

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062419\
 Data File : VV011742.D
 Acq On : 24 Jun 2019 20:34
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25ML/MSVOA V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 25 08:23:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR062119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 25 08:19:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	180549	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	171091	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	80152	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	49533	4.13	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.60%
7) Chloroethane-d5	1.58	69	36561	4.34	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.80%
11) 1,1-Dichloroethene-d2	2.12	63	105050	4.31	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.20%
20) 2-Butanone-d5	3.95	46	174203	55.19	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.38%
24) Chloroform-d	4.40	84	112069	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.60%
26) 1,2-Dichloroethane-d4	5.08	65	65005	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.00%
32) Benzene-d6	5.09	84	223017	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.40%
36) 1,2-Dichloropropane-d6	6.12	67	68449	4.66	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.20%
41) Toluene-d8	7.36	98	204819	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.80%
43) trans-1,3-Dichloropropene-	7.66	79	23856	4.65	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.00%
46) 2-Hexanone-d5	8.13	63	135331	56.15	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	112.30%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	53218	5.21	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	71684	4.74	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	80337	4.278	ug/L 97
3) Chloromethane	1.25	50	82270	4.828	ug/L 100
5) Vinyl chloride	1.32	62	75309	4.511	ug/L 97
6) Bromomethane	1.53	94	35984	4.945	ug/L 99
8) Chloroethane	1.59	64	36955	4.236	ug/L 96
9) Trichlorofluoromethane	1.76	101	99133	4.589	ug/L 97
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	54482	4.451	ug/L 97
12) 1,1-Dichloroethene	2.13	96	50466	4.517	ug/L 98
13) Acetone	2.20	43	107508	47.147	ug/L 99
14) Carbon disulfide	2.31	76	124170	4.129	ug/L 99
15) Methyl Acetate	2.46	43	27873	4.909	ug/L 98
16) Methylene chloride	2.53	84	54898	4.409	ug/L 98
17) Methyl tert-butyl Ether	2.81	73	147091	4.813	ug/L 99
18) trans-1,2-Dichloroethene	2.78	96	60294	4.590	ug/L 97
19) 1,1-Dichloroethane	3.22	63	121001	4.634	ug/L 98
21) 2-Butanone	4.03	43	188402	51.282	ug/L 97
22) cis-1,2-Dichloroethene	3.96	96	65174	4.515	ug/L 99

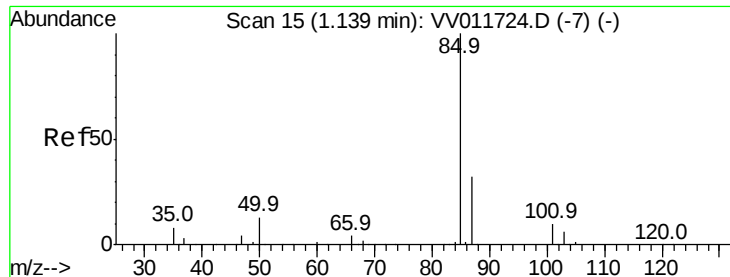
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062419\
 Data File : VV011742.D
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 25 08:19:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	25472	4.683	ug/L	98
25) Chloroform	4.42	83	125310	4.371	ug/L	98
27) 1,2-Dichloroethane	5.18	62	82543	4.751	ug/L	97
29) 1,1,1-Trichloroethane	4.65	97	99526	4.518	ug/L	99
30) Cyclohexane	4.72	56	107794	4.284	ug/L	97
31) Carbon tetrachloride	4.87	117	80869	4.343	ug/L	100
33) Benzene	5.14	78	259302	4.572	ug/L	100
34) Trichloroethene	5.96	95	65302	4.341	ug/L	98
35) Methylcyclohexane	6.17	83	105304	4.337	ug/L	98
37) 1,2-Dichloropropane	6.22	63	64652	4.489	ug/L	99
38) Bromodichloromethane	6.55	83	73496	4.475	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	86247	4.563	ug/L	98
40) 4-Methyl-2-pentanone	7.28	43	463819	51.345	ug/L	100
42) Toluene	7.43	91	273346	4.612	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	67457	4.819	ug/L	96
45) 1,1,2-Trichloroethane	7.88	97	43712	4.782	ug/L	99
47) Tetrachloroethene	8.02	164	49358	4.406	ug/L	97
48) 2-Hexanone	8.19	43	332257	52.311	ug/L	99
49) Dibromochloromethane	8.29	129	45028	4.901	ug/L	98
50) 1,2-Dibromoethane	8.40	107	40804	4.889	ug/L	100
51) Chlorobenzene	8.92	112	166016	4.518	ug/L	99
52) Ethylbenzene	9.05	91	297408	4.547	ug/L	99
53) m,p-xylene	9.18	106	109740	4.568	ug/L	100
54) o-xylene	9.59	106	108594	4.624	ug/L	99
55) Styrene	9.60	104	180526	4.823	ug/L	100
56) Isopropylbenzene	9.97	105	288394	4.583	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	55580	5.114	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	40429	4.831	ug/L	99
61) Bromoform	9.77	173	20528	4.560	ug/L	96
62) 1,3-Dichlorobenzene	11.22	146	122942	4.547	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	121313	4.344	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	119739	4.650	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	7626	5.171	ug/L	94
67) 1,3,5-Trichlorobenzene	12.69	180	89572	4.455	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	73089	4.691	ug/L	99
69) Naphthalene	13.55	128	135544	5.321	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	71413	4.931	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.278 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV011742.D

Acq: 24 Jun 2019 20:34

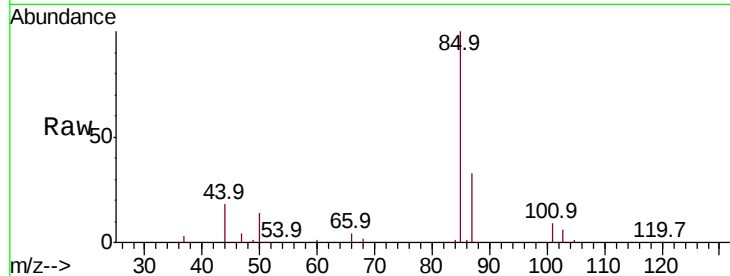
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 80337

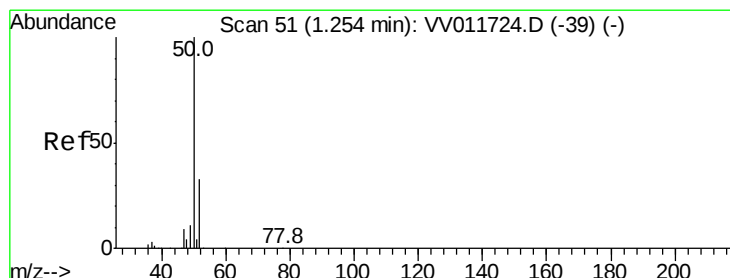
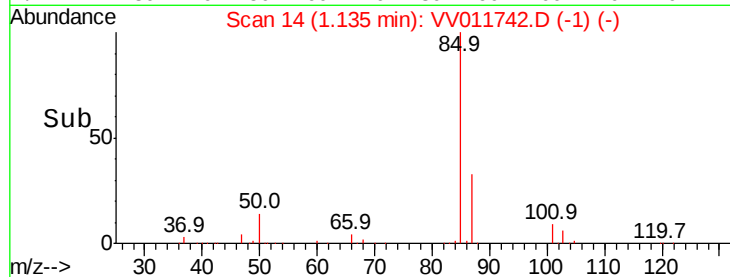
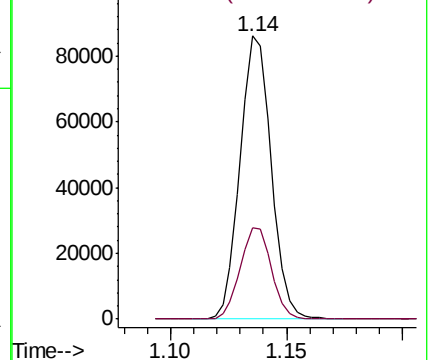
Ion Ratio Lower Upper

85 100

87 32.6 25.0 37.4



Abundance Ion 85.00 (84.70 to 85.70): VV0
Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 4.828 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.01 min

Lab File: VV011742.D

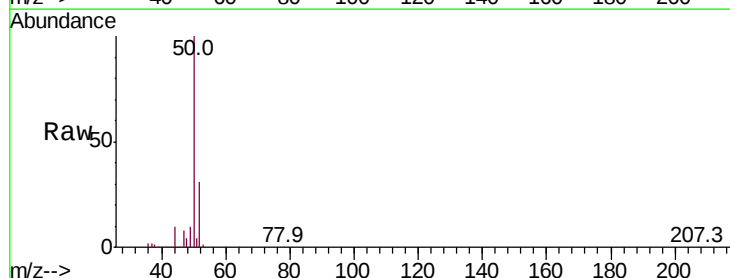
Acq: 24 Jun 2019 20:34

Tgt Ion: 50 Resp: 82270

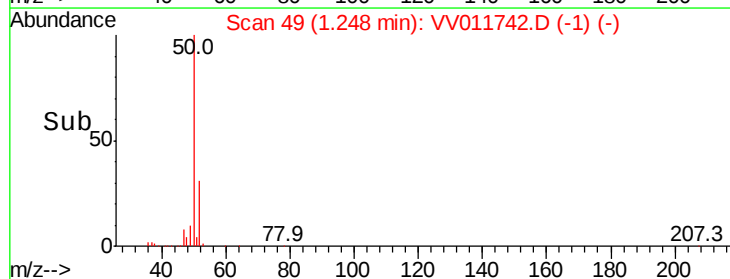
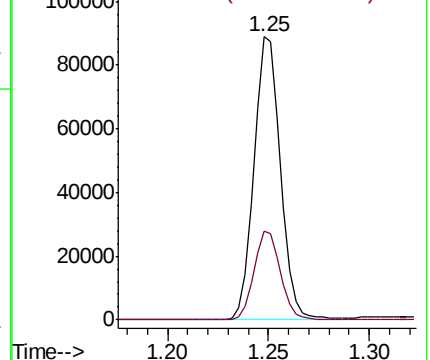
Ion Ratio Lower Upper

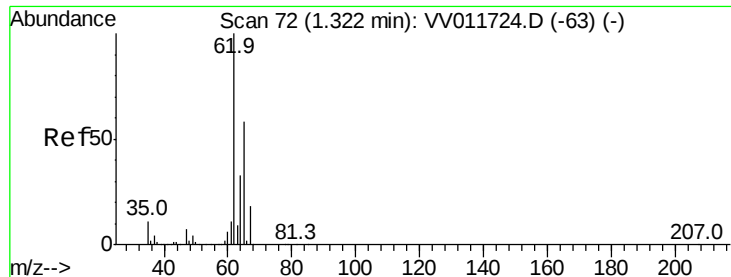
50 100

52 31.3 22.0 40.8



Abundance Ion 50.05 (49.75 to 50.75): VV0
Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 4.511 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV011742.D

Acq: 24 Jun 2019 20:34

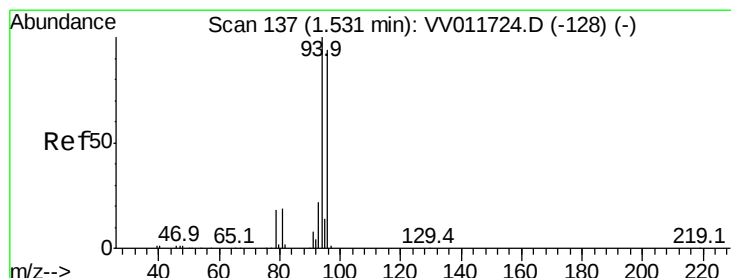
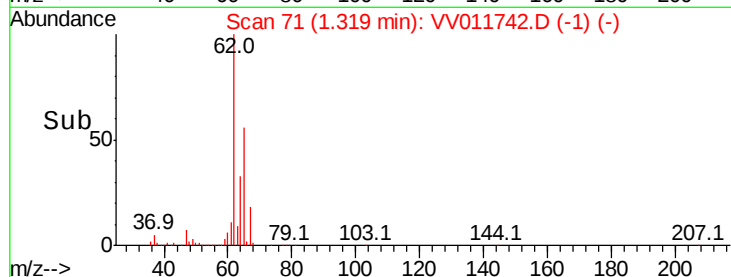
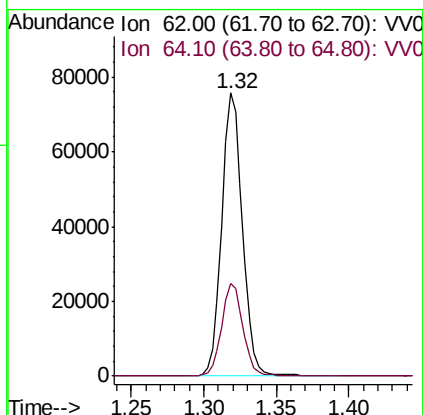
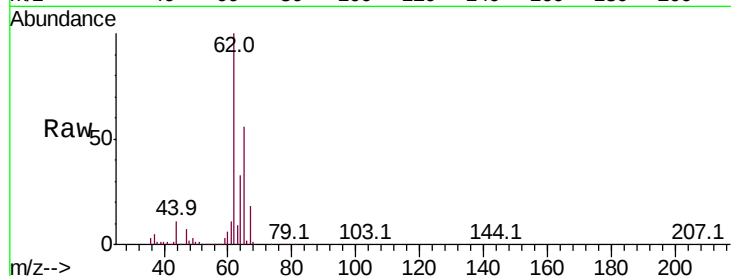
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 75309

Ion Ratio Lower Upper

62 100

64 32.6 24.1 44.7



#6

Bromomethane

Concen: 4.945 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV011742.D

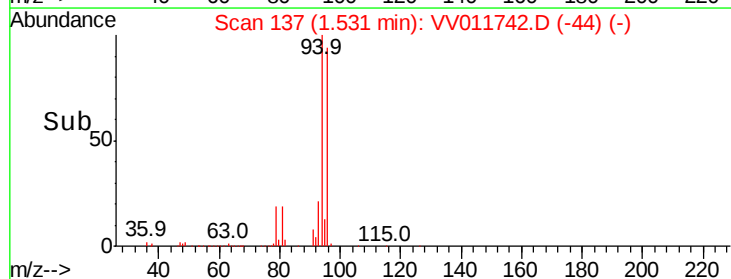
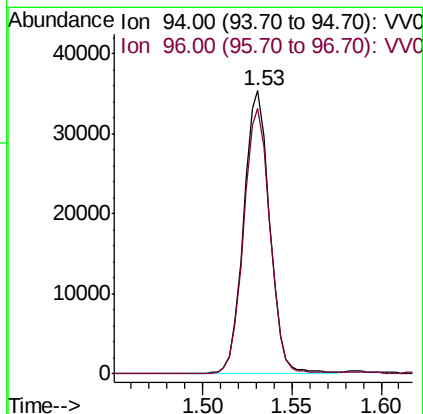
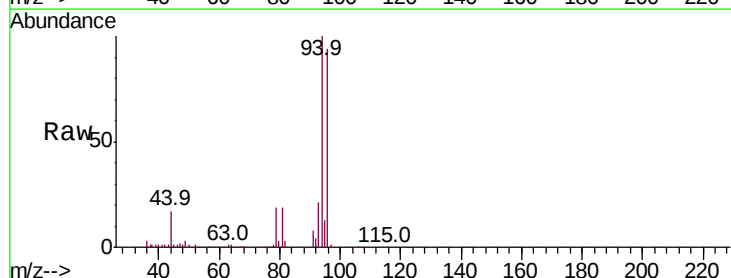
Acq: 24 Jun 2019 20:34

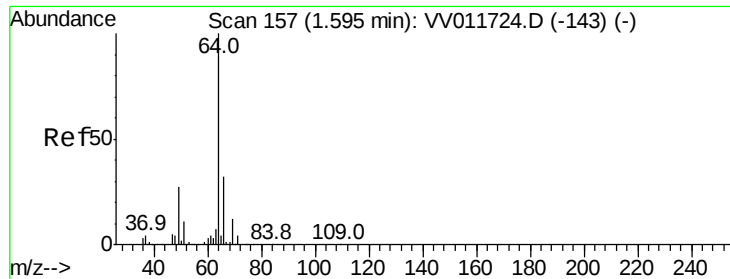
Tgt Ion: 94 Resp: 35984

Ion Ratio Lower Upper

94 100

96 93.8 65.2 121.2





#8

Chloroethane

Concen: 4.236 ug/L

RT: 1.59 min Scan# 156

Delta R.T. -0.00 min

Lab File: VV011742.D

Acq: 24 Jun 2019 20:34

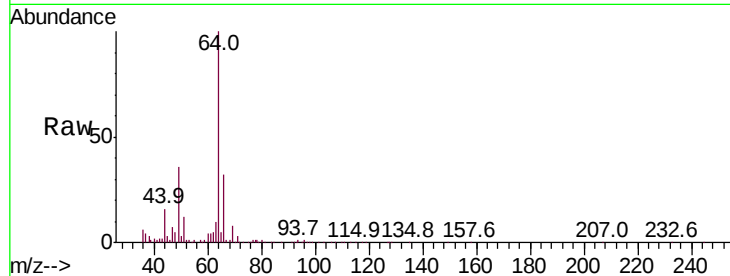
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 36955

Ion Ratio Lower Upper

64 100

66 31.8 20.6 38.4



Abundance Ion 64.10 (63.80 to 64.80): VV011724.D (-143) (-)

Ion 66.05 (65.75 to 66.75): VV011724.D (-143) (-)

1.59

30000

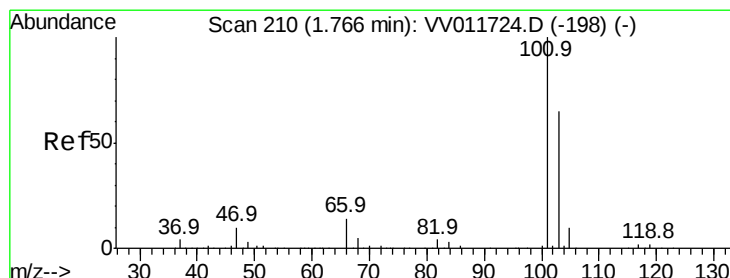
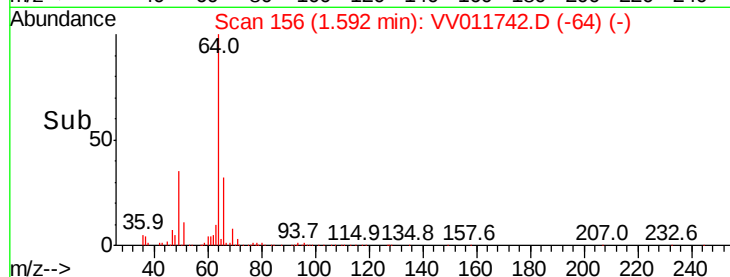
20000

10000

0

1.55 1.60 1.65

Time-->



#9

Trichlorofluoromethane

Concen: 4.589 ug/L

RT: 1.76 min Scan# 208

Delta R.T. -0.01 min

Lab File: VV011742.D

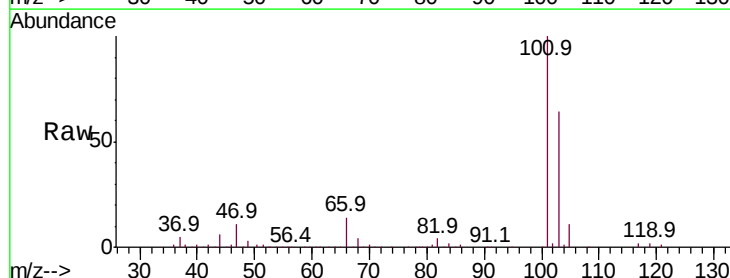
Acq: 24 Jun 2019 20:34

Tgt Ion: 101 Resp: 99133

Ion Ratio Lower Upper

101 100

103 63.1 52.2 78.2



Abundance Ion 101.00 (100.70 to 101.70): VV011724.D (-198) (-)

Ion 103.00 (102.70 to 103.70): VV011724.D (-198) (-)

1.76

80000

60000

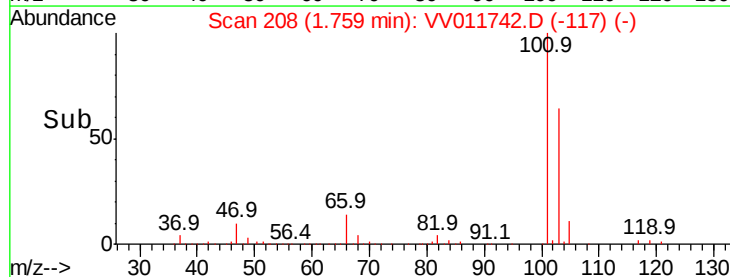
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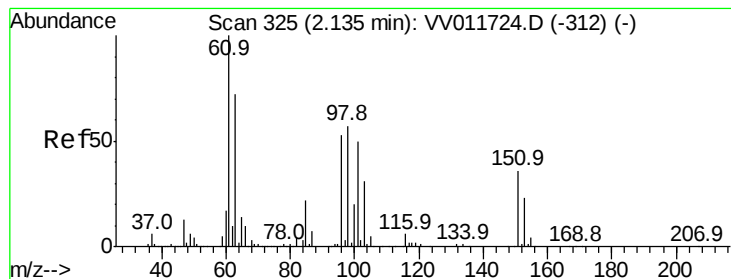
20000

0

1.70 1.75 1.80

Time-->





#10

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

Concen: 4.451 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV011742.D

Acq: 24 Jun 2019 20:34

Instrument :

MSVOA_V

ClientSampleId :

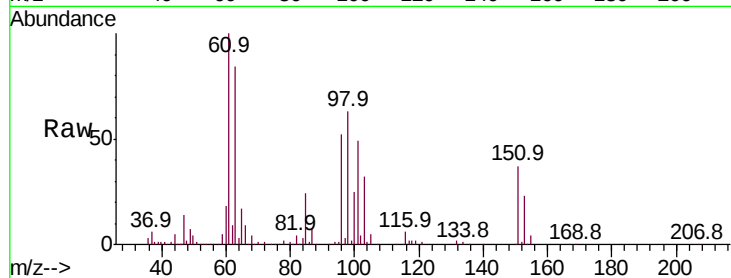
Tot Ion:101 Resp: 54482

Ion Ratio Lower Upper

101 100

85 46.7 35.9 53.9

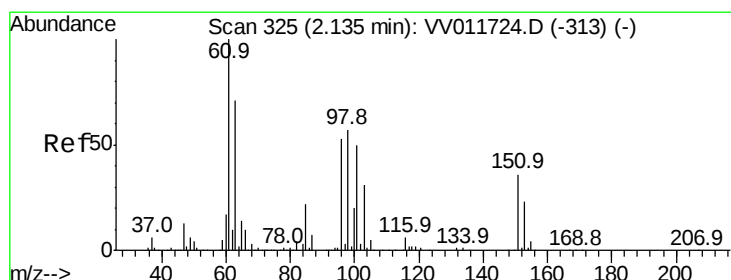
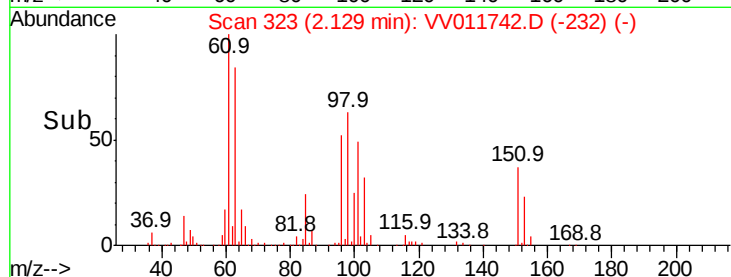
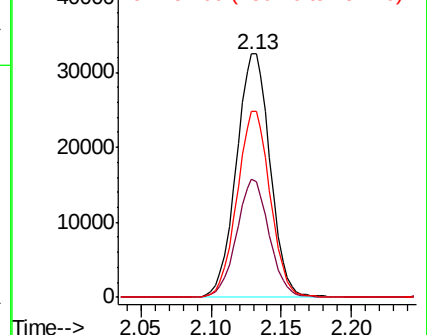
151 74.7 57.4 86.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.517 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV011742.D

Acq: 24 Jun 2019 20:34

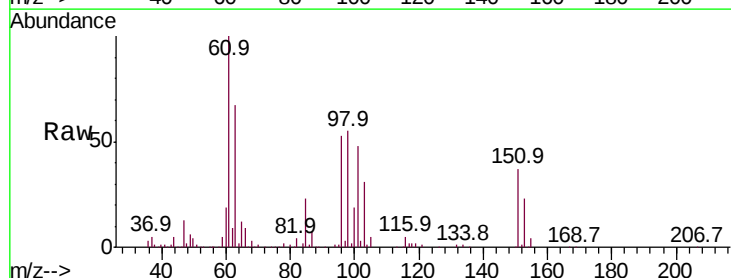
Tgt Ion: 96 Resp: 50466

Ion Ratio Lower Upper

96 100

61 188.4 131.5 244.1

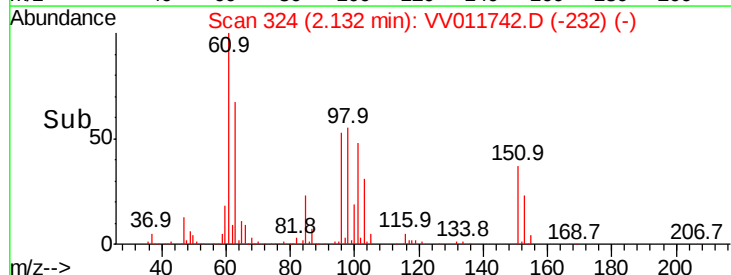
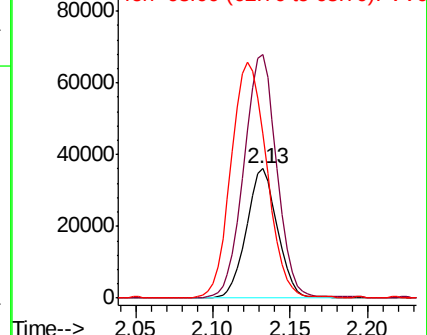
63 127.0 91.8 170.4

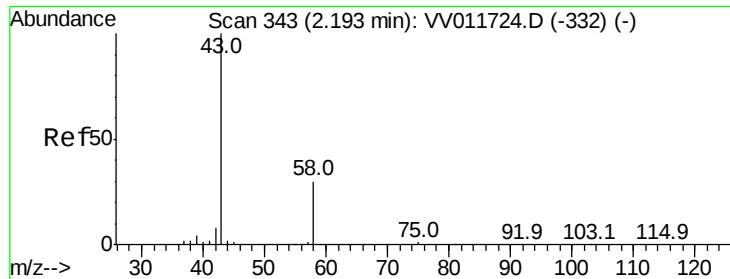


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 47.147 ug/L

RT: 2.20 min Scan# 346

Delta R.T. 0.01 min

Lab File: VV011742.D

Acq: 24 Jun 2019 20:34

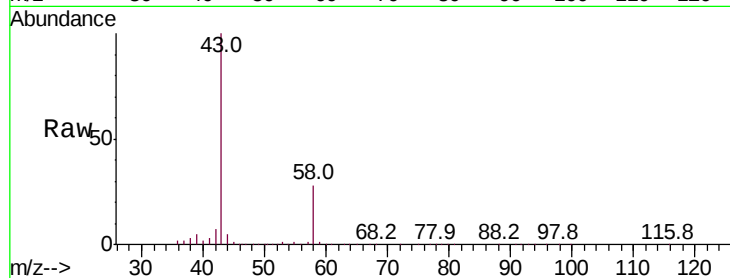
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 107508

Ion Ratio Lower Upper

43 100

58 28.0 0.0 56.6



Abundance Ion 43.05 (42.75 to 43.75): VV011742.D (-332) (-)

Ion 58.05 (57.75 to 58.75): VV011742.D (-332) (-)

2.20

60000

50000

40000

30000

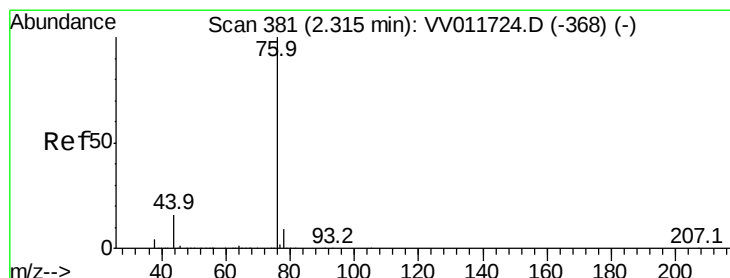
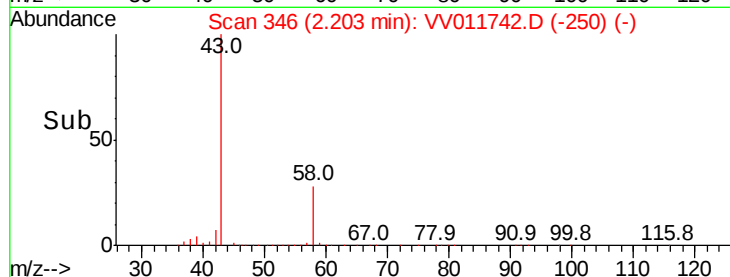
20000

10000

0

Time-->

2.10 2.20 2.30



#14

Carbon disulfide

Concen: 4.129 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.01 min

Lab File: VV011742.D

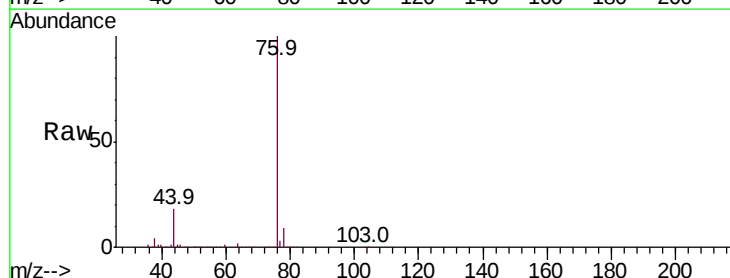
Acq: 24 Jun 2019 20:34

Tgt Ion: 76 Resp: 124170

Ion Ratio Lower Upper

76 100

78 9.1 7.0 10.4



Abundance Ion 76.05 (75.75 to 76.75): VV011742.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VV011742.D (-368) (-)

2.31

100000

80000

60000

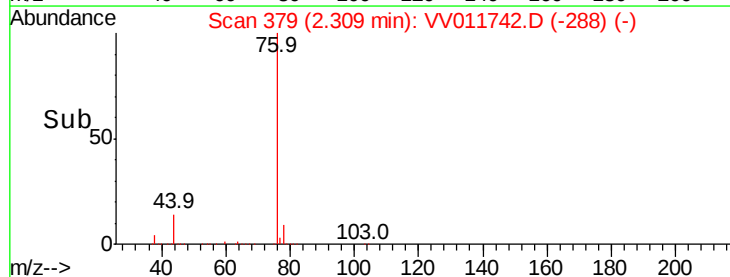
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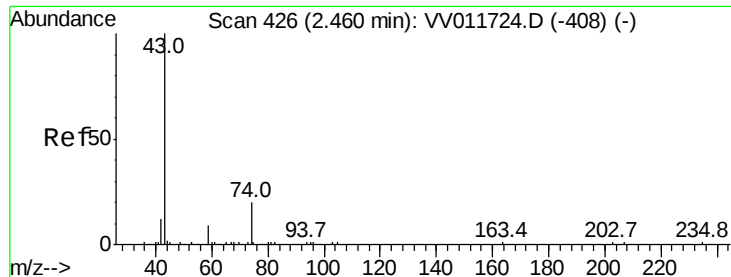
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Time-->

2.25 2.30 2.35

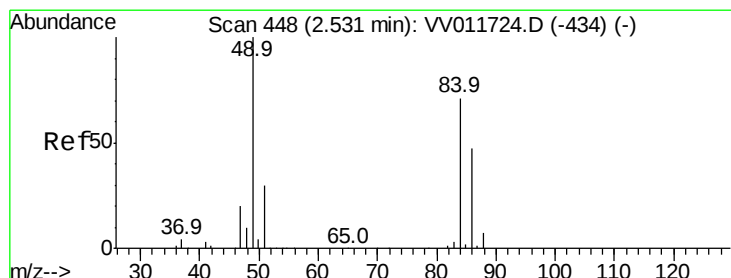
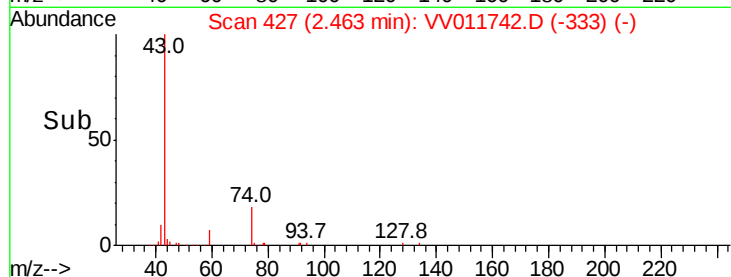
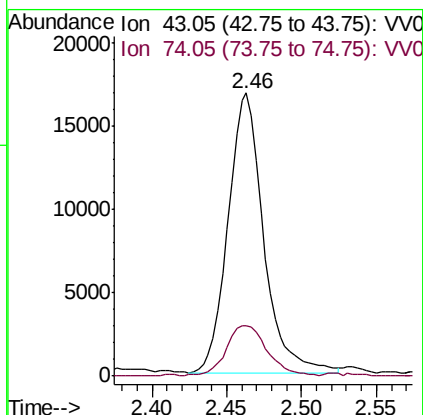
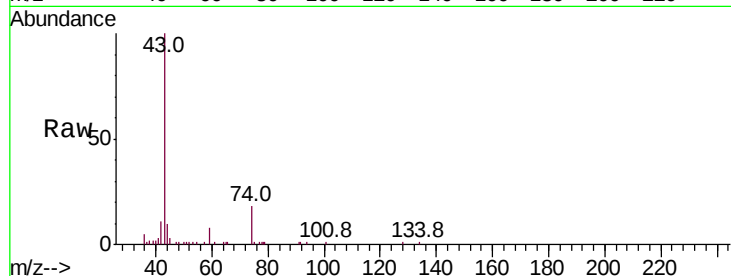




#15
Methyl Acetate
Concen: 4.909 ug/L
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VV011742.D
Acq: 24 Jun 2019 20:34

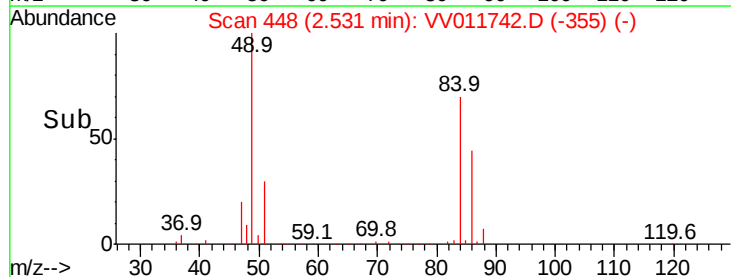
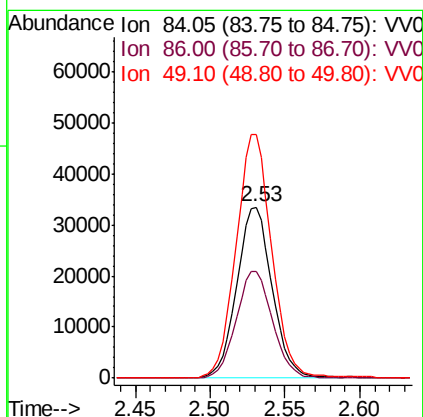
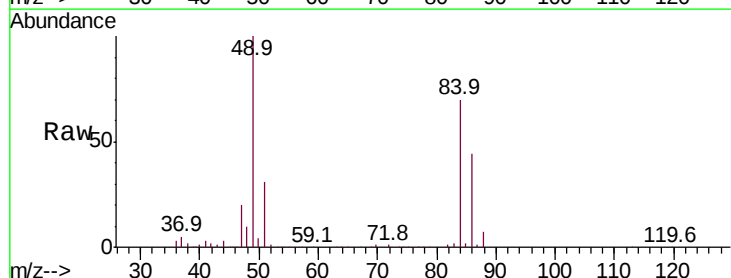
Instrument :
MSVOA_V
ClientSampleId :

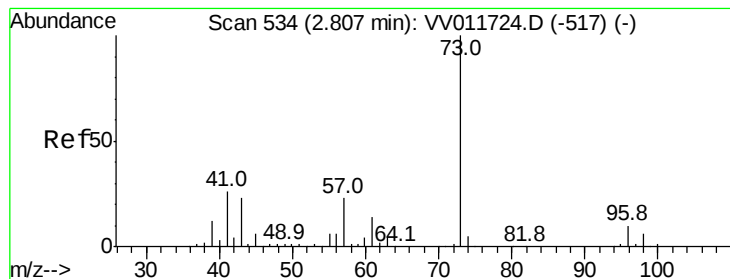
Tot Ion: 43 Resp: 27873
Ion Ratio Lower Upper
43 100
74 21.0 16.2 24.2



#16
Methylene chloride
Concen: 4.409 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.00 min
Lab File: VV011742.D
Acq: 24 Jun 2019 20:34

Tgt Ion: 84 Resp: 54898
Ion Ratio Lower Upper
84 100
86 62.3 44.9 83.5
49 142.4 101.4 188.2



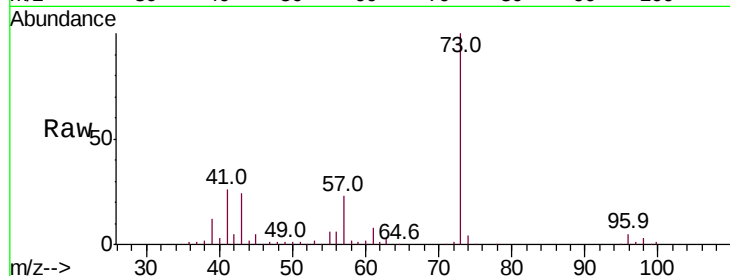


#17

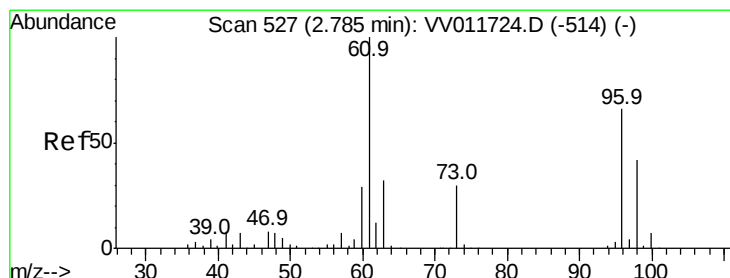
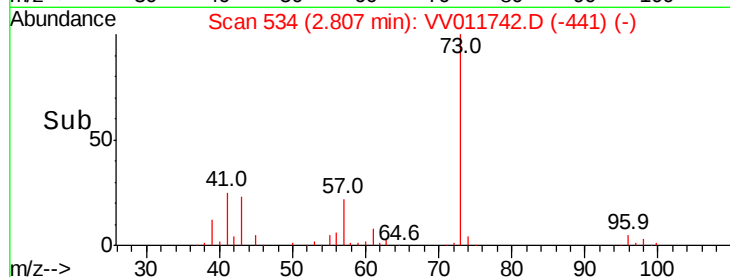
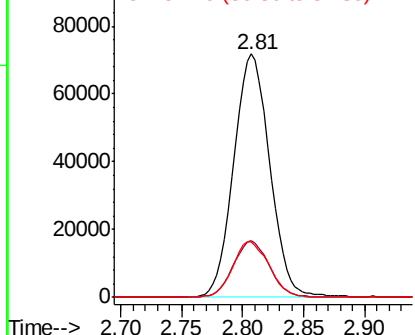
Methvl tert-butvl Ether
 Concen: 4.813 ug/L
 RT: 2.81 min Scan# 534
 Delta R.T. -0.00 min
 Lab File: VV011742.D
 Acq: 24 Jun 2019 20:34

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion:	73	Resp:	147091
Ion	Ratio	Lower	Upper
73	100		
43	22.9	18.9	28.3
57	23.1	18.0	27.0



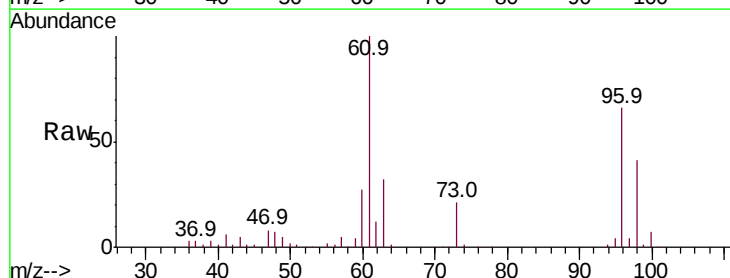
Abundance Ion 73.10 (72.80 to 73.80): VV0
 Ion 43.05 (42.75 to 43.75): VV0
 Ion 57.10 (56.80 to 57.80): VV0



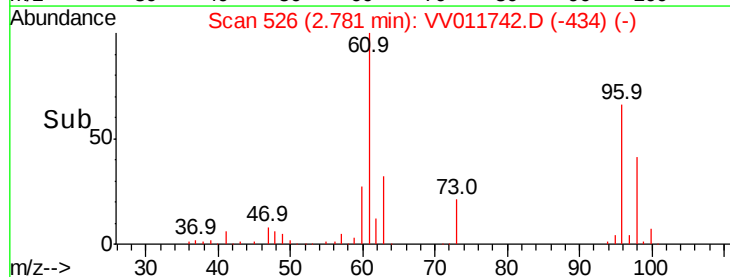
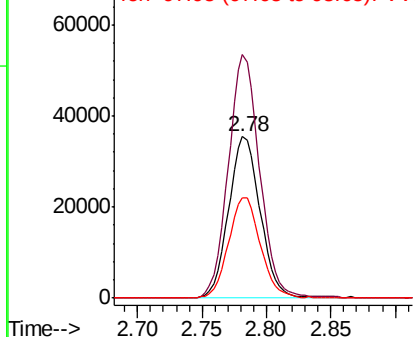
#18

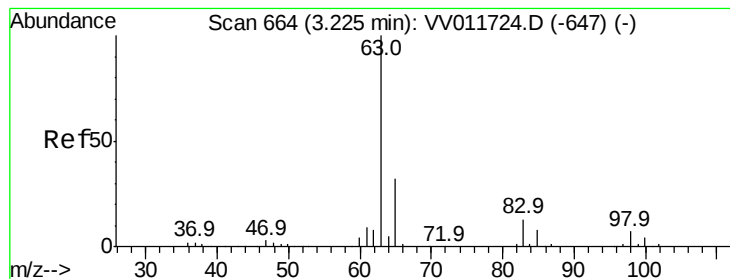
trans-1,2-Dichloroethene
 Concen: 4.590 ug/L
 RT: 2.78 min Scan# 526
 Delta R.T. -0.00 min
 Lab File: VV011742.D
 Acq: 24 Jun 2019 20:34

Tgt Ion:	96	Resp:	60294
Ion	Ratio	Lower	Upper
96	100		
61	151.1	109.3	203.1
98	62.4	44.6	82.8



Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 97.95 (97.65 to 98.65): VV0





#19

1,1-Dichloroethane

Concen: 4.634 ug/L

RT: 3.22 min Scan# 663

Delta R.T. -0.00 min

Lab File: VV011742.D

Acq: 24 Jun 2019 20:34

Instrument :
MSVOA_V
ClientSampleId :

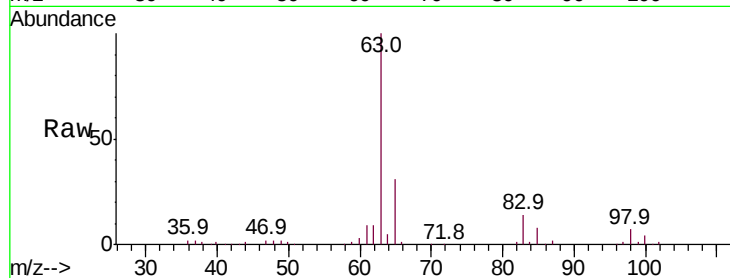
Tot Ion: 63 Resp: 121001

Ion Ratio Lower Upper

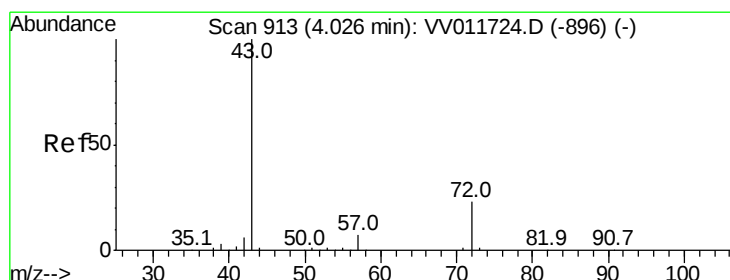
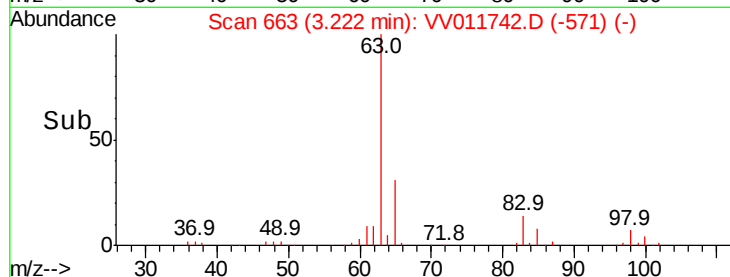
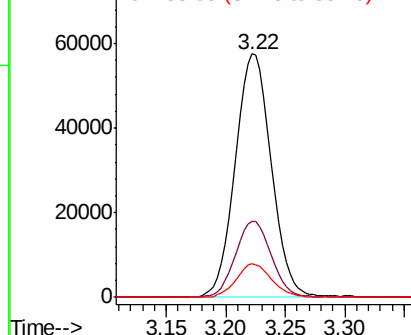
63 100

65 31.4 23.0 42.8

83 13.8 9.5 17.7



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 65.10 (64.80 to 65.80): VV0
Ion 83.05 (82.75 to 83.75): VV0



#21

2-Butanone

Concen: 51.282 ug/L

RT: 4.03 min Scan# 915

Delta R.T. 0.01 min

Lab File: VV011742.D

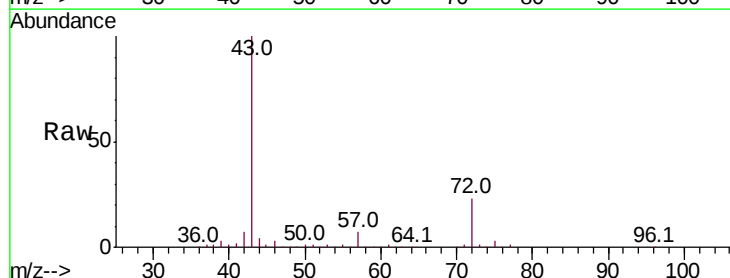
Acq: 24 Jun 2019 20:34

Tgt Ion: 43 Resp: 188402

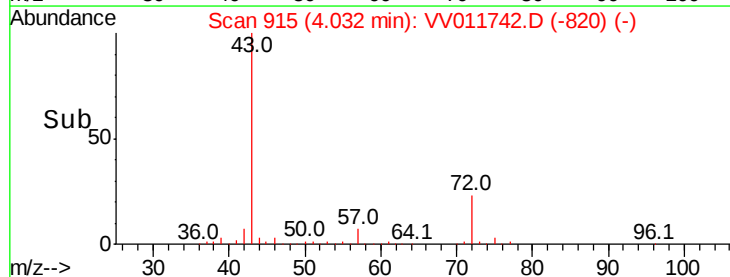
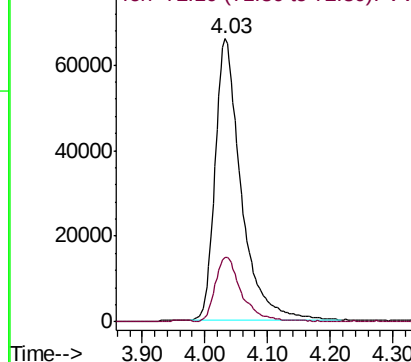
Ion Ratio Lower Upper

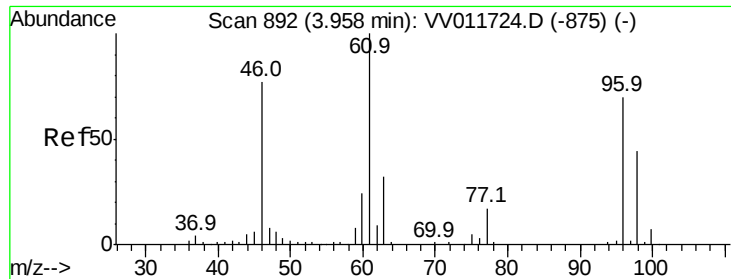
43 100

72 22.9 10.9 32.6



Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 72.10 (71.80 to 72.80): VV0

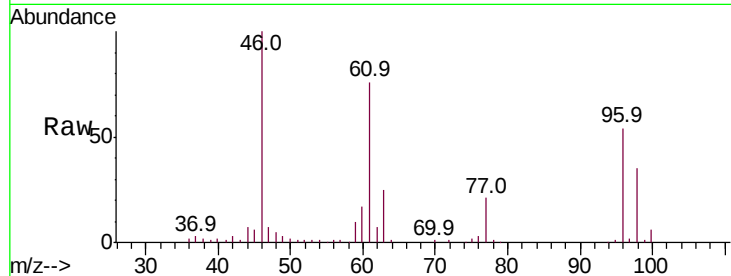




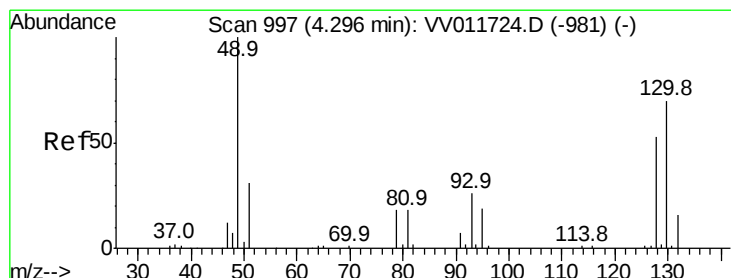
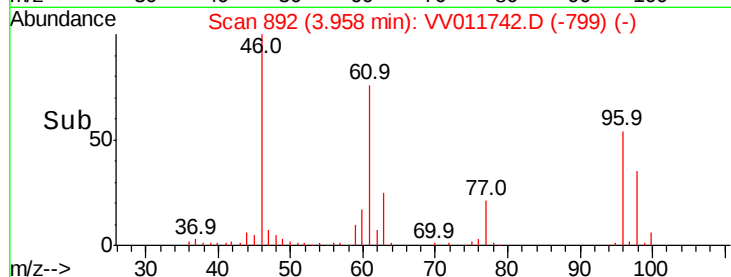
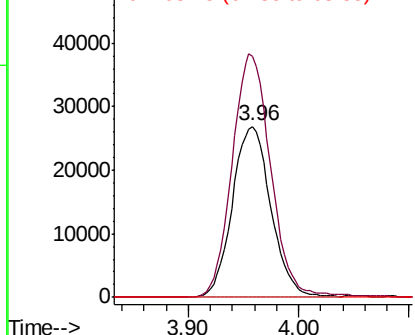
#22
 cis-1,2-Dichloroethene
 Concen: 4.515 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. -0.00 min
 Lab File: VV011742.D
 Acq: 24 Jun 2019 20:34

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 96 Resp: 65174
 Ion Ratio Lower Upper
 96 100
 61 141.3 97.9 181.7
 68 0.0 0.0 0.0

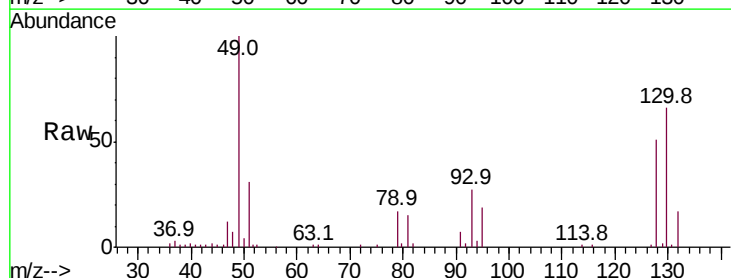


Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0

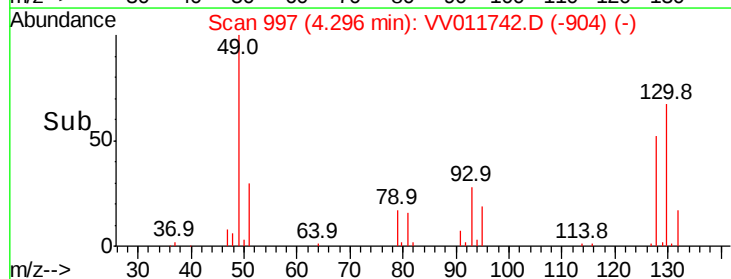
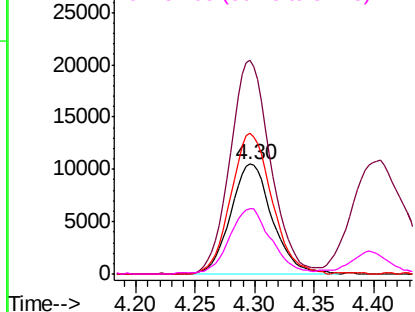


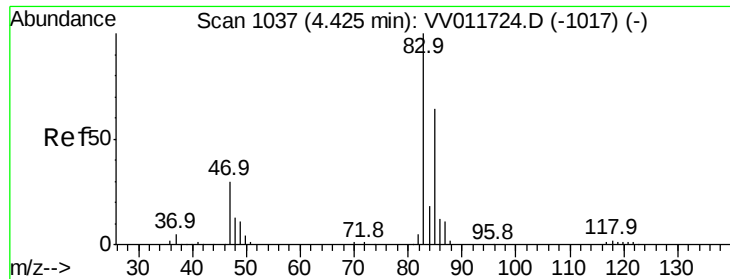
#23
 Bromochloromethane
 Concen: 4.683 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. -0.00 min
 Lab File: VV011742.D
 Acq: 24 Jun 2019 20:34

Tgt Ion: 128 Resp: 25472
 Ion Ratio Lower Upper
 128 100
 49 194.8 134.8 250.4
 130 127.9 91.2 169.4
 51 60.0 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: 4.371 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. -0.00 min

Lab File: VV011742.D

Acq: 24 Jun 2019 20:34

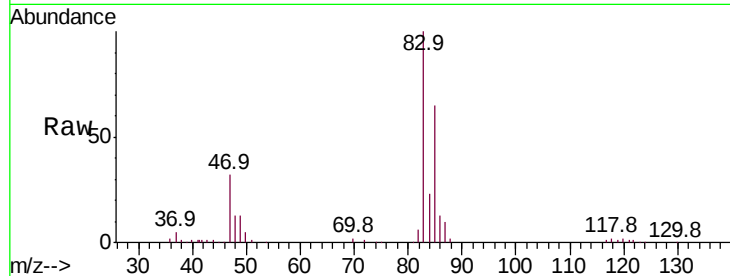
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 125310

Ion Ratio Lower Upper

83 100

85 65.3 47.0 87.2



Abundance Ion 83.05 (82.75 to 83.75): VV011742.D (-1017) (-)

Ion 85.00 (84.70 to 85.70): VV011742.D (-1017) (-)

60000

50000

40000

30000

20000

10000

0

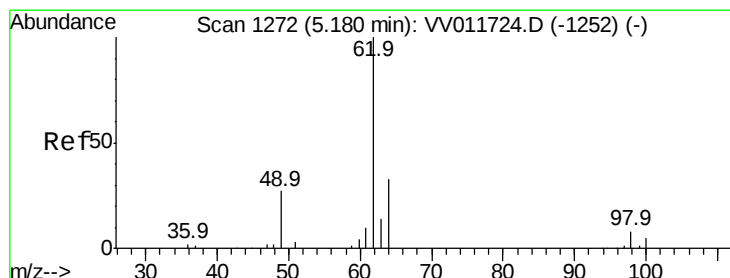
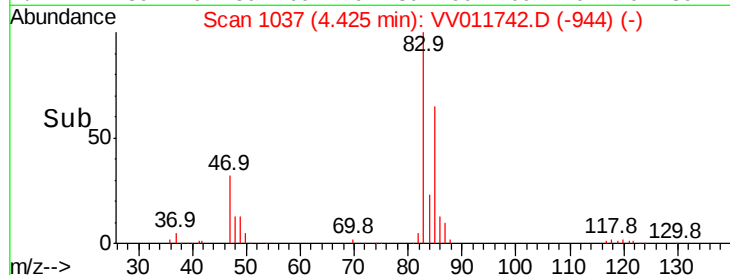
4.42

4.40

4.42

4.44

Time-->



#27

1,2-Dichloroethane

Concen: 4.751 ug/L

RT: 5.18 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VV011742.D

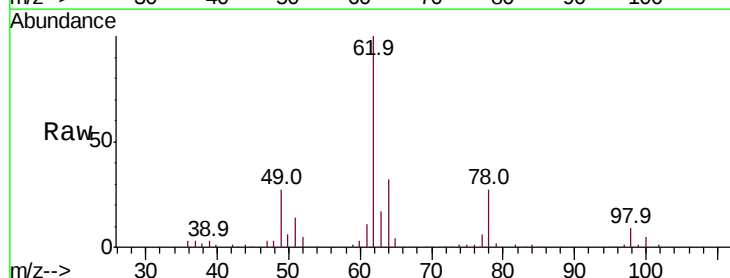
Acq: 24 Jun 2019 20:34

Tgt Ion: 62 Resp: 82543

Ion Ratio Lower Upper

62 100

98 8.8 6.2 9.4



Abundance Ion 62.00 (61.70 to 62.70): VV011724.D (-1252) (-)

Ion 98.05 (97.75 to 98.75): VV011724.D (-1252) (-)

40000

30000

20000

10000

0

5.18

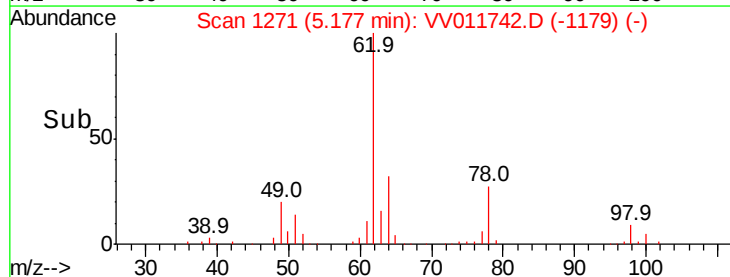
5.16

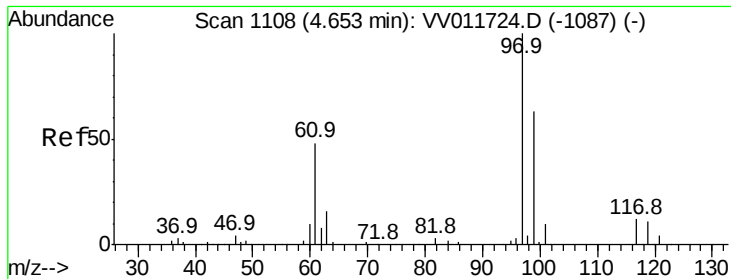
5.18

5.20

5.22

Time-->

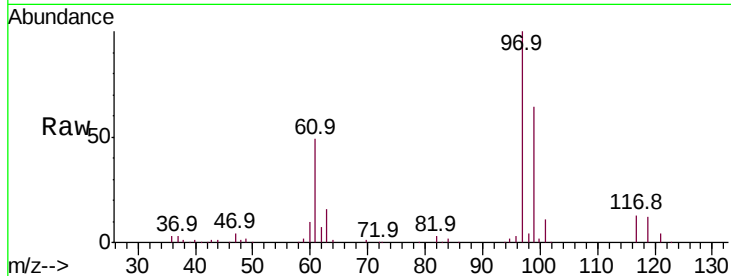




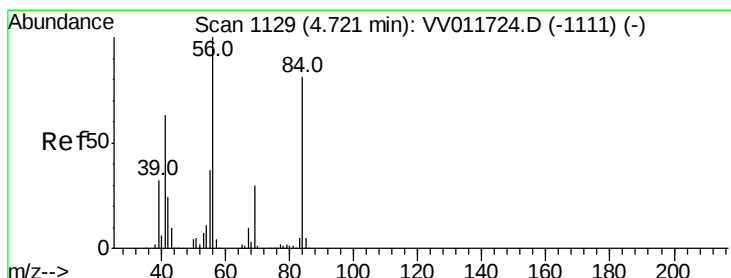
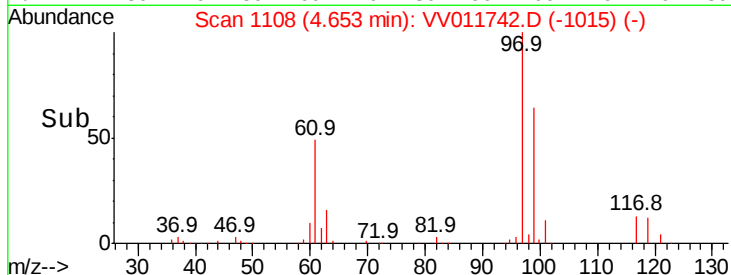
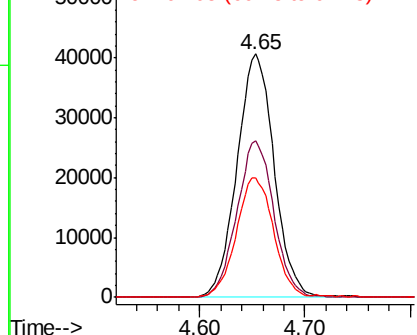
#29
 1,1,1-Trichloroethane
 Concen: 4.518 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. -0.00 min
 Lab File: VV011742.D
 Acq: 24 Jun 2019 20:34

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 97 Resp: 99526
 Ion Ratio Lower Upper
 97 100
 99 63.9 51.6 77.4
 61 49.3 39.8 59.6

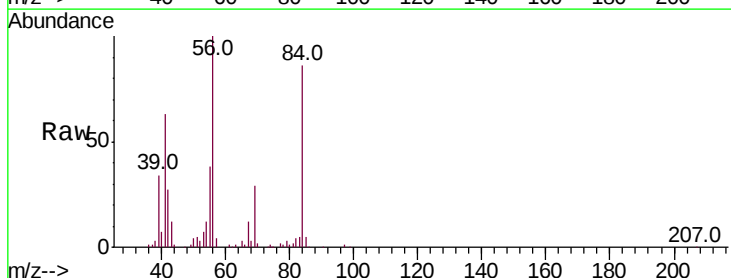


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

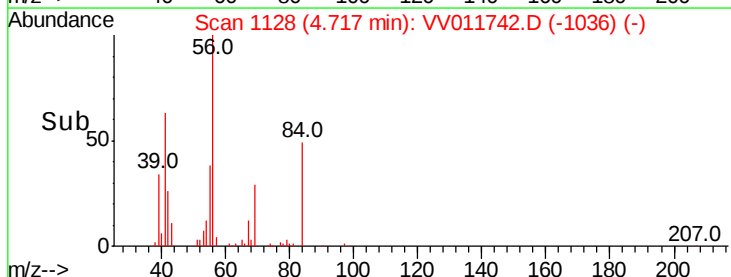
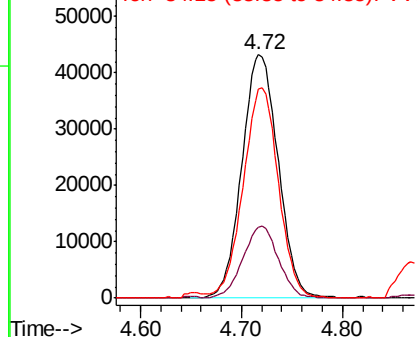


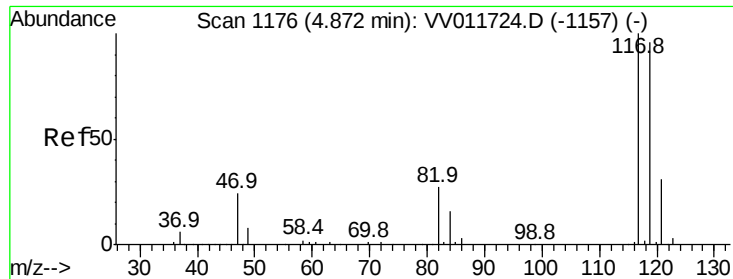
#30
 Cyclohexane
 Concen: 4.284 ug/L
 RT: 4.72 min Scan# 1128
 Delta R.T. -0.00 min
 Lab File: VV011742.D
 Acq: 24 Jun 2019 20:34

Tgt Ion: 56 Resp: 107794
 Ion Ratio Lower Upper
 56 100
 69 29.0 23.2 34.8
 84 84.2 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



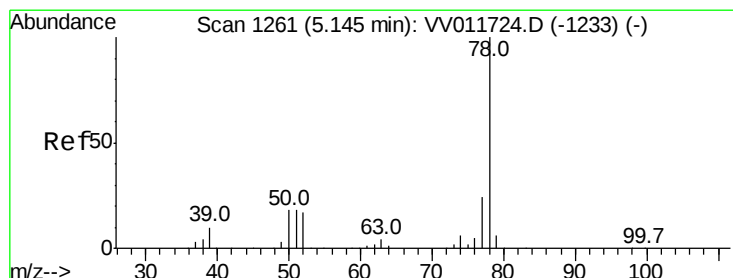
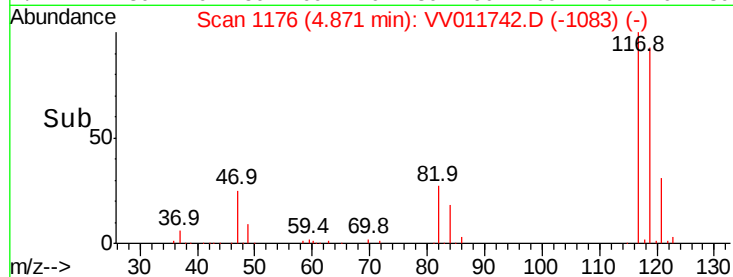
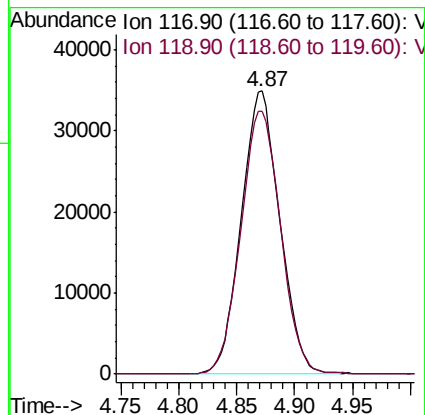
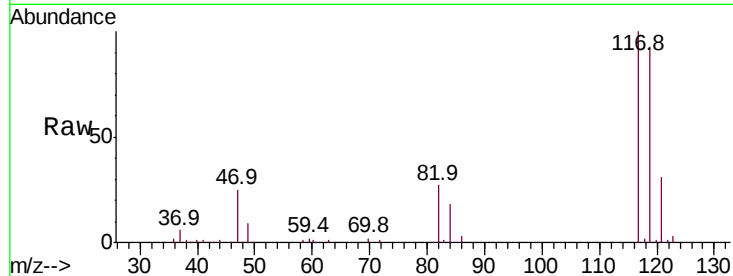


#31

Carbon tetrachloride
Concen: 4.343 ug/L
RT: 4.87 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VV011742.D
Acq: 24 Jun 2019 20:34

Instrument :
MSVOA_V
ClientSampleId :

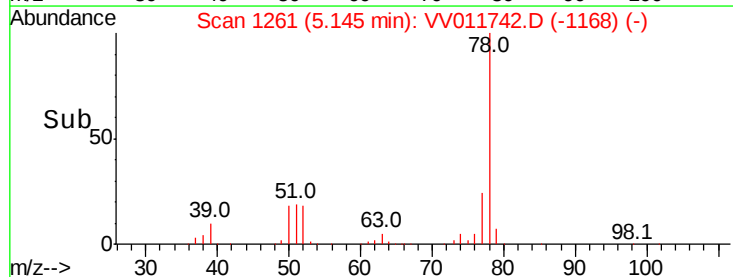
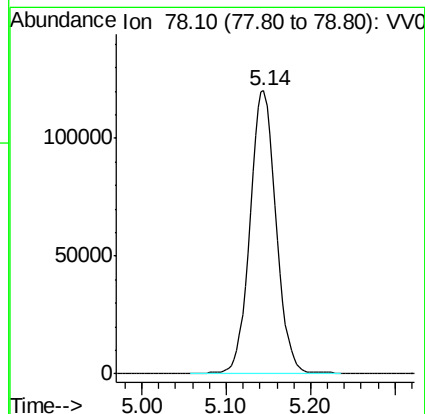
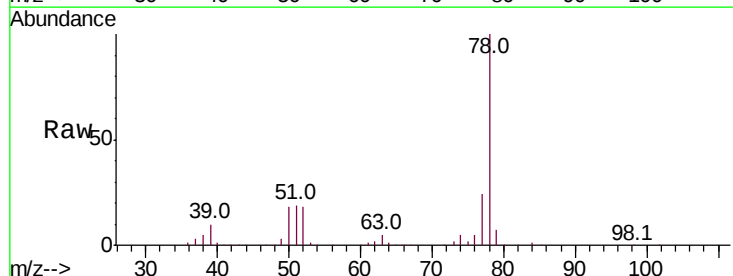
Tot Ion:117 Resp: 80869
Ion Ratio Lower Upper
117 100
119 96.1 77.1 115.7

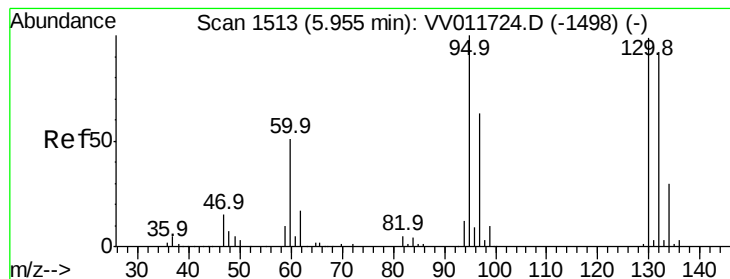


#33

Benzene
Concen: 4.572 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. -0.00 min
Lab File: VV011742.D
Acq: 24 Jun 2019 20:34

Tgt Ion: 78 Resp: 259302





#34

Trichloroethene

Concen: 4.341 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV011742.D

Acq: 24 Jun 2019 20:34

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 65302

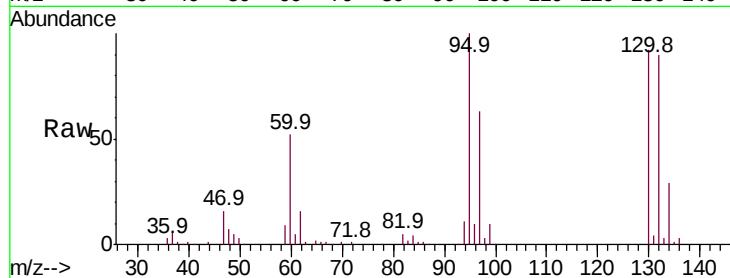
Ion Ratio Lower Upper

95 100

97 63.5 44.4 82.5

132 90.3 65.0 120.6

130 92.4 67.1 124.7

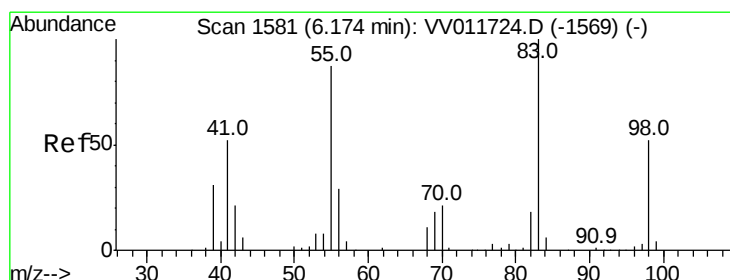
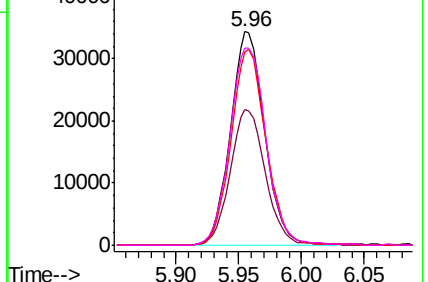
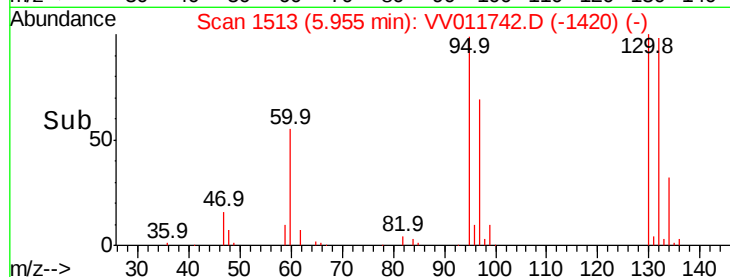


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 4.337 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV011742.D

Acq: 24 Jun 2019 20:34

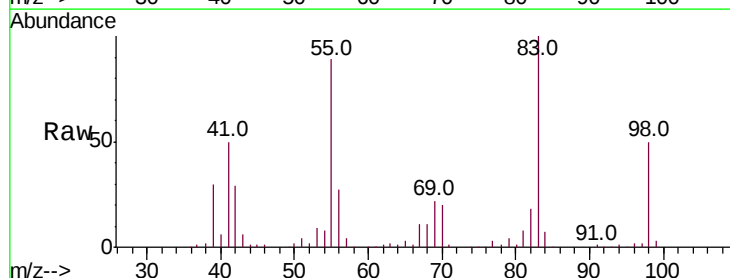
Tgt Ion: 83 Resp: 105304

Ion Ratio Lower Upper

83 100

55 85.9 69.4 104.2

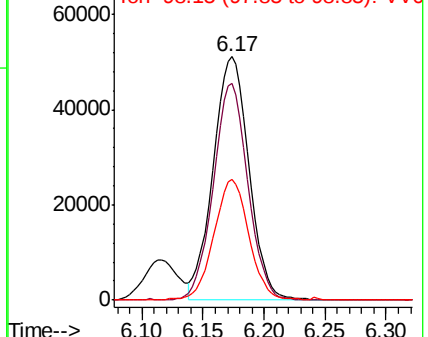
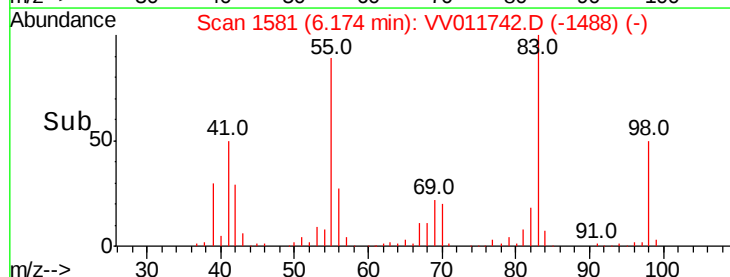
98 48.4 40.2 60.4

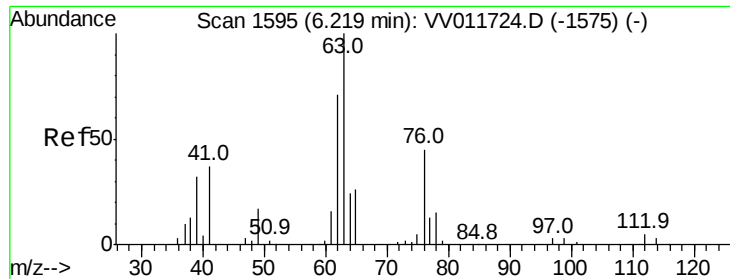


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 4.489 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. -0.00 min

Lab File: VV011742.D

Acq: 24 Jun 2019 20:34

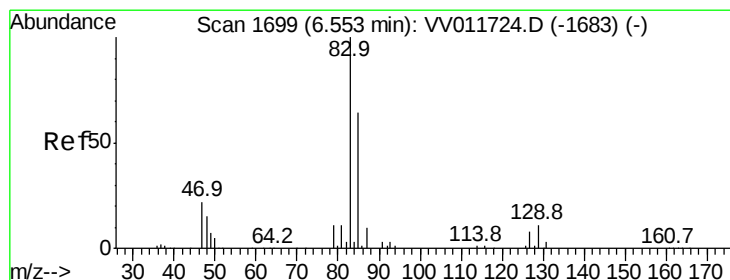
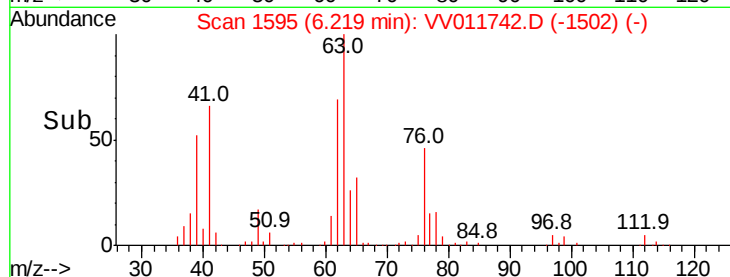
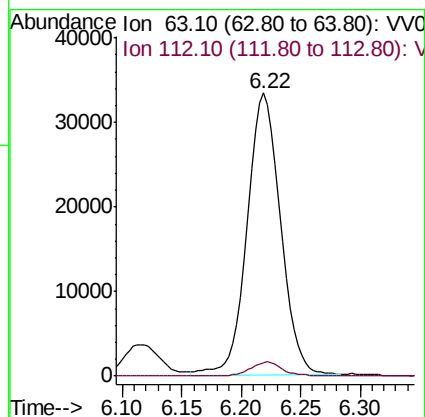
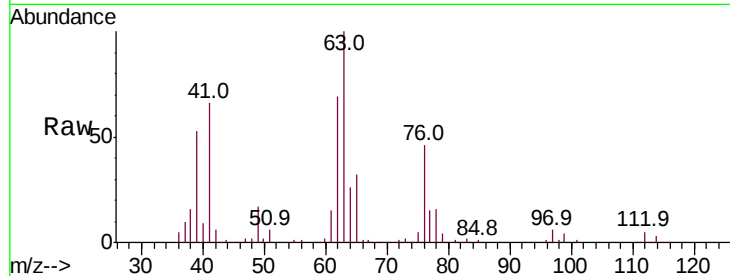
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 63 Resp: 64652

Ion Ratio Lower Upper

63 100

112 4.8 3.4 5.2



#38

Bromodichloromethane

Concen: 4.475 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VV011742.D

Acq: 24 Jun 2019 20:34

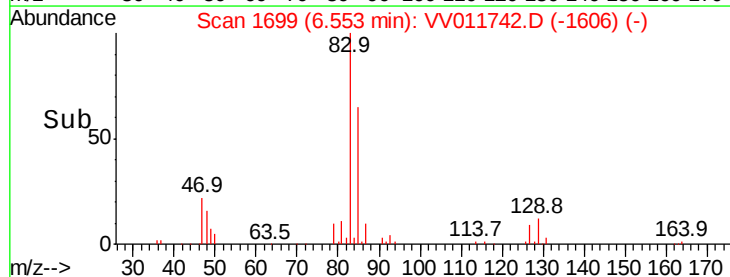
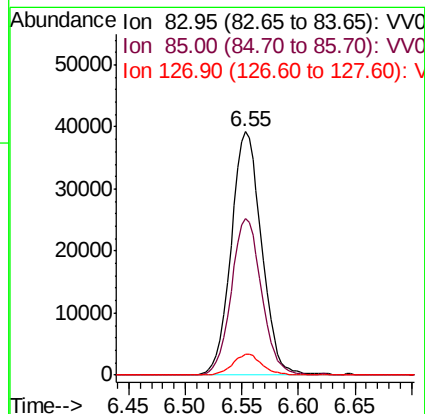
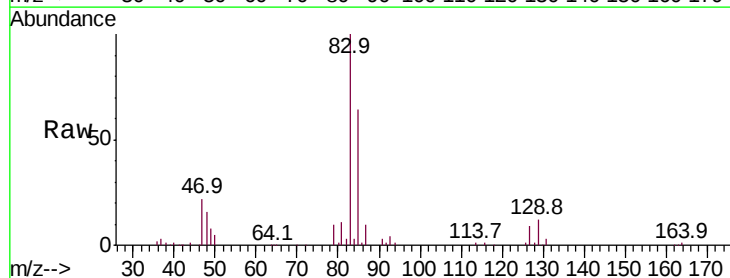
Tgt Ion: 83 Resp: 73496

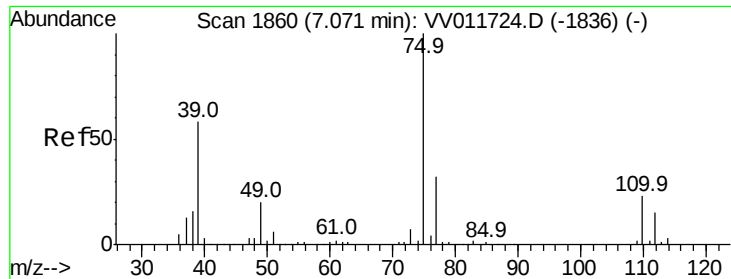
Ion Ratio Lower Upper

83 100

85 64.4 44.5 82.7

127 8.5 6.2 9.2



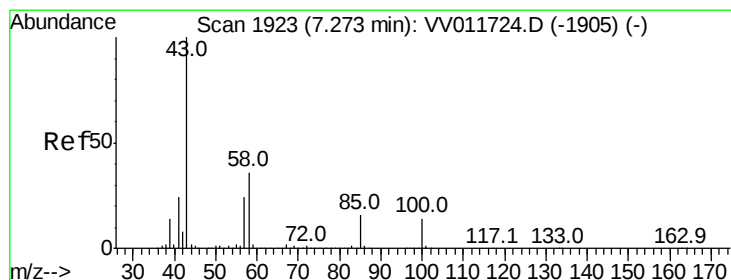
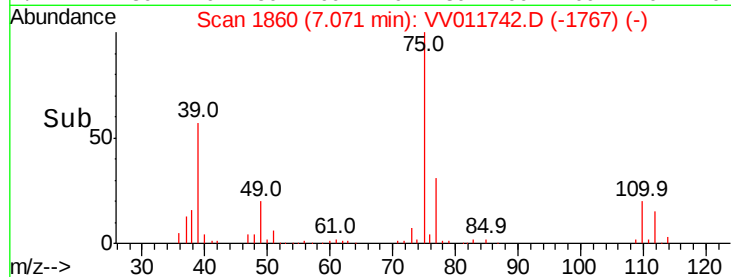
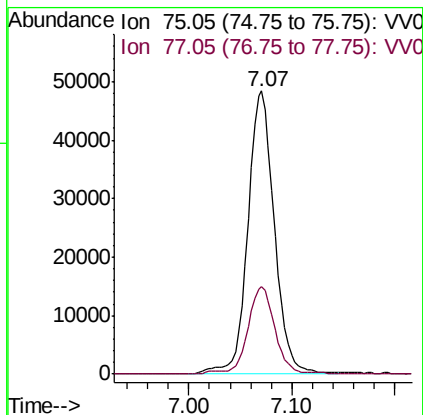
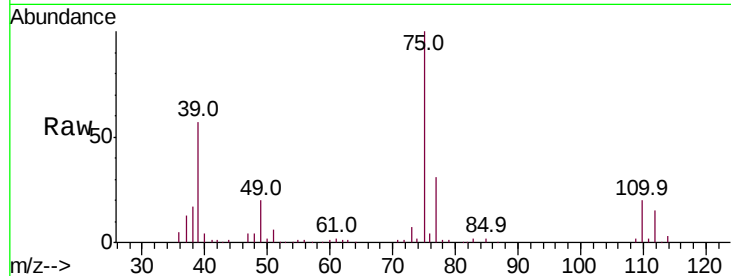


#39

cis-1,3-Dichloropropene
 Concen: 4.563 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VV011742.D
 Acq: 24 Jun 2019 20:34

Instrument :
 MSVOA_V
 ClientSampled :

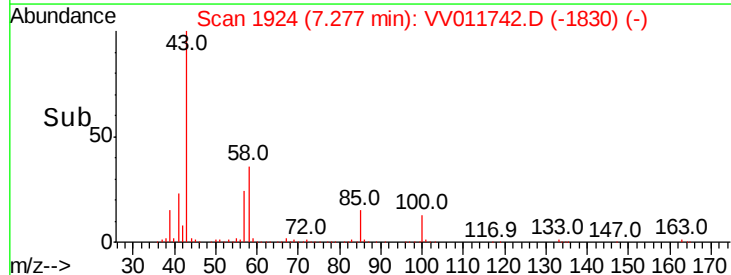
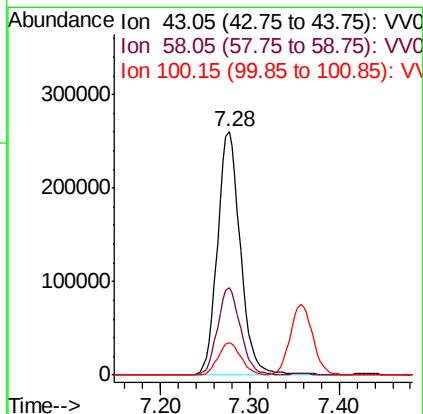
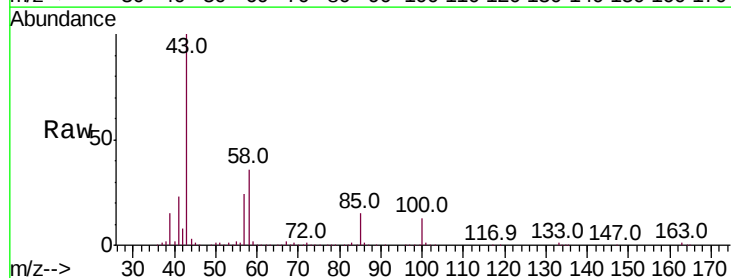
Tot Ion: 75 Resp: 86247
 Ion Ratio Lower Upper
 75 100
 77 30.7 22.4 41.6

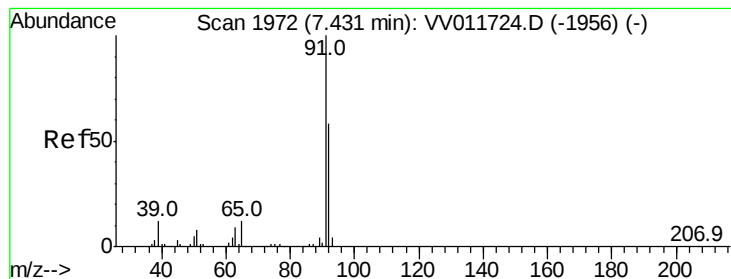


#40

4-Methyl-2-pentanone
 Concen: 51.345 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV011742.D
 Acq: 24 Jun 2019 20:34

Tgt Ion: 43 Resp: 463819
 Ion Ratio Lower Upper
 43 100
 58 35.9 28.6 43.0
 100 13.4 10.7 16.1





#42

Toluene

Concen: 4.612 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV011742.D

Acq: 24 Jun 2019 20:34

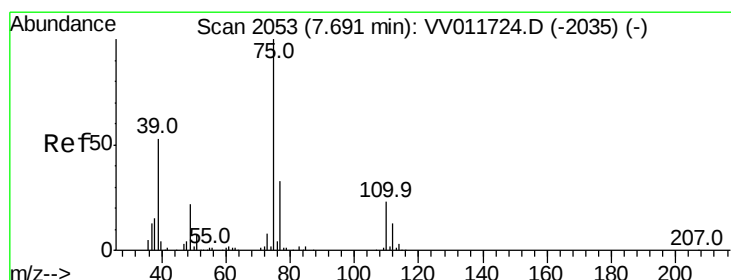
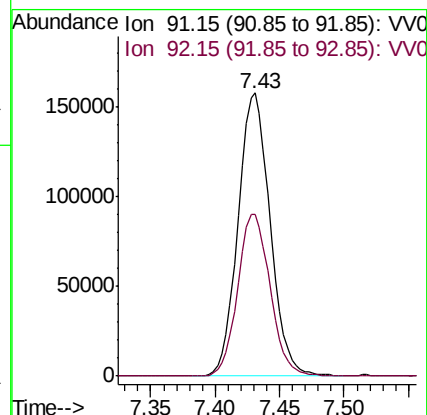
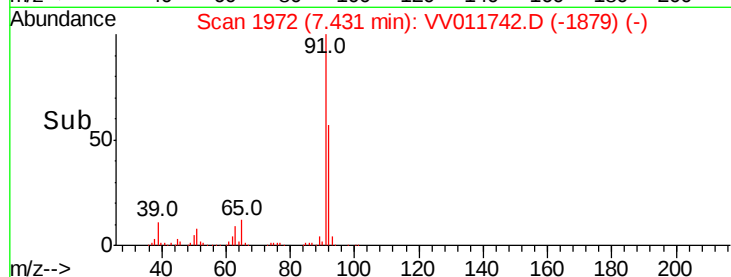
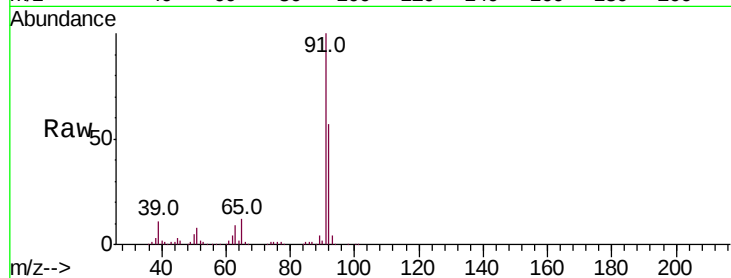
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 273346

Ion Ratio Lower Upper

91 100

92 57.0 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 4.819 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV011742.D

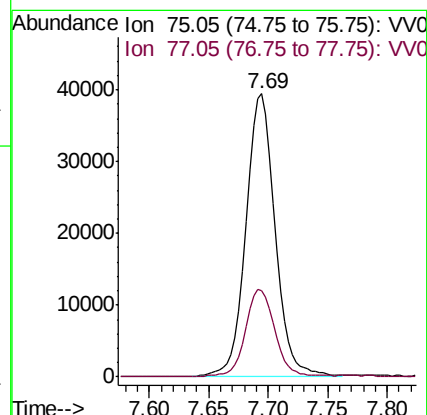
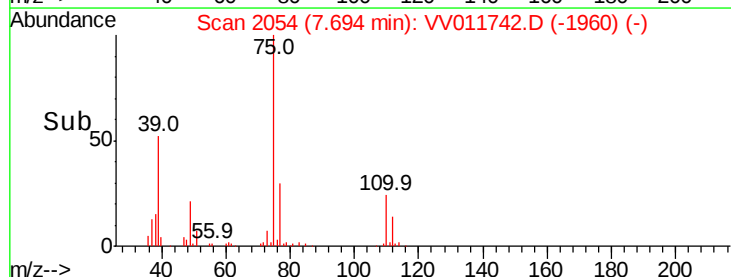
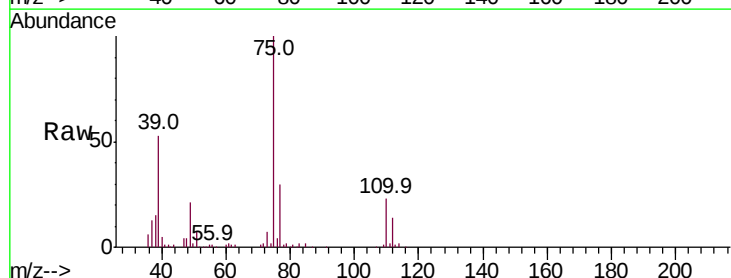
Acq: 24 Jun 2019 20:34

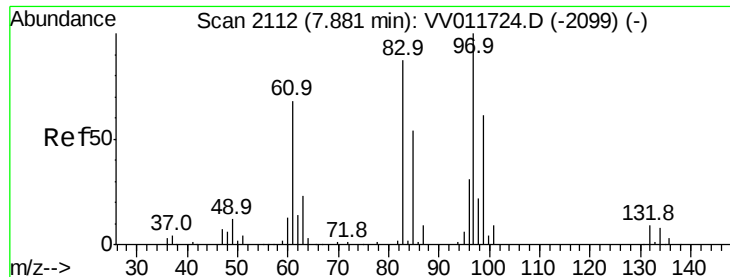
Tgt Ion: 75 Resp: 67457

Ion Ratio Lower Upper

75 100

77 30.4 22.7 42.1

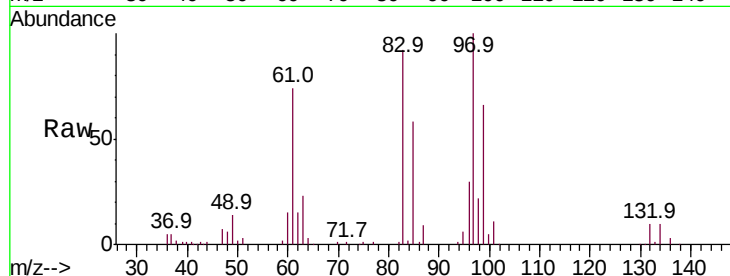




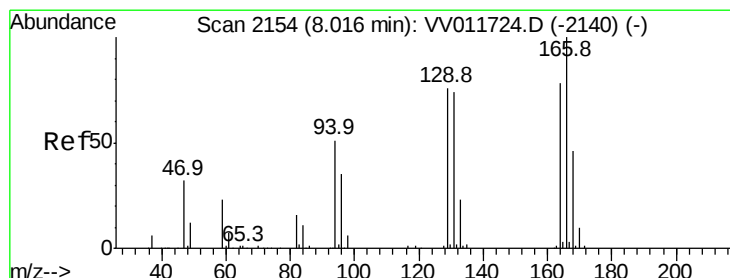
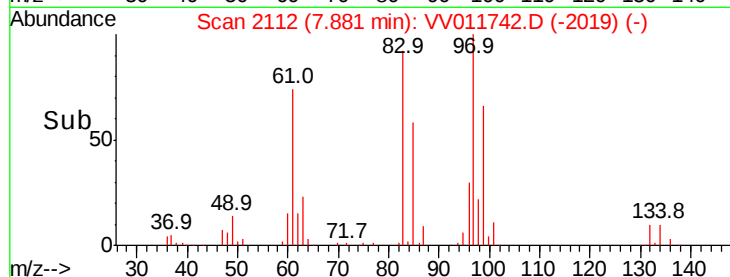
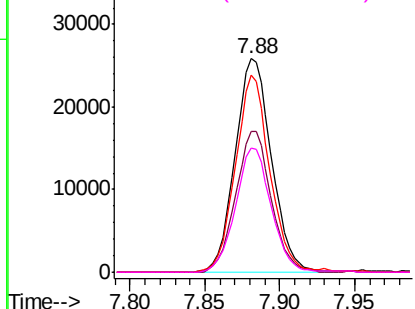
#45
 1,1,2-Trichloroethane
 Concen: 4.782 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VV011742.D
 Acq: 24 Jun 2019 20:34

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 97 Resp: 43712
 Ion Ratio Lower Upper
 97 100
 99 65.9 45.7 84.9
 83 92.1 65.0 120.6
 85 58.3 42.4 78.6

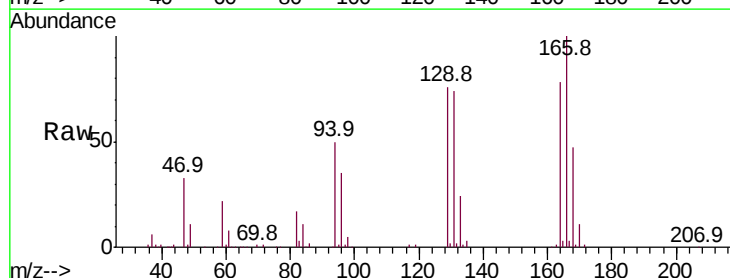


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

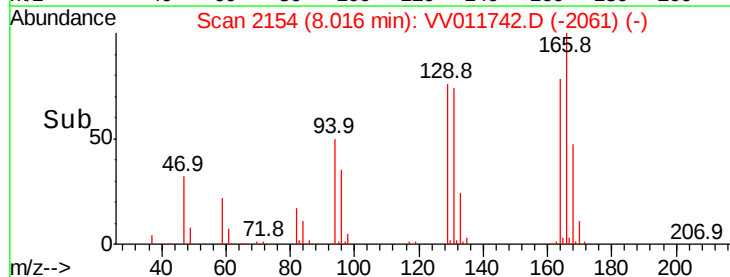
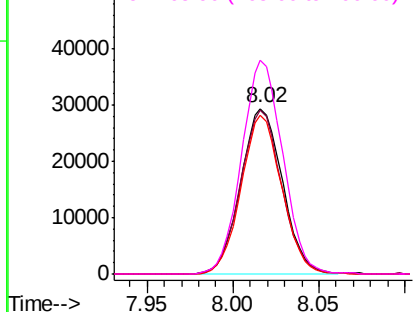


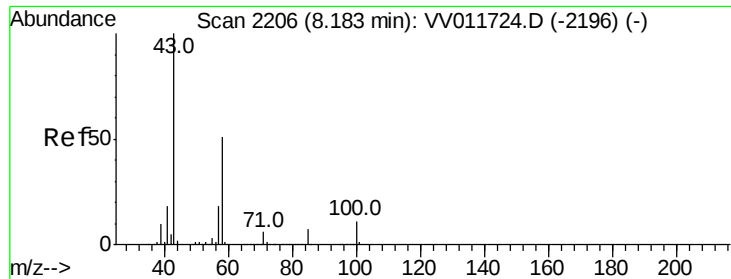
#47
 Tetrachloroethene
 Concen: 4.406 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV011742.D
 Acq: 24 Jun 2019 20:34

Tgt Ion: 164 Resp: 49358
 Ion Ratio Lower Upper
 164 100
 129 98.7 69.7 129.5
 131 95.5 64.6 120.0
 166 129.0 86.4 160.4



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

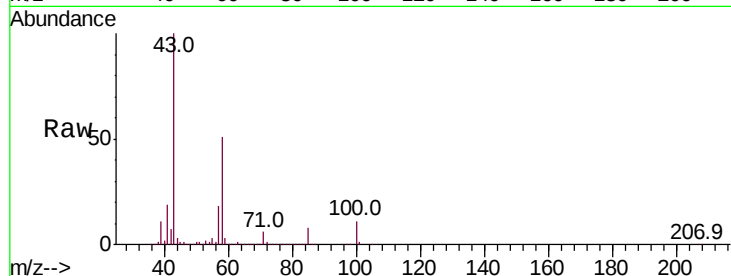




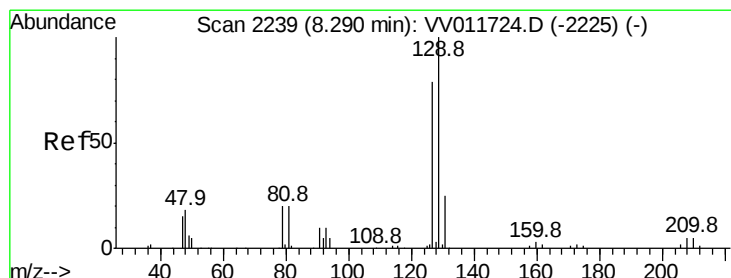
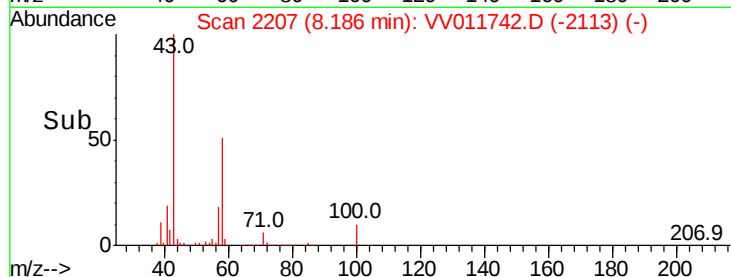
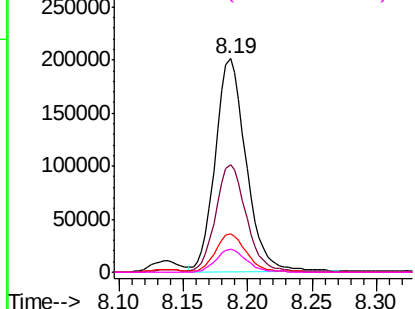
#48
2-Hexanone
Concen: 52.311 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV011742.D
Acq: 24 Jun 2019 20:34

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	43	Resp:	332257
Ion	Ratio	Lower	Upper
43	100		
58	50.3	40.1	60.1
57	18.5	14.4	21.6
100	10.8	8.6	12.8

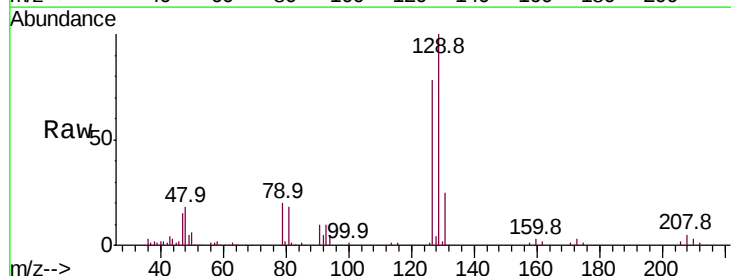


Abundance Ion 43.05 (42.75 to 43.75): VV011742.D (-2196) (-)
Ion 58.05 (57.75 to 58.75): VV011742.D (-2196) (-)
Ion 57.20 (56.90 to 57.90): VV011742.D (-2196) (-)
Ion 100.15 (99.85 to 100.85): VV011742.D (-2196) (-)

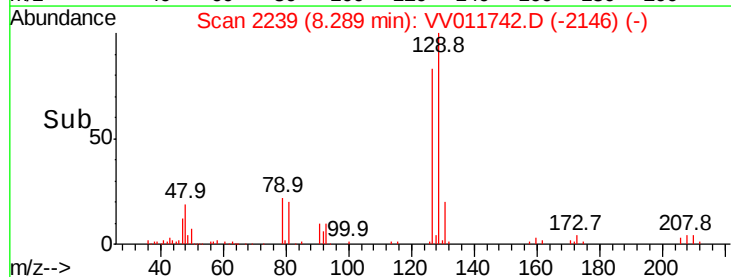
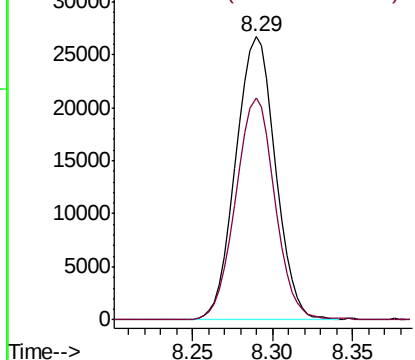


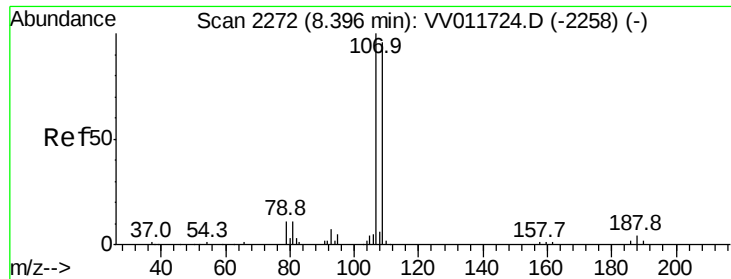
#49
Dibromochloromethane
Concen: 4.901 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV011742.D
Acq: 24 Jun 2019 20:34

Tgt Ion:	129	Resp:	45028
Ion	Ratio	Lower	Upper
129	100		
127	78.2	53.5	99.5



Abundance Ion 128.95 (128.65 to 129.65): VV011742.D (-2225) (-)
Ion 126.90 (126.60 to 127.60): VV011742.D (-2225) (-)

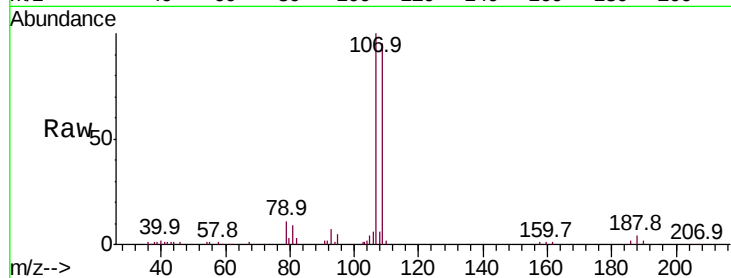




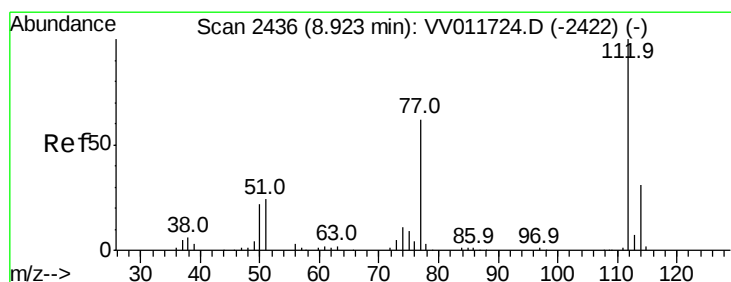
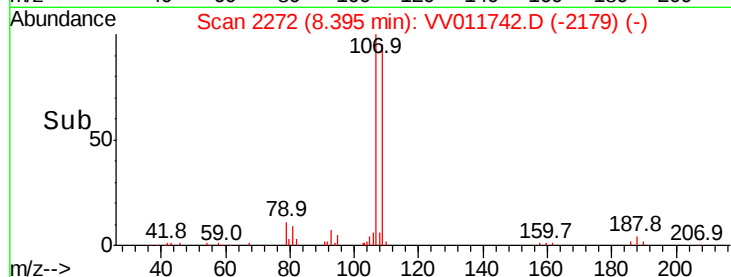
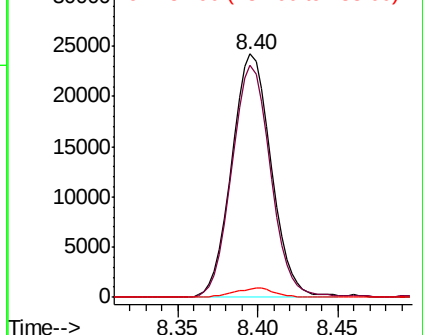
#50
 1,2-Dibromoethane
 Concen: 4.889 ug/L
 RT: 8.40 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VV011742.D
 Acq: 24 Jun 2019 20:34

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:107 Resp: 40804
 Ion Ratio Lower Upper
 107 100
 109 95.5 66.7 123.9
 188 3.6 2.6 3.8

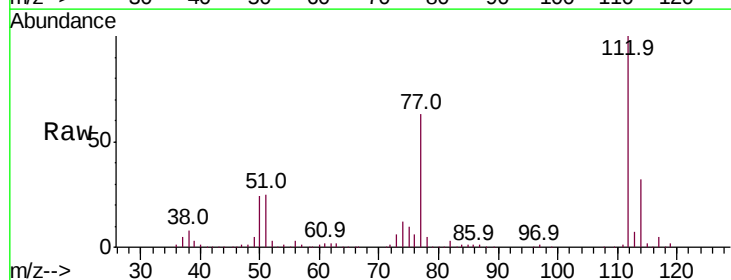


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

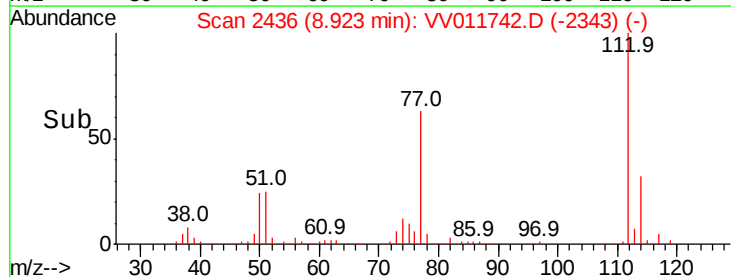
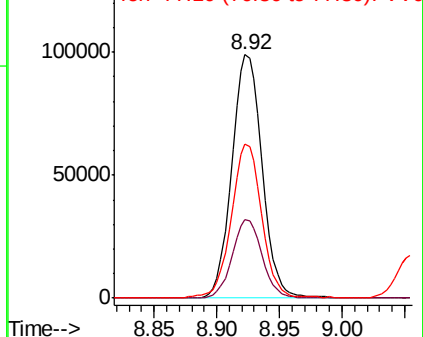


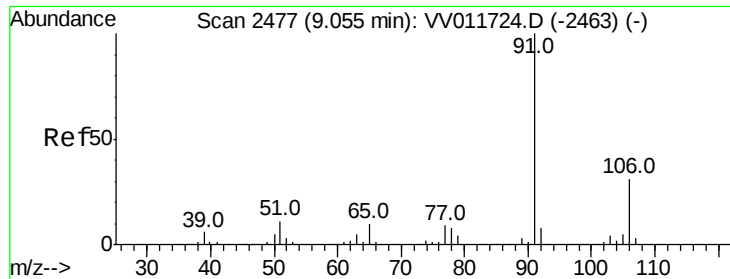
#51
 Chlorobenzene
 Concen: 4.518 ug/L
 RT: 8.92 min Scan# 2436
 Delta R.T. -0.00 min
 Lab File: VV011742.D
 Acq: 24 Jun 2019 20:34

Tgt Ion:112 Resp: 166016
 Ion Ratio Lower Upper
 112 100
 114 32.3 23.0 42.8
 77 63.5 50.0 75.0



Abundance Ion 112.10 (111.80 to 112.80): V
 Ion 114.05 (113.75 to 114.75): V
 Ion 77.10 (76.80 to 77.80): V

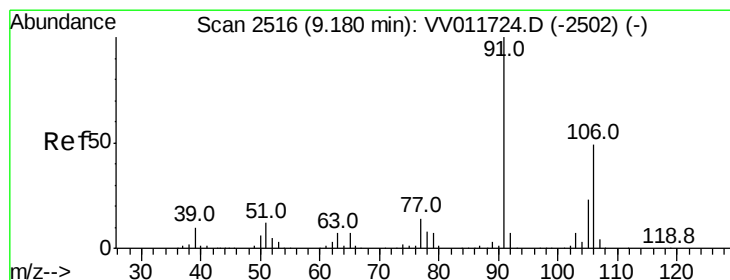
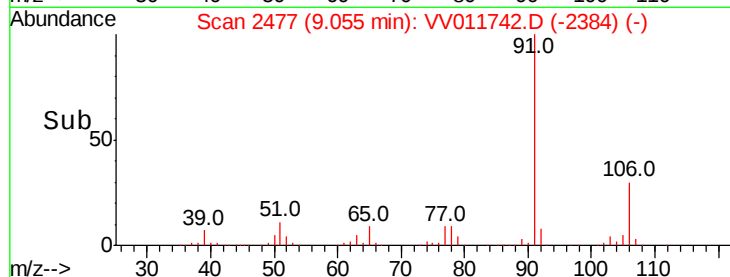
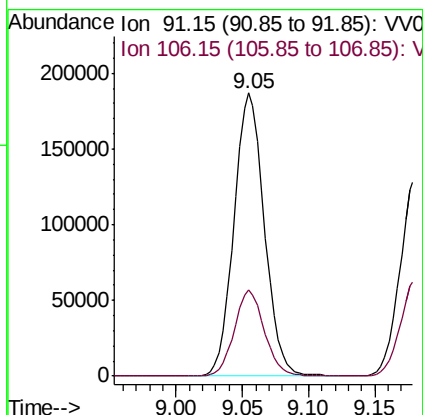
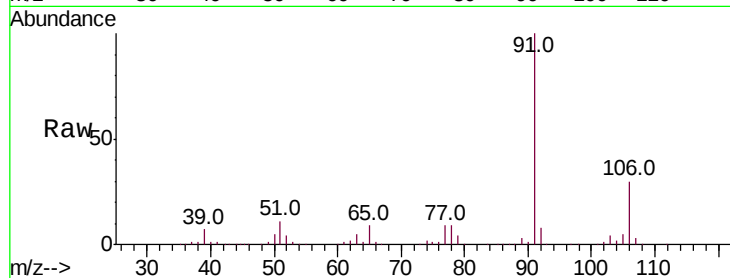




#52
Ethylbenzene
Concen: 4.547 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. -0.00 min
Lab File: VV011742.D
Acq: 24 Jun 2019 20:34

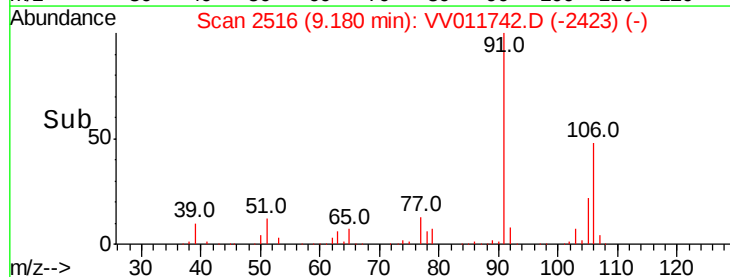
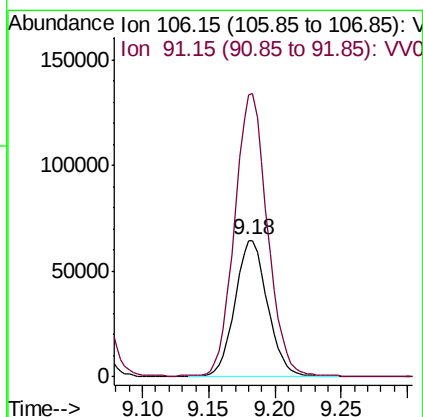
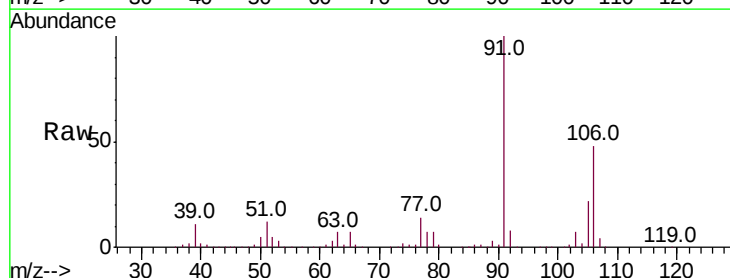
Instrument :
MSVOA_V
ClientSampleId :

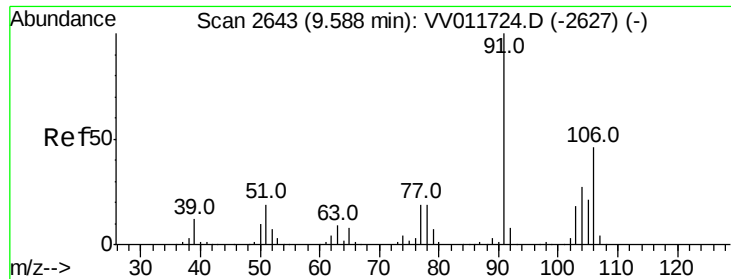
Tot Ion: 91 Resp: 297408
Ion Ratio Lower Upper
91 100
106 30.3 20.7 38.5



#53
m,p-xylene
Concen: 4.568 ug/L
RT: 9.18 min Scan# 2516
Delta R.T. -0.00 min
Lab File: VV011742.D
Acq: 24 Jun 2019 20:34

Tgt Ion: 106 Resp: 109740
Ion Ratio Lower Upper
106 100
91 206.6 144.9 269.1





#54

o-xylene

Concen: 4.624 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. -0.00 min

Lab File: VV011742.D

Acq: 24 Jun 2019 20:34

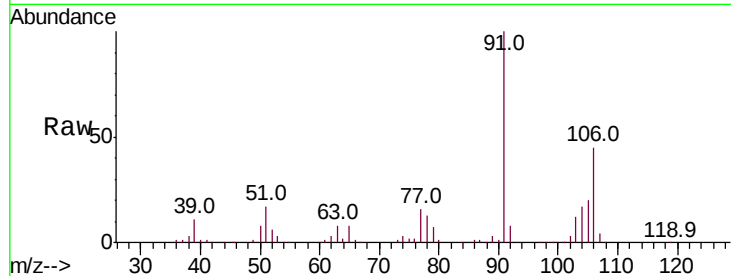
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 108594

Ion Ratio Lower Upper

106 100

91 220.4 155.2 288.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0

150000

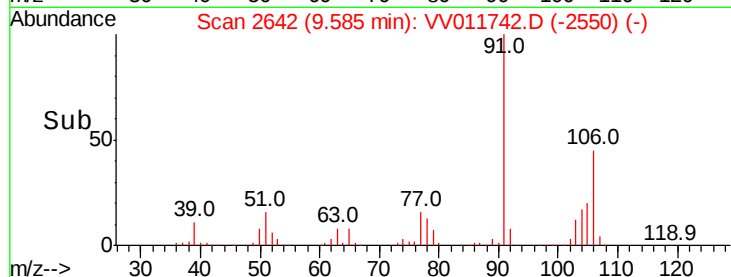
100000

50000

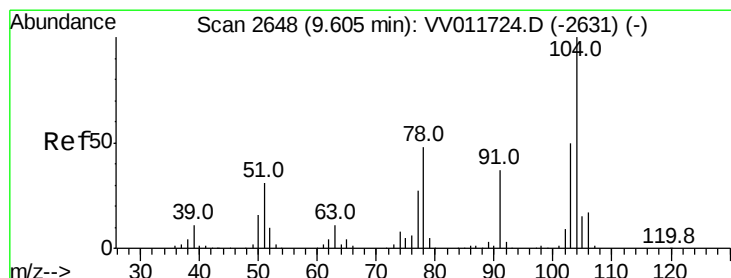
0

9.59

9.55 9.60 9.65



Time-->



#55

Styrene

Concen: 4.823 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. -0.00 min

Lab File: VV011742.D

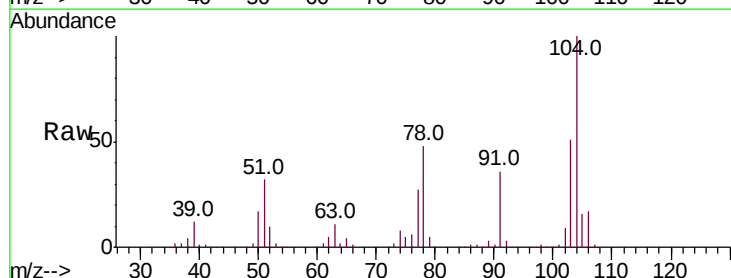
Acq: 24 Jun 2019 20:34

Tgt Ion:104 Resp: 180526

Ion Ratio Lower Upper

104 100

78 48.4 34.1 63.3



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0

120000

100000

80000

60000

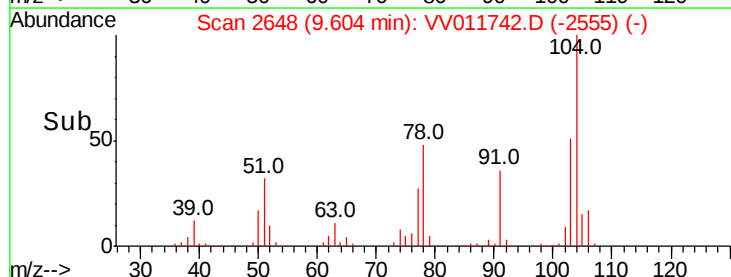
40000

20000

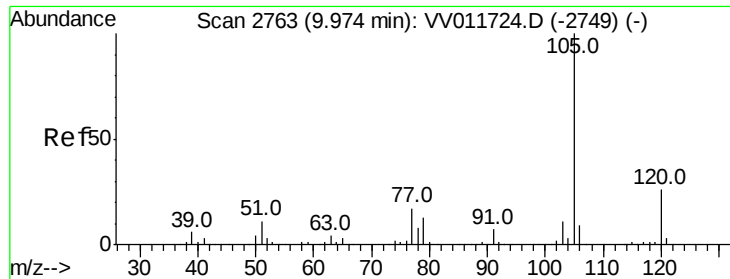
0

9.60

9.55 9.60 9.65



Time-->



#56

Isopropylbenzene

Concen: 4.583 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV011742.D

Acq: 24 Jun 2019 20:34

Instrument :
MSVOA_V
ClientSampleId :

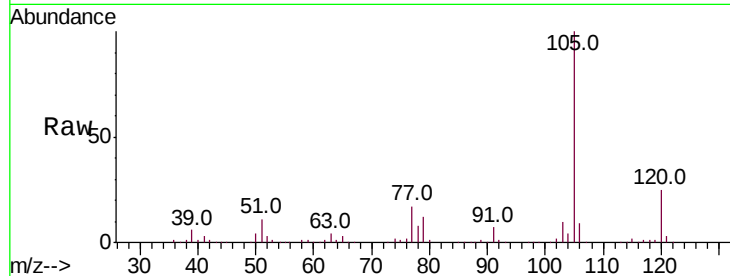
Tot Ion:105 Resp: 288394

Ion Ratio Lower Upper

105 100

120 25.7 20.6 30.8

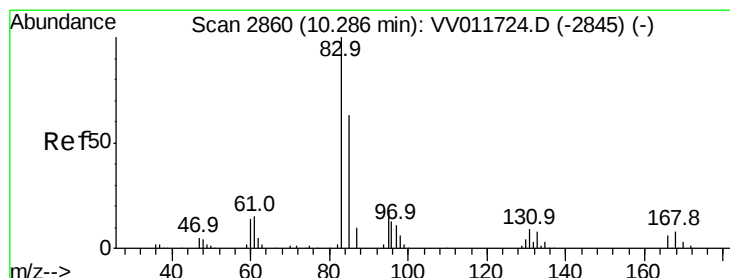
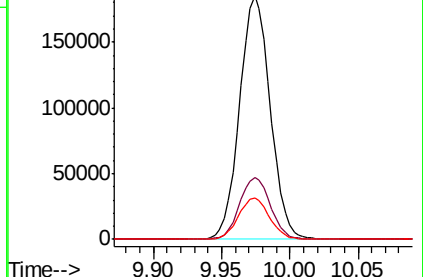
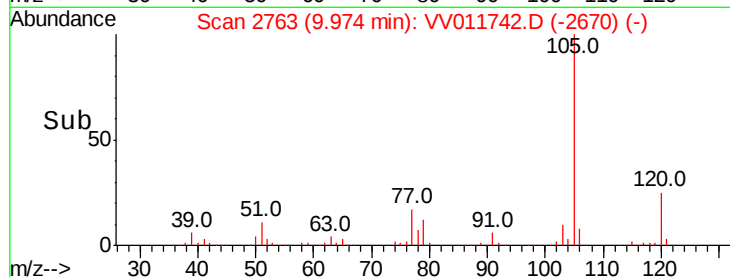
77 17.1 13.8 20.6



Abundance Ion 105.05 (104.75 to 105.75): VV011724.D (-2749) (-)

Ion 120.10 (119.80 to 120.80): VV011724.D (-2749) (-)

Ion 77.10 (76.80 to 77.80): VV011724.D (-2749) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 5.114 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VV011742.D

Acq: 24 Jun 2019 20:34

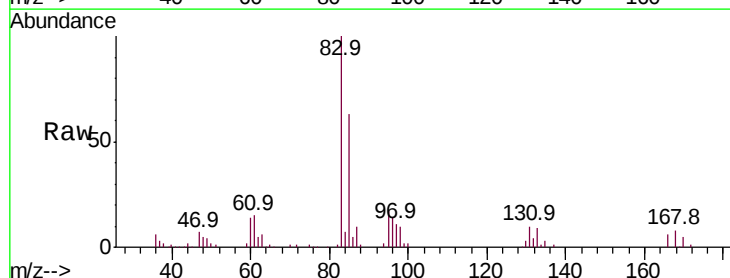
Tgt Ion: 83 Resp: 55580

Ion Ratio Lower Upper

83 100

85 63.2 45.9 85.3

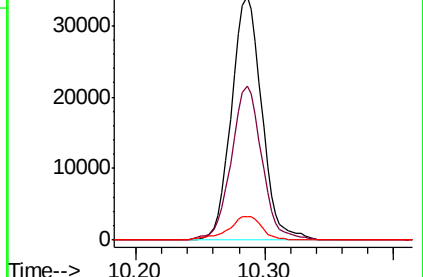
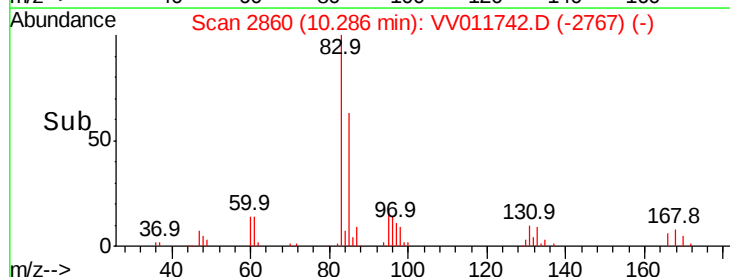
131 9.7 7.8 11.6

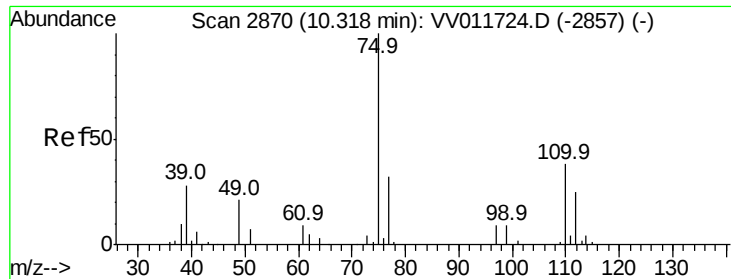


Abundance Ion 82.95 (82.65 to 83.65): VV011724.D (-2845) (-)

Ion 85.00 (84.70 to 85.70): VV011724.D (-2845) (-)

Ion 130.95 (130.65 to 131.65): VV011724.D (-2845) (-)

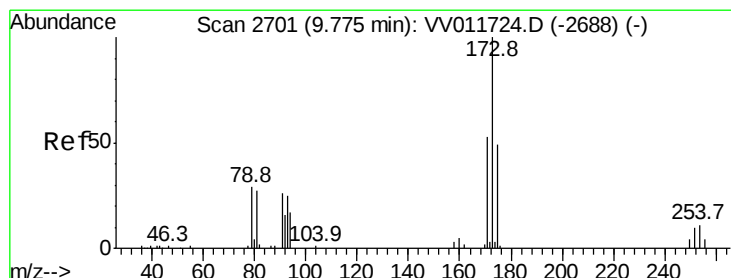
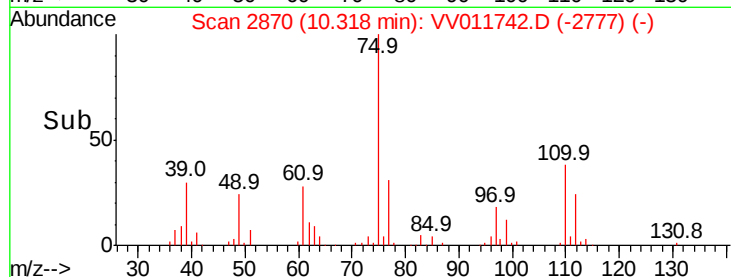
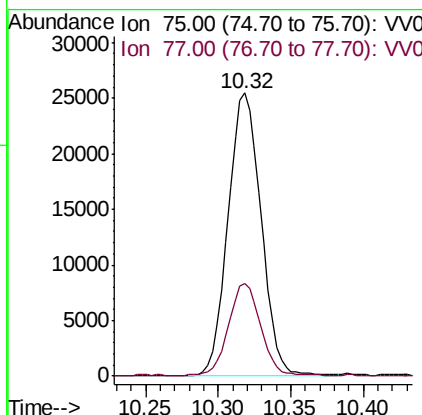
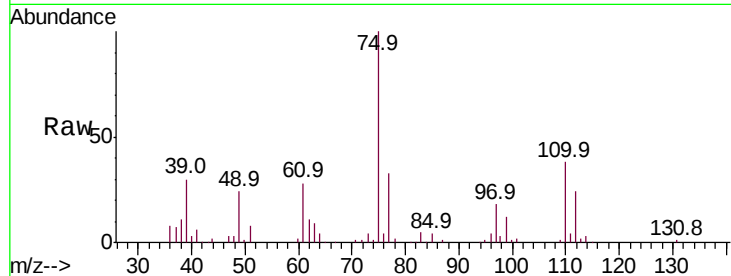




#59
 1,2,3-Trichloropropane
 Concen: 4.831 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VV011742.D
 Acq: 24 Jun 2019 20:34

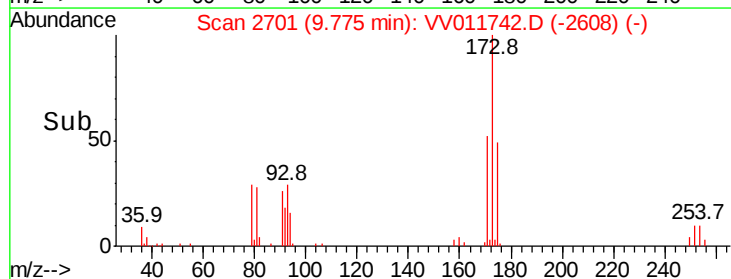
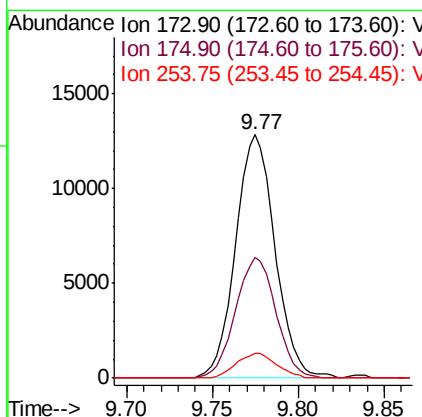
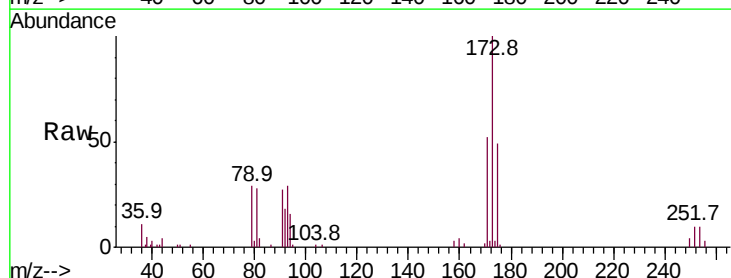
Instrument :
 MSVOA_V
 ClientSampleId :

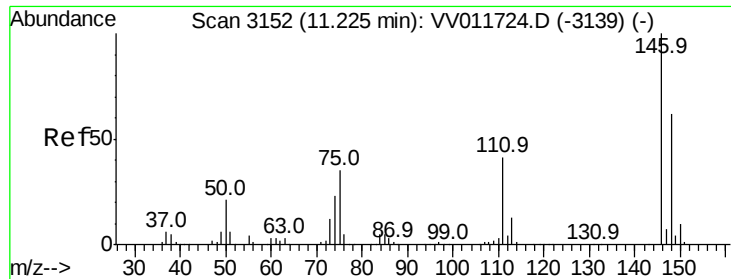
Tot Ion: 75 Resp: 40429
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.2 37.8



#61
 Bromoform
 Concen: 4.560 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. -0.00 min
 Lab File: VV011742.D
 Acq: 24 Jun 2019 20:34

Tgt Ion: 173 Resp: 20528
 Ion Ratio Lower Upper
 173 100
 175 50.8 38.3 57.5
 254 10.4 7.4 11.0





#62

1,3-Dichlorobenzene

Concen: 4.547 ug/L

RT: 11.22 min Scan# 3152

Delta R.T. -0.00 min

Lab File: VV011742.D

Acq: 24 Jun 2019 20:34

Instrument :

MSVOA_V

ClientSampleId :

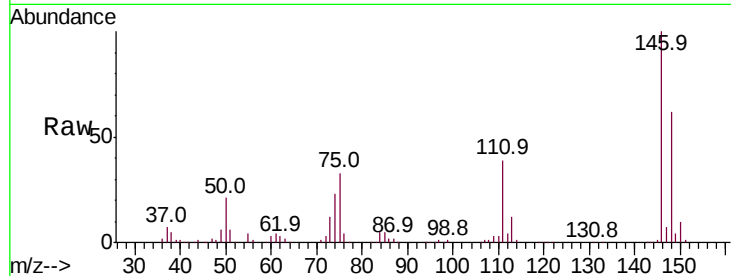
Tot Ion:146 Resp: 122942

Ion Ratio Lower Upper

146 100

111 39.3 28.4 52.8

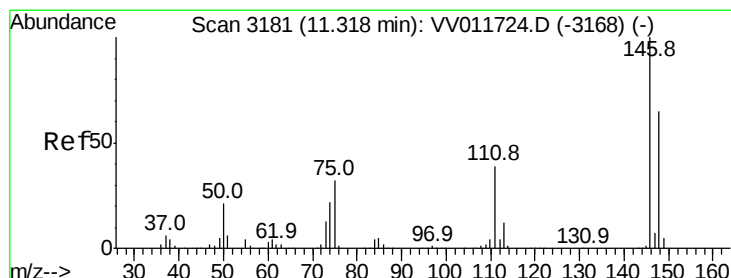
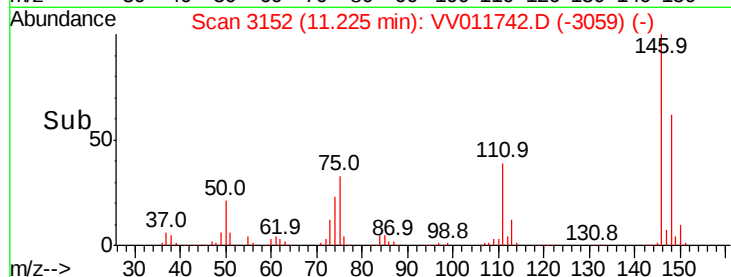
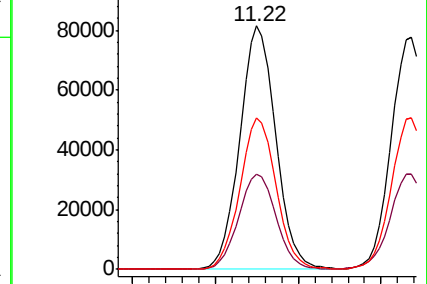
148 62.0 42.8 79.6



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: 4.344 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. -0.00 min

Lab File: VV011742.D

Acq: 24 Jun 2019 20:34

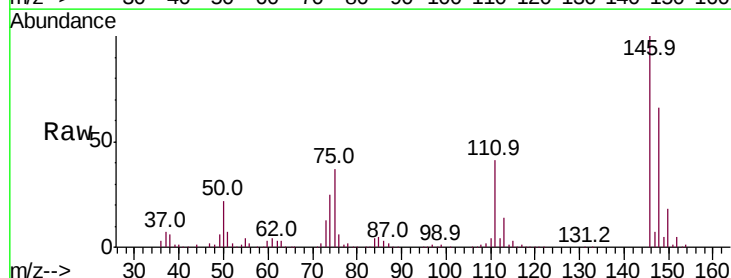
Tgt Ion:146 Resp: 121313

Ion Ratio Lower Upper

146 100

111 41.2 27.7 51.5

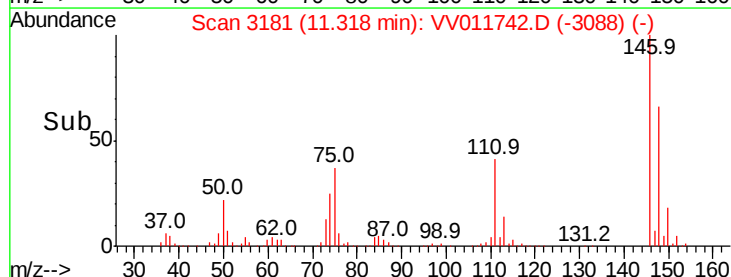
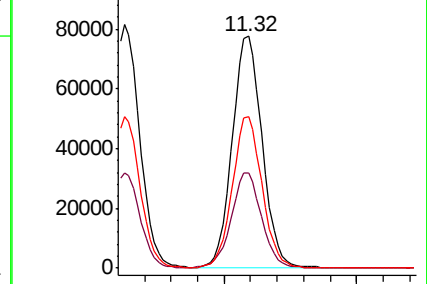
148 65.5 45.1 83.9

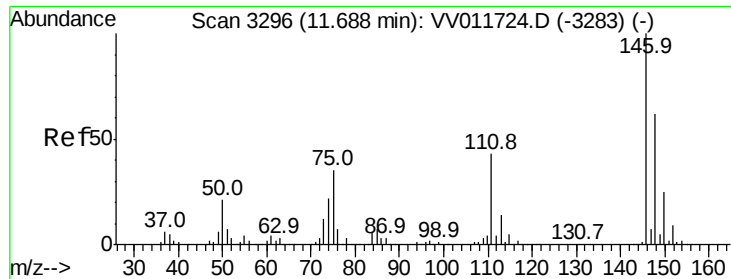


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.650 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. -0.00 min

Lab File: VV011742.D

Acq: 24 Jun 2019 20:34

Instrument :

MSVOA_V

ClientSampleId :

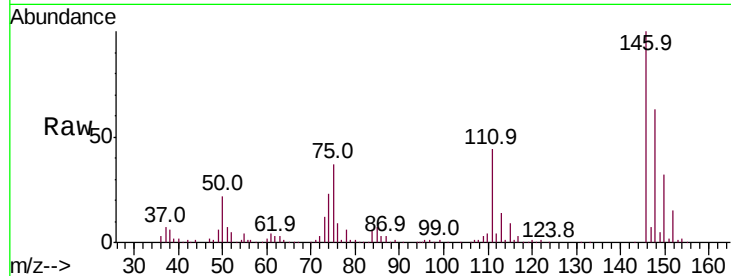
Tot Ion:146 Resp: 119739

Ion Ratio Lower Upper

146 100

111 43.7 34.5 51.7

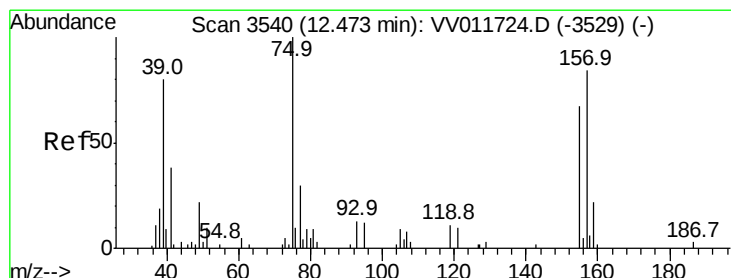
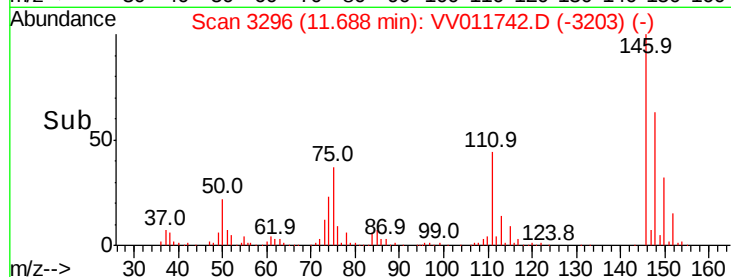
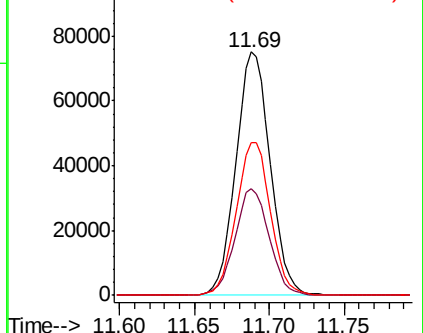
148 62.7 49.8 74.8



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: 5.171 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. 0.00 min

Lab File: VV011742.D

Acq: 24 Jun 2019 20:34

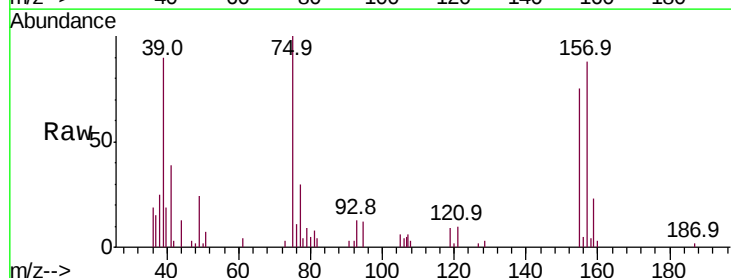
Tgt Ion: 75 Resp: 7626

Ion Ratio Lower Upper

75 100

155 75.5 59.4 89.0

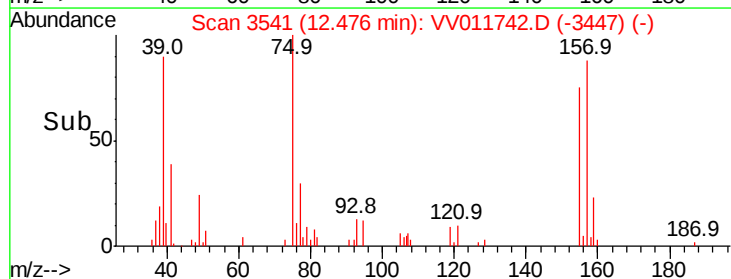
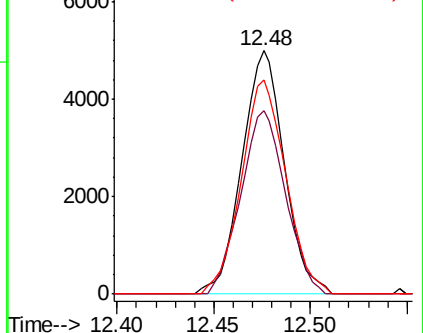
157 88.0 77.5 116.3

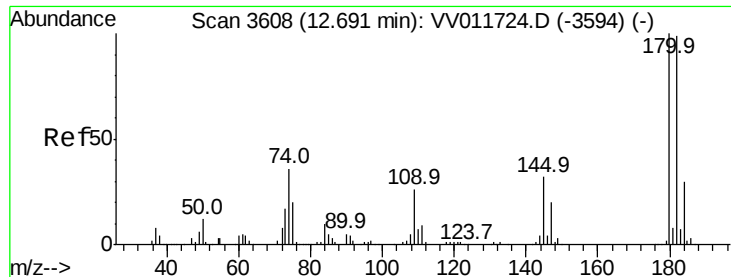


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

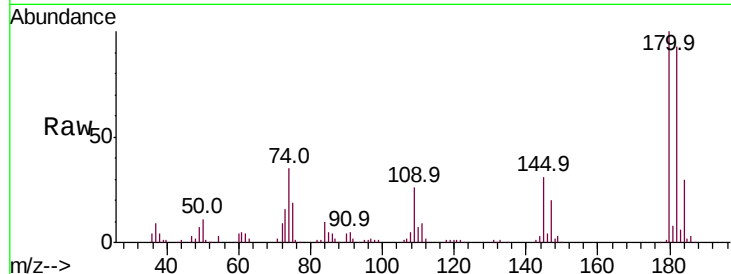




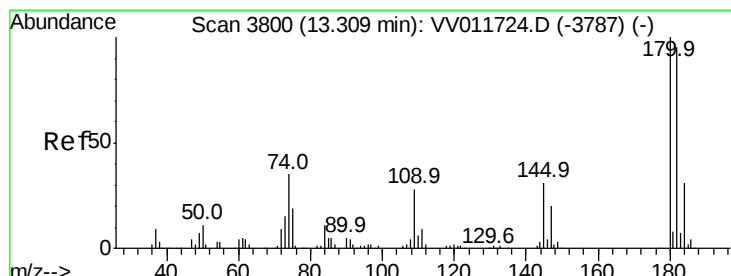
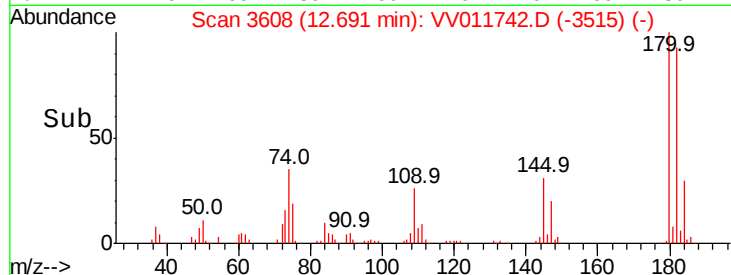
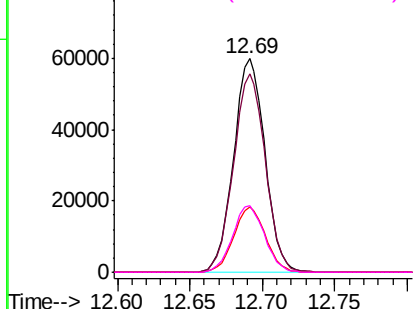
#67
 1,3,5-Trichlorobenzene
 Concen: 4.455 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. -0.00 min
 Lab File: VV011742.D
 Acq: 24 Jun 2019 20:34

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 89572
 Ion Ratio Lower Upper
 180 100
 182 94.5 77.3 115.9
 184 30.8 24.9 37.3
 145 31.7 25.2 37.8

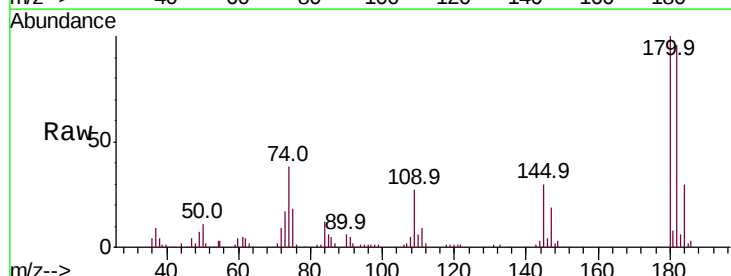


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

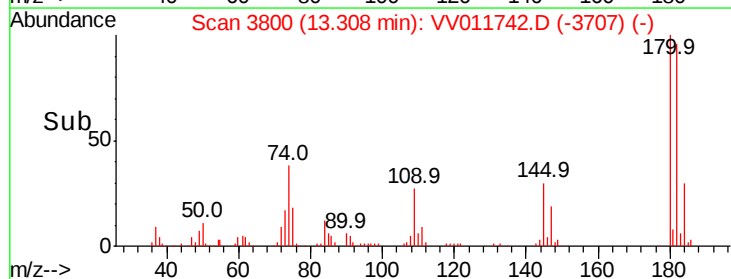
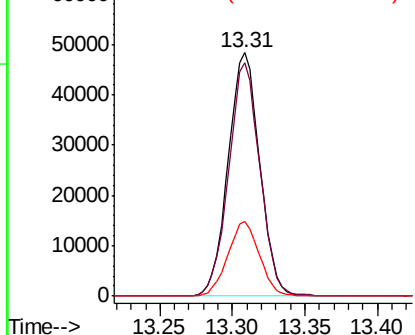


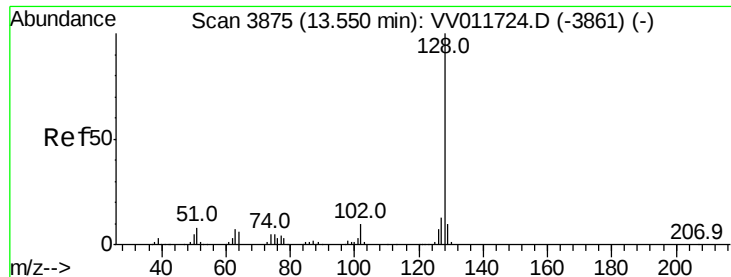
#68
 1,2,4-trichlorobenzene
 Concen: 4.691 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. -0.00 min
 Lab File: VV011742.D
 Acq: 24 Jun 2019 20:34

Tgt Ion:180 Resp: 73089
 Ion Ratio Lower Upper
 180 100
 182 94.6 76.6 114.8
 145 30.6 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: 5.321 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. -0.00 min

Lab File: VV011742.D

Acq: 24 Jun 2019 20:34

Instrument :

MSVOA_V

ClientSampleId :

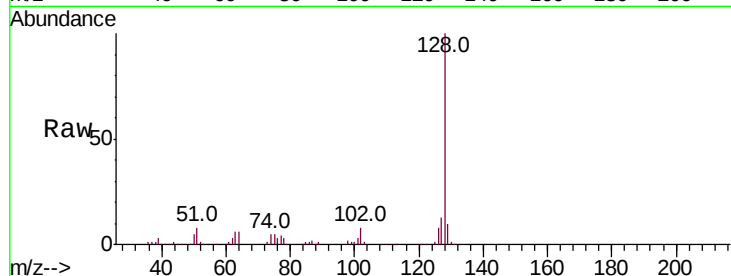
Tot Ion:128 Resp: 135544

Ion Ratio Lower Upper

128 100

129 10.5 8.7 13.1

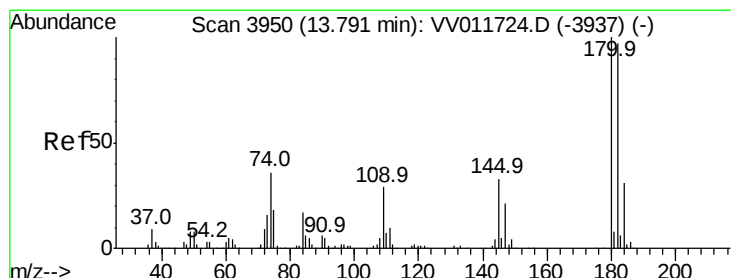
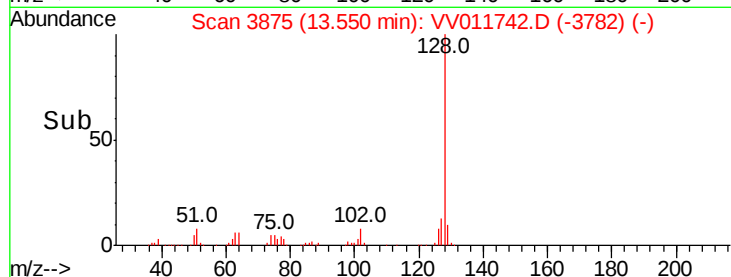
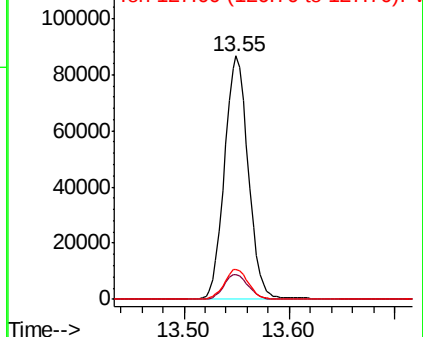
127 12.5 10.5 15.7



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: 4.931 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VV011742.D

Acq: 24 Jun 2019 20:34

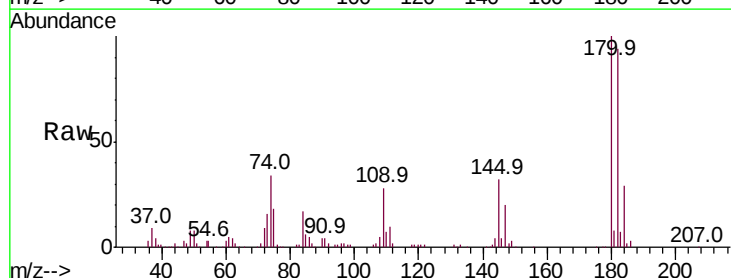
Tgt Ion:180 Resp: 71413

Ion Ratio Lower Upper

180 100

182 94.9 75.0 112.4

145 32.5 26.2 39.2



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

