

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031020\
 Data File : VV014806.D
 Acq On : 10 Mar 2020 16:31
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 11 03:47:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 11 01:57:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	412255	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	407274	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	218963	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	100056	35.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	71.72%
7) Chloroethane-d5	1.58	69	86429	39.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	78.38%
11) 1,1-Dichloroethene-d2	2.12	63	183333	39.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.10%
21) 2-Butanone-d5	3.94	46	175150	84.18	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	84.18%
24) Chloroform-d	4.38	84	253532	47.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.98%
26) 1,2-Dichloroethane-d4	5.06	65	162088	45.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.34%
32) Benzene-d6	5.08	84	496082	46.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.26%
36) 1,2-Dichloropropane-d6	6.10	67	152325	42.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.48%
41) Toluene-d8	7.34	98	480245	45.60	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.20%
43) trans-1,3-Dichloropropene-	7.64	79	77534	44.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.10%
47) 2-Hexanone-d5	8.12	63	156767	99.06	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.06%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	229260	46.76	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.52%
64) 1,2-Dichlorobenzene-d4	11.65	152	209085	48.18	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.36%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	185961	45.642	ug/L	98
3) Chloromethane	1.25	50	146874	40.928	ug/L	99
5) Vinyl chloride	1.32	62	139538	41.960	ug/L	99
6) Bromomethane	1.53	94	84095	40.745	ug/L	96
8) Chloroethane	1.60	64	78394	43.854	ug/L	98
9) Trichlorofluoromethane	1.76	101	207819	46.735	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	103156	45.063	ug/L	98
12) 1,1-Dichloroethene	2.13	96	98144	43.824	ug/L	98
13) Acetone	2.22	43	130562	75.155	ug/L	69
14) Carbon disulfide	2.31	76	305331	41.237	ug/L	98
15) Methyl Acetate	2.46	43	134161	41.106	ug/L	95
16) Methylene chloride	2.52	84	137212	45.113	ug/L	97
17) trans-1,2-Dichloroethene	2.78	96	127604	46.123	ug/L	96
18) Methyl tert-butyl Ether	2.79	73	426542	47.092	ug/L	97
19) 1,1-Dichloroethane	3.21	63	238388	44.115	ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	142550	46.069	ug/L	97
22) 2-Butanone	4.02	43	205878	89.836	ug/L	98

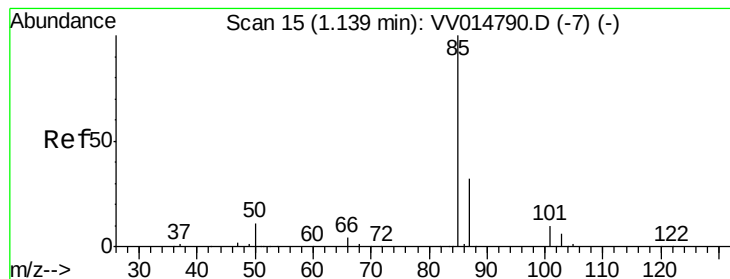
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031020\
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 Quant Title : VOC Analysis
 QLast Update : Wed Mar 11 01:57:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	75191	47.731	ug/L	90
25) Chloroform	4.41	83	253624	45.305	ug/L	99
27) 1,2-Dichloroethane	5.16	62	198617	45.777	ug/L	99
29) Cyclohexane	4.70	56	220783	44.492	ug/L	93
30) 1,1,1-Trichloroethane	4.64	97	226553	47.979	ug/L	99
31) Carbon tetrachloride	4.86	117	200313	49.951	ug/L	99
33) Benzene	5.13	78	545108	46.200	ug/L	100
34) Trichloroethene	5.94	95	140001	45.404	ug/L	97
35) Methylcyclohexane	6.16	83	235044	46.178	ug/L	94
37) 1,2-Dichloropropane	6.20	63	135322	42.442	ug/L #	96
38) Bromodichloromethane	6.53	83	189497	46.722	ug/L	98
39) cis-1,3-Dichloropropene	7.05	75	223566	44.735	ug/L	98
40) 4-Methyl-2-pentanone	7.25	43	408655	88.444	ug/L #	95
42) Toluene	7.41	91	605926	46.549	ug/L	98
44) trans-1,3-Dichloropropene	7.67	75	201837	44.303	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	138527	47.175	ug/L	97
46) Tetrachloroethene	8.00	164	125530	49.758	ug/L	96
48) 2-Hexanone	8.17	43	316984	87.228	ug/L #	94
49) Dibromochloromethane	8.27	129	148006	46.244	ug/L	99
50) 1,2-Dibromoethane	8.38	107	151347	47.681	ug/L	97
51) Chlorobenzene	8.90	112	395834	47.262	ug/L	98
52) Ethylbenzene	9.04	91	687082	46.853	ug/L	99
53) m,p-Xylene	9.16	106	266917	48.501	ug/L	95
54) o-xylene	9.57	106	261888	48.444	ug/L	99
55) Styrene	9.58	104	451183	48.807	ug/L	100
56) Isopropylbenzene	9.95	105	690576	47.696	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	234834	46.430	ug/L	99
59) 1,2,3-Trichloropropane	10.30	75	186257	45.742	ug/L	99
61) Bromoform	9.75	173	103122	43.411	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	334656	47.263	ug/L	100
63) 1,4-Dichlorobenzene	11.29	146	335618	47.047	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	333300	47.280	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	54996	45.967	ug/L	88
67) 1,3,5-Trichlorobenzene	12.67	180	255395	46.637	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	233861	46.462	ug/L	99
69) Naphthalene	13.52	128	354816	46.826	ug/L	100
70) 1,2,3-Trichlorobenzene	13.76	180	240212	47.879	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 45.642 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV014806.D

Acq: 10 Mar 2020 16:31

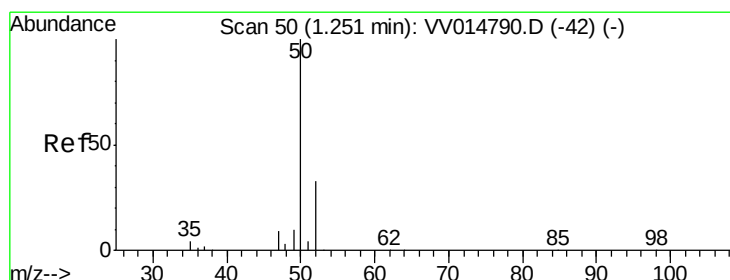
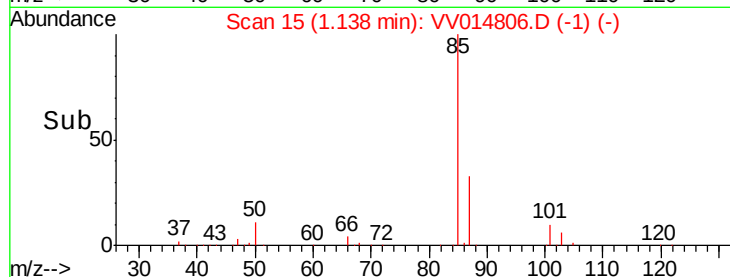
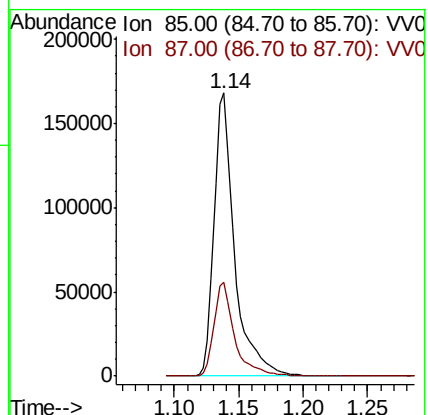
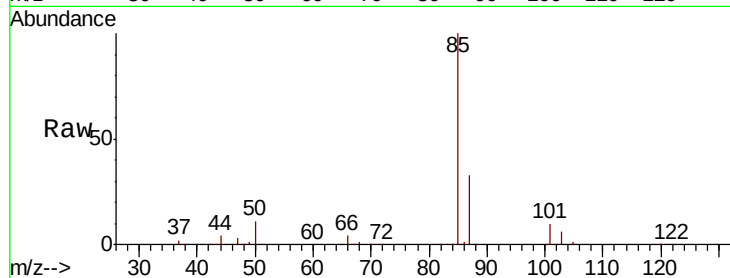
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 185961

Ion Ratio Lower Upper

85 100

87 33.2 25.8 38.8



#3

Chloromethane

Concen: 40.928 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV014806.D

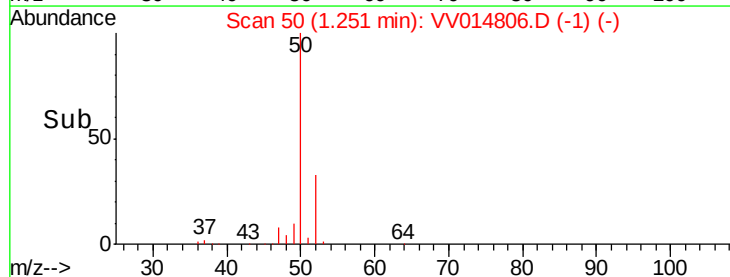
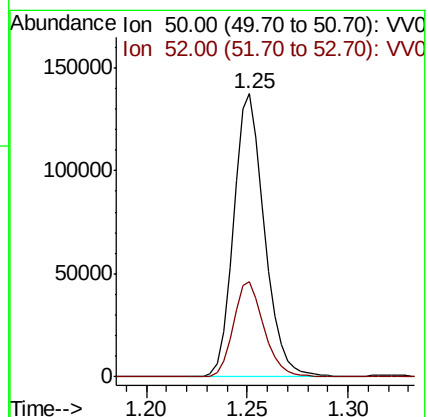
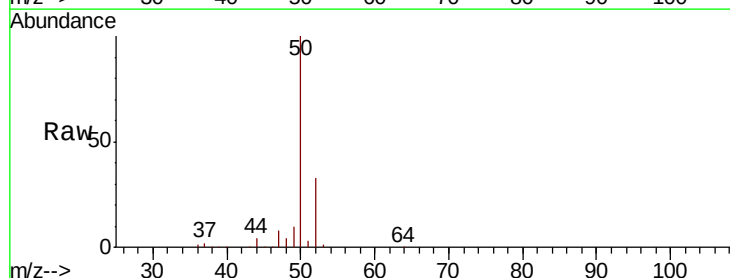
Acq: 10 Mar 2020 16:31

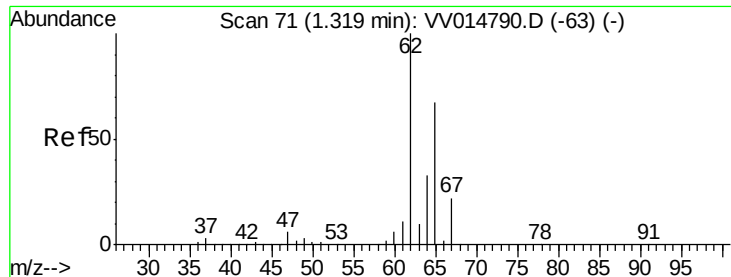
Tgt Ion: 50 Resp: 146874

Ion Ratio Lower Upper

50 100

52 33.4 22.9 42.5





#5

Vinyl chloride

Concen: 41.960 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV014806.D

Acq: 10 Mar 2020 16:31

Instrument :

MSVOA_V

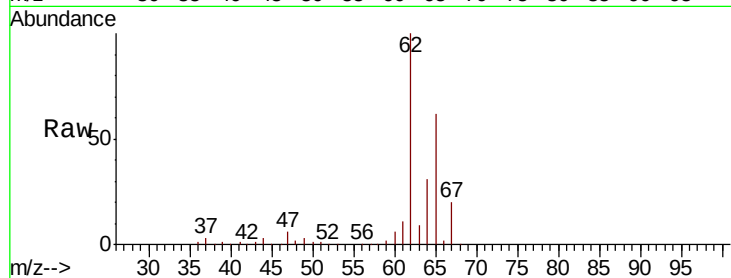
ClientSampled :

Tot Ion: 62 Resp: 139538

Ion Ratio Lower Upper

62 100

64 31.4 22.3 41.5



Abundance Ion 62.00 (61.70 to 62.70): VV014790.D (-63) (-)

Ion 64.00 (63.70 to 64.70): VV014790.D (-63) (-)

1.32

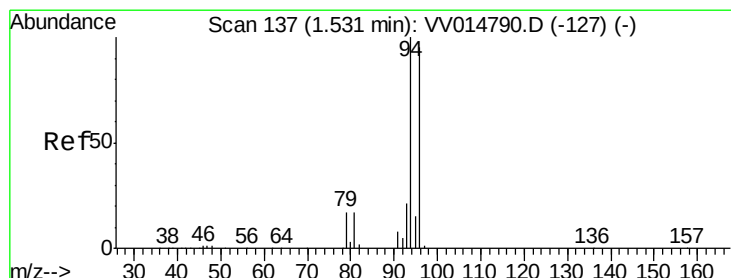
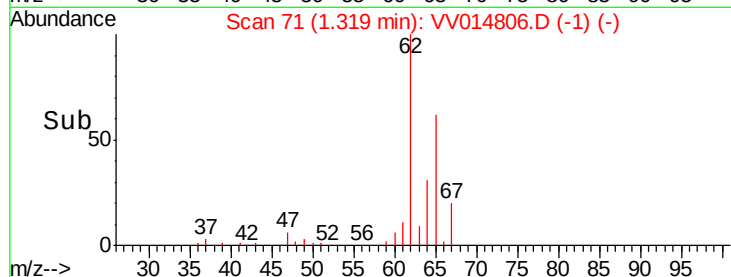
100000

50000

0

1.30 1.35 1.40

Time-->



#6

Bromomethane

Concen: 40.745 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV014806.D

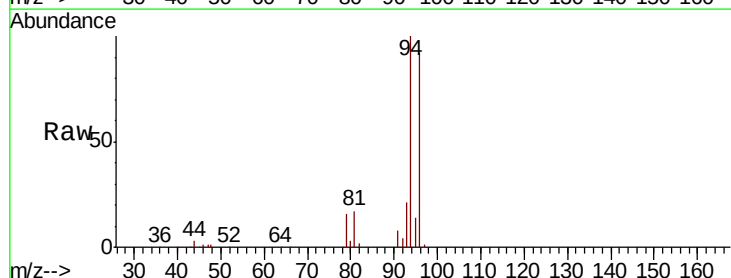
Acq: 10 Mar 2020 16:31

Tgt Ion: 94 Resp: 84095

Ion Ratio Lower Upper

94 100

96 92.4 67.2 124.8



Abundance Ion 94.00 (93.70 to 94.70): VV014790.D (-127) (-)

Ion 96.00 (95.70 to 96.70): VV014790.D (-127) (-)

1.53

80000

60000

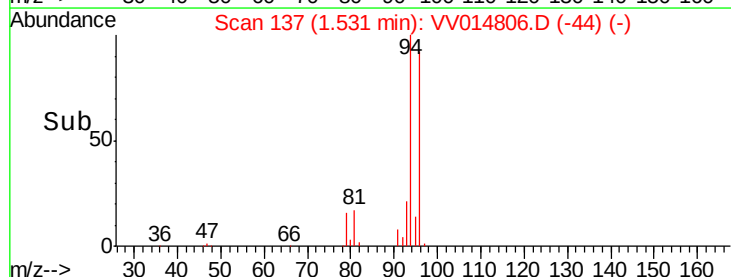
40000

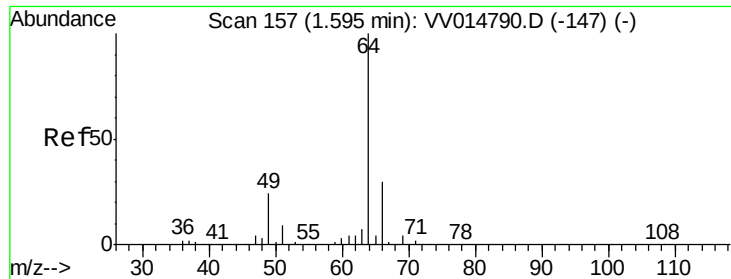
20000

0

1.50 1.55 1.60

Time-->





#8

Chloroethane

Concen: 43.854 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV014806.D

Acq: 10 Mar 2020 16:31

Instrument :

MSVOA_V

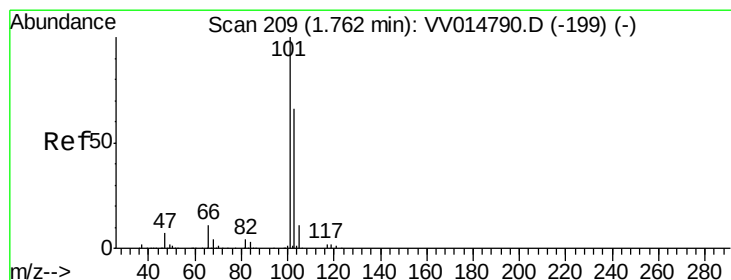
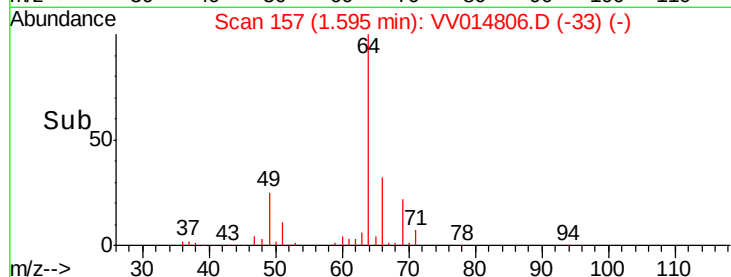
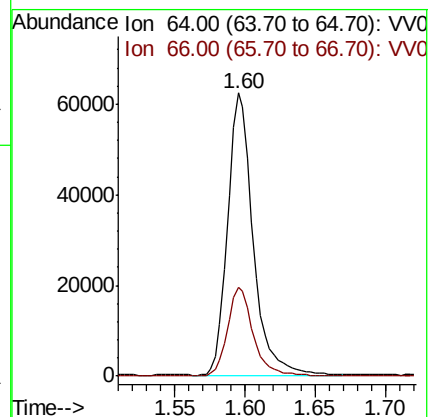
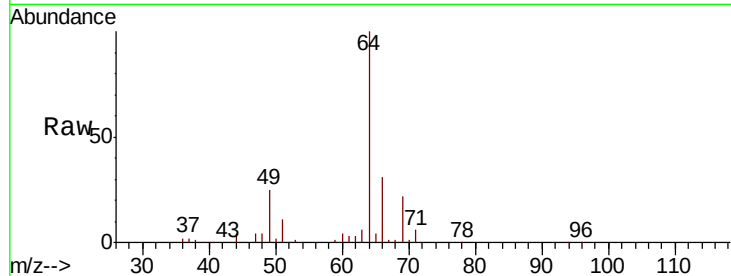
ClientSampled :

Tot Ion: 64 Resp: 78394

Ion Ratio Lower Upper

64 100

66 31.4 22.6 42.0



#9

Trichlorofluoromethane

Concen: 46.735 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV014806.D

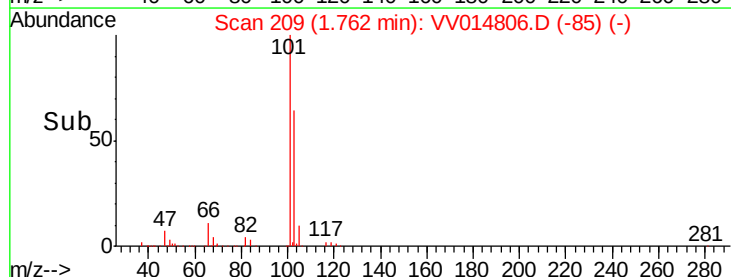
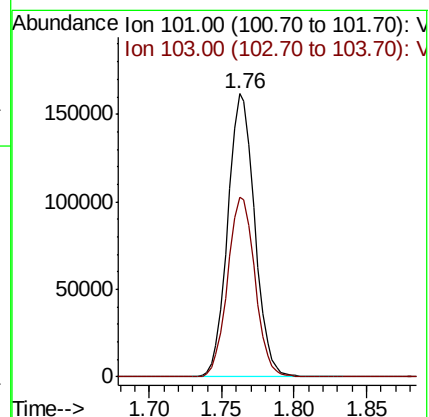
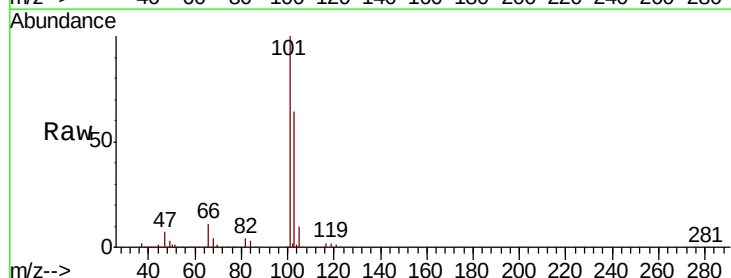
Acq: 10 Mar 2020 16:31

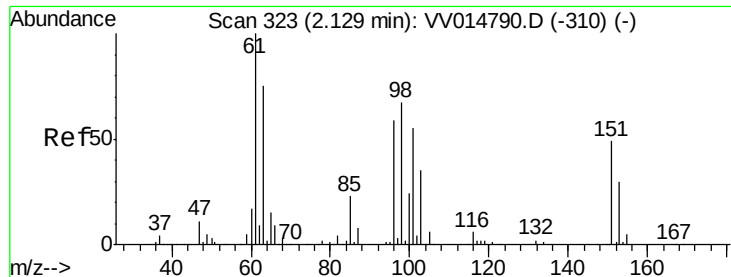
Tgt Ion: 101 Resp: 207819

Ion Ratio Lower Upper

101 100

103 64.7 51.8 77.8





#10

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

Concen: 45.063 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV014806.D

Acq: 10 Mar 2020 16:31

Instrument :

MSVOA_V

ClientSampleId :

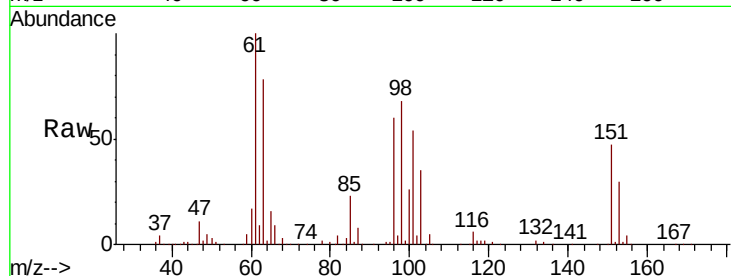
Tot Ion:101 Resp: 103156

Ion Ratio Lower Upper

101 100

85 42.5 35.0 52.6

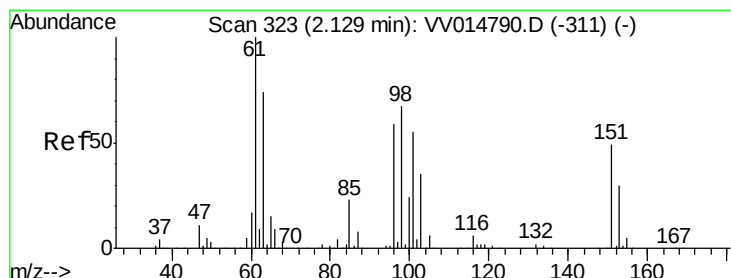
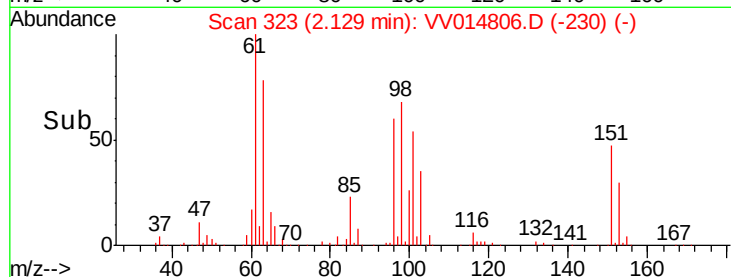
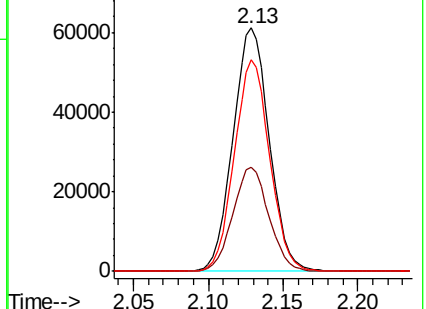
151 84.4 66.4 99.6



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: 43.824 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV014806.D

Acq: 10 Mar 2020 16:31

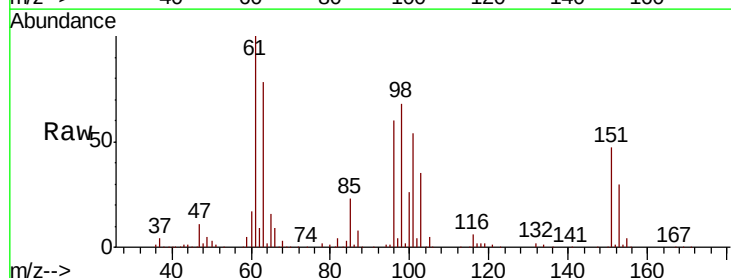
Tgt Ion: 96 Resp: 98144

Ion Ratio Lower Upper

96 100

61 168.0 118.4 220.0

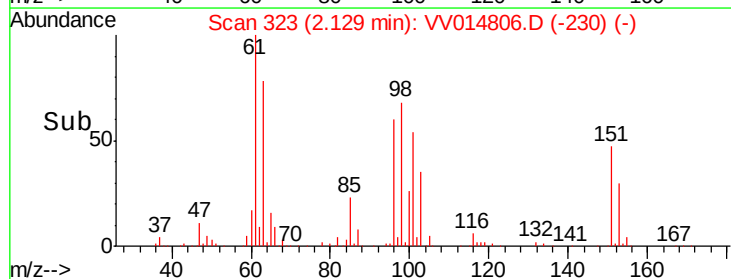
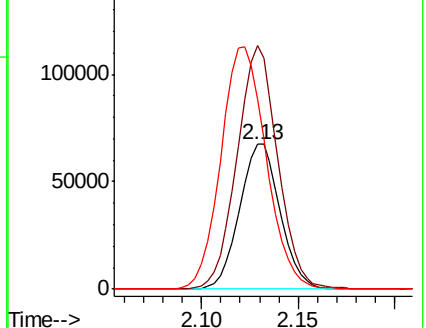
63 130.6 88.4 164.2

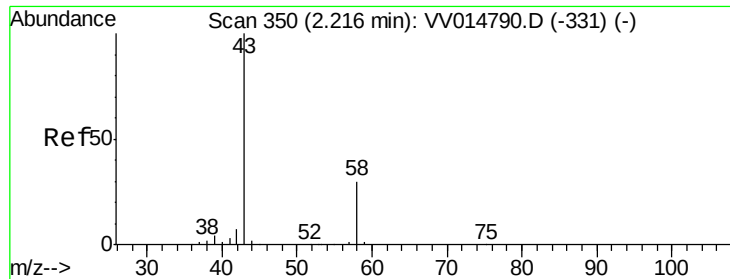


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 75.155 ug/L

RT: 2.22 min Scan# 351

Delta R.T. 0.00 min

Lab File: VV014806.D

Acq: 10 Mar 2020 16:31

Instrument :

MSVOA_V

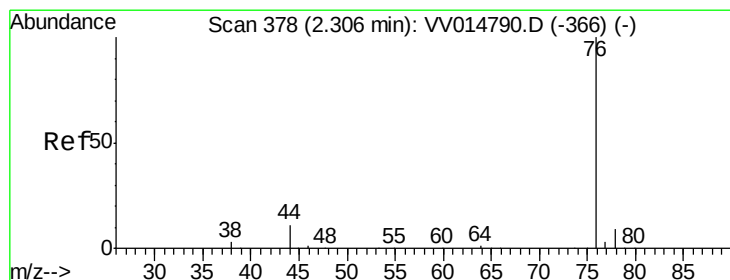
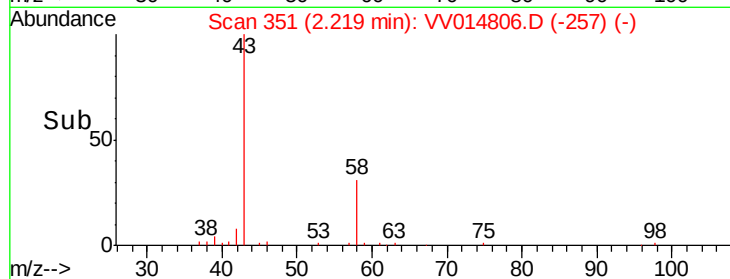
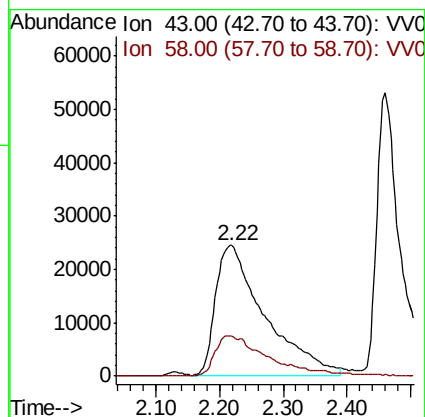
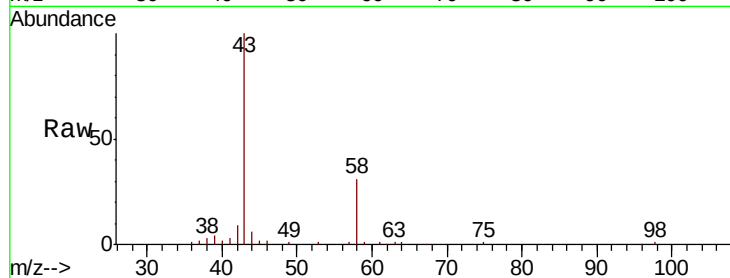
ClientSampleId :

Tot Ion: 43 Resp: 130562

Ion Ratio Lower Upper

43 100

58 13.8 0.0 62.2



#14

Carbon disulfide

Concen: 41.237 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV014806.D

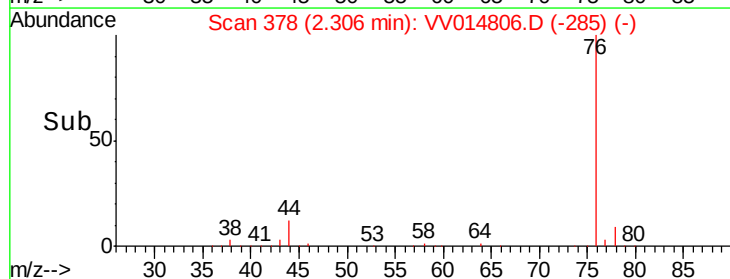
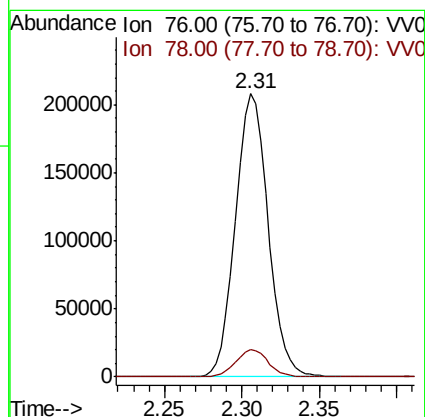
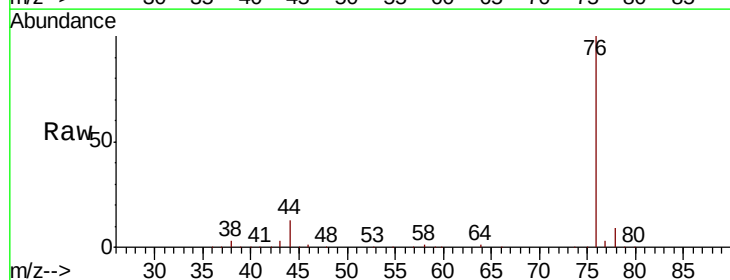
Acq: 10 Mar 2020 16:31

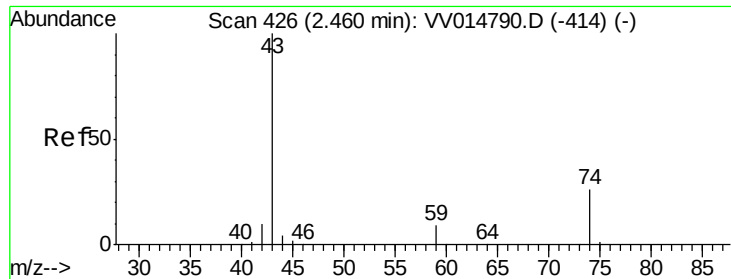
Tgt Ion: 76 Resp: 305331

Ion Ratio Lower Upper

76 100

78 9.5 7.1 10.7

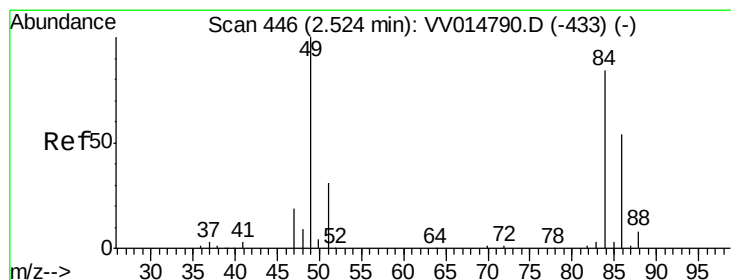
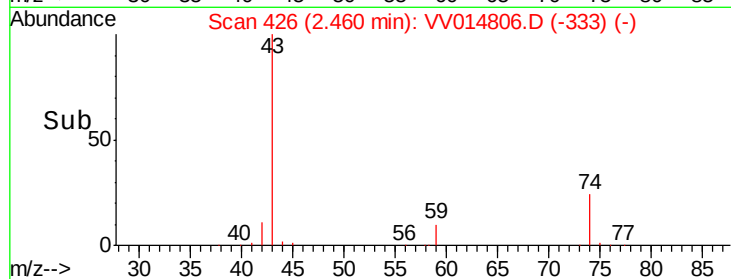
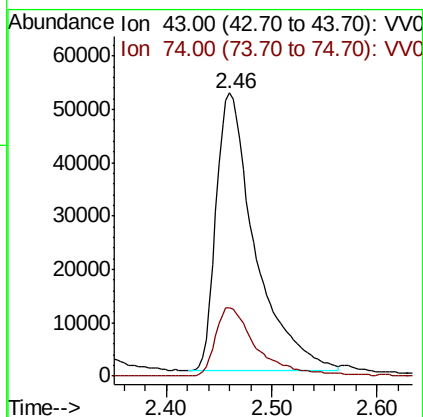
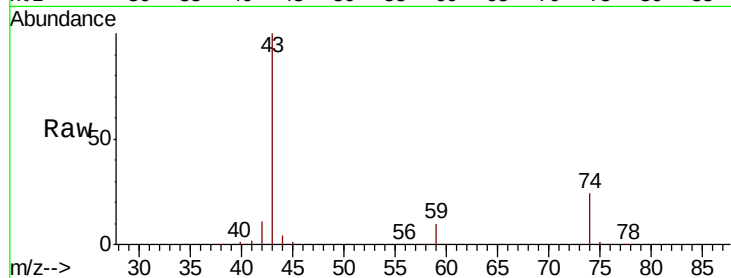




#15
Methvl Acetate
Concen: 41.106 ug/L
RT: 2.46 min Scan# 426
Delta R.T. -0.00 min
Lab File: VV014806.D
Acq: 10 Mar 2020 16:31

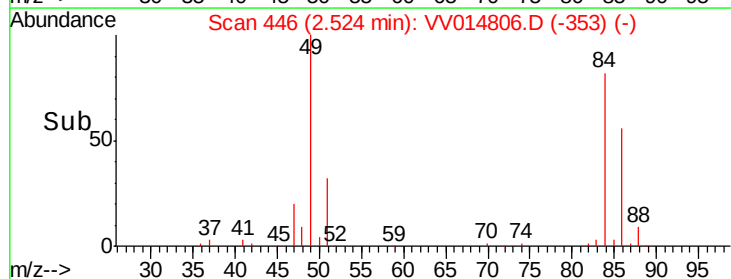
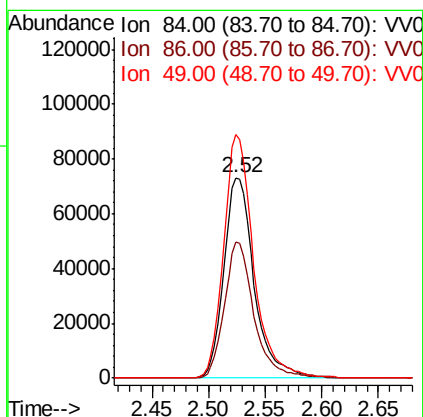
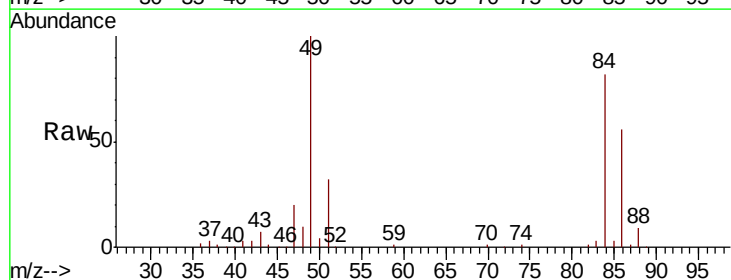
Instrument :
MSVOA_V
ClientSampleId :

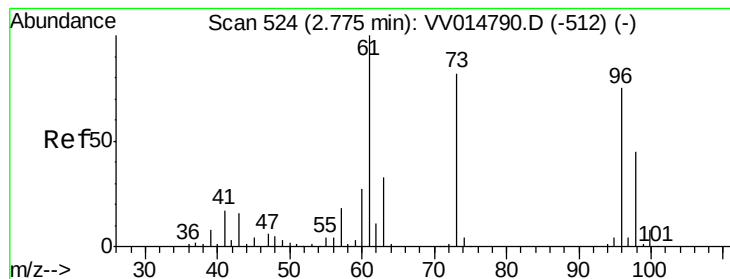
Tot Ion: 43 Resp: 134161
Ion Ratio Lower Upper
43 100
74 24.6 17.9 26.9



#16
Methylene chloride
Concen: 45.113 ug/L
RT: 2.52 min Scan# 446
Delta R.T. -0.00 min
Lab File: VV014806.D
Acq: 10 Mar 2020 16:31

Tgt Ion: 84 Resp: 137212
Ion Ratio Lower Upper
84 100
86 68.0 47.3 87.9
49 121.4 88.7 164.7





#17

trans-1,2-Dichloroethene

Concen: 46.123 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV014806.D

Acq: 10 Mar 2020 16:31

Instrument :
MSVOA_V
ClientSampleId :

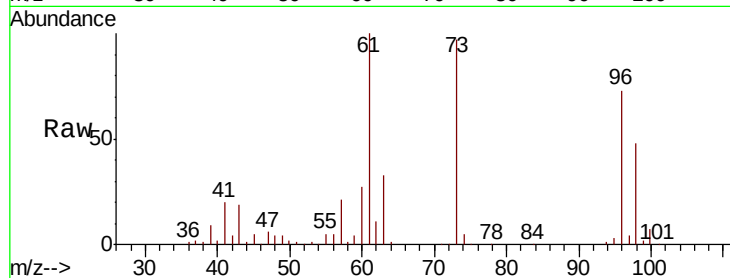
Tot Ion: 96 Resp: 127604

Ion Ratio Lower Upper

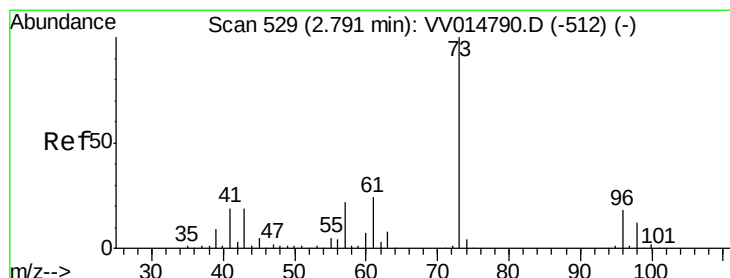
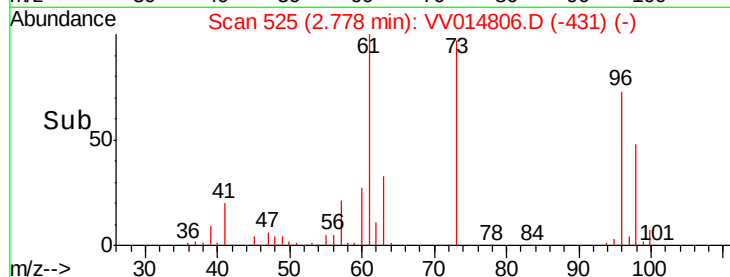
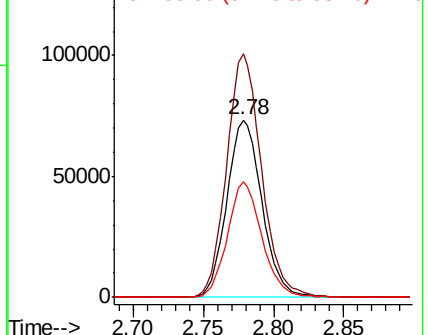
96 100

61 137.5 100.5 186.7

98 65.3 45.1 83.7



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



#18

Methyl tert-butyl Ether

Concen: 47.092 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.00 min

Lab File: VV014806.D

Acq: 10 Mar 2020 16:31

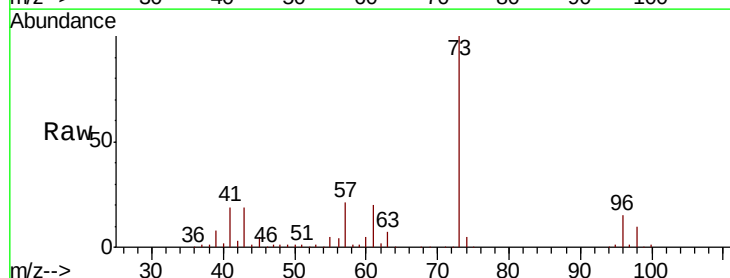
Tgt Ion: 73 Resp: 426542

Ion Ratio Lower Upper

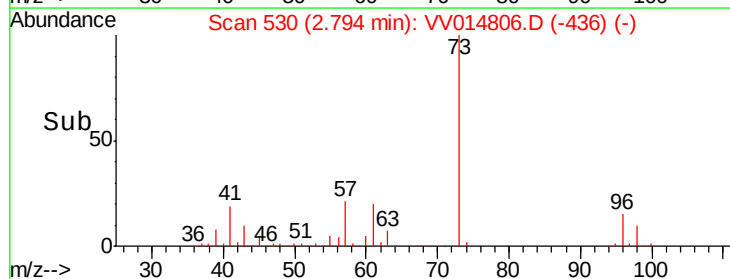
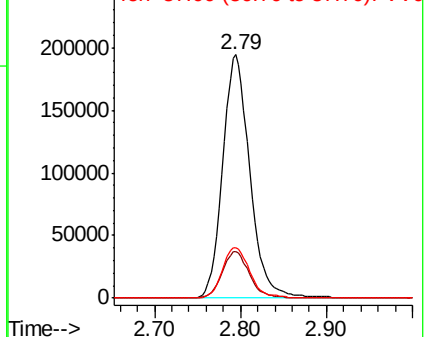
73 100

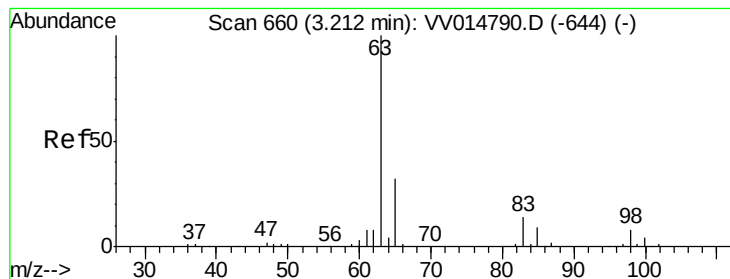
43 18.6 15.9 23.9

57 21.1 18.0 27.0



Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 44.115 ug/L

RT: 3.21 min Scan# 660

Delta R.T. -0.00 min

Lab File: VV014806.D

Acq: 10 Mar 2020 16:31

Instrument :

MSVOA_V

ClientSampled :

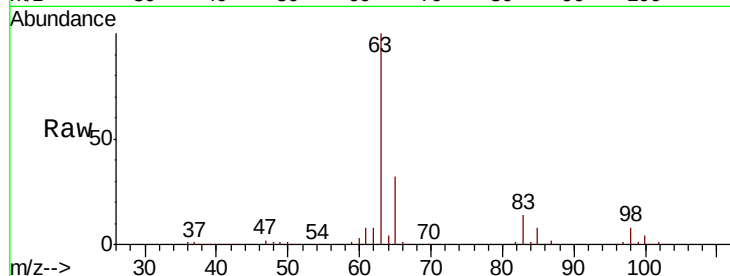
Tot Ion: 63 Resp: 238388

Ion Ratio Lower Upper

63 100

65 31.6 22.5 41.7

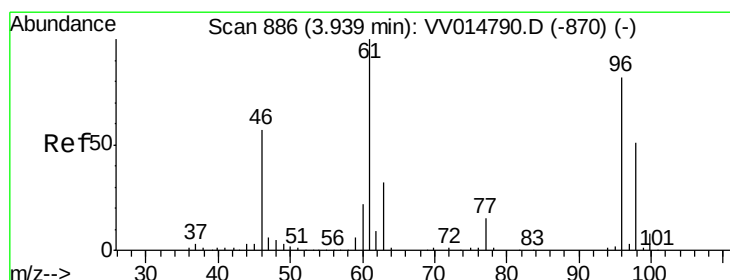
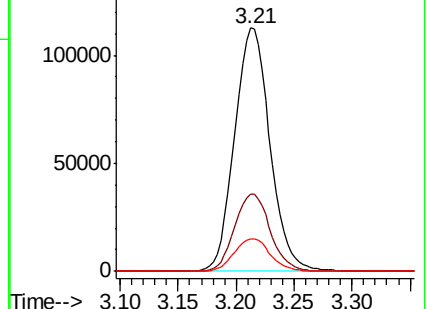
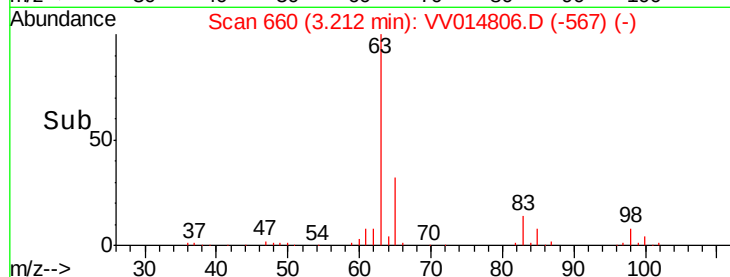
83 13.5 9.1 16.9



Abundance Ion 63.00 (62.70 to 63.70): VV014790.D (-644) (-)

Ion 65.00 (64.70 to 65.70): VV014790.D (-644) (-)

Ion 83.00 (82.70 to 83.70): VV014790.D (-644) (-)



#20

cis-1,2-Dichloroethene

Concen: 46.069 ug/L

RT: 3.94 min Scan# 886

Delta R.T. -0.00 min

Lab File: VV014806.D

Acq: 10 Mar 2020 16:31

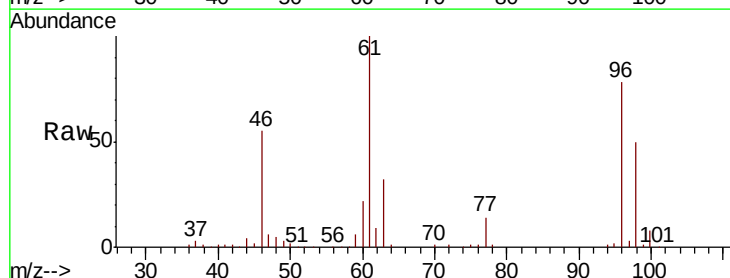
Tgt Ion: 96 Resp: 142550

Ion Ratio Lower Upper

96 100

61 128.2 92.2 171.2

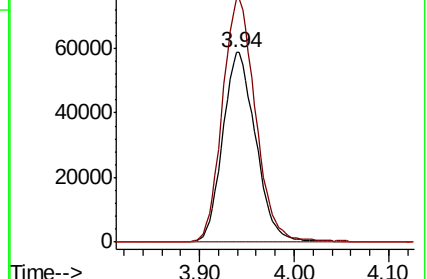
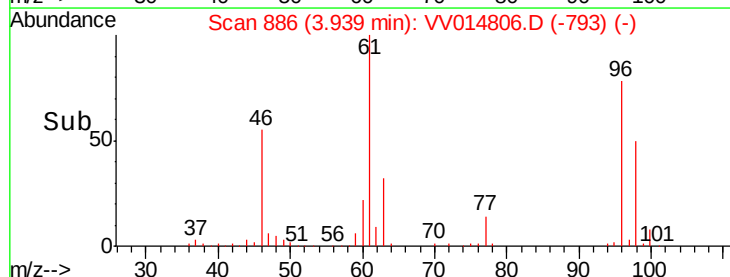
68 0.0 0.0 0.0

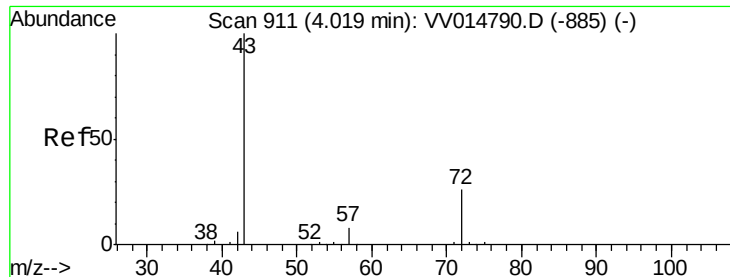


Abundance Ion 96.00 (95.70 to 96.70): VV014790.D (-870) (-)

Ion 61.00 (60.70 to 61.70): VV014790.D (-870) (-)

Ion 68.00 (67.70 to 68.70): VV014790.D (-870) (-)





#22

2-Butanone

Concen: 89.836 ug/L

RT: 4.02 min Scan# 911

Delta R.T. -0.00 min

Lab File: VV014806.D

Acq: 10 Mar 2020 16:31

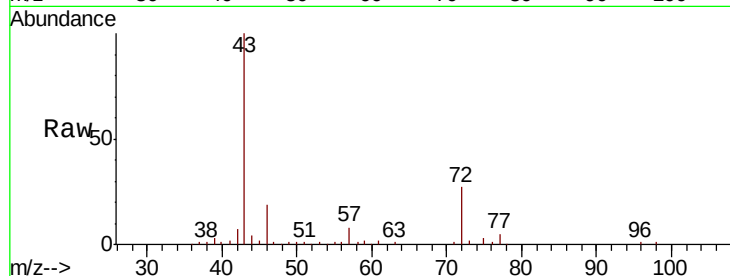
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 205878

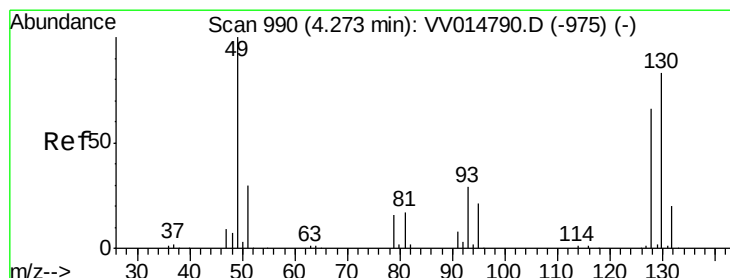
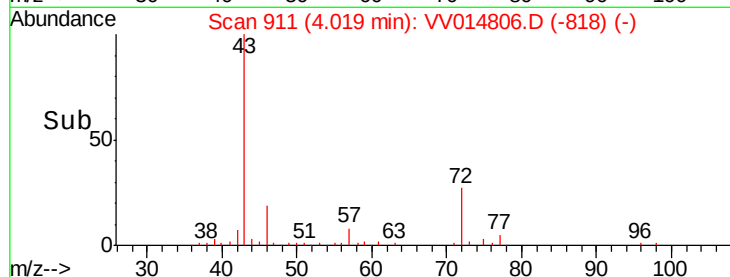
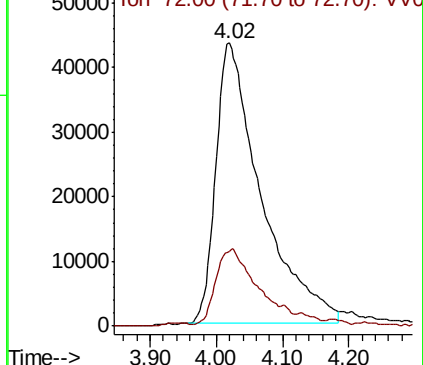
Ion Ratio Lower Upper

43 100

72 23.0 12.0 36.0



Abundance Ion 43.00 (42.70 to 43.70): VV014806.D (-818) (-)



#23

Bromochloromethane

Concen: 47.731 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.00 min

Lab File: VV014806.D

Acq: 10 Mar 2020 16:31

Tgt Ion: 128 Resp: 75191

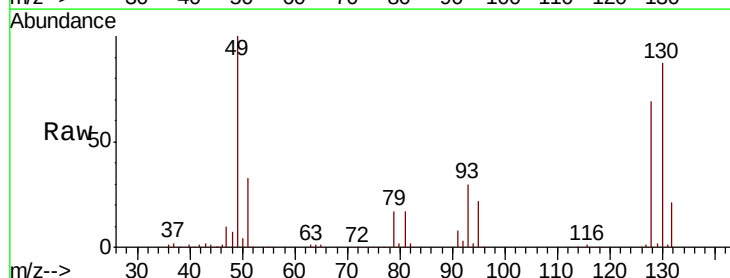
Ion Ratio Lower Upper

128 100

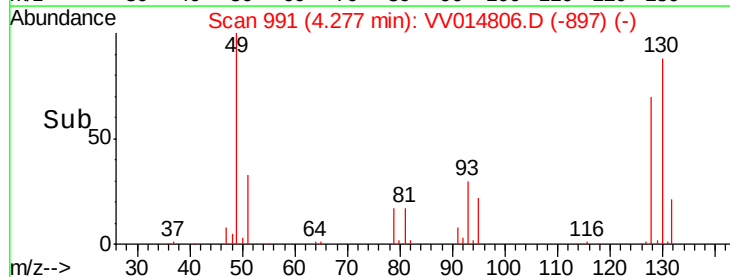
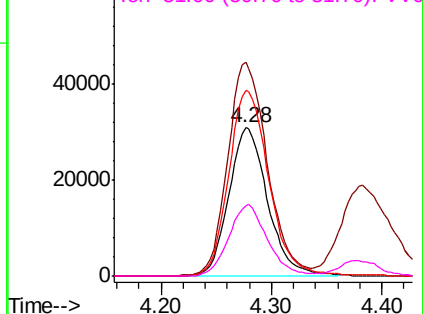
49 144.2 116.3 215.9

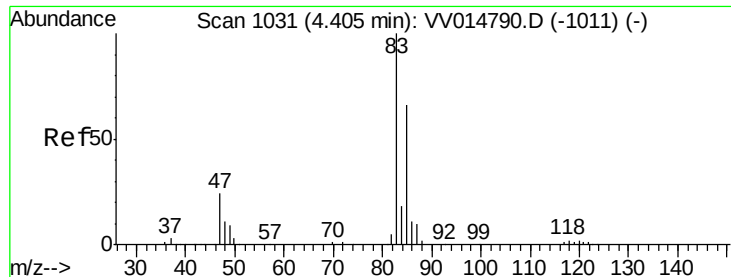
130 125.1 88.9 165.1

51 47.7 43.0 64.6



Abundance Ion 128.00 (127.70 to 128.70): VV014806.D (-897) (-)

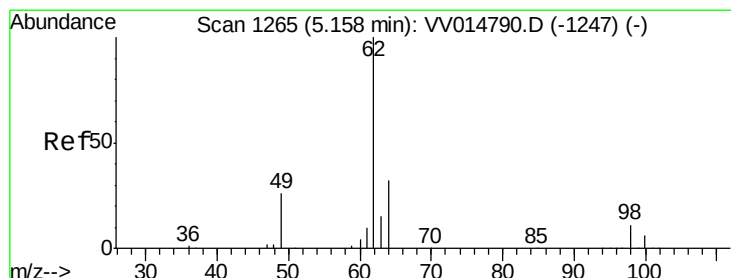
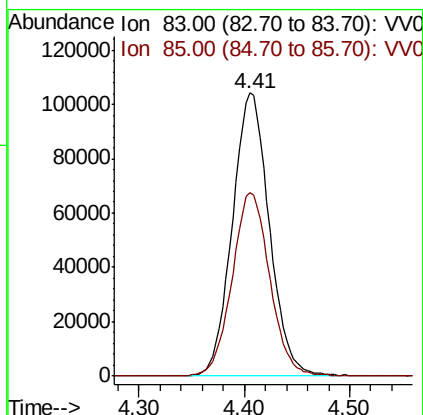
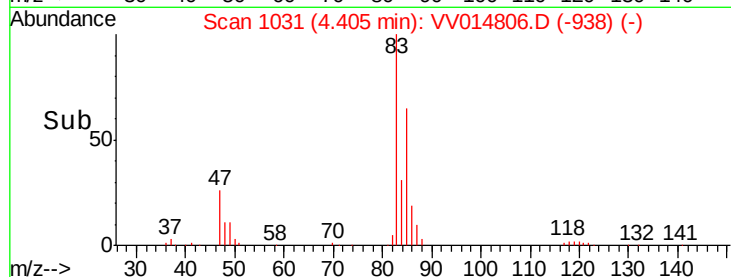
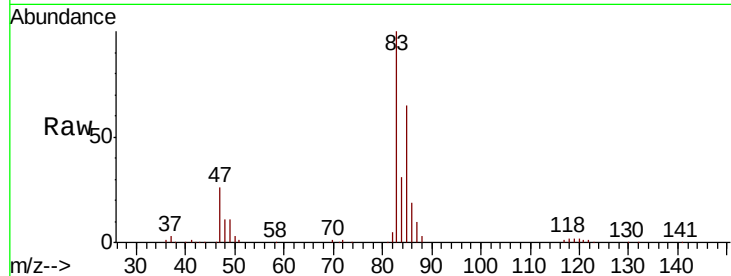




#25
Chloroform
Concen: 45.305 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VV014806.D
Acq: 10 Mar 2020 16:31

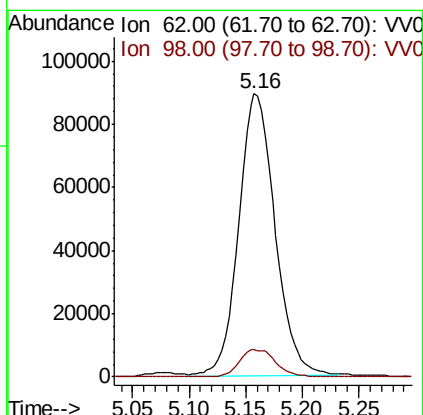
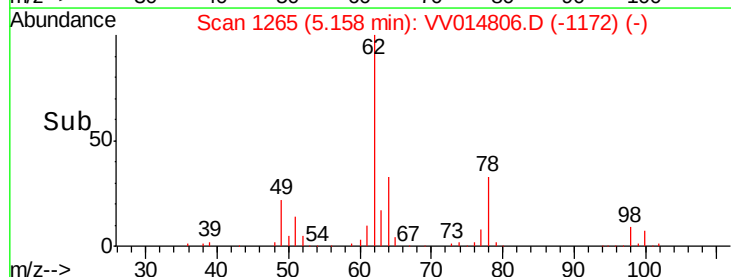
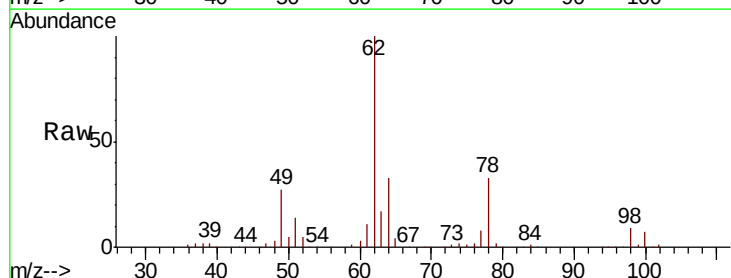
Instrument :
MSVOA_V
ClientSampled :

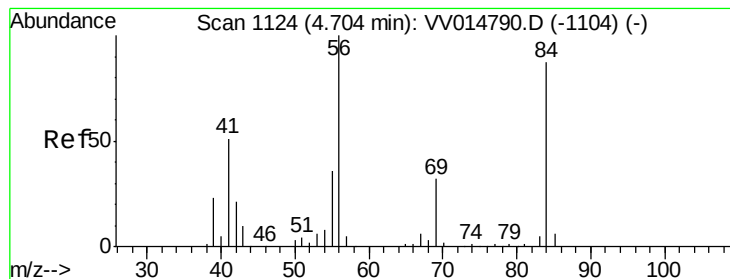
Tot Ion: 83 Resp: 253624
Ion Ratio Lower Upper
83 100
85 65.0 45.1 83.9



#27
1,2-Dichloroethane
Concen: 45.777 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VV014806.D
Acq: 10 Mar 2020 16:31

Tgt Ion: 62 Resp: 198617
Ion Ratio Lower Upper
62 100
98 9.5 7.2 10.8





#29

Cyclohexane

Concen: 44.492 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. -0.00 min

Lab File: VV014806.D

Acq: 10 Mar 2020 16:31

Instrument :

MSVOA_V

ClientSampleId :

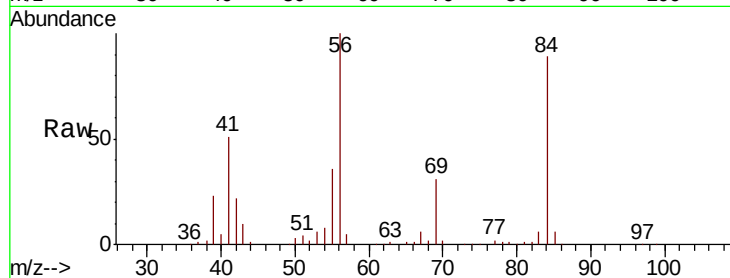
Tot Ion: 56 Resp: 220783

Ion Ratio Lower Upper

56 100

69 30.7 23.5 35.3

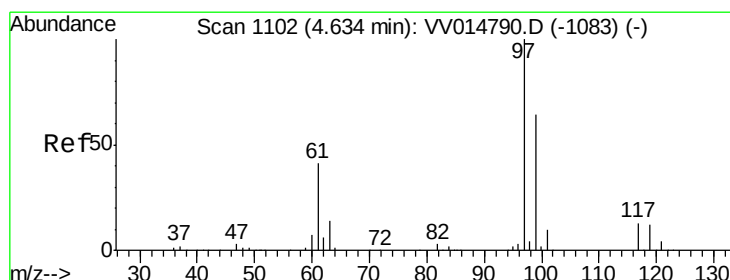
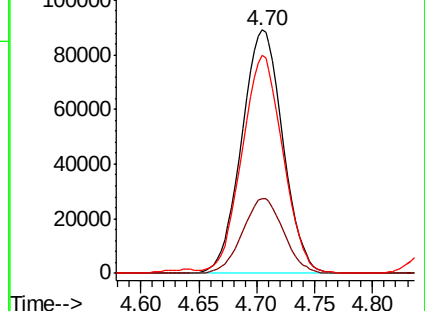
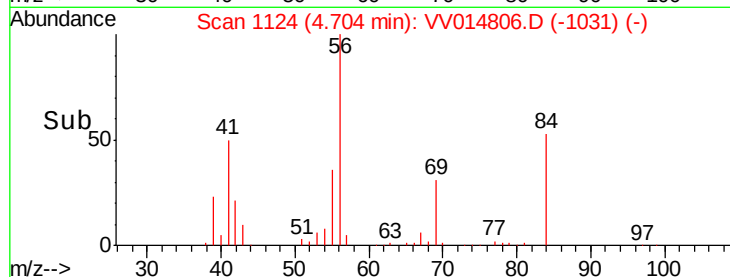
84 88.9 65.3 97.9



Abundance Ion 56.00 (55.70 to 56.70): VV014806.D (-1031) (-)

Ion 69.00 (68.70 to 69.70): VV014806.D (-1031) (-)

Ion 84.00 (83.70 to 84.70): VV014806.D (-1031) (-)



#30

1,1,1-Trichloroethane

Concen: 47.979 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VV014806.D

Acq: 10 Mar 2020 16:31

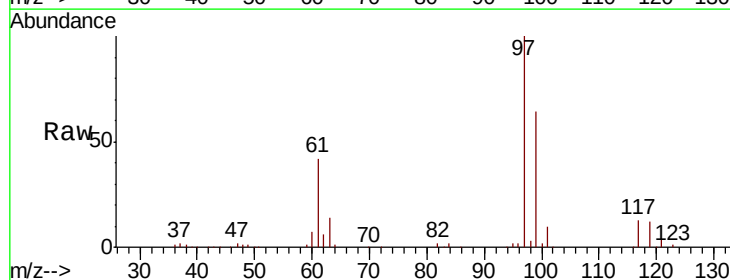
Tgt Ion: 97 Resp: 226553

Ion Ratio Lower Upper

97 100

99 64.3 51.6 77.4

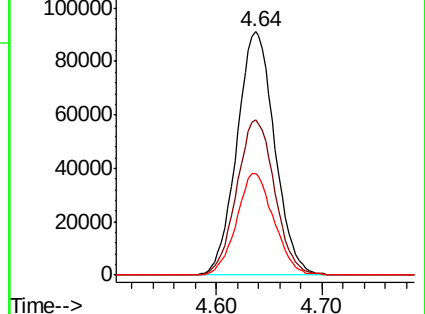
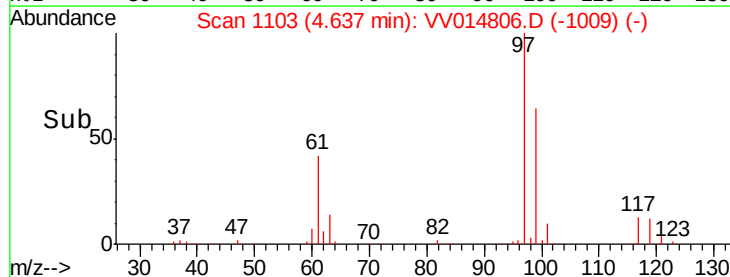
61 41.5 34.6 52.0

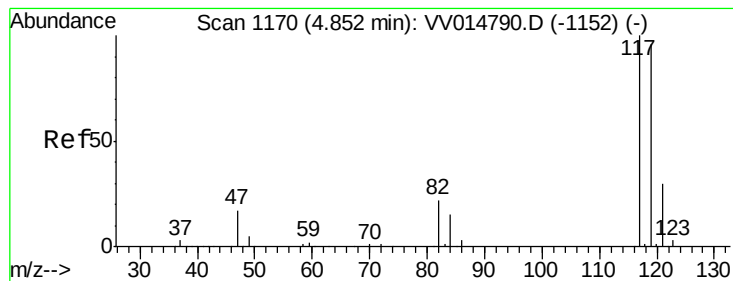


Abundance Ion 97.00 (96.70 to 97.70): VV014806.D (-1009) (-)

Ion 99.00 (98.70 to 99.70): VV014806.D (-1009) (-)

Ion 61.05 (60.75 to 61.75): VV014806.D (-1009) (-)





#31

Carbon tetrachloride

Concen: 49.951 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV014806.D

Acq: 10 Mar 2020 16:31

Instrument :

MSVOA_V

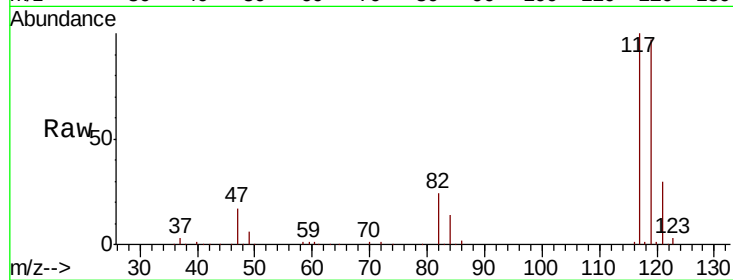
ClientSampleId :

Tot Ion:117 Resp: 200313

Ion Ratio Lower Upper

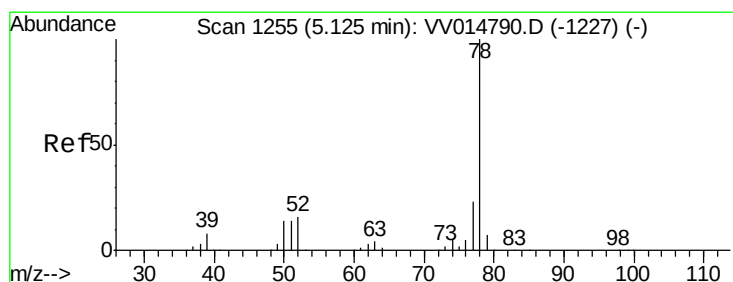
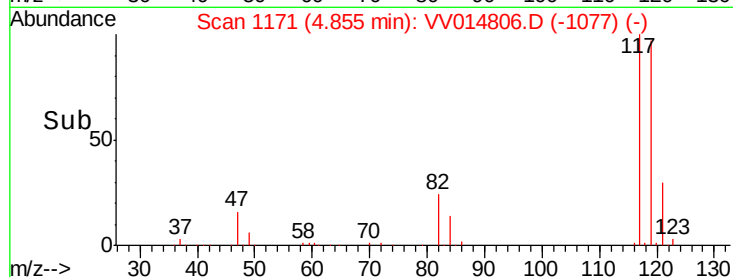
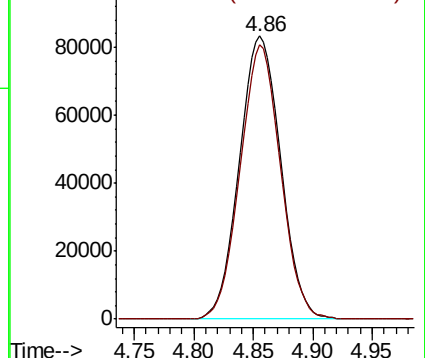
117 100

119 94.6 76.5 114.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 46.200 ug/L

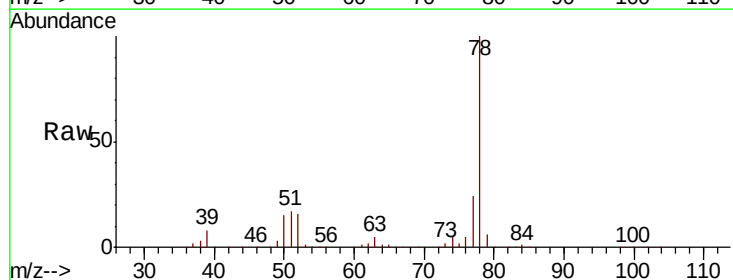
RT: 5.13 min Scan# 1255

Delta R.T. -0.00 min

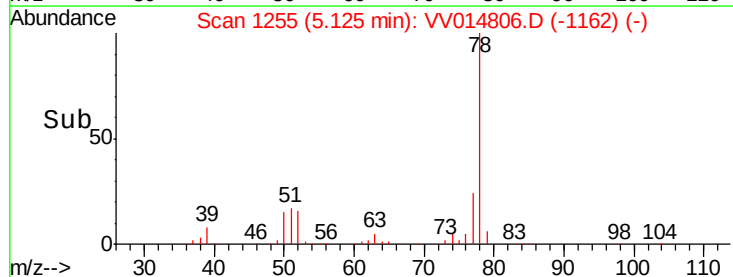
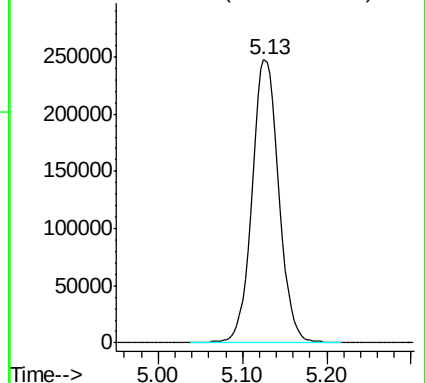
Lab File: VV014806.D

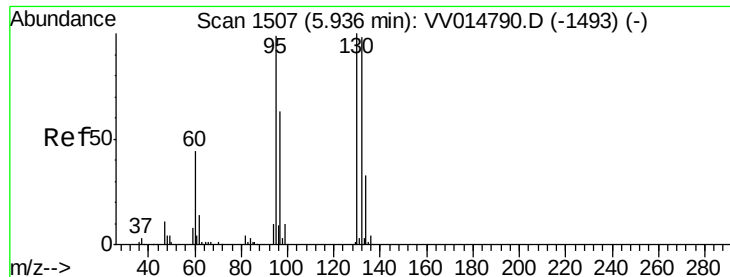
Acq: 10 Mar 2020 16:31

Tgt Ion: 78 Resp: 545108



Abundance Ion 78.00 (77.70 to 78.70): VV0

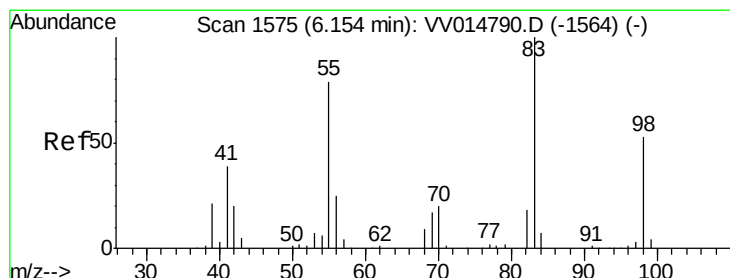
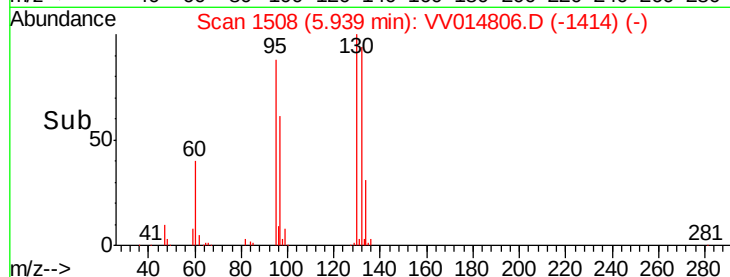
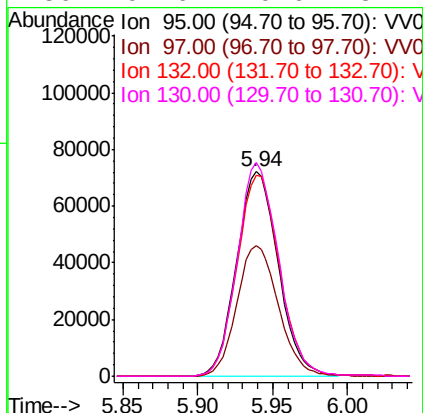
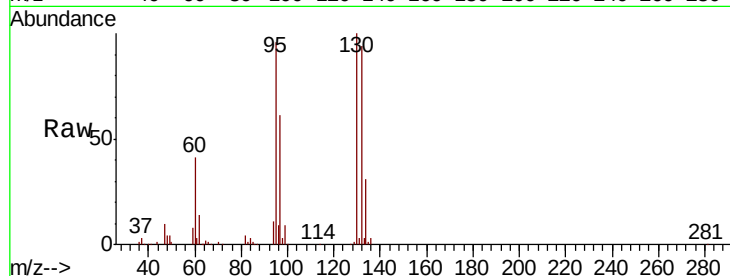




#34
 Trichloroethene
 Concen: 45.404 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. 0.00 min
 Lab File: VV014806.D
 Acq: 10 Mar 2020 16:31

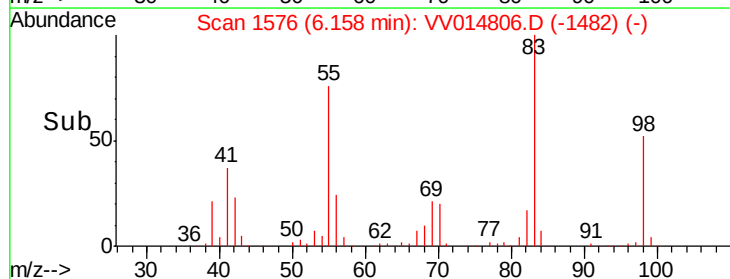
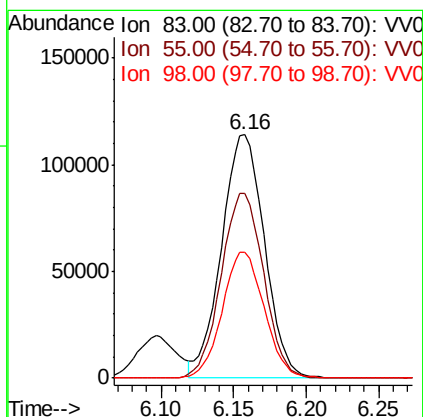
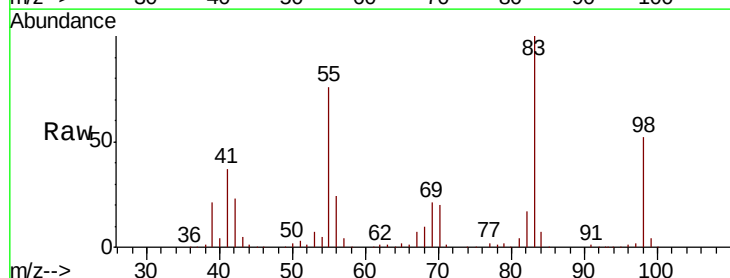
Instrument :
 MSVOA_V
 ClientSampleId :

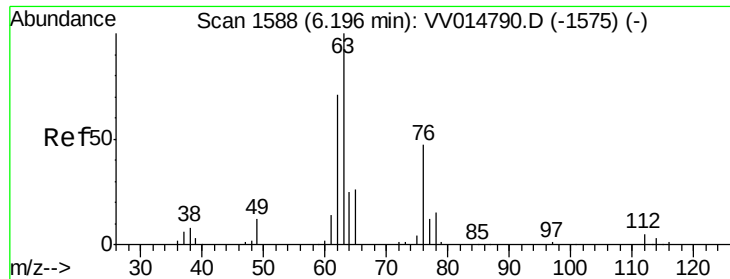
Tot Ion:	95	Resp:	140001
Ion	Ratio	Lower	Upper
95	100		
97	63.9	43.8	81.4
132	98.2	65.8	122.2
130	104.6	70.6	131.2



#35
 Methylcyclohexane
 Concen: 46.178 ug/L
 RT: 6.16 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: VV014806.D
 Acq: 10 Mar 2020 16:31

Tgt Ion:	83	Resp:	235044
Ion	Ratio	Lower	Upper
83	100		
55	75.1	63.4	95.2
98	50.7	36.8	55.2

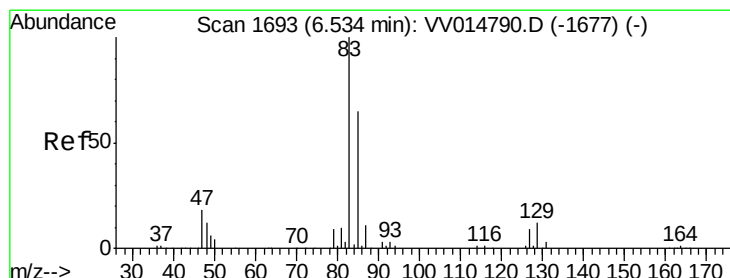
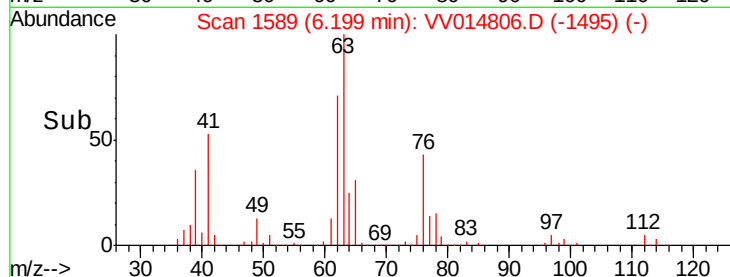
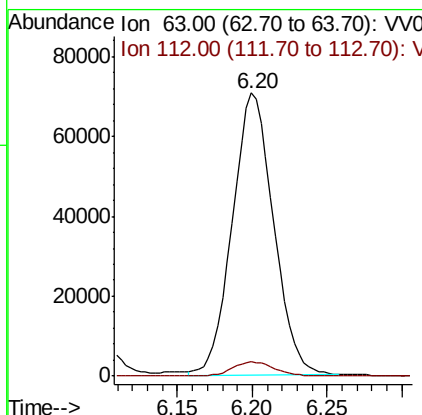
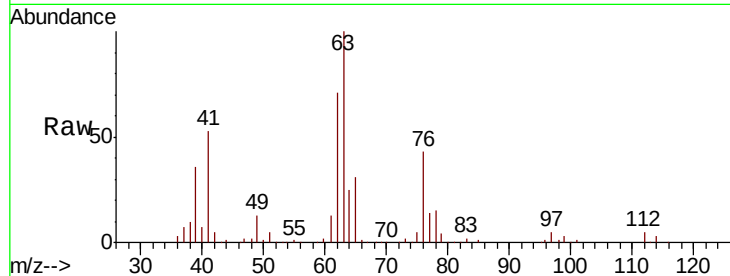




#37
 1,2-Dichloropropane
 Concen: 42.442 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VV014806.D
 Acq: 10 Mar 2020 16:31

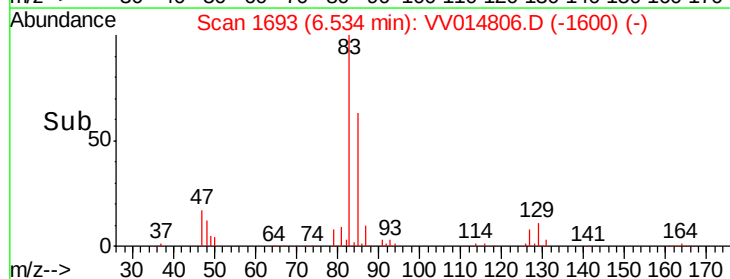
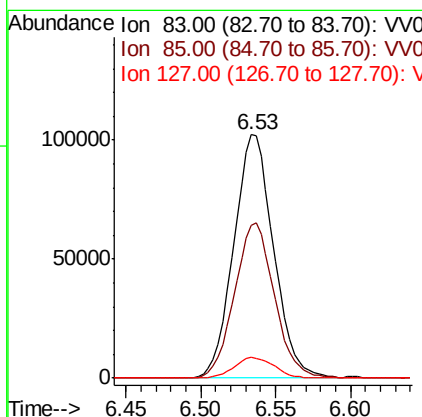
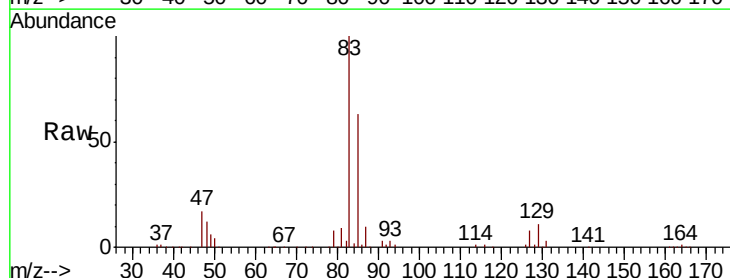
Instrument :
 MSVOA_V
 ClientSampled :

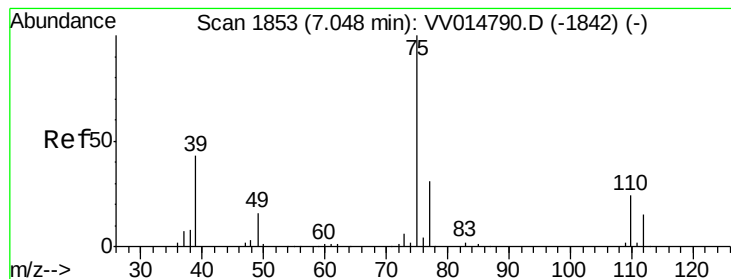
Tot Ion: 63 Resp: 135322
 Ion Ratio Lower Upper
 63 100
 112 5.2 3.2 4.8#



#38
 Bromodichloromethane
 Concen: 46.722 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. -0.00 min
 Lab File: VV014806.D
 Acq: 10 Mar 2020 16:31

Tgt Ion: 83 Resp: 189497
 Ion Ratio Lower Upper
 83 100
 85 63.0 45.1 83.7
 127 8.5 6.7 10.1



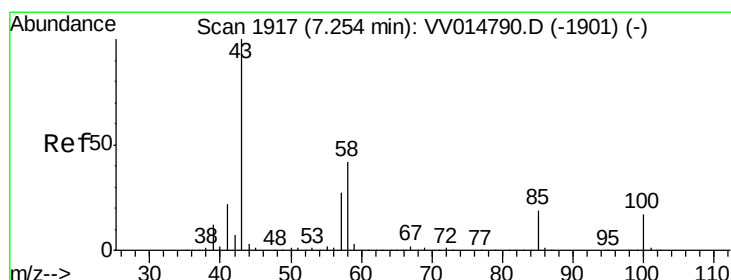
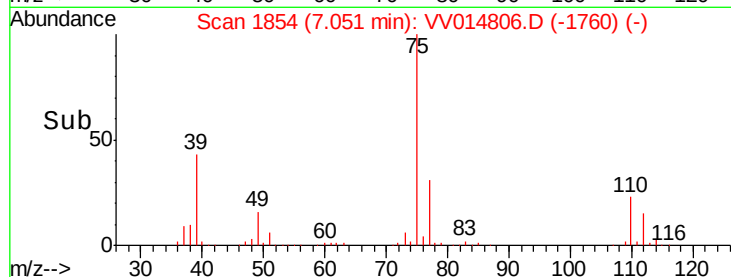
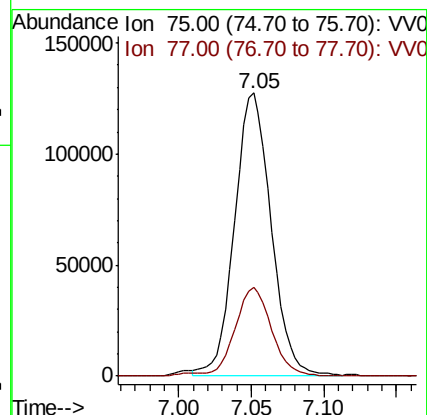
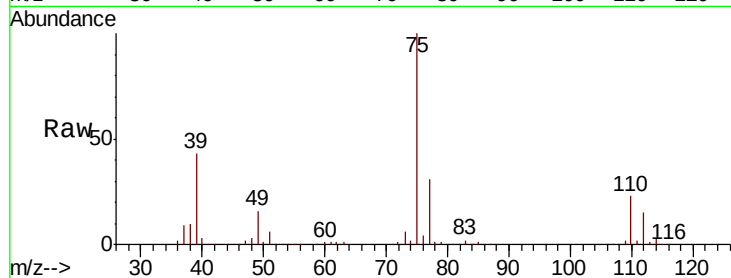


#39

cis-1,3-Dichloropropene
Concen: 44.735 ug/L
RT: 7.05 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VV014806.D
Acq: 10 Mar 2020 16:31

Instrument :
MSVOA_V
ClientSampled :

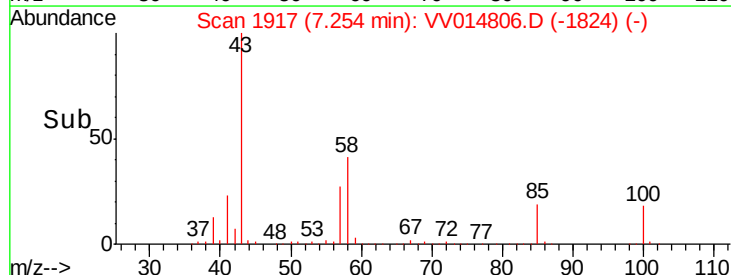
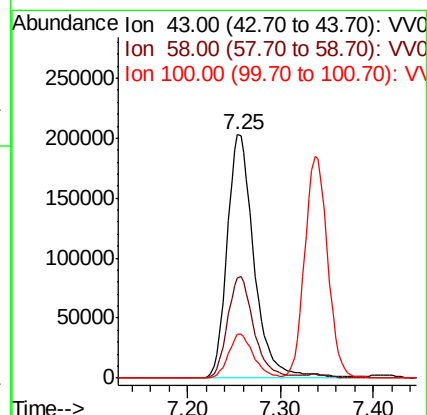
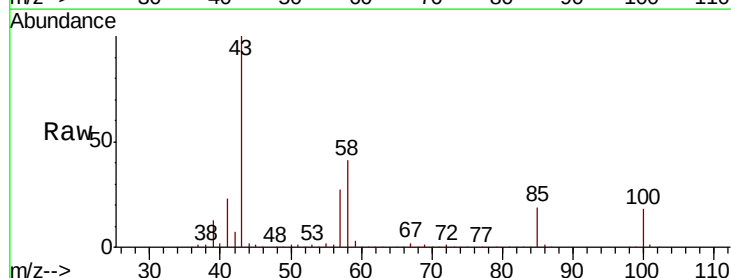
Tot Ion: 75 Resp: 223566
Ion Ratio Lower Upper
75 100
77 31.3 22.8 42.4

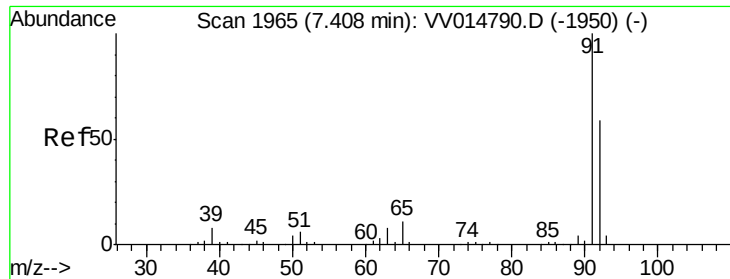


#40

4-Methyl-2-pentanone
Concen: 88.444 ug/L
RT: 7.25 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VV014806.D
Acq: 10 Mar 2020 16:31

Tgt Ion: 43 Resp: 408655
Ion Ratio Lower Upper
43 100
58 40.9 31.0 46.4
100 16.9 11.2 16.8#





#42

Toluene

Concen: 46.549 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV014806.D

Acq: 10 Mar 2020 16:31

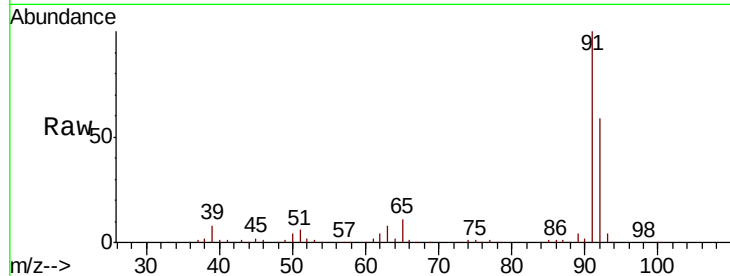
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 605926

Ion Ratio Lower Upper

91 100

92 58.7 40.1 74.5



Abundance Ion 91.00 (90.70 to 91.70): VV014790.D (-1950) (-)

Ion 92.00 (91.70 to 92.70): VV014790.D (-1950) (-)

7.41

400000

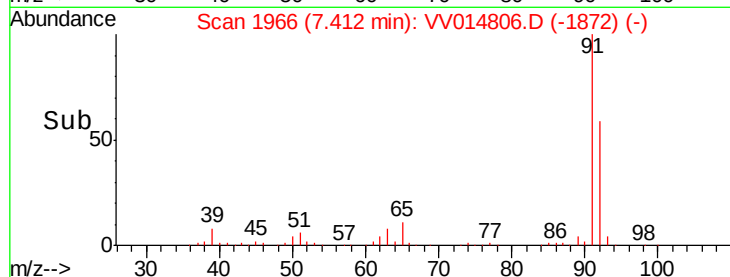
300000

200000

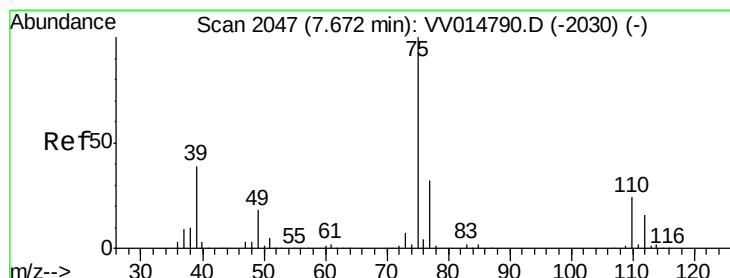
100000

0

Time-->



Time-->



#44

trans-1,3-Dichloropropene

Concen: 44.303 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. -0.00 min

Lab File: VV014806.D

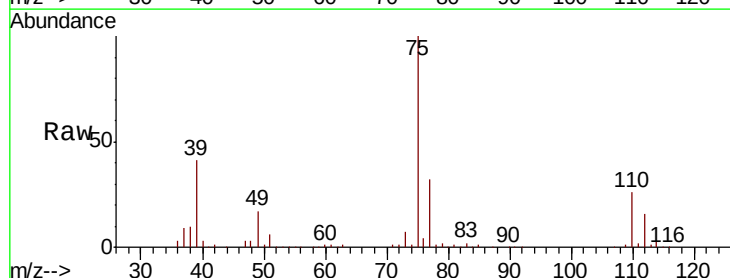
Acq: 10 Mar 2020 16:31

Tgt Ion: 75 Resp: 201837

Ion Ratio Lower Upper

75 100

77 31.5 22.0 40.8



Abundance Ion 75.00 (74.70 to 75.70): VV014790.D (-2030) (-)

Ion 77.00 (76.70 to 77.70): VV014790.D (-2030) (-)

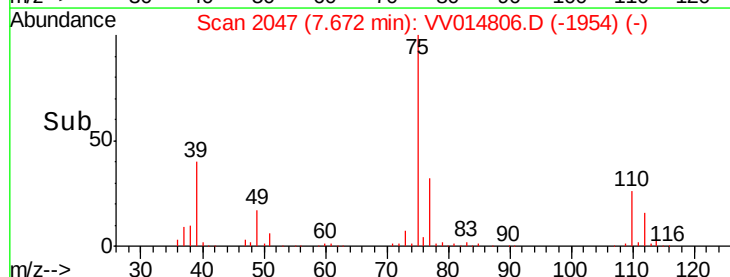
7.67

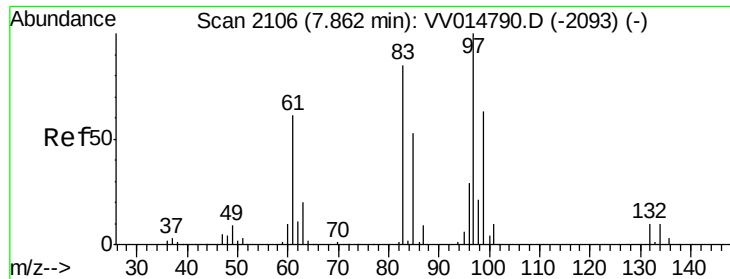
100000

50000

0

Time-->

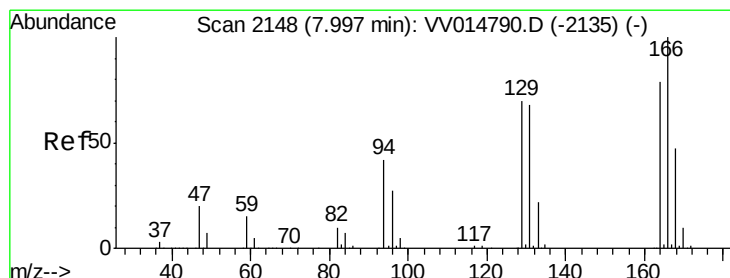
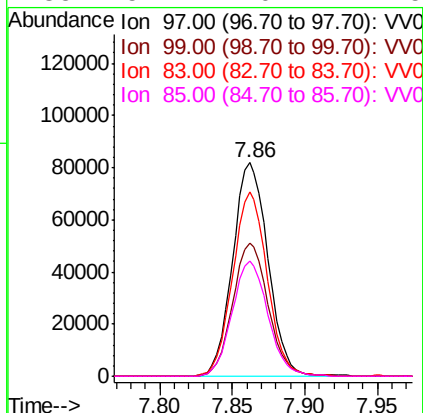
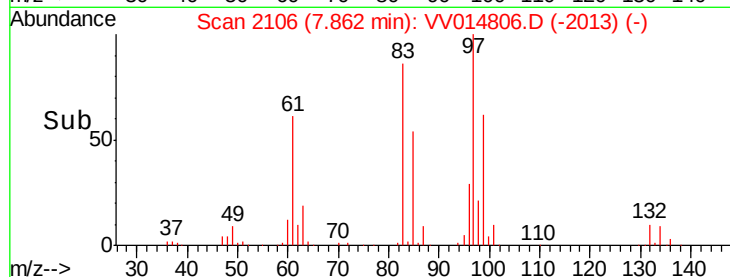
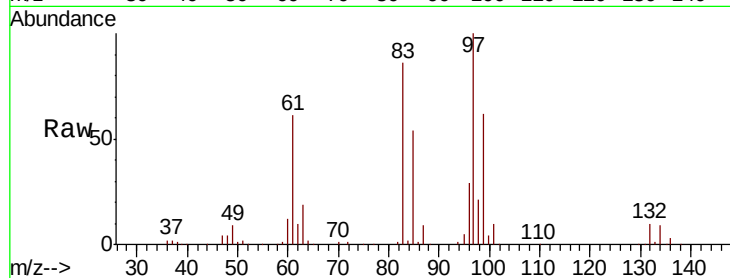




#45
 1,1,2-Trichloroethane
 Concen: 47.175 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. -0.00 min
 Lab File: VV014806.D
 Acq: 10 Mar 2020 16:31

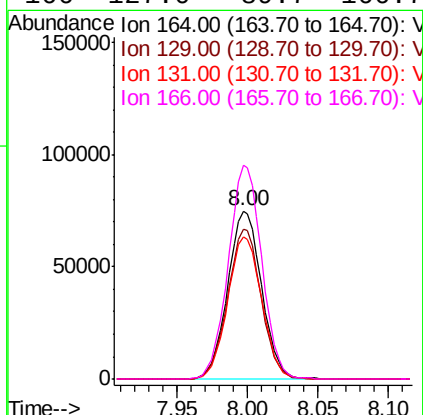
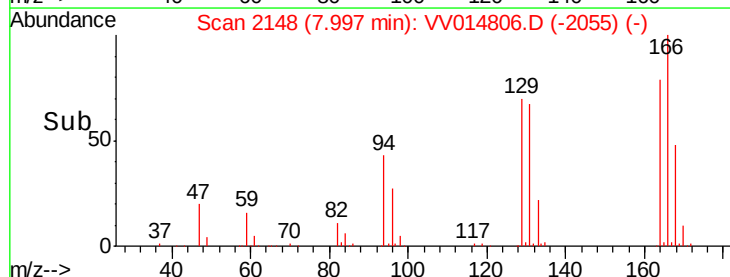
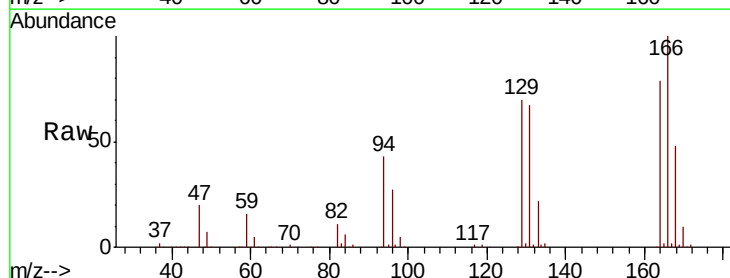
Instrument :
 MSVOA_V
 ClientSampleId :

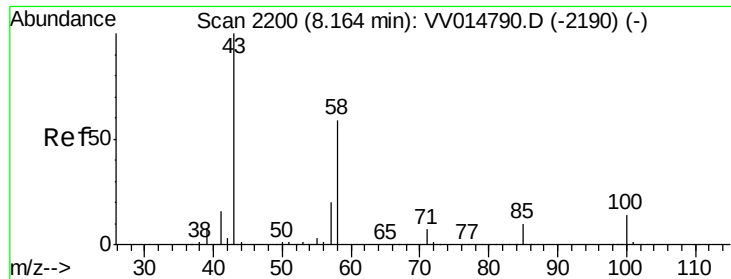
Tot Ion:	97	Resp:	138527
Ion	Ratio	Lower	Upper
97	100		
99	62.4	43.1	80.1
83	86.3	62.4	115.8
85	54.2	40.1	74.5



#46
 Tetrachloroethene
 Concen: 49.758 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. -0.00 min
 Lab File: VV014806.D
 Acq: 10 Mar 2020 16:31

Tgt Ion:	164	Resp:	125530
Ion	Ratio	Lower	Upper
164	100		
129	88.9	66.0	122.6
131	84.8	63.9	118.7
166	127.0	89.7	166.7

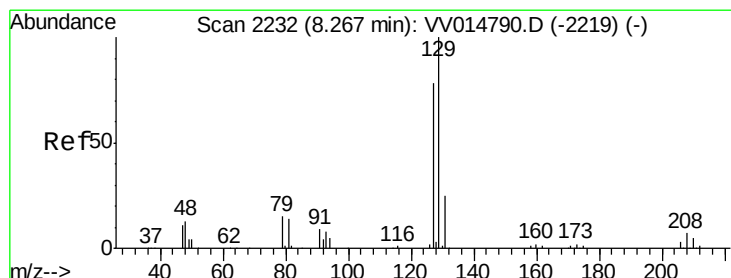
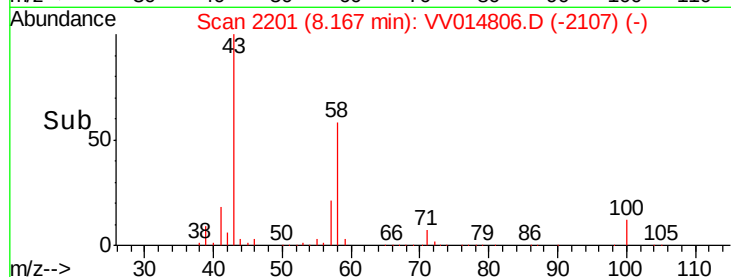
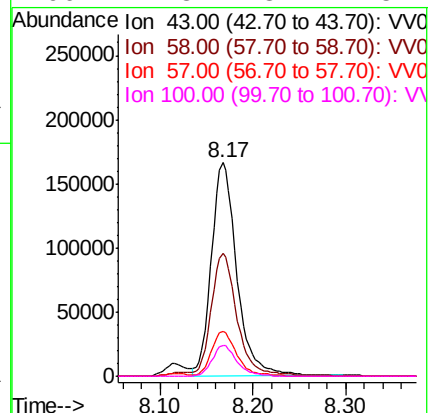
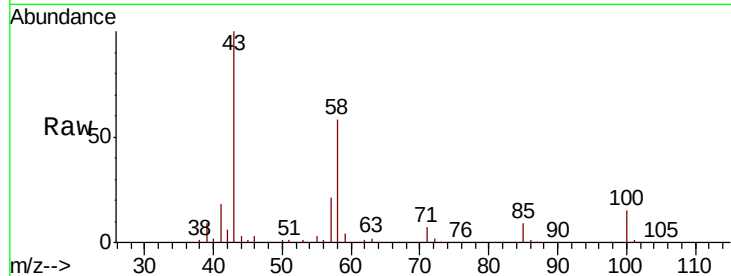




#48
2-Hexanone
Concen: 87.228 ug/L
RT: 8.17 min Scan# 2201
Delta R.T. 0.00 min
Lab File: VV014806.D
Acq: 10 Mar 2020 16:31

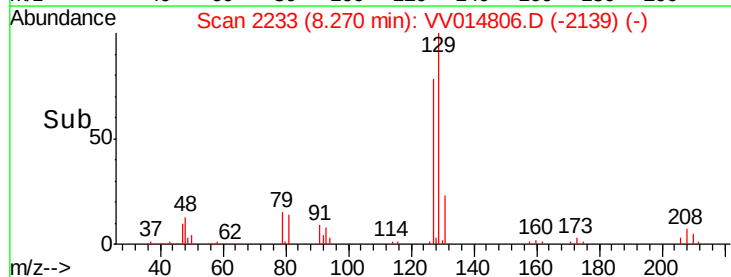
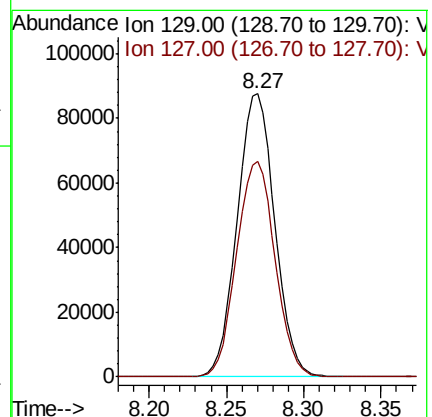
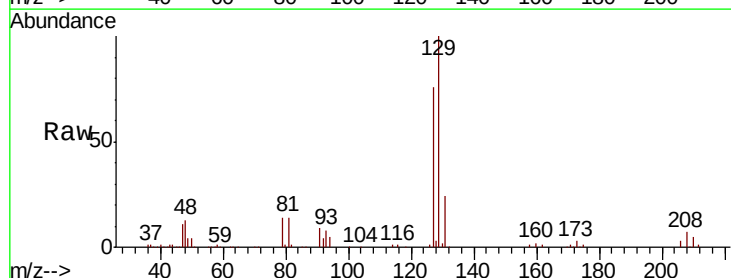
Instrument :
MSVOA_V
ClientSampled :

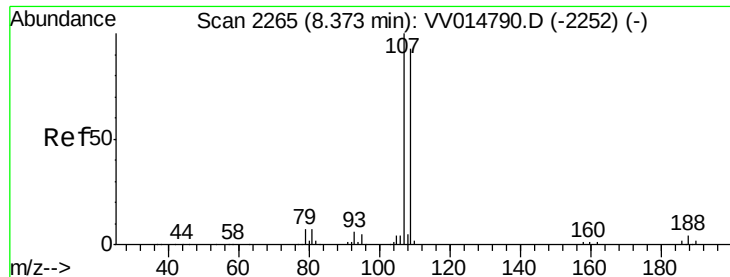
Tot Ion: 43 Resp: 316984
Ion Ratio Lower Upper
43 100
58 59.0 43.3 64.9
57 20.6 15.6 23.4
100 14.3 8.7 13.1#



#49
Dibromochloromethane
Concen: 46.244 ug/L
RT: 8.27 min Scan# 2233
Delta R.T. 0.00 min
Lab File: VV014806.D
Acq: 10 Mar 2020 16:31

Tgt Ion: 129 Resp: 148006
Ion Ratio Lower Upper
129 100
127 76.1 53.9 100.1

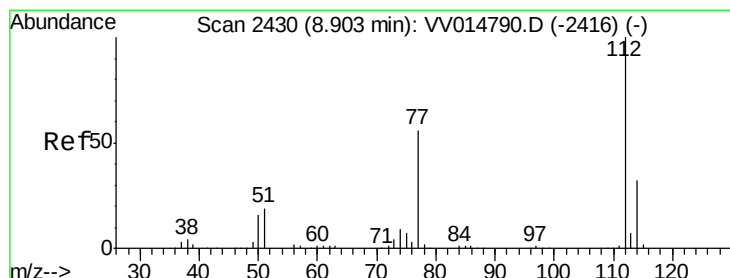
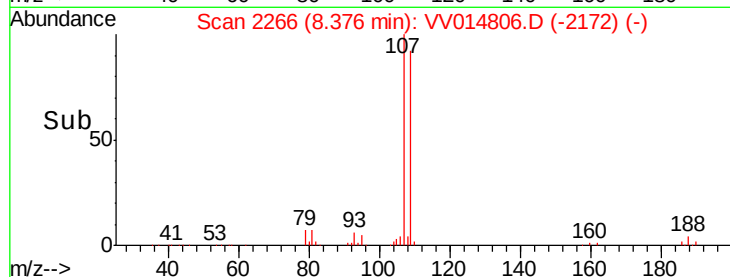
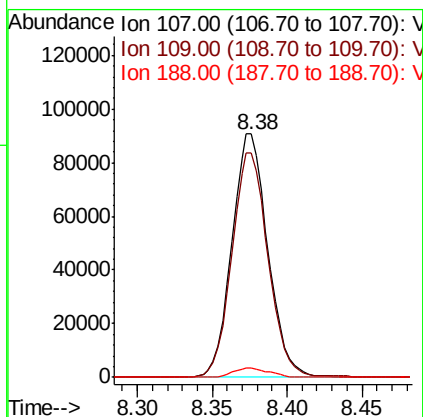
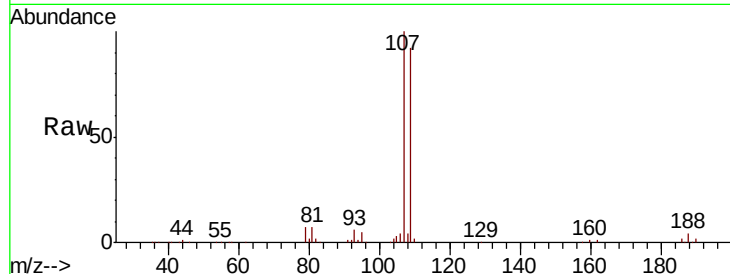




#50
1,2-Dibromoethane
Concen: 47.681 ug/L
RT: 8.38 min Scan# 2266
Delta R.T. 0.00 min
Lab File: VV014806.D
Acq: 10 Mar 2020 16:31

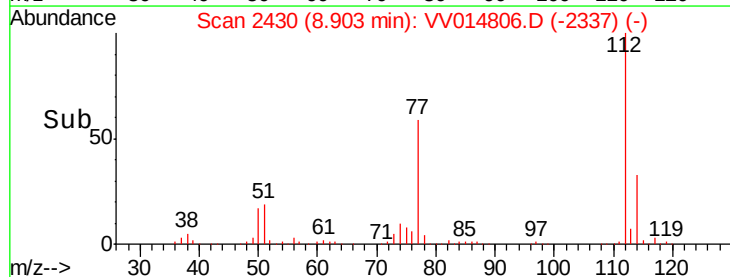
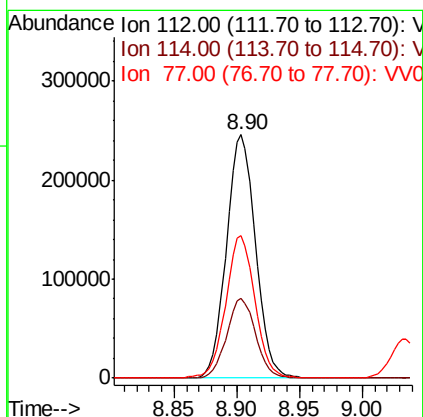
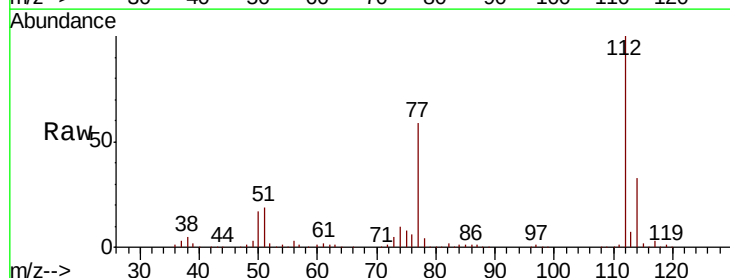
Instrument :
MSVOA_V
ClientSampled :

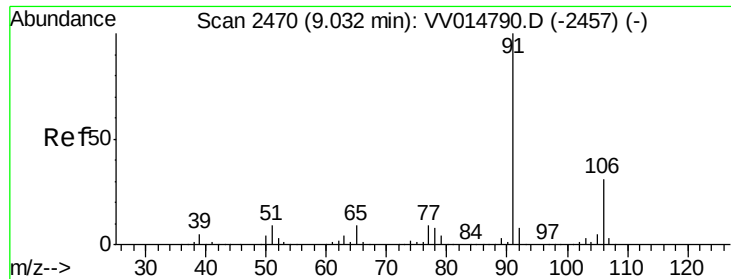
Tot Ion:107 Resp: 151347
Ion Ratio Lower Upper
107 100
109 92.1 66.6 123.6
188 3.9 3.0 4.6



#51
Chlorobenzene
Concen: 47.262 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VV014806.D
Acq: 10 Mar 2020 16:31

Tgt Ion:112 Resp: 395834
Ion Ratio Lower Upper
112 100
114 32.5 22.1 41.1
77 58.6 47.8 71.8





#52

Ethylbenzene

Concen: 46.853 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV014806.D

Acq: 10 Mar 2020 16:31

Instrument :

MSVOA_V

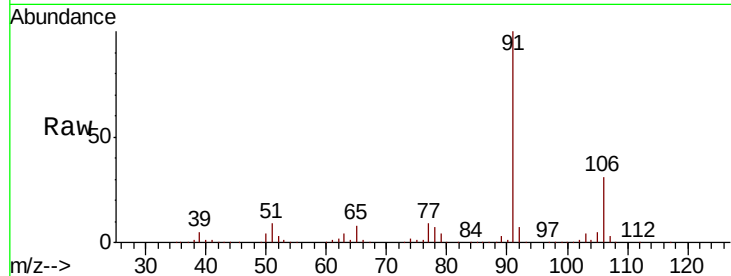
ClientSampleId :

Tot Ion: 91 Resp: 687082

Ion Ratio Lower Upper

91 100

106 31.0 21.3 39.6



Abundance Ion 91.00 (90.70 to 91.70): VV014790.D (-2457) (-)

Ion 106.00 (105.70 to 106.70): VV014790.D (-2457) (-)

9.04

400000

300000

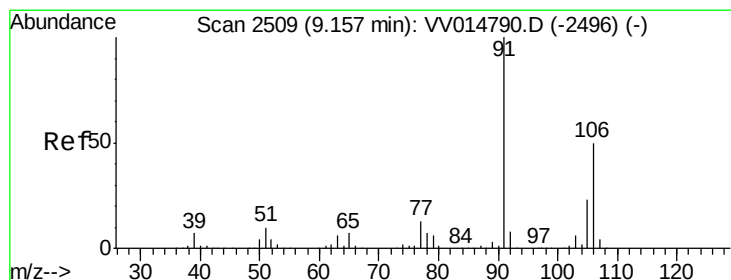
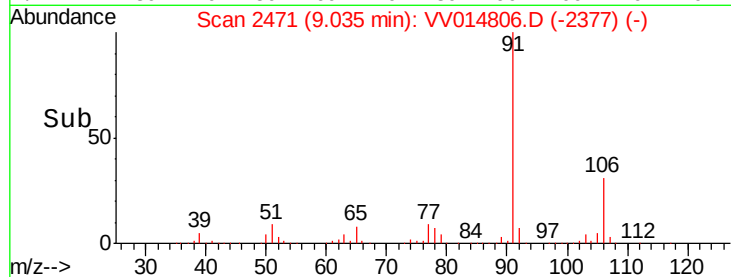
200000

100000

0

Time-->

8.95 9.00 9.05 9.10



#53

m,p-Xylene

Concen: 48.501 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV014806.D

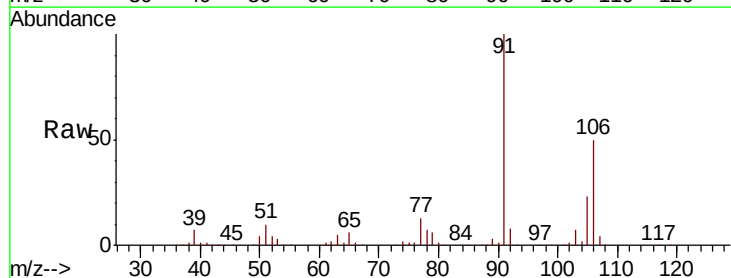
Acq: 10 Mar 2020 16:31

Tgt Ion: 106 Resp: 266917

Ion Ratio Lower Upper

106 100

91 199.0 145.1 269.5



Abundance Ion 106.00 (105.70 to 106.70): VV014790.D (-2496) (-)

Ion 91.00 (90.70 to 91.70): VV014790.D (-2496) (-)

9.16

300000

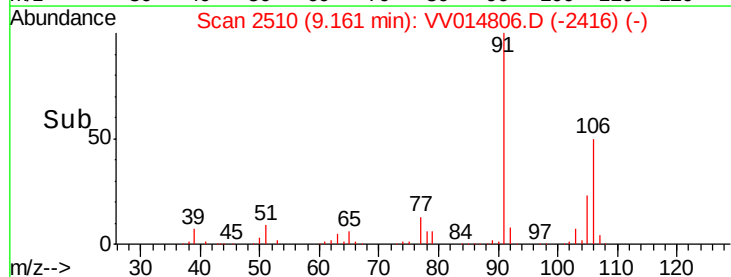
200000

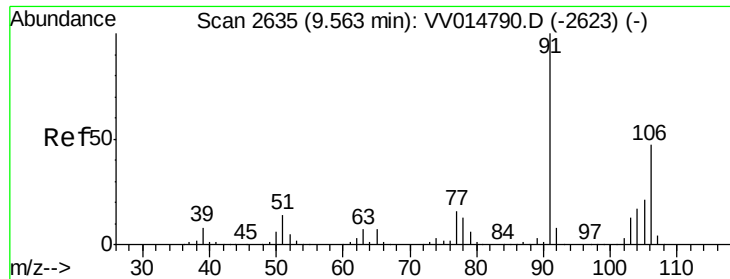
100000

0

Time-->

9.10 9.15 9.20 9.25

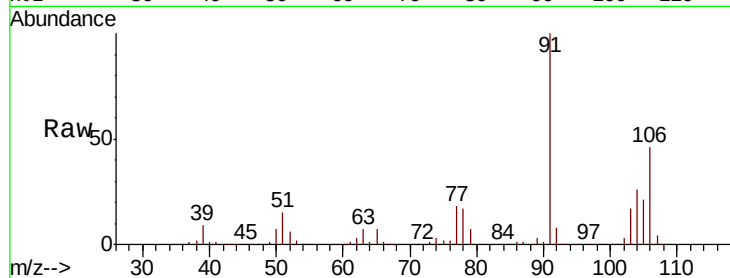




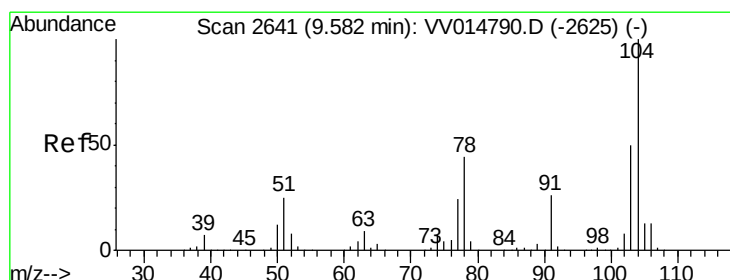
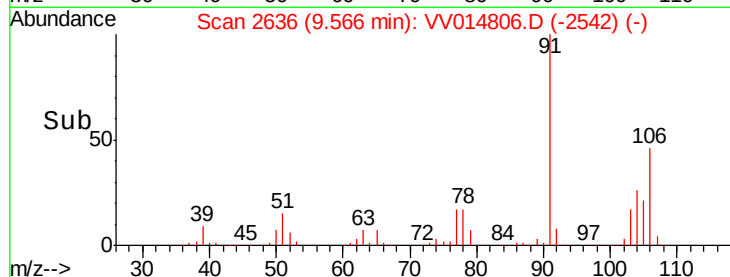
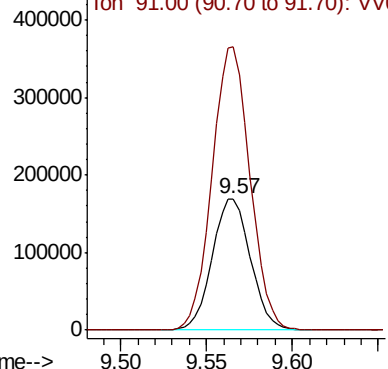
#54
o-xylene
Concen: 48.444 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV014806.D
Acq: 10 Mar 2020 16:31

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 261888
Ion Ratio Lower Upper
106 100
91 215.7 152.5 283.3

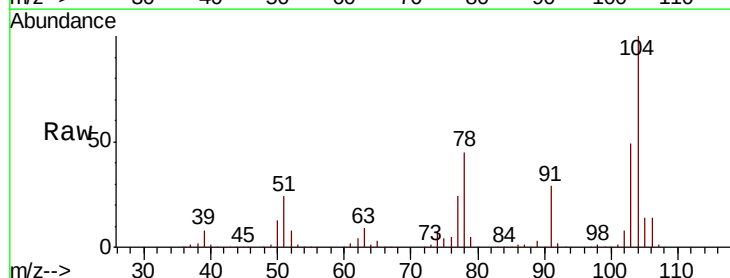


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

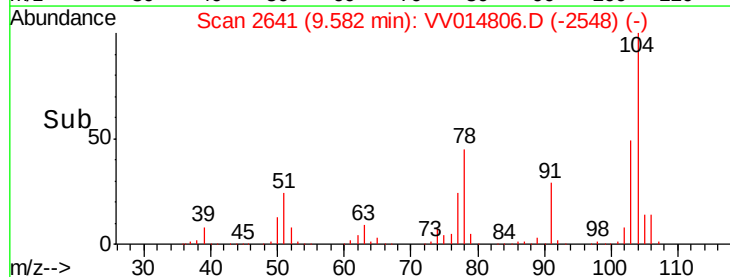
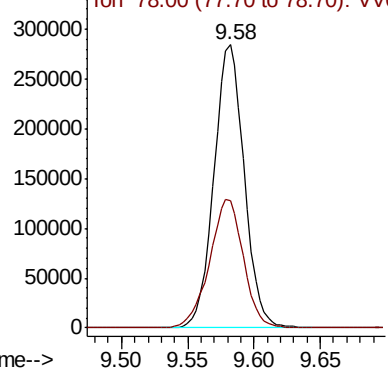


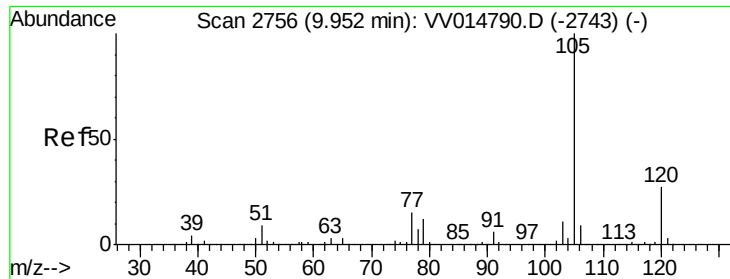
#55
Styrene
Concen: 48.807 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. -0.00 min
Lab File: VV014806.D
Acq: 10 Mar 2020 16:31

Tgt Ion:104 Resp: 451183
Ion Ratio Lower Upper
104 100
78 45.1 31.6 58.6



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





#56

Isopropylbenzene

Concen: 47.696 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV014806.D

Acq: 10 Mar 2020 16:31

Instrument :

MSVOA_V

ClientSampleId :

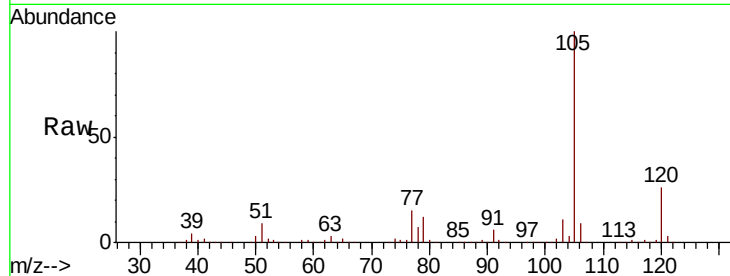
Tot Ion:105 Resp: 690576

Ion Ratio Lower Upper

105 100

120 26.5 20.6 31.0

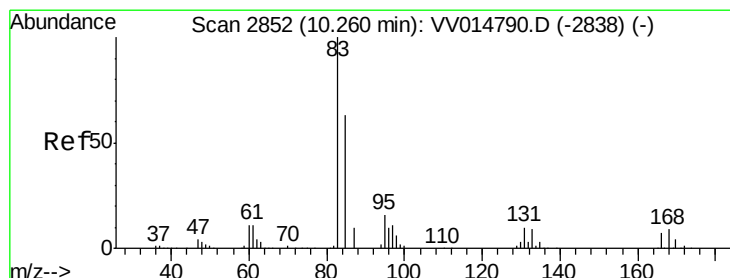
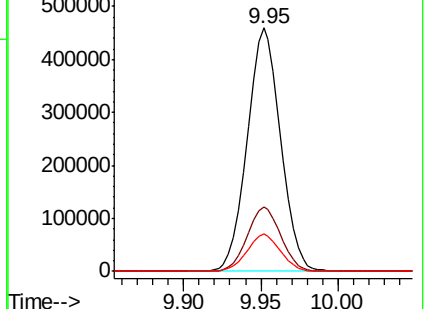
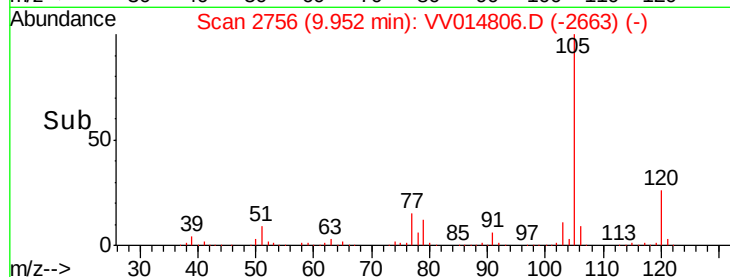
77 15.3 12.7 19.1



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: 46.430 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV014806.D

Acq: 10 Mar 2020 16:31

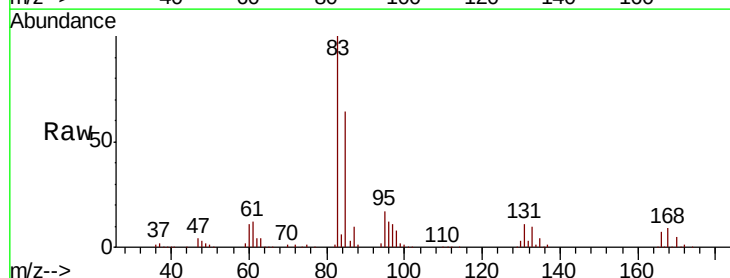
Tgt Ion: 83 Resp: 234834

Ion Ratio Lower Upper

83 100

85 63.7 44.4 82.5

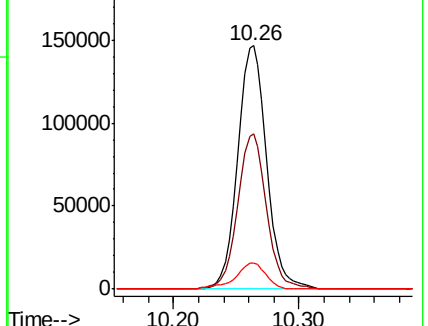
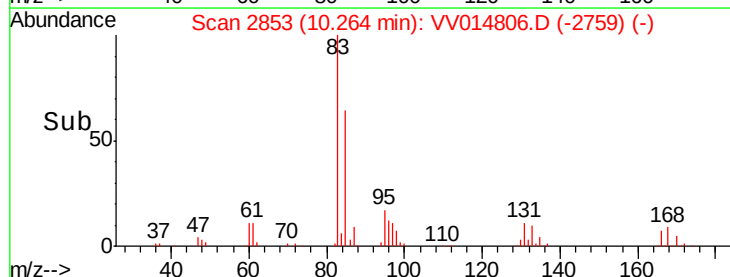
131 10.8 7.8 11.8

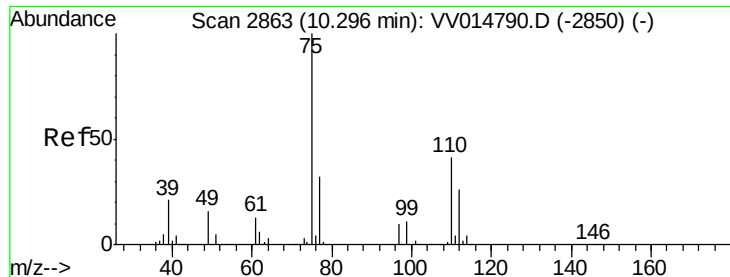


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

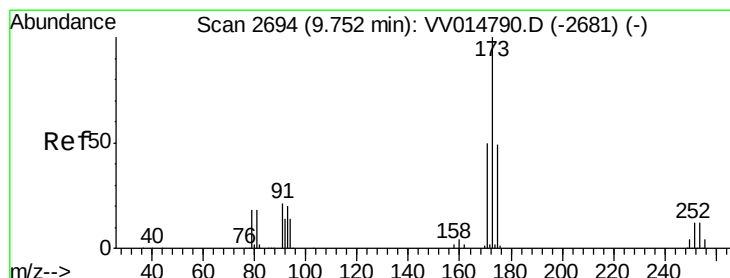
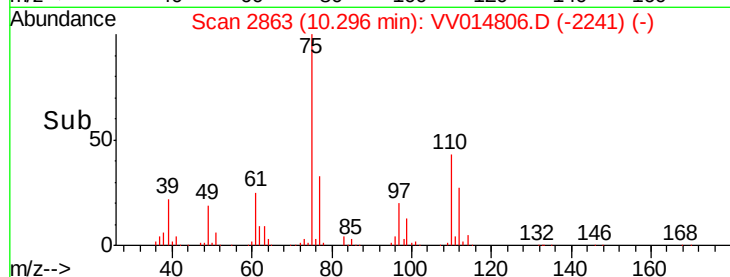
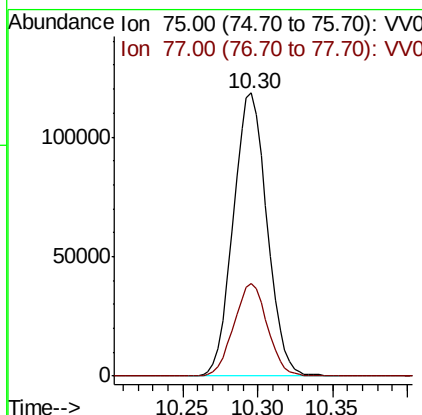
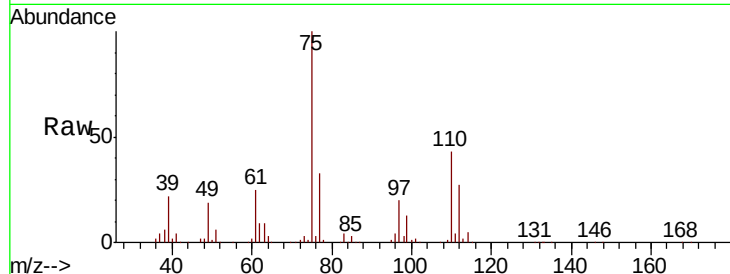




#59
 1,2,3-Trichloropropane
 Concen: 45.742 ug/L
 RT: 10.30 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: VV014806.D
 Acq: 10 Mar 2020 16:31

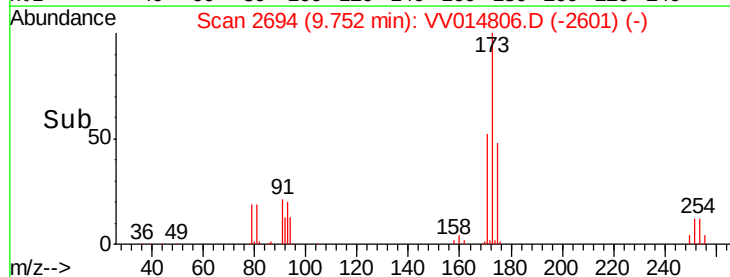
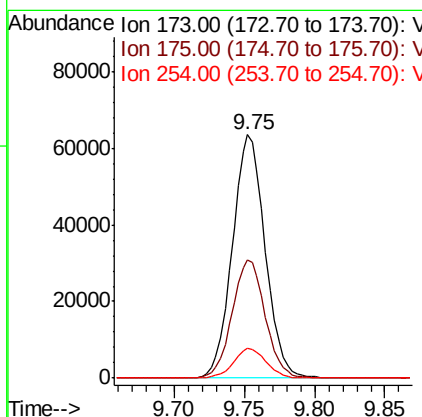
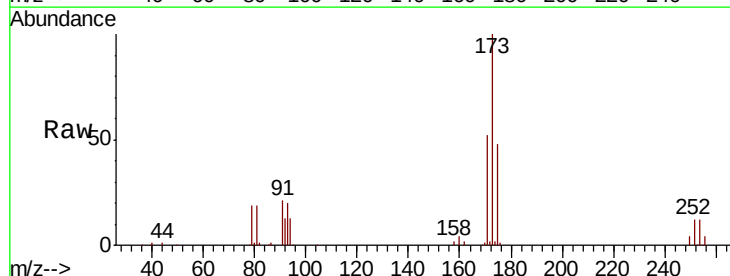
Instrument :
 MSVOA_V
 ClientSampled :

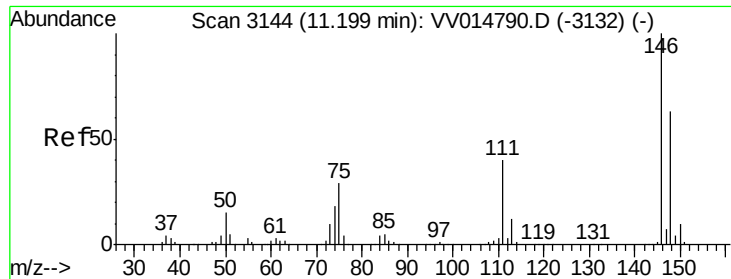
Tot Ion: 75 Resp: 186257
 Ion Ratio Lower Upper
 75 100
 77 32.6 25.6 38.4



#61
 Bromoform
 Concen: 43.411 ug/L
 RT: 9.75 min Scan# 2694
 Delta R.T. -0.00 min
 Lab File: VV014806.D
 Acq: 10 Mar 2020 16:31

Tgt Ion: 173 Resp: 103122
 Ion Ratio Lower Upper
 173 100
 175 49.0 39.0 58.4
 254 12.1 8.6 13.0





#62

1,3-Dichlorobenzene

Concen: 47.263 ug/L

RT: 11.20 min Scan# 3144

Delta R.T. -0.00 min

Lab File: VV014806.D

Acq: 10 Mar 2020 16:31

Instrument :

MSVOA_V

ClientSampled :

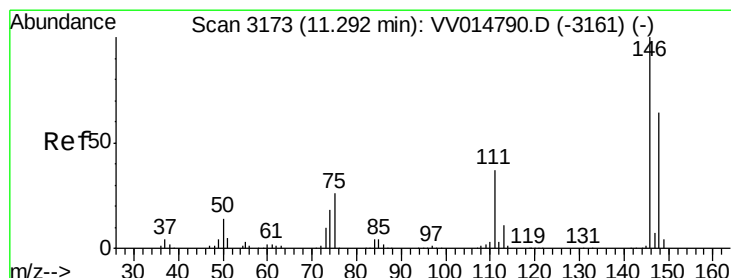
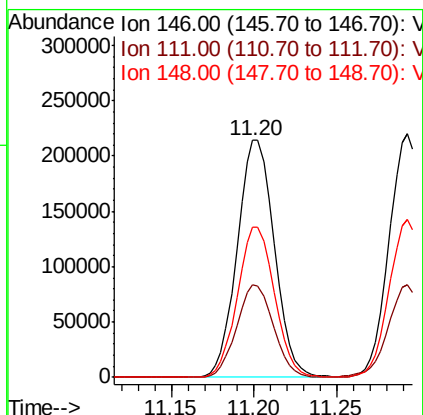
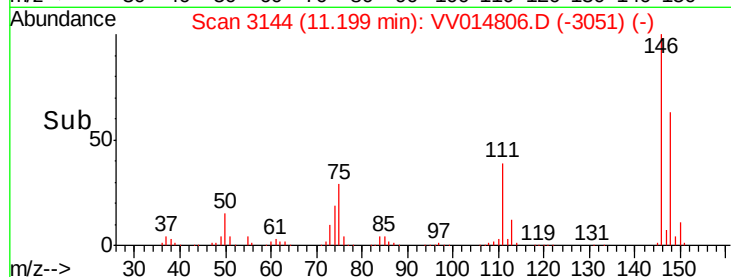
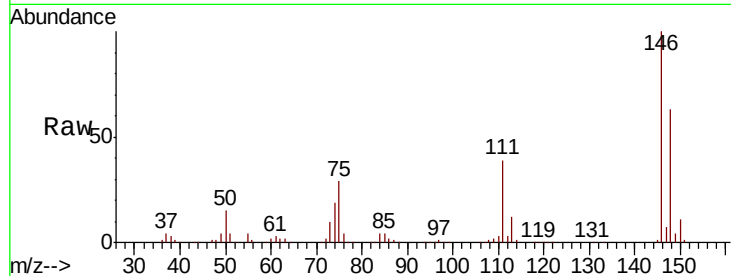
Tot Ion:146 Resp: 334656

Ion Ratio Lower Upper

146 100

111 39.1 27.2 50.4

148 63.4 44.2 82.2



#63

1,4-Dichlorobenzene

Concen: 47.047 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV014806.D

Acq: 10 Mar 2020 16:31

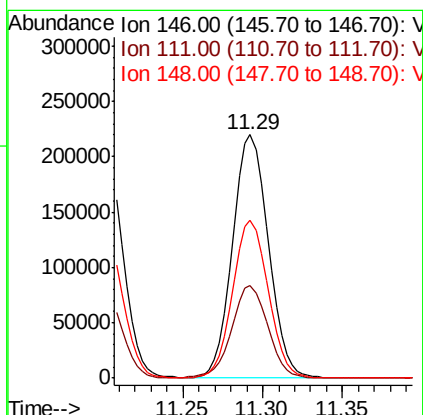
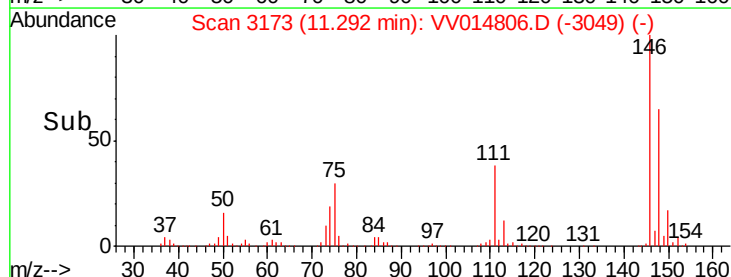
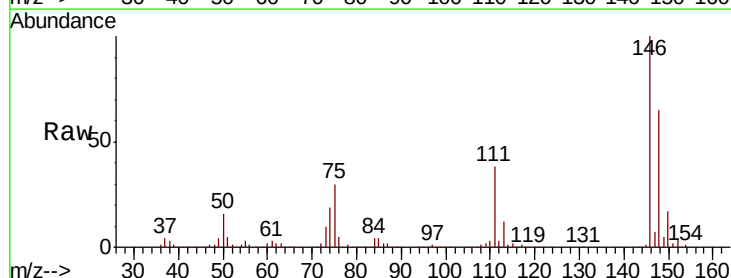
Tgt Ion:146 Resp: 335618

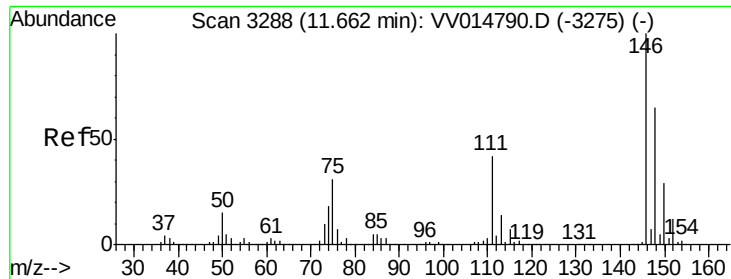
Ion Ratio Lower Upper

146 100

111 38.1 26.3 48.9

148 64.9 44.0 81.8

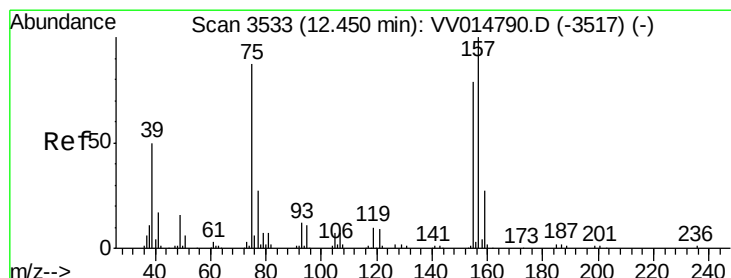
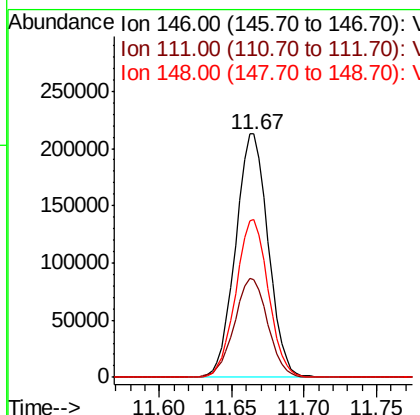
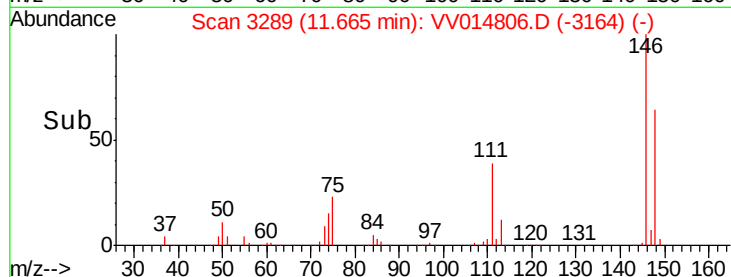
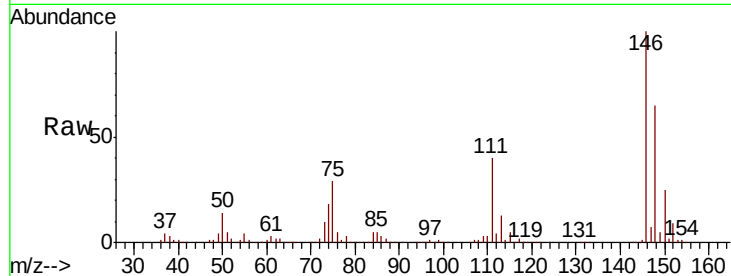




#65
 1,2-Dichlorobenzene
 Concen: 47.280 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV014806.D
 Acq: 10 Mar 2020 16:31

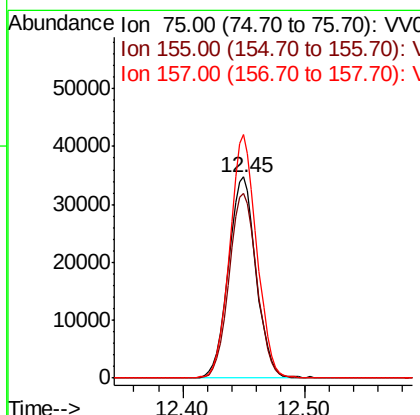
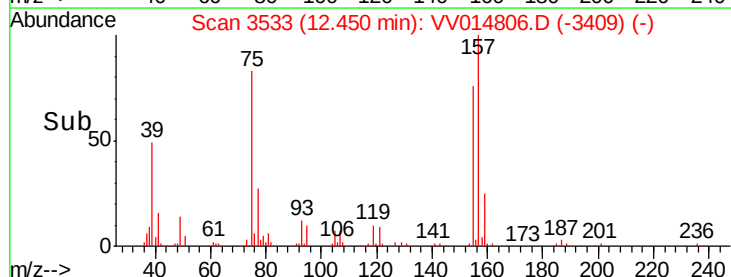
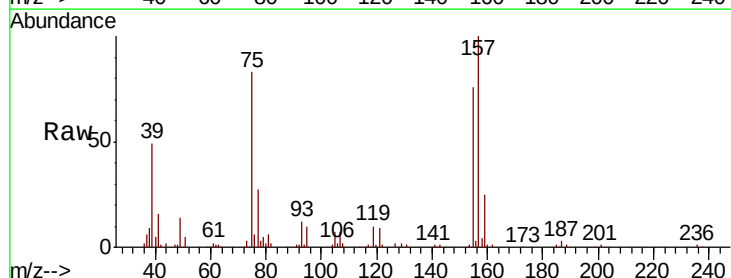
Instrument :
 MSVOA_V
 ClientSampled :

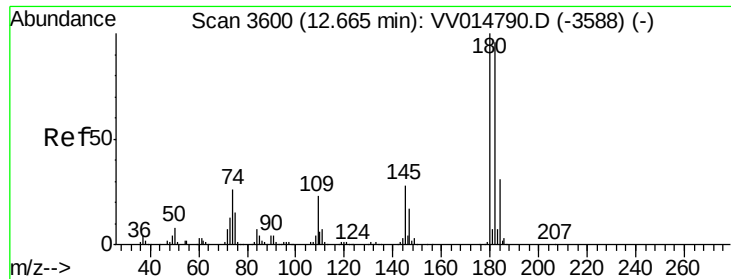
Tot Ion:146 Resp: 333300
 Ion Ratio Lower Upper
 146 100
 111 40.2 33.9 50.9
 148 64.6 51.4 77.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 45.967 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. -0.00 min
 Lab File: VV014806.D
 Acq: 10 Mar 2020 16:31

Tgt Ion: 75 Resp: 54996
 Ion Ratio Lower Upper
 75 100
 155 92.0 66.4 99.6
 157 121.2 86.1 129.1

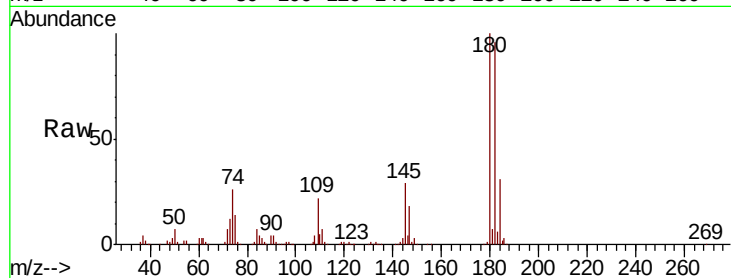




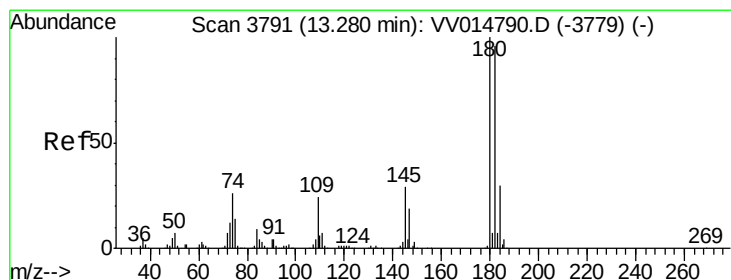
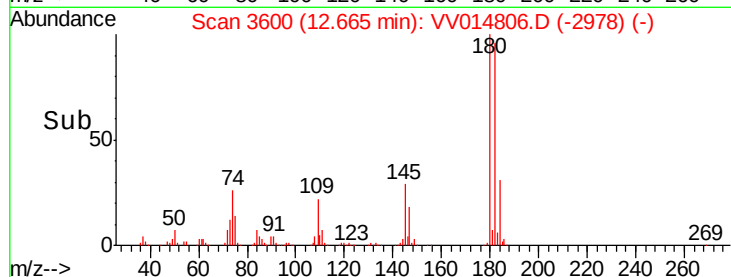
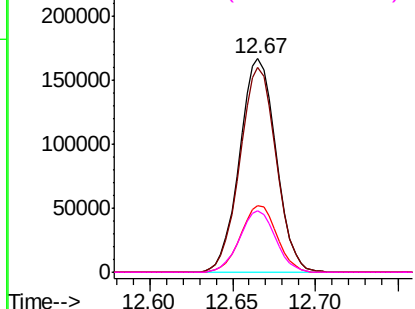
#67
 1,3,5-Trichlorobenzene
 Concen: 46.637 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VV014806.D
 Acq: 10 Mar 2020 16:31

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion:180	Resp:	255395
Ion Ratio	Lower	Upper
180	100	
182	95.5	75.6 113.4
184	31.0	24.8 37.2
145	28.5	23.3 34.9

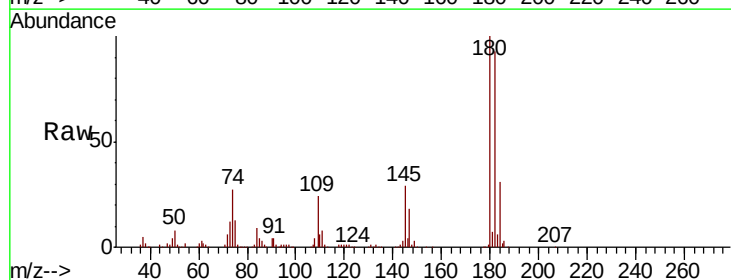


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

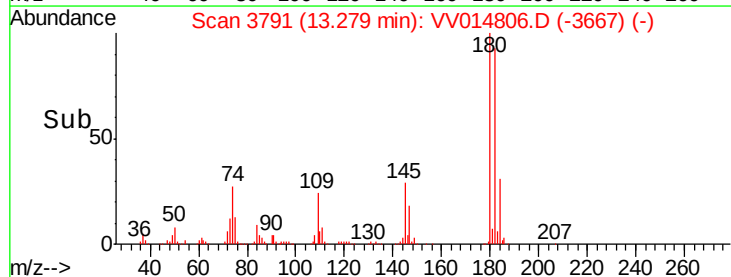
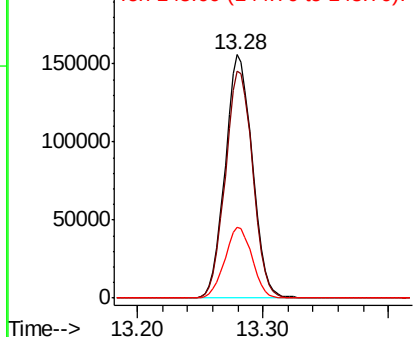


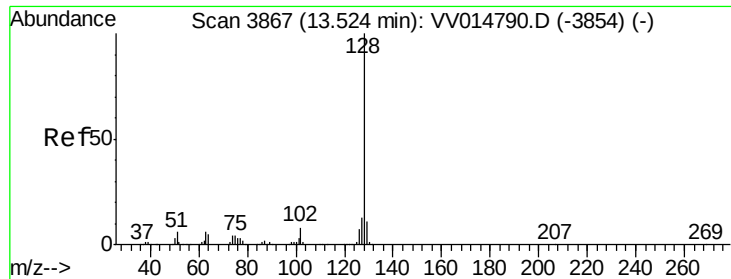
#68
 1,2,4-trichlorobenzene
 Concen: 46.462 ug/L
 RT: 13.28 min Scan# 3791
 Delta R.T. -0.00 min
 Lab File: VV014806.D
 Acq: 10 Mar 2020 16:31

Tgt Ion:180	Resp:	233861
Ion Ratio	Lower	Upper
180	100	
182	94.0	76.6 114.8
145	29.1	23.4 35.0



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: 46.826 ug/L

RT: 13.52 min Scan# 3866

Delta R.T. -0.00 min

Lab File: VV014806.D

Acq: 10 Mar 2020 16:31

Instrument :

MSVOA_V

ClientSampleId :

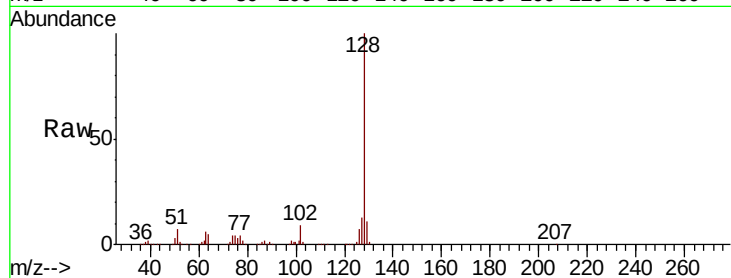
Tot Ion:128 Resp: 354816

Ion Ratio Lower Upper

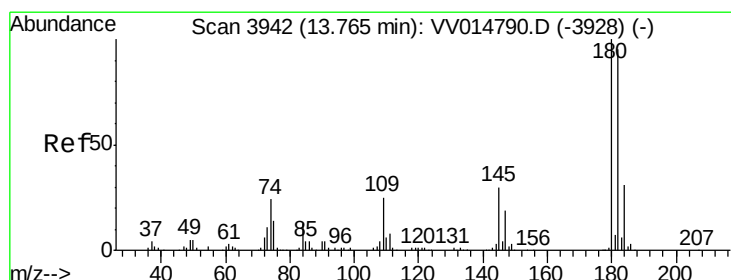
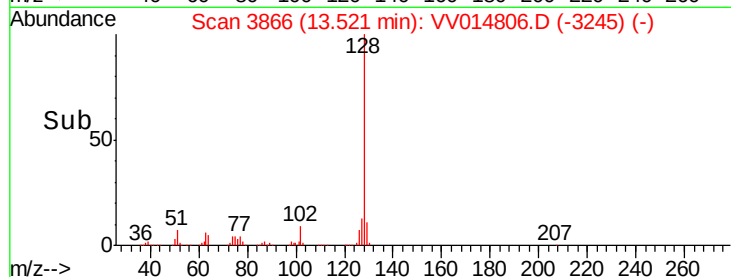
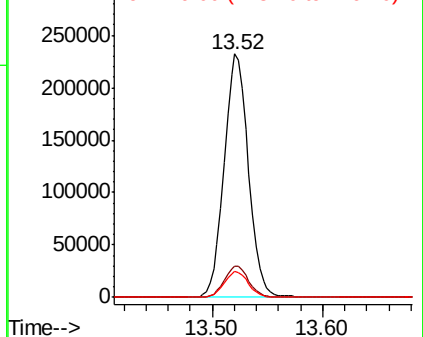
128 100

127 12.7 10.3 15.5

129 10.6 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 47.879 ug/L

RT: 13.76 min Scan# 3941

Delta R.T. -0.00 min

Lab File: VV014806.D

Acq: 10 Mar 2020 16:31

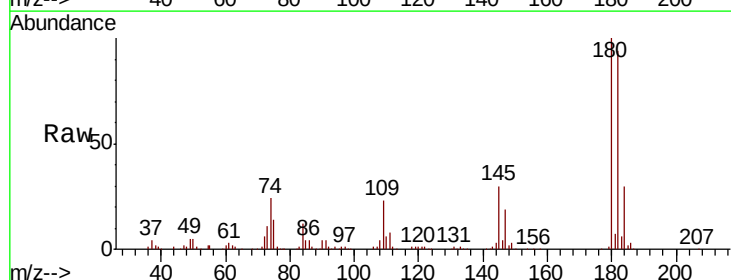
Tgt Ion:180 Resp: 240212

Ion Ratio Lower Upper

180 100

182 95.2 76.5 114.7

145 30.5 25.0 37.4



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

