

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100719\
 Data File : VV013053.D
 Acq On : 07 Oct 2019 15:31
 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 08 16:49:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM092319S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 08 16:45:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	756660	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	737652	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	406740	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	251754	21.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.76%
7) Chloroethane-d5	1.58	69	211907	22.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.28%
10) 1,1-Dichloroethene-d2	2.13	63	471056	24.13	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.52%
20) 2-Butanone-d5	3.94	46	233378	57.57	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	115.14%
24) Chloroform-d	4.40	84	554844	26.69	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	106.76%
26) 1,2-Dichloroethane-d4	5.08	65	313267	25.93	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	103.72%
29) Benzene-d6	5.10	84	1100626	26.72	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	106.88%
33) 1,2-Dichloropropane-d6	6.11	67	346471	26.84	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	107.36%
37) Toluene-d8	7.36	98	1024871	27.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	109.64%
38) trans-1,3-Dichloropropene-	7.66	79	145715	26.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	106.64%
39) 2-Hexanone-d5	8.13	63	167844	64.61	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	129.22%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	341187	27.83	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	111.32%
61) 1,2-Dichlorobenzene-d4	11.67	152	420683	26.62	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	106.48%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	240735	28.890 ug/L	99
3) Chloromethane	1.25	50	283002	26.006 ug/L	99
5) Vinyl chloride	1.32	62	292878	27.260 ug/L	99
6) Bromomethane	1.54	94	179194	26.718 ug/L	100
8) Chloroethane	1.60	64	161901	24.523 ug/L	98
9) Trichlorofluoromethane	1.77	101	403484	27.767 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	251158	27.042 ug/L	98
12) 1,1-Dichloroethene	2.14	96	234603	27.428 ug/L	95
13) Acetone	2.20	43	198627	46.101 ug/L	100
14) Carbon disulfide	2.32	76	696508	25.492 ug/L	100
15) Methyl Acetate	2.46	43	160958	24.086 ug/L	99
16) Methylene chloride	2.53	84	303804	26.862 ug/L	99
17) Methyl tert-butyl Ether	2.80	73	677754	27.005 ug/L	100
18) trans-1,2-Dichloroethene	2.79	96	272570	26.922 ug/L	98
19) 1,1-Dichloroethane	3.23	63	502070	27.174 ug/L	99
21) 2-Butanone	4.02	43	222312	44.337 ug/L	96
22) cis-1,2-Dichloroethene	3.96	96	301335	27.195 ug/L	98

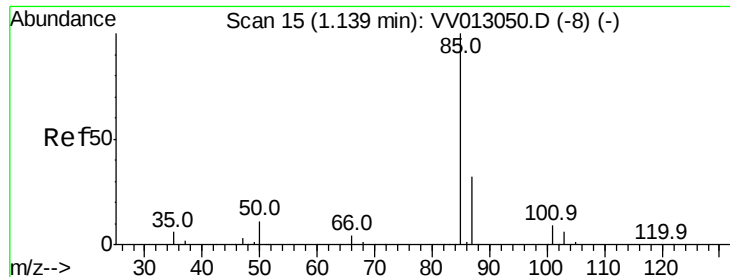
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100719\
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 Quant Title : VOC Analysis
 QLast Update : Tue Oct 08 16:45:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	145351	26.557	ug/L	98
25) Chloroform	4.42	83	515243	26.597	ug/L	100
27) 1,2-Dichloroethane	5.18	62	353811	25.841	ug/L	100
30) Cyclohexane	4.72	56	442600	27.967	ug/L	98
31) 1,1,1-Trichloroethane	4.66	97	413702	28.337	ug/L	99
32) Carbon tetrachloride	4.87	117	368915	27.868	ug/L	98
34) Benzene	5.14	78	1150913	28.030	ug/L	100
35) Trichloroethene	5.96	95	308139	26.939	ug/L	99
36) Methylcyclohexane	6.17	83	493032	28.078	ug/L	99
40) 1,2-Dichloropropane	6.22	63	290281	27.186	ug/L	100
41) Bromodichloromethane	6.55	83	375013	27.420	ug/L	100
42) cis-1,3-Dichloropropene	7.07	75	453400	28.898	ug/L	98
43) 4-Methyl-2-pentanone	7.27	43	467679	53.310	ug/L	99
44) Toluene	7.43	91	1238584	28.601	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	367068	27.798	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	243913	26.907	ug/L	99
47) Tetrachloroethene	8.02	164	257543	27.703	ug/L	99
49) 2-Hexanone	8.18	43	340912	51.553	ug/L	98
50) Dibromochloromethane	8.29	129	283149	27.176	ug/L	99
51) 1,2-Dibromoethane	8.39	107	240619	27.087	ug/L	100
52) Chlorobenzene	8.92	112	821567	27.491	ug/L	98
53) Ethylbenzene	9.05	91	1387180	29.093	ug/L	100
54) m,p-Xylene	9.18	106	540149	29.798	ug/L	98
55) o-xylene	9.59	106	515575	29.851	ug/L	98
56) Styrene	9.60	104	906999	29.846	ug/L	99
57) Isopropylbenzene	9.97	105	1365333	30.079	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	303702	27.084	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	238304	25.748	ug/L	100
62) Bromoform	9.77	173	182479	26.438	ug/L	100
63) 1,3-Dichlorobenzene	11.22	146	692394	27.655	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	699351	26.615	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	647940	27.132	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	51642	24.391	ug/L	96
67) 1,3,5-Trichlorobenzene	12.69	180	548996	28.032	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	472264	27.576	ug/L	100
69) Naphthalene	13.55	128	940899	27.316	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	452583	27.487	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 28.890 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV013053.D

Acq: 07 Oct 2019 15:31

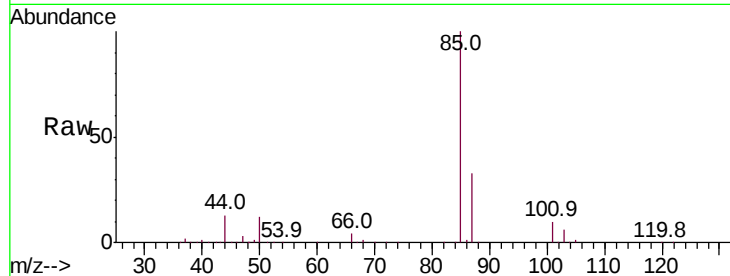
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 85 Resp: 240735

Ion Ratio Lower Upper

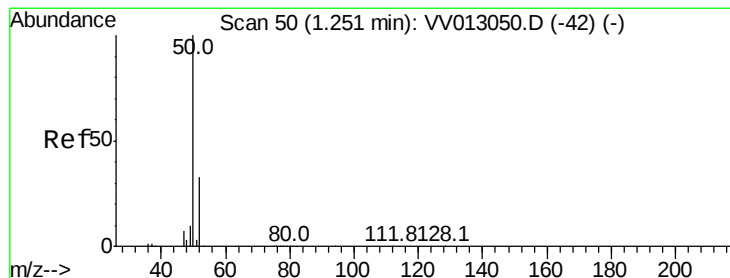
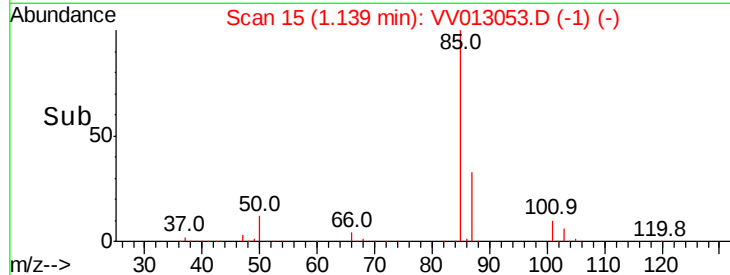
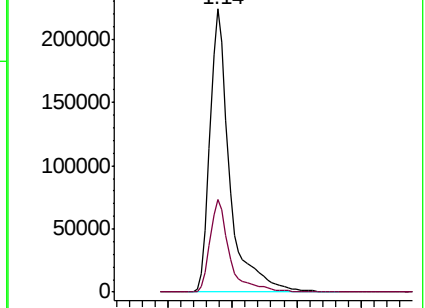
85 100

87 32.4 23.2 43.0



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 26.006 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV013053.D

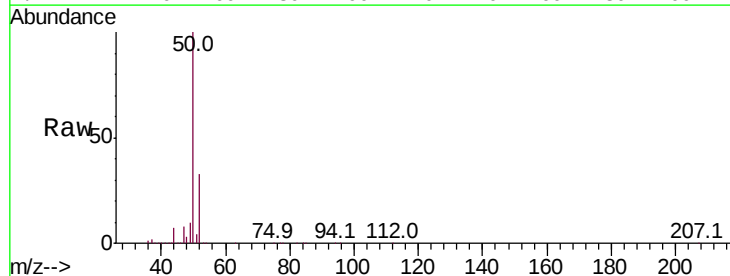
Acq: 07 Oct 2019 15:31

Tgt Ion: 50 Resp: 283002

Ion Ratio Lower Upper

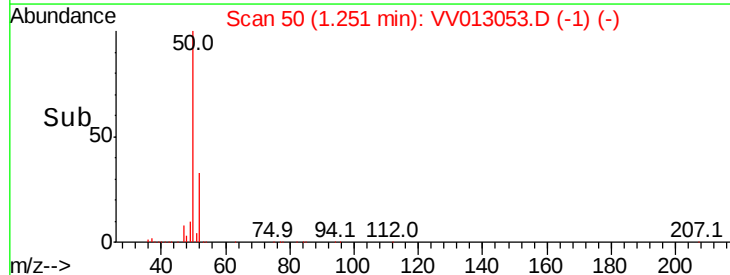
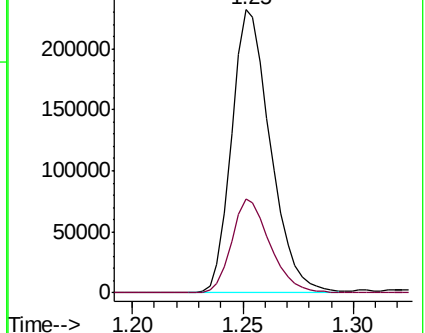
50 100

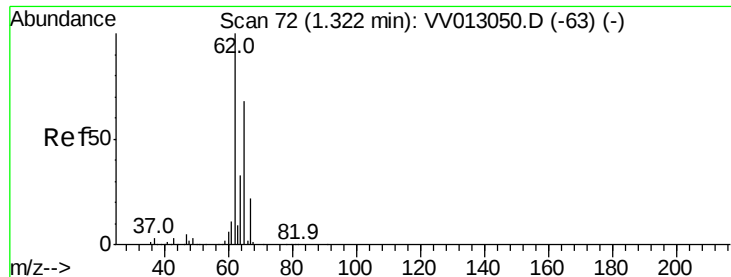
52 33.1 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 27.260 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV013053.D

Acq: 07 Oct 2019 15:31

Instrument :

MSVOA_V

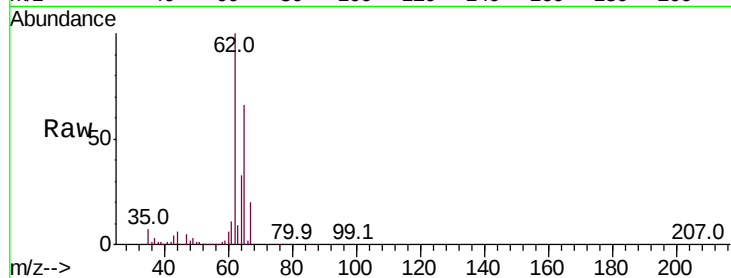
ClientSampleId :

Tot Ion: 62 Resp: 292878

Ion Ratio Lower Upper

62 100

64 32.9 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

250000

200000

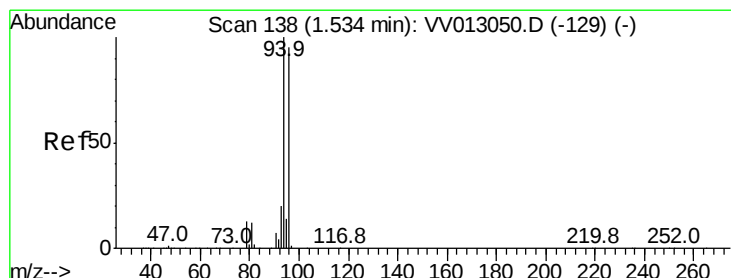
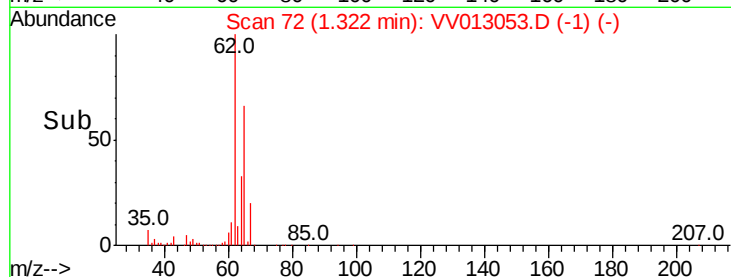
150000

100000

50000

0

Time--> 1.25 1.30 1.35 1.40



#6

Bromomethane

Concen: 26.718 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV013053.D

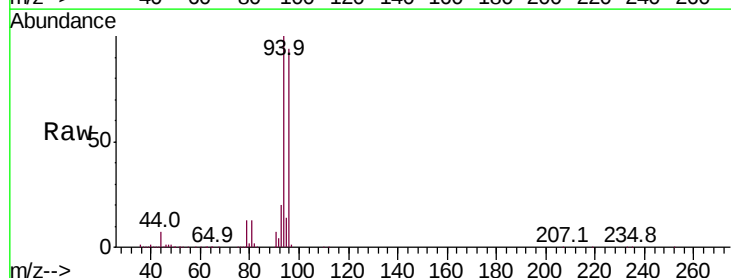
Acq: 07 Oct 2019 15:31

Tgt Ion: 94 Resp: 179194

Ion Ratio Lower Upper

94 100

96 93.5 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

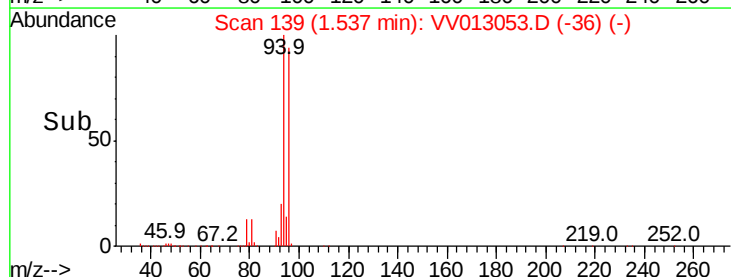
150000

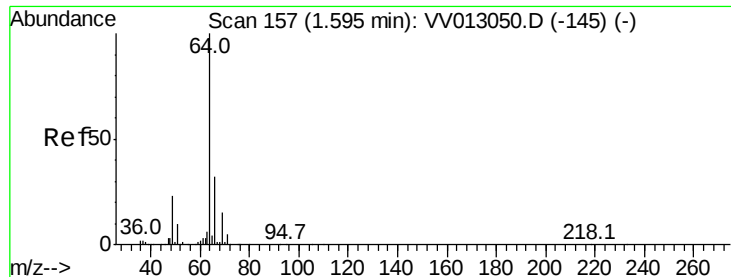
100000

50000

0

Time--> 1.50 1.55 1.60





#8

Chloroethane

Concen: 24.523 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV013053.D

Acq: 07 Oct 2019 15:31

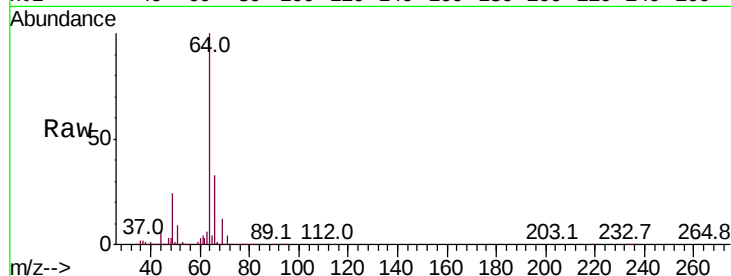
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 161901

Ion Ratio Lower Upper

64 100

66 32.9 22.2 41.2



Abundance Ion 64.00 (63.70 to 64.70): VV013050.D (-145) (-)

Ion 66.00 (65.70 to 66.70): VV013050.D (-145) (-)

1.60

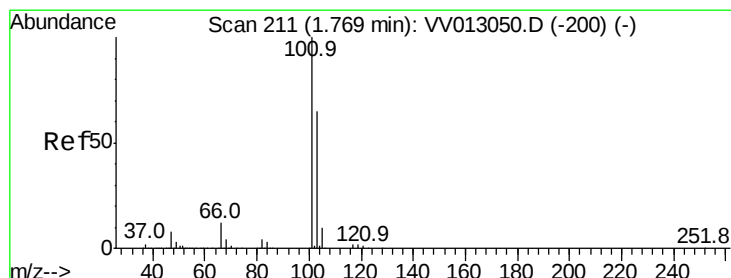
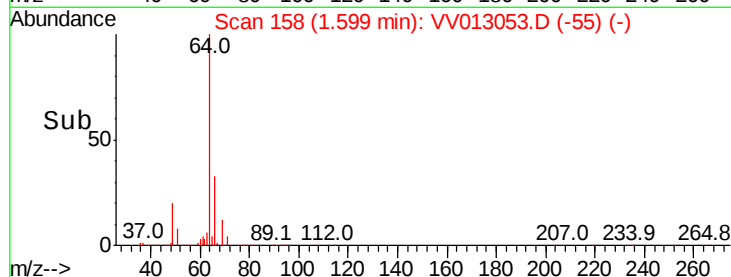
150000

100000

50000

0

Time-->



#9

Trichlorofluoromethane

Concen: 27.767 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.00 min

Lab File: VV013053.D

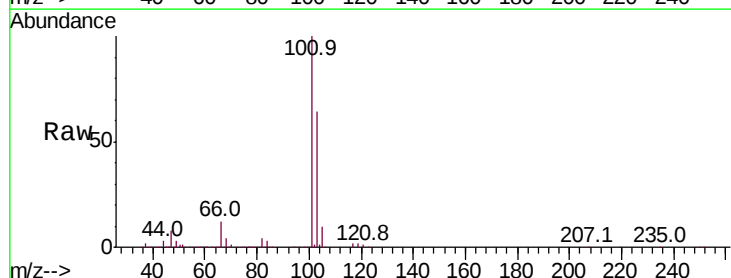
Acq: 07 Oct 2019 15:31

Tgt Ion: 101 Resp: 403484

Ion Ratio Lower Upper

101 100

103 64.8 45.1 83.9



Abundance Ion 101.00 (100.70 to 101.70): VV013050.D (-200) (-)

Ion 103.00 (102.70 to 103.70): VV013050.D (-200) (-)

1.77

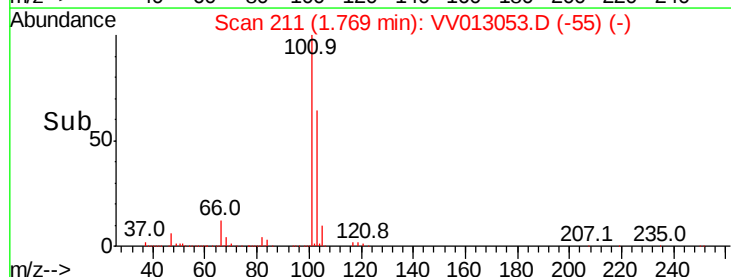
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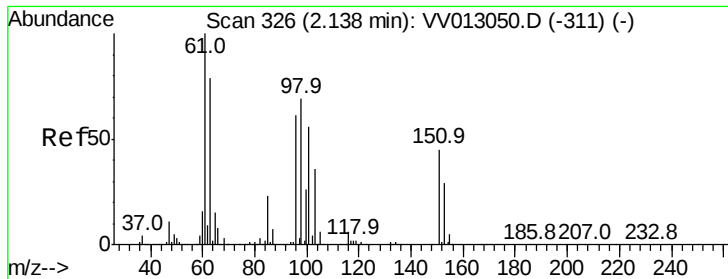
200000

100000

0

Time-->





#11

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

Concen: 27.042 ug/L

RT: 2.14 min Scan# 326

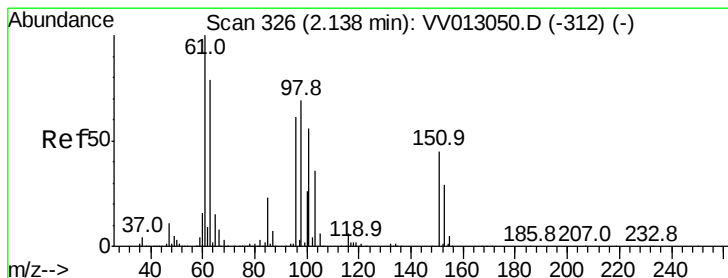
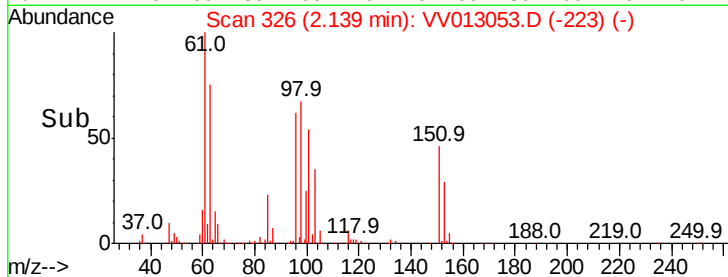
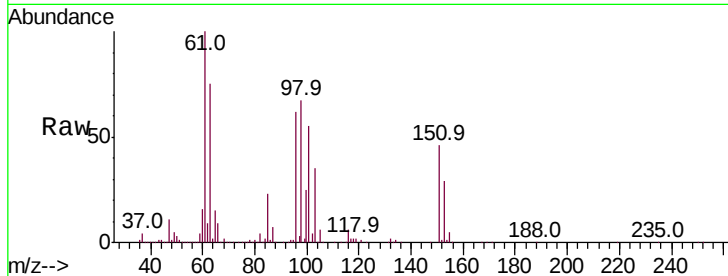
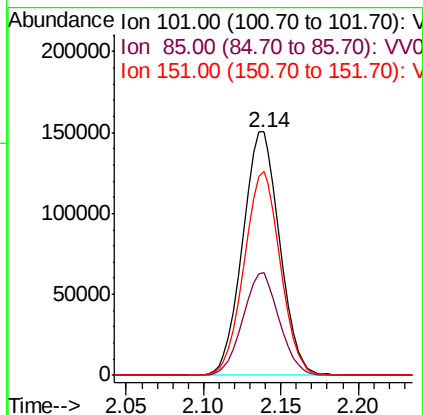
Delta R.T. 0.00 min

Lab File: VV013053.D

Acq: 07 Oct 2019 15:31

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	101	Resp:	251158
Ion	Ratio	Lower	Upper
101	100		
85	41.4	32.6	49.0
151	81.9	64.2	96.4



#12

1,1-Dichloroethene

Concen: 27.428 ug/L

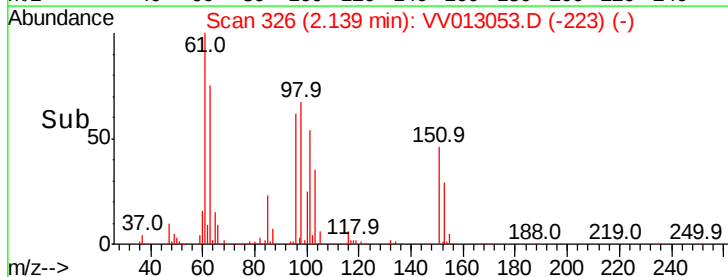
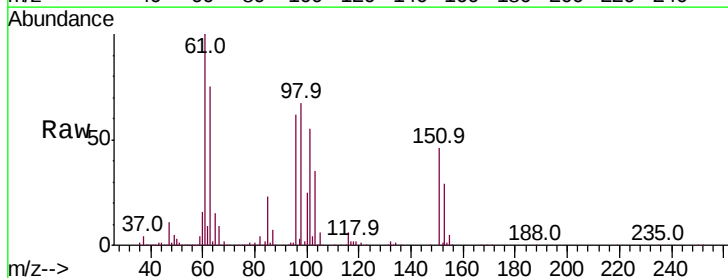
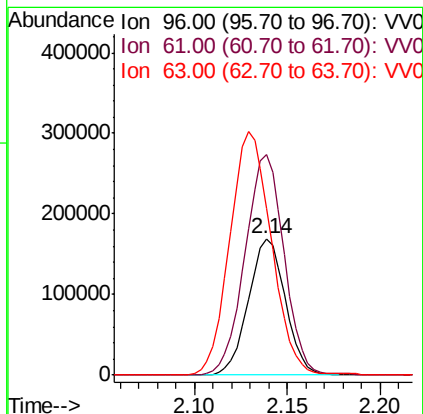
RT: 2.14 min Scan# 326

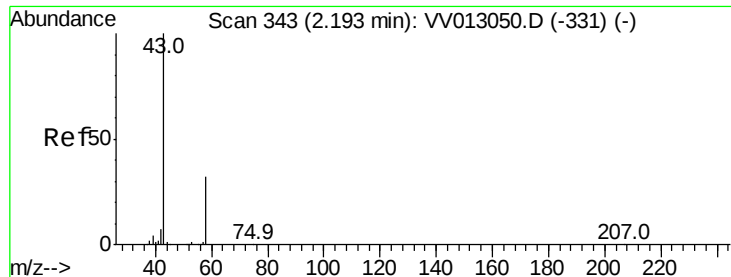
Delta R.T. 0.00 min

Lab File: VV013053.D

Acq: 07 Oct 2019 15:31

Tgt Ion:	96	Resp:	234603
Ion	Ratio	Lower	Upper
96	100		
61	161.7	117.2	217.8
63	122.1	89.6	166.4





#13

Acetone

Concen: 46.101 ug/L

RT: 2.20 min Scan# 346

Delta R.T. 0.00 min

Lab File: VV013053.D

Acq: 07 Oct 2019 15:31

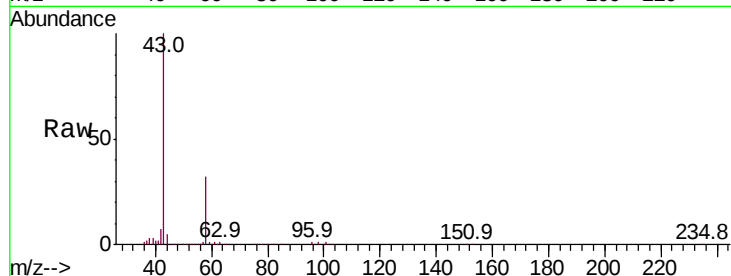
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 198627

Ion Ratio Lower Upper

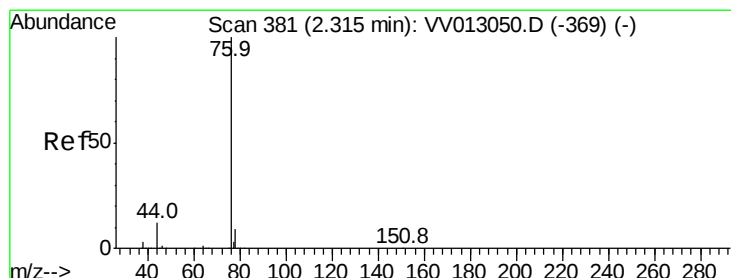
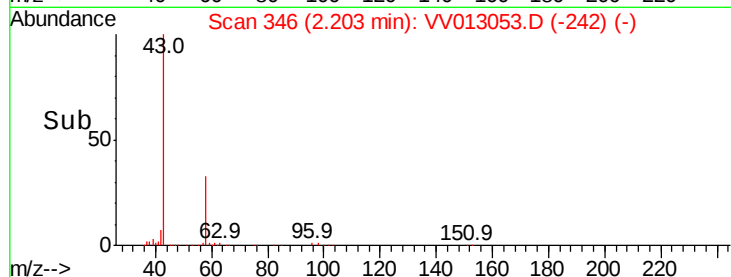
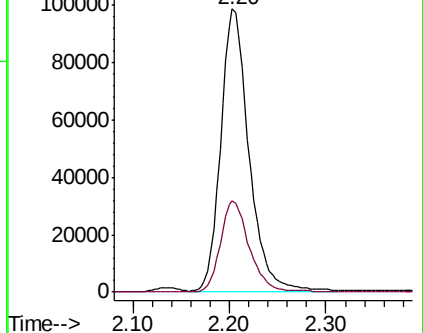
43 100

58 32.7 0.0 65.0



Abundance Ion 43.00 (42.70 to 43.70): VV013053.D (-346) (-)

Ion 58.00 (57.70 to 58.70): VV013053.D (-346) (-)



#14

Carbon disulfide

Concen: 25.492 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV013053.D

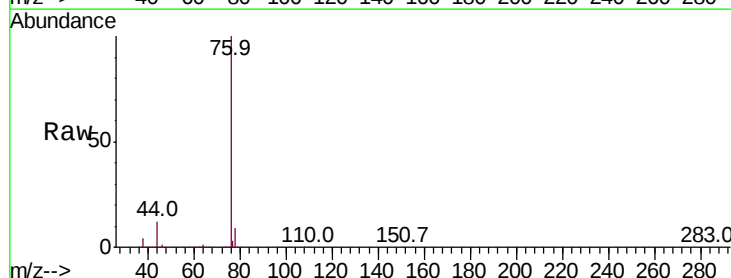
Acq: 07 Oct 2019 15:31

Tgt Ion: 76 Resp: 696508

Ion Ratio Lower Upper

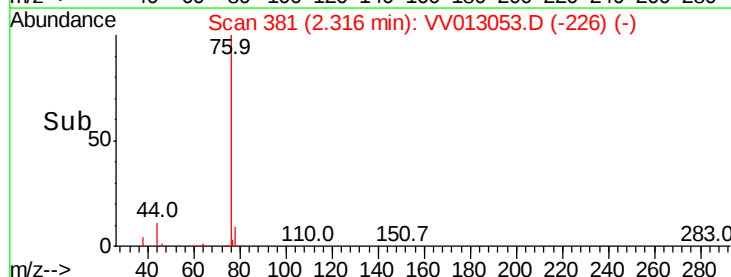
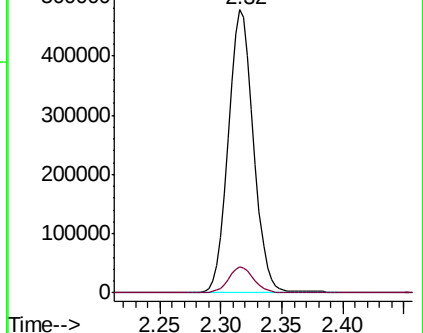
76 100

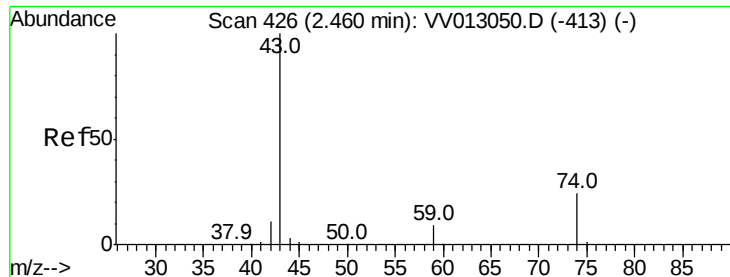
78 9.1 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VV013053.D (-381) (-)

Ion 78.00 (77.70 to 78.70): VV013053.D (-381) (-)

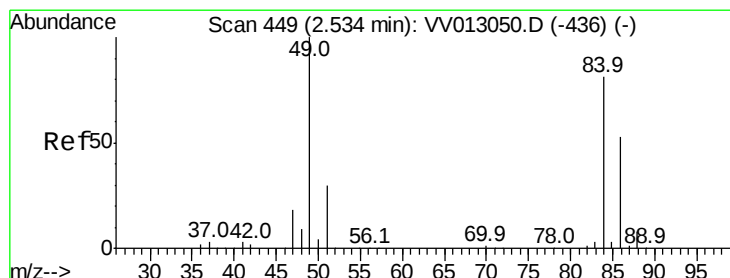
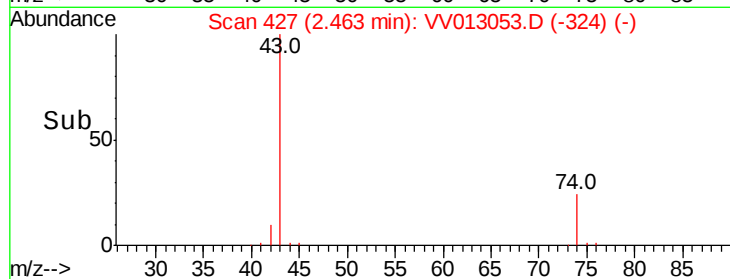
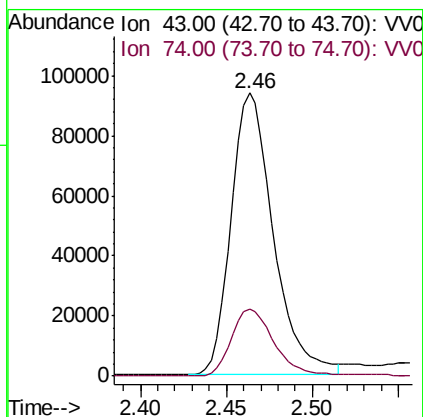
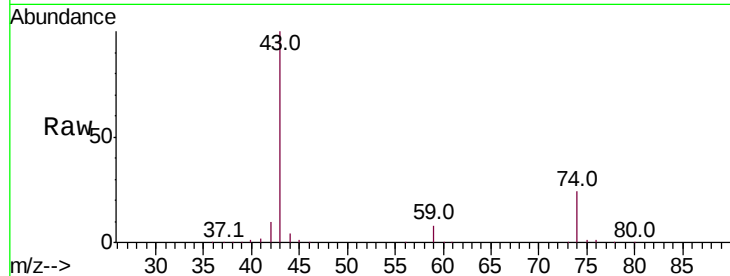




#15
Methvl Acetate
Concen: 24.086 ug/L
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VV013053.D
Acq: 07 Oct 2019 15:31

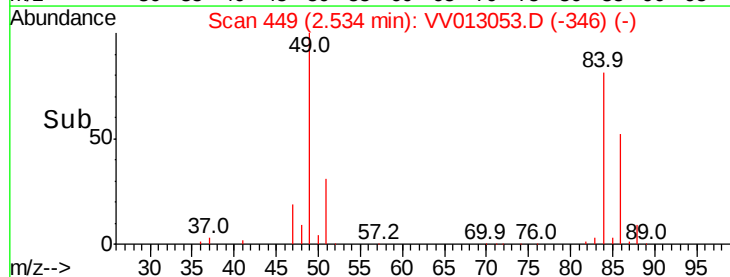
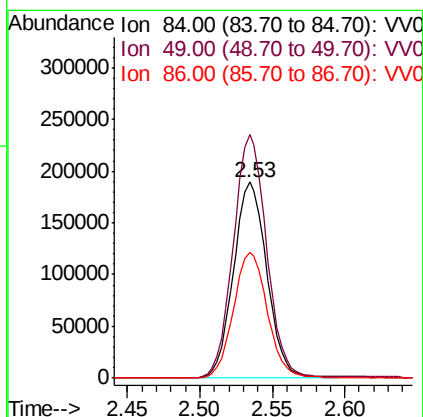
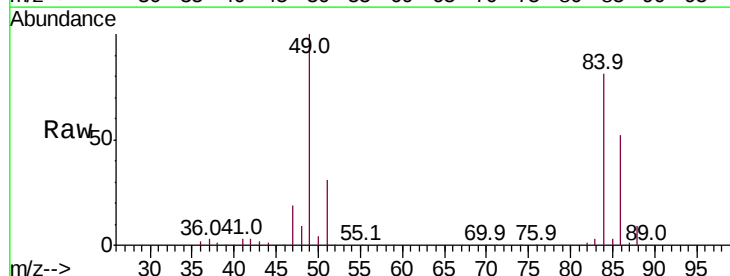
Instrument :
MSVOA_V
ClientSampleId :

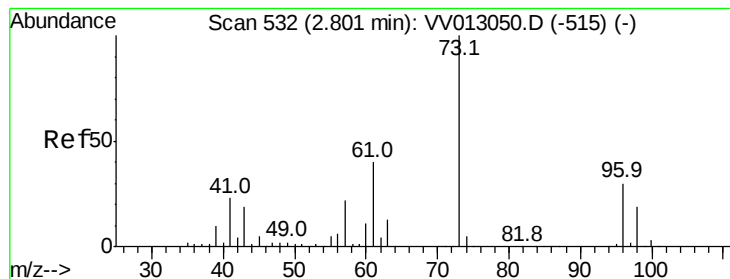
Tot Ion: 43 Resp: 160958
Ion Ratio Lower Upper
43 100
74 24.0 18.8 28.2



#16
Methylene chloride
Concen: 26.862 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV013053.D
Acq: 07 Oct 2019 15:31

Tgt Ion: 84 Resp: 303804
Ion Ratio Lower Upper
84 100
49 124.1 88.3 164.1
86 64.4 44.9 83.3



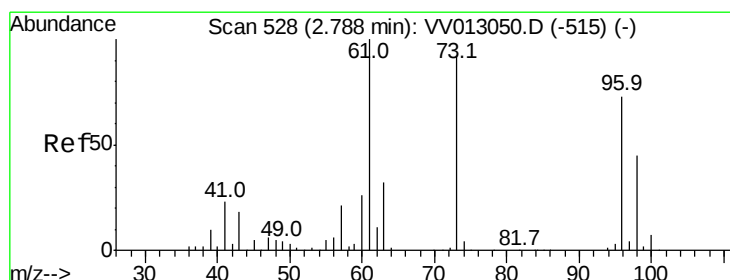
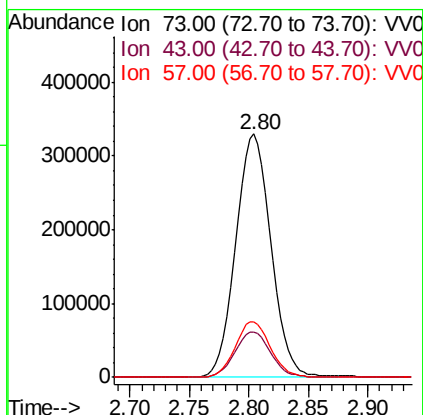
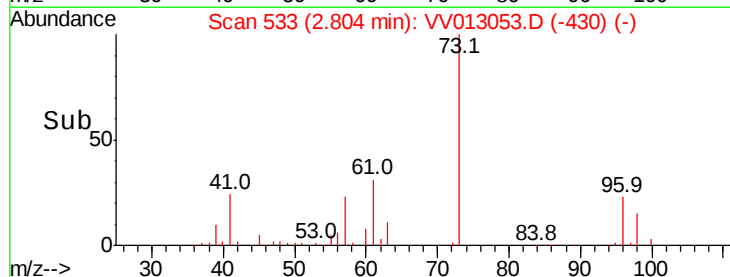
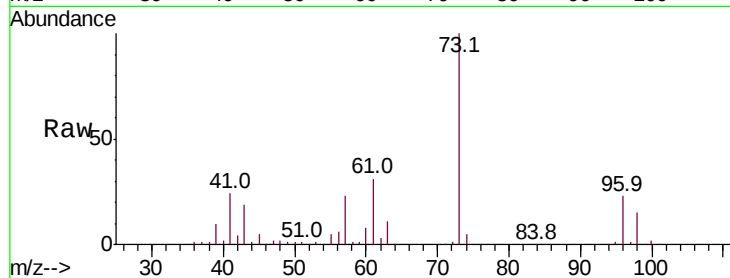


#17

Methvl tert-butvl Ether
 Concen: 27.005 ug/L
 RT: 2.80 min Scan# 533
 Delta R.T. 0.00 min
 Lab File: VV013053.D
 Acq: 07 Oct 2019 15:31

Instrument :
 MSVOA_V
 ClientSampleId :

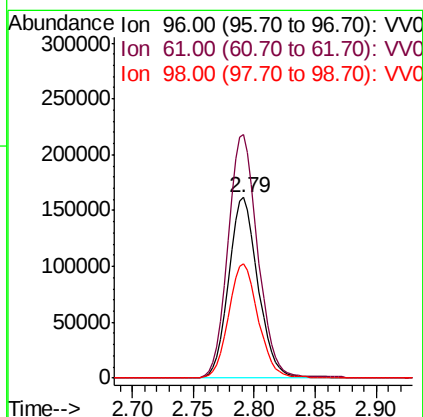
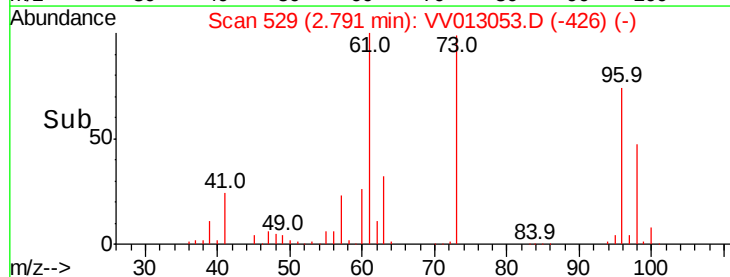
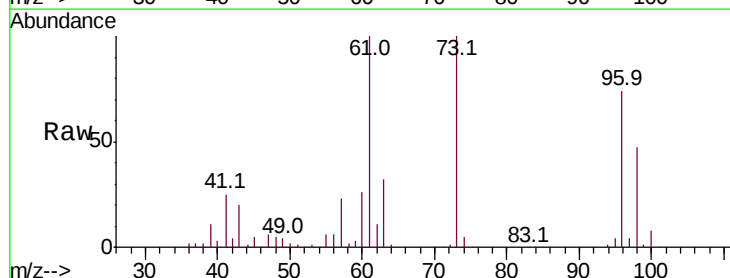
Tot Ion: 73 Resp: 677754
 Ion Ratio Lower Upper
 73 100
 43 18.8 15.0 22.6
 57 22.8 18.3 27.5

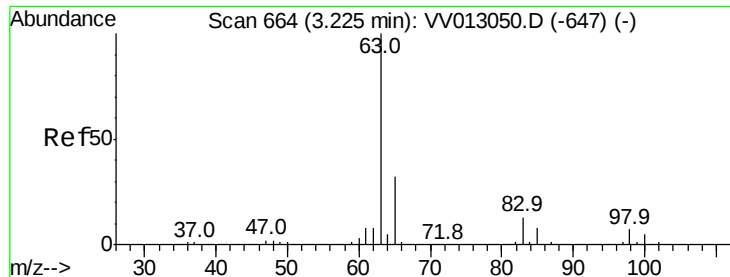


#18

trans-1,2-Dichloroethene
 Concen: 26.922 ug/L
 RT: 2.79 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VV013053.D
 Acq: 07 Oct 2019 15:31

Tgt Ion: 96 Resp: 272570
 Ion Ratio Lower Upper
 96 100
 61 135.1 96.8 179.8
 98 63.6 44.8 83.2

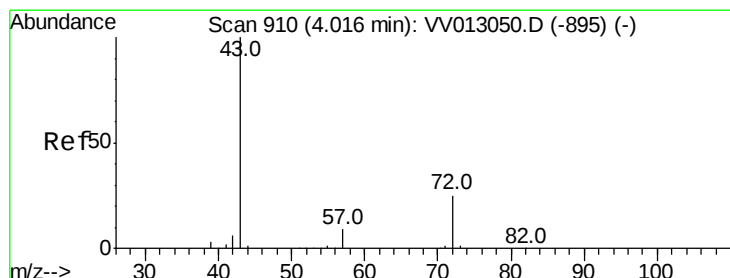
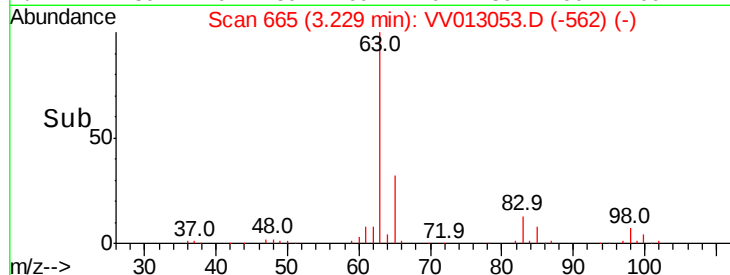
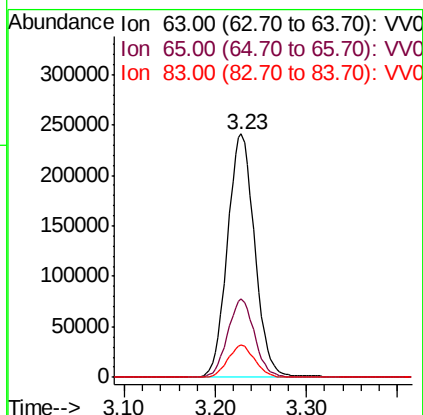
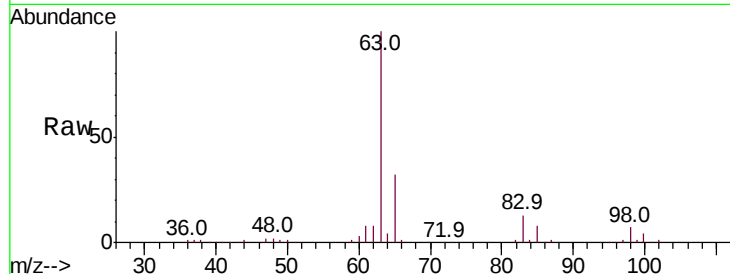




#19
 1,1-Dichloroethane
 Concen: 27.174 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV013053.D
 Acq: 07 Oct 2019 15:31

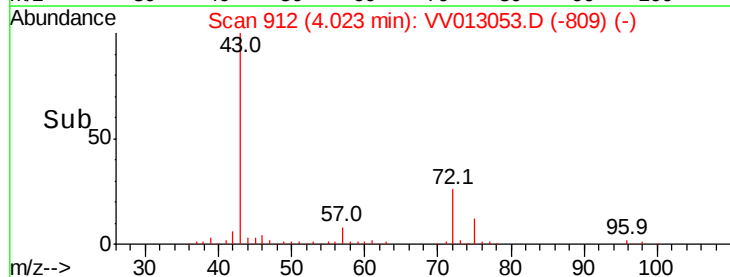
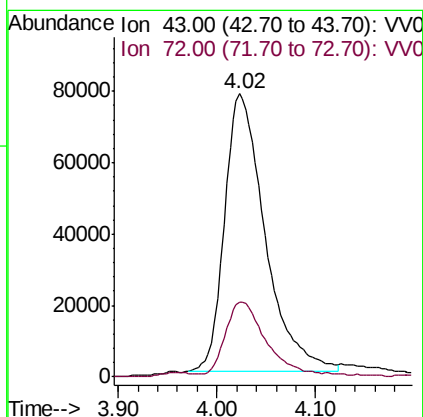
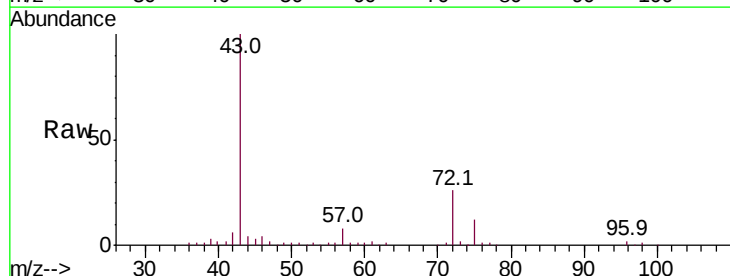
Instrument :
 MSVOA_V
 ClientSampleId :

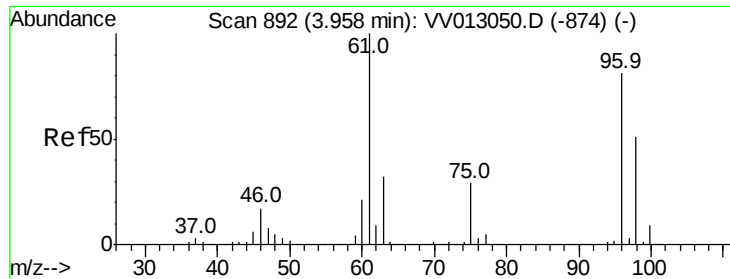
Tot Ion: 63 Resp: 502070
 Ion Ratio Lower Upper
 63 100
 65 32.0 22.0 41.0
 83 13.2 9.2 17.0



#21
 2-Butanone
 Concen: 44.337 ug/L
 RT: 4.02 min Scan# 912
 Delta R.T. 0.00 min
 Lab File: VV013053.D
 Acq: 07 Oct 2019 15:31

Tgt Ion: 43 Resp: 222312
 Ion Ratio Lower Upper
 43 100
 72 25.8 11.9 35.9



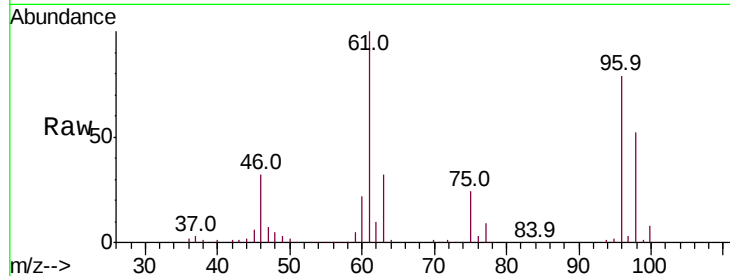


#22

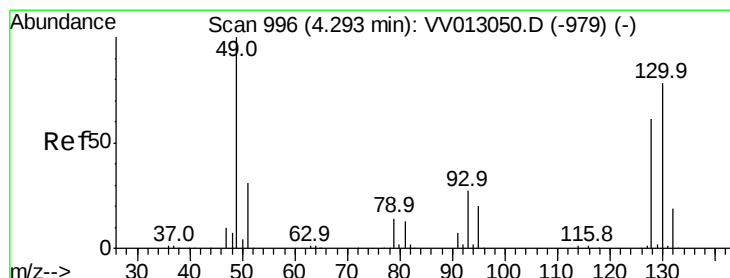
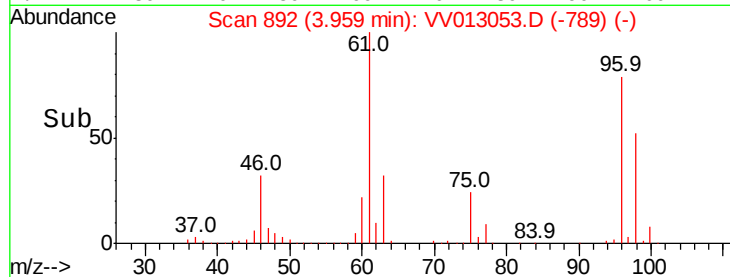
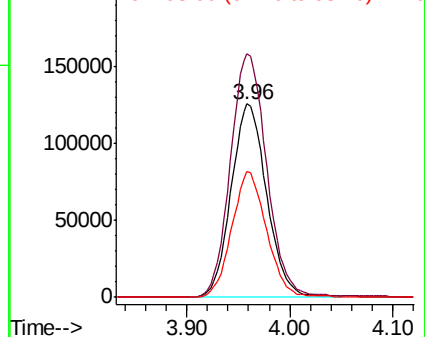
cis-1,2-Dichloroethene
Concen: 27.195 ug/L
RT: 3.96 min Scan# 892
Delta R.T. 0.00 min
Lab File: VV013053.D
Acq: 07 Oct 2019 15:31

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 96 Resp: 301335
Ion Ratio Lower Upper
96 100
61 126.1 90.9 168.7
98 65.0 45.6 84.6



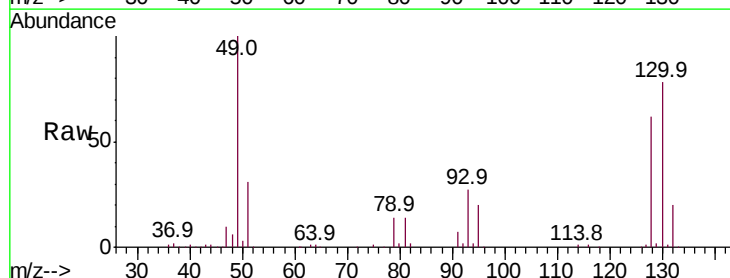
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0



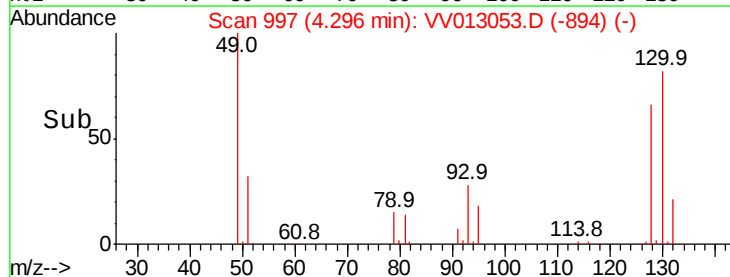
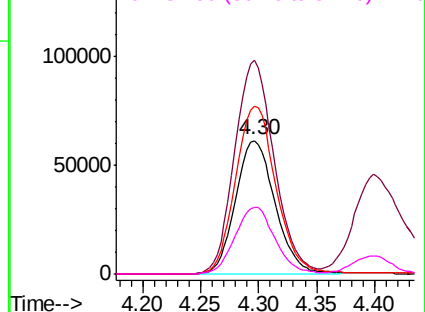
#23

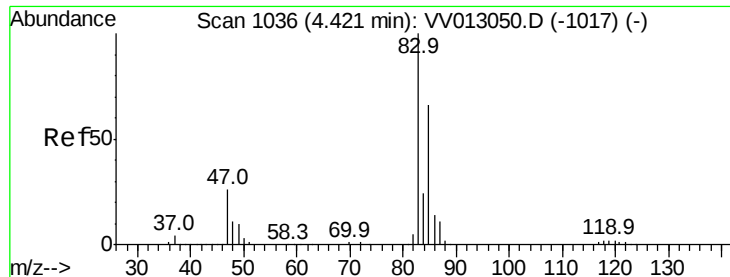
Bromochloromethane
Concen: 26.557 ug/L
RT: 4.30 min Scan# 997
Delta R.T. 0.00 min
Lab File: VV013053.D
Acq: 07 Oct 2019 15:31

Tgt Ion: 128 Resp: 145351
Ion Ratio Lower Upper
128 100
49 160.2 114.4 212.6
130 125.7 88.5 164.4
51 50.4 41.4 62.2



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VV0
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VV0

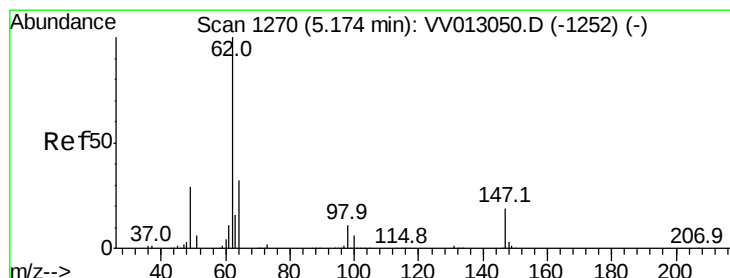
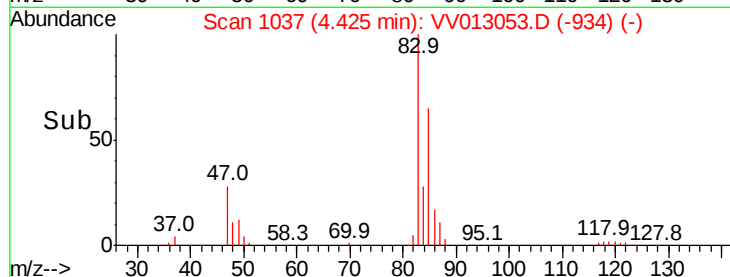
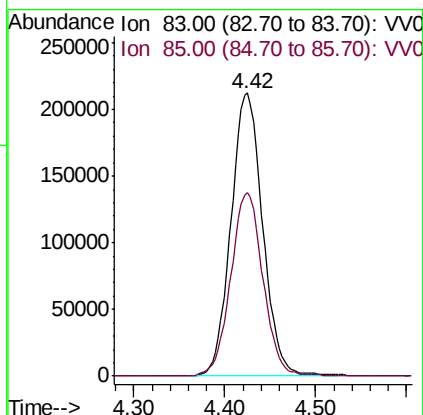
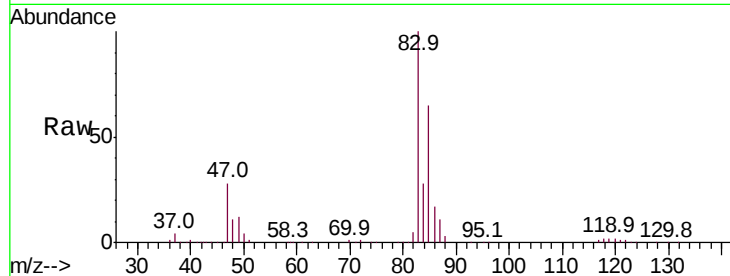




#25
Chloroform
Concen: 26.597 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV013053.D
Acq: 07 Oct 2019 15:31

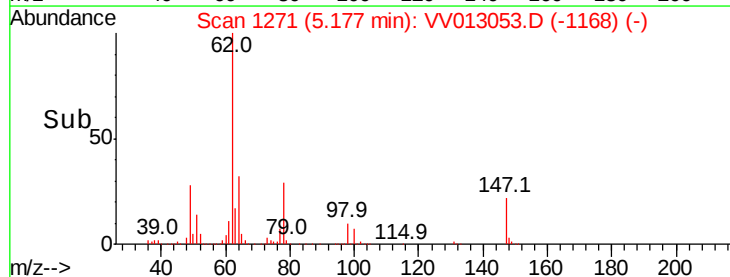
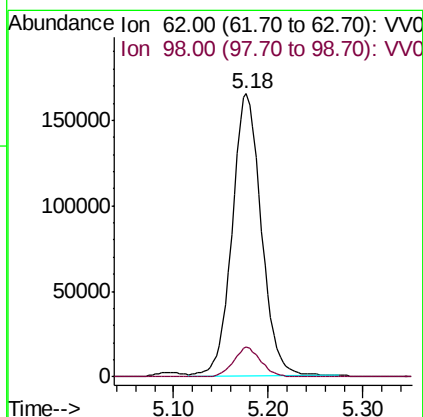
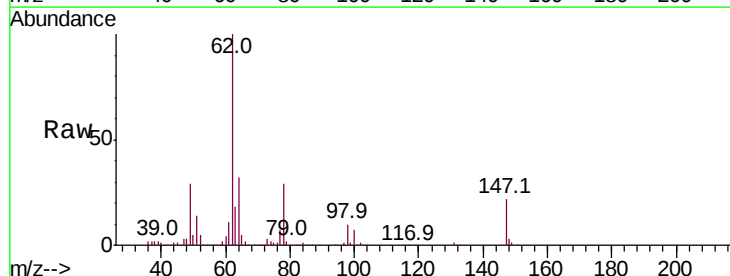
Instrument :
MSVOA_V
ClientSampleId :

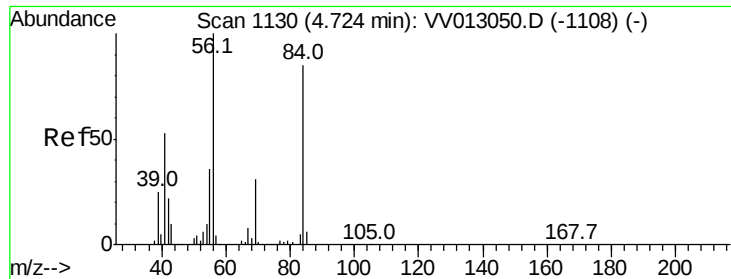
Tot Ion: 83 Resp: 515243
Ion Ratio Lower Upper
83 100
85 65.8 45.8 85.0



#27
1,2-Dichloroethane
Concen: 25.841 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VV013053.D
Acq: 07 Oct 2019 15:31

Tgt Ion: 62 Resp: 353811
Ion Ratio Lower Upper
62 100
98 10.4 8.2 12.4

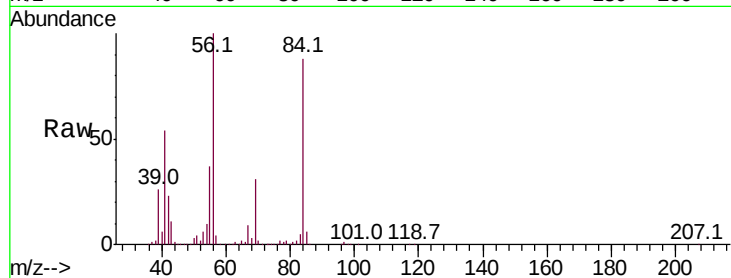




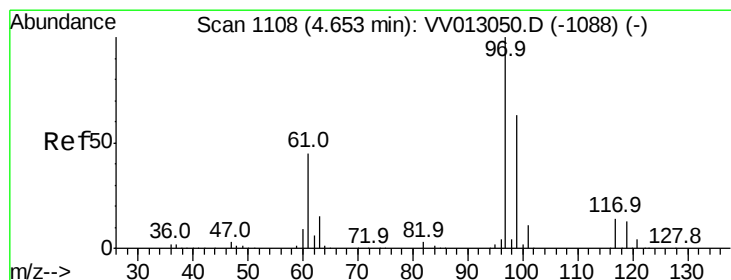
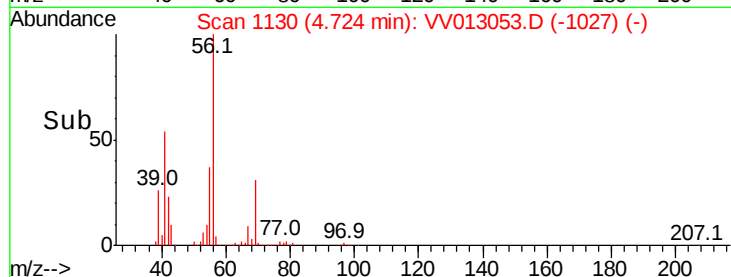
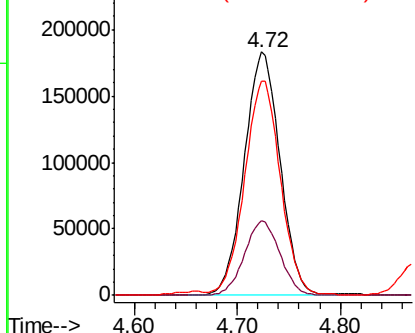
#30
Cvclohexane
Concen: 27.967 ug/L
RT: 4.72 min Scan# 1130
Delta R.T. 0.00 min
Lab File: VV013053.D
Acq: 07 Oct 2019 15:31

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 56 Resp: 442600
Ion Ratio Lower Upper
56 100
69 30.2 23.8 35.8
84 87.9 68.4 102.6

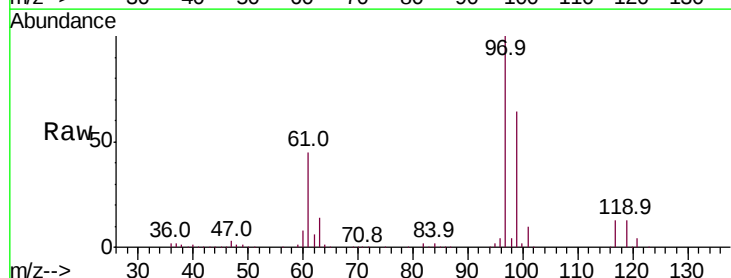


Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0

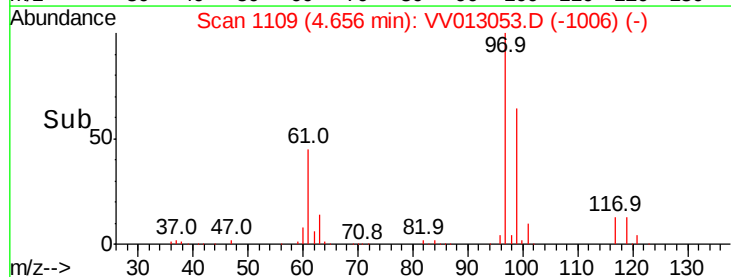
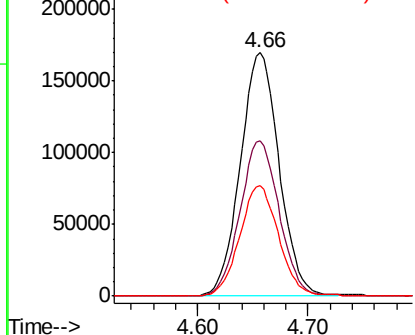


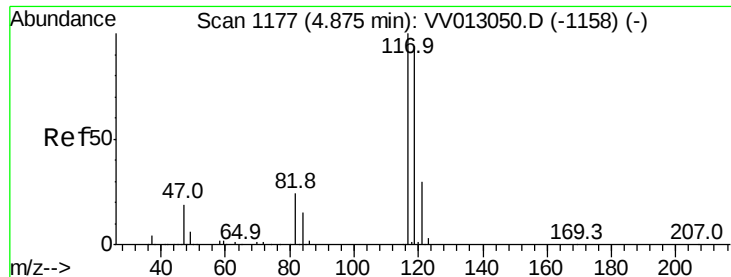
#31
1,1,1-Trichloroethane
Concen: 28.337 ug/L
RT: 4.66 min Scan# 1109
Delta R.T. 0.00 min
Lab File: VV013053.D
Acq: 07 Oct 2019 15:31

Tgt Ion: 97 Resp: 413702
Ion Ratio Lower Upper
97 100
99 64.2 51.7 77.5
61 45.5 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: 27.868 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV013053.D

Acq: 07 Oct 2019 15:31

Instrument :

MSVOA_V

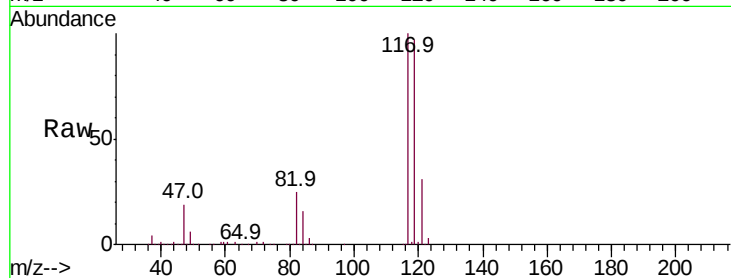
ClientSampleId :

Tot Ion:117 Resp: 368915

Ion Ratio Lower Upper

117 100

119 96.5 76.0 114.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

150000

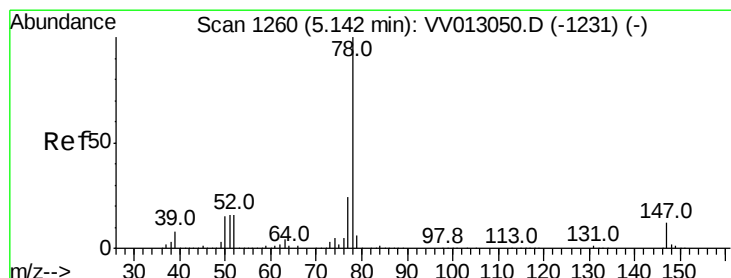
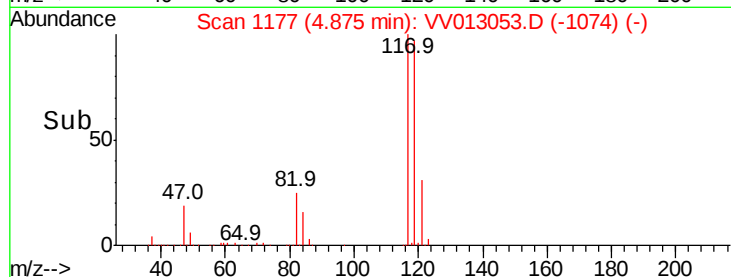
100000

50000

0

4.80 4.90 5.00

Time-->



#34

Benzene

Concen: 28.030 ug/L

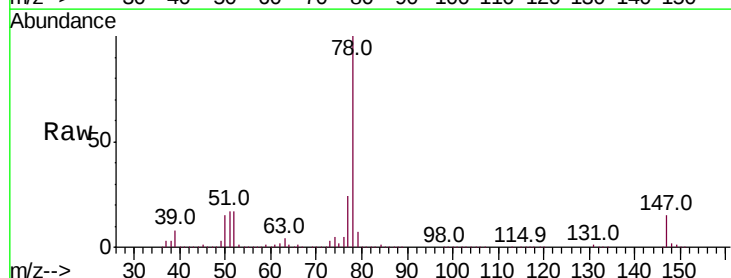
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VV013053.D

Acq: 07 Oct 2019 15:31

Tgt Ion: 78 Resp: 1150913



Abundance Ion 78.00 (77.70 to 78.70): VV0

600000

500000

400000

300000

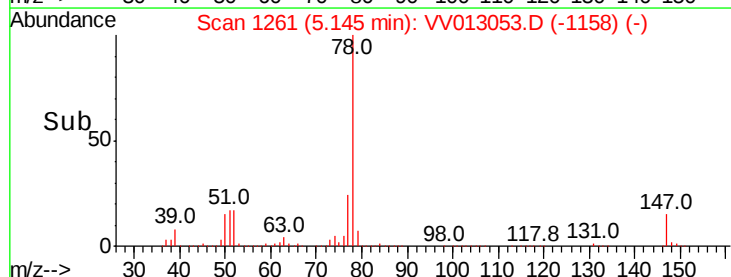
200000

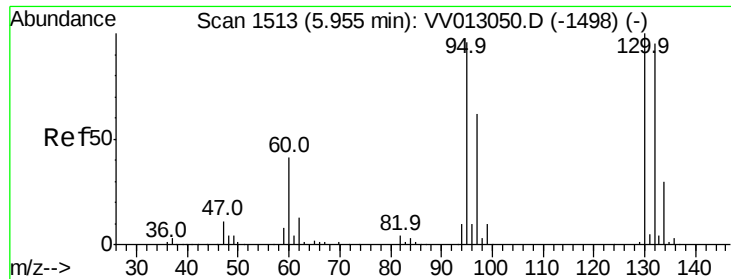
100000

0

5.00 5.10 5.20 5.30

Time-->

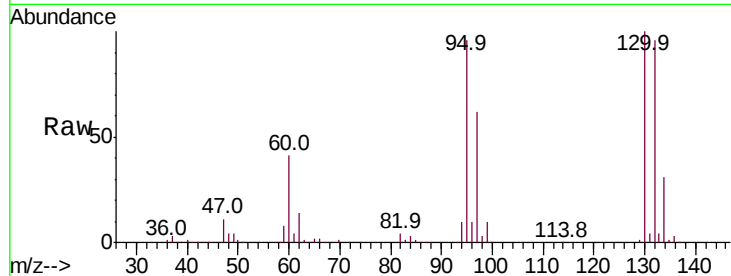




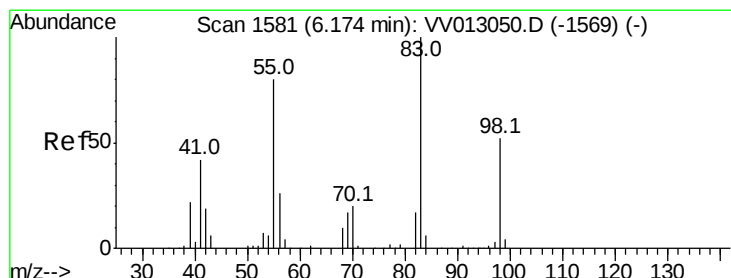
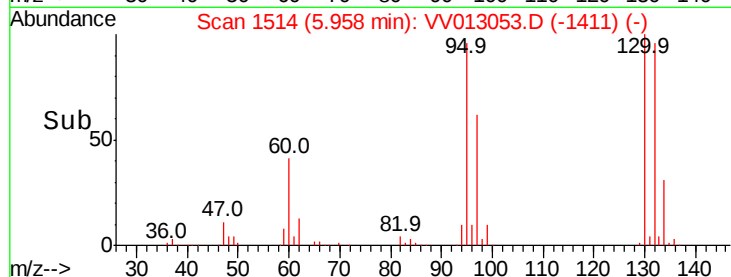
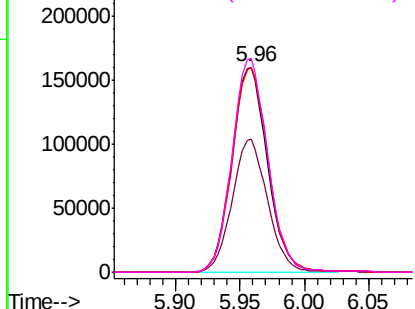
#35
 Trichloroethene
 Concen: 26.939 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV013053.D
 Acq: 07 Oct 2019 15:31

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 95 Resp: 308139
 Ion Ratio Lower Upper
 95 100
 97 64.5 44.7 82.9
 132 100.6 70.1 130.1
 130 104.2 73.3 136.1

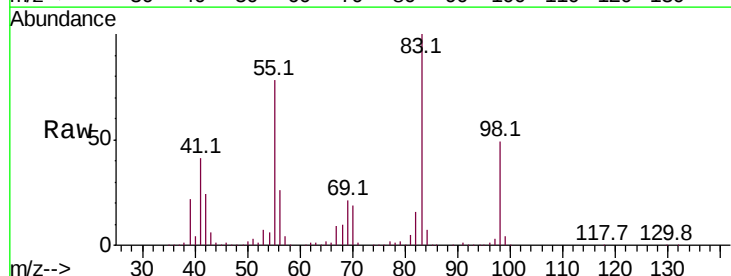


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

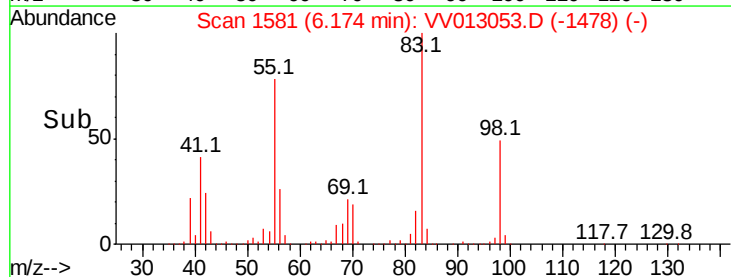
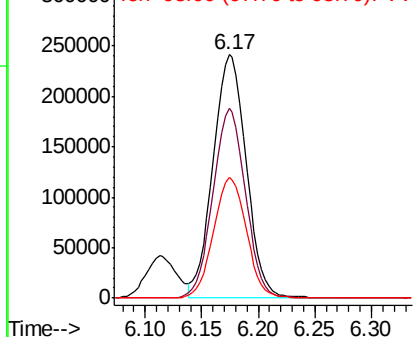


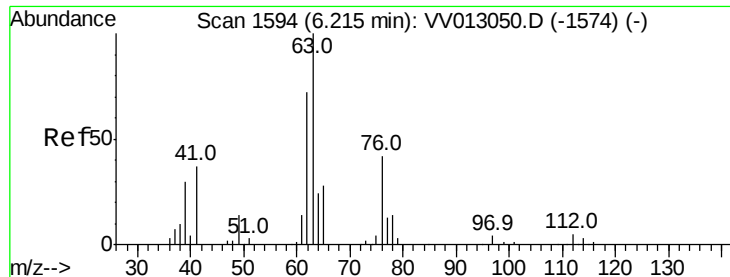
#36
 Methylcyclohexane
 Concen: 28.078 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: VV013053.D
 Acq: 07 Oct 2019 15:31

Tgt Ion: 83 Resp: 493032
 Ion Ratio Lower Upper
 83 100
 55 76.4 61.8 92.8
 98 49.0 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: 27.186 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VV013053.D

Acq: 07 Oct 2019 15:31

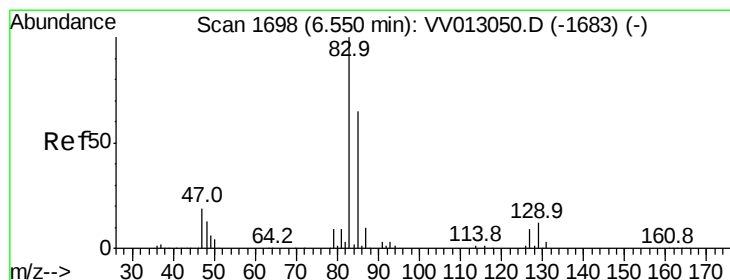
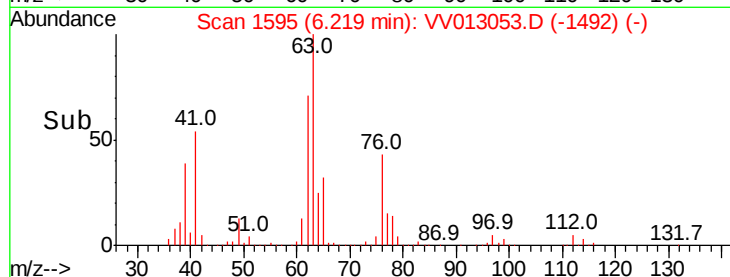
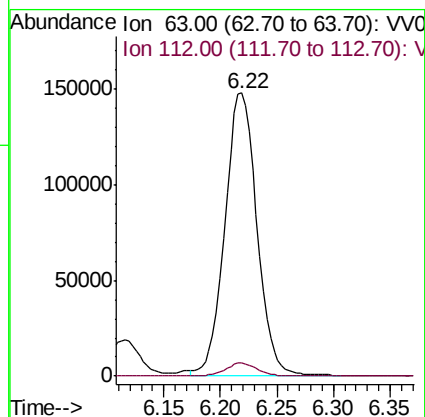
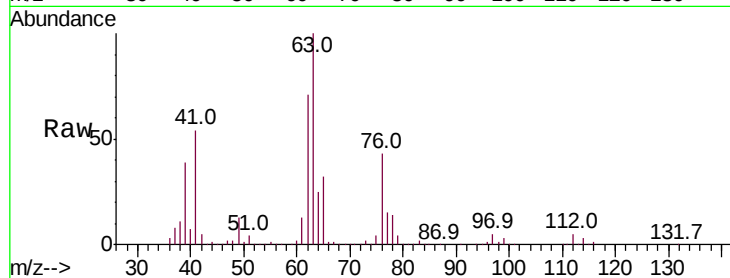
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 63 Resp: 290281

Ion Ratio Lower Upper

63 100

112 4.7 3.8 5.6



#41

Bromodichloromethane

Concen: 27.420 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VV013053.D

Acq: 07 Oct 2019 15:31

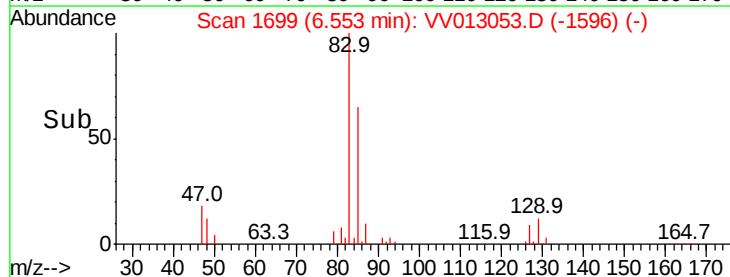
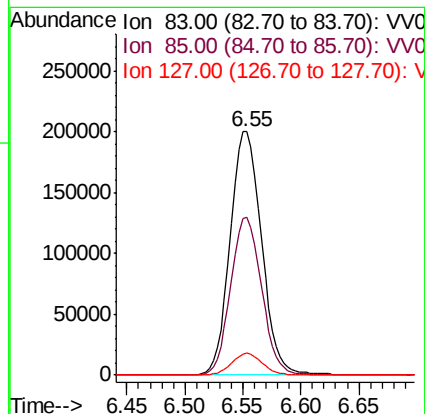
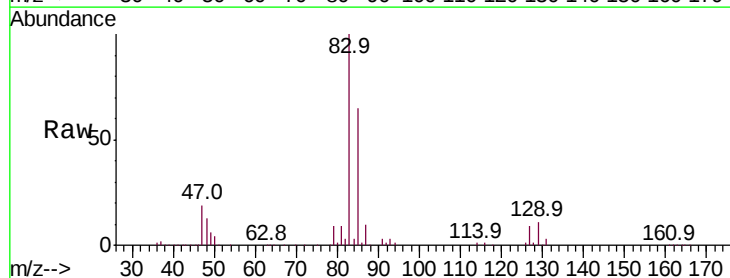
Tgt Ion: 83 Resp: 375013

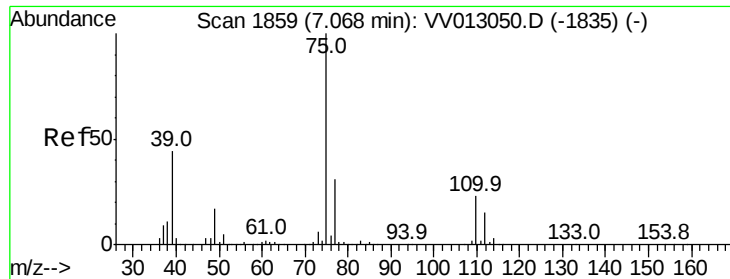
Ion Ratio Lower Upper

83 100

85 64.9 45.3 84.1

127 8.9 7.2 10.8



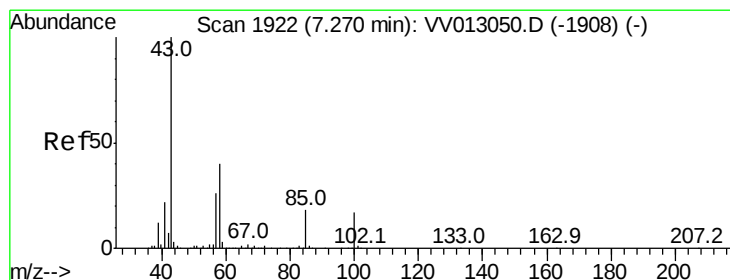
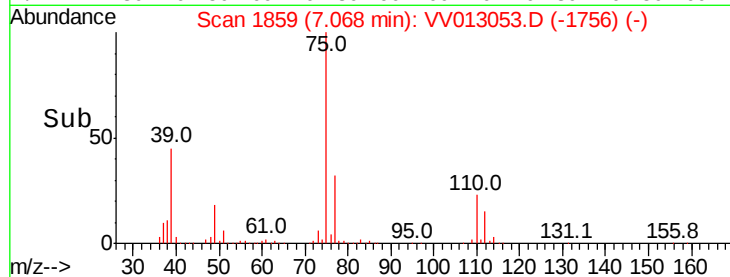
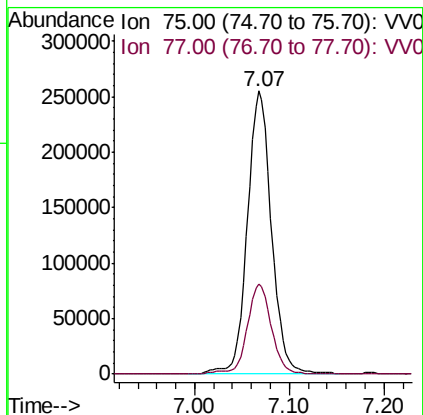
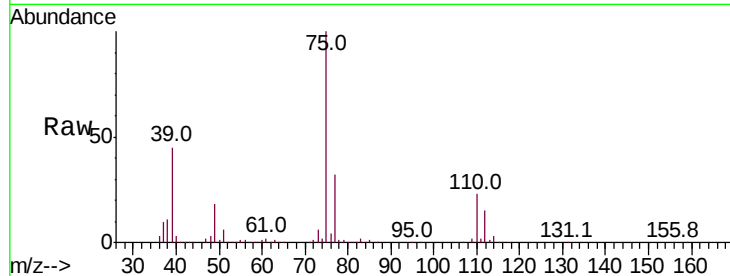


#42

cis-1,3-Dichloropropene
Concen: 28.898 ug/L
RT: 7.07 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VV013053.D
Acq: 07 Oct 2019 15:31

Instrument :
MSVOA_V
ClientSampled :

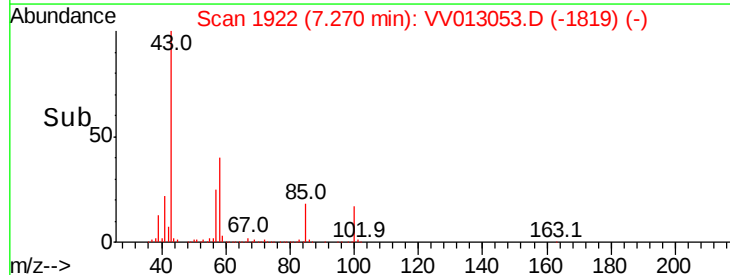
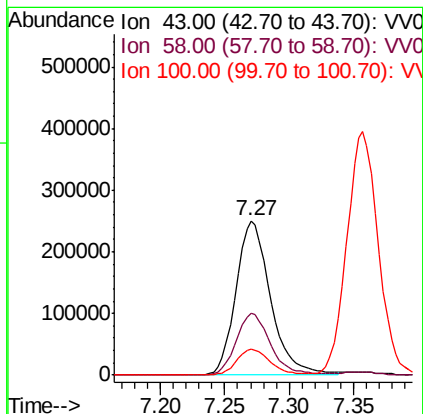
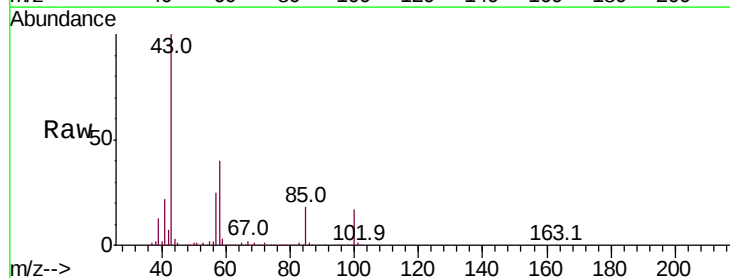
Tot Ion: 75 Resp: 453400
Ion Ratio Lower Upper
75 100
77 31.9 21.5 39.9

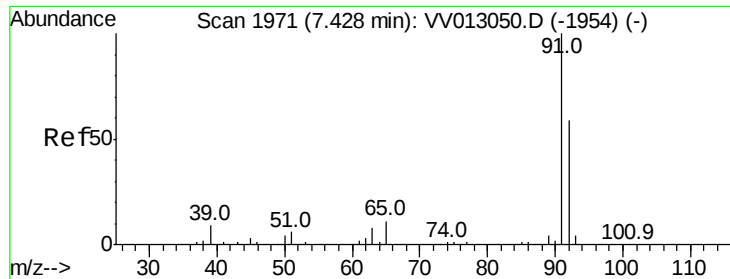


#43

4-Methyl-2-pentanone
Concen: 53.310 ug/L
RT: 7.27 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VV013053.D
Acq: 07 Oct 2019 15:31

Tgt Ion: 43 Resp: 467679
Ion Ratio Lower Upper
43 100
58 39.6 31.2 46.8
100 16.2 12.2 18.2





#44

Toluene

Concen: 28.601 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV013053.D

Acq: 07 Oct 2019 15:31

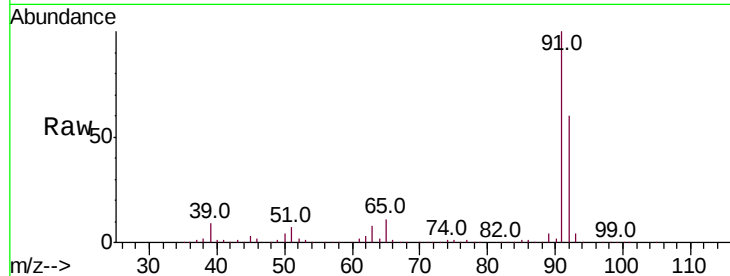
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 1238584

Ion Ratio Lower Upper

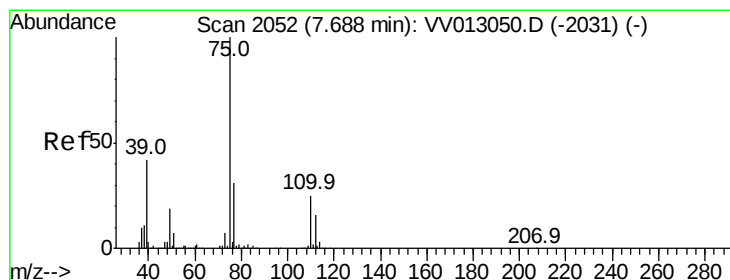
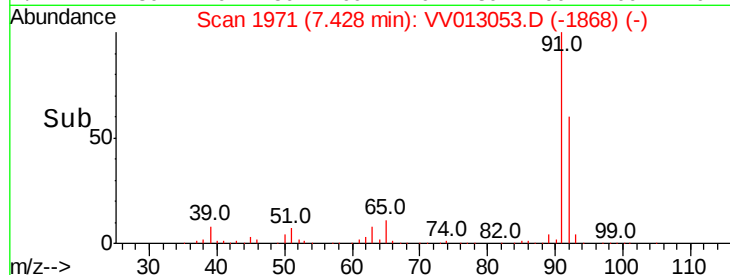
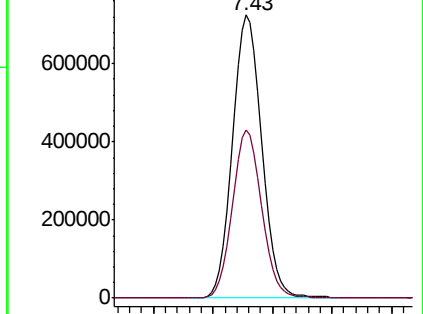
91 100

92 59.5 41.3 76.7



Abundance Ion 91.00 (90.70 to 91.70): VV013053.D (-1954) (-)

Ion 92.00 (91.70 to 92.70): VV013053.D (-1954) (-)



#45

trans-1,3-Dichloropropene

Concen: 27.798 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV013053.D

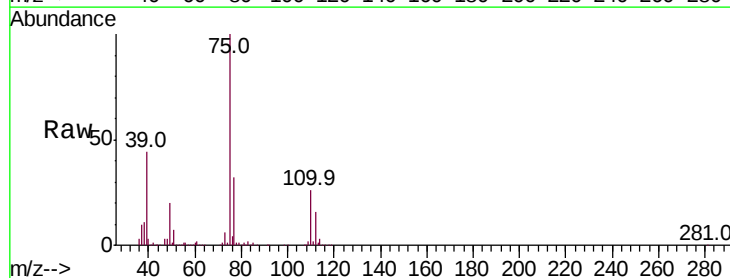
Acq: 07 Oct 2019 15:31

Tgt Ion: 75 Resp: 367068

Ion Ratio Lower Upper

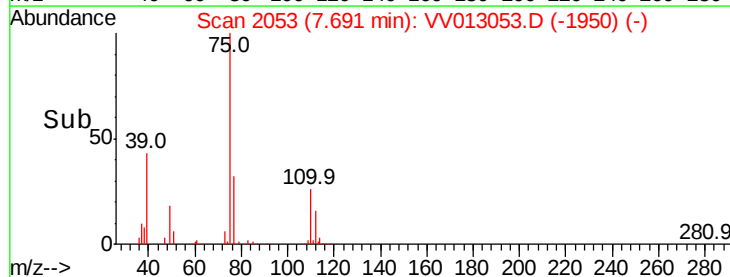
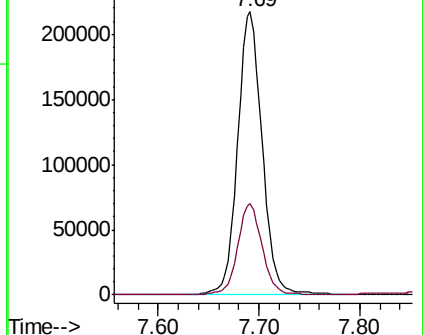
75 100

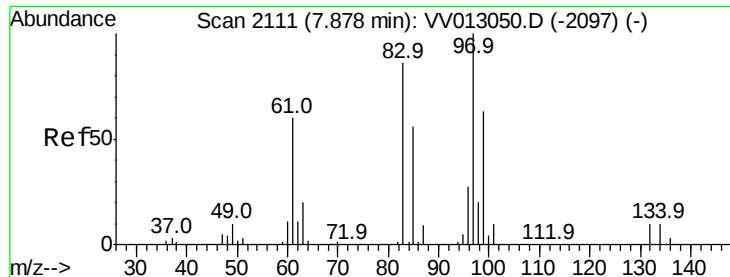
77 32.2 22.0 40.8



Abundance Ion 75.00 (74.70 to 75.70): VV013053.D (-1950) (-)

Ion 77.00 (76.70 to 77.70): VV013053.D (-1950) (-)

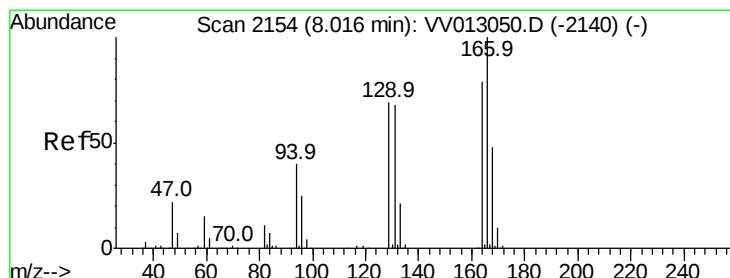
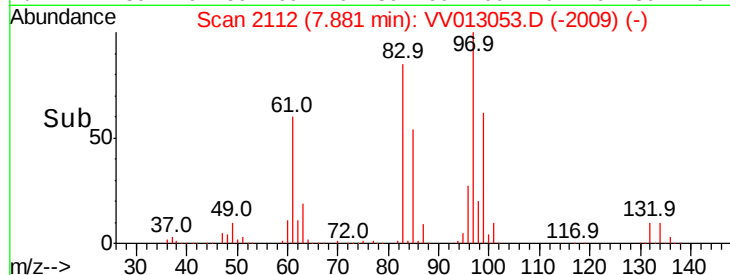
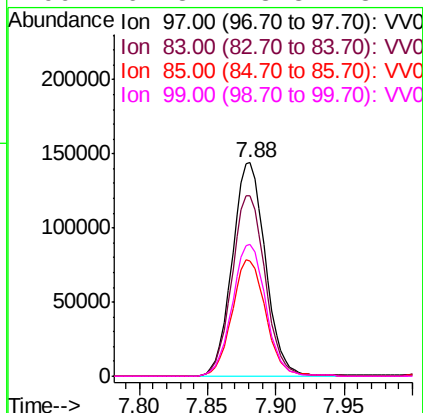
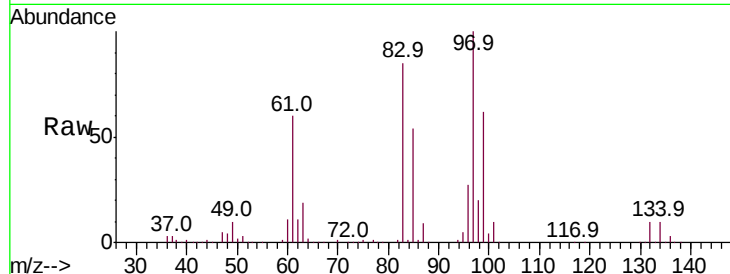




#46
1,1,2-Trichloroethane
Concen: 26.907 ug/L
RT: 7.88 min Scan# 2112
Delta R.T. 0.00 min
Lab File: VV013053.D
Acq: 07 Oct 2019 15:31

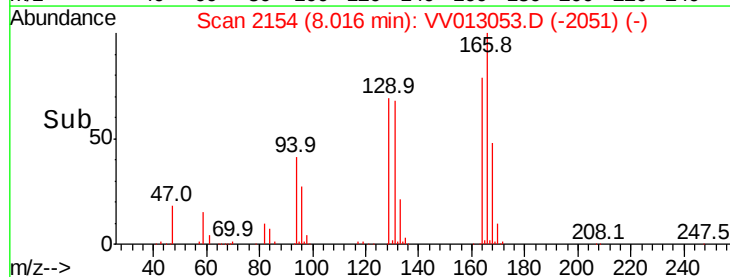
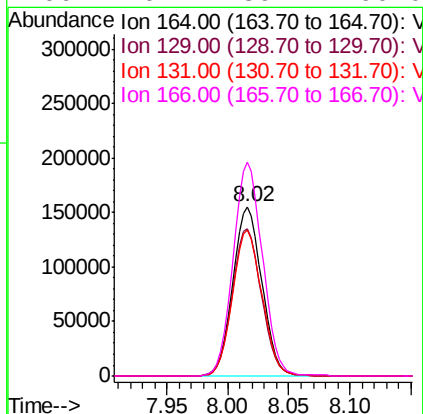
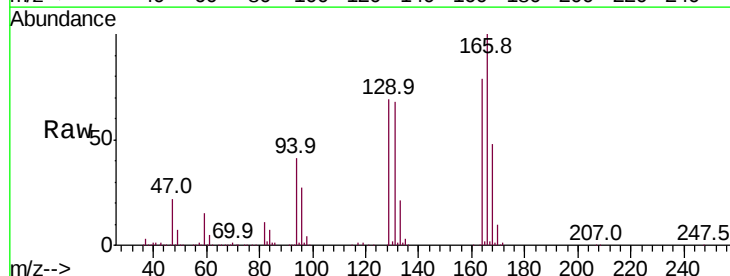
Instrument :
MSVOA_V
ClientSampled :

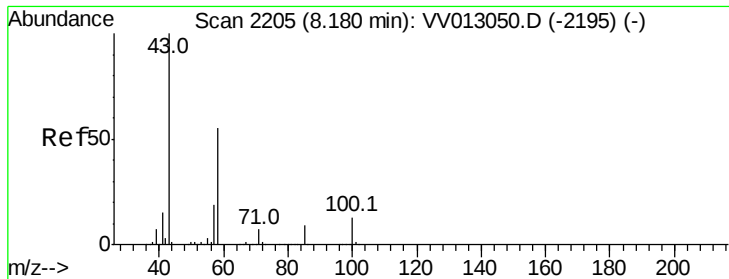
Tot Ion:	97	Resp:	243913
Ion	Ratio	Lower	Upper
97	100		
83	84.6	58.9	109.5
85	54.2	38.4	71.2
99	61.8	43.8	81.4



#47
Tetrachloroethene
Concen: 27.703 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VV013053.D
Acq: 07 Oct 2019 15:31

Tgt Ion:	164	Resp:	257543
Ion	Ratio	Lower	Upper
164	100		
129	87.3	62.8	116.6
131	86.1	60.2	111.8
166	126.4	89.4	166.0

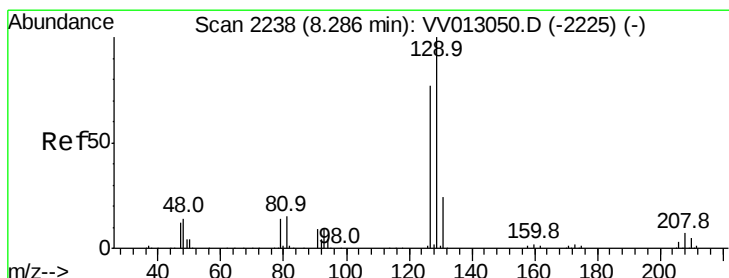
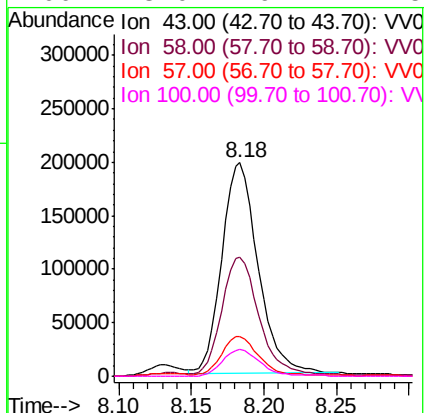
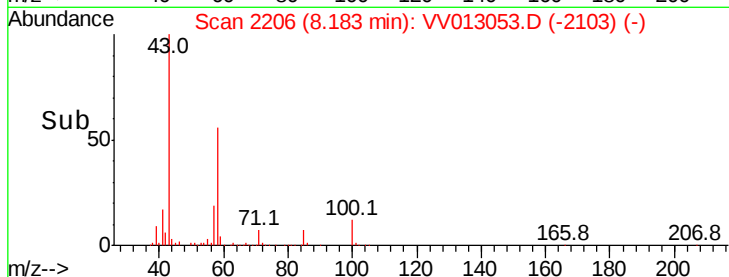
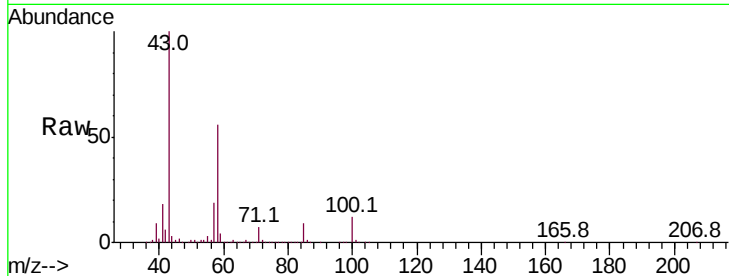




#49
2-Hexanone
Concen: 51.553 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV013053.D
Acq: 07 Oct 2019 15:31

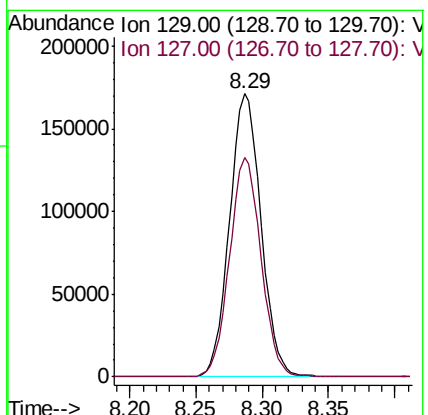
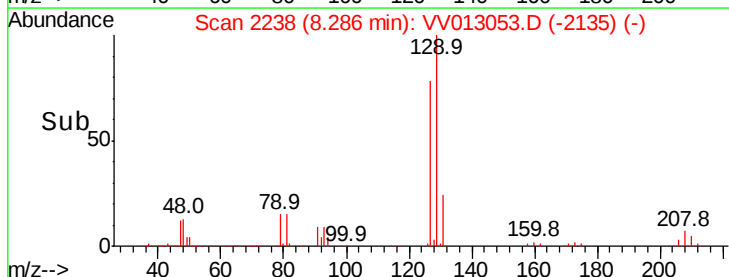
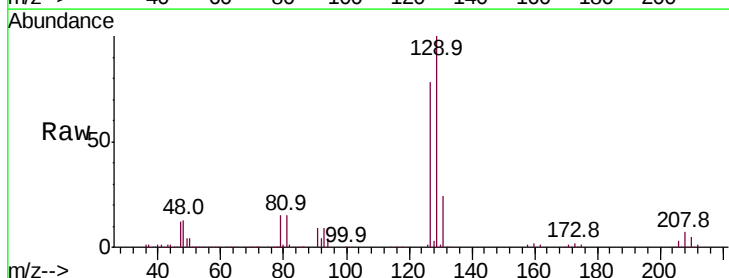
Instrument :
MSVOA_V
ClientSampleId :

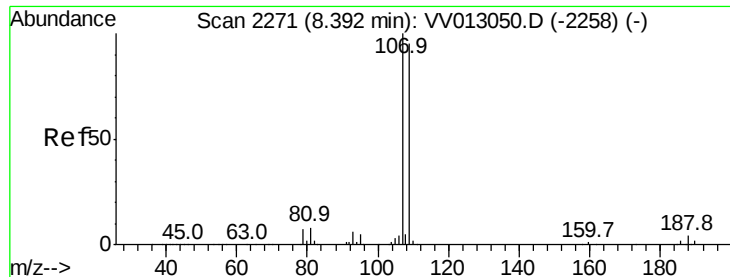
Tot Ion: 43 Resp: 340912
Ion Ratio Lower Upper
43 100
58 56.8 46.5 69.7
57 18.4 15.5 23.3
100 13.0 9.7 14.5



#50
Dibromochloromethane
Concen: 27.176 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV013053.D
Acq: 07 Oct 2019 15:31

Tgt Ion: 129 Resp: 283149
Ion Ratio Lower Upper
129 100
127 77.7 53.7 99.7





#51

1,2-Dibromoethane

Concen: 27.087 ug/L

RT: 8.39 min Scan# 2271

Delta R.T. 0.00 min

Lab File: VV013053.D

Acq: 07 Oct 2019 15:31

Instrument :
MSVOA_V
ClientSampleId :

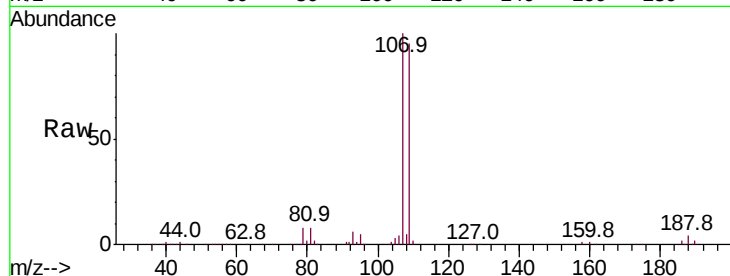
Tot Ion:107 Resp: 240619

Ion Ratio Lower Upper

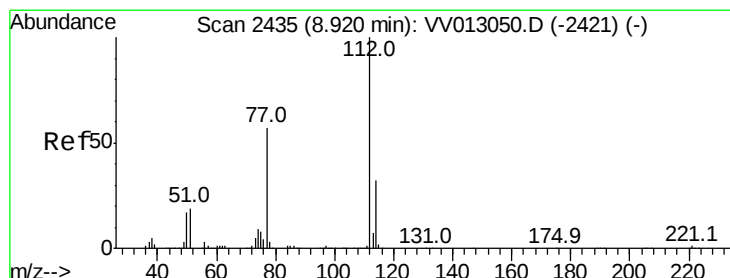
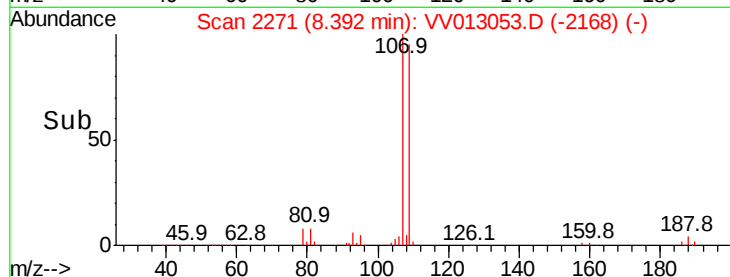
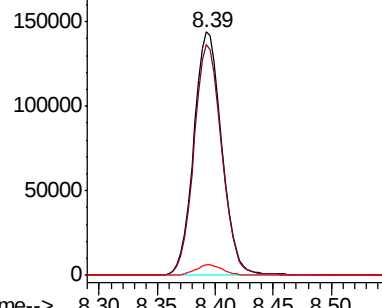
107 100

109 94.6 66.1 122.8

188 4.2 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: 27.491 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. 0.00 min

Lab File: VV013053.D

Acq: 07 Oct 2019 15:31

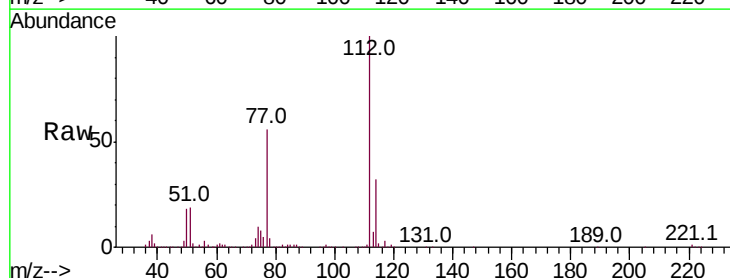
Tgt Ion:112 Resp: 821567

Ion Ratio Lower Upper

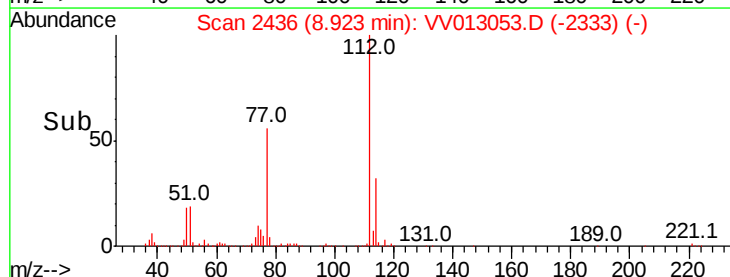
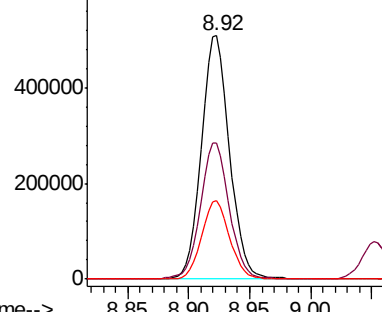
112 100

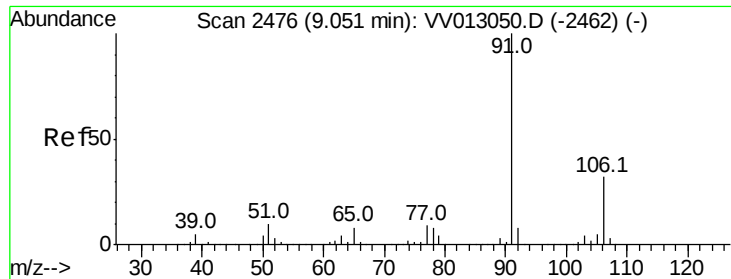
77 56.1 46.3 69.5

114 32.5 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

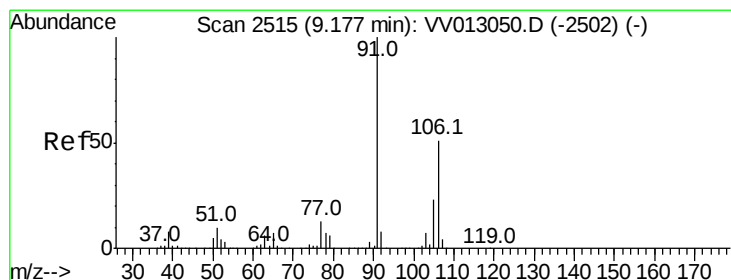
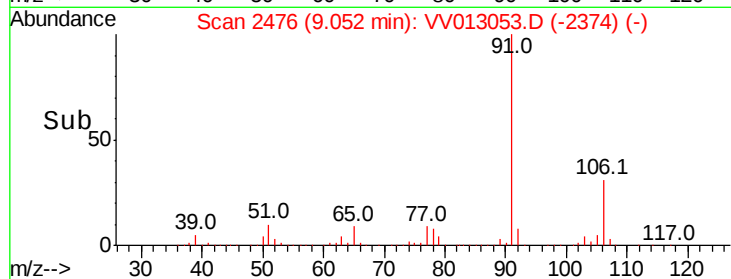
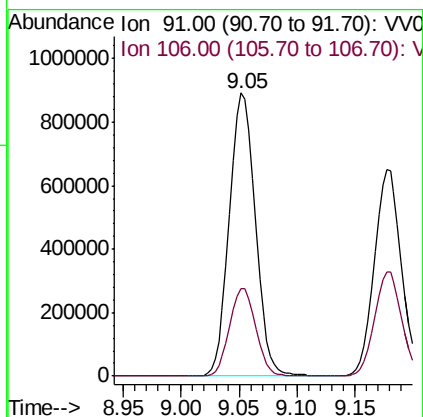
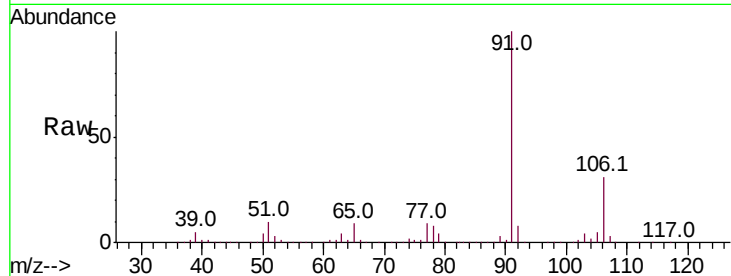




#53
Ethylbenzene
Concen: 29.093 ug/L
RT: 9.05 min Scan# 2476
Delta R.T. -0.00 min
Lab File: VV013053.D
Acq: 07 Oct 2019 15:31

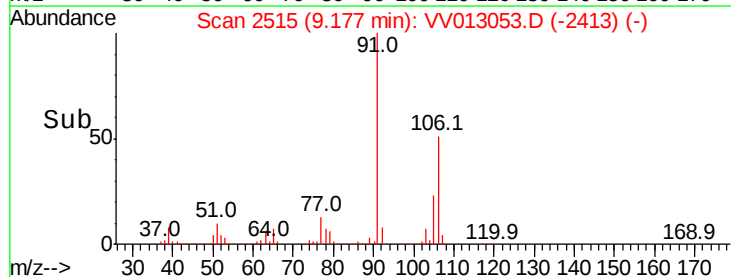
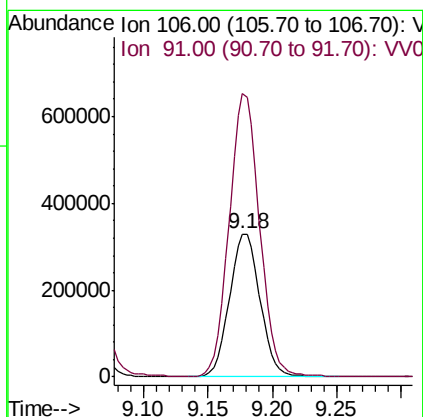
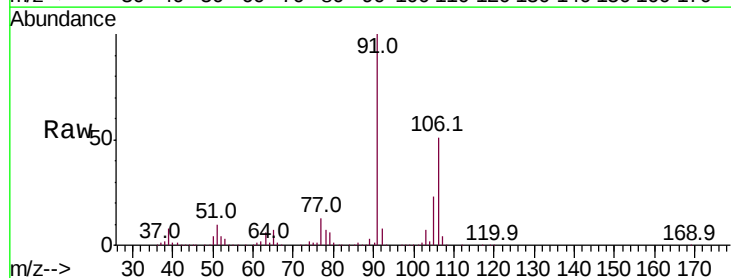
Instrument :
MSVOA_V
ClientSampleId :

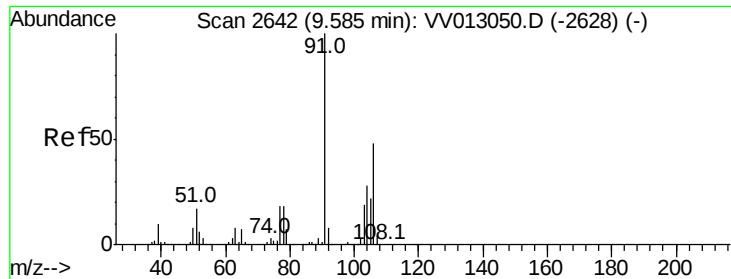
Tot Ion: 91 Resp: 1387180
Ion Ratio Lower Upper
91 100
106 31.1 21.8 40.4



#54
m,p-Xylene
Concen: 29.798 ug/L
RT: 9.18 min Scan# 2515
Delta R.T. -0.00 min
Lab File: VV013053.D
Acq: 07 Oct 2019 15:31

Tgt Ion: 106 Resp: 540149
Ion Ratio Lower Upper
106 100
91 197.9 140.1 260.3





#55

o-xylene

Concen: 29.851 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV013053.D

Acq: 07 Oct 2019 15:31

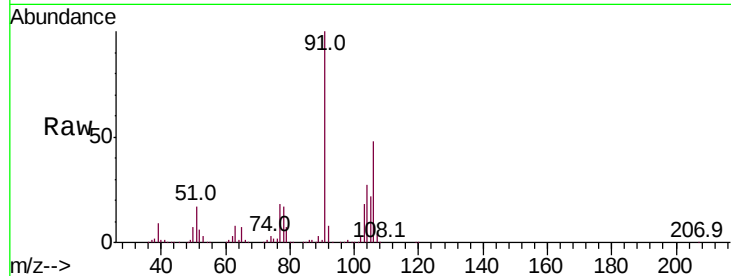
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 515575

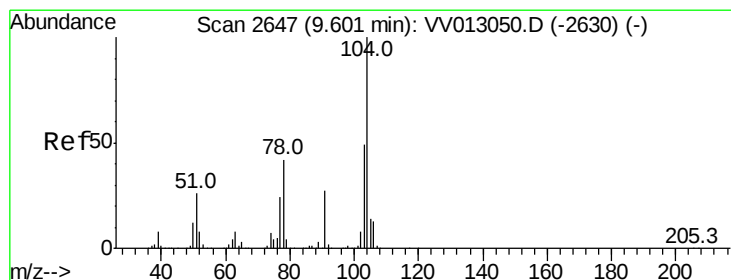
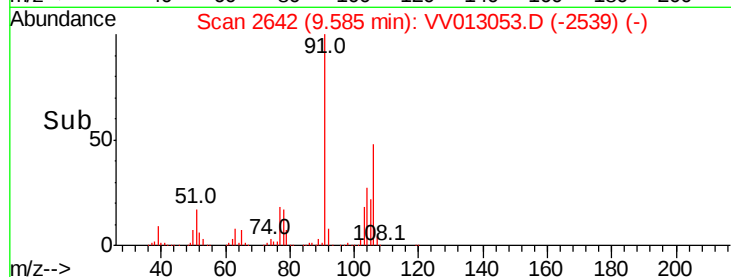
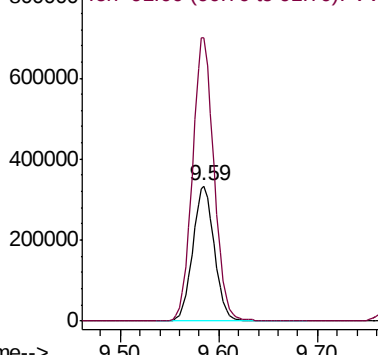
Ion Ratio Lower Upper

106 100

91 209.8 148.8 276.4



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



#56

Styrene

Concen: 29.846 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV013053.D

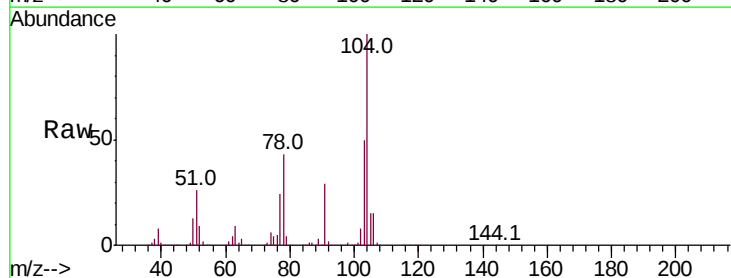
Acq: 07 Oct 2019 15:31

Tgt Ion:104 Resp: 906999

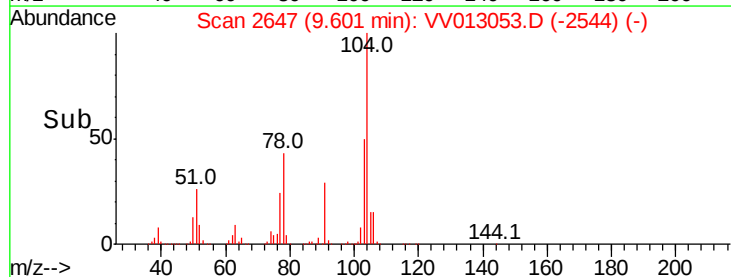
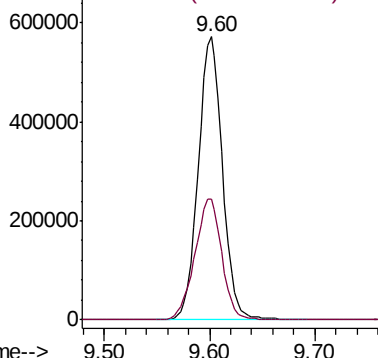
Ion Ratio Lower Upper

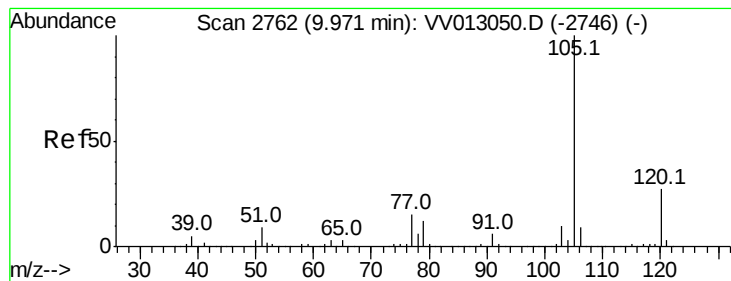
104 100

78 42.9 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: 30.079 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV013053.D

Acq: 07 Oct 2019 15:31

Instrument :
MSVOA_V
ClientSampled :

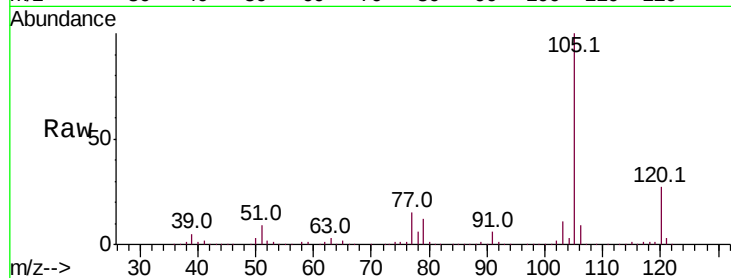
Tot Ion:105 Resp: 1365333

Ion Ratio Lower Upper

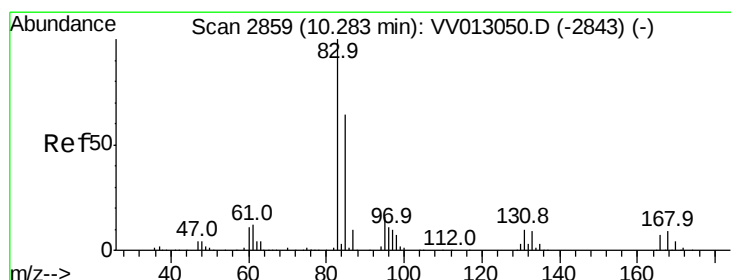
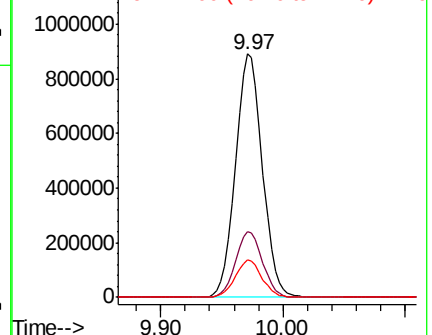
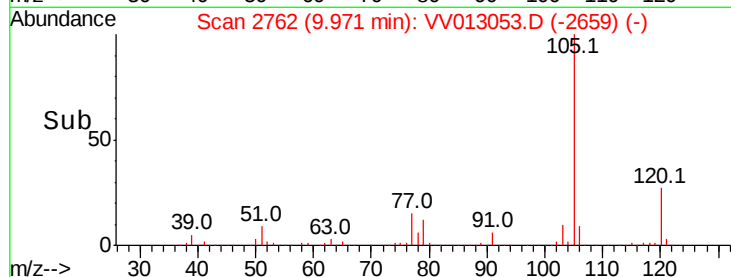
105 100

120 26.9 21.4 32.0

77 15.2 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: 27.084 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV013053.D

Acq: 07 Oct 2019 15:31

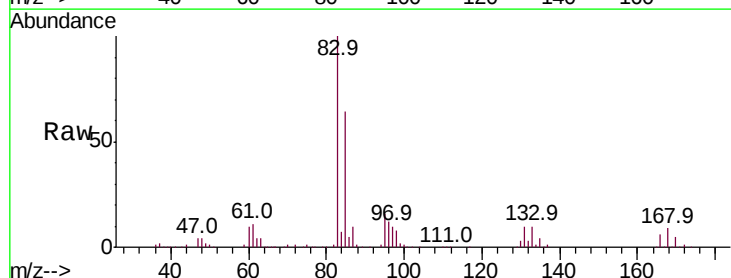
Tgt Ion: 83 Resp: 303702

Ion Ratio Lower Upper

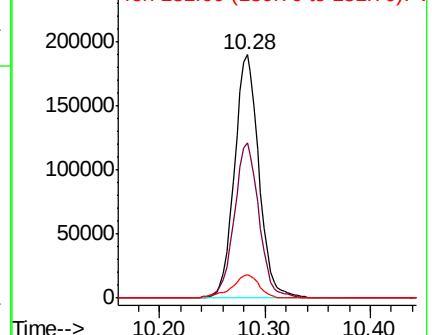
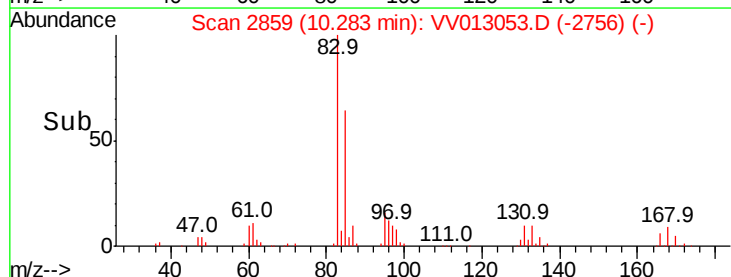
83 100

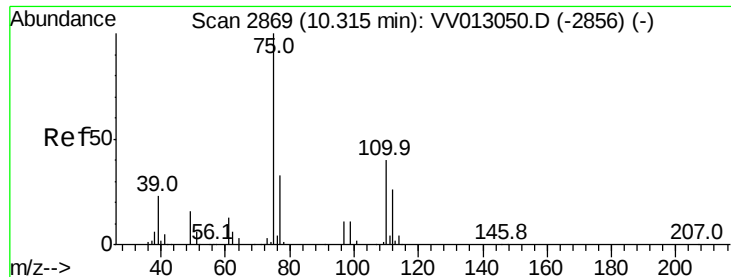
85 63.6 45.4 84.2

131 9.7 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: 25.748 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV013053.D

Acq: 07 Oct 2019 15:31

Instrument :

MSVOA_V

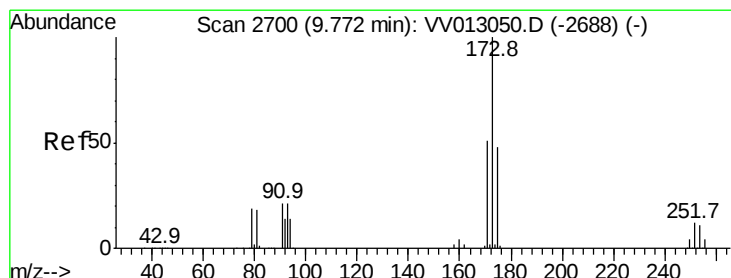
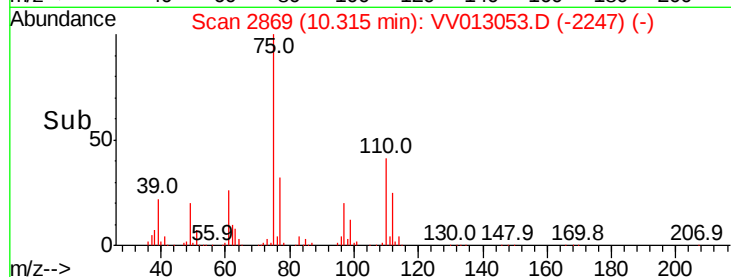
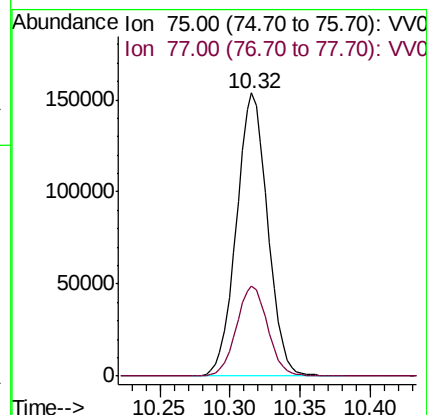
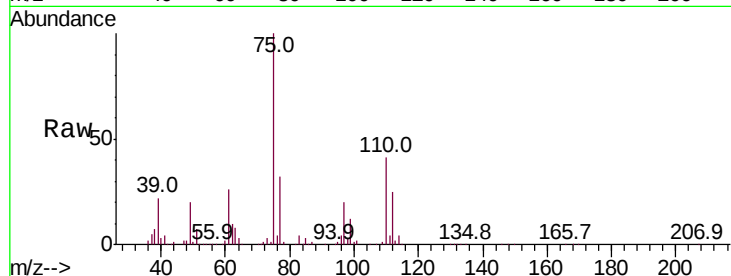
ClientSampleId :

Tot Ion: 75 Resp: 238304

Ion Ratio Lower Upper

75 100

77 31.7 25.4 38.0



#62

Bromoform

Concen: 26.438 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VV013053.D

Acq: 07 Oct 2019 15:31

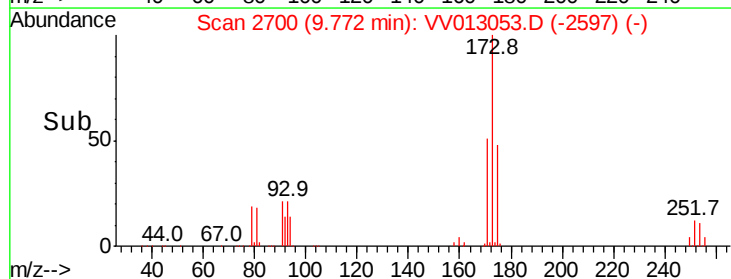
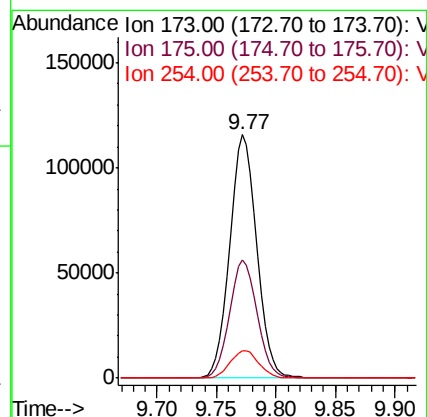
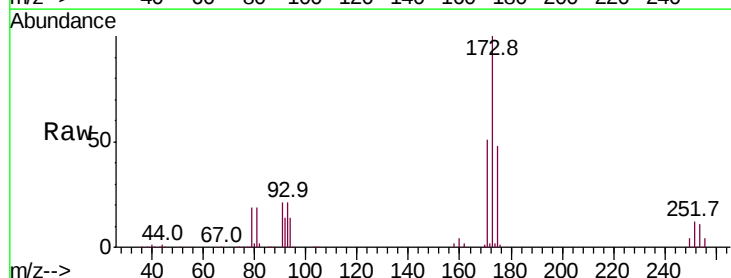
Tgt Ion: 173 Resp: 182479

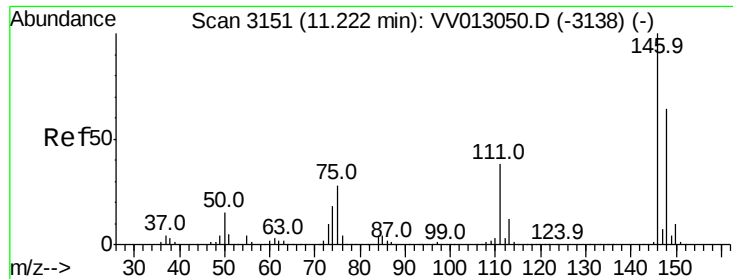
Ion Ratio Lower Upper

173 100

175 49.3 39.5 59.3

254 12.1 9.1 13.7

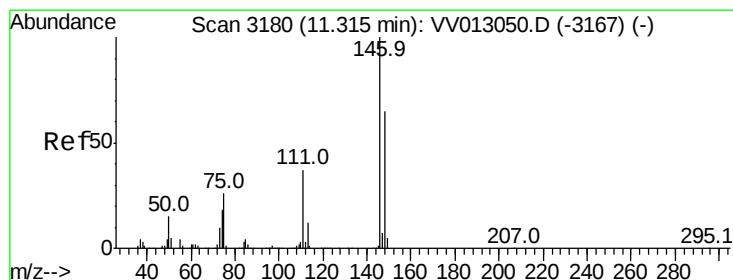
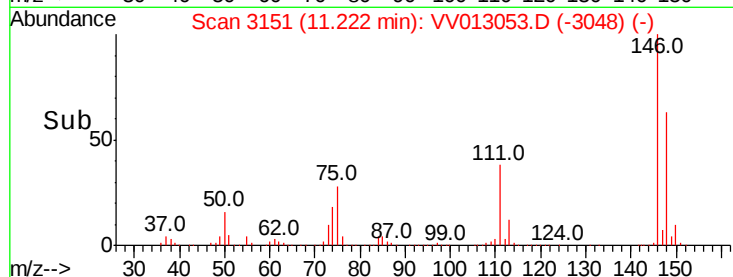
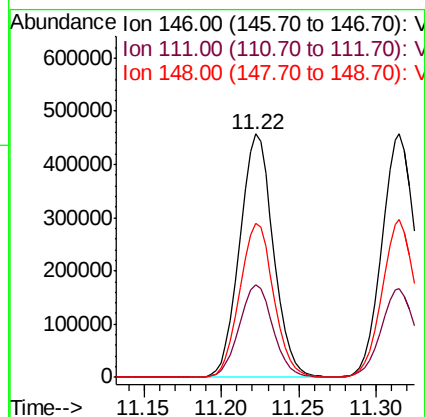
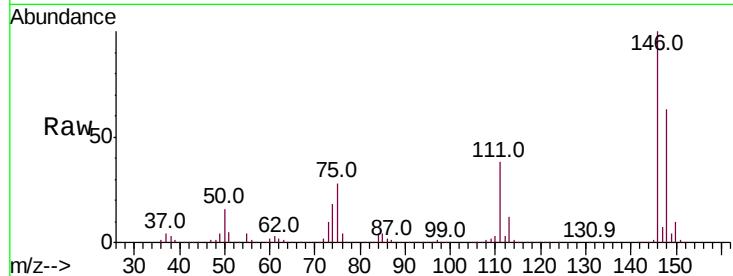




#63
 1,3-Dichlorobenzene
 Concen: 27.655 ug/L
 RT: 11.22 min Scan# 3151
 Delta R.T. 0.00 min
 Lab File: VV013053.D
 Acq: 07 Oct 2019 15:31

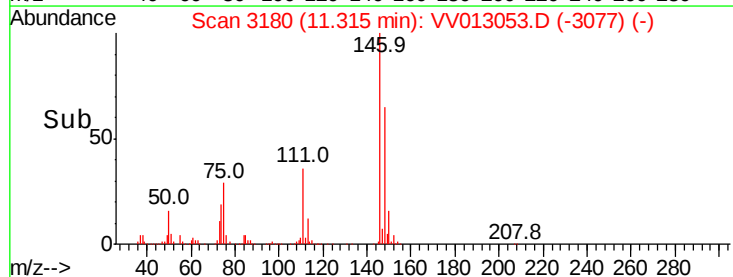
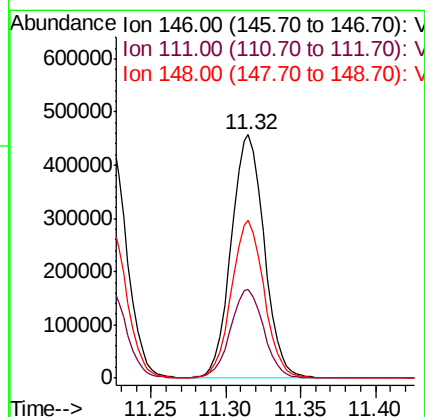
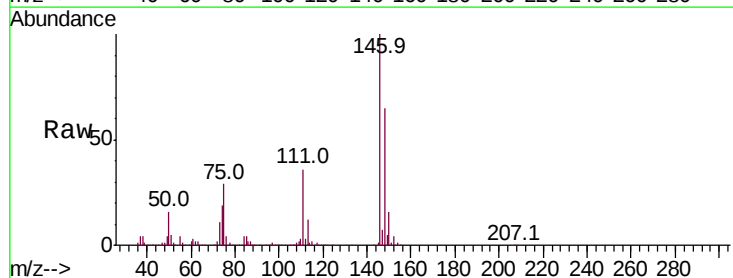
Instrument :
 MSVOA_V
 ClientSampleId :

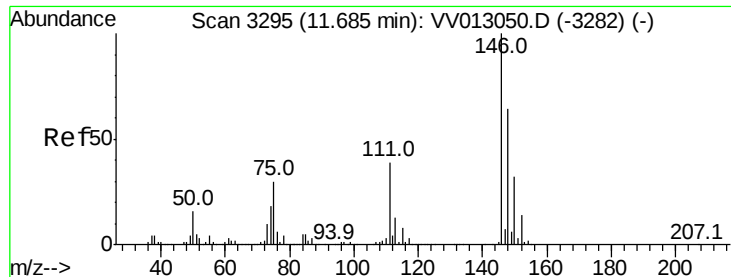
Tot Ion:146 Resp: 692394
 Ion Ratio Lower Upper
 146 100
 111 38.0 26.7 49.7
 148 63.4 43.9 81.5



#64
 1,4-Dichlorobenzene
 Concen: 26.615 ug/L
 RT: 11.32 min Scan# 3180
 Delta R.T. 0.00 min
 Lab File: VV013053.D
 Acq: 07 Oct 2019 15:31

Tgt Ion:146 Resp: 699351
 Ion Ratio Lower Upper
 146 100
 111 36.4 25.5 47.3
 148 64.6 45.1 83.9





#65

1,2-Dichlorobenzene

Concen: 27.132 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. 0.00 min

Lab File: VV013053.D

Acq: 07 Oct 2019 15:31

Instrument :

MSVOA_V

ClientSampled :

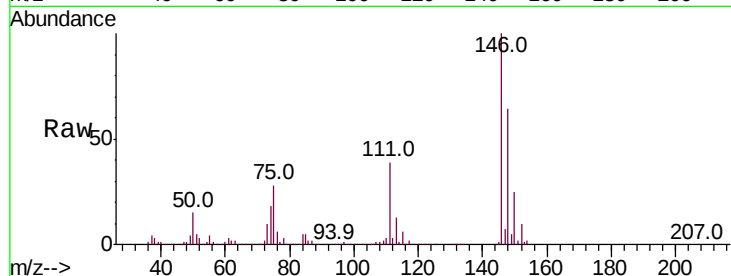
Tot Ion:146 Resp: 647940

Ion Ratio Lower Upper

146 100

111 39.3 31.9 47.9

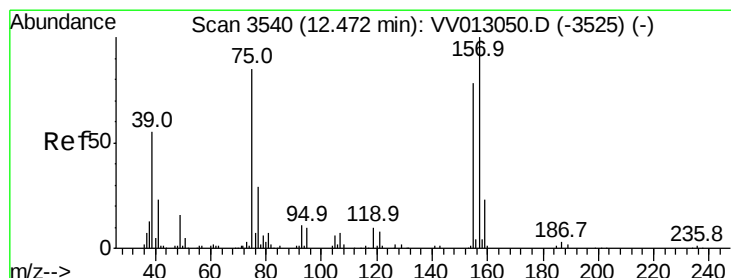
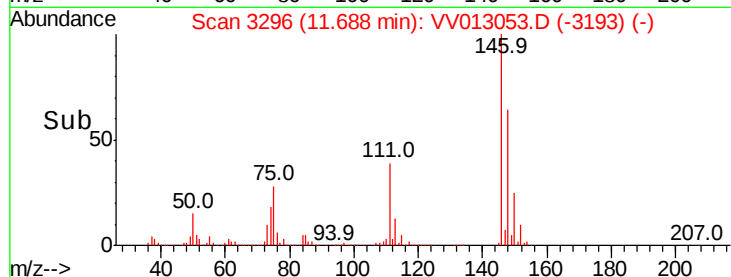
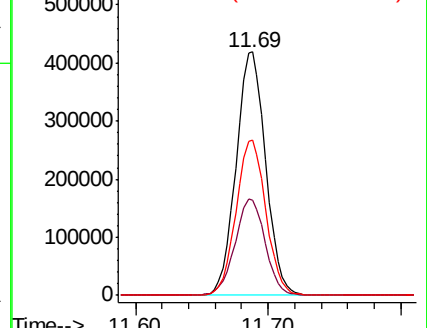
148 63.6 51.0 76.6



Abundance Ion 146.00 (145.70 to 146.70): 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: 24.391 ug/L

RT: 12.47 min Scan# 3540

Delta R.T. 0.00 min

Lab File: VV013053.D

Acq: 07 Oct 2019 15:31

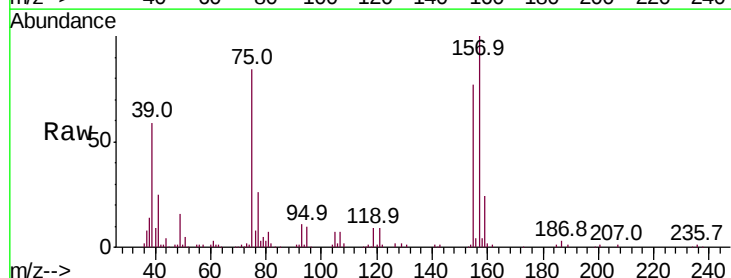
Tgt Ion: 75 Resp: 51642

Ion Ratio Lower Upper

75 100

157 119.1 91.7 137.5

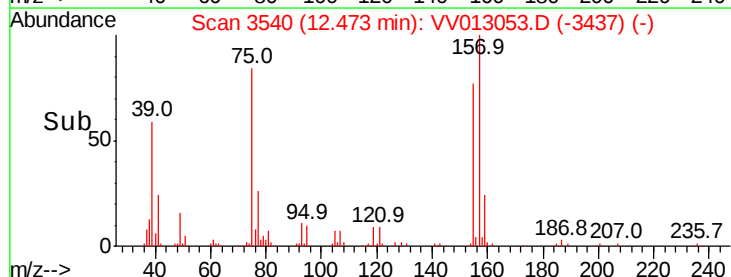
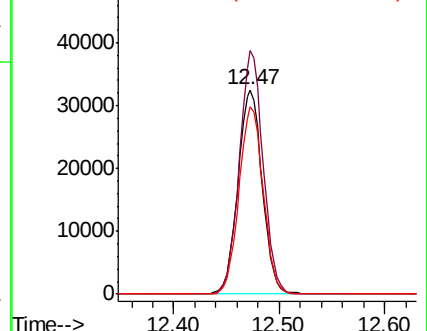
155 91.5 70.8 106.2

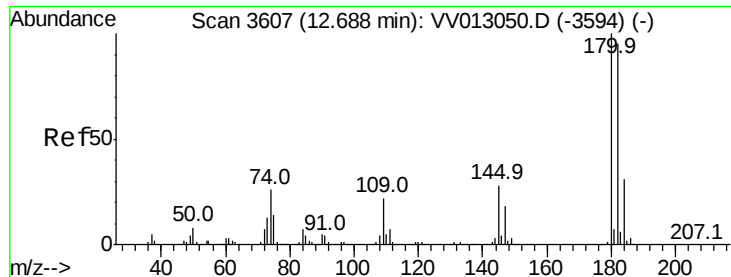


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

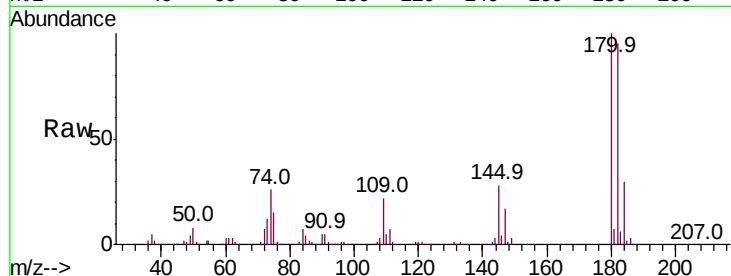




#67
 1,3,5-Trichlorobenzene
 Concen: 28.032 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VV013053.D
 Acq: 07 Oct 2019 15:31

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.4	114.6
184	30.5	24.6	37.0
145	28.1	22.2	33.4



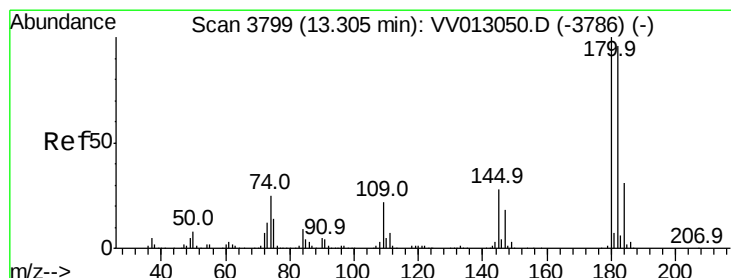
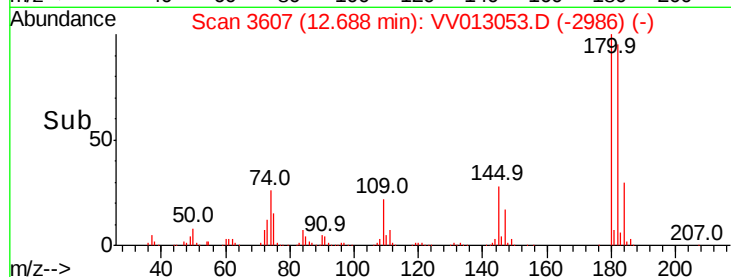
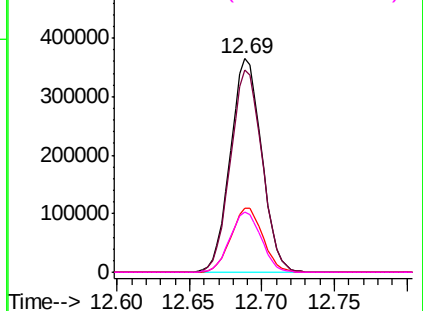
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

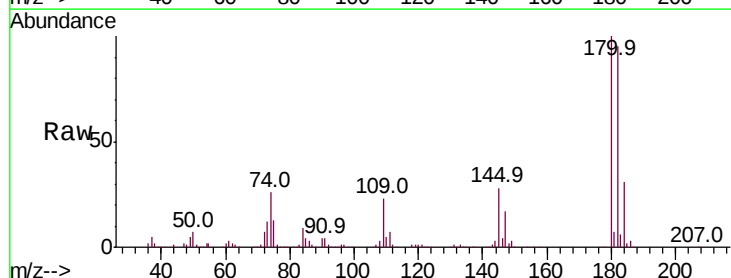
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 27.576 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV013053.D
 Acq: 07 Oct 2019 15:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.8	115.2
145	28.4	22.6	34.0

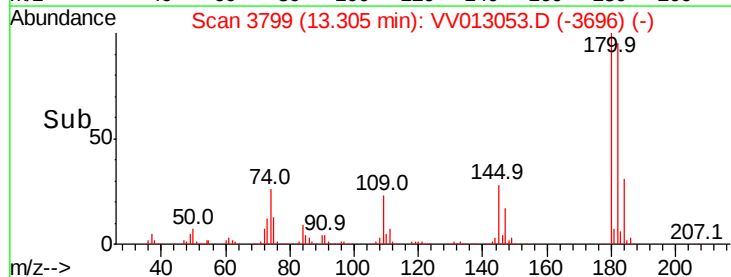
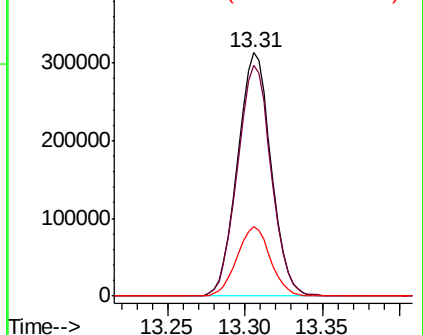


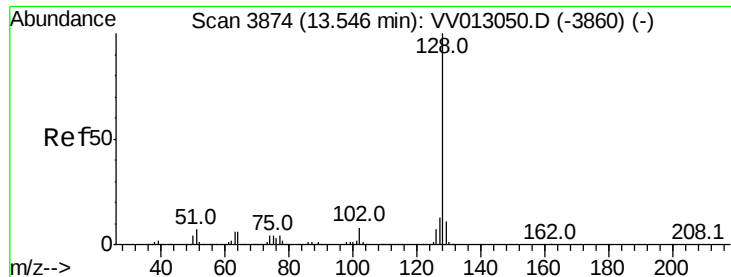
Abundance

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: 27.316 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV013053.D

Acq: 07 Oct 2019 15:31

Instrument :

MSVOA_V

ClientSampleId :

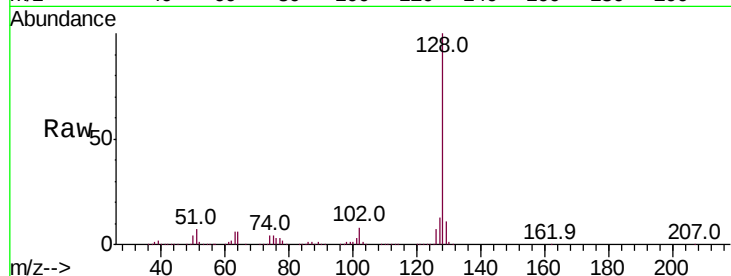
Tot Ion:128 Resp: 940899

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

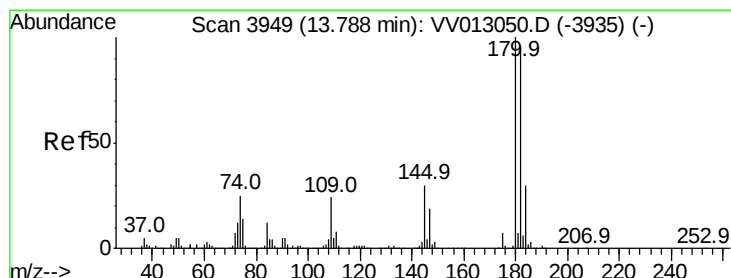
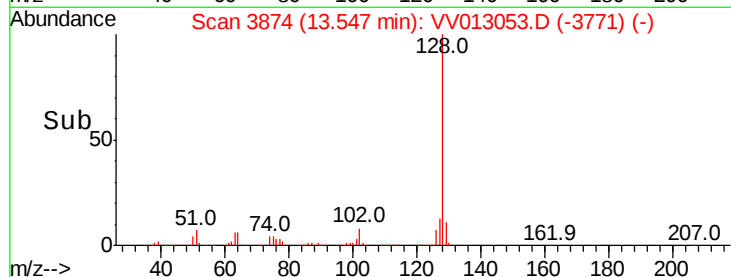
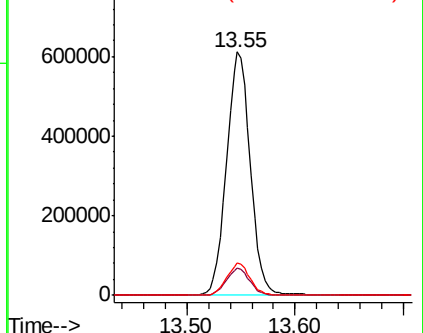
127 13.0 10.2 15.2



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: 27.487 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV013053.D

Acq: 07 Oct 2019 15:31

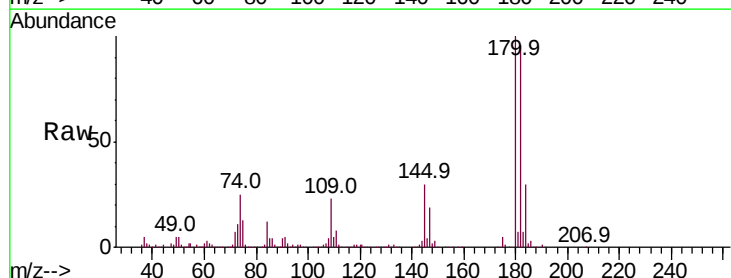
Tgt Ion:180 Resp: 452583

Ion Ratio Lower Upper

180 100

182 95.4 77.4 116.2

145 30.6 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

