

Data File : VV009685.D
Acq On : 15 Mar 2019 14:29
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05080

Quant Time: Mar 16 02:31:39 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031219WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 13 02:20:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	159160	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	155582	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	72579	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	42334	44.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.88%
7) Chloroethane-d5	1.58	69	42680	43.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.06%
11) 1,1-Dichloroethene-d2	2.13	63	114397	46.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.06%
21) 2-Butanone-d5	3.93	46	67247	96.60	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.60%
24) Chloroform-d	4.40	84	93762	45.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.14%
26) 1,2-Dichloroethane-d4	5.08	65	62616	45.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.98%
32) Benzene-d6	5.10	84	184198	45.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.06%
36) 1,2-Dichloropropane-d6	6.12	67	58174	48.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.18%
41) Toluene-d8	7.36	98	177622	45.07	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.14%
43) trans-1,3-Dichloropropene-	7.66	79	28109	44.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.98%
47) 2-Hexanone-d5	8.13	63	45881	86.72	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	86.72%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	87482	45.02	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.04%
64) 1,2-Dichlorobenzene-d4	11.67	152	70080	45.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.54%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	36546	36.310 ug/L	100
3) Chloromethane	1.25	50	37668	39.181 ug/L	98
5) Vinyl chloride	1.32	62	43762	42.691 ug/L	99
6) Bromomethane	1.53	94	34698	39.683 ug/L	99
8) Chloroethane	1.60	64	32306	40.467 ug/L	99
9) Trichlorofluoromethane	1.77	101	98547	45.345 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	58885	48.865 ug/L	100
12) 1,1-Dichloroethene	2.14	96	49617	48.130 ug/L	97
13) Acetone	2.19	43	61247	83.478 ug/L	95
14) Carbon disulfide	2.32	76	103158	40.111 ug/L	98
15) Methyl Acetate	2.46	43	42129	44.308 ug/L	99
16) Methylene chloride	2.54	84	44616	44.470 ug/L	99
17) trans-1,2-Dichloroethene	2.79	96	40471	43.047 ug/L	99
18) Methyl tert-butyl Ether	2.80	73	135956	44.996 ug/L	99
19) 1,1-Dichloroethane	3.23	63	81102	46.650 ug/L	100
20) cis-1,2-Dichloroethene	3.96	96	50019	45.738 ug/L	98
22) 2-Butanone	4.01	43	72581	91.150 ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	25135	45.546	ug/L	96
25) Chloroform	4.43	83	95739	49.126	ug/L	94
27) 1,2-Dichloroethane	5.18	62	70457	46.143	ug/L	99
29) Cyclohexane	4.72	56	69566	45.934	ug/L	98
30) 1,1,1-Trichloroethane	4.66	97	80939	49.213	ug/L	98
31) Carbon tetrachloride	4.88	117	66358	48.348	ug/L	98
33) Benzene	5.15	78	185553	47.520	ug/L	100
34) Trichloroethene	5.96	95	50648	48.598	ug/L	98
35) Methylcyclohexane	6.18	83	78848	46.768	ug/L	97
37) 1,2-Dichloropropane	6.22	63	48344	48.574	ug/L	100
38) Bromodichloromethane	6.55	83	69529	49.540	ug/L	96
39) cis-1,3-Dichloropropene	7.07	75	73098	46.080	ug/L	100
40) 4-Methyl-2-pentanone	7.27	43	129265	96.632	ug/L	96
42) Toluene	7.43	91	209947	47.174	ug/L	96
44) trans-1,3-Dichloropropene	7.69	75	72154	48.441	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	50046	48.752	ug/L	97
46) Tetrachloroethene	8.02	164	38931	47.514	ug/L	96
48) 2-Hexanone	8.18	43	97762	91.714	ug/L	98
49) Dibromochloromethane	8.29	129	54850	48.009	ug/L	98
50) 1,2-Dibromoethane	8.40	107	52479	48.263	ug/L	99
51) Chlorobenzene	8.93	112	139638	46.737	ug/L	99
52) Ethylbenzene	9.06	91	238718	47.347	ug/L	99
53) m,p-Xylene	9.18	106	92528	47.904	ug/L	96
54) o-Xylene	9.59	106	89581	45.947	ug/L	98
55) Styrene	9.60	104	149807	47.424	ug/L	98
56) Isopropylbenzene	9.98	105	239250	47.130	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	84624	46.629	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	64428	47.744	ug/L	98
61) Bromoform	9.78	173	36927	45.124	ug/L	98
62) 1,3-Dichlorobenzene	11.23	146	103790	47.037	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	102721	47.229	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	106687	47.191	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	15465	45.258	ug/L	92
67) 1,3,5-Trichlorobenzene	12.69	180	71417	49.934	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	53229	53.770	ug/L	99
69) Naphthalene	13.55	128	140071	50.253	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	55522	53.241	ug/L	97

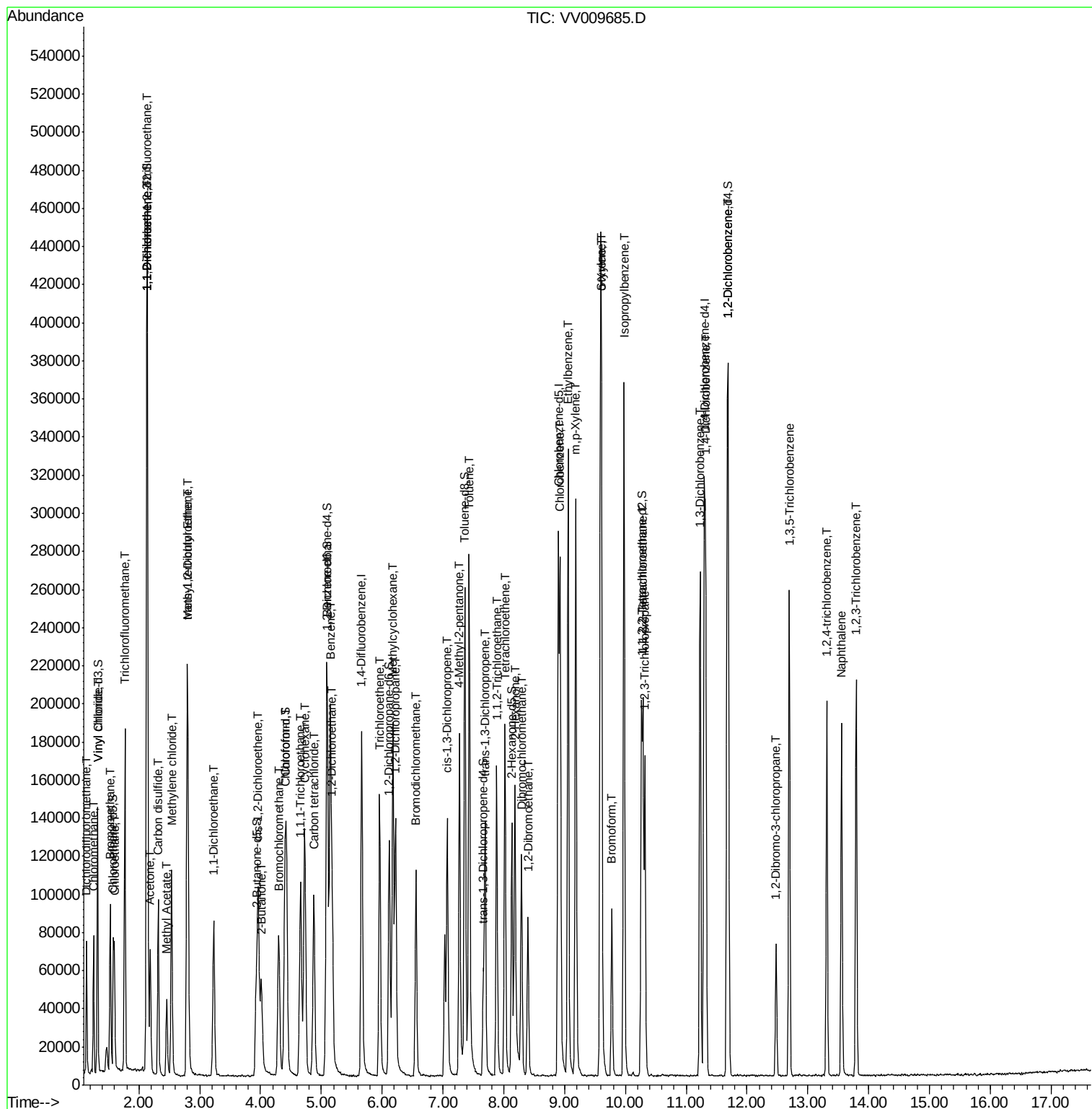
(#) = qualifier out of range (m) = manual integration (+) = signals summed

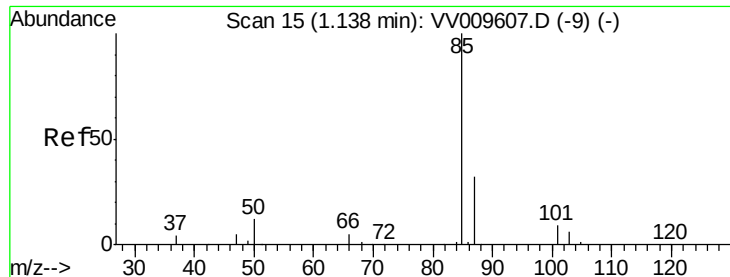
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#2

Dichlorodifluoromethane

Concen: 36.310 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV009685.D

Acq: 15 Mar 2019 14:29

Instrument :

MSVOA_V

ClientSampleId :

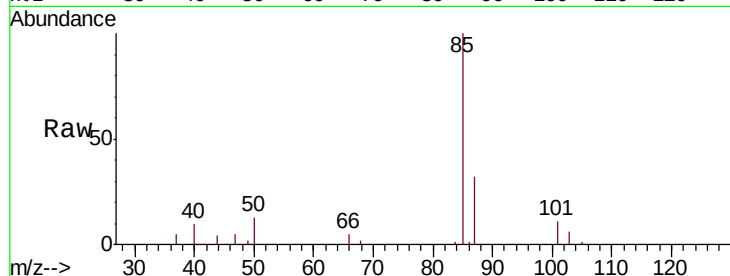
VSTD05080

Tgt Ion: 85 Resp: 36546

Ion Ratio Lower Upper

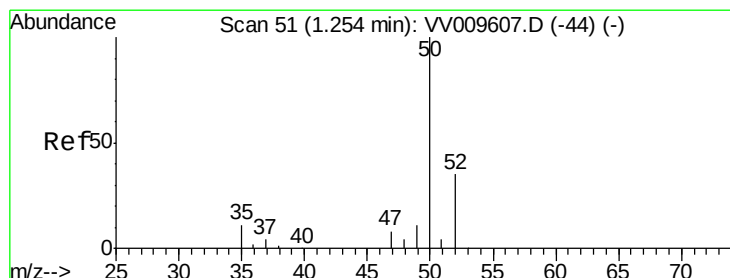
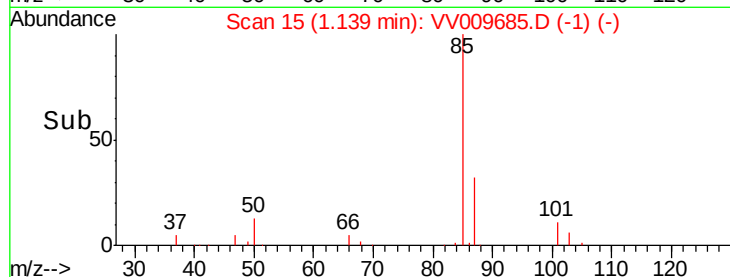
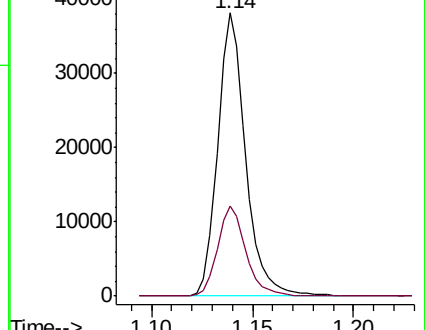
85 100

87 32.2 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV009607.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VV009607.D (-9) (-)



#3

Chloromethane

Concen: 39.181 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV009685.D

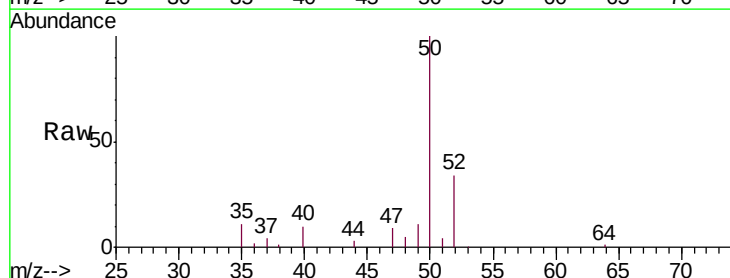
Acq: 15 Mar 2019 14:29

Tgt Ion: 50 Resp: 37668

Ion Ratio Lower Upper

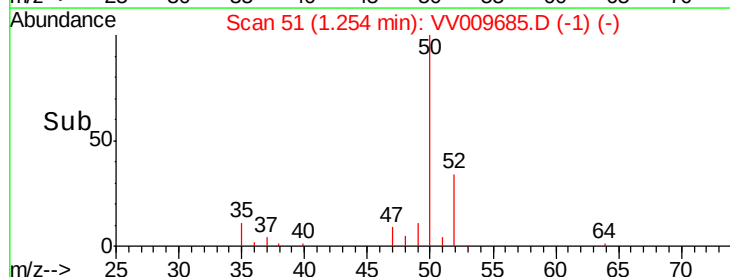
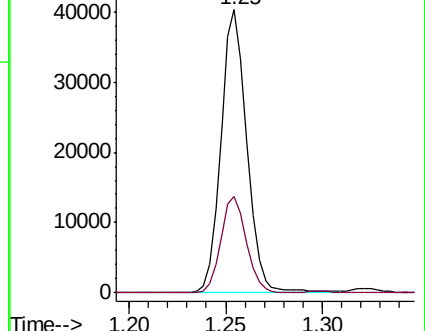
50 100

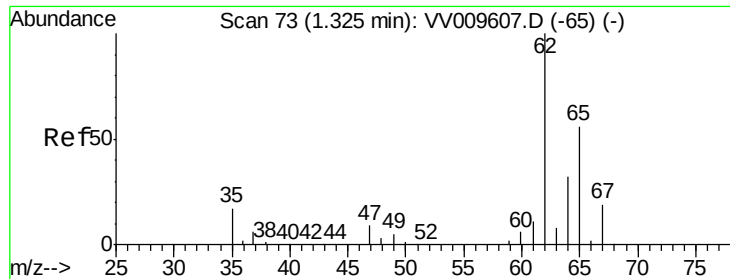
52 34.1 24.7 45.9



Abundance Ion 50.00 (49.70 to 50.70): VV009607.D (-44) (-)

Ion 52.00 (51.70 to 52.70): VV009607.D (-44) (-)





#5

Vinyl chloride

Concen: 42.691 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV009685.D

Acq: 15 Mar 2019 14:29

Instrument :

MSVOA_V

ClientSampleId :

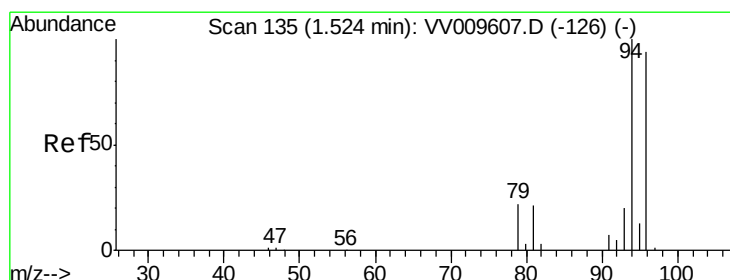
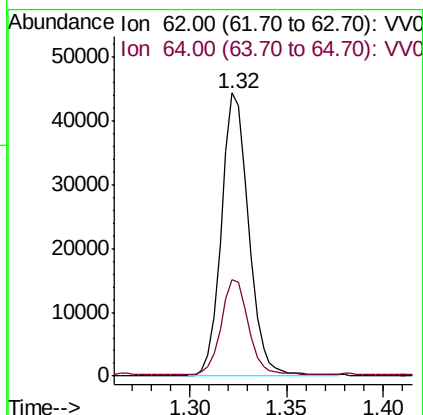
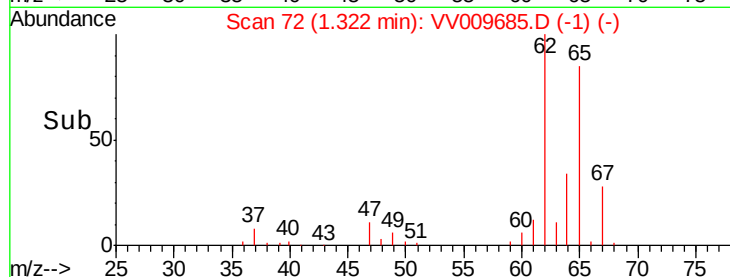
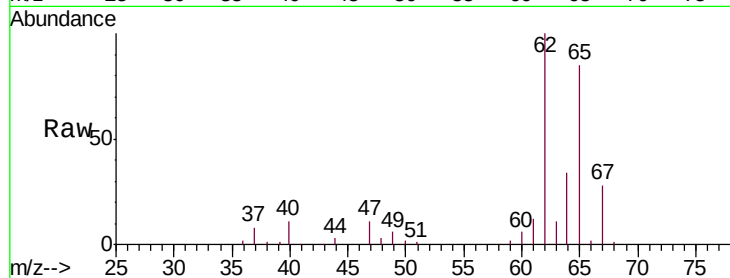
VSTD05080

Tgt Ion: 62 Resp: 43762

Ion Ratio Lower Upper

62 100

64 34.3 23.7 44.1



#6

Bromomethane

Concen: 39.683 ug/L

RT: 1.53 min Scan# 136

Delta R.T. 0.00 min

Lab File: VV009685.D

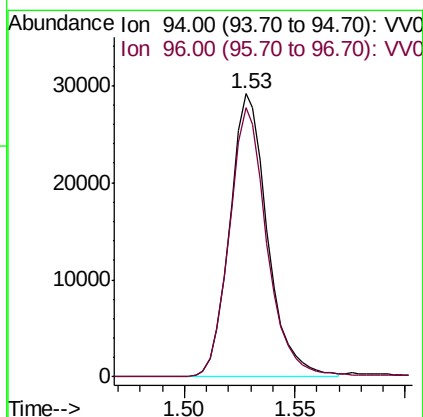
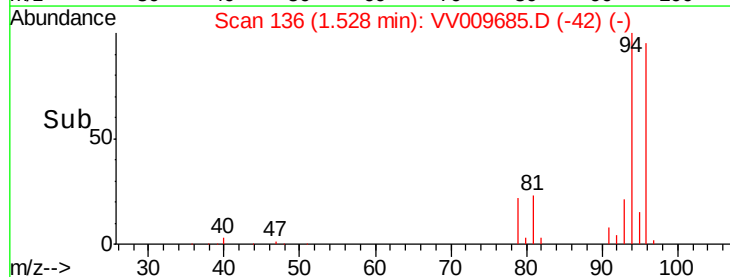
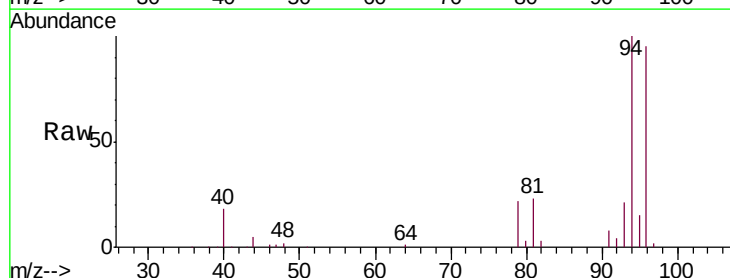
Acq: 15 Mar 2019 14:29

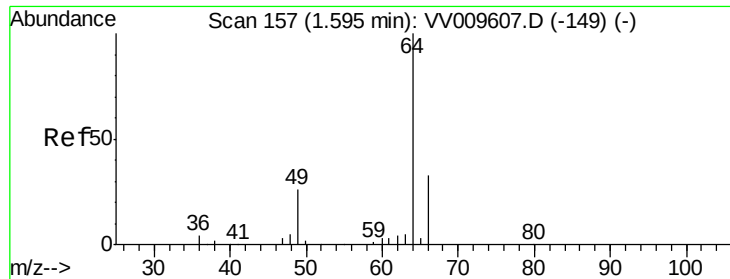
Tgt Ion: 94 Resp: 34698

Ion Ratio Lower Upper

94 100

96 95.0 65.5 121.7





#8

Chloroethane

Concen: 40.467 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV009685.D

Acq: 15 Mar 2019 14:29

Instrument :

MSVOA_V

ClientSampleId :

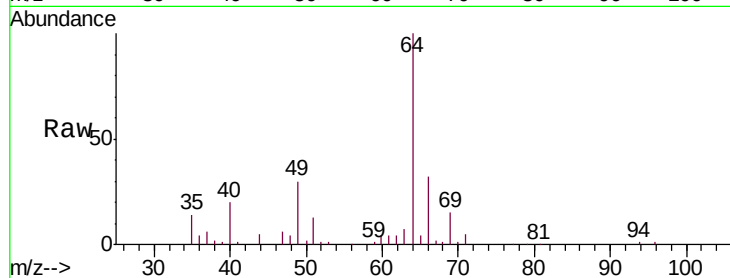
VSTD05080

Tgt Ion: 64 Resp: 32306

Ion Ratio Lower Upper

64 100

66 32.2 22.2 41.2



Abundance Ion 64.00 (63.70 to 64.70): VV009607.D (-149) (-)

Ion 66.00 (65.70 to 66.70): VV009607.D (-149) (-)

1.60

25000

20000

15000

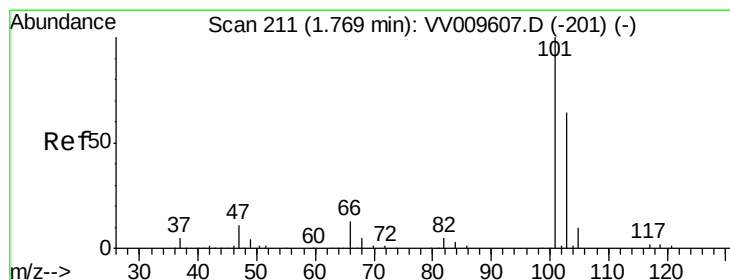
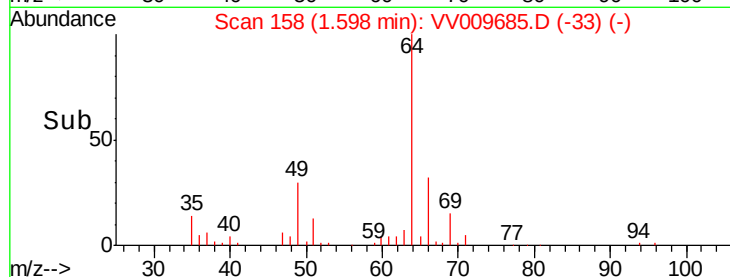
10000

5000

0

1.55 1.60 1.65

Time-->



#9

Trichlorofluoromethane

Concen: 45.345 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.00 min

Lab File: VV009685.D

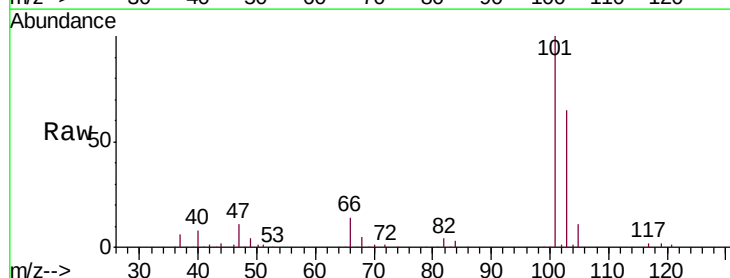
Acq: 15 Mar 2019 14:29

Tgt Ion: 101 Resp: 98547

Ion Ratio Lower Upper

101 100

103 64.6 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): VV009607.D (-201) (-)

Ion 103.00 (102.70 to 103.70): VV009607.D (-201) (-)

1.77

80000

60000

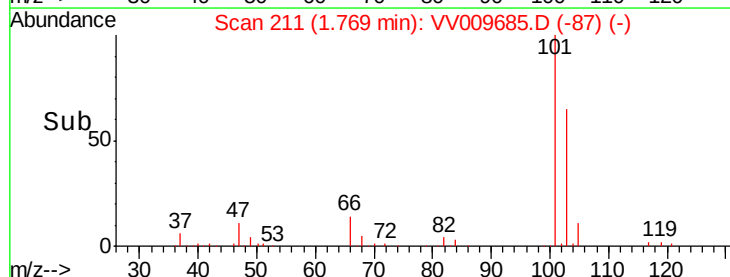
40000

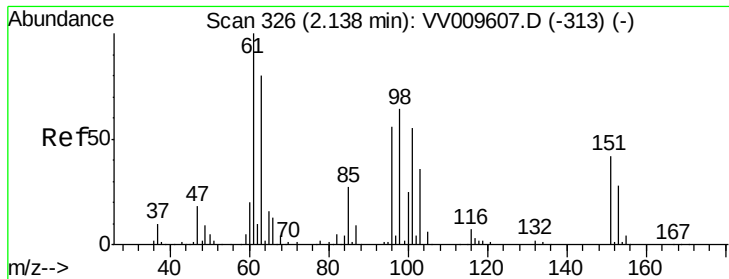
20000

0

1.70 1.75 1.80 1.85

Time-->





#10

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

Concen: 48.865 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV009685.D

Acq: 15 Mar 2019 14:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD05080

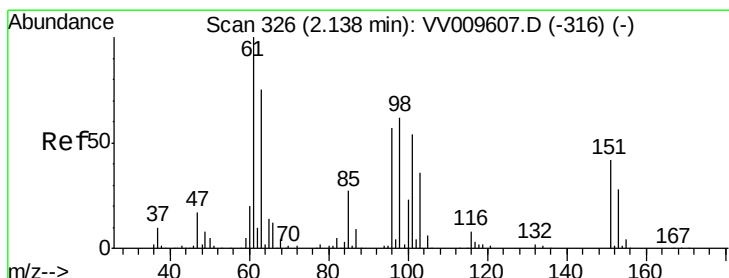
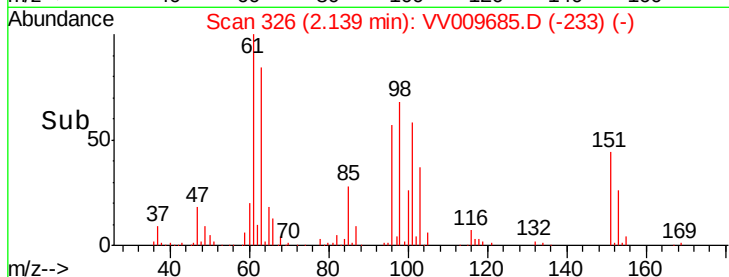
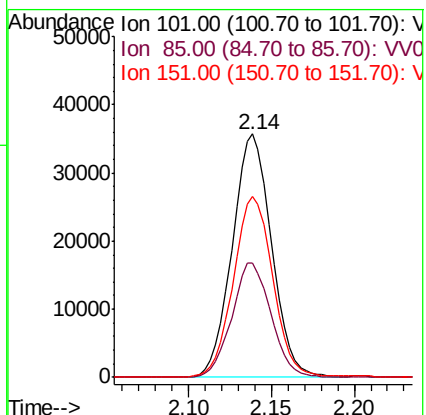
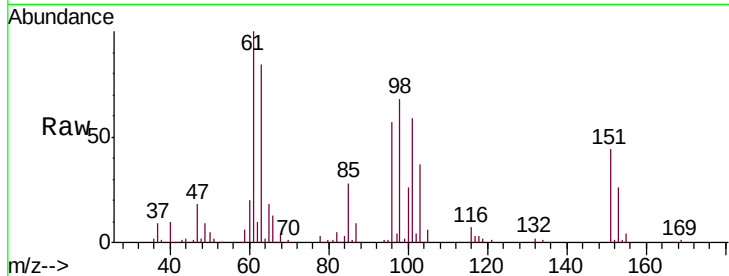
Tgt Ion: 101 Resp: 58885

Ion Ratio Lower Upper

101 100

85 47.1 37.8 56.6

151 74.7 59.6 89.4



#12

1,1-Dichloroethene

Concen: 48.130 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV009685.D

Acq: 15 Mar 2019 14:29

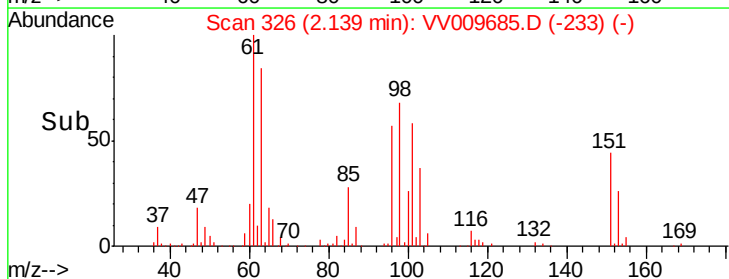
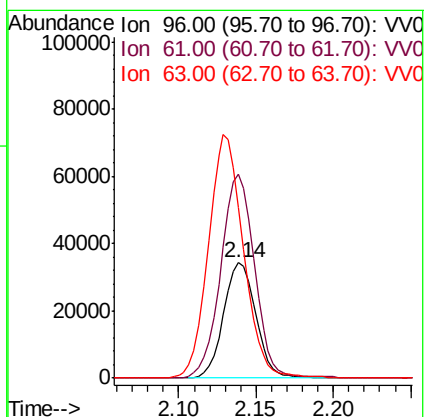
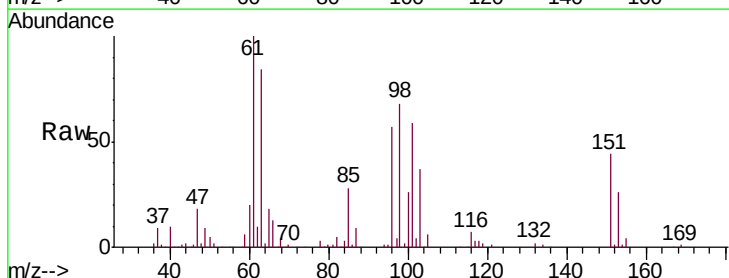
Tgt Ion: 96 Resp: 49617

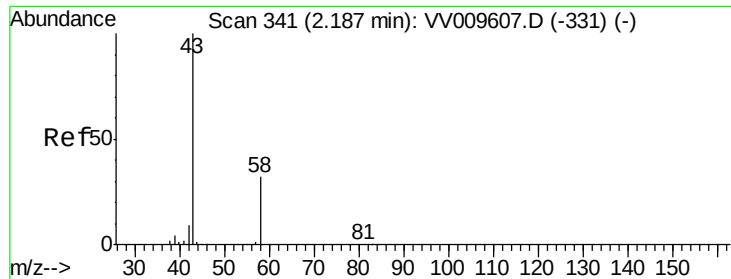
Ion Ratio Lower Upper

96 100

61 176.8 122.1 226.7

63 148.1 107.6 199.8





#13

Acetone

Concen: 83.478 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV009685.D

Acq: 15 Mar 2019 14:29

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MSVOA_V

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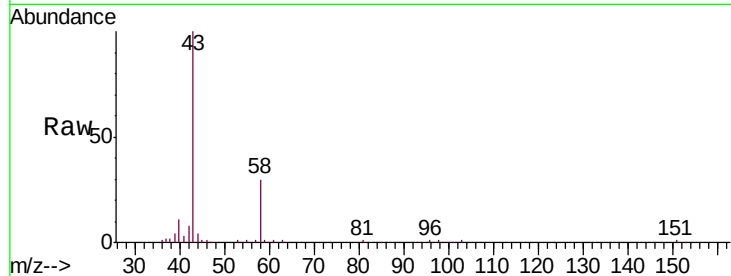
VSTD05080

Tgt Ion: 43 Resp: 61247

Ion Ratio Lower Upper

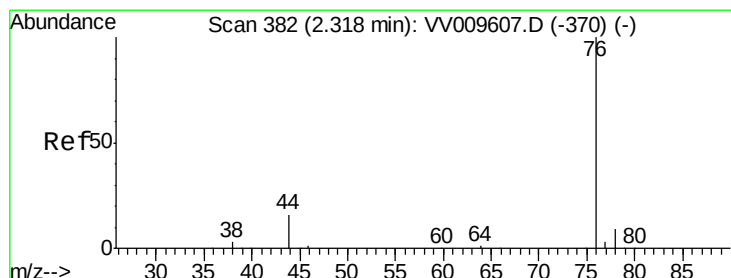
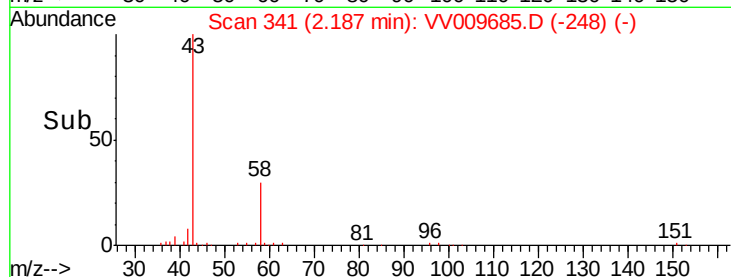
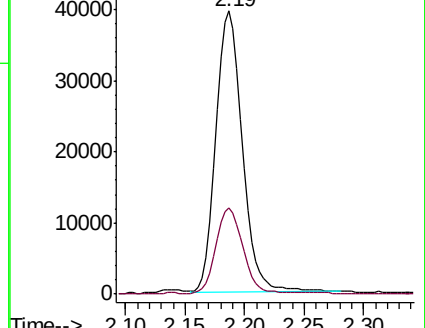
43 100

58 31.3 0.0 69.0



Abundance Ion 43.00 (42.70 to 43.70): VV009607.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV009607.D (-331) (-)



#14

Carbon disulfide

Concen: 40.111 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV009685.D

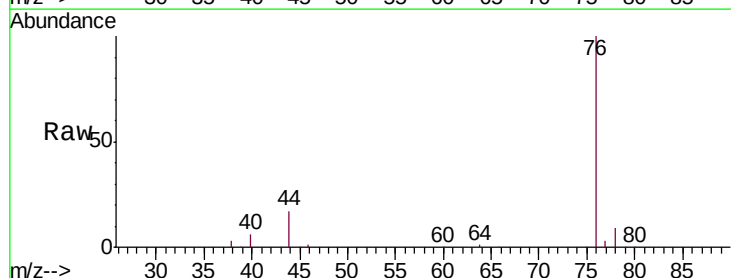
Acq: 15 Mar 2019 14:29

Tgt Ion: 76 Resp: 103158

Ion Ratio Lower Upper

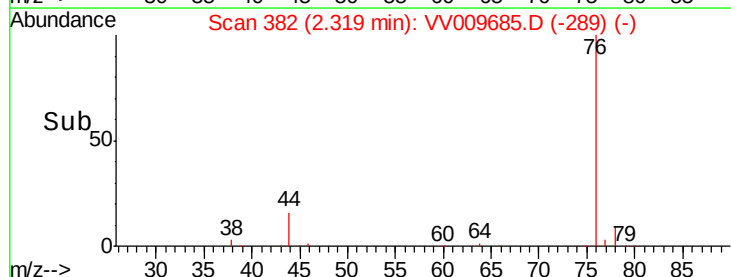
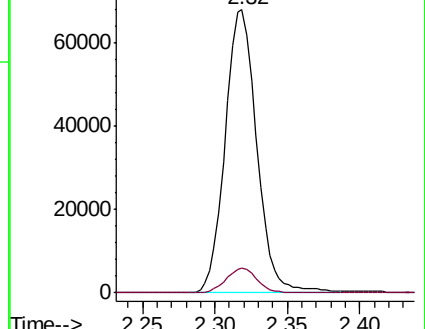
76 100

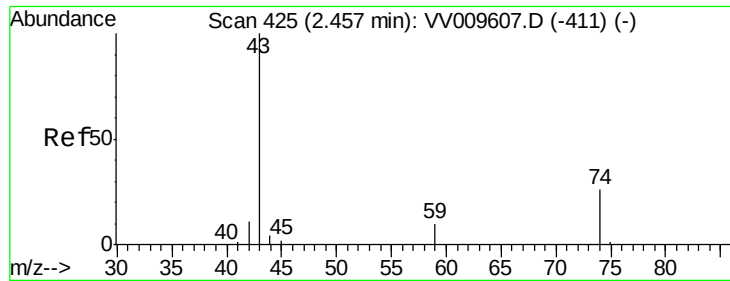
78 8.8 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VV009607.D (-370) (-)

Ion 78.00 (77.70 to 78.70): VV009607.D (-370) (-)

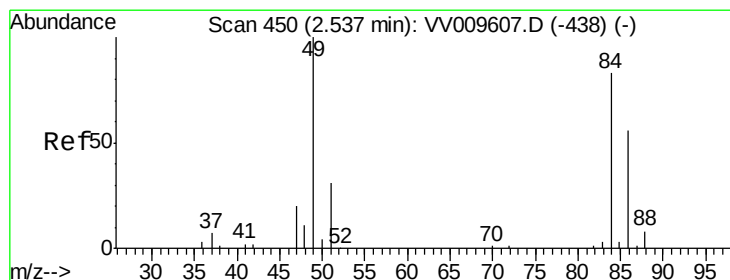
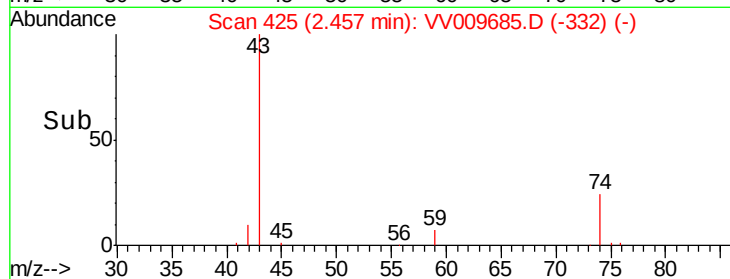
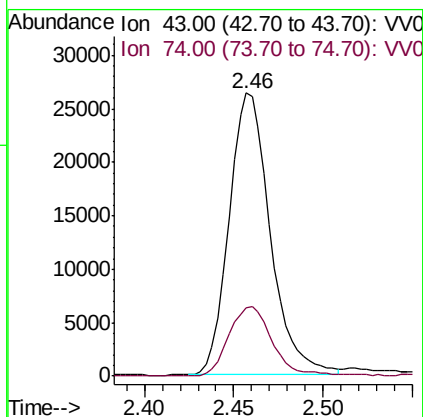
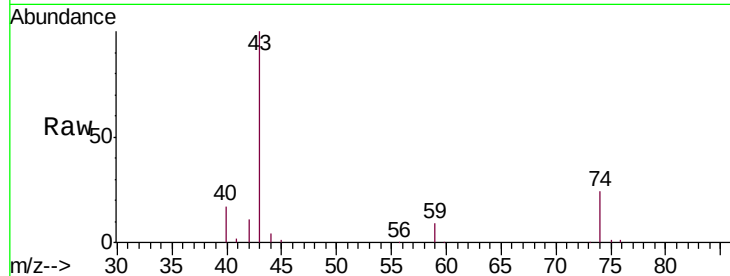




#15
Methyl Acetate
Concen: 44.308 ug/L
RT: 2.46 min Scan# 425
Delta R.T. 0.00 min
Lab File: VV009685.D
Acq: 15 Mar 2019 14:29

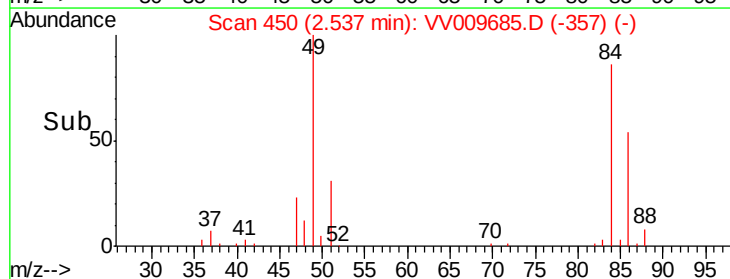
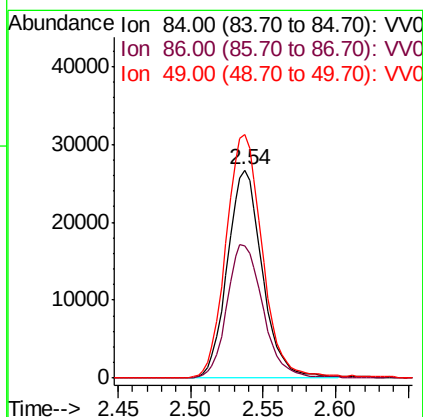
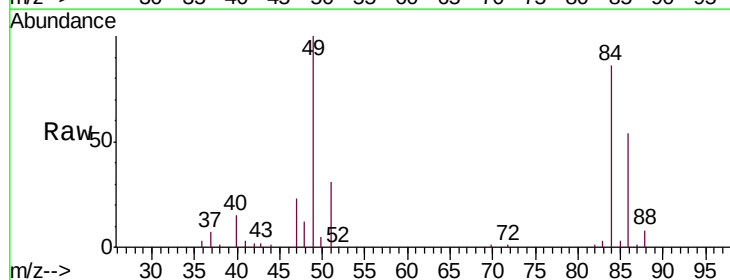
Instrument :
MSVOA_V
ClientSampleId :
VSTD05080

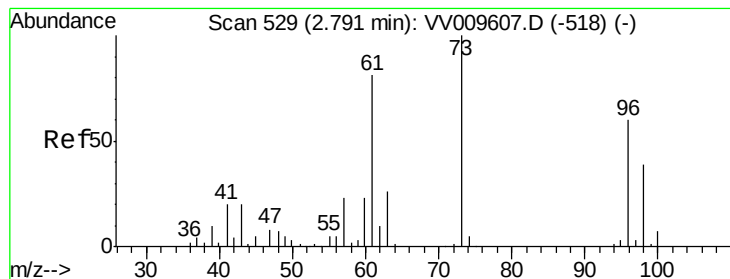
Tgt Ion: 43 Resp: 42129
Ion Ratio Lower Upper
43 100
74 25.3 20.0 30.0



#16
Methylene chloride
Concen: 44.470 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV009685.D
Acq: 15 Mar 2019 14:29

Tgt Ion: 84 Resp: 44616
Ion Ratio Lower Upper
84 100
86 63.7 44.0 81.6
49 116.9 82.0 152.4





#17

trans-1,2-Dichloroethene

Concen: 43.047 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV009685.D

Acq: 15 Mar 2019 14:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD05080

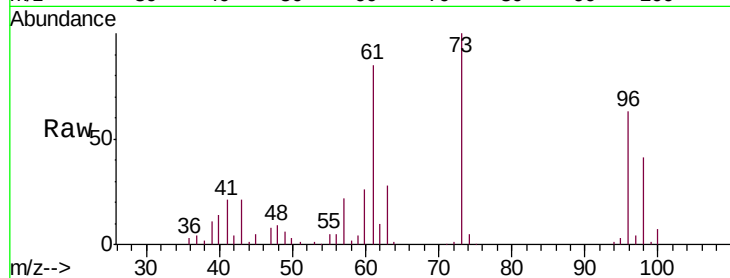
Tgt Ion: 96 Resp: 40471

Ion Ratio Lower Upper

96 100

61 136.1 94.0 174.6

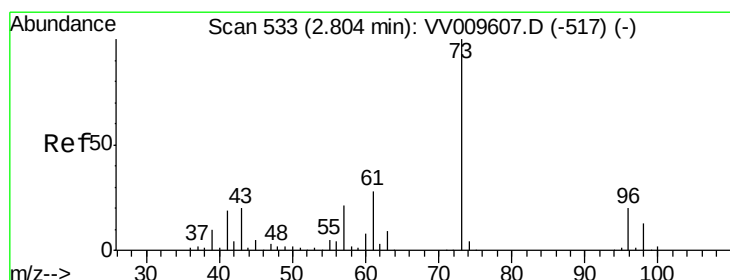
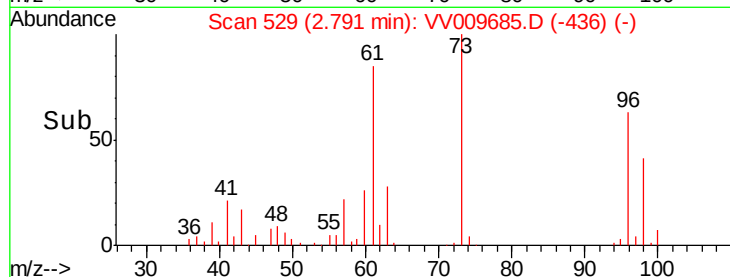
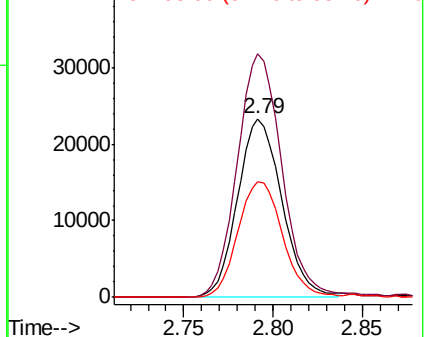
98 64.8 45.8 85.2



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 44.996 ug/L

RT: 2.80 min Scan# 533

Delta R.T. 0.00 min

Lab File: VV009685.D

Acq: 15 Mar 2019 14:29

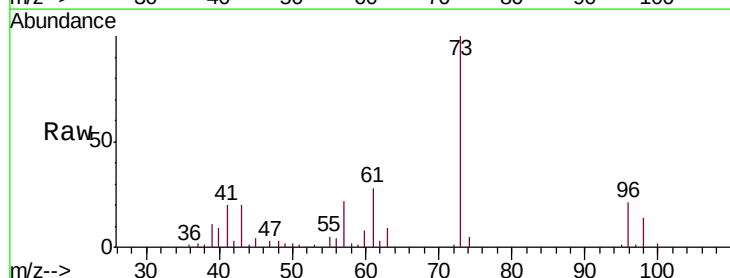
Tgt Ion: 73 Resp: 135956

Ion Ratio Lower Upper

73 100

43 20.5 16.3 24.5

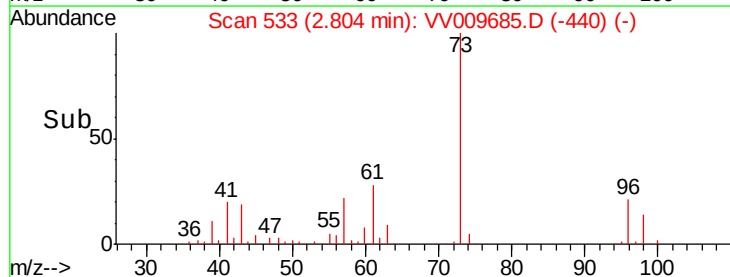
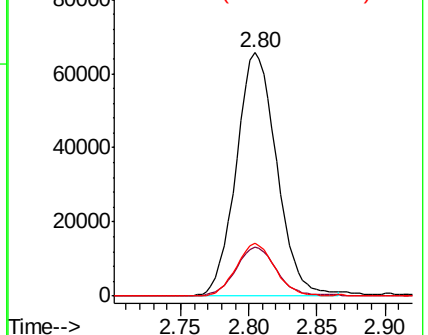
57 20.7 17.0 25.4

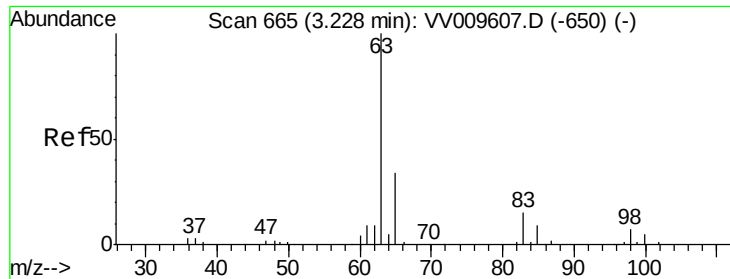


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

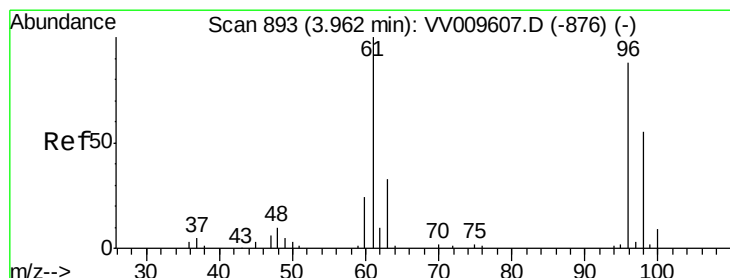
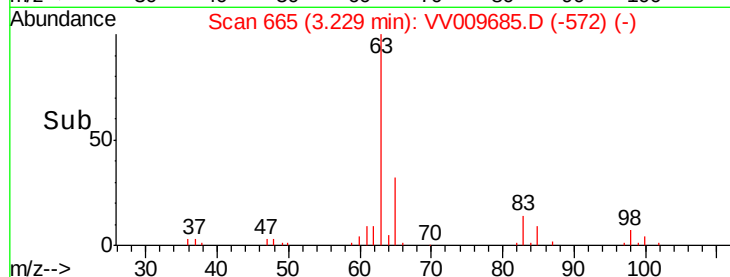
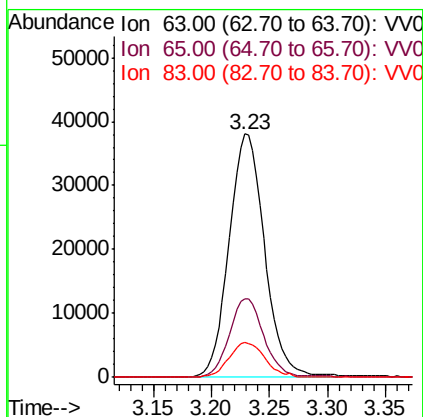
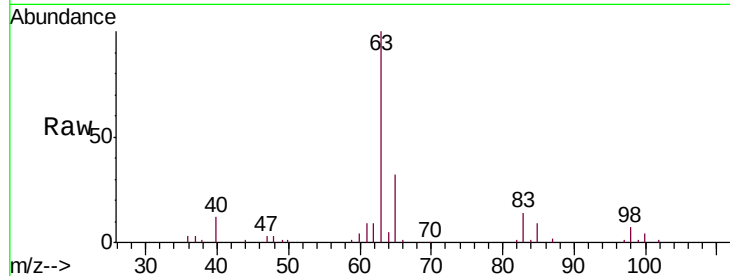




#19
 1,1-Dichloroethane
 Concen: 46.650 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV009685.D
 Acq: 15 Mar 2019 14:29

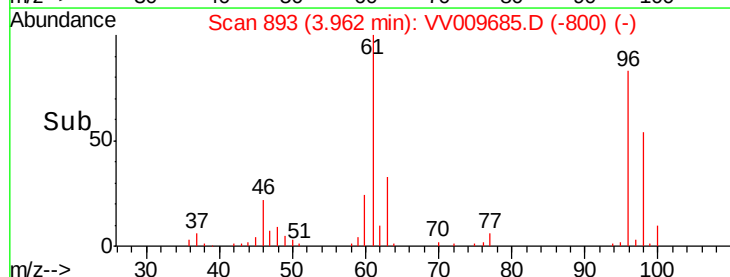
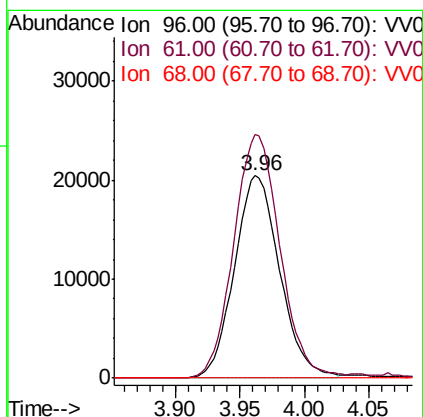
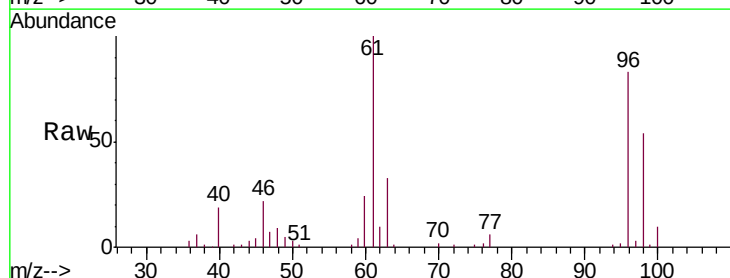
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05080

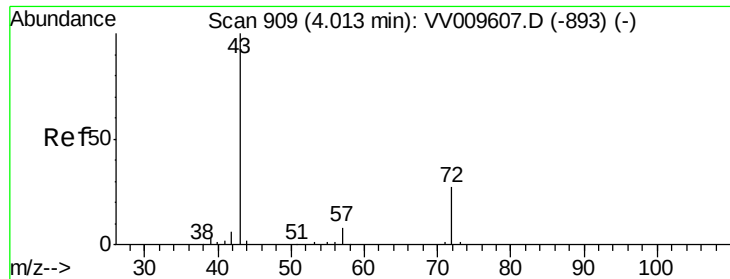
Tgt Ion: 63 Resp: 81102
 Ion Ratio Lower Upper
 63 100
 65 32.3 22.5 41.7
 83 14.4 10.3 19.1



#20
 cis-1,2-Dichloroethene
 Concen: 45.738 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV009685.D
 Acq: 15 Mar 2019 14:29

Tgt Ion: 96 Resp: 50019
 Ion Ratio Lower Upper
 96 100
 61 120.2 82.4 153.0
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 91.150 ug/L

RT: 4.01 min Scan# 908

Delta R.T. -0.00 min

Lab File: VV009685.D

Acq: 15 Mar 2019 14:29

Instrument :

MSVOA_V

ClientSampleId :

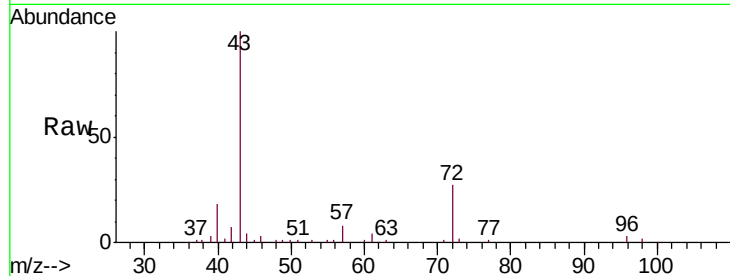
VSTD05080

Tgt Ion: 43 Resp: 72581

Ion Ratio Lower Upper

43 100

72 27.2 14.8 44.3



Abundance Ion 43.00 (42.70 to 43.70): VV009607.D (-893) (-)

Ion 72.00 (71.70 to 72.70): VV009607.D (-893) (-)

4.01

30000

25000

20000

15000

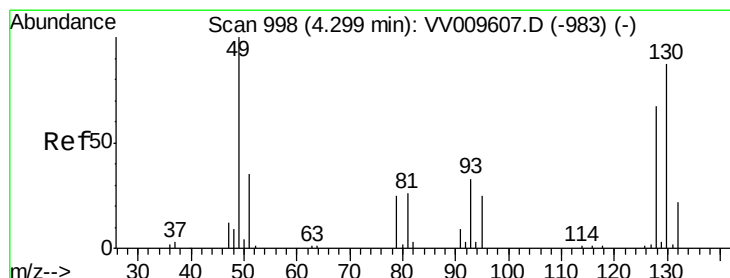
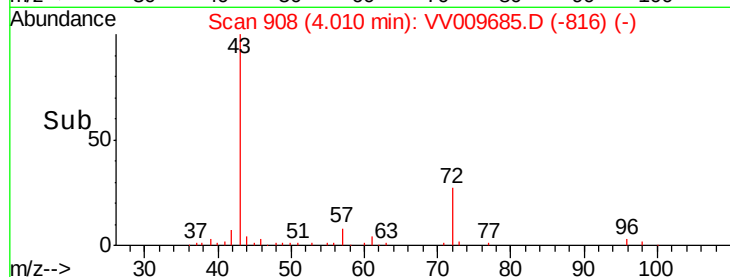
10000

5000

0

Time-->

3.90 4.00 4.10



#23

Bromochloromethane

Concen: 45.546 ug/L

RT: 4.30 min Scan# 998

Delta R.T. 0.00 min

Lab File: VV009685.D

Acq: 15 Mar 2019 14:29

Tgt Ion: 128 Resp: 25135

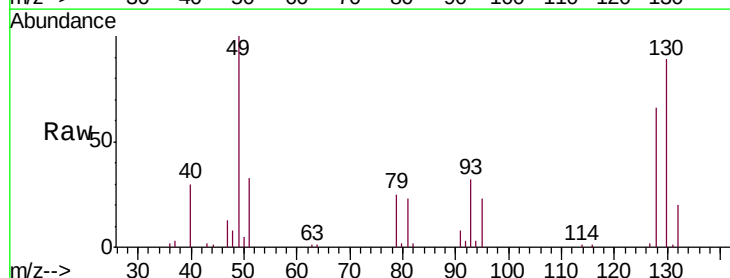
Ion Ratio Lower Upper

128 100

49 152.7 106.0 196.9

130 136.0 89.2 165.8

51 50.8 37.0 55.6



Abundance Ion 128.00 (127.70 to 128.70): VV009607.D (-983) (-)

Ion 49.00 (48.70 to 49.70): VV009607.D (-983) (-)

Ion 130.00 (129.70 to 130.70): VV009607.D (-983) (-)

Ion 51.00 (50.70 to 51.70): VV009607.D (-983) (-)

25000

20000

15000

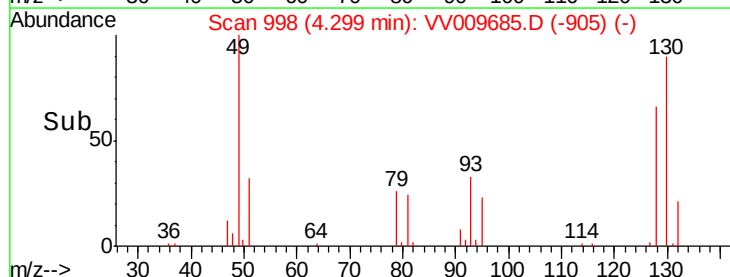
10000

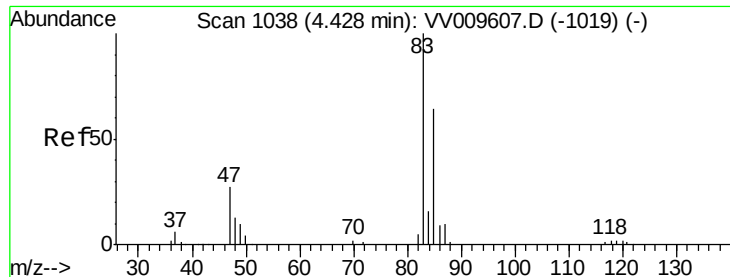
5000

0

Time-->

4.20 4.25 4.30 4.35 4.40

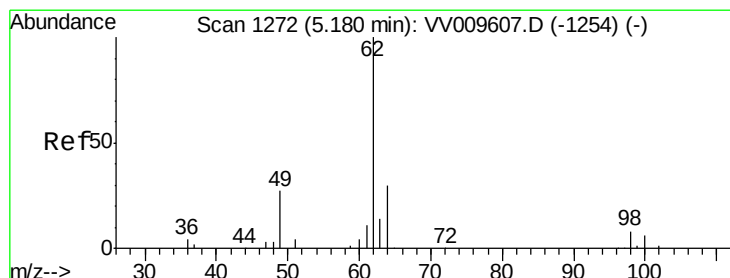
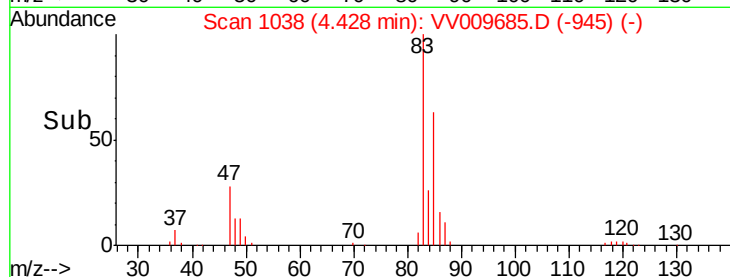
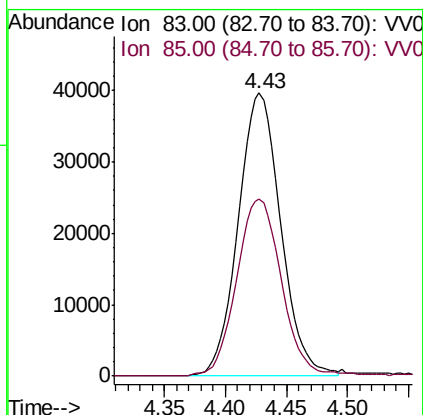
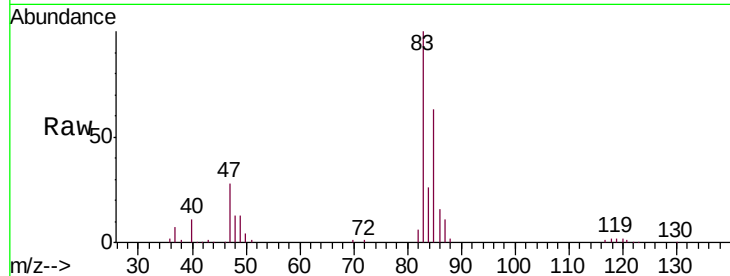




#25
Chloroform
Concen: 49.126 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV009685.D
Acq: 15 Mar 2019 14:29

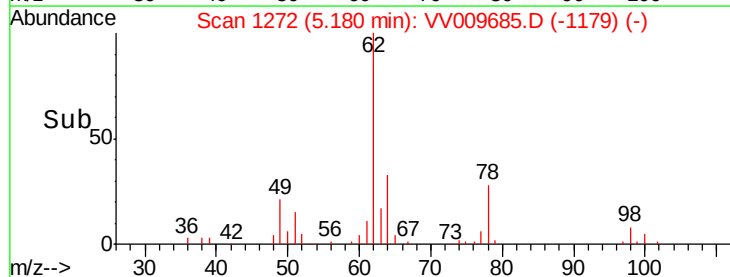
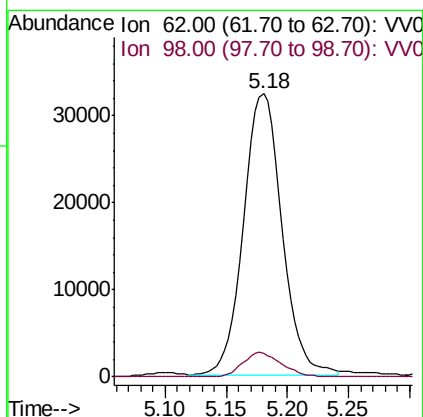
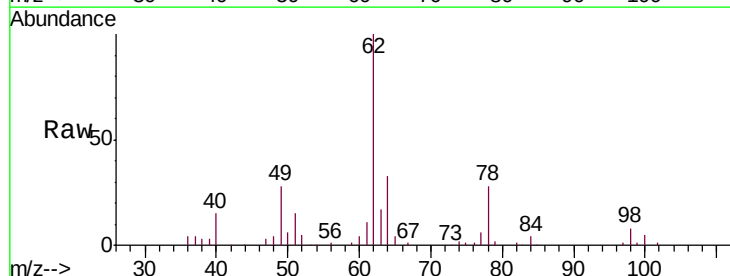
Instrument :
MSVOA_V
ClientSampleId :
VSTD05080

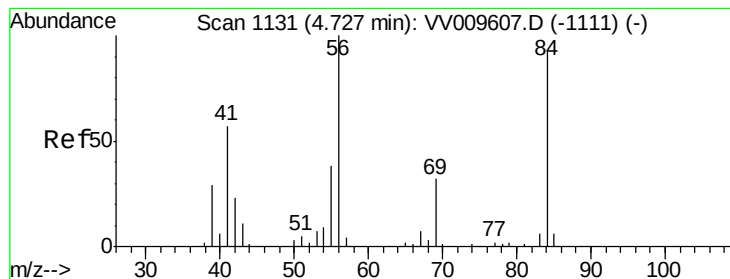
Tgt Ion: 83 Resp: 95739
Ion Ratio Lower Upper
83 100
85 62.7 47.0 87.4



#27
1,2-Dichloroethane
Concen: 46.143 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV009685.D
Acq: 15 Mar 2019 14:29

Tgt Ion: 62 Resp: 70457
Ion Ratio Lower Upper
62 100
98 8.1 6.2 9.4





#29

Cyclohexane

Concen: 45.934 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VV009685.D

Acq: 15 Mar 2019 14:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD05080

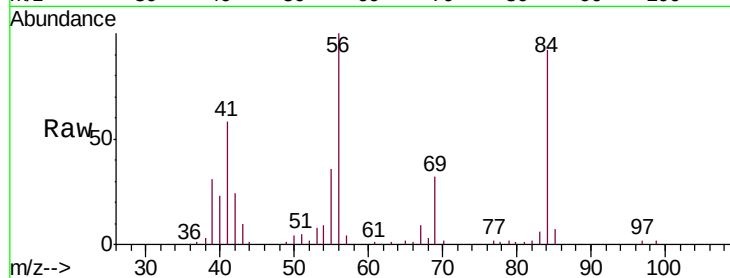
Tgt Ion: 56 Resp: 69566

Ion Ratio Lower Upper

56 100

69 31.2 25.1 37.7

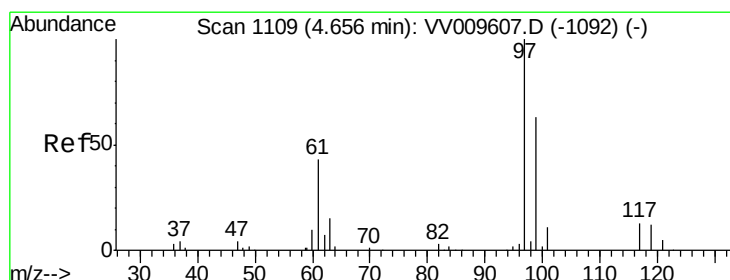
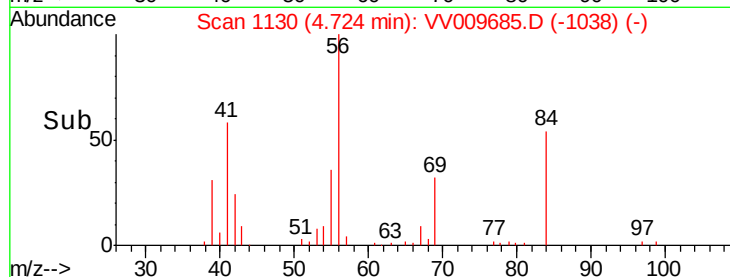
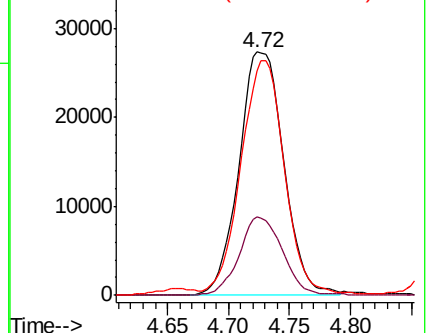
84 94.0 73.4 110.0



Abundance Ion 56.00 (55.70 to 56.70): VV009607.D (-1111) (-)

Ion 69.00 (68.70 to 69.70): VV009607.D (-1111) (-)

Ion 84.00 (83.70 to 84.70): VV009607.D (-1111) (-)



#30

1,1,1-Trichloroethane

Concen: 49.213 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VV009685.D

Acq: 15 Mar 2019 14:29

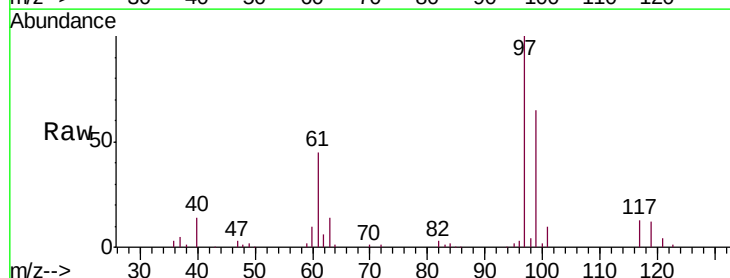
Tgt Ion: 97 Resp: 80939

Ion Ratio Lower Upper

97 100

99 63.3 51.0 76.6

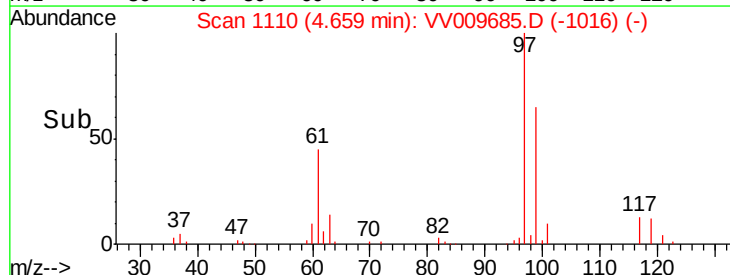
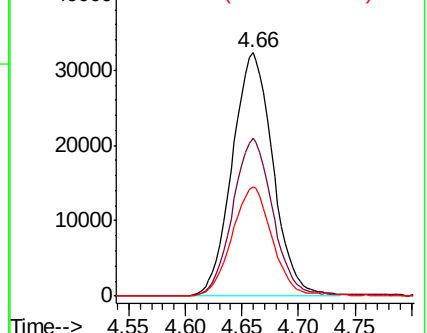
61 44.5 33.9 50.9

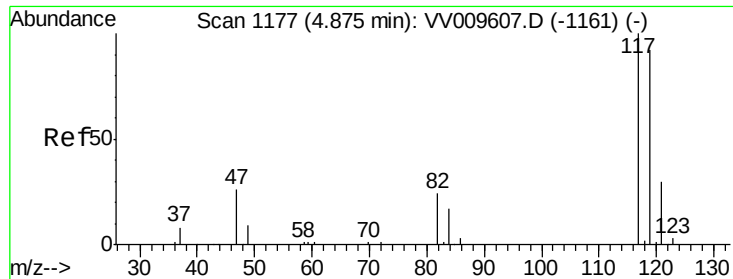


Abundance Ion 97.00 (96.70 to 97.70): VV009607.D (-1092) (-)

Ion 99.00 (98.70 to 99.70): VV009607.D (-1092) (-)

Ion 61.05 (60.75 to 61.75): VV009607.D (-1092) (-)

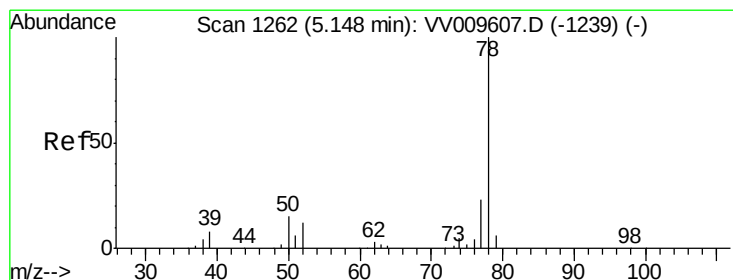
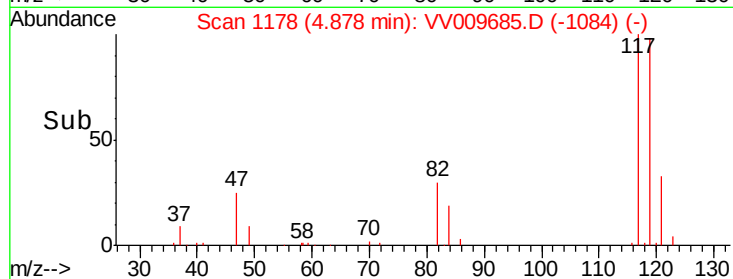
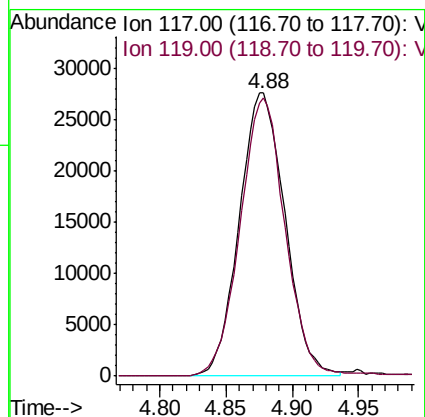
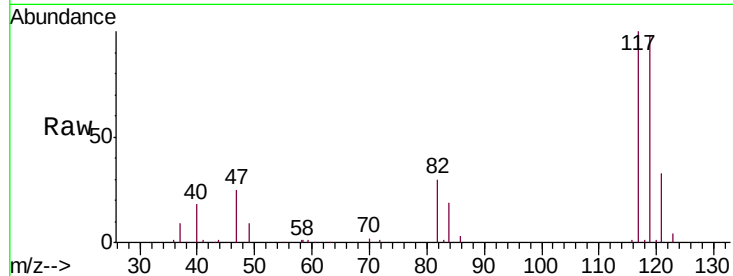




#31
Carbon tetrachloride
Concen: 48.348 ug/L
RT: 4.88 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VV009685.D
Acq: 15 Mar 2019 14:29

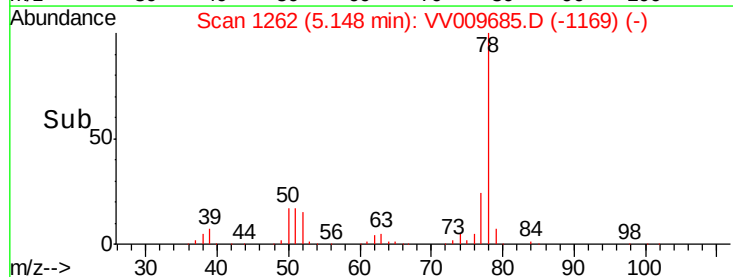
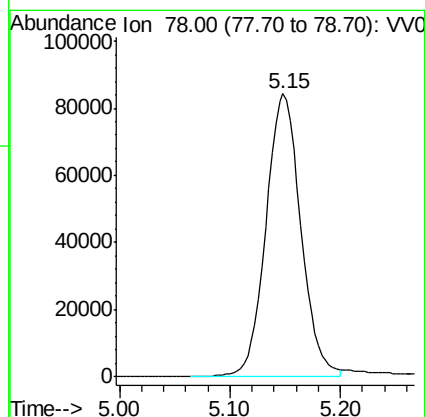
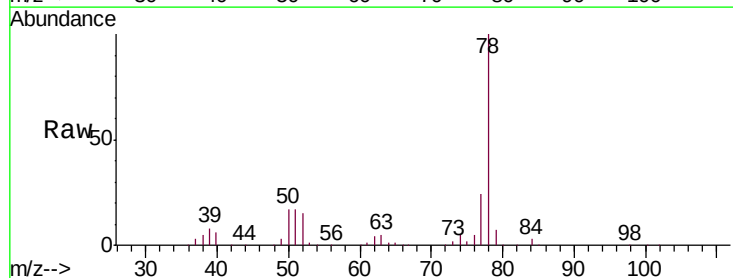
Instrument :
MSVOA_V
ClientSampleId :
VSTD05080

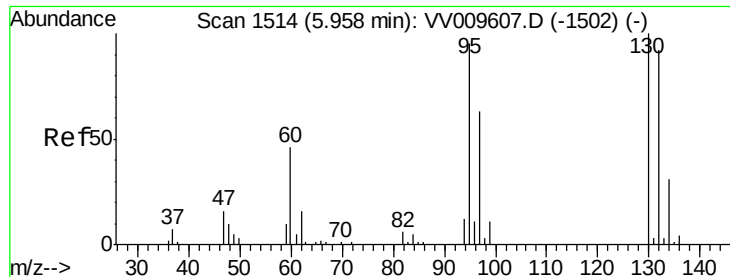
Tgt Ion:117 Resp: 66358
Ion Ratio Lower Upper
117 100
119 96.2 75.1 112.7



#33
Benzene
Concen: 47.520 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VV009685.D
Acq: 15 Mar 2019 14:29

Tgt Ion: 78 Resp: 185553





#34

Trichloroethene

Concen: 48.598 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV009685.D

Acq: 15 Mar 2019 14:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD05080

Tgt Ion: 95 Resp: 50648

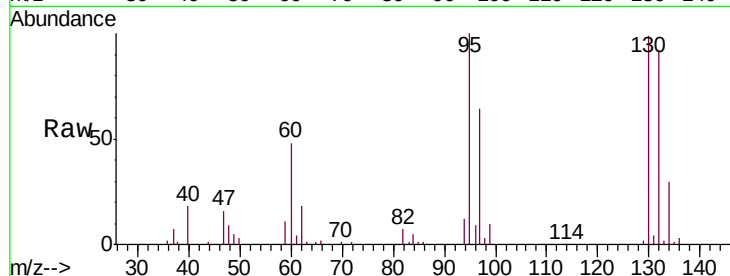
Ion Ratio Lower Upper

95 100

97 63.6 44.2 82.2

132 92.0 66.5 123.5

130 99.2 67.8 125.8

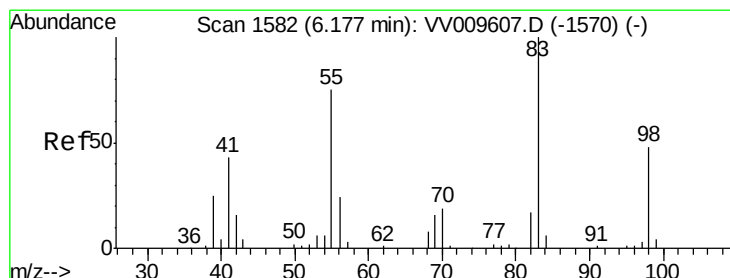
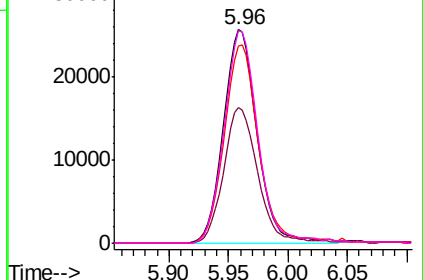
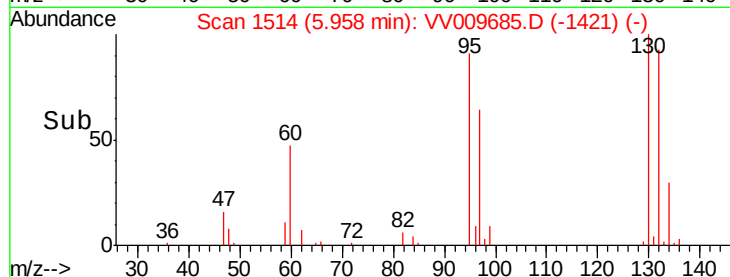


Abundance Ion 95.00 (94.70 to 95.70): VV009685.D (-1489) (-)

Ion 97.00 (96.70 to 97.70): VV009685.D (-1489) (-)

Ion 132.00 (131.70 to 132.70): VV009685.D (-1489) (-)

Ion 130.00 (129.70 to 130.70): VV009685.D (-1489) (-)



#35

Methylcyclohexane

Concen: 46.768 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VV009685.D

Acq: 15 Mar 2019 14:29

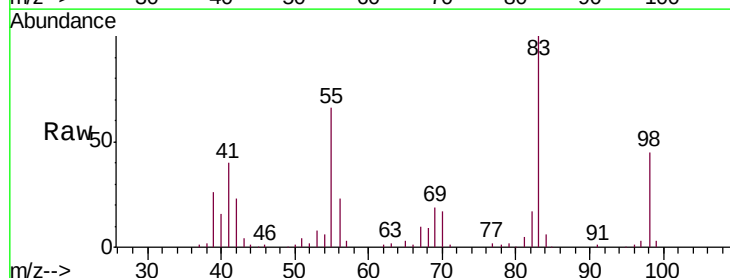
Tgt Ion: 83 Resp: 78848

Ion Ratio Lower Upper

83 100

55 70.2 57.9 86.9

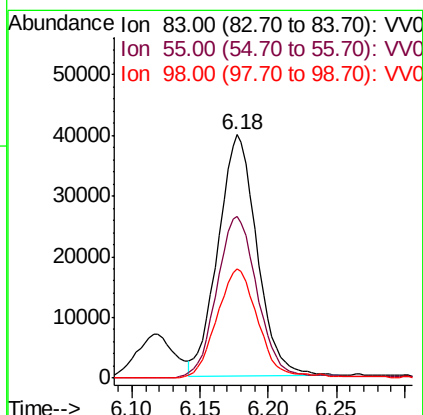
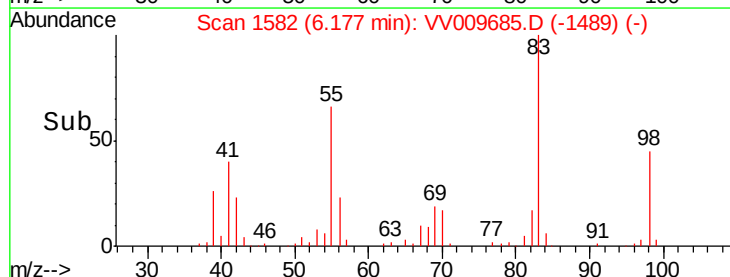
98 46.0 39.2 58.8

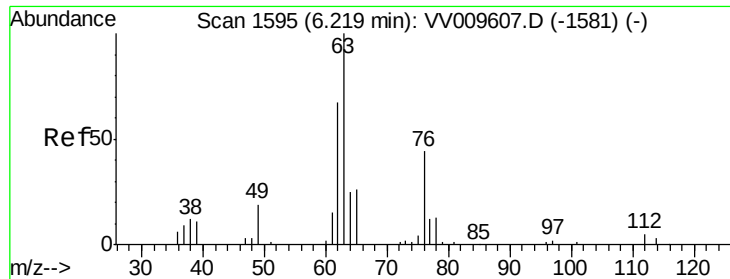


Abundance Ion 83.00 (82.70 to 83.70): VV009685.D (-1489) (-)

Ion 55.00 (54.70 to 55.70): VV009685.D (-1489) (-)

Ion 98.00 (97.70 to 98.70): VV009685.D (-1489) (-)

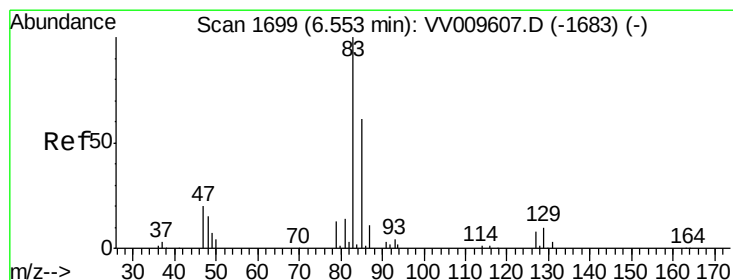
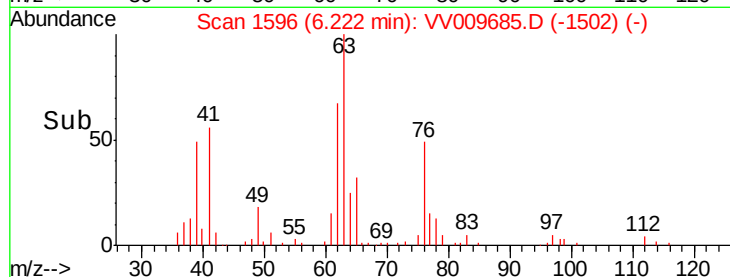
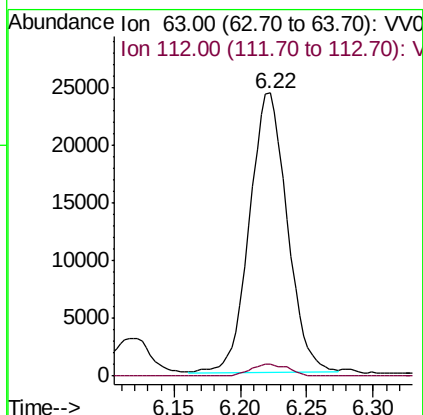
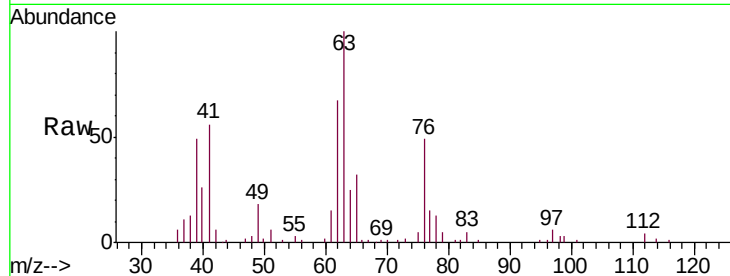




#37
 1,2-Dichloropropane
 Concen: 48.574 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. 0.00 min
 Lab File: VV009685.D
 Acq: 15 Mar 2019 14:29

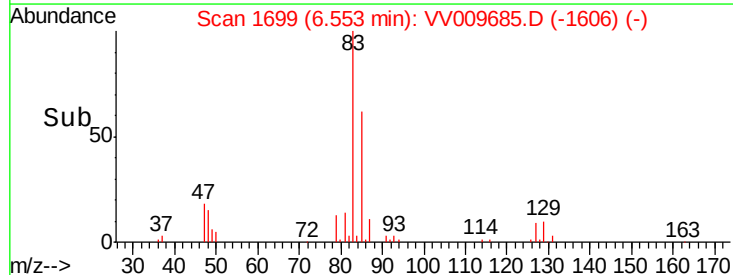
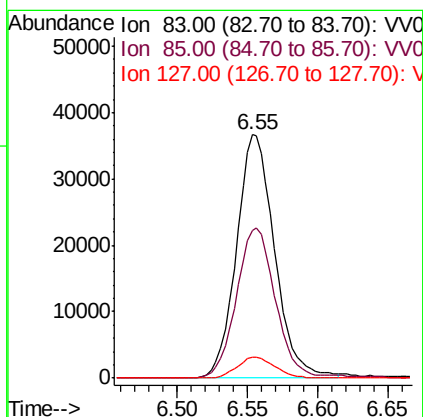
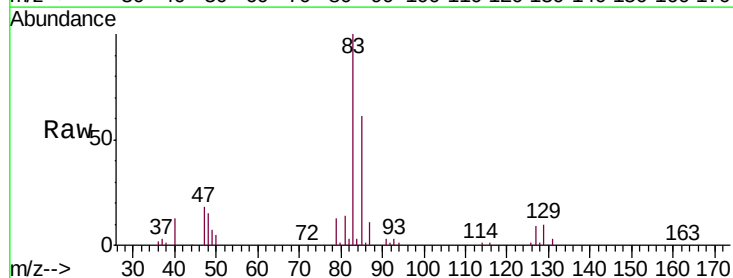
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD05080

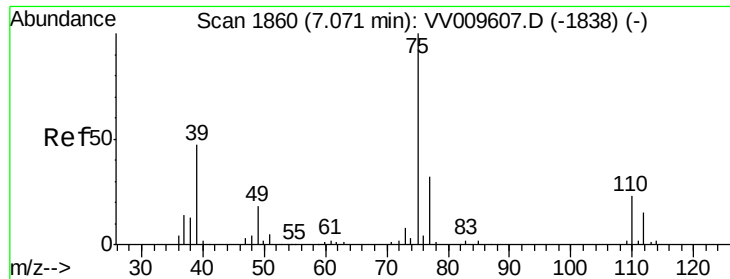
Tgt Ion: 63 Resp: 48344
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.4 5.0



#38
 Bromodichloromethane
 Concen: 49.540 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV009685.D
 Acq: 15 Mar 2019 14:29

Tgt Ion: 83 Resp: 69529
 Ion Ratio Lower Upper
 83 100
 85 60.7 45.0 83.6
 127 8.8 6.6 10.0

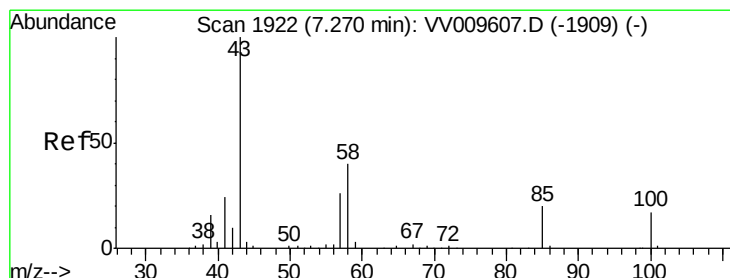
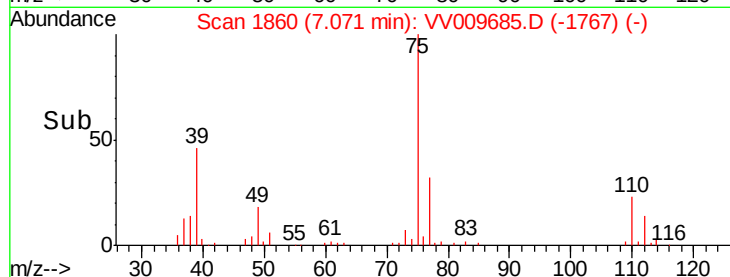
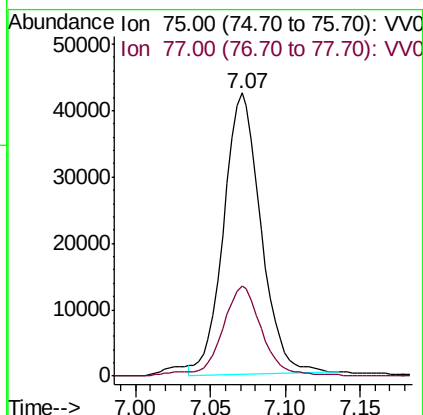
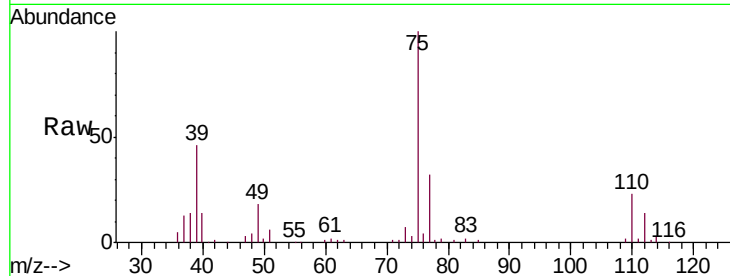




#39
 cis-1,3-Dichloropropene
 Concen: 46.080 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV009685.D
 Acq: 15 Mar 2019 14:29

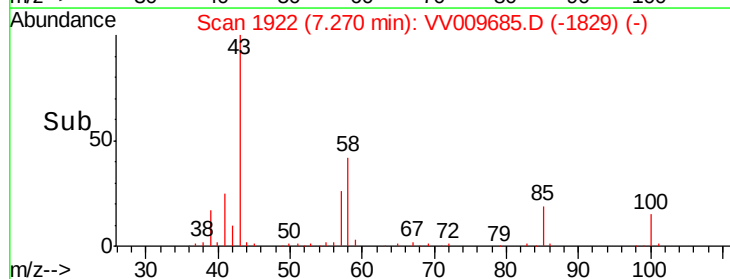
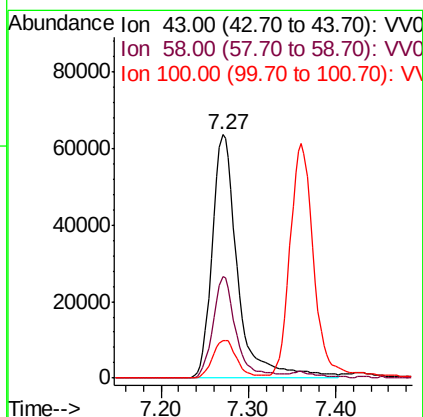
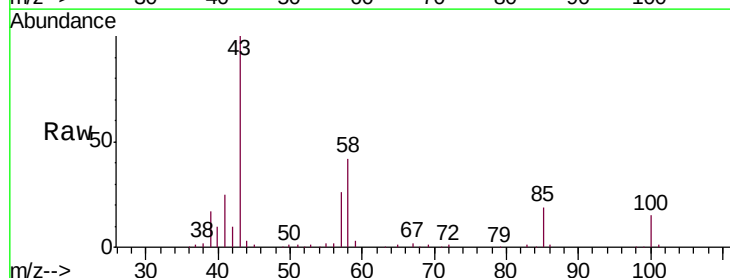
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05080

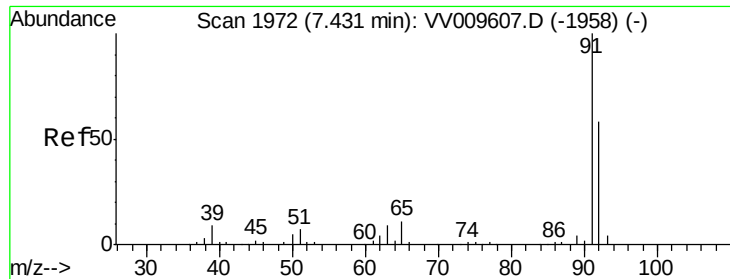
Tgt Ion: 75 Resp: 73098
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 96.632 ug/L
 RT: 7.27 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VV009685.D
 Acq: 15 Mar 2019 14:29

Tgt Ion: 43 Resp: 129265
 Ion Ratio Lower Upper
 43 100
 58 37.9 32.1 48.1
 100 14.5 12.9 19.3





#42

Toluene

Concen: 47.174 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV009685.D

Acq: 15 Mar 2019 14:29

Instrument :

MSVOA_V

ClientSampleId :

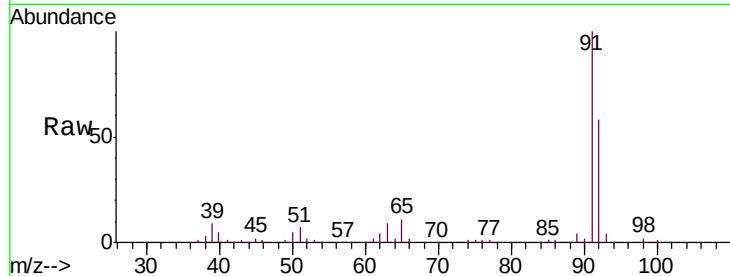
VSTD05080

Tgt Ion: 91 Resp: 209947

Ion Ratio Lower Upper

91 100

92 57.7 38.6 71.6



Abundance Ion 91.00 (90.70 to 91.70): VV009607.D (-1958) (-)

Ion 92.00 (91.70 to 92.70): VV009607.D (-1958) (-)

7.43

120000

100000

80000

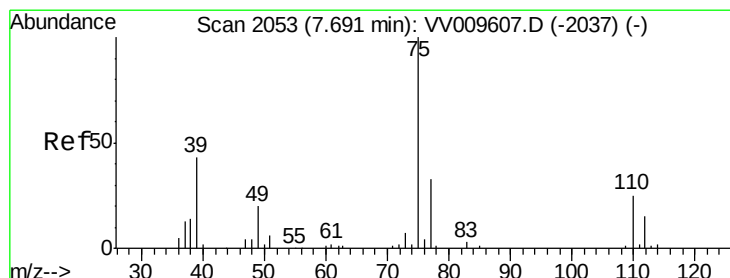
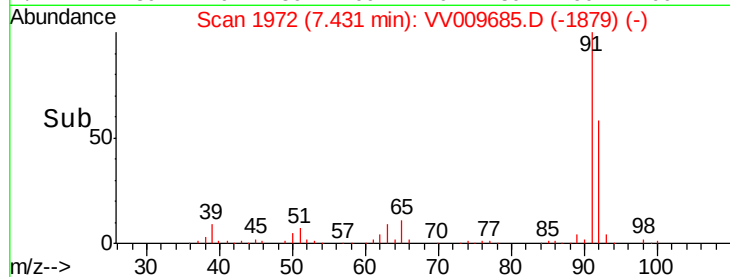
60000

40000

20000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 48.441 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV009685.D

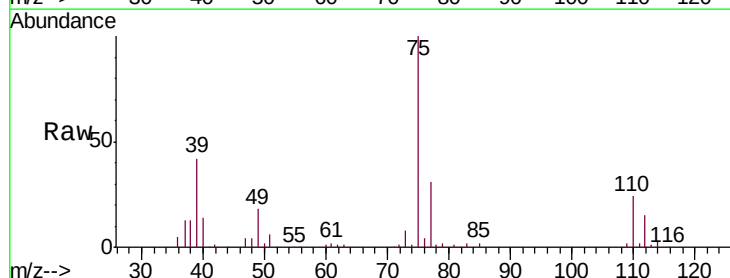
Acq: 15 Mar 2019 14:29

Tgt Ion: 75 Resp: 72154

Ion Ratio Lower Upper

75 100

77 31.1 21.6 40.2



Abundance Ion 75.00 (74.70 to 75.70): VV009607.D (-2037) (-)

Ion 77.00 (76.70 to 77.70): VV009607.D (-2037) (-)

7.69

50000

40000

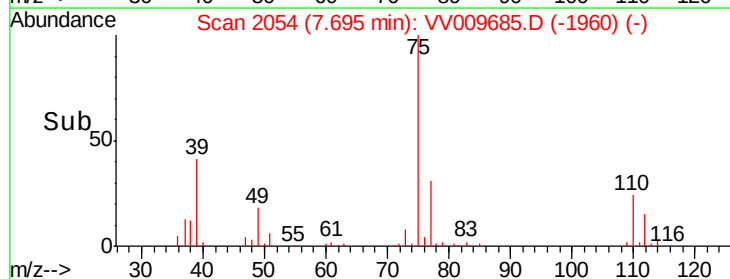
30000

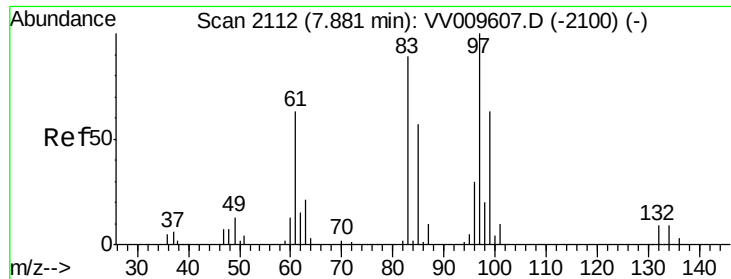
20000

10000

0

Time-->

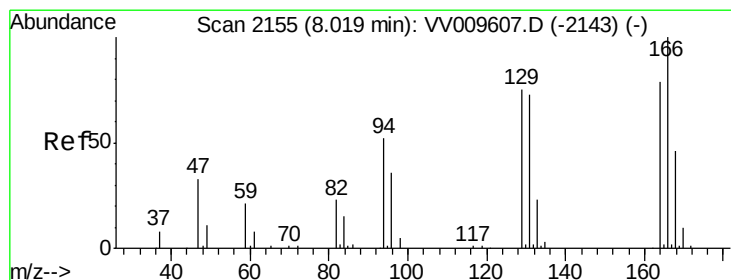
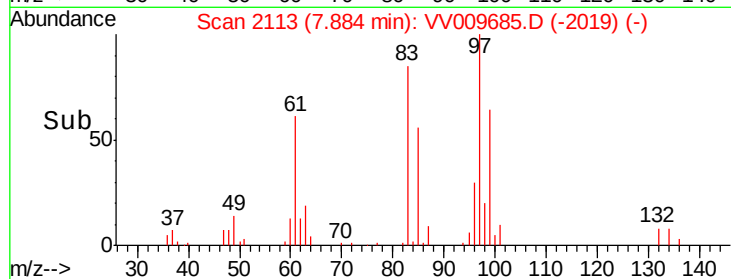
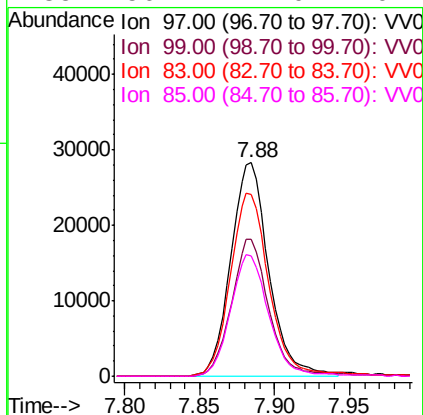
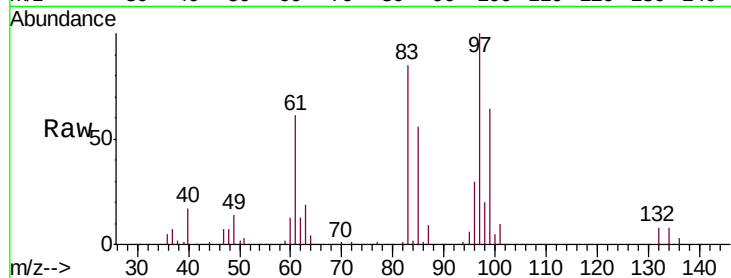




#45
 1,1,2-Trichloroethane
 Concen: 48.752 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VV009685.D
 Acq: 15 Mar 2019 14:29

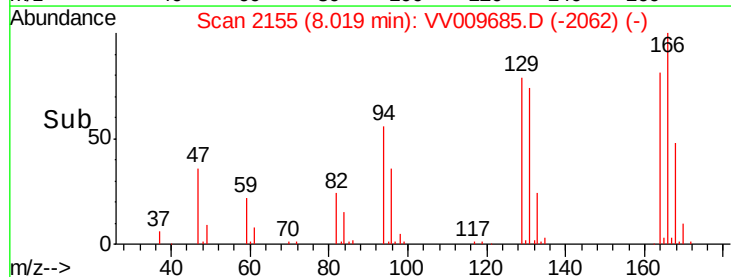
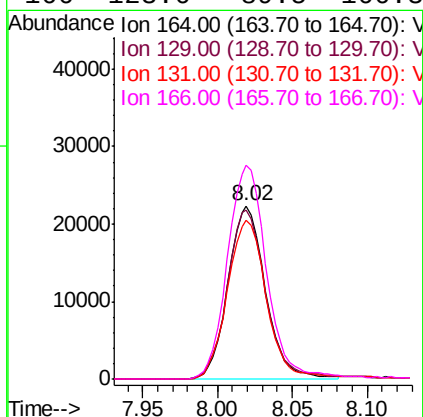
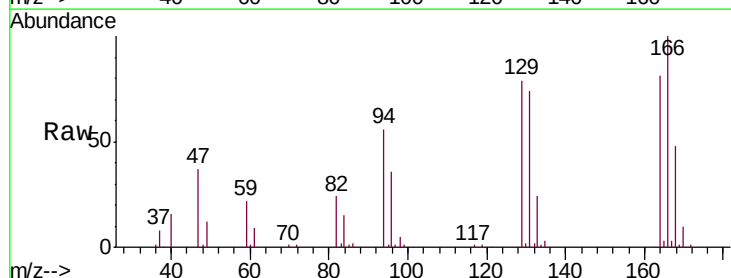
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05080

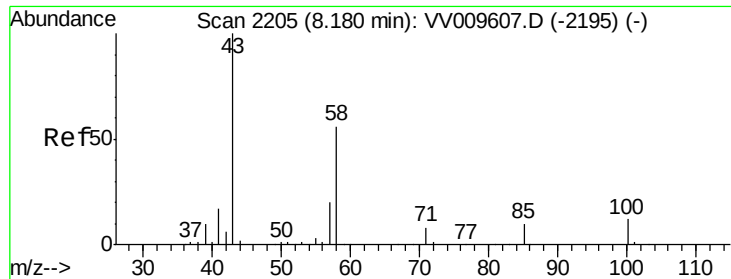
Tgt Ion:	97	Resp:	50046
Ion	Ratio	Lower	Upper
97	100		
99	63.9	44.0	81.8
83	85.3	61.5	114.3
85	56.1	41.0	76.2



#46
 Tetrachloroethene
 Concen: 47.514 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV009685.D
 Acq: 15 Mar 2019 14:29

Tgt Ion:	164	Resp:	38931
Ion	Ratio	Lower	Upper
164	100		
129	98.0	70.8	131.6
131	91.5	68.3	126.9
166	123.6	89.5	166.3

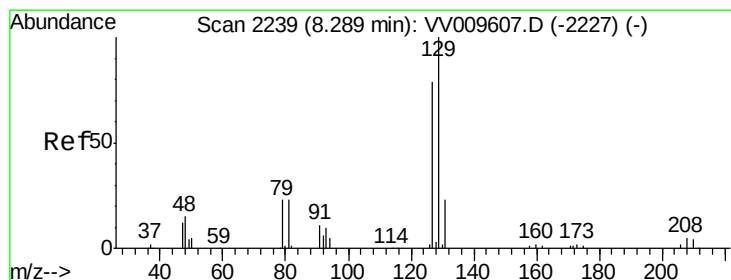
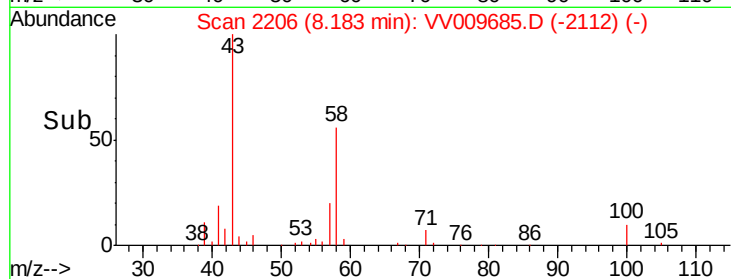
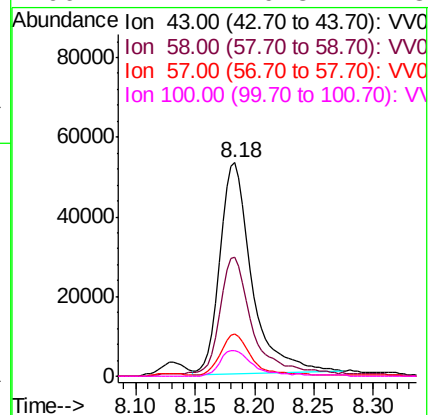
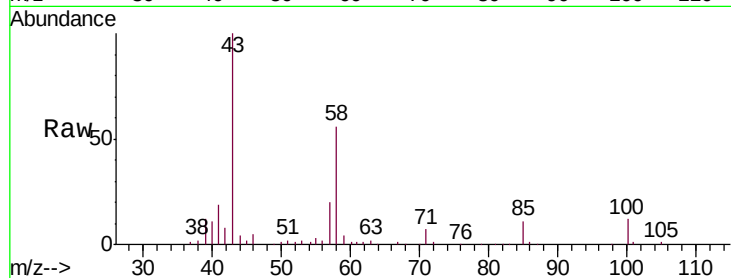




#48
2-Hexanone
Concen: 91.714 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV009685.D
Acq: 15 Mar 2019 14:29

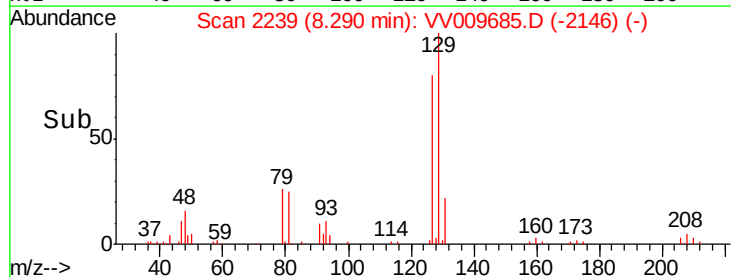
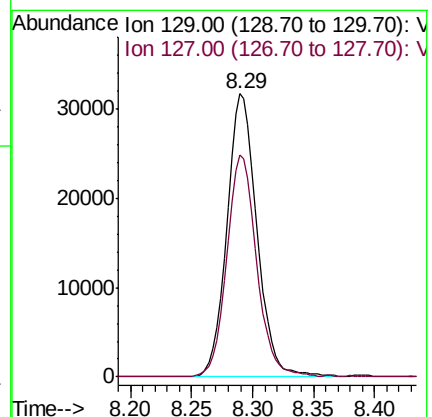
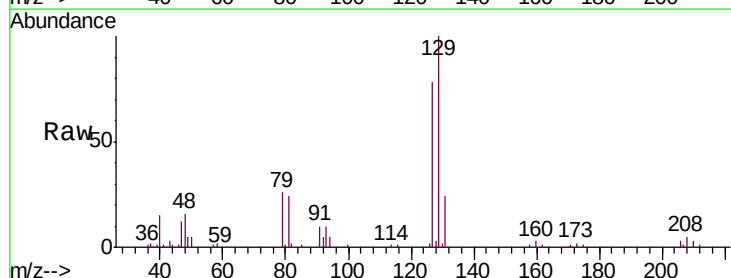
Instrument :
MSVOA_V
ClientSampleId :
VSTD05080

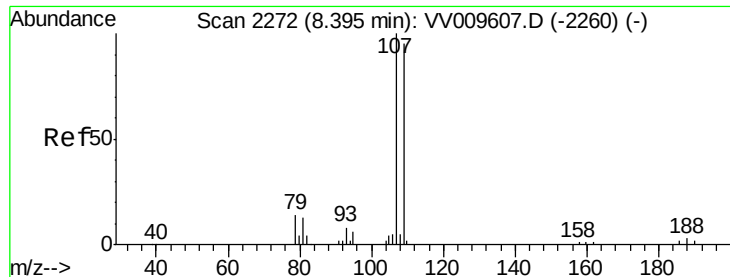
Tgt Ion: 43 Resp: 97762
Ion Ratio Lower Upper
43 100
58 55.5 45.8 68.8
57 18.6 14.5 21.7
100 12.7 9.8 14.8



#49
Dibromochloromethane
Concen: 48.009 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV009685.D
Acq: 15 Mar 2019 14:29

Tgt Ion: 129 Resp: 54850
Ion Ratio Lower Upper
129 100
127 78.2 53.3 99.1

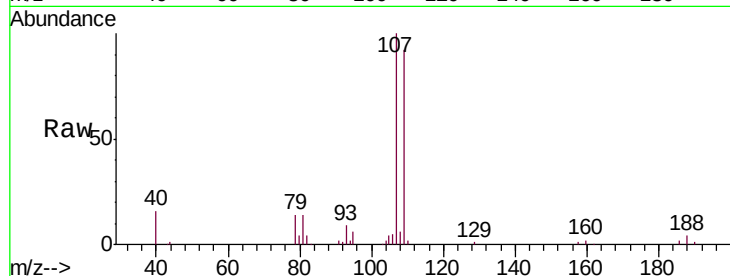




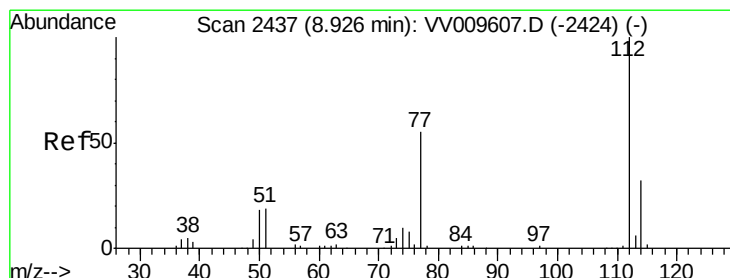
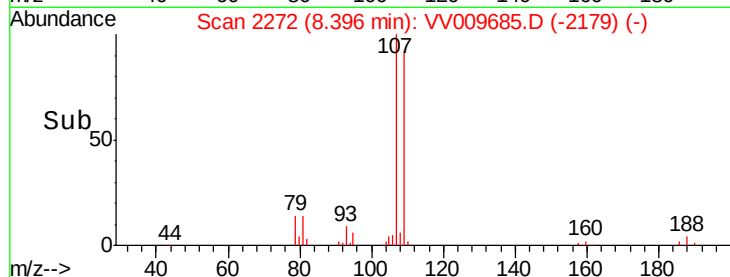
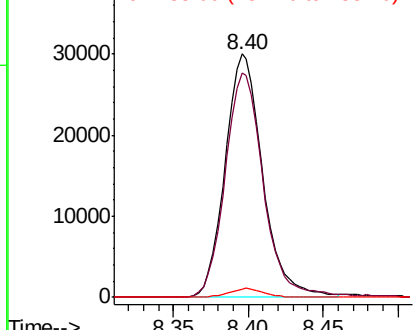
#50
1,2-Dibromoethane
Concen: 48.263 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV009685.D
Acq: 15 Mar 2019 14:29

Instrument :
MSVOA_V
ClientSampleId :
VSTD05080

Tgt Ion:107 Resp: 52479
Ion Ratio Lower Upper
107 100
109 91.9 65.2 121.2
188 3.5 2.6 4.0

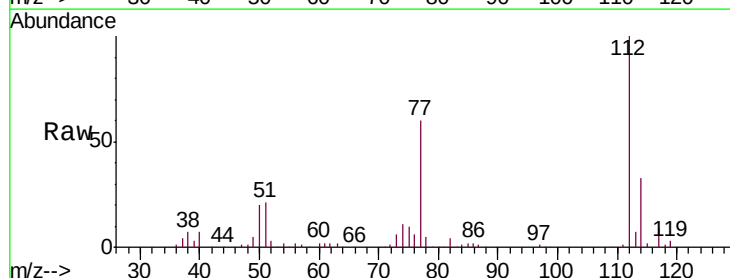


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

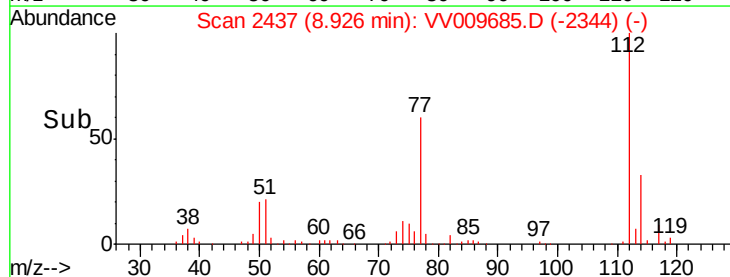
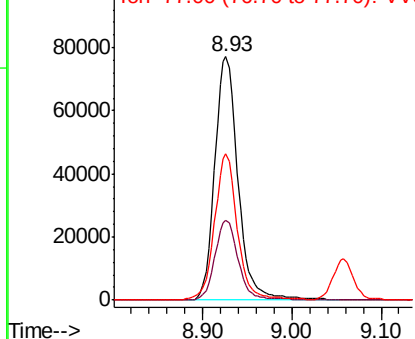


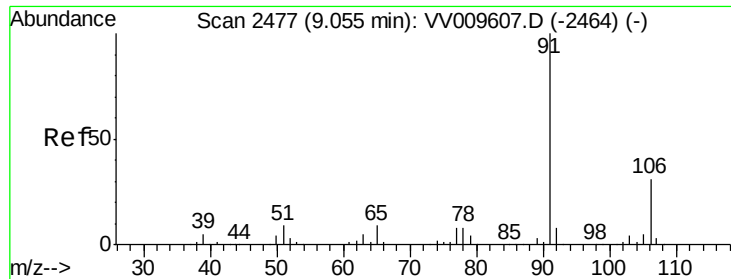
#51
Chlorobenzene
Concen: 46.737 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV009685.D
Acq: 15 Mar 2019 14:29

Tgt Ion:112 Resp: 139638
Ion Ratio Lower Upper
112 100
114 32.8 22.2 41.2
77 60.1 47.4 71.2



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





#52

Ethylbenzene

Concen: 47.347 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV009685.D

Acq: 15 Mar 2019 14:29

Instrument :

MSVOA_V

ClientSampleId :

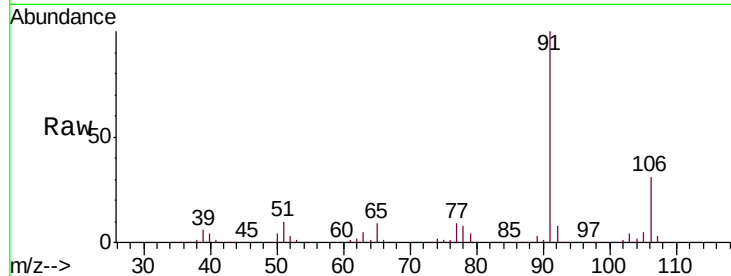
VSTD05080

Tgt Ion: 91 Resp: 238718

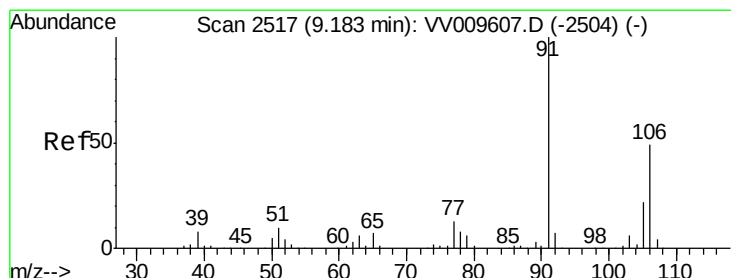
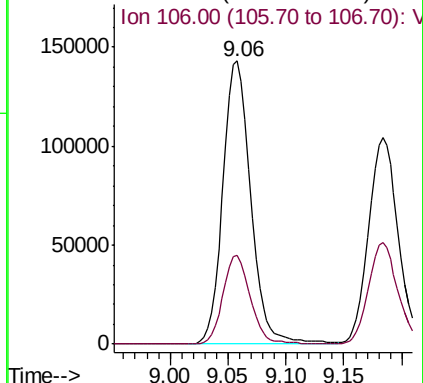
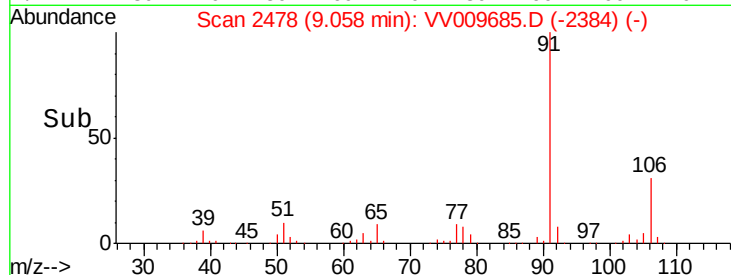
Ion Ratio Lower Upper

91 100

106 31.2 22.4 41.6



Abundance Ion 91.00 (90.70 to 91.70): VV009685.D (-2384) (-)



#53

m,p-Xylene

Concen: 47.904 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV009685.D

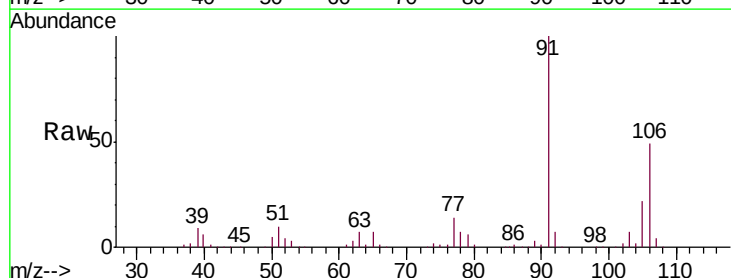
Acq: 15 Mar 2019 14:29

Tgt Ion: 106 Resp: 92528

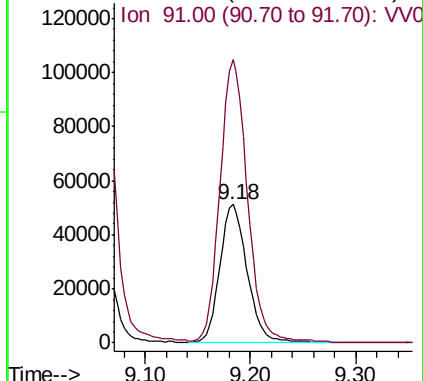
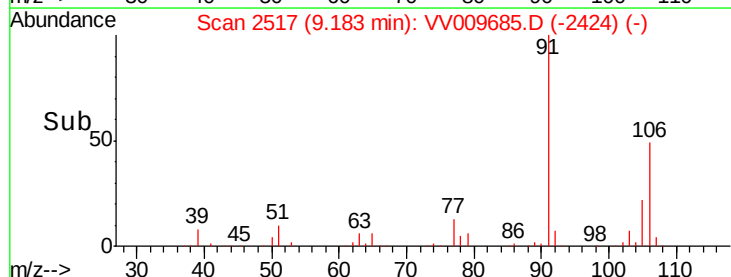
Ion Ratio Lower Upper

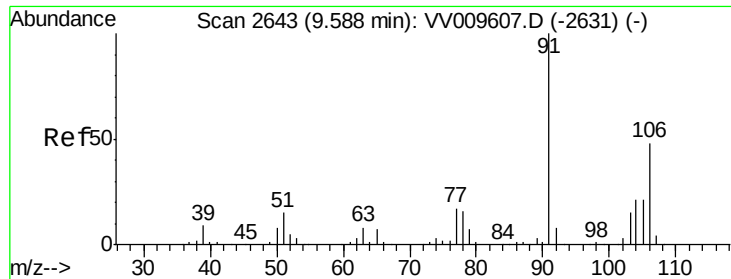
106 100

91 204.2 146.8 272.6



Abundance Ion 106.00 (105.70 to 106.70): VV009685.D (-2424) (-)

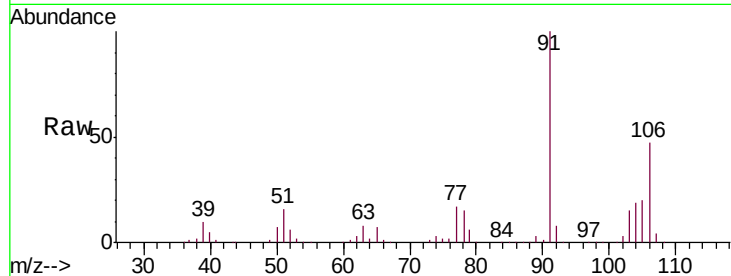




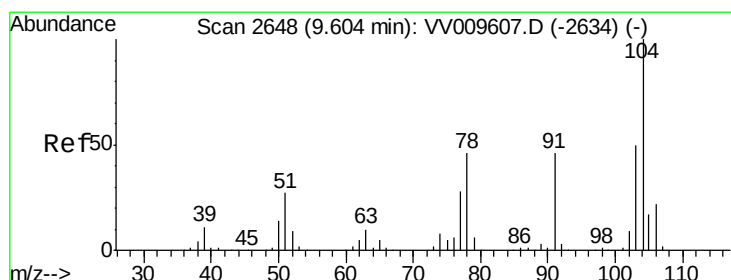
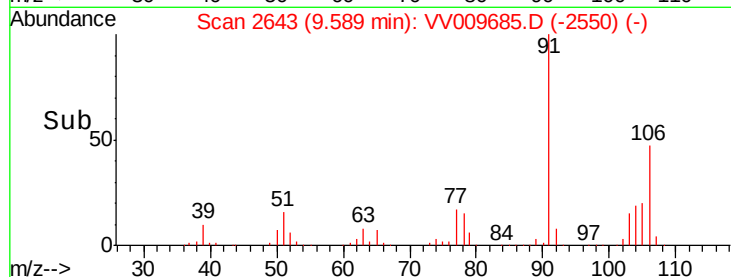
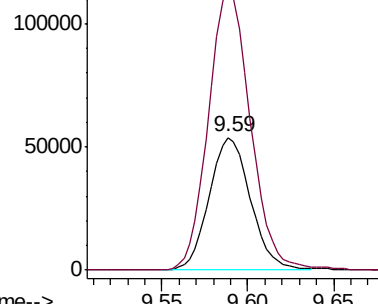
#54
o-Xylene
Concen: 45.947 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV009685.D
Acq: 15 Mar 2019 14:29

Instrument :
MSVOA_V
ClientSampleId :
VSTD05080

Tgt Ion:106 Resp: 89581
Ion Ratio Lower Upper
106 100
91 213.6 151.8 282.0

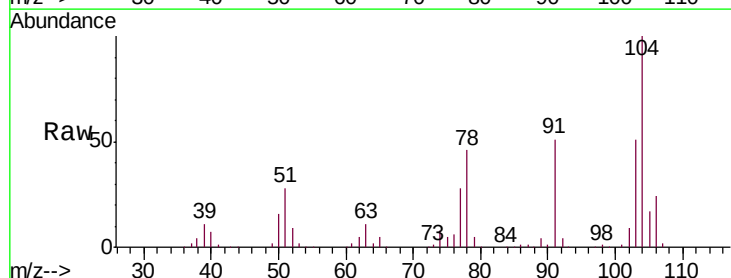


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

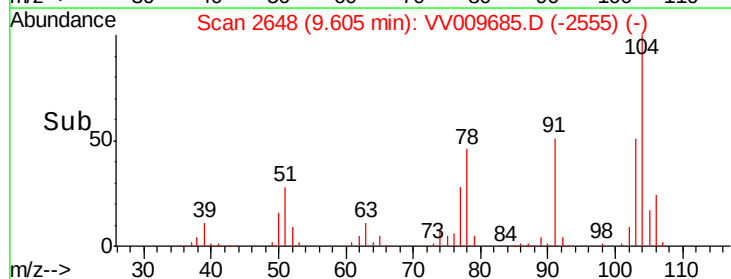
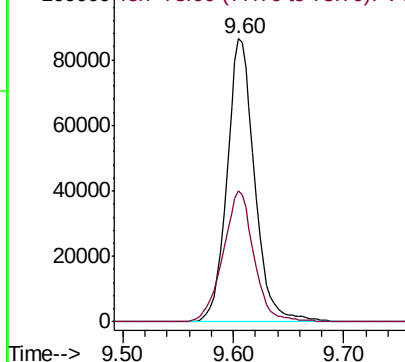


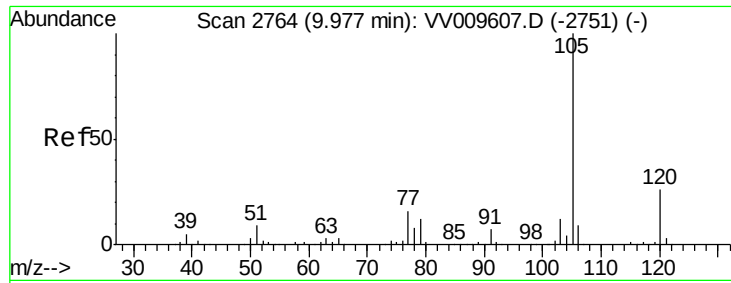
#55
Styrene
Concen: 47.424 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV009685.D
Acq: 15 Mar 2019 14:29

Tgt Ion:104 Resp: 149807
Ion Ratio Lower Upper
104 100
78 46.2 33.2 61.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 47.130 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV009685.D

Acq: 15 Mar 2019 14:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD05080

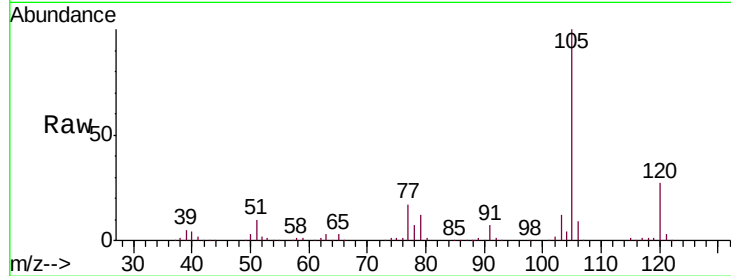
Tgt Ion: 105 Resp: 239250

Ion Ratio Lower Upper

105 100

120 26.5 21.6 32.4

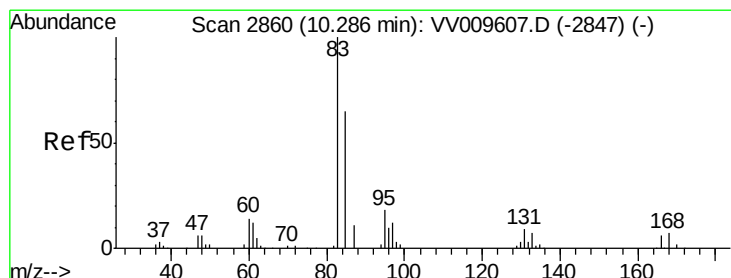
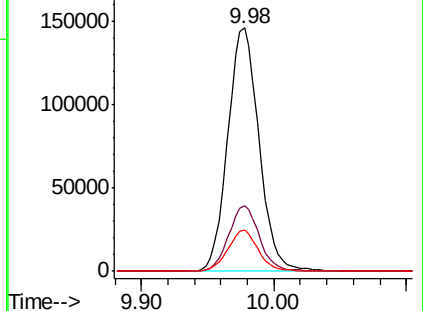
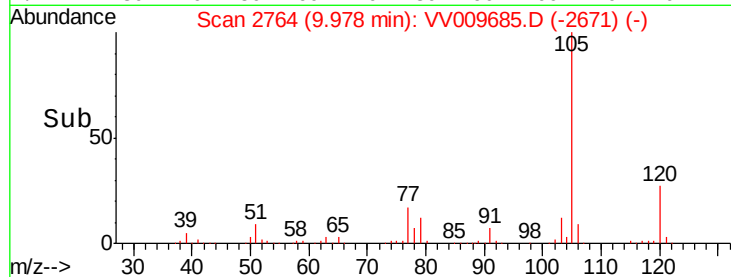
77 16.5 13.0 19.6



Abundance Ion 105.00 (104.70 to 105.70): VV009607.D (-2751) (-)

Ion 120.00 (119.70 to 120.70): VV009607.D (-2751) (-)

Ion 77.00 (76.70 to 77.70): VV009607.D (-2751) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 46.629 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV009685.D

Acq: 15 Mar 2019 14:29

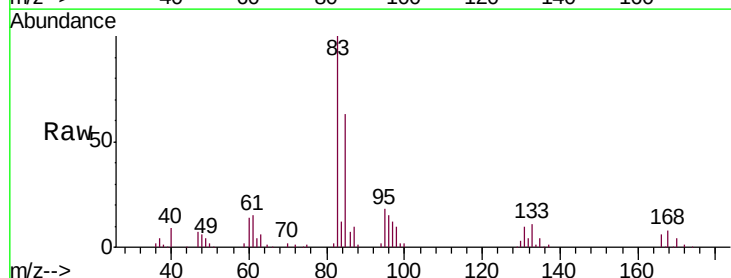
Tgt Ion: 83 Resp: 84624

Ion Ratio Lower Upper

83 100

85 63.5 44.9 83.5

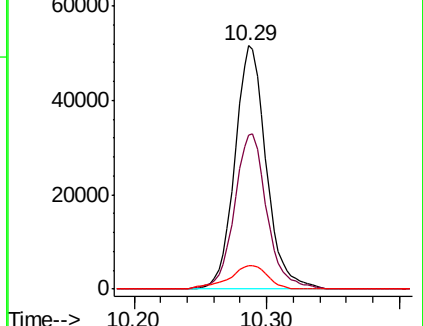
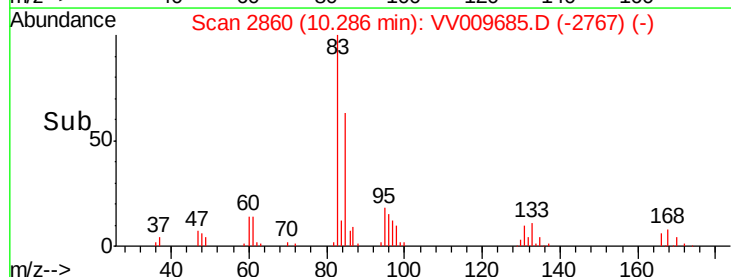
131 9.6 8.2 12.4

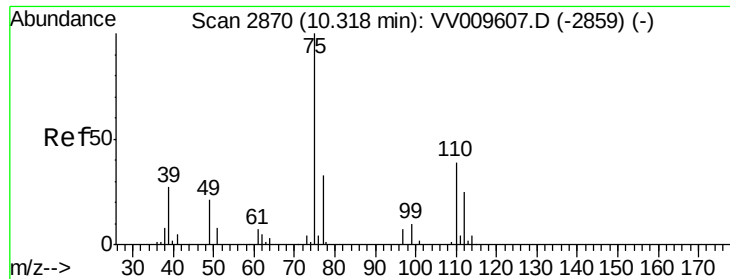


Abundance Ion 83.00 (82.70 to 83.70): VV009607.D (-2847) (-)

Ion 85.00 (84.70 to 85.70): VV009607.D (-2847) (-)

Ion 131.00 (130.70 to 131.70): VV009607.D (-2847) (-)





#59

1,2,3-Trichloropropane

Concen: 47.744 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VV009685.D

Acq: 15 Mar 2019 14:29

Instrument :

MSVOA_V

ClientSampleId :

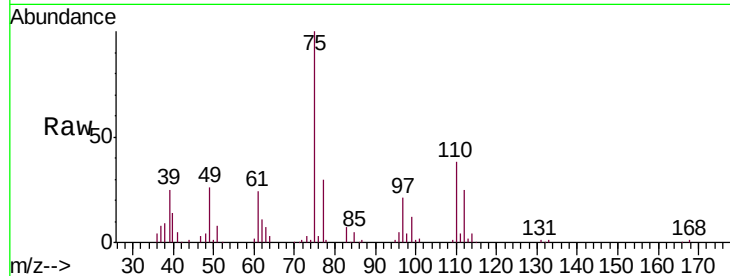
VSTD05080

Tgt Ion: 75 Resp: 64428

Ion Ratio Lower Upper

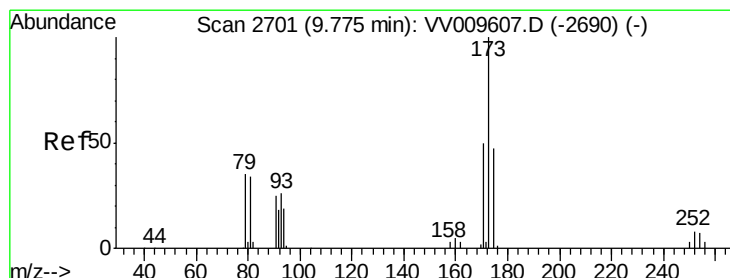
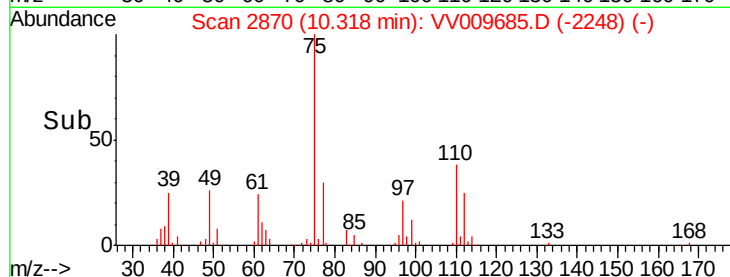
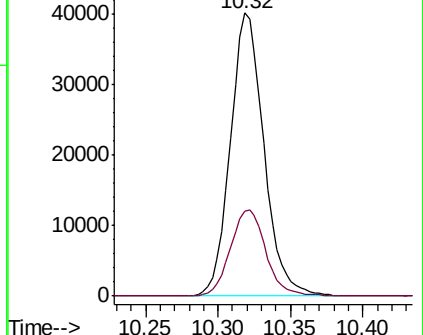
75 100

77 32.2 26.6 40.0



Abundance Ion 75.00 (74.70 to 75.70): VV009607.D (-2859) (-)

Ion 77.00 (76.70 to 77.70): VV009607.D (-2859) (-)



#61

Bromoform

Concen: 45.124 ug/L

RT: 9.78 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV009685.D

Acq: 15 Mar 2019 14:29

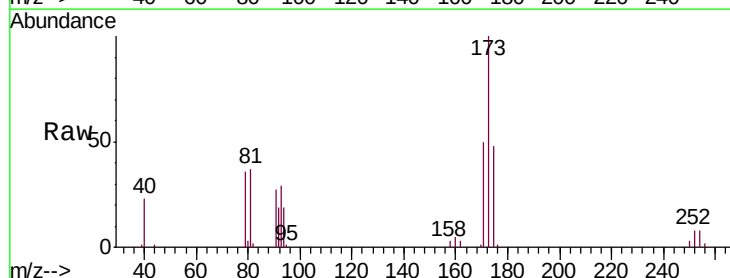
Tgt Ion: 173 Resp: 36927

Ion Ratio Lower Upper

173 100

175 47.6 37.0 55.6

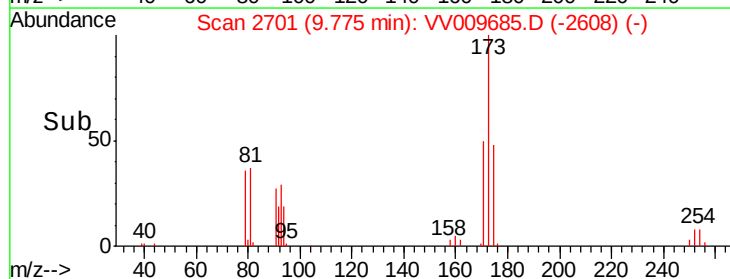
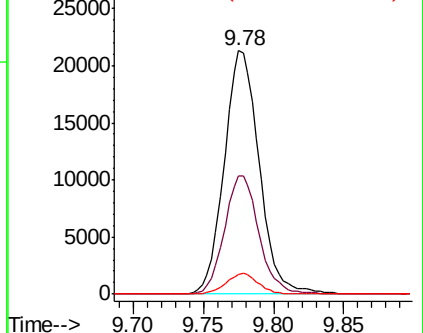
254 7.7 6.4 9.6

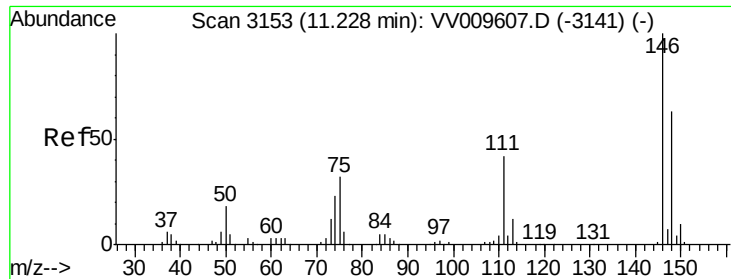


Abundance Ion 173.00 (172.70 to 173.70): VV009607.D (-2690) (-)

Ion 175.00 (174.70 to 175.70): VV009607.D (-2690) (-)

Ion 254.00 (253.70 to 254.70): VV009607.D (-2690) (-)





#62

1,3-Dichlorobenzene

Concen: 47.037 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. 0.00 min

Lab File: VV009685.D

Acq: 15 Mar 2019 14:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD05080

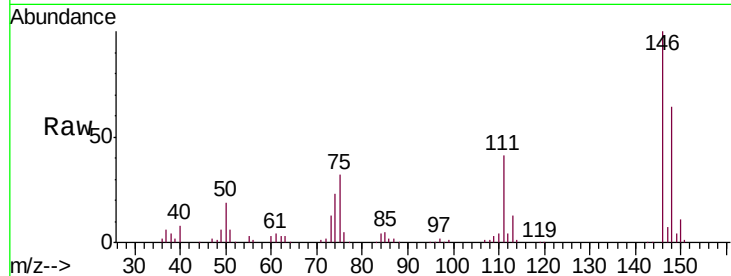
Tgt Ion:146 Resp: 103790

Ion Ratio Lower Upper

146 100

111 41.2 29.4 54.6

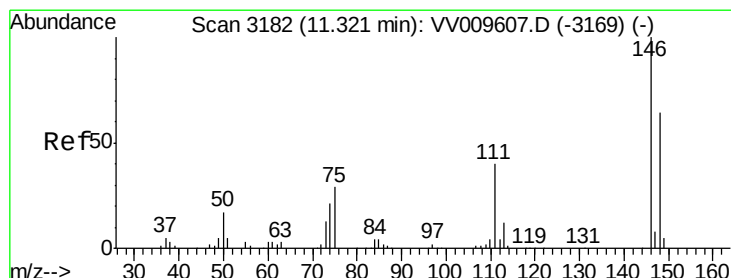
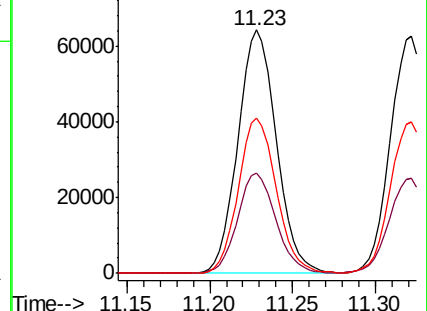
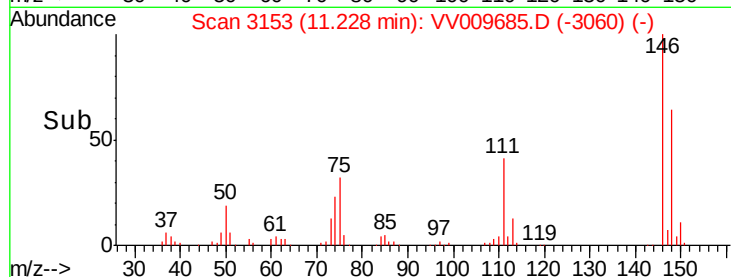
148 63.7 45.5 84.5



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



#63

1,4-Dichlorobenzene

Concen: 47.229 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VV009685.D

Acq: 15 Mar 2019 14:29

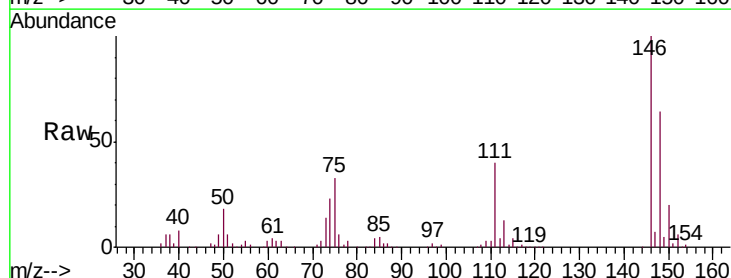
Tgt Ion:146 Resp: 102721

Ion Ratio Lower Upper

146 100

111 39.9 28.6 53.2

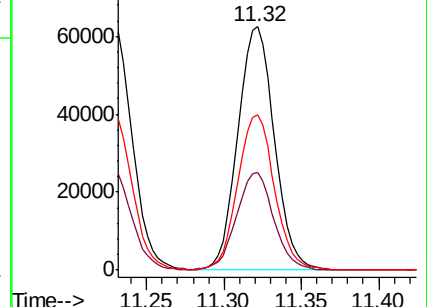
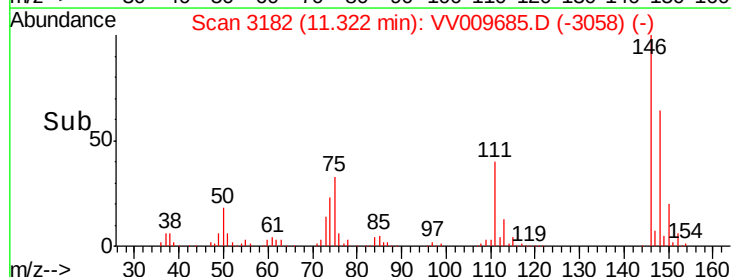
148 63.8 43.2 80.2

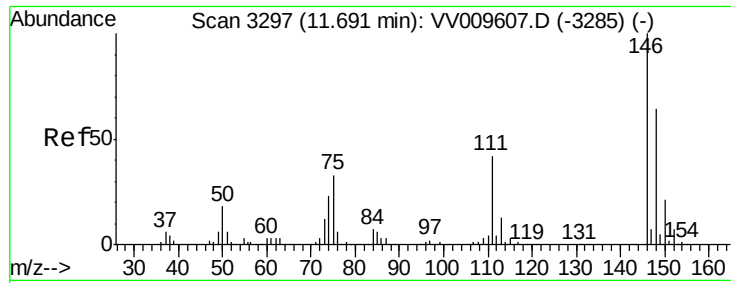


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 47.191 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV009685.D

Acq: 15 Mar 2019 14:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD05080

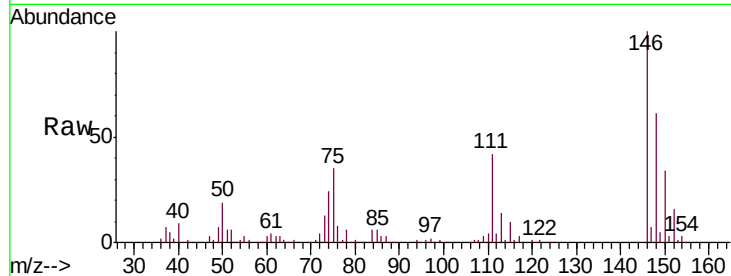
Tgt Ion: 146 Resp: 106687

Ion Ratio Lower Upper

146 100

111 42.5 34.7 52.1

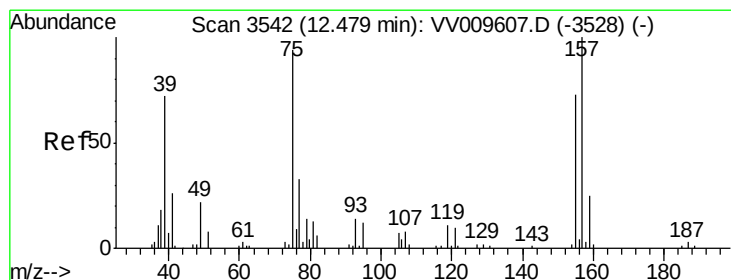
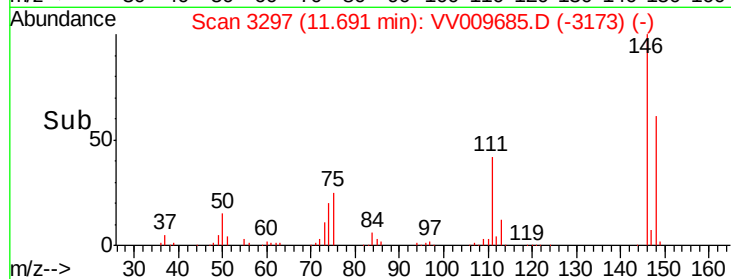
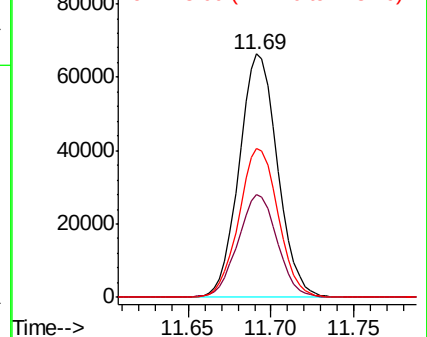
148 61.0 49.6 74.4



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: 45.258 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. 0.00 min

Lab File: VV009685.D

Acq: 15 Mar 2019 14:29

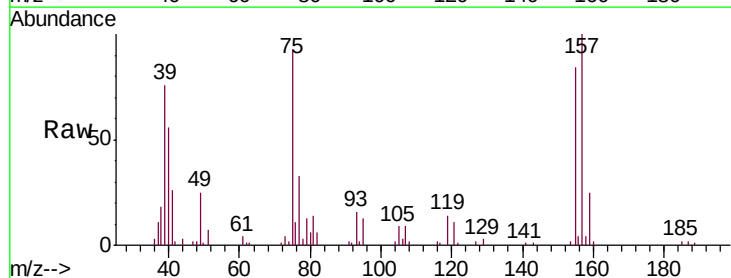
Tgt Ion: 75 Resp: 15465

Ion Ratio Lower Upper

75 100

155 90.2 63.6 95.4

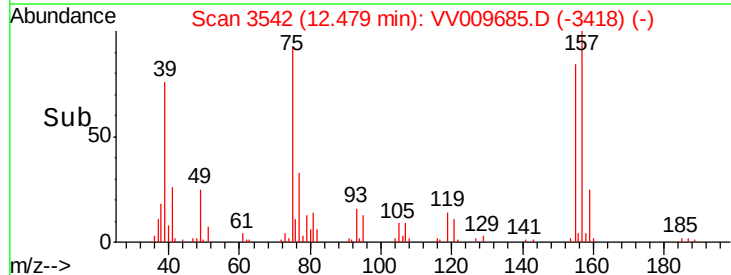
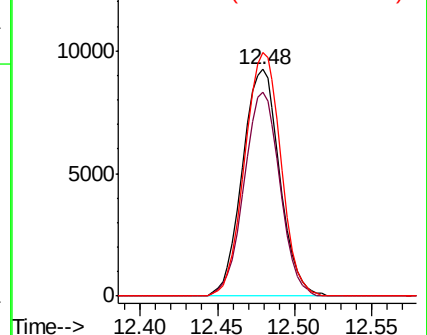
157 107.4 82.1 123.1

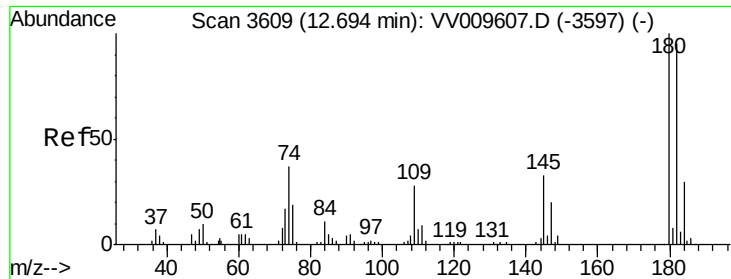


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

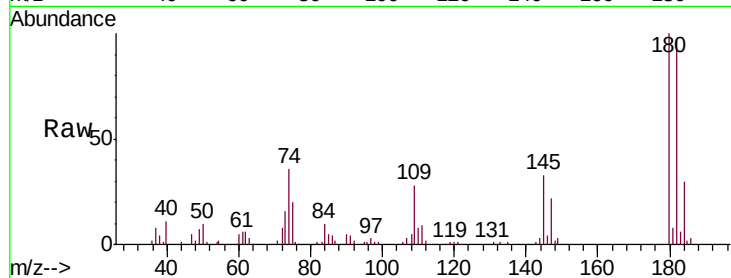




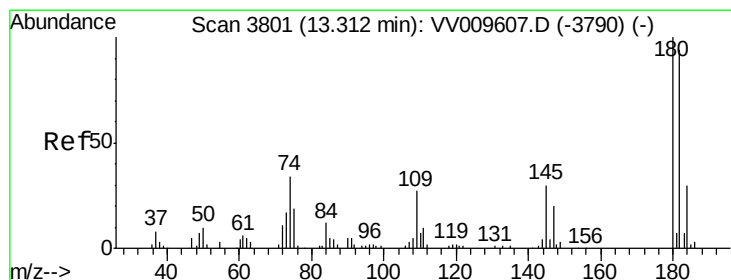
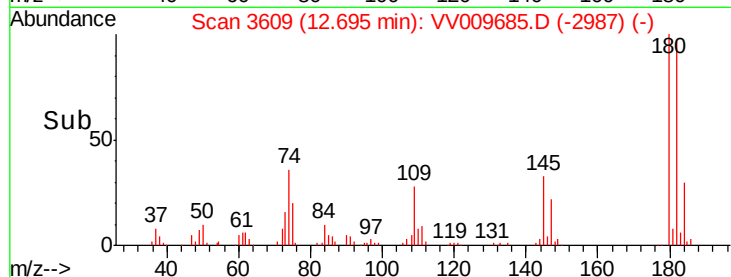
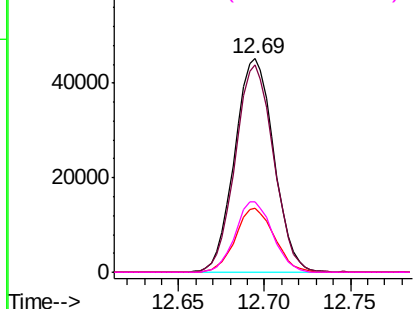
#67
 1,3,5-Trichlorobenzene
 Concen: 49.934 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV009685.D
 Acq: 15 Mar 2019 14:29

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05080

Tgt Ion:180 Resp: 71417
 Ion Ratio Lower Upper
 180 100
 182 95.0 77.0 115.4
 184 29.6 24.2 36.4
 145 31.6 24.7 37.1

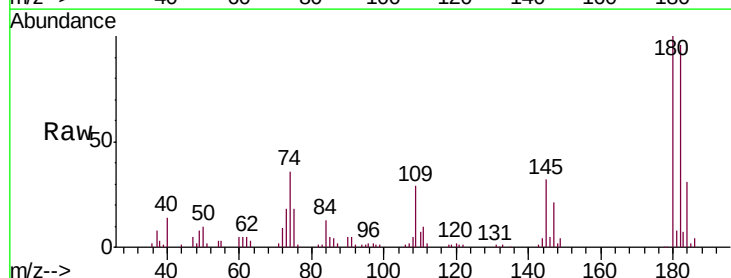


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

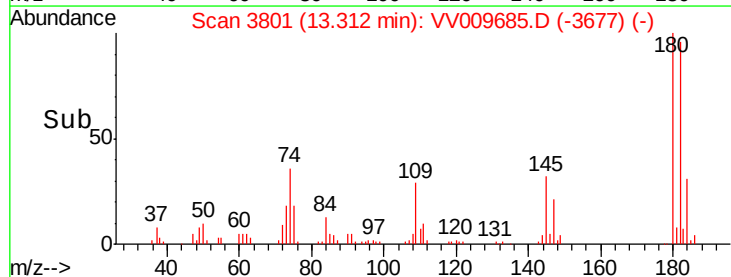
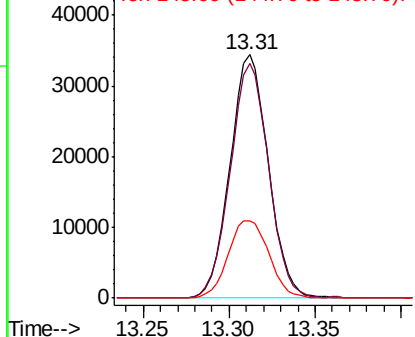


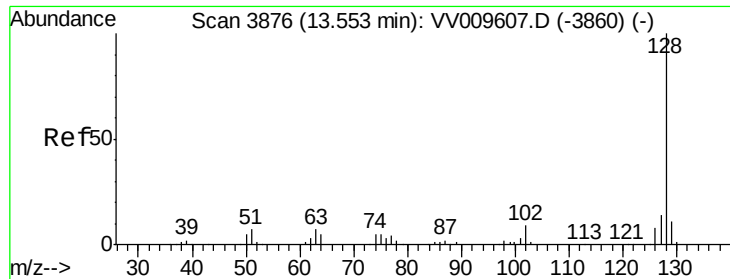
#68
 1,2,4-trichlorobenzene
 Concen: 53.770 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV009685.D
 Acq: 15 Mar 2019 14:29

Tgt Ion:180 Resp: 53229
 Ion Ratio Lower Upper
 180 100
 182 96.5 76.6 114.8
 145 33.6 26.2 39.4



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





#69

Naphthalene

Concen: 50.253 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV009685.D

Acq: 15 Mar 2019 14:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD05080

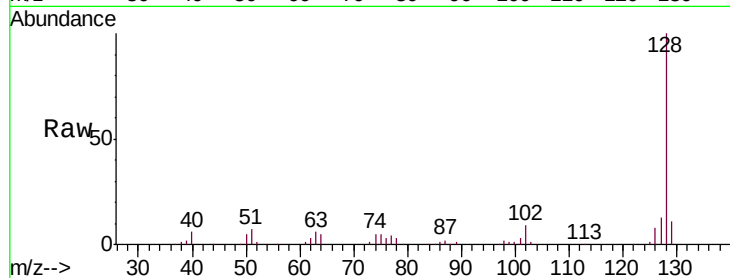
Tgt Ion:128 Resp: 140071

Ion Ratio Lower Upper

128 100

127 13.3 10.5 15.7

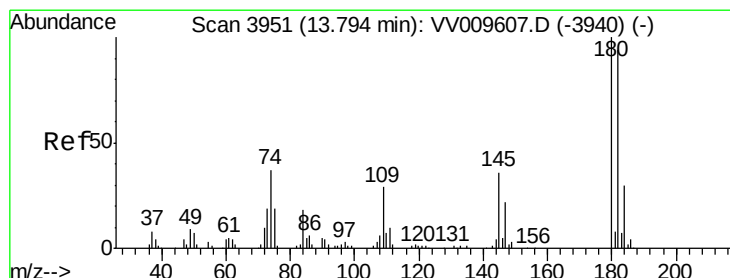
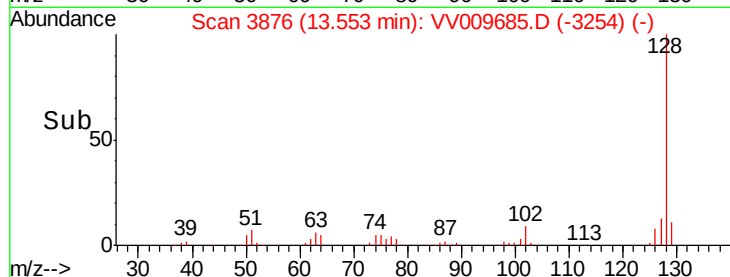
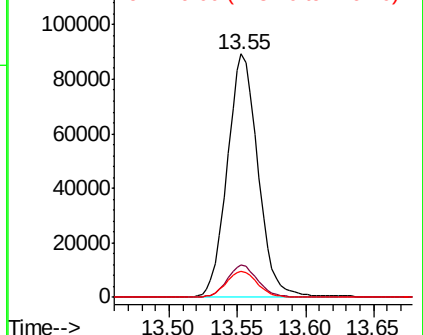
129 10.9 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 53.241 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV009685.D

Acq: 15 Mar 2019 14:29

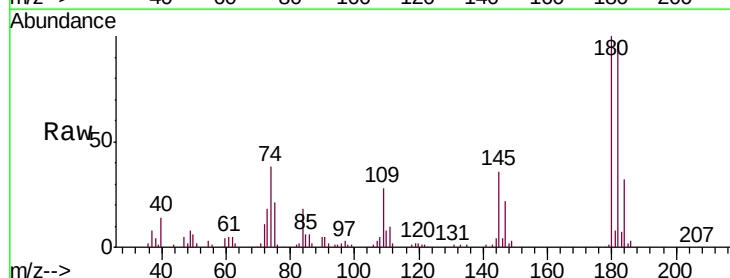
Tgt Ion:180 Resp: 55522

Ion Ratio Lower Upper

180 100

182 95.9 73.4 110.0

145 34.3 27.0 40.4



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

