

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091218\
 Data File : VV007498.D
 Acq On : 13 Sep 2018 01:52
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00577

Quant Time: Sep 13 03:19:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091218WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Sep 13 02:33:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	131420	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	118299	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	63677	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	31207	4.44	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.80%
7) Chloroethane-d5	1.58	69	25869	4.39	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.80%
11) 1,1-Dichloroethene-d2	2.13	63	67257	4.75	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.00%
20) 2-Butanone-d5	3.96	46	78999	52.17	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.34%
24) Chloroform-d	4.41	84	66192	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.60%
26) 1,2-Dichloroethane-d4	5.09	65	33477	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.20%
32) Benzene-d6	5.10	84	125800	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.60%
36) 1,2-Dichloropropane-d6	6.13	67	38747	4.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.20%
41) Toluene-d8	7.36	98	129497	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.20%
43) trans-1,3-Dichloropropene-	7.67	79	16479	4.14	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.80%
46) 2-Hexanone-d5	8.14	63	58018	61.34	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	122.68%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	28282	4.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.60%
64) 1,2-Dichlorobenzene-d4	11.68	152	51999	4.77	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	36866	4.812	ug/L 97
3) Chloromethane	1.25	50	30443	4.537	ug/L 99
5) Vinyl chloride	1.32	62	35443	4.592	ug/L 98
6) Bromomethane	1.53	94	23300	4.553	ug/L 99
8) Chloroethane	1.60	64	20949	4.566	ug/L 99
9) Trichlorofluoromethane	1.77	101	67495	5.017	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	36884	4.797	ug/L 98
12) 1,1-Dichloroethene	2.14	96	33244	4.903	ug/L 95
13) Acetone	2.20	43	46356	52.437	ug/L 96
14) Carbon disulfide	2.32	76	99027	4.771	ug/L 100
15) Methyl Acetate	2.46	43	12548	5.134	ug/L 92
16) Methylene chloride	2.54	84	33786	4.663	ug/L 96
17) Methyl tert-butyl Ether	2.81	73	83959	4.897	ug/L 98
18) trans-1,2-Dichloroethene	2.79	96	35426	4.886	ug/L 98
19) 1,1-Dichloroethane	3.23	63	58314	4.926	ug/L 98
21) 2-Butanone	4.05	43	77184	53.718	ug/L 97
22) cis-1,2-Dichloroethene	3.96	96	36944	5.187	ug/L # 100

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 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 29 Sample Multiplier: 1

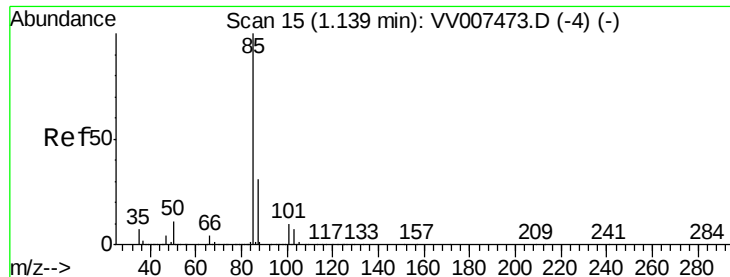
Instrument :
 MSVOA_V
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Quant Time: Sep 13 03:19:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091218WMA.M
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 QLast Update : Thu Sep 13 02:33:45 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.30	128	16522	4.847	ug/L	96
25) Chloroform	4.43	83	61393	5.028	ug/L	97
27) 1,2-Dichloroethane	5.19	62	37893	4.961	ug/L #	93
29) 1,1,1-Trichloroethane	4.66	97	58324	4.783	ug/L	100
30) Cyclohexane	4.72	56	50956	4.715	ug/L	96
31) Carbon tetrachloride	4.88	117	55130	4.899	ug/L	97
33) Benzene	5.15	78	127033	4.923	ug/L	100
34) Trichloroethene	5.96	95	38787	4.985	ug/L	94
35) Methylcyclohexane	6.18	83	59120	4.897	ug/L	99
37) 1,2-Dichloropropane	6.23	63	30792	4.712	ug/L	99
38) Bromodichloromethane	6.56	83	46481	5.026	ug/L	96
39) cis-1,3-Dichloropropene	7.08	75	48070	4.571	ug/L	97
40) 4-Methyl-2-pentanone	7.28	43	192834	51.814	ug/L	99
42) Toluene	7.44	91	141863	4.965	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	40228	4.557	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	24073	4.866	ug/L	97
47) Tetrachloroethene	8.02	164	33195	4.987	ug/L	98
48) 2-Hexanone	8.19	43	135025	49.842	ug/L	97
49) Dibromochloromethane	8.30	129	34793	5.083	ug/L	98
50) 1,2-Dibromoethane	8.40	107	23447	4.857	ug/L	98
51) Chlorobenzene	8.93	112	96774	4.985	ug/L	97
52) Ethylbenzene	9.06	91	161328	4.953	ug/L	100
53) m,p-xylene	9.19	106	62798	4.957	ug/L	99
54) o-xylene	9.59	106	61262	4.953	ug/L	98
55) Styrene	9.61	104	102207	5.044	ug/L	94
56) Isopropylbenzene	9.98	105	165969	4.983	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	25242	4.653	ug/L	94
59) 1,2,3-Trichloropropane	10.32	75	20055	4.820	ug/L	95
61) Bromoform	9.78	173	21618	4.888	ug/L	96
62) 1,3-Dichlorobenzene	11.23	146	81724	5.036	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	81964	5.071	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	74823	4.909	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	4868	4.296	ug/L	98
67) 1,3,5-Trichlorobenzene	12.70	180	63593	5.111	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	50581	5.358	ug/L	99
69) Naphthalene	13.56	128	73166	4.982	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	47866	5.406	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 4.812 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV007498.D

Acq: 13 Sep 2018 01:52

Instrument :

MSVOA_V

ClientSampleId :

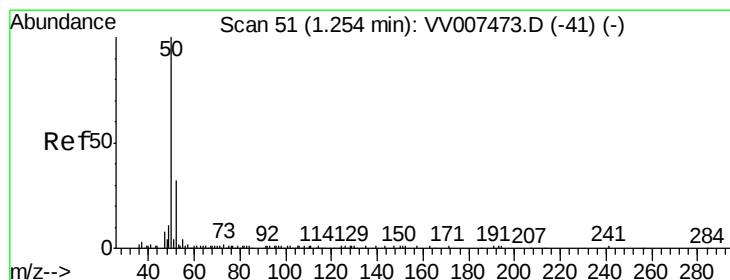
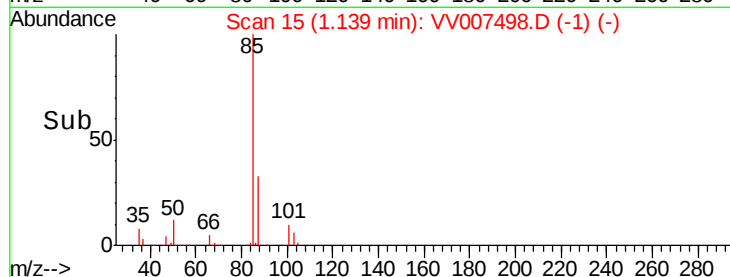
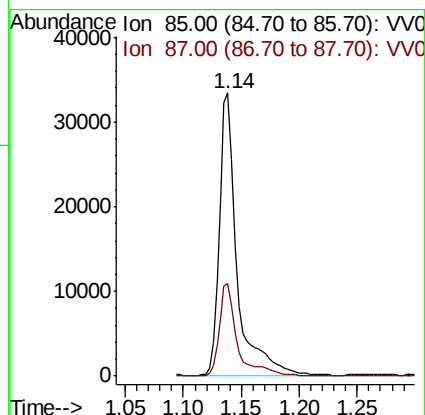
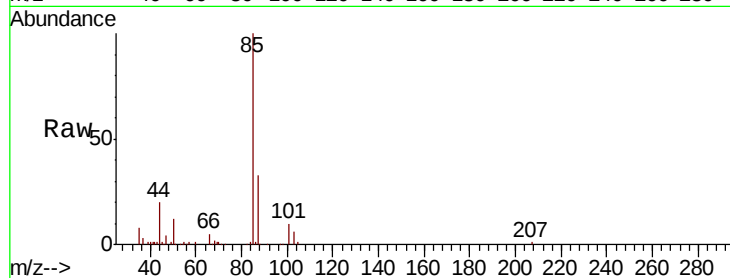
VSTD00577

Tot Ion: 85 Resp: 36866

Ion Ratio Lower Upper

85 100

87 32.8 25.0 37.4



#3

Chloromethane

Concen: 4.537 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV007498.D

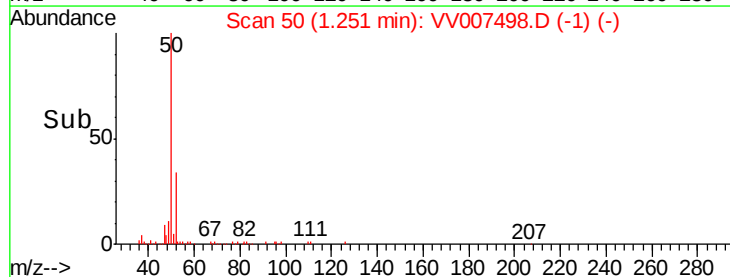
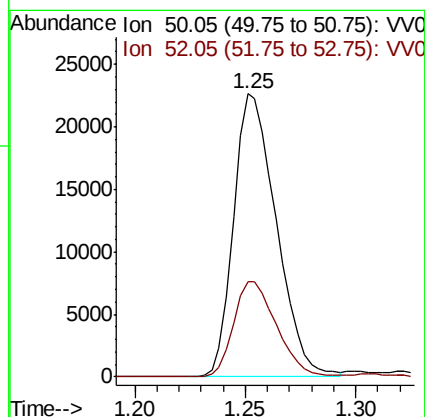
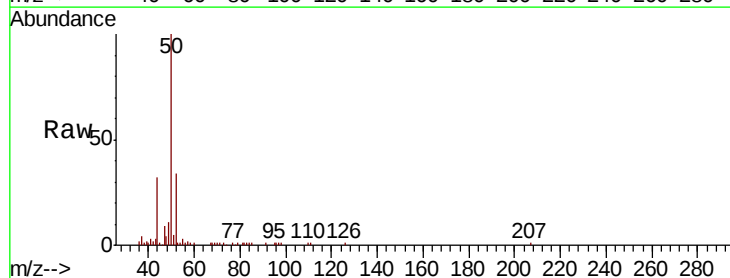
Acq: 13 Sep 2018 01:52

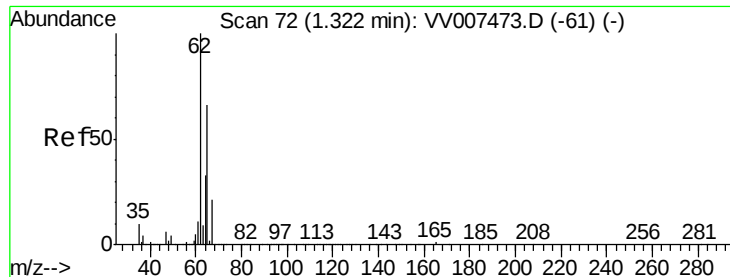
Tgt Ion: 50 Resp: 30443

Ion Ratio Lower Upper

50 100

52 33.8 23.1 42.9





#5

Vinyl chloride

Concen: 4.592 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV007498.D

Acq: 13 Sep 2018 01:52

Instrument :

MSVOA_V

ClientSampleId :

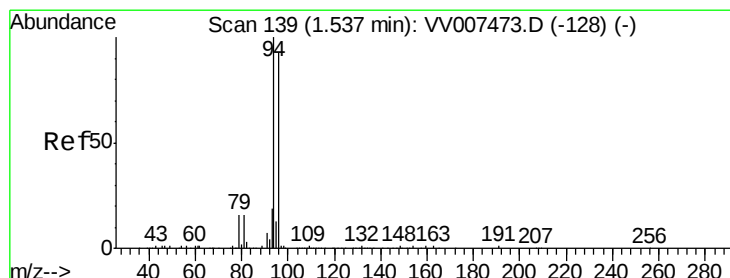
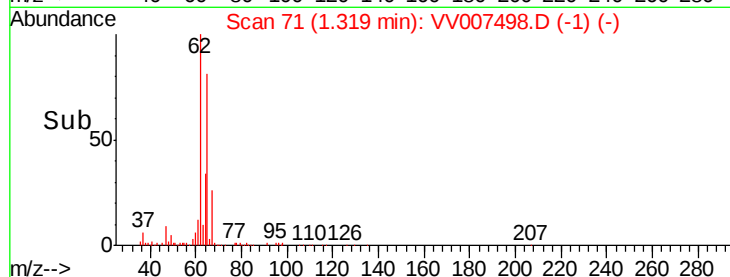
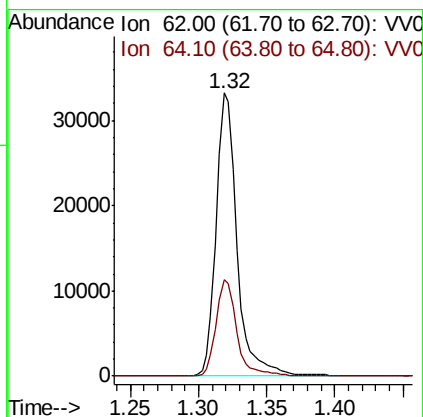
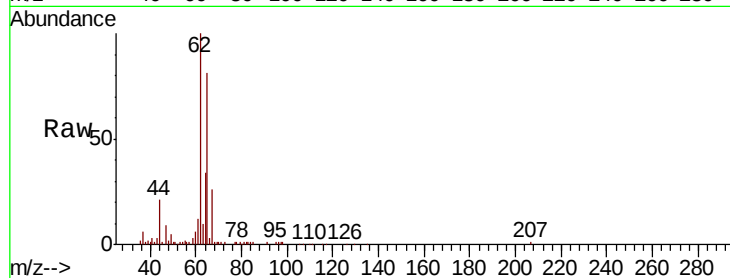
VSTD00577

Tot Ion: 62 Resp: 35443

Ion Ratio Lower Upper

62 100

64 33.9 23.1 42.9



#6

Bromomethane

Concen: 4.553 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.01 min

Lab File: VV007498.D

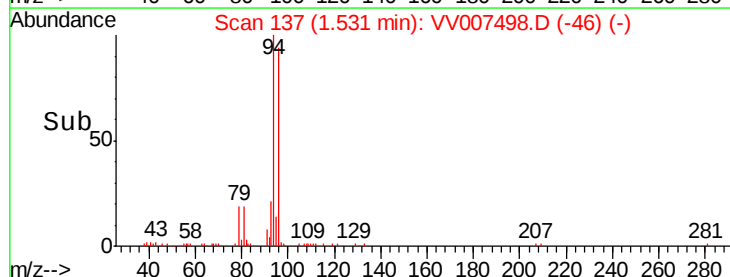
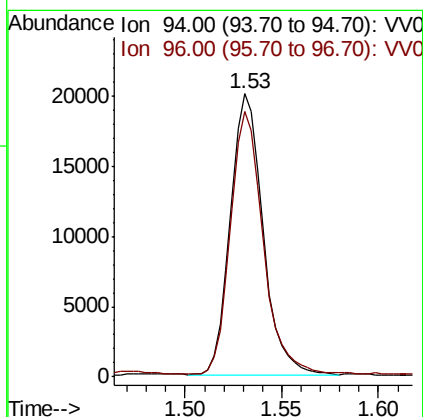
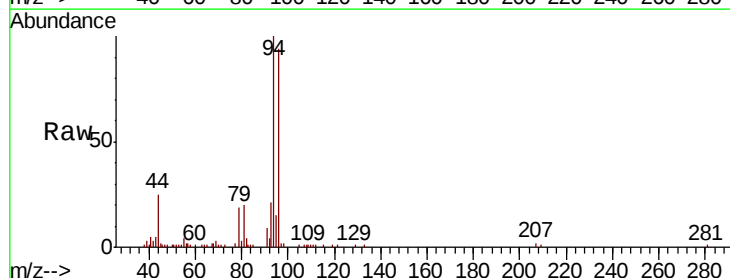
Acq: 13 Sep 2018 01:52

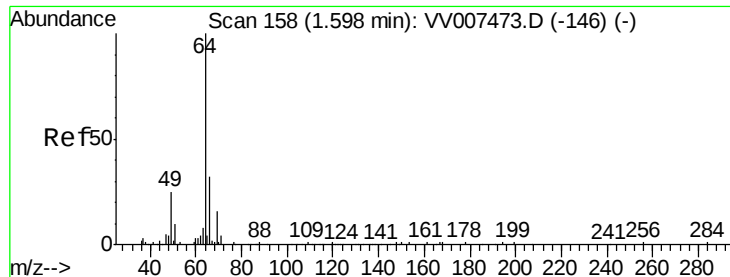
Tgt Ion: 94 Resp: 23300

Ion Ratio Lower Upper

94 100

96 93.7 66.3 123.1

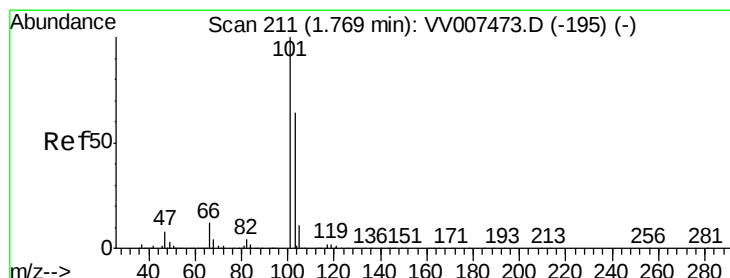
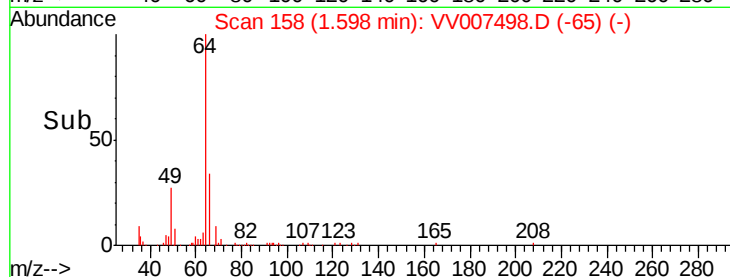
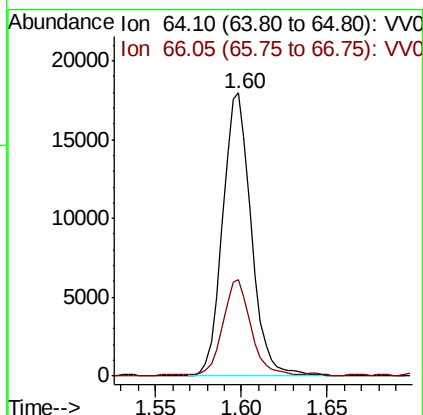
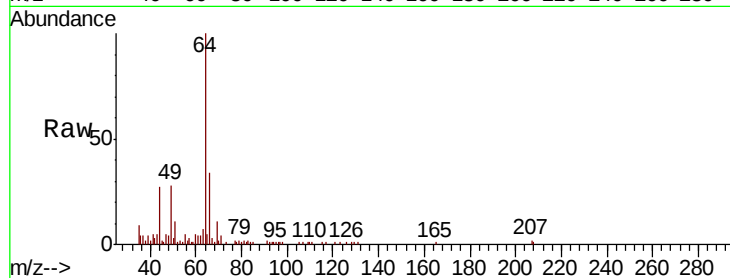




#8
Chloroethane
Concen: 4.566 ug/L
RT: 1.60 min Scan# 158
Delta R.T. 0.00 min
Lab File: VV007498.D
Acq: 13 Sep 2018 01:52

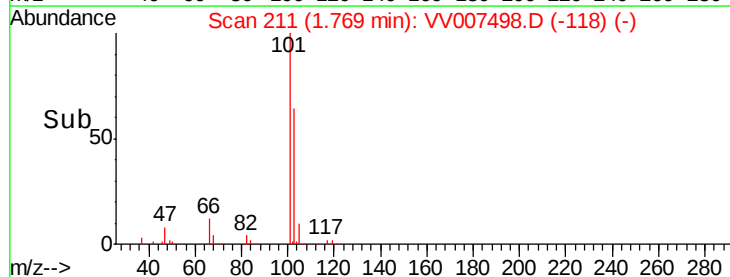
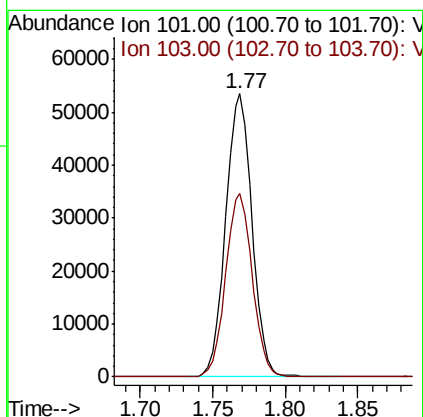
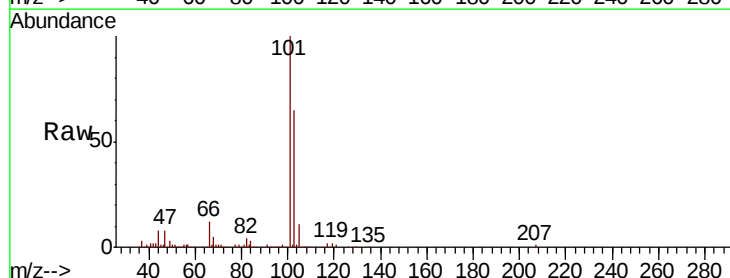
Instrument :
MSVOA_V
ClientSampleId :
VSTD00577

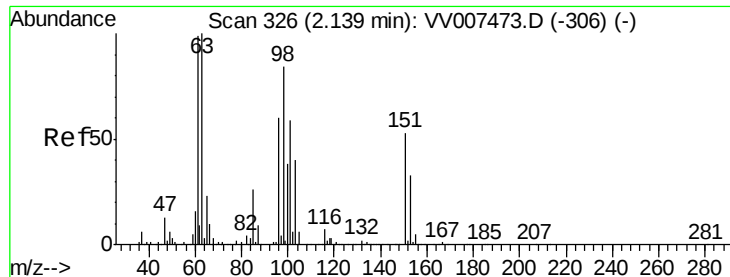
Tot Ion: 64 Resp: 20949
Ion Ratio Lower Upper
64 100
66 34.2 23.5 43.7



#9
Trichlorofluoromethane
Concen: 5.017 ug/L
RT: 1.77 min Scan# 211
Delta R.T. 0.00 min
Lab File: VV007498.D
Acq: 13 Sep 2018 01:52

Tgt Ion: 101 Resp: 67495
Ion Ratio Lower Upper
101 100
103 64.8 51.5 77.3





#10

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

Concen: 4.797 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV007498.D

Acq: 13 Sep 2018 01:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD00577

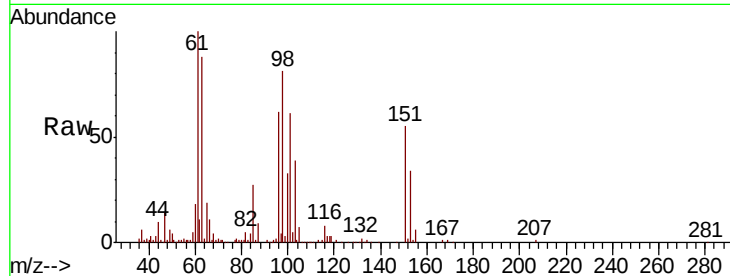
Tot Ion:101 Resp: 36884

Ion Ratio Lower Upper

101 100

85 42.2 34.5 51.7

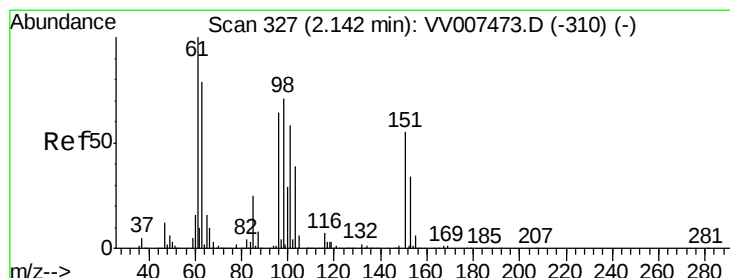
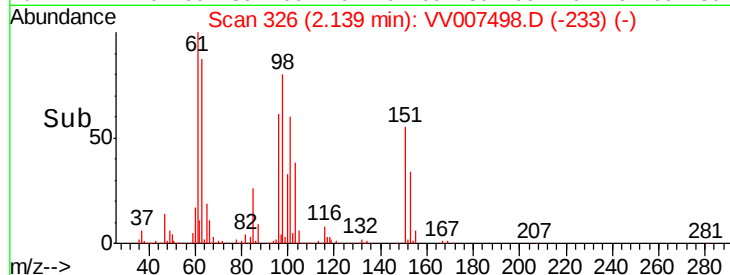
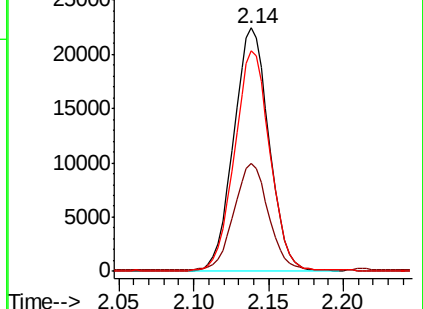
151 90.8 71.4 107.0



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: 4.903 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV007498.D

Acq: 13 Sep 2018 01:52

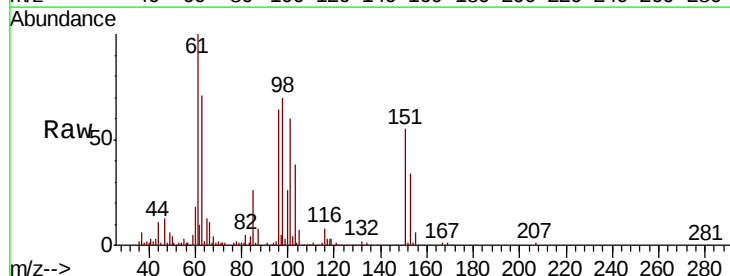
Tgt Ion: 96 Resp: 33244

Ion Ratio Lower Upper

96 100

61 155.3 108.0 200.6

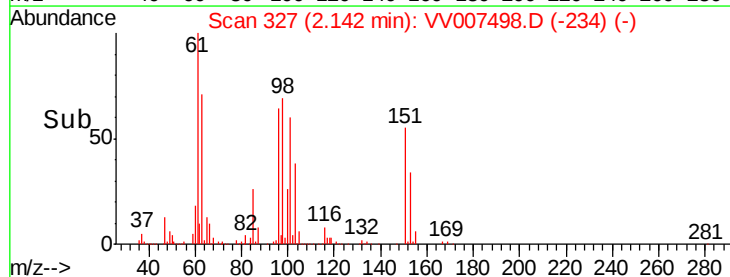
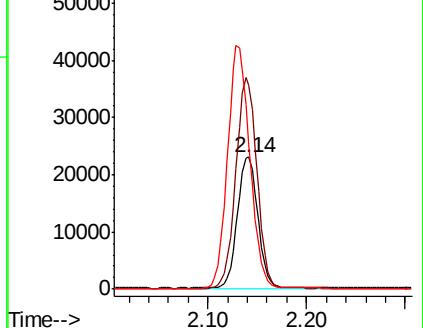
63 110.3 85.7 159.1

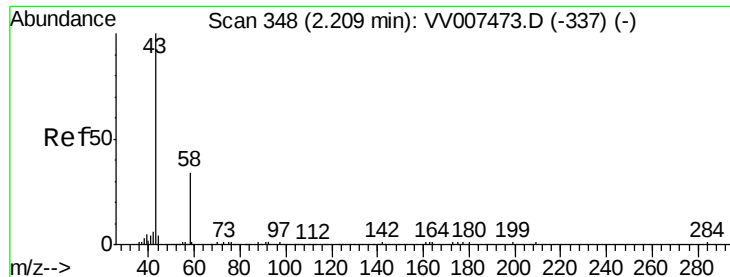


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 52.437 ug/L

RT: 2.20 min Scan# 344

Delta R.T. -0.01 min

Lab File: VV007498.D

Acq: 13 Sep 2018 01:52

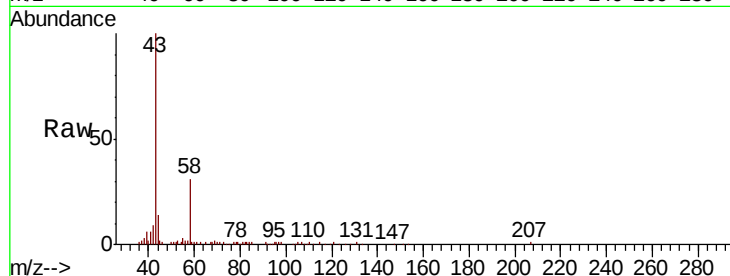
Instrument :
MSVOA_V
ClientSampleId :
VSTD00577

Tot Ion: 43 Resp: 46356

Ion Ratio Lower Upper

43 100

58 30.2 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) (-)

2.20

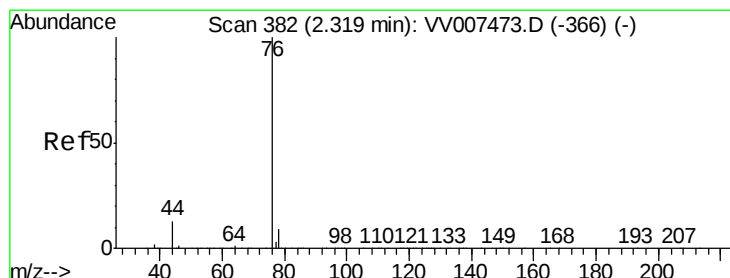
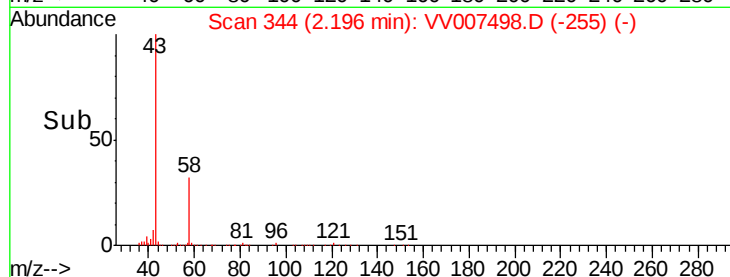
30000

20000

10000

0

Time--> 2.10 2.15 2.20 2.25 2.30



#14

Carbon disulfide

Concen: 4.771 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV007498.D

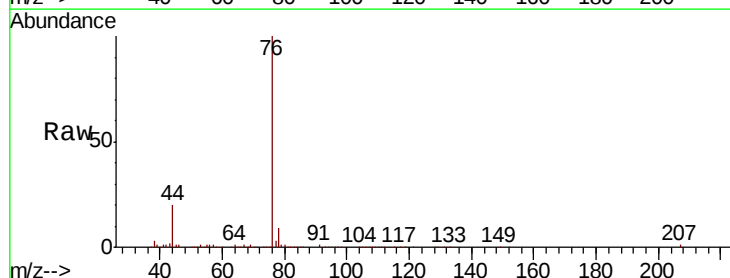
Acq: 13 Sep 2018 01:52

Tgt Ion: 76 Resp: 99027

Ion Ratio Lower Upper

76 100

78 9.4 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) (-)

2.32

80000

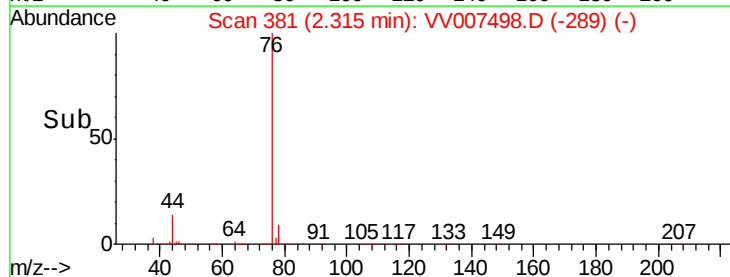
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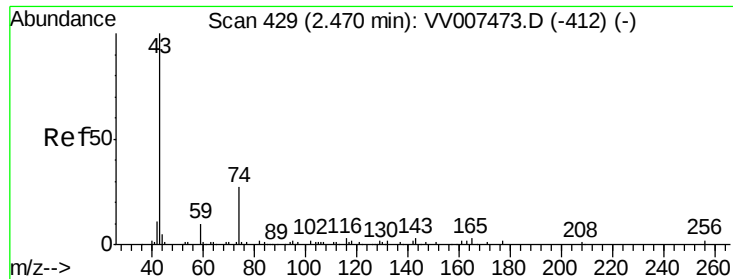
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20000

0

Time--> 2.25 2.30 2.35 2.40

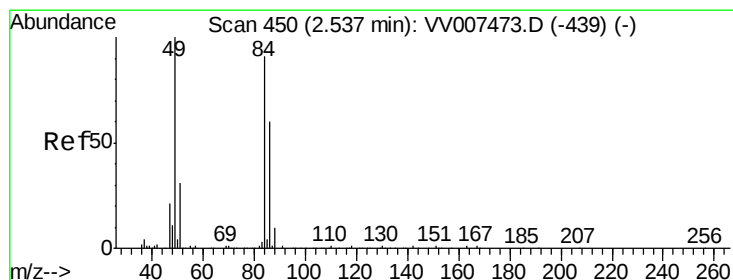
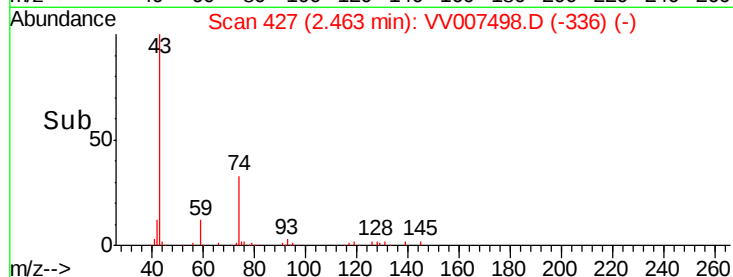
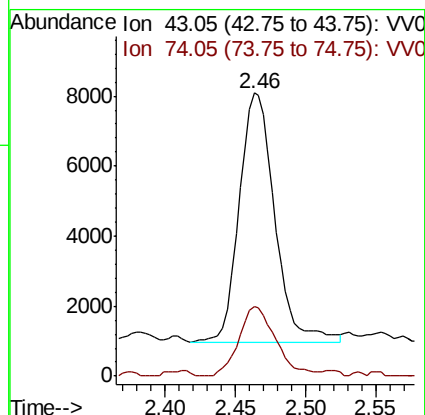
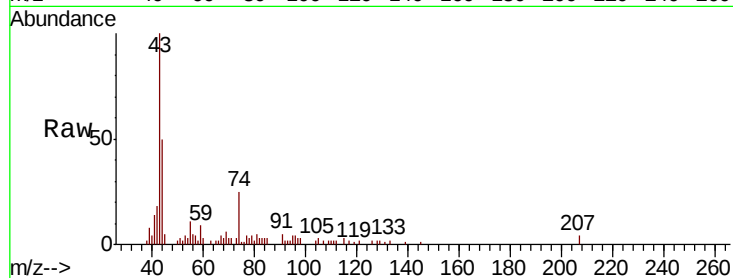




#15
Methvl Acetate
Concen: 5.134 ug/L
RT: 2.46 min Scan# 427
Delta R.T. -0.01 min
Lab File: VV007498.D
Acq: 13 Sep 2018 01:52

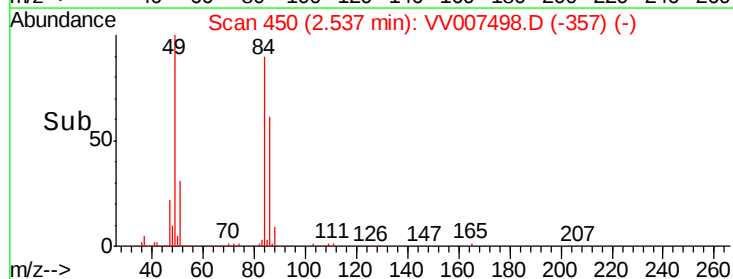
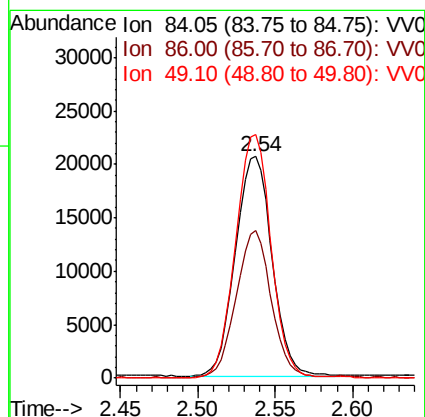
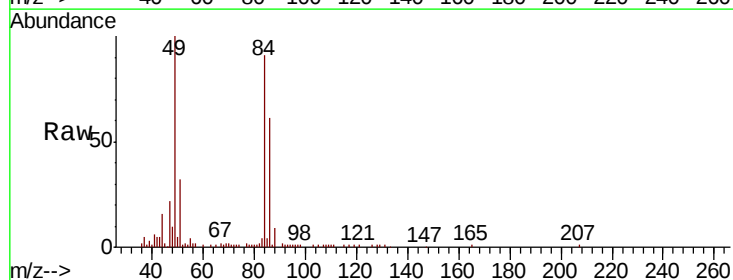
Instrument :
MSVOA_V
ClientSampleId :
VSTD00577

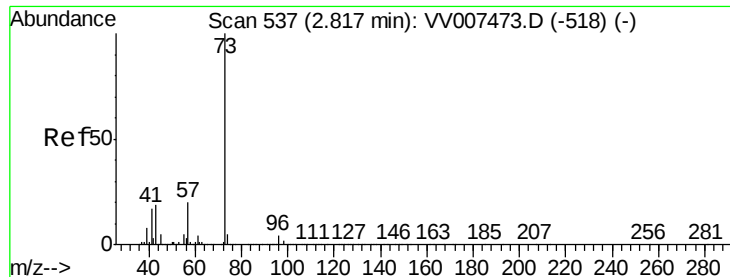
Tot Ion: 43 Resp: 12548
Ion Ratio Lower Upper
43 100
74 29.2 20.0 30.0



#16
Methylene chloride
Concen: 4.663 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV007498.D
Acq: 13 Sep 2018 01:52

Tgt Ion: 84 Resp: 33786
Ion Ratio Lower Upper
84 100
86 66.6 44.9 83.3
49 109.9 74.2 137.8



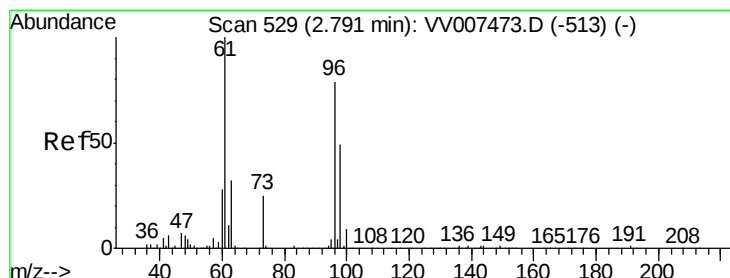
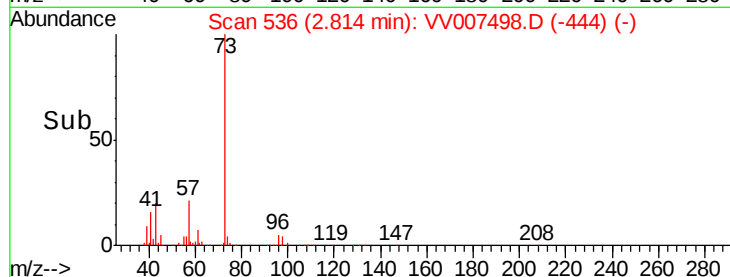
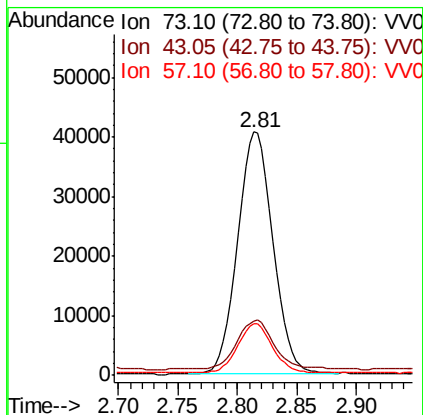
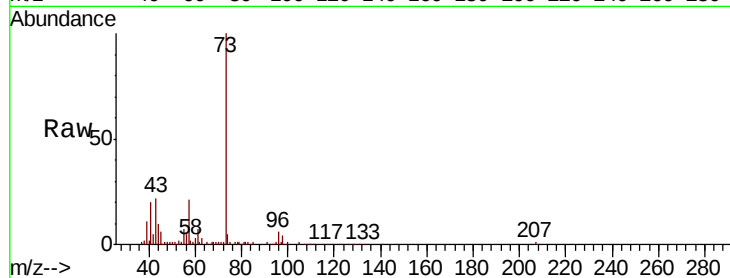


#17

Methvl tert-butvl Ether
 Concen: 4.897 ug/L
 RT: 2.81 min Scan# 536
 Delta R.T. -0.00 min
 Lab File: VV007498.D
 Acq: 13 Sep 2018 01:52

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00577

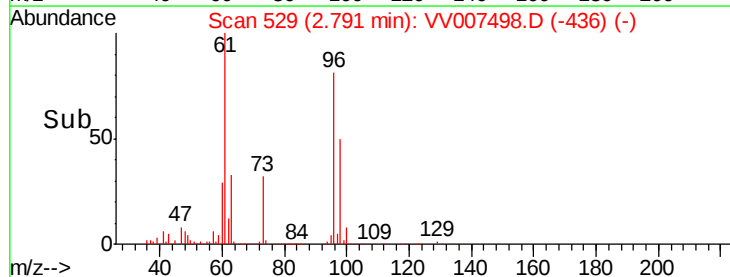
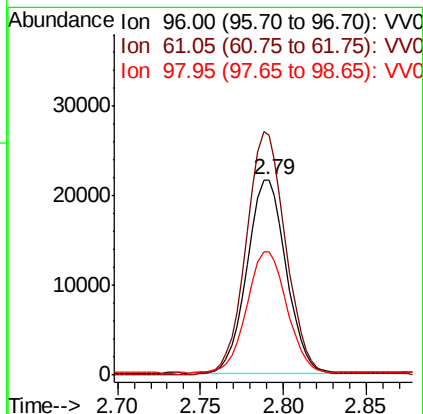
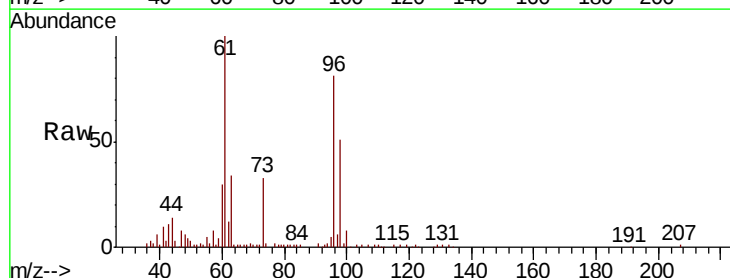
Tot Ion:	73	Resp:	83959
Ion	Ratio	Lower	Upper
73	100		
43	20.6	15.3	22.9
57	20.1	16.5	24.7

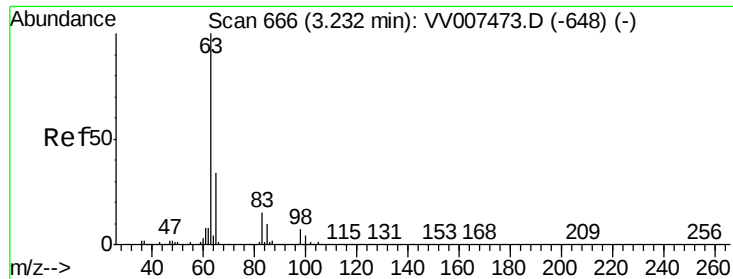


#18

trans-1,2-Dichloroethene
 Concen: 4.886 ug/L
 RT: 2.79 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VV007498.D
 Acq: 13 Sep 2018 01:52

Tgt Ion:	96	Resp:	35426
Ion	Ratio	Lower	Upper
96	100		
61	122.8	87.6	162.6
98	63.1	45.7	84.9

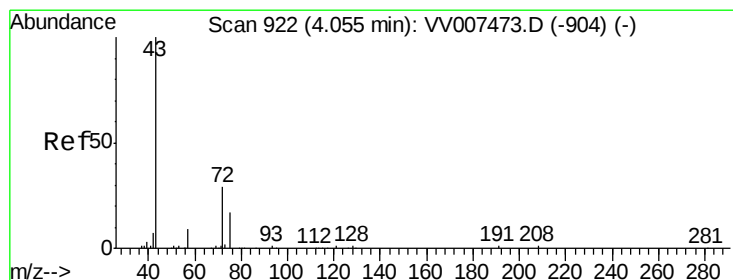
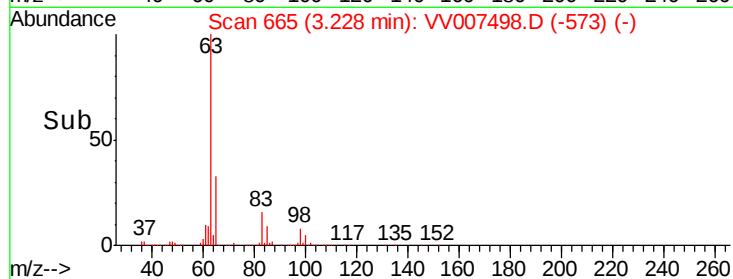
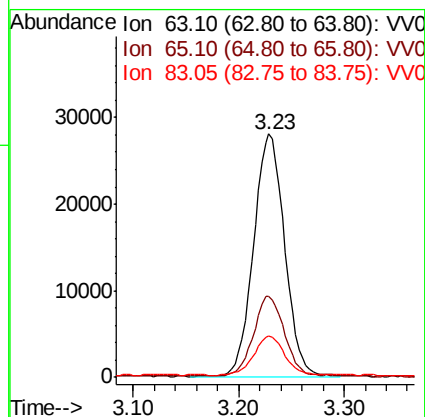
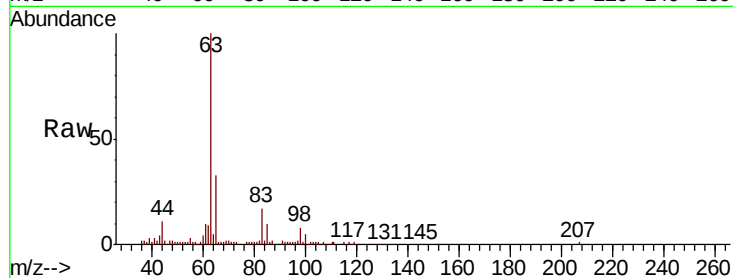




#19
 1,1-Dichloroethane
 Concen: 4.926 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VV007498.D
 Acq: 13 Sep 2018 01:52

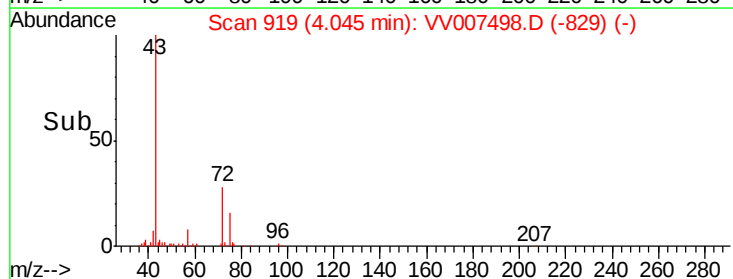
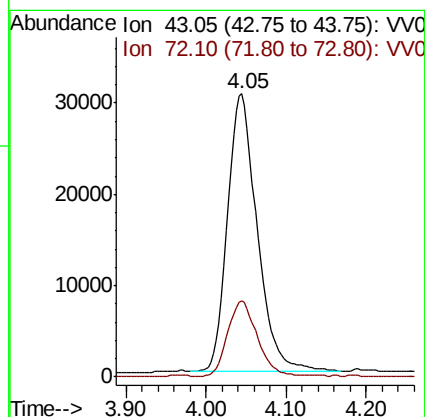
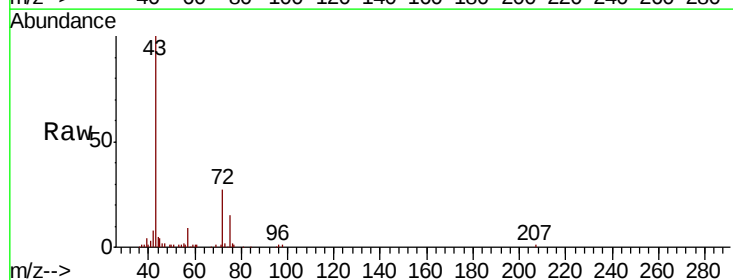
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00577

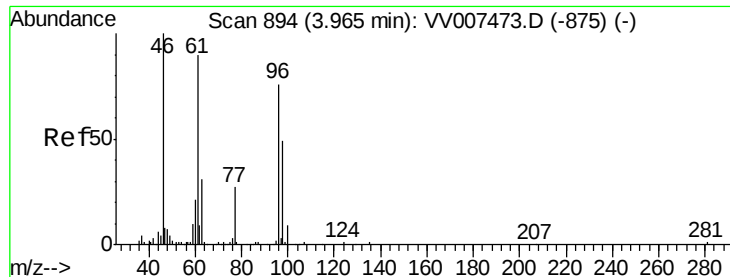
Tot Ion: 63 Resp: 58314
 Ion Ratio Lower Upper
 63 100
 65 33.5 24.0 44.6
 83 16.8 12.5 23.1



#21
 2-Butanone
 Concen: 53.718 ug/L
 RT: 4.05 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VV007498.D
 Acq: 13 Sep 2018 01:52

Tgt Ion: 43 Resp: 77184
 Ion Ratio Lower Upper
 43 100
 72 28.0 14.8 44.4



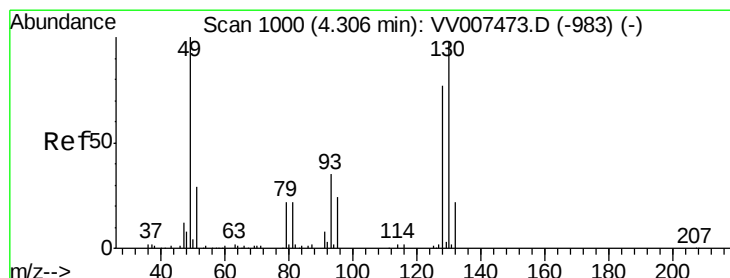
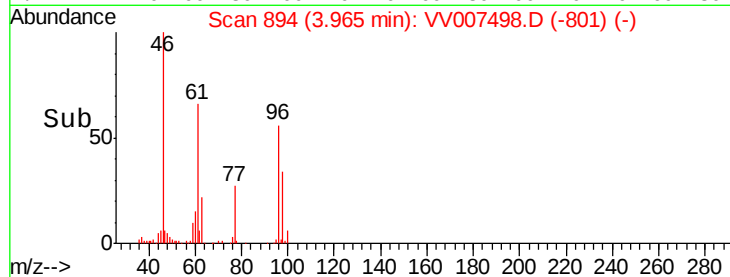
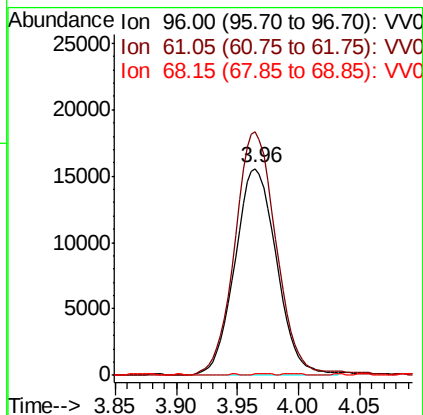
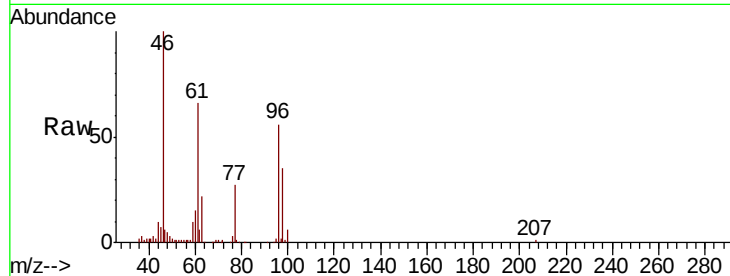


#22

cis-1,2-Dichloroethene
 Concen: 5.187 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. 0.00 min
 Lab File: VV007498.D
 Acq: 13 Sep 2018 01:52

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00577

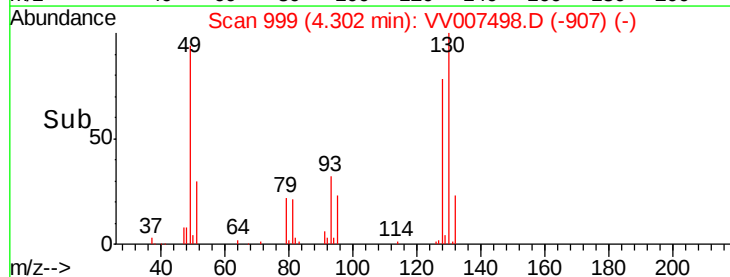
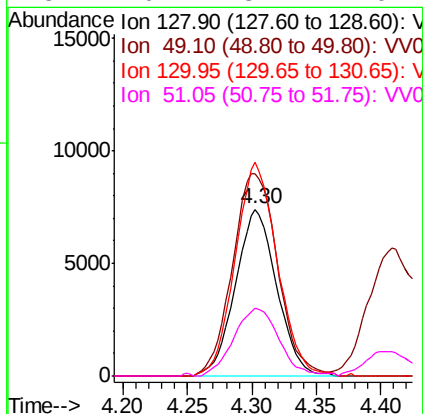
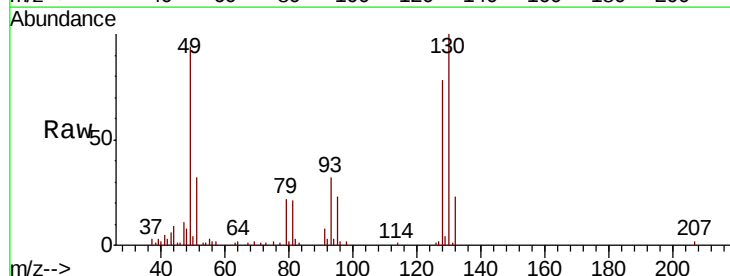
Tot Ion: 96 Resp: 36944
 Ion Ratio Lower Upper
 96 100
 61 117.7 82.6 153.4
 68 0.7 1.2 2.2#

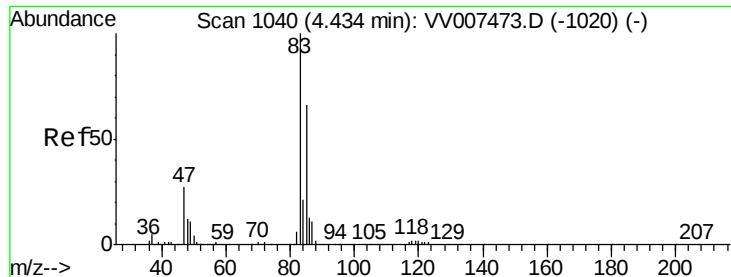


#23

Bromochloromethane
 Concen: 4.847 ug/L
 RT: 4.30 min Scan# 999
 Delta R.T. -0.00 min
 Lab File: VV007498.D
 Acq: 13 Sep 2018 01:52

Tgt Ion: 128 Resp: 16522
 Ion Ratio Lower Upper
 128 100
 49 121.0 91.1 169.1
 130 128.1 89.5 166.1
 51 40.4 32.7 49.1





#25

Chloroform

Concen: 5.028 ug/L

RT: 4.43 min Scan# 1039

Delta R.T. -0.00 min

Lab File: VV007498.D

Acq: 13 Sep 2018 01:52

Instrument :

MSVOA_V

ClientSampleId :

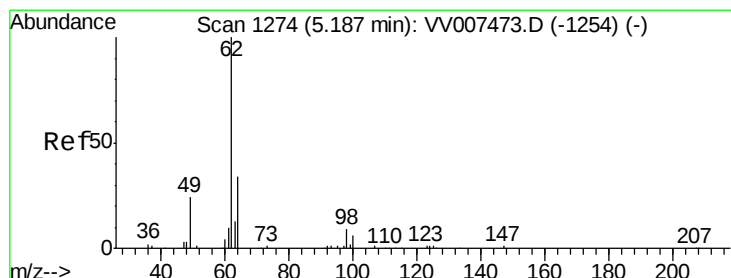
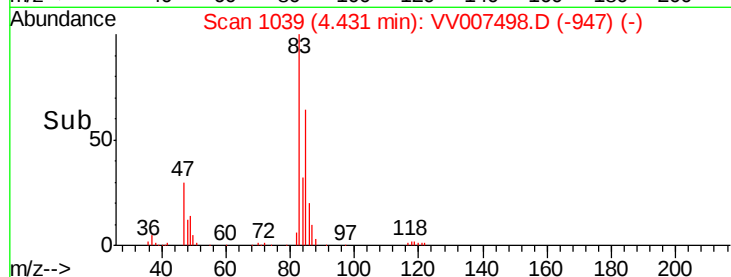
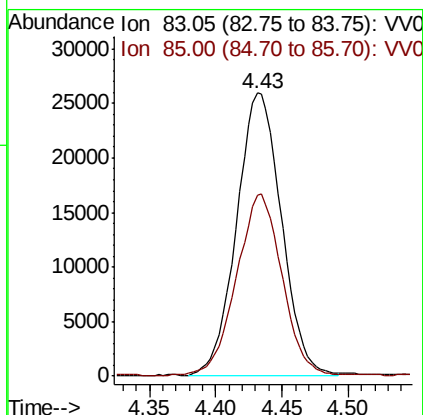
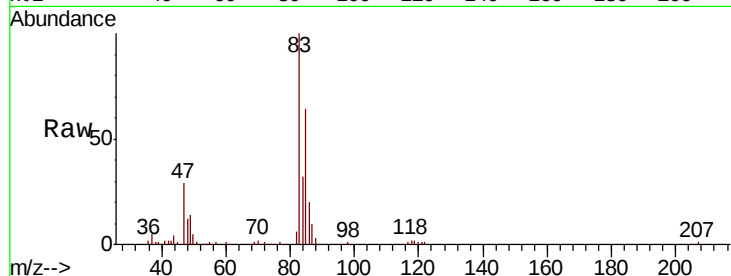
VSTD00577

Tot Ion: 83 Resp: 61393

Ion Ratio Lower Upper

83 100

85 64.1 46.6 86.6



#27

1,2-Dichloroethane

Concen: 4.961 ug/L

RT: 5.19 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VV007498.D

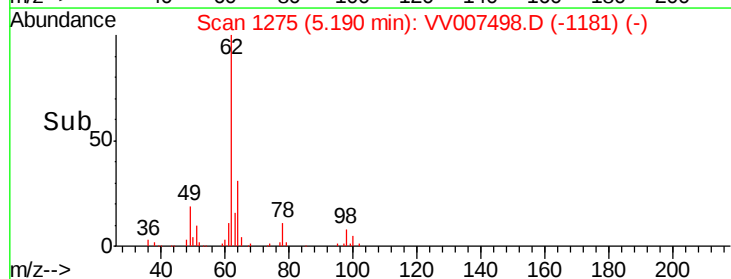
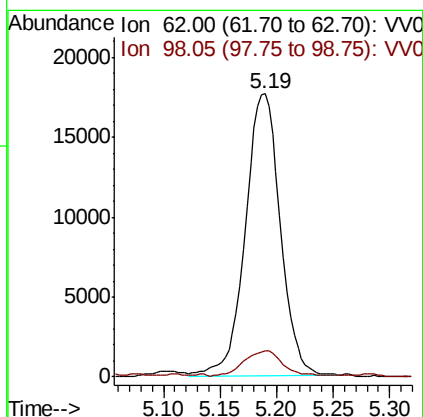
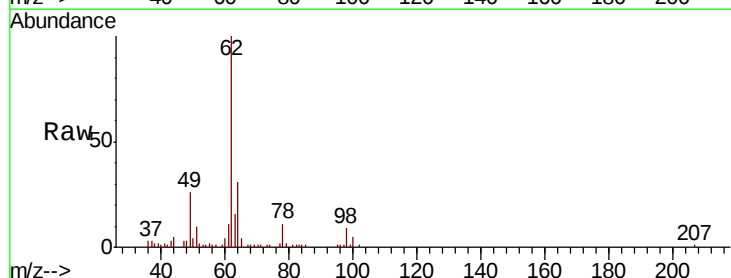
Acq: 13 Sep 2018 01:52

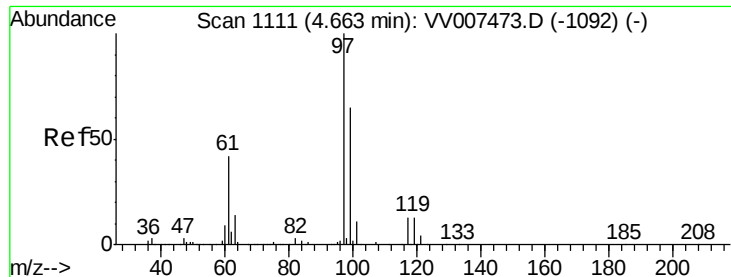
Tgt Ion: 62 Resp: 37893

Ion Ratio Lower Upper

62 100

98 9.1 9.5 14.3#

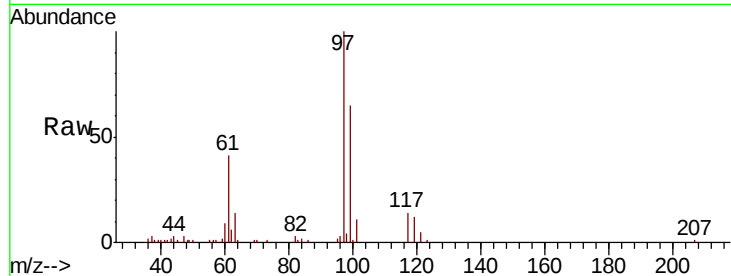




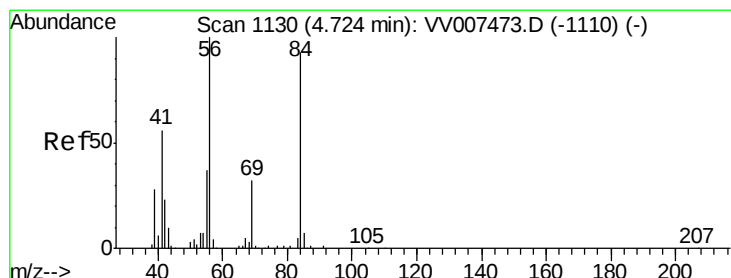
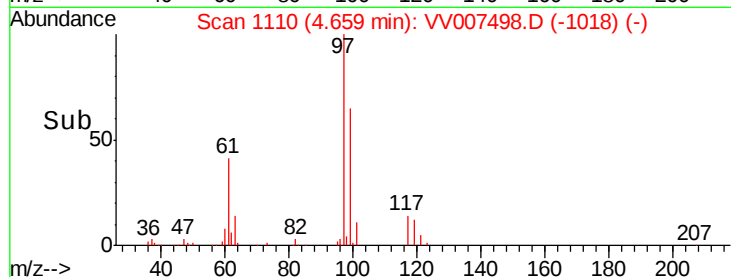
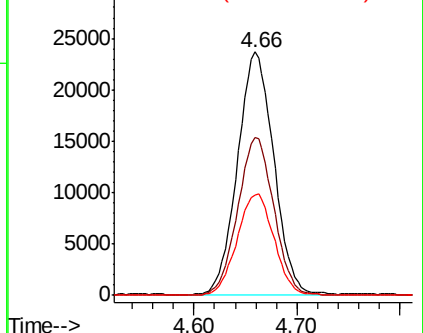
#29
 1,1,1-Trichloroethane
 Concen: 4.783 ug/L
 RT: 4.66 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VV007498.D
 Acq: 13 Sep 2018 01:52

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00577

Tot Ion: 97 Resp: 58324
 Ion Ratio Lower Upper
 97 100
 99 64.0 51.2 76.8
 61 42.1 33.4 50.2

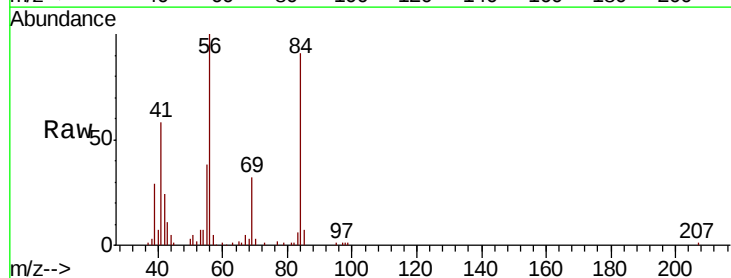


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

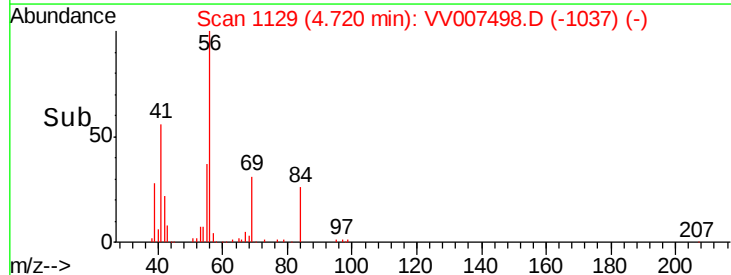
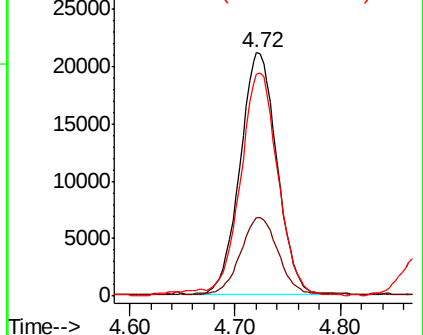


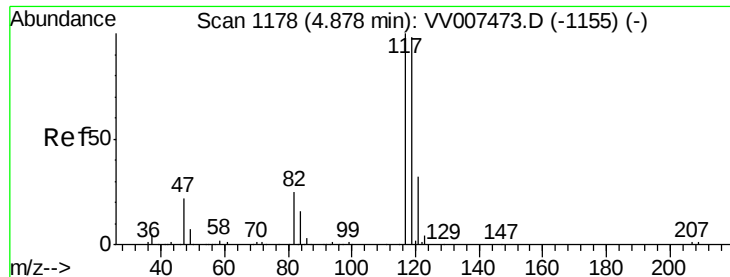
#30
 Cyclohexane
 Concen: 4.715 ug/L
 RT: 4.72 min Scan# 1129
 Delta R.T. -0.00 min
 Lab File: VV007498.D
 Acq: 13 Sep 2018 01:52

Tgt Ion: 56 Resp: 50956
 Ion Ratio Lower Upper
 56 100
 69 32.2 26.6 39.8
 84 96.9 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: 4.899 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VV007498.D

Acq: 13 Sep 2018 01:52

Instrument :

MSVOA_V

ClientSampleId :

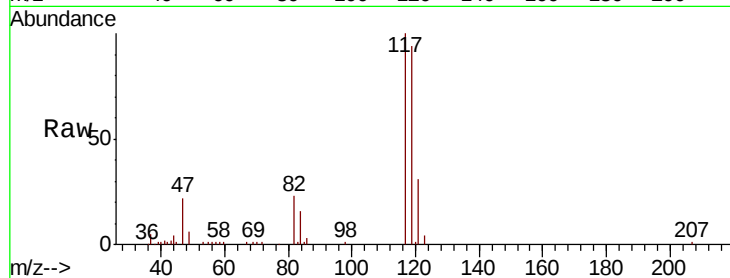
VSTD00577

Tot Ion:117 Resp: 55130

Ion Ratio Lower Upper

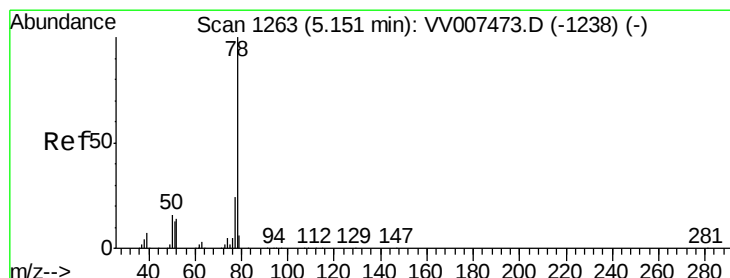
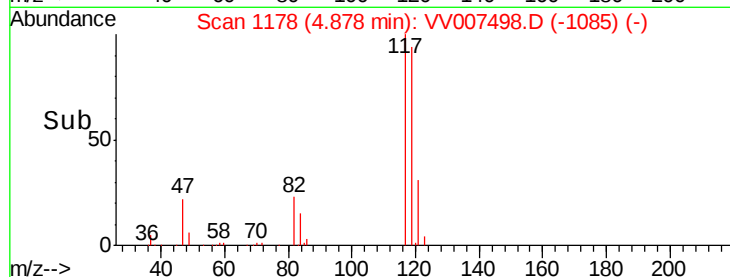
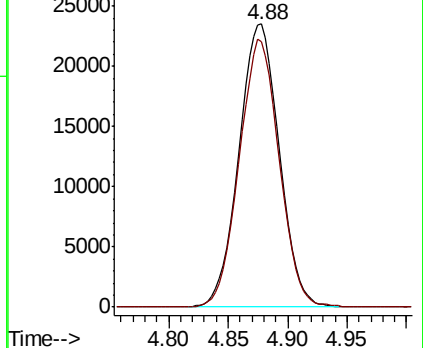
117 100

119 93.9 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: 4.923 ug/L

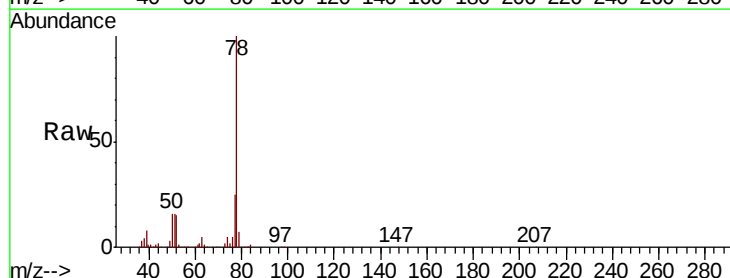
RT: 5.15 min Scan# 1263

Delta R.T. 0.00 min

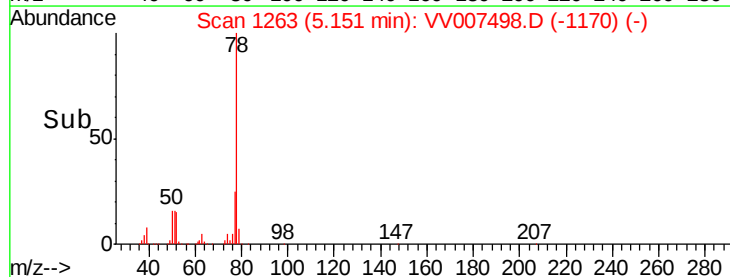
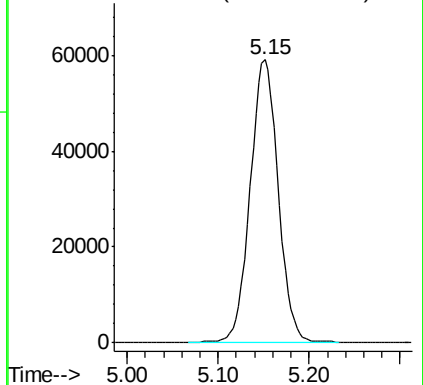
Lab File: VV007498.D

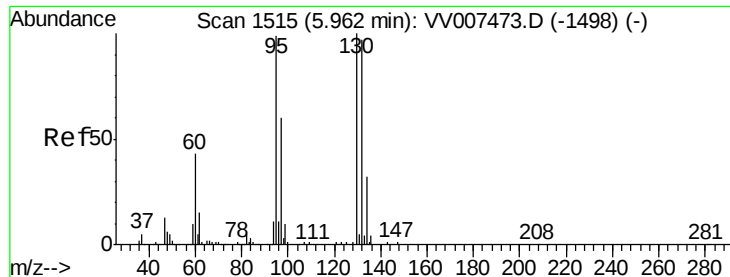
Acq: 13 Sep 2018 01:52

Tgt Ion: 78 Resp: 127033



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.985 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV007498.D

Acq: 13 Sep 2018 01:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD00577

Tot Ion: 95 Resp: 38787

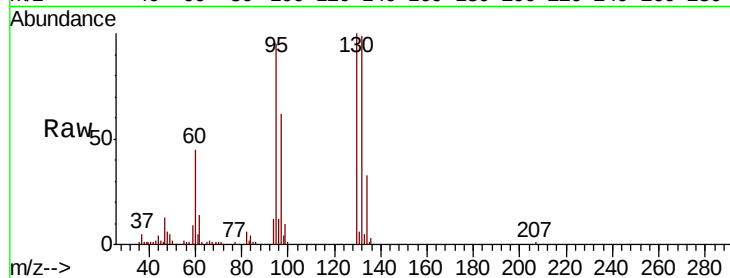
Ion Ratio Lower Upper

95 100

97 65.5 42.8 79.4

132 103.8 67.6 125.6

130 104.9 69.6 129.2

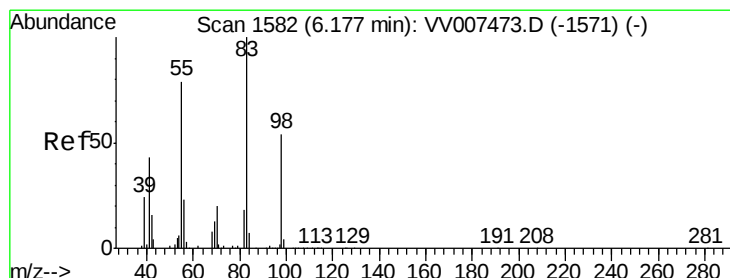
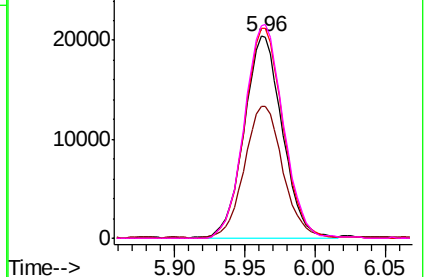


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 4.897 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VV007498.D

Acq: 13 Sep 2018 01:52

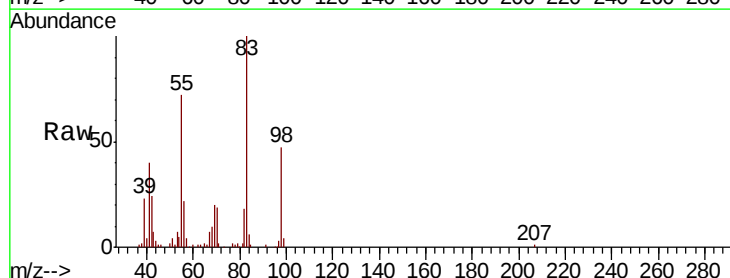
Tgt Ion: 83 Resp: 59120

Ion Ratio Lower Upper

83 100

55 69.8 57.4 86.0

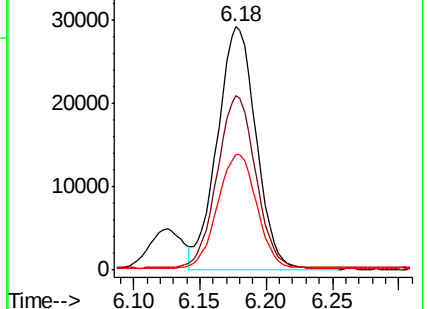
98 48.4 38.8 58.2

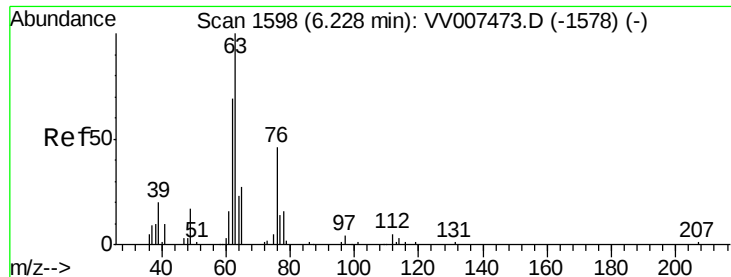


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 4.712 ug/L

RT: 6.23 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VV007498.D

Acq: 13 Sep 2018 01:52

Instrument :

MSVOA_V

ClientSampleId :

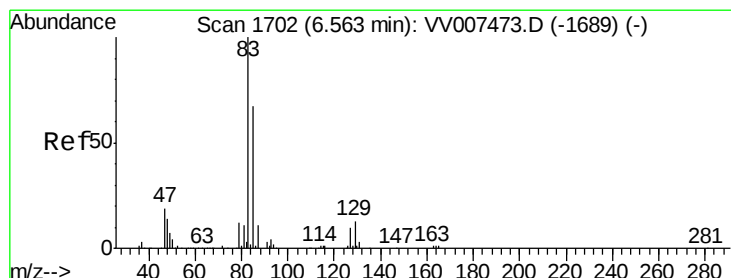
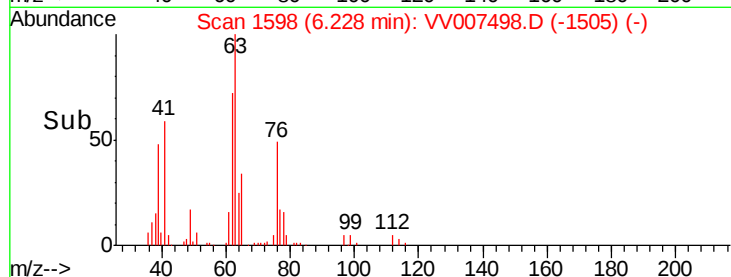
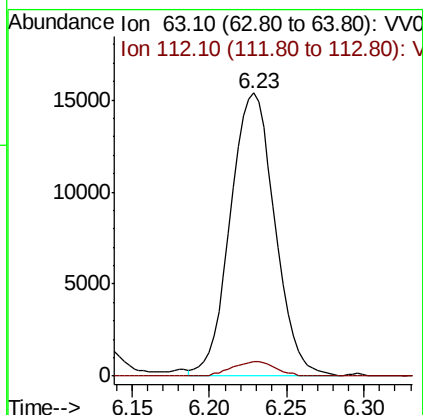
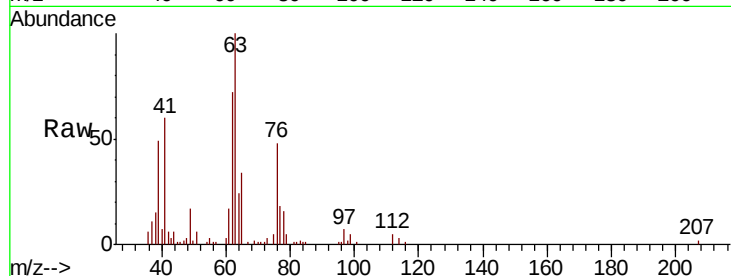
VSTD00577

Tot Ion: 63 Resp: 30792

Ion Ratio Lower Upper

63 100

112 5.0 3.7 5.5



#38

Bromodichloromethane

Concen: 5.026 ug/L

RT: 6.56 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VV007498.D

Acq: 13 Sep 2018 01:52

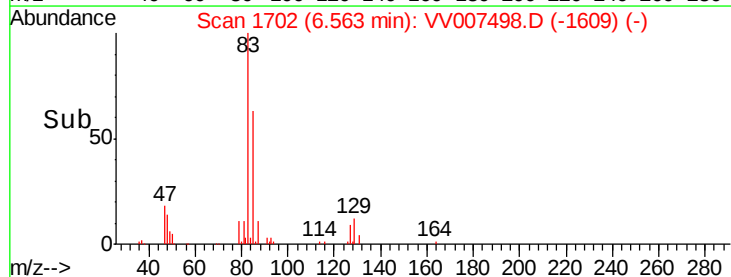
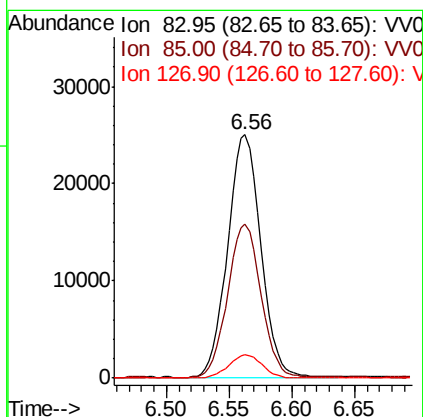
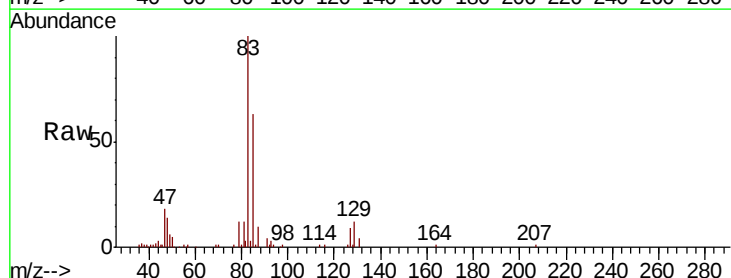
Tgt Ion: 83 Resp: 46481

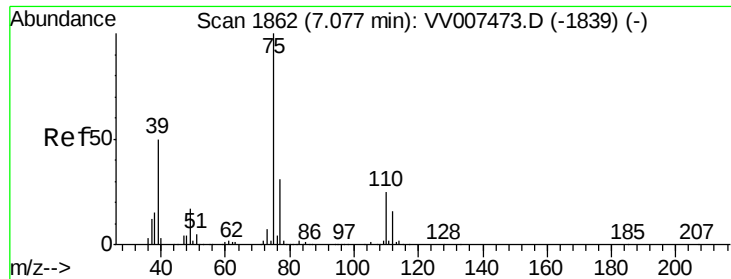
Ion Ratio Lower Upper

83 100

85 63.1 47.0 87.2

127 9.4 7.8 11.6

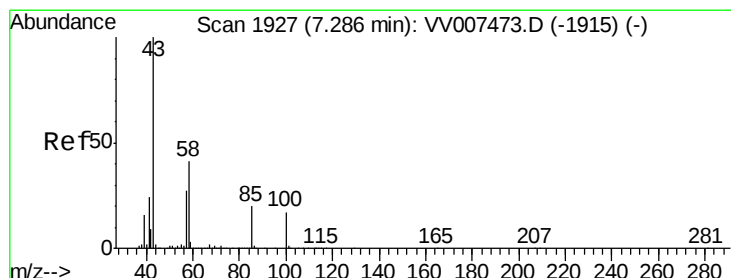
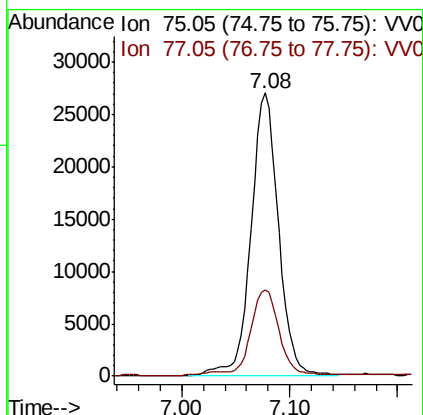
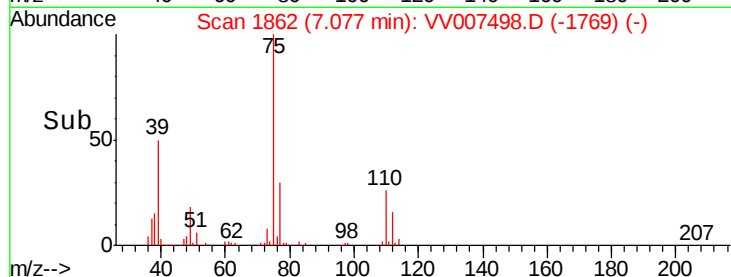
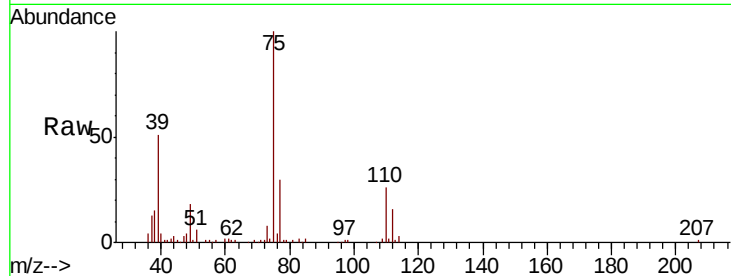




#39
 cis-1,3-Dichloropropene
 Concen: 4.571 ug/L
 RT: 7.08 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VV007498.D
 Acq: 13 Sep 2018 01:52

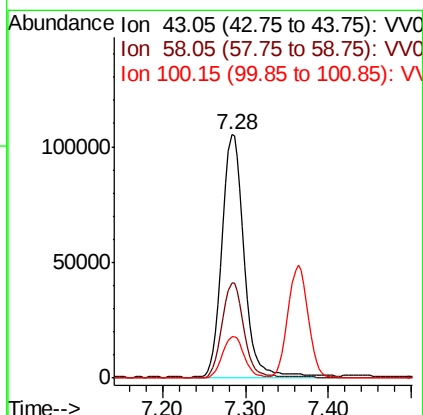
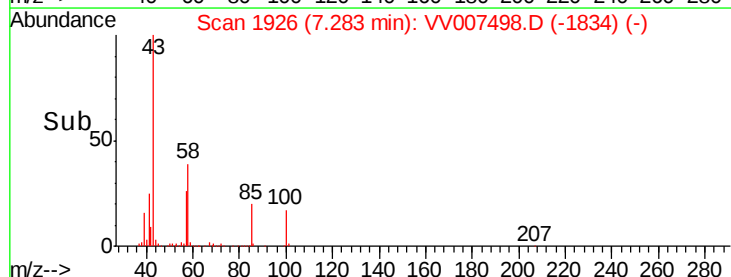
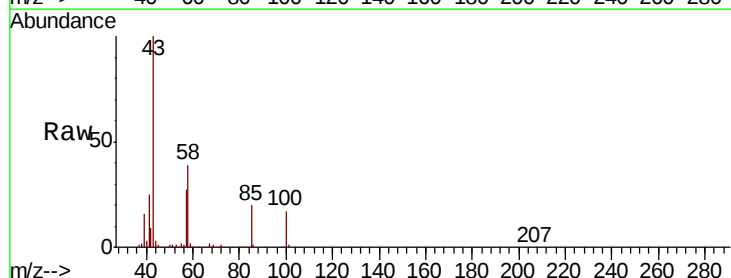
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00577

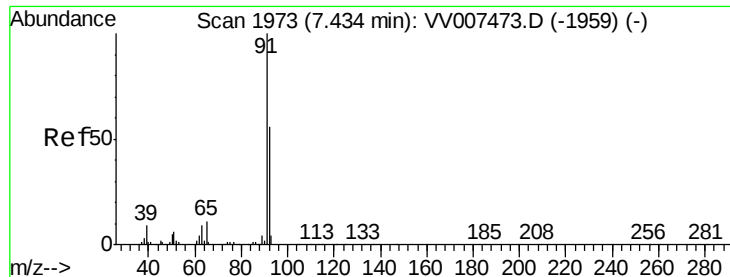
Tot Ion: 75 Resp: 48070
 Ion Ratio Lower Upper
 75 100
 77 30.5 22.7 42.1



#40
 4-Methyl-2-pentanone
 Concen: 51.814 ug/L
 RT: 7.28 min Scan# 1926
 Delta R.T. -0.00 min
 Lab File: VV007498.D
 Acq: 13 Sep 2018 01:52

Tgt Ion: 43 Resp: 192834
 Ion Ratio Lower Upper
 43 100
 58 39.2 32.2 48.2
 100 16.9 13.6 20.4





#42

Toluene

Concen: 4.965 ug/L

RT: 7.44 min Scan# 1974

Delta R.T. 0.00 min

Lab File: VV007498.D

Acq: 13 Sep 2018 01:52

Instrument :

MSVOA_V

ClientSampleId :

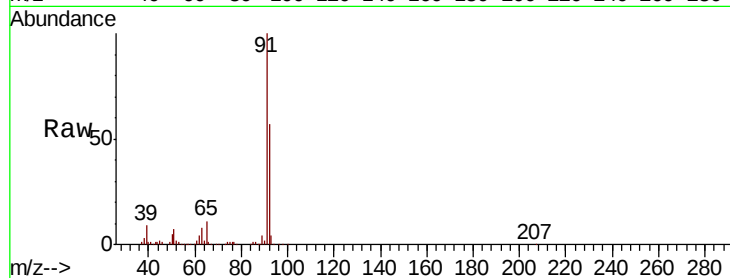
VSTD00577

Tot Ion: 91 Resp: 141863

Ion Ratio Lower Upper

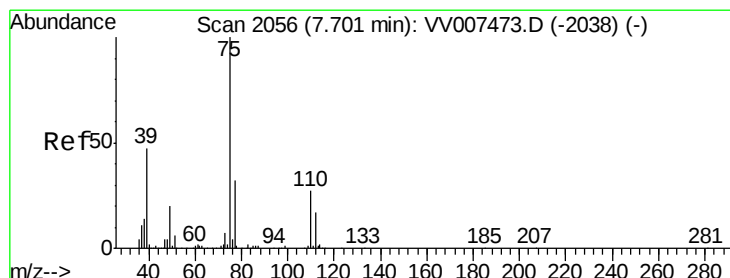
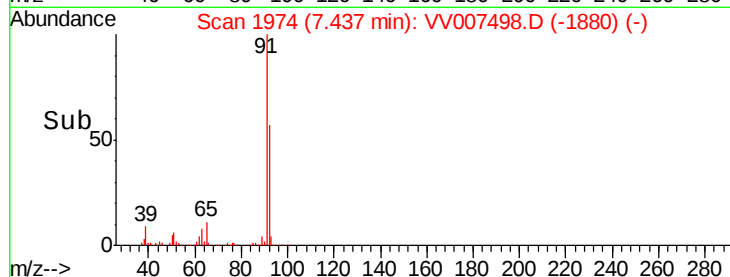
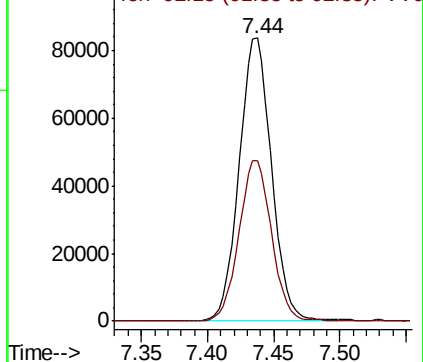
91 100

92 56.6 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: 4.557 ug/L

RT: 7.70 min Scan# 2056

Delta R.T. 0.00 min

Lab File: VV007498.D

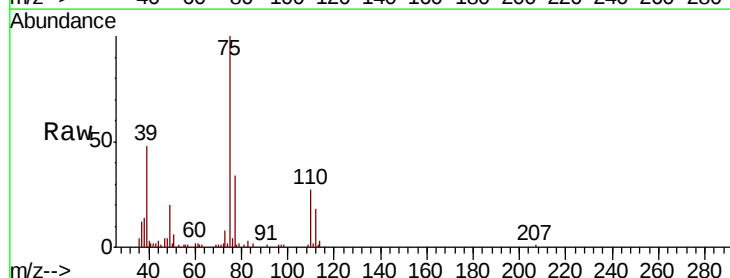
Acq: 13 Sep 2018 01:52

Tgt Ion: 75 Resp: 40228

Ion Ratio Lower Upper

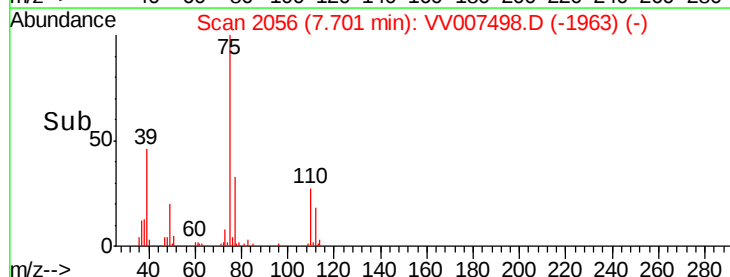
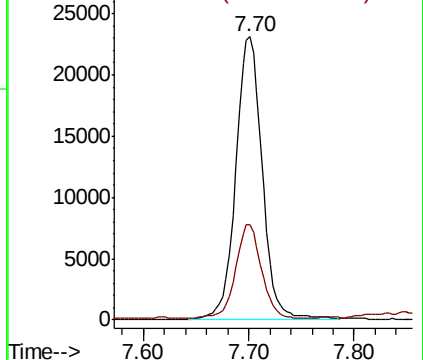
75 100

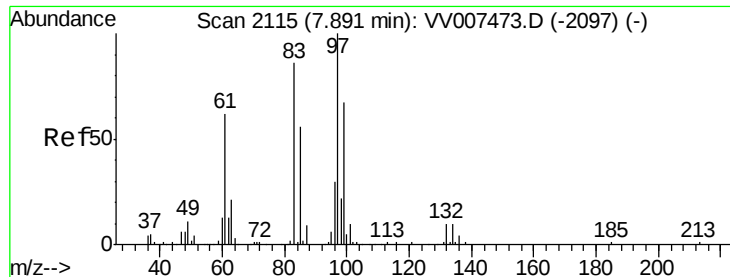
77 33.6 23.0 42.8



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

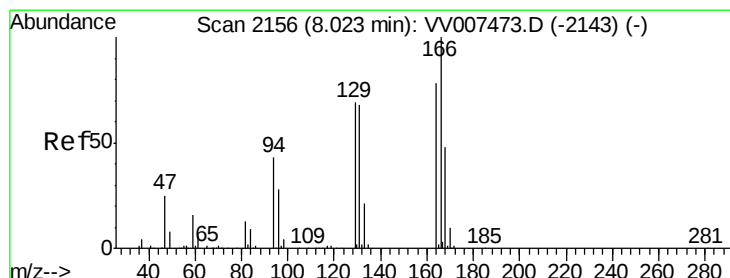
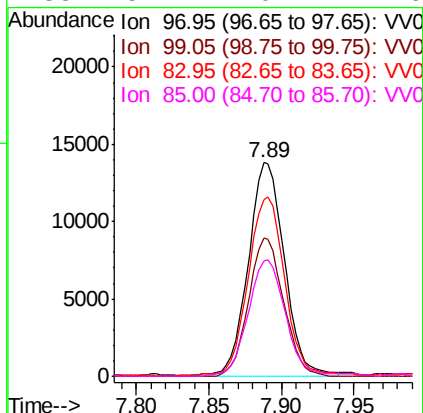
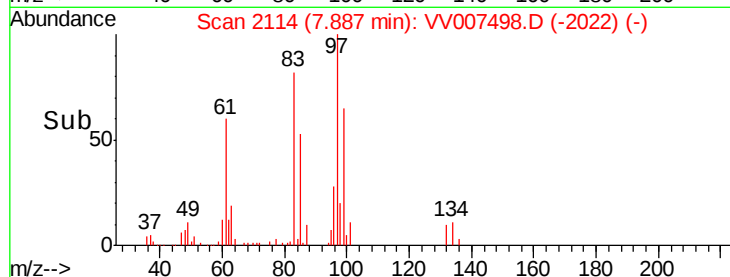
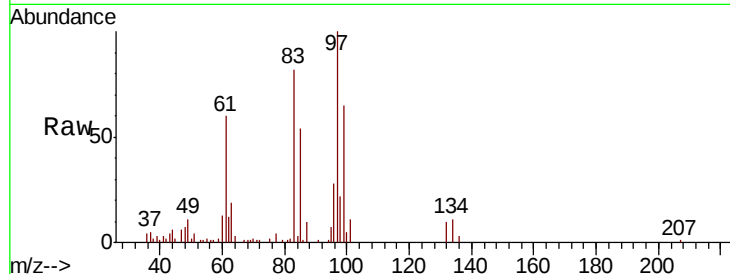




#45
 1,1,2-Trichloroethane
 Concen: 4.866 ug/L
 RT: 7.89 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VV007498.D
 Acq: 13 Sep 2018 01:52

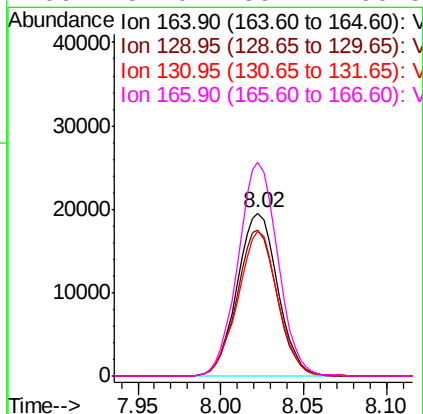
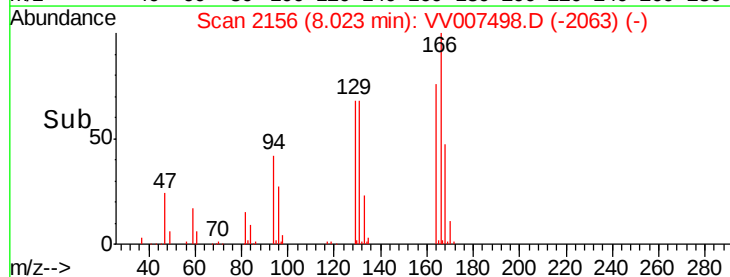
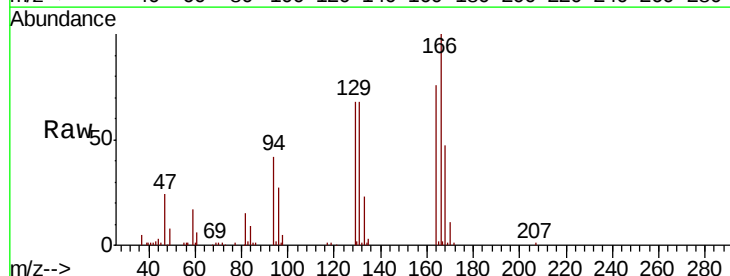
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00577

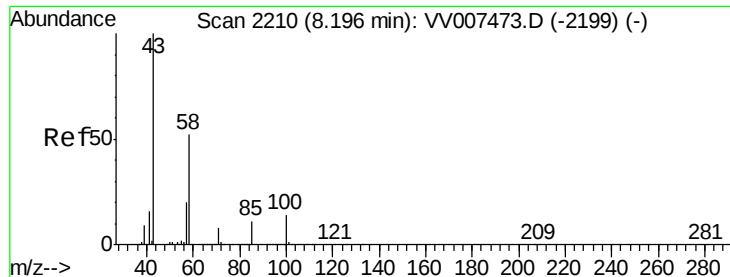
Tot Ion:	97	Resp:	24073
Ion	Ratio	Lower	Upper
97	100		
99	64.7	46.2	85.8
83	82.5	60.5	112.3
85	54.2	40.2	74.6



#47
 Tetrachloroethene
 Concen: 4.987 ug/L
 RT: 8.02 min Scan# 2156
 Delta R.T. 0.00 min
 Lab File: VV007498.D
 Acq: 13 Sep 2018 01:52

Tgt Ion:	164	Resp:	33195
Ion	Ratio	Lower	Upper
164	100		
129	89.4	62.7	116.5
131	89.0	60.5	112.5
166	131.0	89.7	166.5

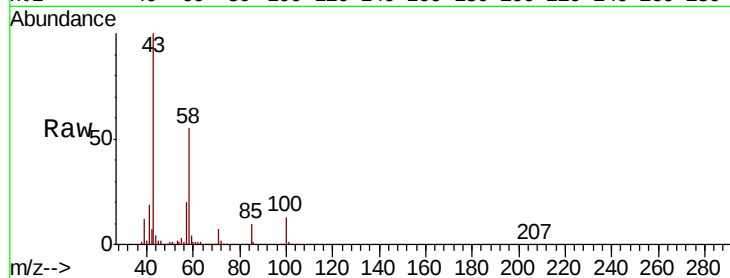




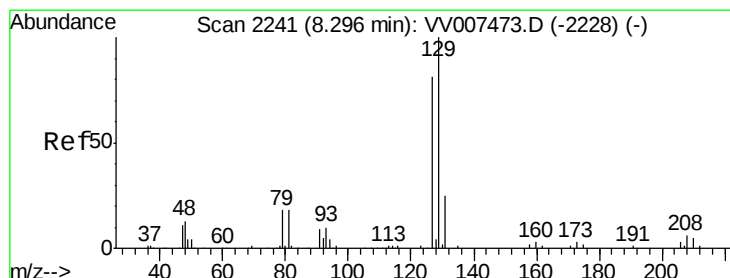
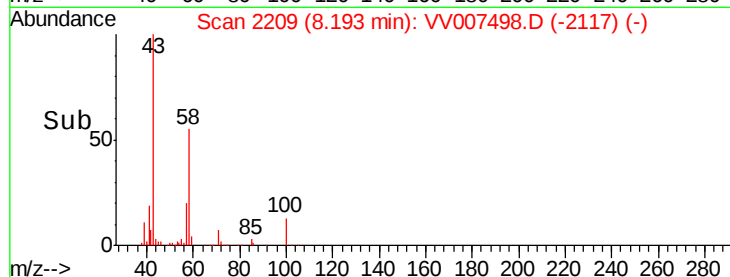
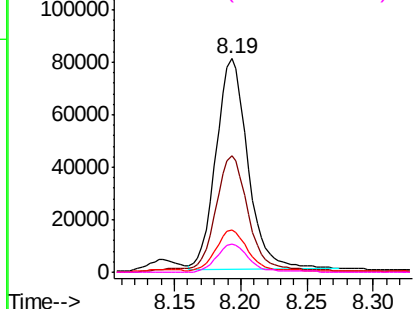
#48
2-Hexanone
Concen: 49.842 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VV007498.D
Acq: 13 Sep 2018 01:52

Instrument :
MSVOA_V
ClientSampleId :
VSTD00577

Tot Ion: 43 Resp: 135025
Ion Ratio Lower Upper
43 100
58 56.8 47.9 71.9
57 19.9 16.2 24.2
100 13.4 11.0 16.4

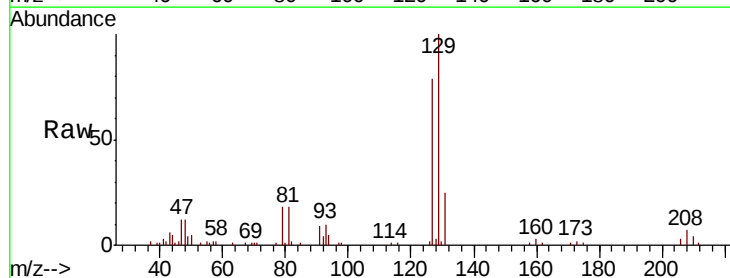


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

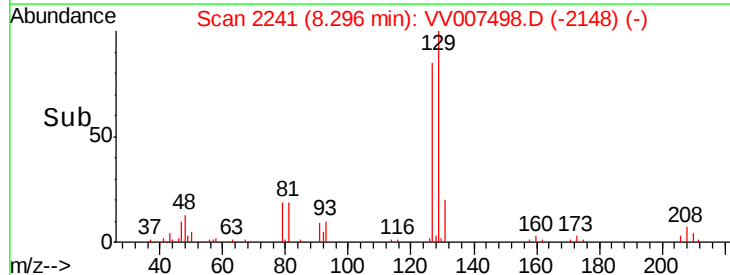
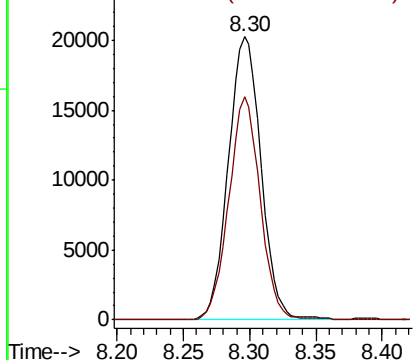


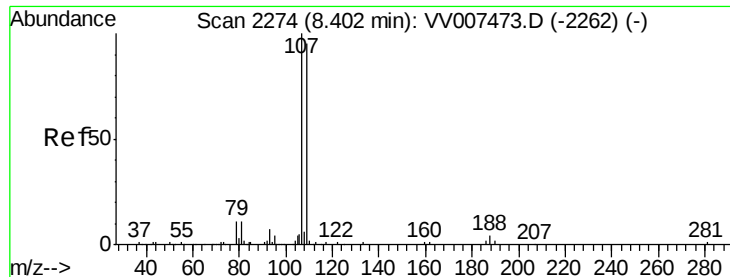
#49
Dibromochloromethane
Concen: 5.083 ug/L
RT: 8.30 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VV007498.D
Acq: 13 Sep 2018 01:52

Tgt Ion: 129 Resp: 34793
Ion Ratio Lower Upper
129 100
127 78.8 56.3 104.5



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

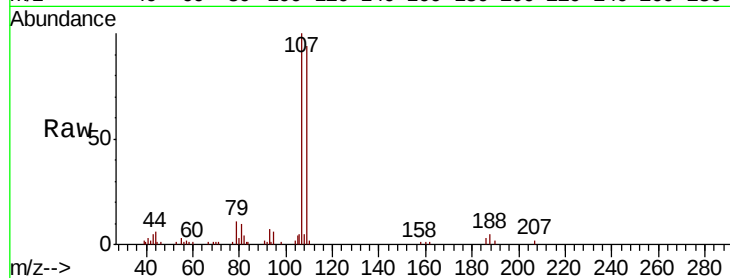




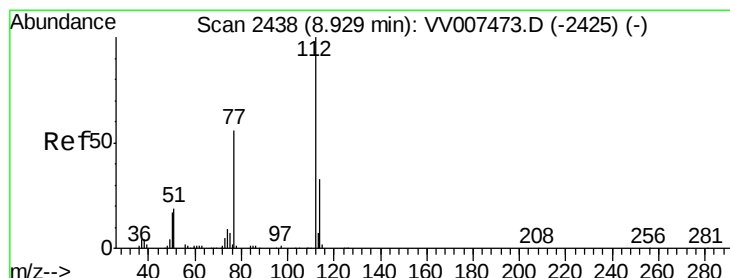
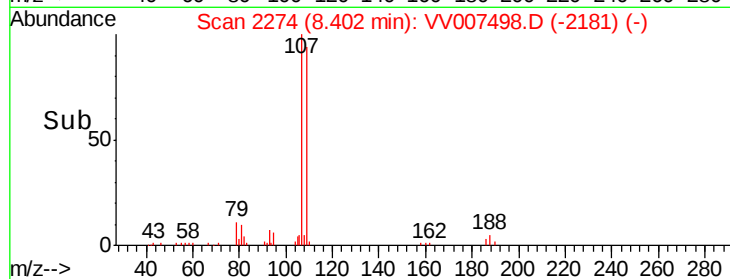
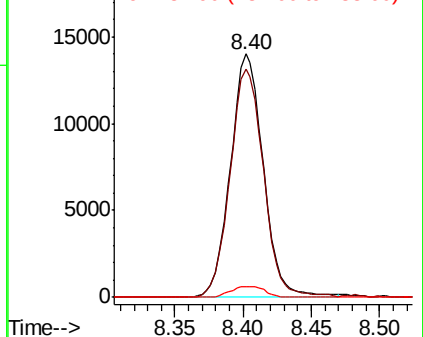
#50
 1,2-Dibromoethane
 Concen: 4.857 ug/L
 RT: 8.40 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VV007498.D
 Acq: 13 Sep 2018 01:52

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00577

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.9	67.1	124.5
188	4.5	3.2	4.8

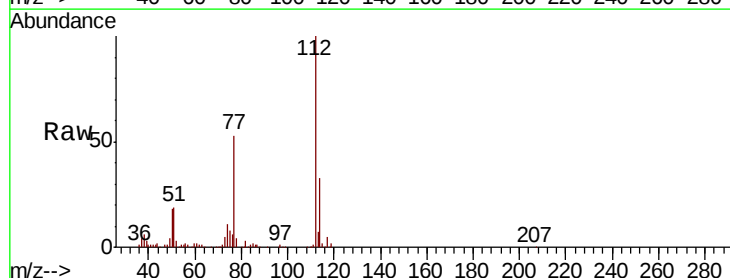


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

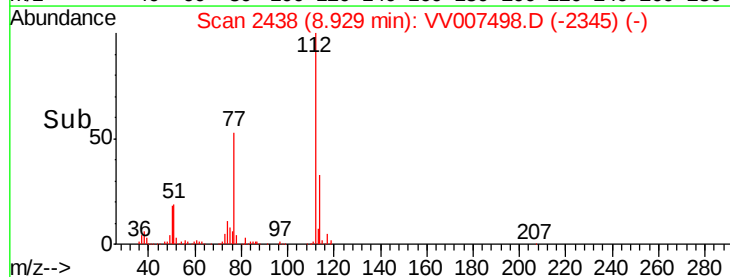
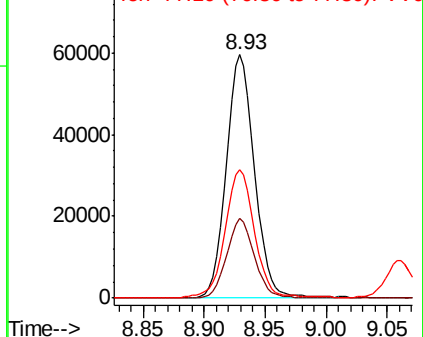


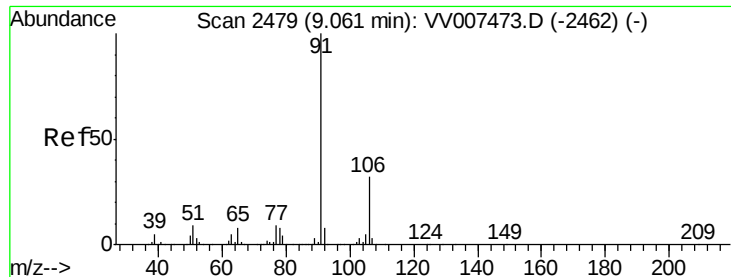
#51
 Chlorobenzene
 Concen: 4.985 ug/L
 RT: 8.93 min Scan# 2438
 Delta R.T. 0.00 min
 Lab File: VV007498.D
 Acq: 13 Sep 2018 01:52

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.6	22.8	42.4
77	52.8	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): V





#52

Ethylbenzene

Concen: 4.953 ug/L

RT: 9.06 min Scan# 2479

Delta R.T. 0.00 min

Lab File: VV007498.D

Acq: 13 Sep 2018 01:52

Instrument :

MSVOA_V

ClientSampleId :

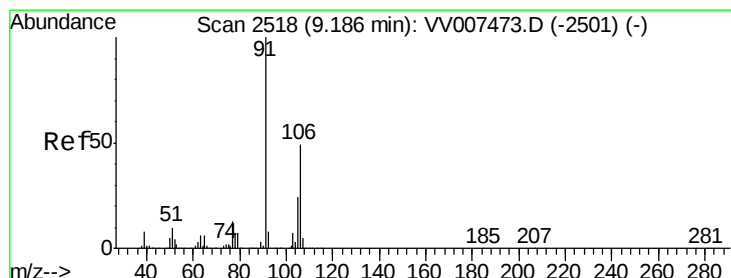
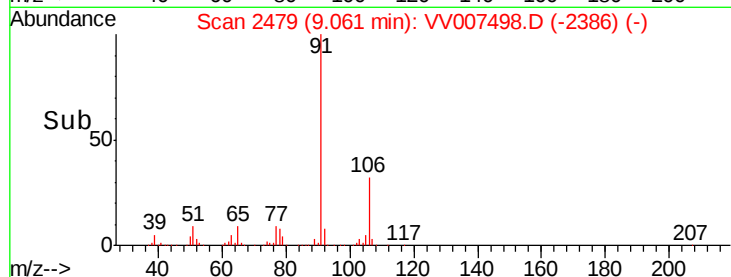
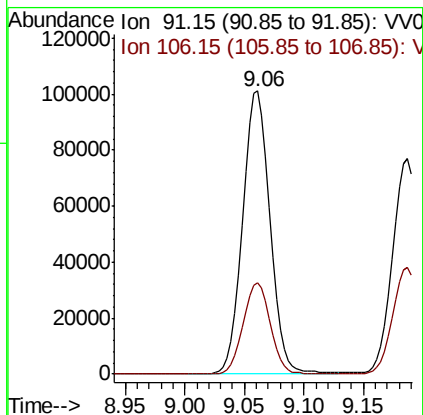
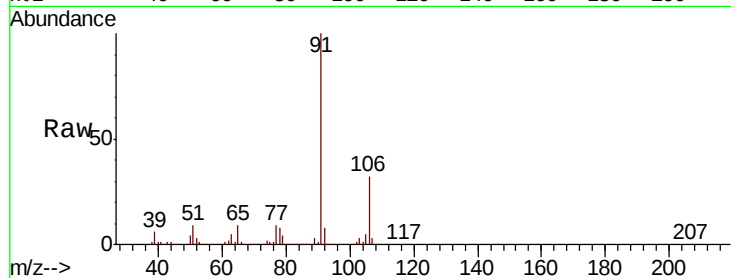
VSTD00577

Tot Ion: 91 Resp: 161328

Ion Ratio Lower Upper

91 100

106 32.4 22.7 42.1



#53

m,p-xylene

Concen: 4.957 ug/L

RT: 9.19 min Scan# 2518

Delta R.T. 0.00 min

Lab File: VV007498.D

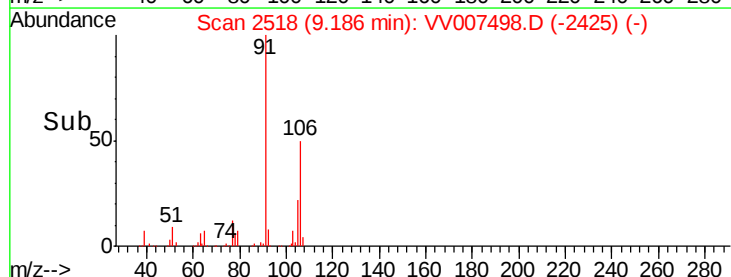
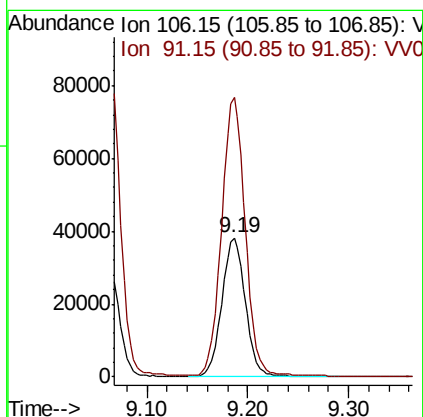
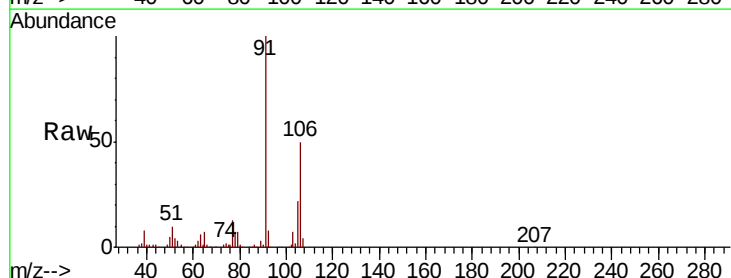
Acq: 13 Sep 2018 01:52

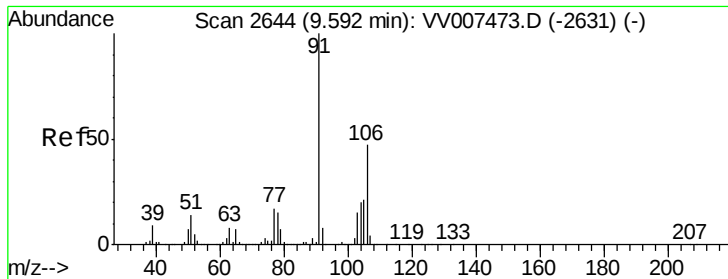
Tgt Ion: 106 Resp: 62798

Ion Ratio Lower Upper

106 100

91 201.3 142.3 264.3





#54

o-xylene

Concen: 4.953 ug/L

RT: 9.59 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VV007498.D

Acq: 13 Sep 2018 01:52

Instrument :

MSVOA_V

ClientSampleId :

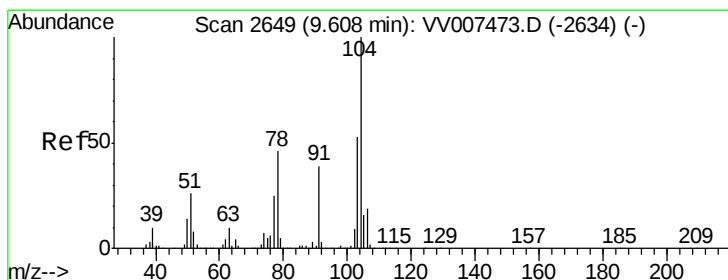
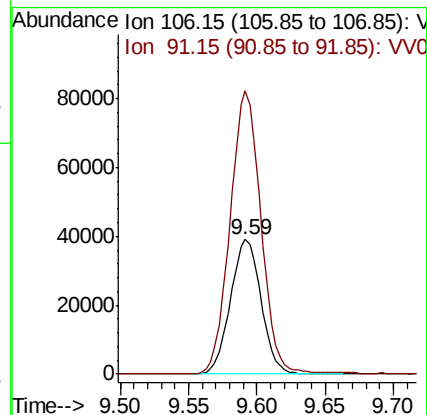
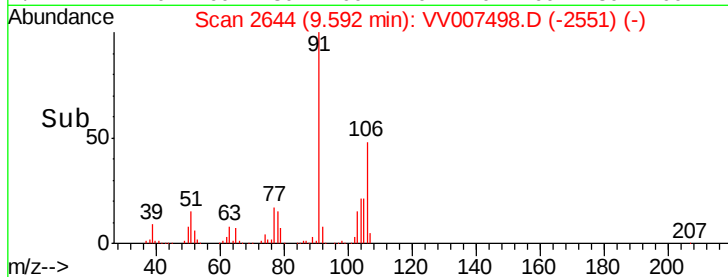
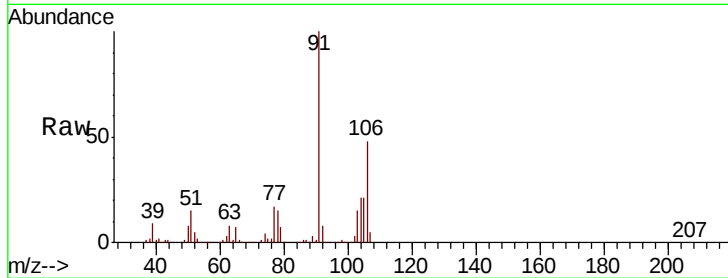
VSTD00577

Tot Ion:106 Resp: 61262

Ion Ratio Lower Upper

106 100

91 210.3 149.9 278.3



#55

Styrene

Concen: 5.044 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. 0.00 min

Lab File: VV007498.D

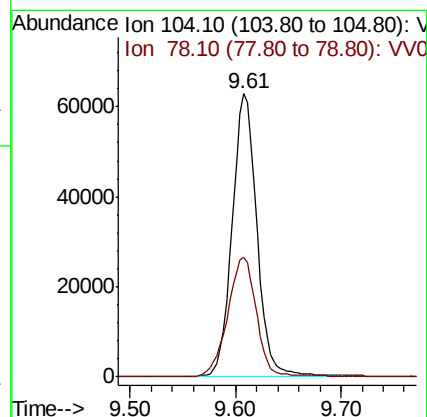
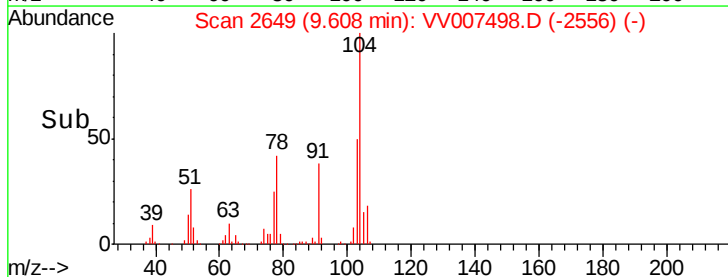
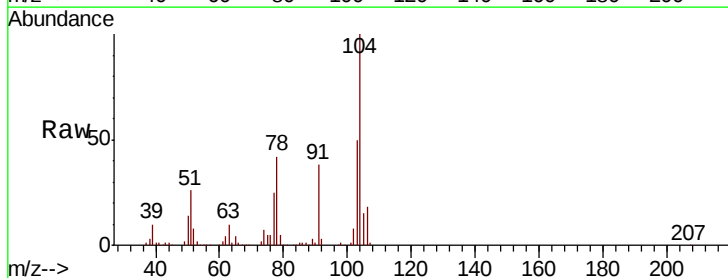
Acq: 13 Sep 2018 01:52

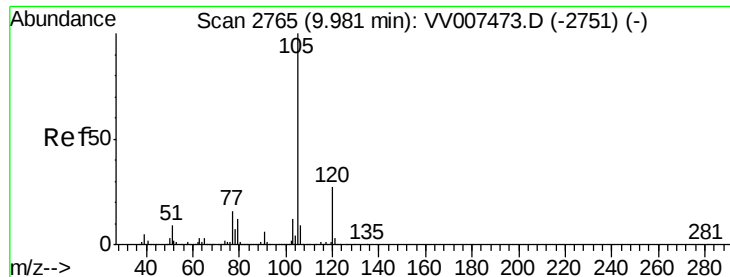
Tgt Ion:104 Resp: 102207

Ion Ratio Lower Upper

104 100

78 42.2 32.4 60.2





#56

Isopropylbenzene

Concen: 4.983 ug/L

RT: 9.98 min Scan# 2765

Delta R.T. 0.00 min

Lab File: VV007498.D

Acq: 13 Sep 2018 01:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD00577

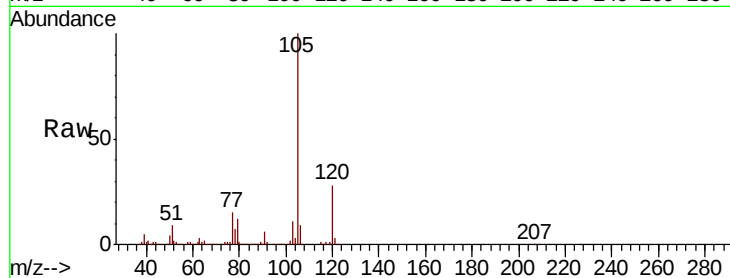
Tot Ion:105 Resp: 165969

Ion Ratio Lower Upper

105 100

120 27.4 21.8 32.8

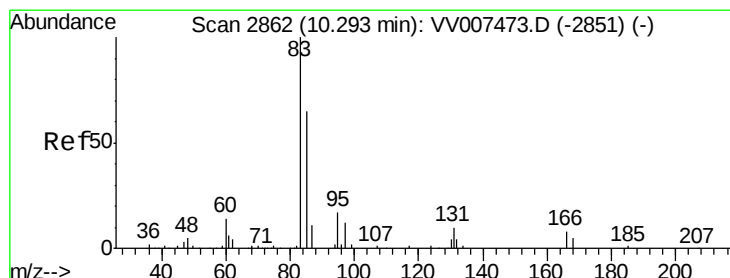
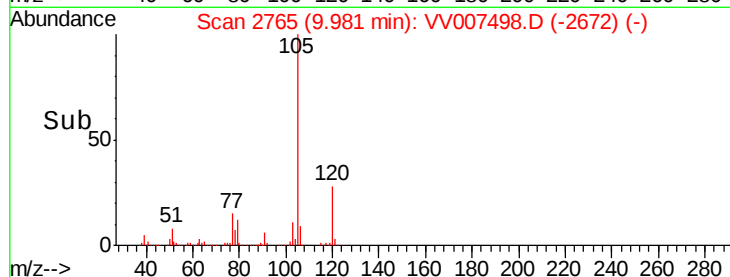
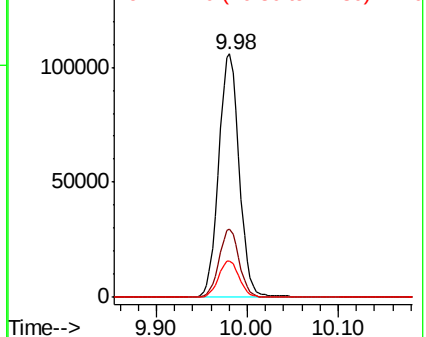
77 15.2 12.6 18.8



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: 4.653 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV007498.D

Acq: 13 Sep 2018 01:52

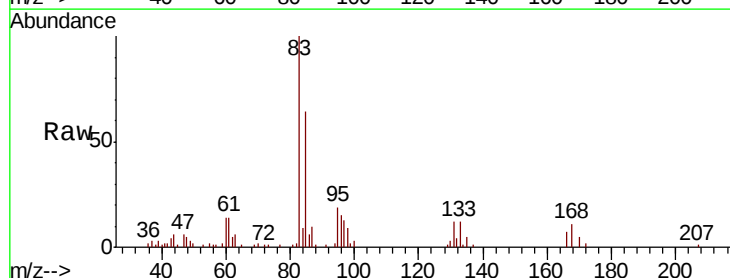
Tgt Ion: 83 Resp: 25242

Ion Ratio Lower Upper

83 100

85 63.9 48.2 89.4

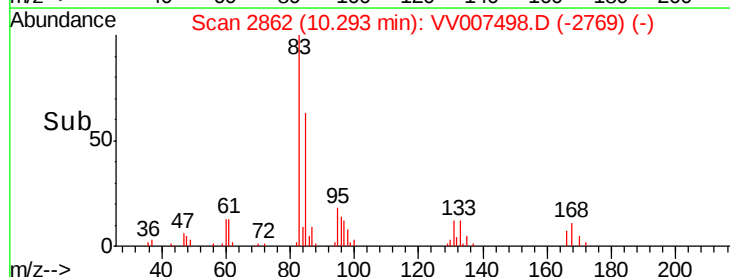
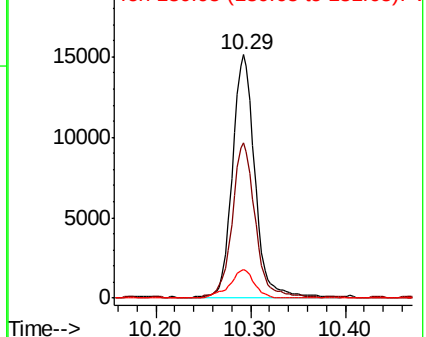
131 11.9 8.9 13.3

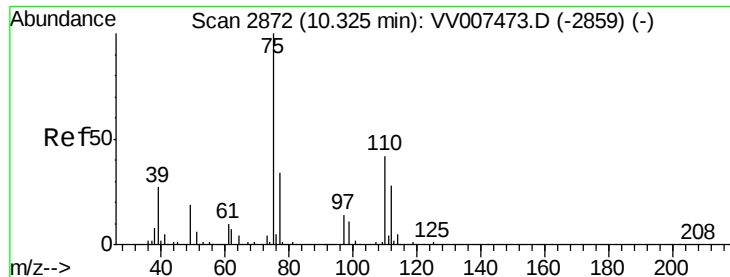


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.820 ug/L

RT: 10.32 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VV007498.D

Acq: 13 Sep 2018 01:52

Instrument :

MSVOA_V

ClientSampleId :

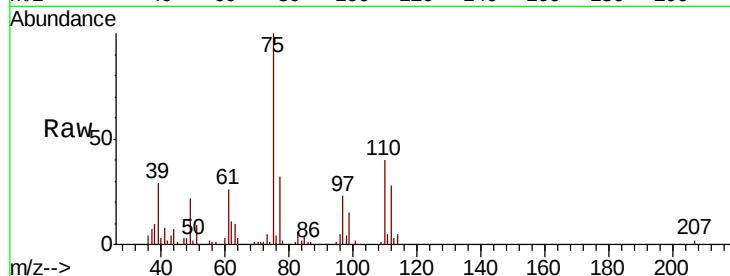
VSTD00577

Tot Ion: 75 Resp: 20055

Ion Ratio Lower Upper

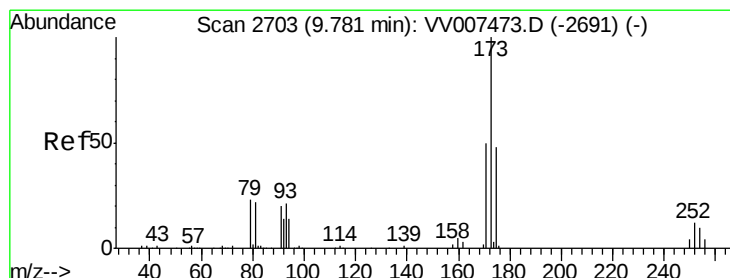
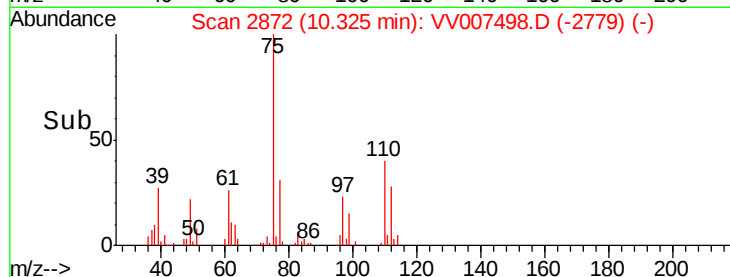
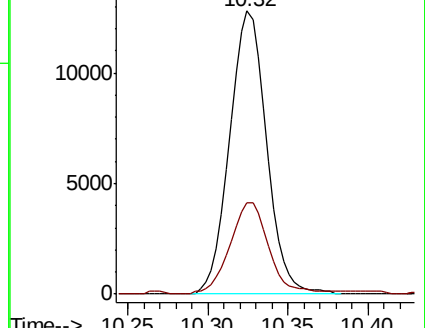
75 100

77 34.2 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VV007473.D (-2859) (-)

Ion 77.00 (76.70 to 77.70): VV007473.D (-2859) (-)



#61

Bromoform

Concen: 4.888 ug/L

RT: 9.78 min Scan# 2703

Delta R.T. 0.00 min

Lab File: VV007498.D

Acq: 13 Sep 2018 01:52

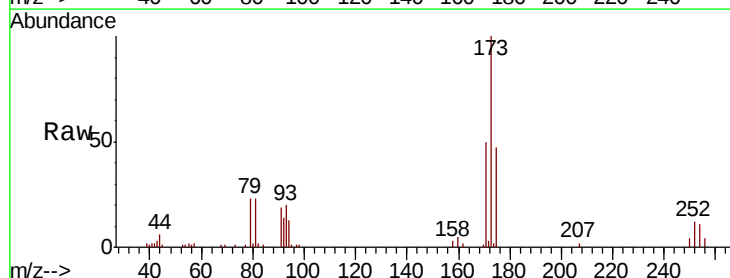
Tgt Ion: 173 Resp: 21618

Ion Ratio Lower Upper

173 100

175 47.4 40.5 60.7

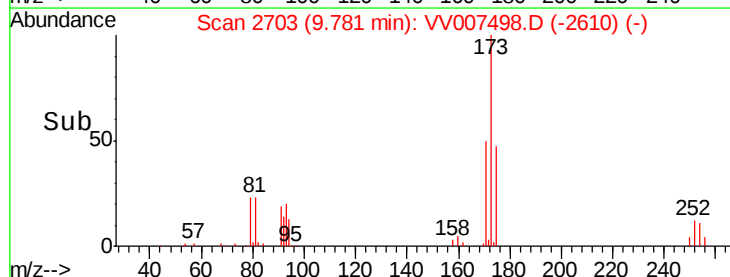
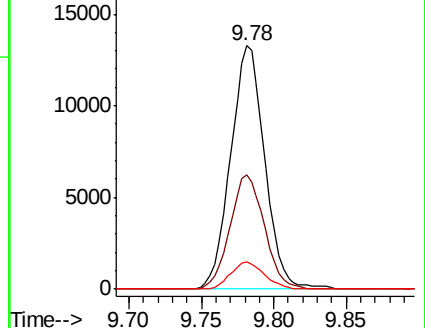
254 11.0 9.2 13.8

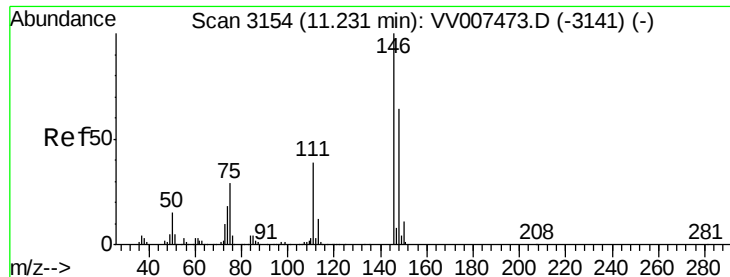


Abundance Ion 172.90 (172.60 to 173.60): VV007473.D (-2691) (-)

Ion 174.90 (174.60 to 175.60): VV007473.D (-2691) (-)

Ion 253.75 (253.45 to 254.45): VV007473.D (-2691) (-)

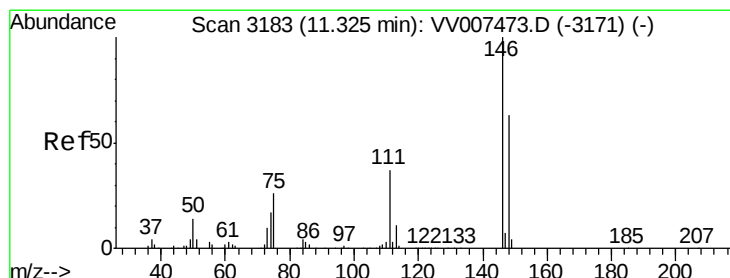
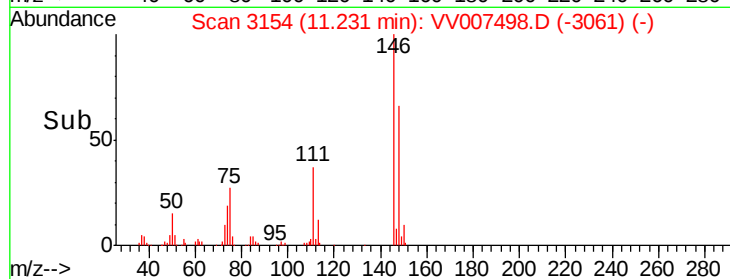
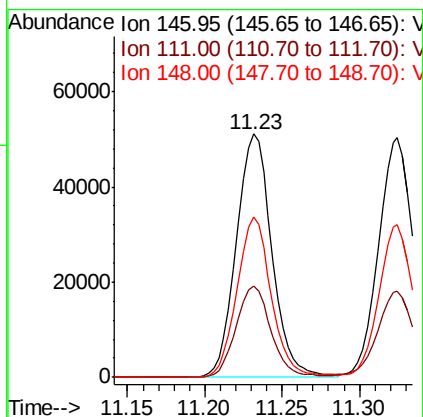
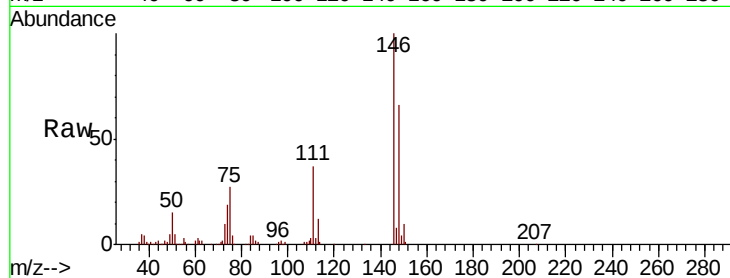




#62
 1,3-Dichlorobenzene
 Concen: 5.036 ug/L
 RT: 11.23 min Scan# 3154
 Delta R.T. 0.00 min
 Lab File: VV007498.D
 Acq: 13 Sep 2018 01:52

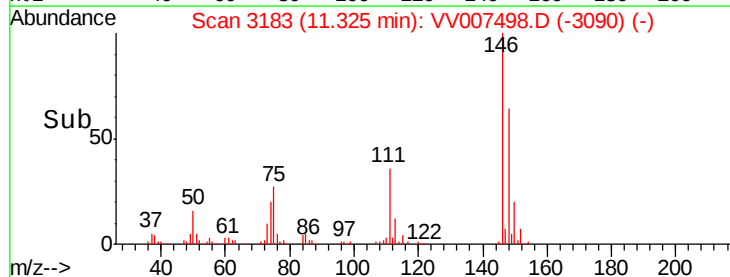
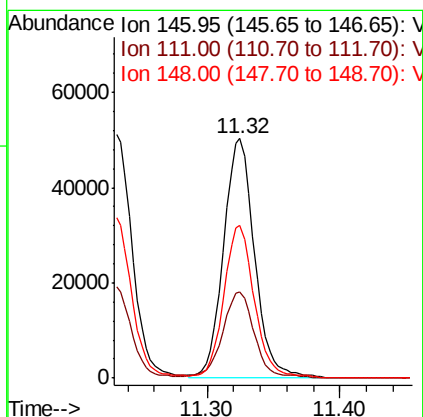
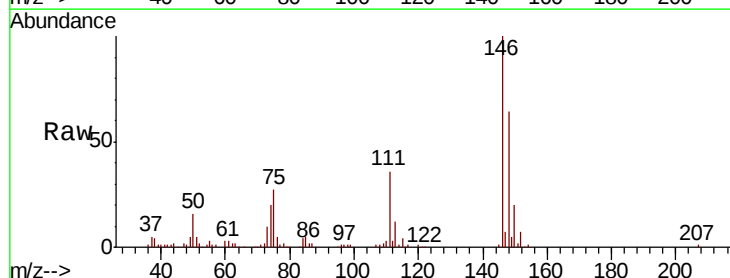
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00577

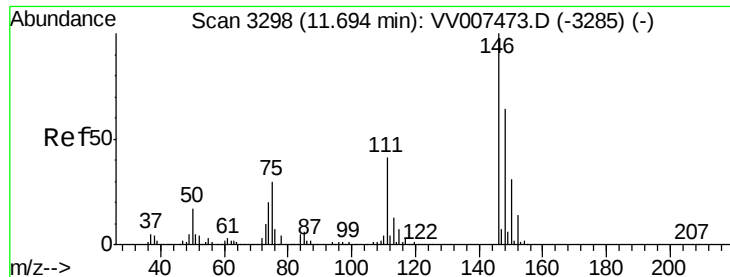
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	27.4	51.0
148	65.6	45.1	83.7



#63
 1,4-Dichlorobenzene
 Concen: 5.071 ug/L
 RT: 11.32 min Scan# 3183
 Delta R.T. 0.00 min
 Lab File: VV007498.D
 Acq: 13 Sep 2018 01:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.0	26.6	49.4
148	63.6	44.2	82.2





#65

1,2-Dichlorobenzene

Concen: 4.909 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VV007498.D

Acq: 13 Sep 2018 01:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD00577

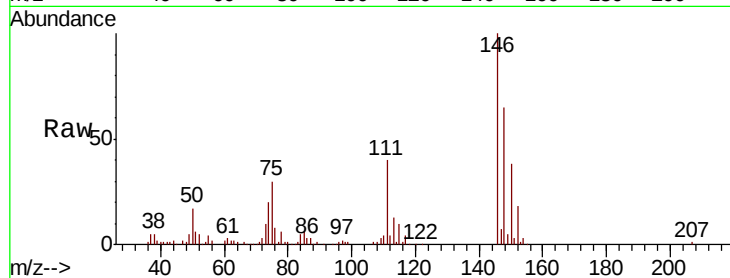
Tot Ion:146 Resp: 74823

Ion Ratio Lower Upper

146 100

111 40.2 33.0 49.4

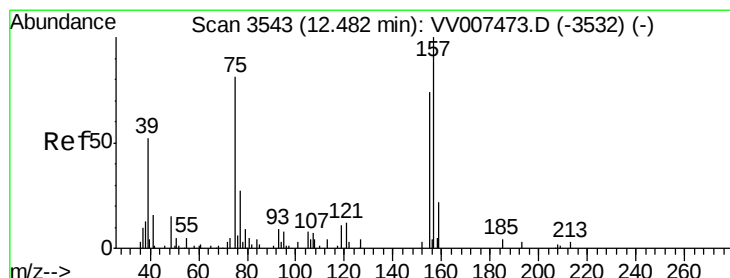
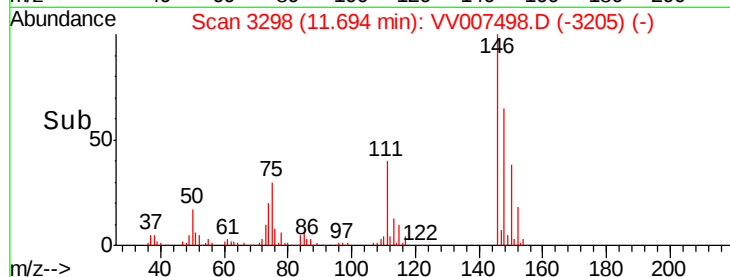
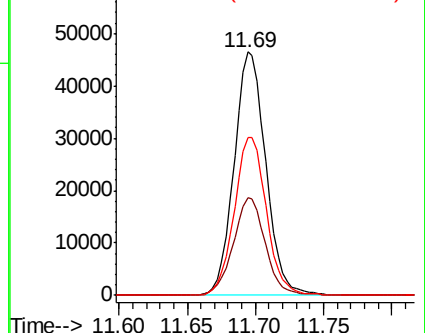
148 65.0 51.3 76.9



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: 4.296 ug/L

RT: 12.48 min Scan# 3543

Delta R.T. 0.00 min

Lab File: VV007498.D

Acq: 13 Sep 2018 01:52

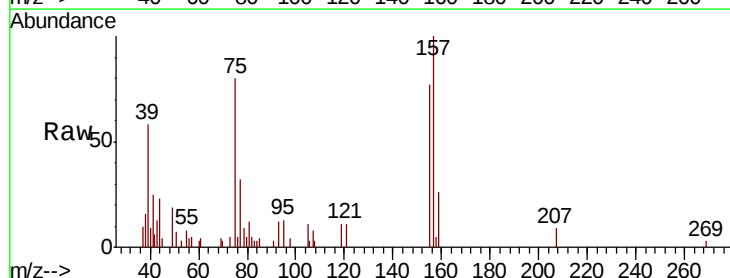
Tgt Ion: 75 Resp: 4868

Ion Ratio Lower Upper

75 100

155 96.2 73.3 109.9

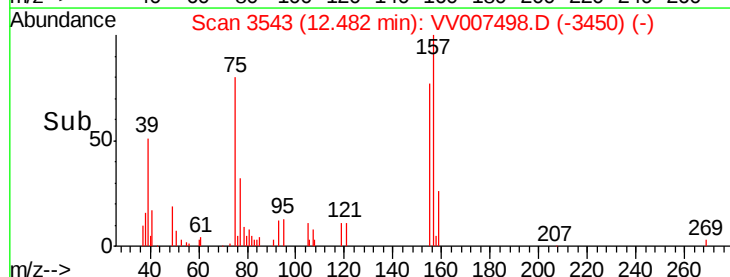
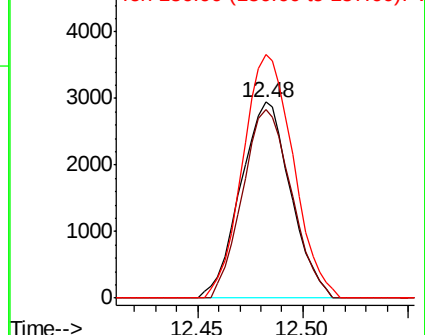
157 124.3 99.4 149.0

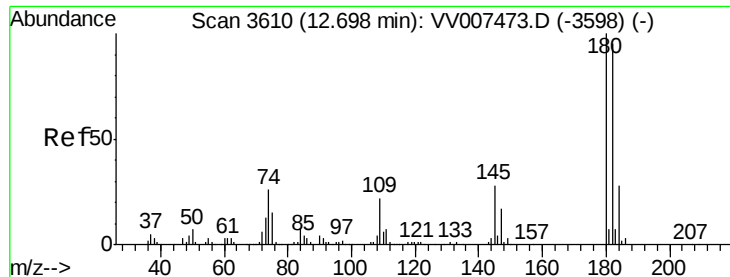


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

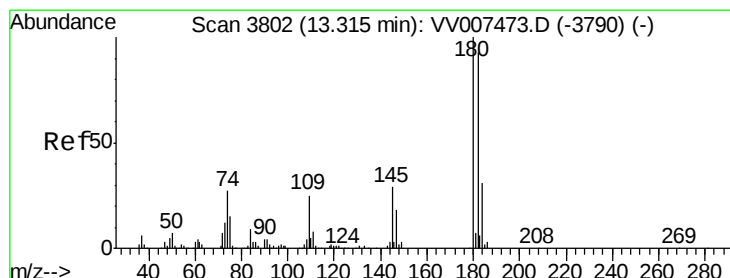
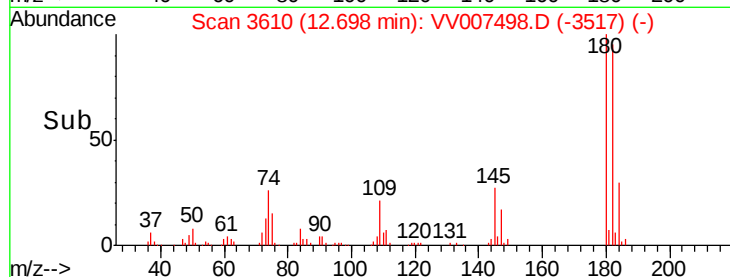
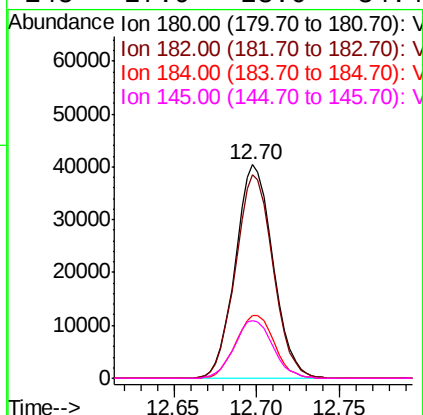
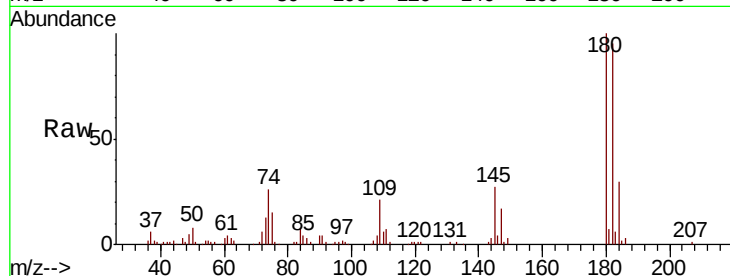




#67
 1,3,5-Trichlorobenzene
 Concen: 5.111 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VV007498.D
 Acq: 13 Sep 2018 01:52

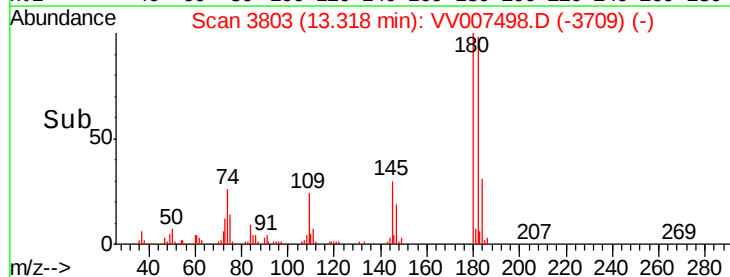
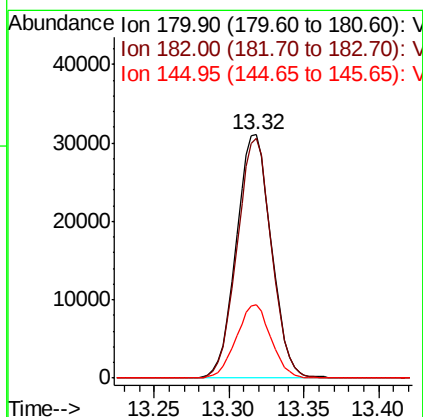
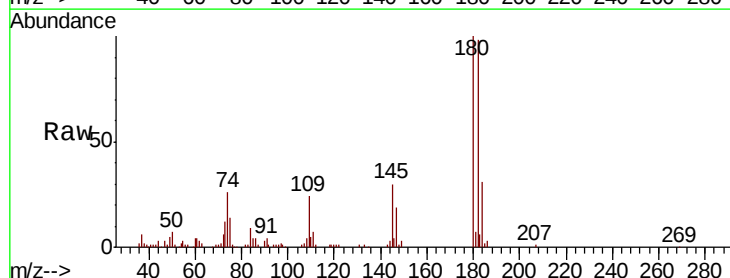
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00577

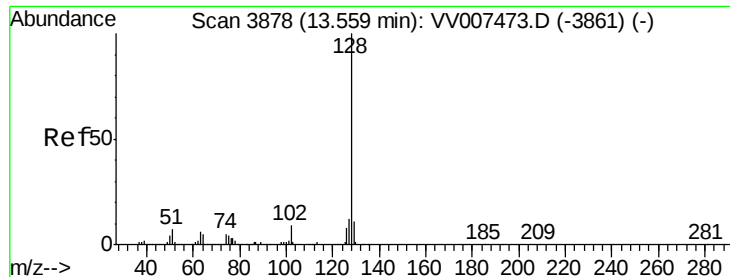
Tot Ion:180	Resp:	63593	
Ion	Ratio	Lower	Upper
180	100		
182	95.1	75.4	113.2
184	30.3	23.8	35.8
145	27.9	23.0	34.4



#68
 1,2,4-trichlorobenzene
 Concen: 5.358 ug/L
 RT: 13.32 min Scan# 3803
 Delta R.T. 0.00 min
 Lab File: VV007498.D
 Acq: 13 Sep 2018 01:52

Tgt Ion:180	Resp: 50581
Ion Ratio	Lower Upper
180 100	
182 96.7	76.6 114.8
145 29.7	23.3 34.9





#69

Naphthalene

Concen: 4.982 ug/L

RT: 13.56 min Scan# 3878

Delta R.T. 0.00 min

Lab File: VV007498.D

Acq: 13 Sep 2018 01:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD00577

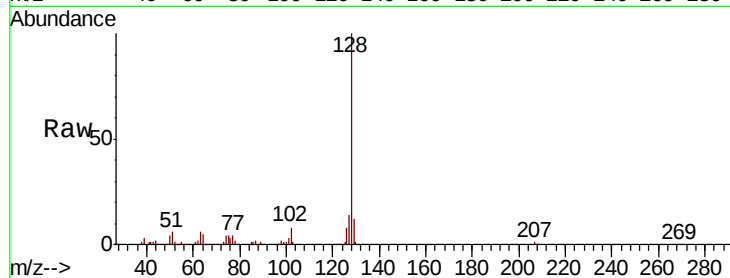
Tot Ion:128 Resp: 73166

Ion Ratio Lower Upper

128 100

129 11.3 8.7 13.1

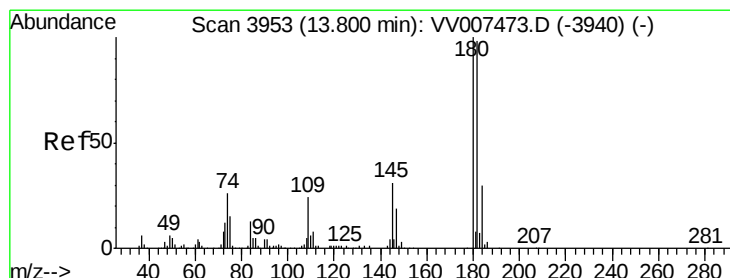
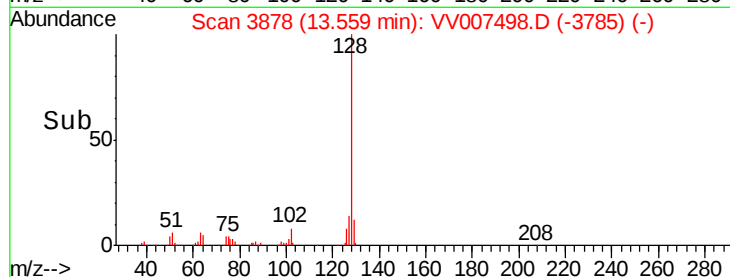
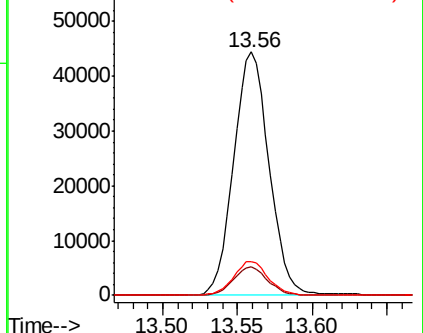
127 13.6 10.8 16.2



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: 5.406 ug/L

RT: 13.80 min Scan# 3953

Delta R.T. 0.00 min

Lab File: VV007498.D

Acq: 13 Sep 2018 01:52

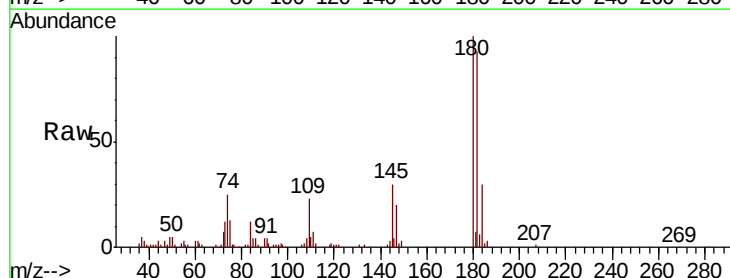
Tgt Ion:180 Resp: 47866

Ion Ratio Lower Upper

180 100

182 92.4 76.4 114.6

145 30.0 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

