

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_V\DATA\VV081518\
 Data File : VV007032.D
 Acq On : 16 Aug 2018 00:33
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0 mL/MSVOA_V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00588

Quant Time: Aug 16 02:50:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR080918WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Aug 16 02:48:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	211354	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	206452	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	95012	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	93468	6.85	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	137.00%#
7) Chloroethane-d5	1.58	69	74789	6.46	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	129.20%
11) 1,1-Dichloroethene-d2	2.13	63	162274	6.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	126.80%#
20) 2-Butanone-d5	3.97	46	248718	63.39	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	126.78%
24) Chloroform-d	4.41	84	181606	6.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	131.20%#
26) 1,2-Dichloroethane-d4	5.09	65	89003	6.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	127.40%
32) Benzene-d6	5.10	84	351578	6.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	132.60%#
36) 1,2-Dichloropropane-d6	6.12	67	114387	6.31	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	126.20%
41) Toluene-d8	7.36	98	321155	7.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	142.40%#
43) trans-1,3-Dichloropropene-	7.67	79	38123	6.04	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	120.80%
46) 2-Hexanone-d5	8.14	63	158900	61.60	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	123.20%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	88311	6.25	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	125.00%#
64) 1,2-Dichlorobenzene-d4	11.68	152	102762	6.22	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	124.40%#

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	108826	5.287	ug/L 100
3) Chloromethane	1.25	50	101489	5.124	ug/L 100
5) Vinyl chloride	1.32	62	107968	5.274	ug/L 98
6) Bromomethane	1.54	94	25225	5.677	ug/L 99
8) Chloroethane	1.60	64	67288	5.417	ug/L 99
9) Trichlorofluoromethane	1.77	101	142092	5.454	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	83648	5.351	ug/L 98
12) 1,1-Dichloroethene	2.14	96	81959	5.400	ug/L 95
13) Acetone	2.21	43	125857	62.298	ug/L 99
14) Carbon disulfide	2.32	76	249450	4.979	ug/L 100
15) Methyl Acetate	2.47	43	35106	6.174	ug/L 91
16) Methylene chloride	2.54	84	89528	4.892	ug/L 96
17) Methyl tert-butyl Ether	2.82	73	201154	5.528	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	88864	5.468	ug/L 98
19) 1,1-Dichloroethane	3.23	63	159347	5.431	ug/L 97
21) 2-Butanone	4.05	43	265396	60.505	ug/L 98
22) cis-1,2-Dichloroethene	3.96	96	96806	5.249	ug/L 100

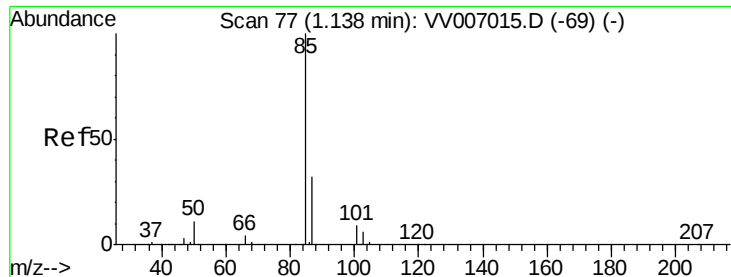
Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_V\DATA\VV081518\
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Aug 16 02:48:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	44000	5.854	ug/L	91
25) Chloroform	4.43	83	177556	5.531	ug/L	97
27) 1,2-Dichloroethane	5.19	62	111659	5.578	ug/L	96
29) 1,1,1-Trichloroethane	4.66	97	153196	5.565	ug/L	98
30) Cyclohexane	4.73	56	137476	4.798	ug/L	98
31) Carbon tetrachloride	4.87	117	125515	5.437	ug/L	98
33) Benzene	5.15	78	394408	5.514	ug/L	100
34) Trichloroethene	5.96	95	91459	5.333	ug/L	95
35) Methylcyclohexane	6.18	83	137102	4.980	ug/L	99
37) 1,2-Dichloropropane	6.23	63	102811	5.251	ug/L	98
38) Bromodichloromethane	6.56	83	121064	5.442	ug/L	99
39) cis-1,3-Dichloropropene	7.08	75	117955	4.987	ug/L	98
40) 4-Methyl-2-pentanone	7.29	43	601046	56.834	ug/L	99
42) Toluene	7.44	91	393364	5.723	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	104344	5.375	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	71160	5.587	ug/L	94
47) Tetrachloroethene	8.02	164	75539	5.432	ug/L	97
48) 2-Hexanone	8.20	43	464705	62.303	ug/L	99
49) Dibromochloromethane	8.30	129	78411	5.869	ug/L	98
50) 1,2-Dibromoethane	8.40	107	61711	5.736	ug/L #	92
51) Chlorobenzene	8.93	112	236696	5.403	ug/L	99
52) Ethylbenzene	9.06	91	364173	5.306	ug/L	99
53) m,p-xylene	9.19	106	137279	5.366	ug/L	98
54) o-xylene	9.59	106	127608	5.264	ug/L	100
55) Styrene	9.61	104	227038	5.556	ug/L	98
56) Isopropylbenzene	9.98	105	340435	5.353	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	88220	5.699	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	63593	5.803	ug/L	98
61) Bromoform	9.78	173	43211	6.005	ug/L	98
62) 1,3-Dichlorobenzene	11.23	146	164082	5.337	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	168643	5.352	ug/L	97
65) 1,2-Dichlorobenzene	11.70	146	168170	5.561	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	11508	5.360	ug/L	95
67) 1,3,5-Trichlorobenzene	12.70	180	121852	5.237	ug/L	98
68) 1,2,4-trichlorobenzene	13.32	180	85531	5.008	ug/L	99
69) Naphthalene	13.56	128	111872	4.562	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	85511	5.195	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 5.287 ug/L

RT: 1.14 min Scan# 77

Delta R.T. 0.00 min

Lab File: VV007032.D

Acq: 16 Aug 2018 00:33

Instrument :

MSVOA_V

ClientSampleId :

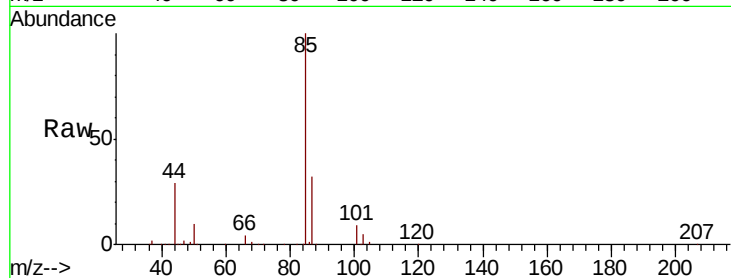
VSTD00588

Tgt Ion: 85 Resp: 108826

Ion Ratio Lower Upper

85 100

87 32.0 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VV007015.D (-69) (-)

Ion 87.00 (86.70 to 87.70): VV007015.D (-69) (-)

1.14

120000

100000

80000

60000

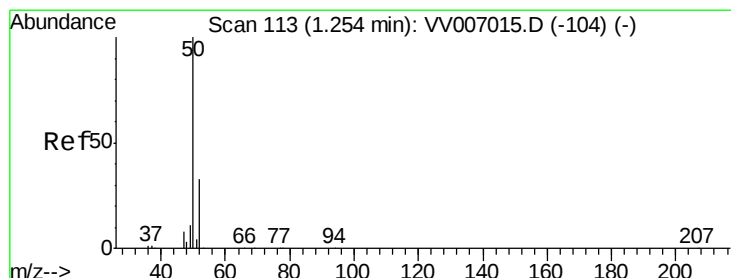
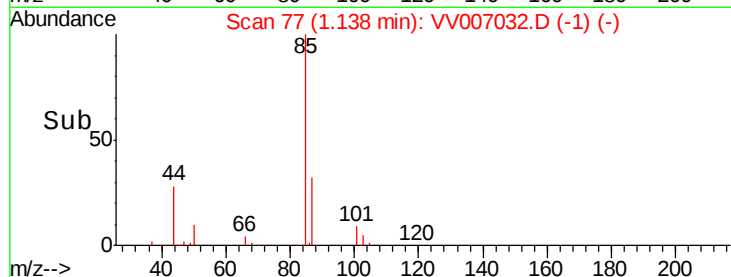
40000

20000

0

1.10 1.15 1.20

Time-->



#3

Chloromethane

Concen: 5.124 ug/L

RT: 1.25 min Scan# 112

Delta R.T. -0.00 min

Lab File: VV007032.D

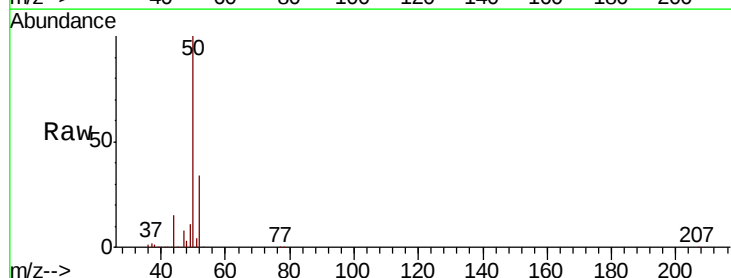
Acq: 16 Aug 2018 00:33

Tgt Ion: 50 Resp: 101489

Ion Ratio Lower Upper

50 100

52 33.5 23.6 43.8



Abundance Ion 50.05 (49.75 to 50.75): VV007015.D (-104) (-)

Ion 52.05 (51.75 to 52.75): VV007015.D (-104) (-)

1.25

100000

80000

60000

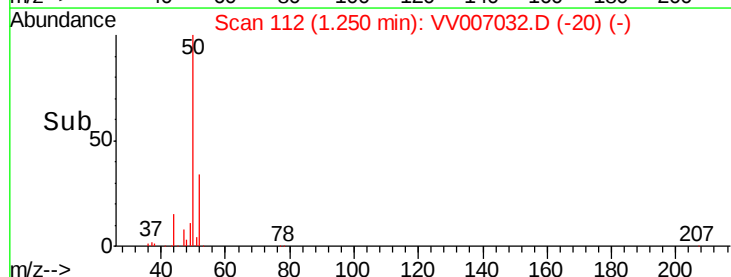
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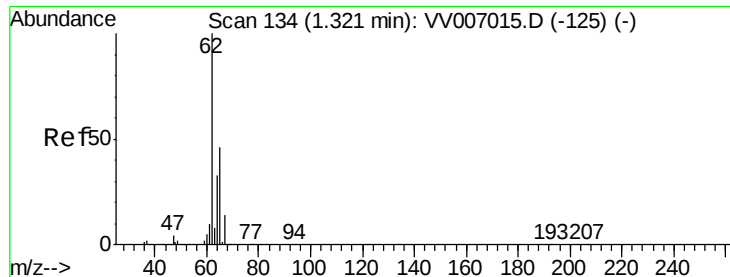
20000

0

1.20 1.25 1.30

Time-->





#5

Vinyl chloride

Concen: 5.274 ug/L

RT: 1.32 min Scan# 134

Delta R.T. 0.00 min

Lab File: VV007032.D

Acq: 16 Aug 2018 00:33

Instrument :

MSVOA_V

ClientSampleId :

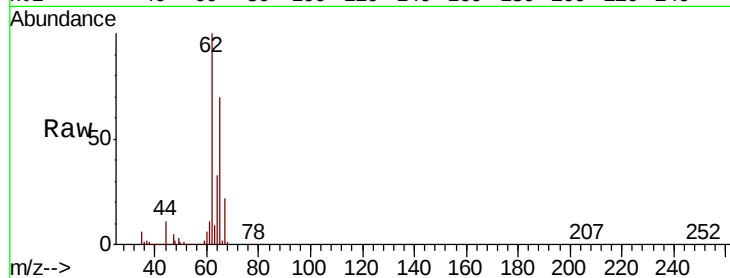
VSTD00588

Tgt Ion: 62 Resp: 107968

Ion Ratio Lower Upper

62 100

64 32.6 23.5 43.7



Abundance Ion 62.00 (61.70 to 62.70): VV007015.D (-125) (-)

Ion 64.10 (63.80 to 64.80): VV007015.D (-125) (-)

1.32

120000

100000

80000

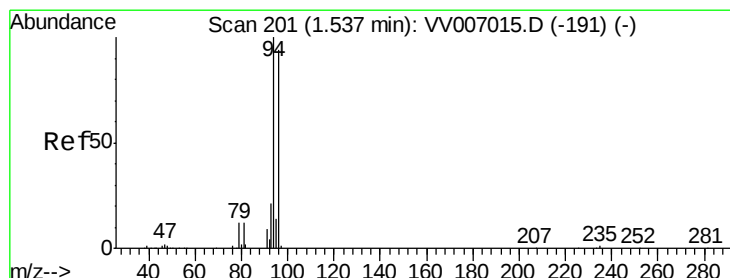
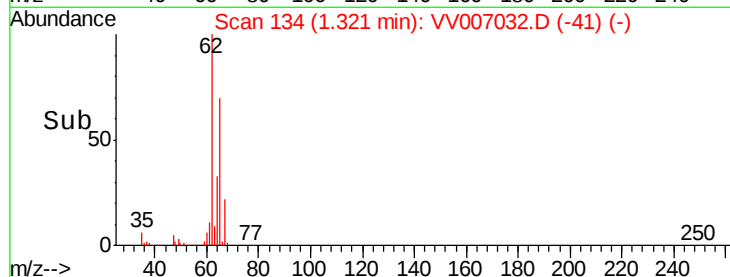
60000

40000

20000

0

Time-->



#6

Bromomethane

Concen: 5.677 ug/L

RT: 1.54 min Scan# 201

Delta R.T. 0.00 min

Lab File: VV007032.D

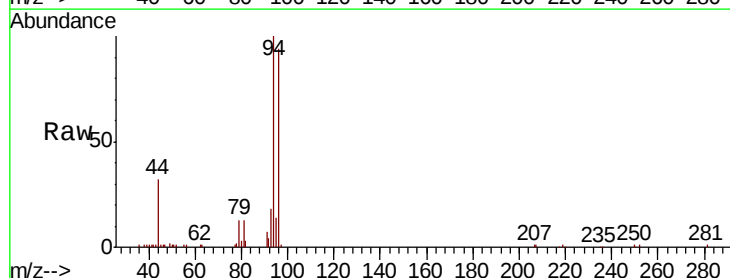
Acq: 16 Aug 2018 00:33

Tgt Ion: 94 Resp: 25225

Ion Ratio Lower Upper

94 100

96 93.6 65.0 120.6



Abundance Ion 94.00 (93.70 to 94.70): VV007015.D (-191) (-)

Ion 96.00 (95.70 to 96.70): VV007015.D (-191) (-)

1.54

25000

20000

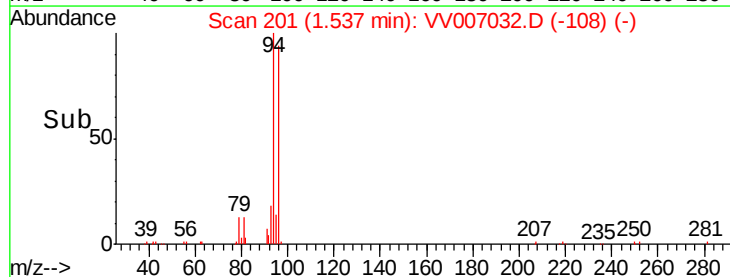
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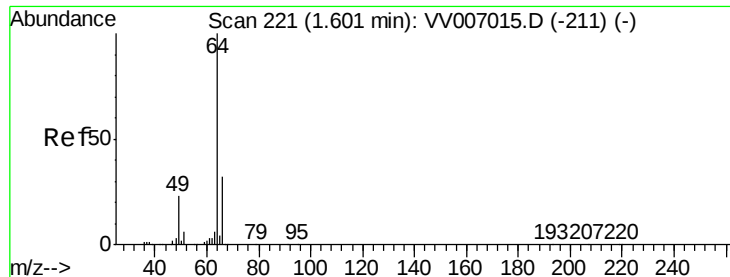
10000

5000

0

Time-->





#8

Chloroethane

Concen: 5.417 ug/L

RT: 1.60 min Scan# 221

Delta R.T. 0.00 min

Lab File: VV007032.D

Acq: 16 Aug 2018 00:33

Instrument :

MSVOA_V

ClientSampleId :

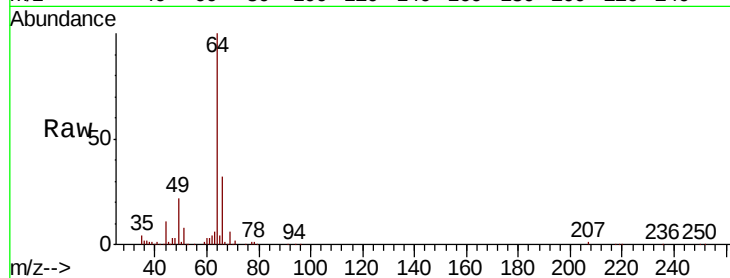
VSTD00588

Tgt Ion: 64 Resp: 67288

Ion Ratio Lower Upper

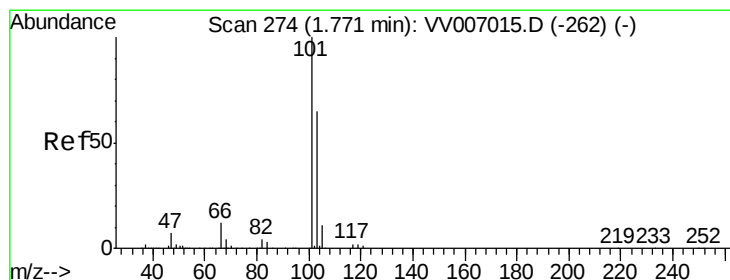
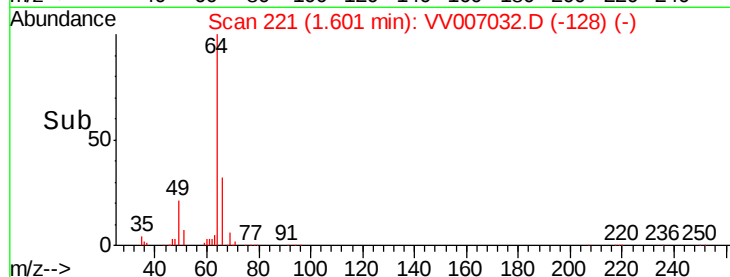
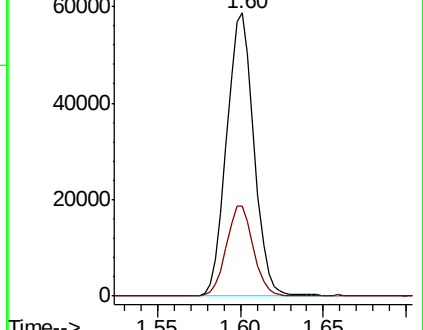
64 100

66 31.9 22.6 42.0



Abundance Ion 64.10 (63.80 to 64.80): VV007015.D (-211) (-)

Ion 66.05 (65.75 to 66.75): VV007015.D (-211) (-)



#9

Trichlorofluoromethane

Concen: 5.454 ug/L

RT: 1.77 min Scan# 274

Delta R.T. 0.00 min

Lab File: VV007032.D

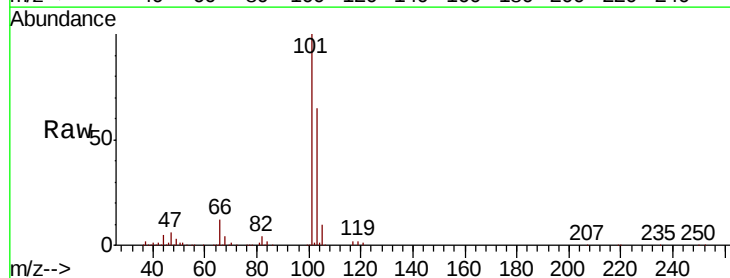
Acq: 16 Aug 2018 00:33

Tgt Ion: 101 Resp: 142092

Ion Ratio Lower Upper

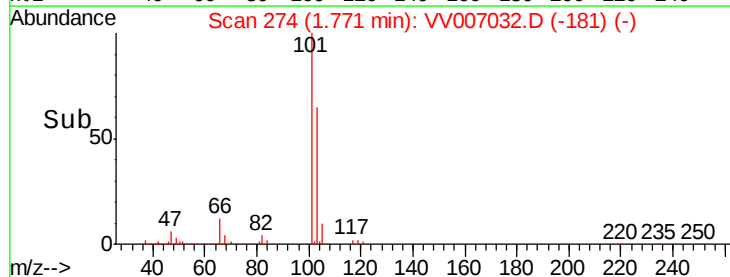
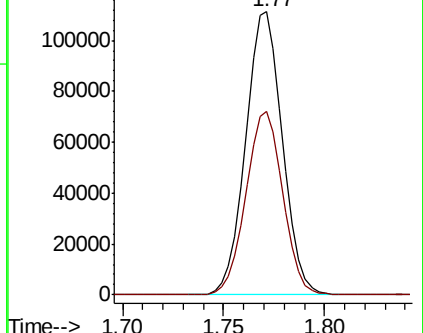
101 100

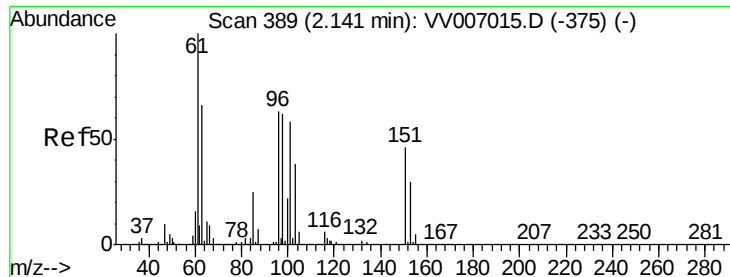
103 65.4 52.7 79.1



Abundance Ion 101.00 (100.70 to 101.70): VV007015.D (-262) (-)

Ion 103.00 (102.70 to 103.70): VV007015.D (-262) (-)





#10

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

Concen: 5.351 ug/L

RT: 2.14 min Scan# 389

Delta R.T. 0.00 min

Lab File: VV007032.D

Acq: 16 Aug 2018 00:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD00588

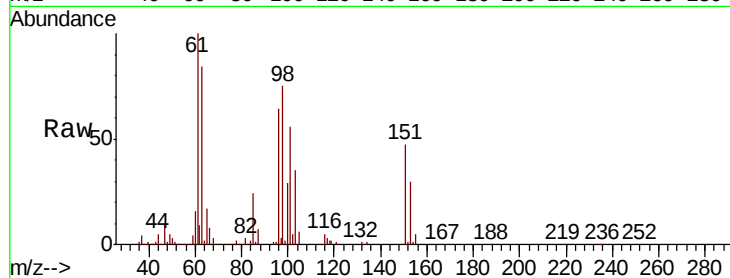
Tgt Ion: 101 Resp: 83648

Ion Ratio Lower Upper

101 100

85 41.3 33.9 50.9

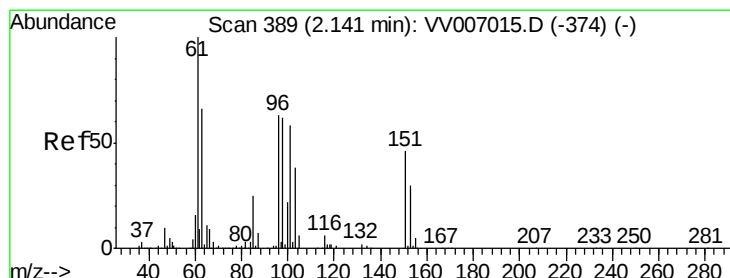
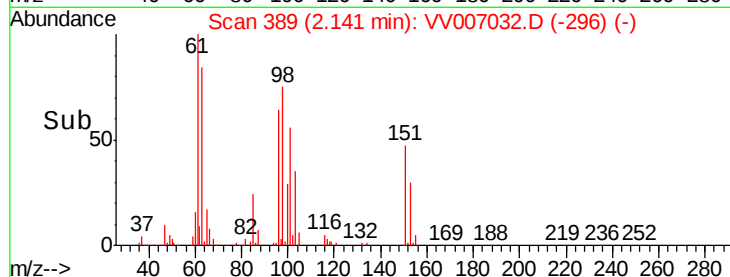
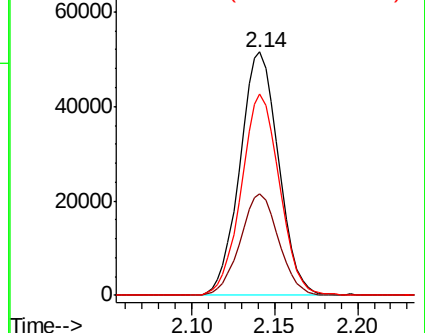
151 82.0 64.1 96.1



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: 5.400 ug/L

RT: 2.14 min Scan# 389

Delta R.T. 0.00 min

Lab File: VV007032.D

Acq: 16 Aug 2018 00:33

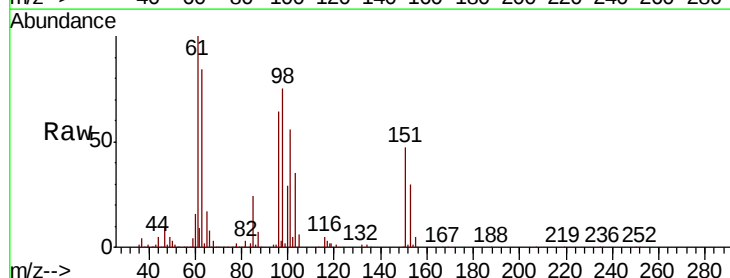
Tgt Ion: 96 Resp: 81959

Ion Ratio Lower Upper

96 100

61 156.9 111.6 207.4

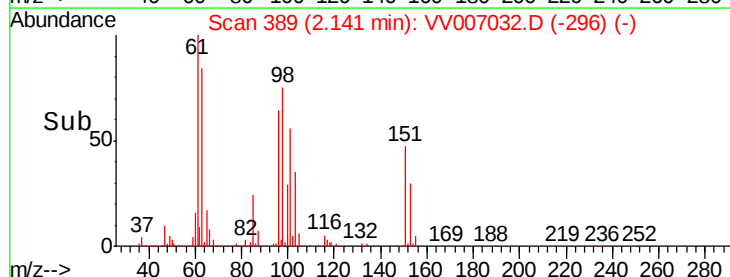
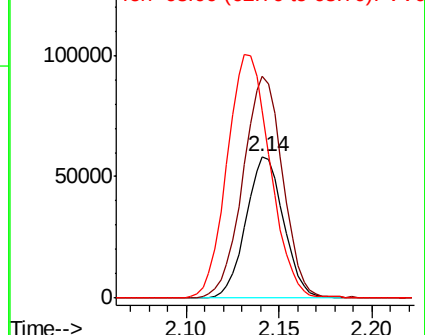
63 132.3 84.9 157.7

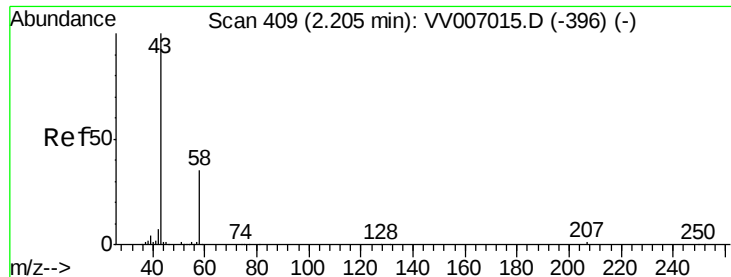


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 62.298 ug/L

RT: 2.21 min Scan# 409

Delta R.T. 0.00 min

Lab File: VV007032.D

Acq: 16 Aug 2018 00:33

Instrument :

MSVOA_V

ClientSampleId :

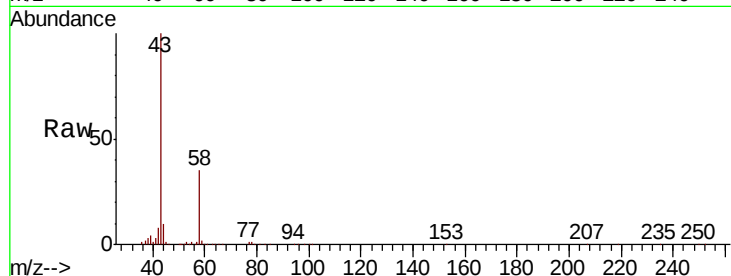
VSTD00588

Tgt Ion: 43 Resp: 125857

Ion Ratio Lower Upper

43 100

58 36.1 0.0 71.4



Abundance Ion 43.05 (42.75 to 43.75): VV007015.D (-396) (-)

Ion 58.05 (57.75 to 58.75): VV007015.D (-396) (-)

60000

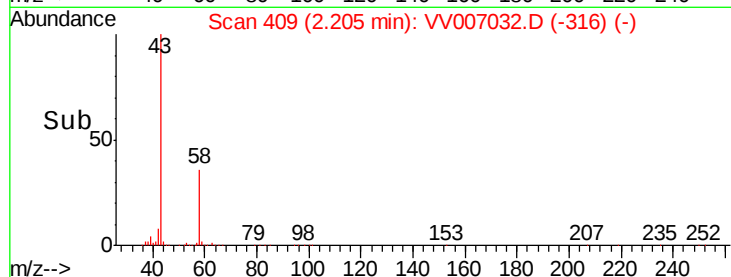
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20000

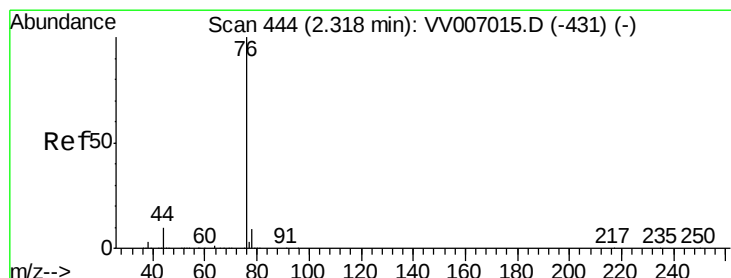
0

2.21

Time-->



Time-->



#14

Carbon disulfide

Concen: 4.979 ug/L

RT: 2.32 min Scan# 444

Delta R.T. 0.00 min

Lab File: VV007032.D

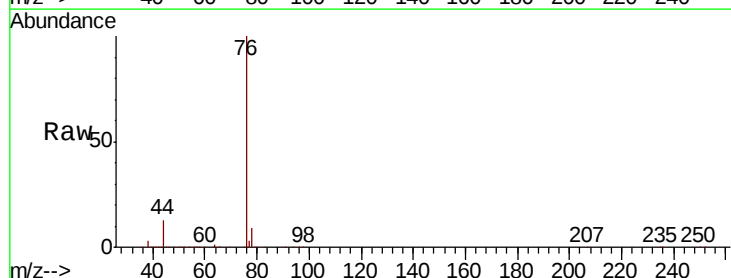
Acq: 16 Aug 2018 00:33

Tgt Ion: 76 Resp: 249450

Ion Ratio Lower Upper

76 100

78 9.4 7.6 11.4



Abundance Ion 76.05 (75.75 to 76.75): VV007015.D (-431) (-)

Ion 78.00 (77.70 to 78.70): VV007015.D (-431) (-)

200000

150000

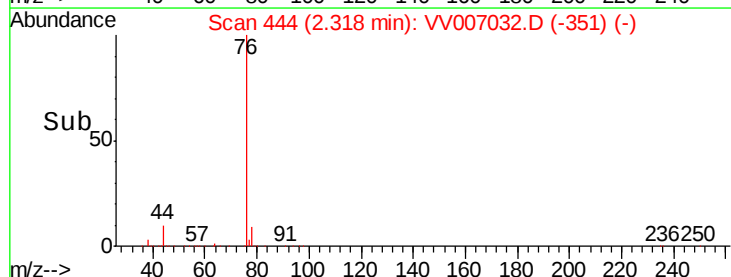
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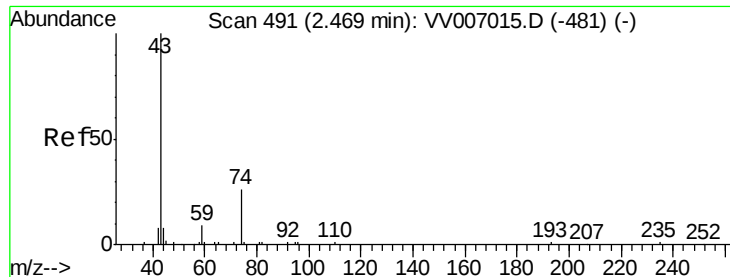
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2.32

Time-->



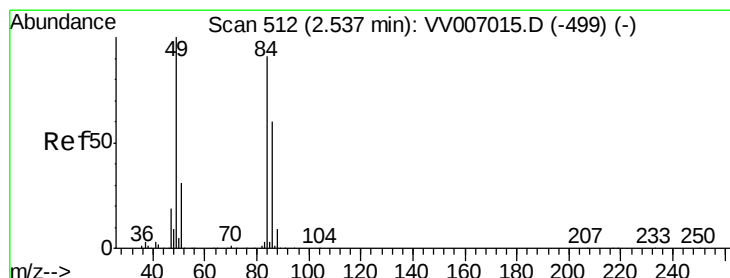
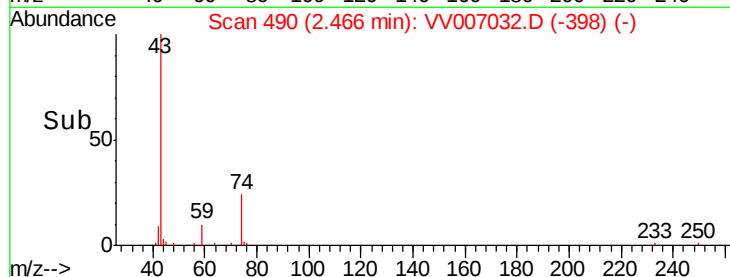
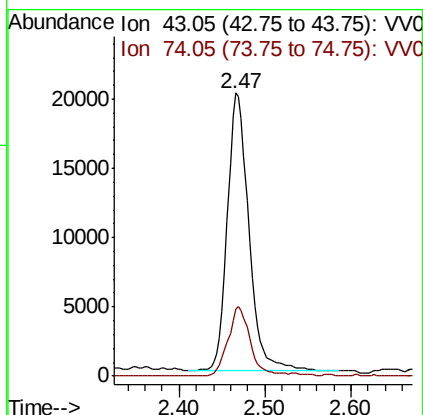
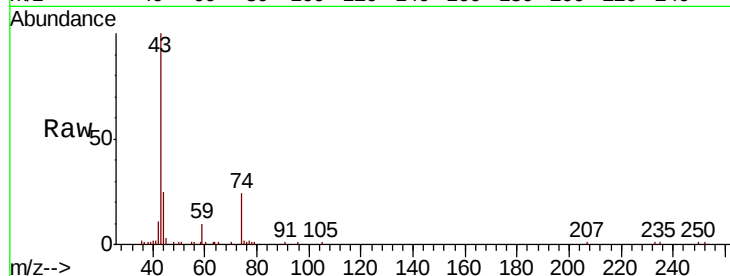
Time-->



#15
Methyl Acetate
Concen: 6.174 ug/L
RT: 2.47 min Scan# 490
Delta R.T. -0.00 min
Lab File: VV007032.D
Acq: 16 Aug 2018 00:33

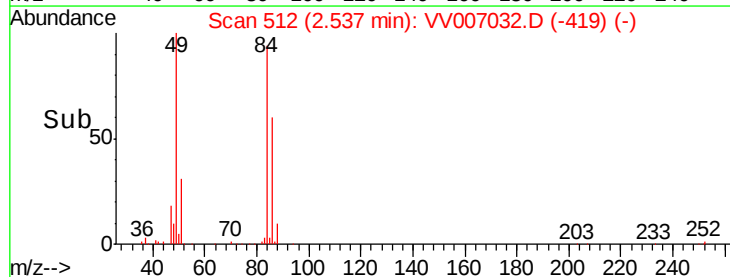
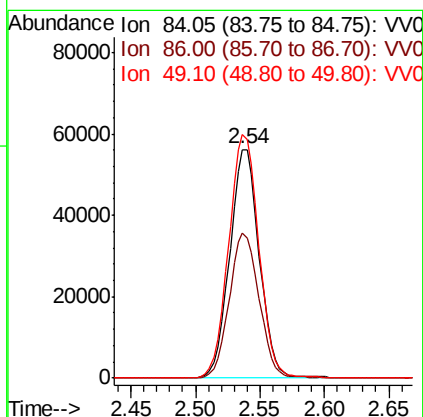
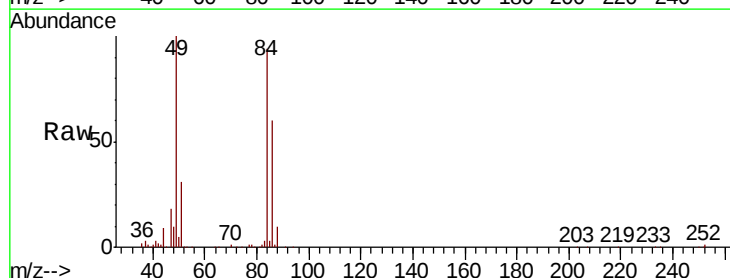
Instrument :
MSVOA_V
ClientSampleId :
VSTD00588

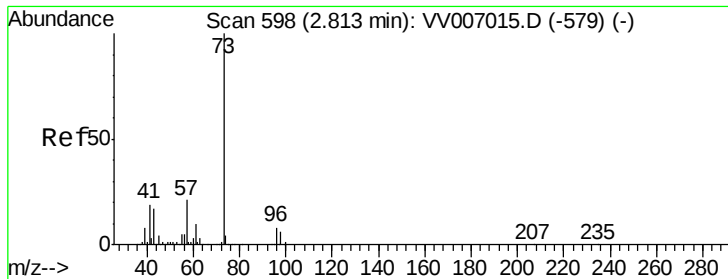
Tgt Ion: 43 Resp: 35106
Ion Ratio Lower Upper
43 100
74 25.8 24.6 37.0



#16
Methylene chloride
Concen: 4.892 ug/L
RT: 2.54 min Scan# 512
Delta R.T. 0.00 min
Lab File: VV007032.D
Acq: 16 Aug 2018 00:33

Tgt Ion: 84 Resp: 89528
Ion Ratio Lower Upper
84 100
86 63.6 45.7 84.9
49 106.6 78.8 146.4





#17

Methyl tert-butyl Ether

Concen: 5.528 ug/L

RT: 2.82 min Scan# 599

Delta R.T. 0.00 min

Lab File: VV007032.D

Acq: 16 Aug 2018 00:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD00588

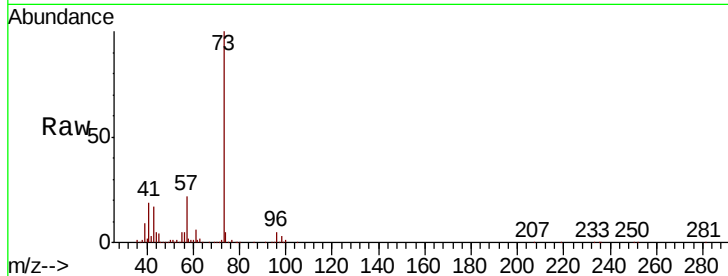
Tgt Ion: 73 Resp: 201154

Ion Ratio Lower Upper

73 100

43 17.5 14.4 21.6

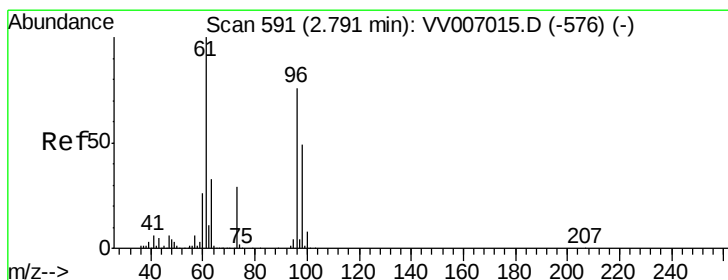
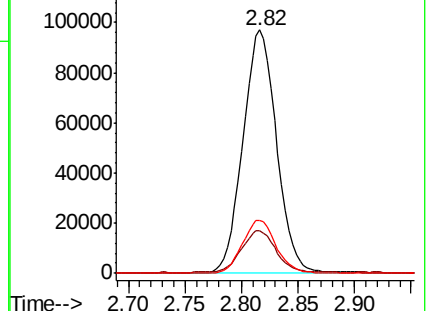
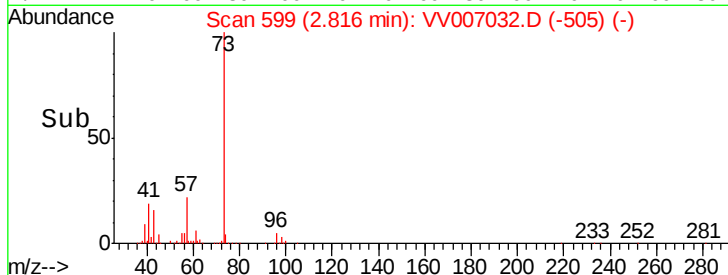
57 22.0 17.9 26.9



Abundance Ion 73.10 (72.80 to 73.80): VV007032.D (-505) (-)

Ion 43.05 (42.75 to 43.75): VV007032.D (-505) (-)

Ion 57.10 (56.80 to 57.80): VV007032.D (-505) (-)



#18

trans-1,2-Dichloroethene

Concen: 5.468 ug/L

RT: 2.79 min Scan# 591

Delta R.T. 0.00 min

Lab File: VV007032.D

Acq: 16 Aug 2018 00:33

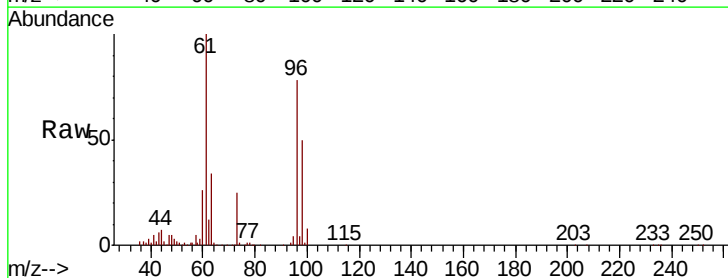
Tgt Ion: 96 Resp: 88864

Ion Ratio Lower Upper

96 100

61 128.7 91.1 169.3

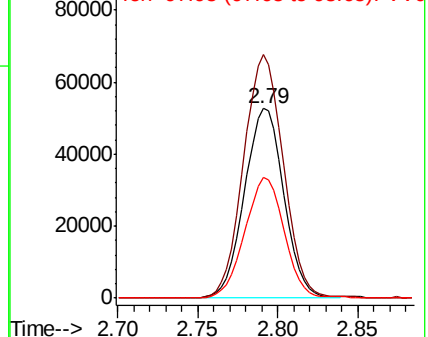
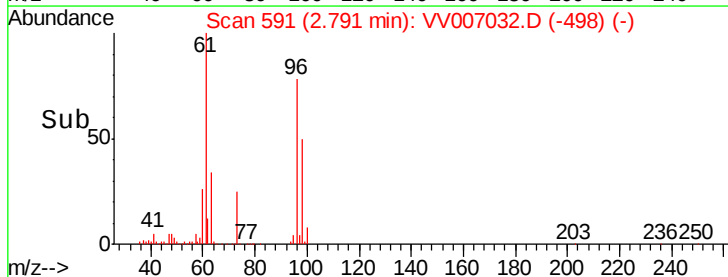
98 63.7 43.5 80.9

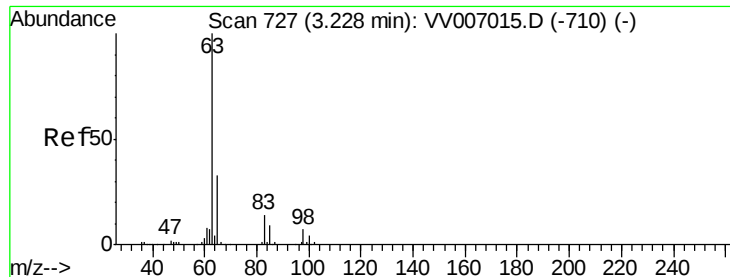


Abundance Ion 96.00 (95.70 to 96.70): VV007032.D (-498) (-)

Ion 61.05 (60.75 to 61.75): VV007032.D (-498) (-)

Ion 97.95 (97.65 to 98.65): VV007032.D (-498) (-)

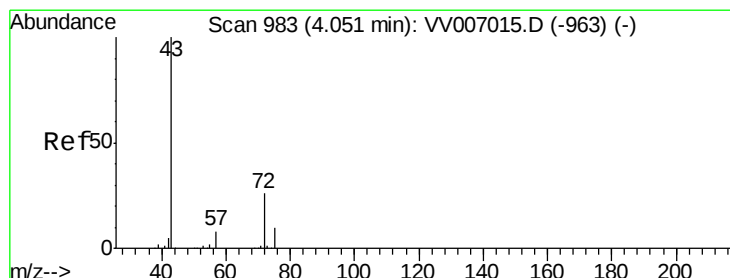
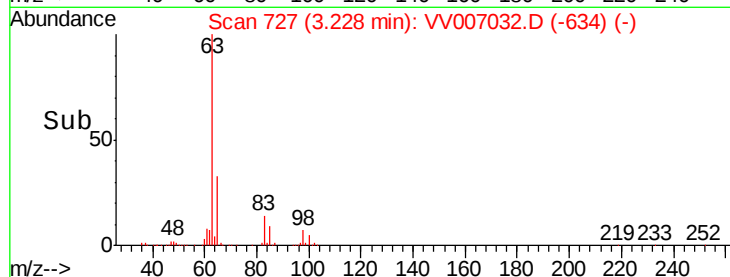
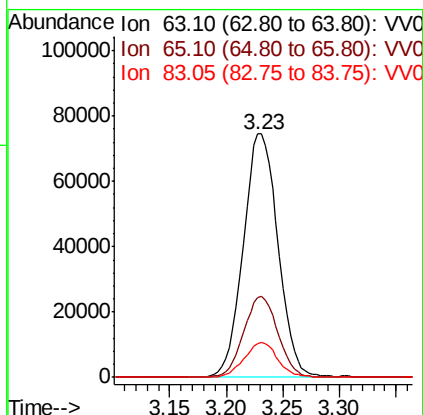
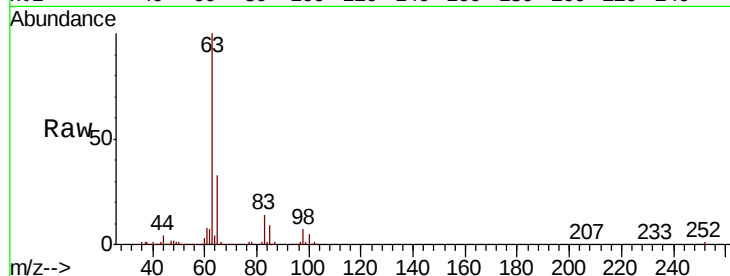




#19
 1,1-Dichloroethane
 Concen: 5.431 ug/L
 RT: 3.23 min Scan# 727
 Delta R.T. 0.00 min
 Lab File: VV007032.D
 Acq: 16 Aug 2018 00:33

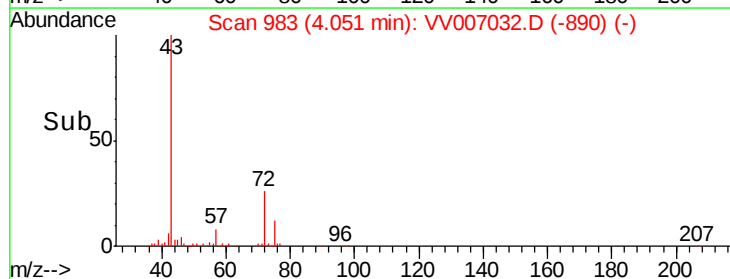
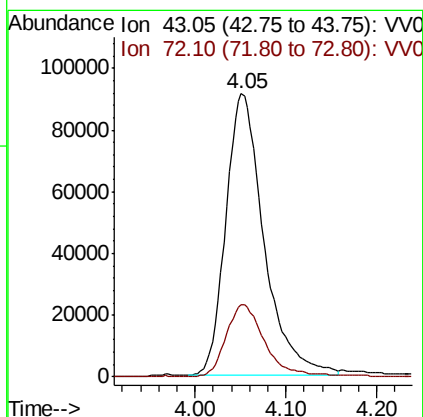
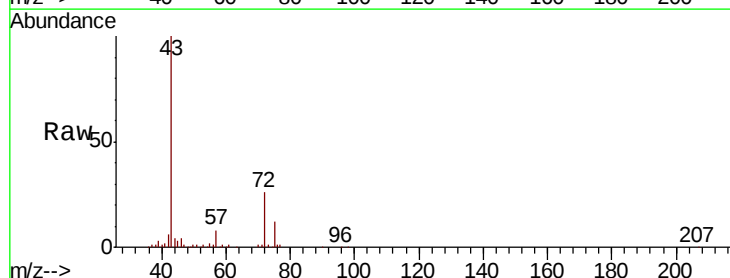
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00588

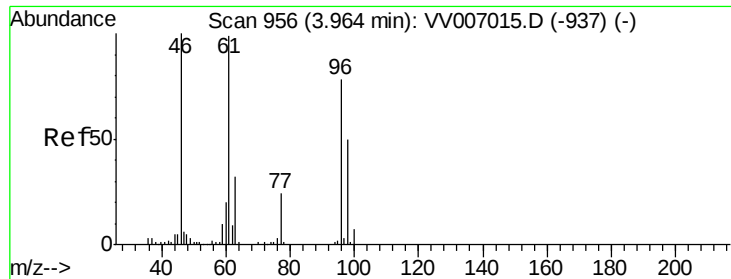
Tgt Ion: 63 Resp: 159347
 Ion Ratio Lower Upper
 63 100
 65 32.8 21.7 40.3
 83 14.0 10.0 18.6



#21
 2-Butanone
 Concen: 60.505 ug/L
 RT: 4.05 min Scan# 983
 Delta R.T. 0.00 min
 Lab File: VV007032.D
 Acq: 16 Aug 2018 00:33

Tgt Ion: 43 Resp: 265396
 Ion Ratio Lower Upper
 43 100
 72 25.7 12.4 37.2



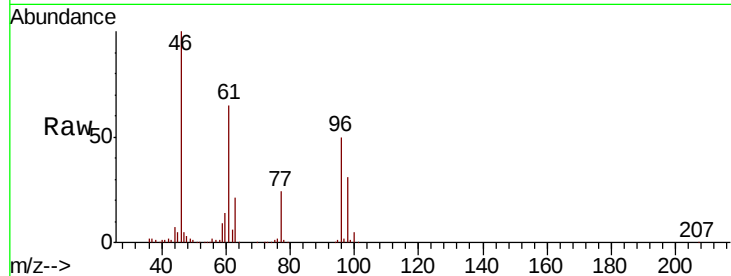


#22

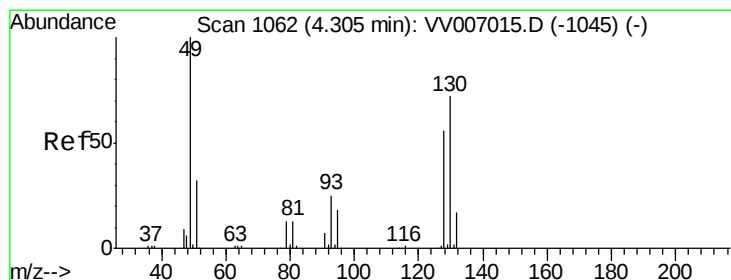
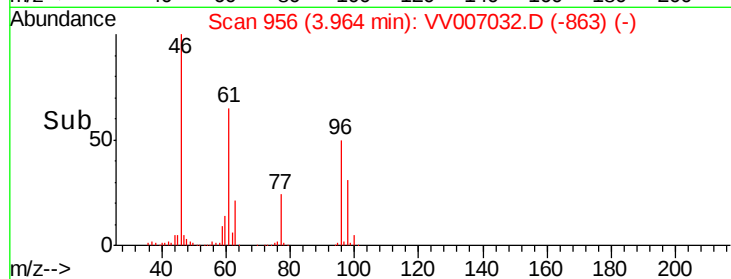
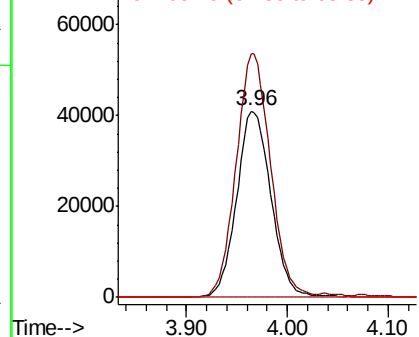
cis-1,2-Dichloroethene
Concen: 5.249 ug/L
RT: 3.96 min Scan# 956
Delta R.T. 0.00 min
Lab File: VV007032.D
Acq: 16 Aug 2018 00:33

Instrument :
MSVOA_V
ClientSampleId :
VSTD00588

Tgt Ion: 96 Resp: 96806
Ion Ratio Lower Upper
96 100
61 130.7 91.1 169.1
68 0.0 0.0 0.0



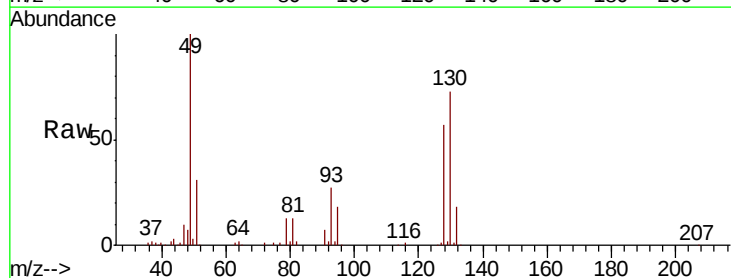
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



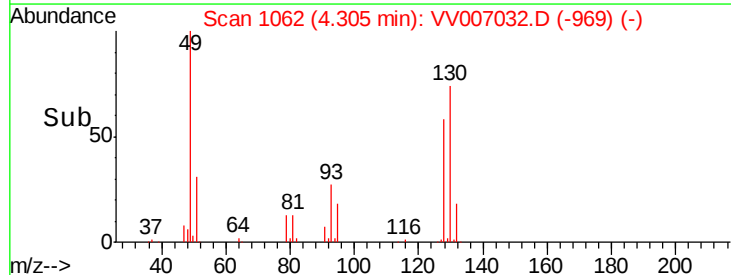
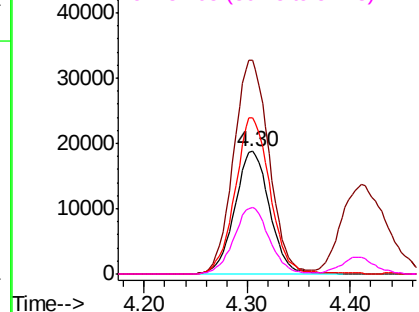
#23

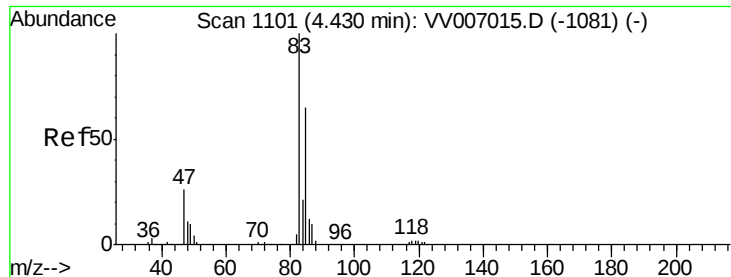
Bromochloromethane
Concen: 5.854 ug/L
RT: 4.30 min Scan# 1062
Delta R.T. 0.00 min
Lab File: VV007032.D
Acq: 16 Aug 2018 00:33

Tgt Ion: 128 Resp: 44000
Ion Ratio Lower Upper
128 100
49 174.2 138.6 257.4
130 127.7 90.0 167.2
51 54.0 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: 5.531 ug/L

RT: 4.43 min Scan# 1101

Delta R.T. 0.00 min

Lab File: VV007032.D

Acq: 16 Aug 2018 00:33

Instrument :

MSVOA_V

ClientSampleId :

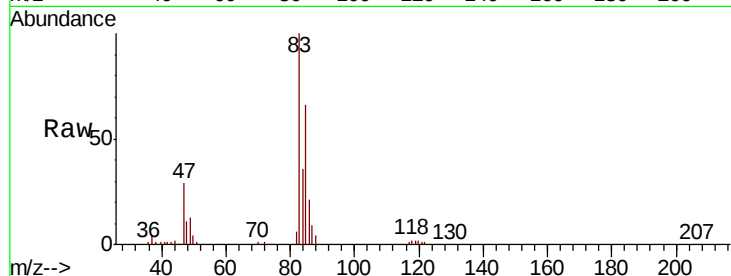
VSTD00588

Tgt Ion: 83 Resp: 177556

Ion Ratio Lower Upper

83 100

85 65.8 44.7 82.9



Abundance Ion 83.05 (82.75 to 83.75): VV007015.D (-1081) (-)

Ion 85.00 (84.70 to 85.70): VV007015.D (-1081) (-)

4.43

80000

60000

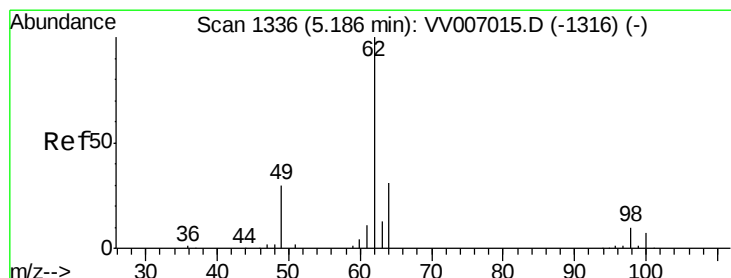
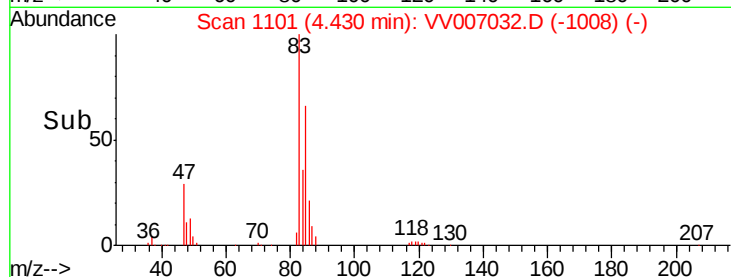
40000

20000

0

4.35 4.40 4.45 4.50

Time-->



#27

1,2-Dichloroethane

Concen: 5.578 ug/L

RT: 5.19 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VV007032.D

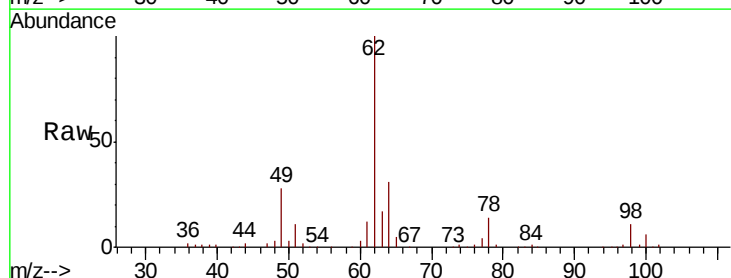
Acq: 16 Aug 2018 00:33

Tgt Ion: 62 Resp: 111659

Ion Ratio Lower Upper

62 100

98 10.9 7.6 11.4



Abundance Ion 62.00 (61.70 to 62.70): VV007015.D (-1316) (-)

Ion 98.05 (97.75 to 98.75): VV007015.D (-1316) (-)

5.19

60000

50000

40000

30000

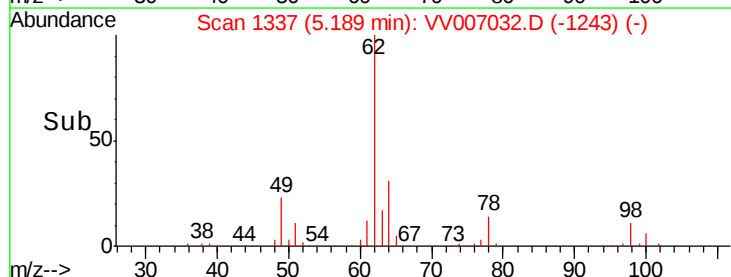
20000

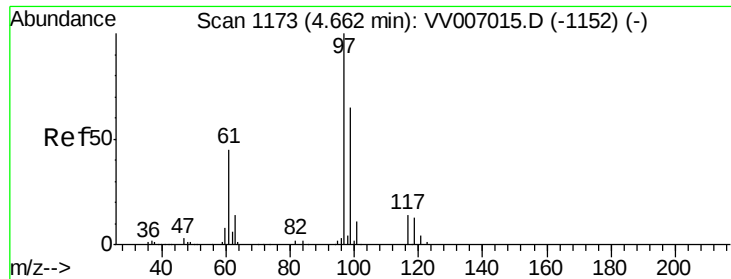
10000

0

5.10 5.20 5.30

Time-->

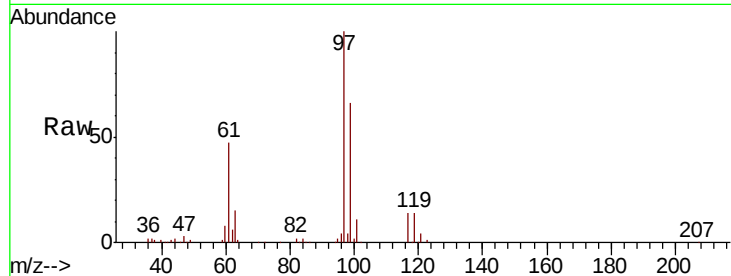




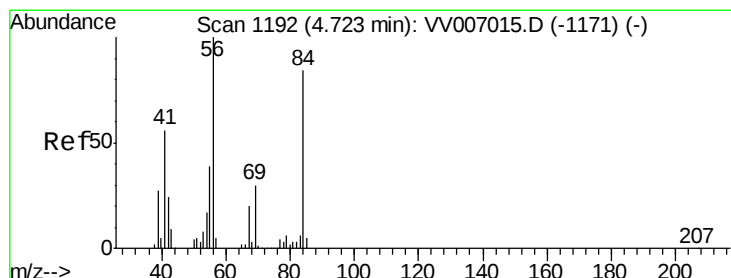
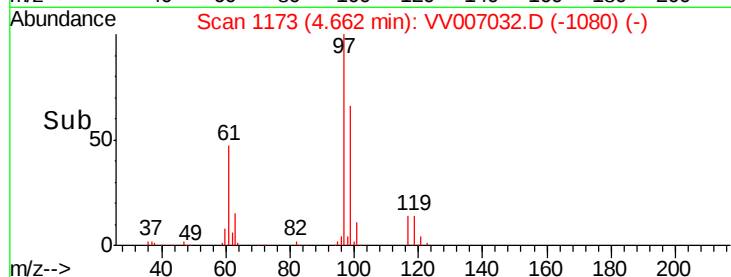
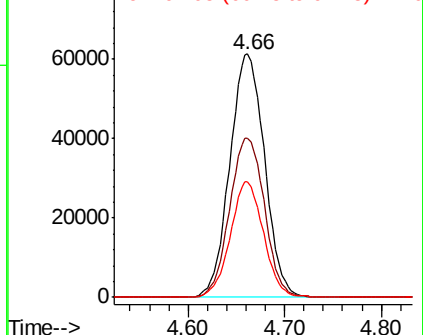
#29
 1,1,1-Trichloroethane
 Concen: 5.565 ug/L
 RT: 4.66 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VV007032.D
 Acq: 16 Aug 2018 00:33

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00588

Tgt Ion: 97 Resp: 153196
 Ion Ratio Lower Upper
 97 100
 99 65.6 51.0 76.6
 61 45.4 36.6 54.8

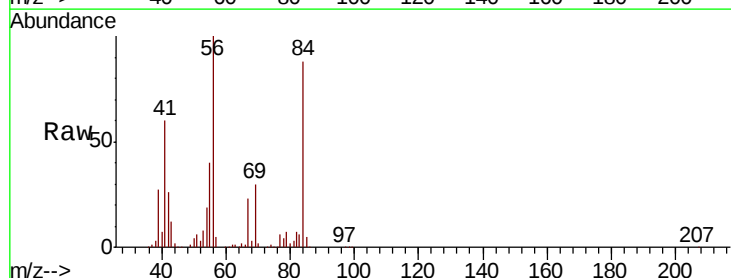


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

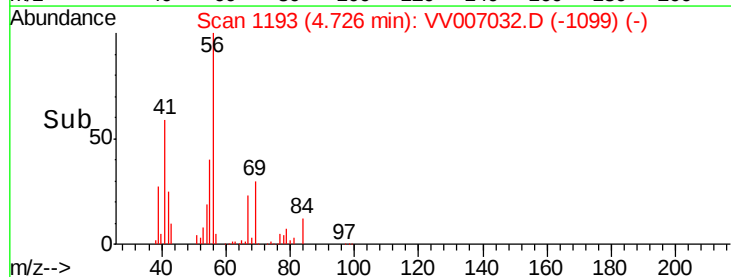
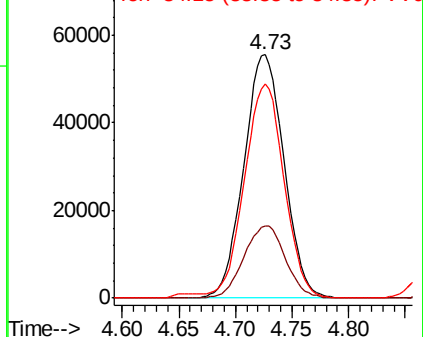


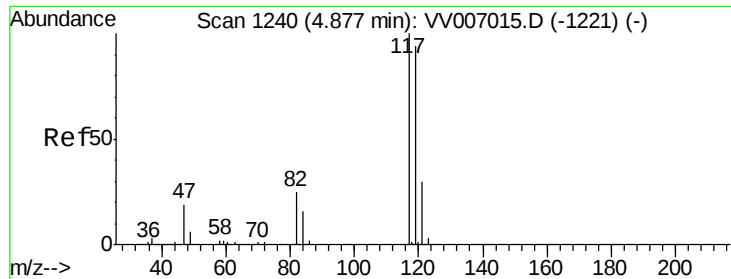
#30
 Cyclohexane
 Concen: 4.798 ug/L
 RT: 4.73 min Scan# 1193
 Delta R.T. 0.00 min
 Lab File: VV007032.D
 Acq: 16 Aug 2018 00:33

Tgt Ion: 56 Resp: 137476
 Ion Ratio Lower Upper
 56 100
 69 30.7 23.8 35.6
 84 86.5 67.9 101.9



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

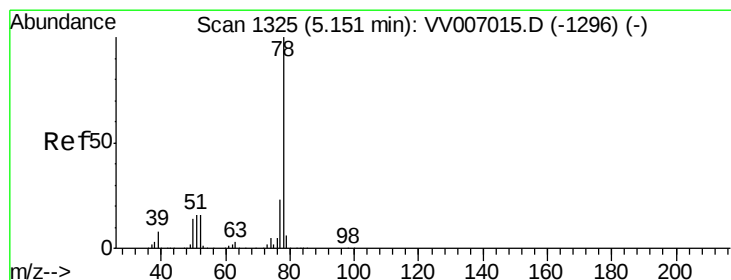
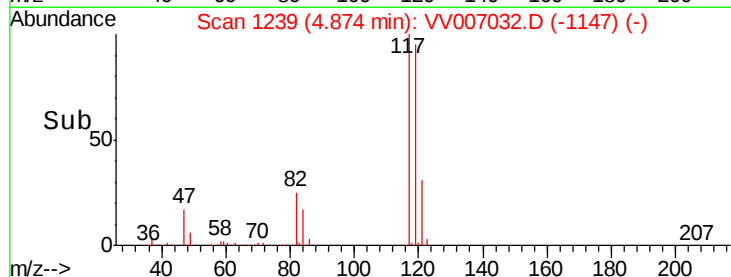
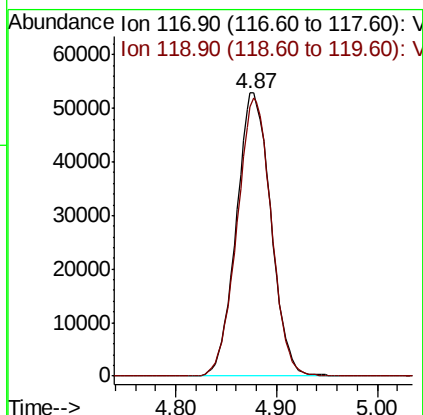
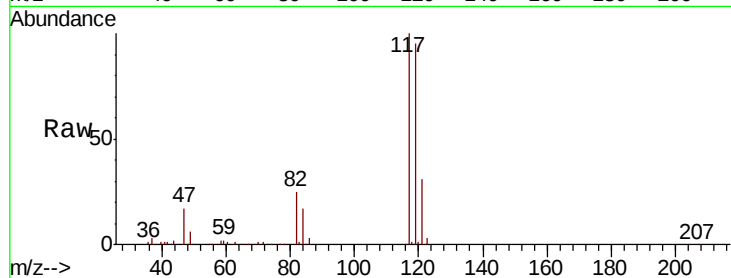




#31
Carbon tetrachloride
Concen: 5.437 ug/L
RT: 4.87 min Scan# 1239
Delta R.T. -0.00 min
Lab File: VV007032.D
Acq: 16 Aug 2018 00:33

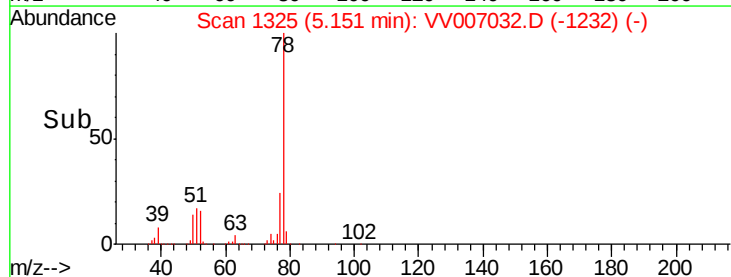
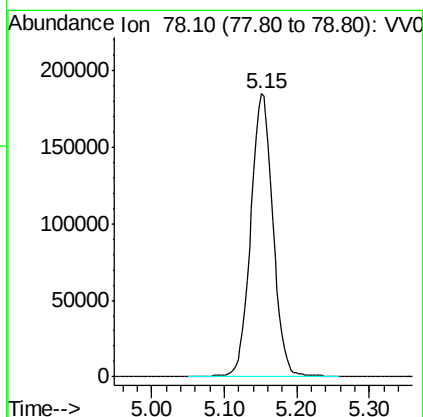
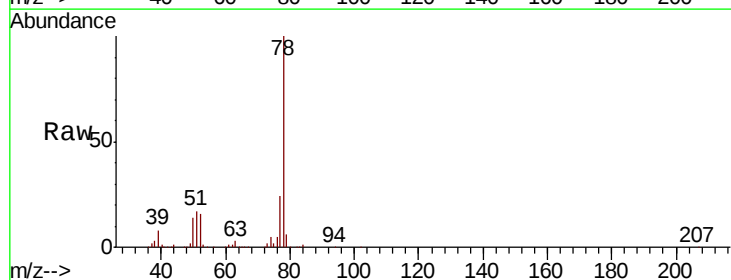
Instrument :
MSVOA_V
ClientSampleId :
VSTD00588

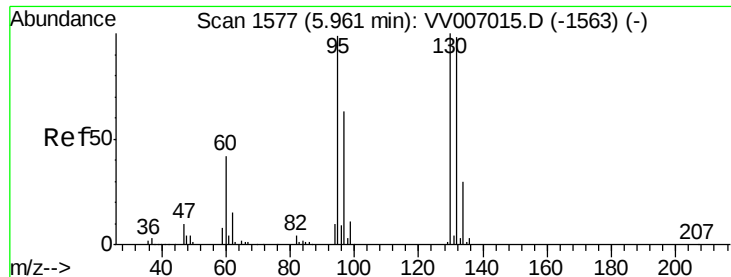
Tgt Ion:117 Resp: 125515
Ion Ratio Lower Upper
117 100
119 97.2 76.2 114.4



#33
Benzene
Concen: 5.514 ug/L
RT: 5.15 min Scan# 1325
Delta R.T. 0.00 min
Lab File: VV007032.D
Acq: 16 Aug 2018 00:33

Tgt Ion: 78 Resp: 394408

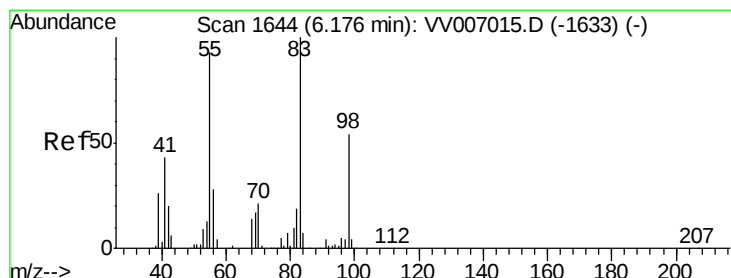
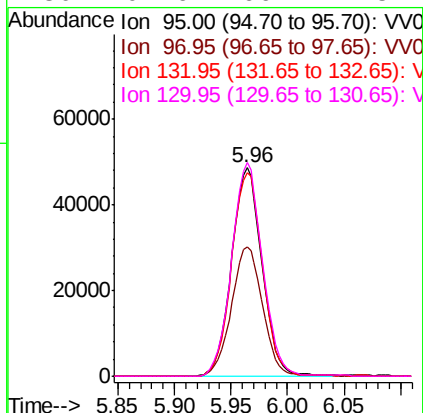
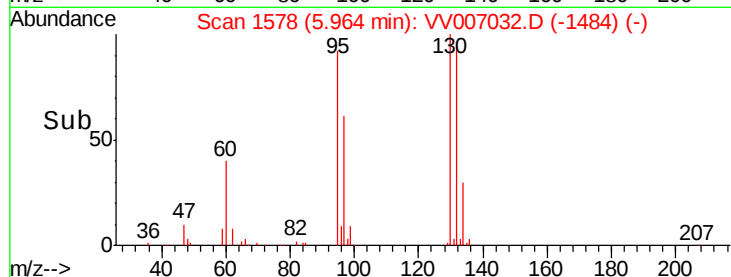
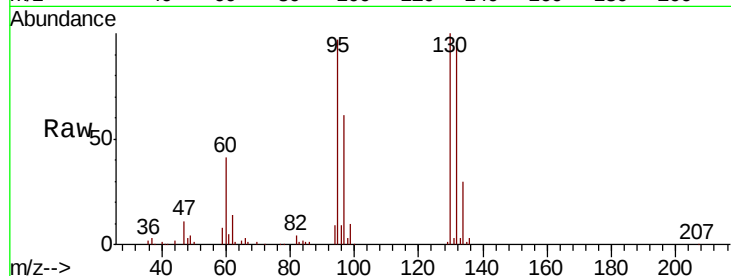




#34
 Trichloroethene
 Concen: 5.333 ug/L
 RT: 5.96 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VV007032.D
 Acq: 16 Aug 2018 00:33

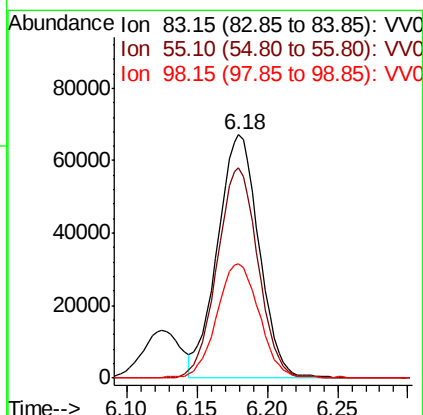
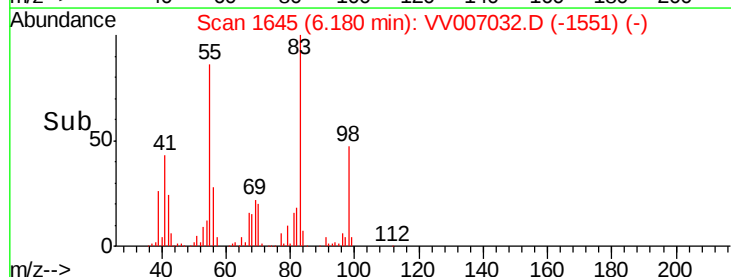
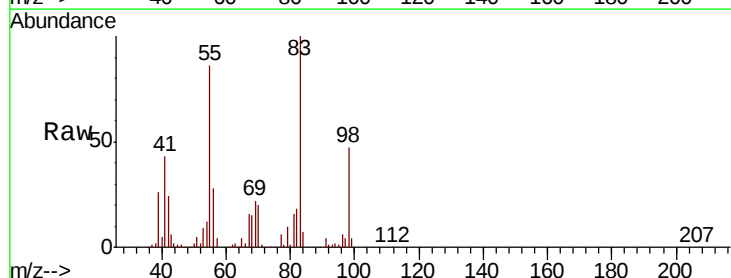
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00588

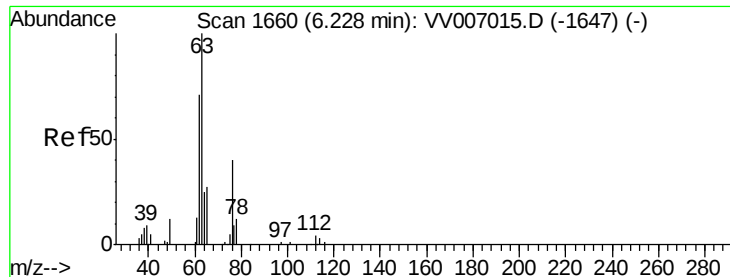
Tgt Ion:	95	Resp:	91459
Ion	Ratio	Lower	Upper
95	100		
97	62.3	44.8	83.2
132	98.0	65.5	121.6
130	102.6	66.4	123.4



#35
 Methylcyclohexane
 Concen: 4.980 ug/L
 RT: 6.18 min Scan# 1645
 Delta R.T. 0.00 min
 Lab File: VV007032.D
 Acq: 16 Aug 2018 00:33

Tgt Ion:	83	Resp:	137102
Ion	Ratio	Lower	Upper
83	100		
55	85.7	68.1	102.1
98	48.5	37.9	56.9

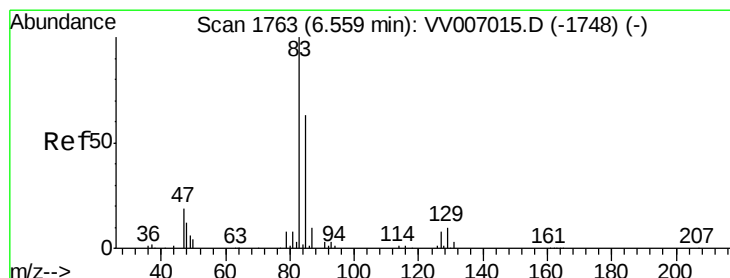
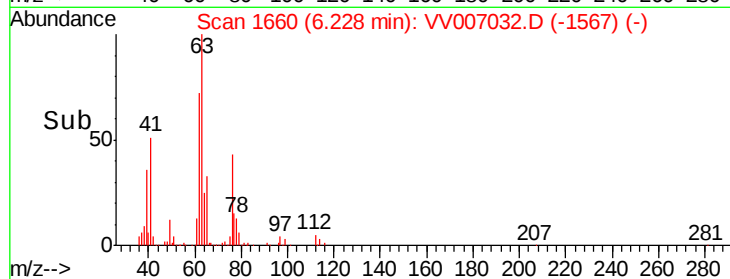
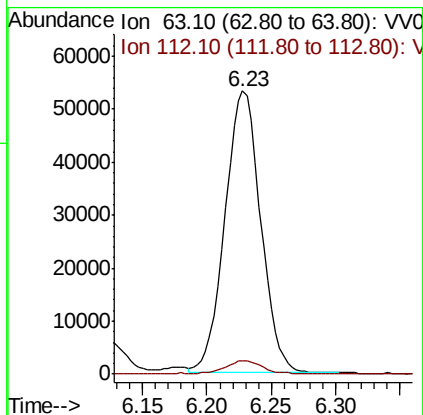
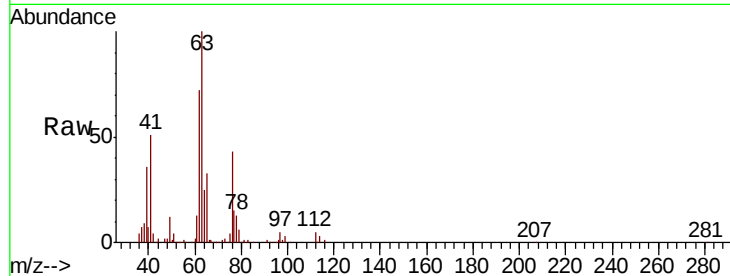




#37
 1,2-Dichloropropane
 Concen: 5.251 ug/L
 RT: 6.23 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VV007032.D
 Acq: 16 Aug 2018 00:33

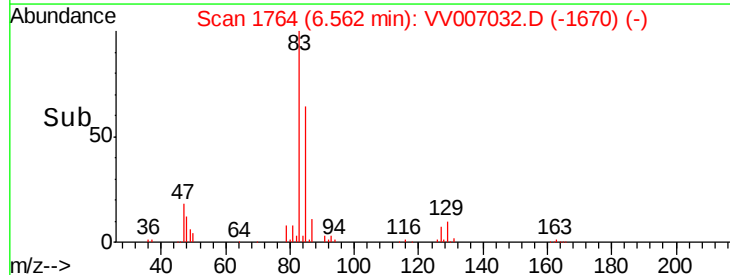
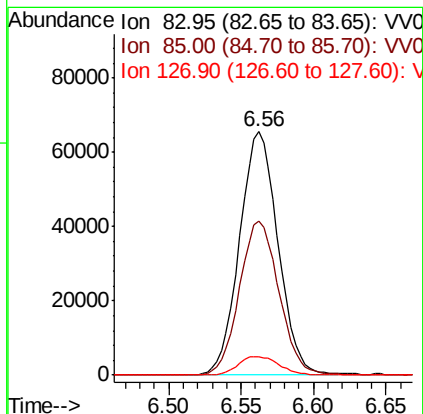
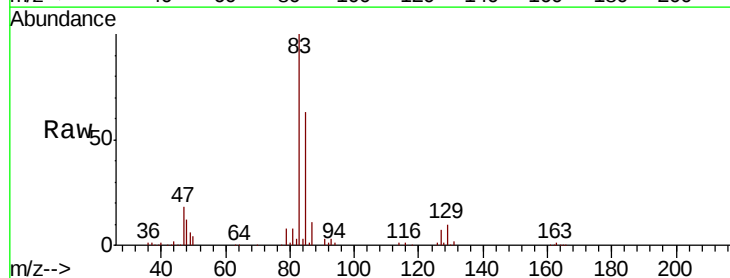
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00588

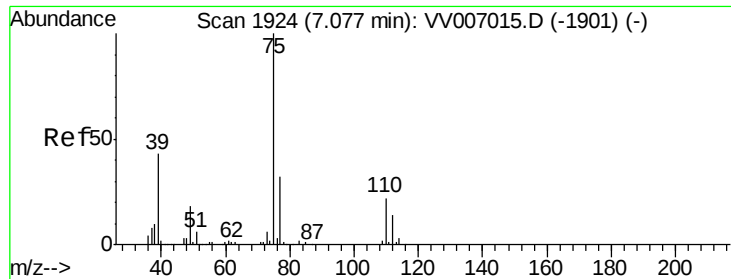
Tgt Ion: 63 Resp: 102811
 Ion Ratio Lower Upper
 63 100
 112 5.0 3.5 5.3



#38
 Bromodichloromethane
 Concen: 5.442 ug/L
 RT: 6.56 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VV007032.D
 Acq: 16 Aug 2018 00:33

Tgt Ion: 83 Resp: 121064
 Ion Ratio Lower Upper
 83 100
 85 63.4 43.8 81.4
 127 7.5 6.6 10.0

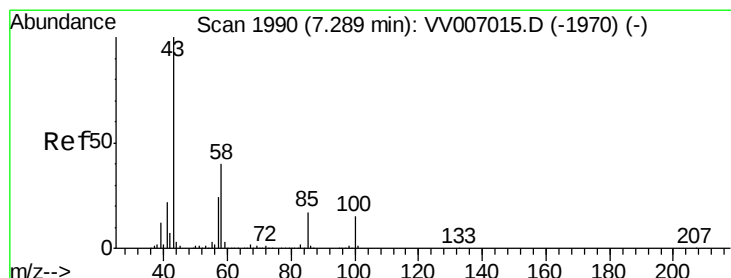
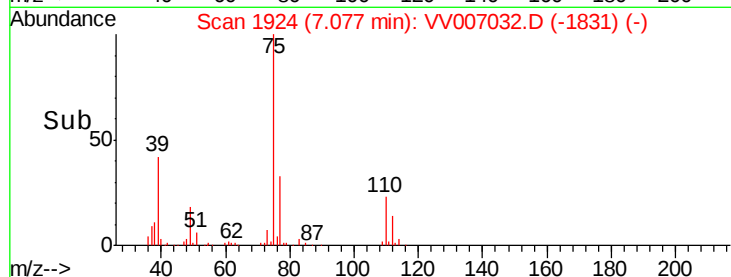
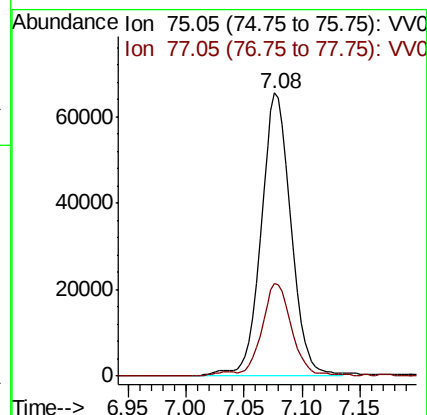
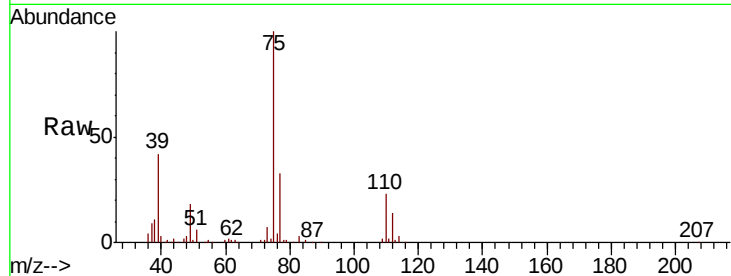




#39
 cis-1,3-Dichloropropene
 Concen: 4.987 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV007032.D
 Acq: 16 Aug 2018 00:33

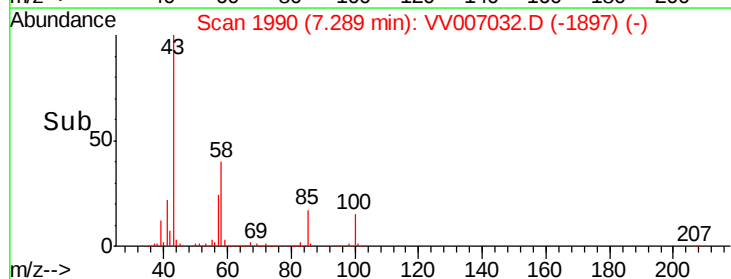
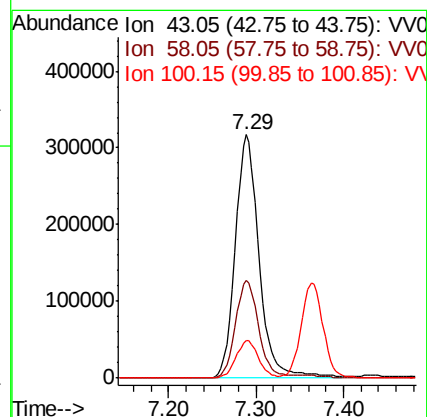
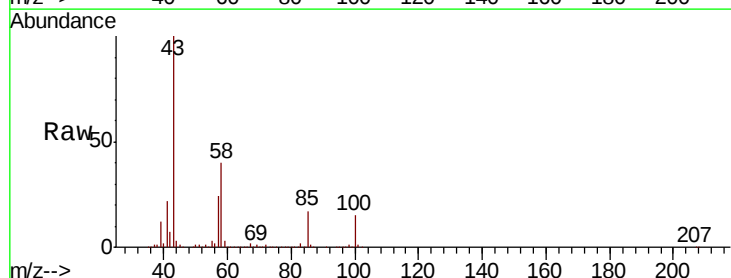
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00588

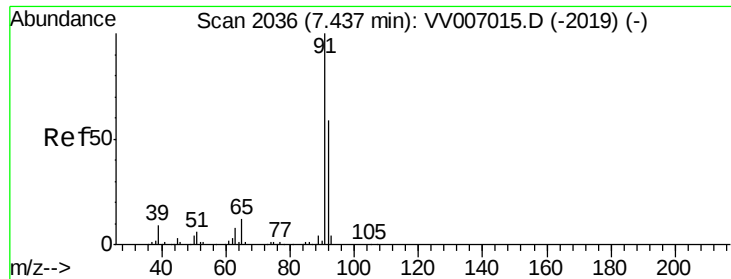
Tgt Ion: 75 Resp: 117955
 Ion Ratio Lower Upper
 75 100
 77 32.5 22.0 40.8



#40
 4-Methyl-2-pentanone
 Concen: 56.834 ug/L
 RT: 7.29 min Scan# 1990
 Delta R.T. 0.00 min
 Lab File: VV007032.D
 Acq: 16 Aug 2018 00:33

Tgt Ion: 43 Resp: 601046
 Ion Ratio Lower Upper
 43 100
 58 39.1 30.7 46.1
 100 14.5 11.2 16.8





#42

Toluene

Concen: 5.723 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV007032.D

Acq: 16 Aug 2018 00:33

Instrument :

MSVOA_V

ClientSampleId :

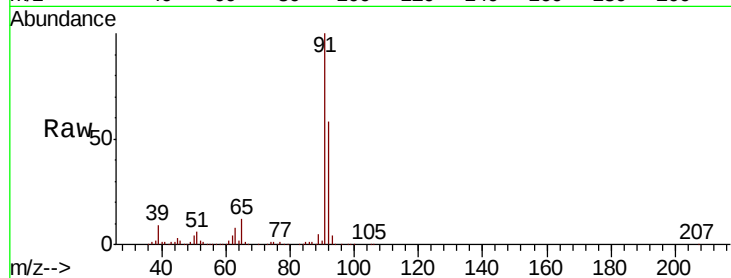
VSTD00588

Tgt Ion: 91 Resp: 393364

Ion Ratio Lower Upper

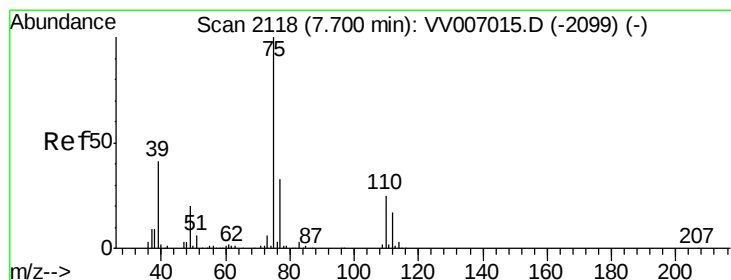
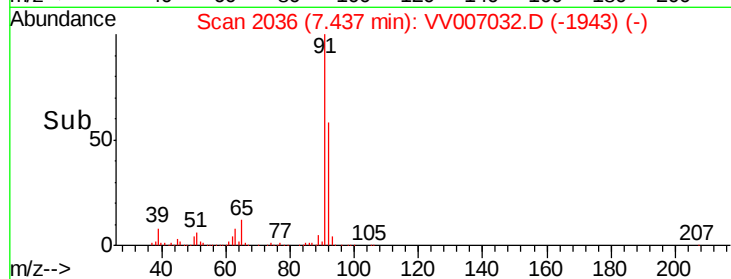
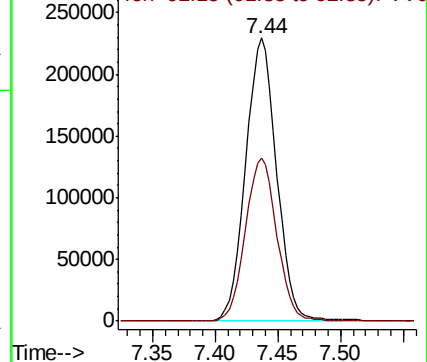
91 100

92 57.7 40.2 74.6



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: 5.375 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV007032.D

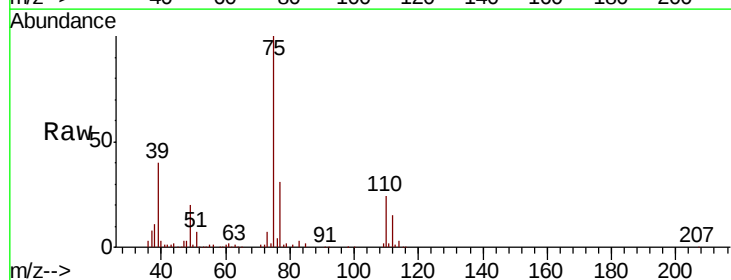
Acq: 16 Aug 2018 00:33

Tgt Ion: 75 Resp: 104344

Ion Ratio Lower Upper

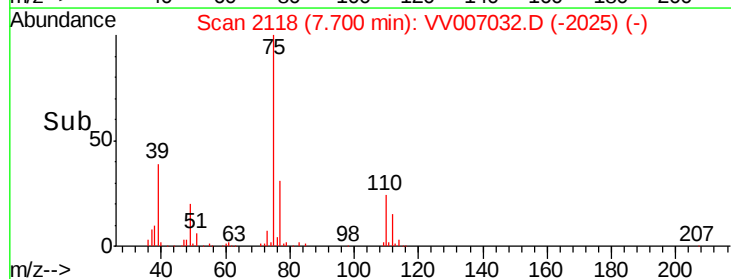
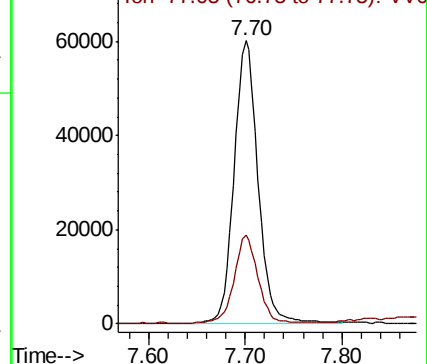
75 100

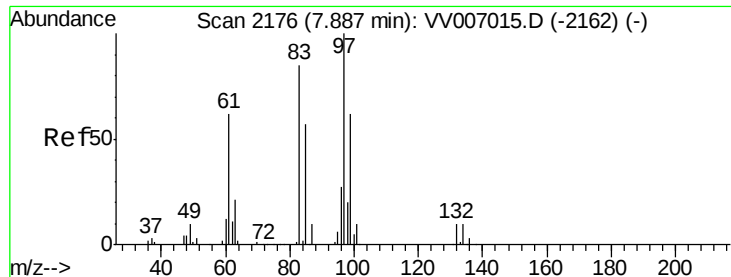
77 31.4 22.3 41.3



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

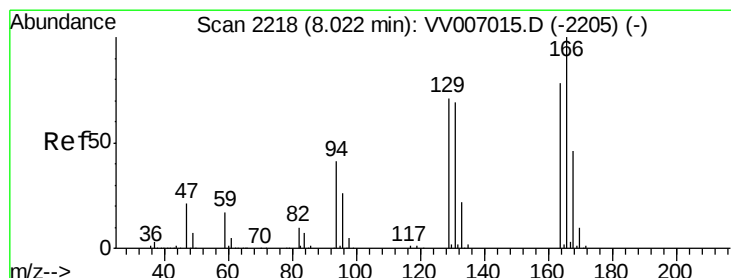
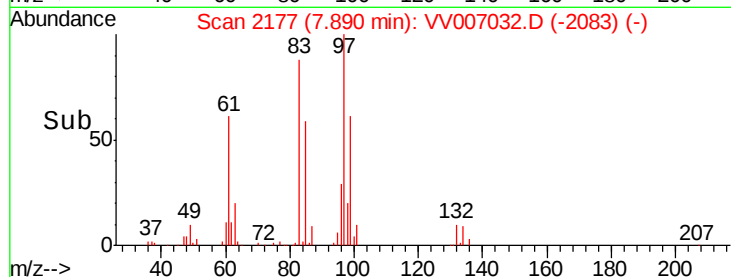
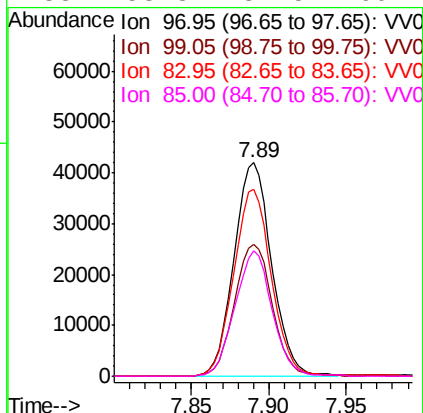
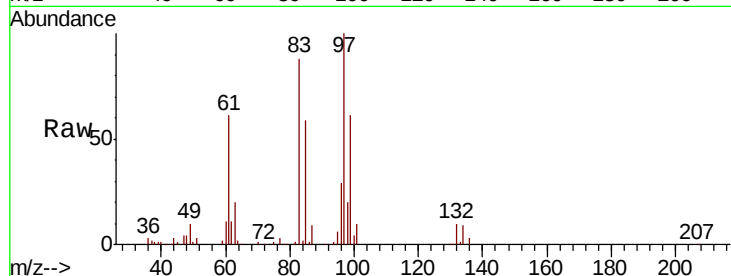




#45
 1,1,2-Trichloroethane
 Concen: 5.587 ug/L
 RT: 7.89 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VV007032.D
 Acq: 16 Aug 2018 00:33

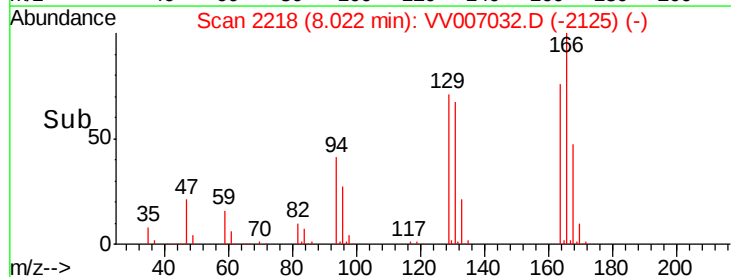
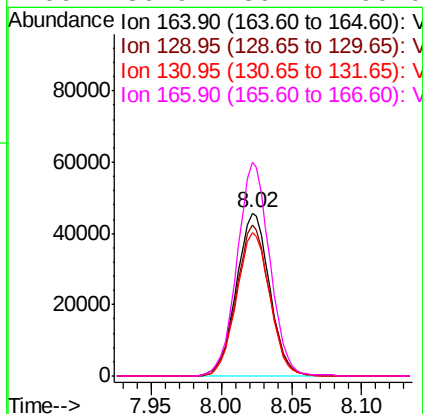
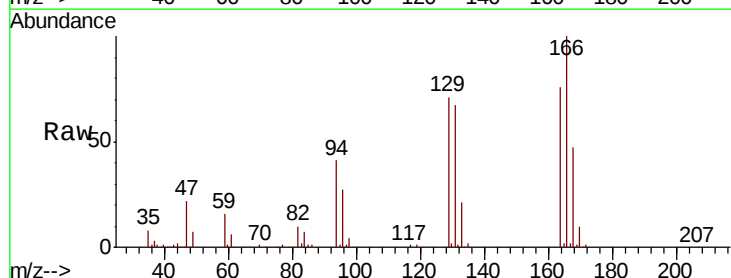
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00588

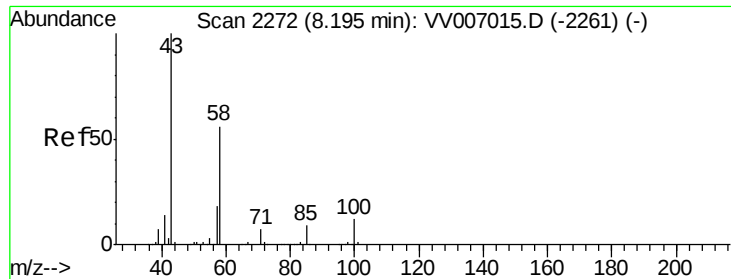
Tgt Ion:	97	Resp:	71160
Ion	Ratio	Lower	Upper
97	100		
99	61.4	40.6	75.4
83	87.5	58.0	107.8
85	58.8	37.5	69.7



#47
 Tetrachloroethene
 Concen: 5.432 ug/L
 RT: 8.02 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VV007032.D
 Acq: 16 Aug 2018 00:33

Tgt Ion:	164	Resp:	75539
Ion	Ratio	Lower	Upper
164	100		
129	92.9	65.9	122.3
131	87.7	64.2	119.2
166	130.9	89.4	166.0

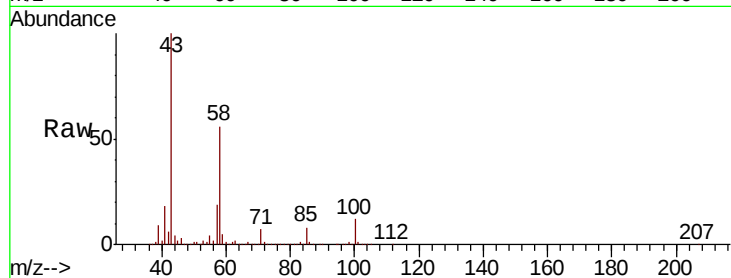




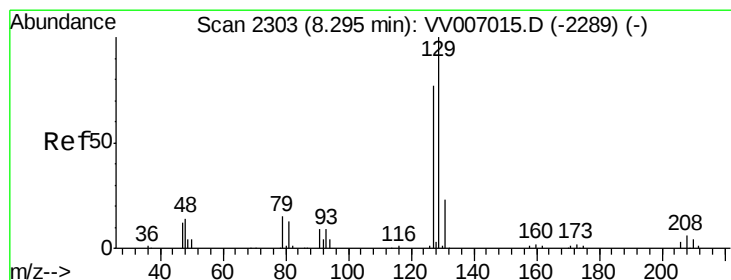
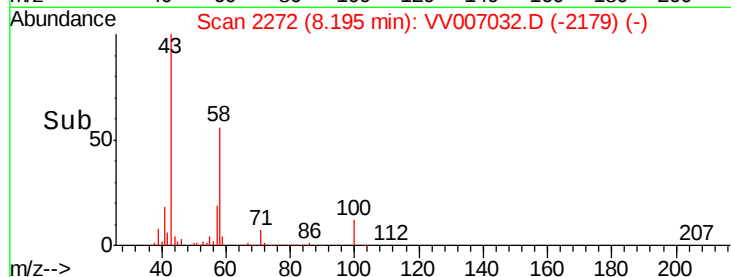
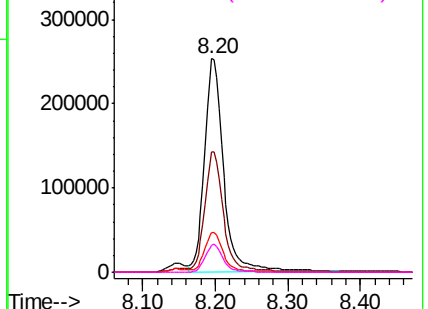
#48
2-Hexanone
Concen: 62.303 ug/L
RT: 8.20 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV007032.D
Acq: 16 Aug 2018 00:33

Instrument :
MSVOA_V
ClientSampleId :
VSTD00588

Tgt Ion: 43 Resp: 464705
Ion Ratio Lower Upper
43 100
58 55.4 44.2 66.2
57 18.6 14.8 22.2
100 11.9 8.8 13.2

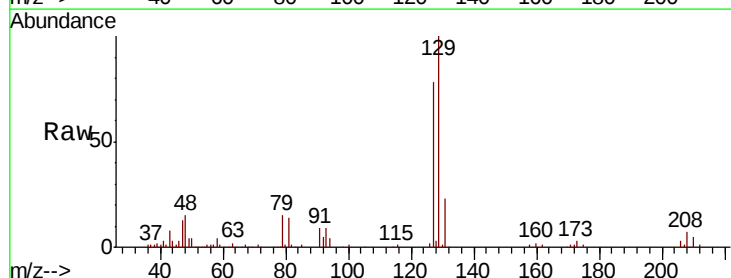


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

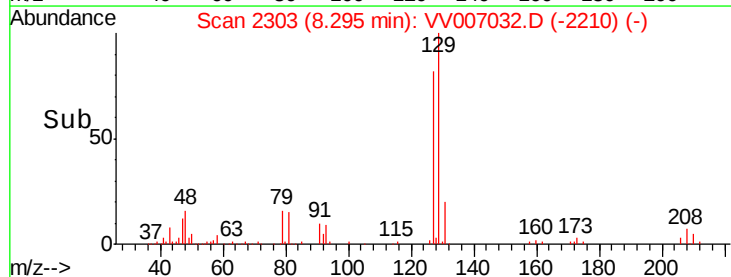
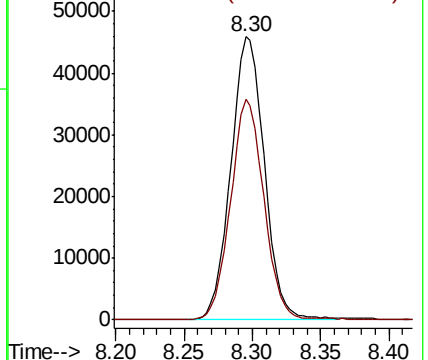


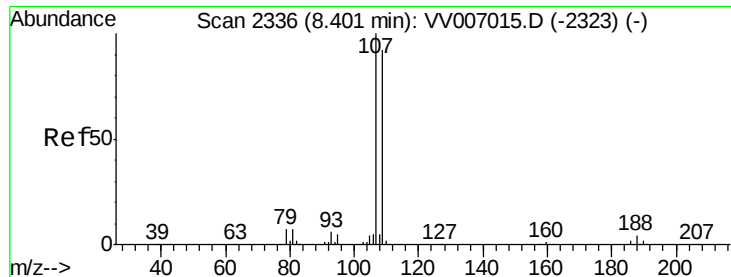
#49
Dibromochloromethane
Concen: 5.869 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VV007032.D
Acq: 16 Aug 2018 00:33

Tgt Ion: 129 Resp: 78411
Ion Ratio Lower Upper
129 100
127 78.1 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: 5.736 ug/L

RT: 8.40 min Scan# 2337

Delta R.T. 0.00 min

Lab File: VV007032.D

Acq: 16 Aug 2018 00:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD00588

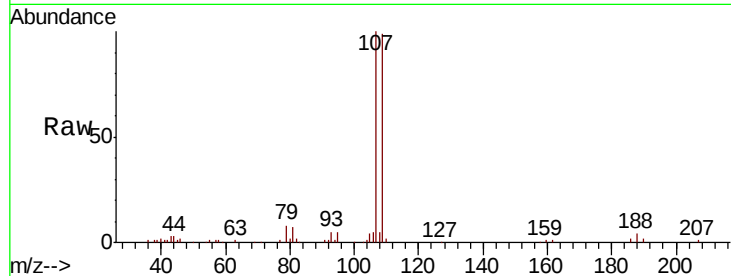
Tgt Ion:107 Resp: 61711

Ion Ratio Lower Upper

107 100

109 99.4 64.1 119.1

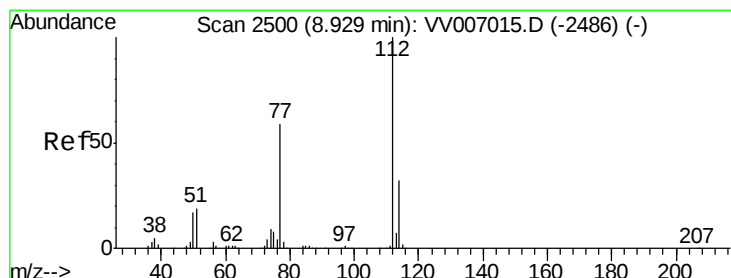
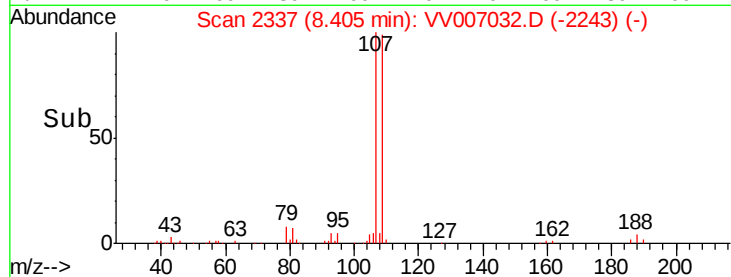
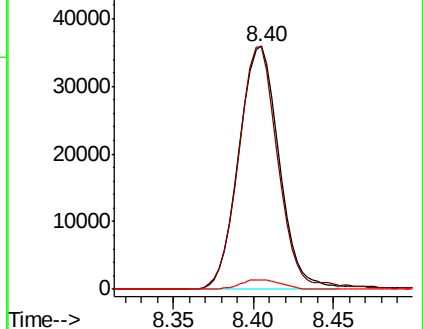
188 3.9 4.0 6.0#



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: 5.403 ug/L

RT: 8.93 min Scan# 2501

Delta R.T. 0.00 min

Lab File: VV007032.D

Acq: 16 Aug 2018 00:33

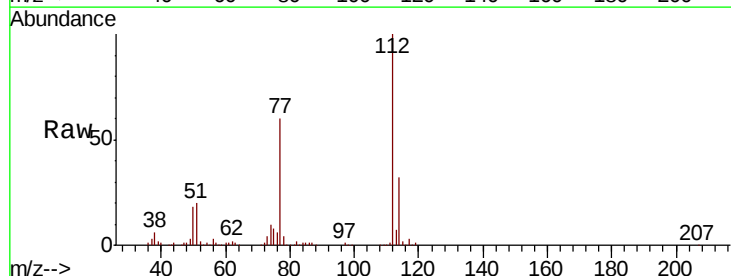
Tgt Ion:112 Resp: 236696

Ion Ratio Lower Upper

112 100

114 32.5 21.8 40.6

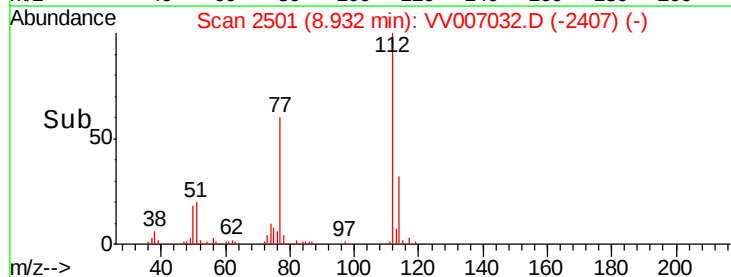
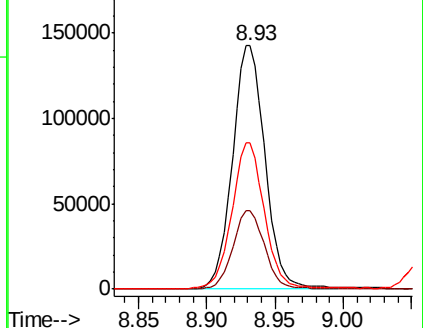
77 60.0 48.0 72.0

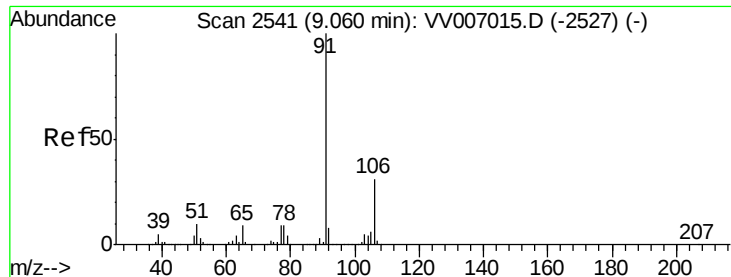


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 5.306 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV007032.D

Acq: 16 Aug 2018 00:33

Instrument :

MSVOA_V

ClientSampleId :

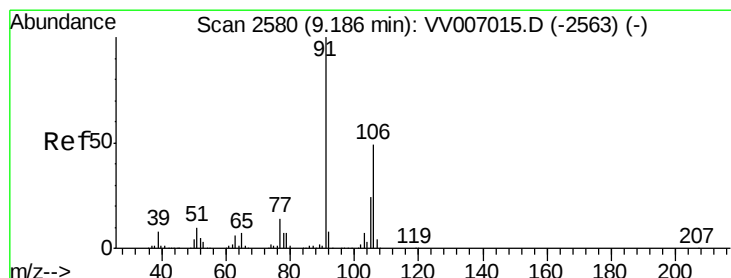
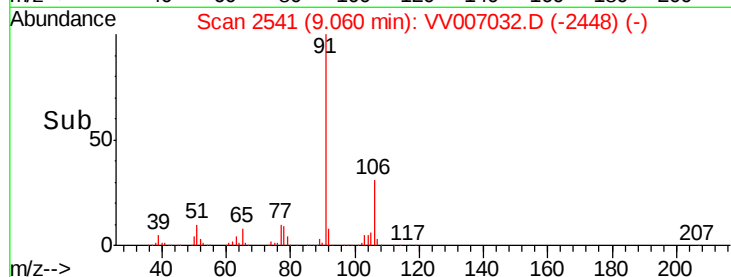
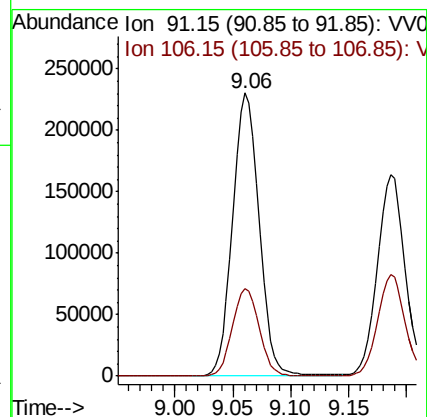
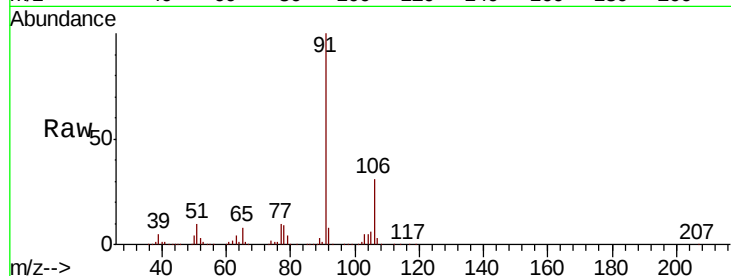
VSTD00588

Tgt Ion: 91 Resp: 364173

Ion Ratio Lower Upper

91 100

106 30.9 21.3 39.5



#53

m,p-xylene

Concen: 5.366 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV007032.D

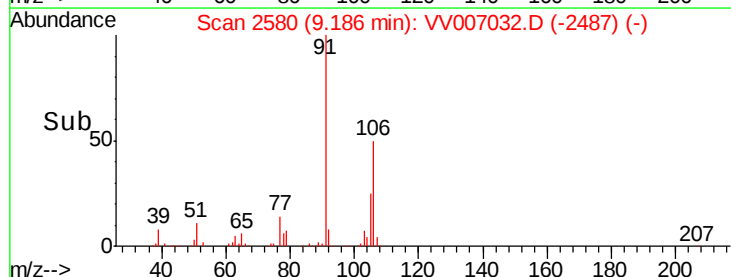
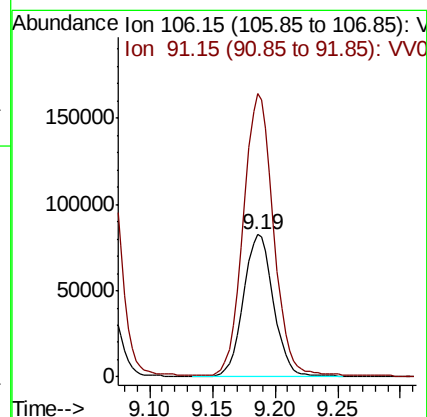
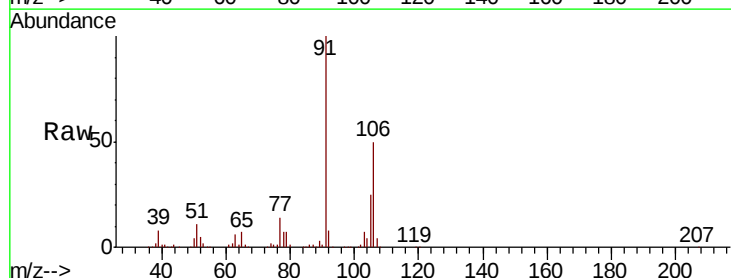
Acq: 16 Aug 2018 00:33

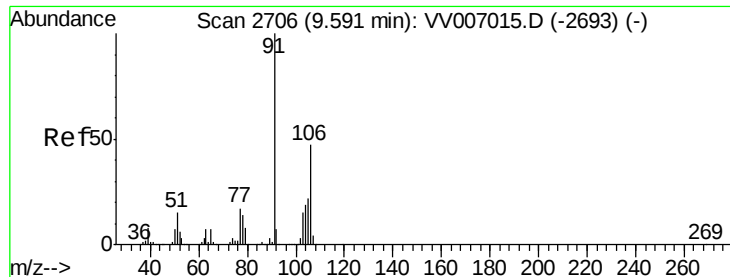
Tgt Ion: 106 Resp: 137279

Ion Ratio Lower Upper

106 100

91 198.8 141.6 263.0





#54

o-xylene

Concen: 5.264 ug/L

RT: 9.59 min Scan# 2707

Delta R.T. 0.00 min

Lab File: VV007032.D

Acq: 16 Aug 2018 00:33

Instrument :

MSVOA_V

ClientSampleId :

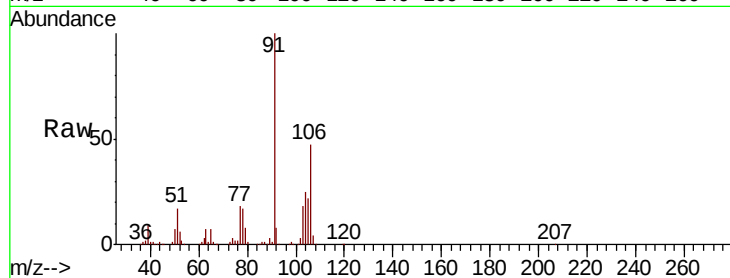
VSTD00588

Tgt Ion:106 Resp: 127608

Ion Ratio Lower Upper

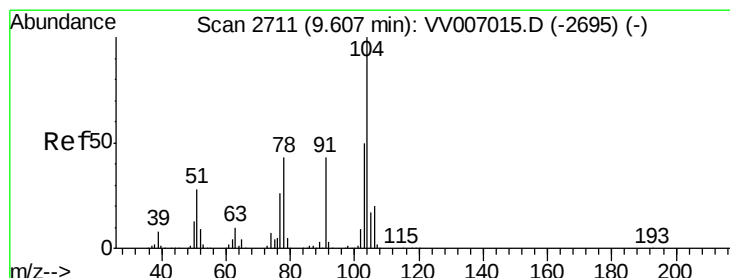
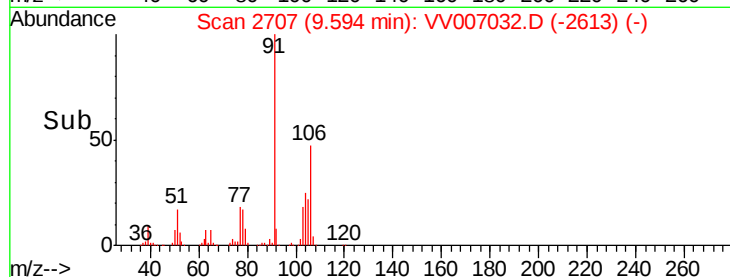
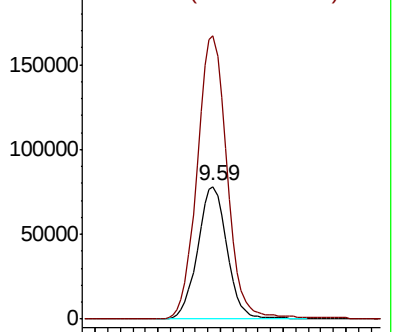
106 100

91 213.9 149.8 278.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.556 ug/L

RT: 9.61 min Scan# 2712

Delta R.T. 0.00 min

Lab File: VV007032.D

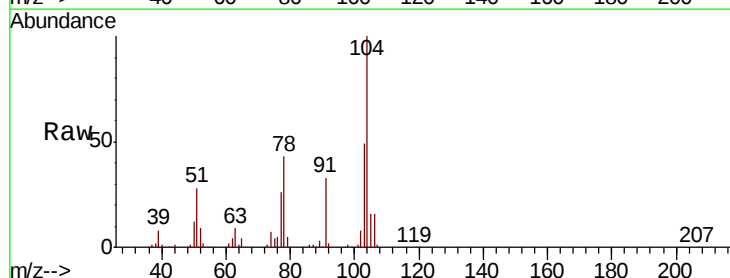
Acq: 16 Aug 2018 00:33

Tgt Ion:104 Resp: 227038

Ion Ratio Lower Upper

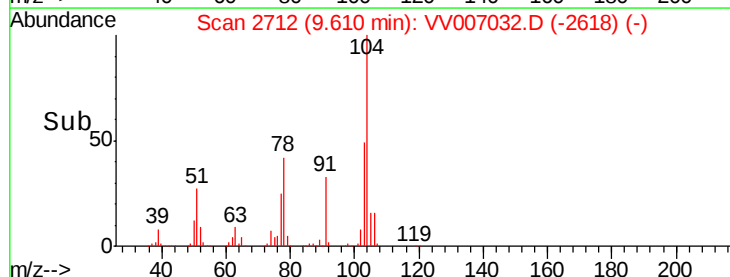
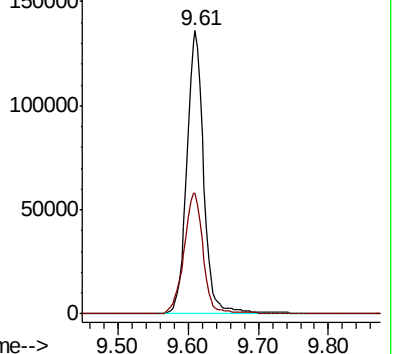
104 100

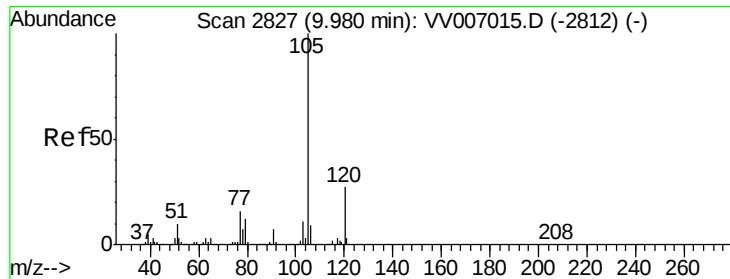
78 42.5 30.4 56.5



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.353 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VV007032.D

Acq: 16 Aug 2018 00:33

Instrument :

MSVOA_V

ClientSampled :

VSTD00588

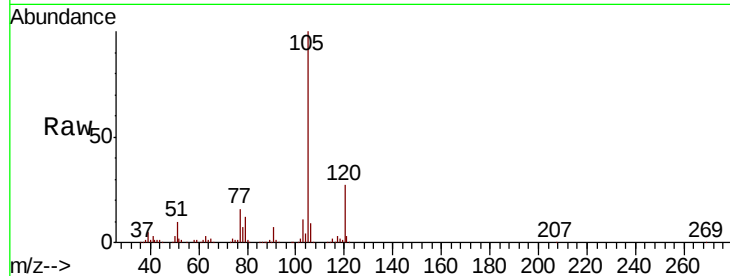
Tgt Ion: 105 Resp: 340435

Ion Ratio Lower Upper

105 100

120 26.7 21.1 31.7

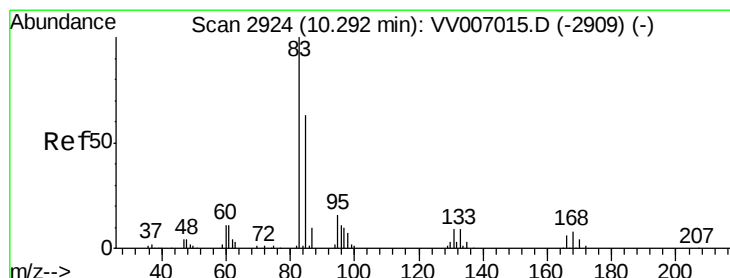
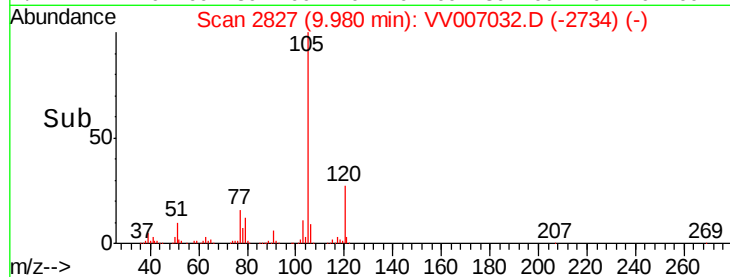
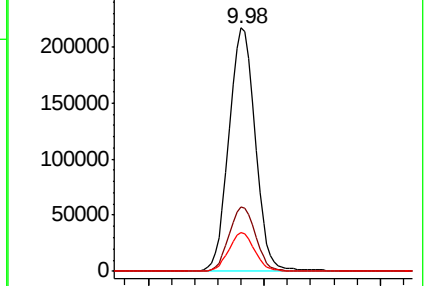
77 15.8 13.0 19.4



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: 5.699 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VV007032.D

Acq: 16 Aug 2018 00:33

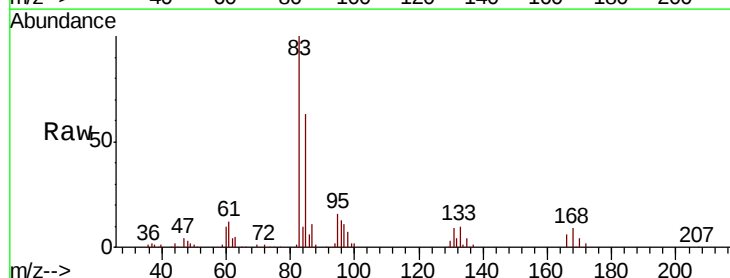
Tgt Ion: 83 Resp: 88220

Ion Ratio Lower Upper

83 100

85 63.3 43.0 79.8

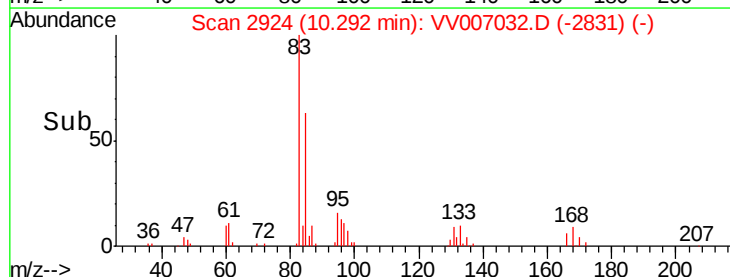
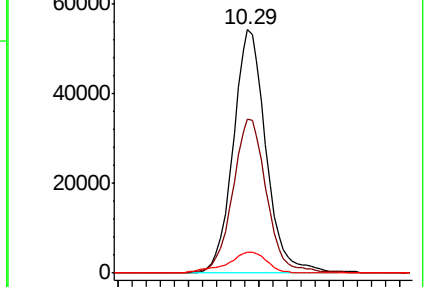
131 8.7 7.4 11.2

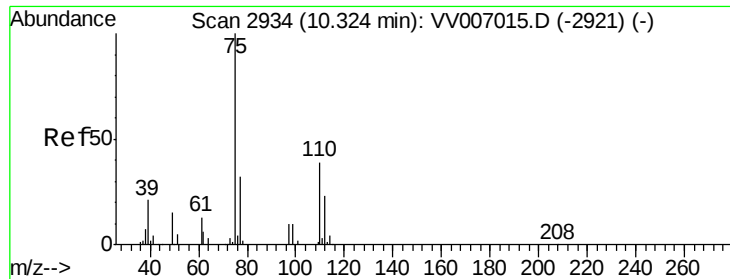


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.803 ug/L

RT: 10.32 min Scan# 2934

Delta R.T. 0.00 min

Lab File: VV007032.D

Acq: 16 Aug 2018 00:33

Instrument :

MSVOA_V

ClientSampleId :

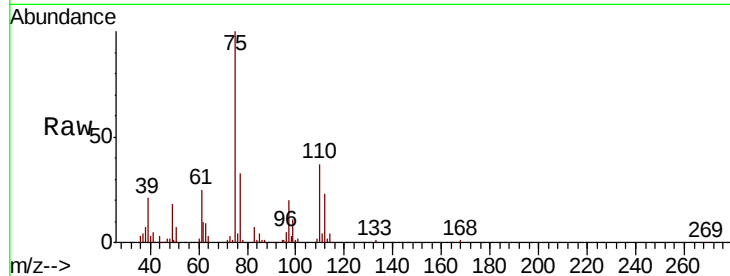
VSTD00588

Tgt Ion: 75 Resp: 63593

Ion Ratio Lower Upper

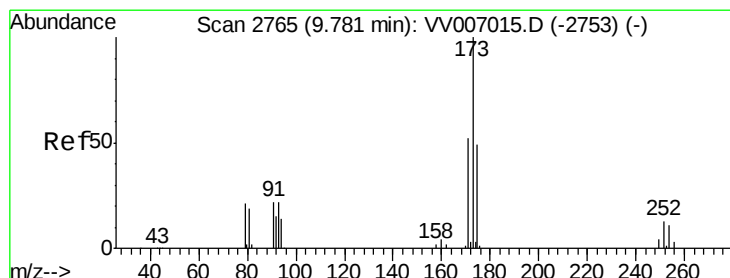
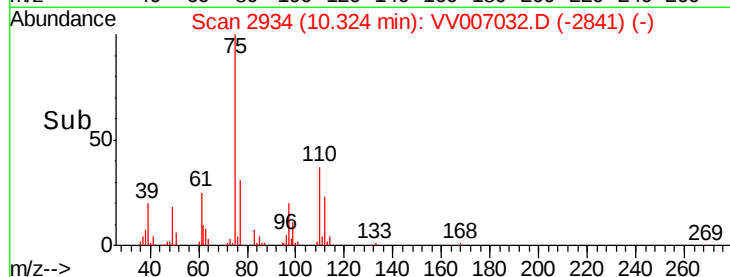
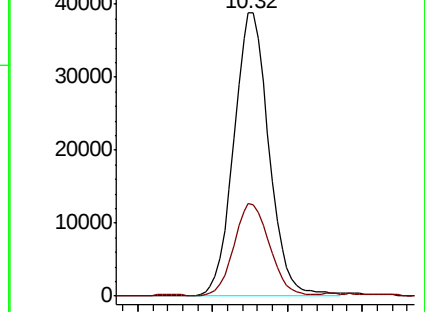
75 100

77 32.5 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VV007015.D (-2921) (-)

Ion 77.00 (76.70 to 77.70): VV007015.D (-2921) (-)



#61

Bromoform

Concen: 6.005 ug/L

RT: 9.78 min Scan# 2765

Delta R.T. 0.00 min

Lab File: VV007032.D

Acq: 16 Aug 2018 00:33

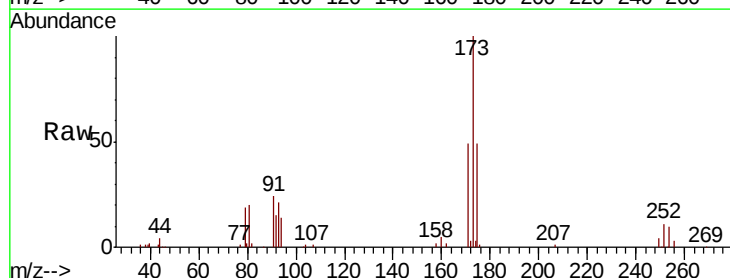
Tgt Ion: 173 Resp: 43211

Ion Ratio Lower Upper

173 100

175 47.8 39.3 58.9

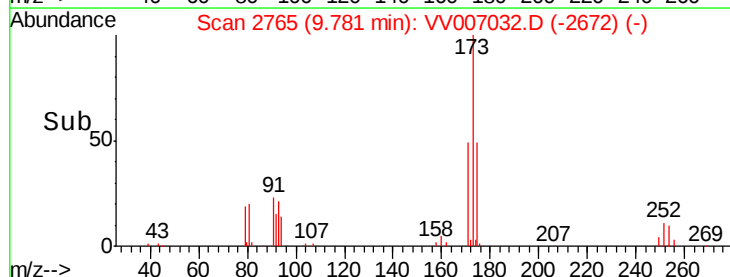
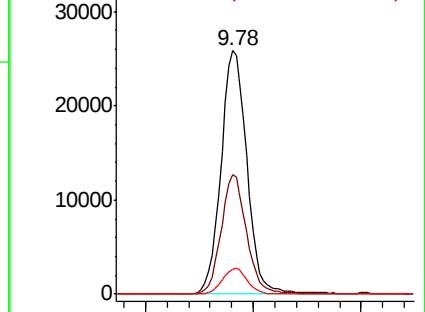
254 9.9 8.3 12.5

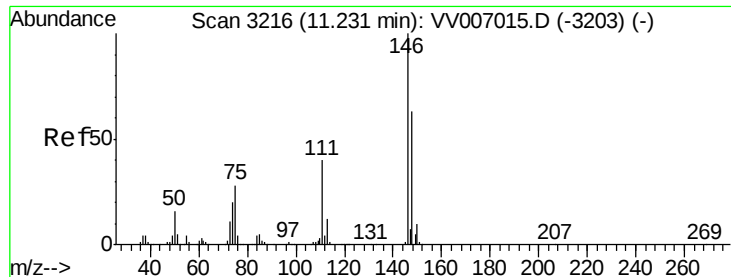


Abundance Ion 172.90 (172.60 to 173.60): VV007015.D (-2753) (-)

Ion 174.90 (174.60 to 175.60): VV007015.D (-2753) (-)

Ion 253.75 (253.45 to 254.45): VV007015.D (-2753) (-)





#62

1,3-Dichlorobenzene

Concen: 5.337 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. 0.00 min

Lab File: VV007032.D

Acq: 16 Aug 2018 00:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD00588

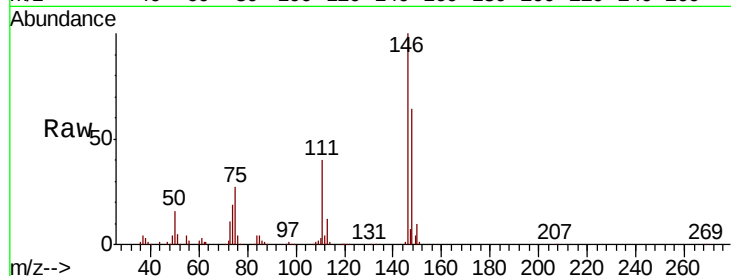
Tgt Ion:146 Resp: 164082

Ion Ratio Lower Upper

146 100

111 39.9 28.1 52.3

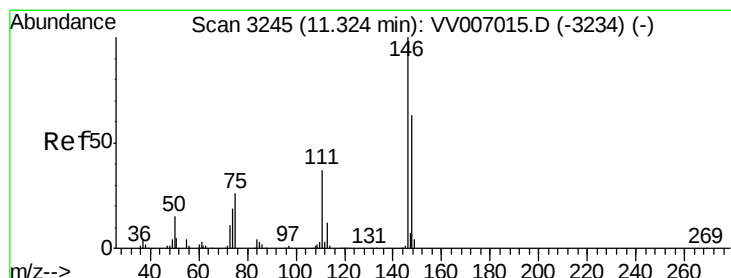
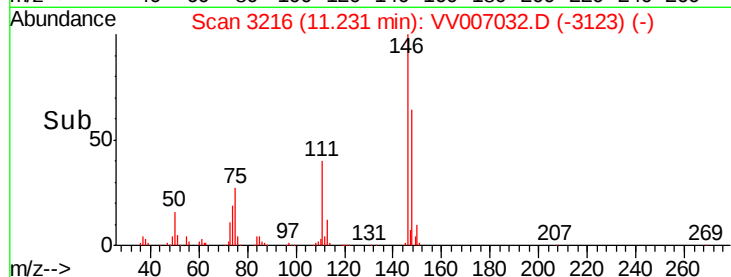
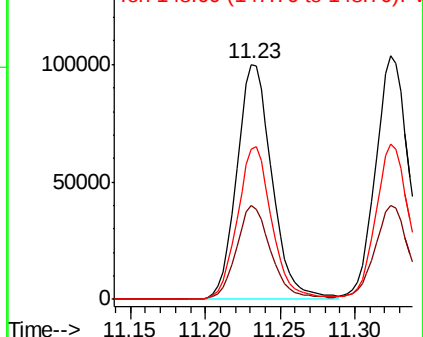
148 64.0 44.2 82.2



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: 5.352 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. 0.00 min

Lab File: VV007032.D

Acq: 16 Aug 2018 00:33

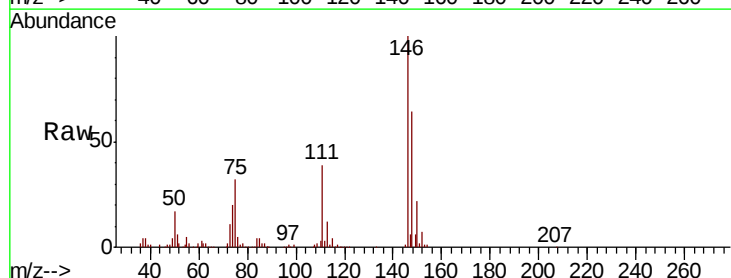
Tgt Ion:146 Resp: 168643

Ion Ratio Lower Upper

146 100

111 38.7 26.6 49.4

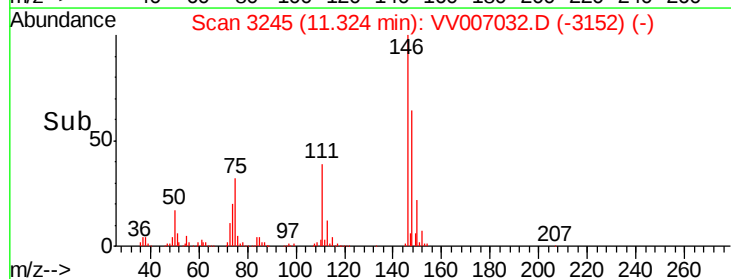
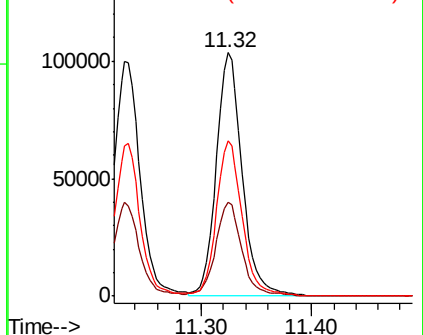
148 63.6 46.4 86.2

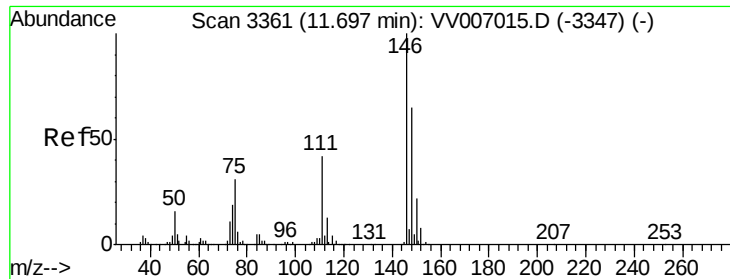


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

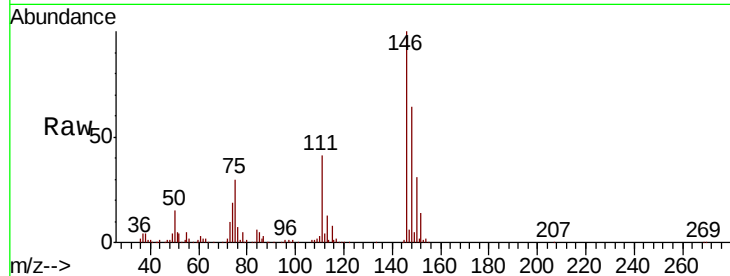




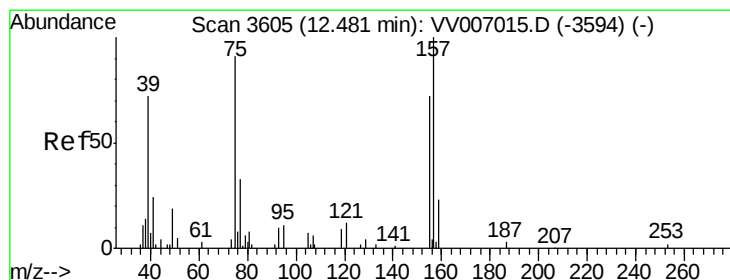
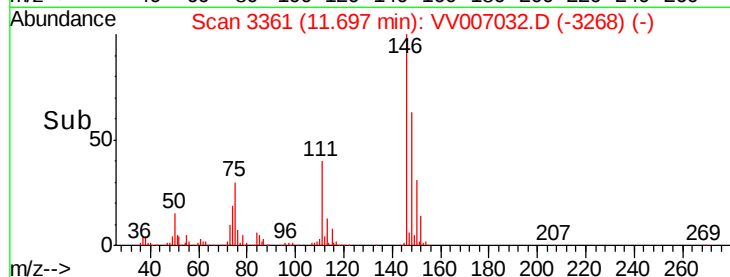
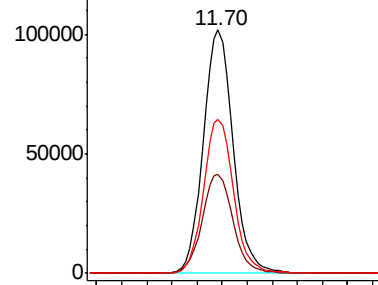
#65
 1,2-Dichlorobenzene
 Concen: 5.561 ug/L
 RT: 11.70 min Scan# 3361
 Delta R.T. 0.00 min
 Lab File: VV007032.D
 Acq: 16 Aug 2018 00:33

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00588

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	33.0	49.6
148	63.5	50.6	75.8

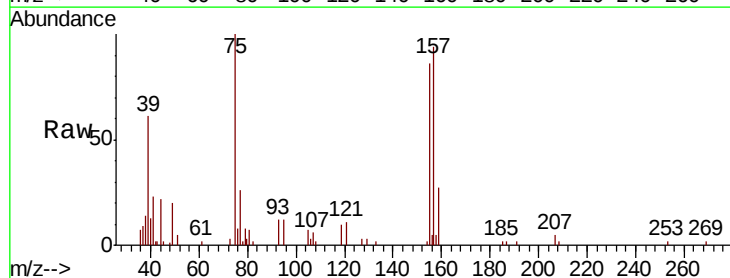


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

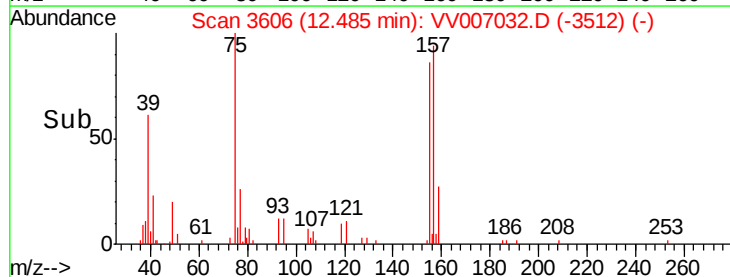
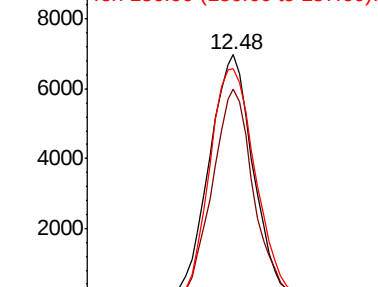


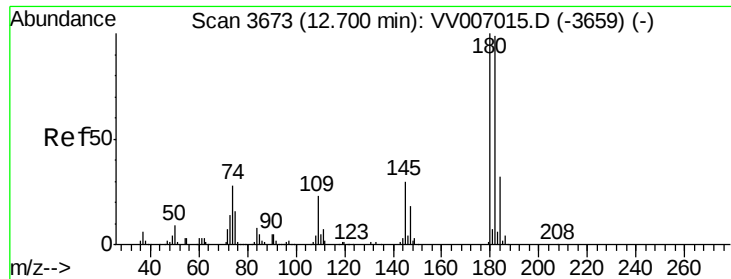
#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.360 ug/L
 RT: 12.48 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VV007032.D
 Acq: 16 Aug 2018 00:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.9	62.6	94.0
157	94.0	77.0	115.6



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

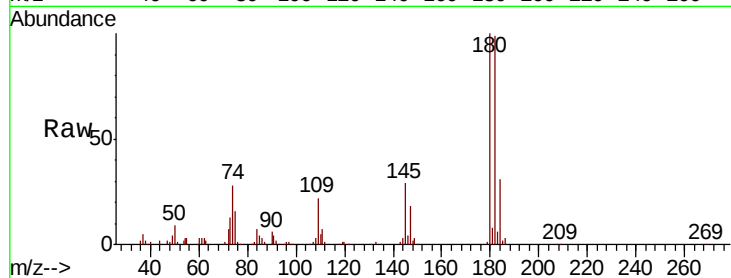




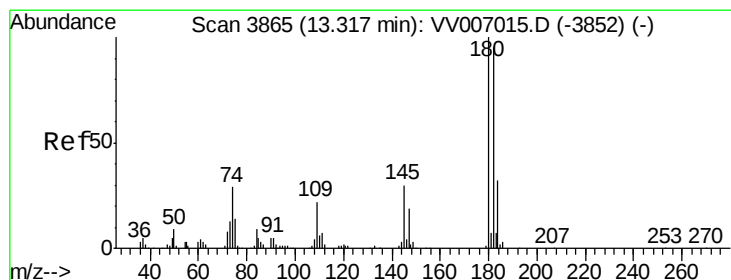
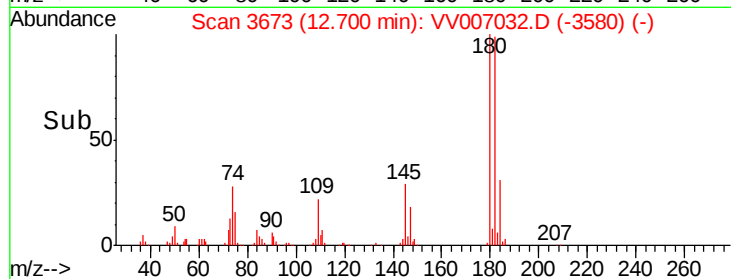
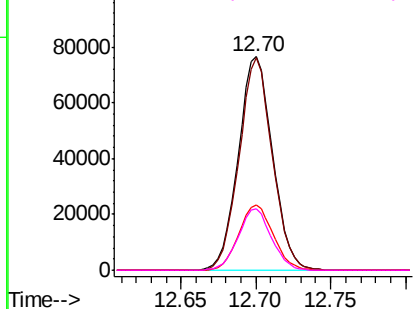
#67
 1,3,5-Trichlorobenzene
 Concen: 5.237 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. 0.00 min
 Lab File: VV007032.D
 Acq: 16 Aug 2018 00:33

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00588

Tgt Ion:	180	Resp:	121852
Ion	Ratio	Lower	Upper
180	100		
182	96.4	75.1	112.7
184	31.0	23.8	35.8
145	27.9	21.9	32.9

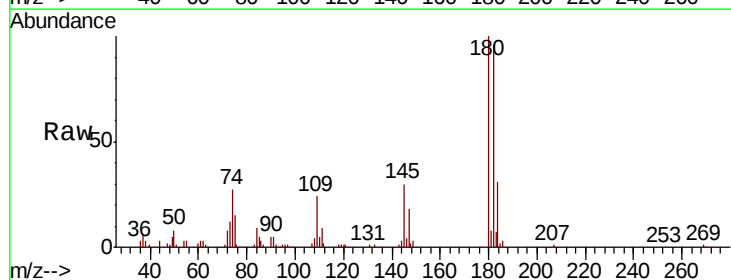


Abundance Ion 180.00 (179.70 to 180.70): V
 120000
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

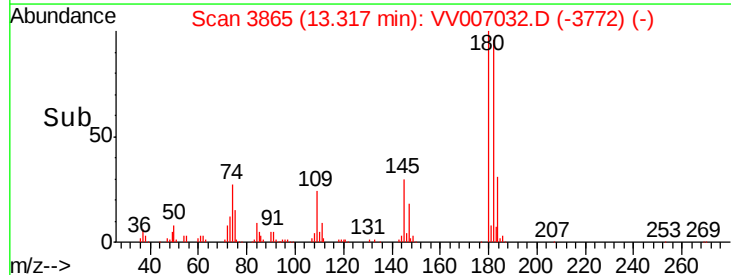
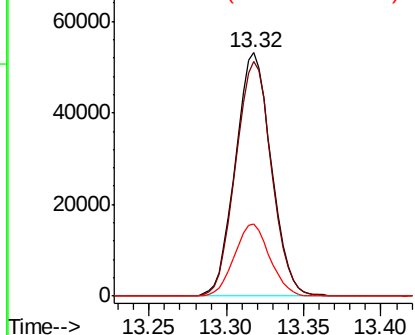


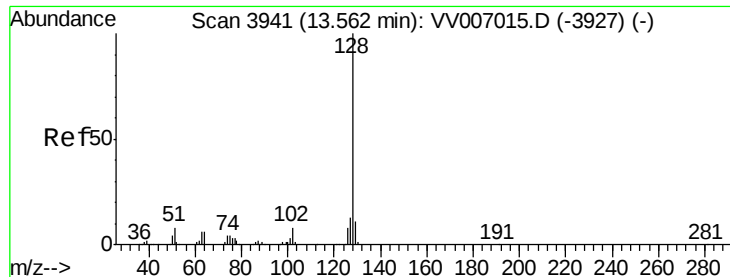
#68
 1,2,4-trichlorobenzene
 Concen: 5.008 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. 0.00 min
 Lab File: VV007032.D
 Acq: 16 Aug 2018 00:33

Tgt Ion:	180	Resp:	85531
Ion	Ratio	Lower	Upper
180	100		
182	96.7	76.5	114.7
145	29.2	23.6	35.4



Abundance Ion 179.90 (179.60 to 180.60): V
 60000
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.562 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. -0.00 min

Lab File: VV007032.D

Acq: 16 Aug 2018 00:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD00588

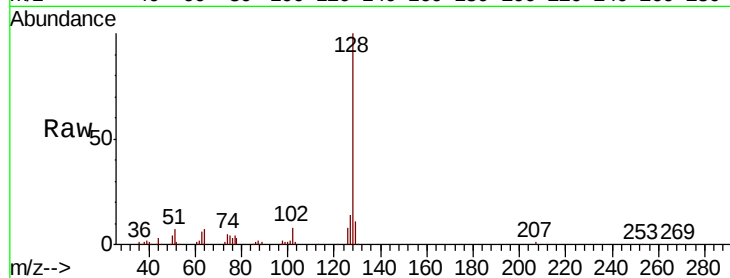
Tgt Ion:128 Resp: 111872

Ion Ratio Lower Upper

128 100

129 10.7 8.5 12.7

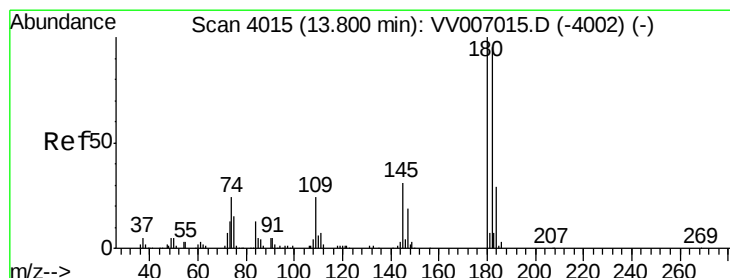
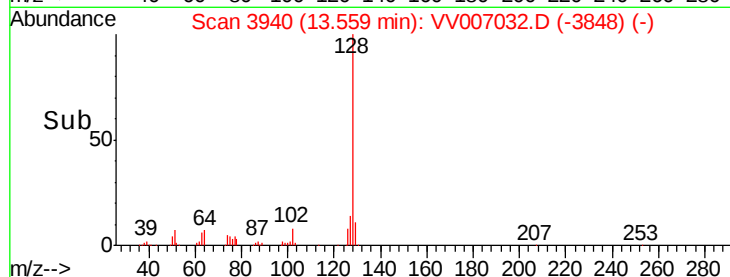
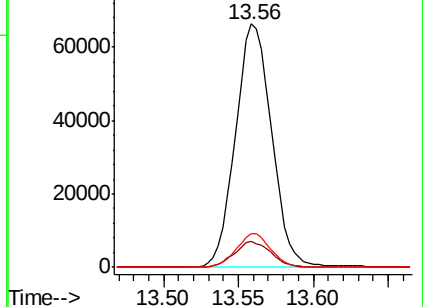
127 13.2 10.6 16.0



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: 5.195 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. 0.00 min

Lab File: VV007032.D

Acq: 16 Aug 2018 00:33

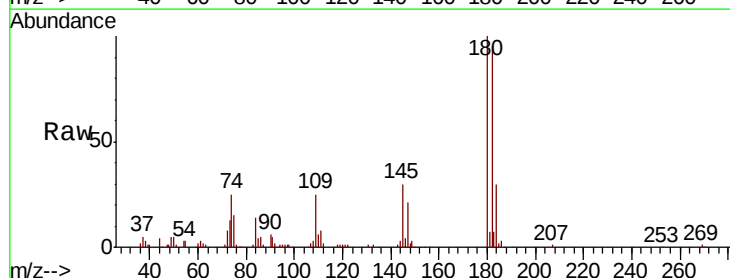
Tgt Ion:180 Resp: 85511

Ion Ratio Lower Upper

180 100

182 93.5 76.1 114.1

145 29.2 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

