

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061219\
 Data File : VV011496.D
 Acq On : 14 Jun 2019 09:06
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25ML/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 14 09:31:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR060419WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jun 14 09:13:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	114547	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	105482	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	43554	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	41017	4.73	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.60%
7) Chloroethane-d5	1.58	69	36773	5.10	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.00%
11) 1,1-Dichloroethene-d2	2.13	63	90167	5.20	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	104.00%
20) 2-Butanone-d5	3.98	46	123913	63.41	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	126.82%
24) Chloroform-d	4.40	84	91470	5.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	119.80%
26) 1,2-Dichloroethane-d4	5.08	65	51341	6.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	124.40%
32) Benzene-d6	5.10	84	166954	5.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.80%
36) 1,2-Dichloropropane-d6	6.12	67	52960	5.45	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.00%
41) Toluene-d8	7.36	98	150029	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.60%
43) trans-1,3-Dichloropropene-	7.67	79	16020	4.32	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.40%
46) 2-Hexanone-d5	8.14	63	98722	63.07	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	126.14%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	39966	6.03	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	120.60%#
64) 1,2-Dichlorobenzene-d4	11.67	152	46523	5.41	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	49969	4.423	ug/L 100
3) Chloromethane	1.25	50	60443	5.534	ug/L 98
5) Vinyl chloride	1.32	62	53634	5.089	ug/L 96
6) Bromomethane	1.53	94	23241	4.239	ug/L 92
8) Chloroethane	1.60	64	37225	5.527	ug/L 95
9) Trichlorofluoromethane	1.77	101	76941	5.318	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	36426	4.906	ug/L 98
12) 1,1-Dichloroethene	2.14	96	37694	5.223	ug/L 98
13) Acetone	2.24	43	91042	69.488	ug/L 90
14) Carbon disulfide	2.31	76	88704	4.052	ug/L 100
15) Methyl Acetate	2.48	43	22338	6.419	ug/L 93
16) Methylene chloride	2.53	84	45045	6.058	ug/L 96
17) Methyl tert-butyl Ether	2.81	73	110196	5.720	ug/L 98
18) trans-1,2-Dichloroethene	2.78	96	41995	5.197	ug/L 96
19) 1,1-Dichloroethane	3.23	63	91425	5.736	ug/L 99
21) 2-Butanone	4.06	43	127968	63.423	ug/L 95
22) cis-1,2-Dichloroethene	3.96	96	46713	5.220	ug/L 99

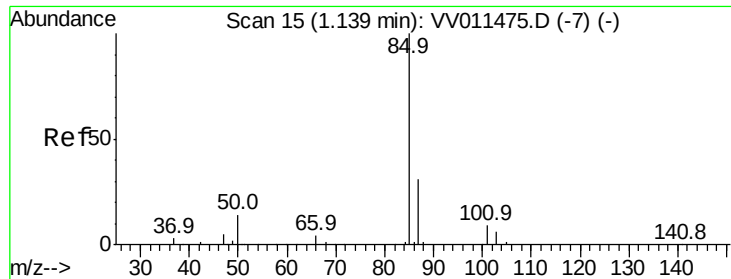
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061219\
 Data File : VV011496.D
 Acq On : 14 Jun 2019 09:06
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jun 14 09:13:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	19037	5.549	ug/L	87
25) Chloroform	4.42	83	91810	5.577	ug/L	99
27) 1,2-Dichloroethane	5.18	62	62603	6.223	ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	66960	4.977	ug/L	97
30) Cyclohexane	4.72	56	58260	3.906	ug/L	98
31) Carbon tetrachloride	4.87	117	50624	4.502	ug/L	98
33) Benzene	5.14	78	186621	5.560	ug/L	100
34) Trichloroethene	5.96	95	44253	5.104	ug/L	99
35) Methylcyclohexane	6.17	83	54509	3.801	ug/L	97
37) 1,2-Dichloropropane	6.22	63	46833	5.606	ug/L	99
38) Bromodichloromethane	6.55	83	54397	5.267	ug/L	96
39) cis-1,3-Dichloropropene	7.07	75	55367	4.530	ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	327965	61.650	ug/L	97
42) Toluene	7.43	91	187673	5.246	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	42373	4.560	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	32640	6.104	ug/L	98
47) Tetrachloroethene	8.02	164	29563	4.718	ug/L	97
48) 2-Hexanone	8.19	43	229914	61.968	ug/L	96
49) Dibromochloromethane	8.29	129	31083	5.117	ug/L	99
50) 1,2-Dibromoethane	8.40	107	29234	5.751	ug/L	99
51) Chlorobenzene	8.92	112	113775	5.215	ug/L	98
52) Ethylbenzene	9.05	91	188232	4.738	ug/L	98
53) m,p-xylene	9.18	106	69178	4.709	ug/L	98
54) o-xylene	9.59	106	72544	5.031	ug/L	98
55) Styrene	9.60	104	117657	5.010	ug/L	97
56) Isopropylbenzene	9.97	105	173097	4.461	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	38276	5.904	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	27748	5.695	ug/L	99
61) Bromoform	9.78	173	13508	5.163	ug/L	97
62) 1,3-Dichlorobenzene	11.23	146	71918	4.994	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	71334	5.102	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	73371	5.512	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	4913	5.150	ug/L	88
67) 1,3,5-Trichlorobenzene	12.69	180	48145	4.647	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	35010	4.451	ug/L	95
69) Naphthalene	13.55	128	58988	4.581	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	34201	4.849	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 4.423 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

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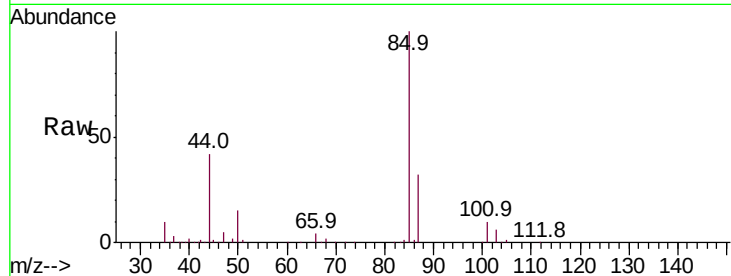
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 49969

Ion Ratio Lower Upper

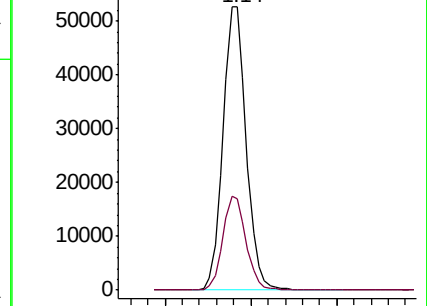
85 100

87 33.2 26.5 39.7

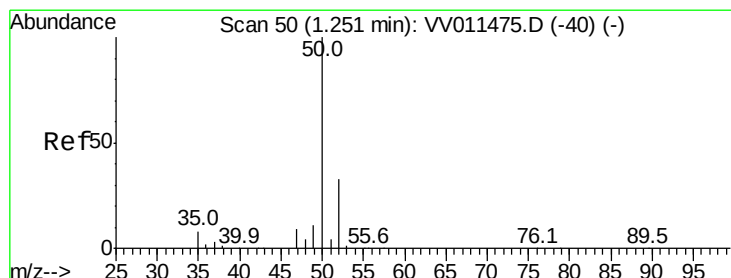
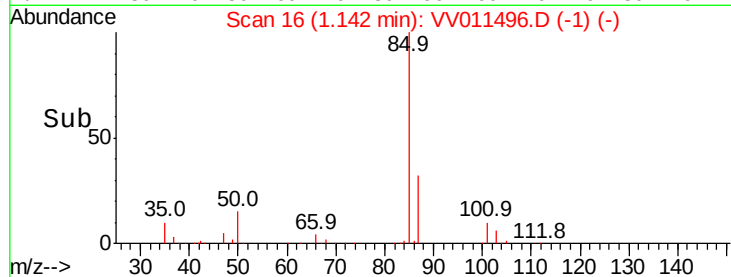


Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



Time-->



#3

Chloromethane

Concen: 5.534 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV011496.D

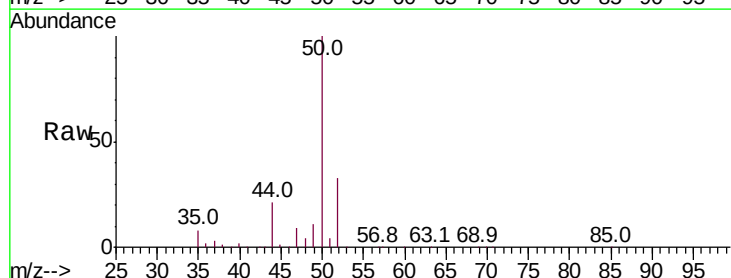
Acq: 14 Jun 2019 09:06

Tgt Ion: 50 Resp: 60443

Ion Ratio Lower Upper

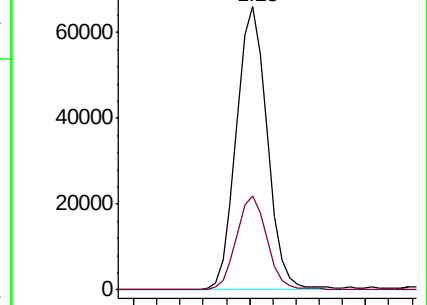
50 100

52 33.2 22.3 41.5

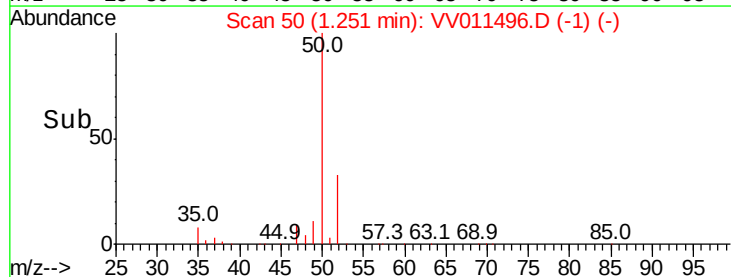


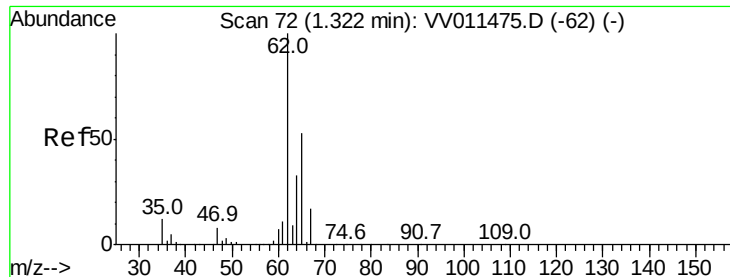
Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0



Time-->





#5

Vinyl chloride

Concen: 5.089 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV011496.D

Acq: 14 Jun 2019 09:06

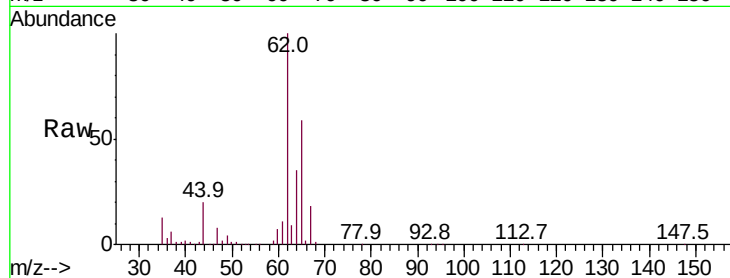
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 53634

Ion Ratio Lower Upper

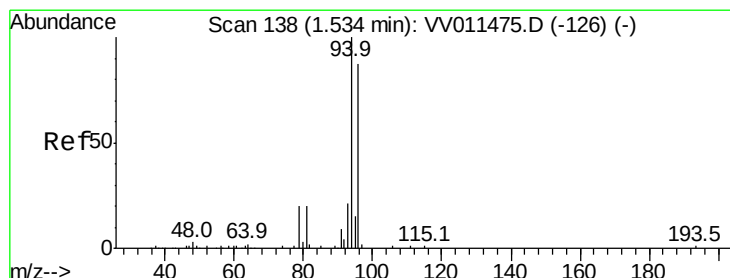
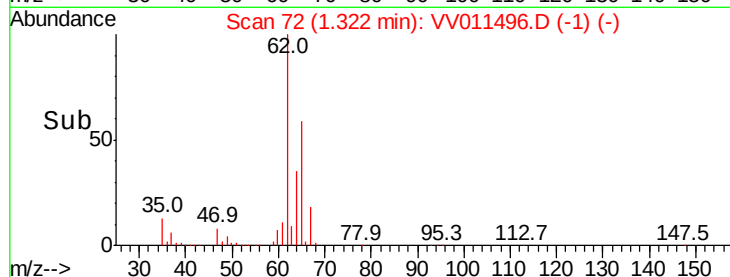
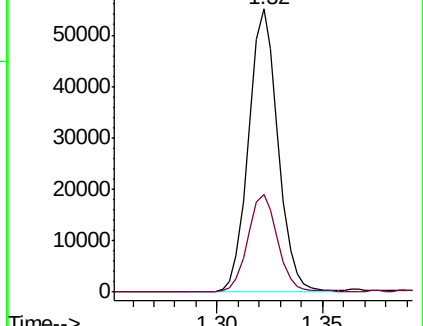
62 100

64 34.5 25.9 48.1



Abundance Ion 62.00 (61.70 to 62.70): VV011475.D (-62) (-)

Ion 64.10 (63.80 to 64.80): VV011475.D (-62) (-)



#6

Bromomethane

Concen: 4.239 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV011496.D

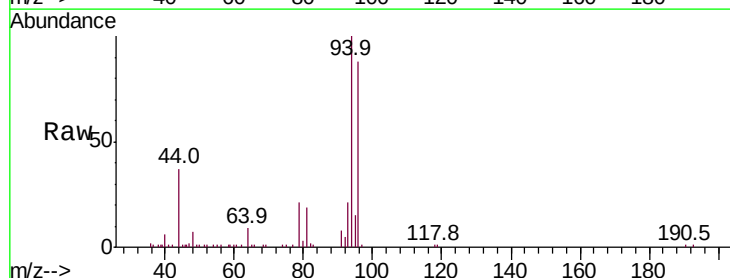
Acq: 14 Jun 2019 09:06

Tgt Ion: 94 Resp: 23241

Ion Ratio Lower Upper

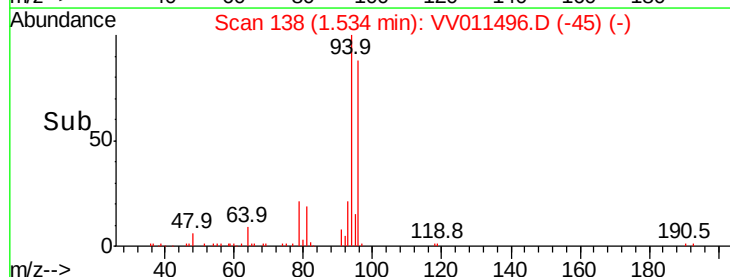
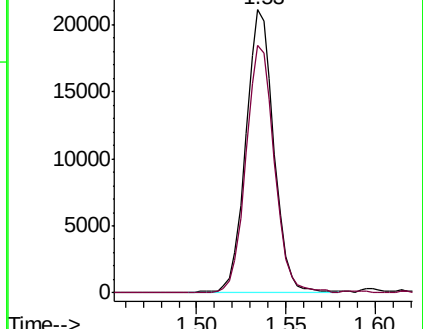
94 100

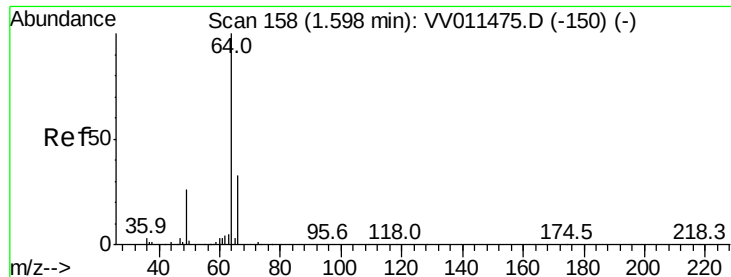
96 87.6 67.0 124.4



Abundance Ion 94.00 (93.70 to 94.70): VV011475.D (-126) (-)

Ion 96.00 (95.70 to 96.70): VV011475.D (-126) (-)





#8

Chloroethane

Concen: 5.527 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV011496.D

Acq: 14 Jun 2019 09:06

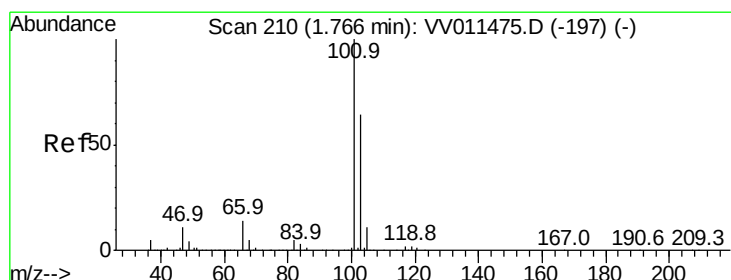
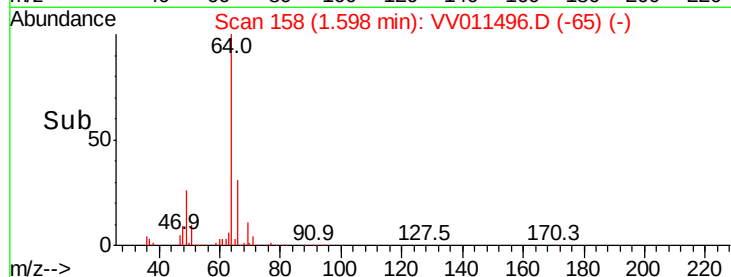
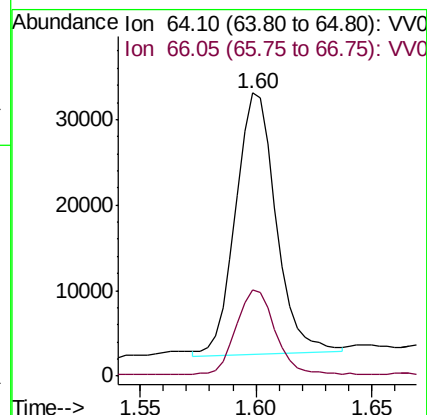
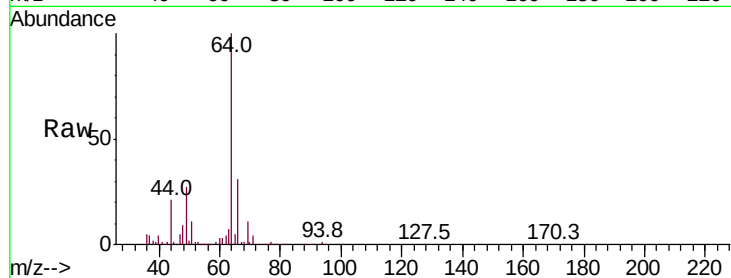
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 37225

Ion Ratio Lower Upper

64 100

66 30.6 19.4 36.0



#9

Trichlorofluoromethane

Concen: 5.318 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV011496.D

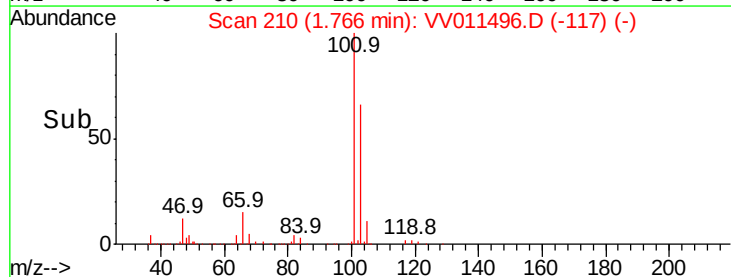
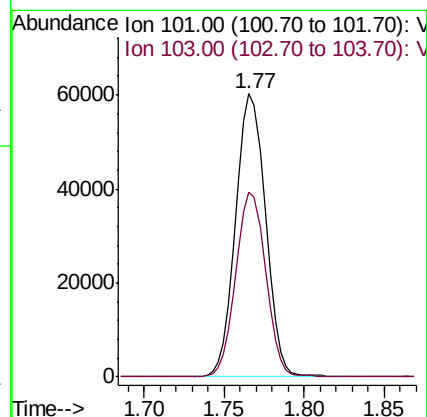
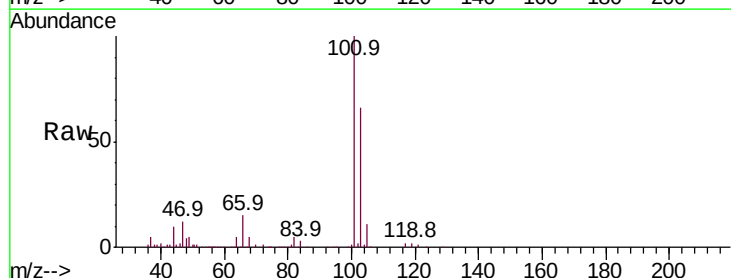
Acq: 14 Jun 2019 09:06

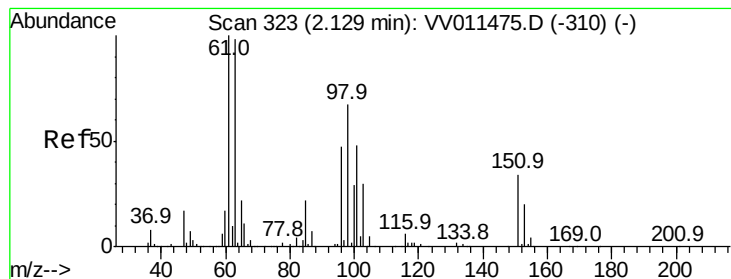
Tgt Ion: 101 Resp: 76941

Ion Ratio Lower Upper

101 100

103 65.4 50.8 76.2





#10

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

Concen: 4.906 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV011496.D

Acq: 14 Jun 2019 09:06

Instrument :

MSVOA_V

ClientSampled :

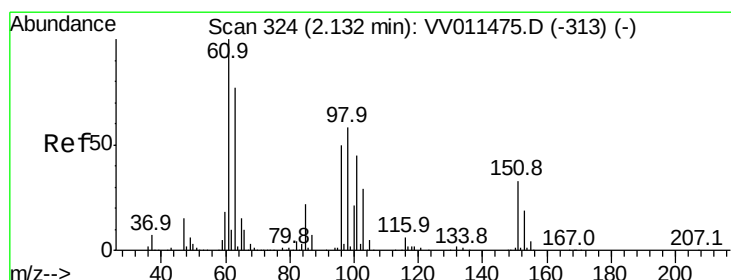
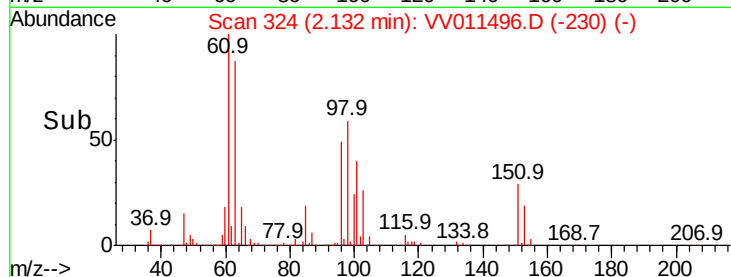
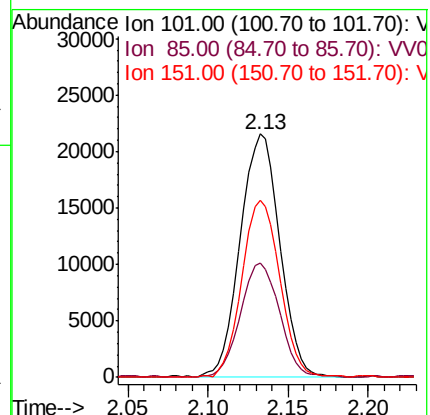
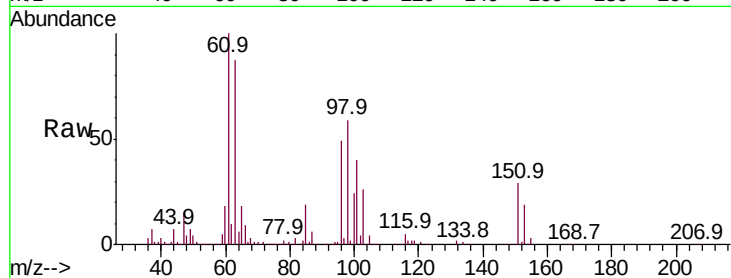
Tot Ion:101 Resp: 36426

Ion Ratio Lower Upper

101 100

85 46.6 35.5 53.3

151 69.9 56.9 85.3



#12

1,1-Dichloroethene

Concen: 5.223 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV011496.D

Acq: 14 Jun 2019 09:06

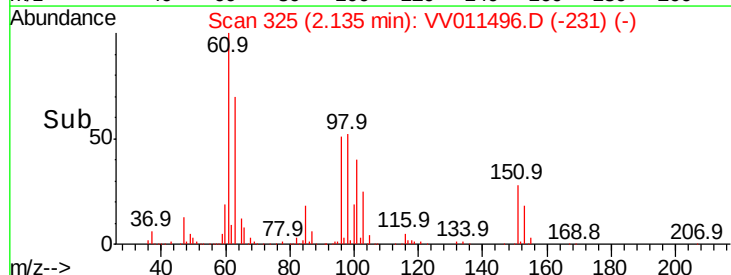
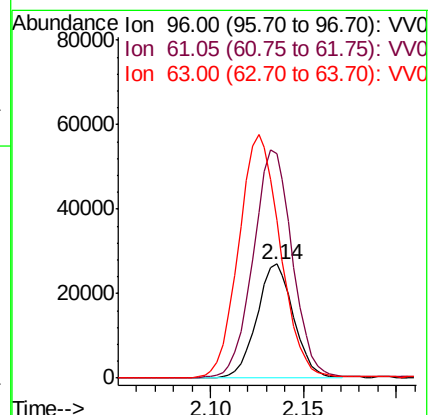
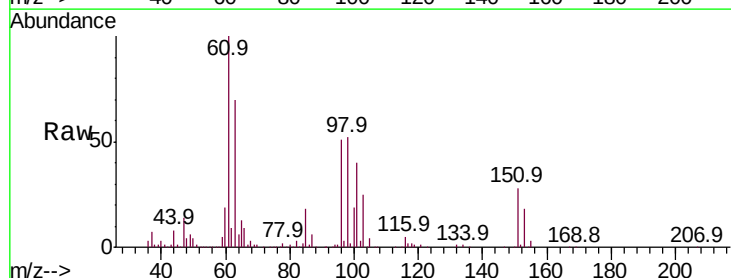
Tgt Ion: 96 Resp: 37694

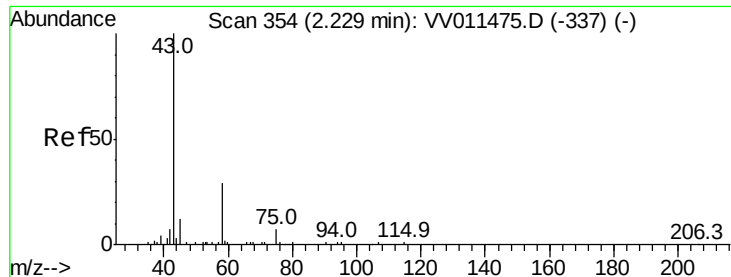
Ion Ratio Lower Upper

96 100

61 196.4 139.8 259.6

63 138.2 94.3 175.1





#13

Acetone

Concen: 69.488 ug/L

RT: 2.24 min Scan# 356

Delta R.T. 0.01 min

Lab File: VV011496.D

Acq: 14 Jun 2019 09:06

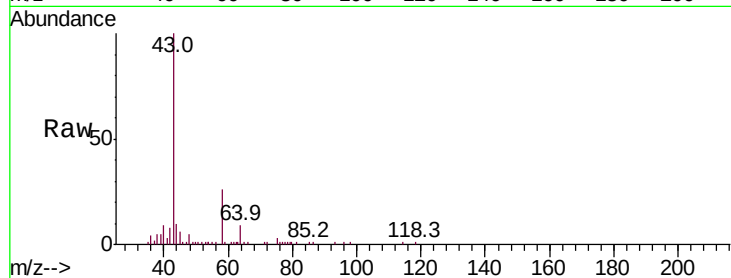
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 91042

Ion Ratio Lower Upper

43 100

58 22.5 0.0 55.2



Abundance Ion 43.05 (42.75 to 43.75): VV011475.D (-337) (-)

Ion 58.05 (57.75 to 58.75): VV011496.D (-261) (-)

2.24

20000

15000

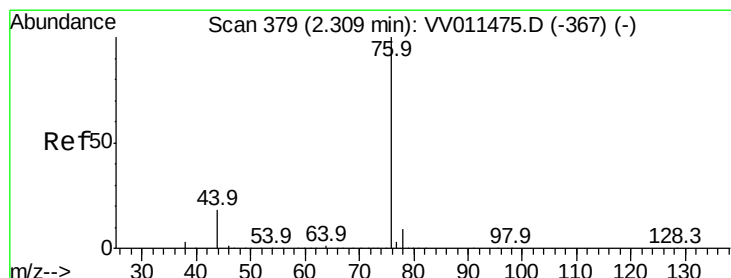
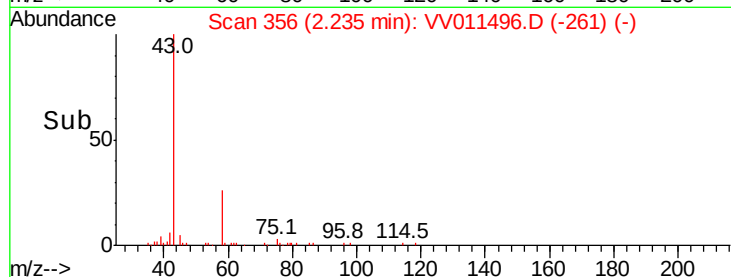
10000

5000

0

Time-->

2.10 2.20 2.30 2.40 2.50



#14

Carbon disulfide

Concen: 4.052 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV011496.D

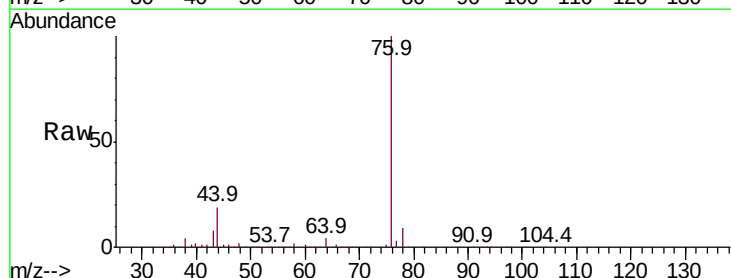
Acq: 14 Jun 2019 09:06

Tgt Ion: 76 Resp: 88704

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VV011475.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VV011496.D (-286) (-)

2.31

60000

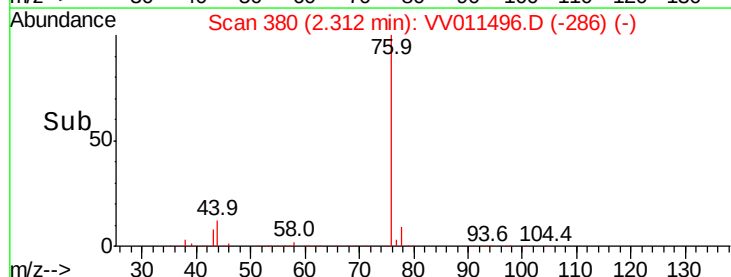
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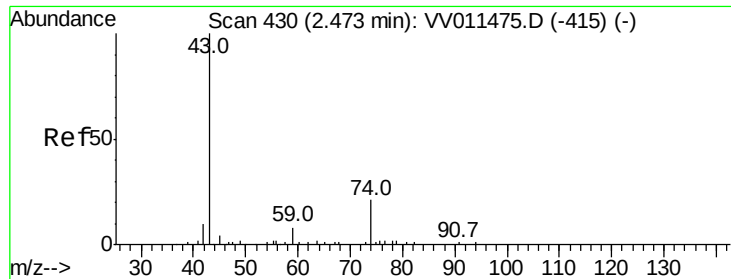
20000

0

Time-->

2.25 2.30 2.35 2.40





#15

Methyl Acetate

Concen: 6.419 ug/L

RT: 2.48 min Scan# 431

Delta R.T. 0.00 min

Lab File: VV011496.D

Acq: 14 Jun 2019 09:06

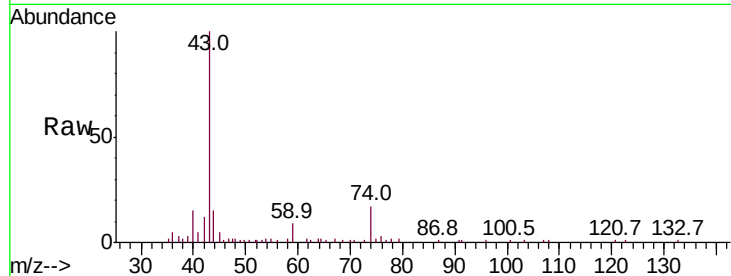
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 22338

Ion Ratio Lower Upper

43 100

74 19.5 18.5 27.7



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

2.48

10000

8000

6000

4000

2000

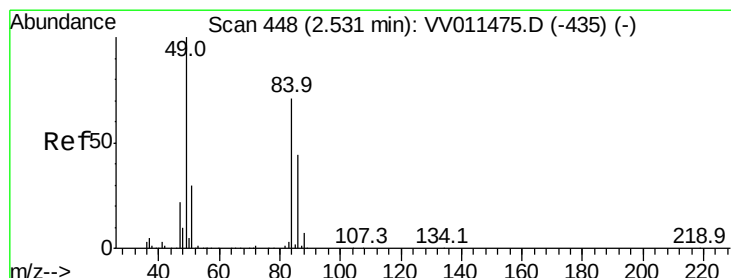
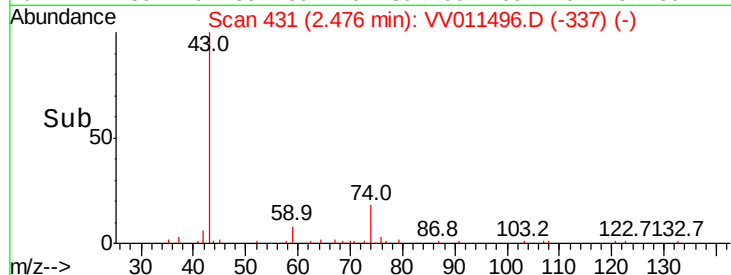
0

Time-->

2.40

2.50

2.60



#16

Methylene chloride

Concen: 6.058 ug/L

RT: 2.53 min Scan# 448

Delta R.T. 0.00 min

Lab File: VV011496.D

Acq: 14 Jun 2019 09:06

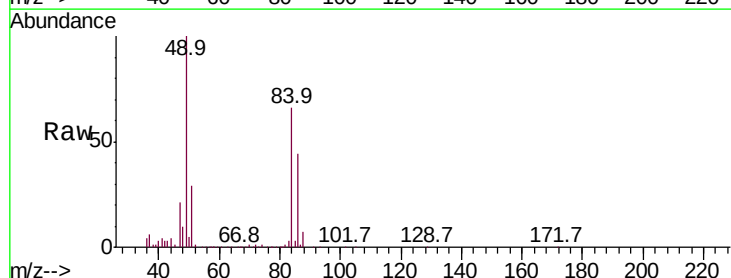
Tgt Ion: 84 Resp: 45045

Ion Ratio Lower Upper

84 100

86 67.0 44.9 83.3

49 151.2 102.1 189.5



Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

50000

40000

30000

20000

10000

0

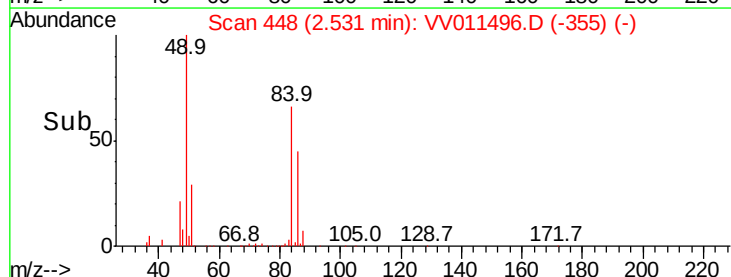
Time-->

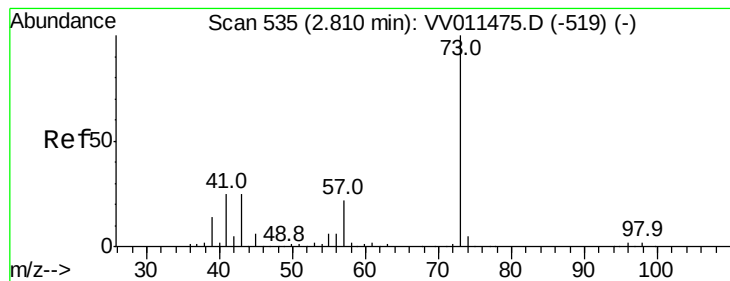
2.45

2.50

2.55

2.60



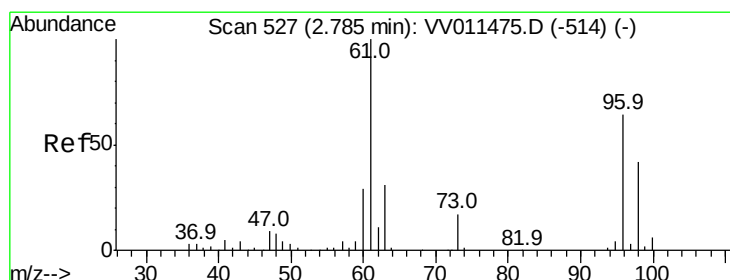
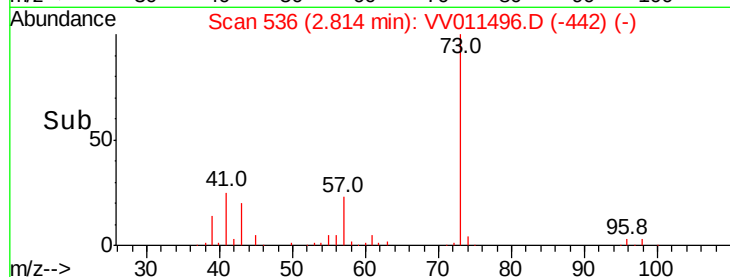
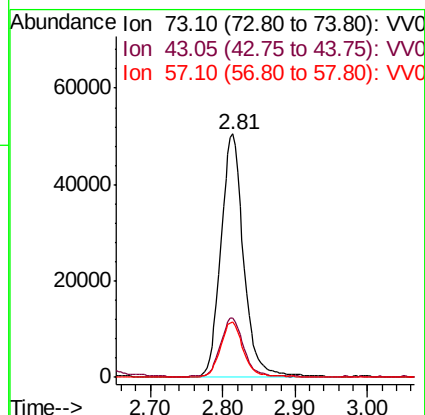
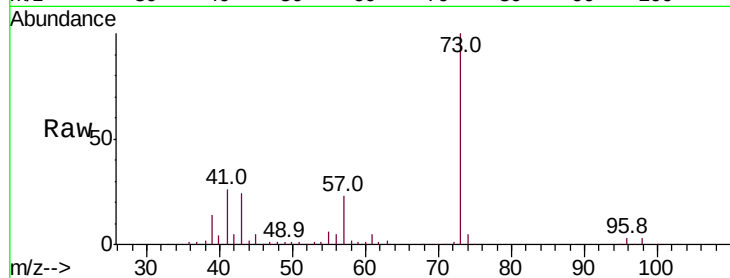


#17

Methyl tert-butyl Ether
 Concen: 5.720 ug/L
 RT: 2.81 min Scan# 536
 Delta R.T. 0.00 min
 Lab File: VV011496.D
 Acq: 14 Jun 2019 09:06

Instrument :
 MSVOA_V
 ClientSampleId :

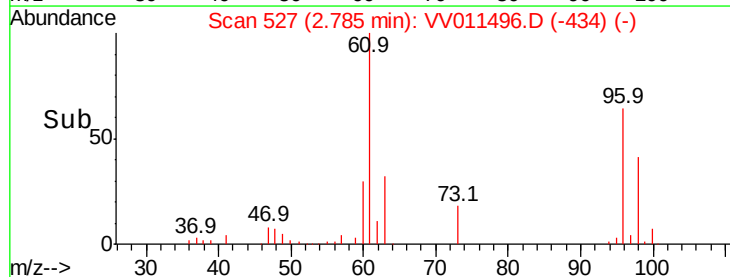
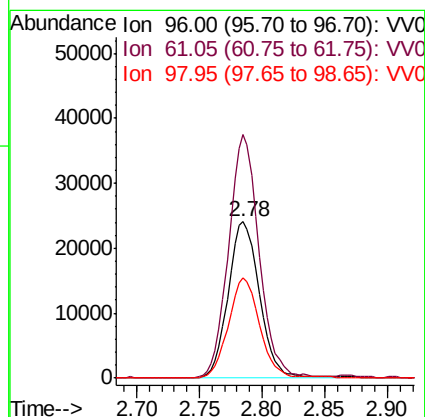
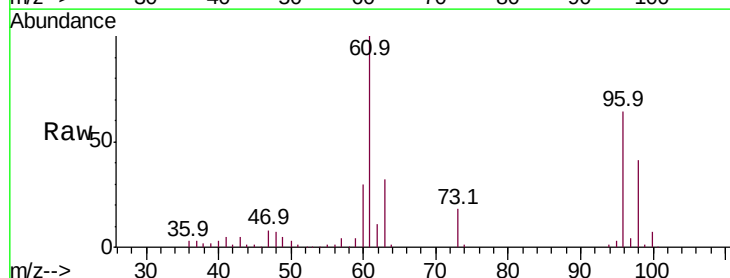
Tot Ion: 73 Resp: 110196
 Ion Ratio Lower Upper
 73 100
 43 25.4 18.7 28.1
 57 22.7 18.1 27.1

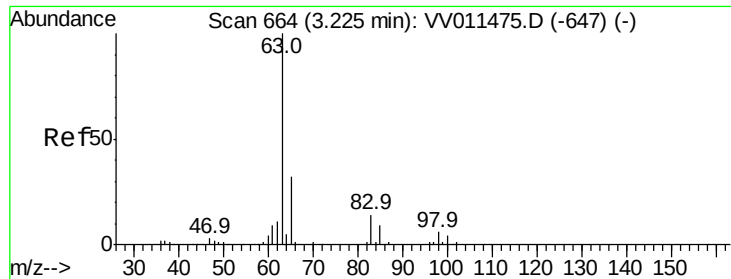


#18

trans-1,2-Dichloroethene
 Concen: 5.197 ug/L
 RT: 2.78 min Scan# 527
 Delta R.T. 0.00 min
 Lab File: VV011496.D
 Acq: 14 Jun 2019 09:06

Tgt Ion: 96 Resp: 41995
 Ion Ratio Lower Upper
 96 100
 61 155.5 104.0 193.2
 98 64.0 45.7 84.9

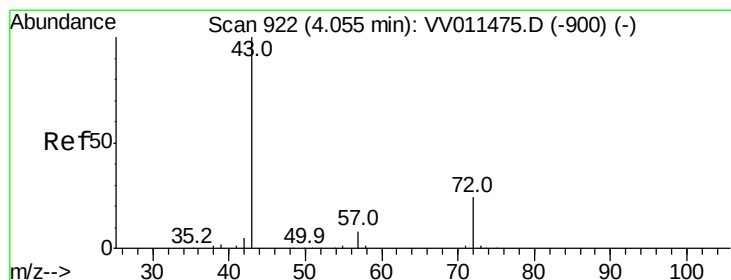
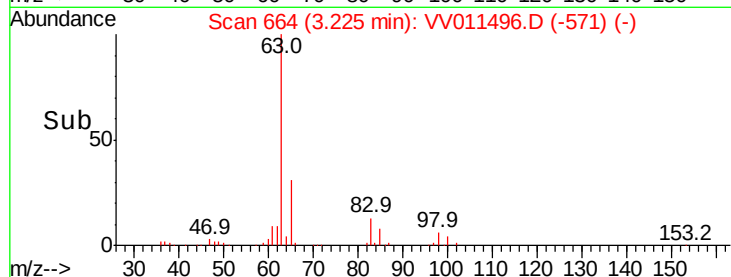
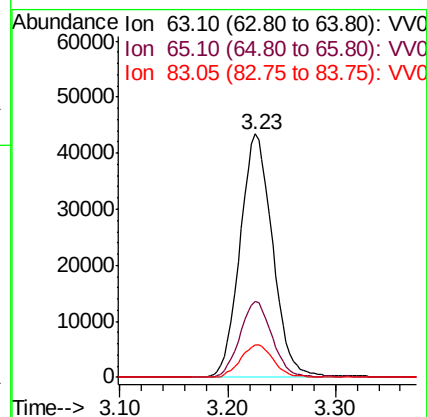
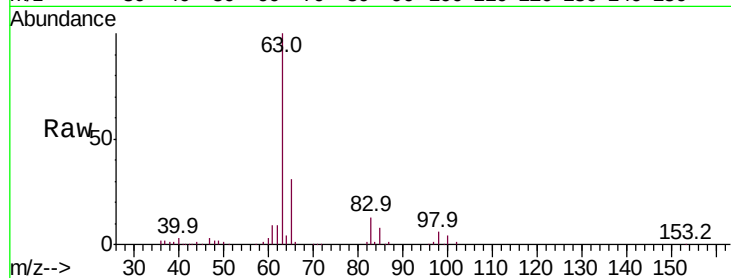




#19
 1,1-Dichloroethane
 Concen: 5.736 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. 0.00 min
 Lab File: VV011496.D
 Acq: 14 Jun 2019 09:06

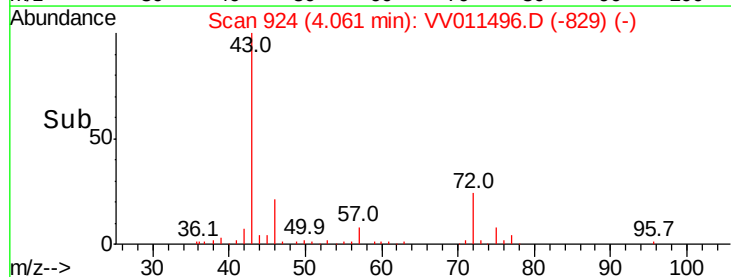
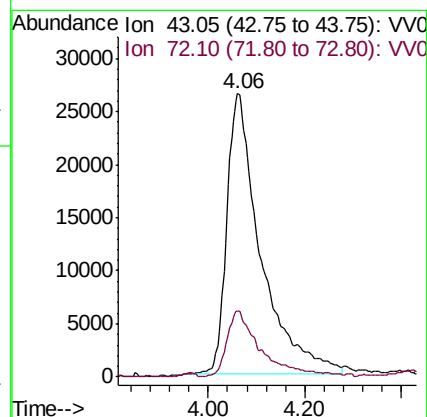
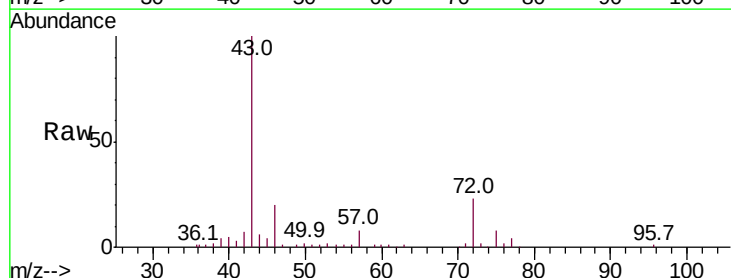
Instrument :
 MSVOA_V
 ClientSampled :

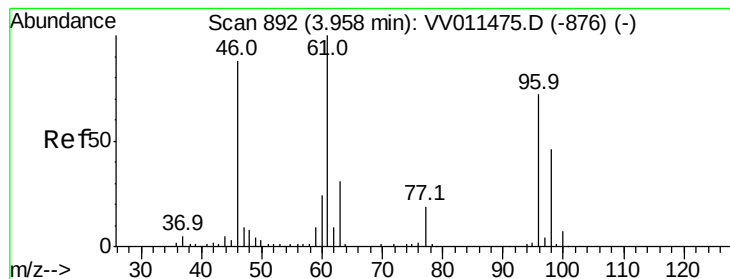
Tot Ion: 63 Resp: 91425
 Ion Ratio Lower Upper
 63 100
 65 31.2 22.1 41.1
 83 13.3 9.2 17.0



#21
 2-Butanone
 Concen: 63.423 ug/L
 RT: 4.06 min Scan# 924
 Delta R.T. 0.01 min
 Lab File: VV011496.D
 Acq: 14 Jun 2019 09:06

Tgt Ion: 43 Resp: 127968
 Ion Ratio Lower Upper
 43 100
 72 22.7 12.7 38.1





#22

cis-1,2-Dichloroethene

Concen: 5.220 ug/L

RT: 3.96 min Scan# 893

Delta R.T. 0.00 min

Lab File: VV011496.D

Acq: 14 Jun 2019 09:06

Instrument :

MSVOA_V

ClientSampled :

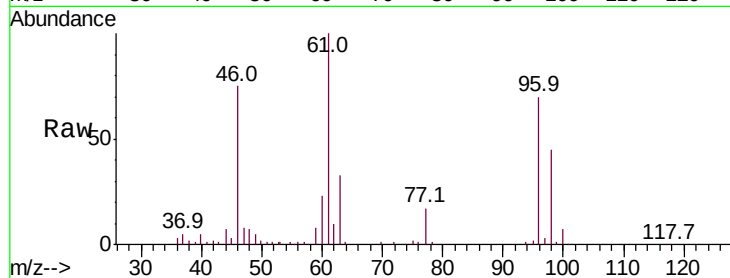
Tot Ion: 96 Resp: 46713

Ion Ratio Lower Upper

96 100

61 143.1 100.8 187.2

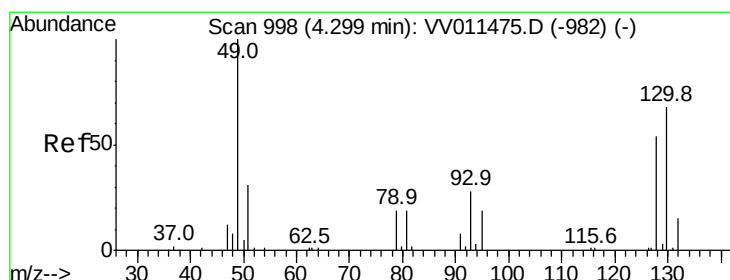
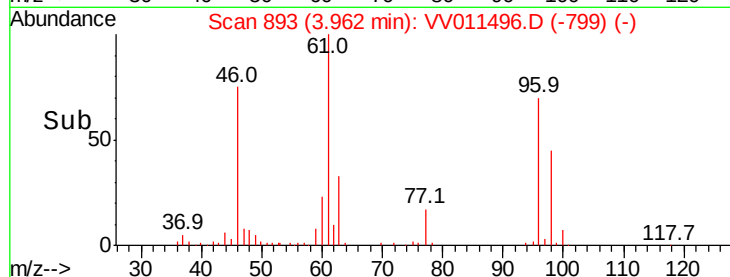
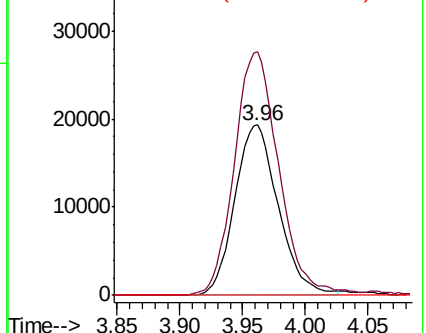
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV011496.D (-799) (-)

Ion 61.05 (60.75 to 61.75): VV011496.D (-799) (-)

Ion 68.15 (67.85 to 68.85): VV011496.D (-799) (-)



#23

Bromochloromethane

Concen: 5.549 ug/L

RT: 4.30 min Scan# 998

Delta R.T. 0.00 min

Lab File: VV011496.D

Acq: 14 Jun 2019 09:06

Tgt Ion: 128 Resp: 19037

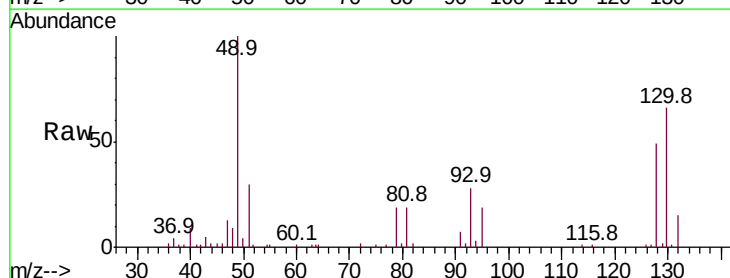
Ion Ratio Lower Upper

128 100

49 204.0 128.9 239.5

130 135.1 82.5 153.1

51 60.9 47.2 70.8

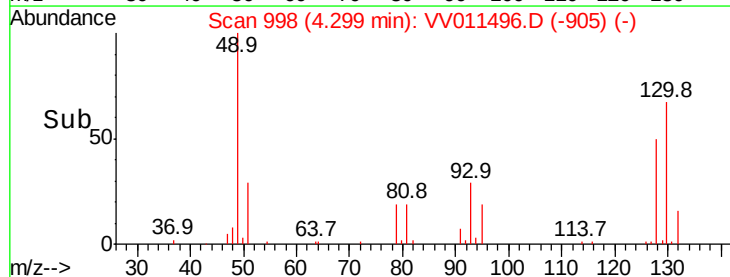
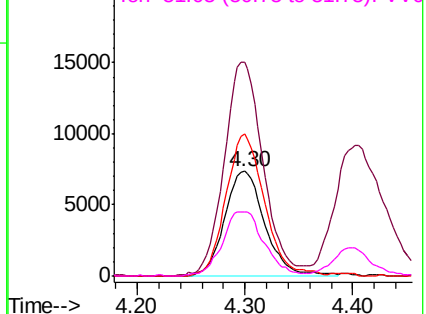


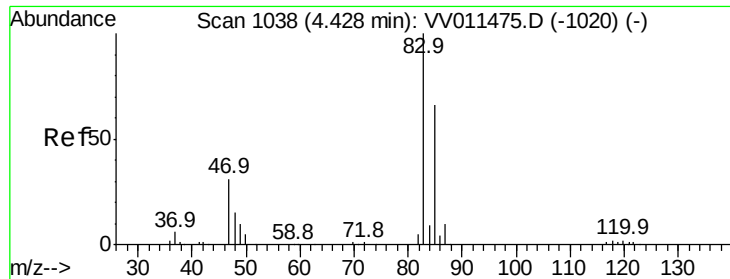
Abundance Ion 127.90 (127.60 to 128.60): VV011496.D (-905) (-)

Ion 49.10 (48.80 to 49.80): VV011496.D (-905) (-)

Ion 129.95 (129.65 to 130.65): VV011496.D (-905) (-)

Ion 51.05 (50.75 to 51.75): VV011496.D (-905) (-)

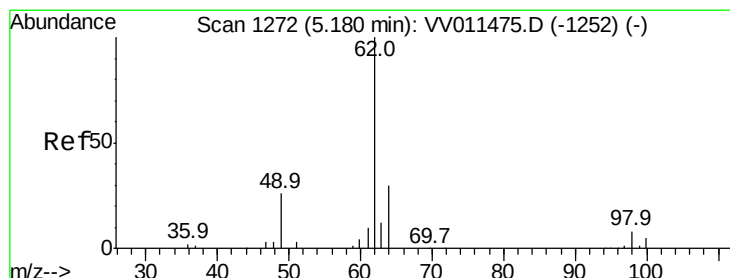
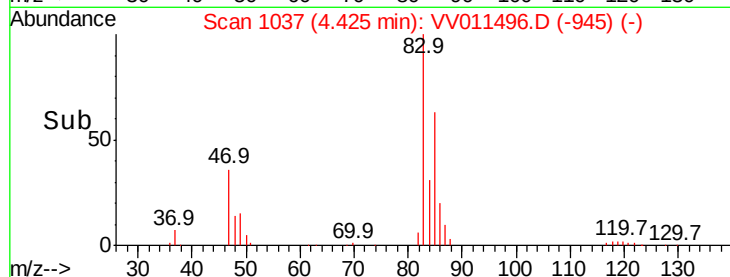
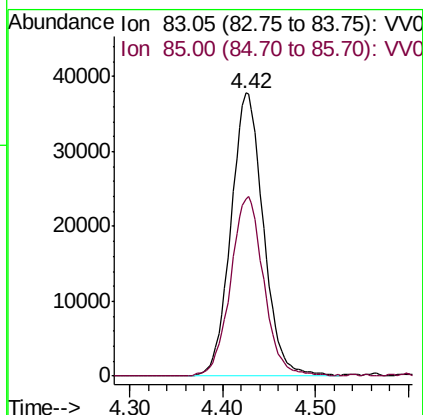
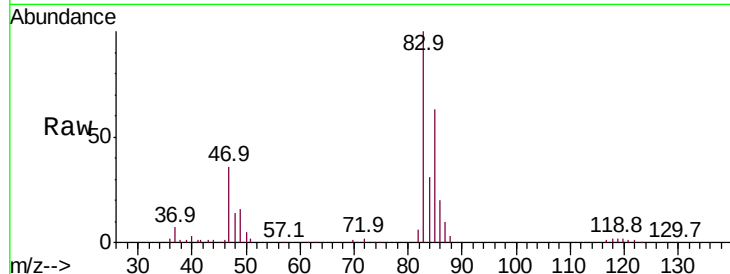




#25
Chloroform
Concen: 5.577 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV011496.D
Acq: 14 Jun 2019 09:06

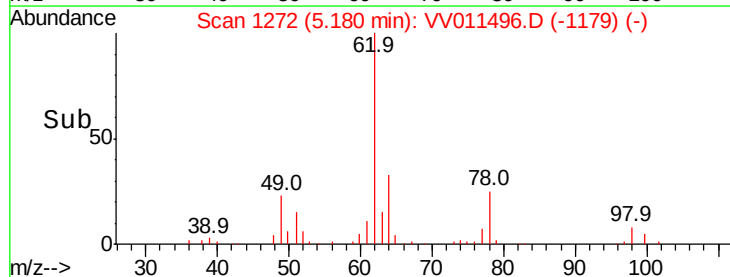
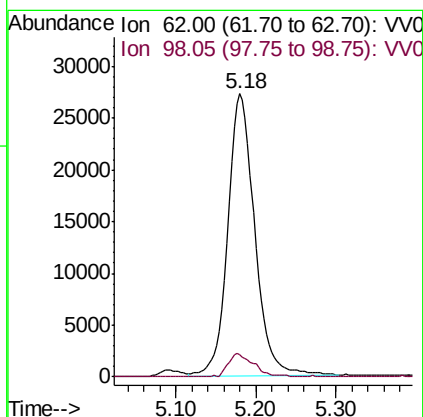
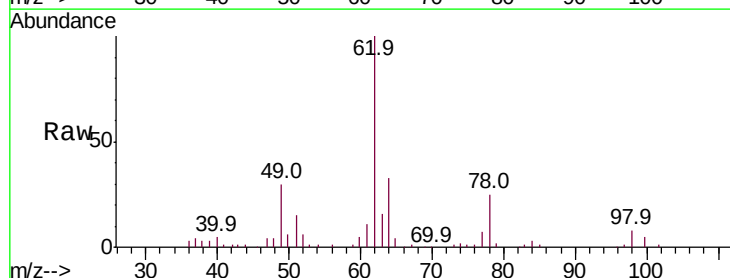
Instrument :
MSVOA_V
ClientSampleId :

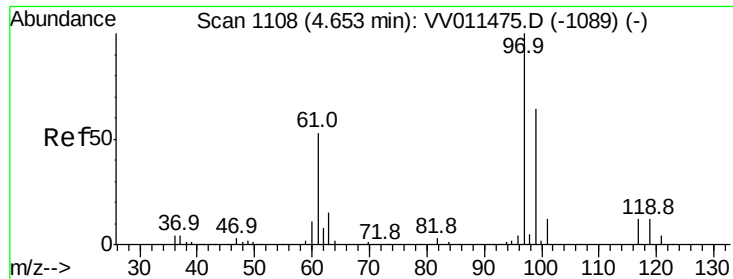
Tot Ion: 83 Resp: 91810
Ion Ratio Lower Upper
83 100
85 62.6 44.1 81.9



#27
1,2-Dichloroethane
Concen: 6.223 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV011496.D
Acq: 14 Jun 2019 09:06

Tgt Ion: 62 Resp: 62603
Ion Ratio Lower Upper
62 100
98 7.7 6.9 10.3

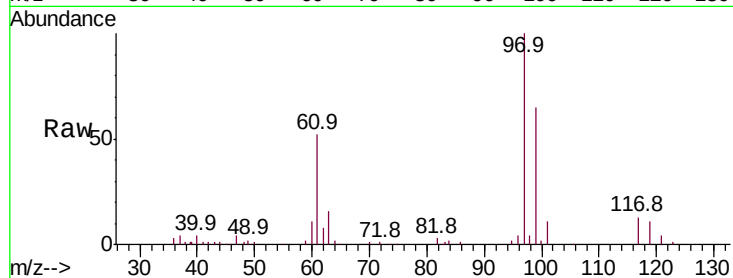




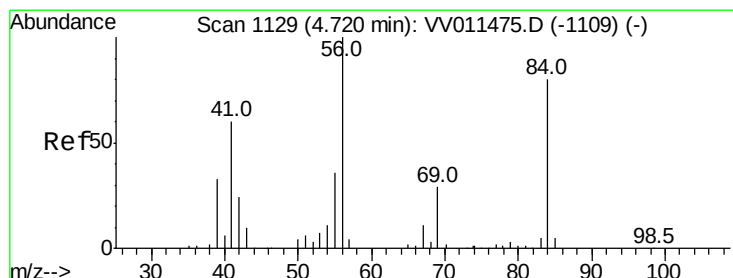
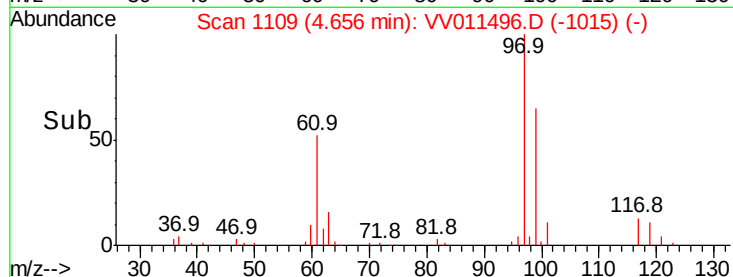
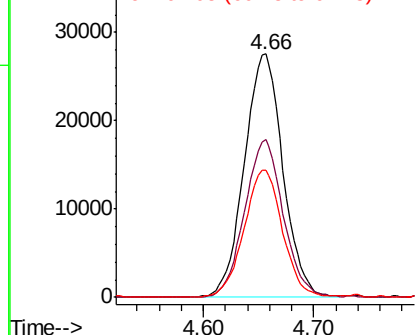
#29
1,1,1-Trichloroethane
Concen: 4.977 ug/L
RT: 4.66 min Scan# 1109
Delta R.T. 0.00 min
Lab File: VV011496.D
Acq: 14 Jun 2019 09:06

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 97 Resp: 66960
Ion Ratio Lower Upper
97 100
99 64.7 50.8 76.2
61 52.0 38.9 58.3

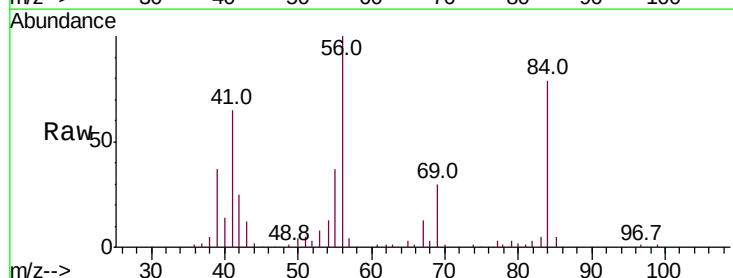


Abundance Ion 96.95 (96.65 to 97.65): VV0
Ion 99.05 (98.75 to 99.75): VV0
Ion 61.05 (60.75 to 61.75): VV0

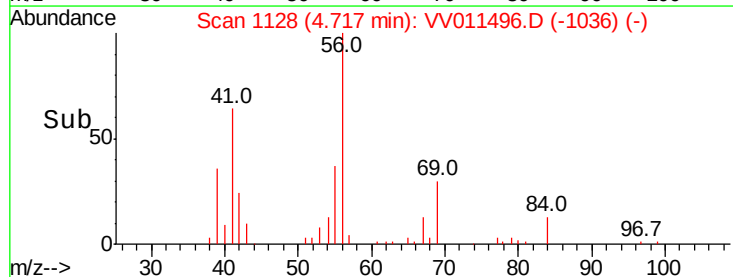
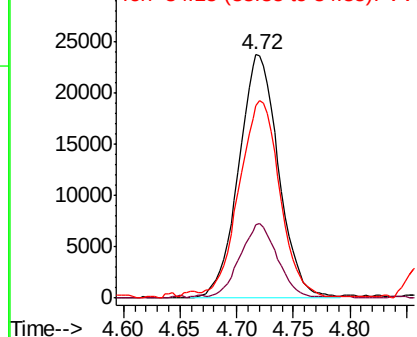


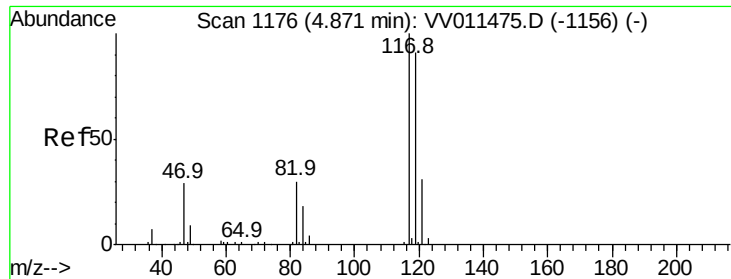
#30
Cyclohexane
Concen: 3.906 ug/L
RT: 4.72 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VV011496.D
Acq: 14 Jun 2019 09:06

Tgt Ion: 56 Resp: 58260
Ion Ratio Lower Upper
56 100
69 27.6 24.1 36.1
84 81.8 66.4 99.6



Abundance Ion 56.10 (55.80 to 56.80): VV0
Ion 69.15 (68.85 to 69.85): VV0
Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 4.502 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VV011496.D

Acq: 14 Jun 2019 09:06

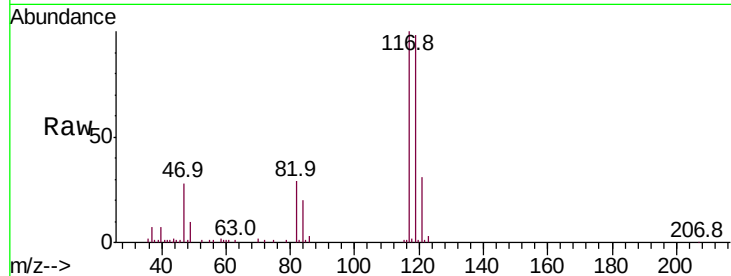
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 50624

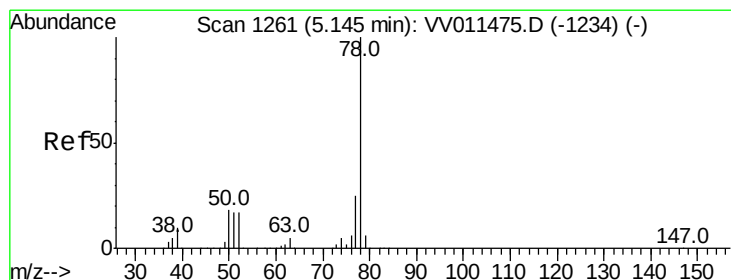
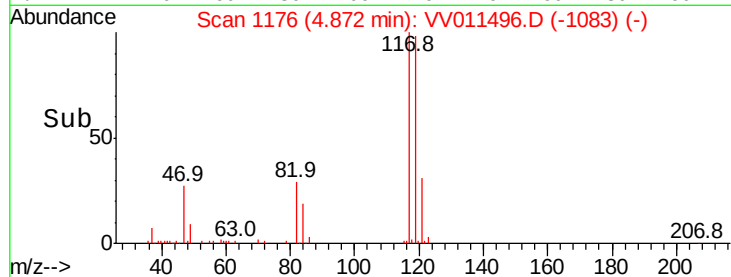
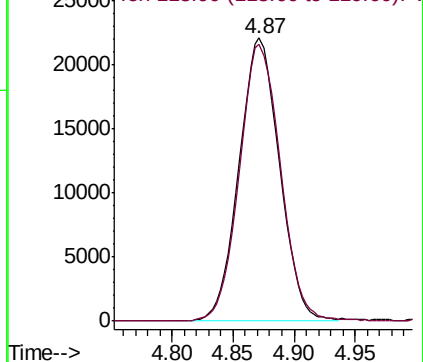
Ion Ratio Lower Upper

117 100

119 99.5 77.9 116.9



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



#33

Benzene

Concen: 5.560 ug/L

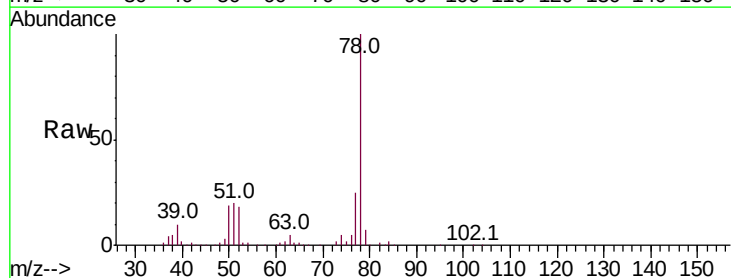
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

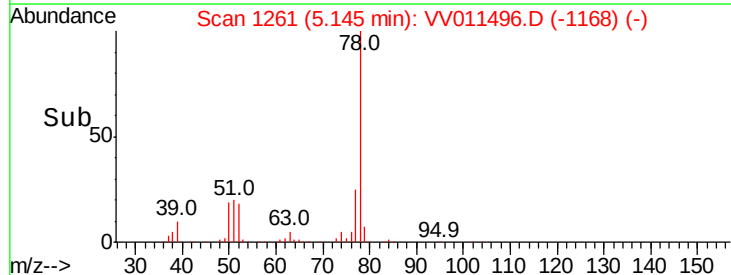
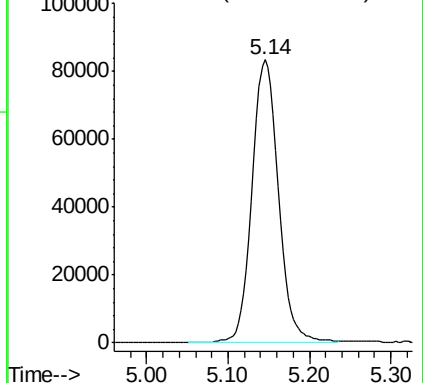
Lab File: VV011496.D

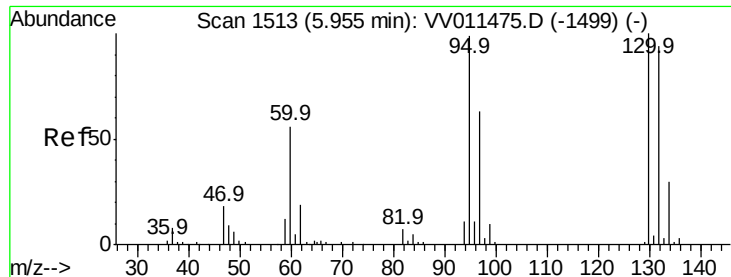
Acq: 14 Jun 2019 09:06

Tgt Ion: 78 Resp: 186621



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 5.104 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV011496.D

Acq: 14 Jun 2019 09:06

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 44253

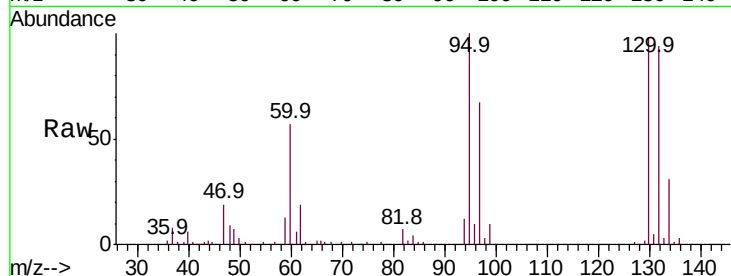
Ion Ratio Lower Upper

95 100

97 67.5 45.8 85.2

132 93.5 66.4 123.2

130 97.9 68.3 126.8

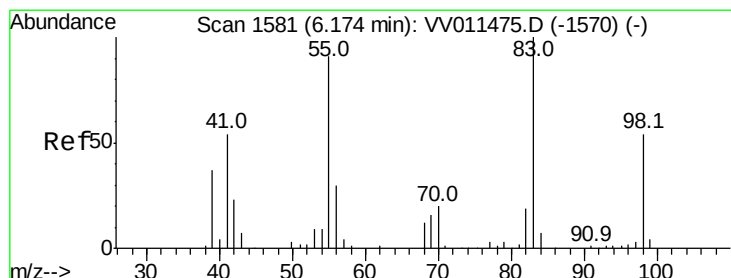
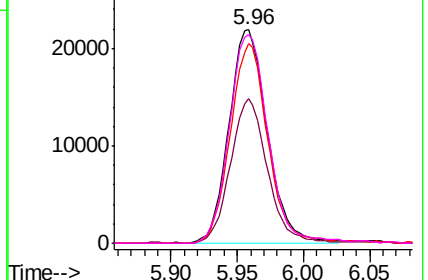
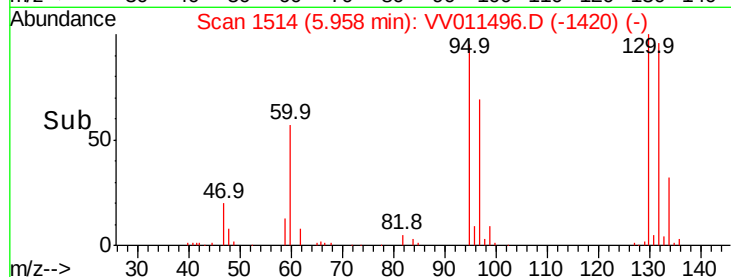


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 3.801 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV011496.D

Acq: 14 Jun 2019 09:06

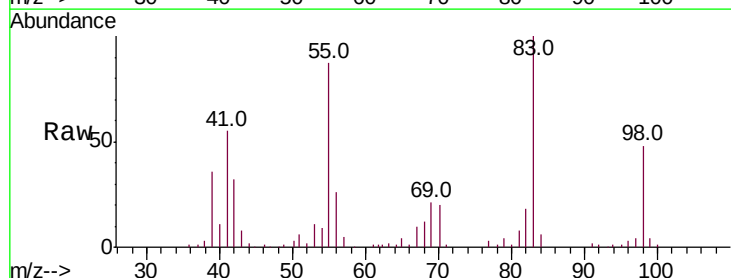
Tgt Ion: 83 Resp: 54509

Ion Ratio Lower Upper

83 100

55 87.7 67.0 100.6

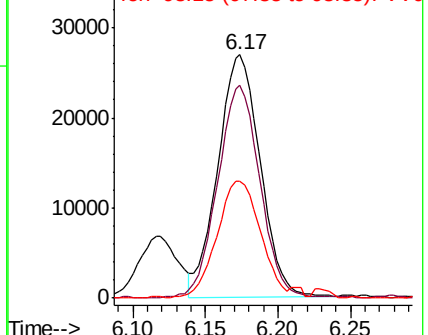
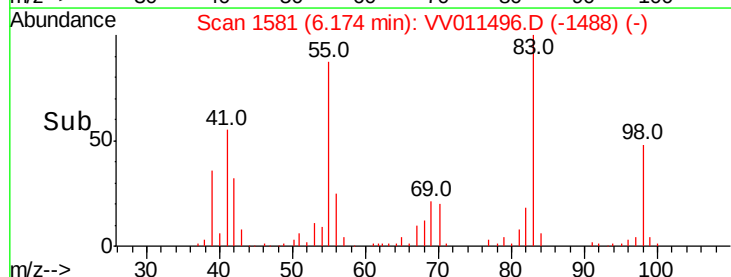
98 49.4 40.0 60.0

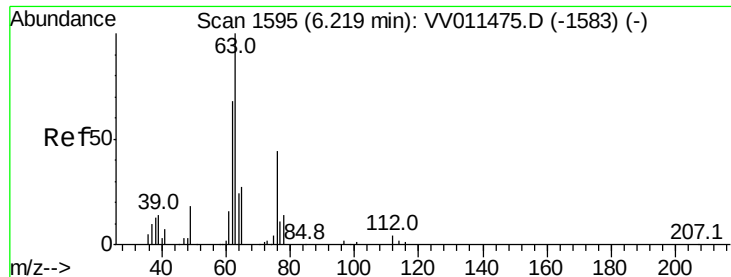


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

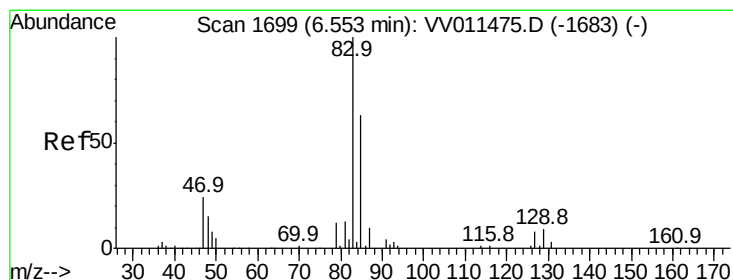
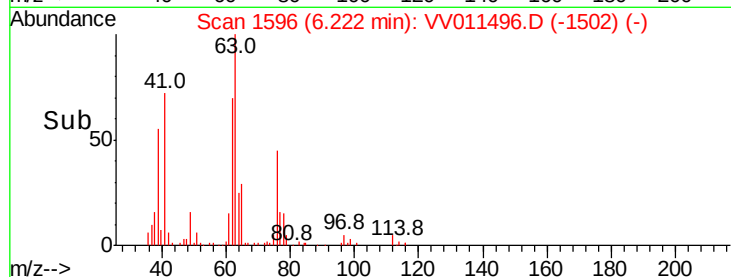
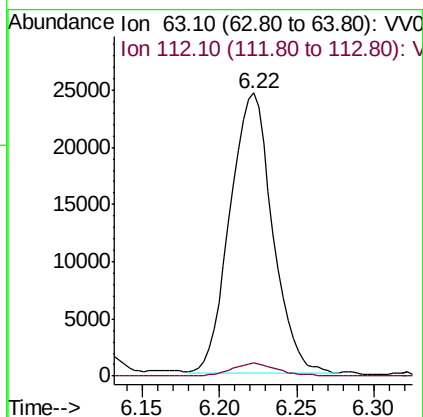
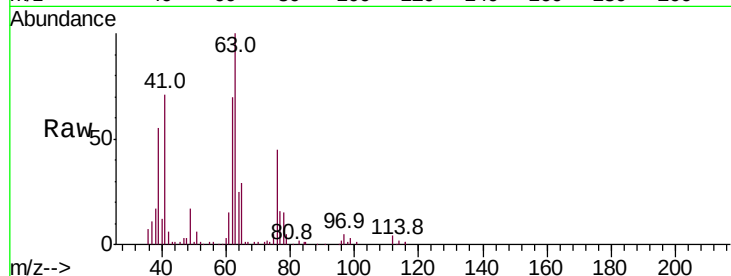




#37
 1,2-Dichloropropane
 Concen: 5.606 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. 0.00 min
 Lab File: VV011496.D
 Acq: 14 Jun 2019 09:06

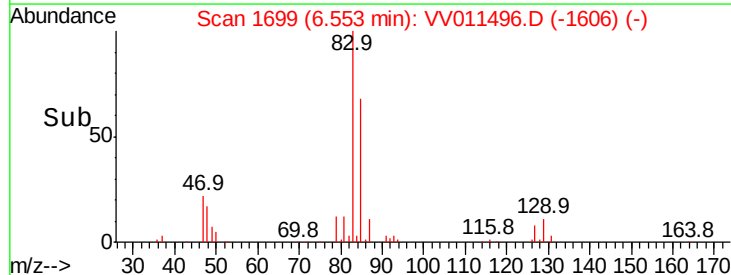
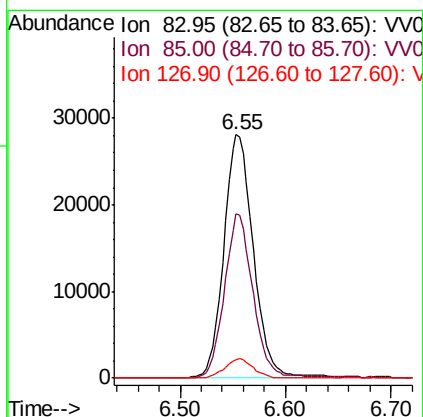
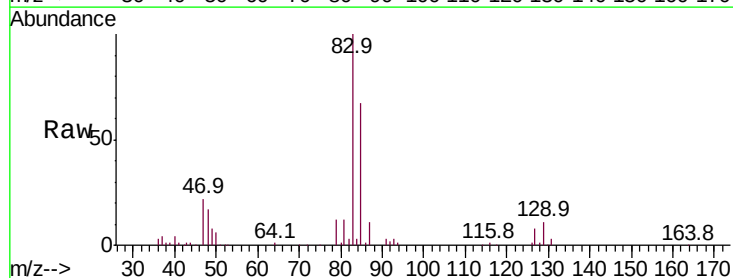
Instrument :
 MSVOA_V
 ClientSampled :

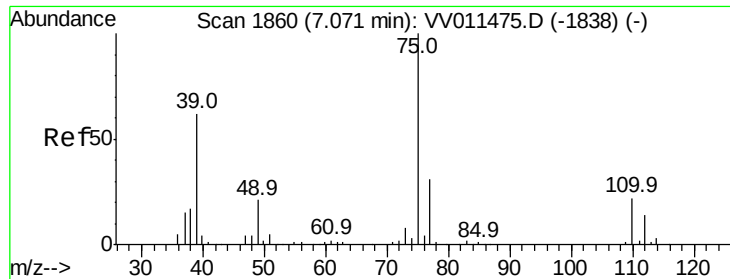
Tot Ion: 63 Resp: 46833
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.6 5.4



#38
 Bromodichloromethane
 Concen: 5.267 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV011496.D
 Acq: 14 Jun 2019 09:06

Tgt Ion: 83 Resp: 54397
 Ion Ratio Lower Upper
 83 100
 85 67.3 44.5 82.7
 127 7.7 7.0 10.4

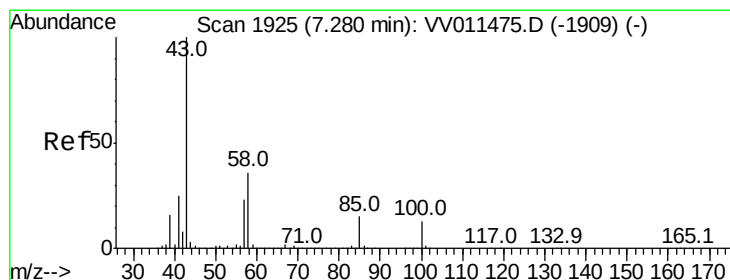
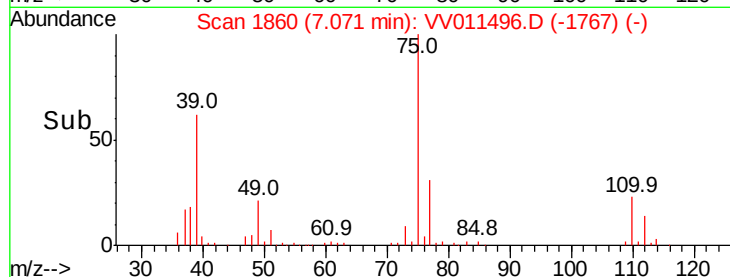
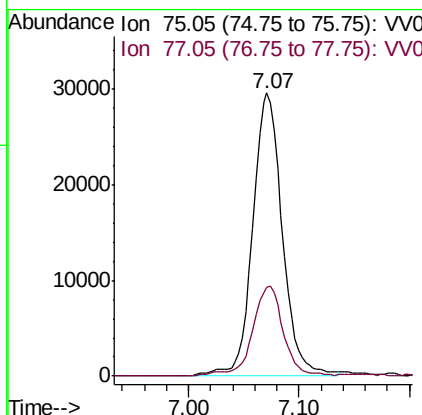
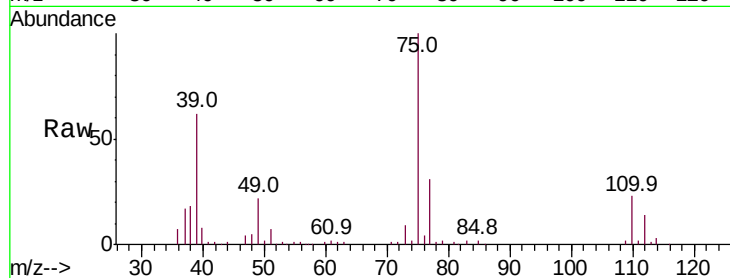




#39
 cis-1,3-Dichloropropene
 Concen: 4.530 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV011496.D
 Acq: 14 Jun 2019 09:06

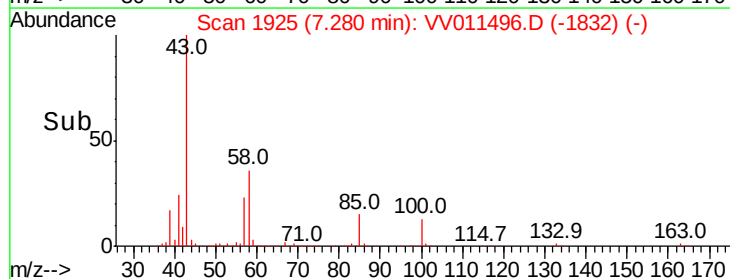
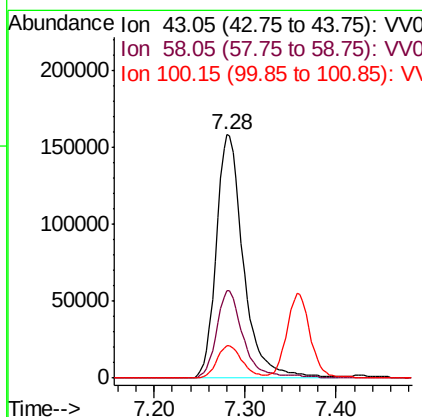
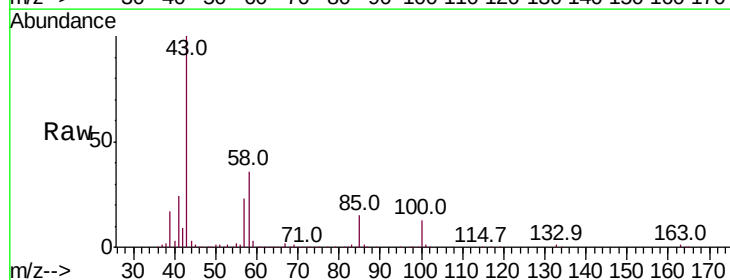
Instrument :
 MSVOA_V
 ClientSampleId :

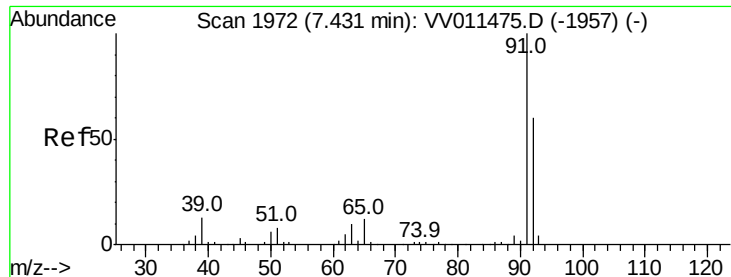
Tot Ion: 75 Resp: 55367
 Ion Ratio Lower Upper
 75 100
 77 31.3 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 61.650 ug/L
 RT: 7.28 min Scan# 1925
 Delta R.T. 0.00 min
 Lab File: VV011496.D
 Acq: 14 Jun 2019 09:06

Tgt Ion: 43 Resp: 327965
 Ion Ratio Lower Upper
 43 100
 58 34.9 29.3 43.9
 100 12.7 10.6 16.0





#42

Toluene

Concen: 5.246 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV011496.D

Acq: 14 Jun 2019 09:06

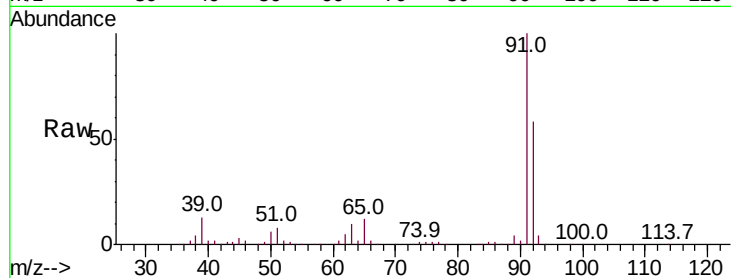
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 187673

Ion Ratio Lower Upper

91 100

92 57.7 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.43

120000

100000

80000

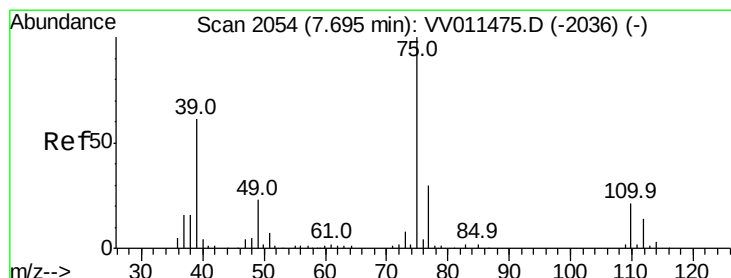
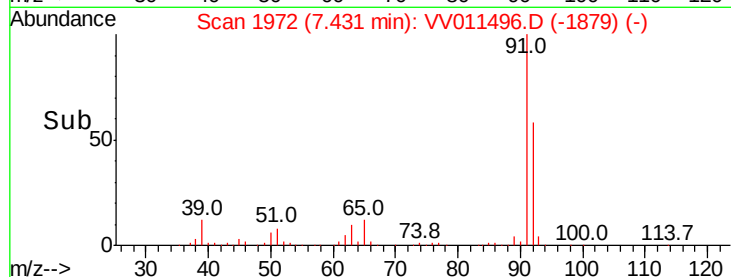
60000

40000

20000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.560 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV011496.D

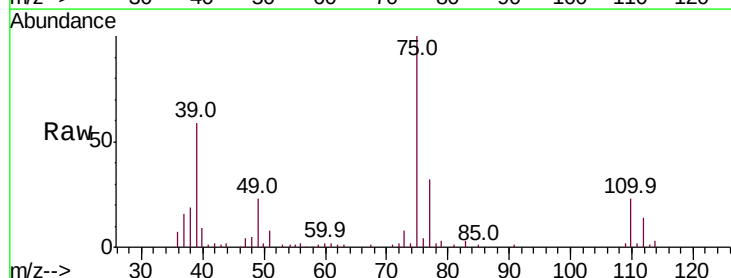
Acq: 14 Jun 2019 09:06

Tgt Ion: 75 Resp: 42373

Ion Ratio Lower Upper

75 100

77 31.8 23.1 42.9



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.69

25000

20000

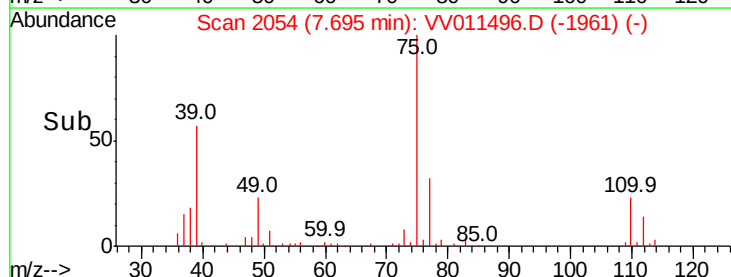
15000

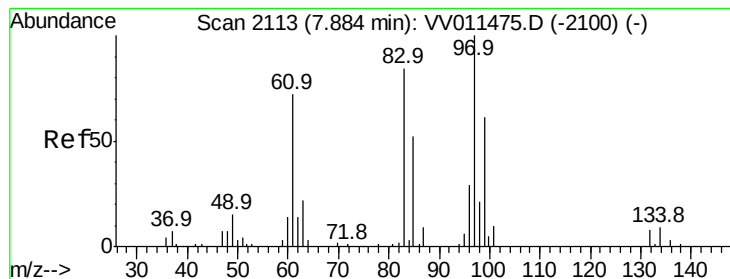
10000

5000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 6.104 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VV011496.D

Acq: 14 Jun 2019 09:06

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 97 Resp: 32640

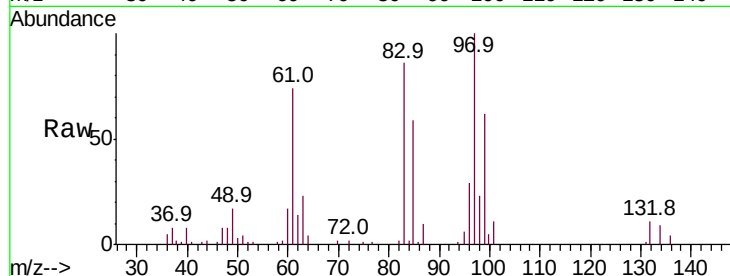
Ion Ratio Lower Upper

97 100

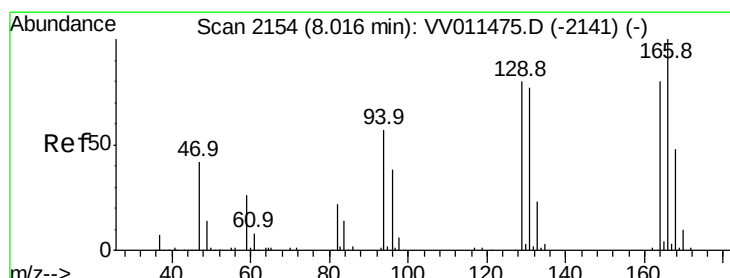
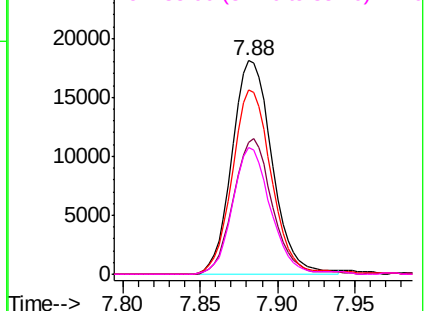
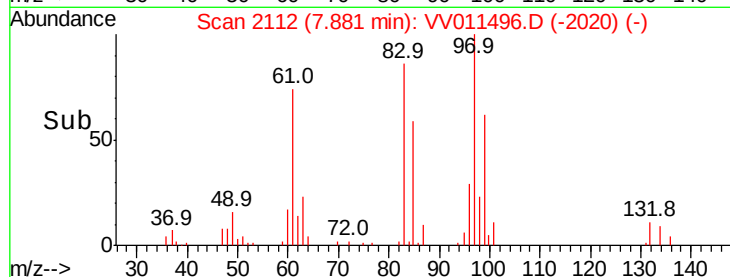
99 61.6 42.1 78.3

83 86.2 59.4 110.2

85 59.4 39.7 73.7



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



#47

Tetrachloroethene

Concen: 4.718 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV011496.D

Acq: 14 Jun 2019 09:06

Tgt Ion:164 Resp: 29563

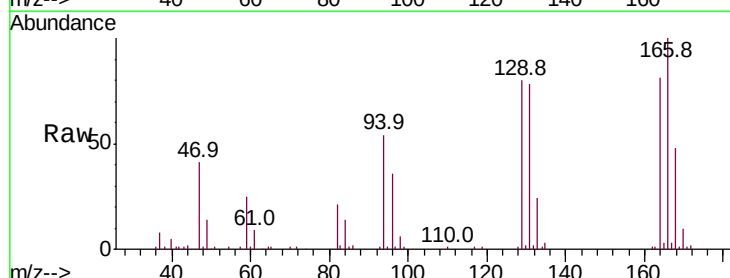
Ion Ratio Lower Upper

164 100

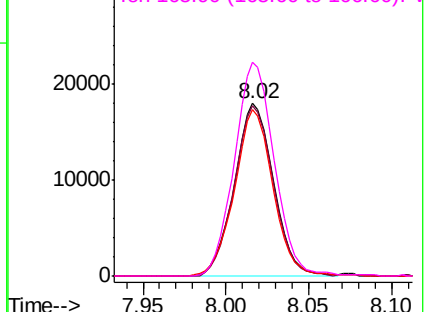
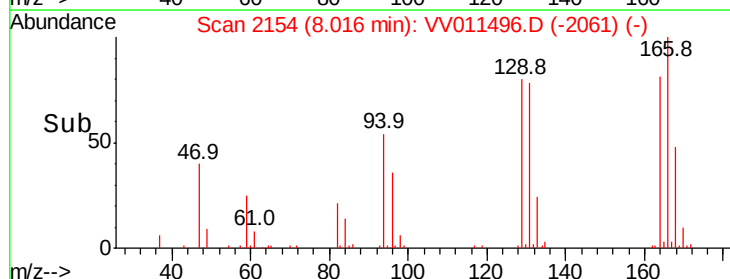
129 98.4 69.9 129.9

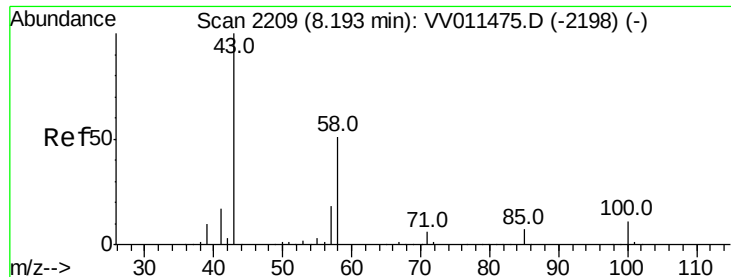
131 96.6 66.8 124.2

166 123.8 90.2 167.6



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

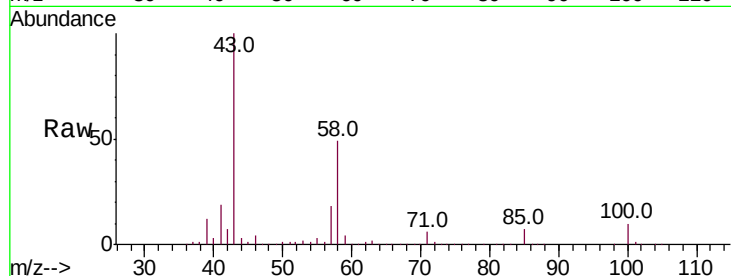




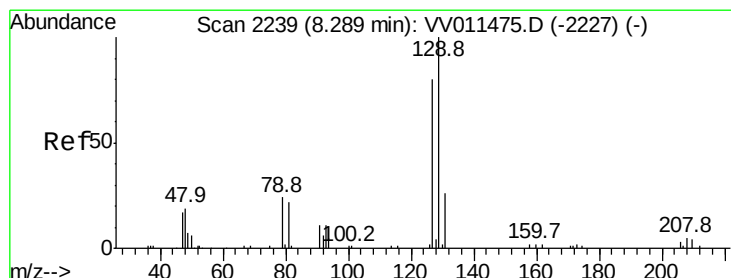
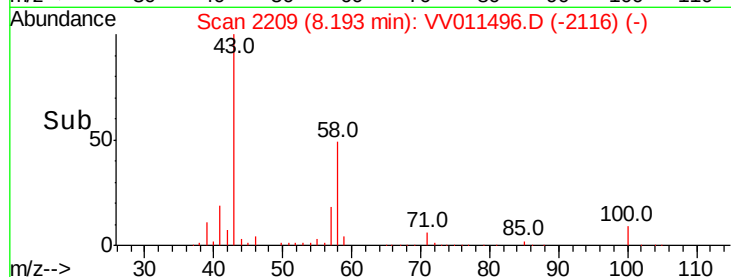
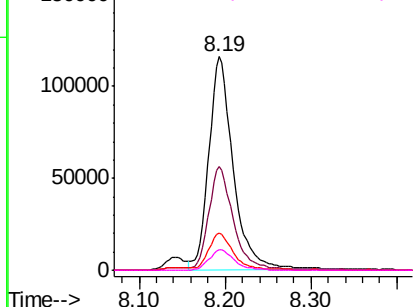
#48
2-Hexanone
Concen: 61.968 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VV011496.D
Acq: 14 Jun 2019 09:06

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 229914
Ion Ratio Lower Upper
43 100
58 48.3 41.4 62.0
57 17.5 15.0 22.4
100 10.1 9.0 13.4

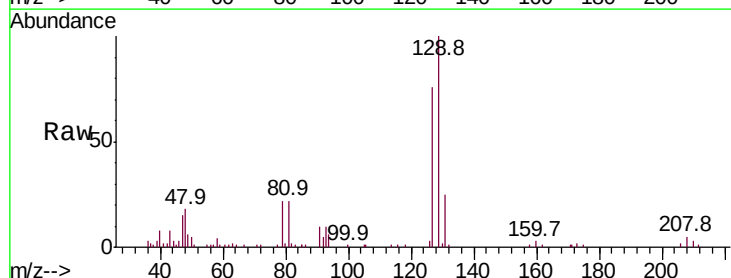


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

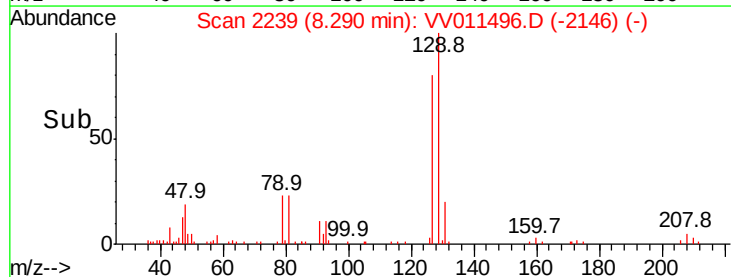
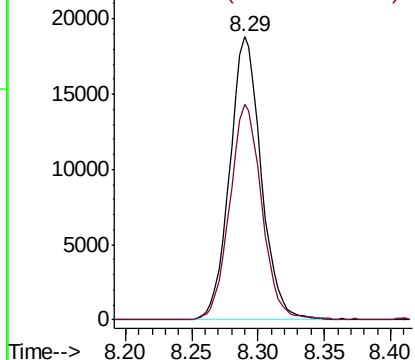


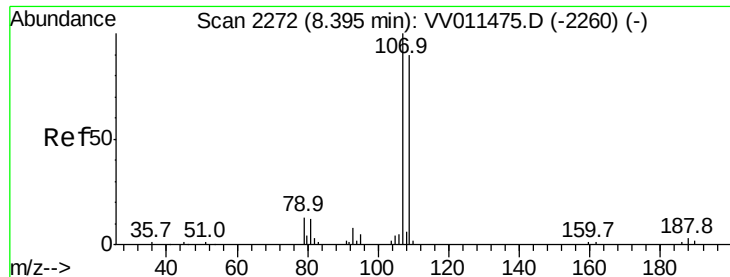
#49
Dibromochloromethane
Concen: 5.117 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV011496.D
Acq: 14 Jun 2019 09:06

Tgt Ion: 129 Resp: 31083
Ion Ratio Lower Upper
129 100
127 76.1 53.7 99.7



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

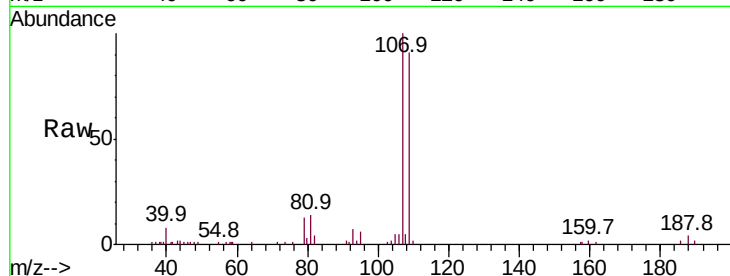




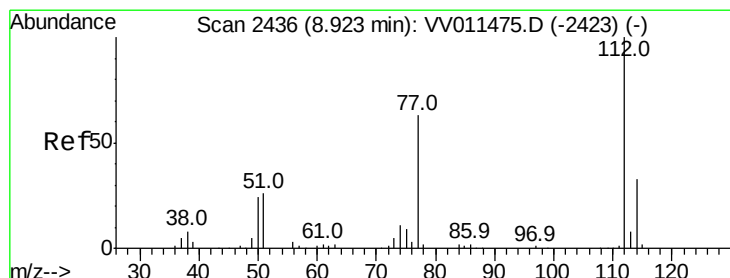
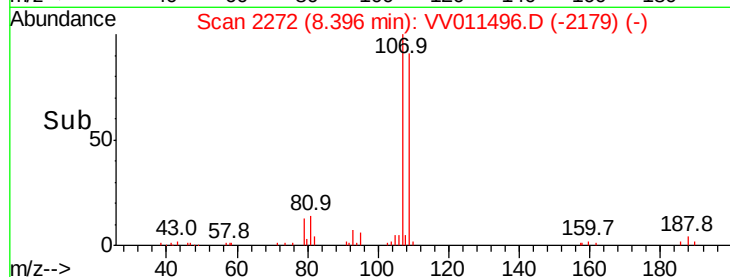
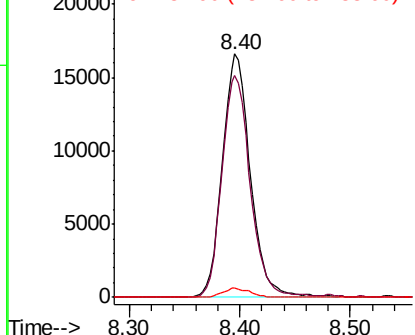
#50
1,2-Dibromoethane
Concen: 5.751 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV011496.D
Acq: 14 Jun 2019 09:06

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:107 Resp: 29234
Ion Ratio Lower Upper
107 100
109 91.2 64.5 119.9
188 3.9 2.7 4.1

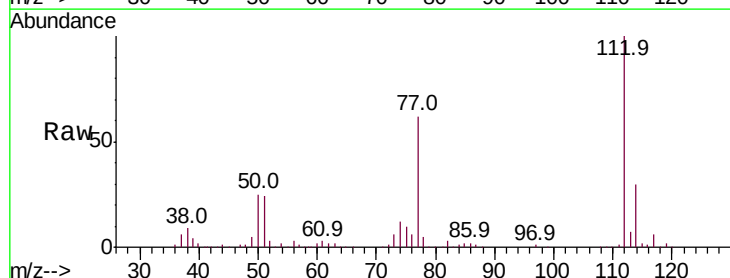


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

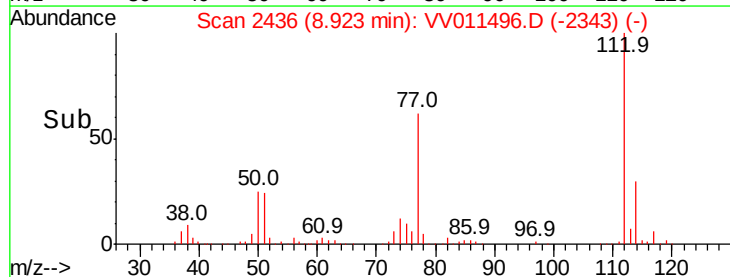
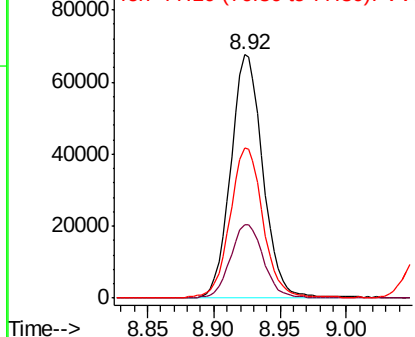


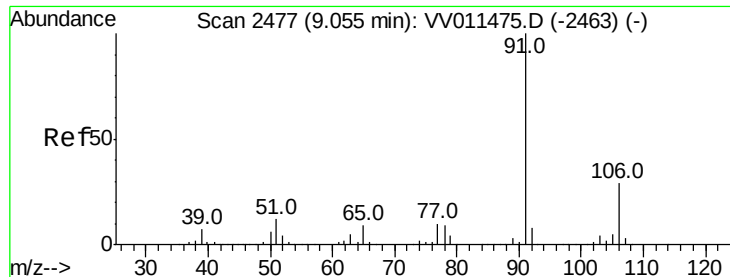
#51
Chlorobenzene
Concen: 5.215 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV011496.D
Acq: 14 Jun 2019 09:06

Tgt Ion:112 Resp: 113775
Ion Ratio Lower Upper
112 100
114 30.3 22.6 42.0
77 61.7 50.1 75.1



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: 4.738 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV011496.D

Acq: 14 Jun 2019 09:06

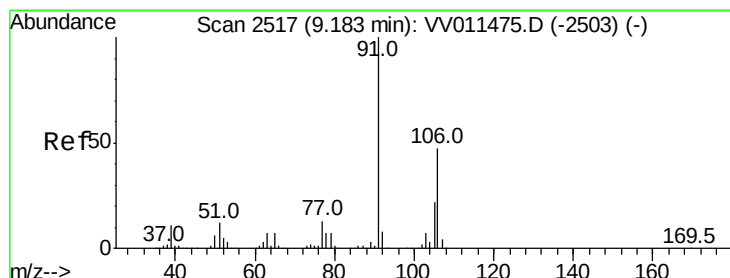
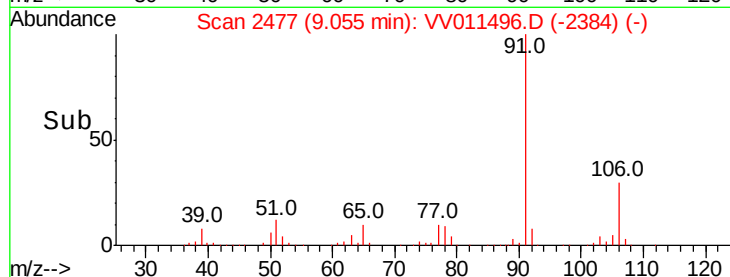
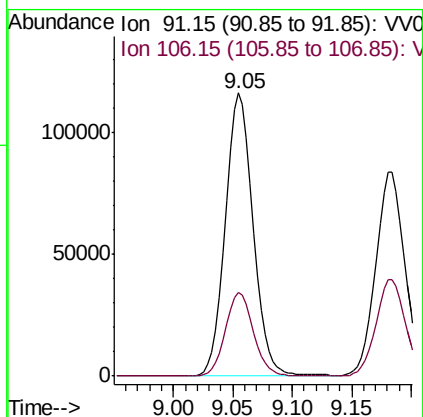
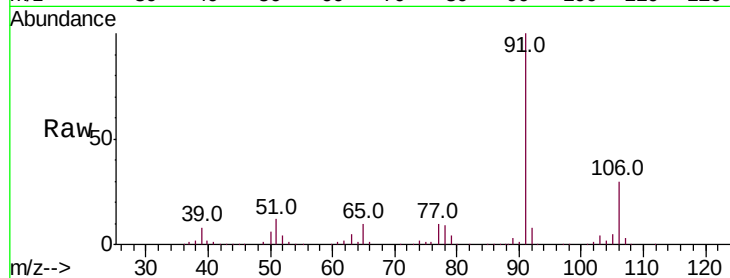
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 188232

Ion Ratio Lower Upper

91 100

106 29.8 21.5 39.9



#53

m,p-xylene

Concen: 4.709 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV011496.D

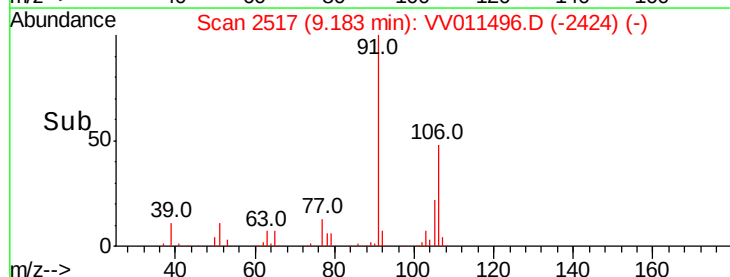
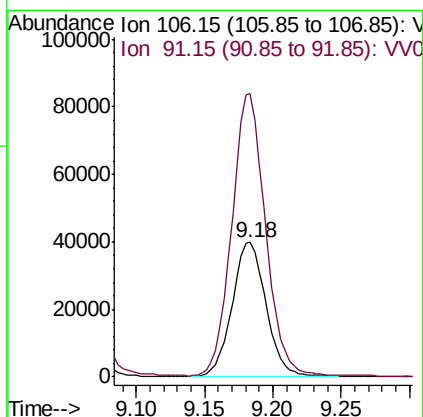
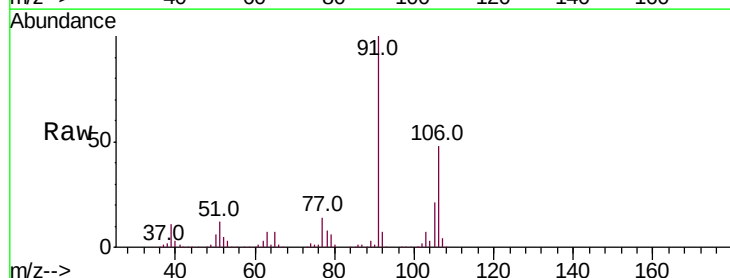
Acq: 14 Jun 2019 09:06

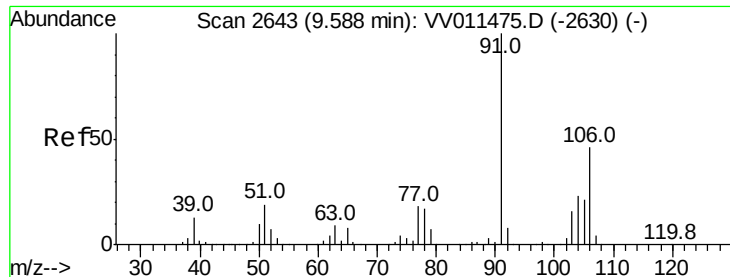
Tgt Ion: 106 Resp: 69178

Ion Ratio Lower Upper

106 100

91 210.5 145.5 270.3





#54

o-xylene

Concen: 5.031 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV011496.D

Acq: 14 Jun 2019 09:06

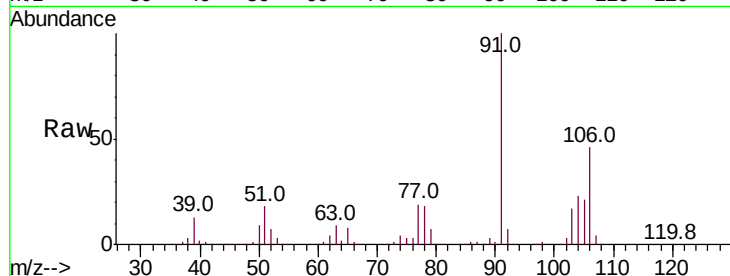
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 72544

Ion Ratio Lower Upper

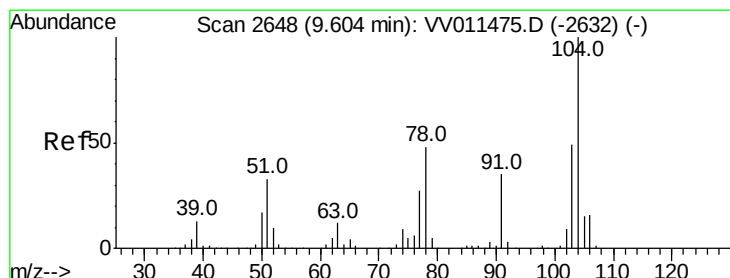
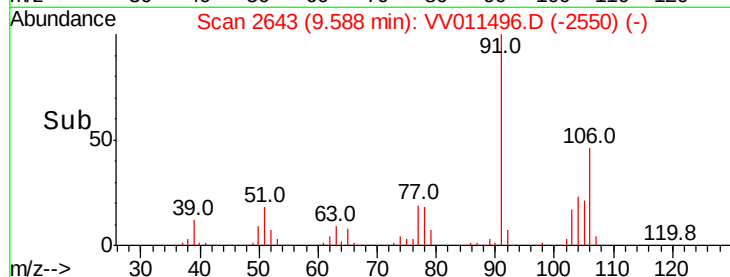
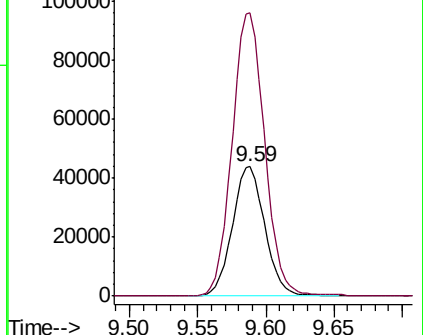
106 100

91 218.8 155.4 288.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.010 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV011496.D

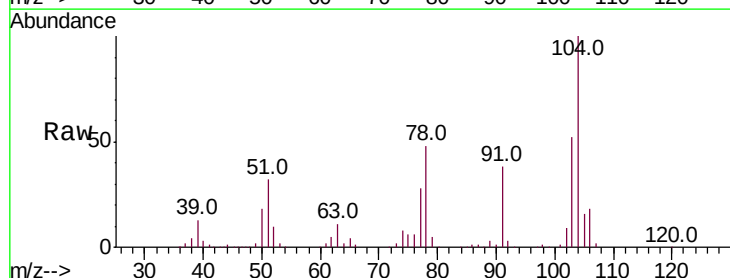
Acq: 14 Jun 2019 09:06

Tgt Ion:104 Resp: 117657

Ion Ratio Lower Upper

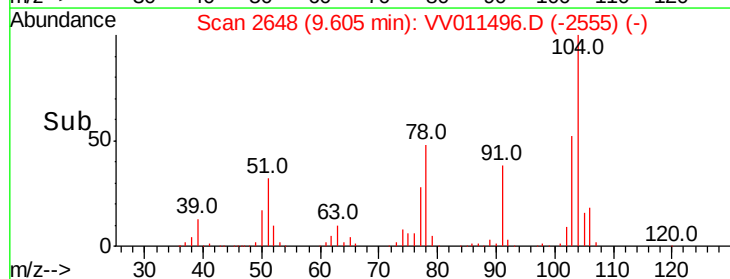
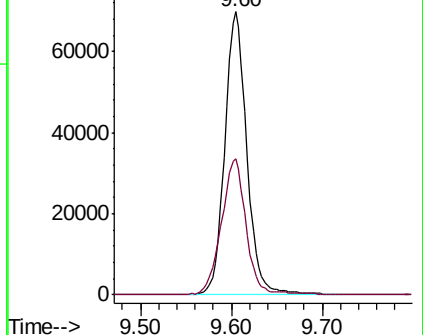
104 100

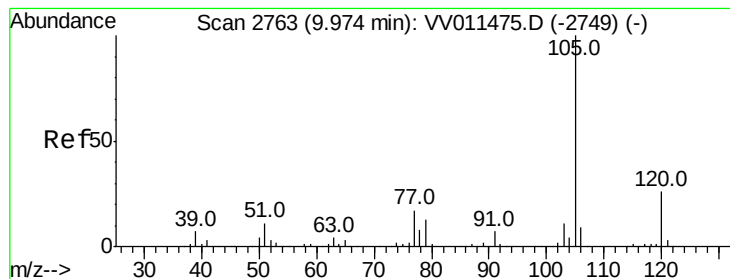
78 48.1 32.4 60.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 4.461 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV011496.D

Acq: 14 Jun 2019 09:06

Instrument :

MSVOA_V

ClientSampled :

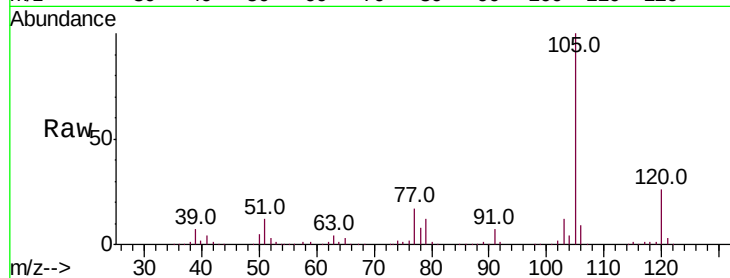
Tot Ion:105 Resp: 173097

Ion Ratio Lower Upper

105 100

120 26.0 20.9 31.3

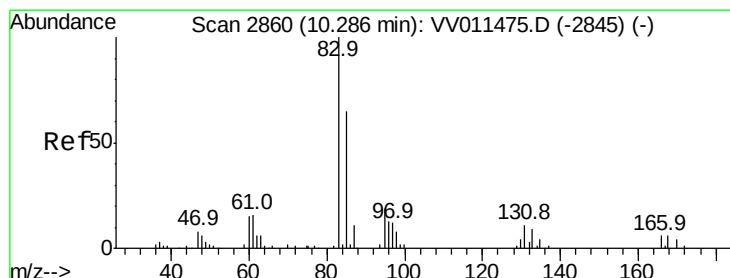
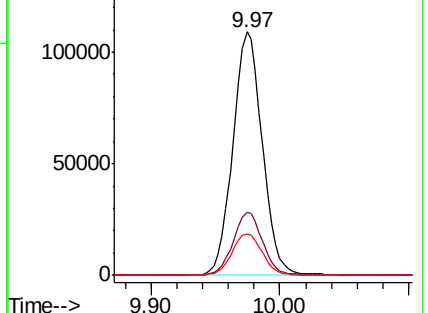
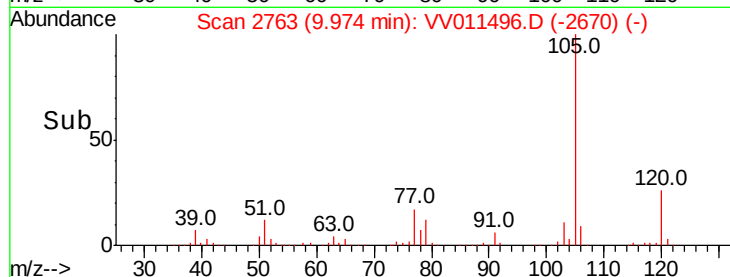
77 17.8 13.8 20.6



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: 5.904 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV011496.D

Acq: 14 Jun 2019 09:06

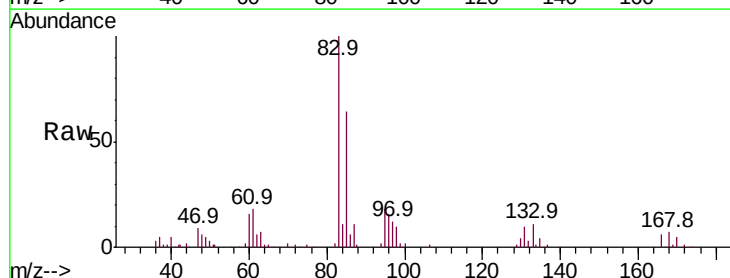
Tgt Ion: 83 Resp: 38276

Ion Ratio Lower Upper

83 100

85 63.6 43.5 80.9

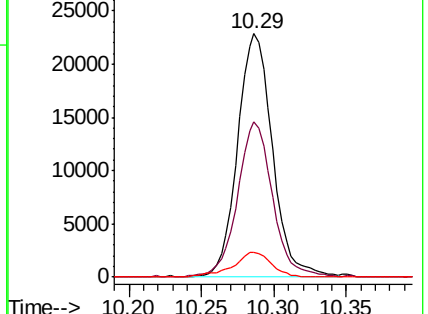
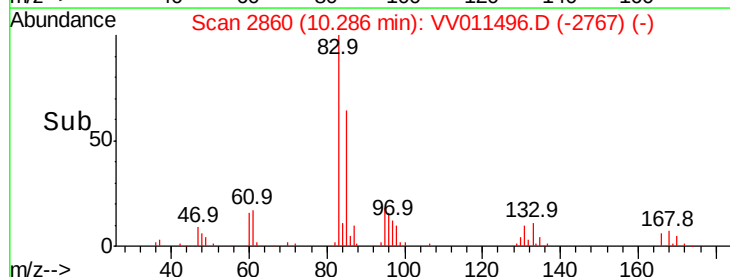
131 10.3 7.5 11.3

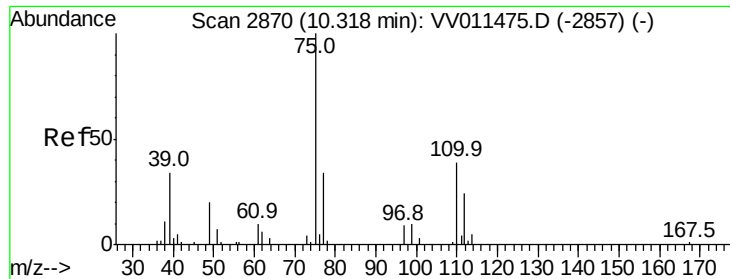


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.695 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VV011496.D

Acq: 14 Jun 2019 09:06

Instrument :

MSVOA_V

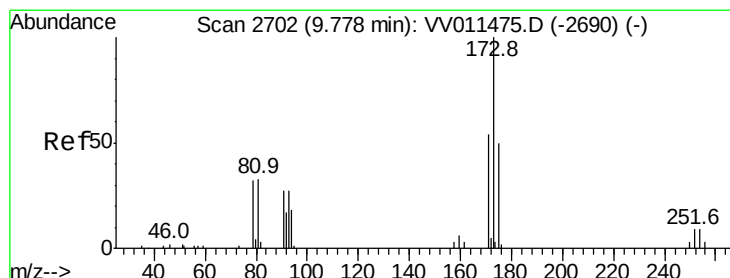
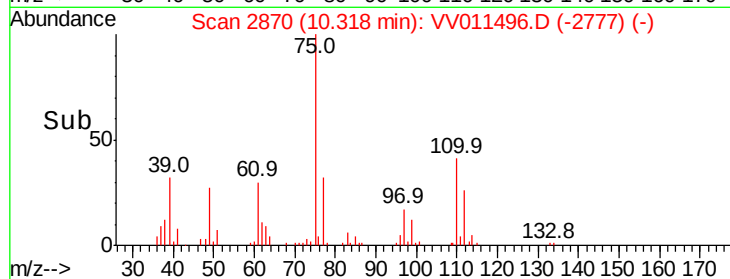
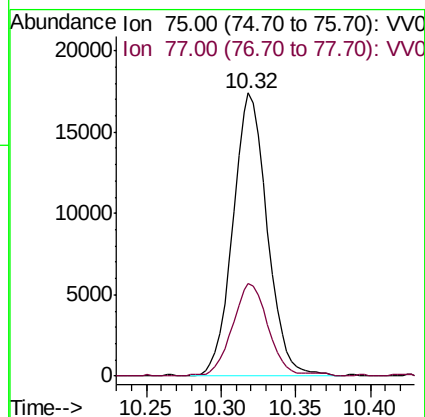
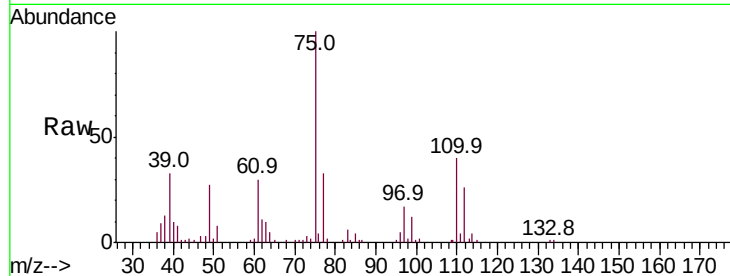
ClientSampled :

Tot Ion: 75 Resp: 27748

Ion Ratio Lower Upper

75 100

77 34.1 26.7 40.1



#61

Bromoform

Concen: 5.163 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VV011496.D

Acq: 14 Jun 2019 09:06

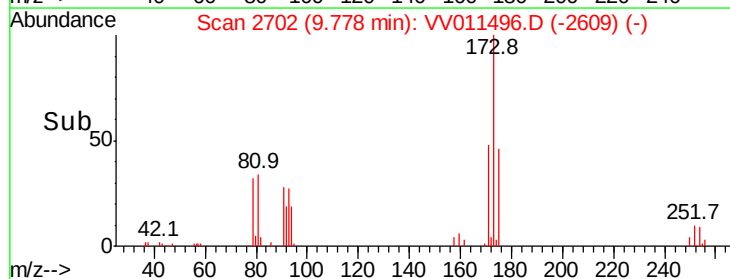
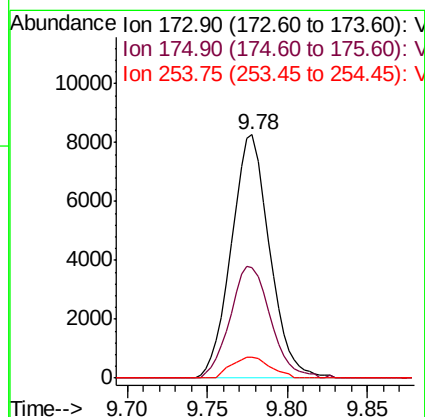
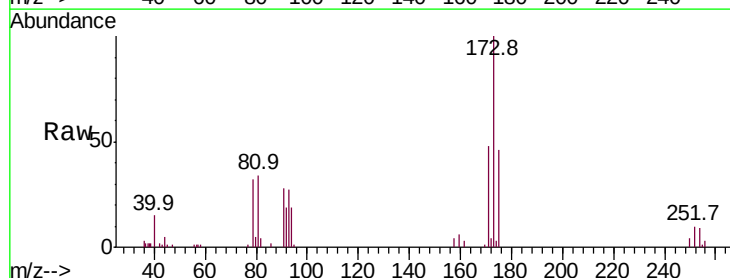
Tgt Ion: 173 Resp: 13508

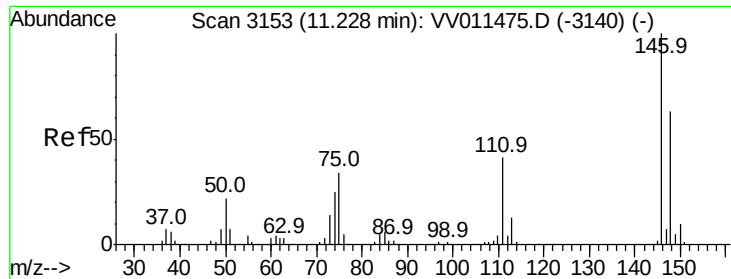
Ion Ratio Lower Upper

173 100

175 48.3 37.0 55.4

254 8.7 6.9 10.3

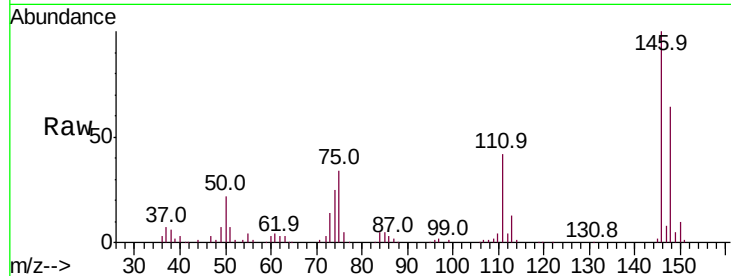




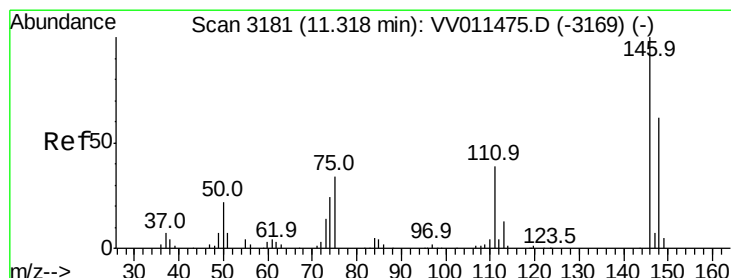
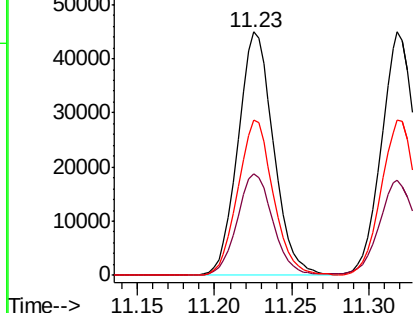
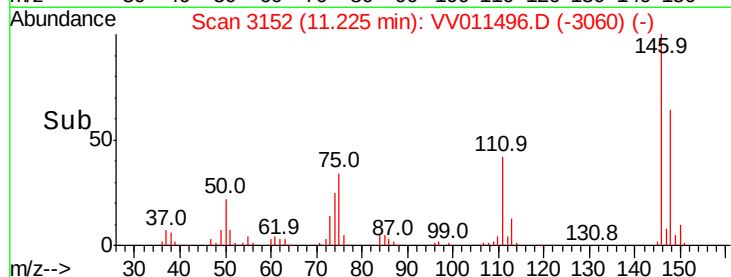
#62
 1,3-Dichlorobenzene
 Concen: 4.994 ug/L
 RT: 11.23 min Scan# 3152
 Delta R.T. -0.00 min
 Lab File: VV011496.D
 Acq: 14 Jun 2019 09:06

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion:146 Resp: 71918
 Ion Ratio Lower Upper
 146 100
 111 41.8 29.0 53.9
 148 63.6 44.0 81.8

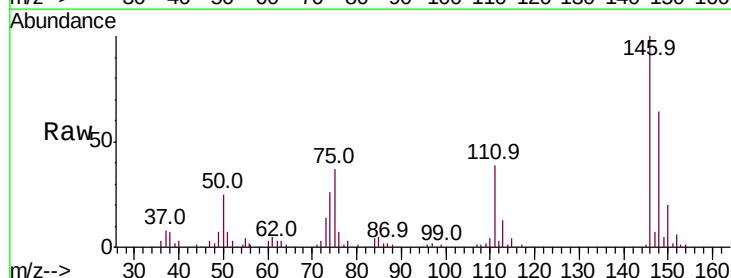


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

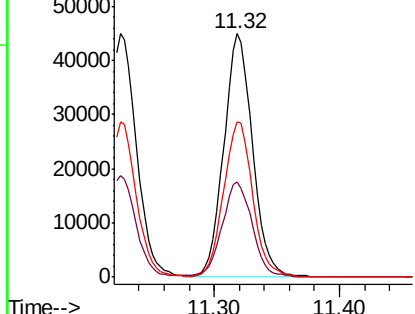
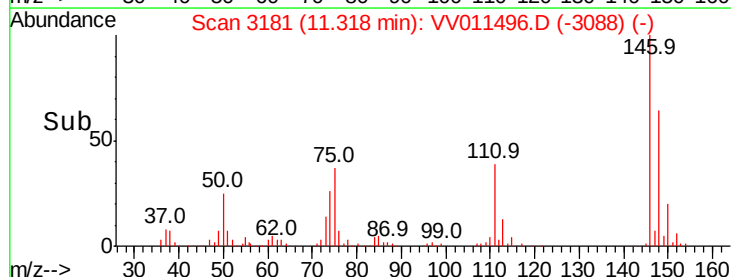


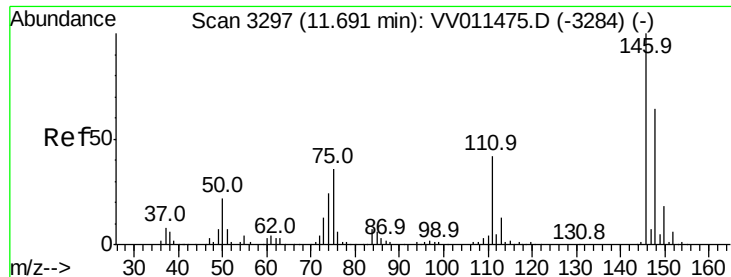
#63
 1,4-Dichlorobenzene
 Concen: 5.102 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV011496.D
 Acq: 14 Jun 2019 09:06

Tgt Ion:146 Resp: 71334
 Ion Ratio Lower Upper
 146 100
 111 39.0 28.3 52.5
 148 63.7 44.6 82.8



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

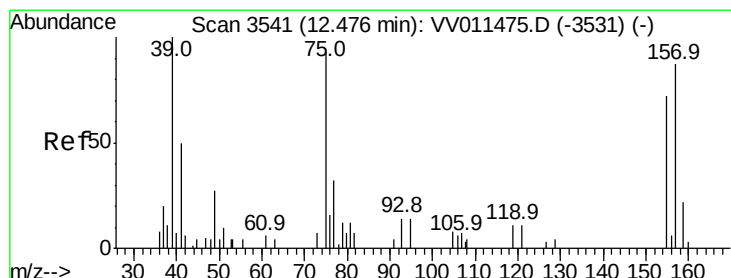
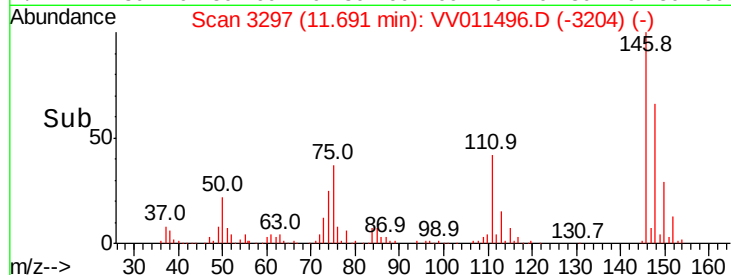
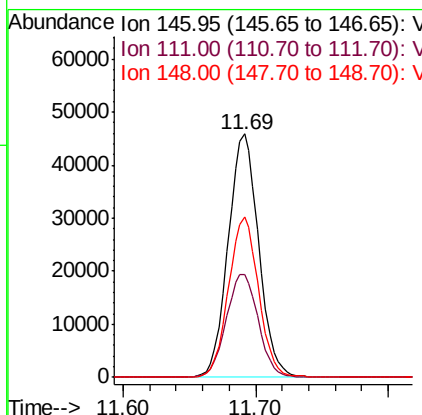
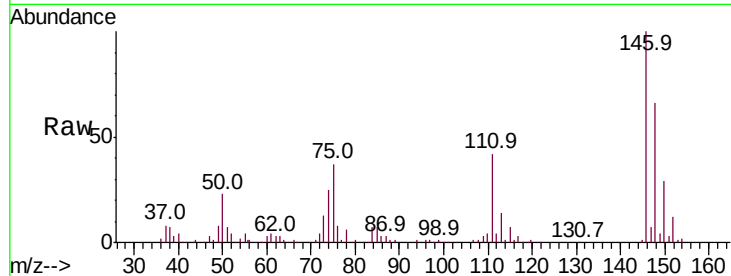




#65
 1,2-Dichlorobenzene
 Concen: 5.512 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VV011496.D
 Acq: 14 Jun 2019 09:06

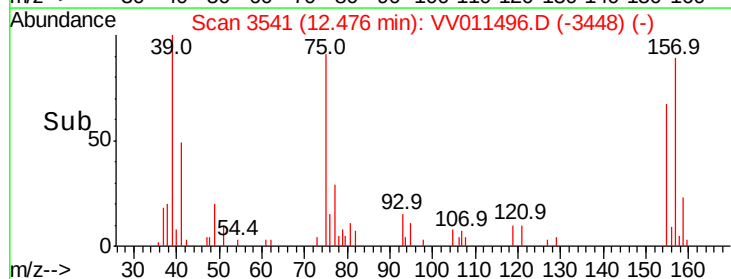
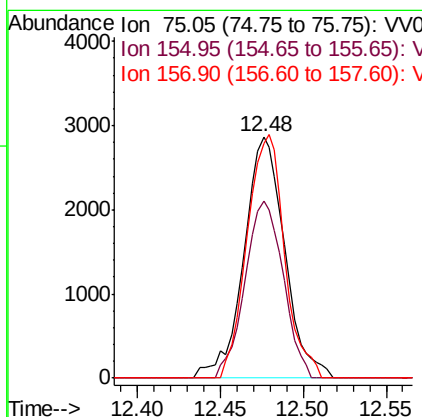
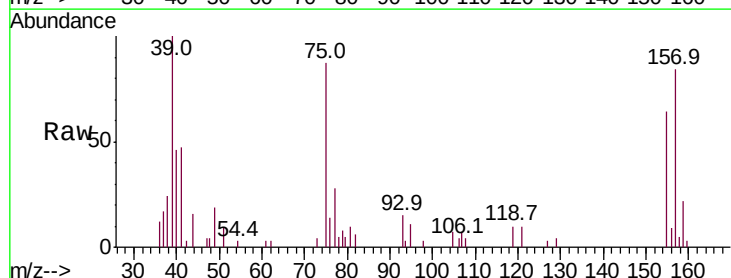
Instrument :
 MSVOA_V
 ClientSampleId :

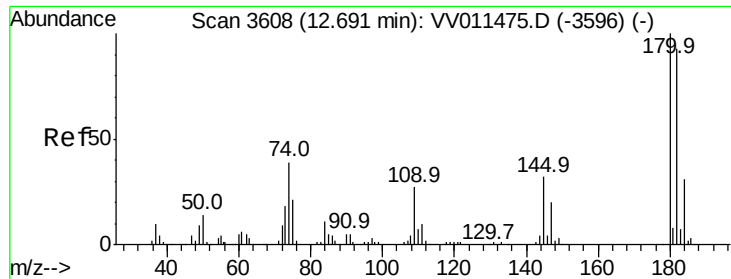
Tot Ion:146 Resp: 73371
 Ion Ratio Lower Upper
 146 100
 111 42.0 33.9 50.9
 148 65.6 50.3 75.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.150 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. 0.00 min
 Lab File: VV011496.D
 Acq: 14 Jun 2019 09:06

Tgt Ion: 75 Resp: 4913
 Ion Ratio Lower Upper
 75 100
 155 73.6 64.4 96.6
 157 97.1 66.7 100.1

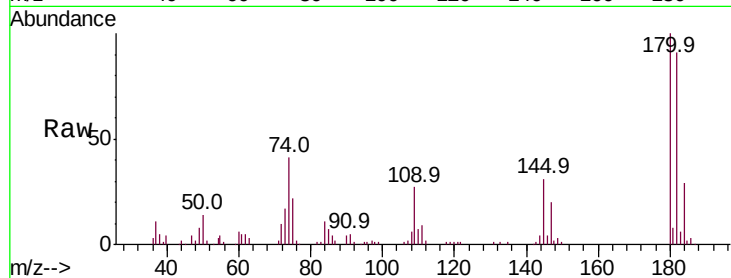




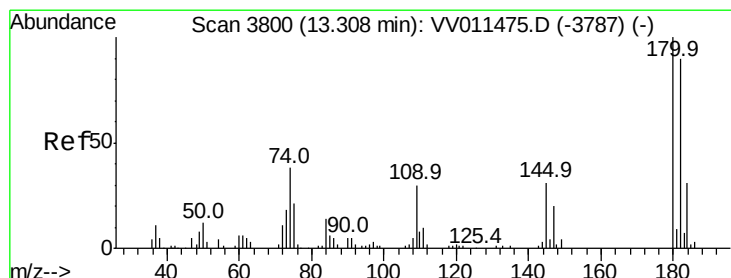
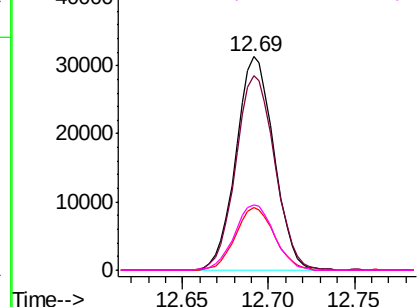
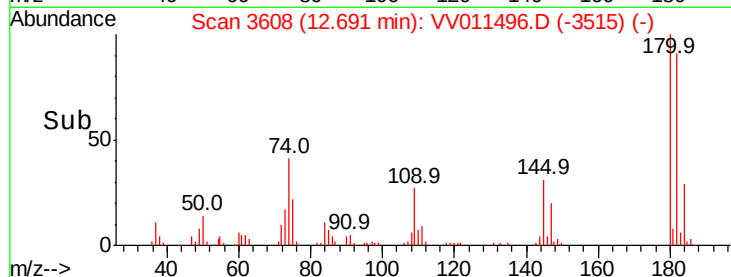
#67
 1,3,5-Trichlorobenzene
 Concen: 4.647 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV011496.D
 Acq: 14 Jun 2019 09:06

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 48145
 Ion Ratio Lower Upper
 180 100
 182 93.7 76.7 115.1
 184 30.0 23.8 35.8
 145 32.1 24.2 36.2

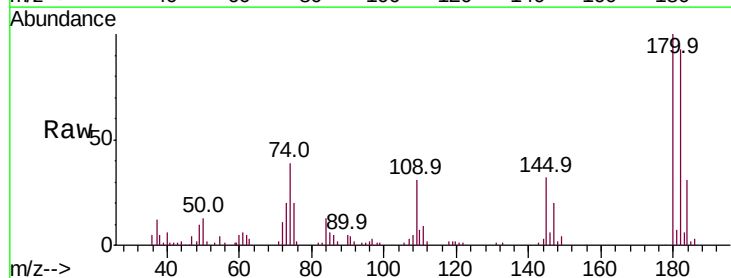


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

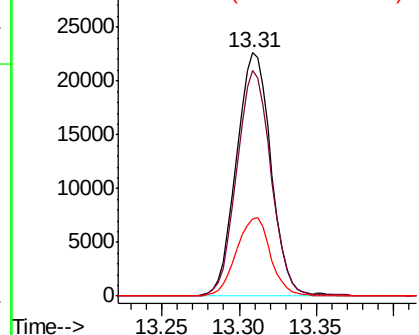
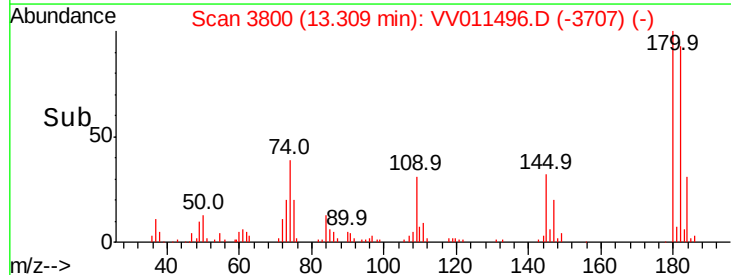


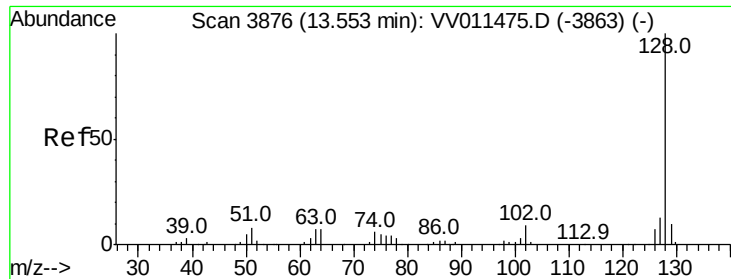
#68
 1,2,4-trichlorobenzene
 Concen: 4.451 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV011496.D
 Acq: 14 Jun 2019 09:06

Tgt Ion:180 Resp: 35010
 Ion Ratio Lower Upper
 180 100
 182 92.1 78.8 118.2
 145 31.8 26.3 39.5



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: 4.581 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV011496.D

Acq: 14 Jun 2019 09:06

Instrument :

MSVOA_V

ClientSampleId :

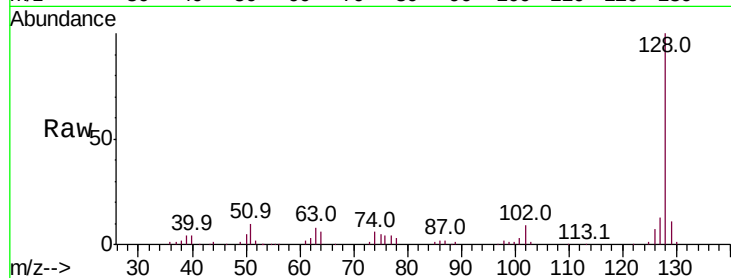
Tot Ion:128 Resp: 58988

Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

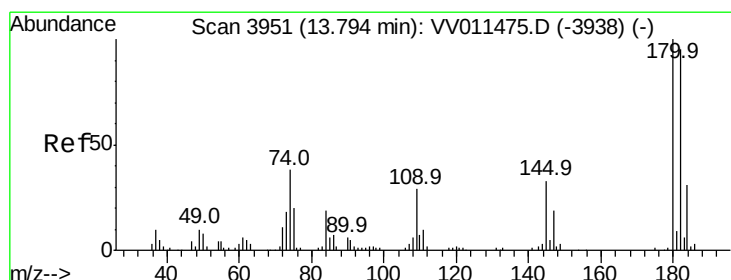
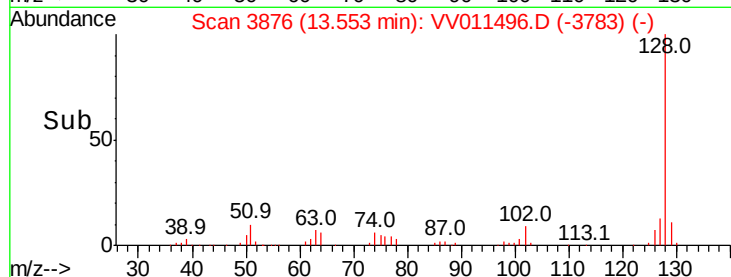
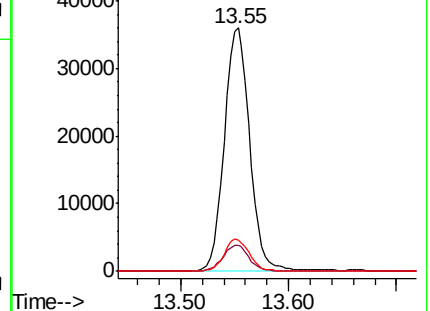
127 13.1 10.5 15.7



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: 4.849 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VV011496.D

Acq: 14 Jun 2019 09:06

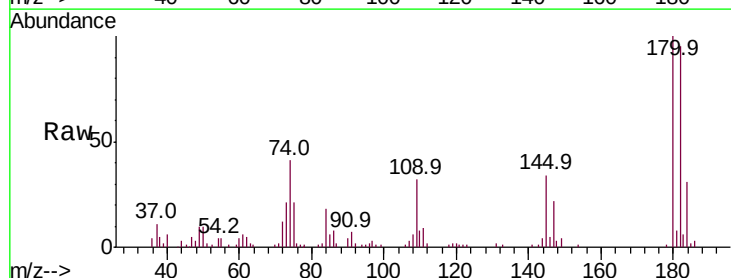
Tgt Ion:180 Resp: 34201

Ion Ratio Lower Upper

180 100

182 95.6 78.6 117.8

145 34.7 26.9 40.3



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

