

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091218\
 Data File : VV007472.D
 Acq On : 12 Sep 2018 12:14
 Operator : SY/MD
 Sample : VSTD00165
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00165

Quant Time: Sep 13 01:54:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091218WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Sep 13 01:53:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	123881	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	109428	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	56213	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	6570	0.99	ug/L	0.00
7) Chloroethane-d5	1.58	69	5033	0.91	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.14	63	12769	0.96	ug/L	0.00
20) 2-Butanone-d5	3.98	46	14309	10.02	ug/L	0.01
24) Chloroform-d	4.41	84	12267	0.94	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	6727	0.98	ug/L	0.00
32) Benzene-d6	5.10	84	25177	1.01	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.13	67	7450	1.00	ug/L	0.00
41) Toluene-d8	7.36	98	23853	0.95	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	3350	0.91	ug/L	0.00
46) 2-Hexanone-d5	8.15	63	7469	8.54	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	5745	1.01	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	9717	1.01	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	6606	0.915 ug/L	# 88
3) Chloromethane	1.25	50	6058	0.958 ug/L	87
5) Vinyl chloride	1.32	62	7725	1.062 ug/L	98
6) Bromomethane	1.54	94	4441	0.921 ug/L	87
8) Chloroethane	1.60	64	4244	0.981 ug/L	97
9) Trichlorofluoromethane	1.77	101	12504	0.986 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	7116	0.982 ug/L	97
12) 1,1-Dichloroethene	2.14	96	6184	0.967 ug/L	94
13) Acetone	2.21	43	7348	8.818 ug/L	86
14) Carbon disulfide	2.32	76	19362	0.990 ug/L	95
15) Methyl Acetate	2.47	43	2842	1.233 ug/L	99
16) Methylene chloride	2.54	84	6843	1.002 ug/L	89
17) Methyl tert-butyl Ether	2.82	73	15682	0.970 ug/L	95
18) trans-1,2-Dichloroethene	2.79	96	6619	0.968 ug/L	93
19) 1,1-Dichloroethane	3.23	63	10516	0.942 ug/L	# 86
21) 2-Butanone	4.06	43	13121	9.688 ug/L	93
22) cis-1,2-Dichloroethene	3.97	96	6549	0.975 ug/L	# 97
23) Bromochloromethane	4.30	128	3252	1.012 ug/L	# 92
25) Chloroform	4.43	83	11494	0.999 ug/L	98
27) 1,2-Dichloroethane	5.19	62	7362	1.022 ug/L	# 74
29) 1,1,1-Trichloroethane	4.66	97	11746	1.041 ug/L	96
30) Cyclohexane	4.72	56	10697	1.070 ug/L	96
31) Carbon tetrachloride	4.87	117	10095	0.970 ug/L	94
33) Benzene	5.15	78	23823	0.998 ug/L	100
34) Trichloroethene	5.96	95	7527	1.046 ug/L	94
35) Methylcyclohexane	6.18	83	10928	0.979 ug/L	95
37) 1,2-Dichloropropane	6.23	63	6439	1.065 ug/L	98
38) Bromodichloromethane	6.56	83	8115	0.949 ug/L	98
39) cis-1,3-Dichloropropene	7.08	75	9358	0.962 ug/L	95
40) 4-Methyl-2-pentanone	7.29	43	33284	9.668 ug/L	98

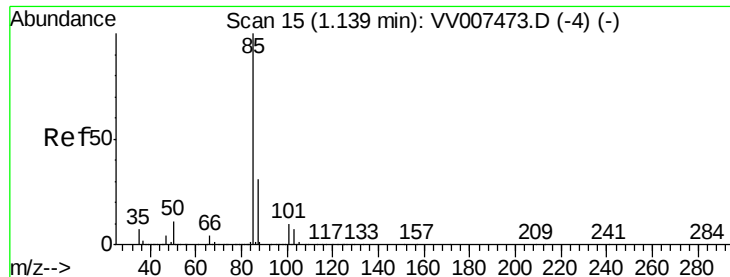
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091218\
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Sep 13 01:53:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.44	91	25234	0.955	ug/L	97
44) trans-1,3-Dichloropropene	7.70	75	8416	1.031	ug/L	88
45) 1,1,2-Trichloroethane	7.89	97	4599	1.005	ug/L	95
47) Tetrachloroethene	8.02	164	5999	0.974	ug/L	97
48) 2-Hexanone	8.20	43	24782	9.889	ug/L	98
49) Dibromochloromethane	8.30	129	5975	0.944	ug/L	99
50) 1,2-Dibromoethane	8.41	107	4368	0.978	ug/L #	94
51) Chlorobenzene	8.93	112	18367	1.023	ug/L	98
52) Ethylbenzene	9.06	91	28841	0.957	ug/L	97
53) m,p-xylene	9.19	106	11474	0.979	ug/L	95
54) o-xylene	9.59	106	11180	0.977	ug/L	94
55) Styrene	9.61	104	17679	0.943	ug/L	98
56) Isopropylbenzene	9.98	105	30066	0.976	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.30	83	4530	0.903	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	3989	1.036	ug/L	96
61) Bromoform	9.78	173	3867	0.991	ug/L	95
62) 1,3-Dichlorobenzene	11.23	146	14105	0.985	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	14312	1.003	ug/L	98
65) 1,2-Dichlorobenzene	11.70	146	13482	1.002	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	1055	1.055	ug/L #	86
67) 1,3,5-Trichlorobenzene	12.70	180	10404	0.947	ug/L	98
68) 1,2,4-trichlorobenzene	13.32	180	7122	0.855	ug/L	96
69) Naphthalene	13.56	128	10449	0.806	ug/L #	94
70) 1,2,3-Trichlorobenzene	13.80	180	6937	0.887	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 0.915 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV007472.D

Acq: 12 Sep 2018 12:14

Instrument :

MSVOA_V

ClientSampleId :

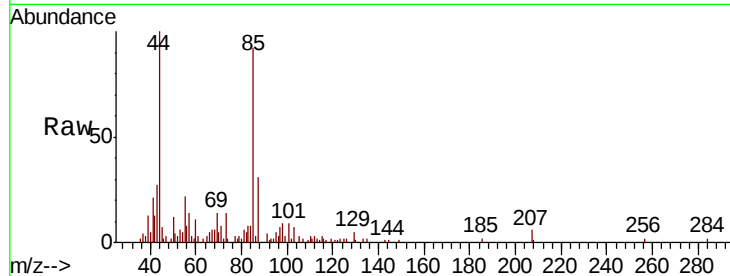
VSTD00165

Tot Ion: 85 Resp: 6606

Ion Ratio Lower Upper

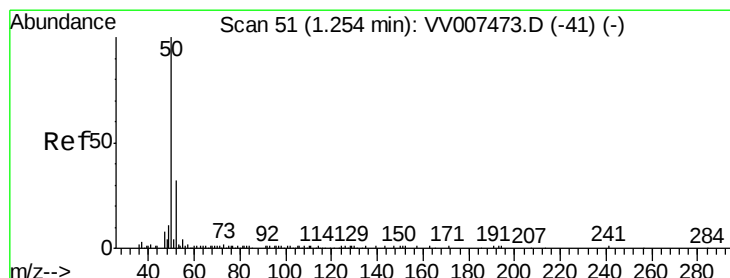
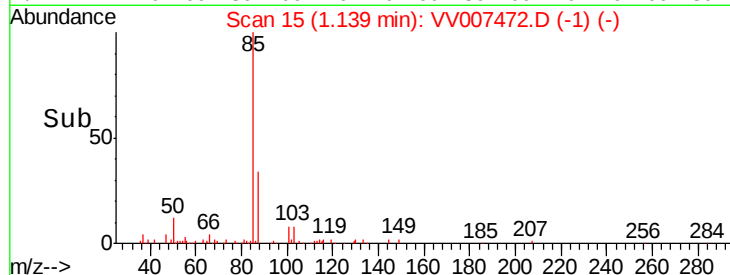
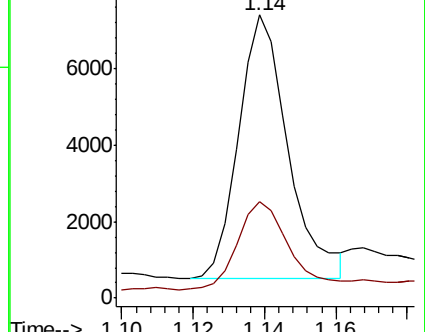
85 100

87 37.9 25.0 37.4#



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 0.958 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV007472.D

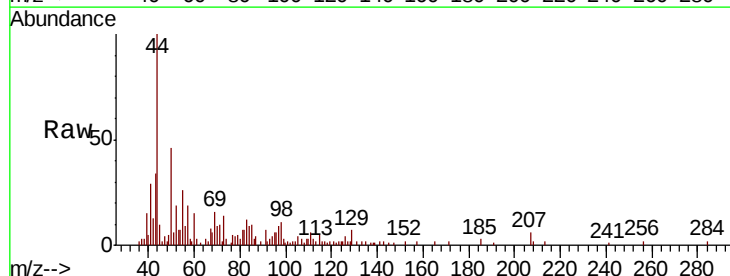
Acq: 12 Sep 2018 12:14

Tgt Ion: 50 Resp: 6058

Ion Ratio Lower Upper

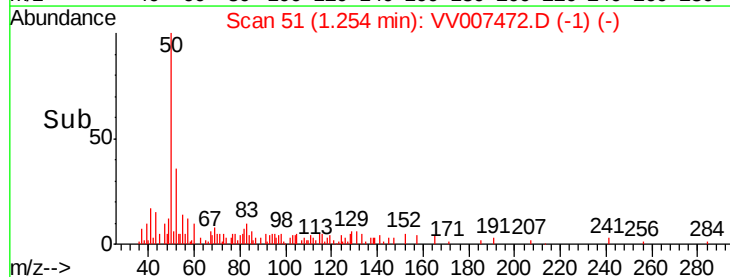
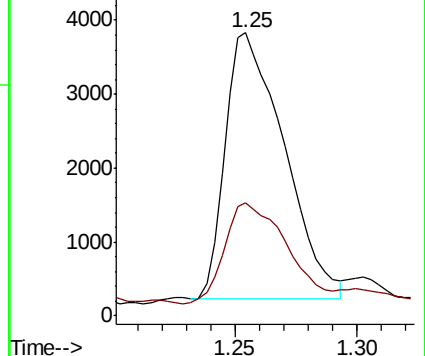
50 100

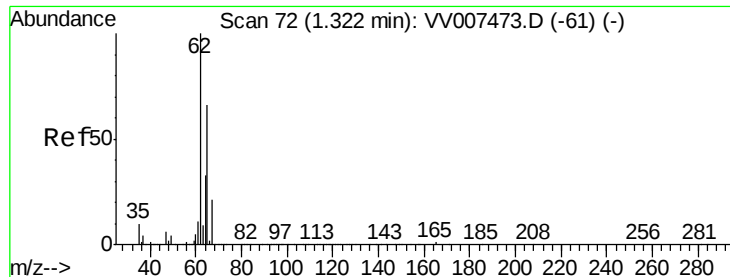
52 40.2 23.1 42.9



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 1.062 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV007472.D

Acq: 12 Sep 2018 12:14

Instrument :

MSVOA_V

ClientSampleId :

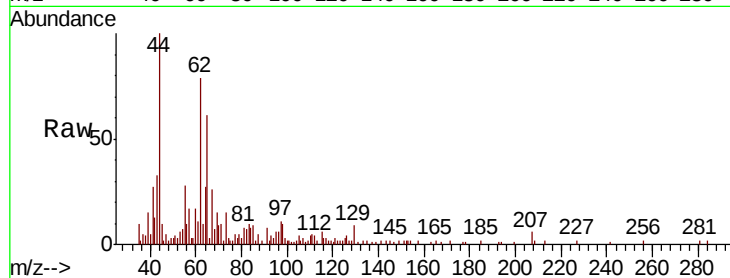
VSTD00165

Tot Ion: 62 Resp: 7725

Ion Ratio Lower Upper

62 100

64 34.2 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

6000

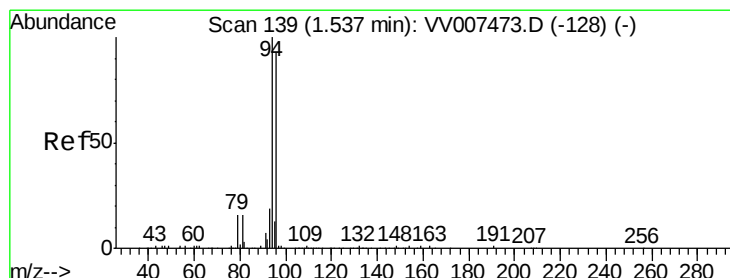
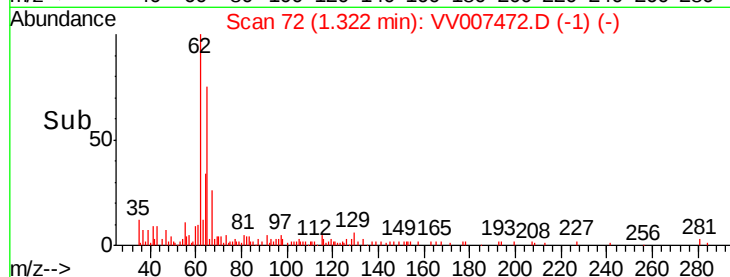
4000

2000

0

Time-->

1.25 1.30 1.35 1.40 1.45



#6

Bromomethane

Concen: 0.921 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV007472.D

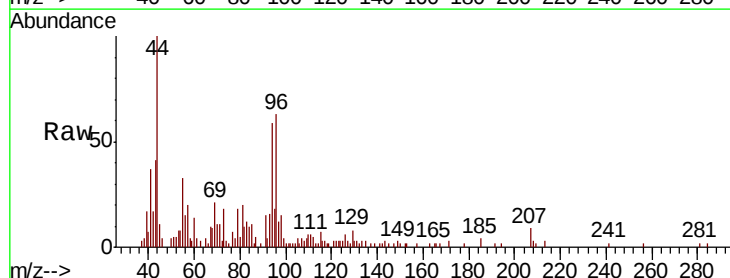
Acq: 12 Sep 2018 12:14

Tgt Ion: 94 Resp: 4441

Ion Ratio Lower Upper

94 100

96 107.2 66.3 123.1



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.54

5000

4000

3000

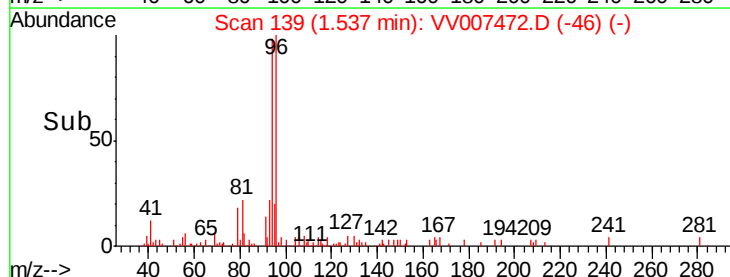
2000

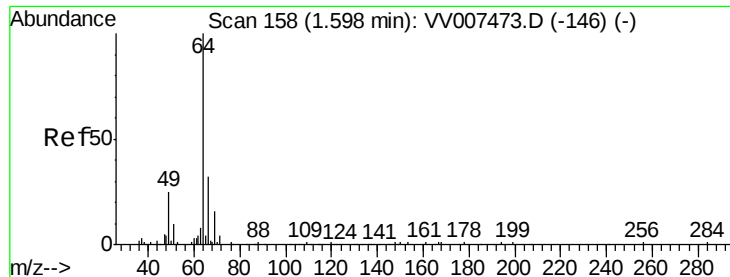
1000

0

Time-->

1.50 1.55 1.60





#8

Chloroethane

Concen: 0.981 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV007472.D

Acq: 12 Sep 2018 12:14

Instrument :

MSVOA_V

ClientSampleId :

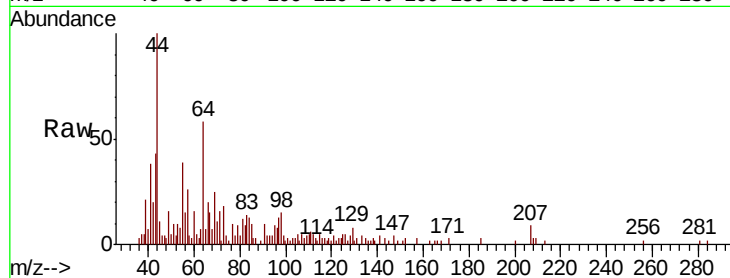
VSTD00165

Tot Ion: 64 Resp: 4244

Ion Ratio Lower Upper

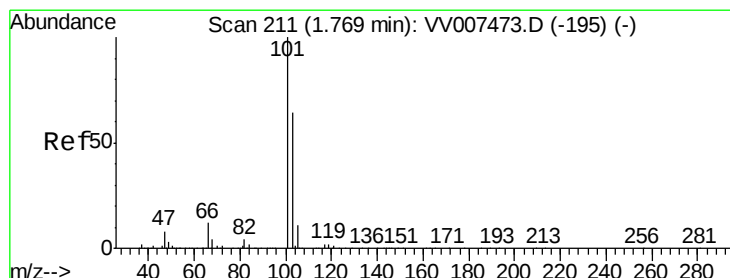
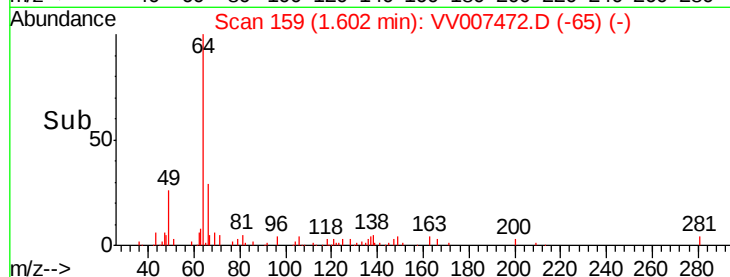
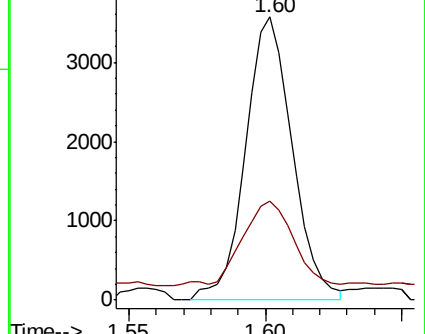
64 100

66 35.0 23.5 43.7



Abundance Ion 64.10 (63.80 to 64.80): VV007473.D (-146) (-)

Ion 66.05 (65.75 to 66.75): VV007473.D (-146) (-)



#9

Trichlorofluoromethane

Concen: 0.986 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV007472.D

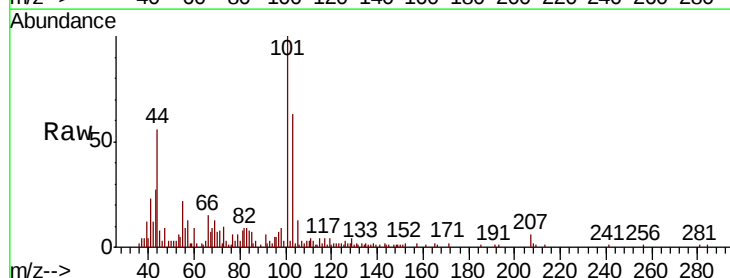
Acq: 12 Sep 2018 12:14

Tgt Ion: 101 Resp: 12504

Ion Ratio Lower Upper

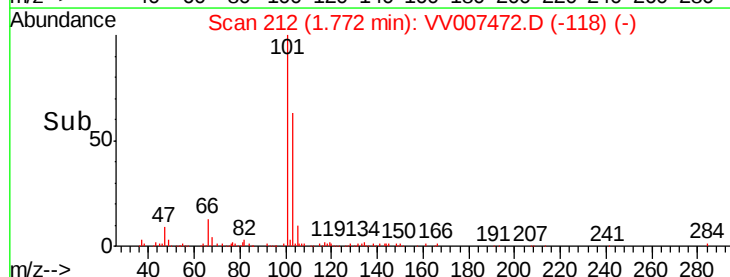
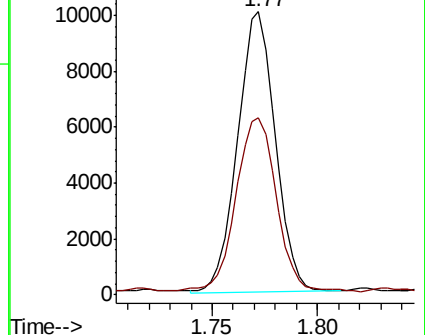
101 100

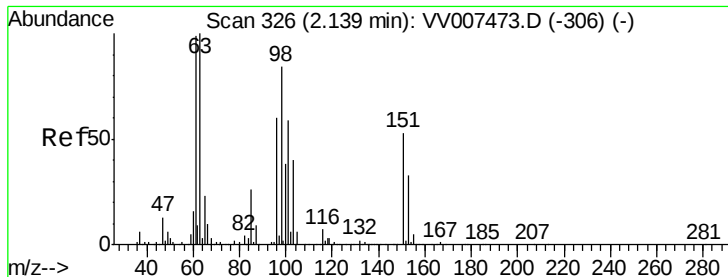
103 65.9 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): VV007473.D (-195) (-)

Ion 103.00 (102.70 to 103.70): VV007473.D (-195) (-)





#10

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

Concen: 0.982 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV007472.D

Acq: 12 Sep 2018 12:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD00165

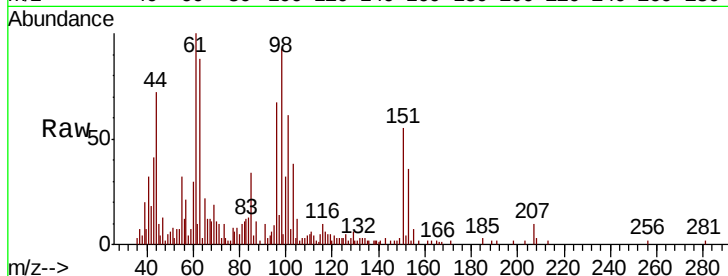
Tot Ion:101 Resp: 7116

Ion Ratio Lower Upper

101 100

85 43.5 34.5 51.7

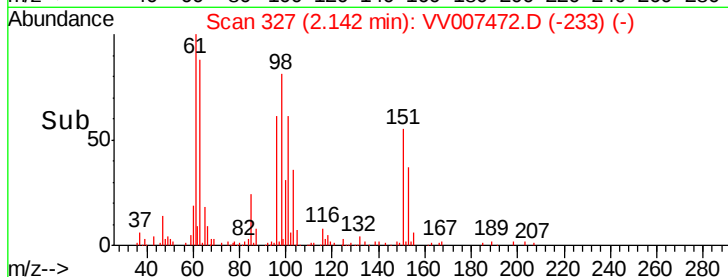
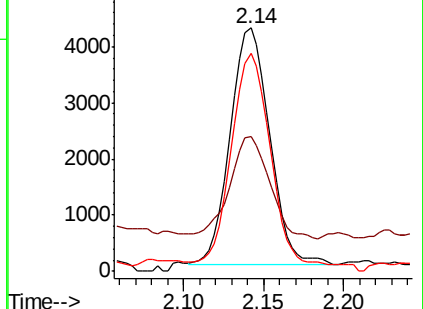
151 85.6 71.4 107.0



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: 0.967 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV007472.D

Acq: 12 Sep 2018 12:14

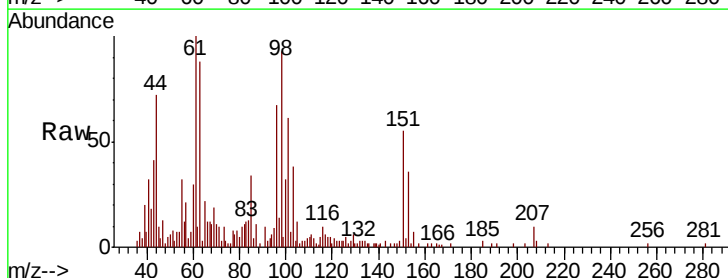
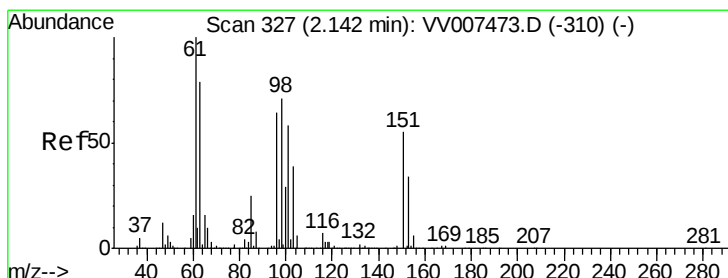
Tgt Ion: 96 Resp: 6184

Ion Ratio Lower Upper

96 100

61 150.1 108.0 200.6

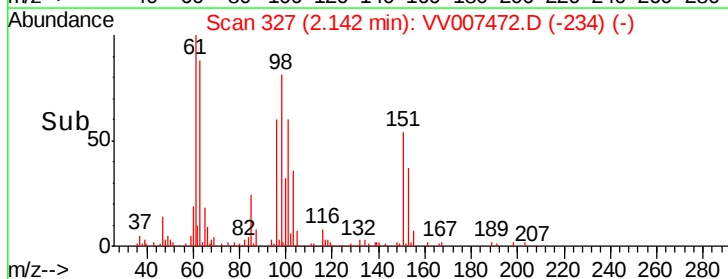
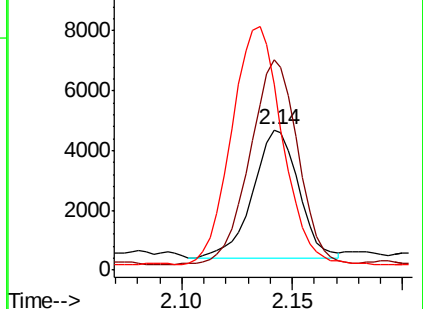
63 132.8 85.7 159.1

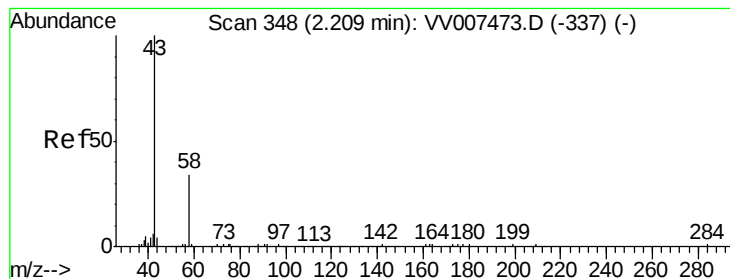


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 8.818 ug/L

RT: 2.21 min Scan# 349

Delta R.T. 0.00 min

Lab File: VV007472.D

Acq: 12 Sep 2018 12:14

Instrument :

MSVOA_V

ClientSampleId :

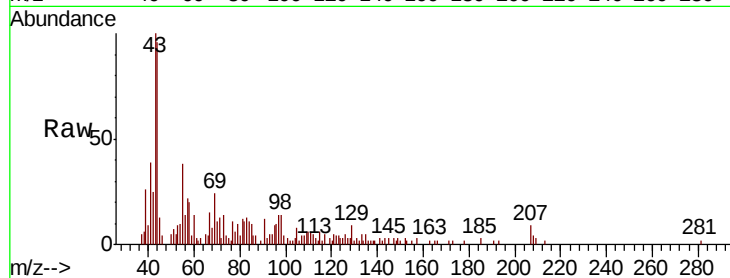
VSTD00165

Tot Ion: 43 Resp: 7348

Ion Ratio Lower Upper

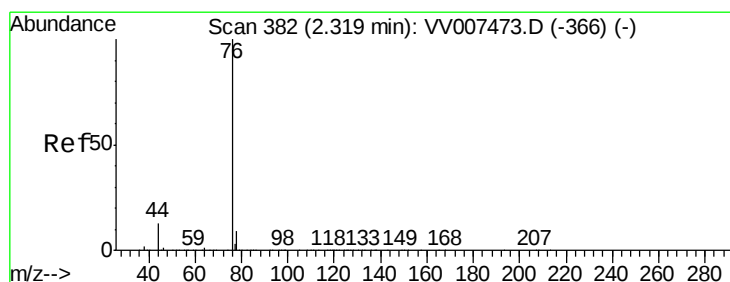
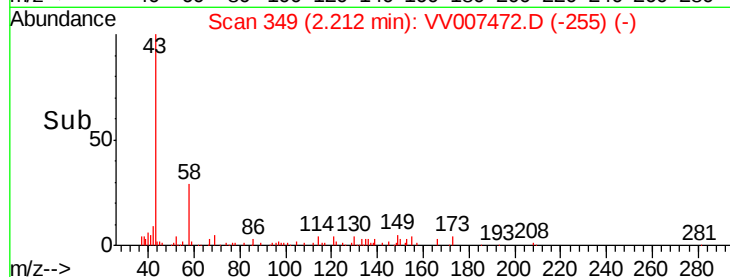
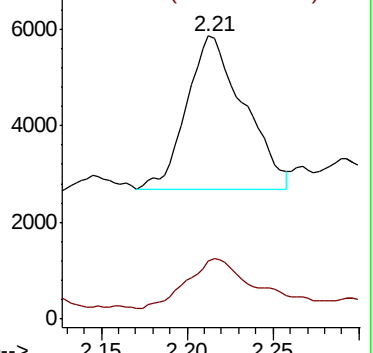
43 100

58 40.3 0.0 65.4



Abundance Ion 43.05 (42.75 to 43.75): VV007473.D (-337) (-)

Ion 58.05 (57.75 to 58.75): VV007473.D (-337) (-)



#14

Carbon disulfide

Concen: 0.990 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV007472.D

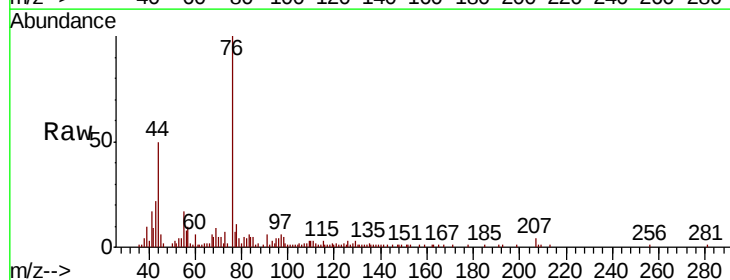
Acq: 12 Sep 2018 12:14

Tgt Ion: 76 Resp: 19362

Ion Ratio Lower Upper

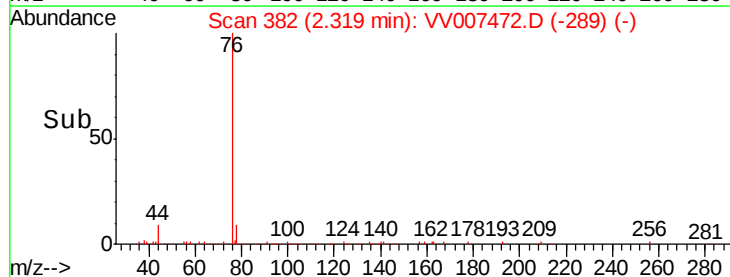
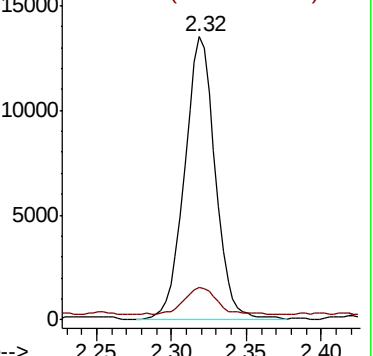
76 100

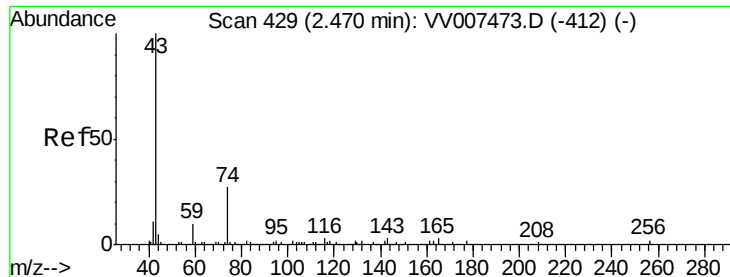
78 11.3 7.6 11.4



Abundance Ion 76.05 (75.75 to 76.75): VV007473.D (-366) (-)

Ion 78.00 (77.70 to 78.70): VV007473.D (-366) (-)

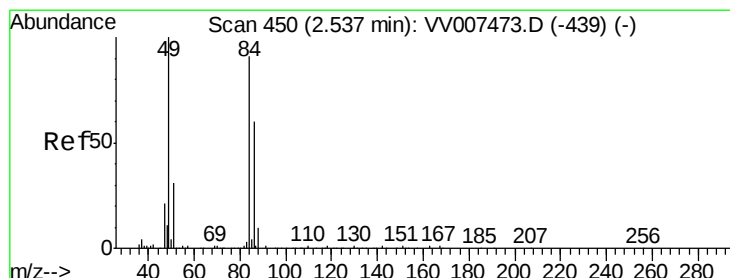
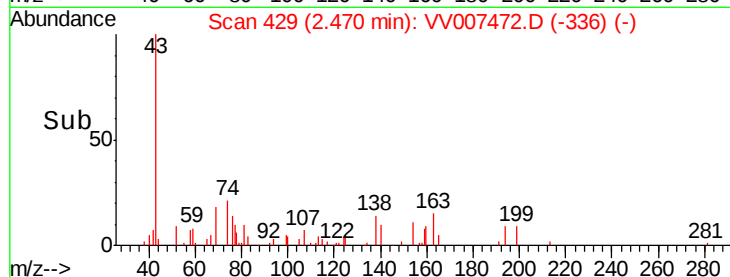
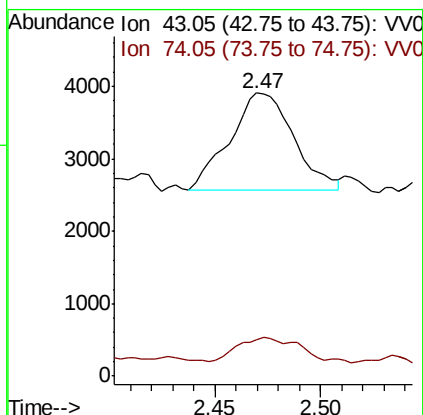
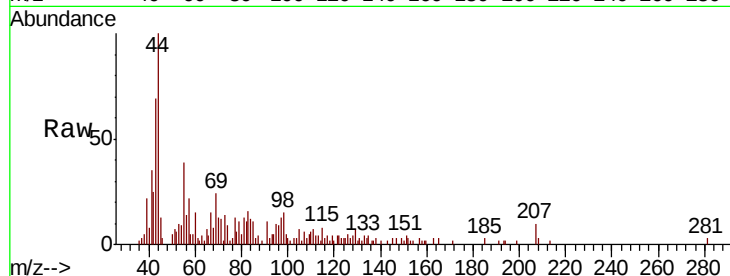




#15
Methvl Acetate
Concen: 1.233 ug/L
RT: 2.47 min Scan# 429
Delta R.T. 0.00 min
Lab File: VV007472.D
Acq: 12 Sep 2018 12:14

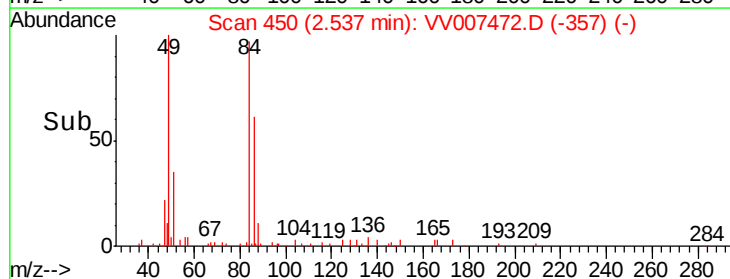
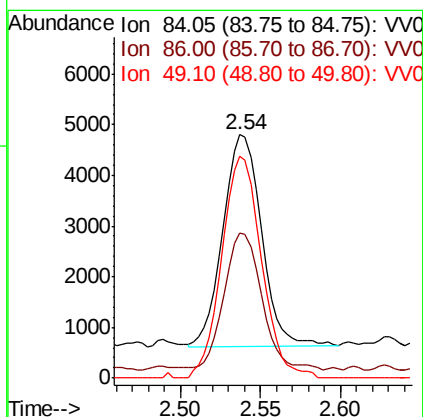
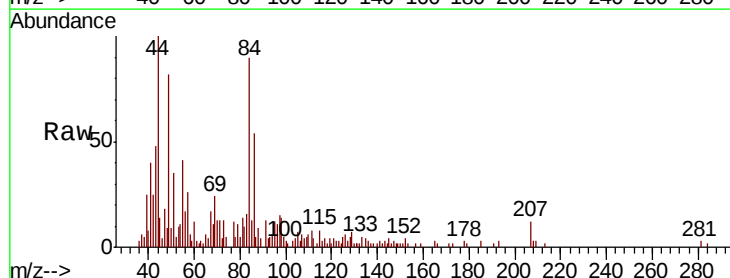
Instrument :
MSVOA_V
ClientSampleId :
VSTD00165

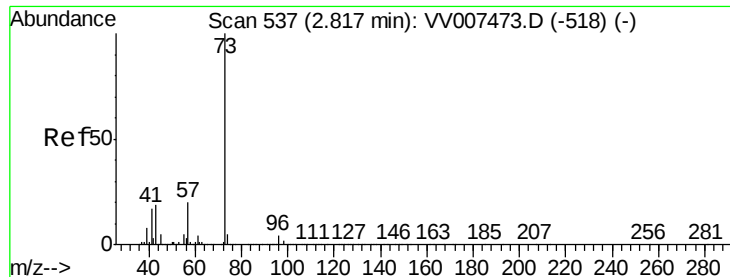
Tot Ion: 43 Resp: 2842
Ion Ratio Lower Upper
43 100
74 25.6 20.0 30.0



#16
Methylene chloride
Concen: 1.002 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV007472.D
Acq: 12 Sep 2018 12:14

Tgt Ion: 84 Resp: 6843
Ion Ratio Lower Upper
84 100
86 59.8 44.9 83.3
49 90.9 74.2 137.8

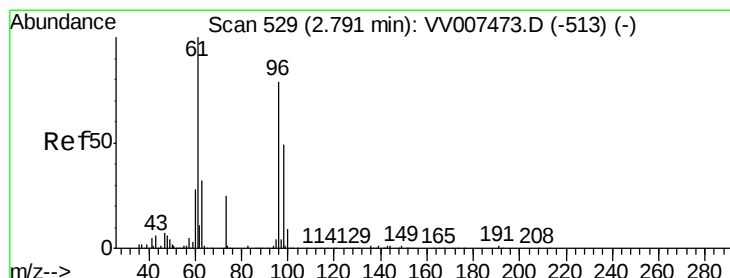
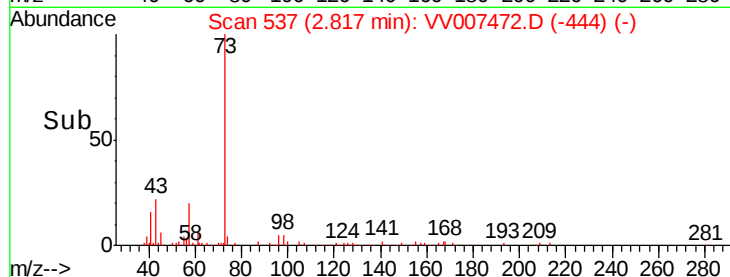
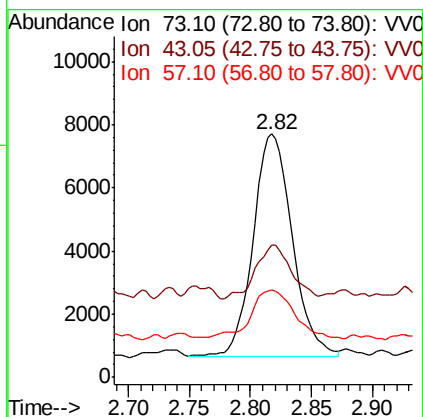
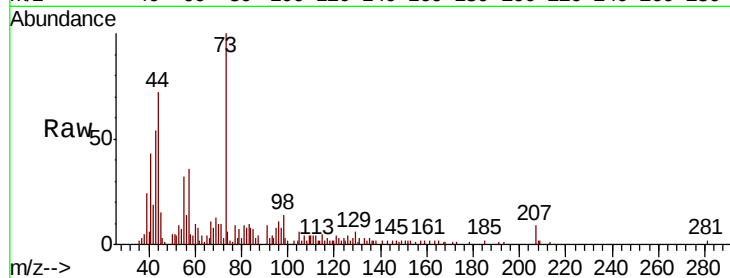




#17
Methvl tert-butvl Ether
Concen: 0.970 ug/L
RT: 2.82 min Scan# 537
Delta R.T. 0.00 min
Lab File: VV007472.D
Acq: 12 Sep 2018 12:14

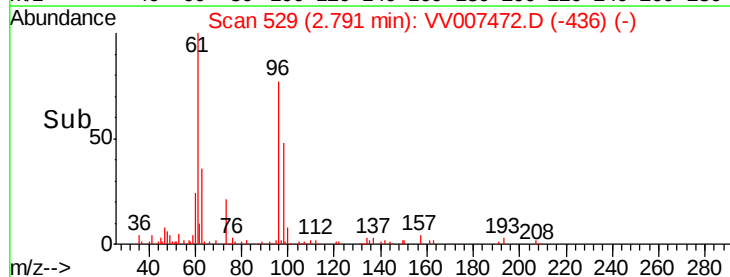
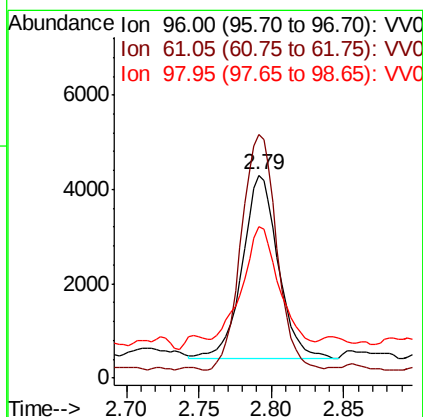
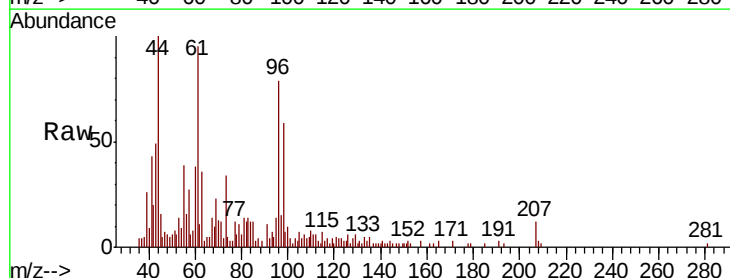
Instrument :
MSVOA_V
ClientSampleId :
VSTD00165

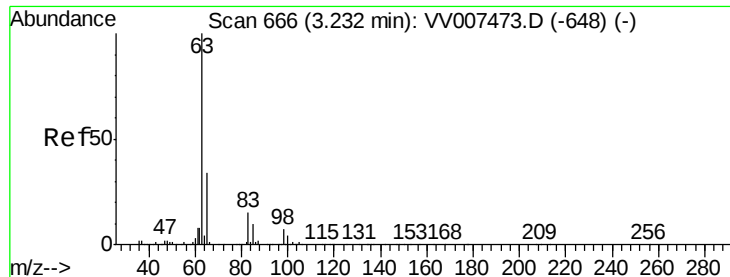
Tot Ion: 73 Resp: 15682
Ion Ratio Lower Upper
73 100
43 21.4 15.3 22.9
57 22.5 16.5 24.7



#18
trans-1,2-Dichloroethene
Concen: 0.968 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV007472.D
Acq: 12 Sep 2018 12:14

Tgt Ion: 96 Resp: 6619
Ion Ratio Lower Upper
96 100
61 120.2 87.6 162.6
98 75.0 45.7 84.9





#19

1,1-Dichloroethane

Concen: 0.942 ug/L

RT: 3.23 min Scan# 666

Delta R.T. 0.00 min

Lab File: VV007472.D

Acq: 12 Sep 2018 12:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD00165

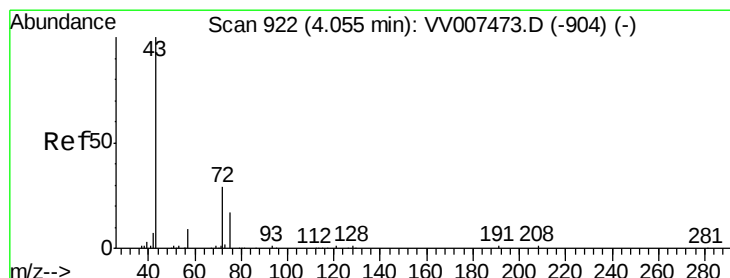
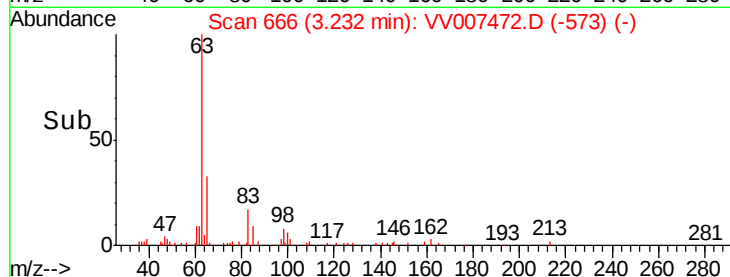
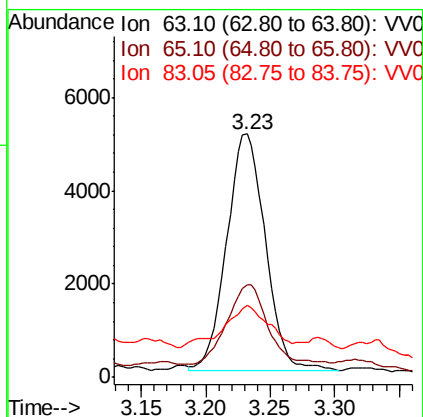
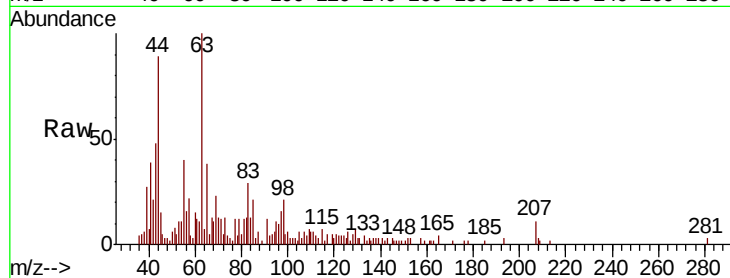
Tot Ion: 63 Resp: 10516

Ion Ratio Lower Upper

63 100

65 38.2 24.0 44.6

83 29.5 12.5 23.1#



#21

2-Butanone

Concen: 9.688 ug/L

RT: 4.06 min Scan# 924

Delta R.T. 0.01 min

Lab File: VV007472.D

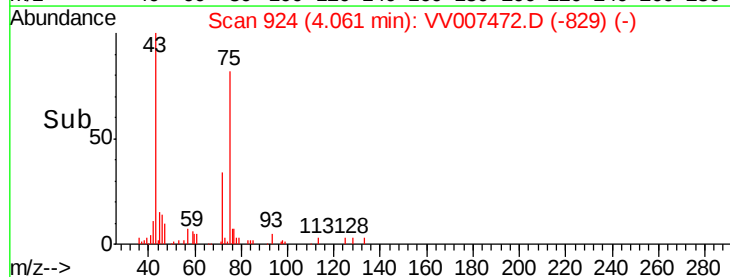
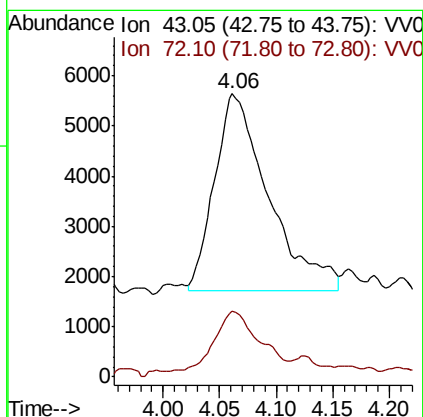
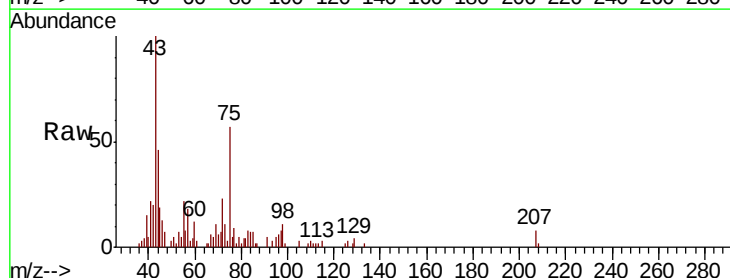
Acq: 12 Sep 2018 12:14

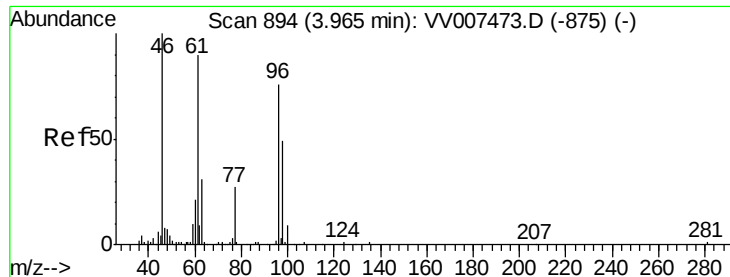
Tgt Ion: 43 Resp: 13121

Ion Ratio Lower Upper

43 100

72 25.7 14.8 44.4



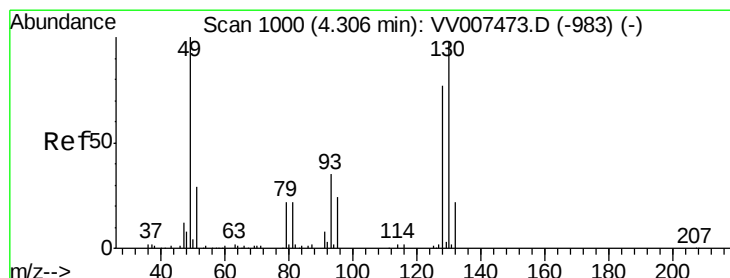
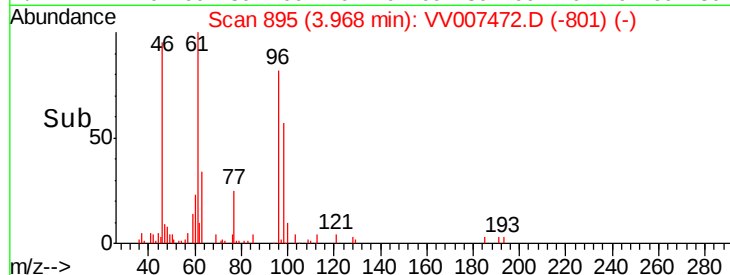
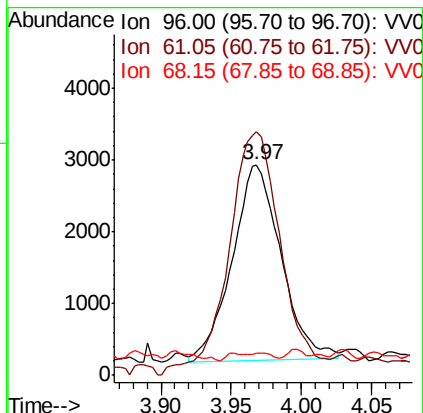
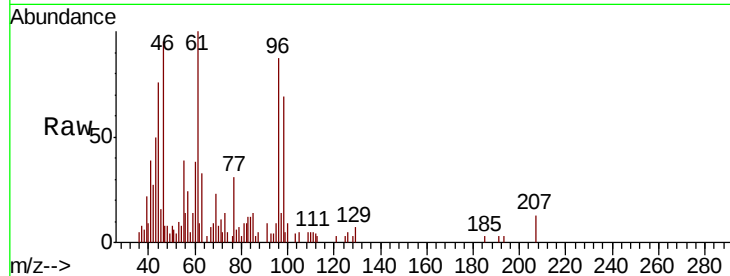


#22

cis-1,2-Dichloroethene
 Concen: 0.975 ug/L
 RT: 3.97 min Scan# 895
 Delta R.T. 0.00 min
 Lab File: VV007472.D
 Acq: 12 Sep 2018 12:14

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00165

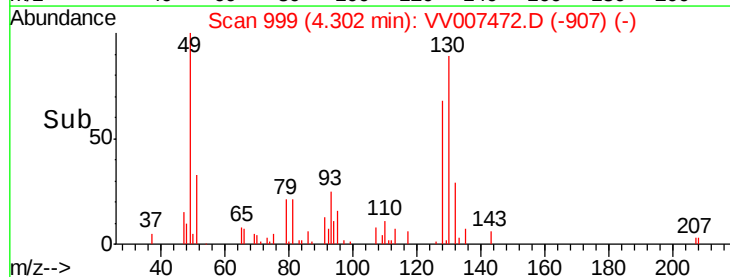
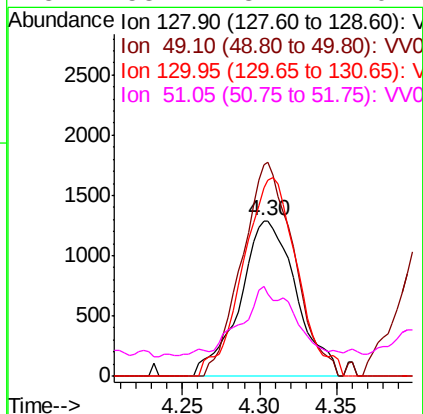
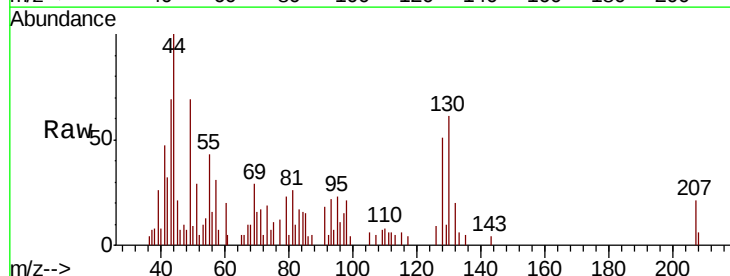
Tot Ion: 96 Resp: 6549
 Ion Ratio Lower Upper
 96 100
 61 115.4 82.6 153.4
 68 10.4 1.2 2.2#

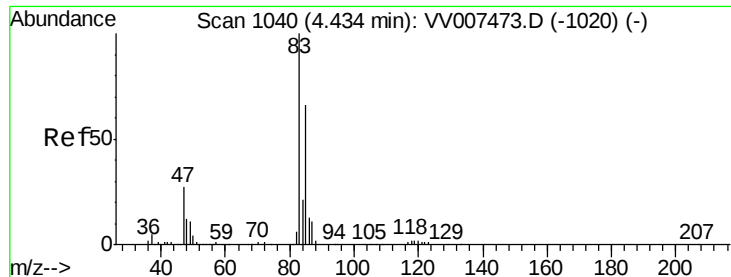


#23

Bromochloromethane
 Concen: 1.012 ug/L
 RT: 4.30 min Scan# 999
 Delta R.T. -0.00 min
 Lab File: VV007472.D
 Acq: 12 Sep 2018 12:14

Tgt Ion: 128 Resp: 3252
 Ion Ratio Lower Upper
 128 100
 49 136.0 91.1 169.1
 130 121.1 89.5 166.1
 51 58.2 32.7 49.1#





#25

Chloroform

Concen: 0.999 ug/L

RT: 4.43 min Scan# 1039

Delta R.T. -0.00 min

Lab File: VV007472.D

Acq: 12 Sep 2018 12:14

Instrument :

MSVOA_V

ClientSampleId :

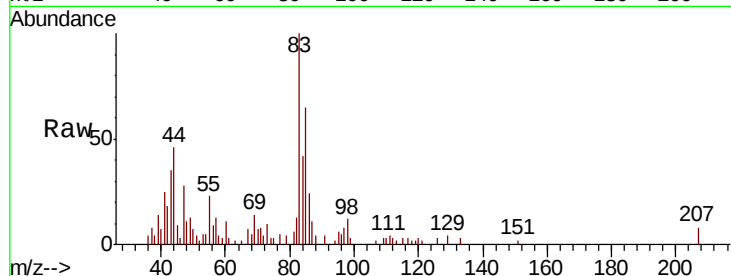
VSTD00165

Tot Ion: 83 Resp: 11494

Ion Ratio Lower Upper

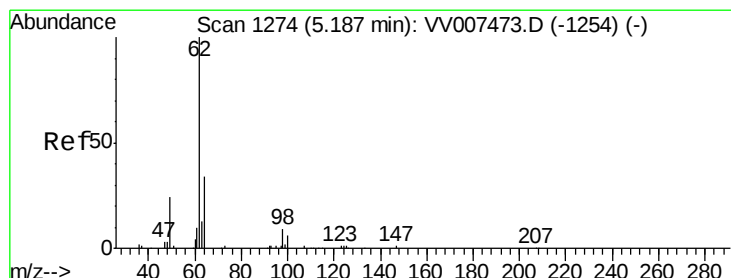
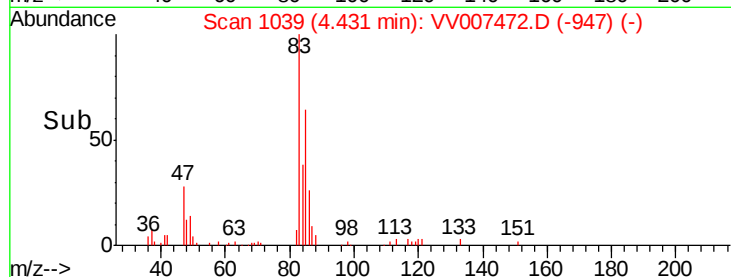
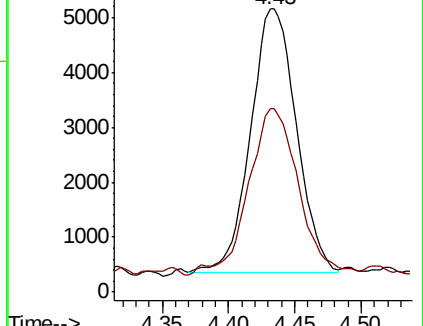
83 100

85 65.1 46.6 86.6



Abundance Ion 83.05 (82.75 to 83.75): VV007473.D (-1020) (-)

Ion 85.00 (84.70 to 85.70): VV007473.D (-1020) (-)



#27

1,2-Dichloroethane

Concen: 1.022 ug/L

RT: 5.19 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VV007472.D

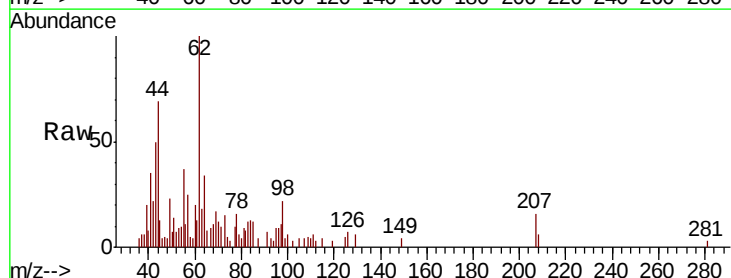
Acq: 12 Sep 2018 12:14

Tgt Ion: 62 Resp: 7362

Ion Ratio Lower Upper

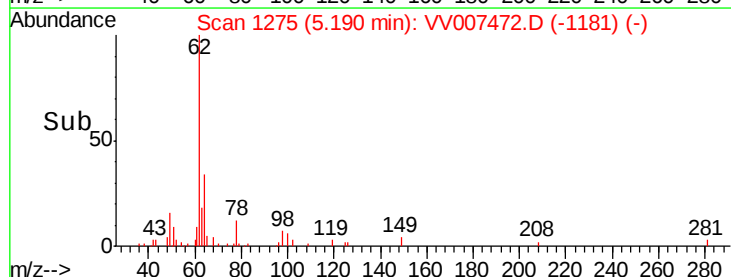
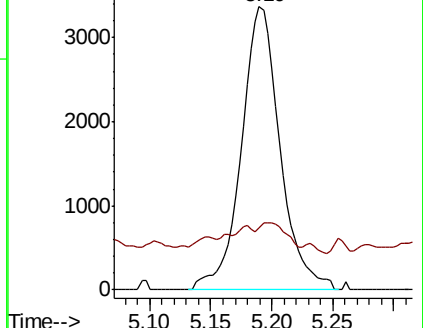
62 100

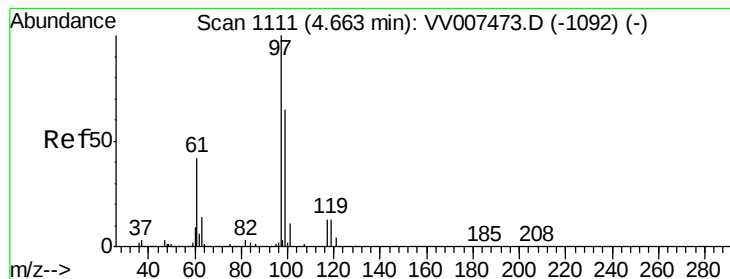
98 21.9 9.5 14.3#



Abundance Ion 62.00 (61.70 to 62.70): VV007473.D (-1254) (-)

Ion 98.05 (97.75 to 98.75): VV007473.D (-1254) (-)





#29

1,1,1-Trichloroethane

Concen: 1.041 ug/L

RT: 4.66 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VV007472.D

Acq: 12 Sep 2018 12:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD00165

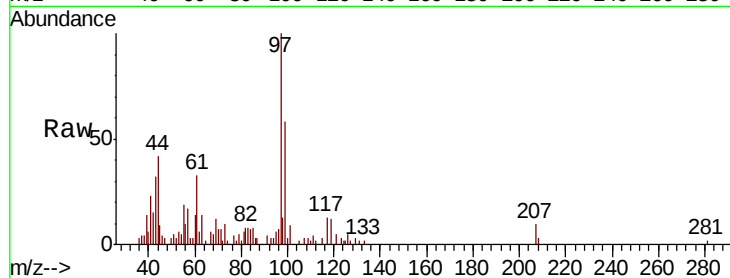
Tot Ion: 97 Resp: 11746

Ion Ratio Lower Upper

97 100

99 61.8 51.2 76.8

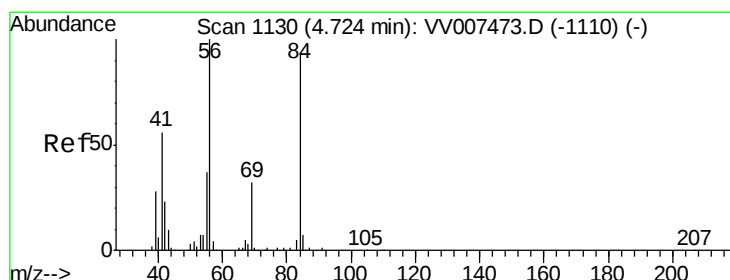
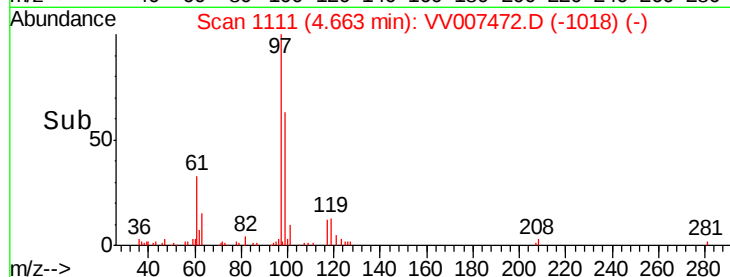
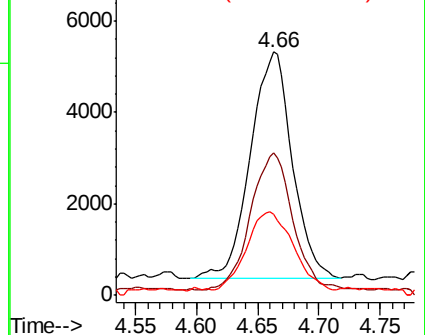
61 38.1 33.4 50.2



Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0



#30

Cyclohexane

Concen: 1.070 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VV007472.D

Acq: 12 Sep 2018 12:14

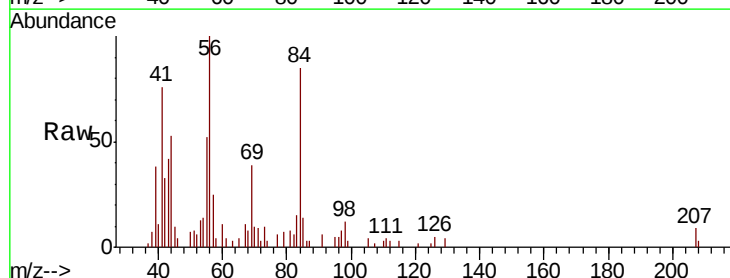
Tgt Ion: 56 Resp: 10697

Ion Ratio Lower Upper

56 100

69 32.5 26.6 39.8

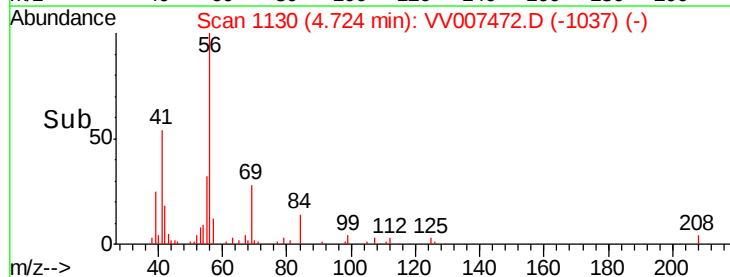
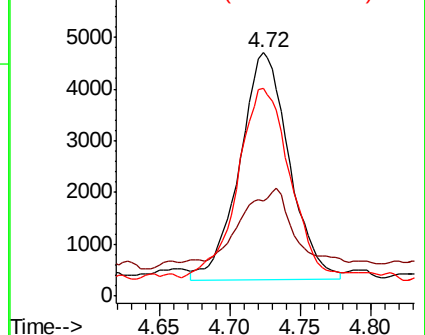
84 87.8 73.8 110.8

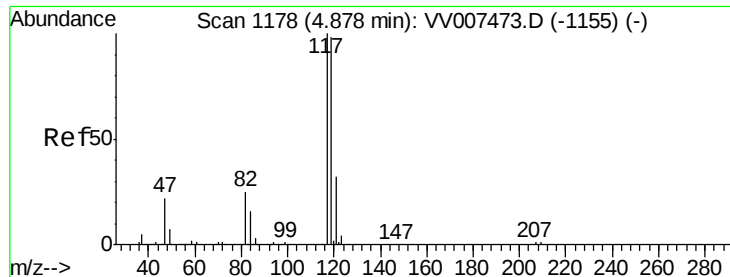


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0



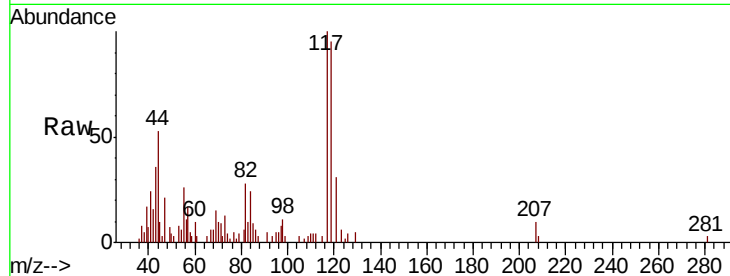


#31

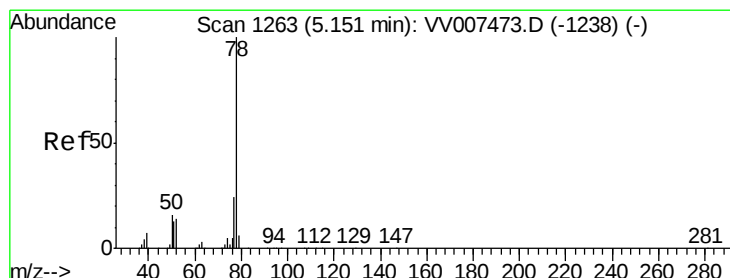
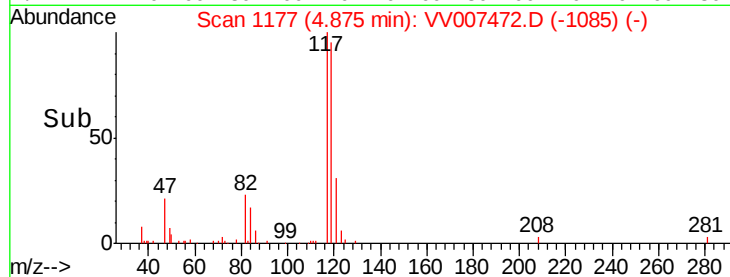
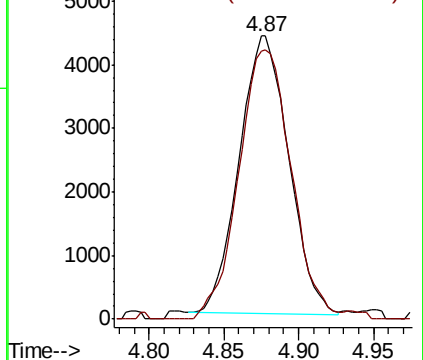
Carbon tetrachloride
 Concen: 0.970 ug/L
 RT: 4.87 min Scan# 1177
 Delta R.T. -0.00 min
 Lab File: VV007472.D
 Acq: 12 Sep 2018 12:14

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00165

Tot Ion:117 Resp: 10095
 Ion Ratio Lower Upper
 117 100
 119 102.5 77.4 116.2



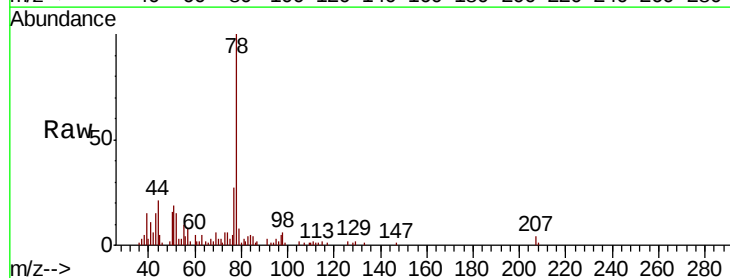
Abundance Ion 116.90 (116.60 to 117.60): V
 Ion 118.90 (118.60 to 119.60): V



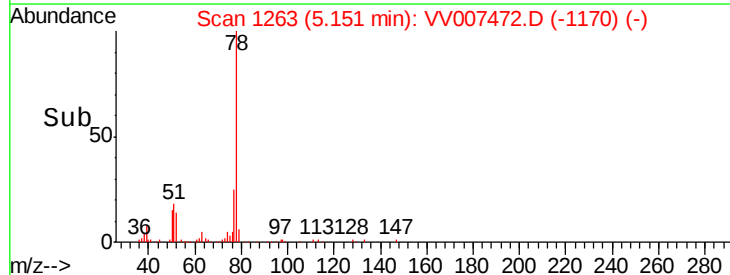
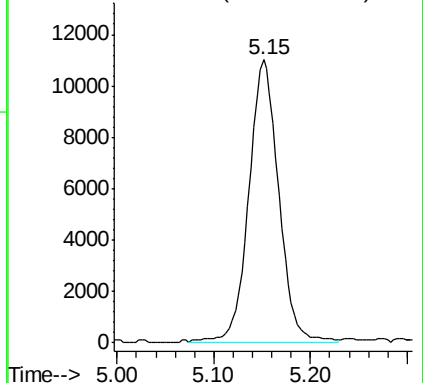
#33

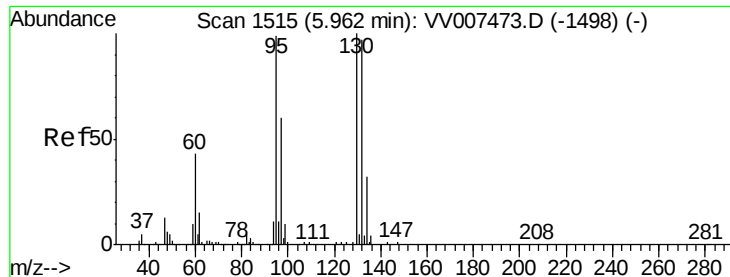
Benzene
 Concen: 0.998 ug/L
 RT: 5.15 min Scan# 1263
 Delta R.T. 0.00 min
 Lab File: VV007472.D
 Acq: 12 Sep 2018 12:14

Tgt Ion: 78 Resp: 23823



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 1.046 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.00 min

Lab File: VV007472.D

Acq: 12 Sep 2018 12:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD00165

Tot Ion: 95 Resp: 7527

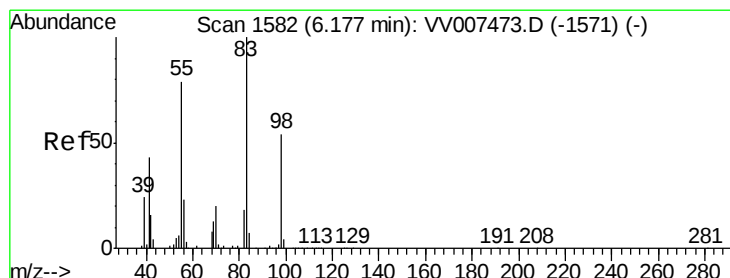
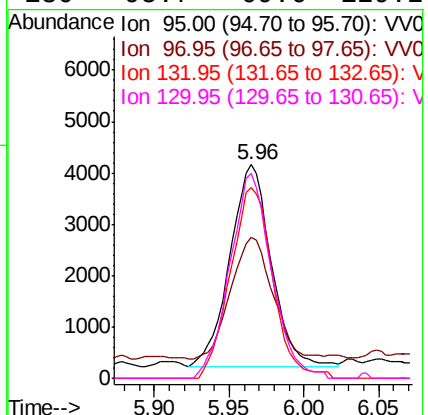
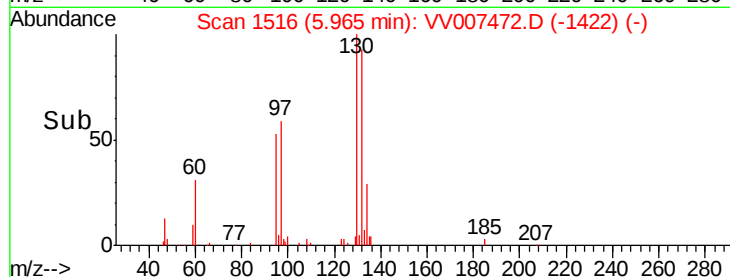
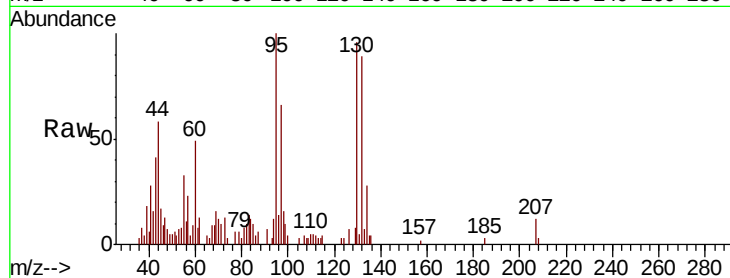
Ion Ratio Lower Upper

95 100

97 65.9 42.8 79.4

132 89.3 67.6 125.6

130 95.7 69.6 129.2



#35

Methylcyclohexane

Concen: 0.979 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VV007472.D

Acq: 12 Sep 2018 12:14

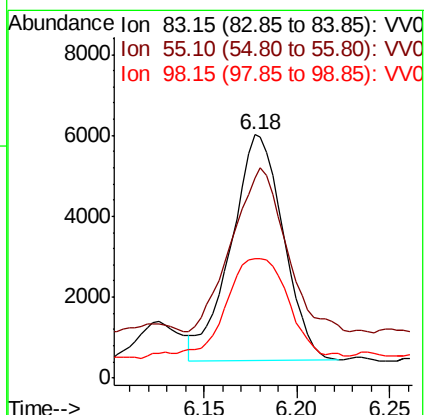
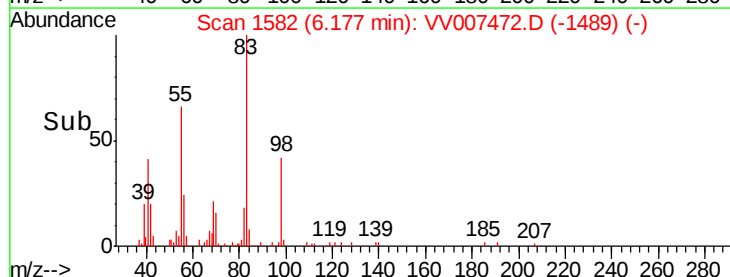
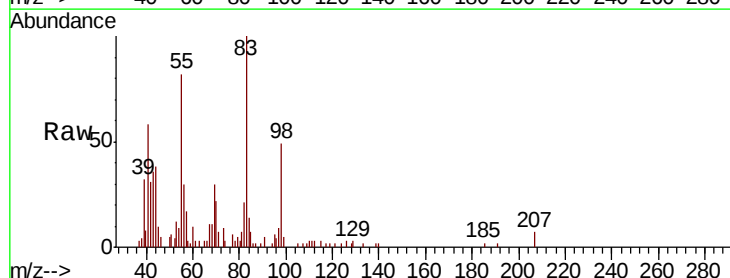
Tgt Ion: 83 Resp: 10928

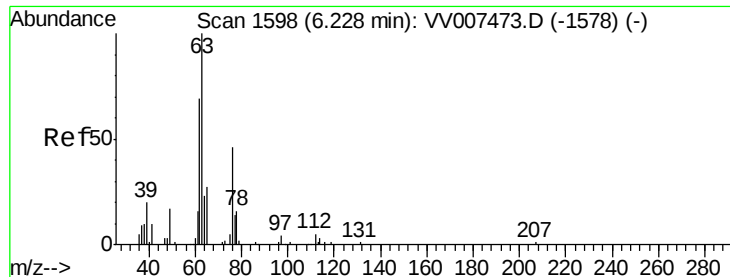
Ion Ratio Lower Upper

83 100

55 74.7 57.4 86.0

98 54.0 38.8 58.2





#37

1,2-Dichloropropane

Concen: 1.065 ug/L

RT: 6.23 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VV007472.D

Acq: 12 Sep 2018 12:14

Instrument :

MSVOA_V

ClientSampleId :

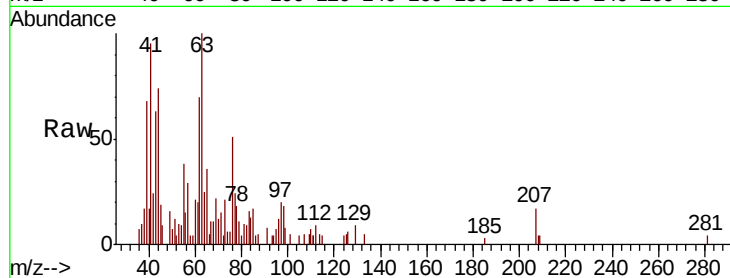
VSTD00165

Tot Ion: 63 Resp: 6439

Ion Ratio Lower Upper

63 100

112 4.0 3.7 5.5



Abundance Ion 63.10 (62.80 to 63.80): VV007472.D (-1578) (-)

Ion 112.10 (111.80 to 112.80): VV007472.D (-1578) (-)

6.23

3000

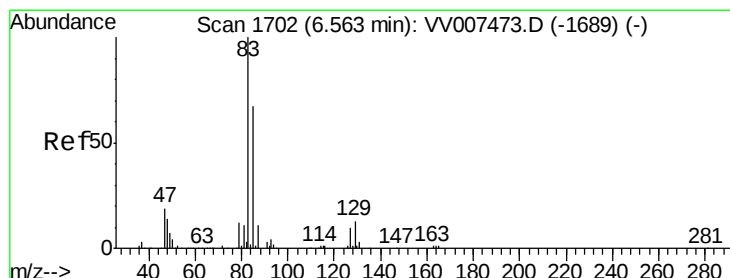
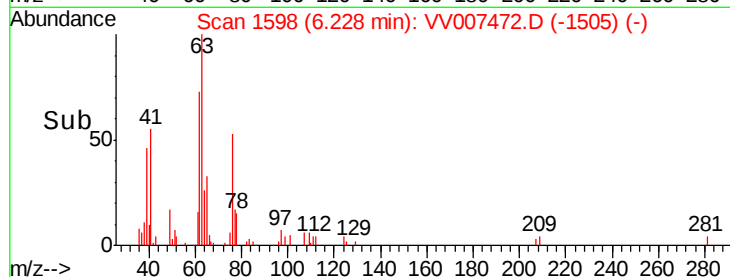
2000

1000

0

6.15 6.20 6.25 6.30

Time-->



#38

Bromodichloromethane

Concen: 0.949 ug/L

RT: 6.56 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VV007472.D

Acq: 12 Sep 2018 12:14

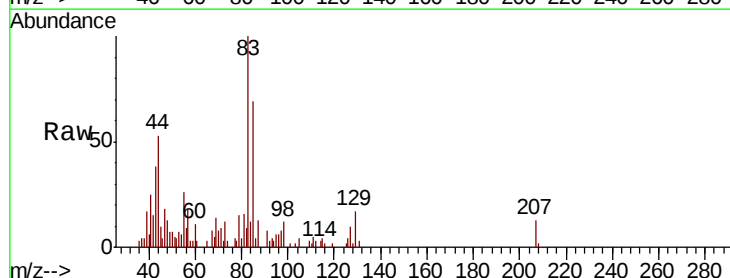
Tgt Ion: 83 Resp: 8115

Ion Ratio Lower Upper

83 100

85 69.2 47.0 87.2

127 9.8 7.8 11.6



Abundance Ion 82.95 (82.65 to 83.65): VV007472.D (-1689) (-)

Ion 85.00 (84.70 to 85.70): VV007472.D (-1689) (-)

Ion 126.90 (126.60 to 127.60): VV007472.D (-1689) (-)

6.56

6000

5000

4000

3000

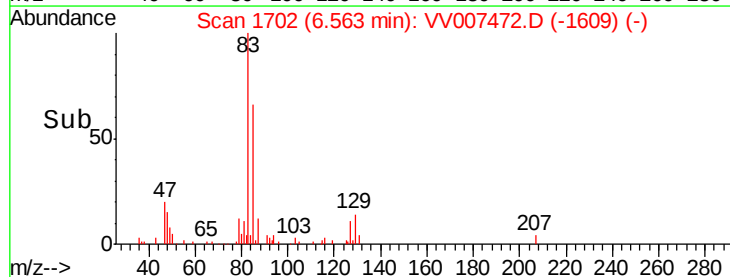
2000

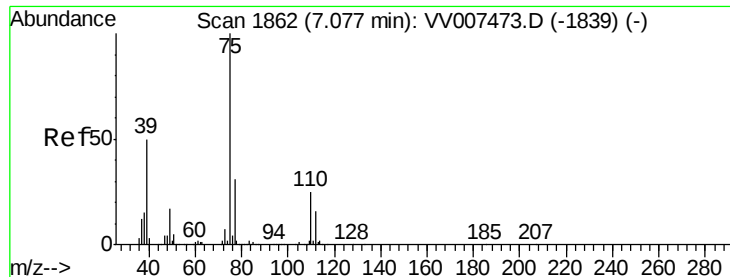
1000

0

6.50 6.55 6.60

Time-->



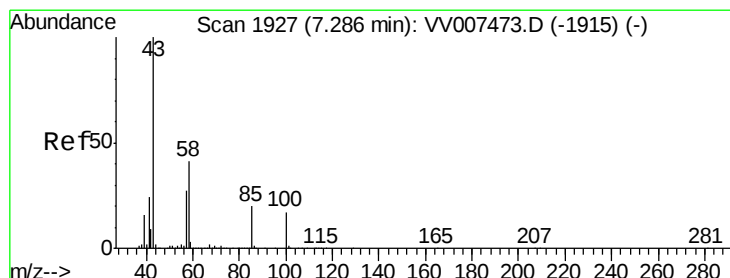
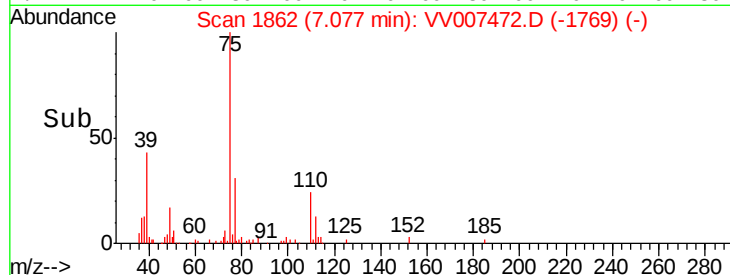
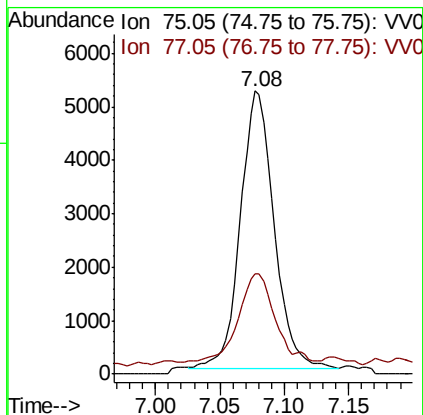
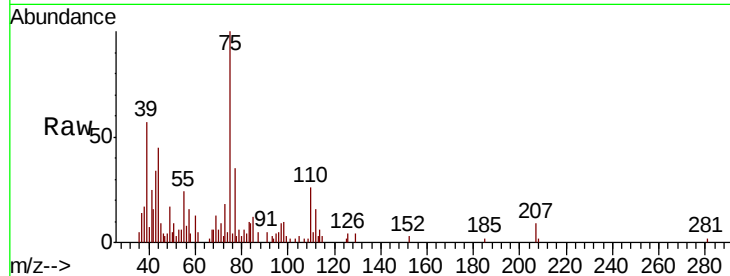


#39

cis-1,3-Dichloropropene
 Concen: 0.962 ug/L
 RT: 7.08 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VV007472.D
 Acq: 12 Sep 2018 12:14

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00165

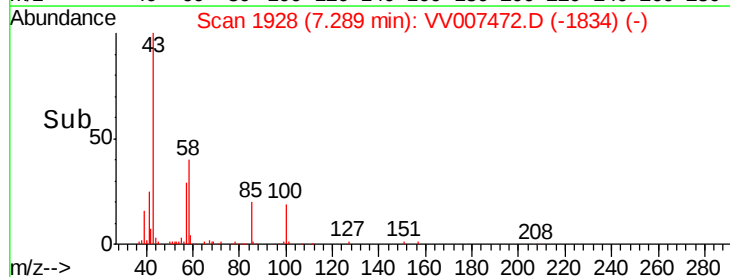
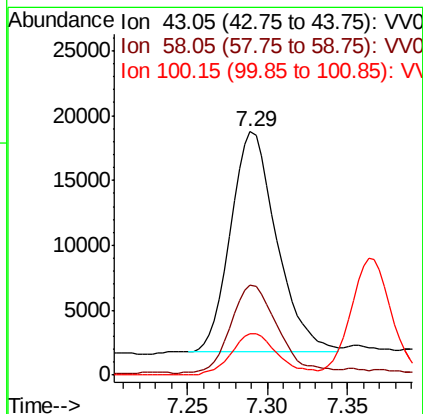
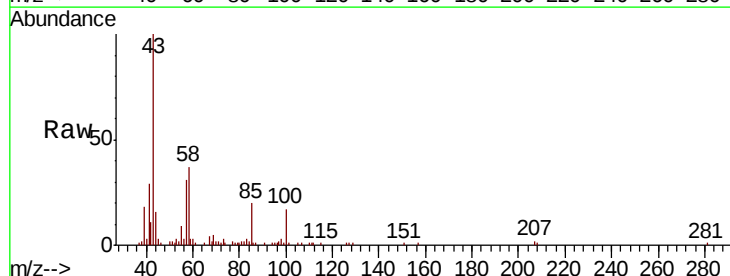
Tot Ion: 75 Resp: 9358
 Ion Ratio Lower Upper
 75 100
 77 35.4 22.7 42.1

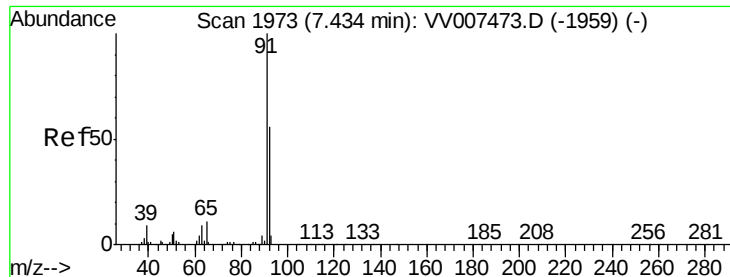


#40

4-Methyl-2-pentanone
 Concen: 9.668 ug/L
 RT: 7.29 min Scan# 1928
 Delta R.T. 0.00 min
 Lab File: VV007472.D
 Acq: 12 Sep 2018 12:14

Tgt Ion: 43 Resp: 33284
 Ion Ratio Lower Upper
 43 100
 58 40.8 32.2 48.2
 100 19.1 13.6 20.4





#42

Toluene

Concen: 0.955 ug/L

RT: 7.44 min Scan# 1974

Delta R.T. 0.00 min

Lab File: VV007472.D

Acq: 12 Sep 2018 12:14

Instrument :

MSVOA_V

ClientSampleId :

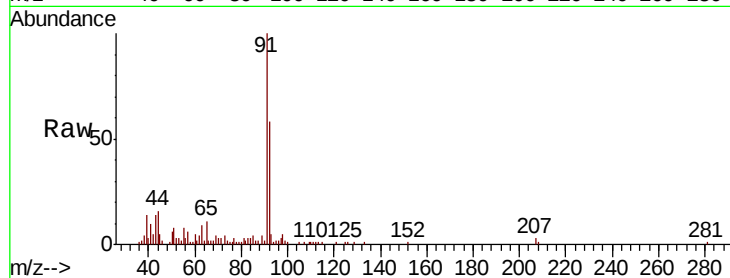
VSTD00165

Tot Ion: 91 Resp: 25234

Ion Ratio Lower Upper

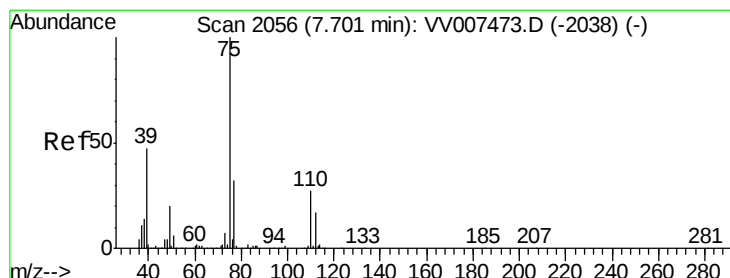
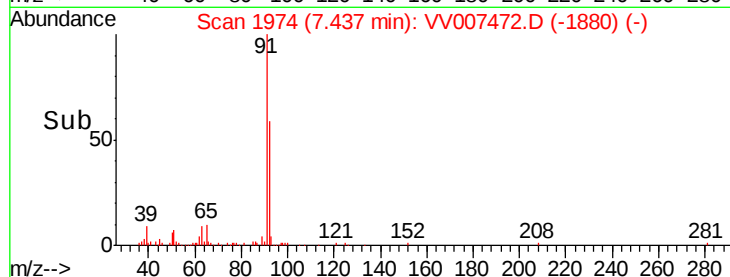
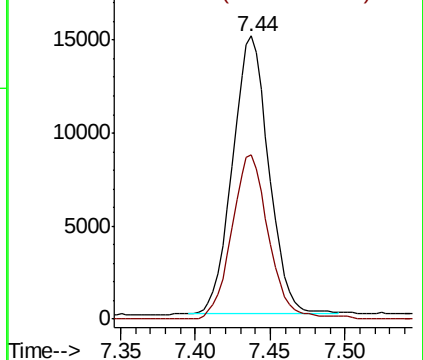
91 100

92 57.8 38.9 72.2



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 1.031 ug/L

RT: 7.70 min Scan# 2056

Delta R.T. 0.00 min

Lab File: VV007472.D

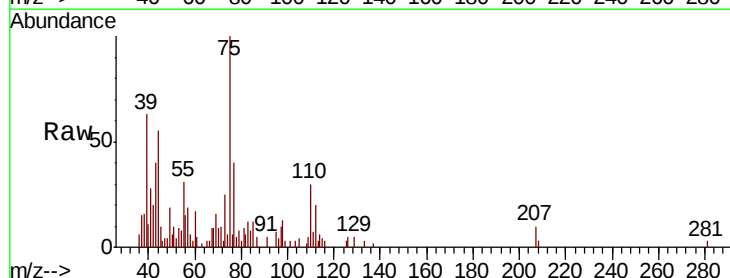
Acq: 12 Sep 2018 12:14

Tgt Ion: 75 Resp: 8416

Ion Ratio Lower Upper

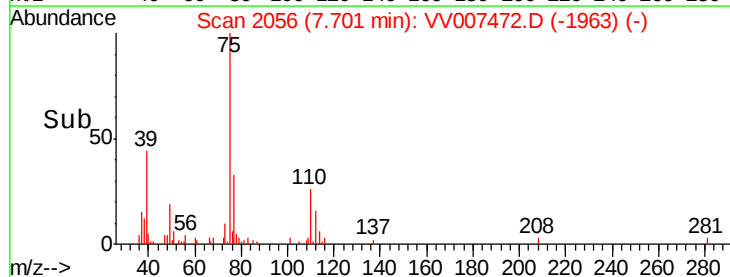
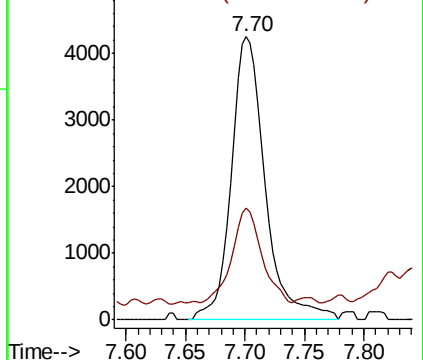
75 100

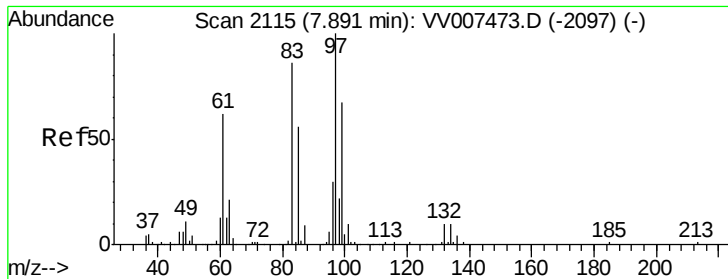
77 39.6 23.0 42.8



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

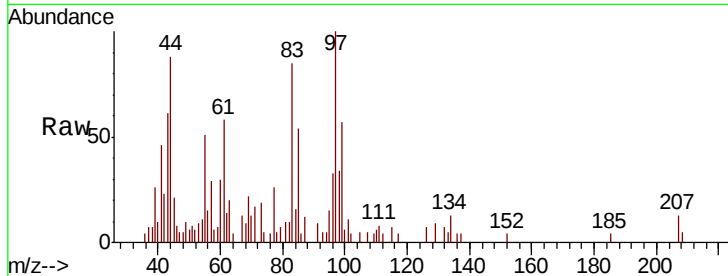




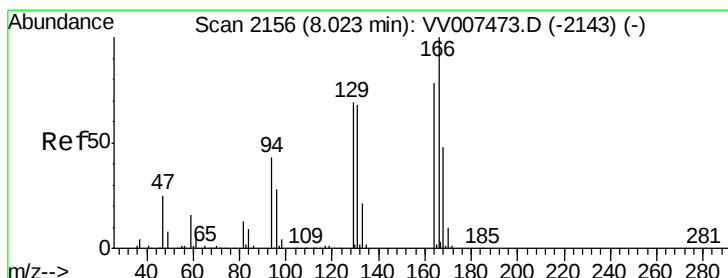
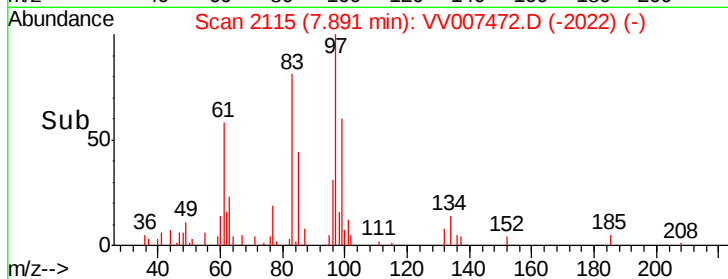
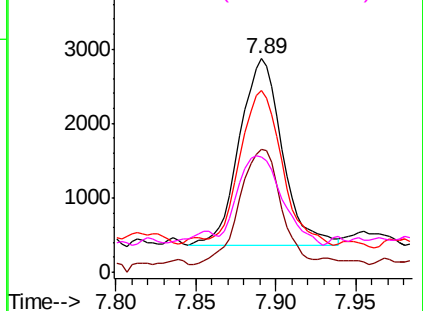
#45
 1,1,2-Trichloroethane
 Concen: 1.005 ug/L
 RT: 7.89 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VV007472.D
 Acq: 12 Sep 2018 12:14

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00165

Tot Ion:	97	Resp:	4599
Ion	Ratio	Lower	Upper
97	100		
99	57.5	46.2	85.8
83	85.1	60.5	112.3
85	54.0	40.2	74.6

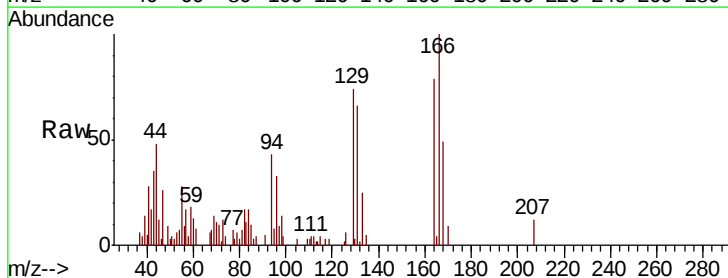


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

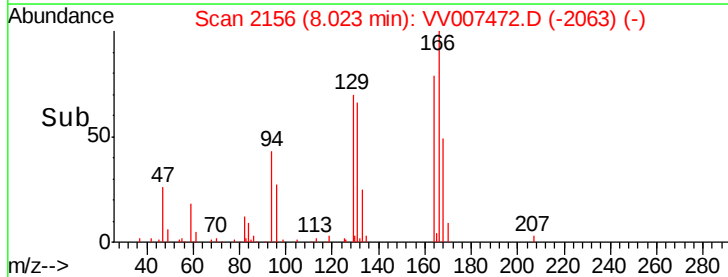
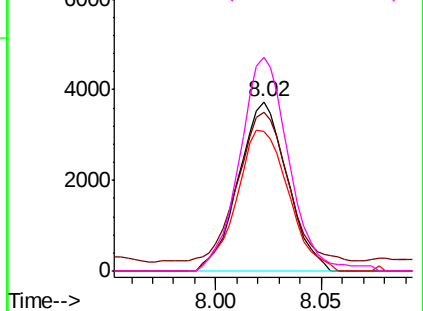


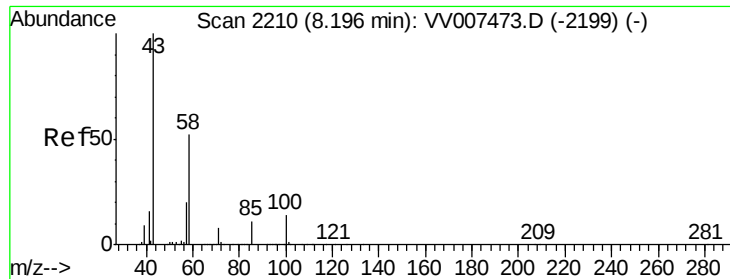
#47
 Tetrachloroethene
 Concen: 0.974 ug/L
 RT: 8.02 min Scan# 2156
 Delta R.T. 0.00 min
 Lab File: VV007472.D
 Acq: 12 Sep 2018 12:14

Tgt Ion:	164	Resp:	5999
Ion	Ratio	Lower	Upper
164	100		
129	93.6	62.7	116.5
131	82.8	60.5	112.5
166	126.2	89.7	166.5



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

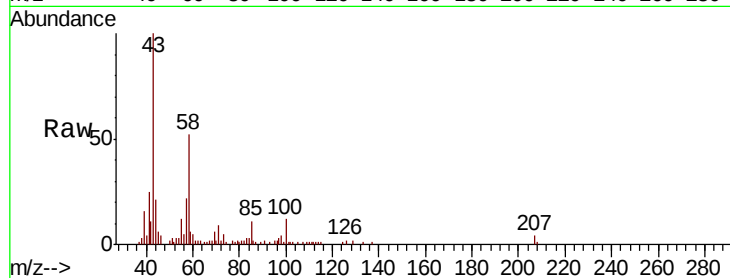




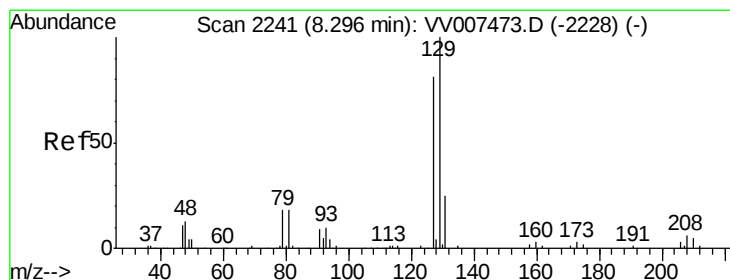
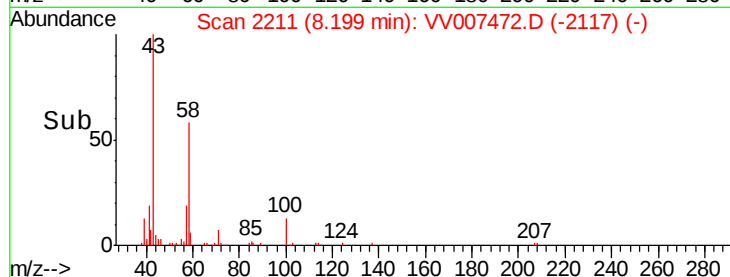
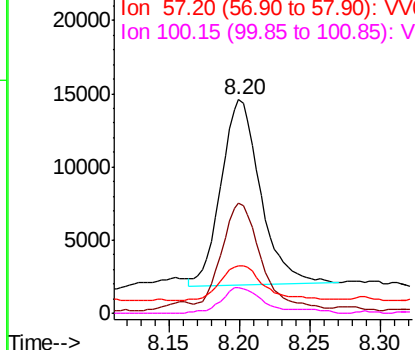
#48
2-Hexanone
Concen: 9.889 ug/L
RT: 8.20 min Scan# 2211
Delta R.T. 0.00 min
Lab File: VV007472.D
Acq: 12 Sep 2018 12:14

Instrument :
MSVOA_V
ClientSampleId :
VSTD00165

Tot Ion:	43	Resp:	24782
Ion	Ratio	Lower	Upper
43	100		
58	58.7	47.9	71.9
57	21.2	16.2	24.2
100	15.5	11.0	16.4

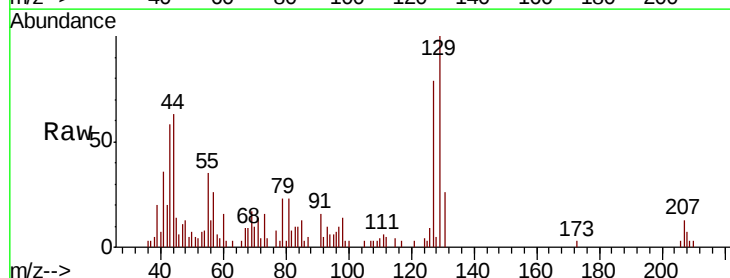


Abundance Ion 43.05 (42.75 to 43.75): VV007472.D (-2199) (-)
Ion 58.05 (57.75 to 58.75): VV007472.D (-2199) (-)
Ion 57.20 (56.90 to 57.90): VV007472.D (-2199) (-)
Ion 100.15 (99.85 to 100.85): VV007472.D (-2199) (-)

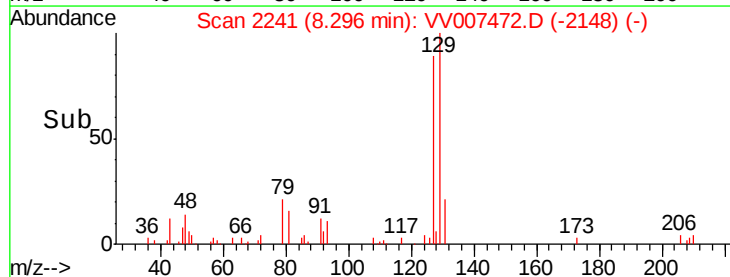
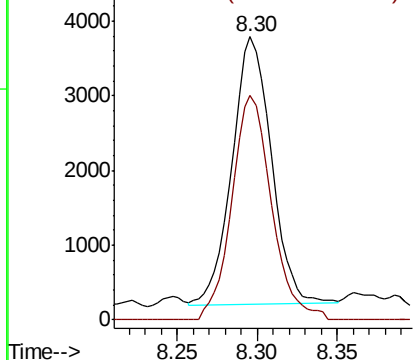


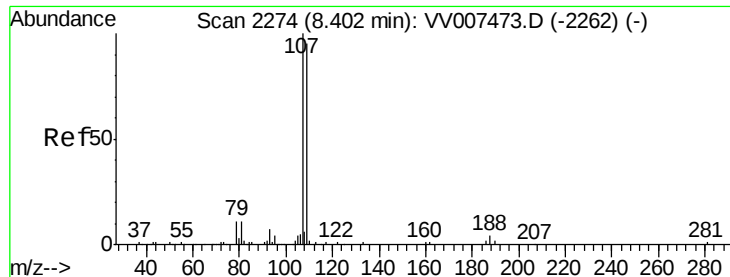
#49
Dibromochloromethane
Concen: 0.944 ug/L
RT: 8.30 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VV007472.D
Acq: 12 Sep 2018 12:14

Tgt Ion:	129	Resp:	5975
Ion	Ratio	Lower	Upper
129	100		
127	79.3	56.3	104.5



Abundance Ion 128.95 (128.65 to 129.65): VV007472.D (-2228) (-)
Ion 126.90 (126.60 to 127.60): VV007472.D (-2228) (-)





#50

1,2-Dibromoethane

Concen: 0.978 ug/L

RT: 8.41 min Scan# 2275

Delta R.T. 0.00 min

Lab File: VV007472.D

Acq: 12 Sep 2018 12:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD00165

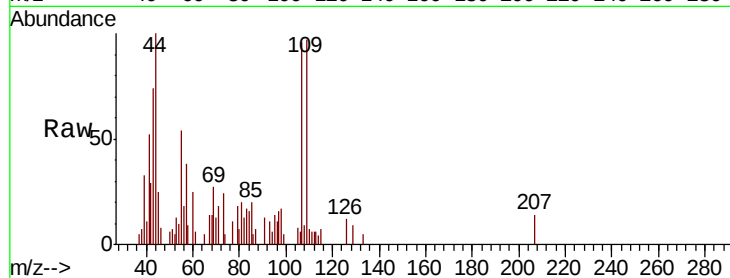
Tot Ion:107 Resp: 4368

Ion Ratio Lower Upper

107 100

109 101.1 67.1 124.5

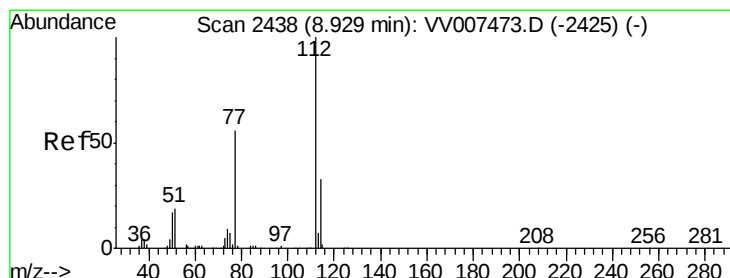
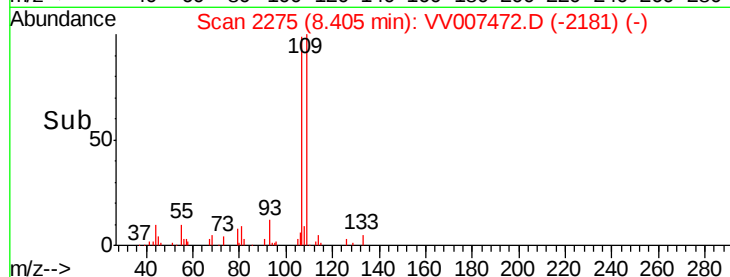
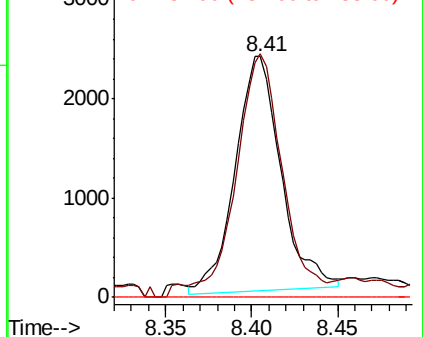
188 0.0 3.2 4.8#



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: 1.023 ug/L

RT: 8.93 min Scan# 2438

Delta R.T. 0.00 min

Lab File: VV007472.D

Acq: 12 Sep 2018 12:14

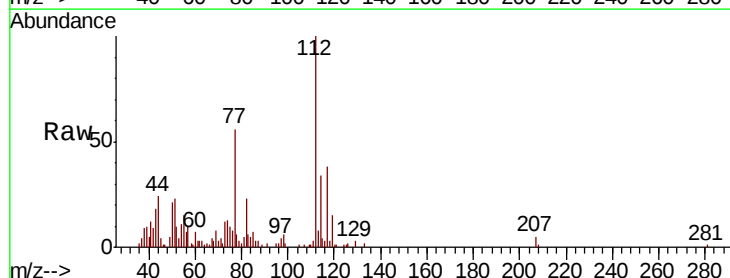
Tgt Ion:112 Resp: 18367

Ion Ratio Lower Upper

112 100

114 34.4 22.8 42.4

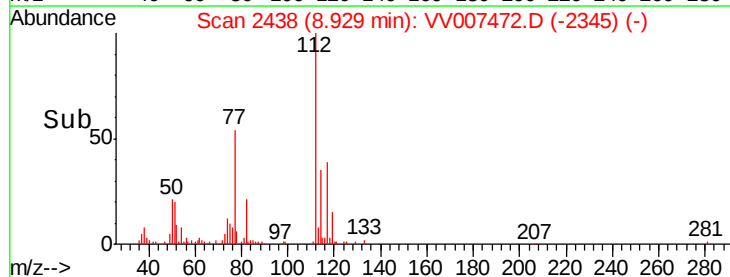
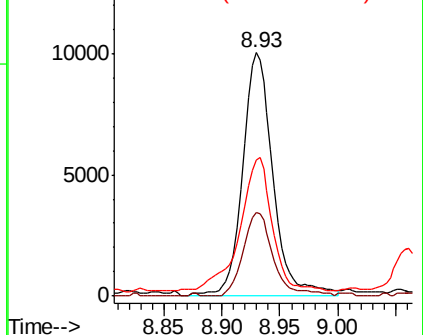
77 55.7 45.4 68.0

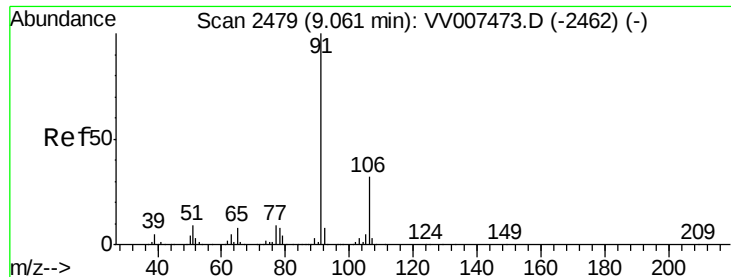


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 0.957 ug/L

RT: 9.06 min Scan# 2479

Delta R.T. 0.00 min

Lab File: VV007472.D

Acq: 12 Sep 2018 12:14

Instrument :

MSVOA_V

ClientSampleId :

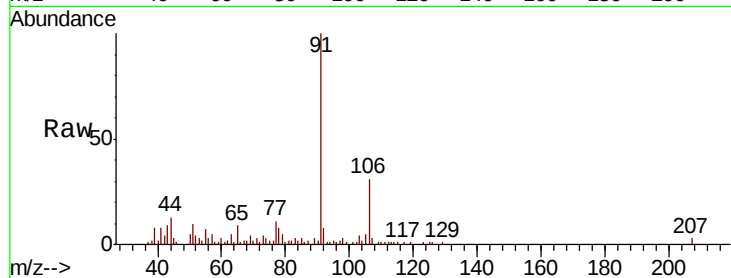
VSTD00165

Tot Ion: 91 Resp: 28841

Ion Ratio Lower Upper

91 100

106 30.6 22.7 42.1



Abundance Ion 91.15 (90.85 to 91.85): VV007472.D (-2462) (-)

Ion 106.15 (105.85 to 106.85): VV007472.D (-2462) (-)

9.06

20000

15000

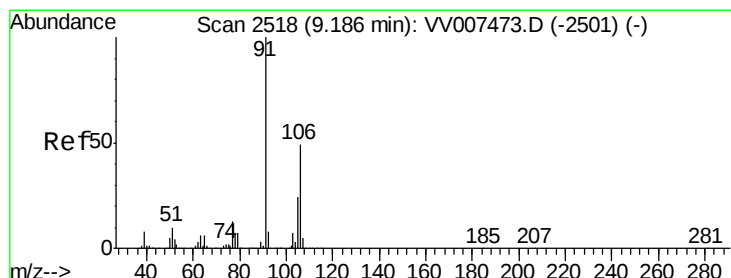
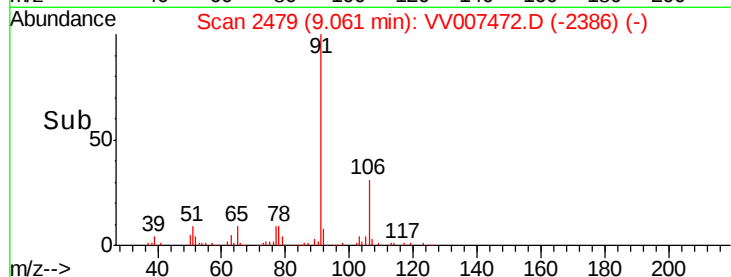
10000

5000

0

Time-->

9.00 9.05 9.10



#53

m,p-xylene

Concen: 0.979 ug/L

RT: 9.19 min Scan# 2518

Delta R.T. 0.00 min

Lab File: VV007472.D

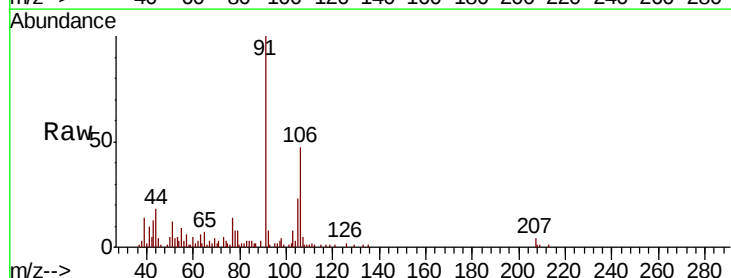
Acq: 12 Sep 2018 12:14

Tgt Ion:106 Resp: 11474

Ion Ratio Lower Upper

106 100

91 211.5 142.3 264.3



Abundance Ion 106.15 (105.85 to 106.85): VV007472.D (-2501) (-)

Ion 91.15 (90.85 to 91.85): VV007472.D (-2501) (-)

9.19

15000

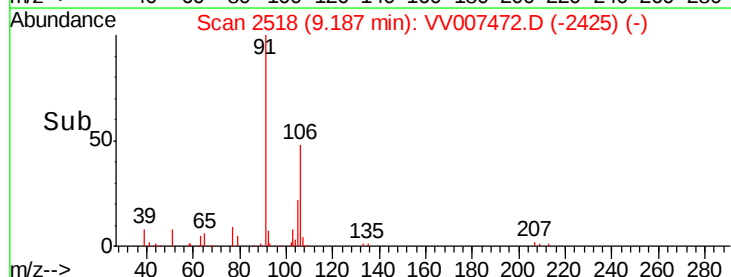
10000

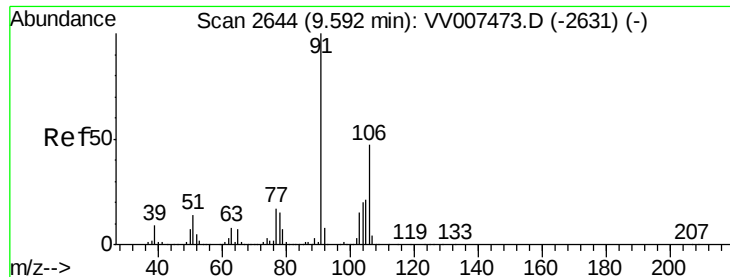
5000

0

Time-->

9.10 9.15 9.20 9.25





#54

o-xylene

Concen: 0.977 ug/L

RT: 9.59 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VV007472.D

Acq: 12 Sep 2018 12:14

Instrument :

MSVOA_V

ClientSampleId :

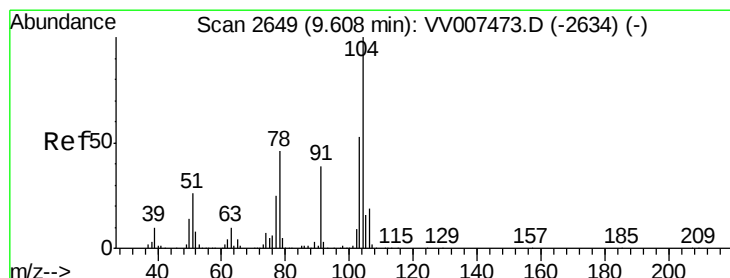
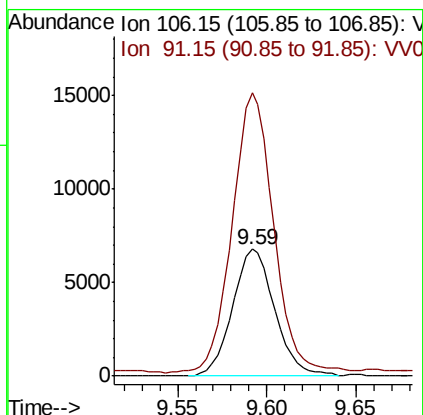
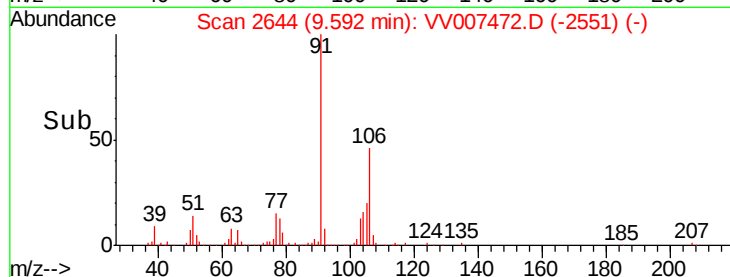
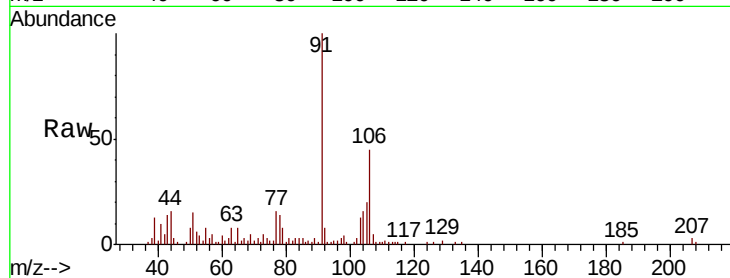
VSTD00165

Tot Ion:106 Resp: 11180

Ion Ratio Lower Upper

106 100

91 223.1 149.9 278.3



#55

Styrene

Concen: 0.943 ug/L

RT: 9.61 min Scan# 2650

Delta R.T. 0.00 min

Lab File: VV007472.D

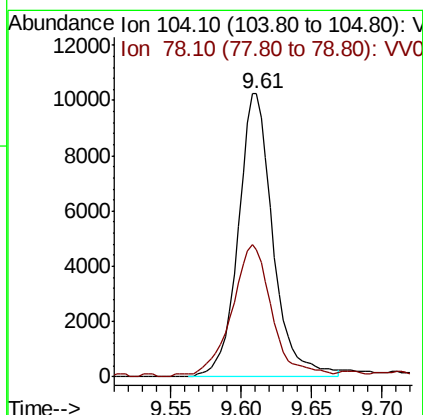
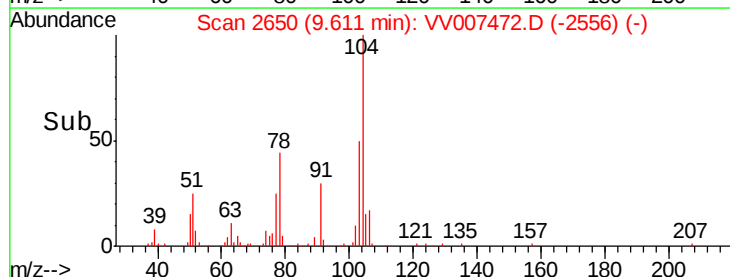
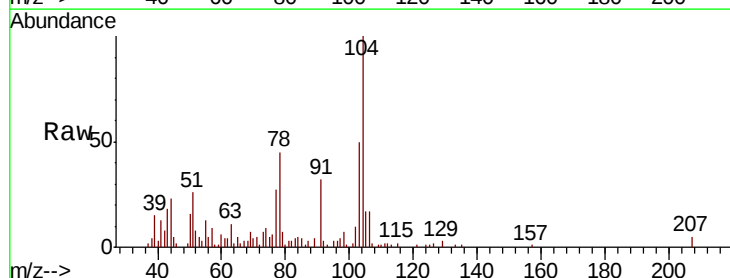
Acq: 12 Sep 2018 12:14

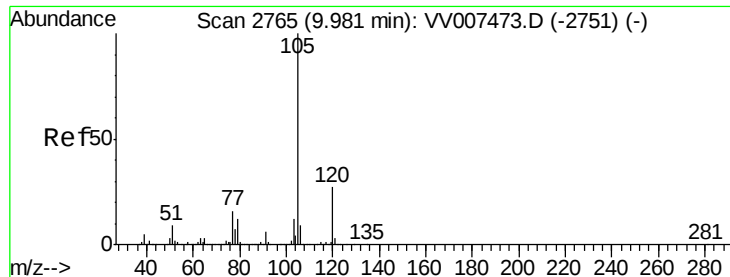
Tgt Ion:104 Resp: 17679

Ion Ratio Lower Upper

104 100

78 45.1 32.4 60.2





#56

Isopropylbenzene

Concen: 0.976 ug/L

RT: 9.98 min Scan# 2765

Delta R.T. 0.00 min

Lab File: VV007472.D

Acq: 12 Sep 2018 12:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD00165

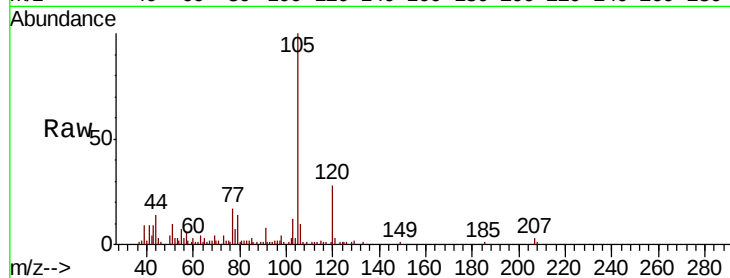
Tot Ion: 105 Resp: 30066

Ion Ratio Lower Upper

105 100

120 26.9 21.8 32.8

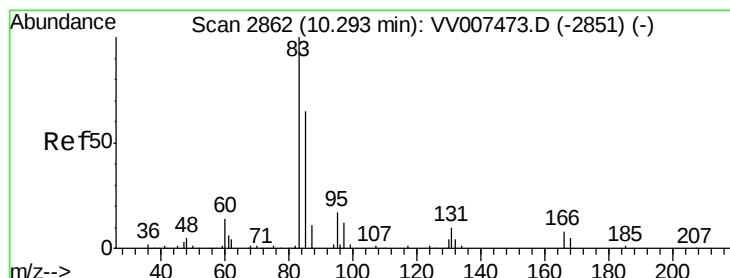
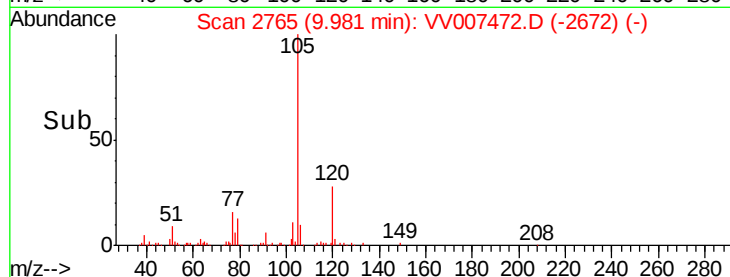
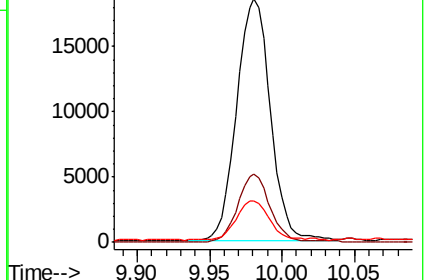
77 15.9 12.6 18.8



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: 0.903 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV007472.D

Acq: 12 Sep 2018 12:14

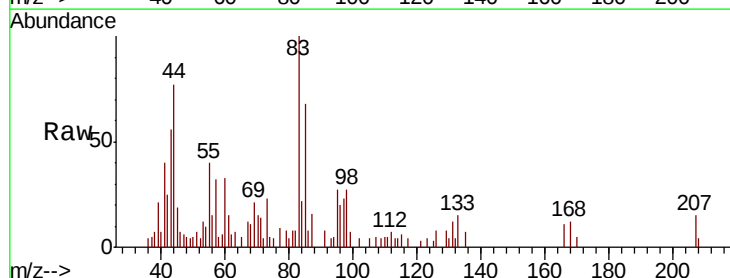
Tgt Ion: 83 Resp: 4530

Ion Ratio Lower Upper

83 100

85 67.8 48.2 89.4

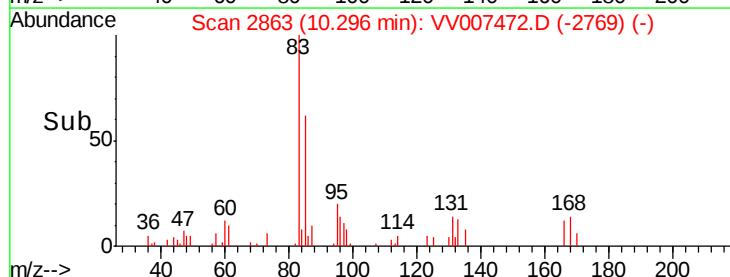
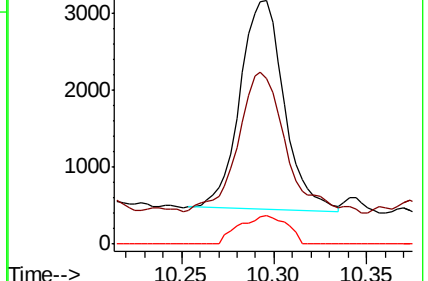
131 11.6 8.9 13.3

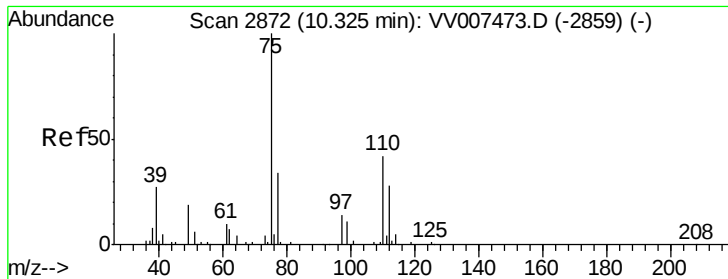


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

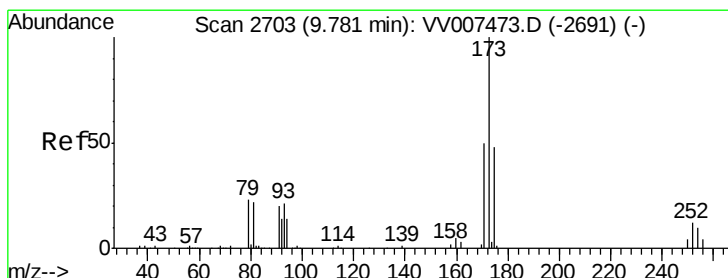
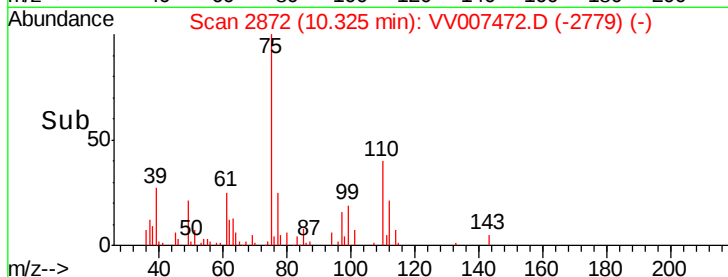
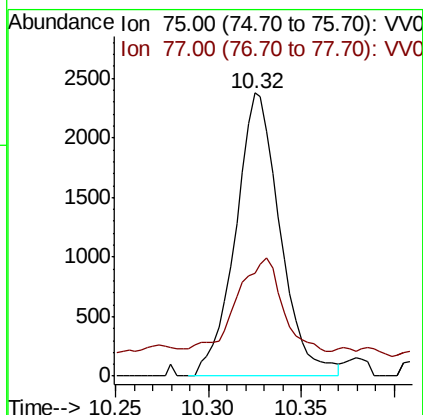
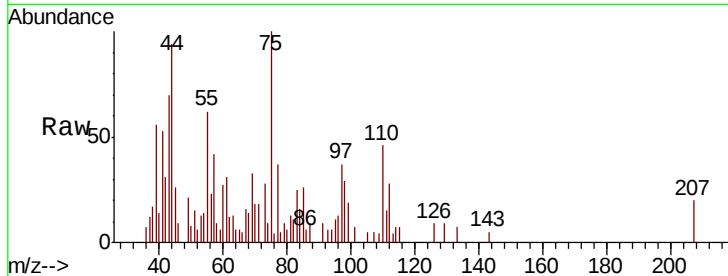




#59
 1,2,3-Trichloropropane
 Concen: 1.036 ug/L
 RT: 10.32 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VV007472.D
 Acq: 12 Sep 2018 12:14

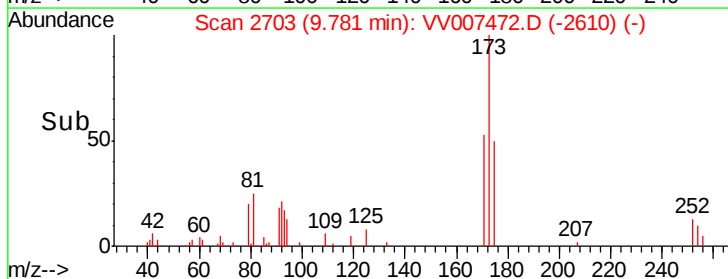
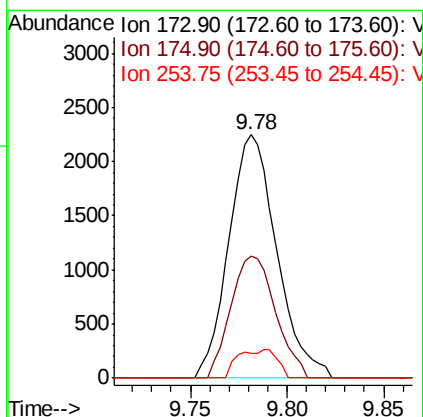
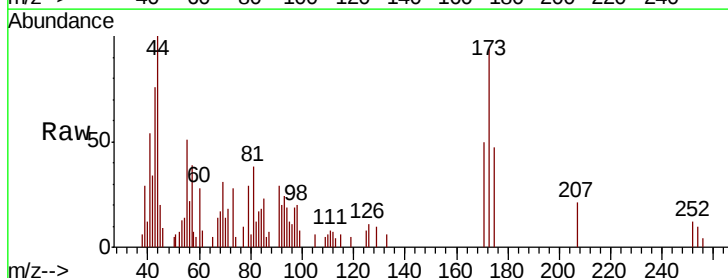
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00165

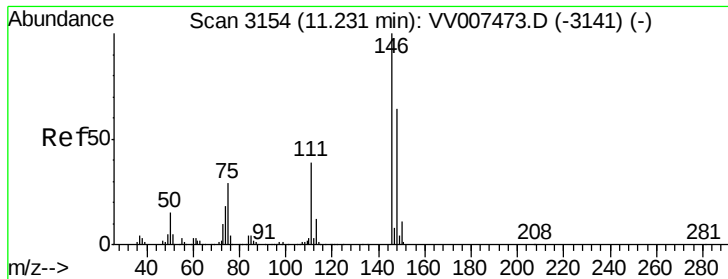
Tot Ion: 75 Resp: 3989
 Ion Ratio Lower Upper
 75 100
 77 33.8 25.4 38.0



#61
 Bromoform
 Concen: 0.991 ug/L
 RT: 9.78 min Scan# 2703
 Delta R.T. 0.00 min
 Lab File: VV007472.D
 Acq: 12 Sep 2018 12:14

Tgt Ion: 173 Resp: 3867
 Ion Ratio Lower Upper
 173 100
 175 46.7 40.5 60.7
 254 9.6 9.2 13.8





#62

1,3-Dichlorobenzene

Concen: 0.985 ug/L

RT: 11.23 min Scan# 3155

Delta R.T. 0.00 min

Lab File: VV007472.D

Acq: 12 Sep 2018 12:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD00165

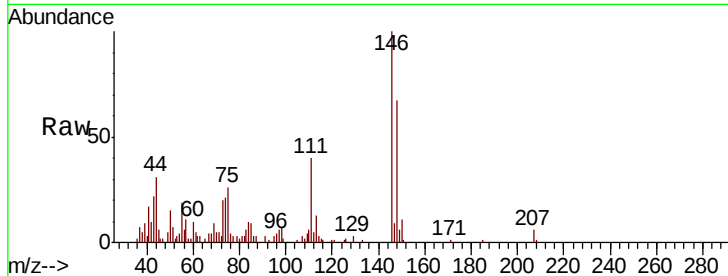
Tot Ion:146 Resp: 14105

Ion Ratio Lower Upper

146 100

111 40.1 27.4 51.0

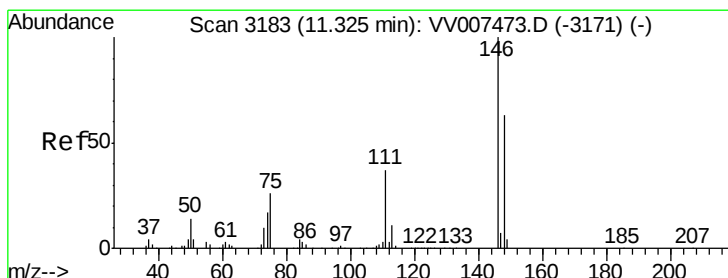
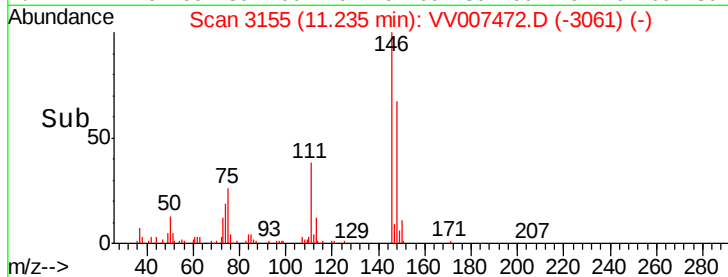
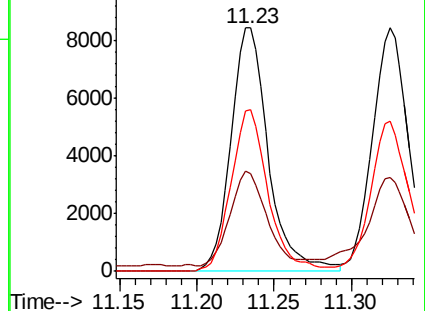
148 66.7 45.1 83.7



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: 1.003 ug/L

RT: 11.32 min Scan# 3183

Delta R.T. 0.00 min

Lab File: VV007472.D

Acq: 12 Sep 2018 12:14

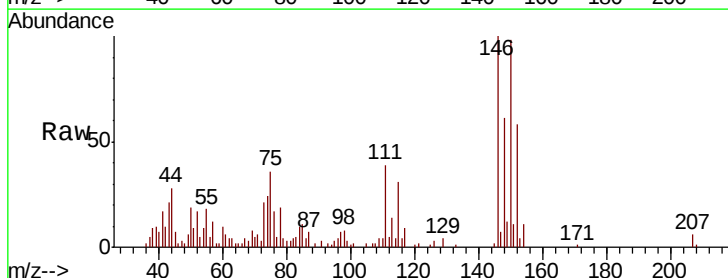
Tgt Ion:146 Resp: 14312

Ion Ratio Lower Upper

146 100

111 38.6 26.6 49.4

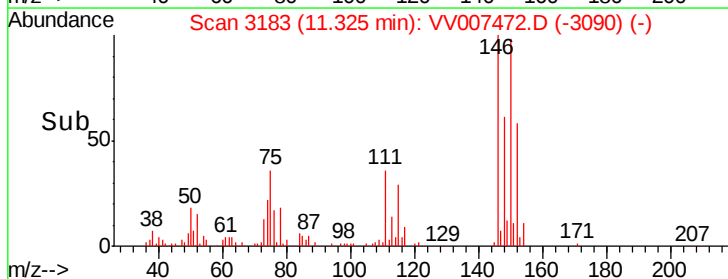
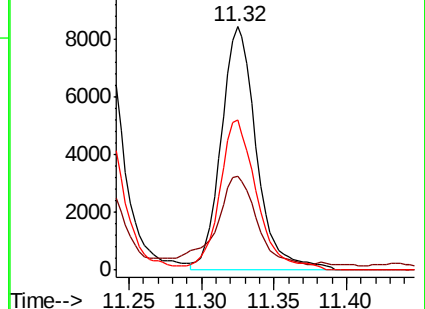
148 61.5 44.2 82.2

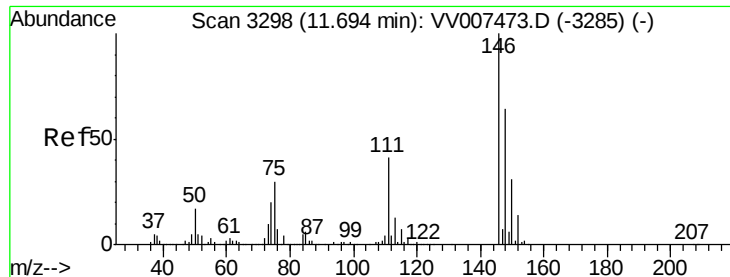


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 1.002 ug/L

RT: 11.70 min Scan# 3299

Delta R.T. 0.00 min

Lab File: VV007472.D

Acq: 12 Sep 2018 12:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD00165

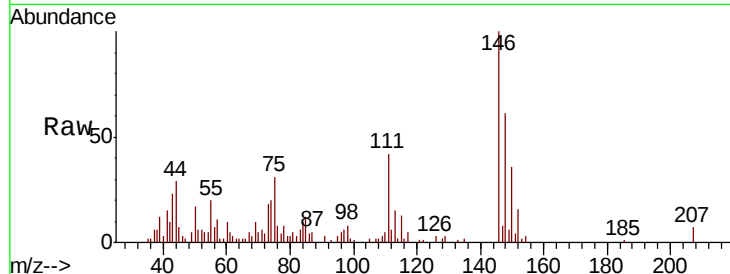
Tot Ion:146 Resp: 13482

Ion Ratio Lower Upper

146 100

111 41.6 33.0 49.4

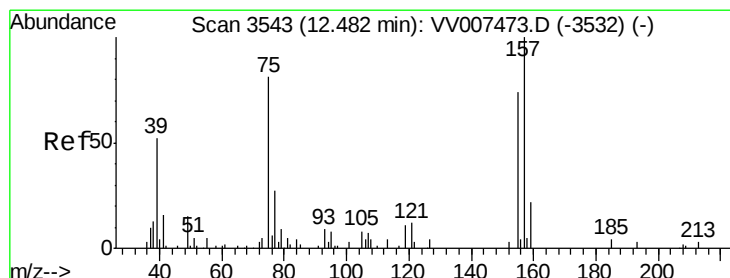
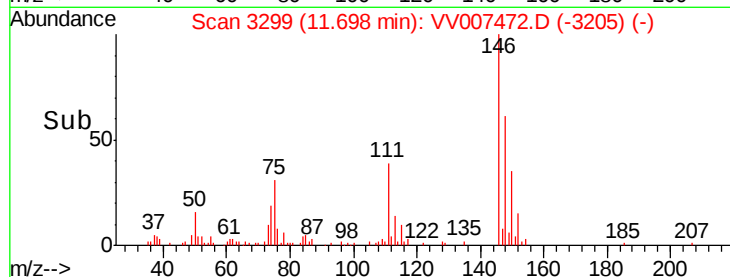
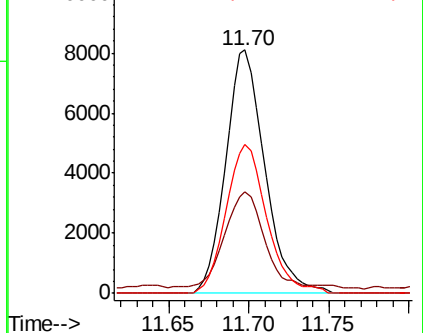
148 61.1 51.3 76.9



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



#66

1,2-Dibromo-3-chloropropane

Concen: 1.055 ug/L

RT: 12.48 min Scan# 3543

Delta R.T. 0.00 min

Lab File: VV007472.D

Acq: 12 Sep 2018 12:14

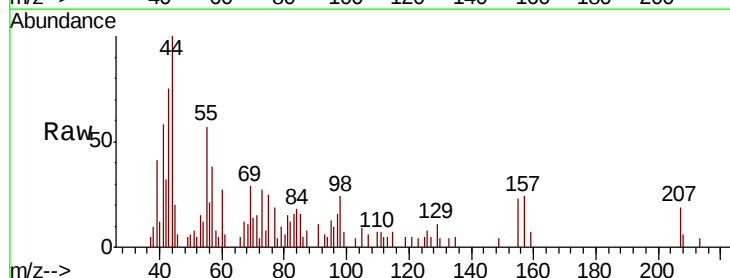
Tgt Ion: 75 Resp: 1055

Ion Ratio Lower Upper

75 100

155 91.7 73.3 109.9

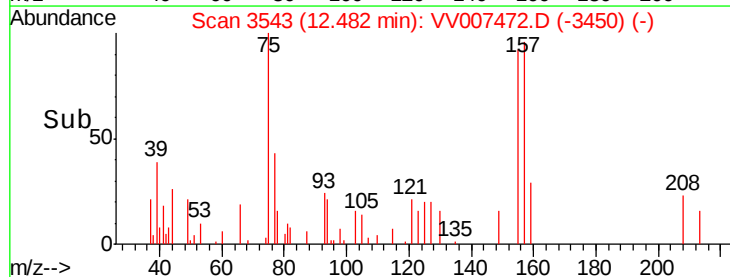
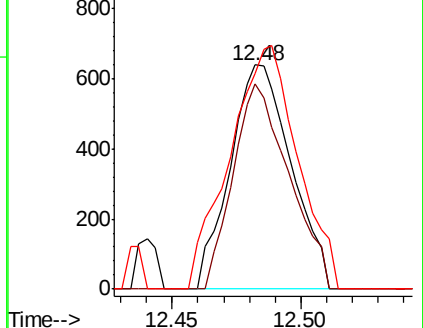
157 96.2 99.4 149.0#

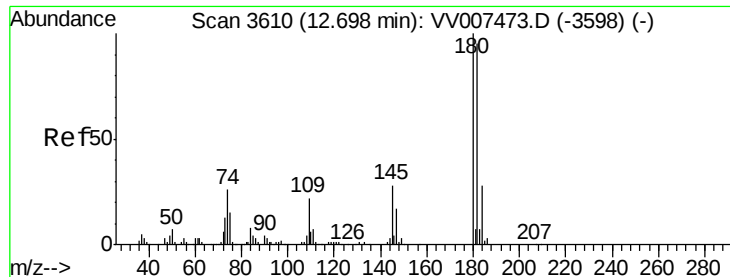


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

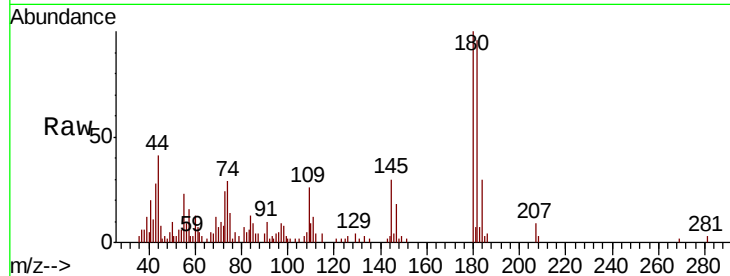




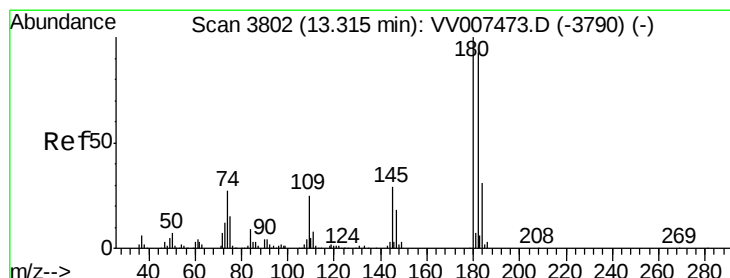
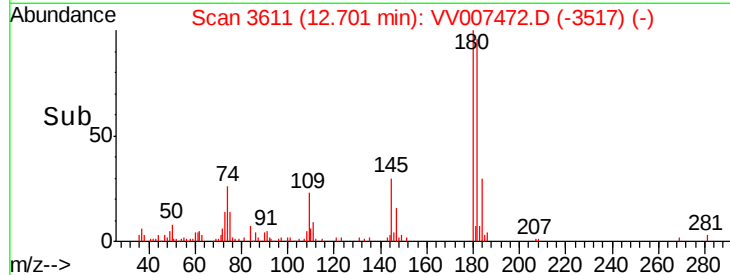
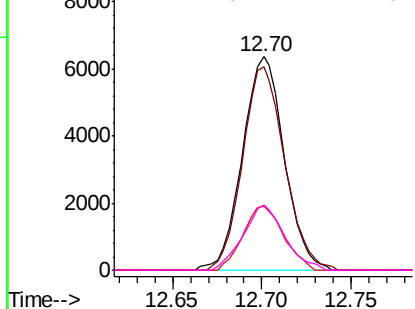
#67
 1,3,5-Trichlorobenzene
 Concen: 0.947 ug/L
 RT: 12.70 min Scan# 3611
 Delta R.T. 0.00 min
 Lab File: VV007472.D
 Acq: 12 Sep 2018 12:14

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00165

Tot Ion:180	Resp:	10404
Ion	Ratio	Lower Upper
180	100	
182	96.0	75.4 113.2
184	28.9	23.8 35.8
145	30.4	23.0 34.4

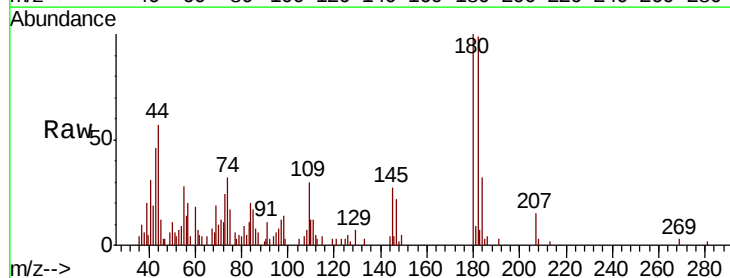


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

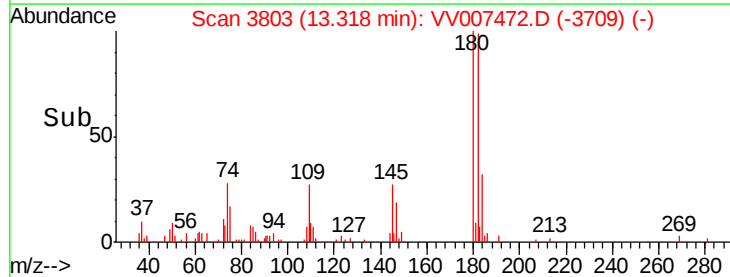
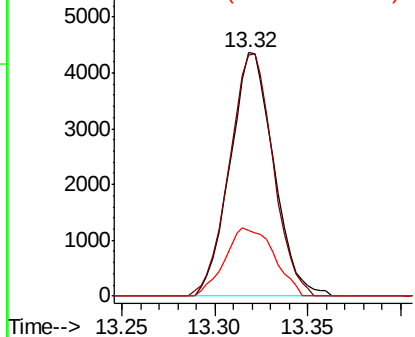


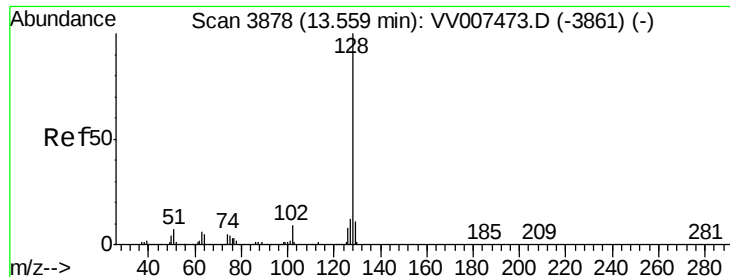
#68
 1,2,4-trichlorobenzene
 Concen: 0.855 ug/L
 RT: 13.32 min Scan# 3803
 Delta R.T. 0.00 min
 Lab File: VV007472.D
 Acq: 12 Sep 2018 12:14

Tgt Ion:180	Resp:	7122
Ion	Ratio	Lower Upper
180	100	
182	99.6	76.6 114.8
145	31.4	23.3 34.9



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: 0.806 ug/L

RT: 13.56 min Scan# 3879

Delta R.T. 0.00 min

Lab File: VV007472.D

Acq: 12 Sep 2018 12:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD00165

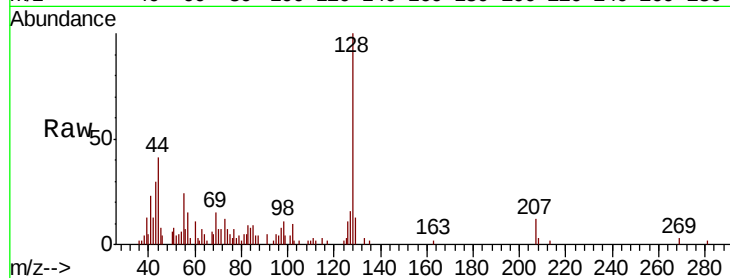
Tot Ion:128 Resp: 10449

Ion Ratio Lower Upper

128 100

129 9.7 8.7 13.1

127 17.0 10.8 16.2#

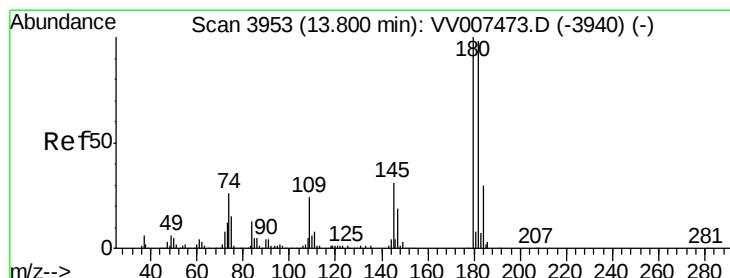
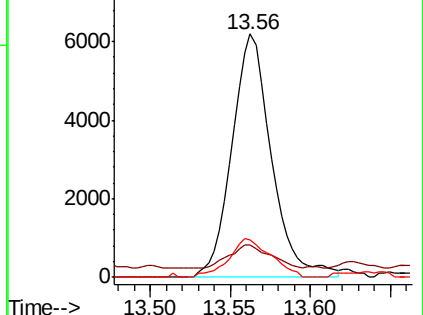
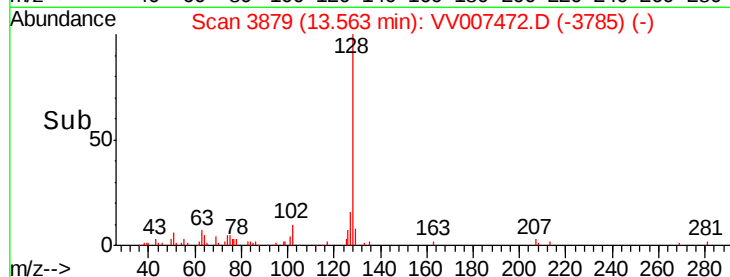


Abundance

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: 0.887 ug/L

RT: 13.80 min Scan# 3953

Delta R.T. 0.00 min

Lab File: VV007472.D

Acq: 12 Sep 2018 12:14

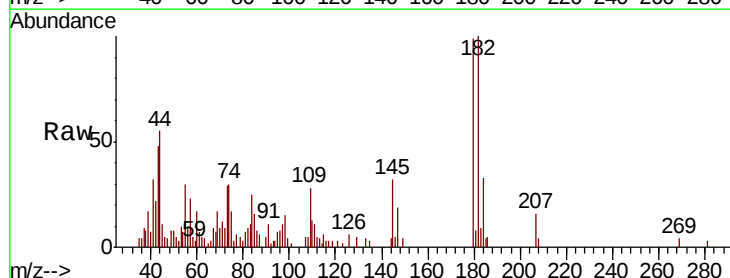
Tgt Ion:180 Resp: 6937

Ion Ratio Lower Upper

180 100

182 98.1 76.4 114.6

145 33.2 25.1 37.7



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

