

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081018\
 Data File : VV006997.D
 Acq On : 10 Aug 2018 21:49
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25 mL/MSVOA V/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00585

Quant Time: Aug 11 00:22:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR080918WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Aug 11 00:19:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	254871	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	245510	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	113416	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	66762	4.06	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.20%
7) Chloroethane-d5	1.58	69	60573	4.34	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.80%
11) 1,1-Dichloroethene-d2	2.13	63	132580	4.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.80%
20) 2-Butanone-d5	3.97	46	270286	57.13	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.26%
24) Chloroform-d	4.41	84	168153	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.80%
26) 1,2-Dichloroethane-d4	5.09	65	85893	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.00%
32) Benzene-d6	5.10	84	299739	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.00%
36) 1,2-Dichloropropane-d6	6.12	67	105928	4.91	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.20%
41) Toluene-d8	7.36	98	267205	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.60%
43) trans-1,3-Dichloropropene-	7.67	79	36507	4.87	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.40%
46) 2-Hexanone-d5	8.15	63	170597	55.61	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.22%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	89006	5.30	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.00%
64) 1,2-Dichlorobenzene-d4	11.68	152	94060	4.77	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	120090	4.838	ug/L 100
3) Chloromethane	1.25	50	110143	4.611	ug/L 98
5) Vinyl chloride	1.32	62	115876	4.694	ug/L 97
6) Bromomethane	1.54	94	22085	4.122	ug/L 95
8) Chloroethane	1.60	64	71055	4.744	ug/L 100
9) Trichlorofluoromethane	1.77	101	153022	4.871	ug/L 97
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	90588	4.805	ug/L 99
12) 1,1-Dichloroethene	2.14	96	88170	4.818	ug/L 90
13) Acetone	2.21	43	135944	55.802	ug/L 99
14) Carbon disulfide	2.32	76	279490	4.626	ug/L 99
15) Methyl Acetate	2.47	43	34638	5.052	ug/L 97
16) Methylene chloride	2.54	84	98557	4.466	ug/L 97
17) Methyl tert-butyl Ether	2.82	73	224009	5.105	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	96092	4.903	ug/L 99
19) 1,1-Dichloroethane	3.23	63	167061	4.722	ug/L 97
21) 2-Butanone	4.06	43	298885	56.506	ug/L 99
22) cis-1,2-Dichloroethene	3.96	96	106602	4.794	ug/L 98

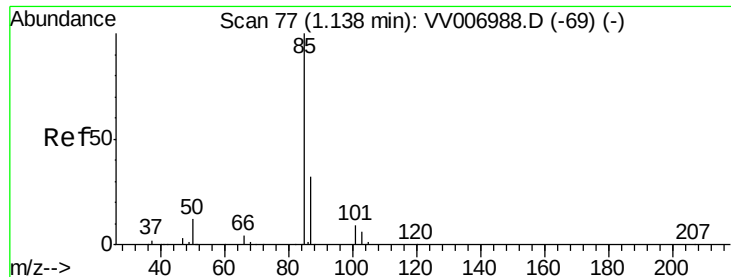
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081018\
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 QLast Update : Sat Aug 11 00:19:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	47803	5.274	ug/L	93
25) Chloroform	4.43	83	196846	5.085	ug/L	99
27) 1,2-Dichloroethane	5.19	62	120717	5.000	ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	161167	4.923	ug/L	99
30) Cyclohexane	4.73	56	155342	4.559	ug/L	99
31) Carbon tetrachloride	4.87	117	137655	5.014	ug/L	98
33) Benzene	5.15	78	434797	5.112	ug/L	100
34) Trichloroethene	5.96	95	101329	4.968	ug/L	92
35) Methylcyclohexane	6.18	83	153621	4.692	ug/L	99
37) 1,2-Dichloropropane	6.23	63	117271	5.037	ug/L	100
38) Bromodichloromethane	6.56	83	133032	5.029	ug/L	97
39) cis-1,3-Dichloropropene	7.08	75	137827	4.900	ug/L	99
40) 4-Methyl-2-pentanone	7.29	43	679858	54.059	ug/L	99
42) Toluene	7.44	91	435597	5.330	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	114794	4.973	ug/L	98
45) 1,1,2-Trichloroethane	7.89	97	79094	5.222	ug/L	96
47) Tetrachloroethene	8.02	164	84238	5.094	ug/L	97
48) 2-Hexanone	8.20	43	491854	55.452	ug/L	94
49) Dibromochloromethane	8.30	129	87070	5.480	ug/L	100
50) 1,2-Dibromoethane	8.40	107	68106	5.323	ug/L #	97
51) Chlorobenzene	8.93	112	264098	5.069	ug/L	100
52) Ethylbenzene	9.06	91	409358	5.016	ug/L	98
53) m,p-xylene	9.19	106	158173	5.199	ug/L	100
54) o-xylene	9.59	106	145892	5.061	ug/L	98
55) Styrene	9.61	104	256298	5.274	ug/L	98
56) Isopropylbenzene	9.98	105	383539	5.071	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	98023	5.325	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	68865	5.284	ug/L	96
61) Bromoform	9.78	173	45731	5.324	ug/L	98
62) 1,3-Dichlorobenzene	11.23	146	183407	4.997	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	189353	5.034	ug/L	98
65) 1,2-Dichlorobenzene	11.70	146	186185	5.158	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	12785	4.989	ug/L	90
67) 1,3,5-Trichlorobenzene	12.70	180	138587	4.989	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	99229	4.868	ug/L	99
69) Naphthalene	13.56	128	143556	4.904	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	100360	5.108	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 4.838 ug/L

RT: 1.14 min Scan# 77

Delta R.T. 0.00 min

Lab File: VV006997.D

Acq: 10 Aug 2018 21:49

Instrument :

MSVOA_V

ClientSampleId :

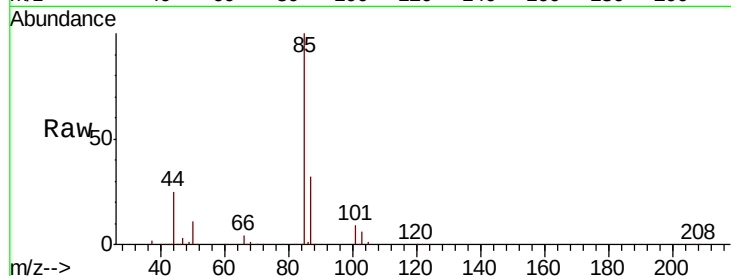
VSTD00585

Tot Ion: 85 Resp: 120090

Ion Ratio Lower Upper

85 100

87 31.7 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VV006988.D (-69) (-)

Ion 87.00 (86.70 to 87.70): VV006997.D (-1) (-)

1.14

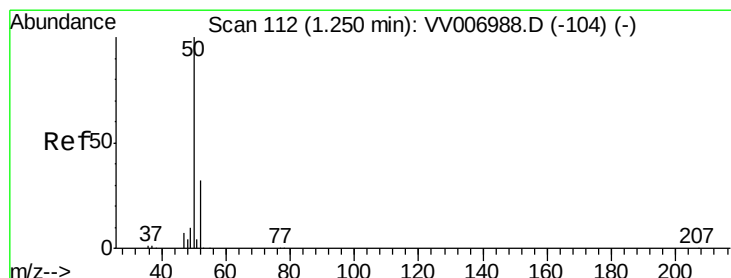
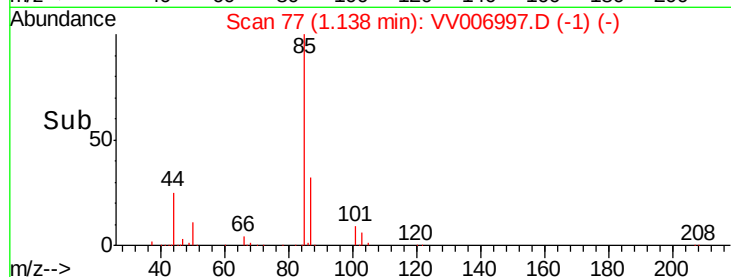
100000

50000

0

Time-->

1.10 1.15 1.20 1.25



#3

Chloromethane

Concen: 4.611 ug/L

RT: 1.25 min Scan# 112

Delta R.T. 0.00 min

Lab File: VV006997.D

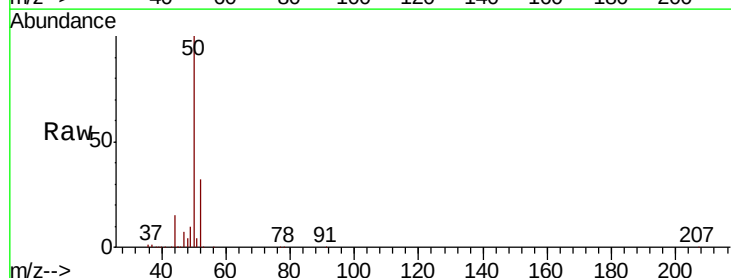
Acq: 10 Aug 2018 21:49

Tgt Ion: 50 Resp: 110143

Ion Ratio Lower Upper

50 100

52 32.3 23.6 43.8



Abundance Ion 50.05 (49.75 to 50.75): VV006988.D (-104) (-)

Ion 52.05 (51.75 to 52.75): VV006997.D (-19) (-)

1.25

100000

80000

60000

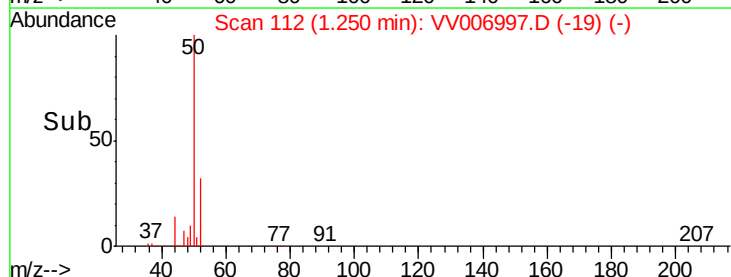
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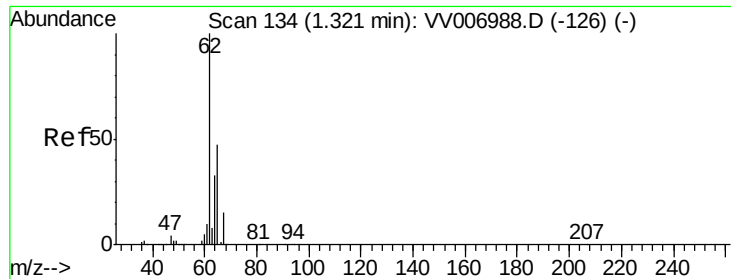
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Time-->

1.20 1.30 1.40





#5

Vinyl chloride

Concen: 4.694 ug/L

RT: 1.32 min Scan# 134

Delta R.T. 0.00 min

Lab File: VV006997.D

Acq: 10 Aug 2018 21:49

Instrument :

MSVOA_V

ClientSampleId :

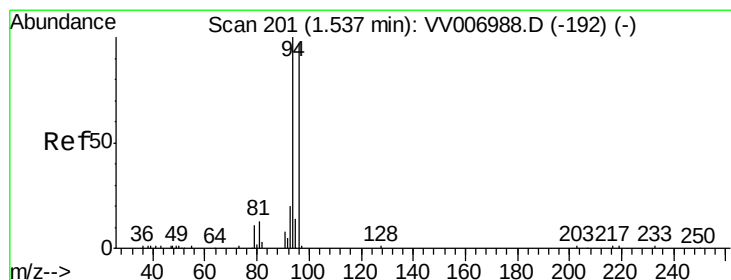
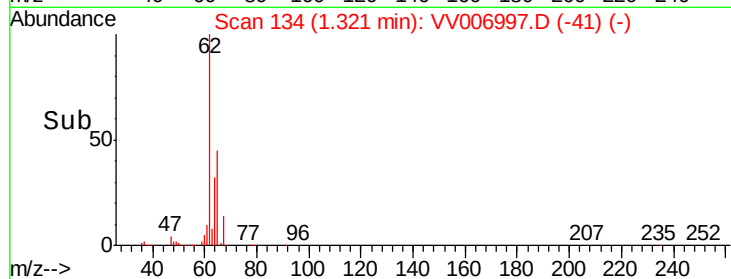
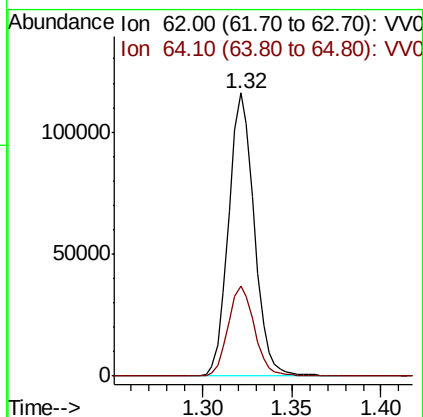
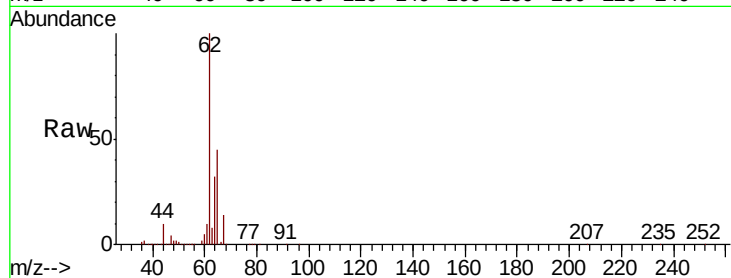
VSTD00585

Tot Ion: 62 Resp: 115876

Ion Ratio Lower Upper

62 100

64 31.8 23.5 43.7



#6

Bromomethane

Concen: 4.122 ug/L

RT: 1.54 min Scan# 201

Delta R.T. 0.00 min

Lab File: VV006997.D

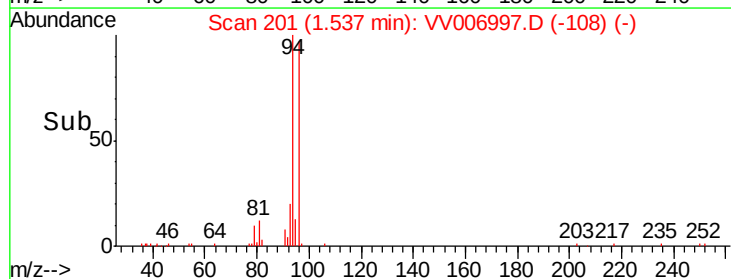
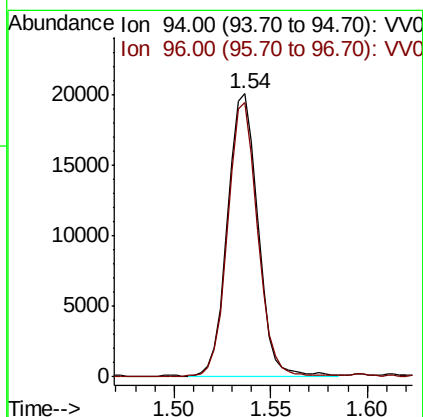
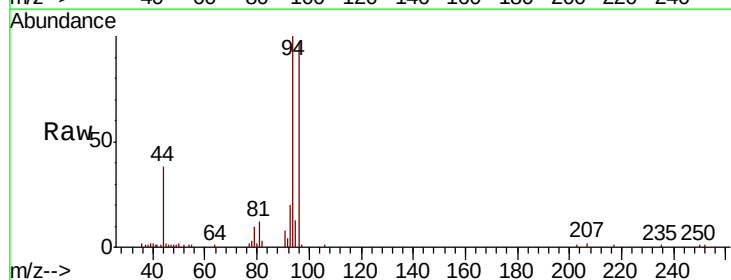
Acq: 10 Aug 2018 21:49

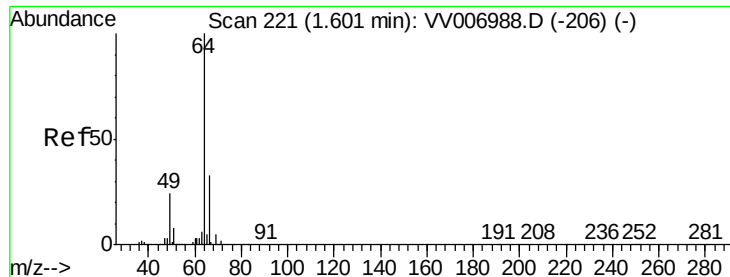
Tgt Ion: 94 Resp: 22085

Ion Ratio Lower Upper

94 100

96 97.2 65.0 120.6

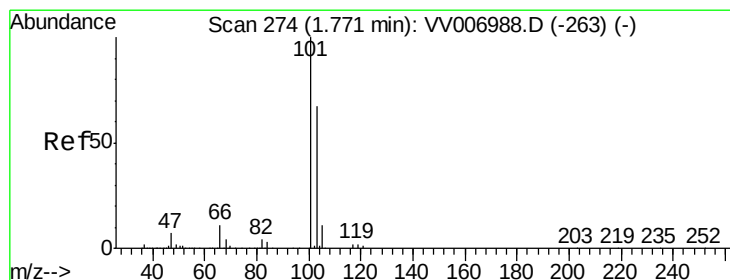
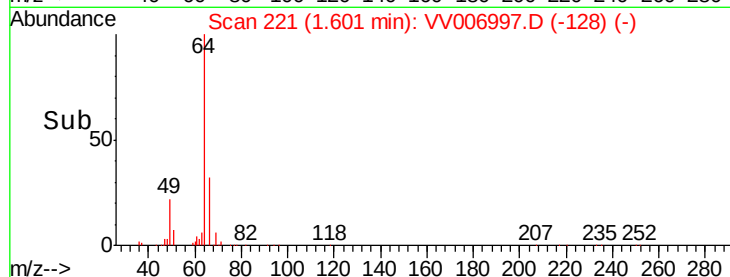
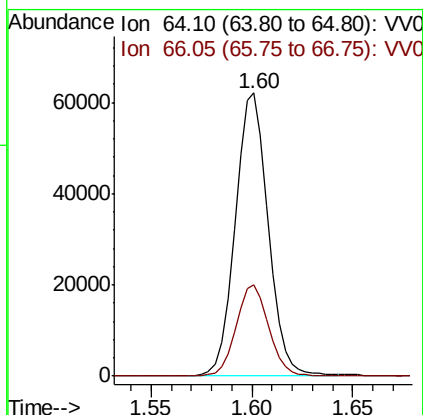
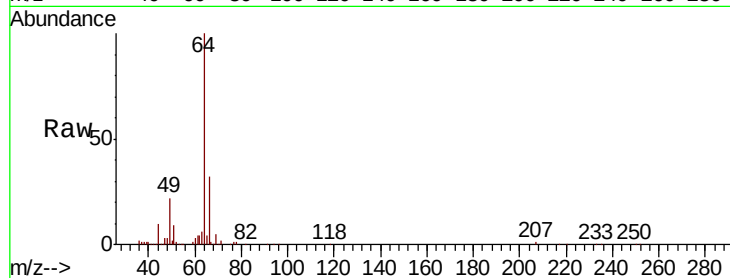




#8
Chloroethane
Concen: 4.744 ug/L
RT: 1.60 min Scan# 221
Delta R.T. 0.00 min
Lab File: VV006997.D
Acq: 10 Aug 2018 21:49

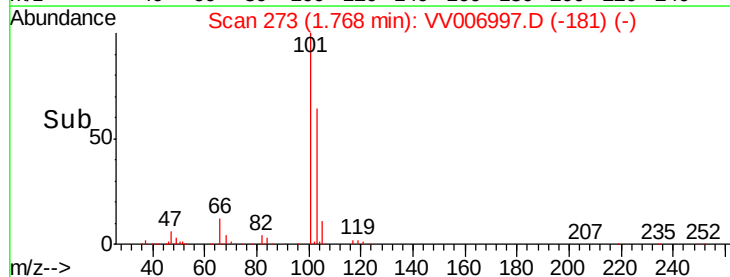
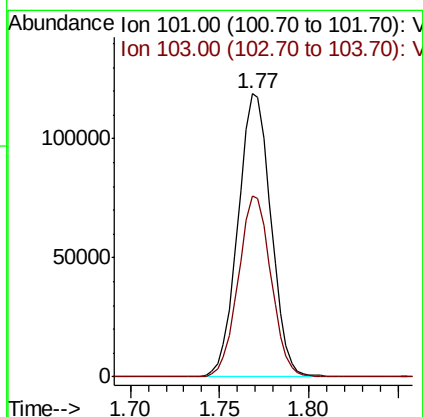
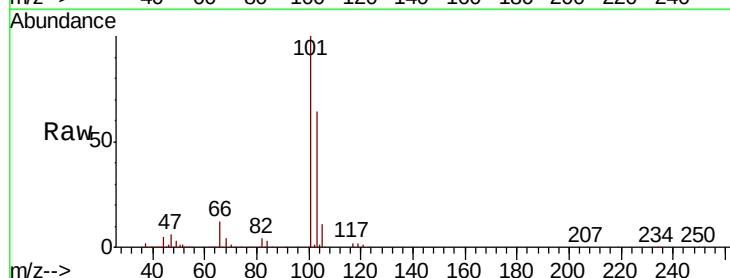
Instrument :
MSVOA_V
ClientSampleId :
VSTD00585

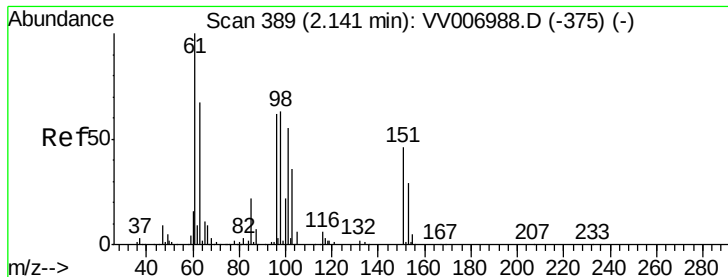
Tot Ion: 64 Resp: 71055
Ion Ratio Lower Upper
64 100
66 32.2 22.6 42.0



#9
Trichlorofluoromethane
Concen: 4.871 ug/L
RT: 1.77 min Scan# 273
Delta R.T. -0.00 min
Lab File: VV006997.D
Acq: 10 Aug 2018 21:49

Tgt Ion: 101 Resp: 153022
Ion Ratio Lower Upper
101 100
103 63.6 52.7 79.1





#10

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

Concen: 4.805 ug/L

RT: 2.14 min Scan# 388

Delta R.T. -0.00 min

Lab File: VV006997.D

Acq: 10 Aug 2018 21:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD00585

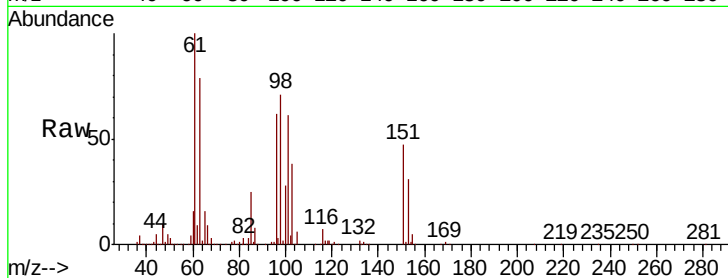
Tot Ion:101 Resp: 90588

Ion Ratio Lower Upper

101 100

85 41.9 33.9 50.9

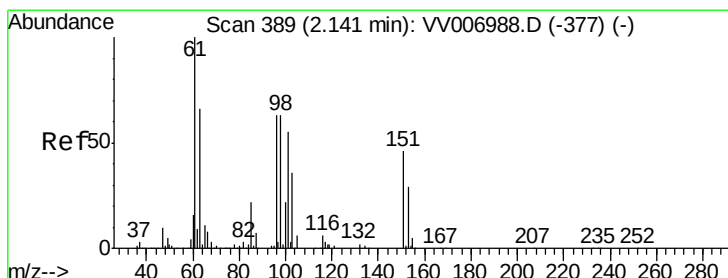
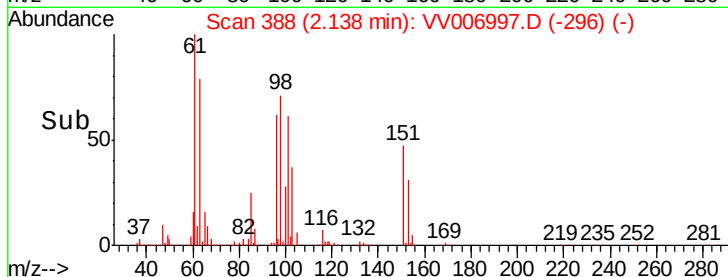
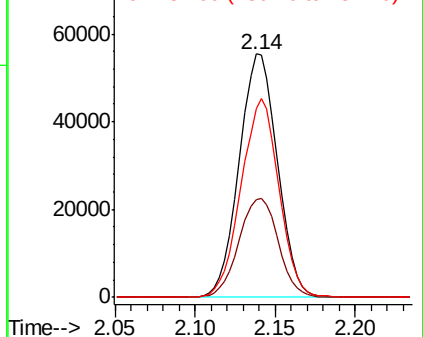
151 80.9 64.1 96.1



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: 4.818 ug/L

RT: 2.14 min Scan# 389

Delta R.T. 0.00 min

Lab File: VV006997.D

Acq: 10 Aug 2018 21:49

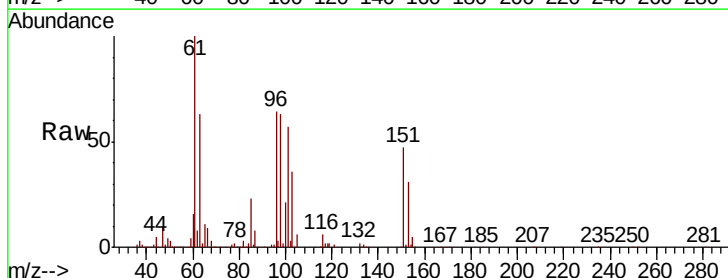
Tgt Ion: 96 Resp: 88170

Ion Ratio Lower Upper

96 100

61 156.1 111.6 207.4

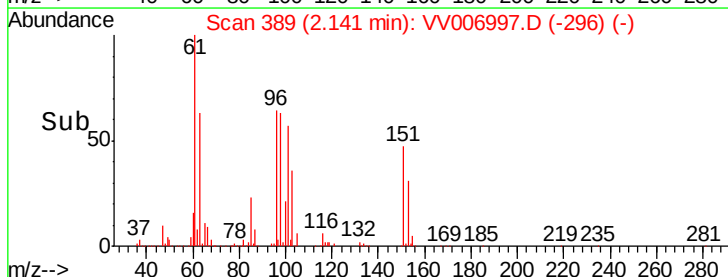
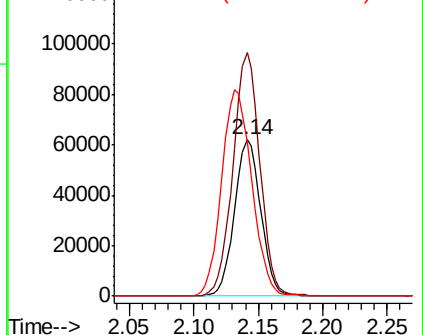
63 98.7 84.9 157.7

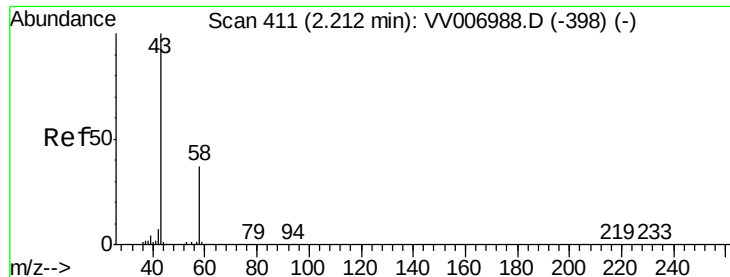


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 55.802 ug/L

RT: 2.21 min Scan# 411

Delta R.T. 0.00 min

Lab File: VV006997.D

Acq: 10 Aug 2018 21:49

Instrument :

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ClientSampleId :

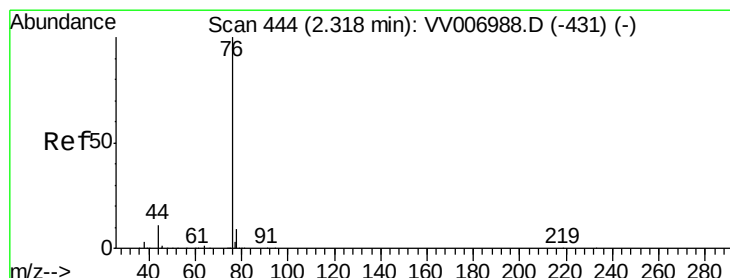
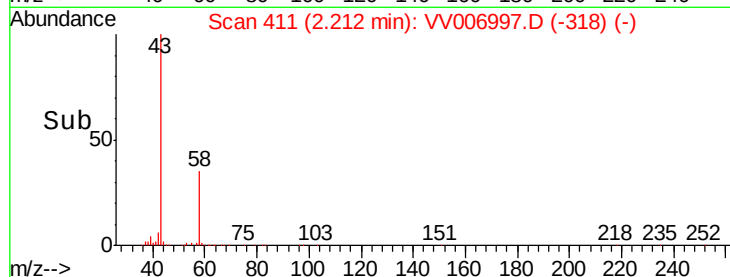
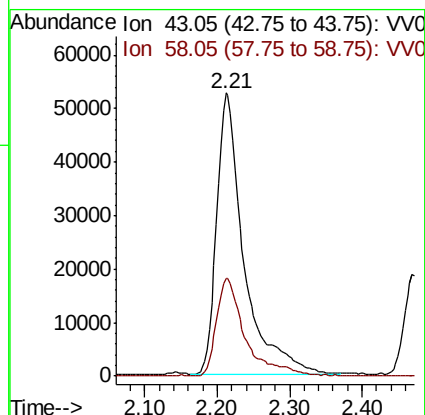
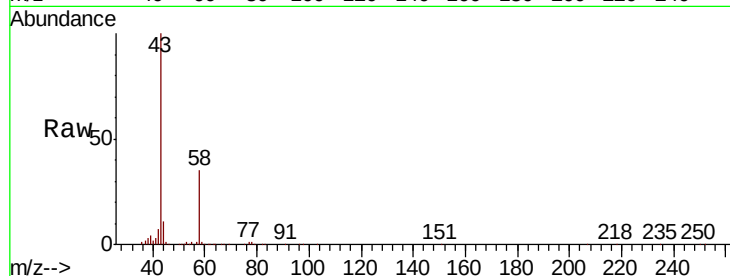
VSTD00585

Tot Ion: 43 Resp: 135944

Ion Ratio Lower Upper

43 100

58 35.1 0.0 71.4



#14

Carbon disulfide

Concen: 4.626 ug/L

RT: 2.32 min Scan# 444

Delta R.T. 0.00 min

Lab File: VV006997.D

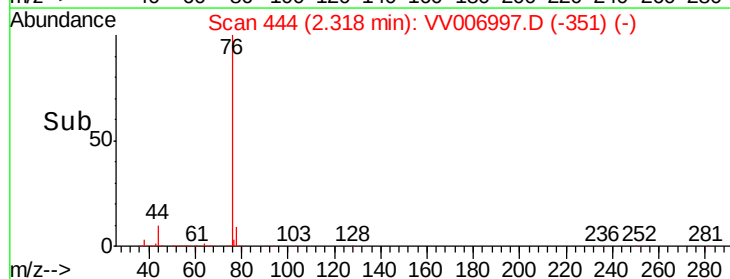
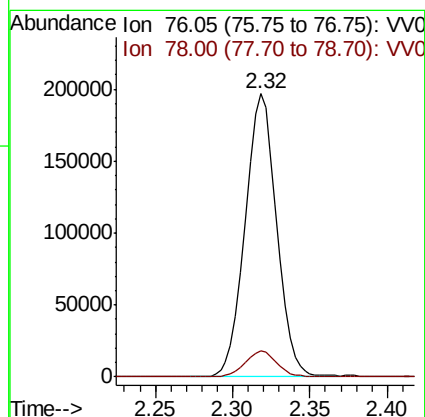
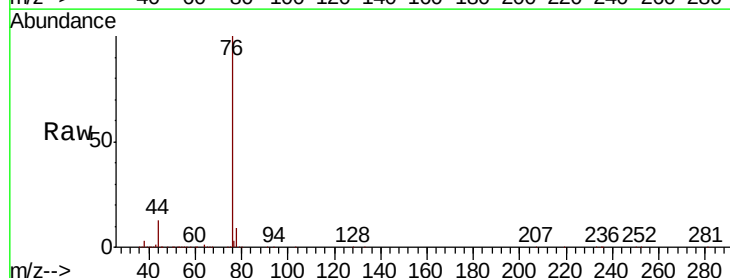
Acq: 10 Aug 2018 21:49

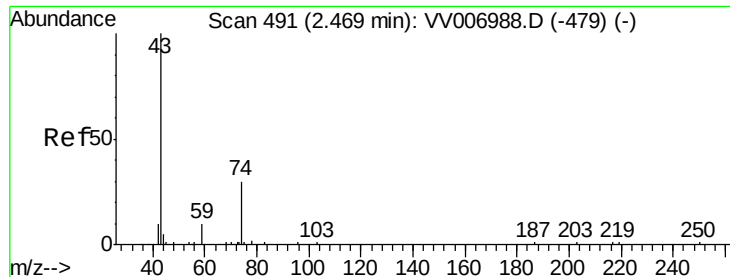
Tgt Ion: 76 Resp: 279490

Ion Ratio Lower Upper

76 100

78 9.1 7.6 11.4

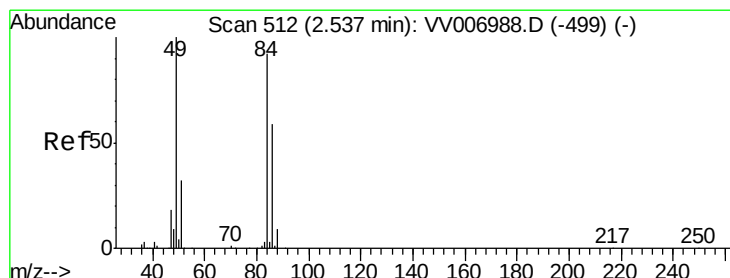
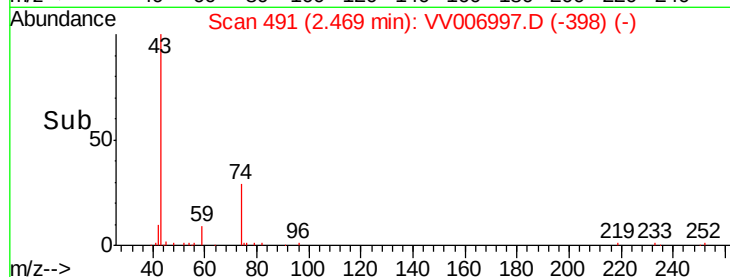
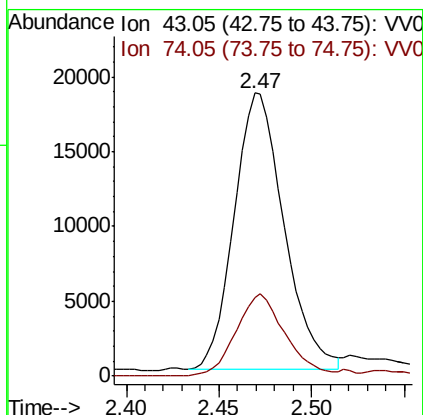
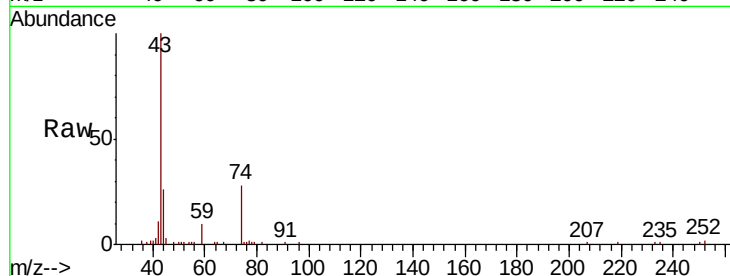




#15
Methvl Acetate
Concen: 5.052 ug/L
RT: 2.47 min Scan# 491
Delta R.T. 0.00 min
Lab File: VV006997.D
Acq: 10 Aug 2018 21:49

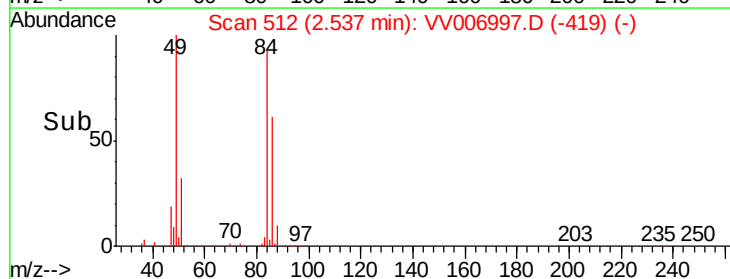
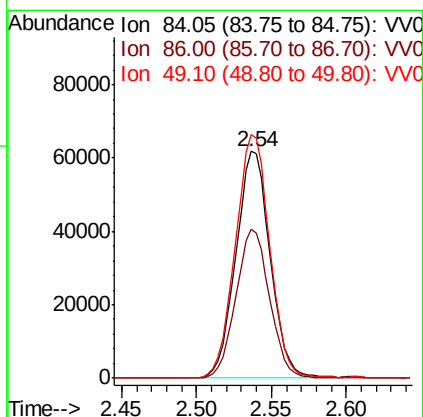
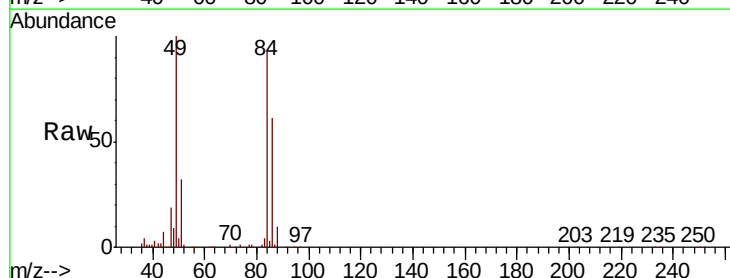
Instrument :
MSVOA_V
ClientSampleId :
VSTD00585

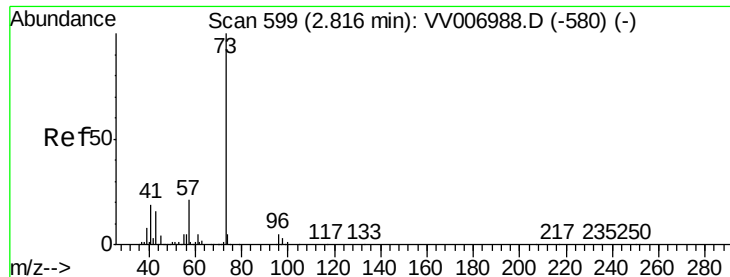
Tot Ion: 43 Resp: 34638
Ion Ratio Lower Upper
43 100
74 29.2 24.6 37.0



#16
Methylene chloride
Concen: 4.466 ug/L
RT: 2.54 min Scan# 512
Delta R.T. 0.00 min
Lab File: VV006997.D
Acq: 10 Aug 2018 21:49

Tgt Ion: 84 Resp: 98557
Ion Ratio Lower Upper
84 100
86 65.4 45.7 84.9
49 107.4 78.8 146.4





#17

Methyl tert-butyl Ether

Concen: 5.105 ug/L

RT: 2.82 min Scan# 599

Delta R.T. 0.00 min

Lab File: VV006997.D

Acq: 10 Aug 2018 21:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD00585

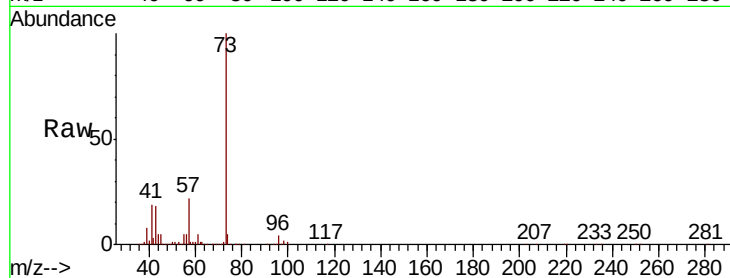
Tot Ion: 73 Resp: 224009

Ion Ratio Lower Upper

73 100

43 17.6 14.4 21.6

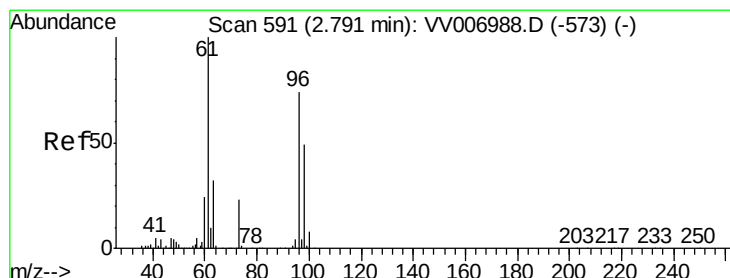
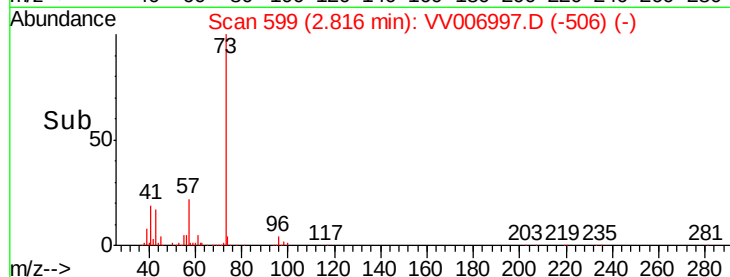
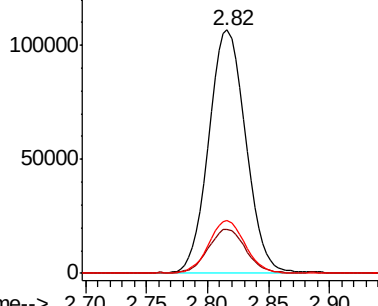
57 21.5 17.9 26.9



Abundance Ion 73.10 (72.80 to 73.80): VV006997.D (-506) (-)

Ion 43.05 (42.75 to 43.75): VV006997.D (-506) (-)

Ion 57.10 (56.80 to 57.80): VV006997.D (-506) (-)



#18

trans-1,2-Dichloroethene

Concen: 4.903 ug/L

RT: 2.79 min Scan# 591

Delta R.T. 0.00 min

Lab File: VV006997.D

Acq: 10 Aug 2018 21:49

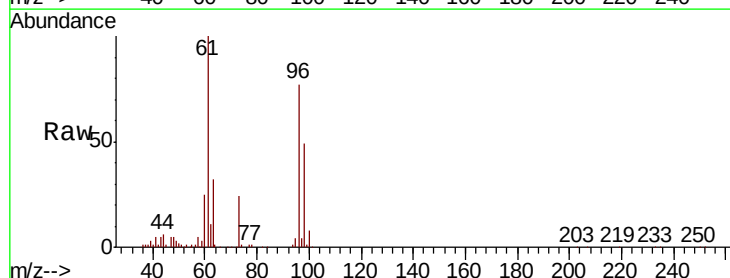
Tgt Ion: 96 Resp: 96092

Ion Ratio Lower Upper

96 100

61 130.7 91.1 169.3

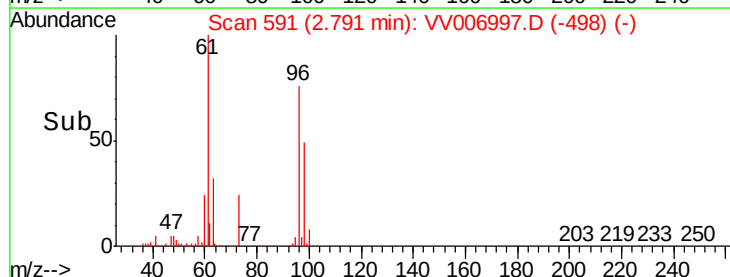
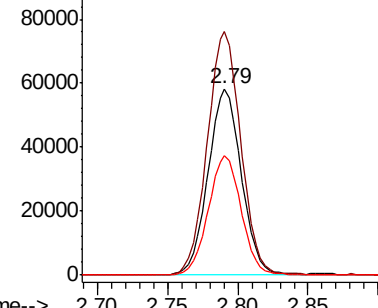
98 63.9 43.5 80.9

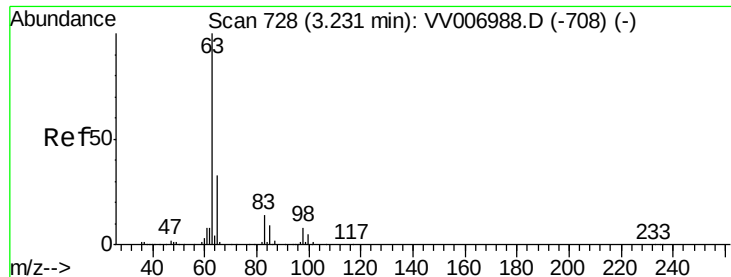


Abundance Ion 96.00 (95.70 to 96.70): VV006997.D (-498) (-)

Ion 61.05 (60.75 to 61.75): VV006997.D (-498) (-)

Ion 97.95 (97.65 to 98.65): VV006997.D (-498) (-)

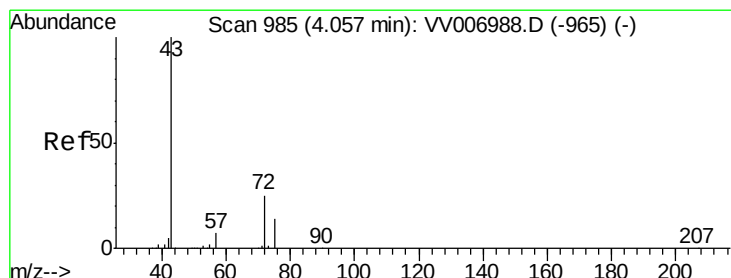
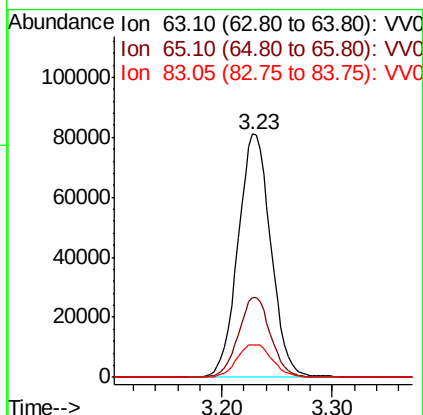
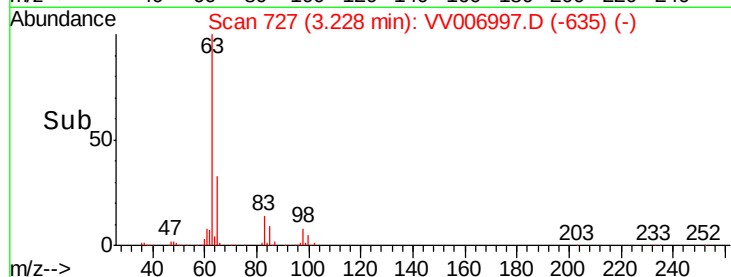
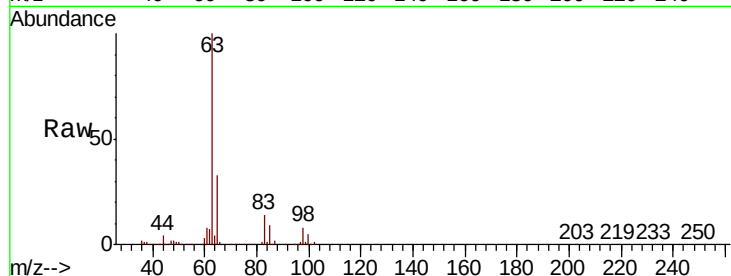




#19
 1,1-Dichloroethane
 Concen: 4.722 ug/L
 RT: 3.23 min Scan# 727
 Delta R.T. -0.00 min
 Lab File: VV006997.D
 Acq: 10 Aug 2018 21:49

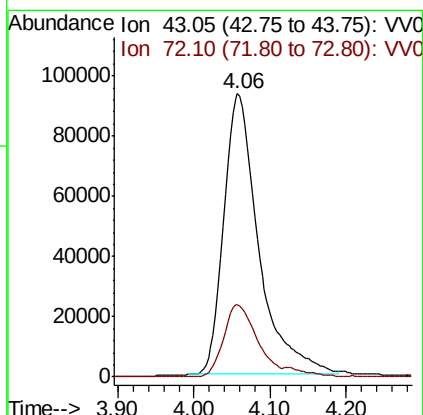
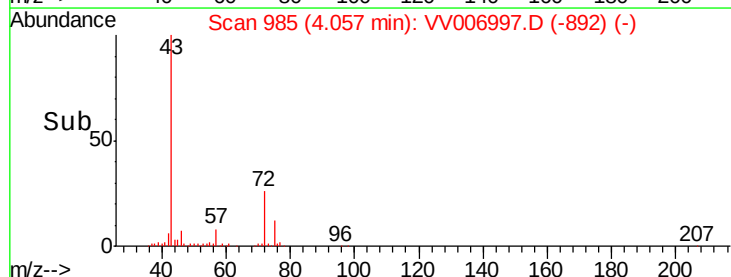
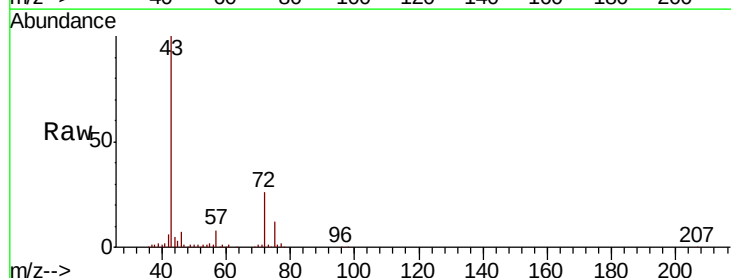
Instrument :
 MSVOA_V
 ClientSampleID :
 VSTD00585

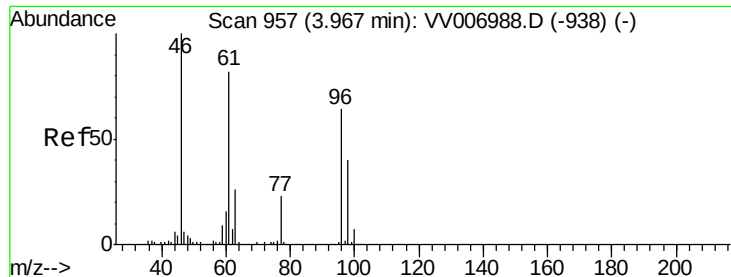
Tot Ion: 63 Resp: 167061
 Ion Ratio Lower Upper
 63 100
 65 32.8 21.7 40.3
 83 13.5 10.0 18.6



#21
 2-Butanone
 Concen: 56.506 ug/L
 RT: 4.06 min Scan# 985
 Delta R.T. 0.00 min
 Lab File: VV006997.D
 Acq: 10 Aug 2018 21:49

Tgt Ion: 43 Resp: 298885
 Ion Ratio Lower Upper
 43 100
 72 24.4 12.4 37.2



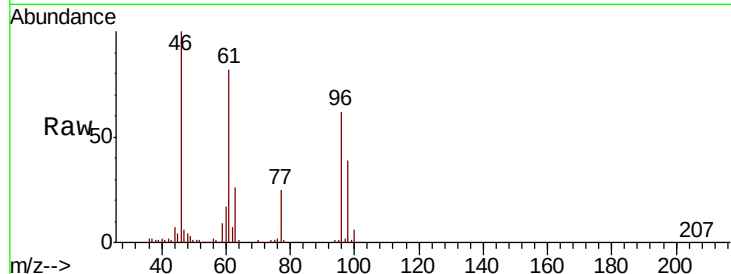


#22

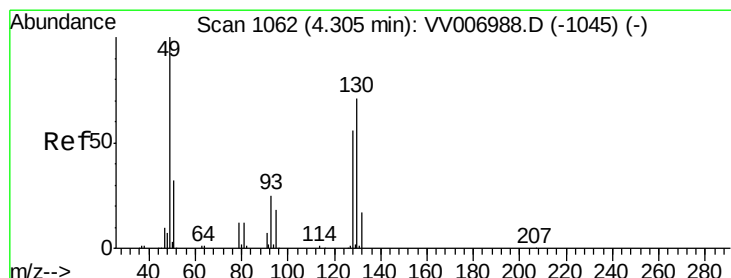
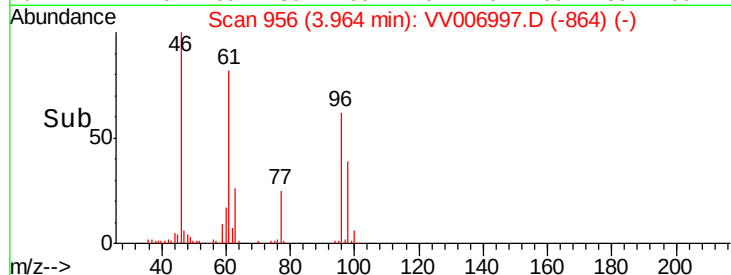
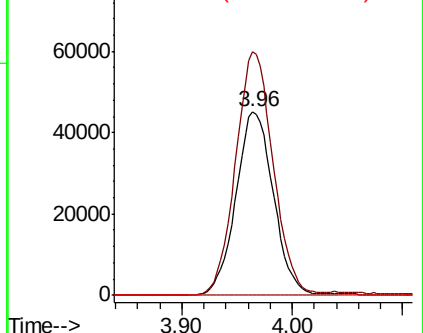
cis-1,2-Dichloroethene
 Concen: 4.794 ug/L
 RT: 3.96 min Scan# 956
 Delta R.T. -0.00 min
 Lab File: VV006997.D
 Acq: 10 Aug 2018 21:49

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00585

Tot Ion: 96 Resp: 106602
 Ion Ratio Lower Upper
 96 100
 61 132.4 91.1 169.1
 68 0.0 0.0 0.0



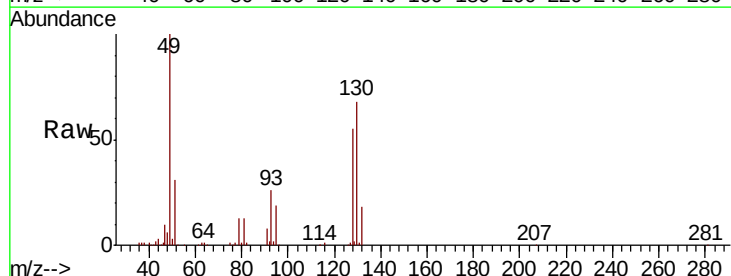
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



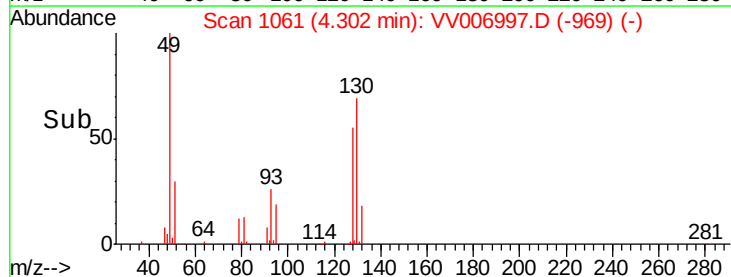
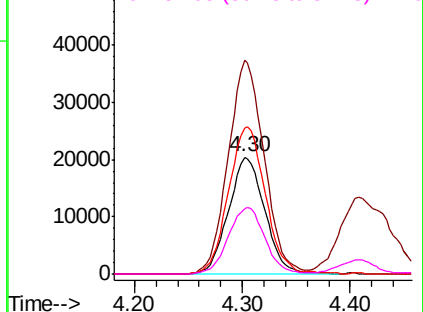
#23

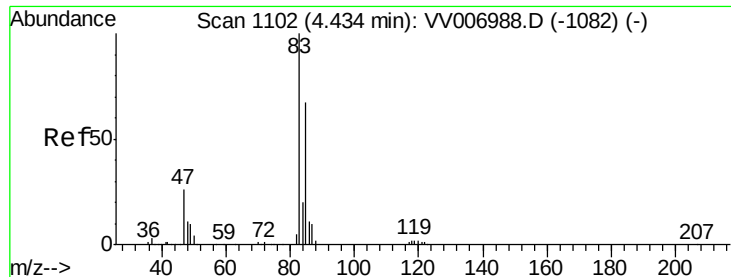
Bromochloromethane
 Concen: 5.274 ug/L
 RT: 4.30 min Scan# 1061
 Delta R.T. -0.00 min
 Lab File: VV006997.D
 Acq: 10 Aug 2018 21:49

Tgt Ion:128 Resp: 47803
 Ion Ratio Lower Upper
 128 100
 49 183.3 138.6 257.4
 130 125.2 90.0 167.2
 51 56.0 46.9 70.3



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

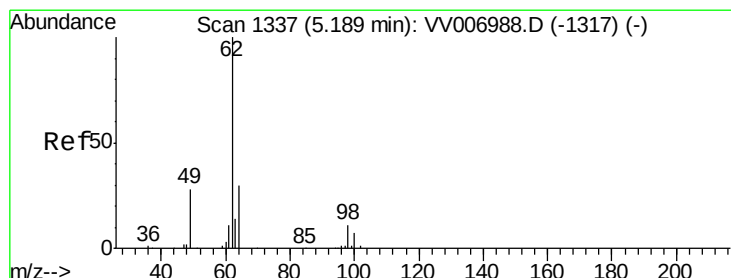
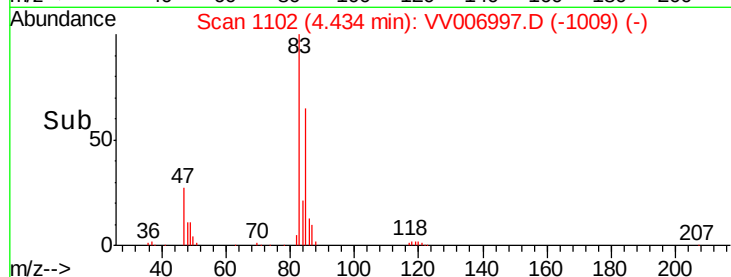
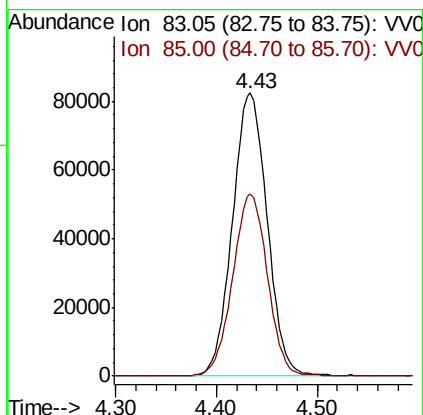
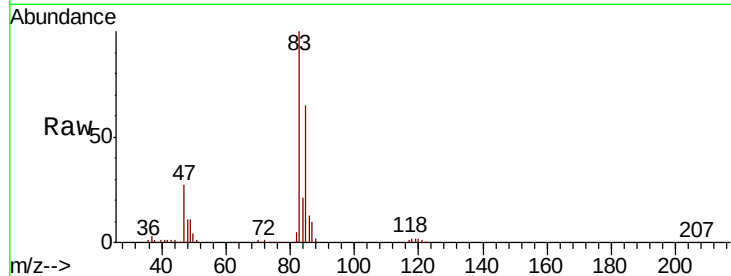




#25
Chloroform
Concen: 5.085 ug/L
RT: 4.43 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV006997.D
Acq: 10 Aug 2018 21:49

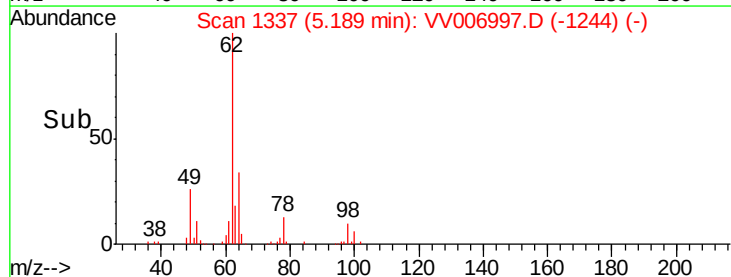
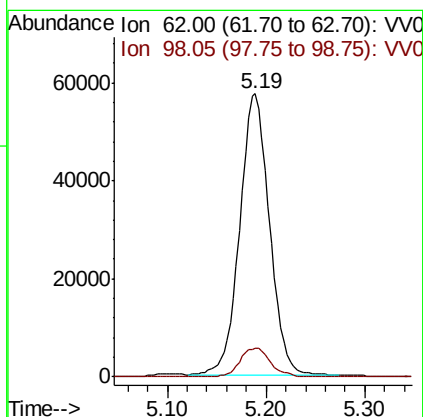
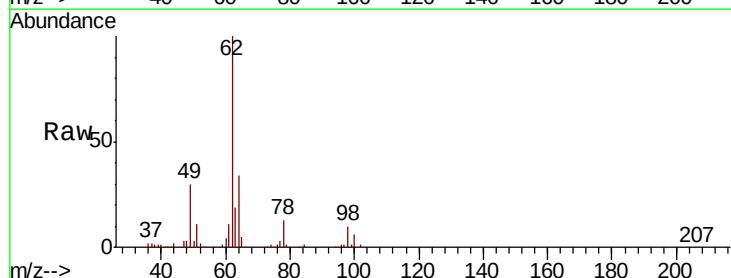
Instrument :
MSVOA_V
ClientSampleId :
VSTD00585

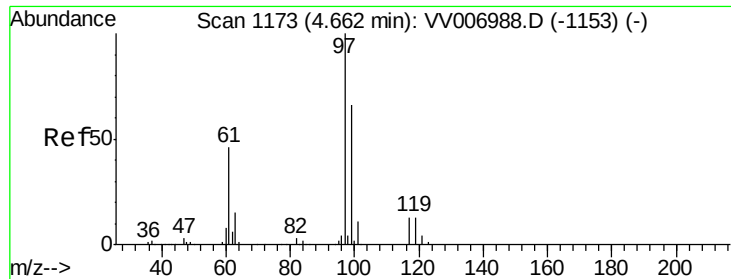
Tot Ion: 83 Resp: 196846
Ion Ratio Lower Upper
83 100
85 64.6 44.7 82.9



#27
1,2-Dichloroethane
Concen: 5.000 ug/L
RT: 5.19 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VV006997.D
Acq: 10 Aug 2018 21:49

Tgt Ion: 62 Resp: 120717
Ion Ratio Lower Upper
62 100
98 9.9 7.6 11.4

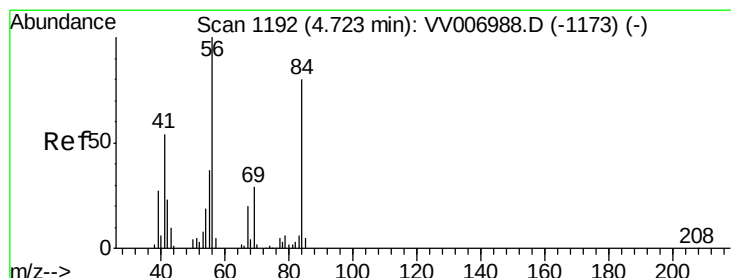
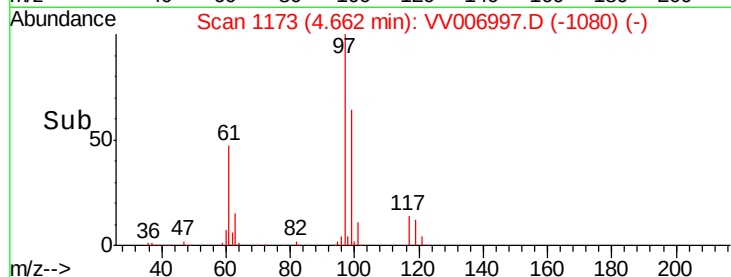
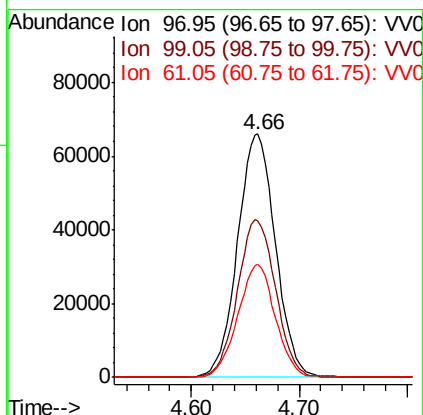
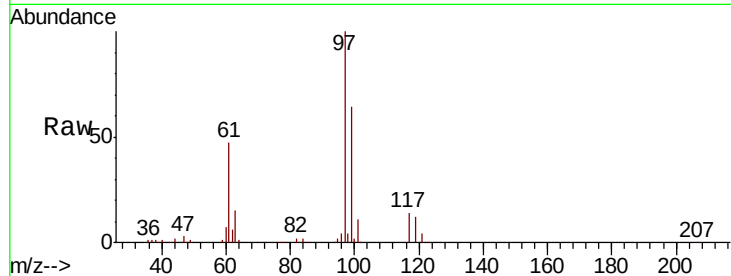




#29
 1,1,1-Trichloroethane
 Concen: 4.923 ug/L
 RT: 4.66 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VV006997.D
 Acq: 10 Aug 2018 21:49

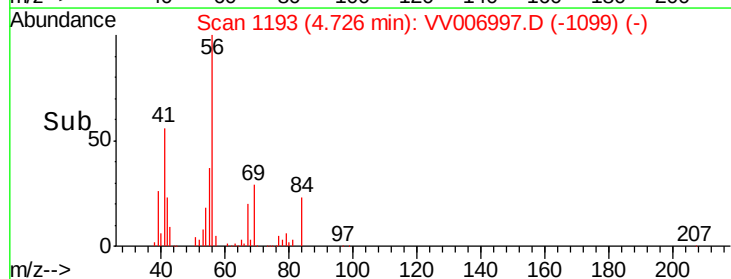
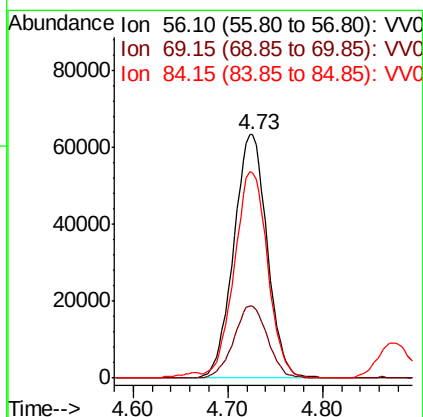
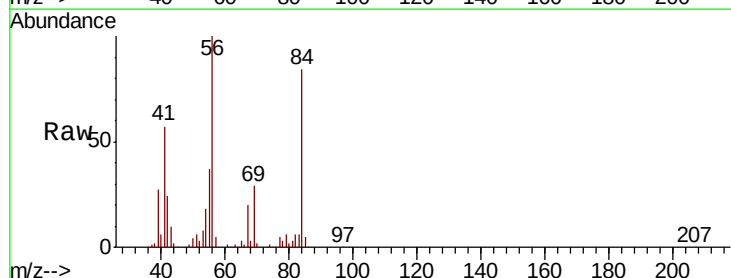
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00585

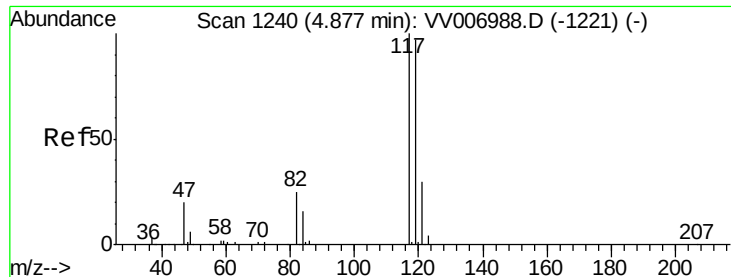
Tot Ion	97	Resp	161167
Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.0	76.6
61	45.8	36.6	54.8



#30
 Cyclohexane
 Concen: 4.559 ug/L
 RT: 4.73 min Scan# 1193
 Delta R.T. 0.00 min
 Lab File: VV006997.D
 Acq: 10 Aug 2018 21:49

Tgt Ion	56	Resp	155342
Ion	Ratio	Lower	Upper
56	100		
69	29.9	23.8	35.6
84	84.3	67.9	101.9





#31

Carbon tetrachloride

Concen: 5.014 ug/L

RT: 4.87 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VV006997.D

Acq: 10 Aug 2018 21:49

Instrument :

MSVOA_V

ClientSampleId :

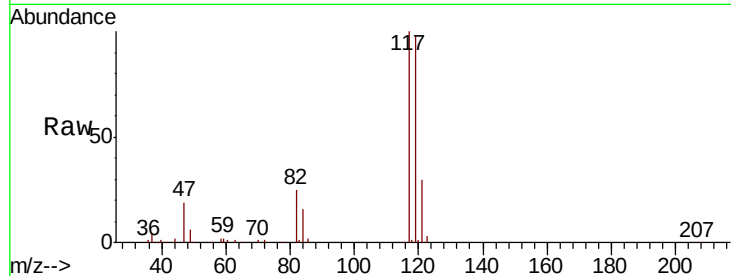
VSTD00585

Tot Ion:117 Resp: 137655

Ion Ratio Lower Upper

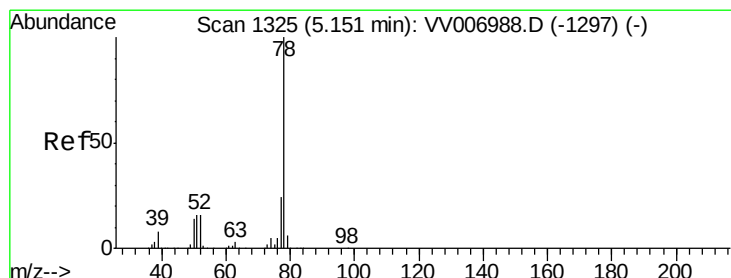
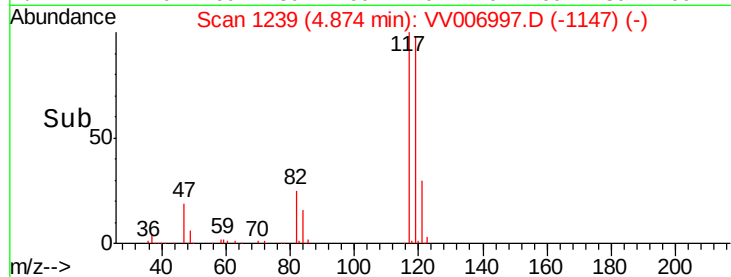
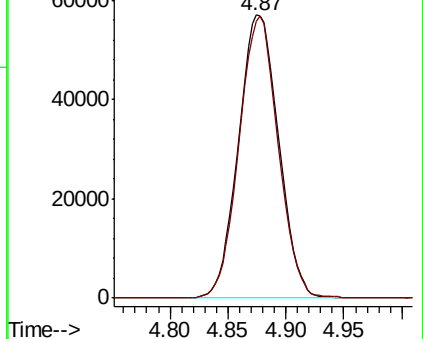
117 100

119 96.8 76.2 114.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.112 ug/L

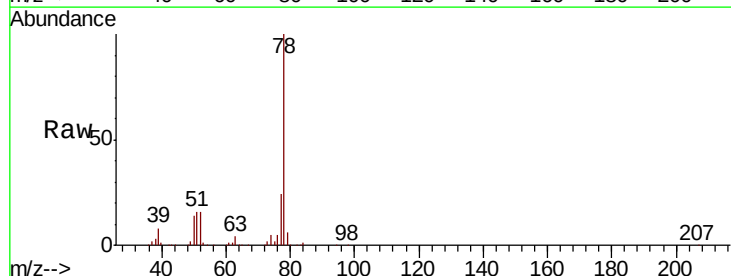
RT: 5.15 min Scan# 1325

Delta R.T. 0.00 min

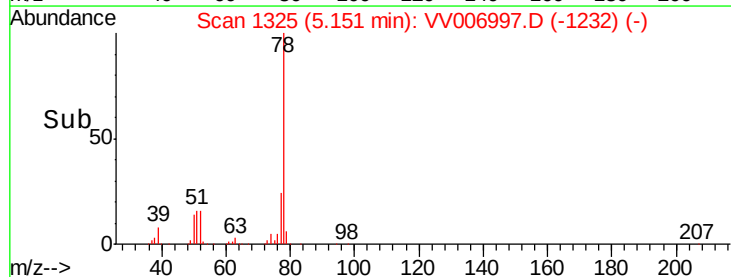
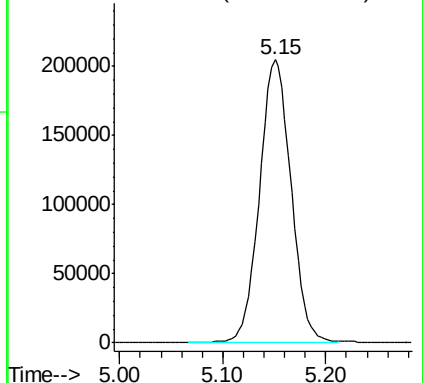
Lab File: VV006997.D

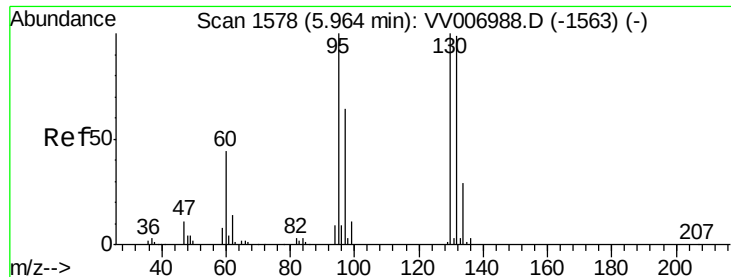
Acq: 10 Aug 2018 21:49

Tgt Ion: 78 Resp: 434797



Abundance Ion 78.10 (77.80 to 78.80): VV0

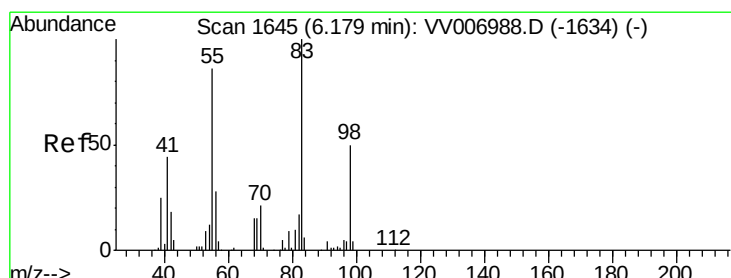
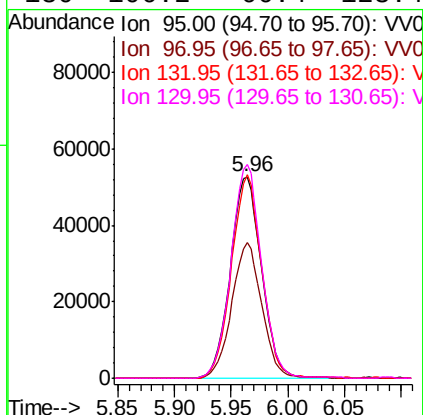
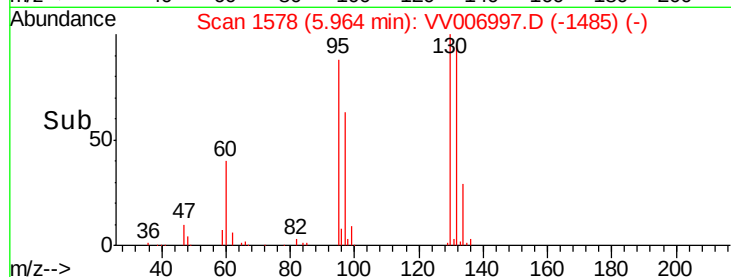
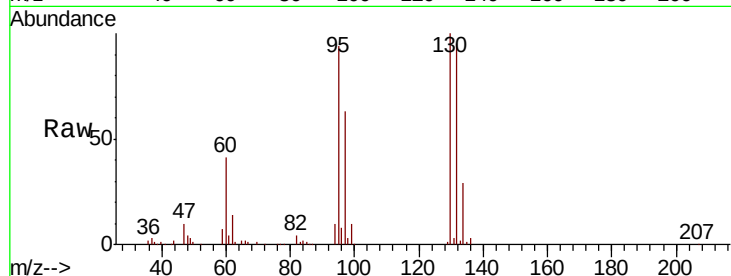




#34
 Trichloroethene
 Concen: 4.968 ug/L
 RT: 5.96 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VV006997.D
 Acq: 10 Aug 2018 21:49

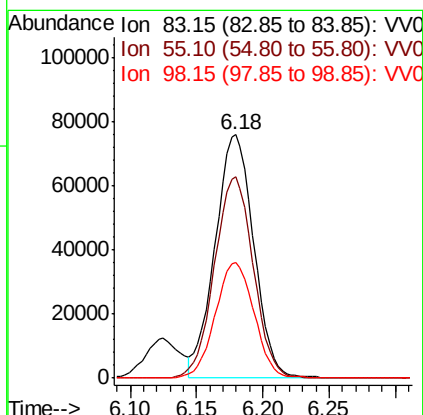
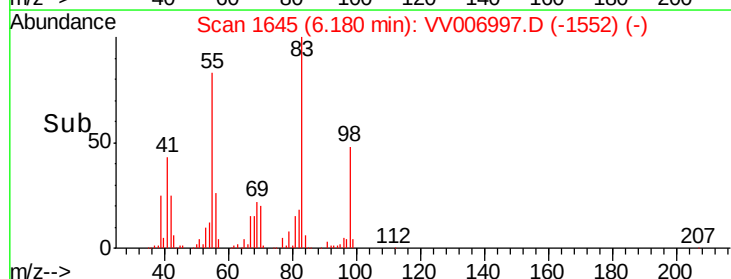
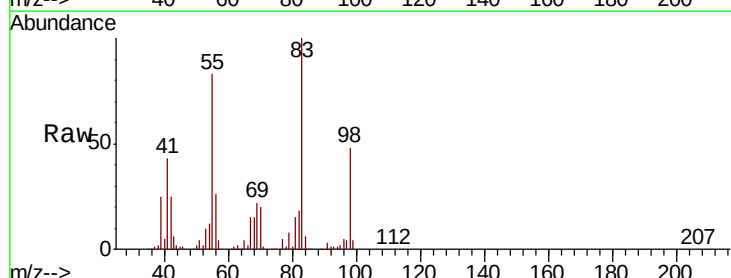
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00585

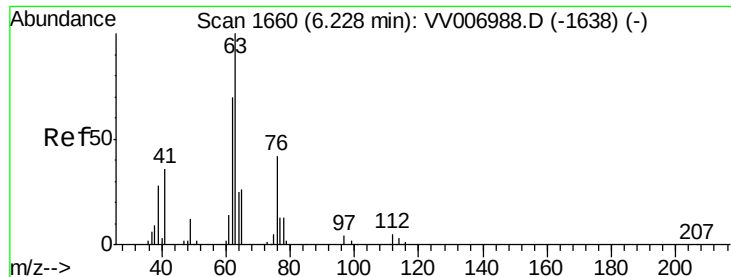
Tot Ion	95	Resp	101329
Ion	Ratio	Lower	Upper
95	100		
97	67.4	44.8	83.2
132	101.0	65.5	121.6
130	106.2	66.4	123.4



#35
 Methylcyclohexane
 Concen: 4.692 ug/L
 RT: 6.18 min Scan# 1645
 Delta R.T. 0.00 min
 Lab File: VV006997.D
 Acq: 10 Aug 2018 21:49

Tgt Ion	83	Resp	153621
Ion	Ratio	Lower	Upper
83	100		
55	83.3	68.1	102.1
98	47.8	37.9	56.9

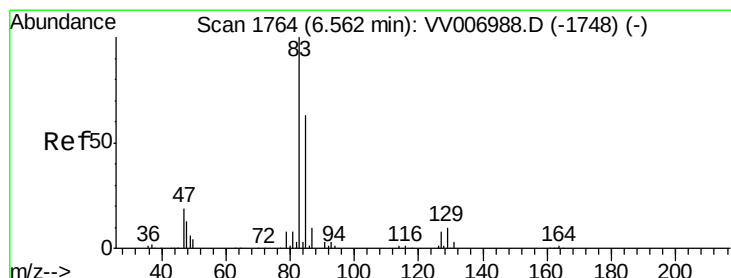
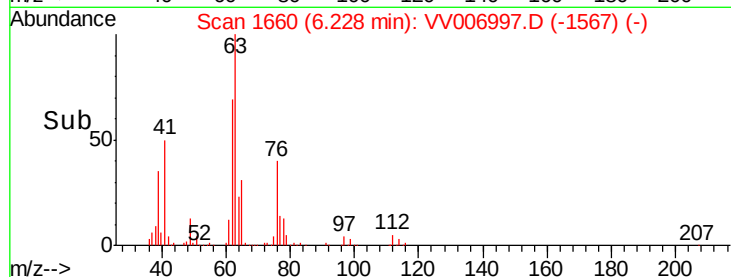
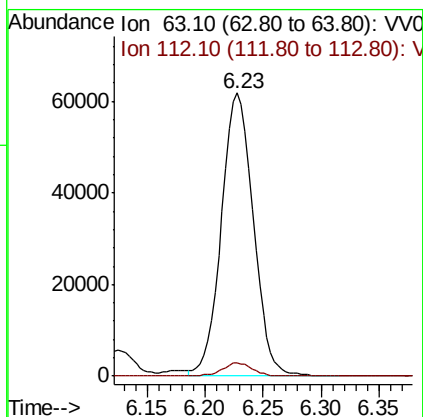
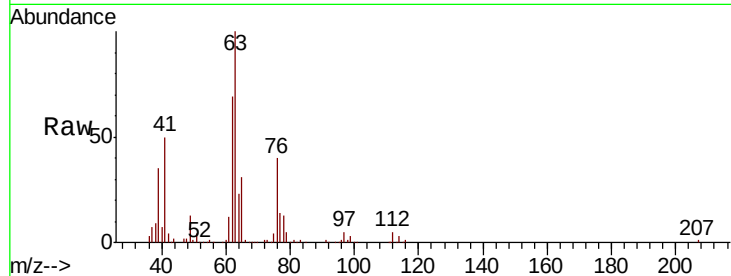




#37
 1,2-Dichloropropane
 Concen: 5.037 ug/L
 RT: 6.23 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VV006997.D
 Acq: 10 Aug 2018 21:49

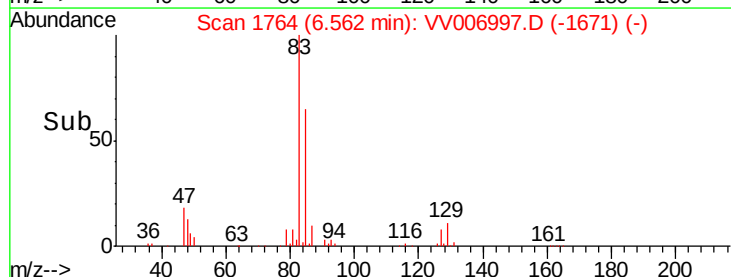
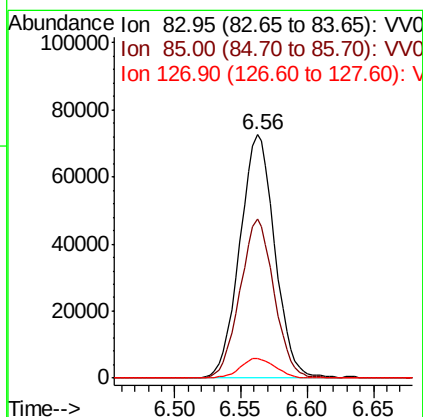
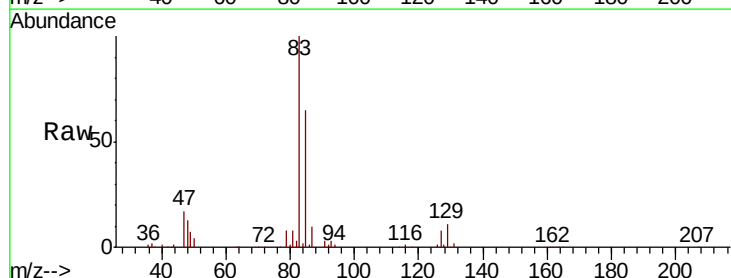
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00585

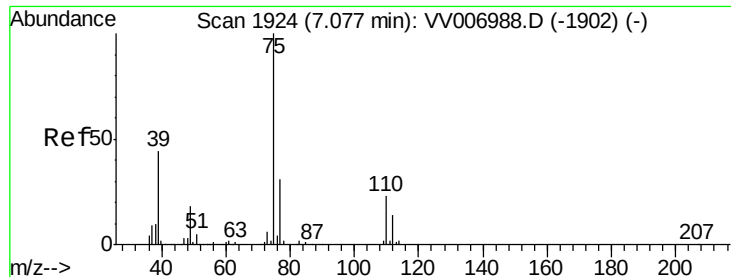
Tot Ion: 63 Resp: 117271
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.5 5.3



#38
 Bromodichloromethane
 Concen: 5.029 ug/L
 RT: 6.56 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VV006997.D
 Acq: 10 Aug 2018 21:49

Tgt Ion: 83 Resp: 133032
 Ion Ratio Lower Upper
 83 100
 85 65.2 43.8 81.4
 127 7.8 6.6 10.0



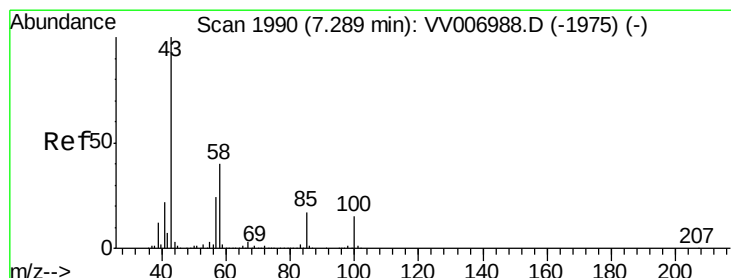
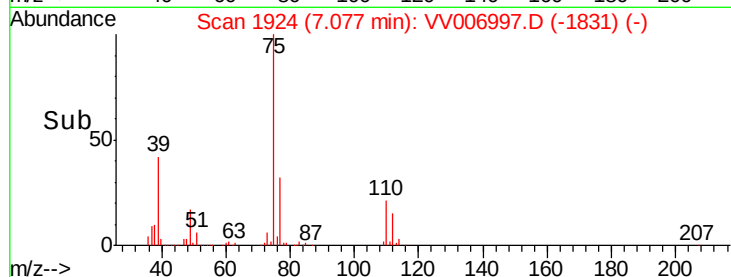
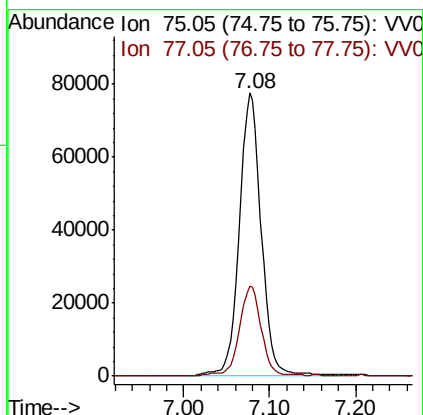
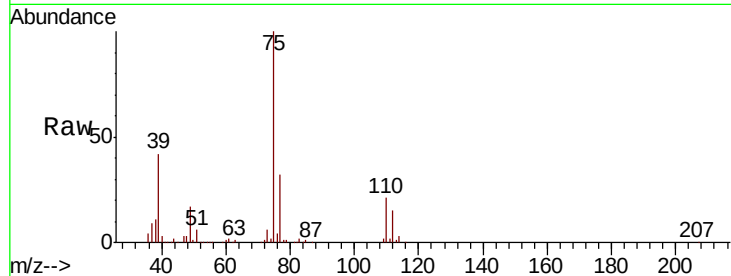


#39

cis-1,3-Dichloropropene
 Concen: 4.900 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV006997.D
 Acq: 10 Aug 2018 21:49

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00585

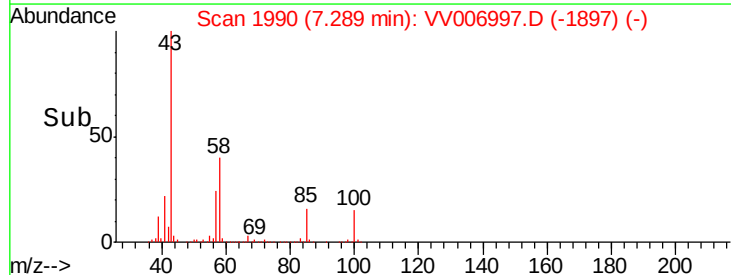
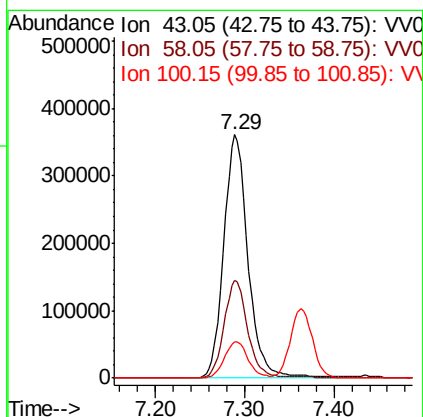
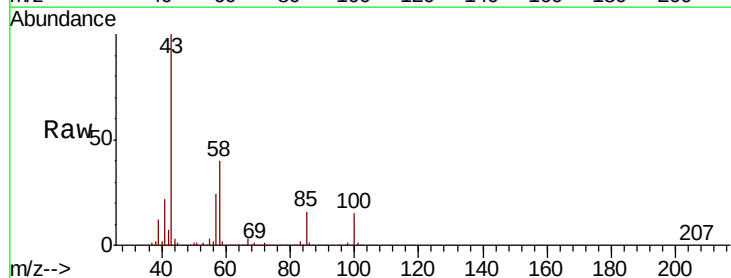
Tot Ion: 75 Resp: 137827
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.0 40.8

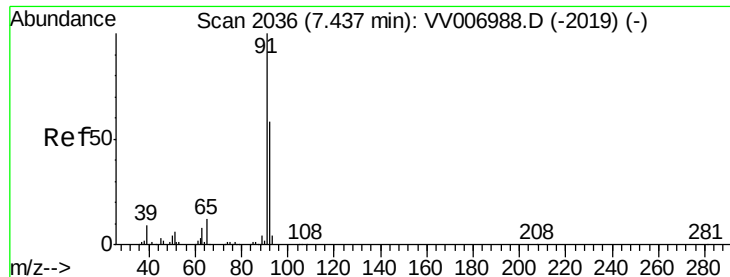


#40

4-Methyl-2-pentanone
 Concen: 54.059 ug/L
 RT: 7.29 min Scan# 1990
 Delta R.T. 0.00 min
 Lab File: VV006997.D
 Acq: 10 Aug 2018 21:49

Tgt Ion: 43 Resp: 679858
 Ion Ratio Lower Upper
 43 100
 58 38.9 30.7 46.1
 100 14.8 11.2 16.8





#42

Toluene

Concen: 5.330 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV006997.D

Acq: 10 Aug 2018 21:49

Instrument :

MSVOA_V

ClientSampleId :

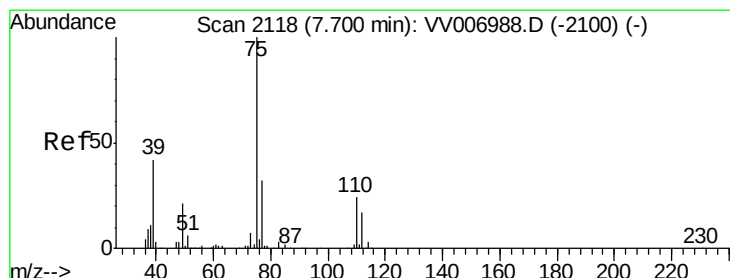
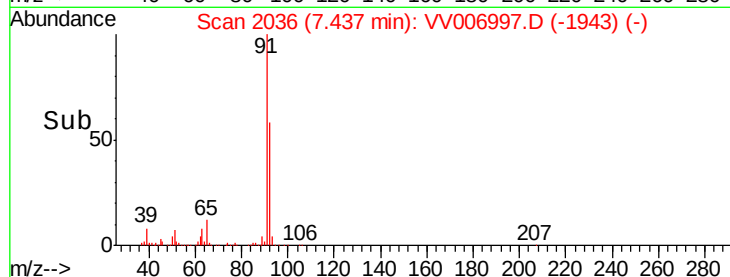
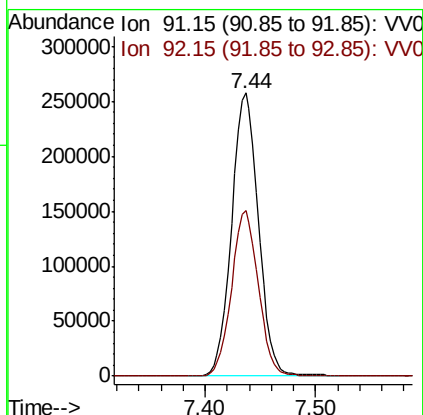
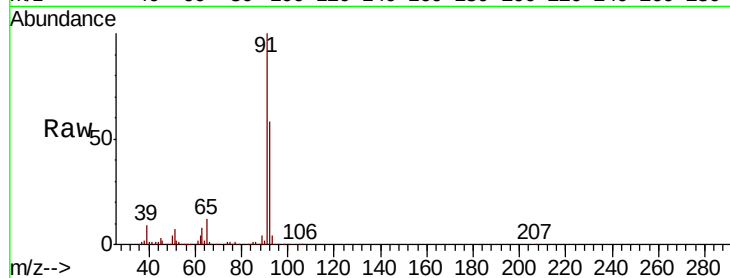
VSTD00585

Tot Ion: 91 Resp: 435597

Ion Ratio Lower Upper

91 100

92 58.3 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 4.973 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV006997.D

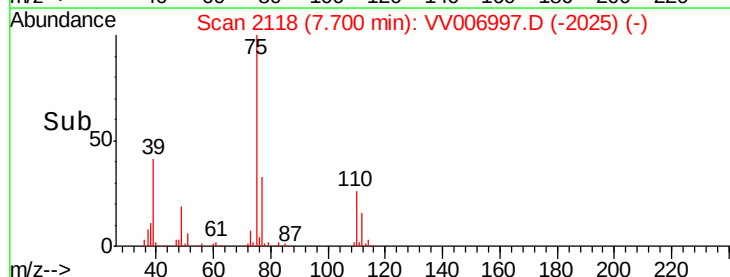
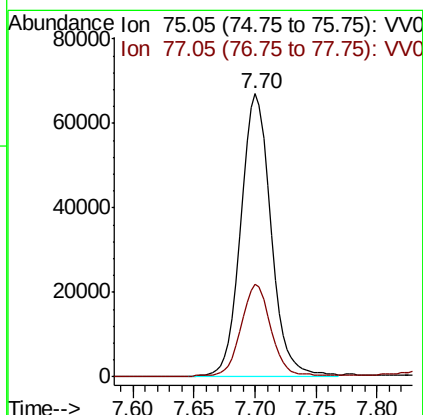
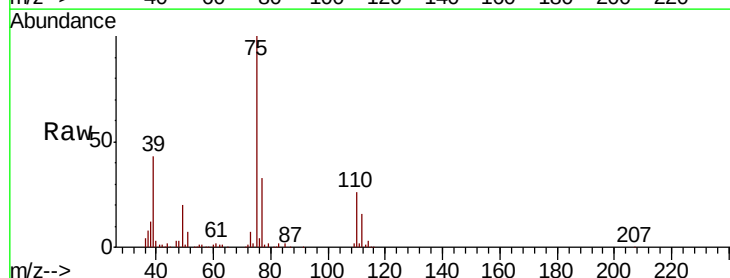
Acq: 10 Aug 2018 21:49

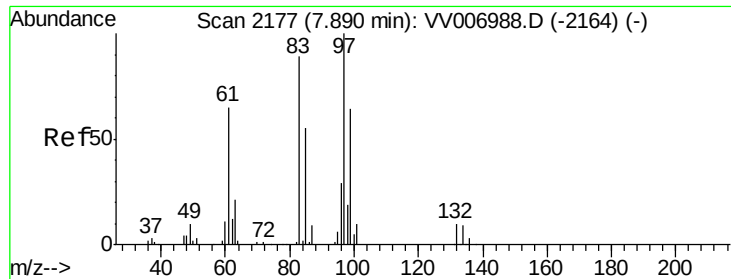
Tgt Ion: 75 Resp: 114794

Ion Ratio Lower Upper

75 100

77 32.9 22.3 41.3

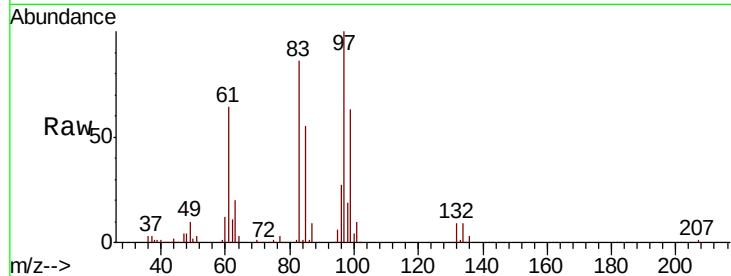




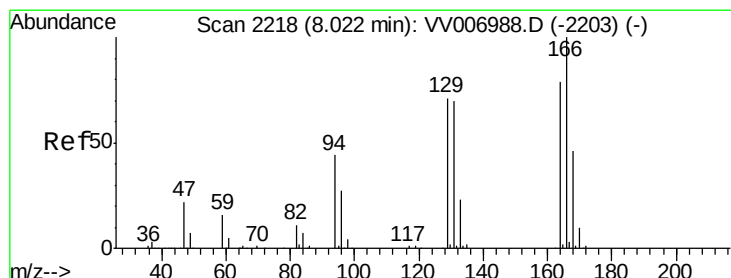
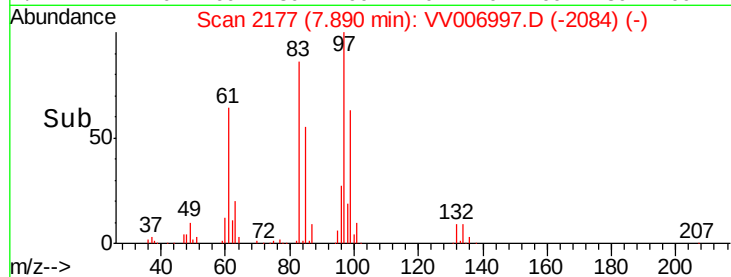
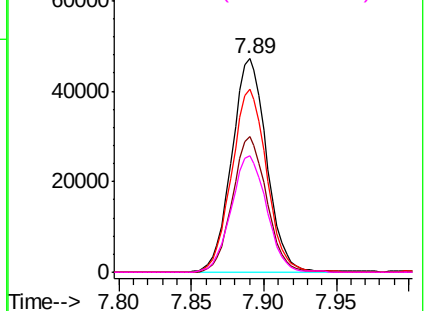
#45
 1,1,2-Trichloroethane
 Concen: 5.222 ug/L
 RT: 7.89 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VV006997.D
 Acq: 10 Aug 2018 21:49

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00585

Tot Ion:	97	Resp:	79094
Ion	Ratio	Lower	Upper
97	100		
99	63.5	40.6	75.4
83	85.6	58.0	107.8
85	54.7	37.5	69.7

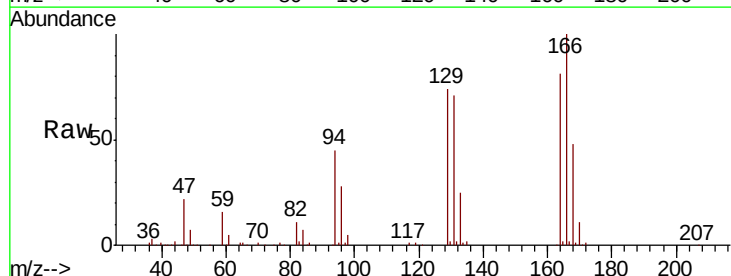


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

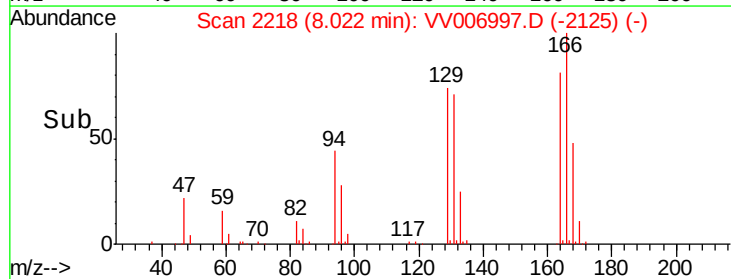
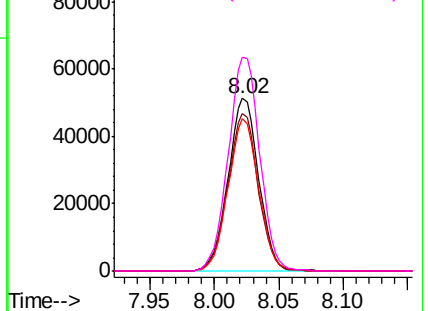


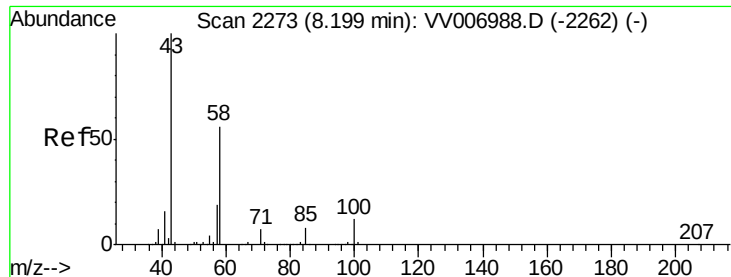
#47
 Tetrachloroethene
 Concen: 5.094 ug/L
 RT: 8.02 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VV006997.D
 Acq: 10 Aug 2018 21:49

Tgt Ion:	164	Resp:	84238
Ion	Ratio	Lower	Upper
164	100		
129	91.2	65.9	122.3
131	88.0	64.2	119.2
166	123.6	89.4	166.0



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

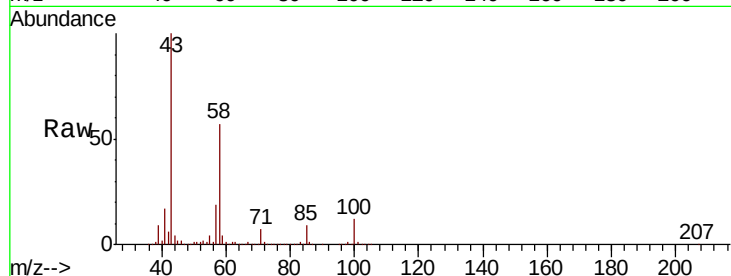




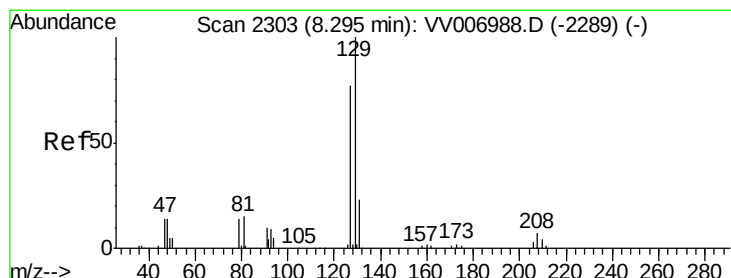
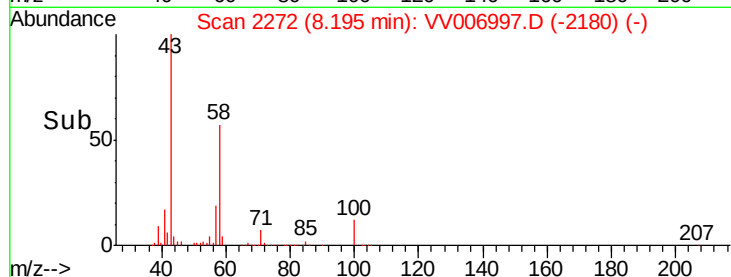
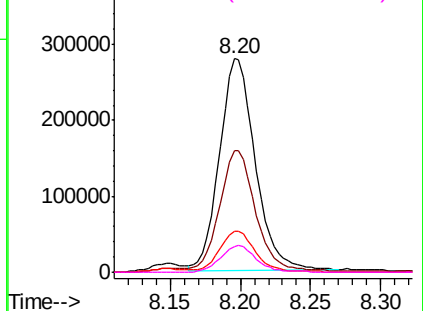
#48
2-Hexanone
Concen: 55.452 ug/L
RT: 8.20 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VV006997.D
Acq: 10 Aug 2018 21:49

Instrument :
MSVOA_V
ClientSampleId :
VSTD00585

Tot Ion: 43 Resp: 491854
Ion Ratio Lower Upper
43 100
58 61.2 44.2 66.2
57 19.0 14.8 22.2
100 12.1 8.8 13.2

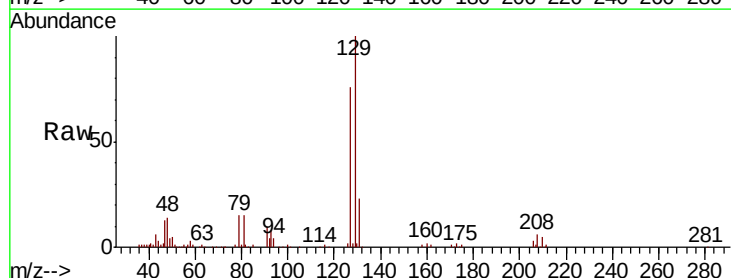


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

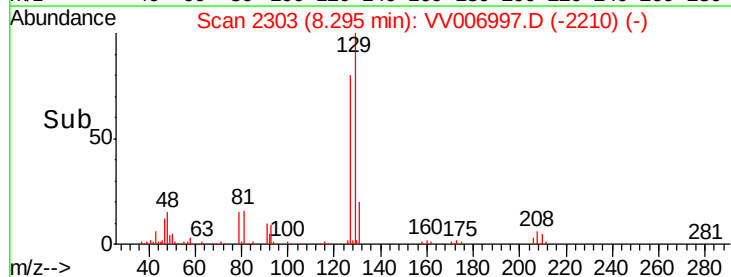
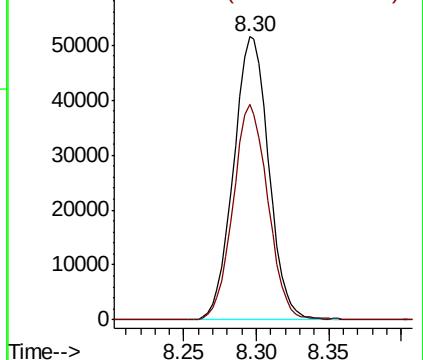


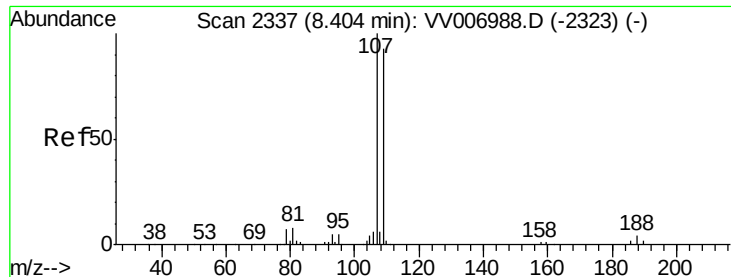
#49
Dibromochloromethane
Concen: 5.480 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VV006997.D
Acq: 10 Aug 2018 21:49

Tgt Ion: 129 Resp: 87070
Ion Ratio Lower Upper
129 100
127 75.9 53.3 98.9



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

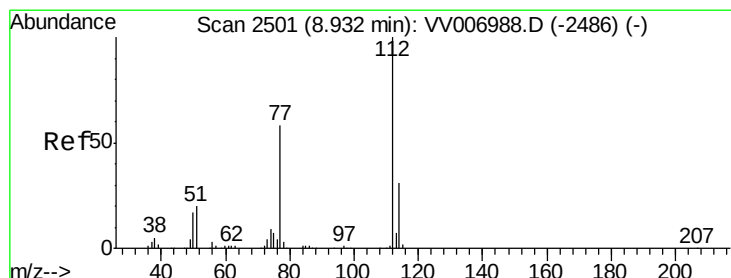
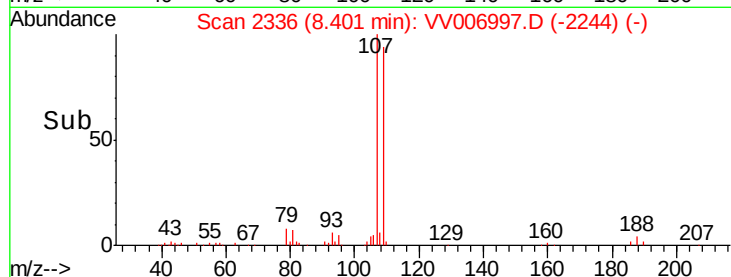
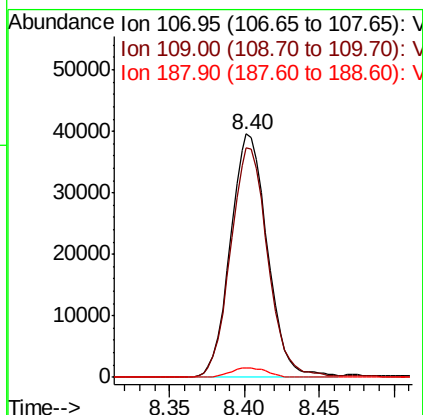
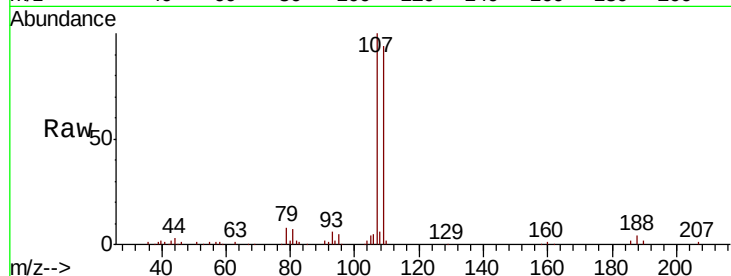




#50
 1,2-Dibromoethane
 Concen: 5.323 ug/L
 RT: 8.40 min Scan# 2336
 Delta R.T. -0.00 min
 Lab File: VV006997.D
 Acq: 10 Aug 2018 21:49

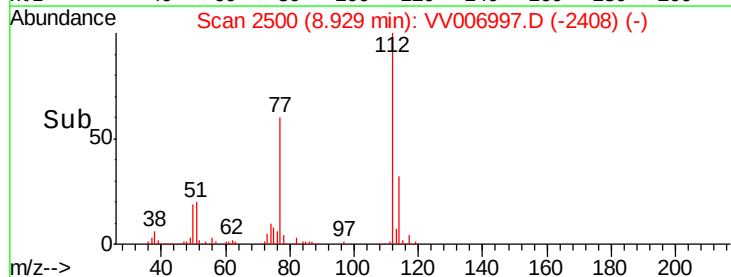
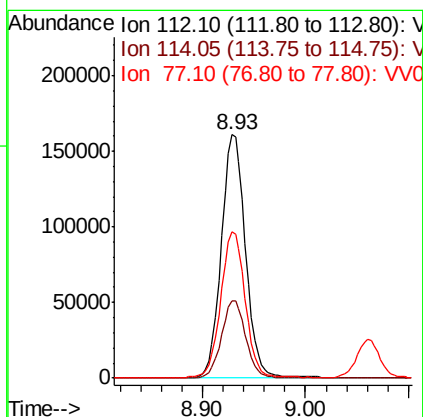
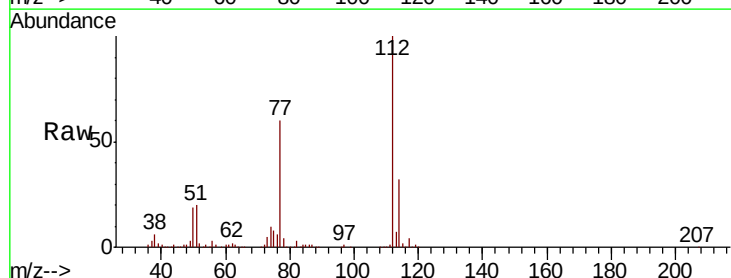
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00585

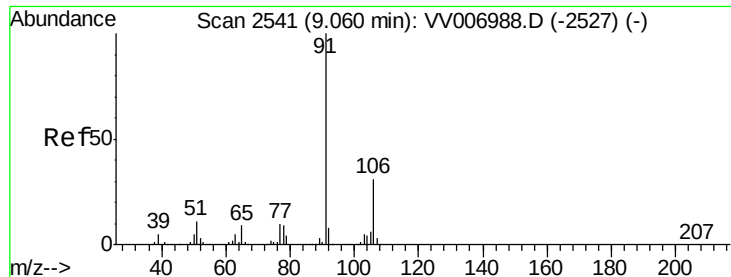
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	64.1	119.1
188	3.8	4.0	6.0



#51
 Chlorobenzene
 Concen: 5.069 ug/L
 RT: 8.93 min Scan# 2500
 Delta R.T. -0.00 min
 Lab File: VV006997.D
 Acq: 10 Aug 2018 21:49

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.6	21.8	40.6
77	60.2	48.0	72.0





#52

Ethylbenzene

Concen: 5.016 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV006997.D

Acq: 10 Aug 2018 21:49

Instrument :

MSVOA_V

ClientSampleId :

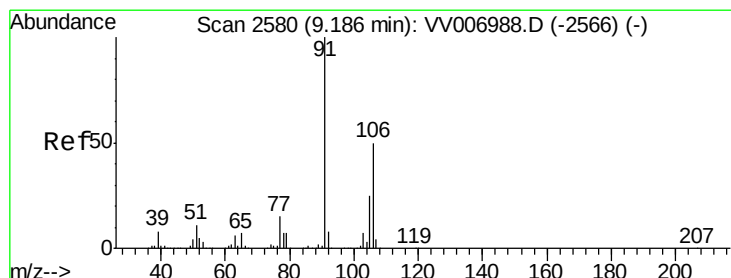
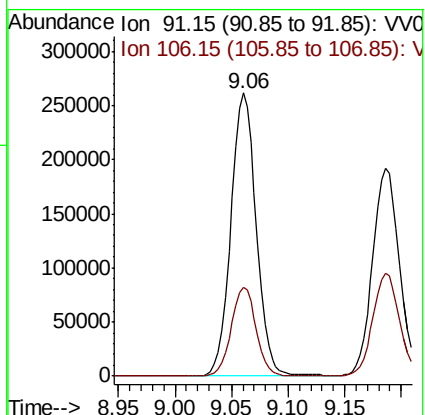
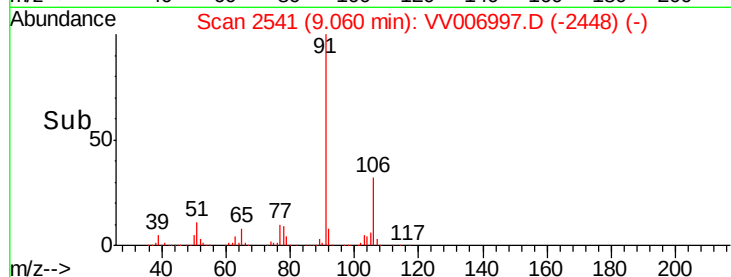
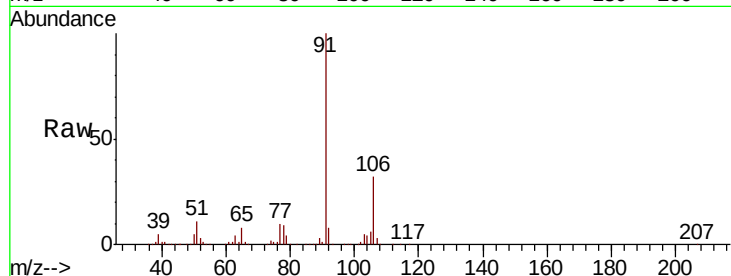
VSTD00585

Tot Ion: 91 Resp: 409358

Ion Ratio Lower Upper

91 100

106 31.5 21.3 39.5



#53

m,p-xylene

Concen: 5.199 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV006997.D

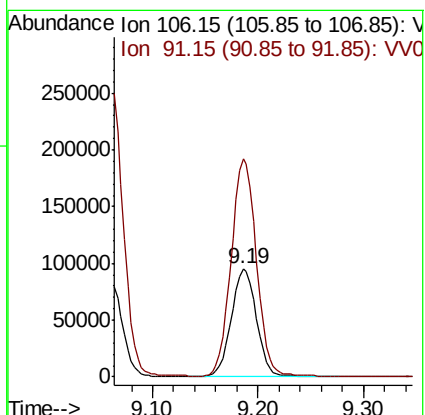
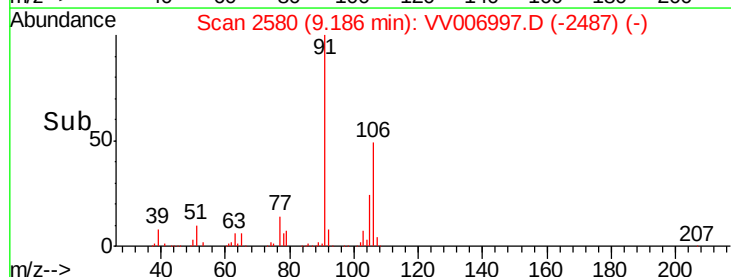
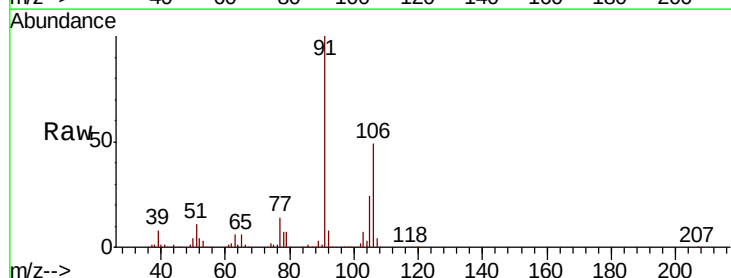
Acq: 10 Aug 2018 21:49

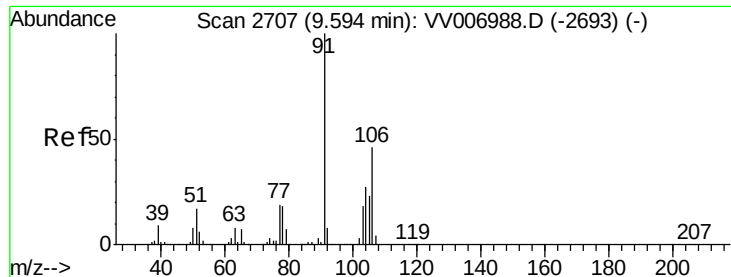
Tgt Ion: 106 Resp: 158173

Ion Ratio Lower Upper

106 100

91 202.4 141.6 263.0





#54

o-xylene

Concen: 5.061 ug/L

RT: 9.59 min Scan# 2707

Delta R.T. 0.00 min

Lab File: VV006997.D

Acq: 10 Aug 2018 21:49

Instrument :

MSVOA_V

ClientSampleId :

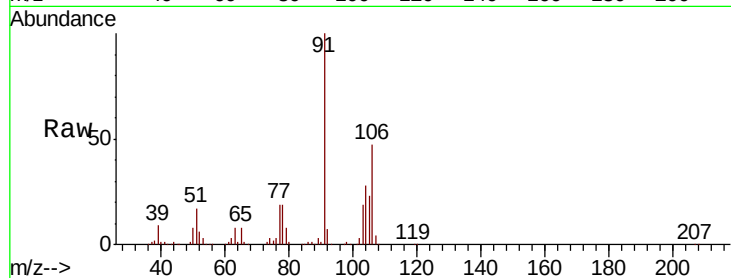
VSTD00585

Tot Ion:106 Resp: 145892

Ion Ratio Lower Upper

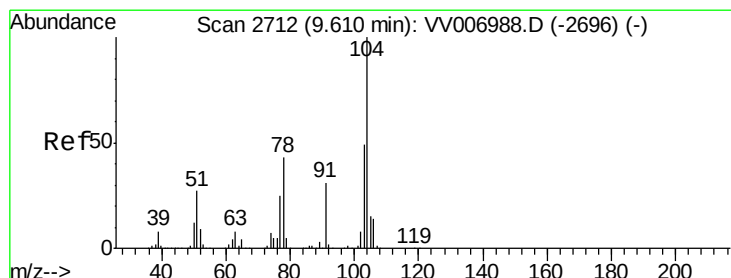
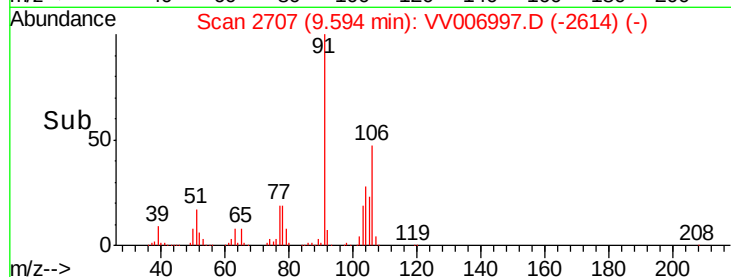
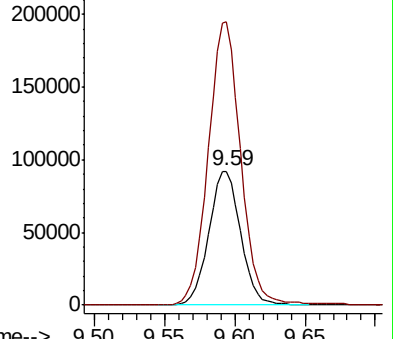
106 100

91 211.2 149.8 278.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.274 ug/L

RT: 9.61 min Scan# 2712

Delta R.T. 0.00 min

Lab File: VV006997.D

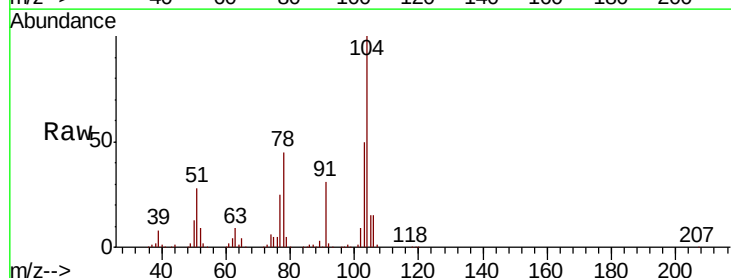
Acq: 10 Aug 2018 21:49

Tgt Ion:104 Resp: 256298

Ion Ratio Lower Upper

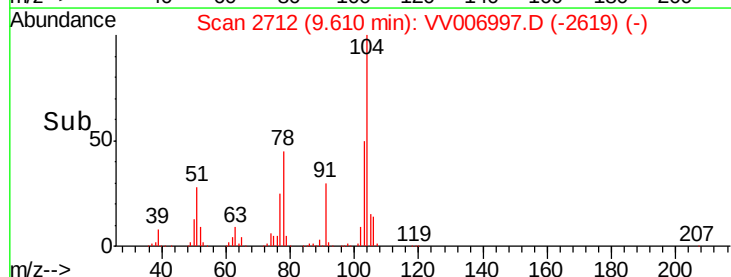
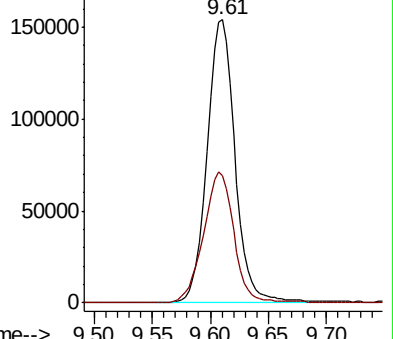
104 100

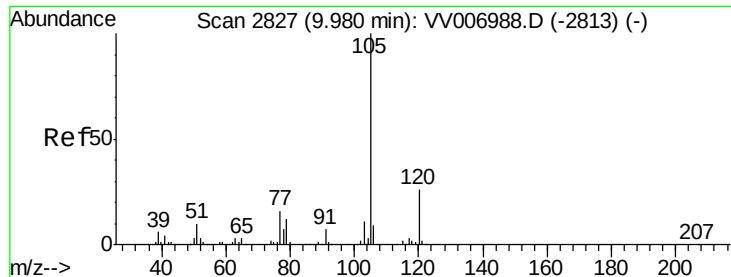
78 45.1 30.4 56.5



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.071 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VV006997.D

Acq: 10 Aug 2018 21:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD00585

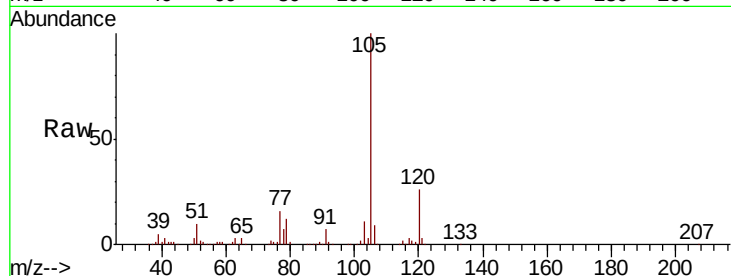
Tot Ion:105 Resp: 383539

Ion Ratio Lower Upper

105 100

120 26.5 21.1 31.7

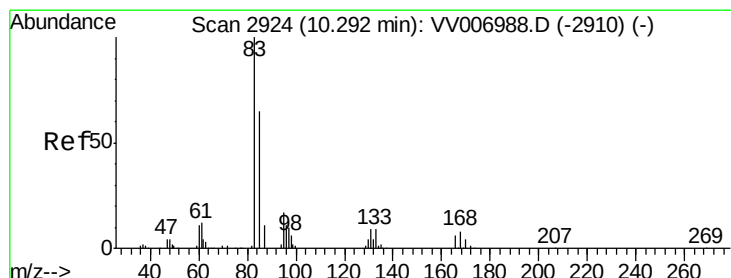
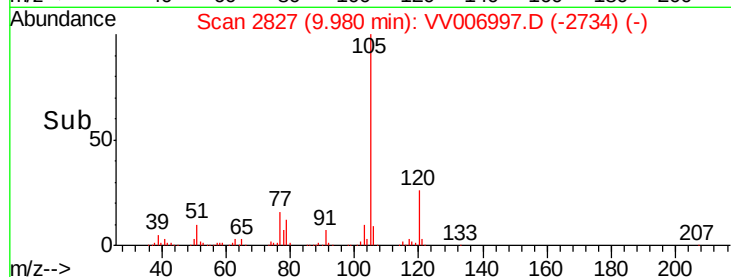
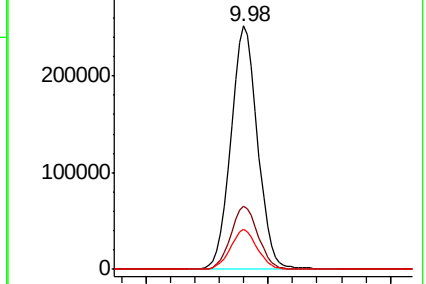
77 16.4 13.0 19.4



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: 5.325 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VV006997.D

Acq: 10 Aug 2018 21:49

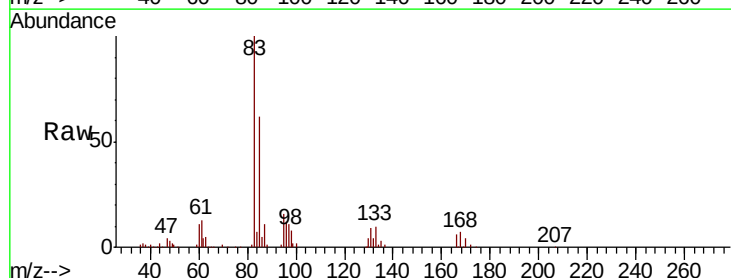
Tgt Ion: 83 Resp: 98023

Ion Ratio Lower Upper

83 100

85 62.1 43.0 79.8

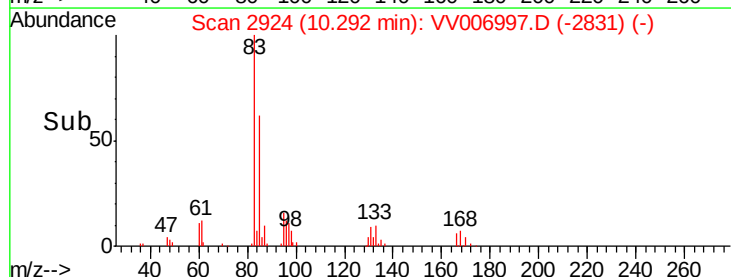
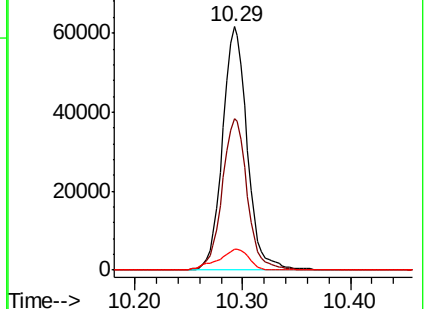
131 8.6 7.4 11.2

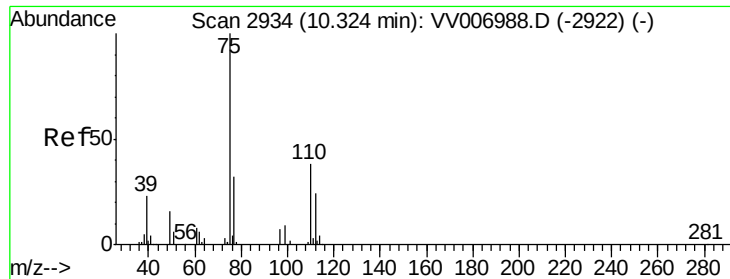


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.284 ug/L

RT: 10.32 min Scan# 2934

Delta R.T. 0.00 min

Lab File: VV006997.D

Acq: 10 Aug 2018 21:49

Instrument :

MSVOA_V

ClientSampleId :

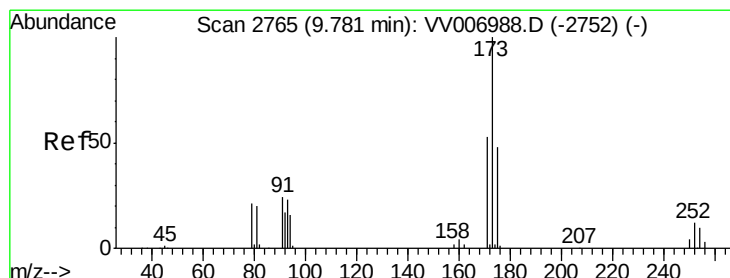
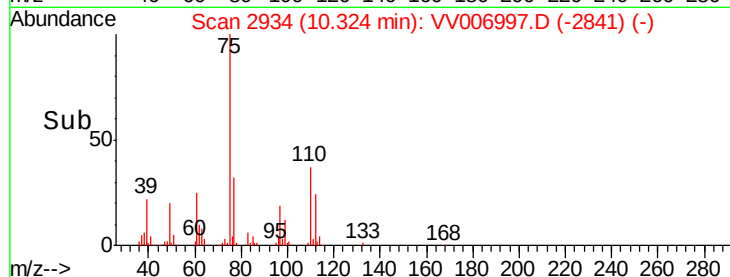
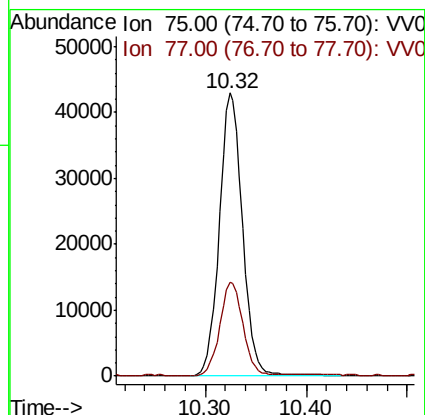
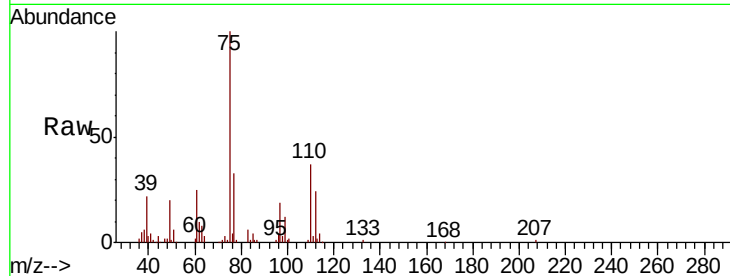
VSTD00585

Tot Ion: 75 Resp: 68865

Ion Ratio Lower Upper

75 100

77 33.9 25.4 38.0



#61

Bromoform

Concen: 5.324 ug/L

RT: 9.78 min Scan# 2765

Delta R.T. 0.00 min

Lab File: VV006997.D

Acq: 10 Aug 2018 21:49

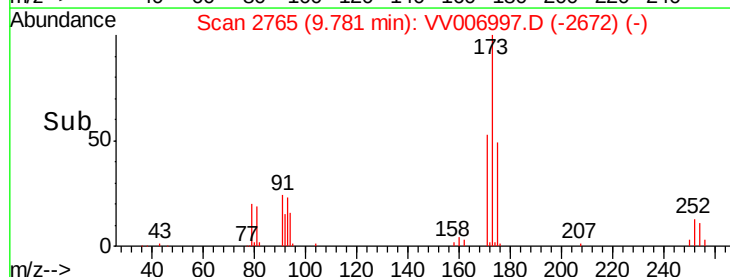
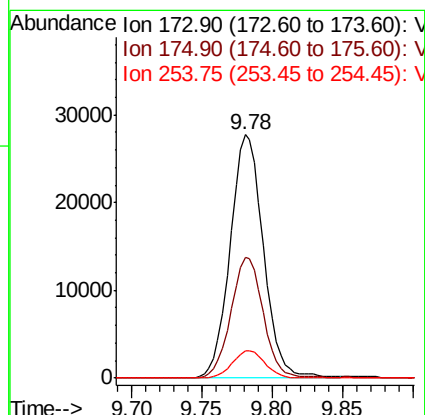
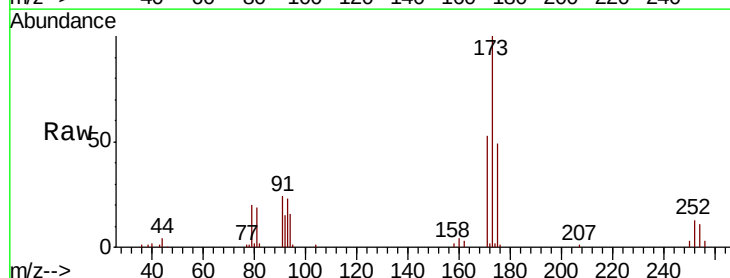
Tgt Ion: 173 Resp: 45731

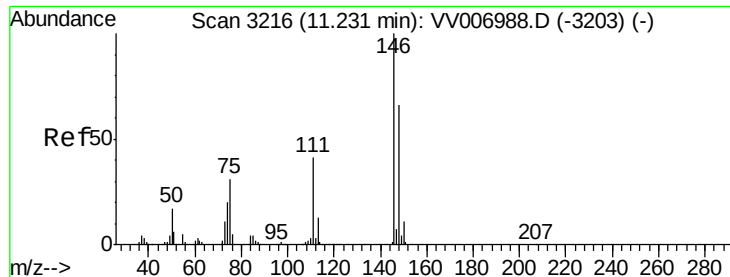
Ion Ratio Lower Upper

173 100

175 48.1 39.3 58.9

254 11.0 8.3 12.5





#62

1,3-Dichlorobenzene

Concen: 4.997 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. 0.00 min

Lab File: VV006997.D

Acq: 10 Aug 2018 21:49

Instrument :

MSVOA_V

ClientSampled :

VSTD00585

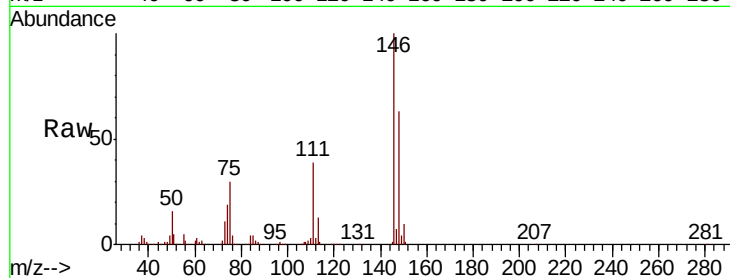
Tot Ion:146 Resp: 183407

Ion Ratio Lower Upper

146 100

111 39.3 28.1 52.3

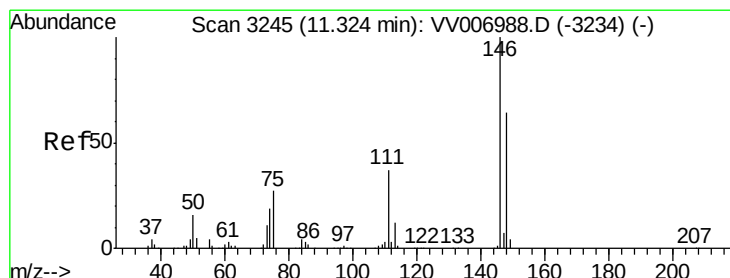
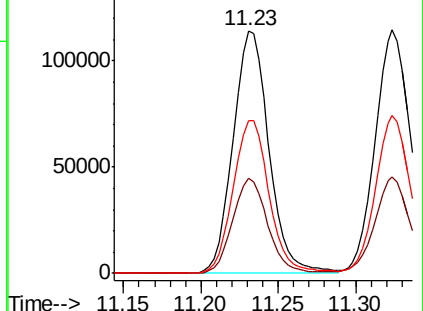
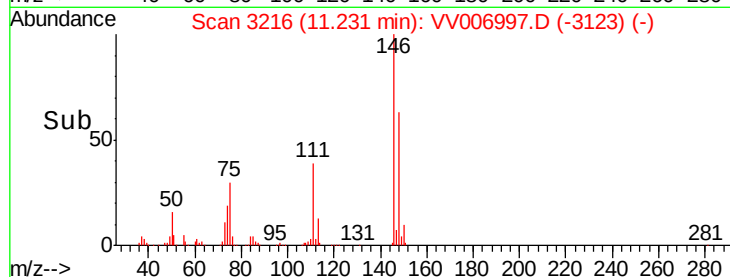
148 63.0 44.2 82.2



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



#63

1,4-Dichlorobenzene

Concen: 5.034 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. 0.00 min

Lab File: VV006997.D

Acq: 10 Aug 2018 21:49

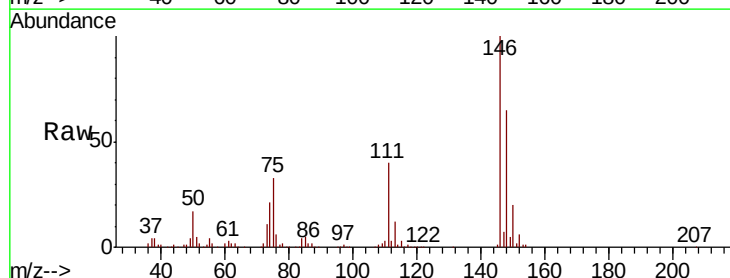
Tgt Ion:146 Resp: 189353

Ion Ratio Lower Upper

146 100

111 39.8 26.6 49.4

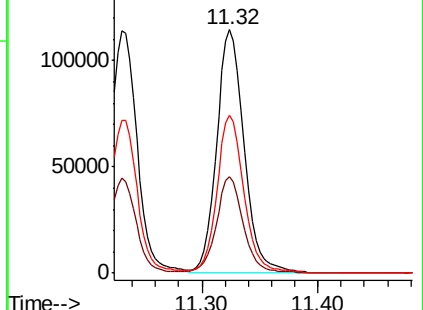
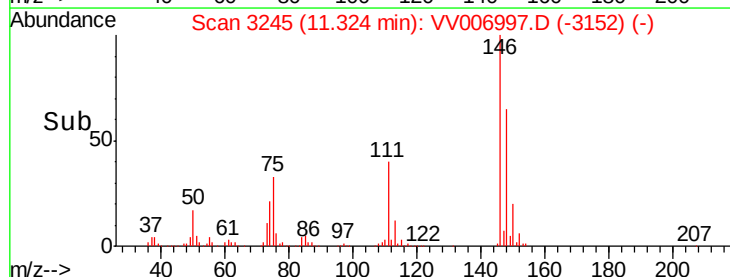
148 64.9 46.4 86.2

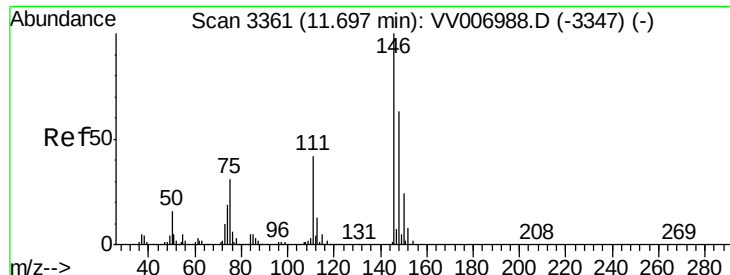


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

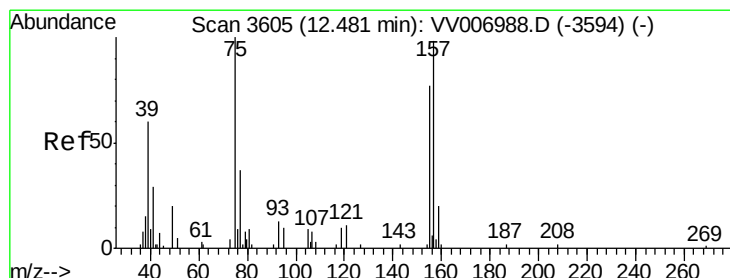
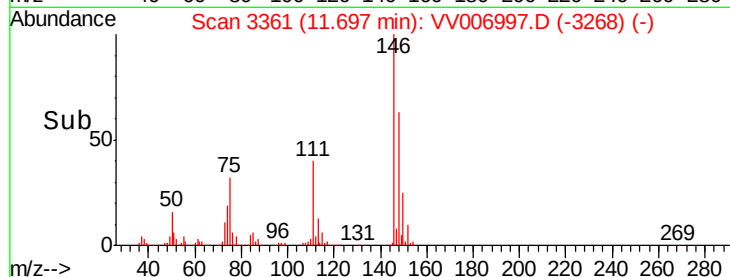
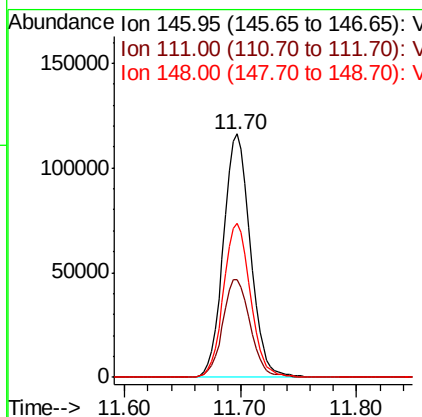
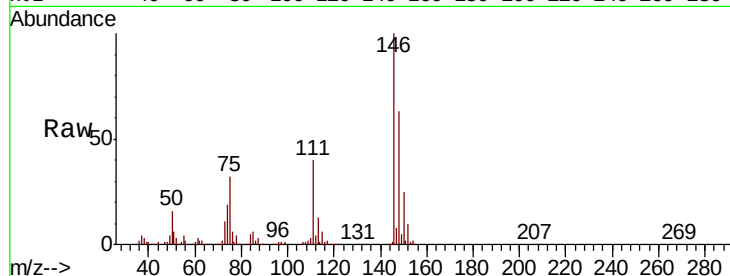




#65
 1,2-Dichlorobenzene
 Concen: 5.158 ug/L
 RT: 11.70 min Scan# 3361
 Delta R.T. 0.00 min
 Lab File: VV006997.D
 Acq: 10 Aug 2018 21:49

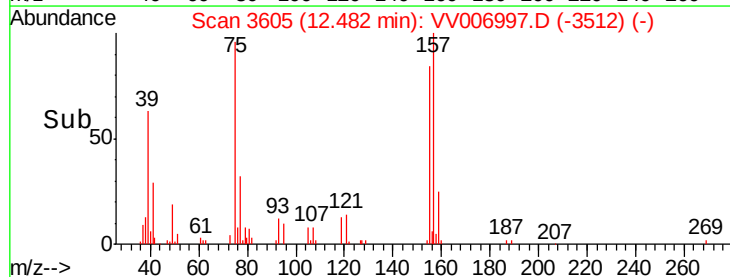
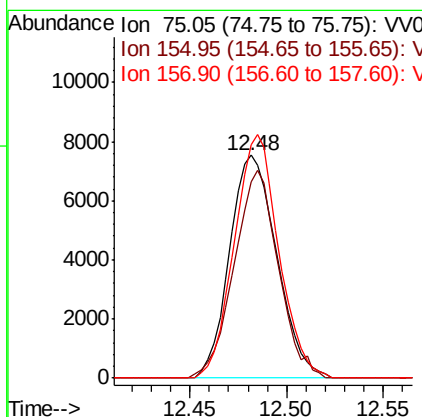
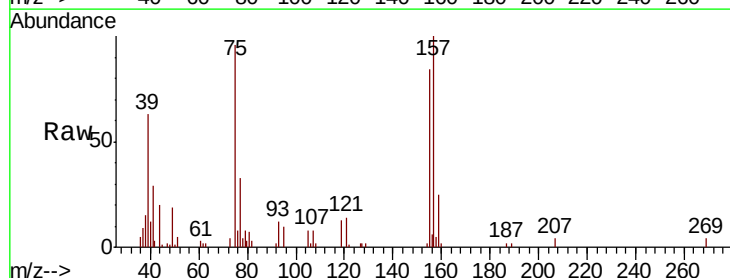
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00585

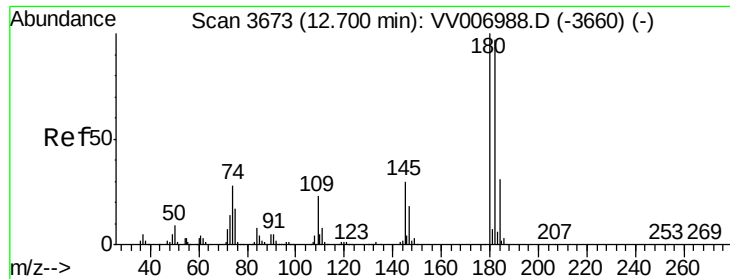
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	33.0	49.6
148	63.4	50.6	75.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.989 ug/L
 RT: 12.48 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VV006997.D
 Acq: 10 Aug 2018 21:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.8	62.6	94.0
157	104.6	77.0	115.6

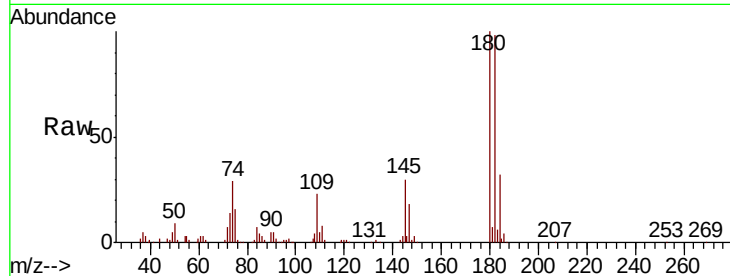




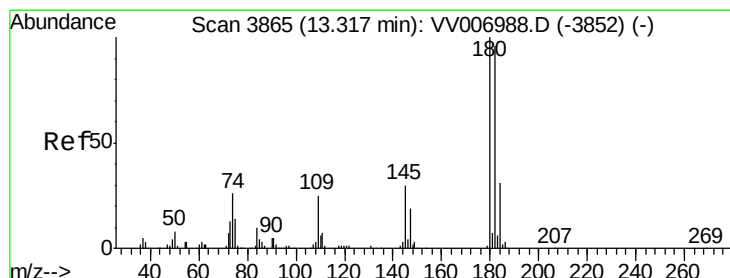
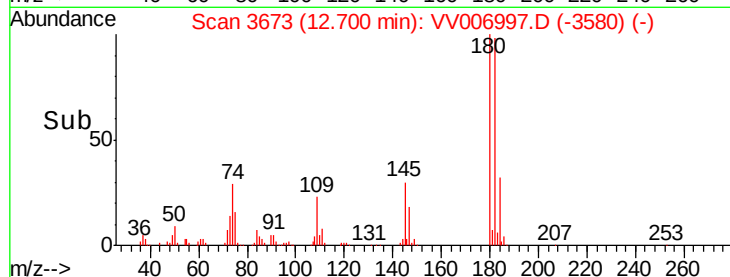
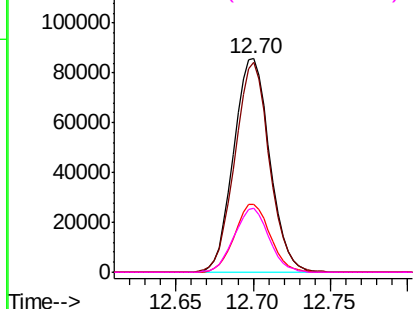
#67
 1,3,5-Trichlorobenzene
 Concen: 4.989 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. 0.00 min
 Lab File: VV006997.D
 Acq: 10 Aug 2018 21:49

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00585

Tot Ion:180	Resp:	138587
Ion Ratio	Lower	Upper
180	100	
182	94.4	75.1 112.7
184	31.3	23.8 35.8
145	29.0	21.9 32.9

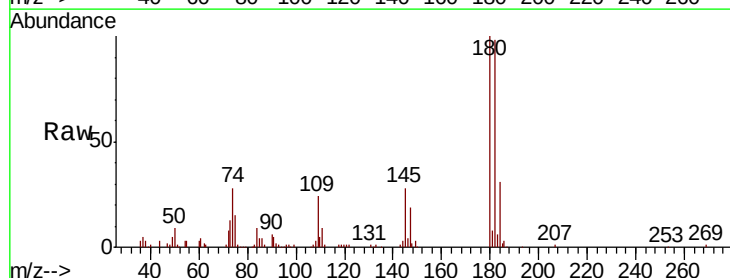


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

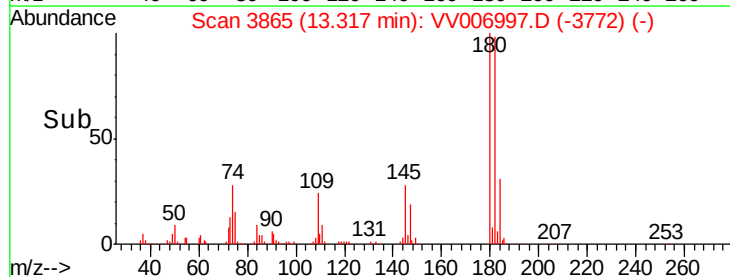
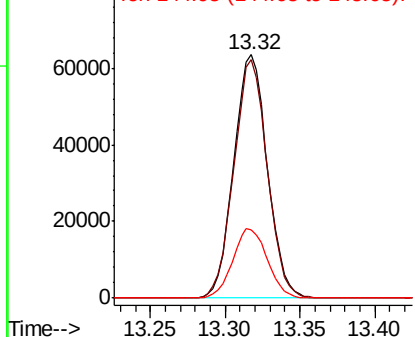


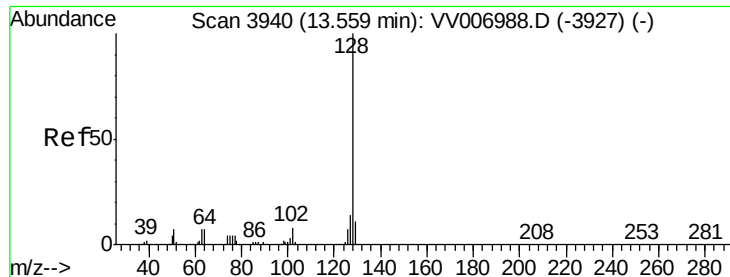
#68
 1,2,4-trichlorobenzene
 Concen: 4.868 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. 0.00 min
 Lab File: VV006997.D
 Acq: 10 Aug 2018 21:49

Tgt Ion:180	Resp:	99229
Ion Ratio	Lower	Upper
180	100	
182	97.3	76.5 114.7
145	29.2	23.6 35.4



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





#69

Naphthalene

Concen: 4.904 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. 0.00 min

Lab File: VV006997.D

Acq: 10 Aug 2018 21:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD00585

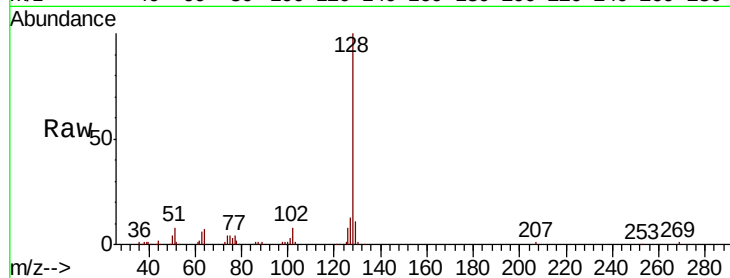
Tot Ion:128 Resp: 143556

Ion Ratio Lower Upper

128 100

129 10.8 8.5 12.7

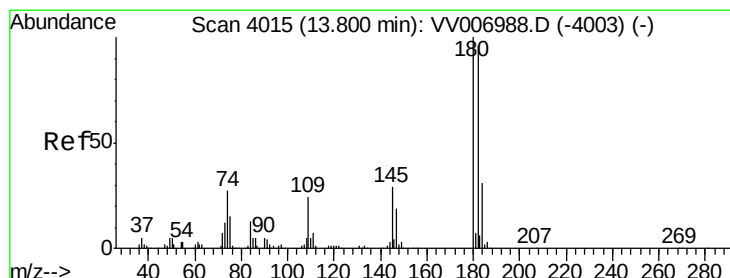
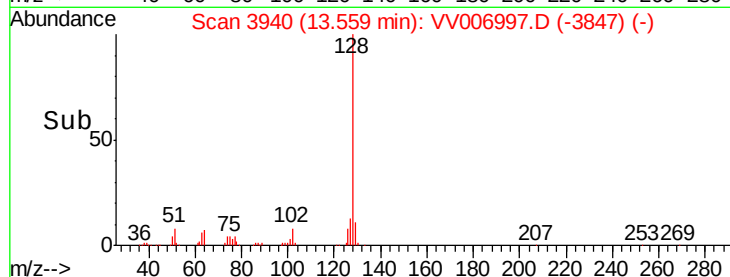
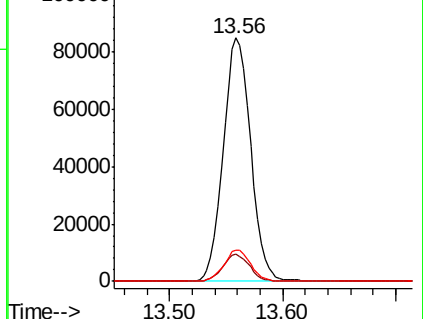
127 12.6 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.108 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. 0.00 min

Lab File: VV006997.D

Acq: 10 Aug 2018 21:49

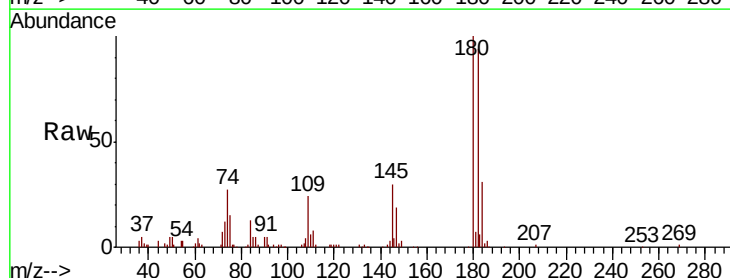
Tgt Ion:180 Resp: 100360

Ion Ratio Lower Upper

180 100

182 95.4 76.1 114.1

145 30.4 24.6 36.8



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

