

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV030819\
 Data File : VV009541.D
 Acq On : 08 Mar 2019 15:19
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA_V/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB72

Quant Time: Mar 09 01:19:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM030519S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 08 03:01:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	175210	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	166168	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	79342	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	50381	23.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.56%
7) Chloroethane-d5	1.57	69	60053	19.69	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.76%
10) 1,1-Dichloroethene-d2	2.13	63	144461	26.32	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	105.28%
20) 2-Butanone-d5	3.94	46	26931	37.47	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	74.94%
24) Chloroform-d	4.40	84	108945	26.10	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	104.40%
26) 1,2-Dichloroethane-d4	5.08	65	61042	25.71	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.84%
29) Benzene-d6	5.10	84	223605	27.17	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	108.68%
33) 1,2-Dichloropropane-d6	6.12	67	65352	26.91	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	107.64%
37) Toluene-d8	7.36	98	218515	27.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	108.92%
38) trans-1,3-Dichloropropene-	7.66	79	28361	24.10	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.40%
39) 2-Hexanone-d5	8.14	63	21664	38.22	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	76.44%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	56311	21.76	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	87.04%
61) 1,2-Dichlorobenzene-d4	11.67	152	76213	26.31	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	105.24%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	57088	28.298	ug/L 100
3) Chloromethane	1.25	50	58726	27.314	ug/L 100
5) Vinyl chloride	1.32	62	64330	27.139	ug/L 99
6) Bromomethane	1.53	94	70852	24.011	ug/L 99
8) Chloroethane	1.59	64	67933	25.790	ug/L 99
9) Trichlorofluoromethane	1.76	101	137692	28.318	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	79284	29.120	ug/L 97
12) 1,1-Dichloroethene	2.14	96	67445	28.953	ug/L 81
13) Acetone	2.20	43	26182	35.830	ug/L 99
14) Carbon disulfide	2.31	76	167023	28.288	ug/L 100
15) Methyl Acetate	2.46	43	22052	18.635	ug/L 99
16) Methylene chloride	2.53	84	58756	25.552	ug/L 99
17) Methyl tert-butyl Ether	2.80	73	131163	25.144	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	58440	27.930	ug/L 99
19) 1,1-Dichloroethane	3.23	63	106971	29.014	ug/L 100
21) 2-Butanone	4.03	43	30264	32.816	ug/L 98
22) cis-1,2-Dichloroethene	3.96	96	67112	28.411	ug/L 99

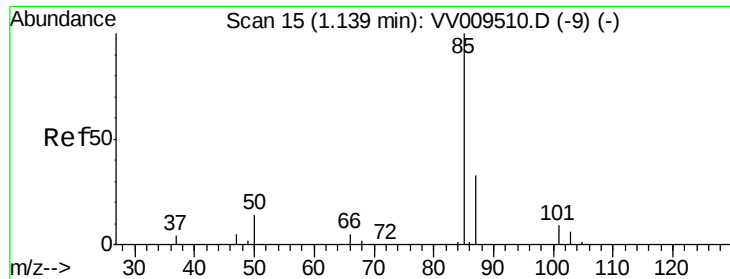
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV030819\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	28929	26.560	ug/L	94
25) Chloroform	4.42	83	119900	29.141	ug/L	99
27) 1,2-Dichloroethane	5.18	62	76014	26.601	ug/L	96
30) Cyclohexane	4.72	56	97852	27.747	ug/L	95
31) 1,1,1-Trichloroethane	4.66	97	107314	28.889	ug/L	99
32) Carbon tetrachloride	4.87	117	90761	28.900	ug/L	100
34) Benzene	5.14	78	244222	28.444	ug/L	100
35) Trichloroethene	5.96	95	68439	27.736	ug/L	97
36) Methylcyclohexane	6.17	83	114577	28.504	ug/L	97
40) 1,2-Dichloropropane	6.22	63	60361	27.265	ug/L	99
41) Bromodichloromethane	6.55	83	84767	28.367	ug/L	95
42) cis-1,3-Dichloropropene	7.07	75	93694	27.261	ug/L	99
43) 4-Methyl-2-pentanone	7.27	43	64691	37.068	ug/L	98
44) Toluene	7.43	91	277836	28.627	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	81306	27.087	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	47641	25.902	ug/L	96
47) Tetrachloroethene	8.02	164	53701	28.693	ug/L	95
49) 2-Hexanone	8.19	43	50420	38.207	ug/L	96
50) Dibromochloromethane	8.29	129	57745	25.932	ug/L	97
51) 1,2-Dibromoethane	8.40	107	46036	24.225	ug/L	99
52) Chlorobenzene	8.92	112	180907	28.121	ug/L	98
53) Ethylbenzene	9.05	91	320216	28.832	ug/L	98
54) m,p-Xylene	9.18	106	121523	28.910	ug/L	99
55) o-xylene	9.59	106	118587	29.257	ug/L	96
56) Styrene	9.60	104	192912	28.929	ug/L	98
57) Isopropylbenzene	9.97	105	326342	29.190	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	58827	22.651	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	40612	21.692	ug/L	99
62) Bromoform	9.77	173	30476	23.670	ug/L	99
63) 1,3-Dichlorobenzene	11.23	146	138542	27.954	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	140265	27.696	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	126379	27.344	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	9068	19.588	ug/L	95
67) 1,3,5-Trichlorobenzene	12.69	180	100361	28.231	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	78699	27.651	ug/L	99
69) Naphthalene	13.55	128	135442	22.592	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	70373	26.876	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 28.298 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV009541.D

Acq: 08 Mar 2019 15:19

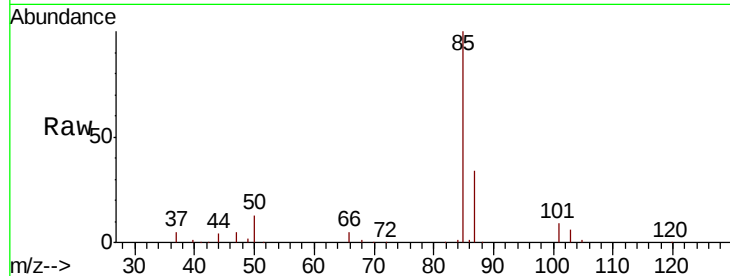
Instrument :
MSVOA_V
ClientSampleId :
BFB72

Tgt Ion: 85 Resp: 57088

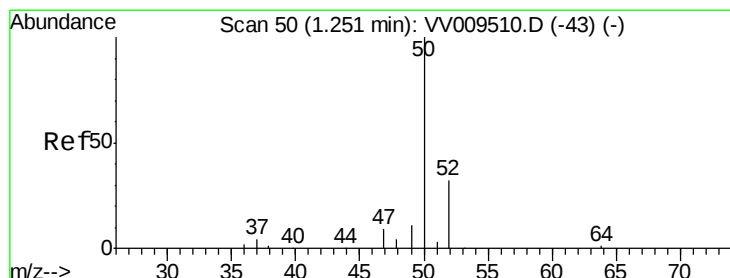
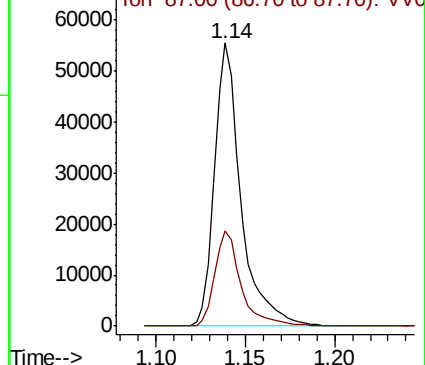
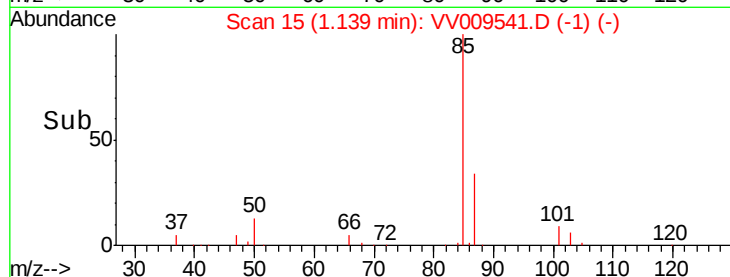
Ion Ratio Lower Upper

85 100

87 33.3 23.4 43.4



Abundance Ion 85.00 (84.70 to 85.70): VV009541.D (-1) (-)



#3

Chloromethane

Concen: 27.314 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV009541.D

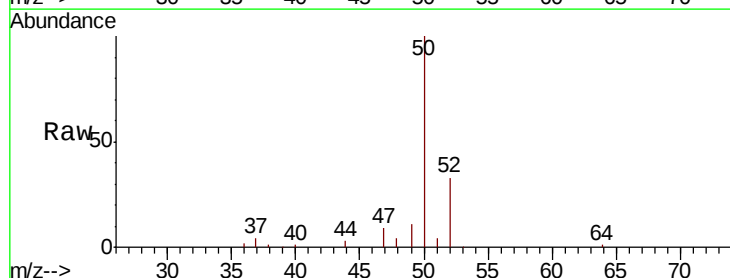
Acq: 08 Mar 2019 15:19

Tgt Ion: 50 Resp: 58726

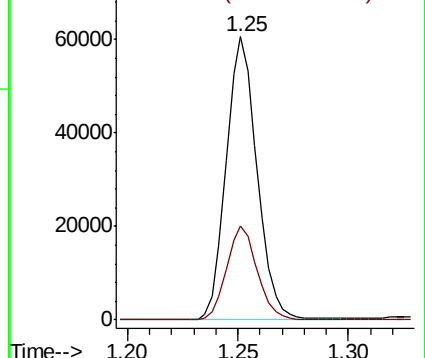
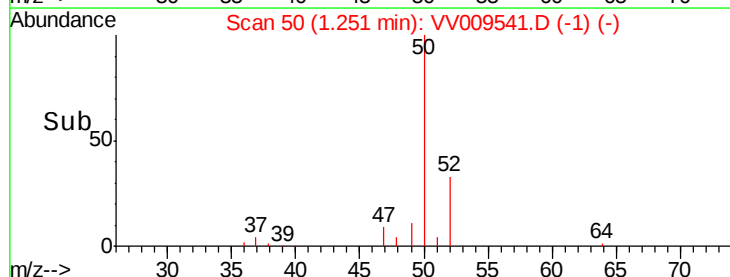
Ion Ratio Lower Upper

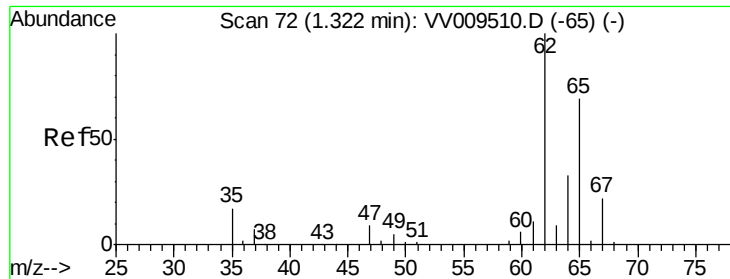
50 100

52 33.1 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VV009541.D (-1) (-)





#5

Vinyl chloride

Concen: 27.139 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV009541.D

Acq: 08 Mar 2019 15:19

Instrument :

MSVOA_V

ClientSampleId :

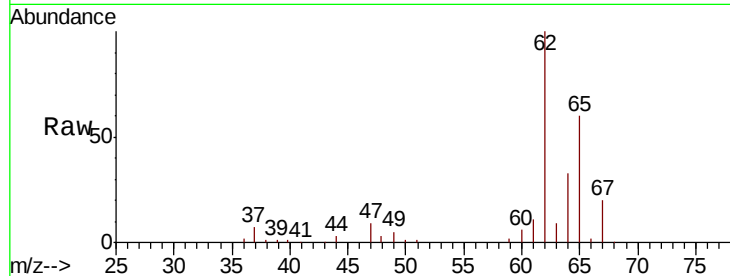
BFB72

Tgt Ion: 62 Resp: 64330

Ion Ratio Lower Upper

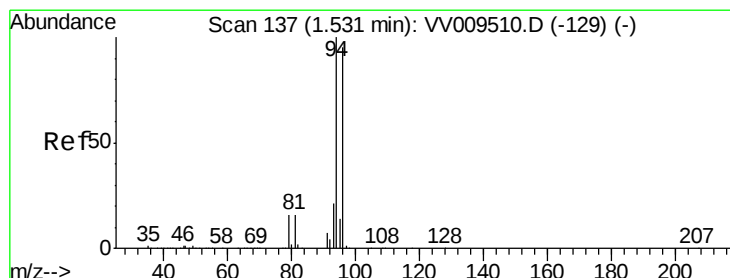
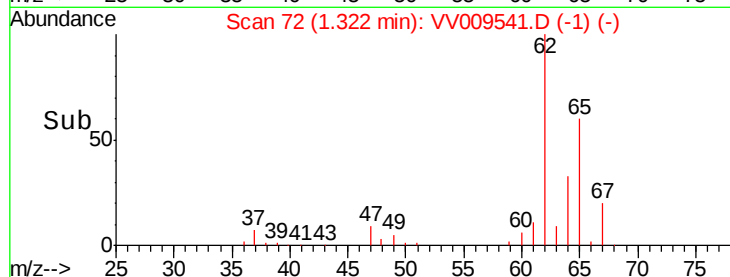
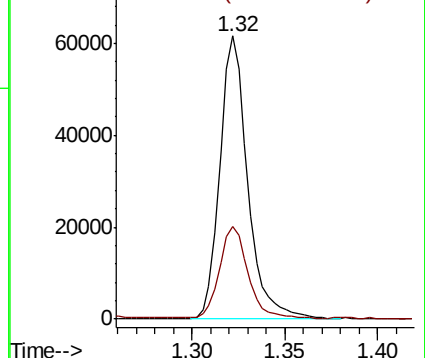
62 100

64 32.9 23.5 43.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 24.011 ug/L

RT: 1.53 min Scan# 136

Delta R.T. -0.00 min

Lab File: VV009541.D

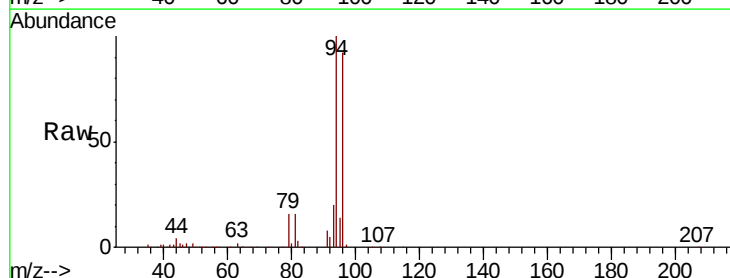
Acq: 08 Mar 2019 15:19

Tgt Ion: 94 Resp: 70852

Ion Ratio Lower Upper

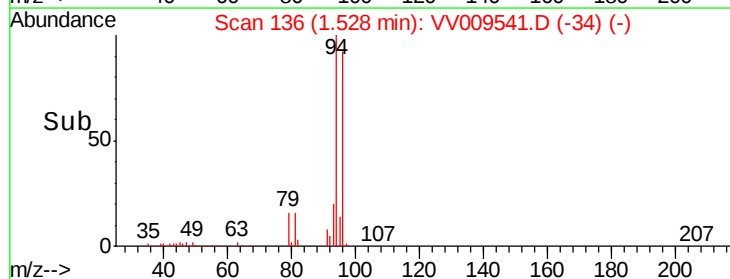
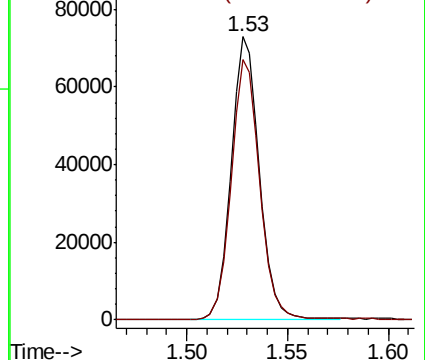
94 100

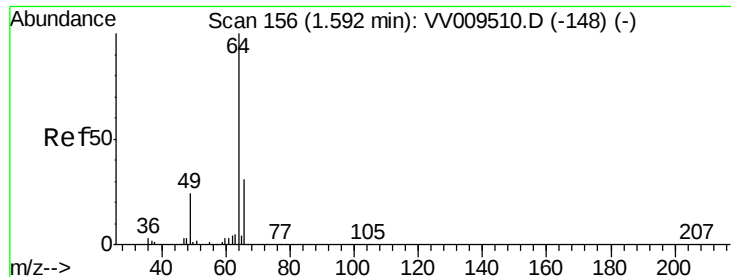
96 94.1 9.5 181.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 25.790 ug/L

RT: 1.59 min Scan# 154

Delta R.T. -0.01 min

Lab File: VV009541.D

Acq: 08 Mar 2019 15:19

Instrument :

MSVOA_V

ClientSampleId :

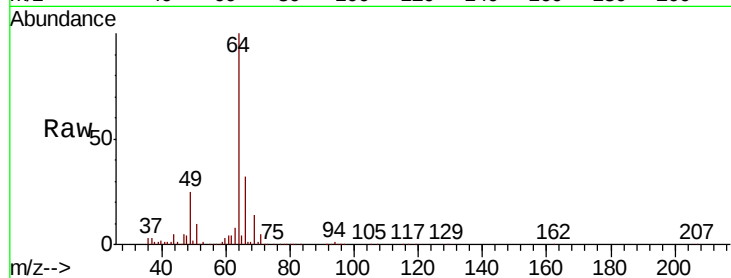
BFB72

Tgt Ion: 64 Resp: 67933

Ion Ratio Lower Upper

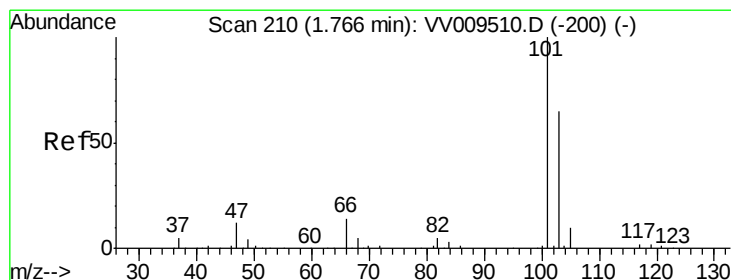
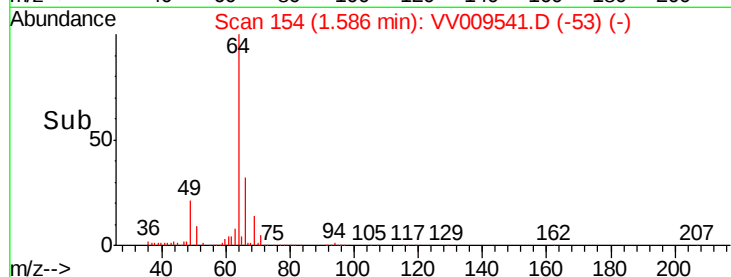
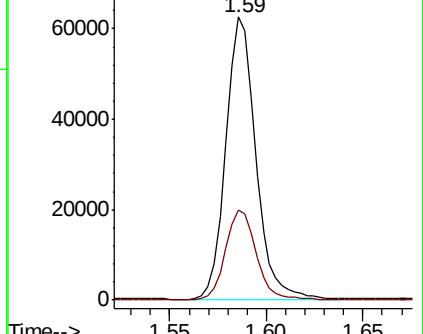
64 100

66 31.7 21.8 40.6



Abundance Ion 64.00 (63.70 to 64.70): VV009510.D (-148) (-)

Ion 66.00 (65.70 to 66.70): VV009510.D (-148) (-)



#9

Trichlorofluoromethane

Concen: 28.318 ug/L

RT: 1.76 min Scan# 208

Delta R.T. 0.00 min

Lab File: VV009541.D

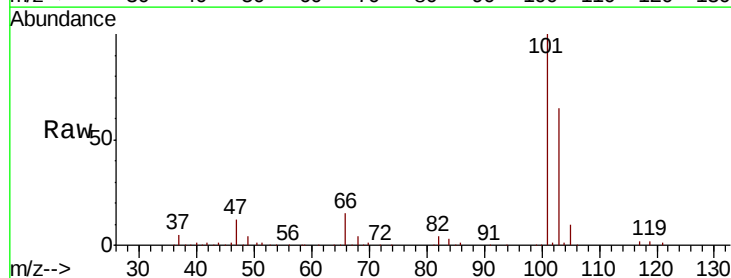
Acq: 08 Mar 2019 15:19

Tgt Ion: 101 Resp: 137692

Ion Ratio Lower Upper

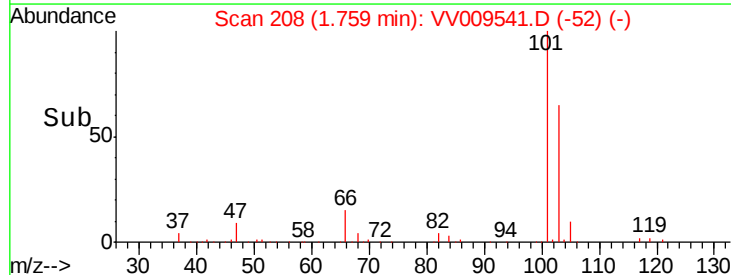
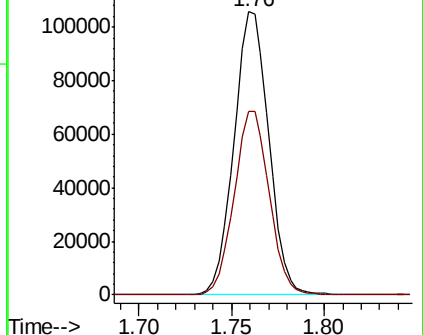
101 100

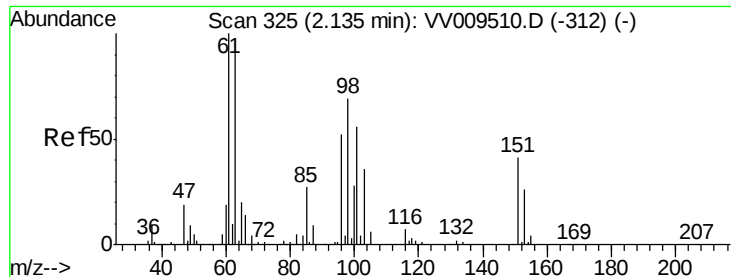
103 65.3 44.7 83.1



Abundance Ion 101.00 (100.70 to 101.70): VV009510.D (-200) (-)

Ion 103.00 (102.70 to 103.70): VV009510.D (-200) (-)





#11

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

Concen: 29.120 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV009541.D

Acq: 08 Mar 2019 15:19

Instrument :

MSVOA_V

ClientSampleId :

BFB72

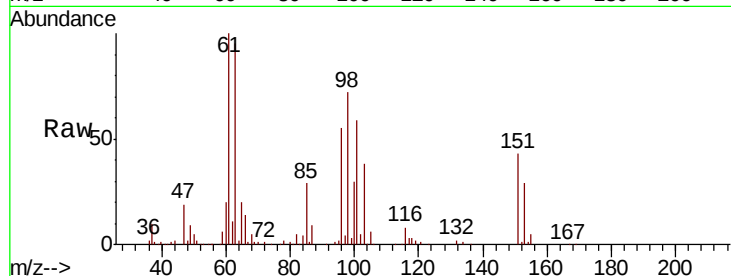
Tgt Ion: 101 Resp: 79284

Ion Ratio Lower Upper

101 100

85 48.7 40.1 60.1

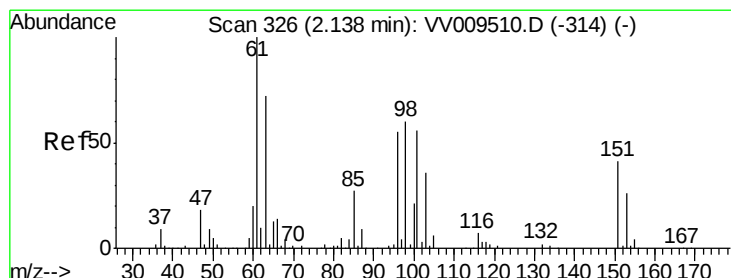
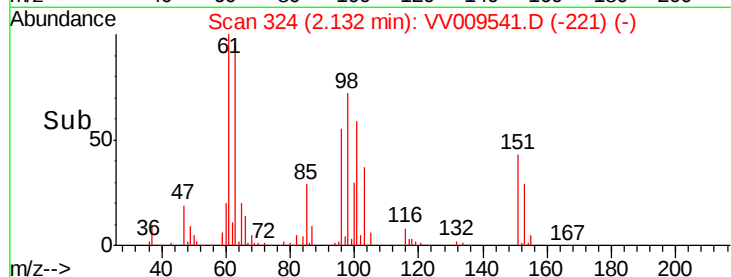
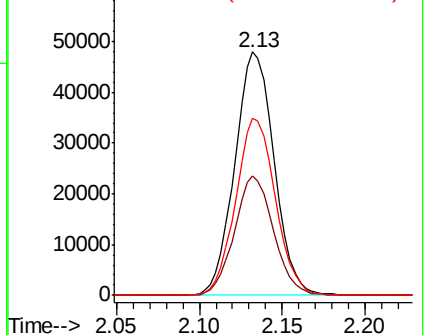
151 73.4 55.9 83.9



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: 28.953 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV009541.D

Acq: 08 Mar 2019 15:19

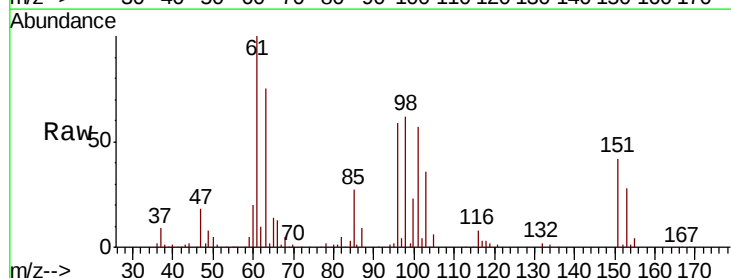
Tgt Ion: 96 Resp: 67445

Ion Ratio Lower Upper

96 100

61 170.0 136.9 254.3

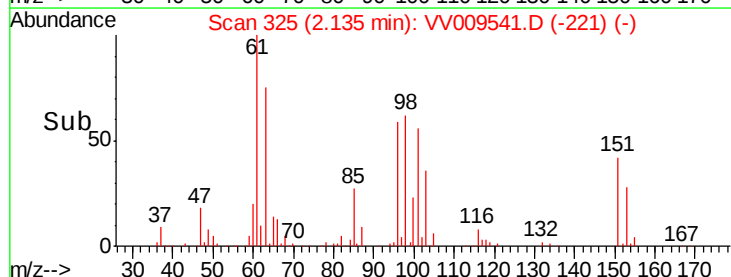
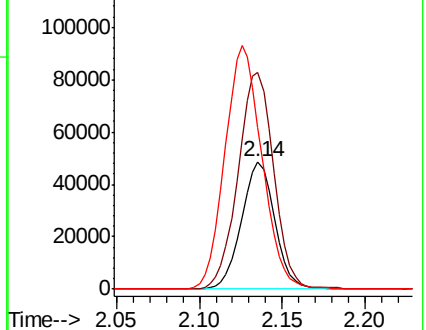
63 127.0 108.7 201.9

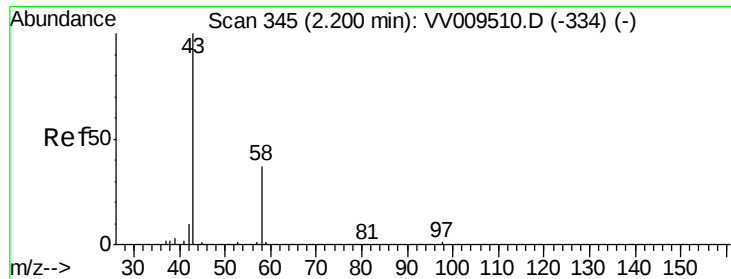


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 35.830 ug/L

RT: 2.20 min Scan# 345

Delta R.T. -0.00 min

Lab File: VV009541.D

Acq: 08 Mar 2019 15:19

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MSVOA_V

ClientSampleId :

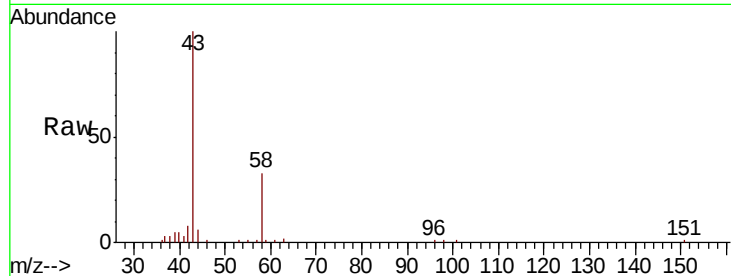
BFB72

Tgt Ion: 43 Resp: 26182

Ion Ratio Lower Upper

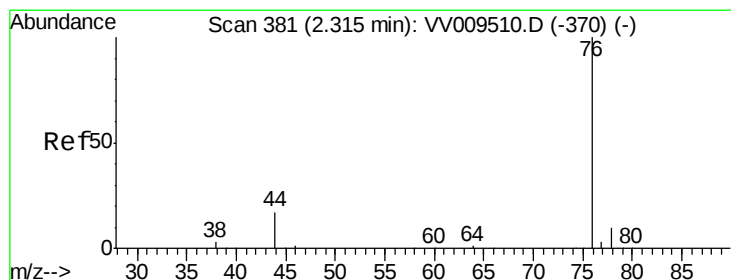
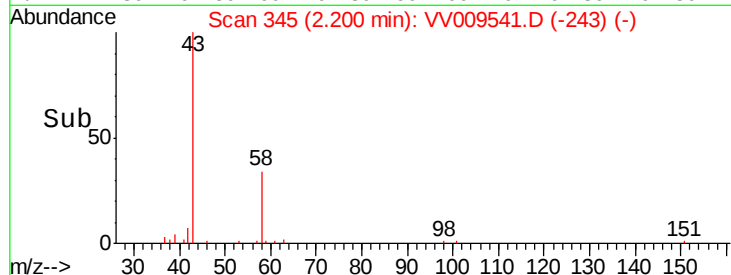
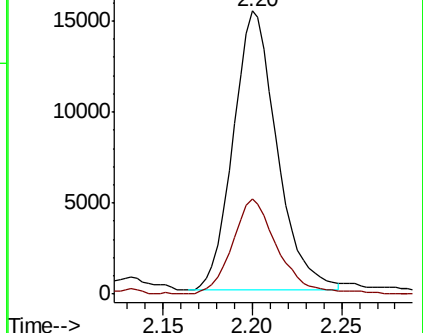
43 100

58 34.9 0.0 68.8



Abundance Ion 43.00 (42.70 to 43.70): VV009541.D (-243) (-)

Ion 58.00 (57.70 to 58.70): VV009541.D (-243) (-)



#14

Carbon disulfide

Concen: 28.288 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV009541.D

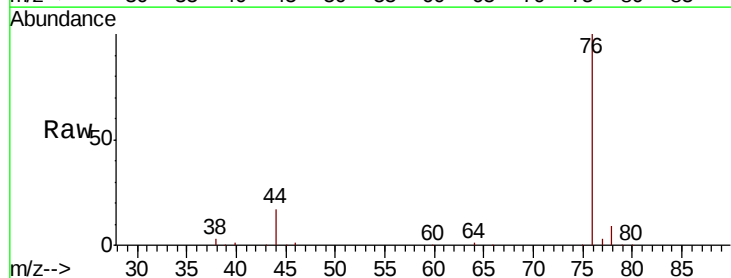
Acq: 08 Mar 2019 15:19

Tgt Ion: 76 Resp: 167023

Ion Ratio Lower Upper

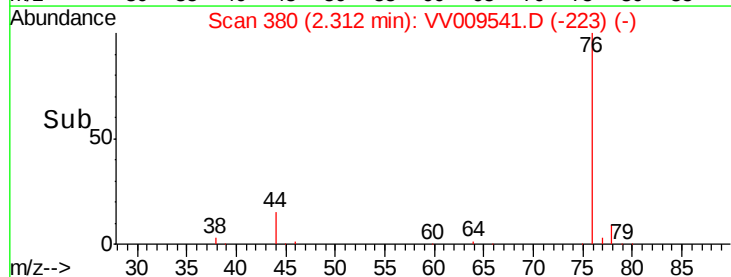
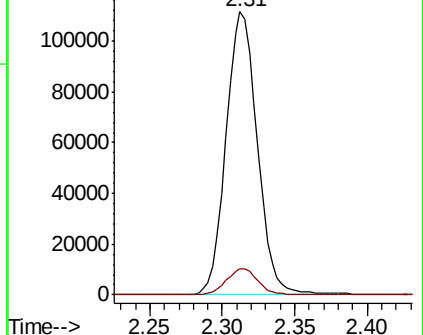
76 100

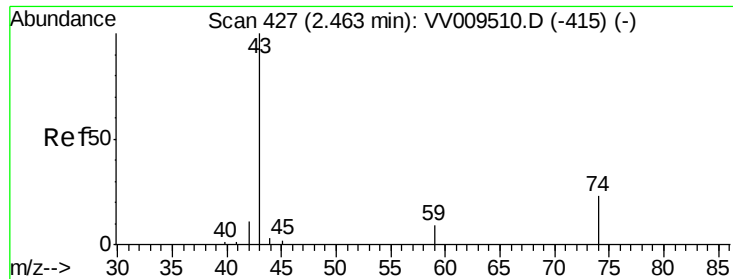
78 9.3 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VV009541.D (-223) (-)

Ion 78.00 (77.70 to 78.70): VV009541.D (-223) (-)

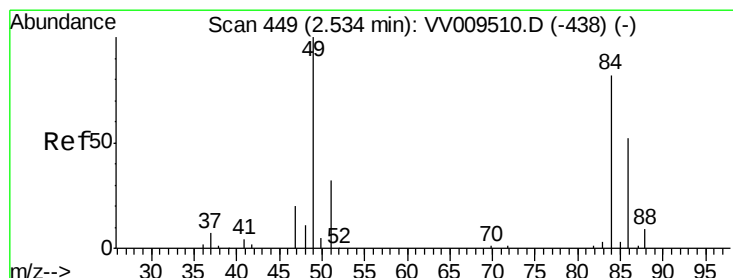
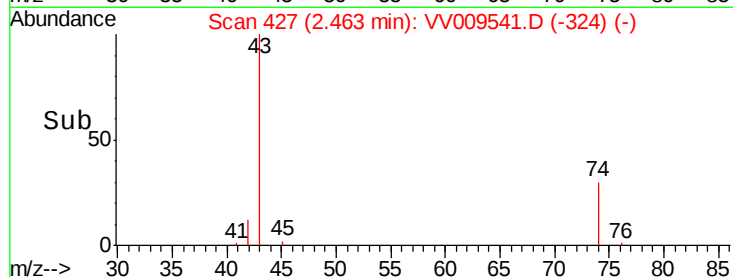
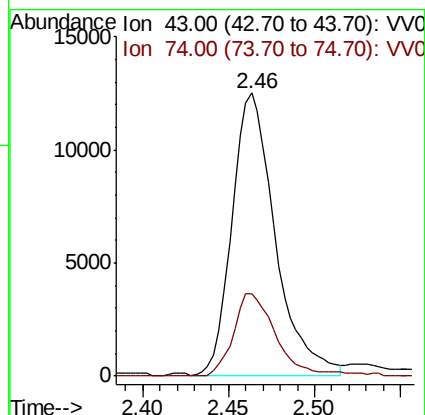
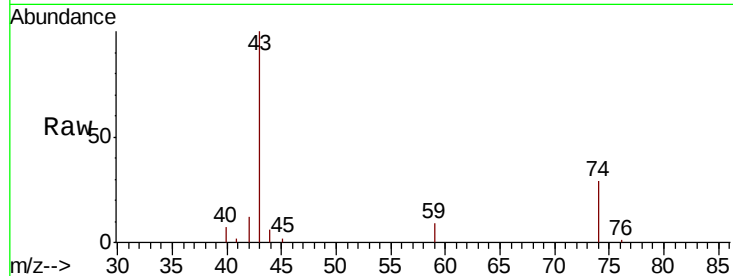




#15
Methyl Acetate
Concen: 18.635 ug/L
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VV009541.D
Acq: 08 Mar 2019 15:19

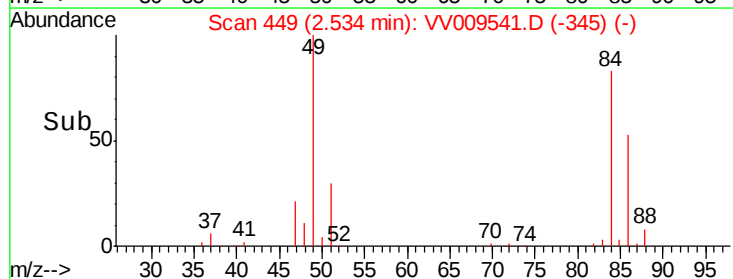
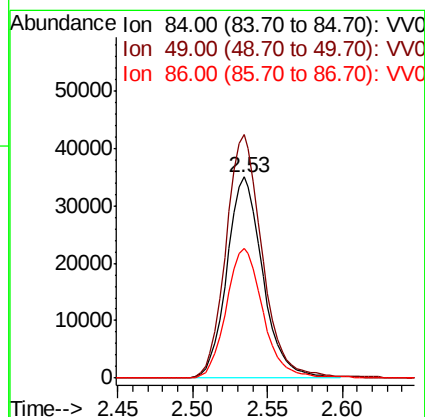
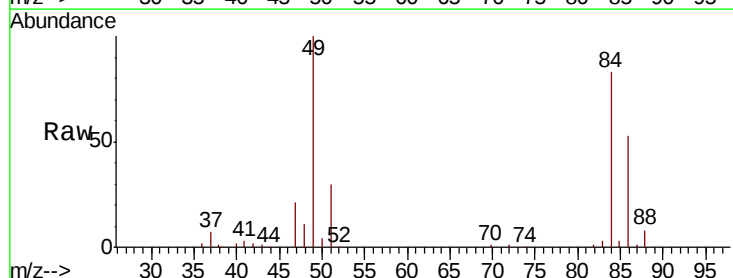
Instrument :
MSVOA_V
ClientSampleId :
BFB72

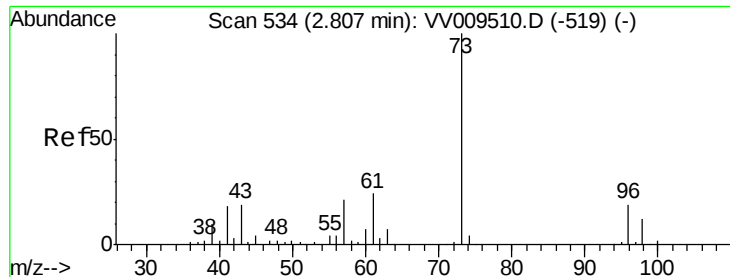
Tgt Ion: 43 Resp: 22052
Ion Ratio Lower Upper
43 100
74 27.7 21.8 32.8



#16
Methylene chloride
Concen: 25.552 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV009541.D
Acq: 08 Mar 2019 15:19

Tgt Ion: 84 Resp: 58756
Ion Ratio Lower Upper
84 100
49 121.2 84.6 157.0
86 64.6 46.1 85.7



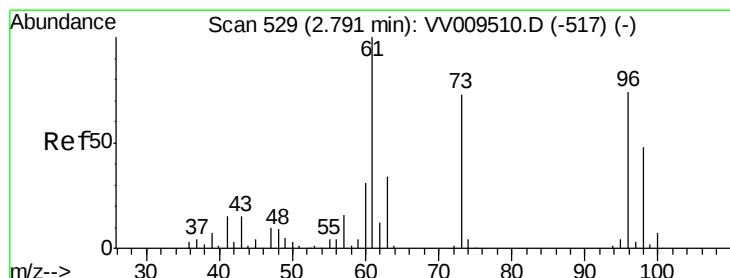
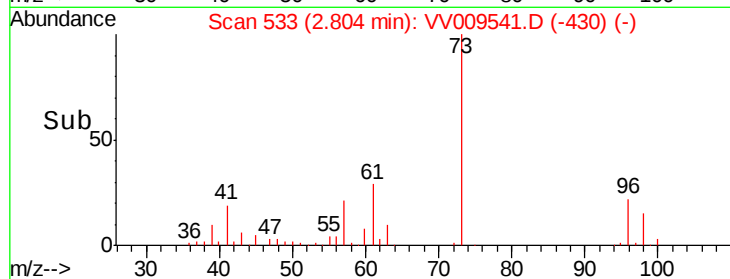
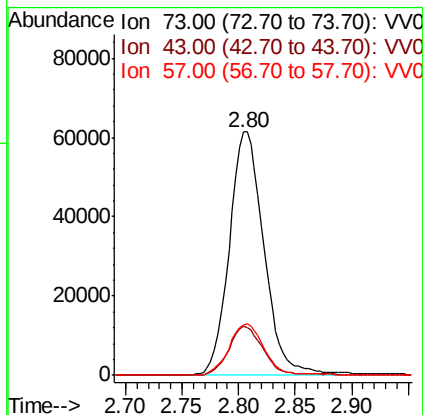
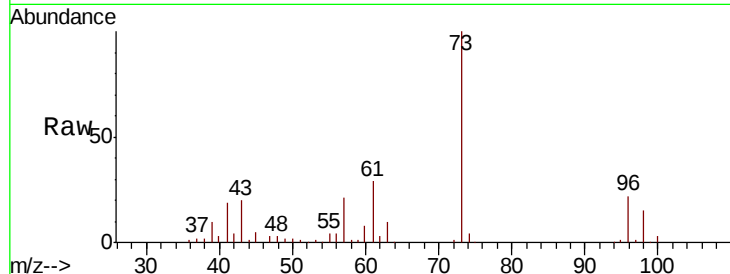


#17

Methyl tert-butyl Ether
 Concen: 25.144 ug/L
 RT: 2.80 min Scan# 533
 Delta R.T. 0.00 min
 Lab File: VV009541.D
 Acq: 08 Mar 2019 15:19

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB72

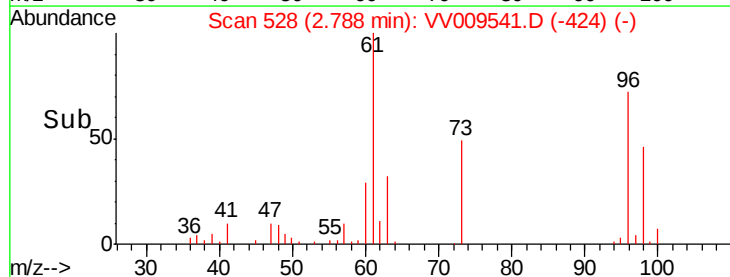
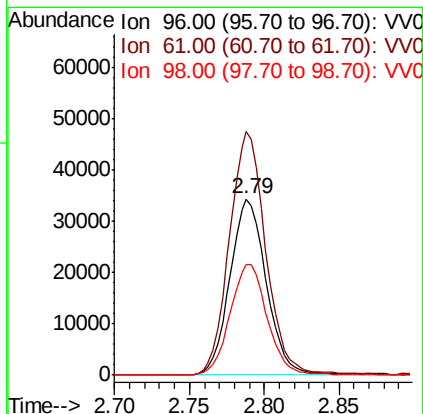
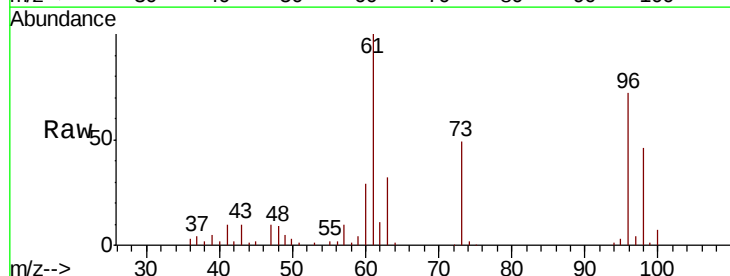
Tgt Ion:	73	Resp:	131163
Ion	Ratio	Lower	Upper
73	100		
43	19.6	15.0	22.4
57	21.4	17.0	25.4

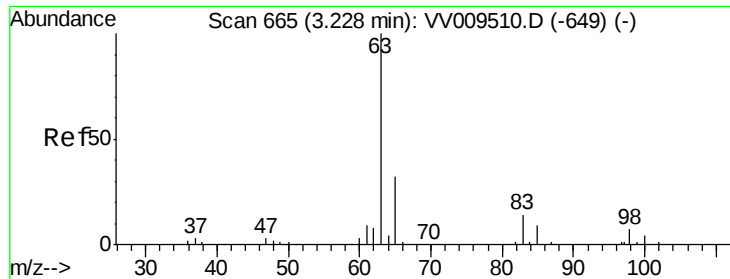


#18

trans-1,2-Dichloroethene
 Concen: 27.930 ug/L
 RT: 2.79 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VV009541.D
 Acq: 08 Mar 2019 15:19

Tgt Ion:	96	Resp:	58440
Ion	Ratio	Lower	Upper
96	100		
61	138.5	95.6	177.6
98	63.1	44.0	81.6

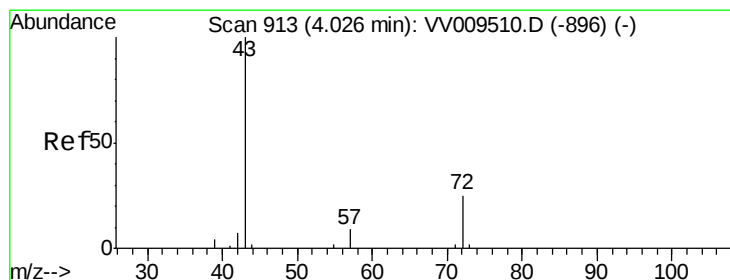
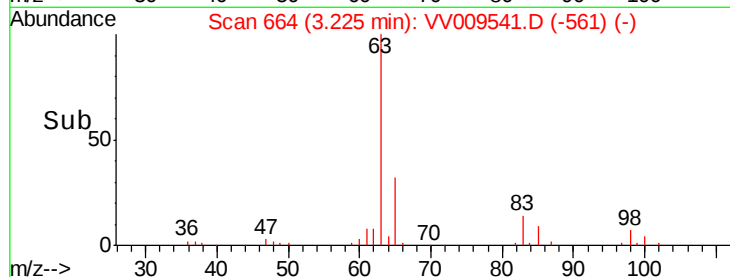
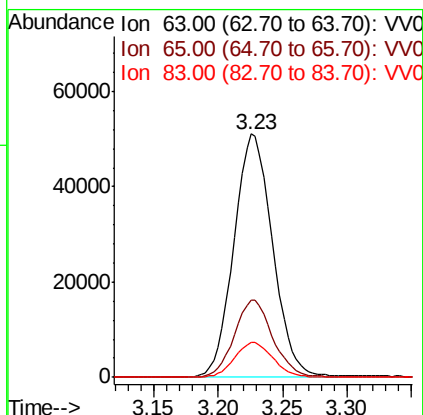
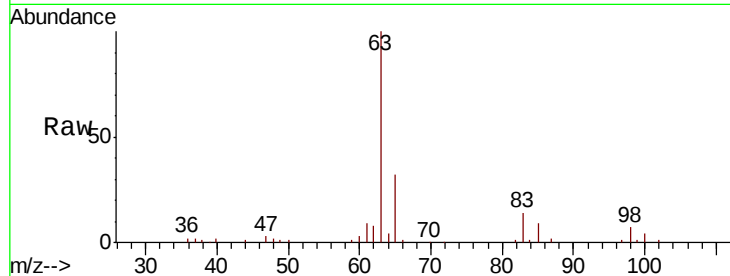




#19
 1,1-Dichloroethane
 Concen: 29.014 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. 0.00 min
 Lab File: VV009541.D
 Acq: 08 Mar 2019 15:19

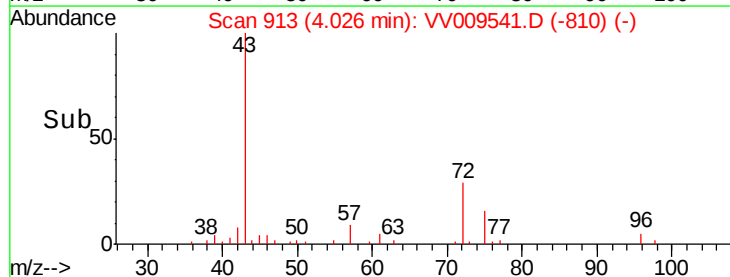
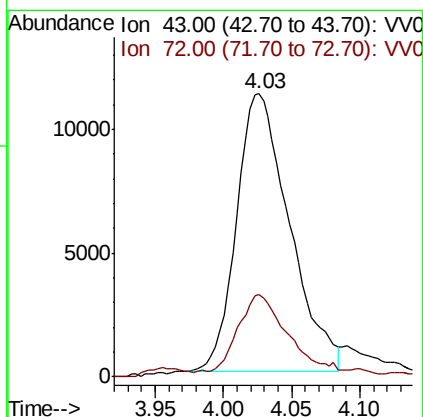
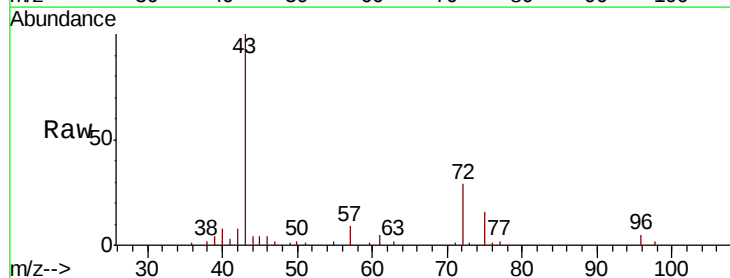
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB72

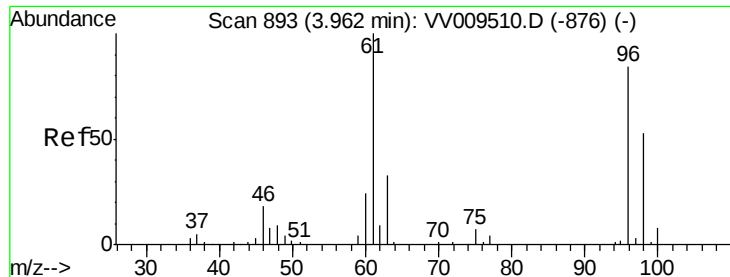
Tgt Ion: 63 Resp: 106971
 Ion Ratio Lower Upper
 63 100
 65 31.7 22.1 41.1
 83 14.3 10.2 19.0



#21
 2-Butanone
 Concen: 32.816 ug/L
 RT: 4.03 min Scan# 913
 Delta R.T. 0.00 min
 Lab File: VV009541.D
 Acq: 08 Mar 2019 15:19

Tgt Ion: 43 Resp: 30264
 Ion Ratio Lower Upper
 43 100
 72 28.4 13.7 41.0



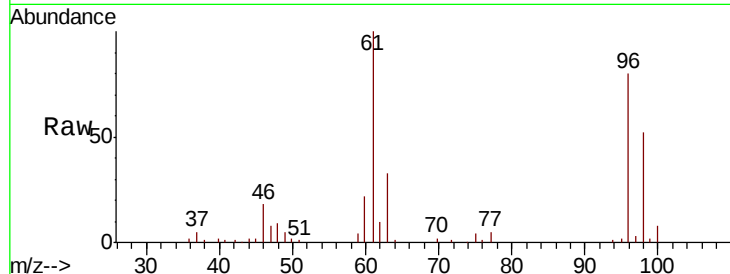


#22

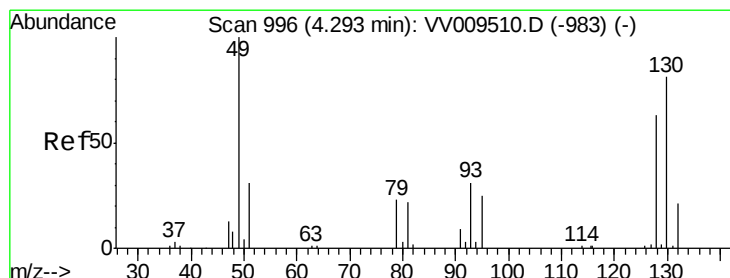
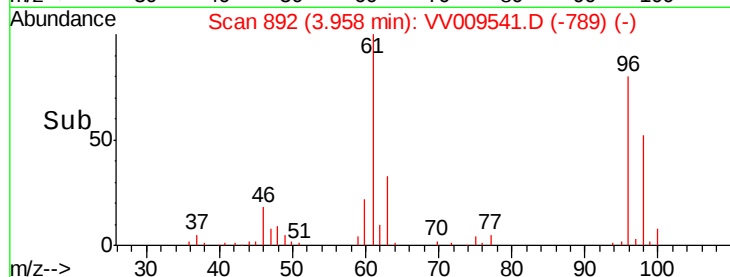
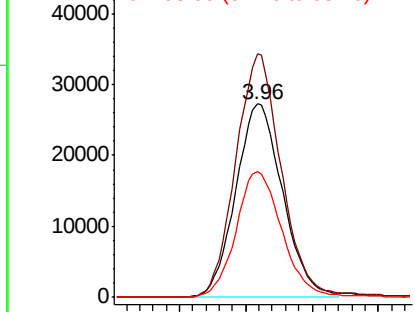
cis-1,2-Dichloroethene
 Concen: 28.411 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. 0.00 min
 Lab File: VV009541.D
 Acq: 08 Mar 2019 15:19

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB72

Tgt Ion: 96 Resp: 67112
 Ion Ratio Lower Upper
 96 100
 61 125.8 87.2 161.9
 98 64.8 44.6 82.8



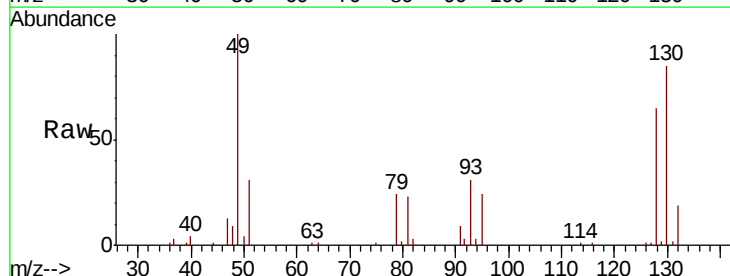
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0



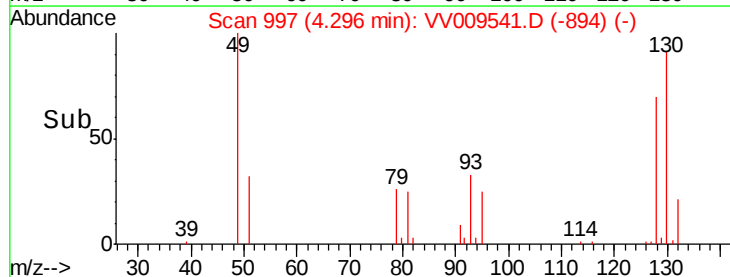
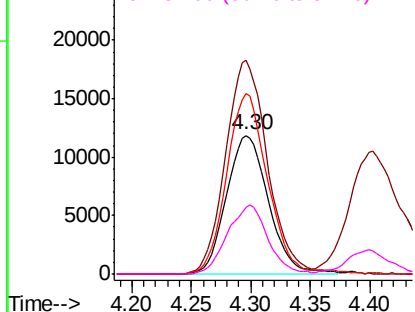
#23

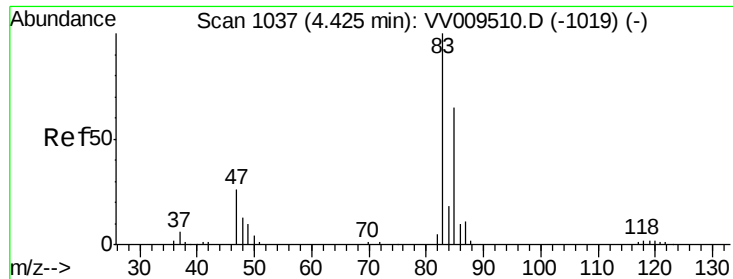
Bromochloromethane
 Concen: 26.560 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. 0.00 min
 Lab File: VV009541.D
 Acq: 08 Mar 2019 15:19

Tgt Ion: 128 Resp: 28929
 Ion Ratio Lower Upper
 128 100
 49 154.2 115.5 214.5
 130 130.6 92.6 172.0
 51 47.8 43.4 65.2



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

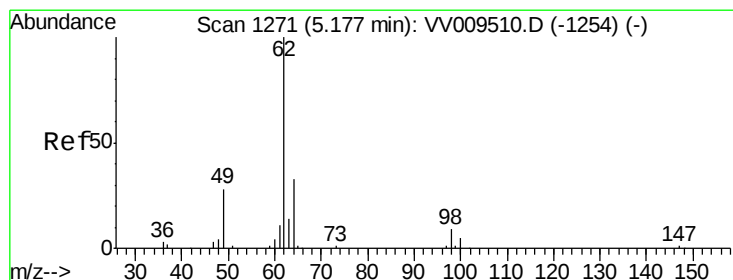
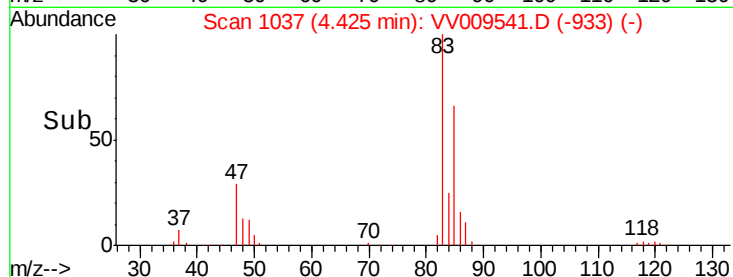
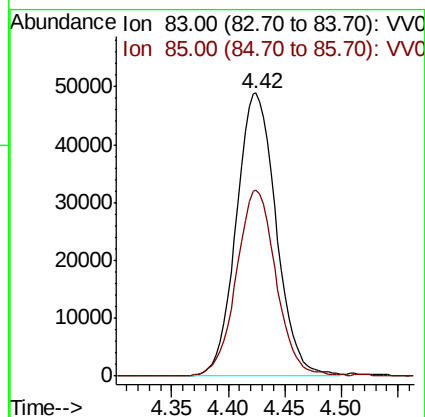
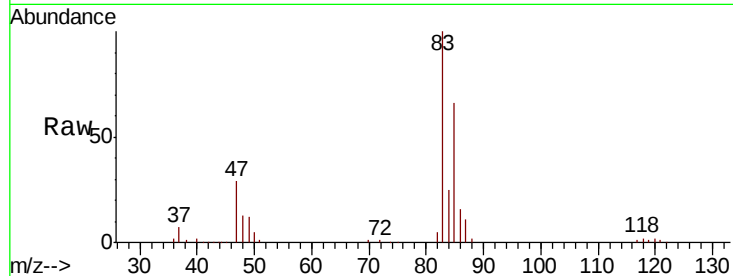




#25
Chloroform
Concen: 29.141 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV009541.D
Acq: 08 Mar 2019 15:19

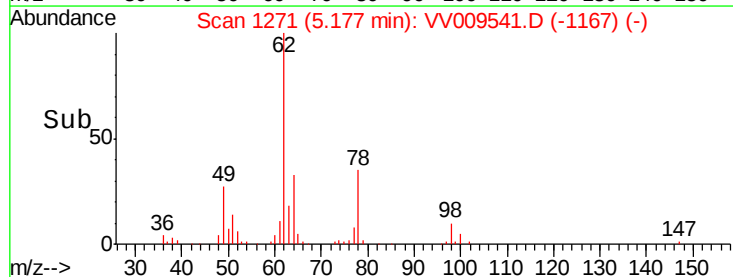
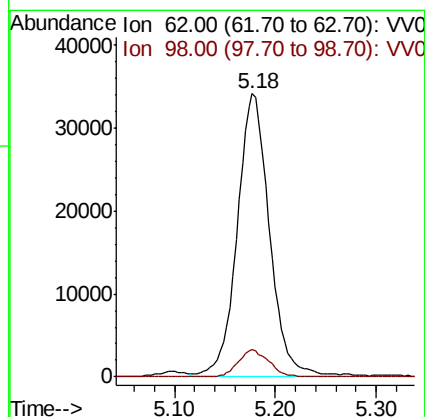
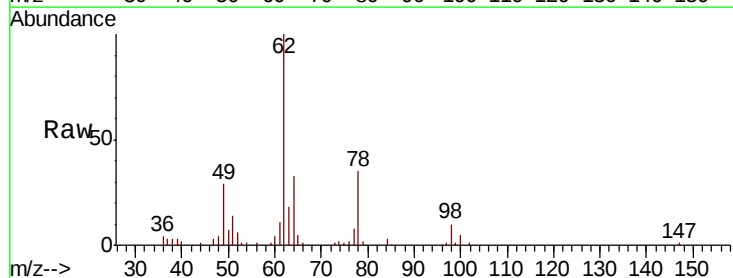
Instrument :
MSVOA_V
ClientSampled :
BFB72

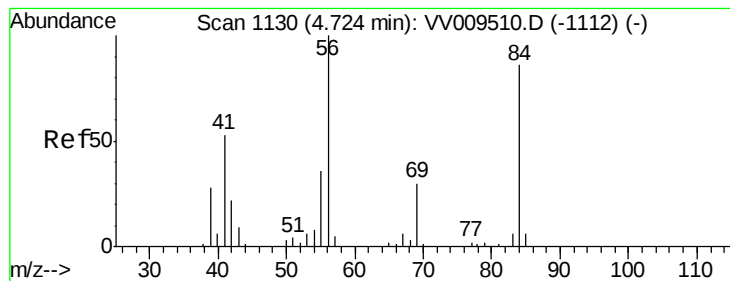
Tgt Ion: 83 Resp: 119900
Ion Ratio Lower Upper
83 100
85 65.3 45.4 84.2



#27
1,2-Dichloroethane
Concen: 26.601 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VV009541.D
Acq: 08 Mar 2019 15:19

Tgt Ion: 62 Resp: 76014
Ion Ratio Lower Upper
62 100
98 9.8 6.6 10.0





#30

Cyclohexane

Concen: 27.747 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VV009541.D

Acq: 08 Mar 2019 15:19

Instrument :

MSVOA_V

ClientSampleID :

BFB72

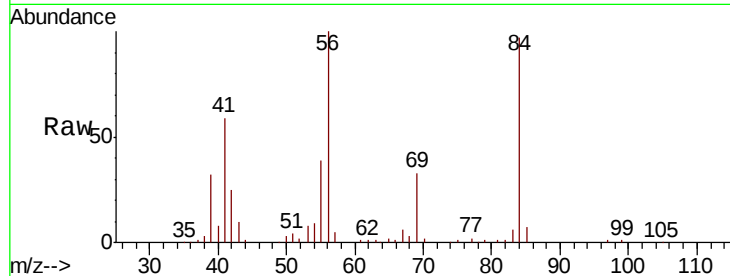
Tgt Ion: 56 Resp: 97852

Ion Ratio Lower Upper

56 100

69 32.7 24.9 37.3

84 95.2 71.9 107.9

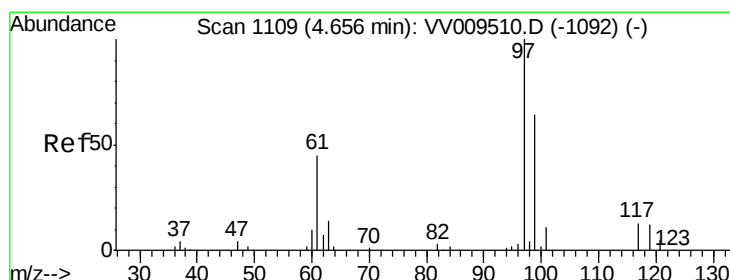
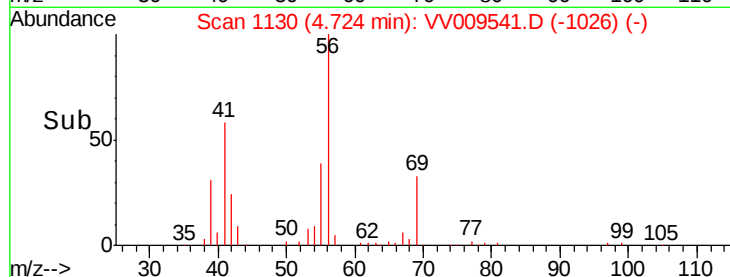
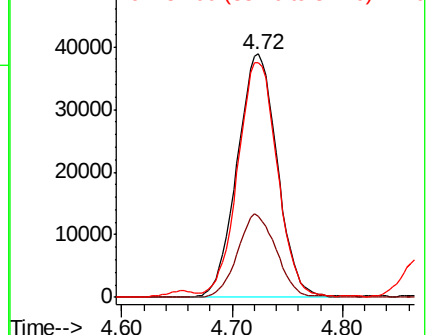


Abundance

Ion 56.00 (55.70 to 56.70): VV0

Ion 69.00 (68.70 to 69.70): VV0

Ion 84.00 (83.70 to 84.70): VV0



#31

1,1,1-Trichloroethane

Concen: 28.889 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VV009541.D

Acq: 08 Mar 2019 15:19

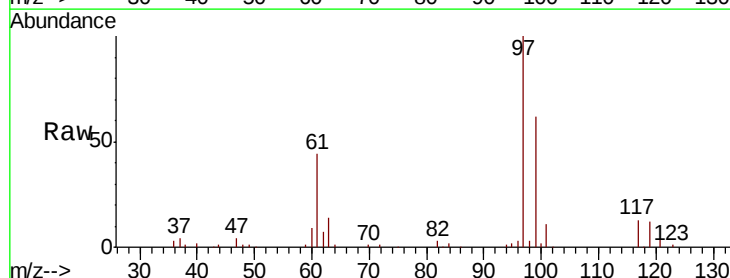
Tgt Ion: 97 Resp: 107314

Ion Ratio Lower Upper

97 100

99 63.8 51.0 76.4

61 44.3 36.1 54.1

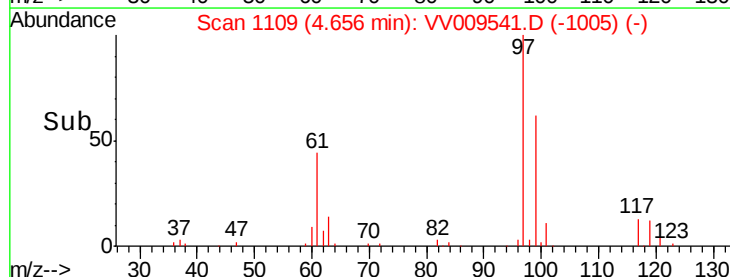
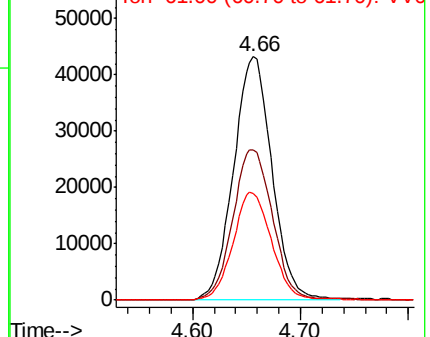


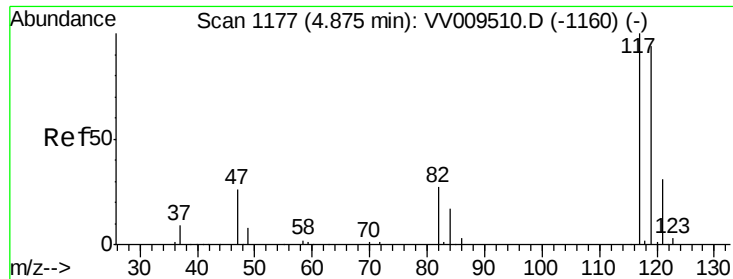
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 61.00 (60.70 to 61.70): VV0





#32

Carbon tetrachloride

Concen: 28.900 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV009541.D

Acq: 08 Mar 2019 15:19

Instrument :

MSVOA_V

ClientSampleId :

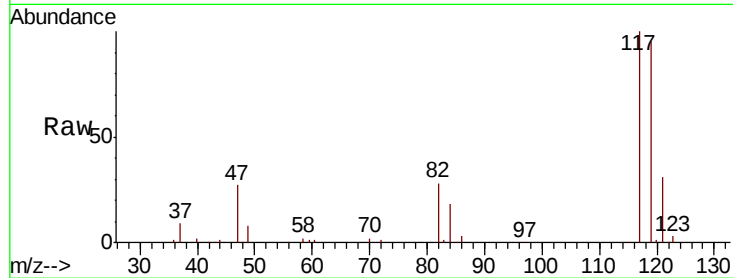
BFB72

Tgt Ion:117 Resp: 90761

Ion Ratio Lower Upper

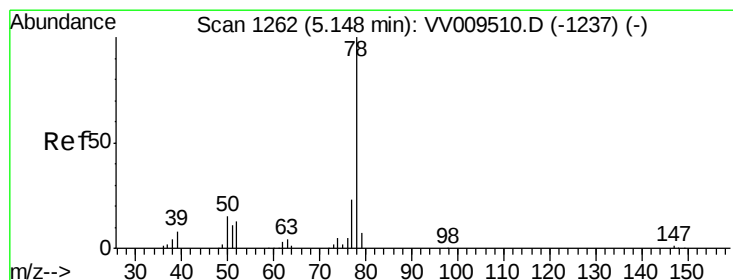
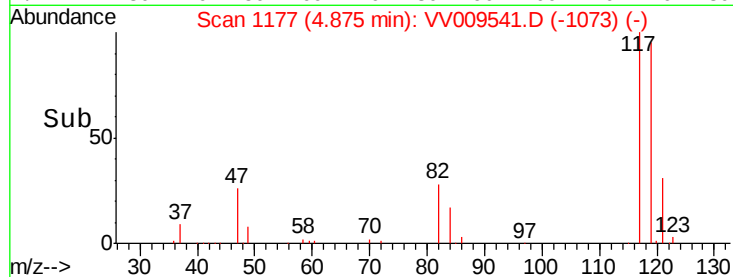
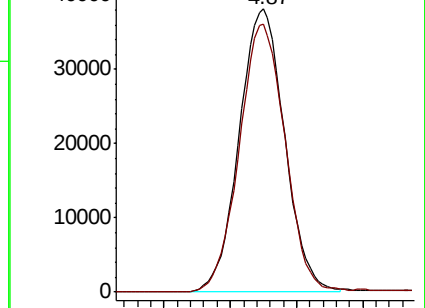
117 100

119 95.3 76.5 114.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 28.444 ug/L

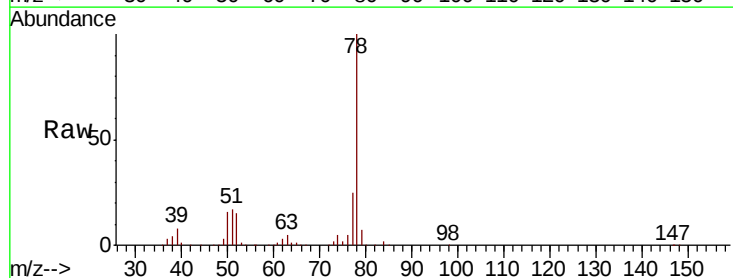
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

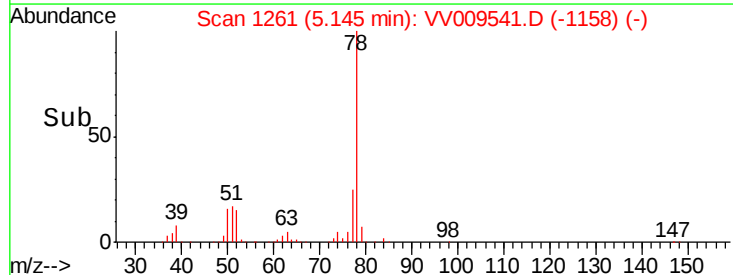
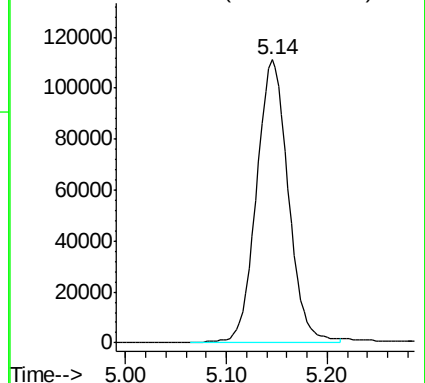
Lab File: VV009541.D

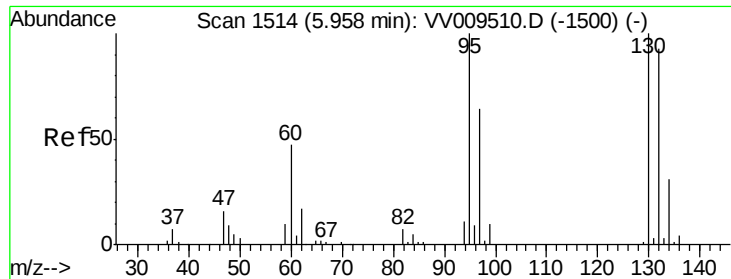
Acq: 08 Mar 2019 15:19

Tgt Ion: 78 Resp: 244222



Abundance Ion 78.00 (77.70 to 78.70): VV0

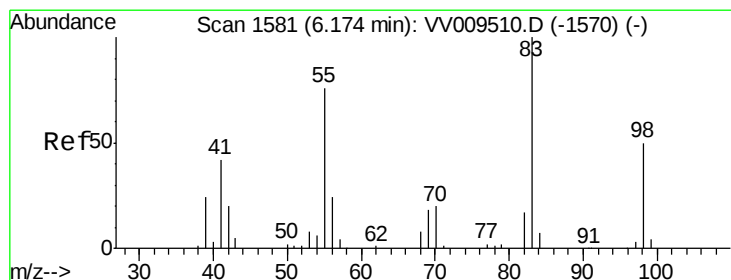
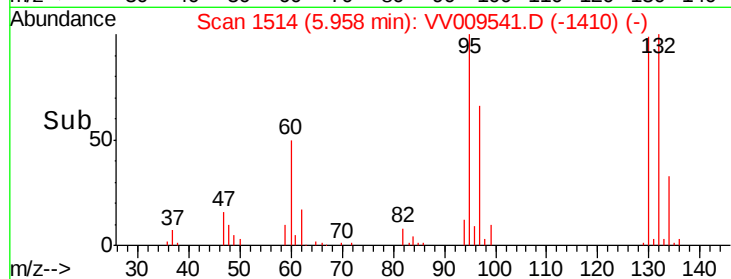
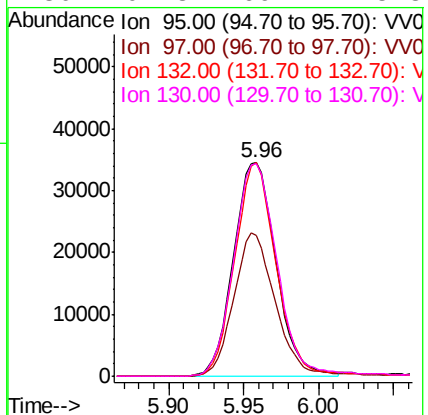
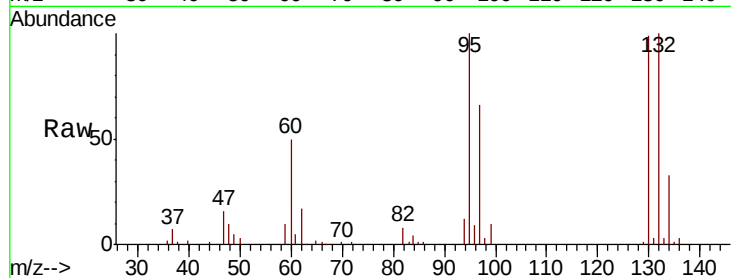




#35
 Trichloroethene
 Concen: 27.736 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV009541.D
 Acq: 08 Mar 2019 15:19

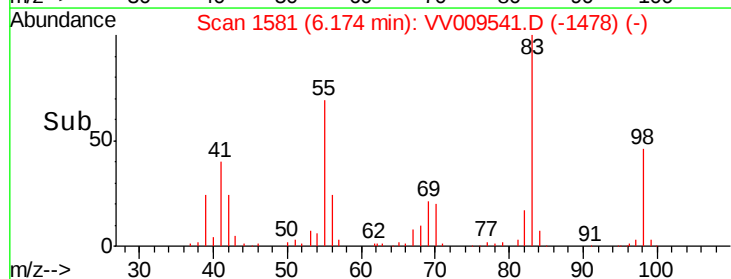
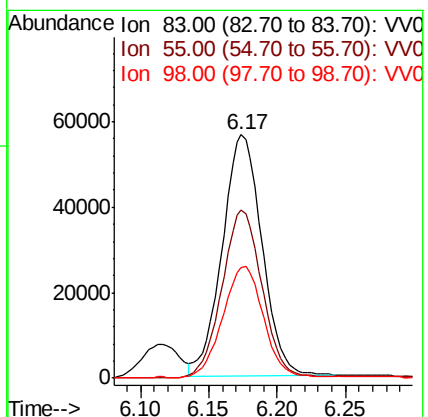
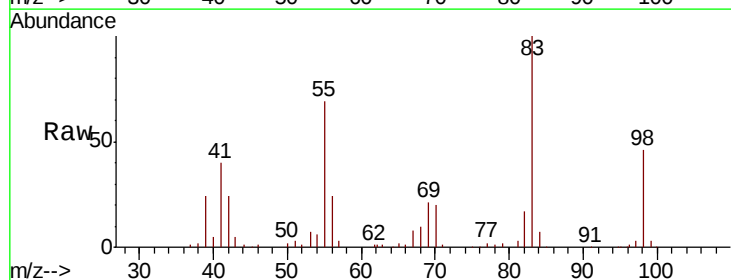
Instrument :
 MSVOA_V
 ClientSampled :
 BFB72

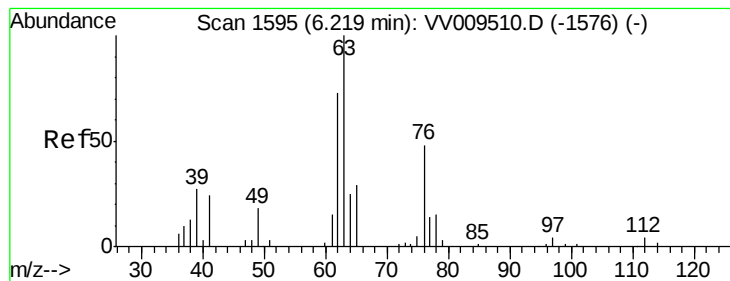
Tgt Ion:	95	Resp:	68439
Ion	Ratio	Lower	Upper
95	100		
97	65.6	44.3	82.3
132	96.9	64.4	119.6
130	101.3	69.4	128.8



#36
 Methylcyclohexane
 Concen: 28.504 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: VV009541.D
 Acq: 08 Mar 2019 15:19

Tgt Ion:	83	Resp:	114577
Ion	Ratio	Lower	Upper
83	100		
55	70.1	58.8	88.2
98	47.3	37.7	56.5





#40

1,2-Dichloropropane

Concen: 27.265 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VV009541.D

Acq: 08 Mar 2019 15:19

Instrument :

MSVOA_V

ClientSampleId :

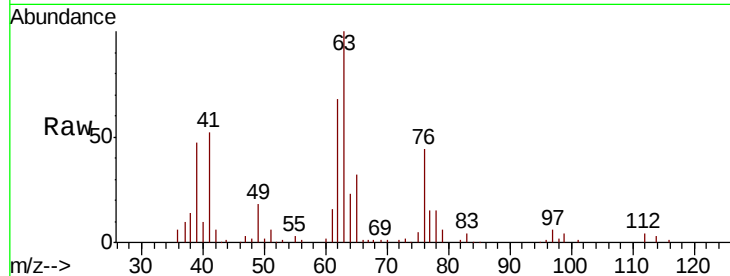
BFB72

Tgt Ion: 63 Resp: 60361

Ion Ratio Lower Upper

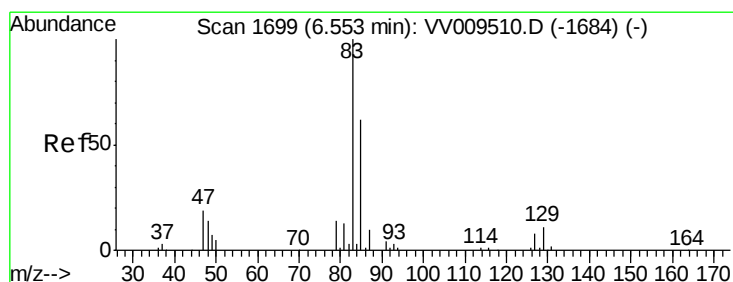
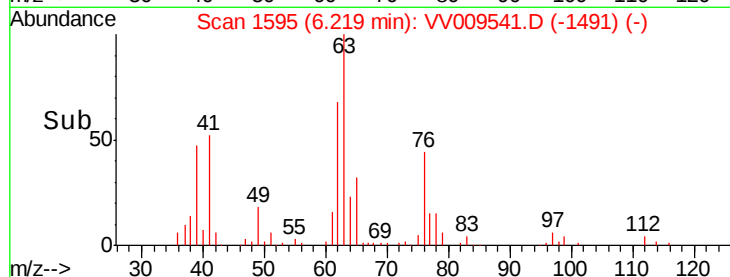
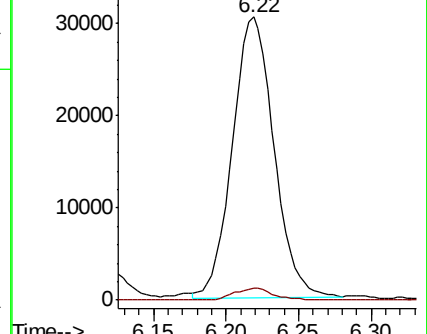
63 100

112 4.0 3.0 4.4



Abundance Ion 63.00 (62.70 to 63.70): VV009541.D (-1576) (-)

Ion 112.00 (111.70 to 112.70): VV009541.D (-1576) (-)



#41

Bromodichloromethane

Concen: 28.367 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VV009541.D

Acq: 08 Mar 2019 15:19

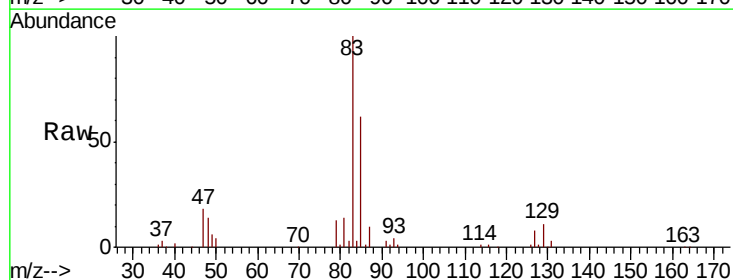
Tgt Ion: 83 Resp: 84767

Ion Ratio Lower Upper

83 100

85 62.2 46.5 86.3

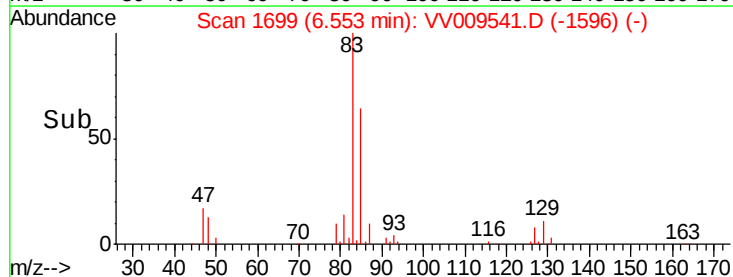
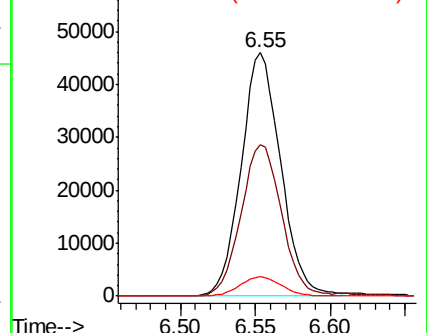
127 8.0 7.2 10.8

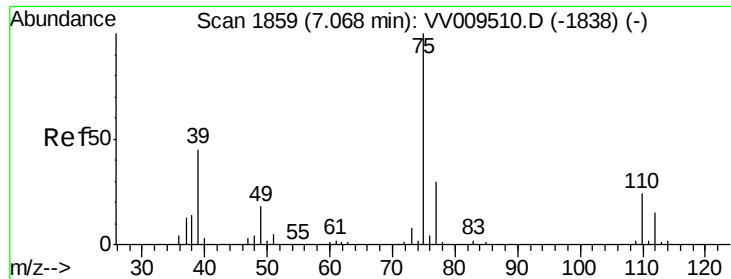


Abundance Ion 83.00 (82.70 to 83.70): VV009541.D (-1684) (-)

Ion 85.00 (84.70 to 85.70): VV009541.D (-1684) (-)

Ion 127.00 (126.70 to 127.70): VV009541.D (-1684) (-)



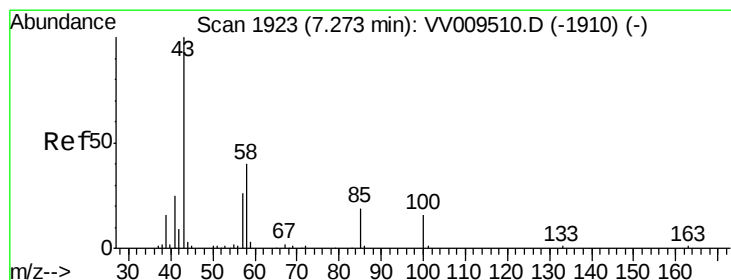
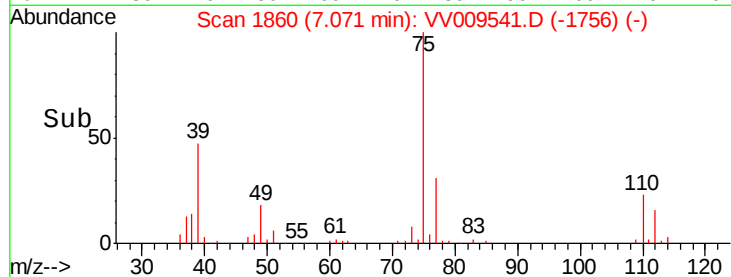
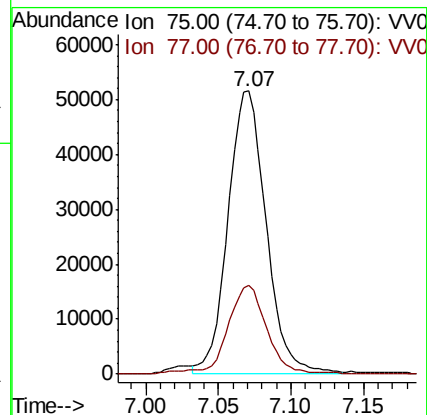
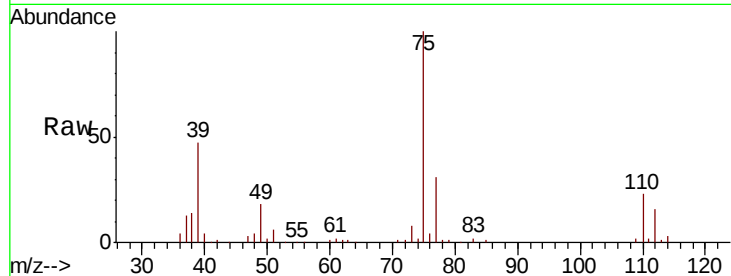


#42

cis-1,3-Dichloropropene
 Concen: 27.261 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV009541.D
 Acq: 08 Mar 2019 15:19

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB72

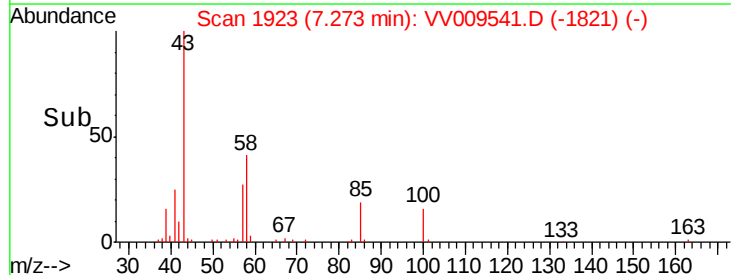
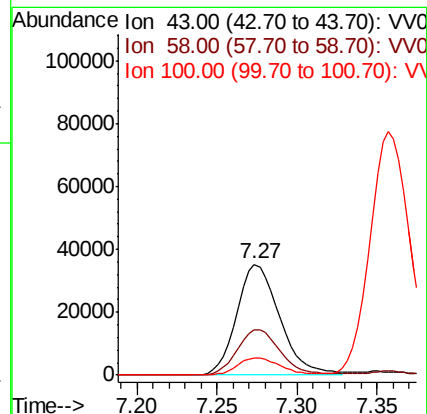
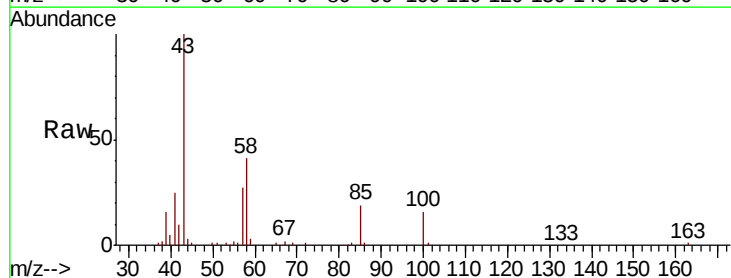
Tgt Ion: 75 Resp: 93694
 Ion Ratio Lower Upper
 75 100
 77 31.4 21.4 39.8

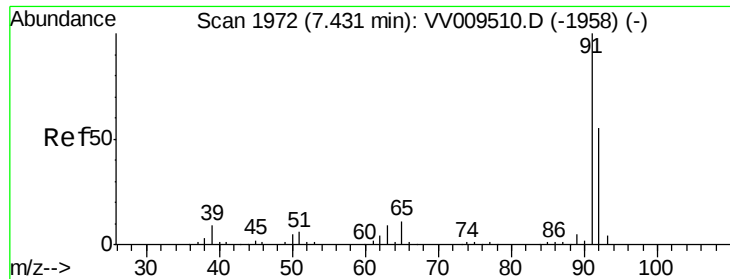


#43

4-Methyl-2-pentanone
 Concen: 37.068 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VV009541.D
 Acq: 08 Mar 2019 15:19

Tgt Ion: 43 Resp: 64691
 Ion Ratio Lower Upper
 43 100
 58 41.5 31.9 47.9
 100 15.5 12.8 19.2





#44

Toluene

Concen: 28.627 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV009541.D

Acq: 08 Mar 2019 15:19

Instrument :

MSVOA_V

ClientSampleId :

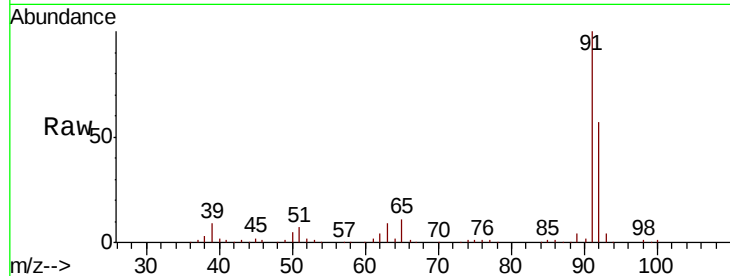
BFB72

Tgt Ion: 91 Resp: 277836

Ion Ratio Lower Upper

91 100

92 56.9 39.6 73.6



Abundance Ion 91.00 (90.70 to 91.70): VV009541.D (-1958) (-)

Ion 92.00 (91.70 to 92.70): VV009541.D (-1958) (-)

7.43

150000

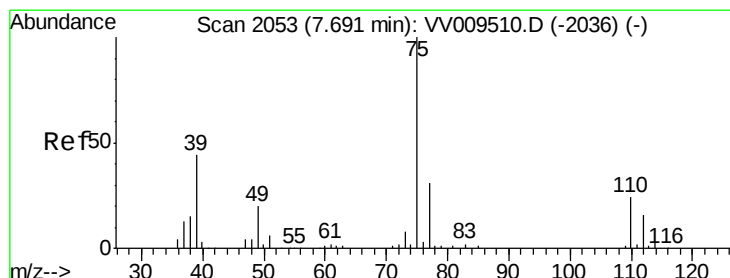
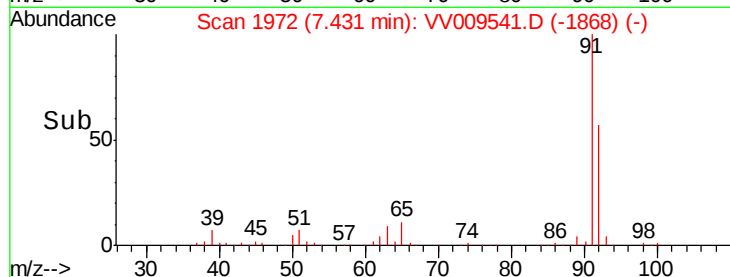
100000

50000

0

Time-->

7.35 7.40 7.45 7.50



#45

trans-1,3-Dichloropropene

Concen: 27.087 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV009541.D

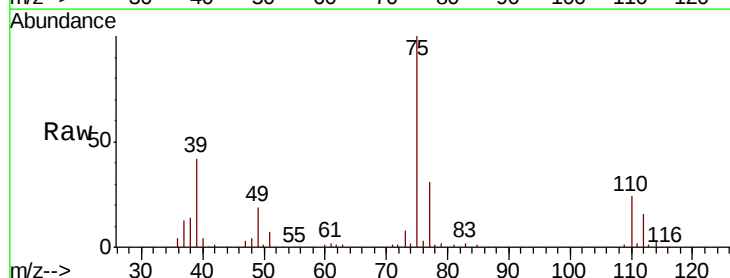
Acq: 08 Mar 2019 15:19

Tgt Ion: 75 Resp: 81306

Ion Ratio Lower Upper

75 100

77 31.5 22.5 41.7



Abundance Ion 75.00 (74.70 to 75.70): VV009541.D (-2036) (-)

Ion 77.00 (76.70 to 77.70): VV009541.D (-2036) (-)

7.69

50000

40000

30000

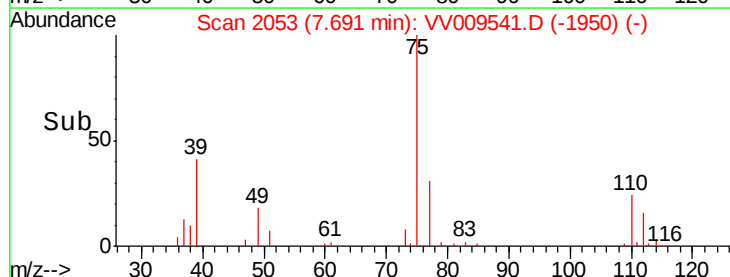
20000

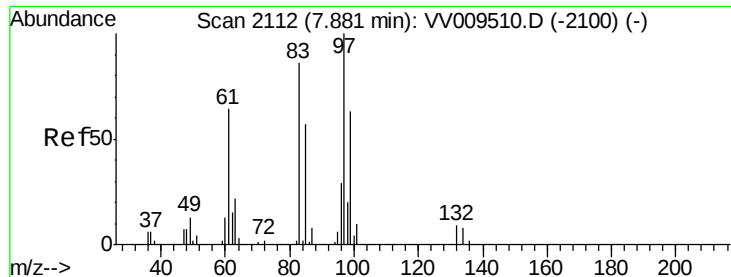
10000

0

Time-->

7.60 7.65 7.70 7.75

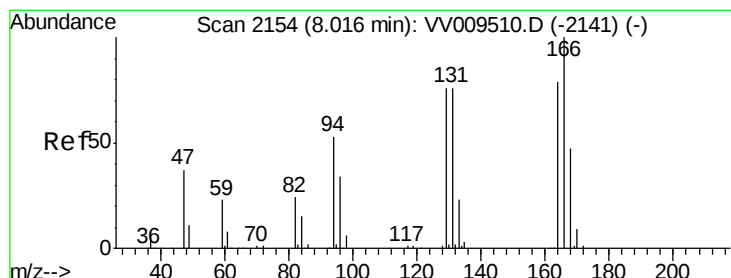
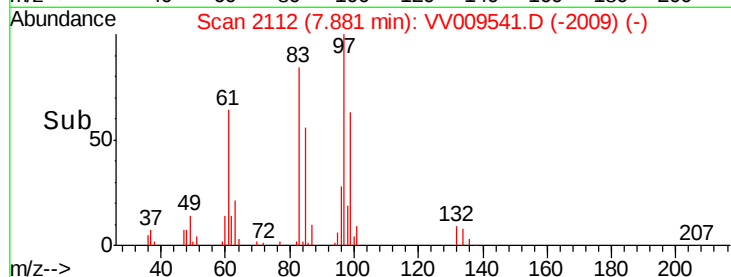
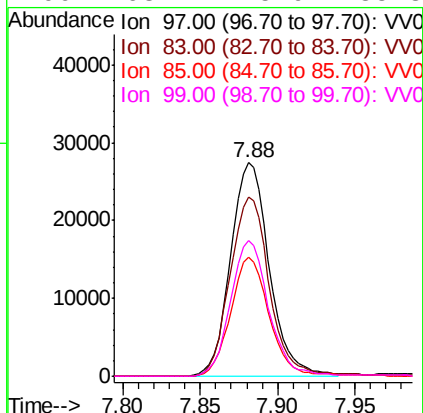
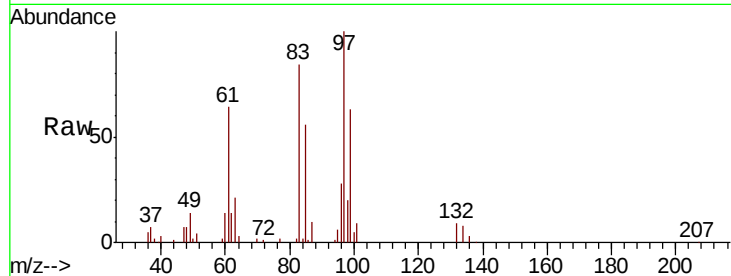




#46
 1,1,2-Trichloroethane
 Concen: 25.902 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV009541.D
 Acq: 08 Mar 2019 15:19

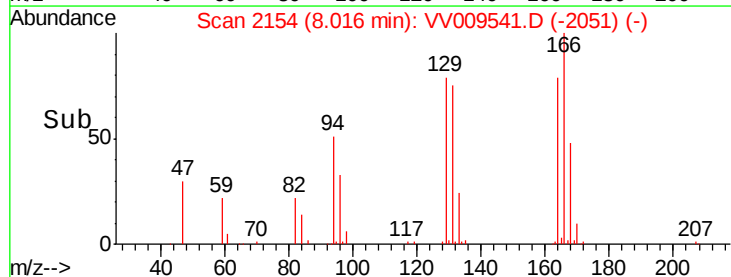
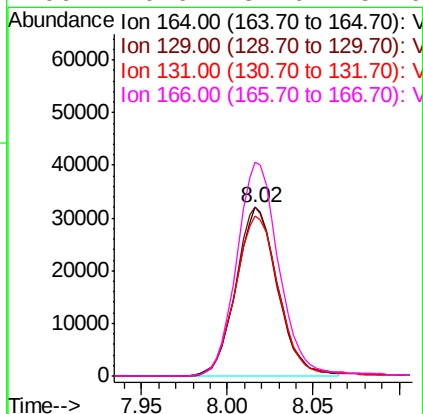
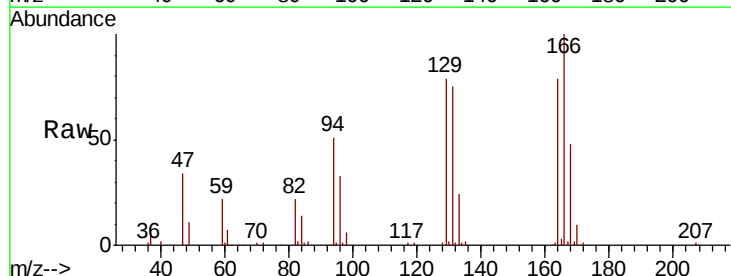
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB72

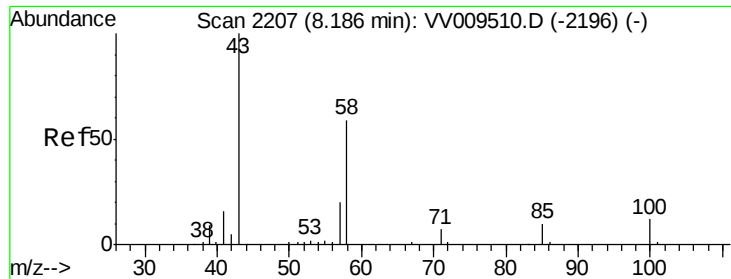
Tgt Ion:	97	Resp:	47641
Ion	Ratio	Lower	Upper
97	100		
83	84.0	63.8	118.6
85	55.7	39.5	73.4
99	63.4	45.9	85.3



#47
 Tetrachloroethene
 Concen: 28.693 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV009541.D
 Acq: 08 Mar 2019 15:19

Tgt Ion:	164	Resp:	53701
Ion	Ratio	Lower	Upper
164	100		
129	100.5	67.7	125.7
131	94.6	67.5	125.3
166	126.6	81.6	151.6

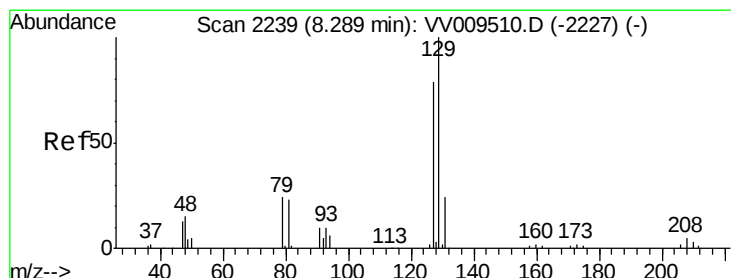
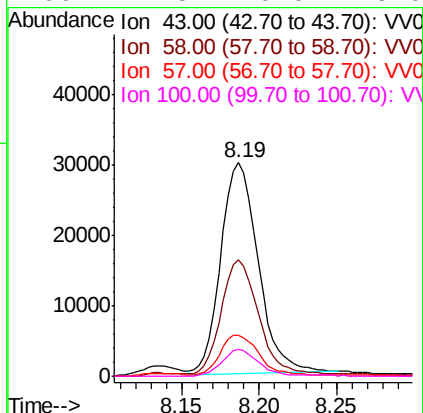
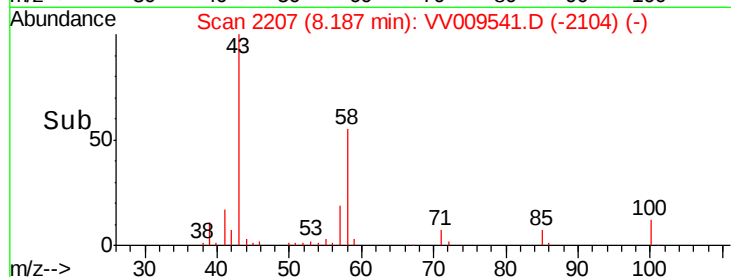
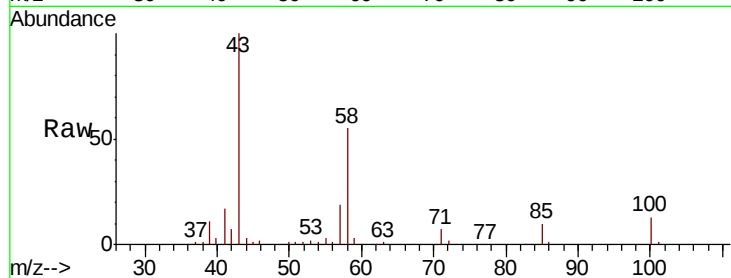




#49
2-Hexanone
Concen: 38.207 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV009541.D
Acq: 08 Mar 2019 15:19

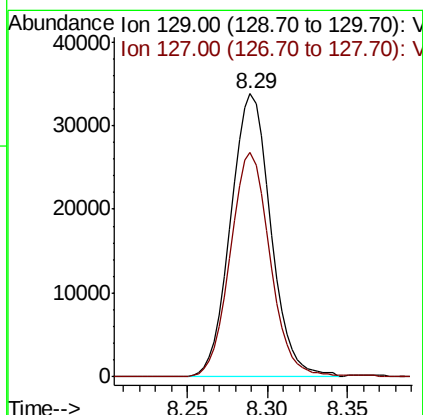
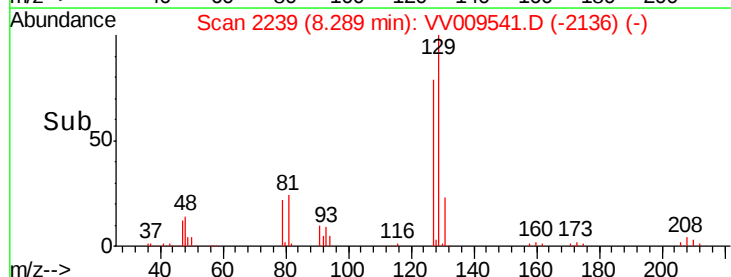
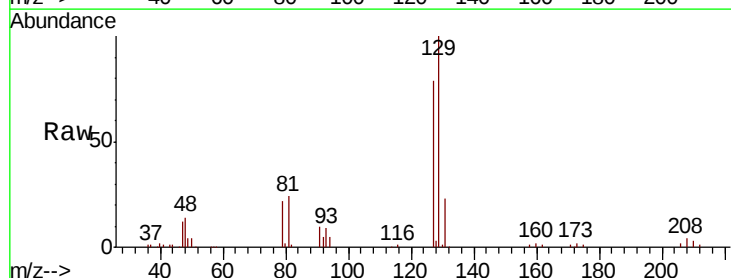
Instrument :
MSVOA_V
ClientSampleId :
BFB72

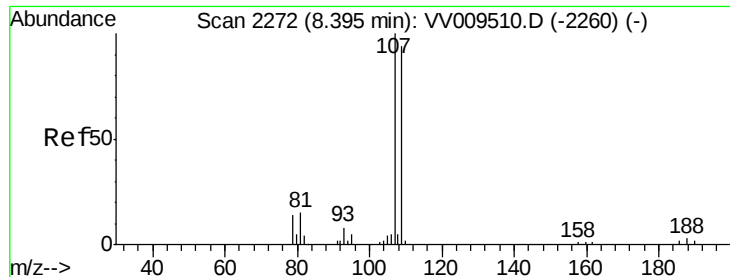
Tgt Ion:	43	Resp:	50420
Ion	Ratio	Lower	Upper
43	100		
58	54.1	46.3	69.5
57	21.1	15.8	23.6
100	12.5	10.0	15.0



#50
Dibromochloromethane
Concen: 25.932 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV009541.D
Acq: 08 Mar 2019 15:19

Tgt Ion:	129	Resp:	57745
Ion	Ratio	Lower	Upper
129	100		
127	79.1	53.7	99.7





#51

1,2-Dibromoethane

Concen: 24.225 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VV009541.D

Acq: 08 Mar 2019 15:19

Instrument :

MSVOA_V

ClientSampleId :

BFB72

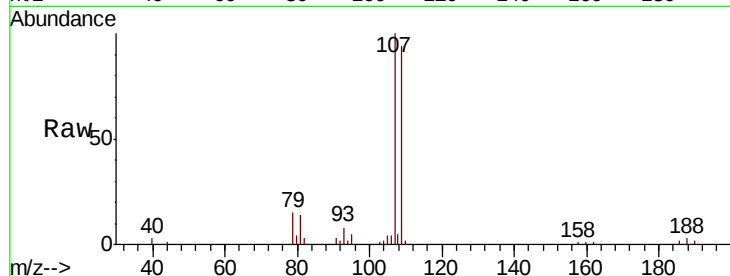
Tgt Ion:107 Resp: 46036

Ion Ratio Lower Upper

107 100

109 94.5 65.6 121.8

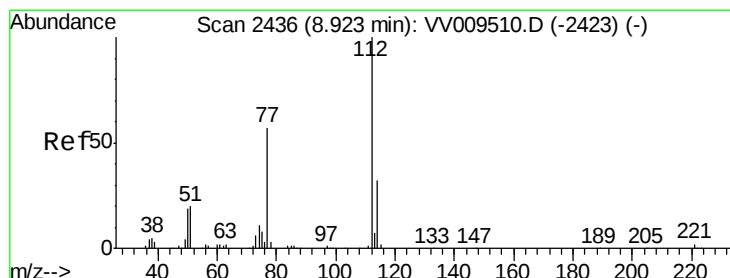
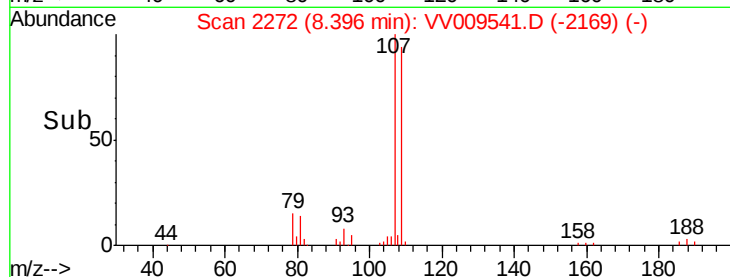
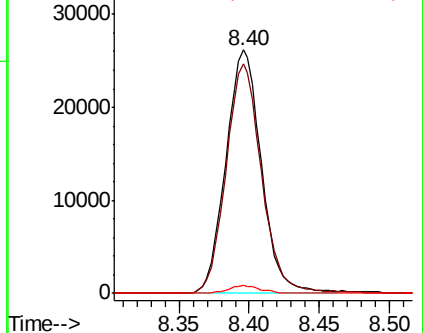
188 3.1 2.3 3.5



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 28.121 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. -0.00 min

Lab File: VV009541.D

Acq: 08 Mar 2019 15:19

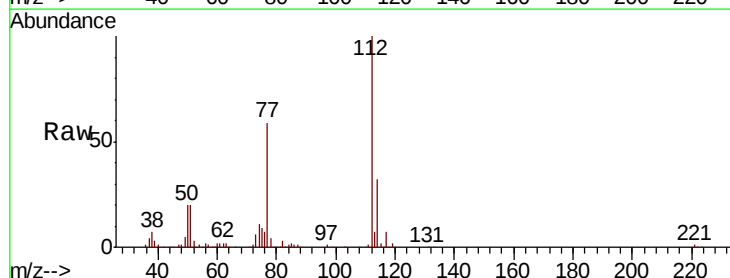
Tgt Ion:112 Resp: 180907

Ion Ratio Lower Upper

112 100

77 58.7 45.0 67.6

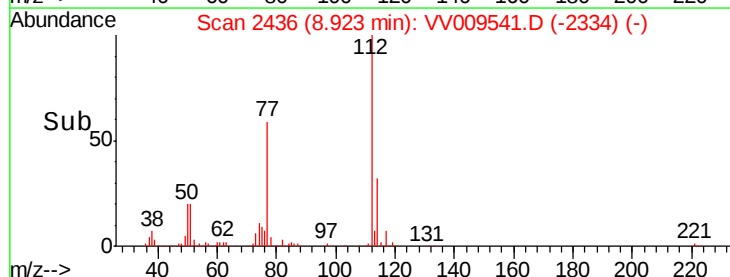
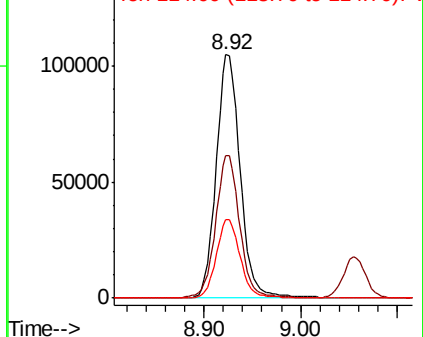
114 32.2 22.9 42.5

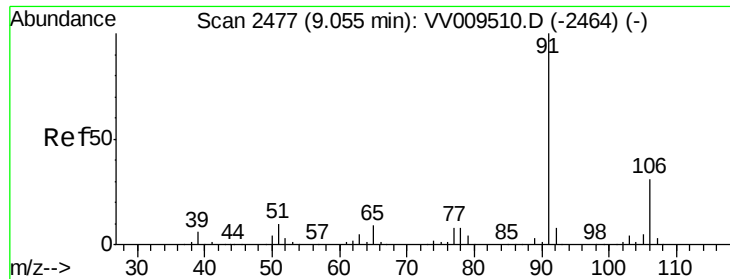


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VV0

Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 28.832 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV009541.D

Acq: 08 Mar 2019 15:19

Instrument :

MSVOA_V

ClientSampleId :

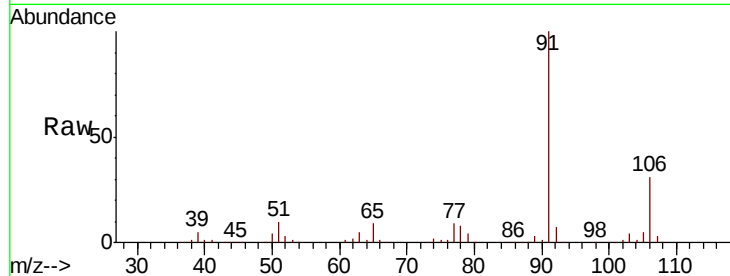
BFB72

Tgt Ion: 91 Resp: 320216

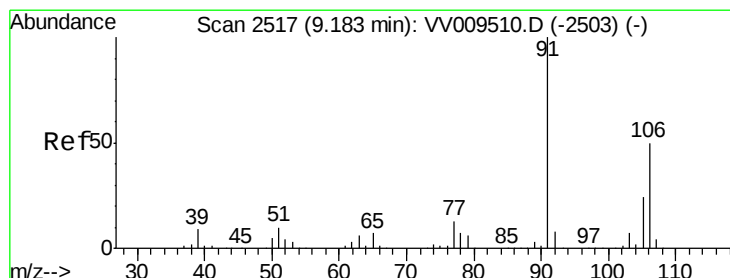
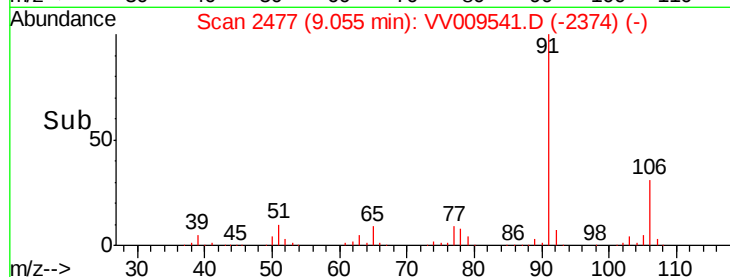
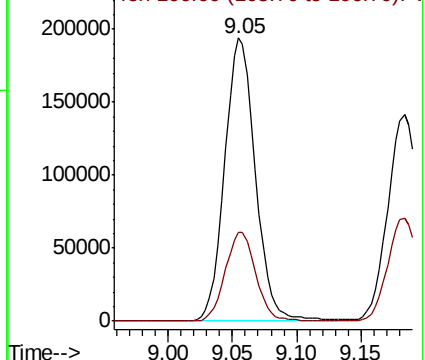
Ion Ratio Lower Upper

91 100

106 31.4 23.0 42.6



Abundance Ion 91.00 (90.70 to 91.70): VV009541.D (-2374) (-)



#54

m,p-Xylene

Concen: 28.910 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV009541.D

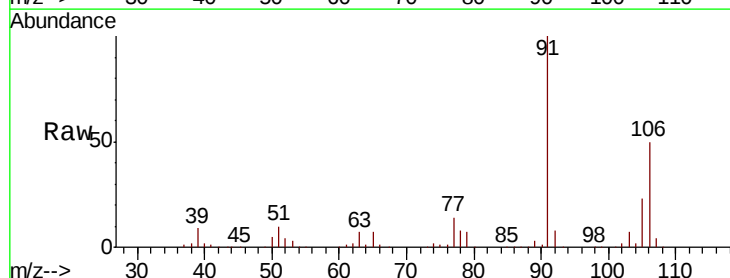
Acq: 08 Mar 2019 15:19

Tgt Ion: 106 Resp: 121523

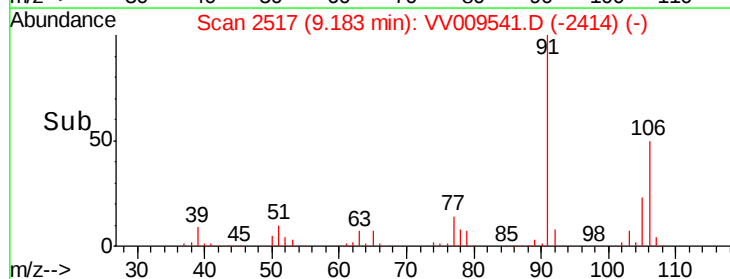
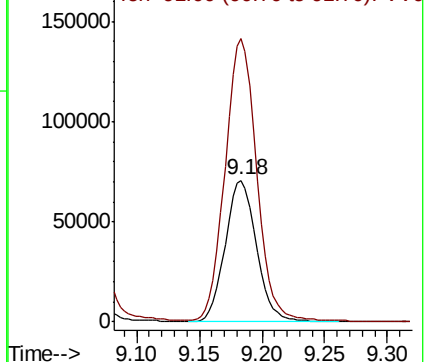
Ion Ratio Lower Upper

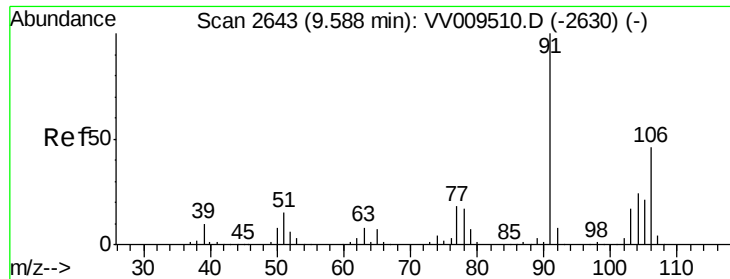
106 100

91 199.6 138.5 257.1



Abundance Ion 106.00 (105.70 to 106.70): VV009541.D (-2414) (-)

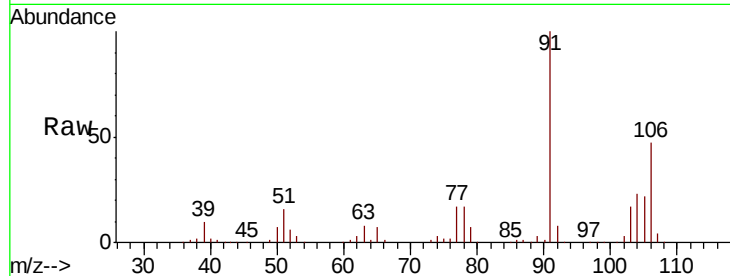




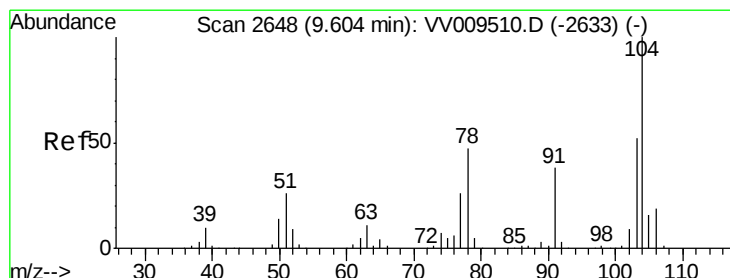
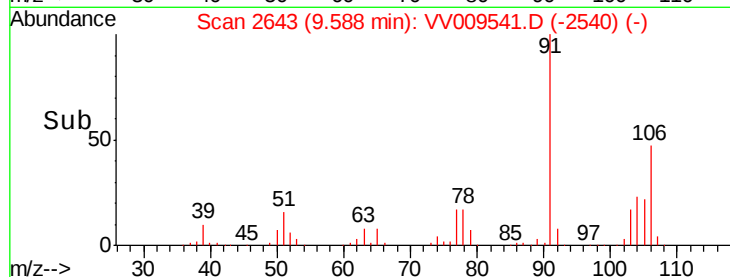
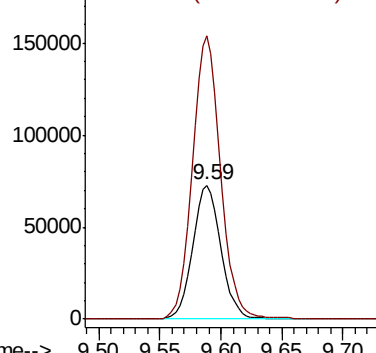
#55
o-xylene
Concen: 29.257 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV009541.D
Acq: 08 Mar 2019 15:19

Instrument :
MSVOA_V
ClientSampleId :
BFB72

Tgt Ion:106 Resp: 118587
Ion Ratio Lower Upper
106 100
91 211.0 143.8 267.0

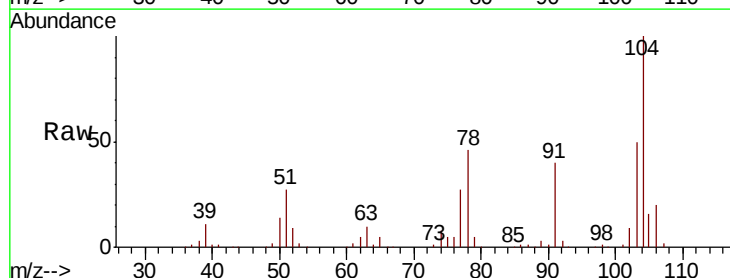


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

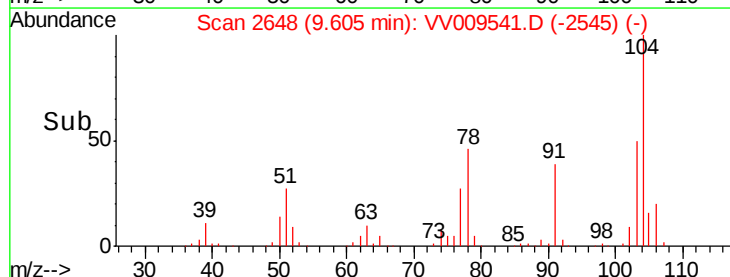
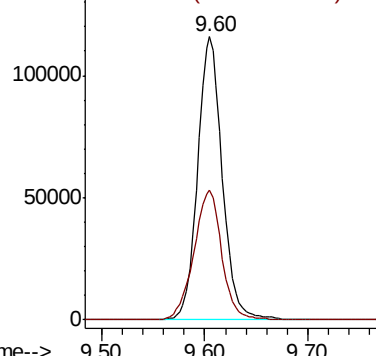


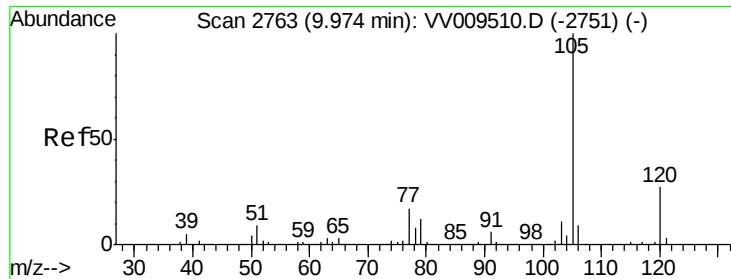
#56
Styrene
Concen: 28.929 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV009541.D
Acq: 08 Mar 2019 15:19

Tgt Ion:104 Resp: 192912
Ion Ratio Lower Upper
104 100
78 45.7 32.7 60.7



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





#57

Isopropylbenzene

Concen: 29.190 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV009541.D

Acq: 08 Mar 2019 15:19

Instrument :

MSVOA_V

ClientSampleId :

BFB72

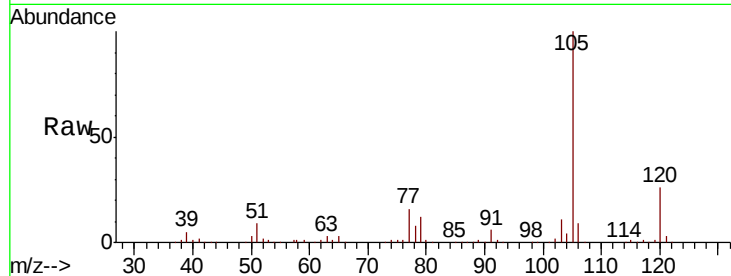
Tgt Ion: 105 Resp: 326342

Ion Ratio Lower Upper

105 100

120 26.6 21.4 32.2

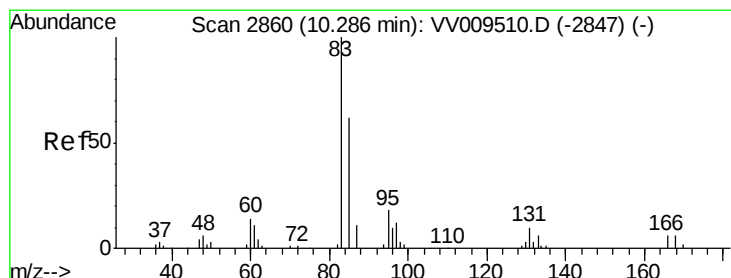
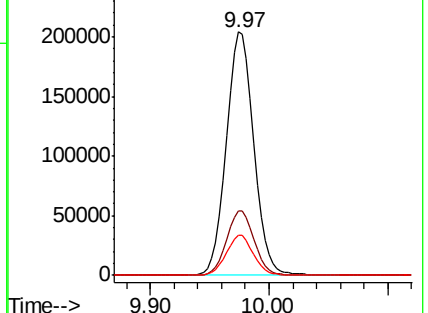
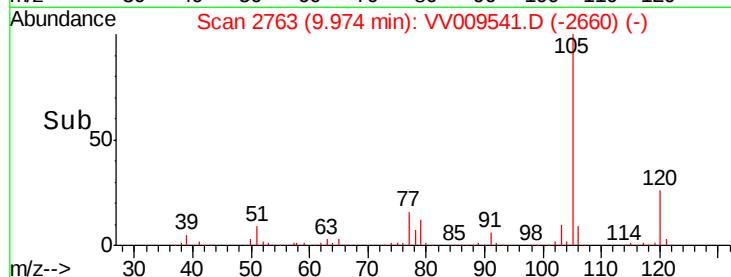
77 16.3 12.8 19.2



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: 22.651 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV009541.D

Acq: 08 Mar 2019 15:19

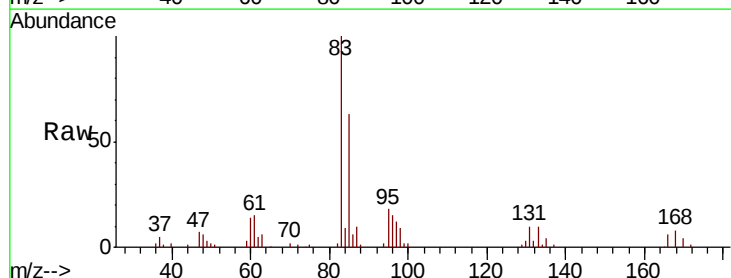
Tgt Ion: 83 Resp: 58827

Ion Ratio Lower Upper

83 100

85 62.6 44.7 83.1

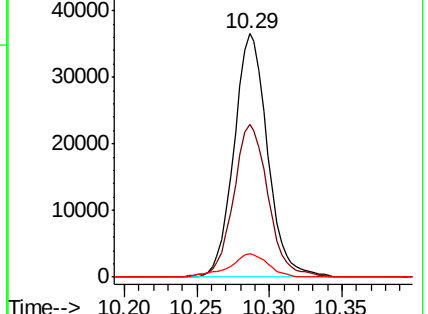
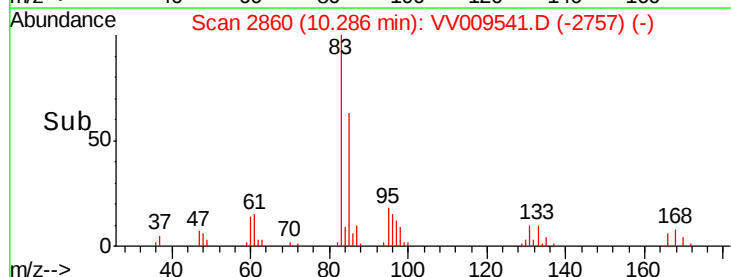
131 9.5 7.0 10.6

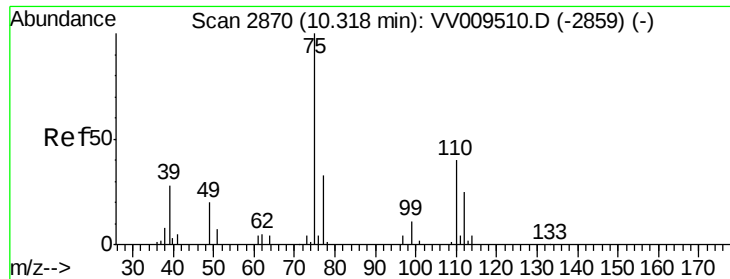


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 21.692 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VV009541.D

Acq: 08 Mar 2019 15:19

Instrument :

MSVOA_V

ClientSampled :

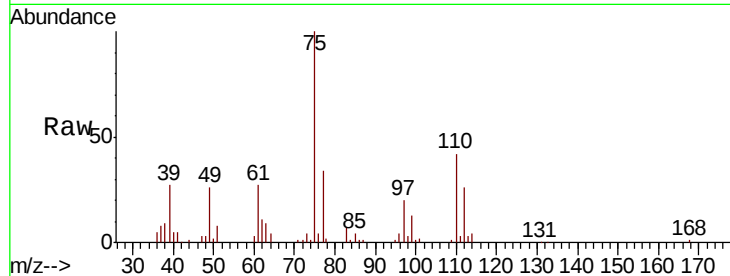
BFB72

Tgt Ion: 75 Resp: 40612

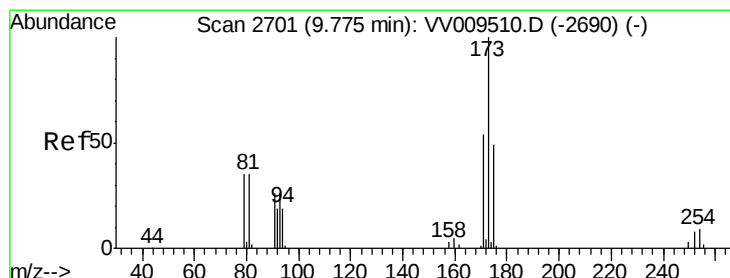
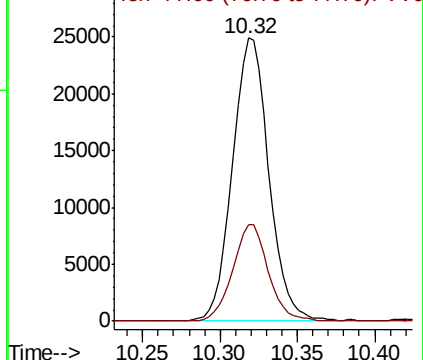
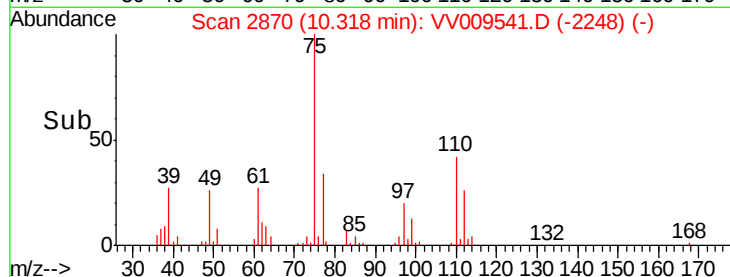
Ion Ratio Lower Upper

75 100

77 33.2 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VV009541.D (-2248) (-)



#62

Bromoform

Concen: 23.670 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VV009541.D

Acq: 08 Mar 2019 15:19

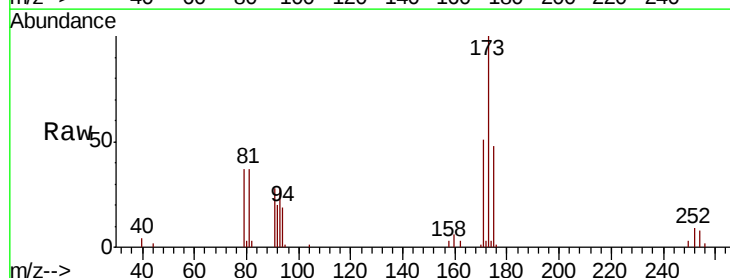
Tgt Ion: 173 Resp: 30476

Ion Ratio Lower Upper

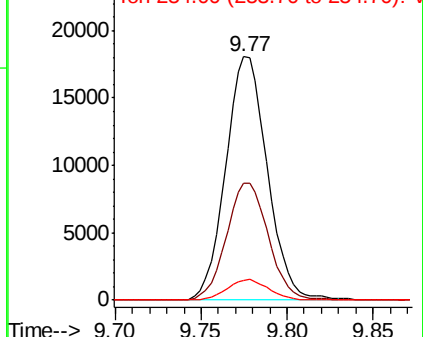
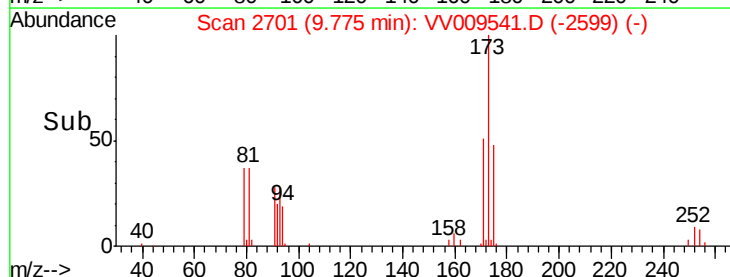
173 100

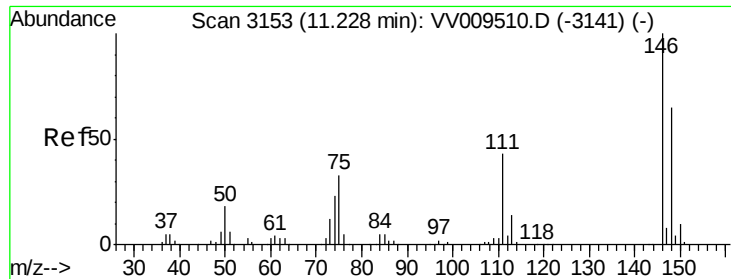
175 48.1 38.8 58.2

254 8.4 5.8 8.8



Abundance Ion 173.00 (172.70 to 173.70): VV009541.D (-2599) (-)





#63

1,3-Dichlorobenzene

Concen: 27.954 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. 0.00 min

Lab File: VV009541.D

Acq: 08 Mar 2019 15:19

Instrument :

MSVOA_V

ClientSampleId :

BFB72

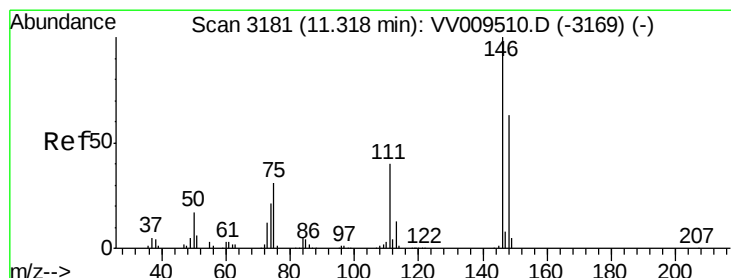
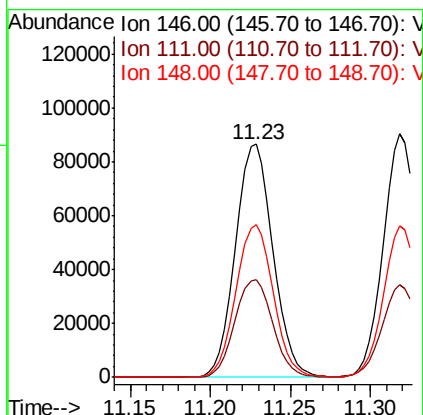
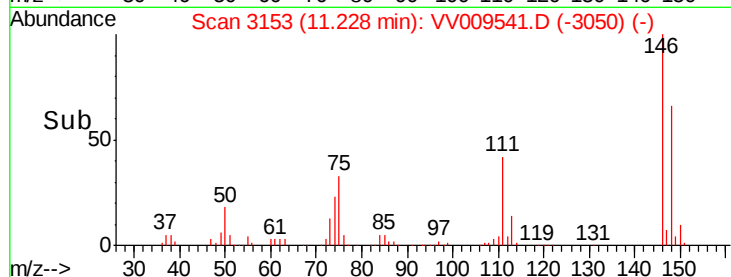
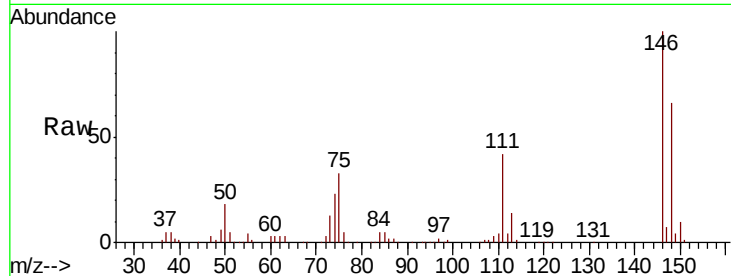
Tgt Ion:146 Resp: 138542

Ion Ratio Lower Upper

146 100

111 41.8 29.6 55.0

148 65.6 44.8 83.2



#64

1,4-Dichlorobenzene

Concen: 27.696 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. 0.00 min

Lab File: VV009541.D

Acq: 08 Mar 2019 15:19

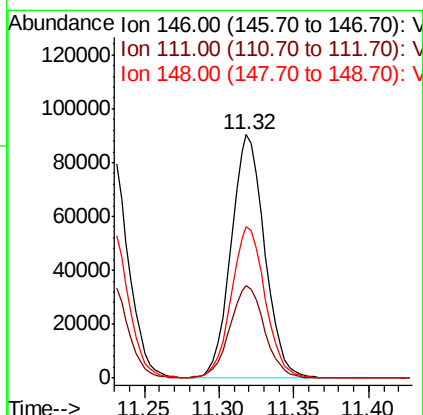
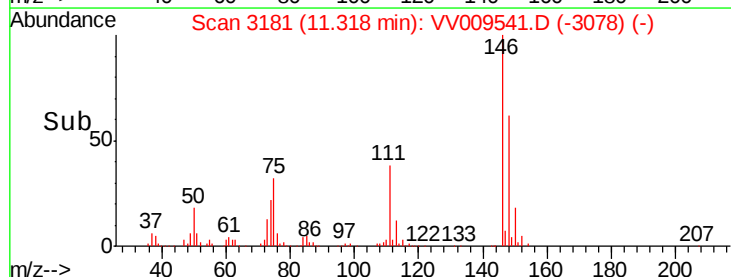
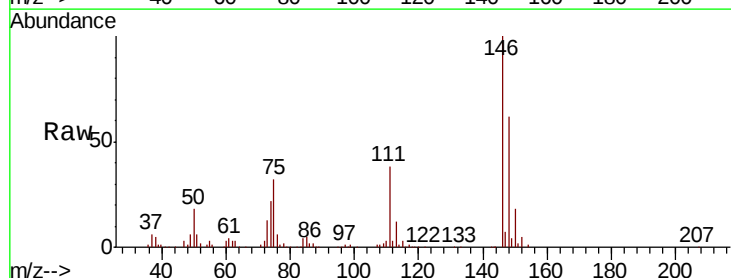
Tgt Ion:146 Resp: 140265

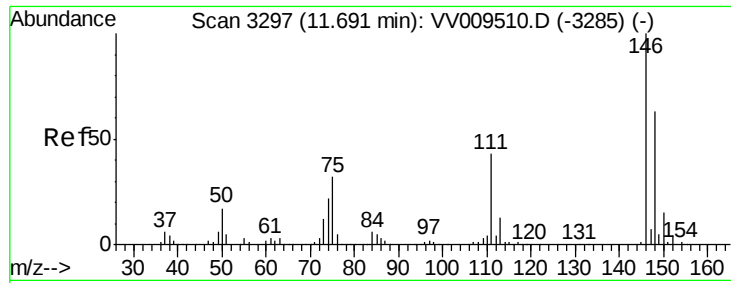
Ion Ratio Lower Upper

146 100

111 38.1 29.2 54.2

148 62.2 43.0 79.8





#65

1,2-Dichlorobenzene

Concen: 27.344 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV009541.D

Acq: 08 Mar 2019 15:19

Instrument :

MSVOA_V

ClientSampleId :

BFB72

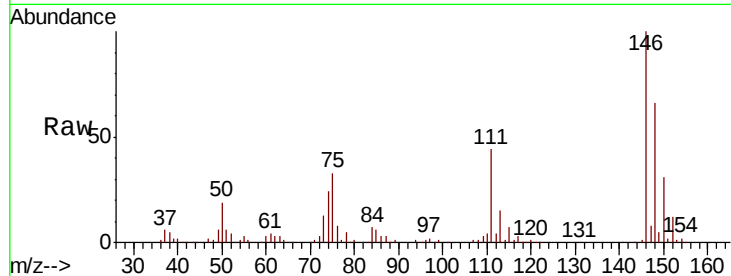
Tgt Ion: 146 Resp: 126379

Ion Ratio Lower Upper

146 100

111 43.8 35.4 53.0

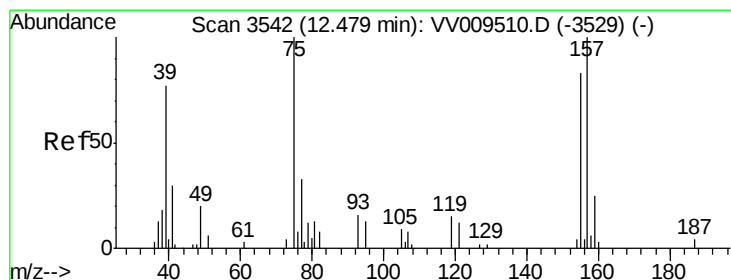
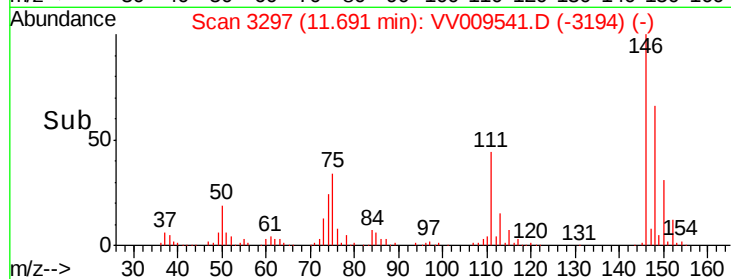
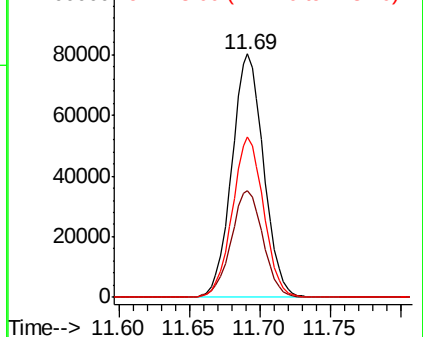
148 65.8 50.6 76.0



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: 19.588 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. 0.00 min

Lab File: VV009541.D

Acq: 08 Mar 2019 15:19

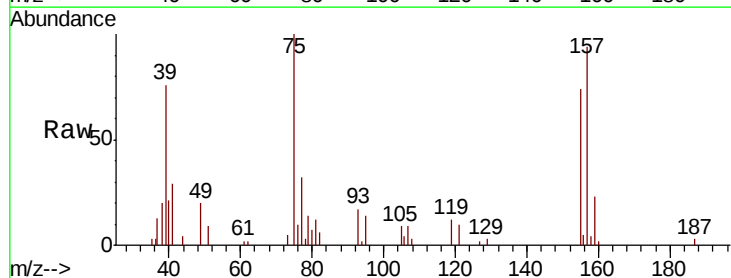
Tgt Ion: 75 Resp: 9068

Ion Ratio Lower Upper

75 100

157 94.4 81.0 121.4

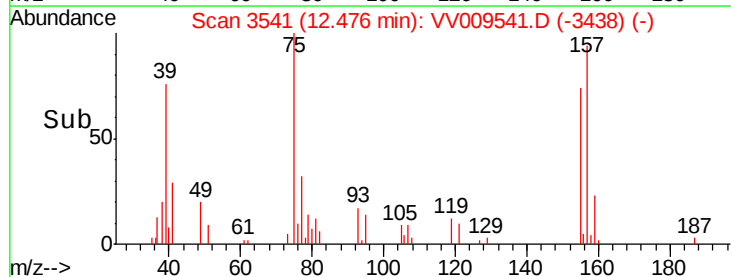
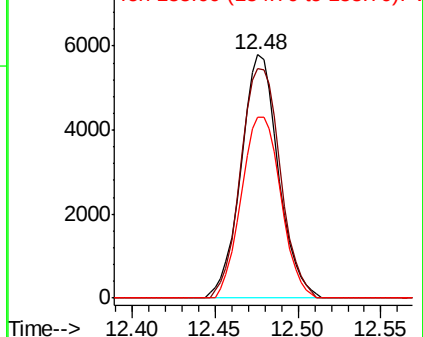
155 74.5 61.2 91.8

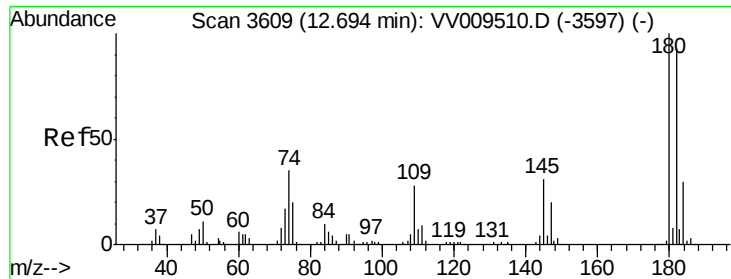


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

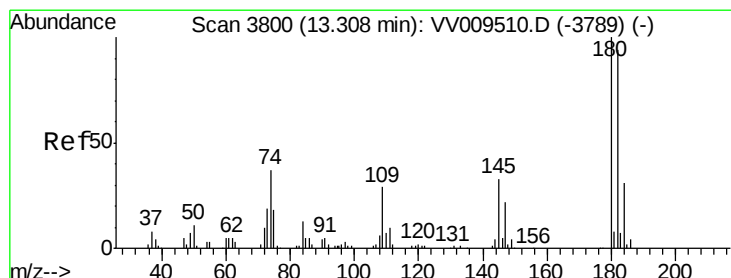
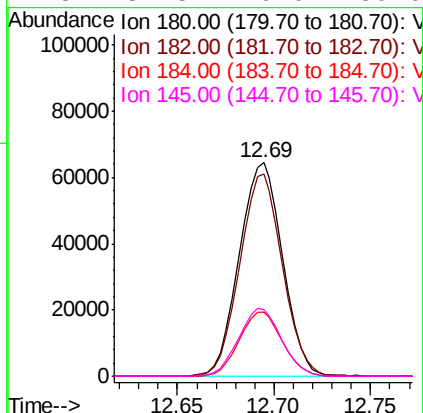
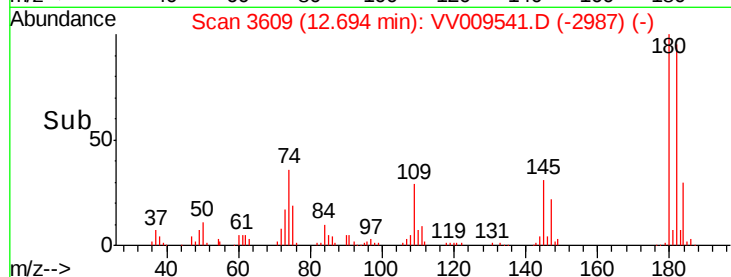
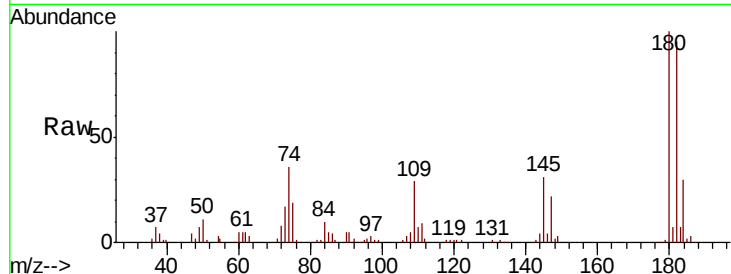




#67
 1,3,5-Trichlorobenzene
 Concen: 28.231 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV009541.D
 Acq: 08 Mar 2019 15:19

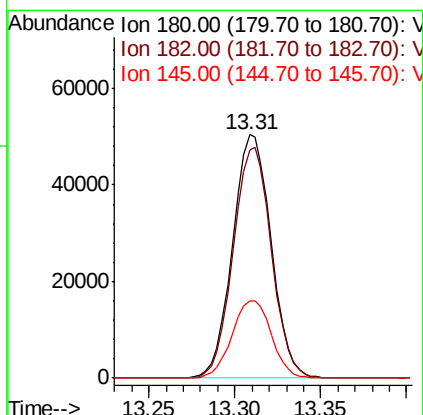
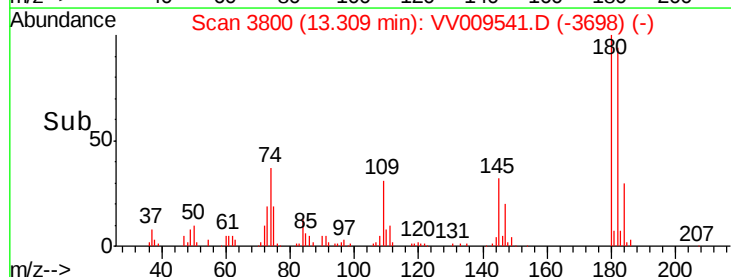
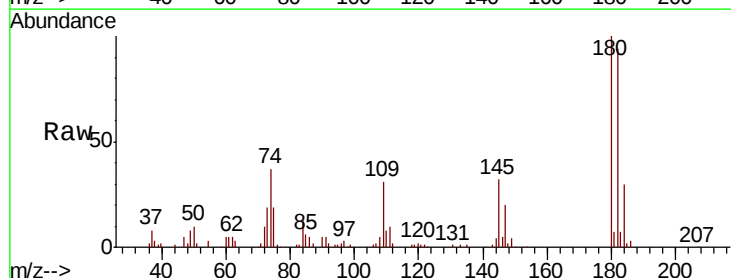
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB72

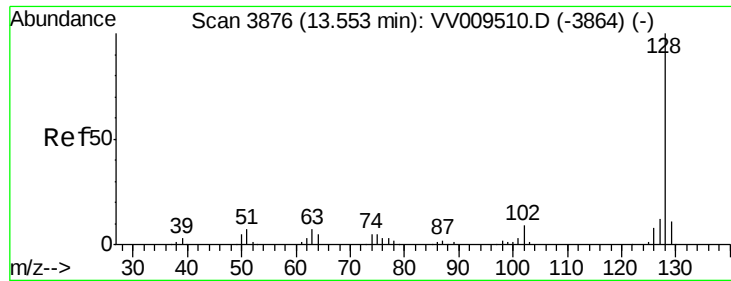
Tgt Ion:	180	Resp:	100361
Ion Ratio	Lower	Upper	
180	100		
182	93.5	75.4	113.2
184	30.0	23.9	35.9
145	31.5	26.0	39.0



#68
 1,2,4-trichlorobenzene
 Concen: 27.651 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. -0.00 min
 Lab File: VV009541.D
 Acq: 08 Mar 2019 15:19

Tgt Ion:	180	Resp:	78699
Ion Ratio	Lower	Upper	
180	100		
182	93.9	75.9	113.9
145	32.5	26.2	39.4





#69

Naphthalene

Concen: 22.592 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. -0.00 min

Lab File: VV009541.D

Acq: 08 Mar 2019 15:19

Instrument :

MSVOA_V

ClientSampled :

BFB72

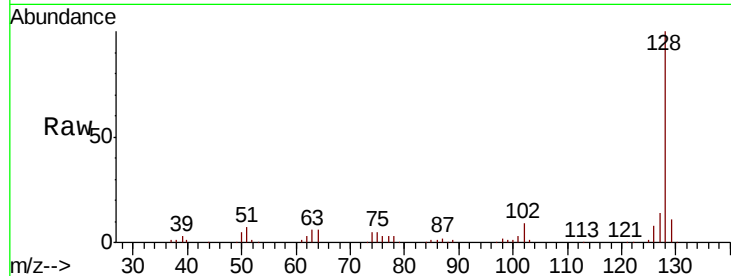
Tgt Ion:128 Resp: 135442

Ion Ratio Lower Upper

128 100

129 11.3 8.8 13.2

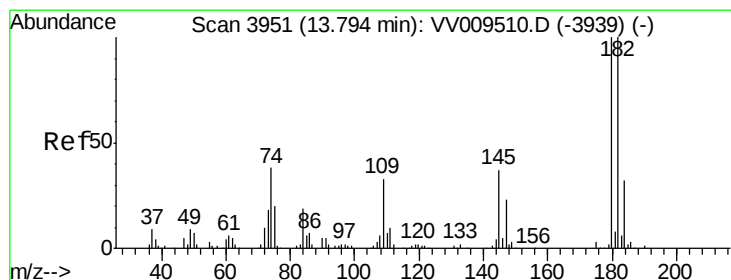
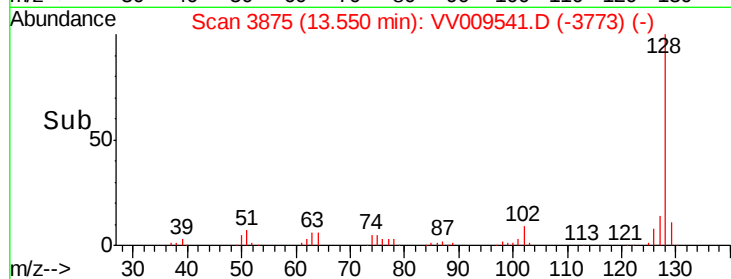
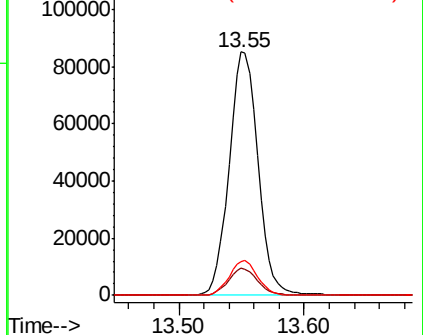
127 14.0 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 26.876 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV009541.D

Acq: 08 Mar 2019 15:19

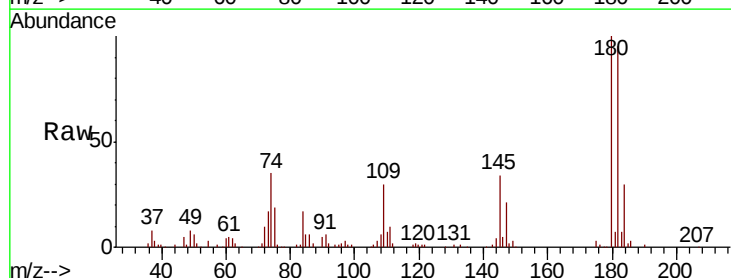
Tgt Ion:180 Resp: 70373

Ion Ratio Lower Upper

180 100

182 94.6 74.2 111.2

145 35.0 27.7 41.5



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

