

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082818\
 Data File : VV007247.D
 Acq On : 29 Aug 2018 02:45
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00564

Quant Time: Aug 29 04:04:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR082818WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Aug 29 04:00:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	244879	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	246393	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	115720	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	79593	4.58	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.60%
7) Chloroethane-d5	1.58	69	67224	4.80	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.00%
11) 1,1-Dichloroethene-d2	2.13	63	143843	4.78	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.60%
20) 2-Butanone-d5	3.97	46	223873	51.58	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.16%
24) Chloroform-d	4.40	84	171999	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
26) 1,2-Dichloroethane-d4	5.09	65	85914	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.20%
32) Benzene-d6	5.10	84	325999	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.00%
36) 1,2-Dichloropropane-d6	6.12	67	105122	4.61	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.20%
41) Toluene-d8	7.36	98	303271	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.60%
43) trans-1,3-Dichloropropene-	7.67	79	35237	4.35	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.00%
46) 2-Hexanone-d5	8.15	63	102948	48.37	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.74%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	86669	4.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.80%
64) 1,2-Dichlorobenzene-d4	11.68	152	103186	4.64	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	96720	5.375	ug/L 100
3) Chloromethane	1.25	50	101441	5.144	ug/L 99
5) Vinyl chloride	1.32	62	98958	5.240	ug/L 98
6) Bromomethane	1.53	94	32692	4.836	ug/L 99
8) Chloroethane	1.60	64	62150	5.368	ug/L 100
9) Trichlorofluoromethane	1.77	101	140584	5.323	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	86779	5.230	ug/L 99
12) 1,1-Dichloroethene	2.14	96	79029	5.333	ug/L 94
13) Acetone	2.21	43	113034	51.932	ug/L 95
14) Carbon disulfide	2.32	76	216808	4.962	ug/L 99
15) Methyl Acetate	2.47	43	30958	5.363	ug/L 95
16) Methylene chloride	2.54	84	91192	5.076	ug/L 98
17) Methyl tert-butyl Ether	2.82	73	201689	5.286	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	87847	5.321	ug/L 96
19) 1,1-Dichloroethane	3.23	63	177956	5.295	ug/L 99
21) 2-Butanone	4.05	43	248636	54.936	ug/L 99
22) cis-1,2-Dichloroethene	3.96	96	97794	5.161	ug/L 95

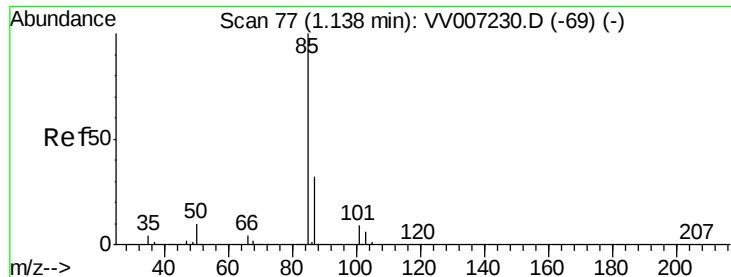
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082818\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	44834	5.224	ug/L	98
25) Chloroform	4.43	83	181953	5.407	ug/L	98
27) 1,2-Dichloroethane	5.19	62	105969	5.356	ug/L	97
29) 1,1,1-Trichloroethane	4.66	97	149350	5.202	ug/L	98
30) Cyclohexane	4.73	56	123061	4.871	ug/L	98
31) Carbon tetrachloride	4.88	117	126986	5.222	ug/L	100
33) Benzene	5.15	78	379115	5.194	ug/L	100
34) Trichloroethene	5.96	95	92143	5.005	ug/L	99
35) Methylcyclohexane	6.18	83	129260	4.801	ug/L	100
37) 1,2-Dichloropropane	6.23	63	103356	5.335	ug/L	100
38) Bromodichloromethane	6.56	83	121765	5.242	ug/L	100
39) cis-1,3-Dichloropropene	7.08	75	111913	4.657	ug/L	97
40) 4-Methyl-2-pentanone	7.29	43	554633	54.665	ug/L	97
42) Toluene	7.44	91	393359	5.489	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	97091	4.844	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	73053	5.231	ug/L	97
47) Tetrachloroethene	8.02	164	77368	5.085	ug/L	99
48) 2-Hexanone	8.20	43	453829	59.937	ug/L	98
49) Dibromochloromethane	8.30	129	81664	5.196	ug/L	98
50) 1,2-Dibromoethane	8.40	107	63862	5.349	ug/L	98
51) Chlorobenzene	8.93	112	243904	5.006	ug/L	100
52) Ethylbenzene	9.06	91	364130	5.058	ug/L	96
53) m,p-xylene	9.19	106	139451	5.087	ug/L	99
54) o-xylene	9.59	106	131955	5.172	ug/L	100
55) Styrene	9.61	104	238212	5.326	ug/L	100
56) Isopropylbenzene	9.98	105	350769	5.170	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	88631	5.426	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	63565	5.401	ug/L	99
61) Bromoform	9.78	173	45024	5.184	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	171909	4.953	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	180004	4.906	ug/L	99
65) 1,2-Dichlorobenzene	11.70	146	179716	5.180	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	9697	4.772	ug/L	92
67) 1,3,5-Trichlorobenzene	12.70	180	127569	5.021	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	87814	5.134	ug/L	99
69) Naphthalene	13.56	128	100231	4.690	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	85114	5.072	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 5.375 ug/L

RT: 1.14 min Scan# 77

Delta R.T. 0.00 min

Lab File: VV007247.D

Acq: 29 Aug 2018 02:45

Instrument :

MSVOA_V

ClientSampleId :

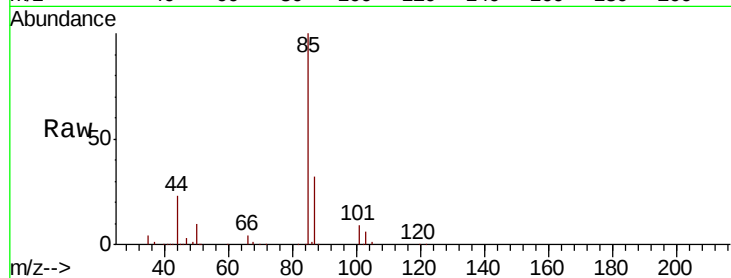
VSTD00564

Tot Ion: 85 Resp: 96720

Ion Ratio Lower Upper

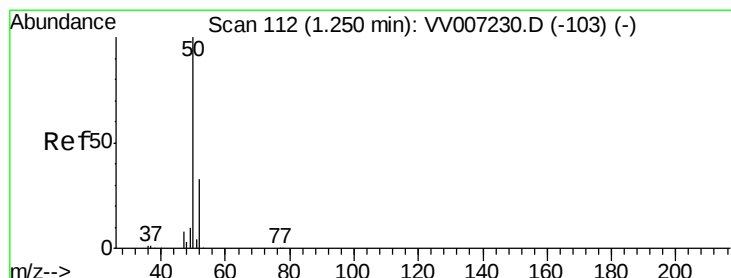
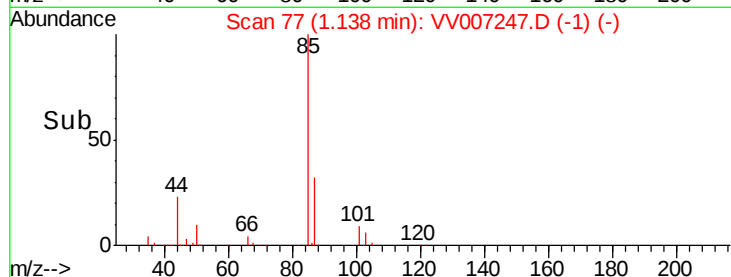
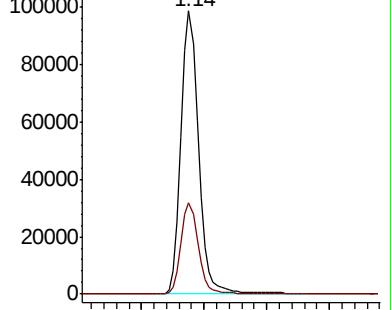
85 100

87 32.0 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV007230.D (-69) (-)

Ion 87.00 (86.70 to 87.70): VV007230.D (-69) (-)



#3

Chloromethane

Concen: 5.144 ug/L

RT: 1.25 min Scan# 112

Delta R.T. 0.00 min

Lab File: VV007247.D

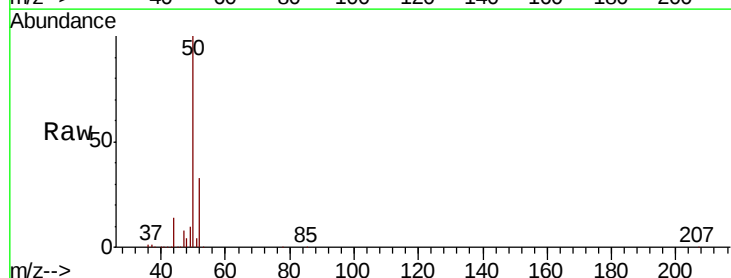
Acq: 29 Aug 2018 02:45

Tgt Ion: 50 Resp: 101441

Ion Ratio Lower Upper

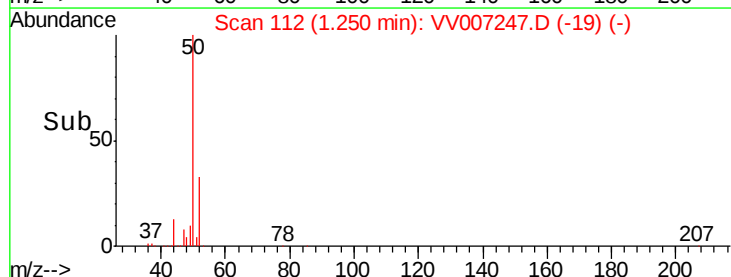
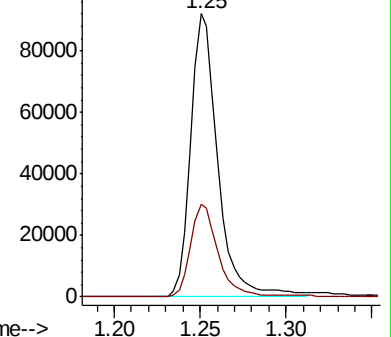
50 100

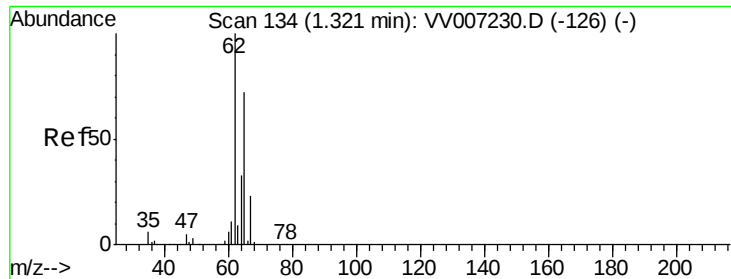
52 32.8 22.5 41.9



Abundance Ion 50.05 (49.75 to 50.75): VV007230.D (-103) (-)

Ion 52.05 (51.75 to 52.75): VV007230.D (-103) (-)





#5

Vinyl chloride

Concen: 5.240 ug/L

RT: 1.32 min Scan# 134

Delta R.T. 0.00 min

Lab File: VV007247.D

Acq: 29 Aug 2018 02:45

Instrument :

MSVOA_V

ClientSampleId :

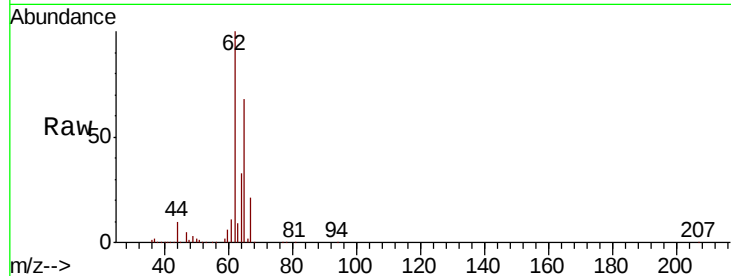
VSTD00564

Tot Ion: 62 Resp: 98958

Ion Ratio Lower Upper

62 100

64 32.6 23.6 43.8



Abundance Ion 62.00 (61.70 to 62.70): VV007230.D (-126) (-)

Ion 64.10 (63.80 to 64.80): VV007247.D (-108) (-)

1.32

100000

80000

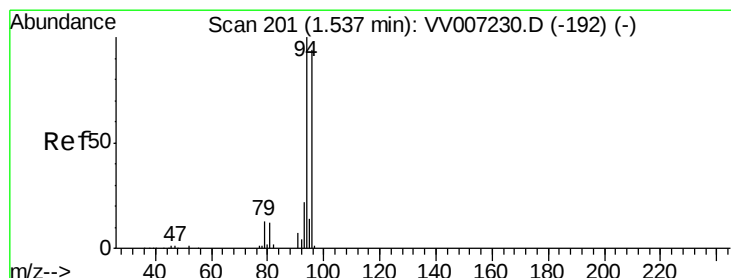
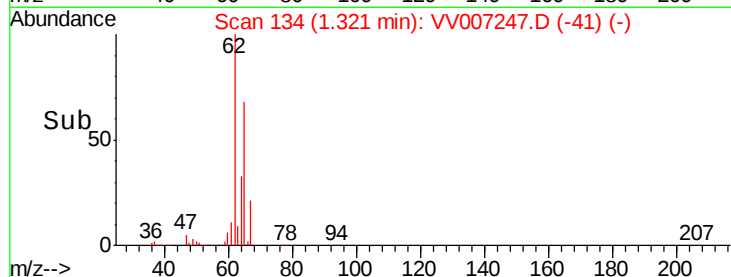
60000

40000

20000

0

Time-->



#6

Bromomethane

Concen: 4.836 ug/L

RT: 1.53 min Scan# 200

Delta R.T. -0.00 min

Lab File: VV007247.D

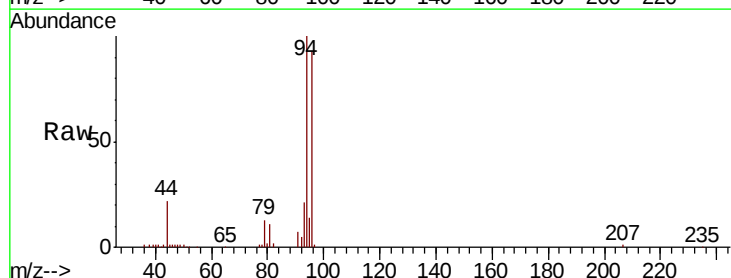
Acq: 29 Aug 2018 02:45

Tgt Ion: 94 Resp: 32692

Ion Ratio Lower Upper

94 100

96 93.3 65.8 122.2



Abundance Ion 94.00 (93.70 to 94.70): VV007230.D (-192) (-)

Ion 96.00 (95.70 to 96.70): VV007247.D (-108) (-)

1.53

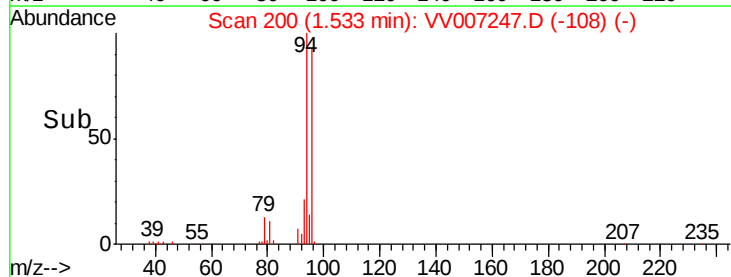
30000

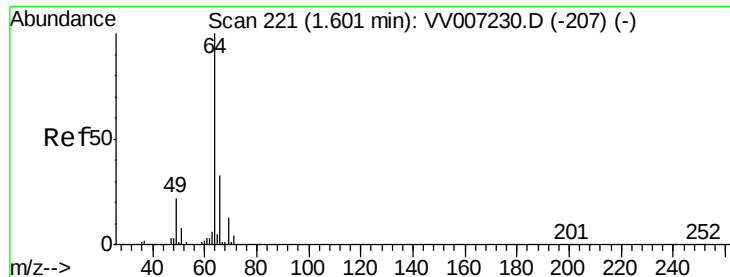
20000

10000

0

Time-->

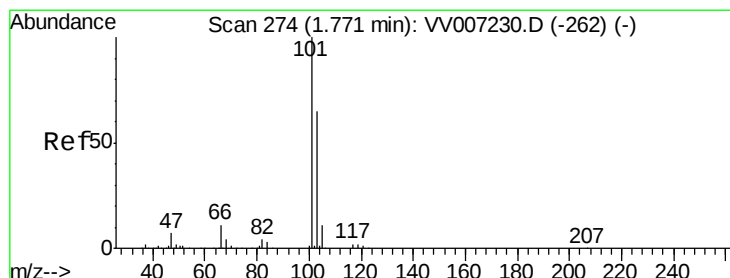
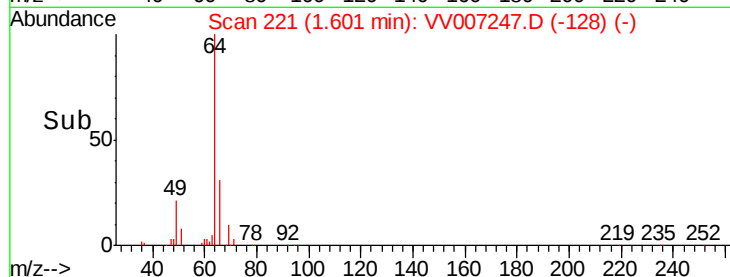
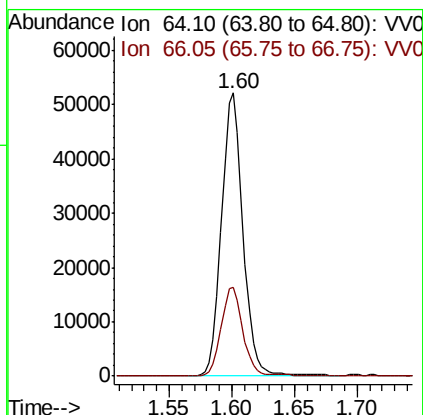
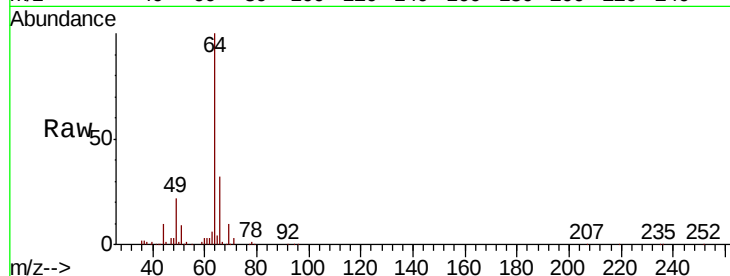




#8
Chloroethane
Concen: 5.368 ug/L
RT: 1.60 min Scan# 221
Delta R.T. 0.00 min
Lab File: VV007247.D
Acq: 29 Aug 2018 02:45

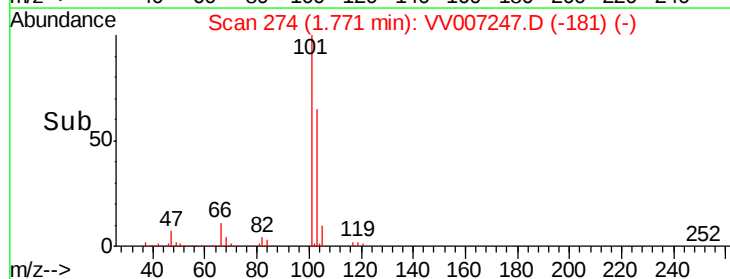
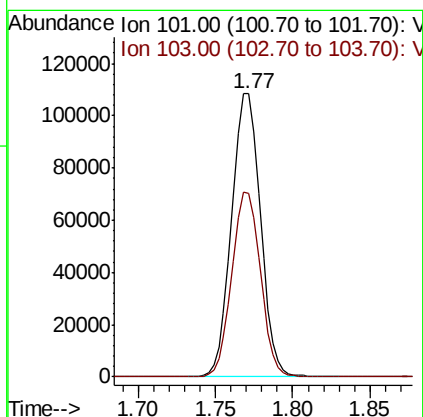
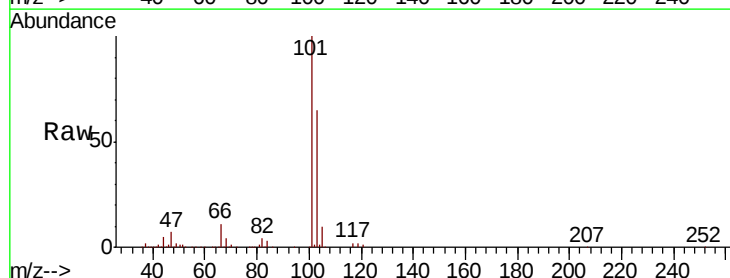
Instrument :
MSVOA_V
ClientSampleId :
VSTD00564

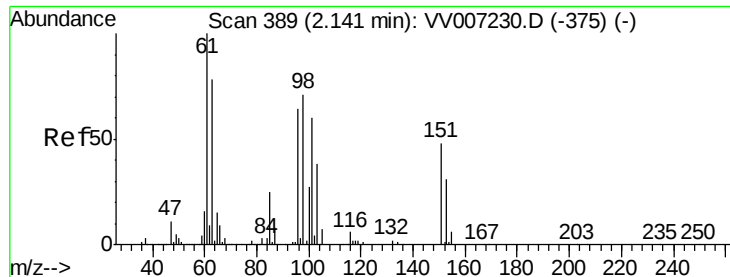
Tot Ion: 64 Resp: 62150
Ion Ratio Lower Upper
64 100
66 31.6 22.2 41.2



#9
Trichlorofluoromethane
Concen: 5.323 ug/L
RT: 1.77 min Scan# 274
Delta R.T. 0.00 min
Lab File: VV007247.D
Acq: 29 Aug 2018 02:45

Tgt Ion:101 Resp: 140584
Ion Ratio Lower Upper
101 100
103 64.5 51.9 77.9





#10

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

Concen: 5.230 ug/L

RT: 2.14 min Scan# 389

Delta R.T. 0.00 min

Lab File: VV007247.D

Acq: 29 Aug 2018 02:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD00564

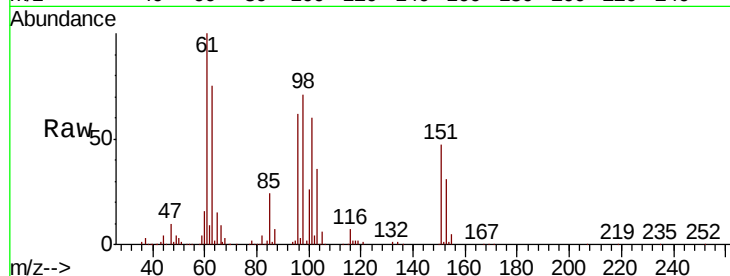
Tot Ion:101 Resp: 86779

Ion Ratio Lower Upper

101 100

85 40.6 33.2 49.8

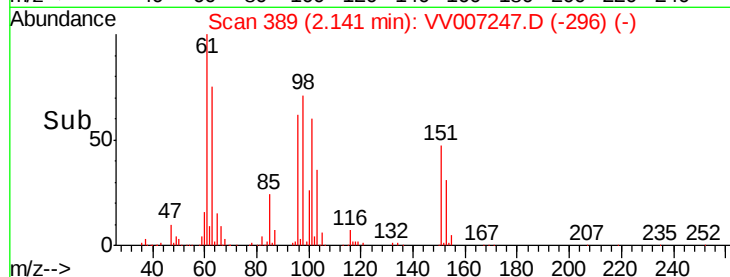
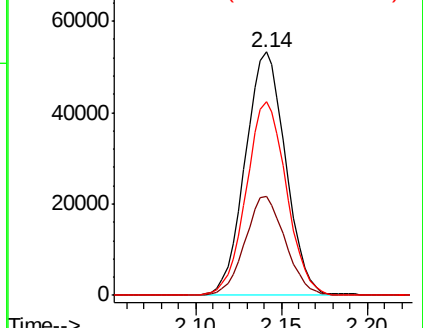
151 79.1 63.8 95.8



Abundance Ion 101.00 (100.70 to 101.70): VV007230.D (-375) (-)

Ion 85.00 (84.70 to 85.70): VV007230.D (-375) (-)

Ion 151.00 (150.70 to 151.70): VV007230.D (-375) (-)



#12

1,1-Dichloroethene

Concen: 5.333 ug/L

RT: 2.14 min Scan# 389

Delta R.T. 0.00 min

Lab File: VV007247.D

Acq: 29 Aug 2018 02:45

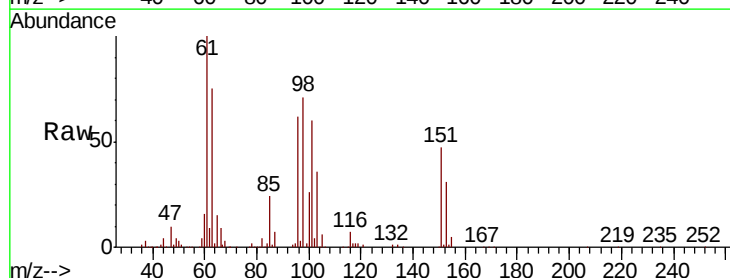
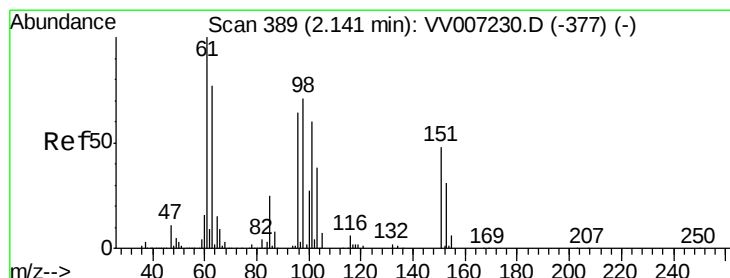
Tgt Ion: 96 Resp: 79029

Ion Ratio Lower Upper

96 100

61 162.0 112.3 208.5

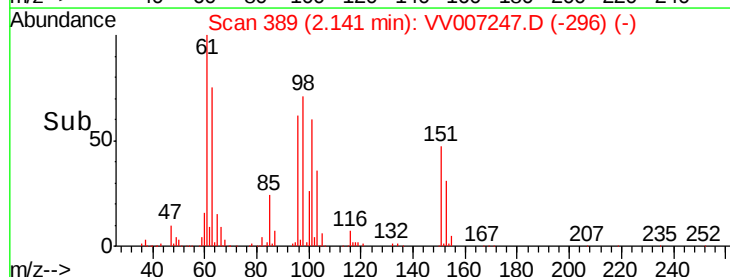
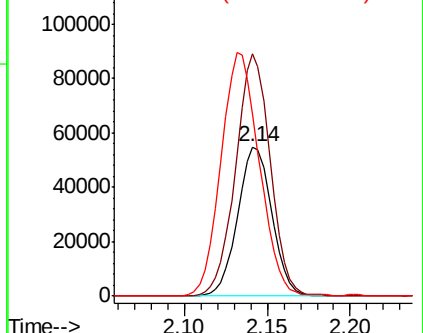
63 122.0 75.4 140.0

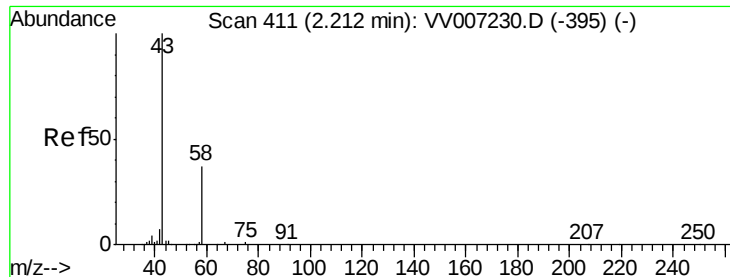


Abundance Ion 96.00 (95.70 to 96.70): VV007247.D (-296) (-)

Ion 61.05 (60.75 to 61.75): VV007247.D (-296) (-)

Ion 63.00 (62.70 to 63.70): VV007247.D (-296) (-)





#13

Acetone

Concen: 51.932 ug/L

RT: 2.21 min Scan# 409

Delta R.T. -0.01 min

Lab File: VV007247.D

Acq: 29 Aug 2018 02:45

Instrument :

MSVOA_V

ClientSampleId :

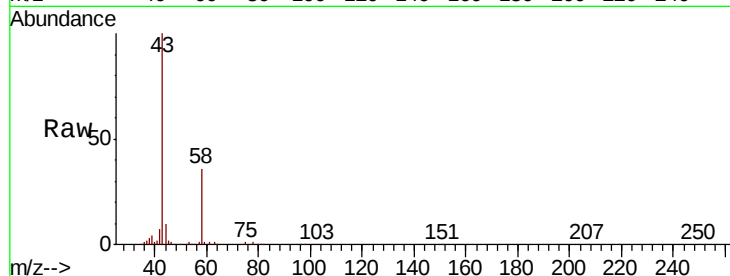
VSTD00564

Tot Ion: 43 Resp: 113034

Ion Ratio Lower Upper

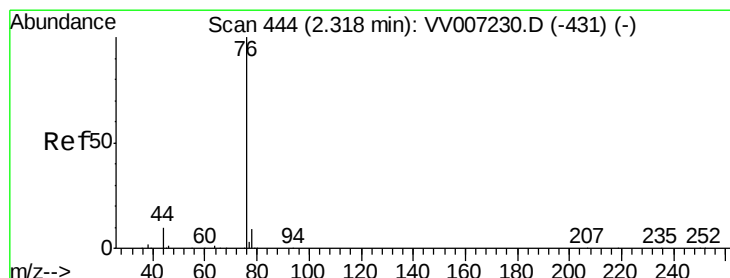
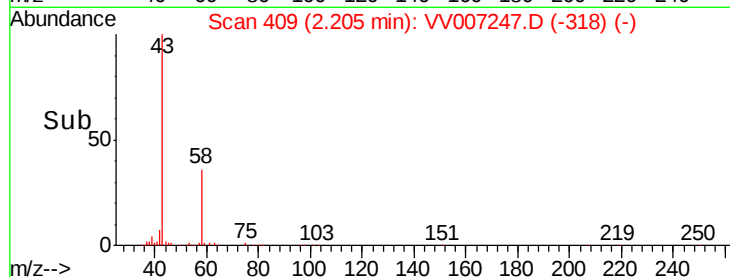
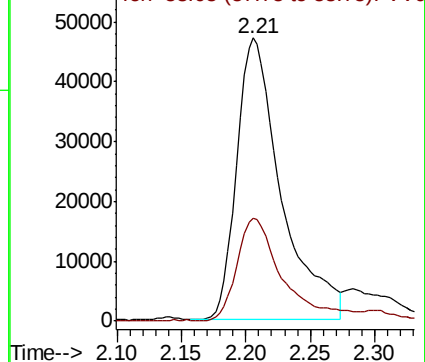
43 100

58 38.3 0.0 70.2



Abundance Ion 43.05 (42.75 to 43.75): VV007230.D (-395) (-)

Ion 58.05 (57.75 to 58.75): VV007230.D (-395) (-)



#14

Carbon disulfide

Concen: 4.962 ug/L

RT: 2.32 min Scan# 444

Delta R.T. 0.00 min

Lab File: VV007247.D

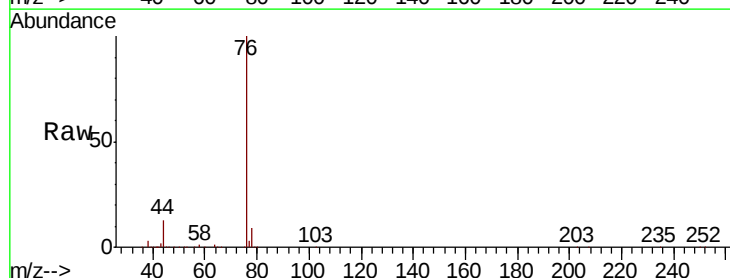
Acq: 29 Aug 2018 02:45

Tgt Ion: 76 Resp: 216808

Ion Ratio Lower Upper

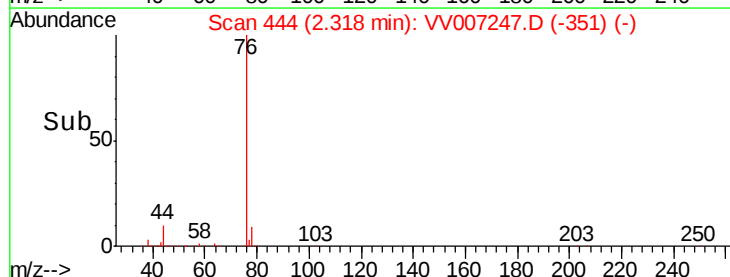
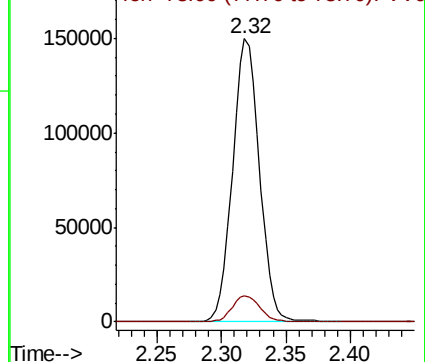
76 100

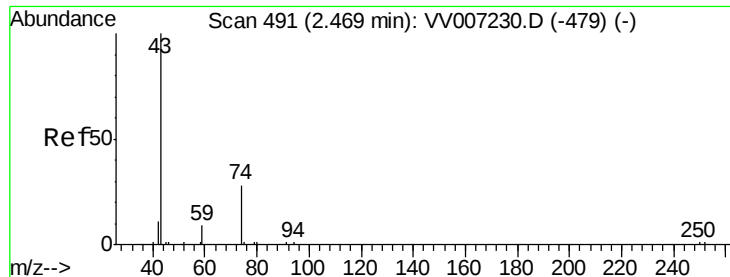
78 9.3 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VV007230.D (-431) (-)

Ion 78.00 (77.70 to 78.70): VV007230.D (-431) (-)

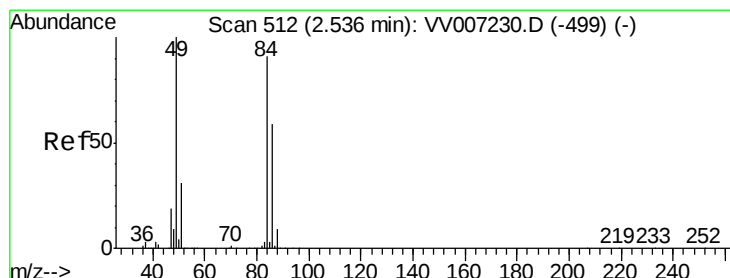
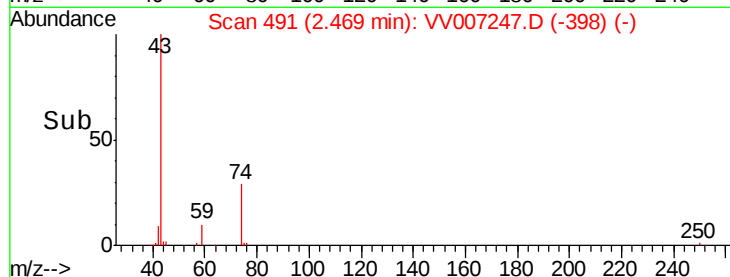
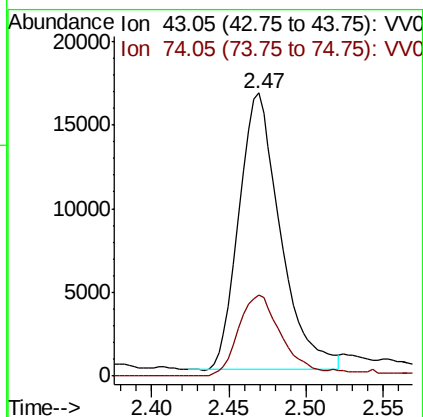
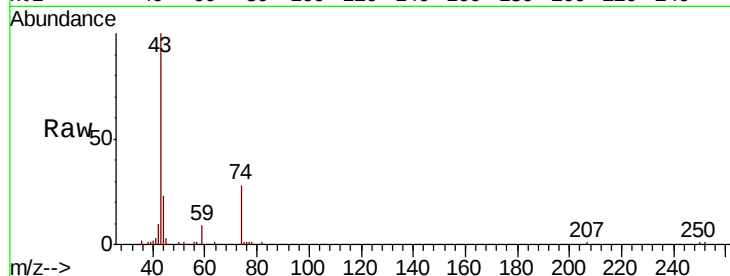




#15
Methvl Acetate
Concen: 5.363 ug/L
RT: 2.47 min Scan# 491
Delta R.T. 0.00 min
Lab File: VV007247.D
Acq: 29 Aug 2018 02:45

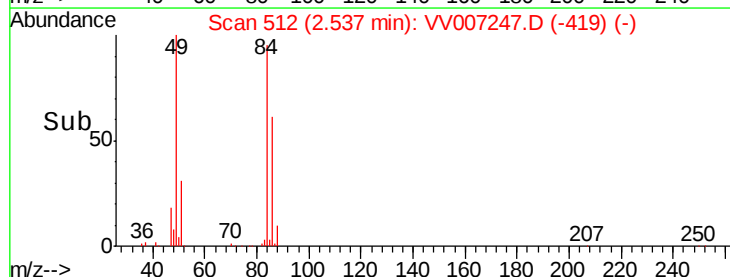
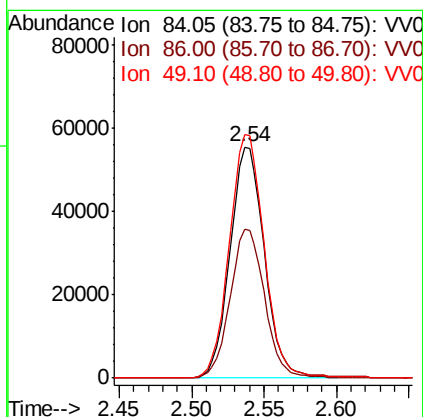
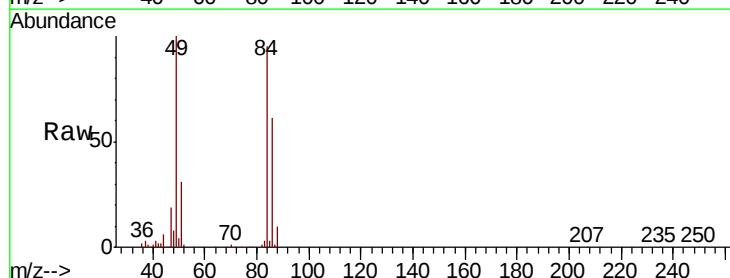
Instrument :
MSVOA_V
ClientSampleId :
VSTD00564

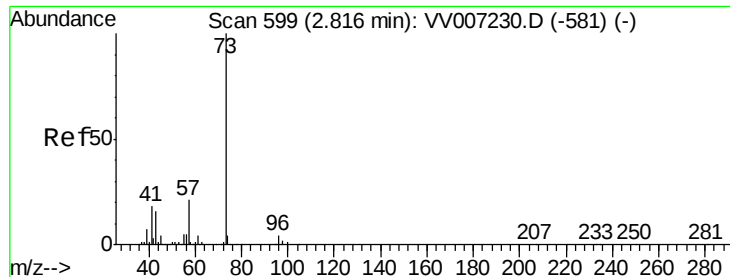
Tot Ion: 43 Resp: 30958
Ion Ratio Lower Upper
43 100
74 30.2 22.2 33.2



#16
Methylene chloride
Concen: 5.076 ug/L
RT: 2.54 min Scan# 512
Delta R.T. 0.00 min
Lab File: VV007247.D
Acq: 29 Aug 2018 02:45

Tgt Ion: 84 Resp: 91192
Ion Ratio Lower Upper
84 100
86 64.3 46.3 85.9
49 105.2 75.2 139.6

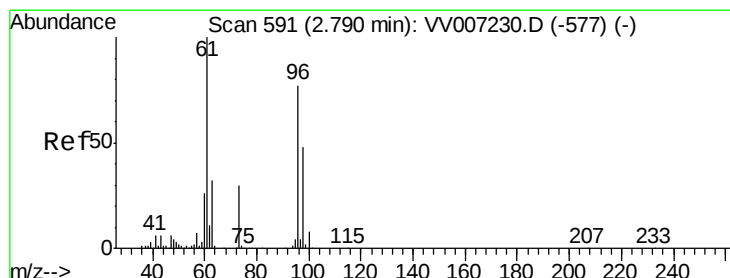
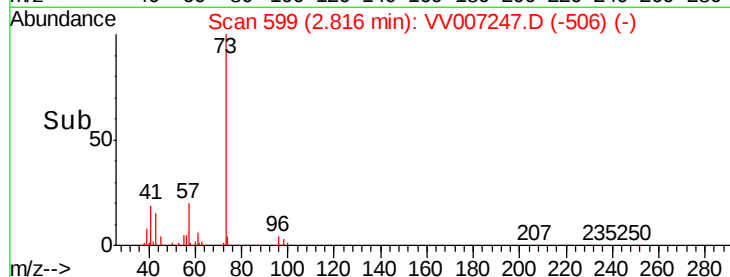
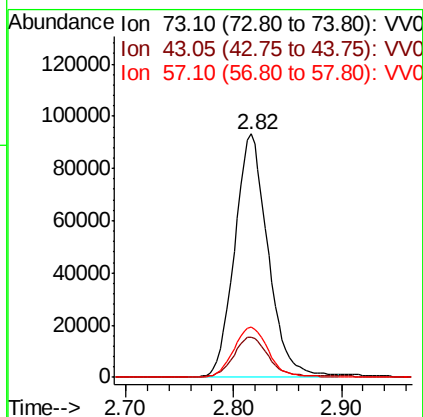
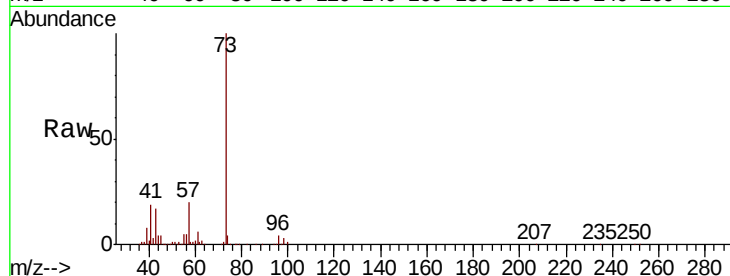




#17
Methvl tert-butvl Ether
Concen: 5.286 ug/L
RT: 2.82 min Scan# 599
Delta R.T. 0.00 min
Lab File: VV007247.D
Acq: 29 Aug 2018 02:45

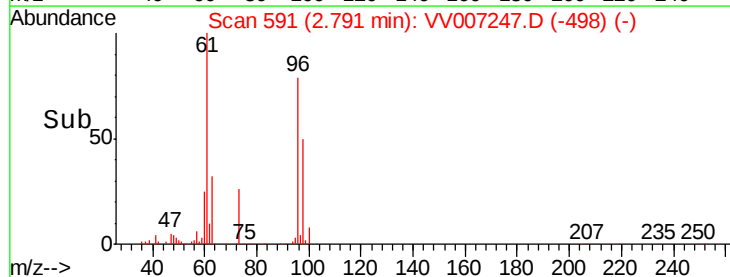
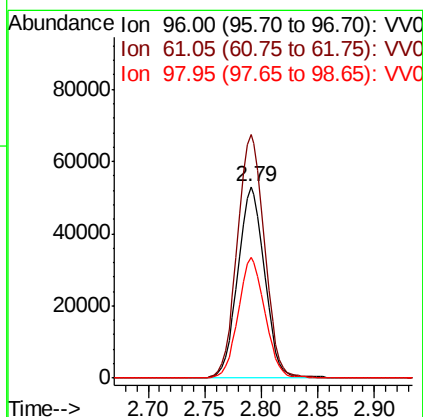
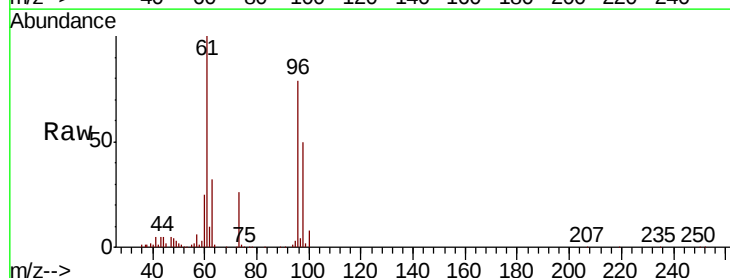
Instrument :
MSVOA_V
ClientSampleId :
VSTD00564

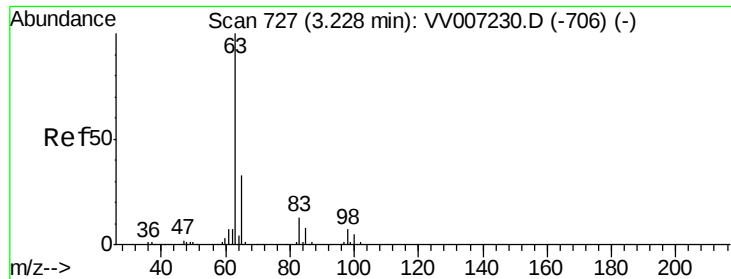
Tot Ion	Ratio	Lower	Upper
73	100		
43	16.8	13.8	20.6
57	21.6	16.9	25.3



#18
trans-1,2-Dichloroethene
Concen: 5.321 ug/L
RT: 2.79 min Scan# 591
Delta R.T. 0.00 min
Lab File: VV007247.D
Acq: 29 Aug 2018 02:45

Tgt Ion	Ratio	Lower	Upper
96	100		
61	127.2	92.7	172.1
98	63.1	43.2	80.2

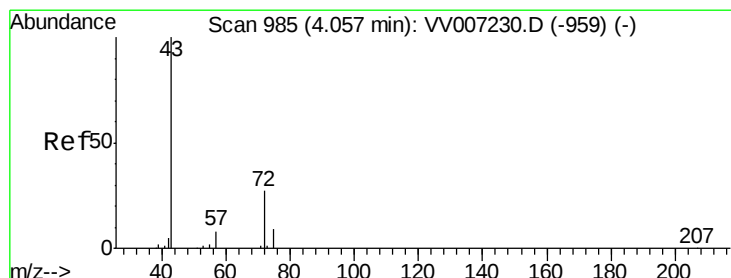
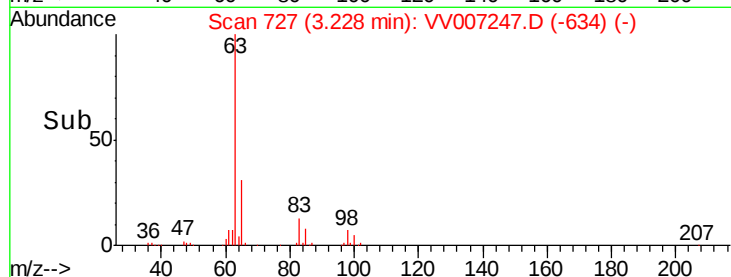
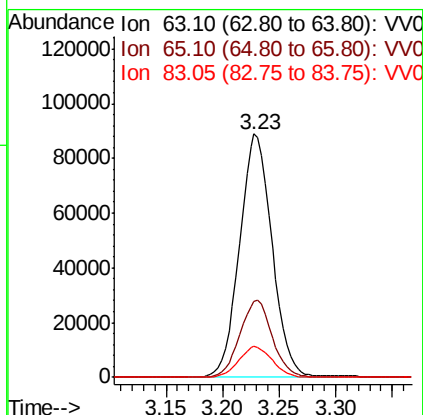
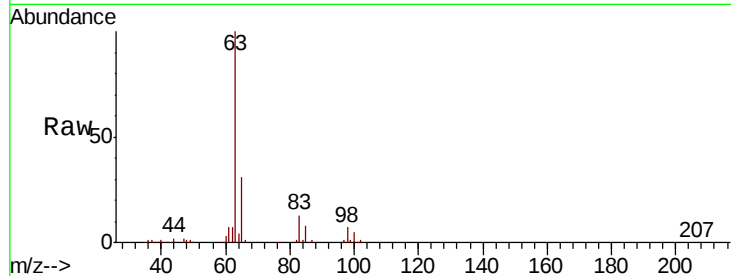




#19
 1,1-Dichloroethane
 Concen: 5.295 ug/L
 RT: 3.23 min Scan# 727
 Delta R.T. 0.00 min
 Lab File: VV007247.D
 Acq: 29 Aug 2018 02:45

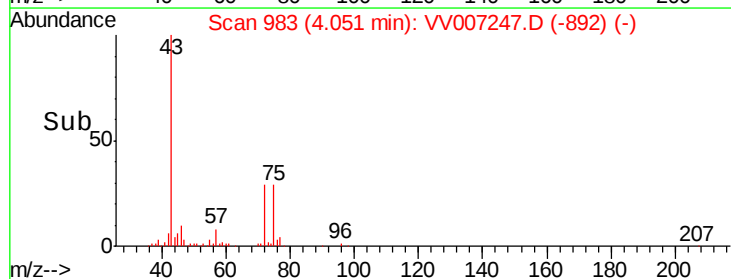
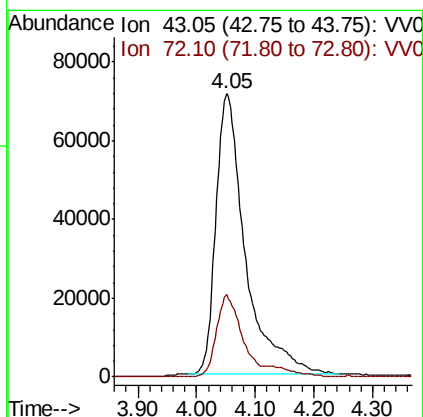
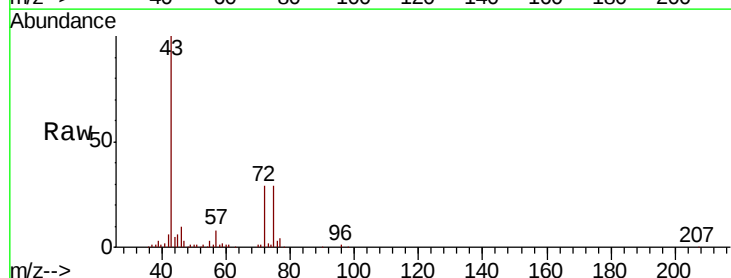
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00564

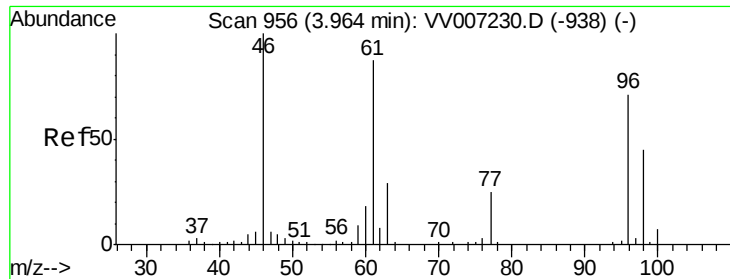
Tot Ion: 63 Resp: 177956
 Ion Ratio Lower Upper
 63 100
 65 31.1 21.8 40.4
 83 12.6 9.4 17.4



#21
 2-Butanone
 Concen: 54.936 ug/L
 RT: 4.05 min Scan# 983
 Delta R.T. -0.01 min
 Lab File: VV007247.D
 Acq: 29 Aug 2018 02:45

Tgt Ion: 43 Resp: 248636
 Ion Ratio Lower Upper
 43 100
 72 25.1 12.4 37.0



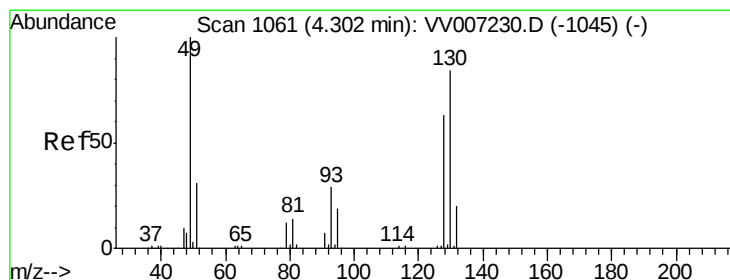
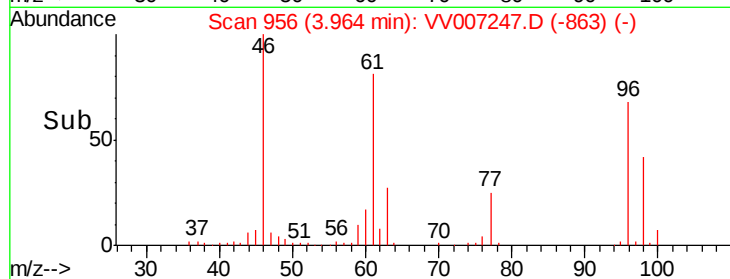
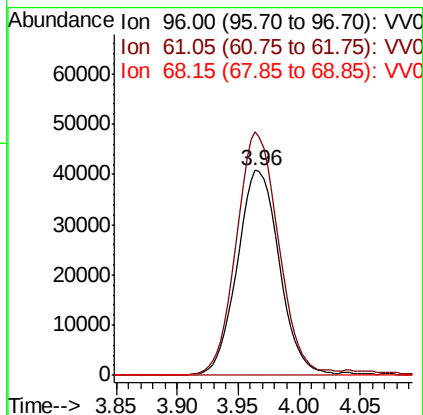
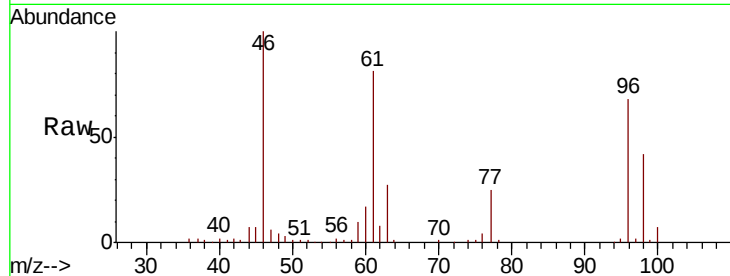


#22

cis-1,2-Dichloroethene
 Concen: 5.161 ug/L
 RT: 3.96 min Scan# 956
 Delta R.T. 0.00 min
 Lab File: VV007247.D
 Acq: 29 Aug 2018 02:45

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00564

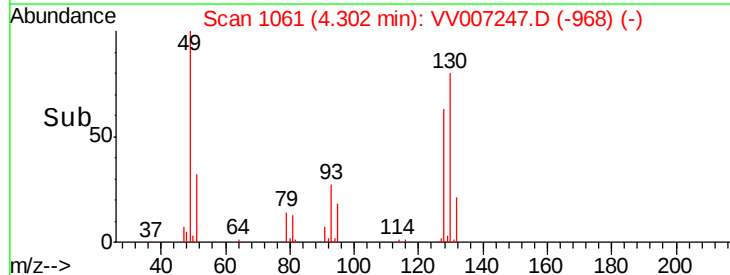
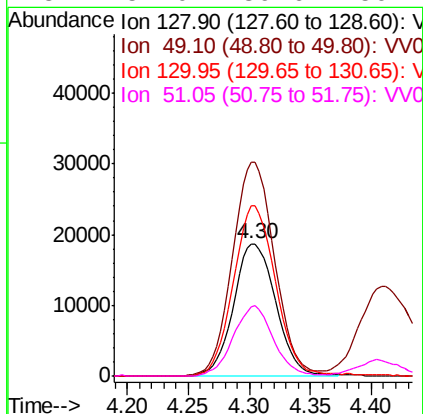
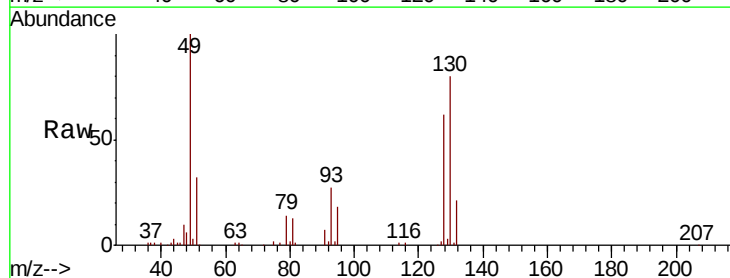
Tot Ion: 96 Resp: 97794
 Ion Ratio Lower Upper
 96 100
 61 118.8 87.1 161.7
 68 0.0 0.0 0.0

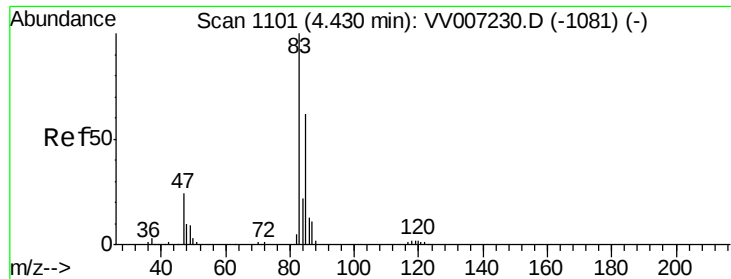


#23

Bromochloromethane
 Concen: 5.224 ug/L
 RT: 4.30 min Scan# 1061
 Delta R.T. 0.00 min
 Lab File: VV007247.D
 Acq: 29 Aug 2018 02:45

Tgt Ion: 128 Resp: 44834
 Ion Ratio Lower Upper
 128 100
 49 161.1 111.1 206.3
 130 128.1 90.0 167.2
 51 52.0 39.6 59.4

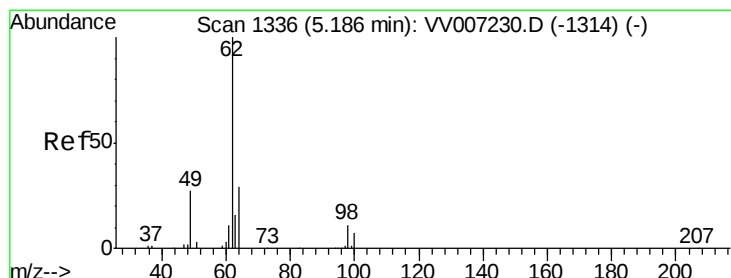
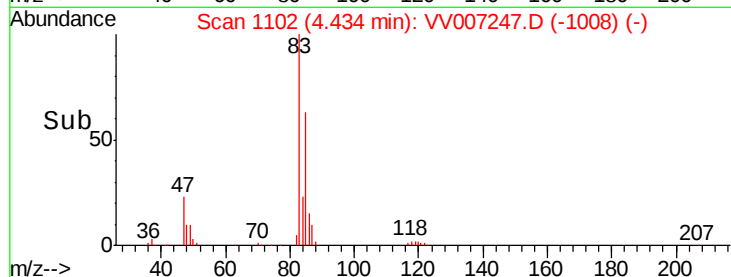
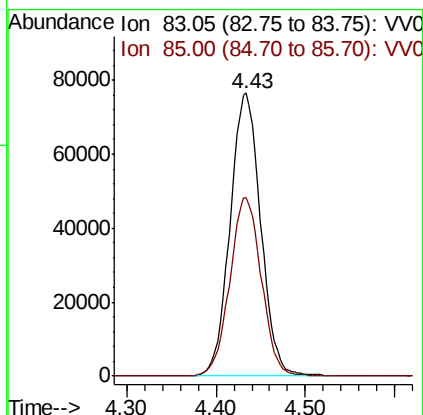
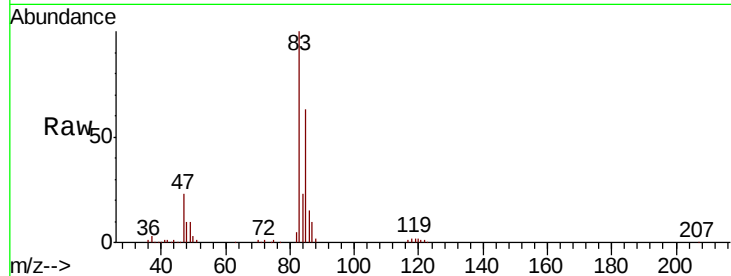




#25
Chloroform
Concen: 5.407 ug/L
RT: 4.43 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV007247.D
Acq: 29 Aug 2018 02:45

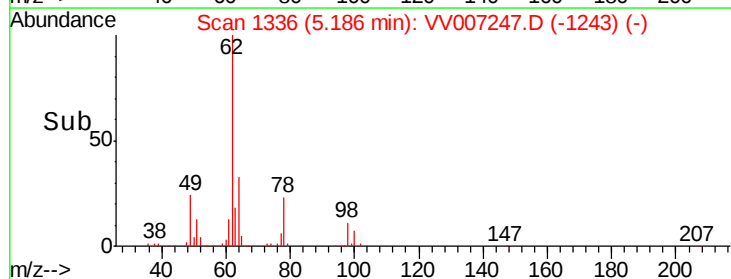
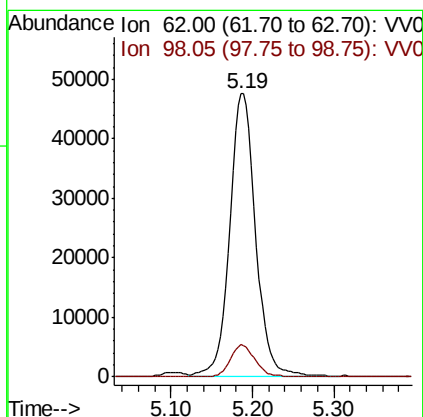
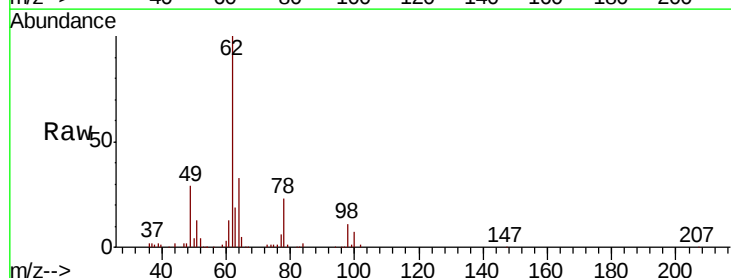
Instrument :
MSVOA_V
ClientSampleId :
VSTD00564

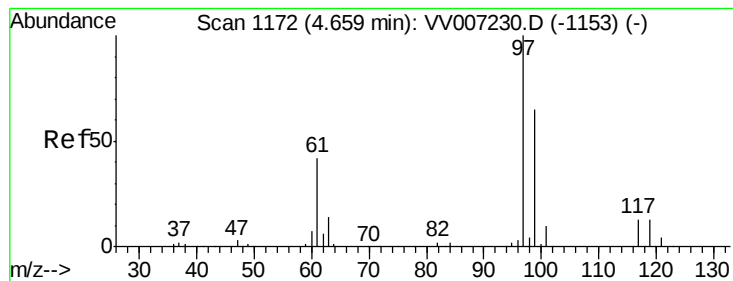
Tot Ion: 83 Resp: 181953
Ion Ratio Lower Upper
83 100
85 63.1 45.0 83.6



#27
1,2-Dichloroethane
Concen: 5.356 ug/L
RT: 5.19 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VV007247.D
Acq: 29 Aug 2018 02:45

Tgt Ion: 62 Resp: 105969
Ion Ratio Lower Upper
62 100
98 11.3 8.1 12.1





#29

1,1,1-Trichloroethane

Concen: 5.202 ug/L

RT: 4.66 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VV007247.D

Acq: 29 Aug 2018 02:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD00564

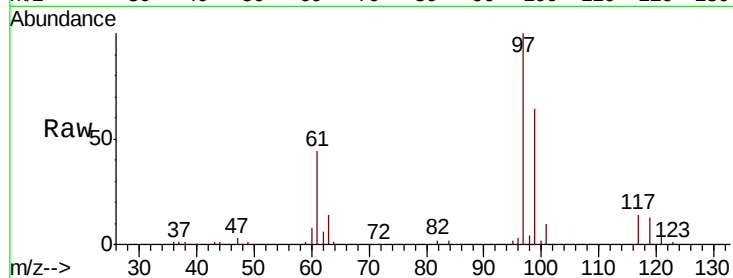
Tot Ion: 97 Resp: 149350

Ion Ratio Lower Upper

97 100

99 64.9 50.8 76.2

61 43.9 34.6 51.8

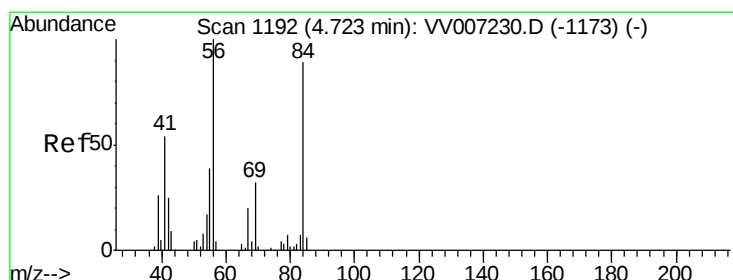
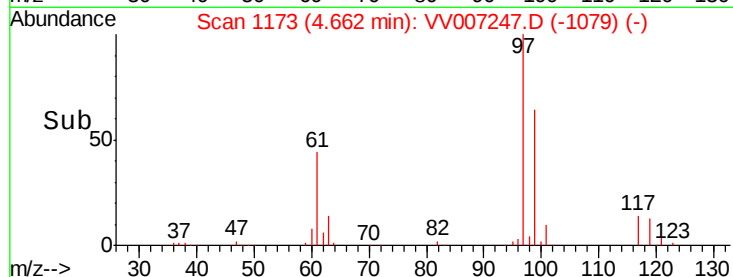
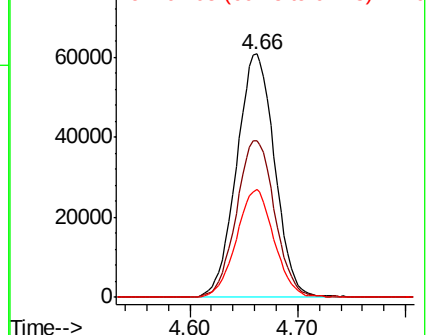


Abundance

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: 4.871 ug/L

RT: 4.73 min Scan# 1193

Delta R.T. 0.00 min

Lab File: VV007247.D

Acq: 29 Aug 2018 02:45

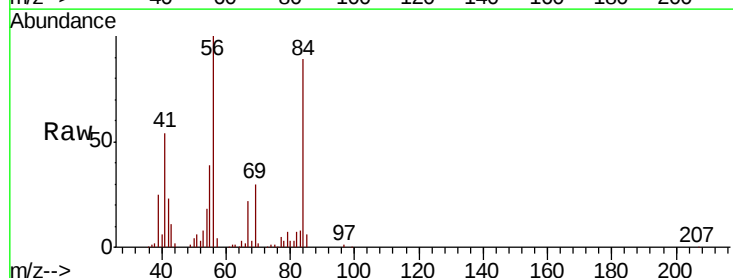
Tgt Ion: 56 Resp: 123061

Ion Ratio Lower Upper

56 100

69 29.6 24.8 37.2

84 89.1 72.9 109.3

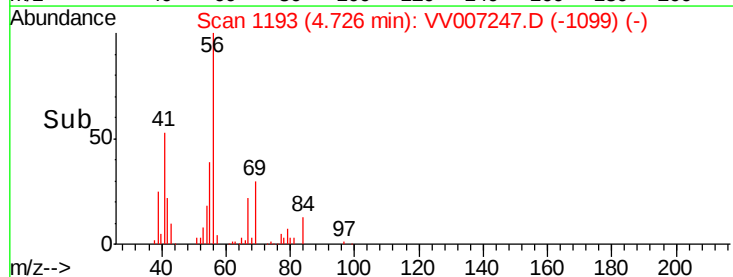
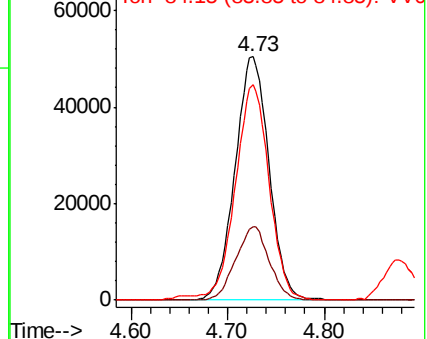


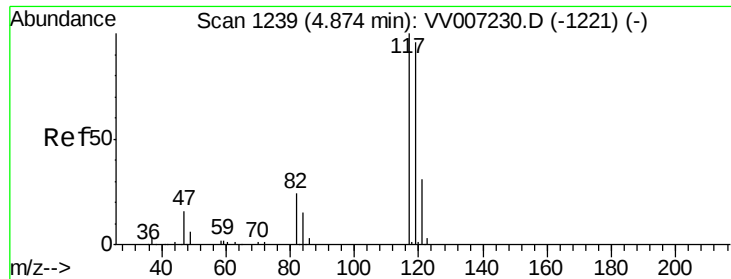
Abundance

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: 5.222 ug/L

RT: 4.88 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VV007247.D

Acq: 29 Aug 2018 02:45

Instrument :

MSVOA_V

ClientSampleId :

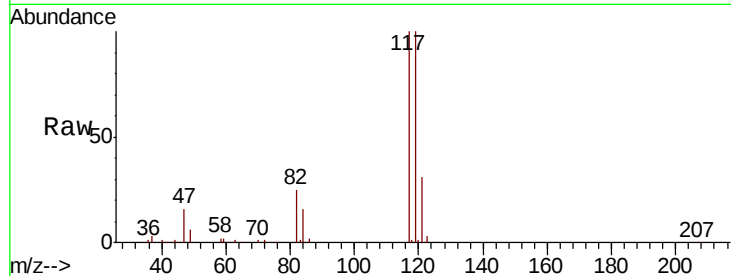
VSTD00564

Tot Ion:117 Resp: 126986

Ion Ratio Lower Upper

117 100

119 96.4 77.2 115.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.88

60000

50000

40000

30000

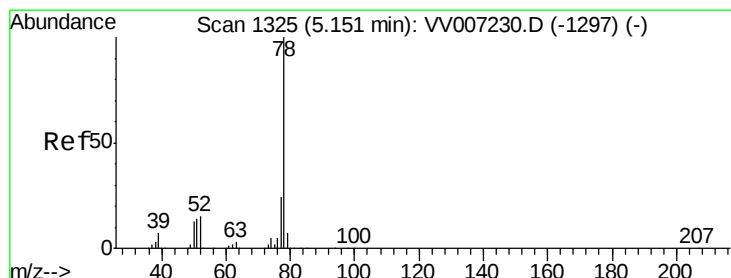
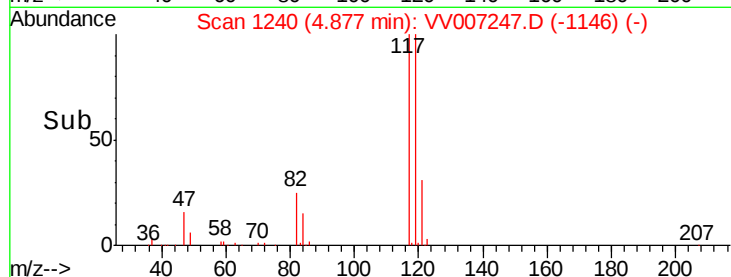
20000

10000

0

Time-->

4.80 4.90 5.00



#33

Benzene

Concen: 5.194 ug/L

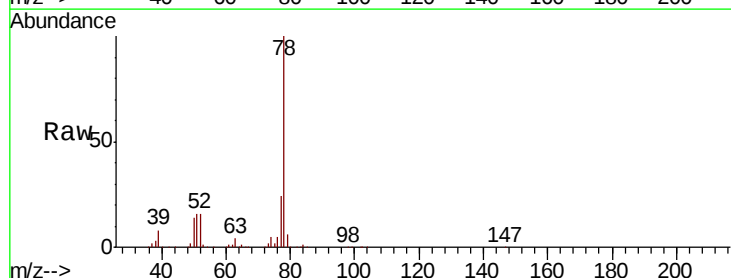
RT: 5.15 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VV007247.D

Acq: 29 Aug 2018 02:45

Tgt Ion: 78 Resp: 379115



Abundance Ion 78.10 (77.80 to 78.80): VV0

200000

150000

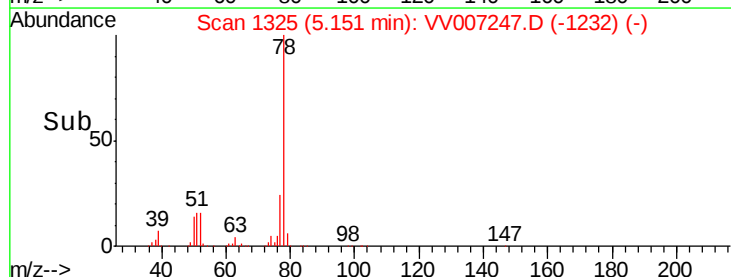
100000

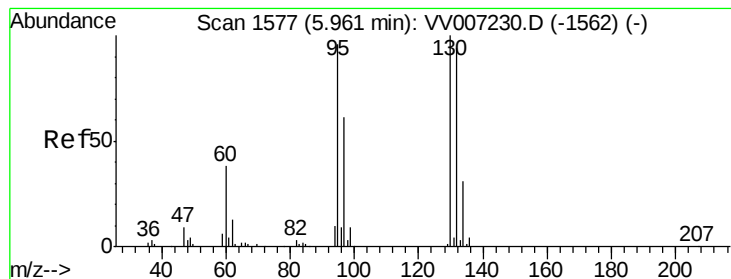
50000

0

Time-->

5.00 5.10 5.20





#34

Trichloroethene

Concen: 5.005 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VV007247.D

Acq: 29 Aug 2018 02:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD00564

Tot Ion: 95 Resp: 92143

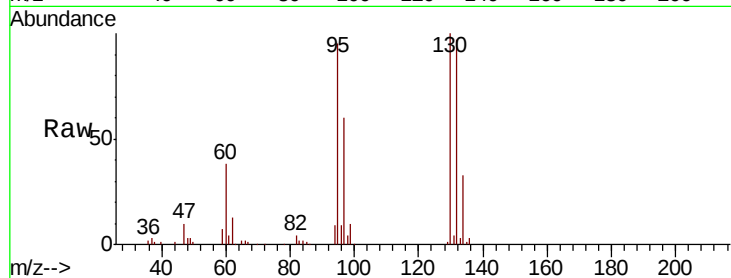
Ion Ratio Lower Upper

95 100

97 62.8 44.2 82.2

132 101.9 71.3 132.3

130 105.3 72.8 135.2

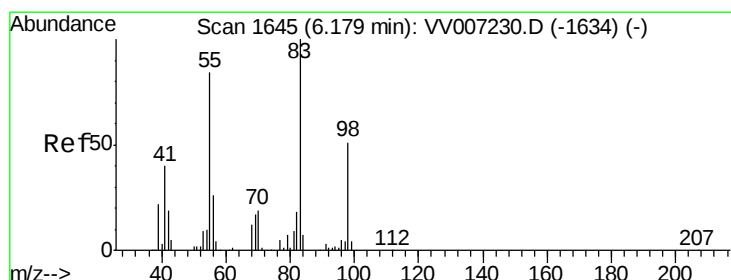
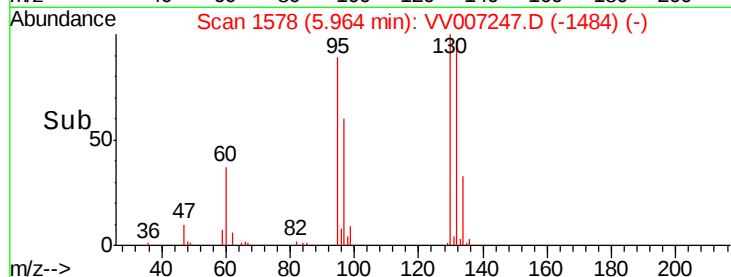
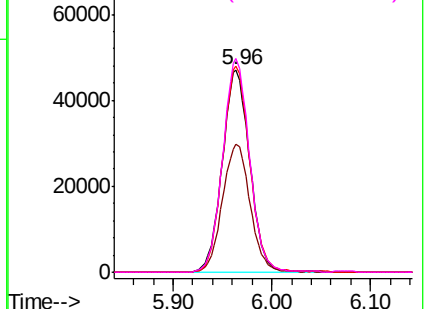


Abundance Ion 95.00 (94.70 to 95.70): VV007230.D (-1562) (-)

Ion 96.95 (96.65 to 97.65): VV007230.D (-1562) (-)

Ion 131.95 (131.65 to 132.65): VV007230.D (-1562) (-)

Ion 129.95 (129.65 to 130.65): VV007230.D (-1562) (-)



#35

Methylcyclohexane

Concen: 4.801 ug/L

RT: 6.18 min Scan# 1645

Delta R.T. 0.00 min

Lab File: VV007247.D

Acq: 29 Aug 2018 02:45

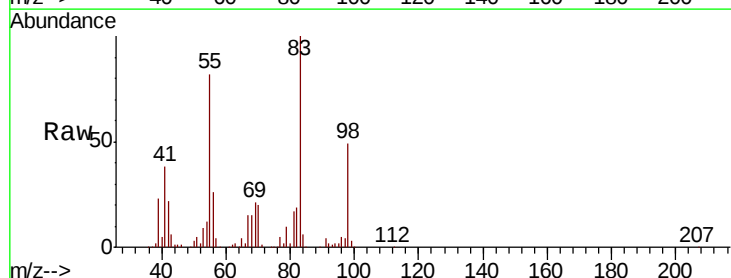
Tgt Ion: 83 Resp: 129260

Ion Ratio Lower Upper

83 100

55 79.7 64.0 96.0

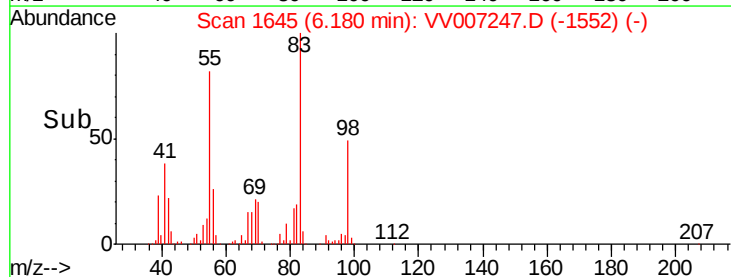
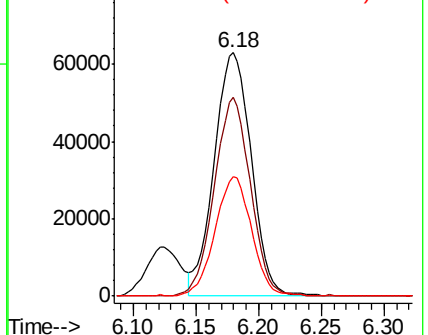
98 48.6 38.8 58.2

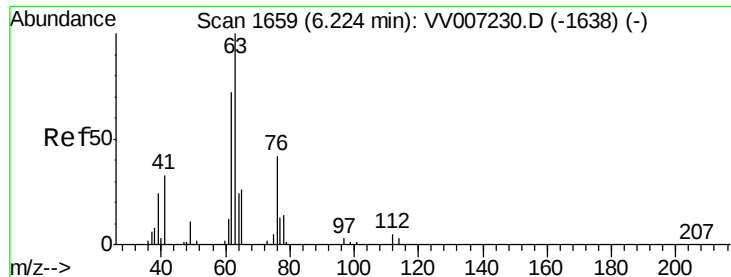


Abundance Ion 83.15 (82.85 to 83.85): VV007230.D (-1634) (-)

Ion 55.10 (54.80 to 55.80): VV007230.D (-1634) (-)

Ion 98.15 (97.85 to 98.85): VV007230.D (-1634) (-)





#37

1,2-Dichloropropane

Concen: 5.335 ug/L

RT: 6.23 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VV007247.D

Acq: 29 Aug 2018 02:45

Instrument :

MSVOA_V

ClientSampleId :

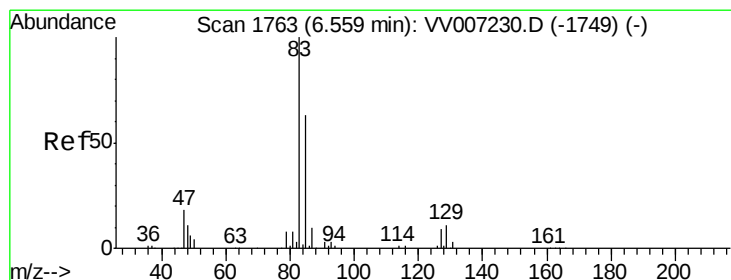
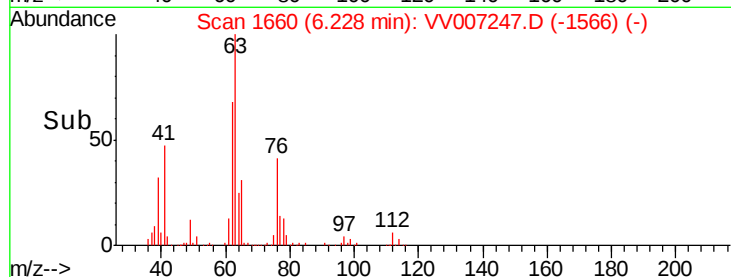
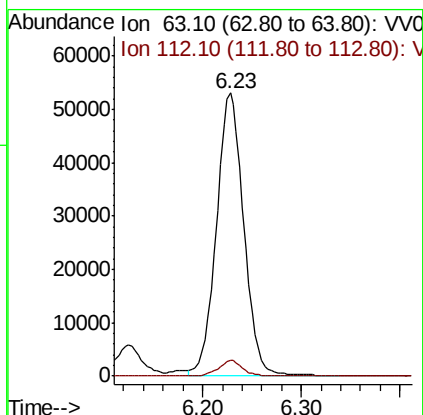
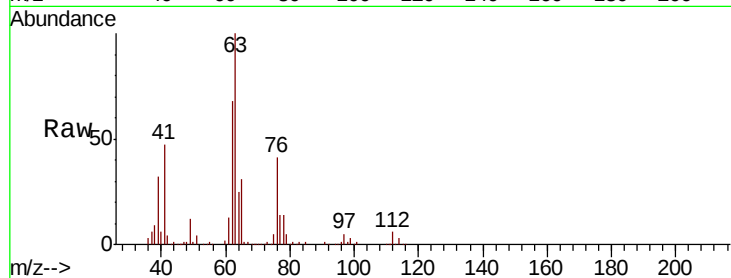
VSTD00564

Tot Ion: 63 Resp: 103356

Ion Ratio Lower Upper

63 100

112 4.9 3.9 5.9



#38

Bromodichloromethane

Concen: 5.242 ug/L

RT: 6.56 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VV007247.D

Acq: 29 Aug 2018 02:45

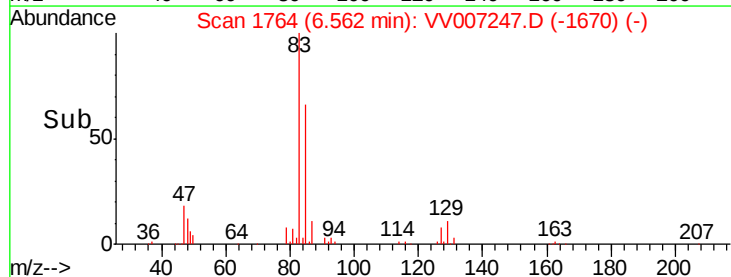
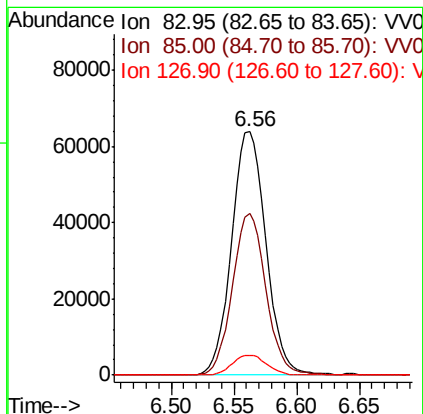
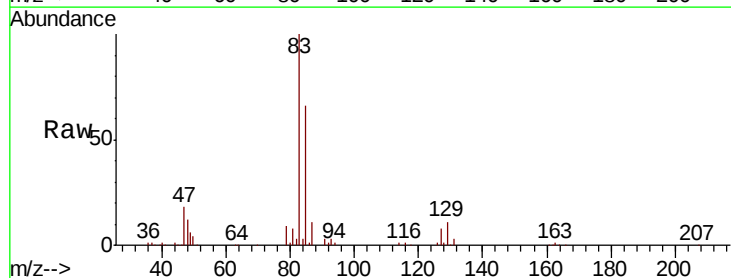
Tgt Ion: 83 Resp: 121765

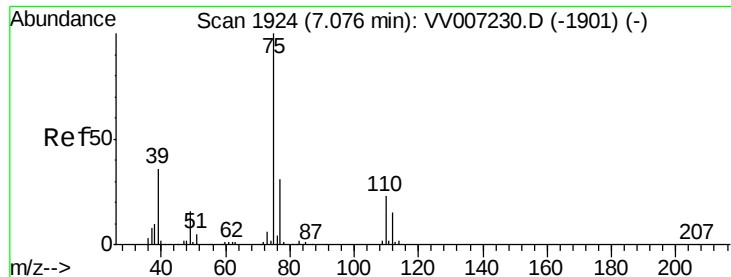
Ion Ratio Lower Upper

83 100

85 66.3 46.5 86.5

127 8.3 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 4.657 ug/L

RT: 7.08 min Scan# 1924

Delta R.T. 0.00 min

Lab File: VV007247.D

Acq: 29 Aug 2018 02:45

Instrument :

MSVOA_V

ClientSampleId :

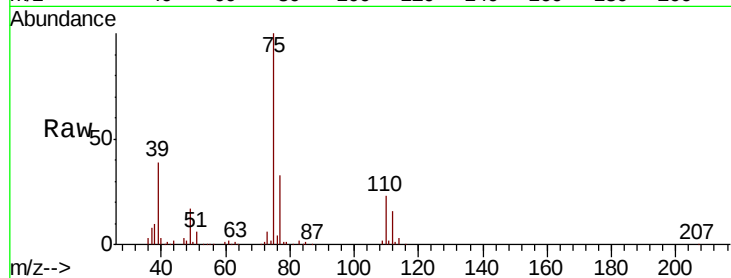
VSTD00564

Tot Ion: 75 Resp: 111913

Ion Ratio Lower Upper

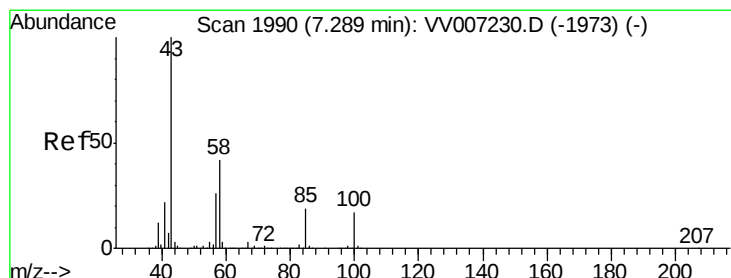
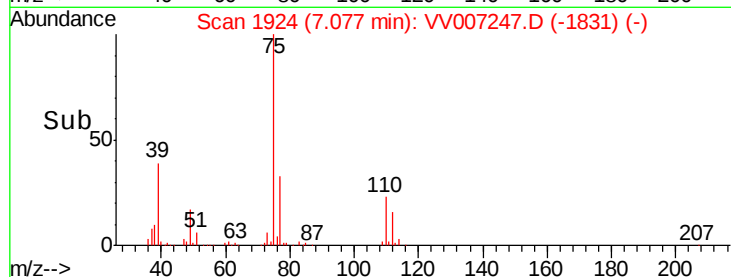
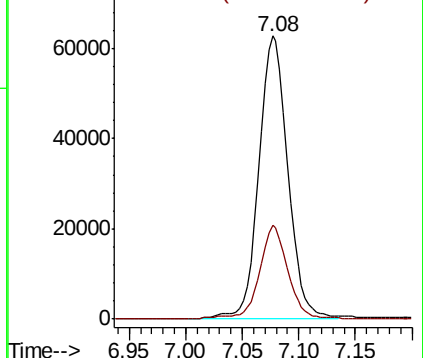
75 100

77 33.2 22.2 41.2



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#40

4-Methyl-2-pentanone

Concen: 54.665 ug/L

RT: 7.29 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VV007247.D

Acq: 29 Aug 2018 02:45

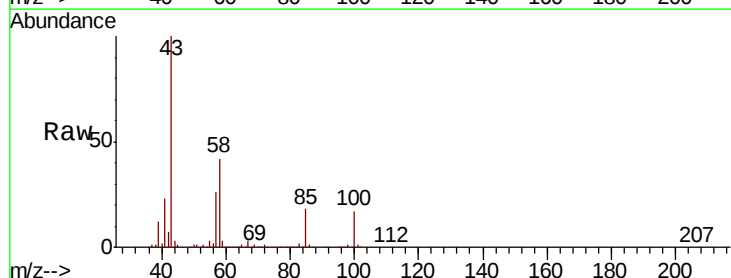
Tgt Ion: 43 Resp: 554633

Ion Ratio Lower Upper

43 100

58 40.4 33.8 50.8

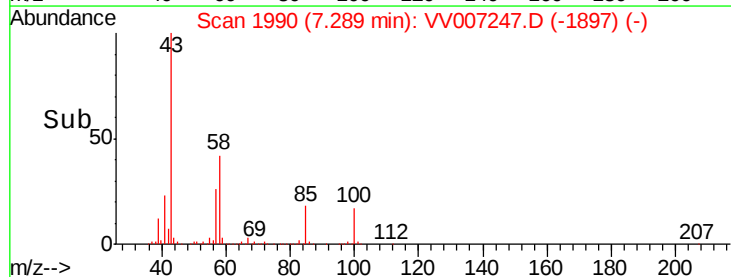
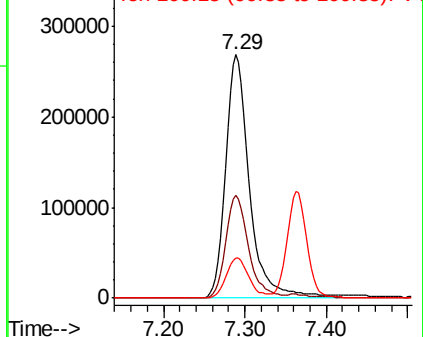
100 15.8 13.1 19.7

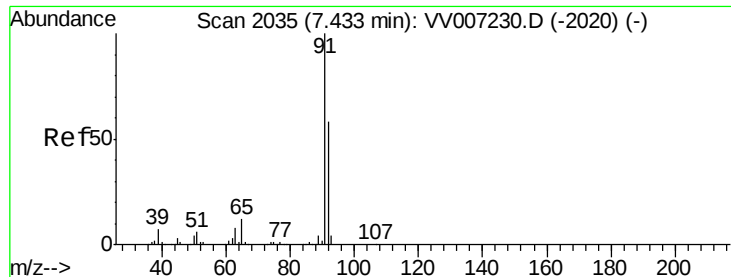


Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 100.15 (99.85 to 100.85): VV0





#42

Toluene

Concen: 5.489 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV007247.D

Acq: 29 Aug 2018 02:45

Instrument :

MSVOA_V

ClientSampleId :

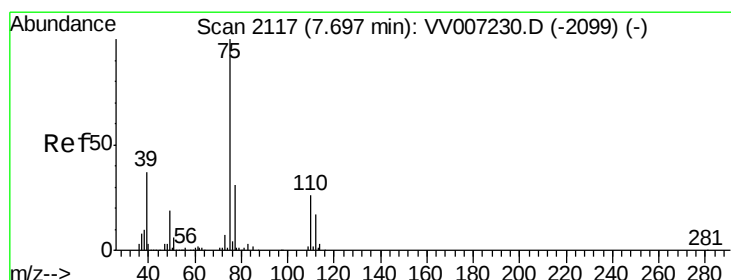
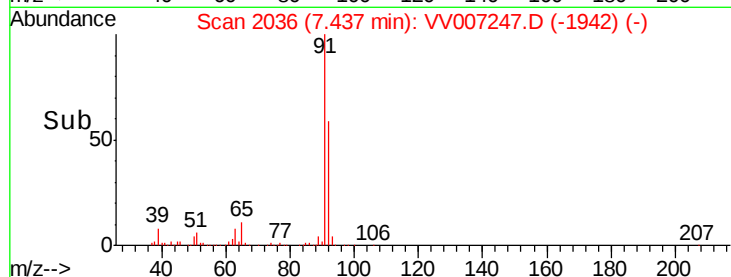
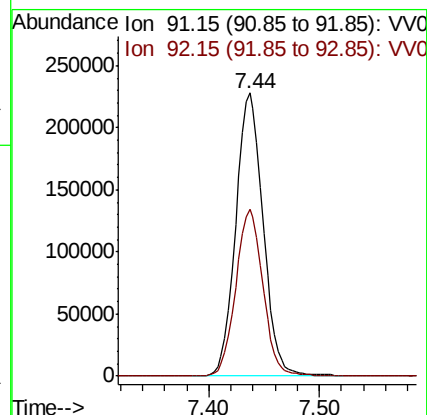
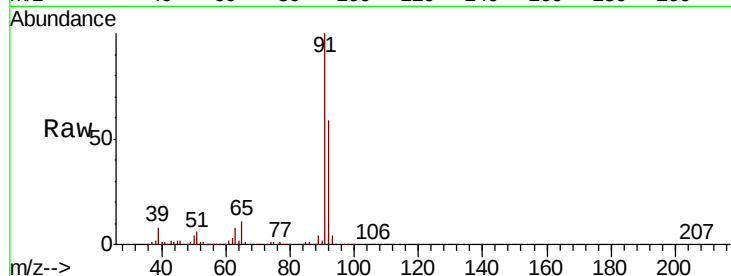
VSTD00564

Tot Ion: 91 Resp: 393359

Ion Ratio Lower Upper

91 100

92 58.7 41.1 76.3



#44

trans-1,3-Dichloropropene

Concen: 4.844 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV007247.D

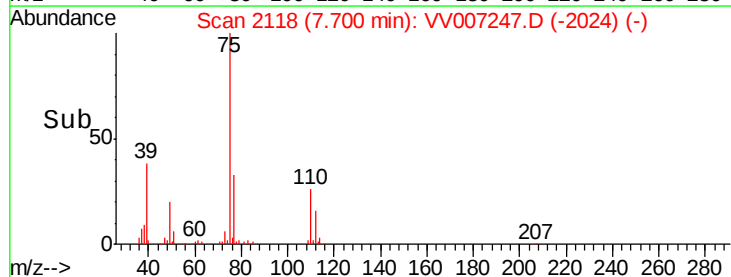
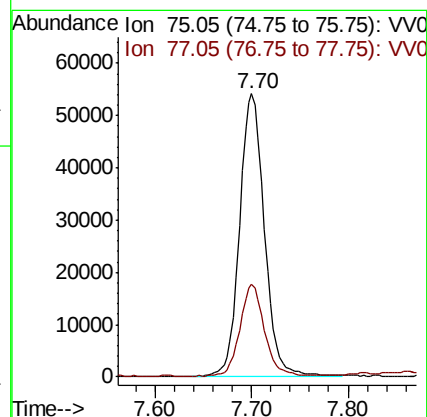
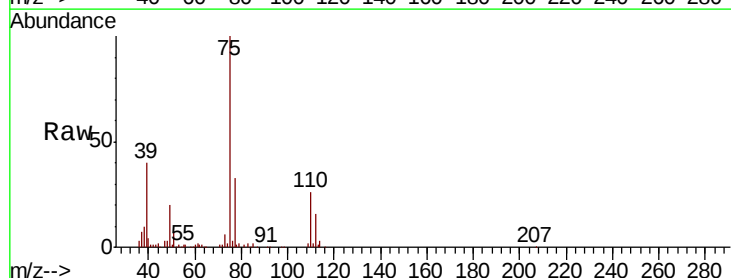
Acq: 29 Aug 2018 02:45

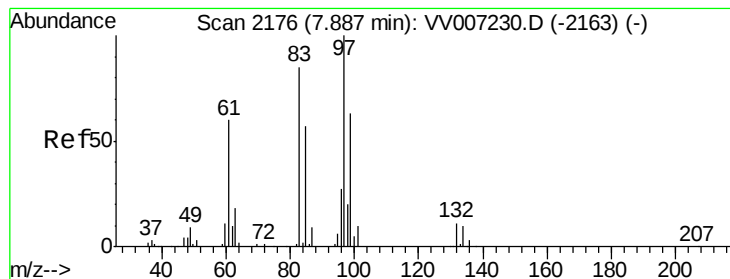
Tgt Ion: 75 Resp: 97091

Ion Ratio Lower Upper

75 100

77 32.9 22.5 41.9





#45

1,1,2-Trichloroethane

Concen: 5.231 ug/L

RT: 7.89 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VV007247.D

Acq: 29 Aug 2018 02:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD00564

Tot Ion: 97 Resp: 73053

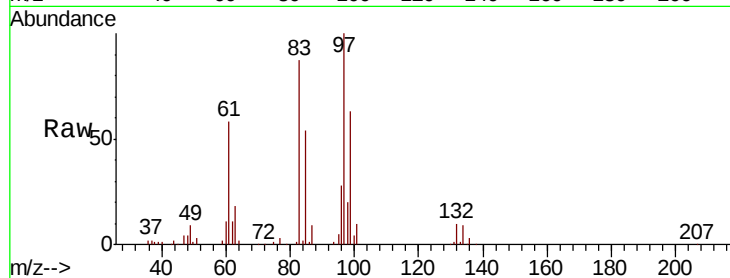
Ion Ratio Lower Upper

97 100

99 62.8 42.6 79.0

83 87.0 57.3 106.3

85 54.4 38.3 71.1

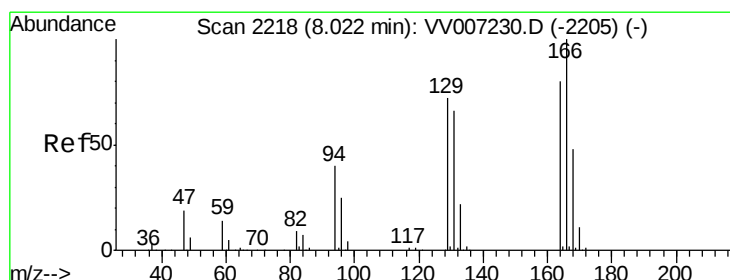
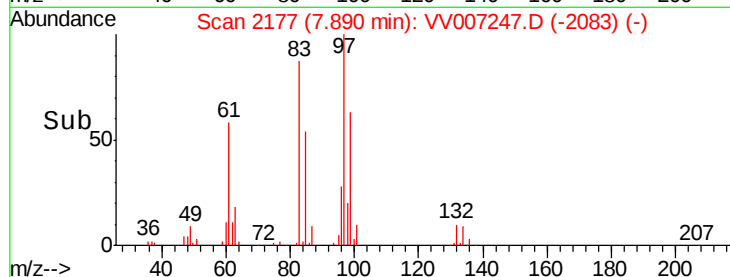
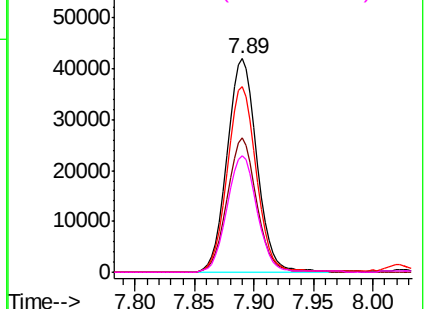


Abundance Ion 96.95 (96.65 to 97.65): VV0

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: 5.085 ug/L

RT: 8.02 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VV007247.D

Acq: 29 Aug 2018 02:45

Tgt Ion: 164 Resp: 77368

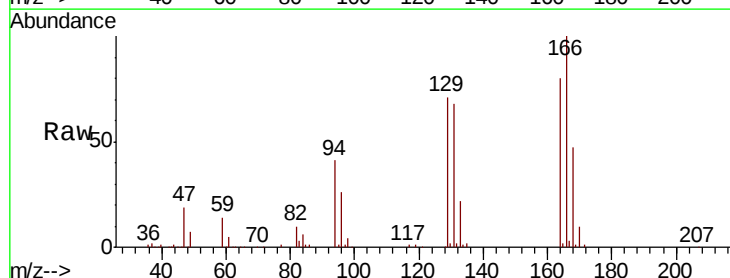
Ion Ratio Lower Upper

164 100

129 89.3 62.7 116.5

131 85.6 60.1 111.7

166 125.0 86.4 160.4

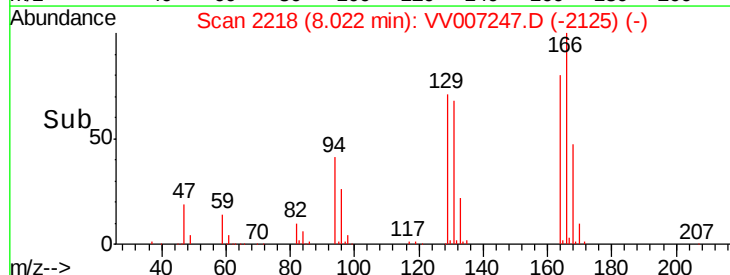
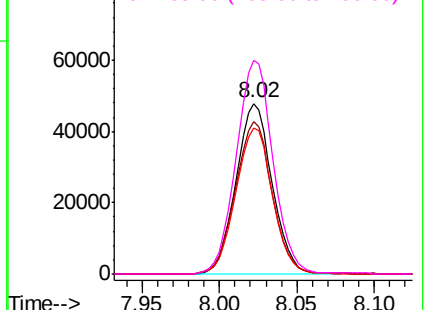


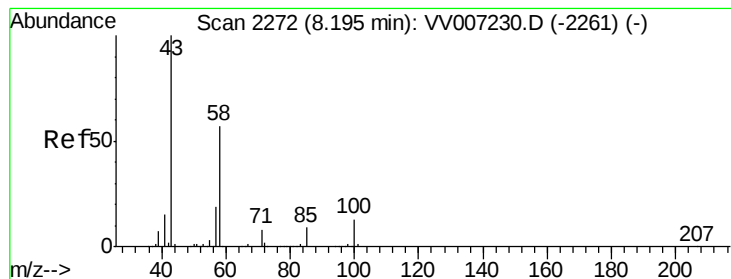
Abundance Ion 163.90 (163.60 to 164.60): V

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: 59.937 ug/L

RT: 8.20 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VV007247.D

Acq: 29 Aug 2018 02:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD00564

Tot Ion: 43 Resp: 453829

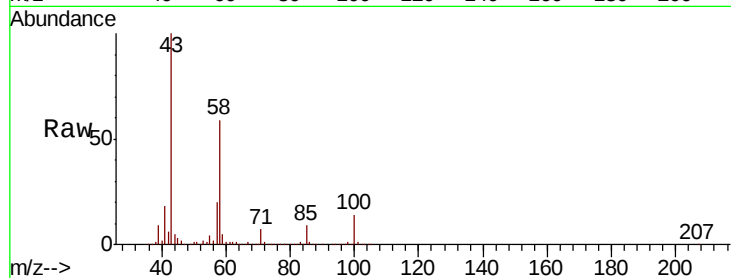
Ion Ratio Lower Upper

43 100

58 61.5 50.0 75.0

57 19.5 16.6 25.0

100 13.4 10.2 15.4

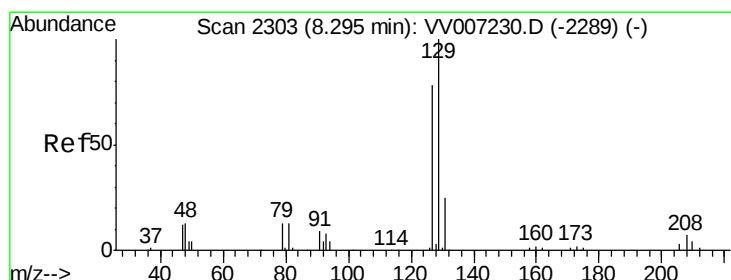
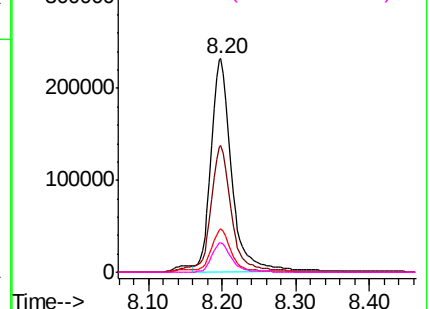
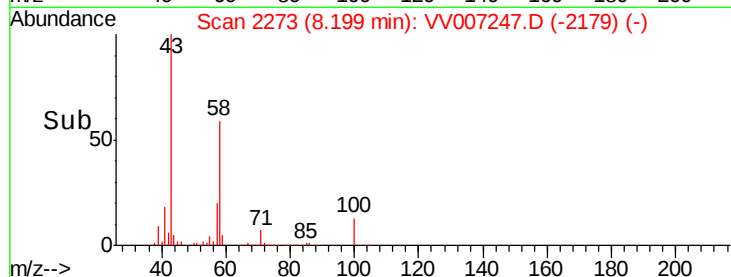


Abundance Ion 43.05 (42.75 to 43.75): VV007230.D (-2261) (-)

Ion 58.05 (57.75 to 58.75): VV007230.D (-2261) (-)

Ion 57.20 (56.90 to 57.90): VV007230.D (-2261) (-)

Ion 100.15 (99.85 to 100.85): VV007230.D (-2261) (-)



#49

Dibromochloromethane

Concen: 5.196 ug/L

RT: 8.30 min Scan# 2303

Delta R.T. 0.00 min

Lab File: VV007247.D

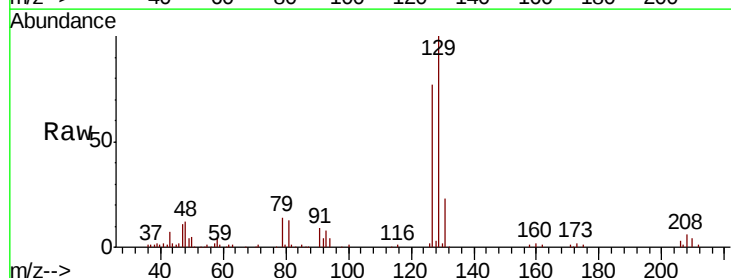
Acq: 29 Aug 2018 02:45

Tgt Ion: 129 Resp: 81664

Ion Ratio Lower Upper

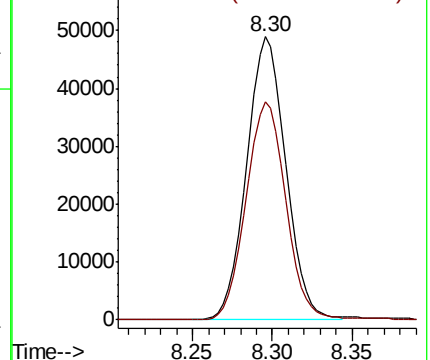
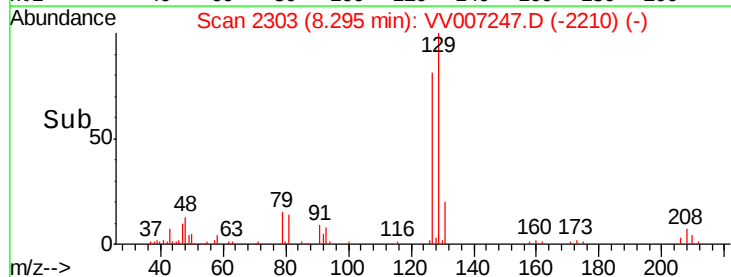
129 100

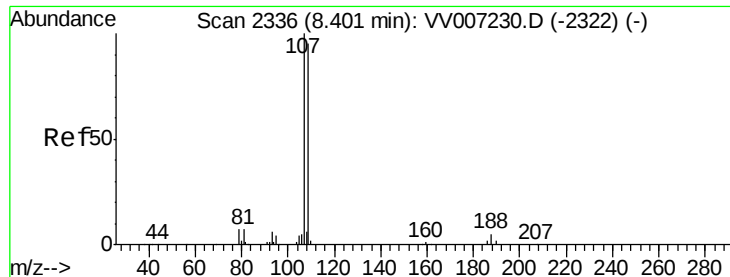
127 77.1 54.9 101.9



Abundance Ion 128.95 (128.65 to 129.65): VV007230.D (-2289) (-)

Ion 126.90 (126.60 to 127.60): VV007230.D (-2289) (-)

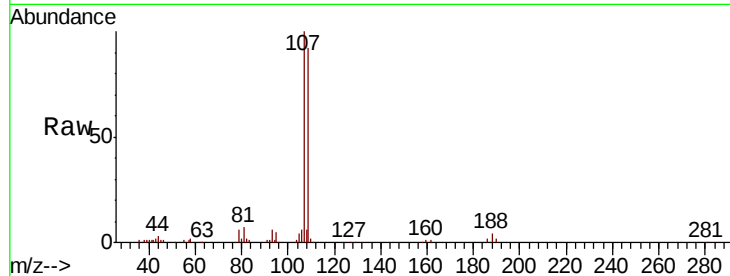




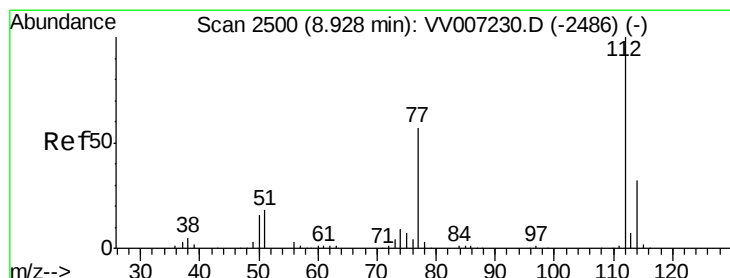
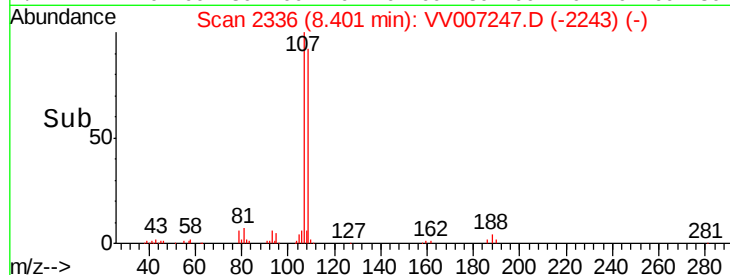
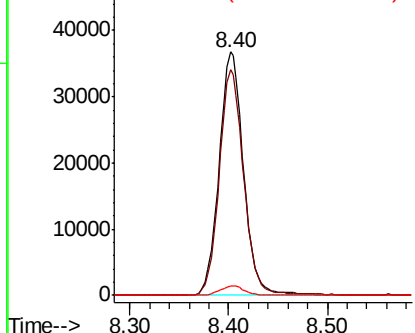
#50
 1,2-Dibromoethane
 Concen: 5.349 ug/L
 RT: 8.40 min Scan# 2336
 Delta R.T. 0.00 min
 Lab File: VV007247.D
 Acq: 29 Aug 2018 02:45

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00564

Tot Ion:107 Resp: 63862
 Ion Ratio Lower Upper
 107 100
 109 92.5 65.9 122.3
 188 3.7 3.5 5.3

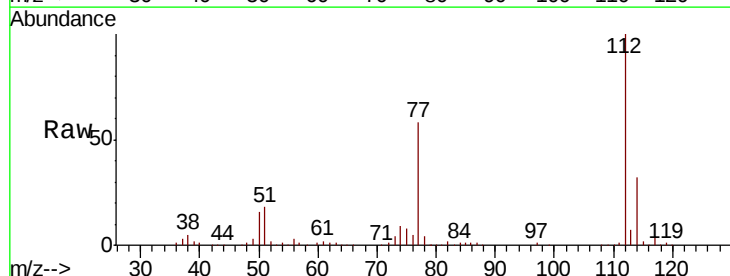


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

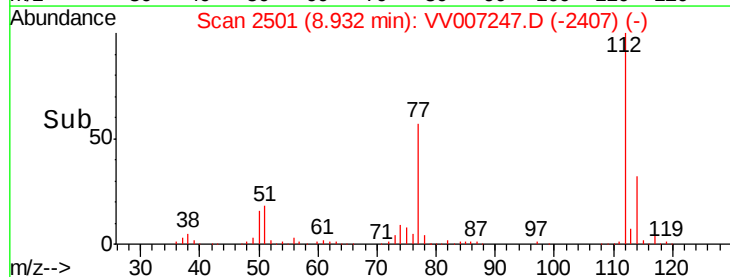
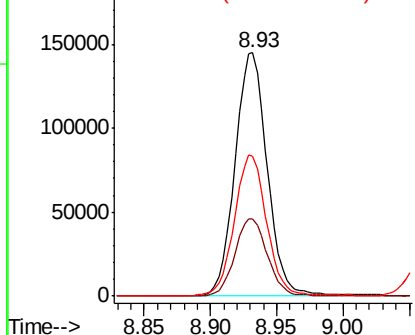


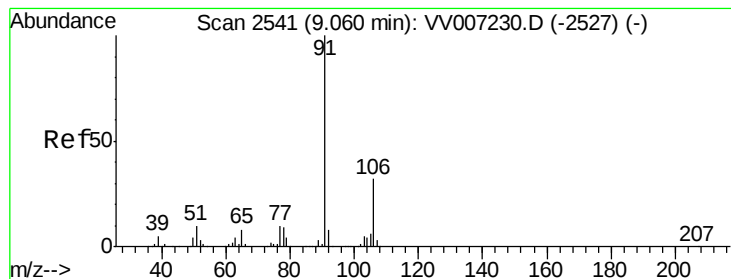
#51
 Chlorobenzene
 Concen: 5.006 ug/L
 RT: 8.93 min Scan# 2501
 Delta R.T. 0.00 min
 Lab File: VV007247.D
 Acq: 29 Aug 2018 02:45

Tgt Ion:112 Resp: 243904
 Ion Ratio Lower Upper
 112 100
 114 31.7 22.0 41.0
 77 57.6 45.9 68.9



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: 5.058 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV007247.D

Acq: 29 Aug 2018 02:45

Instrument :

MSVOA_V

ClientSampleId :

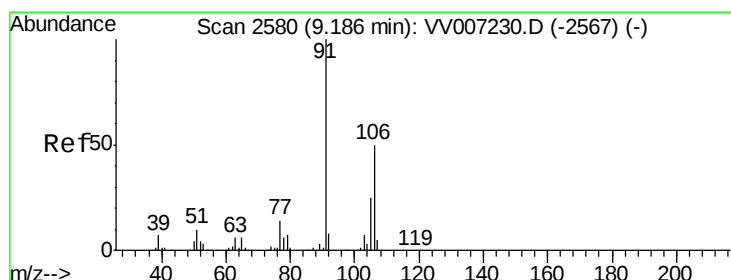
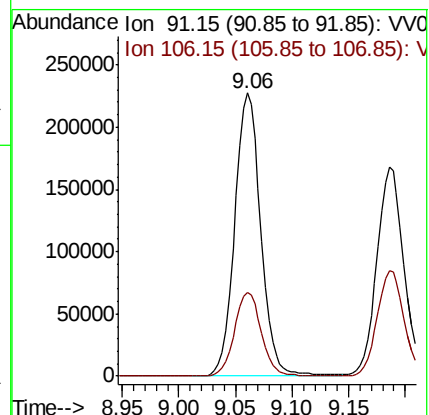
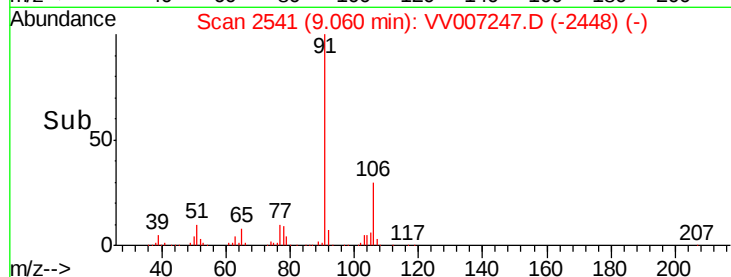
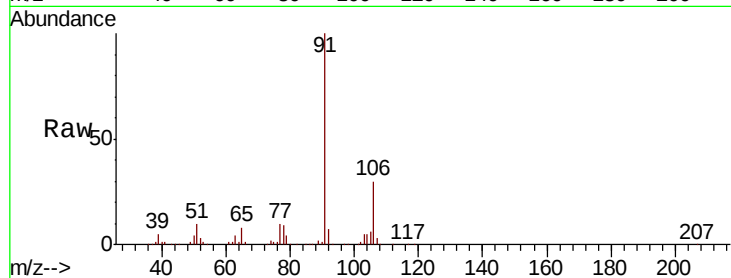
VSTD00564

Tot Ion: 91 Resp: 364130

Ion Ratio Lower Upper

91 100

106 29.7 22.3 41.3



#53

m,p-xylene

Concen: 5.087 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV007247.D

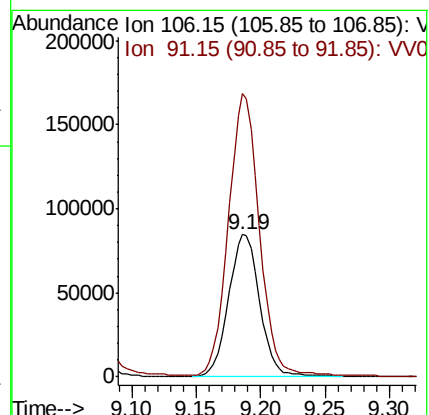
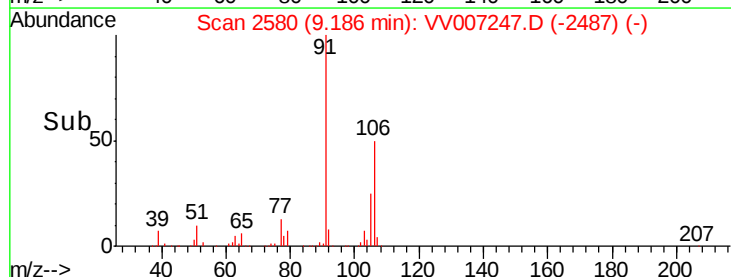
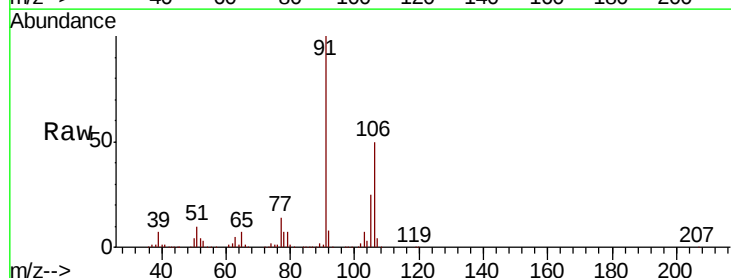
Acq: 29 Aug 2018 02:45

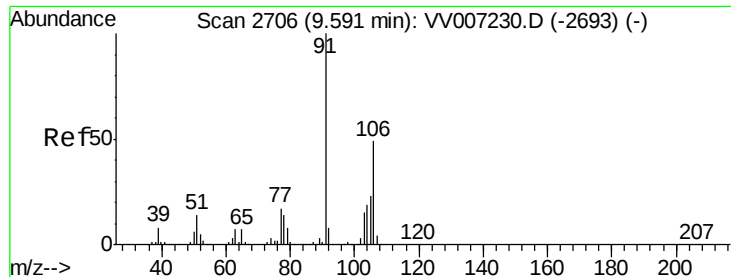
Tgt Ion: 106 Resp: 139451

Ion Ratio Lower Upper

106 100

91 198.9 138.4 257.0





#54

o-xylene

Concen: 5.172 ug/L

RT: 9.59 min Scan# 2707

Delta R.T. 0.00 min

Lab File: VV007247.D

Acq: 29 Aug 2018 02:45

Instrument :

MSVOA_V

ClientSampleId :

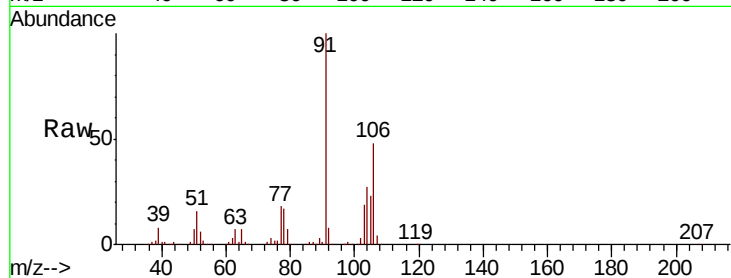
VSTD00564

Tot Ion:106 Resp: 131955

Ion Ratio Lower Upper

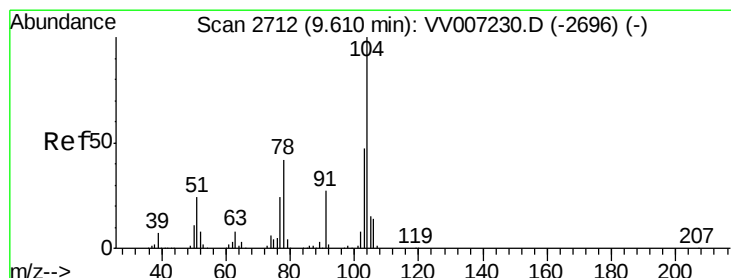
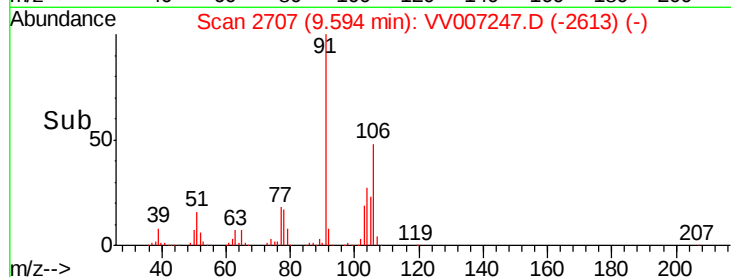
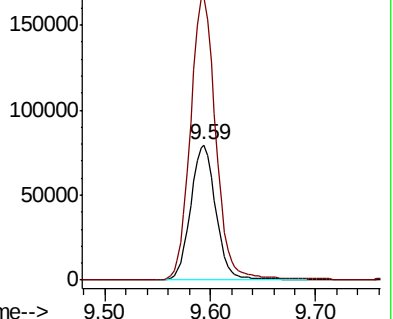
106 100

91 209.4 146.9 272.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.326 ug/L

RT: 9.61 min Scan# 2712

Delta R.T. 0.00 min

Lab File: VV007247.D

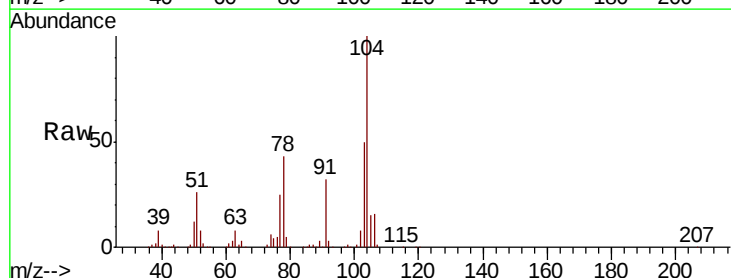
Acq: 29 Aug 2018 02:45

Tgt Ion:104 Resp: 238212

Ion Ratio Lower Upper

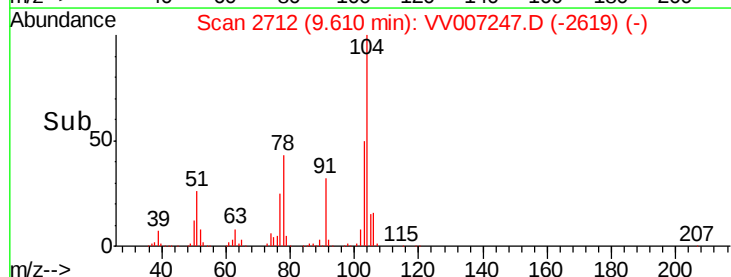
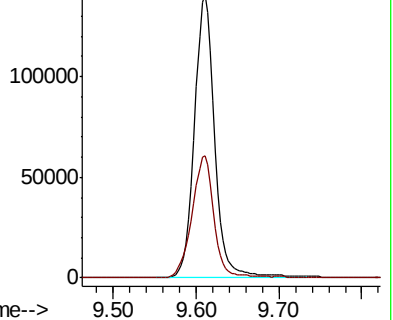
104 100

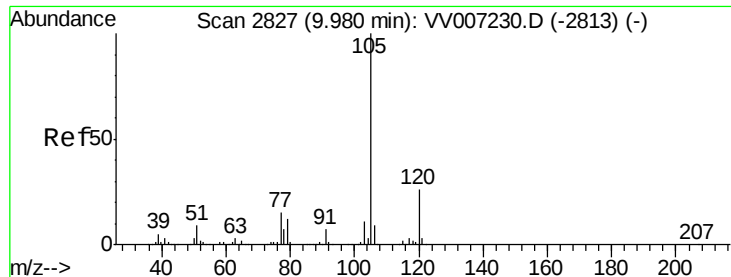
78 43.3 30.2 56.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.170 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VV007247.D

Acq: 29 Aug 2018 02:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD00564

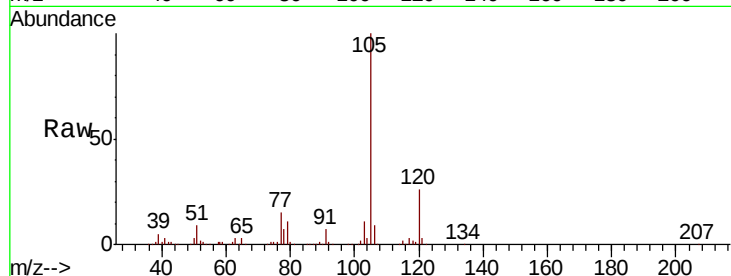
Tot Ion:105 Resp: 350769

Ion Ratio Lower Upper

105 100

120 26.0 21.0 31.4

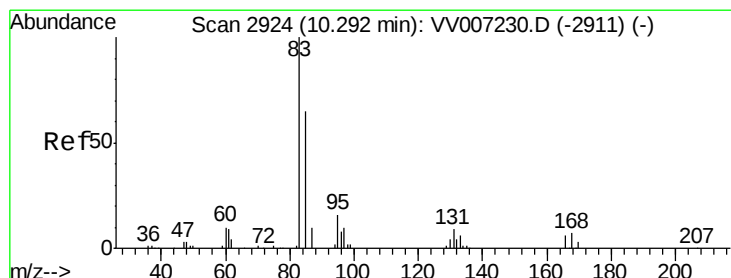
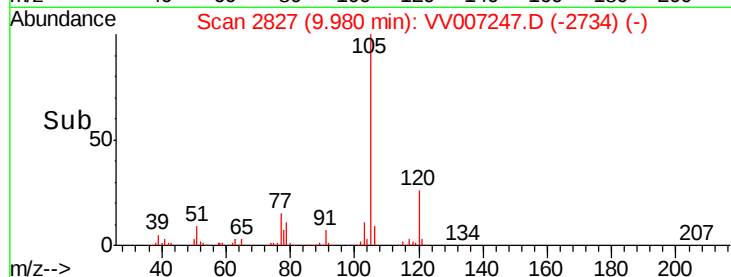
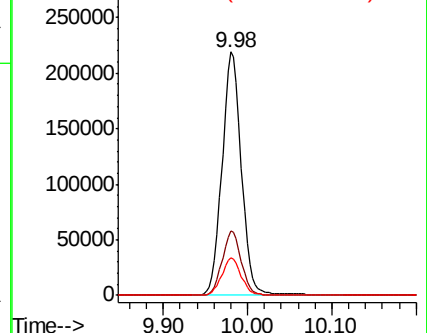
77 15.3 12.1 18.1



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: 5.426 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VV007247.D

Acq: 29 Aug 2018 02:45

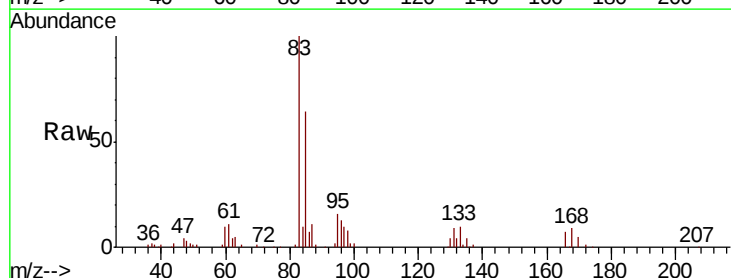
Tgt Ion: 83 Resp: 88631

Ion Ratio Lower Upper

83 100

85 64.2 43.7 81.1

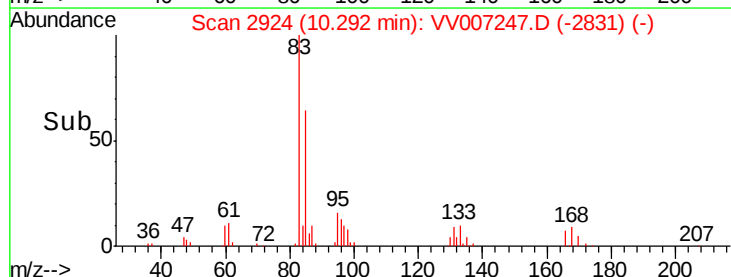
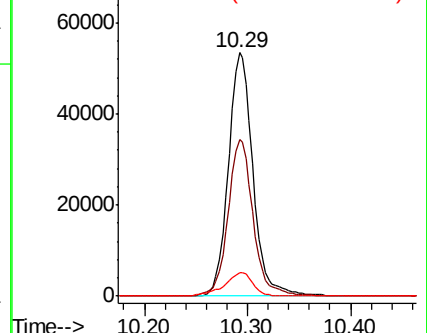
131 9.5 7.7 11.5

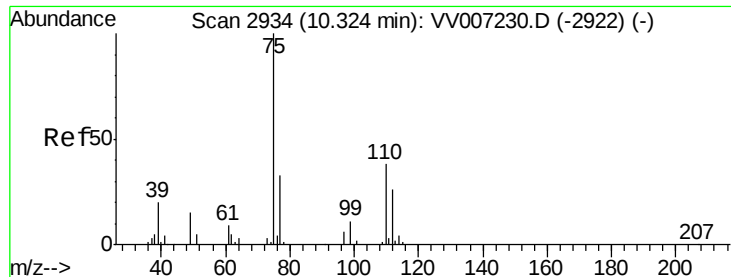


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.401 ug/L

RT: 10.32 min Scan# 2934

Delta R.T. 0.00 min

Lab File: VV007247.D

Acq: 29 Aug 2018 02:45

Instrument :

MSVOA_V

ClientSampleId :

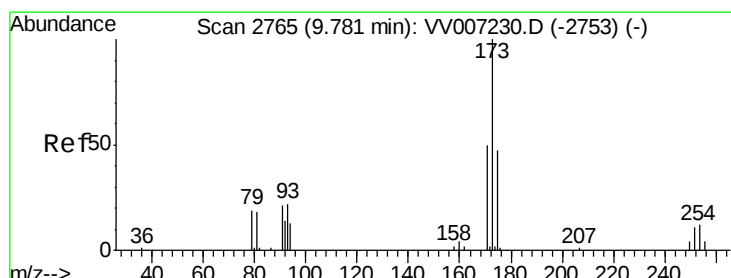
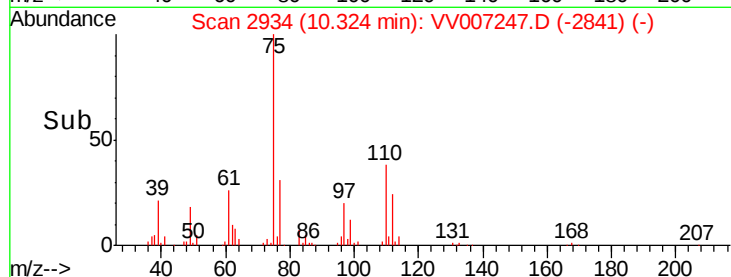
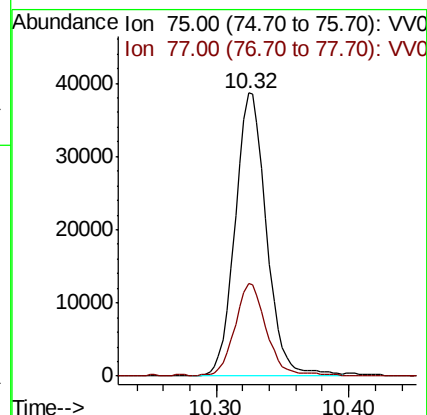
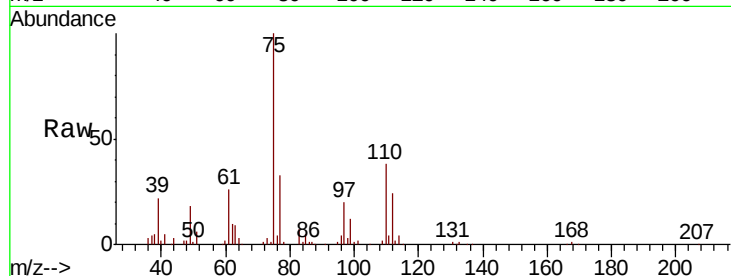
VSTD00564

Tot Ion: 75 Resp: 63565

Ion Ratio Lower Upper

75 100

77 33.2 26.0 39.0



#61

Bromoform

Concen: 5.184 ug/L

RT: 9.78 min Scan# 2765

Delta R.T. 0.00 min

Lab File: VV007247.D

Acq: 29 Aug 2018 02:45

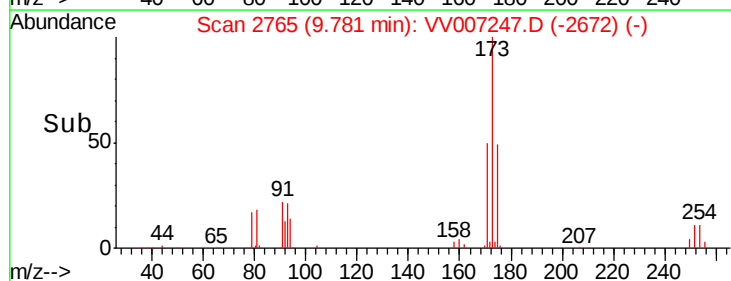
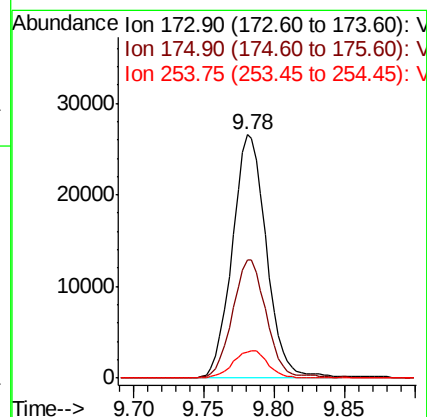
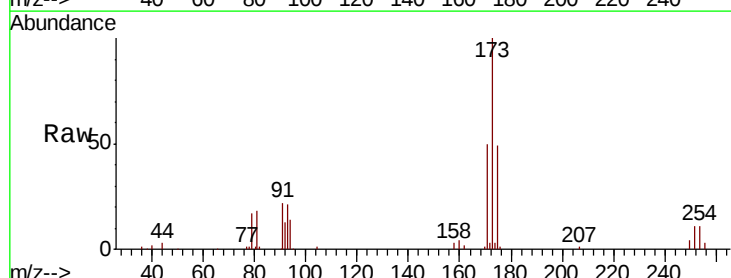
Tgt Ion: 173 Resp: 45024

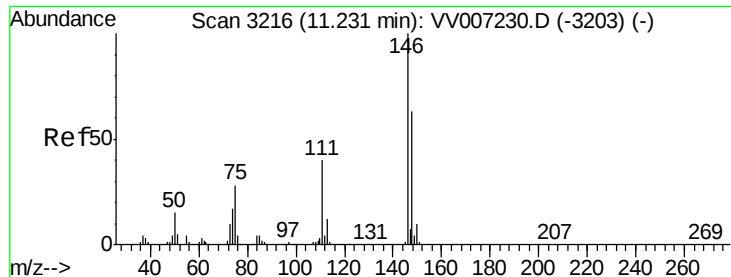
Ion Ratio Lower Upper

173 100

175 48.3 39.3 58.9

254 11.5 8.7 13.1





#62

1,3-Dichlorobenzene

Concen: 4.953 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. 0.00 min

Lab File: VV007247.D

Acq: 29 Aug 2018 02:45

Instrument :

MSVOA_V

ClientSampled :

VSTD00564

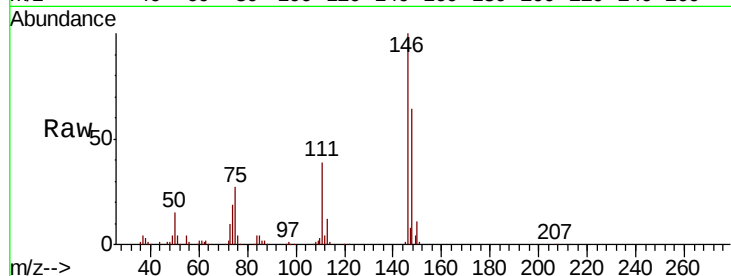
Tot Ion:146 Resp: 171909

Ion Ratio Lower Upper

146 100

111 38.9 27.2 50.4

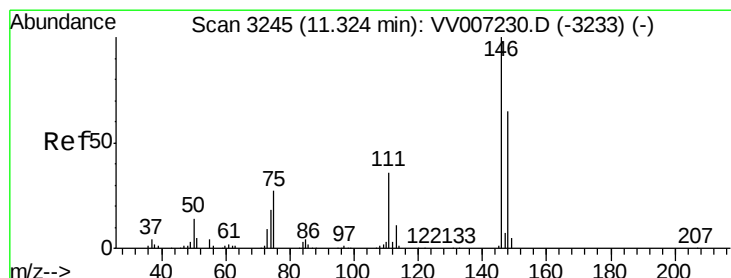
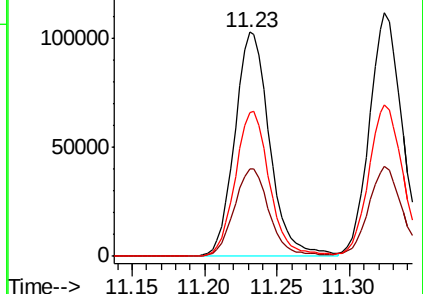
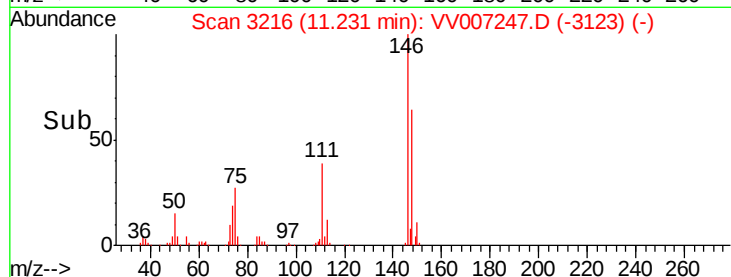
148 64.4 45.0 83.6



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: 4.906 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. 0.00 min

Lab File: VV007247.D

Acq: 29 Aug 2018 02:45

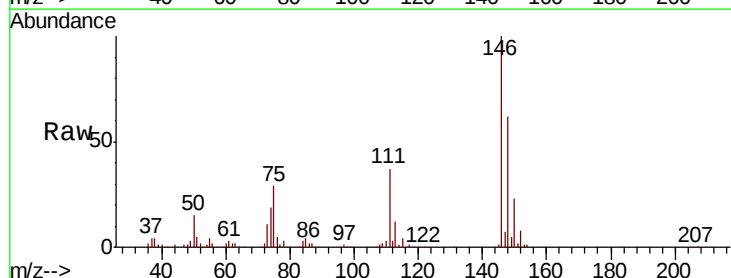
Tgt Ion:146 Resp: 180004

Ion Ratio Lower Upper

146 100

111 36.9 25.4 47.2

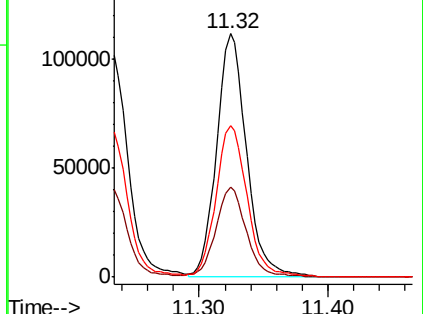
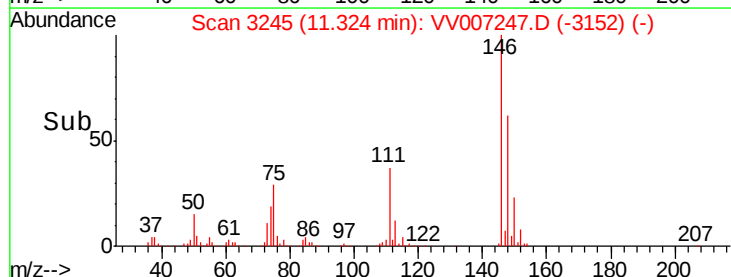
148 62.4 44.3 82.3

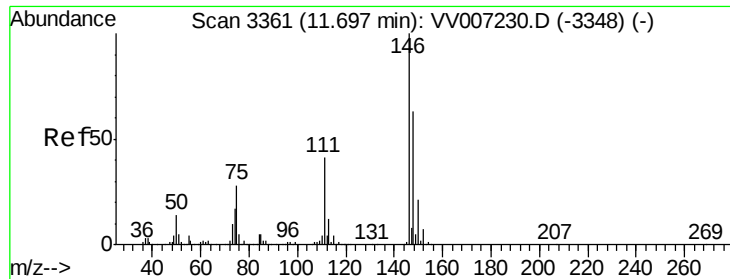


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

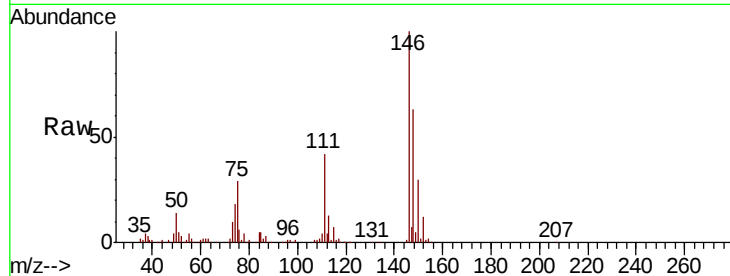




#65
 1,2-Dichlorobenzene
 Concen: 5.180 ug/L
 RT: 11.70 min Scan# 3361
 Delta R.T. 0.00 min
 Lab File: VV007247.D
 Acq: 29 Aug 2018 02:45

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00564

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	33.0	49.6
148	62.9	51.6	77.4

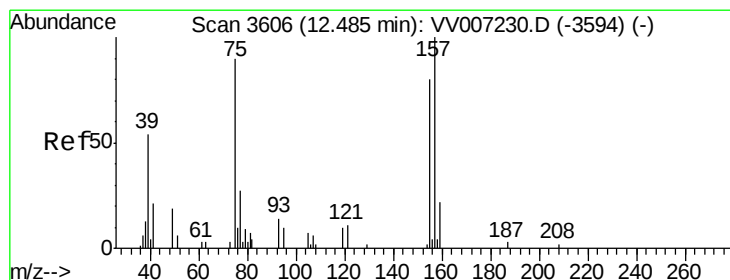
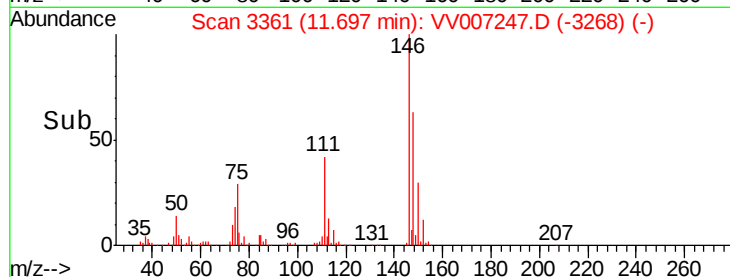
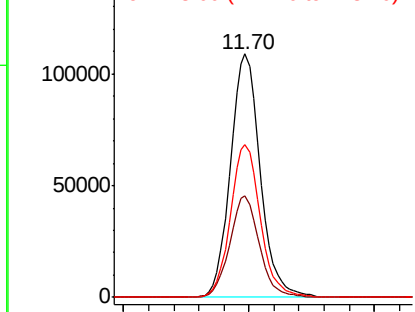


Abundance

Ion 145.95 (145.65 to 146.65): V

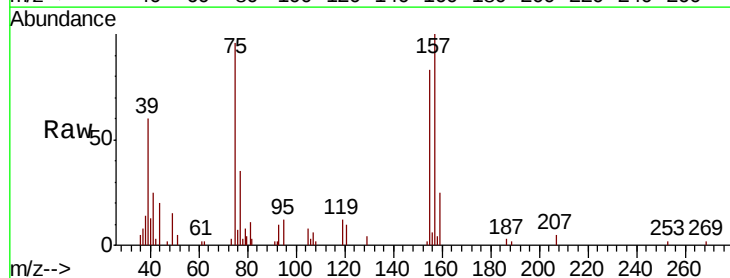
Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.772 ug/L
 RT: 12.48 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VV007247.D
 Acq: 29 Aug 2018 02:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.6	70.4	105.6
157	104.5	94.2	141.2

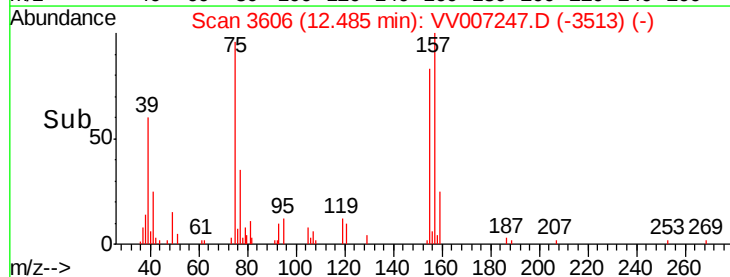
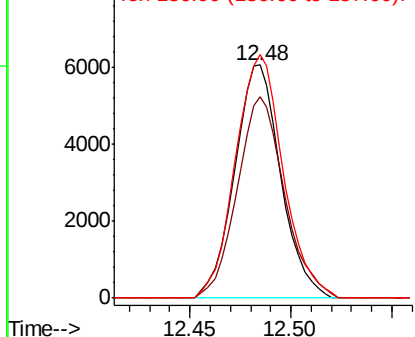


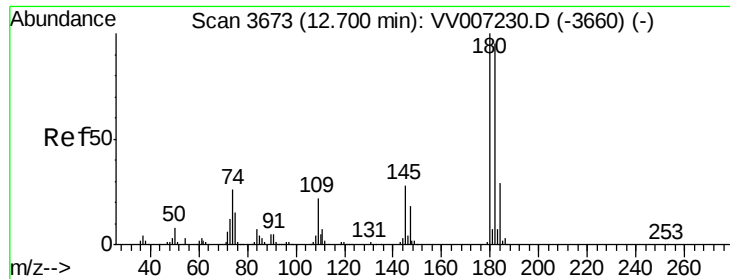
Abundance

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

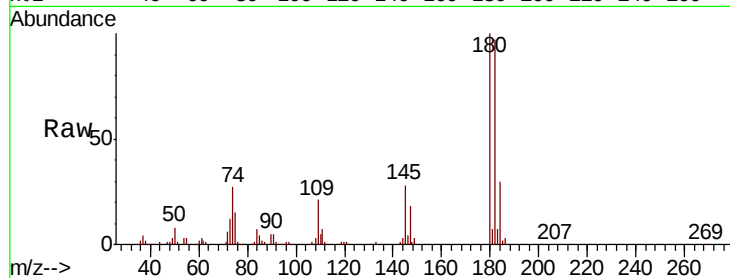




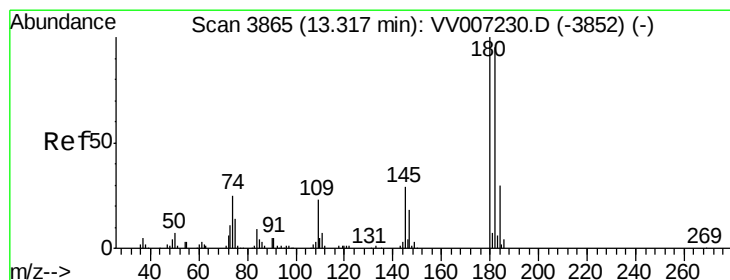
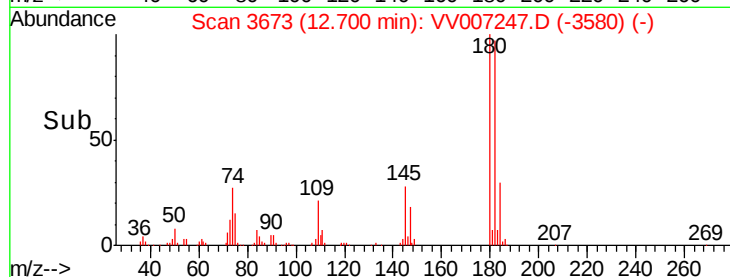
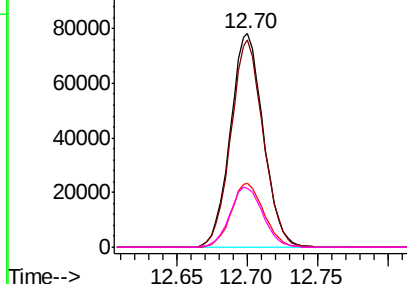
#67
 1,3,5-Trichlorobenzene
 Concen: 5.021 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. 0.00 min
 Lab File: VV007247.D
 Acq: 29 Aug 2018 02:45

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00564

Tot Ion:180	Resp:	127569
Ion	Ratio	Lower Upper
180	100	
182	95.6	77.0 115.6
184	29.6	23.4 35.2
145	28.3	22.6 33.8

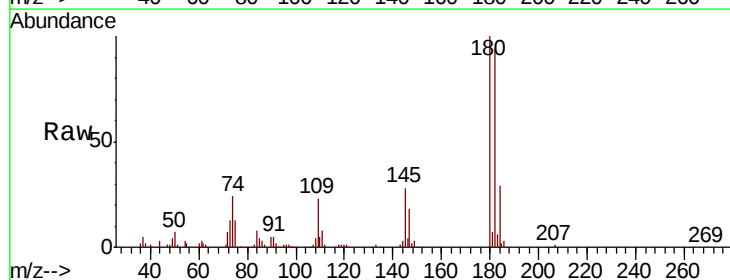


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

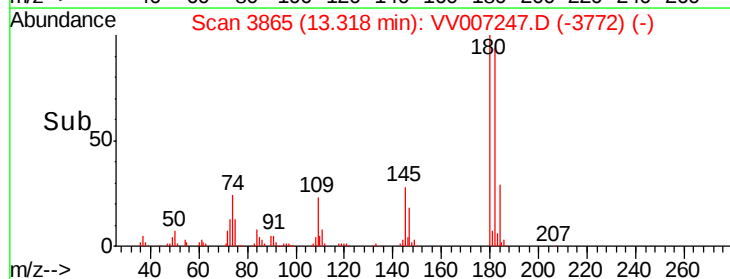
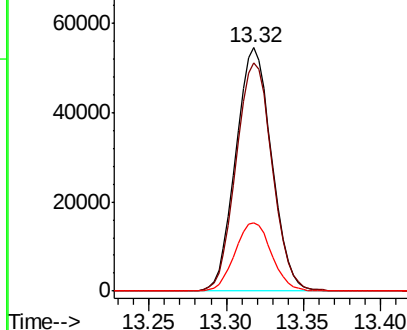


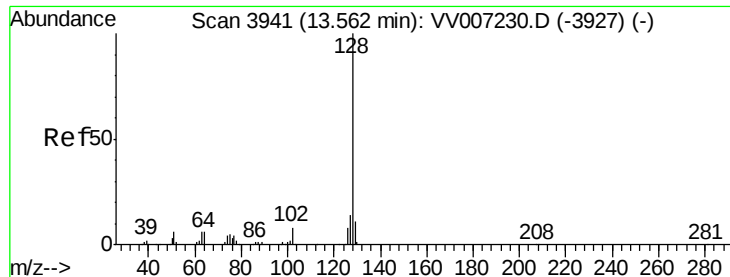
#68
 1,2,4-trichlorobenzene
 Concen: 5.134 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. 0.00 min
 Lab File: VV007247.D
 Acq: 29 Aug 2018 02:45

Tgt Ion:180	Resp:	87814
Ion	Ratio	Lower Upper
180	100	
182	94.8	76.8 115.2
145	28.7	22.6 34.0



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: 4.690 ug/L

RT: 13.56 min Scan# 3941

Delta R.T. 0.00 min

Lab File: VV007247.D

Acq: 29 Aug 2018 02:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD00564

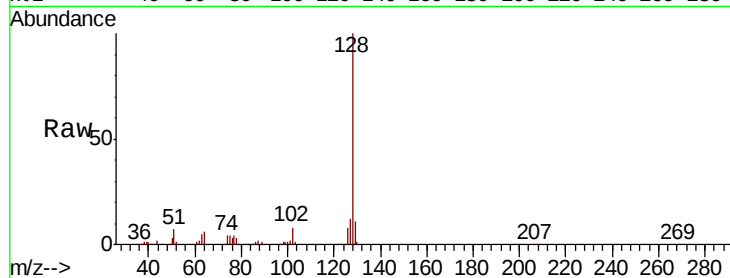
Tot Ion:128 Resp: 100231

Ion Ratio Lower Upper

128 100

129 11.3 8.9 13.3

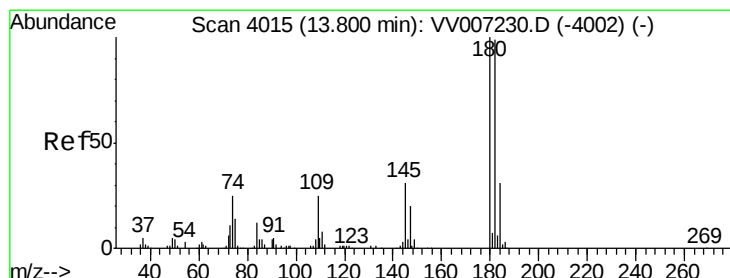
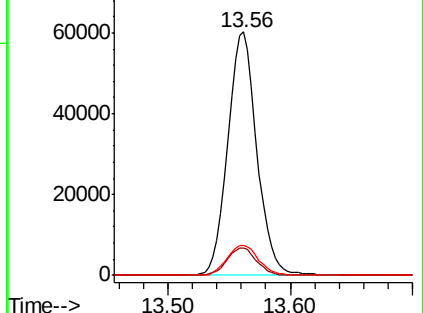
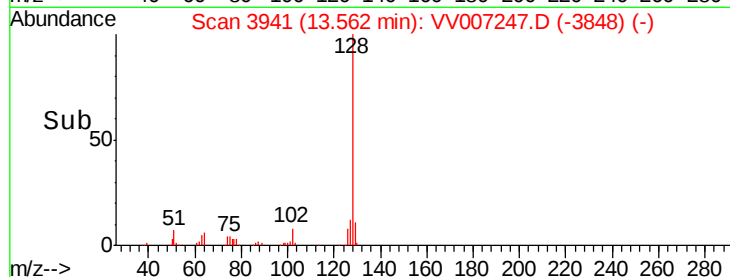
127 13.4 10.6 15.8



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: 5.072 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. 0.00 min

Lab File: VV007247.D

Acq: 29 Aug 2018 02:45

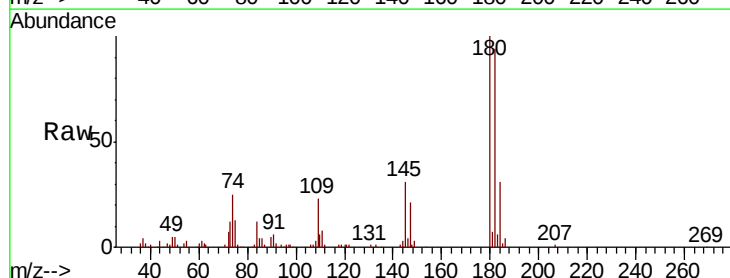
Tgt Ion:180 Resp: 85114

Ion Ratio Lower Upper

180 100

182 95.7 77.0 115.4

145 30.7 23.8 35.8



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

