

Data File : VW014975.D
Acq On : 13 Feb 2020 12:15
Operator : SY/VA
Sample : VSTDICV025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VICV306

Quant Time: Feb 14 04:21:07 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM021320SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Feb 13 12:39:02 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	814903	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	742136	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.56	152	326384	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	399701	24.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.40%
7) Chloroethane-d5	2.89	69	307977	24.63	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.52%
11) 1,1-Dichloroethene-d2	4.02	63	728851	24.76	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	99.04%
21) 2-Butanone-d5	7.07	46	191530	41.87	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	83.74%
24) Chloroform-d	7.65	84	627770	23.98	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.92%
26) 1,2-Dichloroethane-d4	8.30	65	355327	23.14	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.56%
32) Benzene-d6	8.27	84	1265650	25.31	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.24%
36) 1,2-Dichloropropane-d6	9.27	67	427903	24.88	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.52%
41) Toluene-d8	10.32	98	1100775	26.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	104.36%
43) trans-1,3-Dichloropropene-	10.57	79	158255	24.22	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.88%
47) 2-Hexanone-d5	10.92	63	138688	45.33	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.66%
56) 1,1,2,2-Tetrachloroethane-	12.69	84	280277	21.84	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	87.36%
66) 1,2-Dichlorobenzene-d4	13.85	152	302664	24.64	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.56%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	186164	22.996	ug/L	# 85
3) Chloromethane	2.21	50	377126	24.771	ug/L	99
5) Vinyl chloride	2.37	62	474967	24.236	ug/L	98
6) Bromomethane	2.78	94	214547	24.135	ug/L	100
8) Chloroethane	2.93	64	258451	24.650	ug/L	99
9) Trichlorofluoromethane	3.26	101	185783	24.004	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	4.07	101	306953	24.239	ug/L	99
12) 1,1-Dichloroethene	4.04	96	302861	24.938	ug/L	90
13) Acetone	4.12	43	203714	42.665	ug/L	98
14) Carbon disulfide	4.38	76	1078254	24.560	ug/L	100
15) Methyl Acetate	4.67	43	179636	21.682	ug/L	99
16) Methylene chloride	4.92	84	341384	22.672	ug/L	100
17) trans-1,2-Dichloroethene	5.42	96	316669	25.842	ug/L	99
18) Methyl tert-butyl Ether	5.42	73	395234	26.132	ug/L	99
19) 1,1-Dichloroethane	6.21	63	695121	25.395	ug/L	96
20) cis-1,2-Dichloroethene	7.16	96	329270	26.071	ug/L	98
22) 2-Butanone	7.16	43	252277	43.951	ug/L	99

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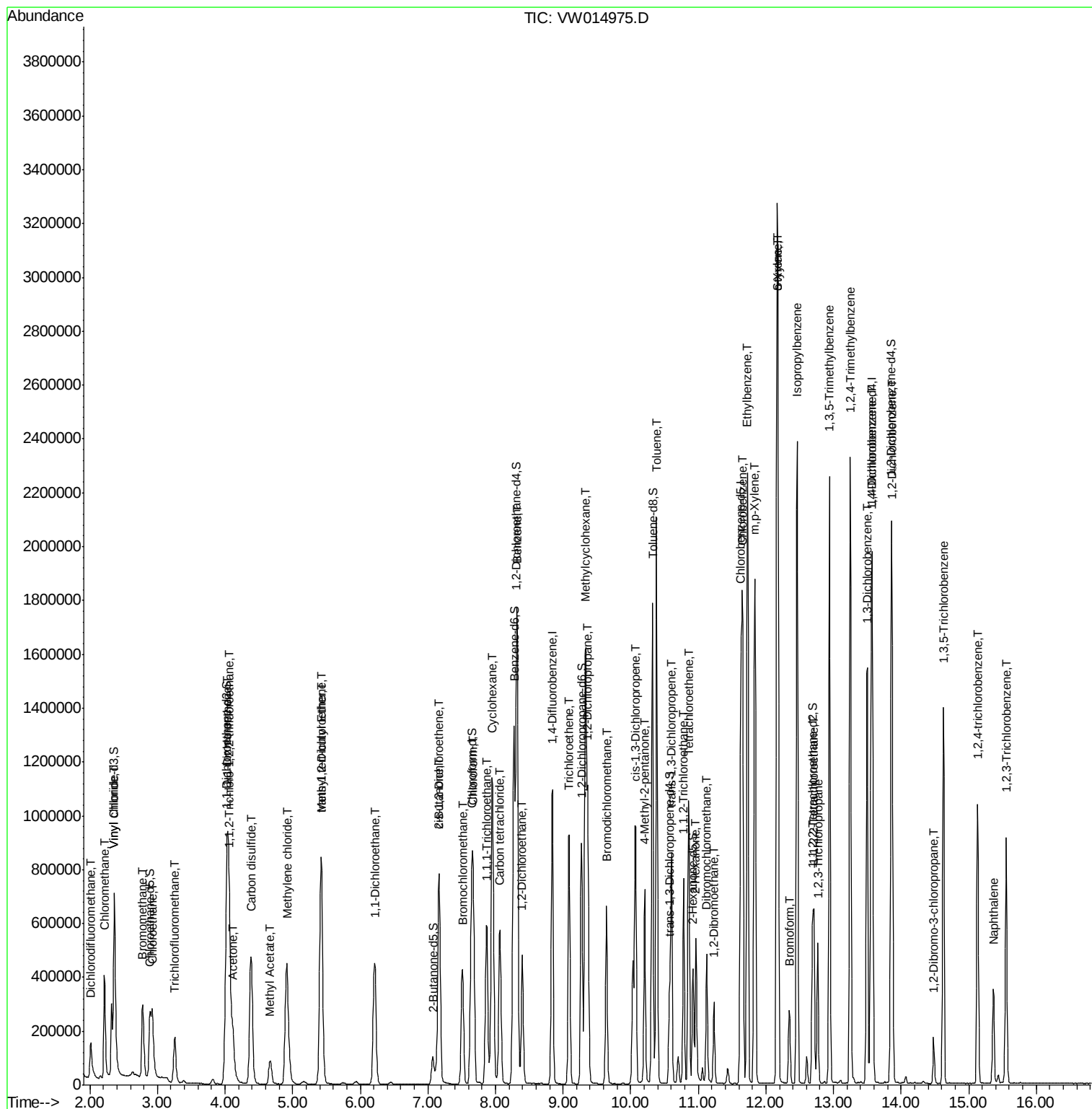
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	123273	24.064	ug/L	91
25) Chloroform	7.67	83	611774	25.084	ug/L	98
27) 1,2-Dichloroethane	8.40	62	432713	24.142	ug/L	100
29) Cyclohexane	7.95	56	665331	27.495	ug/L	99
30) 1,1,1-Trichloroethane	7.87	97	464050	25.706	ug/L	99
31) Carbon tetrachloride	8.07	117	413896	25.436	ug/L	100
33) Benzene	8.32	78	1435551	26.346	ug/L	100
34) Trichloroethene	9.09	95	334509	25.633	ug/L	98
35) Methylcyclohexane	9.34	83	582413	25.876	ug/L	98
37) 1,2-Dichloropropane	9.37	63	395147	25.965	ug/L	100
38) Bromodichloromethane	9.64	83	431887	25.203	ug/L	99
39) cis-1,3-Dichloropropene	10.07	75	543087	26.674	ug/L	100
40) 4-Methyl-2-pentanone	10.21	43	504339	46.550	ug/L	100
42) Toluene	10.38	91	1429665	27.154	ug/L	98
44) trans-1,3-Dichloropropene	10.60	75	434959	25.752	ug/L	98
45) 1,1,2-Trichloroethane	10.79	97	222553	24.107	ug/L	98
46) Tetrachloroethene	10.86	164	210925	24.890	ug/L	97
48) 2-Hexanone	10.97	43	373717	47.341	ug/L	99
49) Dibromochloromethane	11.13	129	236021	24.537	ug/L	97
50) 1,2-Dibromoethane	11.23	107	199675	23.992	ug/L	100
51) Chlorobenzene	11.66	112	800843	25.786	ug/L	99
52) Ethylbenzene	11.73	91	1564415	27.279	ug/L	99
53) m,p-Xylene	11.83	106	554290	27.546	ug/L	97
54) o-Xylene	12.16	106	525359	27.803	ug/L	97
55) Styrene	12.18	104	908348	27.886	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.71	83	283784	22.974	ug/L	99
59) Bromoform	12.35	173	115658	23.177	ug/L	99
60) Isopropylbenzene	12.46	105	1408083	27.559	ug/L	99
61) 1,2,3-Trichloropropane	12.77	75	217645	22.754	ug/L	99
62) 1,3,5-Trimethylbenzene	12.94	105	1150874	28.251	ug/L	100
63) 1,2,4-Trimethylbenzene	13.25	105	1147961	28.803	ug/L	100
64) 1,3-Dichlorobenzene	13.50	146	552235	26.218	ug/L	97
65) 1,4-Dichlorobenzene	13.58	146	553423	25.490	ug/L	99
67) 1,2-Dichlorobenzene	13.87	146	500138	25.662	ug/L	98
68) 1,2-Dibromo-3-chloropropan	14.48	75	45942	22.968	ug/L	99
69) 1,3,5-Trichlorobenzene	14.63	180	364896	25.852	ug/L	99
70) 1,2,4-trichlorobenzene	15.13	180	288588	27.275	ug/L	99
71) Naphthalene	15.36	128	281776	25.932	ug/L	99
72) 1,2,3-Trichlorobenzene	15.55	180	265756	27.106	ug/L	100

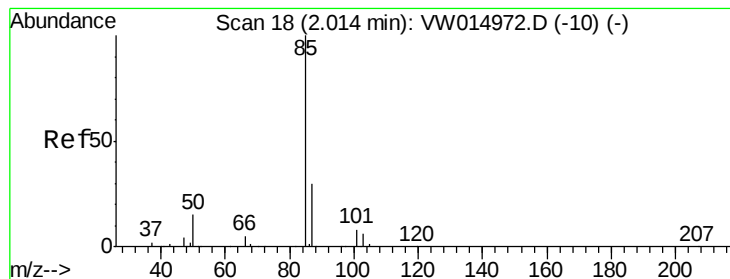
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 22.996 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW014975.D

Acq: 13 Feb 2020 12:15

Instrument :

MSVOA_W

ClientSampleId :

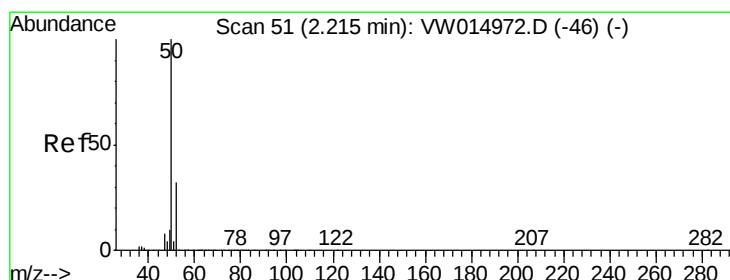
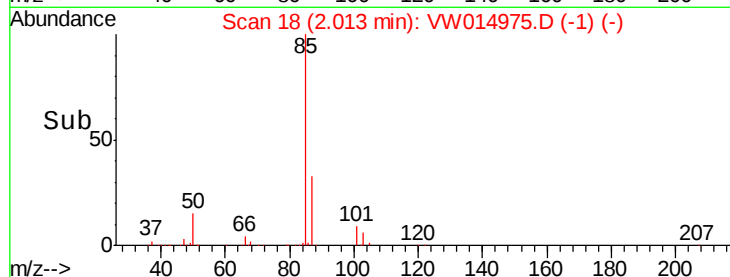
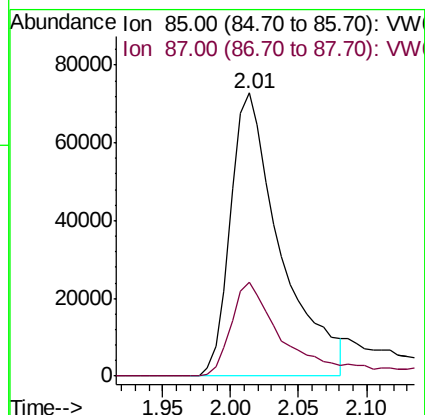
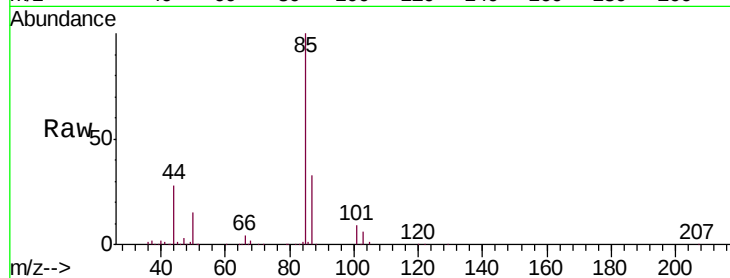
VICV306

Tgt Ion: 85 Resp: 186164

Ion Ratio Lower Upper

85 100

87 34.5 21.5 32.3#



#3

Chloromethane

Concen: 24.771 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW014975.D

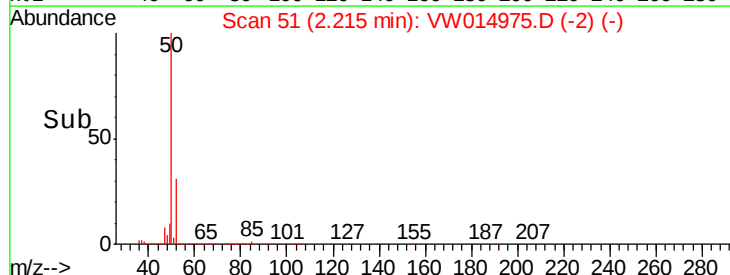
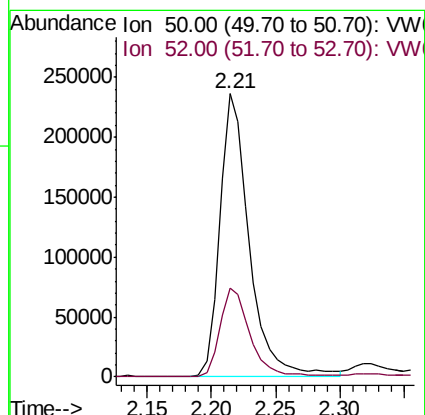
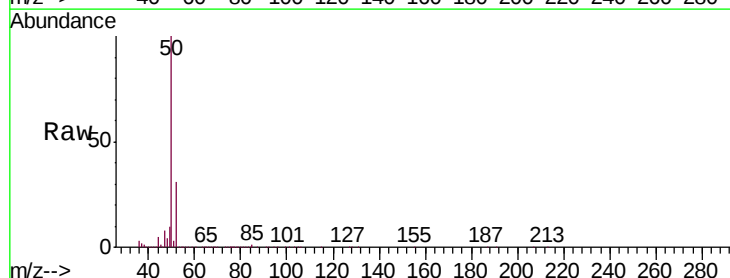
Acq: 13 Feb 2020 12:15

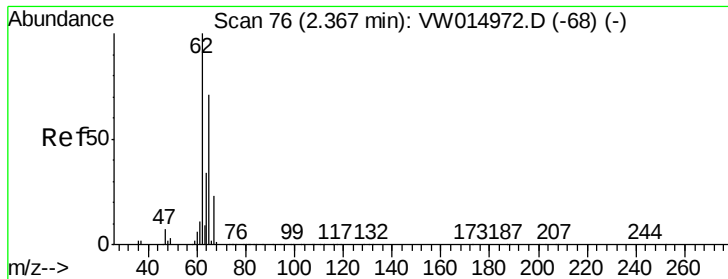
Tgt Ion: 50 Resp: 377126

Ion Ratio Lower Upper

50 100

52 31.2 22.3 41.3





#5

Vinyl chloride

Concen: 24.236 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW014975.D

Acq: 13 Feb 2020 12:15

Instrument :

MSVOA_W

ClientSampleId :

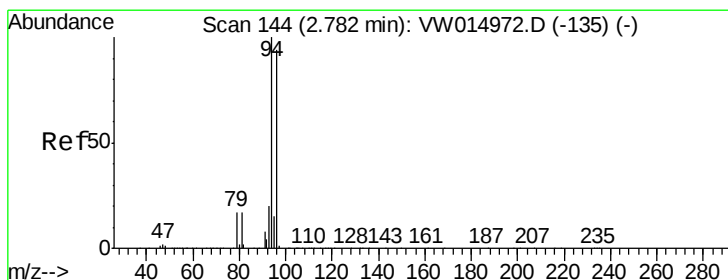
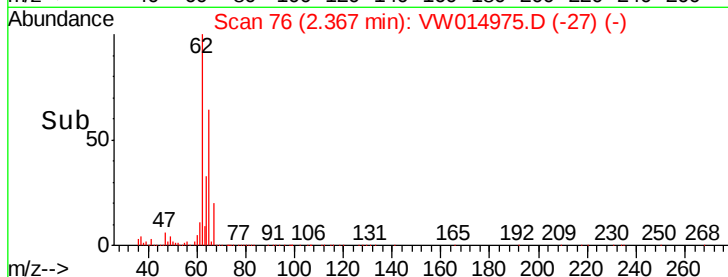
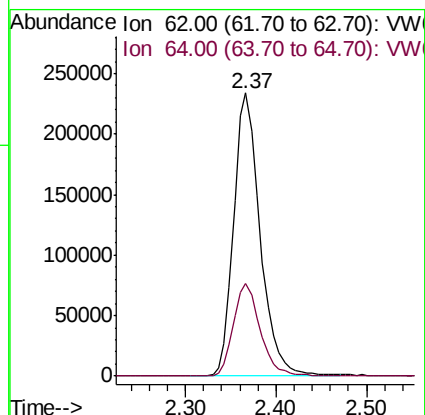
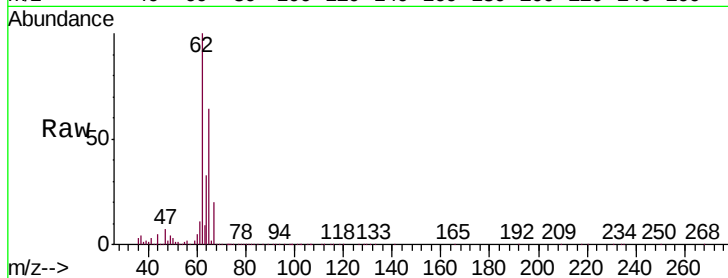
VICV306

Tgt Ion: 62 Resp: 474967

Ion Ratio Lower Upper

62 100

64 32.6 23.6 43.8



#6

Bromomethane

Concen: 24.135 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW014975.D

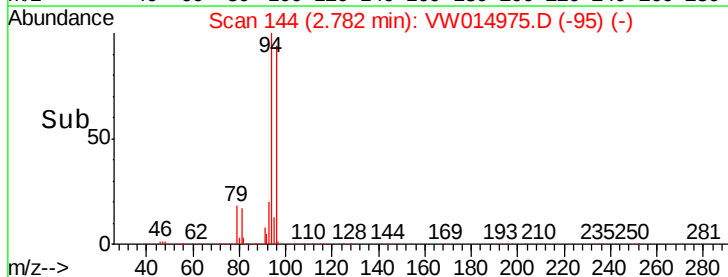
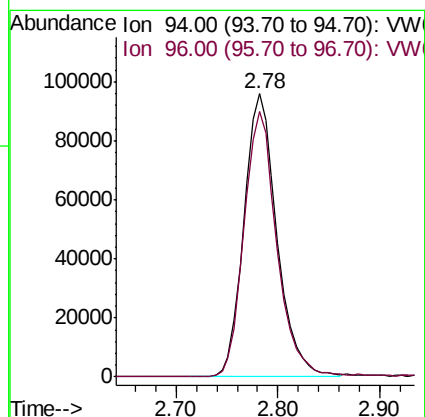
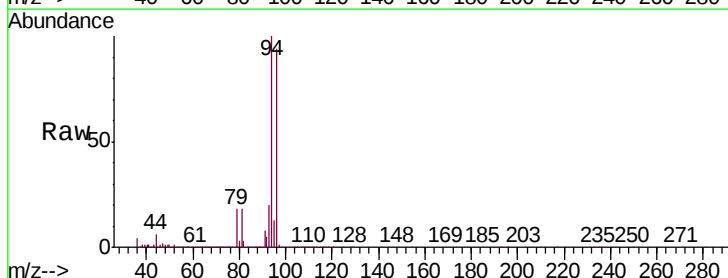
Acq: 13 Feb 2020 12:15

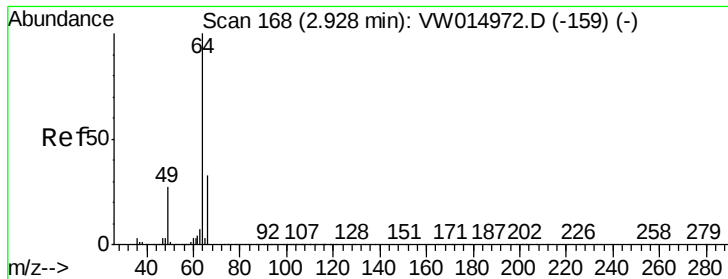
Tgt Ion: 94 Resp: 214547

Ion Ratio Lower Upper

94 100

96 93.7 65.8 122.2





#8

Chloroethane

Concen: 24.650 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW014975.D

Acq: 13 Feb 2020 12:15

Instrument :

MSVOA_W

ClientSampleId :

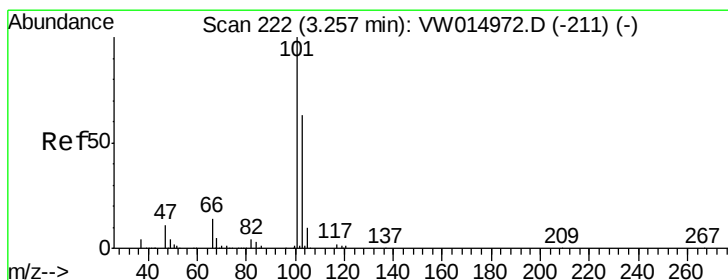
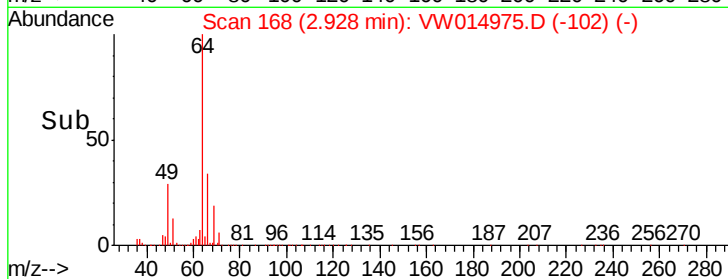
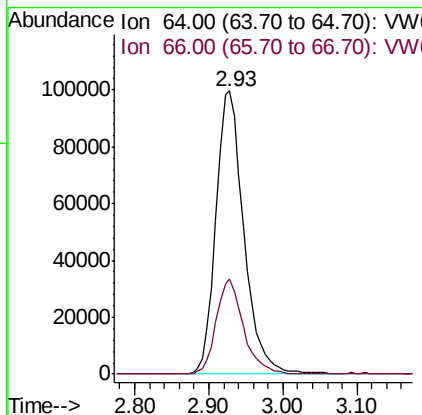
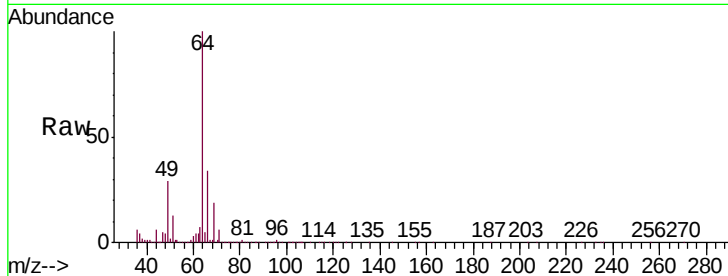
VICV306

Tgt Ion: 64 Resp: 258451

Ion Ratio Lower Upper

64 100

66 33.8 23.1 42.9



#9

Trichlorofluoromethane

Concen: 24.004 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.00 min

Lab File: VW014975.D

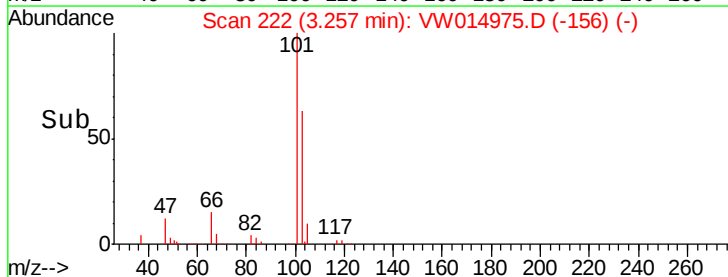
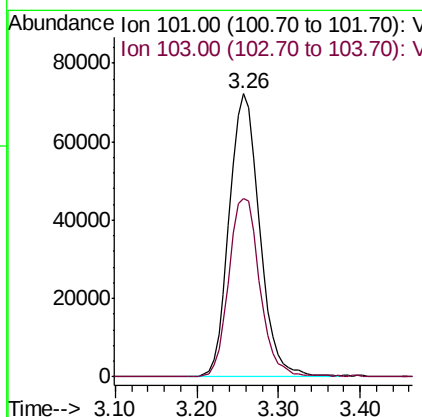
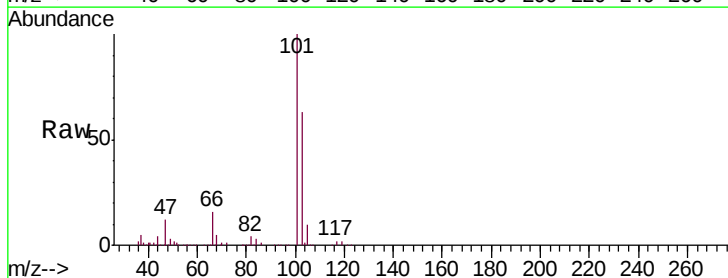
Acq: 13 Feb 2020 12:15

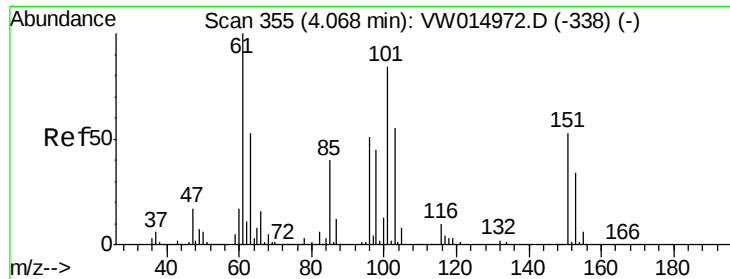
Tgt Ion: 101 Resp: 185783

Ion Ratio Lower Upper

101 100

103 63.9 51.5 77.3





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 24.239 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW014975.D

Acq: 13 Feb 2020 12:15

Instrument :

MSVOA_W

ClientSampled :

VICV306

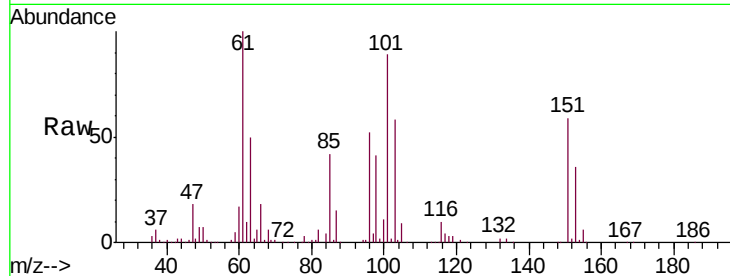
Tgt Ion: 101 Resp: 306953

Ion Ratio Lower Upper

101 100

85 46.3 36.5 54.7

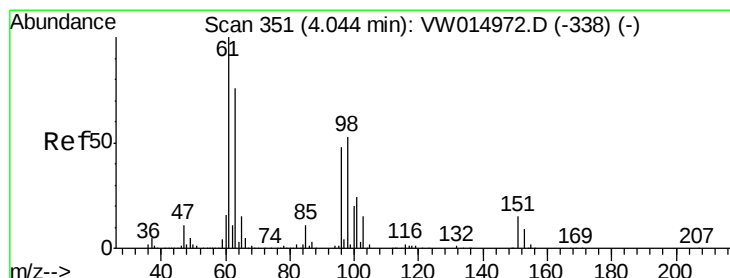
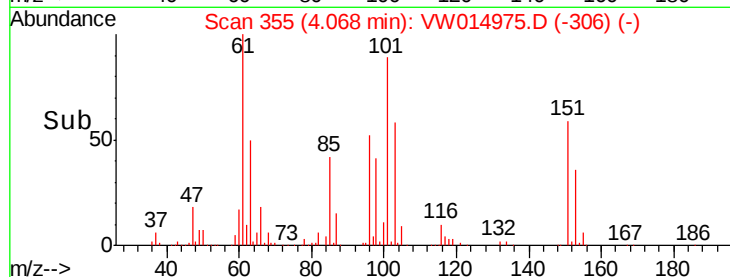
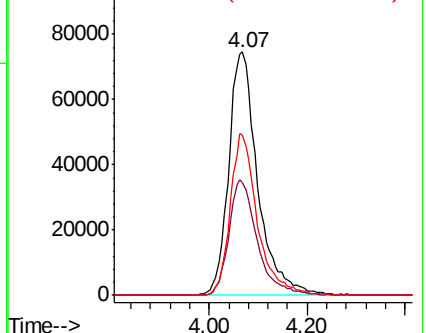
151 62.3 50.2 75.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 24.938 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.00 min

Lab File: VW014975.D

Acq: 13 Feb 2020 12:15

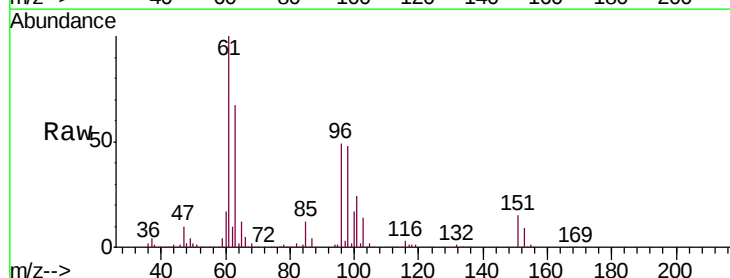
Tgt Ion: 96 Resp: 302861

Ion Ratio Lower Upper

96 100

61 204.7 147.0 273.0

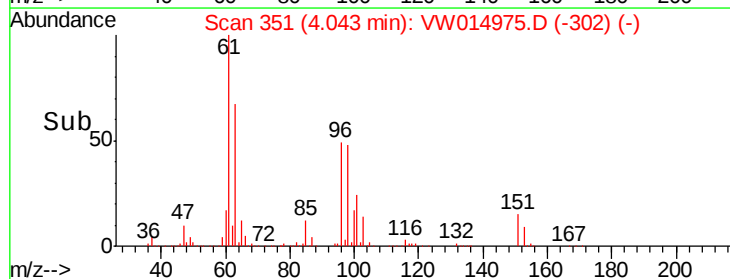
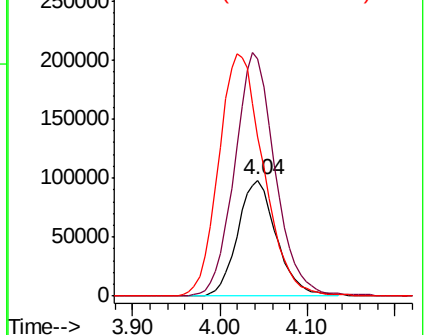
63 137.5 113.4 210.6

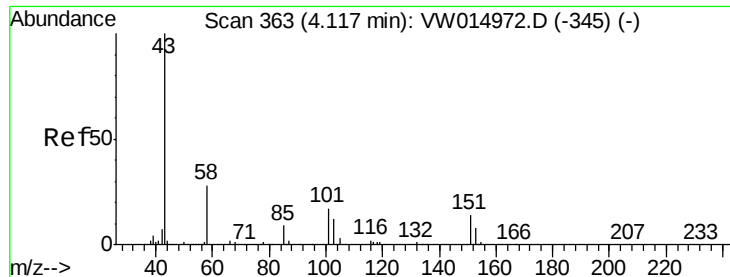


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 42.665 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

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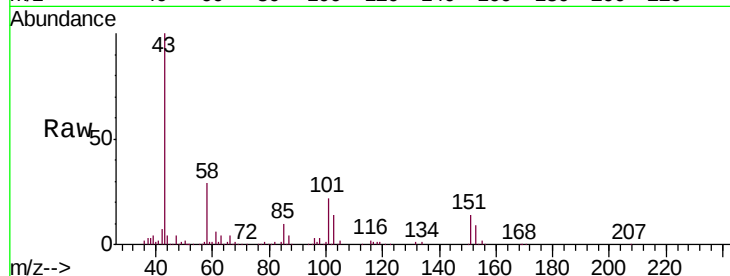
VICV306

Tgt Ion: 43 Resp: 203714

Ion Ratio Lower Upper

43 100

58 28.1 0.0 54.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

80000

60000

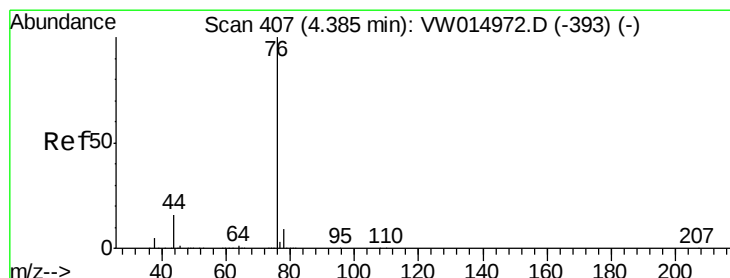
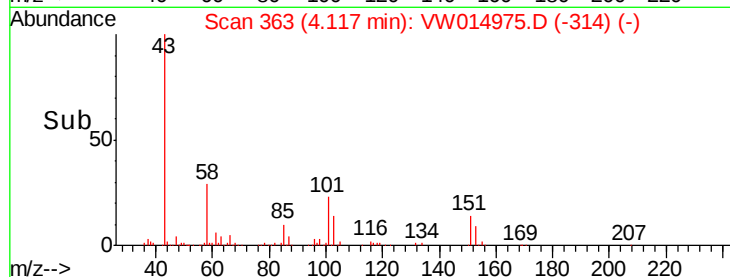
40000

20000

0

4.00 4.10 4.20

Time-->



#14

Carbon disulfide

Concen: 24.560 ug/L

RT: 4.38 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW014975.D

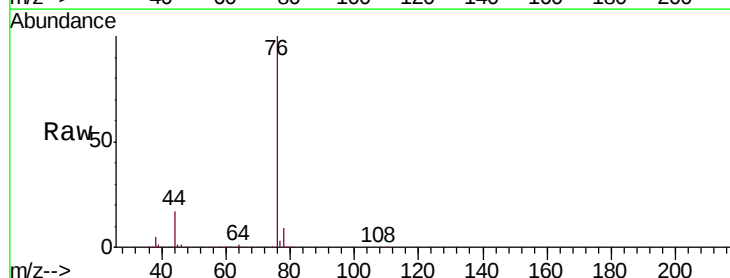
Acq: 13 Feb 2020 12:15

Tgt Ion: 76 Resp: 1078254

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

400000

300000

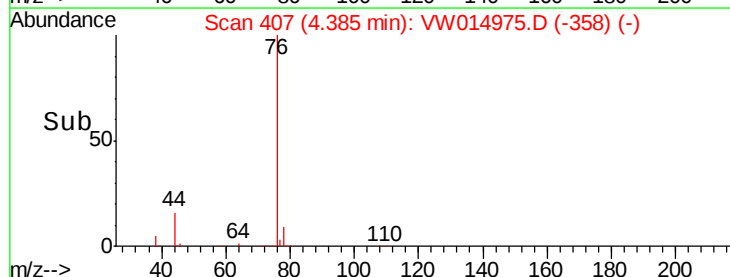
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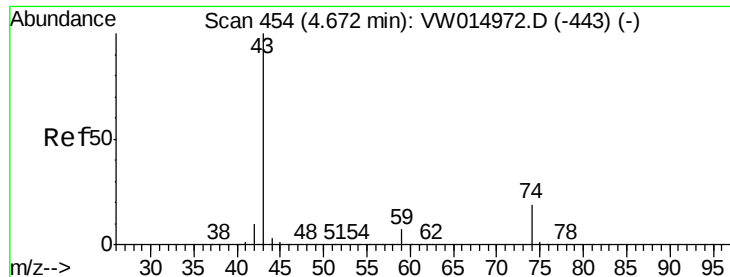
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0

4.20 4.30 4.40 4.50

Time-->

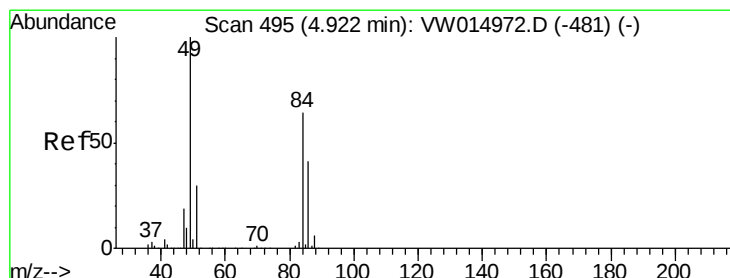
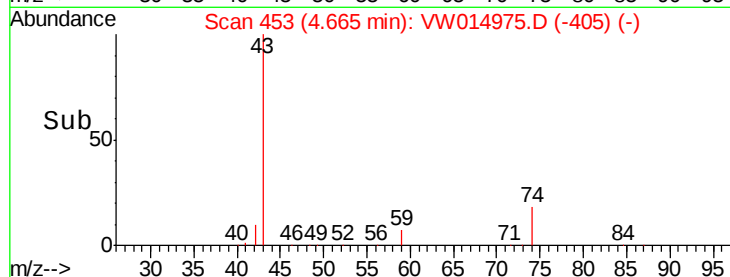
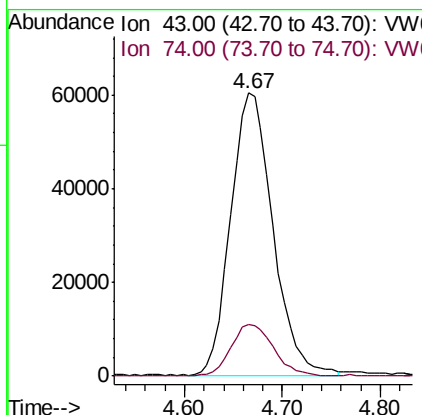
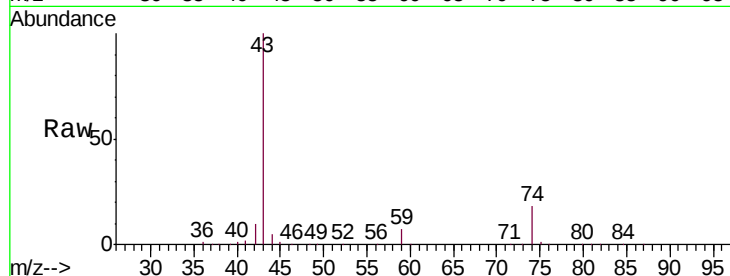




#15
Methyl Acetate
Concen: 21.682 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW014975.D
Acq: 13 Feb 2020 12:15

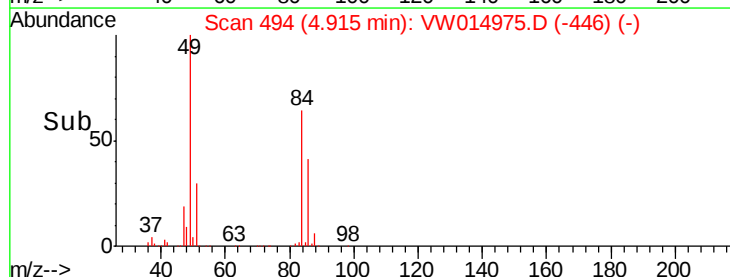
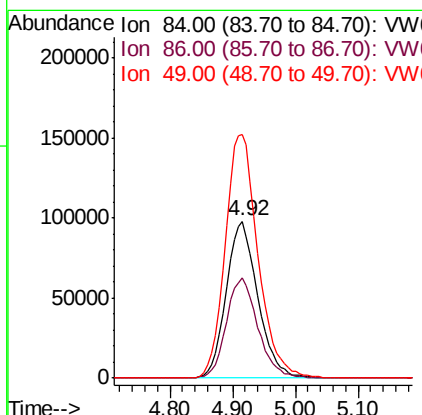
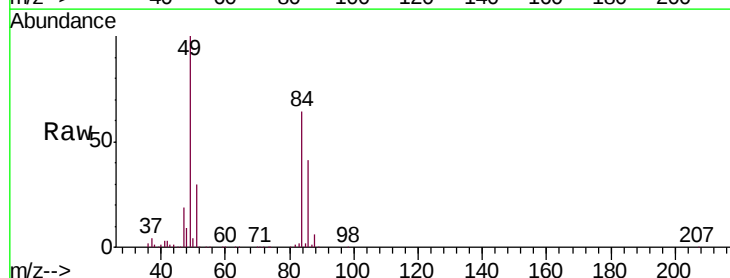
Instrument :
MSVOA_W
ClientSampleId :
VICV306

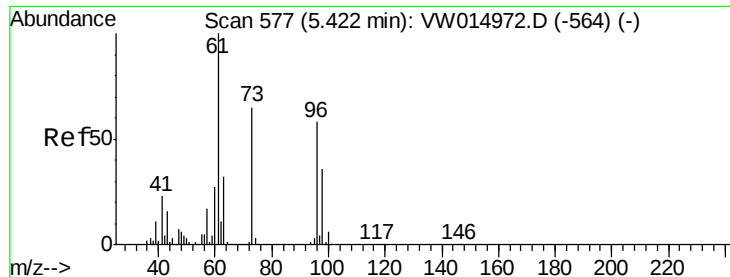
Tgt Ion: 43 Resp: 179636
Ion Ratio Lower Upper
43 100
74 18.6 14.6 21.8



#16
Methylene chloride
Concen: 22.672 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW014975.D
Acq: 13 Feb 2020 12:15

Tgt Ion: 84 Resp: 341384
Ion Ratio Lower Upper
84 100
86 63.6 44.4 82.4
49 155.4 109.0 202.4





#17

trans-1,2-Dichloroethene

Concen: 25.842 ug/L

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW014975.D

Acq: 13 Feb 2020 12:15

Instrument :

MSVOA_W

ClientSampleId :

VICV306

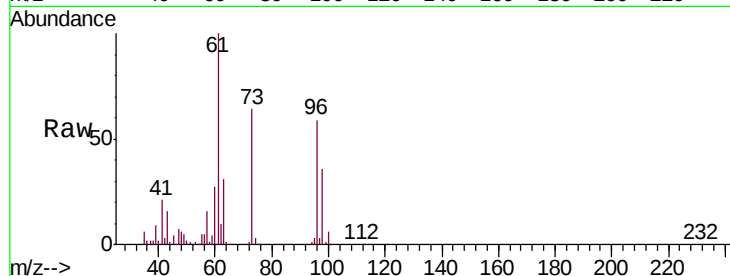
Tgt Ion: 96 Resp: 316669

Ion Ratio Lower Upper

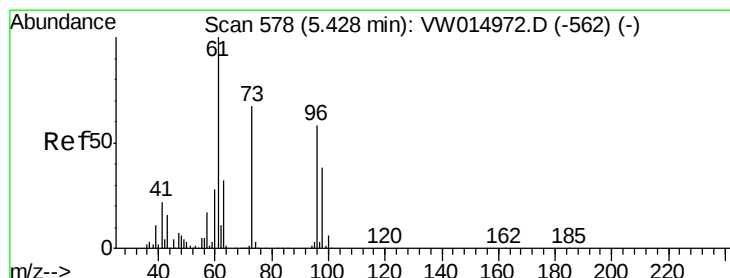
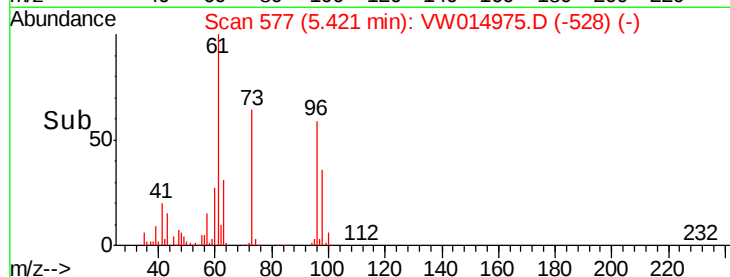
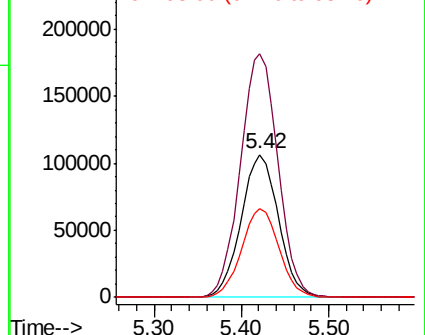
96 100

61 170.1 120.1 223.1

98 62.1 43.8 81.3



Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



#18

Methyl tert-butyl Ether

Concen: 26.132 ug/L

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW014975.D

Acq: 13 Feb 2020 12:15

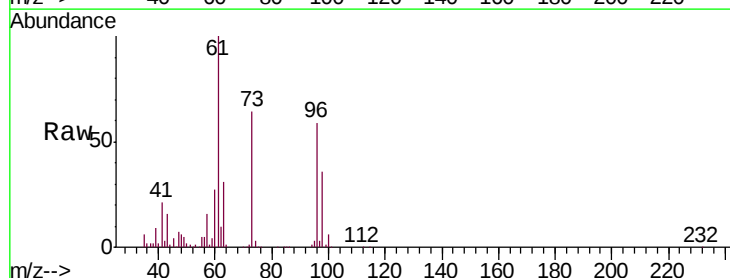
Tgt Ion: 73 Resp: 395234

Ion Ratio Lower Upper

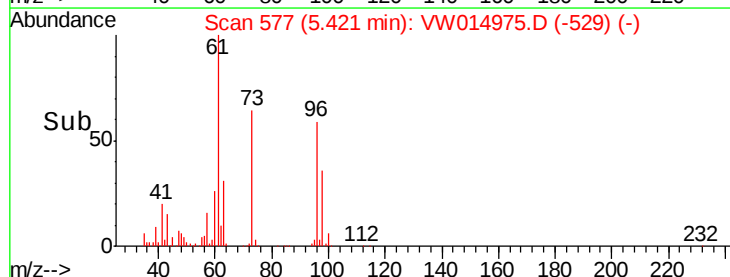
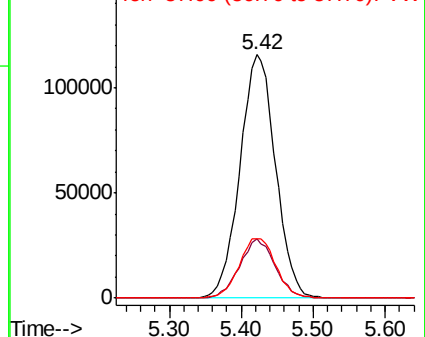
73 100

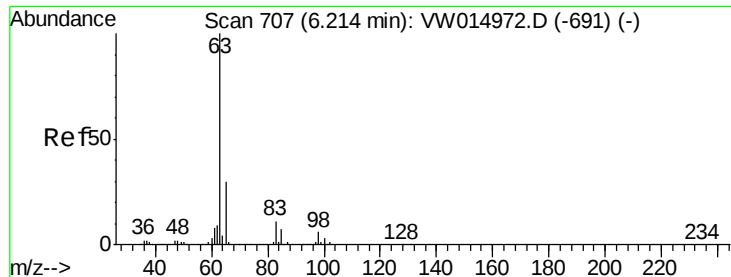
43 24.0 19.6 29.4

57 25.3 21.0 31.4



Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

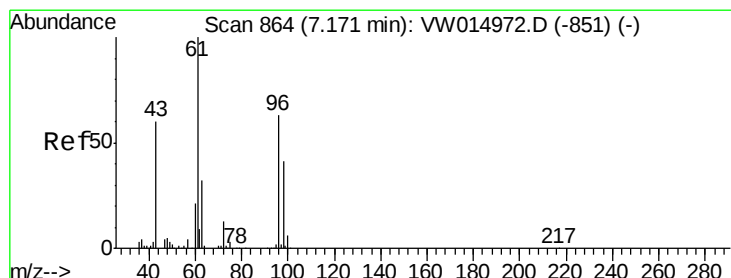
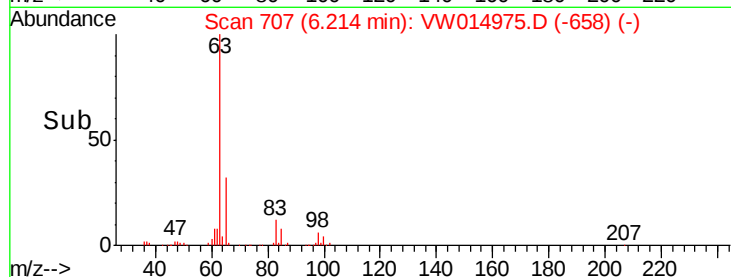
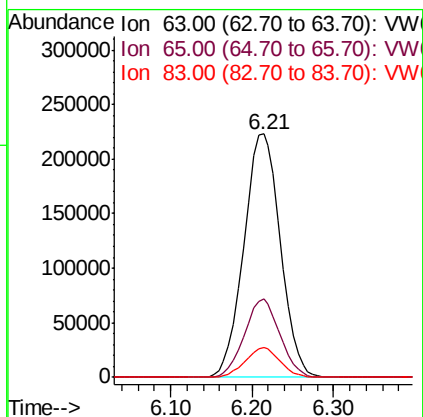
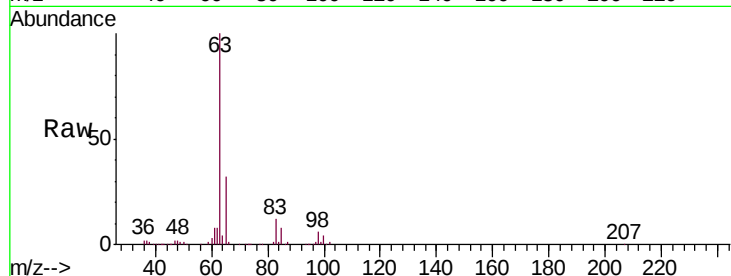




#19
 1,1-Dichloroethane
 Concen: 25.395 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW014975.D
 Acq: 13 Feb 2020 12:15

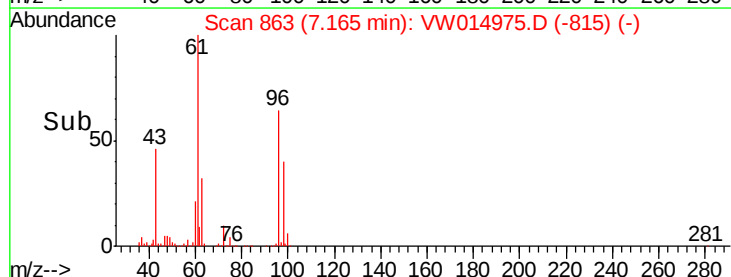
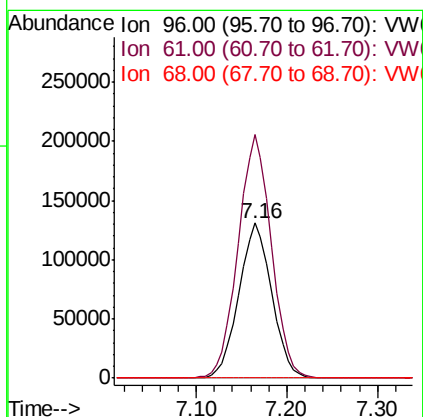
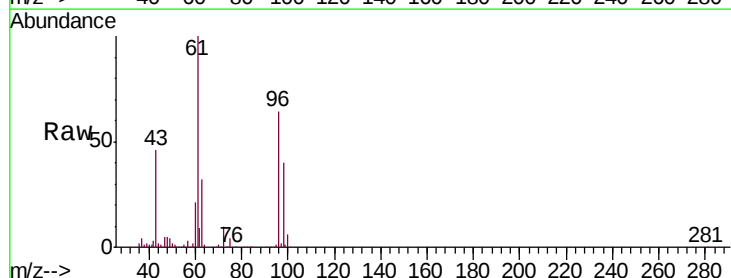
Instrument :
 MSVOA_W
 ClientSampleId :
 VICV306

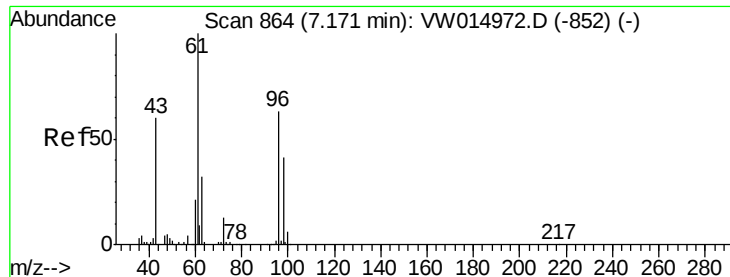
Tgt Ion:	63	Resp:	695121
Ion	Ratio	Lower	Upper
63	100		
65	32.1	20.9	38.7
83	12.1	7.8	14.6



#20
 cis-1,2-Dichloroethene
 Concen: 26.071 ug/L
 RT: 7.16 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW014975.D
 Acq: 13 Feb 2020 12:15

Tgt Ion:	96	Resp:	329270
Ion	Ratio	Lower	Upper
96	100		
61	157.1	111.5	207.1
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 43.951 ug/L

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW014975.D

Acq: 13 Feb 2020 12:15

Instrument :

MSVOA_W

ClientSampleId :

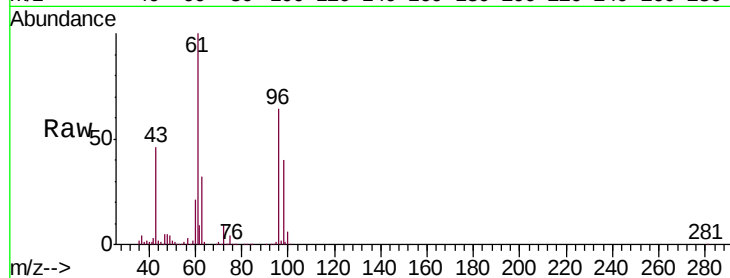
VICV306

Tgt Ion: 43 Resp: 252277

Ion Ratio Lower Upper

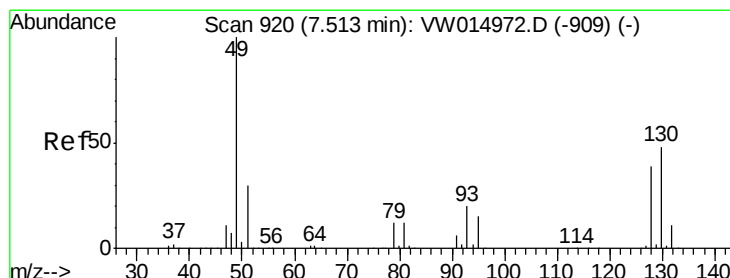
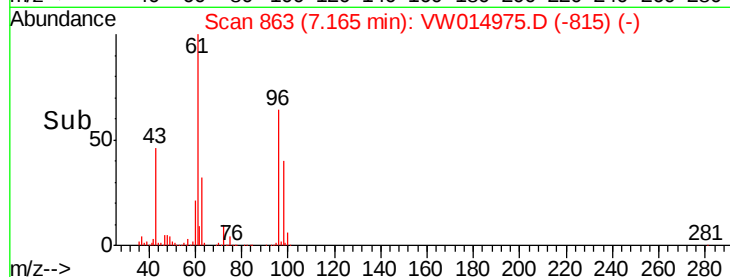
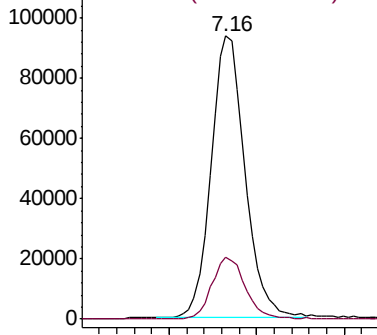
43 100

72 21.8 11.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#23

Bromochloromethane

Concen: 24.064 ug/L

RT: 7.51 min Scan# 920

Delta R.T. -0.00 min

Lab File: VW014975.D

Acq: 13 Feb 2020 12:15

Tgt Ion: 128 Resp: 123273

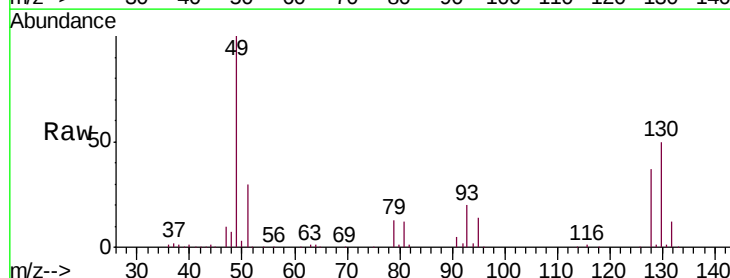
Ion Ratio Lower Upper

128 100

49 270.2 179.0 332.4

130 134.6 85.5 158.7

51 82.2 61.7 92.5

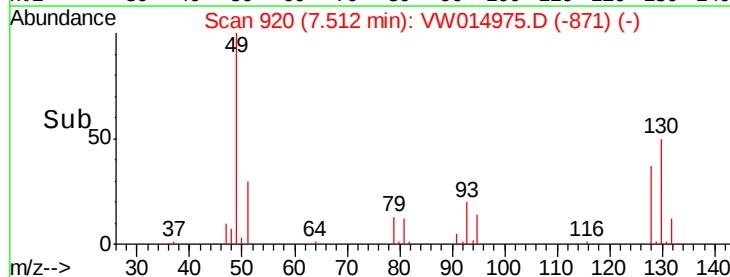
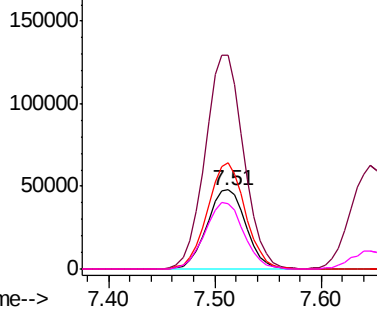


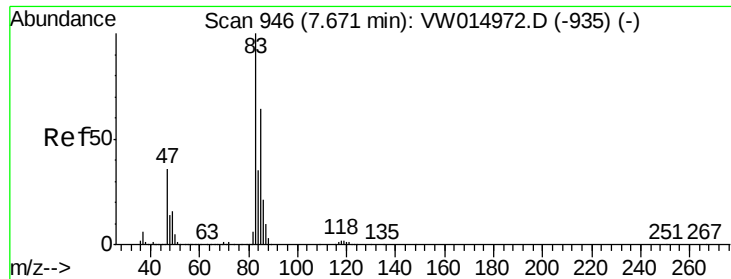
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VW

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VW

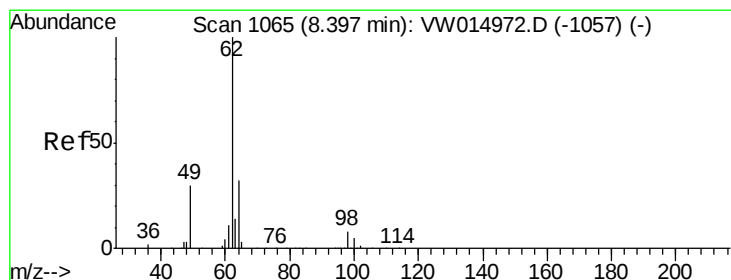
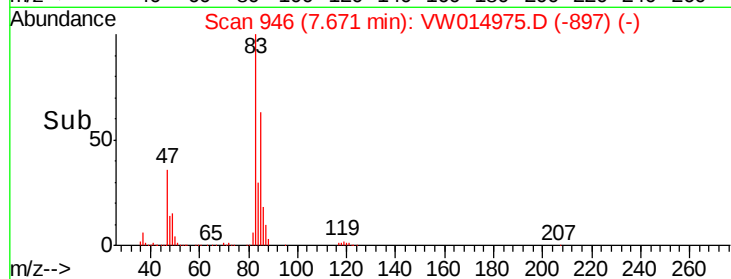
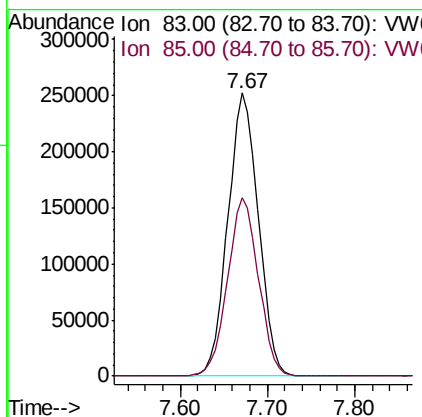
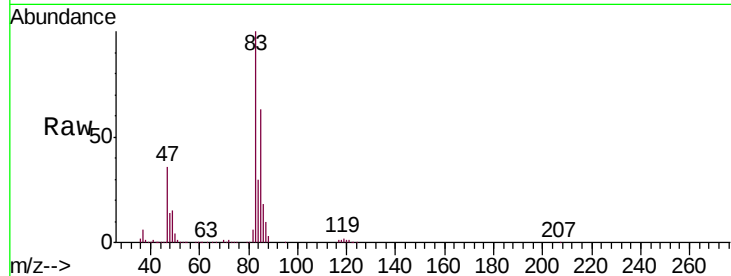




#25
Chloroform
Concen: 25.084 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW014975.D
Acq: 13 Feb 2020 12:15

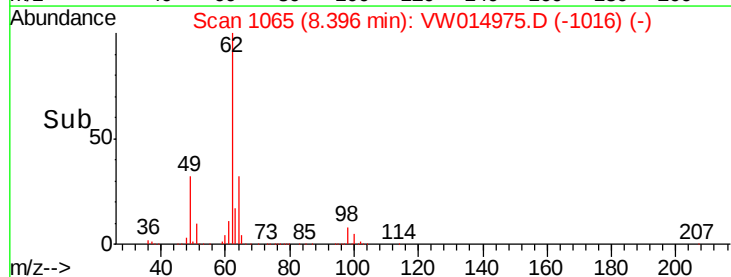
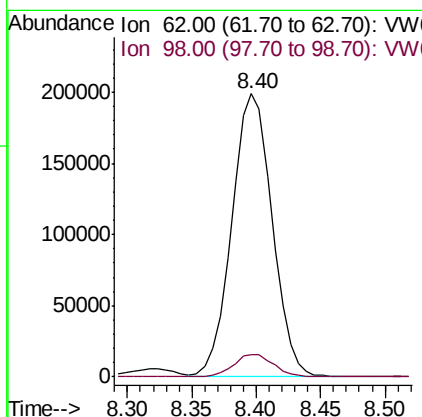
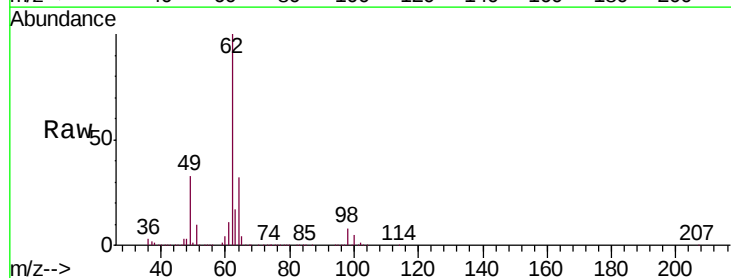
Instrument :
MSVOA_W
ClientSampled :
VICV306

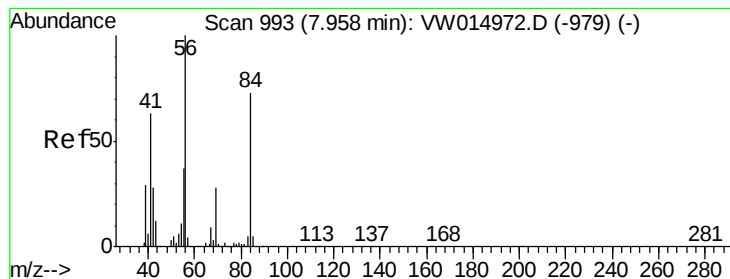
Tgt Ion: 83 Resp: 611774
Ion Ratio Lower Upper
83 100
85 62.9 45.1 83.7



#27
1,2-Dichloroethane
Concen: 24.142 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW014975.D
Acq: 13 Feb 2020 12:15

Tgt Ion: 62 Resp: 432713
Ion Ratio Lower Upper
62 100
98 7.8 6.2 9.4





#29

Cyclohexane

Concen: 27.495 ug/L

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW014975.D

Acq: 13 Feb 2020 12:15

Instrument :

MSVOA_W

ClientSampled :

VICV306

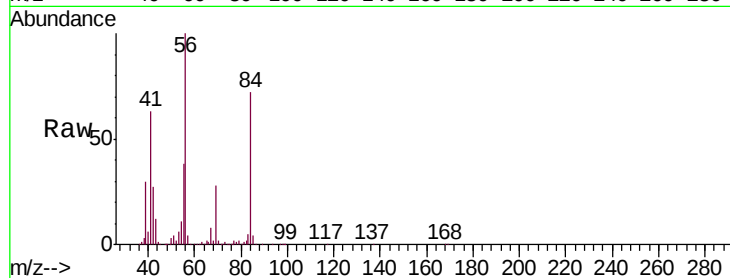
Tgt Ion: 56 Resp: 665331

Ion Ratio Lower Upper

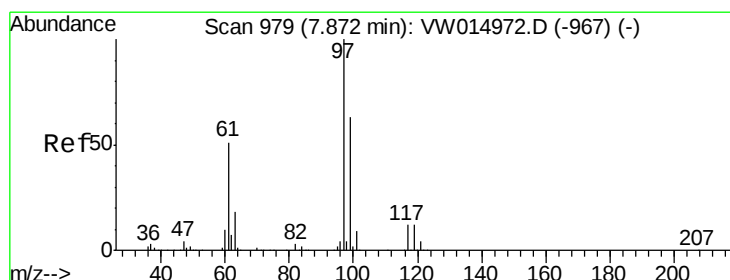
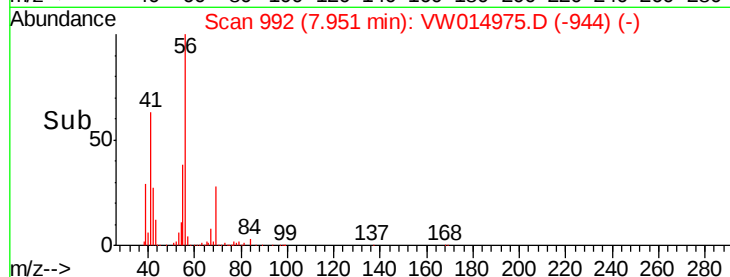
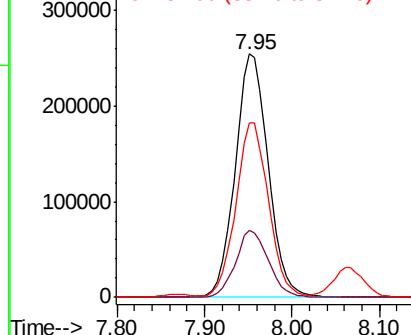
56 100

69 27.4 22.0 33.0

84 71.4 57.8 86.6



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



#30

1,1,1-Trichloroethane

Concen: 25.706 ug/L

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW014975.D

Acq: 13 Feb 2020 12:15

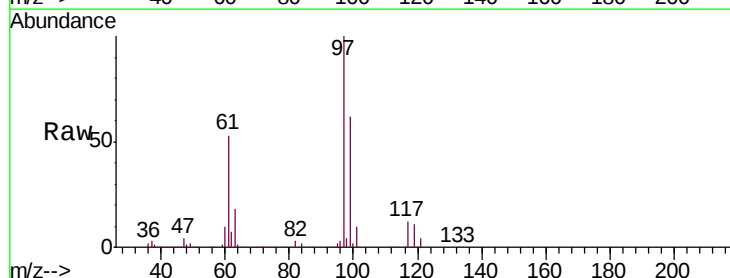
Tgt Ion: 97 Resp: 464050

Ion Ratio Lower Upper

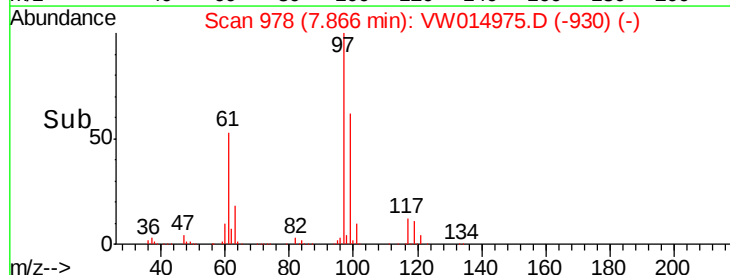
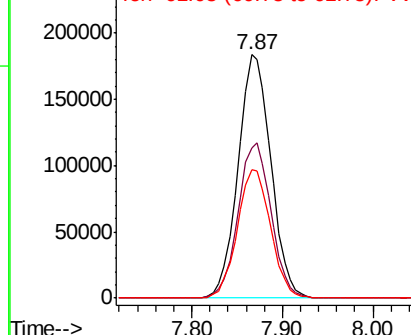
97 100

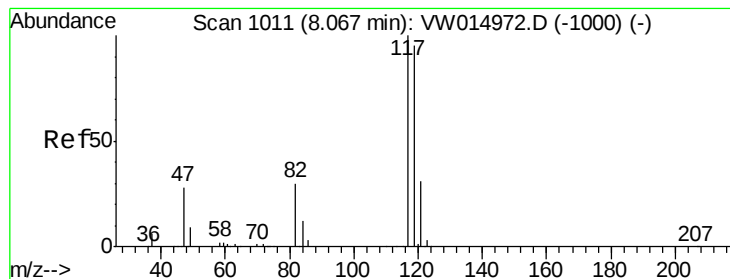
99 64.0 50.6 75.8

61 53.7 42.7 64.1



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.05 (60.75 to 61.75): VW





#31

Carbon tetrachloride

Concen: 25.436 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW014975.D

Acq: 13 Feb 2020 12:15

Instrument :

MSVOA_W

ClientSampleId :

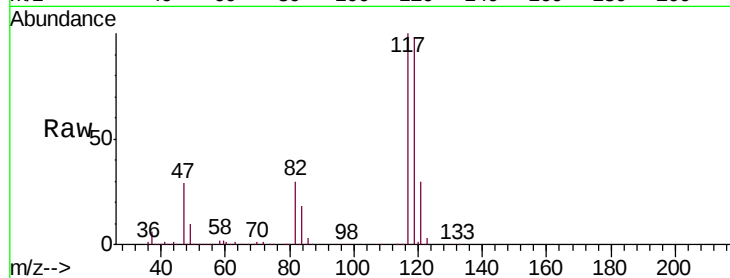
VICV306

Tgt Ion:117 Resp: 413896

Ion Ratio Lower Upper

117 100

119 95.7 76.6 114.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

150000

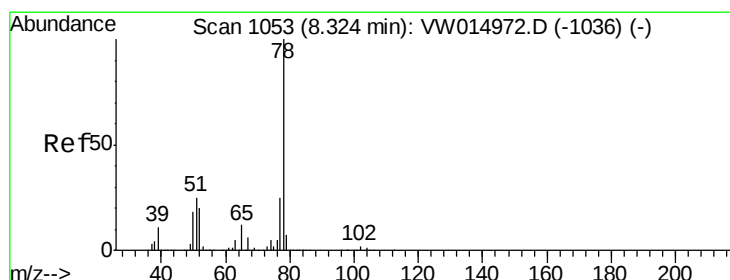
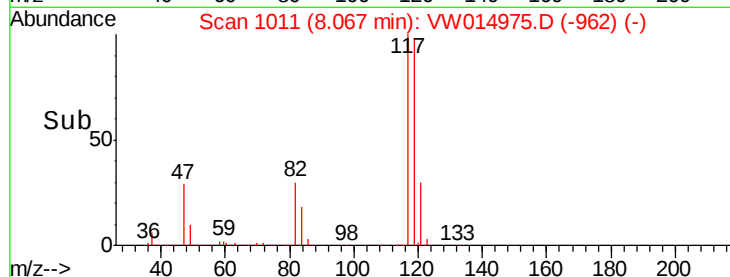
100000

50000

0

8.00 8.10 8.20

Time-->



#33

Benzene

Concen: 26.346 ug/L

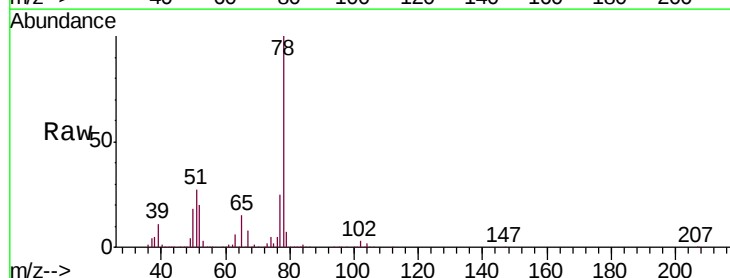
RT: 8.32 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VW014975.D

Acq: 13 Feb 2020 12:15

Tgt Ion: 78 Resp: 1435551



Abundance Ion 78.00 (77.70 to 78.70): VW

8.32

600000

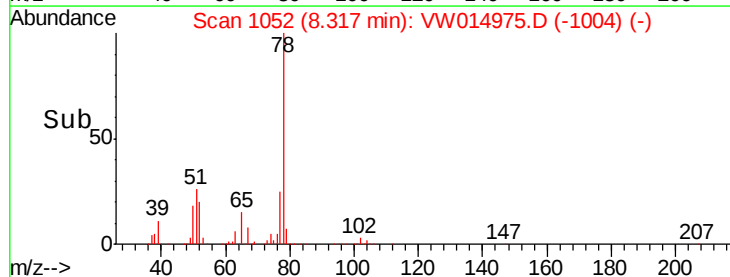
400000

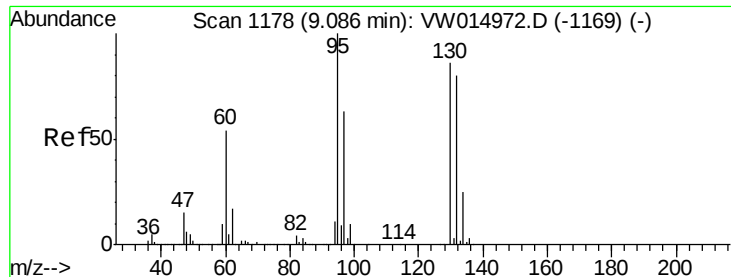
200000

0

8.20 8.30 8.40

Time-->

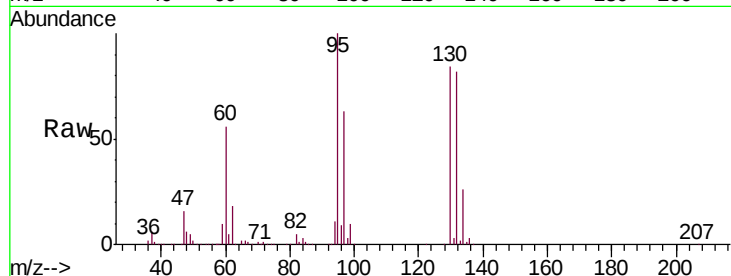




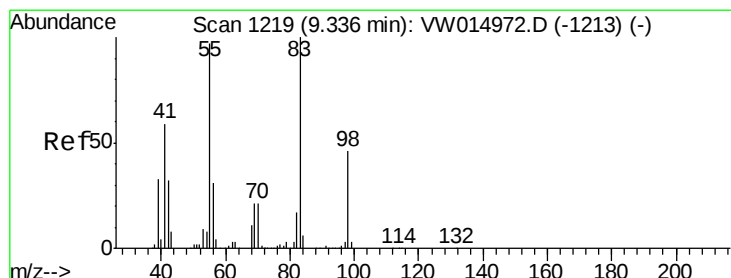
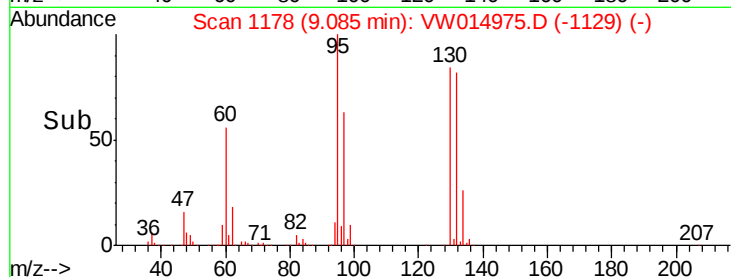
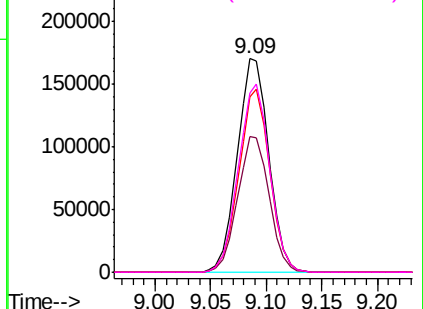
#34
 Trichloroethene
 Concen: 25.633 ug/L
 RT: 9.09 min Scan# 1178
 Delta R.T. -0.00 min
 Lab File: VW014975.D
 Acq: 13 Feb 2020 12:15

Instrument :
 MSVOA_W
 ClientSampled :
 VICV306

Tgt Ion: 95 Resp: 334509
 Ion Ratio Lower Upper
 95 100
 97 63.4 44.2 82.0
 132 82.3 56.1 104.3
 130 84.0 60.1 111.7

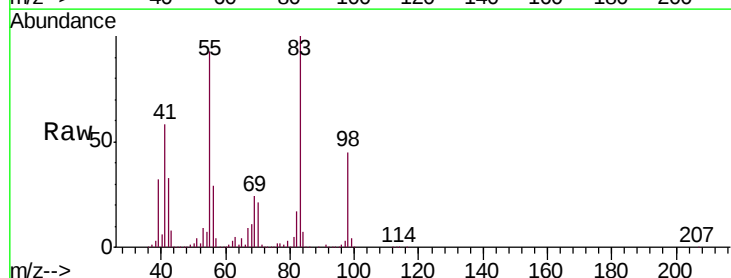


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

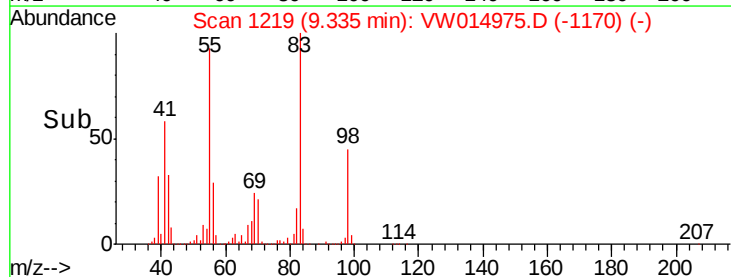
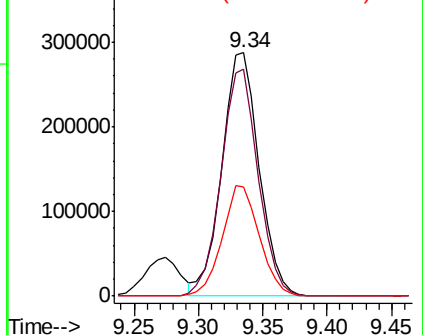


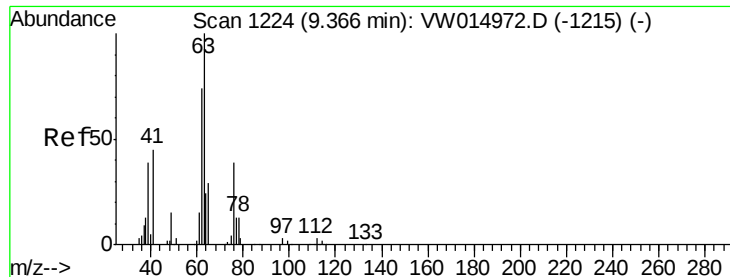
#35
 Methylcyclohexane
 Concen: 25.876 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW014975.D
 Acq: 13 Feb 2020 12:15

Tgt Ion: 83 Resp: 582413
 Ion Ratio Lower Upper
 83 100
 55 92.8 76.3 114.5
 98 45.2 36.4 54.6



Abundance Ion 83.00 (82.70 to 83.70): VW
 Ion 55.00 (54.70 to 55.70): VW
 Ion 98.00 (97.70 to 98.70): VW





#37

1,2-Dichloropropane

Concen: 25.965 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW014975.D

Acq: 13 Feb 2020 12:15

Instrument :

MSVOA_W

ClientSampleId :

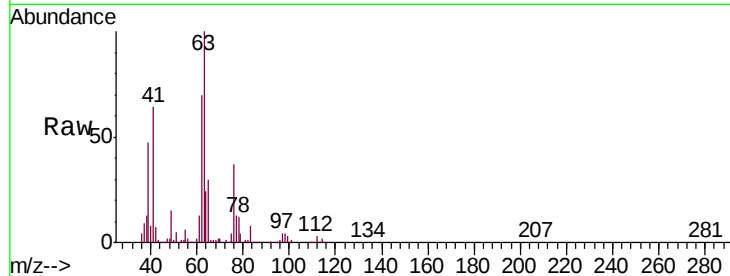
VICV306

Tgt Ion: 63 Resp: 395147

Ion Ratio Lower Upper

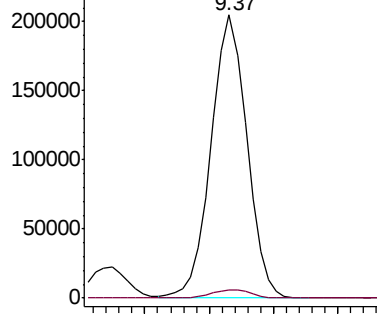
63 100

112 3.3 2.6 4.0

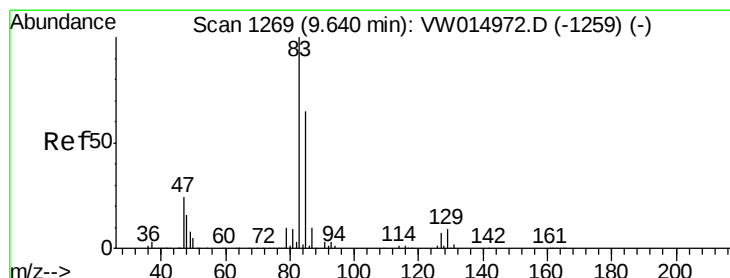
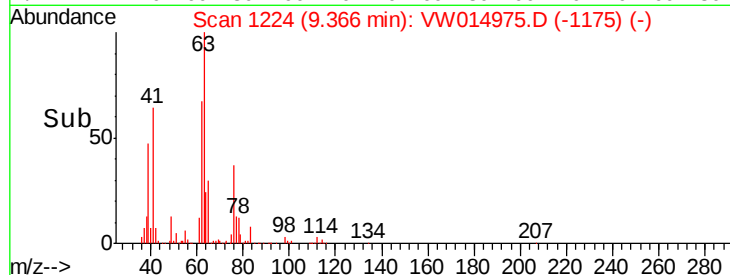


Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



Time-->



#38

Bromodichloromethane

Concen: 25.203 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW014975.D

Acq: 13 Feb 2020 12:15

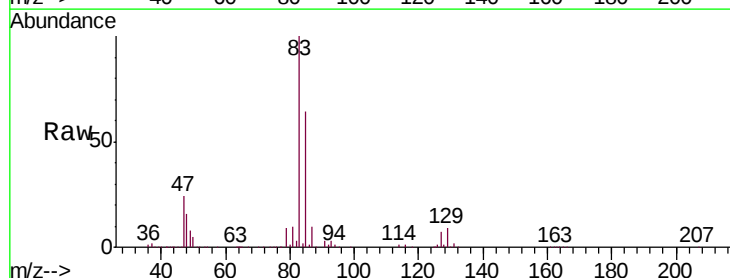
Tgt Ion: 83 Resp: 431887

Ion Ratio Lower Upper

83 100

85 63.9 45.2 84.0

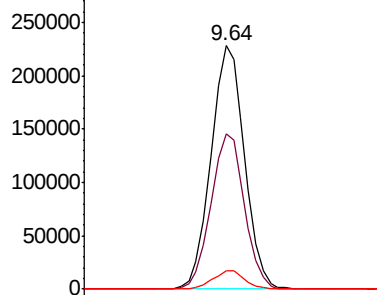
127 7.3 5.5 8.3



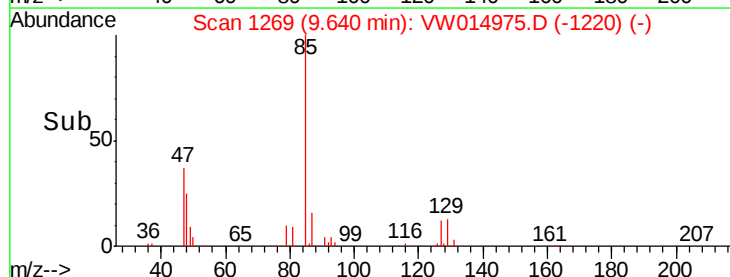
Abundance Ion 83.00 (82.70 to 83.70): VW

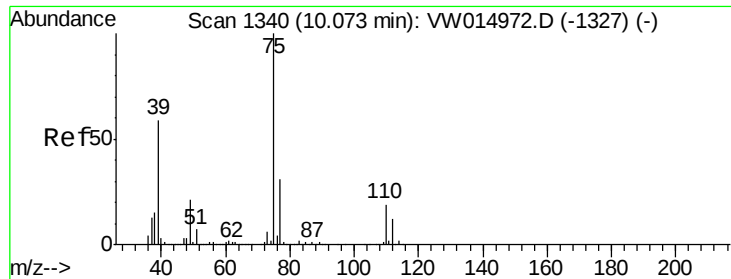
Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V



Time-->

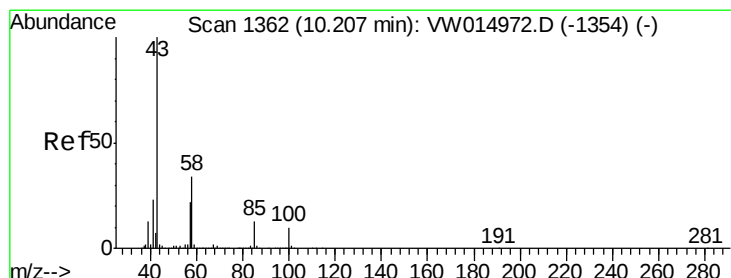
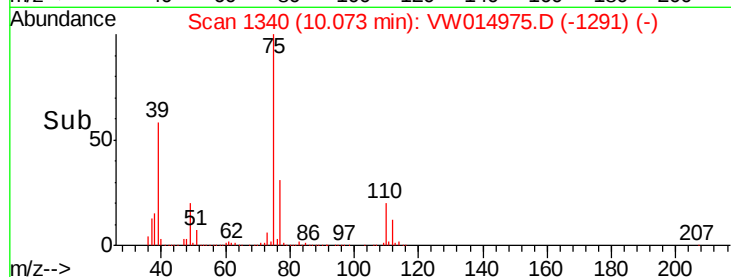
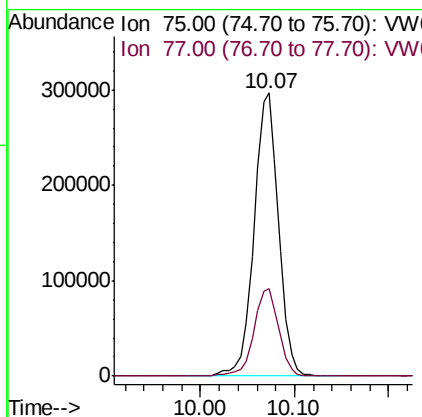
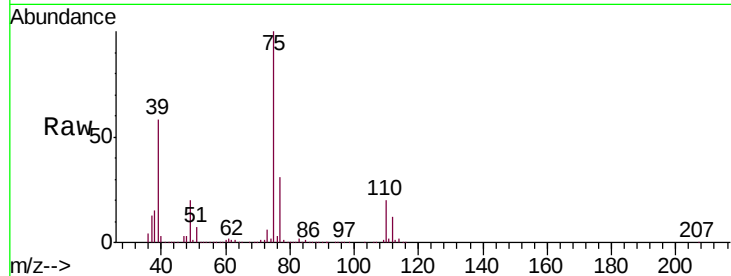




#39
 cis-1,3-Dichloropropene
 Concen: 26.674 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW014975.D
 Acq: 13 Feb 2020 12:15

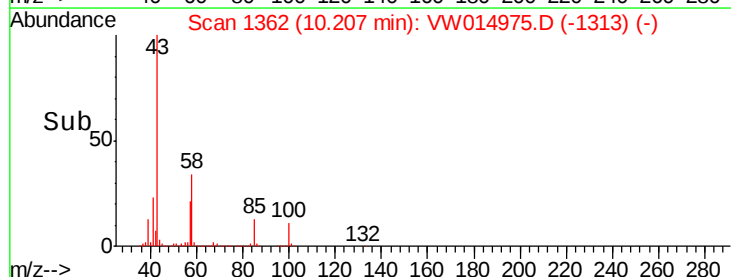
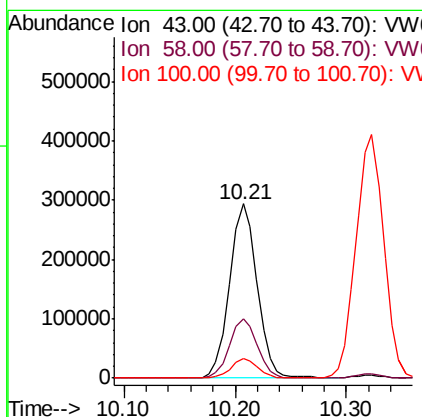
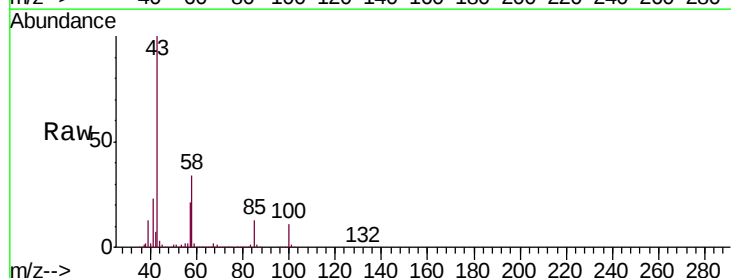
Instrument :
 MSVOA_W
 ClientSampleId :
 VICV306

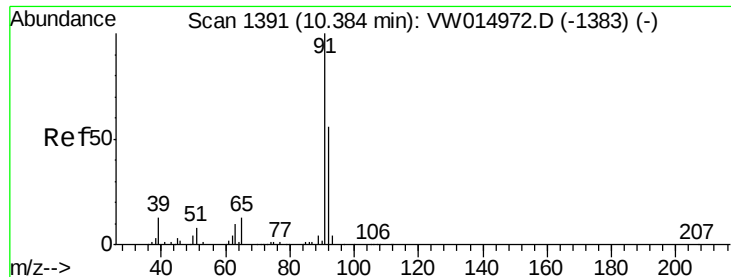
Tgt Ion: 75 Resp: 543087
 Ion Ratio Lower Upper
 75 100
 77 31.0 21.6 40.2



#40
 4-Methyl-2-pentanone
 Concen: 46.550 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW014975.D
 Acq: 13 Feb 2020 12:15

Tgt Ion: 43 Resp: 504339
 Ion Ratio Lower Upper
 43 100
 58 34.8 27.7 41.5
 100 10.6 8.6 13.0





#42

Toluene

Concen: 27.154 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW014975.D

Acq: 13 Feb 2020 12:15

Instrument :

MSVOA_W

ClientSampleId :

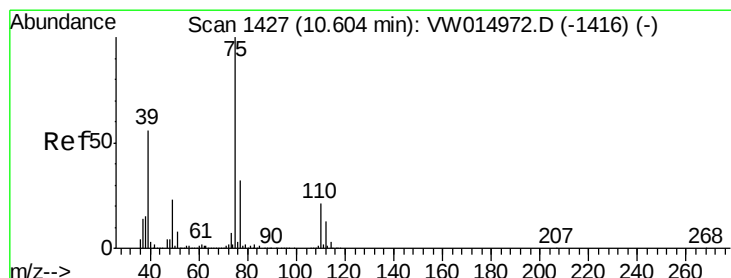
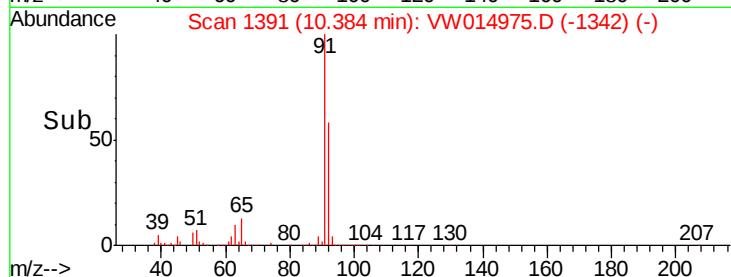
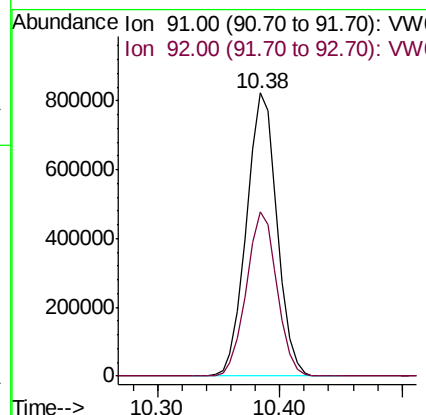
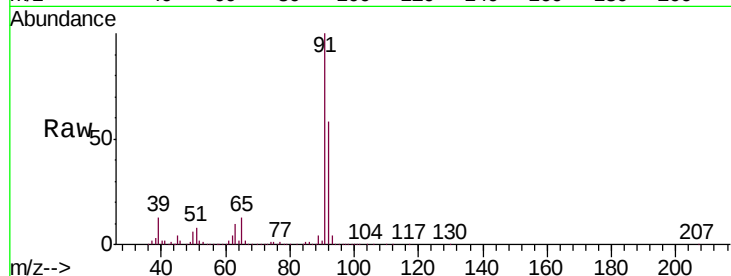
VICV306

Tgt Ion: 91 Resp: 1429665

Ion Ratio Lower Upper

91 100

92 58.0 39.5 73.3



#44

trans-1,3-Dichloropropene

Concen: 25.752 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW014975.D

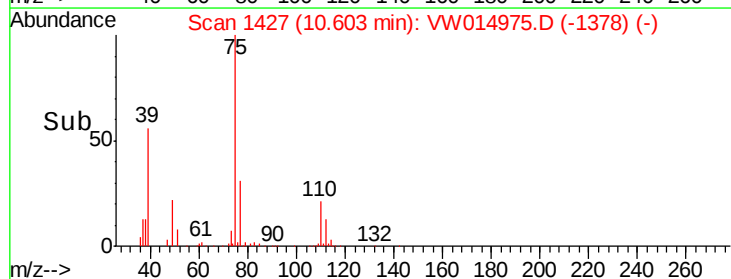
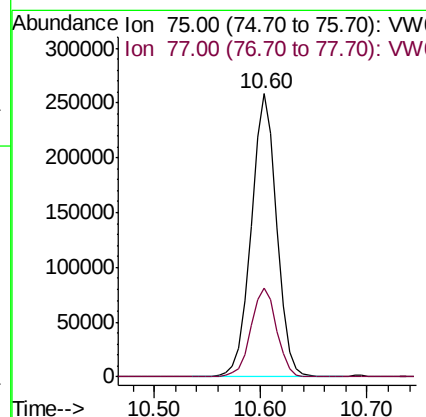
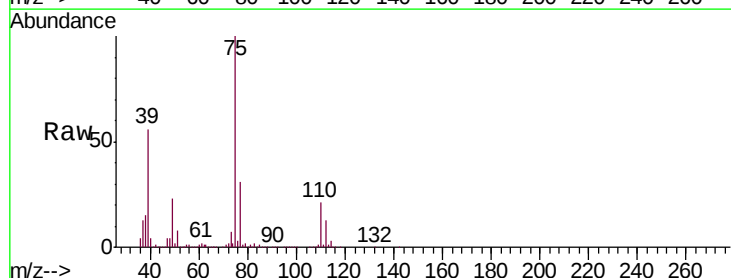
Acq: 13 Feb 2020 12:15

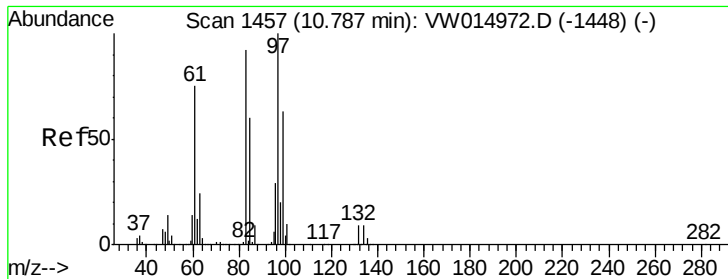
Tgt Ion: 75 Resp: 434959

Ion Ratio Lower Upper

75 100

77 31.2 22.7 42.1





#45

1,1,2-Trichloroethane

Concen: 24.107 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW014975.D

Acq: 13 Feb 2020 12:15

Instrument :

MSVOA_W

ClientSampleId :

VICV306

Tgt Ion: 97 Resp: 222553

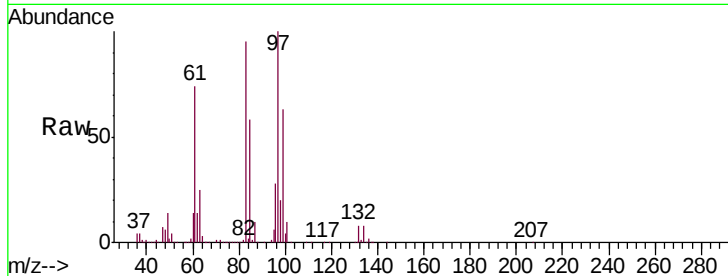
Ion Ratio Lower Upper

97 100

99 63.0 44.2 82.0

83 94.8 64.1 119.1

85 58.1 42.1 78.1



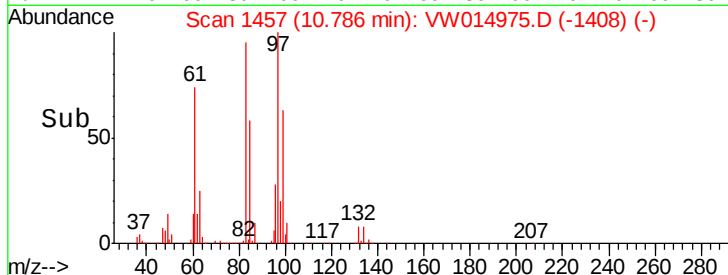
Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 99.00 (98.70 to 99.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Time-->



Abundance

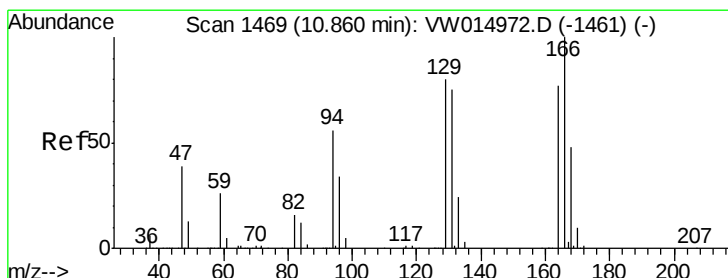
Ion 97.00 (96.70 to 97.70): VW

Ion 99.00 (98.70 to 99.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Time-->



#46

Tetrachloroethene

Concen: 24.890 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW014975.D

Acq: 13 Feb 2020 12:15

Tgt Ion: 164 Resp: 210925

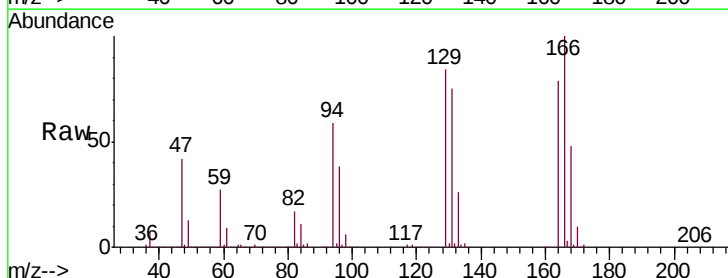
Ion Ratio Lower Upper

164 100

129 106.7 72.2 134.2

131 94.9 68.1 126.5

166 126.5 90.6 168.2



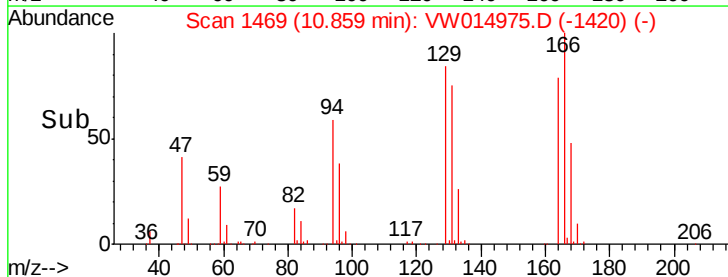
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

Time-->



Abundance

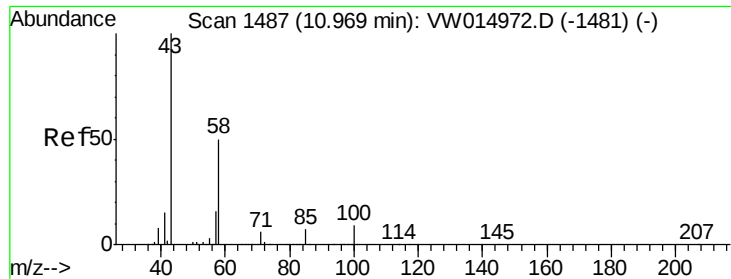
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

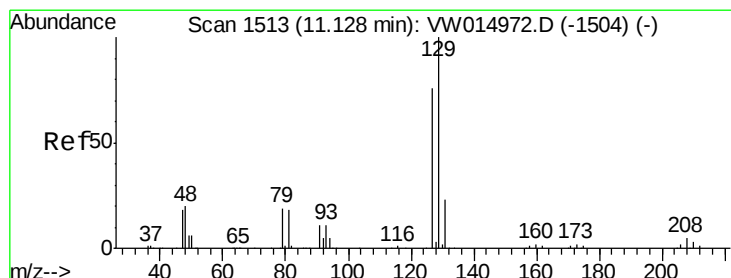
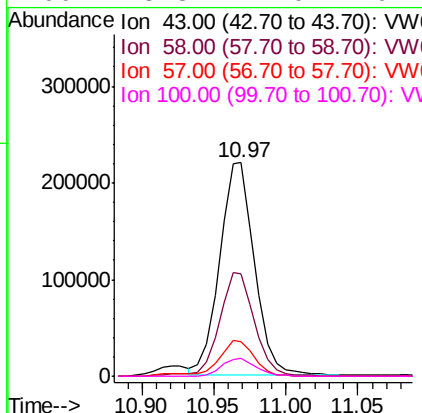
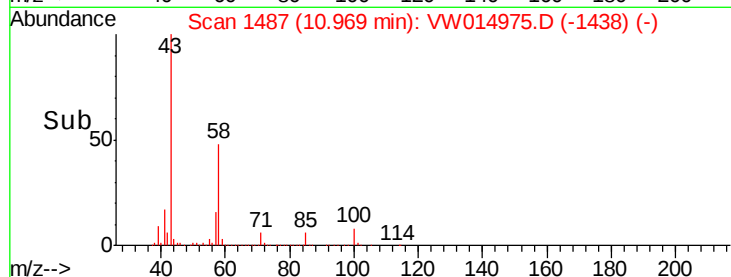
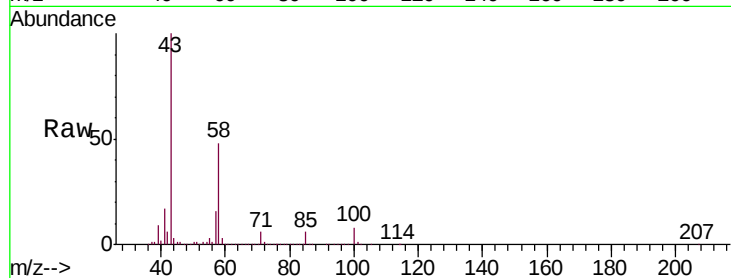
Time-->



#48
2-Hexanone
Concen: 47.341 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW014975.D
Acq: 13 Feb 2020 12:15

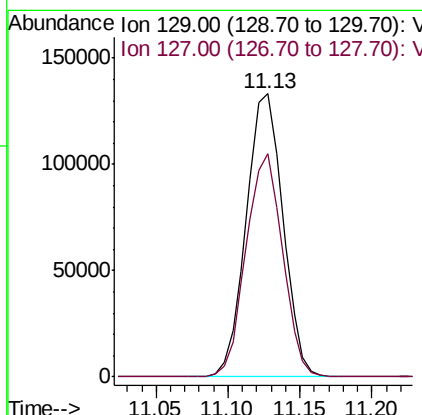
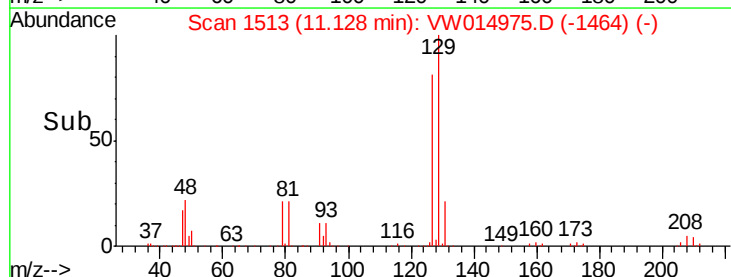
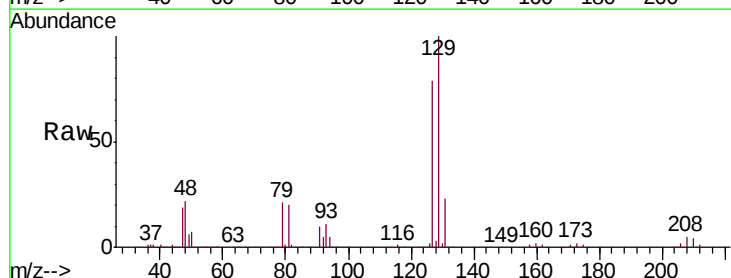
Instrument :
MSVOA_W
ClientSampleId :
VICV306

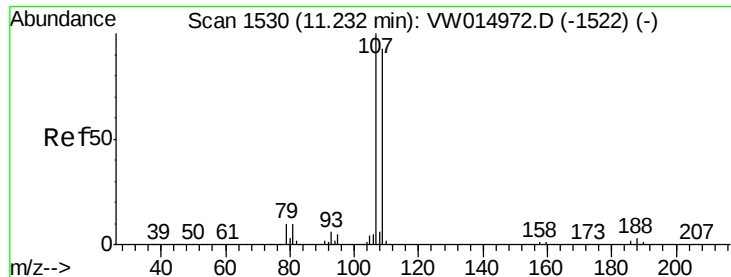
Tgt Ion:	43	Resp:	373717
Ion	Ratio	Lower	Upper
43	100		
58	48.7	39.2	58.8
57	16.7	13.1	19.7
100	8.3	7.0	10.4



#49
Dibromochloromethane
Concen: 24.537 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW014975.D
Acq: 13 Feb 2020 12:15

Tgt Ion:	129	Resp:	236021
Ion	Ratio	Lower	Upper
129	100		
127	78.7	53.0	98.4

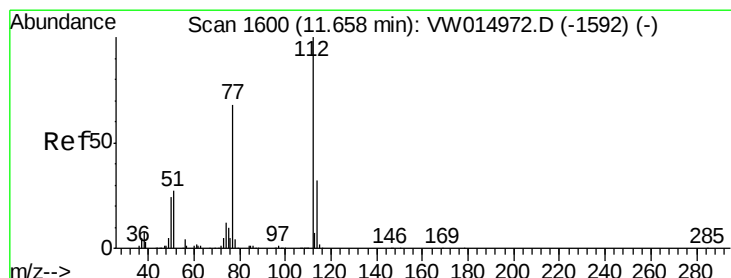
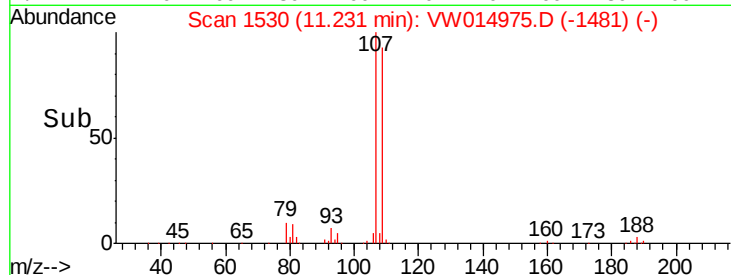
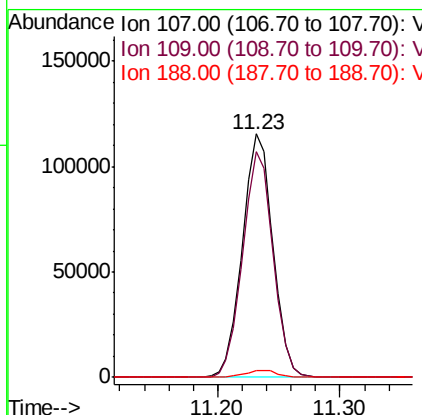
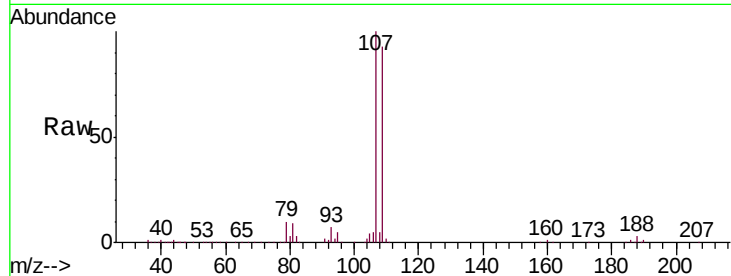




#50
1,2-Dibromoethane
Concen: 23.992 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VW014975.D
Acq: 13 Feb 2020 12:15

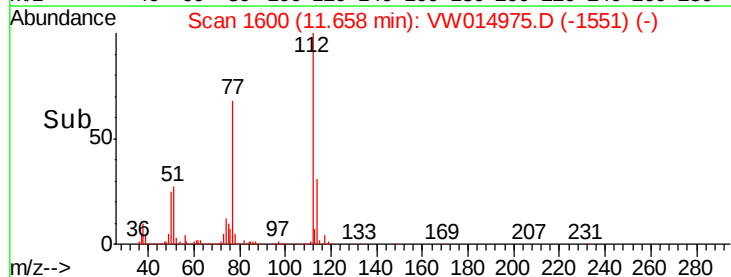
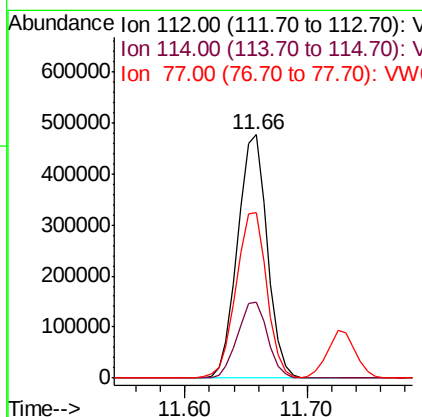
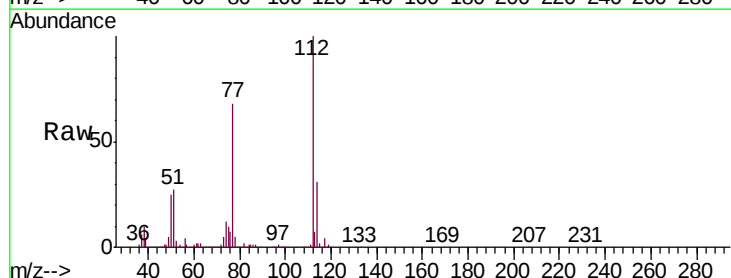
Instrument :
MSVOA_W
ClientSampleId :
VICV306

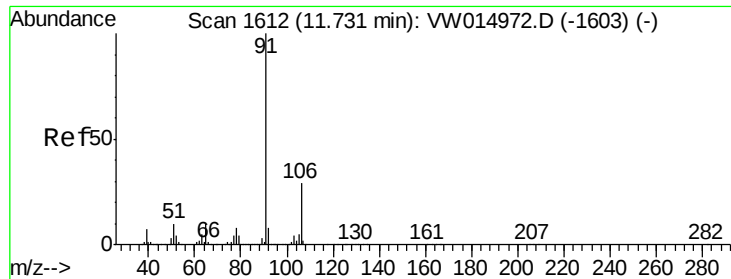
Tgt Ion	Ratio	Lower	Upper
107	100		
109	92.8	65.1	120.9
188	3.0	2.4	3.6



#51
Chlorobenzene
Concen: 25.786 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW014975.D
Acq: 13 Feb 2020 12:15

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.1	22.6	42.0
77	68.1	54.6	82.0





#52

Ethylbenzene

Concen: 27.279 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW014975.D

Acq: 13 Feb 2020 12:15

Instrument :

MSVOA_W

ClientSampled :

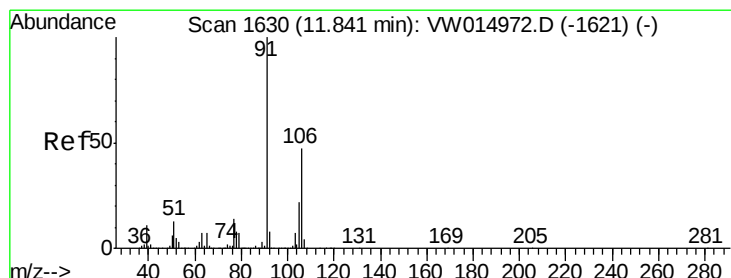
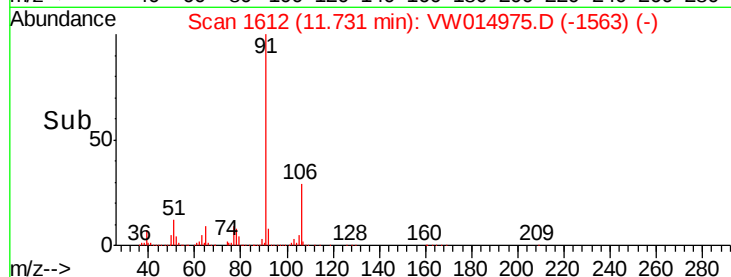
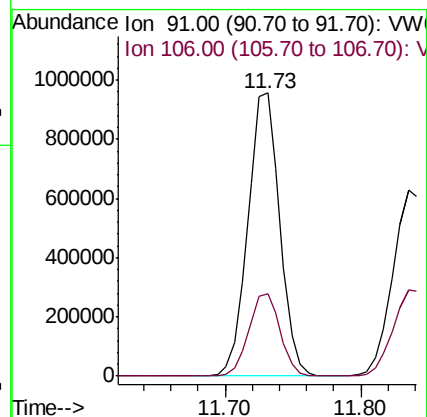
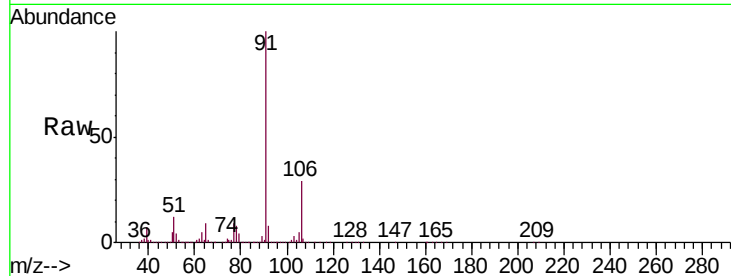
VICV306

Tgt Ion: 91 Resp: 1564415

Ion Ratio Lower Upper

91 100

106 29.3 20.2 37.4



#53

m,p-Xylene

Concen: 27.546 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW014975.D

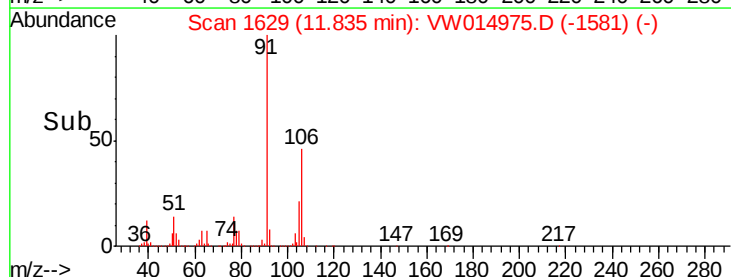
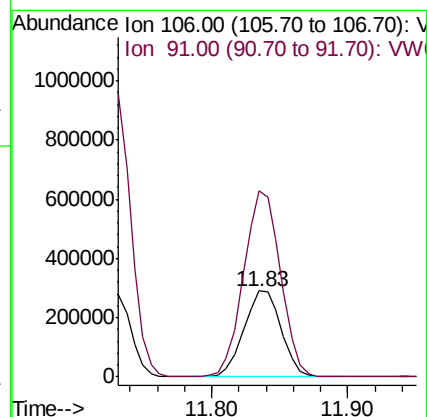
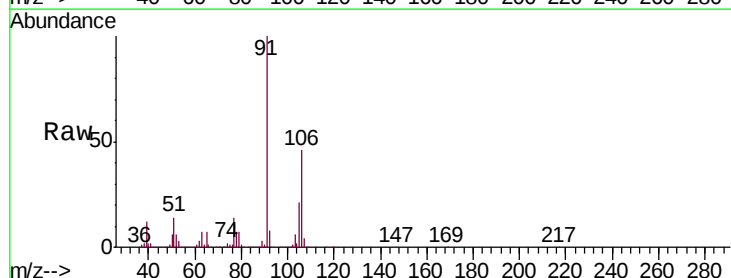
Acq: 13 Feb 2020 12:15

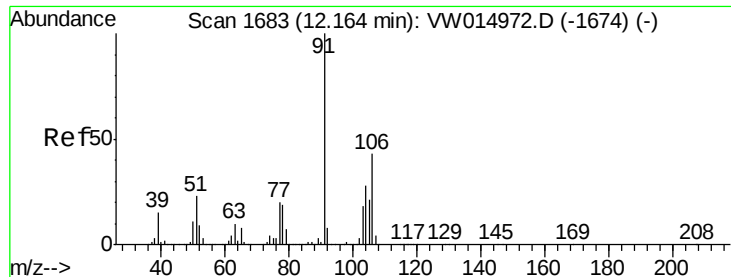
Tgt Ion: 106 Resp: 554290

Ion Ratio Lower Upper

106 100

91 217.1 149.2 277.2

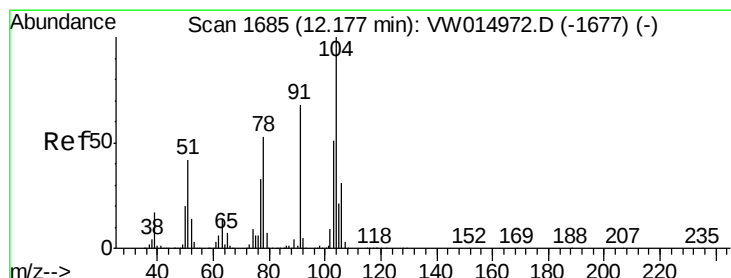
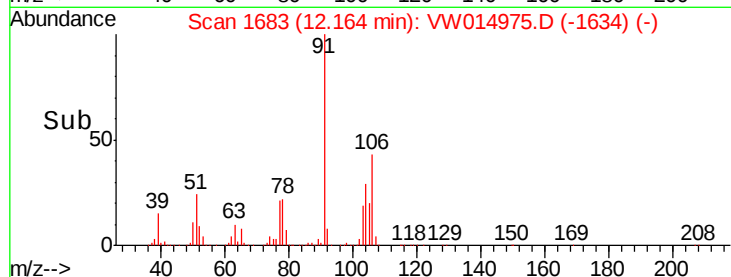
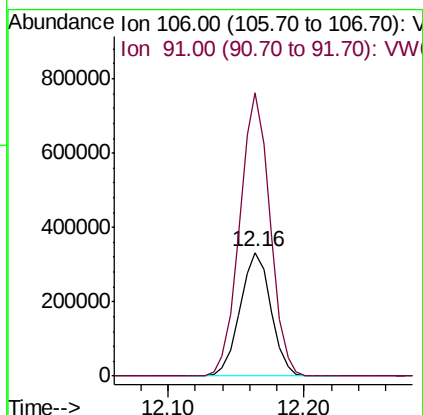
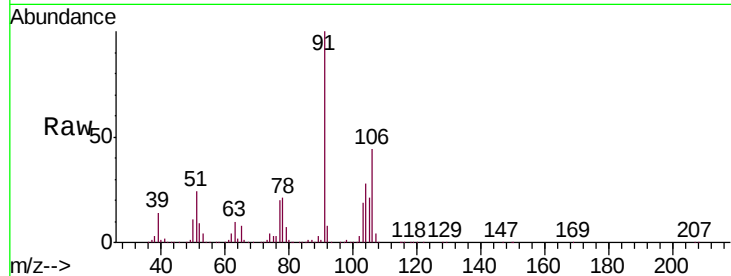




#54
o-Xylene
Concen: 27.803 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW014975.D
Acq: 13 Feb 2020 12:15

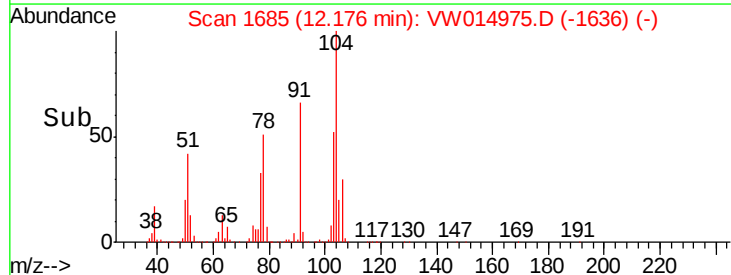
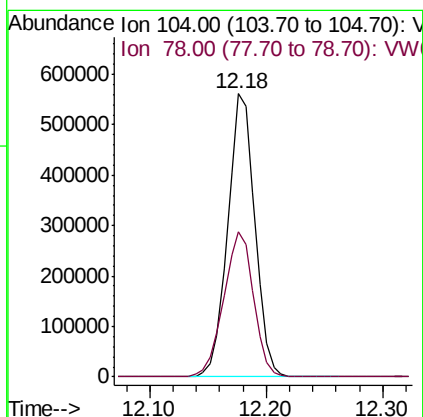
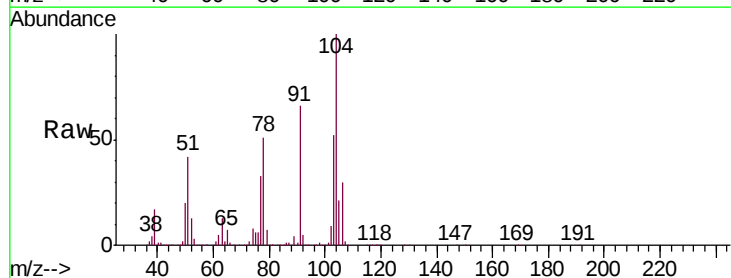
Instrument :
MSVOA_W
ClientSampled :
VICV306

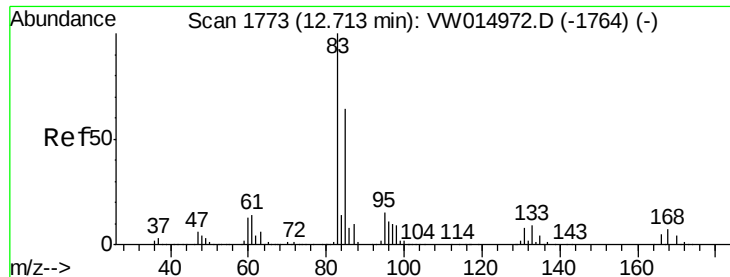
Tgt Ion:106 Resp: 525359
Ion Ratio Lower Upper
106 100
91 228.9 163.7 304.1



#55
Styrene
Concen: 27.886 ug/L
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW014975.D
Acq: 13 Feb 2020 12:15

Tgt Ion:104 Resp: 908348
Ion Ratio Lower Upper
104 100
78 51.3 36.8 68.4

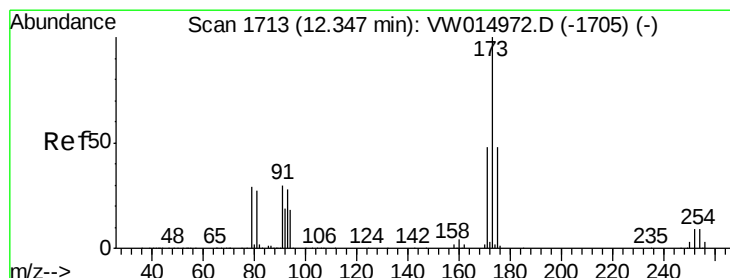
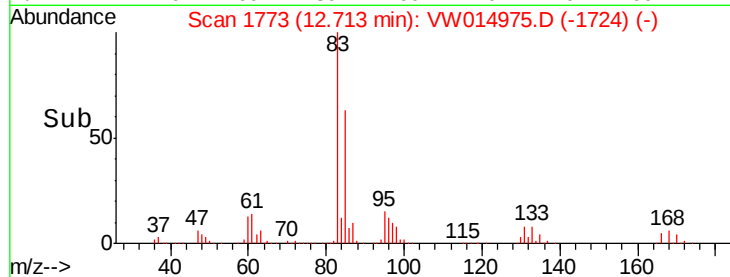
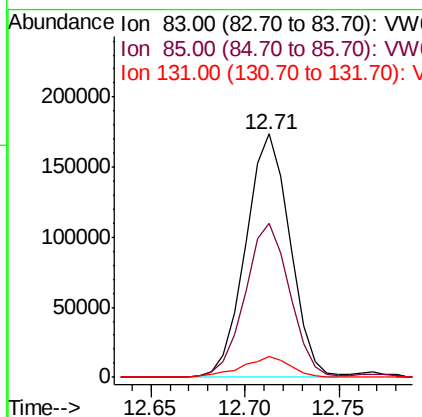
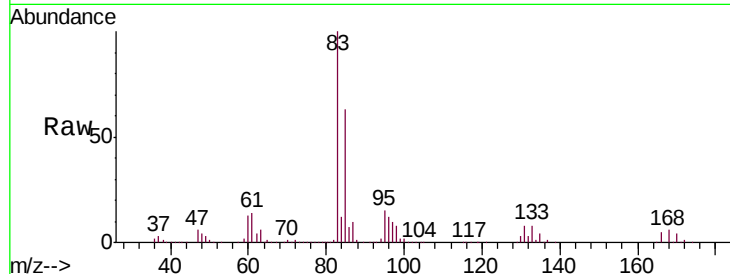




#57
 1,1,2,2-Tetrachloroethane
 Concen: 22.974 ug/L
 RT: 12.71 min Scan# 1773
 Delta R.T. -0.00 min
 Lab File: VW014975.D
 Acq: 13 Feb 2020 12:15

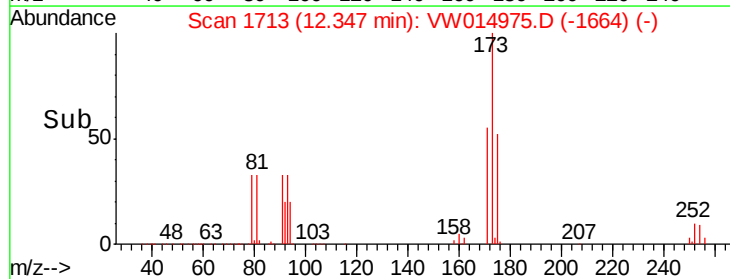
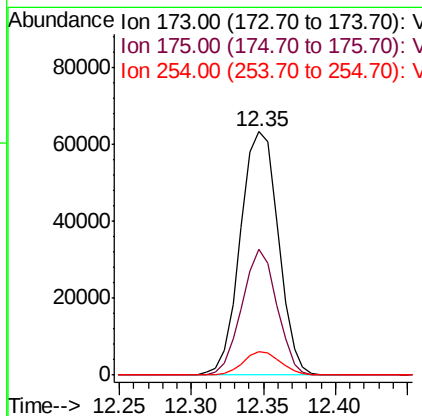
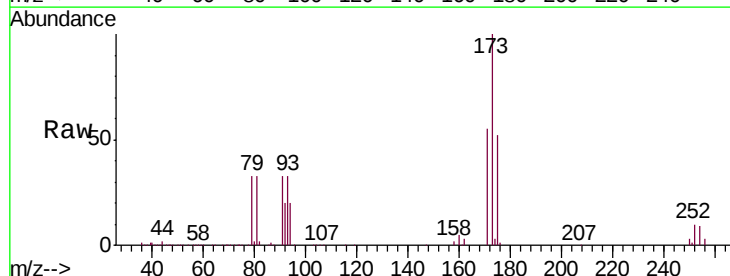
Instrument :
 MSVOA_W
 ClientSampleId :
 VICV306

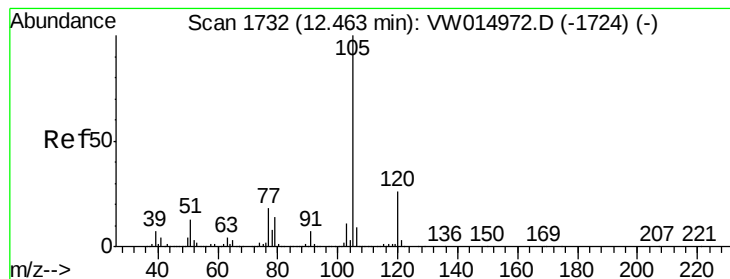
Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	44.9	83.5
131	8.4	6.2	9.2



#59
 Bromoform
 Concen: 23.177 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. -0.00 min
 Lab File: VW014975.D
 Acq: 13 Feb 2020 12:15

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.0	39.0	58.4
254	9.3	7.1	10.7





#60

Isopropylbenzene

Concen: 27.559 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW014975.D

Acq: 13 Feb 2020 12:15

Instrument :

MSVOA_W

ClientSampled :

VICV306

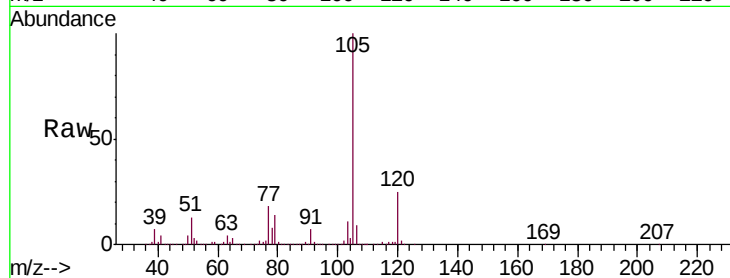
Tgt Ion: 105 Resp: 1408083

Ion Ratio Lower Upper

105 100

120 24.7 20.1 30.1

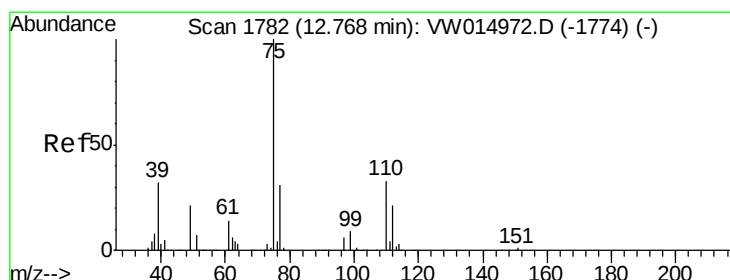
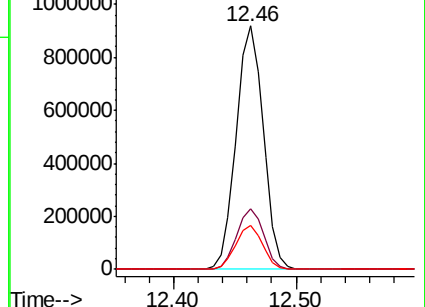
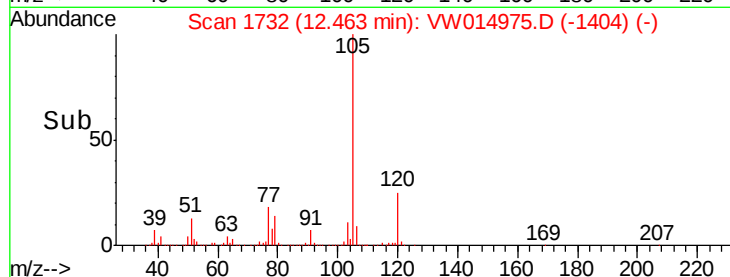
77 17.9 14.4 21.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#61

1,2,3-Trichloropropane

Concen: 22.754 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW014975.D

Acq: 13 Feb 2020 12:15

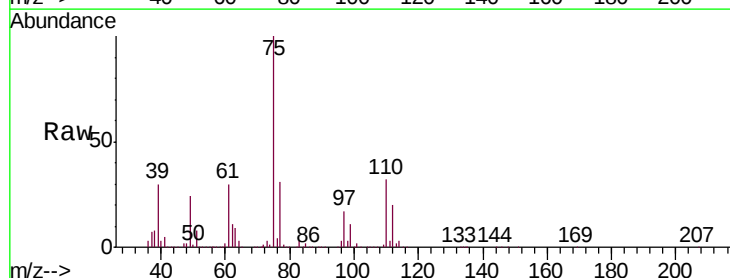
Tgt Ion: 75 Resp: 217645

Ion Ratio Lower Upper

75 100

77 31.7 25.8 38.6

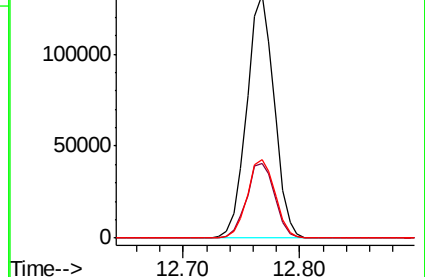
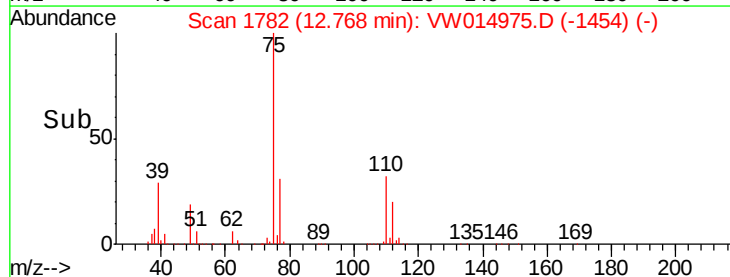
110 32.7 26.6 39.8

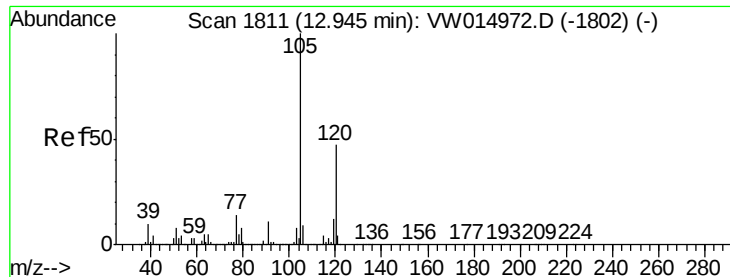


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 110.00 (109.70 to 110.70): V





#62

1,3,5-Trimethylbenzene

Concen: 28.251 ug/L

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW014975.D

Acq: 13 Feb 2020 12:15

Instrument :

MSVOA_W

ClientSampleId :

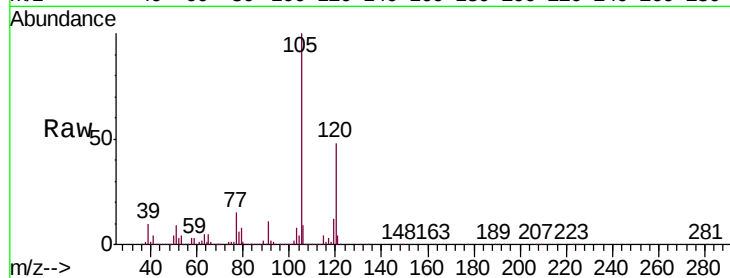
VICV306

Tgt Ion:105 Resp: 1150874

Ion Ratio Lower Upper

105 100

120 46.8 37.4 56.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.94

800000

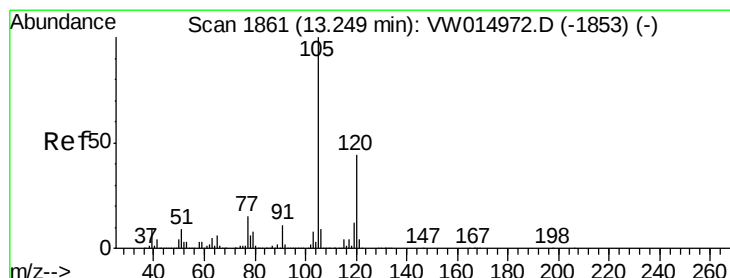
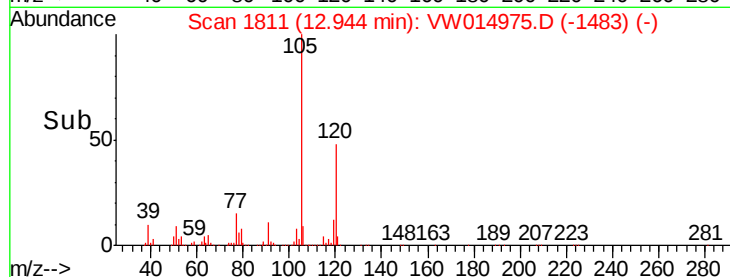
600000

400000

200000

0

Time-->



#63

1,2,4-Trimethylbenzene

Concen: 28.803 ug/L

RT: 13.25 min Scan# 1861

Delta R.T. -0.00 min

Lab File: VW014975.D

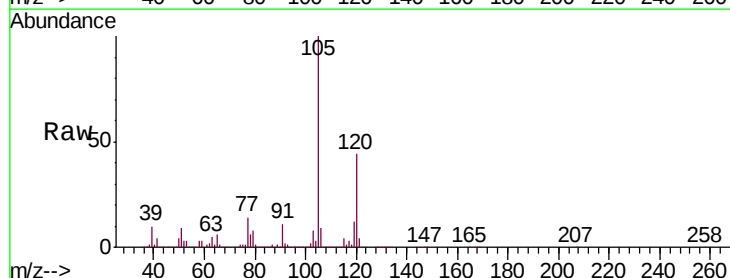
Acq: 13 Feb 2020 12:15

Tgt Ion:105 Resp: 1147961

Ion Ratio Lower Upper

105 100

120 43.8 35.0 52.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

13.25

800000

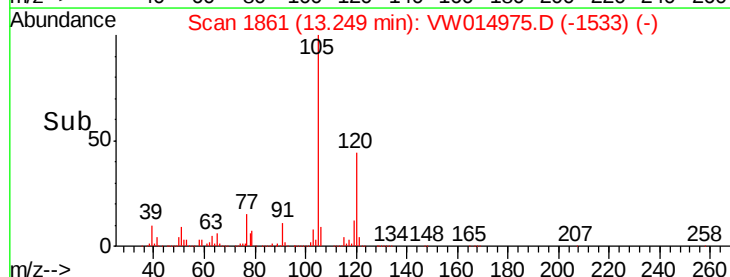
600000

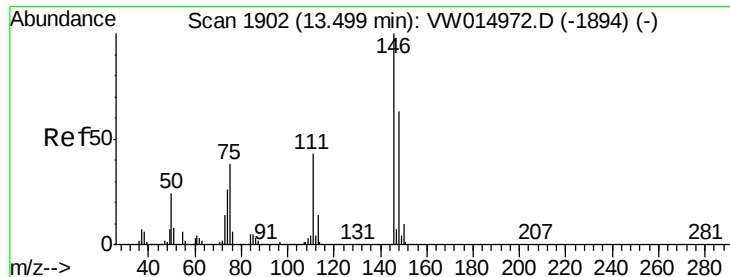
400000

200000

0

Time-->

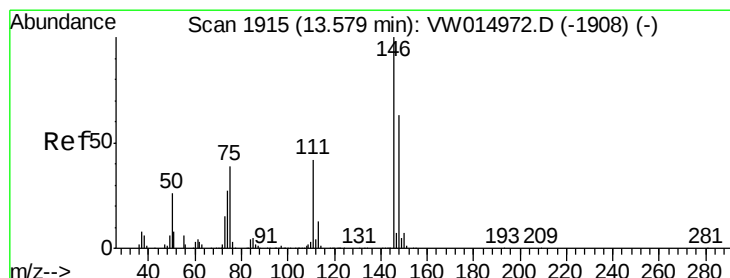
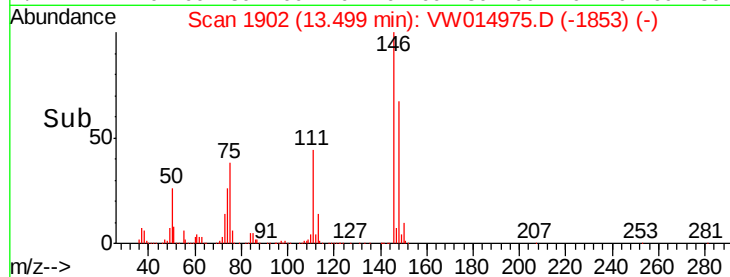
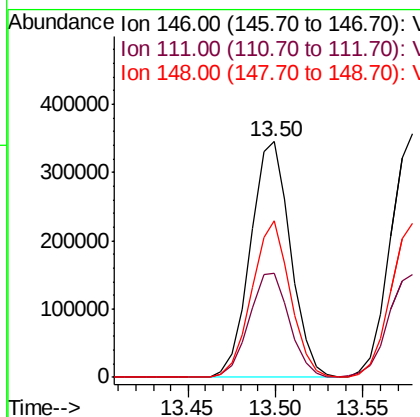
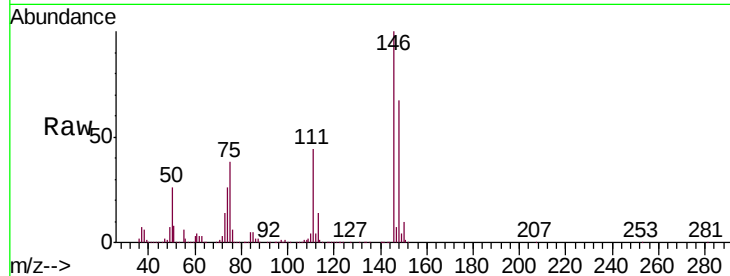




#64
 1,3-Dichlorobenzene
 Concen: 26.218 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW014975.D
 Acq: 13 Feb 2020 12:15

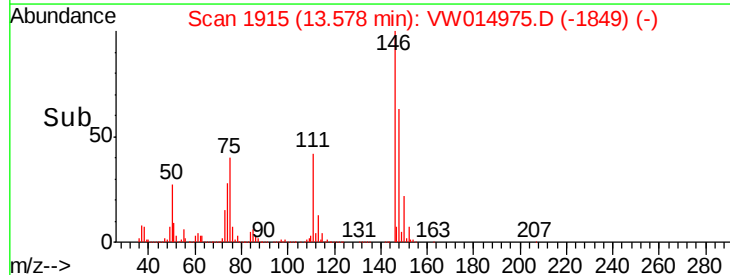
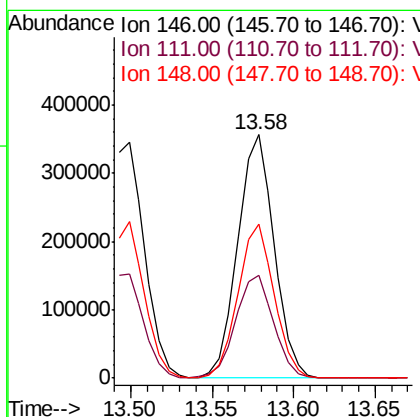
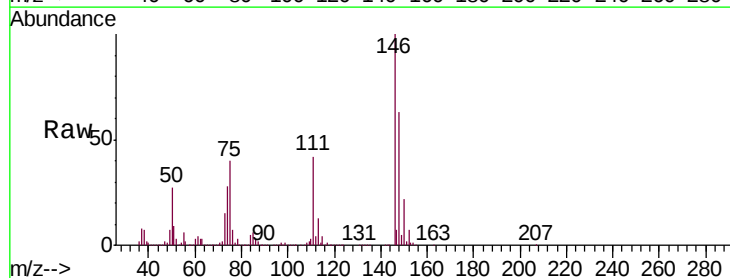
Instrument :
 MSVOA_W
 ClientSampleId :
 VICV306

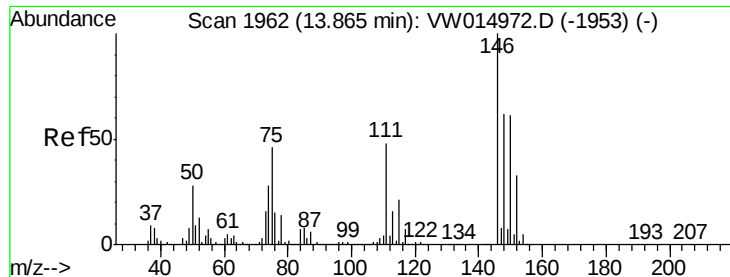
Tgt Ion:146 Resp: 552235
 Ion Ratio Lower Upper
 146 100
 111 44.4 30.2 56.0
 148 66.6 44.2 82.2



#65
 1,4-Dichlorobenzene
 Concen: 25.490 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW014975.D
 Acq: 13 Feb 2020 12:15

Tgt Ion:146 Resp: 553423
 Ion Ratio Lower Upper
 146 100
 111 42.0 29.5 54.9
 148 63.5 43.8 81.3

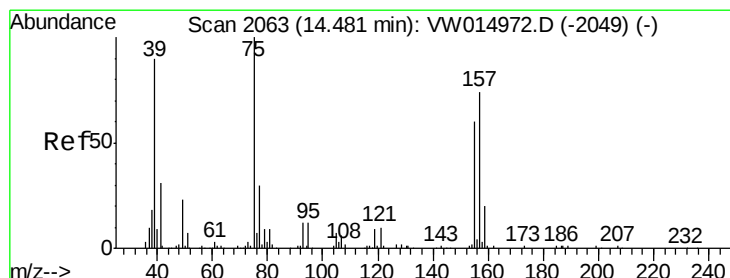
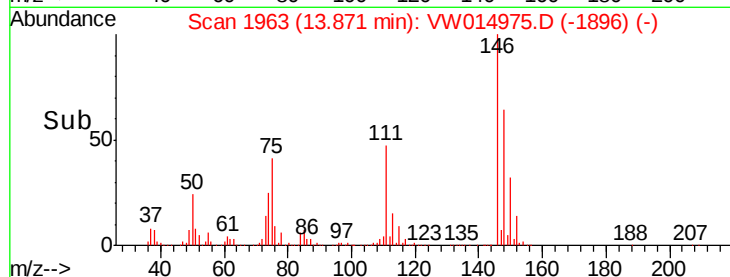
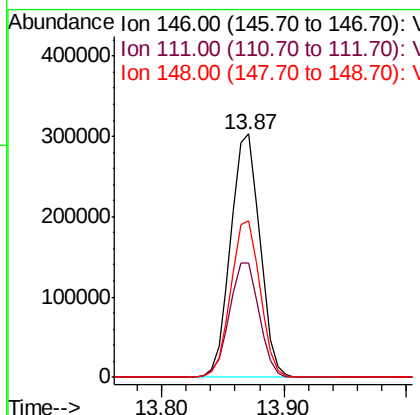
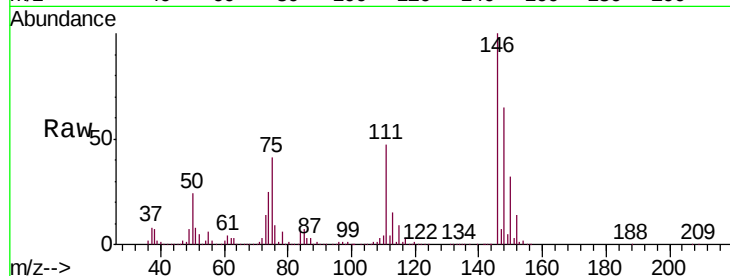




#67
 1,2-Dichlorobenzene
 Concen: 25.662 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.01 min
 Lab File: VW014975.D
 Acq: 13 Feb 2020 12:15

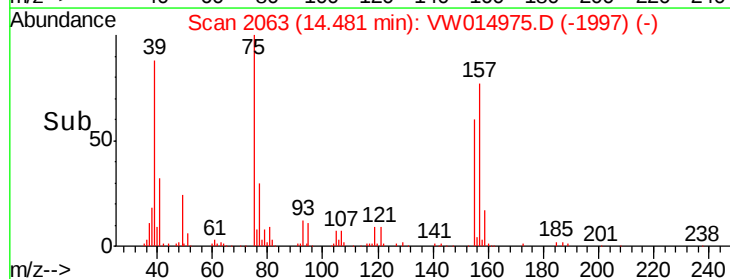
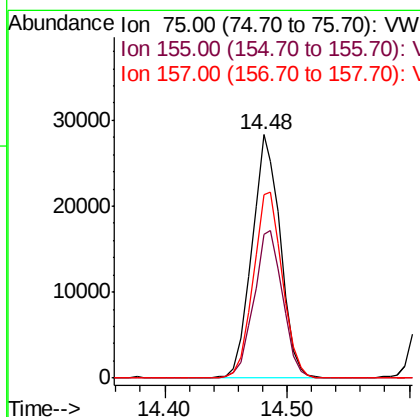
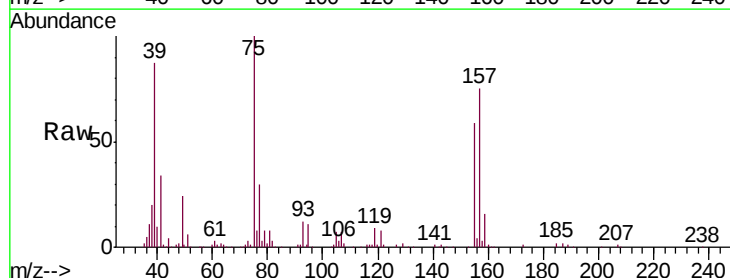
Instrument :
 MSVOA_W
 ClientSampleId :
 VICV306

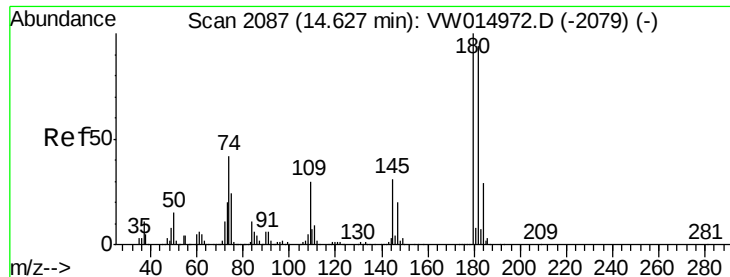
Tgt Ion: 146 Resp: 500138
 Ion Ratio Lower Upper
 146 100
 111 46.8 38.0 57.0
 148 64.5 49.5 74.3



#68
 1,2-Dibromo-3-chloropropane
 Concen: 22.968 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW014975.D
 Acq: 13 Feb 2020 12:15

Tgt Ion: 75 Resp: 45942
 Ion Ratio Lower Upper
 75 100
 155 59.1 48.0 72.0
 157 75.4 59.4 89.0

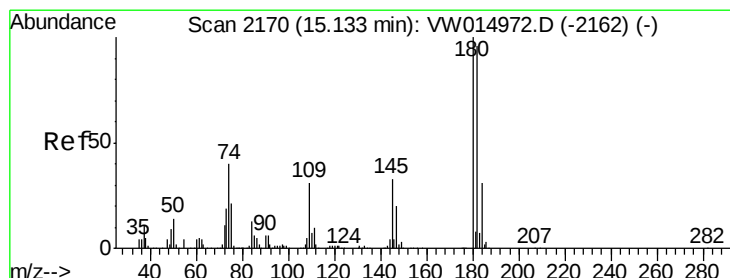
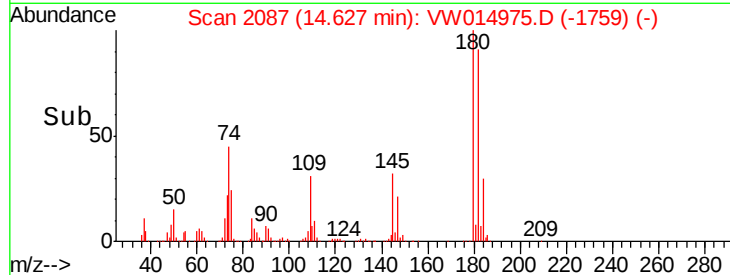
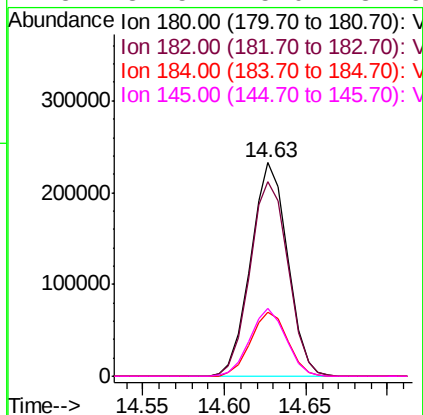
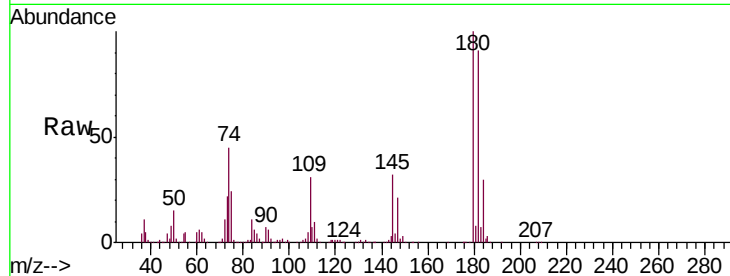




#69
 1,3,5-Trichlorobenzene
 Concen: 25.852 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW014975.D
 Acq: 13 Feb 2020 12:15

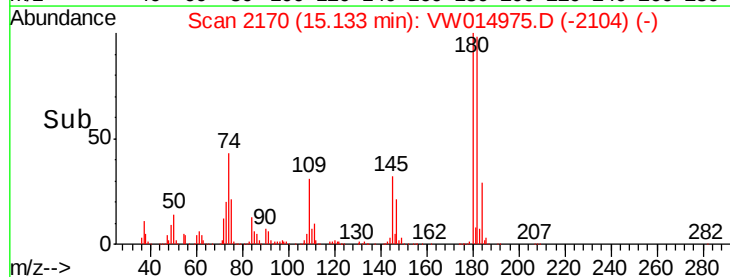
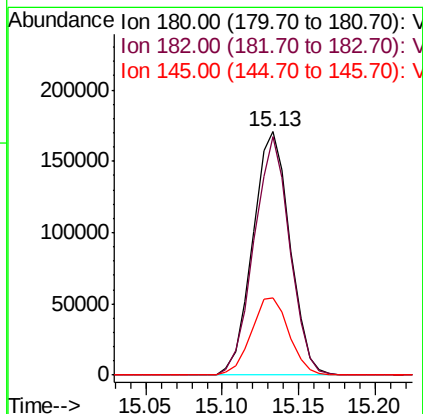
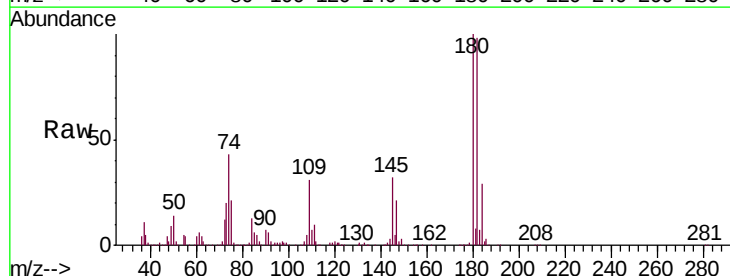
Instrument :
 MSVOA_W
 ClientSampleId :
 VICV306

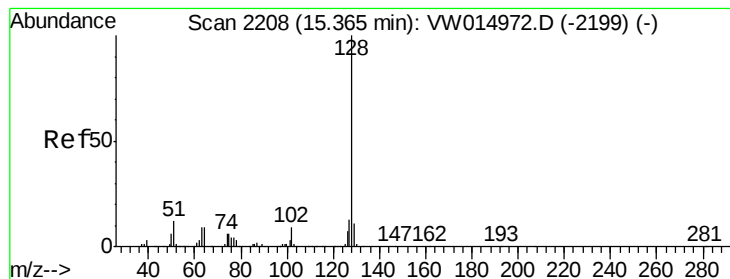
Tgt Ion:	180	Resp:	364896
Ion	Ratio	Lower	Upper
180	100		
182	94.5	76.5	114.7
184	30.2	24.2	36.2
145	31.5	25.0	37.6



#70
 1,2,4-trichlorobenzene
 Concen: 27.275 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW014975.D
 Acq: 13 Feb 2020 12:15

Tgt Ion:	180	Resp:	288588
Ion	Ratio	Lower	Upper
180	100		
182	94.4	76.2	114.4
145	32.5	26.2	39.4





#71

Naphthalene

Concen: 25.932 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW014975.D

Acq: 13 Feb 2020 12:15

Instrument :

MSVOA_W

ClientSampleId :

VICV306

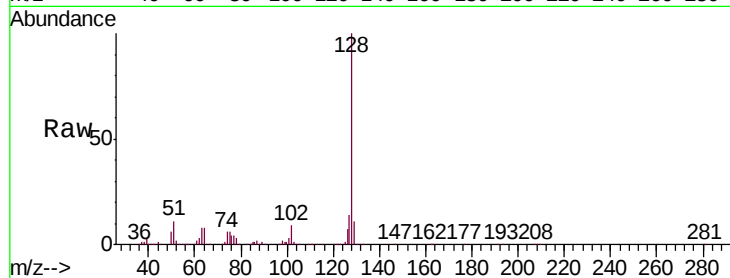
Tgt Ion:128 Resp: 281776

Ion Ratio Lower Upper

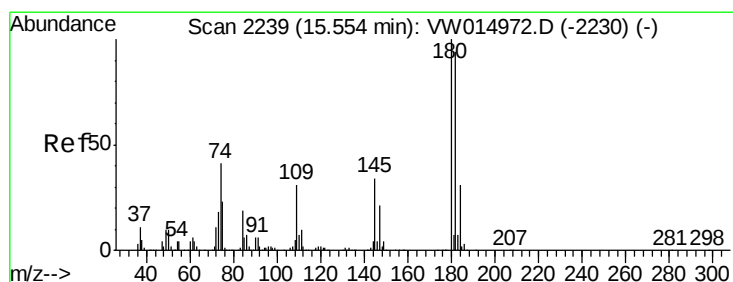
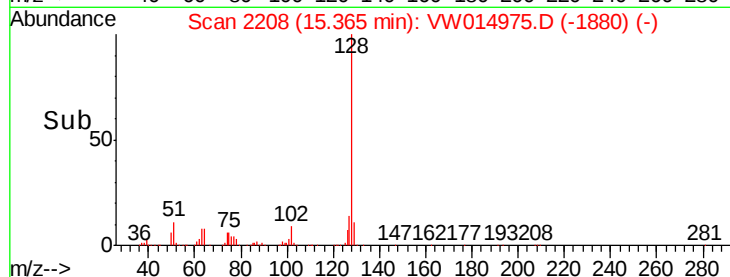
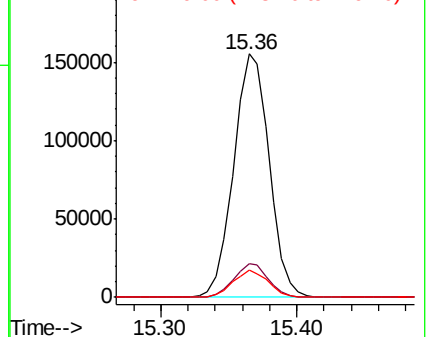
128 100

127 13.4 10.5 15.7

129 10.9 8.6 12.8



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



#72

1,2,3-Trichlorobenzene

Concen: 27.106 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW014975.D

Acq: 13 Feb 2020 12:15

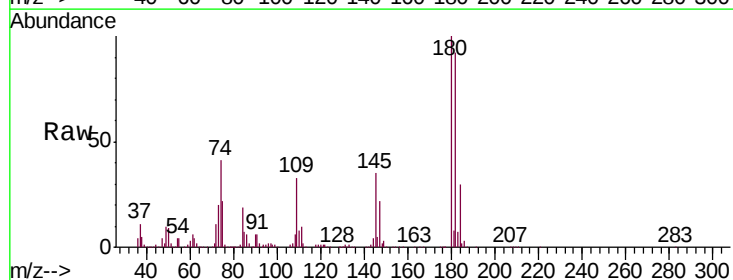
Tgt Ion:180 Resp: 265756

Ion Ratio Lower Upper

180 100

182 93.9 75.2 112.8

145 34.0 27.0 40.6



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

