

Data File : VV011503.D
Acq On : 14 Jun 2019 19:13
Operator : SY/MD
Sample : VSTDICV005
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VICV36

Quant Time: Jun 15 01:22:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jun 14 18:58:38 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	187481	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	174025	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	77385	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	68599	4.85	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.00%
7) Chloroethane-d5	1.58	69	43942	4.90	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.00%
11) 1,1-Dichloroethene-d2	2.12	63	129314	4.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.00%
20) 2-Butanone-d5	3.96	46	201911	50.69	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.38%
24) Chloroform-d	4.39	84	133627	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
26) 1,2-Dichloroethane-d4	5.08	65	75860	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.80%
32) Benzene-d6	5.09	84	252492	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.20%
36) 1,2-Dichloropropane-d6	6.11	67	79806	4.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.80%
41) Toluene-d8	7.35	98	233893	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.00%
43) trans-1,3-Dichloropropene-	7.66	79	27906	5.09	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.80%
46) 2-Hexanone-d5	8.14	63	160432	50.69	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.38%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	60069	4.86	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	77812	5.04	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	81827	4.892 ug/L	100
3) Chloromethane	1.25	50	90049	4.971 ug/L	99
5) Vinyl chloride	1.32	62	84042	4.697 ug/L	97
6) Bromomethane	1.53	94	38616	5.162 ug/L	99
8) Chloroethane	1.60	64	41181	4.753 ug/L	95
9) Trichlorofluoromethane	1.76	101	99043	5.026 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	55301	4.913 ug/L	96
12) 1,1-Dichloroethene	2.13	96	54320	4.659 ug/L	93
13) Acetone	2.22	43	120622	44.938 ug/L	99
14) Carbon disulfide	2.31	76	149377	4.739 ug/L	99
15) Methyl Acetate	2.47	43	31416	4.415 ug/L	97
16) Methylene chloride	2.53	84	62310	4.702 ug/L	98
17) Methyl tert-butyl Ether	2.81	73	166956	4.775 ug/L	98
18) trans-1,2-Dichloroethene	2.78	96	64284	4.876 ug/L	93
19) 1,1-Dichloroethane	3.22	63	131264	4.813 ug/L	96
21) 2-Butanone	4.04	43	206841	48.706 ug/L	97
22) cis-1,2-Dichloroethene	3.95	96	71915	4.815 ug/L	97

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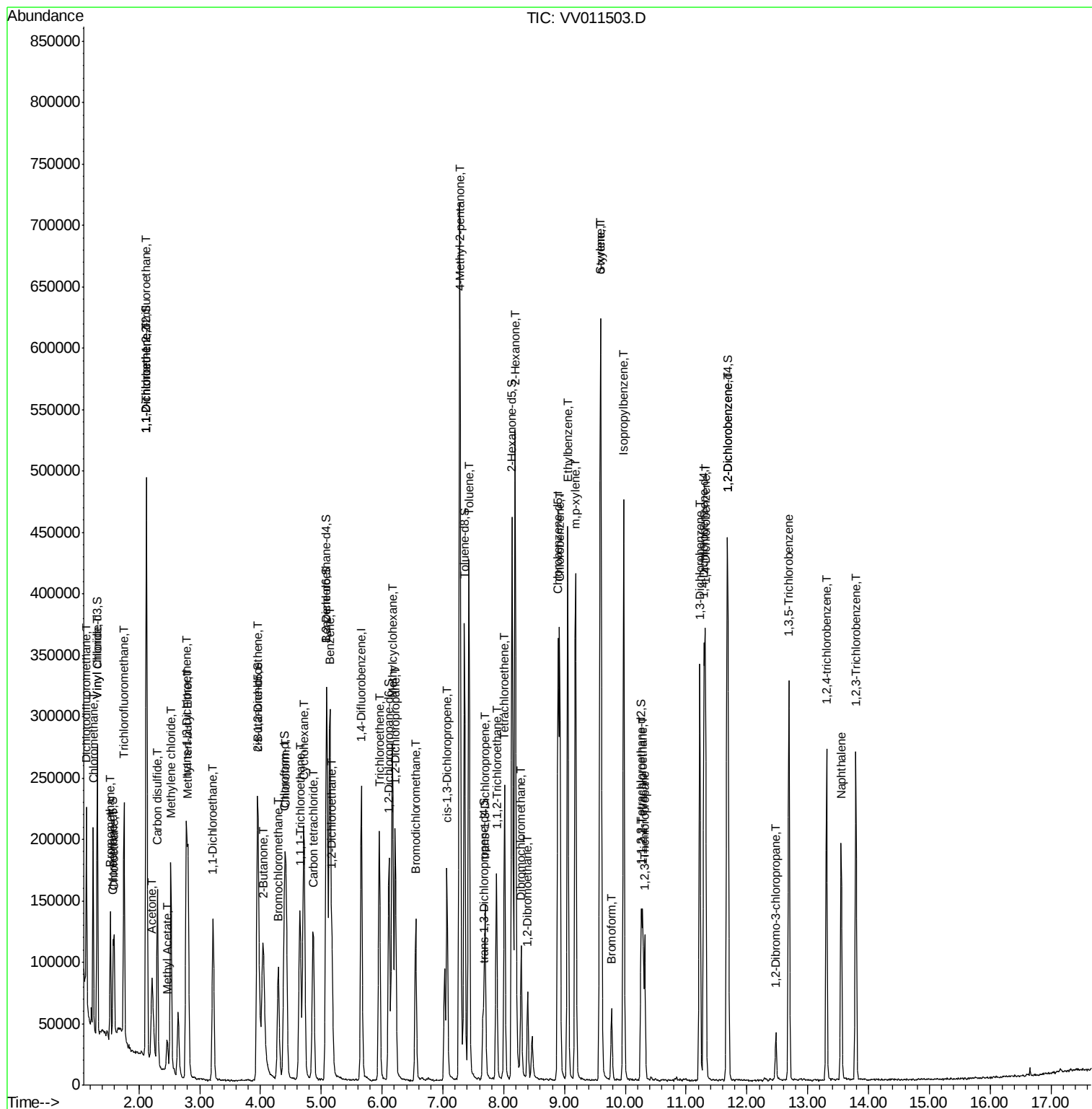
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	28251	4.812	ug/L	96
25) Chloroform	4.42	83	130863	4.781	ug/L	99
27) 1,2-Dichloroethane	5.18	62	91235	4.730	ug/L	99
29) 1,1,1-Trichloroethane	4.65	97	104052	4.806	ug/L	99
30) Cyclohexane	4.71	56	106169	4.746	ug/L	98
31) Carbon tetrachloride	4.87	117	84689	4.833	ug/L	99
33) Benzene	5.14	78	276591	4.866	ug/L	100
34) Trichloroethene	5.96	95	68997	4.760	ug/L	99
35) Methylcyclohexane	6.17	83	103125	4.990	ug/L	99
37) 1,2-Dichloropropane	6.22	63	68729	4.543	ug/L	99
38) Bromodichloromethane	6.55	83	82009	4.771	ug/L	97
39) cis-1,3-Dichloropropene	7.07	75	90232	4.738	ug/L	96
40) 4-Methyl-2-pentanone	7.28	43	518906	48.110	ug/L	99
42) Toluene	7.43	91	290774	4.937	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	73488	5.044	ug/L	97
45) 1,1,2-Trichloroethane	7.88	97	47743	4.727	ug/L	98
47) Tetrachloroethene	8.01	164	49658	4.804	ug/L	99
48) 2-Hexanone	8.19	43	373557	49.268	ug/L	99
49) Dibromochloromethane	8.29	129	48676	4.797	ug/L	95
50) 1,2-Dibromoethane	8.39	107	45387	4.969	ug/L	100
51) Chlorobenzene	8.92	112	174722	4.830	ug/L	99
52) Ethylbenzene	9.05	91	305193	4.933	ug/L	100
53) m,p-xylene	9.18	106	113438	5.010	ug/L	99
54) o-xylene	9.59	106	114613	5.040	ug/L	96
55) Styrene	9.60	104	189297	5.019	ug/L	98
56) Isopropylbenzene	9.97	105	289591	5.004	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	58849	4.765	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	44884	4.751	ug/L	99
61) Bromoform	9.77	173	23289	4.720	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	122225	4.871	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	123028	4.813	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	122424	4.847	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	8639	4.710	ug/L	90
67) 1,3,5-Trichlorobenzene	12.69	180	87124	4.754	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	73332	4.983	ug/L	100
69) Naphthalene	13.55	128	140885	4.868	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	70488	4.939	ug/L	99

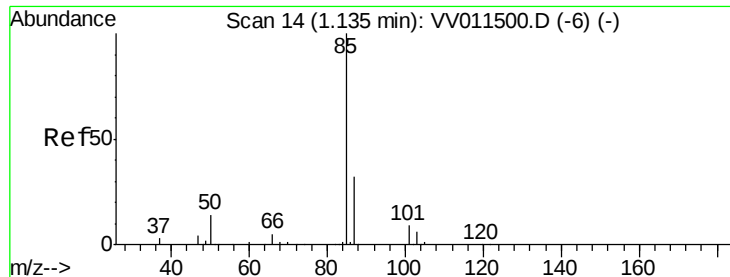
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.892 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV011503.D

Acq: 14 Jun 2019 19:13

Instrument :

MSVOA_V

ClientSampleId :

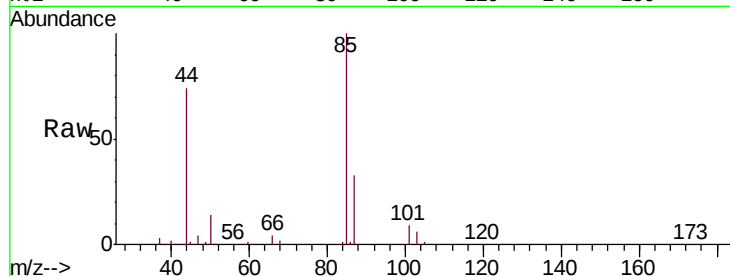
VICV36

Tgt Ion: 85 Resp: 81827

Ion Ratio Lower Upper

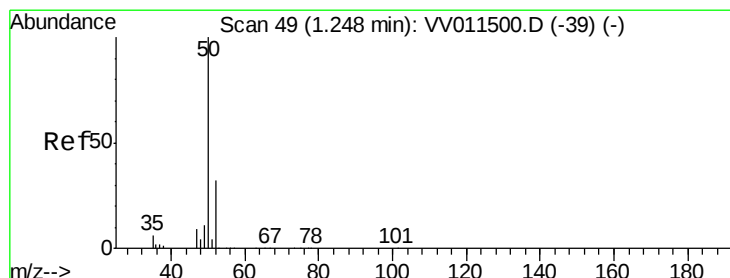
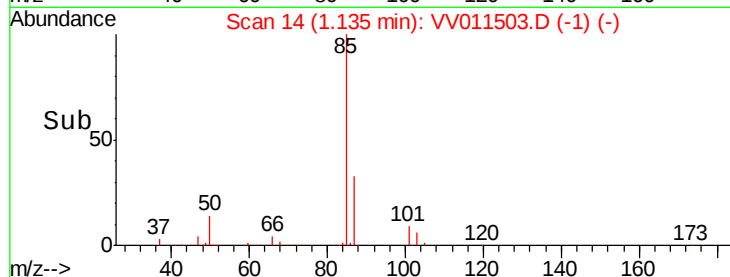
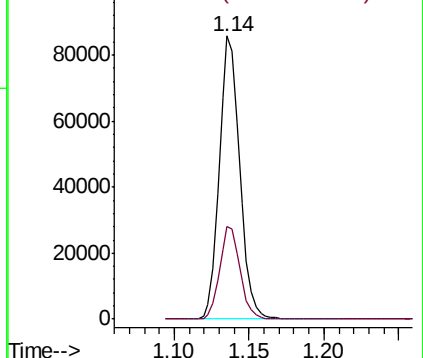
85 100

87 32.5 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 4.971 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV011503.D

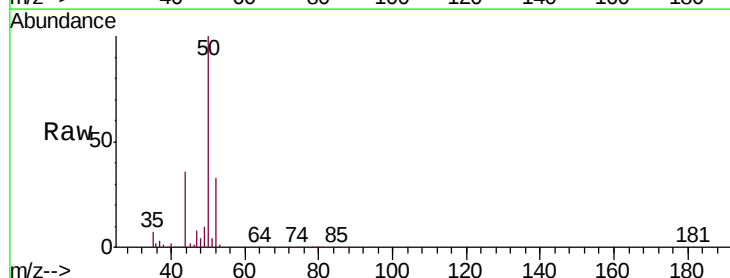
Acq: 14 Jun 2019 19:13

Tgt Ion: 50 Resp: 90049

Ion Ratio Lower Upper

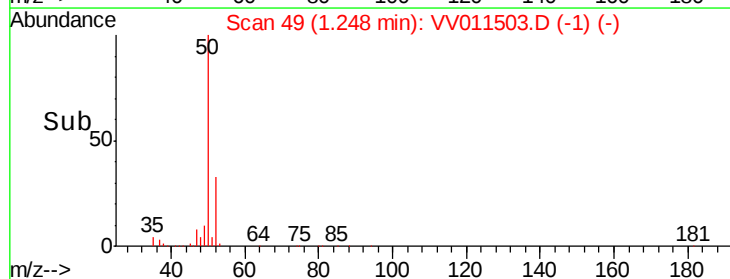
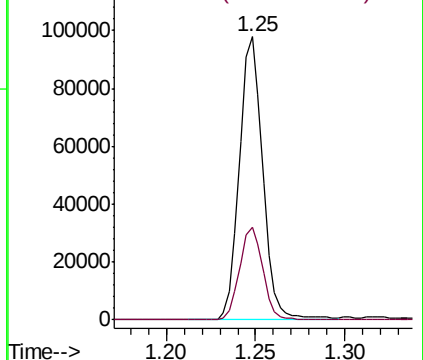
50 100

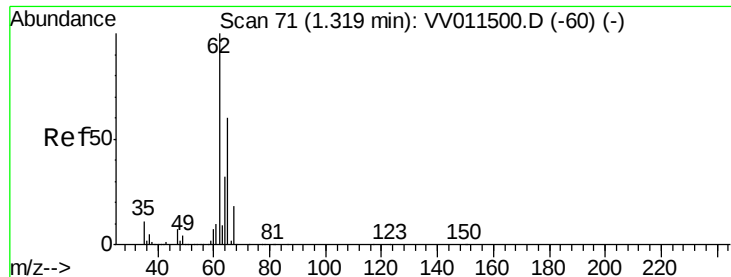
52 32.9 22.7 42.1



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 4.697 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV011503.D

Acq: 14 Jun 2019 19:13

Instrument :

MSVOA_V

ClientSampleId :

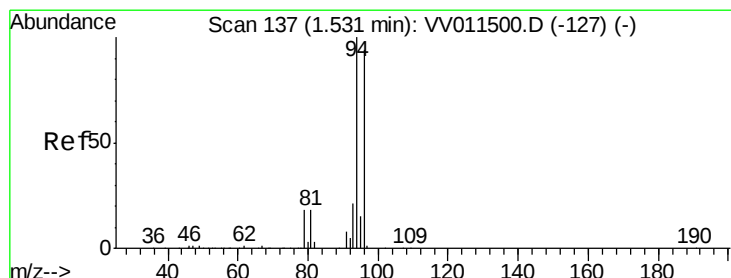
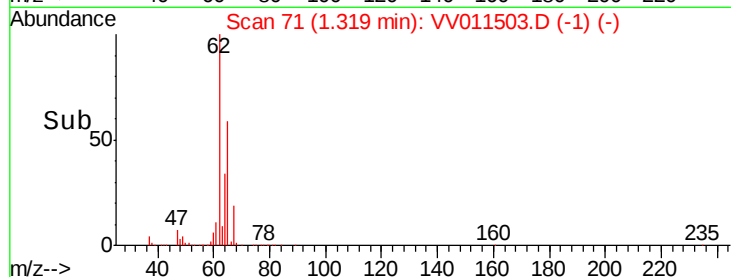
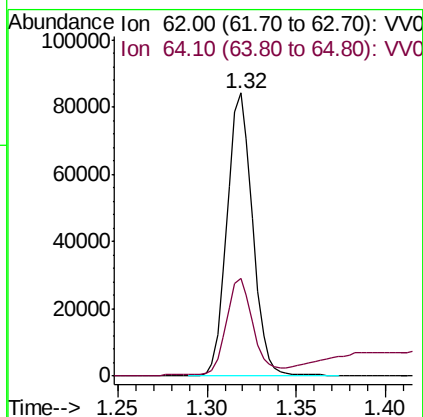
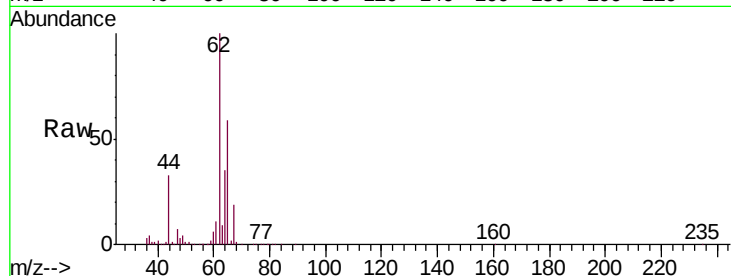
VICV36

Tgt Ion: 62 Resp: 84042

Ion Ratio Lower Upper

62 100

64 34.6 23.0 42.6



#6

Bromomethane

Concen: 5.162 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV011503.D

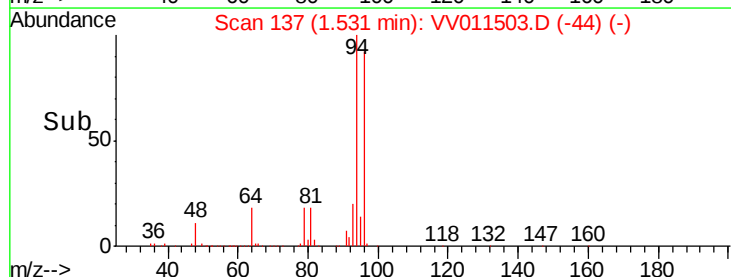
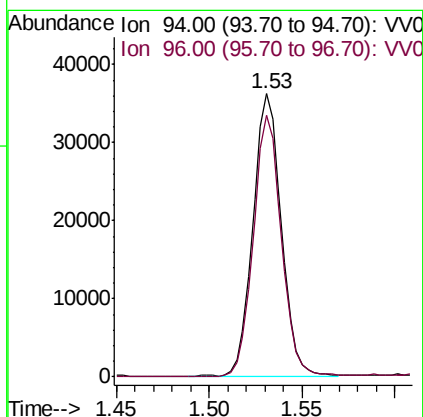
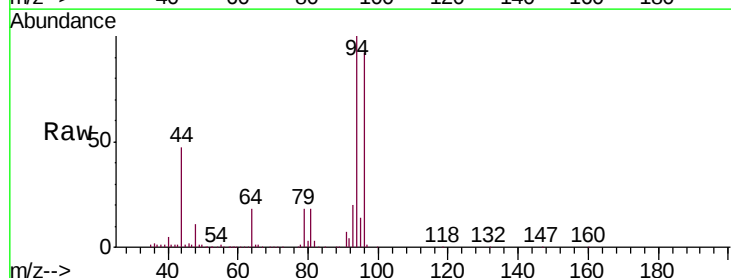
Acq: 14 Jun 2019 19:13

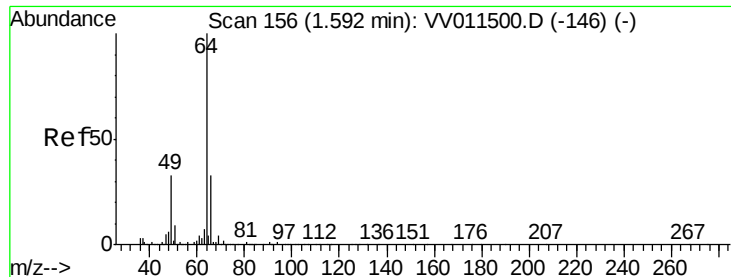
Tgt Ion: 94 Resp: 38616

Ion Ratio Lower Upper

94 100

96 92.4 65.5 121.7





#8

Chloroethane

Concen: 4.753 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV011503.D

Acq: 14 Jun 2019 19:13

Instrument :

MSVOA_V

ClientSampleId :

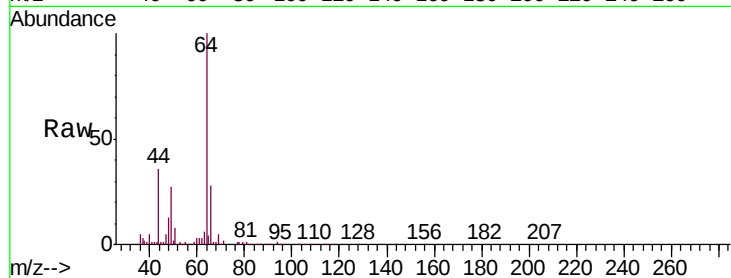
VICV36

Tgt Ion: 64 Resp: 41181

Ion Ratio Lower Upper

64 100

66 28.4 21.6 40.2



Abundance Ion 64.10 (63.80 to 64.80): VV011503.D (-63) (-)

Ion 66.05 (65.75 to 66.75): VV011503.D (-63) (-)

1.60

40000

30000

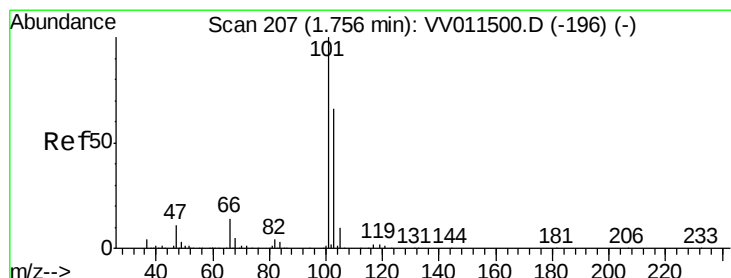
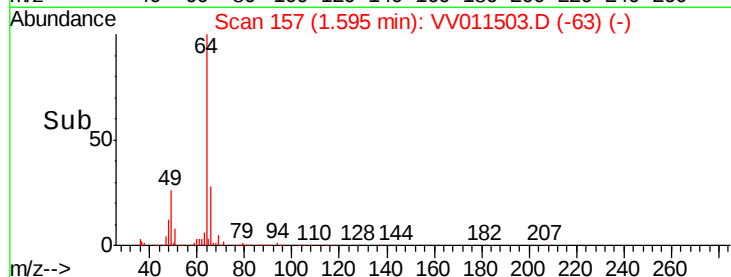
20000

10000

0

1.55 1.60 1.65

Time-->



#9

Trichlorofluoromethane

Concen: 5.026 ug/L

RT: 1.76 min Scan# 207

Delta R.T. -0.00 min

Lab File: VV011503.D

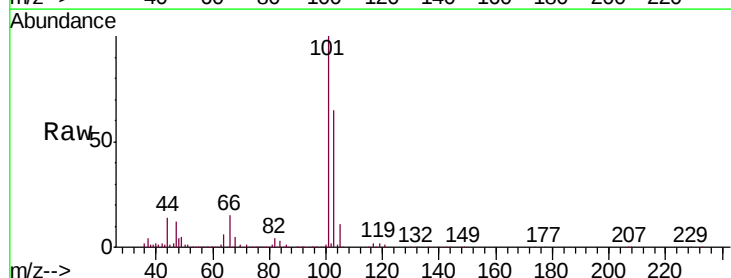
Acq: 14 Jun 2019 19:13

Tgt Ion: 101 Resp: 99043

Ion Ratio Lower Upper

101 100

103 64.0 52.5 78.7



Abundance Ion 101.00 (100.70 to 101.70): VV011503.D (-114) (-)

Ion 103.00 (102.70 to 103.70): VV011503.D (-114) (-)

1.76

80000

60000

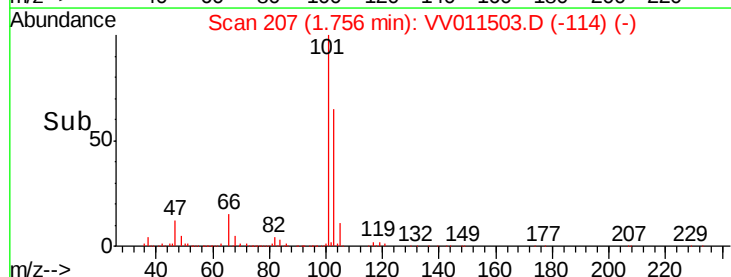
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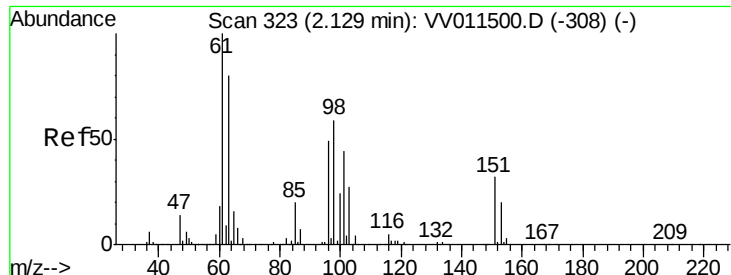
20000

0

1.70 1.75 1.80

Time-->





#10

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

Concen: 4.913 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV011503.D

Acq: 14 Jun 2019 19:13

Instrument :

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ClientSampleId :

VICV36

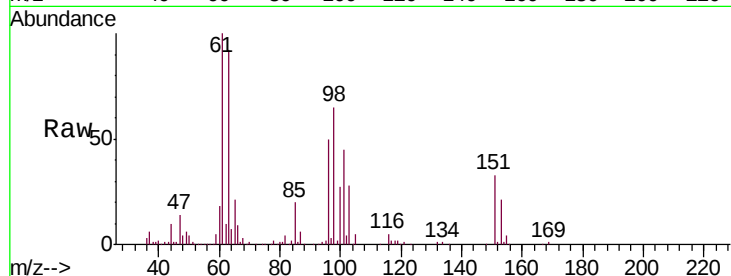
Tgt Ion: 101 Resp: 55301

Ion Ratio Lower Upper

101 100

85 43.9 37.3 55.9

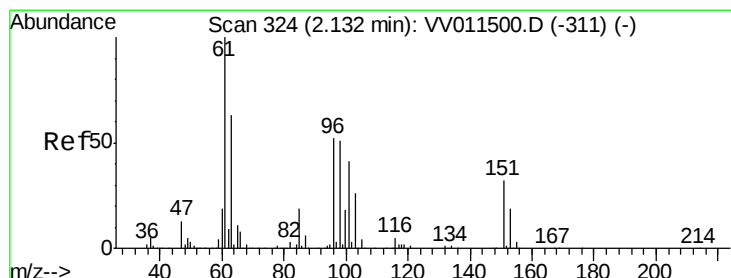
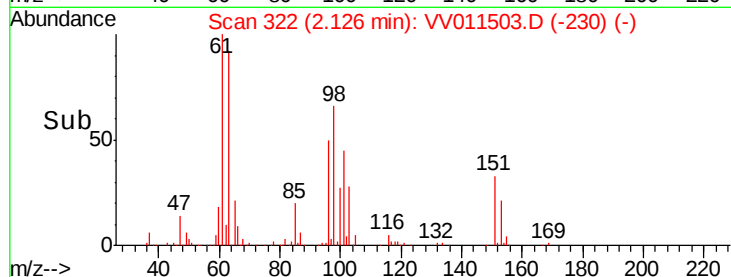
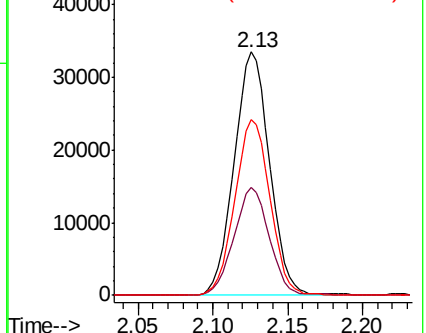
151 71.4 59.4 89.2



Abundance Ion 101.00 (100.70 to 101.70): VV011503.D (-230) (-)

Ion 85.00 (84.70 to 85.70): VV011503.D (-230) (-)

Ion 151.00 (150.70 to 151.70): VV011503.D (-230) (-)



#12

1,1-Dichloroethene

Concen: 4.659 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV011503.D

Acq: 14 Jun 2019 19:13

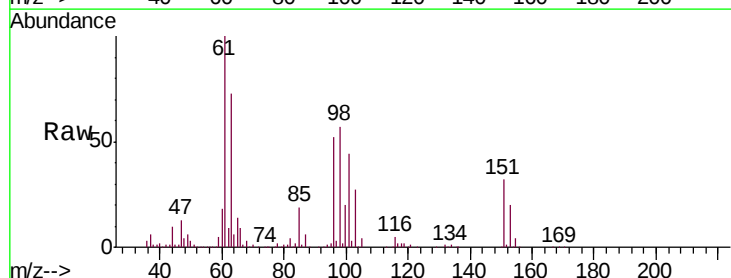
Tgt Ion: 96 Resp: 54320

Ion Ratio Lower Upper

96 100

61 193.4 135.9 252.5

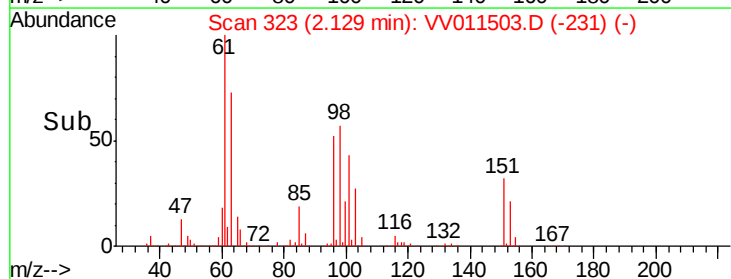
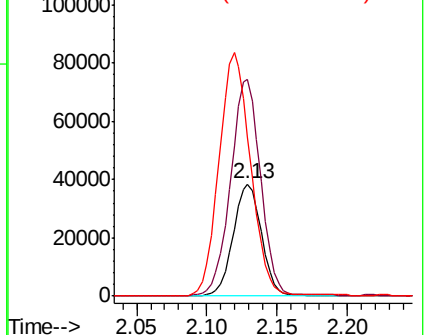
63 141.8 86.2 160.2

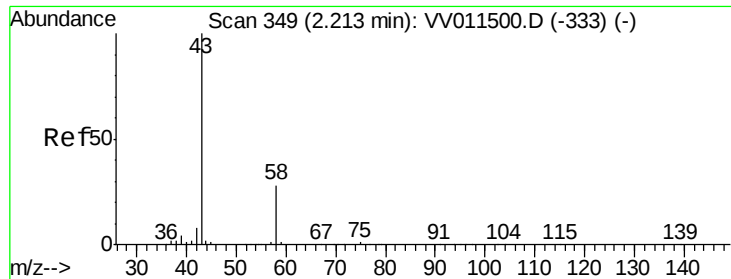


Abundance Ion 96.00 (95.70 to 96.70): VV011503.D (-231) (-)

Ion 61.05 (60.75 to 61.75): VV011503.D (-231) (-)

Ion 63.00 (62.70 to 63.70): VV011503.D (-231) (-)





#13

Acetone

Concen: 44.938 ug/L

RT: 2.22 min Scan# 350

Delta R.T. 0.00 min

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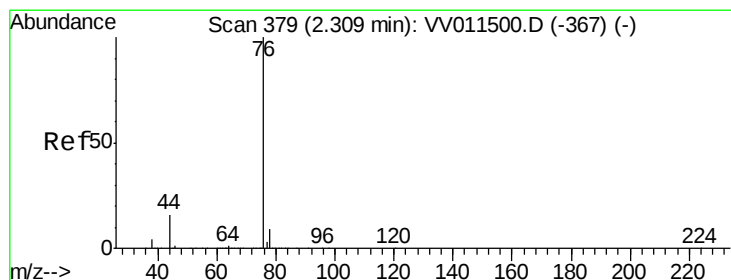
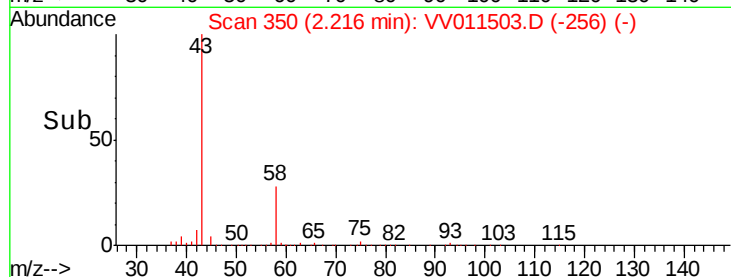
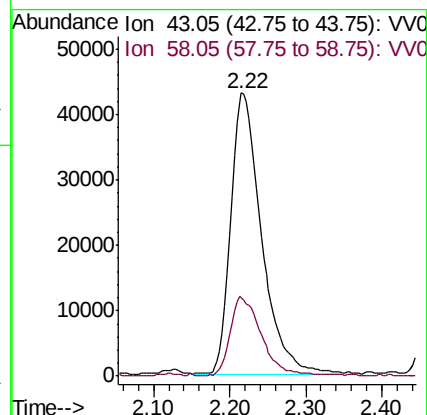
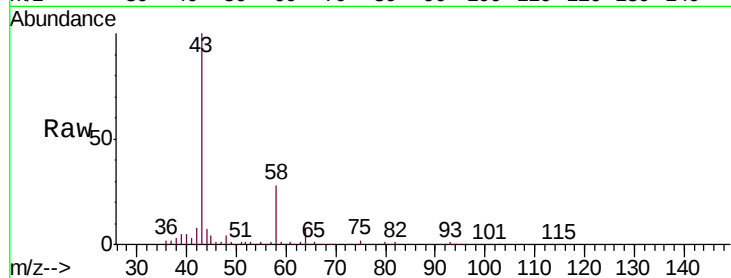
VICV36

Tgt Ion: 43 Resp: 120622

Ion Ratio Lower Upper

43 100

58 29.3 0.0 57.8



#14

Carbon disulfide

Concen: 4.739 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV011503.D

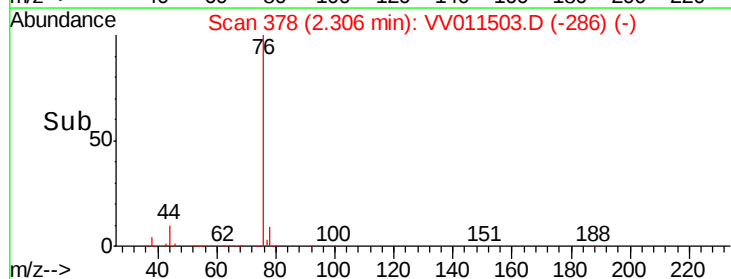
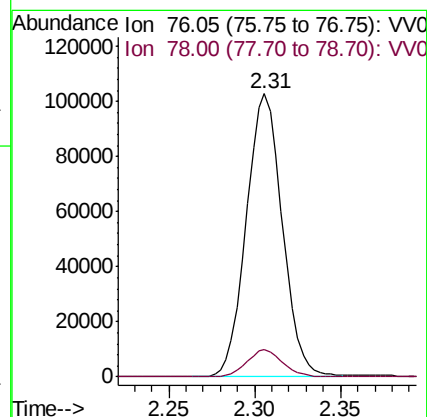
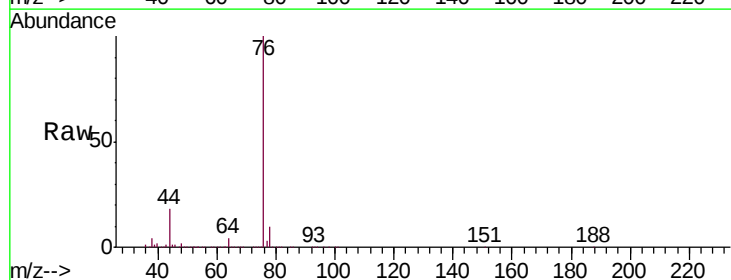
Acq: 14 Jun 2019 19:13

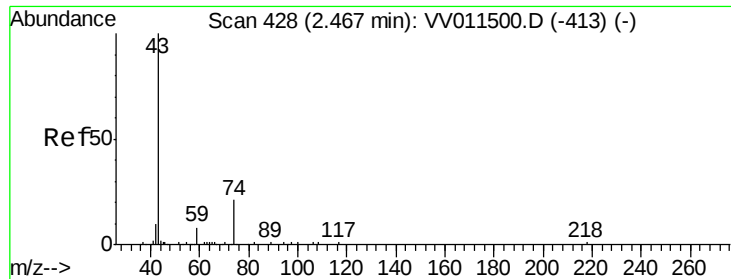
Tgt Ion: 76 Resp: 149377

Ion Ratio Lower Upper

76 100

78 9.7 7.4 11.2

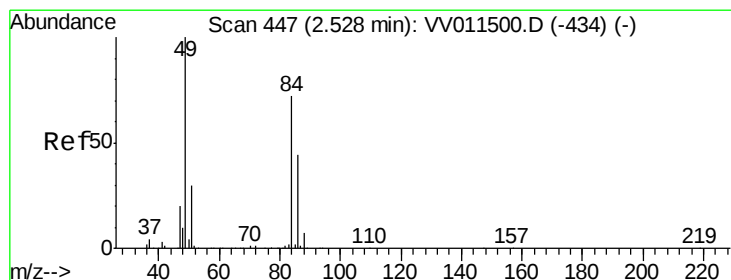
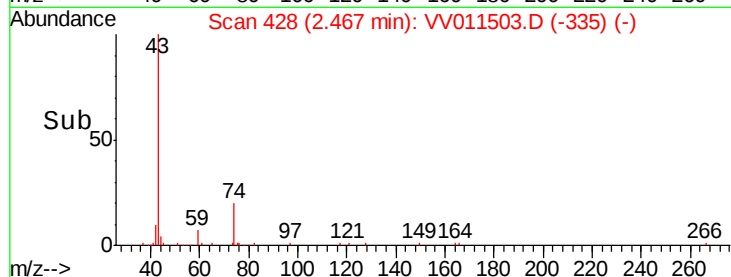
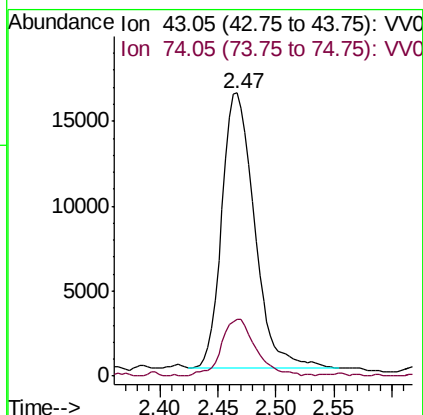
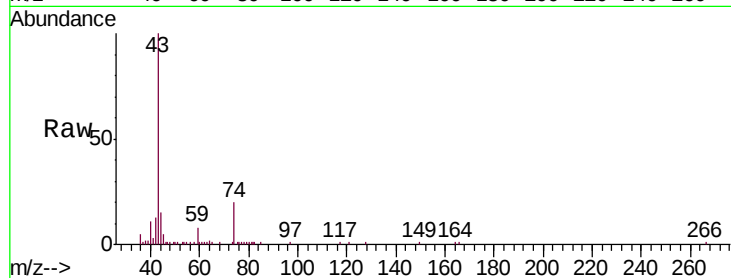




#15
Methyl Acetate
Concen: 4.415 ug/L
RT: 2.47 min Scan# 428
Delta R.T. -0.00 min
Lab File: VV011503.D
Acq: 14 Jun 2019 19:13

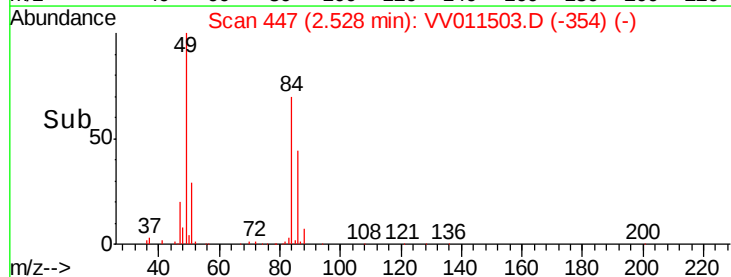
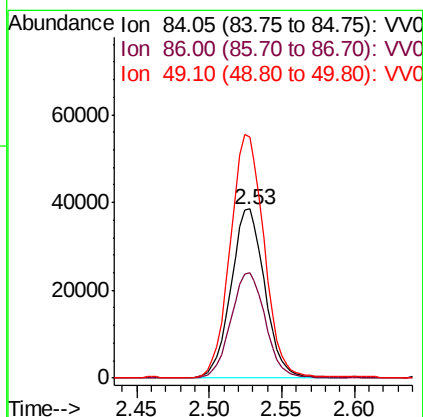
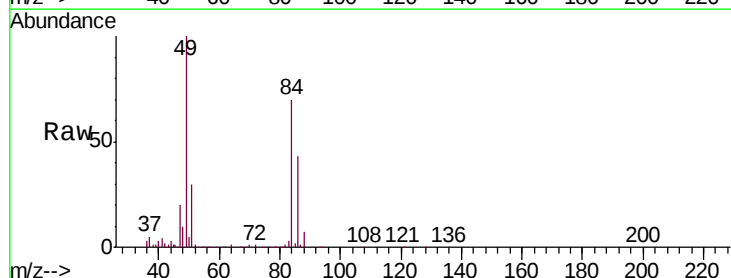
Instrument :
MSVOA_V
ClientSampled :
VICV36

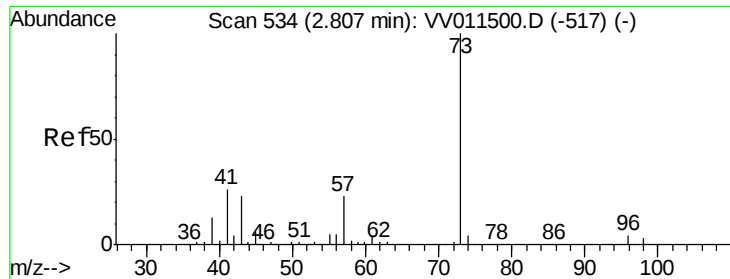
Tgt Ion: 43 Resp: 31416
Ion Ratio Lower Upper
43 100
74 22.2 16.5 24.7



#16
Methylene chloride
Concen: 4.702 ug/L
RT: 2.53 min Scan# 447
Delta R.T. -0.00 min
Lab File: VV011503.D
Acq: 14 Jun 2019 19:13

Tgt Ion: 84 Resp: 62310
Ion Ratio Lower Upper
84 100
86 62.1 42.5 78.9
49 142.9 97.7 181.5





#17

Methyl tert-butyl Ether

Concen: 4.775 ug/L

RT: 2.81 min Scan# 534

Delta R.T. -0.00 min

Lab File: VV011503.D

Acq: 14 Jun 2019 19:13

Instrument :

MSVOA_V

ClientSampled :

VICV36

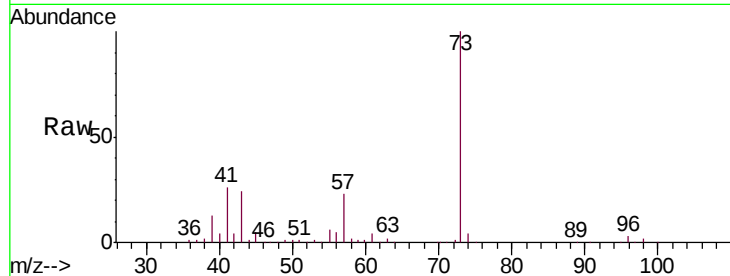
Tgt Ion: 73 Resp: 166956

Ion Ratio Lower Upper

73 100

43 24.1 18.2 27.4

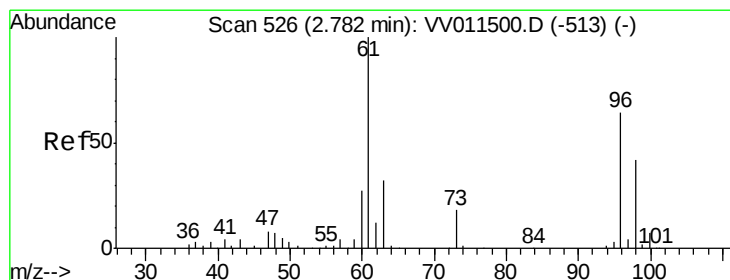
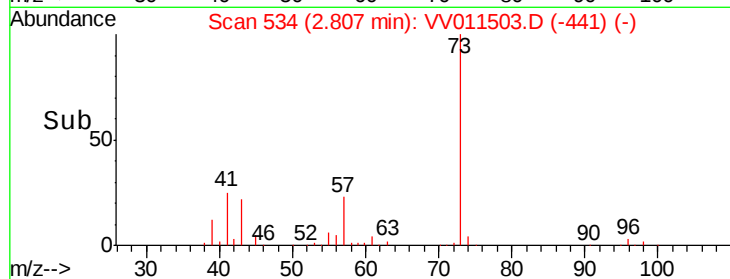
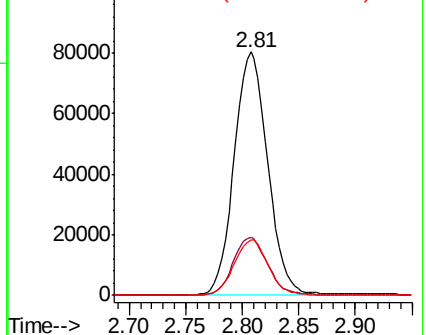
57 22.6 17.4 26.2



Abundance Ion 73.10 (72.80 to 73.80): VV0

Ion 43.05 (42.75 to 43.75): VV0

Ion 57.10 (56.80 to 57.80): VV0



#18

trans-1,2-Dichloroethene

Concen: 4.876 ug/L

RT: 2.78 min Scan# 525

Delta R.T. -0.00 min

Lab File: VV011503.D

Acq: 14 Jun 2019 19:13

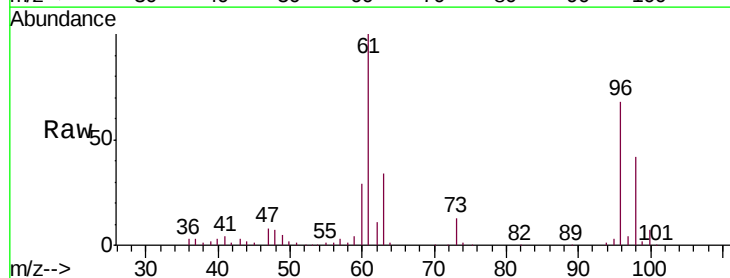
Tgt Ion: 96 Resp: 64284

Ion Ratio Lower Upper

96 100

61 147.2 110.0 204.4

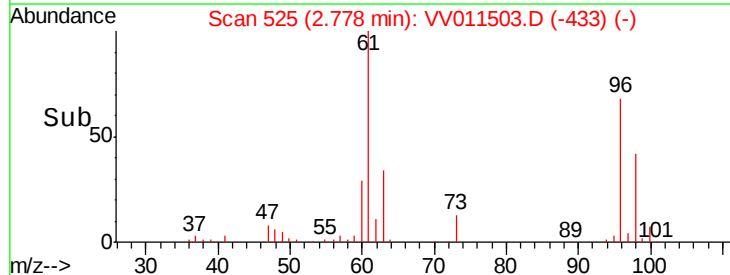
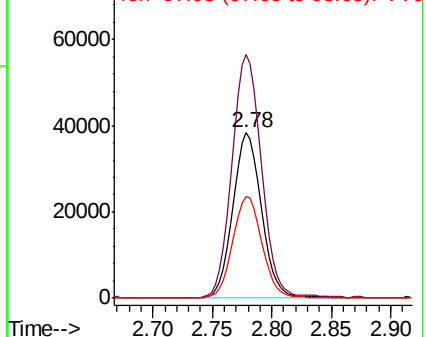
98 61.2 45.8 85.0

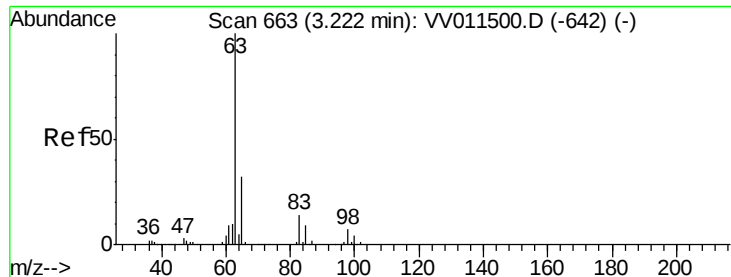


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0





#19

1,1-Dichloroethane

Concen: 4.813 ug/L

RT: 3.22 min Scan# 662

Delta R.T. -0.00 min

Lab File: VV011503.D

Acq: 14 Jun 2019 19:13

Instrument :

MSVOA_V

ClientSampleId :

VICV36

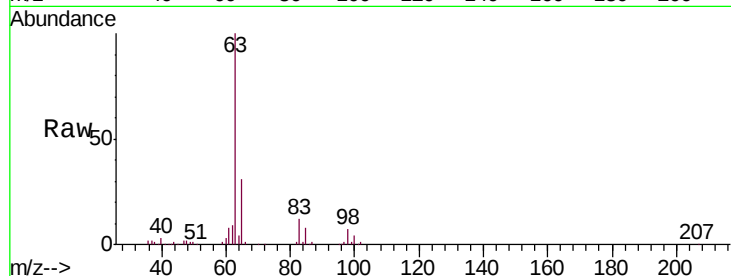
Tgt Ion: 63 Resp: 131264

Ion Ratio Lower Upper

63 100

65 30.7 22.5 41.9

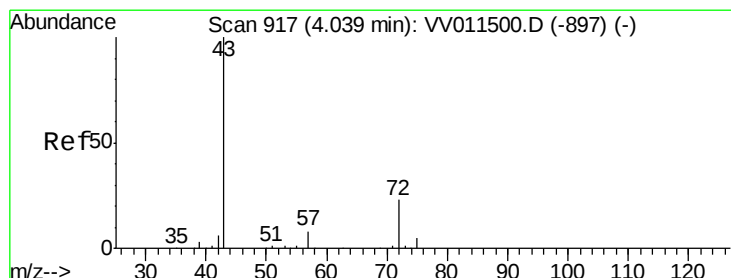
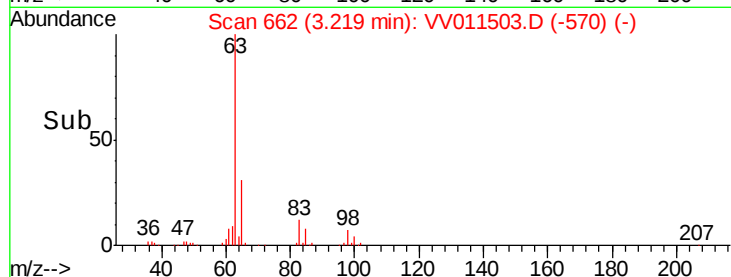
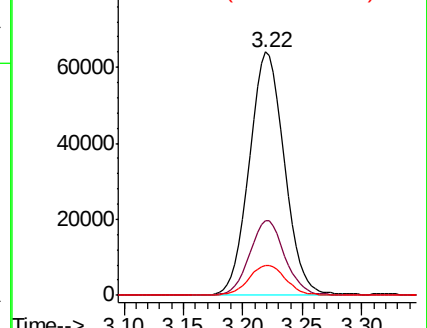
83 12.3 10.1 18.9



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0



#21

2-Butanone

Concen: 48.706 ug/L

RT: 4.04 min Scan# 918

Delta R.T. 0.00 min

Lab File: VV011503.D

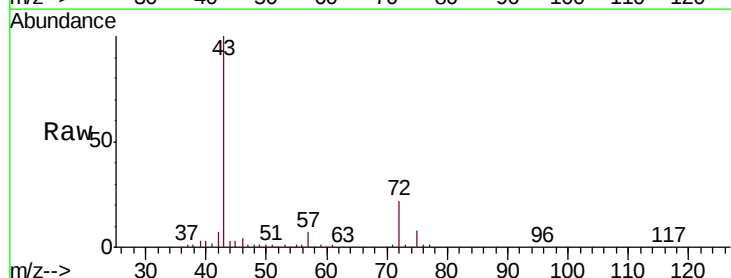
Acq: 14 Jun 2019 19:13

Tgt Ion: 43 Resp: 206841

Ion Ratio Lower Upper

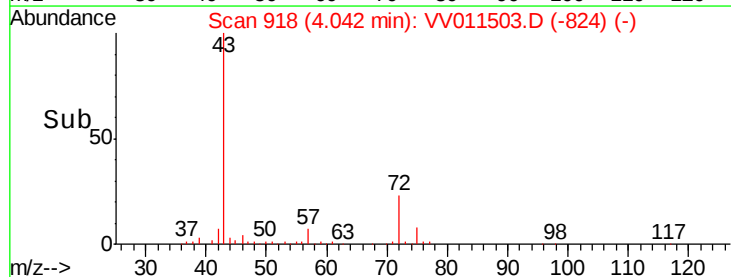
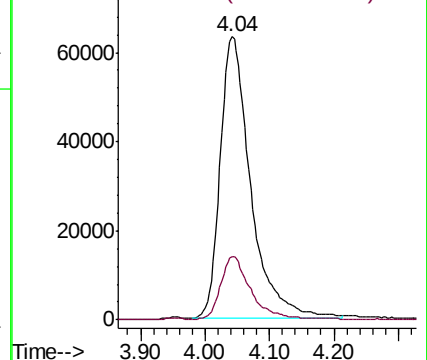
43 100

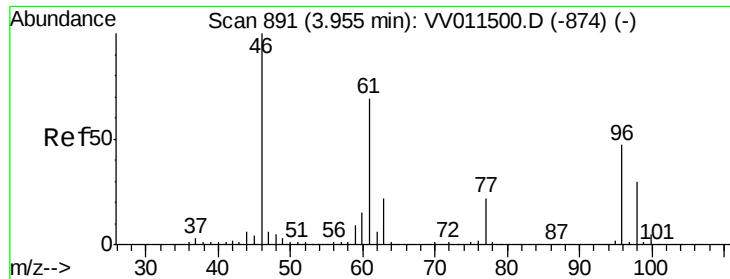
72 21.9 11.8 35.4



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 72.10 (71.80 to 72.80): VV0



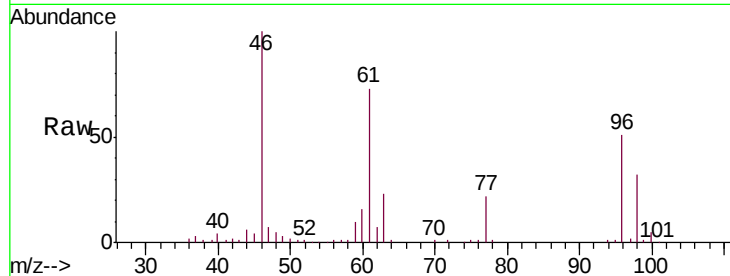


#22

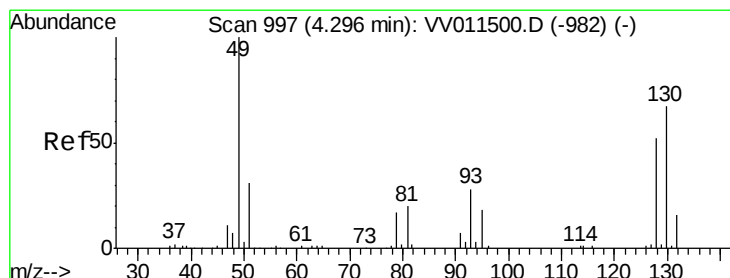
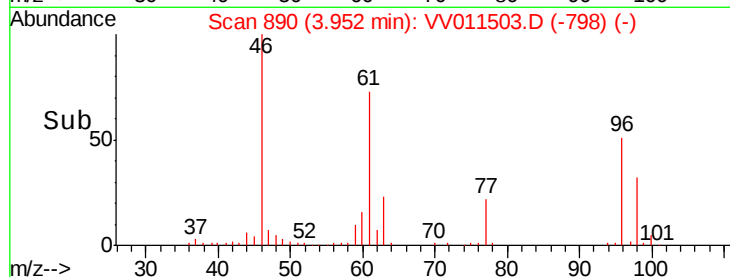
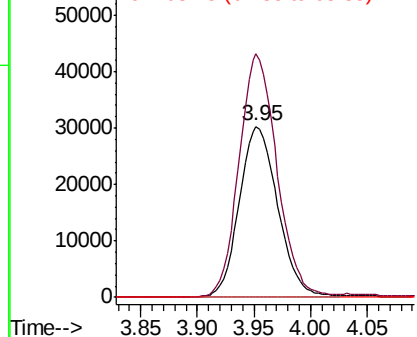
cis-1,2-Dichloroethene
Concen: 4.815 ug/L
RT: 3.95 min Scan# 890
Delta R.T. -0.00 min
Lab File: VV011503.D
Acq: 14 Jun 2019 19:13

Instrument :
MSVOA_V
ClientSampled :
VICV36

Tgt Ion: 96 Resp: 71915
Ion Ratio Lower Upper
96 100
61 142.4 102.2 189.8
68 0.0 0.0 0.0



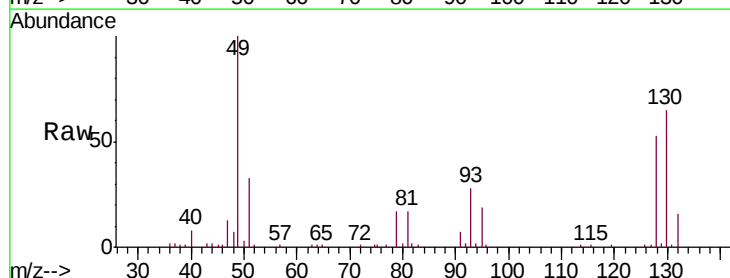
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



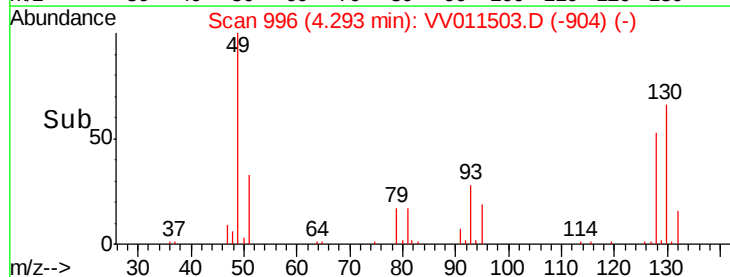
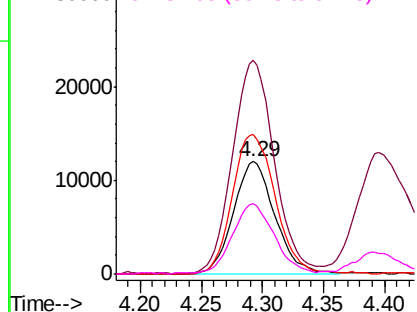
#23

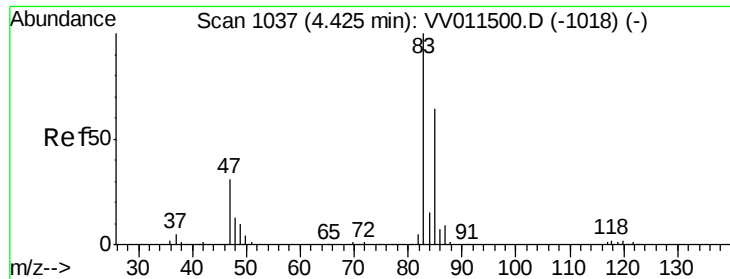
Bromochloromethane
Concen: 4.812 ug/L
RT: 4.29 min Scan# 996
Delta R.T. -0.00 min
Lab File: VV011503.D
Acq: 14 Jun 2019 19:13

Tgt Ion: 128 Resp: 28251
Ion Ratio Lower Upper
128 100
49 189.7 136.2 253.0
130 123.4 91.3 169.5
51 62.9 47.4 71.0



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VV0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VV0

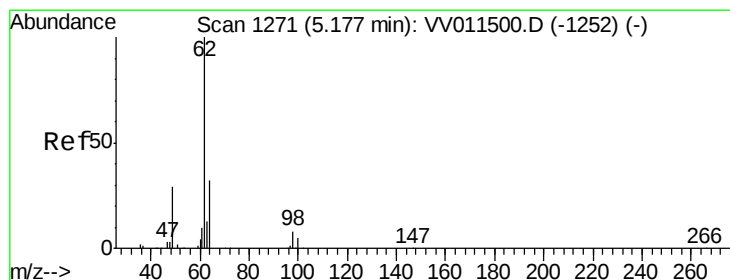
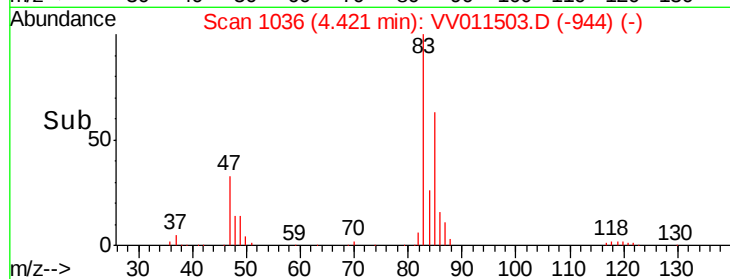
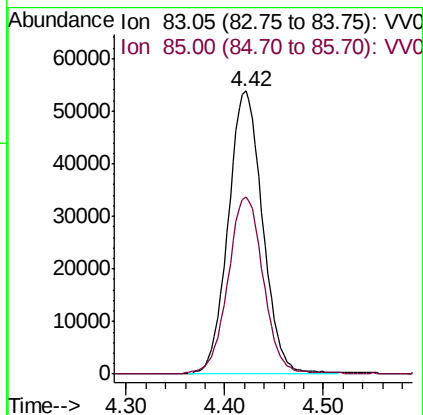
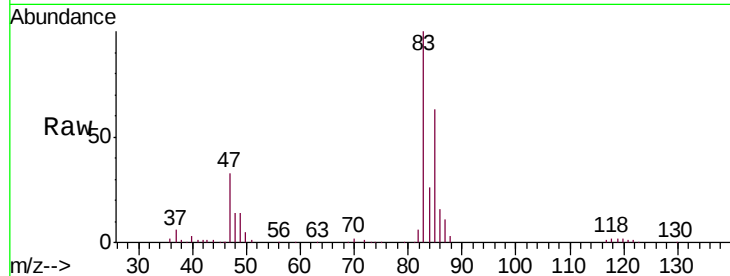




#25
Chloroform
Concen: 4.781 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV011503.D
Acq: 14 Jun 2019 19:13

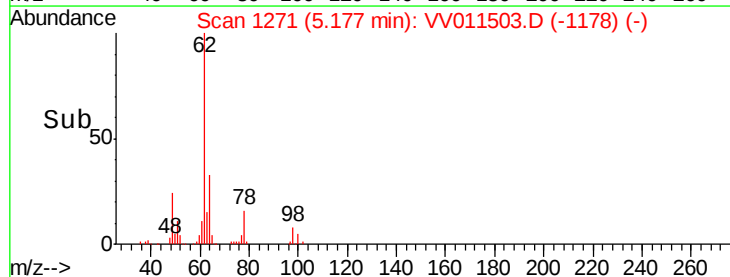
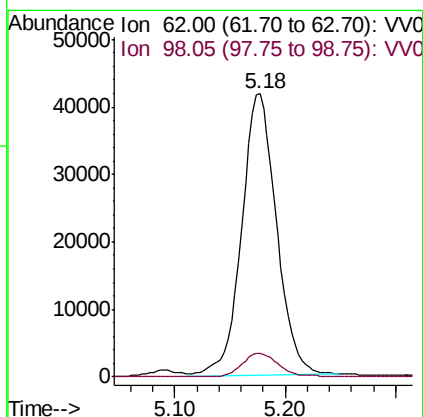
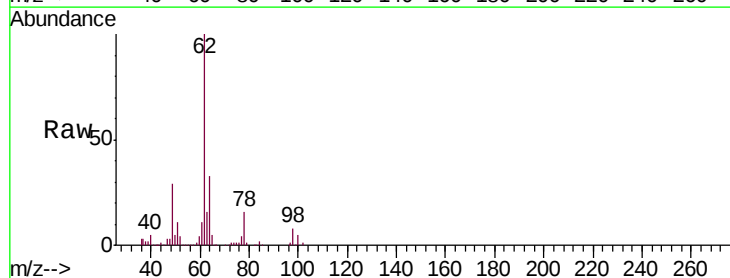
Instrument :
MSVOA_V
ClientSampleId :
VICV36

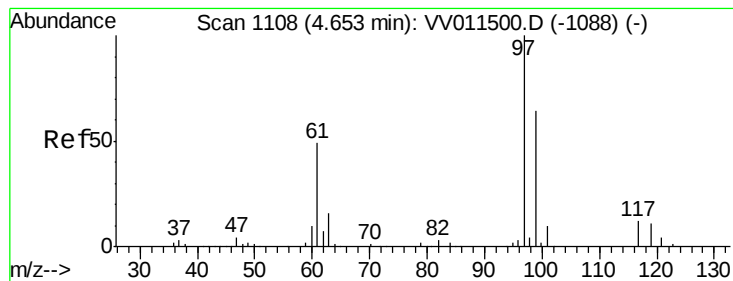
Tgt Ion: 83 Resp: 130863
Ion Ratio Lower Upper
83 100
85 62.5 44.6 82.8



#27
1,2-Dichloroethane
Concen: 4.730 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VV011503.D
Acq: 14 Jun 2019 19:13

Tgt Ion: 62 Resp: 91235
Ion Ratio Lower Upper
62 100
98 8.3 6.5 9.7





#29

1,1,1-Trichloroethane

Concen: 4.806 ug/L

RT: 4.65 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VV011503.D

Acq: 14 Jun 2019 19:13

Instrument :

MSVOA_V

ClientSampled :

VICV36

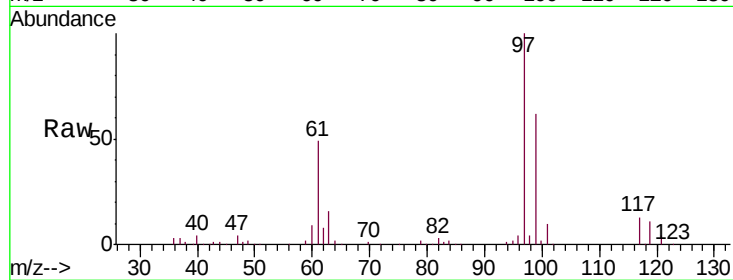
Tgt Ion: 97 Resp: 104052

Ion Ratio Lower Upper

97 100

99 63.7 51.6 77.4

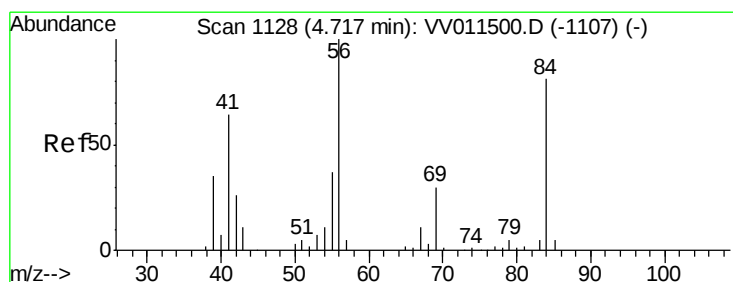
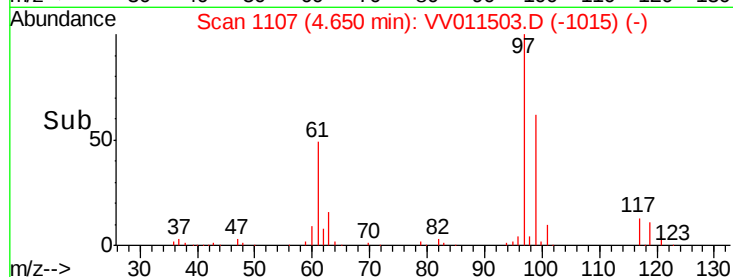
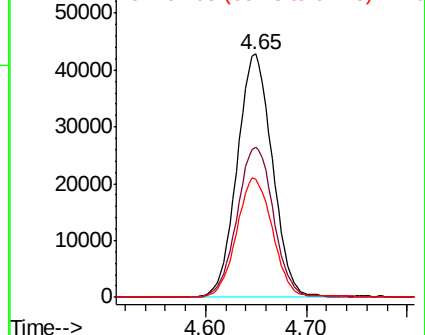
61 49.9 40.4 60.6



Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0



#30

Cyclohexane

Concen: 4.746 ug/L

RT: 4.71 min Scan# 1127

Delta R.T. -0.00 min

Lab File: VV011503.D

Acq: 14 Jun 2019 19:13

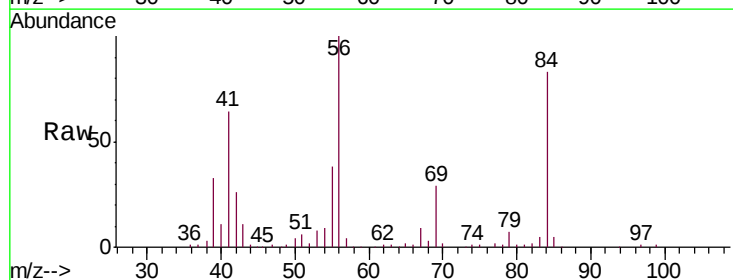
Tgt Ion: 56 Resp: 106169

Ion Ratio Lower Upper

56 100

69 29.2 24.1 36.1

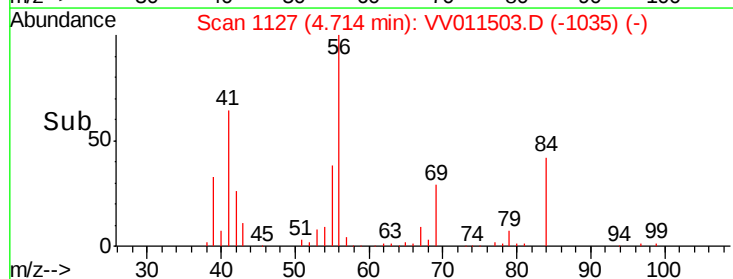
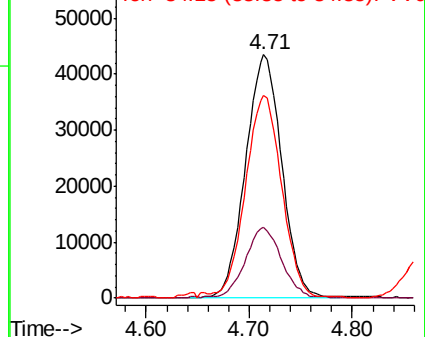
84 81.6 66.8 100.2

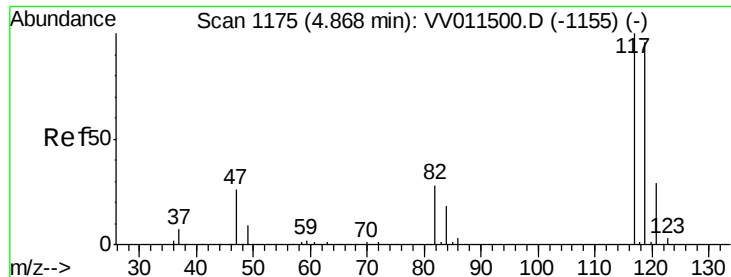


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 4.833 ug/L

RT: 4.87 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VV011503.D

Acq: 14 Jun 2019 19:13

Instrument :

MSVOA_V

ClientSampleId :

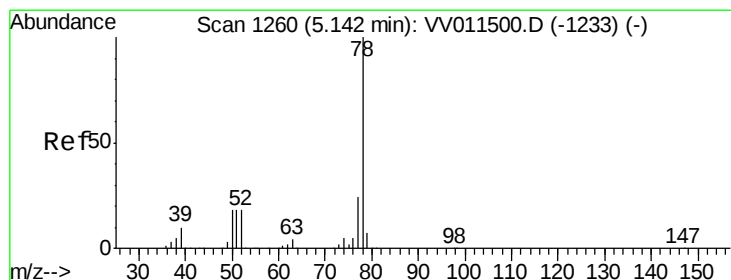
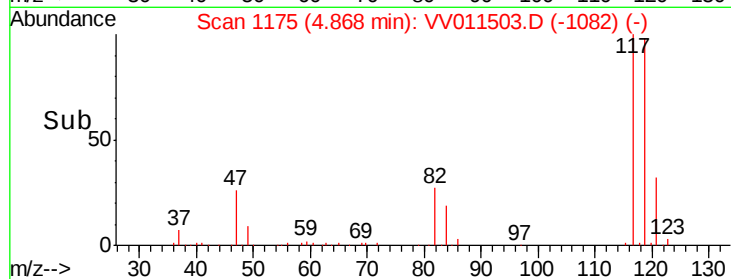
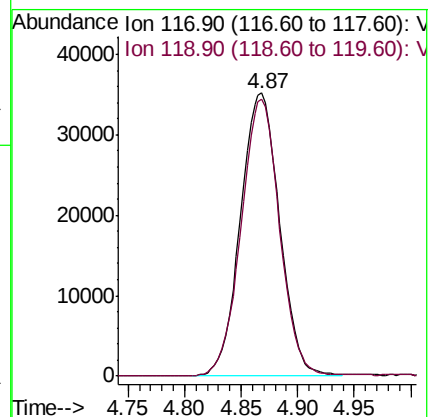
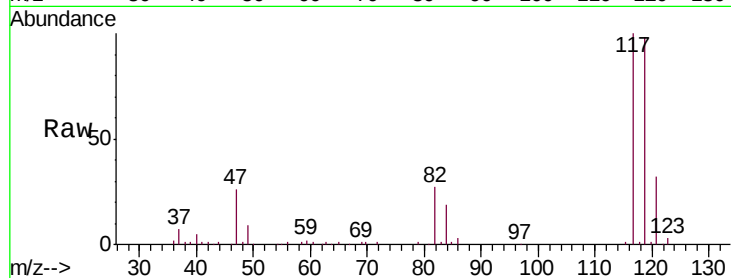
VICV36

Tgt Ion:117 Resp: 84689

Ion Ratio Lower Upper

117 100

119 96.1 77.4 116.2



#33

Benzene

Concen: 4.866 ug/L

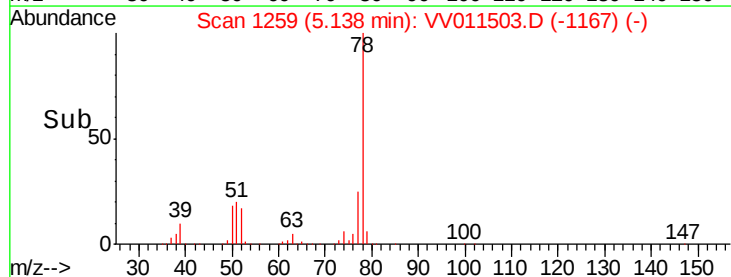
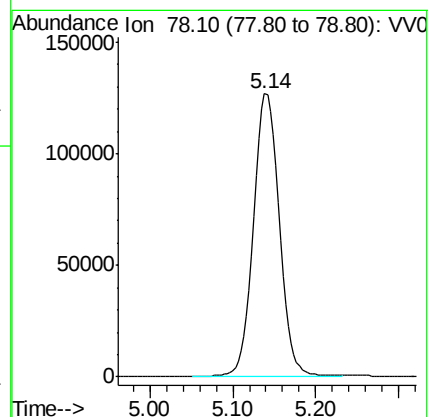
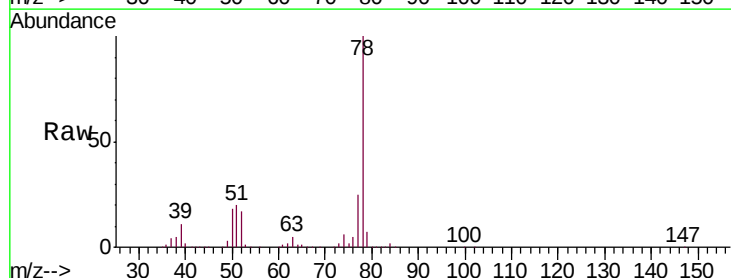
RT: 5.14 min Scan# 1259

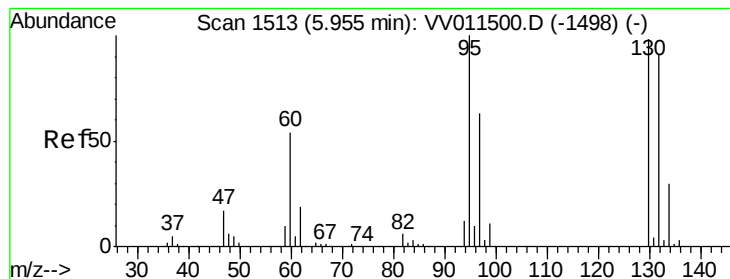
Delta R.T. -0.00 min

Lab File: VV011503.D

Acq: 14 Jun 2019 19:13

Tgt Ion: 78 Resp: 276591





#34

Trichloroethene

Concen: 4.760 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV011503.D

Acq: 14 Jun 2019 19:13

Instrument :

MSVOA_V

ClientSampleId :

VICV36

Tgt Ion: 95 Resp: 68997

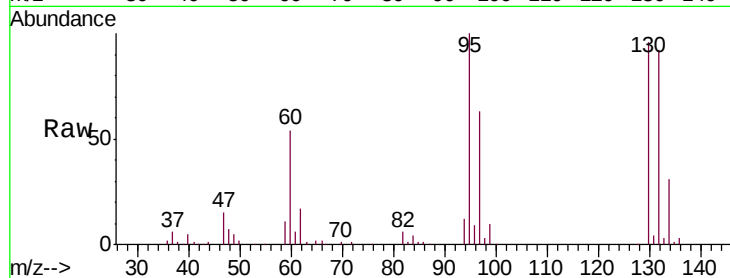
Ion Ratio Lower Upper

95 100

97 63.5 44.4 82.4

132 91.6 63.5 117.9

130 96.3 68.5 127.3

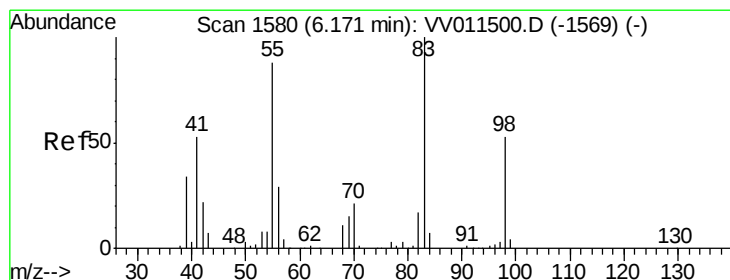
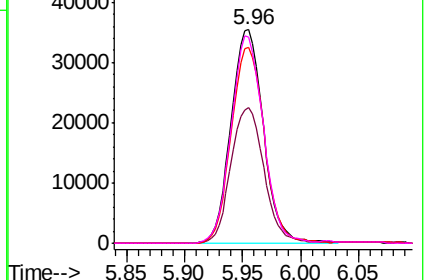
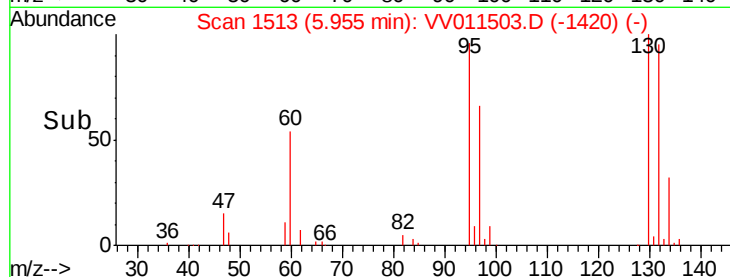


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 4.990 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. -0.00 min

Lab File: VV011503.D

Acq: 14 Jun 2019 19:13

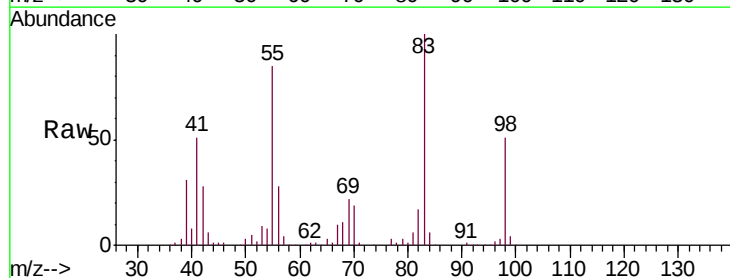
Tgt Ion: 83 Resp: 103125

Ion Ratio Lower Upper

83 100

55 83.8 67.9 101.9

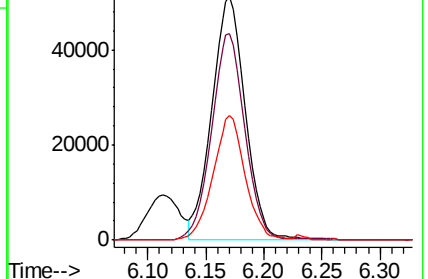
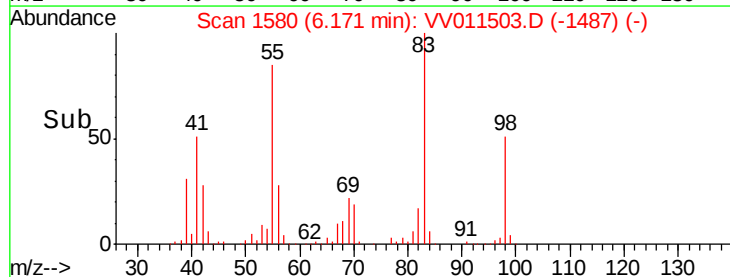
98 49.1 39.6 59.4

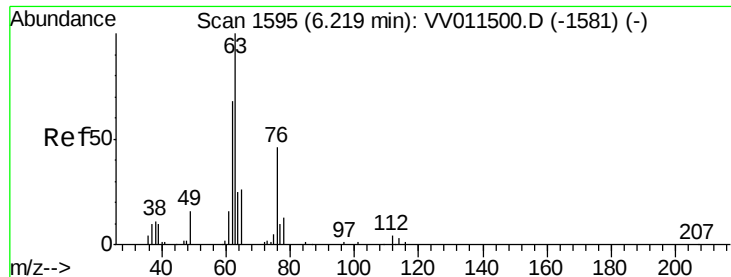


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 4.543 ug/L

RT: 6.22 min Scan# 1594

Delta R.T. -0.00 min

Lab File: VV011503.D

Acq: 14 Jun 2019 19:13

Instrument :

MSVOA_V

ClientSampleId :

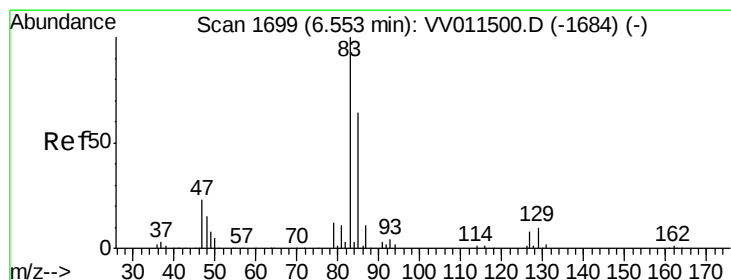
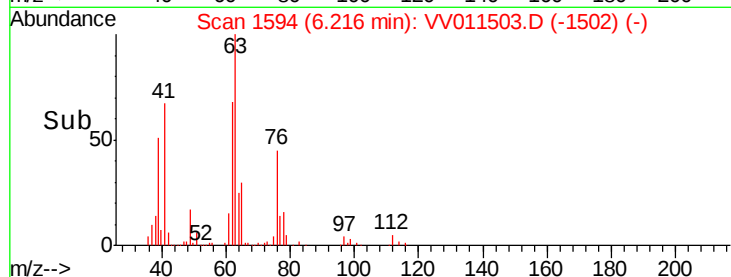
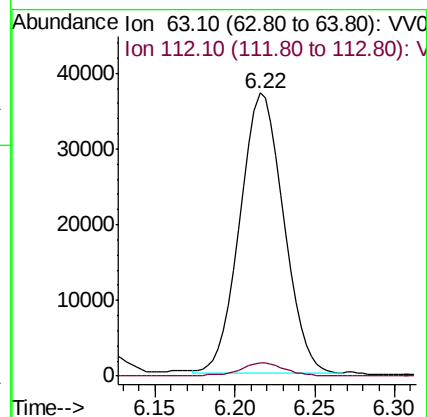
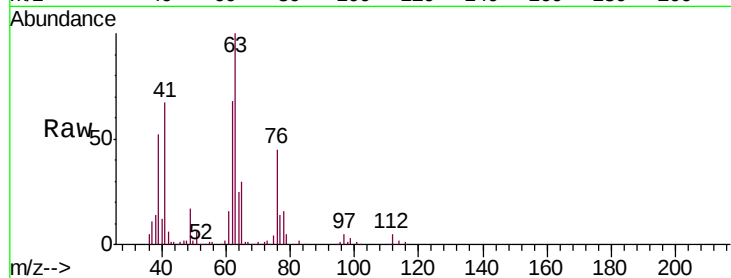
VICV36

Tgt Ion: 63 Resp: 68729

Ion Ratio Lower Upper

63 100

112 4.8 3.7 5.5



#38

Bromodichloromethane

Concen: 4.771 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VV011503.D

Acq: 14 Jun 2019 19:13

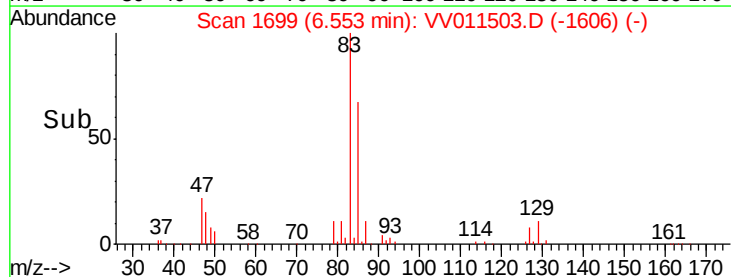
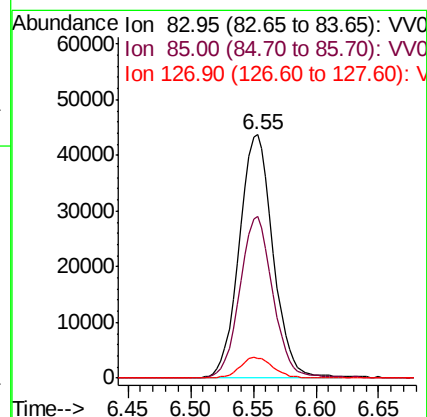
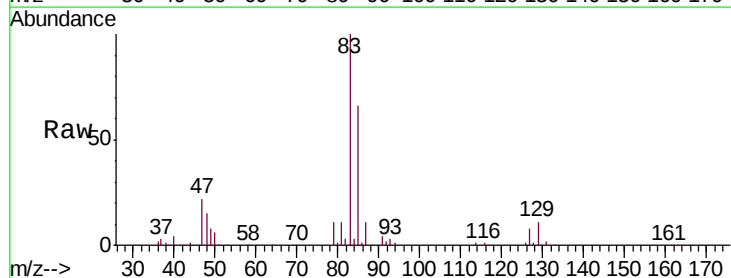
Tgt Ion: 83 Resp: 82009

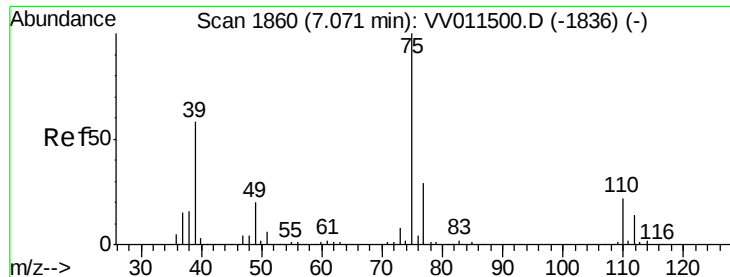
Ion Ratio Lower Upper

83 100

85 66.3 44.7 83.1

127 8.2 6.2 9.4

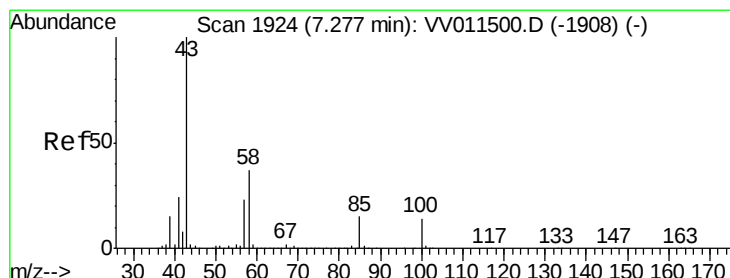
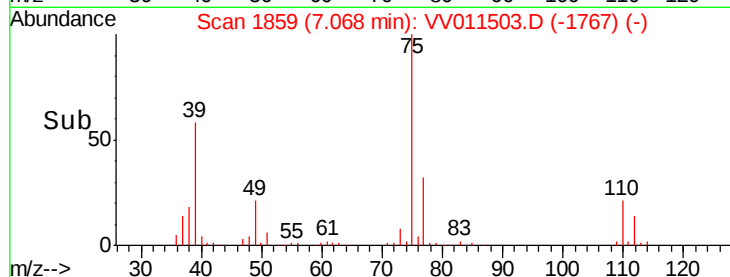
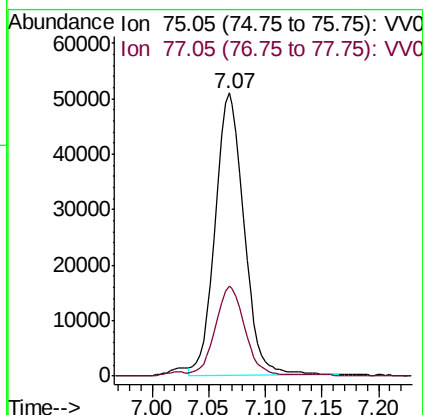
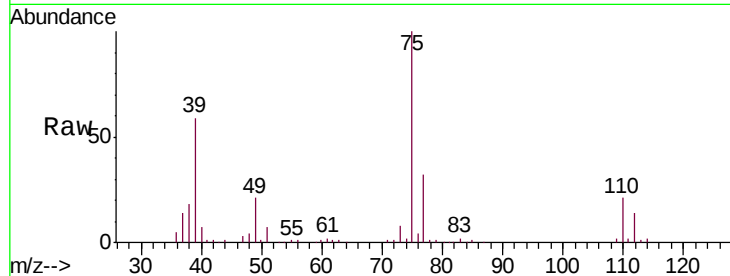




#39
 cis-1,3-Dichloropropene
 Concen: 4.738 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VV011503.D
 Acq: 14 Jun 2019 19:13

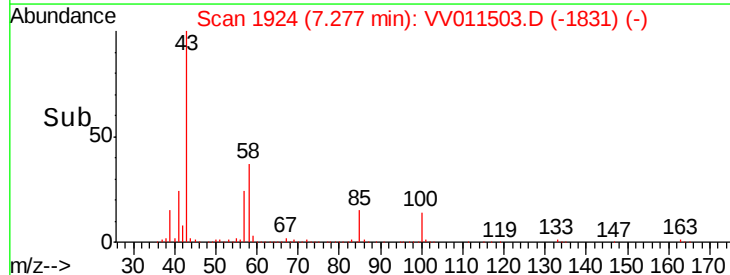
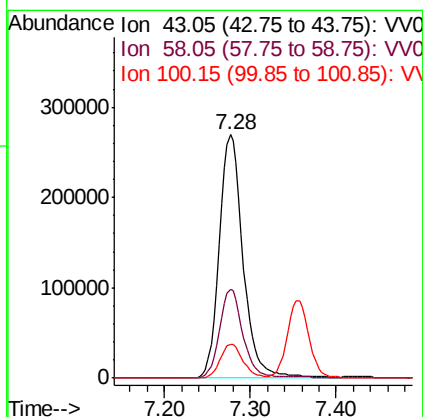
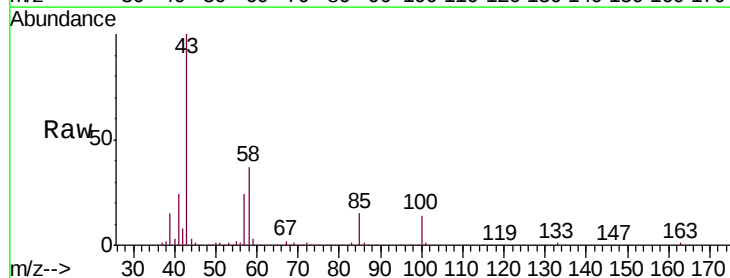
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV36

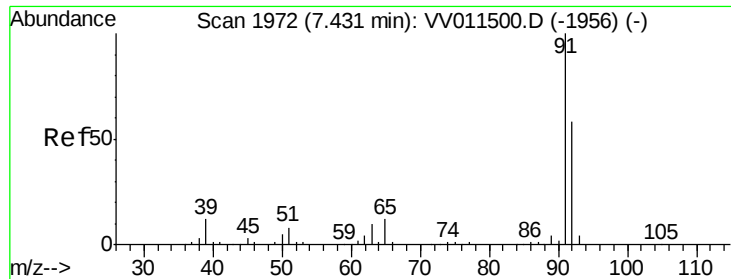
Tgt Ion: 75 Resp: 90232
 Ion Ratio Lower Upper
 75 100
 77 31.6 20.6 38.4



#40
 4-Methyl-2-pentanone
 Concen: 48.110 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. -0.00 min
 Lab File: VV011503.D
 Acq: 14 Jun 2019 19:13

Tgt Ion: 43 Resp: 518906
 Ion Ratio Lower Upper
 43 100
 58 35.5 28.7 43.1
 100 13.4 10.6 15.8





#42

Toluene

Concen: 4.937 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV011503.D

Acq: 14 Jun 2019 19:13

Instrument :

MSVOA_V

ClientSampleId :

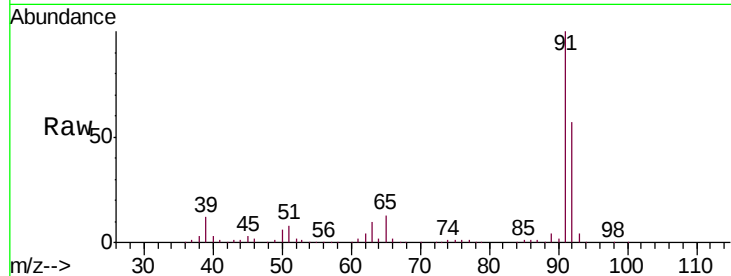
VICV36

Tgt Ion: 91 Resp: 290774

Ion Ratio Lower Upper

91 100

92 56.8 40.5 75.1



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.43

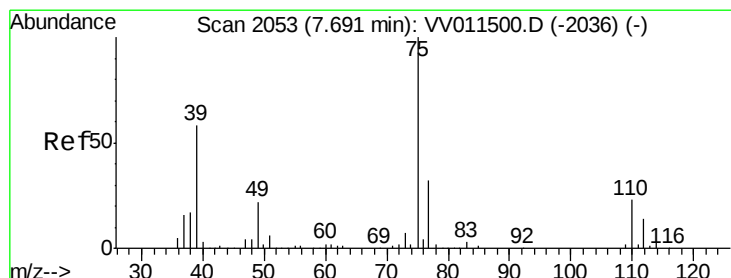
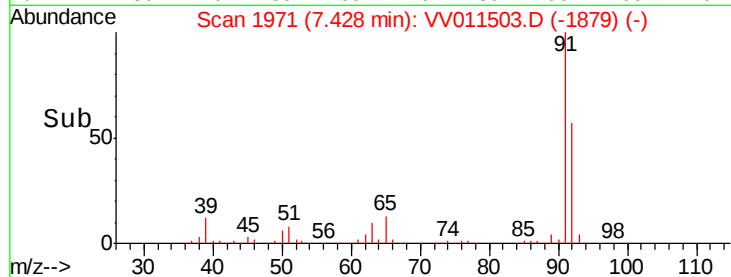
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.044 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV011503.D

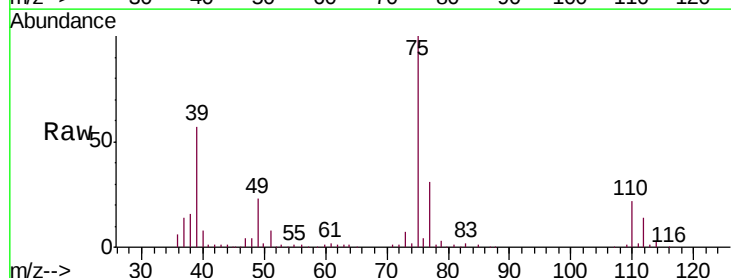
Acq: 14 Jun 2019 19:13

Tgt Ion: 75 Resp: 73488

Ion Ratio Lower Upper

75 100

77 30.7 22.8 42.4



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.69

40000

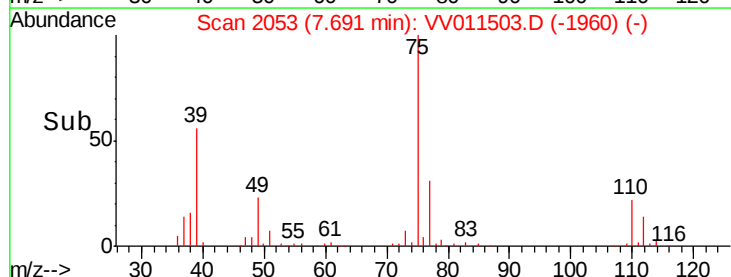
30000

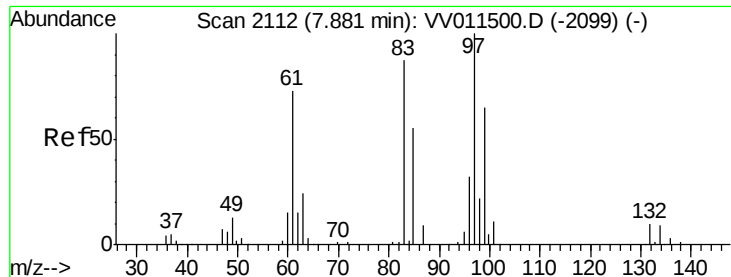
20000

10000

0

Time-->

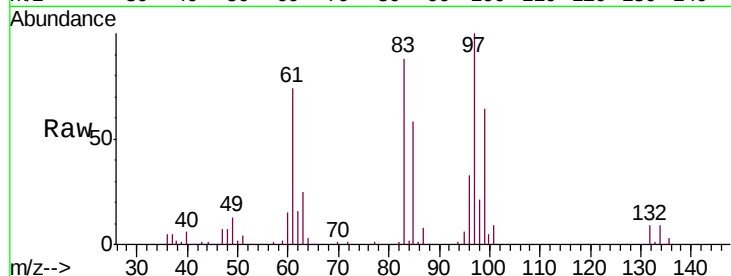




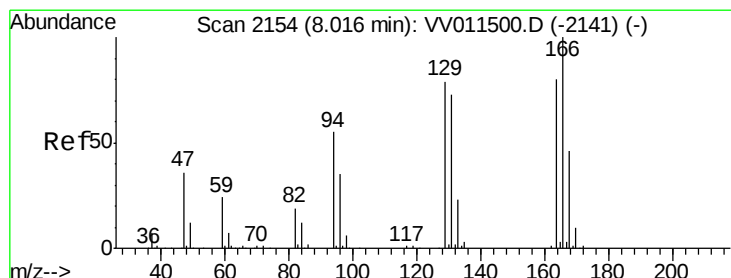
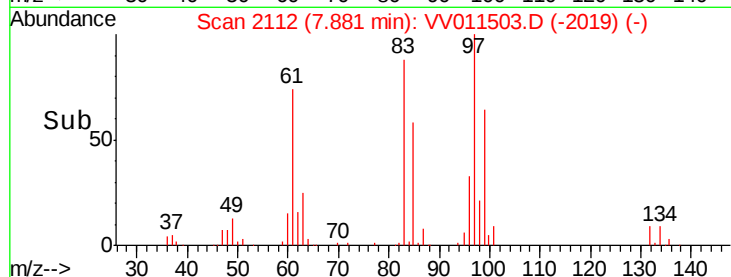
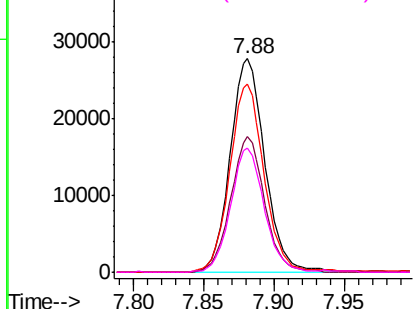
#45
 1,1,2-Trichloroethane
 Concen: 4.727 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VV011503.D
 Acq: 14 Jun 2019 19:13

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV36

Tgt Ion: 97 Resp: 47743
 Ion Ratio Lower Upper
 97 100
 99 63.8 45.4 84.4
 83 88.2 60.6 112.6
 85 58.2 38.6 71.6

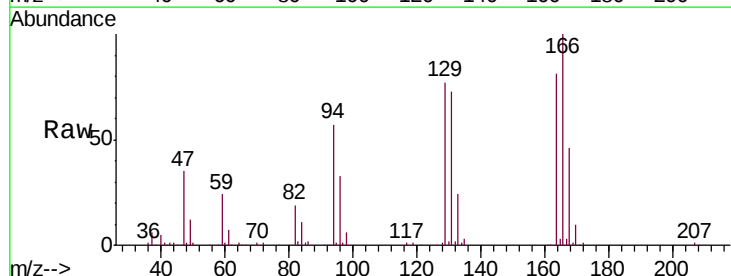


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

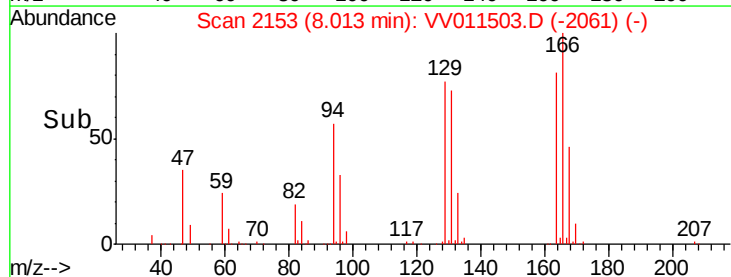
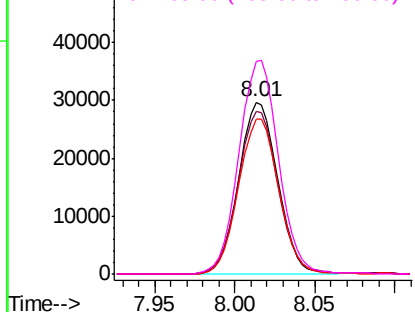


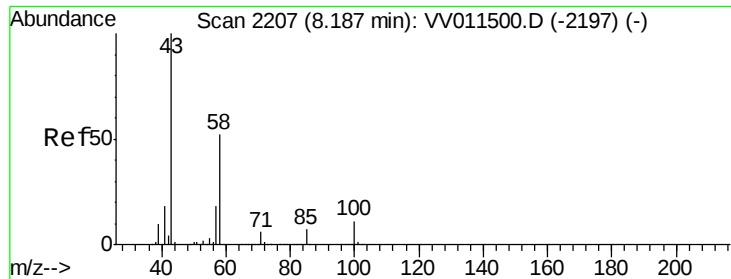
#47
 Tetrachloroethene
 Concen: 4.804 ug/L
 RT: 8.01 min Scan# 2153
 Delta R.T. -0.00 min
 Lab File: VV011503.D
 Acq: 14 Jun 2019 19:13

Tgt Ion: 164 Resp: 49658
 Ion Ratio Lower Upper
 164 100
 129 95.0 68.8 127.8
 131 90.5 63.2 117.4
 166 123.7 87.0 161.6



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

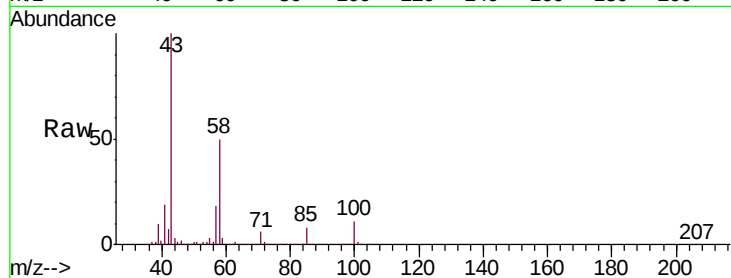




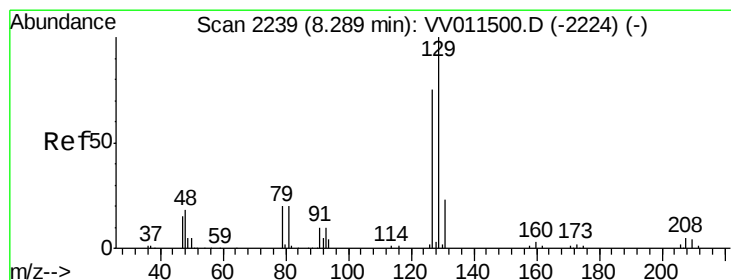
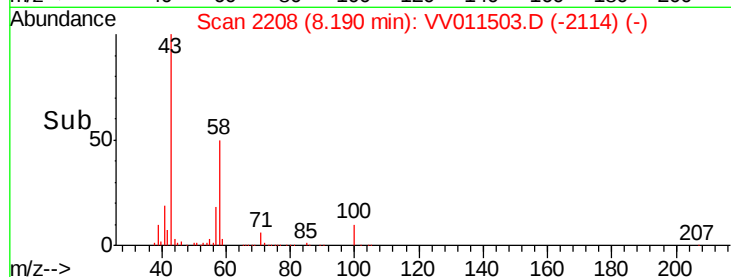
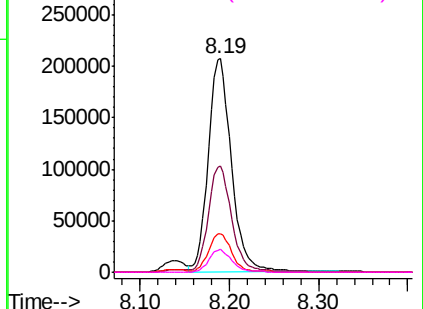
#48
2-Hexanone
Concen: 49.268 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV011503.D
Acq: 14 Jun 2019 19:13

Instrument :
MSVOA_V
ClientSampleId :
VICV36

Tgt Ion: 43 Resp: 373557
Ion Ratio Lower Upper
43 100
58 50.3 40.6 60.8
57 18.5 14.2 21.4
100 10.7 8.6 12.8

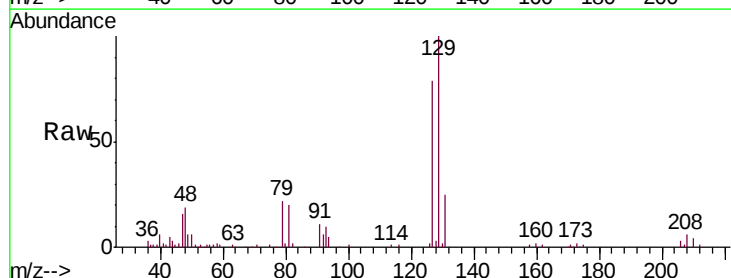


Abundance Ion 43.05 (42.75 to 43.75): VV011503.D (-2197) (-)
Ion 58.05 (57.75 to 58.75): VV011503.D (-2197) (-)
Ion 57.20 (56.90 to 57.90): VV011503.D (-2197) (-)
Ion 100.15 (99.85 to 100.85): VV011503.D (-2197) (-)

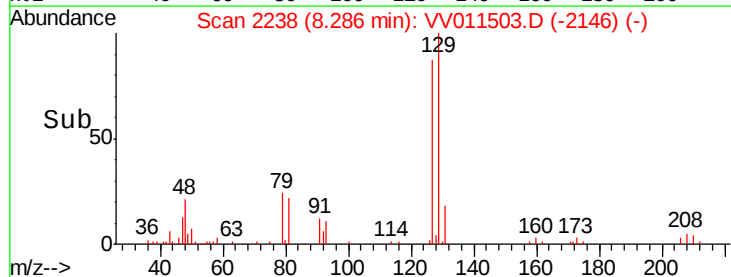
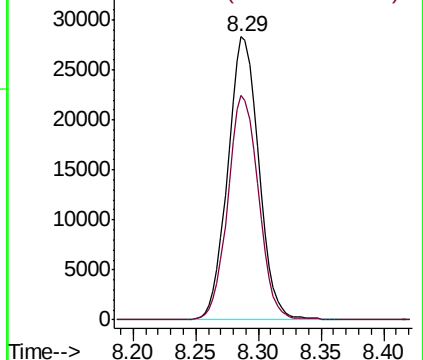


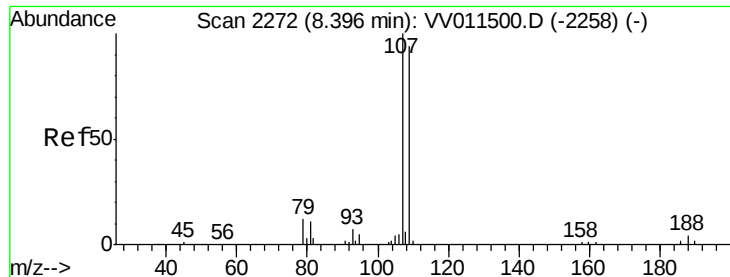
#49
Dibromochloromethane
Concen: 4.797 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. -0.00 min
Lab File: VV011503.D
Acq: 14 Jun 2019 19:13

Tgt Ion: 129 Resp: 48676
Ion Ratio Lower Upper
129 100
127 79.2 52.6 97.6



Abundance Ion 128.95 (128.65 to 129.65): VV011503.D (-2146) (-)
Ion 126.90 (126.60 to 127.60): VV011503.D (-2146) (-)

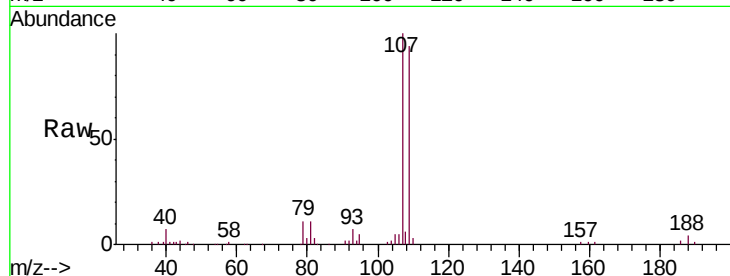




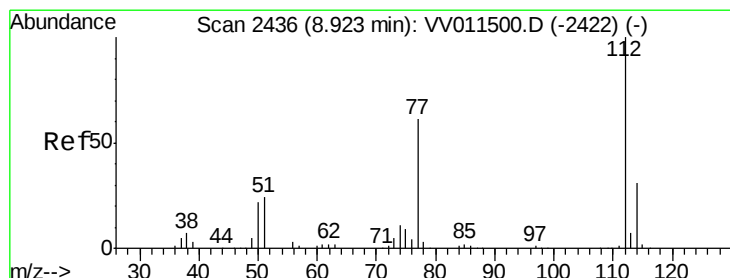
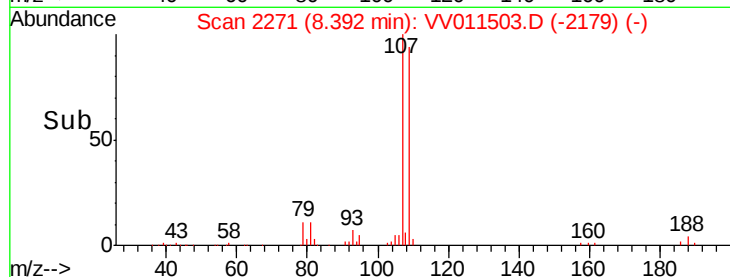
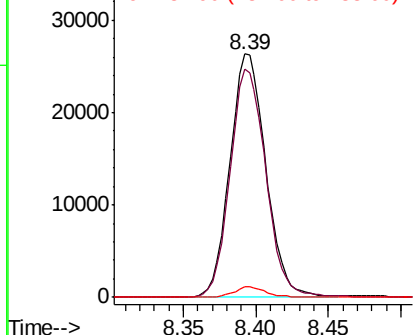
#50
 1,2-Dibromoethane
 Concen: 4.969 ug/L
 RT: 8.39 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VV011503.D
 Acq: 14 Jun 2019 19:13

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV36

Tgt Ion:107 Resp: 45387
 Ion Ratio Lower Upper
 107 100
 109 93.5 65.7 121.9
 188 4.1 2.9 4.3

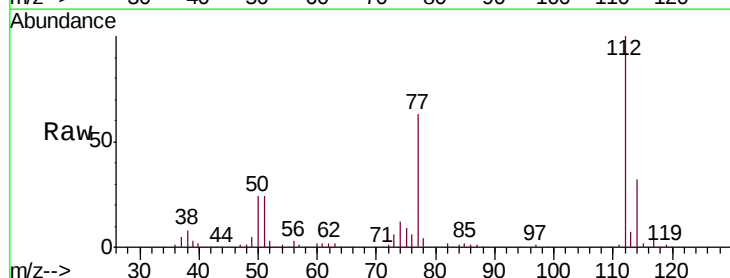


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

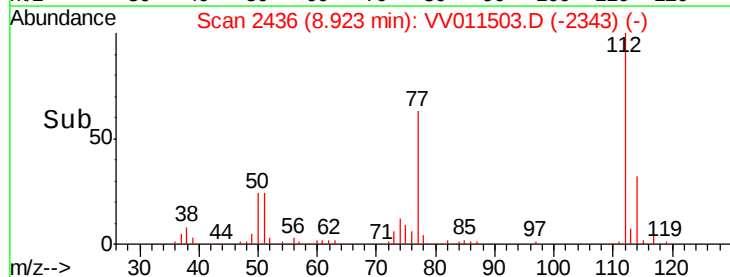
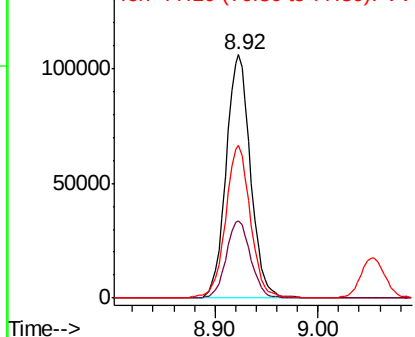


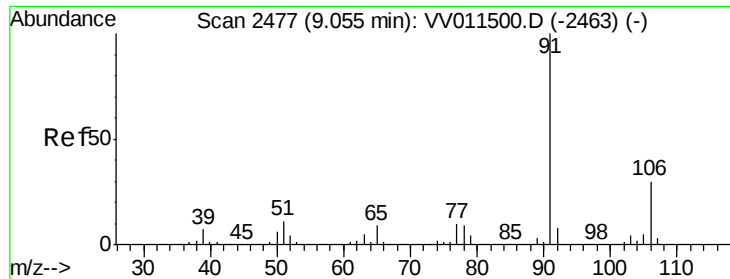
#51
 Chlorobenzene
 Concen: 4.830 ug/L
 RT: 8.92 min Scan# 2436
 Delta R.T. -0.00 min
 Lab File: VV011503.D
 Acq: 14 Jun 2019 19:13

Tgt Ion:112 Resp: 174722
 Ion Ratio Lower Upper
 112 100
 114 31.9 21.9 40.7
 77 62.6 49.3 73.9



Abundance Ion 112.10 (111.80 to 112.80): V
 Ion 114.05 (113.75 to 114.75): V
 Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 4.933 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV011503.D

Acq: 14 Jun 2019 19:13

Instrument :

MSVOA_V

ClientSampleId :

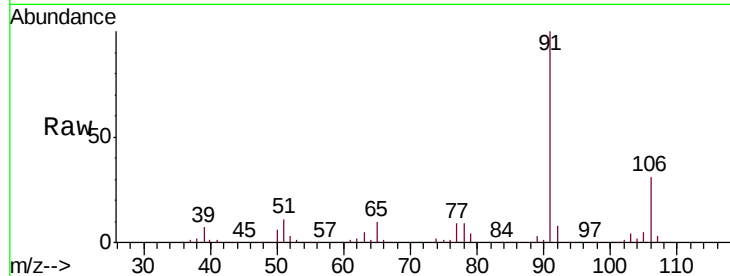
VICV36

Tgt Ion: 91 Resp: 305193

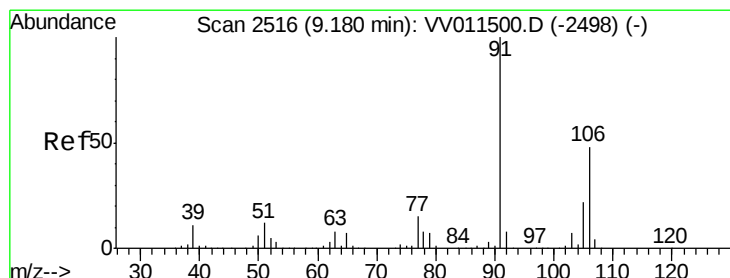
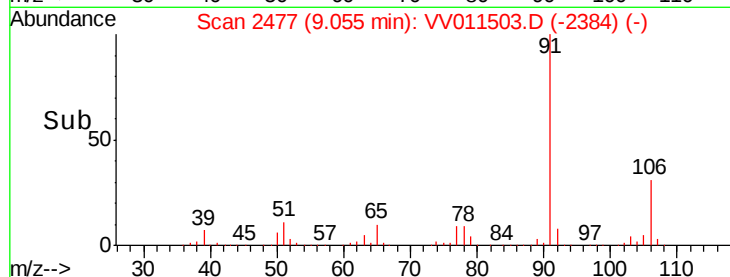
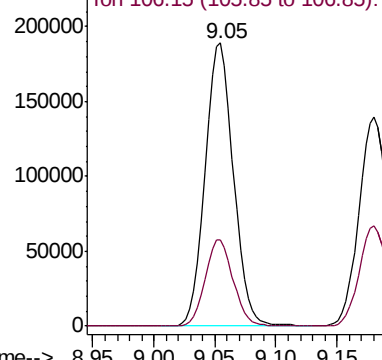
Ion Ratio Lower Upper

91 100

106 30.5 21.2 39.4



Abundance Ion 91.15 (90.85 to 91.85): VV011503.D (-2384) (-)



#53

m,p-xylene

Concen: 5.010 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV011503.D

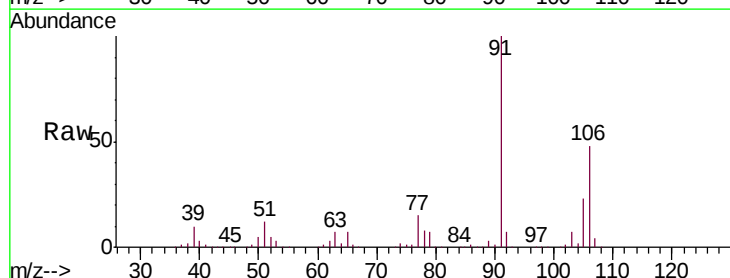
Acq: 14 Jun 2019 19:13

Tgt Ion: 106 Resp: 113438

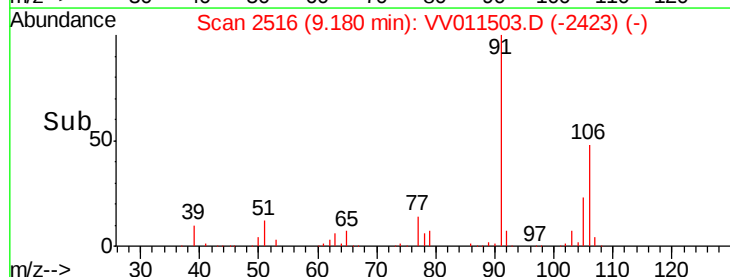
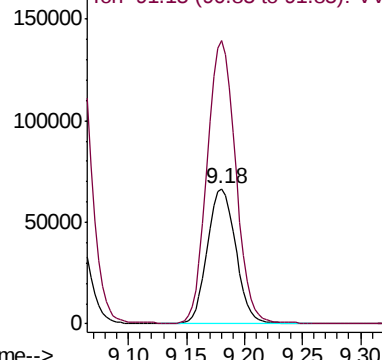
Ion Ratio Lower Upper

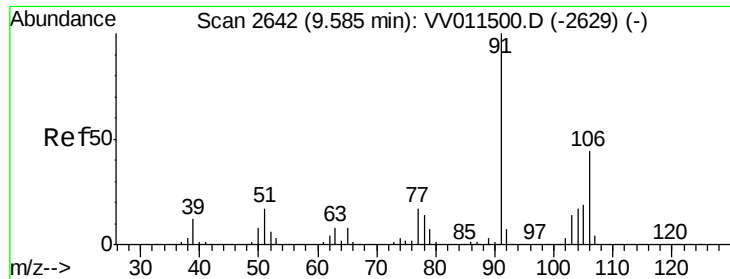
106 100

91 209.2 145.5 270.3



Abundance Ion 106.15 (105.85 to 106.85): VV011503.D (-2423) (-)

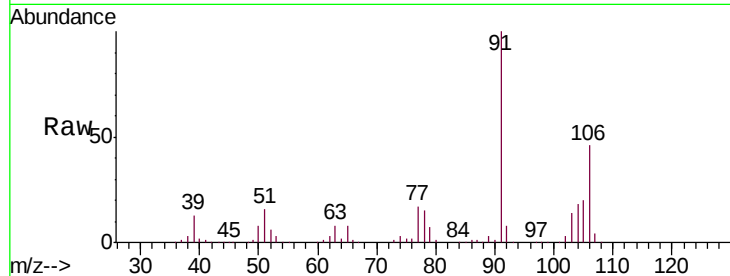




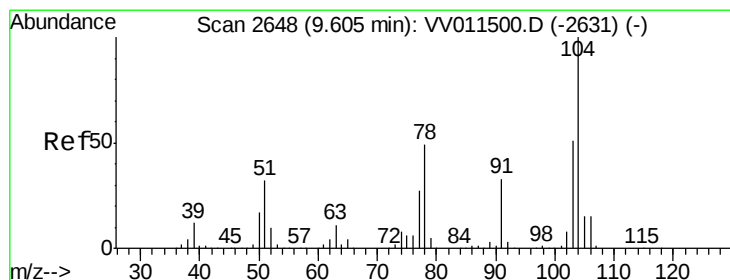
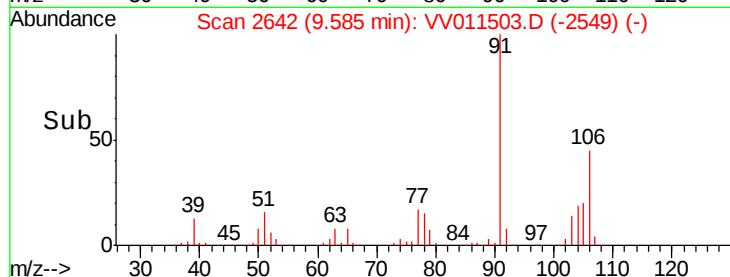
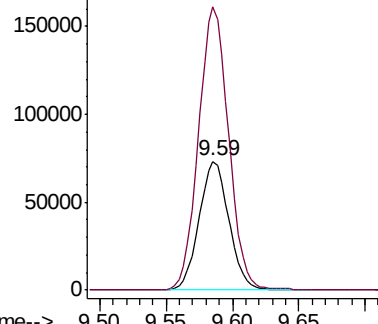
#54
o-xylene
Concen: 5.040 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. -0.00 min
Lab File: VV011503.D
Acq: 14 Jun 2019 19:13

Instrument :
MSVOA_V
ClientSampleId :
VICV36

Tgt Ion:106 Resp: 114613
Ion Ratio Lower Upper
106 100
91 219.6 158.8 294.8

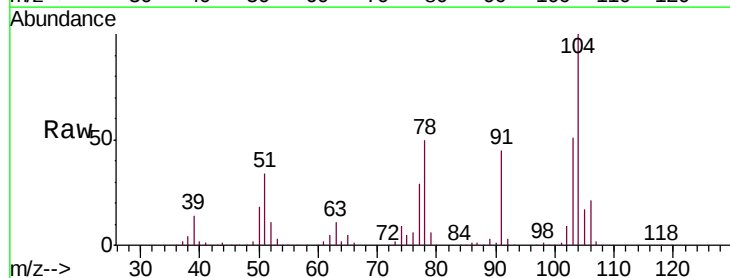


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

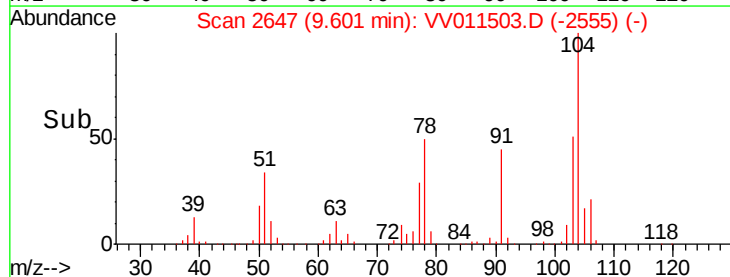
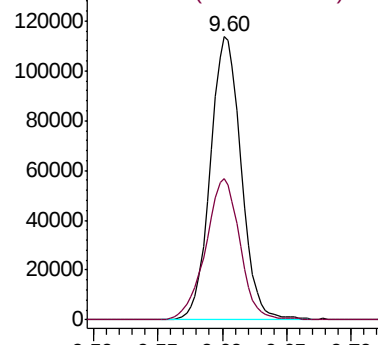


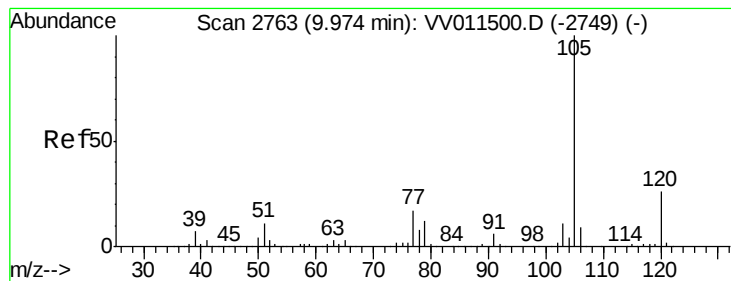
#55
Styrene
Concen: 5.019 ug/L
RT: 9.60 min Scan# 2647
Delta R.T. -0.00 min
Lab File: VV011503.D
Acq: 14 Jun 2019 19:13

Tgt Ion:104 Resp: 189297
Ion Ratio Lower Upper
104 100
78 50.1 34.0 63.2



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.004 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV011503.D

Acq: 14 Jun 2019 19:13

Instrument :

MSVOA_V

ClientSampleId :

VICV36

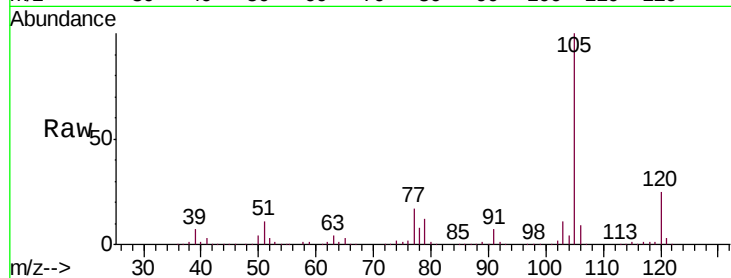
Tgt Ion: 105 Resp: 289591

Ion Ratio Lower Upper

105 100

120 25.2 20.7 31.1

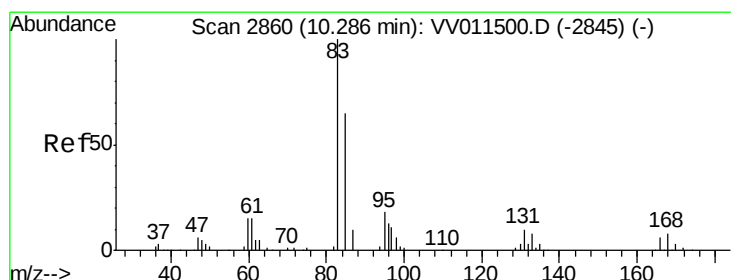
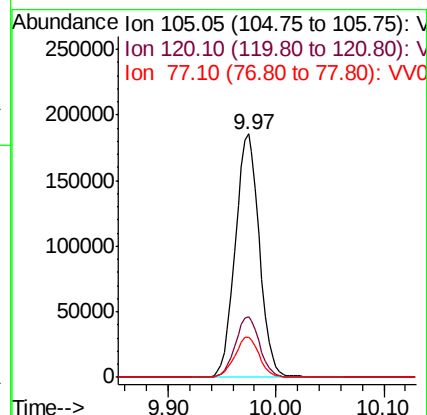
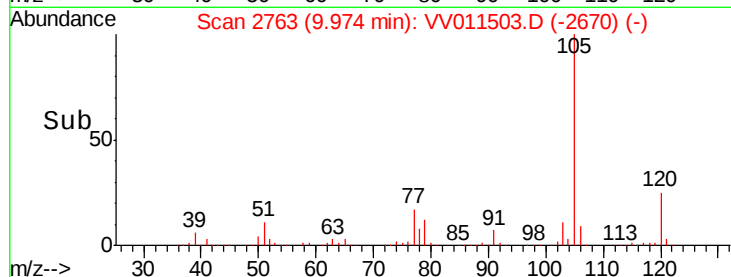
77 16.8 13.8 20.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.765 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VV011503.D

Acq: 14 Jun 2019 19:13

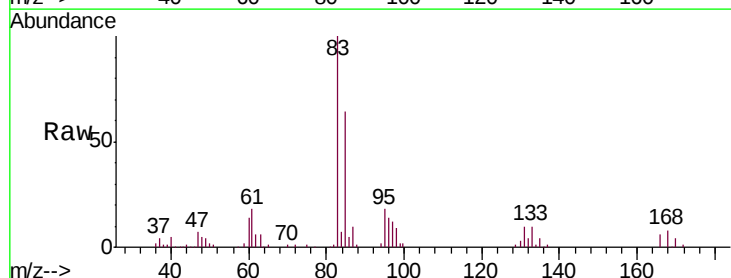
Tgt Ion: 83 Resp: 58849

Ion Ratio Lower Upper

83 100

85 63.9 45.6 84.8

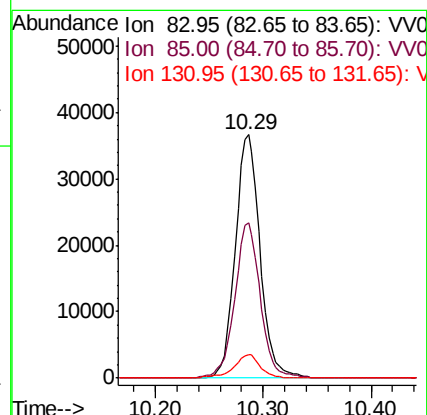
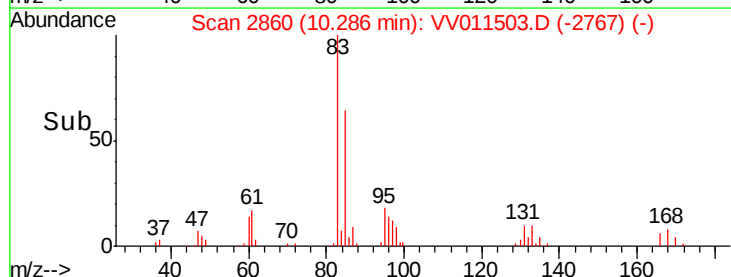
131 9.9 7.9 11.9

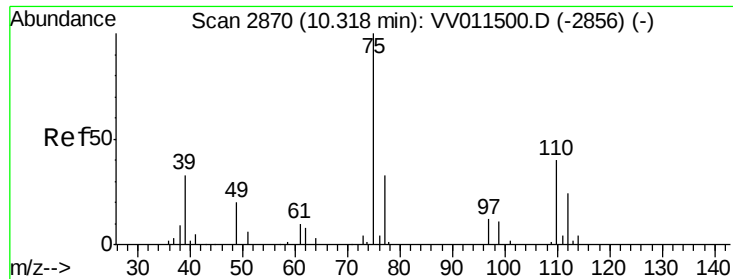


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

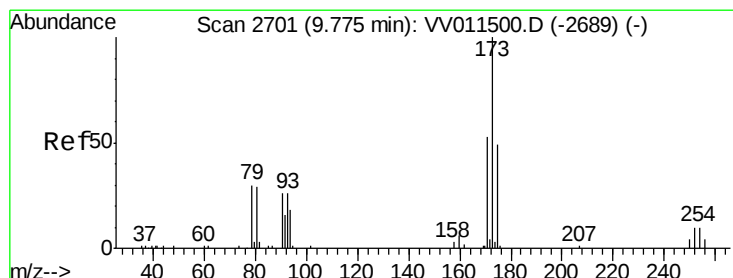
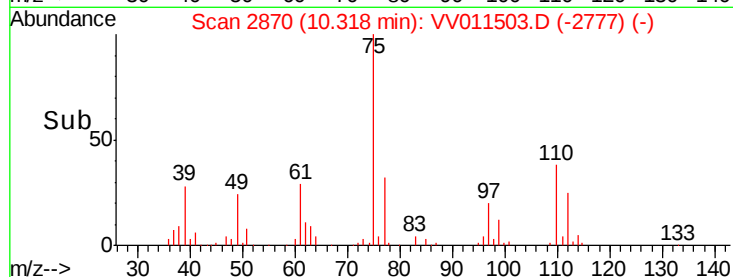
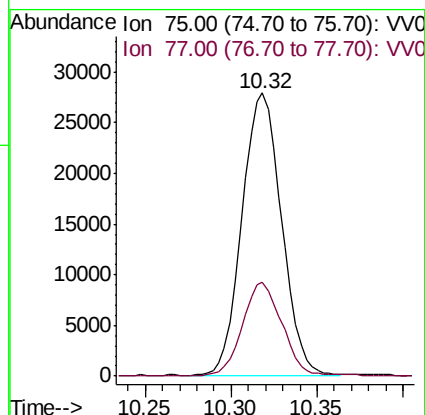
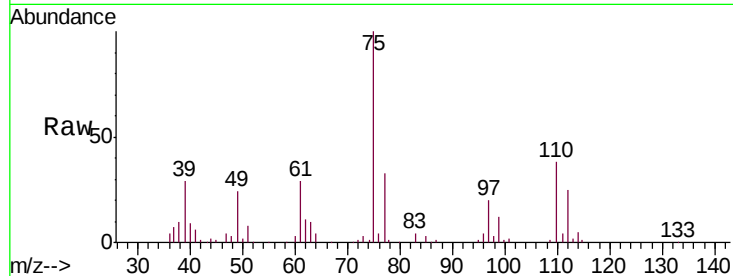




#59
 1,2,3-Trichloropropane
 Concen: 4.751 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VV011503.D
 Acq: 14 Jun 2019 19:13

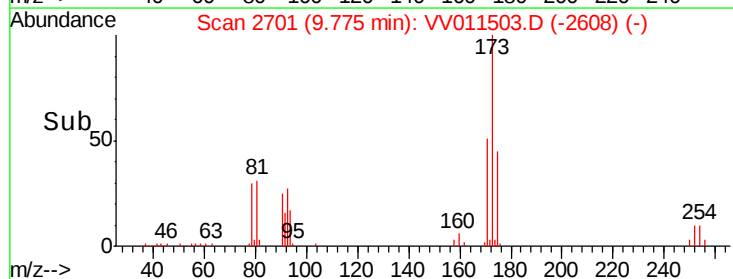
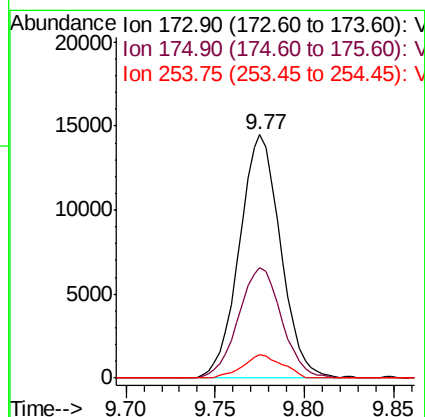
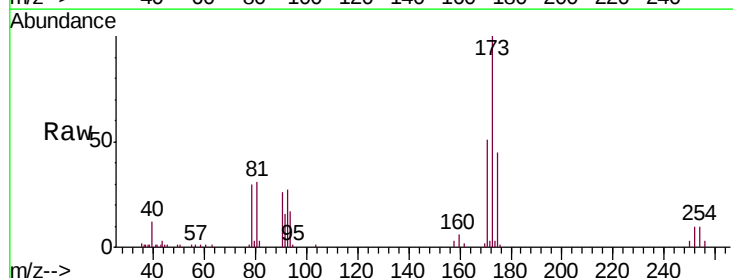
Instrument :
 MSVOA_V
 ClientSampled :
 VICV36

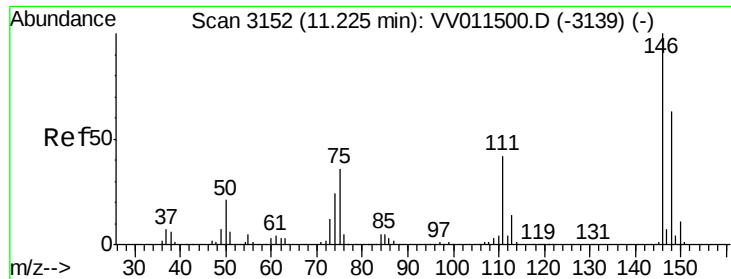
Tgt Ion: 75 Resp: 44884
 Ion Ratio Lower Upper
 75 100
 77 32.8 26.0 39.0



#61
 Bromoform
 Concen: 4.720 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. -0.00 min
 Lab File: VV011503.D
 Acq: 14 Jun 2019 19:13

Tgt Ion: 173 Resp: 23289
 Ion Ratio Lower Upper
 173 100
 175 47.5 38.3 57.5
 254 9.2 7.9 11.9





#62

1,3-Dichlorobenzene

Concen: 4.871 ug/L

RT: 11.23 min Scan# 3152

Delta R.T. -0.00 min

Lab File: VV011503.D

Acq: 14 Jun 2019 19:13

Instrument :

MSVOA_V

ClientSampled :

VICV36

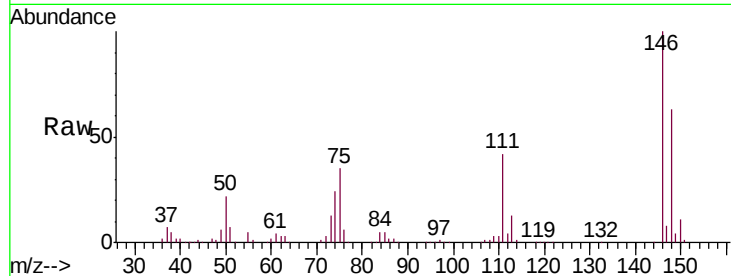
Tgt Ion:146 Resp: 122225

Ion Ratio Lower Upper

146 100

111 42.2 29.2 54.2

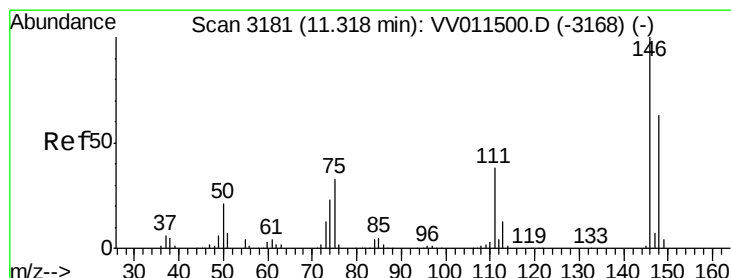
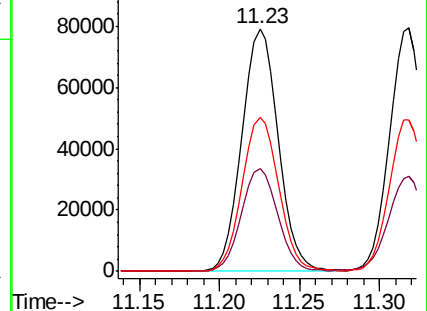
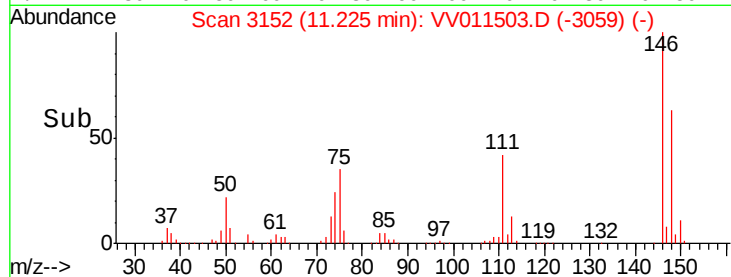
148 63.5 44.3 82.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.813 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. -0.00 min

Lab File: VV011503.D

Acq: 14 Jun 2019 19:13

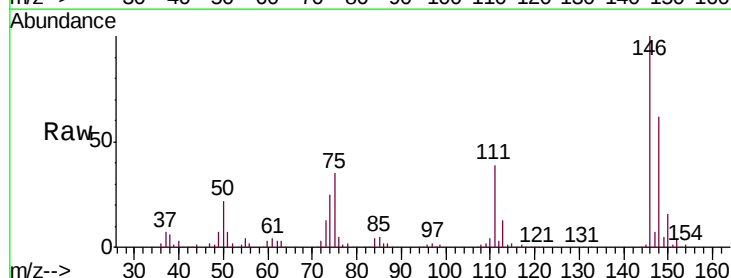
Tgt Ion:146 Resp: 123028

Ion Ratio Lower Upper

146 100

111 38.9 26.7 49.7

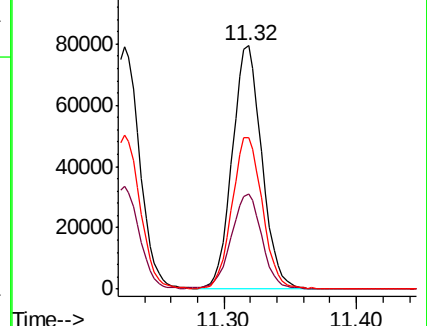
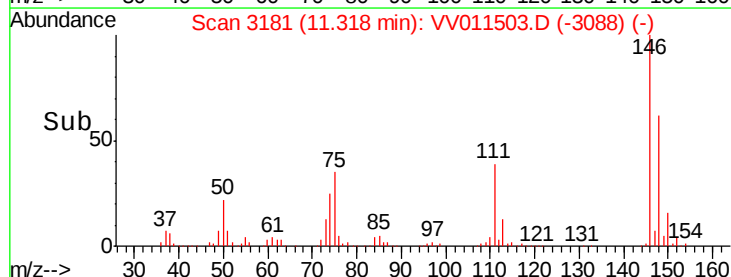
148 62.4 44.2 82.2

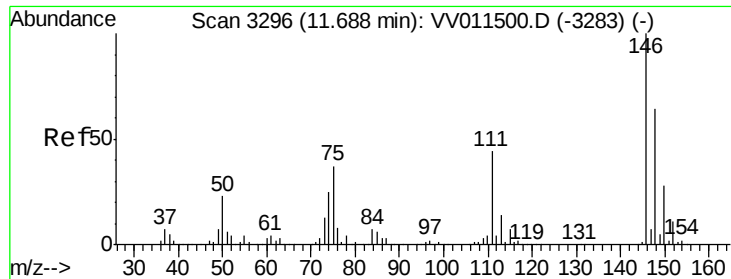


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.847 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. -0.00 min

Lab File: VV011503.D

Acq: 14 Jun 2019 19:13

Instrument :

MSVOA_V

ClientSampleId :

VICV36

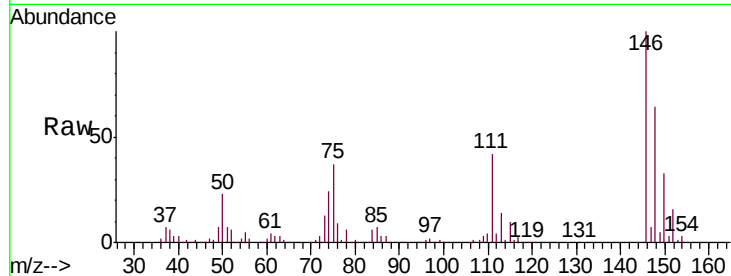
Tgt Ion:146 Resp: 122424

Ion Ratio Lower Upper

146 100

111 42.2 35.3 52.9

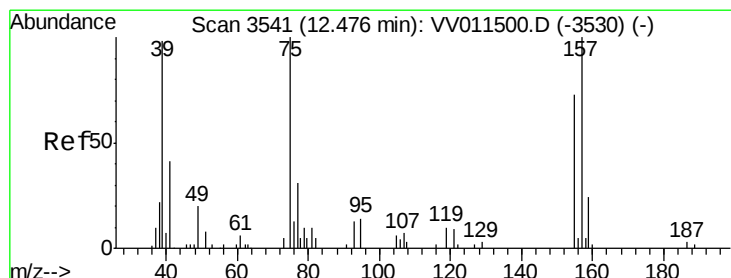
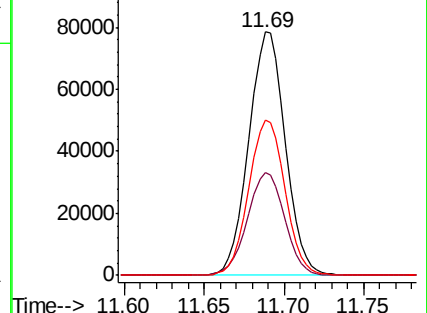
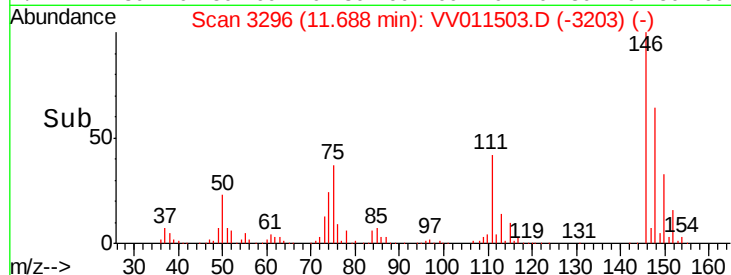
148 64.0 51.3 76.9



Abundance Ion 145.95 (145.65 to 146.65): 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: 4.710 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. -0.00 min

Lab File: VV011503.D

Acq: 14 Jun 2019 19:13

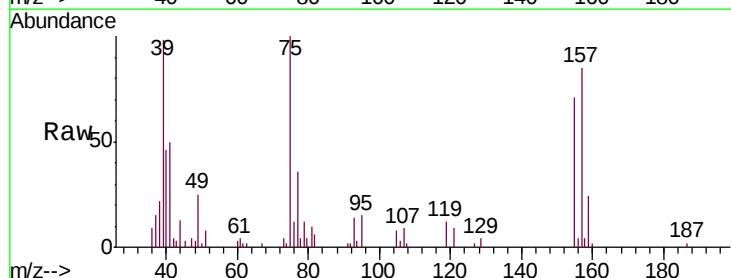
Tgt Ion: 75 Resp: 8639

Ion Ratio Lower Upper

75 100

155 71.2 58.5 87.7

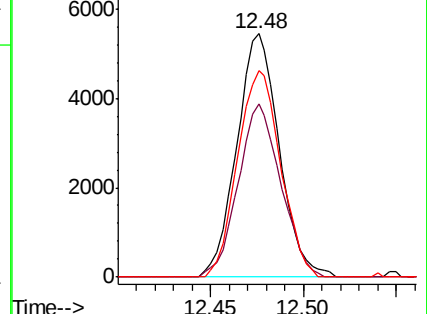
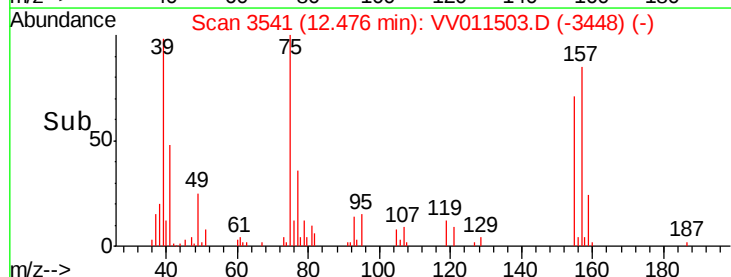
157 84.6 79.8 119.6

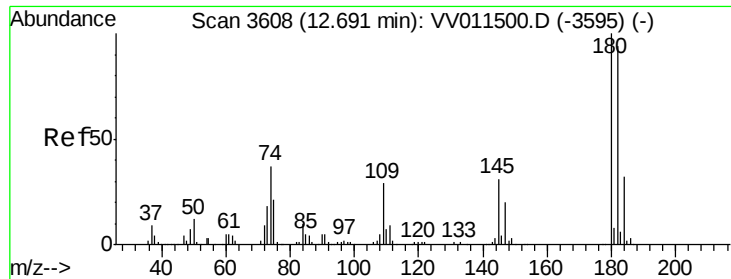


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

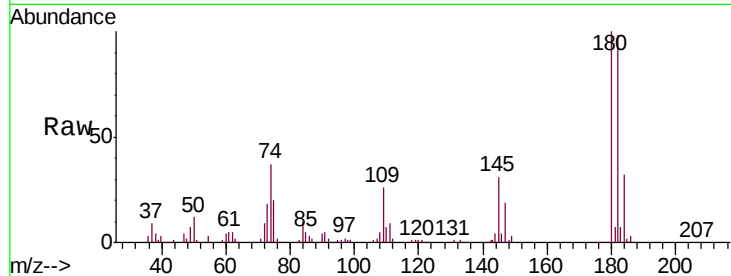




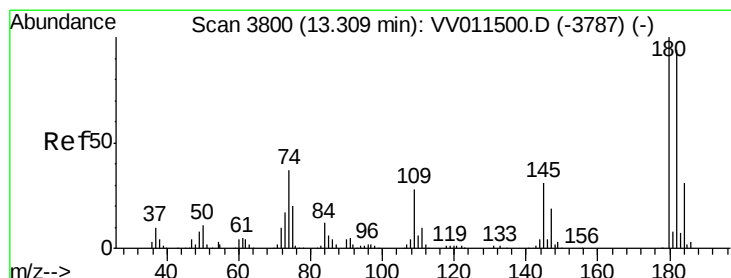
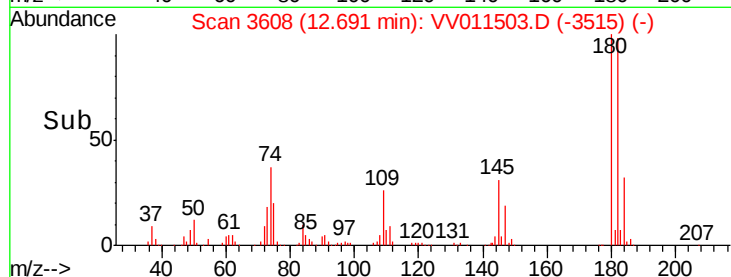
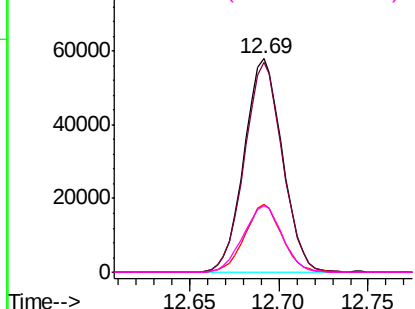
#67
 1,3,5-Trichlorobenzene
 Concen: 4.754 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. -0.00 min
 Lab File: VV011503.D
 Acq: 14 Jun 2019 19:13

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV36

Tgt Ion:180 Resp: 87124
 Ion Ratio Lower Upper
 180 100
 182 97.7 75.4 113.0
 184 30.8 24.0 36.0
 145 31.8 24.4 36.6

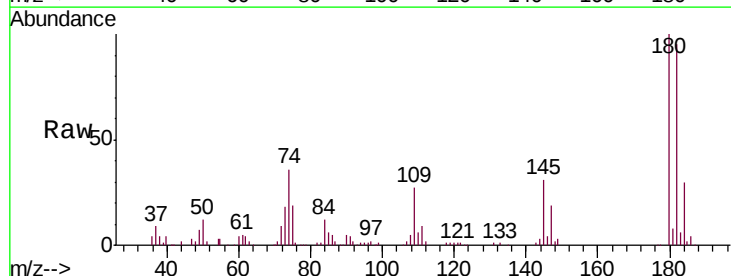


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

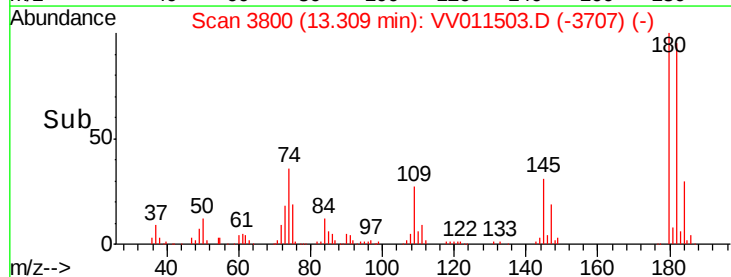
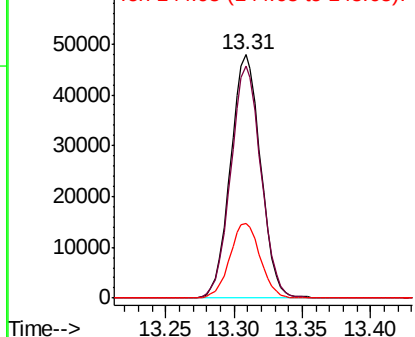


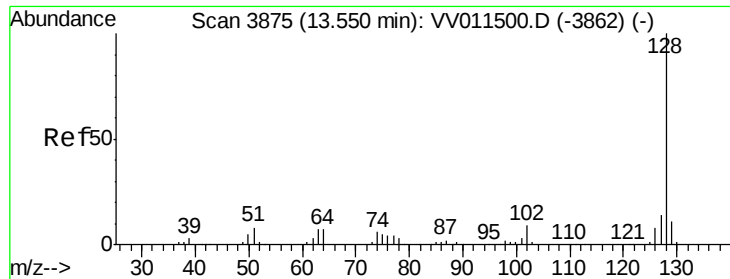
#68
 1,2,4-trichlorobenzene
 Concen: 4.983 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. -0.00 min
 Lab File: VV011503.D
 Acq: 14 Jun 2019 19:13

Tgt Ion:180 Resp: 73332
 Ion Ratio Lower Upper
 180 100
 182 95.6 76.2 114.4
 145 30.9 24.7 37.1



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.868 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. -0.00 min

Lab File: VV011503.D

Acq: 14 Jun 2019 19:13

Instrument :

MSVOA_V

ClientSampleId :

VICV36

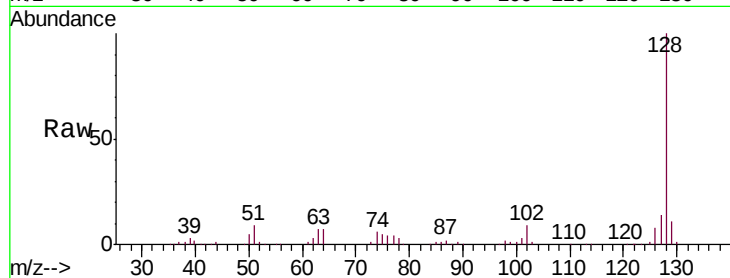
Tgt Ion:128 Resp: 140885

Ion Ratio Lower Upper

128 100

129 10.7 8.7 13.1

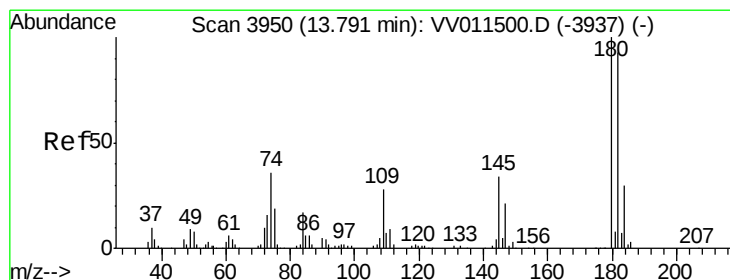
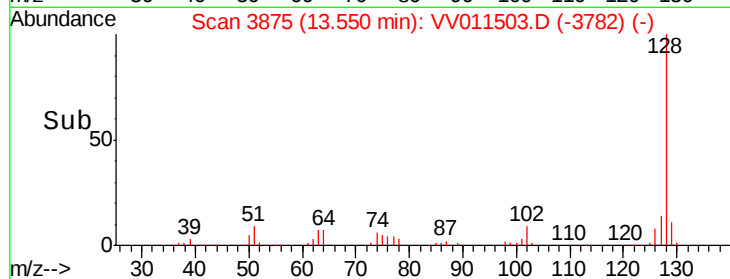
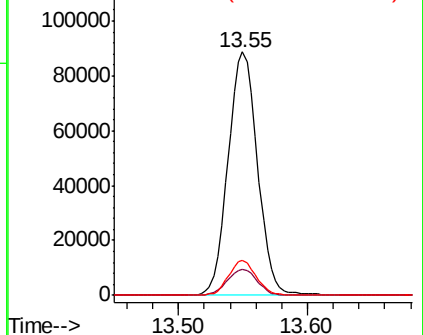
127 13.5 10.9 16.3



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: 4.939 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VV011503.D

Acq: 14 Jun 2019 19:13

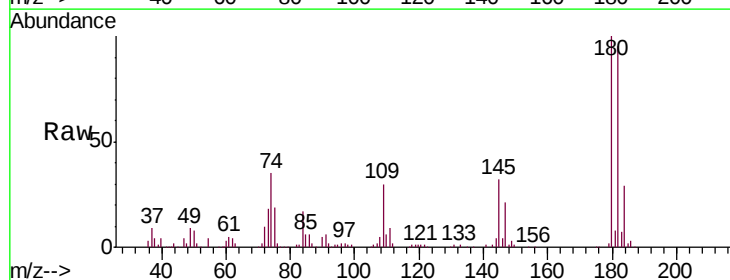
Tgt Ion:180 Resp: 70488

Ion Ratio Lower Upper

180 100

182 96.8 76.6 115.0

145 32.4 27.1 40.7



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

