

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV030620\
 Data File : VV014765.D
 Acq On : 06 Mar 2020 18:58
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 06 23:36:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 06 23:28:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	480706	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	479493	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	255381	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	163322	50.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	100.42%
7) Chloroethane-d5	1.58	69	123851	48.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.32%
11) 1,1-Dichloroethene-d2	2.12	63	265484	49.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.22%
21) 2-Butanone-d5	3.94	46	257783	106.25	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.25%
24) Chloroform-d	4.38	84	300909	48.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.70%
26) 1,2-Dichloroethane-d4	5.06	65	205467	49.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.22%
32) Benzene-d6	5.08	84	640268	50.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.14%
36) 1,2-Dichloropropane-d6	6.10	67	208450	49.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.34%
41) Toluene-d8	7.34	98	622201	50.18	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.36%
43) trans-1,3-Dichloropropene-	7.64	79	103888	50.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.42%
47) 2-Hexanone-d5	8.11	63	193471	103.84	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.84%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	284762	49.33	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.66%
64) 1,2-Dichlorobenzene-d4	11.65	152	249855	49.36	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.72%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	230268	48.468	ug/L	99
3) Chloromethane	1.25	50	203674	48.674	ug/L	99
5) Vinyl chloride	1.32	62	191032	49.264	ug/L	98
6) Bromomethane	1.53	94	120076	49.894	ug/L	98
8) Chloroethane	1.60	64	104508	50.138	ug/L	97
9) Trichlorofluoromethane	1.77	101	250353	48.284	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	129209	48.407	ug/L	98
12) 1,1-Dichloroethene	2.13	96	126653	48.501	ug/L	97
13) Acetone	2.22	43	168775	83.317	ug/L	99
14) Carbon disulfide	2.31	76	423107	49.007	ug/L	98
15) Methyl Acetate	2.46	43	192257	50.518	ug/L	100
16) Methylene chloride	2.53	84	173803	49.006	ug/L	99
17) trans-1,2-Dichloroethene	2.78	96	159539	49.454	ug/L	98
18) Methyl tert-butyl Ether	2.79	73	526749	49.874	ug/L	99
19) 1,1-Dichloroethane	3.22	63	309460	49.113	ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	178600	49.500	ug/L	100
22) 2-Butanone	4.02	43	281324	105.277	ug/L	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV030620\
 Data File : VV014765.D
 Acq On : 06 Mar 2020 18:58
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 8 Sample Multiplier: 1

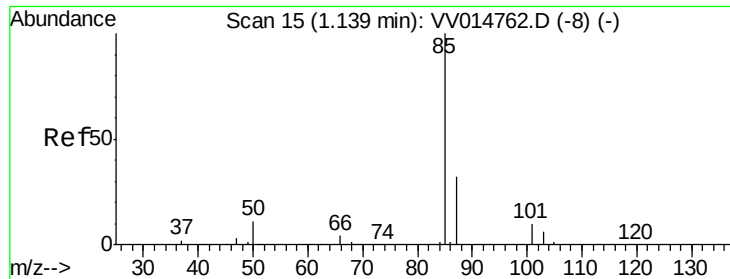
Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 06 23:36:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 06 23:28:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	90460	49.247	ug/L	98
25) Chloroform	4.41	83	325318	49.837	ug/L	100
27) 1,2-Dichloroethane	5.16	62	248092	49.038	ug/L	99
29) Cyclohexane	4.71	56	290767	49.769	ug/L	99
30) 1,1,1-Trichloroethane	4.64	97	270580	48.672	ug/L	99
31) Carbon tetrachloride	4.86	117	232635	49.274	ug/L	100
33) Benzene	5.13	78	687934	49.523	ug/L	100
34) Trichloroethene	5.94	95	176479	48.614	ug/L	98
35) Methylcyclohexane	6.16	83	296589	49.493	ug/L	100
37) 1,2-Dichloropropane	6.20	63	186245	49.615	ug/L	99
38) Bromodichloromethane	6.53	83	236727	49.576	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	293497	49.883	ug/L	98
40) 4-Methyl-2-pentanone	7.25	43	547313	100.613	ug/L	99
42) Toluene	7.41	91	763961	49.851	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	266644	49.713	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	167692	48.506	ug/L	99
46) Tetrachloroethene	8.00	164	143916	48.454	ug/L	98
48) 2-Hexanone	8.16	43	430555	100.636	ug/L	99
49) Dibromochloromethane	8.27	129	185423	49.209	ug/L	100
50) 1,2-Dibromoethane	8.37	107	184552	49.385	ug/L	99
51) Chlorobenzene	8.90	112	484325	49.118	ug/L	99
52) Ethylbenzene	9.03	91	859213	49.766	ug/L	100
53) m,p-Xylene	9.16	106	323245	49.889	ug/L	99
54) o-xylene	9.57	106	316907	49.792	ug/L	99
55) Styrene	9.58	104	550341	50.567	ug/L	99
56) Isopropylbenzene	9.95	105	838289	49.177	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	291945	49.028	ug/L	99
59) 1,2,3-Trichloropropane	10.30	75	235542	49.134	ug/L	99
61) Bromoform	9.75	173	135237	48.812	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	403168	48.819	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	406071	48.805	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	399338	48.570	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	69937	50.119	ug/L	97
67) 1,3,5-Trichlorobenzene	12.67	180	313118	49.024	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	289265	49.275	ug/L	99
69) Naphthalene	13.52	128	450203	50.942	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	295577	50.514	ug/L	99

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV030620\
Data File : VV014765.D
Acq On : 06 Mar 2020 18:58
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 8 Sample Multiplier: 1



#2

Dichlorodifluoromethane

Concen: 48.468 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV014765.D

Acq: 06 Mar 2020 18:58

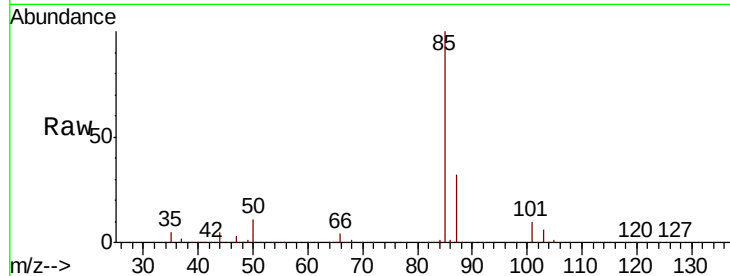
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 230268

Ion Ratio Lower Upper

85 100

87 32.0 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VV014765.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV014765.D (-8) (-)

1.14

250000

200000

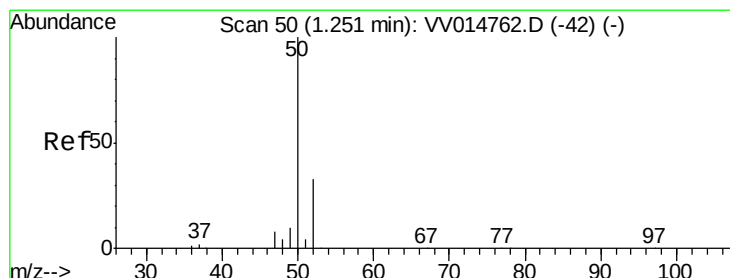
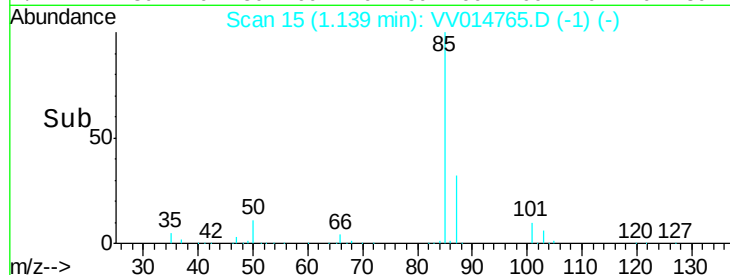
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 48.674 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV014765.D

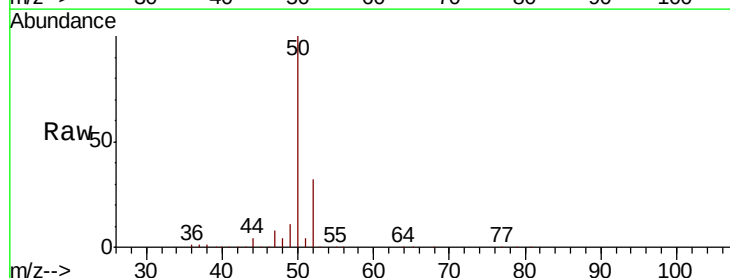
Acq: 06 Mar 2020 18:58

Tgt Ion: 50 Resp: 203674

Ion Ratio Lower Upper

50 100

52 32.0 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VV014765.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV014765.D (-42) (-)

1.25

200000

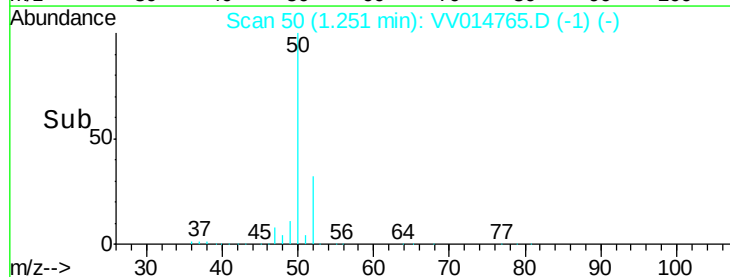
150000

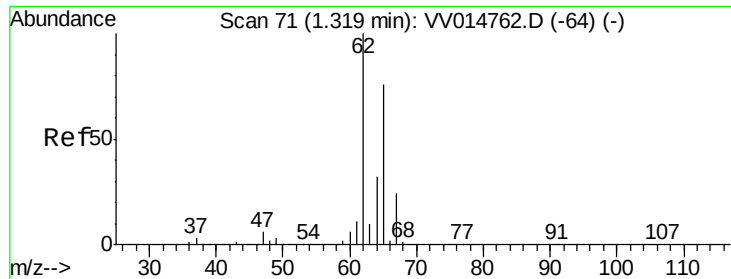
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 49.264 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV014765.D

Acq: 06 Mar 2020 18:58

Instrument :

MSVOA_V

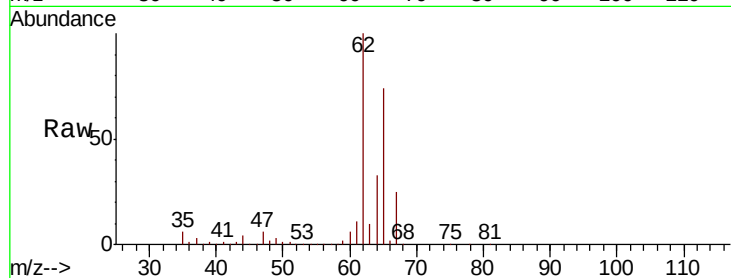
ClientSampleId :

Tot Ion: 62 Resp: 191032

Ion Ratio Lower Upper

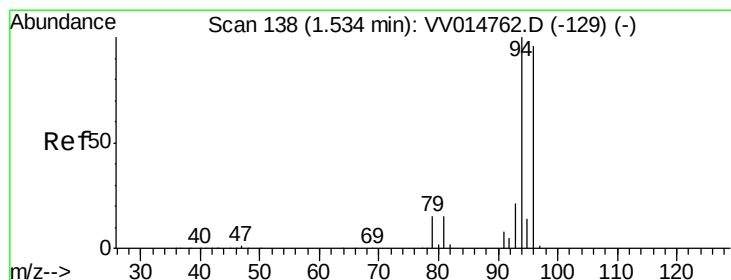
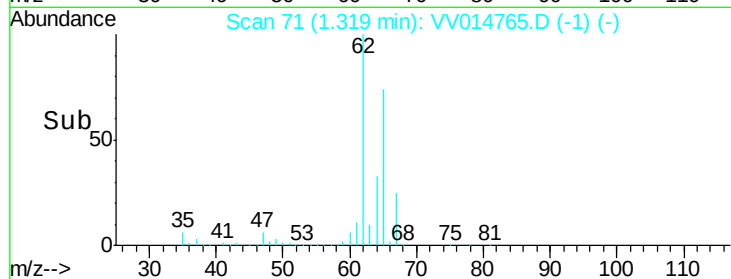
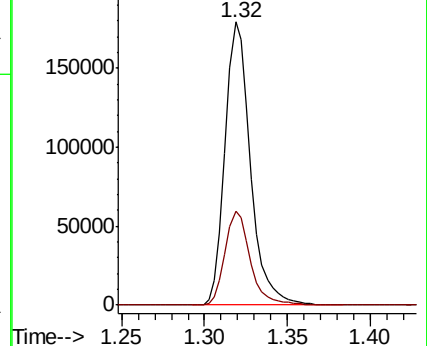
62 100

64 33.1 22.3 41.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 49.894 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV014765.D

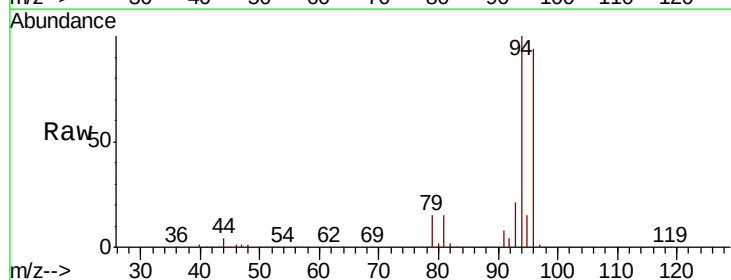
Acq: 06 Mar 2020 18:58

Tgt Ion: 94 Resp: 120076

Ion Ratio Lower Upper

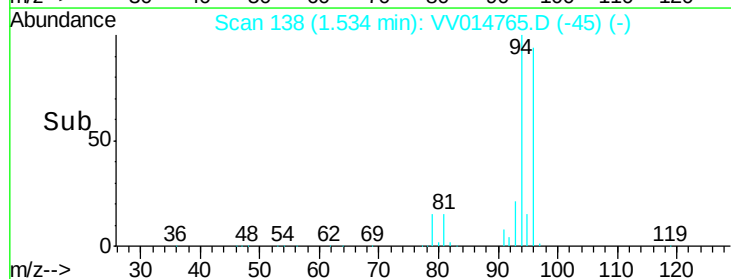
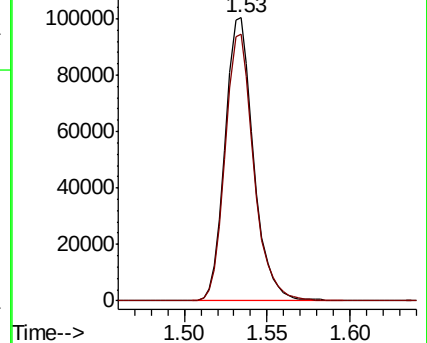
94 100

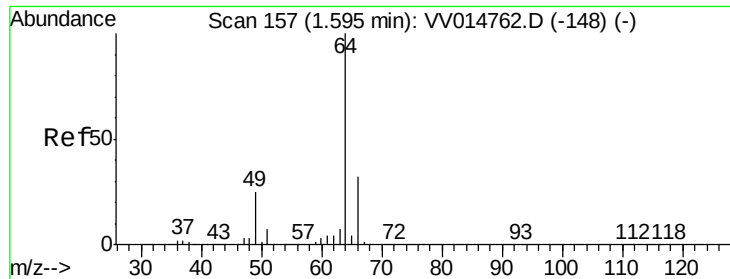
96 94.3 67.2 124.8



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 50.138 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV014765.D

Acq: 06 Mar 2020 18:58

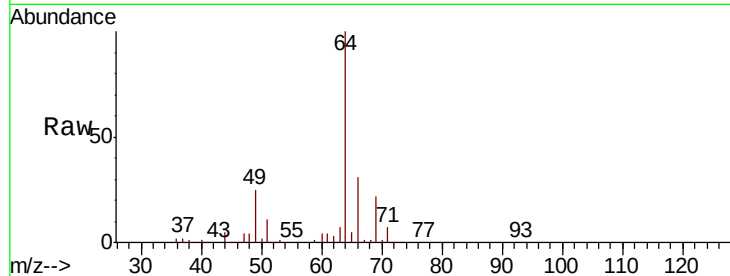
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 104508

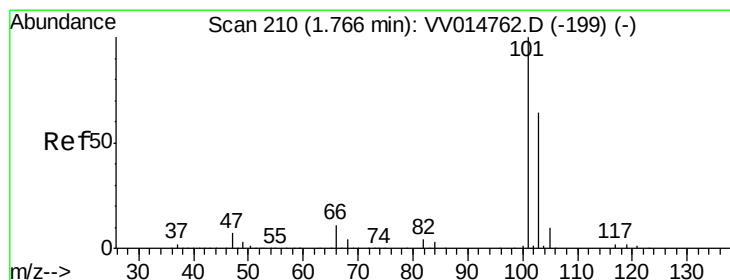
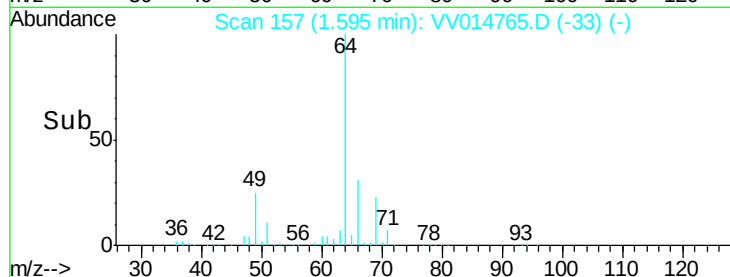
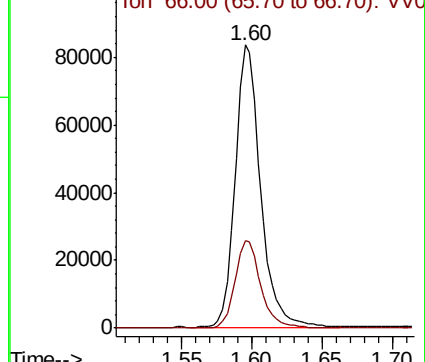
Ion Ratio Lower Upper

64 100

66 30.8 22.6 42.0



Abundance Ion 64.00 (63.70 to 64.70): VV014765.D (-148) (-)



#9

Trichlorofluoromethane

Concen: 48.284 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV014765.D

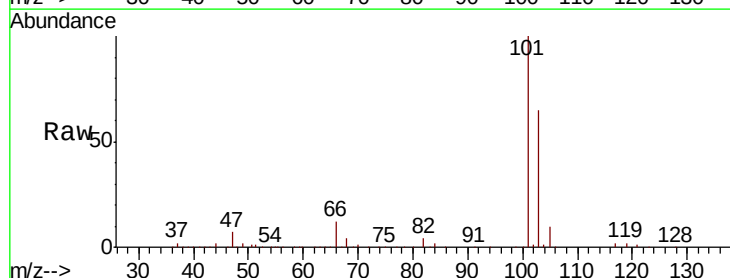
Acq: 06 Mar 2020 18:58

Tgt Ion:101 Resp: 250353

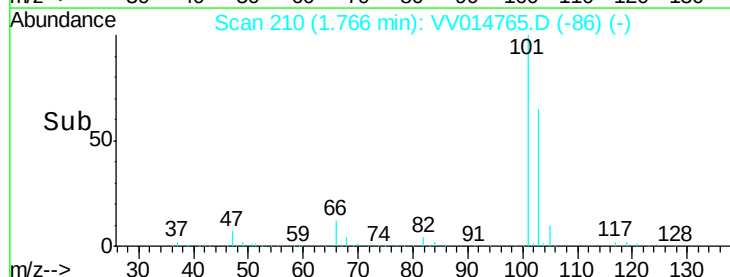
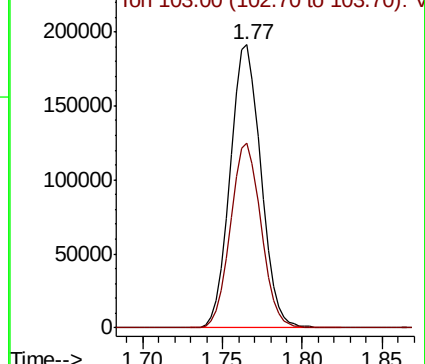
Ion Ratio Lower Upper

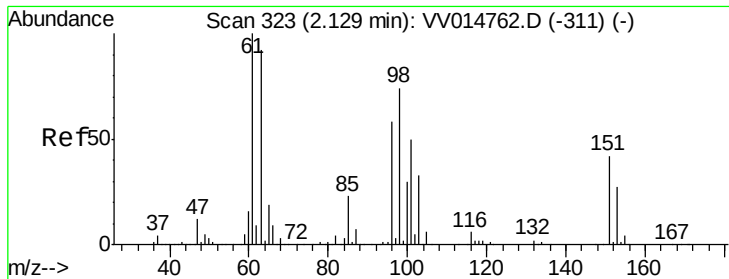
101 100

103 64.9 51.8 77.8



Abundance Ion 101.00 (100.70 to 101.70): VV014765.D (-199) (-)





#10

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

Concen: 48.407 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV014765.D

Acq: 06 Mar 2020 18:58

Instrument :

MSVOA_V

ClientSampled :

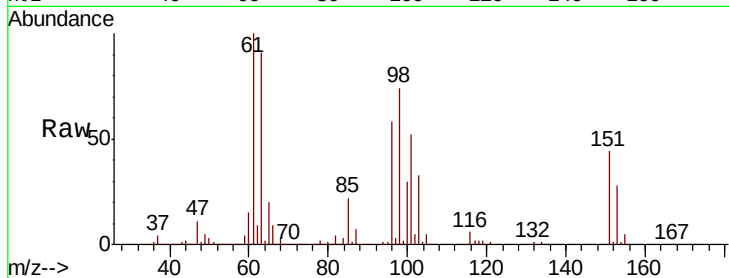
Tot Ion:101 Resp: 129209

Ion Ratio Lower Upper

101 100

85 43.0 35.0 52.6

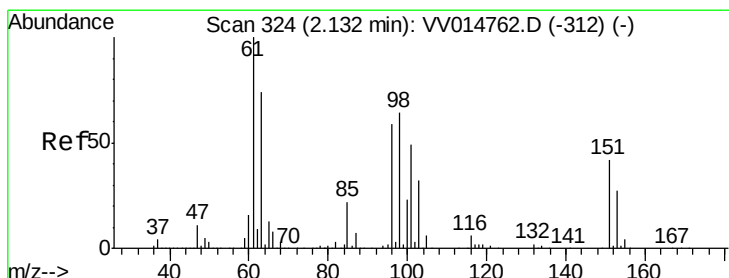
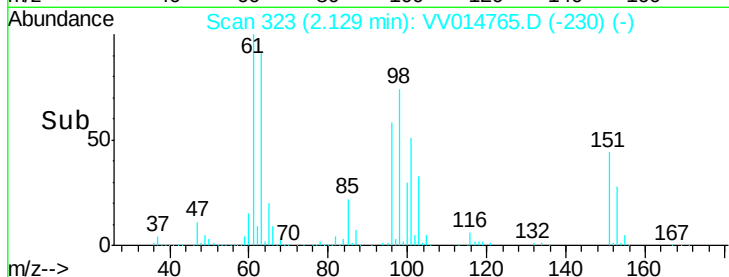
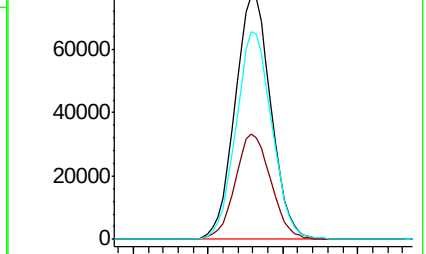
151 84.7 66.4 99.6



Abundance Ion 101.00 (100.70 to 101.70): VV014765.D (-230) (-)

Ion 85.00 (84.70 to 85.70): VV014765.D (-230) (-)

Ion 151.00 (150.70 to 151.70): VV014765.D (-230) (-)



#12

1,1-Dichloroethene

Concen: 48.501 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV014765.D

Acq: 06 Mar 2020 18:58

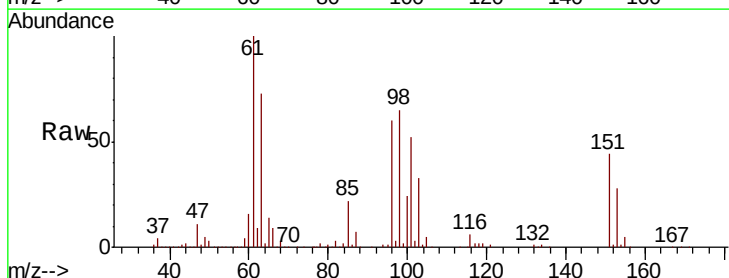
Tgt Ion: 96 Resp: 126653

Ion Ratio Lower Upper

96 100

61 166.7 118.4 220.0

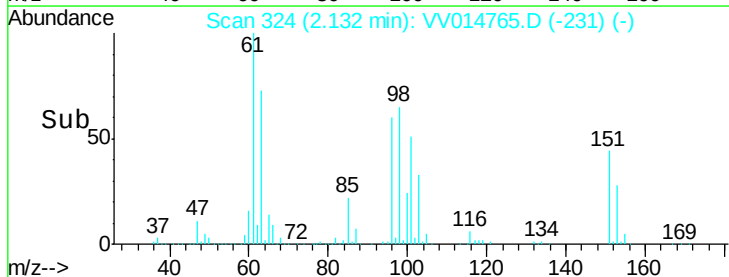
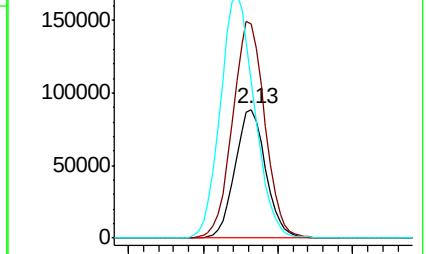
63 121.5 88.4 164.2

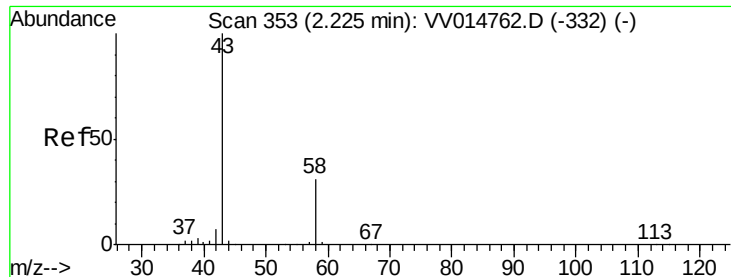


Abundance Ion 96.00 (95.70 to 96.70): VV014765.D (-231) (-)

Ion 61.00 (60.70 to 61.70): VV014765.D (-231) (-)

Ion 63.00 (62.70 to 63.70): VV014765.D (-231) (-)





#13

Acetone

Concen: 83.317 ug/L

RT: 2.22 min Scan# 351

Delta R.T. -0.01 min

Lab File: VV014765.D

Acq: 06 Mar 2020 18:58

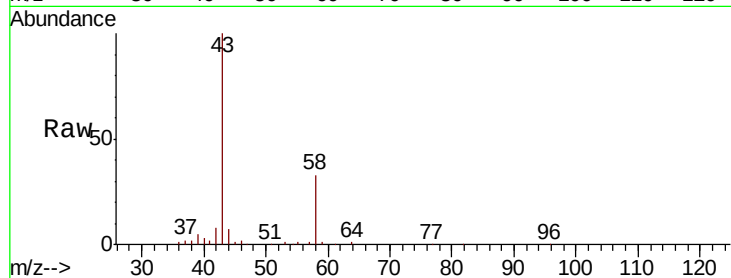
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 168775

Ion Ratio Lower Upper

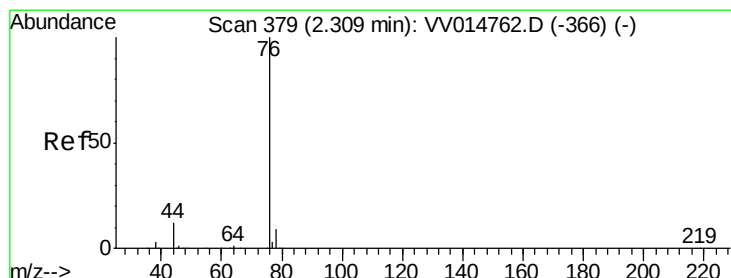
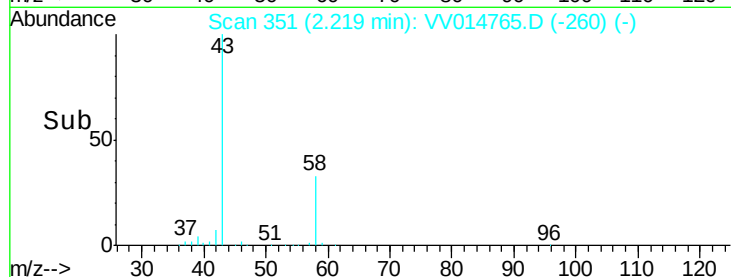
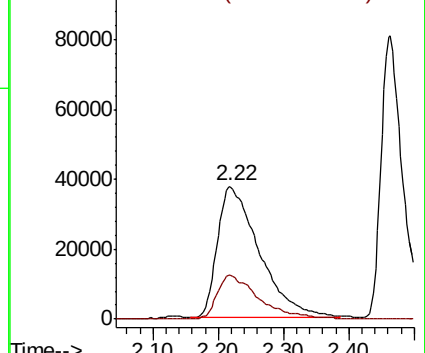
43 100

58 31.5 0.0 62.2



Abundance Ion 43.00 (42.70 to 43.70): VV014765.D (-260) (-)

Ion 58.00 (57.70 to 58.70): VV014765.D (-260) (-)



#14

Carbon disulfide

Concen: 49.007 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV014765.D

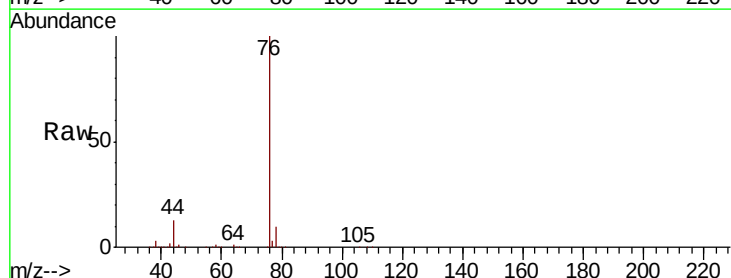
Acq: 06 Mar 2020 18:58

Tgt Ion: 76 Resp: 423107

Ion Ratio Lower Upper

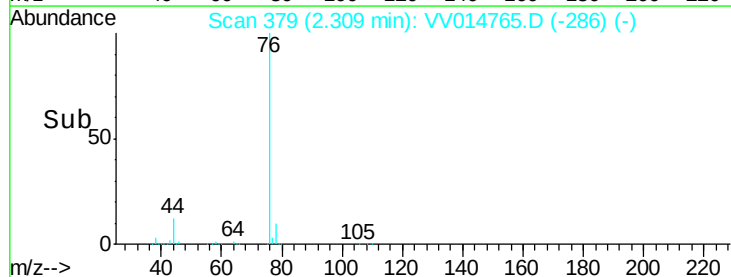
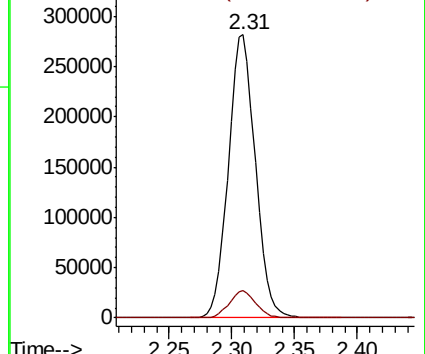
76 100

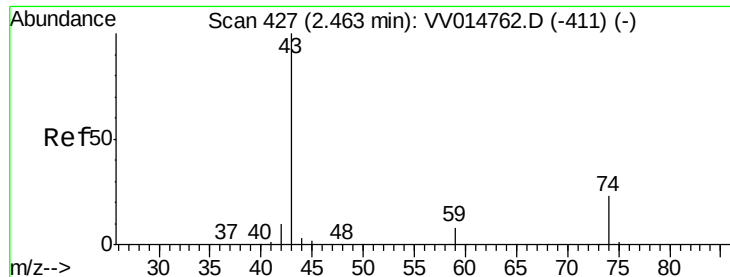
78 9.6 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VV014765.D (-286) (-)

Ion 78.00 (77.70 to 78.70): VV014765.D (-286) (-)

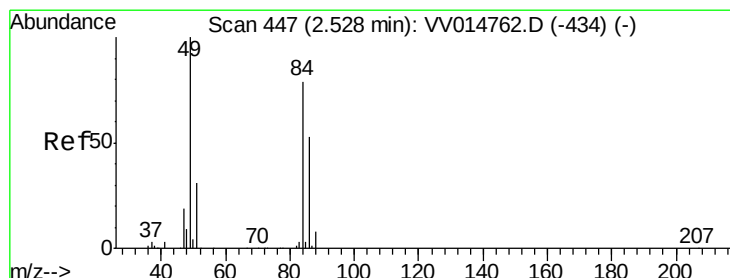
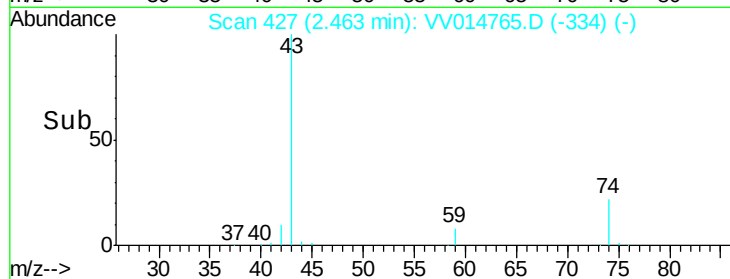
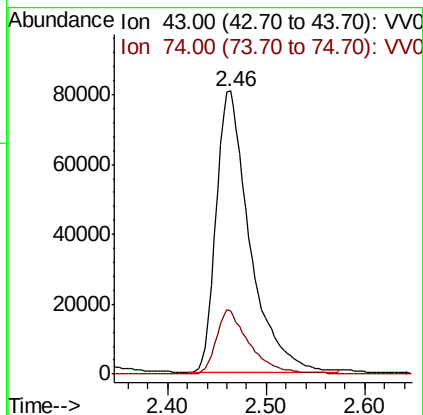
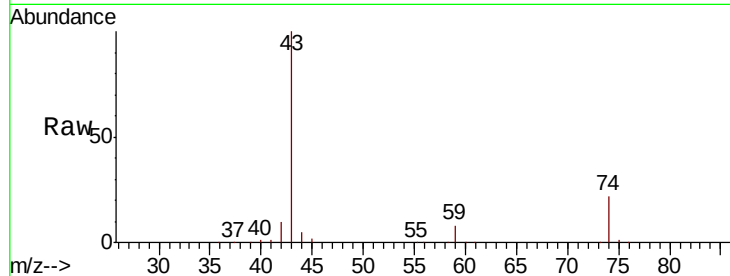




#15
Methvl Acetate
Concen: 50.518 ug/L
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VV014765.D
Acq: 06 Mar 2020 18:58

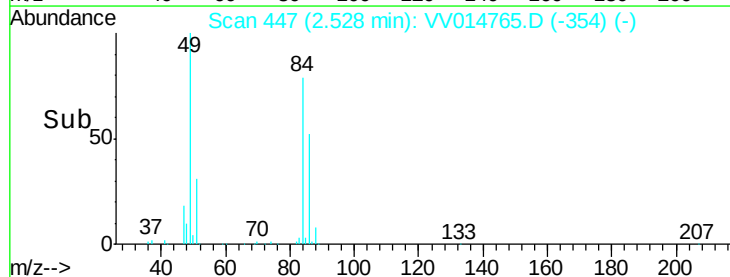
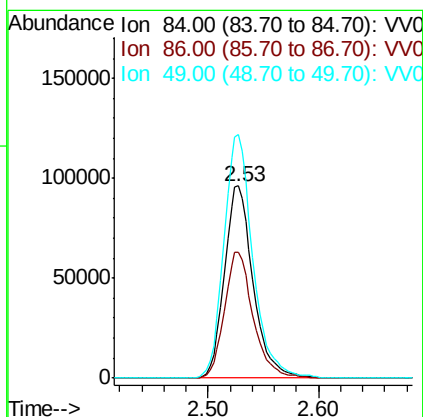
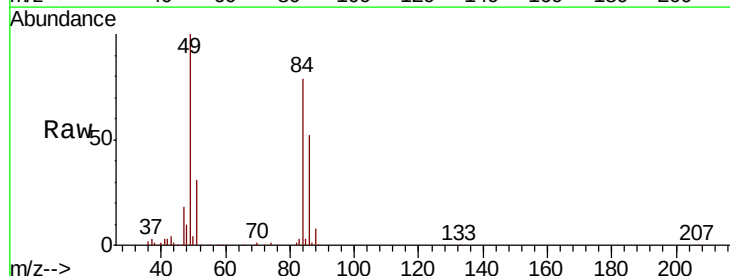
Instrument :
MSVOA_V
ClientSampled :

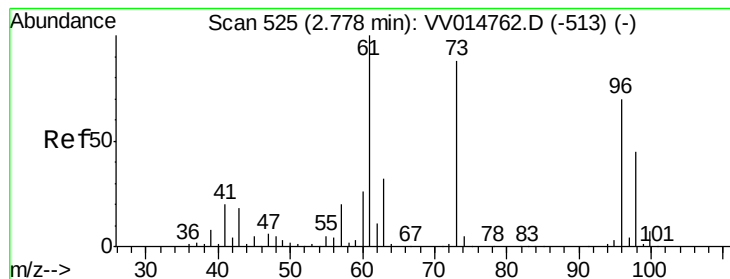
Tot Ion: 43 Resp: 192257
Ion Ratio Lower Upper
43 100
74 22.5 17.9 26.9



#16
Methylene chloride
Concen: 49.006 ug/L
RT: 2.53 min Scan# 447
Delta R.T. 0.00 min
Lab File: VV014765.D
Acq: 06 Mar 2020 18:58

Tgt Ion: 84 Resp: 173803
Ion Ratio Lower Upper
84 100
86 65.8 47.3 87.9
49 126.8 88.7 164.7





#17

trans-1,2-Dichloroethene

Concen: 49.454 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV014765.D

Acq: 06 Mar 2020 18:58

Instrument :
MSVOA_V
ClientSampleId :

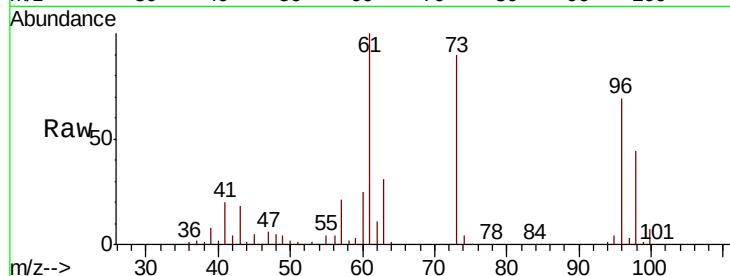
Tot Ion: 96 Resp: 159539

Ion Ratio Lower Upper

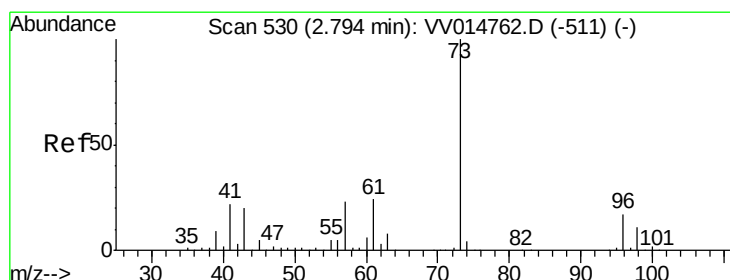
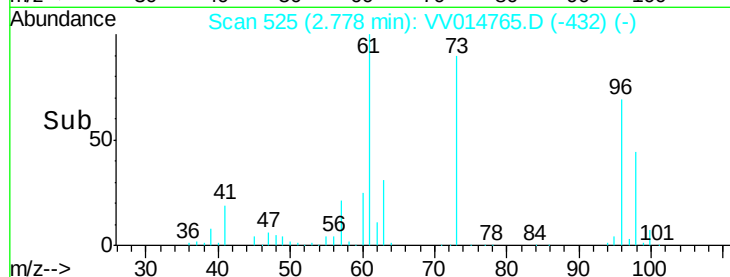
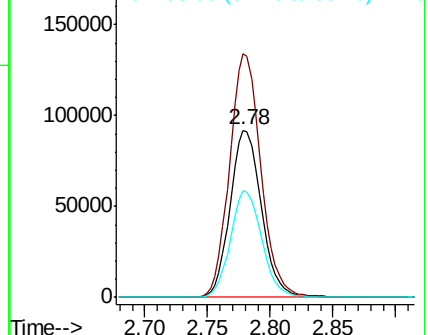
96 100

61 145.7 100.5 186.7

98 63.5 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: 49.874 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.00 min

Lab File: VV014765.D

Acq: 06 Mar 2020 18:58

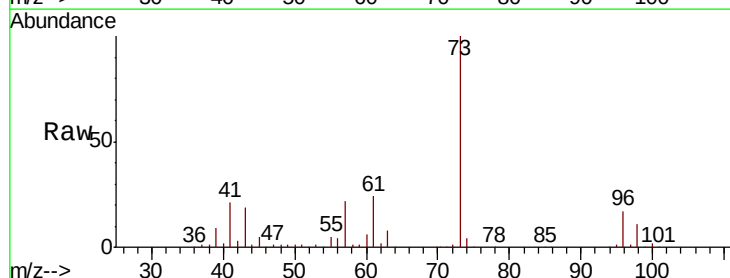
Tgt Ion: 73 Resp: 526749

Ion Ratio Lower Upper

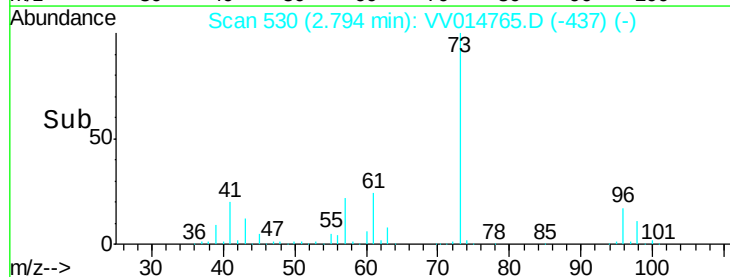
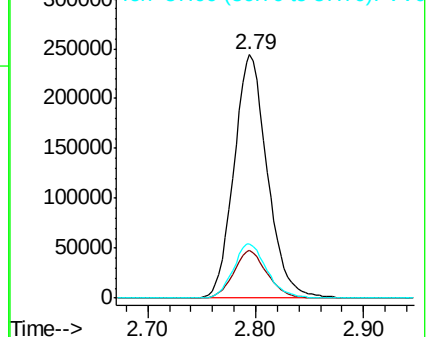
73 100

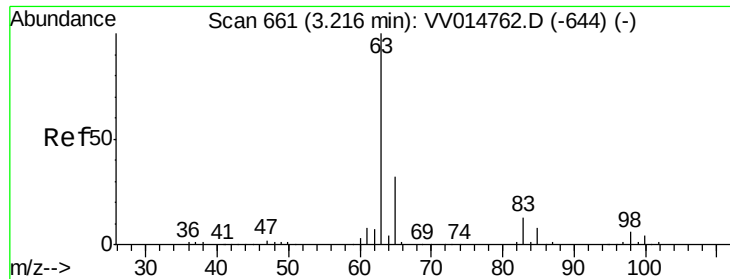
43 19.4 15.9 23.9

57 22.4 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

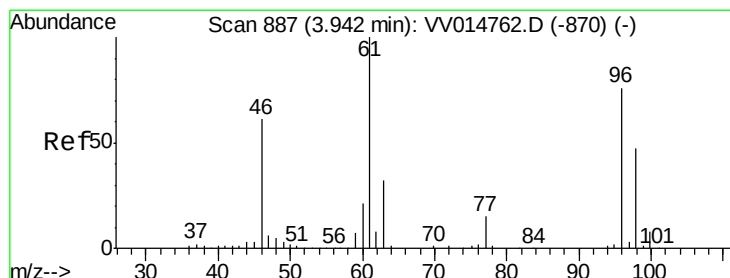
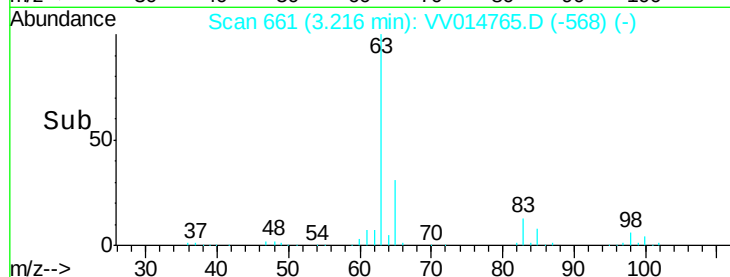
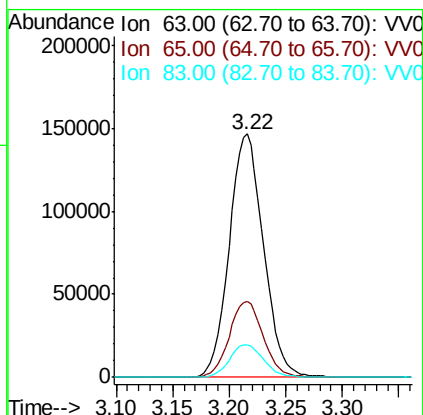
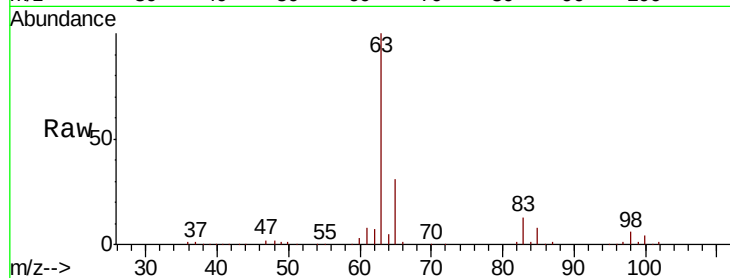




#19
 1,1-Dichloroethane
 Concen: 49.113 ug/L
 RT: 3.22 min Scan# 661
 Delta R.T. 0.00 min
 Lab File: VV014765.D
 Acq: 06 Mar 2020 18:58

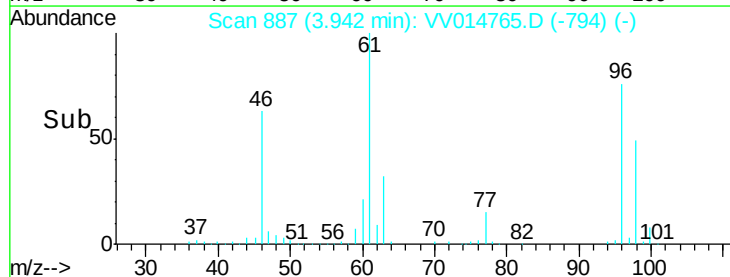
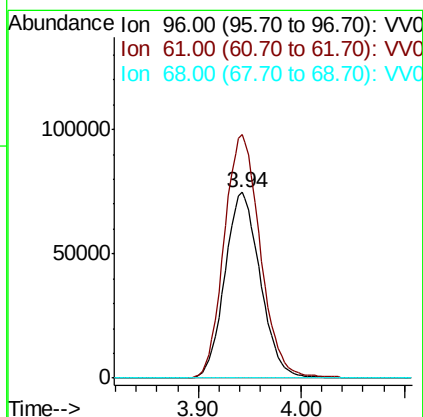
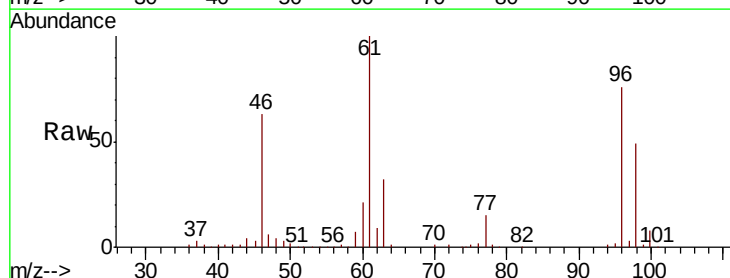
Instrument :
 MSVOA_V
 ClientSampleId :

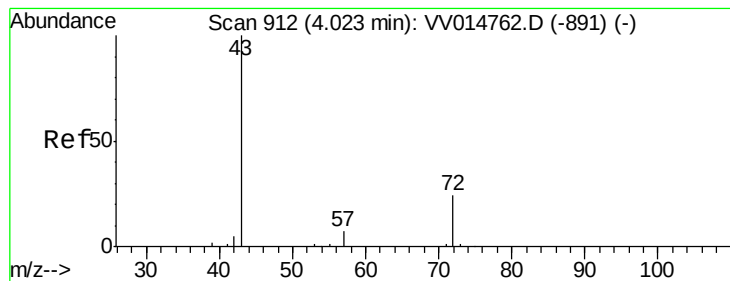
Tot Ion: 63 Resp: 309460
 Ion Ratio Lower Upper
 63 100
 65 31.2 22.5 41.7
 83 13.2 9.1 16.9



#20
 cis-1,2-Dichloroethene
 Concen: 49.500 ug/L
 RT: 3.94 min Scan# 887
 Delta R.T. 0.00 min
 Lab File: VV014765.D
 Acq: 06 Mar 2020 18:58

Tgt Ion: 96 Resp: 178600
 Ion Ratio Lower Upper
 96 100
 61 131.3 92.2 171.2
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 105.277 ug/L

RT: 4.02 min Scan# 912

Delta R.T. 0.00 min

Lab File: VV014765.D

Acq: 06 Mar 2020 18:58

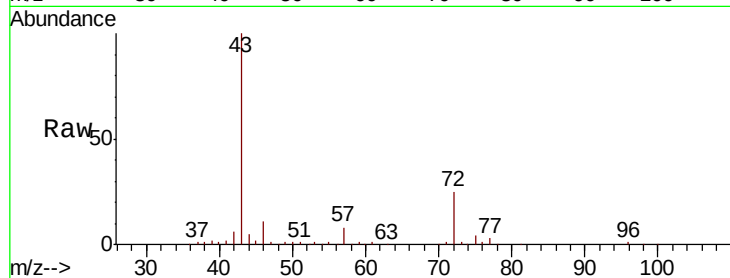
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 281324

Ion Ratio Lower Upper

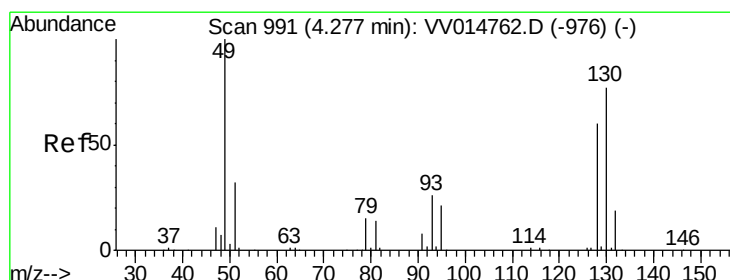
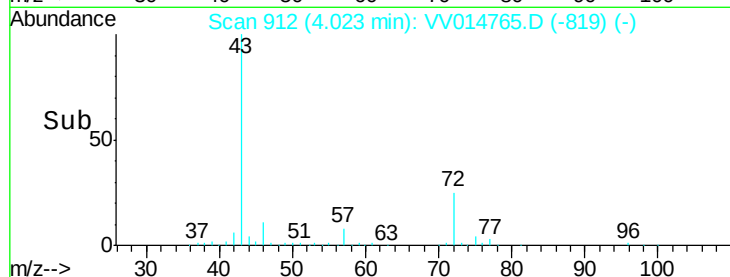
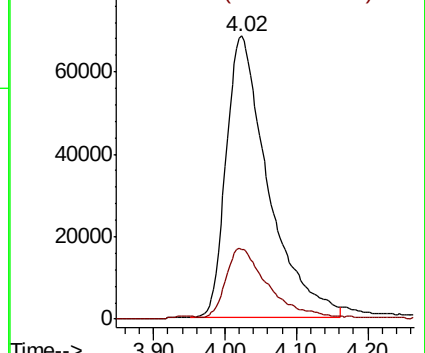
43 100

72 22.2 12.0 36.0



Abundance Ion 43.00 (42.70 to 43.70): VV014765.D (-891) (-)

Ion 72.00 (71.70 to 72.70): VV014765.D (-891) (-)



#23

Bromochloromethane

Concen: 49.247 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.00 min

Lab File: VV014765.D

Acq: 06 Mar 2020 18:58

Tgt Ion:128 Resp: 90460

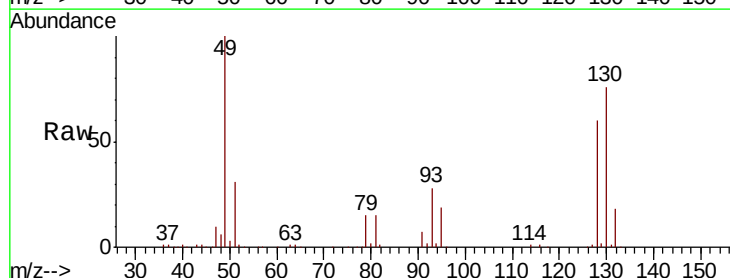
Ion Ratio Lower Upper

128 100

49 165.3 116.3 215.9

130 125.4 88.9 165.1

51 50.5 43.0 64.6

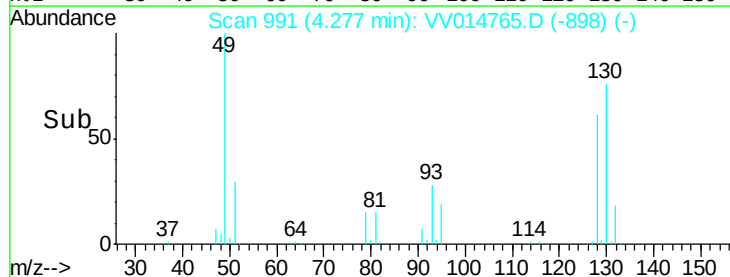
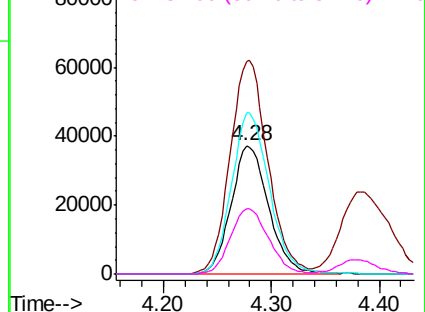


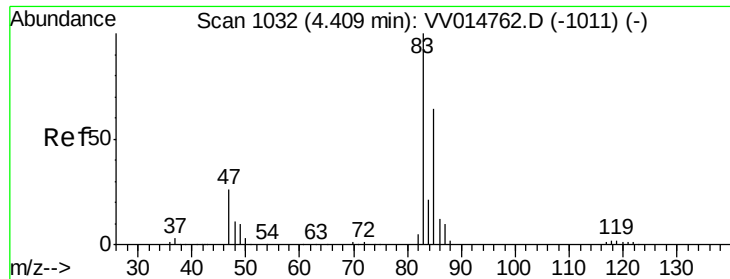
Abundance Ion 128.00 (127.70 to 128.70): VV014765.D (-898) (-)

Ion 49.00 (48.70 to 49.70): VV014765.D (-898) (-)

Ion 130.00 (129.70 to 130.70): VV014765.D (-898) (-)

Ion 51.00 (50.70 to 51.70): VV014765.D (-898) (-)

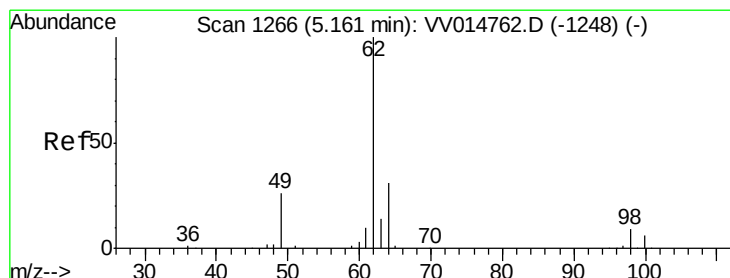
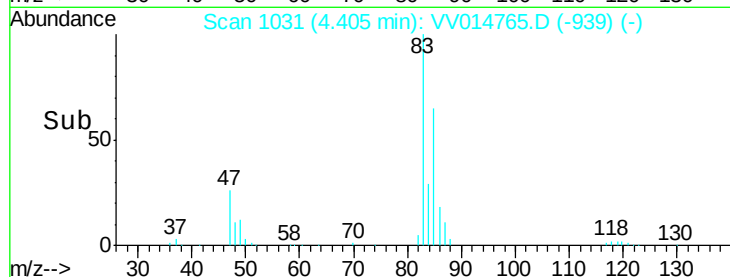
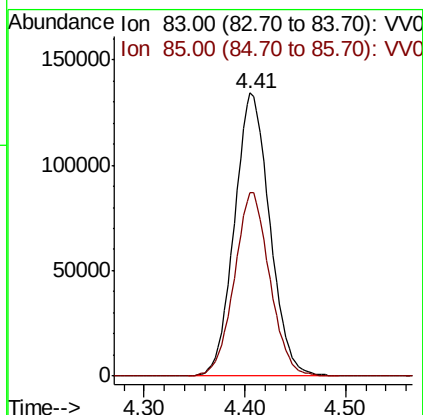
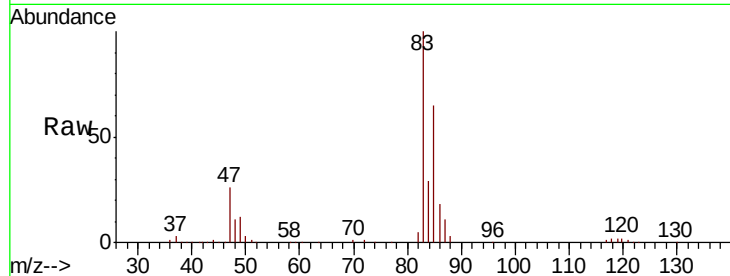




#25
Chloroform
Concen: 49.837 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VV014765.D
Acq: 06 Mar 2020 18:58

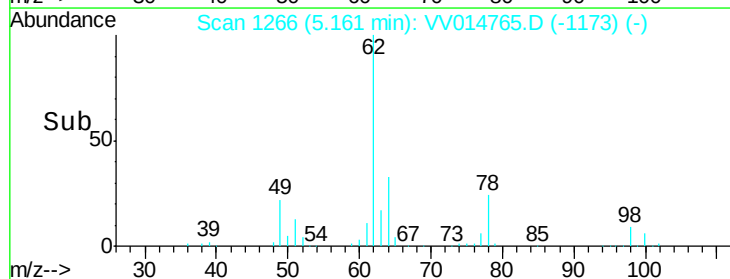
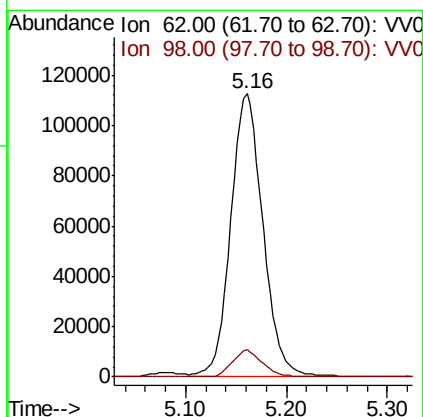
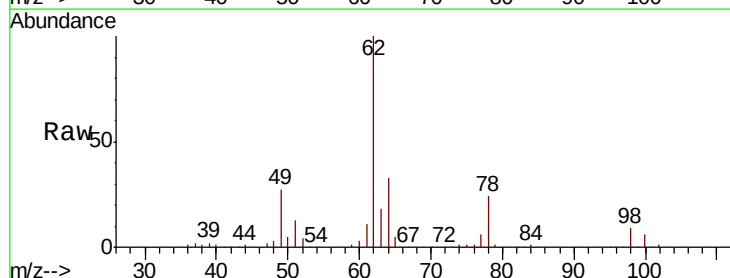
Instrument :
MSVOA_V
ClientSampleId :

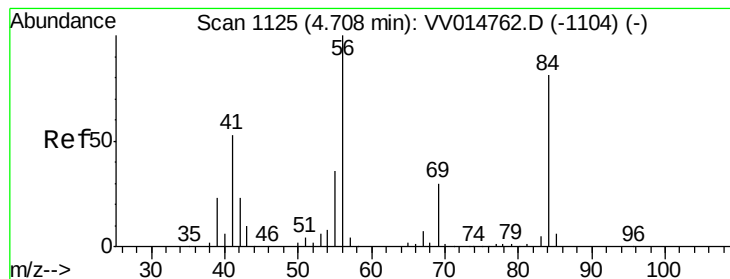
Tot Ion: 83 Resp: 325318
Ion Ratio Lower Upper
83 100
85 64.7 45.1 83.9



#27
1,2-Dichloroethane
Concen: 49.038 ug/L
RT: 5.16 min Scan# 1266
Delta R.T. 0.00 min
Lab File: VV014765.D
Acq: 06 Mar 2020 18:58

Tgt Ion: 62 Resp: 248092
Ion Ratio Lower Upper
62 100
98 9.5 7.2 10.8





#29

Cyclohexane

Concen: 49.769 ug/L

RT: 4.71 min Scan# 1125

Delta R.T. 0.00 min

Lab File: VV014765.D

Acq: 06 Mar 2020 18:58

Instrument :

MSVOA_V

ClientSampleId :

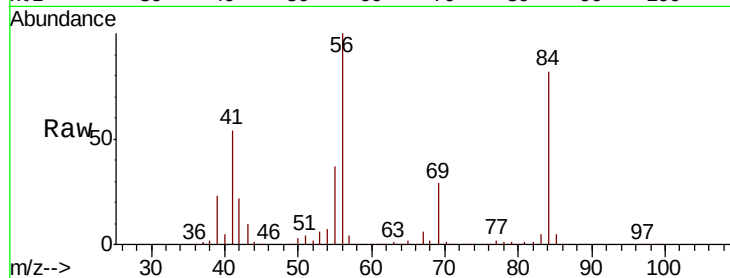
Tot Ion: 56 Resp: 290767

Ion Ratio Lower Upper

56 100

69 29.6 23.5 35.3

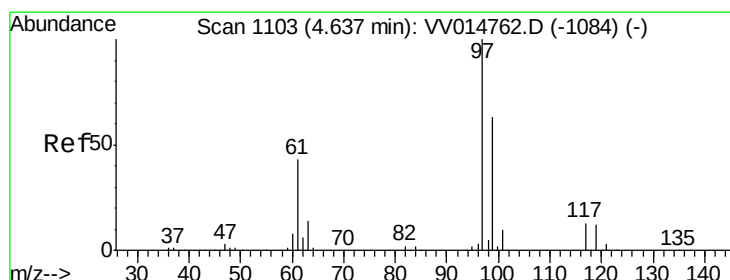
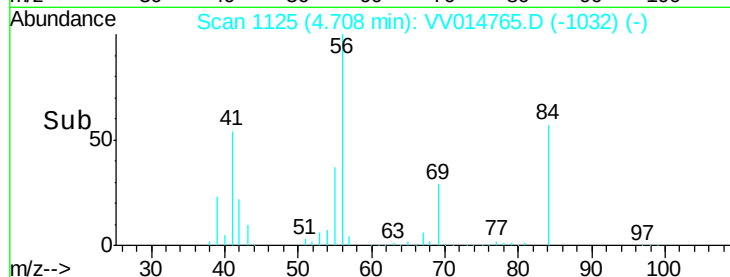
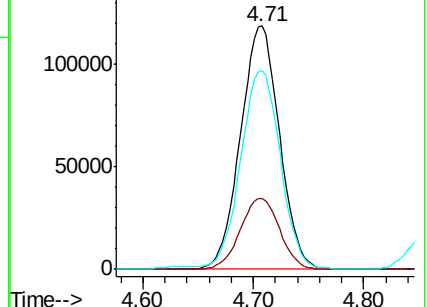
84 83.1 65.3 97.9



Abundance Ion 56.00 (55.70 to 56.70): VV014762.D (-1104) (-)

Ion 69.00 (68.70 to 69.70): VV014762.D (-1104) (-)

Ion 84.00 (83.70 to 84.70): VV014762.D (-1104) (-)



#30

1,1,1-Trichloroethane

Concen: 48.672 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VV014765.D

Acq: 06 Mar 2020 18:58

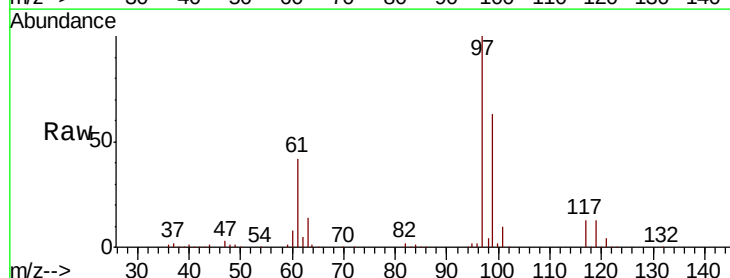
Tgt Ion: 97 Resp: 270580

Ion Ratio Lower Upper

97 100

99 63.9 51.6 77.4

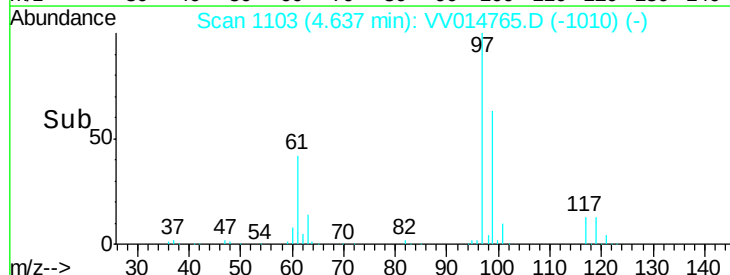
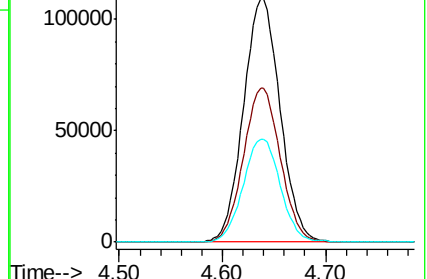
61 43.1 34.6 52.0

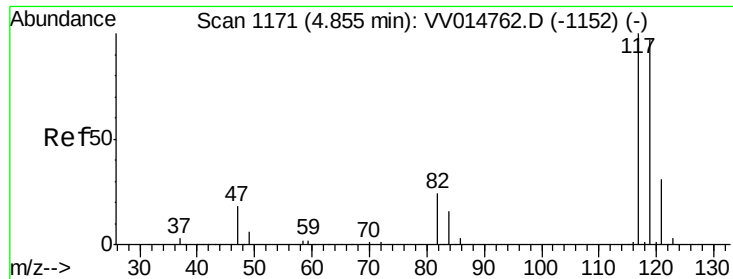


Abundance Ion 97.00 (96.70 to 97.70): VV014762.D (-1084) (-)

Ion 99.00 (98.70 to 99.70): VV014762.D (-1084) (-)

Ion 61.05 (60.75 to 61.75): VV014762.D (-1084) (-)





#31

Carbon tetrachloride

Concen: 49.274 ug/L

RT: 4.86 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VV014765.D

Acq: 06 Mar 2020 18:58

Instrument :

MSVOA_V

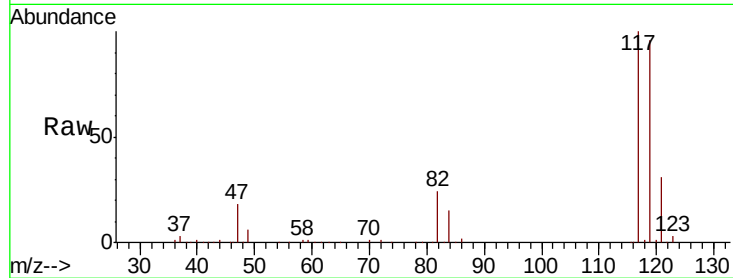
ClientSampled :

Tot Ion:117 Resp: 232635

Ion Ratio Lower Upper

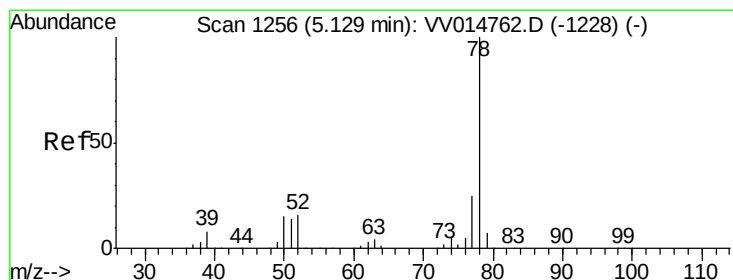
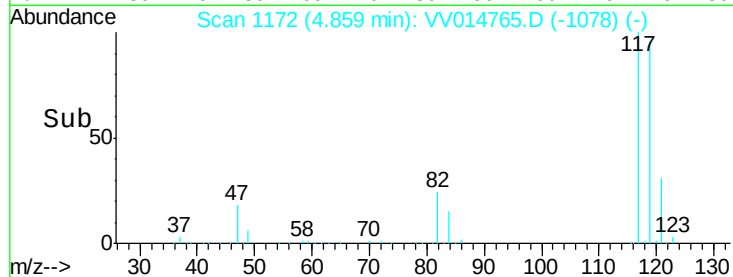
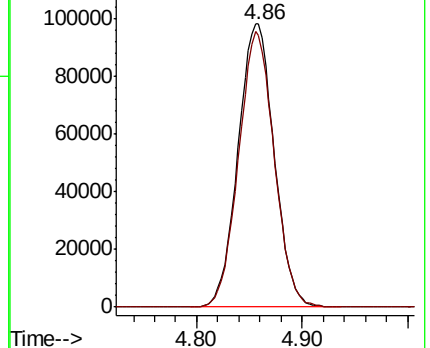
117 100

119 95.9 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: 49.523 ug/L

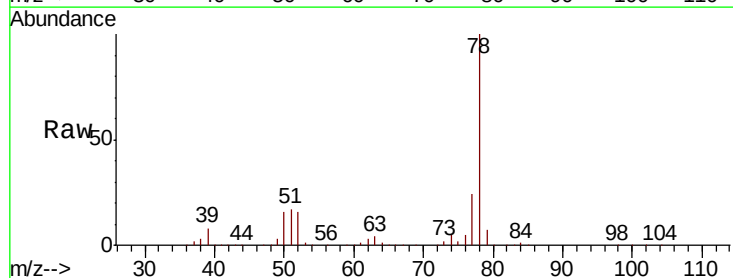
RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

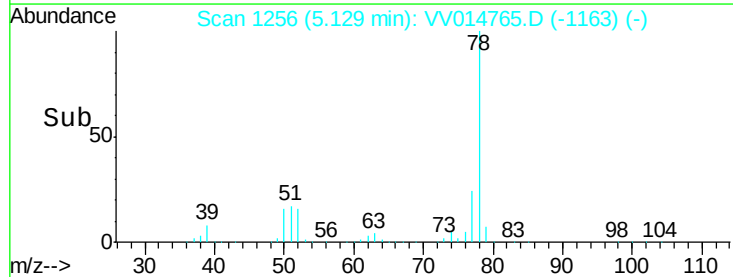
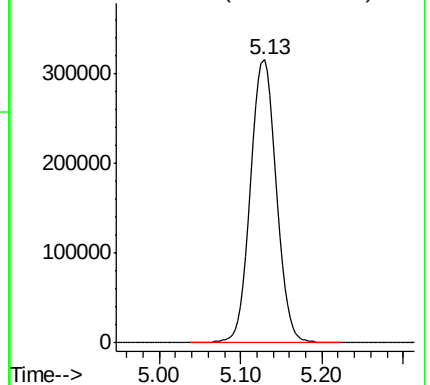
Lab File: VV014765.D

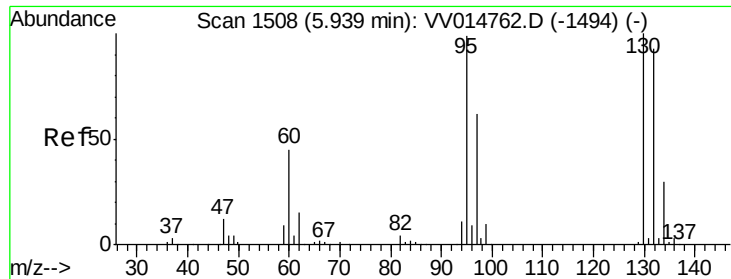
Acq: 06 Mar 2020 18:58

Tgt Ion: 78 Resp: 687934



Abundance Ion 78.00 (77.70 to 78.70): VV0

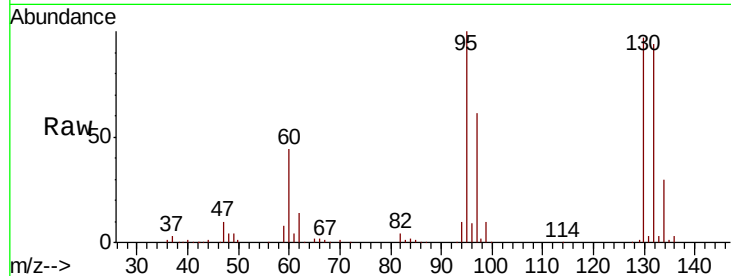




#34
 Trichloroethene
 Concen: 48.614 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. 0.00 min
 Lab File: VV014765.D
 Acq: 06 Mar 2020 18:58

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	95	Resp:	176479
Ion	Ratio	Lower	Upper
95	100		
97	61.3	43.8	81.4
132	94.1	65.8	122.2
130	97.5	70.6	131.2



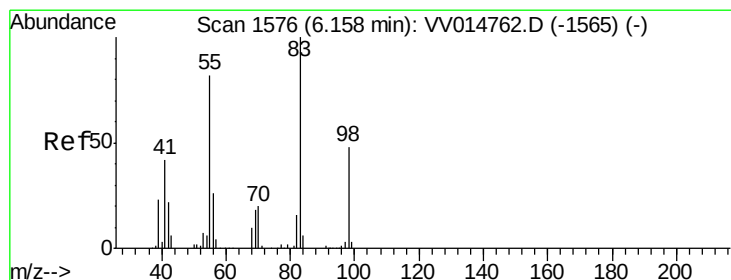
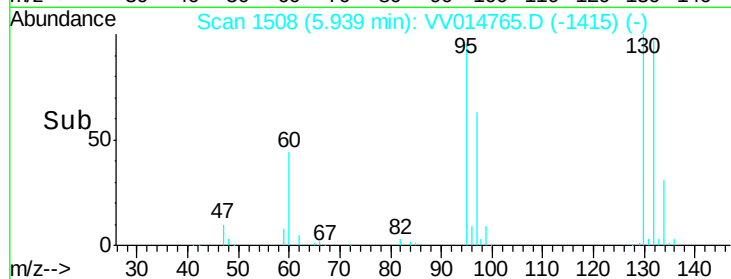
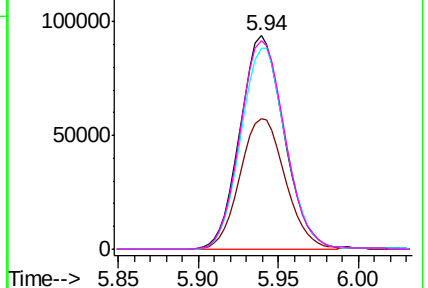
Abundance

Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

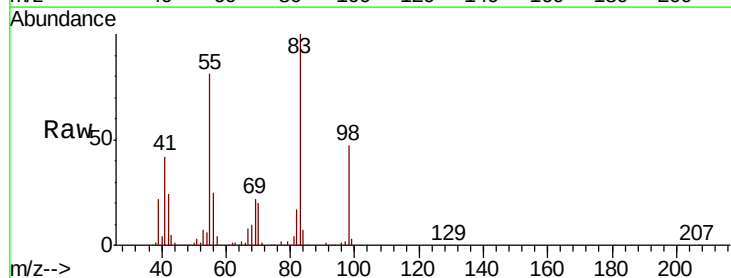
Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35
 Methylcyclohexane
 Concen: 49.493 ug/L
 RT: 6.16 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: VV014765.D
 Acq: 06 Mar 2020 18:58

Tgt Ion:	83	Resp:	296589
Ion	Ratio	Lower	Upper
83	100		
55	79.6	63.4	95.2
98	45.8	36.8	55.2

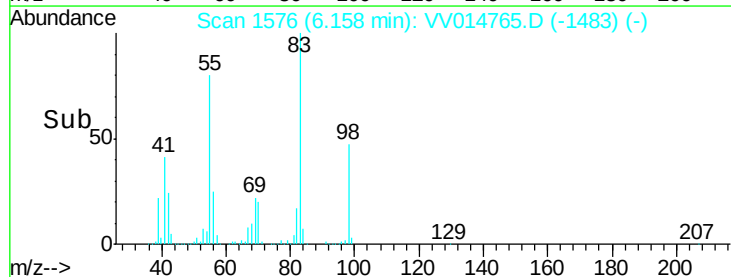
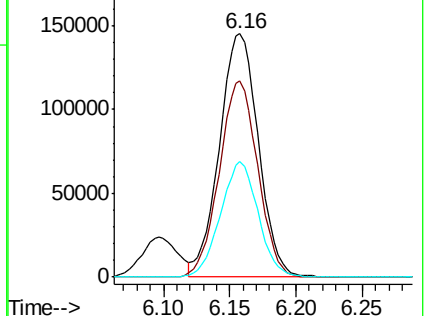


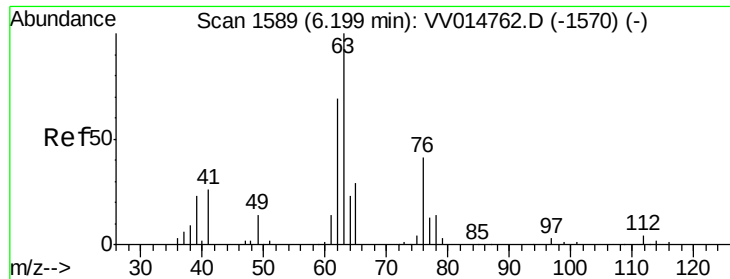
Abundance

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

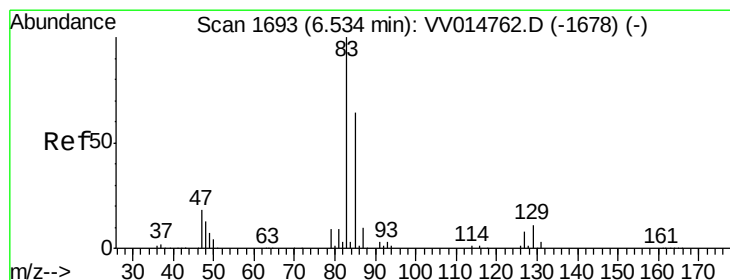
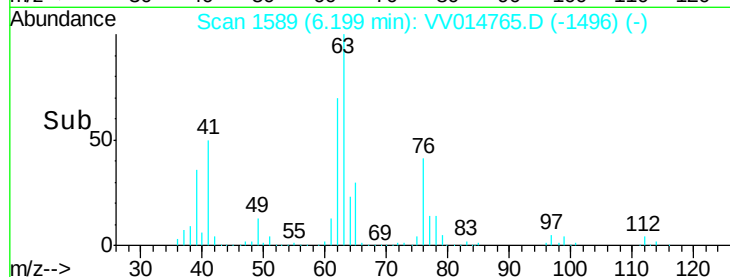
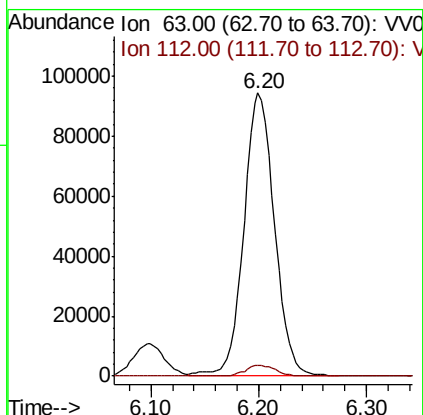
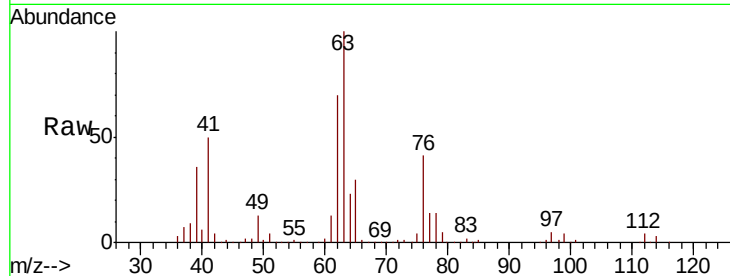




#37
 1,2-Dichloropropane
 Concen: 49.615 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VV014765.D
 Acq: 06 Mar 2020 18:58

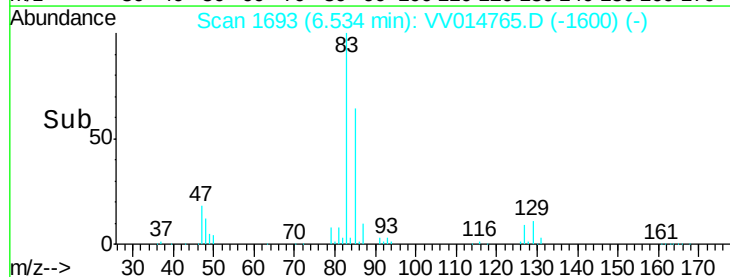
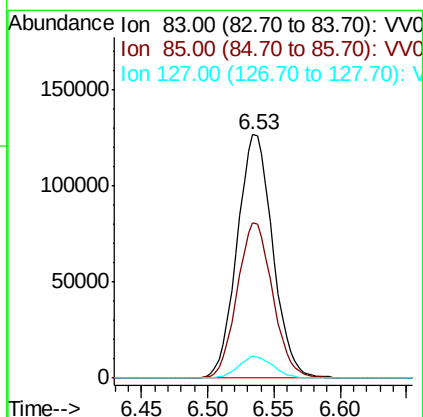
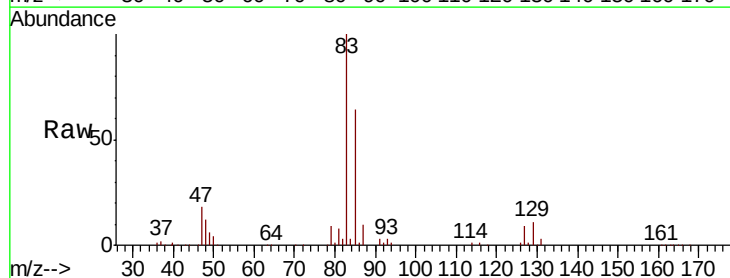
Instrument :
 MSVOA_V
 ClientSampleId :

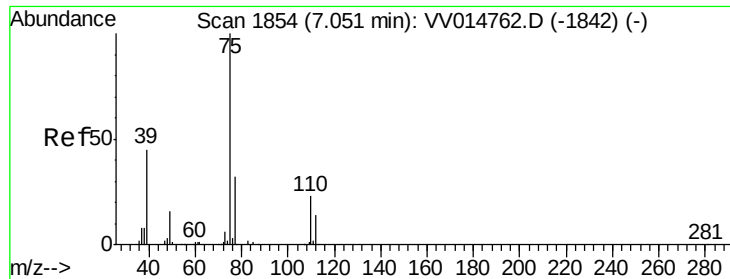
Tot Ion: 63 Resp: 186245
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.2 4.8



#38
 Bromodichloromethane
 Concen: 49.576 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV014765.D
 Acq: 06 Mar 2020 18:58

Tgt Ion: 83 Resp: 236727
 Ion Ratio Lower Upper
 83 100
 85 63.6 45.1 83.7
 127 9.0 6.7 10.1

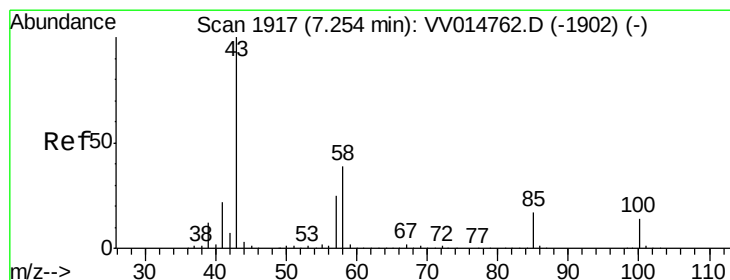
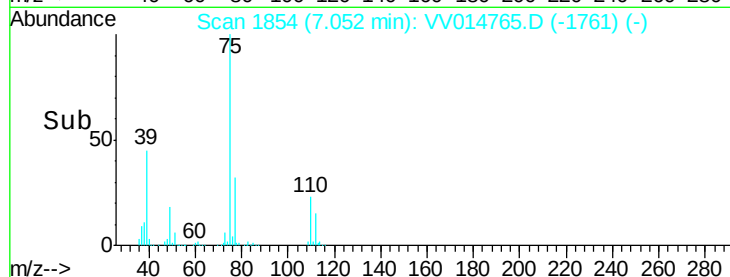
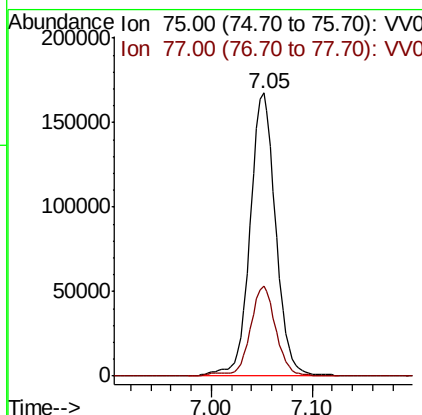
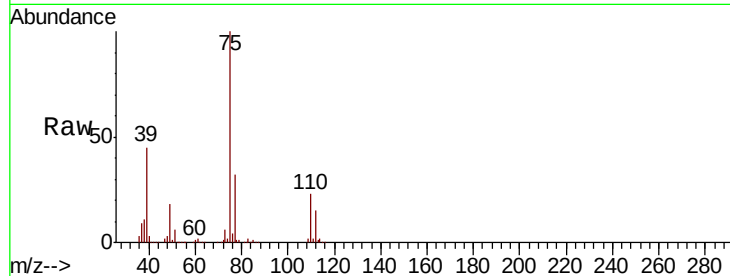




#39
 cis-1,3-Dichloropropene
 Concen: 49.883 ug/L
 RT: 7.05 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VV014765.D
 Acq: 06 Mar 2020 18:58

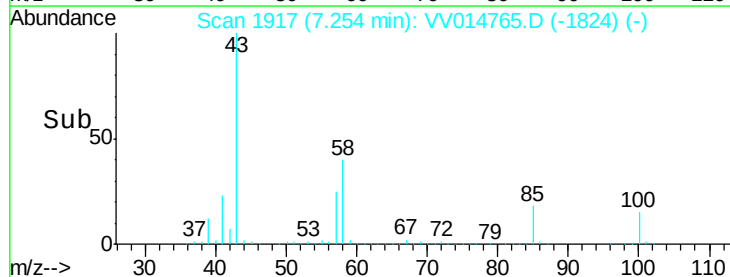
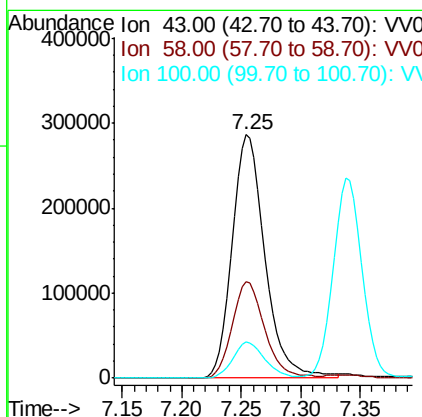
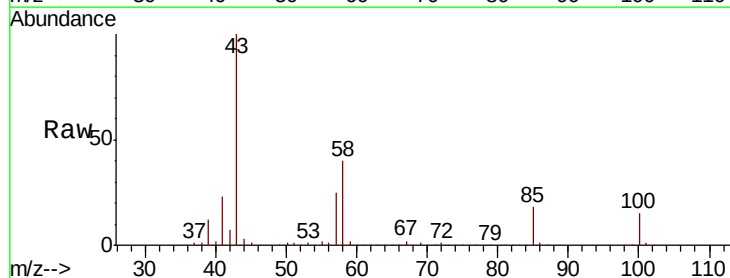
Instrument :
 MSVOA_V
 ClientSampleId :

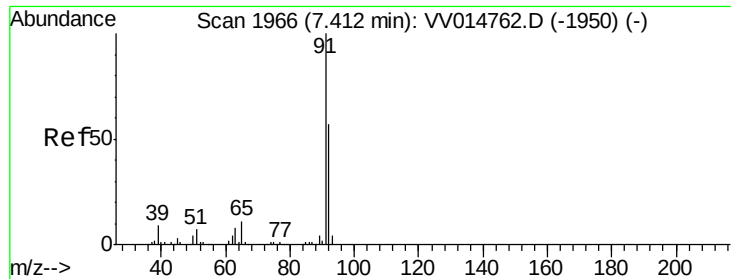
Tot Ion: 75 Resp: 293497
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.8 42.4



#40
 4-Methyl-2-pentanone
 Concen: 100.613 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: VV014765.D
 Acq: 06 Mar 2020 18:58

Tgt Ion: 43 Resp: 547313
 Ion Ratio Lower Upper
 43 100
 58 39.2 31.0 46.4
 100 14.3 11.2 16.8





#42

Toluene

Concen: 49.851 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV014765.D

Acq: 06 Mar 2020 18:58

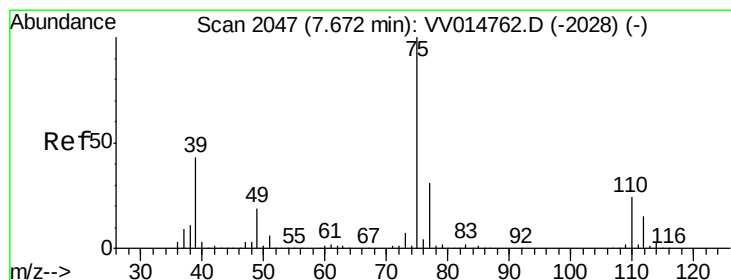
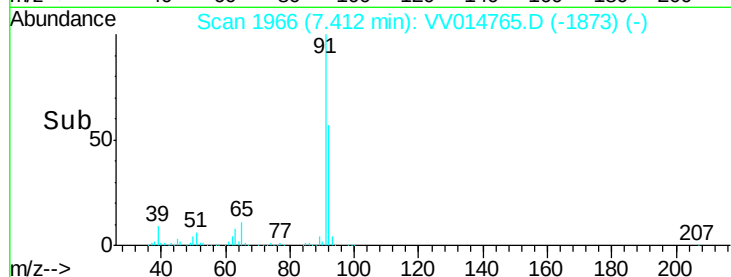
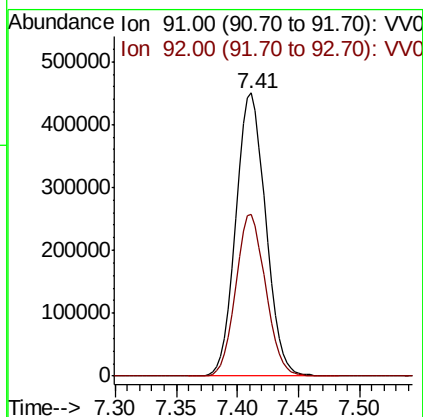
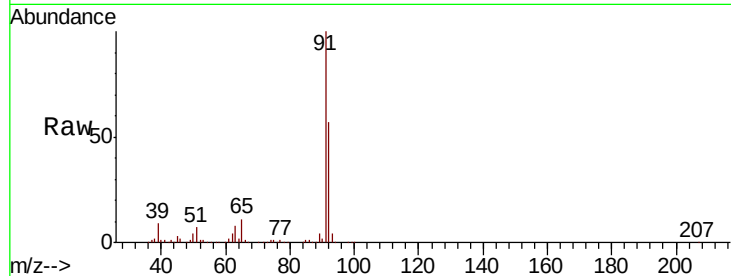
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 763961

Ion Ratio Lower Upper

91 100

92 57.2 40.1 74.5



#44

trans-1,3-Dichloropropene

Concen: 49.713 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV014765.D

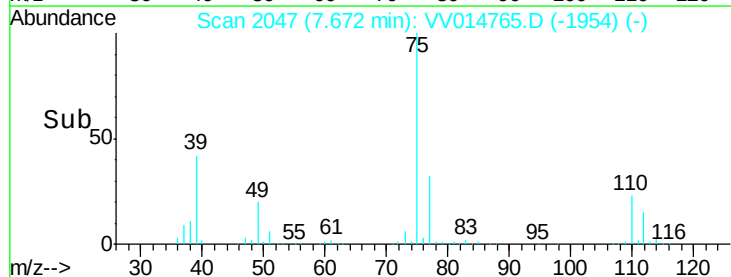
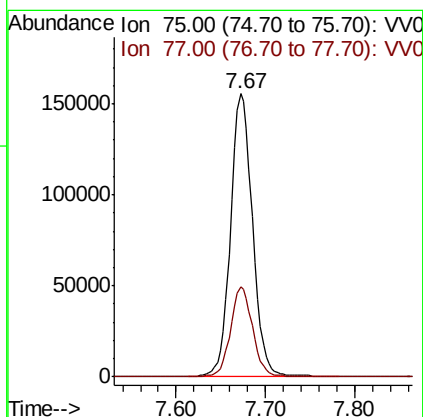
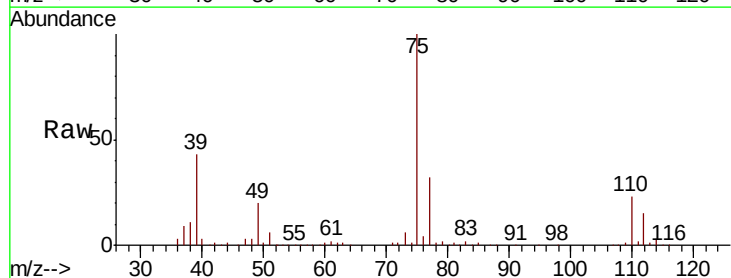
Acq: 06 Mar 2020 18:58

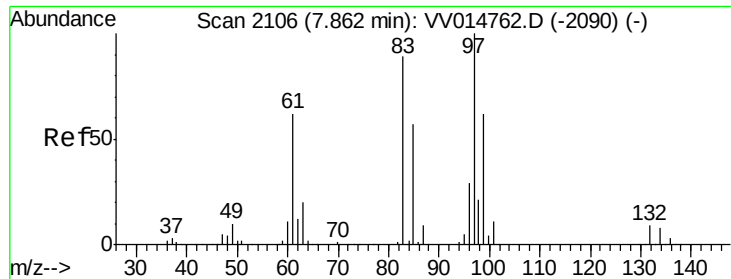
Tgt Ion: 75 Resp: 266644

Ion Ratio Lower Upper

75 100

77 31.9 22.0 40.8

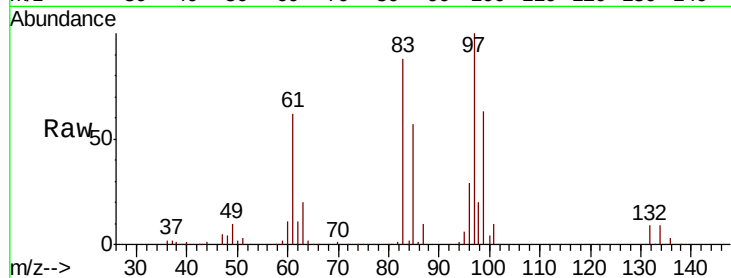




#45
1,1,2-Trichloroethane
Concen: 48.506 ug/L
RT: 7.86 min Scan# 2106
Delta R.T. 0.00 min
Lab File: VV014765.D
Acq: 06 Mar 2020 18:58

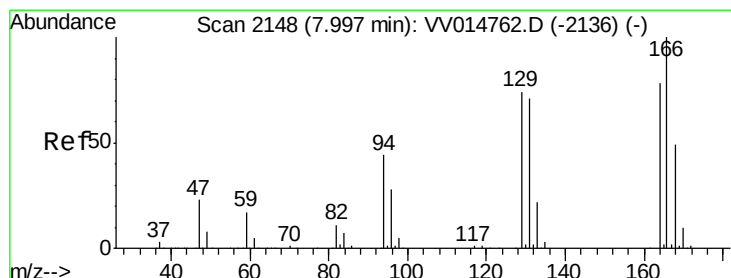
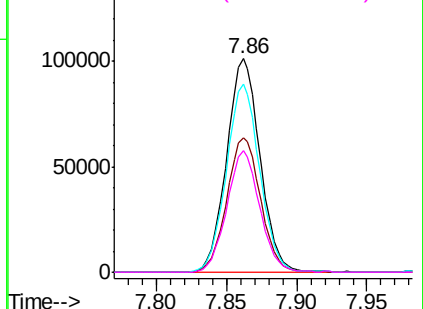
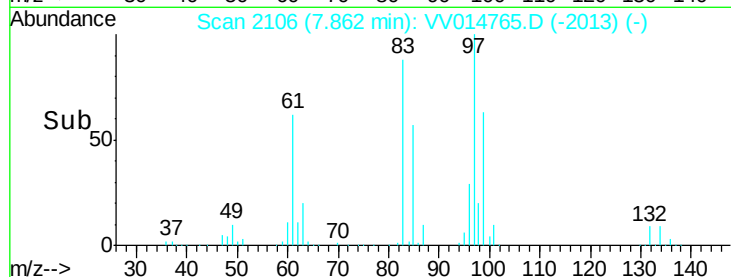
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	97	Resp:	167692
Ion	Ratio	Lower	Upper
97	100		
99	63.2	43.1	80.1
83	88.2	62.4	115.8
85	56.8	40.1	74.5



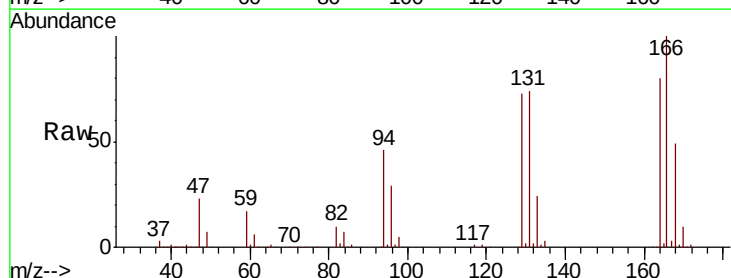
Abundance

Ion 97.00 (96.70 to 97.70): VV014765.D (-2013) (-)



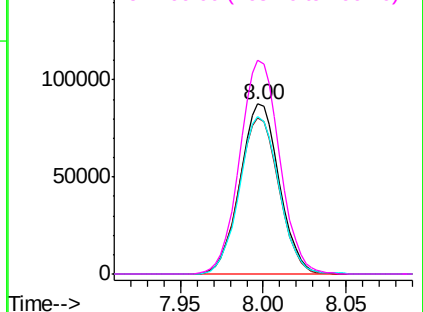
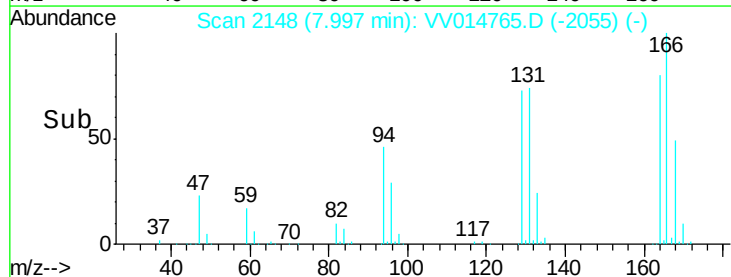
#46
Tetrachloroethene
Concen: 48.454 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV014765.D
Acq: 06 Mar 2020 18:58

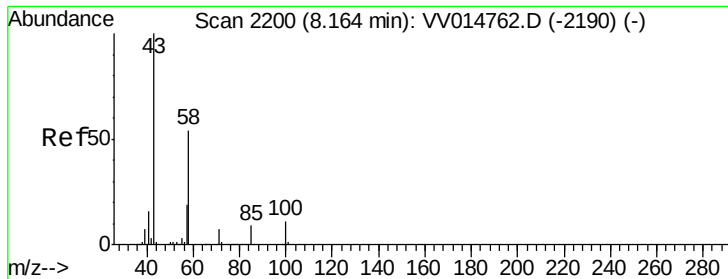
Tgt Ion:	164	Resp:	143916
Ion	Ratio	Lower	Upper
164	100		
129	92.2	66.0	122.6
131	92.6	63.9	118.7
166	125.7	89.7	166.7



Abundance

Ion 164.00 (163.70 to 164.70): VV014765.D (-2055) (-)

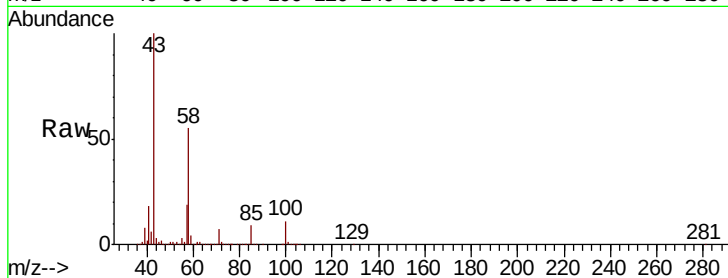




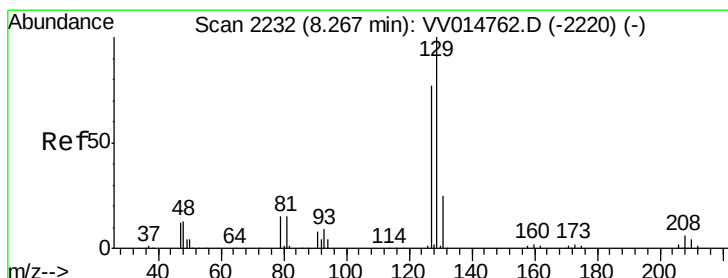
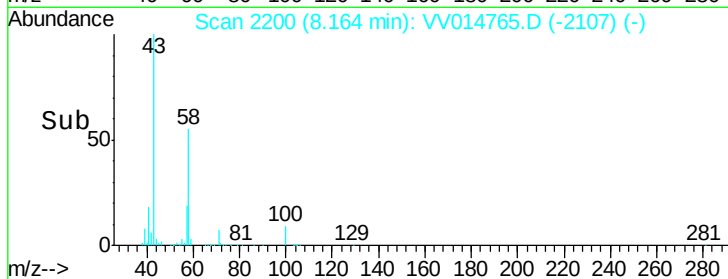
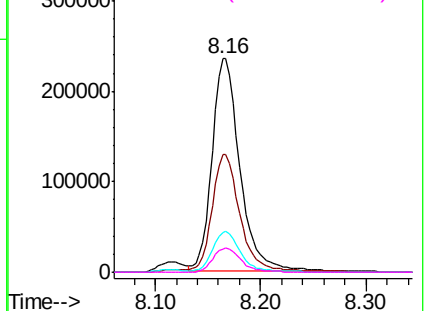
#48
2-Hexanone
Concen: 100.636 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VV014765.D
Acq: 06 Mar 2020 18:58

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 430555
Ion Ratio Lower Upper
43 100
58 54.7 43.3 64.9
57 18.7 15.6 23.4
100 11.5 8.7 13.1

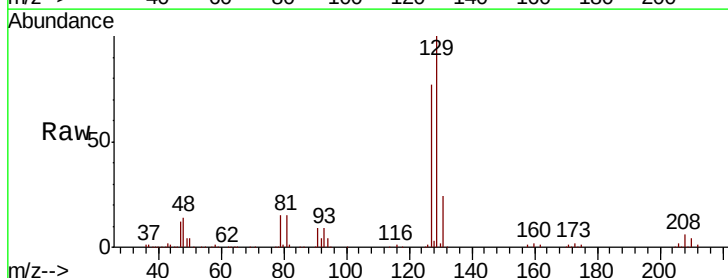


Abundance Ion 43.00 (42.70 to 43.70): VV014765.D (-2107) (-)
Ion 58.00 (57.70 to 58.70): VV014765.D (-2107) (-)
Ion 57.00 (56.70 to 57.70): VV014765.D (-2107) (-)
Ion 100.00 (99.70 to 100.70): VV014765.D (-2107) (-)

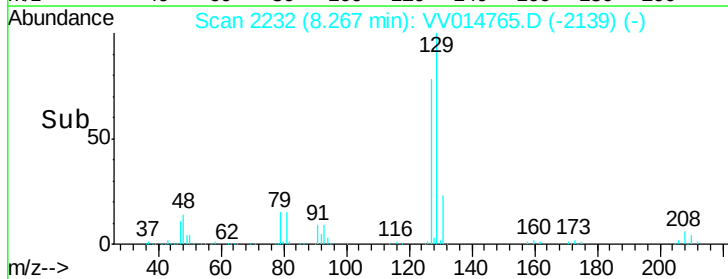
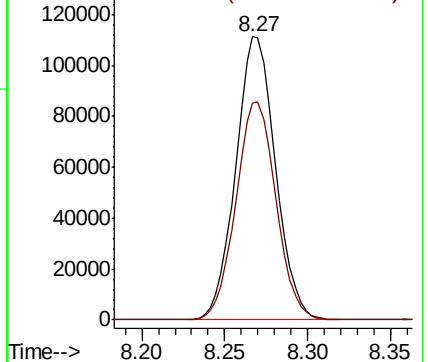


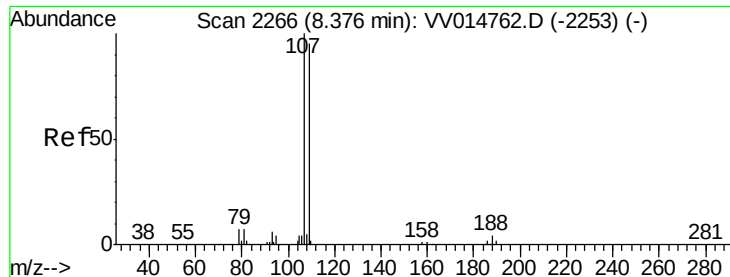
#49
Dibromochloromethane
Concen: 49.209 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV014765.D
Acq: 06 Mar 2020 18:58

Tgt Ion: 129 Resp: 185423
Ion Ratio Lower Upper
129 100
127 76.7 53.9 100.1



Abundance Ion 129.00 (128.70 to 129.70): VV014765.D (-2139) (-)
Ion 127.00 (126.70 to 127.70): VV014765.D (-2139) (-)

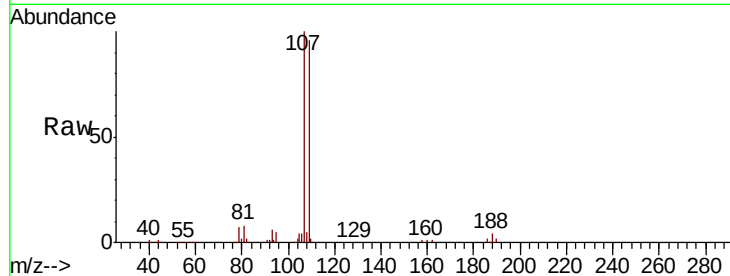




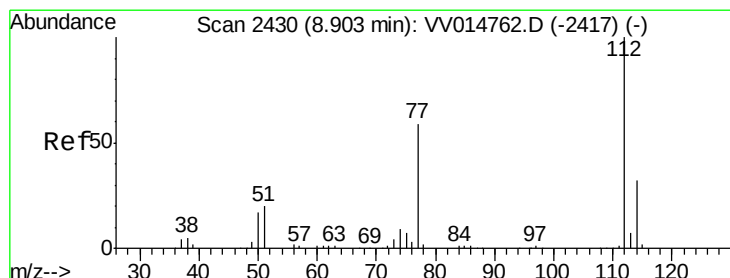
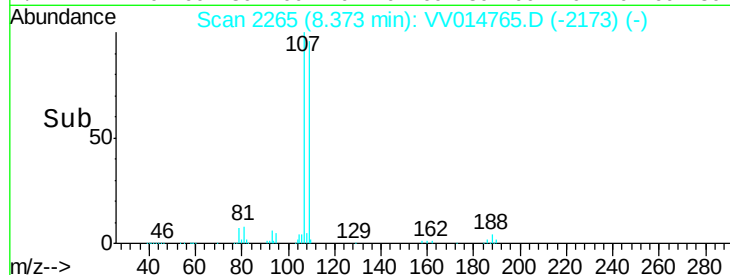
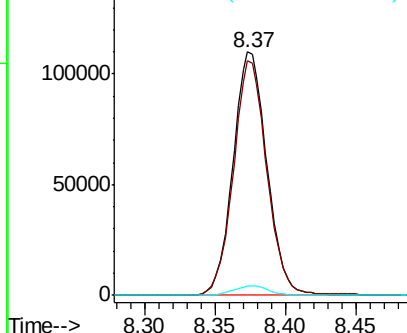
#50
1,2-Dibromoethane
Concen: 49.385 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. -0.00 min
Lab File: VV014765.D
Acq: 06 Mar 2020 18:58

Instrument :
MSVOA_V
ClientSampled :

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.3	66.6	123.6
188	3.7	3.0	4.6

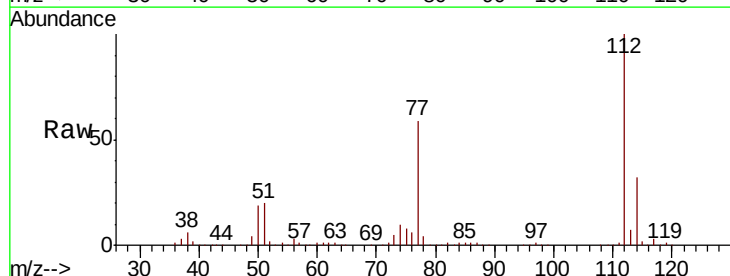


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

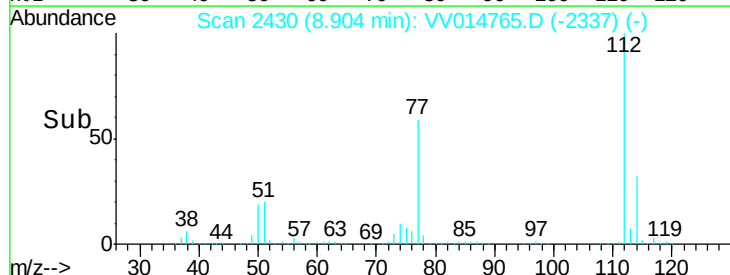
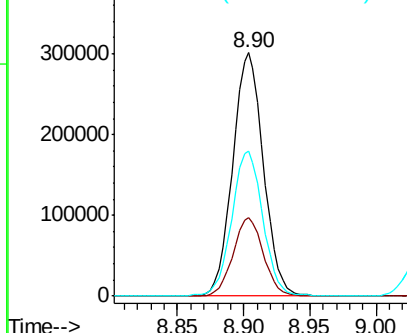


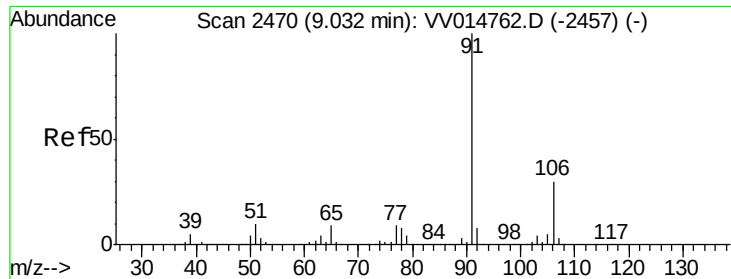
#51
Chlorobenzene
Concen: 49.118 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV014765.D
Acq: 06 Mar 2020 18:58

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.3	22.1	41.1
77	59.3	47.8	71.8



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





#52

Ethylbenzene

Concen: 49.766 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV014765.D

Acq: 06 Mar 2020 18:58

Instrument :

MSVOA_V

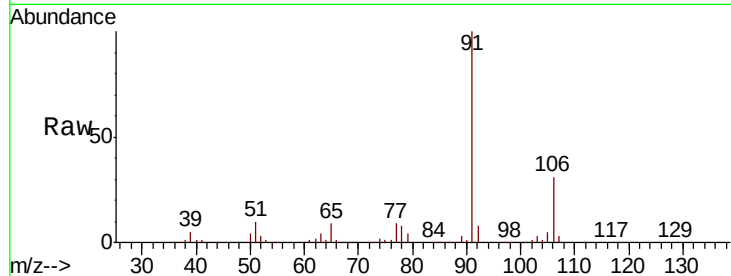
ClientSampleId :

Tot Ion: 91 Resp: 859213

Ion Ratio Lower Upper

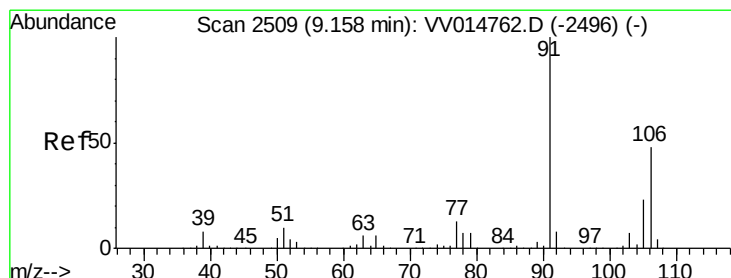
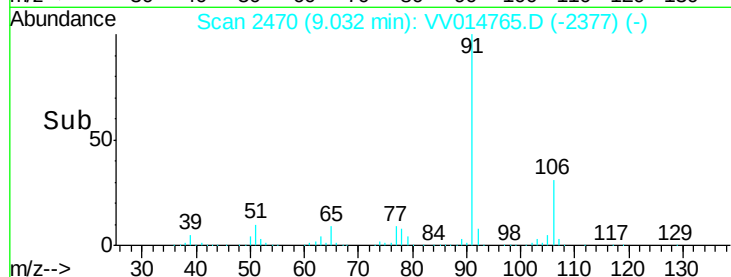
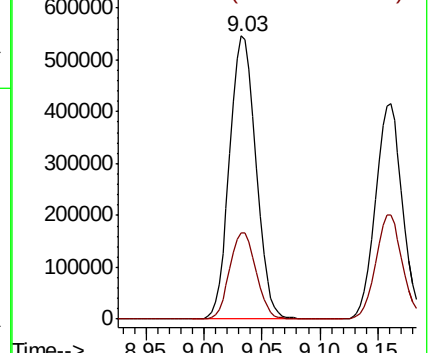
91 100

106 30.6 21.3 39.6



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 106.00 (105.70 to 106.70): V



#53

m,p-Xylene

Concen: 49.889 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV014765.D

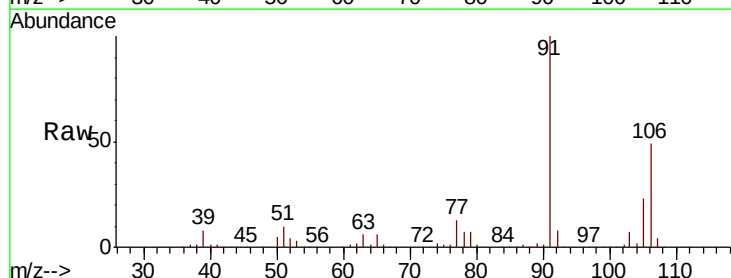
Acq: 06 Mar 2020 18:58

Tgt Ion: 106 Resp: 323245

Ion Ratio Lower Upper

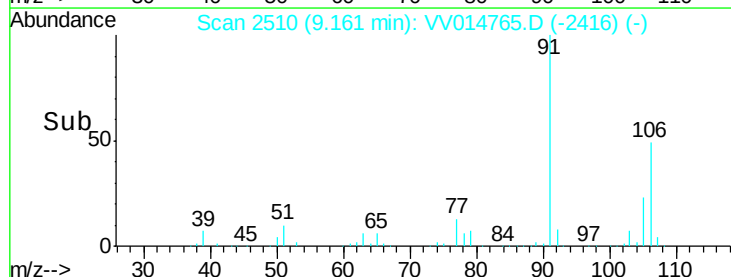
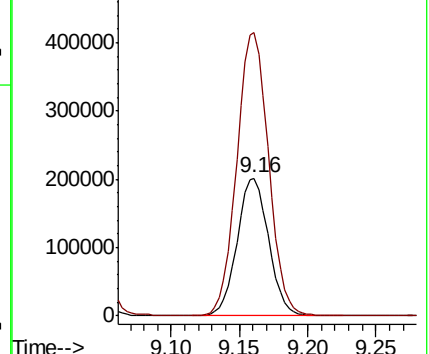
106 100

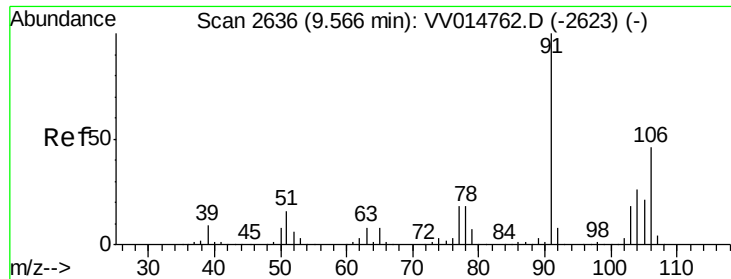
91 205.7 145.1 269.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0

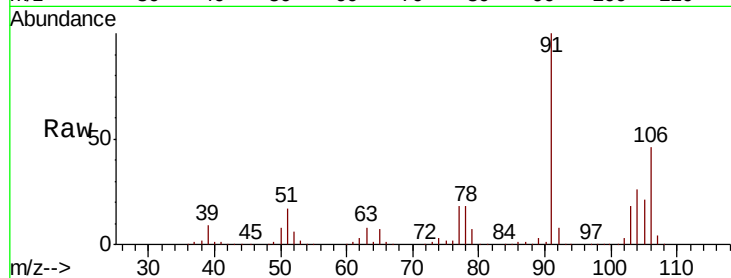




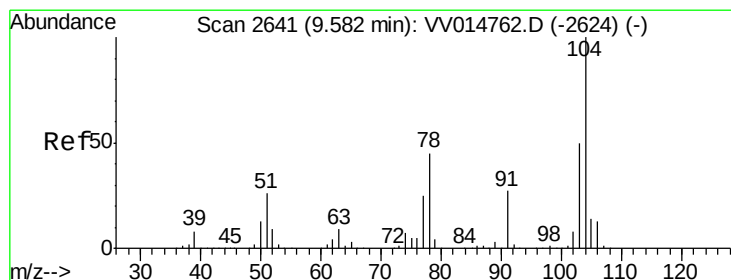
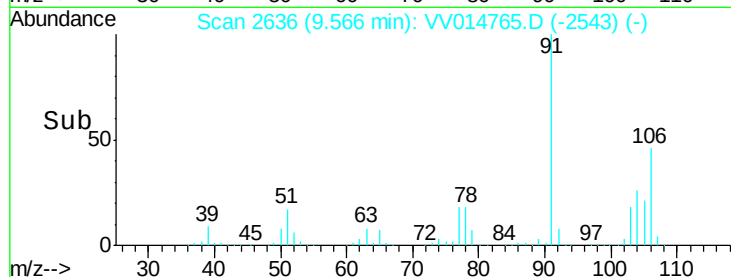
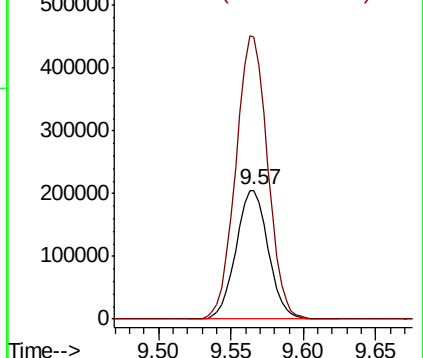
#54
o-xylene
Concen: 49.792 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV014765.D
Acq: 06 Mar 2020 18:58

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 316907
Ion Ratio Lower Upper
106 100
91 218.9 152.5 283.3

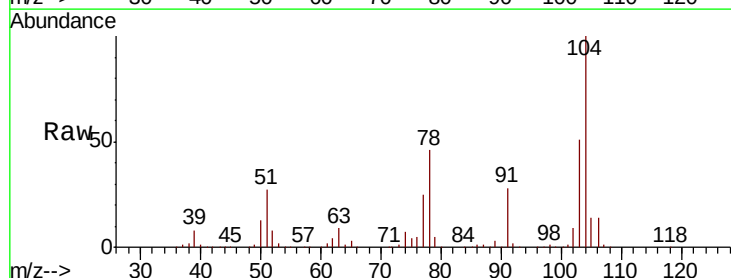


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

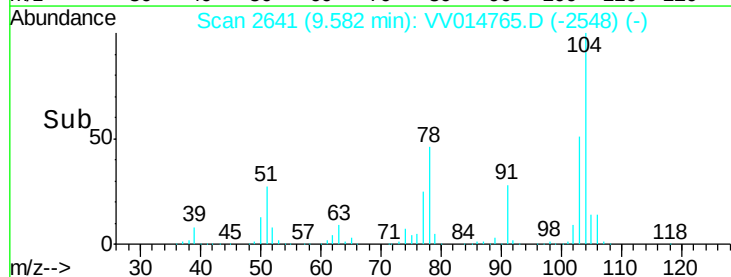
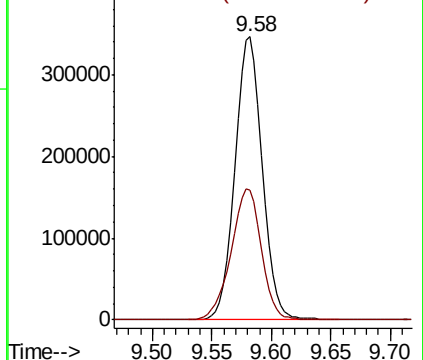


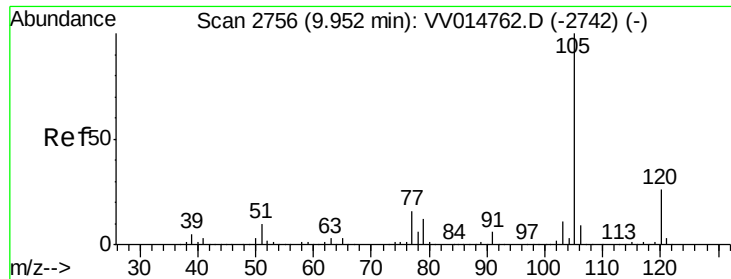
#55
Styrene
Concen: 50.567 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV014765.D
Acq: 06 Mar 2020 18:58

Tgt Ion:104 Resp: 550341
Ion Ratio Lower Upper
104 100
78 46.0 31.6 58.6



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

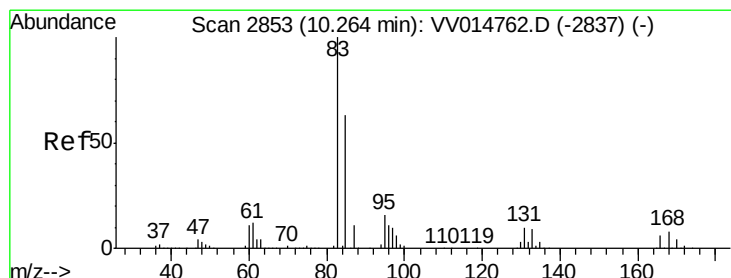
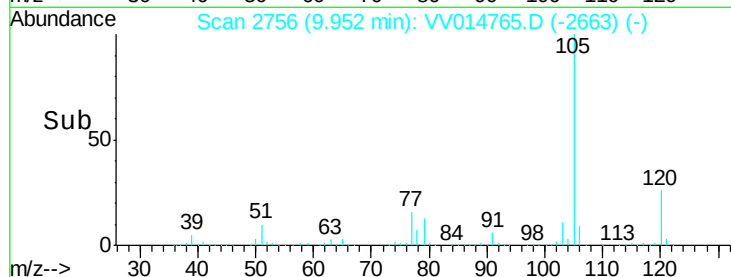
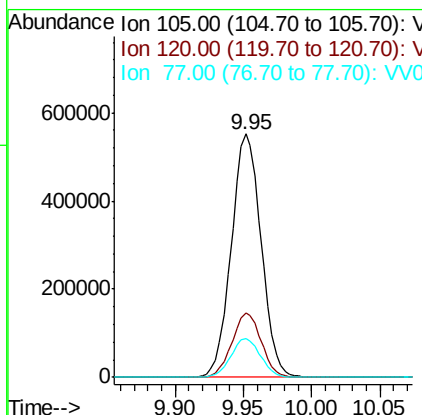
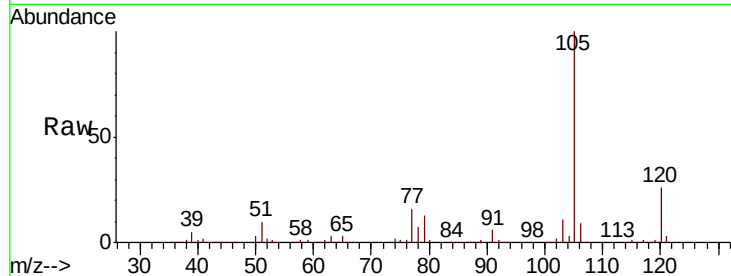




#56
Isopropylbenzene
Concen: 49.177 ug/L
RT: 9.95 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VV014765.D
Acq: 06 Mar 2020 18:58

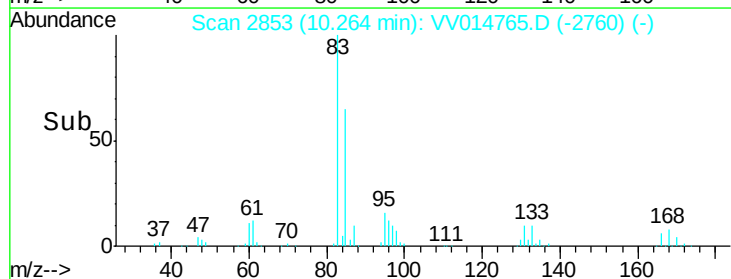
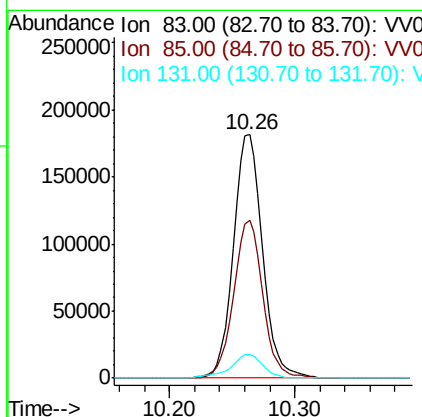
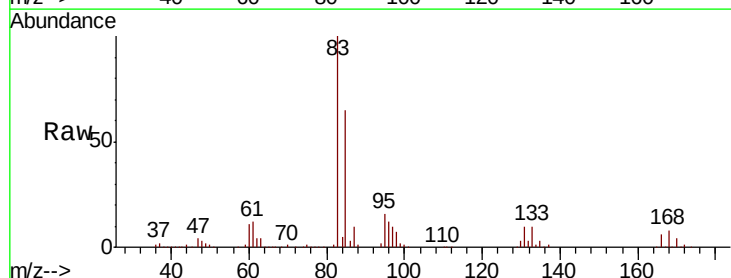
Instrument :
MSVOA_V
ClientSampleId :

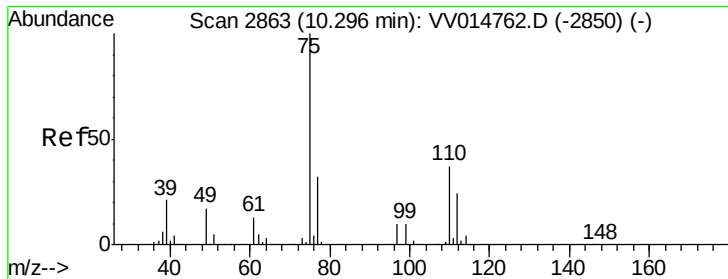
Tot Ion	Ratio	Lower	Upper
105	100		
120	26.1	20.6	31.0
77	15.9	12.7	19.1



#58
1,1,2,2-Tetrachloroethane
Concen: 49.028 ug/L
RT: 10.26 min Scan# 2853
Delta R.T. 0.00 min
Lab File: VV014765.D
Acq: 06 Mar 2020 18:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	44.4	82.5
131	9.8	7.8	11.8





#59

1,2,3-Trichloropropane

Concen: 49.134 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV014765.D

Acq: 06 Mar 2020 18:58

Instrument :

MSVOA_V

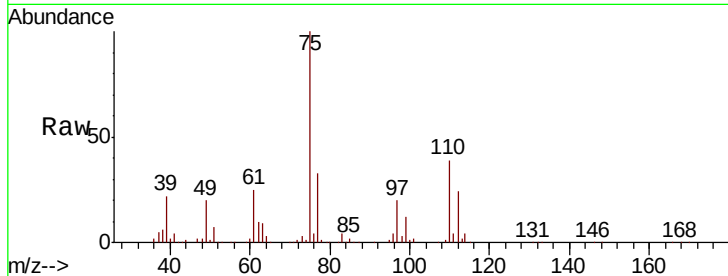
ClientSampleId :

Tot Ion: 75 Resp: 235542

Ion Ratio Lower Upper

75 100

77 32.6 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VV014762.D (-2850) (-)

Ion 77.00 (76.70 to 77.70): VV014762.D (-2850) (-)

10.30

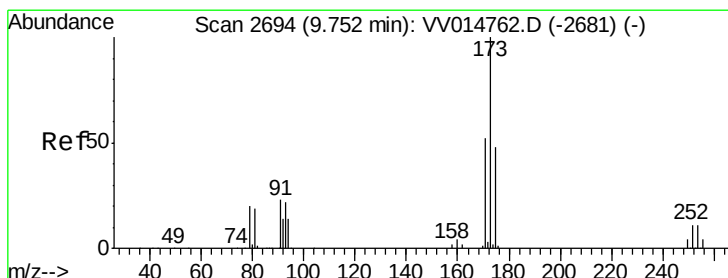
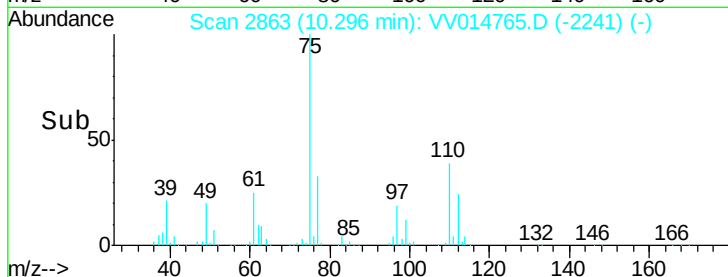
150000

100000

50000

0

Time-->



#61

Bromoform

Concen: 48.812 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV014765.D

Acq: 06 Mar 2020 18:58

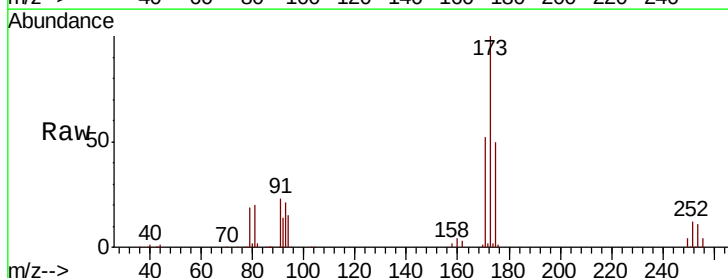
Tgt Ion: 173 Resp: 135237

Ion Ratio Lower Upper

173 100

175 49.3 39.0 58.4

254 11.5 8.6 13.0



Abundance Ion 173.00 (172.70 to 173.70): VV014762.D (-2681) (-)

Ion 175.00 (174.70 to 175.70): VV014762.D (-2681) (-)

Ion 254.00 (253.70 to 254.70): VV014762.D (-2681) (-)

9.75

100000

80000

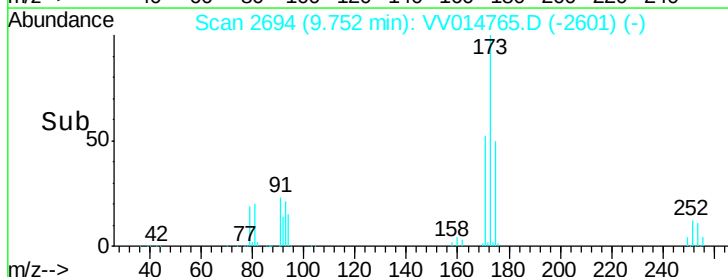
60000

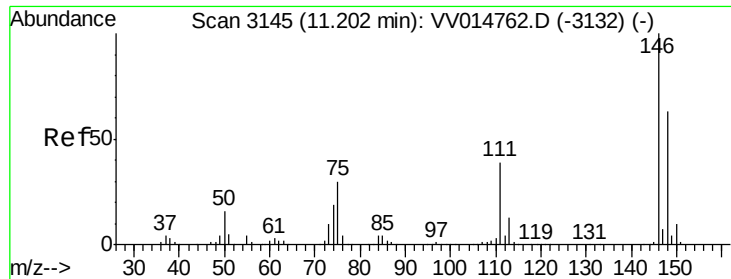
40000

20000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 48.819 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV014765.D

Acq: 06 Mar 2020 18:58

Instrument :

MSVOA_V

ClientSampleId :

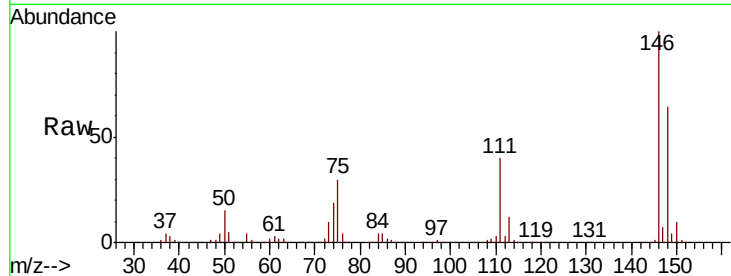
Tot Ion:146 Resp: 403168

Ion Ratio Lower Upper

146 100

111 39.6 27.2 50.4

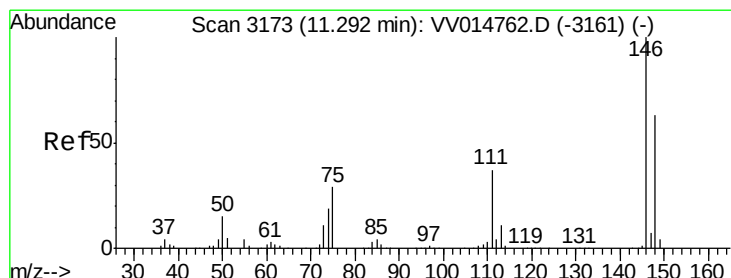
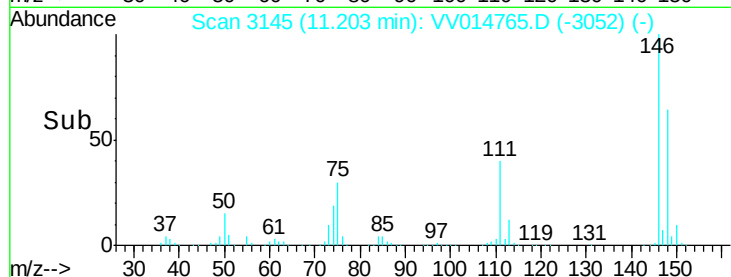
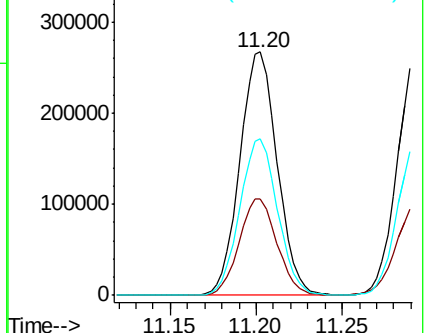
148 64.2 44.2 82.2



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



#63

1,4-Dichlorobenzene

Concen: 48.805 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV014765.D

Acq: 06 Mar 2020 18:58

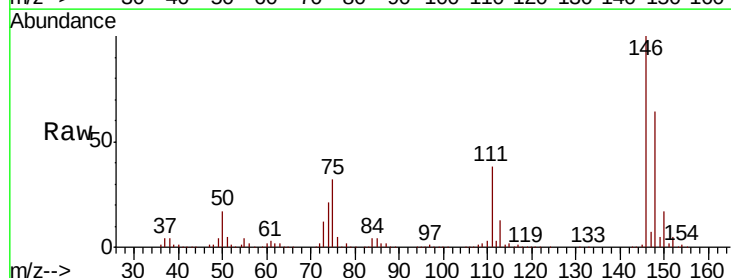
Tgt Ion:146 Resp: 406071

Ion Ratio Lower Upper

146 100

111 37.9 26.3 48.9

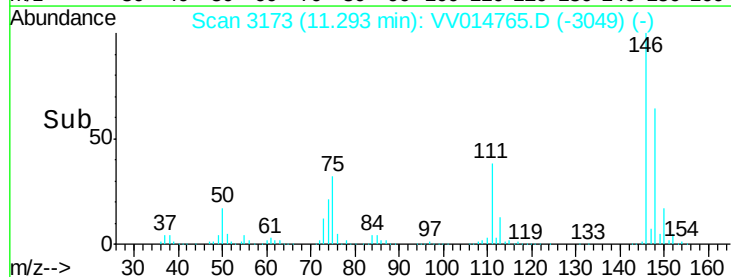
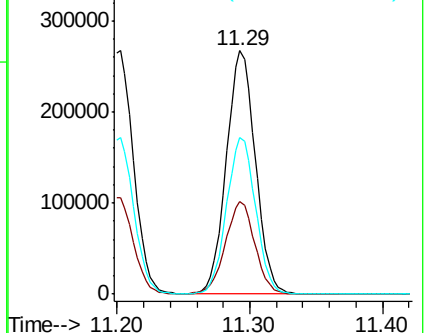
148 64.3 44.0 81.8

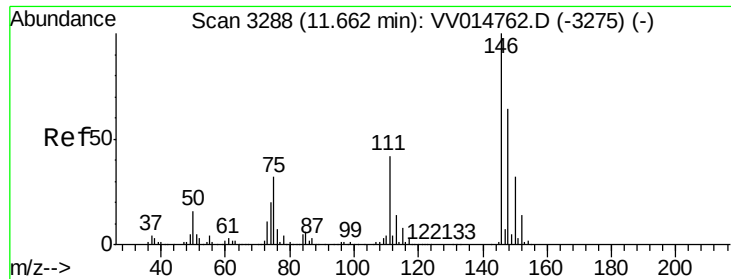


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 48.570 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV014765.D

Acq: 06 Mar 2020 18:58

Instrument :

MSVOA_V

ClientSampleId :

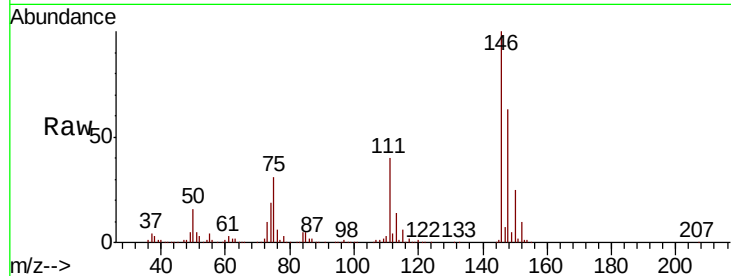
Tot Ion:146 Resp: 399338

Ion Ratio Lower Upper

146 100

111 40.2 33.9 50.9

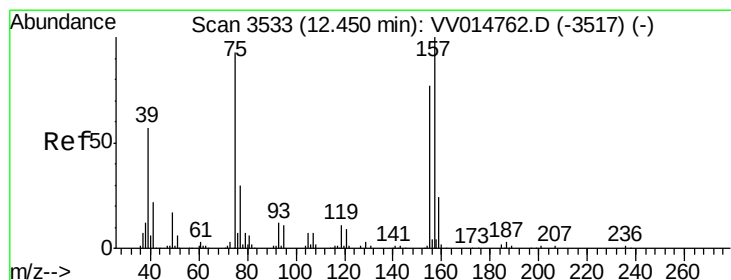
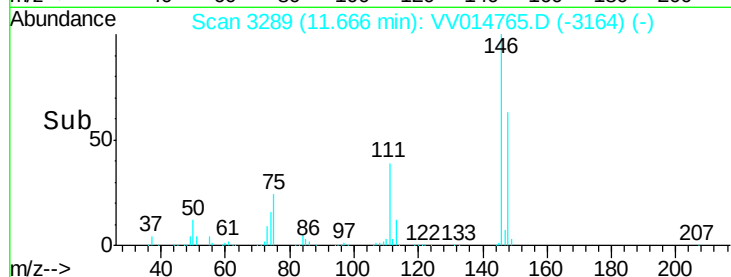
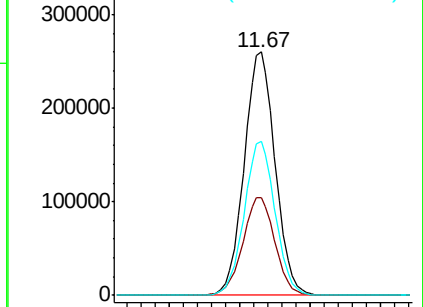
148 63.4 51.4 77.0



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: 50.119 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV014765.D

Acq: 06 Mar 2020 18:58

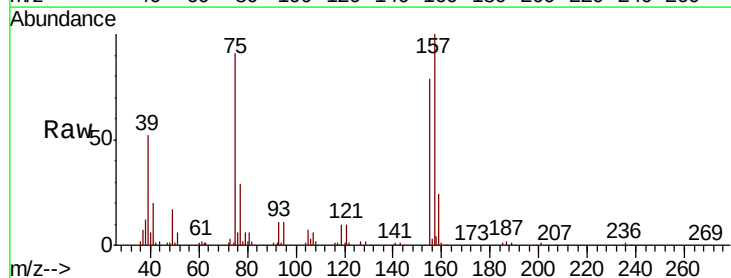
Tgt Ion: 75 Resp: 69937

Ion Ratio Lower Upper

75 100

155 86.8 66.4 99.6

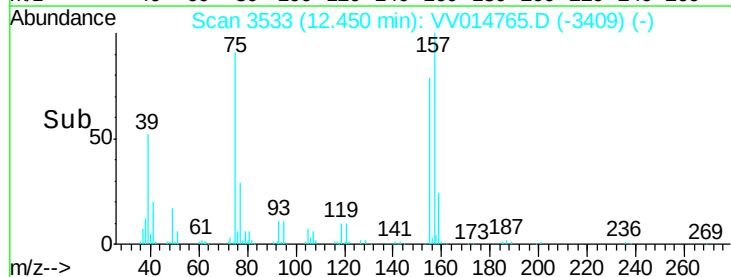
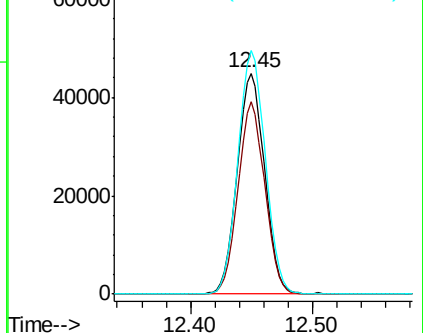
157 110.2 86.1 129.1

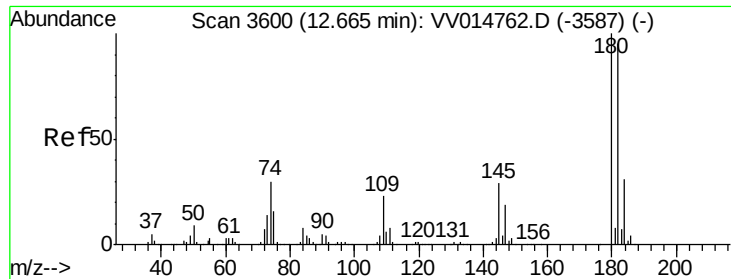


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

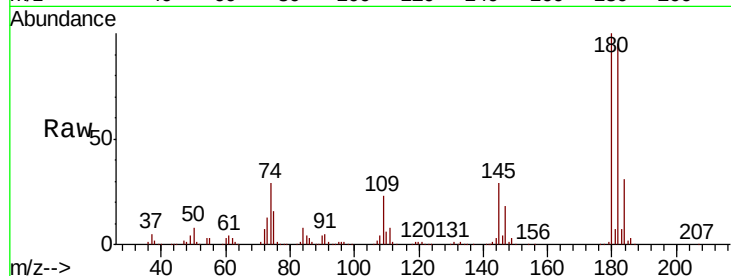




#67
 1,3,5-Trichlorobenzene
 Concen: 49.024 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VV014765.D
 Acq: 06 Mar 2020 18:58

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	75.6	113.4
184	30.7	24.8	37.2
145	28.6	23.3	34.9



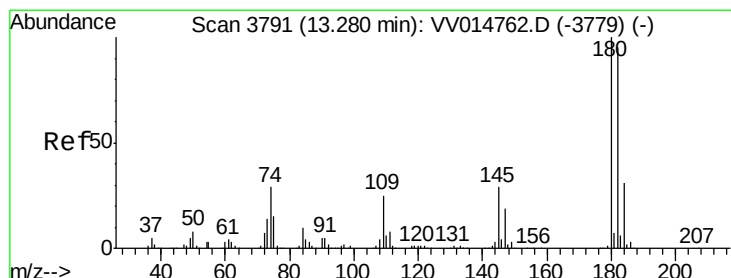
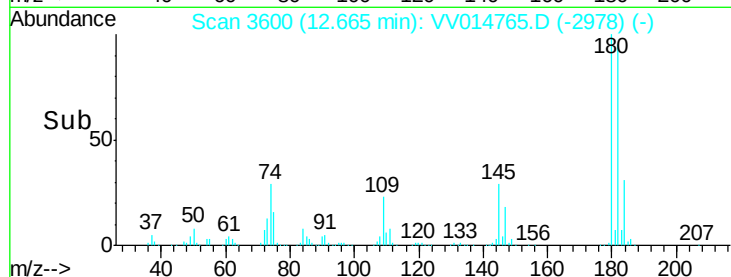
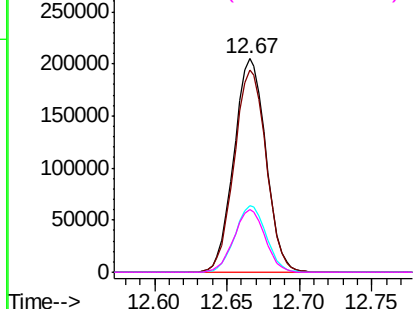
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

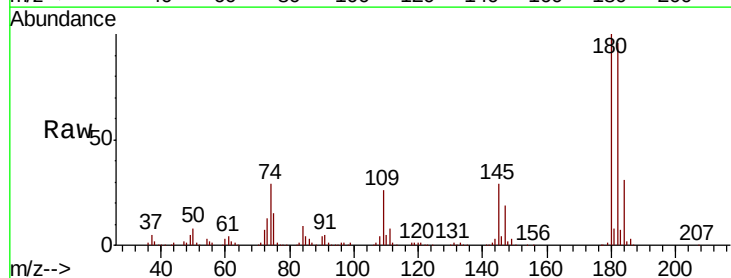
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 49.275 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV014765.D
 Acq: 06 Mar 2020 18:58

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.8	76.6	114.8
145	29.3	23.4	35.0

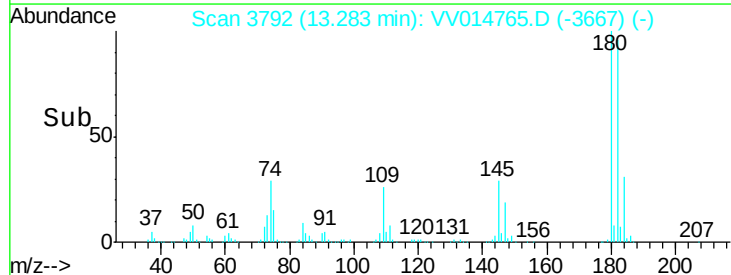
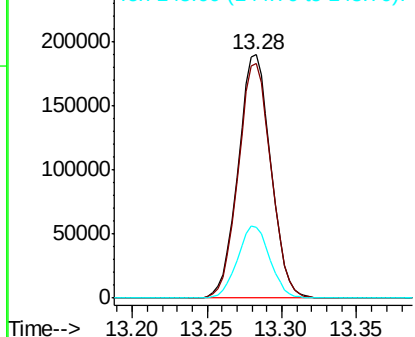


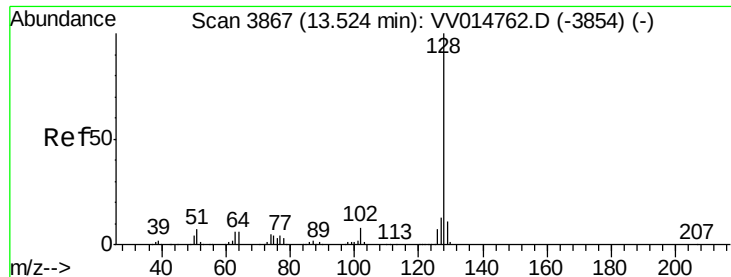
Abundance

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: 50.942 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV014765.D

Acq: 06 Mar 2020 18:58

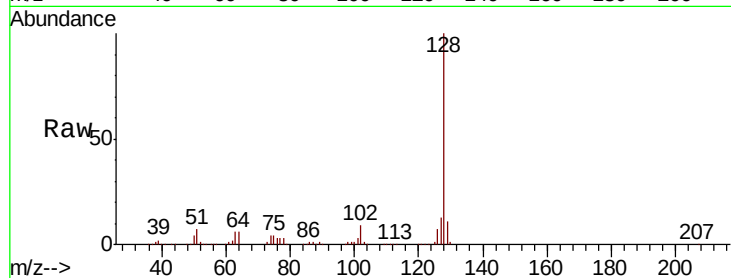
Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:128 Resp: 450203

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	11.1	8.5	12.7

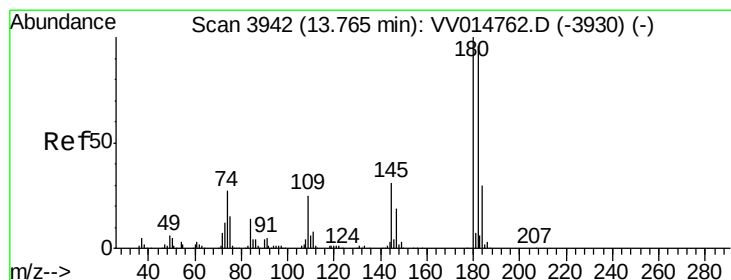
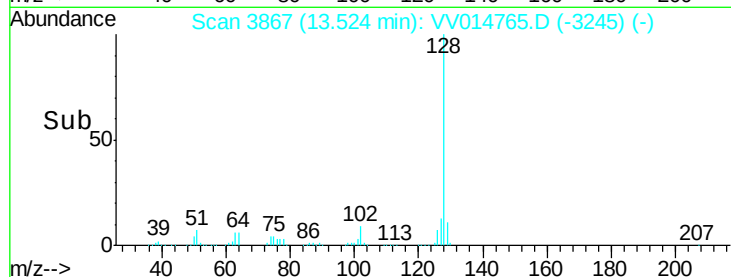
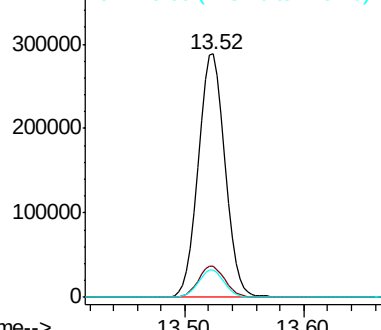


Abundance

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: 50.514 ug/L

RT: 13.77 min Scan# 3942

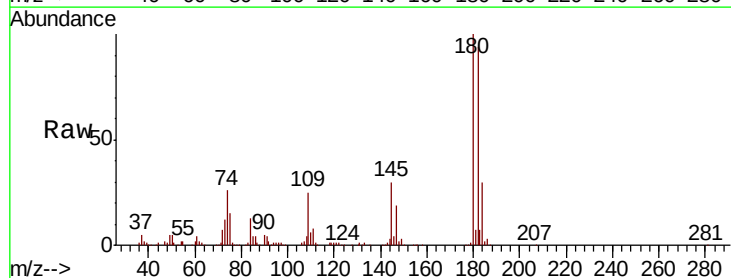
Delta R.T. 0.00 min

Lab File: VV014765.D

Acq: 06 Mar 2020 18:58

Tgt Ion:180 Resp: 295577

Ion	Ratio	Lower	Upper
180	100		
182	94.7	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

