

Data File : VV011206.D
Acq On : 04 Jun 2019 14:43
Operator : SY/MD
Sample : VSTD02005
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02041

Quant Time: Jun 04 15:04:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR060419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jun 04 14:12:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	195396	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	185233	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	86565	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	277933	24.21	ug/L	0.00
7) Chloroethane-d5	1.58	69	237137	32.06	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	560574	24.48	ug/L	0.00
20) 2-Butanone-d5	3.95	46	658969	244.35	ug/L	0.00
24) Chloroform-d	4.40	84	520791	20.32	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	268570	21.52	ug/L	0.00
32) Benzene-d6	5.09	84	1039410	21.87	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	319411	22.49	ug/L	0.00
41) Toluene-d8	7.36	98	965310	20.91	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	129954	25.74	ug/L	0.00
46) 2-Hexanone-d5	8.13	63	529249	262.42	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	223480	21.10	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	317000	19.49	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	358826	20.161 ug/L	98
3) Chloromethane	1.25	50	341326	22.574 ug/L	100
5) Vinyl chloride	1.32	62	336881	22.060 ug/L	95
6) Bromomethane	1.53	94	171067	18.600 ug/L	97
8) Chloroethane	1.59	64	228467	34.140 ug/L	94
9) Trichlorofluoromethane	1.76	101	450418	18.452 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	236768	18.450 ug/L	99
12) 1,1-Dichloroethene	2.13	96	227002	19.469 ug/L	95
13) Acetone	2.21	43	410974	256.641 ug/L	99
14) Carbon disulfide	2.31	76	707435	22.171 ug/L	100
15) Methyl Acetate	2.47	43	103709	20.934 ug/L	96
16) Methylene chloride	2.53	84	235180	16.894 ug/L	99
17) Methyl tert-butyl Ether	2.81	73	636983	23.008 ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	260750	19.522 ug/L	98
19) 1,1-Dichloroethane	3.22	63	508077	20.773 ug/L	99
21) 2-Butanone	4.04	43	700992	257.567 ug/L	96
22) cis-1,2-Dichloroethene	3.96	96	288567	20.127 ug/L	97
23) Bromochloromethane	4.30	128	109523	18.039 ug/L	96
25) Chloroform	4.42	83	512842	19.621 ug/L	99
27) 1,2-Dichloroethane	5.18	62	322853	21.567 ug/L	99
29) 1,1,1-Trichloroethane	4.65	97	441213	20.741 ug/L	100
30) Cyclohexane	4.72	56	484141	24.183 ug/L	100
31) Carbon tetrachloride	4.87	117	379311	19.927 ug/L	97
33) Benzene	5.14	78	1102080	21.593 ug/L	100
34) Trichloroethene	5.96	95	286733	19.951 ug/L	99
35) Methylcyclohexane	6.17	83	467777	22.468 ug/L	98
37) 1,2-Dichloropropane	6.22	63	280600	22.497 ug/L	99
38) Bromodichloromethane	6.55	83	358260	22.527 ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	437364	25.872 ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	1819424	265.713 ug/L	100

Data File : VV011206.D
Acq On : 04 Jun 2019 14:43
Operator : SY/MD
Sample : VSTD02005
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02041

Quant Time: Jun 04 15:04:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR060419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jun 04 14:12:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	1176182	20.599	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	333147	25.266	ug/L	97
45) 1,1,2-Trichloroethane	7.88	97	178400	20.131	ug/L	98
47) Tetrachloroethene	8.02	164	204229	18.004	ug/L	99
48) 2-Hexanone	8.19	43	1334514	271.706	ug/L	99
49) Dibromochloromethane	8.29	129	218359	21.160	ug/L	99
50) 1,2-Dibromoethane	8.40	107	167868	21.199	ug/L	98
51) Chlorobenzene	8.92	112	720487	19.406	ug/L	99
52) Ethylbenzene	9.05	91	1329572	21.955	ug/L	99
53) m,p-xylene	9.18	106	495885	21.379	ug/L	99
54) o-xylene	9.59	106	485548	21.501	ug/L	99
55) Styrene	9.60	104	813581	21.715	ug/L	97
56) Isopropylbenzene	9.97	105	1304649	22.261	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	216976	21.677	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	161820	22.813	ug/L	98
61) Bromoform	9.77	173	109180	20.919	ug/L	98
62) 1,3-Dichlorobenzene	11.22	146	538802	19.398	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	527553	19.060	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	496464	18.803	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	37178	24.564	ug/L	88
67) 1,3,5-Trichlorobenzene	12.69	180	398875	19.141	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	330179	21.118	ug/L	97
69) Naphthalene	13.55	128	601099	25.136	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	295701	21.207	ug/L	98

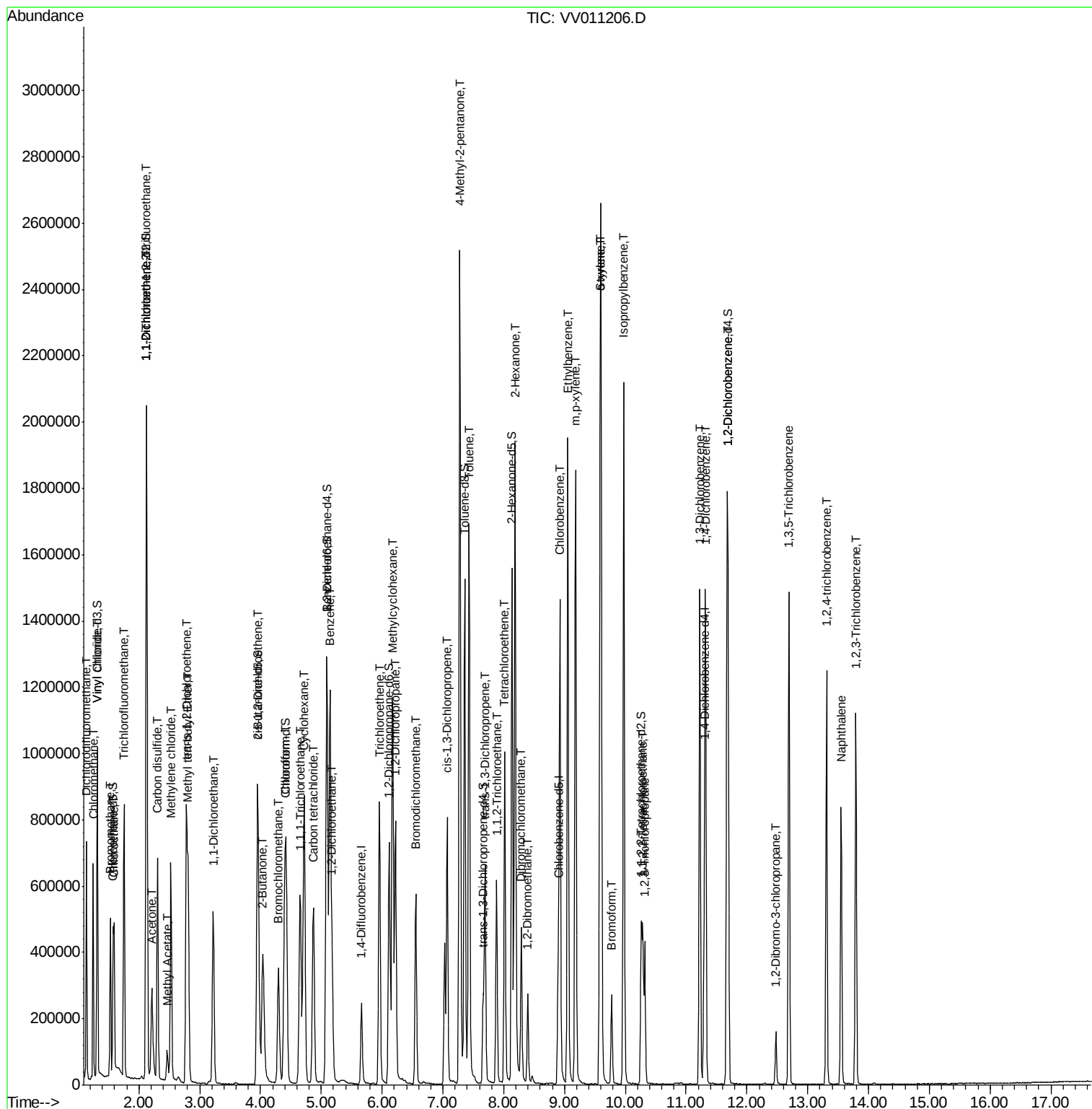
(#) = qualifier out of range (m) = manual integration (+) = signals summed

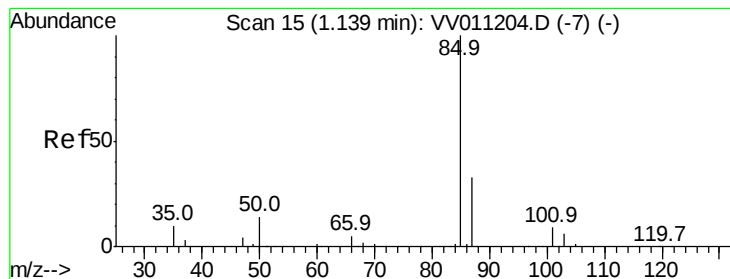
Data File : VV011206.D

```
Acq On       : 04 Jun 2019   14:43
Operator    : SY/MD
Sample      : VSTD02005
Misc        : 25ML/MSV0A_V/WATER
ALS Vial     : 1      Sample Multiplier: 1
```

Instrument :
MSVOA_V
ClientSampleId :
VSTD02041

Quant Time: Jun 04 15:04:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR060419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jun 04 14:12:35 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 20.161 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV011206.D

Acq: 04 Jun 2019 14:43

Instrument :

MSVOA_V

ClientSampleId :

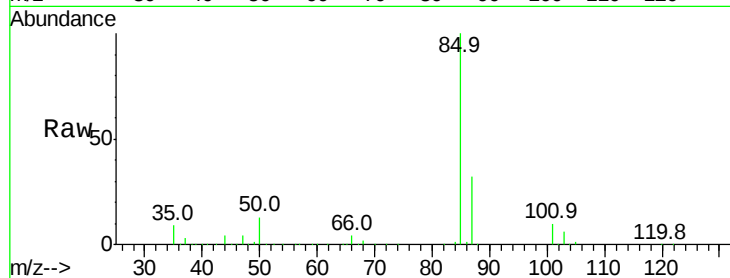
VSTD02041

Tgt Ion: 85 Resp: 358826

Ion Ratio Lower Upper

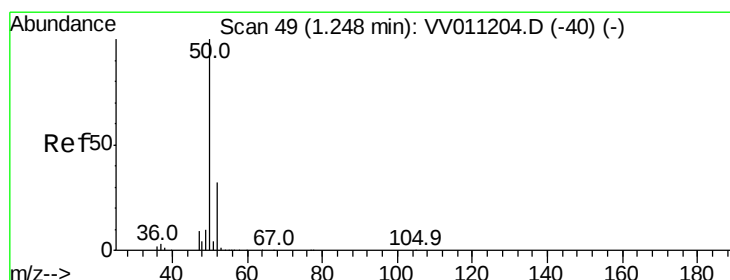
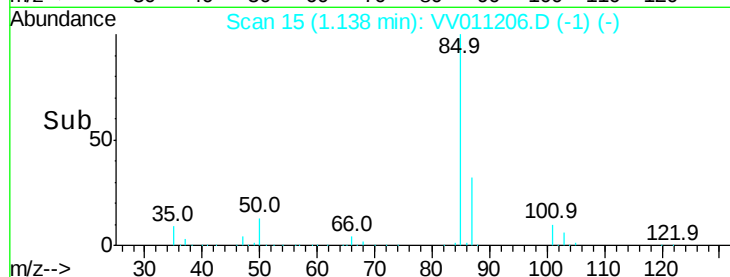
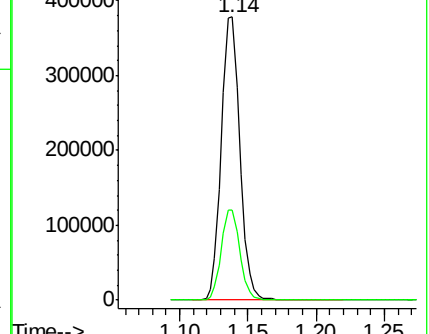
85 100

87 32.0 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 22.574 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV011206.D

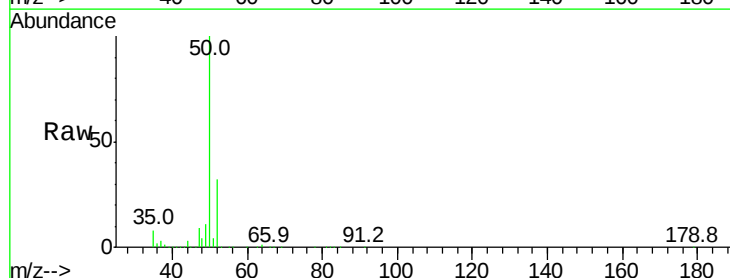
Acq: 04 Jun 2019 14:43

Tgt Ion: 50 Resp: 341326

Ion Ratio Lower Upper

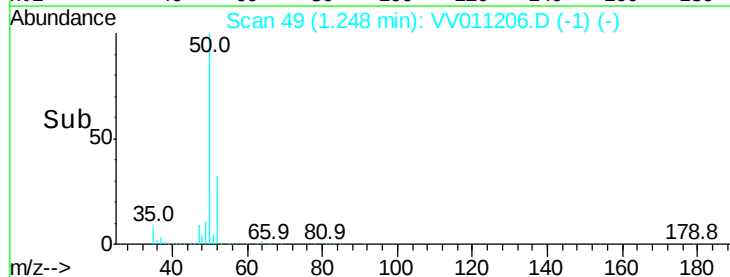
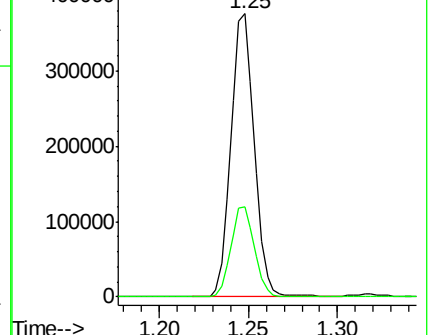
50 100

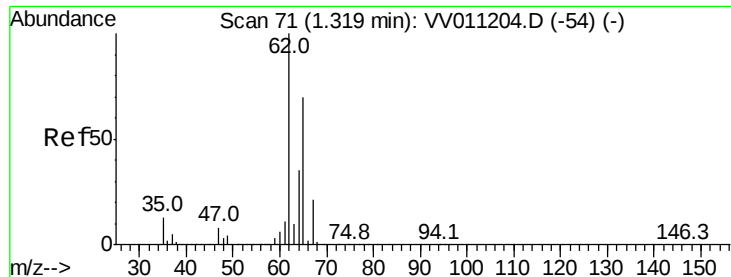
52 32.0 22.3 41.5



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 22.060 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV011206.D

Acq: 04 Jun 2019 14:43

Instrument :

MSVOA_V

ClientSampleId :

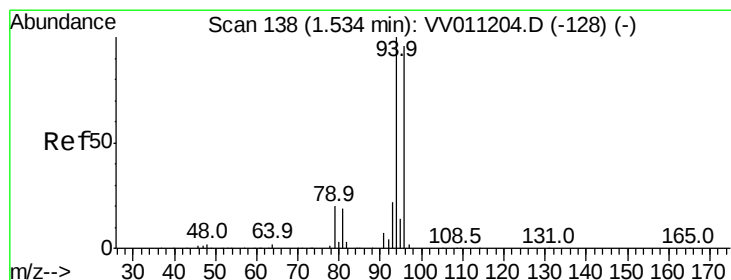
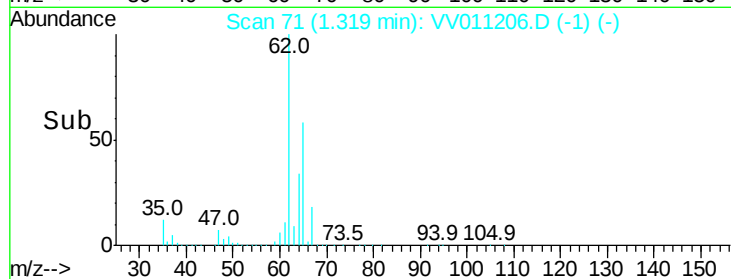
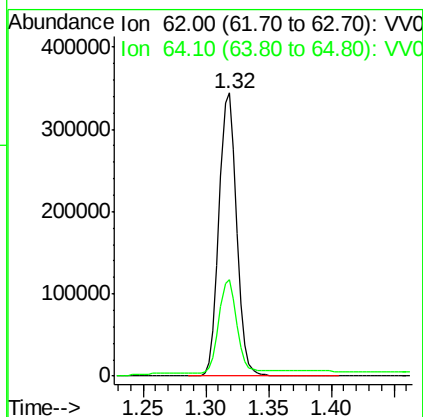
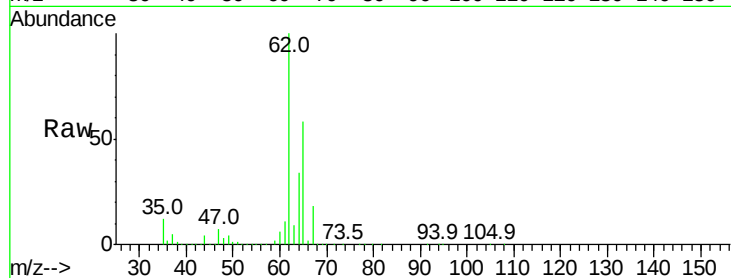
VSTD02041

Tgt Ion: 62 Resp: 336881

Ion Ratio Lower Upper

62 100

64 33.9 25.9 48.1



#6

Bromomethane

Concen: 18.600 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV011206.D

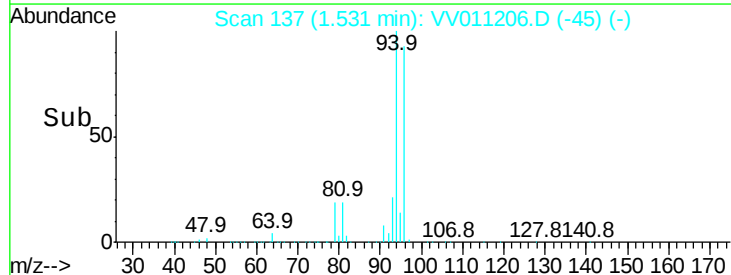
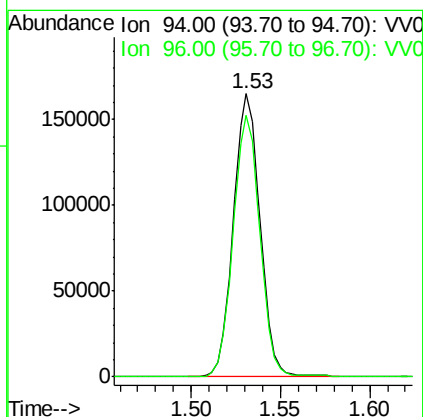
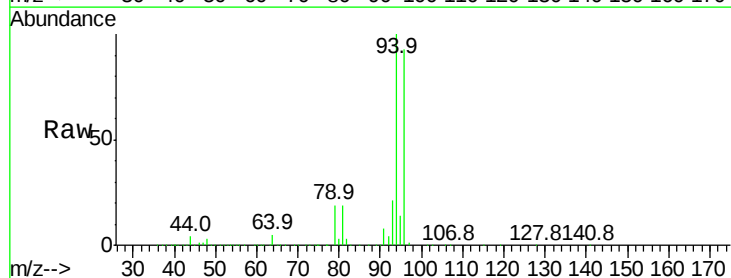
Acq: 04 Jun 2019 14:43

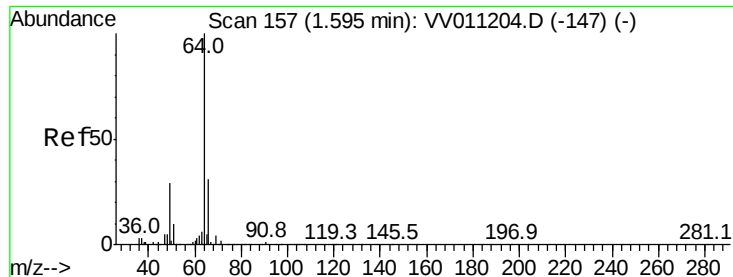
Tgt Ion: 94 Resp: 171067

Ion Ratio Lower Upper

94 100

96 92.5 67.0 124.4





#8

Chloroethane

Concen: 34.140 ug/L

RT: 1.59 min Scan# 156

Delta R.T. -0.00 min

Lab File: VV011206.D

Acq: 04 Jun 2019 14:43

Instrument :

MSVOA_V

ClientSampleId :

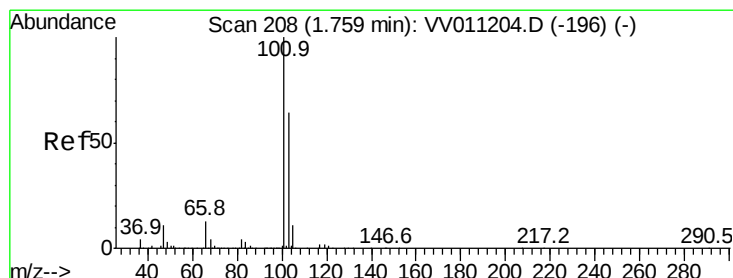
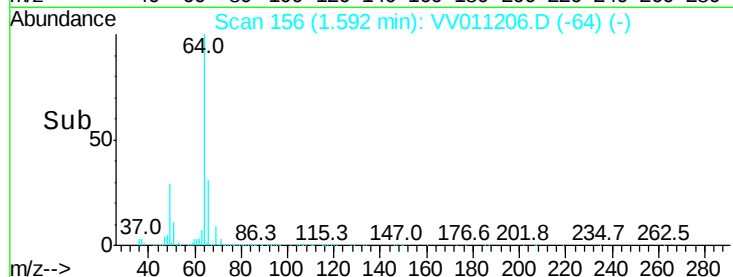
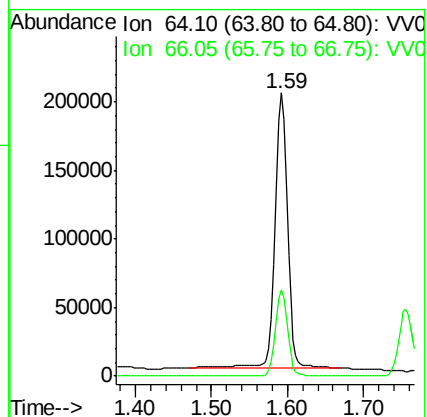
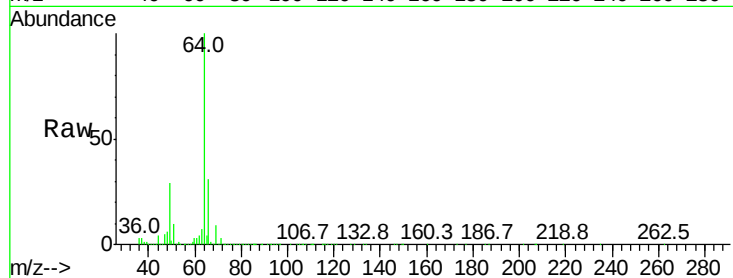
VSTD02041

Tgt Ion: 64 Resp: 228467

Ion Ratio Lower Upper

64 100

66 30.7 19.4 36.0



#9

Trichlorofluoromethane

Concen: 18.452 ug/L

RT: 1.76 min Scan# 207

Delta R.T. -0.00 min

Lab File: VV011206.D

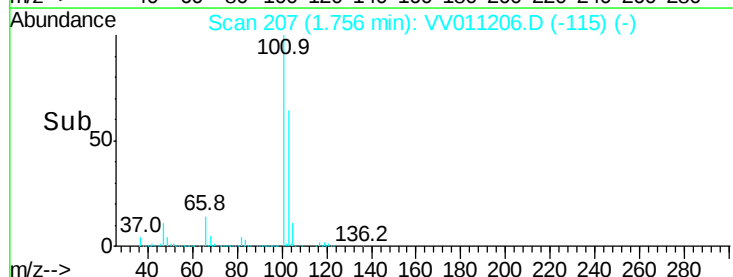
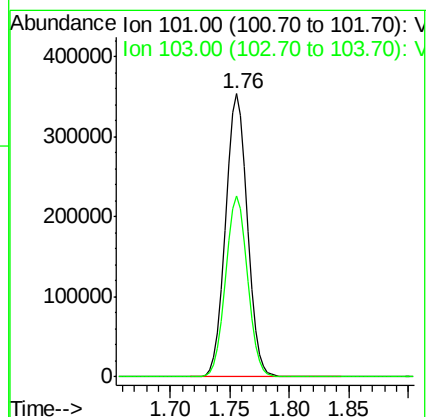
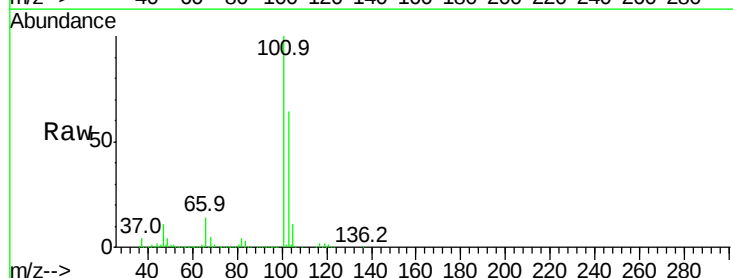
Acq: 04 Jun 2019 14:43

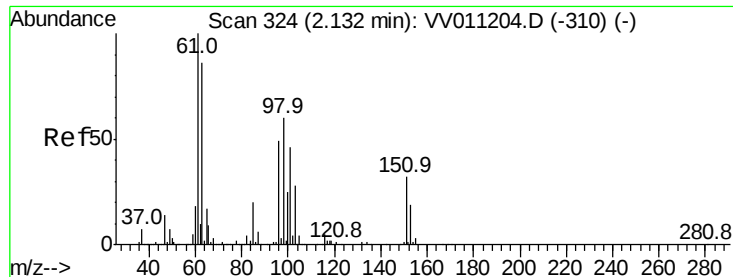
Tgt Ion: 101 Resp: 450418

Ion Ratio Lower Upper

101 100

103 64.5 50.8 76.2





#10

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

Concen: 18.450 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV011206.D

Acq: 04 Jun 2019 14:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD02041

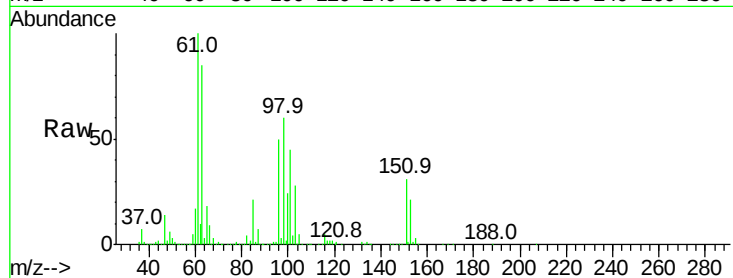
Tgt Ion: 101 Resp: 236768

Ion Ratio Lower Upper

101 100

85 45.5 35.5 53.3

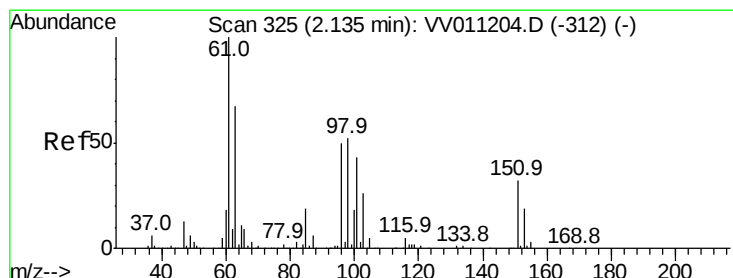
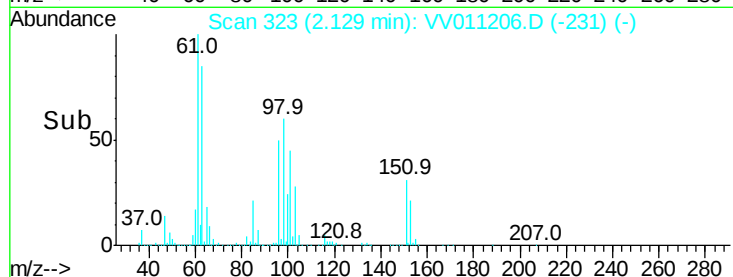
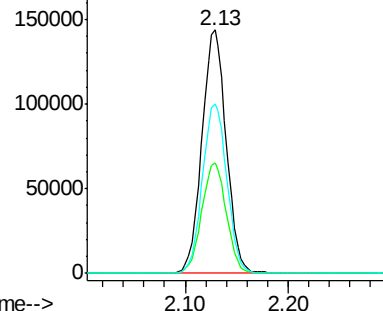
151 70.4 56.9 85.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 19.469 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV011206.D

Acq: 04 Jun 2019 14:43

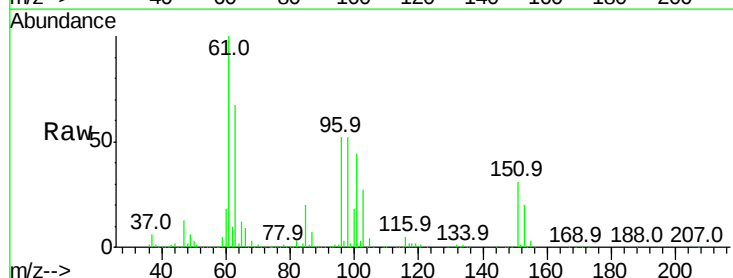
Tgt Ion: 96 Resp: 227002

Ion Ratio Lower Upper

96 100

61 192.8 139.8 259.6

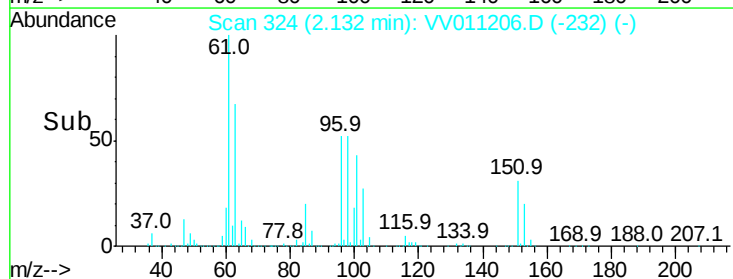
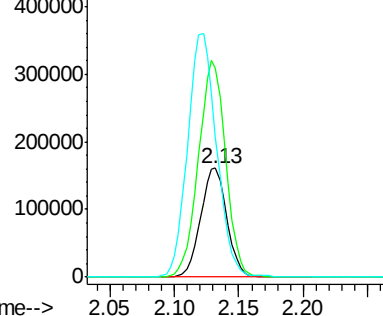
63 129.0 94.3 175.1

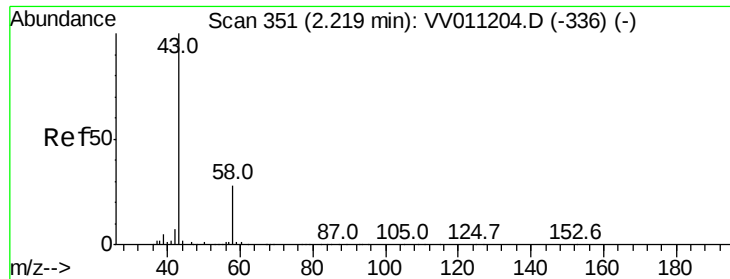


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 256.641 ug/L

RT: 2.21 min Scan# 349

Delta R.T. -0.01 min

Lab File: VV011206.D

Acq: 04 Jun 2019 14:43

Instrument :

MSVOA_V

ClientSampleId :

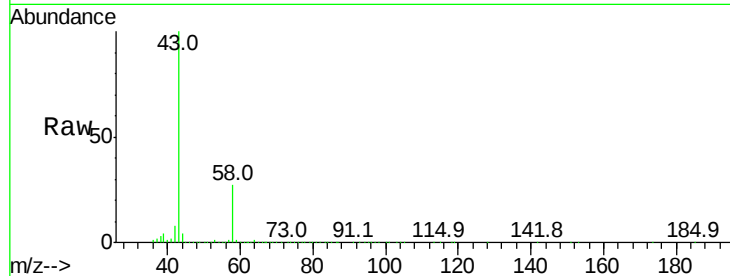
VSTD02041

Tgt Ion: 43 Resp: 410974

Ion Ratio Lower Upper

43 100

58 26.9 0.0 55.2



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

2.21

200000

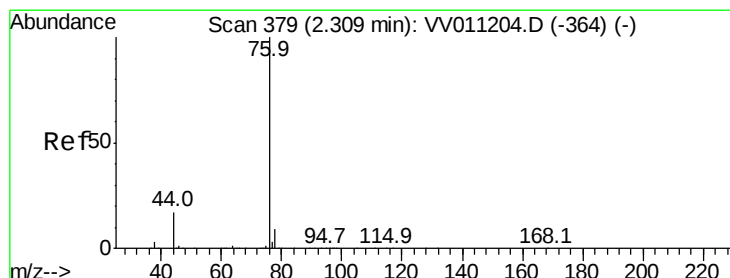
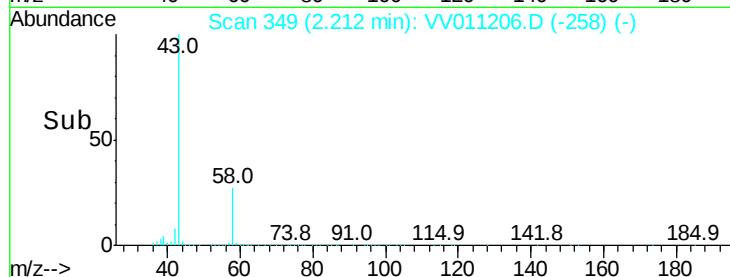
150000

100000

50000

0

Time--> 2.10 2.20 2.30 2.40



#14

Carbon disulfide

Concen: 22.171 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV011206.D

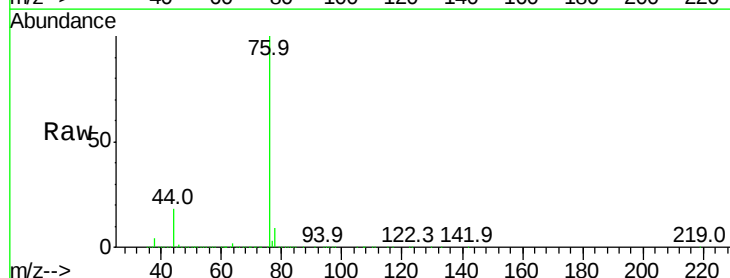
Acq: 04 Jun 2019 14:43

Tgt Ion: 76 Resp: 707435

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.31

500000

400000

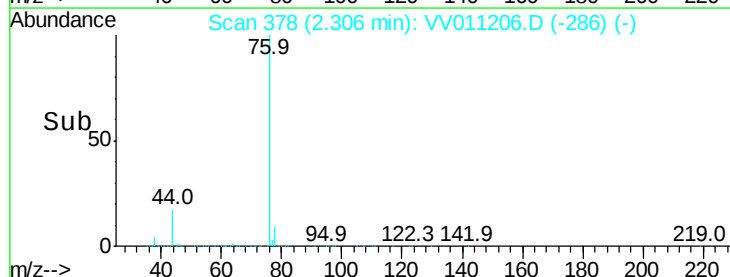
300000

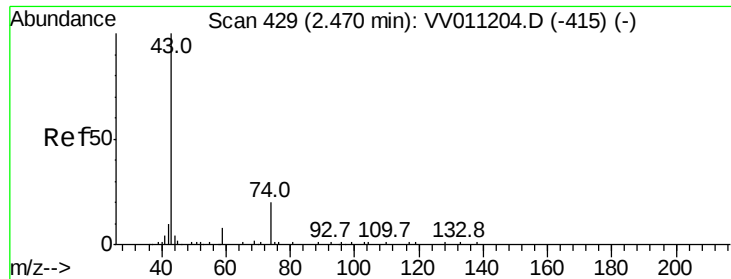
200000

100000

0

Time--> 2.20 2.30 2.40

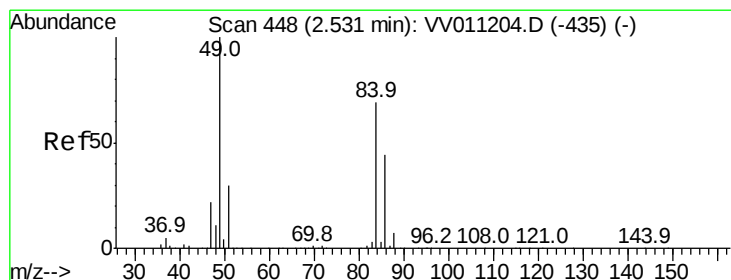
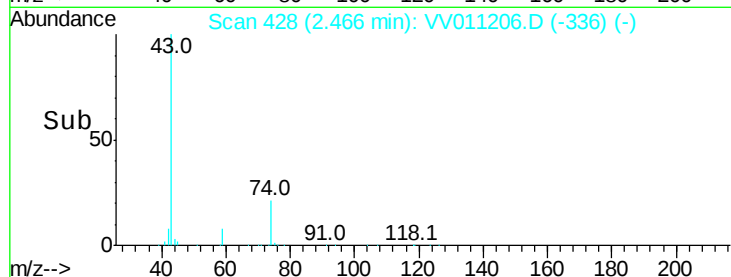
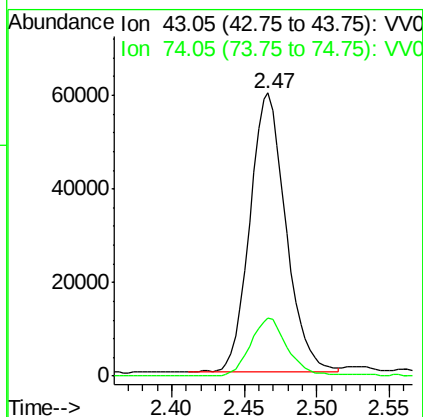
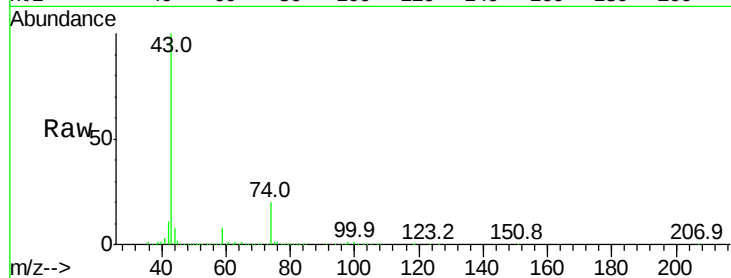




#15
Methyl Acetate
Concen: 20.934 ug/L
RT: 2.47 min Scan# 428
Delta R.T. -0.00 min
Lab File: VV011206.D
Acq: 04 Jun 2019 14:43

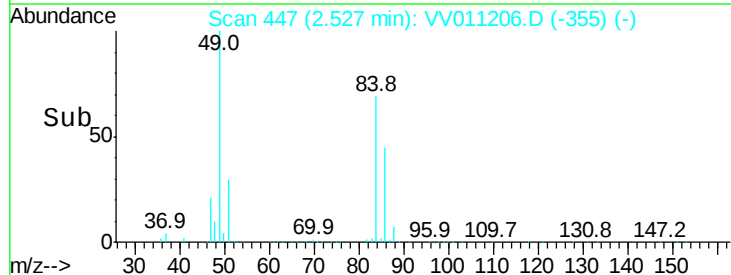
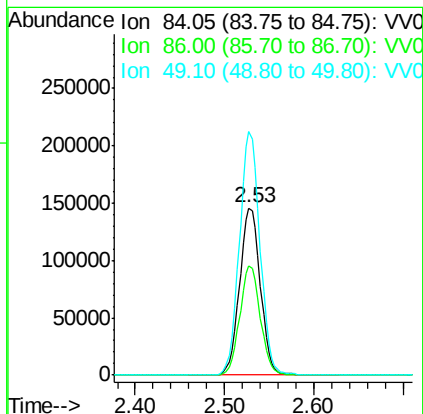
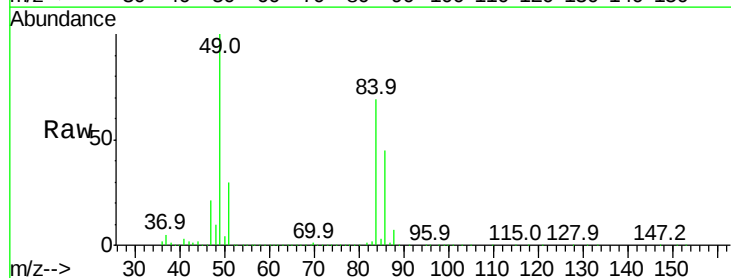
Instrument :
MSVOA_V
ClientSampled :
VSTD02041

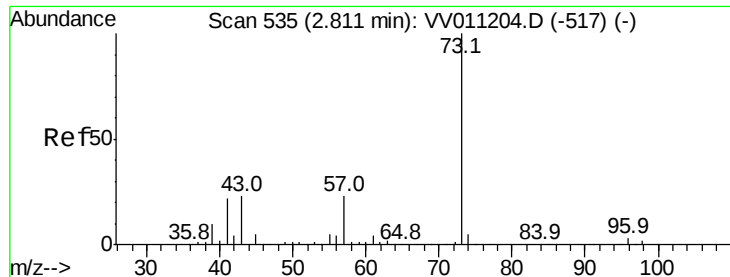
Tgt Ion: 43 Resp: 103709
Ion Ratio Lower Upper
43 100
74 21.2 18.5 27.7



#16
Methylene chloride
Concen: 16.894 ug/L
RT: 2.53 min Scan# 447
Delta R.T. -0.00 min
Lab File: VV011206.D
Acq: 04 Jun 2019 14:43

Tgt Ion: 84 Resp: 235180
Ion Ratio Lower Upper
84 100
86 65.2 44.9 83.3
49 145.4 102.1 189.5





#17

Methyl tert-butyl Ether

Concen: 23.008 ug/L

RT: 2.81 min Scan# 535

Delta R.T. -0.00 min

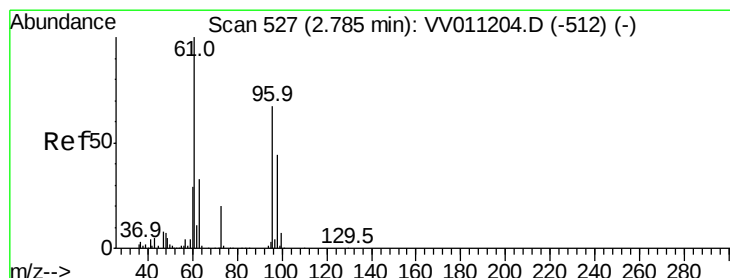
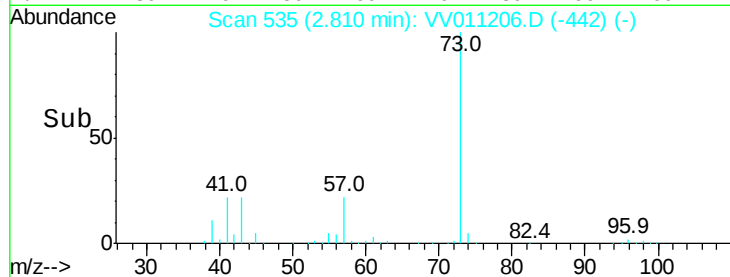
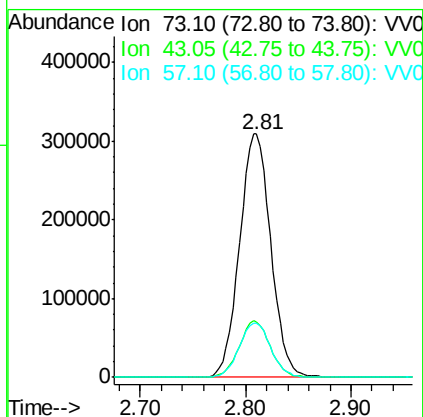
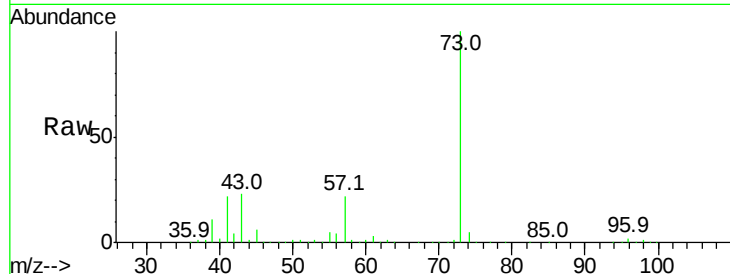
Lab File: VV011206.D

Acq: 04 Jun 2019 14:43

Instrument :
MSVOA_V
ClientSampleId :
VSTD02041

Tgt Ion: 73 Resp: 636983

Ion	Ratio	Lower	Upper
73	100		
43	22.7	18.7	28.1
57	22.7	18.1	27.1



#18

trans-1,2-Dichloroethene

Concen: 19.522 ug/L

RT: 2.78 min Scan# 526

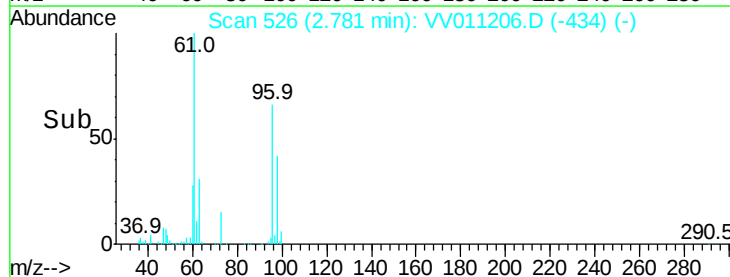
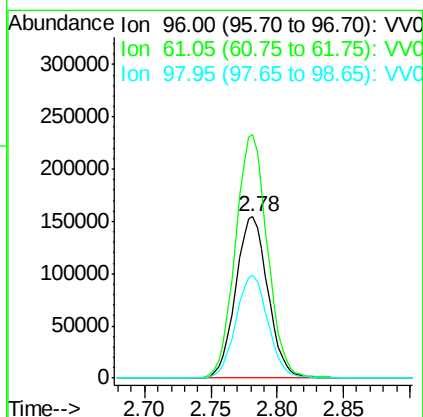
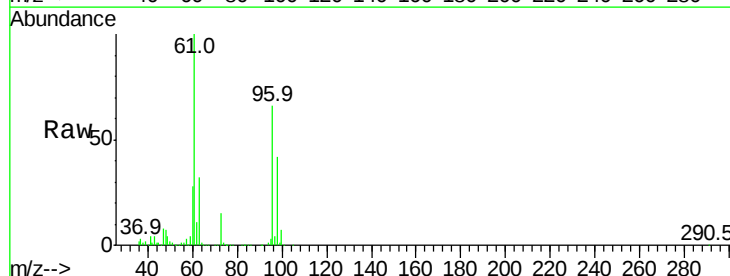
Delta R.T. -0.00 min

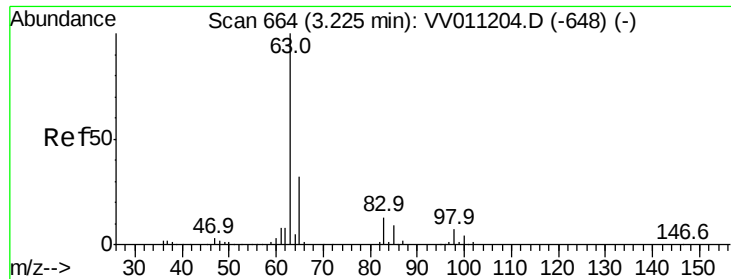
Lab File: VV011206.D

Acq: 04 Jun 2019 14:43

Tgt Ion: 96 Resp: 260750

Ion	Ratio	Lower	Upper
96	100		
61	151.0	104.0	193.2
98	63.6	45.7	84.9





#19

1,1-Dichloroethane

Concen: 20.773 ug/L

RT: 3.22 min Scan# 663

Delta R.T. -0.00 min

Lab File: VV011206.D

Acq: 04 Jun 2019 14:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD02041

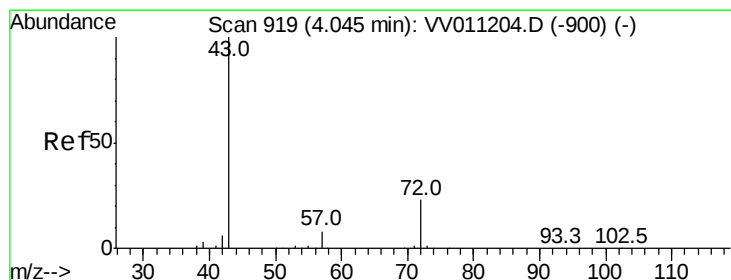
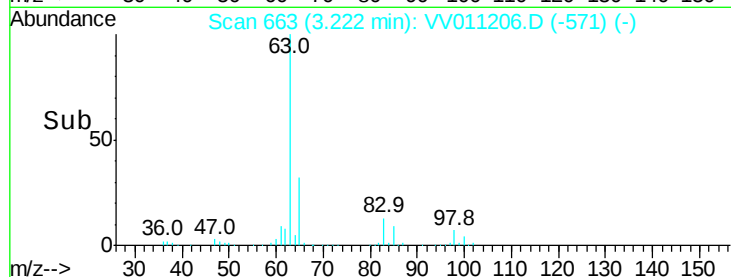
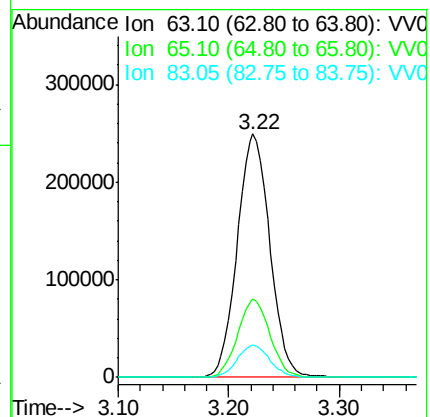
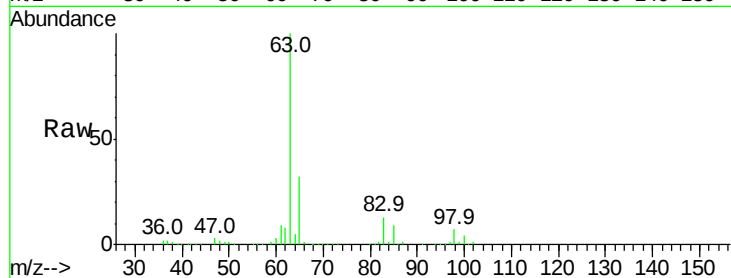
Tgt Ion: 63 Resp: 508077

Ion Ratio Lower Upper

63 100

65 32.1 22.1 41.1

83 13.2 9.2 17.0



#21

2-Butanone

Concen: 257.567 ug/L

RT: 4.04 min Scan# 917

Delta R.T. -0.01 min

Lab File: VV011206.D

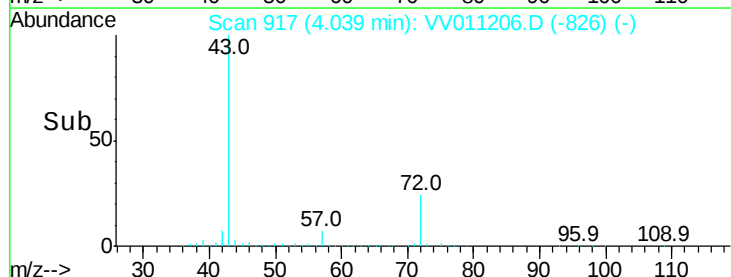
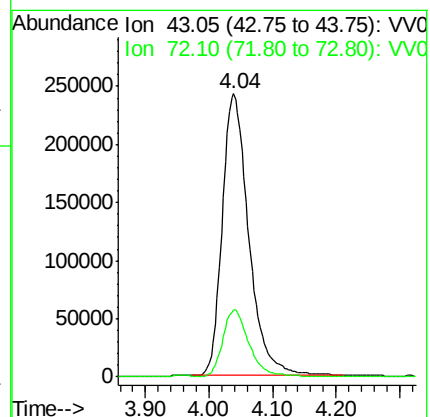
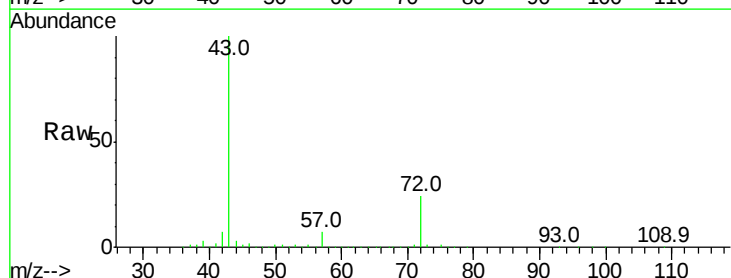
Acq: 04 Jun 2019 14:43

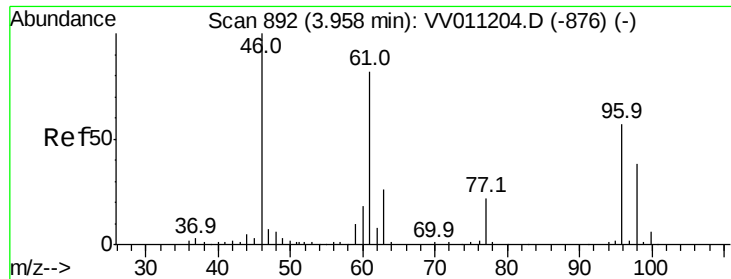
Tgt Ion: 43 Resp: 700992

Ion Ratio Lower Upper

43 100

72 23.5 12.7 38.1



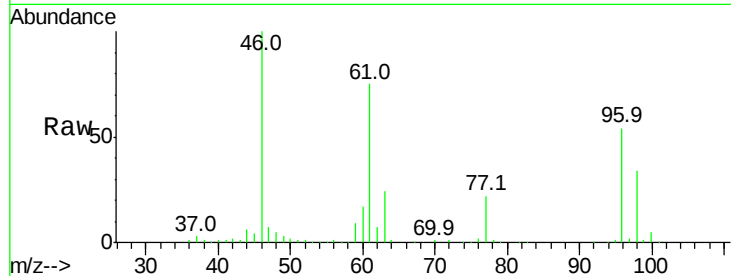


#22

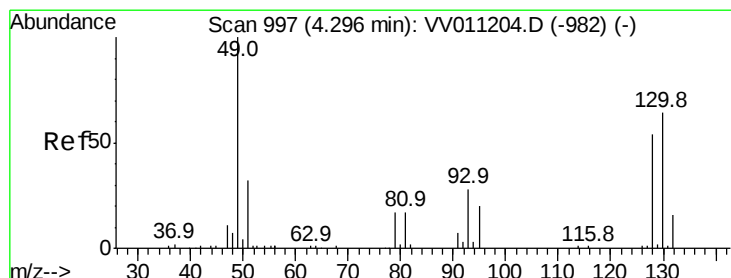
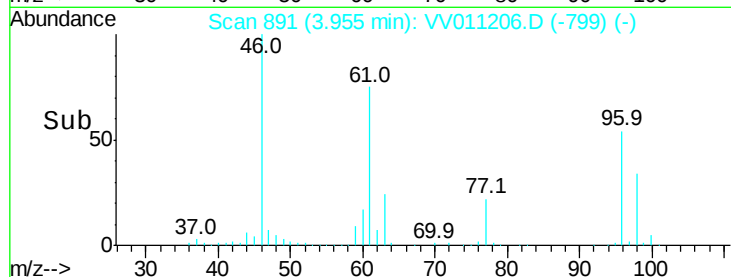
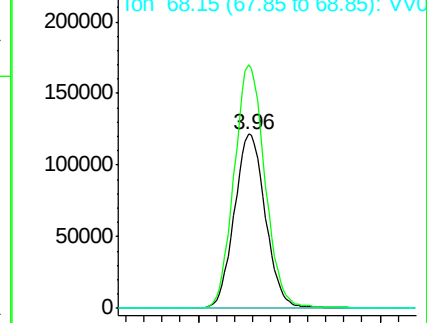
cis-1,2-Dichloroethene
Concen: 20.127 ug/L
RT: 3.96 min Scan# 891
Delta R.T. -0.00 min
Lab File: VV011206.D
Acq: 04 Jun 2019 14:43

Instrument :
MSVOA_V
ClientSampleId :
VSTD02041

Tgt Ion: 96 Resp: 288567
Ion Ratio Lower Upper
96 100
61 139.9 100.8 187.2
68 0.0 0.0 0.0



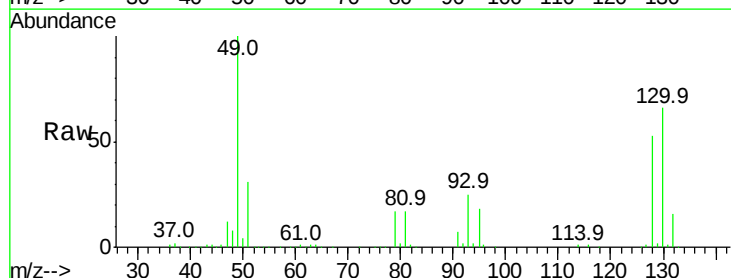
Abundance Ion 96.00 (95.70 to 96.70): VV011206.D (-799) (-)
Ion 61.05 (60.75 to 61.75): VV011206.D (-799) (-)
Ion 68.15 (67.85 to 68.85): VV011206.D (-799) (-)



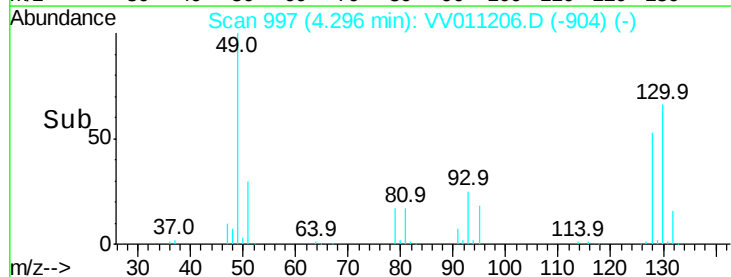
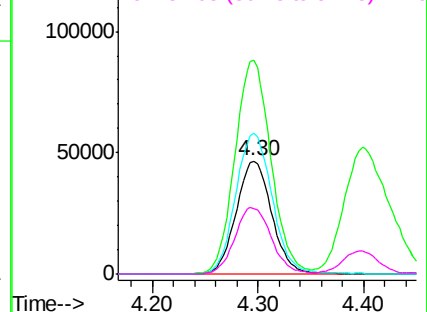
#23

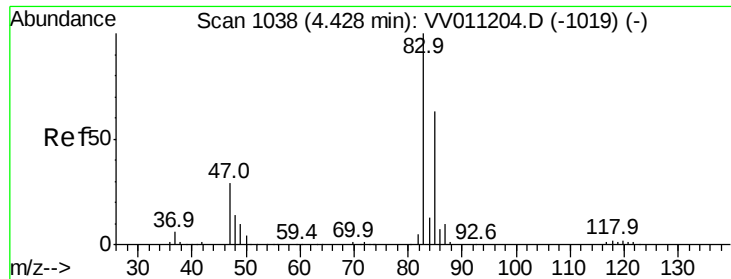
Bromochloromethane
Concen: 18.039 ug/L
RT: 4.30 min Scan# 997
Delta R.T. -0.00 min
Lab File: VV011206.D
Acq: 04 Jun 2019 14:43

Tgt Ion: 128 Resp: 109523
Ion Ratio Lower Upper
128 100
49 188.9 128.9 239.5
130 124.2 82.5 153.1
51 57.9 47.2 70.8



Abundance Ion 127.90 (127.60 to 128.60): VV011206.D (-904) (-)
Ion 49.10 (48.80 to 49.80): VV011206.D (-904) (-)
Ion 129.95 (129.65 to 130.65): VV011206.D (-904) (-)
Ion 51.05 (50.75 to 51.75): VV011206.D (-904) (-)

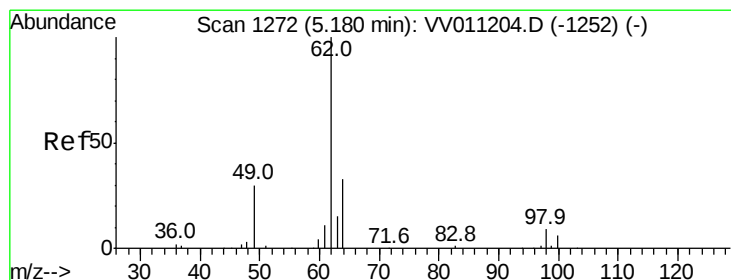
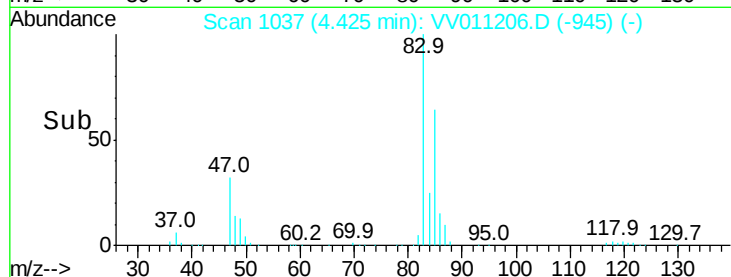
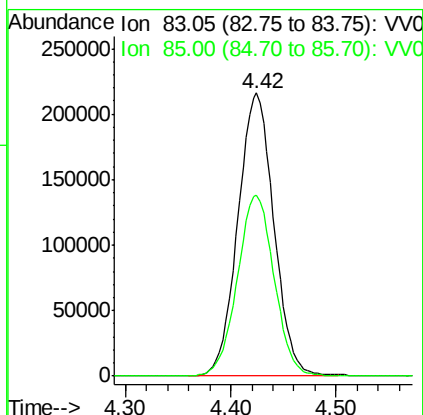
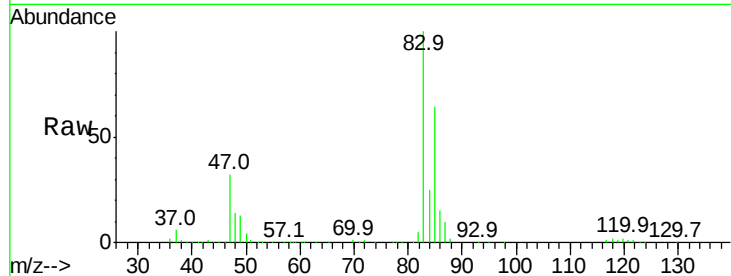




#25
Chloroform
Concen: 19.621 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV011206.D
Acq: 04 Jun 2019 14:43

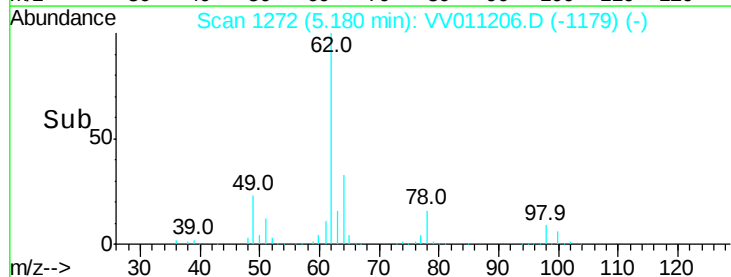
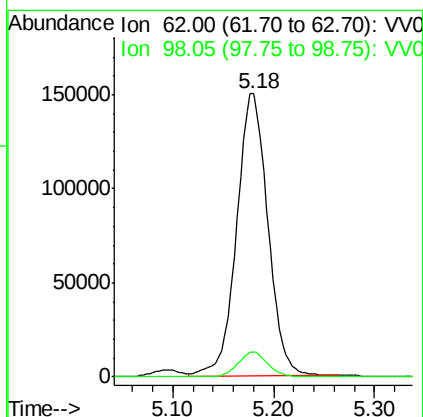
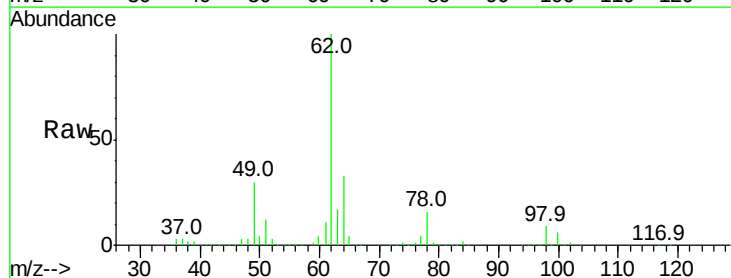
Instrument :
MSVOA_V
ClientSampleId :
VSTD02041

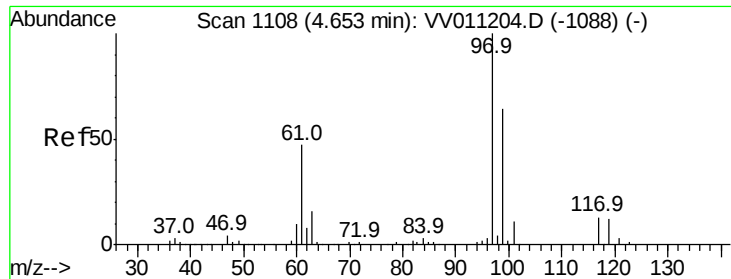
Tgt Ion: 83 Resp: 512842
Ion Ratio Lower Upper
83 100
85 63.9 44.1 81.9



#27
1,2-Dichloroethane
Concen: 21.567 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VV011206.D
Acq: 04 Jun 2019 14:43

Tgt Ion: 62 Resp: 322853
Ion Ratio Lower Upper
62 100
98 9.0 6.9 10.3

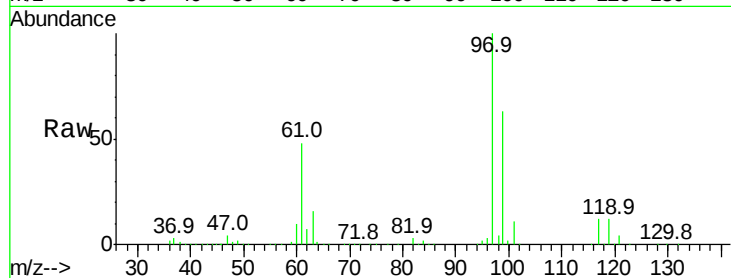




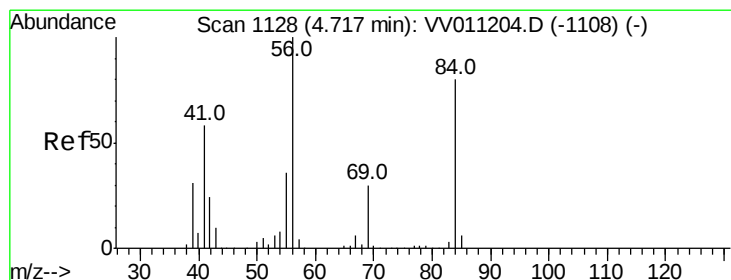
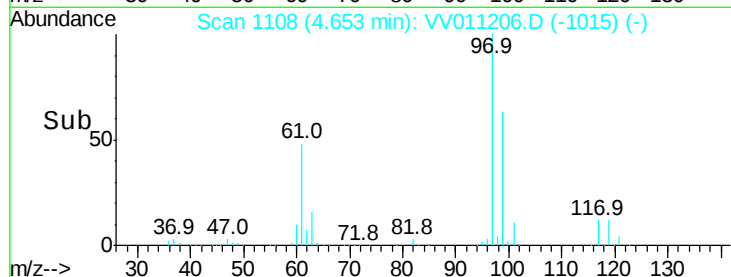
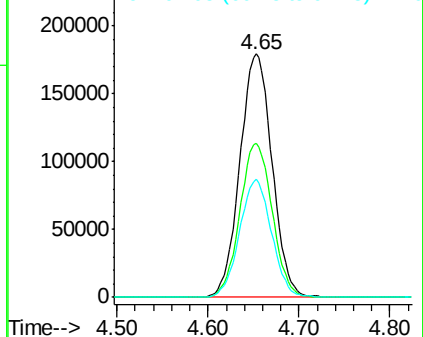
#29
 1,1,1-Trichloroethane
 Concen: 20.741 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. -0.00 min
 Lab File: VV011206.D
 Acq: 04 Jun 2019 14:43

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02041

Tgt Ion: 97 Resp: 441213
 Ion Ratio Lower Upper
 97 100
 99 63.5 50.8 76.2
 61 48.5 38.9 58.3

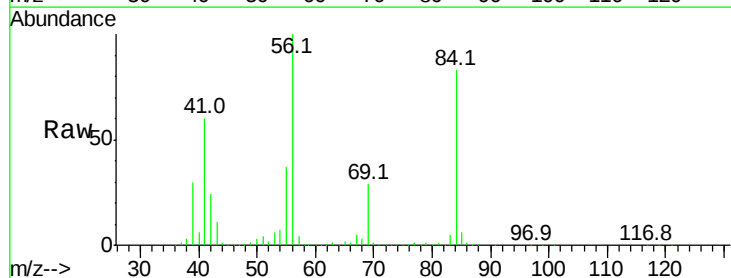


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

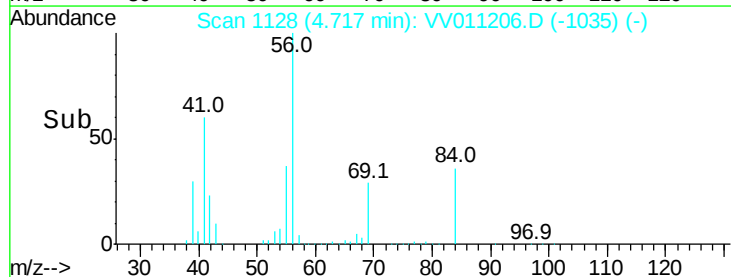
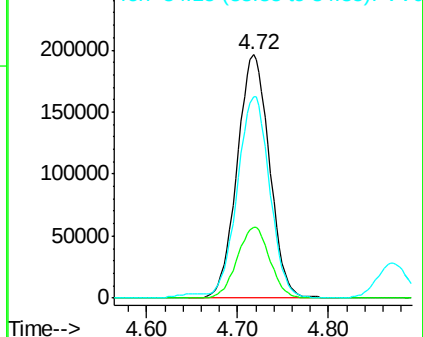


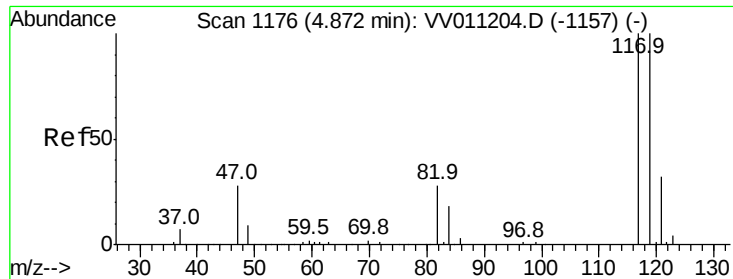
#30
 Cyclohexane
 Concen: 24.183 ug/L
 RT: 4.72 min Scan# 1128
 Delta R.T. -0.00 min
 Lab File: VV011206.D
 Acq: 04 Jun 2019 14:43

Tgt Ion: 56 Resp: 484141
 Ion Ratio Lower Upper
 56 100
 69 29.4 24.1 36.1
 84 82.9 66.4 99.6



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



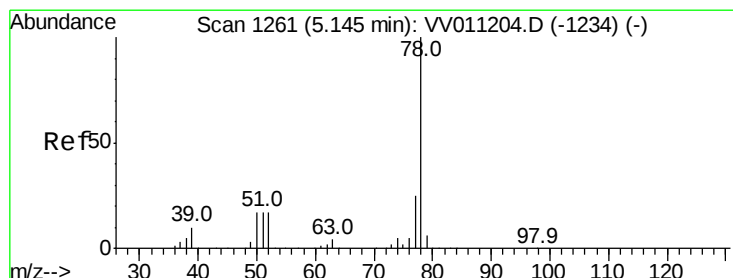
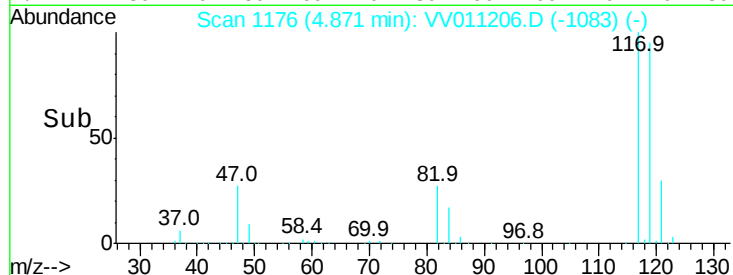
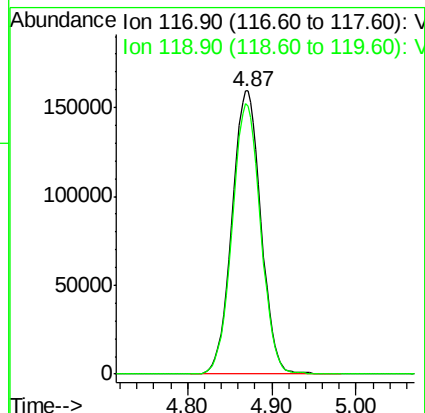
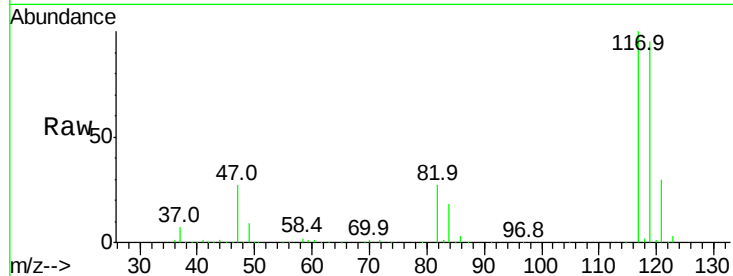


#31

Carbon tetrachloride
Concen: 19.927 ug/L
RT: 4.87 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VV011206.D
Acq: 04 Jun 2019 14:43

Instrument :
MSVOA_V
ClientSampleId :
VSTD02041

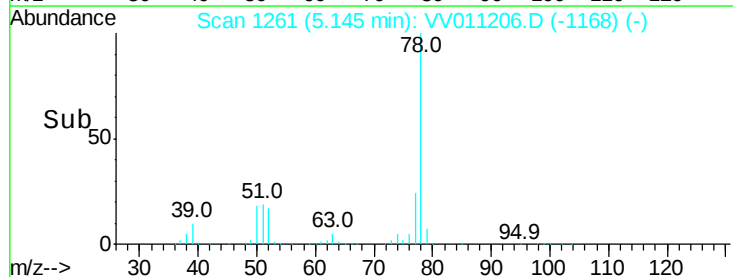
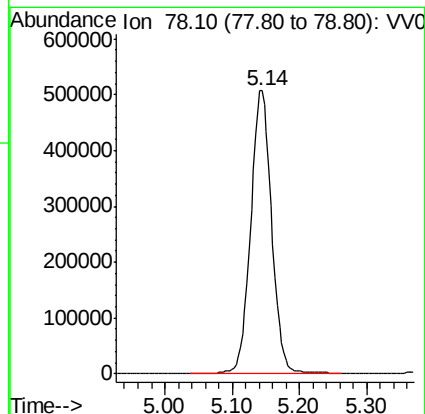
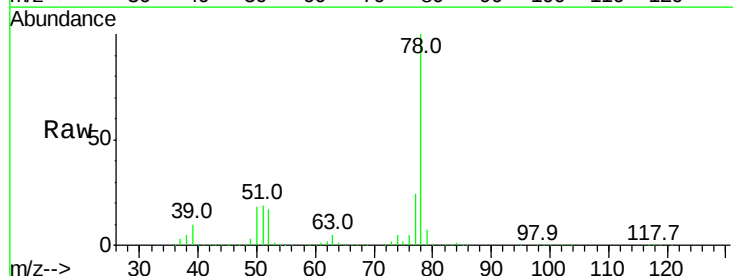
Tgt Ion:117 Resp: 379311
Ion Ratio Lower Upper
117 100
119 94.2 77.9 116.9

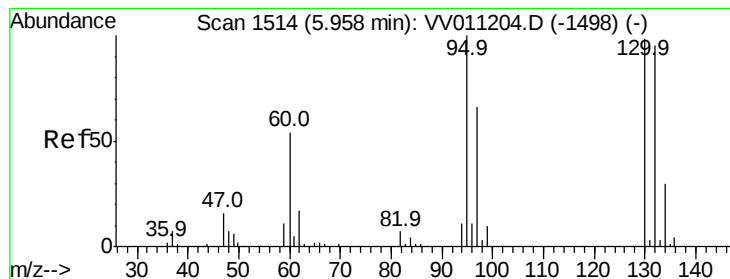


#33

Benzene
Concen: 21.593 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. -0.00 min
Lab File: VV011206.D
Acq: 04 Jun 2019 14:43

Tgt Ion: 78 Resp: 1102080





#34

Trichloroethene

Concen: 19.951 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV011206.D

Acq: 04 Jun 2019 14:43

Instrument :

MSVOA_V

ClientSampled :

VSTD02041

Tgt Ion: 95 Resp: 286733

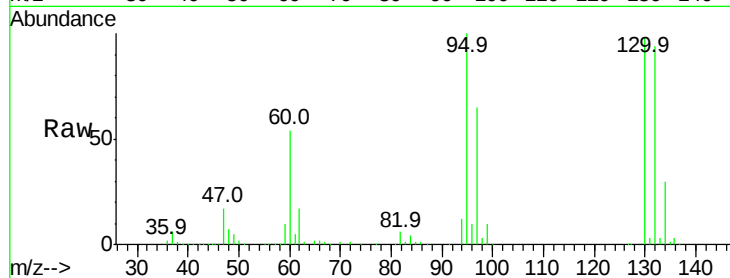
Ion Ratio Lower Upper

95 100

97 64.8 45.8 85.2

132 93.5 66.4 123.2

130 98.2 68.3 126.8

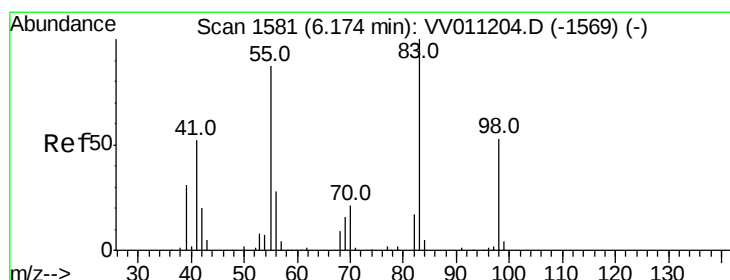
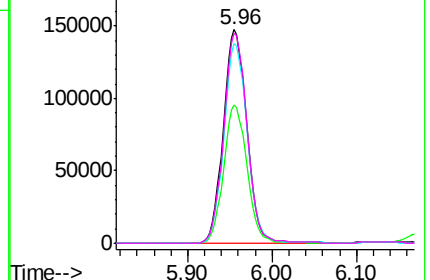
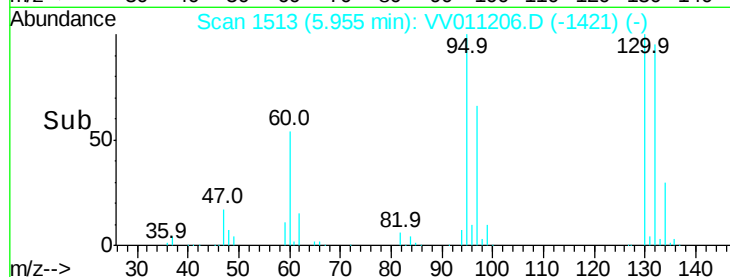


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 22.468 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV011206.D

Acq: 04 Jun 2019 14:43

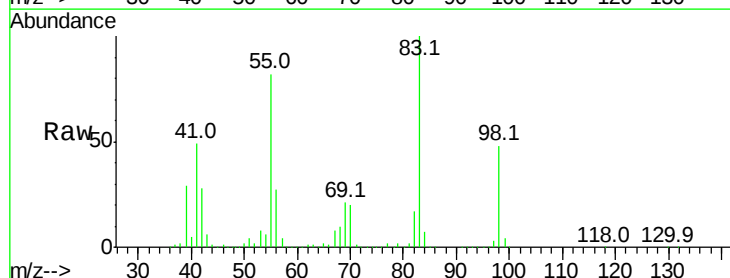
Tgt Ion: 83 Resp: 467777

Ion Ratio Lower Upper

83 100

55 82.4 67.0 100.6

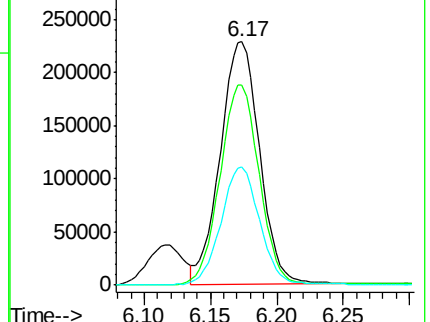
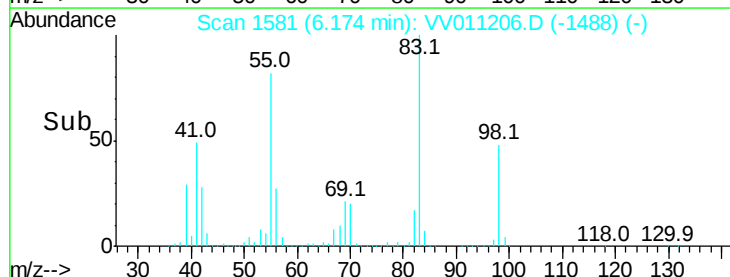
98 47.9 40.0 60.0

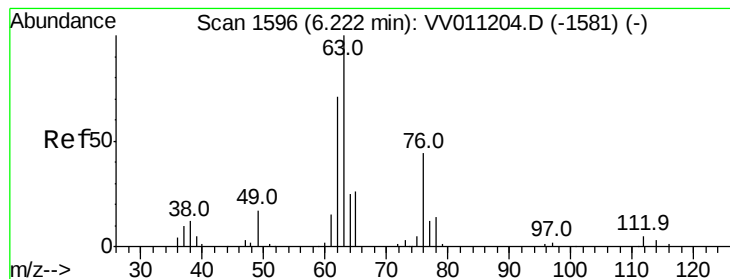


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 22.497 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. -0.00 min

Lab File: VV011206.D

Acq: 04 Jun 2019 14:43

Instrument :

MSVOA_V

ClientSampleId :

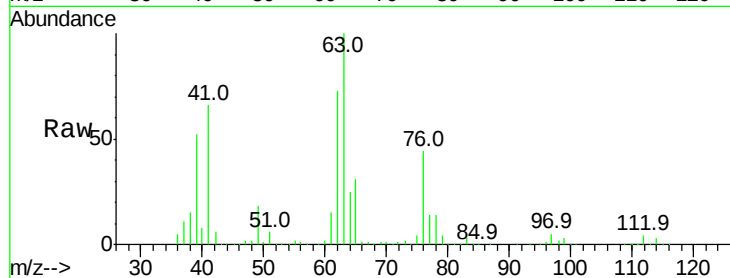
VSTD02041

Tgt Ion: 63 Resp: 280600

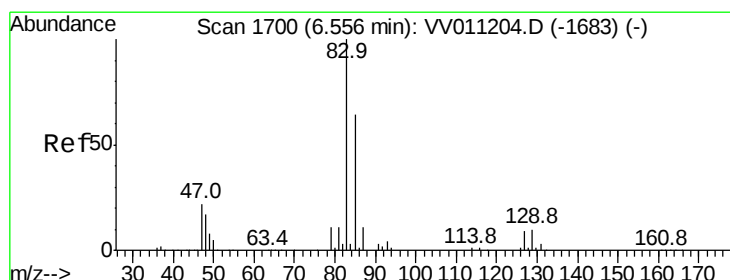
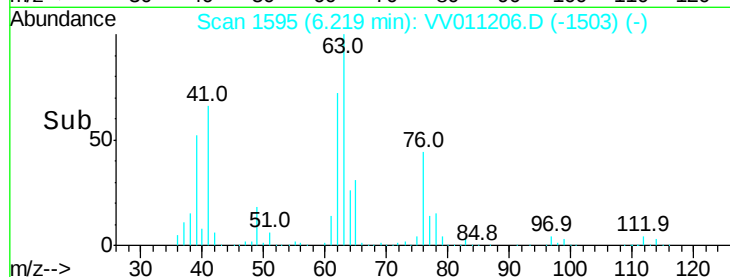
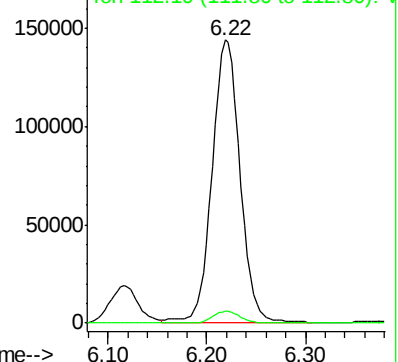
Ion Ratio Lower Upper

63 100

112 4.2 3.6 5.4



Abundance Ion 63.10 (62.80 to 63.80): VV011204.D (-1581) (-)



#38

Bromodichloromethane

Concen: 22.527 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VV011206.D

Acq: 04 Jun 2019 14:43

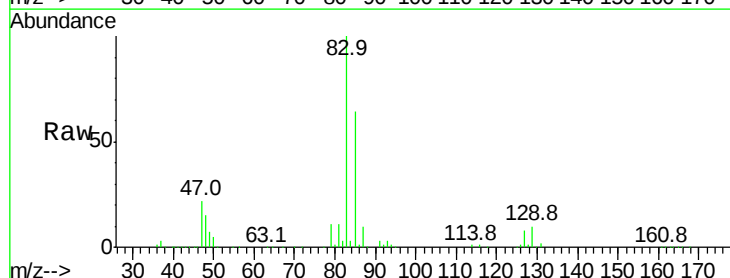
Tgt Ion: 83 Resp: 358260

Ion Ratio Lower Upper

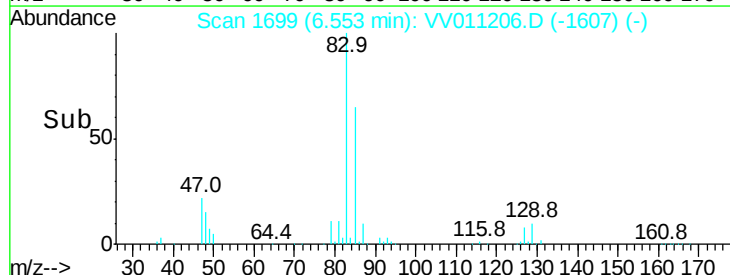
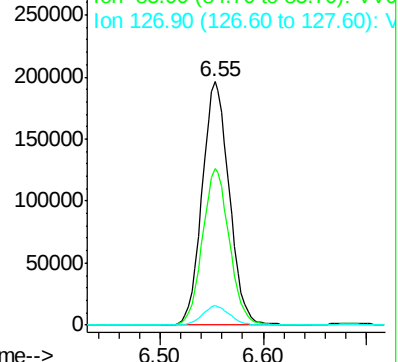
83 100

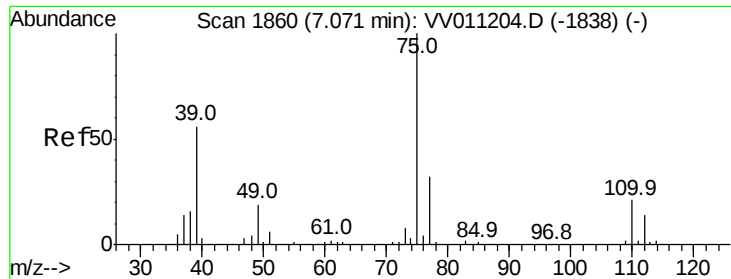
85 64.2 44.5 82.7

127 7.9 7.0 10.4



Abundance Ion 82.95 (82.65 to 83.65): VV011204.D (-1683) (-)

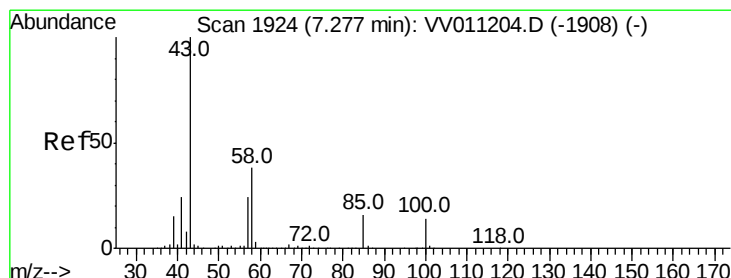
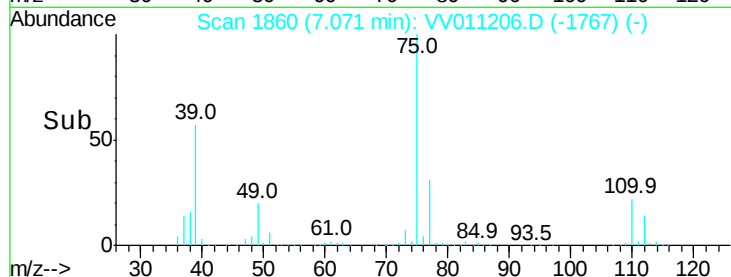
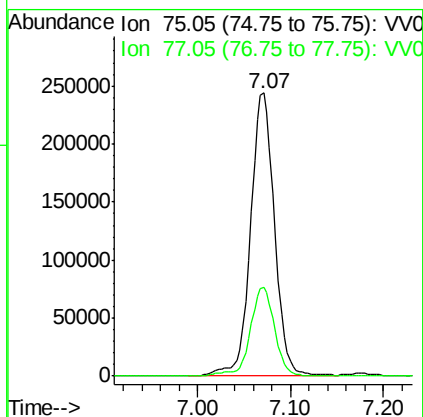
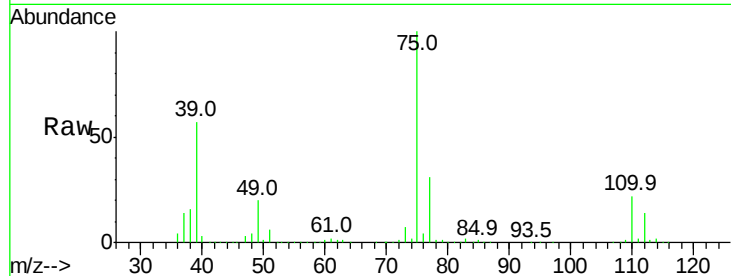




#39
 cis-1,3-Dichloropropene
 Concen: 25.872 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VV011206.D
 Acq: 04 Jun 2019 14:43

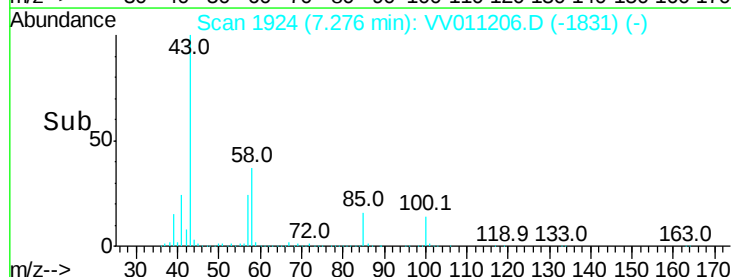
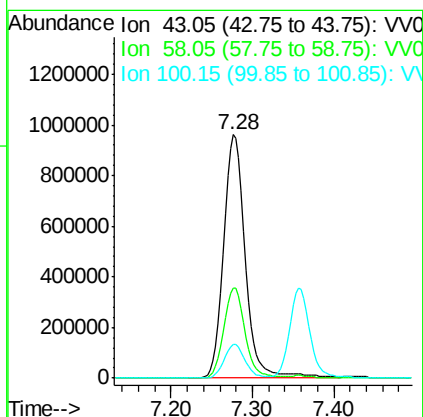
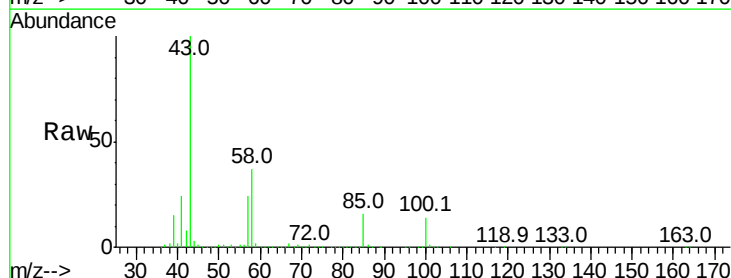
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD02041

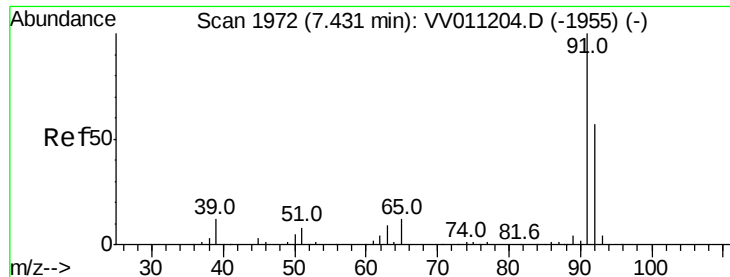
Tgt Ion: 75 Resp: 437364
 Ion Ratio Lower Upper
 75 100
 77 31.3 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 265.713 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. -0.00 min
 Lab File: VV011206.D
 Acq: 04 Jun 2019 14:43

Tgt Ion: 43 Resp: 1819424
 Ion Ratio Lower Upper
 43 100
 58 36.4 29.3 43.9
 100 13.3 10.6 16.0





#42

Toluene

Concen: 20.599 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV011206.D

Acq: 04 Jun 2019 14:43

Instrument :

MSVOA_V

ClientSampleId :

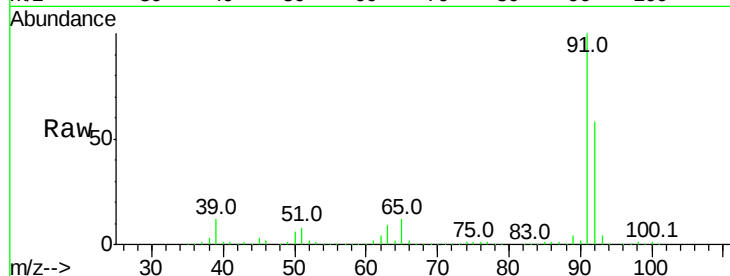
VSTD02041

Tgt Ion: 91 Resp: 1176182

Ion Ratio Lower Upper

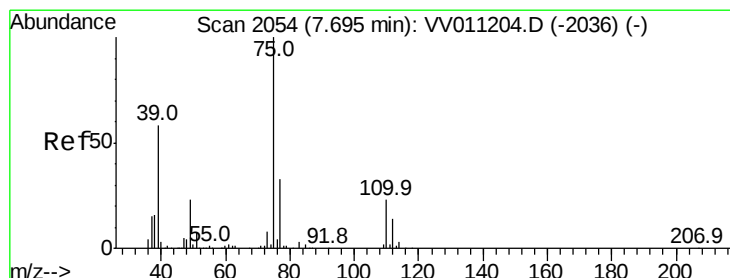
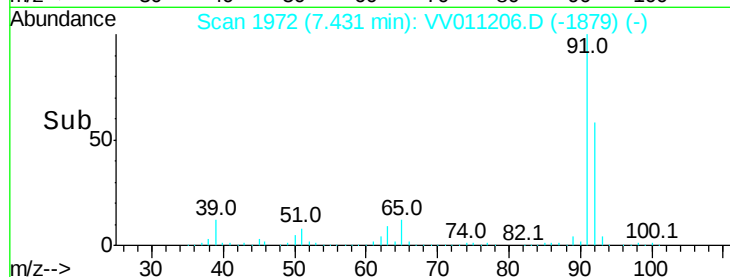
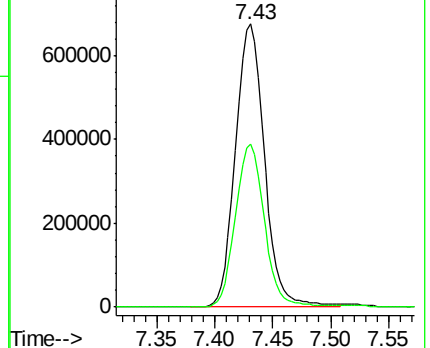
91 100

92 57.6 39.9 74.1



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: 25.266 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV011206.D

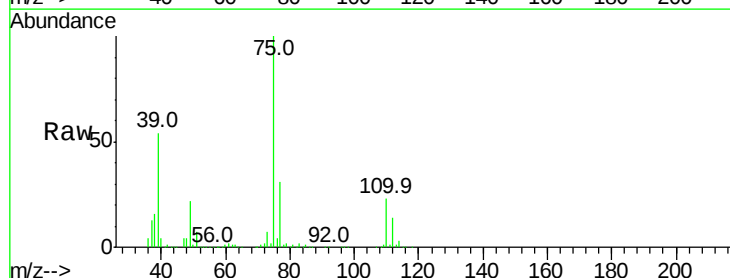
Acq: 04 Jun 2019 14:43

Tgt Ion: 75 Resp: 333147

Ion Ratio Lower Upper

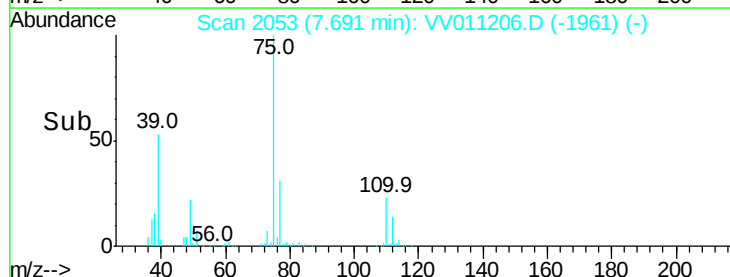
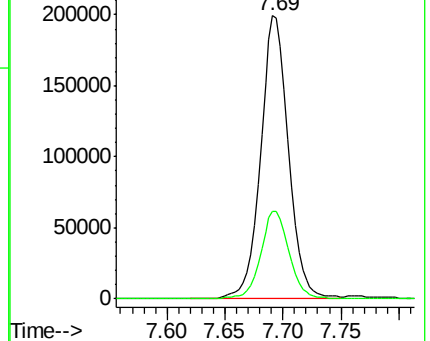
75 100

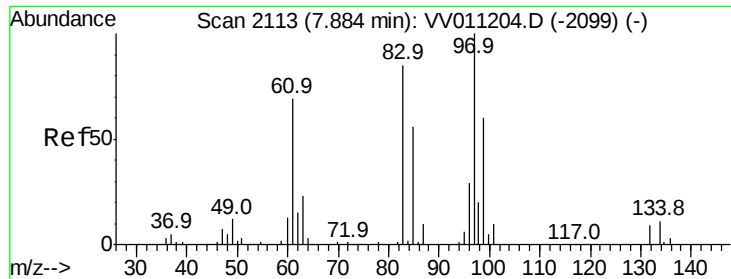
77 31.1 23.1 42.9



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

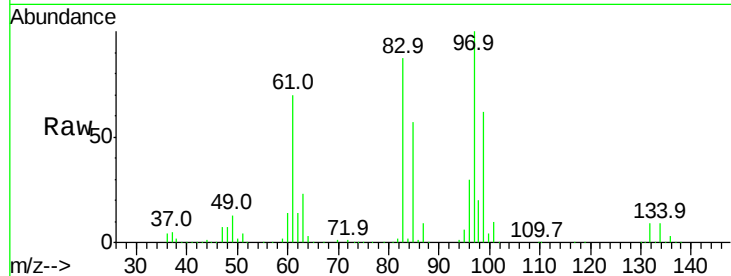




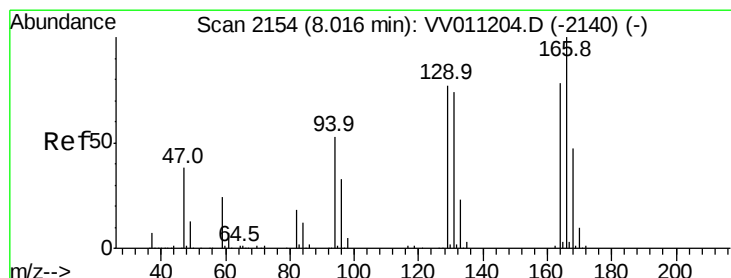
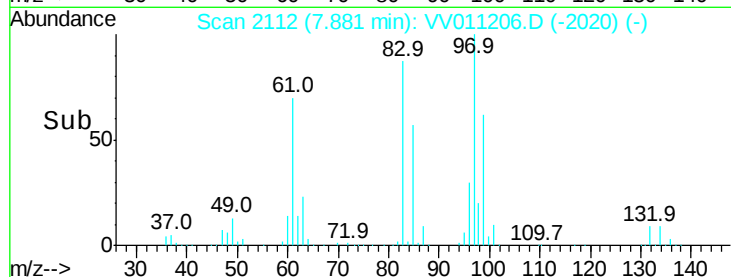
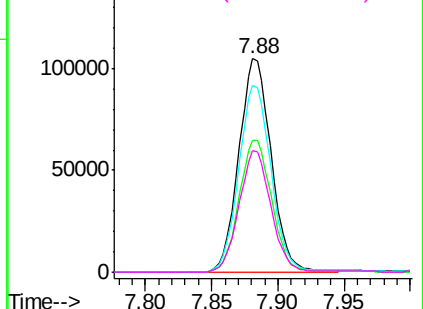
#45
 1,1,2-Trichloroethane
 Concen: 20.131 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VV011206.D
 Acq: 04 Jun 2019 14:43

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02041

Tgt Ion: 97 Resp: 178400
 Ion Ratio Lower Upper
 97 100
 99 61.7 42.1 78.3
 83 87.5 59.4 110.2
 85 56.8 39.7 73.7

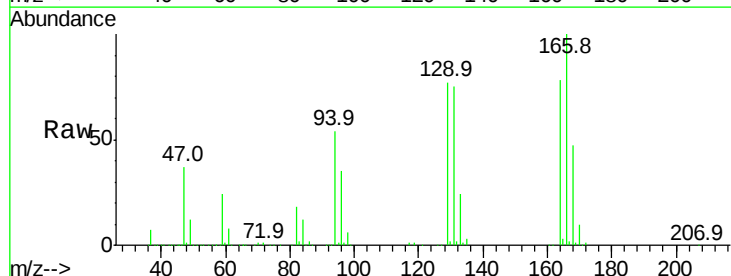


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

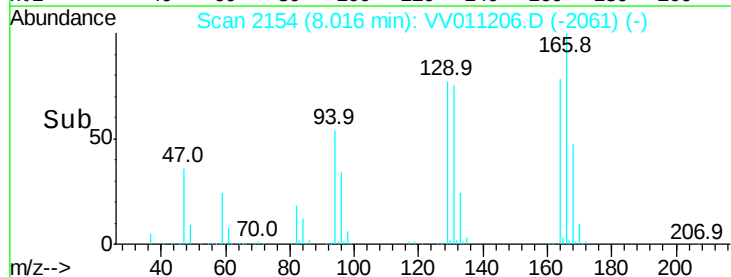
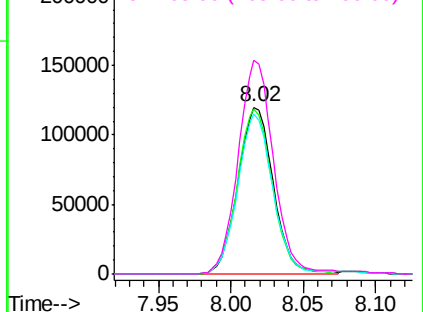


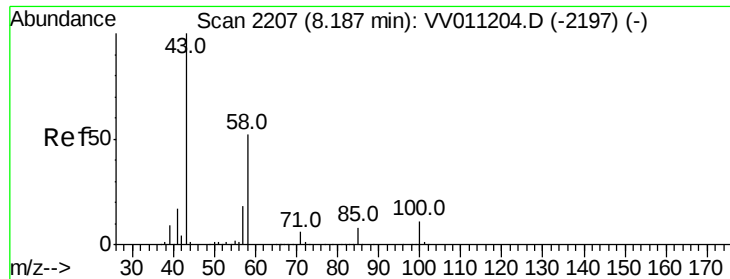
#47
 Tetrachloroethene
 Concen: 18.004 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV011206.D
 Acq: 04 Jun 2019 14:43

Tgt Ion: 164 Resp: 204229
 Ion Ratio Lower Upper
 164 100
 129 98.8 69.9 129.9
 131 95.7 66.8 124.2
 166 127.9 90.2 167.6



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



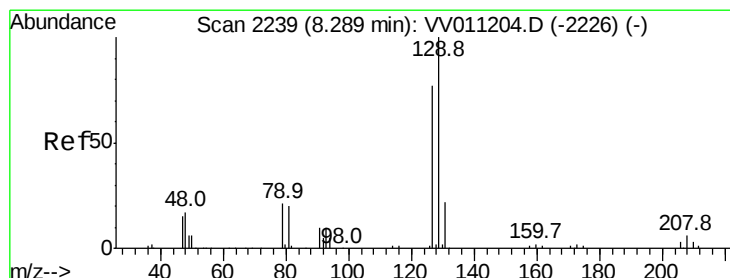
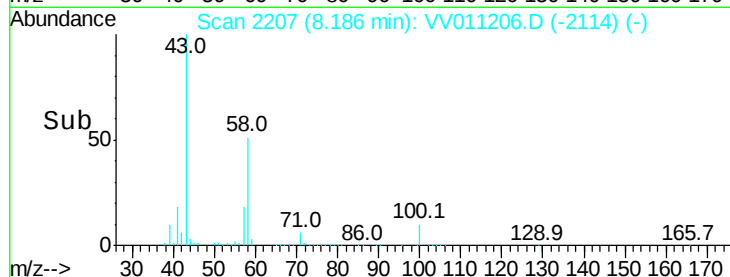
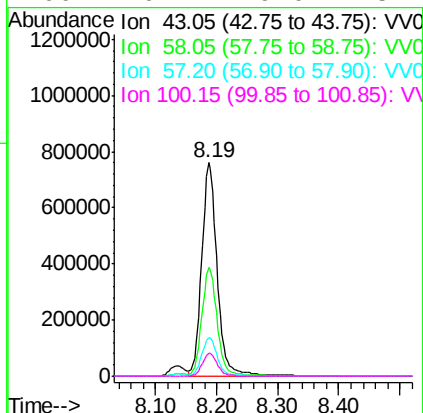
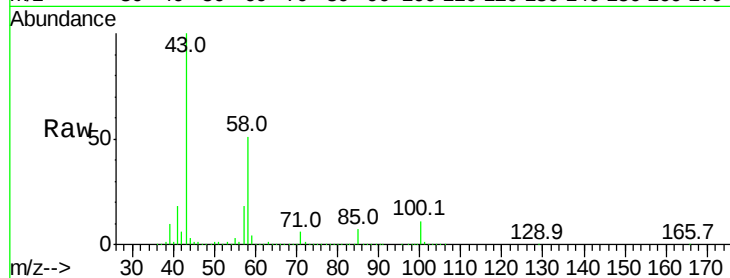


#48
2-Hexanone
Concen: 271.706 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. -0.00 min
Lab File: VV011206.D
Acq: 04 Jun 2019 14:43

Instrument :
MSVOA_V
ClientSampleId :
VSTD02041

Tgt Ion: 43 Resp: 1334514

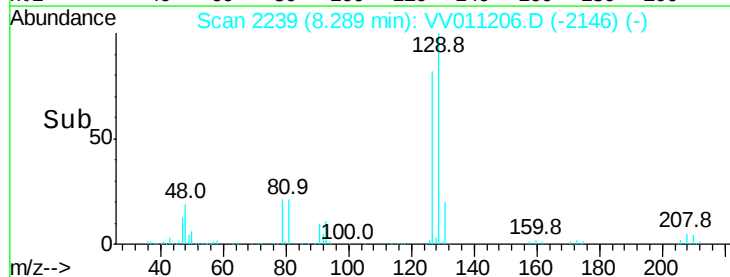
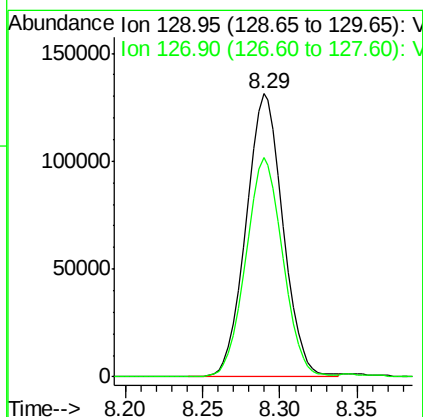
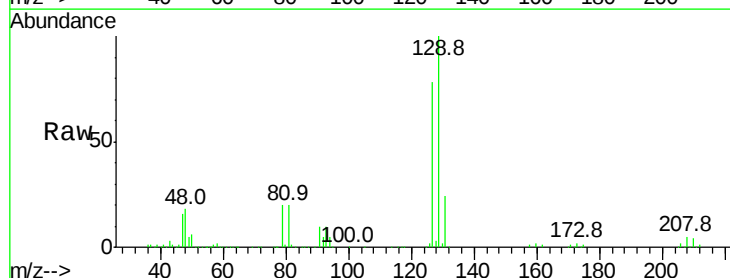
Ion	Ratio	Lower	Upper
43	100		
58	50.9	41.4	62.0
57	18.2	15.0	22.4
100	10.7	9.0	13.4

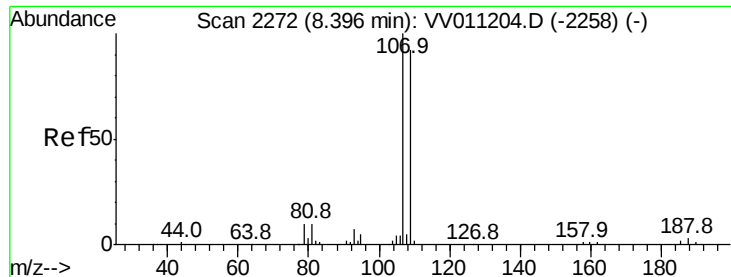


#49
Dibromochloromethane
Concen: 21.160 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV011206.D
Acq: 04 Jun 2019 14:43

Tgt Ion: 129 Resp: 218359

Ion	Ratio	Lower	Upper
129	100		
127	77.6	53.7	99.7

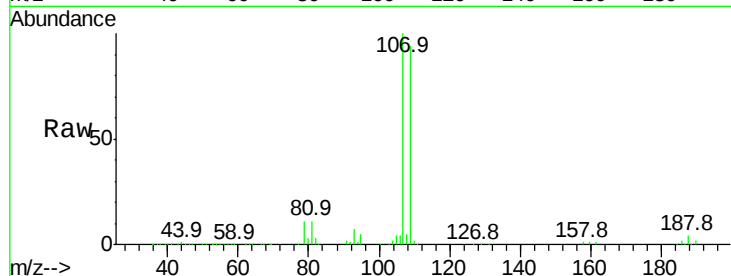




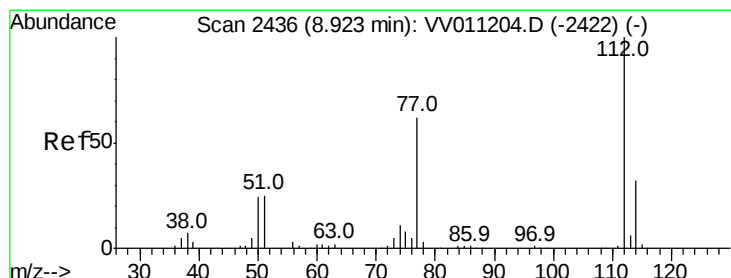
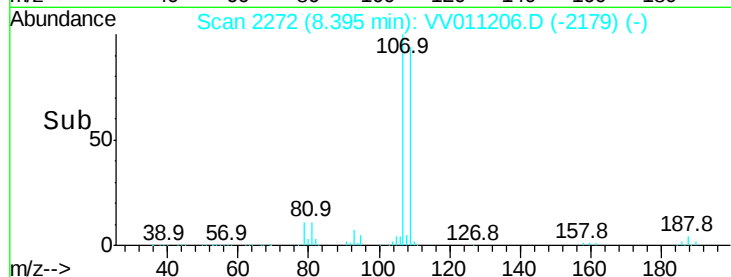
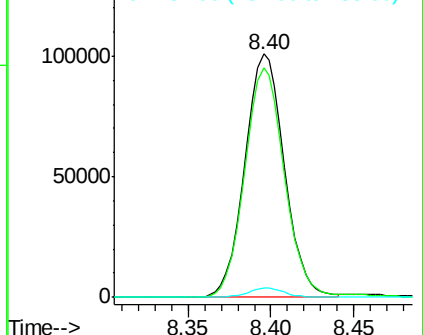
#50
1,2-Dibromoethane
Concen: 21.199 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VV011206.D
Acq: 04 Jun 2019 14:43

Instrument :
MSVOA_V
ClientSampleId :
VSTD02041

Tgt Ion:107 Resp: 167868
Ion Ratio Lower Upper
107 100
109 94.3 64.5 119.9
188 3.7 2.7 4.1

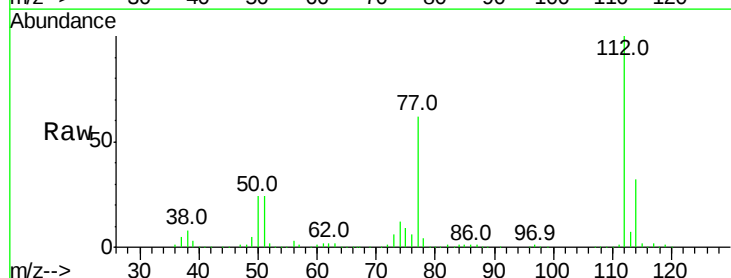


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

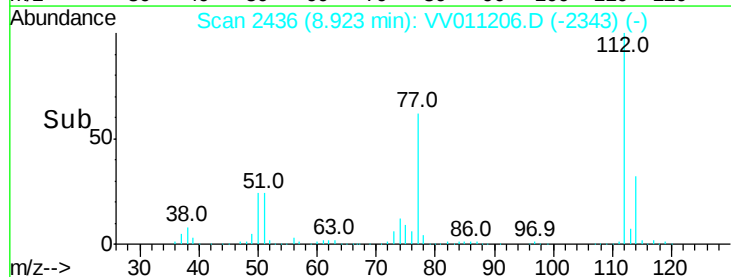
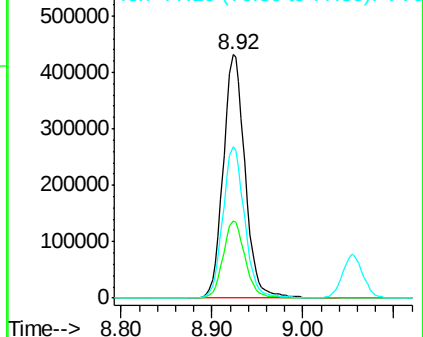


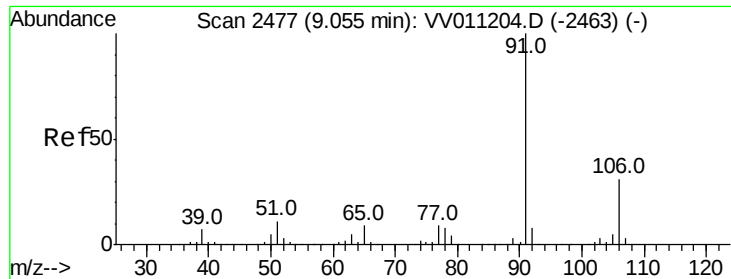
#51
Chlorobenzene
Concen: 19.406 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. -0.00 min
Lab File: VV011206.D
Acq: 04 Jun 2019 14:43

Tgt Ion:112 Resp: 720487
Ion Ratio Lower Upper
112 100
114 31.6 22.6 42.0
77 62.5 50.1 75.1



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): V





#52

Ethylbenzene

Concen: 21.955 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV011206.D

Acq: 04 Jun 2019 14:43

Instrument :

MSVOA_V

ClientSampleId :

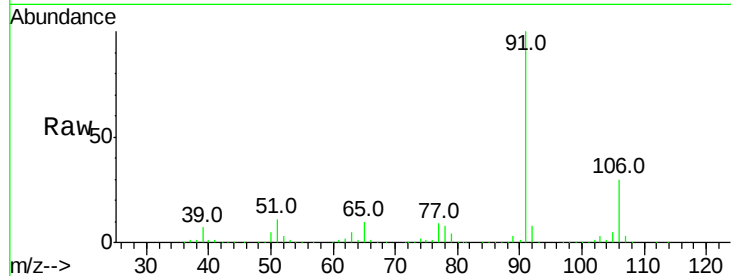
VSTD02041

Tgt Ion: 91 Resp: 1329572

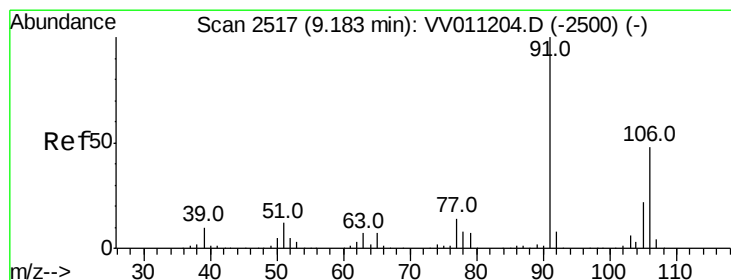
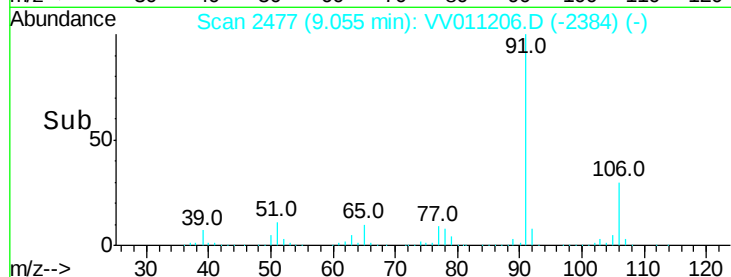
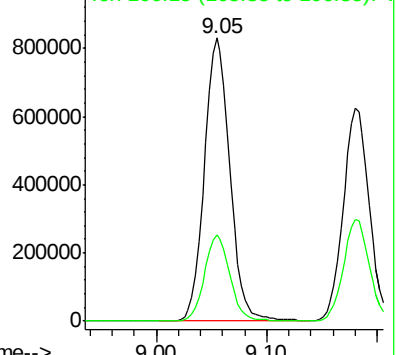
Ion Ratio Lower Upper

91 100

106 30.3 21.5 39.9



Abundance Ion 91.15 (90.85 to 91.85): VV011206.D (-2384) (-)



#53

m,p-xylene

Concen: 21.379 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV011206.D

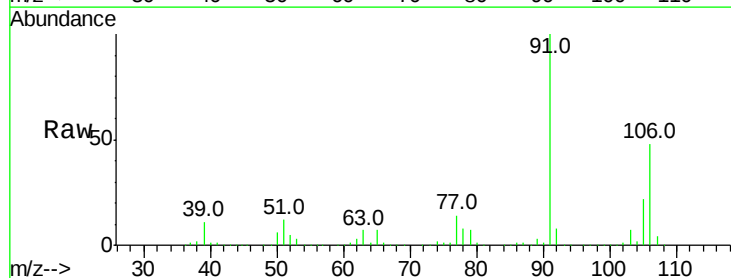
Acq: 04 Jun 2019 14:43

Tgt Ion: 106 Resp: 495885

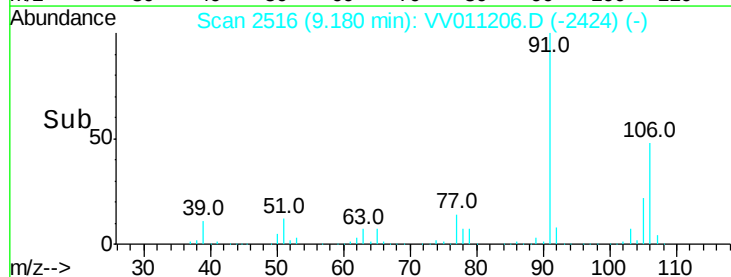
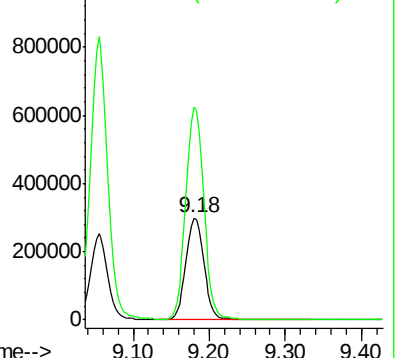
Ion Ratio Lower Upper

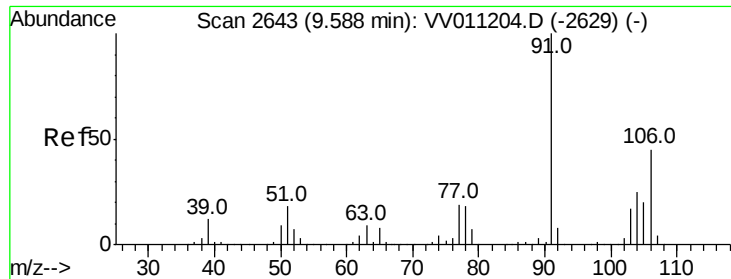
106 100

91 209.4 145.5 270.3



Abundance Ion 106.15 (105.85 to 106.85): VV011206.D (-2424) (-)





#54

o-xylene

Concen: 21.501 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. -0.00 min

Lab File: VV011206.D

Acq: 04 Jun 2019 14:43

Instrument :

MSVOA_V

ClientSampleId :

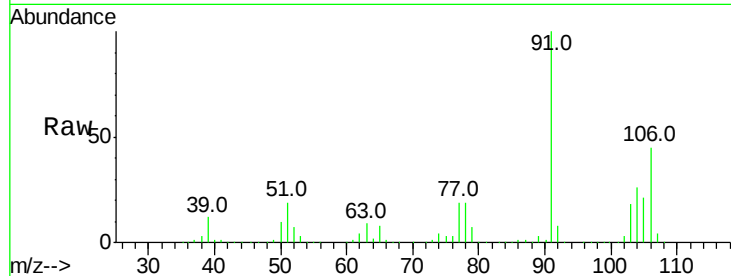
VSTD02041

Tgt Ion:106 Resp: 485548

Ion Ratio Lower Upper

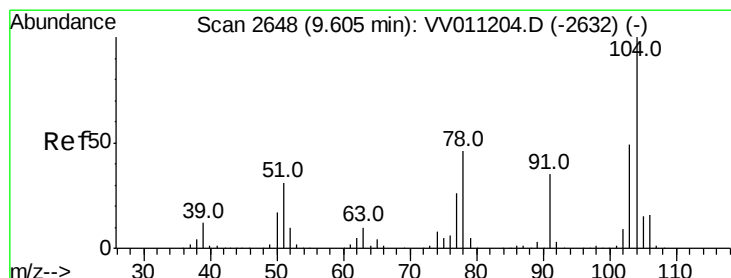
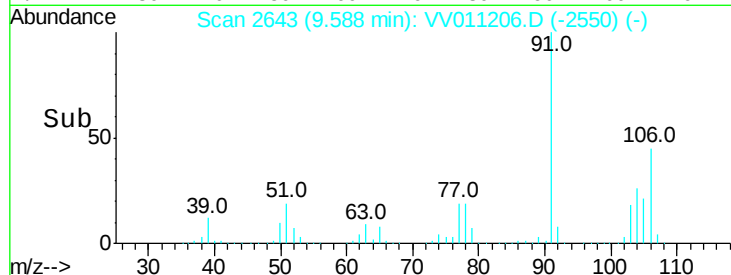
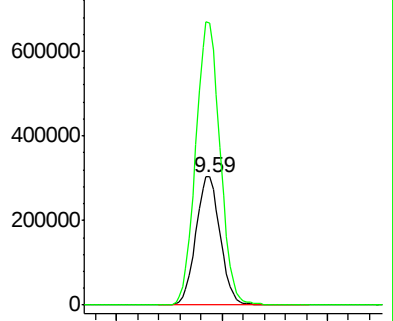
106 100

91 219.8 155.4 288.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 21.715 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. -0.00 min

Lab File: VV011206.D

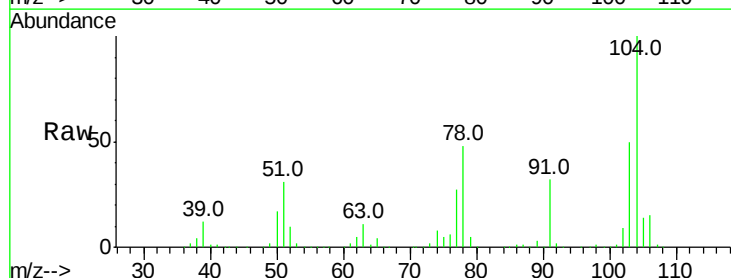
Acq: 04 Jun 2019 14:43

Tgt Ion:104 Resp: 813581

Ion Ratio Lower Upper

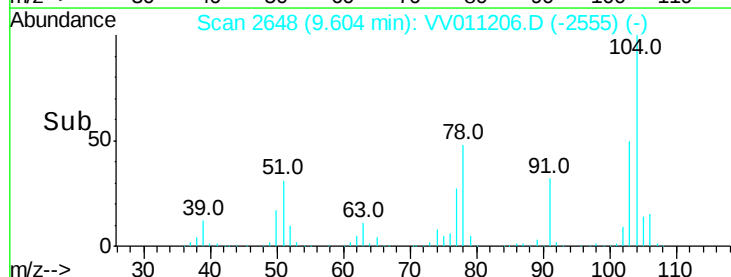
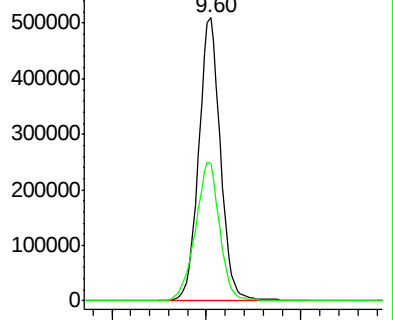
104 100

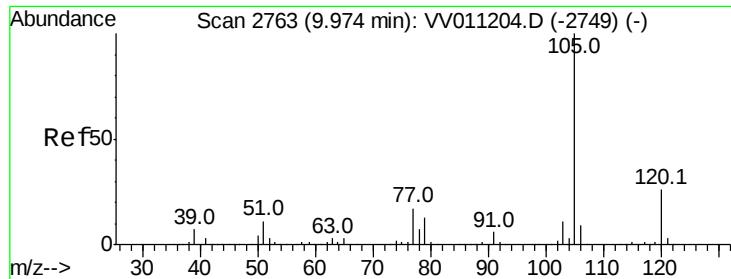
78 48.5 32.4 60.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 22.261 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV011206.D

Acq: 04 Jun 2019 14:43

Instrument :

MSVOA_V

ClientSampled :

VSTD02041

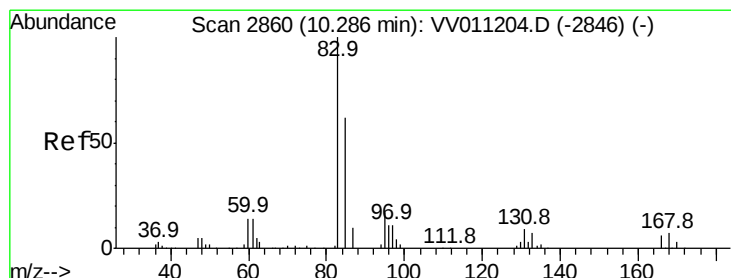
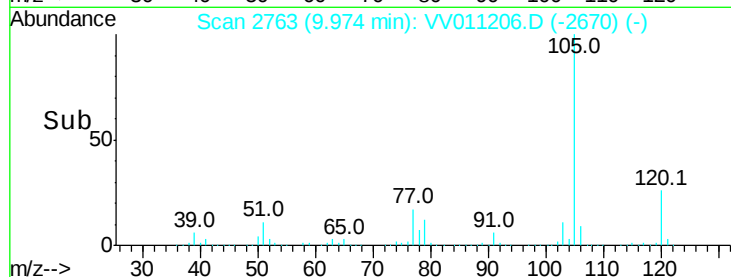
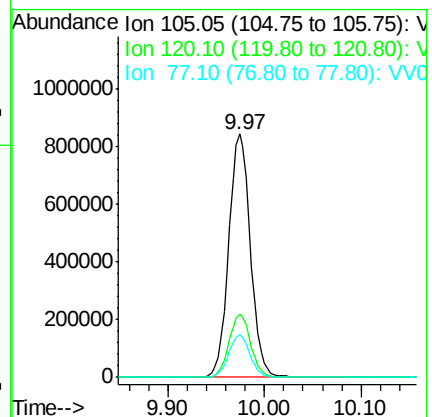
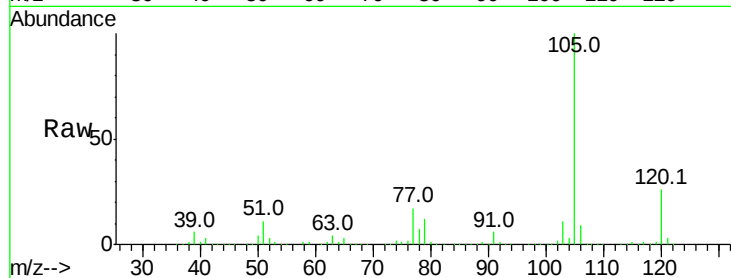
Tgt Ion:105 Resp: 1304649

Ion Ratio Lower Upper

105 100

120 25.9 20.9 31.3

77 17.2 13.8 20.6



#58

1,1,2,2-Tetrachloroethane

Concen: 21.677 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VV011206.D

Acq: 04 Jun 2019 14:43

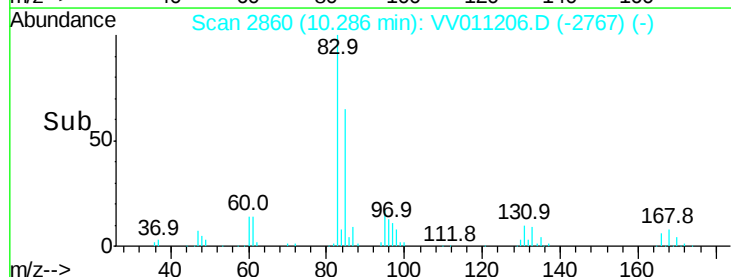
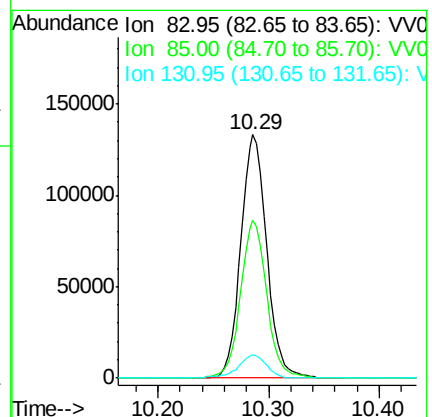
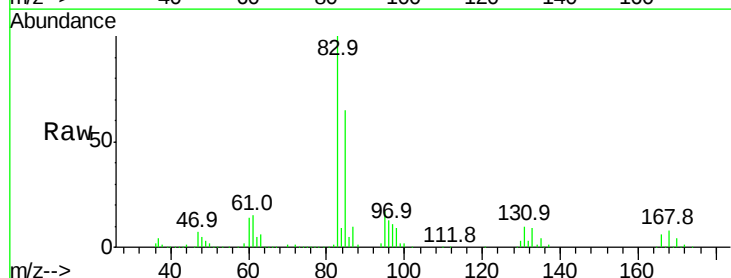
Tgt Ion: 83 Resp: 216976

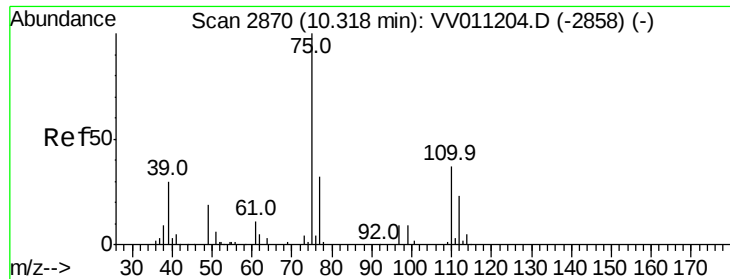
Ion Ratio Lower Upper

83 100

85 64.9 43.5 80.9

131 9.7 7.5 11.3





#59

1,2,3-Trichloropropane

Concen: 22.813 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. -0.00 min

Lab File: VV011206.D

Acq: 04 Jun 2019 14:43

Instrument :

MSVOA_V

ClientSampleId :

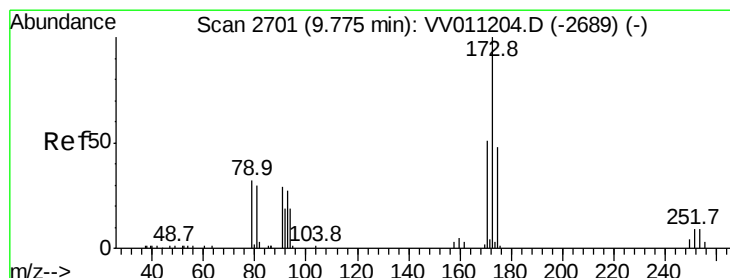
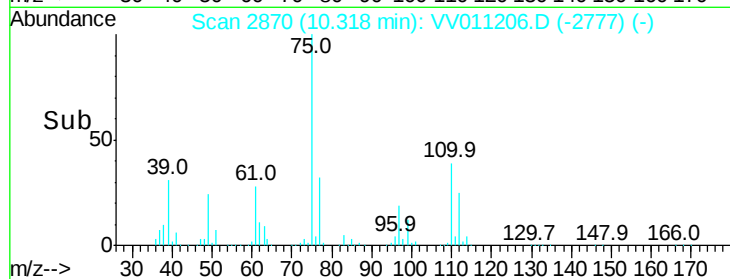
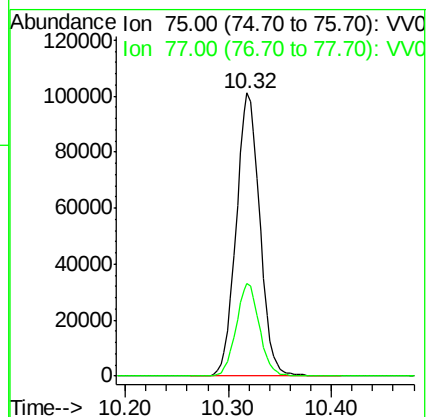
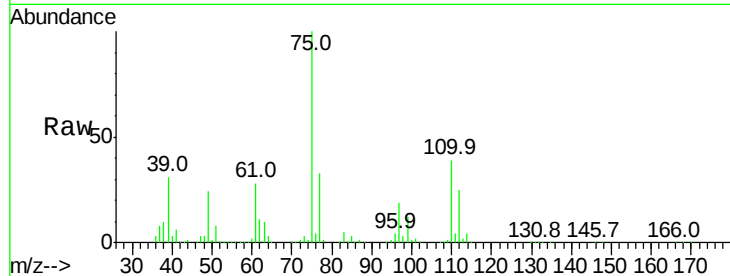
VSTD02041

Tgt Ion: 75 Resp: 161820

Ion Ratio Lower Upper

75 100

77 32.4 26.7 40.1



#61

Bromoform

Concen: 20.919 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VV011206.D

Acq: 04 Jun 2019 14:43

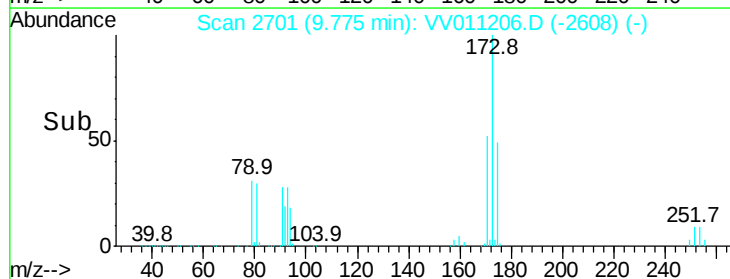
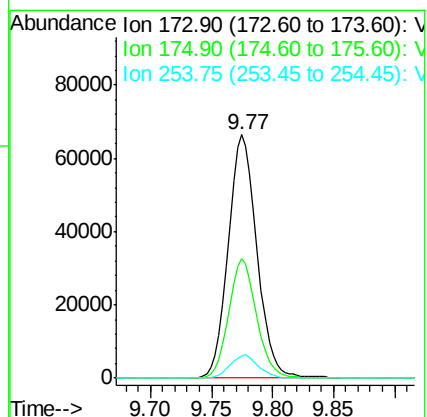
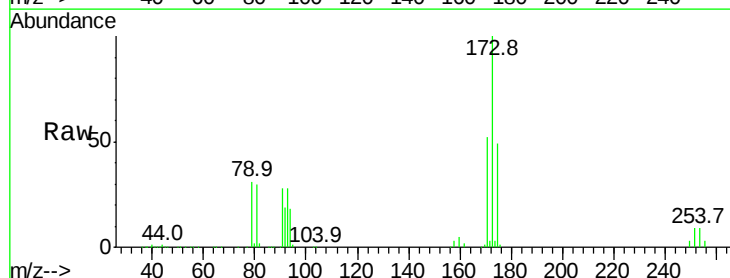
Tgt Ion: 173 Resp: 109180

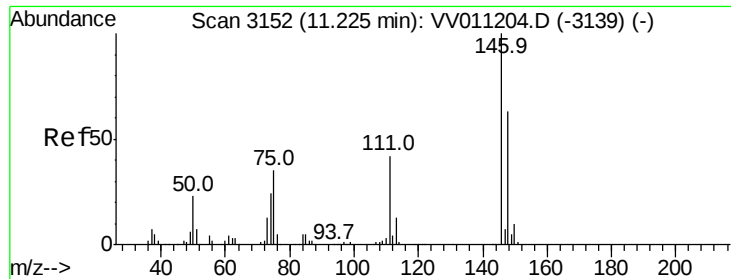
Ion Ratio Lower Upper

173 100

175 47.9 37.0 55.4

254 9.2 6.9 10.3

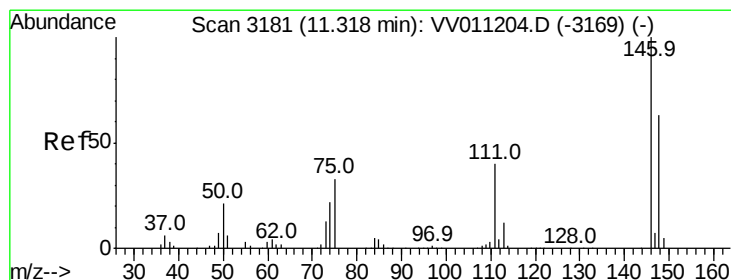
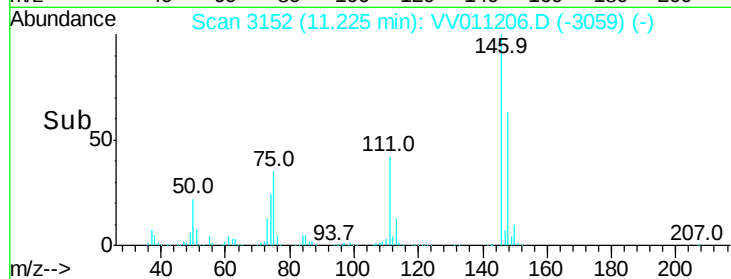
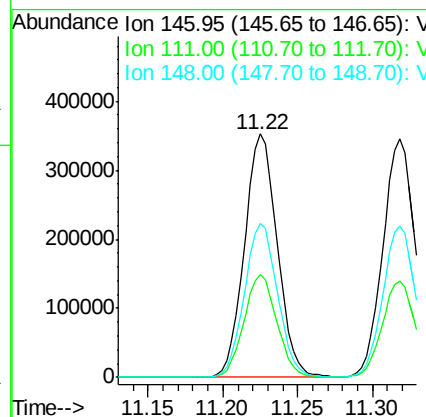
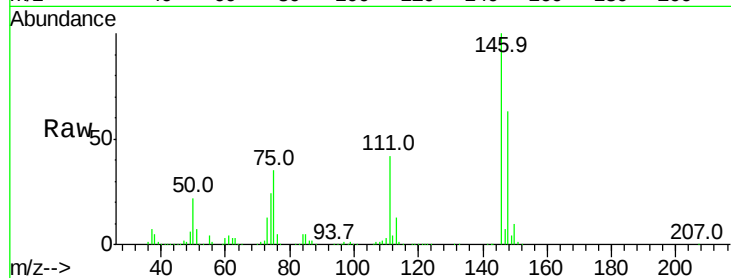




#62
 1,3-Dichlorobenzene
 Concen: 19.398 ug/L
 RT: 11.22 min Scan# 3152
 Delta R.T. -0.00 min
 Lab File: VV011206.D
 Acq: 04 Jun 2019 14:43

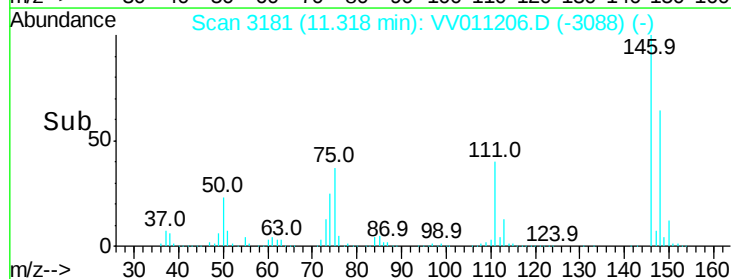
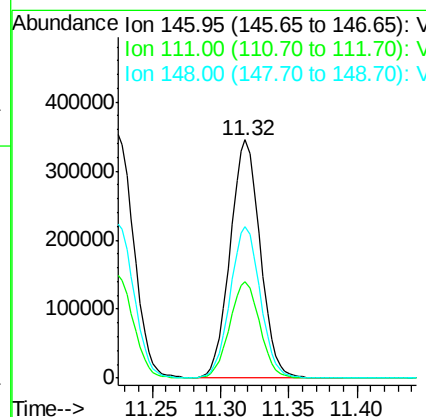
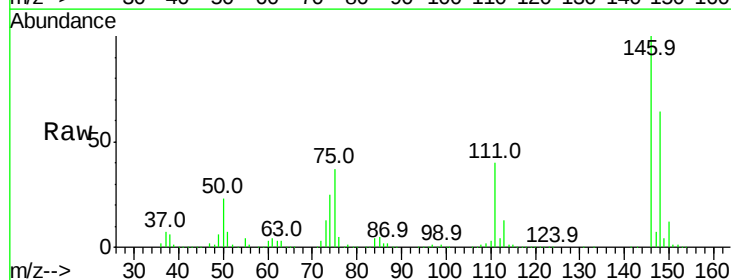
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02041

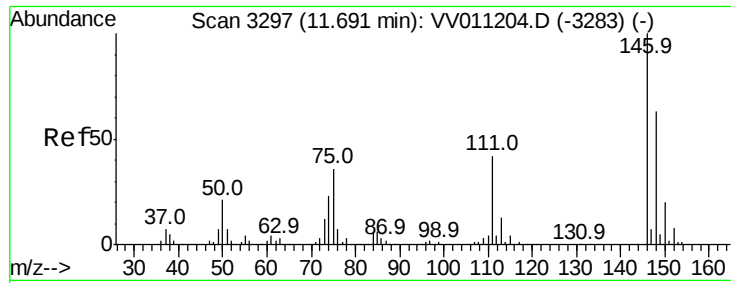
Tgt Ion:146 Resp: 538802
 Ion Ratio Lower Upper
 146 100
 111 42.2 29.0 53.9
 148 63.3 44.0 81.8



#63
 1,4-Dichlorobenzene
 Concen: 19.060 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. -0.00 min
 Lab File: VV011206.D
 Acq: 04 Jun 2019 14:43

Tgt Ion:146 Resp: 527553
 Ion Ratio Lower Upper
 146 100
 111 40.3 28.3 52.5
 148 63.8 44.6 82.8

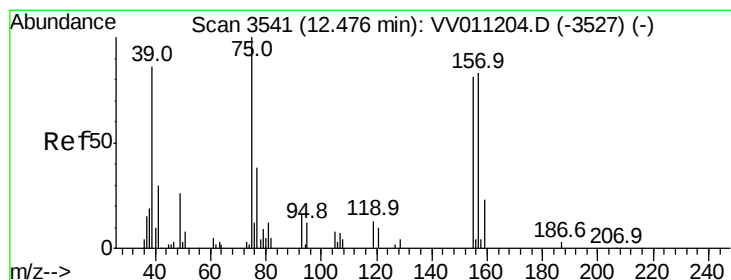
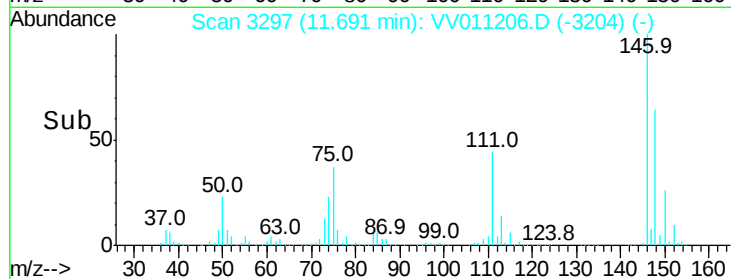
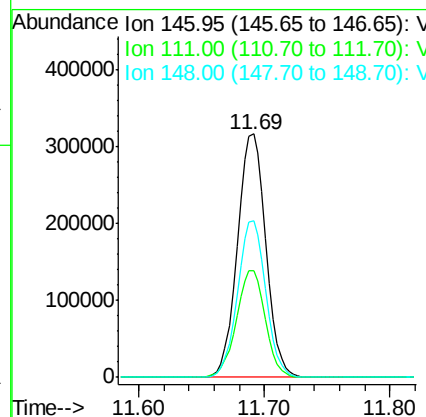
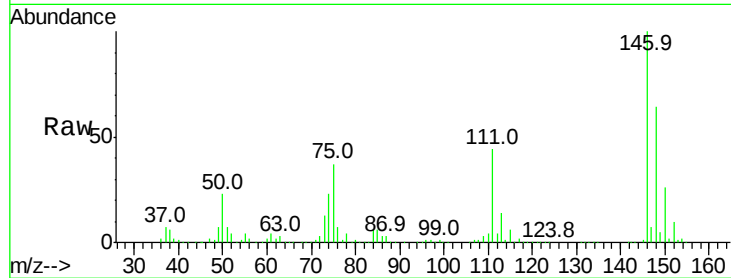




#65
 1,2-Dichlorobenzene
 Concen: 18.803 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VV011206.D
 Acq: 04 Jun 2019 14:43

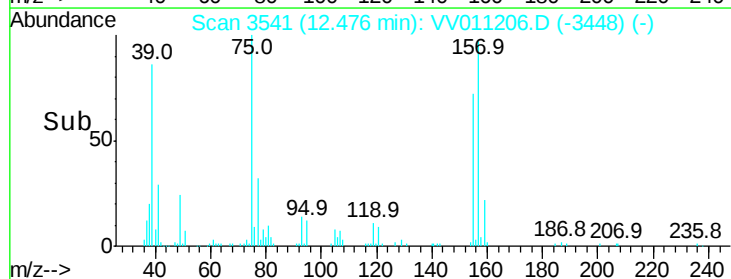
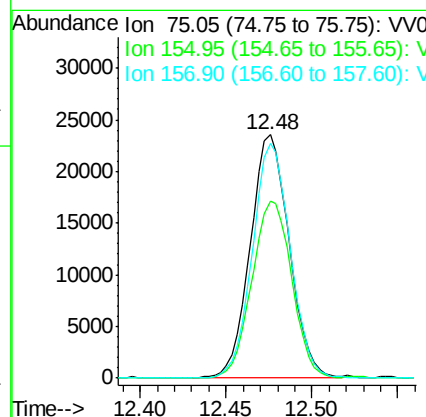
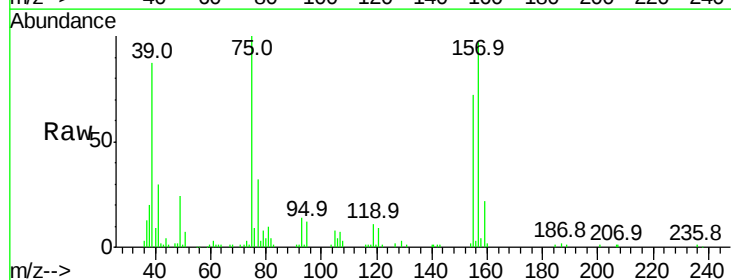
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02041

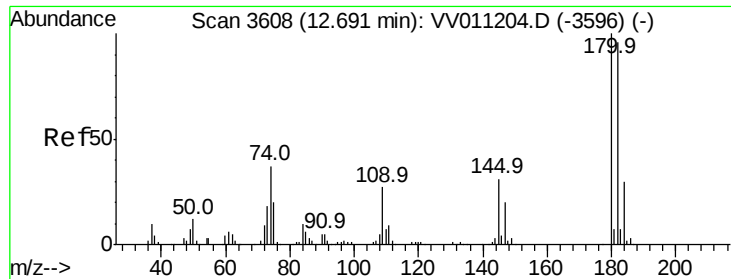
Tgt Ion:146 Resp: 496464
 Ion Ratio Lower Upper
 146 100
 111 44.0 33.9 50.9
 148 64.4 50.3 75.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 24.564 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. -0.00 min
 Lab File: VV011206.D
 Acq: 04 Jun 2019 14:43

Tgt Ion: 75 Resp: 37178
 Ion Ratio Lower Upper
 75 100
 155 72.5 64.4 96.6
 157 96.6 66.7 100.1

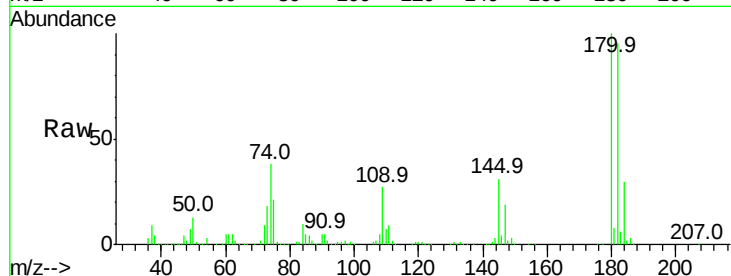




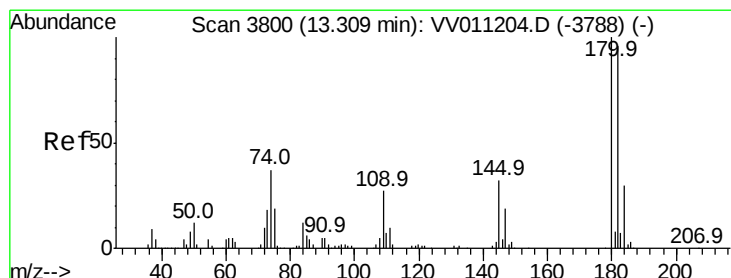
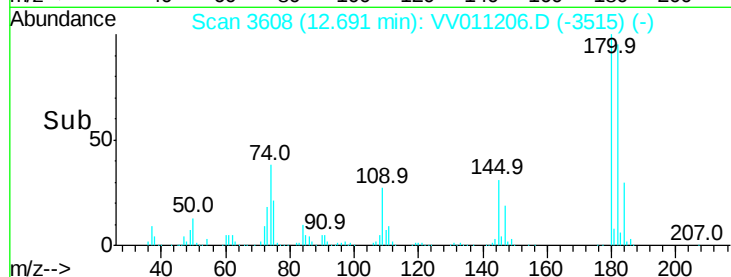
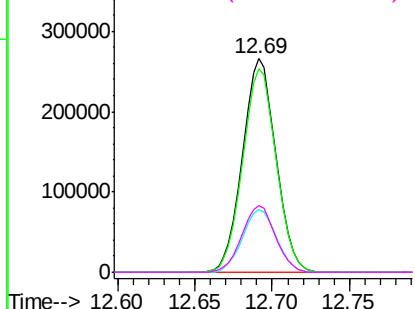
#67
 1,3,5-Trichlorobenzene
 Concen: 19.141 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. -0.00 min
 Lab File: VV011206.D
 Acq: 04 Jun 2019 14:43

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02041

Tgt Ion:180 Resp: 398875
 Ion Ratio Lower Upper
 180 100
 182 95.8 76.7 115.1
 184 30.1 23.8 35.8
 145 31.4 24.2 36.2

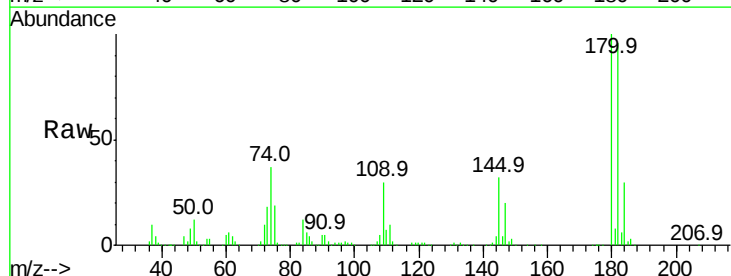


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

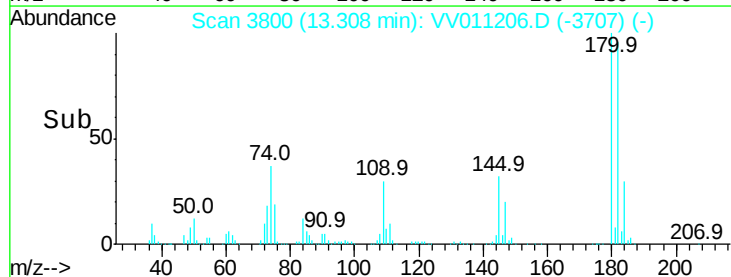
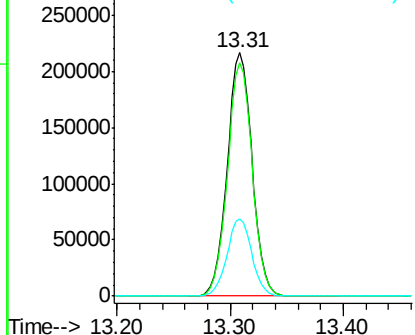


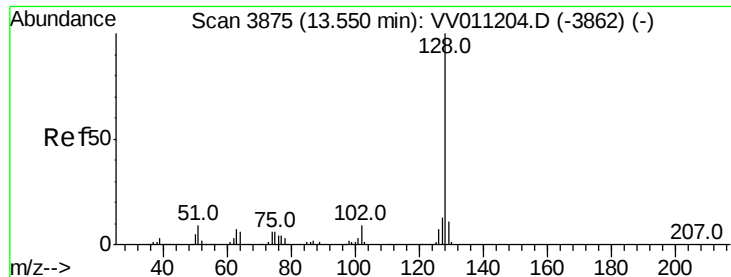
#68
 1,2,4-trichlorobenzene
 Concen: 21.118 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. -0.00 min
 Lab File: VV011206.D
 Acq: 04 Jun 2019 14:43

Tgt Ion:180 Resp: 330179
 Ion Ratio Lower Upper
 180 100
 182 95.5 78.8 118.2
 145 31.8 26.3 39.5



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: 25.136 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. -0.00 min

Lab File: VV011206.D

Acq: 04 Jun 2019 14:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD02041

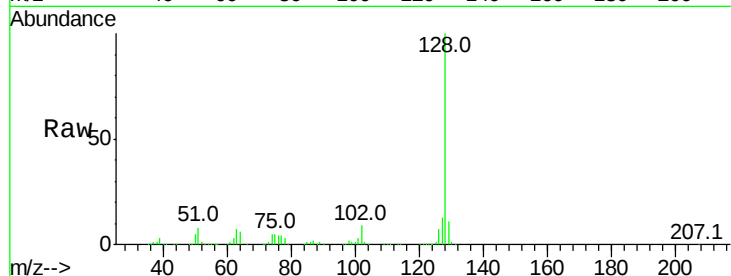
Tgt Ion:128 Resp: 601099

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.9	13.3
127	13.2	10.5	15.7

128 100

129 11.0 8.9 13.3

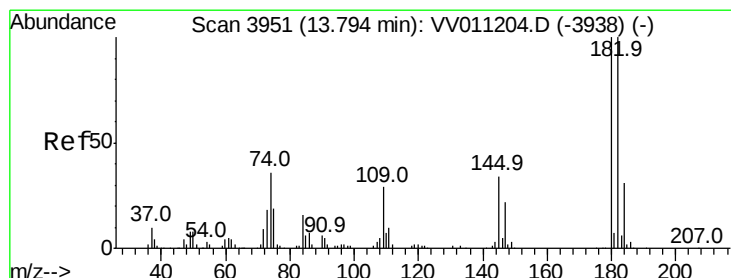
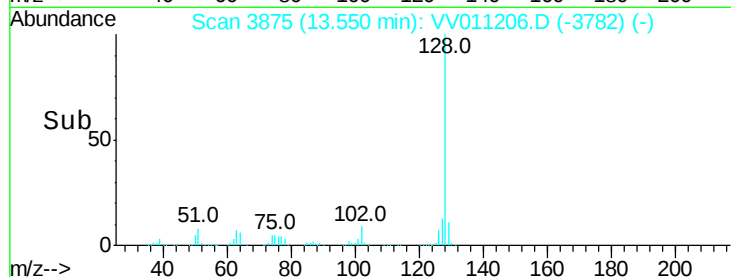
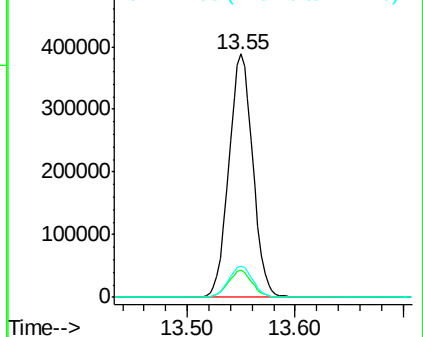
127 13.2 10.5 15.7



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: 21.207 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VV011206.D

Acq: 04 Jun 2019 14:43

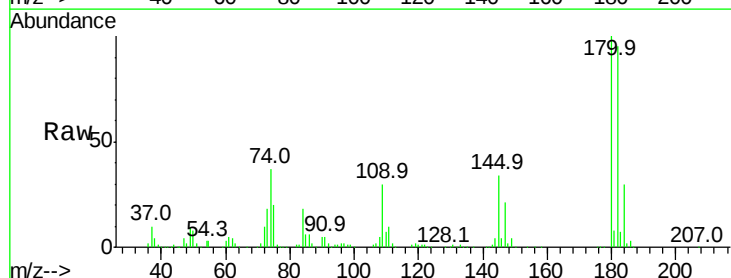
Tgt Ion:180 Resp: 295701

Ion	Ratio	Lower	Upper
180	100		
182	95.9	78.6	117.8
145	34.1	26.9	40.3

180 100

182 95.9 78.6 117.8

145 34.1 26.9 40.3



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

