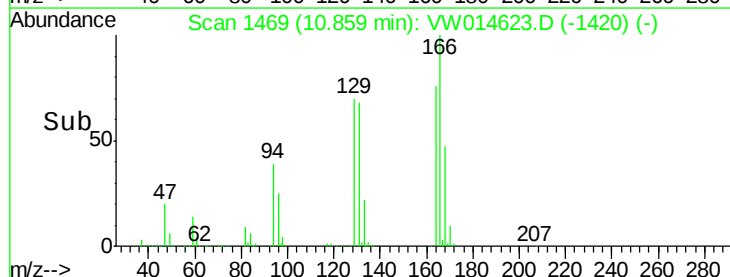
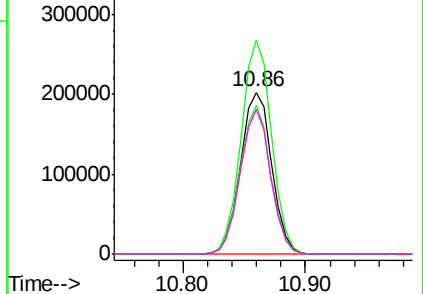


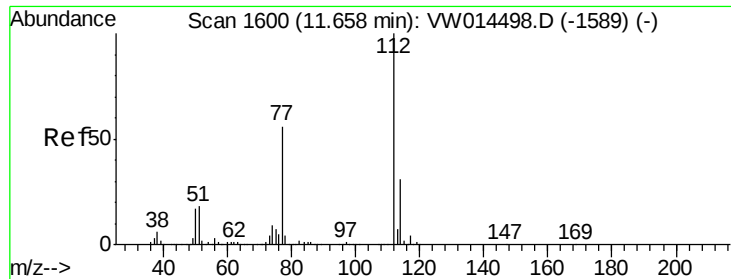
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

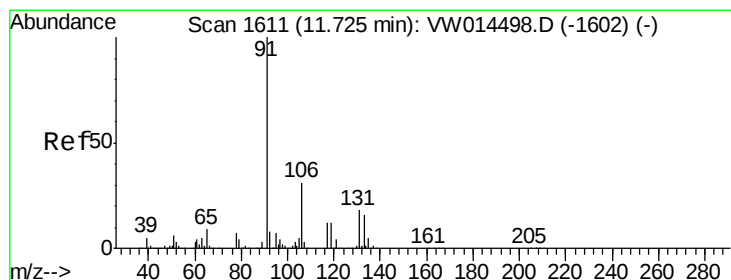
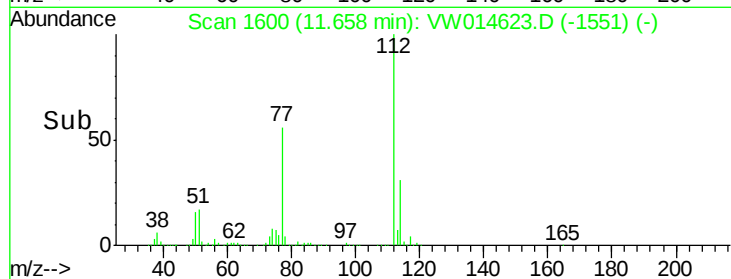
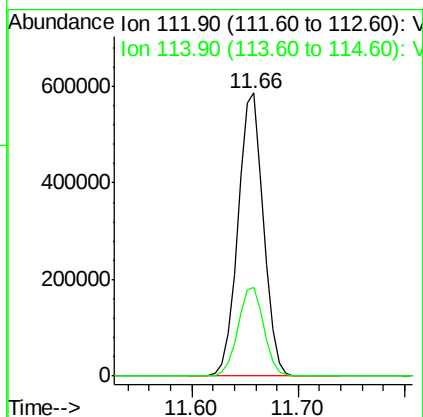
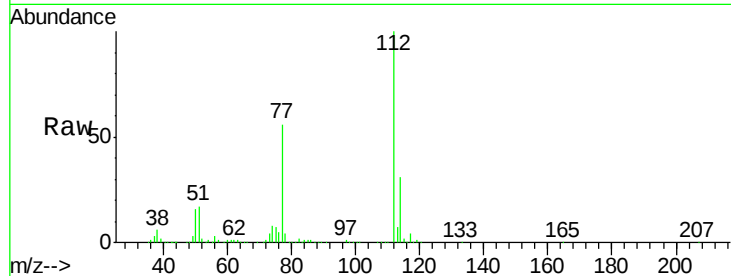




#65
Chlorobenzene
Concen: 52.234 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW014623.D
Acq: 13 Jan 2020 15:09

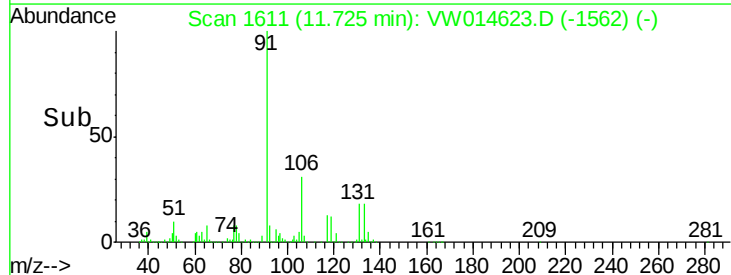
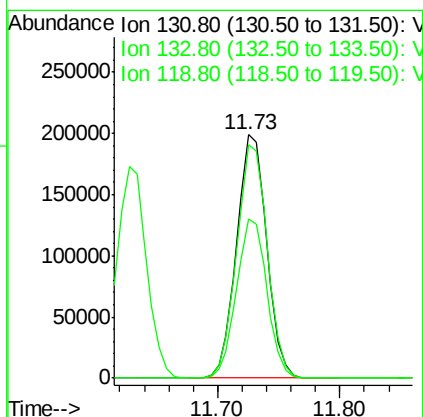
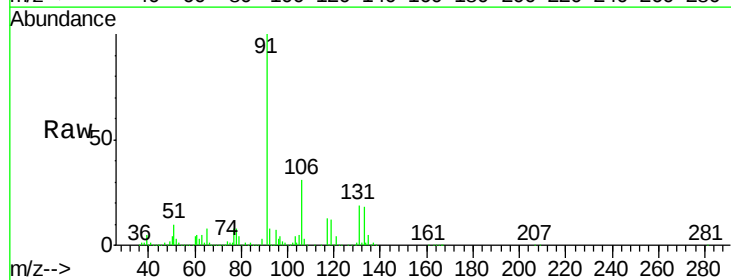
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

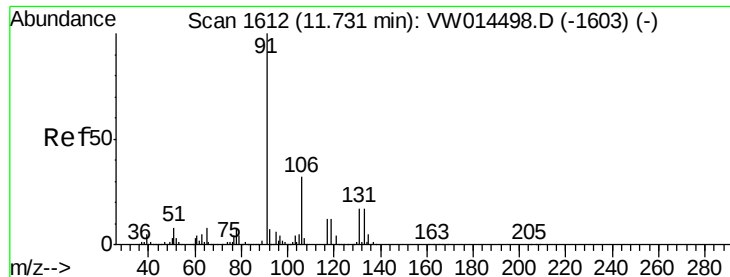
Tgt Ion:112 Resp: 981619
Ion Ratio Lower Upper
112 100
114 31.4 24.6 37.0



#66
1,1,1,2-Tetrachloroethane
Concen: 53.537 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VW014623.D
Acq: 13 Jan 2020 15:09

Tgt Ion:131 Resp: 338750
Ion Ratio Lower Upper
131 100
133 97.3 47.3 142.0
119 66.1 33.1 99.3

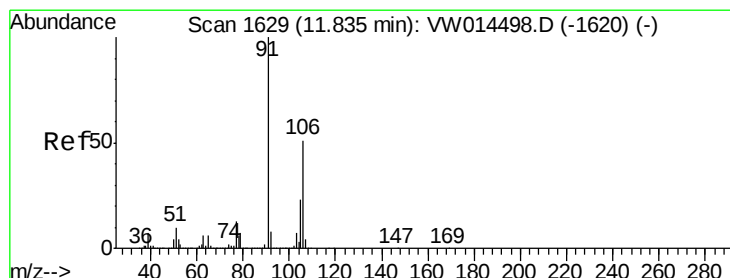
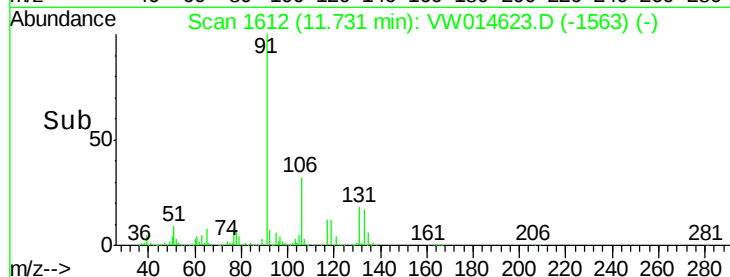
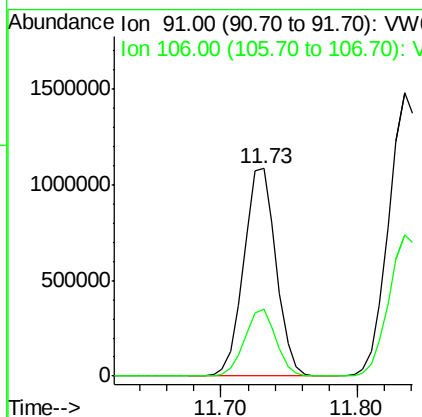
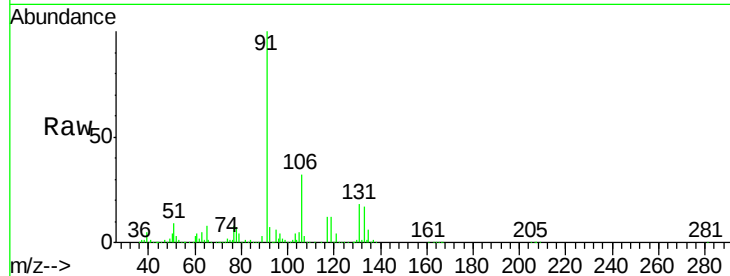




#67
Ethyl Benzene
Concen: 53.273 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW014623.D
Acq: 13 Jan 2020 15:09

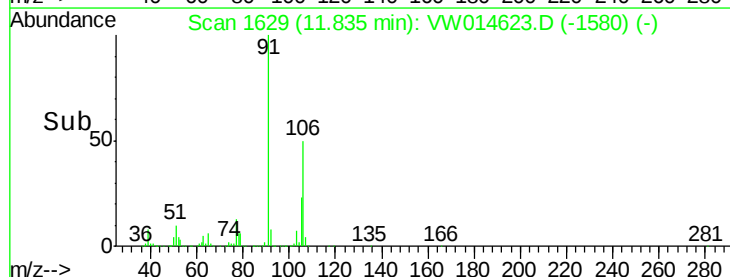
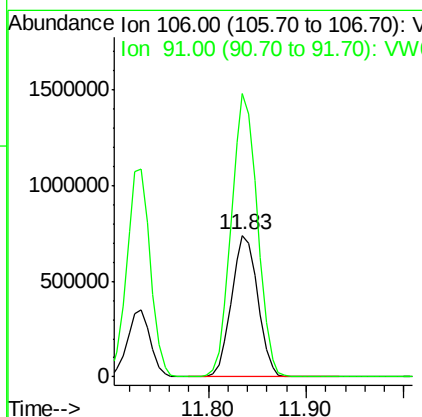
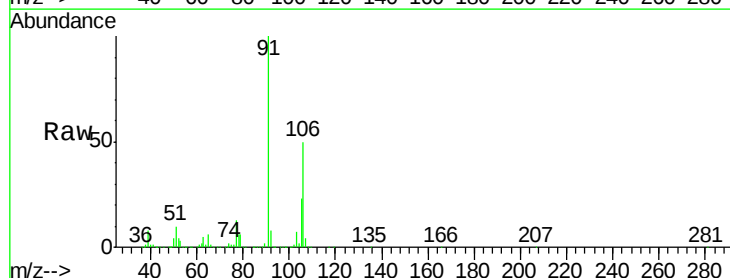
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 1804204
Ion Ratio Lower Upper
91 100
106 32.2 25.5 38.3



#68
m/p-Xylenes
Concen: 106.339 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW014623.D
Acq: 13 Jan 2020 15:09

Tgt Ion: 106 Resp: 1378345
Ion Ratio Lower Upper
106 100
91 198.3 159.0 238.6

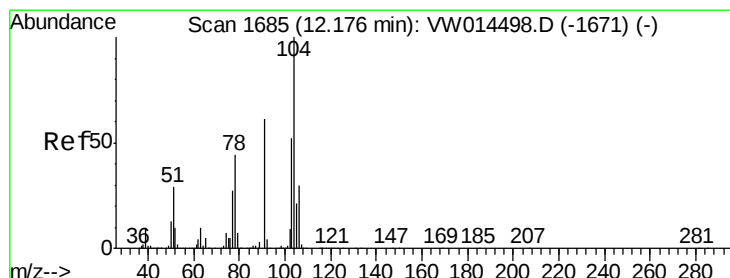
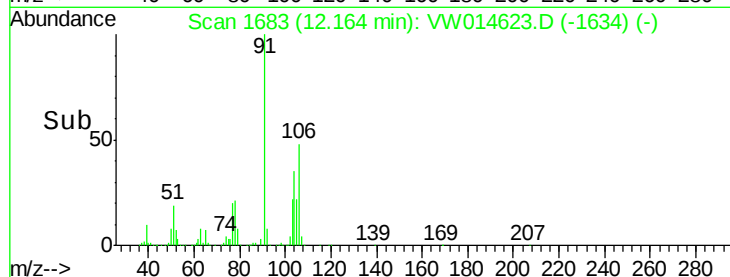
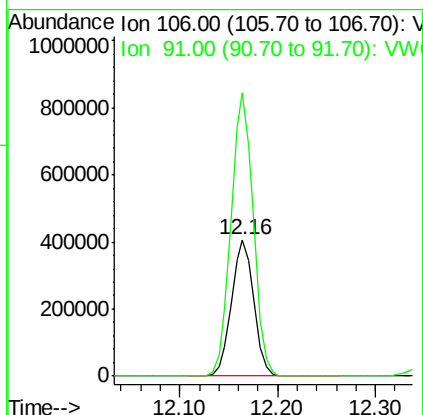
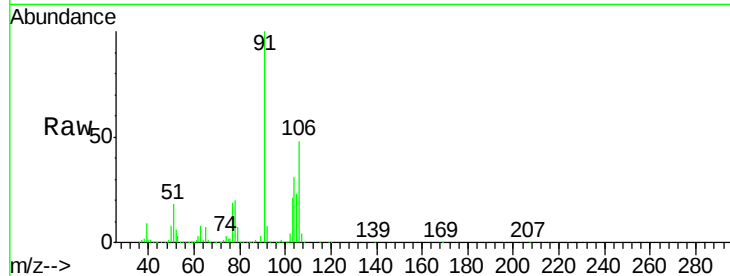




#69
o-Xylene
Concen: 53.334 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW014623.D
Acq: 13 Jan 2020 15:09

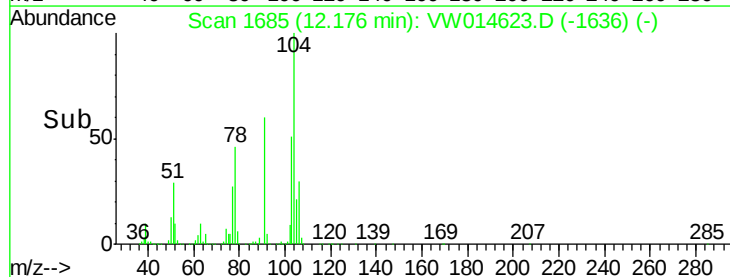
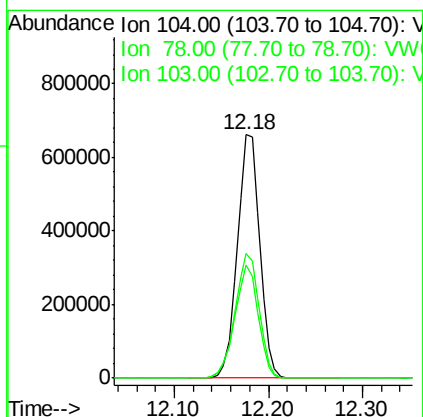
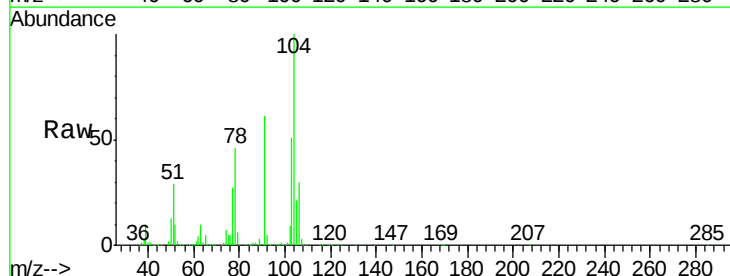
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

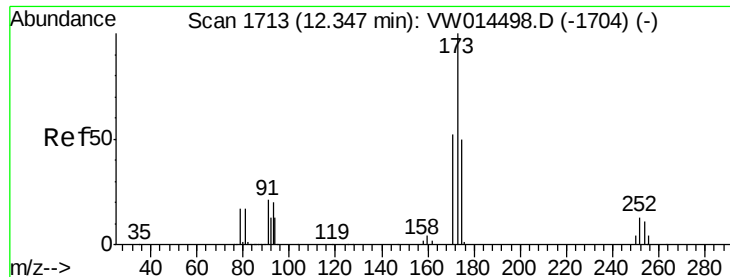
Tgt Ion:106 Resp: 638571
Ion Ratio Lower Upper
106 100
91 208.7 105.2 315.6



#70
Styrene
Concen: 54.170 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW014623.D
Acq: 13 Jan 2020 15:09

Tgt Ion:104 Resp: 1097015
Ion Ratio Lower Upper
104 100
78 48.4 38.4 57.6
103 54.6 43.7 65.5





#71

Bromoform

Concen: 55.233 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW014623.D

Acq: 13 Jan 2020 15:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

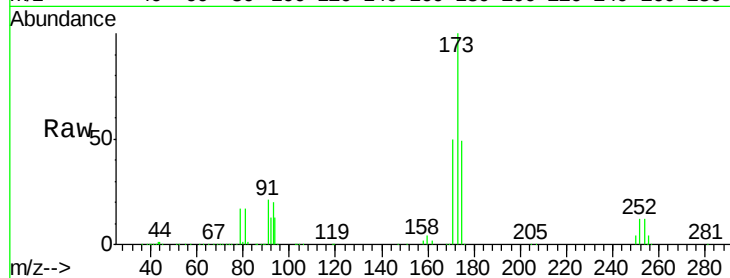
Tgt Ion:173 Resp: 190627

Ion Ratio Lower Upper

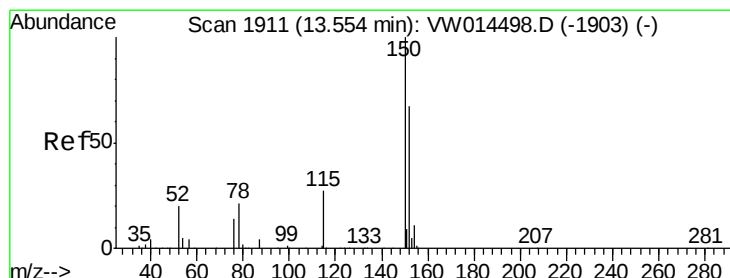
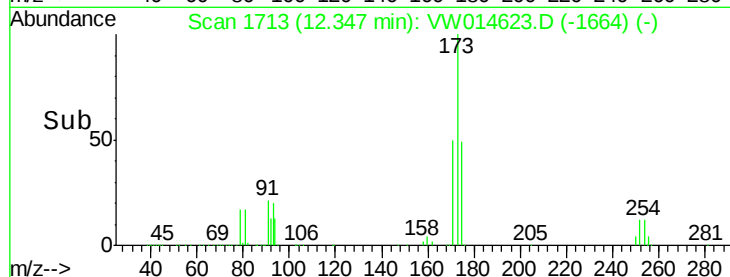
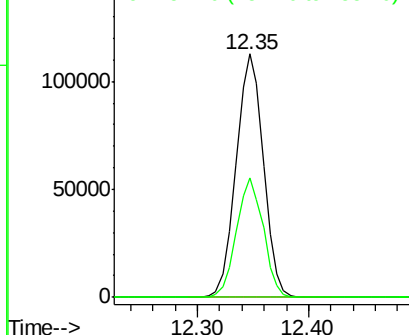
173 100

175 48.3 24.5 73.5

254 0.2 0.0 0.0#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.00 min

Lab File: VW014623.D

Acq: 13 Jan 2020 15:09

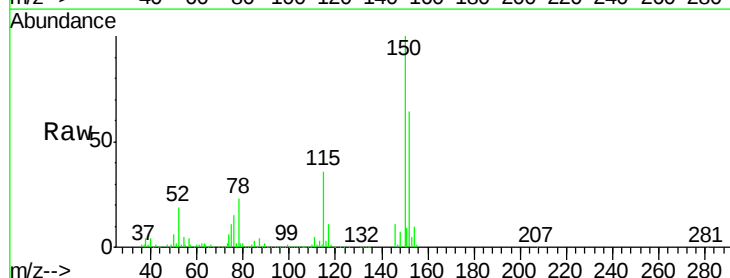
Tgt Ion:152 Resp: 467703

Ion Ratio Lower Upper

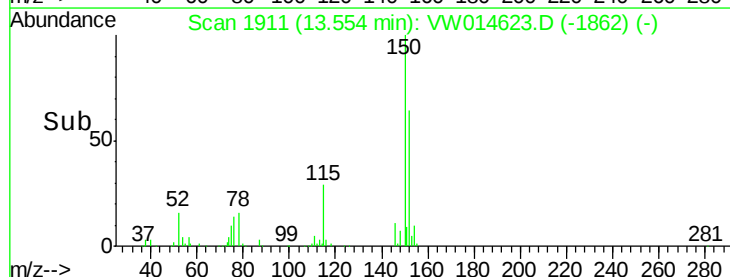
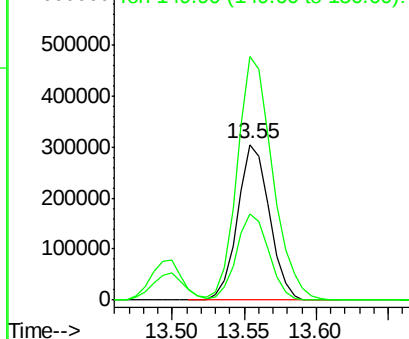
152 100

115 56.4 27.7 83.1

150 174.7 0.0 343.4



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: 51.857 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW014623.D

Acq: 13 Jan 2020 15:09

Instrument :

MSVOA_W

ClientSampleId :

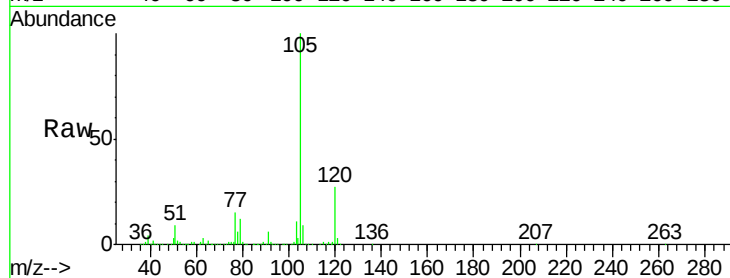
VSTDCCC050EC

Tgt Ion:105 Resp: 1779607

Ion Ratio Lower Upper

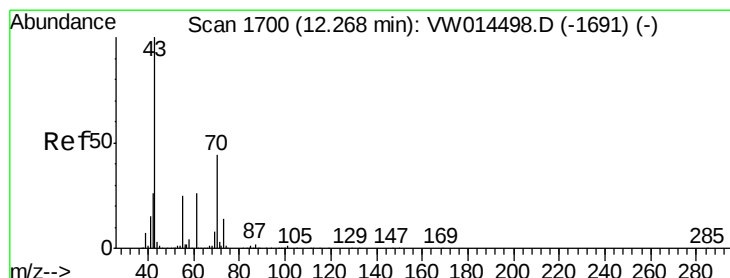
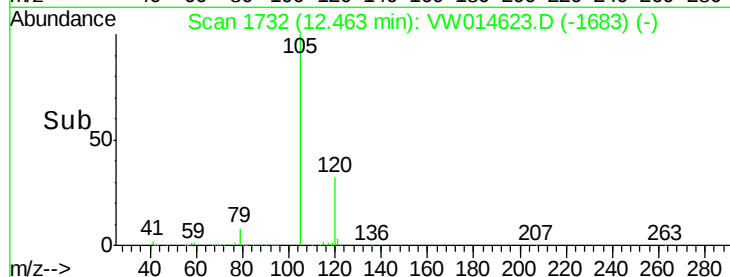
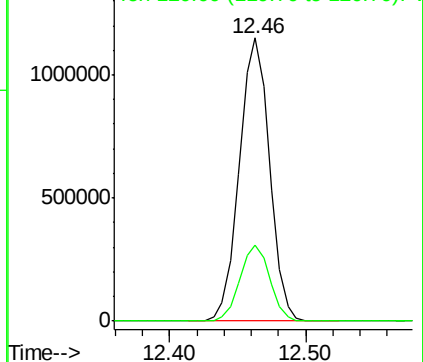
105 100

120 26.6 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 54.739 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VW014623.D

Acq: 13 Jan 2020 15:09

Tgt Ion: 43 Resp: 421200

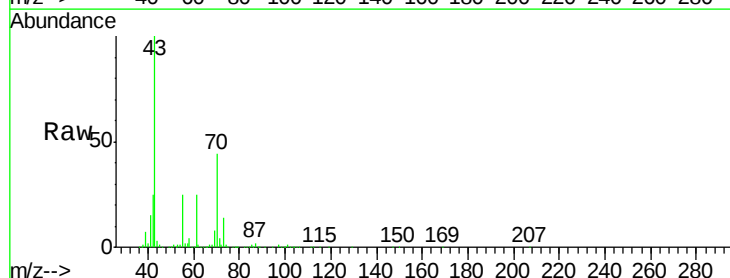
Ion Ratio Lower Upper

43 100

70 46.2 36.5 54.7

55 26.1 20.9 31.3

61 25.7 20.7 31.1

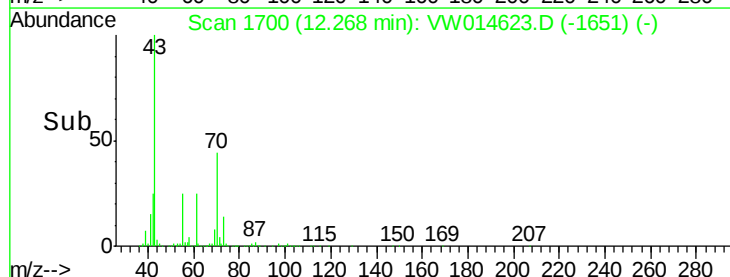
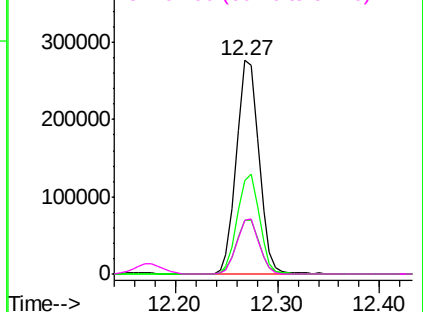


Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 52.664 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW014623.D

Acq: 13 Jan 2020 15:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

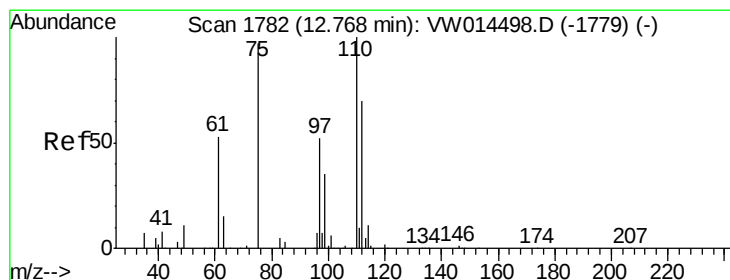
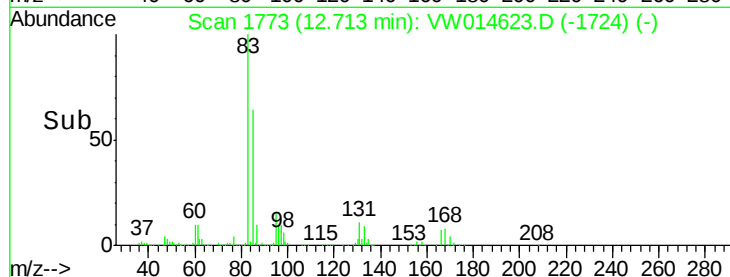
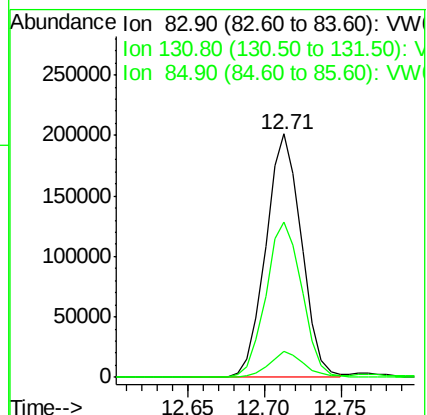
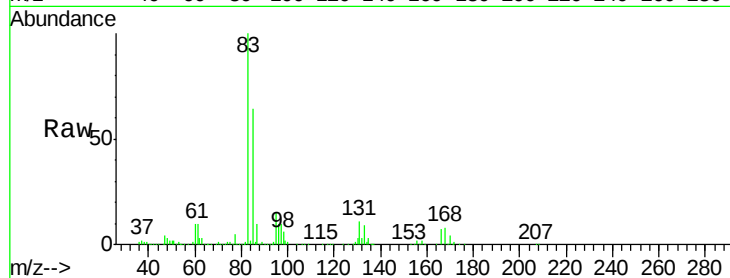
Tgt Ion: 83 Resp: 326214

Ion Ratio Lower Upper

83 100

131 10.7 5.1 15.4

85 64.5 31.9 95.7



#76

1,2,3-Trichloropropane

Concen: 94.373 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW014623.D

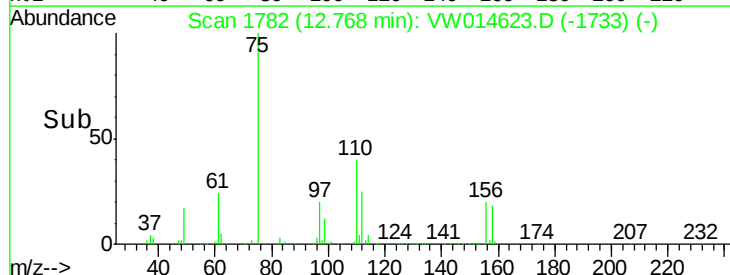
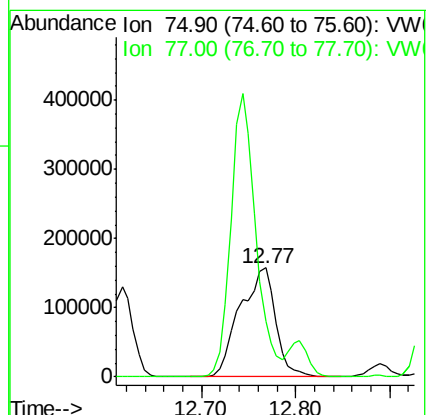
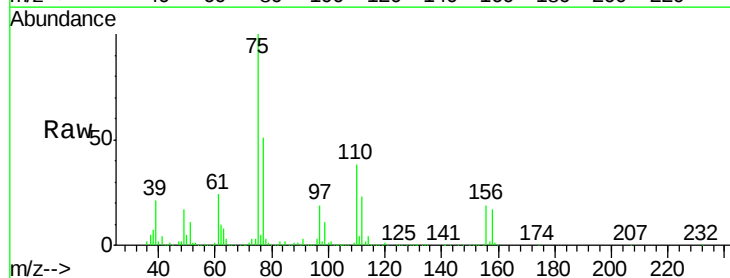
Acq: 13 Jan 2020 15:09

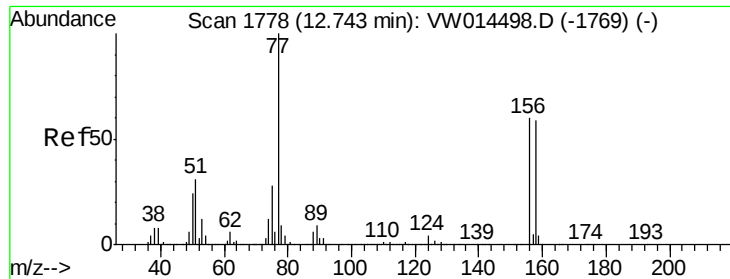
Tgt Ion: 75 Resp: 417322

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 51.776 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW014623.D

Acq: 13 Jan 2020 15:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

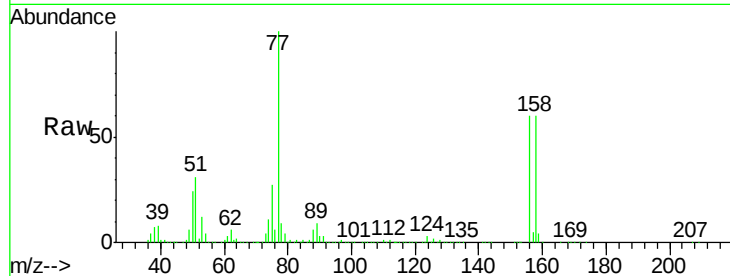
Tgt Ion:156 Resp: 412688

Ion Ratio Lower Upper

156 100

77 183.1 92.3 277.1

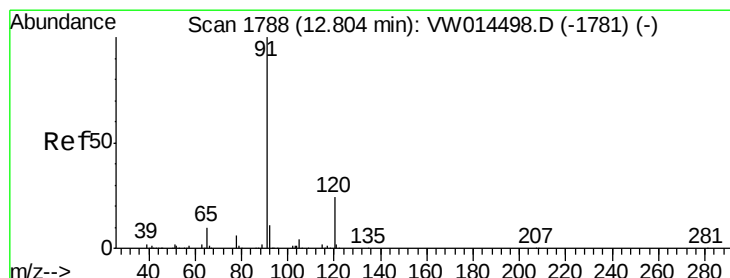
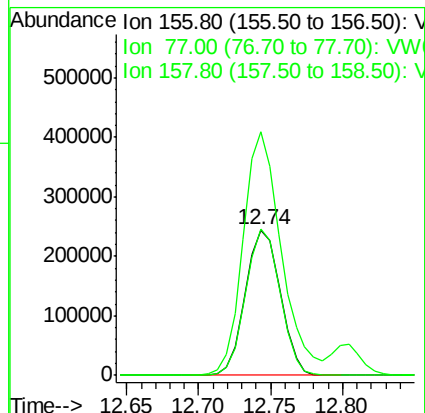
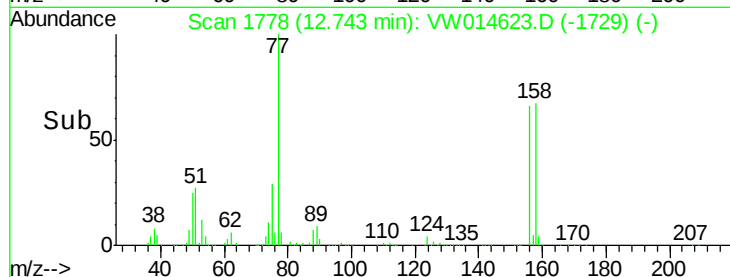
158 98.5 48.6 145.9



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: 52.147 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW014623.D

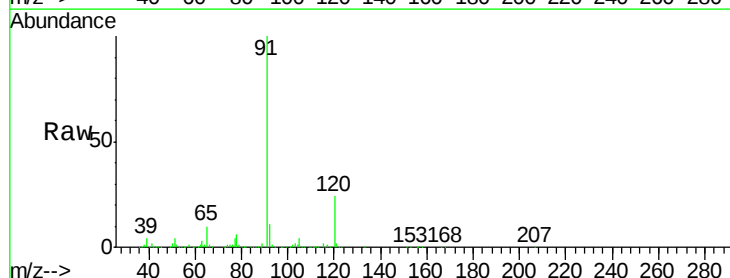
Acq: 13 Jan 2020 15:09

Tgt Ion: 91 Resp: 2104330

Ion Ratio Lower Upper

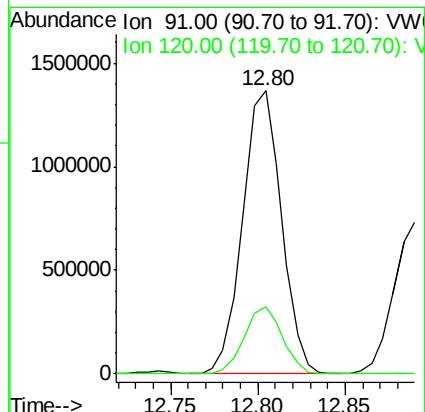
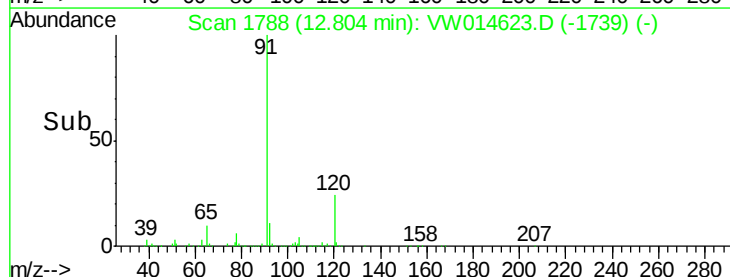
91 100

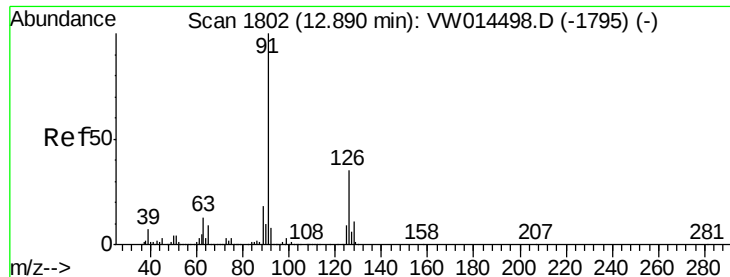
120 23.3 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.504 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW014623.D

Acq: 13 Jan 2020 15:09

Instrument :

MSVOA_W

ClientSampleId :

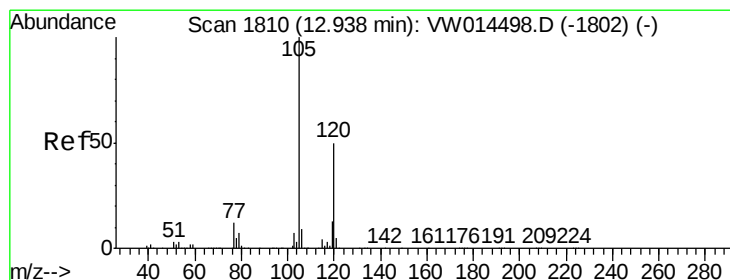
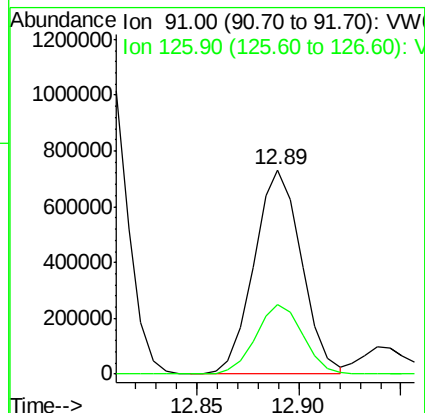
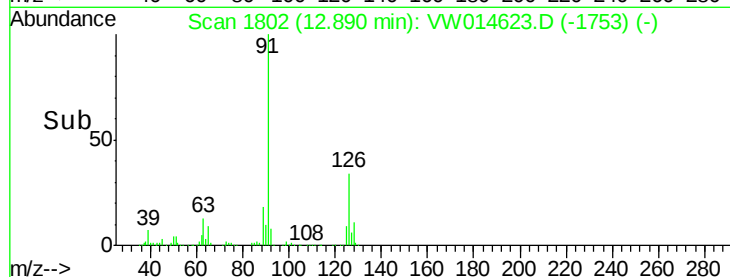
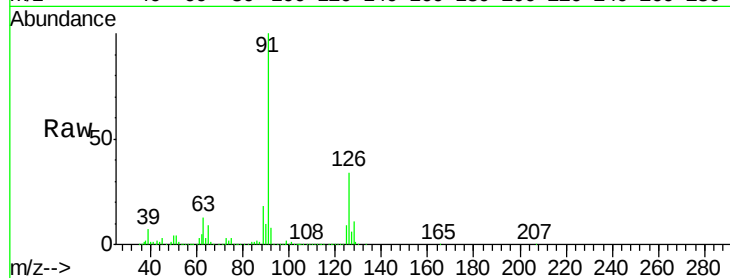
VSTDCCC050EC

Tgt Ion: 91 Resp: 1182773

Ion Ratio Lower Upper

91 100

126 33.9 17.1 51.2



#80

1,3,5-Trimethylbenzene

Concen: 52.063 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.01 min

Lab File: VW014623.D

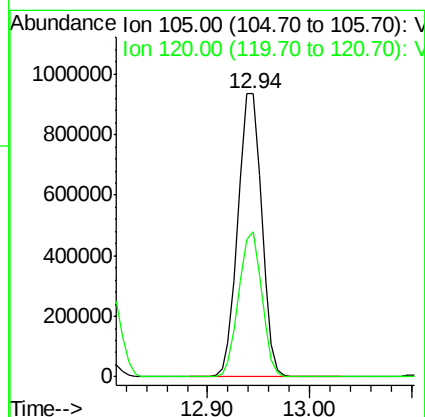
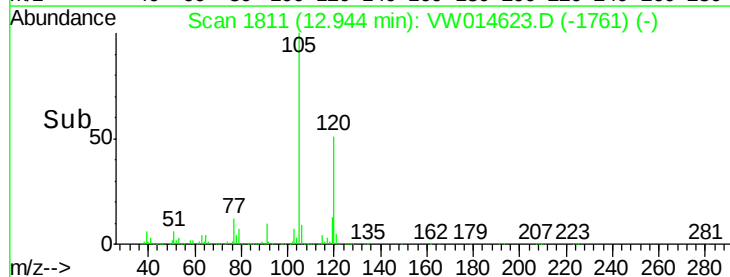
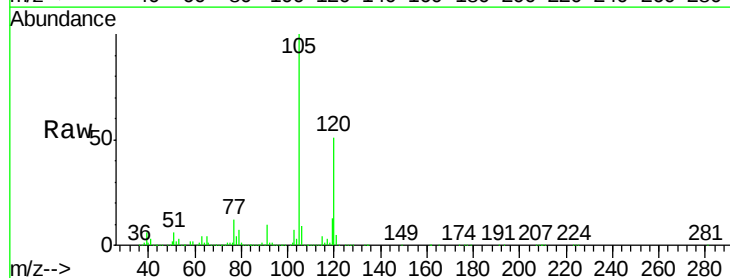
Acq: 13 Jan 2020 15:09

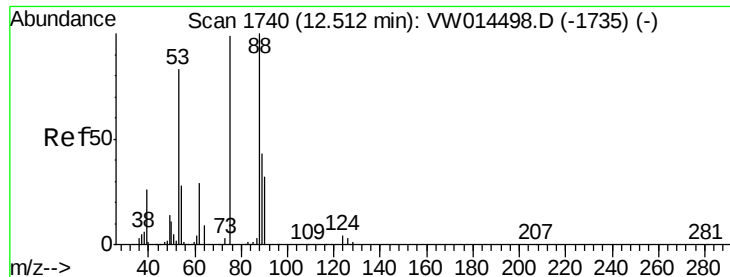
Tgt Ion: 105 Resp: 1500161

Ion Ratio Lower Upper

105 100

120 49.9 25.2 75.6





#81

trans-1,4-Dichloro-2-butene

Concen: 53.905 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW014623.D

Acq: 13 Jan 2020 15:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

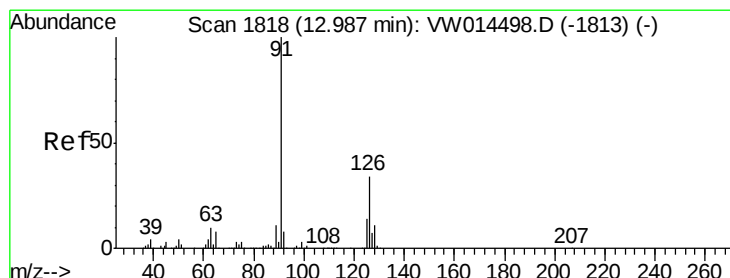
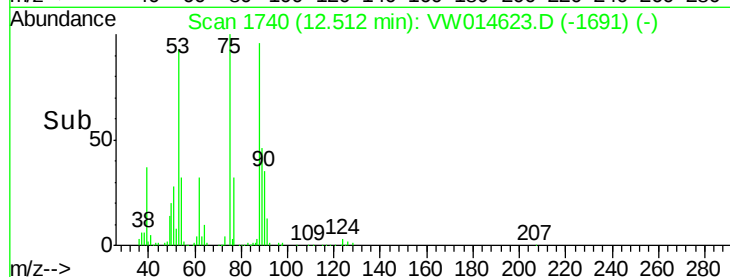
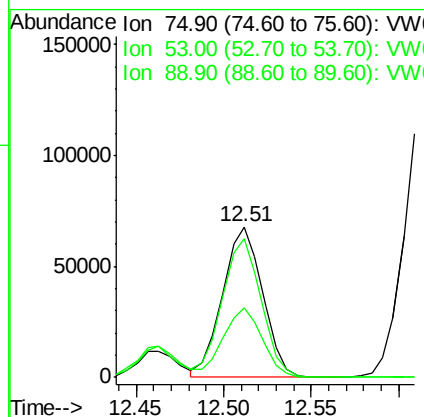
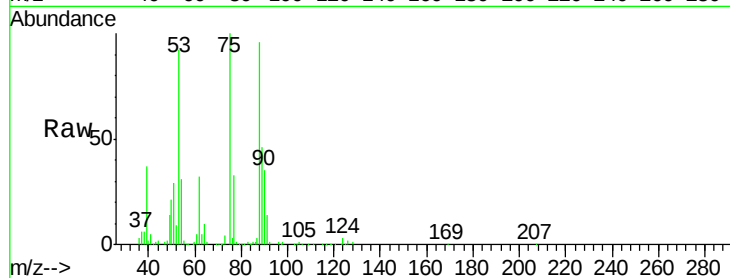
Tgt Ion: 75 Resp: 106986

Ion Ratio Lower Upper

75 100

53 91.2 70.9 106.3

89 44.6 35.8 53.8



#82

4-Chlorotoluene

Concen: 51.251 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW014623.D

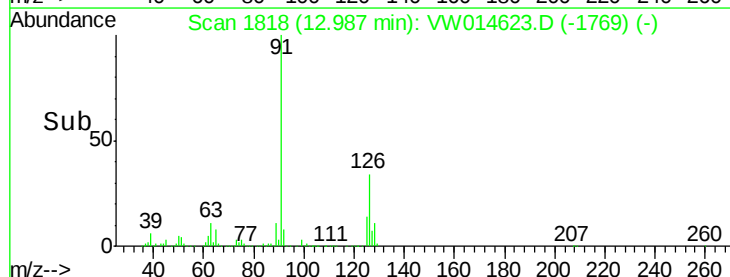
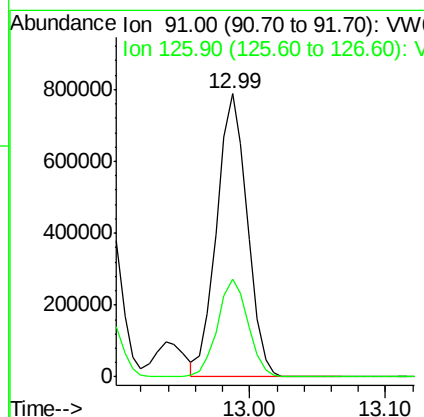
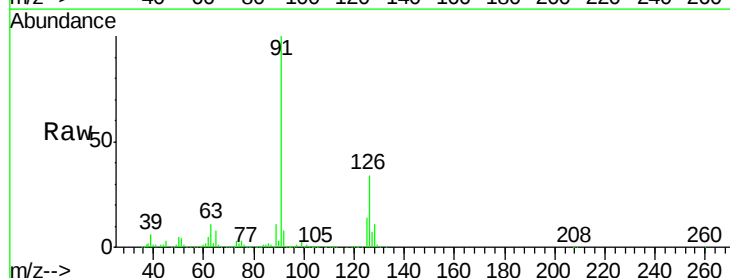
Acq: 13 Jan 2020 15:09

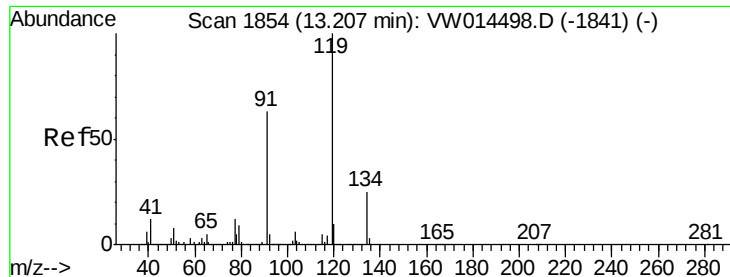
Tgt Ion: 91 Resp: 1222780

Ion Ratio Lower Upper

91 100

126 34.5 17.1 51.2

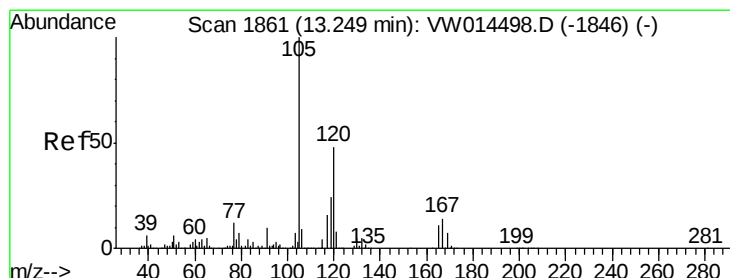
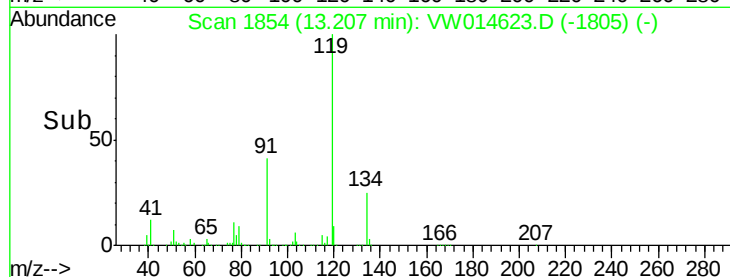
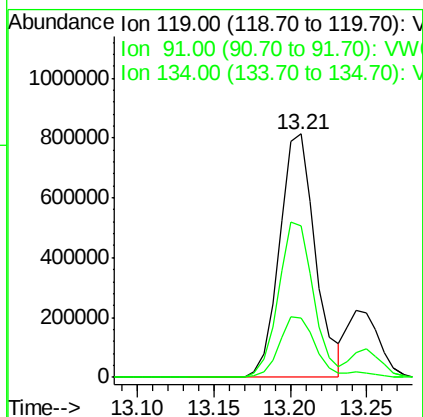
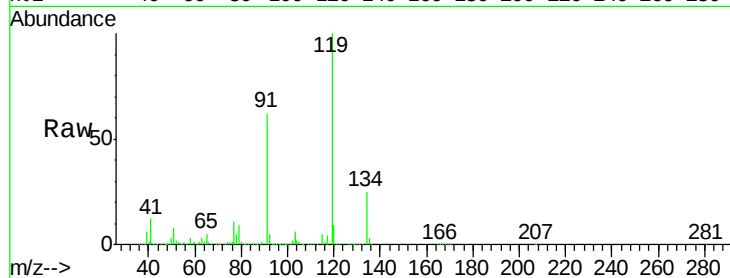




#83
 tert-Butylbenzene
 Concen: 52.287 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW014623.D
 Acq: 13 Jan 2020 15:09

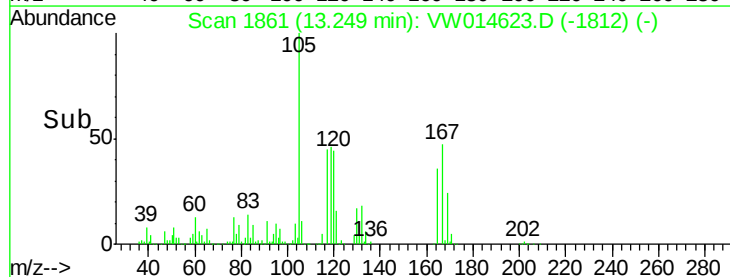
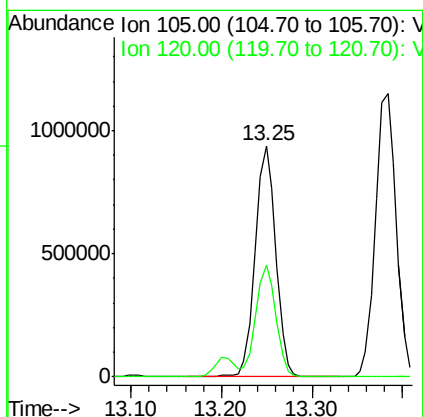
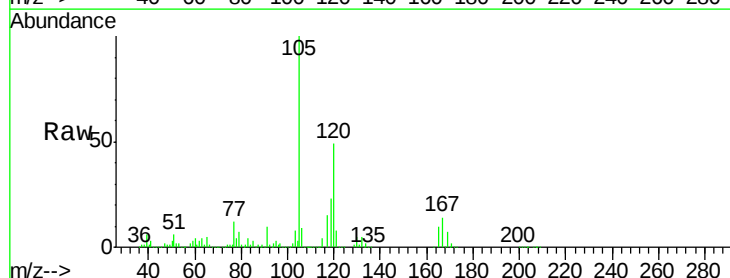
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

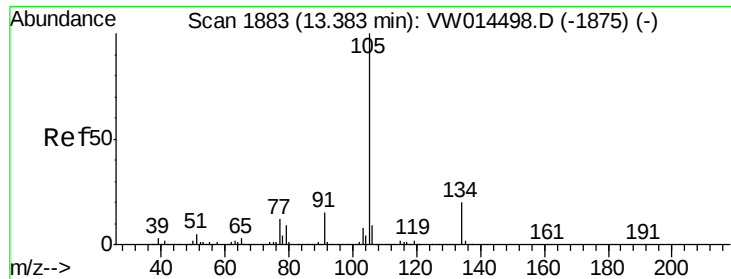
Tgt Ion:119 Resp: 1319087
 Ion Ratio Lower Upper
 119 100
 91 62.2 31.1 93.3
 134 26.7 13.5 40.5



#84
 1,2,4-Trimethylbenzene
 Concen: 51.315 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW014623.D
 Acq: 13 Jan 2020 15:09

Tgt Ion:105 Resp: 1471416
 Ion Ratio Lower Upper
 105 100
 120 47.6 23.4 70.0

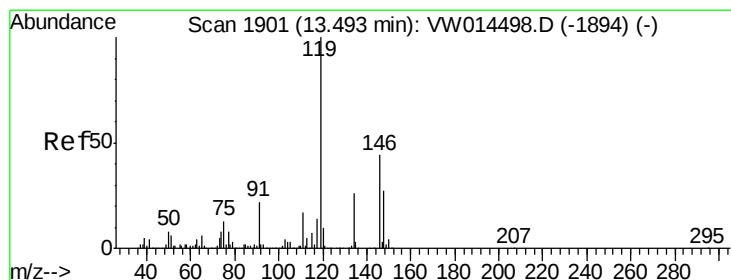
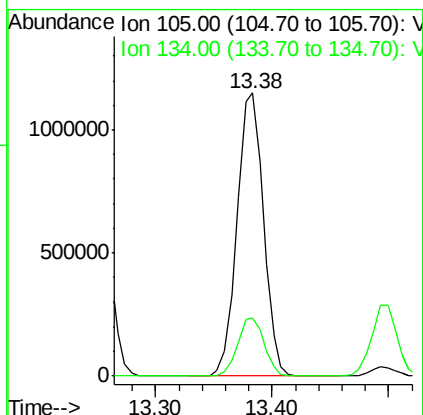
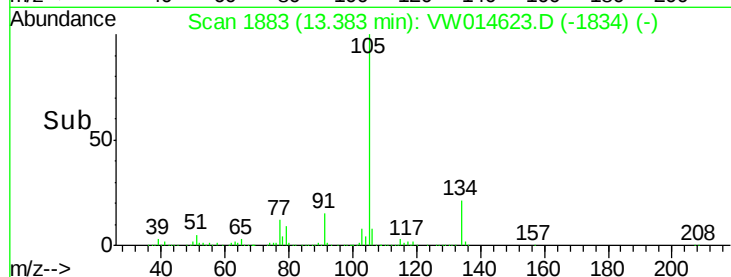
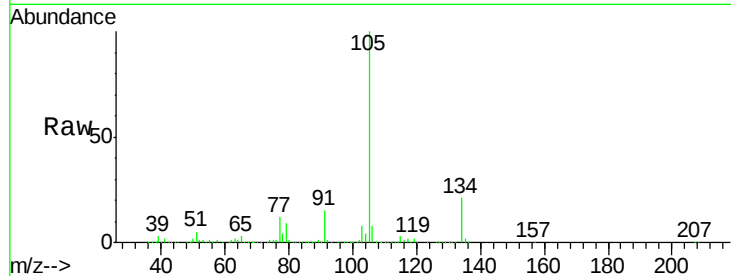




#85
 sec-Butylbenzene
 Concen: 52.265 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW014623.D
 Acq: 13 Jan 2020 15:09

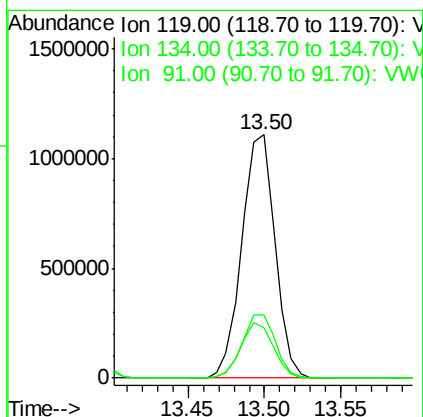
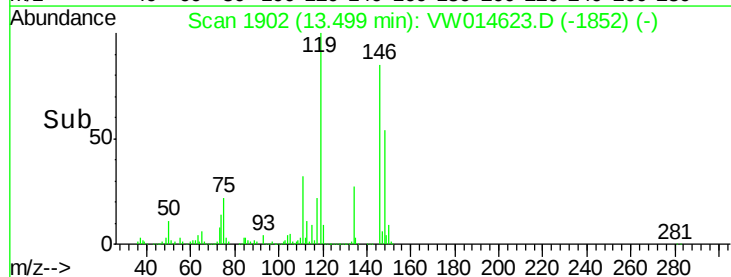
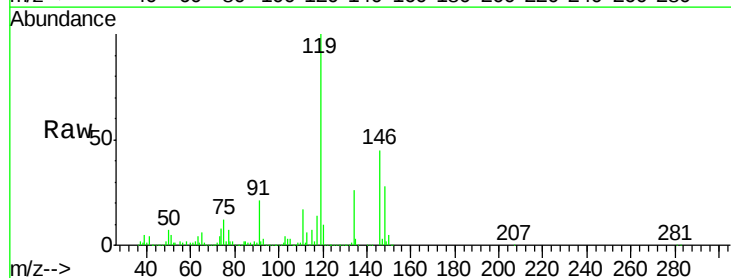
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

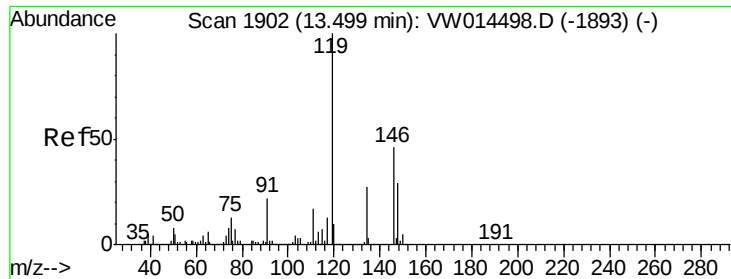
Tgt Ion:105 Resp: 1825082
 Ion Ratio Lower Upper
 105 100
 134 20.7 10.2 30.6



#86
 p-Isopropyltoluene
 Concen: 52.653 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.01 min
 Lab File: VW014623.D
 Acq: 13 Jan 2020 15:09

Tgt Ion:119 Resp: 1675890
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.2 39.5
 91 22.3 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 51.639 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW014623.D

Acq: 13 Jan 2020 15:09

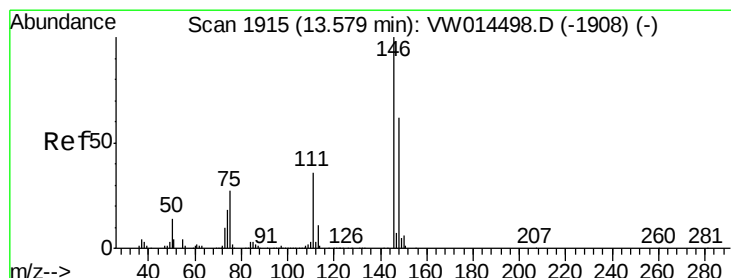
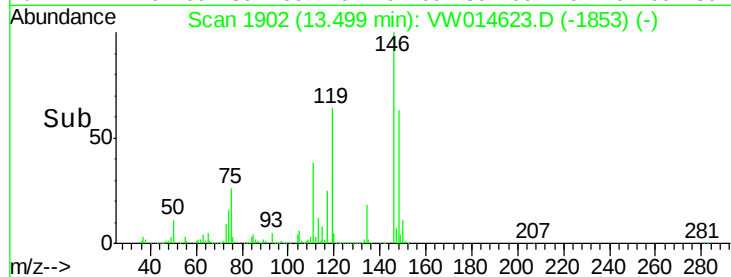
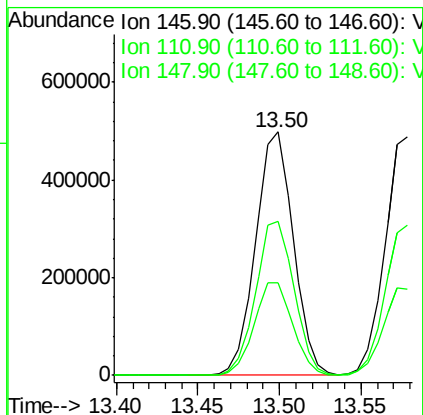
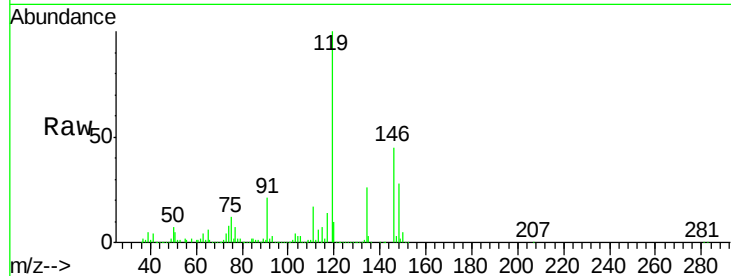
Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tgt Ion:	146	Resp:	800375
Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.3	57.9
148	64.2	31.8	95.4



#88

1,4-Dichlorobenzene

Concen: 51.612 ug/l

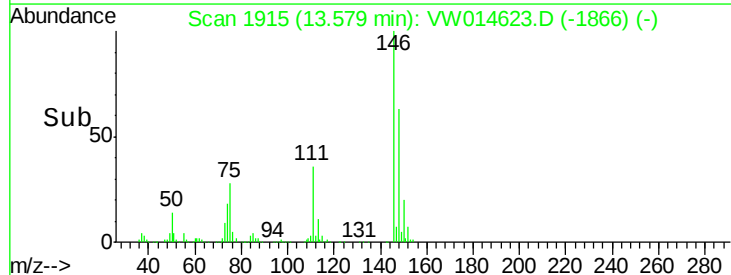
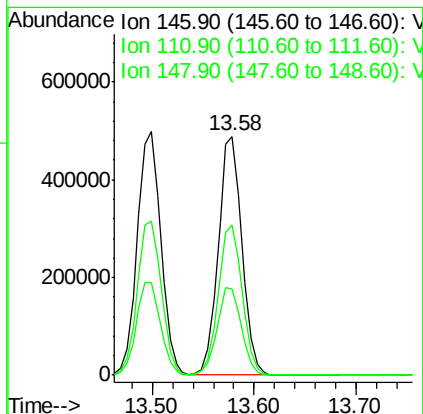
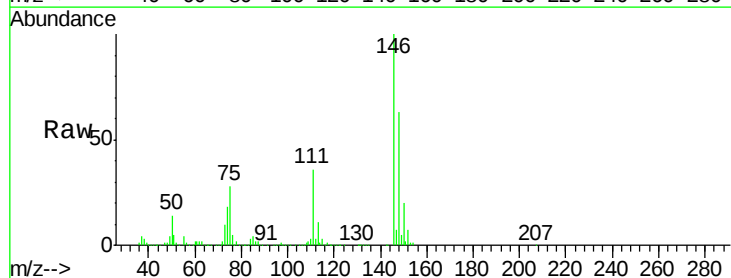
RT: 13.58 min Scan# 1915

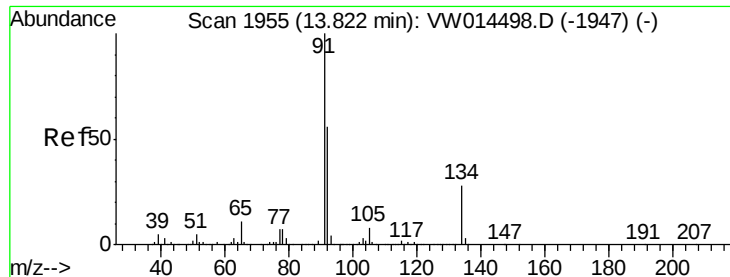
Delta R.T. -0.00 min

Lab File: VW014623.D

Acq: 13 Jan 2020 15:09

Tgt Ion:	146	Resp:	789753
Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.7	56.1
148	63.7	31.7	95.1





#89

n-Butylbenzene

Concen: 53.783 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW014623.D

Acq: 13 Jan 2020 15:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

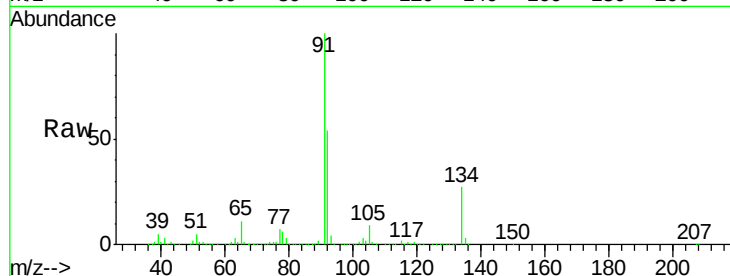
Tgt Ion: 91 Resp: 1589688

Ion Ratio Lower Upper

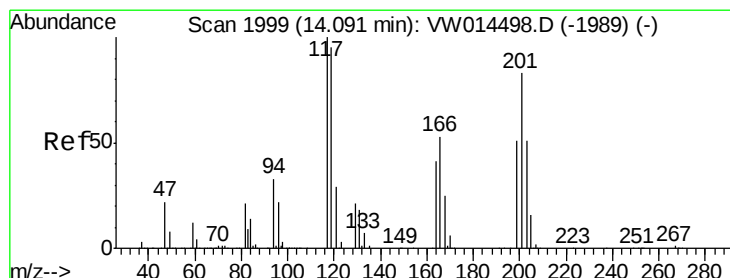
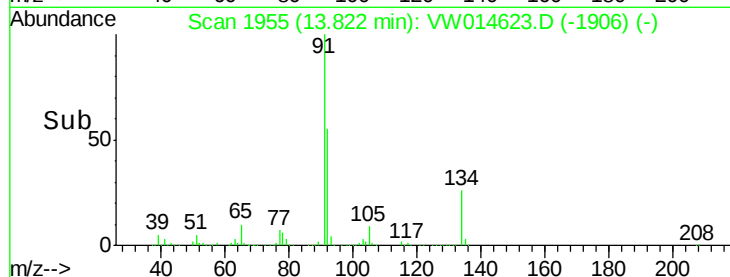
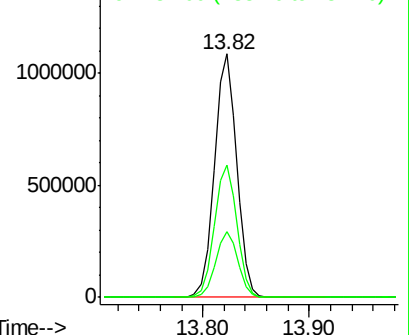
91 100

92 54.9 27.5 82.5

134 27.0 13.7 41.1



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 92.00 (91.70 to 92.70): VW
Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 52.357 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW014623.D

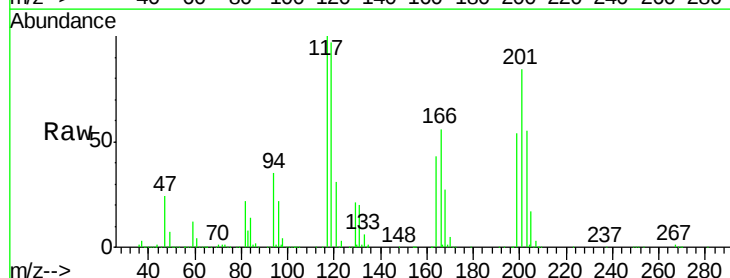
Acq: 13 Jan 2020 15:09

Tgt Ion: 117 Resp: 291120

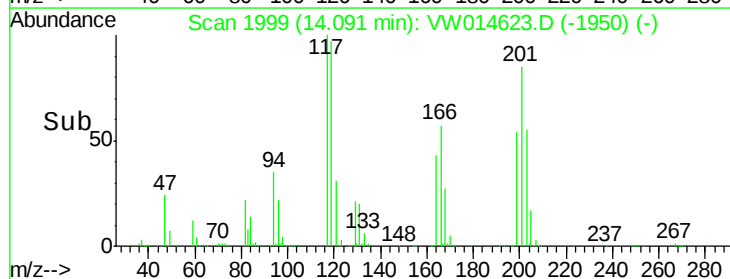
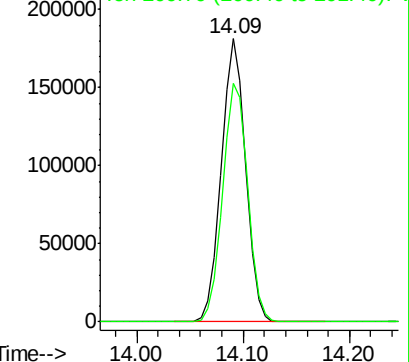
Ion Ratio Lower Upper

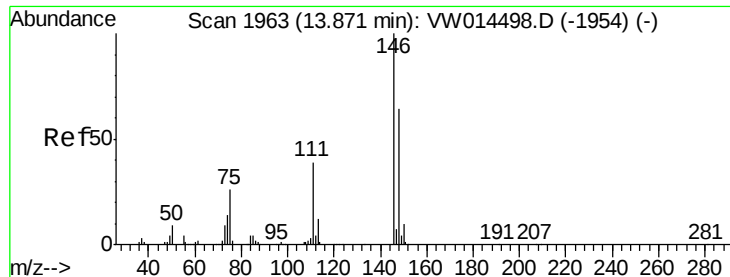
117 100

201 86.7 43.0 128.8



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

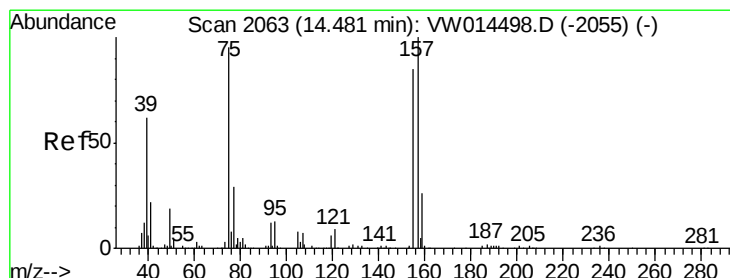
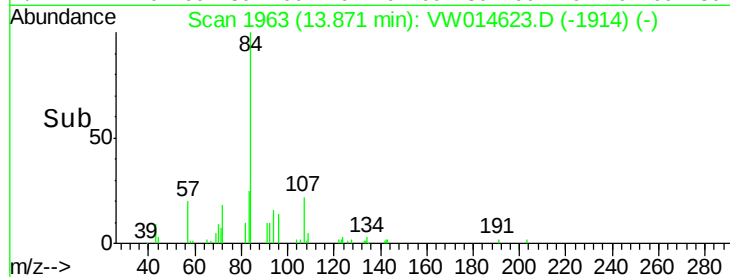
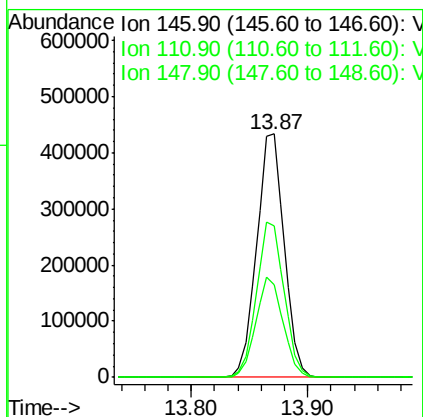
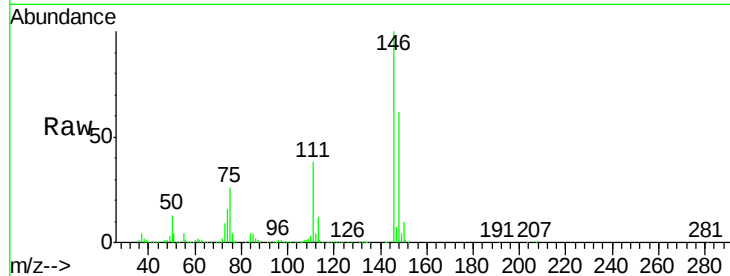




#91
 1,2-Dichlorobenzene
 Concen: 52.651 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW014623.D
 Acq: 13 Jan 2020 15:09

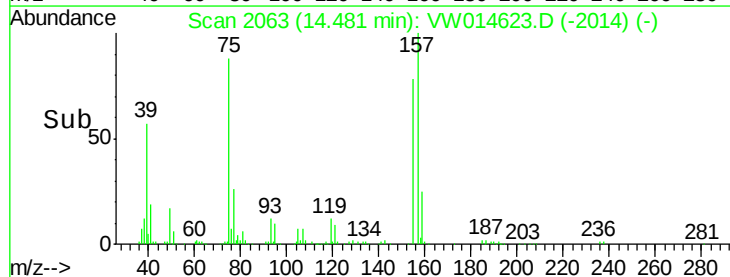
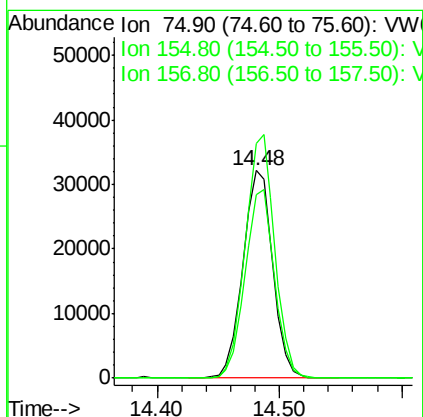
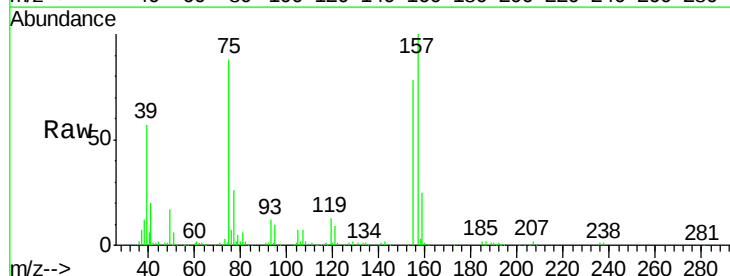
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

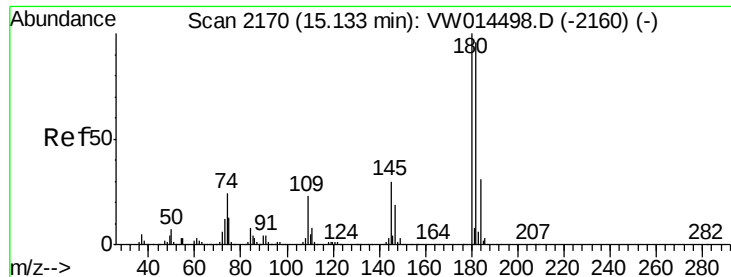
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.4	61.3
148	63.7	32.3	96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.717 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW014623.D
 Acq: 13 Jan 2020 15:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.2	45.8	137.4
157	115.4	58.1	174.2

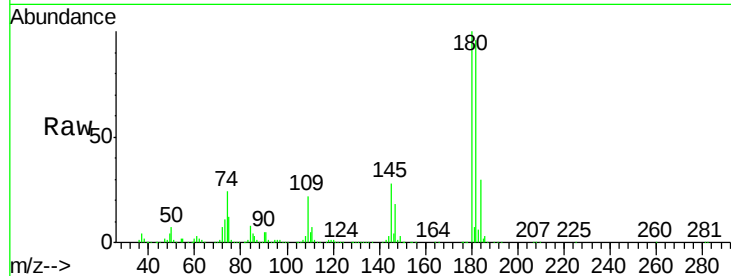




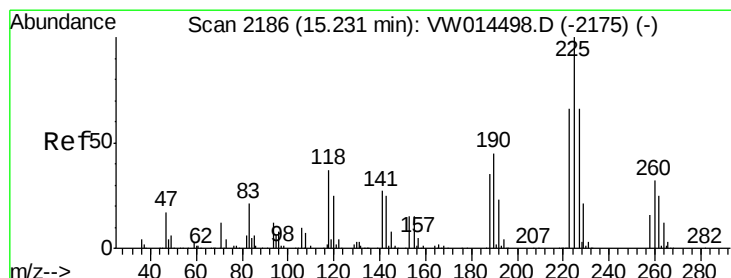
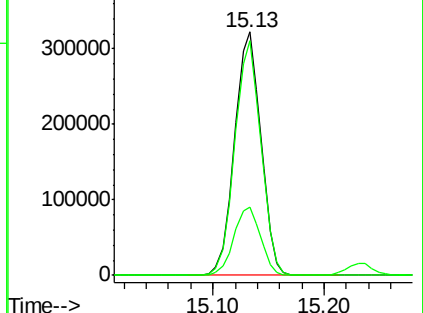
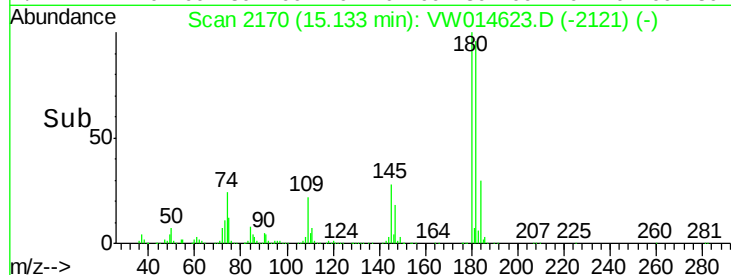
#93
 1,2,4-Trichlorobenzene
 Concen: 57.304 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW014623.D
 Acq: 13 Jan 2020 15:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:180 Resp: 527162
 Ion Ratio Lower Upper
 180 100
 182 95.9 47.3 141.8
 145 28.6 14.7 44.1

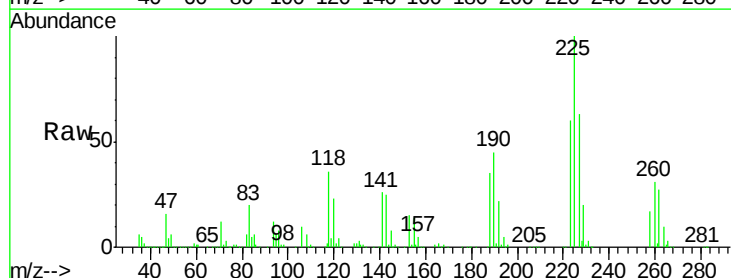


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

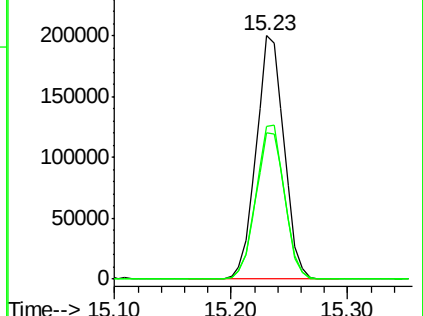
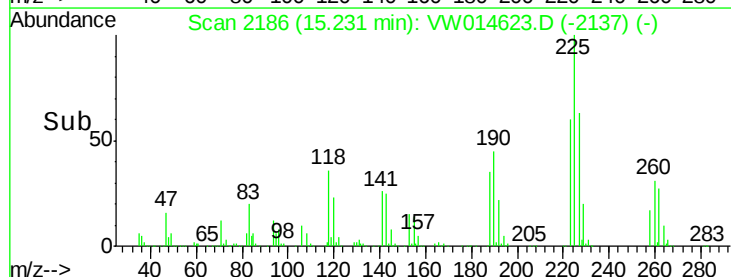


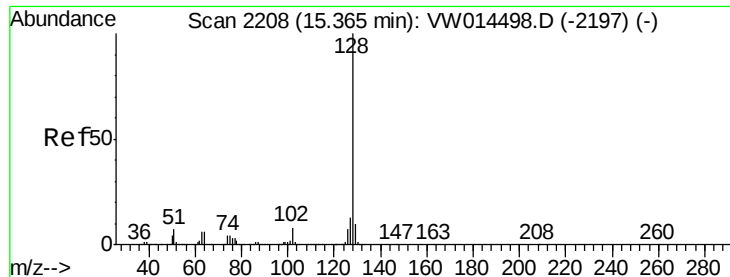
#94
 Hexachlorobutadiene
 Concen: 54.193 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. -0.00 min
 Lab File: VW014623.D
 Acq: 13 Jan 2020 15:09

Tgt Ion:225 Resp: 334097
 Ion Ratio Lower Upper
 225 100
 223 62.6 32.4 97.2
 227 64.5 32.6 97.8



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

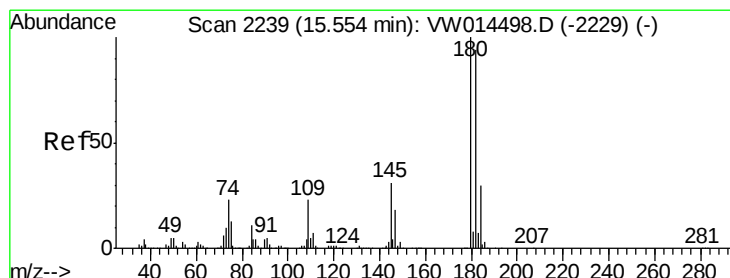
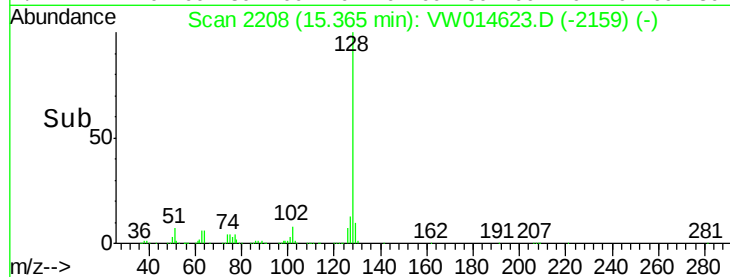
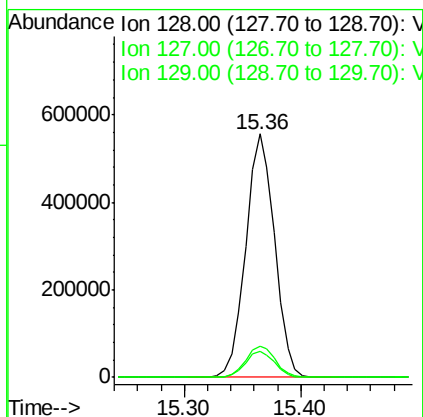
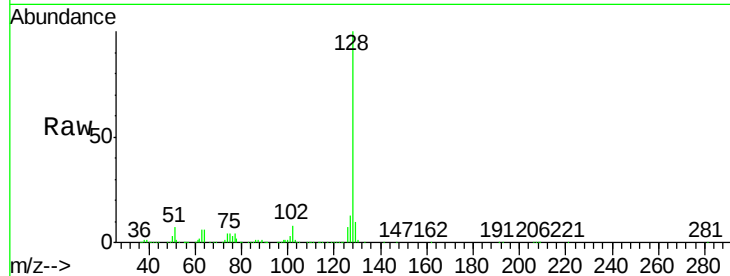




#95
Naphthalene
Concen: 61.224 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW014623.D
Acq: 13 Jan 2020 15:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 960558
Ion Ratio Lower Upper
128 100
127 13.1 10.6 15.8
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 58.020 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW014623.D
Acq: 13 Jan 2020 15:09

Tgt Ion:180 Resp: 465245
Ion Ratio Lower Upper
180 100
182 95.4 47.4 142.2
145 30.6 15.5 46.5

