

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080218\
 Data File : VW004405.D
 Acq On : 02 Aug 2018 17:16
 Operator : SY/AP
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VICV95

Quant Time: Aug 03 04:49:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM080218S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 02 17:07:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1073222	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	1045087	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	530900	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	277633	20.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.20%
7) Chloroethane-d5	2.89	69	241266	21.48	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.92%
10) 1,1-Dichloroethene-d2	4.01	63	580280	21.41	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	85.64%
20) 2-Butanone-d5	7.09	46	236037	40.10	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	80.20%
24) Chloroform-d	7.65	84	655445	22.56	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.24%
26) 1,2-Dichloroethane-d4	8.31	65	369771	22.83	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.32%
29) Benzene-d6	8.27	84	1276128	22.95	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.80%
33) 1,2-Dichloropropane-d6	9.27	67	414719	22.82	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.28%
37) Toluene-d8	10.33	98	1142581	23.31	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.24%
38) trans-1,3-Dichloropropene-	10.58	79	167135	22.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.48%
39) 2-Hexanone-d5	10.93	63	189960	42.94	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.88%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	428855	21.76	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	87.04%
61) 1,2-Dichlorobenzene-d4	13.86	152	453497	22.74	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.96%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	226697	20.316	ug/L 97
3) Chloromethane	2.22	50	323903	21.977	ug/L 97
5) Vinyl chloride	2.37	62	407908	21.209	ug/L 98
6) Bromomethane	2.78	94	232200	20.875	ug/L 99
8) Chloroethane	2.93	64	252734	21.904	ug/L 98
9) Trichlorofluoromethane	3.25	101	157043	17.902	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	343186	22.531	ug/L 95
12) 1,1-Dichloroethene	4.03	96	322314	21.659	ug/L 89
13) Acetone	4.14	43	174033	34.129	ug/L 99
14) Carbon disulfide	4.37	76	984387	21.566	ug/L 100
15) Methyl Acetate	4.67	43	212684	20.463	ug/L 99
16) Methylene chloride	4.91	84	404460	18.974	ug/L 99
17) Methyl tert-butyl Ether	5.42	73	440448	21.866	ug/L 100
18) trans-1,2-Dichloroethene	5.42	96	336053	22.082	ug/L 98
19) 1,1-Dichloroethane	6.21	63	657775	22.778	ug/L 98
21) 2-Butanone	7.18	43	268300	38.439	ug/L 100
22) cis-1,2-Dichloroethene	7.17	96	376437	22.663	ug/L 100

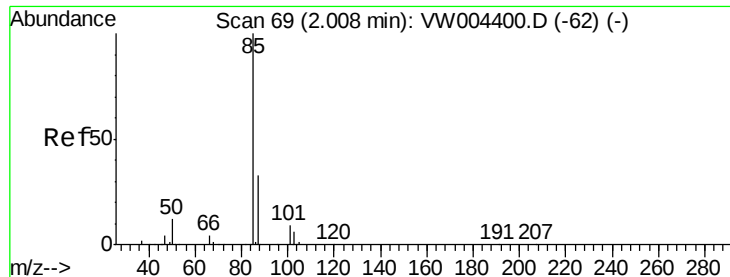
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080218\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	177950	22.383	ug/L	99
25) Chloroform	7.67	83	665212	22.567	ug/L	100
27) 1,2-Dichloroethane	8.40	62	445328	22.488	ug/L	99
30) Cyclohexane	7.96	56	557638	22.562	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	479798	21.608	ug/L	99
32) Carbon tetrachloride	8.07	117	461369	21.560	ug/L	99
34) Benzene	8.32	78	1483896	23.029	ug/L	100
35) Trichloroethene	9.09	95	359696	22.193	ug/L	99
36) Methylcyclohexane	9.34	83	639624	22.481	ug/L	99
40) 1,2-Dichloropropane	9.37	63	395556	23.179	ug/L	99
41) Bromodichloromethane	9.65	83	461529	22.514	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	521613	22.344	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	546098	42.678	ug/L	99
44) Toluene	10.39	91	1514100	23.350	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	473245	22.552	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	297132	22.396	ug/L	98
47) Tetrachloroethene	10.87	164	279715	21.812	ug/L	99
49) 2-Hexanone	10.98	43	403657	41.979	ug/L	99
50) Dibromochloromethane	11.13	129	327426	22.248	ug/L	100
51) 1,2-Dibromoethane	11.24	107	278462	21.896	ug/L	100
52) Chlorobenzene	11.66	112	986014	22.485	ug/L	97
53) Ethylbenzene	11.74	91	1678485	23.036	ug/L	99
54) m,p-Xylene	11.85	106	639189	23.512	ug/L	97
55) o-xylene	12.17	106	608979	23.642	ug/L	99
56) Styrene	12.19	104	1100597	24.520	ug/L	99
57) Isopropylbenzene	12.47	105	1641282	23.540	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	416098	21.609	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	310745	21.607	ug/L	99
62) Bromoform	12.35	173	208636	21.623	ug/L	100
63) 1,3-Dichlorobenzene	13.51	146	737549	22.326	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	795461	22.405	ug/L	99
65) 1,2-Dichlorobenzene	13.88	146	746812	22.562	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	67559	19.870	ug/L	96
67) 1,3,5-Trichlorobenzene	14.64	180	569881	21.761	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	465956	21.993	ug/L	100
69) Naphthalene	15.38	128	1071684	22.181	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	474002	22.974	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 20.316 ug/L

RT: 2.01 min Scan# 69

Delta R.T. 0.00 min

Lab File: VW004405.D

Acq: 02 Aug 2018 17:16

Instrument :

MSVOA_W

ClientSampleId :

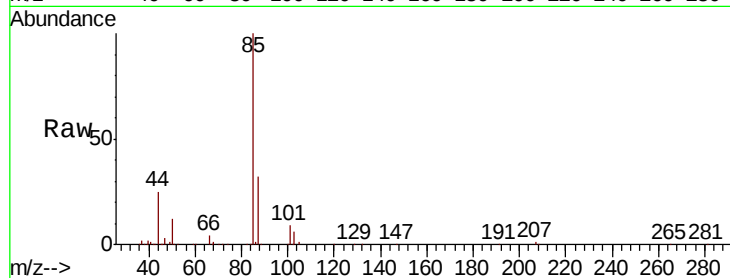
VICV95

Tot Ion: 85 Resp: 226697

Ion Ratio Lower Upper

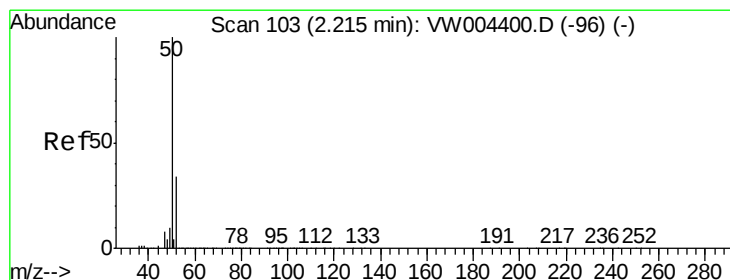
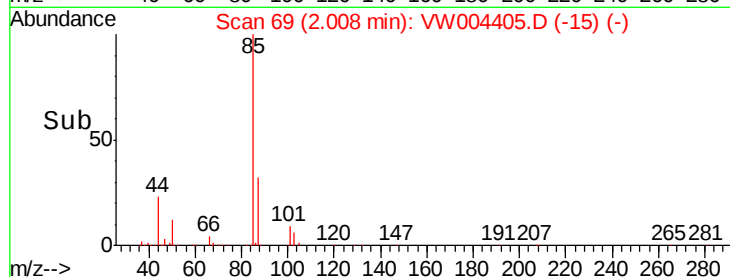
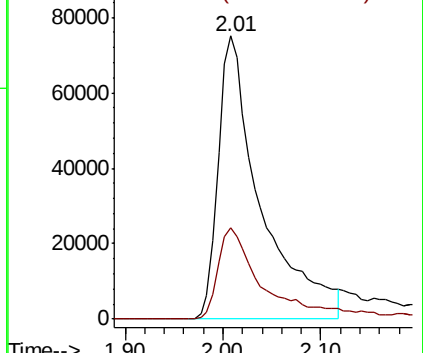
85 100

87 30.4 20.2 37.4



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 21.977 ug/L

RT: 2.22 min Scan# 103

Delta R.T. 0.00 min

Lab File: VW004405.D

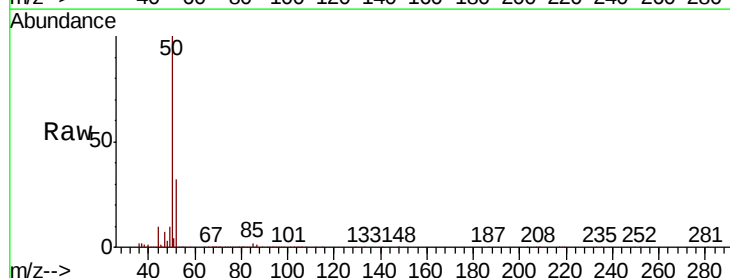
Acq: 02 Aug 2018 17:16

Tgt Ion: 50 Resp: 323903

Ion Ratio Lower Upper

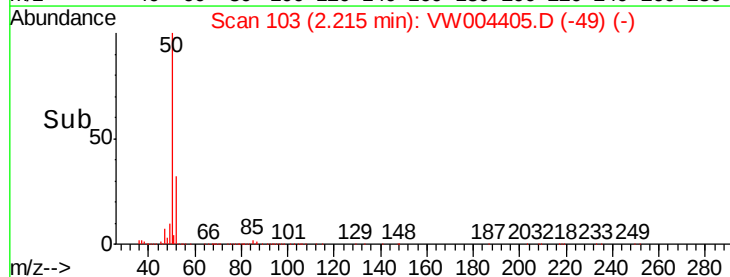
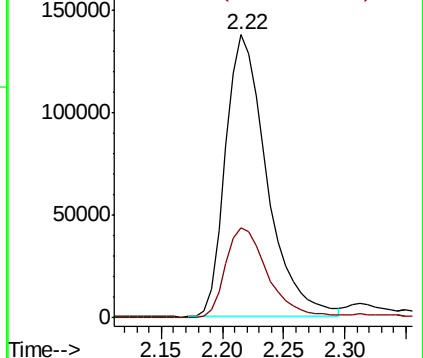
50 100

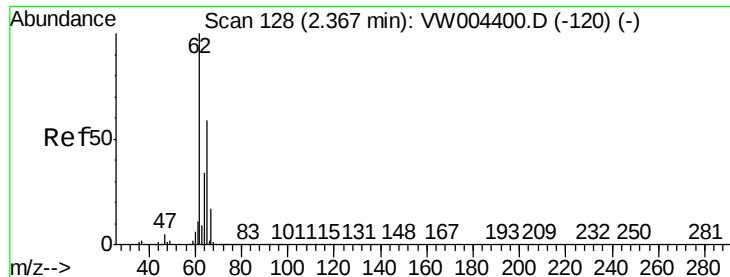
52 31.8 23.4 43.6



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 21.209 ug/L

RT: 2.37 min Scan# 128

Delta R.T. 0.00 min

Lab File: VW004405.D

Acq: 02 Aug 2018 17:16

Instrument :

MSVOA_W

ClientSampleId :

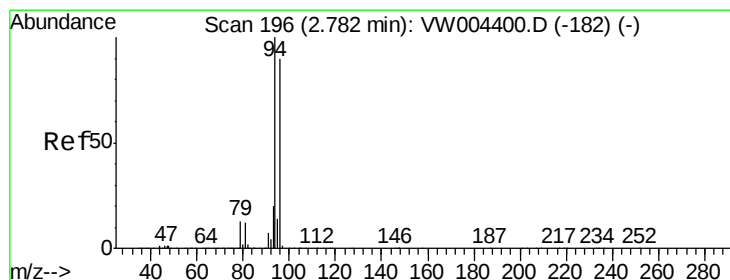
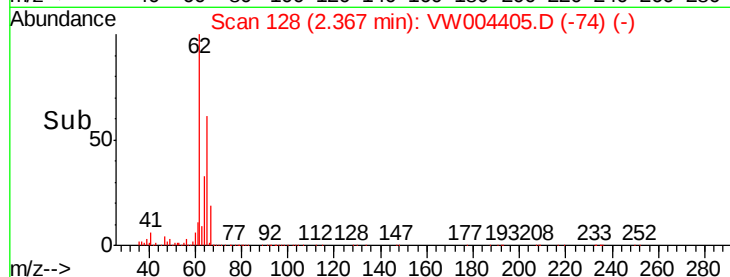
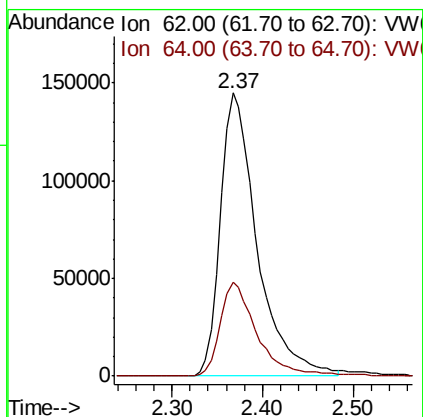
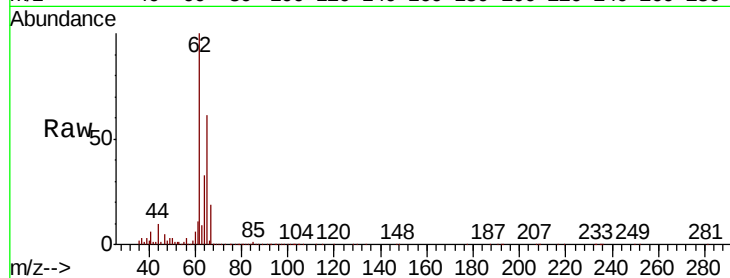
VICV95

Tot Ion: 62 Resp: 407908

Ion Ratio Lower Upper

62 100

64 33.0 24.0 44.6



#6

Bromomethane

Concen: 20.875 ug/L

RT: 2.78 min Scan# 196

Delta R.T. 0.00 min

Lab File: VW004405.D

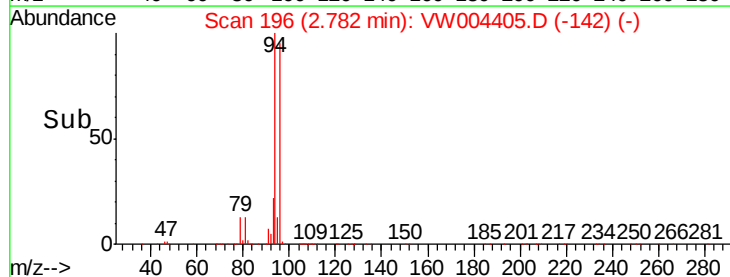
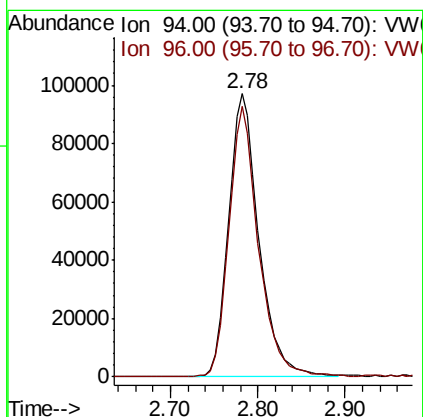
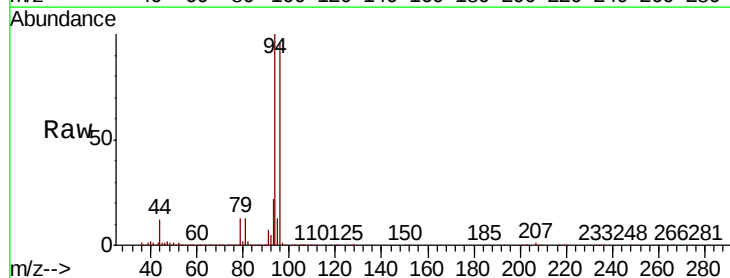
Acq: 02 Aug 2018 17:16

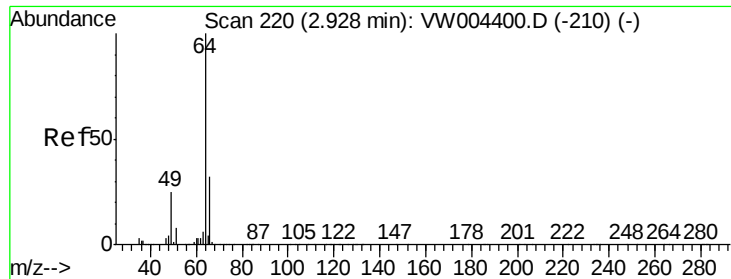
Tgt Ion: 94 Resp: 232200

Ion Ratio Lower Upper

94 100

96 92.9 9.2 175.2





#8

Chloroethane

Concen: 21.904 ug/L

RT: 2.93 min Scan# 220

Delta R.T. 0.00 min

Lab File: VW004405.D

Acq: 02 Aug 2018 17:16

Instrument :

MSVOA_W

ClientSampleId :

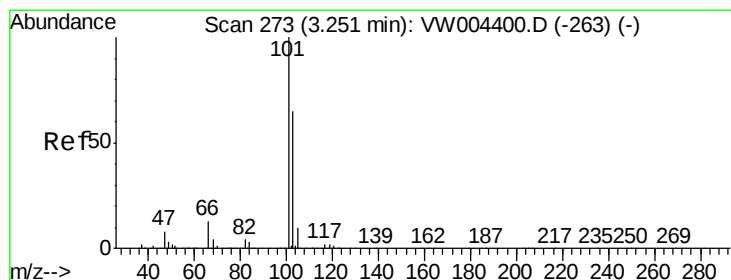
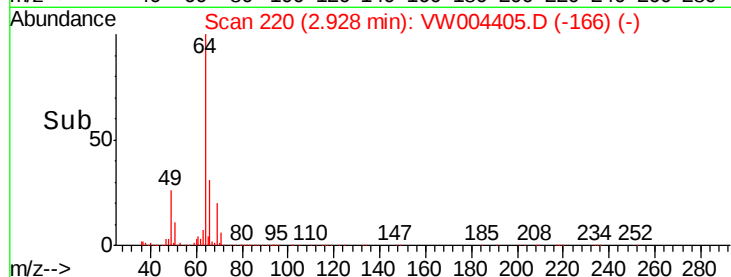
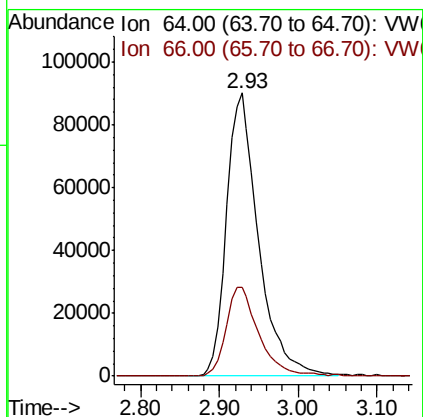
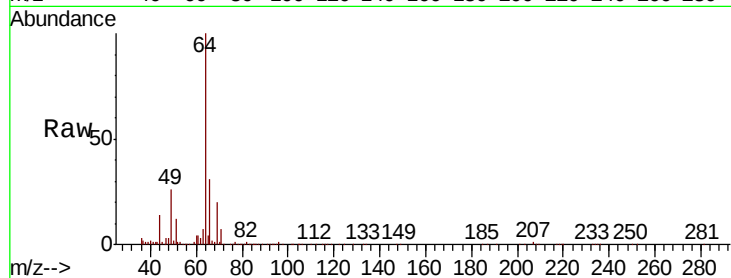
VICV95

Tot Ion: 64 Resp: 252734

Ion Ratio Lower Upper

64 100

66 31.4 22.8 42.4



#9

Trichlorofluoromethane

Concen: 17.902 ug/L

RT: 3.25 min Scan# 273

Delta R.T. 0.00 min

Lab File: VW004405.D

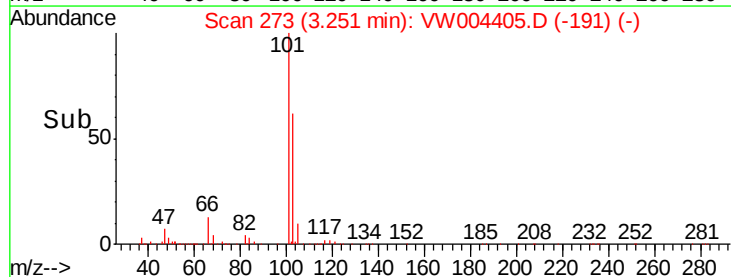
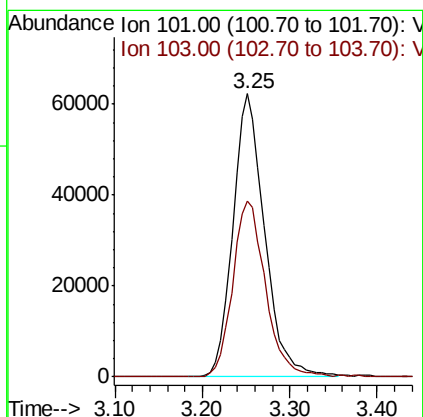
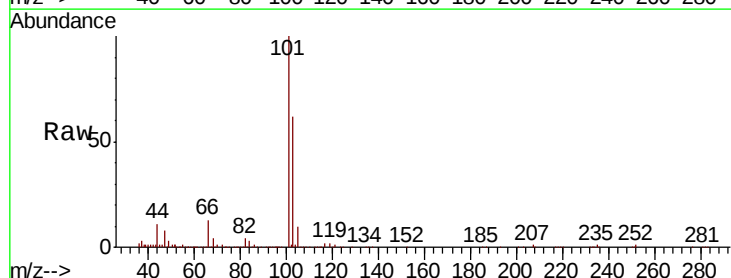
Acq: 02 Aug 2018 17:16

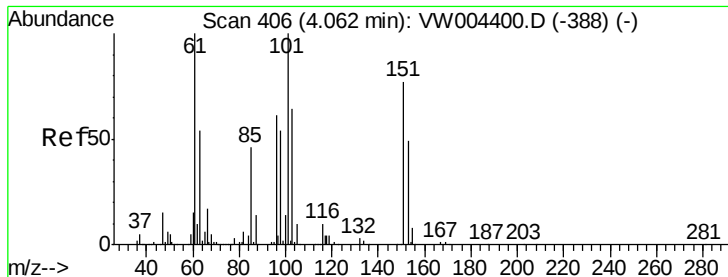
Tgt Ion: 101 Resp: 157043

Ion Ratio Lower Upper

101 100

103 64.2 45.3 84.1





#11

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

Concen: 22.531 ug/L

RT: 4.06 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW004405.D

Acq: 02 Aug 2018 17:16

Instrument :

MSVOA_W

ClientSampleId :

VICV95

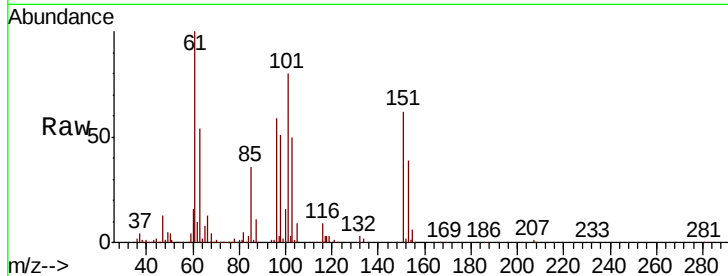
Tot Ion:101 Resp: 343186

Ion Ratio Lower Upper

101 100

85 41.3 35.6 53.4

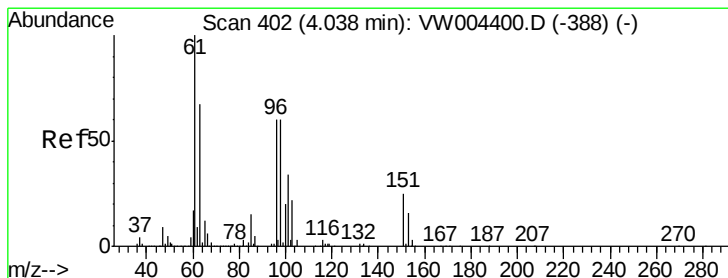
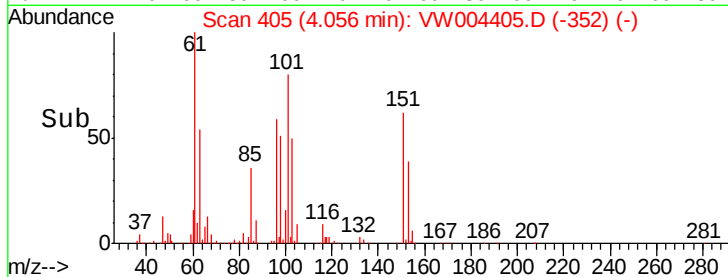
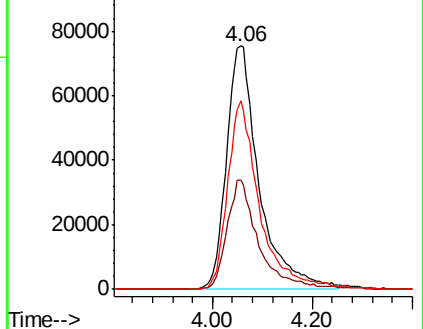
151 74.1 62.6 94.0



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: 21.659 ug/L

RT: 4.03 min Scan# 401

Delta R.T. -0.01 min

Lab File: VW004405.D

Acq: 02 Aug 2018 17:16

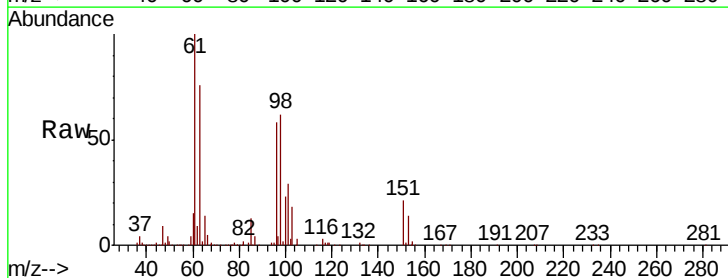
Tgt Ion: 96 Resp: 322314

Ion Ratio Lower Upper

96 100

61 173.5 115.9 215.3

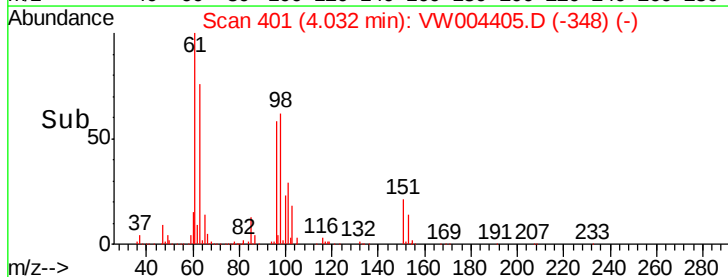
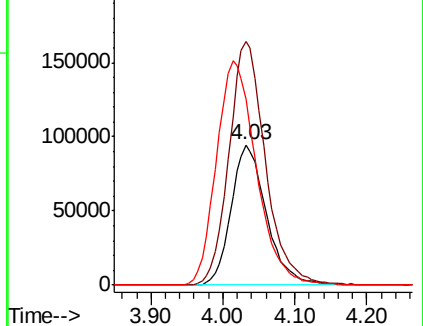
63 132.5 78.0 144.9

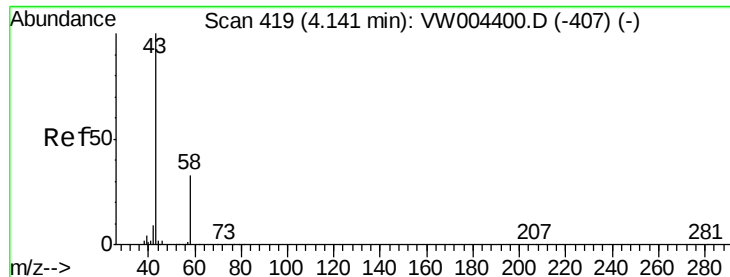


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 34.129 ug/L

RT: 4.14 min Scan# 419

Delta R.T. 0.00 min

Lab File: VW004405.D

Acq: 02 Aug 2018 17:16

Instrument :

MSVOA_W

ClientSampled :

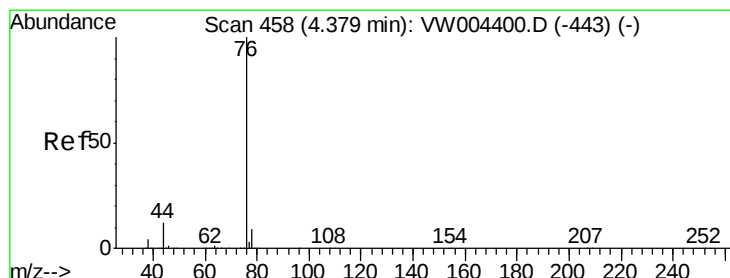
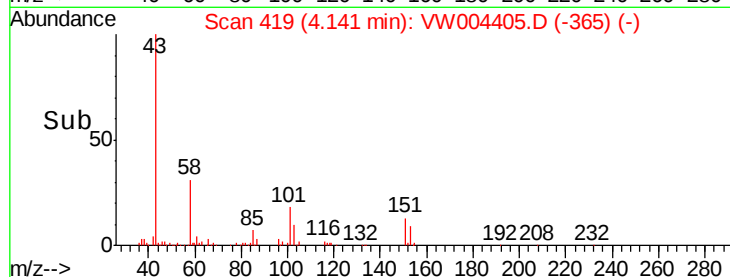
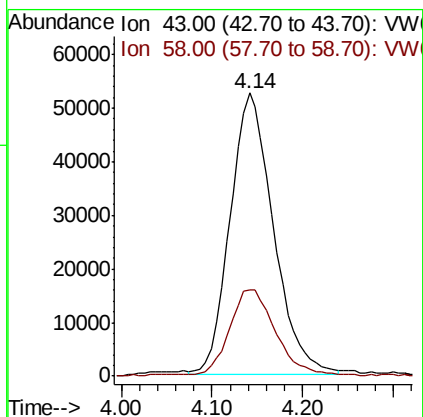
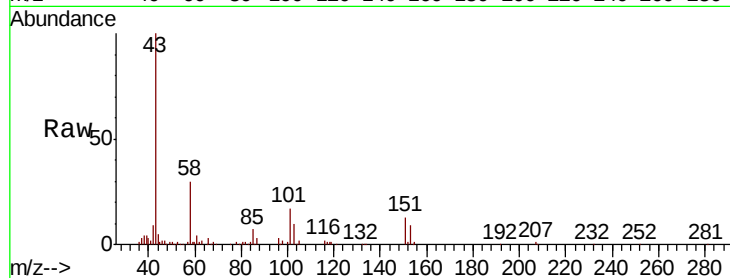
VICV95

Tot Ion: 43 Resp: 174033

Ion Ratio Lower Upper

43 100

58 32.8 0.0 66.4



#14

Carbon disulfide

Concen: 21.566 ug/L

RT: 4.37 min Scan# 457

Delta R.T. -0.01 min

Lab File: VW004405.D

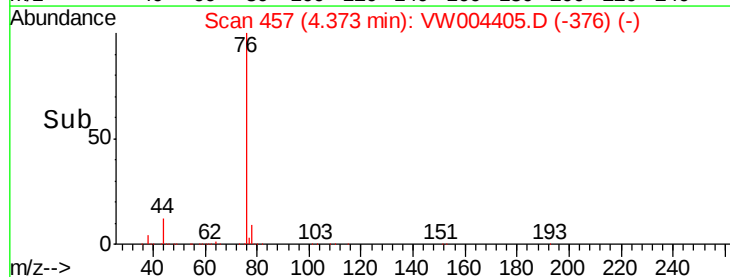
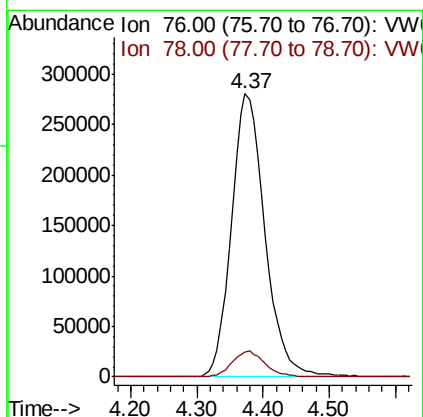
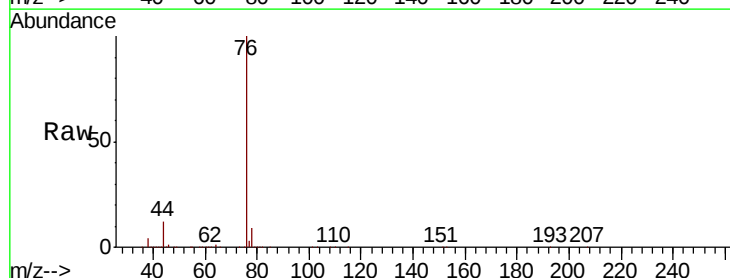
Acq: 02 Aug 2018 17:16

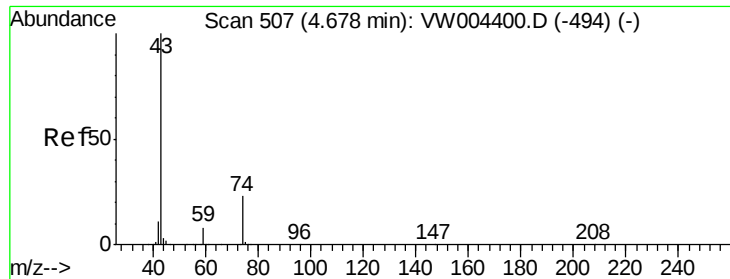
Tgt Ion: 76 Resp: 984387

Ion Ratio Lower Upper

76 100

78 8.8 7.2 10.8

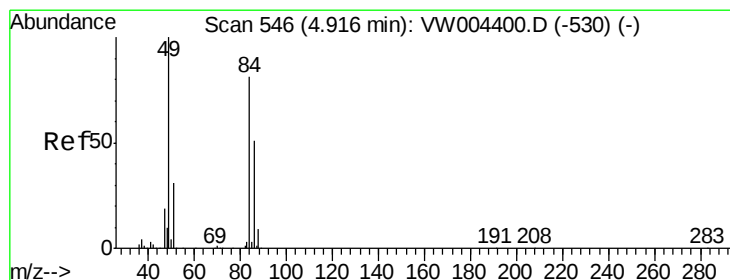
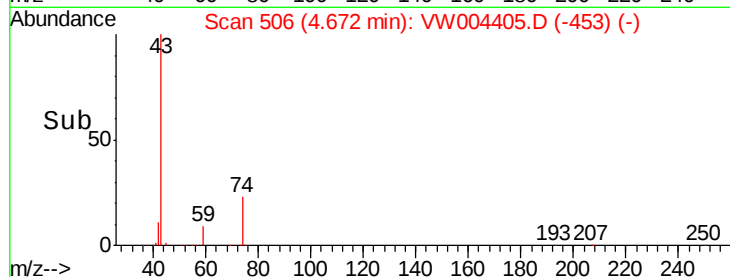
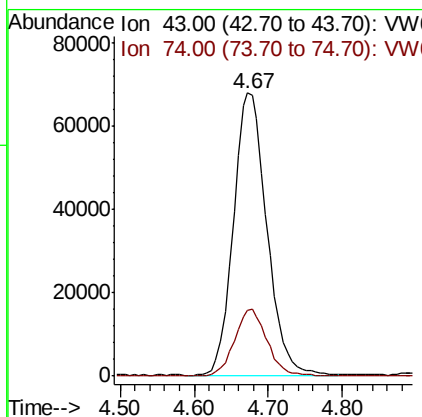
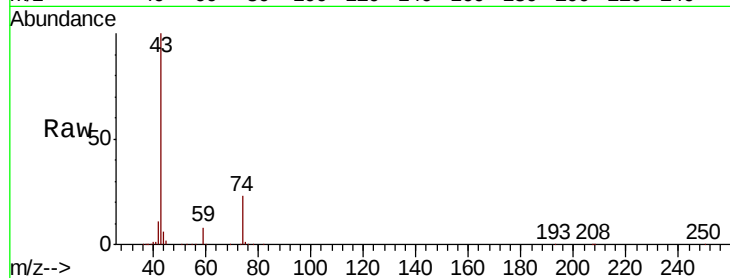




#15
Methvl Acetate
Concen: 20.463 ug/L
RT: 4.67 min Scan# 506
Delta R.T. -0.01 min
Lab File: VW004405.D
Acq: 02 Aug 2018 17:16

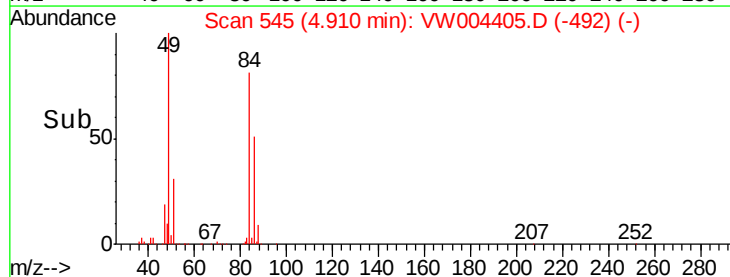
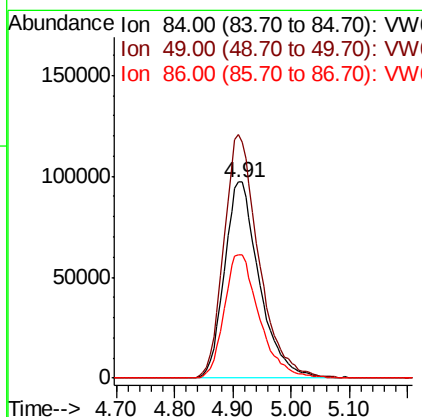
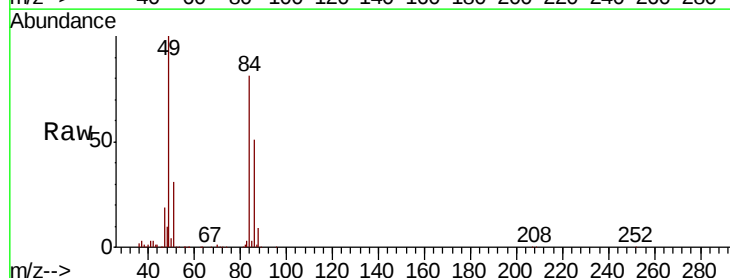
Instrument :
MSVOA_W
ClientSampleId :
VICV95

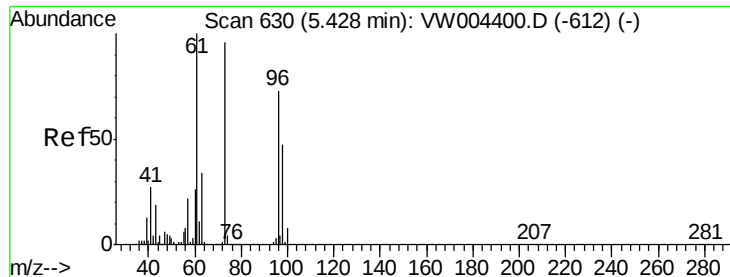
Tot Ion: 43 Resp: 212684
Ion Ratio Lower Upper
43 100
74 23.0 18.6 28.0



#16
Methylene chloride
Concen: 18.974 ug/L
RT: 4.91 min Scan# 545
Delta R.T. -0.01 min
Lab File: VW004405.D
Acq: 02 Aug 2018 17:16

Tgt Ion: 84 Resp: 404460
Ion Ratio Lower Upper
84 100
49 124.1 86.0 159.6
86 62.7 43.5 80.9

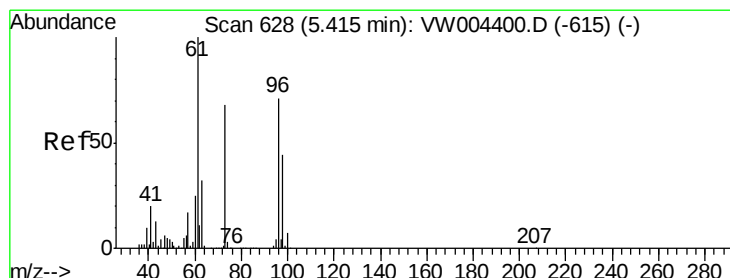
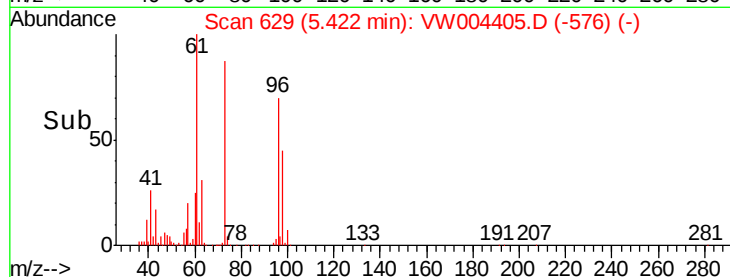
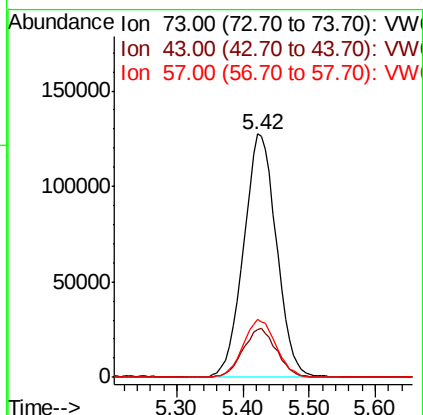
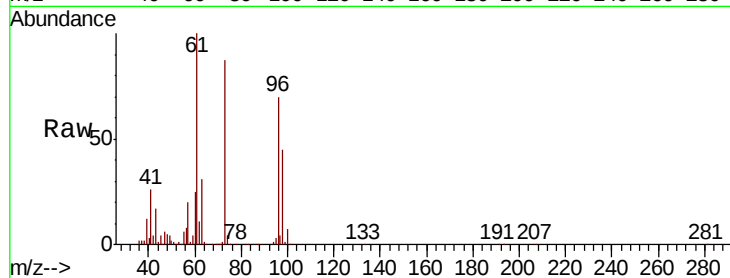




#17
Methvl tert-butvl Ether
Concen: 21.866 ug/L
RT: 5.42 min Scan# 629
Delta R.T. -0.01 min
Lab File: VW004405.D
Acq: 02 Aug 2018 17:16

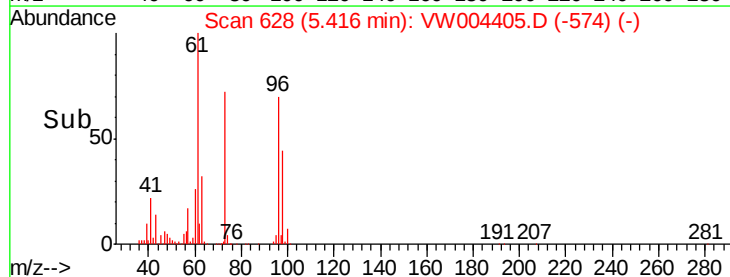
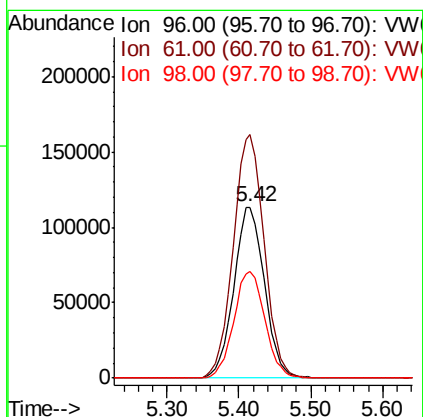
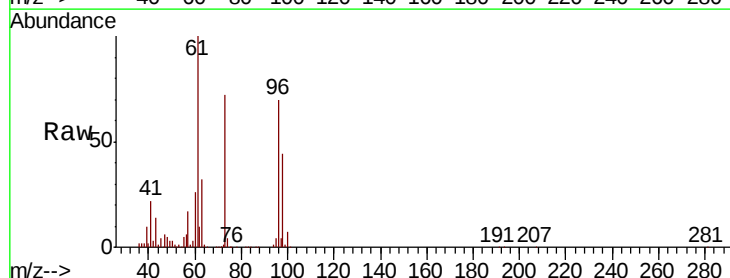
Instrument :
MSVOA_W
ClientSampleId :
VICV95

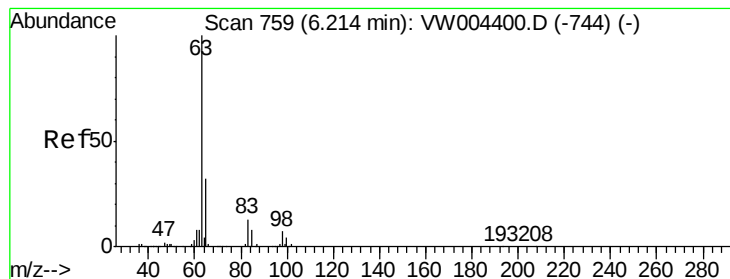
Tot Ion: 73 Resp: 440448
Ion Ratio Lower Upper
73 100
43 20.0 16.2 24.2
57 23.8 18.9 28.3



#18
trans-1,2-Dichloroethene
Concen: 22.082 ug/L
RT: 5.42 min Scan# 628
Delta R.T. 0.00 min
Lab File: VW004405.D
Acq: 02 Aug 2018 17:16

Tgt Ion: 96 Resp: 336053
Ion Ratio Lower Upper
96 100
61 142.3 97.9 181.7
98 62.6 43.0 79.8





#19

1,1-Dichloroethane

Concen: 22.778 ug/L

RT: 6.21 min Scan# 759

Delta R.T. 0.00 min

Lab File: VW004405.D

Acq: 02 Aug 2018 17:16

Instrument :

MSVOA_W

ClientSampled :

VICV95

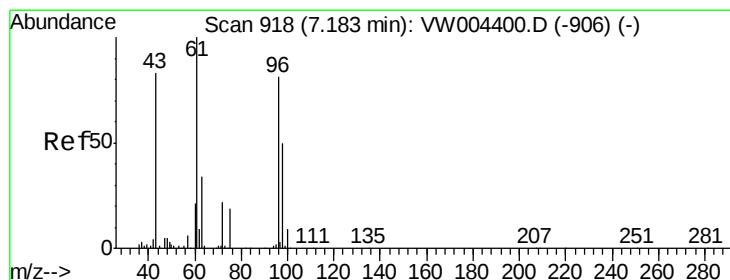
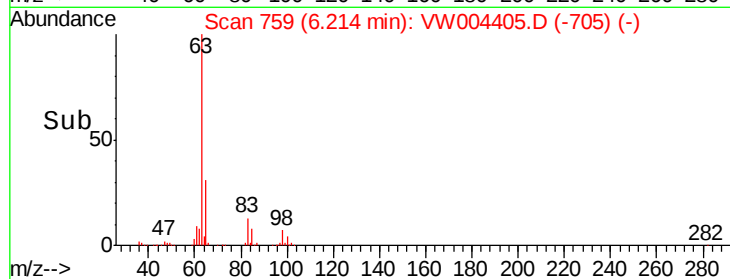
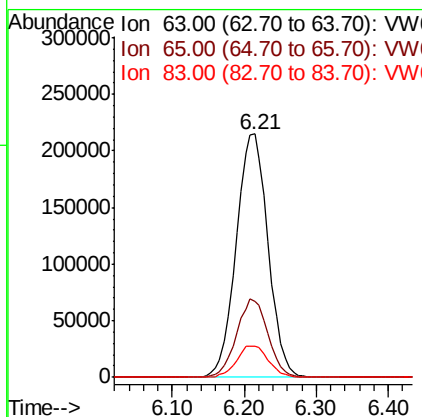
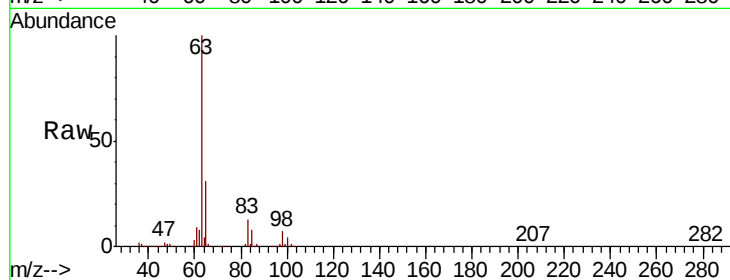
Tot Ion: 63 Resp: 657775

Ion Ratio Lower Upper

63 100

65 31.2 22.5 41.7

83 12.7 9.3 17.3



#21

2-Butanone

Concen: 38.439 ug/L

RT: 7.18 min Scan# 918

Delta R.T. 0.00 min

Lab File: VW004405.D

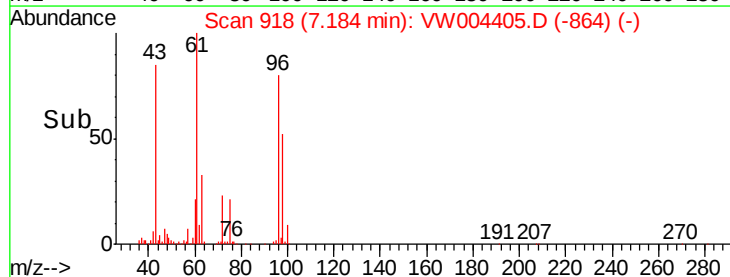
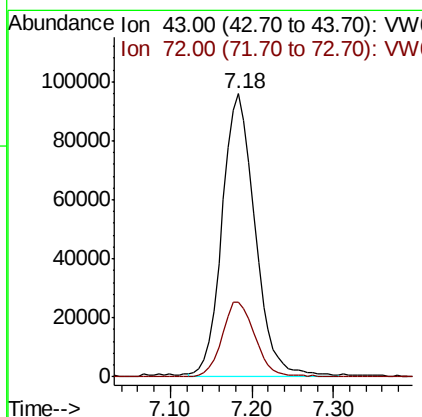
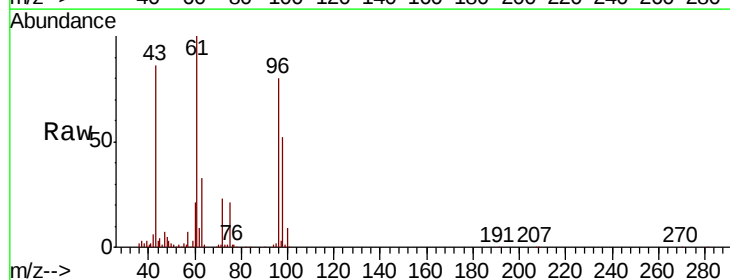
Acq: 02 Aug 2018 17:16

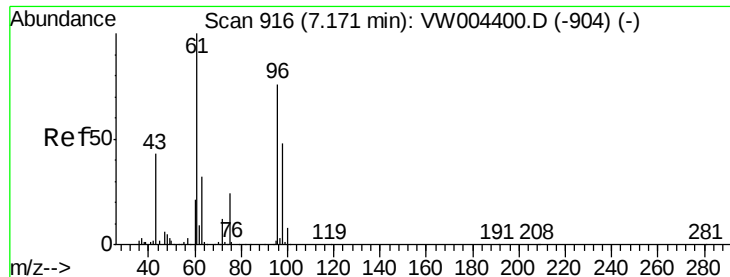
Tgt Ion: 43 Resp: 268300

Ion Ratio Lower Upper

43 100

72 26.3 13.2 39.6



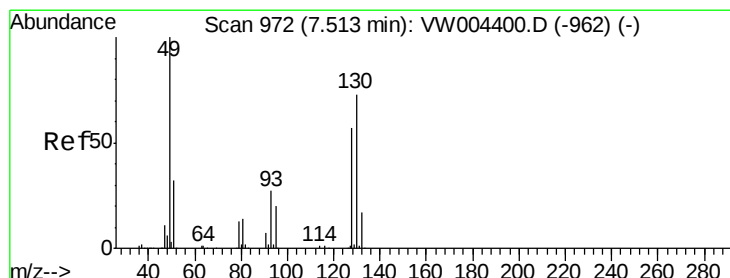
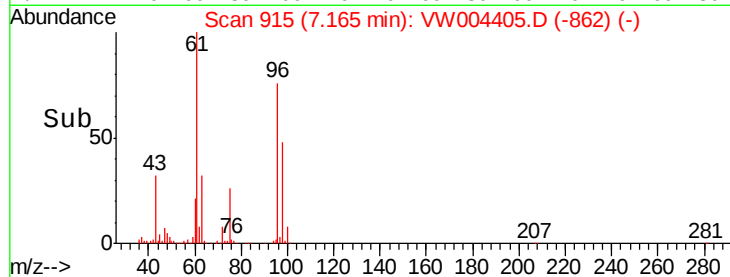
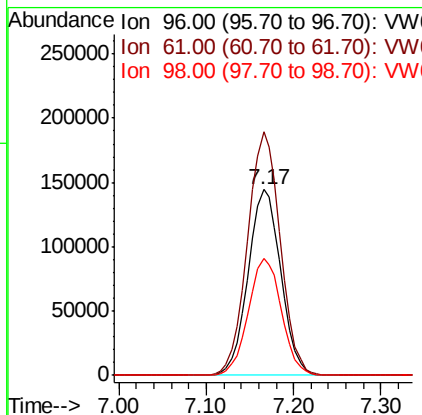
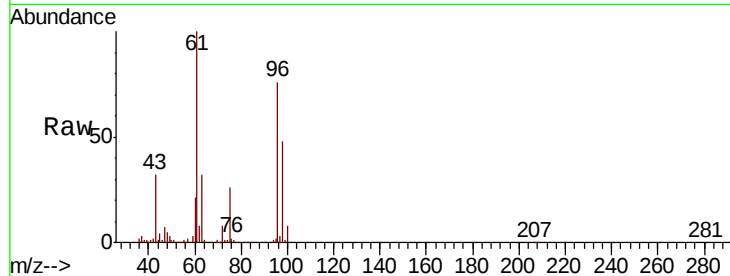


#22

cis-1,2-Dichloroethene
Concen: 22.663 ug/L
RT: 7.17 min Scan# 915
Delta R.T. -0.01 min
Lab File: VW004405.D
Acq: 02 Aug 2018 17:16

Instrument :
MSVOA_W
ClientSampleId :
VICV95

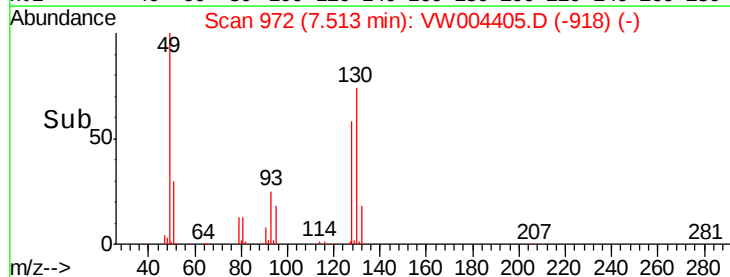
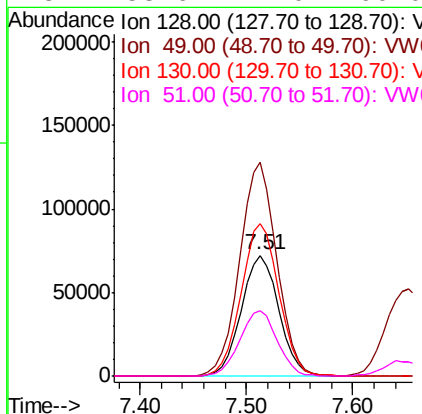
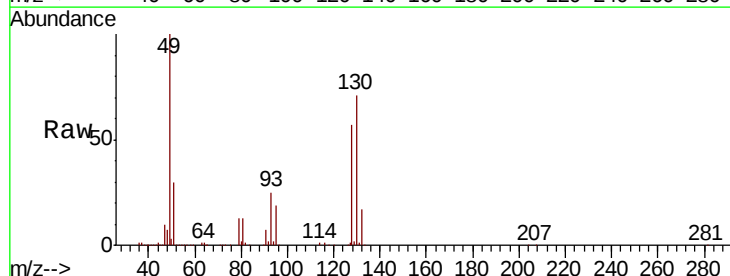
Tot Ion	Ratio	Lower	Upper
96	100		
61	131.3	92.5	171.7
98	63.1	44.1	81.9

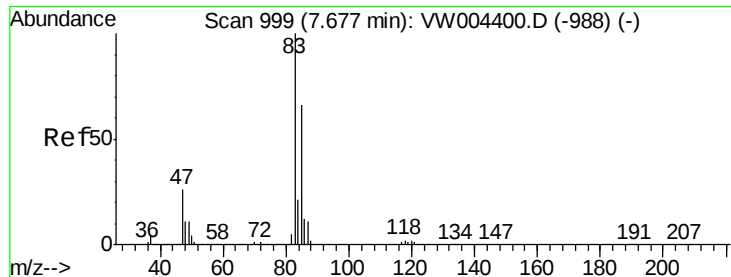


#23

Bromochloromethane
Concen: 22.383 ug/L
RT: 7.51 min Scan# 972
Delta R.T. 0.00 min
Lab File: VW004405.D
Acq: 02 Aug 2018 17:16

Tgt Ion	Ratio	Lower	Upper
128	100		
49	176.9	122.0	226.6
130	126.4	88.8	164.8
51	53.6	44.0	66.0





#25

Chloroform

Concen: 22.567 ug/L

RT: 7.67 min Scan# 998

Delta R.T. -0.01 min

Lab File: VW004405.D

Acq: 02 Aug 2018 17:16

Instrument :

MSVOA_W

ClientSampled :

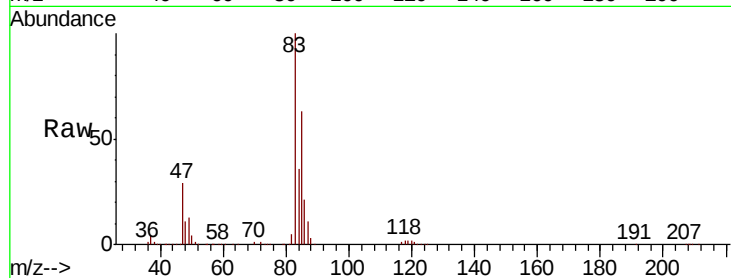
VICV95

Tot Ion: 83 Resp: 665212

Ion Ratio Lower Upper

83 100

85 65.2 45.7 84.9



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

7.67

250000

200000

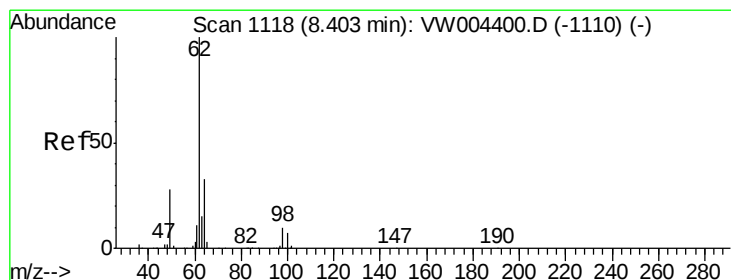
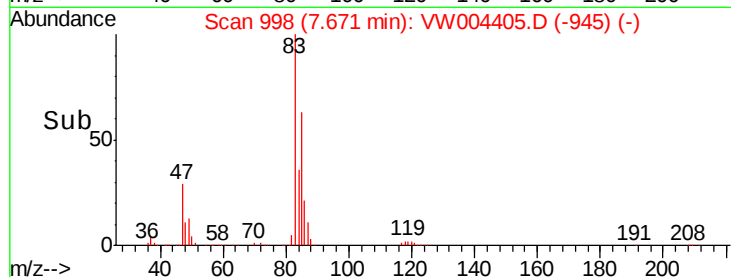
150000

100000

50000

0

Time-->



#27

1,2-Dichloroethane

Concen: 22.488 ug/L

RT: 8.40 min Scan# 1118

Delta R.T. 0.00 min

Lab File: VW004405.D

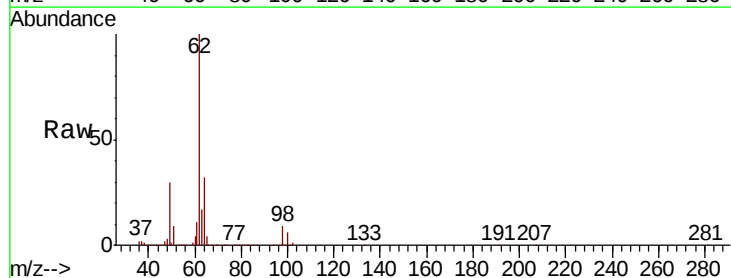
Acq: 02 Aug 2018 17:16

Tgt Ion: 62 Resp: 445328

Ion Ratio Lower Upper

62 100

98 9.3 7.6 11.4



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW

250000

200000

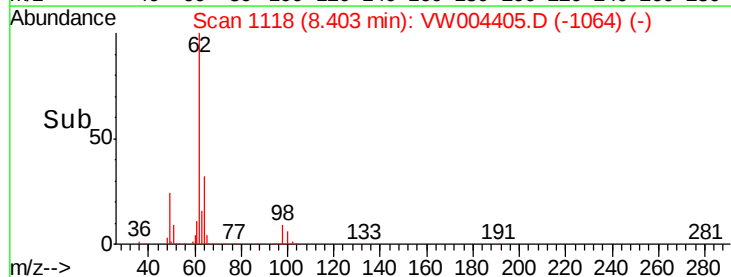
150000

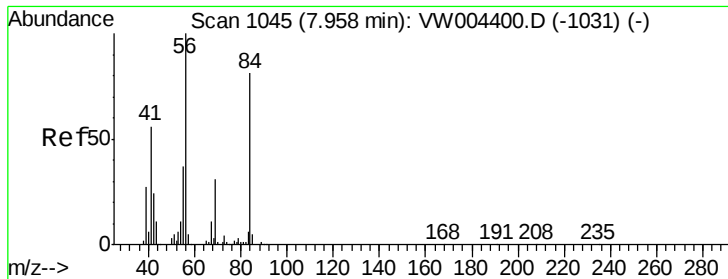
100000

50000

0

Time-->

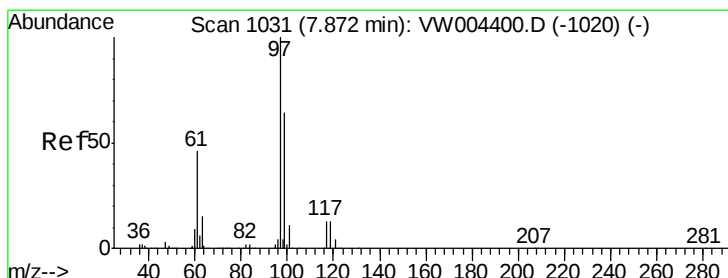
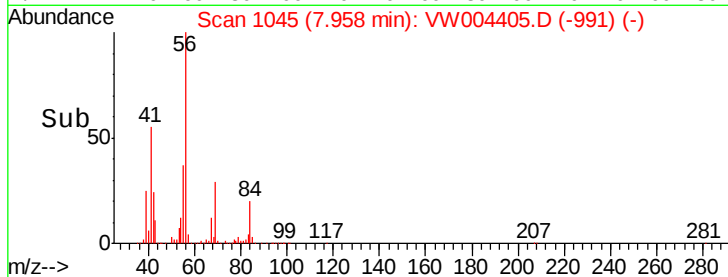
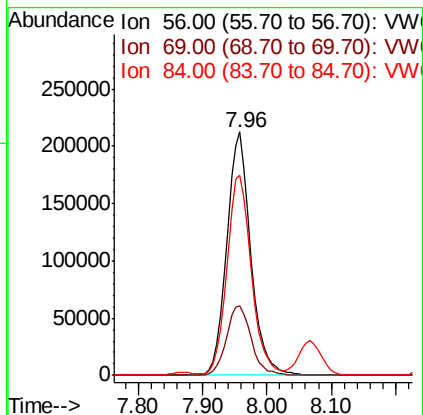
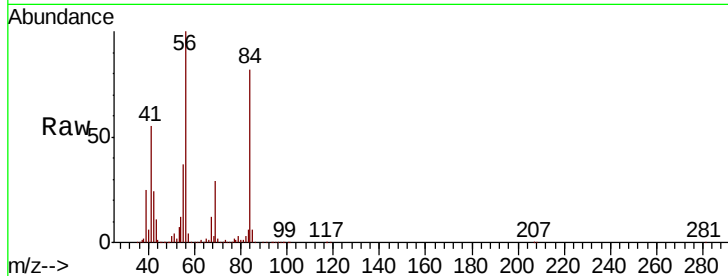




#30
Cyclohexane
Concen: 22.562 ug/L
RT: 7.96 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VW004405.D
Acq: 02 Aug 2018 17:16

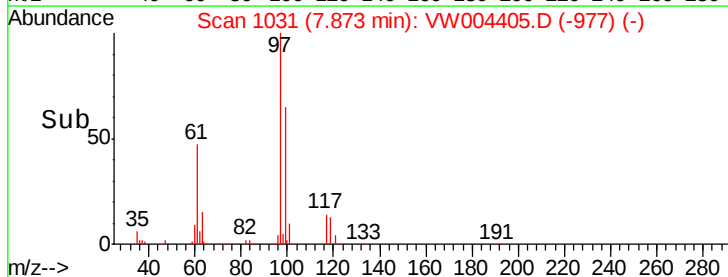
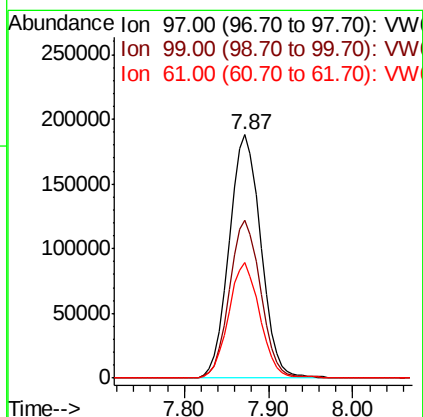
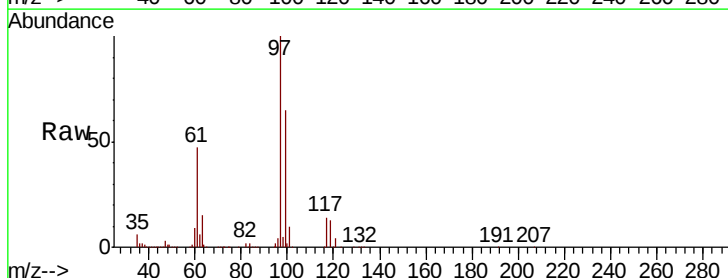
Instrument :
MSVOA_W
ClientSampled :
VICV95

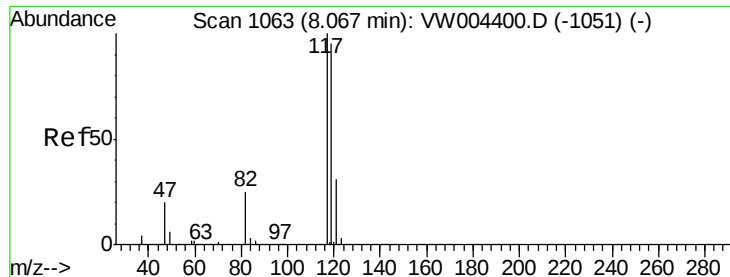
Tot Ion	Ratio	Lower	Upper
56	100		
69	29.6	24.0	36.0
84	83.4	66.7	100.1



#31
1,1,1-Trichloroethane
Concen: 21.608 ug/L
RT: 7.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VW004405.D
Acq: 02 Aug 2018 17:16

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.8	77.6
61	47.2	37.3	55.9





#32

Carbon tetrachloride

Concen: 21.560 ug/L

RT: 8.07 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VW004405.D

Acq: 02 Aug 2018 17:16

Instrument :

MSVOA_W

ClientSampled :

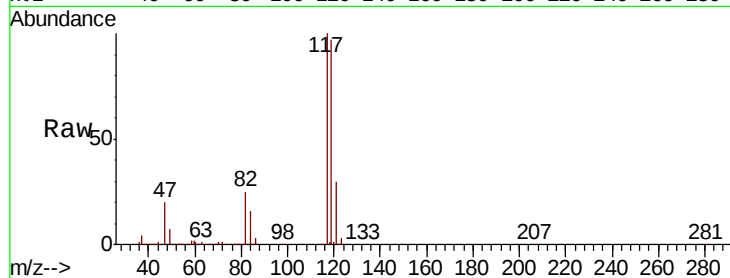
VICV95

Tot Ion:117 Resp: 461369

Ion Ratio Lower Upper

117 100

119 96.6 76.5 114.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

200000

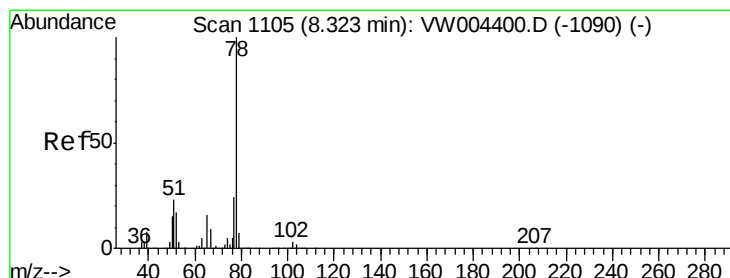
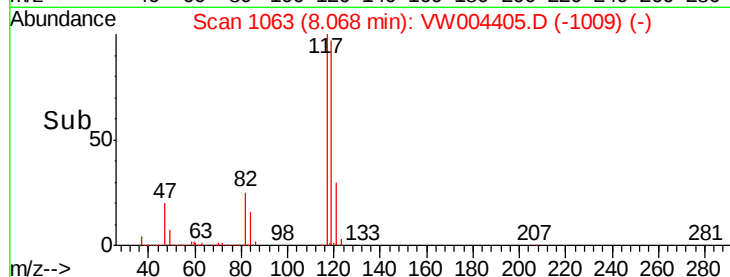
150000

100000

50000

0

Time-->



#34

Benzene

Concen: 23.029 ug/L

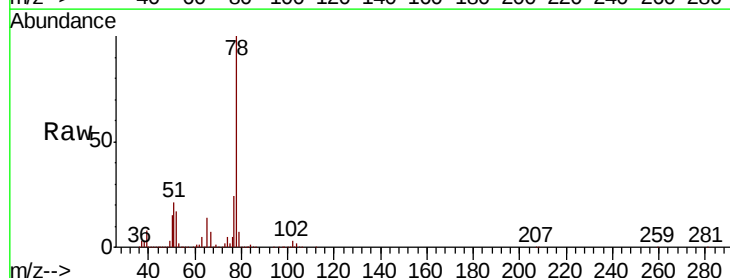
RT: 8.32 min Scan# 1105

Delta R.T. 0.00 min

Lab File: VW004405.D

Acq: 02 Aug 2018 17:16

Tgt Ion: 78 Resp: 1483896



Abundance Ion 78.00 (77.70 to 78.70): VW

800000

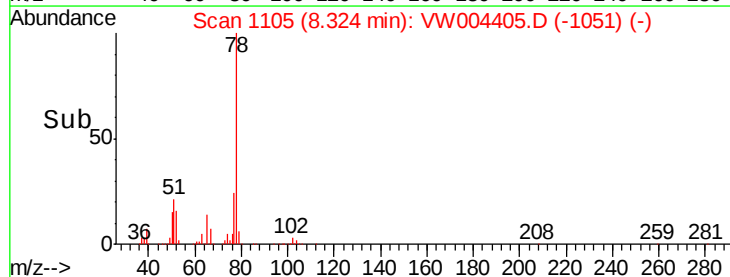
600000

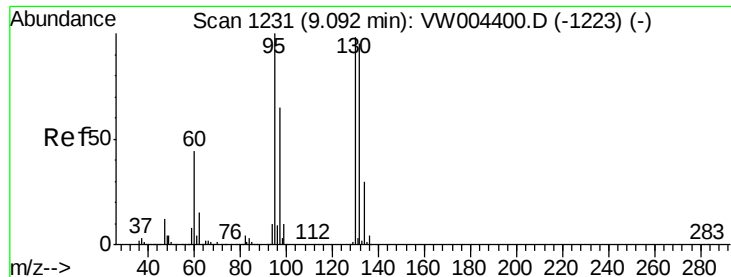
400000

200000

0

Time-->

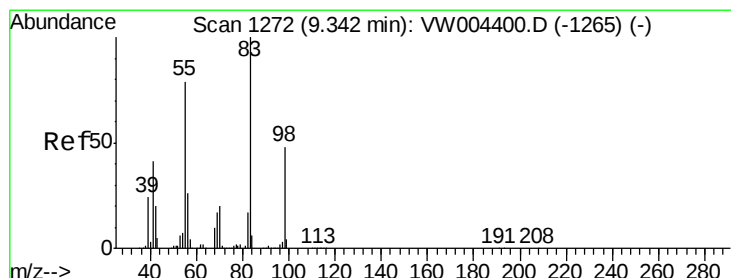
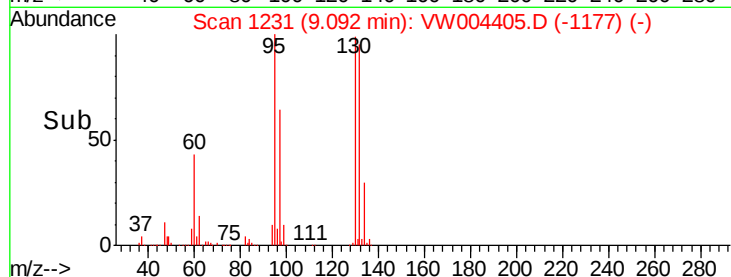
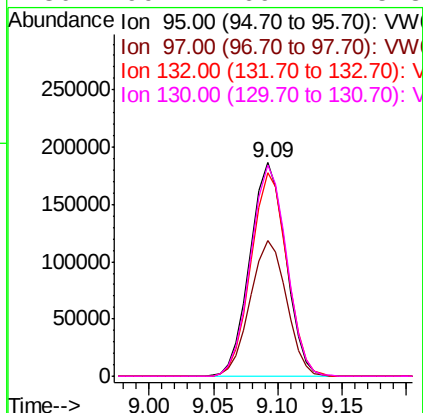
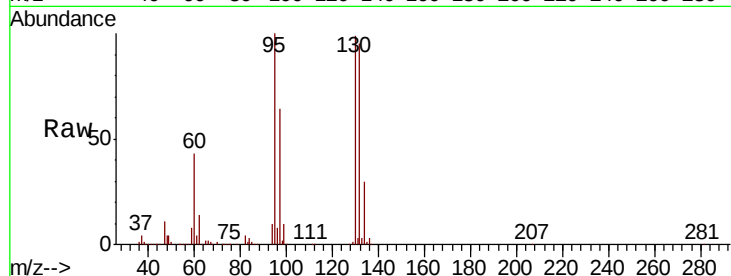




#35
 Trichloroethene
 Concen: 22.193 ug/L
 RT: 9.09 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: VW004405.D
 Acq: 02 Aug 2018 17:16

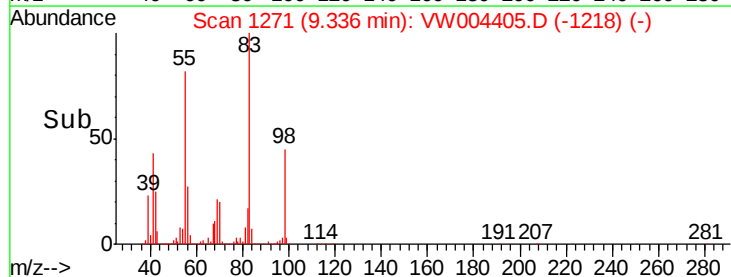
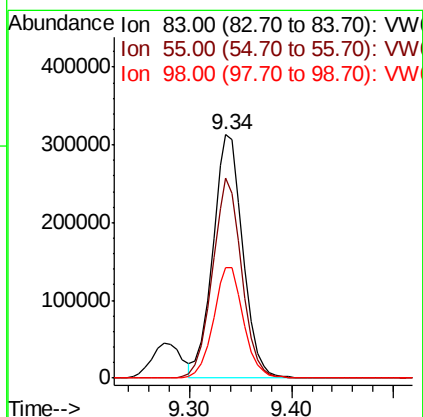
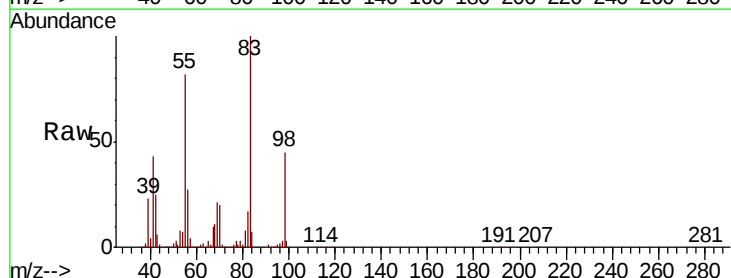
Instrument :
 MSVOA_W
 ClientSampleId :
 VICV95

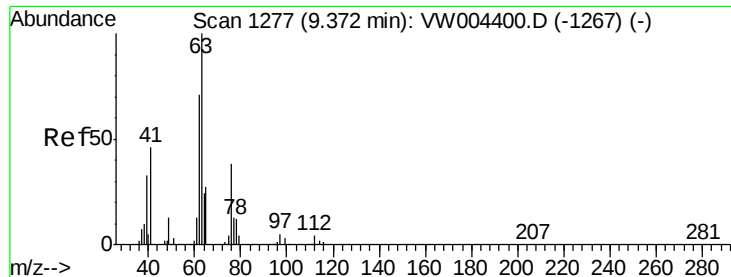
Tot Ion:	95	Resp:	359696
Ion	Ratio	Lower	Upper
95	100		
97	64.3	44.9	83.5
132	95.4	67.6	125.6
130	99.1	69.1	128.3



#36
 Methylcyclohexane
 Concen: 22.481 ug/L
 RT: 9.34 min Scan# 1271
 Delta R.T. -0.01 min
 Lab File: VW004405.D
 Acq: 02 Aug 2018 17:16

Tgt Ion:	83	Resp:	639624
Ion	Ratio	Lower	Upper
83	100		
55	80.2	62.8	94.2
98	46.0	36.6	54.8

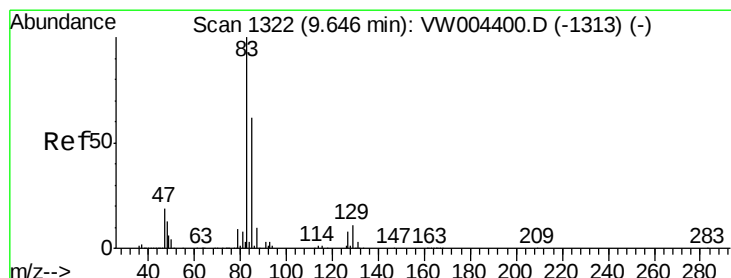
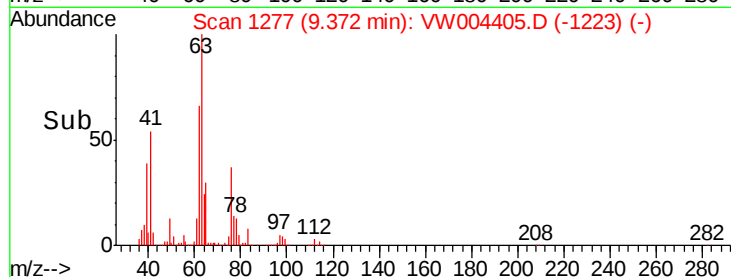
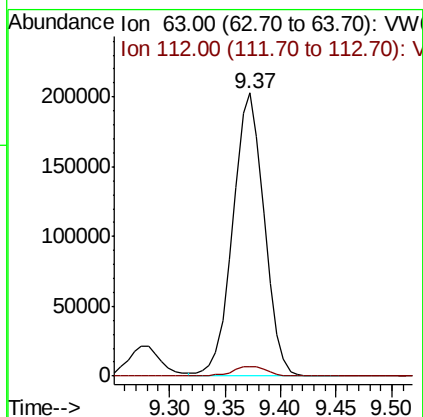
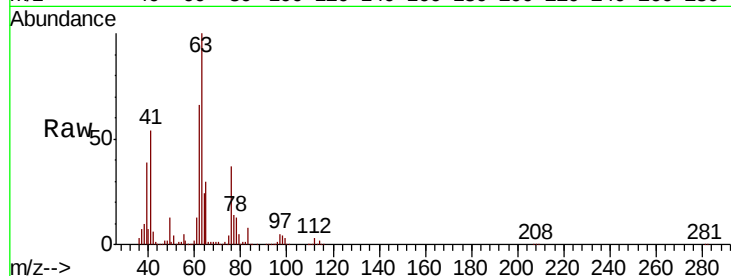




#40
 1,2-Dichloropropane
 Concen: 23.179 ug/L
 RT: 9.37 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VW004405.D
 Acq: 02 Aug 2018 17:16

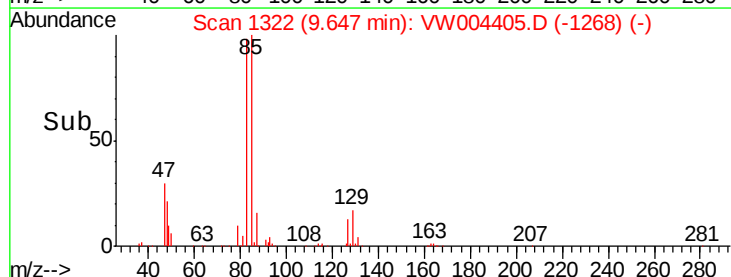
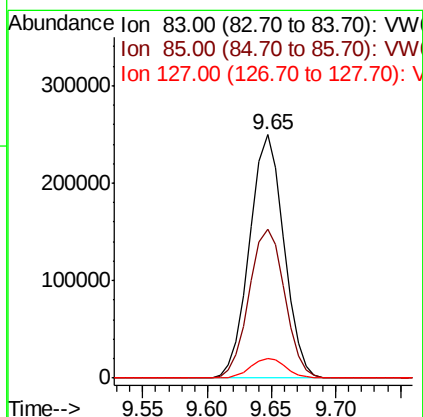
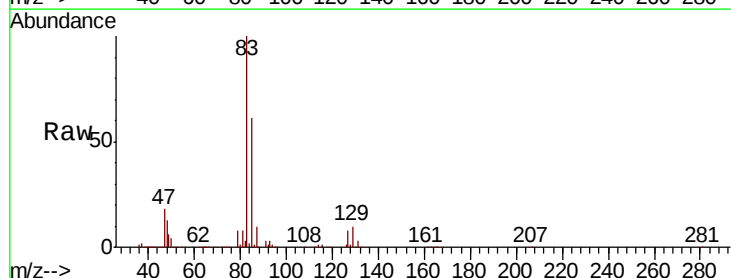
Instrument :
 MSVOA_W
 ClientSampled :
 VICV95

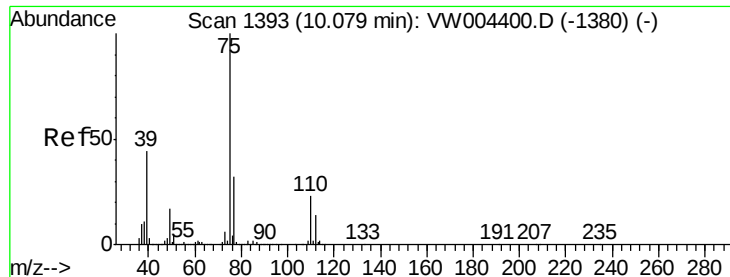
Tot Ion: 63 Resp: 395556
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.0 4.6



#41
 Bromodichloromethane
 Concen: 22.514 ug/L
 RT: 9.65 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VW004405.D
 Acq: 02 Aug 2018 17:16

Tgt Ion: 83 Resp: 461529
 Ion Ratio Lower Upper
 83 100
 85 61.4 43.7 81.1
 127 7.9 6.6 10.0





#42

cis-1,3-Dichloropropene

Concen: 22.344 ug/L

RT: 10.07 min Scan# 1392

Delta R.T. -0.01 min

Lab File: VW004405.D

Acq: 02 Aug 2018 17:16

Instrument :

MSVOA_W

ClientSampleId :

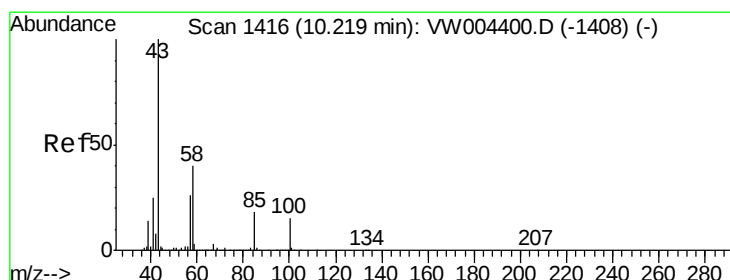
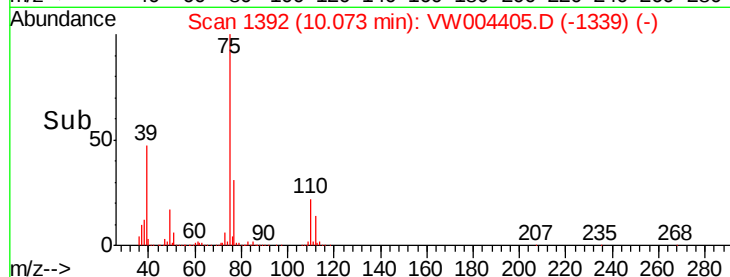
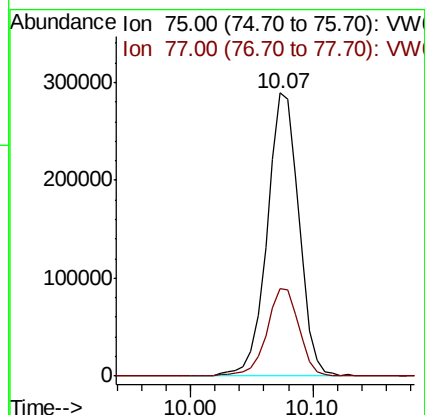
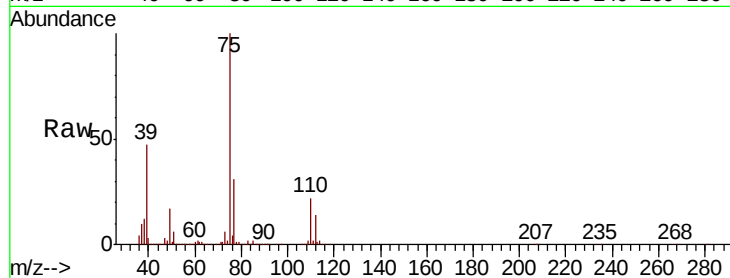
VICV95

Tot Ion: 75 Resp: 521613

Ion Ratio Lower Upper

75 100

77 30.8 22.5 41.7



#43

4-Methyl-2-pentanone

Concen: 42.678 ug/L

RT: 10.21 min Scan# 1415

Delta R.T. -0.01 min

Lab File: VW004405.D

Acq: 02 Aug 2018 17:16

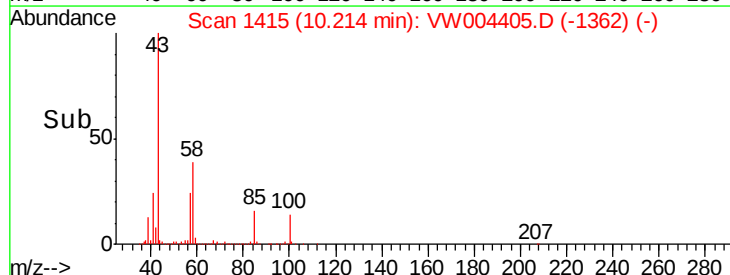
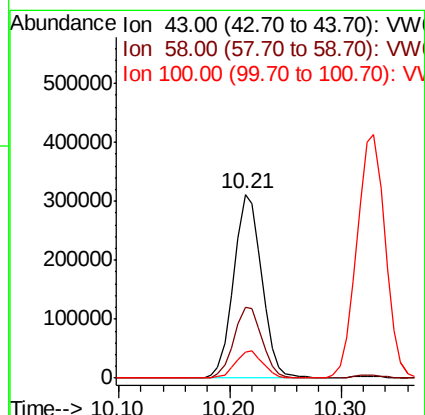
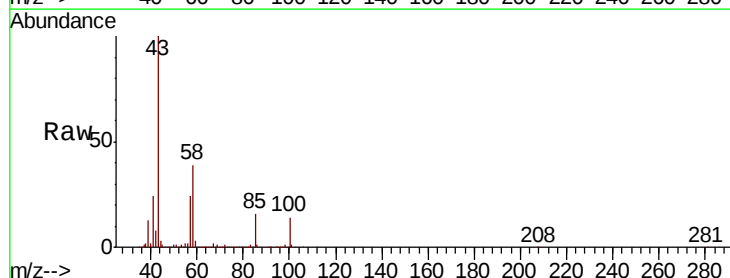
Tgt Ion: 43 Resp: 546098

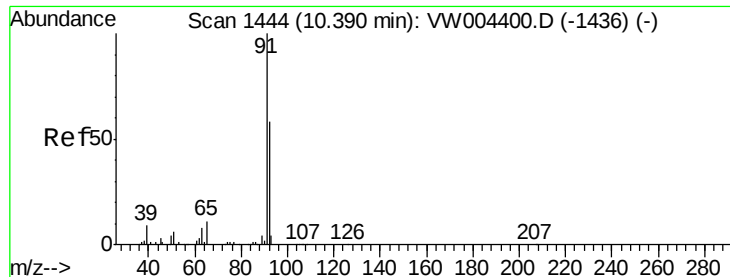
Ion Ratio Lower Upper

43 100

58 39.0 31.5 47.3

100 14.3 11.7 17.5





#44

Toluene

Concen: 23.350 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW004405.D

Acq: 02 Aug 2018 17:16

Instrument :

MSVOA_W

ClientSampled :

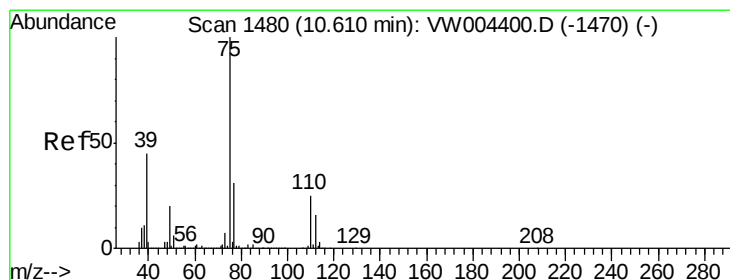
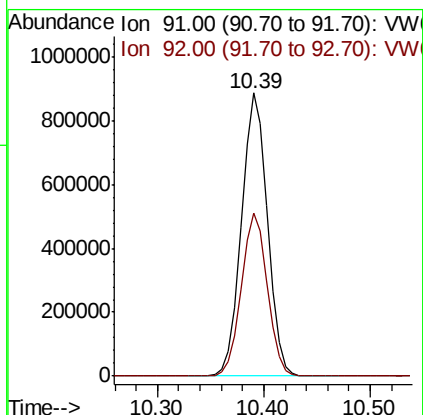
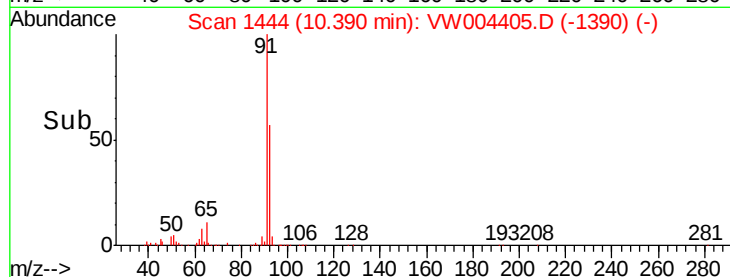
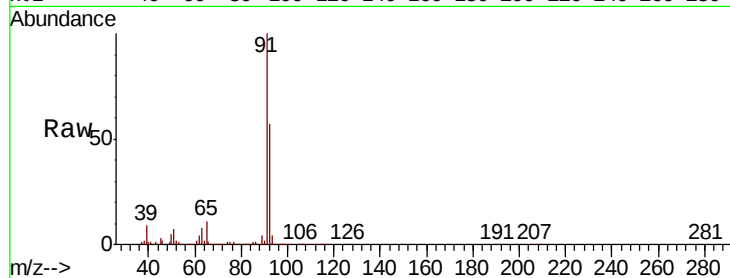
VICV95

Tot Ion: 91 Resp: 1514100

Ion Ratio Lower Upper

91 100

92 57.5 40.8 75.8



#45

trans-1,3-Dichloropropene

Concen: 22.552 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW004405.D

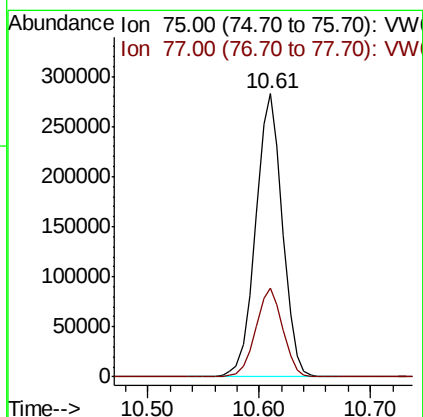
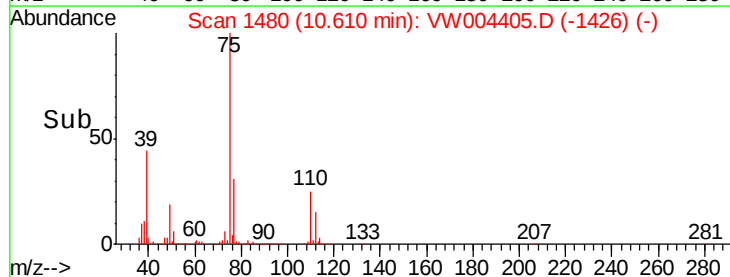
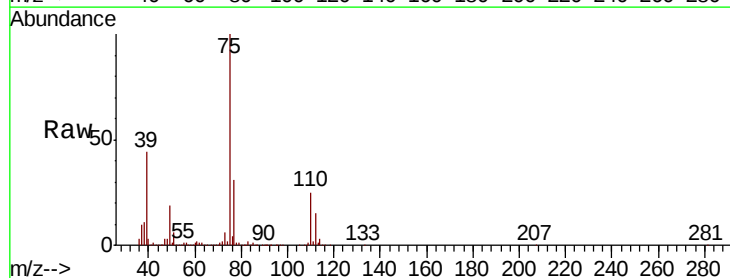
Acq: 02 Aug 2018 17:16

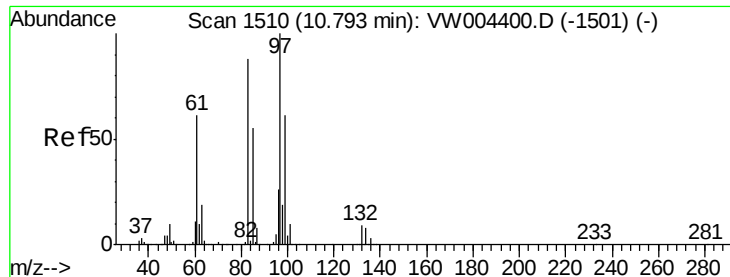
Tgt Ion: 75 Resp: 473245

Ion Ratio Lower Upper

75 100

77 31.5 21.8 40.6

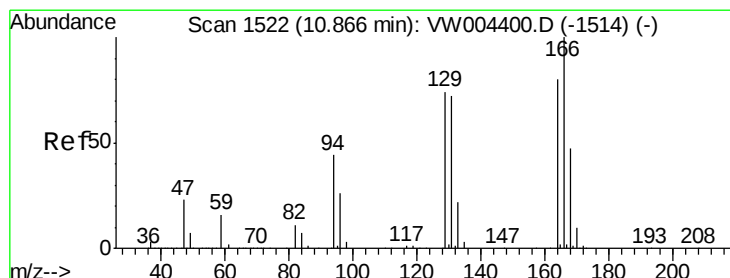
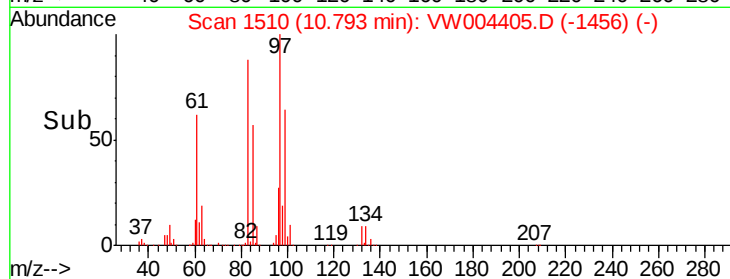
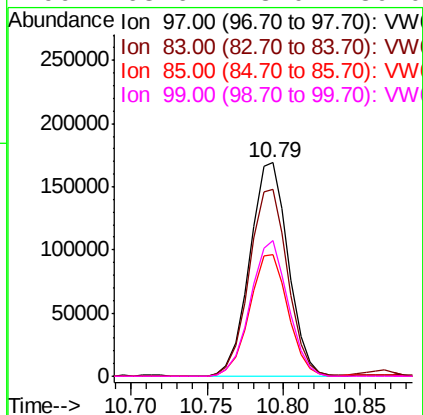
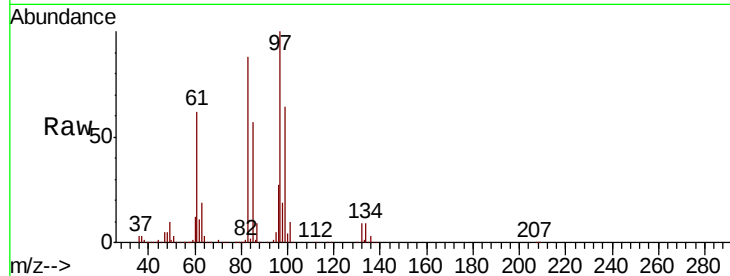




#46
 1,1,2-Trichloroethane
 Concen: 22.396 ug/L
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VW004405.D
 Acq: 02 Aug 2018 17:16

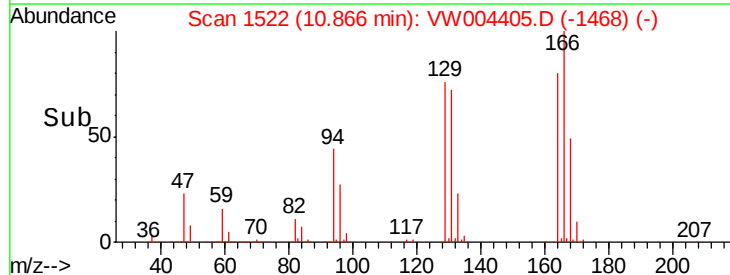
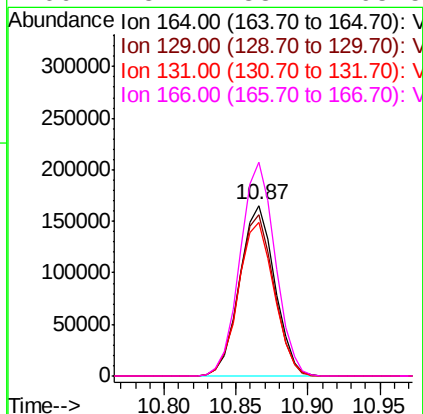
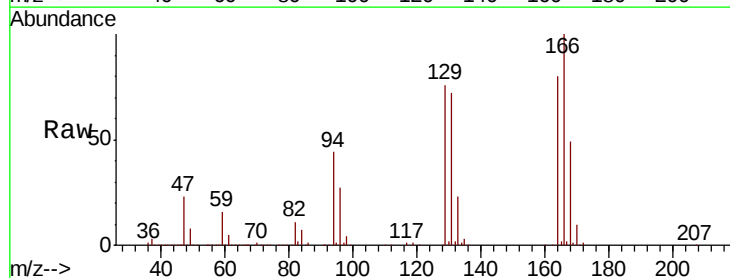
Instrument :
 MSVOA_W
 ClientSampled :
 VICV95

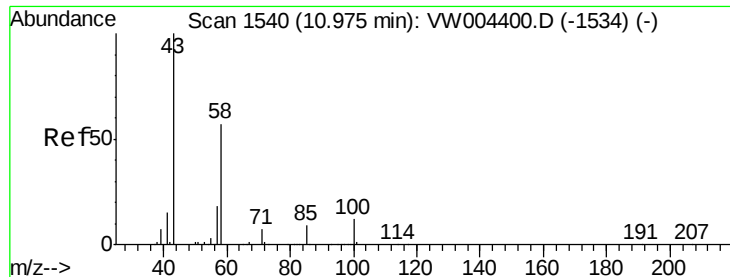
Tot Ion:	97	Resp:	297132
Ion	Ratio	Lower	Upper
97	100		
83	87.5	61.8	114.8
85	57.2	38.8	72.0
99	63.6	43.0	80.0



#47
 Tetrachloroethene
 Concen: 21.812 ug/L
 RT: 10.87 min Scan# 1522
 Delta R.T. 0.00 min
 Lab File: VW004405.D
 Acq: 02 Aug 2018 17:16

Tgt Ion:	164	Resp:	279715
Ion	Ratio	Lower	Upper
164	100		
129	94.8	65.4	121.4
131	89.8	63.8	118.6
166	125.4	88.1	163.5

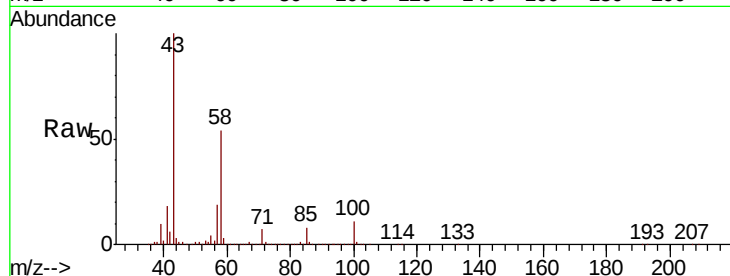




#49
2-Hexanone
Concen: 41.979 ug/L
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW004405.D
Acq: 02 Aug 2018 17:16

Instrument :
MSVOA_W
ClientSampleId :
VICV95

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.7	43.4	65.0
57	19.1	15.0	22.6
100	11.3	8.9	13.3



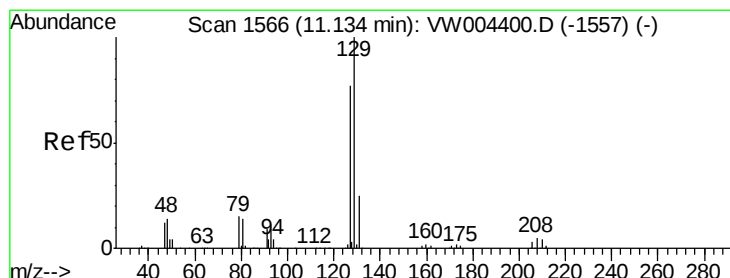
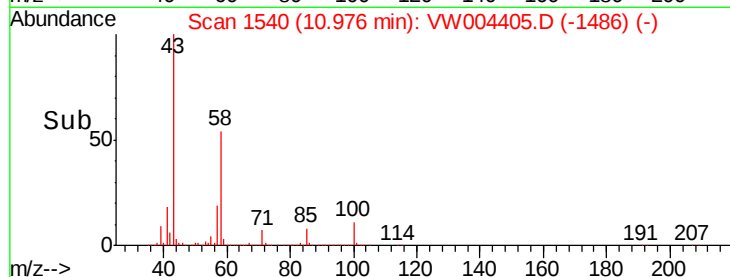
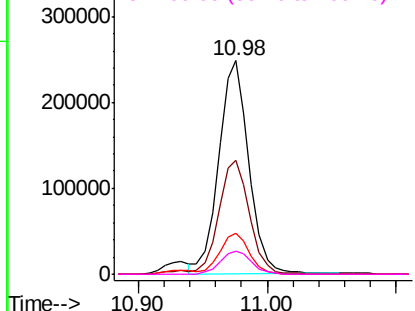
Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

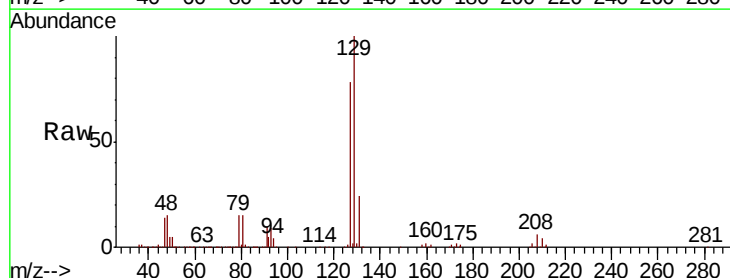
Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50
Dibromochloromethane
Concen: 22.248 ug/L
RT: 11.13 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VW004405.D
Acq: 02 Aug 2018 17:16

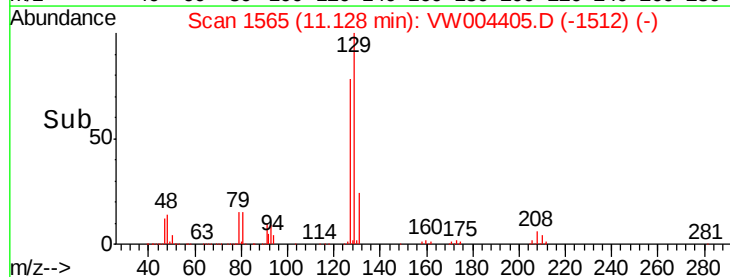
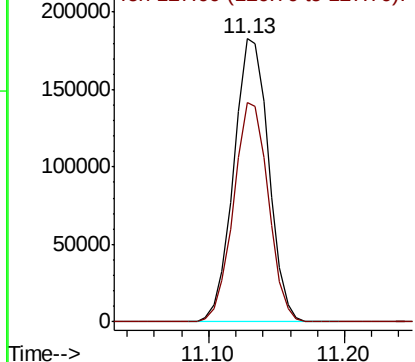
Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.6	54.1	100.5

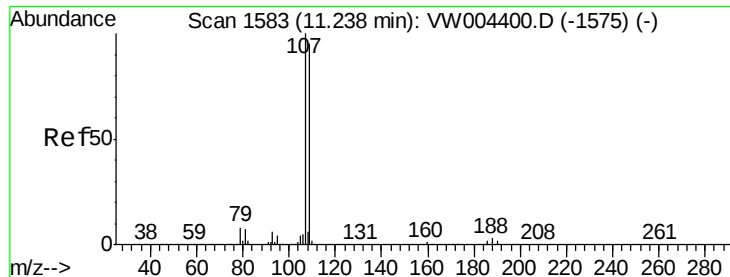


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#51

1,2-Dibromoethane

Concen: 21.896 ug/L

RT: 11.24 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VW004405.D

Acq: 02 Aug 2018 17:16

Instrument :

MSVOA_W

ClientSampleId :

VICV95

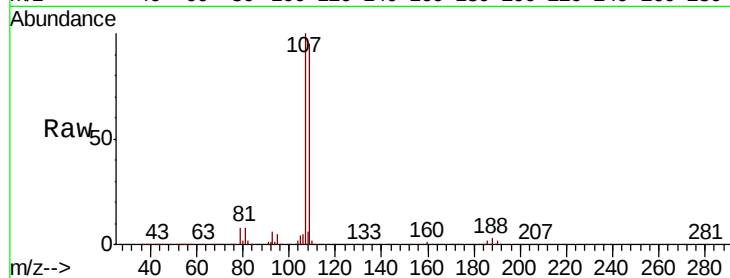
Tot Ion:107 Resp: 278462

Ion Ratio Lower Upper

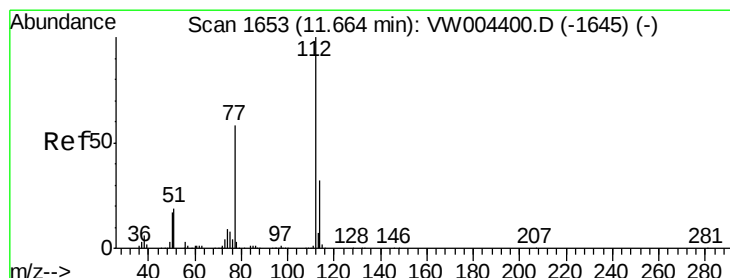
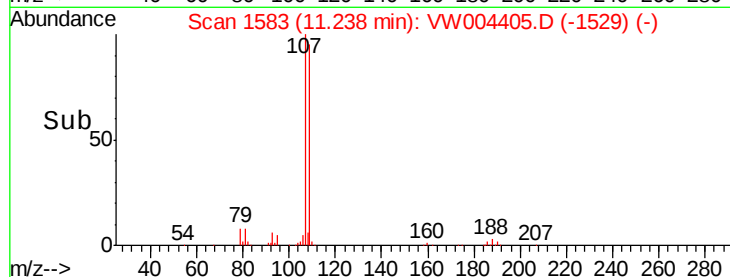
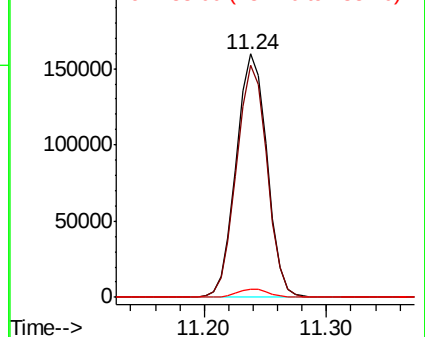
107 100

109 95.1 66.8 124.2

188 3.4 2.6 3.8



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 22.485 ug/L

RT: 11.66 min Scan# 1652

Delta R.T. -0.01 min

Lab File: VW004405.D

Acq: 02 Aug 2018 17:16

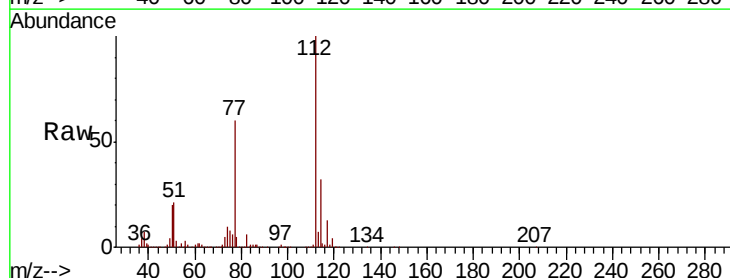
Tgt Ion:112 Resp: 986014

Ion Ratio Lower Upper

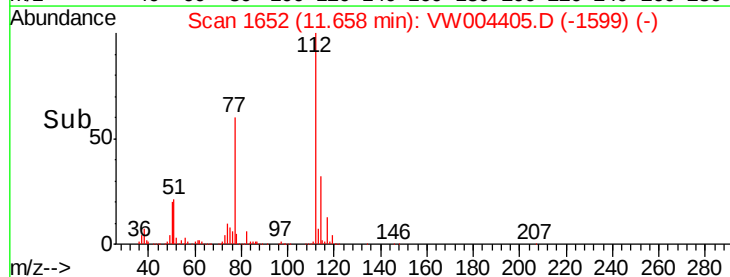
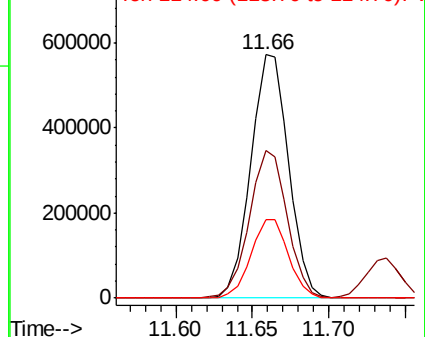
112 100

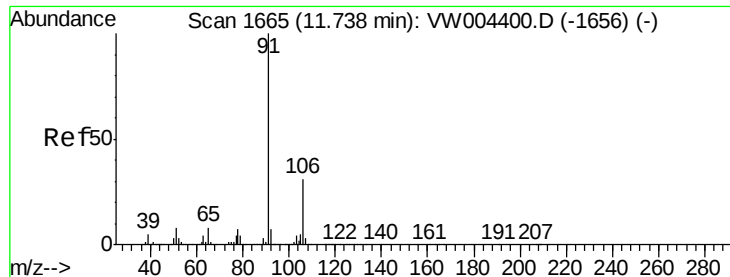
77 60.4 46.5 69.7

114 32.4 22.0 41.0



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 77.00 (76.70 to 77.70): V
Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 23.036 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VW004405.D

Acq: 02 Aug 2018 17:16

Instrument :

MSVOA_W

ClientSampled :

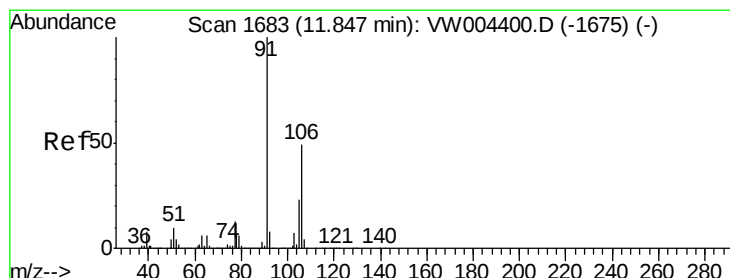
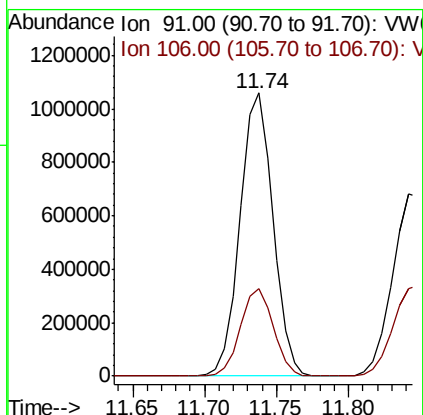
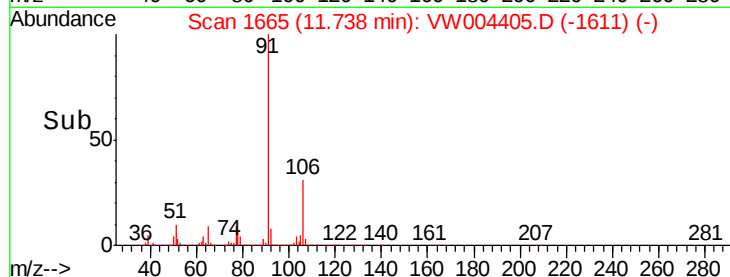
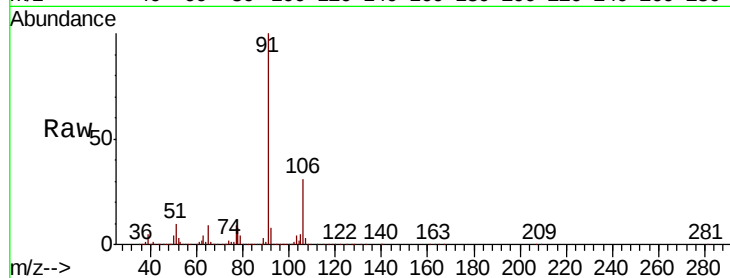
VICV95

Tot Ion: 91 Resp: 1678485

Ion Ratio Lower Upper

91 100

106 31.1 21.6 40.0



#54

m,p-Xylene

Concen: 23.512 ug/L

RT: 11.85 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW004405.D

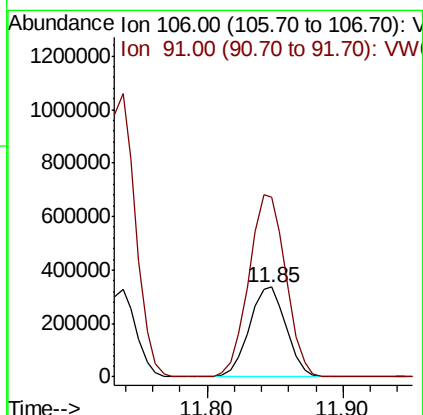
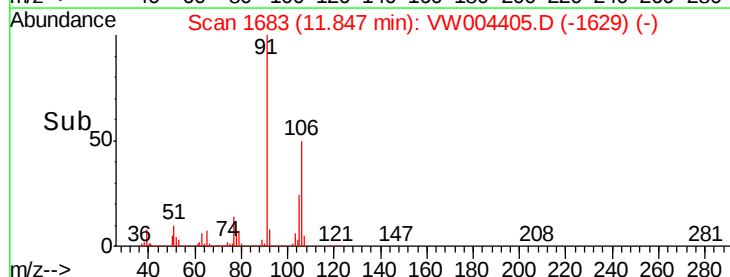
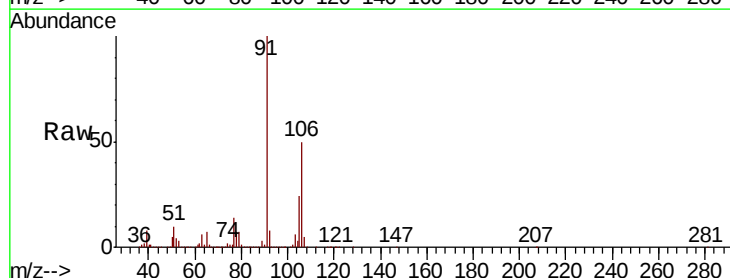
Acq: 02 Aug 2018 17:16

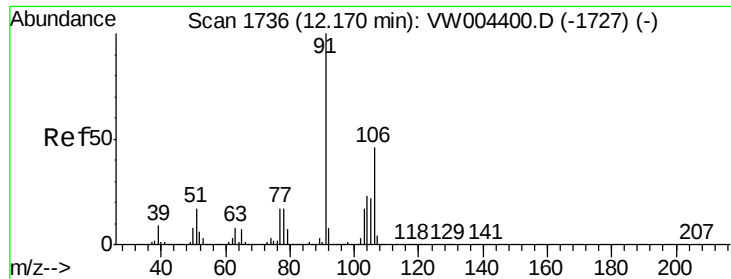
Tgt Ion: 106 Resp: 639189

Ion Ratio Lower Upper

106 100

91 199.8 143.0 265.6





#55

o-xylene

Concen: 23.642 ug/L

RT: 12.17 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VW004405.D

Acq: 02 Aug 2018 17:16

Instrument :

MSVOA_W

ClientSampled :

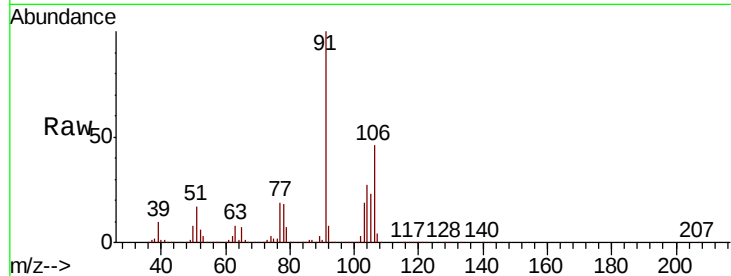
VICV95

Tot Ion:106 Resp: 608979

Ion Ratio Lower Upper

106 100

91 218.5 152.0 282.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

1000000

800000

600000

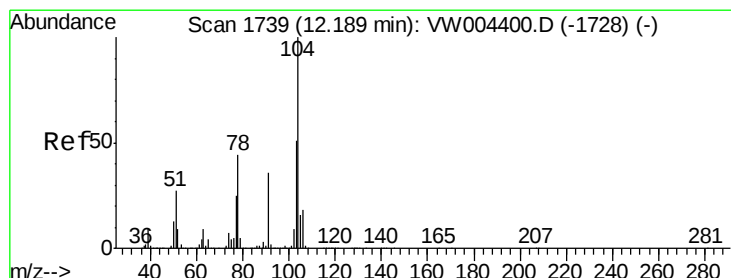
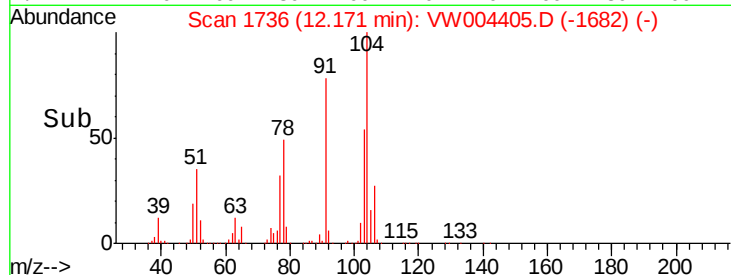
400000

200000

0

12.10 12.20

Time-->



#56

Styrene

Concen: 24.520 ug/L

RT: 12.19 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VW004405.D

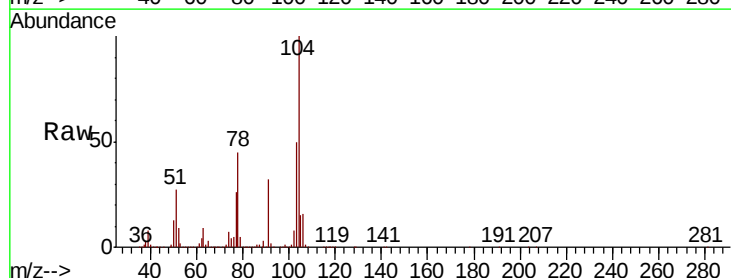
Acq: 02 Aug 2018 17:16

Tgt Ion:104 Resp: 1100597

Ion Ratio Lower Upper

104 100

78 44.6 30.8 57.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW

800000

600000

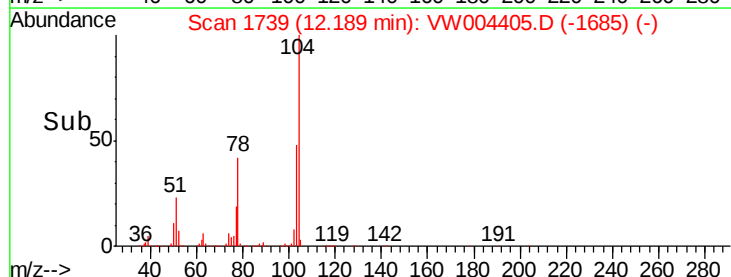
400000

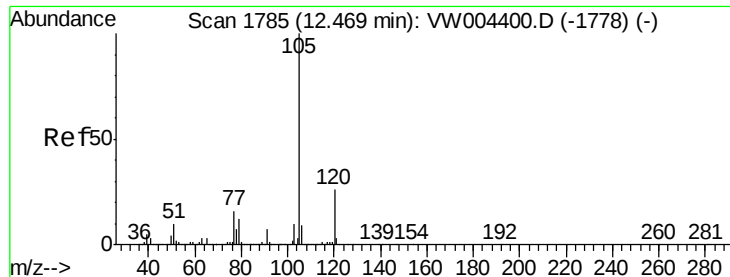
200000

0

12.10 12.20

Time-->





#57

Isopropylbenzene

Concen: 23.540 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW004405.D

Acq: 02 Aug 2018 17:16

Instrument :

MSVOA_W

ClientSampled :

VICV95

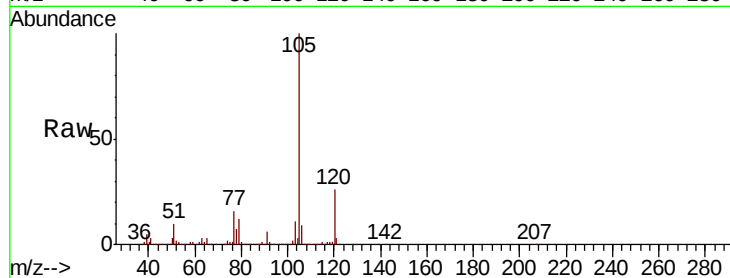
Tot Ion:105 Resp: 1641282

Ion Ratio Lower Upper

105 100

120 26.2 21.0 31.4

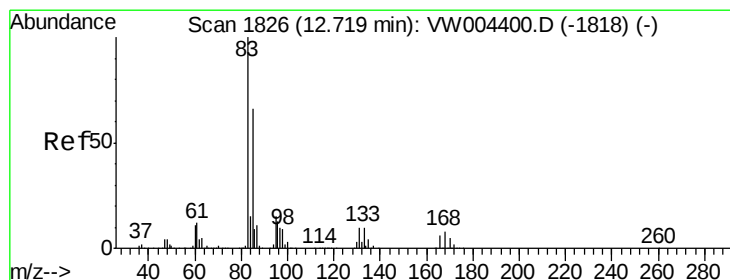
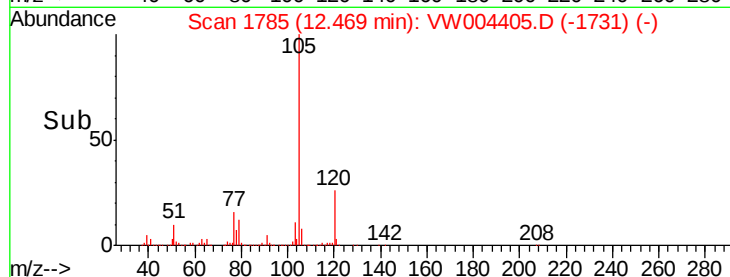
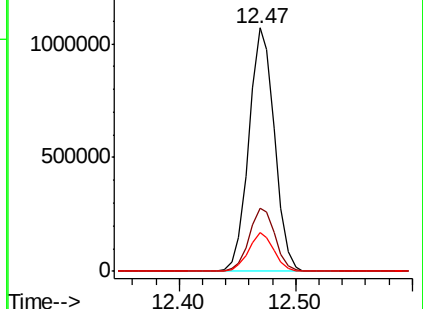
77 15.8 12.4 18.6



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



#58

1,1,2,2-Tetrachloroethane

Concen: 21.609 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW004405.D

Acq: 02 Aug 2018 17:16

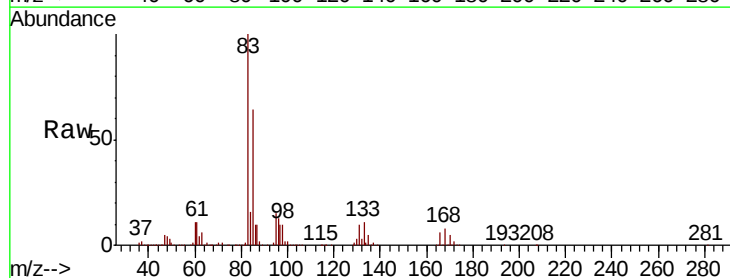
Tgt Ion: 83 Resp: 416098

Ion Ratio Lower Upper

83 100

85 64.4 46.1 85.5

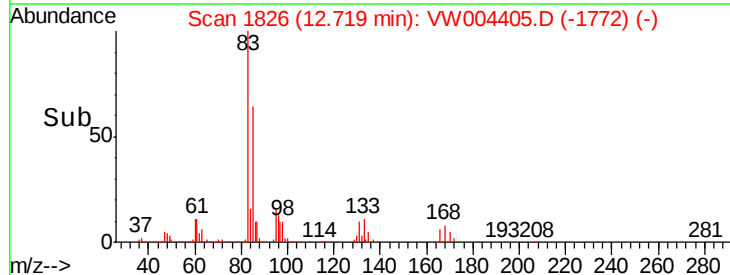
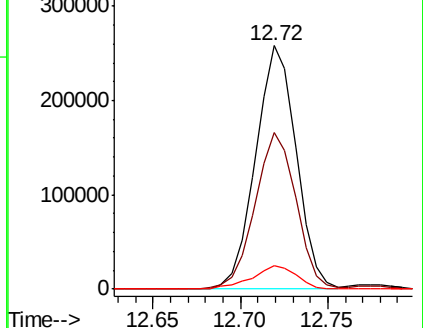
131 9.5 8.1 12.1

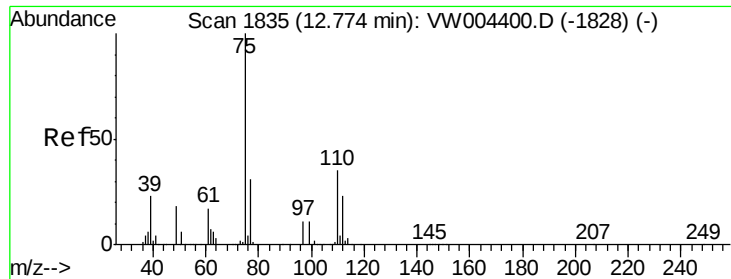


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 21.607 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW004405.D

Acq: 02 Aug 2018 17:16

Instrument :

MSVOA_W

ClientSampled :

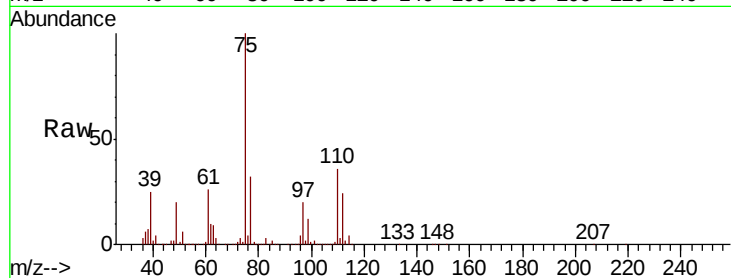
VICV95

Tot Ion: 75 Resp: 310745

Ion Ratio Lower Upper

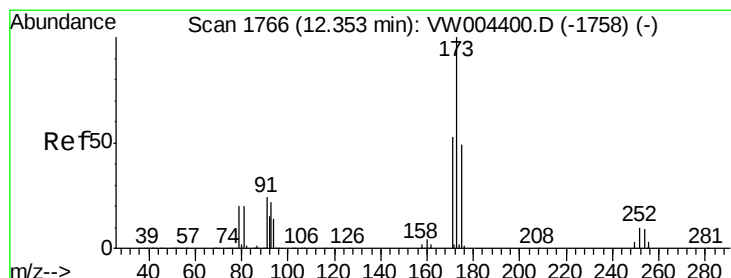
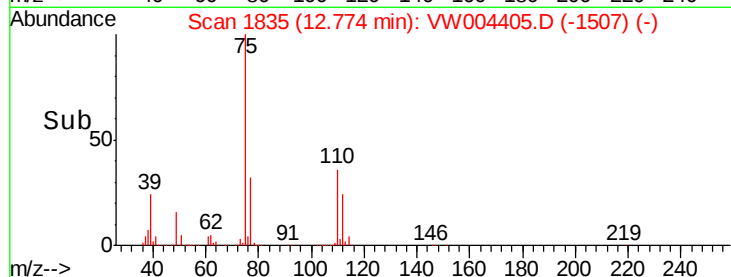
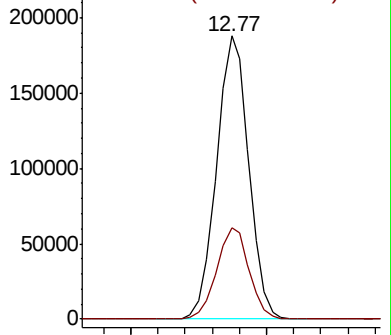
75 100

77 32.2 25.3 37.9



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#62

Bromoform

Concen: 21.623 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW004405.D

Acq: 02 Aug 2018 17:16

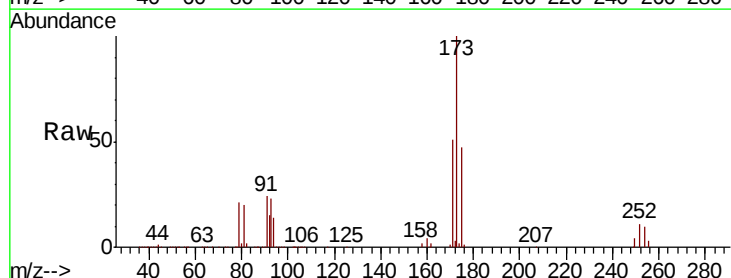
Tgt Ion:173 Resp: 208636

Ion Ratio Lower Upper

173 100

175 48.6 39.0 58.4

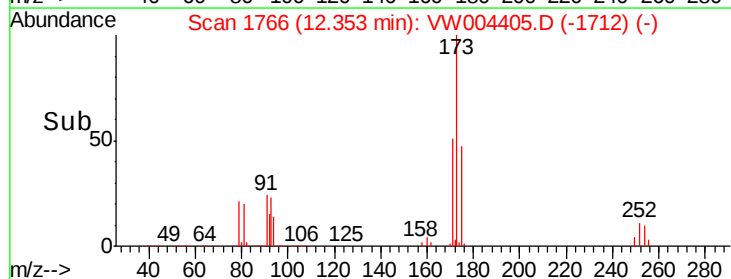
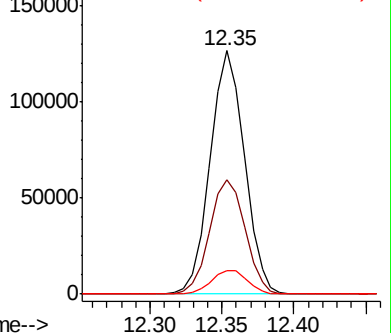
254 10.2 8.1 12.1

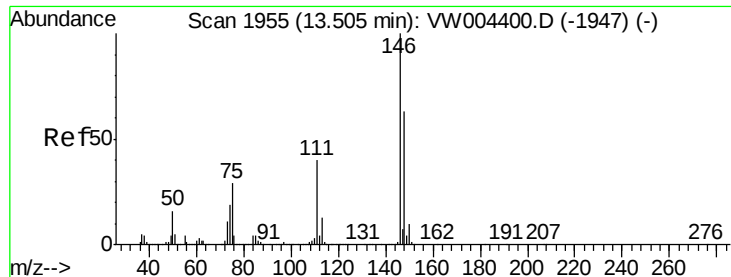


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

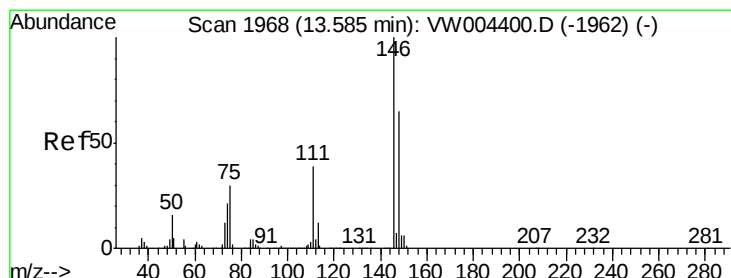
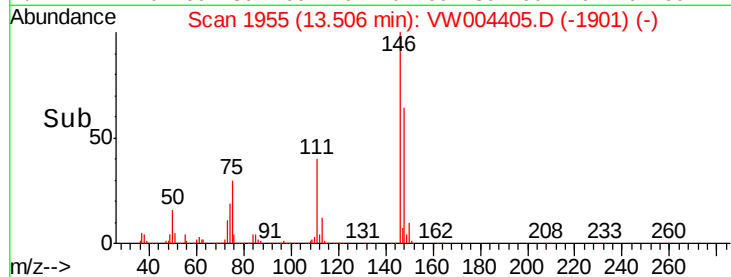
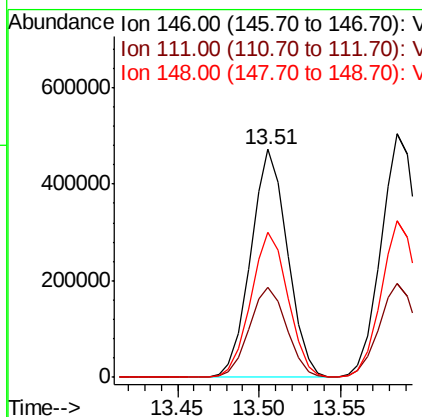
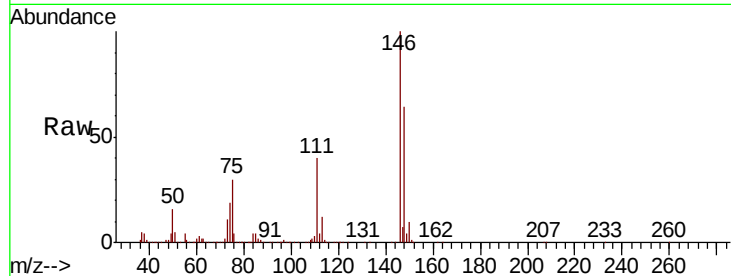




#63
 1,3-Dichlorobenzene
 Concen: 22.326 ug/L
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW004405.D
 Acq: 02 Aug 2018 17:16

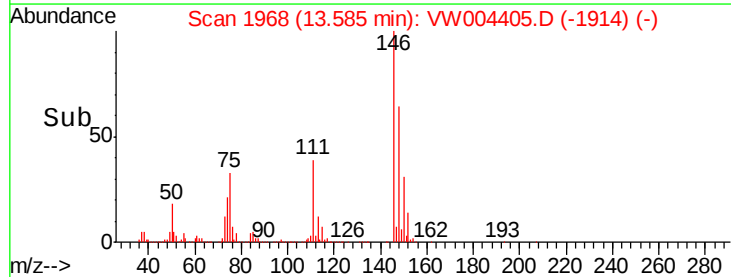
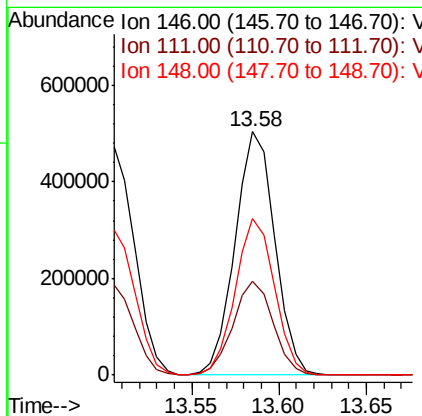
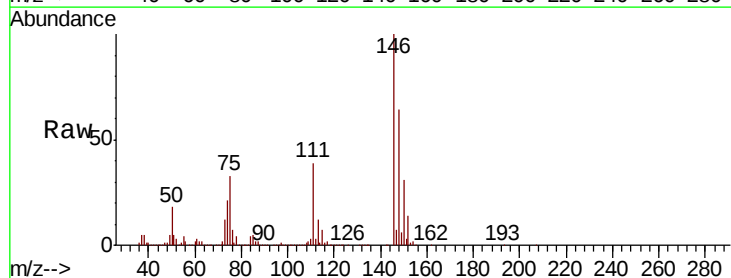
Instrument :
 MSVOA_W
 ClientSampleId :
 VICV95

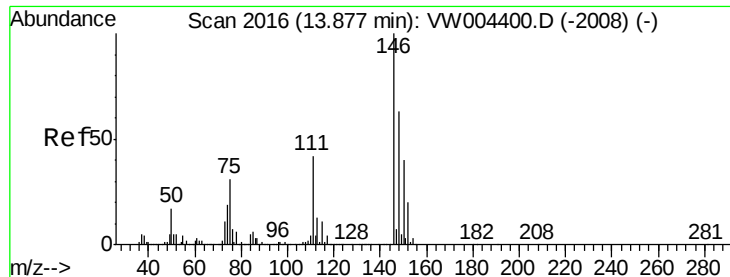
Tot Ion:146 Resp: 737549
 Ion Ratio Lower Upper
 146 100
 111 39.7 27.7 51.5
 148 63.7 43.8 81.4



#64
 1,4-Dichlorobenzene
 Concen: 22.405 ug/L
 RT: 13.58 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW004405.D
 Acq: 02 Aug 2018 17:16

Tgt Ion:146 Resp: 795461
 Ion Ratio Lower Upper
 146 100
 111 38.7 27.7 51.5
 148 64.4 45.5 84.5





#65

1,2-Dichlorobenzene

Concen: 22.562 ug/L

RT: 13.88 min Scan# 2016

Delta R.T. 0.00 min

Lab File: VW004405.D

Acq: 02 Aug 2018 17:16

Instrument :

MSVOA_W

ClientSampleId :

VICV95

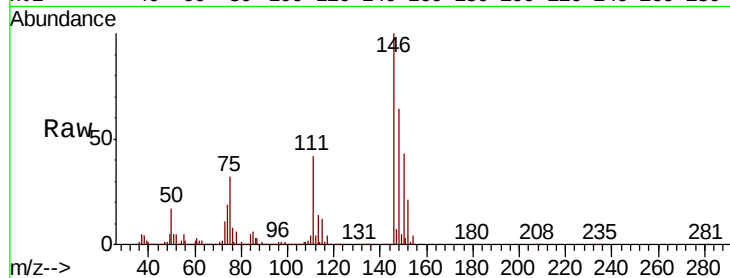
Tot Ion:146 Resp: 746812

Ion Ratio Lower Upper

146 100

111 42.4 33.4 50.2

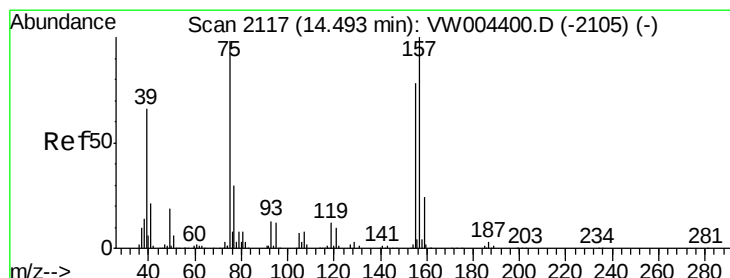
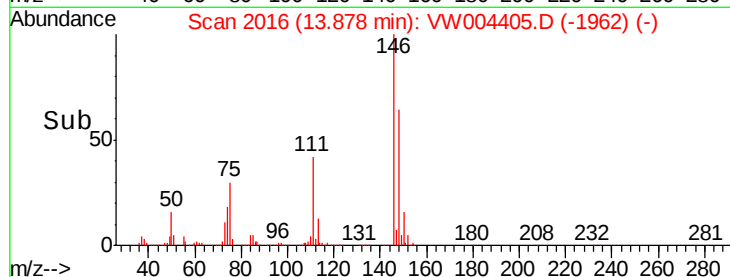
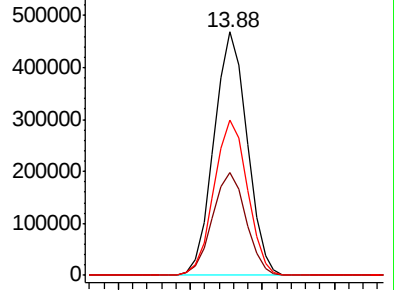
148 64.0 50.8 76.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 19.870 ug/L

RT: 14.49 min Scan# 2117

Delta R.T. 0.00 min

Lab File: VW004405.D

Acq: 02 Aug 2018 17:16

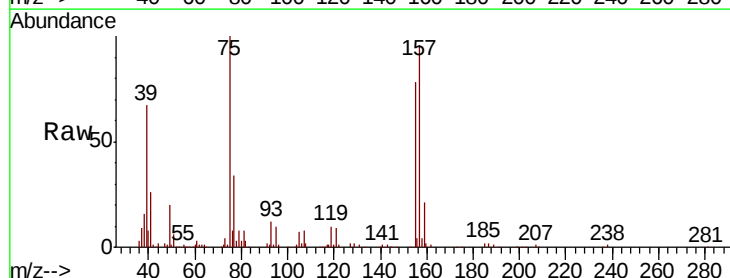
Tgt Ion: 75 Resp: 67559

Ion Ratio Lower Upper

75 100

157 95.8 81.4 122.0

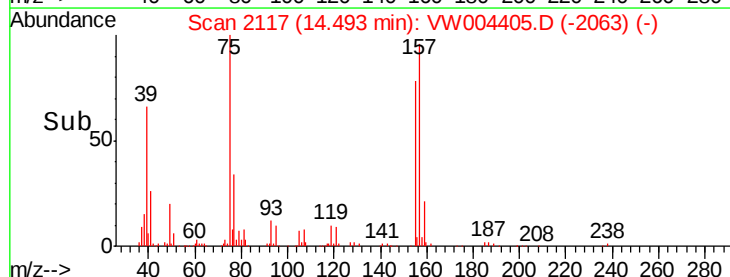
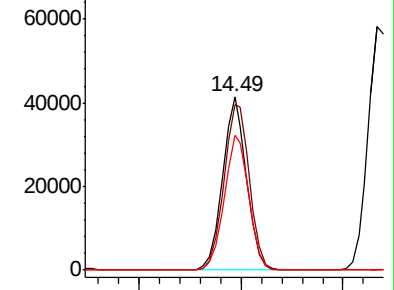
155 77.8 63.0 94.6

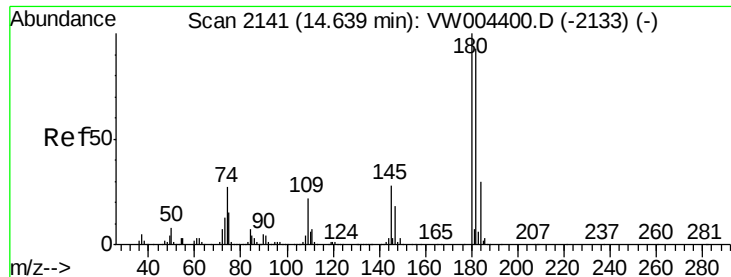


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

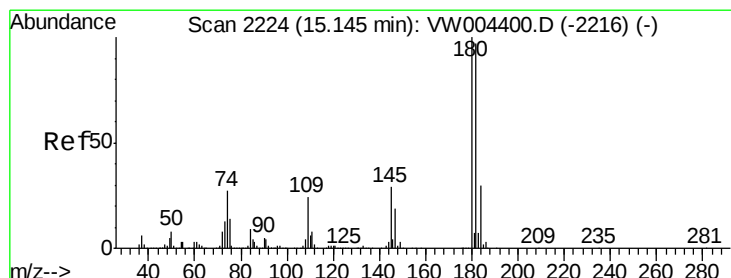
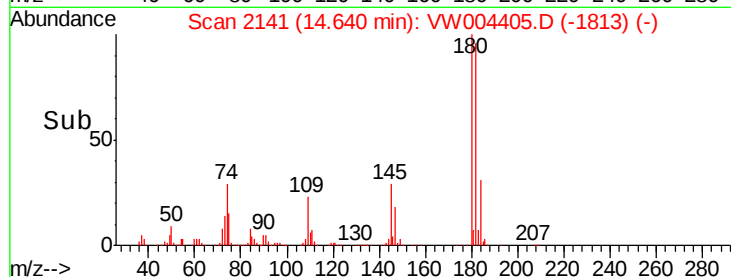
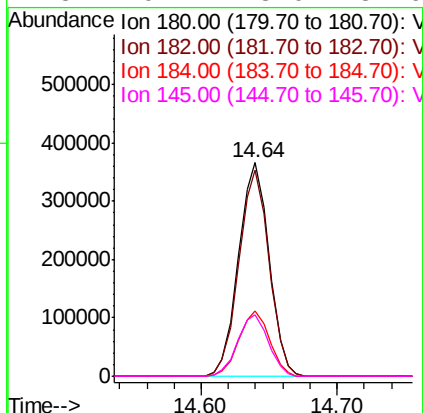
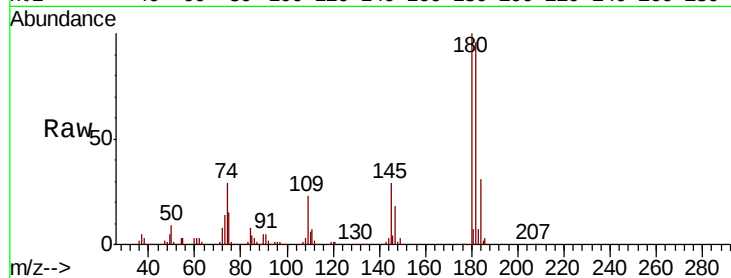




#67
 1,3,5-Trichlorobenzene
 Concen: 21.761 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VW004405.D
 Acq: 02 Aug 2018 17:16

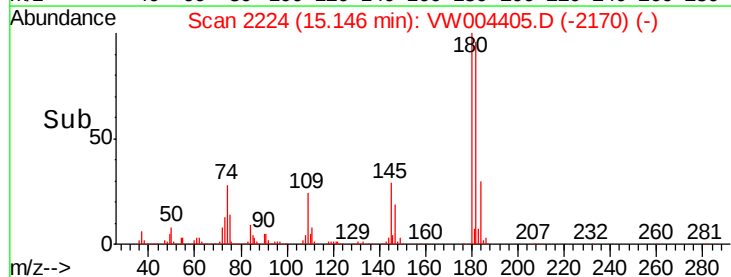
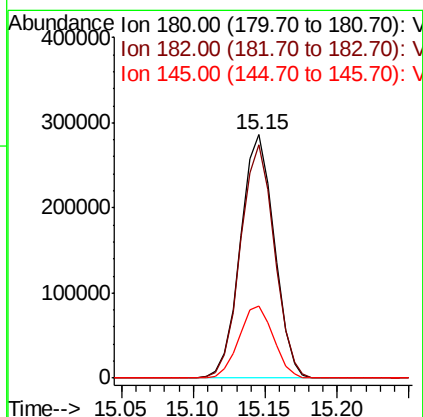
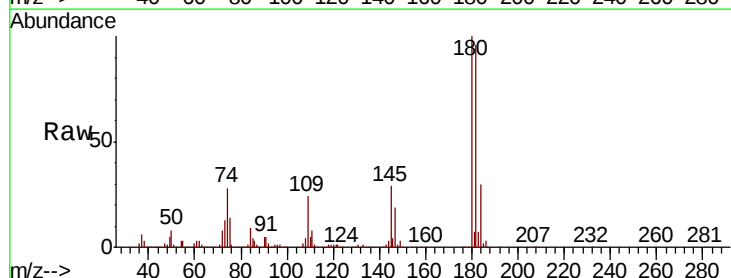
Instrument :
 MSVOA_W
 ClientSampled :
 VICV95

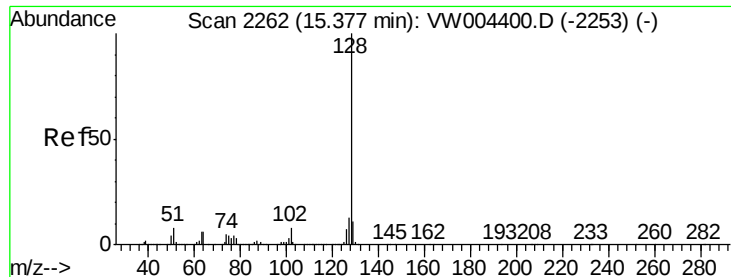
Tot Ion:180	Resp:	569881
Ion	Ratio	Lower Upper
180	100	
182	95.5	75.1 112.7
184	30.5	24.0 36.0
145	29.2	23.0 34.6



#68
 1,2,4-trichlorobenzene
 Concen: 21.993 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW004405.D
 Acq: 02 Aug 2018 17:16

Tgt Ion:180	Resp:	465956
Ion	Ratio	Lower Upper
180	100	
182	96.0	76.9 115.3
145	30.1	23.4 35.2





#69

Naphthalene

Concen: 22.181 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW004405.D

Acq: 02 Aug 2018 17:16

Instrument :

MSVOA_W

ClientSampleId :

VICV95

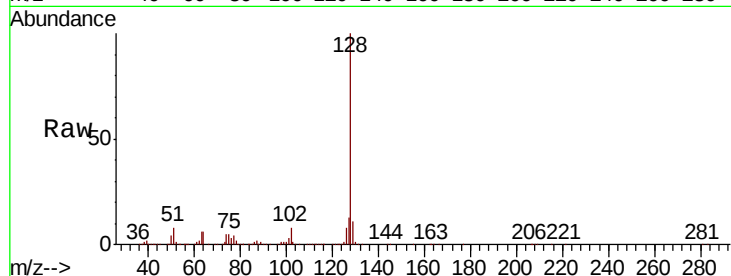
Tot Ion:128 Resp: 1071684

Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

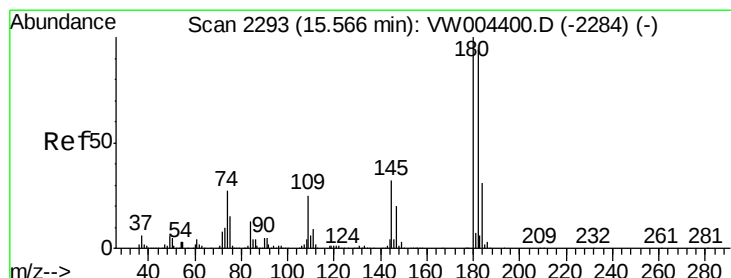
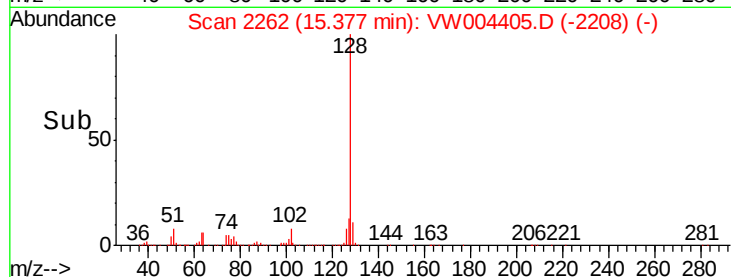
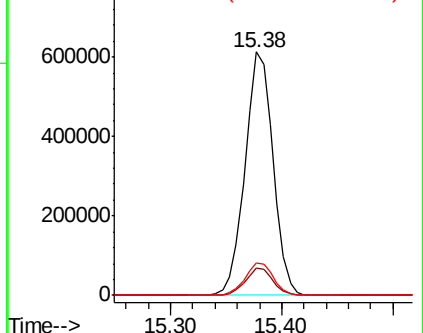
127 13.4 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 22.974 ug/L

RT: 15.57 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VW004405.D

Acq: 02 Aug 2018 17:16

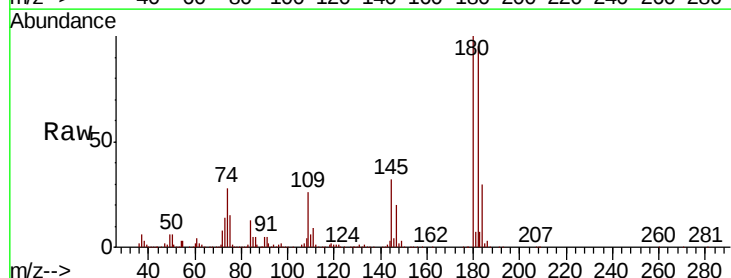
Tgt Ion:180 Resp: 474002

Ion Ratio Lower Upper

180 100

182 94.8 76.0 114.0

145 31.6 25.2 37.8



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

