

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV062518\
 Data File : VV006430.D
 Acq On : 25 Jun 2018 14:23
 Operator : SY/MD
 Sample : VSTDICV005
 Misc : 25 mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV85

Quant Time: Jun 26 06:52:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR062518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 26 06:50:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	357858	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	326121	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	158664	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	102131	4.34	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.80%
7) Chloroethane-d5	1.58	69	82567	4.36	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.20%
11) 1,1-Dichloroethene-d2	2.13	63	184019	4.42	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.40%
20) 2-Butanone-d5	3.96	46	164802	37.38	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	74.76%
24) Chloroform-d	4.41	84	173301	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.40%
26) 1,2-Dichloroethane-d4	5.09	65	79332	4.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.60%
32) Benzene-d6	5.10	84	371597	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.60%
36) 1,2-Dichloropropane-d6	6.12	67	109795	4.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.80%
41) Toluene-d8	7.36	98	361477	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.80%
43) trans-1,3-Dichloropropene-	7.67	79	40540	4.35	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.00%
46) 2-Hexanone-d5	8.14	63	161470	43.73	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.46%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	65668	4.23	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.60%
64) 1,2-Dichlorobenzene-d4	11.68	152	129844	4.40	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	125575	4.788	ug/L 100
3) Chloromethane	1.26	50	121921	4.535	ug/L 99
5) Vinyl chloride	1.32	62	132907	4.551	ug/L 99
6) Bromomethane	1.54	94	79851	4.720	ug/L 100
8) Chloroethane	1.60	64	83228	4.493	ug/L 100
9) Trichlorofluoromethane	1.77	101	168004	4.785	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	105868	4.801	ug/L 100
12) 1,1-Dichloroethene	2.14	96	97496	4.505	ug/L 99
13) Acetone	2.22	43	101073	37.399	ug/L 100
14) Carbon disulfide	2.32	76	272592	4.460	ug/L 100
15) Methyl Acetate	2.47	43	30156	3.790	ug/L 97
16) Methylene chloride	2.54	84	113986	4.497	ug/L 99
17) Methyl tert-butyl Ether	2.81	73	229498	4.375	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	107297	4.529	ug/L 99
19) 1,1-Dichloroethane	3.23	63	189773	4.497	ug/L 100
21) 2-Butanone	4.05	43	190394	38.982	ug/L 96
22) cis-1,2-Dichloroethene	3.97	96	116971	4.490	ug/L 98

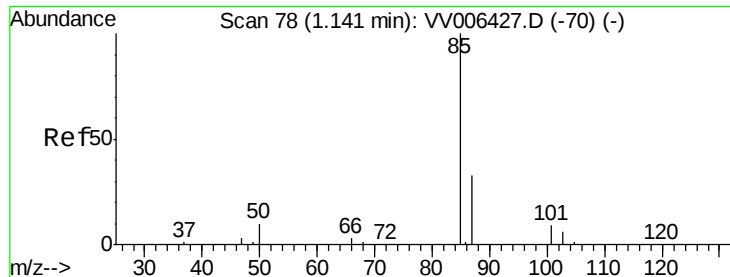
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV062518\
 Data File : VV006430.D
 Acq On : 25 Jun 2018 14:23
 Operator : SY/MD
 Sample : VSTDICV005
 Misc : 25 mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV85

Quant Time: Jun 26 06:52:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR062518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 26 06:50:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	47159	4.455	ug/L	93
25) Chloroform	4.43	83	189402	4.453	ug/L	100
27) 1,2-Dichloroethane	5.19	62	105409	4.411	ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	160241	4.506	ug/L	99
30) Cyclohexane	4.73	56	169327	4.764	ug/L	100
31) Carbon tetrachloride	4.88	117	135573	4.545	ug/L	100
33) Benzene	5.15	78	438243	4.550	ug/L	100
34) Trichloroethene	5.96	95	122127	4.433	ug/L	98
35) Methylcyclohexane	6.18	83	194870	4.864	ug/L	99
37) 1,2-Dichloropropane	6.23	63	105047	4.463	ug/L	99
38) Bromodichloromethane	6.56	83	120066	4.432	ug/L	99
39) cis-1,3-Dichloropropene	7.08	75	150884	4.607	ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	507633	44.325	ug/L	98
42) Toluene	7.44	91	473480	4.642	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	116349	4.529	ug/L	100
45) 1,1,2-Trichloroethane	7.89	97	73936	4.548	ug/L	97
47) Tetrachloroethene	8.02	164	96515	4.637	ug/L	100
48) 2-Hexanone	8.19	43	371061	45.035	ug/L	99
49) Dibromochloromethane	8.30	129	76987	4.443	ug/L	99
50) 1,2-Dibromoethane	8.40	107	67124	4.593	ug/L	97
51) Chlorobenzene	8.93	112	311830	4.620	ug/L	99
52) Ethylbenzene	9.06	91	518601	4.697	ug/L	100
53) m,p-xylene	9.19	106	201220	4.725	ug/L	98
54) o-xylene	9.59	106	196258	4.698	ug/L	99
55) Styrene	9.61	104	326244	4.773	ug/L	98
56) Isopropylbenzene	9.98	105	522072	4.796	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	67622	4.411	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	56921	4.446	ug/L	99
61) Bromoform	9.78	173	38049	4.273	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	243992	4.669	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	241407	4.618	ug/L	99
65) 1,2-Dichlorobenzene	11.70	146	225082	4.602	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	8682	4.177	ug/L	96
67) 1,3,5-Trichlorobenzene	12.70	180	188482	4.746	ug/L	100
68) 1,2,4-trichlorobenzene	13.32	180	145471	4.996	ug/L	99
69) Naphthalene	13.56	128	211483	4.969	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	132273	4.879	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.788 ug/L

RT: 1.14 min Scan# 78

Delta R.T. -0.00 min

Lab File: VV006430.D

Acq: 25 Jun 2018 14:23

Instrument :

MSVOA_V

ClientSampleId :

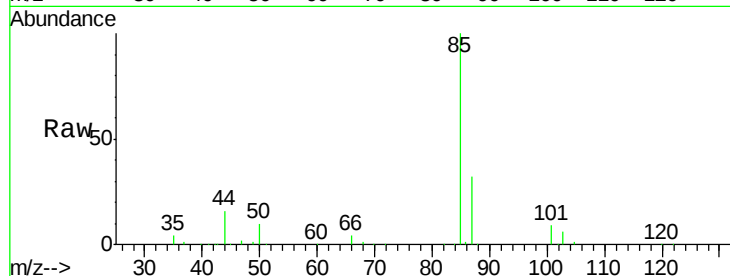
VICV85

Tgt Ion: 85 Resp: 125575

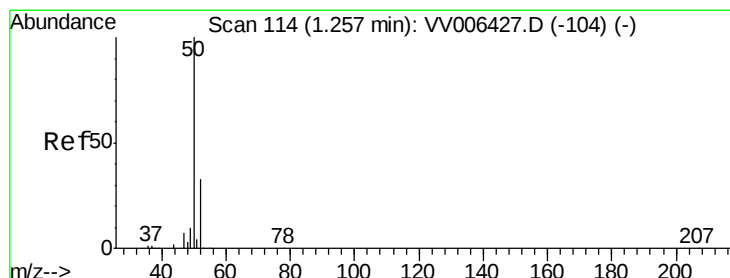
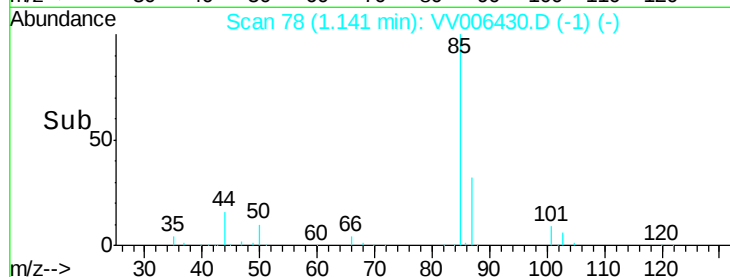
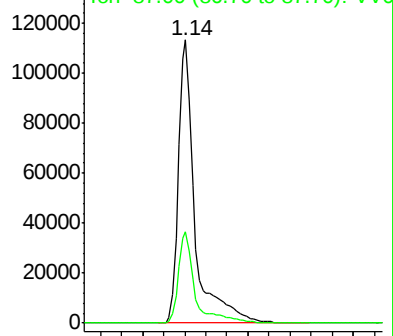
Ion Ratio Lower Upper

85 100

87 32.2 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV006430.D (-1) (-)



#3

Chloromethane

Concen: 4.535 ug/L

RT: 1.26 min Scan# 114

Delta R.T. -0.00 min

Lab File: VV006430.D

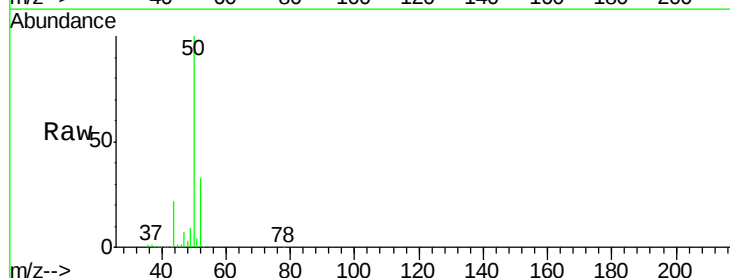
Acq: 25 Jun 2018 14:23

Tgt Ion: 50 Resp: 121921

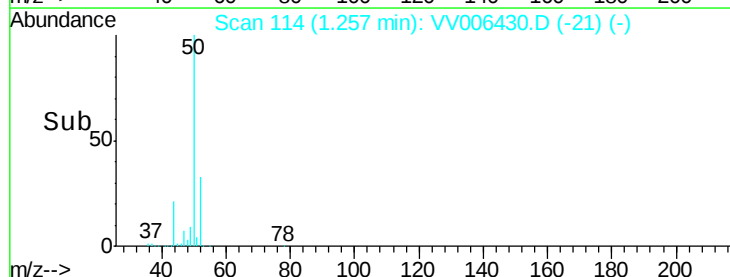
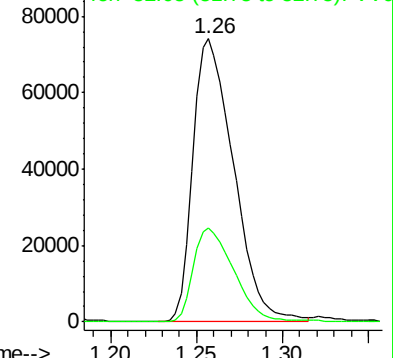
Ion Ratio Lower Upper

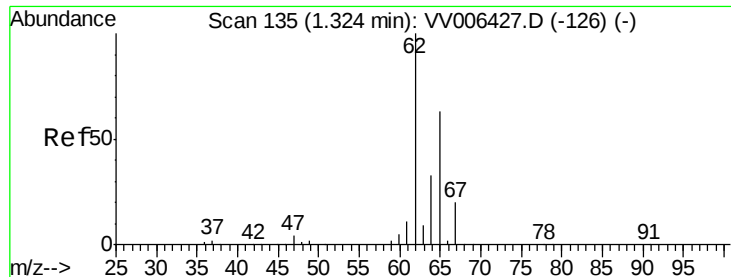
50 100

52 33.2 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV006430.D (-21) (-)





#5

Vinyl chloride

Concen: 4.551 ug/L

RT: 1.32 min Scan# 135

Delta R.T. -0.00 min

Lab File: VV006430.D

Acq: 25 Jun 2018 14:23

Instrument :

MSVOA_V

ClientSampleId :

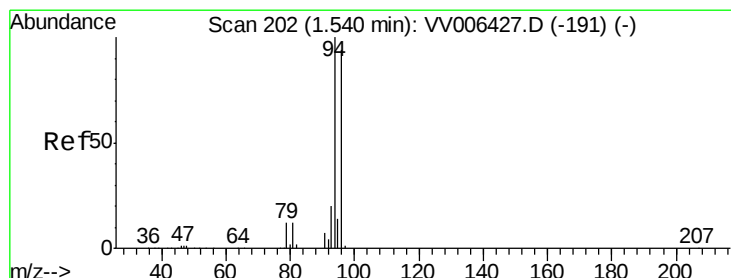
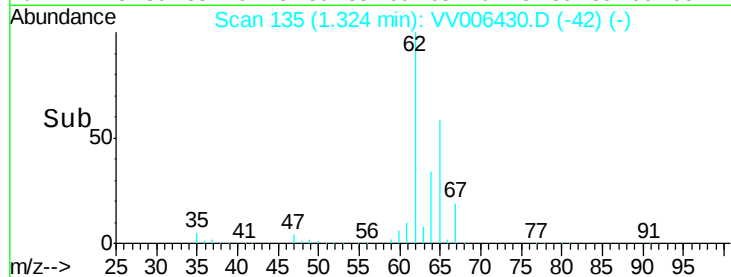
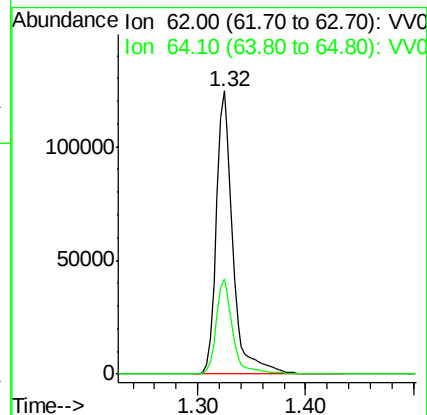
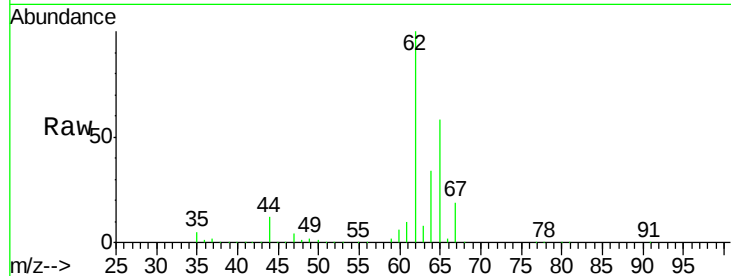
VICV85

Tgt Ion: 62 Resp: 132907

Ion Ratio Lower Upper

62 100

64 33.7 23.1 42.9



#6

Bromomethane

Concen: 4.720 ug/L

RT: 1.54 min Scan# 202

Delta R.T. -0.00 min

Lab File: VV006430.D

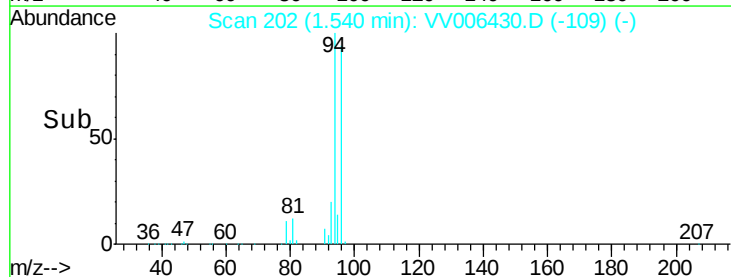
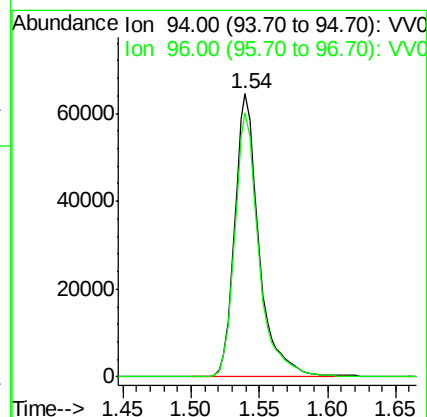
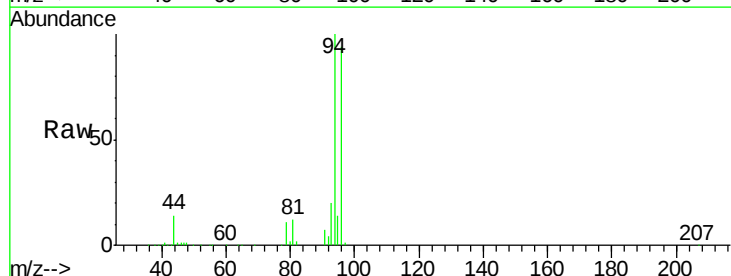
Acq: 25 Jun 2018 14:23

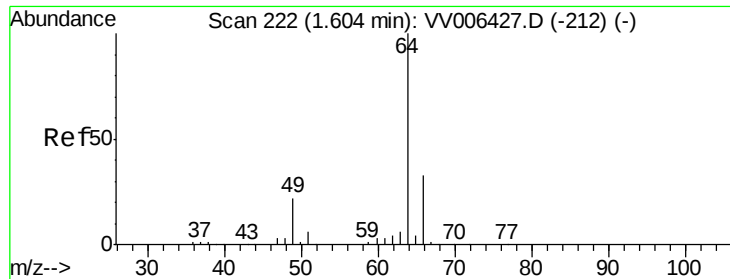
Tgt Ion: 94 Resp: 79851

Ion Ratio Lower Upper

94 100

96 93.5 65.7 122.1





#8

Chloroethane

Concen: 4.493 ug/L

RT: 1.60 min Scan# 222

Delta R.T. -0.00 min

Lab File: VV006430.D

Acq: 25 Jun 2018 14:23

Instrument :

MSVOA_V

ClientSampleId :

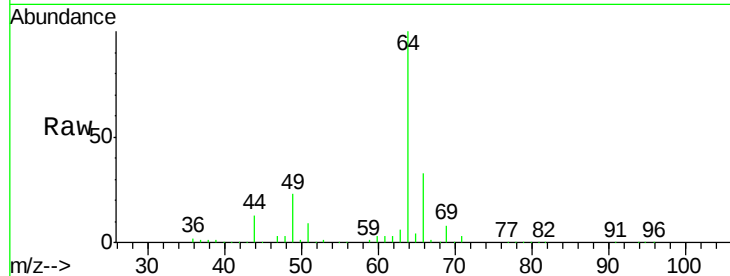
VICV85

Tgt Ion: 64 Resp: 83228

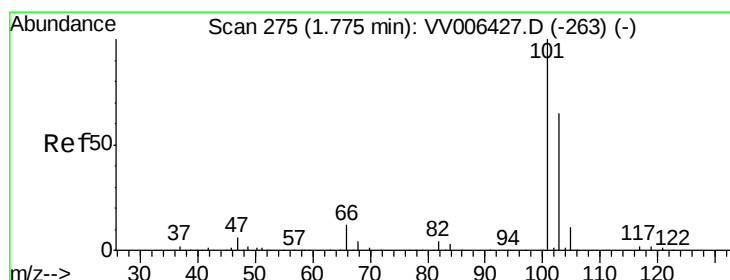
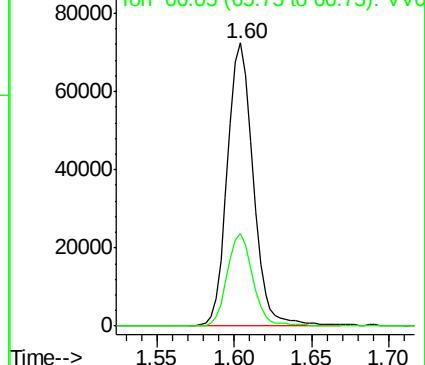
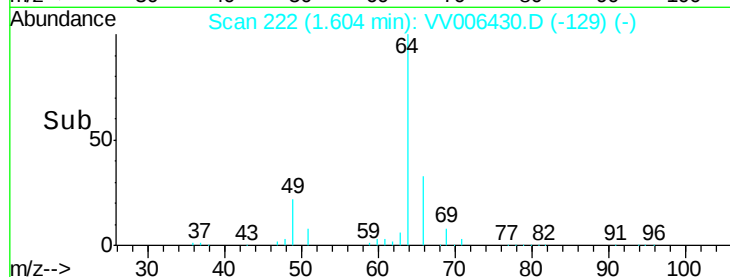
Ion Ratio Lower Upper

64 100

66 32.6 22.8 42.4



Abundance Ion 64.10 (63.80 to 64.80): VV006430.D (-129) (-)



#9

Trichlorofluoromethane

Concen: 4.785 ug/L

RT: 1.77 min Scan# 275

Delta R.T. -0.00 min

Lab File: VV006430.D

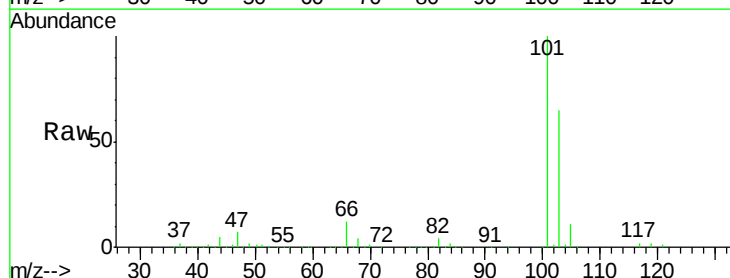
Acq: 25 Jun 2018 14:23

Tgt Ion: 101 Resp: 168004

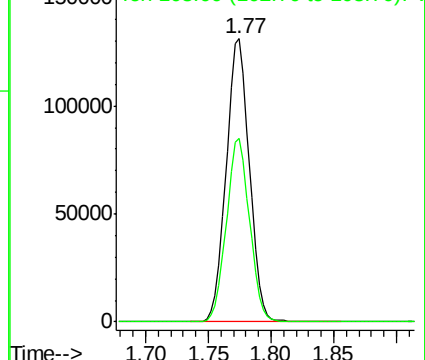
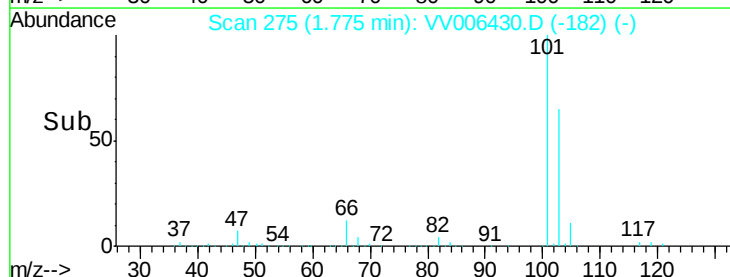
Ion Ratio Lower Upper

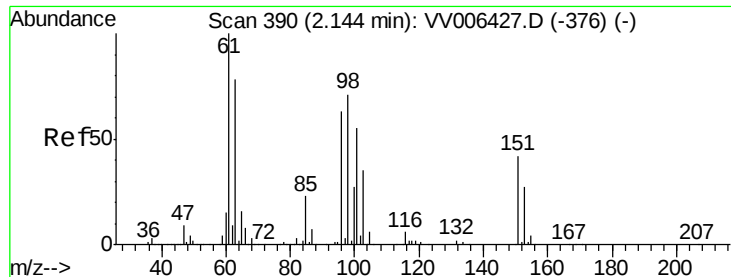
101 100

103 64.8 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): VV006430.D (-182) (-)





#10

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

Concen: 4.801 ug/L

RT: 2.14 min Scan# 390

Delta R.T. -0.00 min

Lab File: VV006430.D

Acq: 25 Jun 2018 14:23

Instrument :

MSVOA_V

ClientSampleId :

VICV85

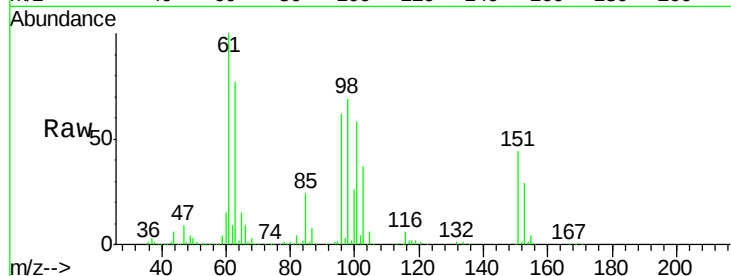
Tgt Ion:101 Resp: 105868

Ion Ratio Lower Upper

101 100

85 41.5 33.1 49.7

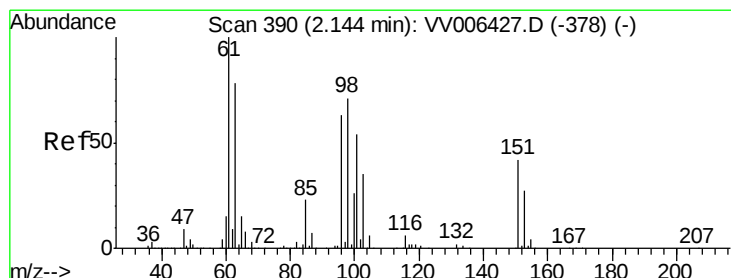
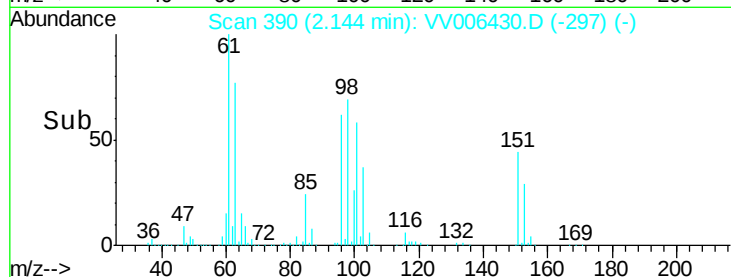
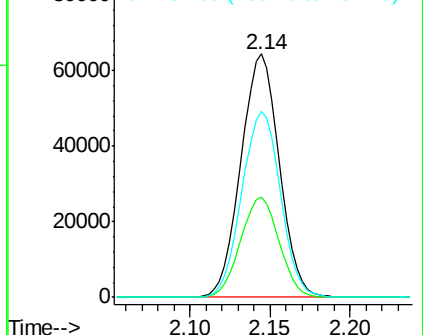
151 77.3 61.7 92.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.505 ug/L

RT: 2.14 min Scan# 390

Delta R.T. -0.00 min

Lab File: VV006430.D

Acq: 25 Jun 2018 14:23

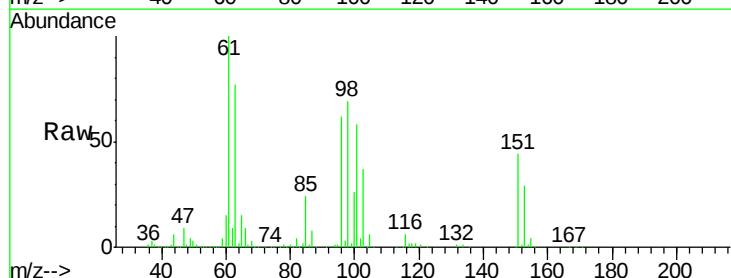
Tgt Ion: 96 Resp: 97496

Ion Ratio Lower Upper

96 100

61 161.3 111.4 207.0

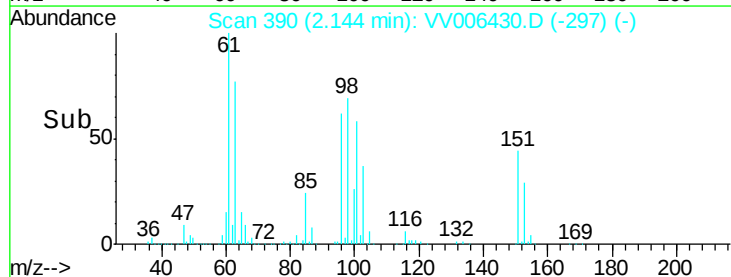
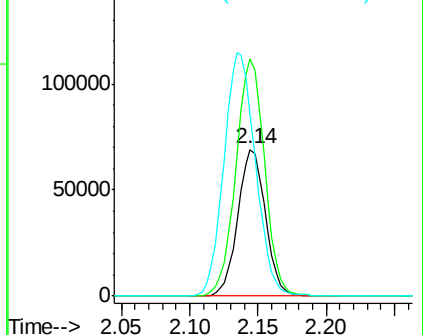
63 124.2 87.4 162.2

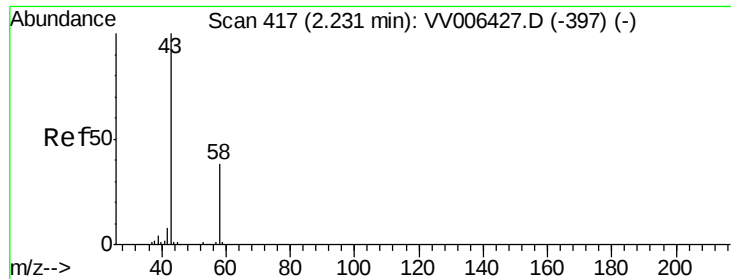


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 37.399 ug/L

RT: 2.22 min Scan# 412

Delta R.T. -0.02 min

Lab File: VV006430.D

Acq: 25 Jun 2018 14:23

Instrument :

MSVOA_V

ClientSampleId :

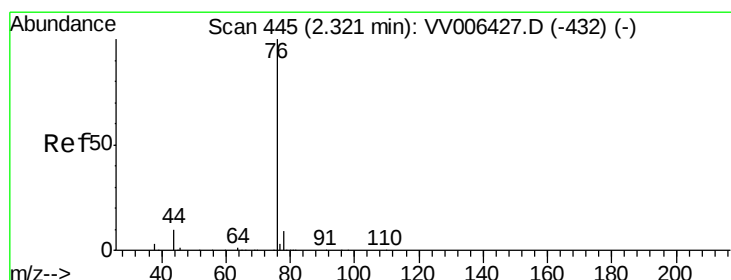
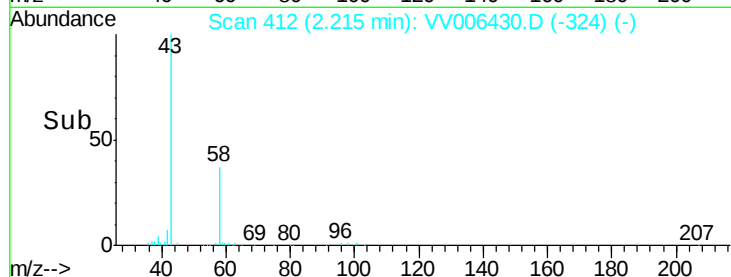
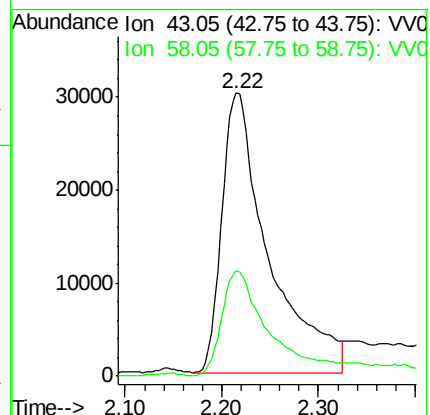
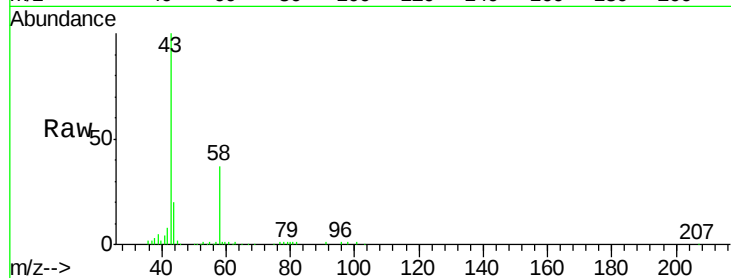
VICV85

Tgt Ion: 43 Resp: 101073

Ion Ratio Lower Upper

43 100

58 38.7 0.0 77.4



#14

Carbon disulfide

Concen: 4.460 ug/L

RT: 2.32 min Scan# 445

Delta R.T. -0.00 min

Lab File: VV006430.D

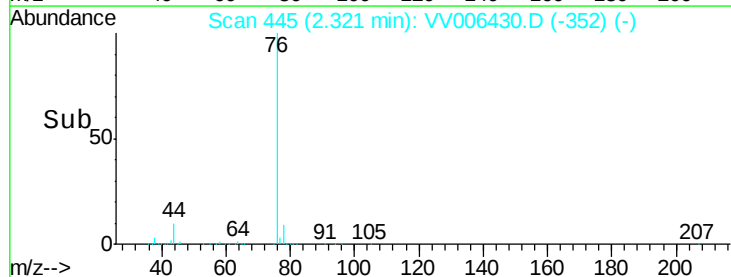
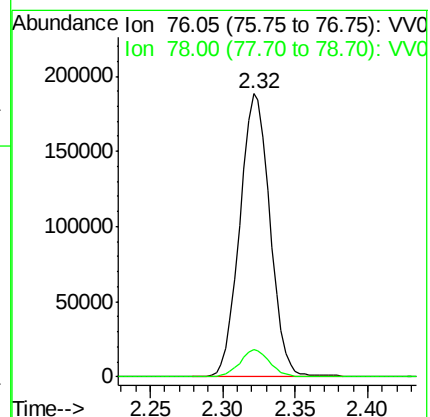
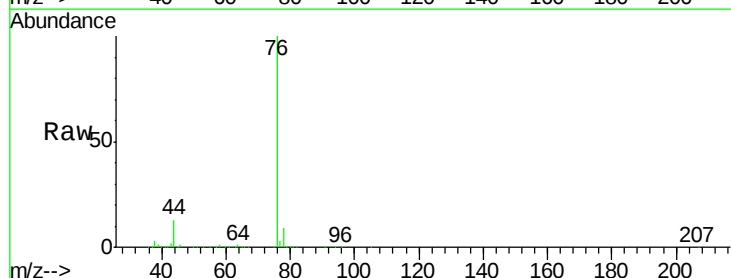
Acq: 25 Jun 2018 14:23

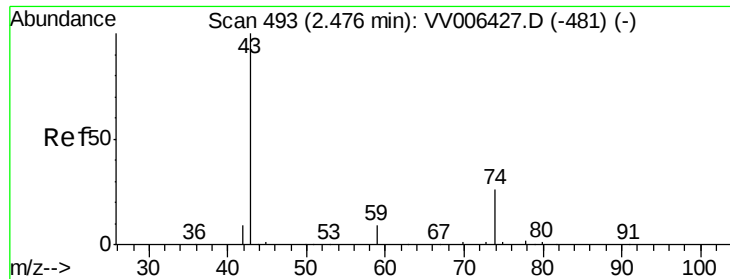
Tgt Ion: 76 Resp: 272592

Ion Ratio Lower Upper

76 100

78 9.5 7.5 11.3





#15

Methyl Acetate

Concen: 3.790 ug/L

RT: 2.47 min Scan# 492

Delta R.T. -0.00 min

Lab File: VV006430.D

Acq: 25 Jun 2018 14:23

Instrument :

MSVOA_V

ClientSampleId :

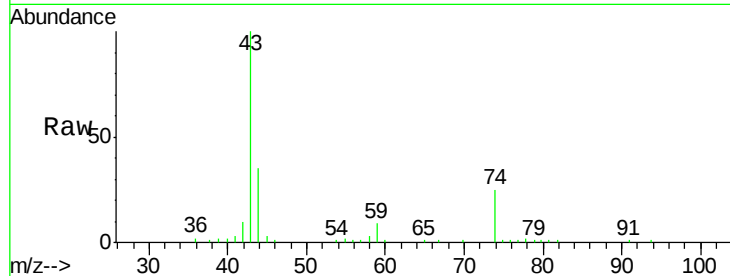
VICV85

Tgt Ion: 43 Resp: 30156

Ion Ratio Lower Upper

43 100

74 29.3 22.2 33.4



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

20000

15000

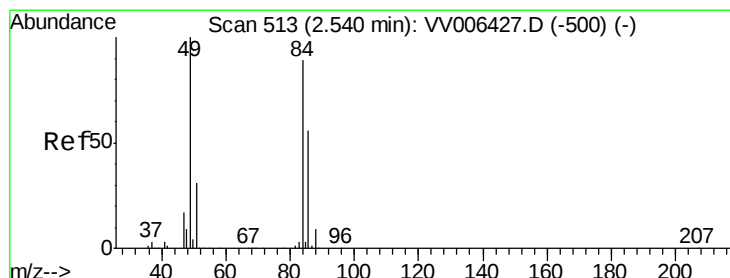
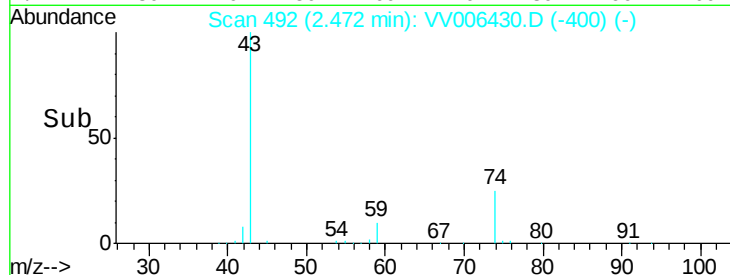
10000

5000

0

Time-->

2.40 2.45 2.50 2.55



#16

Methylene chloride

Concen: 4.497 ug/L

RT: 2.54 min Scan# 513

Delta R.T. -0.00 min

Lab File: VV006430.D

Acq: 25 Jun 2018 14:23

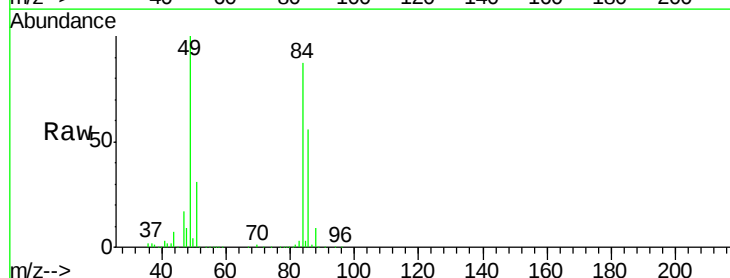
Tgt Ion: 84 Resp: 113986

Ion Ratio Lower Upper

84 100

86 63.6 44.2 82.2

49 114.6 79.0 146.8



Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

100000

80000

60000

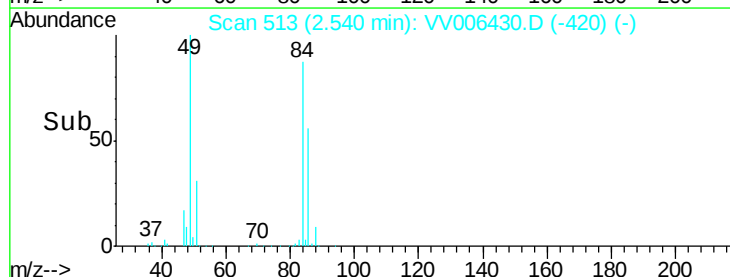
40000

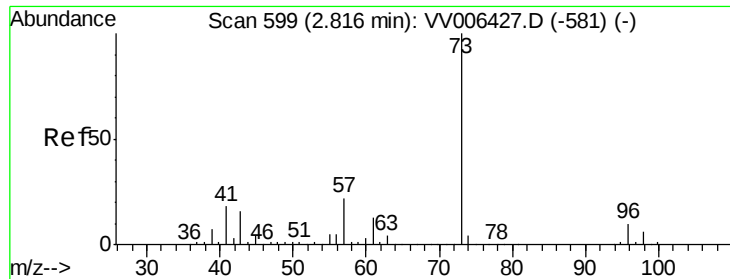
20000

0

Time-->

2.45 2.50 2.55 2.60





#17

Methyl tert-butyl Ether

Concen: 4.375 ug/L

RT: 2.81 min Scan# 598

Delta R.T. -0.00 min

Lab File: VV006430.D

Acq: 25 Jun 2018 14:23

Instrument :

MSVOA_V

ClientSampled :

VICV85

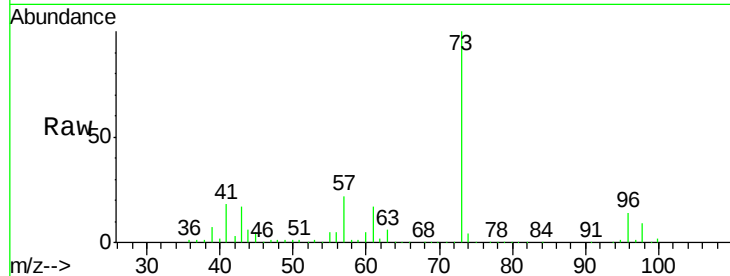
Tgt Ion: 73 Resp: 229498

Ion Ratio Lower Upper

73 100

43 16.3 12.9 19.3

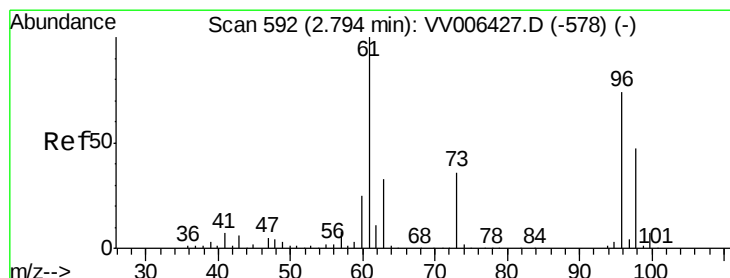
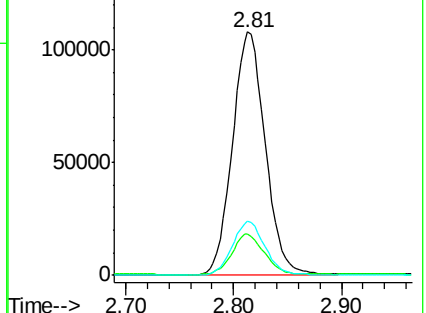
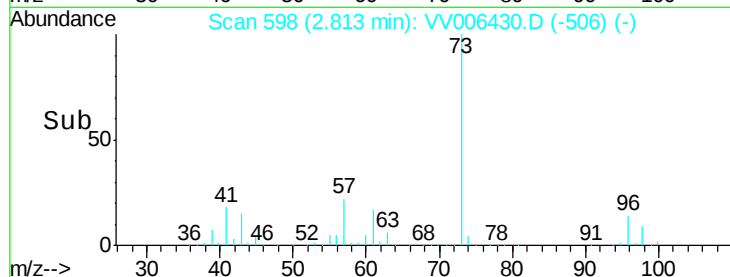
57 22.2 17.5 26.3



Abundance Ion 73.10 (72.80 to 73.80): VV006430.D (-506) (-)

Ion 43.05 (42.75 to 43.75): VV006430.D (-506) (-)

Ion 57.10 (56.80 to 57.80): VV006430.D (-506) (-)



#18

trans-1,2-Dichloroethene

Concen: 4.529 ug/L

RT: 2.79 min Scan# 592

Delta R.T. -0.00 min

Lab File: VV006430.D

Acq: 25 Jun 2018 14:23

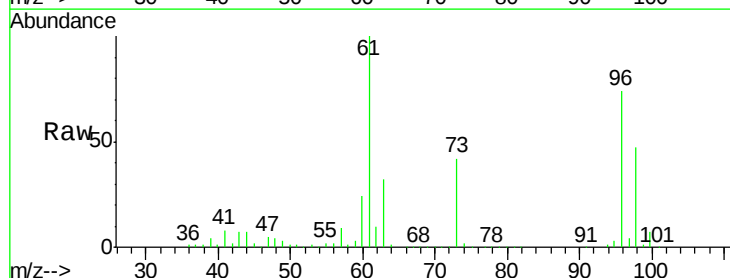
Tgt Ion: 96 Resp: 107297

Ion Ratio Lower Upper

96 100

61 135.9 94.4 175.2

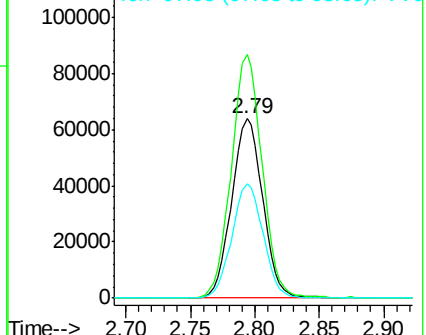
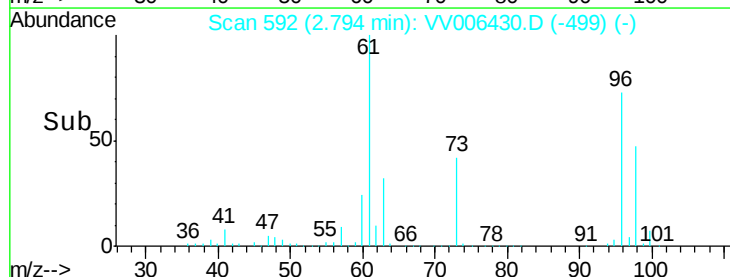
98 63.7 44.3 82.3

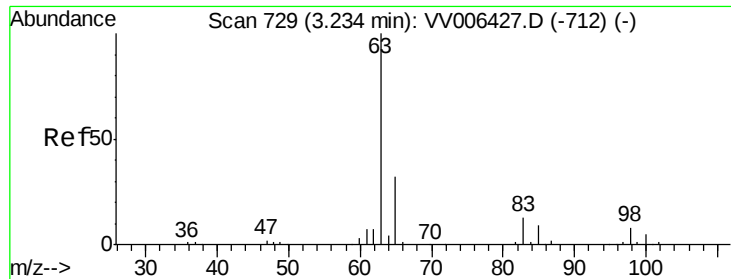


Abundance Ion 96.00 (95.70 to 96.70): VV006430.D (-499) (-)

Ion 61.05 (60.75 to 61.75): VV006430.D (-499) (-)

Ion 97.95 (97.65 to 98.65): VV006430.D (-499) (-)

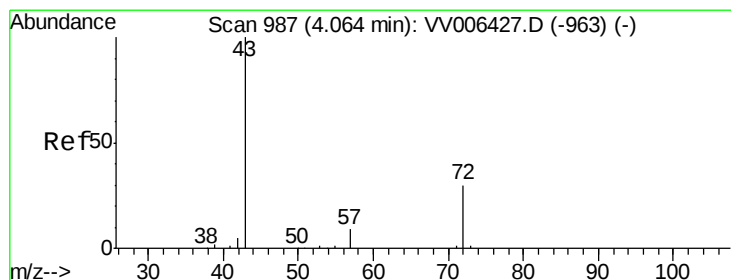
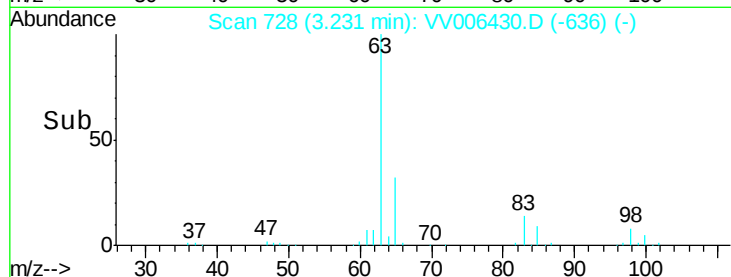
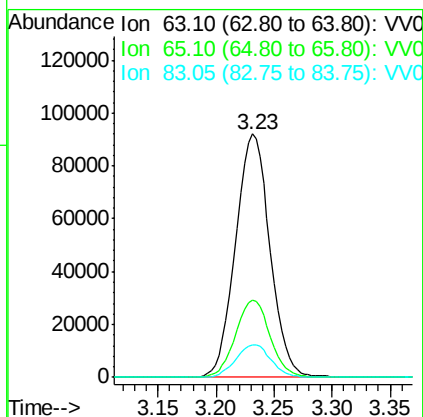
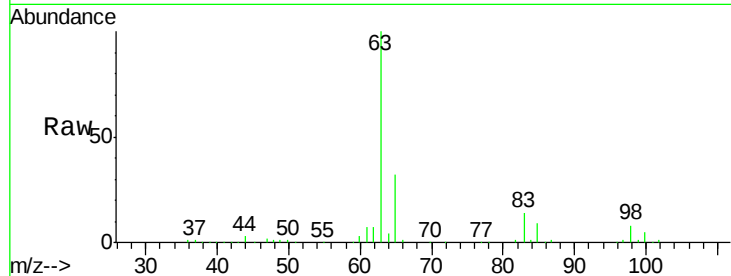




#19
 1,1-Dichloroethane
 Concen: 4.497 ug/L
 RT: 3.23 min Scan# 728
 Delta R.T. -0.00 min
 Lab File: VV006430.D
 Acq: 25 Jun 2018 14:23

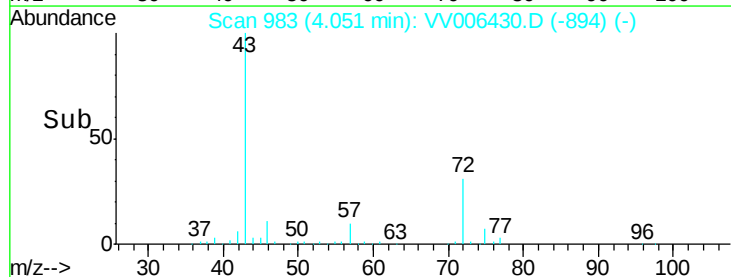
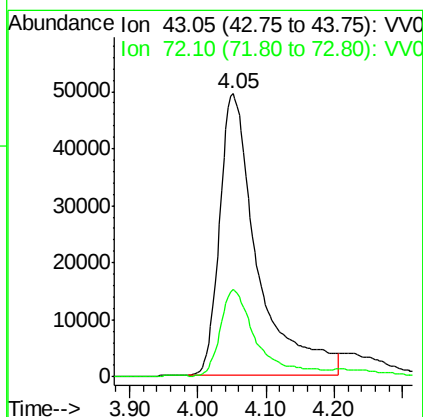
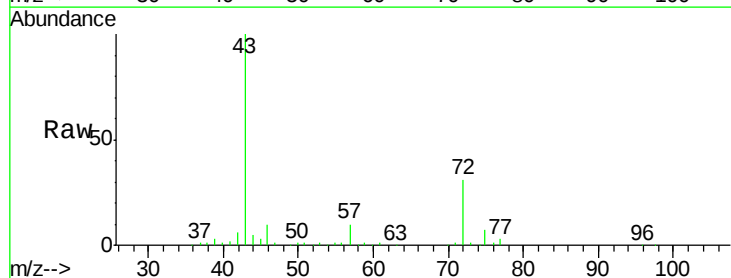
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV85

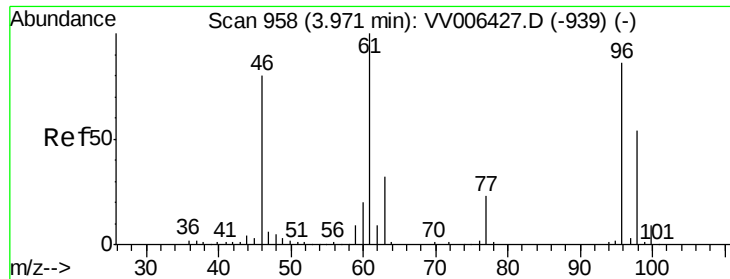
Tgt Ion: 63 Resp: 189773
 Ion Ratio Lower Upper
 63 100
 65 31.8 22.2 41.2
 83 13.5 9.2 17.2



#21
 2-Butanone
 Concen: 38.982 ug/L
 RT: 4.05 min Scan# 983
 Delta R.T. -0.01 min
 Lab File: VV006430.D
 Acq: 25 Jun 2018 14:23

Tgt Ion: 43 Resp: 190394
 Ion Ratio Lower Upper
 43 100
 72 28.3 15.4 46.1

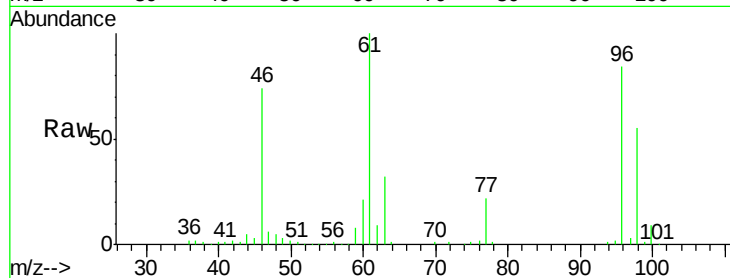




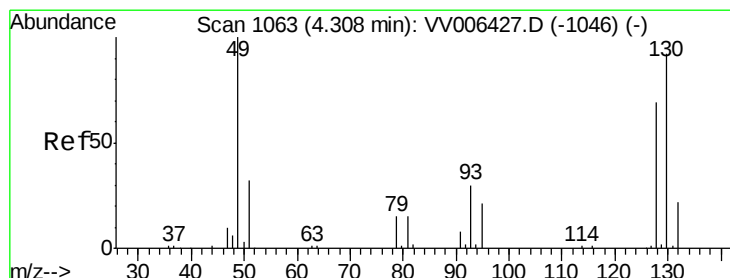
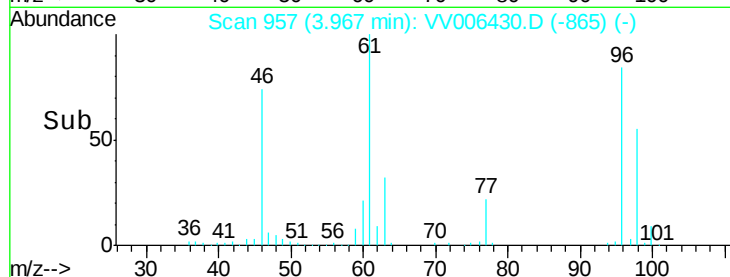
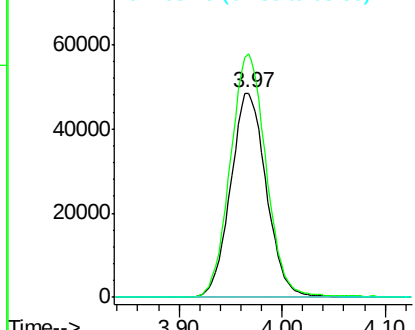
#22
 cis-1,2-Dichloroethene
 Concen: 4.490 ug/L
 RT: 3.97 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VV006430.D
 Acq: 25 Jun 2018 14:23

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV85

Tgt Ion: 96 Resp: 116971
 Ion Ratio Lower Upper
 96 100
 61 119.2 81.8 151.8
 68 0.0 0.0 0.0

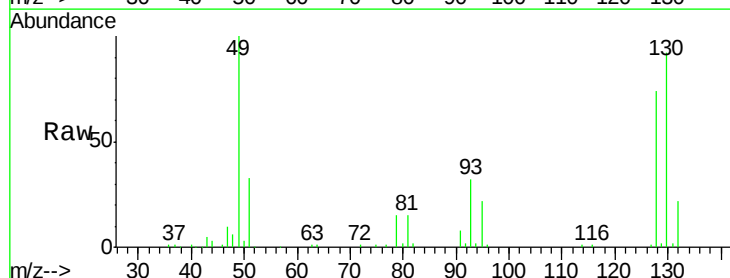


Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0

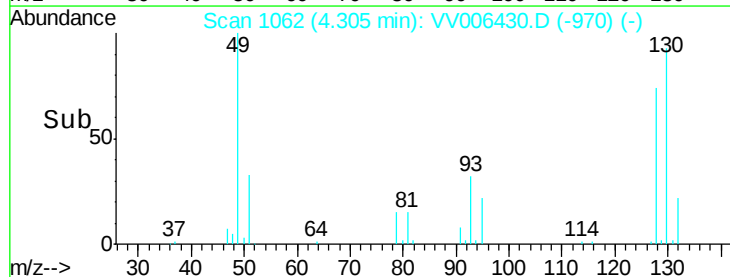
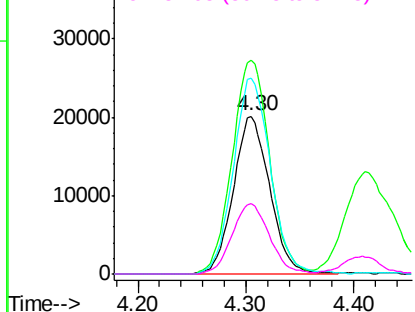


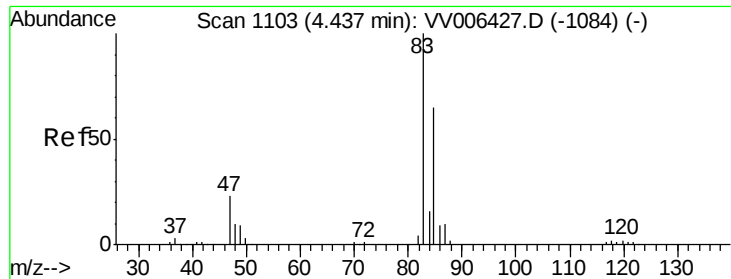
#23
 Bromochloromethane
 Concen: 4.455 ug/L
 RT: 4.30 min Scan# 1062
 Delta R.T. -0.00 min
 Lab File: VV006430.D
 Acq: 25 Jun 2018 14:23

Tgt Ion: 128 Resp: 47159
 Ion Ratio Lower Upper
 128 100
 49 135.4 101.2 188.0
 130 124.6 93.0 172.6
 51 44.5 37.0 55.6



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VV0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VV0

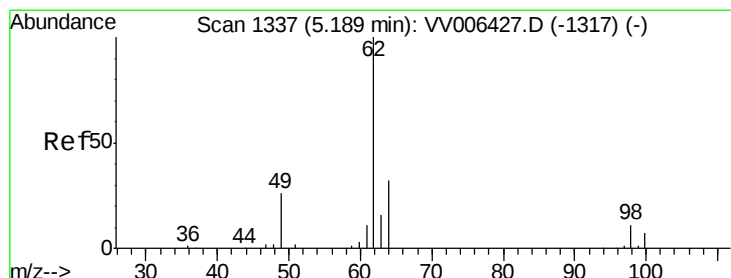
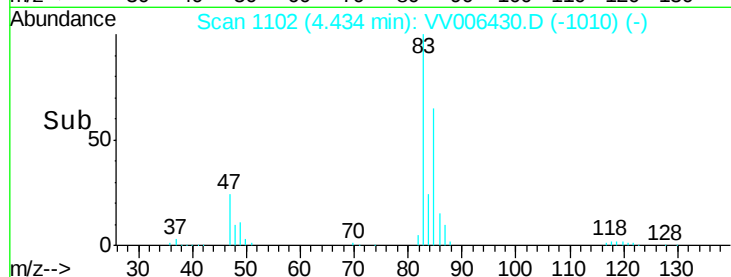
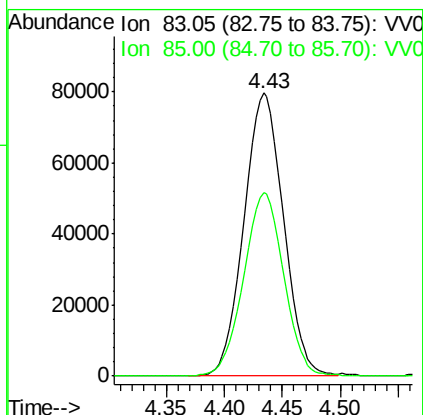
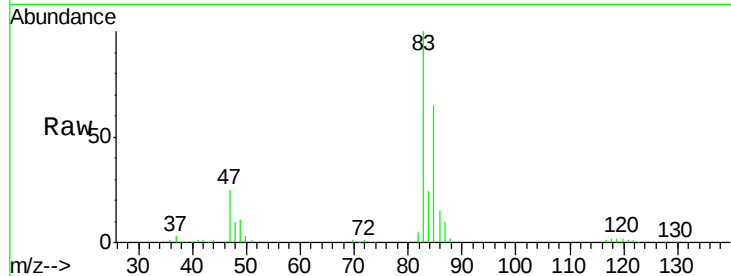




#25
Chloroform
Concen: 4.453 ug/L
RT: 4.43 min Scan# 1102
Delta R.T. -0.00 min
Lab File: VV006430.D
Acq: 25 Jun 2018 14:23

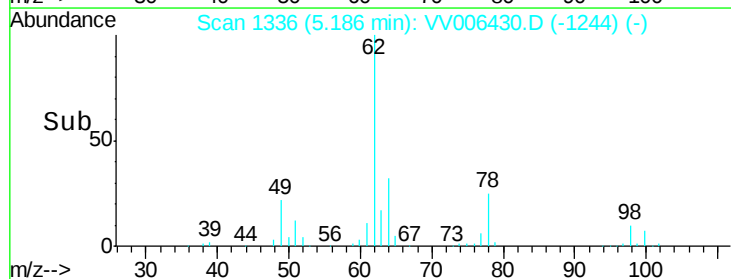
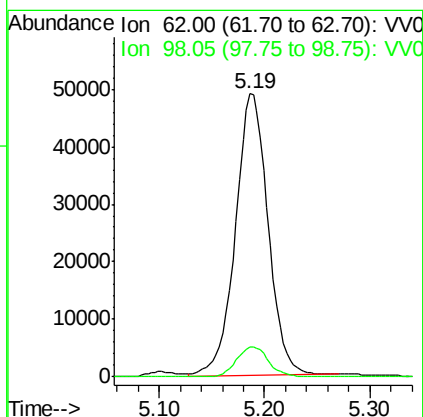
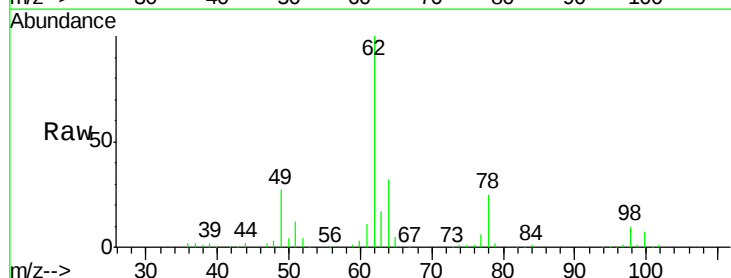
Instrument :
MSVOA_V
ClientSampleId :
VICV85

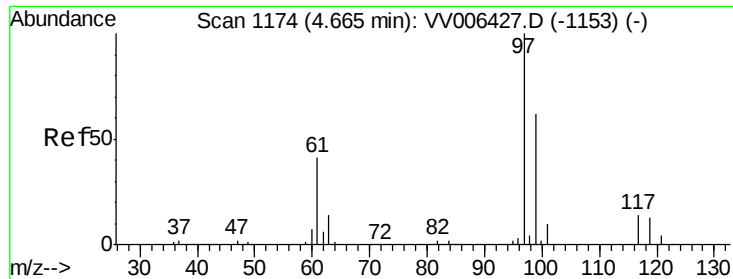
Tgt Ion: 83 Resp: 189402
Ion Ratio Lower Upper
83 100
85 65.0 45.6 84.6



#27
1,2-Dichloroethane
Concen: 4.411 ug/L
RT: 5.19 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VV006430.D
Acq: 25 Jun 2018 14:23

Tgt Ion: 62 Resp: 105409
Ion Ratio Lower Upper
62 100
98 10.5 8.8 13.2

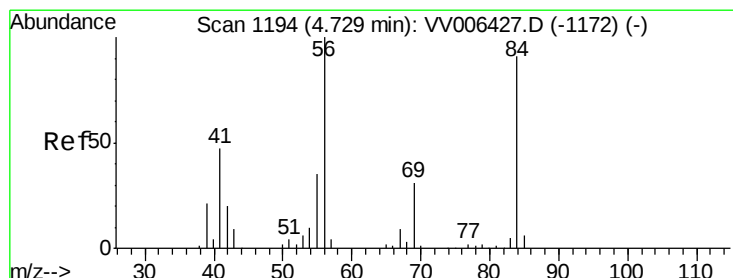
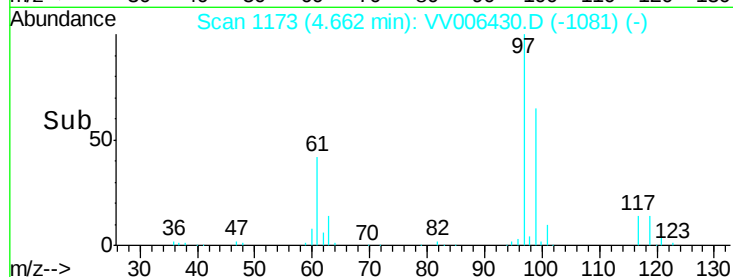
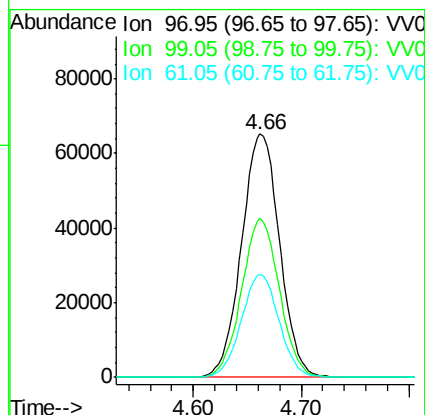
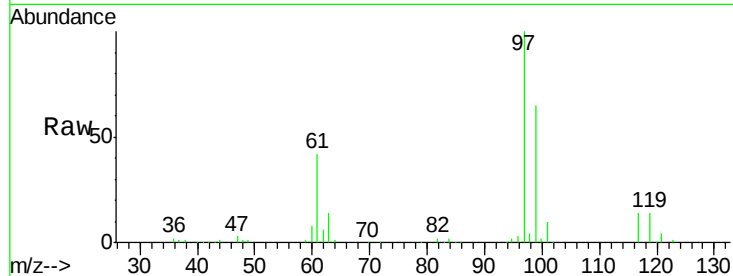




#29
 1,1,1-Trichloroethane
 Concen: 4.506 ug/L
 RT: 4.66 min Scan# 1173
 Delta R.T. -0.00 min
 Lab File: VV006430.D
 Acq: 25 Jun 2018 14:23

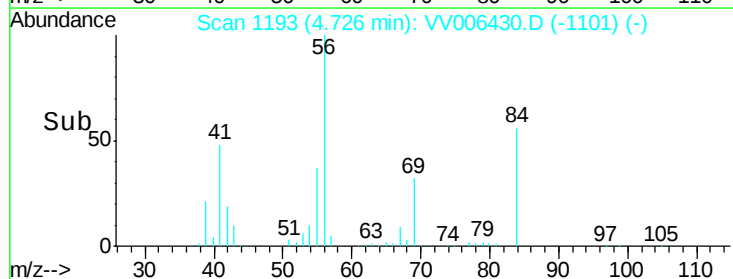
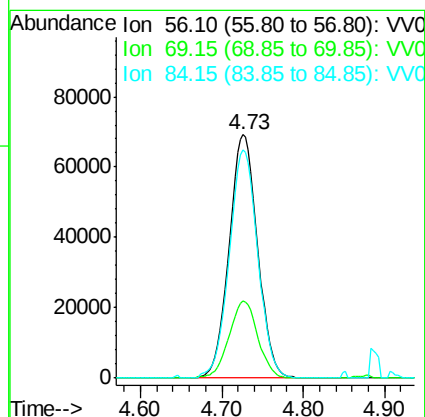
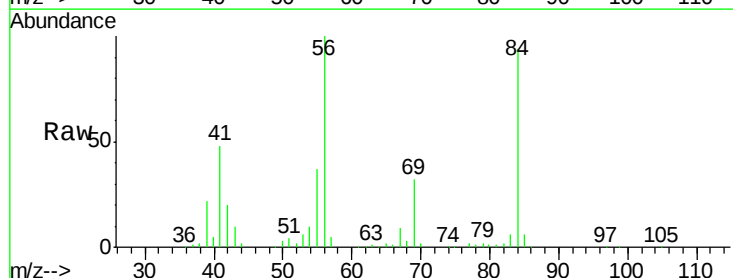
Instrument :
 MSVOA_V
 ClientSampled :
 VICV85

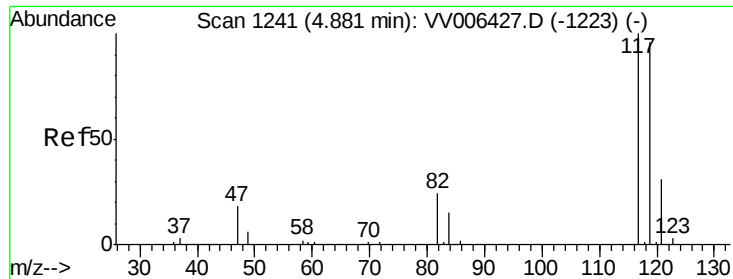
Tgt Ion: 97 Resp: 160241
 Ion Ratio Lower Upper
 97 100
 99 64.7 51.0 76.4
 61 42.1 33.8 50.6



#30
 Cyclohexane
 Concen: 4.764 ug/L
 RT: 4.73 min Scan# 1193
 Delta R.T. -0.00 min
 Lab File: VV006430.D
 Acq: 25 Jun 2018 14:23

Tgt Ion: 56 Resp: 169327
 Ion Ratio Lower Upper
 56 100
 69 32.2 25.6 38.4
 84 93.8 75.4 113.0

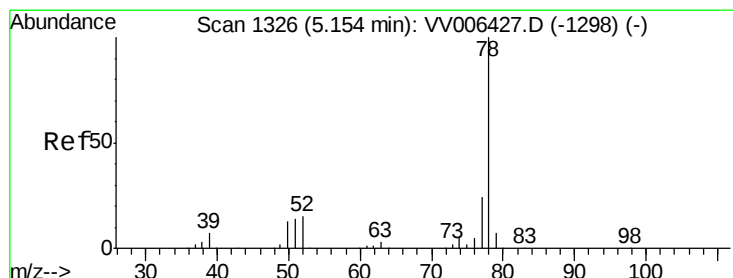
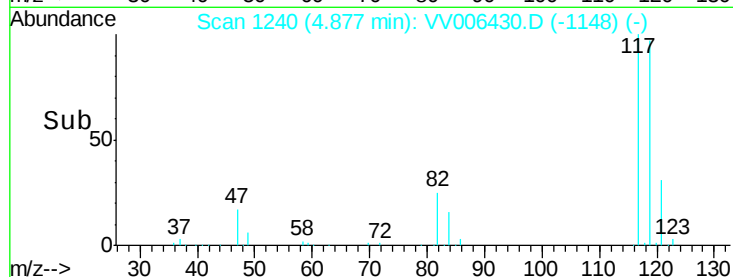
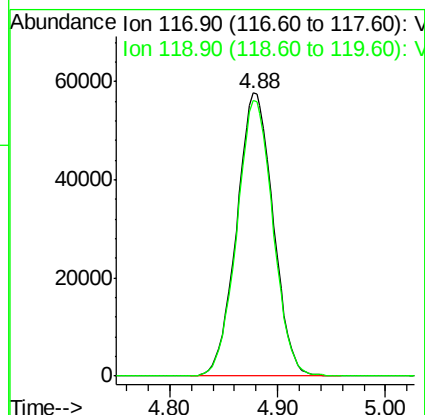
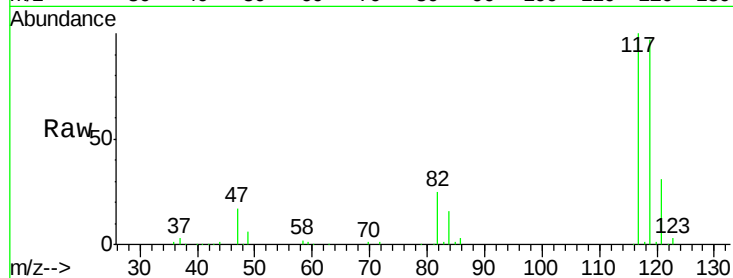




#31
Carbon tetrachloride
Concen: 4.545 ug/L
RT: 4.88 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VV006430.D
Acq: 25 Jun 2018 14:23

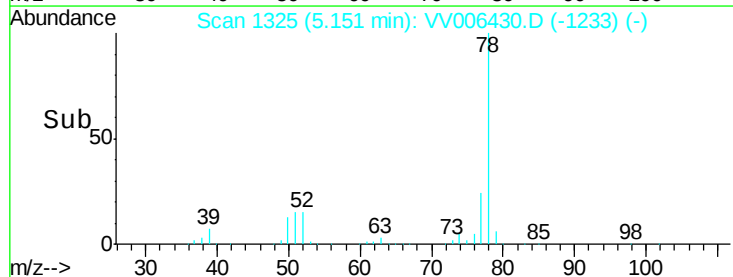
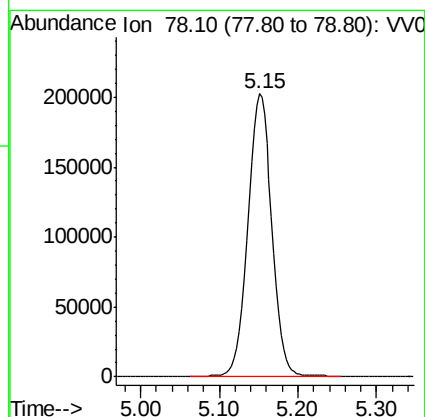
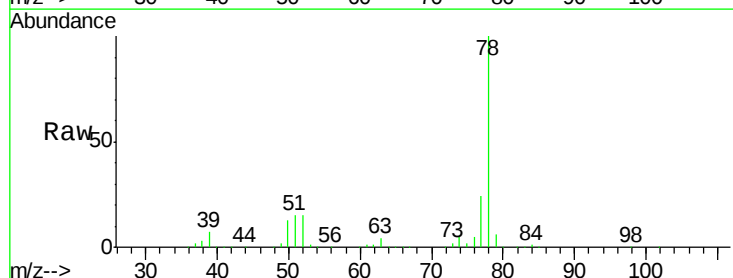
Instrument :
MSVOA_V
ClientSampleId :
VICV85

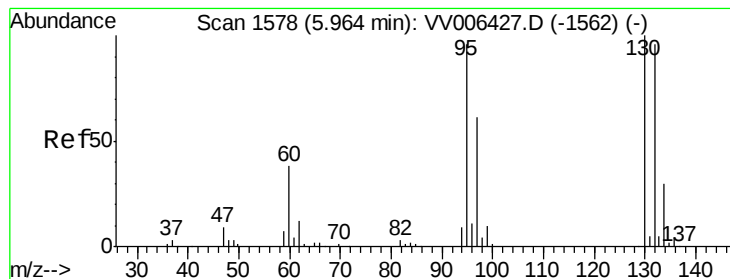
Tgt Ion:117 Resp: 135573
Ion Ratio Lower Upper
117 100
119 96.6 77.4 116.0



#33
Benzene
Concen: 4.550 ug/L
RT: 5.15 min Scan# 1325
Delta R.T. -0.00 min
Lab File: VV006430.D
Acq: 25 Jun 2018 14:23

Tgt Ion: 78 Resp: 438243





#34

Trichloroethene

Concen: 4.433 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VV006430.D

Acq: 25 Jun 2018 14:23

Instrument :

MSVOA_V

ClientSampleId :

VICV85

Tgt Ion: 95 Resp: 122127

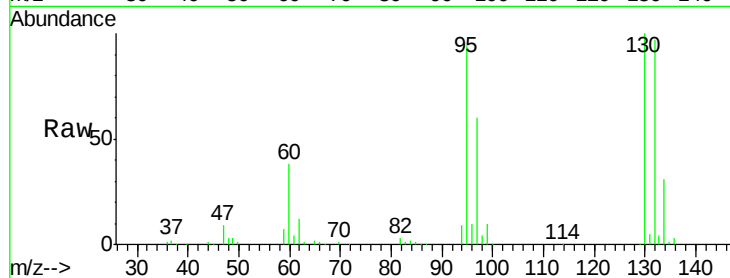
Ion Ratio Lower Upper

95 100

97 64.2 44.6 82.8

132 102.9 70.1 130.1

130 106.6 73.3 136.1

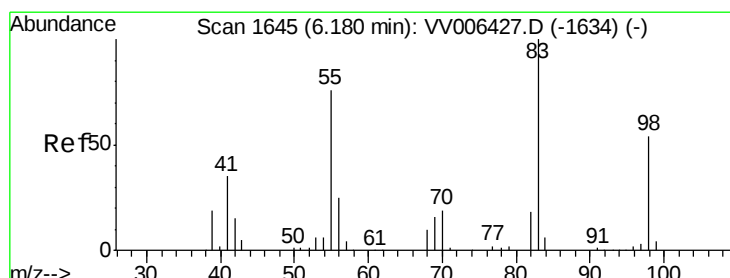
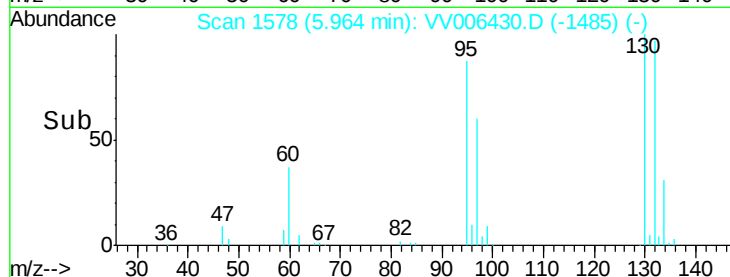
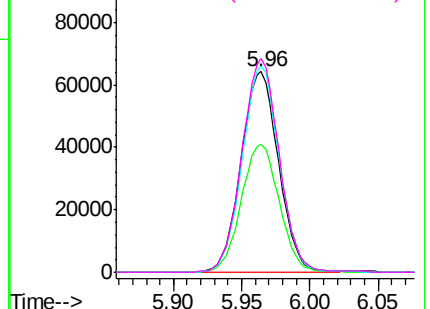


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 4.864 ug/L

RT: 6.18 min Scan# 1645

Delta R.T. -0.00 min

Lab File: VV006430.D

Acq: 25 Jun 2018 14:23

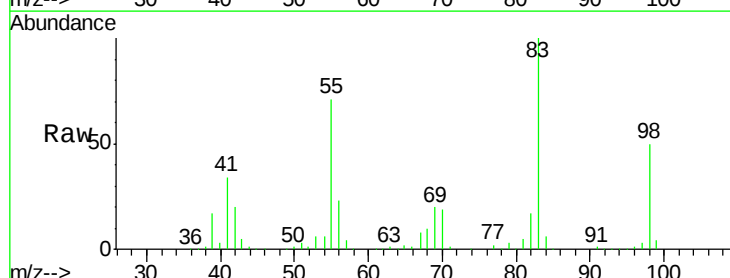
Tgt Ion: 83 Resp: 194870

Ion Ratio Lower Upper

83 100

55 71.8 57.5 86.3

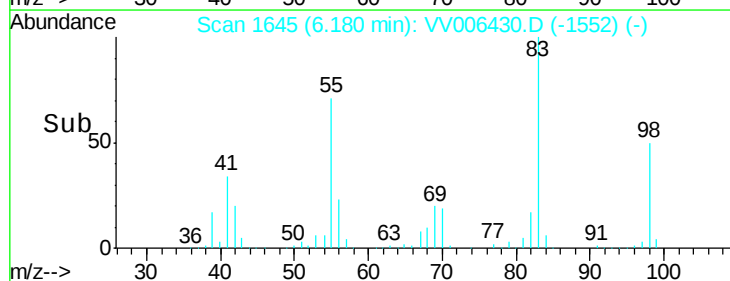
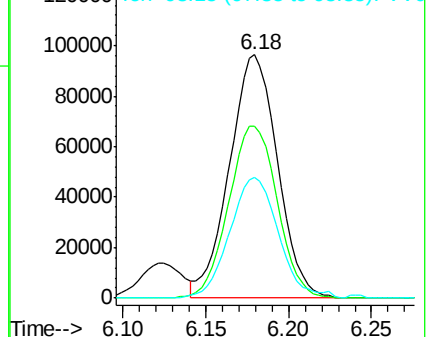
98 50.3 39.6 59.4

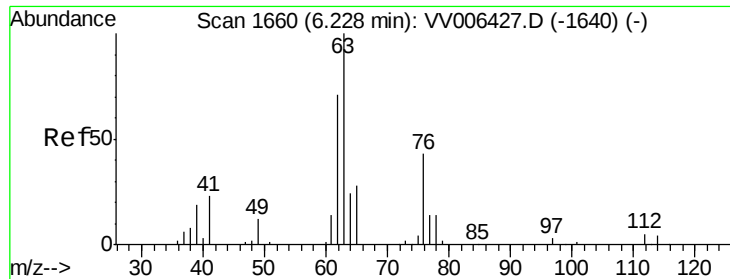


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 4.463 ug/L

RT: 6.23 min Scan# 1660

Delta R.T. -0.00 min

Lab File: VV006430.D

Acq: 25 Jun 2018 14:23

Instrument :

MSVOA_V

ClientSampleId :

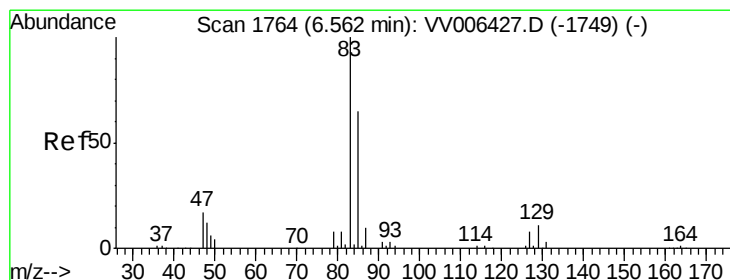
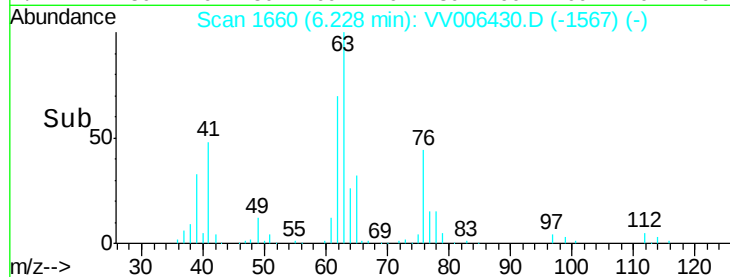
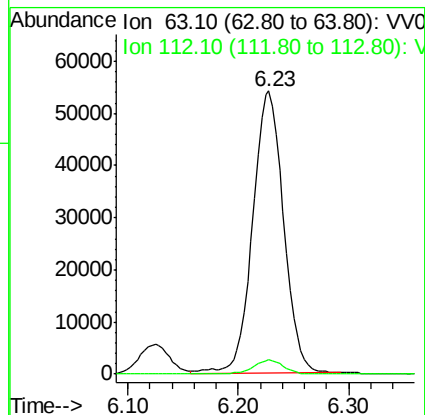
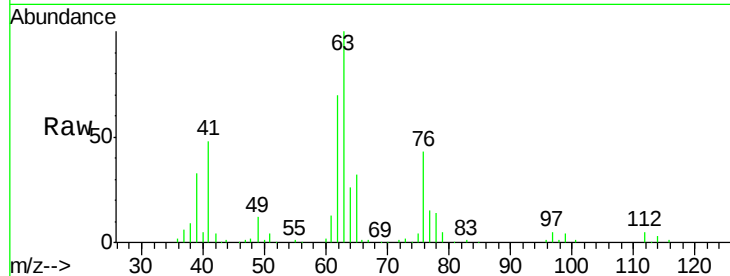
VICV85

Tgt Ion: 63 Resp: 105047

Ion Ratio Lower Upper

63 100

112 4.8 4.0 6.0



#38

Bromodichloromethane

Concen: 4.432 ug/L

RT: 6.56 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VV006430.D

Acq: 25 Jun 2018 14:23

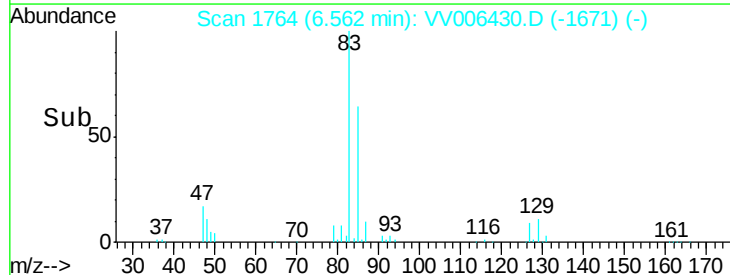
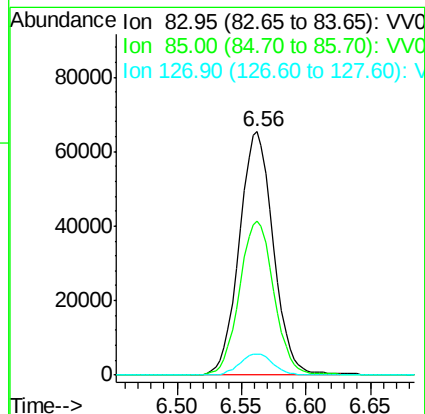
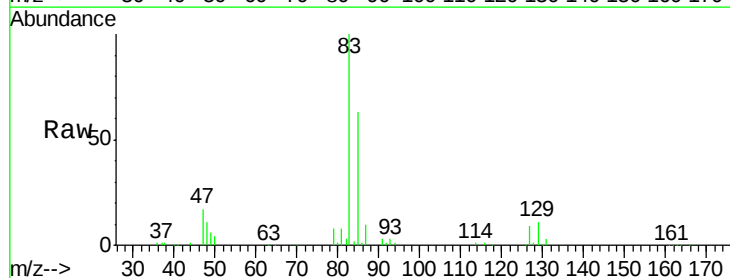
Tgt Ion: 83 Resp: 120066

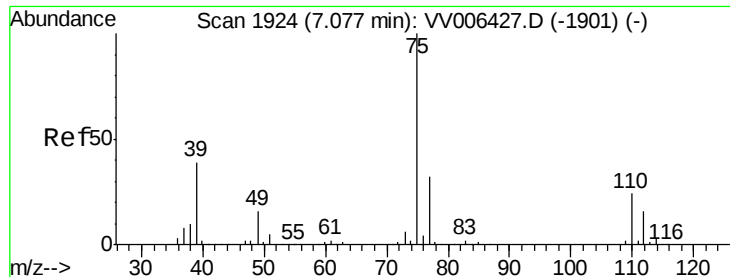
Ion Ratio Lower Upper

83 100

85 63.4 45.1 83.9

127 8.7 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 4.607 ug/L

RT: 7.08 min Scan# 1924

Delta R.T. -0.00 min

Lab File: VV006430.D

Acq: 25 Jun 2018 14:23

Instrument :

MSVOA_V

ClientSampleId :

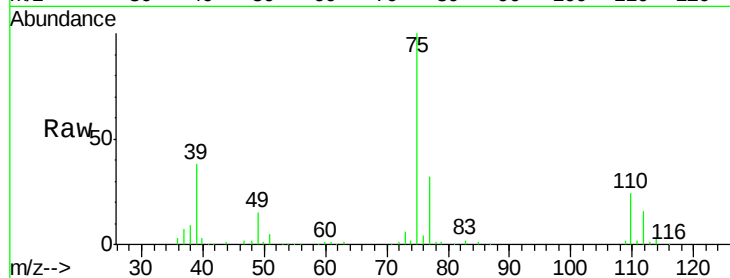
VICV85

Tgt Ion: 75 Resp: 150884

Ion Ratio Lower Upper

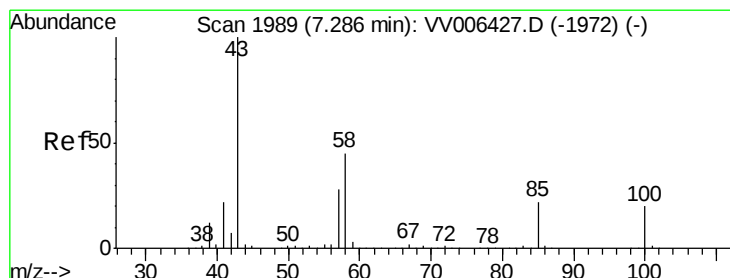
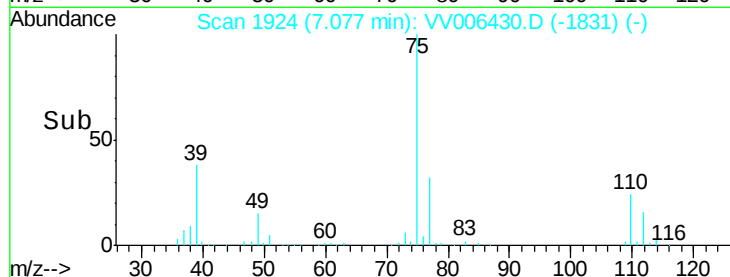
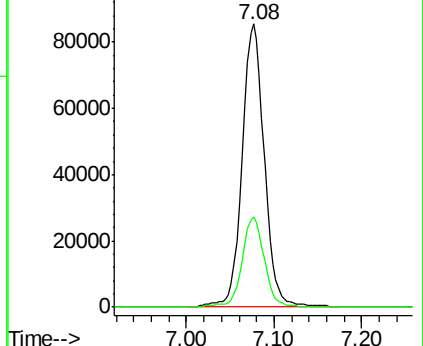
75 100

77 31.6 22.3 41.3



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#40

4-Methyl-2-pentanone

Concen: 44.325 ug/L

RT: 7.28 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VV006430.D

Acq: 25 Jun 2018 14:23

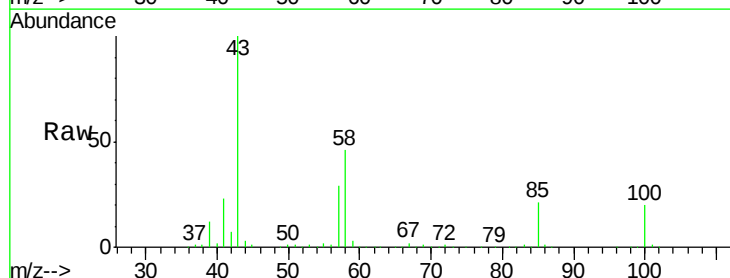
Tgt Ion: 43 Resp: 507633

Ion Ratio Lower Upper

43 100

58 45.7 35.4 53.2

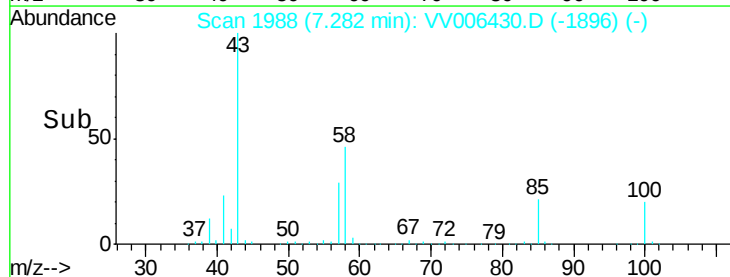
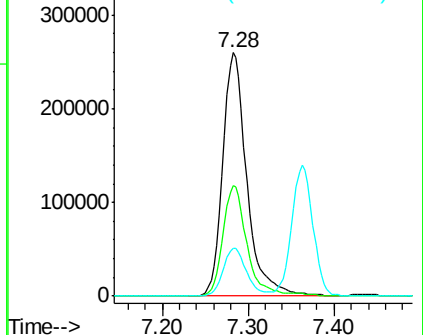
100 19.2 15.5 23.3

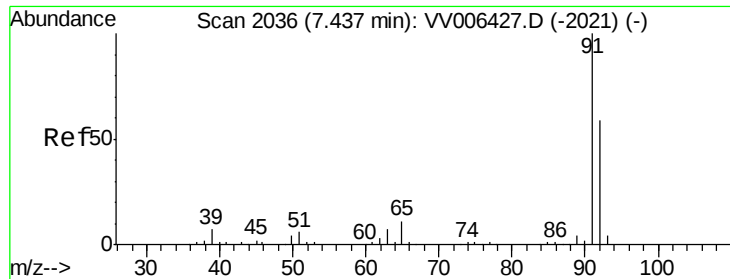


Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 100.15 (99.85 to 100.85): VV0





#42

Toluene

Concen: 4.642 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. -0.00 min

Lab File: VV006430.D

Acq: 25 Jun 2018 14:23

Instrument :

MSVOA_V

ClientSampleId :

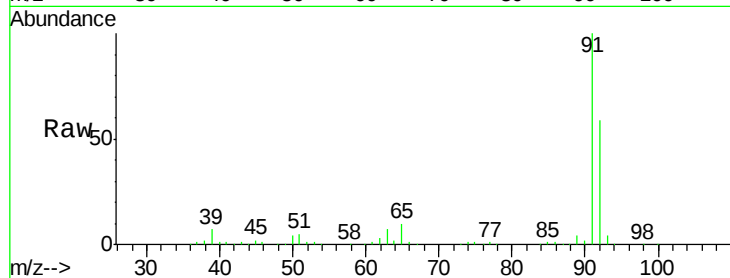
VICV85

Tgt Ion: 91 Resp: 473480

Ion Ratio Lower Upper

91 100

92 58.5 41.2 76.4



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.44

300000

250000

200000

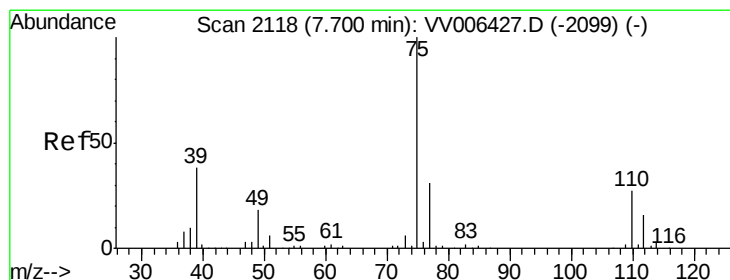
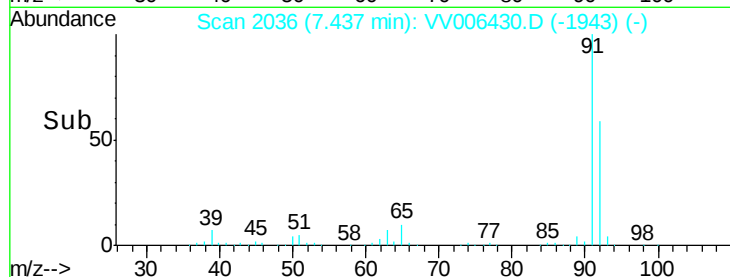
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.529 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VV006430.D

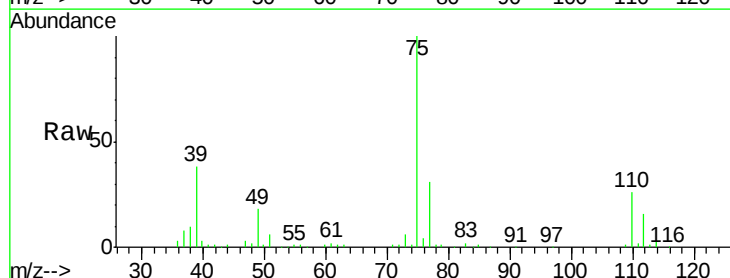
Acq: 25 Jun 2018 14:23

Tgt Ion: 75 Resp: 116349

Ion Ratio Lower Upper

75 100

77 31.2 21.6 40.2



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.70

80000

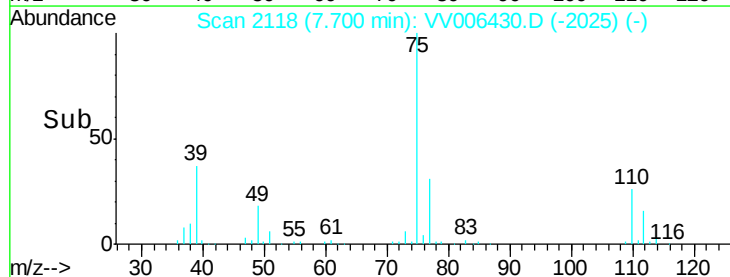
60000

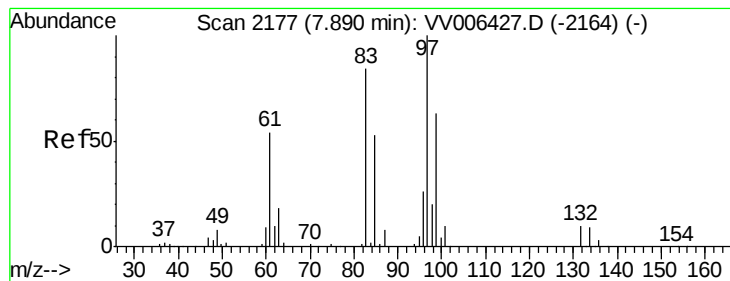
40000

20000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 4.548 ug/L

RT: 7.89 min Scan# 2177

Delta R.T. -0.00 min

Lab File: VV006430.D

Acq: 25 Jun 2018 14:23

Instrument :

MSVOA_V

ClientSampleId :

VICV85

Tgt Ion: 97 Resp: 73936

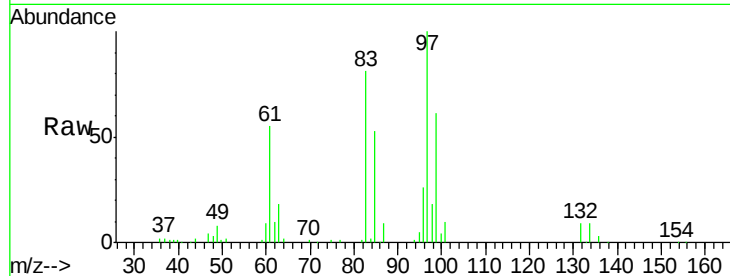
Ion Ratio Lower Upper

97 100

99 60.7 44.2 82.2

83 81.4 59.0 109.6

85 53.0 36.8 68.3

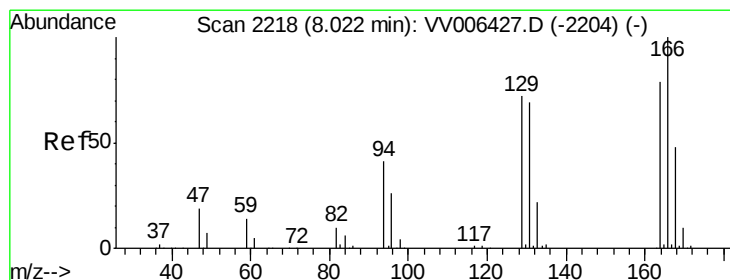
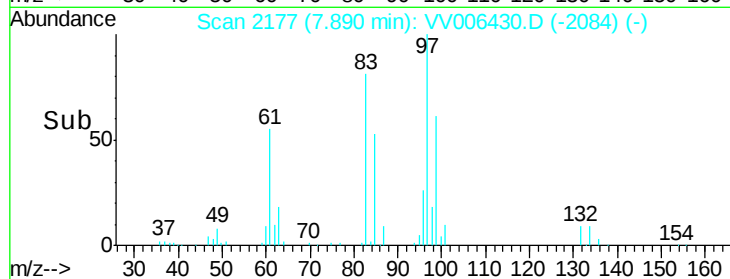
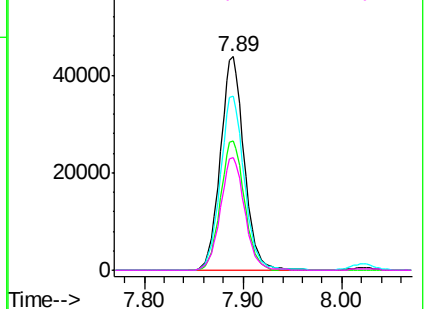


Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47

Tetrachloroethene

Concen: 4.637 ug/L

RT: 8.02 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VV006430.D

Acq: 25 Jun 2018 14:23

Tgt Ion:164 Resp: 96515

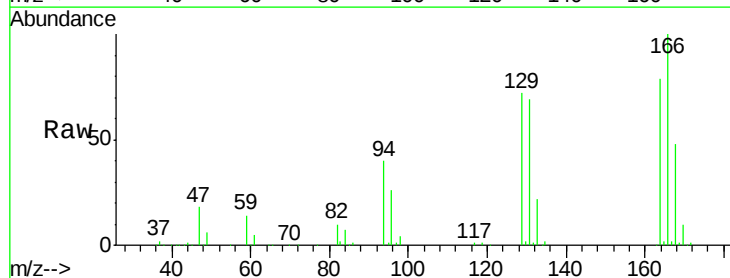
Ion Ratio Lower Upper

164 100

129 91.1 64.0 118.8

131 87.9 61.7 114.5

166 126.7 89.0 165.2

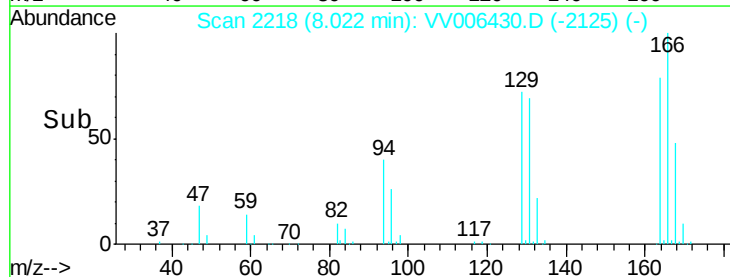
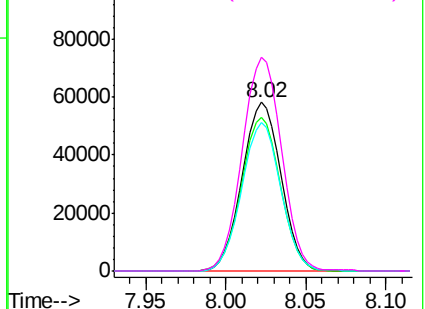


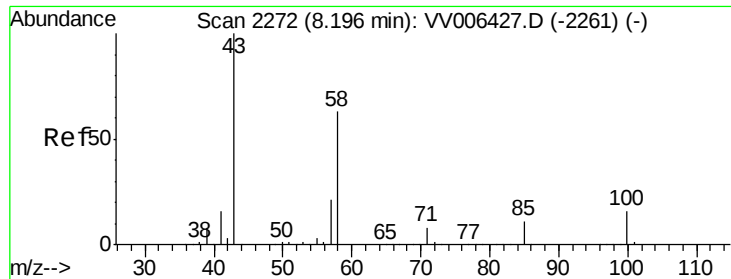
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

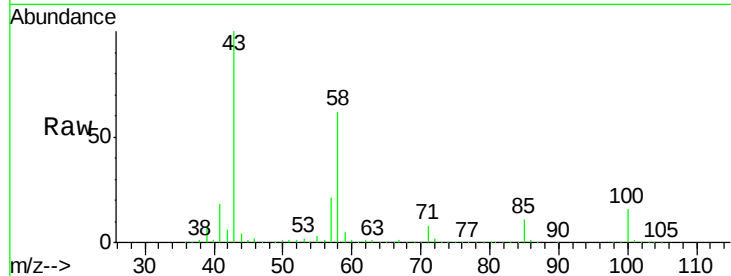




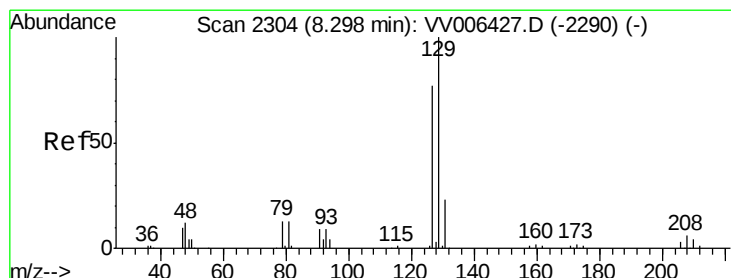
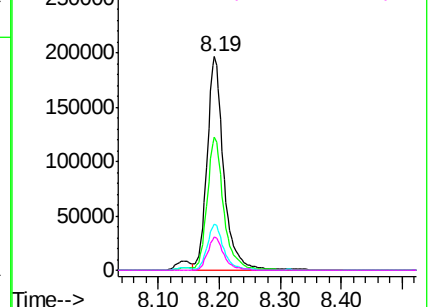
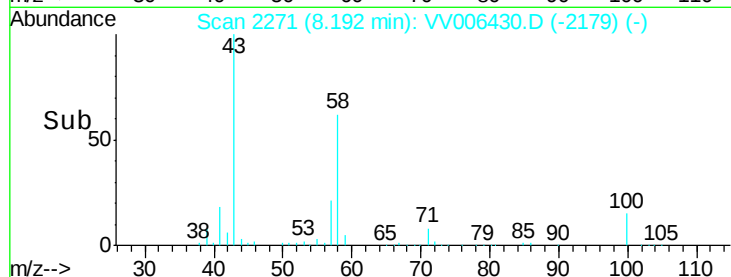
#48
2-Hexanone
Concen: 45.035 ug/L
RT: 8.19 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VV006430.D
Acq: 25 Jun 2018 14:23

Instrument :
MSVOA_V
ClientSampleId :
VICV85

Tgt Ion: 43 Resp: 371061
Ion Ratio Lower Upper
43 100
58 61.3 49.9 74.9
57 21.4 17.3 25.9
100 15.3 12.5 18.7

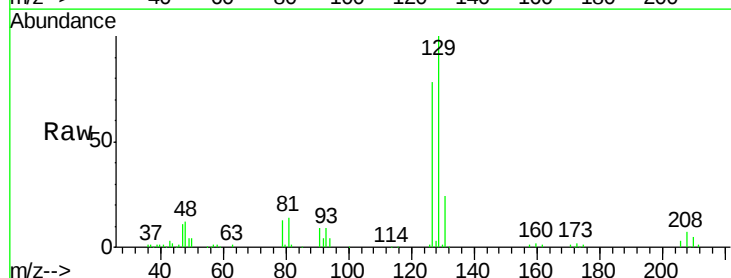


Abundance Ion 43.05 (42.75 to 43.75): VV006430.D (-2179) (-)
Ion 58.05 (57.75 to 58.75): VV006430.D (-2179) (-)
Ion 57.20 (56.90 to 57.90): VV006430.D (-2179) (-)
Ion 100.15 (99.85 to 100.85): VV006430.D (-2179) (-)

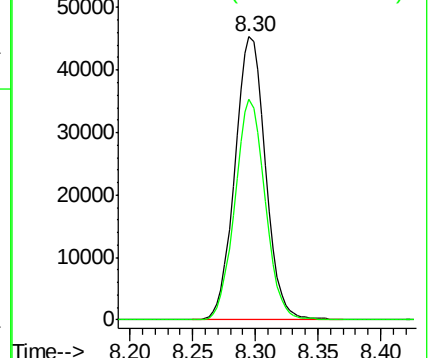
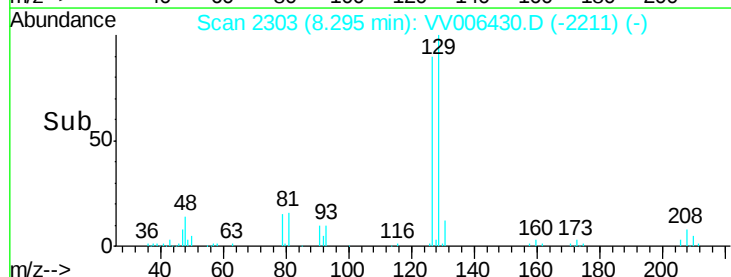


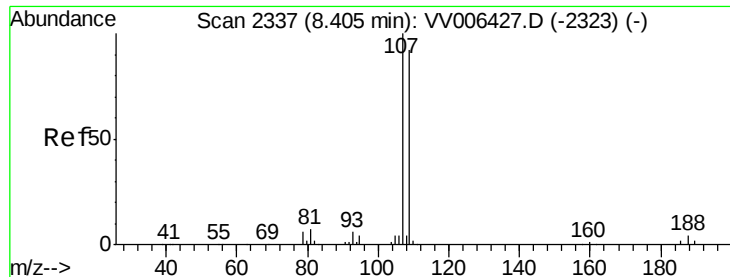
#49
Dibromochloromethane
Concen: 4.443 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VV006430.D
Acq: 25 Jun 2018 14:23

Tgt Ion: 129 Resp: 76987
Ion Ratio Lower Upper
129 100
127 77.9 54.0 100.2



Abundance Ion 128.95 (128.65 to 129.65): VV006430.D (-2211) (-)
Ion 126.90 (126.60 to 127.60): VV006430.D (-2211) (-)

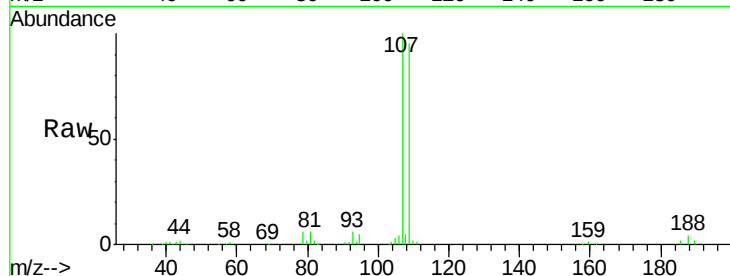




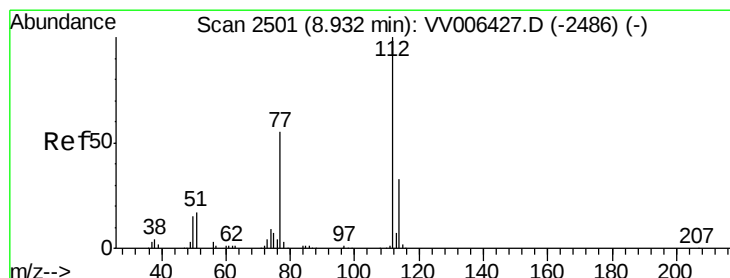
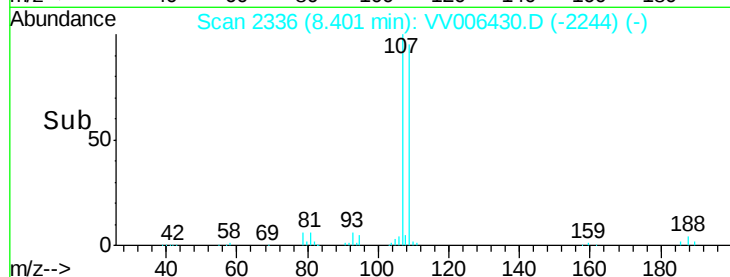
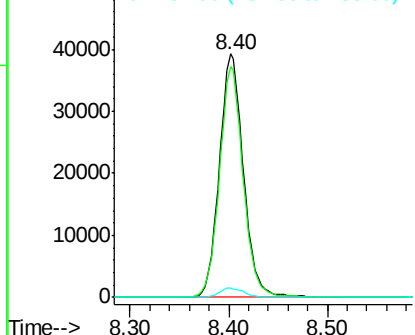
#50
1,2-Dibromoethane
Concen: 4.593 ug/L
RT: 8.40 min Scan# 2336
Delta R.T. -0.00 min
Lab File: VV006430.D
Acq: 25 Jun 2018 14:23

Instrument :
MSVOA_V
ClientSampled :
VICV85

Tgt Ion:107 Resp: 67124
Ion Ratio Lower Upper
107 100
109 94.9 64.3 119.5
188 3.9 3.0 4.6

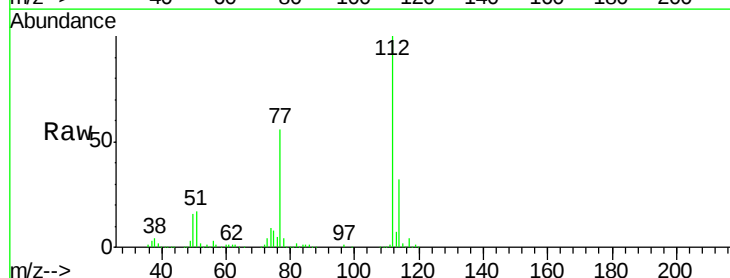


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

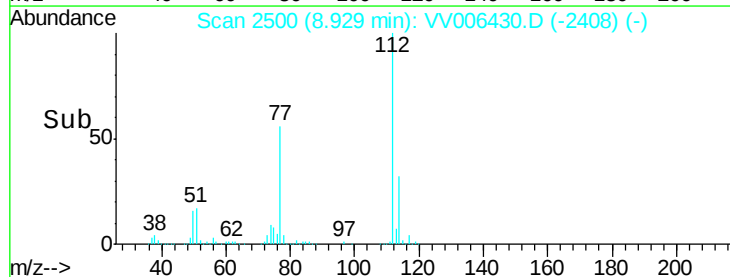
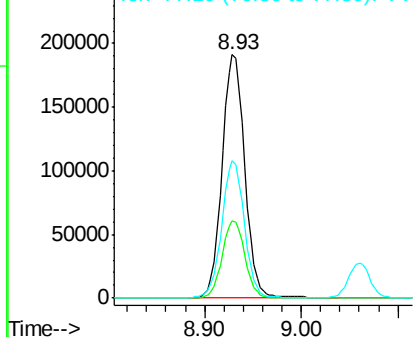


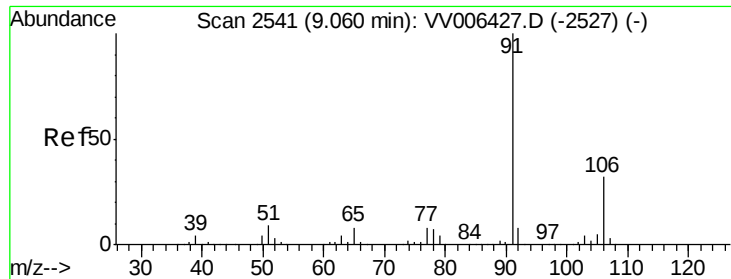
#51
Chlorobenzene
Concen: 4.620 ug/L
RT: 8.93 min Scan# 2500
Delta R.T. -0.00 min
Lab File: VV006430.D
Acq: 25 Jun 2018 14:23

Tgt Ion:112 Resp: 311830
Ion Ratio Lower Upper
112 100
114 31.7 22.8 42.4
77 56.4 44.6 66.8



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 4.697 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. -0.00 min

Lab File: VV006430.D

Acq: 25 Jun 2018 14:23

Instrument :

MSVOA_V

ClientSampleId :

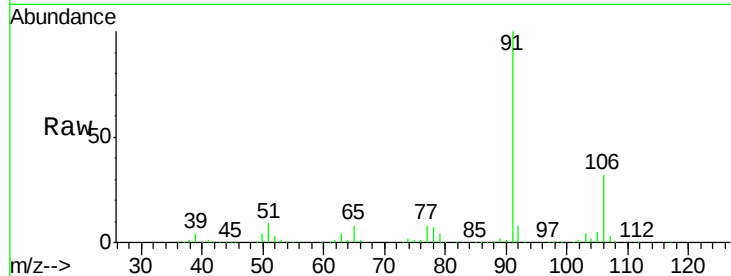
VICV85

Tgt Ion: 91 Resp: 518601

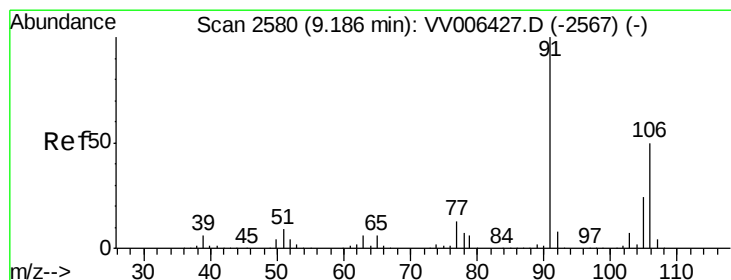
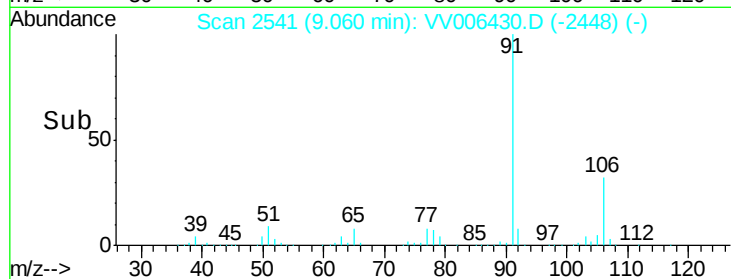
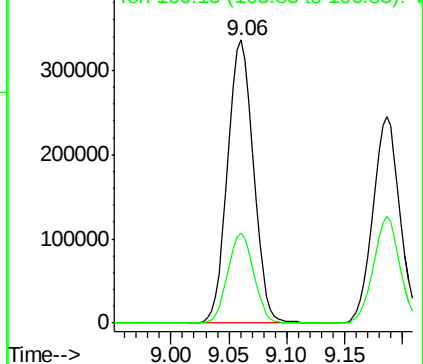
Ion Ratio Lower Upper

91 100

106 31.7 22.2 41.2



Abundance Ion 91.15 (90.85 to 91.85): VV006430.D (-2448) (-)



#53

m,p-xylene

Concen: 4.725 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. -0.00 min

Lab File: VV006430.D

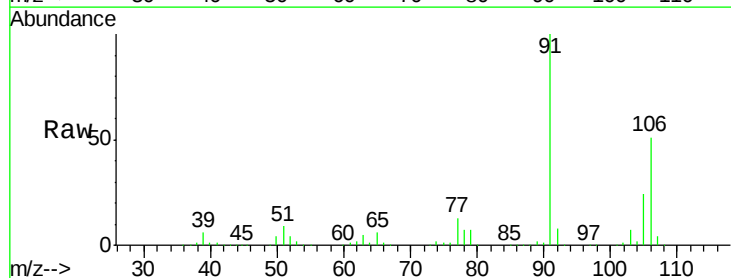
Acq: 25 Jun 2018 14:23

Tgt Ion: 106 Resp: 201220

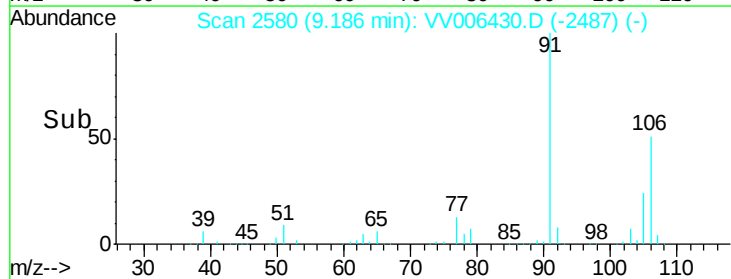
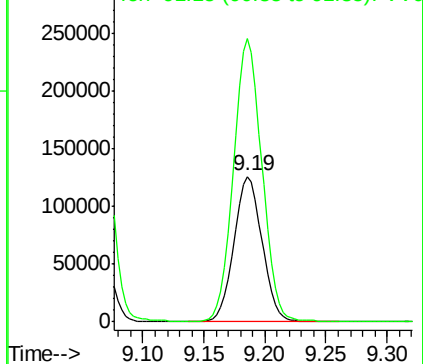
Ion Ratio Lower Upper

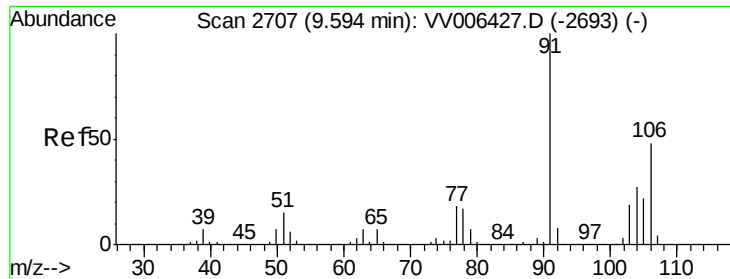
106 100

91 194.6 138.8 257.8



Abundance Ion 106.15 (105.85 to 106.85): VV006430.D (-2487) (-)

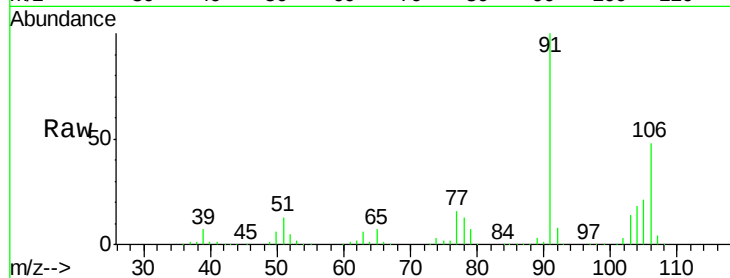




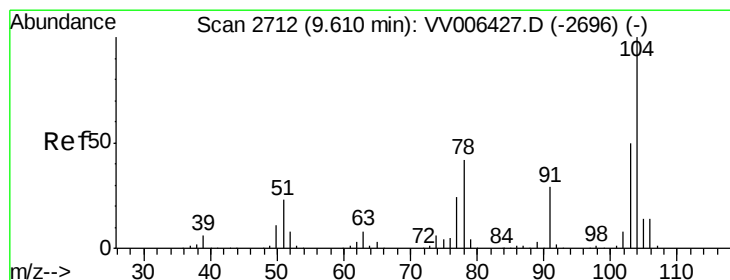
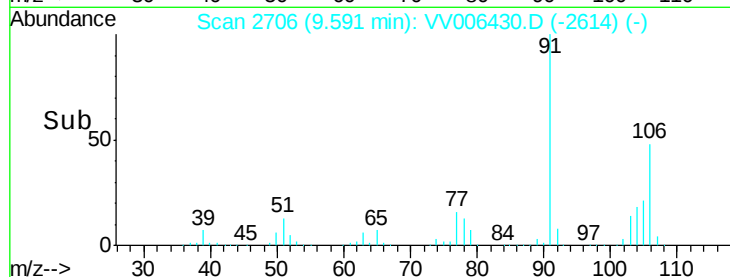
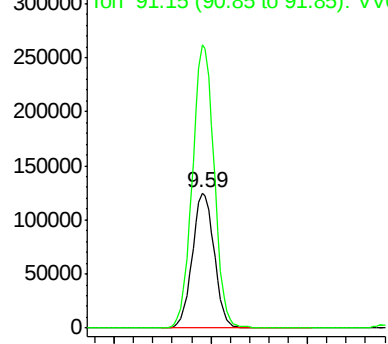
#54
o-xylene
Concen: 4.698 ug/L
RT: 9.59 min Scan# 2706
Delta R.T. -0.00 min
Lab File: VV006430.D
Acq: 25 Jun 2018 14:23

Instrument :
MSVOA_V
ClientSampleId :
VICV85

Tgt Ion:106 Resp: 196258
Ion Ratio Lower Upper
106 100
91 209.0 145.7 270.7

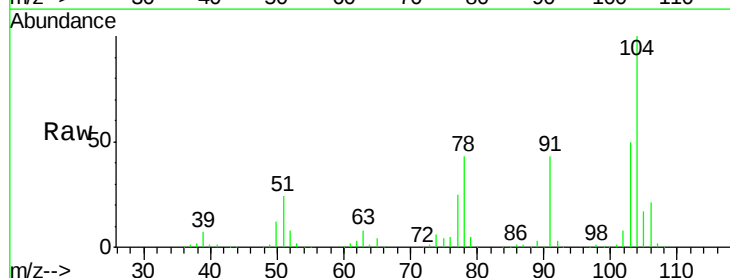


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

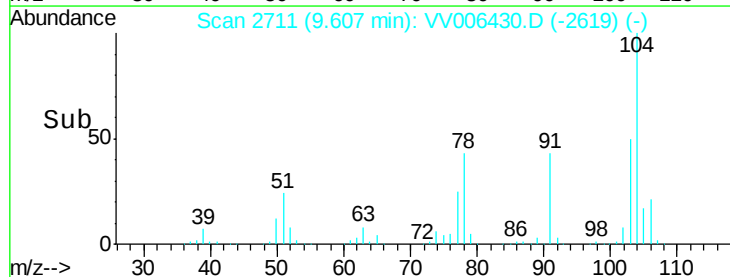
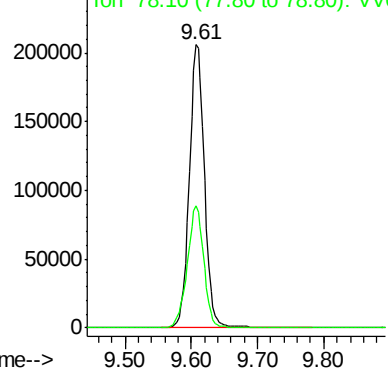


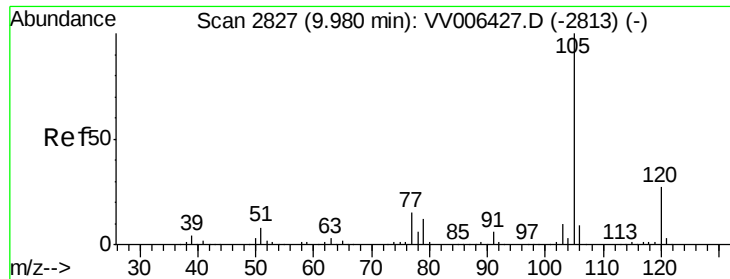
#55
Styrene
Concen: 4.773 ug/L
RT: 9.61 min Scan# 2711
Delta R.T. -0.00 min
Lab File: VV006430.D
Acq: 25 Jun 2018 14:23

Tgt Ion:104 Resp: 326244
Ion Ratio Lower Upper
104 100
78 43.0 29.1 54.1



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 4.796 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. -0.00 min

Lab File: VV006430.D

Acq: 25 Jun 2018 14:23

Instrument :

MSVOA_V

ClientSampleId :

VICV85

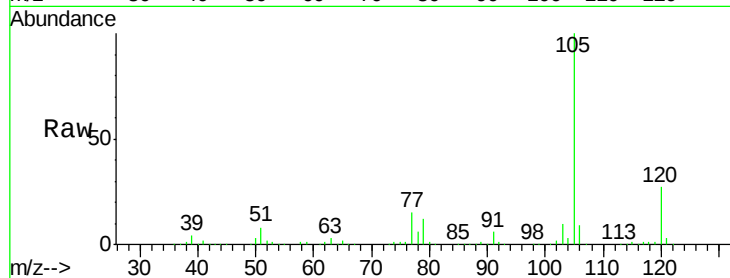
Tgt Ion: 105 Resp: 522072

Ion Ratio Lower Upper

105 100

120 26.9 21.7 32.5

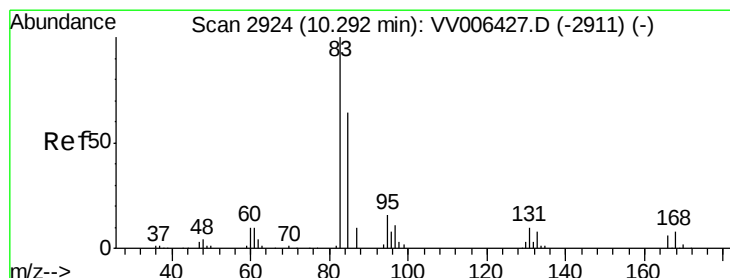
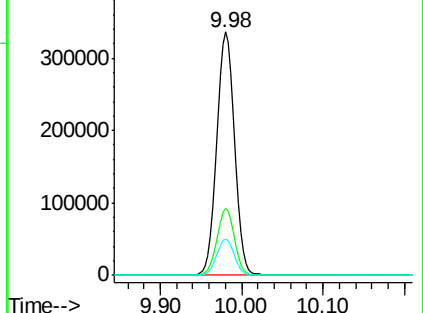
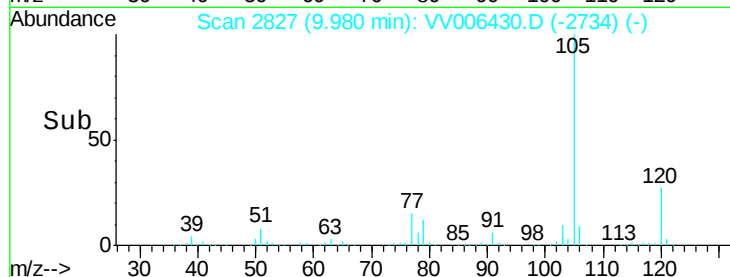
77 14.9 11.8 17.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.411 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. -0.00 min

Lab File: VV006430.D

Acq: 25 Jun 2018 14:23

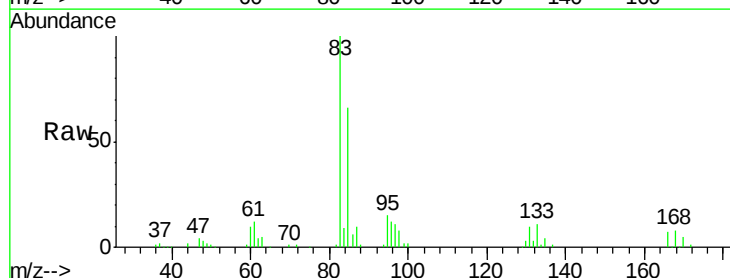
Tgt Ion: 83 Resp: 67622

Ion Ratio Lower Upper

83 100

85 65.7 44.8 83.2

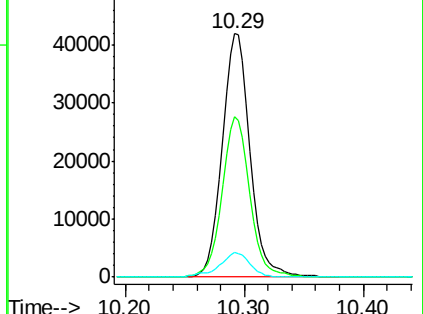
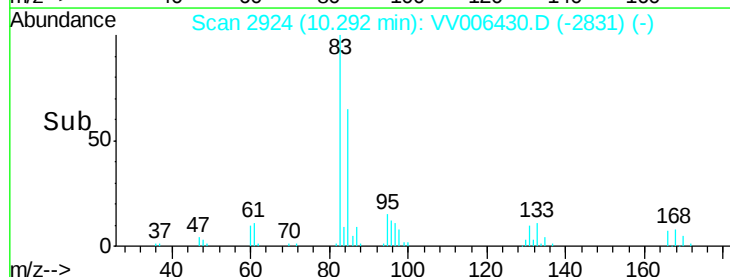
131 9.9 7.9 11.9

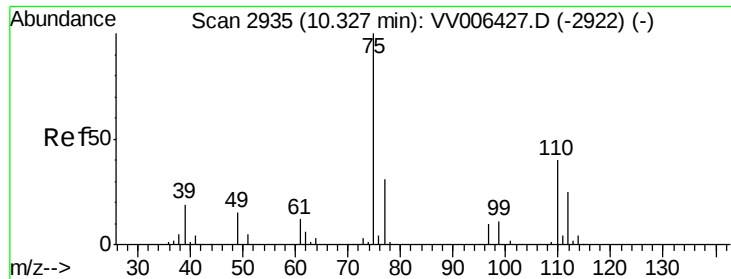


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.446 ug/L

RT: 10.32 min Scan# 2934

Delta R.T. -0.00 min

Lab File: VV006430.D

Acq: 25 Jun 2018 14:23

Instrument :

MSVOA_V

ClientSampled :

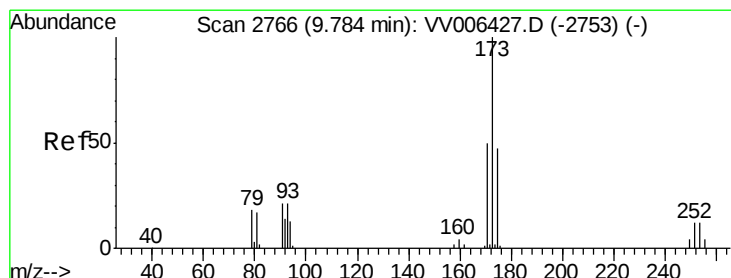
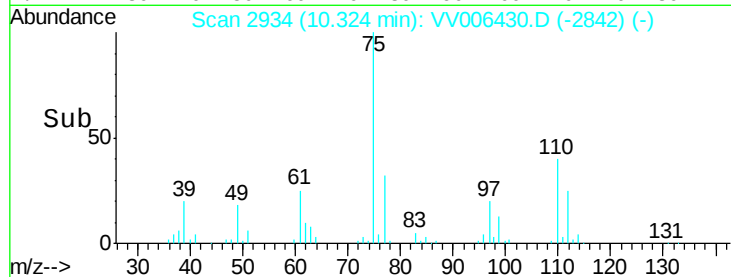
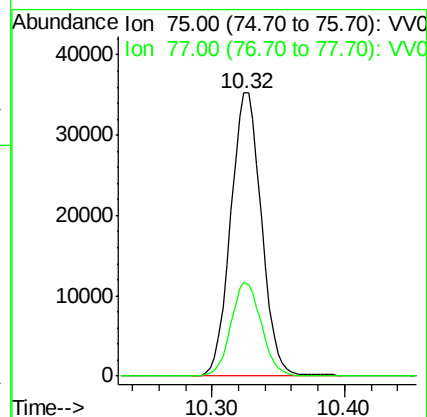
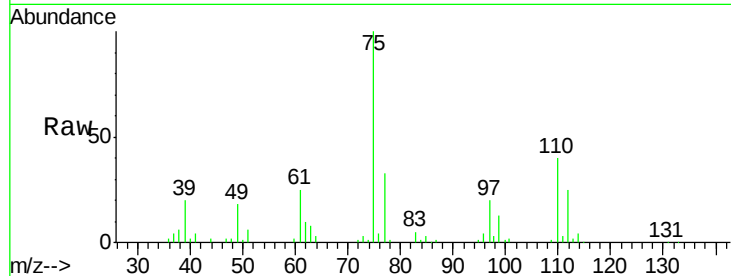
VICV85

Tgt Ion: 75 Resp: 56921

Ion Ratio Lower Upper

75 100

77 32.5 25.7 38.5



#61

Bromoform

Concen: 4.273 ug/L

RT: 9.78 min Scan# 2766

Delta R.T. -0.00 min

Lab File: VV006430.D

Acq: 25 Jun 2018 14:23

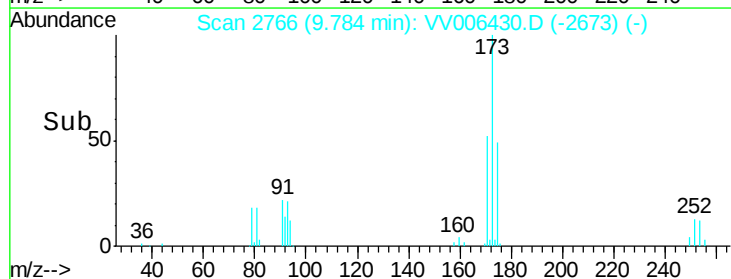
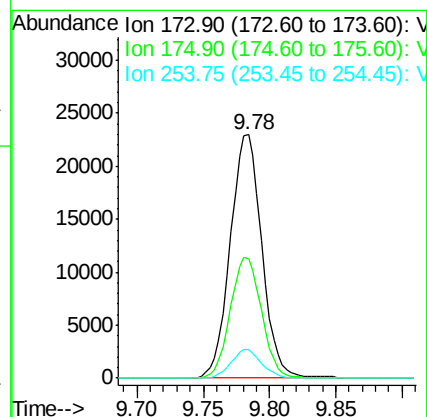
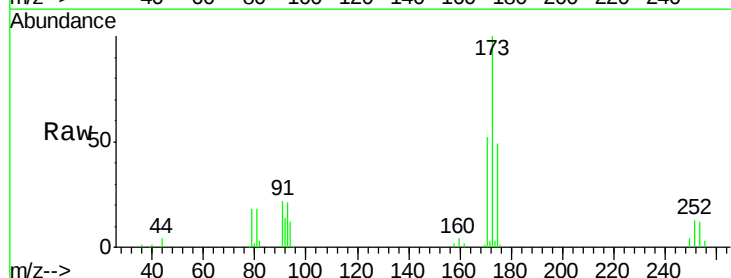
Tgt Ion: 173 Resp: 38049

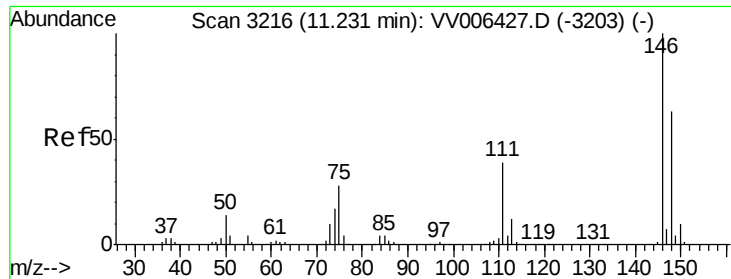
Ion Ratio Lower Upper

173 100

175 48.8 38.8 58.2

254 11.3 9.0 13.6





#62

1,3-Dichlorobenzene

Concen: 4.669 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. -0.00 min

Lab File: VV006430.D

Acq: 25 Jun 2018 14:23

Instrument :

MSVOA_V

ClientSampled :

VICV85

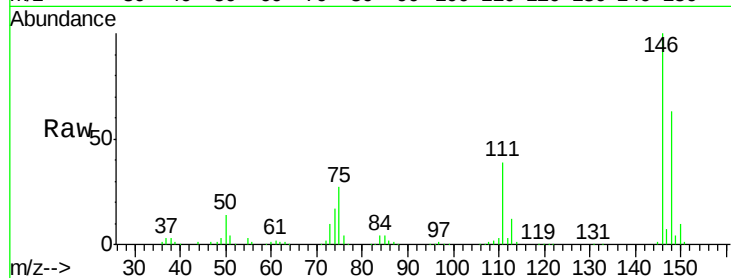
Tgt Ion:146 Resp: 243992

Ion Ratio Lower Upper

146 100

111 39.3 27.4 51.0

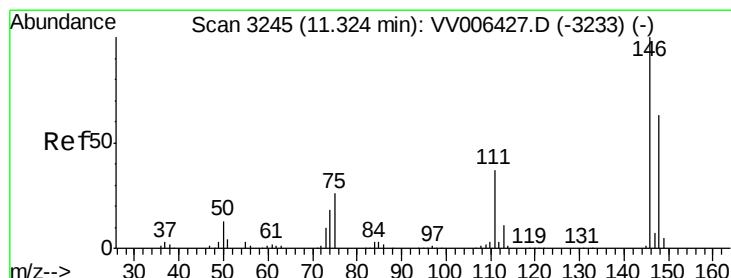
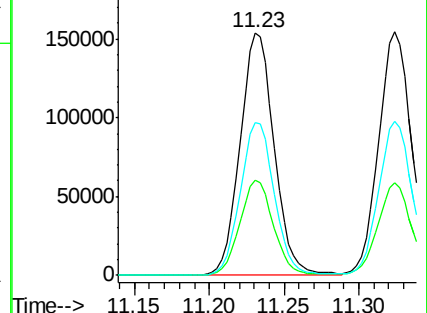
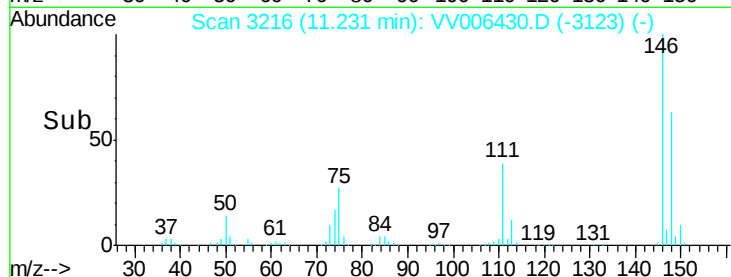
148 63.1 44.1 81.9



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.618 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. -0.00 min

Lab File: VV006430.D

Acq: 25 Jun 2018 14:23

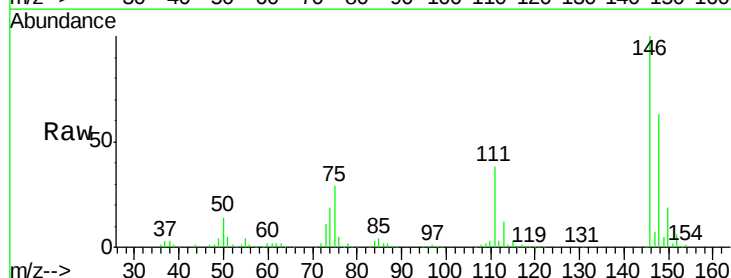
Tgt Ion:146 Resp: 241407

Ion Ratio Lower Upper

146 100

111 37.9 26.3 48.9

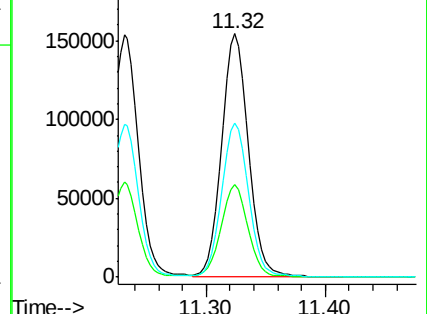
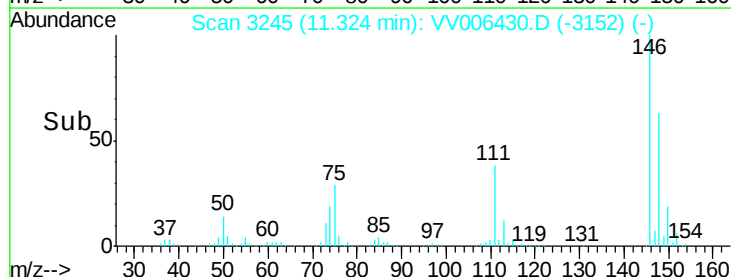
148 63.5 44.0 81.6

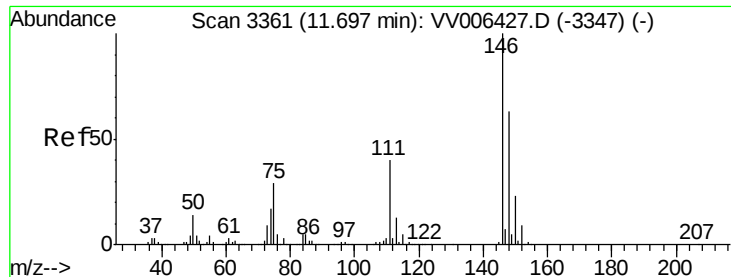


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

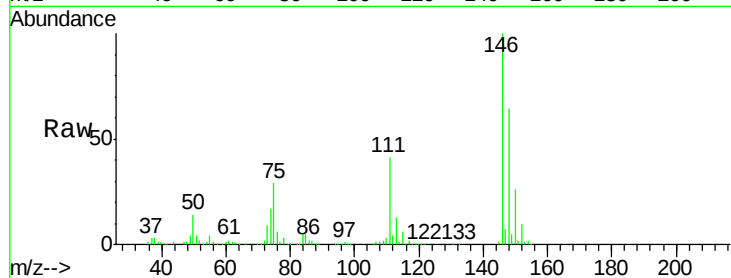




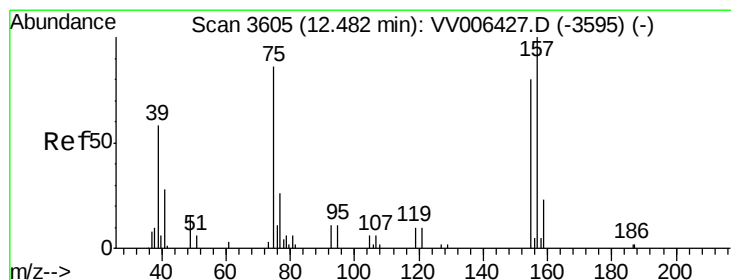
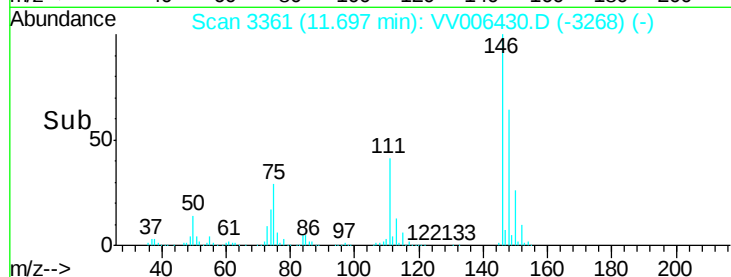
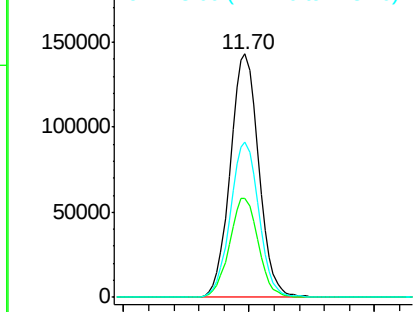
#65
 1,2-Dichlorobenzene
 Concen: 4.602 ug/L
 RT: 11.70 min Scan# 3361
 Delta R.T. -0.00 min
 Lab File: VV006430.D
 Acq: 25 Jun 2018 14:23

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV85

Tgt Ion: 146 Resp: 225082
 Ion Ratio Lower Upper
 146 100
 111 40.8 32.0 48.0
 148 63.6 50.8 76.2

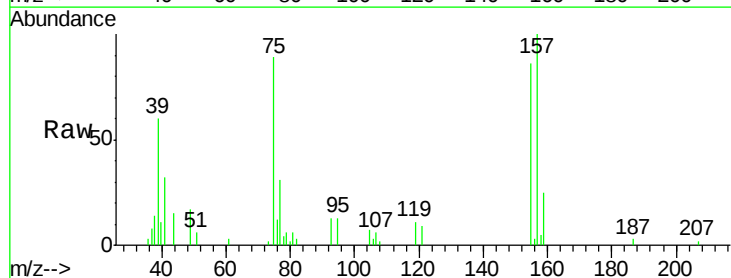


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

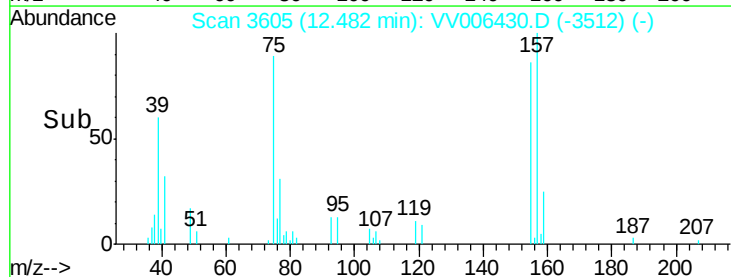
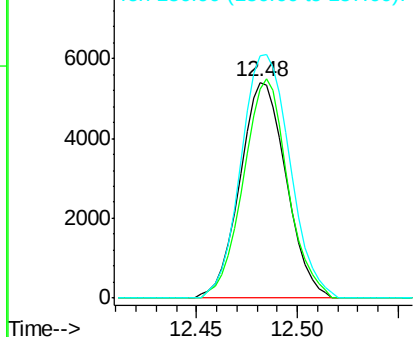


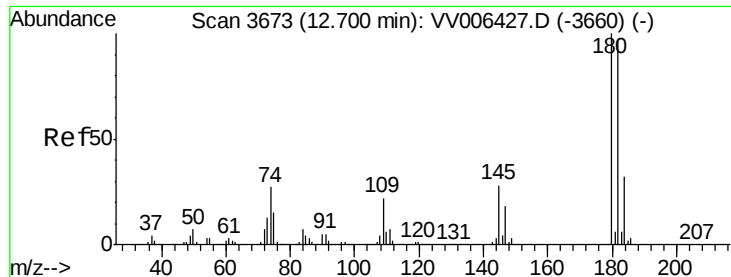
#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.177 ug/L
 RT: 12.48 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VV006430.D
 Acq: 25 Jun 2018 14:23

Tgt Ion: 75 Resp: 8682
 Ion Ratio Lower Upper
 75 100
 155 96.7 73.9 110.9
 157 112.1 92.9 139.3



Abundance Ion 75.05 (74.75 to 75.75): VV0
 Ion 154.95 (154.65 to 155.65): V
 Ion 156.90 (156.60 to 157.60): V

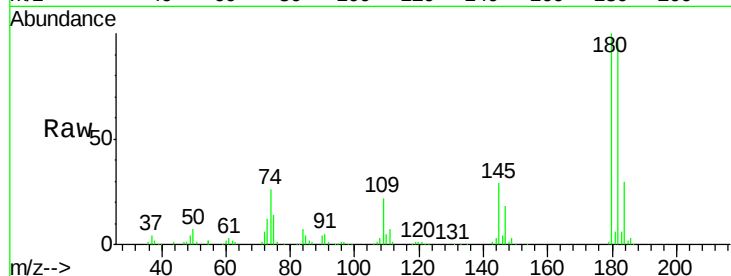




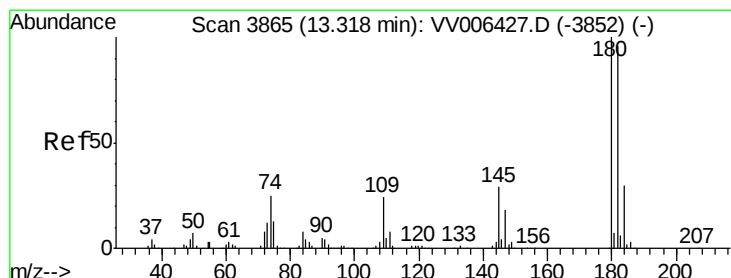
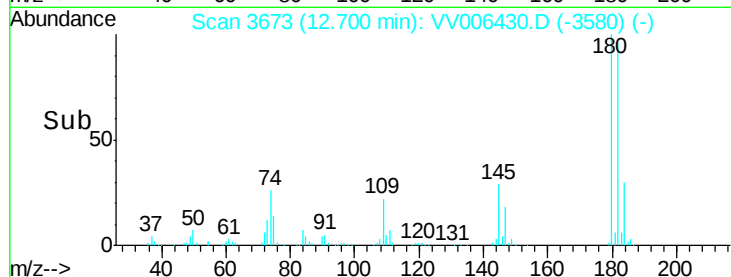
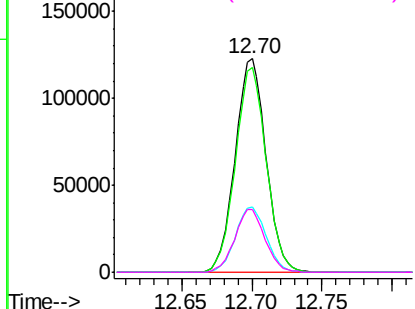
#67
 1,3,5-Trichlorobenzene
 Concen: 4.746 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. -0.00 min
 Lab File: VV006430.D
 Acq: 25 Jun 2018 14:23

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV85

Tgt Ion:	180	Resp:	188482
Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.6	115.0
184	30.6	24.5	36.7
145	29.0	22.6	34.0

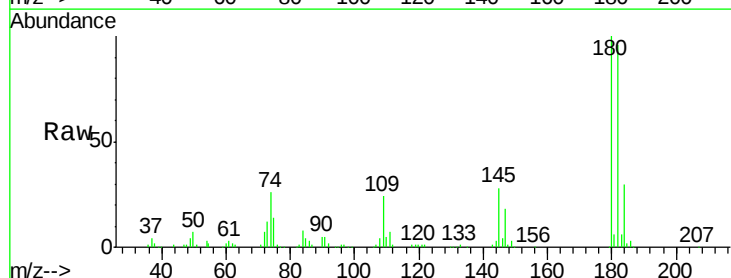


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

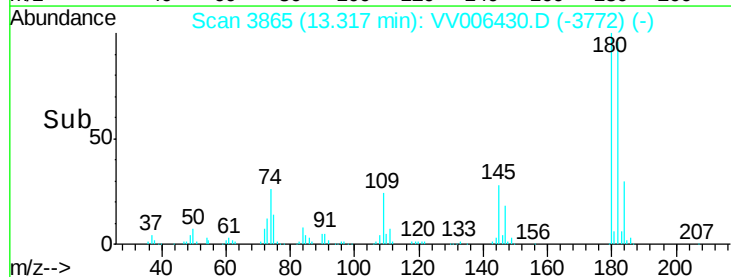
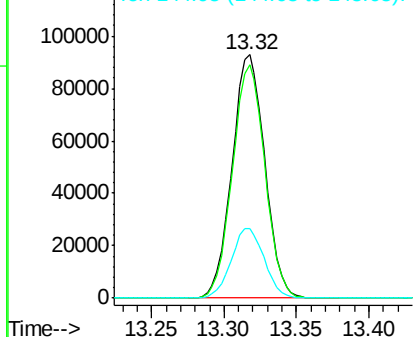


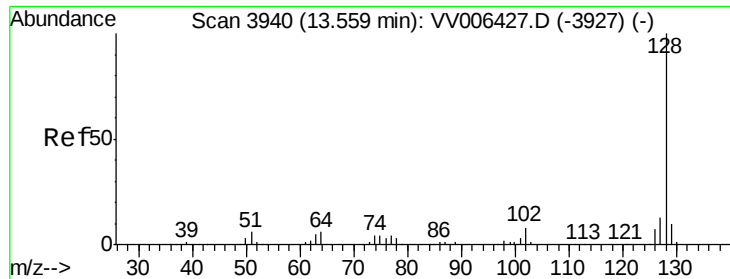
#68
 1,2,4-trichlorobenzene
 Concen: 4.996 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. -0.00 min
 Lab File: VV006430.D
 Acq: 25 Jun 2018 14:23

Tgt Ion:	180	Resp:	145471
Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.7	115.1
145	28.8	23.0	34.6



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.969 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. -0.00 min

Lab File: VV006430.D

Acq: 25 Jun 2018 14:23

Instrument :

MSVOA_V

ClientSampleId :

VICV85

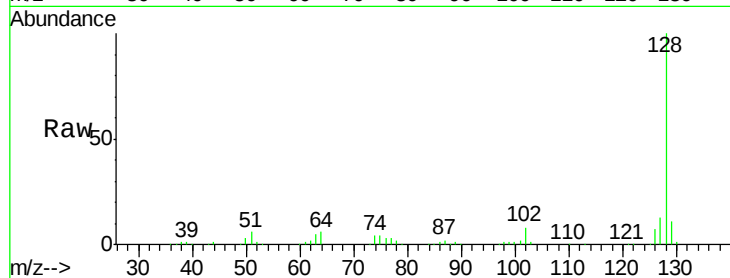
Tgt Ion:128 Resp: 211483

Ion Ratio Lower Upper

128 100

129 10.8 8.6 13.0

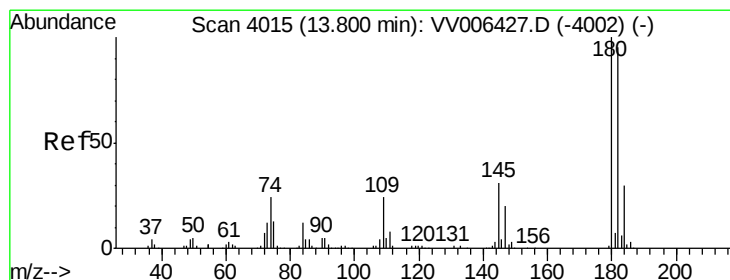
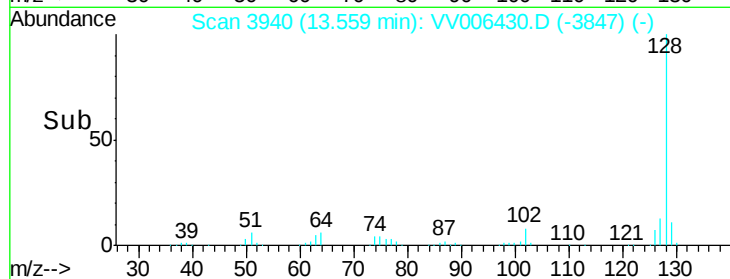
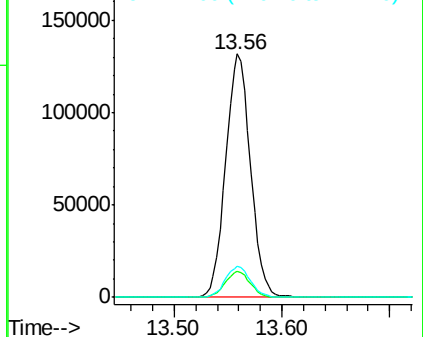
127 12.8 10.2 15.4



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: 4.879 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. -0.00 min

Lab File: VV006430.D

Acq: 25 Jun 2018 14:23

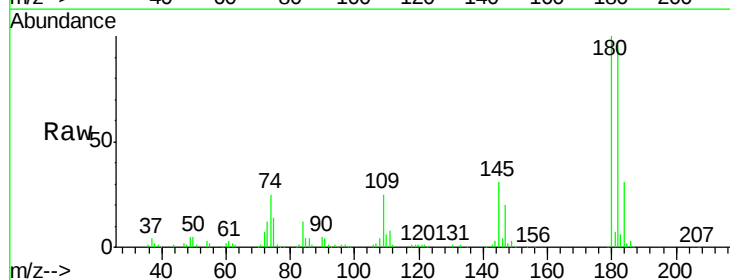
Tgt Ion:180 Resp: 132273

Ion Ratio Lower Upper

180 100

182 95.9 76.0 114.0

145 31.1 24.8 37.2



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

