

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062419\
 Data File : VV011724.D
 Acq On : 24 Jun 2019 10:35
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25ML/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 25 08:19:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR062119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Jun 24 05:42:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	199252	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	190354	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	92225	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	57152	4.32	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.40%
7) Chloroethane-d5	1.58	69	45995	4.95	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.00%
11) 1,1-Dichloroethene-d2	2.13	63	120120	4.47	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.40%
20) 2-Butanone-d5	3.94	46	154556	44.37	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.74%
24) Chloroform-d	4.40	84	119984	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.40%
26) 1,2-Dichloroethane-d4	5.08	65	64090	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.40%
32) Benzene-d6	5.09	84	240097	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.40%
36) 1,2-Dichloropropane-d6	6.12	67	71945	4.40	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.00%
41) Toluene-d8	7.36	98	222705	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.60%
43) trans-1,3-Dichloropropene-	7.66	79	26508	4.64	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.80%
46) 2-Hexanone-d5	8.13	63	120214	44.83	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.66%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	52260	4.59	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	78014	4.48	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	96584	4.660	ug/L 97
3) Chloromethane	1.25	50	101815	5.414	ug/L 98
5) Vinyl chloride	1.32	62	88021	4.777	ug/L 98
6) Bromomethane	1.53	94	45593	5.677	ug/L 99
8) Chloroethane	1.60	64	51959	5.396	ug/L 95
9) Trichlorofluoromethane	1.77	101	121262	5.087	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	65135	4.822	ug/L 100
12) 1,1-Dichloroethene	2.14	96	59049	4.789	ug/L 98
13) Acetone	2.19	43	109984	43.706	ug/L 98
14) Carbon disulfide	2.32	76	163512	4.927	ug/L 99
15) Methyl Acetate	2.46	43	29076	4.640	ug/L 97
16) Methylene chloride	2.53	84	68386	4.977	ug/L 97
17) Methyl tert-butyl Ether	2.81	73	160291	4.752	ug/L 98
18) trans-1,2-Dichloroethene	2.78	96	70763	4.881	ug/L 97
19) 1,1-Dichloroethane	3.23	63	138495	4.806	ug/L 99
21) 2-Butanone	4.03	43	191334	47.192	ug/L 99
22) cis-1,2-Dichloroethene	3.96	96	75156	4.717	ug/L 98

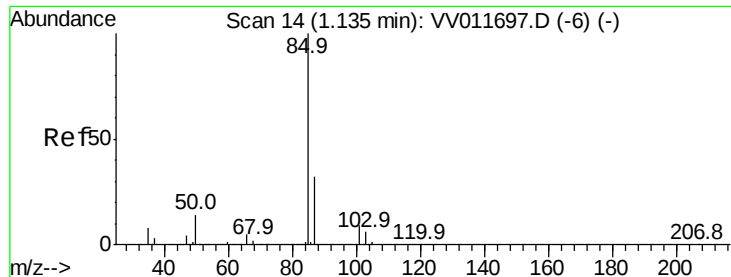
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062419\
 Data File : VV011724.D
 Acq On : 24 Jun 2019 10:35
 Operator : SY/MD
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Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 25 08:19:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR062119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Jun 24 05:42:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	29807	4.965	ug/L	99
25) Chloroform	4.42	83	142575	4.506	ug/L	97
27) 1,2-Dichloroethane	5.18	62	88801	4.632	ug/L	99
29) 1,1,1-Trichloroethane	4.65	97	119317	4.868	ug/L	98
30) Cyclohexane	4.72	56	126884	4.532	ug/L	97
31) Carbon tetrachloride	4.87	117	99838	4.819	ug/L	99
33) Benzene	5.14	78	297907	4.721	ug/L	100
34) Trichloroethene	5.96	95	77376	4.624	ug/L	98
35) Methylcyclohexane	6.17	83	132035	4.887	ug/L	95
37) 1,2-Dichloropropane	6.22	63	75936	4.739	ug/L	99
38) Bromodichloromethane	6.55	83	89549	4.901	ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	103720	4.933	ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	478018	47.561	ug/L	100
42) Toluene	7.43	91	321521	4.876	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	80360	5.160	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	48558	4.774	ug/L	93
47) Tetrachloroethene	8.02	164	59335	4.761	ug/L	97
48) 2-Hexanone	8.18	43	340217	48.144	ug/L	99
49) Dibromochloromethane	8.29	129	51394	5.028	ug/L	97
50) 1,2-Dibromoethane	8.40	107	44518	4.794	ug/L #	99
51) Chlorobenzene	8.92	112	197332	4.826	ug/L	99
52) Ethylbenzene	9.05	91	359011	4.933	ug/L	98
53) m,p-xylene	9.18	106	132759	4.967	ug/L	99
54) o-xylene	9.59	106	130035	4.976	ug/L	97
55) Styrene	9.60	104	215561	5.176	ug/L	99
56) Isopropylbenzene	9.97	105	351897	5.026	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	57826	4.782	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	42507	4.565	ug/L	98
61) Bromoform	9.77	173	24915	4.810	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	151113	4.858	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	154102	4.795	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	140642	4.747	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.47	75	8395	4.947	ug/L	89
67) 1,3,5-Trichlorobenzene	12.69	180	116041	5.016	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	96180	5.365	ug/L	99
69) Naphthalene	13.55	128	155240	5.297	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	87434	5.247	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 4.660 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV011724.D

Acq: 24 Jun 2019 10:35

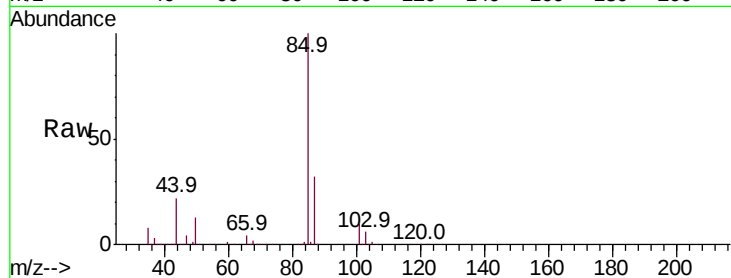
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 96584

Ion Ratio Lower Upper

85 100

87 32.6 25.0 37.4



Abundance Ion 85.00 (84.70 to 85.70): VV011697.D (-6) (-)

Ion 87.00 (86.70 to 87.70): VV011697.D (-6) (-)

1.14

100000

80000

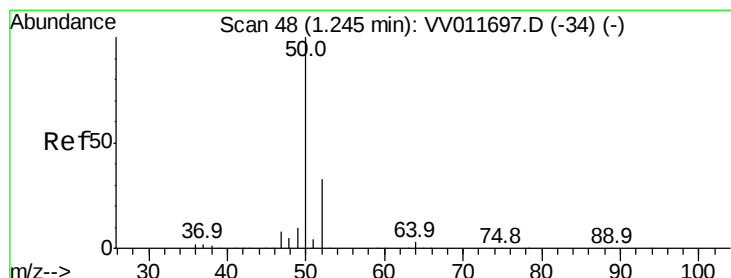
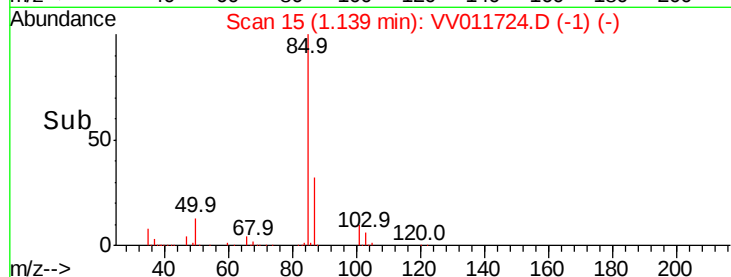
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 5.414 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.01 min

Lab File: VV011724.D

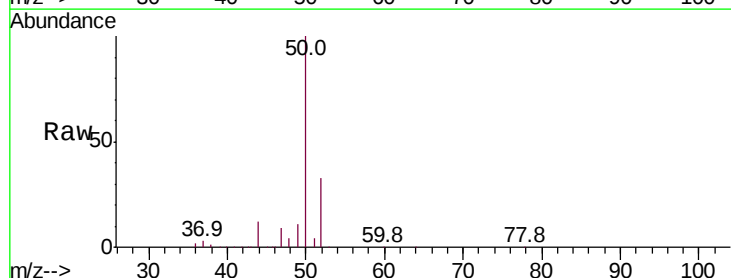
Acq: 24 Jun 2019 10:35

Tgt Ion: 50 Resp: 101815

Ion Ratio Lower Upper

50 100

52 32.6 22.0 40.8



Abundance Ion 50.05 (49.75 to 50.75): VV011697.D (-34) (-)

Ion 52.05 (51.75 to 52.75): VV011697.D (-34) (-)

1.25

120000

100000

80000

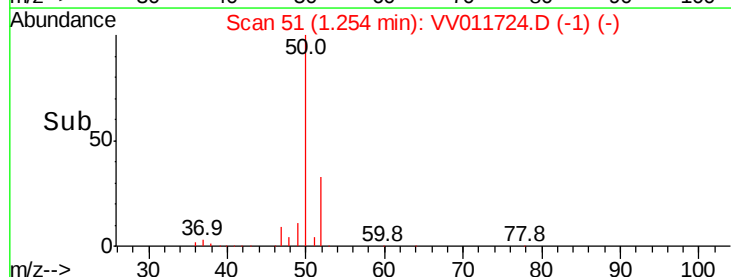
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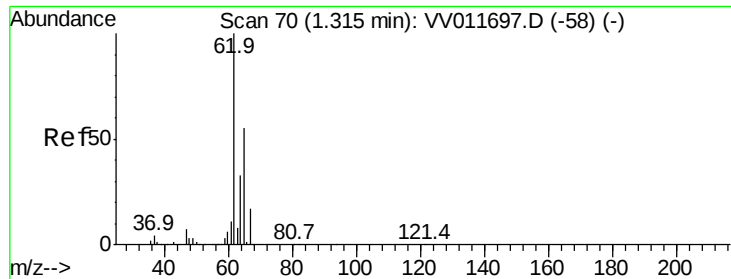
40000

20000

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Time-->





#5

Vinyl chloride

Concen: 4.777 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.01 min

Lab File: VV011724.D

Acq: 24 Jun 2019 10:35

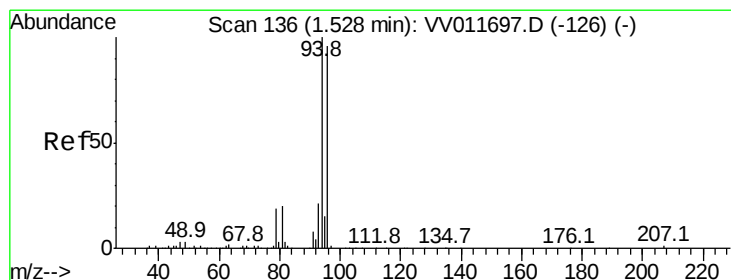
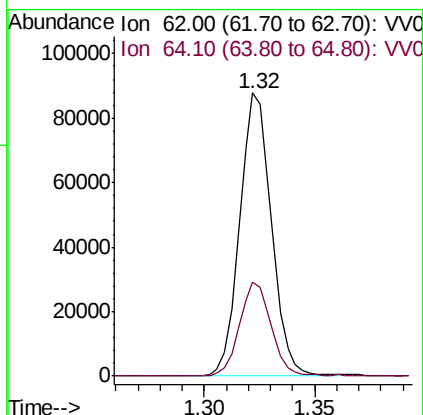
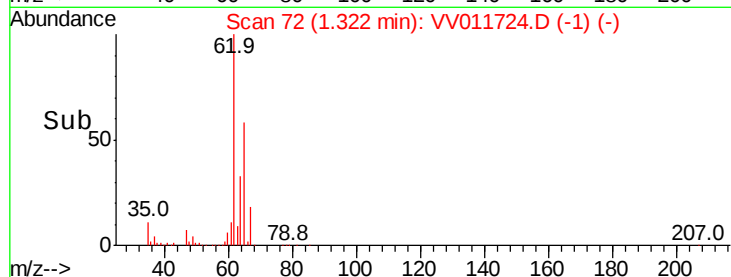
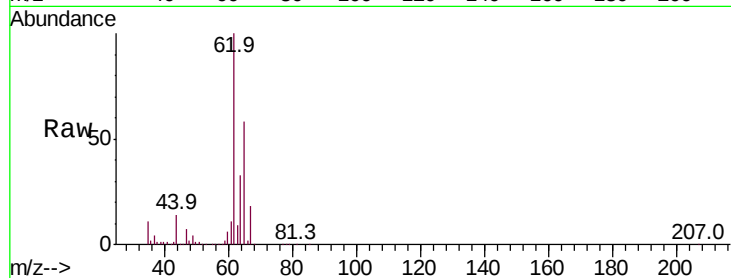
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 88021

Ion Ratio Lower Upper

62 100

64 33.2 24.1 44.7



#6

Bromomethane

Concen: 5.677 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV011724.D

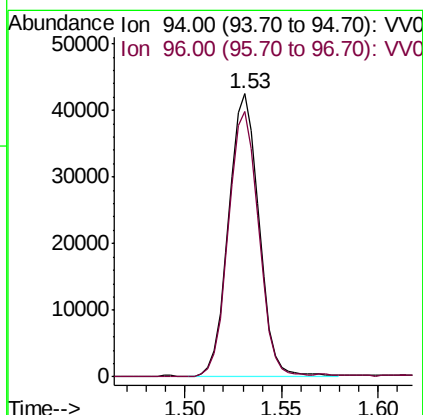
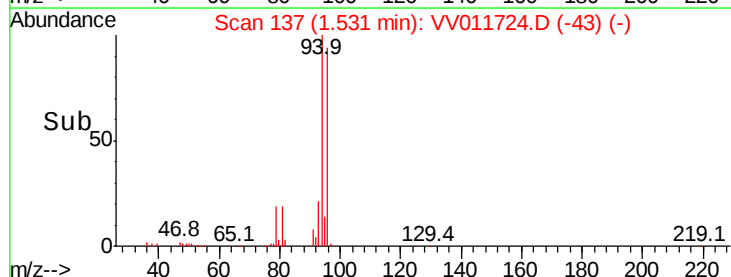
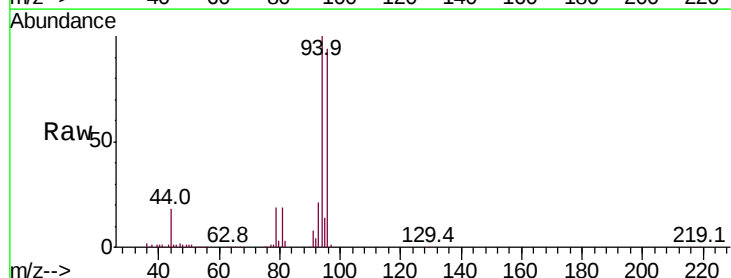
Acq: 24 Jun 2019 10:35

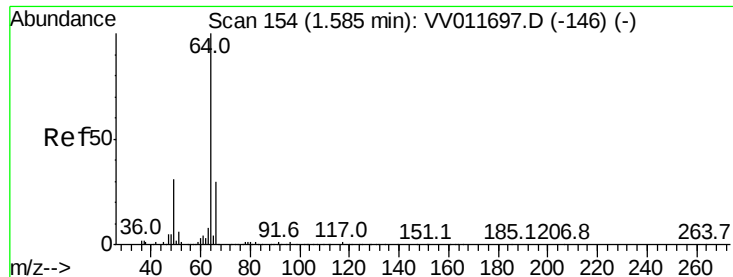
Tgt Ion: 94 Resp: 45593

Ion Ratio Lower Upper

94 100

96 93.7 65.2 121.2





#8

Chloroethane

Concen: 5.396 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.01 min

Lab File: VV011724.D

Acq: 24 Jun 2019 10:35

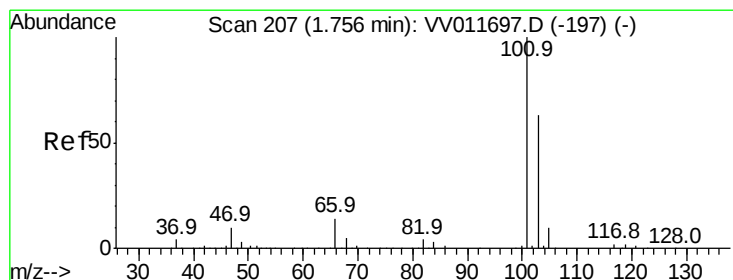
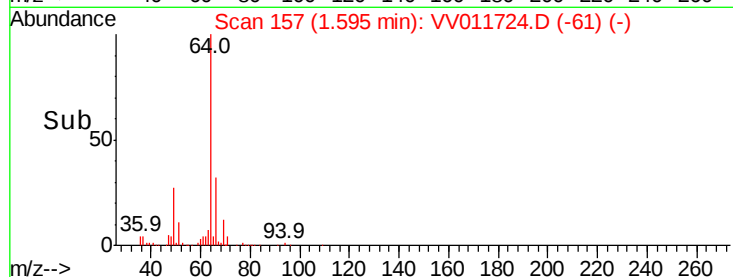
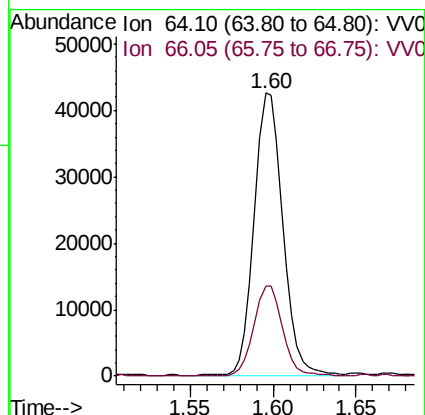
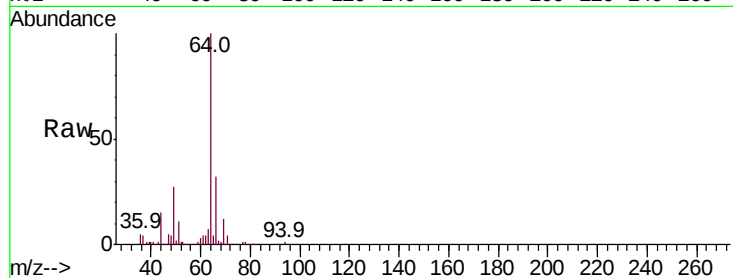
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 51959

Ion Ratio Lower Upper

64 100

66 32.0 20.6 38.4



#9

Trichlorofluoromethane

Concen: 5.087 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.01 min

Lab File: VV011724.D

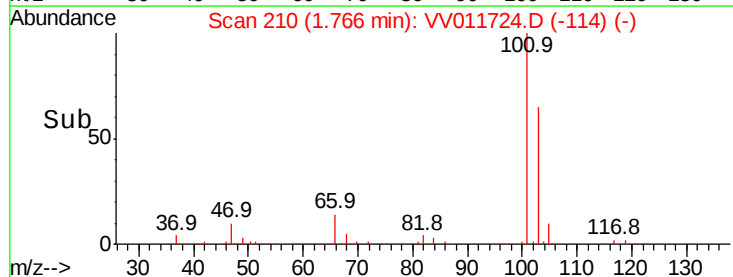
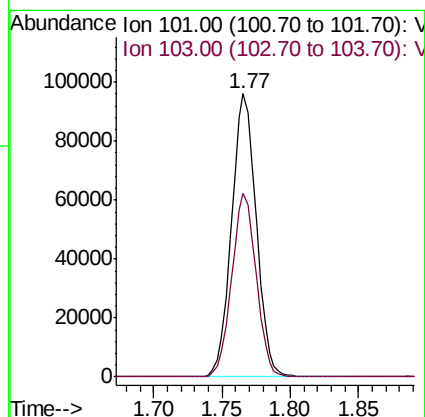
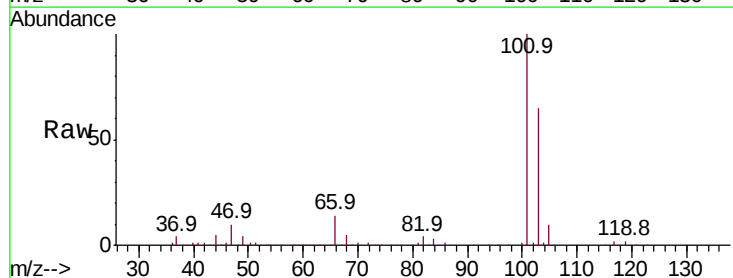
Acq: 24 Jun 2019 10:35

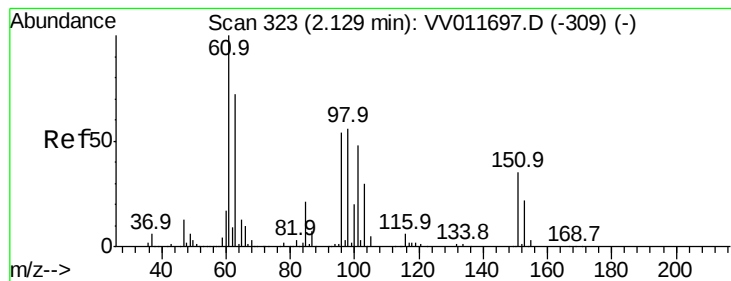
Tgt Ion: 101 Resp: 121262

Ion Ratio Lower Upper

101 100

103 64.3 52.2 78.2





#10

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

Concen: 4.822 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.01 min

Lab File: VV011724.D

Acq: 24 Jun 2019 10:35

Instrument :

MSVOA_V

ClientSampleId :

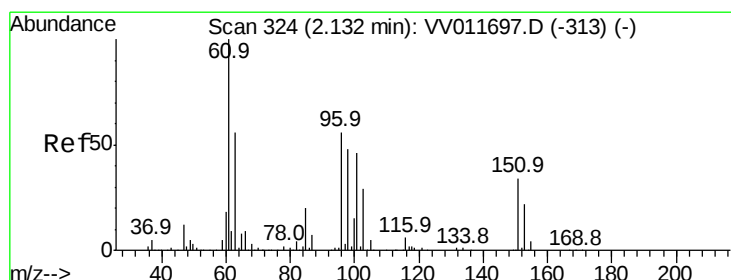
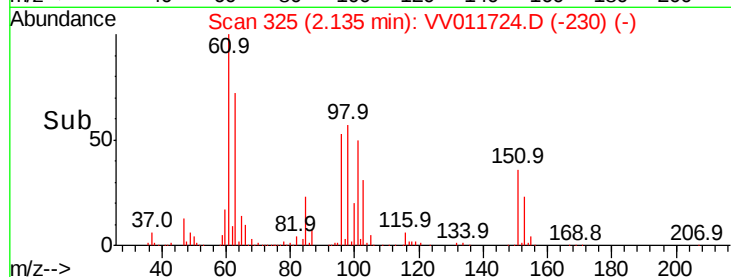
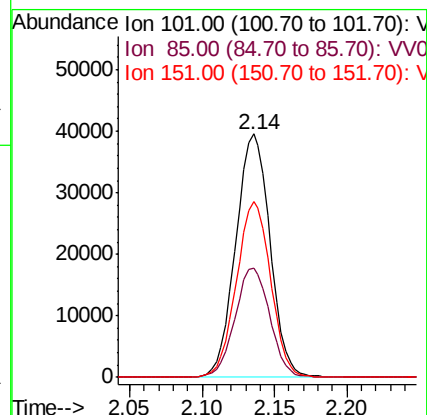
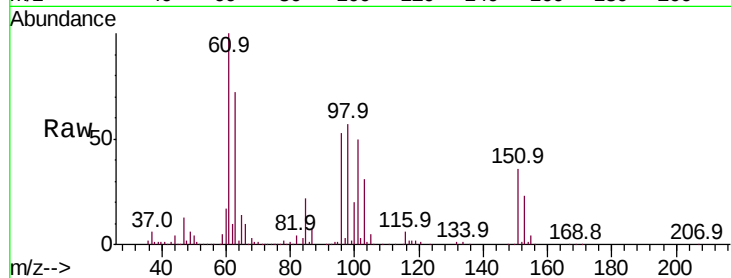
Tot Ion:101 Resp: 65135

Ion Ratio Lower Upper

101 100

85 45.6 35.9 53.9

151 71.7 57.4 86.2



#12

1,1-Dichloroethene

Concen: 4.789 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV011724.D

Acq: 24 Jun 2019 10:35

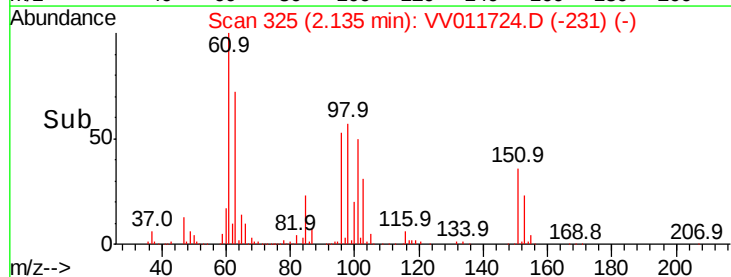
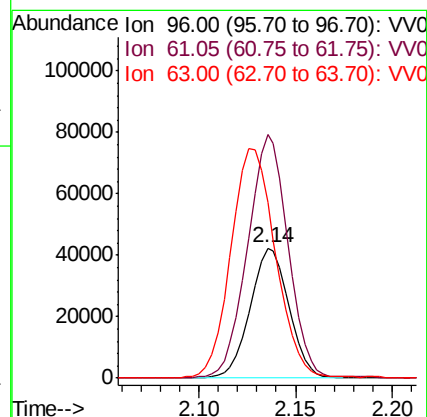
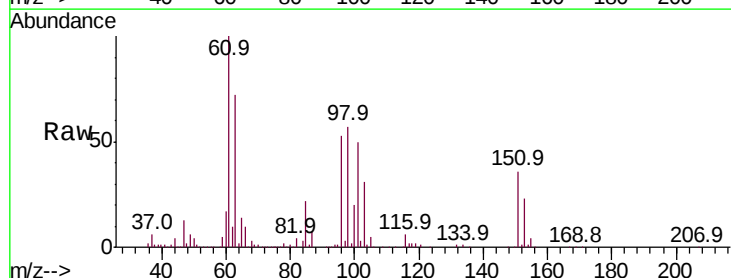
Tgt Ion: 96 Resp: 59049

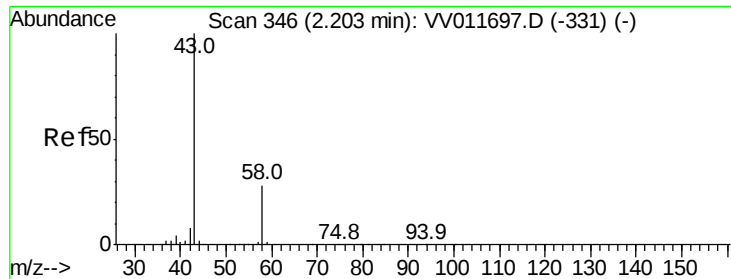
Ion Ratio Lower Upper

96 100

61 187.6 131.5 244.1

63 135.5 91.8 170.4





#13

Acetone

Concen: 43.706 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.01 min

Lab File: VV011724.D

Acq: 24 Jun 2019 10:35

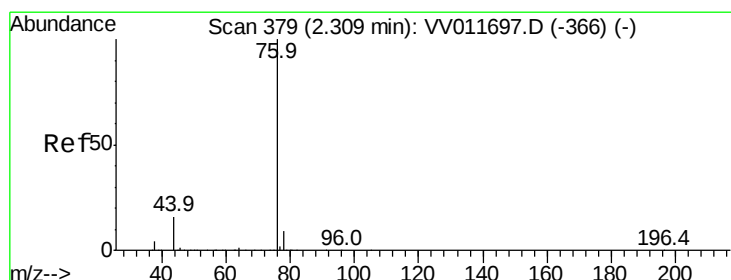
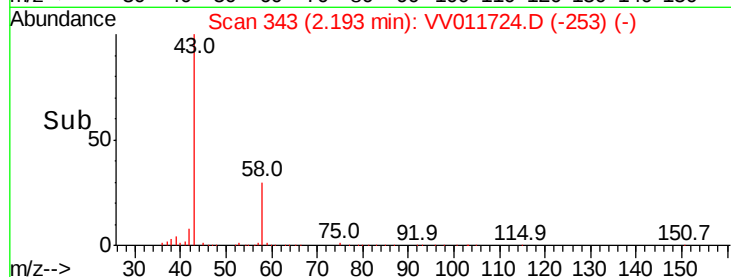
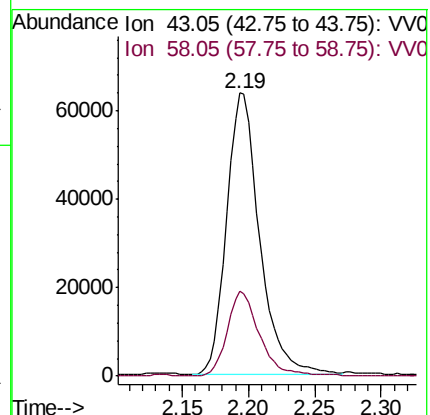
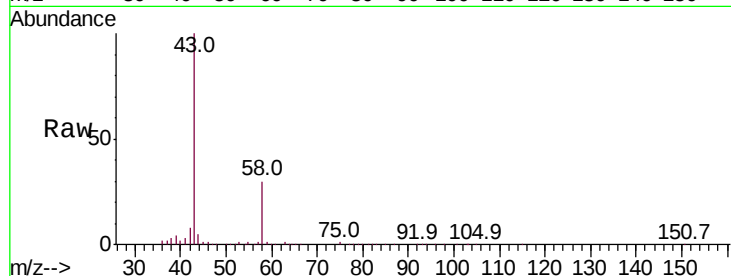
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 109984

Ion Ratio Lower Upper

43 100

58 29.3 0.0 56.6



#14

Carbon disulfide

Concen: 4.927 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.01 min

Lab File: VV011724.D

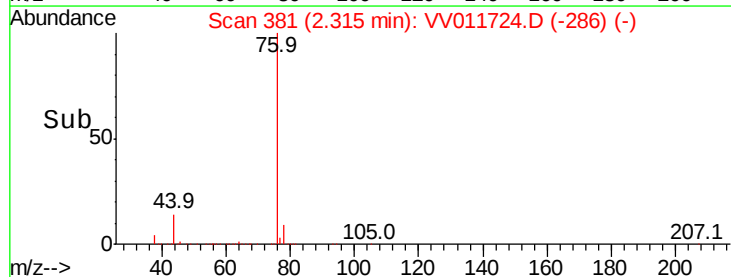
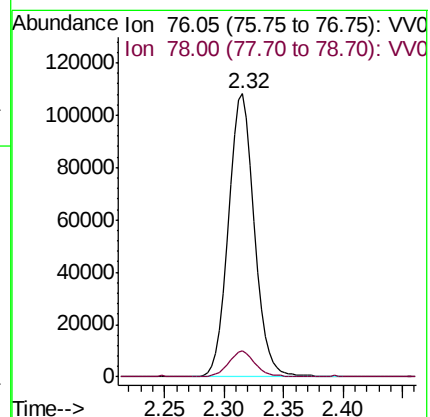
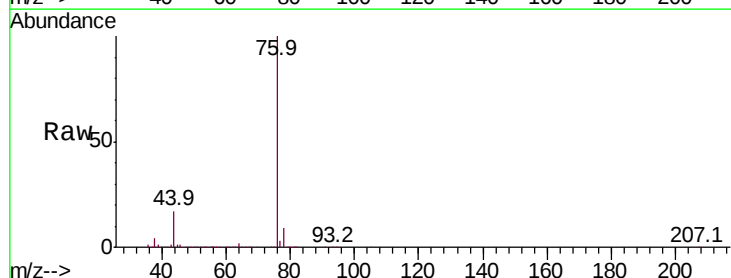
Acq: 24 Jun 2019 10:35

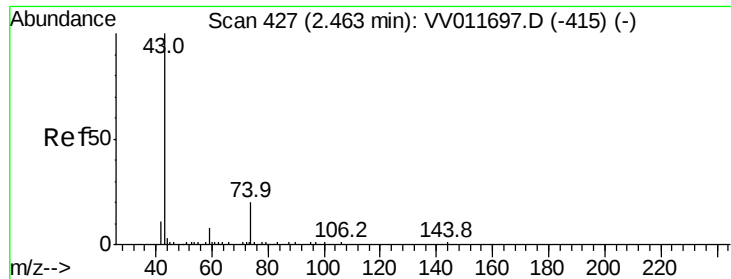
Tgt Ion: 76 Resp: 163512

Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.4

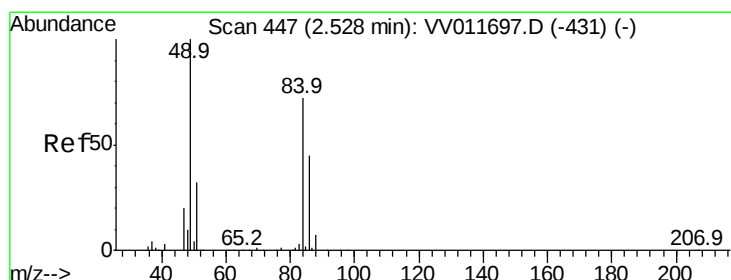
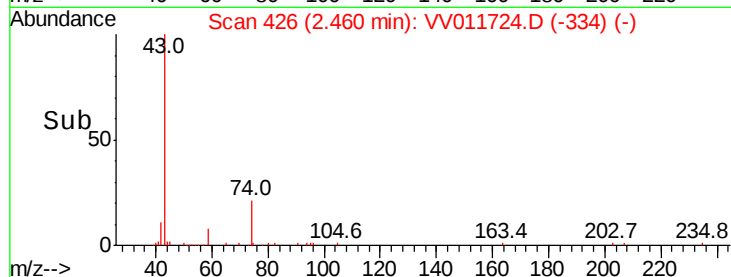
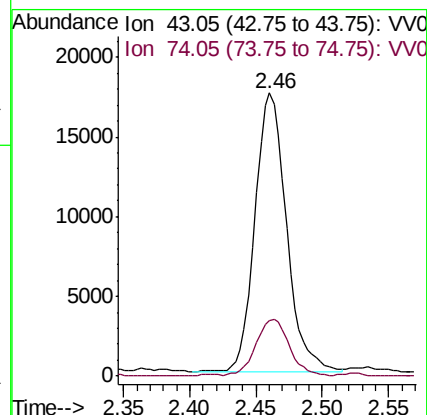
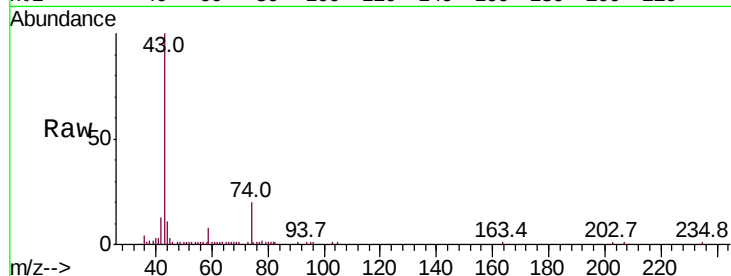




#15
Methvl Acetate
Concen: 4.640 ug/L
RT: 2.46 min Scan# 426
Delta R.T. -0.00 min
Lab File: VV011724.D
Acq: 24 Jun 2019 10:35

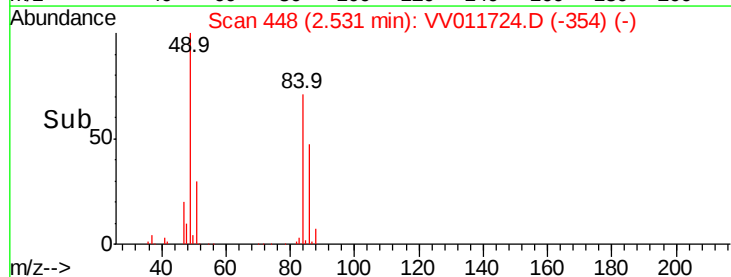
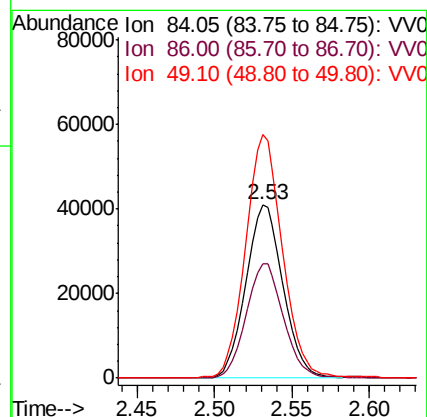
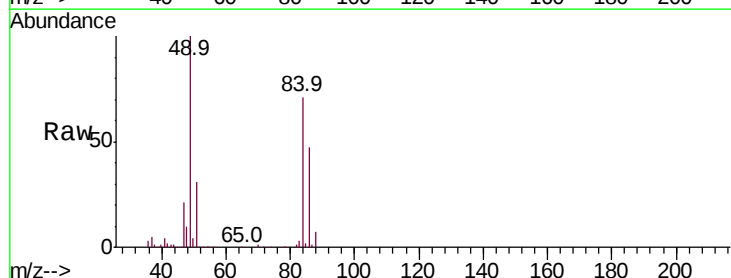
Instrument :
MSVOA_V
ClientSampleId :

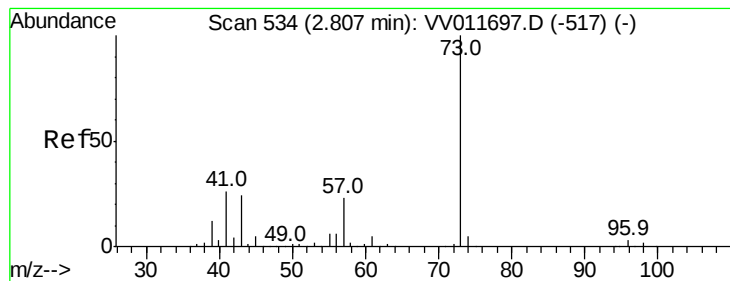
Tot Ion: 43 Resp: 29076
Ion Ratio Lower Upper
43 100
74 21.7 16.2 24.2



#16
Methylene chloride
Concen: 4.977 ug/L
RT: 2.53 min Scan# 448
Delta R.T. 0.00 min
Lab File: VV011724.D
Acq: 24 Jun 2019 10:35

Tgt Ion: 84 Resp: 68386
Ion Ratio Lower Upper
84 100
86 66.2 44.9 83.5
49 140.4 101.4 188.2



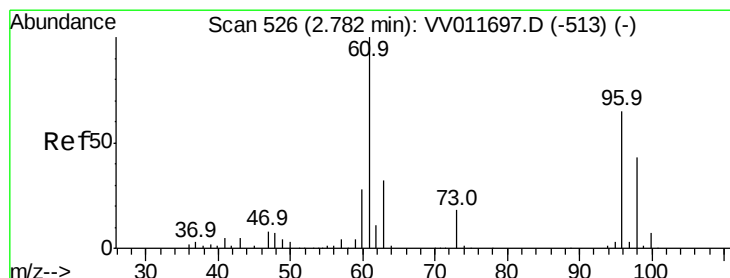
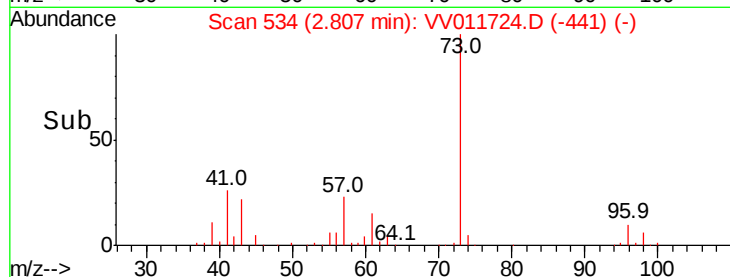
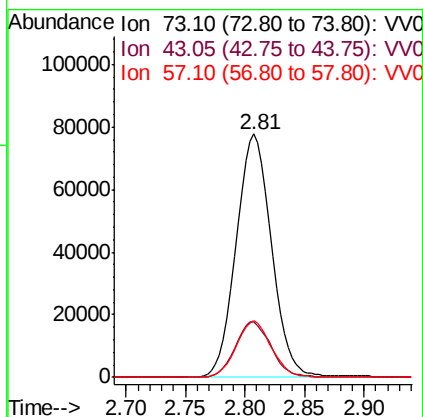
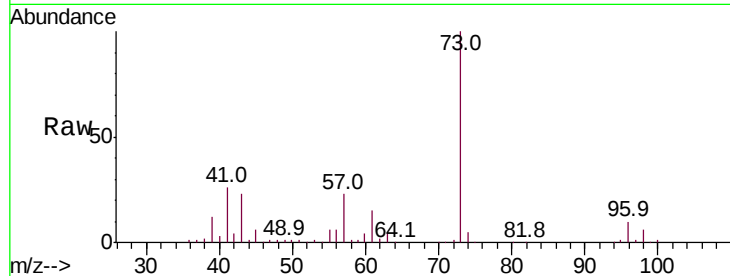


#17

Methvl tert-butvl Ether
 Concen: 4.752 ug/L
 RT: 2.81 min Scan# 534
 Delta R.T. 0.00 min
 Lab File: VV011724.D
 Acq: 24 Jun 2019 10:35

Instrument :
 MSVOA_V
 ClientSampled :

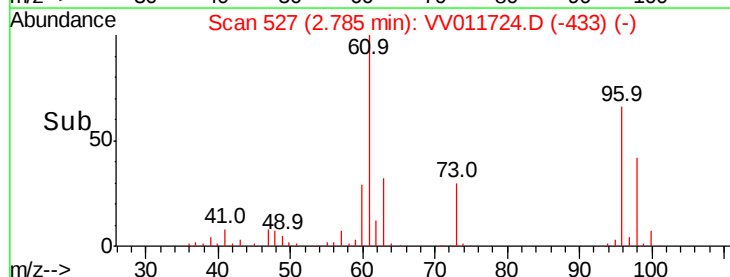
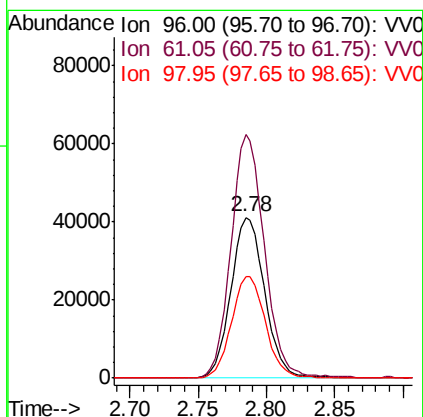
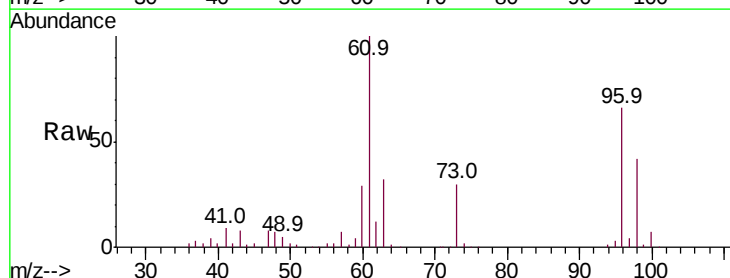
Tot Ion: 73 Resp: 160291
 Ion Ratio Lower Upper
 73 100
 43 22.6 18.9 28.3
 57 23.1 18.0 27.0

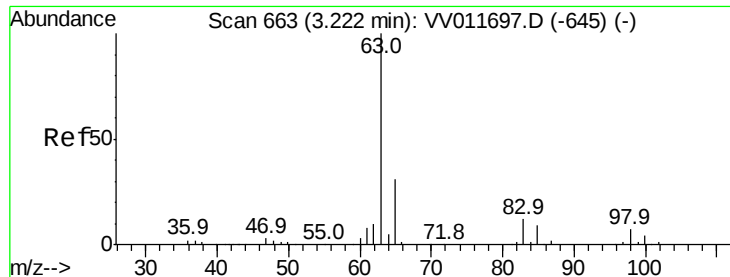


#18

trans-1,2-Dichloroethene
 Concen: 4.881 ug/L
 RT: 2.78 min Scan# 527
 Delta R.T. 0.00 min
 Lab File: VV011724.D
 Acq: 24 Jun 2019 10:35

Tgt Ion: 96 Resp: 70763
 Ion Ratio Lower Upper
 96 100
 61 151.6 109.3 203.1
 98 63.0 44.6 82.8

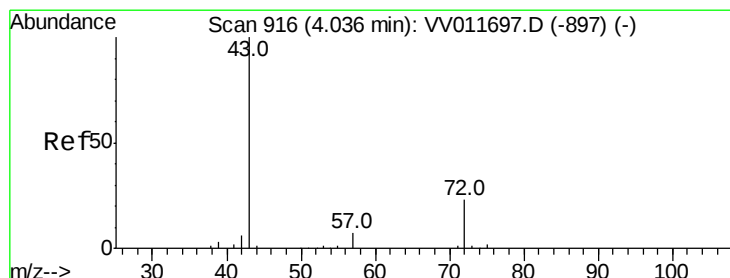
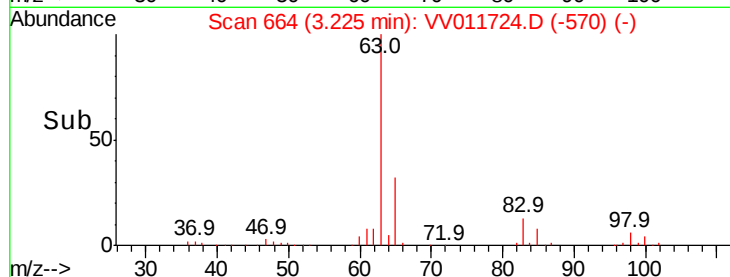
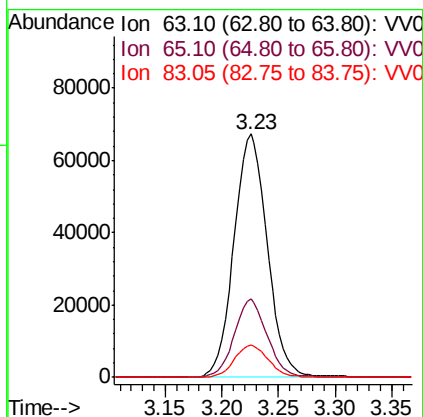
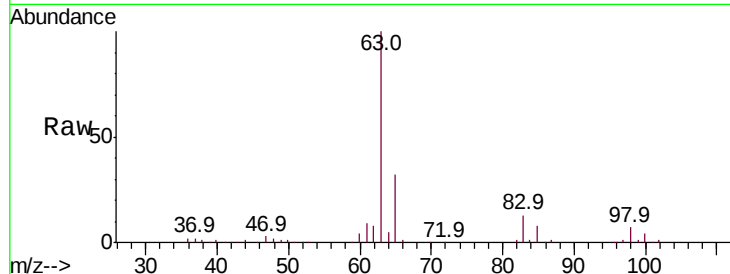




#19
 1,1-Dichloroethane
 Concen: 4.806 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. 0.00 min
 Lab File: VV011724.D
 Acq: 24 Jun 2019 10:35

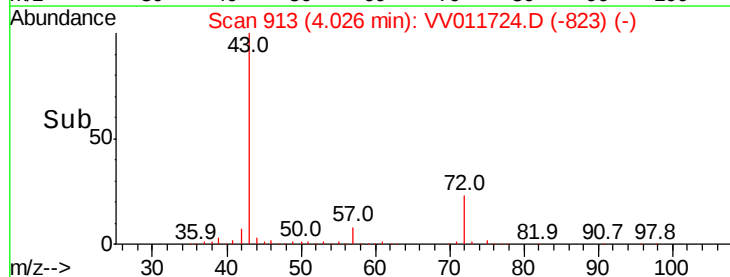
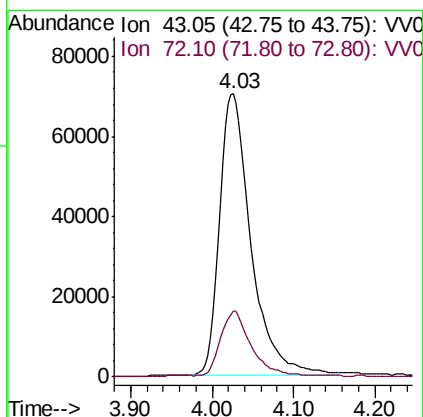
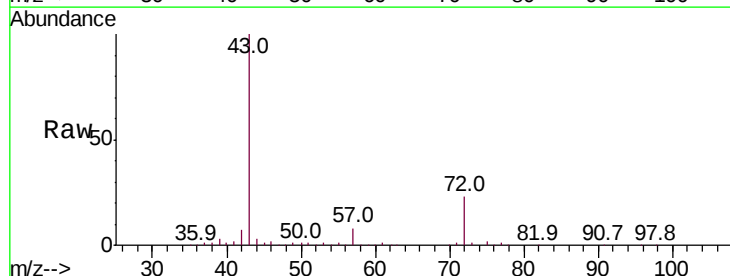
Instrument :
 MSVOA_V
 ClientSampled :

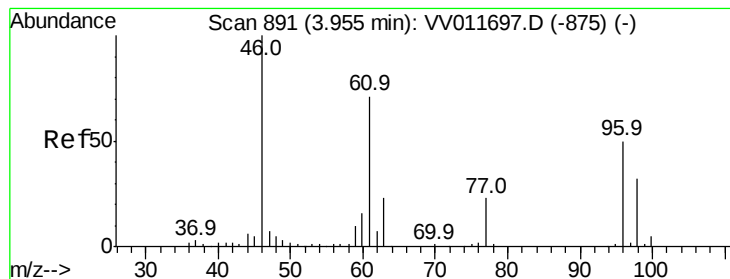
Tot Ion: 63 Resp: 138495
 Ion Ratio Lower Upper
 63 100
 65 32.1 23.0 42.8
 83 13.2 9.5 17.7



#21
 2-Butanone
 Concen: 47.192 ug/L
 RT: 4.03 min Scan# 913
 Delta R.T. -0.01 min
 Lab File: VV011724.D
 Acq: 24 Jun 2019 10:35

Tgt Ion: 43 Resp: 191334
 Ion Ratio Lower Upper
 43 100
 72 22.2 10.9 32.6



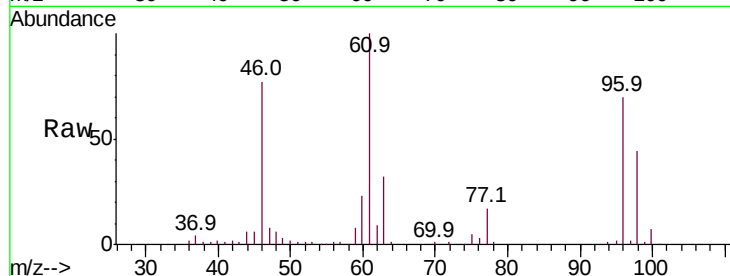


#22

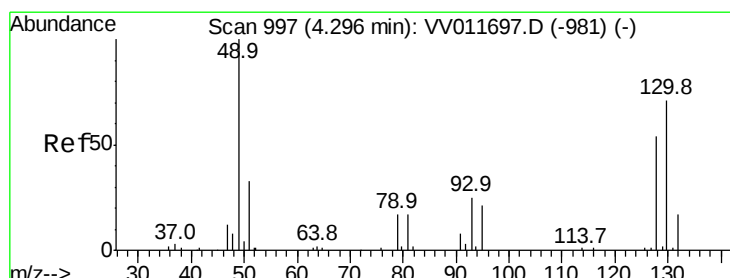
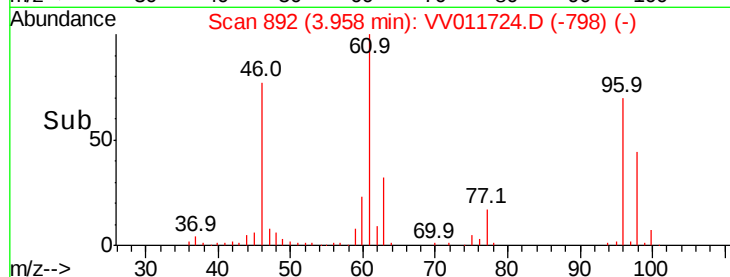
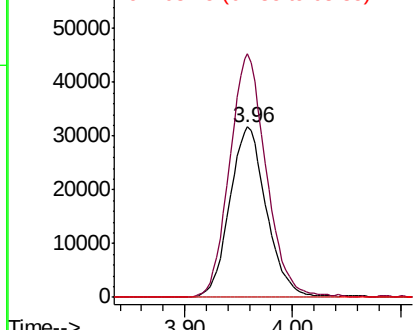
cis-1,2-Dichloroethene
Concen: 4.717 ug/L
RT: 3.96 min Scan# 892
Delta R.T. 0.00 min
Lab File: VV011724.D
Acq: 24 Jun 2019 10:35

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 96 Resp: 75156
Ion Ratio Lower Upper
96 100
61 142.8 97.9 181.7
68 0.0 0.0 0.0



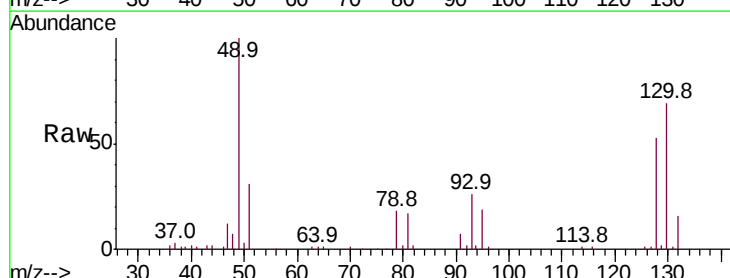
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



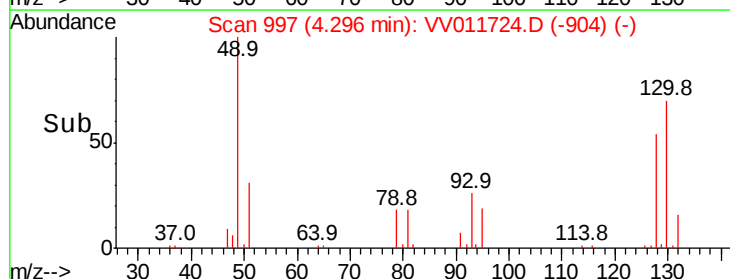
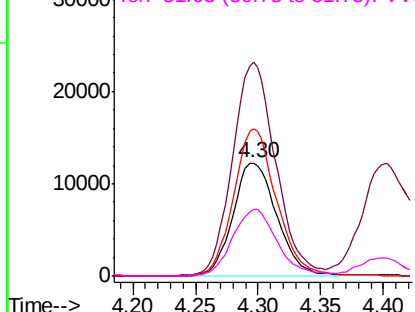
#23

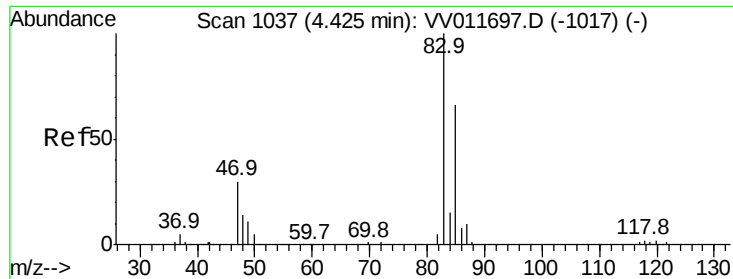
Bromochloromethane
Concen: 4.965 ug/L
RT: 4.30 min Scan# 997
Delta R.T. 0.00 min
Lab File: VV011724.D
Acq: 24 Jun 2019 10:35

Tgt Ion: 128 Resp: 29807
Ion Ratio Lower Upper
128 100
49 189.1 134.8 250.4
130 130.7 91.2 169.4
51 59.2 47.2 70.8



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

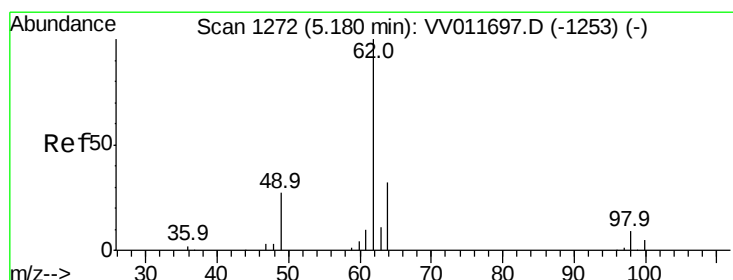
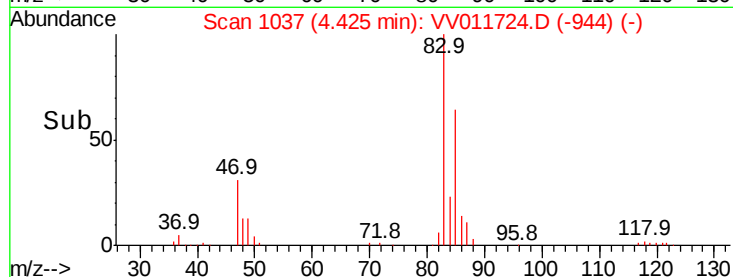
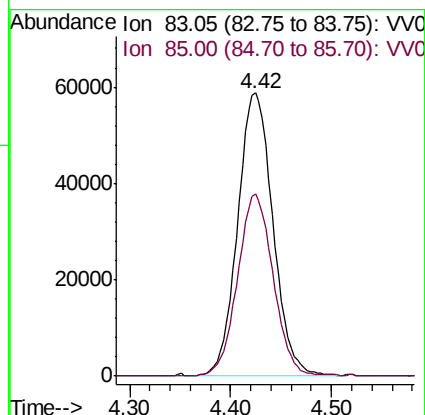
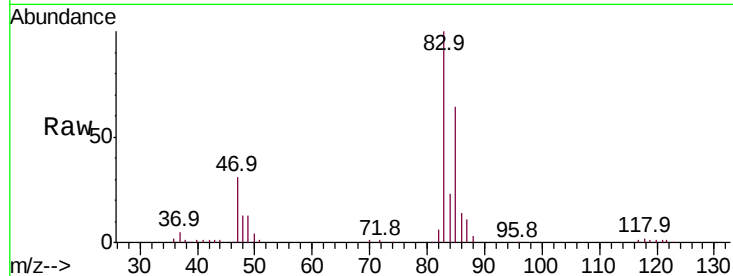




#25
Chloroform
Concen: 4.506 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV011724.D
Acq: 24 Jun 2019 10:35

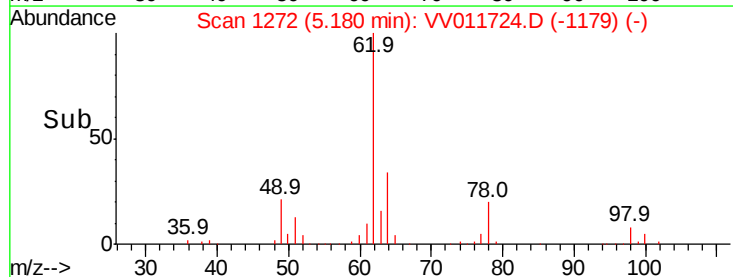
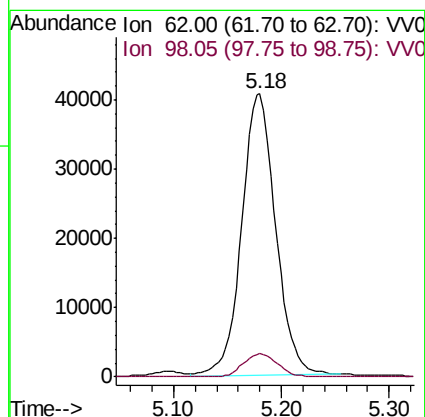
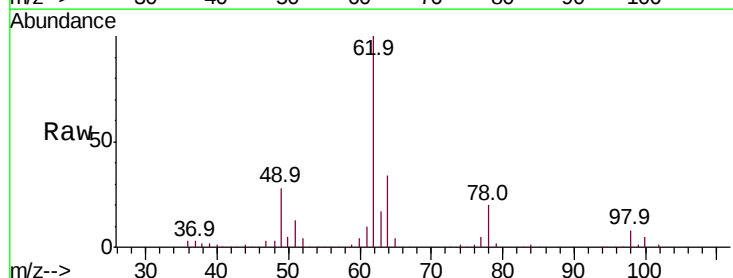
Instrument :
MSVOA_V
ClientSampleId :

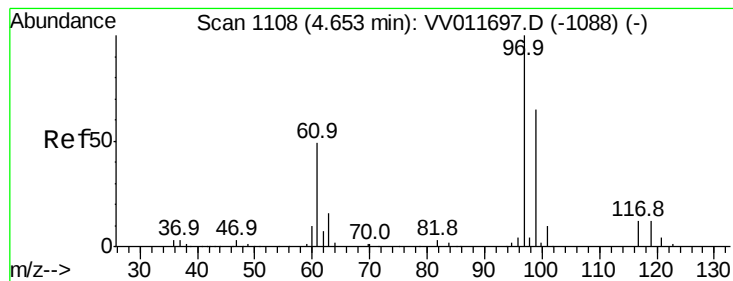
Tot Ion: 83 Resp: 142575
Ion Ratio Lower Upper
83 100
85 64.3 47.0 87.2



#27
1,2-Dichloroethane
Concen: 4.632 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV011724.D
Acq: 24 Jun 2019 10:35

Tgt Ion: 62 Resp: 88801
Ion Ratio Lower Upper
62 100
98 8.1 6.2 9.4





#29

1,1,1-Trichloroethane

Concen: 4.868 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VV011724.D

Acq: 24 Jun 2019 10:35

Instrument :
MSVOA_V
ClientSampleId :

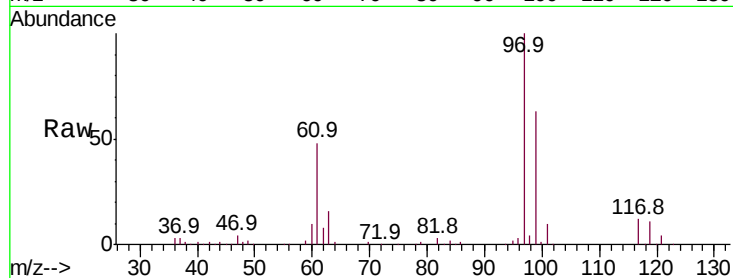
Tot Ion: 97 Resp: 119317

Ion Ratio Lower Upper

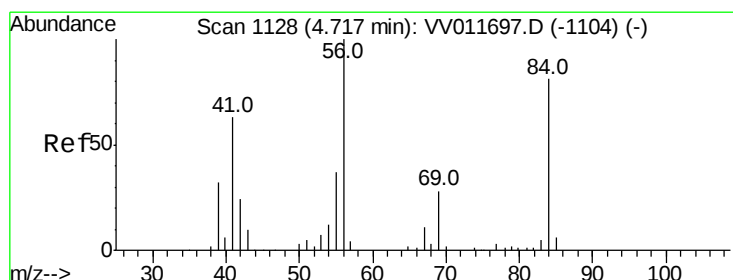
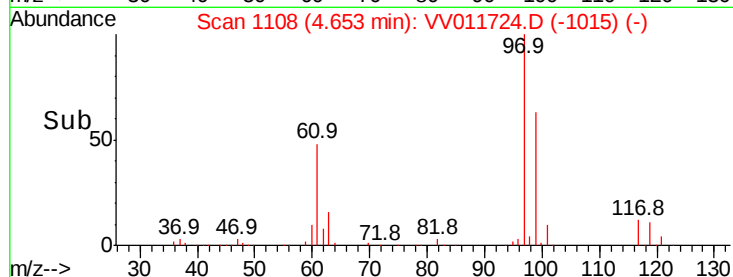
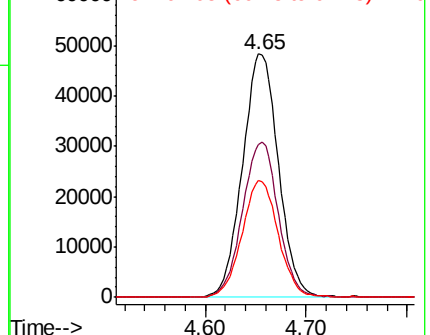
97 100

99 63.3 51.6 77.4

61 48.5 39.8 59.6



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: 4.532 ug/L

RT: 4.72 min Scan# 1129

Delta R.T. 0.00 min

Lab File: VV011724.D

Acq: 24 Jun 2019 10:35

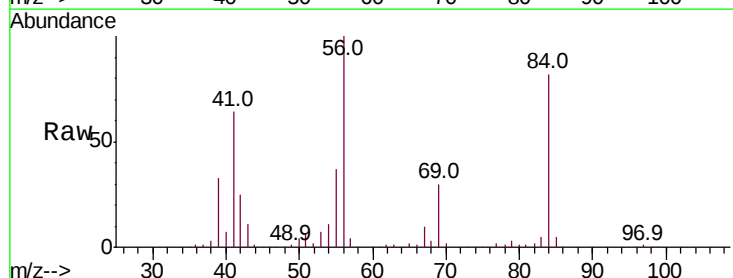
Tgt Ion: 56 Resp: 126884

Ion Ratio Lower Upper

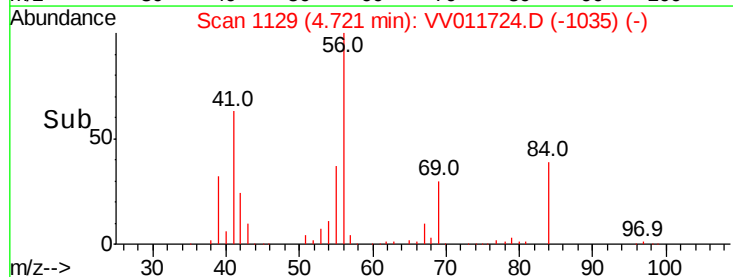
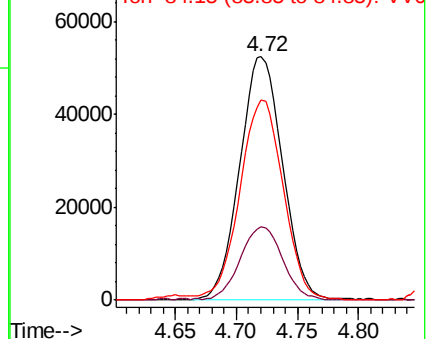
56 100

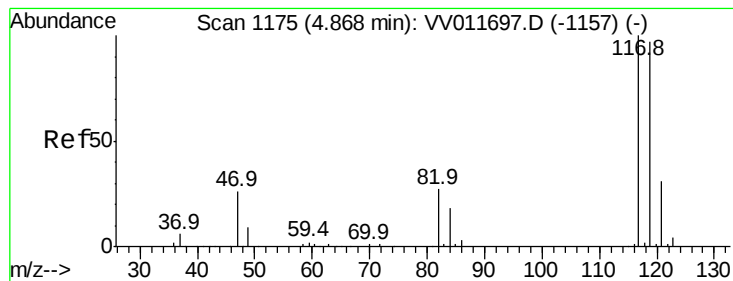
69 30.1 23.2 34.8

84 84.0 65.0 97.4



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: 4.819 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VV011724.D

Acq: 24 Jun 2019 10:35

Instrument :

MSVOA_V

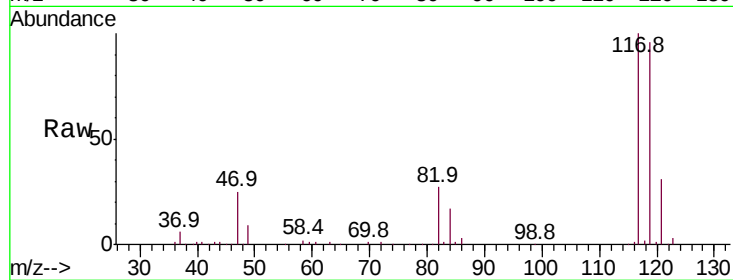
ClientSampleId :

Tot Ion:117 Resp: 99838

Ion Ratio Lower Upper

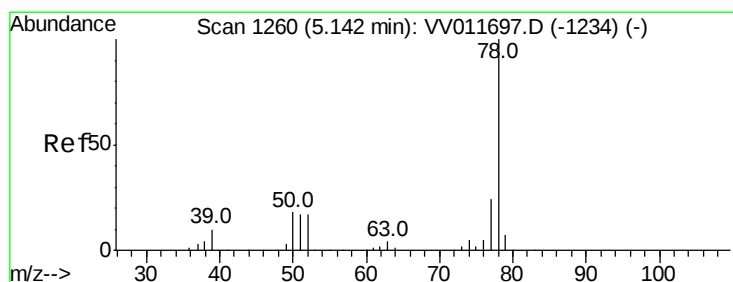
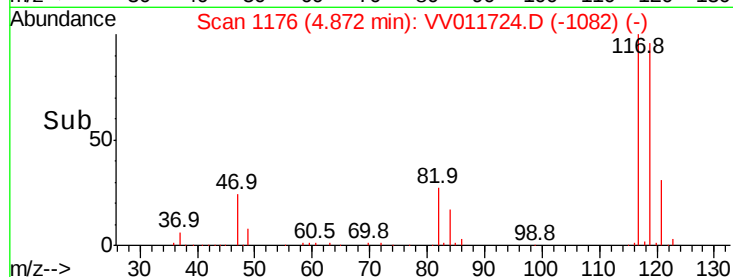
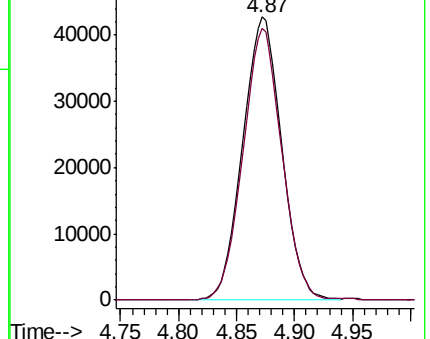
117 100

119 95.5 77.1 115.7



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.721 ug/L

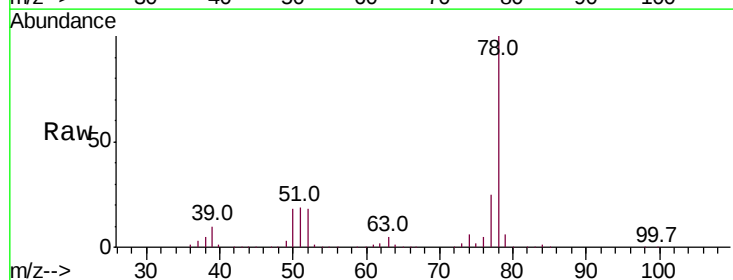
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

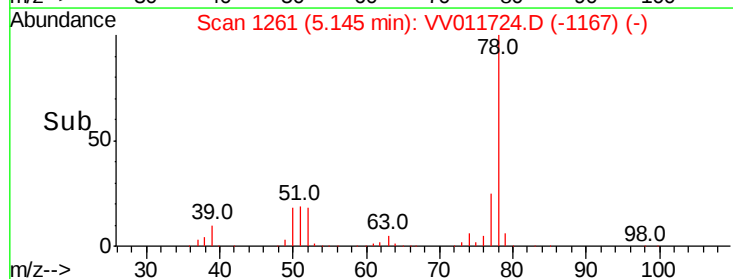
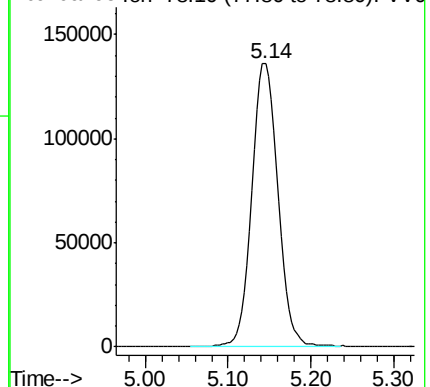
Lab File: VV011724.D

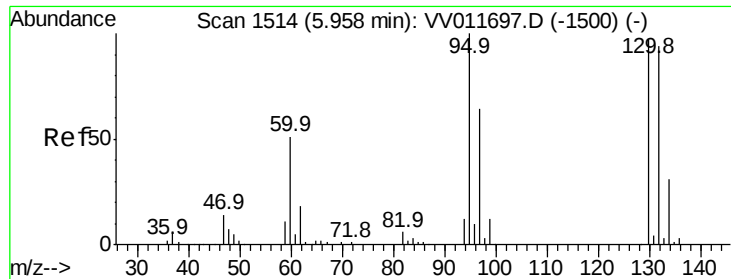
Acq: 24 Jun 2019 10:35

Tgt Ion: 78 Resp: 297907



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.624 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV011724.D

Acq: 24 Jun 2019 10:35

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 95 Resp: 77376

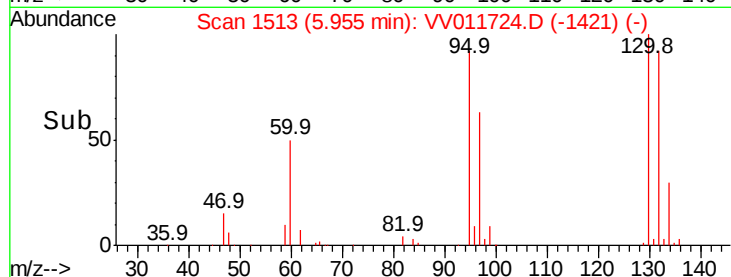
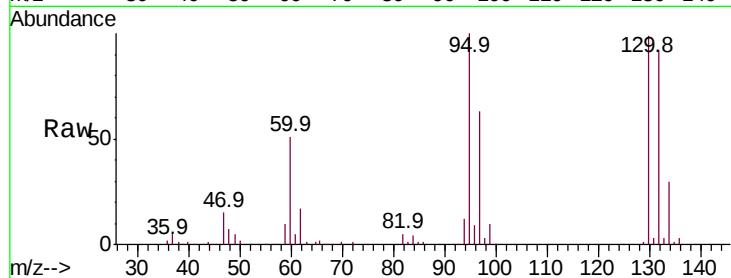
Ion Ratio Lower Upper

95 100

97 63.0 44.4 82.5

132 91.5 65.0 120.6

130 99.3 67.1 124.7

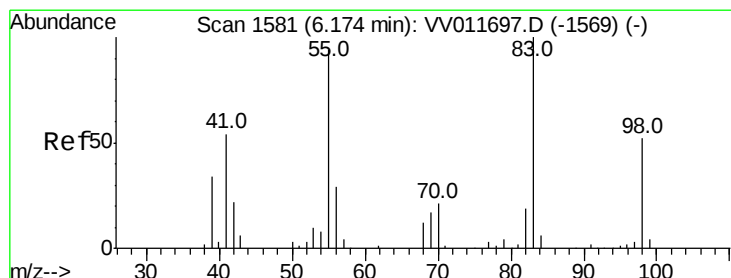
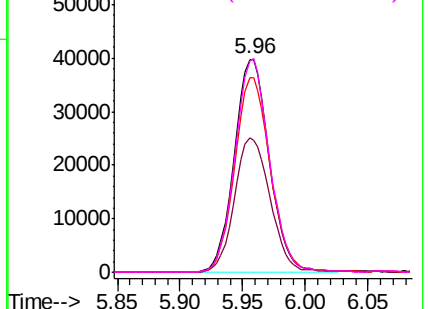


Abundance Ion 95.00 (94.70 to 95.70): VV011697.D (-1500) (-)

Ion 96.95 (96.65 to 97.65): VV011697.D (-1500) (-)

Ion 131.95 (131.65 to 132.65): VV011697.D (-1500) (-)

Ion 129.95 (129.65 to 130.65): VV011697.D (-1500) (-)



#35

Methylcyclohexane

Concen: 4.887 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV011724.D

Acq: 24 Jun 2019 10:35

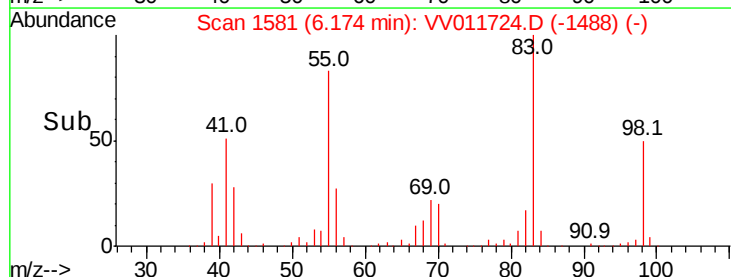
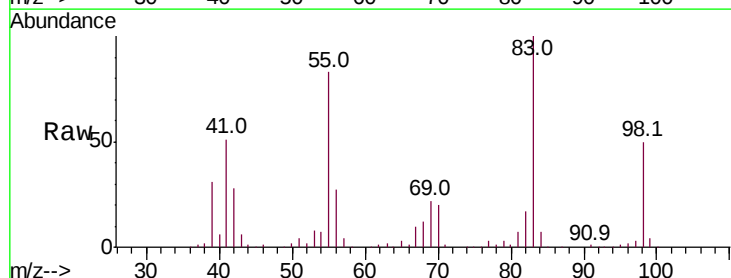
Tgt Ion: 83 Resp: 132035

Ion Ratio Lower Upper

83 100

55 82.2 69.4 104.2

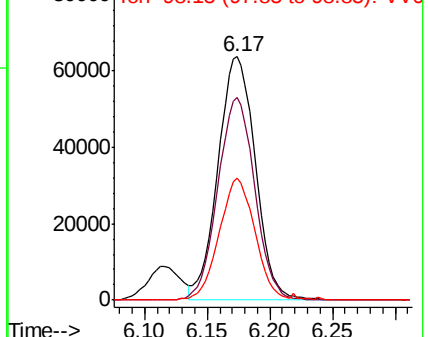
98 47.7 40.2 60.4

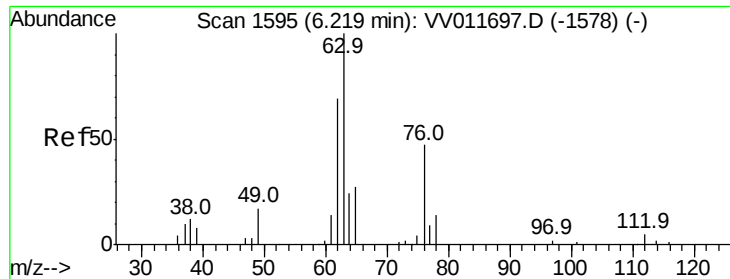


Abundance Ion 83.15 (82.85 to 83.85): VV011697.D (-1569) (-)

Ion 55.10 (54.80 to 55.80): VV011697.D (-1569) (-)

Ion 98.15 (97.85 to 98.85): VV011697.D (-1569) (-)





#37

1,2-Dichloropropane

Concen: 4.739 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VV011724.D

Acq: 24 Jun 2019 10:35

Instrument :

MSVOA_V

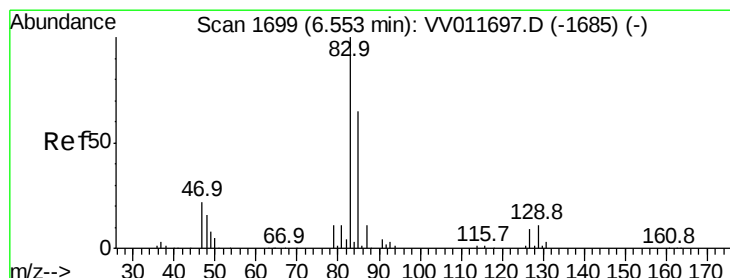
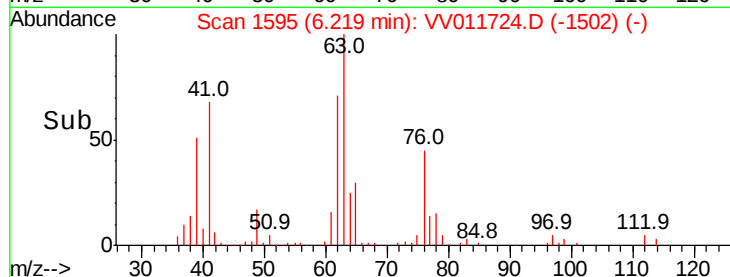
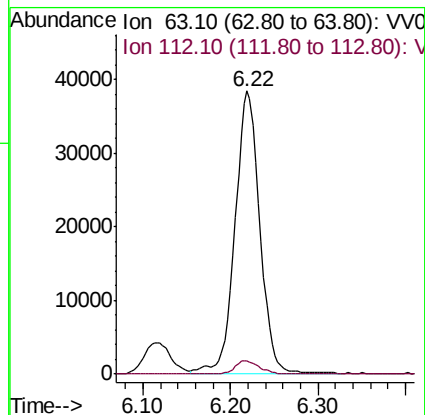
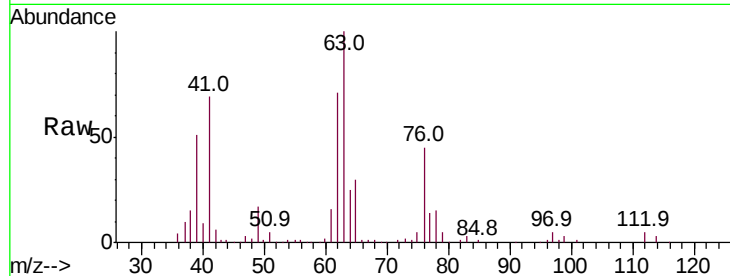
ClientSampled :

Tot Ion: 63 Resp: 75936

Ion Ratio Lower Upper

63 100

112 4.5 3.4 5.2



#38

Bromodichloromethane

Concen: 4.901 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VV011724.D

Acq: 24 Jun 2019 10:35

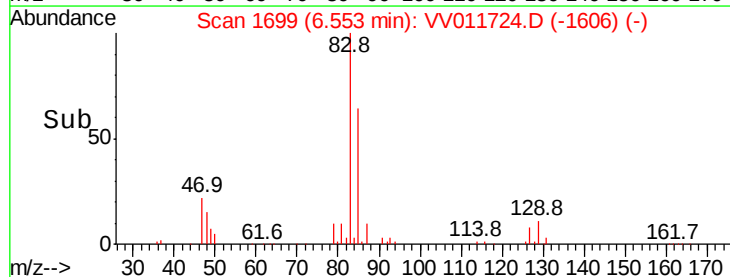
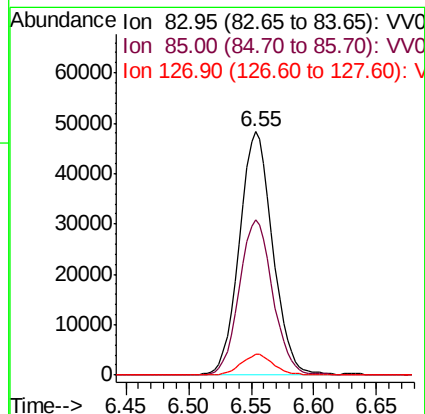
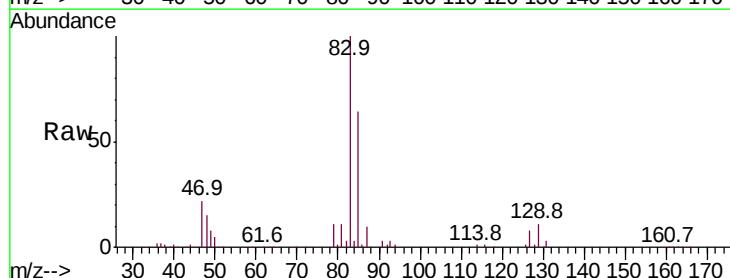
Tgt Ion: 83 Resp: 89549

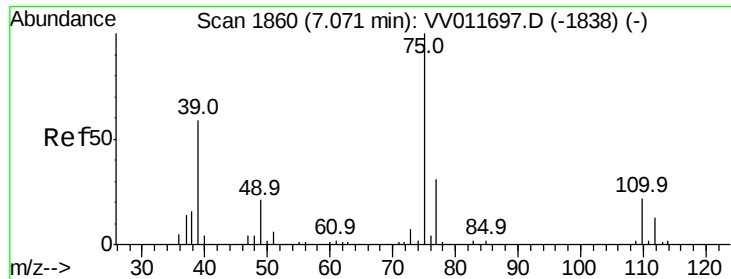
Ion Ratio Lower Upper

83 100

85 63.6 44.5 82.7

127 8.4 6.2 9.2

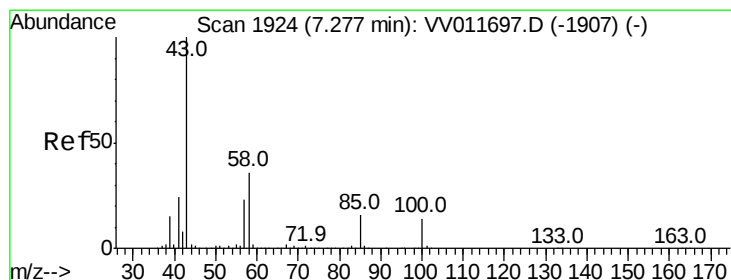
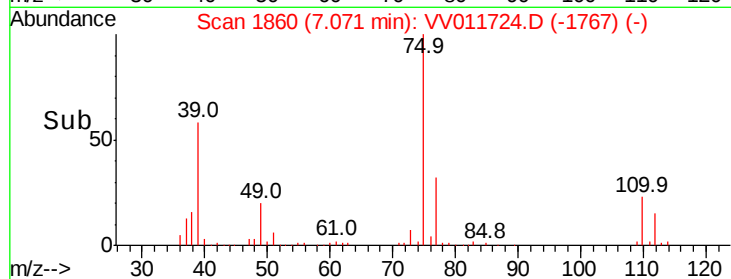
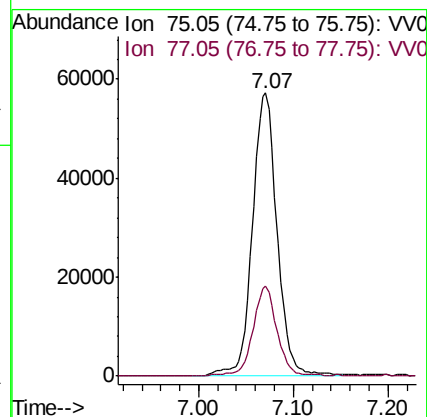
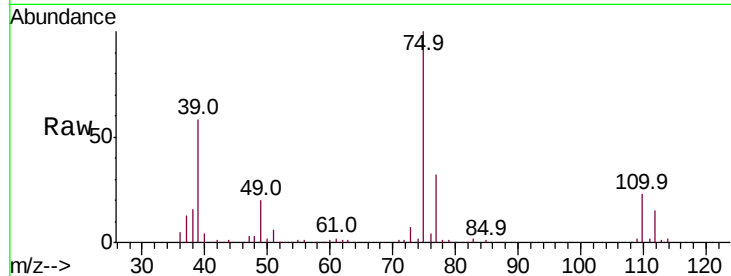




#39
 cis-1,3-Dichloropropene
 Concen: 4.933 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV011724.D
 Acq: 24 Jun 2019 10:35

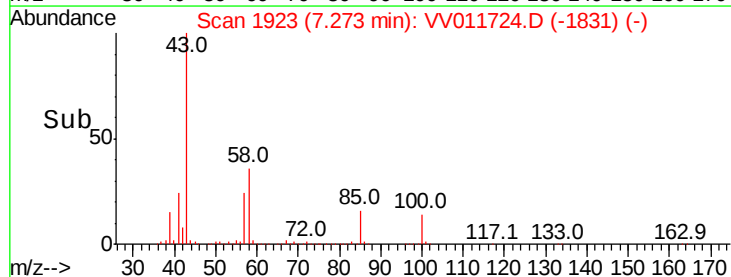
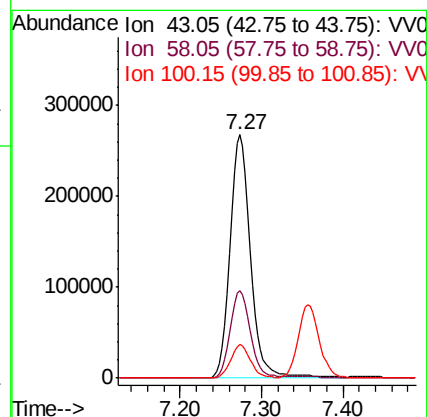
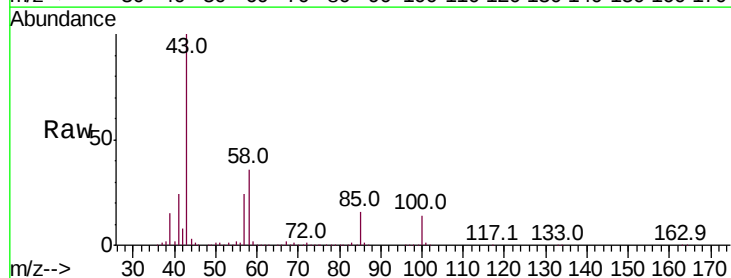
Instrument :
 MSVOA_V
 ClientSampled :

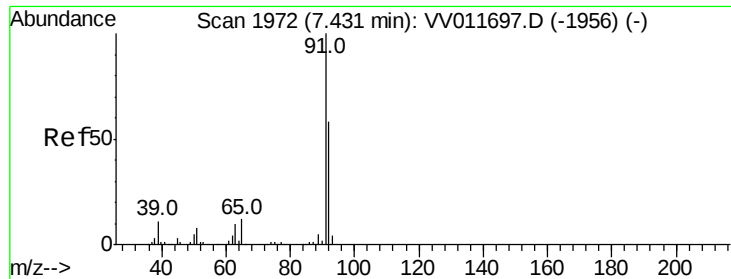
Tot Ion: 75 Resp: 103720
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 47.561 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VV011724.D
 Acq: 24 Jun 2019 10:35

Tgt Ion: 43 Resp: 478018
 Ion Ratio Lower Upper
 43 100
 58 35.5 28.6 43.0
 100 13.3 10.7 16.1





#42

Toluene

Concen: 4.876 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV011724.D

Acq: 24 Jun 2019 10:35

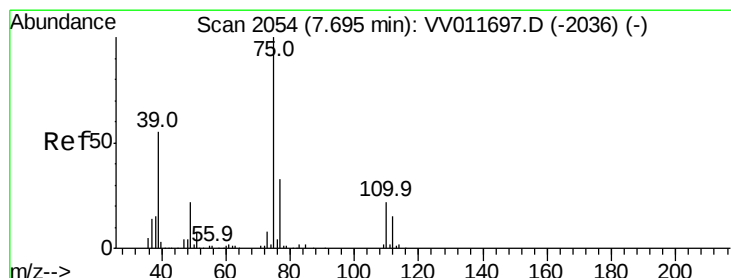
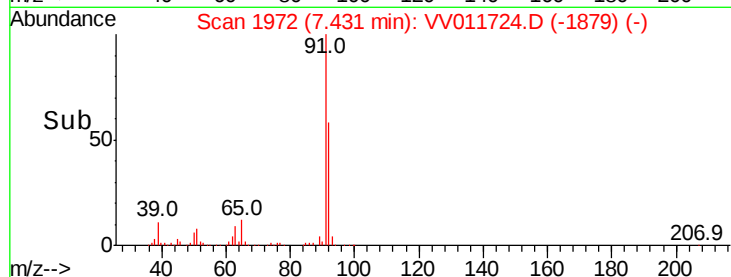
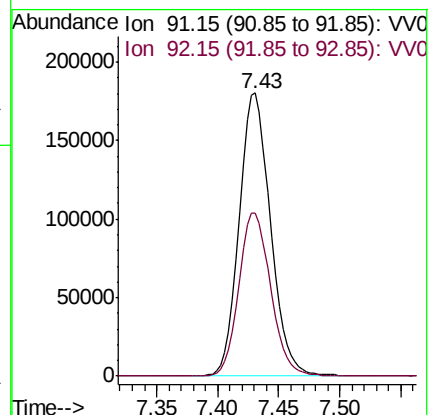
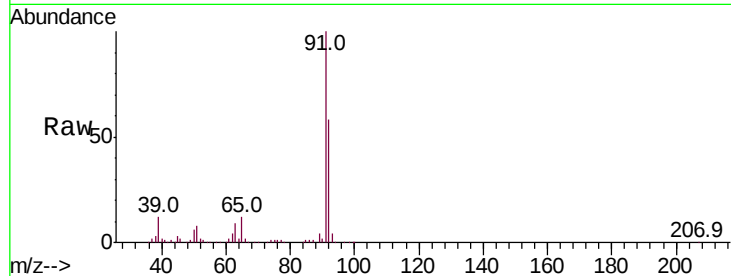
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 321521

Ion Ratio Lower Upper

91 100

92 57.8 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 5.160 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV011724.D

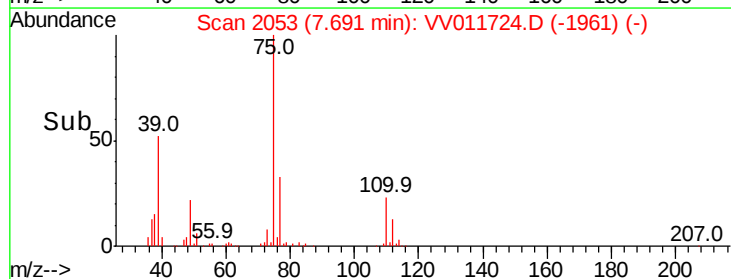
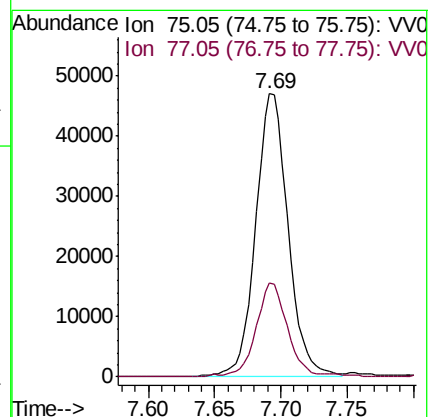
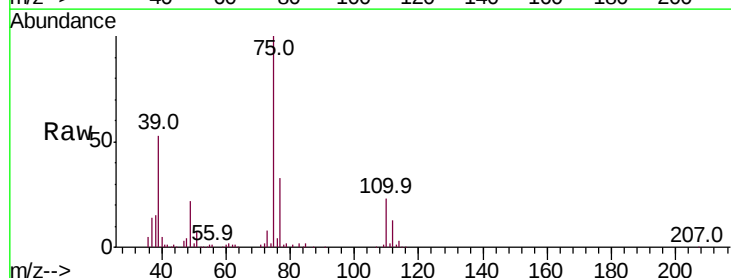
Acq: 24 Jun 2019 10:35

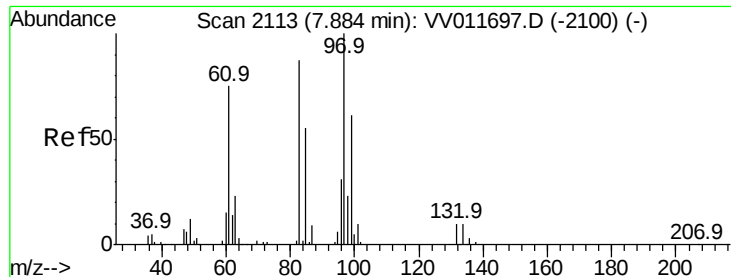
Tgt Ion: 75 Resp: 80360

Ion Ratio Lower Upper

75 100

77 33.0 22.7 42.1

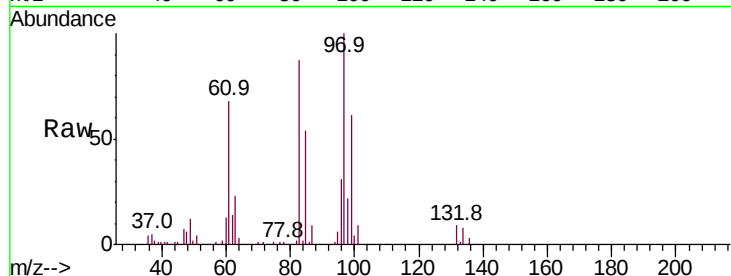




#45
 1,1,2-Trichloroethane
 Concen: 4.774 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VV011724.D
 Acq: 24 Jun 2019 10:35

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	48558
Ion	Ratio	Lower	Upper
97	100		
99	60.7	45.7	84.9
83	86.7	65.0	120.6
85	54.1	42.4	78.6



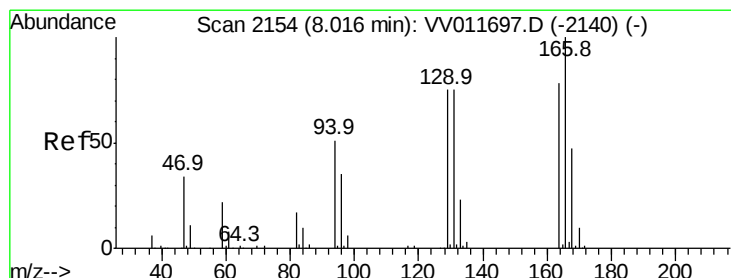
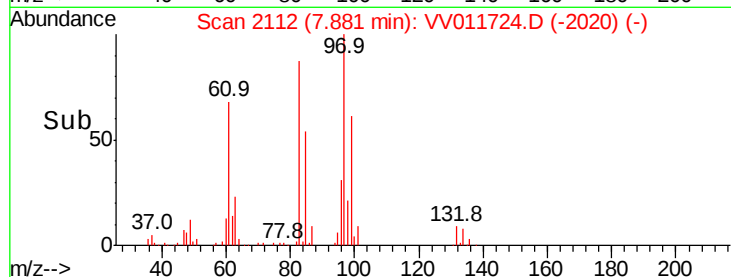
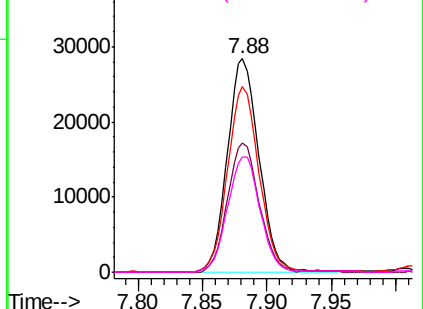
Abundance

Ion 96.95 (96.65 to 97.65): VV011697.D (-2100) (-)

Ion 99.05 (98.75 to 99.75): VV011697.D (-2100) (-)

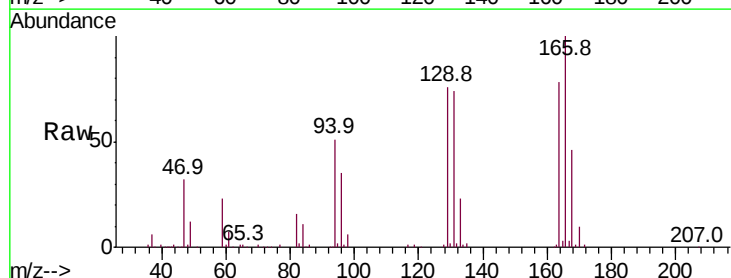
Ion 82.95 (82.65 to 83.65): VV011697.D (-2100) (-)

Ion 85.00 (84.70 to 85.70): VV011697.D (-2100) (-)



#47
 Tetrachloroethene
 Concen: 4.761 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV011724.D
 Acq: 24 Jun 2019 10:35

Tgt Ion:	164	Resp:	59335
Ion	Ratio	Lower	Upper
164	100		
129	97.6	69.7	129.5
131	95.0	64.6	120.0
166	128.2	86.4	160.4



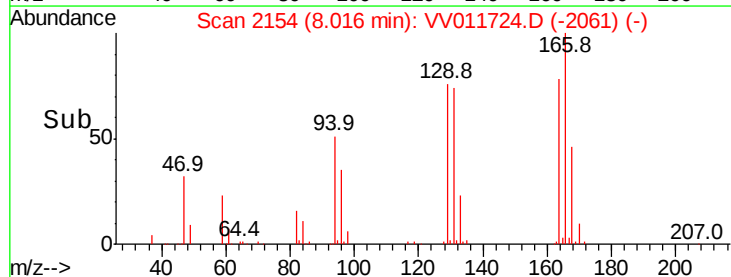
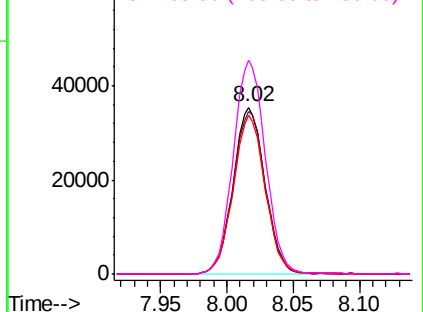
Abundance

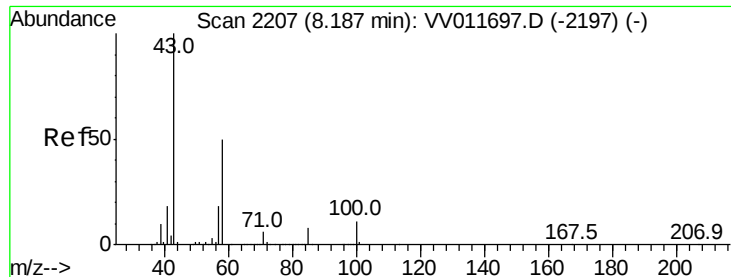
Ion 163.90 (163.60 to 164.60): VV011697.D (-2140) (-)

Ion 128.95 (128.65 to 129.65): VV011697.D (-2140) (-)

Ion 130.95 (130.65 to 131.65): VV011697.D (-2140) (-)

Ion 165.90 (165.60 to 166.60): VV011697.D (-2140) (-)

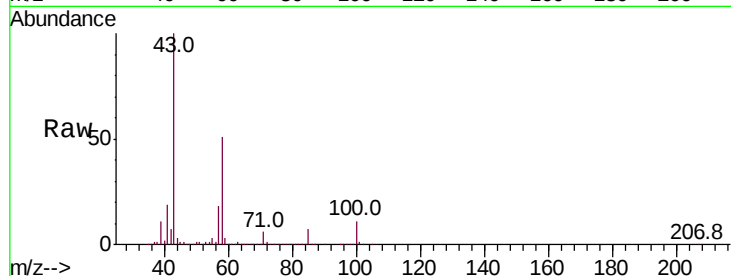




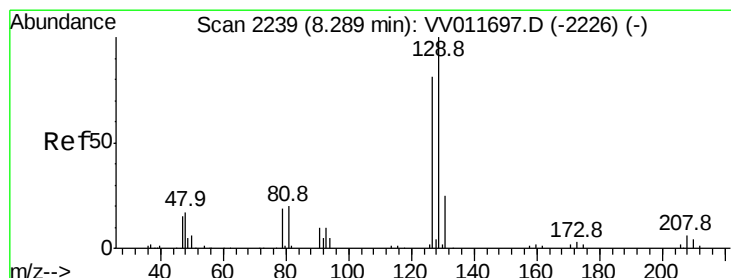
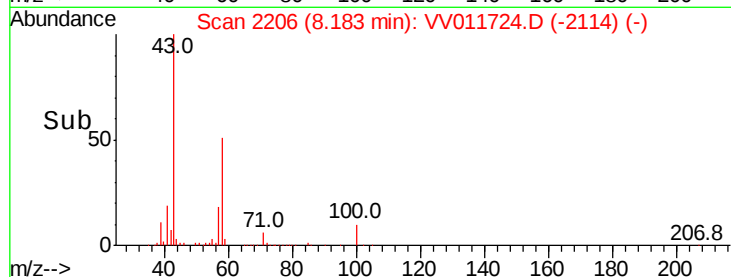
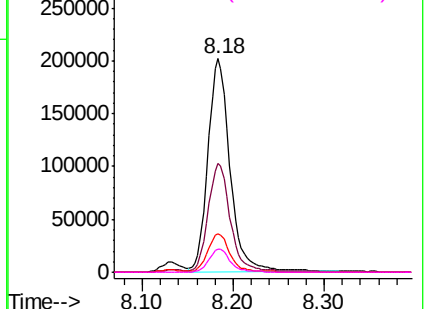
#48
2-Hexanone
Concen: 48.144 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. -0.00 min
Lab File: VV011724.D
Acq: 24 Jun 2019 10:35

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 340217
Ion Ratio Lower Upper
43 100
58 51.2 40.1 60.1
57 18.0 14.4 21.6
100 10.8 8.6 12.8

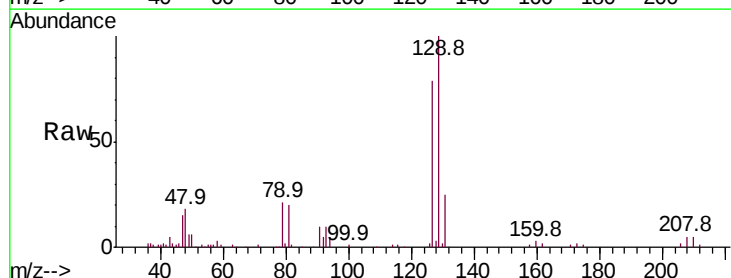


Abundance Ion 43.05 (42.75 to 43.75): VV011697.D (-2197) (-)
Ion 58.05 (57.75 to 58.75): VV011697.D (-2197) (-)
Ion 57.20 (56.90 to 57.90): VV011697.D (-2197) (-)
Ion 100.15 (99.85 to 100.85): VV011697.D (-2197) (-)

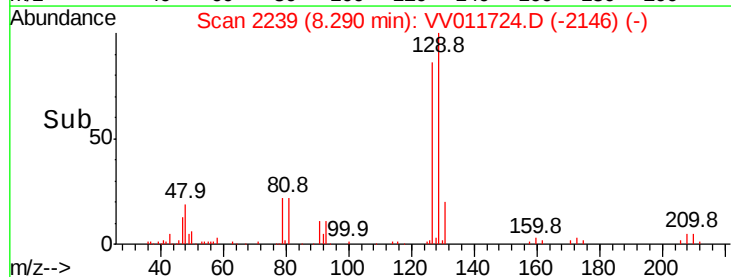
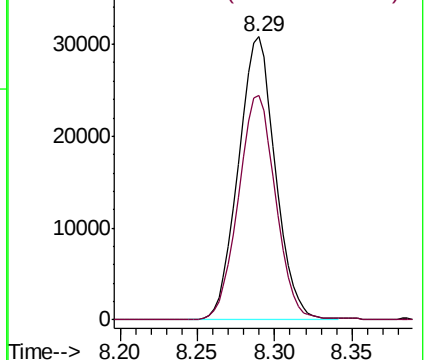


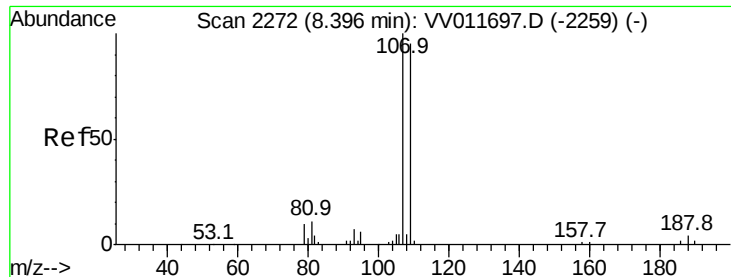
#49
Dibromochloromethane
Concen: 5.028 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV011724.D
Acq: 24 Jun 2019 10:35

Tgt Ion: 129 Resp: 51394
Ion Ratio Lower Upper
129 100
127 79.4 53.5 99.5



Abundance Ion 128.95 (128.65 to 129.65): VV011697.D (-2226) (-)
Ion 126.90 (126.60 to 127.60): VV011697.D (-2226) (-)

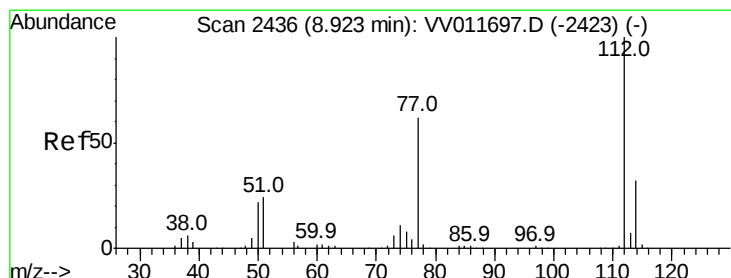
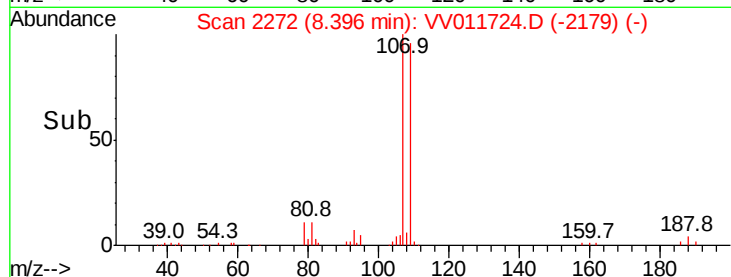
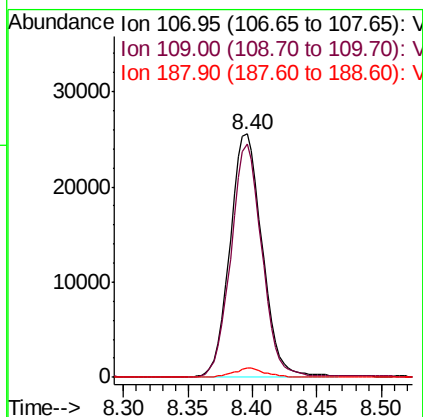
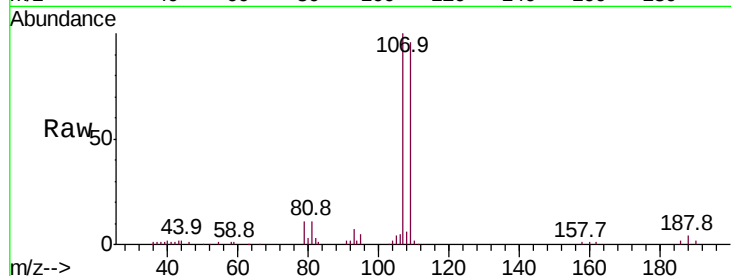




#50
 1,2-Dibromoethane
 Concen: 4.794 ug/L
 RT: 8.40 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VV011724.D
 Acq: 24 Jun 2019 10:35

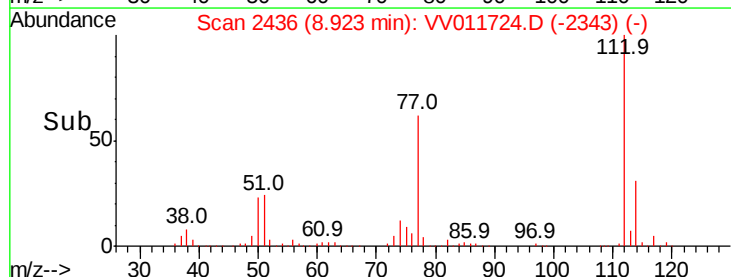
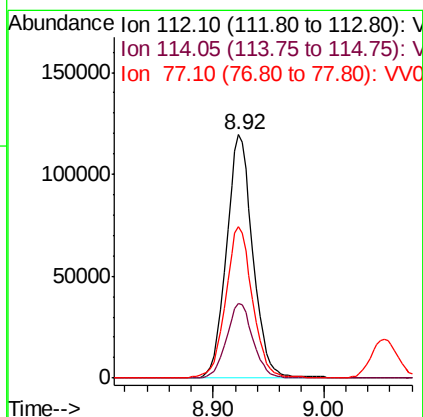
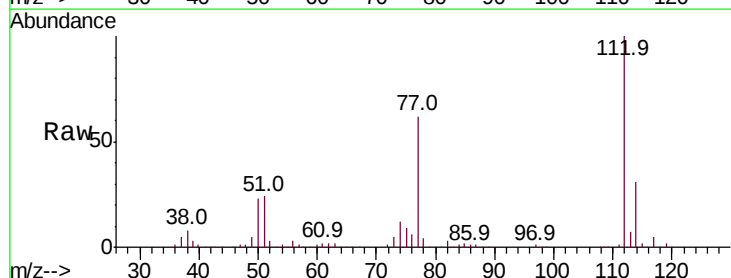
Instrument :
 MSVOA_V
 ClientSampleId :

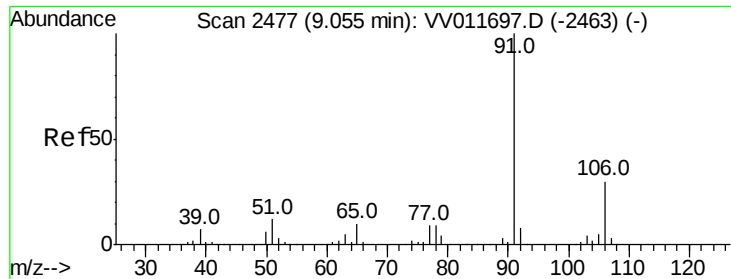
Tot Ion:107 Resp: 44518
 Ion Ratio Lower Upper
 107 100
 109 95.8 66.7 123.9
 188 3.8 2.6 3.8#



#51
 Chlorobenzene
 Concen: 4.826 ug/L
 RT: 8.92 min Scan# 2436
 Delta R.T. 0.00 min
 Lab File: VV011724.D
 Acq: 24 Jun 2019 10:35

Tgt Ion:112 Resp: 197332
 Ion Ratio Lower Upper
 112 100
 114 30.9 23.0 42.8
 77 62.4 50.0 75.0





#52

Ethylbenzene

Concen: 4.933 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV011724.D

Acq: 24 Jun 2019 10:35

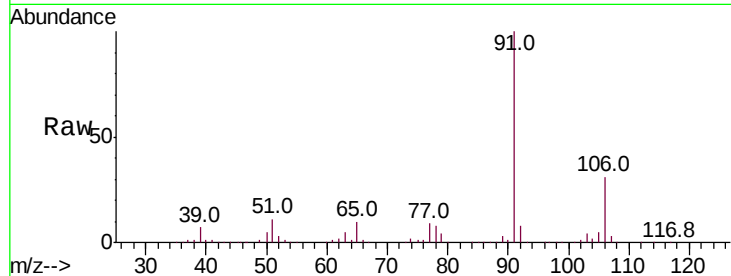
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 359011

Ion Ratio Lower Upper

91 100

106 30.6 20.7 38.5



Abundance Ion 91.15 (90.85 to 91.85): VV011697.D (-2463) (-)

Ion 106.15 (105.85 to 106.85): VV011697.D (-2463) (-)

9.05

250000

200000

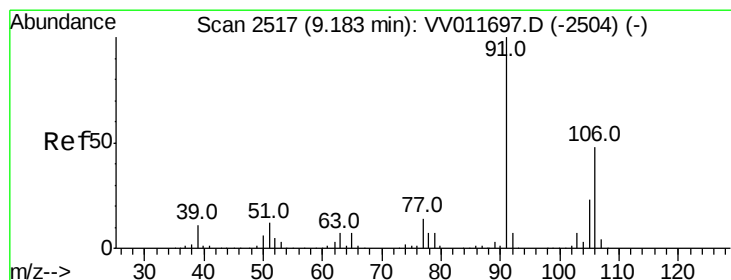
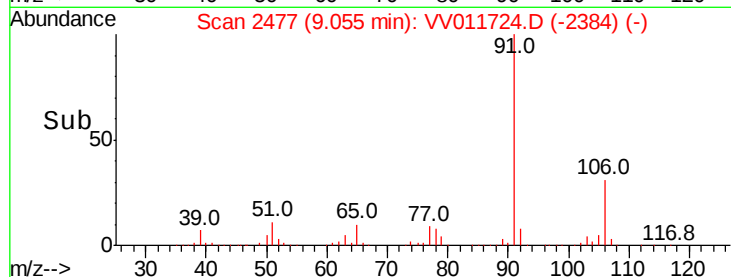
150000

100000

50000

0

Time--> 8.95 9.00 9.05 9.10 9.15



#53

m,p-xylene

Concen: 4.967 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV011724.D

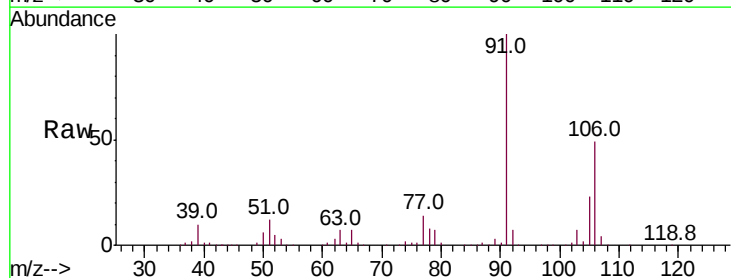
Acq: 24 Jun 2019 10:35

Tgt Ion: 106 Resp: 132759

Ion Ratio Lower Upper

106 100

91 206.0 144.9 269.1



Abundance Ion 106.15 (105.85 to 106.85): VV011697.D (-2504) (-)

Ion 91.15 (90.85 to 91.85): VV011697.D (-2504) (-)

9.18

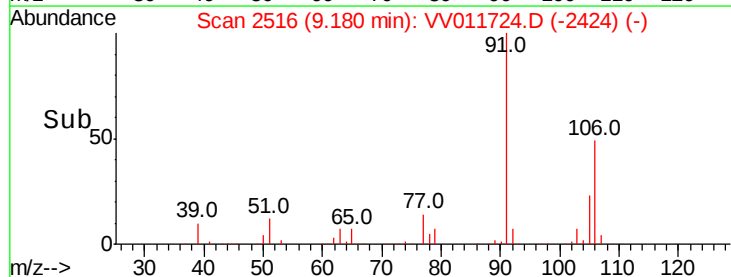
150000

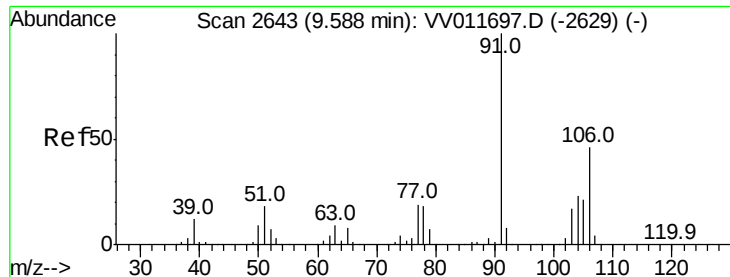
100000

50000

0

Time--> 9.10 9.15 9.20 9.25





#54

o-xylene

Concen: 4.976 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV011724.D

Acq: 24 Jun 2019 10:35

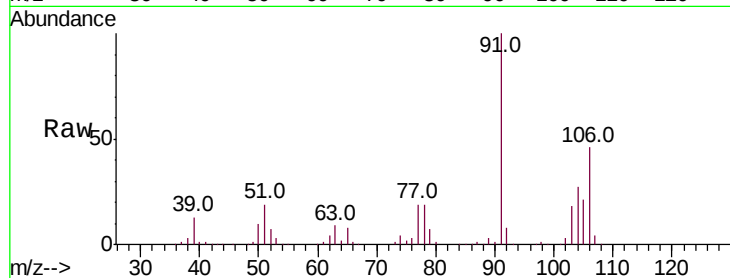
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 130035

Ion Ratio Lower Upper

106 100

91 216.0 155.2 288.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0

200000

150000

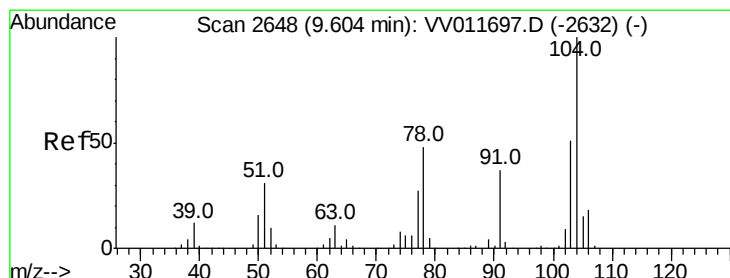
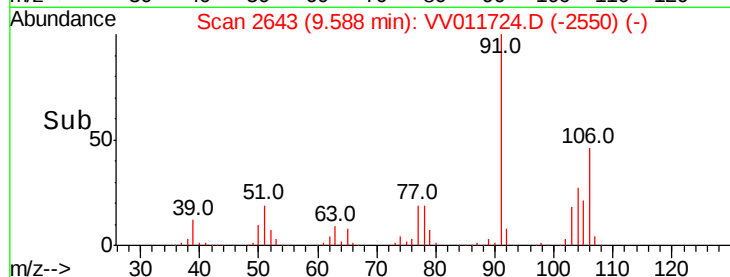
100000

50000

0

9.50 9.60 9.70

Time-->



#55

Styrene

Concen: 5.176 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV011724.D

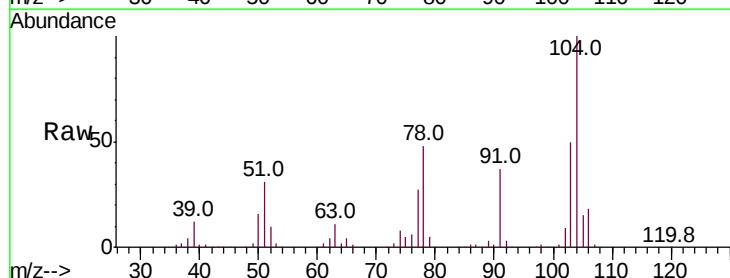
Acq: 24 Jun 2019 10:35

Tgt Ion:104 Resp: 215561

Ion Ratio Lower Upper

104 100

78 47.7 34.1 63.3



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0

150000

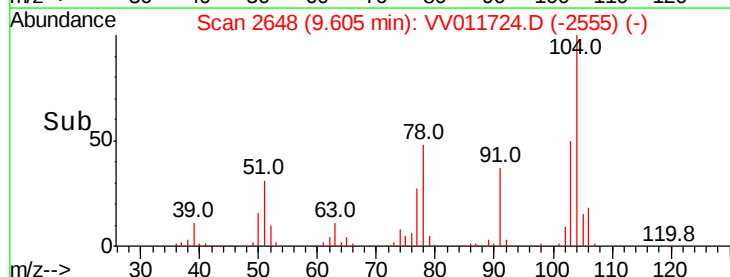
100000

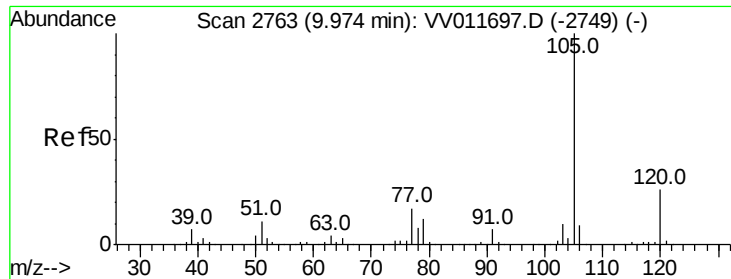
50000

0

9.50 9.60 9.70

Time-->





#56

Isopropylbenzene

Concen: 5.026 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV011724.D

Acq: 24 Jun 2019 10:35

Instrument :
MSVOA_V
ClientSampleId :

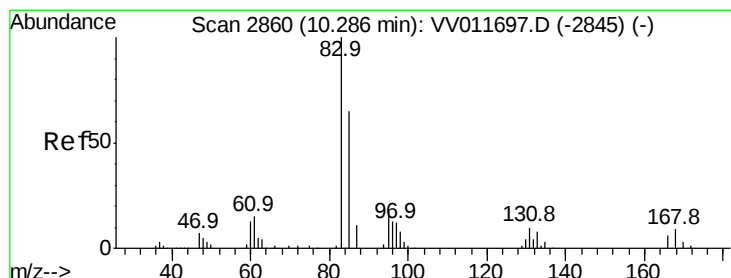
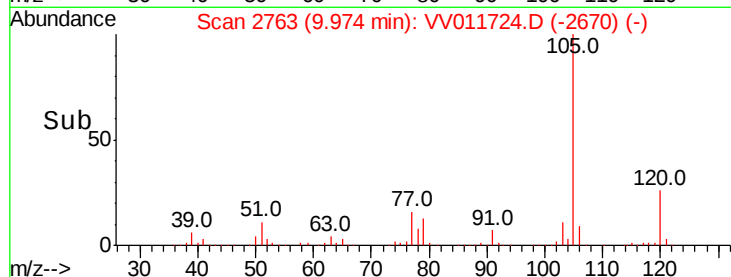
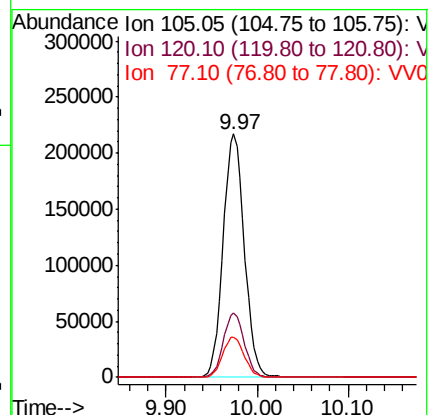
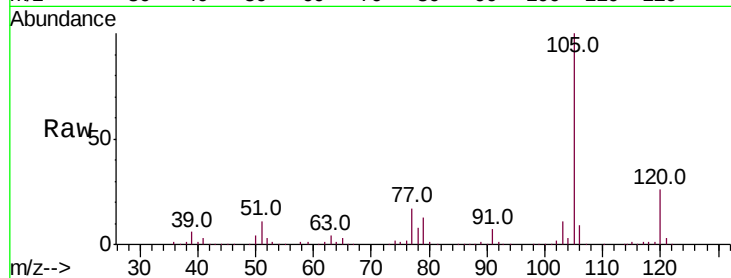
Tot Ion:105 Resp: 351897

Ion Ratio Lower Upper

105 100

120 26.2 20.6 30.8

77 16.9 13.8 20.6



#58

1,1,2,2-Tetrachloroethane

Concen: 4.782 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV011724.D

Acq: 24 Jun 2019 10:35

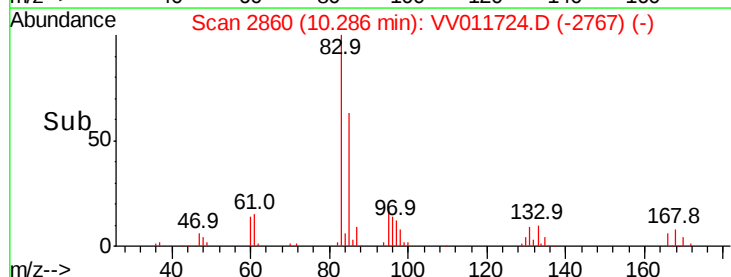
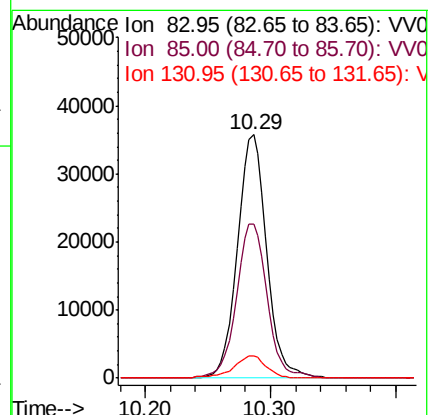
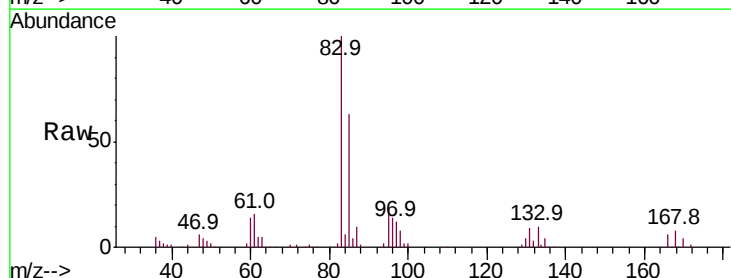
Tgt Ion: 83 Resp: 57826

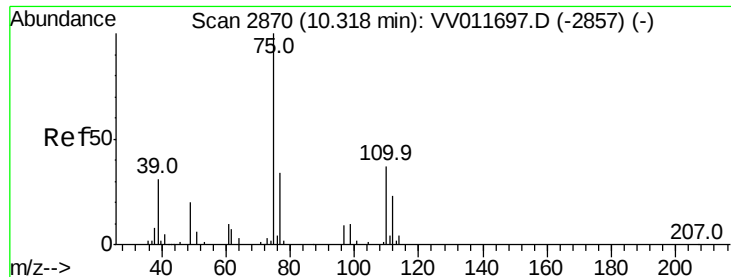
Ion Ratio Lower Upper

83 100

85 63.2 45.9 85.3

131 9.2 7.8 11.6





#59

1,2,3-Trichloropropane

Concen: 4.565 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VV011724.D

Acq: 24 Jun 2019 10:35

Instrument :

MSVOA_V

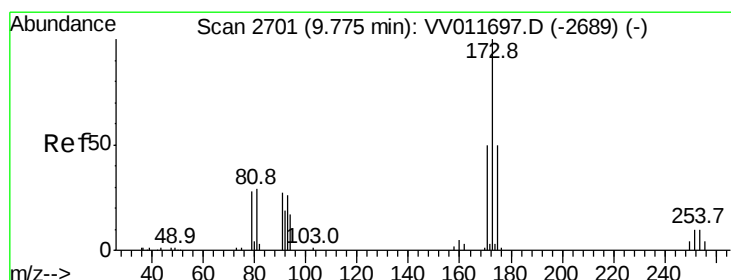
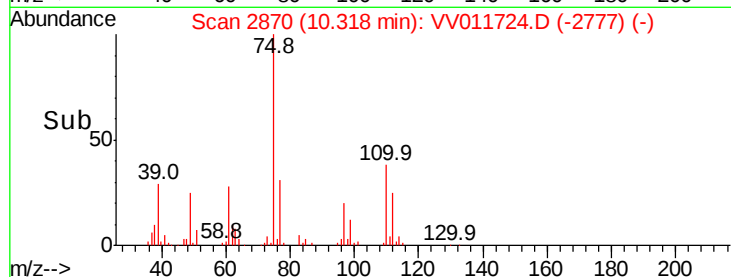
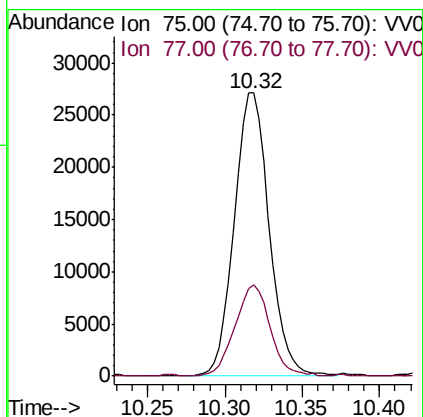
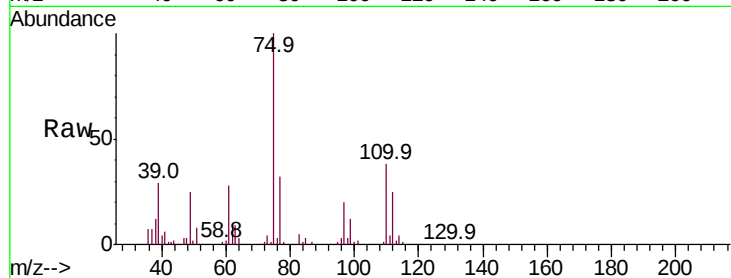
ClientSampled :

Tot Ion: 75 Resp: 42507

Ion Ratio Lower Upper

75 100

77 32.5 25.2 37.8



#61

Bromoform

Concen: 4.810 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV011724.D

Acq: 24 Jun 2019 10:35

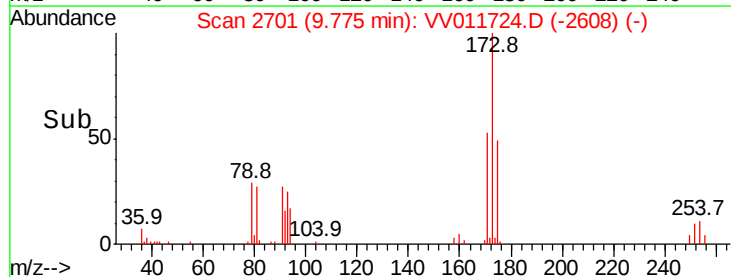
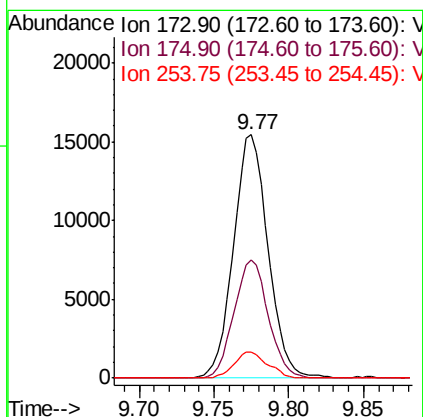
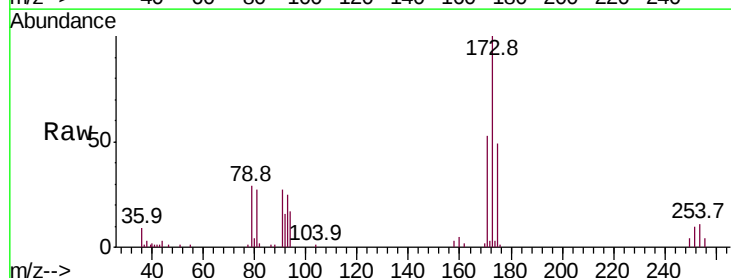
Tgt Ion: 173 Resp: 24915

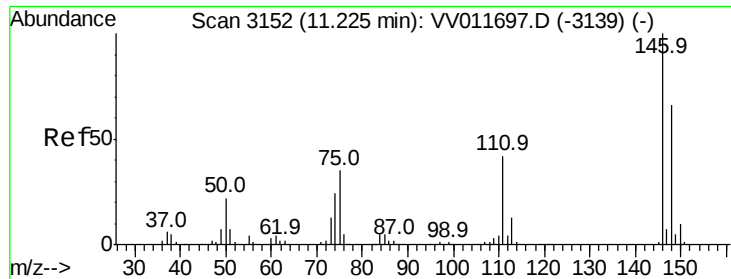
Ion Ratio Lower Upper

173 100

175 47.8 38.3 57.5

254 10.3 7.4 11.0

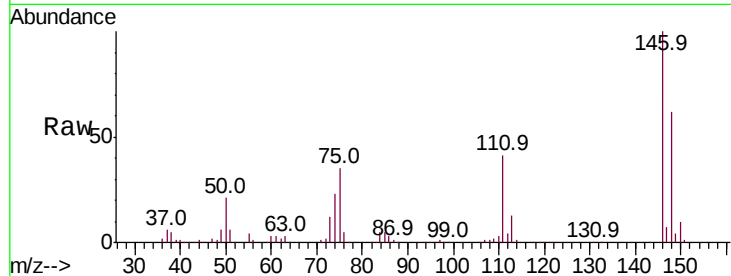




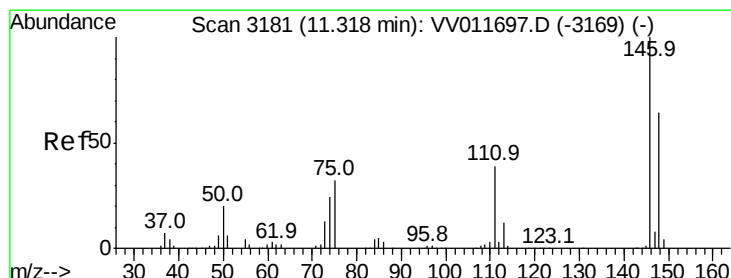
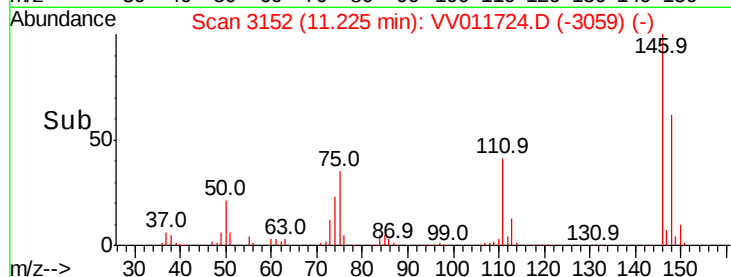
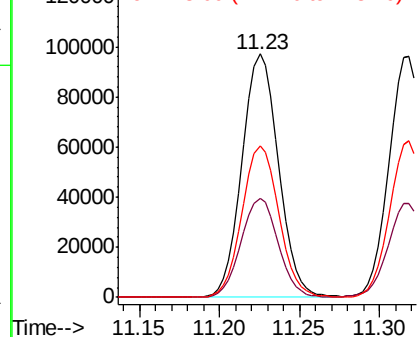
#62
 1,3-Dichlorobenzene
 Concen: 4.858 ug/L
 RT: 11.23 min Scan# 3152
 Delta R.T. 0.00 min
 Lab File: VV011724.D
 Acq: 24 Jun 2019 10:35

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:146 Resp: 151113
 Ion Ratio Lower Upper
 146 100
 111 40.9 28.4 52.8
 148 62.2 42.8 79.6

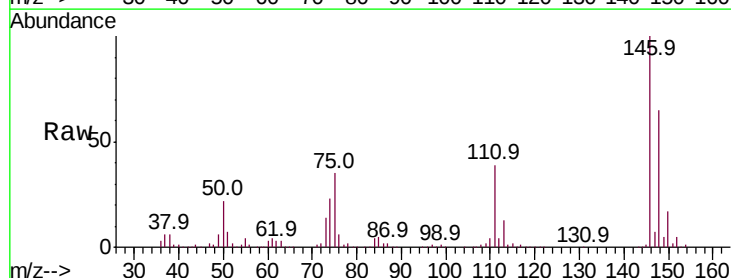


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

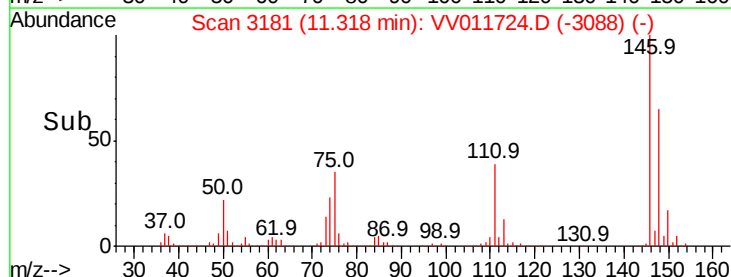
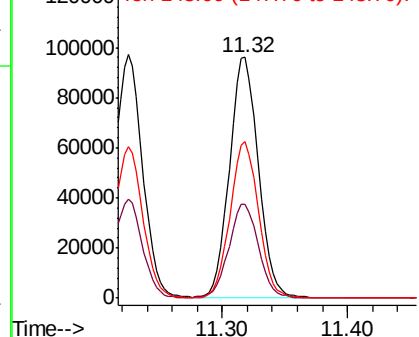


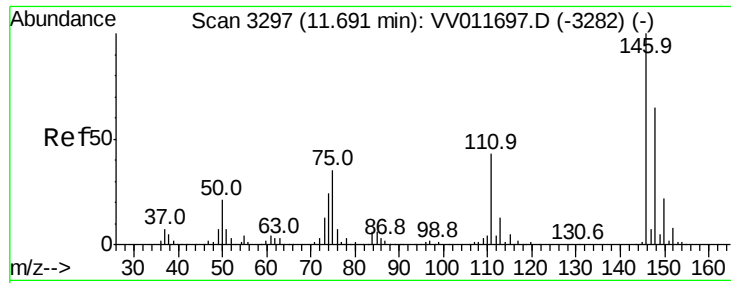
#63
 1,4-Dichlorobenzene
 Concen: 4.795 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV011724.D
 Acq: 24 Jun 2019 10:35

Tgt Ion:146 Resp: 154102
 Ion Ratio Lower Upper
 146 100
 111 39.0 27.7 51.5
 148 65.0 45.1 83.9



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





#65

1,2-Dichlorobenzene

Concen: 4.747 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. -0.00 min

Lab File: VV011724.D

Acq: 24 Jun 2019 10:35

Instrument :

MSVOA_V

ClientSampled :

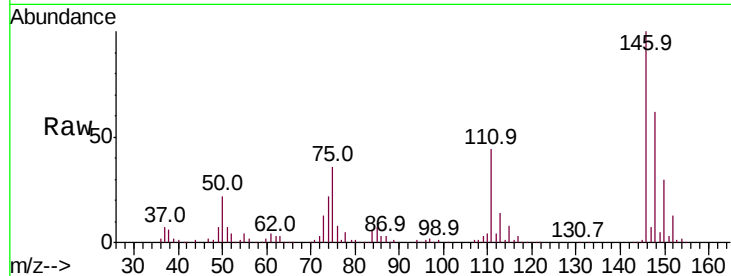
Tot Ion:146 Resp: 140642

Ion Ratio Lower Upper

146 100

111 43.5 34.5 51.7

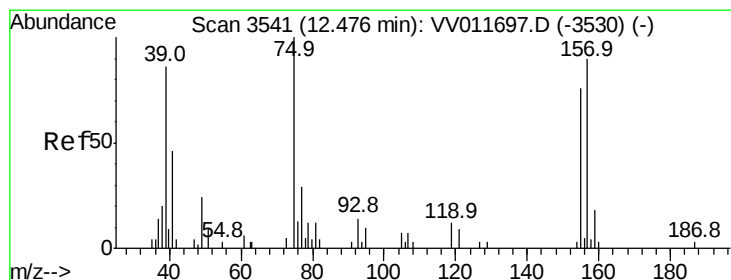
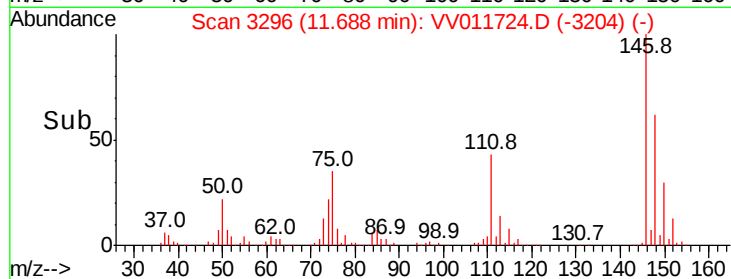
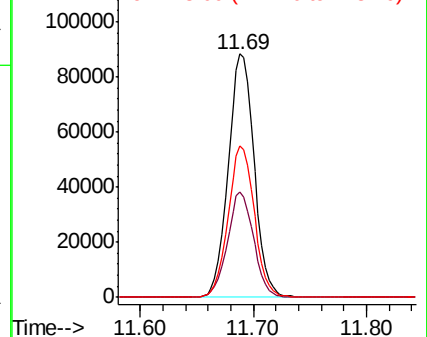
148 62.3 49.8 74.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.947 ug/L

RT: 12.47 min Scan# 3540

Delta R.T. -0.00 min

Lab File: VV011724.D

Acq: 24 Jun 2019 10:35

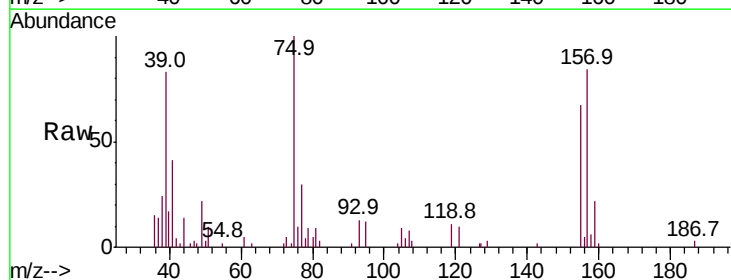
Tgt Ion: 75 Resp: 8395

Ion Ratio Lower Upper

75 100

155 66.7 59.4 89.0

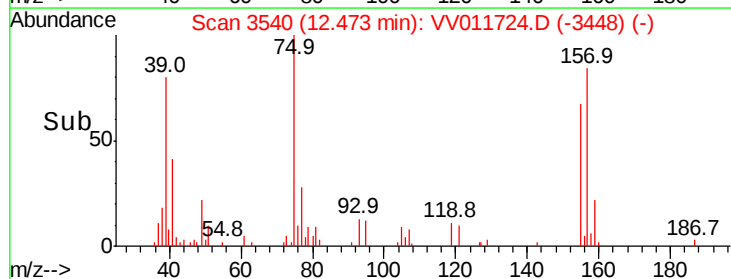
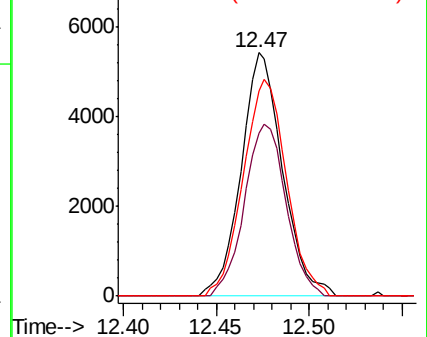
157 84.5 77.5 116.3

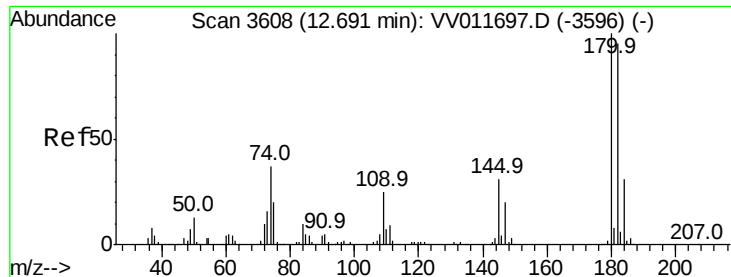


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

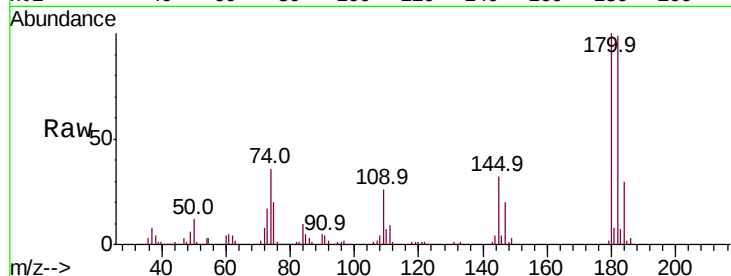




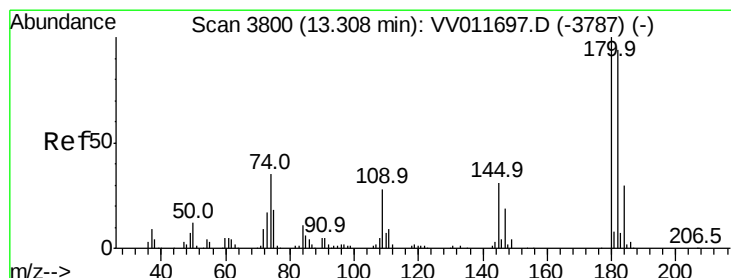
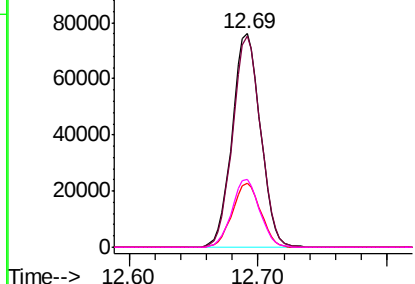
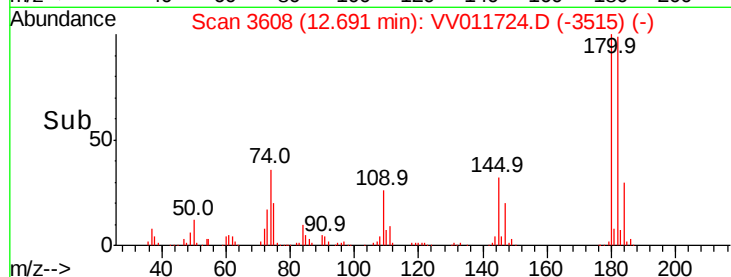
#67
 1,3,5-Trichlorobenzene
 Concen: 5.016 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV011724.D
 Acq: 24 Jun 2019 10:35

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 116041
 Ion Ratio Lower Upper
 180 100
 182 97.6 77.3 115.9
 184 29.9 24.9 37.3
 145 31.1 25.2 37.8

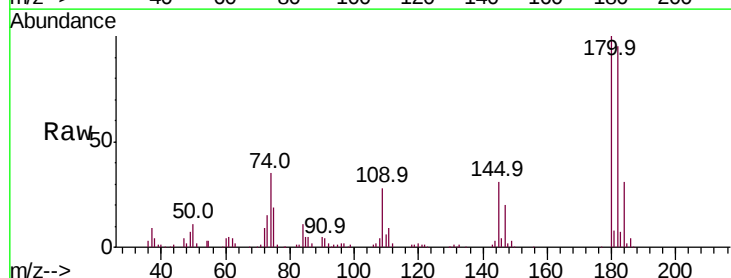


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

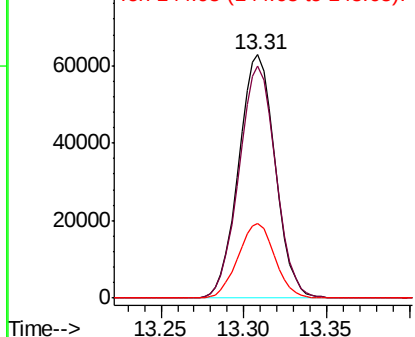
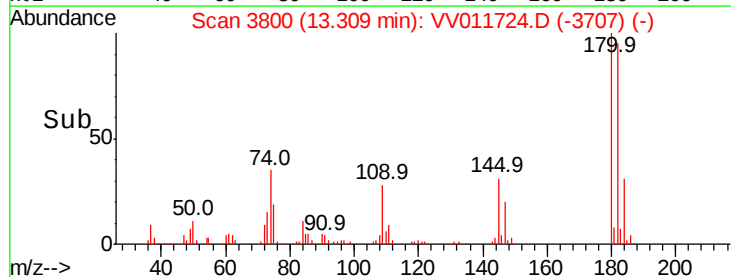


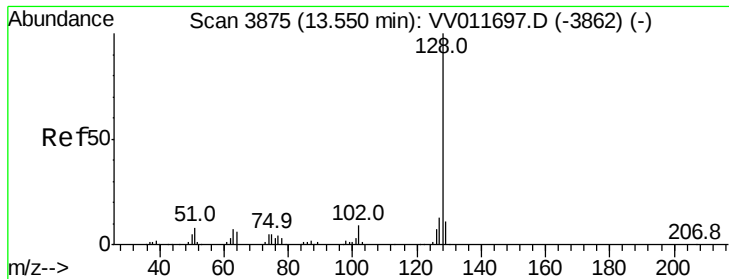
#68
 1,2,4-trichlorobenzene
 Concen: 5.365 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV011724.D
 Acq: 24 Jun 2019 10:35

Tgt Ion:180 Resp: 96180
 Ion Ratio Lower Upper
 180 100
 182 96.1 76.6 114.8
 145 30.8 25.3 37.9



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

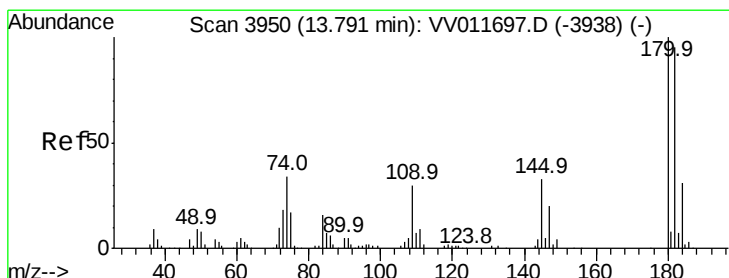
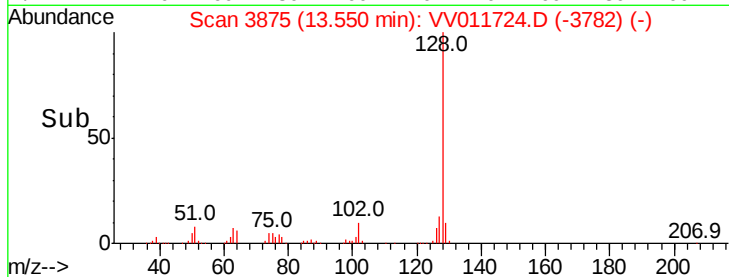
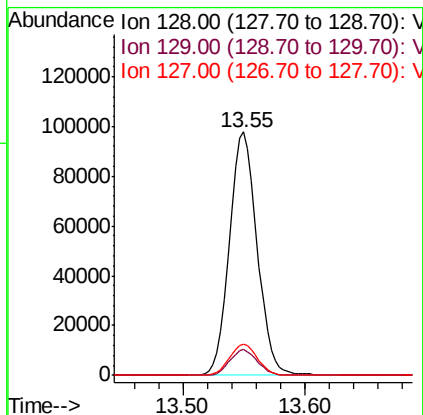
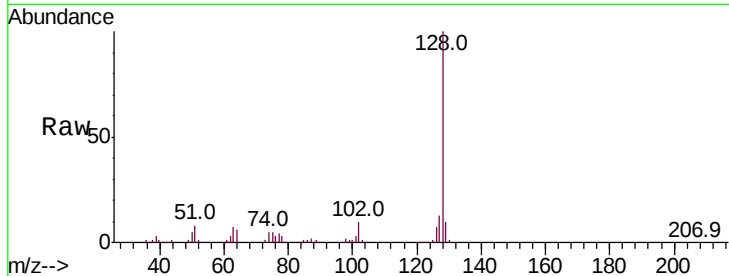




#69
Naphthalene
Concen: 5.297 ug/L
RT: 13.55 min Scan# 3875
Delta R.T. 0.00 min
Lab File: VV011724.D
Acq: 24 Jun 2019 10:35

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:128 Resp: 155240
Ion Ratio Lower Upper
128 100
129 10.6 8.7 13.1
127 13.1 10.5 15.7



#70
1,2,3-Trichlorobenzene
Concen: 5.247 ug/L
RT: 13.79 min Scan# 3950
Delta R.T. 0.00 min
Lab File: VV011724.D
Acq: 24 Jun 2019 10:35

Tgt Ion:180 Resp: 87434
Ion Ratio Lower Upper
180 100
182 95.4 75.0 112.4
145 33.4 26.2 39.2

