

Data File : VV011204.D
Acq On : 04 Jun 2019 13:53
Operator : SY/MD
Sample : VSTD00503
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00539

Quant Time: Jun 04 14:12:59 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR060419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jun 04 12:47:14 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	187089	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	176305	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	81450	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	68924	6.27	ug/L	0.00
7) Chloroethane-d5	1.58	69	55475	7.83	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	139581	6.37	ug/L	0.00
20) 2-Butanone-d5	3.96	46	165503	64.09	ug/L	0.00
24) Chloroform-d	4.40	84	124491	5.07	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	67772	5.67	ug/L	0.00
32) Benzene-d6	5.09	84	257107	5.68	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	79156	5.86	ug/L	0.00
41) Toluene-d8	7.36	98	239747	5.46	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	30274	6.30	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	130756	68.12	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	53700	5.33	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	79620	5.20	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	89065	5.226 ug/L	98
3) Chloromethane	1.25	50	86691	5.988 ug/L	99
5) Vinyl chloride	1.32	62	84656	5.790 ug/L	93
6) Bromomethane	1.53	94	43670	4.959 ug/L	96
8) Chloroethane	1.60	64	53277	8.315 ug/L	89
9) Trichlorofluoromethane	1.76	101	113998	4.878 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	59306	4.827 ug/L	91
12) 1,1-Dichloroethene	2.14	96	55223	4.947 ug/L	87
13) Acetone	2.22	43	105242	68.638 ug/L	93
14) Carbon disulfide	2.31	76	171585	5.616 ug/L	100
15) Methyl Acetate	2.47	43	26550	5.597 ug/L	97
16) Methylene chloride	2.53	84	58201	4.367 ug/L	79
17) Methyl tert-butyl Ether	2.81	73	154557	5.830 ug/L	96
18) trans-1,2-Dichloroethene	2.78	96	65024	5.085 ug/L	93
19) 1,1-Dichloroethane	3.23	63	125677	5.367 ug/L	98
21) 2-Butanone	4.05	43	165458	63.494 ug/L	96
22) cis-1,2-Dichloroethene	3.96	96	69686	5.076 ug/L	76
23) Bromochloromethane	4.30	128	27995	4.816 ug/L	82
25) Chloroform	4.43	83	130519	5.215 ug/L	99
27) 1,2-Dichloroethane	5.18	62	79082	5.517 ug/L	97
29) 1,1,1-Trichloroethane	4.65	97	107362	5.302 ug/L	96
30) Cyclohexane	4.72	56	118310	6.209 ug/L	95
31) Carbon tetrachloride	4.87	117	89058	4.916 ug/L	100
33) Benzene	5.14	78	276975	5.701 ug/L	100
34) Trichloroethene	5.96	95	69759	5.100 ug/L	96
35) Methylcyclohexane	6.17	83	112734	5.689 ug/L	96
37) 1,2-Dichloropropane	6.22	63	67871	5.717 ug/L	100
38) Bromodichloromethane	6.56	83	83176	5.495 ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	100427	6.242 ug/L	96
40) 4-Methyl-2-pentanone	7.28	43	435704	66.854 ug/L	98

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Quant Title : TRACE VOA SOM01.0
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	294281	5.415	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	75149	5.988	ug/L	95
45) 1,1,2-Trichloroethane	7.88	97	42796	5.074	ug/L	91
47) Tetrachloroethene	8.02	164	50271	4.656	ug/L	99
48) 2-Hexanone	8.19	43	311327	66.596	ug/L	97
49) Dibromochloromethane	8.29	129	50685	5.160	ug/L	100
50) 1,2-Dibromoethane	8.40	107	41950	5.566	ug/L	97
51) Chlorobenzene	8.92	112	177776	5.031	ug/L	93
52) Ethylbenzene	9.05	91	325146	5.641	ug/L	99
53) m,p-xylene	9.18	106	119880	5.430	ug/L	94
54) o-xylene	9.59	106	118976	5.535	ug/L	97
55) Styrene	9.60	104	199816	5.603	ug/L	96
56) Isopropylbenzene	9.97	105	313507	5.620	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.29	83	53186	5.583	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	39492	5.849	ug/L	96
61) Bromoform	9.77	173	23759	4.838	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	130409	4.990	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	124397	4.777	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	121362	4.885	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	8318	5.841	ug/L #	81
67) 1,3,5-Trichlorobenzene	12.69	180	93885	4.788	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	71464	4.858	ug/L	99
69) Naphthalene	13.55	128	120129	5.339	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	66639	5.079	ug/L	97

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

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ALS Vial      : 1      Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
VSTD00539

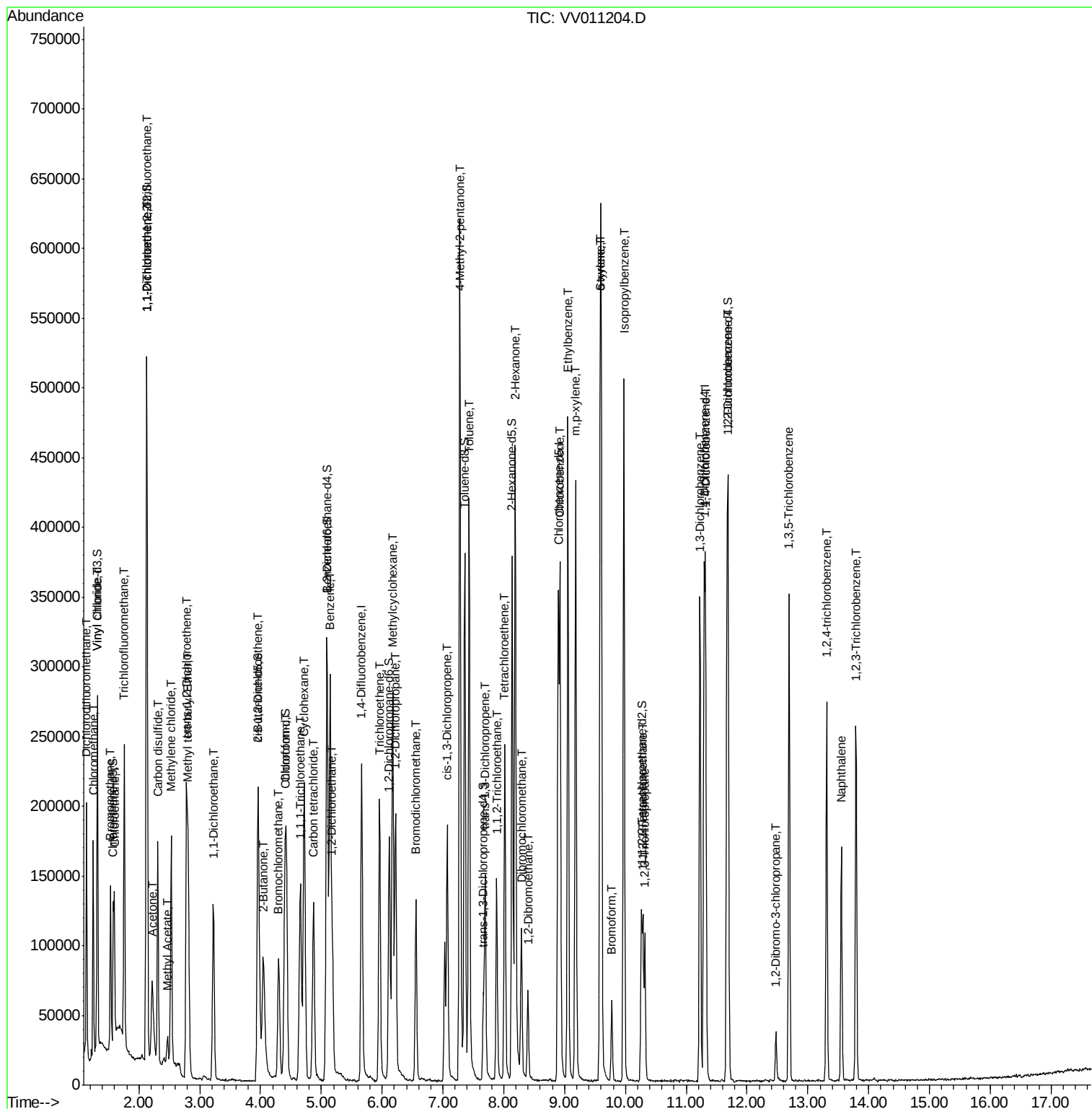
Quant Time: Jun 04 14:12:59 2019

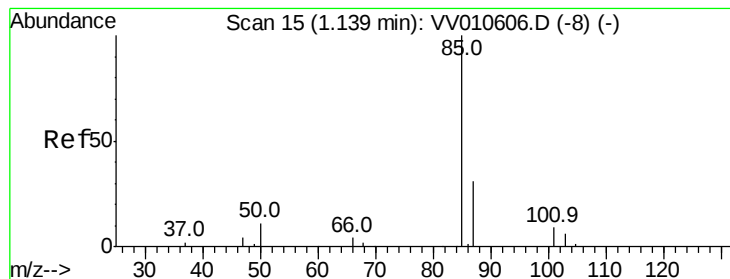
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVTR060419WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Tue Jun 04 12:47:14 2019

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#2

Dichlorodifluoromethane

Concen: 5.226 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV011204.D

Acq: 04 Jun 2019 13:53

Instrument :

MSVOA_V

ClientSampleId :

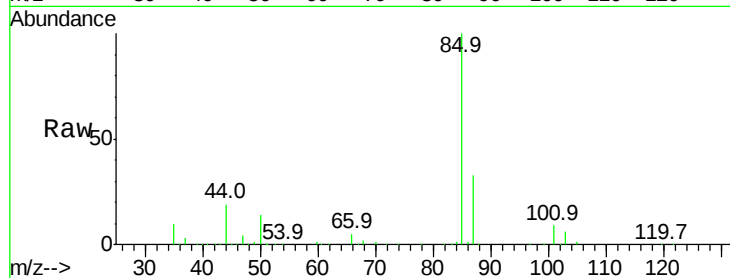
VSTD00539

Tgt Ion: 85 Resp: 89065

Ion Ratio Lower Upper

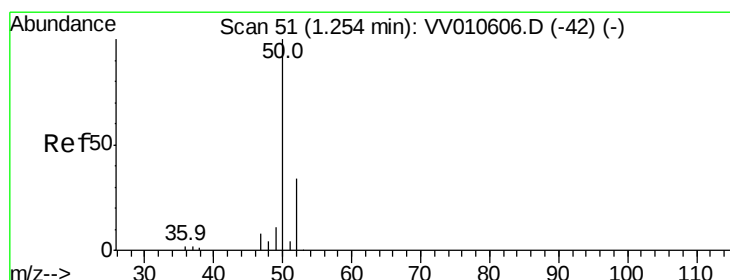
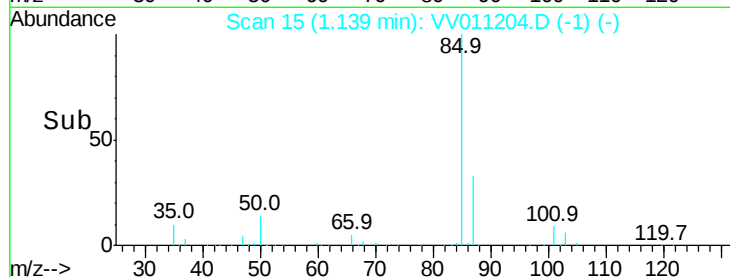
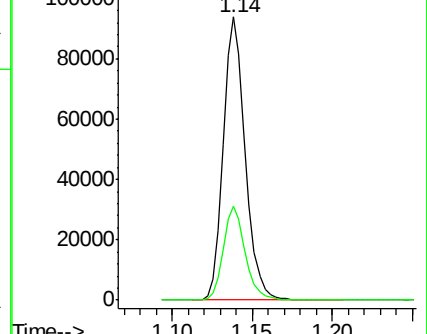
85 100

87 33.1 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: 5.988 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.01 min

Lab File: VV011204.D

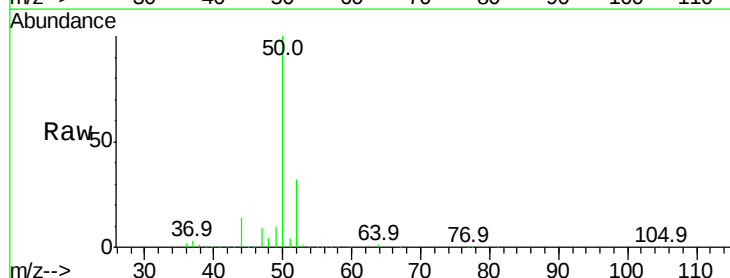
Acq: 04 Jun 2019 13:53

Tgt Ion: 50 Resp: 86691

Ion Ratio Lower Upper

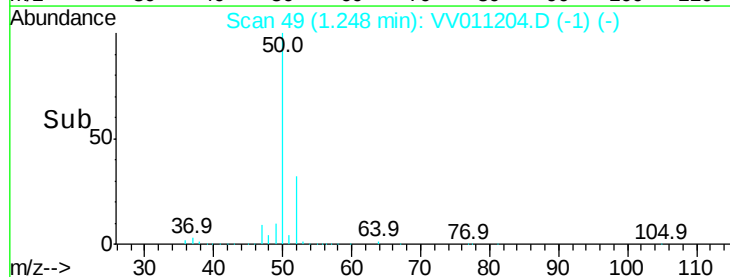
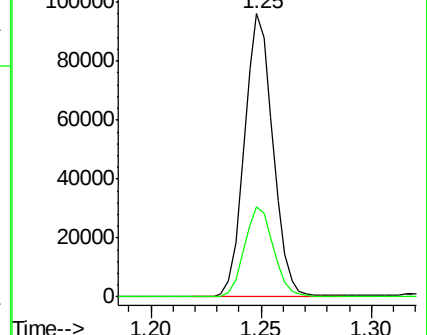
50 100

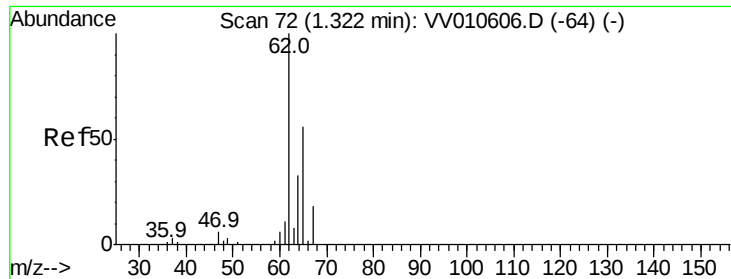
52 31.9 22.0 41.0



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 5.790 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV011204.D

Acq: 04 Jun 2019 13:53

Instrument :

MSVOA_V

ClientSampleId :

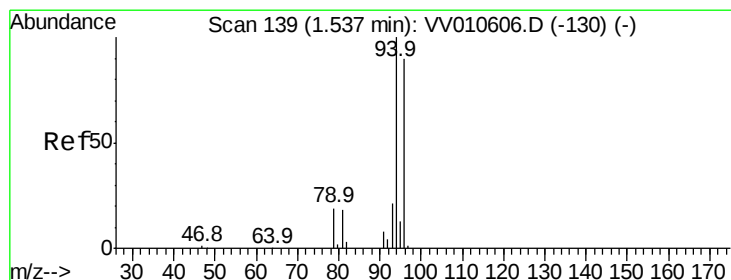
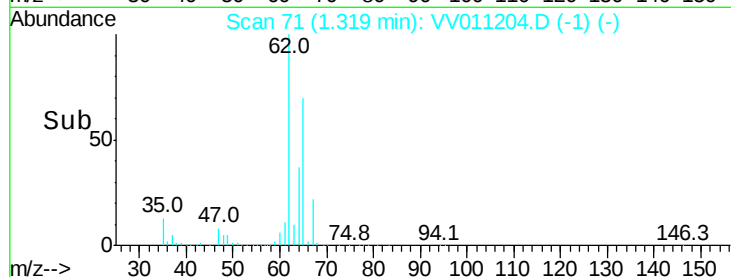
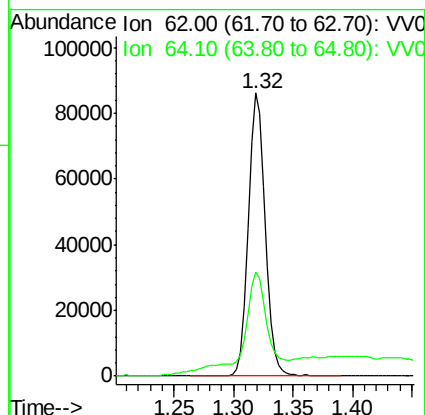
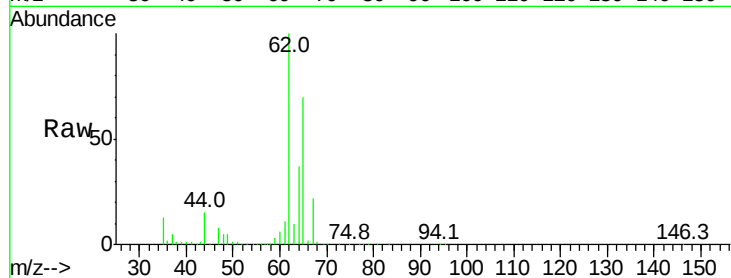
VSTD00539

Tgt Ion: 62 Resp: 84656

Ion Ratio Lower Upper

62 100

64 37.0 23.1 42.9



#6

Bromomethane

Concen: 4.959 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV011204.D

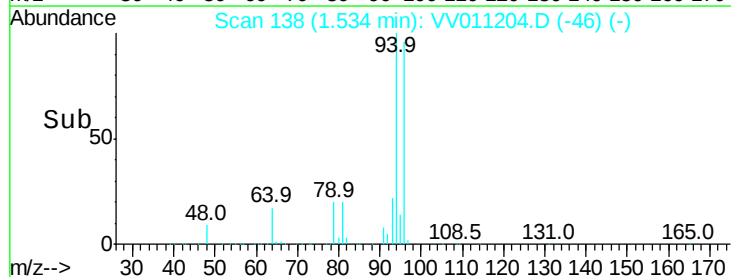
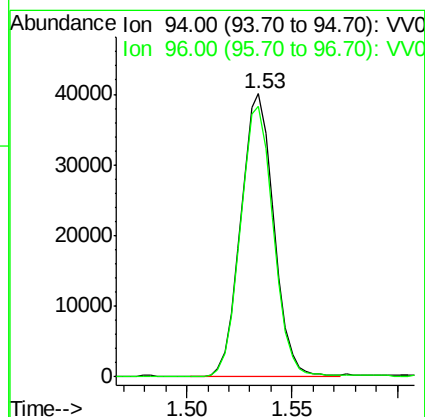
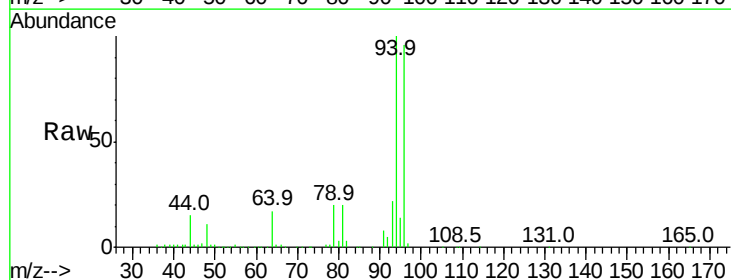
Acq: 04 Jun 2019 13:53

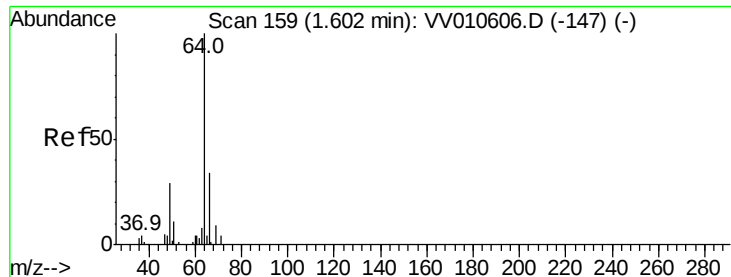
Tgt Ion: 94 Resp: 43670

Ion Ratio Lower Upper

94 100

96 95.7 64.5 119.7





#8

Chloroethane

Concen: 8.315 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.01 min

Lab File: VV011204.D

Acq: 04 Jun 2019 13:53

Instrument :

MSVOA_V

ClientSampleId :

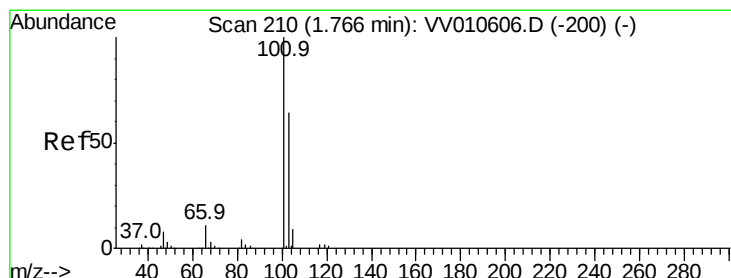
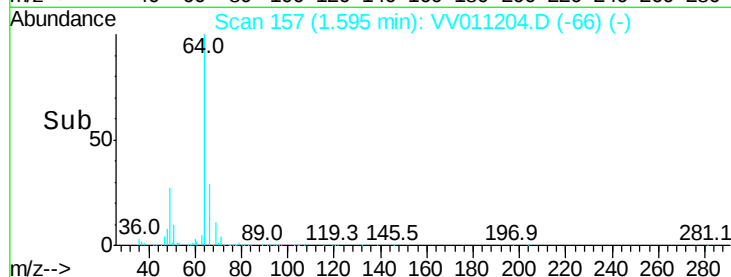
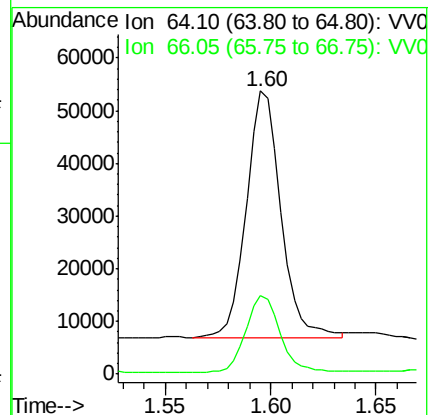
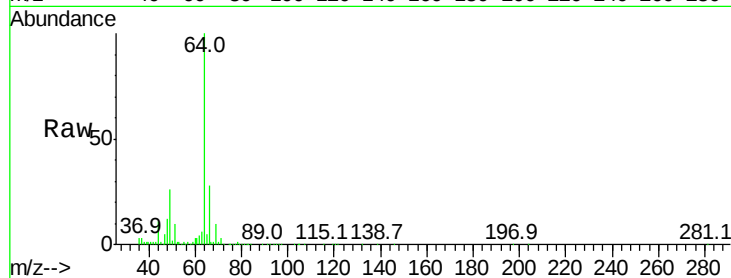
VSTD00539

Tgt Ion: 64 Resp: 53277

Ion Ratio Lower Upper

64 100

66 27.7 23.8 44.2



#9

Trichlorofluoromethane

Concen: 4.878 ug/L

RT: 1.76 min Scan# 208

Delta R.T. -0.01 min

Lab File: VV011204.D

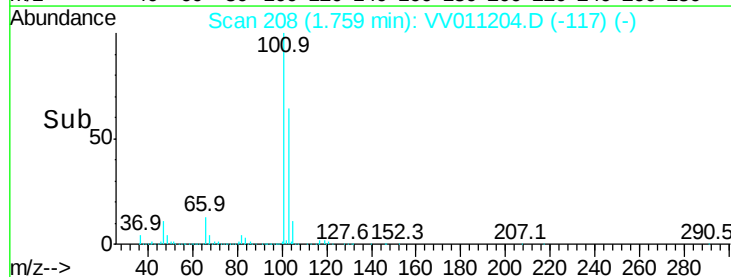
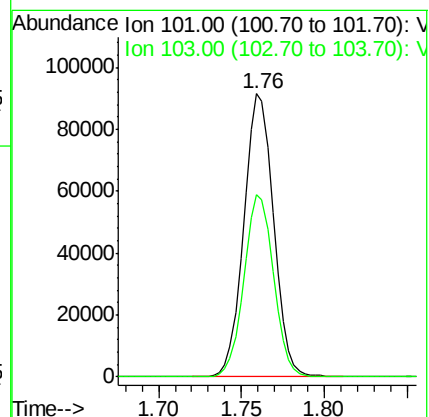
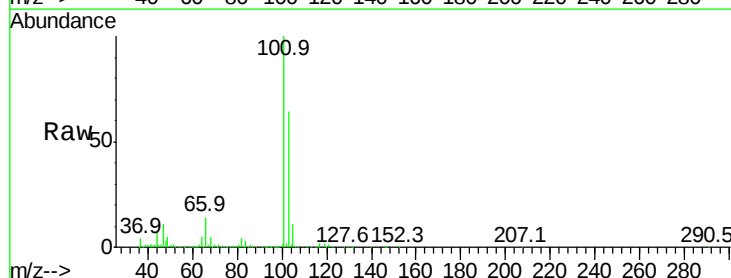
Acq: 04 Jun 2019 13:53

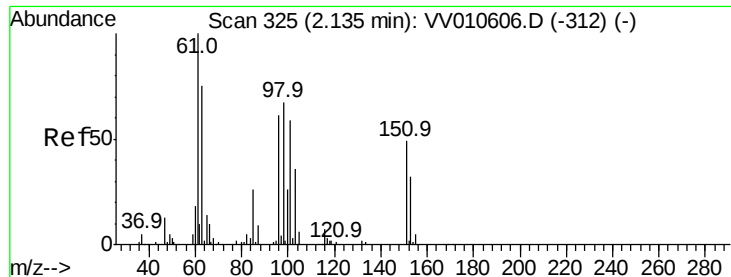
Tgt Ion: 101 Resp: 113998

Ion Ratio Lower Upper

101 100

103 63.5 49.5 74.3





#10

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

Concen: 4.827 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV011204.D

Acq: 04 Jun 2019 13:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD00539

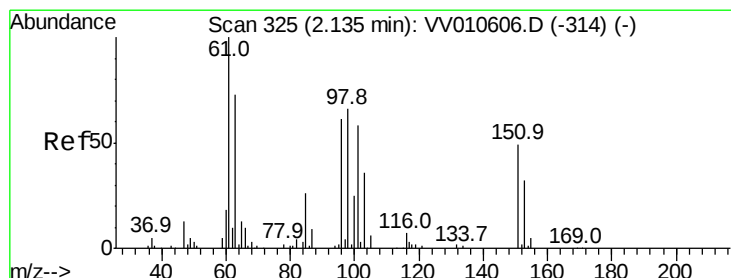
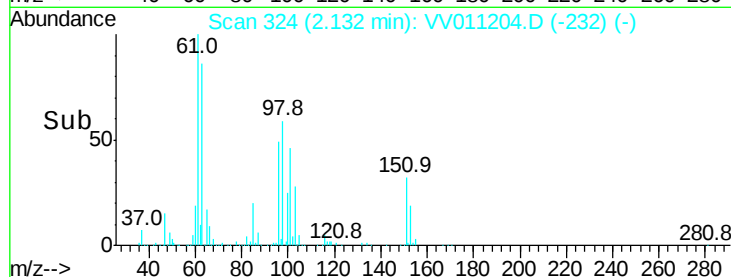
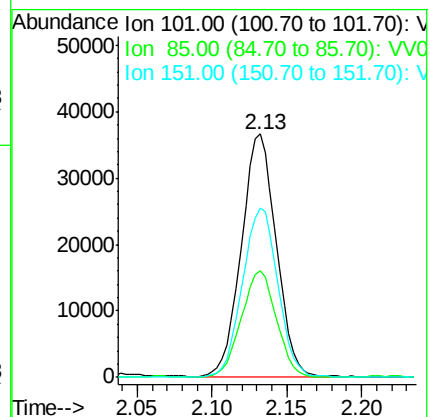
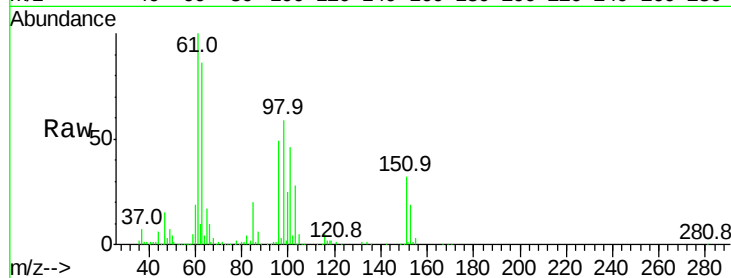
Tgt Ion: 101 Resp: 59306

Ion Ratio Lower Upper

101 100

85 44.4 33.7 50.5

151 71.1 65.2 97.8



#12

1,1-Dichloroethene

Concen: 4.947 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV011204.D

Acq: 04 Jun 2019 13:53

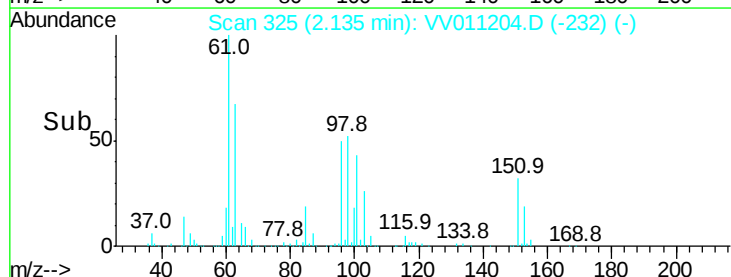
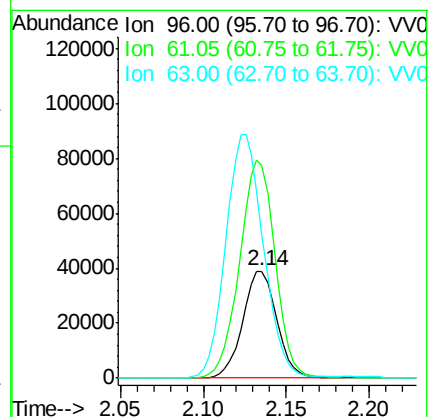
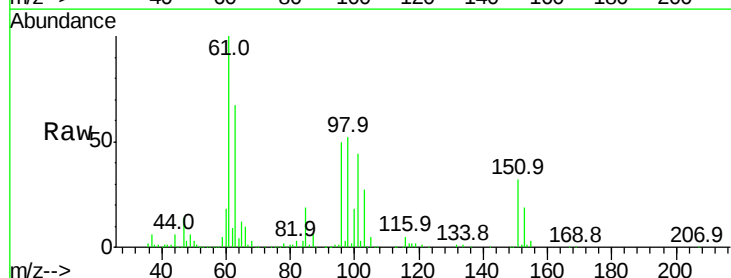
Tgt Ion: 96 Resp: 55223

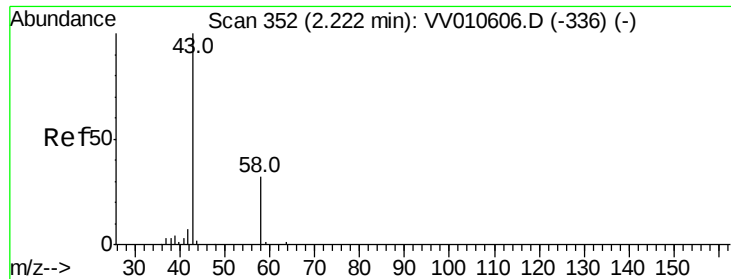
Ion Ratio Lower Upper

96 100

61 199.7 118.7 220.5

63 134.7 93.2 173.0





#13

Acetone

Concen: 68.638 ug/L

RT: 2.22 min Scan# 351

Delta R.T. -0.00 min

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Acq: 04 Jun 2019 13:53

Instrument :

MSVOA_V

ClientSampleId :

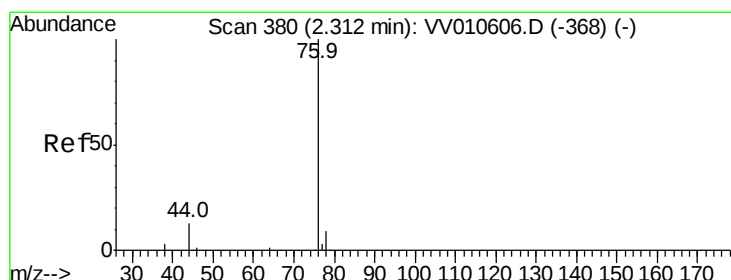
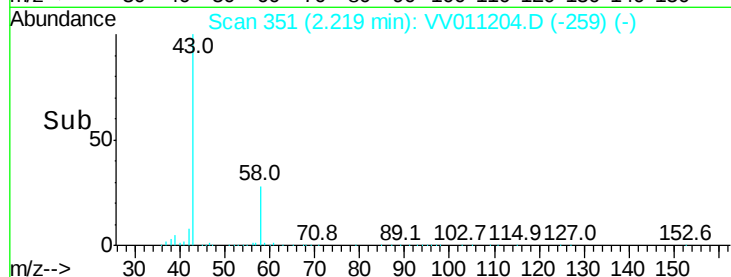
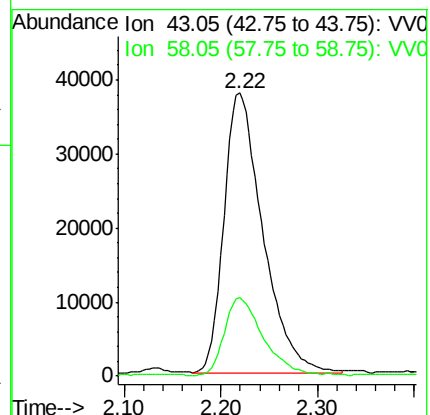
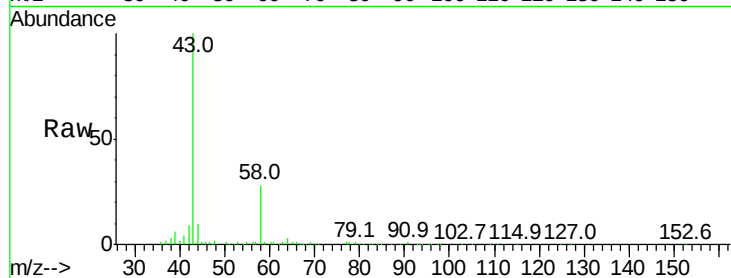
VSTD00539

Tgt Ion: 43 Resp: 105242

Ion Ratio Lower Upper

43 100

58 27.6 0.0 62.8



#14

Carbon disulfide

Concen: 5.616 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV011204.D

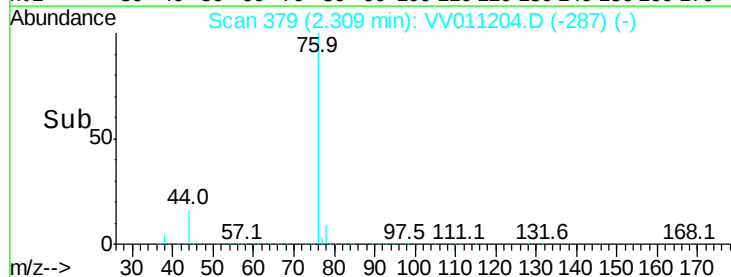
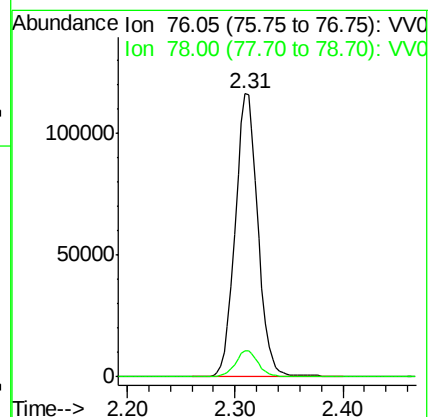
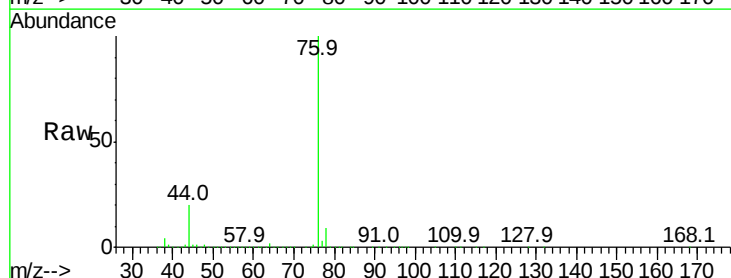
Acq: 04 Jun 2019 13:53

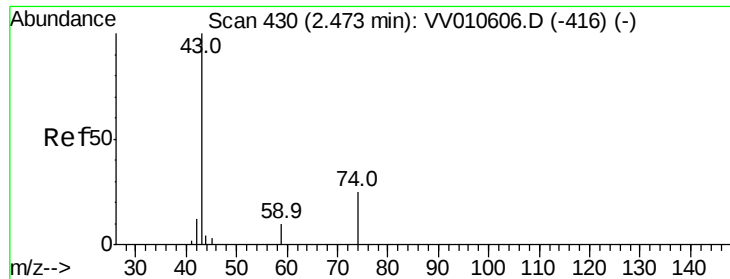
Tgt Ion: 76 Resp: 171585

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0

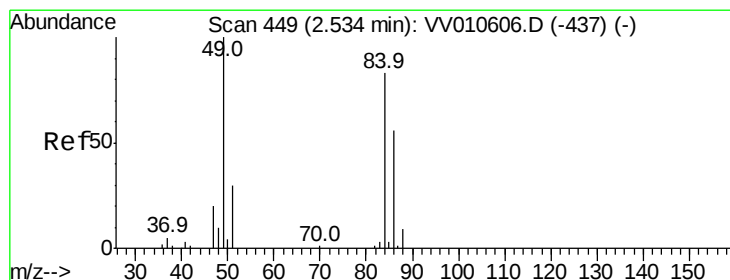
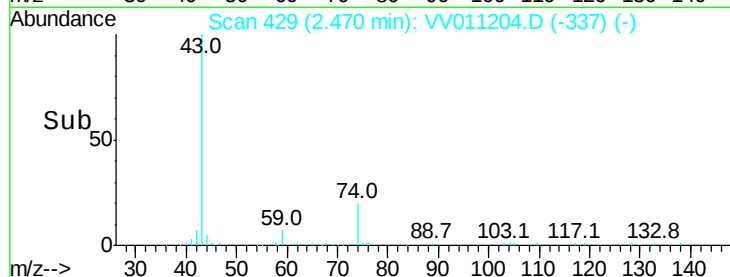
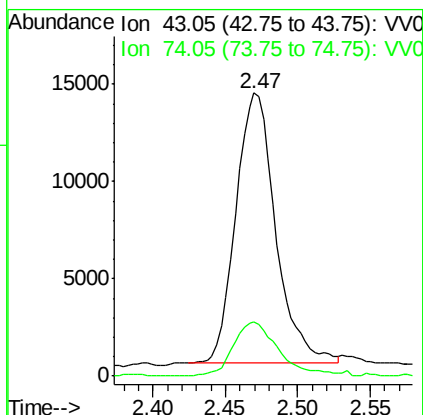
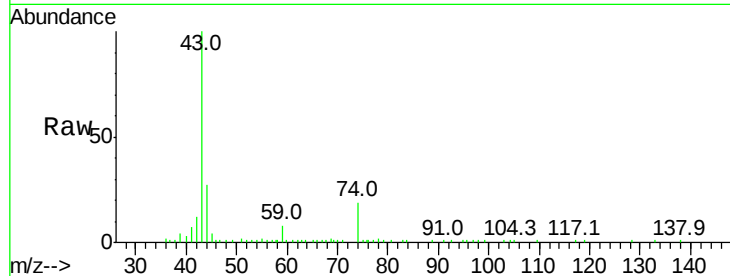




#15
Methyl Acetate
Concen: 5.597 ug/L
RT: 2.47 min Scan# 429
Delta R.T. -0.00 min
Lab File: VV011204.D
Acq: 04 Jun 2019 13:53

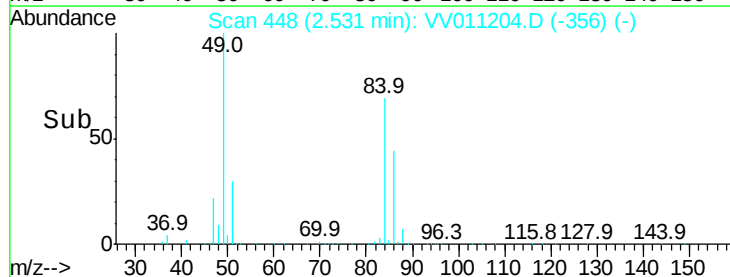
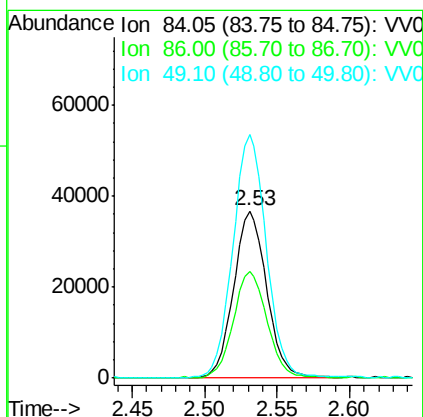
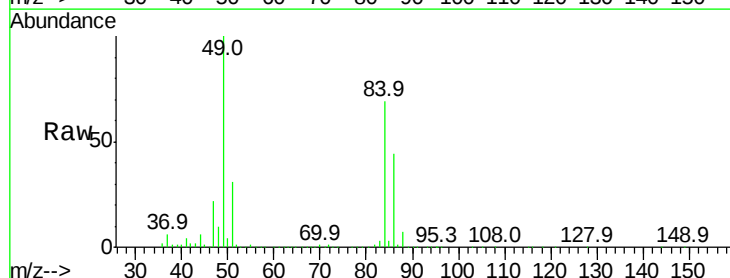
Instrument :
MSVOA_V
ClientSampleId :
VSTD00539

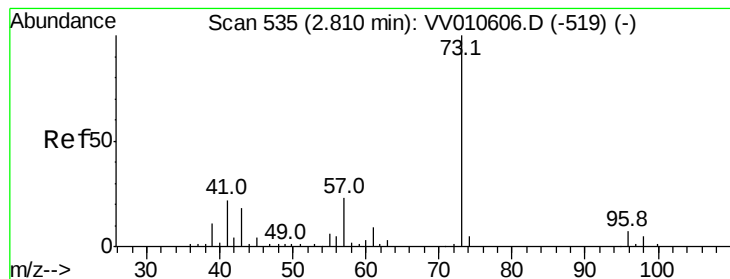
Tgt Ion: 43 Resp: 26550
Ion Ratio Lower Upper
43 100
74 23.1 17.5 26.3



#16
Methylene chloride
Concen: 4.367 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.00 min
Lab File: VV011204.D
Acq: 04 Jun 2019 13:53

Tgt Ion: 84 Resp: 58201
Ion Ratio Lower Upper
84 100
86 64.1 44.2 82.0
49 145.8 77.8 144.6#





#17

Methyl tert-butyl Ether

Concen: 5.830 ug/L

RT: 2.81 min Scan# 535

Delta R.T. 0.00 min

Lab File: VV011204.D

Acq: 04 Jun 2019 13:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD00539

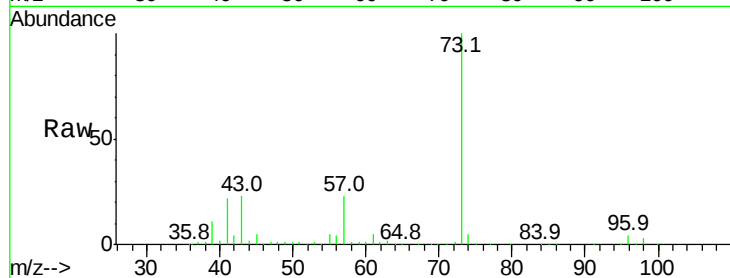
Tgt Ion: 73 Resp: 154557

Ion Ratio Lower Upper

73 100

43 23.4 16.1 24.1

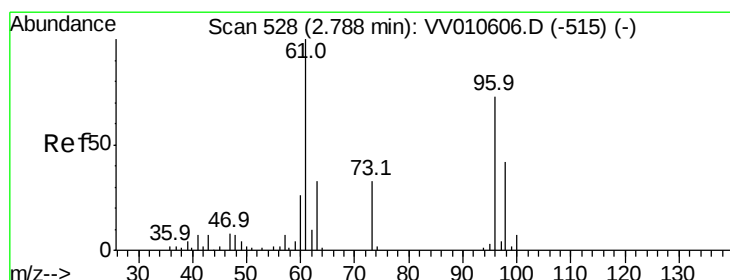
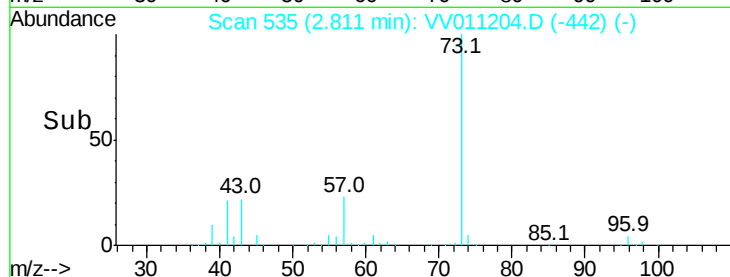
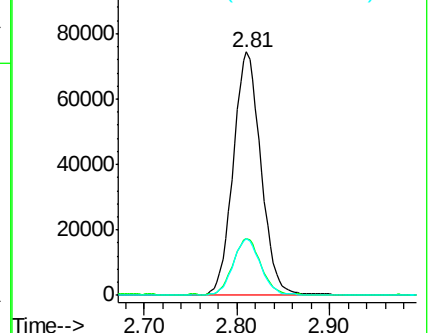
57 22.6 17.9 26.9



Abundance Ion 73.10 (72.80 to 73.80): VV011204.D (-442) (-)

Ion 43.05 (42.75 to 43.75): VV011204.D (-442) (-)

Ion 57.10 (56.80 to 57.80): VV011204.D (-442) (-)



#18

trans-1,2-Dichloroethene

Concen: 5.085 ug/L

RT: 2.78 min Scan# 527

Delta R.T. -0.00 min

Lab File: VV011204.D

Acq: 04 Jun 2019 13:53

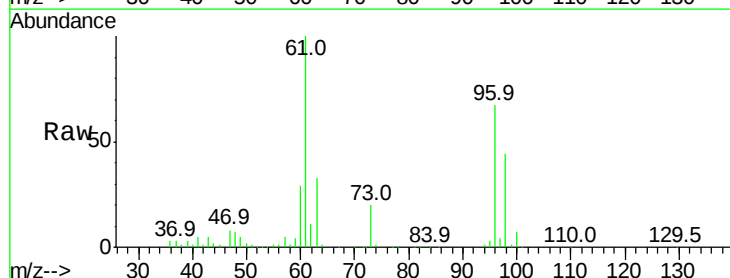
Tgt Ion: 96 Resp: 65024

Ion Ratio Lower Upper

96 100

61 148.6 96.2 178.6

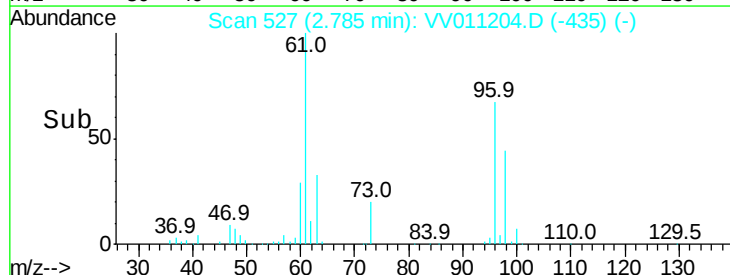
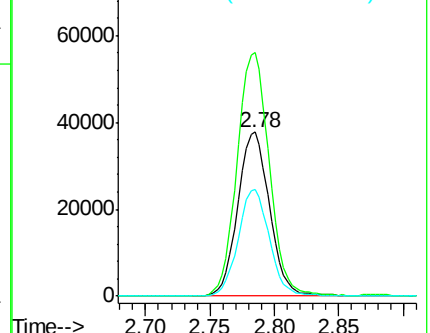
98 65.3 44.9 83.3

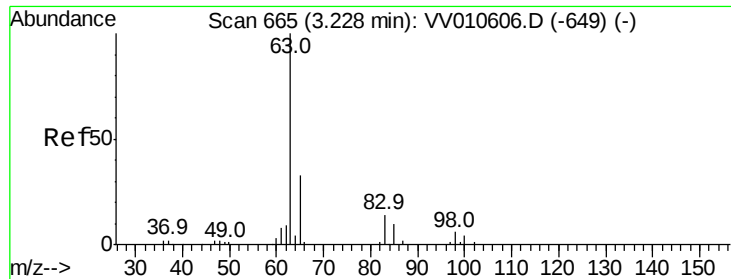


Abundance Ion 96.00 (95.70 to 96.70): VV011204.D (-435) (-)

Ion 61.05 (60.75 to 61.75): VV011204.D (-435) (-)

Ion 97.95 (97.65 to 98.65): VV011204.D (-435) (-)

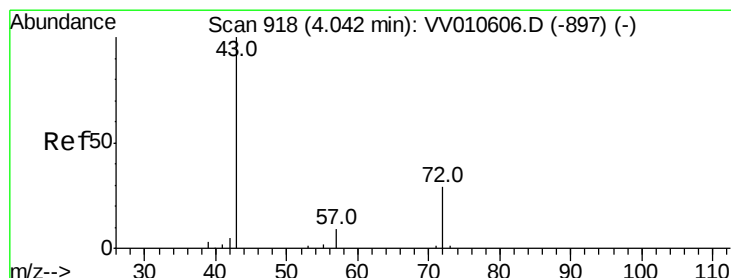
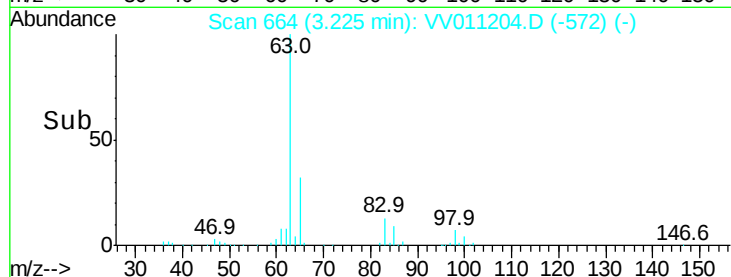
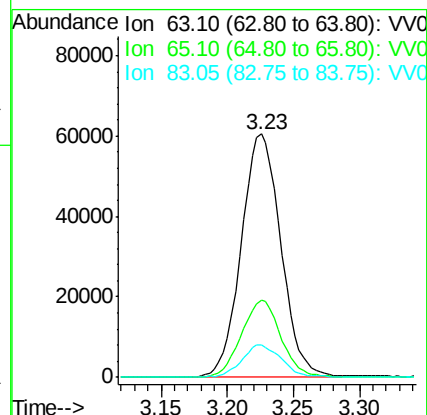
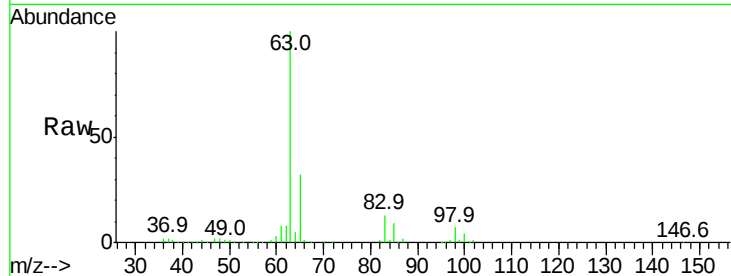




#19
 1,1-Dichloroethane
 Concen: 5.367 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. -0.00 min
 Lab File: VV011204.D
 Acq: 04 Jun 2019 13:53

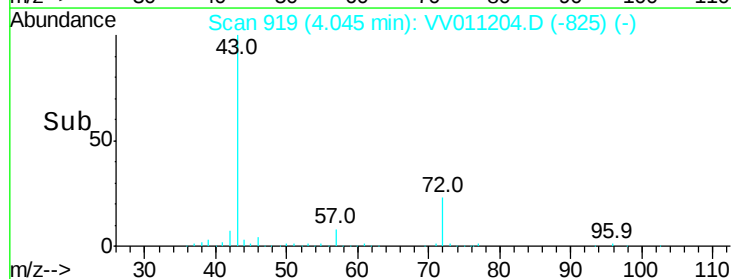
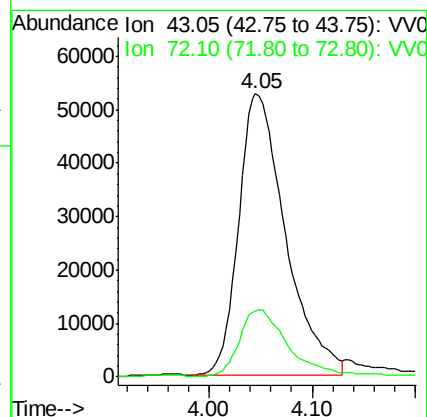
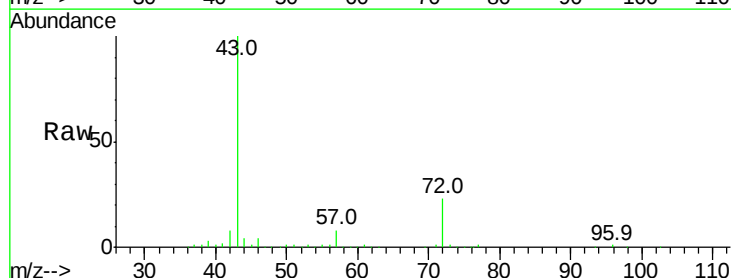
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00539

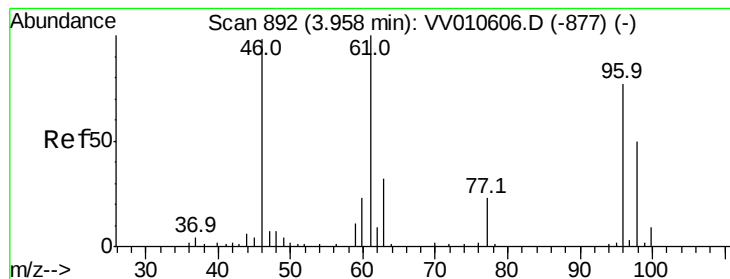
Tgt Ion: 63 Resp: 125677
 Ion Ratio Lower Upper
 63 100
 65 31.6 21.3 39.6
 83 13.1 9.0 16.6



#21
 2-Butanone
 Concen: 63.494 ug/L
 RT: 4.05 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VV011204.D
 Acq: 04 Jun 2019 13:53

Tgt Ion: 43 Resp: 165458
 Ion Ratio Lower Upper
 43 100
 72 25.4 13.8 41.3



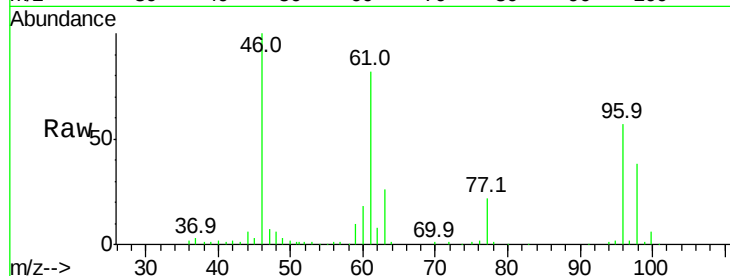


#22

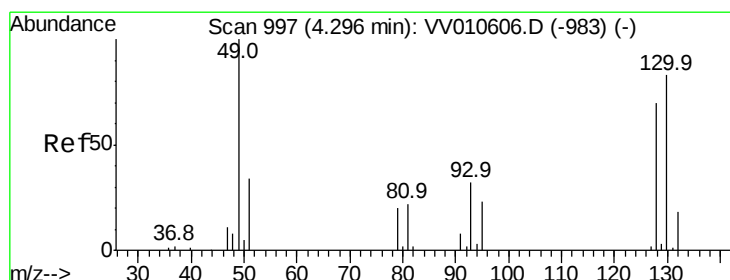
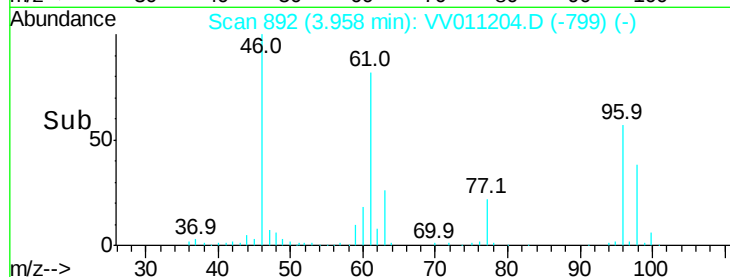
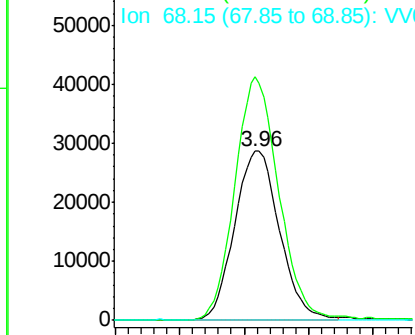
cis-1,2-Dichloroethene
Concen: 5.076 ug/L
RT: 3.96 min Scan# 892
Delta R.T. 0.00 min
Lab File: VV011204.D
Acq: 04 Jun 2019 13:53

Instrument :
MSVOA_V
ClientSampled :
VSTD00539

Tgt Ion: 96 Resp: 69686
Ion Ratio Lower Upper
96 100
61 144.0 82.3 152.9
68 0.0 0.0 0.0



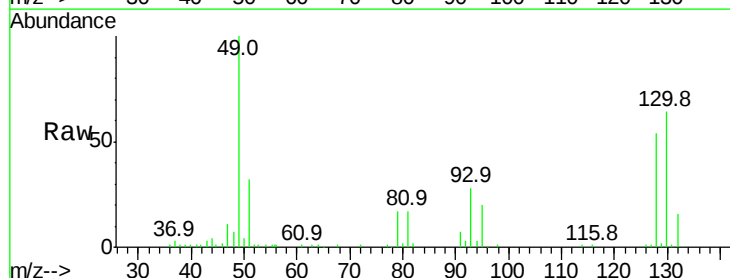
Abundance Ion 96.00 (95.70 to 96.70): VV011204.D (-892) (-)
Ion 61.05 (60.75 to 61.75): VV011204.D (-892) (-)
Ion 68.15 (67.85 to 68.85): VV011204.D (-892) (-)



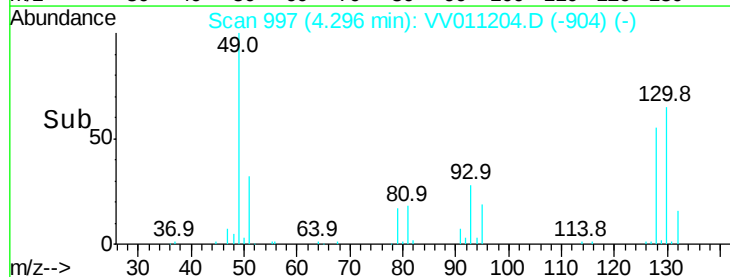
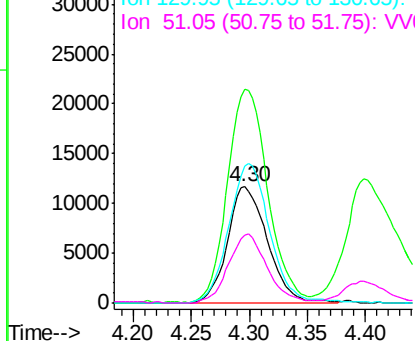
#23

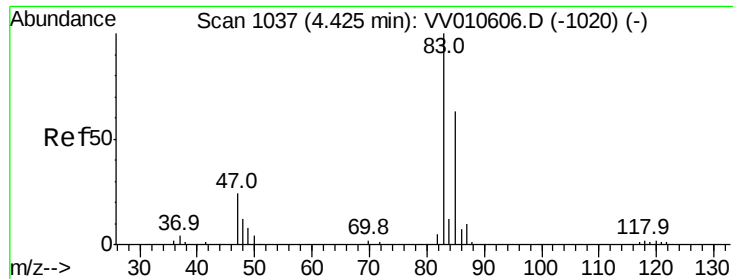
Bromochloromethane
Concen: 4.816 ug/L
RT: 4.30 min Scan# 997
Delta R.T. 0.00 min
Lab File: VV011204.D
Acq: 04 Jun 2019 13:53

Tgt Ion: 128 Resp: 27995
Ion Ratio Lower Upper
128 100
49 184.2 104.4 193.8
130 117.8 90.4 167.8
51 59.0 39.9 59.9



Abundance Ion 127.90 (127.60 to 128.60): VV011204.D (-997) (-)
Ion 49.10 (48.80 to 49.80): VV011204.D (-997) (-)
Ion 129.95 (129.65 to 130.65): VV011204.D (-997) (-)
Ion 51.05 (50.75 to 51.75): VV011204.D (-997) (-)

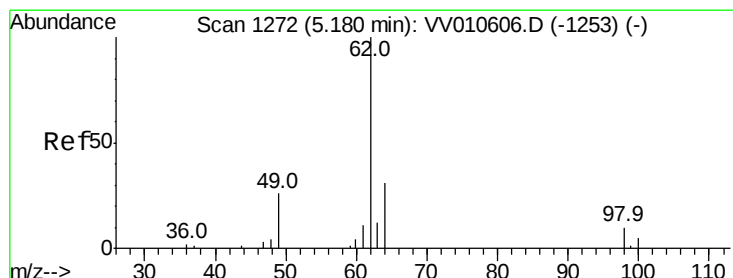
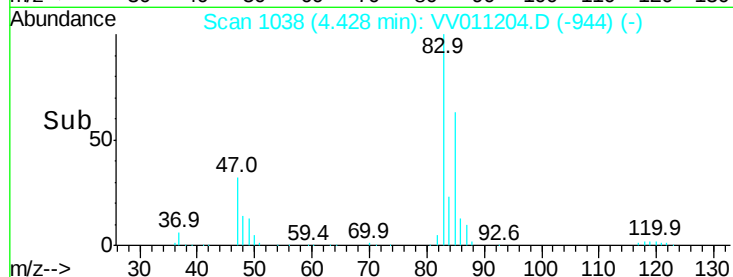
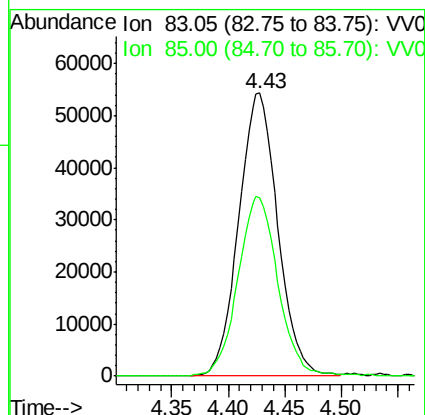
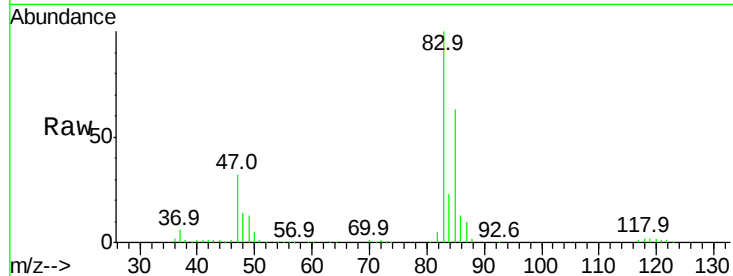




#25
Chloroform
Concen: 5.215 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV011204.D
Acq: 04 Jun 2019 13:53

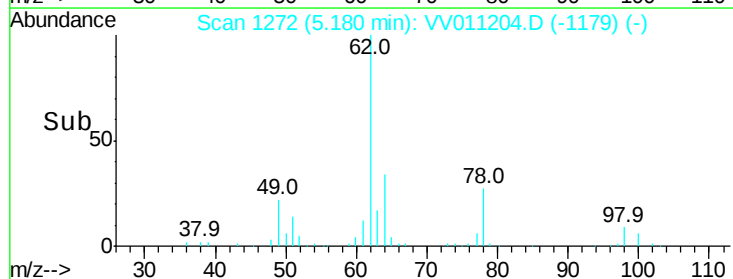
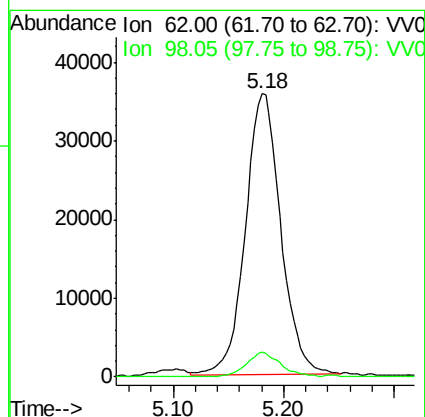
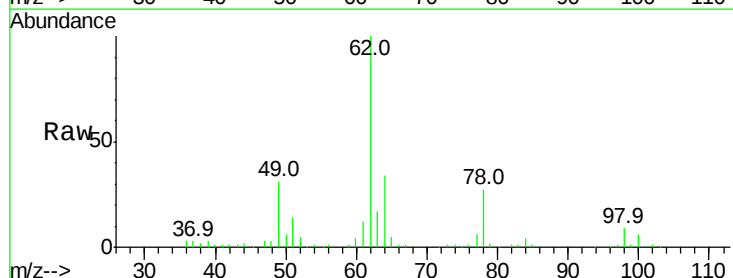
Instrument :
MSVOA_V
ClientSampleId :
VSTD00539

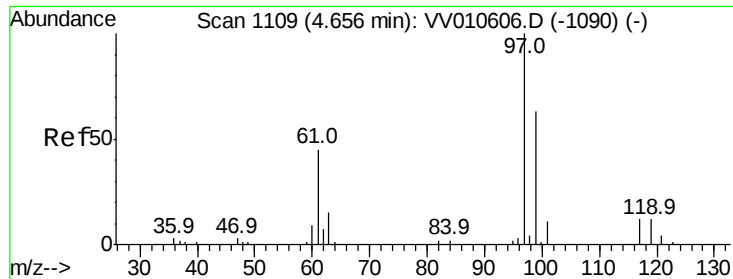
Tgt Ion: 83 Resp: 130519
Ion Ratio Lower Upper
83 100
85 63.0 43.7 81.1



#27
1,2-Dichloroethane
Concen: 5.517 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV011204.D
Acq: 04 Jun 2019 13:53

Tgt Ion: 62 Resp: 79082
Ion Ratio Lower Upper
62 100
98 8.6 7.7 11.5

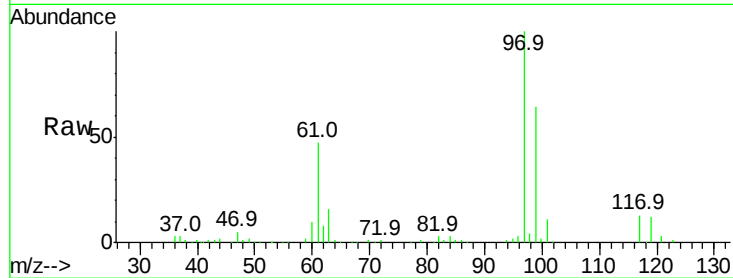




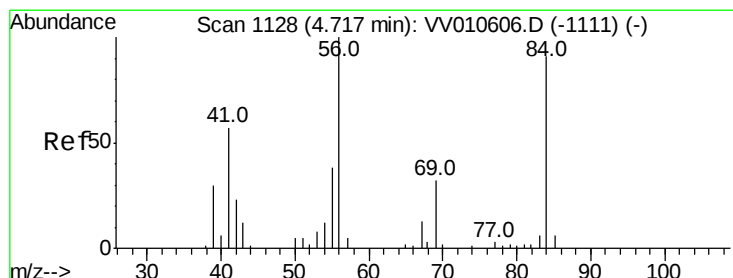
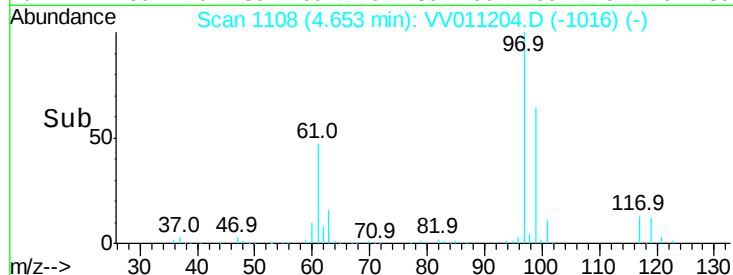
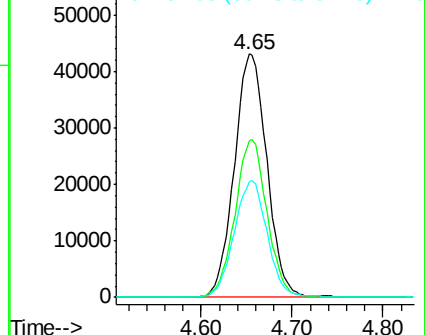
#29
 1,1,1-Trichloroethane
 Concen: 5.302 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. -0.00 min
 Lab File: VV011204.D
 Acq: 04 Jun 2019 13:53

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00539

Tgt Ion: 97 Resp: 107362
 Ion Ratio Lower Upper
 97 100
 99 63.5 51.4 77.0
 61 48.6 34.6 52.0

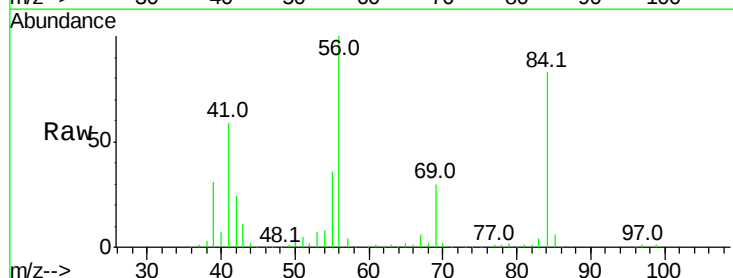


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

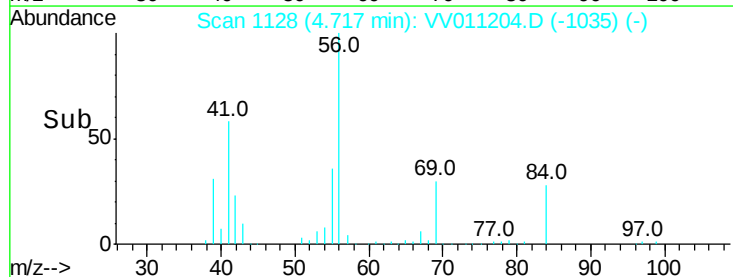
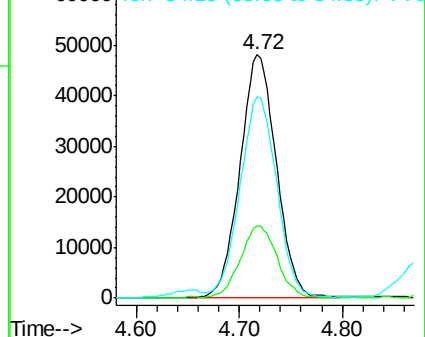


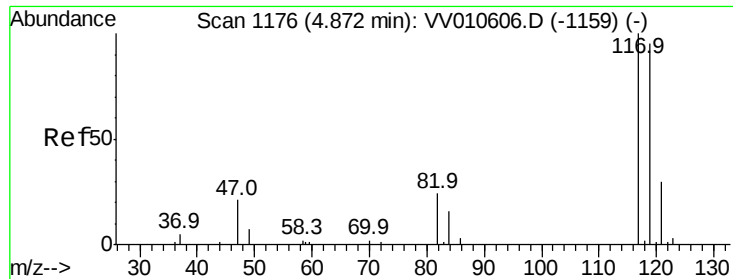
#30
 Cyclohexane
 Concen: 6.209 ug/L
 RT: 4.72 min Scan# 1128
 Delta R.T. 0.00 min
 Lab File: VV011204.D
 Acq: 04 Jun 2019 13:53

Tgt Ion: 56 Resp: 118310
 Ion Ratio Lower Upper
 56 100
 69 30.1 24.7 37.1
 84 83.0 71.4 107.2



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



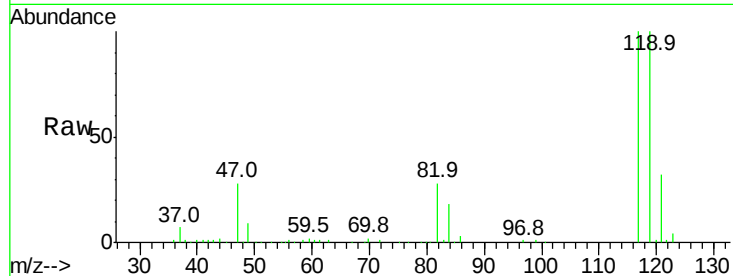


#31

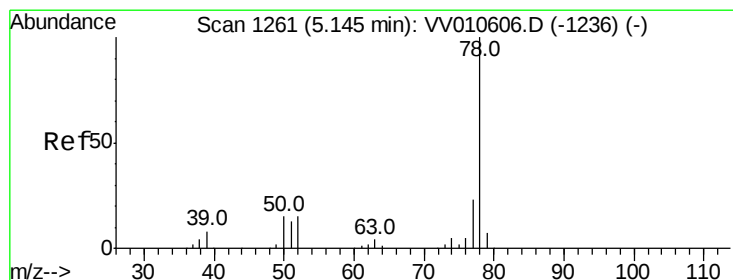
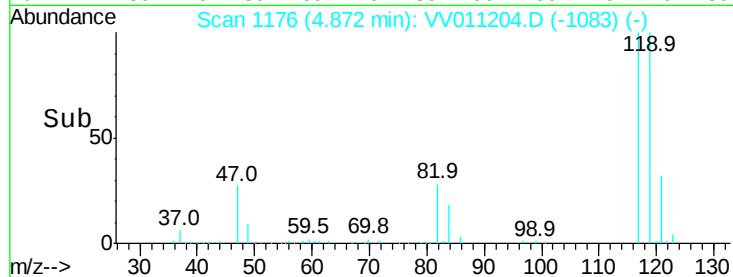
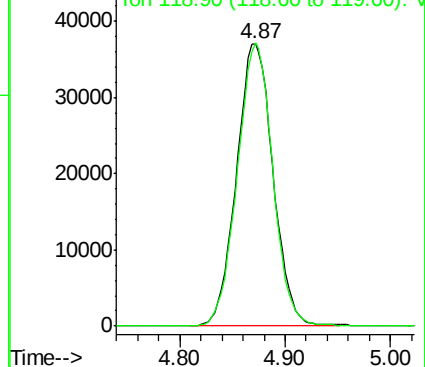
Carbon tetrachloride
Concen: 4.916 ug/L
RT: 4.87 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VV011204.D
Acq: 04 Jun 2019 13:53

Instrument :
MSVOA_V
ClientSampleId :
VSTD00539

Tgt Ion:117 Resp: 89058
Ion Ratio Lower Upper
117 100
119 97.4 78.1 117.1



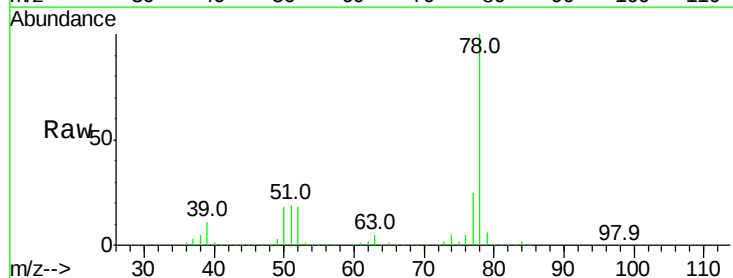
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V



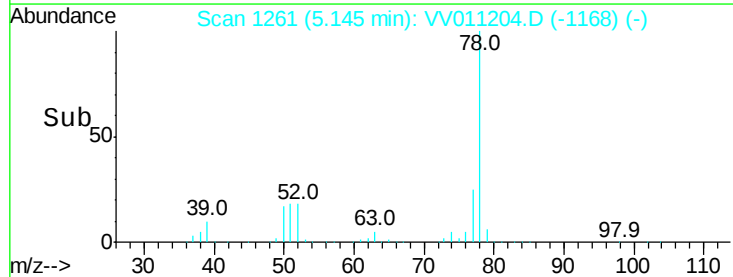
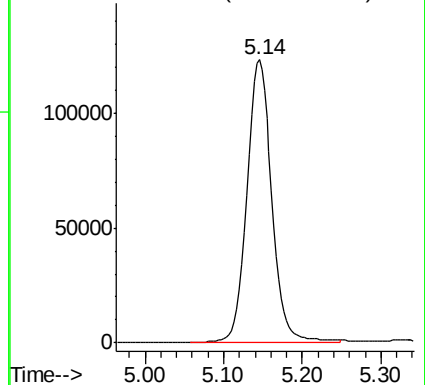
#33

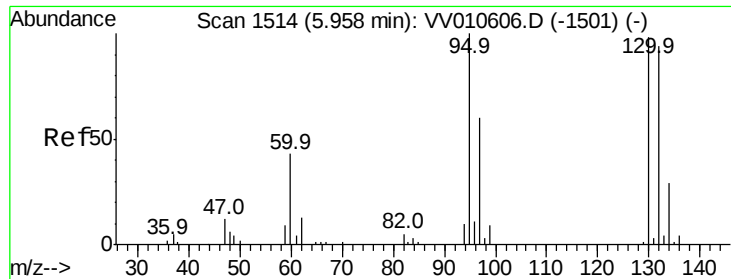
Benzene
Concen: 5.701 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VV011204.D
Acq: 04 Jun 2019 13:53

Tgt Ion: 78 Resp: 276975



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 5.100 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV011204.D

Acq: 04 Jun 2019 13:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD00539

Tgt Ion: 95 Resp: 69759

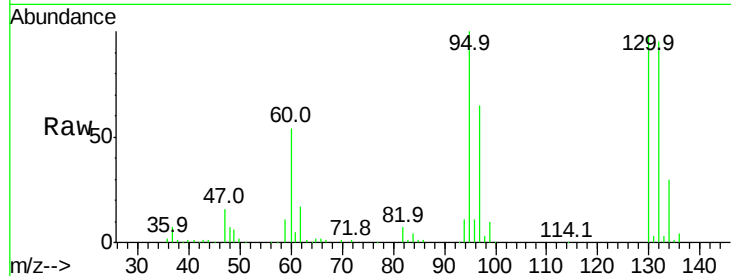
Ion Ratio Lower Upper

95 100

97 65.5 42.4 78.6

132 94.8 69.3 128.7

130 97.5 70.3 130.7

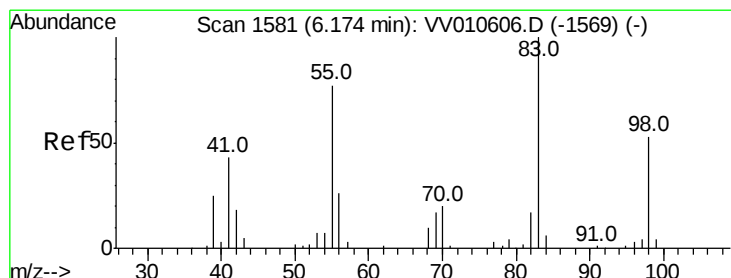
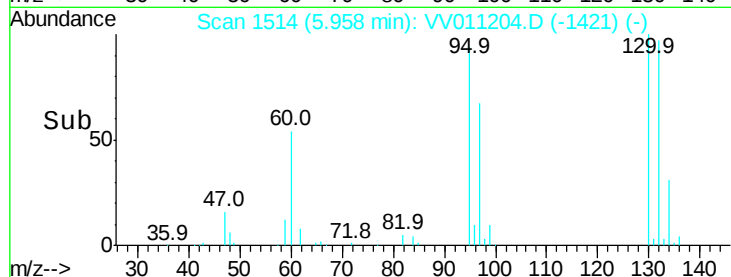
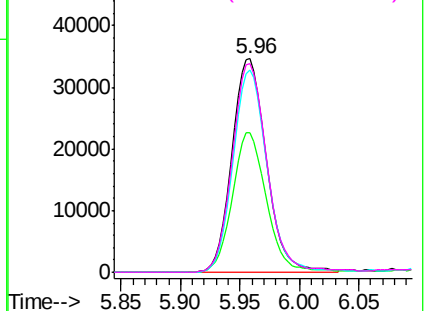


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 5.689 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV011204.D

Acq: 04 Jun 2019 13:53

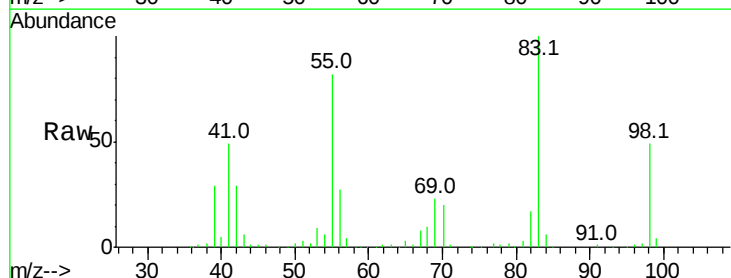
Tgt Ion: 83 Resp: 112734

Ion Ratio Lower Upper

83 100

55 83.8 63.4 95.0

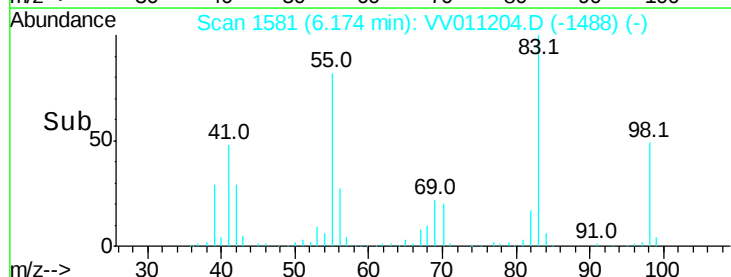
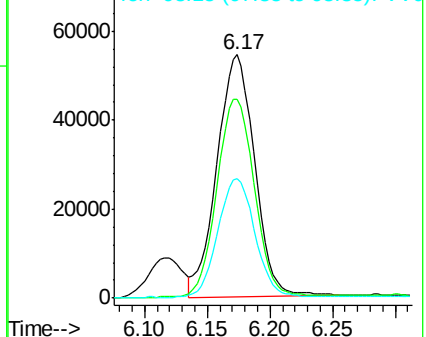
98 50.0 38.7 58.1

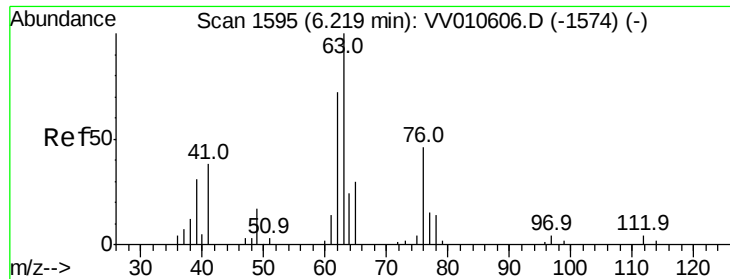


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

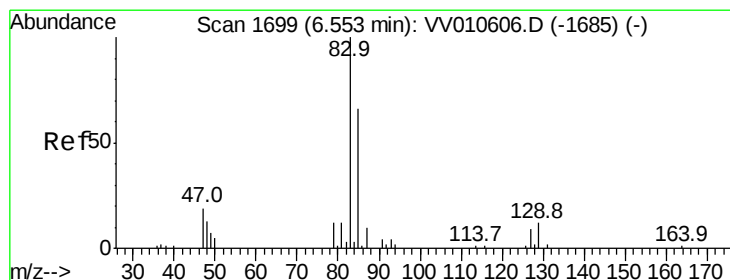
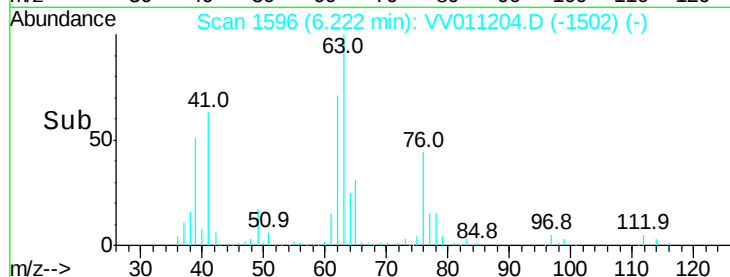
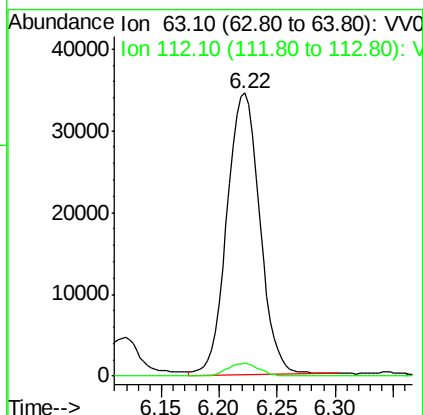
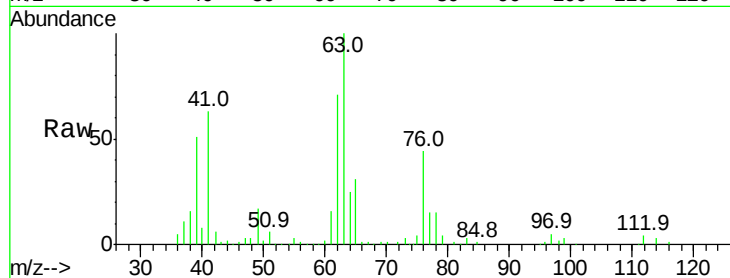




#37
 1,2-Dichloropropane
 Concen: 5.717 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. 0.00 min
 Lab File: VV011204.D
 Acq: 04 Jun 2019 13:53

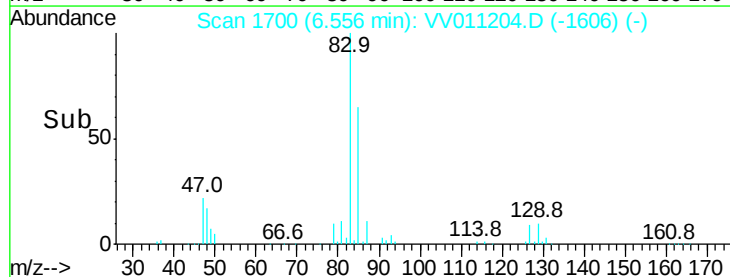
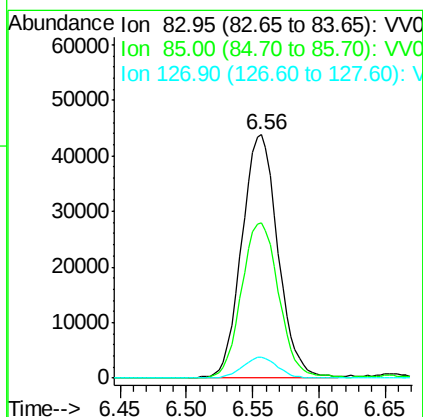
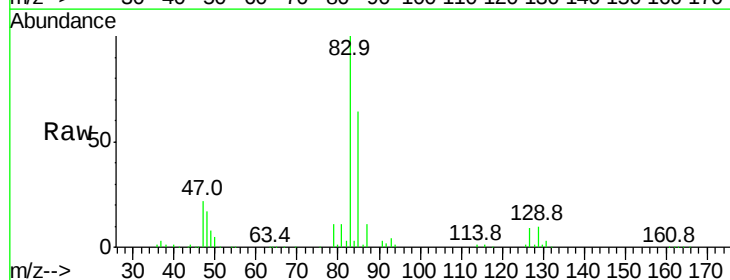
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00539

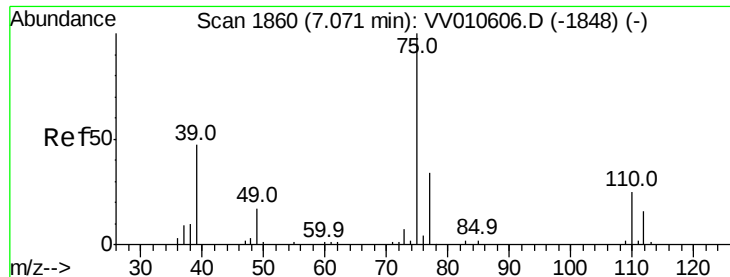
Tgt Ion: 63 Resp: 67871
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.5 5.3



#38
 Bromodichloromethane
 Concen: 5.495 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VV011204.D
 Acq: 04 Jun 2019 13:53

Tgt Ion: 83 Resp: 83176
 Ion Ratio Lower Upper
 83 100
 85 63.6 43.3 80.3
 127 8.7 7.8 11.6

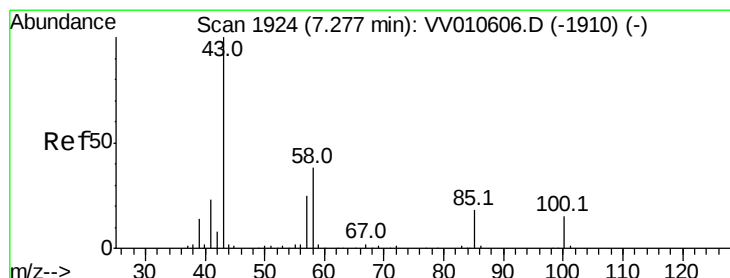
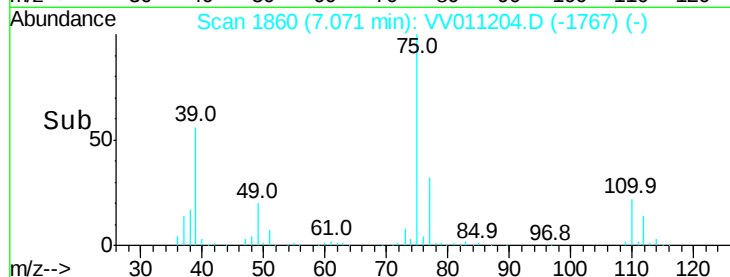
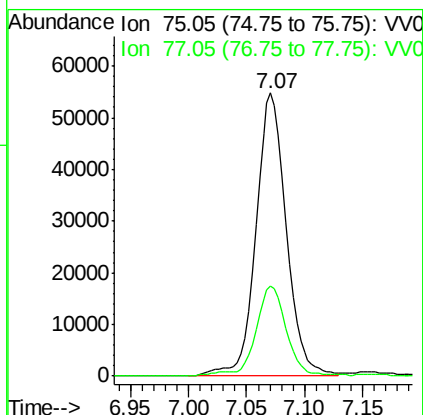
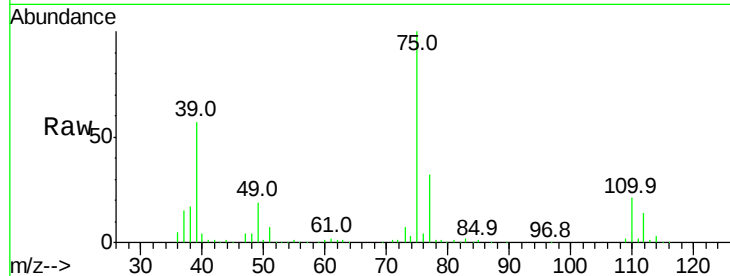




#39
 cis-1,3-Dichloropropene
 Concen: 6.242 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV011204.D
 Acq: 04 Jun 2019 13:53

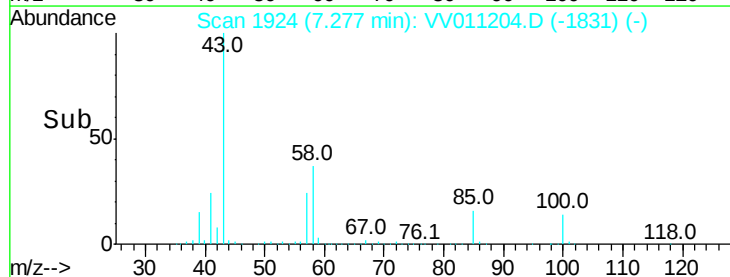
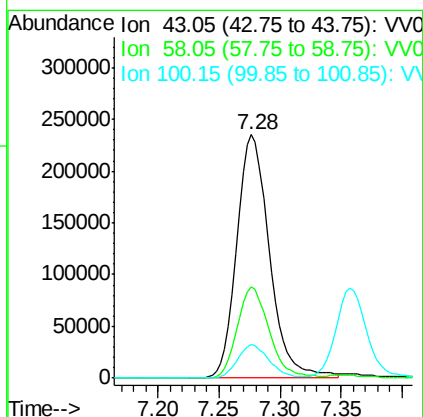
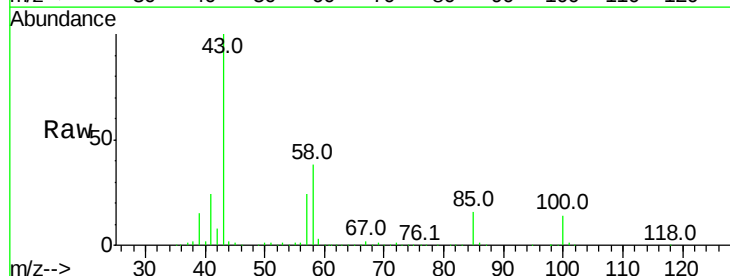
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00539

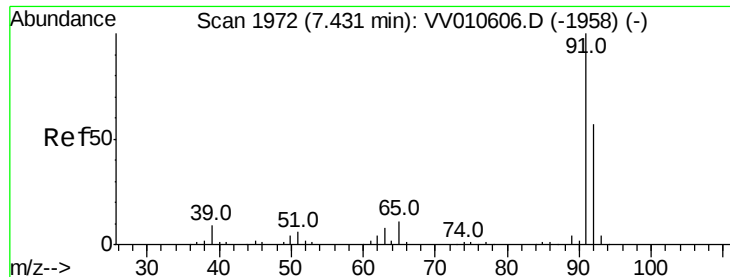
Tgt Ion: 75 Resp: 100427
 Ion Ratio Lower Upper
 75 100
 77 31.7 23.9 44.3



#40
 4-Methyl-2-pentanone
 Concen: 66.854 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV011204.D
 Acq: 04 Jun 2019 13:53

Tgt Ion: 43 Resp: 435704
 Ion Ratio Lower Upper
 43 100
 58 36.6 30.5 45.7
 100 13.3 10.8 16.2





#42

Toluene

Concen: 5.415 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV011204.D

Acq: 04 Jun 2019 13:53

Instrument :

MSVOA_V

ClientSampleId :

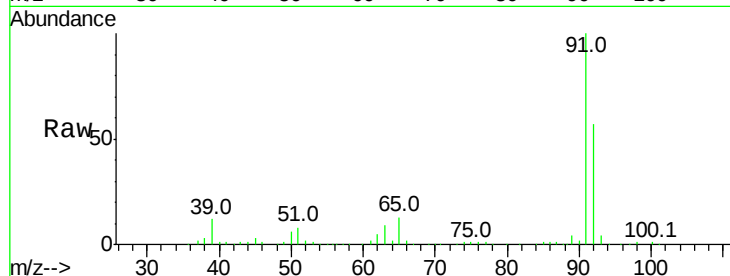
VSTD00539

Tgt Ion: 91 Resp: 294281

Ion Ratio Lower Upper

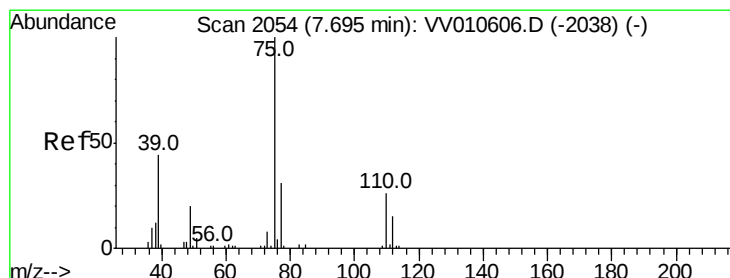
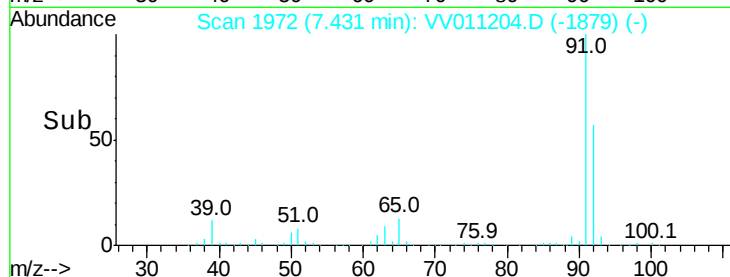
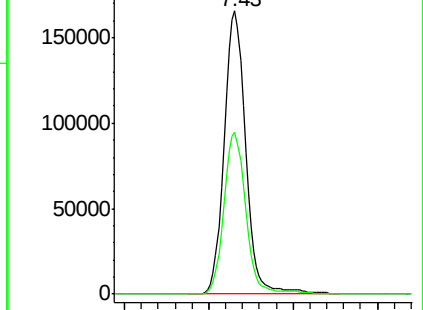
91 100

92 57.0 40.0 74.4



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 5.988 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV011204.D

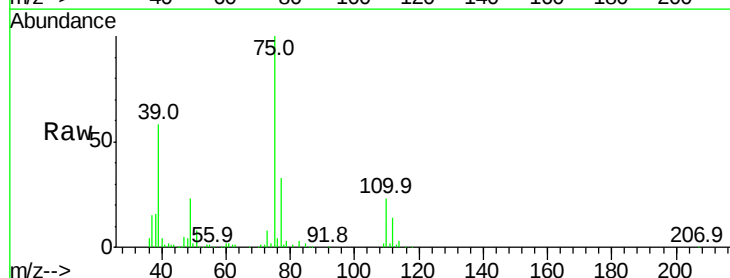
Acq: 04 Jun 2019 13:53

Tgt Ion: 75 Resp: 75149

Ion Ratio Lower Upper

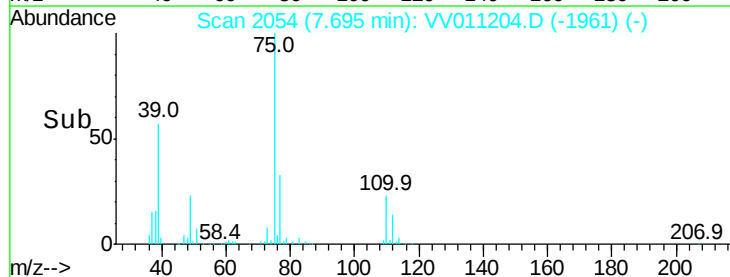
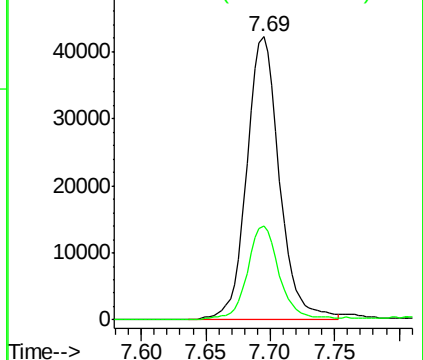
75 100

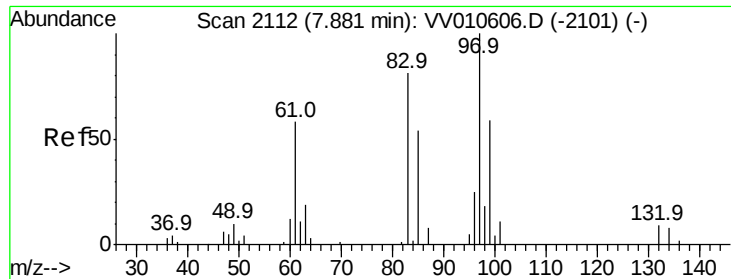
77 33.0 21.1 39.1



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

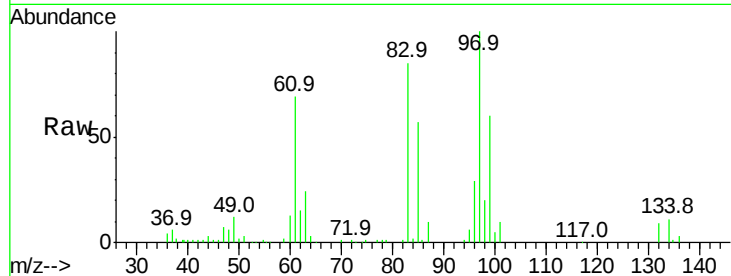




#45
 1,1,2-Trichloroethane
 Concen: 5.074 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VV011204.D
 Acq: 04 Jun 2019 13:53

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00539

Tgt Ion:	97	Resp:	42796
Ion	Ratio	Lower	Upper
97	100		
99	60.2	47.1	87.5
83	84.8	65.9	122.5
85	56.7	43.2	80.2

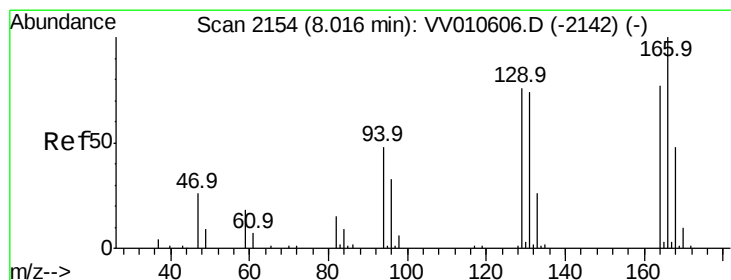
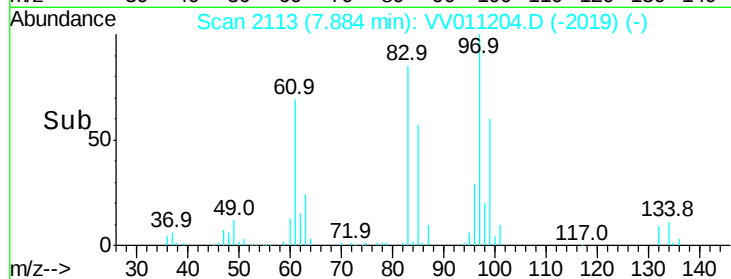
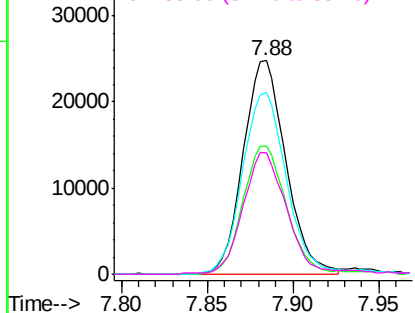


Abundance Ion 96.95 (96.65 to 97.65): VV011204.D (-2019) (-)

Ion 99.05 (98.75 to 99.75): VV011204.D (-2019) (-)

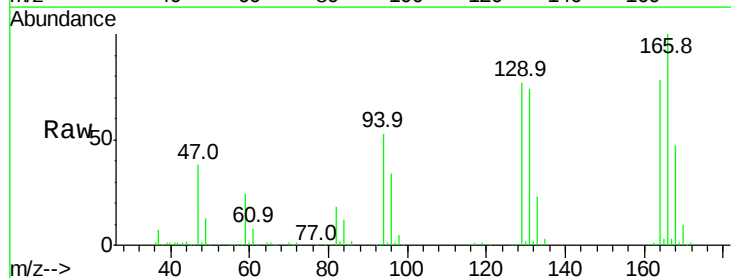
Ion 82.95 (82.65 to 83.65): VV011204.D (-2019) (-)

Ion 85.00 (84.70 to 85.70): VV011204.D (-2019) (-)



#47
 Tetrachloroethene
 Concen: 4.656 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV011204.D
 Acq: 04 Jun 2019 13:53

Tgt Ion:	164	Resp:	50271
Ion	Ratio	Lower	Upper
164	100		
129	99.9	69.9	129.7
131	95.5	65.6	121.8
166	128.9	88.9	165.1

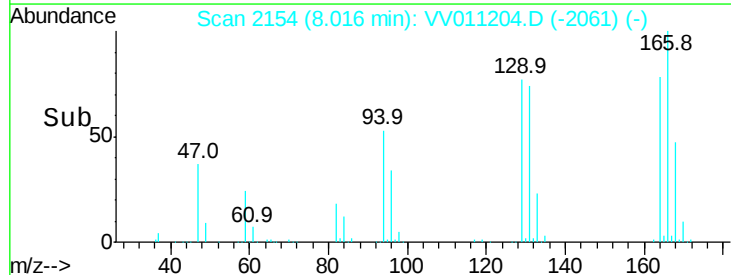
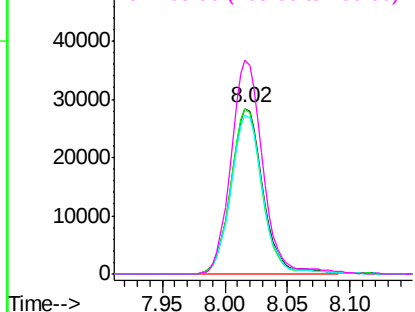


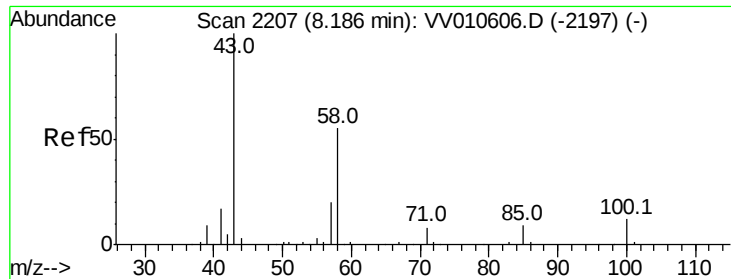
Abundance Ion 163.90 (163.60 to 164.60): VV011204.D (-2061) (-)

Ion 128.95 (128.65 to 129.65): VV011204.D (-2061) (-)

Ion 130.95 (130.65 to 131.65): VV011204.D (-2061) (-)

Ion 165.90 (165.60 to 166.60): VV011204.D (-2061) (-)

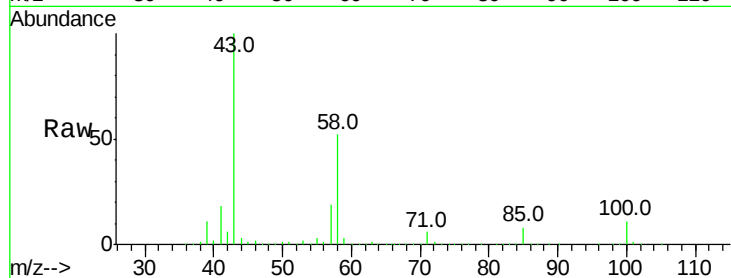




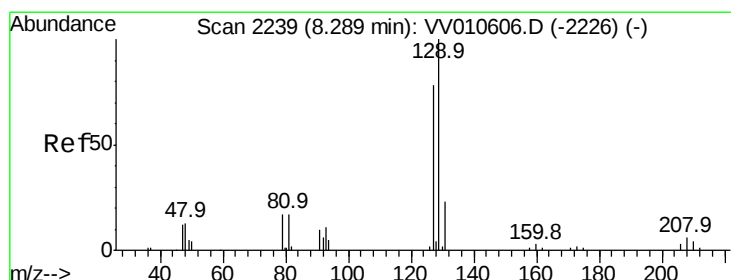
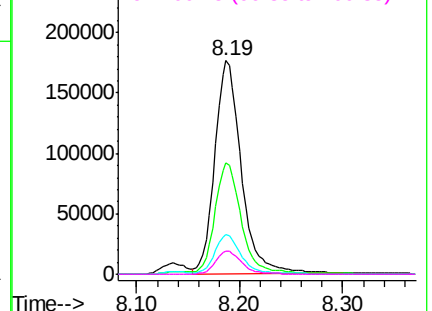
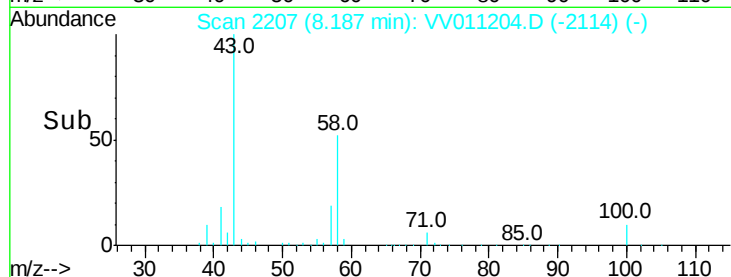
#48
2-Hexanone
Concen: 66.596 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV011204.D
Acq: 04 Jun 2019 13:53

Instrument :
MSVOA_V
ClientSampleId :
VSTD00539

Tgt Ion: 43 Resp: 311327
Ion Ratio Lower Upper
43 100
58 51.7 42.9 64.3
57 18.7 13.9 20.9
100 11.2 9.3 13.9

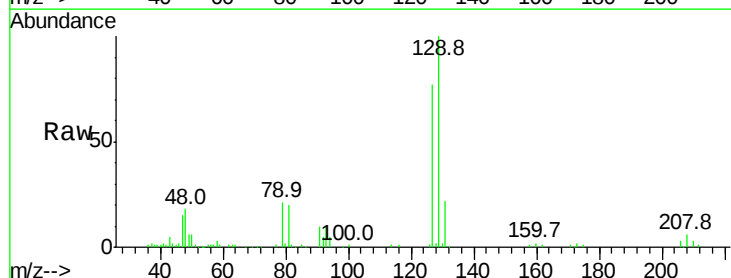


Abundance Ion 43.05 (42.75 to 43.75): VV011204.D (-2114) (-)
Ion 58.05 (57.75 to 58.75): VV011204.D (-2114) (-)
Ion 57.20 (56.90 to 57.90): VV011204.D (-2114) (-)
Ion 100.15 (99.85 to 100.85): VV011204.D (-2114) (-)

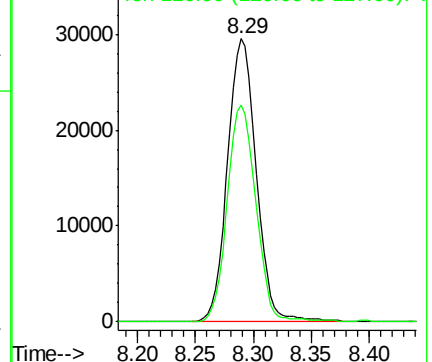
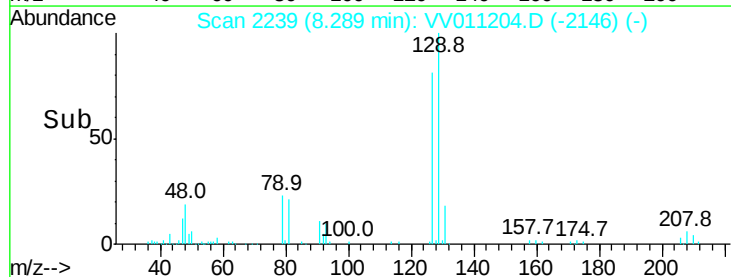


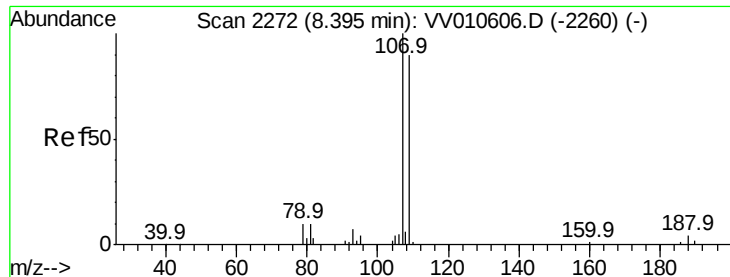
#49
Dibromochloromethane
Concen: 5.160 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV011204.D
Acq: 04 Jun 2019 13:53

Tgt Ion: 129 Resp: 50685
Ion Ratio Lower Upper
129 100
127 76.7 53.7 99.7



Abundance Ion 128.95 (128.65 to 129.65): VV011204.D (-2146) (-)
Ion 126.90 (126.60 to 127.60): VV011204.D (-2146) (-)

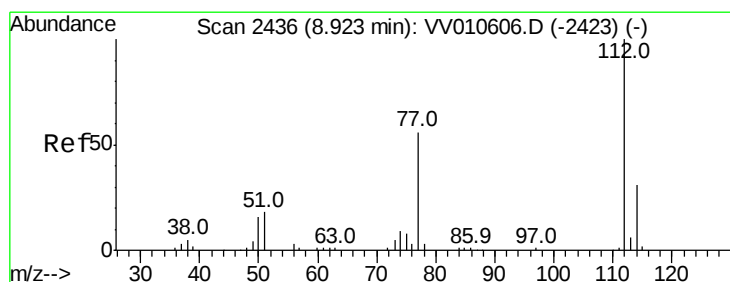
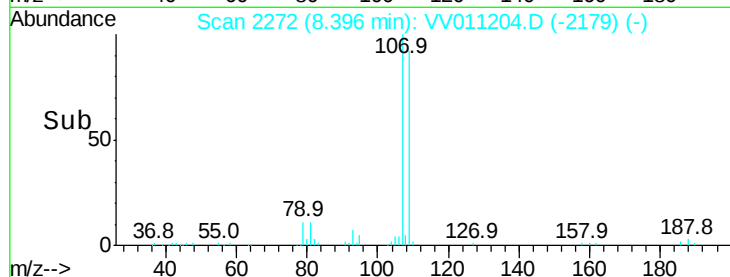
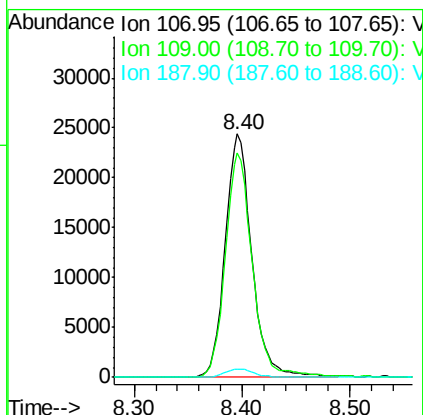
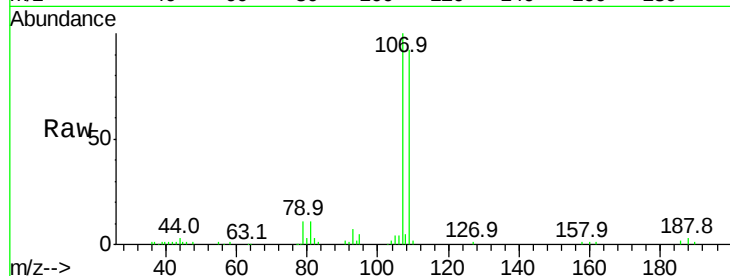




#50
1,2-Dibromoethane
Concen: 5.566 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV011204.D
Acq: 04 Jun 2019 13:53

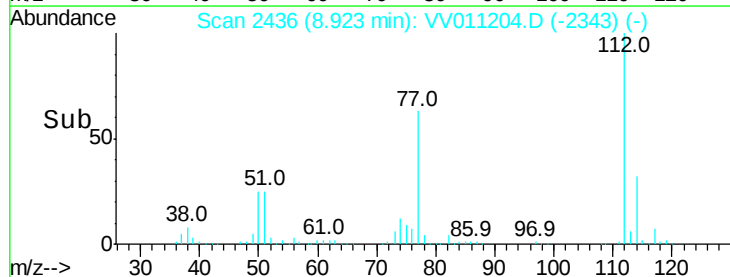
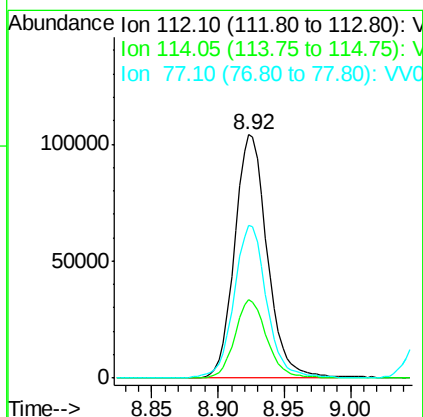
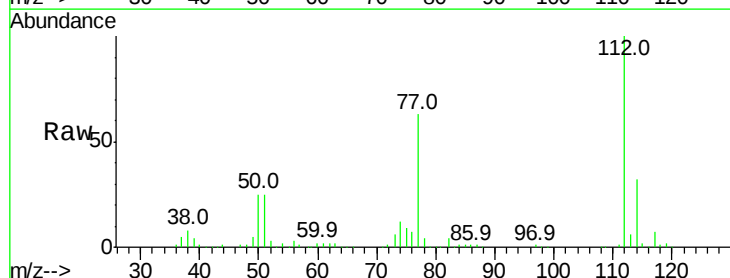
Instrument :
MSVOA_V
ClientSampleId :
VSTD00539

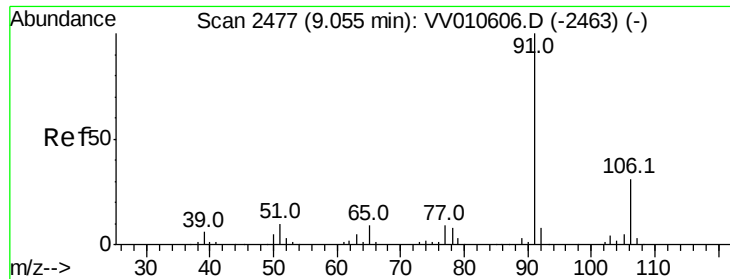
Tgt Ion:107 Resp: 41950
Ion Ratio Lower Upper
107 100
109 92.2 66.3 123.1
188 3.4 3.3 4.9



#51
Chlorobenzene
Concen: 5.031 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV011204.D
Acq: 04 Jun 2019 13:53

Tgt Ion:112 Resp: 177776
Ion Ratio Lower Upper
112 100
114 32.3 23.3 43.3
77 62.6 43.8 65.8





#52

Ethylbenzene

Concen: 5.641 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV011204.D

Acq: 04 Jun 2019 13:53

Instrument :

MSVOA_V

ClientSampleId :

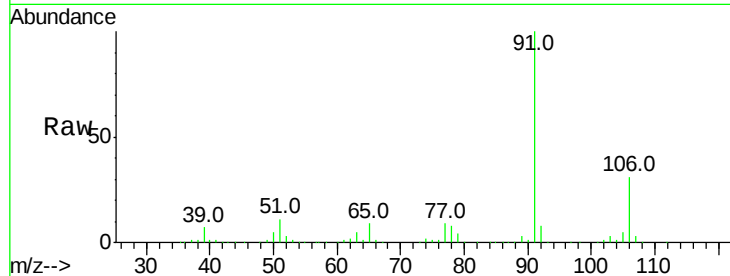
VSTD00539

Tgt Ion: 91 Resp: 325146

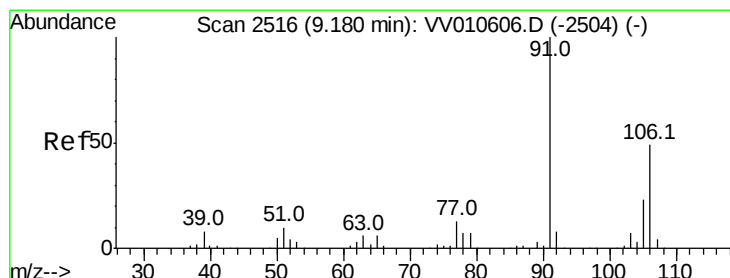
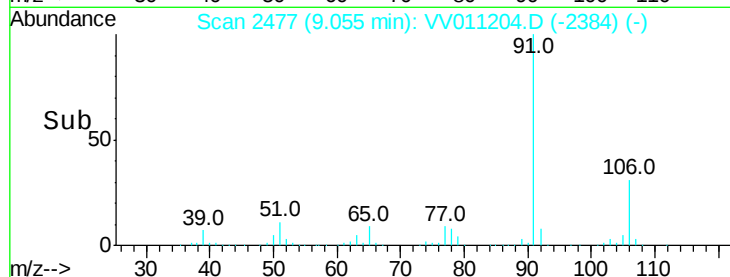
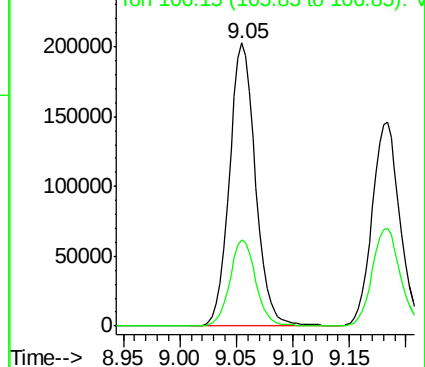
Ion Ratio Lower Upper

91 100

106 30.7 22.0 40.8



Abundance Ion 91.15 (90.85 to 91.85): VV011204.D (-2463) (-)



#53

m,p-xylene

Concen: 5.430 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV011204.D

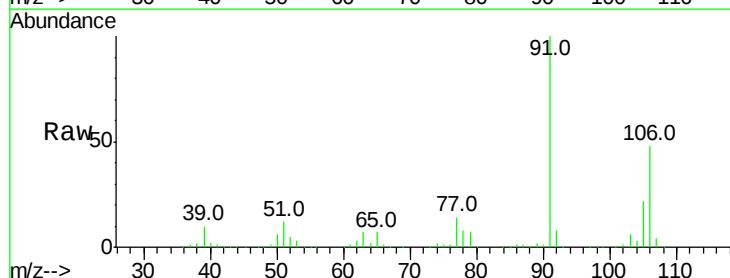
Acq: 04 Jun 2019 13:53

Tgt Ion: 106 Resp: 119880

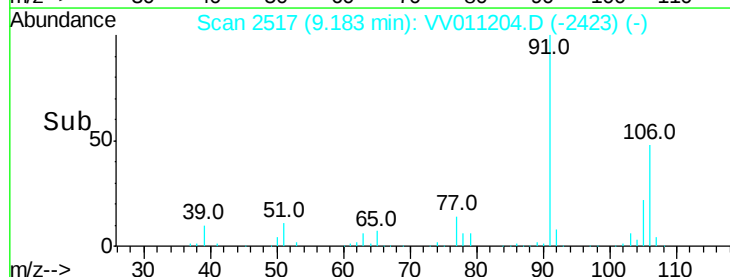
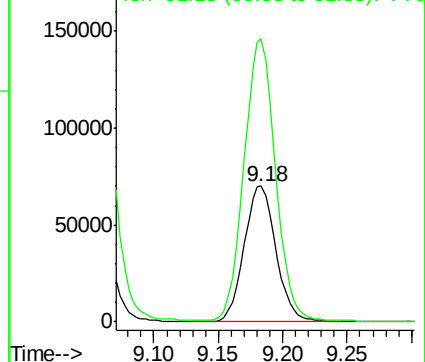
Ion Ratio Lower Upper

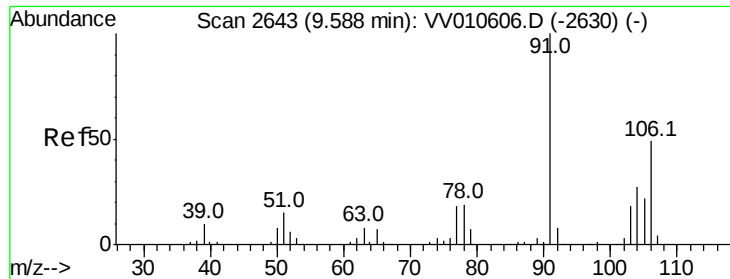
106 100

91 207.9 139.4 258.8



Abundance Ion 106.15 (105.85 to 106.85): VV011204.D (-2504) (-)





#54

o-xylene

Concen: 5.535 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV011204.D

Acq: 04 Jun 2019 13:53

Instrument :

MSVOA_V

ClientSampleId :

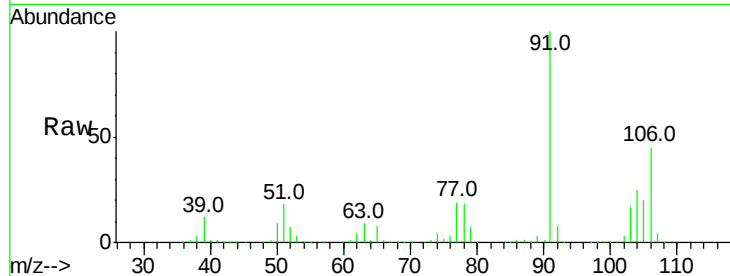
VSTD00539

Tgt Ion:106 Resp: 118976

Ion Ratio Lower Upper

106 100

91 222.0 151.9 282.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0

150000

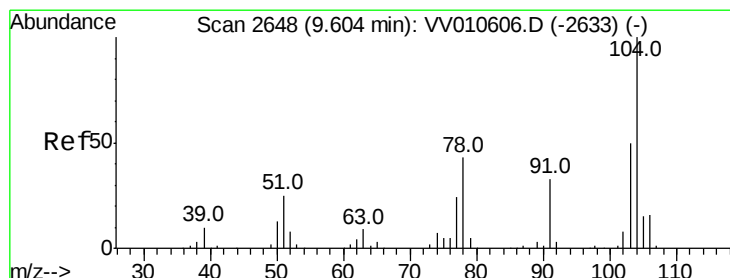
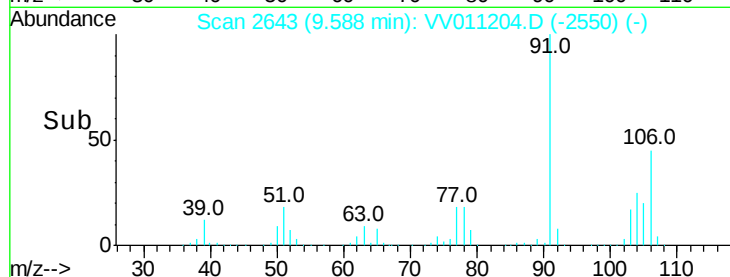
100000

50000

0

9.59

Time-->



#55

Styrene

Concen: 5.603 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV011204.D

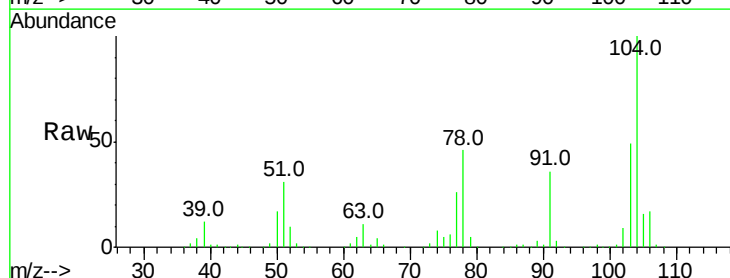
Acq: 04 Jun 2019 13:53

Tgt Ion:104 Resp: 199816

Ion Ratio Lower Upper

104 100

78 46.3 30.5 56.7



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0

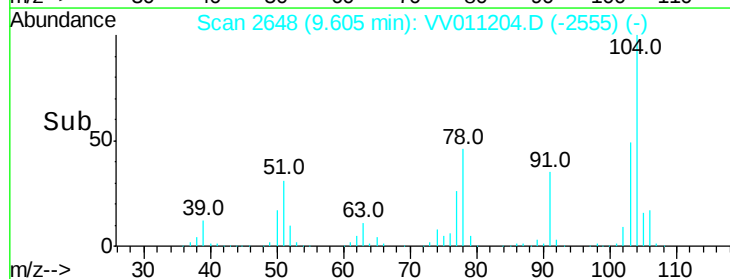
100000

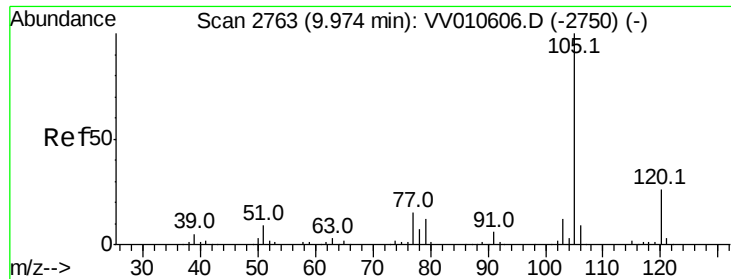
50000

0

9.60

Time-->





#56

Isopropylbenzene

Concen: 5.620 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV011204.D

Acq: 04 Jun 2019 13:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD00539

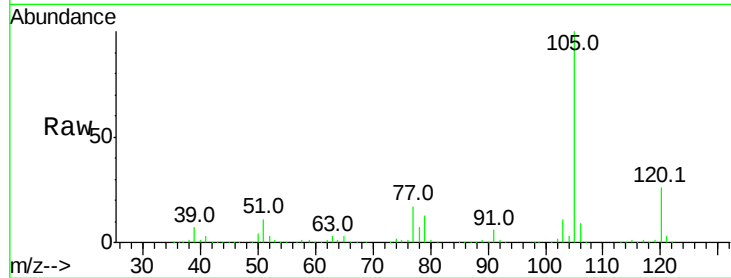
Tgt Ion:105 Resp: 313507

Ion Ratio Lower Upper

105 100

120 26.1 22.0 33.0

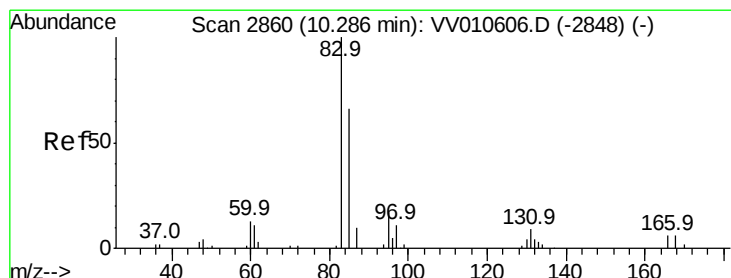
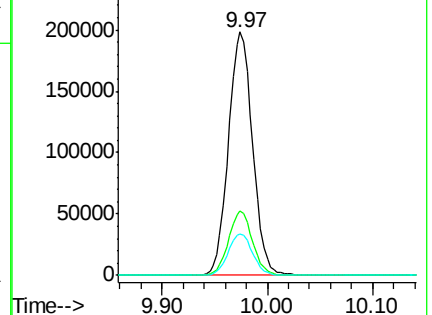
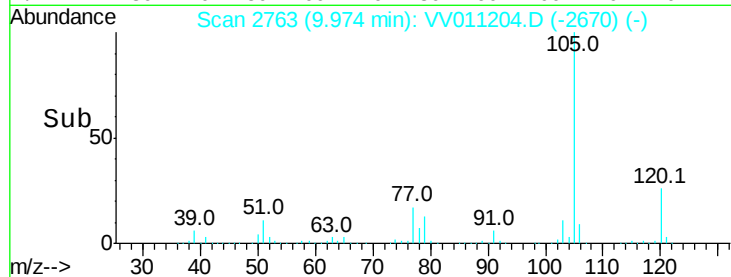
77 17.2 12.9 19.3



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: 5.583 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV011204.D

Acq: 04 Jun 2019 13:53

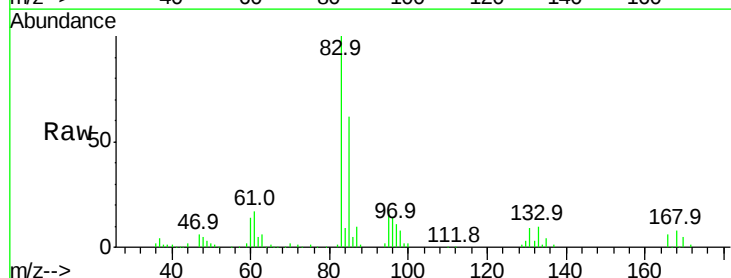
Tgt Ion: 83 Resp: 53186

Ion Ratio Lower Upper

83 100

85 62.2 44.7 83.1

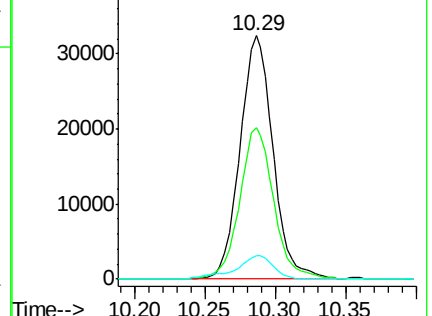
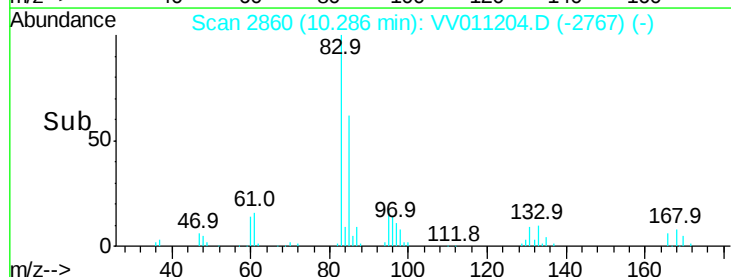
131 9.4 8.1 12.1

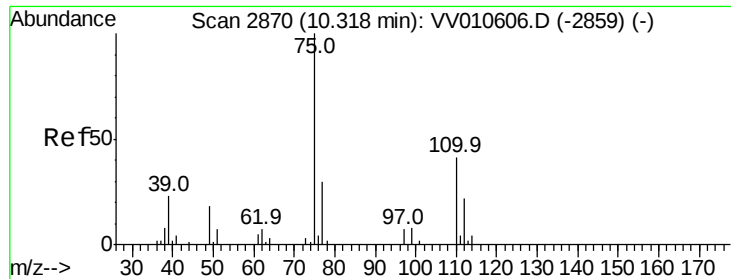


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.849 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VV011204.D

Acq: 04 Jun 2019 13:53

Instrument :

MSVOA_V

ClientSampleId :

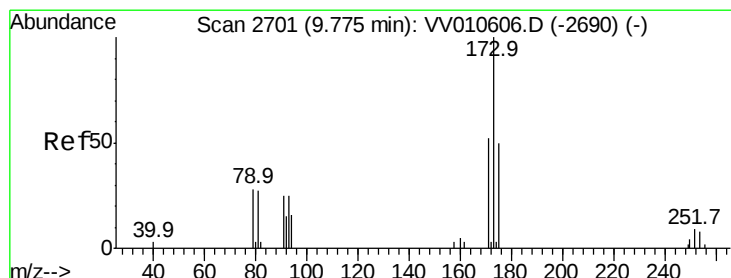
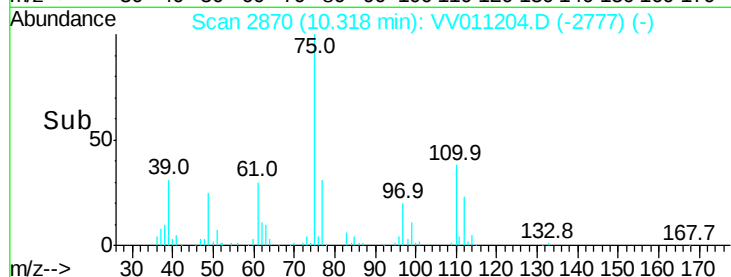
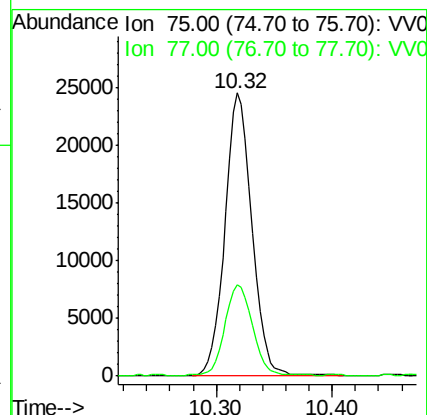
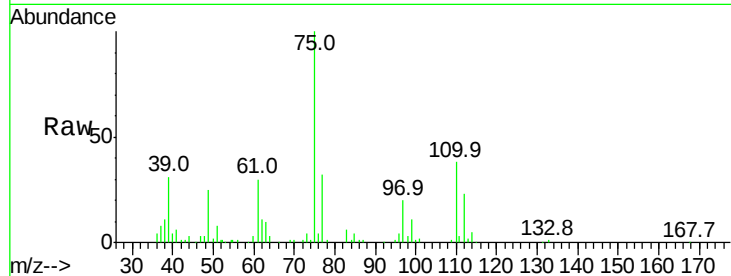
VSTD00539

Tgt Ion: 75 Resp: 39492

Ion Ratio Lower Upper

75 100

77 33.4 24.8 37.2



#61

Bromoform

Concen: 4.838 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV011204.D

Acq: 04 Jun 2019 13:53

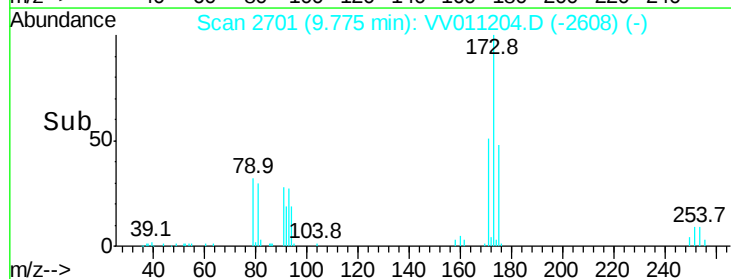
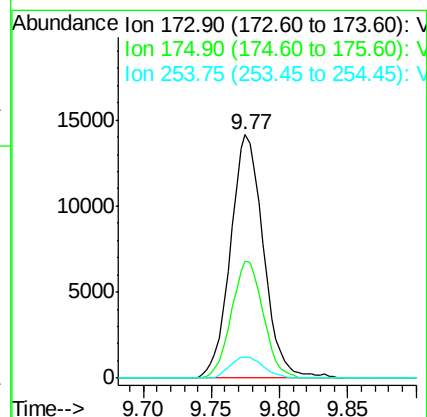
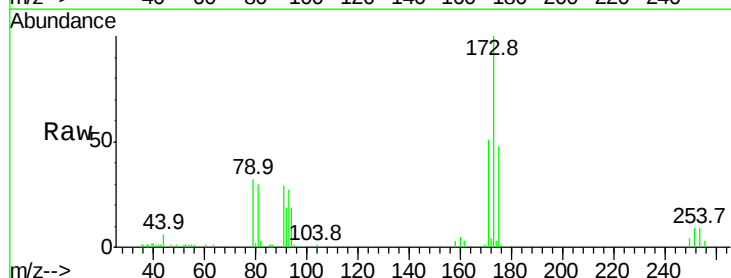
Tgt Ion: 173 Resp: 23759

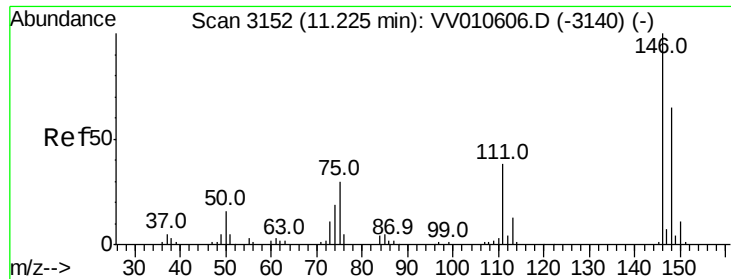
Ion Ratio Lower Upper

173 100

175 46.2 36.7 55.1

254 8.6 5.9 8.9

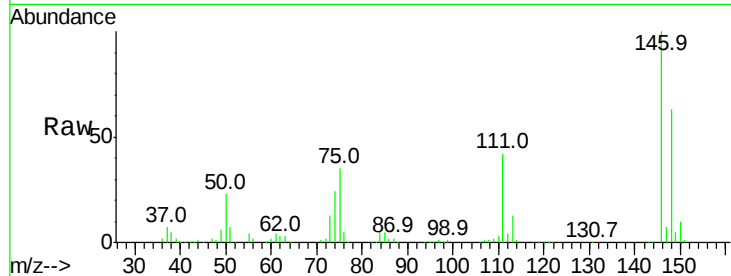




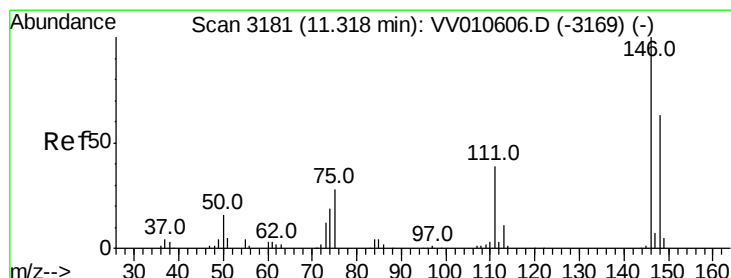
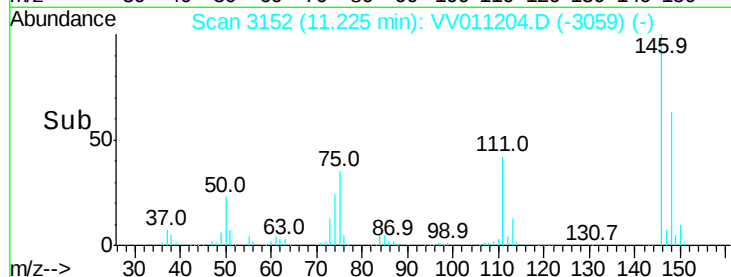
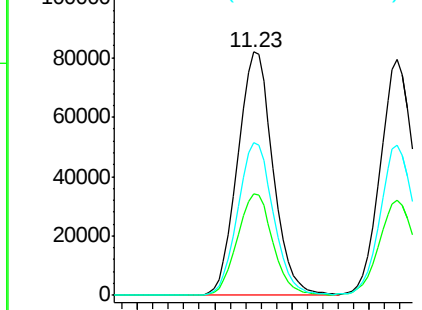
#62
 1,3-Dichlorobenzene
 Concen: 4.990 ug/L
 RT: 11.23 min Scan# 3152
 Delta R.T. 0.00 min
 Lab File: VV011204.D
 Acq: 04 Jun 2019 13:53

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00539

Tgt Ion:146 Resp: 130409
 Ion Ratio Lower Upper
 146 100
 111 41.5 28.8 53.6
 148 62.9 42.3 78.5

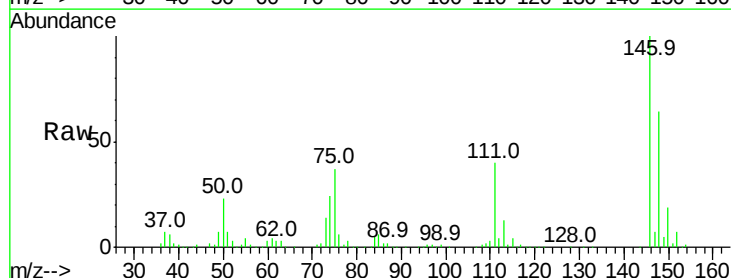


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

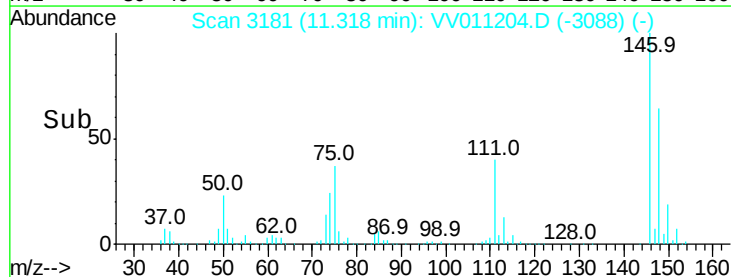
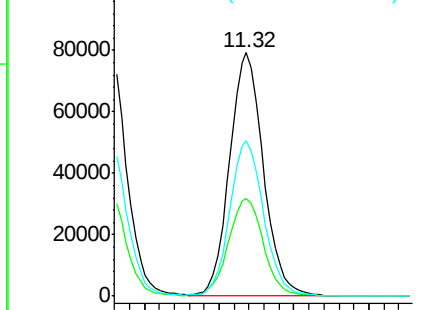


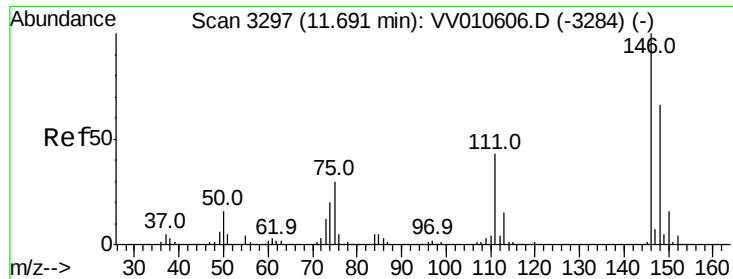
#63
 1,4-Dichlorobenzene
 Concen: 4.777 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV011204.D
 Acq: 04 Jun 2019 13:53

Tgt Ion:146 Resp: 124397
 Ion Ratio Lower Upper
 146 100
 111 40.4 26.8 49.8
 148 63.7 43.2 80.2



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: 4.885 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV011204.D

Acq: 04 Jun 2019 13:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD00539

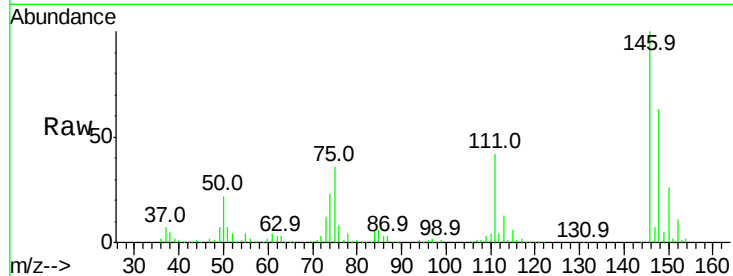
Tgt Ion:146 Resp: 121362

Ion Ratio Lower Upper

146 100

111 42.4 32.7 49.1

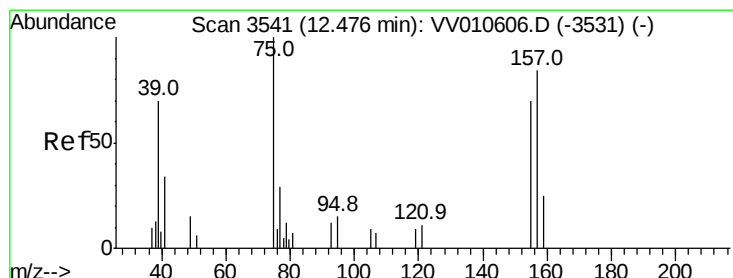
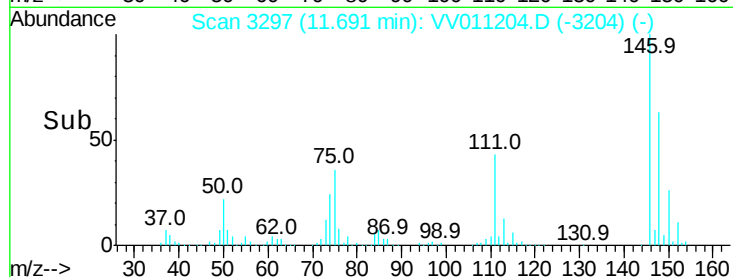
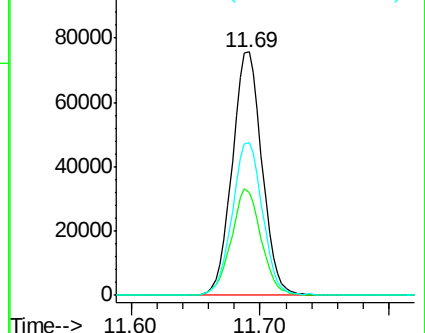
148 62.9 50.2 75.4



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: 5.841 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. 0.00 min

Lab File: VV011204.D

Acq: 04 Jun 2019 13:53

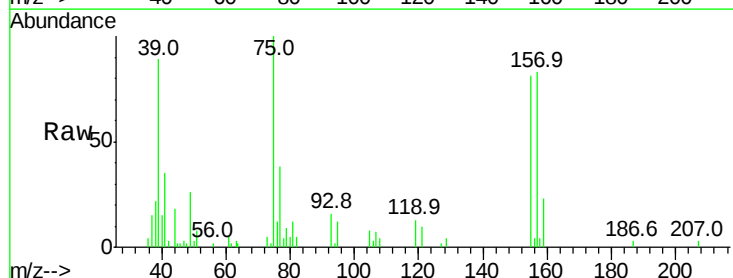
Tgt Ion: 75 Resp: 8318

Ion Ratio Lower Upper

75 100

155 80.5 60.8 91.2

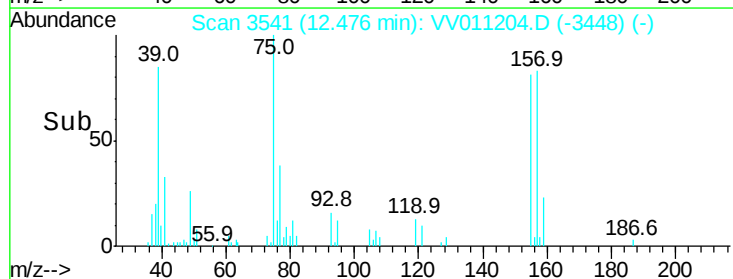
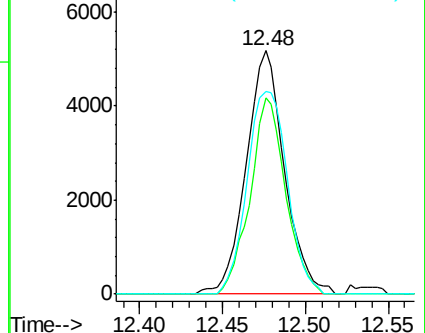
157 83.4 90.2 135.4#

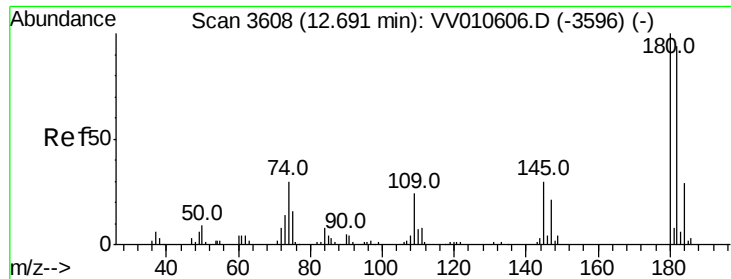


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

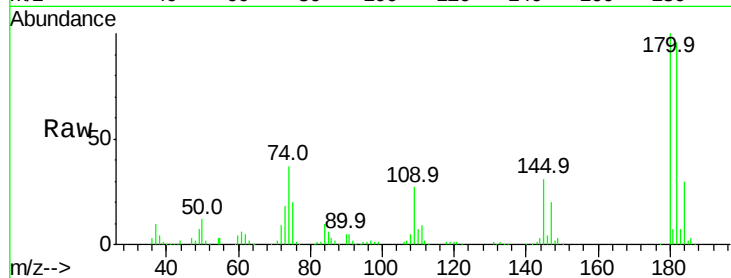




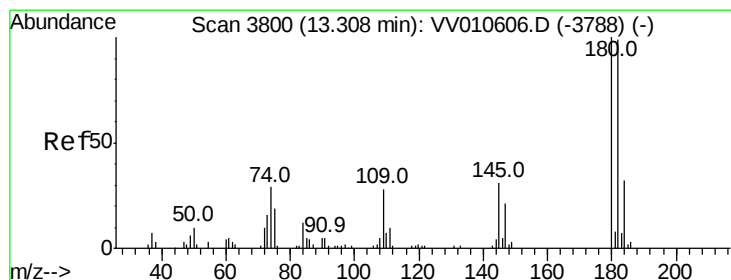
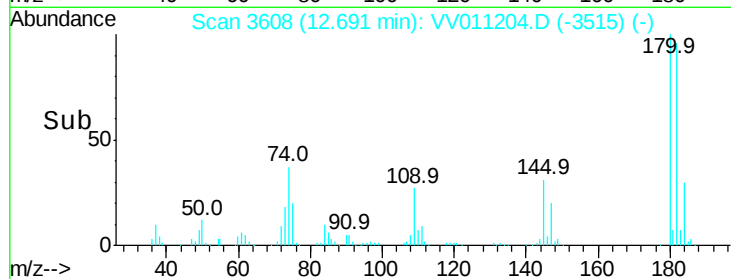
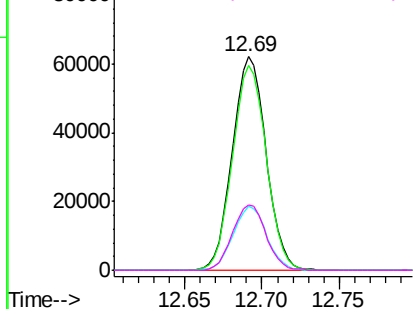
#67
 1,3,5-Trichlorobenzene
 Concen: 4.788 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV011204.D
 Acq: 04 Jun 2019 13:53

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00539

Tgt Ion:180 Resp: 93885
 Ion Ratio Lower Upper
 180 100
 182 95.9 77.0 115.6
 184 29.8 23.4 35.2
 145 30.2 25.5 38.3

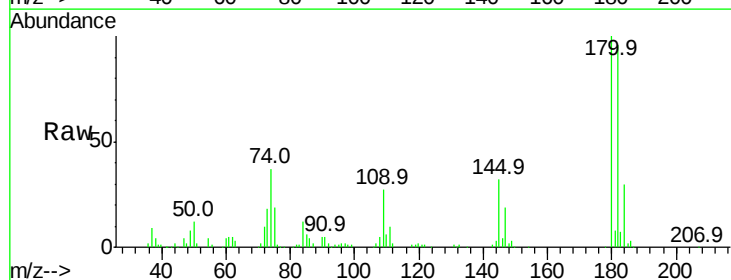


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

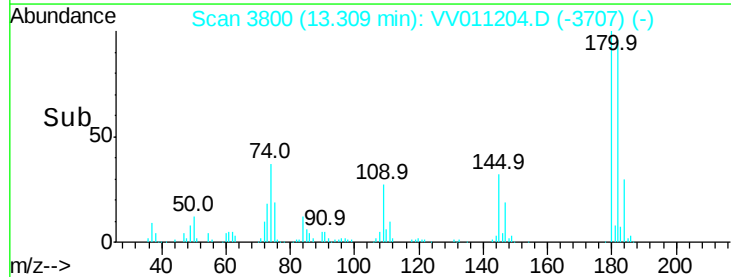
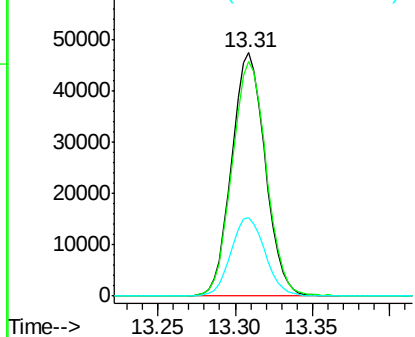


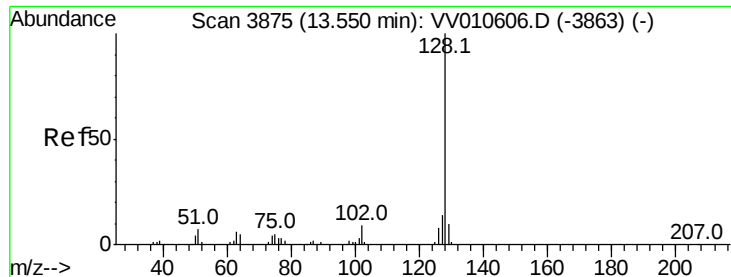
#68
 1,2,4-trichlorobenzene
 Concen: 4.858 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV011204.D
 Acq: 04 Jun 2019 13:53

Tgt Ion:180 Resp: 71464
 Ion Ratio Lower Upper
 180 100
 182 98.5 77.7 116.5
 145 32.9 26.0 39.0



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: 5.339 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV011204.D

Acq: 04 Jun 2019 13:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD00539

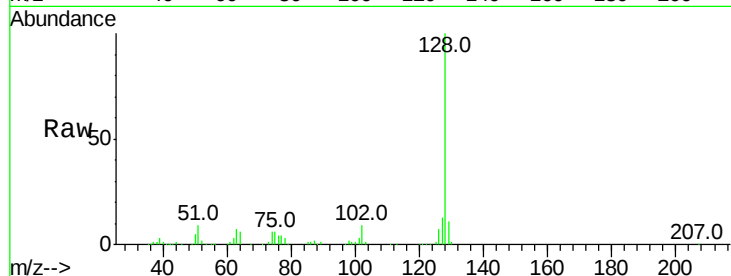
Tgt Ion:128 Resp: 120129

Ion Ratio Lower Upper

128 100

129 11.1 8.5 12.7

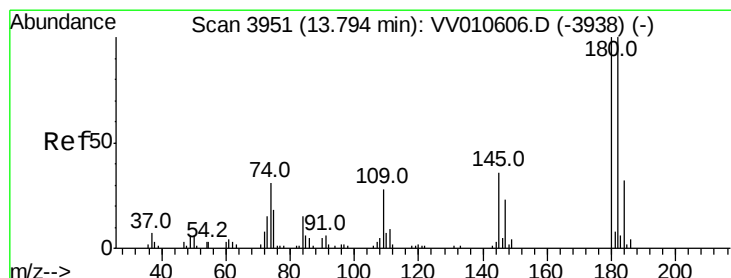
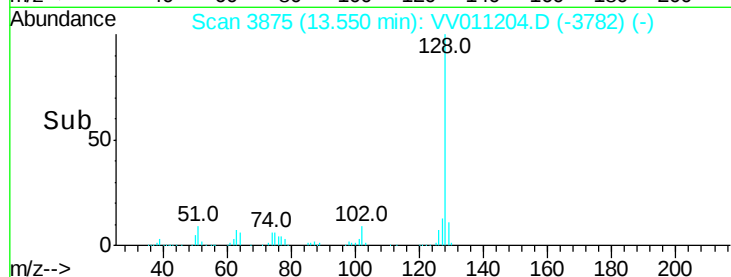
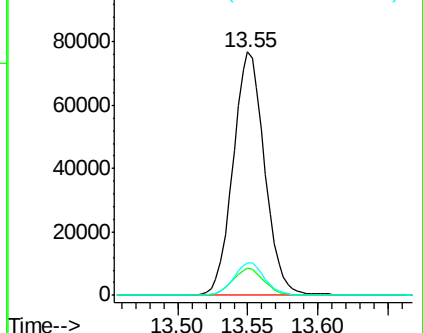
127 13.1 10.3 15.5



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: 5.079 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV011204.D

Acq: 04 Jun 2019 13:53

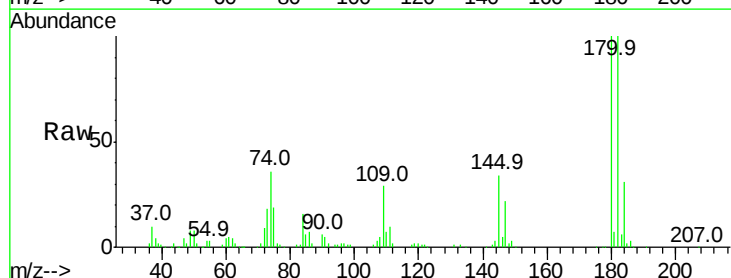
Tgt Ion:180 Resp: 66639

Ion Ratio Lower Upper

180 100

182 98.2 76.0 114.0

145 33.6 26.2 39.4



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

