

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV021020\
 Data File : VV014541.D
 Acq On : 10 Feb 2020 10:28
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Feb 11 04:42:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM020620W.M
 Quant Title : VOC Analysis
 QLast Update : Mon Feb 10 16:12:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	346206	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	321723	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	162567	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	80580	42.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.84%
7) Chloroethane-d5	1.58	69	58588	45.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.56%
11) 1,1-Dichloroethene-d2	2.13	63	131034	45.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.92%
21) 2-Butanone-d5	3.92	46	137233	94.69	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.69%
24) Chloroform-d	4.40	84	216980	50.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.44%
26) 1,2-Dichloroethane-d4	5.07	65	131068	50.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.38%
32) Benzene-d6	5.09	84	437358	49.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.18%
36) 1,2-Dichloropropane-d6	6.11	67	132795	48.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.22%
41) Toluene-d8	7.35	98	416752	50.80	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.60%
43) trans-1,3-Dichloropropene-	7.66	79	73073	49.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.78%
47) 2-Hexanone-d5	8.12	63	114637	98.64	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.64%
56) 1,1,2,2-Tetrachloroethane-	10.25	84	180427	50.86	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.72%
66) 1,2-Dichlorobenzene-d4	11.67	152	160755	51.56	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.12%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	146863	52.956	ug/L 99
3) Chloromethane	1.26	50	133664	47.600	ug/L 98
5) Vinyl chloride	1.33	62	97850	45.495	ug/L 99
6) Bromomethane	1.53	94	46570	47.088	ug/L 99
8) Chloroethane	1.60	64	46578	43.584	ug/L 97
9) Trichlorofluoromethane	1.77	101	154651	53.379	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	68845	49.486	ug/L 99
12) 1,1-Dichloroethene	2.14	96	64242	48.280	ug/L 89
13) Acetone	2.18	43	119310	98.325	ug/L 100
14) Carbon disulfide	2.32	76	302563	46.832	ug/L 100
15) Methyl Acetate	2.45	43	101739	43.604	ug/L 96
16) Methylene chloride	2.54	84	121734	48.172	ug/L 94
17) trans-1,2-Dichloroethene	2.79	96	116389	49.646	ug/L 97
18) Methyl tert-butyl Ether	2.80	73	365987	49.299	ug/L 99
19) 1,1-Dichloroethane	3.23	63	207043	49.388	ug/L 99
20) cis-1,2-Dichloroethene	3.96	96	135489	51.357	ug/L 97
22) 2-Butanone	4.00	43	176503	98.350	ug/L # 50

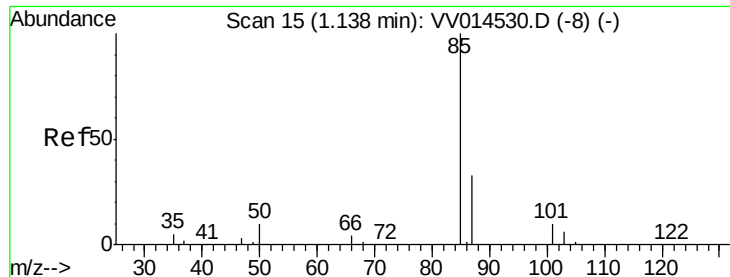
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV021020\
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	65341	52.306	ug/L	92
25) Chloroform	4.42	83	217193	50.953	ug/L	98
27) 1,2-Dichloroethane	5.17	62	161068	50.712	ug/L	100
29) Cyclohexane	4.72	56	190738	48.219	ug/L	96
30) 1,1,1-Trichloroethane	4.65	97	192707	52.483	ug/L	99
31) Carbon tetrachloride	4.87	117	173654	53.609	ug/L	99
33) Benzene	5.14	78	475052	50.225	ug/L	100
34) Trichloroethene	5.96	95	126151	50.317	ug/L	96
35) Methylcyclohexane	6.17	83	208280	50.837	ug/L	98
37) 1,2-Dichloropropane	6.22	63	120006	49.812	ug/L	100
38) Bromodichloromethane	6.55	83	167861	51.917	ug/L	100
39) cis-1,3-Dichloropropene	7.06	75	209681	52.174	ug/L	98
40) 4-Methyl-2-pentanone	7.26	43	286793	92.118	ug/L	97
42) Toluene	7.42	91	518679	51.146	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	185835	51.572	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	118701	51.356	ug/L	97
46) Tetrachloroethene	8.01	164	101489	53.063	ug/L	96
48) 2-Hexanone	8.17	43	232378	96.957	ug/L	96
49) Dibromochloromethane	8.28	129	138684	53.146	ug/L	99
50) 1,2-Dibromoethane	8.39	107	127601	50.973	ug/L	98
51) Chlorobenzene	8.92	112	339749	51.289	ug/L	99
52) Ethylbenzene	9.05	91	587778	51.683	ug/L	99
53) m,p-Xylene	9.18	106	226472	51.698	ug/L	99
54) o-Xylene	9.58	106	218928	52.214	ug/L	98
55) Styrene	9.60	104	377517	52.681	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.28	83	182609	50.409	ug/L	98
59) Bromoform	9.77	173	96935	53.460	ug/L	98
60) Isopropylbenzene	9.97	105	580177	52.774	ug/L	100
61) 1,2,3-Trichloropropane	10.31	75	143380	49.801	ug/L	98
62) 1,3,5-Trimethylbenzene	10.58	105	497412	52.851	ug/L	100
63) 1,2,4-Trimethylbenzene	10.95	105	491386	52.961	ug/L	99
64) 1,3-Dichlorobenzene	11.22	146	271330	52.324	ug/L	99
65) 1,4-Dichlorobenzene	11.31	146	274372	51.396	ug/L	99
67) 1,2-Dichlorobenzene	11.68	146	267369	53.179	ug/L	98
68) 1,2-Dibromo-3-chloropropan	12.47	75	40204	49.865	ug/L	95
69) 1,3,5-Trichlorobenzene	12.68	180	197027	53.932	ug/L	99
70) 1,2,4-trichlorobenzene	13.30	180	180940	53.945	ug/L	99
71) Naphthalene	13.54	128	561906	51.000	ug/L	99
72) 1,2,3-Trichlorobenzene	13.79	180	175018	53.705	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 52.956 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV014541.D

Acq: 10 Feb 2020 10:28

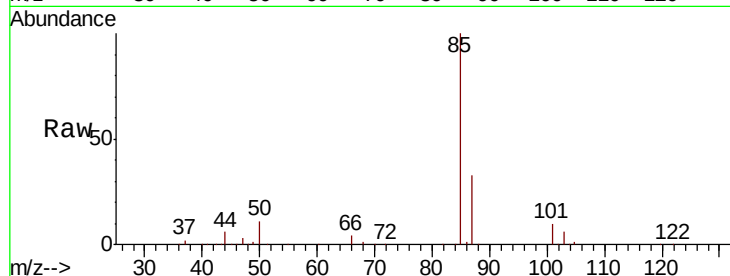
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 146863

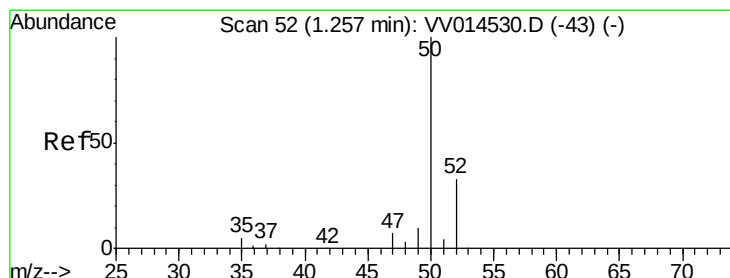
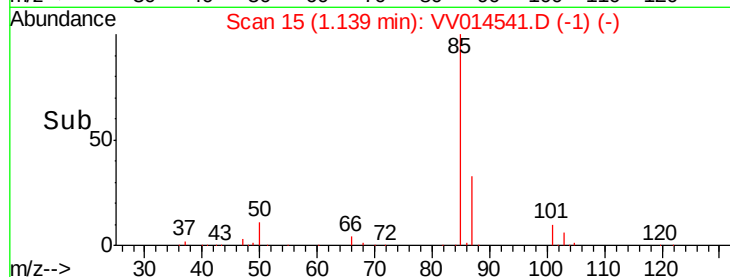
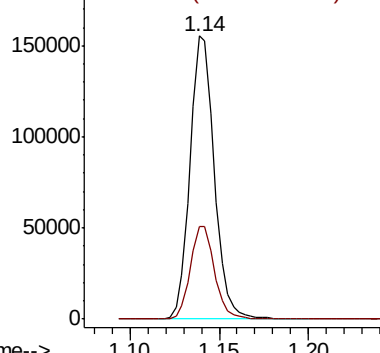
Ion Ratio Lower Upper

85 100

87 32.8 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV0
Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 47.600 ug/L

RT: 1.26 min Scan# 52

Delta R.T. 0.00 min

Lab File: VV014541.D

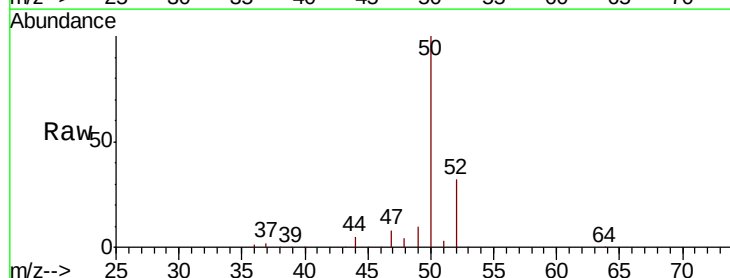
Acq: 10 Feb 2020 10:28

Tgt Ion: 50 Resp: 133664

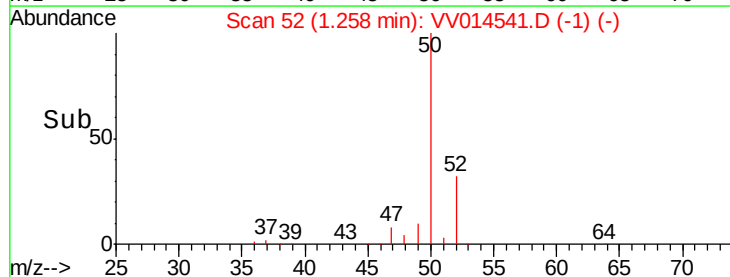
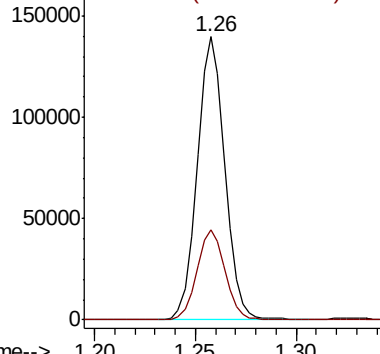
Ion Ratio Lower Upper

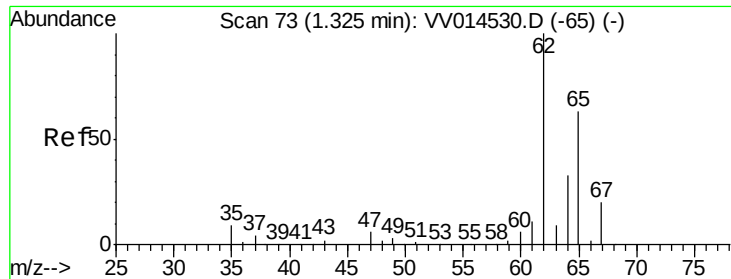
50 100

52 31.8 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VV0
Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 45.495 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV014541.D

Acq: 10 Feb 2020 10:28

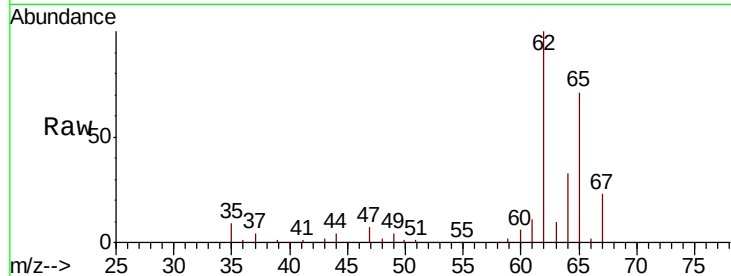
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 97850

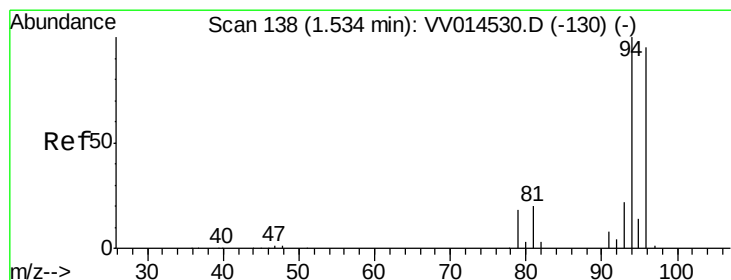
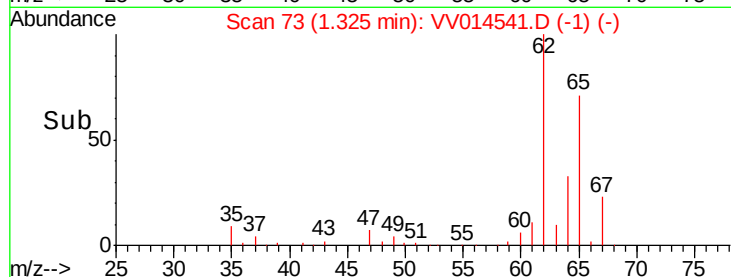
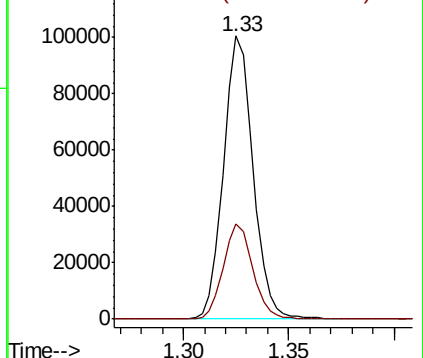
Ion Ratio Lower Upper

62 100

64 33.5 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VV0
Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 47.088 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV014541.D

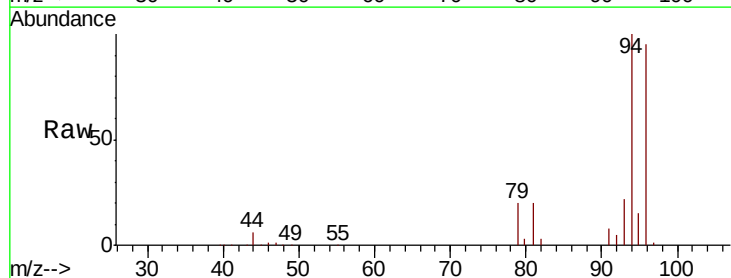
Acq: 10 Feb 2020 10:28

Tgt Ion: 94 Resp: 46570

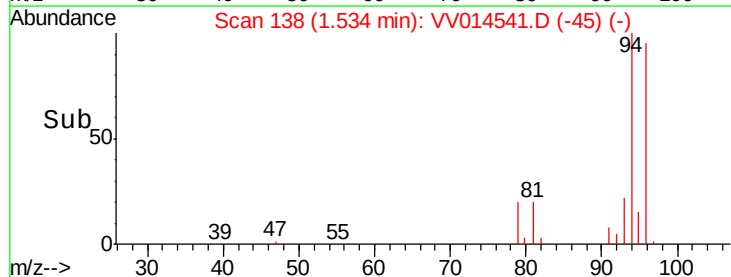
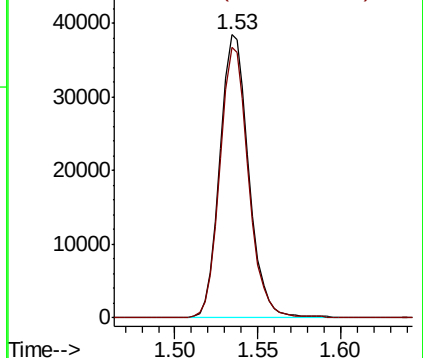
Ion Ratio Lower Upper

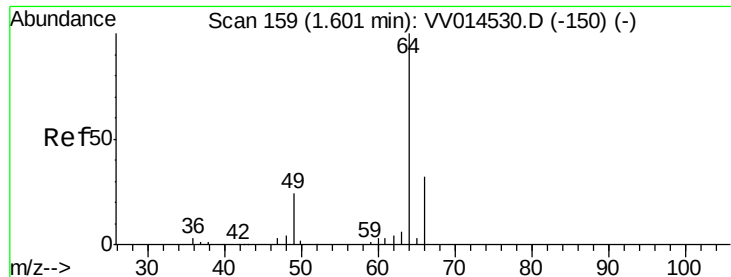
94 100

96 95.5 67.3 124.9



Abundance Ion 94.00 (93.70 to 94.70): VV0
Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 43.584 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV014541.D

Acq: 10 Feb 2020 10:28

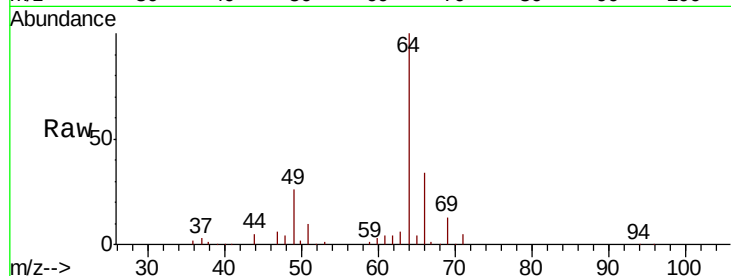
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 46578

Ion Ratio Lower Upper

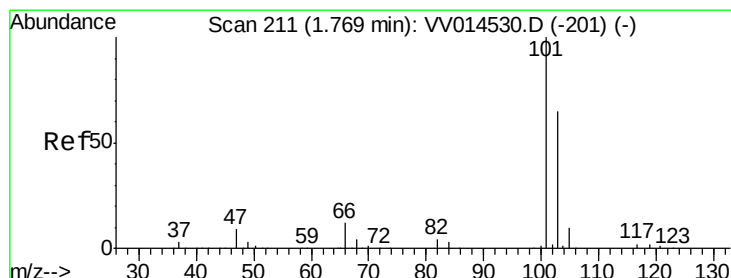
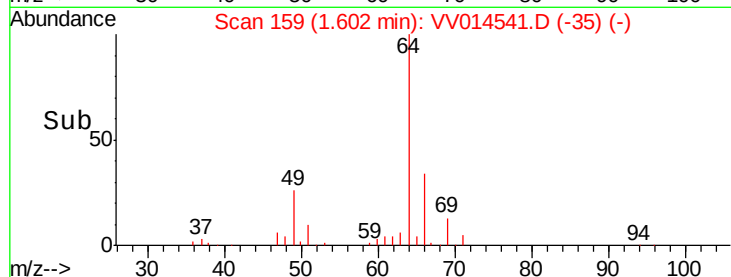
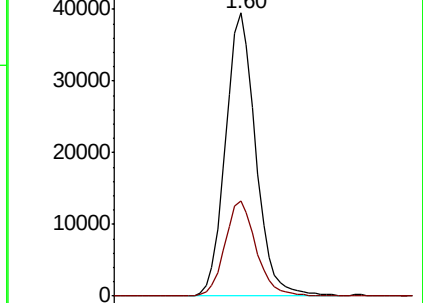
64 100

66 33.5 22.4 41.6



Abundance Ion 64.00 (63.70 to 64.70): VV014530.D (-150) (-)

Ion 66.00 (65.70 to 66.70): VV014530.D (-150) (-)



#9

Trichlorofluoromethane

Concen: 53.379 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV014541.D

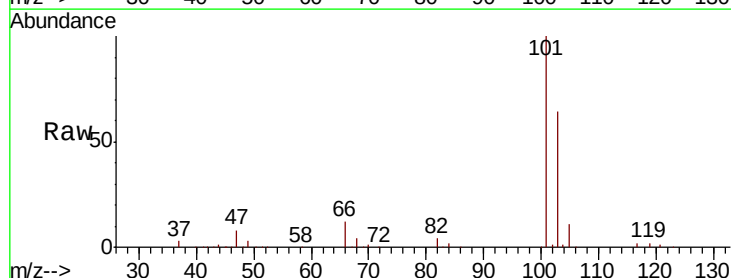
Acq: 10 Feb 2020 10:28

Tgt Ion: 101 Resp: 154651

Ion Ratio Lower Upper

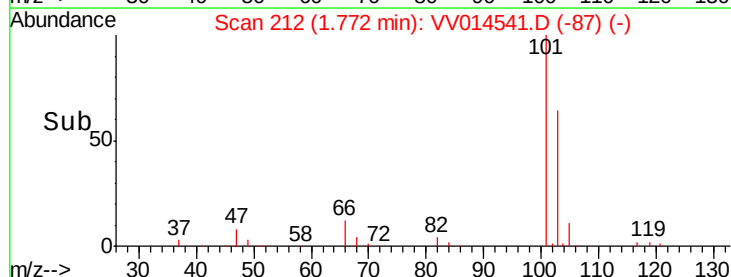
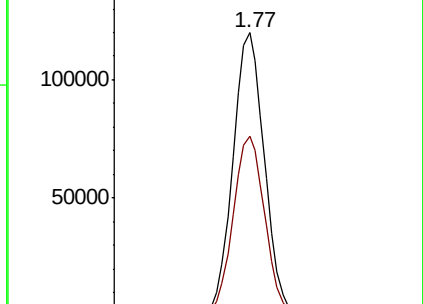
101 100

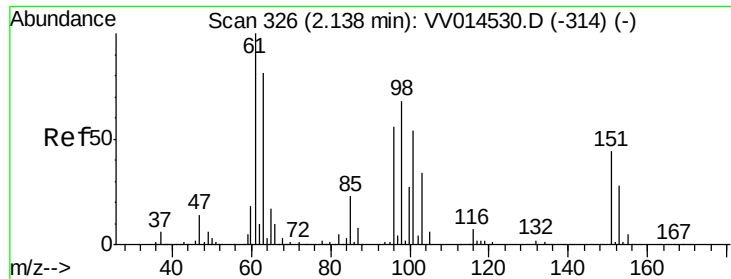
103 63.9 51.8 77.8



Abundance Ion 101.00 (100.70 to 101.70): VV014530.D (-201) (-)

Ion 103.00 (102.70 to 103.70): VV014530.D (-201) (-)





#10

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

Concen: 49.486 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV014541.D

Acq: 10 Feb 2020 10:28

Instrument :

MSVOA_V

ClientSampled :

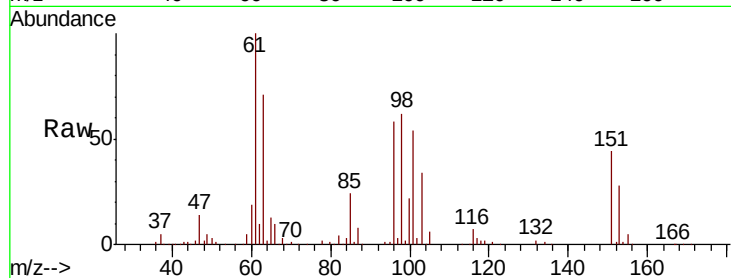
Tot Ion:101 Resp: 68845

Ion Ratio Lower Upper

101 100

85 44.4 35.0 52.6

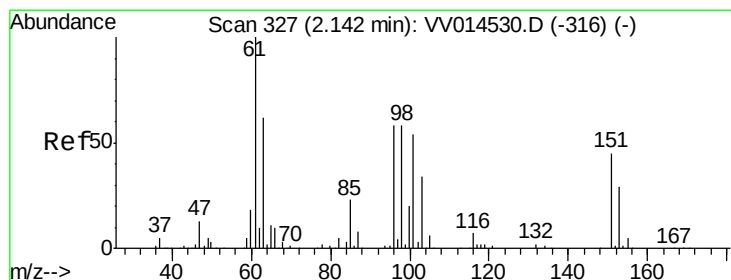
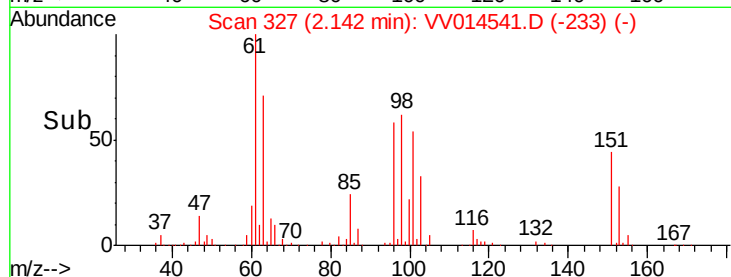
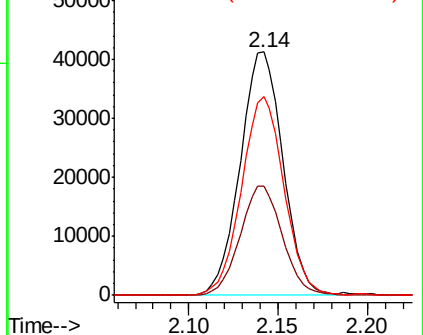
151 81.2 64.4 96.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 48.280 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV014541.D

Acq: 10 Feb 2020 10:28

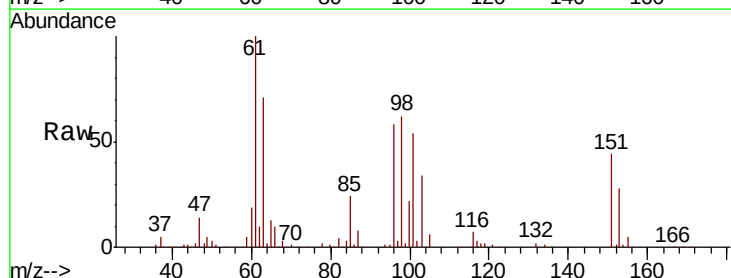
Tgt Ion: 96 Resp: 64242

Ion Ratio Lower Upper

96 100

61 172.3 125.0 232.2

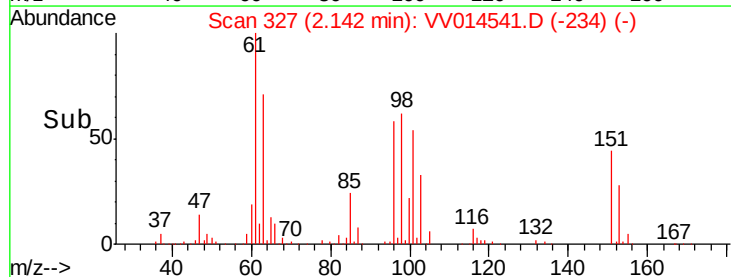
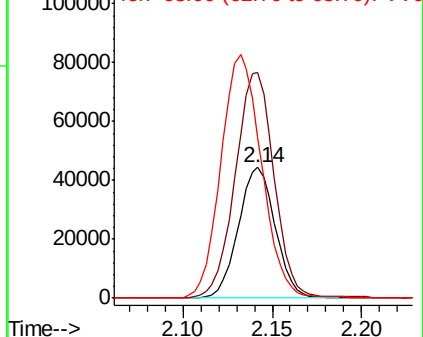
63 122.8 101.6 188.6

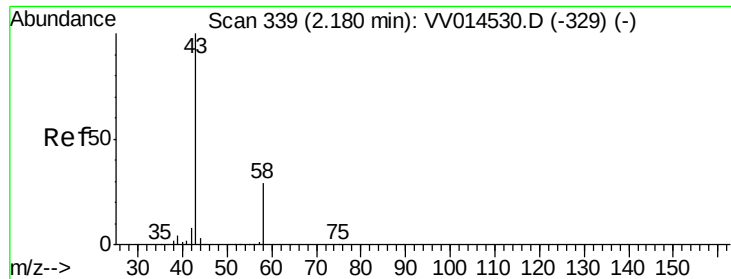


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 98.325 ug/L

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VV014541.D

Acq: 10 Feb 2020 10:28

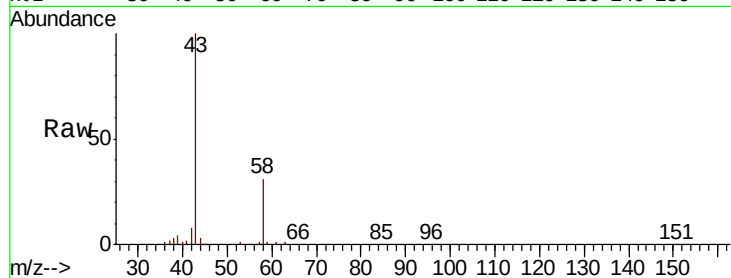
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 119310

Ion Ratio Lower Upper

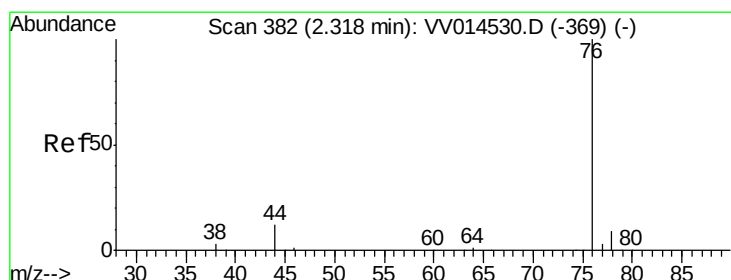
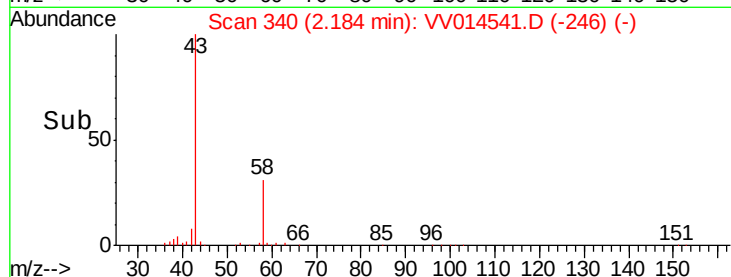
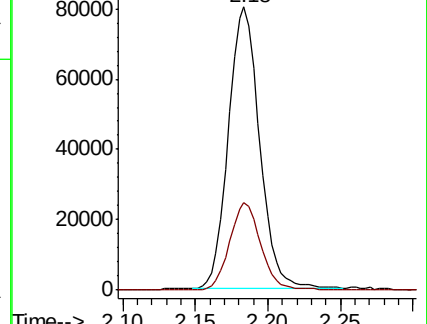
43 100

58 31.1 0.0 61.8



Abundance Ion 43.00 (42.70 to 43.70): VV014541.D (-246) (-)

Ion 58.00 (57.70 to 58.70): VV014541.D (-246) (-)



#14

Carbon disulfide

Concen: 46.832 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV014541.D

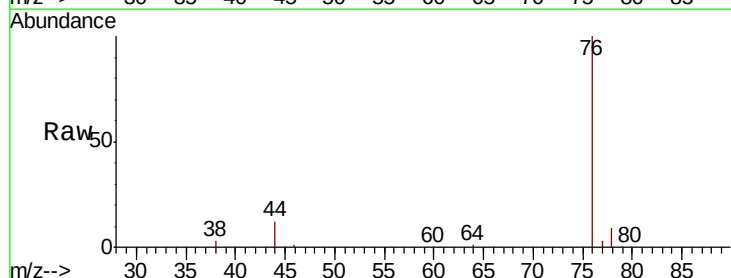
Acq: 10 Feb 2020 10:28

Tgt Ion: 76 Resp: 302563

Ion Ratio Lower Upper

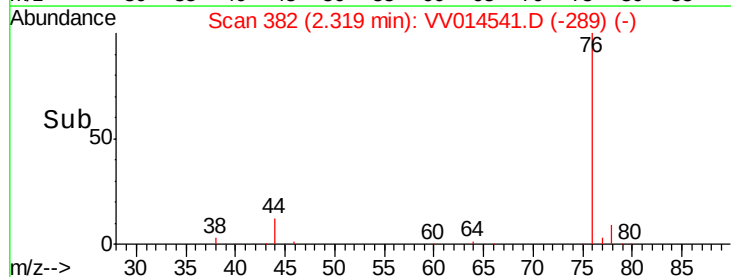
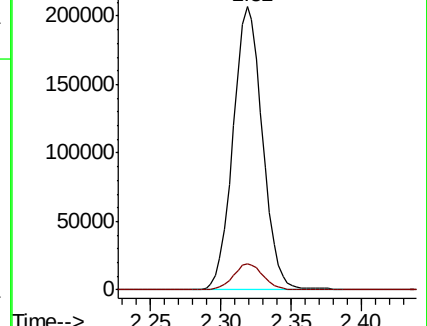
76 100

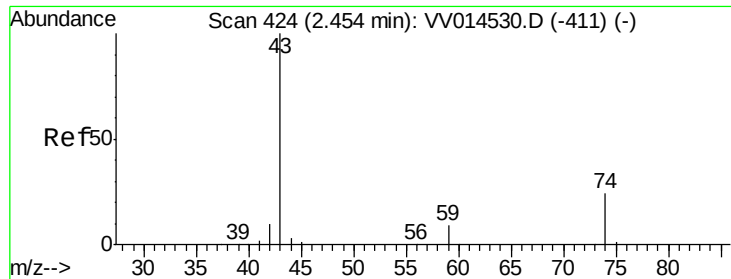
78 9.3 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VV014541.D (-289) (-)

Ion 78.00 (77.70 to 78.70): VV014541.D (-289) (-)





#15

Methvl Acetate

Concen: 43.604 ug/L

RT: 2.45 min Scan# 424

Delta R.T. 0.00 min

Lab File: VV014541.D

Acq: 10 Feb 2020 10:28

Instrument :

MSVOA_V

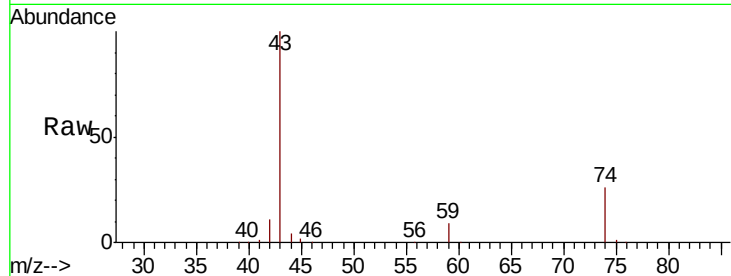
ClientSampleId :

Tot Ion: 43 Resp: 101739

Ion Ratio Lower Upper

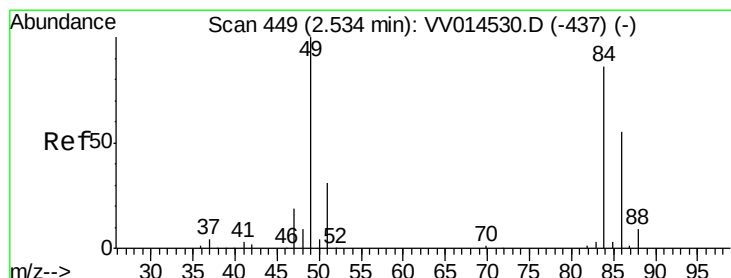
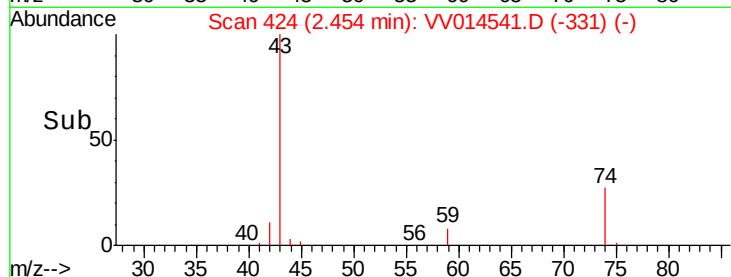
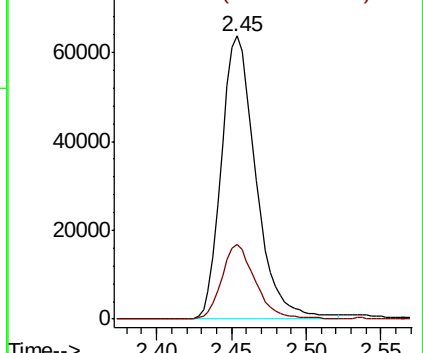
43 100

74 25.9 19.4 29.0



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 48.172 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV014541.D

Acq: 10 Feb 2020 10:28

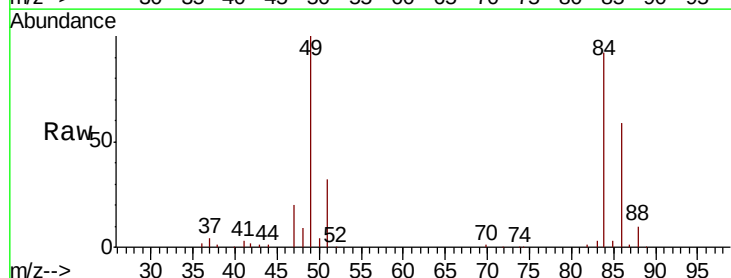
Tgt Ion: 84 Resp: 121734

Ion Ratio Lower Upper

84 100

86 64.3 44.6 82.8

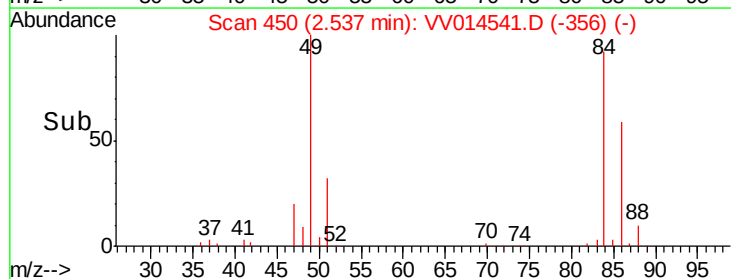
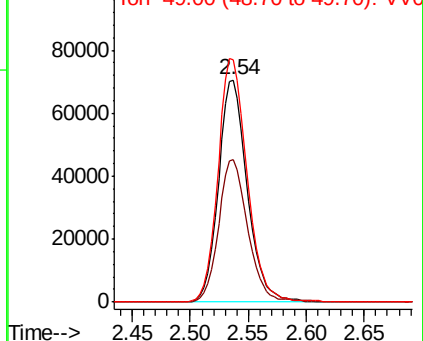
49 109.2 83.2 154.4

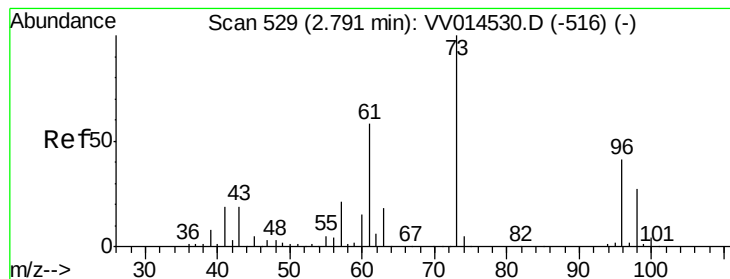


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 49.646 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

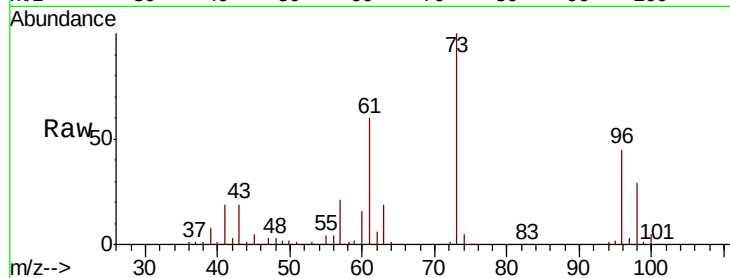
Lab File: VV014541.D

Acq: 10 Feb 2020 10:28

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 96 Resp: 116389

Ion	Ratio	Lower	Upper
96	100		
61	132.6	95.8	178.0
98	65.0	45.1	83.7

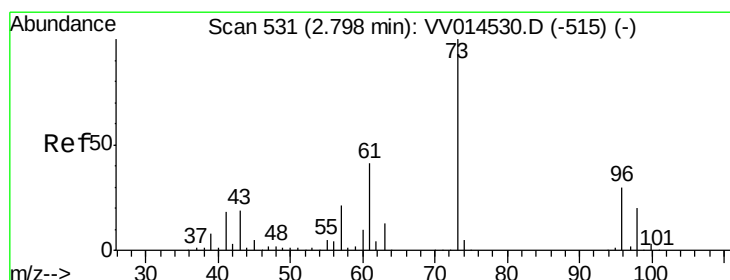
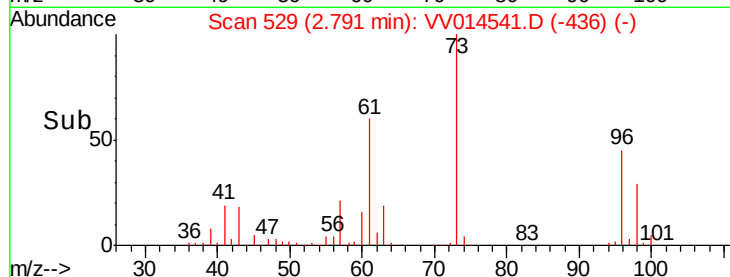
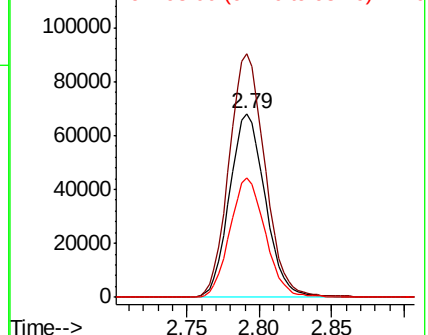


Abundance

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: 49.299 ug/L

RT: 2.80 min Scan# 531

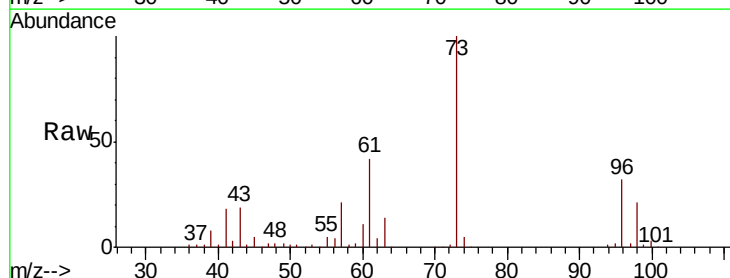
Delta R.T. 0.00 min

Lab File: VV014541.D

Acq: 10 Feb 2020 10:28

Tgt Ion: 73 Resp: 365987

Ion	Ratio	Lower	Upper
73	100		
43	18.8	14.9	22.3
57	21.4	17.5	26.3

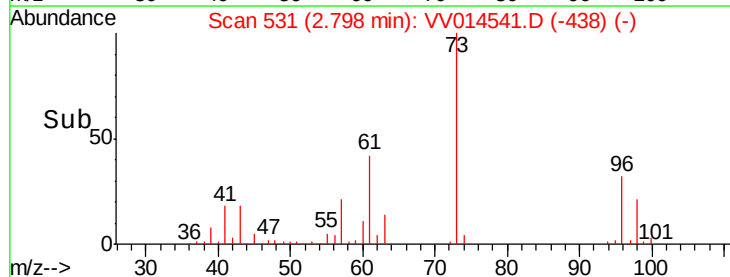
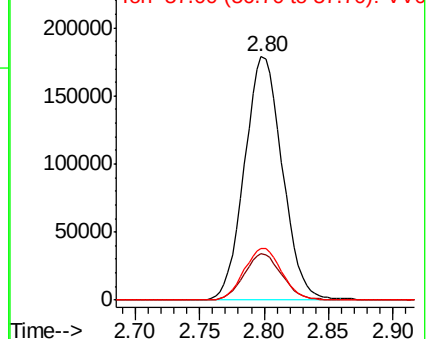


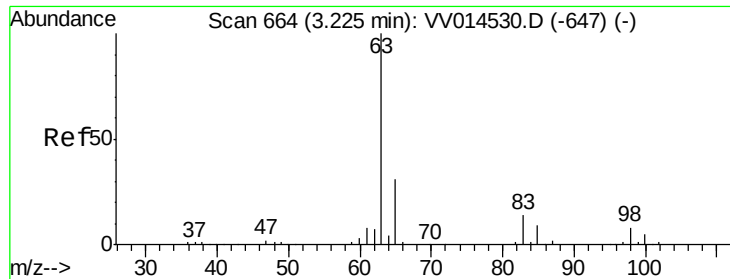
Abundance

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: 49.388 ug/L

RT: 3.23 min Scan# 664

Delta R.T. 0.00 min

Lab File: VV014541.D

Acq: 10 Feb 2020 10:28

Instrument :

MSVOA_V

ClientSampled :

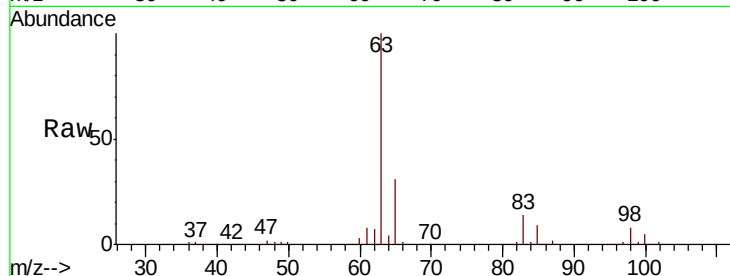
Tot Ion: 63 Resp: 207043

Ion Ratio Lower Upper

63 100

65 31.4 22.5 41.7

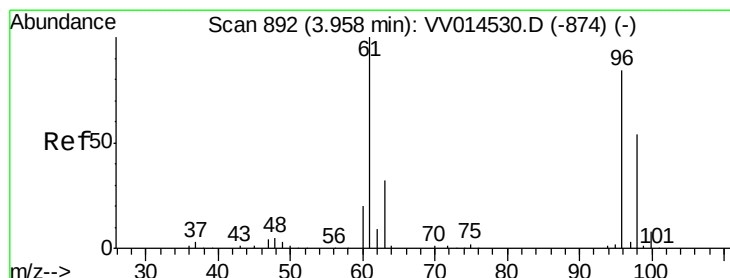
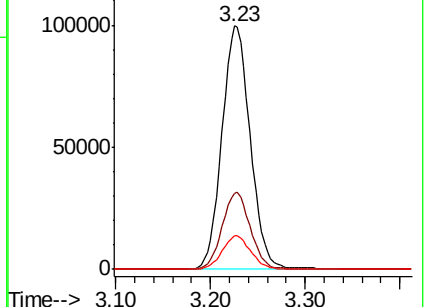
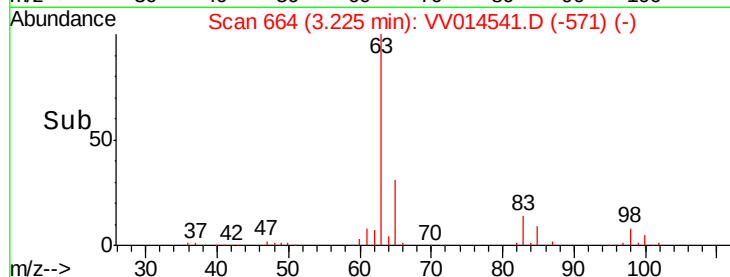
83 13.7 9.7 18.1



Abundance Ion 63.00 (62.70 to 63.70): VV014541.D (-571) (-)

Ion 65.00 (64.70 to 65.70): VV014541.D (-571) (-)

Ion 83.00 (82.70 to 83.70): VV014541.D (-571) (-)



#20

cis-1,2-Dichloroethene

Concen: 51.357 ug/L

RT: 3.96 min Scan# 892

Delta R.T. 0.00 min

Lab File: VV014541.D

Acq: 10 Feb 2020 10:28

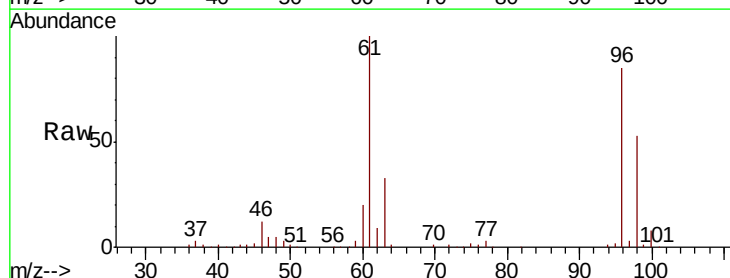
Tgt Ion: 96 Resp: 135489

Ion Ratio Lower Upper

96 100

61 118.2 85.2 158.2

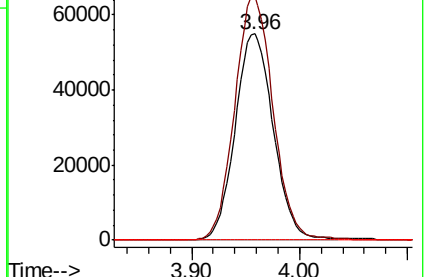
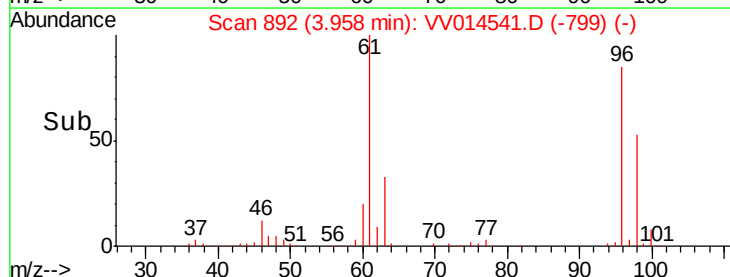
68 0.0 0.0 0.0

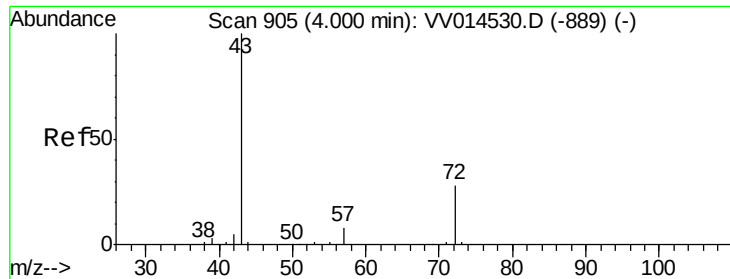


Abundance Ion 96.00 (95.70 to 96.70): VV014541.D (-799) (-)

Ion 61.00 (60.70 to 61.70): VV014541.D (-799) (-)

Ion 68.00 (67.70 to 68.70): VV014541.D (-799) (-)





#22

2-Butanone

Concen: 98.350 ug/L

RT: 4.00 min Scan# 905

Delta R.T. 0.00 min

Lab File: VV014541.D

Acq: 10 Feb 2020 10:28

Instrument :

MSVOA_V

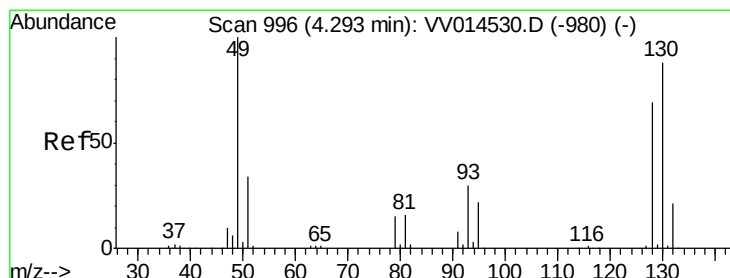
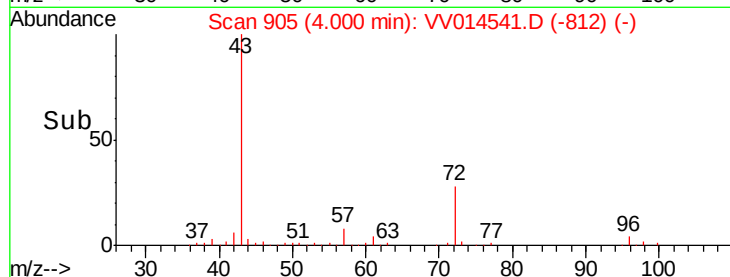
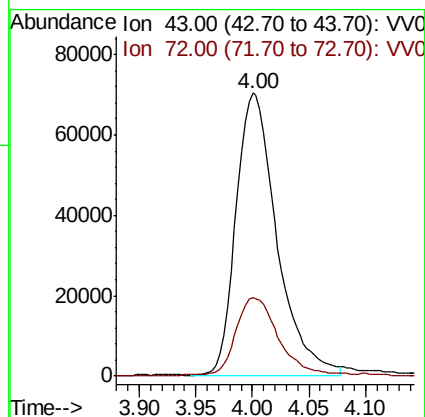
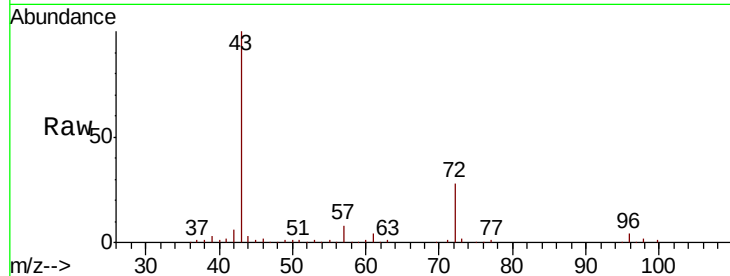
ClientSampleId :

Tot Ion: 43 Resp: 176503

Ion Ratio Lower Upper

43 100

72 0.1 12.7 38.1#



#23

Bromochloromethane

Concen: 52.306 ug/L

RT: 4.29 min Scan# 996

Delta R.T. 0.00 min

Lab File: VV014541.D

Acq: 10 Feb 2020 10:28

Tgt Ion:128 Resp: 65341

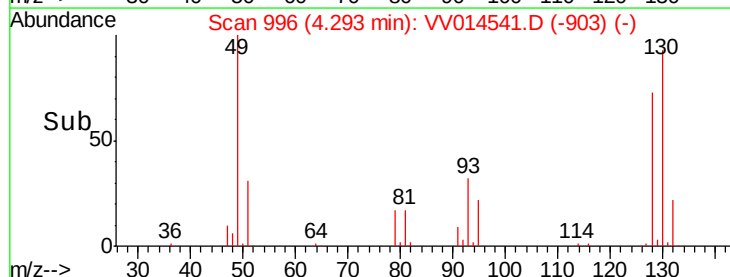
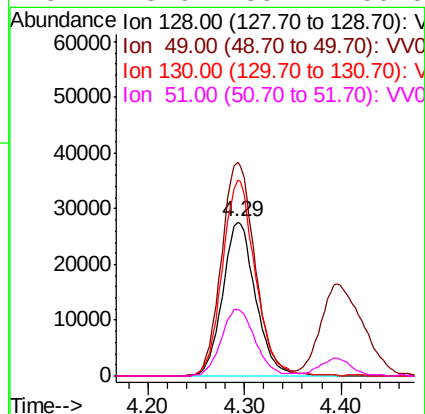
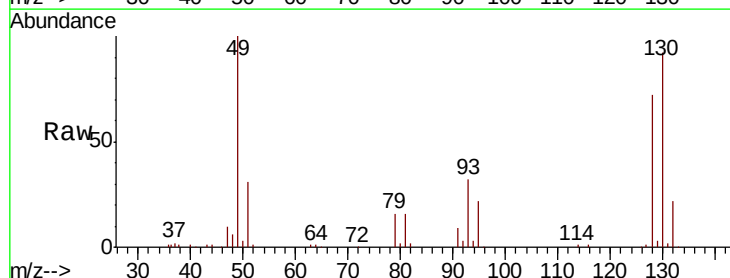
Ion Ratio Lower Upper

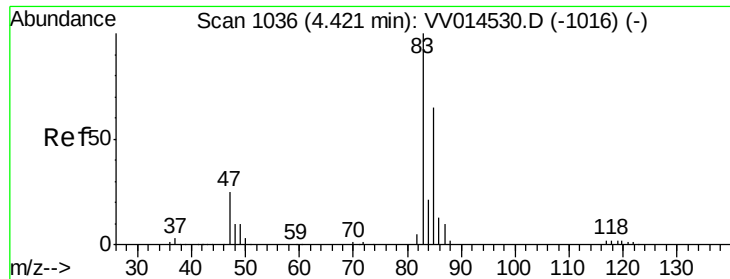
128 100

49 139.0 110.1 204.5

130 127.5 88.5 164.4

51 43.6 39.4 59.0

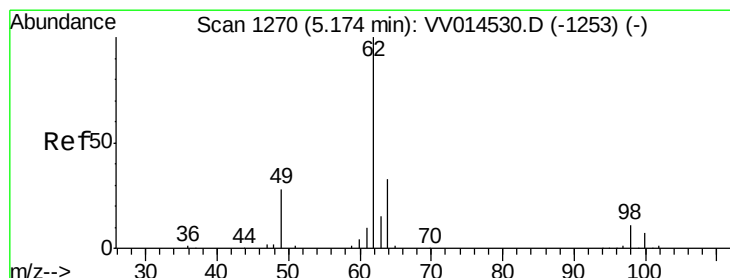
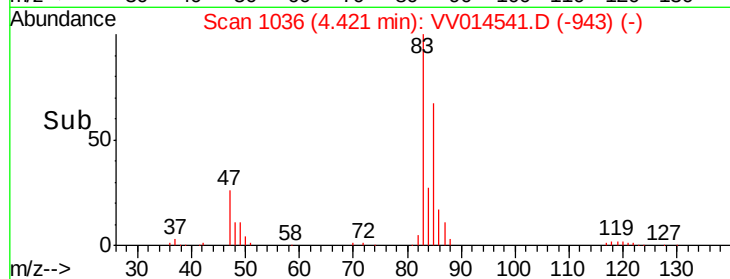
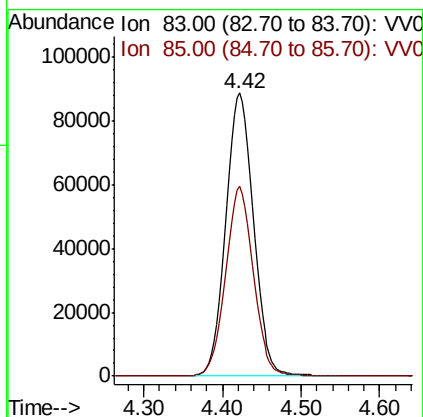
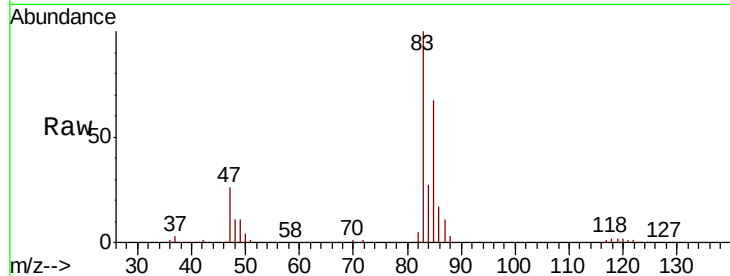




#25
Chloroform
Concen: 50.953 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. 0.00 min
Lab File: VV014541.D
Acq: 10 Feb 2020 10:28

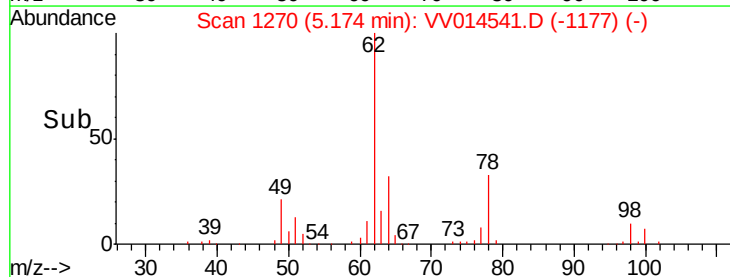
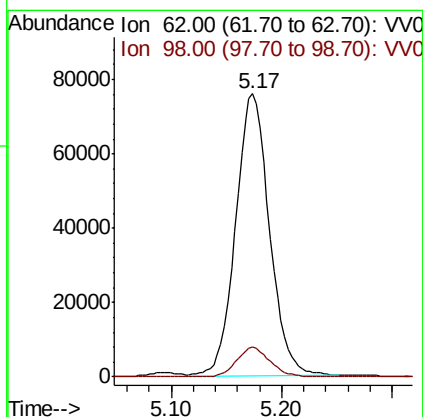
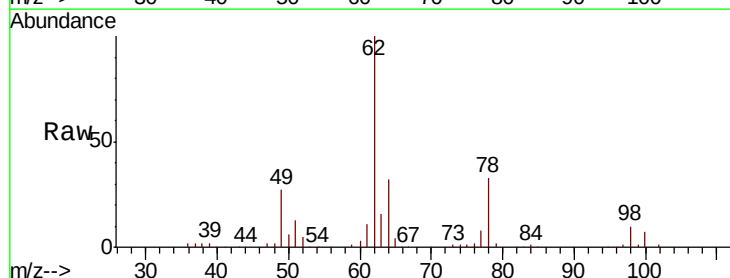
Instrument :
MSVOA_V
ClientSampleId :

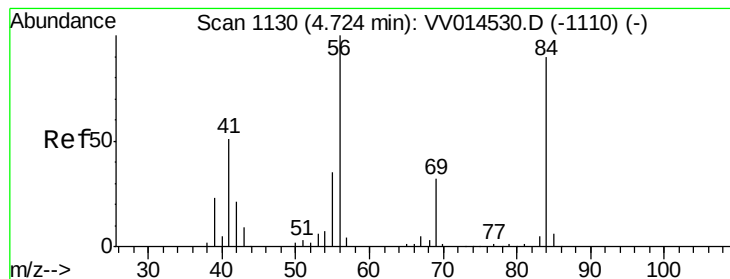
Tot Ion: 83 Resp: 217193
Ion Ratio Lower Upper
83 100
85 67.1 45.8 85.0



#27
1,2-Dichloroethane
Concen: 50.712 ug/L
RT: 5.17 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VV014541.D
Acq: 10 Feb 2020 10:28

Tgt Ion: 62 Resp: 161068
Ion Ratio Lower Upper
62 100
98 10.4 8.2 12.4





#29

Cyclohexane

Concen: 48.219 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VV014541.D

Acq: 10 Feb 2020 10:28

Instrument :
MSVOA_V
ClientSampled :

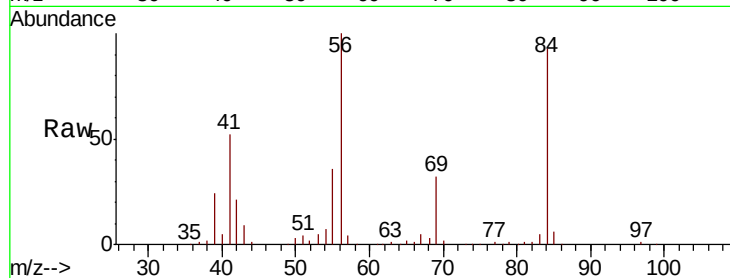
Tot Ion: 56 Resp: 190738

Ion Ratio Lower Upper

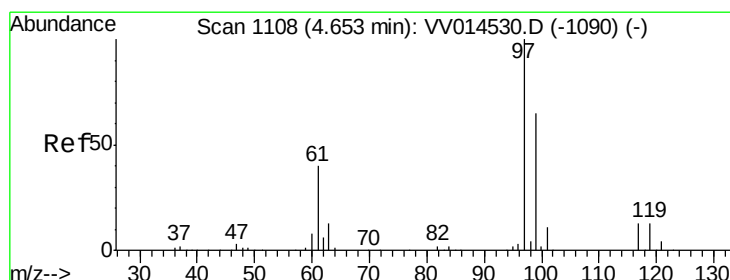
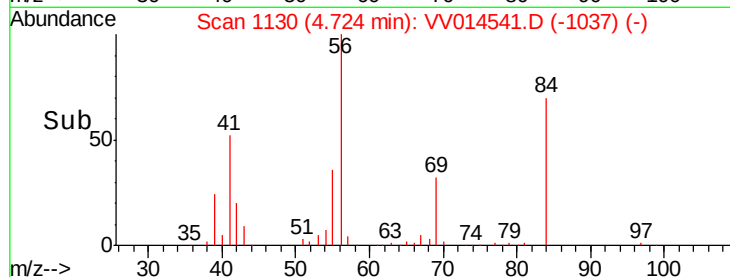
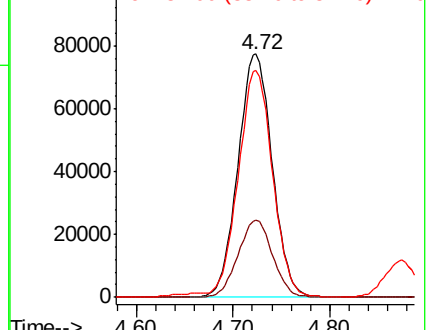
56 100

69 32.1 25.2 37.8

84 92.3 69.8 104.8



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



#30

1,1,1-Trichloroethane

Concen: 52.483 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VV014541.D

Acq: 10 Feb 2020 10:28

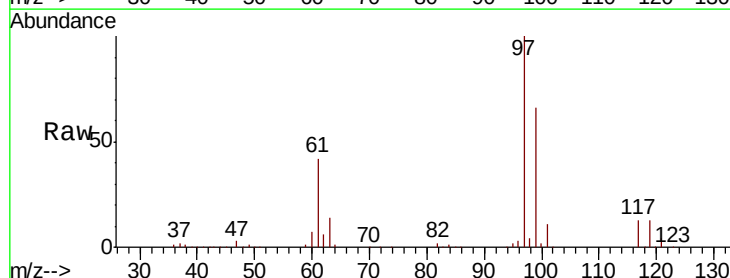
Tgt Ion: 97 Resp: 192707

Ion Ratio Lower Upper

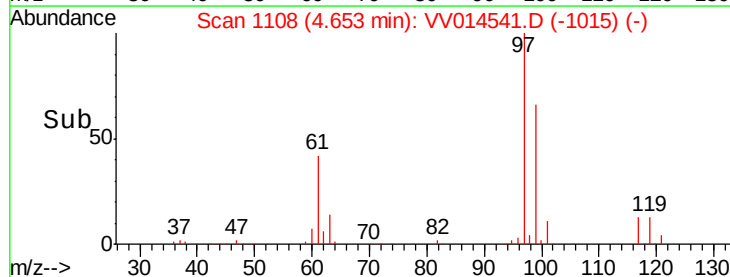
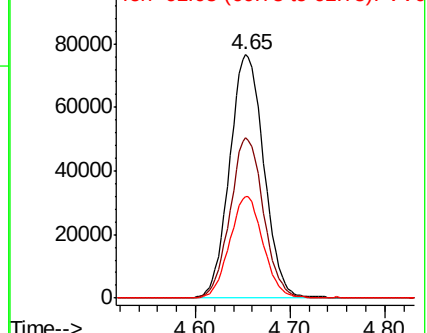
97 100

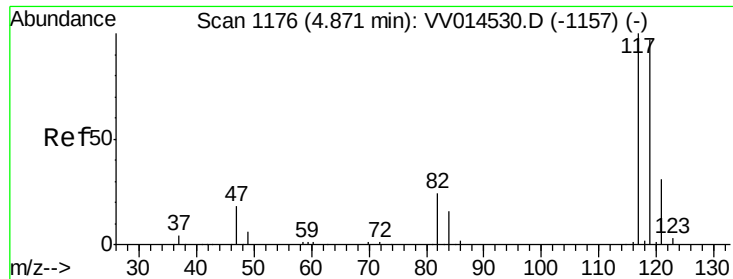
99 64.2 50.6 76.0

61 40.8 33.0 49.4



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0



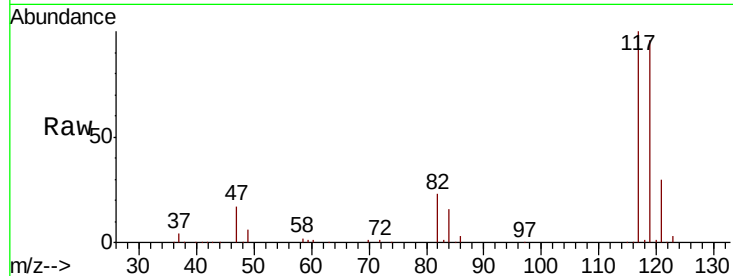


#31

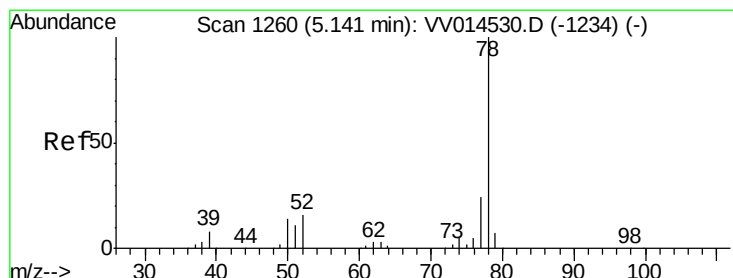
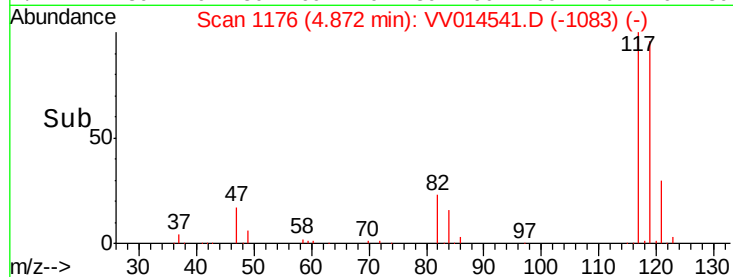
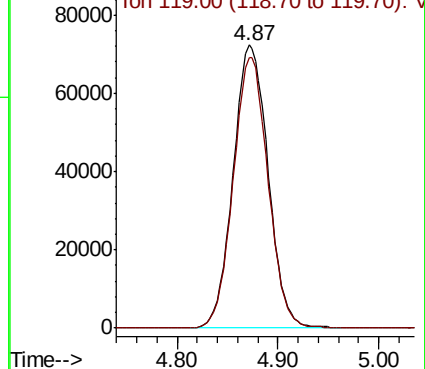
Carbon tetrachloride
Concen: 53.609 ug/L
RT: 4.87 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VV014541.D
Acq: 10 Feb 2020 10:28

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 173654
Ion Ratio Lower Upper
117 100
119 95.3 76.7 115.1



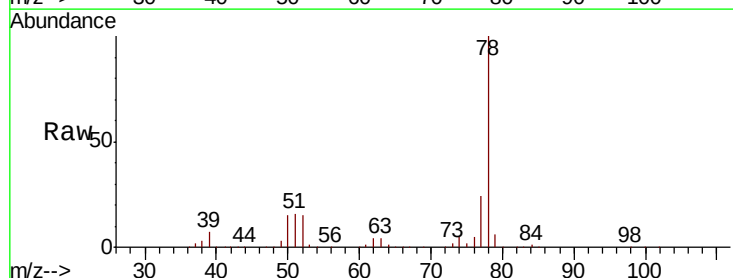
Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V



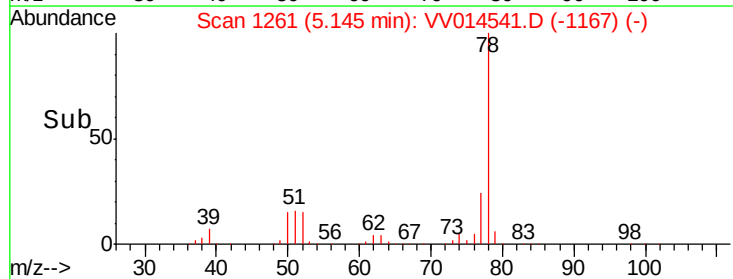
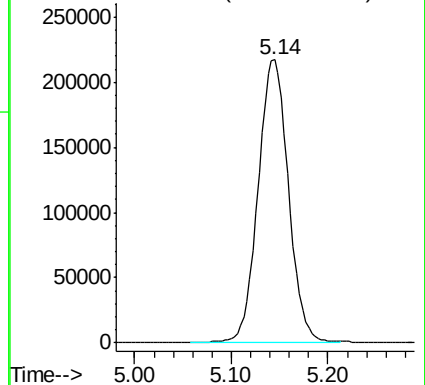
#33

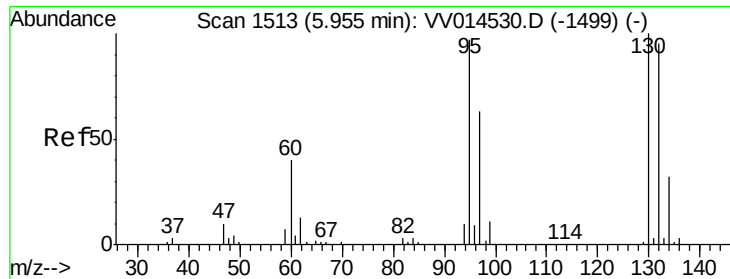
Benzene
Concen: 50.225 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VV014541.D
Acq: 10 Feb 2020 10:28

Tgt Ion: 78 Resp: 475052



Abundance Ion 78.00 (77.70 to 78.70): VV0

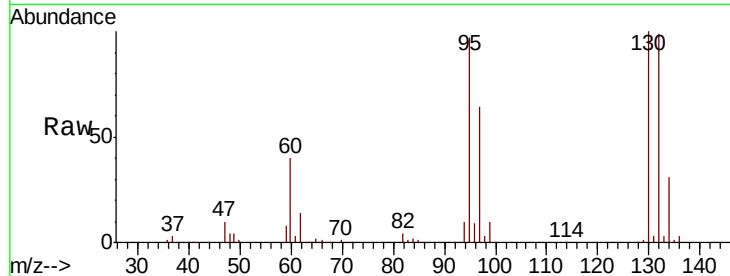




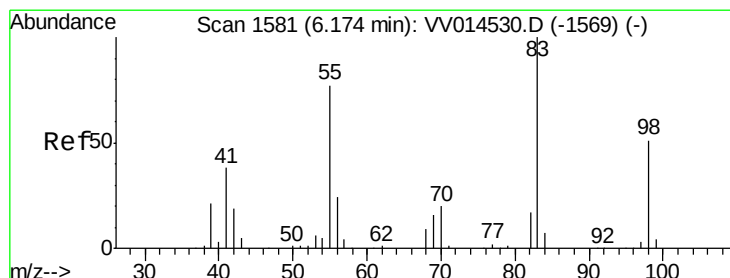
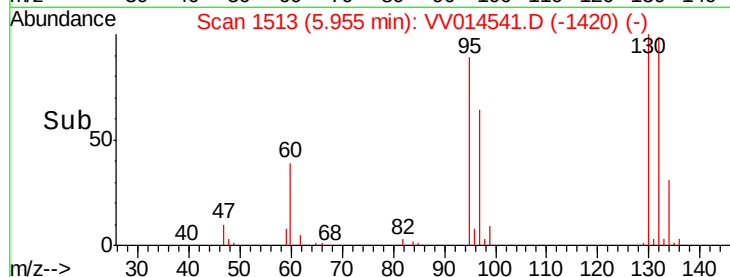
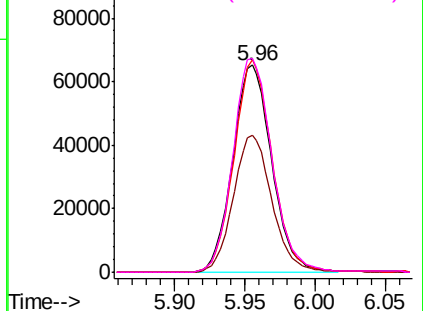
#34
 Trichloroethene
 Concen: 50.317 ug/L
 RT: 5.96 min Scan# 1513
 Delta R.T. 0.00 min
 Lab File: VV014541.D
 Acq: 10 Feb 2020 10:28

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 95 Resp: 126151
 Ion Ratio Lower Upper
 95 100
 97 66.2 45.1 83.7
 132 102.5 67.7 125.7
 130 103.2 70.5 130.9

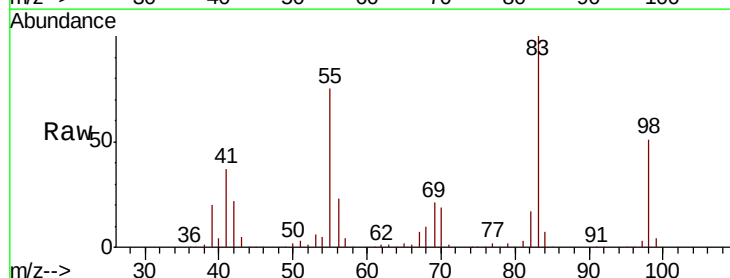


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

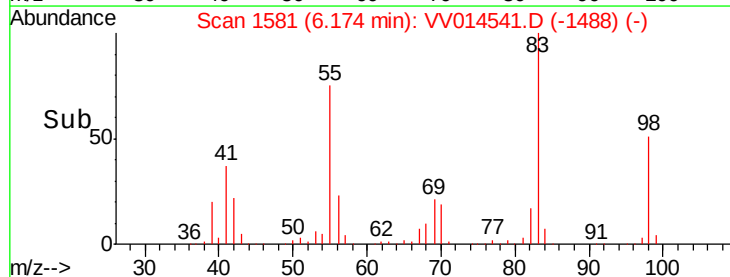
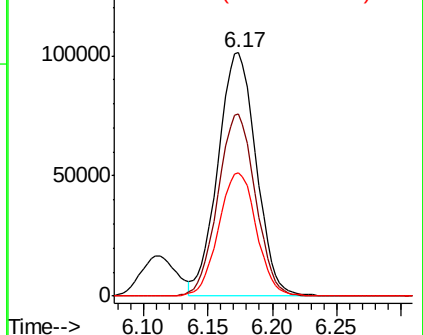


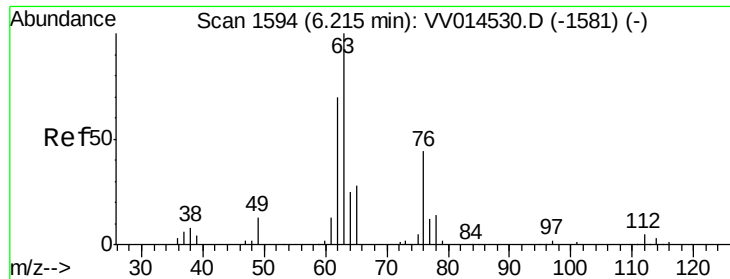
#35
 Methylcyclohexane
 Concen: 50.837 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: VV014541.D
 Acq: 10 Feb 2020 10:28

Tgt Ion: 83 Resp: 208280
 Ion Ratio Lower Upper
 83 100
 55 73.8 60.7 91.1
 98 50.4 39.4 59.0



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

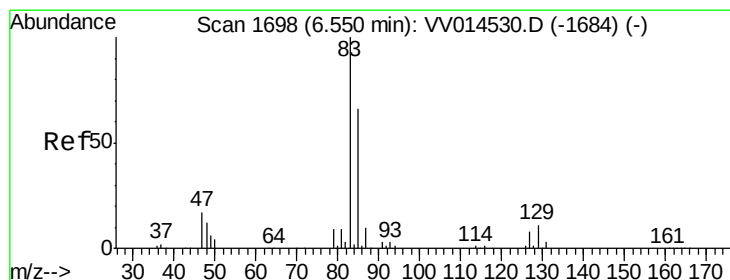
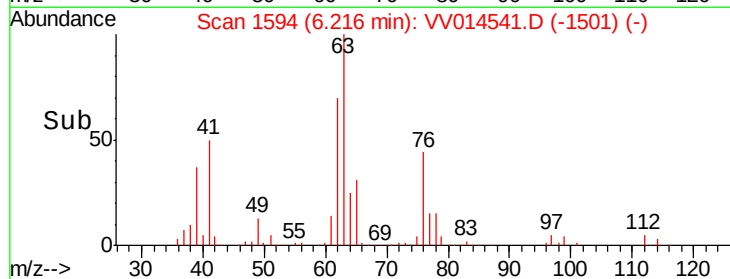
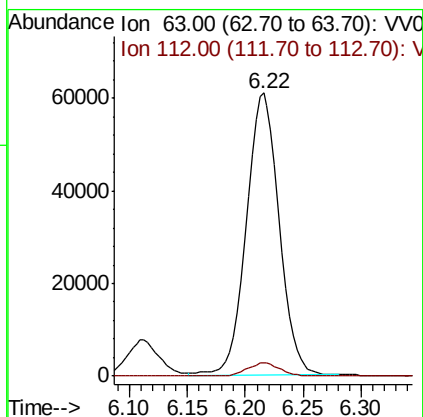
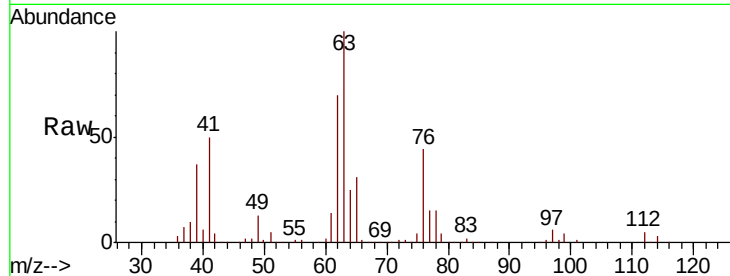




#37
 1,2-Dichloropropane
 Concen: 49.812 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. 0.00 min
 Lab File: VV014541.D
 Acq: 10 Feb 2020 10:28

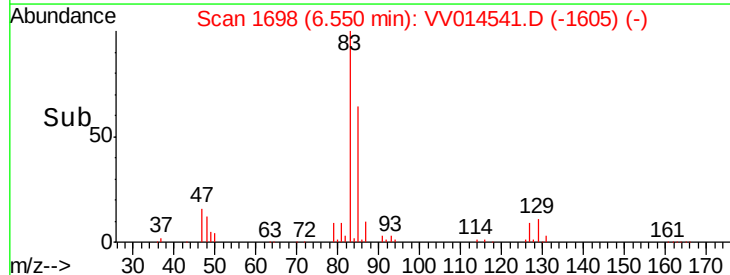
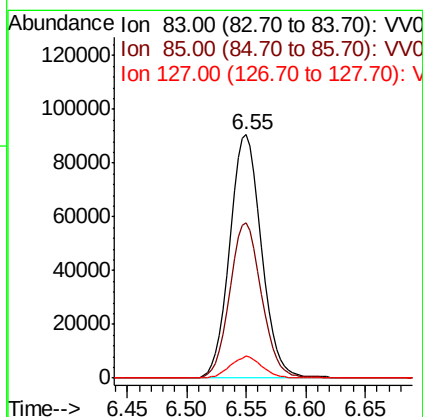
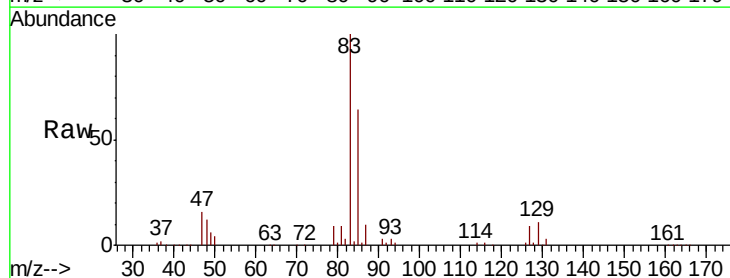
Instrument :
 MSVOA_V
 ClientSampleId :

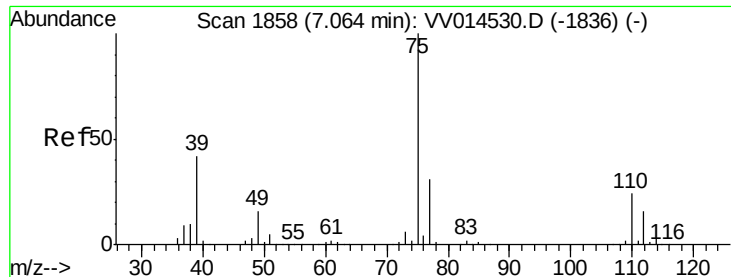
Tot Ion: 63 Resp: 120006
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.7 5.5



#38
 Bromodichloromethane
 Concen: 51.917 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VV014541.D
 Acq: 10 Feb 2020 10:28

Tgt Ion: 83 Resp: 167861
 Ion Ratio Lower Upper
 83 100
 85 63.7 44.4 82.4
 127 8.9 6.7 10.1

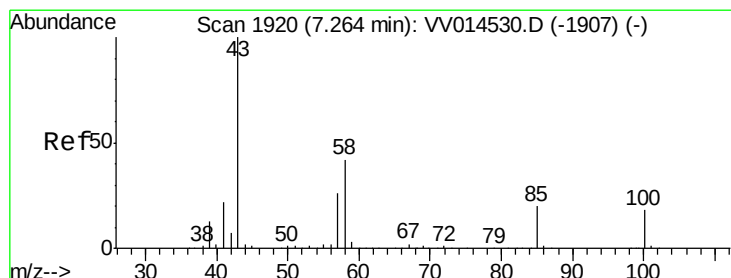
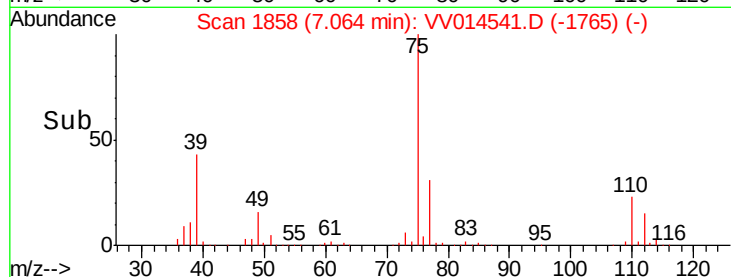
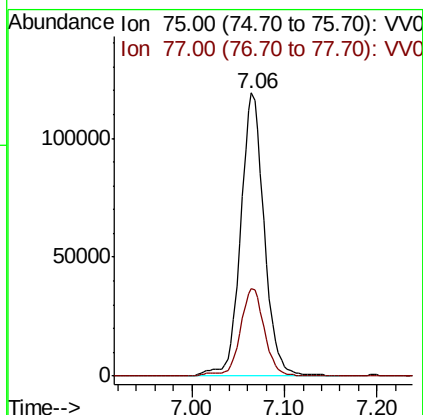
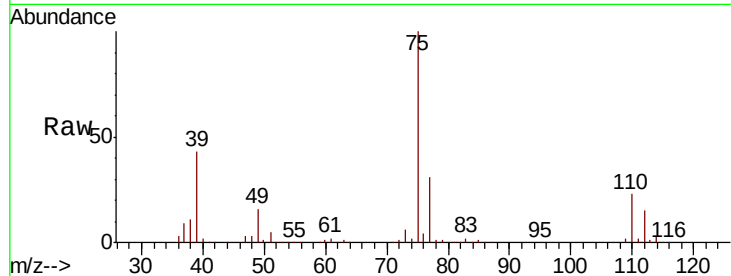




#39
 cis-1,3-Dichloropropene
 Concen: 52.174 ug/L
 RT: 7.06 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VV014541.D
 Acq: 10 Feb 2020 10:28

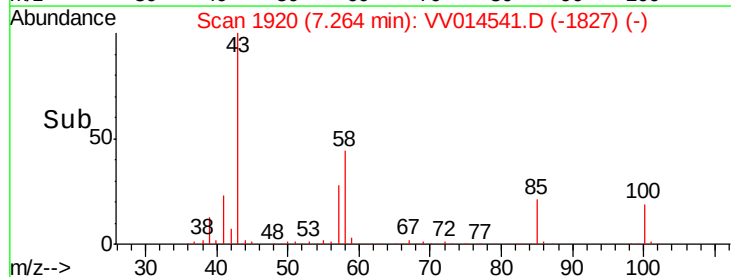
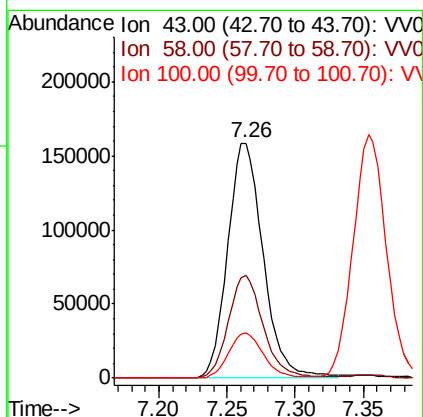
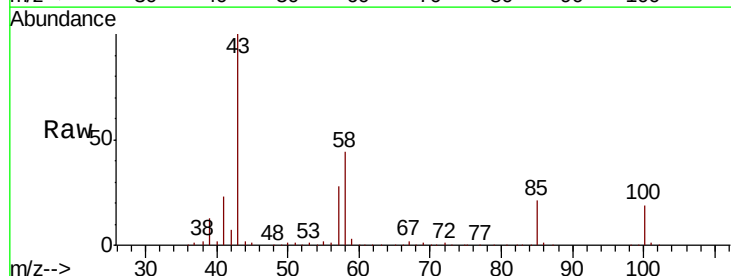
Instrument :
 MSVOA_V
 ClientSampled :

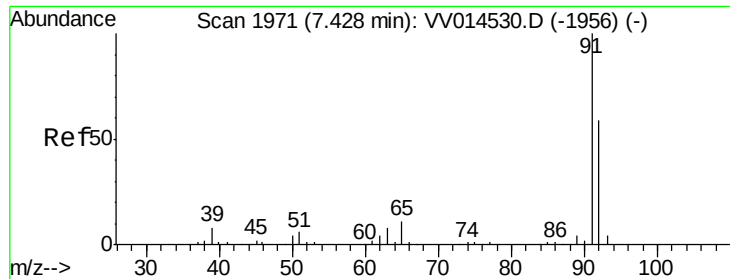
Tot Ion: 75 Resp: 209681
 Ion Ratio Lower Upper
 75 100
 77 31.1 22.7 42.1



#40
 4-Methyl-2-pentanone
 Concen: 92.118 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VV014541.D
 Acq: 10 Feb 2020 10:28

Tgt Ion: 43 Resp: 286793
 Ion Ratio Lower Upper
 43 100
 58 42.9 33.2 49.8
 100 18.7 13.9 20.9





#42

Toluene

Concen: 51.146 ug/L

RT: 7.42 min Scan# 1970

Delta R.T. -0.00 min

Lab File: VV014541.D

Acq: 10 Feb 2020 10:28

Instrument :

MSVOA_V

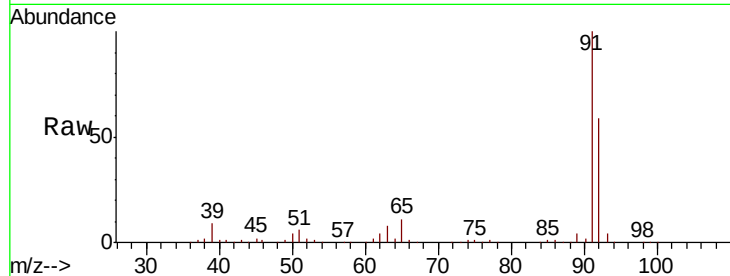
ClientSampleId :

Tot Ion: 91 Resp: 518679

Ion Ratio Lower Upper

91 100

92 59.5 41.6 77.2



Abundance Ion 91.00 (90.70 to 91.70): VV014530.D (-1956) (-)

Ion 92.00 (91.70 to 92.70): VV014530.D (-1956) (-)

7.42

300000

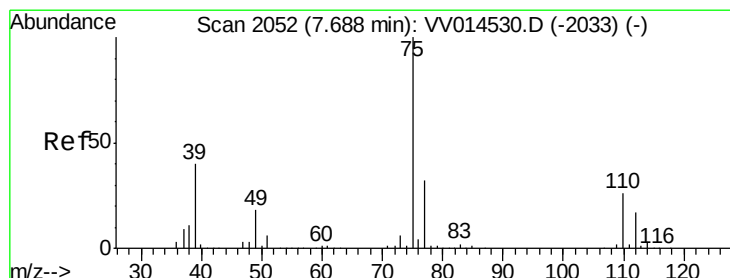
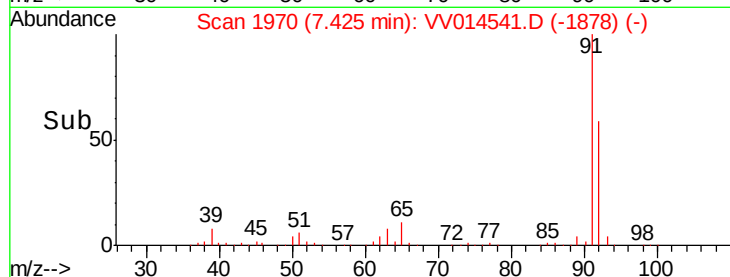
200000

100000

0

7.40 7.50

Time-->



#44

trans-1,3-Dichloropropene

Concen: 51.572 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. 0.00 min

Lab File: VV014541.D

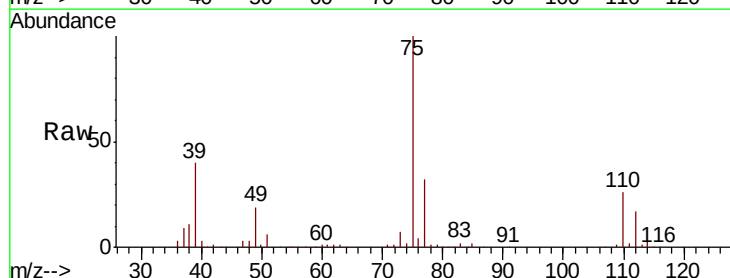
Acq: 10 Feb 2020 10:28

Tgt Ion: 75 Resp: 185835

Ion Ratio Lower Upper

75 100

77 31.5 22.2 41.2



Abundance Ion 75.00 (74.70 to 75.70): VV014530.D (-2033) (-)

Ion 77.00 (76.70 to 77.70): VV014530.D (-2033) (-)

7.69

120000

100000

80000

60000

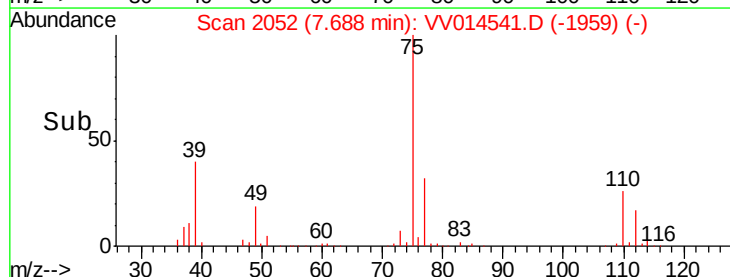
40000

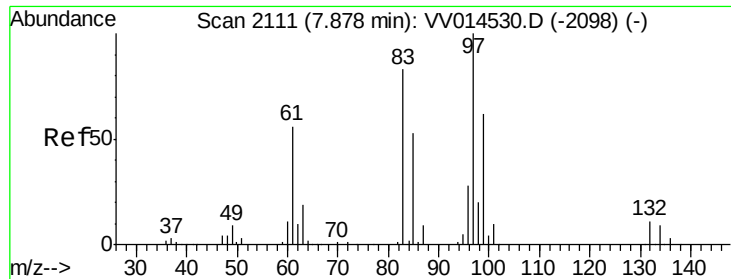
20000

0

7.60 7.70 7.80

Time-->

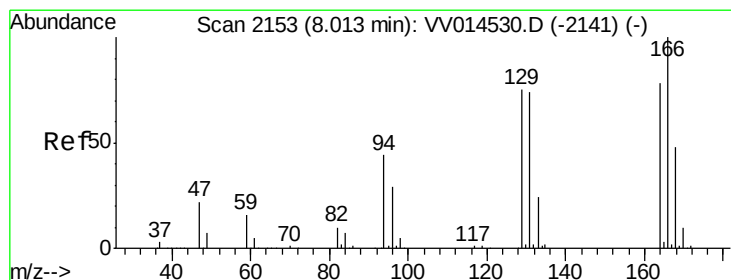
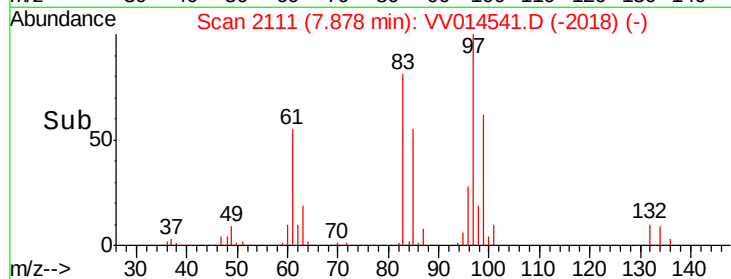
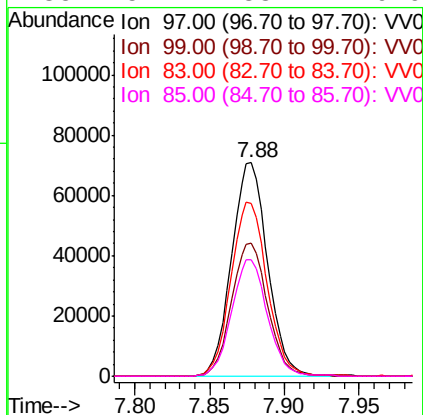
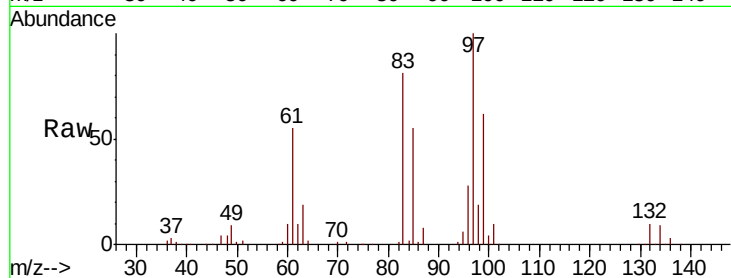




#45
1,1,2-Trichloroethane
Concen: 51.356 ug/L
RT: 7.88 min Scan# 2111
Delta R.T. 0.00 min
Lab File: VV014541.D
Acq: 10 Feb 2020 10:28

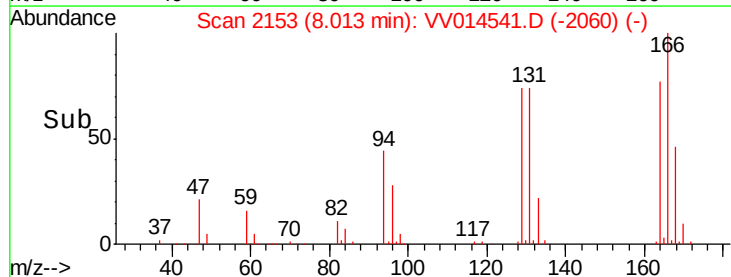
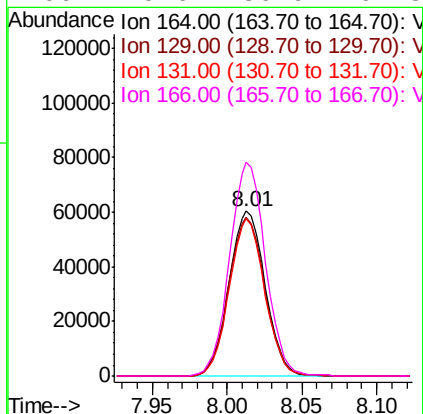
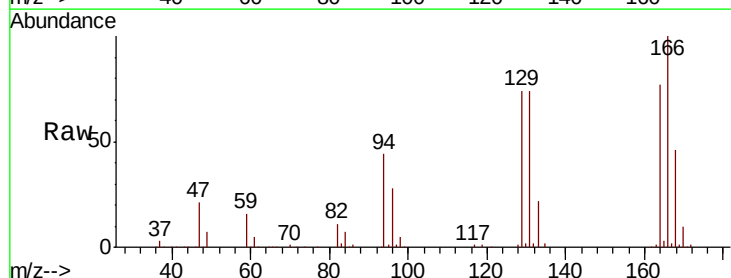
Instrument :
MSVOA_V
ClientSampled :

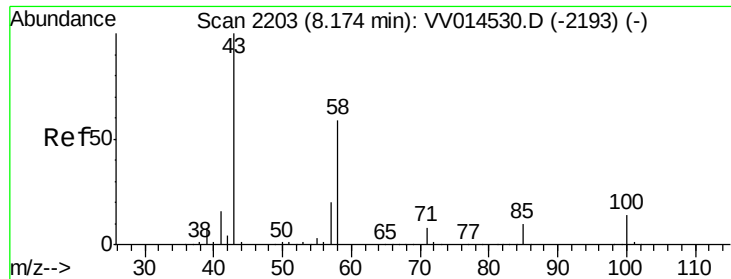
Tot Ion:	97	Resp:	118701
Ion	Ratio	Lower	Upper
97	100		
99	62.4	44.5	82.7
83	80.7	60.1	111.5
85	54.7	38.1	70.9



#46
Tetrachloroethene
Concen: 53.063 ug/L
RT: 8.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VV014541.D
Acq: 10 Feb 2020 10:28

Tgt Ion:	164	Resp:	101489
Ion	Ratio	Lower	Upper
164	100		
129	96.5	68.0	126.4
131	95.6	63.4	117.8
166	129.6	86.9	161.3

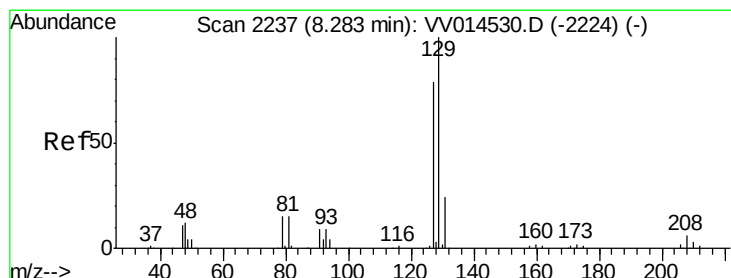
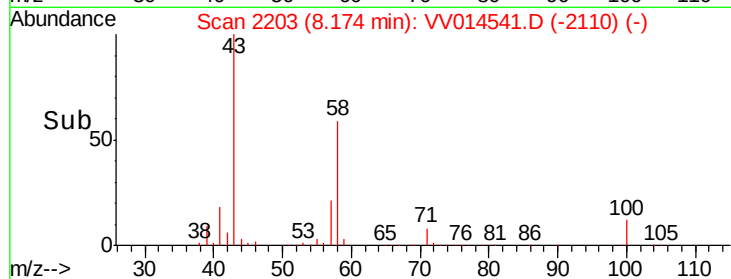
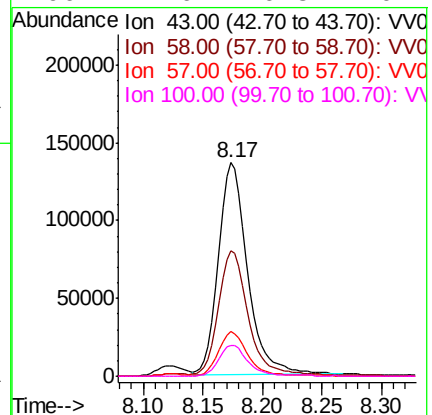
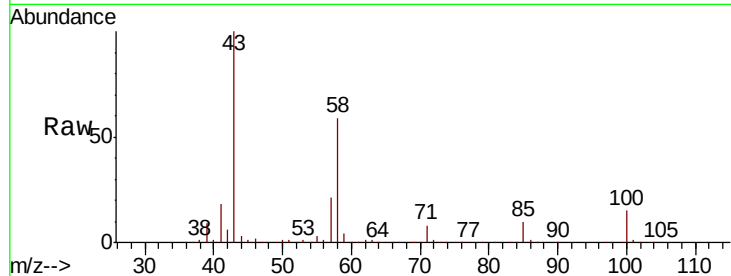




#48
2-Hexanone
Concen: 96.957 ug/L
RT: 8.17 min Scan# 2203
Delta R.T. 0.00 min
Lab File: VV014541.D
Acq: 10 Feb 2020 10:28

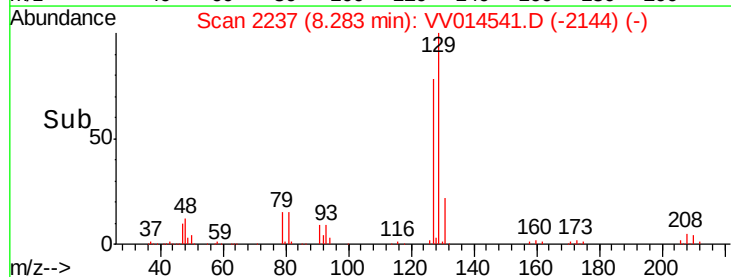
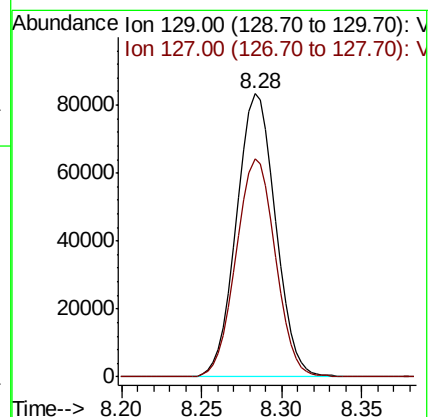
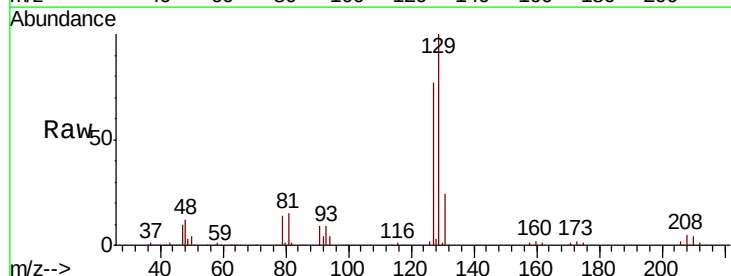
Instrument :
MSVOA_V
ClientSampleId :

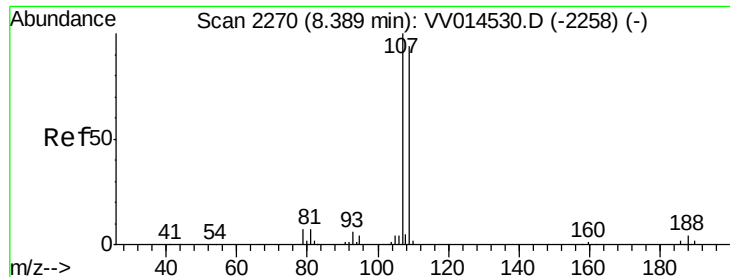
Tot Ion: 43 Resp: 232378
Ion Ratio Lower Upper
43 100
58 60.4 45.5 68.3
57 21.3 15.8 23.6
100 14.6 10.8 16.2



#49
Dibromochloromethane
Concen: 53.146 ug/L
RT: 8.28 min Scan# 2237
Delta R.T. 0.00 min
Lab File: VV014541.D
Acq: 10 Feb 2020 10:28

Tgt Ion: 129 Resp: 138684
Ion Ratio Lower Upper
129 100
127 76.9 54.1 100.5

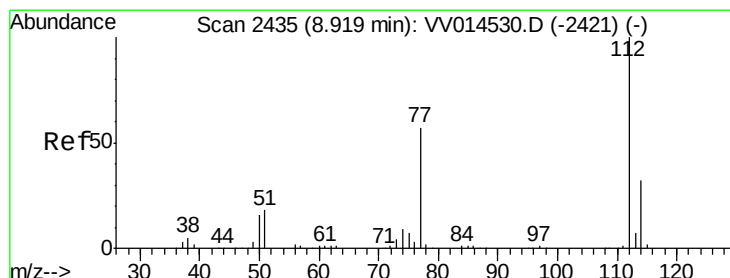
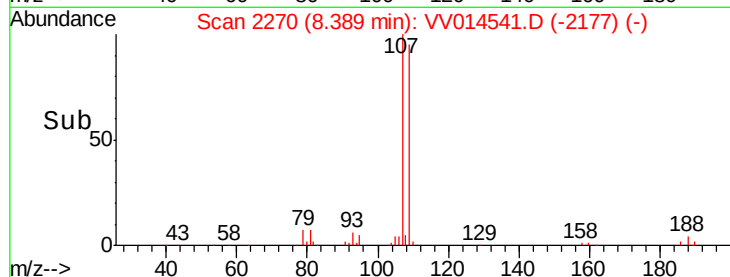
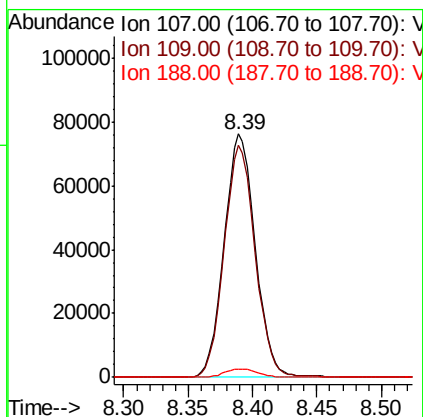
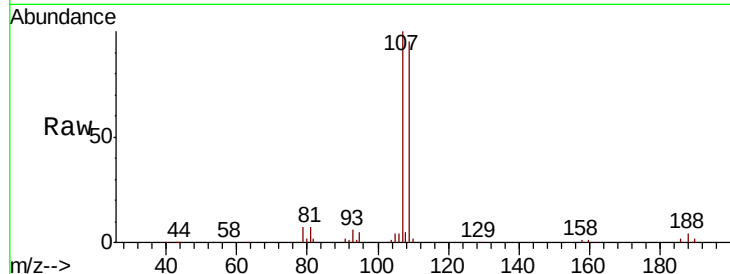




#50
1,2-Dibromoethane
Concen: 50.973 ug/L
RT: 8.39 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VV014541.D
Acq: 10 Feb 2020 10:28

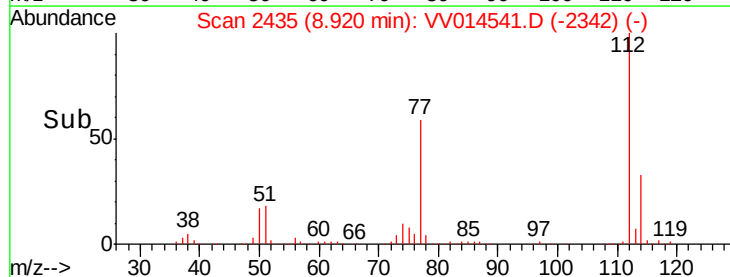
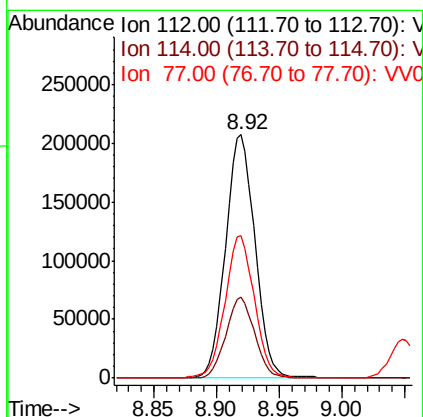
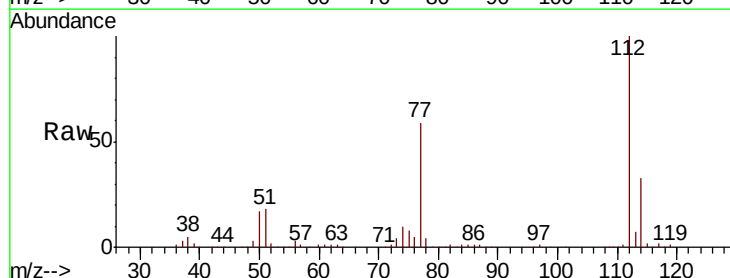
Instrument :
MSVOA_V
ClientSampled :

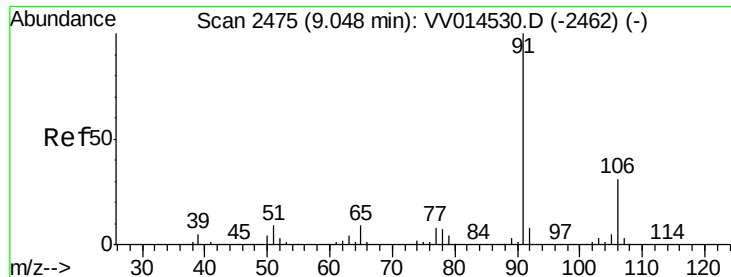
Tot Ion	Ratio	Lower	Upper
107	100		
109	95.2	65.2	121.2
188	3.6	2.6	4.0



#51
Chlorobenzene
Concen: 51.289 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. 0.00 min
Lab File: VV014541.D
Acq: 10 Feb 2020 10:28

Tgt Ion	Ratio	Lower	Upper
112	100		
114	33.1	22.3	41.5
77	58.6	47.3	70.9





#52

Ethylbenzene

Concen: 51.683 ug/L

RT: 9.05 min Scan# 2475

Delta R.T. 0.00 min

Lab File: VV014541.D

Acq: 10 Feb 2020 10:28

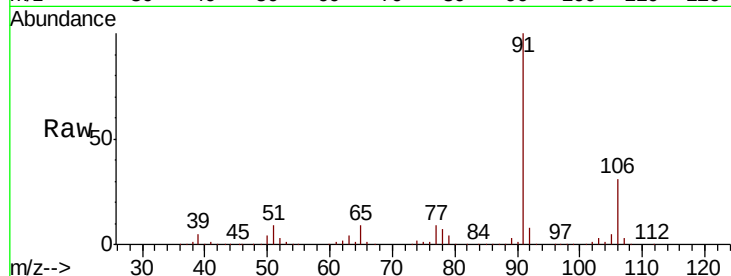
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 587778

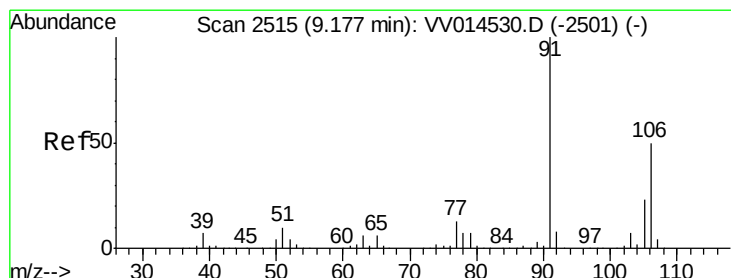
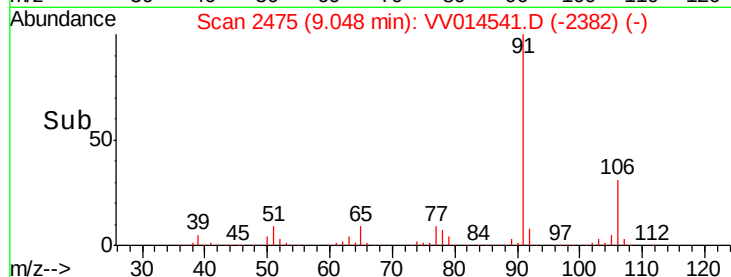
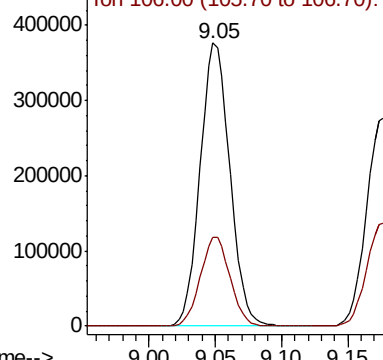
Ion Ratio Lower Upper

91 100

106 31.3 21.5 39.9



Abundance Ion 91.00 (90.70 to 91.70): VV014530.D (-2462) (-)



#53

m,p-Xylene

Concen: 51.698 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV014541.D

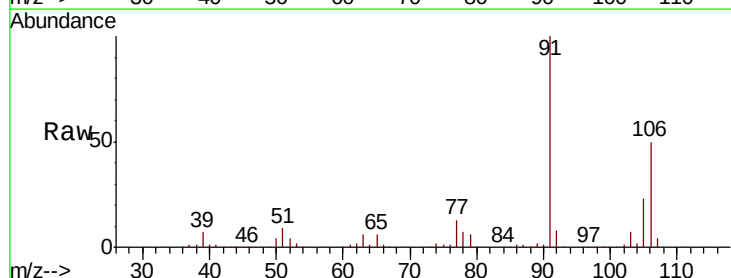
Acq: 10 Feb 2020 10:28

Tgt Ion: 106 Resp: 226472

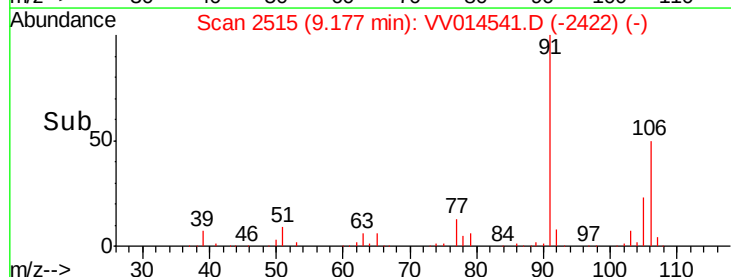
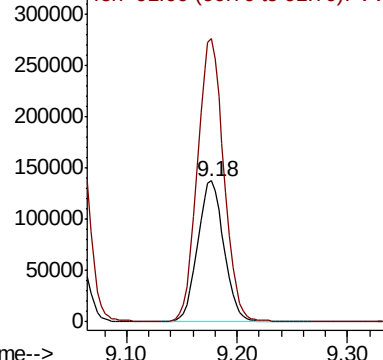
Ion Ratio Lower Upper

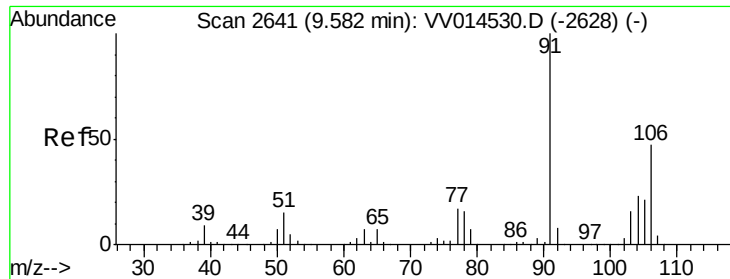
106 100

91 200.7 141.4 262.6



Abundance Ion 106.00 (105.70 to 106.70): VV014530.D (-2501) (-)

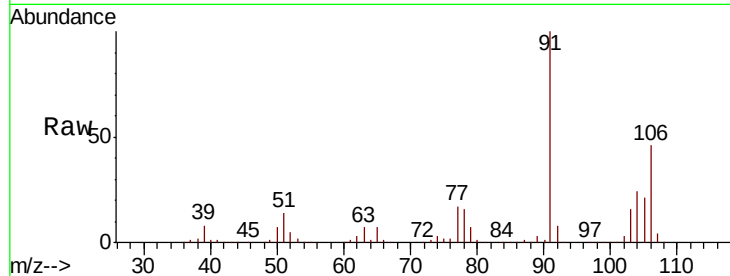




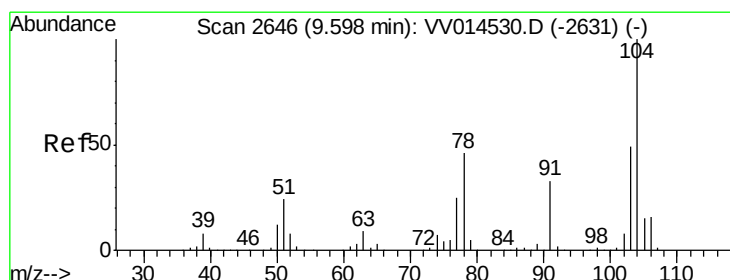
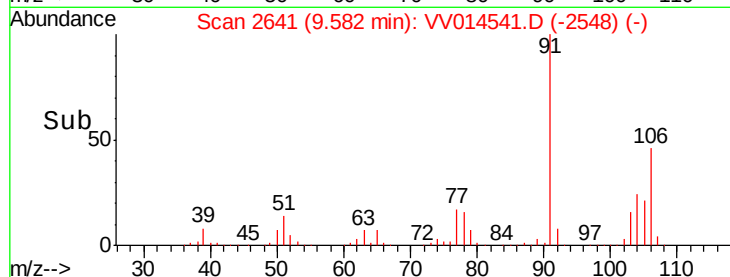
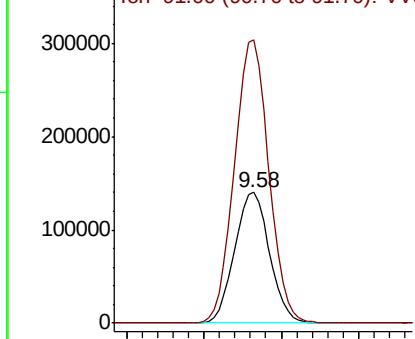
#54
o-Xylene
Concen: 52.214 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV014541.D
Acq: 10 Feb 2020 10:28

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 218928
Ion Ratio Lower Upper
106 100
91 216.6 149.4 277.4

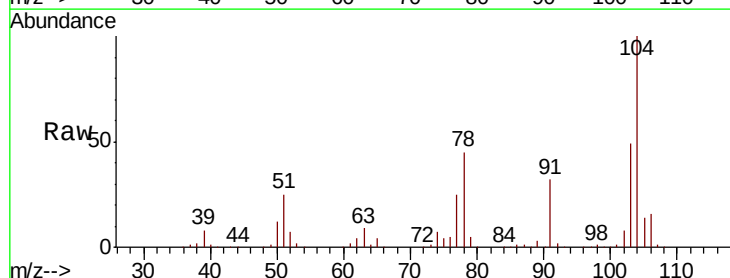


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

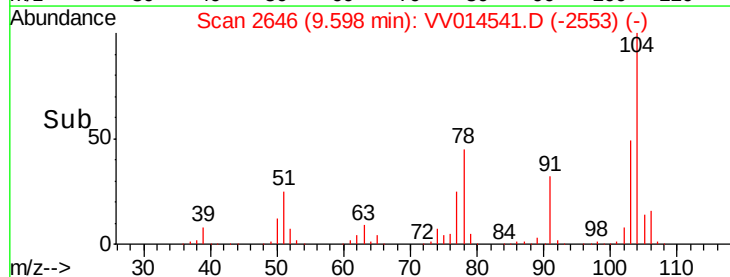
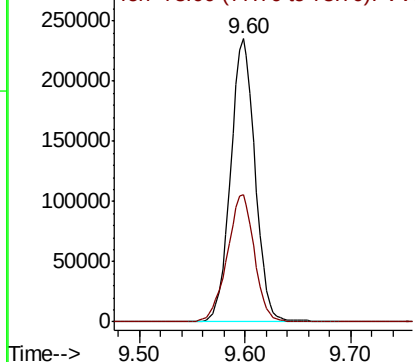


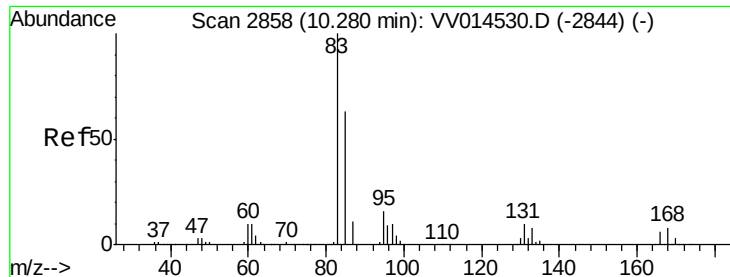
#55
Styrene
Concen: 52.681 ug/L
RT: 9.60 min Scan# 2646
Delta R.T. 0.00 min
Lab File: VV014541.D
Acq: 10 Feb 2020 10:28

Tgt Ion:104 Resp: 377517
Ion Ratio Lower Upper
104 100
78 45.0 31.6 58.8



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





#57

1,1,2,2-Tetrachloroethane

Concen: 50.409 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV014541.D

Acq: 10 Feb 2020 10:28

Instrument :

MSVOA_V

ClientSampled :

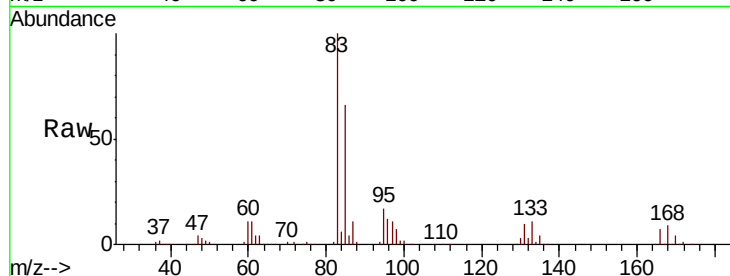
Tot Ion: 83 Resp: 182609

Ion Ratio Lower Upper

83 100

85 66.0 45.2 84.0

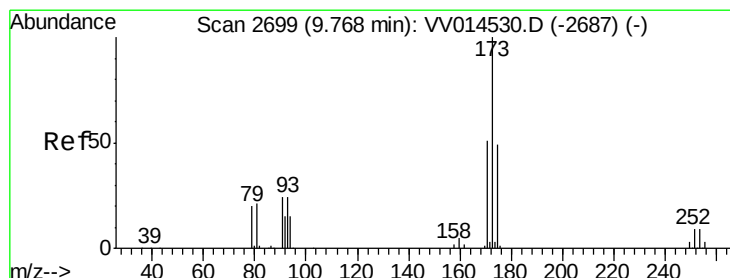
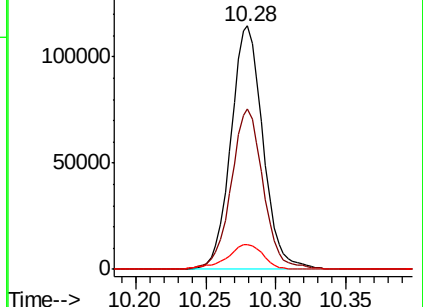
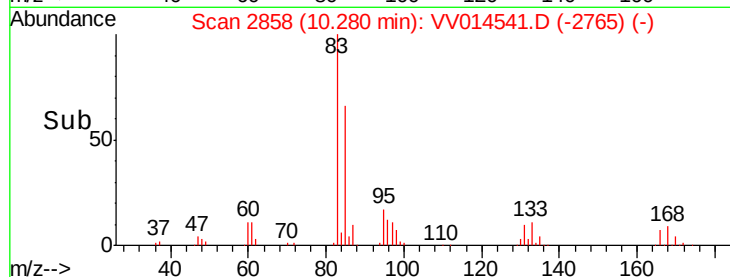
131 10.3 7.8 11.8



Abundance Ion 83.00 (82.70 to 83.70): VV014541.D (-2765) (-)

Ion 85.00 (84.70 to 85.70): VV014541.D (-2765) (-)

Ion 131.00 (130.70 to 131.70): VV014541.D (-2765) (-)



#59

Bromoform

Concen: 53.460 ug/L

RT: 9.77 min Scan# 2699

Delta R.T. 0.00 min

Lab File: VV014541.D

Acq: 10 Feb 2020 10:28

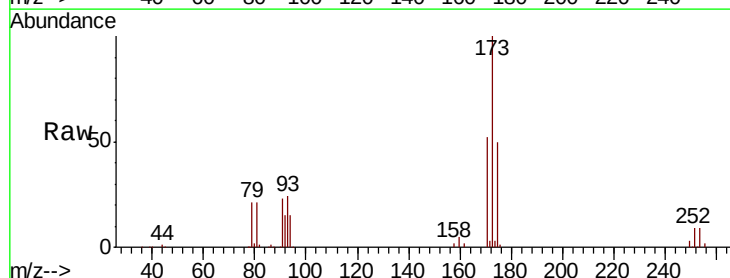
Tgt Ion: 173 Resp: 96935

Ion Ratio Lower Upper

173 100

175 49.2 37.8 56.8

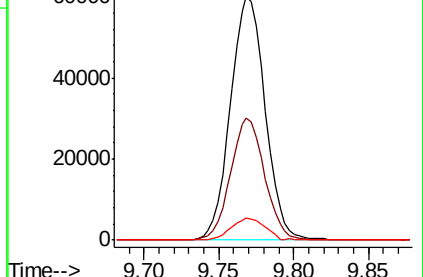
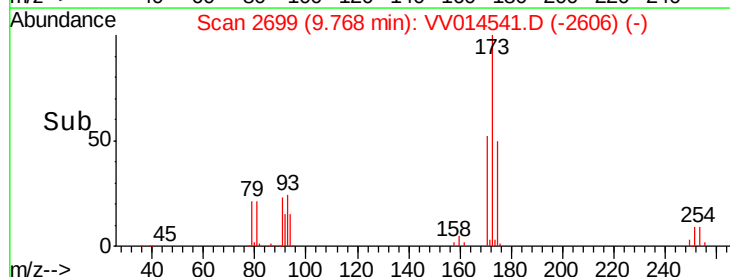
254 8.6 7.0 10.6

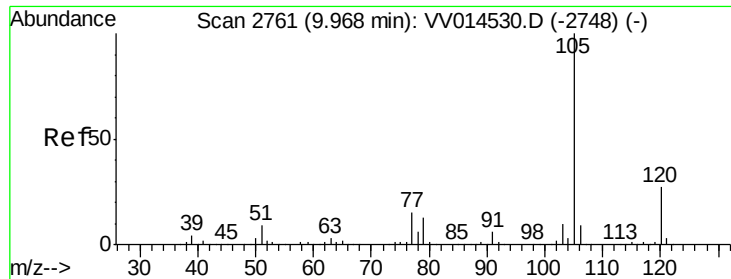


Abundance Ion 173.00 (172.70 to 173.70): VV014541.D (-2606) (-)

Ion 175.00 (174.70 to 175.70): VV014541.D (-2606) (-)

Ion 254.00 (253.70 to 254.70): VV014541.D (-2606) (-)





#60

Isopropylbenzene

Concen: 52.774 ug/L

RT: 9.97 min Scan# 2761

Delta R.T. 0.00 min

Lab File: VV014541.D

Acq: 10 Feb 2020 10:28

Instrument :

MSVOA_V

ClientSampleId :

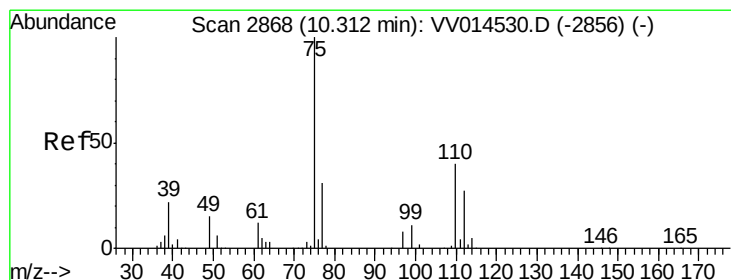
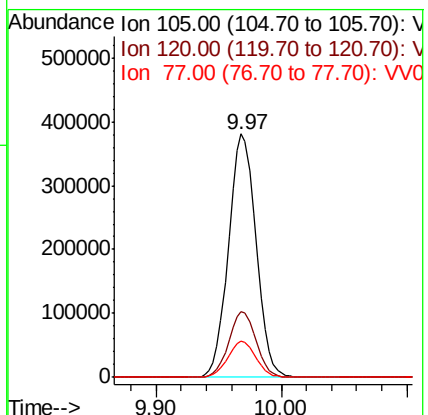
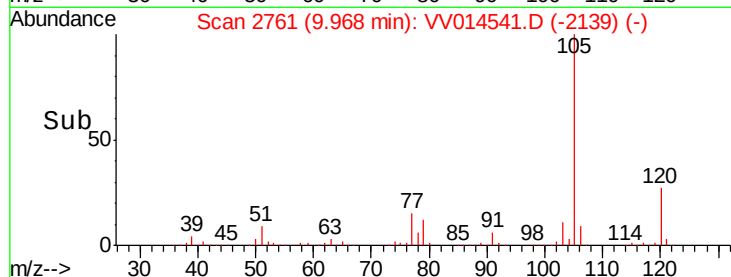
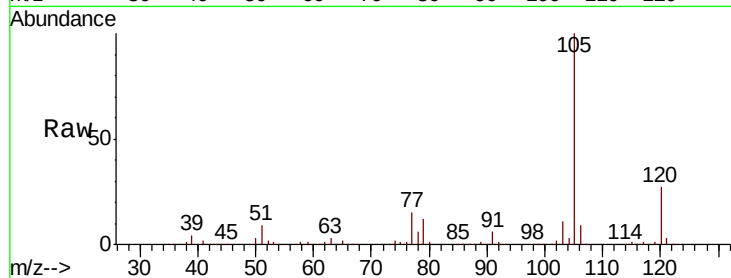
Tot Ion:105 Resp: 580177

Ion Ratio Lower Upper

105 100

120 26.7 21.5 32.3

77 15.1 12.2 18.4



#61

1,2,3-Trichloropropane

Concen: 49.801 ug/L

RT: 10.31 min Scan# 2868

Delta R.T. 0.00 min

Lab File: VV014541.D

Acq: 10 Feb 2020 10:28

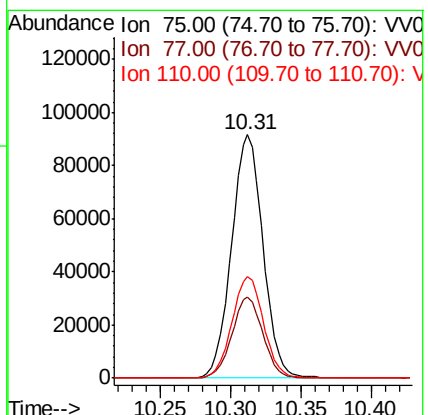
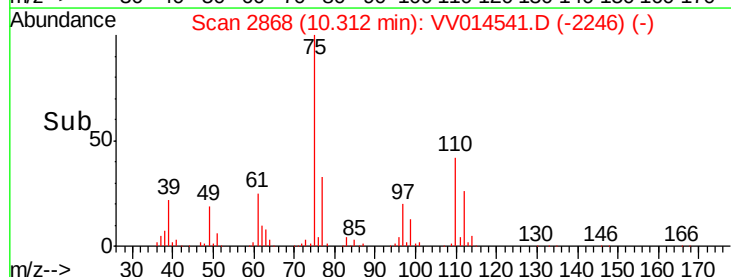
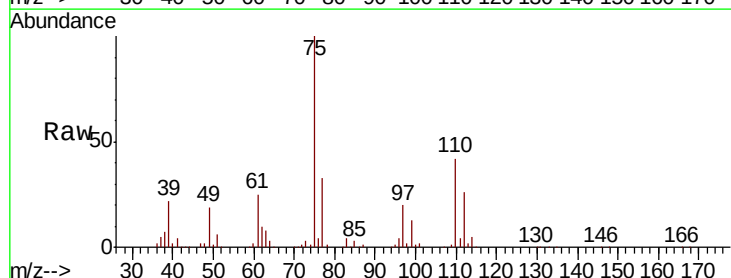
Tgt Ion: 75 Resp: 143380

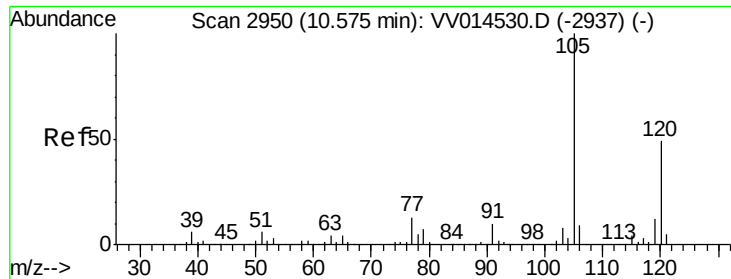
Ion Ratio Lower Upper

75 100

77 32.8 25.8 38.8

110 42.2 32.4 48.6

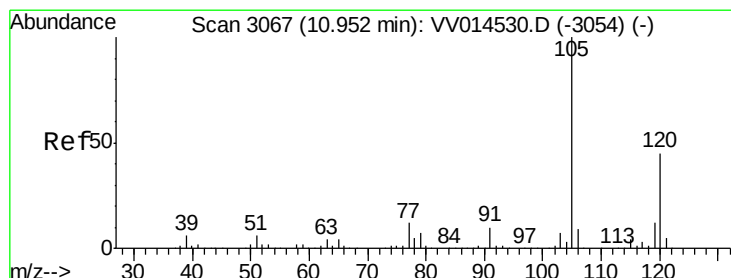
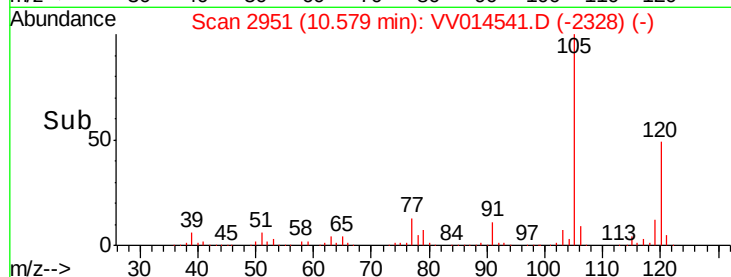
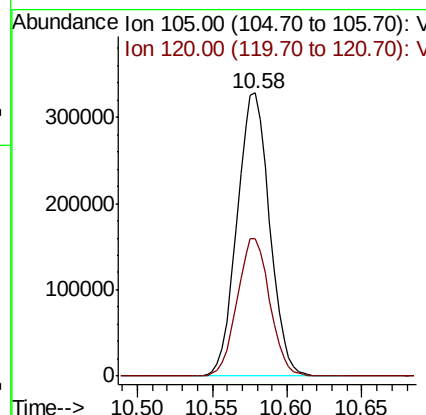
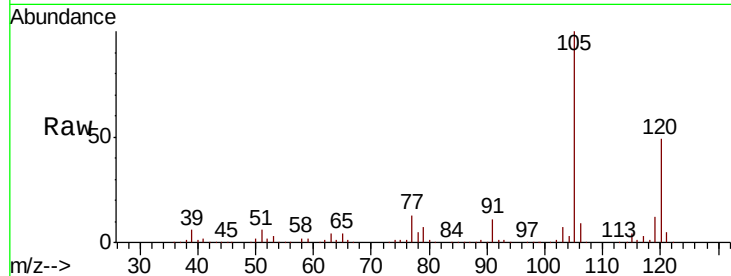




#62
 1,3,5-Trimethylbenzene
 Concen: 52.851 ug/L
 RT: 10.58 min Scan# 2951
 Delta R.T. 0.00 min
 Lab File: VV014541.D
 Acq: 10 Feb 2020 10:28

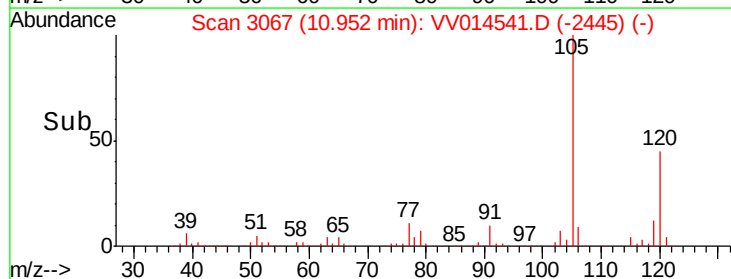
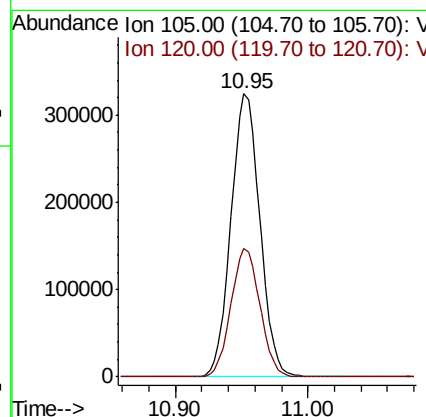
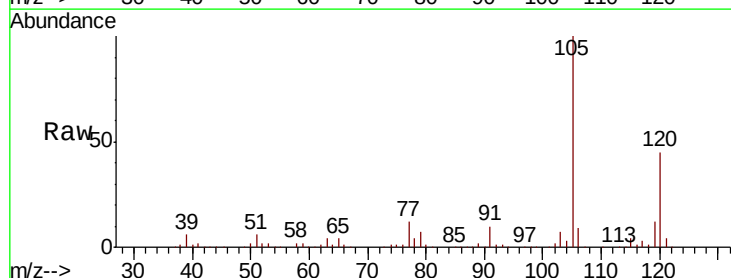
Instrument :
 MSVOA_V
 ClientSampled :

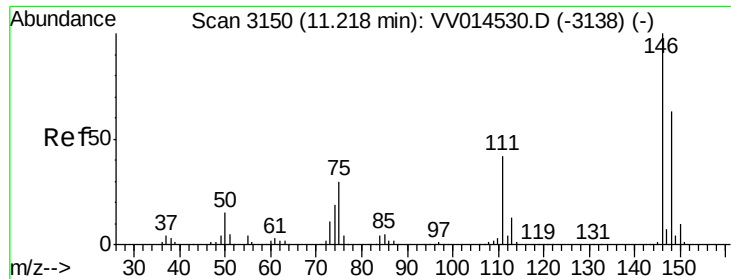
Tot Ion:105 Resp: 497412
 Ion Ratio Lower Upper
 105 100
 120 48.7 39.0 58.6



#63
 1,2,4-Trimethylbenzene
 Concen: 52.961 ug/L
 RT: 10.95 min Scan# 3067
 Delta R.T. 0.00 min
 Lab File: VV014541.D
 Acq: 10 Feb 2020 10:28

Tgt Ion:105 Resp: 491386
 Ion Ratio Lower Upper
 105 100
 120 45.6 36.2 54.4

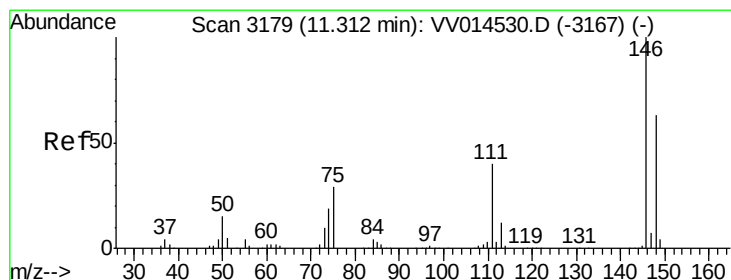
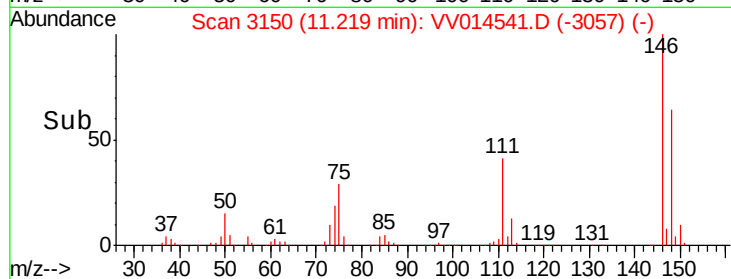
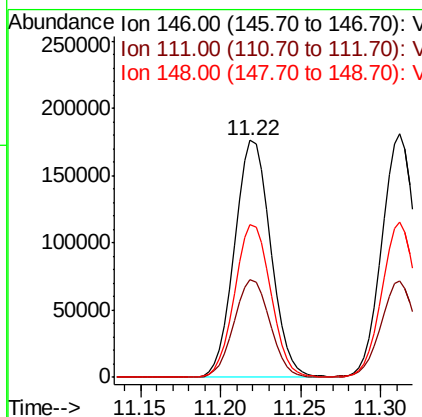
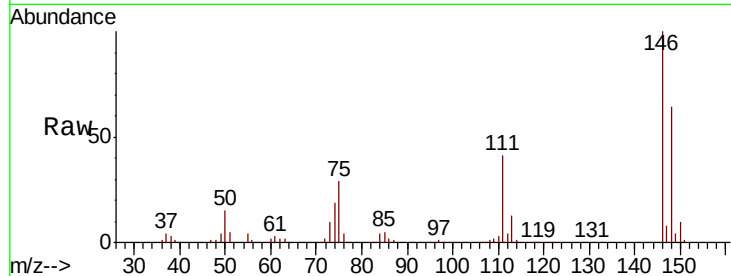




#64
 1,3-Dichlorobenzene
 Concen: 52.324 ug/L
 RT: 11.22 min Scan# 3150
 Delta R.T. 0.00 min
 Lab File: VV014541.D
 Acq: 10 Feb 2020 10:28

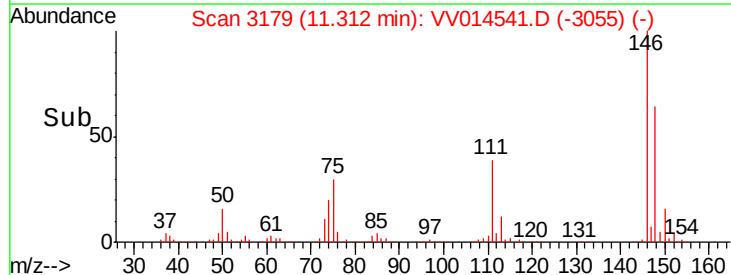
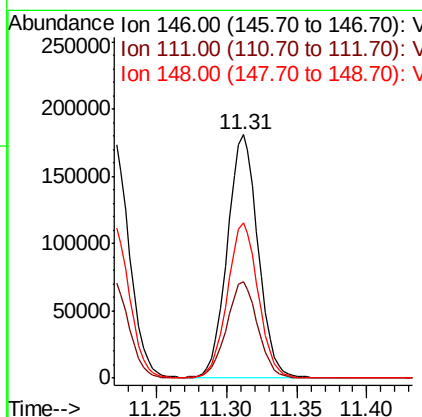
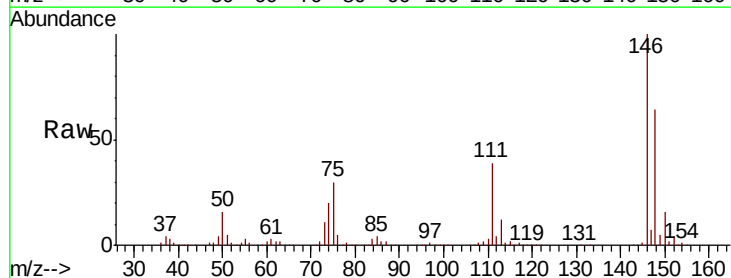
Instrument :
 MSVOA_V
 ClientSampled :

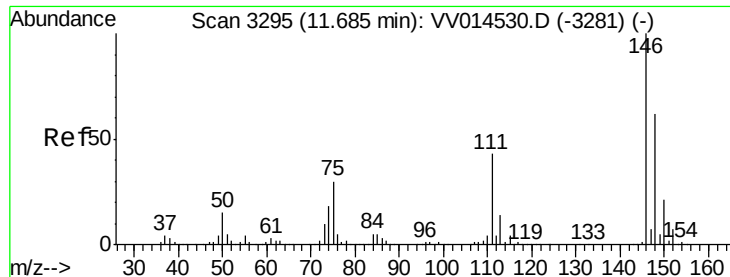
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	28.9	53.7
148	64.4	44.4	82.5



#65
 1,4-Dichlorobenzene
 Concen: 51.396 ug/L
 RT: 11.31 min Scan# 3179
 Delta R.T. 0.00 min
 Lab File: VV014541.D
 Acq: 10 Feb 2020 10:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.5	28.1	52.3
148	63.6	44.4	82.4

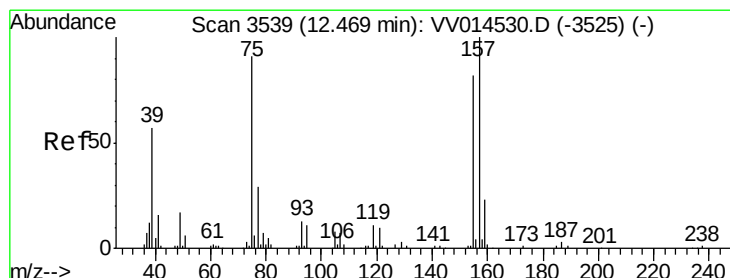
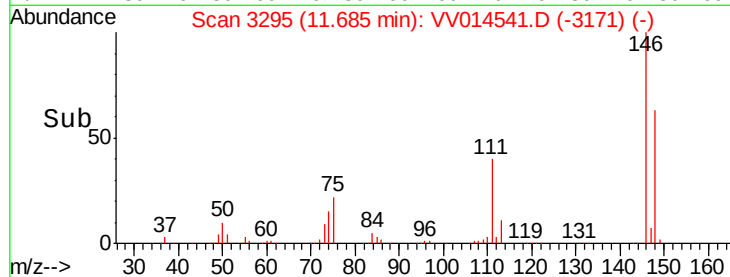
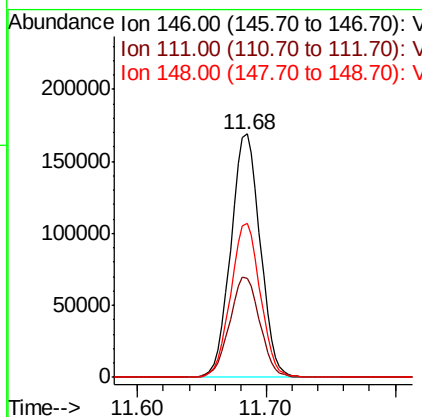
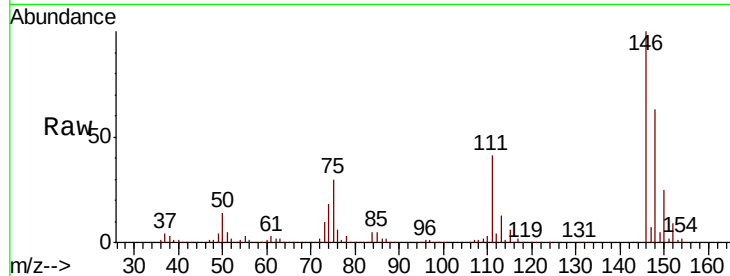




#67
 1,2-Dichlorobenzene
 Concen: 53.179 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV014541.D
 Acq: 10 Feb 2020 10:28

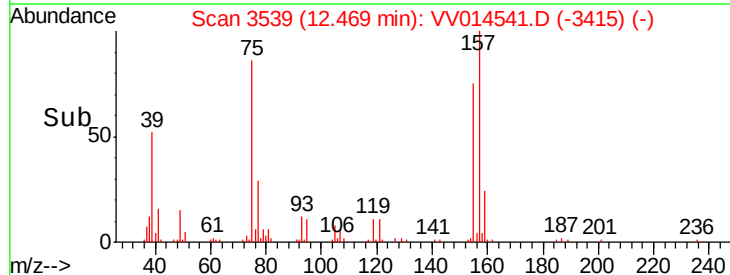
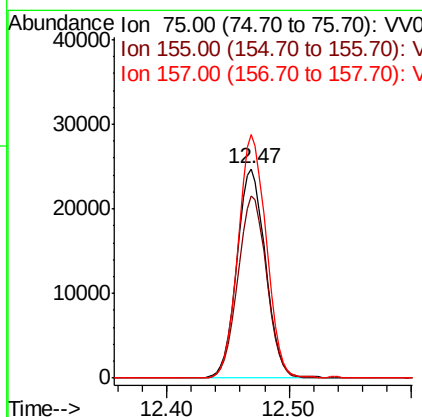
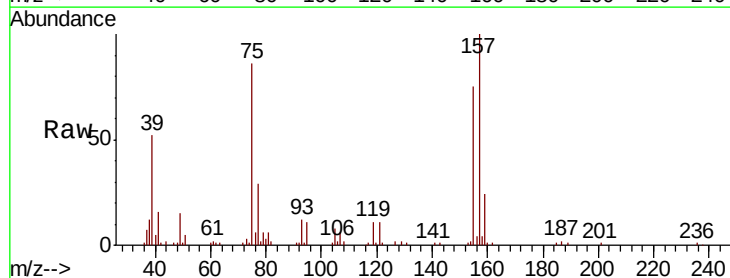
Instrument :
 MSVOA_V
 ClientSampleId :

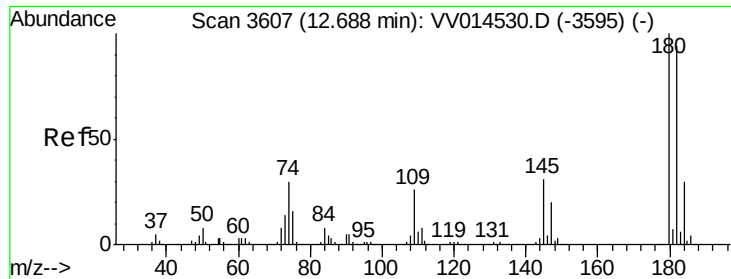
Tot Ion:146 Resp: 267369
 Ion Ratio Lower Upper
 146 100
 111 40.8 34.6 51.8
 148 63.1 50.2 75.4



#68
 1,2-Dibromo-3-chloropropane
 Concen: 49.865 ug/L
 RT: 12.47 min Scan# 3539
 Delta R.T. 0.00 min
 Lab File: VV014541.D
 Acq: 10 Feb 2020 10:28

Tgt Ion: 75 Resp: 40204
 Ion Ratio Lower Upper
 75 100
 155 86.8 68.3 102.5
 157 116.3 87.1 130.7

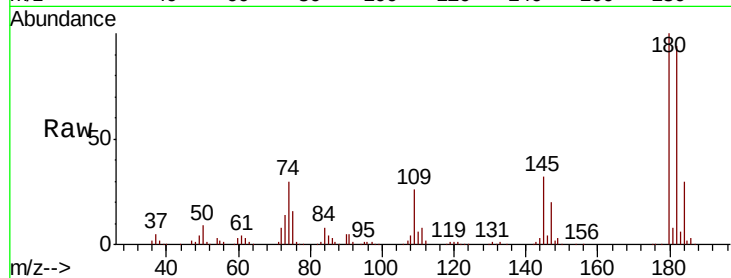




#69
 1,3,5-Trichlorobenzene
 Concen: 53.932 ug/L
 RT: 12.68 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VV014541.D
 Acq: 10 Feb 2020 10:28

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	75.0	112.4
184	30.0	24.2	36.2
145	31.9	24.3	36.5



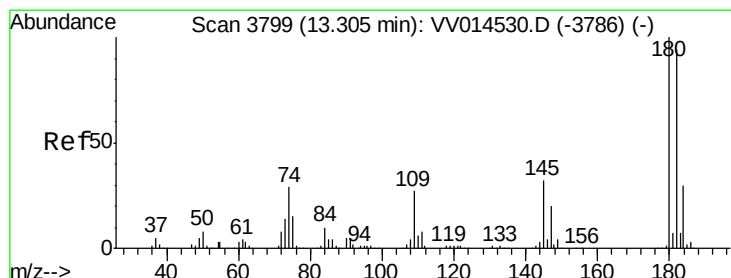
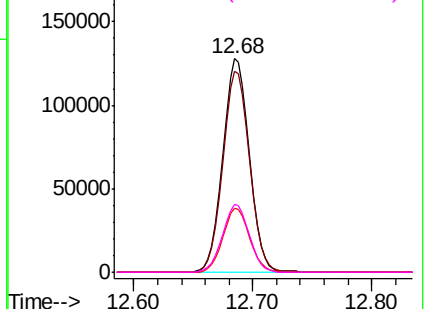
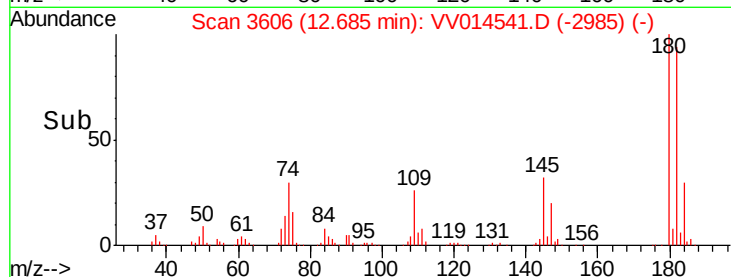
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

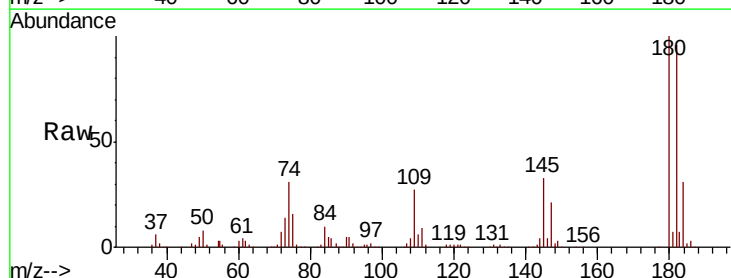
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 53.945 ug/L
 RT: 13.30 min Scan# 3798
 Delta R.T. -0.00 min
 Lab File: VV014541.D
 Acq: 10 Feb 2020 10:28

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	76.0	114.0
145	32.0	25.3	37.9

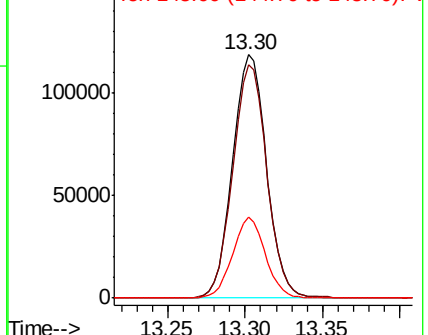
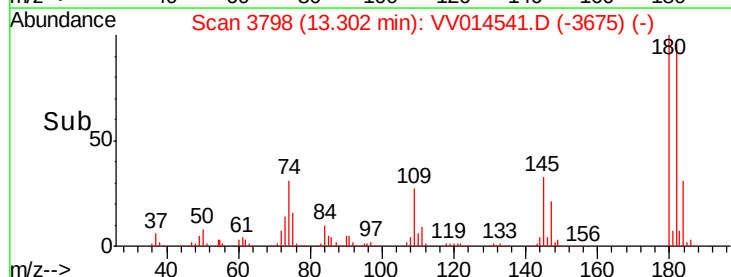


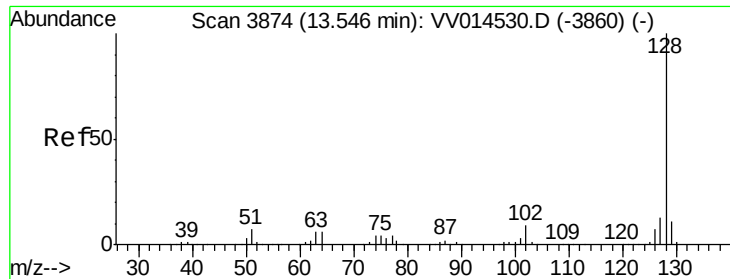
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

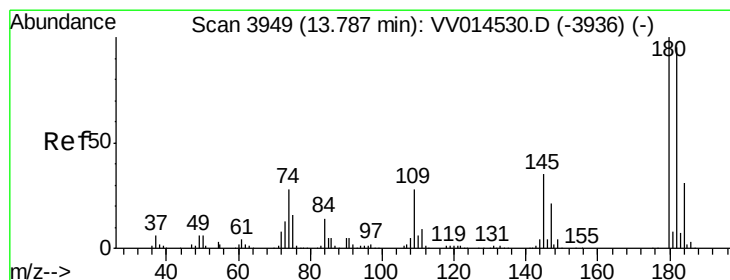
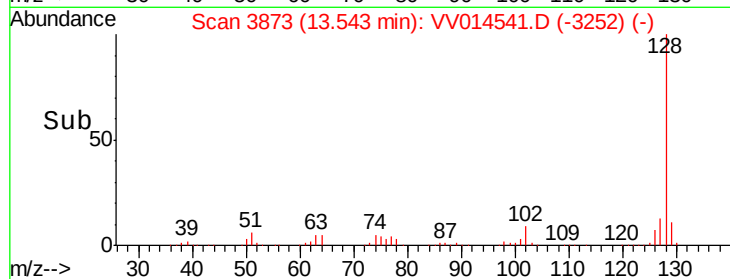
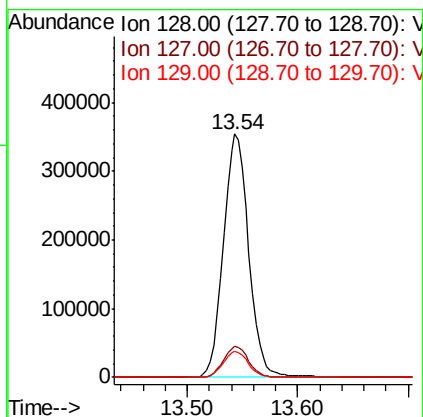
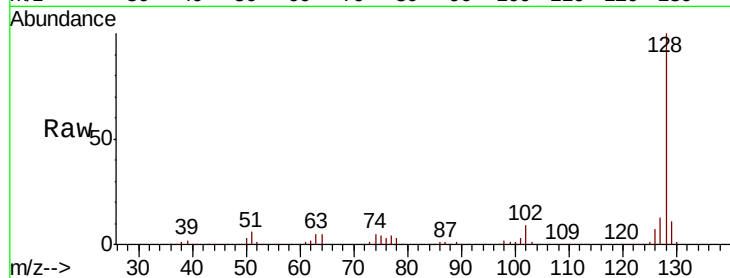




#71
Naphthalene
Concen: 51.000 ug/L
RT: 13.54 min Scan# 3873
Delta R.T. -0.00 min
Lab File: VV014541.D
Acq: 10 Feb 2020 10:28

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:128 Resp: 561906
Ion Ratio Lower Upper
128 100
127 12.7 10.3 15.5
129 10.7 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 53.705 ug/L
RT: 13.79 min Scan# 3949
Delta R.T. 0.00 min
Lab File: VV014541.D
Acq: 10 Feb 2020 10:28

Tgt Ion:180 Resp: 175018
Ion Ratio Lower Upper
180 100
182 95.0 75.2 112.8
145 33.9 27.1 40.7

