

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100419\
 Data File : VV013048.D
 Acq On : 04 Oct 2019 15:47
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 04 18:22:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM092319S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 04 07:46:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	810738	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	779624	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	419380	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	251043	19.96	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.84%
7) Chloroethane-d5	1.58	69	214027	21.04	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.16%
10) 1,1-Dichloroethene-d2	2.13	63	460865	22.03	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.12%
20) 2-Butanone-d5	3.94	46	201521	46.40	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.80%
24) Chloroform-d	4.40	84	513303	23.05	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.20%
26) 1,2-Dichloroethane-d4	5.08	65	284234	21.95	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	87.80%
29) Benzene-d6	5.09	84	1011840	23.25	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.00%
33) 1,2-Dichloropropane-d6	6.11	67	320562	23.49	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.96%
37) Toluene-d8	7.35	98	939763	23.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.12%
38) trans-1,3-Dichloropropene-	7.66	79	133371	23.08	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.32%
39) 2-Hexanone-d5	8.13	63	141133	51.40	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.80%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	299867	23.14	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	92.56%
61) 1,2-Dichlorobenzene-d4	11.67	152	371870	22.82	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.28%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	244104	27.340	ug/L 98
3) Chloromethane	1.25	50	291935	25.037	ug/L 99
5) Vinyl chloride	1.32	62	297073	25.806	ug/L 100
6) Bromomethane	1.54	94	183283	25.505	ug/L 100
8) Chloroethane	1.60	64	173214	24.486	ug/L 100
9) Trichlorofluoromethane	1.77	101	405888	26.069	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	250320	25.154	ug/L 99
12) 1,1-Dichloroethene	2.14	96	234492	25.586	ug/L 97
13) Acetone	2.20	43	204717	44.345	ug/L 99
14) Carbon disulfide	2.32	76	702890	24.010	ug/L 100
15) Methyl Acetate	2.46	43	154279	21.547	ug/L 99
16) Methylene chloride	2.53	84	296735	24.487	ug/L 98
17) Methyl tert-butyl Ether	2.80	73	663039	24.657	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	269416	24.835	ug/L 99
19) 1,1-Dichloroethane	3.23	63	499761	25.245	ug/L 100
21) 2-Butanone	4.02	43	220127	40.973	ug/L 98
22) cis-1,2-Dichloroethene	3.96	96	299175	25.199	ug/L 98

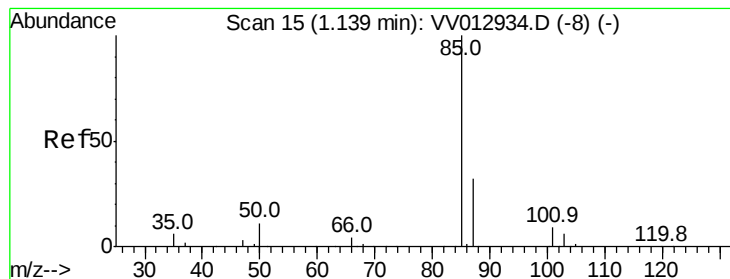
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100419\
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 QLast Update : Fri Oct 04 07:46:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	140504	23.959	ug/L	99
25) Chloroform	4.42	83	504864	24.323	ug/L	99
27) 1,2-Dichloroethane	5.17	62	349554	23.827	ug/L	100
30) Cyclohexane	4.72	56	448919	26.840	ug/L	100
31) 1,1,1-Trichloroethane	4.65	97	407471	26.408	ug/L	99
32) Carbon tetrachloride	4.87	117	366173	26.172	ug/L	100
34) Benzene	5.14	78	1135768	26.172	ug/L	100
35) Trichloroethene	5.96	95	306707	25.371	ug/L	99
36) Methylcyclohexane	6.17	83	485401	26.155	ug/L	100
40) 1,2-Dichloropropane	6.22	63	289537	25.656	ug/L	100
41) Bromodichloromethane	6.55	83	366192	25.333	ug/L	100
42) cis-1,3-Dichloropropene	7.07	75	438011	26.414	ug/L	99
43) 4-Methyl-2-pentanone	7.27	43	440059	47.461	ug/L	100
44) Toluene	7.43	91	1227595	26.821	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	356924	25.574	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	230750	24.084	ug/L	98
47) Tetrachloroethene	8.01	164	250649	25.510	ug/L	99
49) 2-Hexanone	8.18	43	328921	47.062	ug/L	98
50) Dibromochloromethane	8.29	129	271656	24.670	ug/L	100
51) 1,2-Dibromoethane	8.39	107	229787	24.475	ug/L	100
52) Chlorobenzene	8.92	112	793024	25.107	ug/L	99
53) Ethylbenzene	9.05	91	1339918	26.588	ug/L	99
54) m,p-Xylene	9.18	106	517416	27.007	ug/L	100
55) o-xylene	9.58	106	502345	27.519	ug/L	99
56) Styrene	9.60	104	875907	27.271	ug/L	98
57) Isopropylbenzene	9.97	105	1329270	27.708	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	281918	23.788	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	227698	23.278	ug/L	100
62) Bromoform	9.77	173	172096	24.182	ug/L	100
63) 1,3-Dichlorobenzene	11.22	146	655008	25.374	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	665606	24.567	ug/L	100
65) 1,2-Dichlorobenzene	11.68	146	613872	24.931	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.47	75	46546	21.322	ug/L	95
67) 1,3,5-Trichlorobenzene	12.69	180	512128	25.362	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	436796	24.737	ug/L	100
69) Naphthalene	13.55	128	866521	24.398	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	423164	24.925	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 27.340 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV013048.D

Acq: 04 Oct 2019 15:47

Instrument :

MSVOA_V

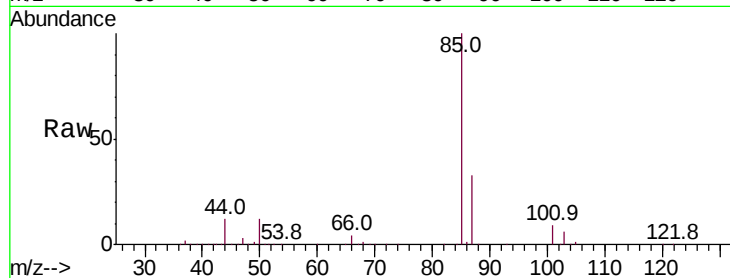
ClientSampled :

Tot Ion: 85 Resp: 244104

Ion Ratio Lower Upper

85 100

87 32.2 23.2 43.0



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

250000

200000

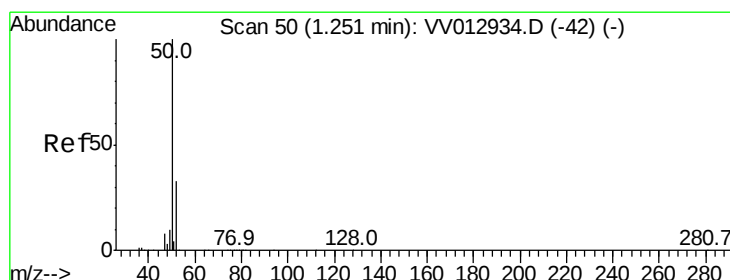
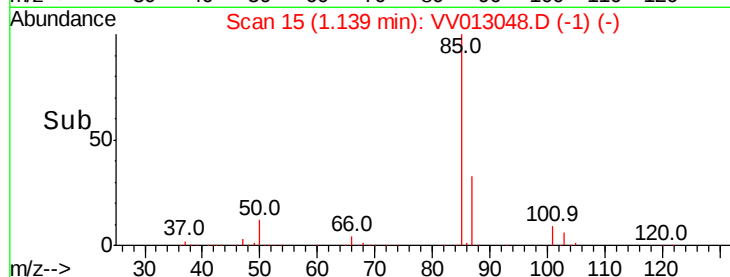
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 25.037 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV013048.D

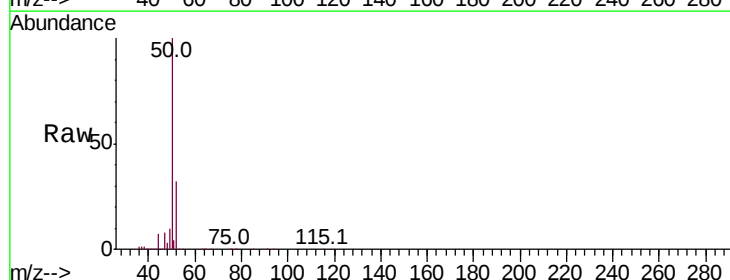
Acq: 04 Oct 2019 15:47

Tgt Ion: 50 Resp: 291935

Ion Ratio Lower Upper

50 100

52 32.1 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0

300000

250000

200000

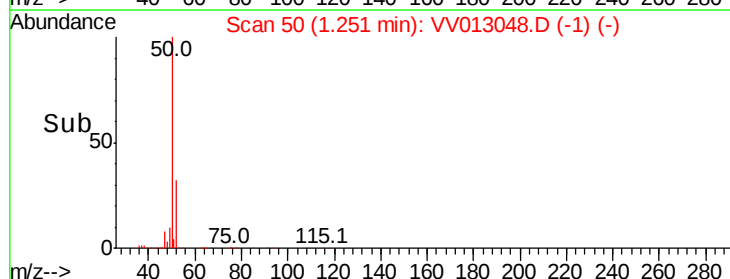
150000

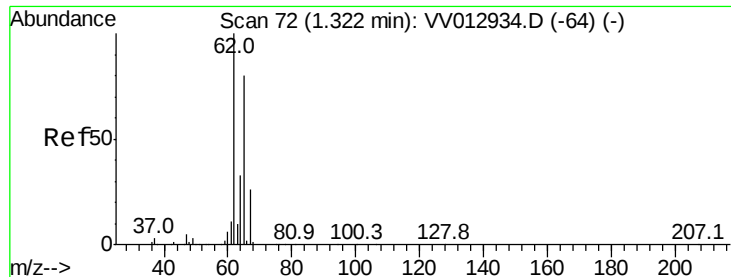
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 25.806 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV013048.D

Acq: 04 Oct 2019 15:47

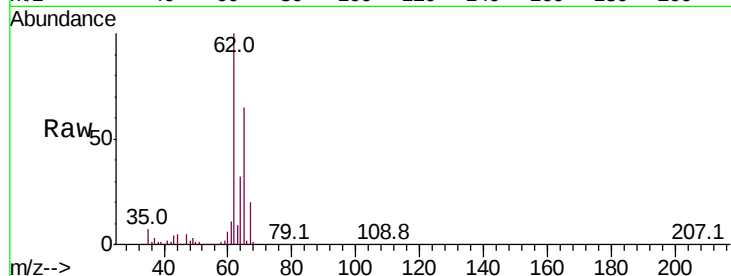
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 297073

Ion Ratio Lower Upper

62 100

64 32.4 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

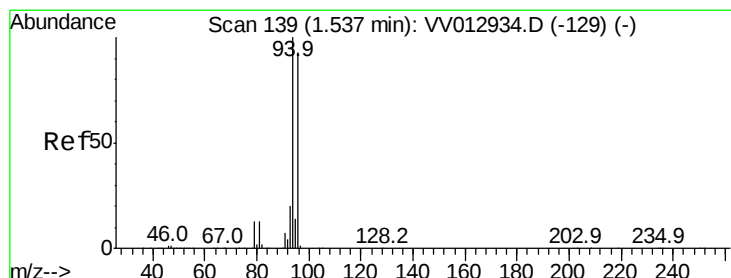
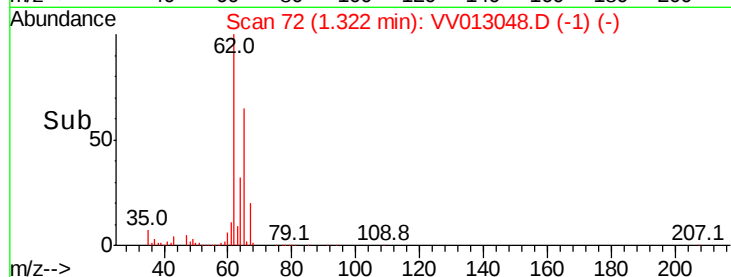
300000

200000

100000

0

Time--> 1.25 1.30 1.35 1.40



#6

Bromomethane

Concen: 25.505 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV013048.D

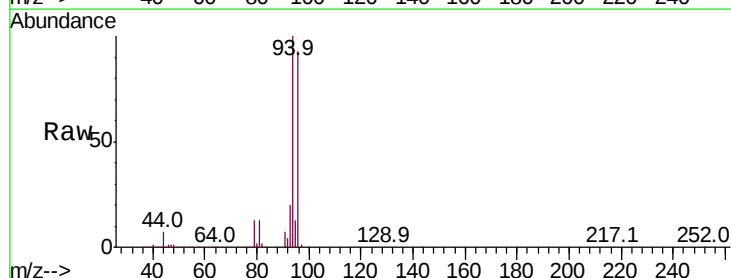
Acq: 04 Oct 2019 15:47

Tgt Ion: 94 Resp: 183283

Ion Ratio Lower Upper

94 100

96 93.6 9.4 177.8



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.54

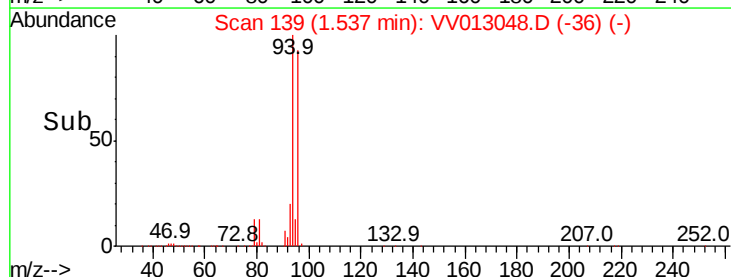
150000

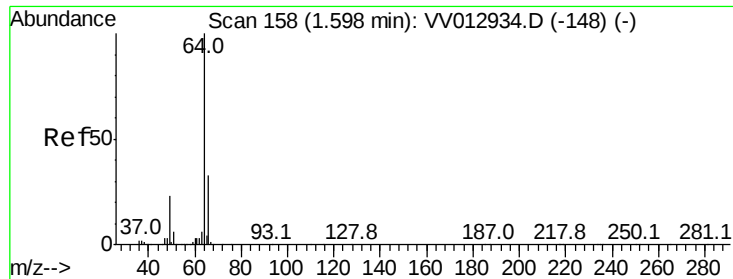
100000

50000

0

Time--> 1.50 1.55 1.60 1.65

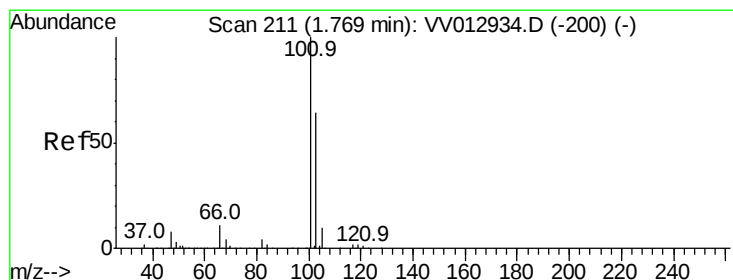
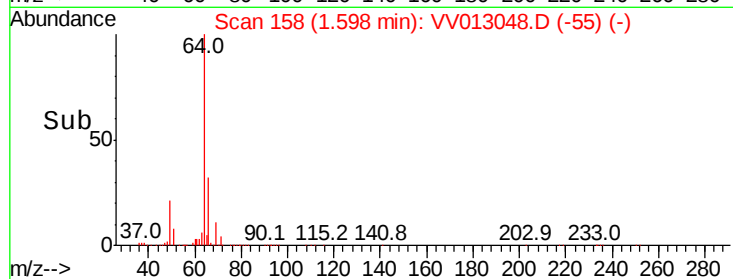
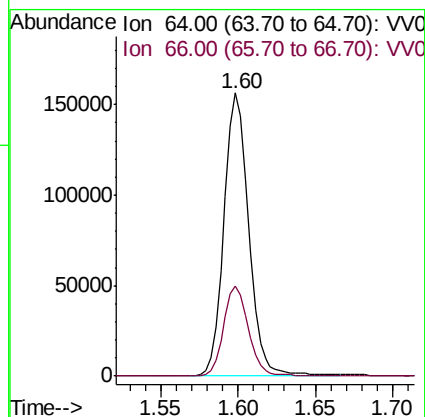
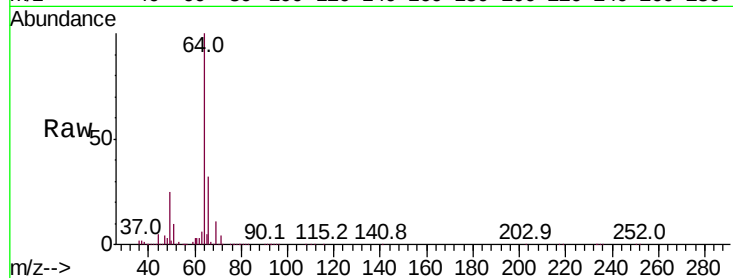




#8
Chloroethane
Concen: 24.486 ug/L
RT: 1.60 min Scan# 158
Delta R.T. -0.00 min
Lab File: VV013048.D
Acq: 04 Oct 2019 15:47

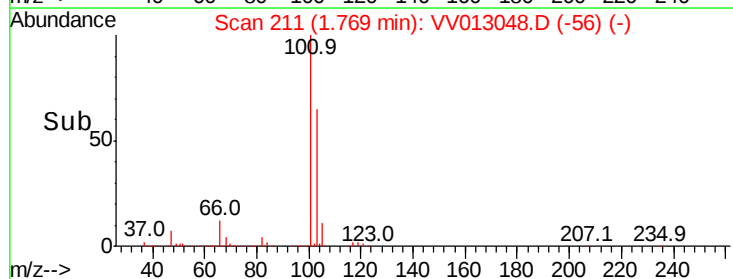
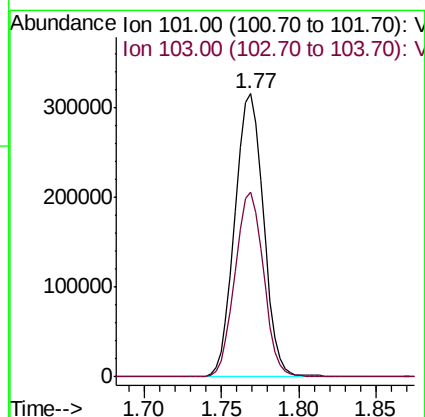
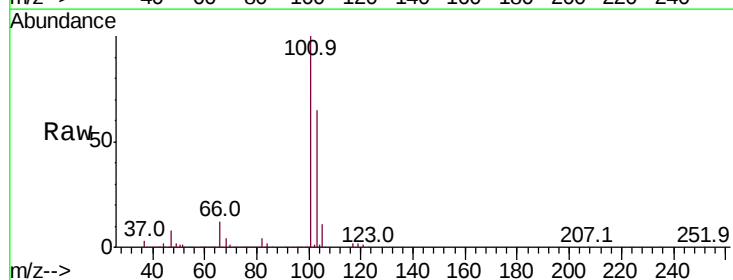
Instrument :
MSVOA_V
ClientSampleId :

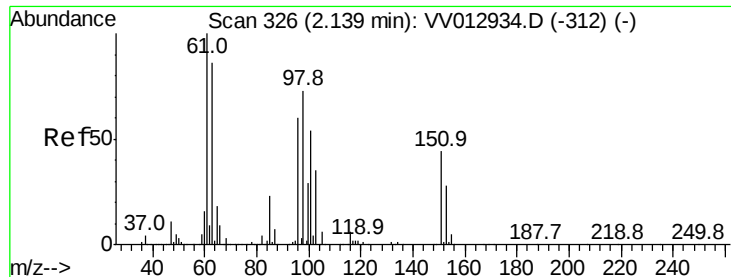
Tot Ion: 64 Resp: 173214
Ion Ratio Lower Upper
64 100
66 31.9 22.2 41.2



#9
Trichlorofluoromethane
Concen: 26.069 ug/L
RT: 1.77 min Scan# 211
Delta R.T. -0.00 min
Lab File: VV013048.D
Acq: 04 Oct 2019 15:47

Tgt Ion:101 Resp: 405888
Ion Ratio Lower Upper
101 100
103 64.7 45.1 83.9





#11

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

Concen: 25.154 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV013048.D

Acq: 04 Oct 2019 15:47

Instrument :

MSVOA_V

ClientSampleId :

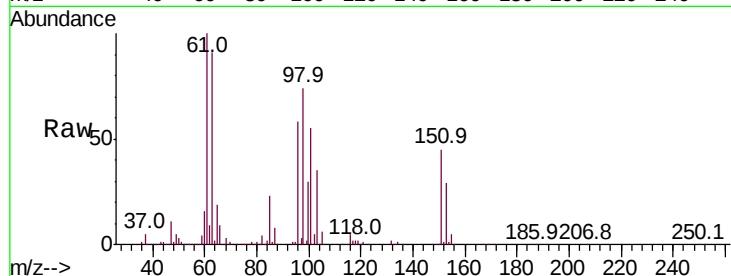
Tot Ion:101 Resp: 250320

Ion Ratio Lower Upper

101 100

85 41.3 32.6 49.0

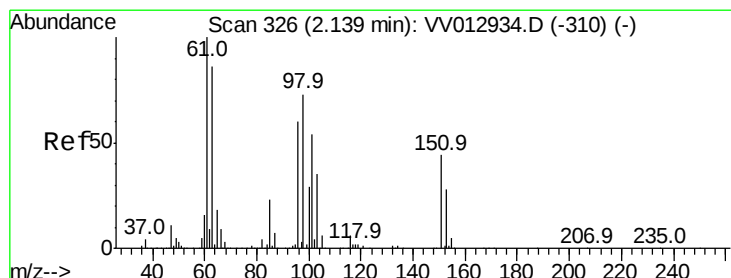
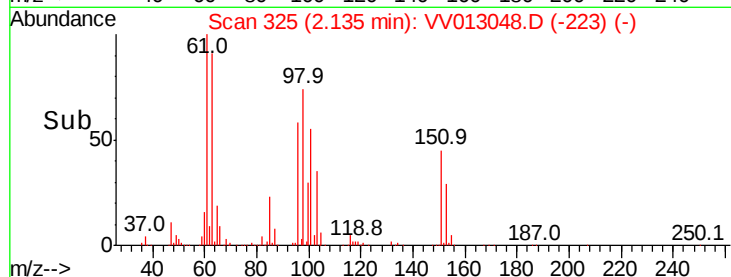
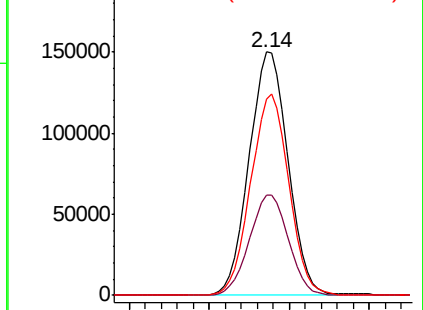
151 81.5 64.2 96.4



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: 25.586 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV013048.D

Acq: 04 Oct 2019 15:47

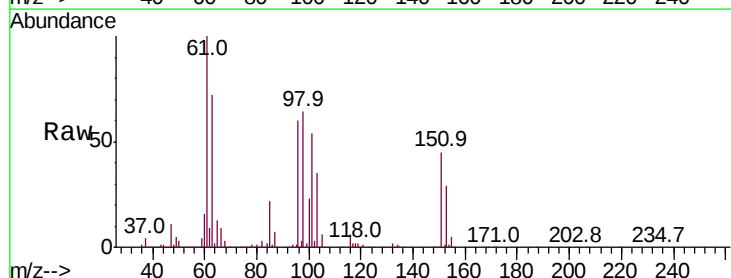
Tgt Ion: 96 Resp: 234492

Ion Ratio Lower Upper

96 100

61 166.8 117.2 217.8

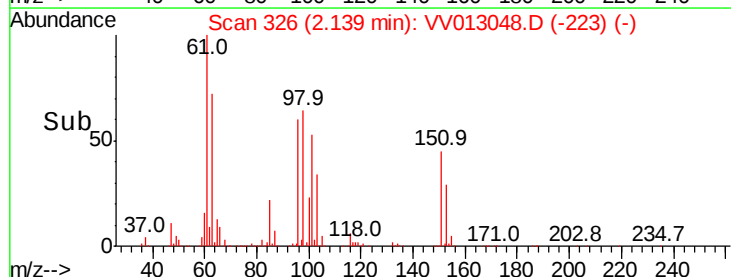
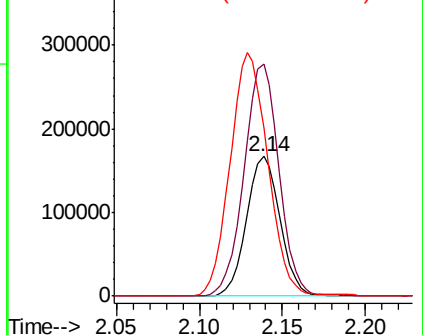
63 120.4 89.6 166.4

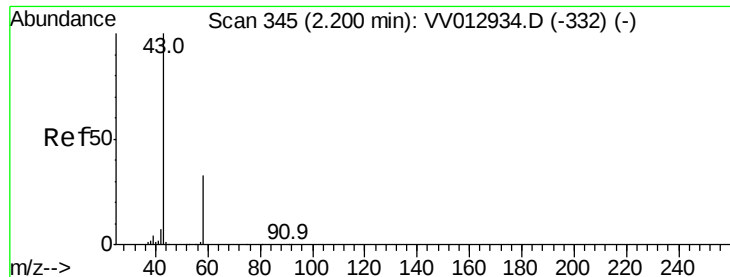


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 44.345 ug/L

RT: 2.20 min Scan# 346

Delta R.T. 0.00 min

Lab File: VV013048.D

Acq: 04 Oct 2019 15:47

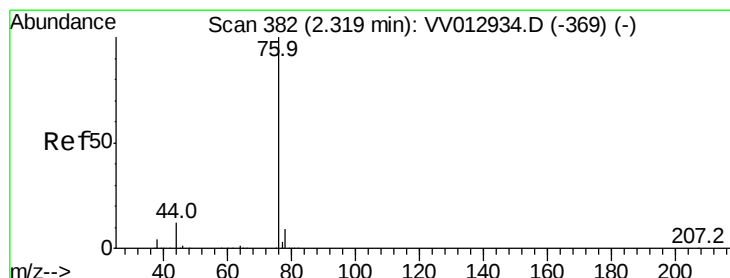
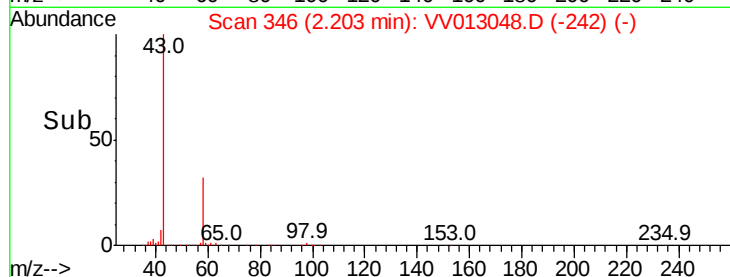
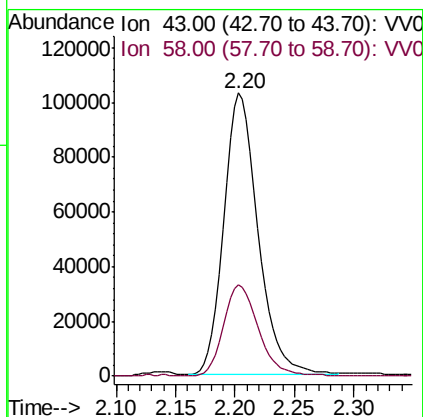
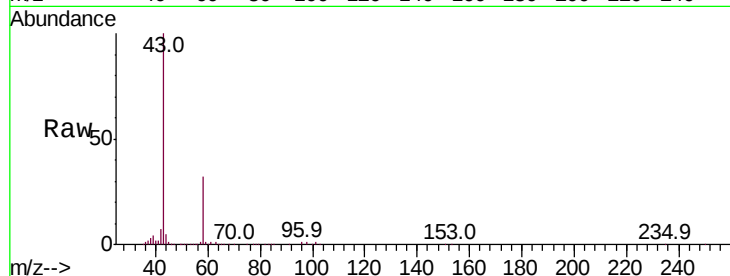
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 204717

Ion Ratio Lower Upper

43 100

58 33.2 0.0 65.0



#14

Carbon disulfide

Concen: 24.010 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV013048.D

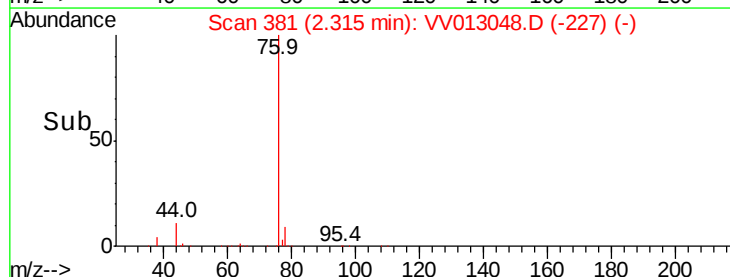
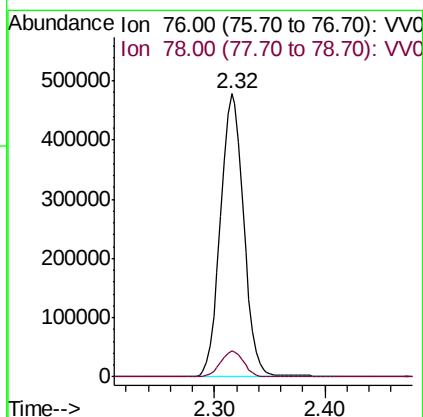
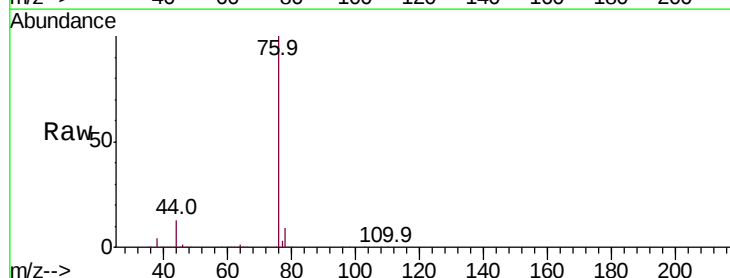
Acq: 04 Oct 2019 15:47

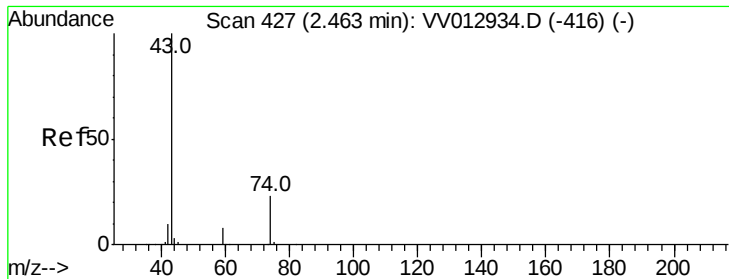
Tgt Ion: 76 Resp: 702890

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9





#15

Methvl Acetate

Concen: 21.547 ug/L

RT: 2.46 min Scan# 427

Delta R.T. -0.00 min

Lab File: VV013048.D

Acq: 04 Oct 2019 15:47

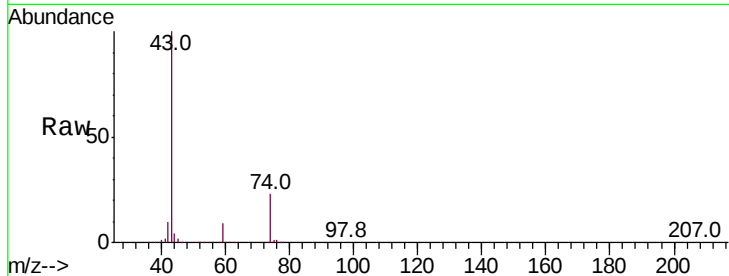
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 154279

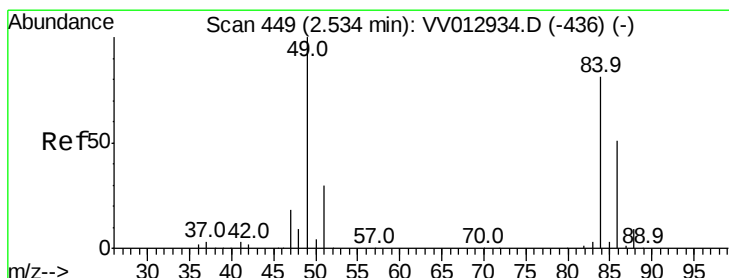
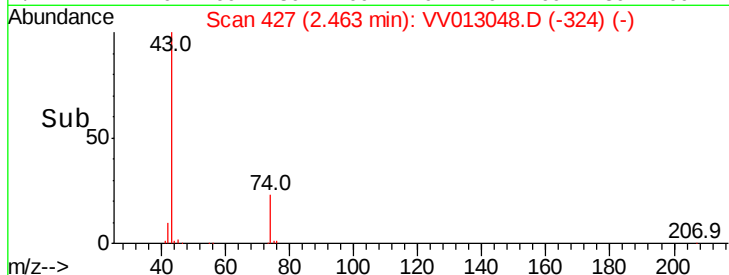
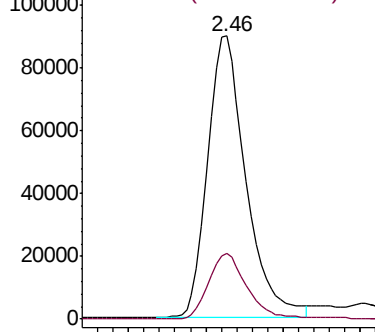
Ion Ratio Lower Upper

43 100

74 24.1 18.8 28.2



Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 24.487 ug/L

RT: 2.53 min Scan# 449

Delta R.T. -0.00 min

Lab File: VV013048.D

Acq: 04 Oct 2019 15:47

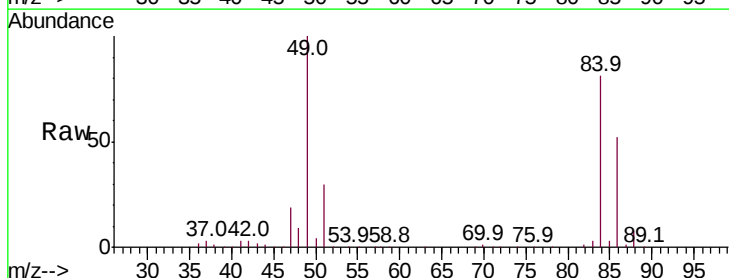
Tgt Ion: 84 Resp: 296735

Ion Ratio Lower Upper

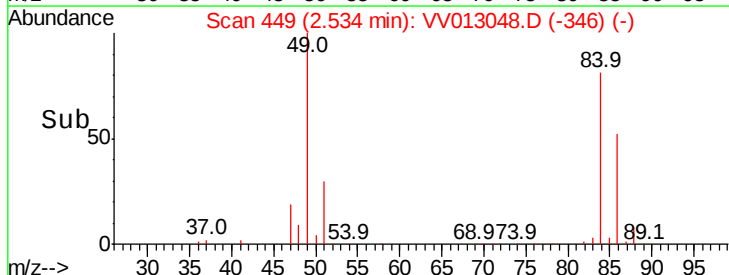
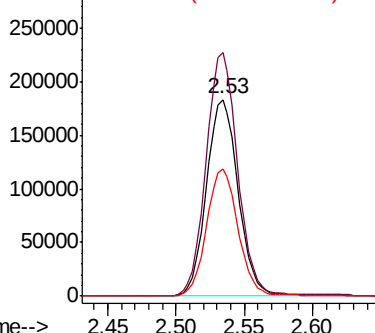
84 100

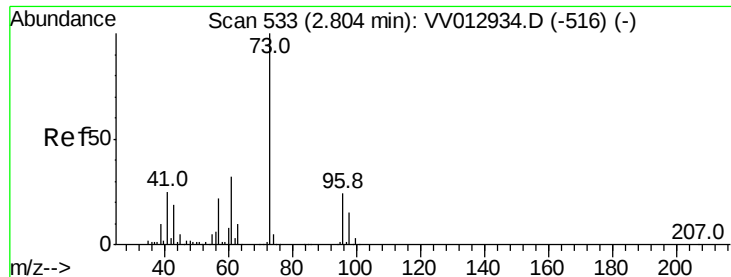
49 124.0 88.3 164.1

86 64.6 44.9 83.3



Abundance Ion 84.00 (83.70 to 84.70): VV0
Ion 49.00 (48.70 to 49.70): VV0
Ion 86.00 (85.70 to 86.70): VV0

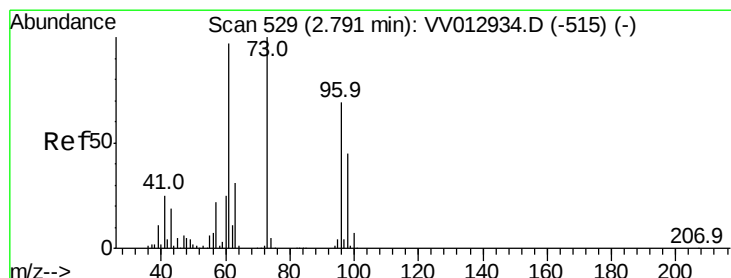
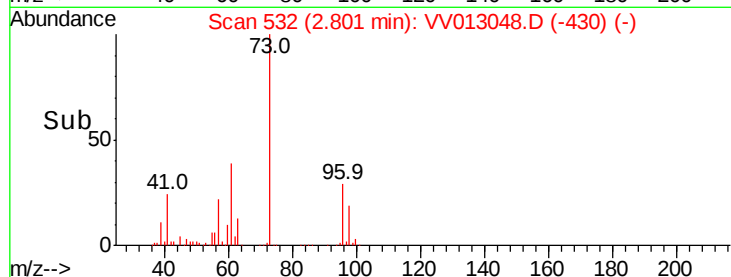
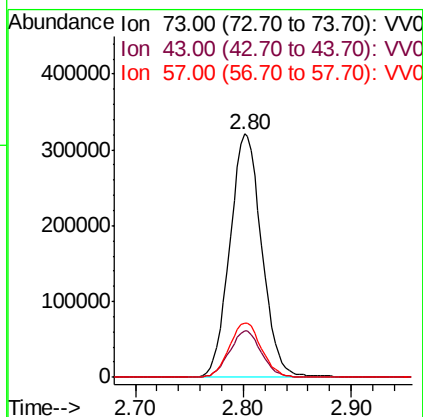
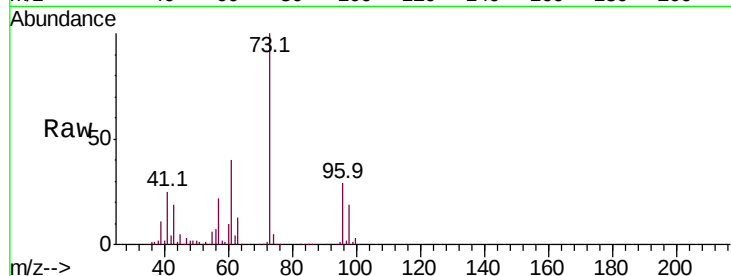




#17
Methvl tert-butvl Ether
Concen: 24.657 ug/L
RT: 2.80 min Scan# 532
Delta R.T. -0.00 min
Lab File: VV013048.D
Acq: 04 Oct 2019 15:47

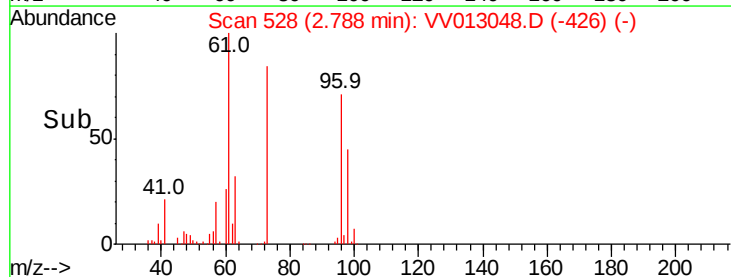
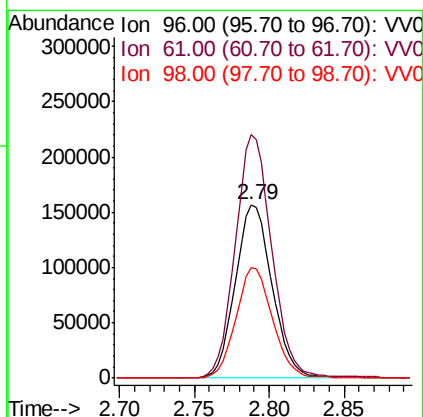
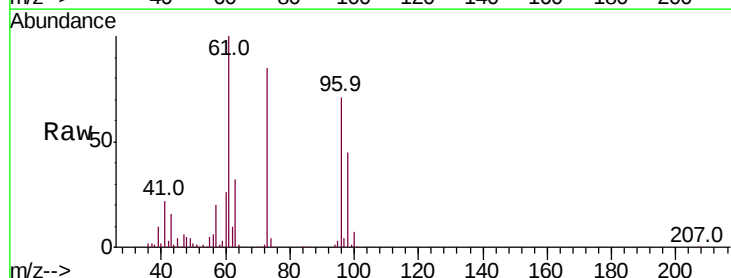
Instrument :
MSVOA_V
ClientSampleId :

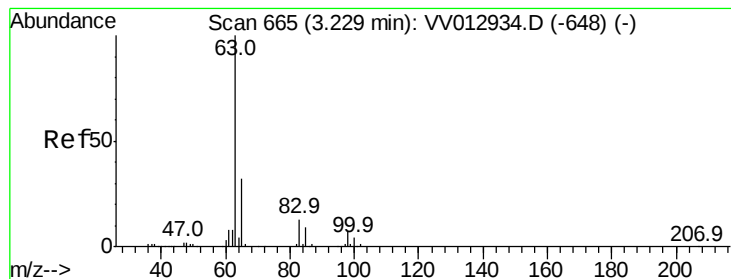
Tot Ion: 73 Resp: 663039
Ion Ratio Lower Upper
73 100
43 18.7 15.0 22.6
57 22.5 18.3 27.5



#18
trans-1,2-Dichloroethene
Concen: 24.835 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.00 min
Lab File: VV013048.D
Acq: 04 Oct 2019 15:47

Tgt Ion: 96 Resp: 269416
Ion Ratio Lower Upper
96 100
61 140.4 96.8 179.8
98 63.4 44.8 83.2





#19

1,1-Dichloroethane

Concen: 25.245 ug/L

RT: 3.23 min Scan# 664

Delta R.T. -0.00 min

Lab File: VV013048.D

Acq: 04 Oct 2019 15:47

Instrument :
MSVOA_V
ClientSampled :

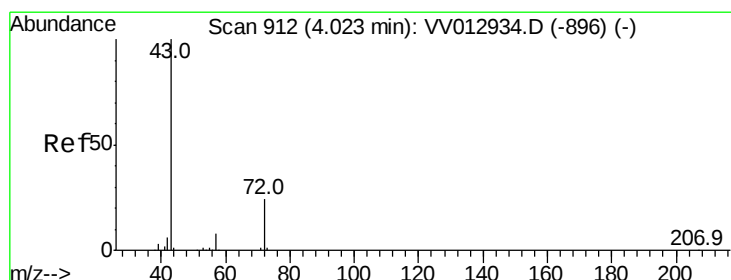
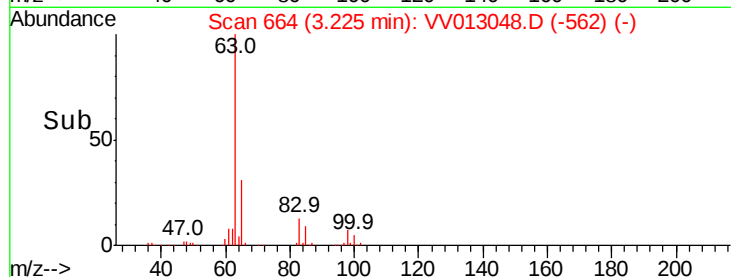
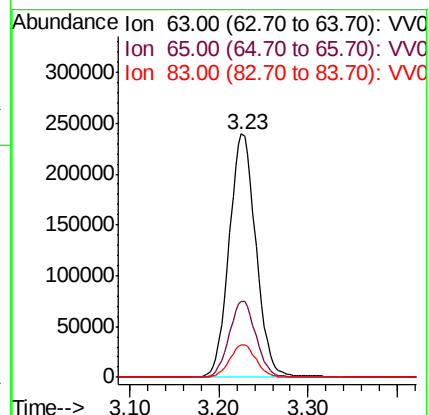
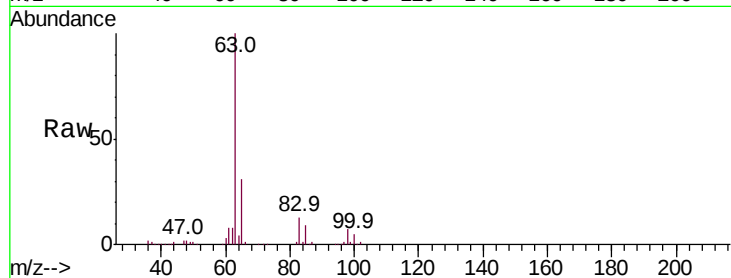
Tot Ion: 63 Resp: 499761

Ion Ratio Lower Upper

63 100

65 31.4 22.0 41.0

83 13.3 9.2 17.0



#21

2-Butanone

Concen: 40.973 ug/L

RT: 4.02 min Scan# 912

Delta R.T. -0.00 min

Lab File: VV013048.D

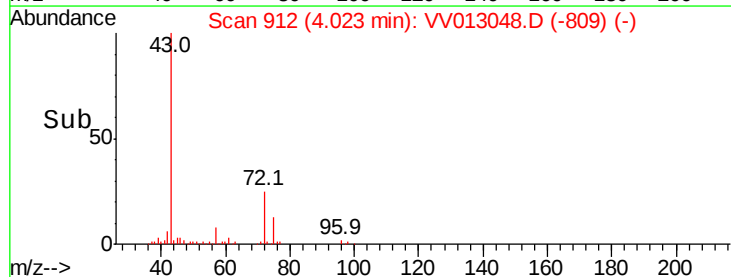
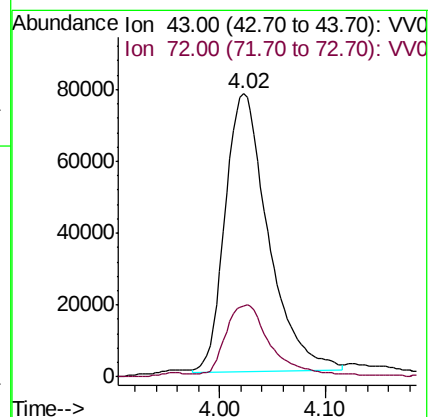
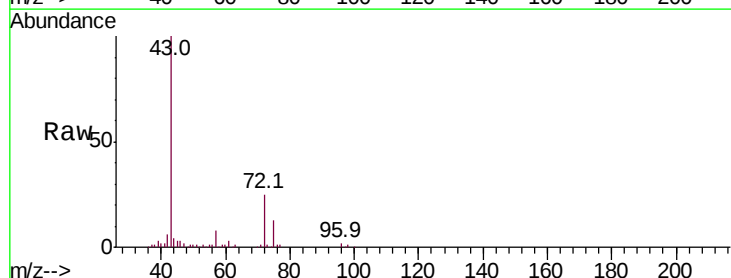
Acq: 04 Oct 2019 15:47

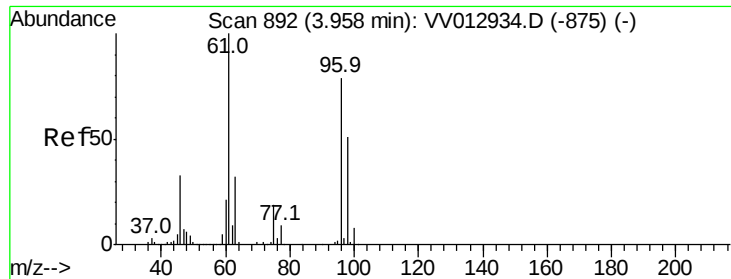
Tgt Ion: 43 Resp: 220127

Ion Ratio Lower Upper

43 100

72 24.8 11.9 35.9



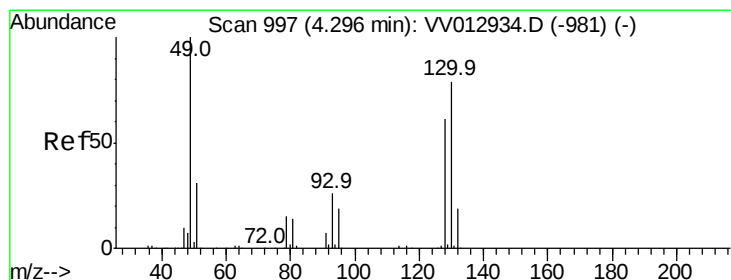
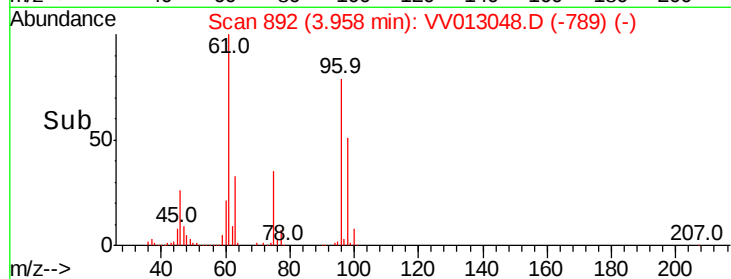
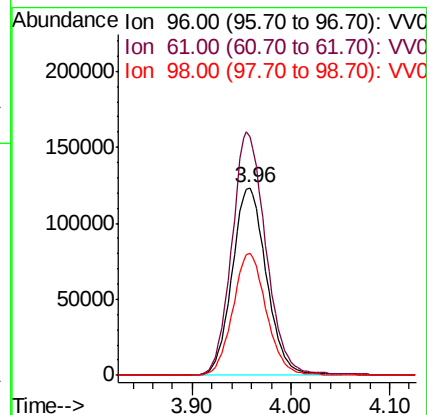
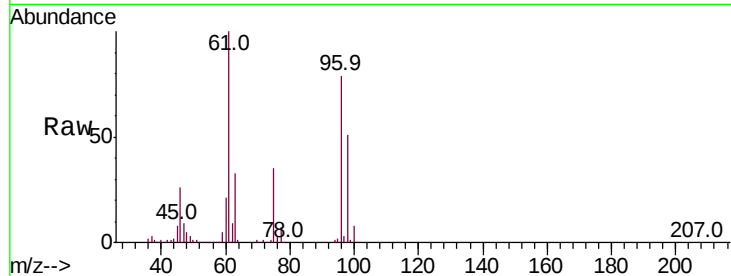


#22

cis-1,2-Dichloroethene
Concen: 25.199 ug/L
RT: 3.96 min Scan# 892
Delta R.T. -0.00 min
Lab File: VV013048.D
Acq: 04 Oct 2019 15:47

Instrument :
MSVOA_V
ClientSampleId :

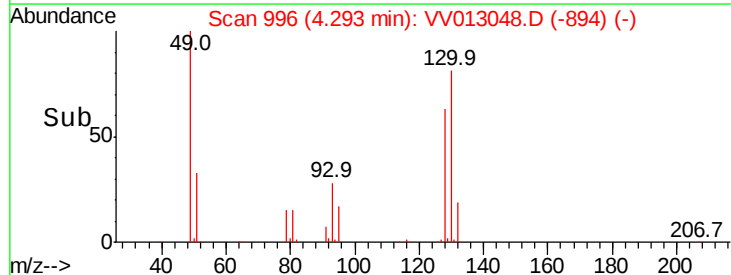
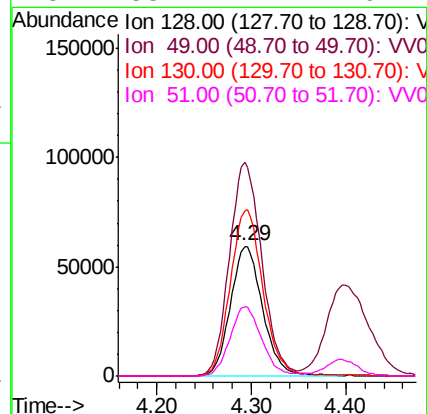
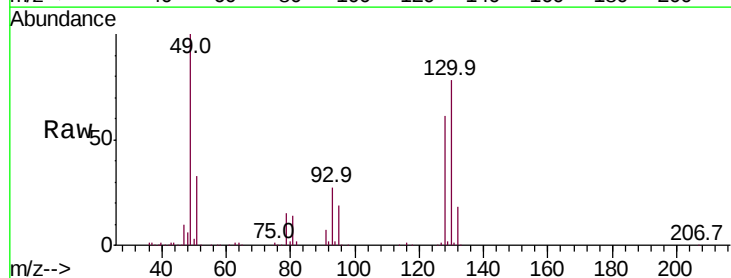
Tot Ion	Ratio	Lower	Upper
96	100		
61	127.2	90.9	168.7
98	65.0	45.6	84.6

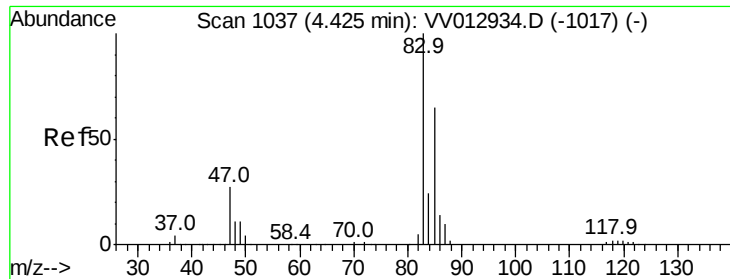


#23

Bromochloromethane
Concen: 23.959 ug/L
RT: 4.29 min Scan# 996
Delta R.T. -0.00 min
Lab File: VV013048.D
Acq: 04 Oct 2019 15:47

Tgt Ion	Ratio	Lower	Upper
128	100		
49	164.9	114.4	212.6
130	127.9	88.5	164.4
51	53.7	41.4	62.2

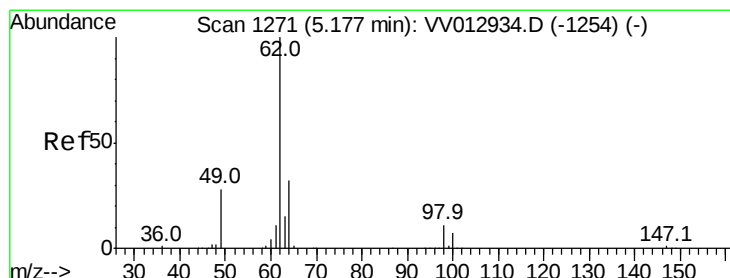
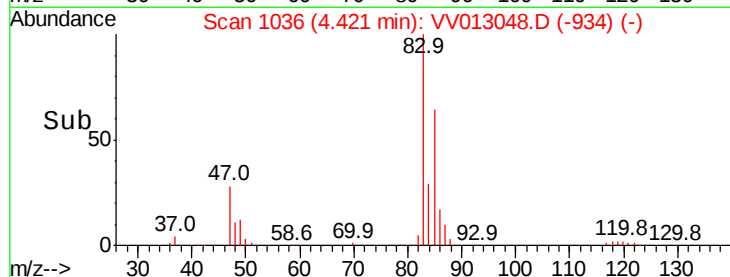
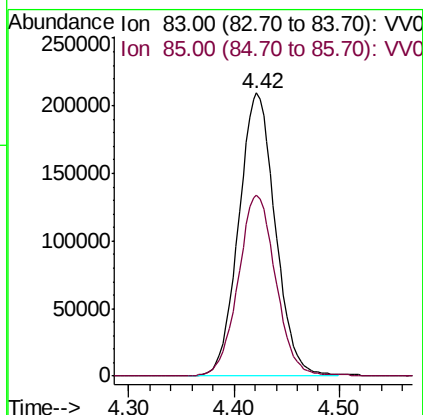
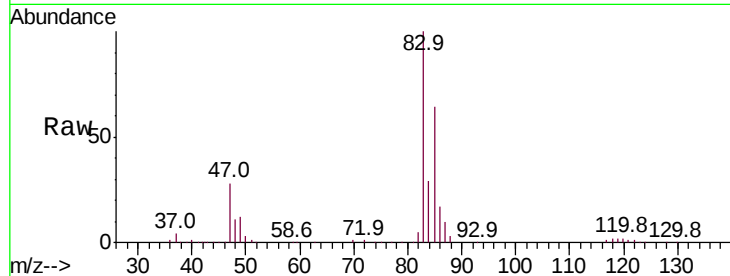




#25
Chloroform
Concen: 24.323 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV013048.D
Acq: 04 Oct 2019 15:47

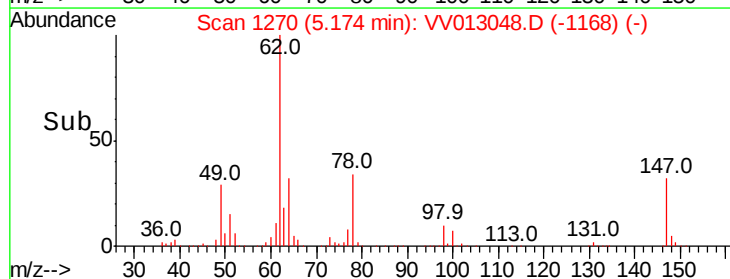
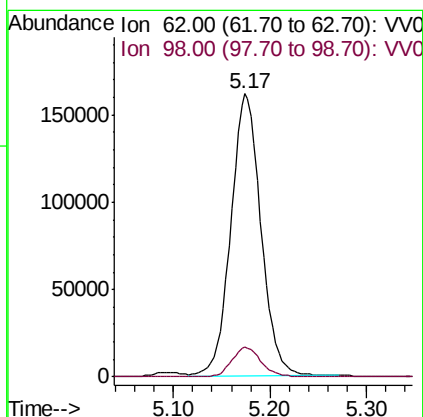
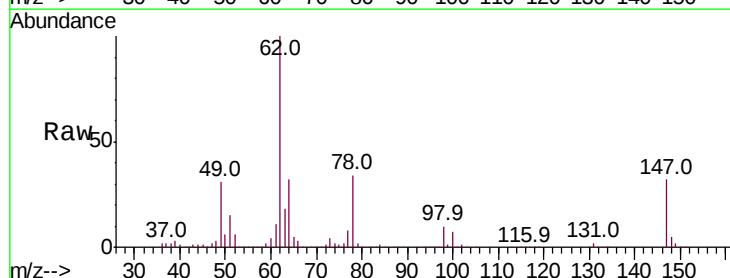
Instrument :
MSVOA_V
ClientSampleId :

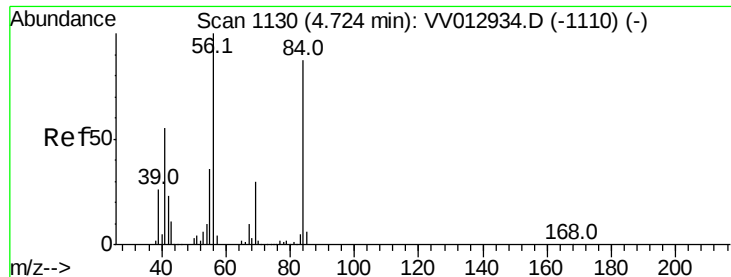
Tot Ion: 83 Resp: 504864
Ion Ratio Lower Upper
83 100
85 66.0 45.8 85.0



#27
1,2-Dichloroethane
Concen: 23.827 ug/L
RT: 5.17 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VV013048.D
Acq: 04 Oct 2019 15:47

Tgt Ion: 62 Resp: 349554
Ion Ratio Lower Upper
62 100
98 10.4 8.2 12.4

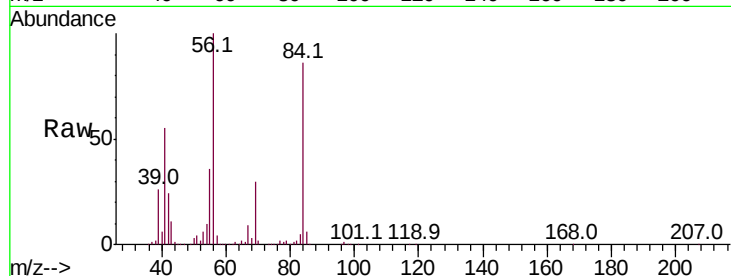




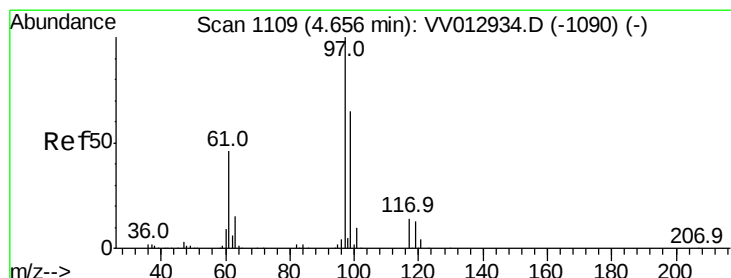
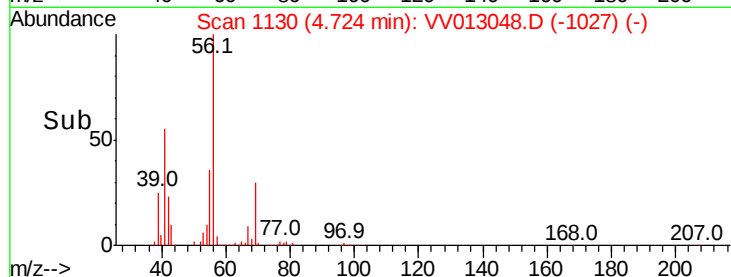
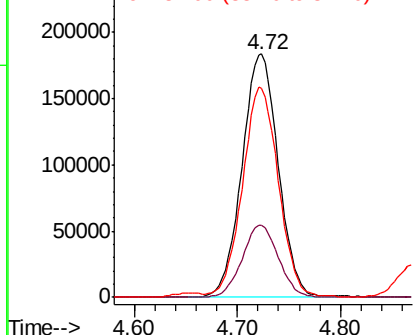
#30
Cyclohexane
Concen: 26.840 ug/L
RT: 4.72 min Scan# 1130
Delta R.T. -0.00 min
Lab File: VV013048.D
Acq: 04 Oct 2019 15:47

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 56 Resp: 448919
Ion Ratio Lower Upper
56 100
69 29.6 23.8 35.8
84 85.5 68.4 102.6

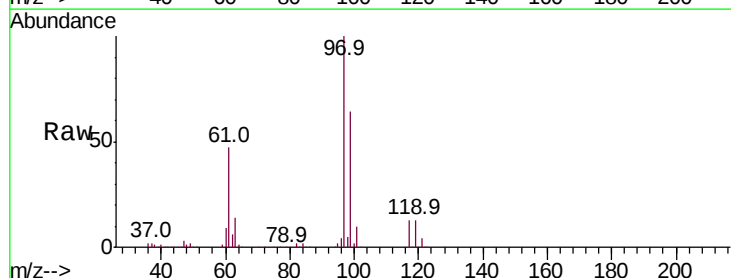


Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0

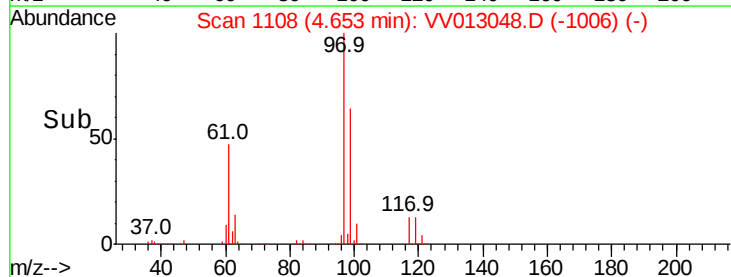
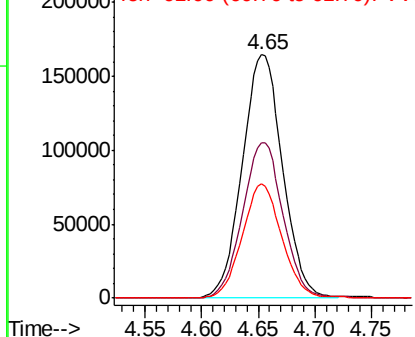


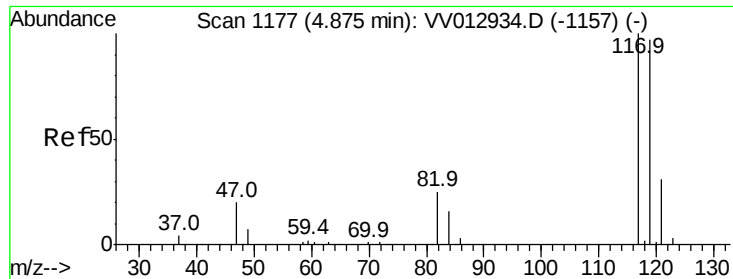
#31
1,1,1-Trichloroethane
Concen: 26.408 ug/L
RT: 4.65 min Scan# 1108
Delta R.T. -0.00 min
Lab File: VV013048.D
Acq: 04 Oct 2019 15:47

Tgt Ion: 97 Resp: 407471
Ion Ratio Lower Upper
97 100
99 63.9 51.7 77.5
61 46.3 37.8 56.8



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.00 (60.70 to 61.70): VV0





#32

Carbon tetrachloride

Concen: 26.172 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VV013048.D

Acq: 04 Oct 2019 15:47

Instrument :

MSVOA_V

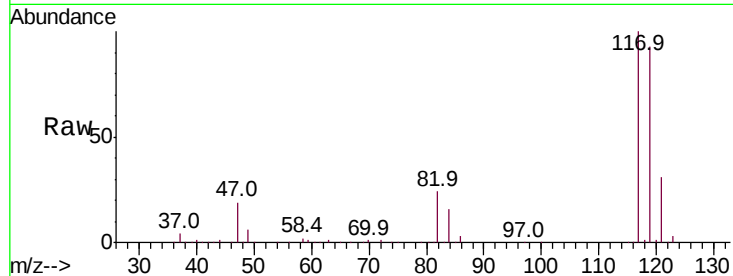
ClientSampleId :

Tot Ion:117 Resp: 366173

Ion Ratio Lower Upper

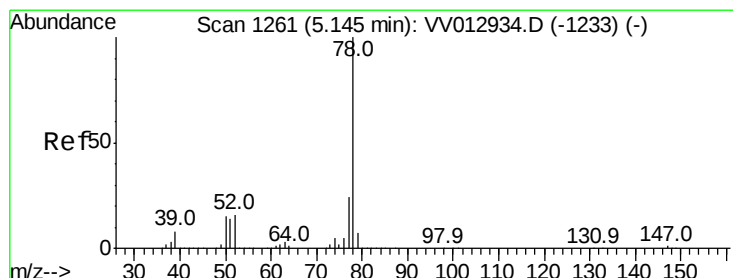
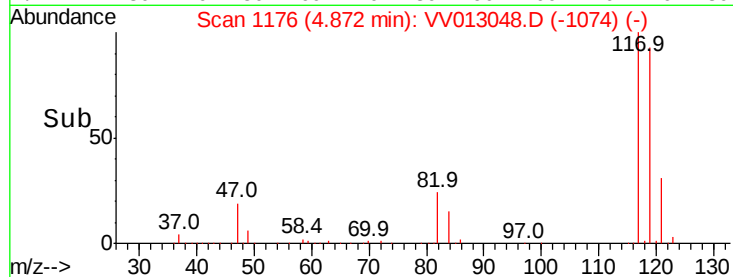
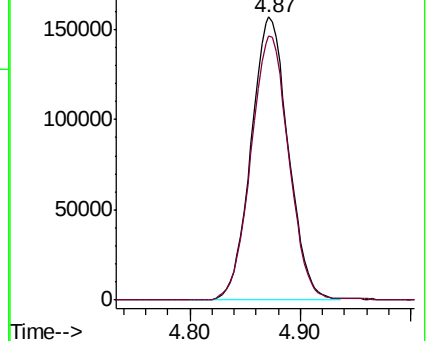
117 100

119 94.9 76.0 114.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 26.172 ug/L

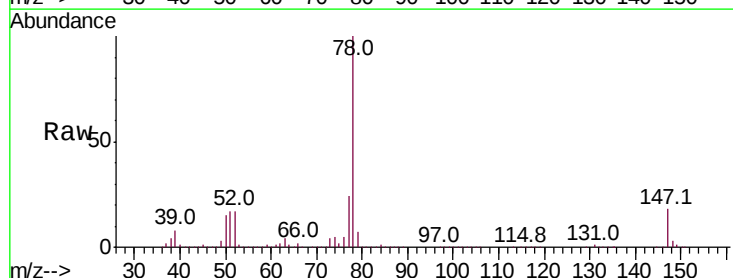
RT: 5.14 min Scan# 1260

Delta R.T. -0.00 min

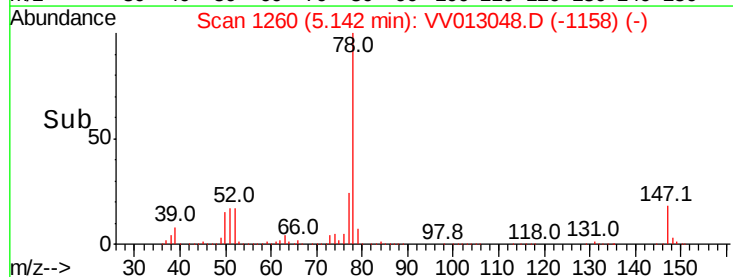
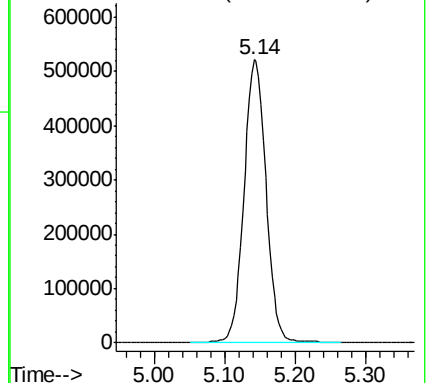
Lab File: VV013048.D

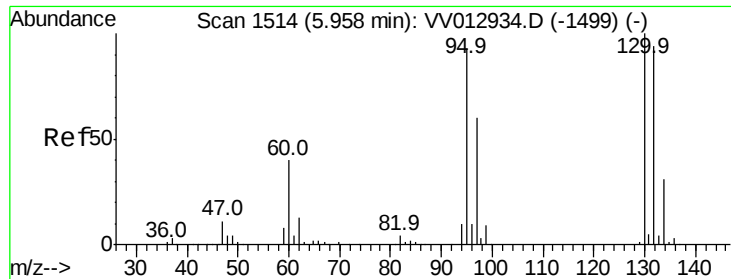
Acq: 04 Oct 2019 15:47

Tgt Ion: 78 Resp: 1135768



Abundance Ion 78.00 (77.70 to 78.70): VV0





#35

Trichloroethene

Concen: 25.371 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV013048.D

Acq: 04 Oct 2019 15:47

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 95 Resp: 306707

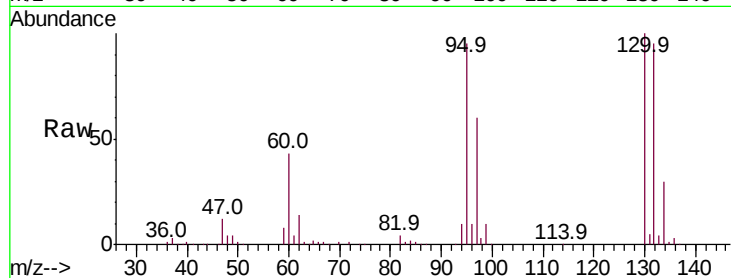
Ion Ratio Lower Upper

95 100

97 63.4 44.7 82.9

132 99.2 70.1 130.1

130 104.1 73.3 136.1

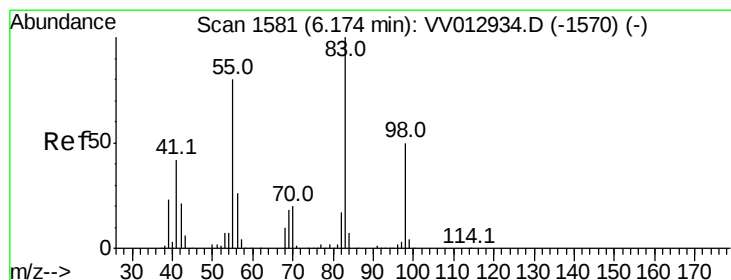
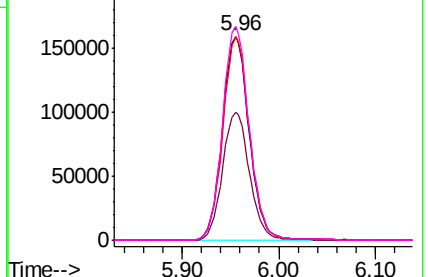
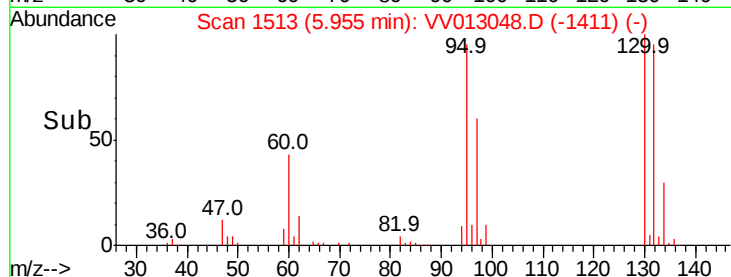


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 26.155 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV013048.D

Acq: 04 Oct 2019 15:47

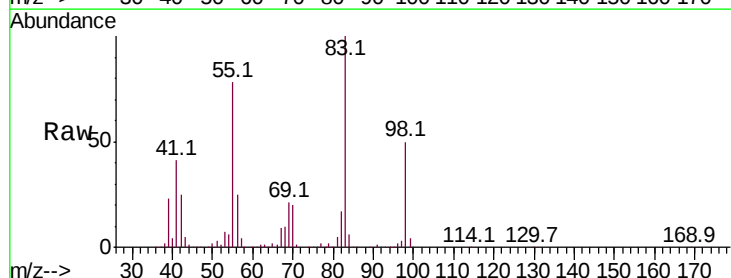
Tgt Ion: 83 Resp: 485401

Ion Ratio Lower Upper

83 100

55 77.5 61.8 92.8

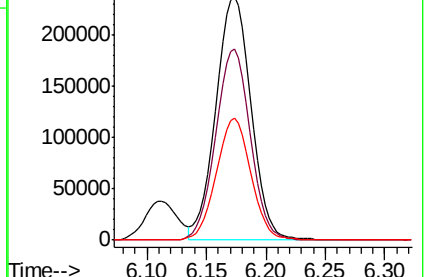
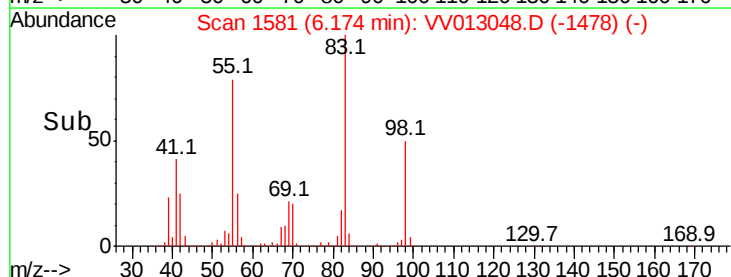
98 49.4 39.3 58.9

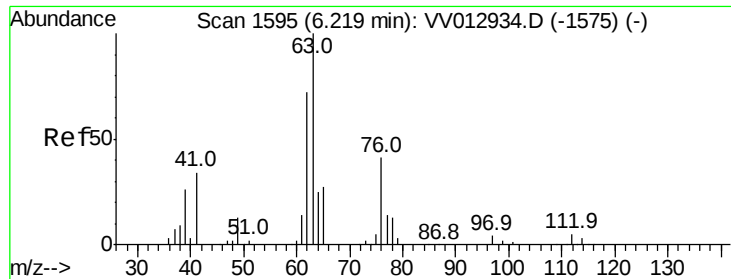


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

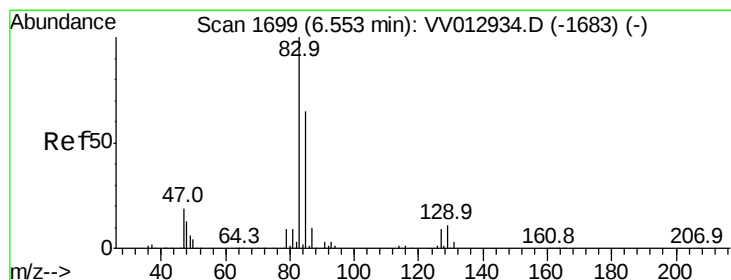
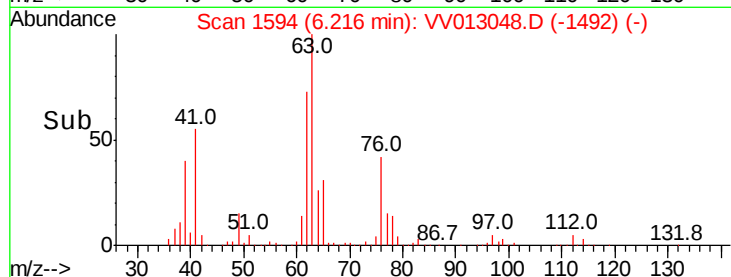
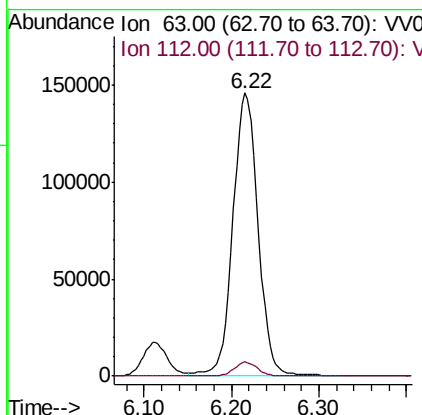
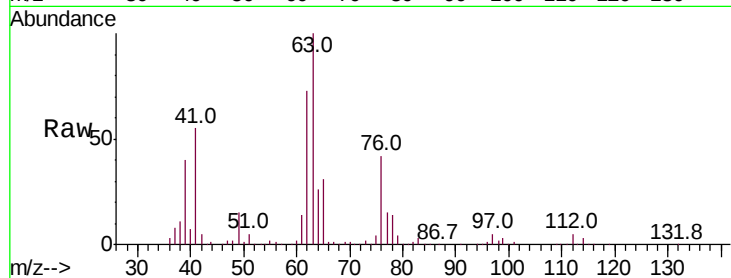




#40
 1,2-Dichloropropane
 Concen: 25.656 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. -0.00 min
 Lab File: VV013048.D
 Acq: 04 Oct 2019 15:47

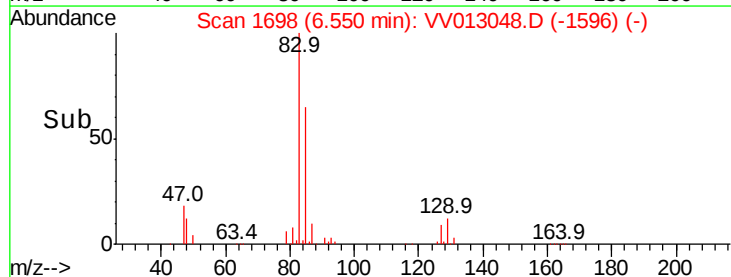
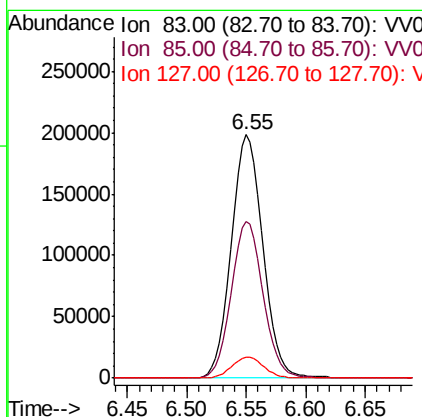
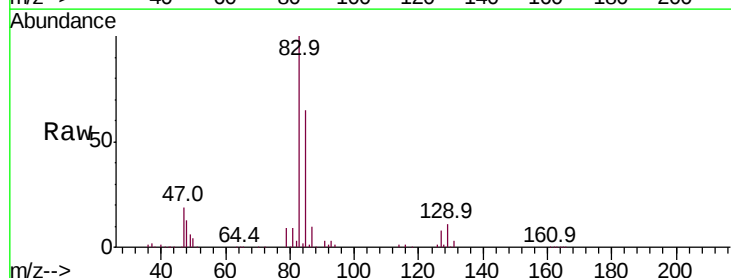
Instrument :
 MSVOA_V
 ClientSampleId :

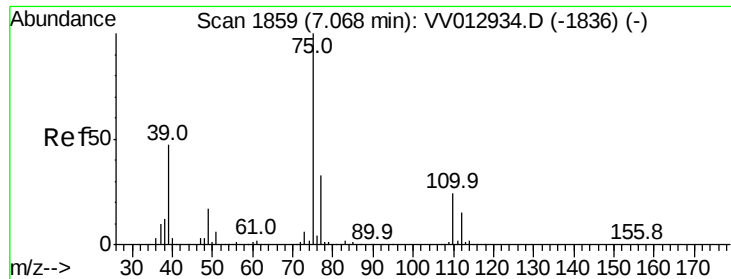
Tot Ion: 63 Resp: 289537
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.8 5.6



#41
 Bromodichloromethane
 Concen: 25.333 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VV013048.D
 Acq: 04 Oct 2019 15:47

Tgt Ion: 83 Resp: 366192
 Ion Ratio Lower Upper
 83 100
 85 64.5 45.3 84.1
 127 8.4 7.2 10.8



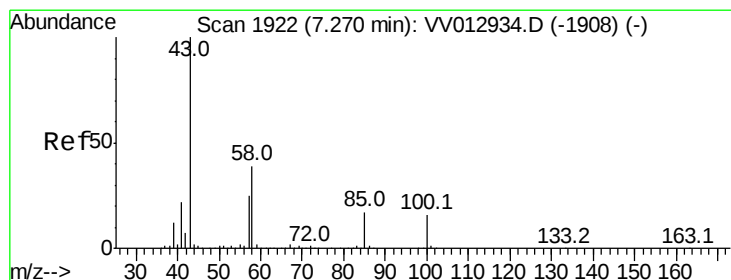
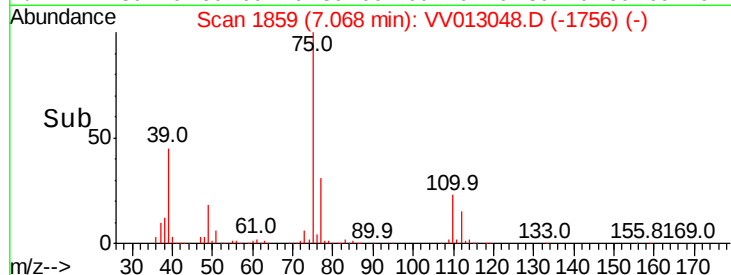
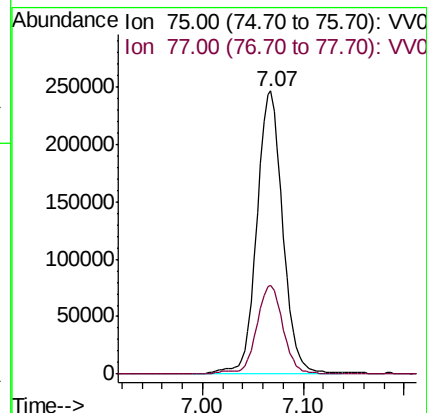
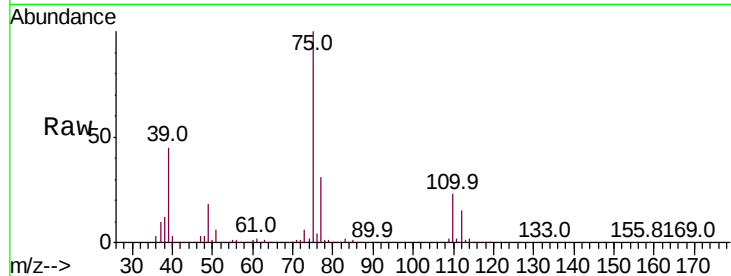


#42

cis-1,3-Dichloropropene
Concen: 26.414 ug/L
RT: 7.07 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VV013048.D
Acq: 04 Oct 2019 15:47

Instrument :
MSVOA_V
ClientSampled :

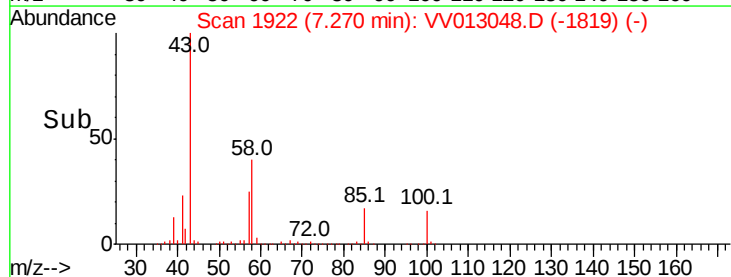
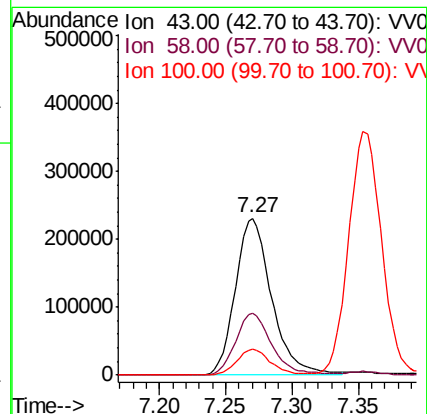
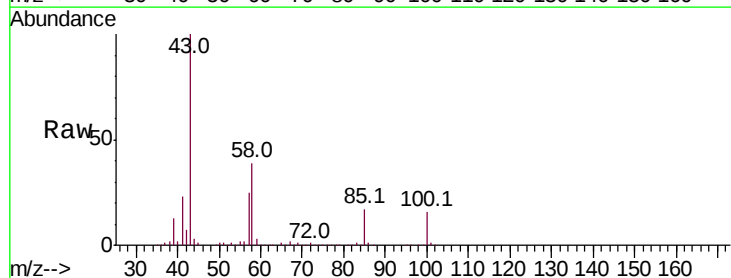
Tot Ion: 75 Resp: 438011
Ion Ratio Lower Upper
75 100
77 31.3 21.5 39.9

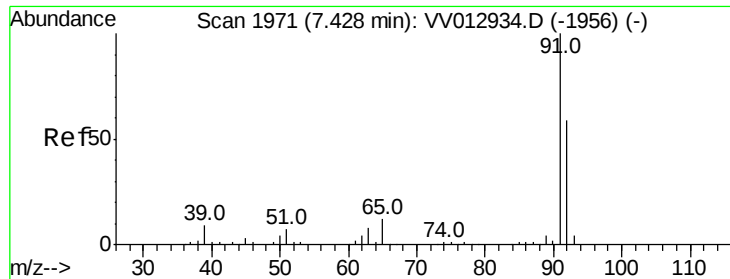


#43

4-Methyl-2-pentanone
Concen: 47.461 ug/L
RT: 7.27 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VV013048.D
Acq: 04 Oct 2019 15:47

Tgt Ion: 43 Resp: 440059
Ion Ratio Lower Upper
43 100
58 39.2 31.2 46.8
100 15.4 12.2 18.2





#44

Toluene

Concen: 26.821 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV013048.D

Acq: 04 Oct 2019 15:47

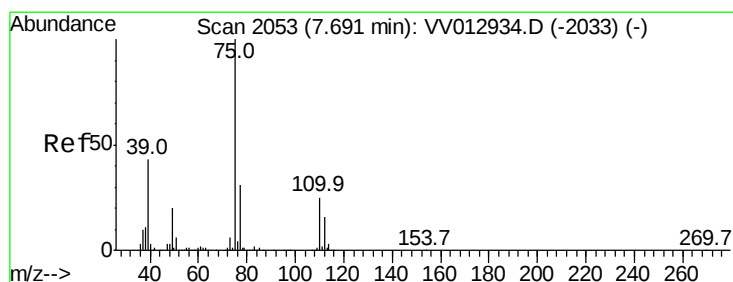
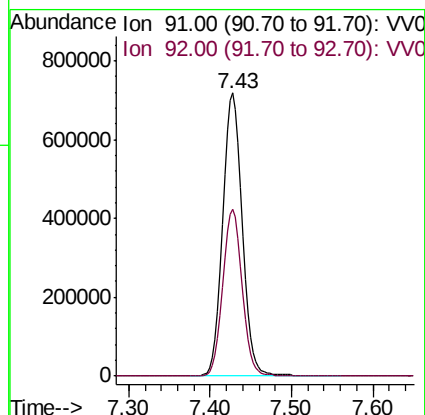
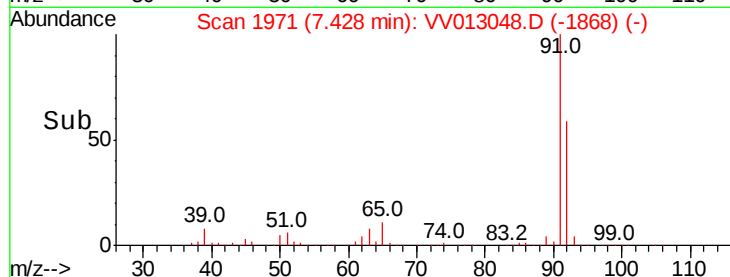
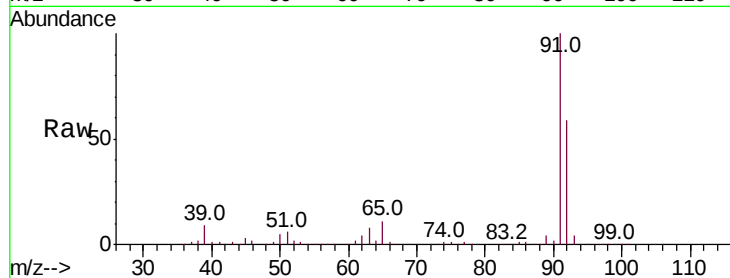
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 1227595

Ion Ratio Lower Upper

91 100

92 59.0 41.3 76.7



#45

trans-1,3-Dichloropropene

Concen: 25.574 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. -0.00 min

Lab File: VV013048.D

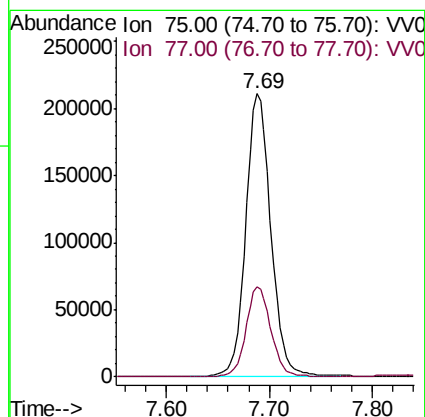
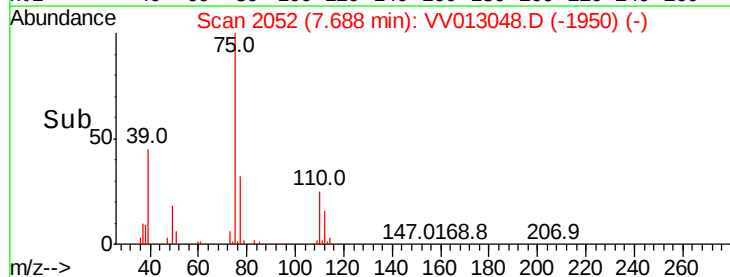
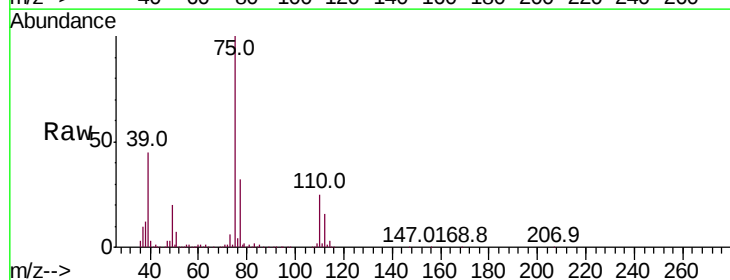
Acq: 04 Oct 2019 15:47

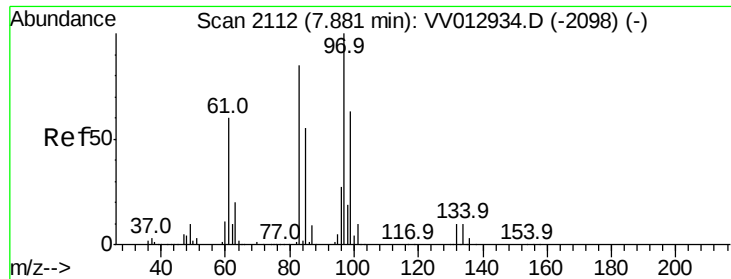
Tgt Ion: 75 Resp: 356924

Ion Ratio Lower Upper

75 100

77 32.0 22.0 40.8

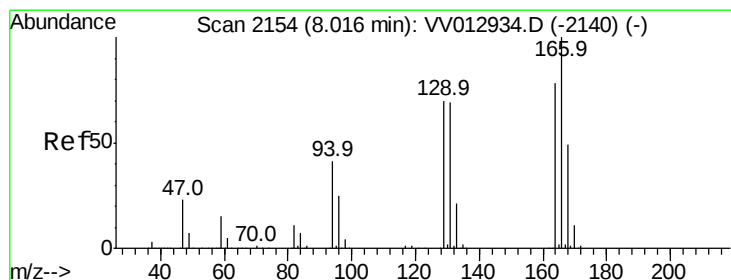
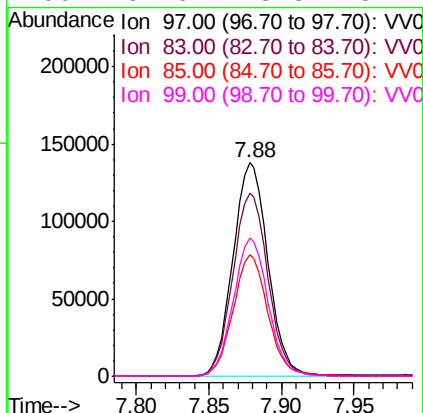
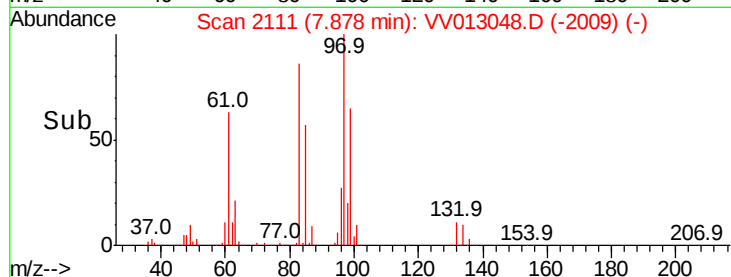
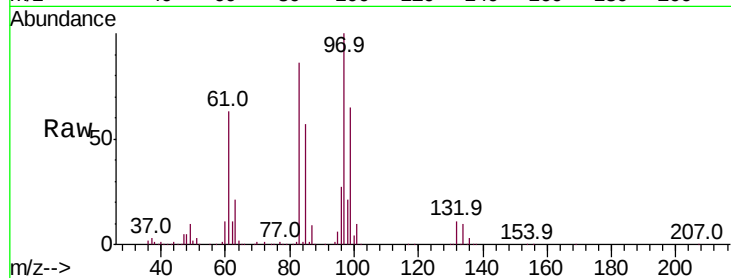




#46
1,1,2-Trichloroethane
Concen: 24.084 ug/L
RT: 7.88 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VV013048.D
Acq: 04 Oct 2019 15:47

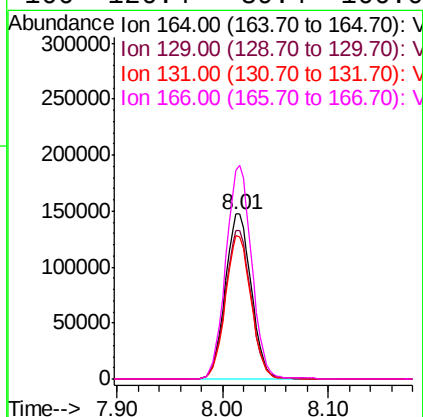
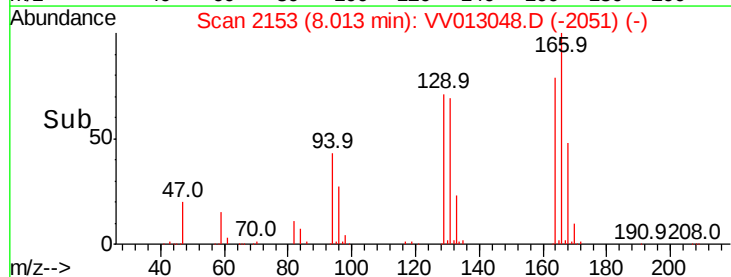
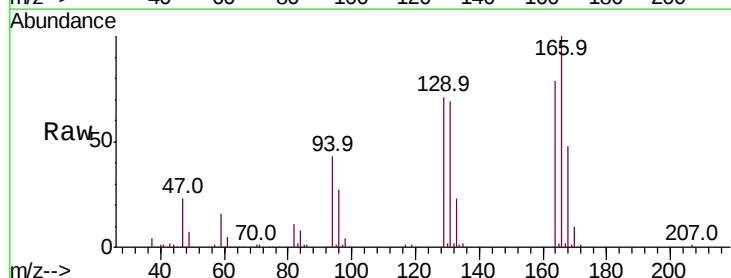
Instrument :
MSVOA_V
ClientSampleId :

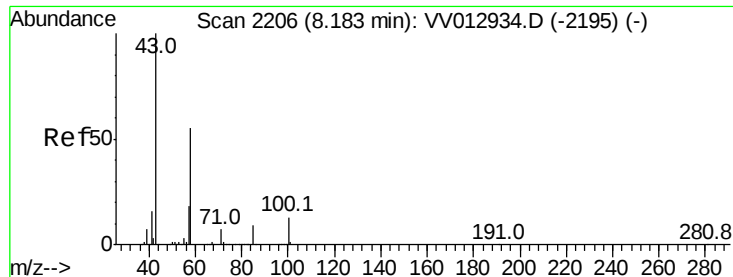
Tot Ion: 97 Resp: 230750
Ion Ratio Lower Upper
97 100
83 85.9 58.9 109.5
85 57.1 38.4 71.2
99 64.6 43.8 81.4



#47
Tetrachloroethene
Concen: 25.510 ug/L
RT: 8.01 min Scan# 2153
Delta R.T. -0.00 min
Lab File: VV013048.D
Acq: 04 Oct 2019 15:47

Tgt Ion: 164 Resp: 250649
Ion Ratio Lower Upper
164 100
129 90.3 62.8 116.6
131 87.1 60.2 111.8
166 126.4 89.4 166.0

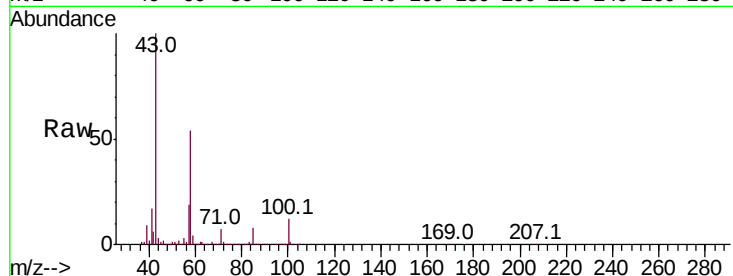




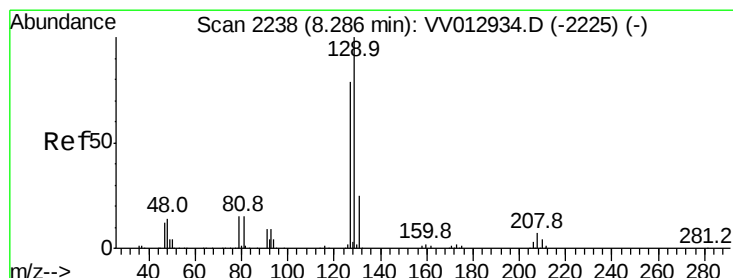
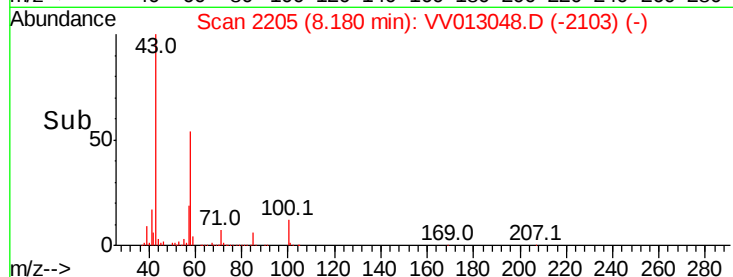
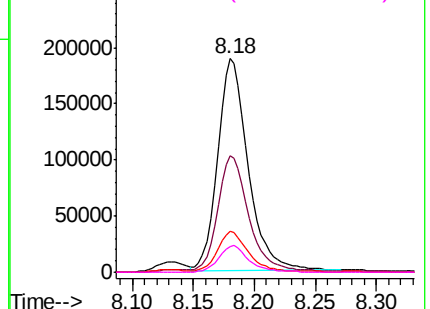
#49
2-Hexanone
Concen: 47.062 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. -0.00 min
Lab File: VV013048.D
Acq: 04 Oct 2019 15:47

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 328921
Ion Ratio Lower Upper
43 100
58 55.8 46.5 69.7
57 19.5 15.5 23.3
100 12.2 9.7 14.5

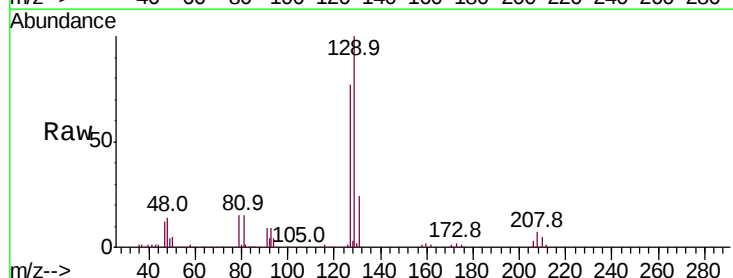


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

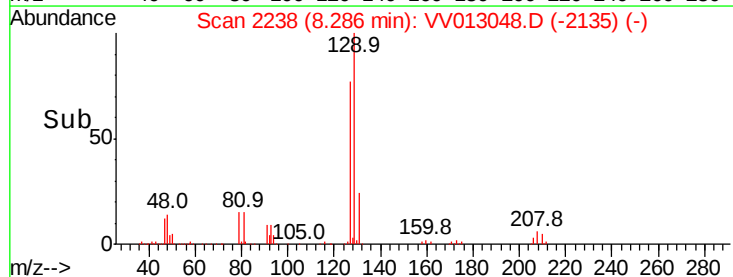
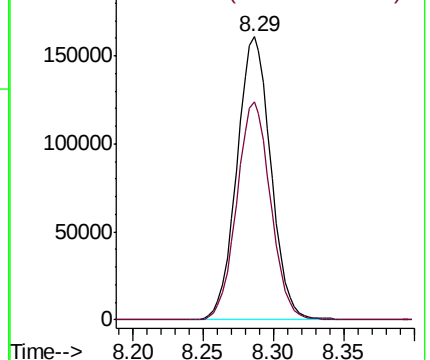


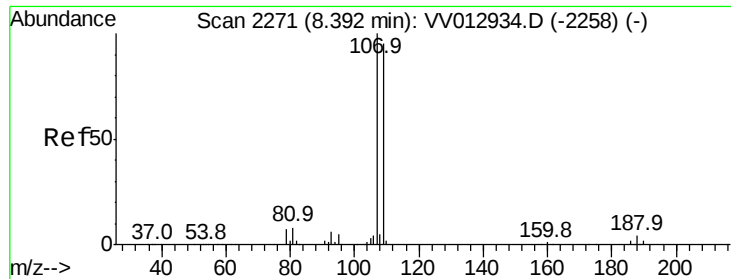
#50
Dibromochloromethane
Concen: 24.670 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. -0.00 min
Lab File: VV013048.D
Acq: 04 Oct 2019 15:47

Tgt Ion: 129 Resp: 271656
Ion Ratio Lower Upper
129 100
127 76.9 53.7 99.7



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V





#51

1,2-Dibromoethane

Concen: 24.475 ug/L

RT: 8.39 min Scan# 2271

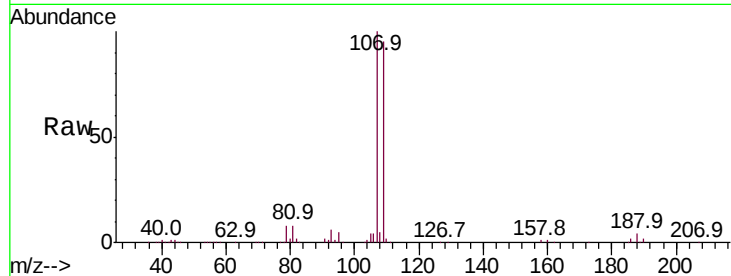
Delta R.T. -0.00 min

Lab File: VV013048.D

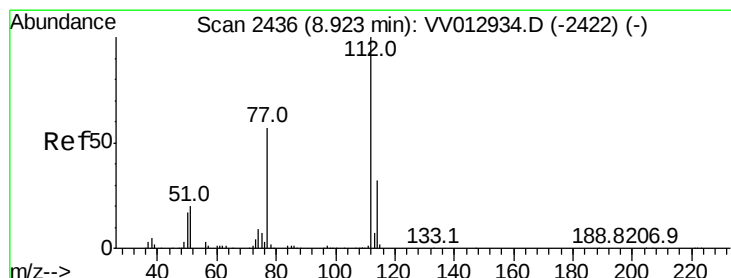
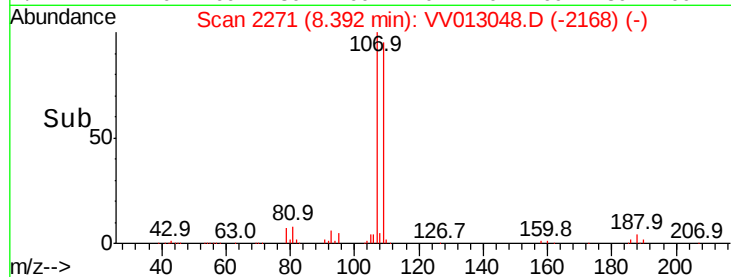
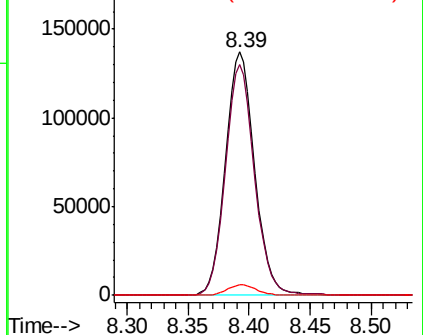
Acq: 04 Oct 2019 15:47

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	107	Resp:	229787
Ion	Ratio	Lower	Upper
107	100		
109	94.9	66.1	122.8
188	4.3	3.1	4.7



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 25.107 ug/L

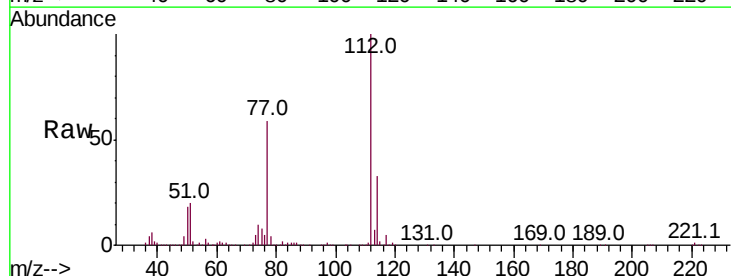
RT: 8.92 min Scan# 2435

Delta R.T. -0.00 min

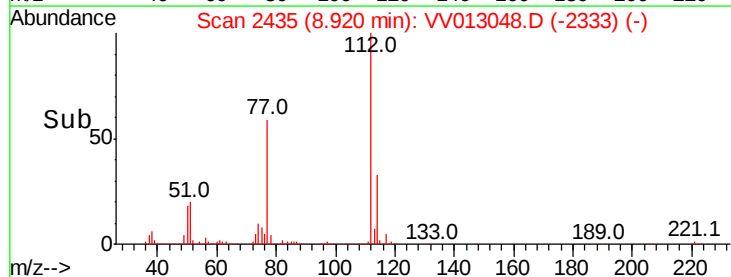
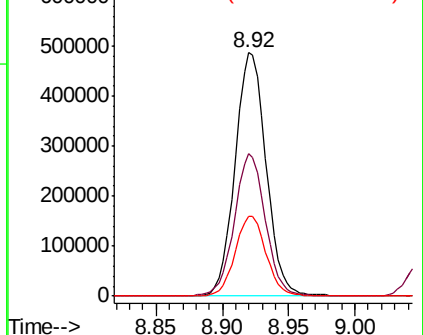
Lab File: VV013048.D

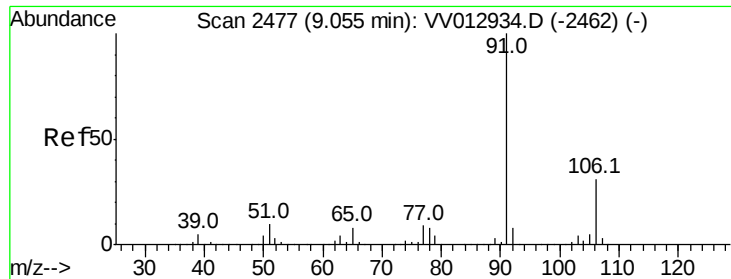
Acq: 04 Oct 2019 15:47

Tgt Ion:	112	Resp:	793024
Ion	Ratio	Lower	Upper
112	100		
77	58.6	46.3	69.5
114	33.0	22.5	41.7



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 77.00 (76.70 to 77.70): V
Ion 114.00 (113.70 to 114.70): V

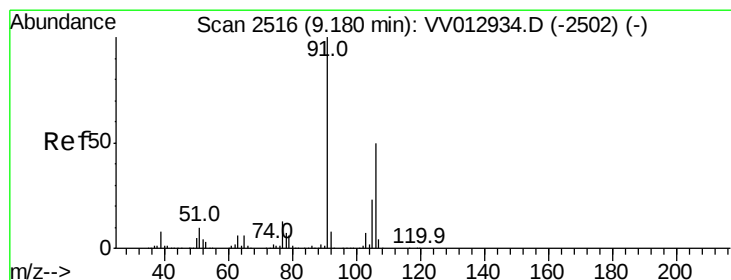
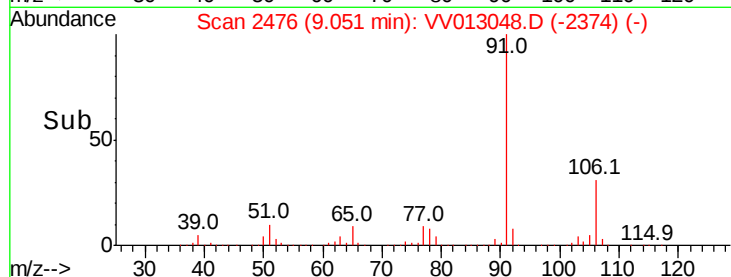
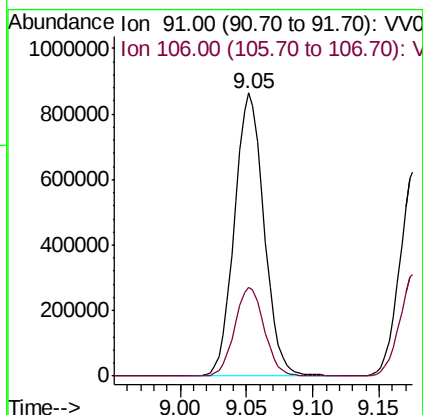
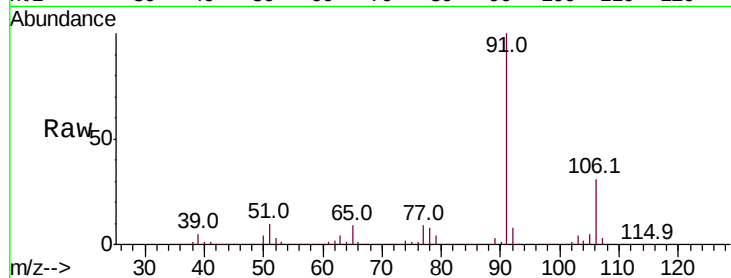




#53
Ethylbenzene
Concen: 26.588 ug/L
RT: 9.05 min Scan# 2476
Delta R.T. -0.00 min
Lab File: VV013048.D
Acq: 04 Oct 2019 15:47

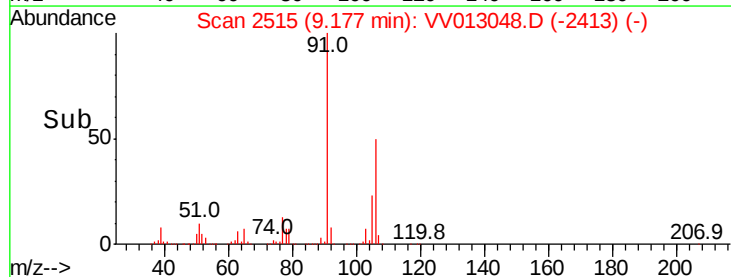
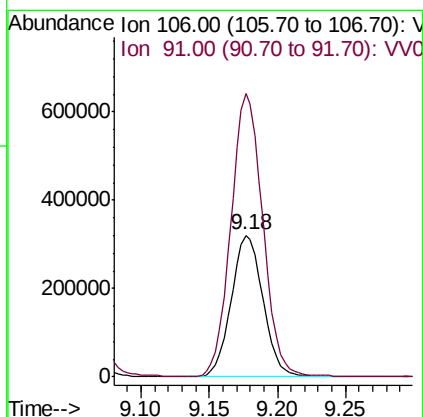
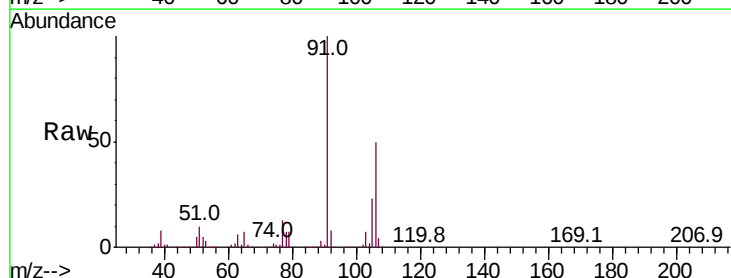
Instrument :
MSVOA_V
ClientSampleId :

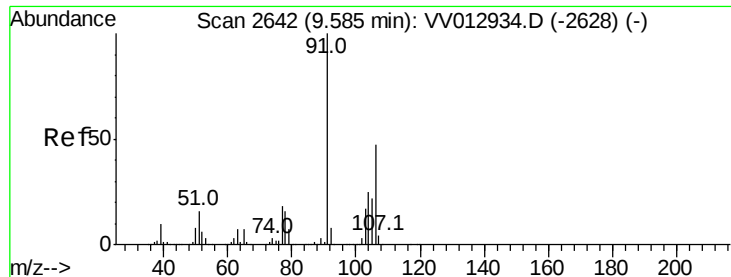
Tot Ion: 91 Resp: 1339918
Ion Ratio Lower Upper
91 100
106 31.5 21.8 40.4



#54
m,p-Xylene
Concen: 27.007 ug/L
RT: 9.18 min Scan# 2515
Delta R.T. -0.00 min
Lab File: VV013048.D
Acq: 04 Oct 2019 15:47

Tgt Ion: 106 Resp: 517416
Ion Ratio Lower Upper
106 100
91 199.5 140.1 260.3





#55

o-xylene

Concen: 27.519 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV013048.D

Acq: 04 Oct 2019 15:47

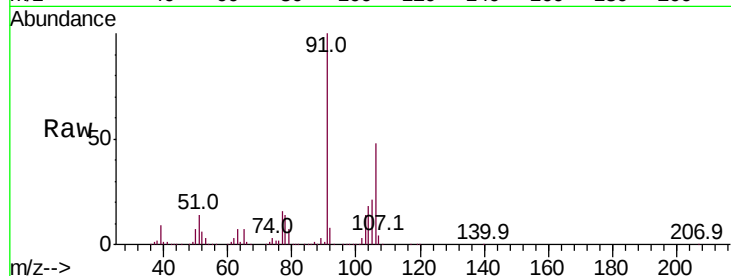
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 502345

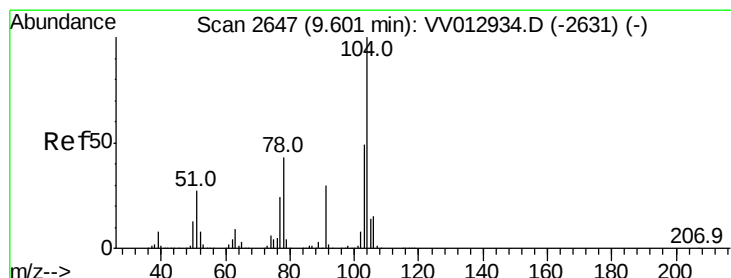
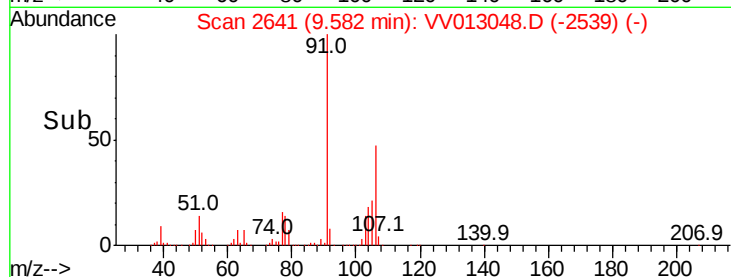
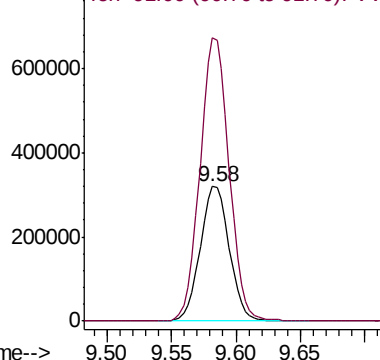
Ion Ratio Lower Upper

106 100

91 210.4 148.8 276.4



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0



#56

Styrene

Concen: 27.271 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. -0.00 min

Lab File: VV013048.D

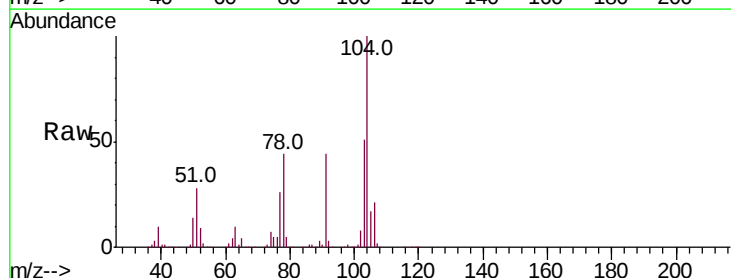
Acq: 04 Oct 2019 15:47

Tgt Ion:104 Resp: 875907

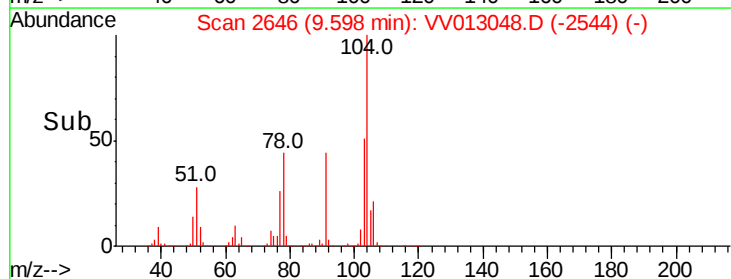
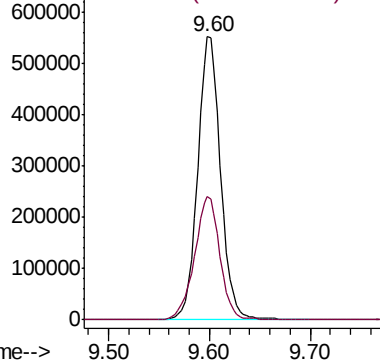
Ion Ratio Lower Upper

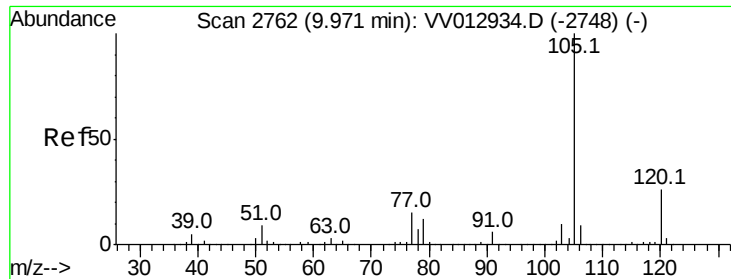
104 100

78 43.8 29.8 55.3



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 27.708 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. -0.00 min

Lab File: VV013048.D

Acq: 04 Oct 2019 15:47

Instrument :

MSVOA_V

ClientSampled :

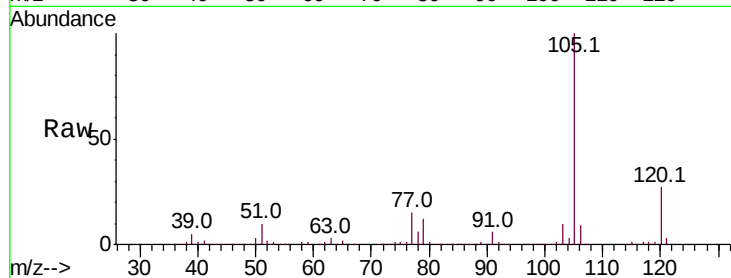
Tot Ion:105 Resp: 1329270

Ion Ratio Lower Upper

105 100

120 26.8 21.4 32.0

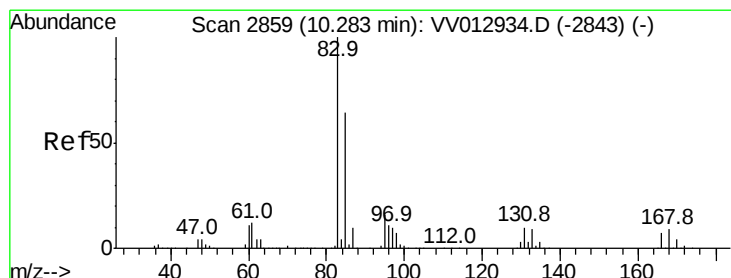
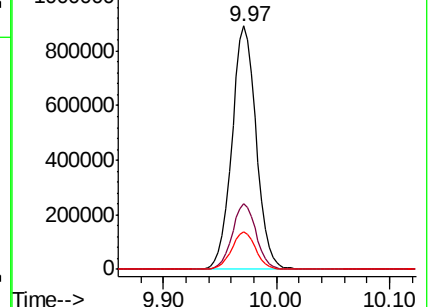
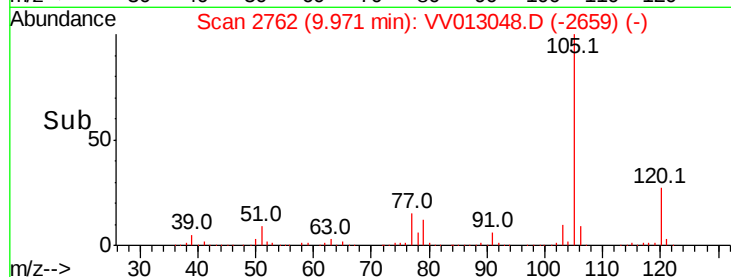
77 15.3 12.2 18.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 23.788 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VV013048.D

Acq: 04 Oct 2019 15:47

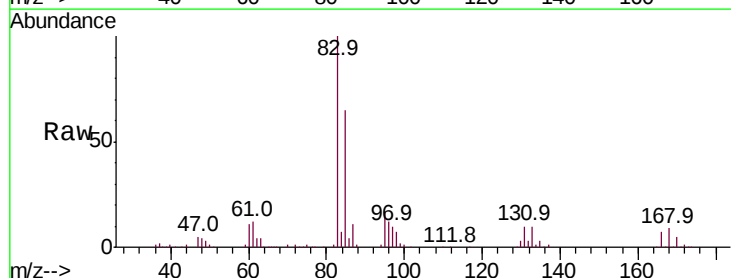
Tgt Ion: 83 Resp: 281918

Ion Ratio Lower Upper

83 100

85 65.1 45.4 84.2

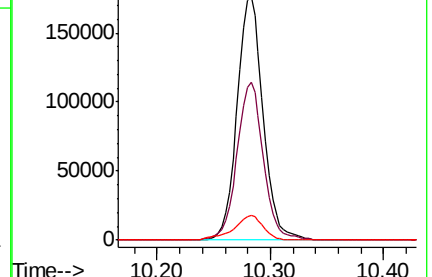
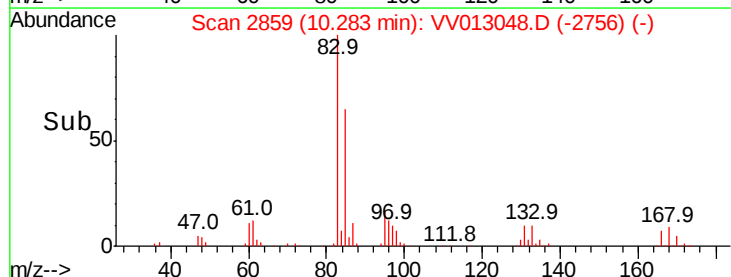
131 10.1 8.2 12.2

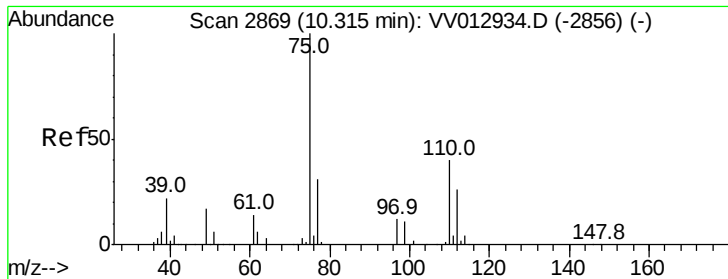


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

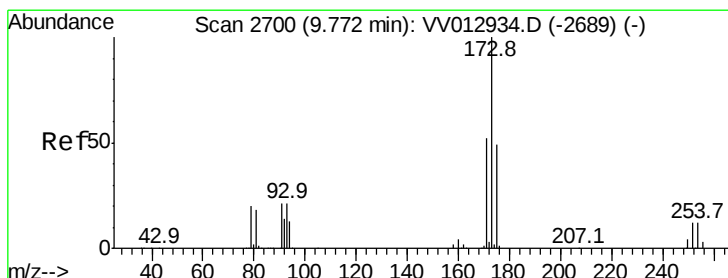
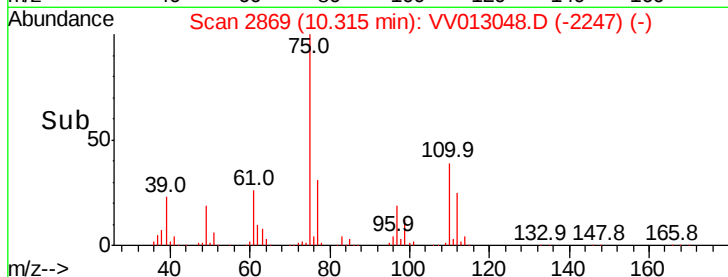
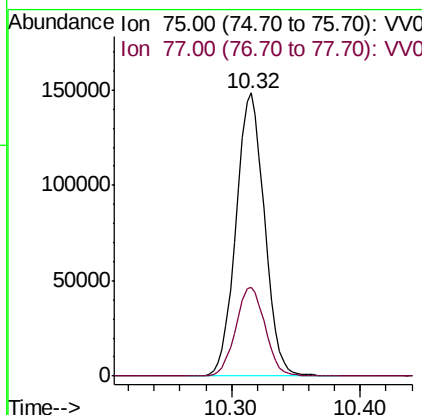
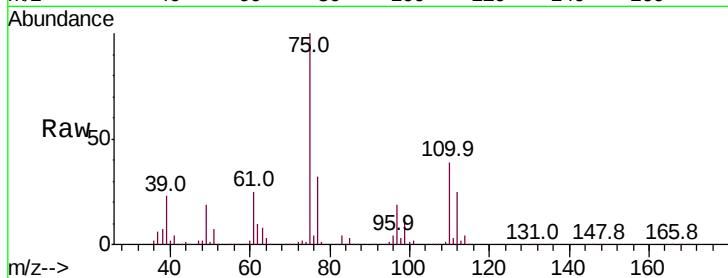




#59
 1,2,3-Trichloropropane
 Concen: 23.278 ug/L
 RT: 10.32 min Scan# 2869
 Delta R.T. -0.00 min
 Lab File: VV013048.D
 Acq: 04 Oct 2019 15:47

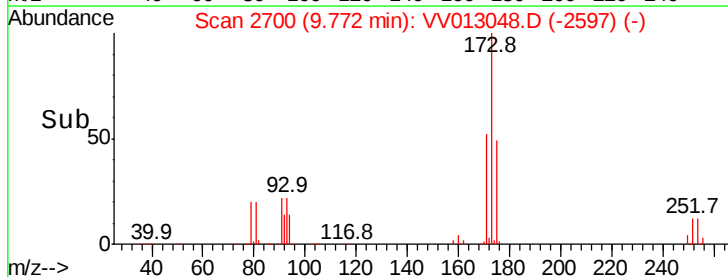
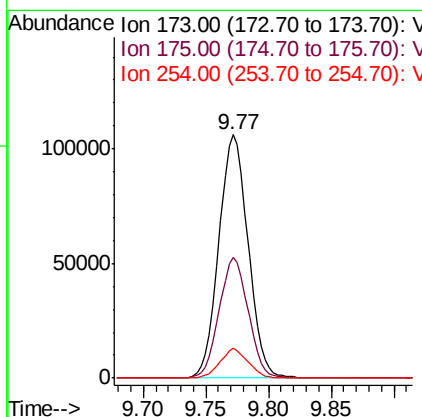
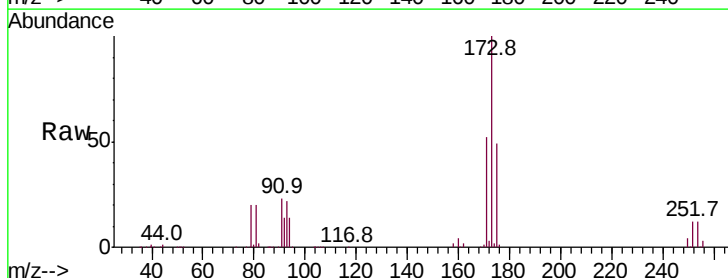
Instrument :
 MSVOA_V
 ClientSampleId :

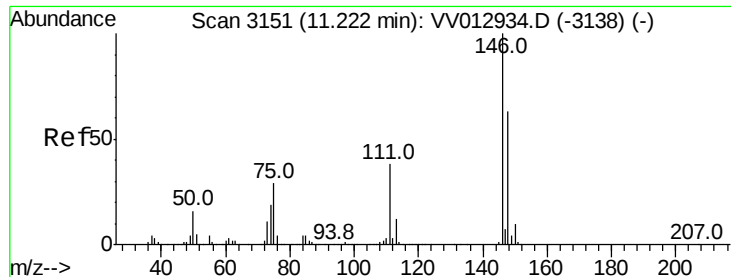
Tot Ion: 75 Resp: 227698
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.4 38.0



#62
 Bromoform
 Concen: 24.182 ug/L
 RT: 9.77 min Scan# 2700
 Delta R.T. -0.00 min
 Lab File: VV013048.D
 Acq: 04 Oct 2019 15:47

Tgt Ion: 173 Resp: 172096
 Ion Ratio Lower Upper
 173 100
 175 49.2 39.5 59.3
 254 11.6 9.1 13.7

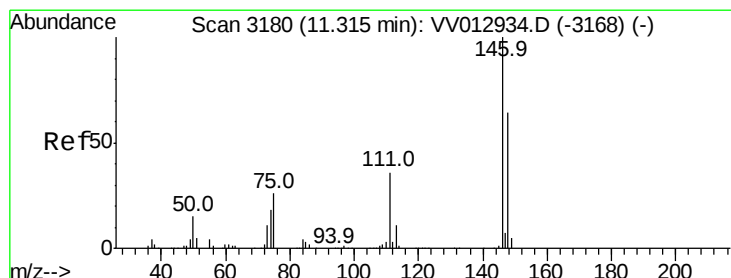
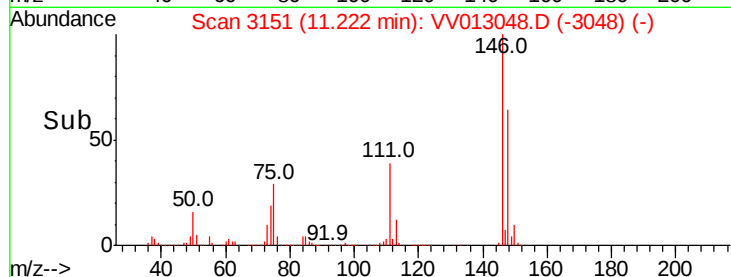
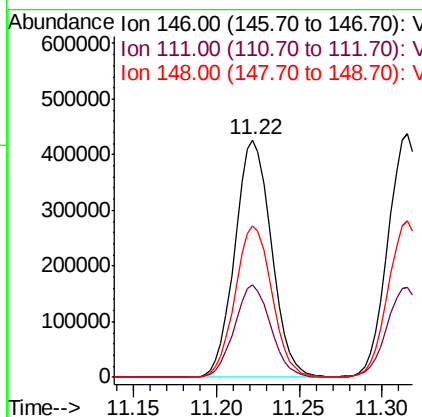
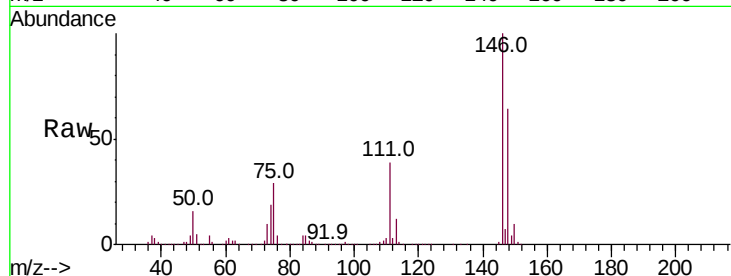




#63
 1,3-Dichlorobenzene
 Concen: 25.374 ug/L
 RT: 11.22 min Scan# 3151
 Delta R.T. -0.00 min
 Lab File: VV013048.D
 Acq: 04 Oct 2019 15:47

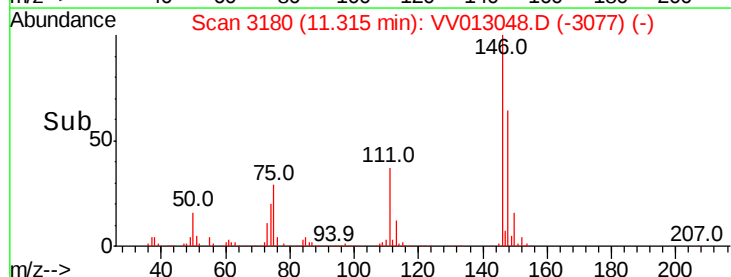
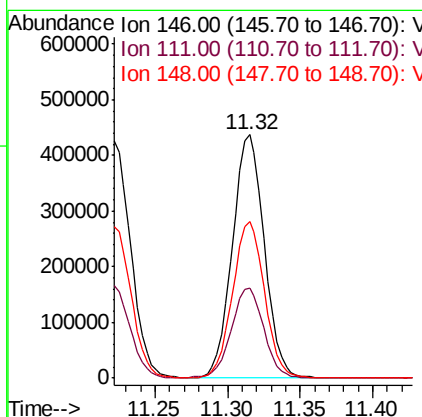
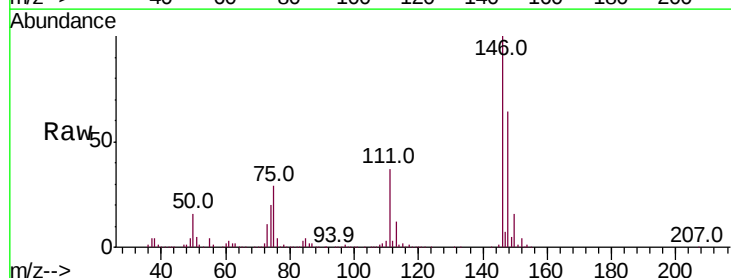
Instrument :
 MSVOA_V
 ClientSampled :

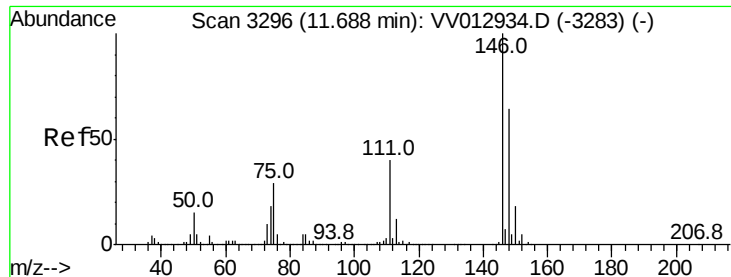
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	26.7	49.7
148	63.8	43.9	81.5



#64
 1,4-Dichlorobenzene
 Concen: 24.567 ug/L
 RT: 11.32 min Scan# 3180
 Delta R.T. -0.00 min
 Lab File: VV013048.D
 Acq: 04 Oct 2019 15:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	25.5	47.3
148	64.5	45.1	83.9

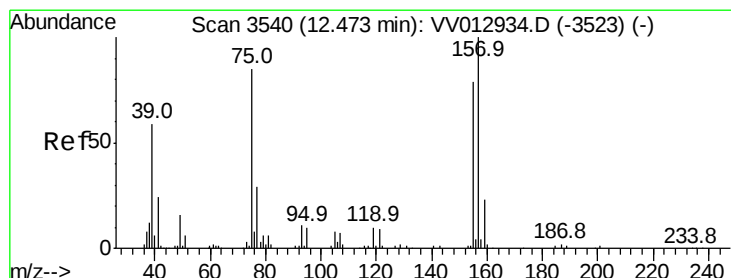
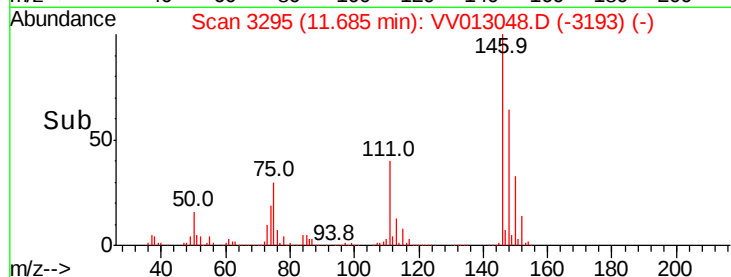
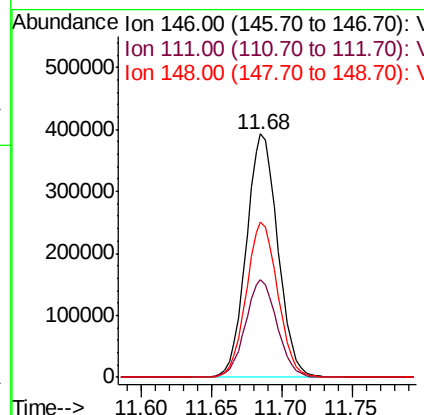
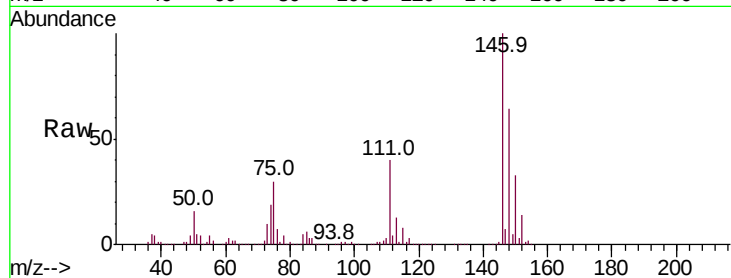




#65
 1,2-Dichlorobenzene
 Concen: 24.931 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. -0.00 min
 Lab File: VV013048.D
 Acq: 04 Oct 2019 15:47

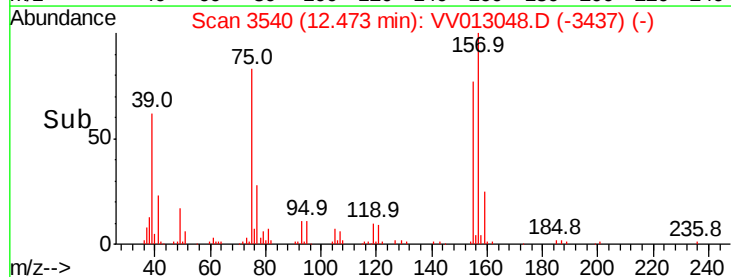
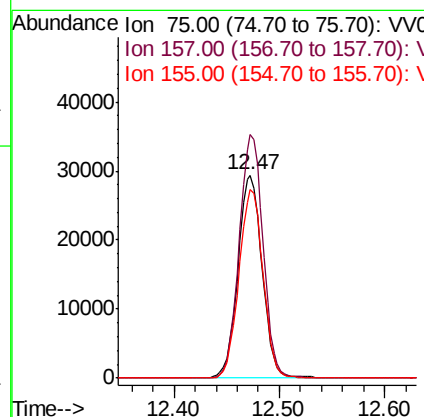
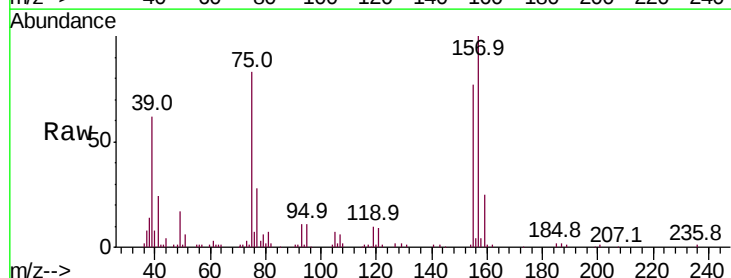
Instrument :
 MSVOA_V
 ClientSampled :

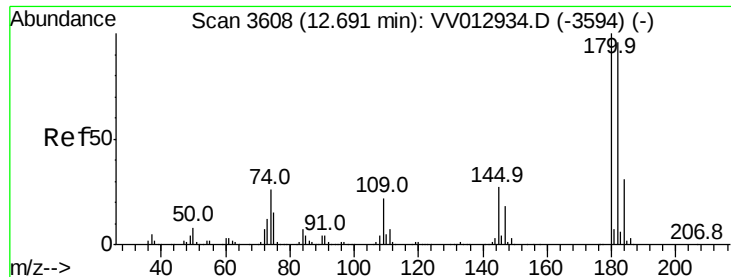
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	31.9	47.9
148	63.9	51.0	76.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 21.322 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. -0.00 min
 Lab File: VV013048.D
 Acq: 04 Oct 2019 15:47

Tgt Ion	Ratio	Lower	Upper
75	100		
157	119.8	91.7	137.5
155	92.6	70.8	106.2

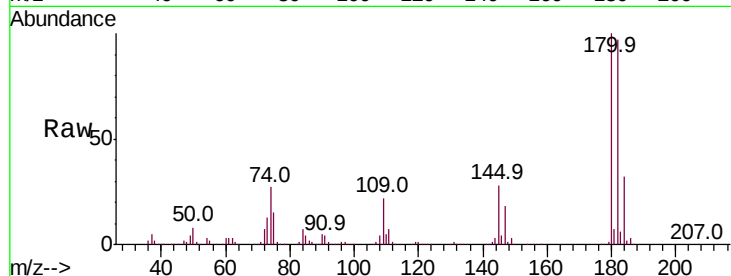




#67
 1,3,5-Trichlorobenzene
 Concen: 25.362 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VV013048.D
 Acq: 04 Oct 2019 15:47

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion:	180	Resp:	512128
Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.4	114.6
184	31.2	24.6	37.0
145	27.7	22.2	33.4



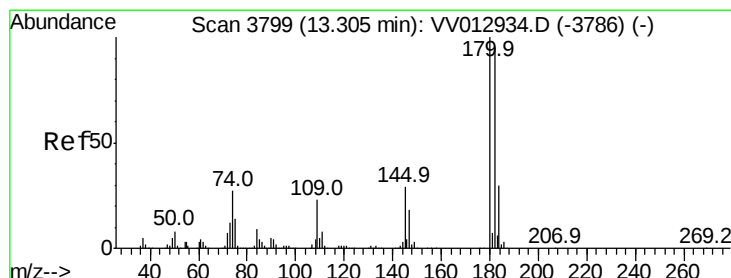
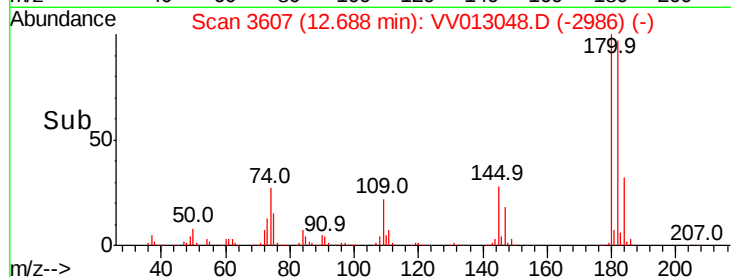
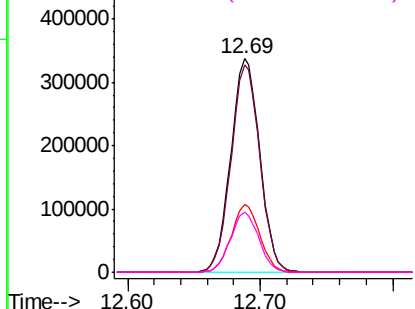
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

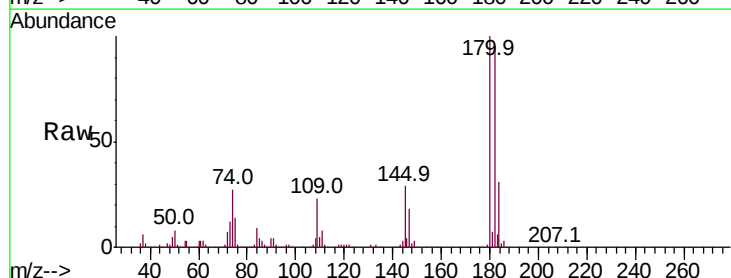
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 24.737 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. -0.00 min
 Lab File: VV013048.D
 Acq: 04 Oct 2019 15:47

Tgt Ion:	180	Resp:	436796
Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.8	115.2
145	28.8	22.6	34.0

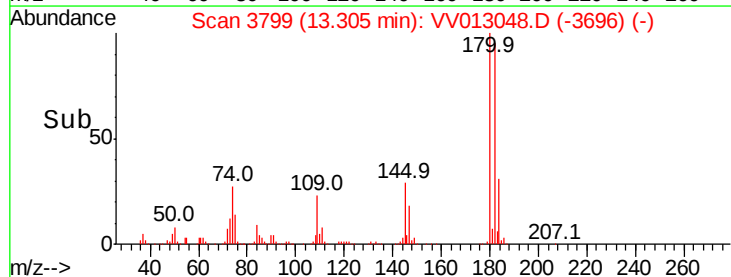
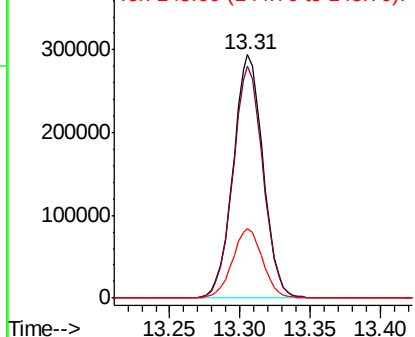


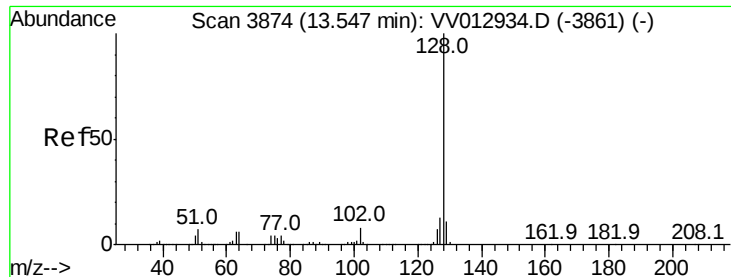
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 24.398 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. -0.00 min

Lab File: VV013048.D

Acq: 04 Oct 2019 15:47

Instrument :

MSVOA_V

ClientSampleId :

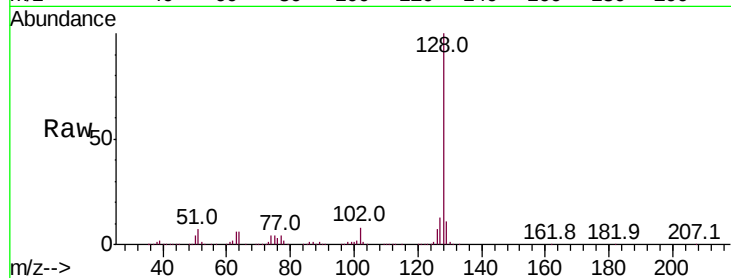
Tot Ion:128 Resp: 866521

Ion Ratio Lower Upper

128 100

129 10.7 8.7 13.1

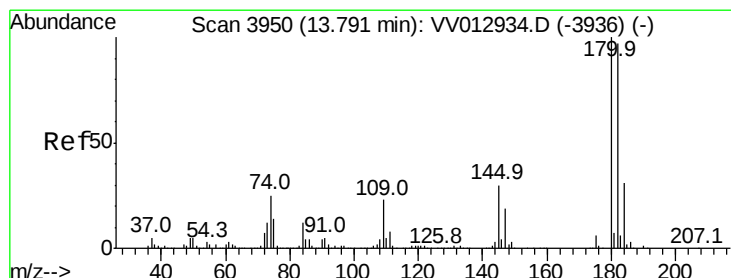
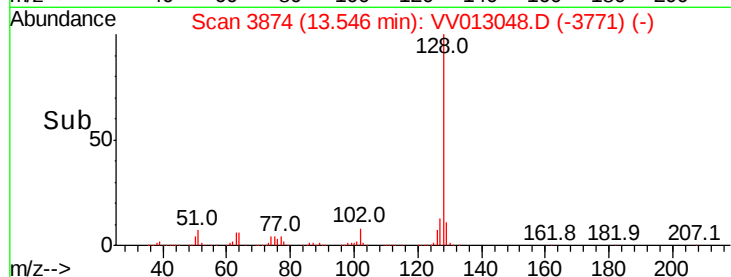
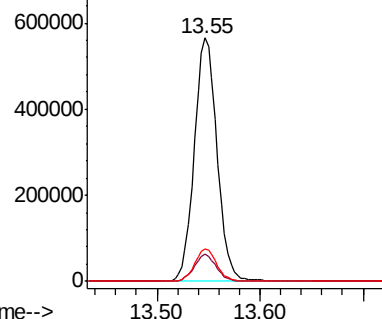
127 13.0 10.2 15.2



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: 24.925 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. -0.00 min

Lab File: VV013048.D

Acq: 04 Oct 2019 15:47

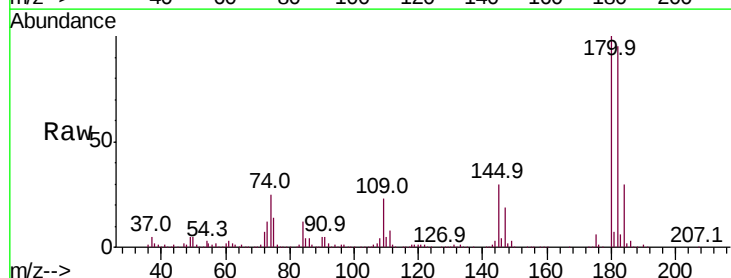
Tgt Ion:180 Resp: 423164

Ion Ratio Lower Upper

180 100

182 94.7 77.4 116.2

145 30.0 23.9 35.9



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

