

Data File : VV011866.D
Acq On : 12 Jul 2019 12:26
Operator : SY/MD
Sample : VSTD02033
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02033

Quant Time: Jul 13 03:41:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Jul 13 03:37:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	177134	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	176336	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	90217	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	276754	23.45	ug/L	0.00
7) Chloroethane-d5	1.58	69	214851	23.49	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	372304	16.15	ug/L	0.00
20) 2-Butanone-d5	3.95	46	585835	208.88	ug/L	0.00
24) Chloroform-d	4.40	84	480047	20.90	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	237533	20.10	ug/L	0.00
32) Benzene-d6	5.10	84	973560	21.45	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	293764	20.48	ug/L	0.00
41) Toluene-d8	7.36	98	974869	23.39	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	124626	24.78	ug/L	0.00
46) 2-Hexanone-d5	8.13	63	551274	246.81	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	214631	21.65	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	344404	21.87	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	343658	20.460	ug/L	99
3) Chloromethane	1.25	50	337189	20.018	ug/L	98
5) Vinyl chloride	1.32	62	330659	20.845	ug/L	99
6) Bromomethane	1.54	94	188949	22.230	ug/L	94
8) Chloroethane	1.60	64	184717	20.336	ug/L	97
9) Trichlorofluoromethane	1.77	101	432657	20.690	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	169413	14.481	ug/L	95
12) 1,1-Dichloroethene	2.14	96	155508	14.363	ug/L	85
13) Acetone	2.21	43	268012	133.947	ug/L	95
14) Carbon disulfide	2.32	76	438473	15.017	ug/L	99
15) Methyl Acetate	2.47	43	56431	9.999	ug/L	95
16) Methylene chloride	2.53	84	150447	11.813	ug/L	94
17) Methyl tert-butyl Ether	2.81	73	536886	19.619	ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	242436	20.009	ug/L	98
19) 1,1-Dichloroethane	3.23	63	442974	18.874	ug/L	98
21) 2-Butanone	4.04	43	607204	189.634	ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	263550	20.484	ug/L	100
23) Bromochloromethane	4.30	128	110026	20.506	ug/L	98
25) Chloroform	4.43	83	461447	18.158	ug/L	96
27) 1,2-Dichloroethane	5.18	62	286249	18.498	ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	408775	19.760	ug/L	99
30) Cyclohexane	4.72	56	432696	19.831	ug/L	100
31) Carbon tetrachloride	4.87	117	370448	20.806	ug/L	98
33) Benzene	5.15	78	1022247	19.599	ug/L	100
34) Trichloroethene	5.96	95	278007	20.075	ug/L	97
35) Methylcyclohexane	6.18	83	471780	21.011	ug/L	99
37) 1,2-Dichloropropane	6.22	63	253229	18.929	ug/L	99
38) Bromodichloromethane	6.56	83	323546	20.420	ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	407489	22.407	ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	1627341	196.698	ug/L	95

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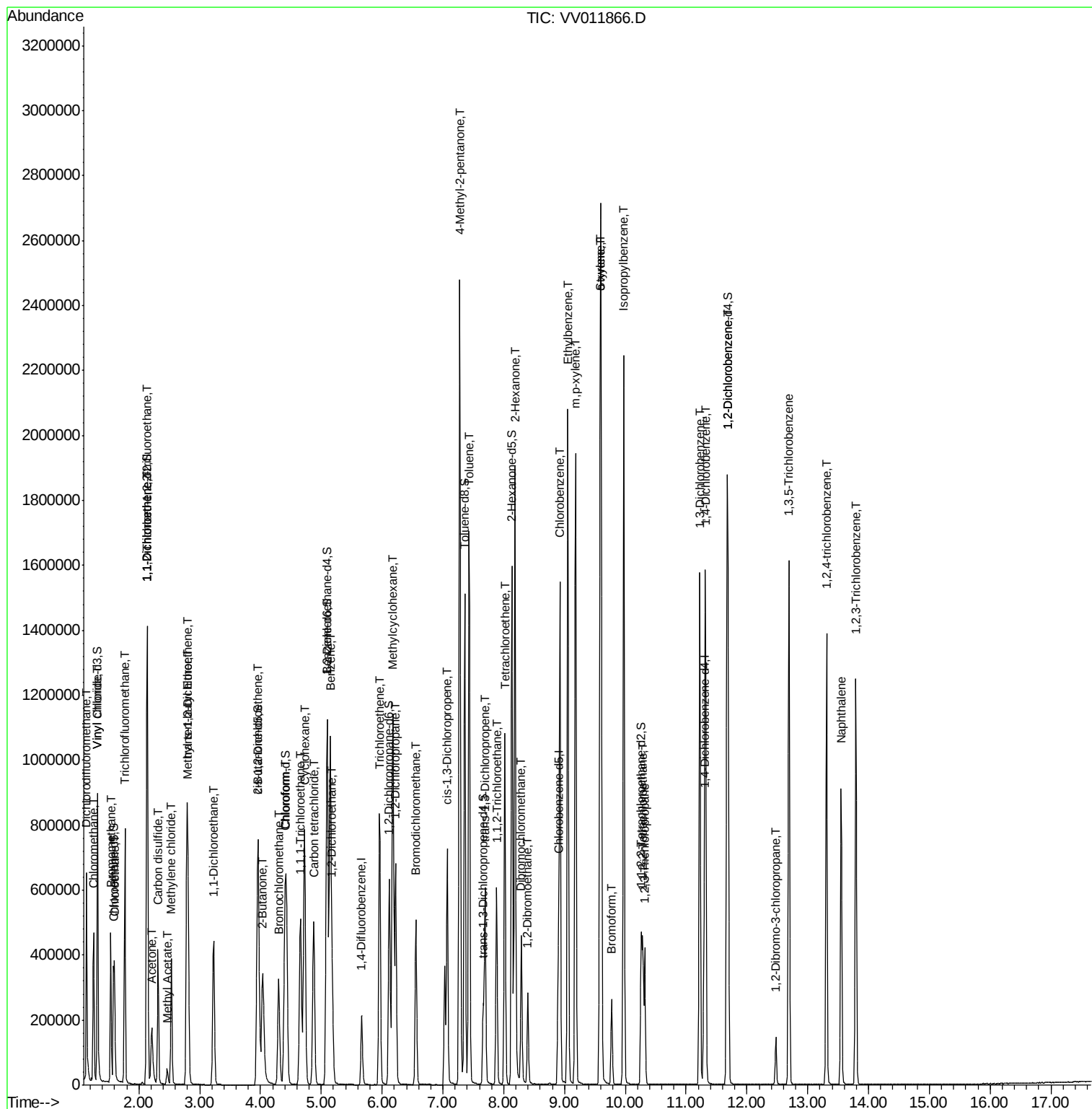
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	1183779	21.312	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	320076	22.992	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	184081	21.254	ug/L	97
47) Tetrachloroethene	8.02	164	242441	22.470	ug/L	98
48) 2-Hexanone	8.19	43	1219544	208.852	ug/L	96
49) Dibromochloromethane	8.29	129	226878	24.608	ug/L	99
50) 1,2-Dibromoethane	8.40	107	178374	22.245	ug/L	99
51) Chlorobenzene	8.92	112	744019	21.152	ug/L	98
52) Ethylbenzene	9.05	91	1372003	22.232	ug/L	99
53) m,p-xylene	9.18	106	510201	22.528	ug/L	100
54) o-xylene	9.59	106	492790	22.670	ug/L	100
55) Styrene	9.60	104	851665	23.321	ug/L	99
56) Isopropylbenzene	9.97	105	1348198	22.897	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	201675	19.672	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	160540	20.661	ug/L	99
61) Bromoform	9.77	173	108905	22.357	ug/L	100
62) 1,3-Dichlorobenzene	11.22	146	586123	20.918	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	590655	20.580	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	539402	20.331	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	33192	19.876	ug/L	97
67) 1,3,5-Trichlorobenzene	12.69	180	463556	21.305	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	386323	22.058	ug/L	100
69) Naphthalene	13.55	128	661570	23.950	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	350045	21.628	ug/L	100

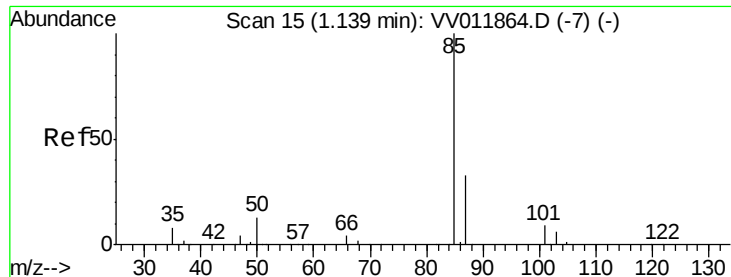
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 20.460 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV011866.D

Acq: 12 Jul 2019 12:26

Instrument :

MSVOA_V

ClientSampleId :

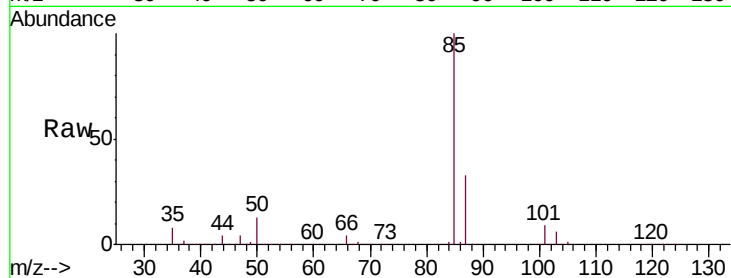
VSTD02033

Tgt Ion: 85 Resp: 343658

Ion Ratio Lower Upper

85 100

87 32.5 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

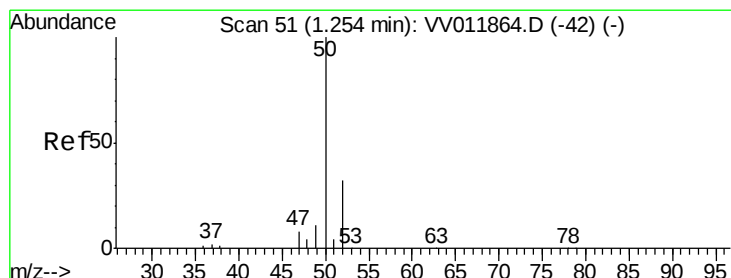
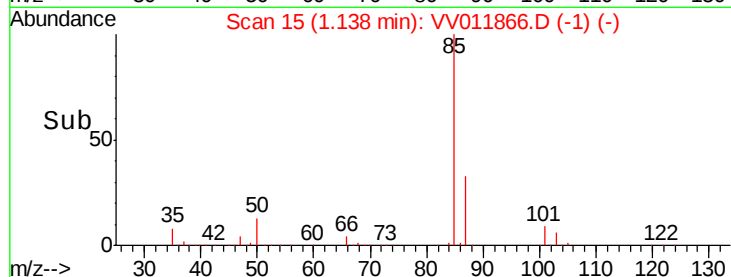
300000

200000

100000

0

Time--> 1.05 1.10 1.15 1.20 1.25



#3

Chloromethane

Concen: 20.018 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV011866.D

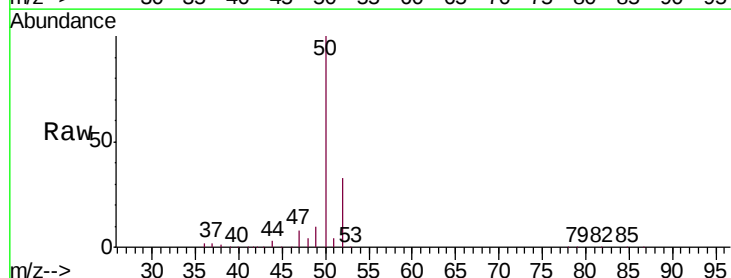
Acq: 12 Jul 2019 12:26

Tgt Ion: 50 Resp: 337189

Ion Ratio Lower Upper

50 100

52 32.8 22.0 41.0



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0

1.25

300000

250000

200000

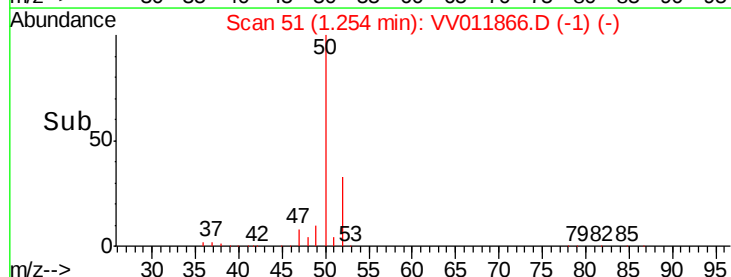
150000

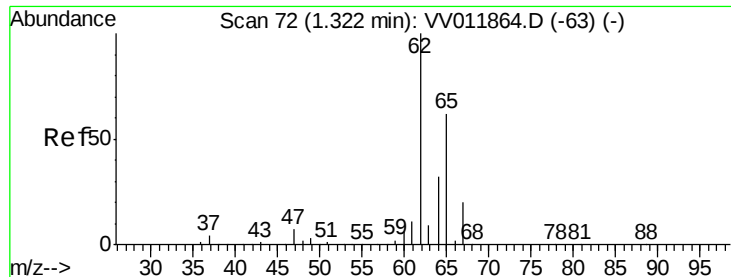
100000

50000

0

Time--> 1.20 1.25 1.30





#5

Vinyl chloride

Concen: 20.845 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV011866.D

Acq: 12 Jul 2019 12:26

Instrument :

MSVOA_V

ClientSampleId :

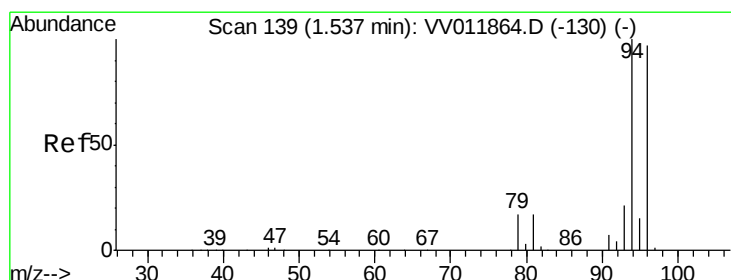
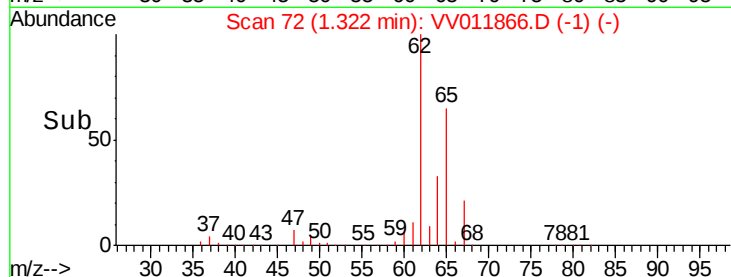
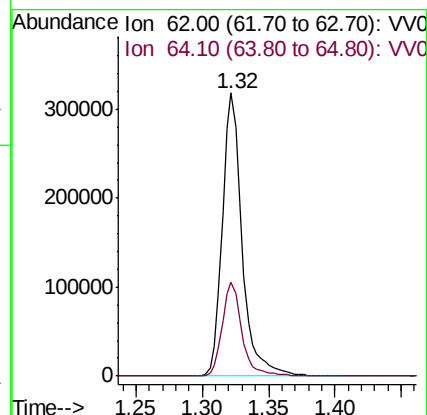
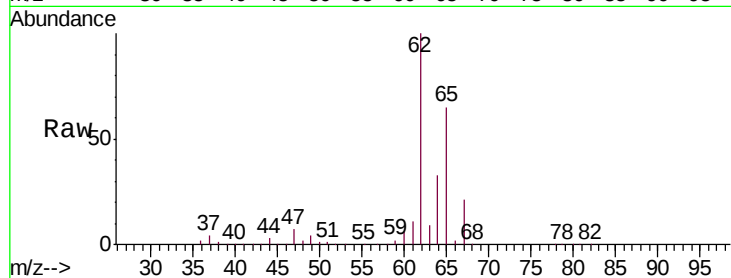
VSTD02033

Tgt Ion: 62 Resp: 330659

Ion Ratio Lower Upper

62 100

64 33.2 22.7 42.3



#6

Bromomethane

Concen: 22.230 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV011866.D

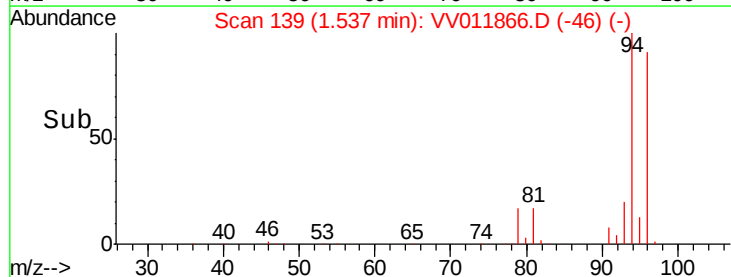
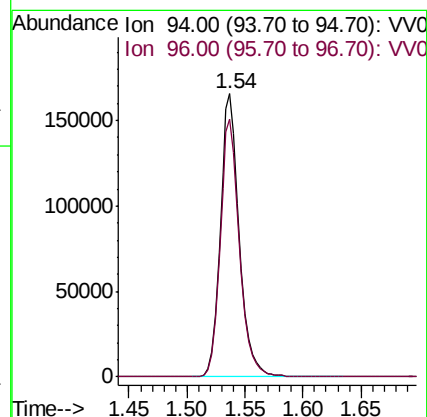
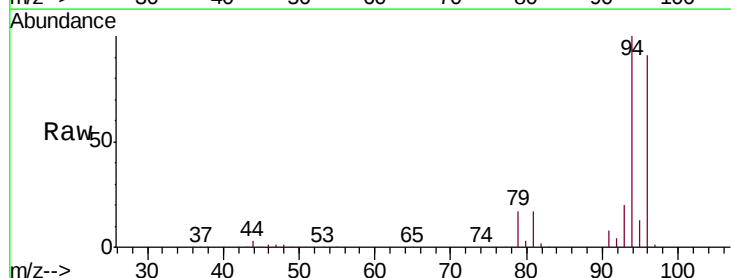
Acq: 12 Jul 2019 12:26

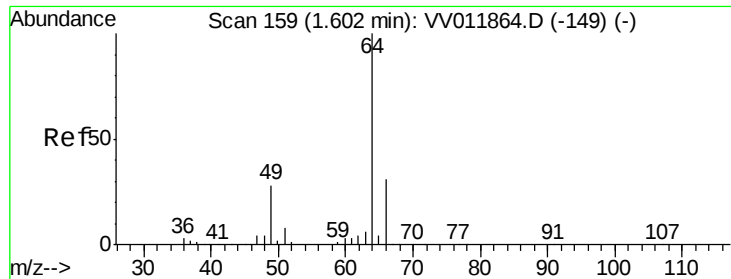
Tgt Ion: 94 Resp: 188949

Ion Ratio Lower Upper

94 100

96 91.2 67.9 126.1





#8

Chloroethane

Concen: 20.336 ug/L

RT: 1.60 min Scan# 158

Delta R.T. -0.00 min

Lab File: VV011866.D

Acq: 12 Jul 2019 12:26

Instrument :

MSVOA_V

ClientSampleId :

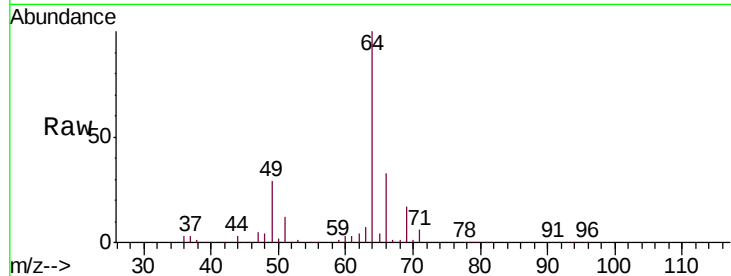
VSTD02033

Tgt Ion: 64 Resp: 184717

Ion Ratio Lower Upper

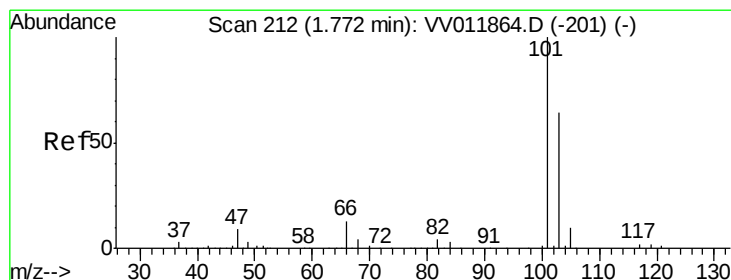
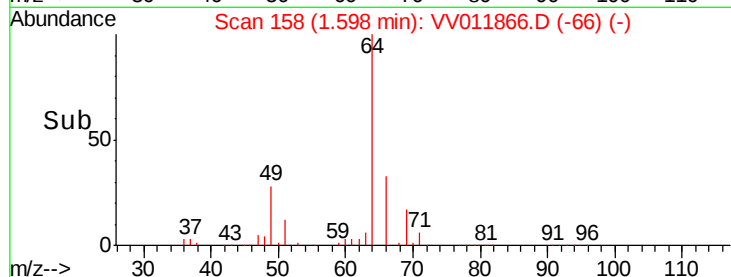
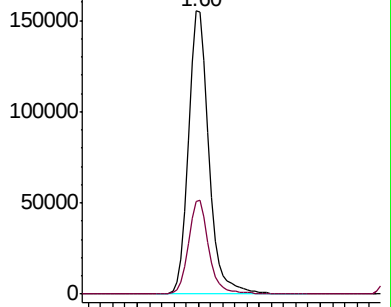
64 100

66 32.9 21.8 40.4



Abundance Ion 64.10 (63.80 to 64.80): VV011864.D (-149) (-)

Ion 66.05 (65.75 to 66.75): VV011866.D (-66) (-)



#9

Trichlorofluoromethane

Concen: 20.690 ug/L

RT: 1.77 min Scan# 211

Delta R.T. -0.00 min

Lab File: VV011866.D

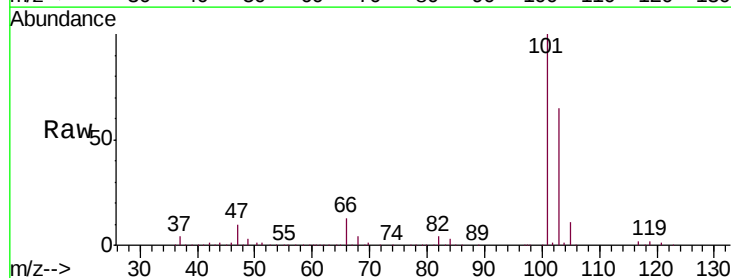
Acq: 12 Jul 2019 12:26

Tgt Ion: 101 Resp: 432657

Ion Ratio Lower Upper

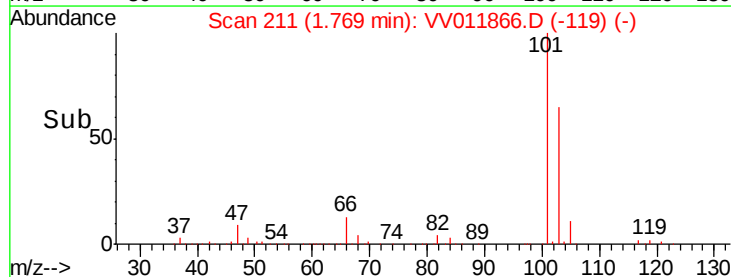
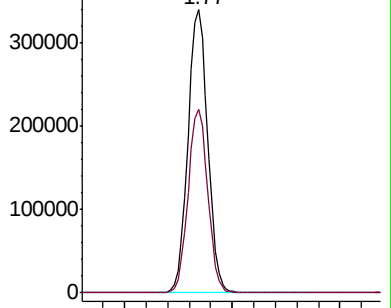
101 100

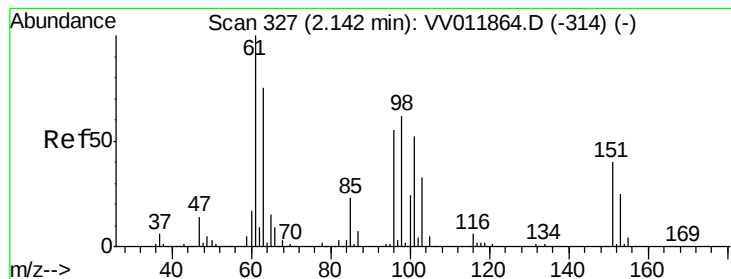
103 64.6 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VV011864.D (-201) (-)

Ion 103.00 (102.70 to 103.70): VV011866.D (-119) (-)





#10

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

Concen: 14.481 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV011866.D

Acq: 12 Jul 2019 12:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD02033

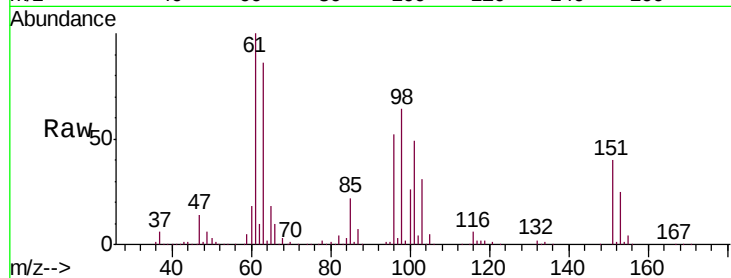
Tgt Ion: 101 Resp: 169413

Ion Ratio Lower Upper

101 100

85 44.7 34.8 52.2

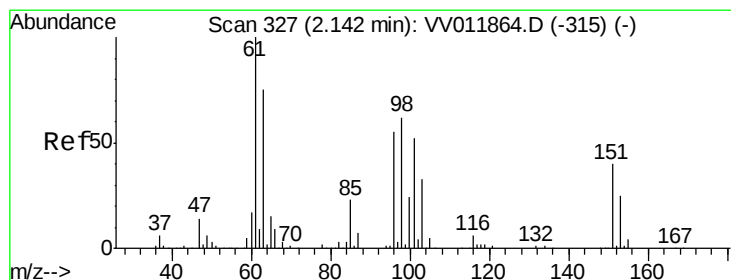
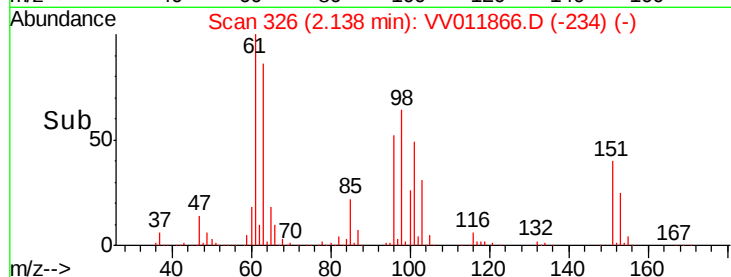
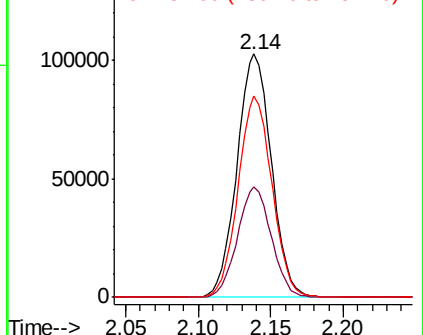
151 81.9 60.8 91.2



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: 14.363 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV011866.D

Acq: 12 Jul 2019 12:26

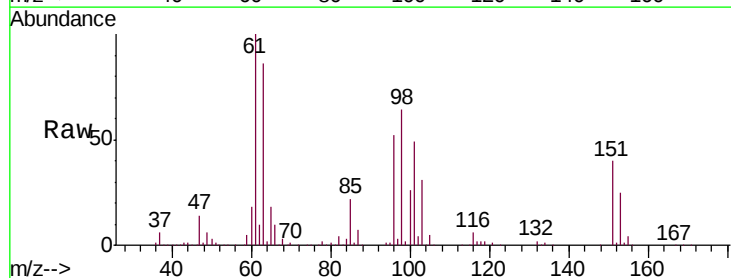
Tgt Ion: 96 Resp: 155508

Ion Ratio Lower Upper

96 100

61 193.6 128.1 237.9

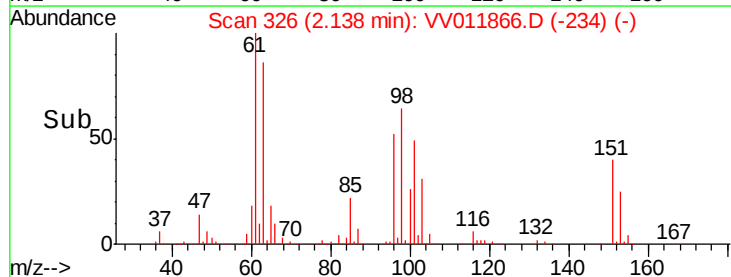
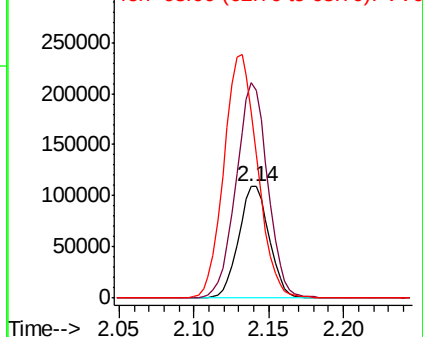
63 167.3 96.7 179.5

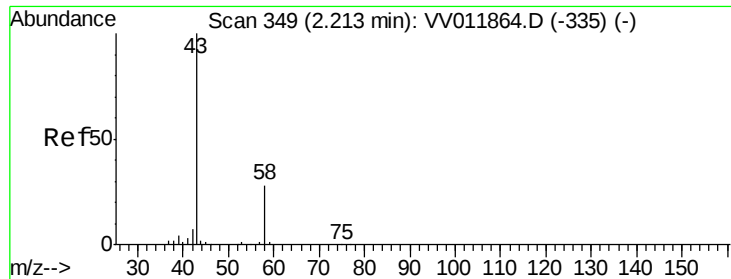


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 133.947 ug/L

RT: 2.21 min Scan# 349

Delta R.T. -0.00 min

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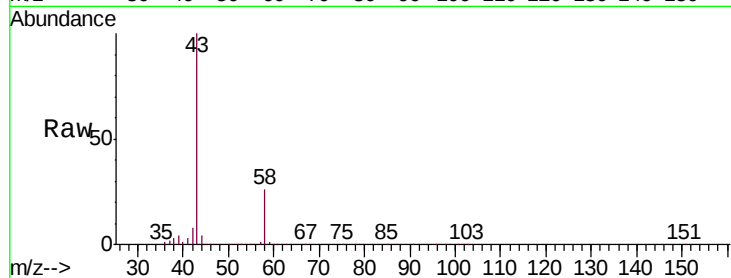
VSTD02033

Tgt Ion: 43 Resp: 268012

Ion Ratio Lower Upper

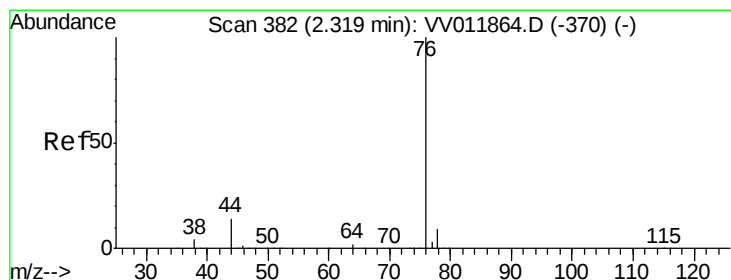
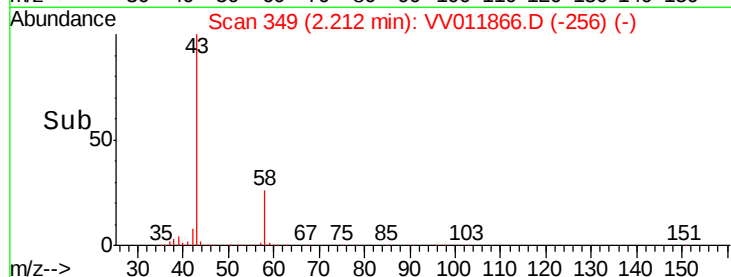
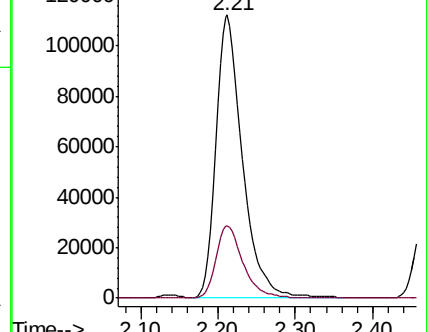
43 100

58 26.5 0.0 58.4



Abundance Ion 43.05 (42.75 to 43.75): VV011866.D (-256) (-)

Ion 58.05 (57.75 to 58.75): VV011866.D (-256) (-)



#14

Carbon disulfide

Concen: 15.017 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV011866.D

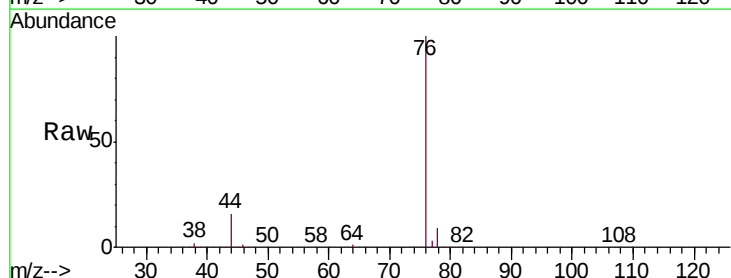
Acq: 12 Jul 2019 12:26

Tgt Ion: 76 Resp: 438473

Ion Ratio Lower Upper

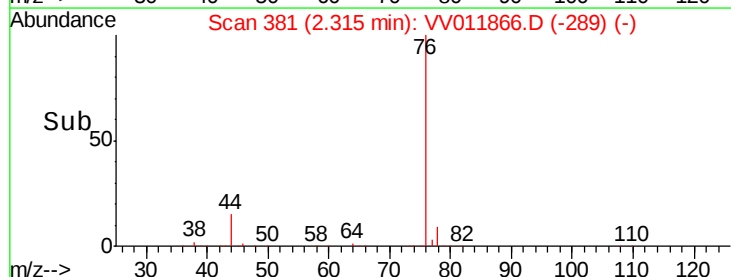
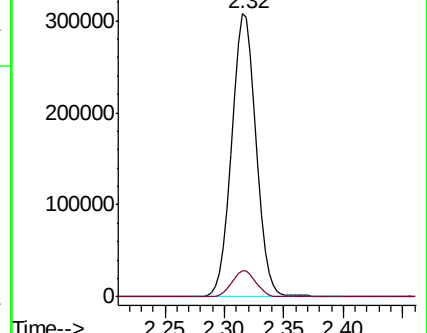
76 100

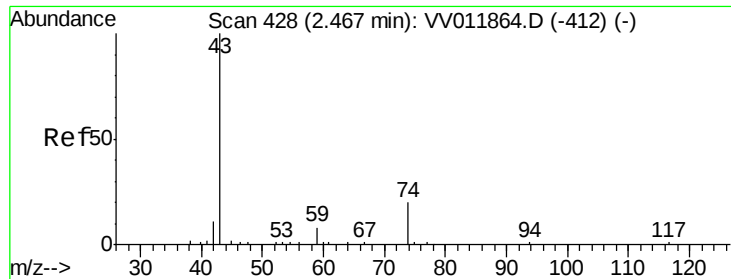
78 9.3 7.6 11.4



Abundance Ion 76.05 (75.75 to 76.75): VV011866.D (-289) (-)

Ion 78.00 (77.70 to 78.70): VV011866.D (-289) (-)

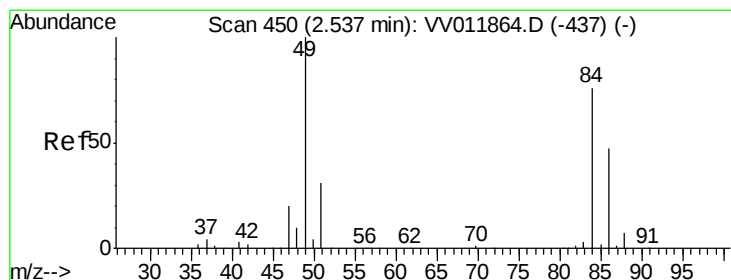
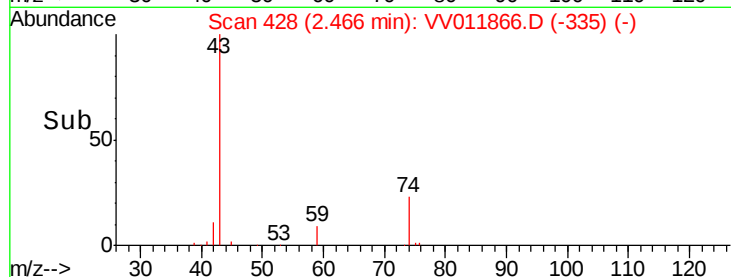
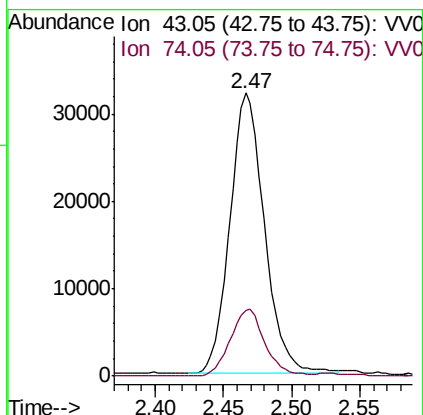
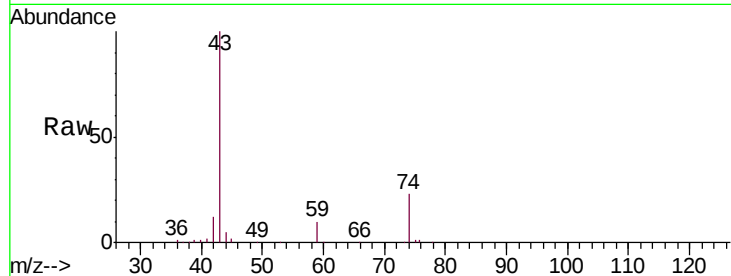




#15
Methyl Acetate
Concen: 9.999 ug/L
RT: 2.47 min Scan# 428
Delta R.T. -0.00 min
Lab File: VV011866.D
Acq: 12 Jul 2019 12:26

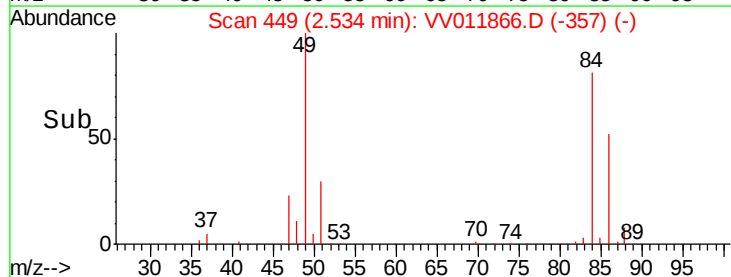
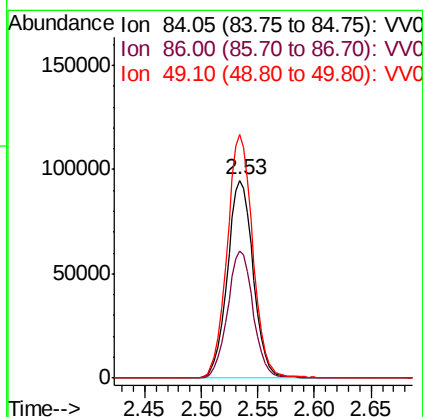
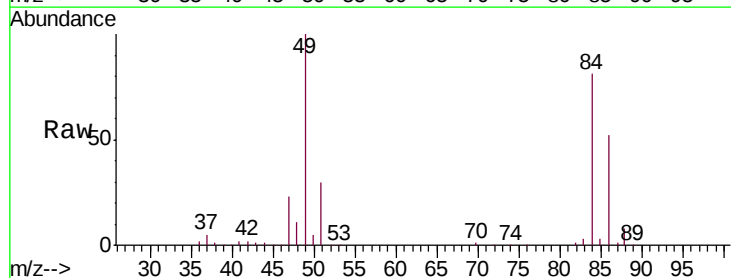
Instrument :
MSVOA_V
ClientSampleId :
VSTD02033

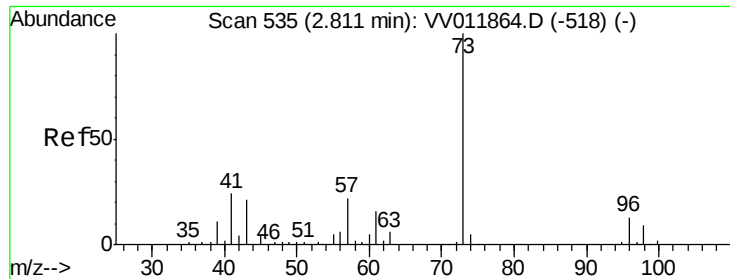
Tgt Ion: 43 Resp: 56431
Ion Ratio Lower Upper
43 100
74 23.9 17.4 26.0



#16
Methylene chloride
Concen: 11.813 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV011866.D
Acq: 12 Jul 2019 12:26

Tgt Ion: 84 Resp: 150447
Ion Ratio Lower Upper
84 100
86 64.5 43.9 81.5
49 123.2 92.6 172.0



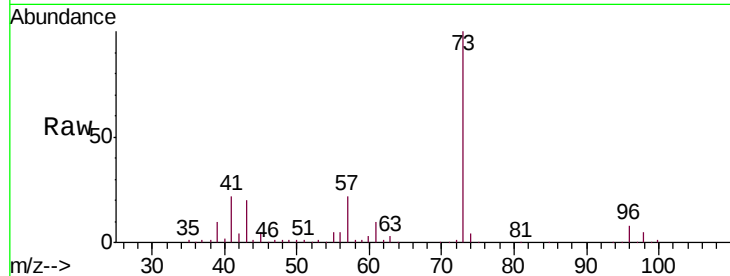


#17

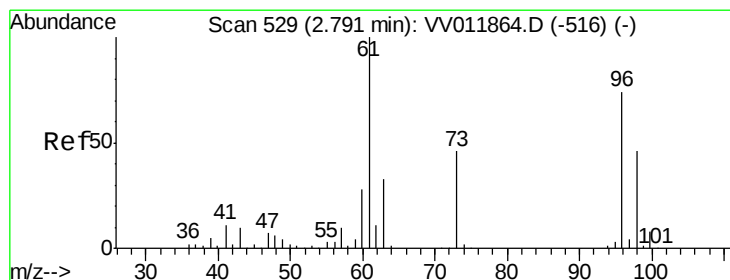
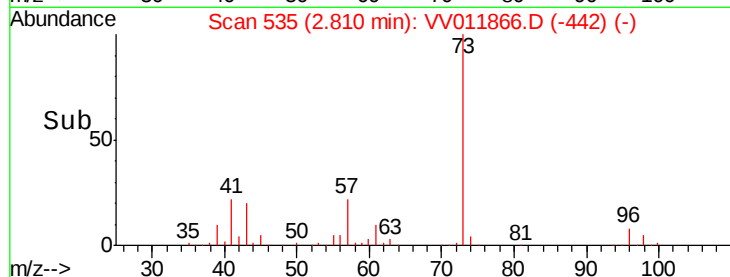
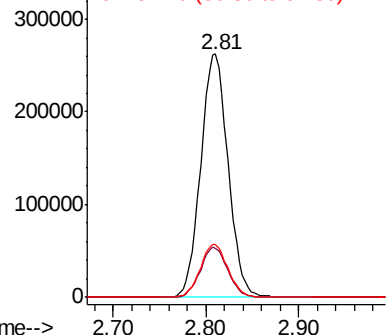
Methyl tert-butyl Ether
 Concen: 19.619 ug/L
 RT: 2.81 min Scan# 535
 Delta R.T. -0.00 min
 Lab File: VV011866.D
 Acq: 12 Jul 2019 12:26

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02033

Tgt Ion: 73 Resp: 536886
 Ion Ratio Lower Upper
 73 100
 43 20.7 16.3 24.5
 57 22.0 17.4 26.0



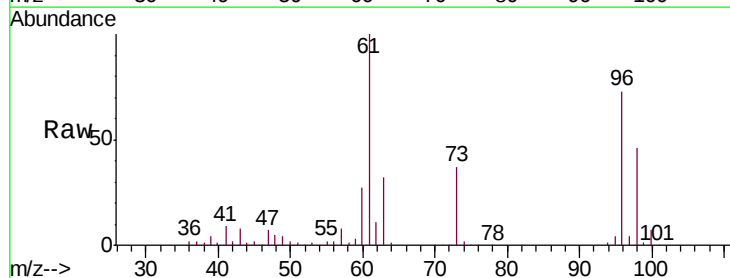
Abundance Ion 73.10 (72.80 to 73.80): VV0
 Ion 43.05 (42.75 to 43.75): VV0
 Ion 57.10 (56.80 to 57.80): VV0



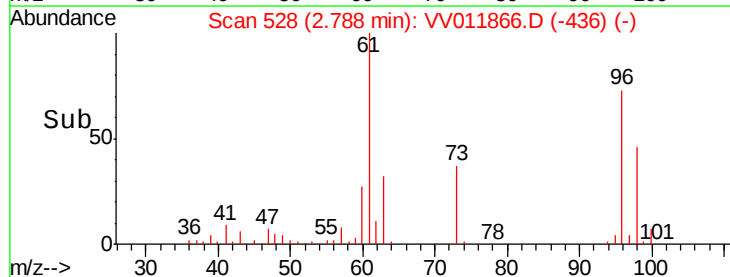
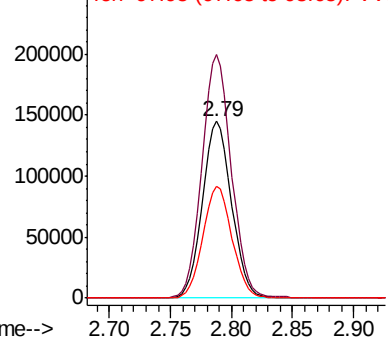
#18

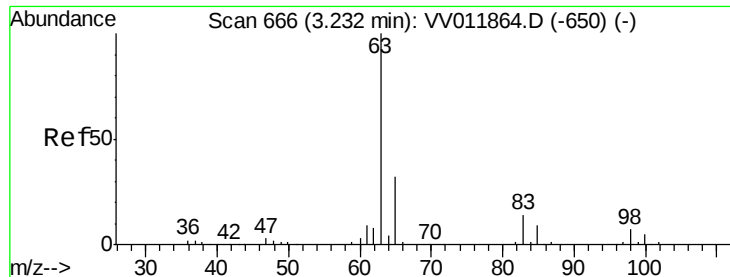
trans-1,2-Dichloroethene
 Concen: 20.009 ug/L
 RT: 2.79 min Scan# 528
 Delta R.T. -0.00 min
 Lab File: VV011866.D
 Acq: 12 Jul 2019 12:26

Tgt Ion: 96 Resp: 242436
 Ion Ratio Lower Upper
 96 100
 61 137.6 94.8 176.2
 98 63.2 43.4 80.6



Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 97.95 (97.65 to 98.65): VV0

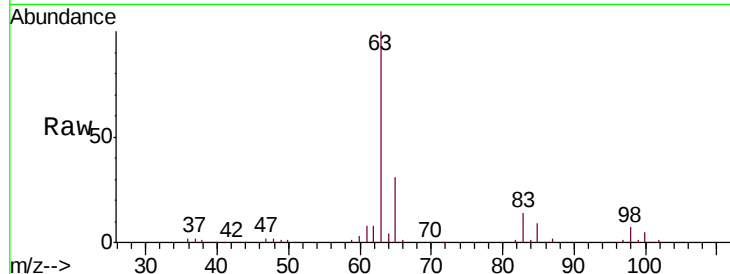




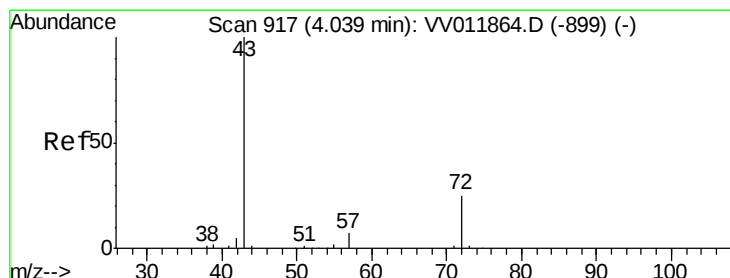
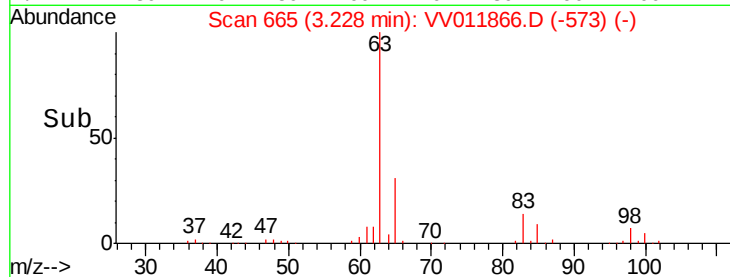
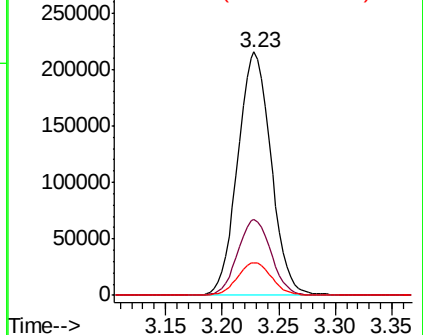
#19
 1,1-Dichloroethane
 Concen: 18.874 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VV011866.D
 Acq: 12 Jul 2019 12:26

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02033

Tgt Ion: 63 Resp: 442974
 Ion Ratio Lower Upper
 63 100
 65 31.4 22.6 42.0
 83 13.5 10.0 18.6

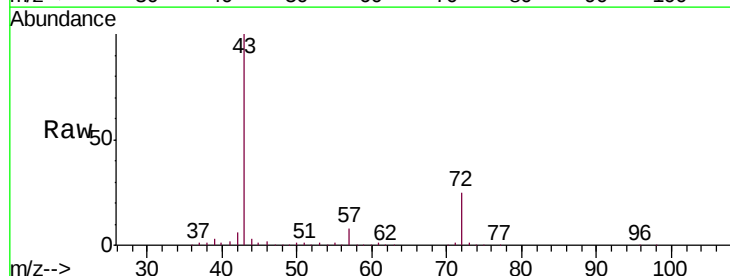


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

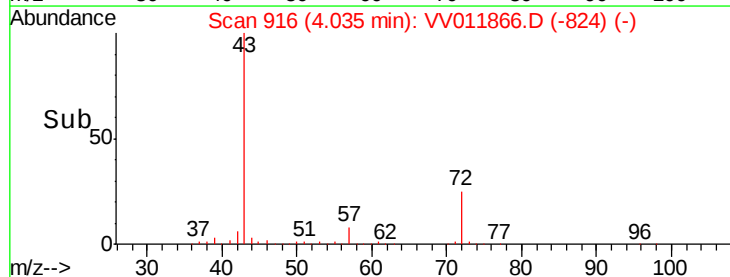
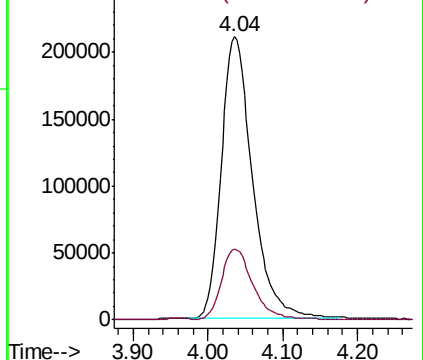


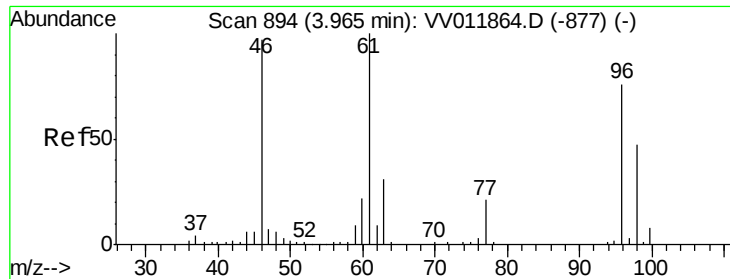
#21
 2-Butanone
 Concen: 189.634 ug/L
 RT: 4.04 min Scan# 916
 Delta R.T. -0.00 min
 Lab File: VV011866.D
 Acq: 12 Jul 2019 12:26

Tgt Ion: 43 Resp: 607204
 Ion Ratio Lower Upper
 43 100
 72 25.5 12.2 36.4



Abundance Ion 43.05 (42.75 to 43.75): VV0
 Ion 72.10 (71.80 to 72.80): VV0



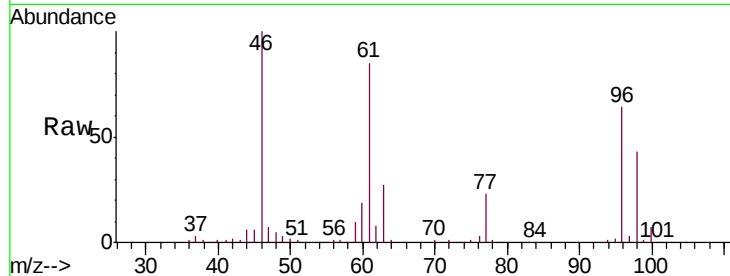


#22

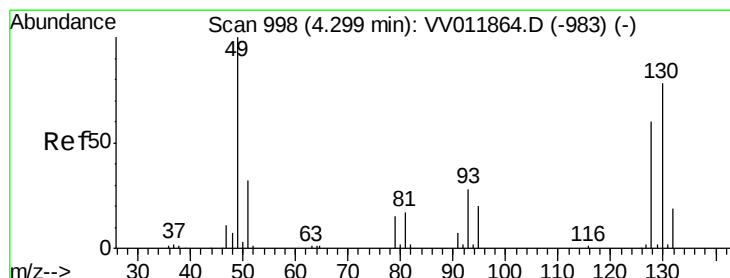
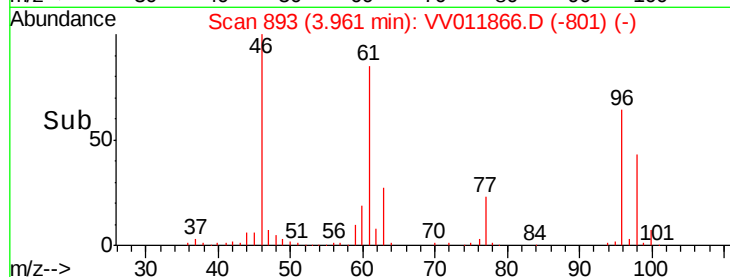
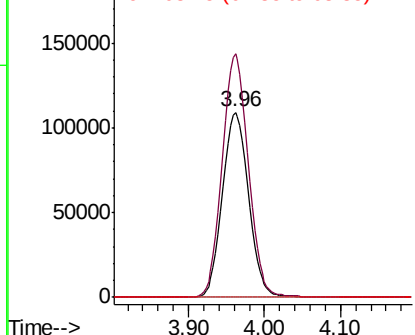
cis-1,2-Dichloroethene
 Concen: 20.484 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. -0.00 min
 Lab File: VV011866.D
 Acq: 12 Jul 2019 12:26

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02033

Tgt Ion: 96 Resp: 263550
 Ion Ratio Lower Upper
 96 100
 61 131.8 92.6 172.0
 68 0.0 0.0 0.0



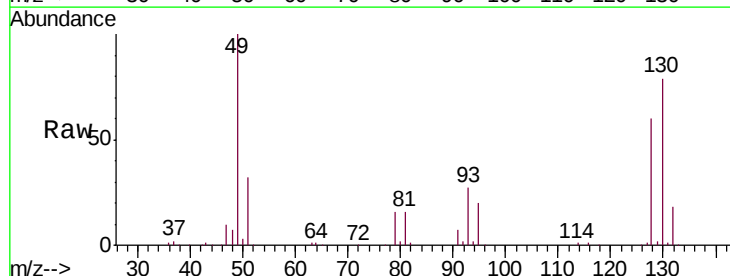
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



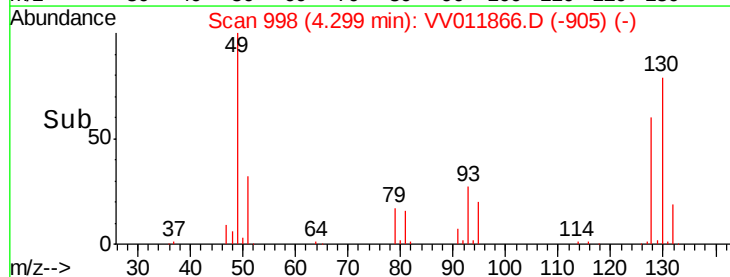
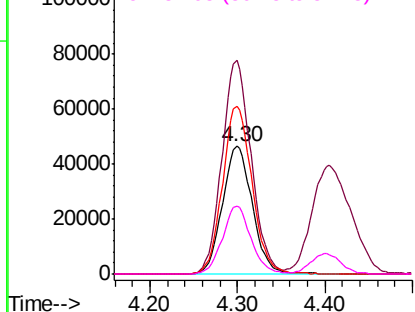
#23

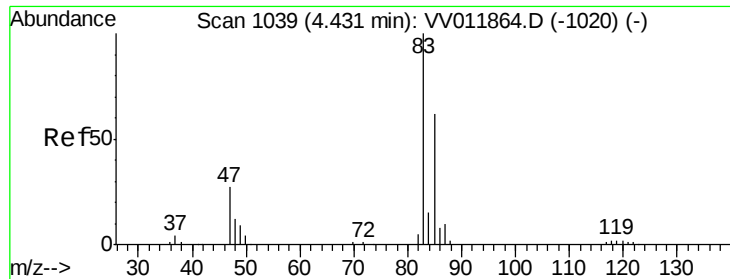
Bromochloromethane
 Concen: 20.506 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. -0.00 min
 Lab File: VV011866.D
 Acq: 12 Jul 2019 12:26

Tgt Ion: 128 Resp: 110026
 Ion Ratio Lower Upper
 128 100
 49 167.4 116.3 216.1
 130 131.7 90.3 167.7
 51 53.6 42.0 63.0



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

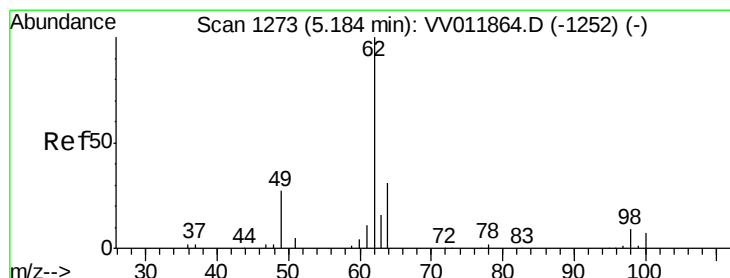
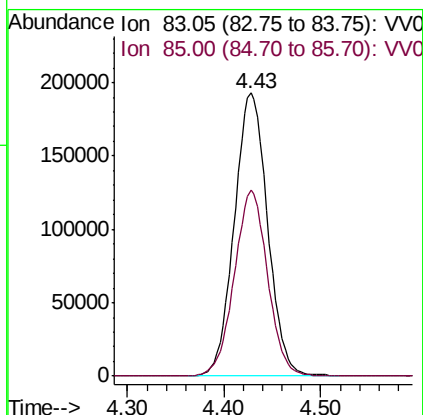
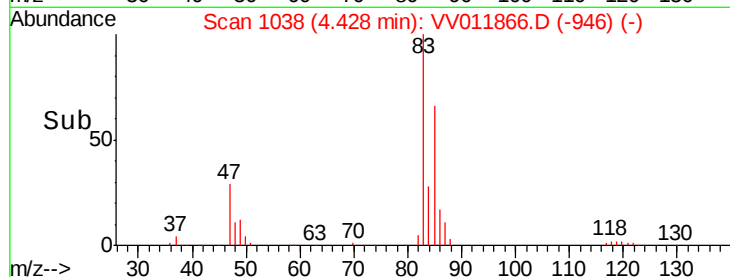
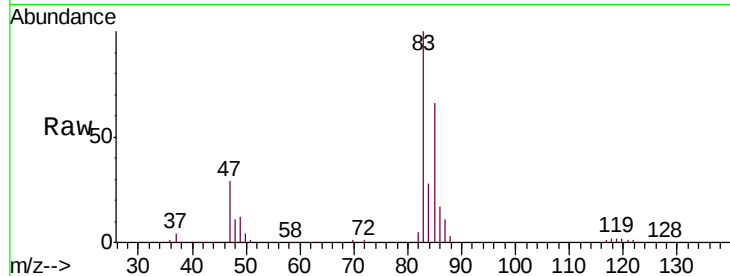




#25
Chloroform
Concen: 18.158 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. -0.00 min
Lab File: VV011866.D
Acq: 12 Jul 2019 12:26

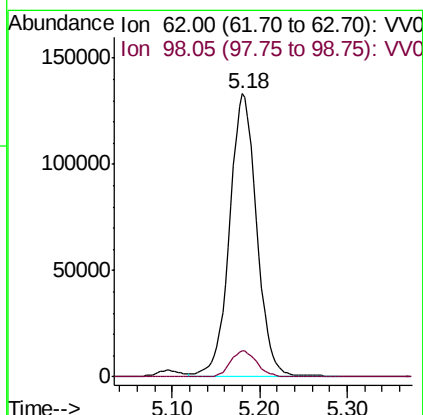
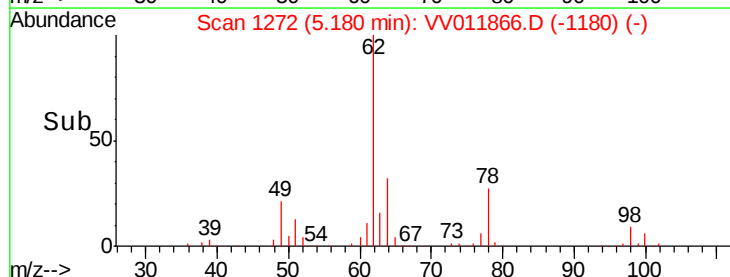
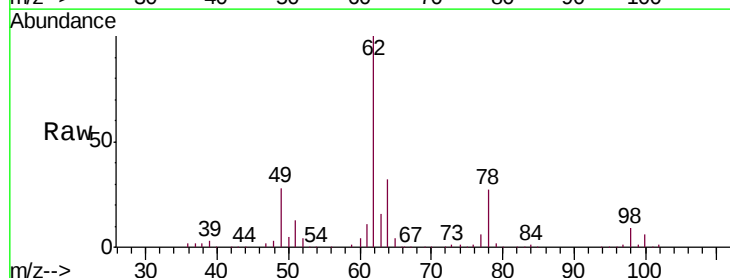
Instrument :
MSVOA_V
ClientSampleId :
VSTD02033

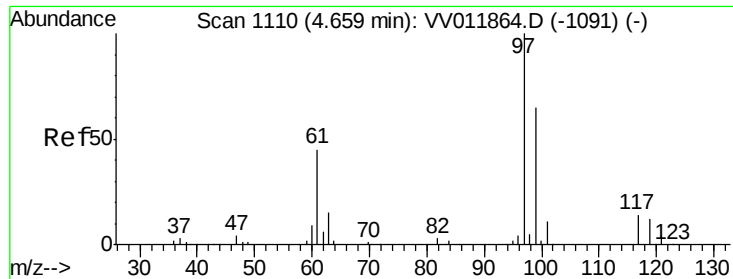
Tgt Ion: 83 Resp: 461447
Ion Ratio Lower Upper
83 100
85 65.7 43.8 81.4



#27
1,2-Dichloroethane
Concen: 18.498 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VV011866.D
Acq: 12 Jul 2019 12:26

Tgt Ion: 62 Resp: 286249
Ion Ratio Lower Upper
62 100
98 9.1 7.5 11.3

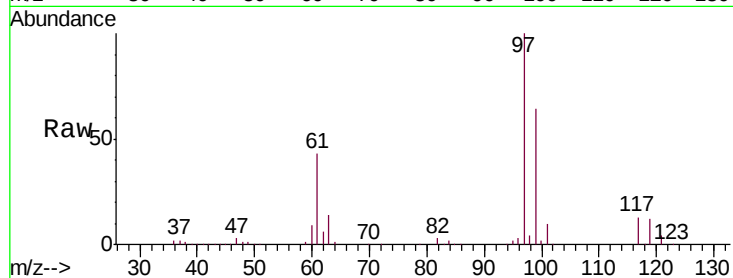




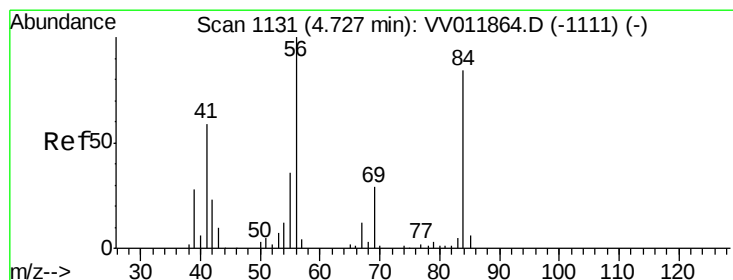
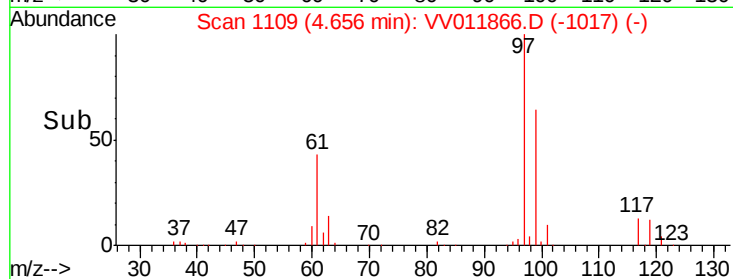
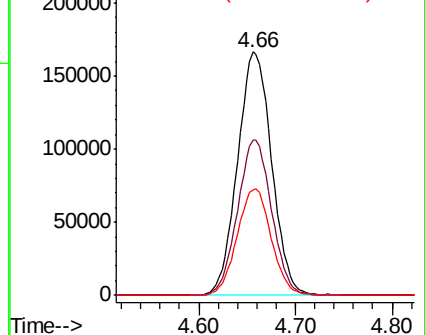
#29
 1,1,1-Trichloroethane
 Concen: 19.760 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. -0.00 min
 Lab File: VV011866.D
 Acq: 12 Jul 2019 12:26

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02033

Tgt Ion: 97 Resp: 408775
 Ion Ratio Lower Upper
 97 100
 99 63.6 51.3 76.9
 61 43.9 35.8 53.8

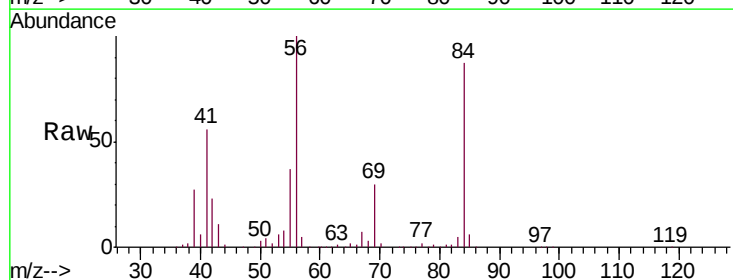


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

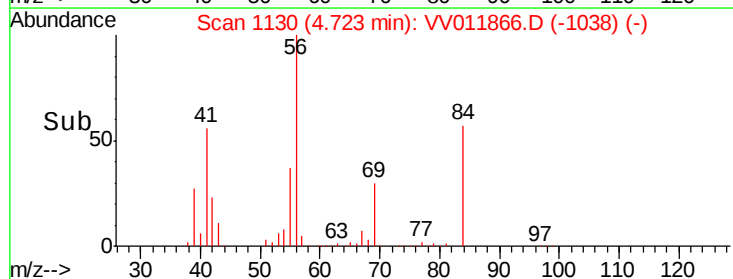
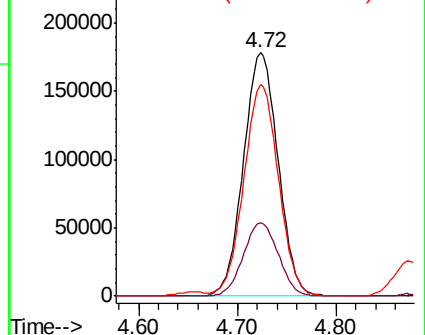


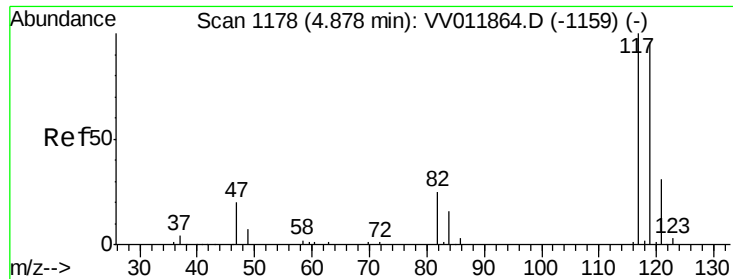
#30
 Cyclohexane
 Concen: 19.831 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. -0.00 min
 Lab File: VV011866.D
 Acq: 12 Jul 2019 12:26

Tgt Ion: 56 Resp: 432696
 Ion Ratio Lower Upper
 56 100
 69 30.6 24.2 36.4
 84 87.3 69.6 104.4



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

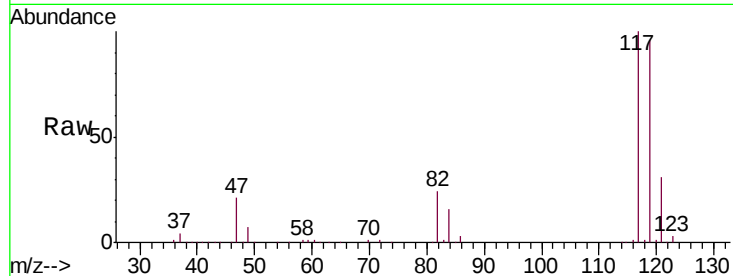




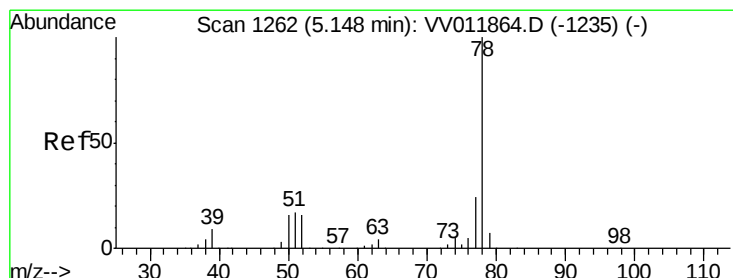
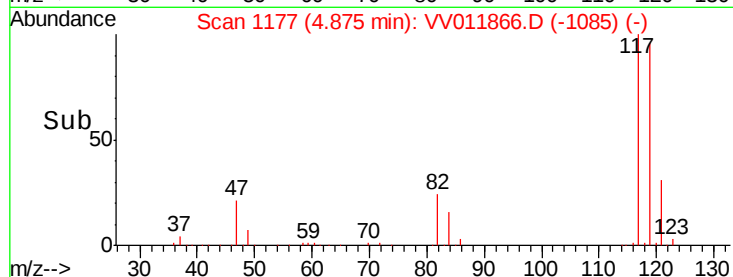
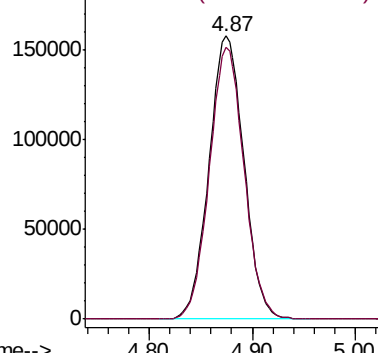
#31
Carbon tetrachloride
Concen: 20.806 ug/L
RT: 4.87 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VV011866.D
Acq: 12 Jul 2019 12:26

Instrument :
MSVOA_V
ClientSampleId :
VSTD02033

Tgt Ion:117 Resp: 370448
Ion Ratio Lower Upper
117 100
119 95.6 77.7 116.5

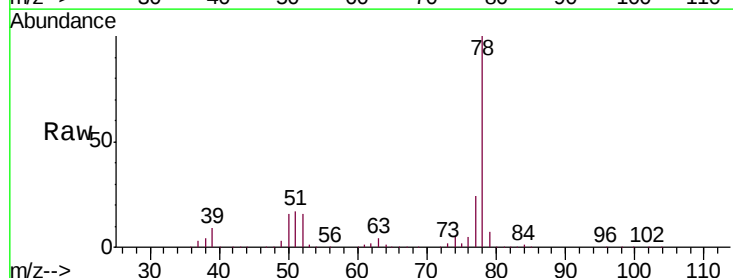


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V

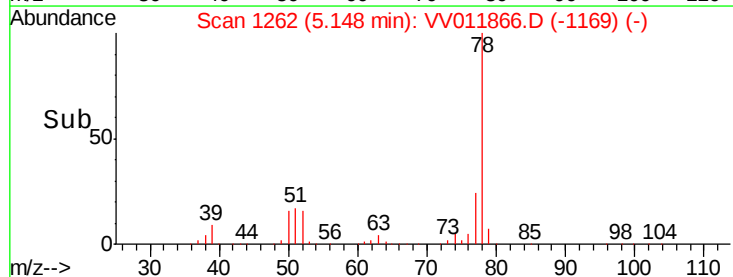
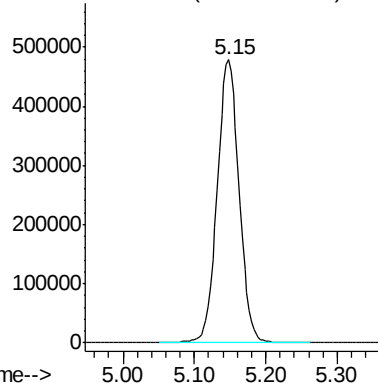


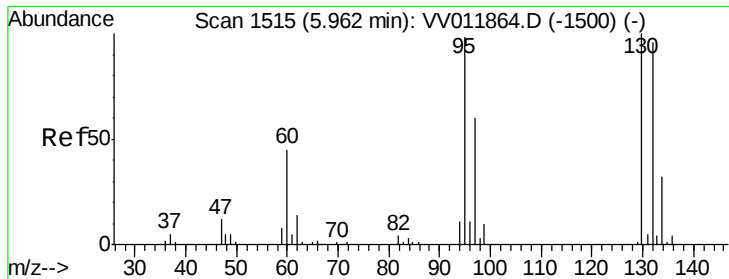
#33
Benzene
Concen: 19.599 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. -0.00 min
Lab File: VV011866.D
Acq: 12 Jul 2019 12:26

Tgt Ion: 78 Resp: 1022247



Abundance Ion 78.10 (77.80 to 78.80): VV0

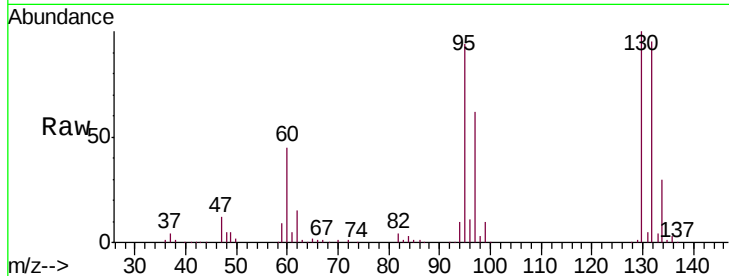




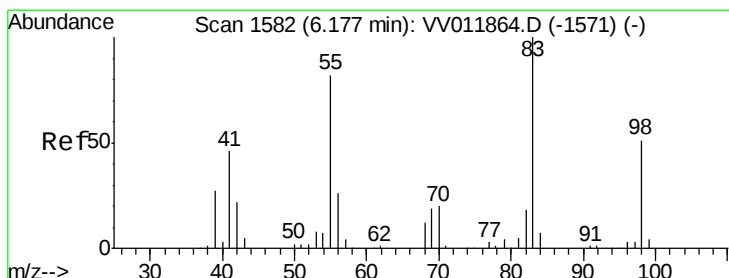
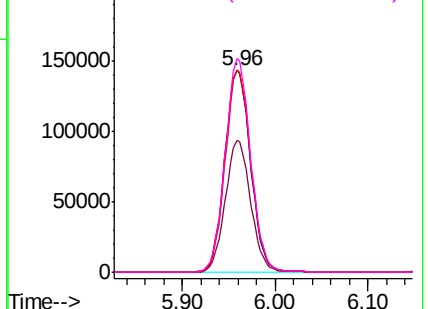
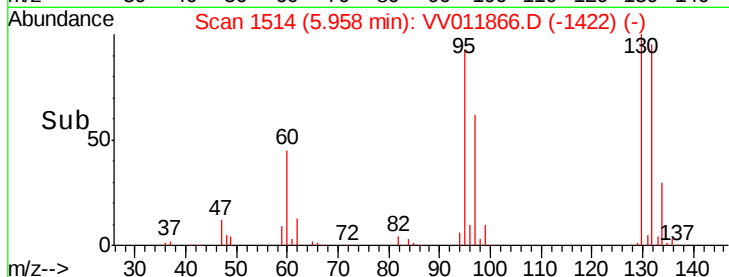
#34
 Trichloroethene
 Concen: 20.075 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. -0.00 min
 Lab File: VV011866.D
 Acq: 12 Jul 2019 12:26

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02033

Tgt Ion: 95 Resp: 278007
 Ion Ratio Lower Upper
 95 100
 97 65.2 43.2 80.2
 132 100.5 68.8 127.8
 130 105.8 71.7 133.1

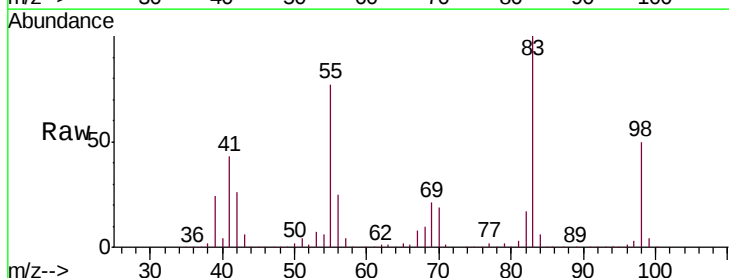


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

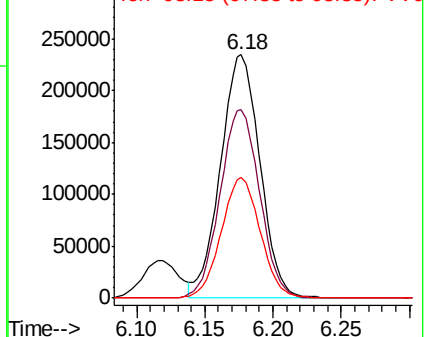
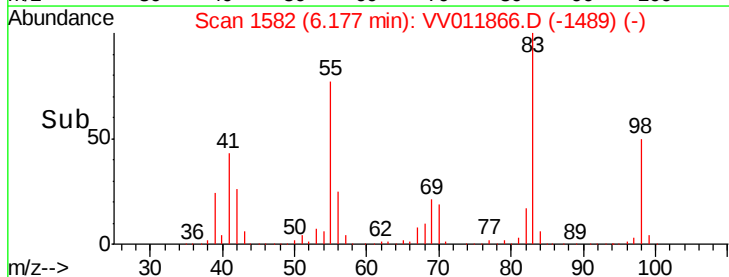


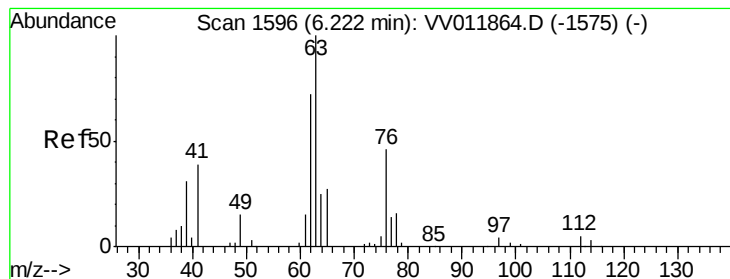
#35
 Methylcyclohexane
 Concen: 21.011 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. -0.00 min
 Lab File: VV011866.D
 Acq: 12 Jul 2019 12:26

Tgt Ion: 83 Resp: 471780
 Ion Ratio Lower Upper
 83 100
 55 77.7 63.6 95.4
 98 49.2 39.1 58.7



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: 18.929 ug/L

RT: 6.22 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VV011866.D

Acq: 12 Jul 2019 12:26

Instrument :

MSVOA_V

ClientSampled :

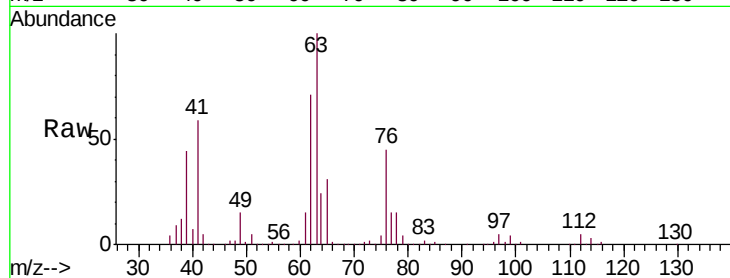
VSTD02033

Tgt Ion: 63 Resp: 253229

Ion Ratio Lower Upper

63 100

112 4.8 4.2 6.2



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 112.10 (111.80 to 112.80): V

150000

100000

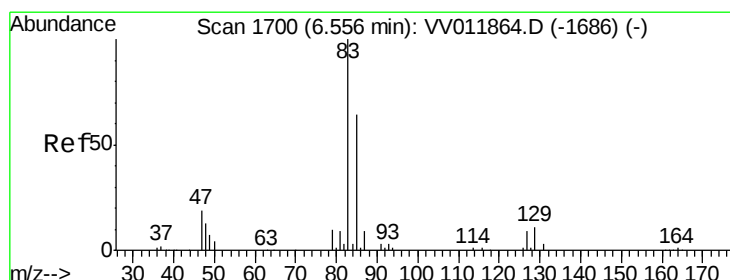
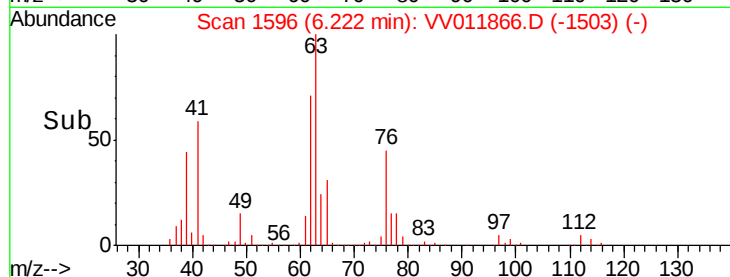
50000

0

6.22

6.10 6.20 6.30

Time-->



#38

Bromodichloromethane

Concen: 20.420 ug/L

RT: 6.56 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VV011866.D

Acq: 12 Jul 2019 12:26

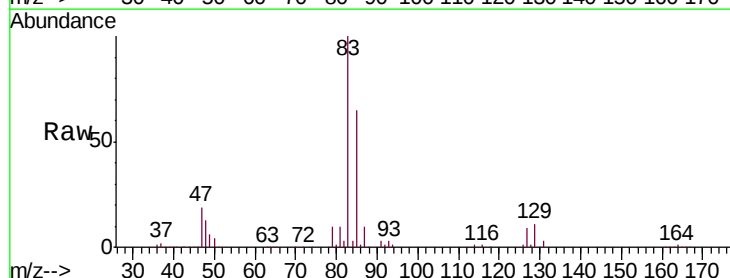
Tgt Ion: 83 Resp: 323546

Ion Ratio Lower Upper

83 100

85 65.0 44.5 82.7

127 8.7 7.4 11.0



Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 126.90 (126.60 to 127.60): V

200000

150000

100000

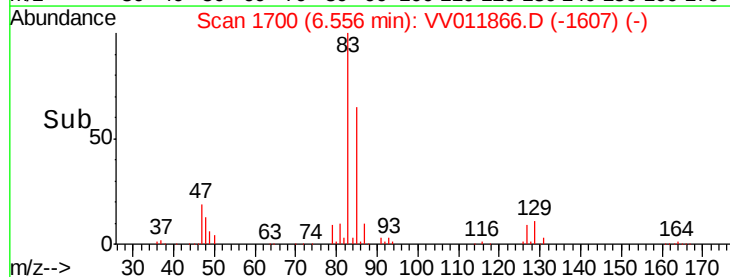
50000

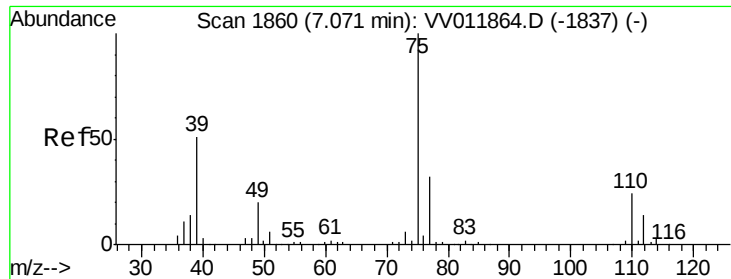
0

6.56

6.50 6.60 6.70

Time-->

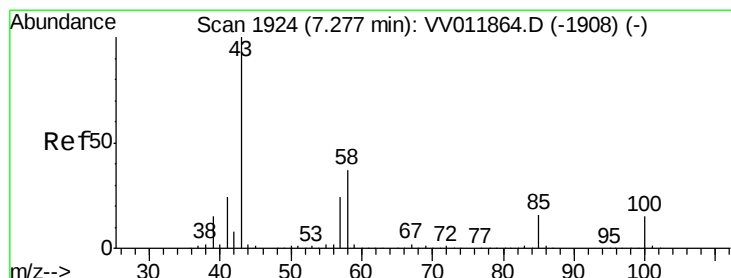
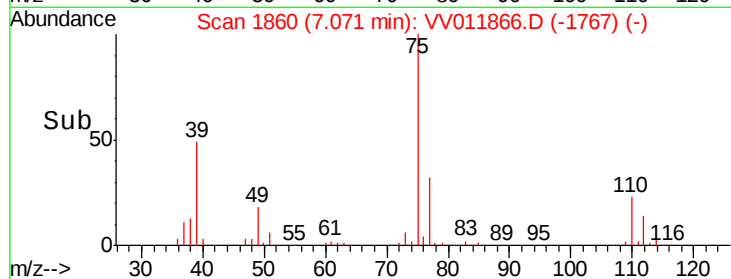
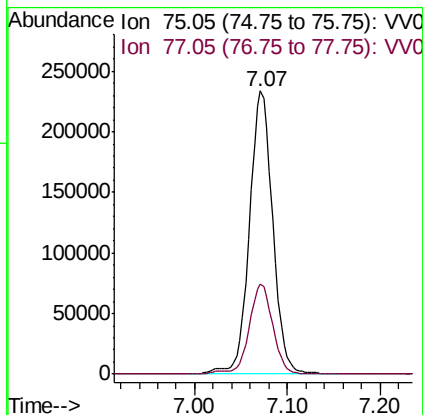
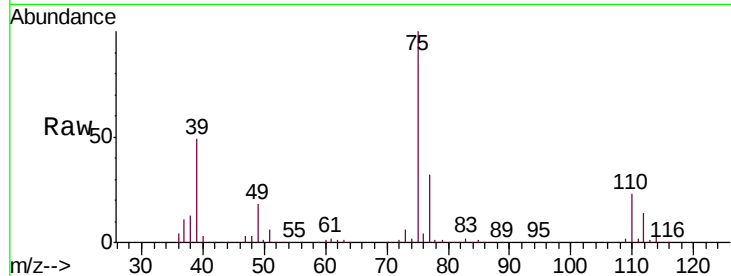




#39
 cis-1,3-Dichloropropene
 Concen: 22.407 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VV011866.D
 Acq: 12 Jul 2019 12:26

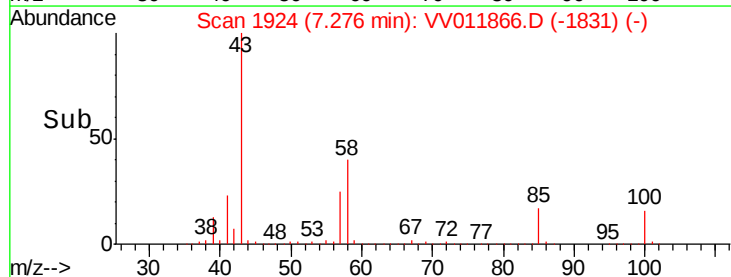
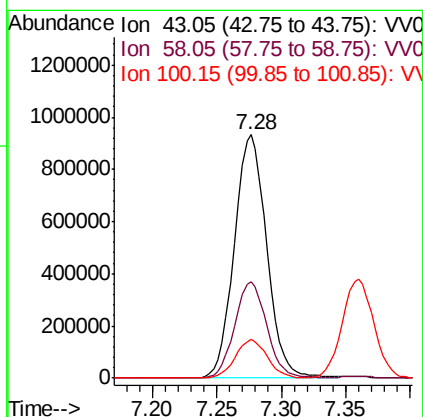
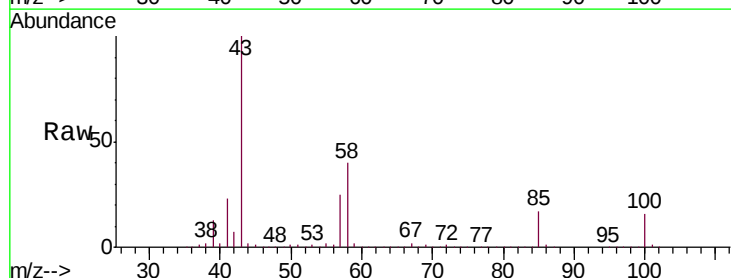
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02033

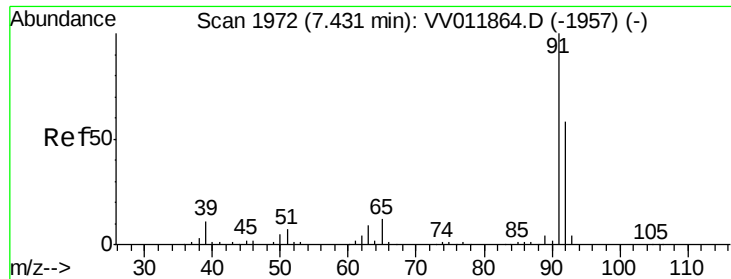
Tgt Ion: 75 Resp: 407489
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 196.698 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. -0.00 min
 Lab File: VV011866.D
 Acq: 12 Jul 2019 12:26

Tgt Ion: 43 Resp: 1627341
 Ion Ratio Lower Upper
 43 100
 58 39.3 29.1 43.7
 100 15.6 11.2 16.8





#42

Toluene

Concen: 21.312 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV011866.D

Acq: 12 Jul 2019 12:26

Instrument :

MSVOA_V

ClientSampleId :

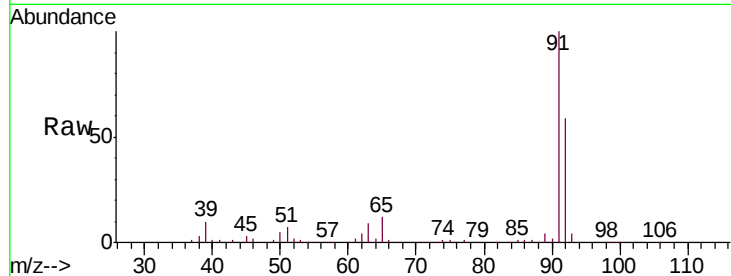
VSTD02033

Tgt Ion: 91 Resp: 1183779

Ion Ratio Lower Upper

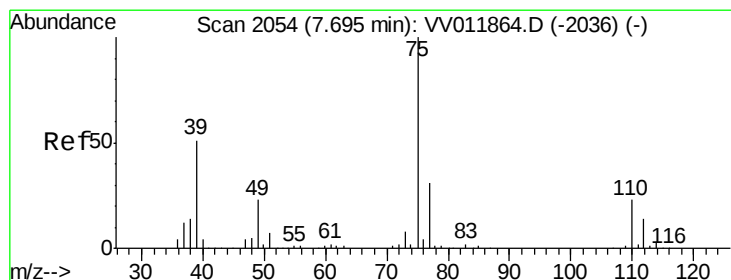
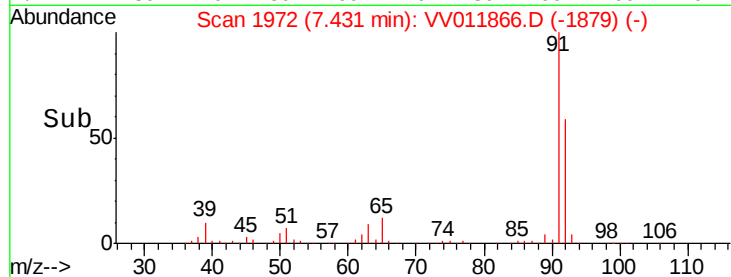
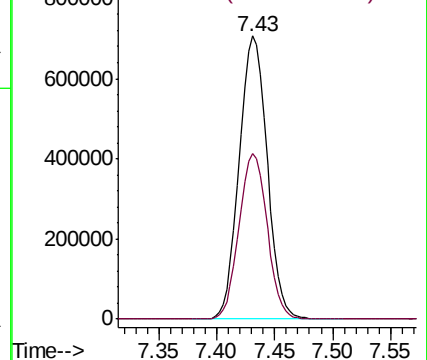
91 100

92 58.7 40.8 75.8



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: 22.992 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. -0.00 min

Lab File: VV011866.D

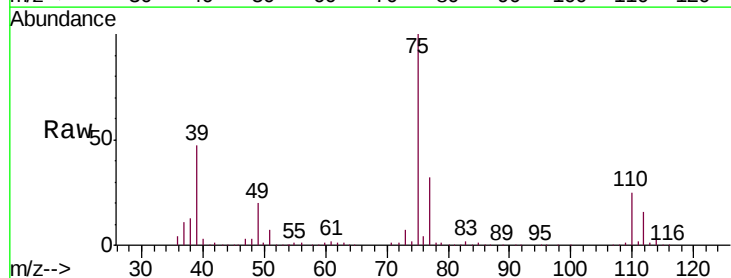
Acq: 12 Jul 2019 12:26

Tgt Ion: 75 Resp: 320076

Ion Ratio Lower Upper

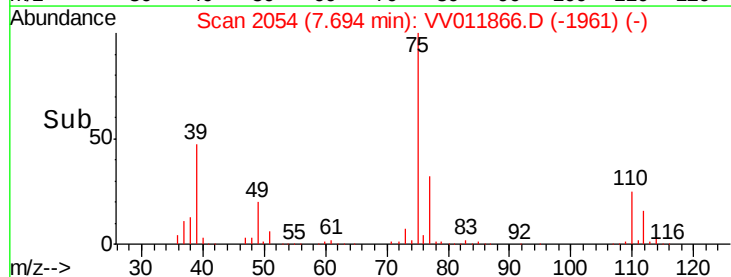
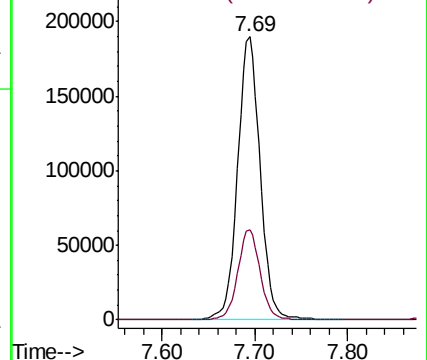
75 100

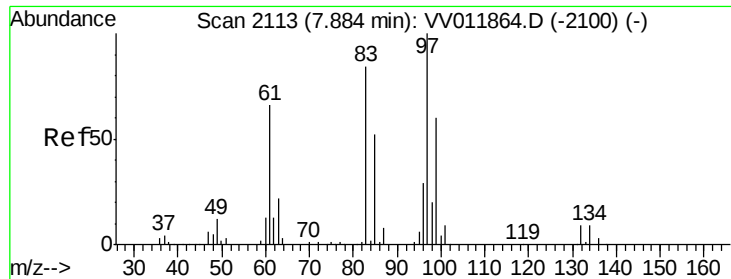
77 32.0 21.6 40.0



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

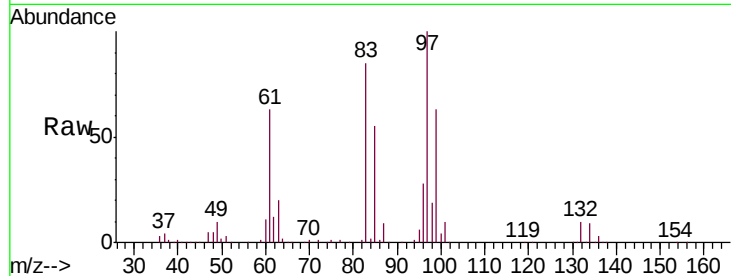




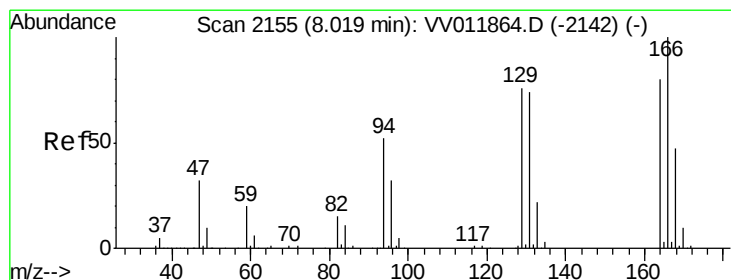
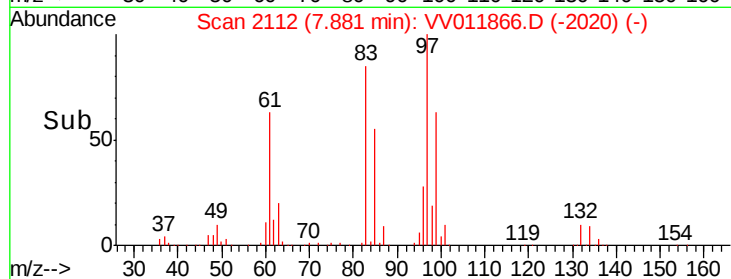
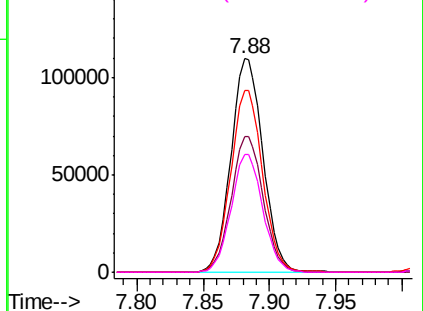
#45
 1,1,2-Trichloroethane
 Concen: 21.254 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VV011866.D
 Acq: 12 Jul 2019 12:26

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02033

Tgt Ion:	97	Resp:	184081
Ion	Ratio	Lower	Upper
97	100		
99	63.2	42.2	78.4
83	85.3	58.4	108.6
85	55.3	36.3	67.5

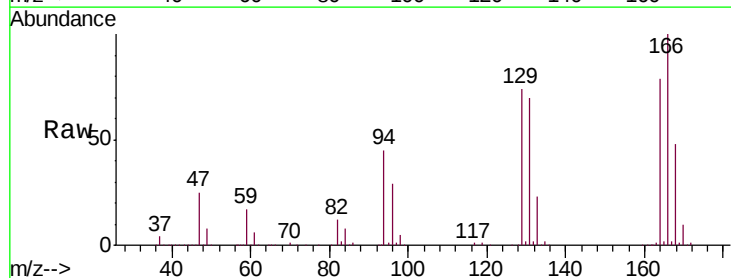


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

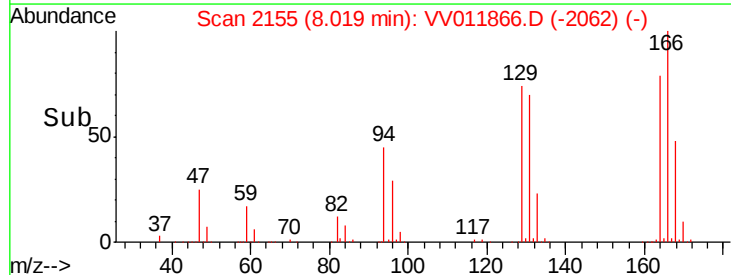
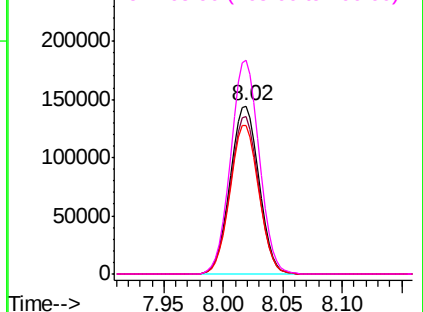


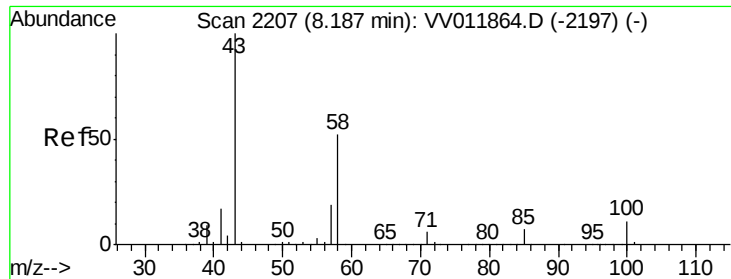
#47
 Tetrachloroethene
 Concen: 22.470 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. -0.00 min
 Lab File: VV011866.D
 Acq: 12 Jul 2019 12:26

Tgt Ion:	164	Resp:	242441
Ion	Ratio	Lower	Upper
164	100		
129	93.6	66.1	122.8
131	88.5	64.8	120.4
166	127.1	87.3	162.1



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



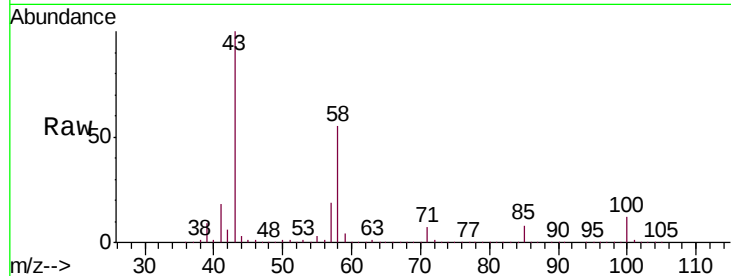


#48
2-Hexanone
Concen: 208.852 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. -0.00 min
Lab File: VV011866.D
Acq: 12 Jul 2019 12:26

Instrument :
MSVOA_V
ClientSampleId :
VSTD02033

Tgt Ion: 43 Resp: 1219544

Ion	Ratio	Lower	Upper
43	100		
58	54.4	40.6	61.0
57	18.4	14.4	21.6
100	12.2	8.8	13.2

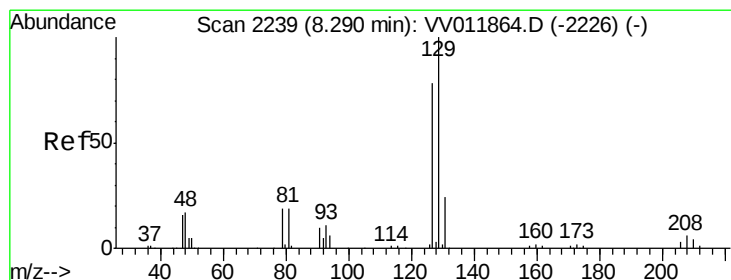
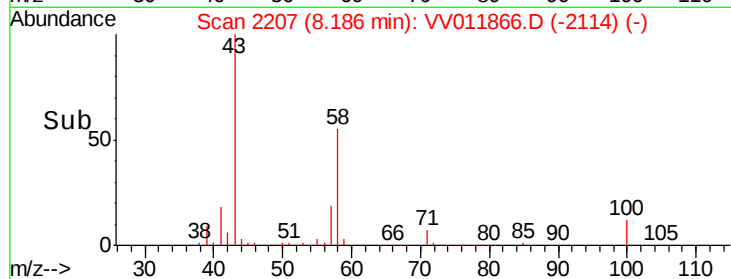
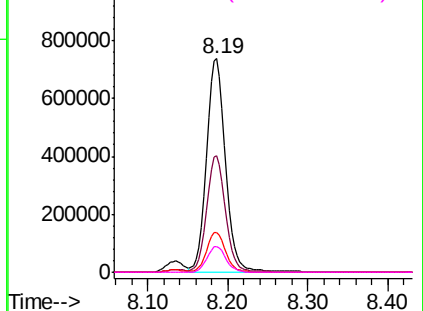


Abundance Ion 43.05 (42.75 to 43.75): VV011866.D (-2197) (-)

Ion 58.05 (57.75 to 58.75): VV011866.D (-2197) (-)

Ion 57.20 (56.90 to 57.90): VV011866.D (-2197) (-)

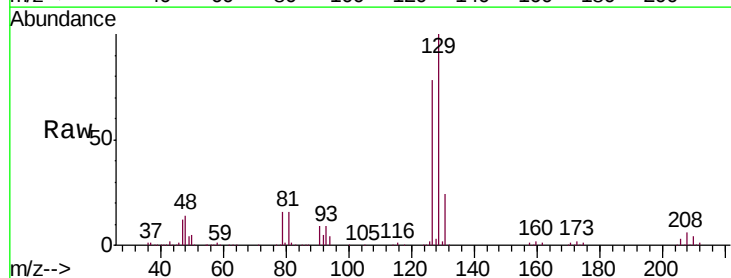
Ion 100.15 (99.85 to 100.85): VV011866.D (-2197) (-)



#49
Dibromochloromethane
Concen: 24.608 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV011866.D
Acq: 12 Jul 2019 12:26

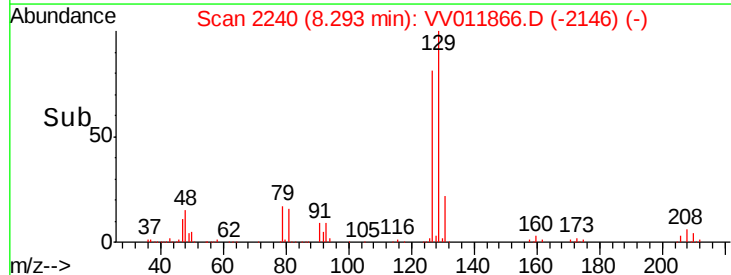
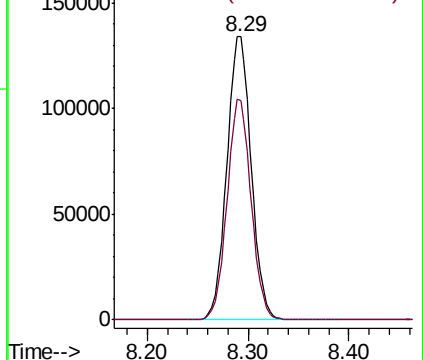
Tgt Ion: 129 Resp: 226878

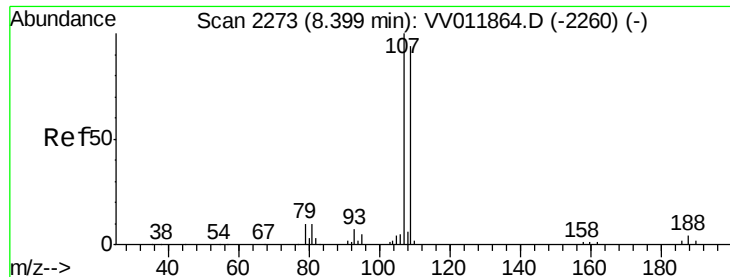
Ion	Ratio	Lower	Upper
129	100		
127	77.7	54.7	101.7



Abundance Ion 128.95 (128.65 to 129.65): VV011866.D (-2226) (-)

Ion 126.90 (126.60 to 127.60): VV011866.D (-2226) (-)

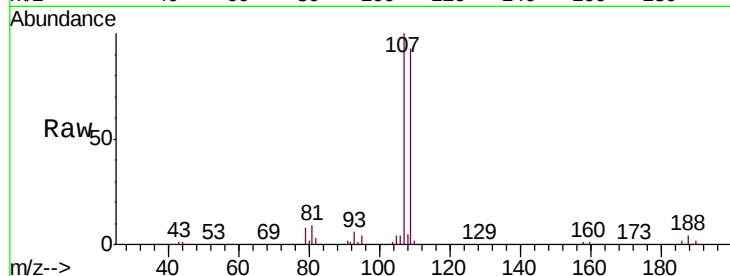




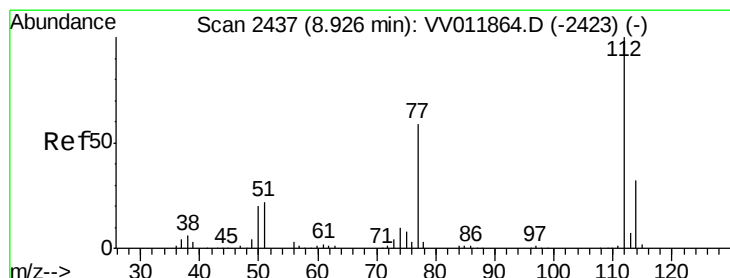
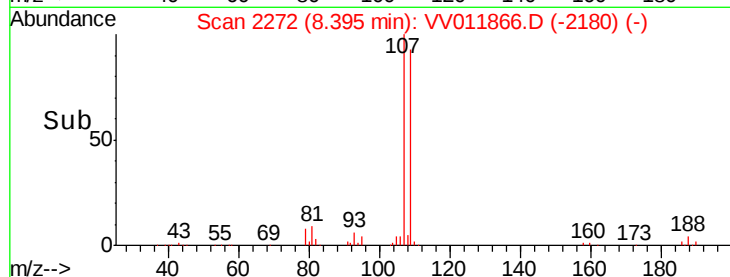
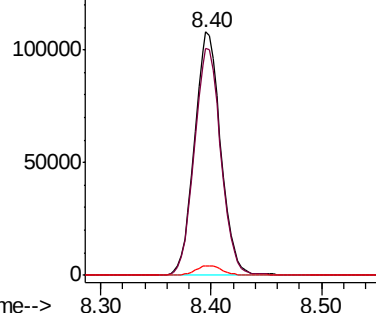
#50
1,2-Dibromoethane
Concen: 22.245 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VV011866.D
Acq: 12 Jul 2019 12:26

Instrument :
MSVOA_V
ClientSampleId :
VSTD02033

Tgt Ion:107 Resp: 178374
Ion Ratio Lower Upper
107 100
109 93.4 65.7 122.1
188 4.0 3.0 4.6

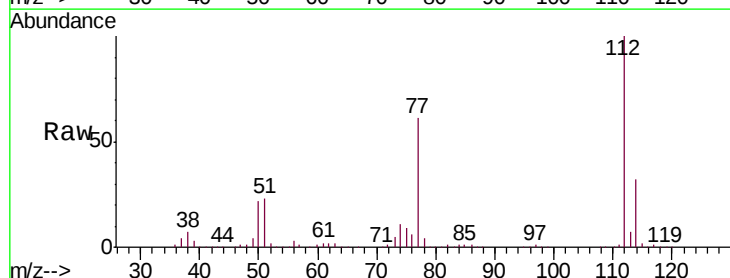


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

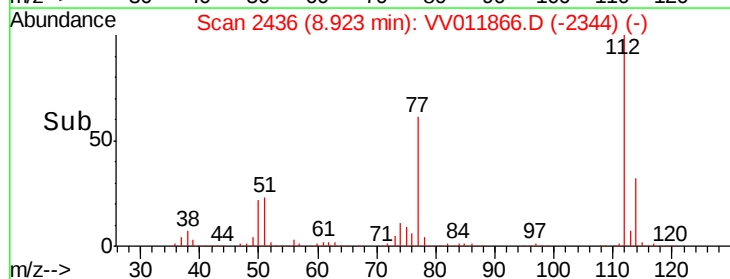
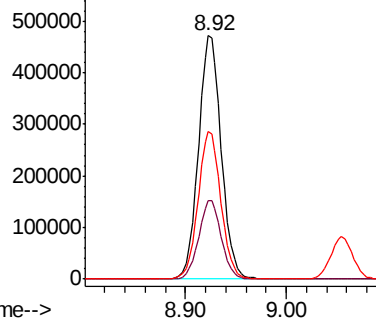


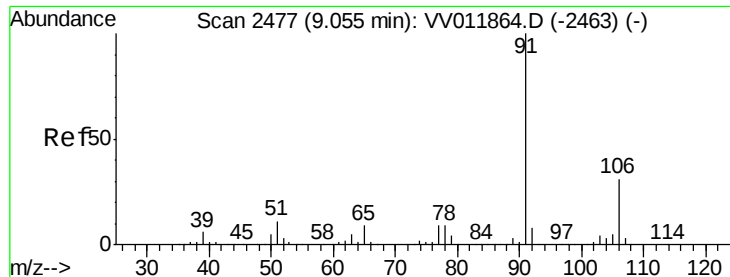
#51
Chlorobenzene
Concen: 21.152 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. -0.00 min
Lab File: VV011866.D
Acq: 12 Jul 2019 12:26

Tgt Ion:112 Resp: 744019
Ion Ratio Lower Upper
112 100
114 32.2 22.1 41.1
77 60.7 47.4 71.0



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

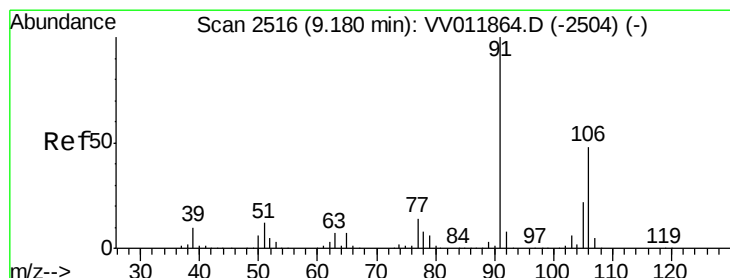
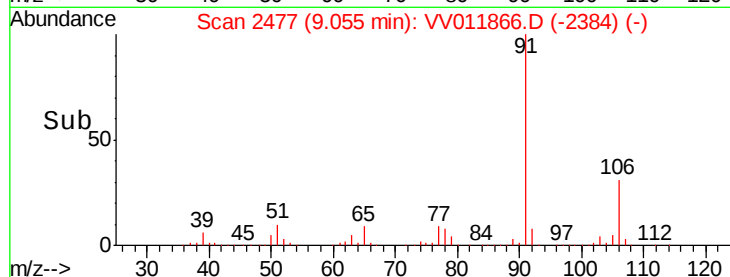
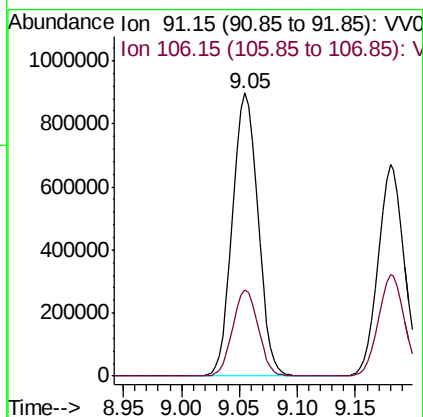
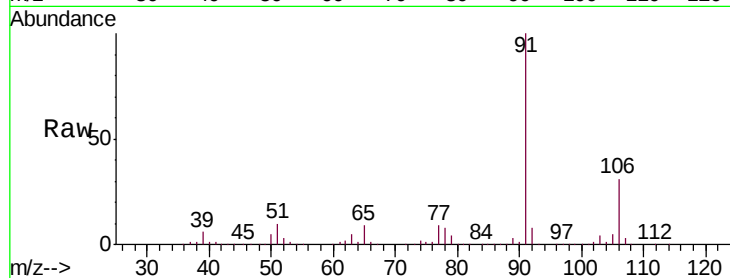




#52
Ethylbenzene
Concen: 22.232 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. -0.00 min
Lab File: VV011866.D
Acq: 12 Jul 2019 12:26

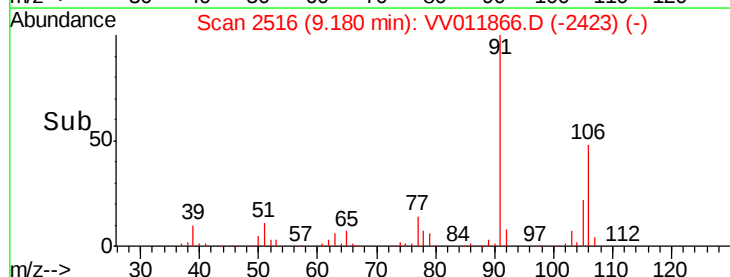
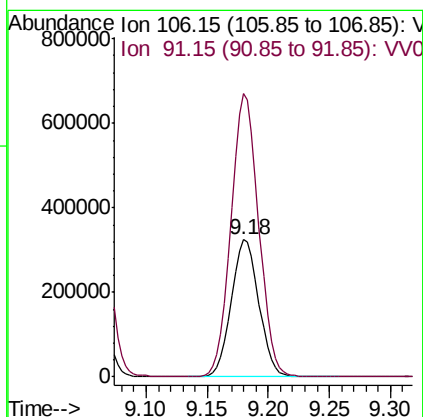
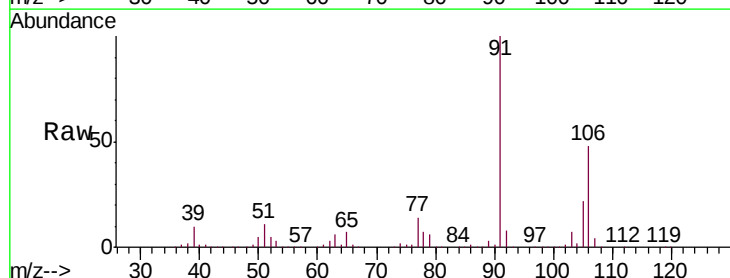
Instrument :
MSVOA_V
ClientSampleId :
VSTD02033

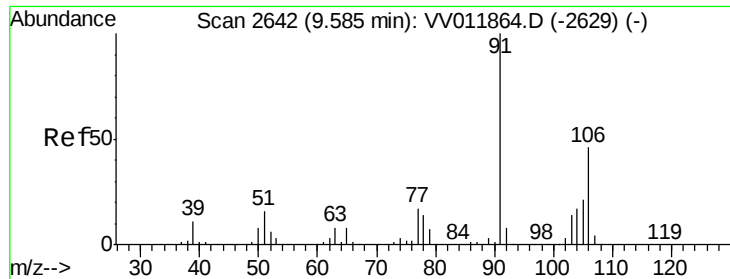
Tgt Ion: 91 Resp: 1372003
Ion Ratio Lower Upper
91 100
106 30.6 21.6 40.2



#53
m,p-xylene
Concen: 22.528 ug/L
RT: 9.18 min Scan# 2516
Delta R.T. -0.00 min
Lab File: VV011866.D
Acq: 12 Jul 2019 12:26

Tgt Ion: 106 Resp: 510201
Ion Ratio Lower Upper
106 100
91 206.7 145.0 269.2





#54

o-xylene

Concen: 22.670 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. -0.00 min

Lab File: VV011866.D

Acq: 12 Jul 2019 12:26

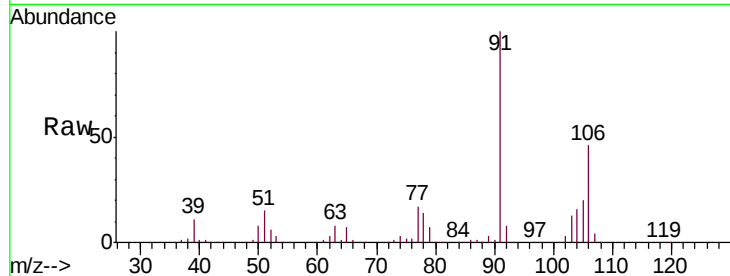
Instrument :
MSVOA_V
ClientSampleId :
VSTD02033

Tgt Ion:106 Resp: 492790

Ion Ratio Lower Upper

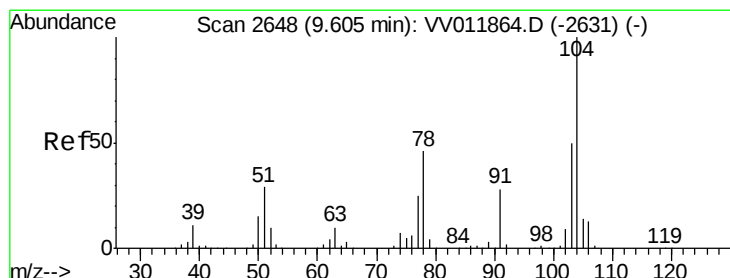
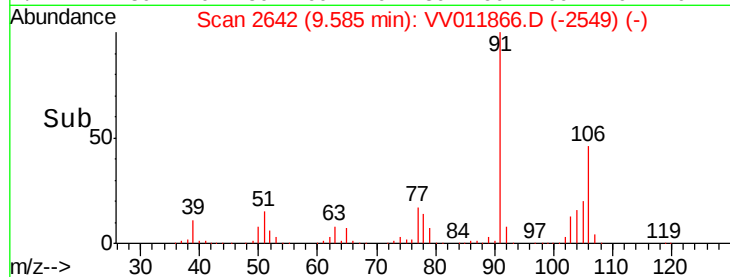
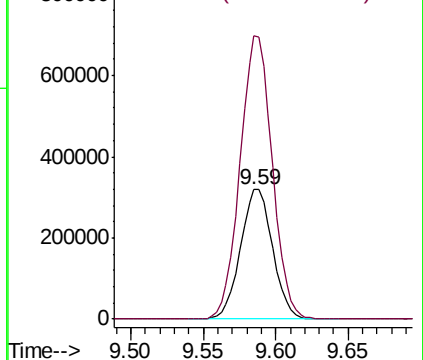
106 100

91 218.6 152.9 283.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 23.321 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. -0.00 min

Lab File: VV011866.D

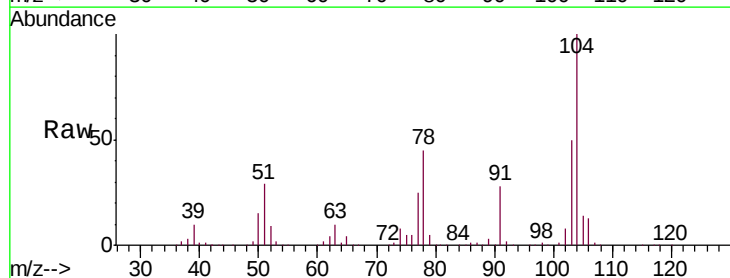
Acq: 12 Jul 2019 12:26

Tgt Ion:104 Resp: 851665

Ion Ratio Lower Upper

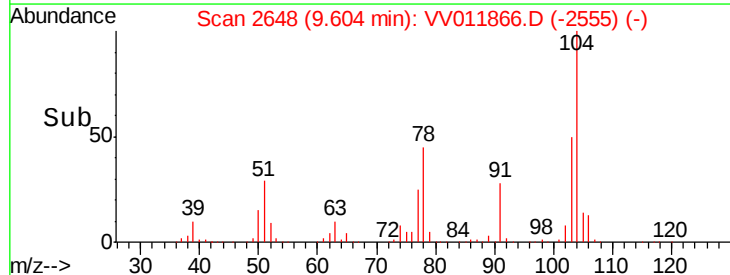
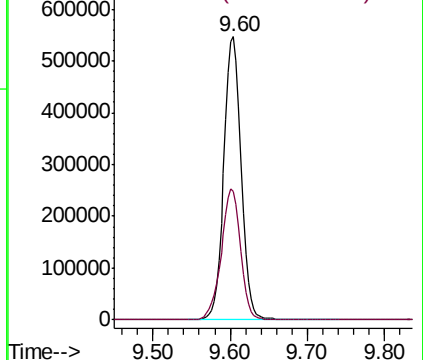
104 100

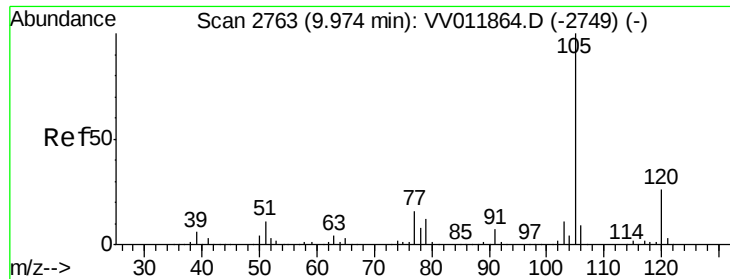
78 45.5 32.1 59.7



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 22.897 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV011866.D

Acq: 12 Jul 2019 12:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD02033

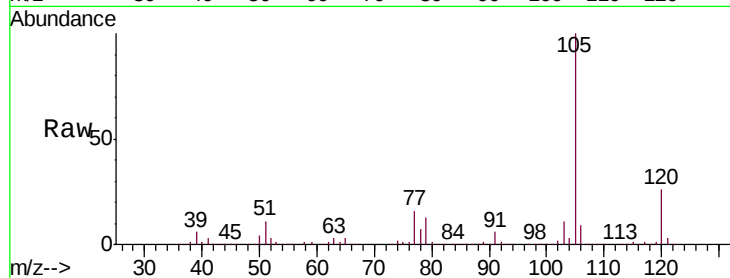
Tgt Ion: 105 Resp: 1348198

Ion Ratio Lower Upper

105 100

120 26.1 20.9 31.3

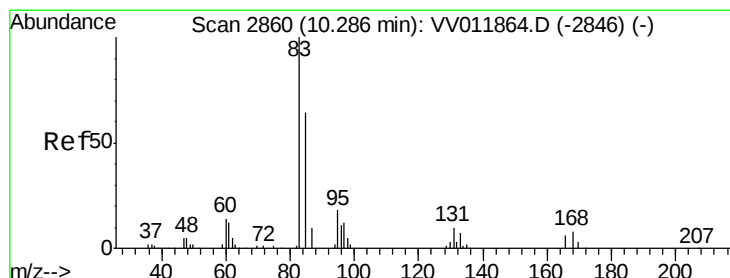
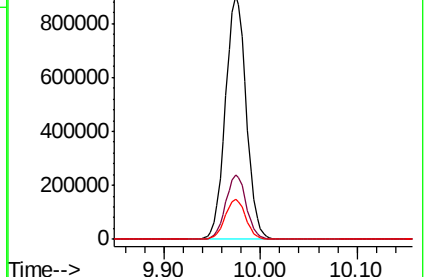
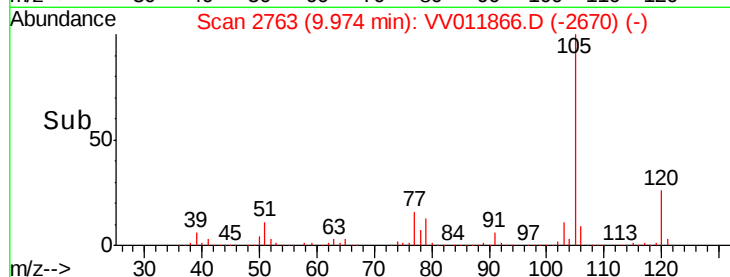
77 16.3 13.2 19.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 19.672 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VV011866.D

Acq: 12 Jul 2019 12:26

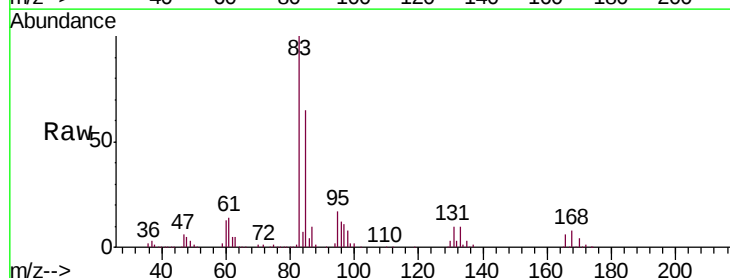
Tgt Ion: 83 Resp: 201675

Ion Ratio Lower Upper

83 100

85 64.7 45.0 83.6

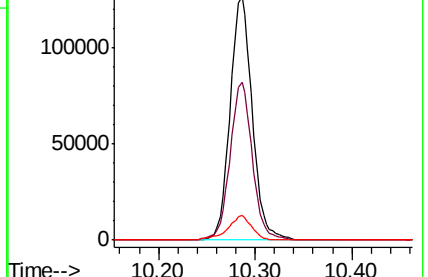
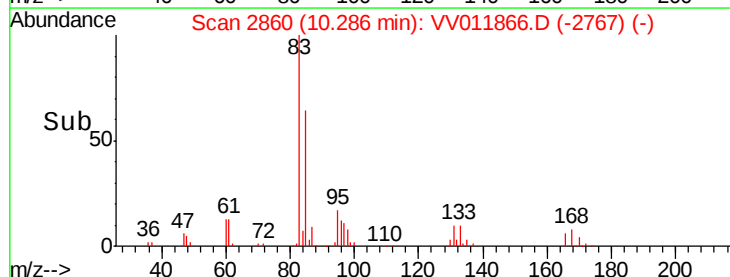
131 10.0 8.3 12.5

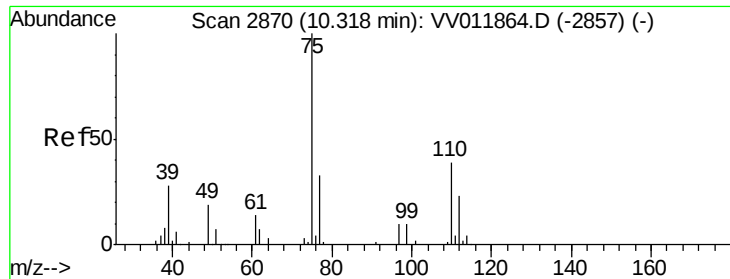


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 20.661 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. -0.00 min

Lab File: VV011866.D

Acq: 12 Jul 2019 12:26

Instrument :

MSVOA_V

ClientSampleId :

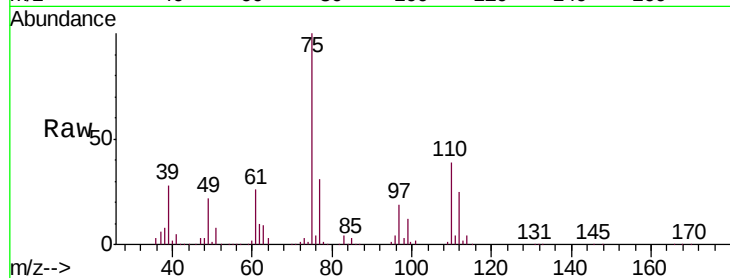
VSTD02033

Tgt Ion: 75 Resp: 160540

Ion Ratio Lower Upper

75 100

77 31.8 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VV011864.D (-2857) (-)

Ion 77.00 (76.70 to 77.70): VV011864.D (-2857) (-)

10.32

120000

100000

80000

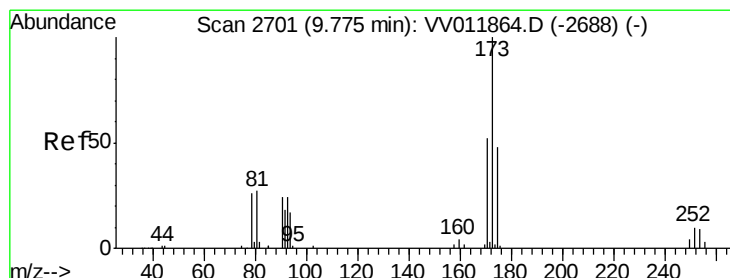
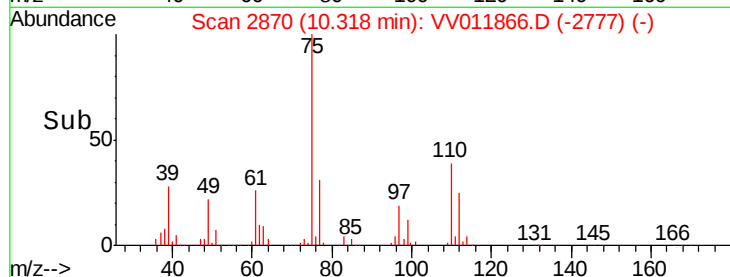
60000

40000

20000

0

Time-->



#61

Bromoform

Concen: 22.357 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VV011866.D

Acq: 12 Jul 2019 12:26

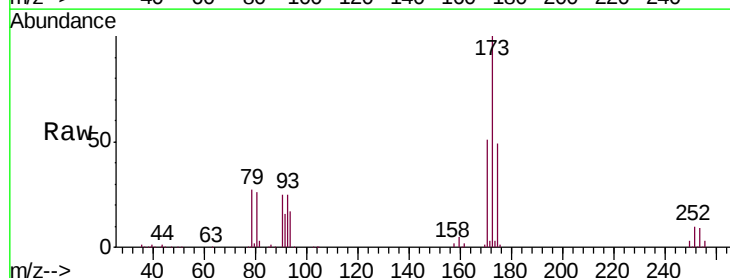
Tgt Ion: 173 Resp: 108905

Ion Ratio Lower Upper

173 100

175 48.9 39.4 59.0

254 9.3 7.4 11.0



Abundance Ion 172.90 (172.60 to 173.60): VV011864.D (-2688) (-)

Ion 174.90 (174.60 to 175.60): VV011864.D (-2688) (-)

Ion 253.75 (253.45 to 254.45): VV011864.D (-2688) (-)

9.77

80000

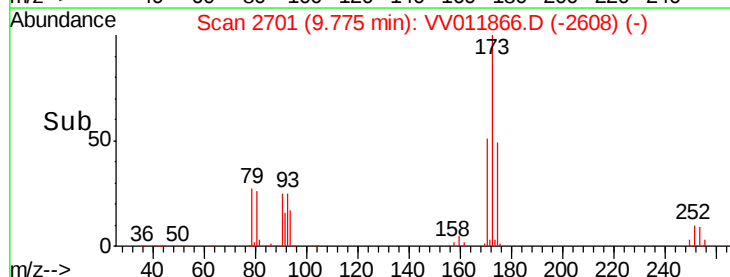
60000

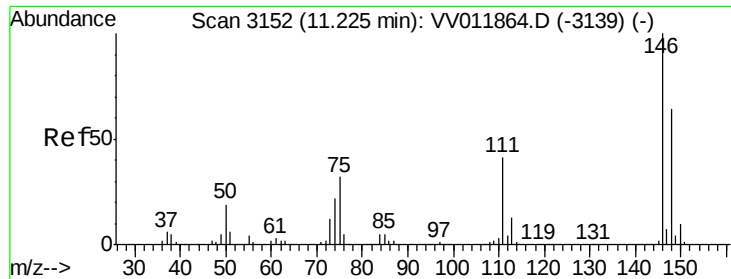
40000

20000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 20.918 ug/L

RT: 11.22 min Scan# 3152

Delta R.T. -0.00 min

Lab File: VV011866.D

Acq: 12 Jul 2019 12:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD02033

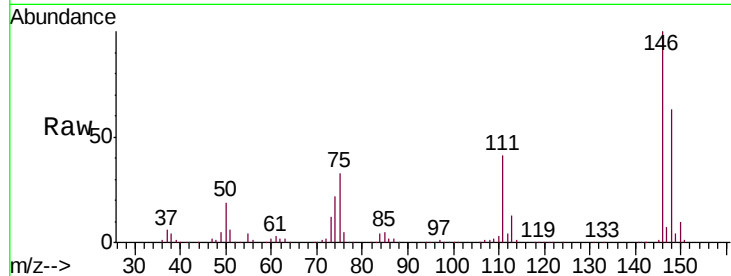
Tgt Ion:146 Resp: 586123

Ion Ratio Lower Upper

146 100

111 40.7 28.8 53.4

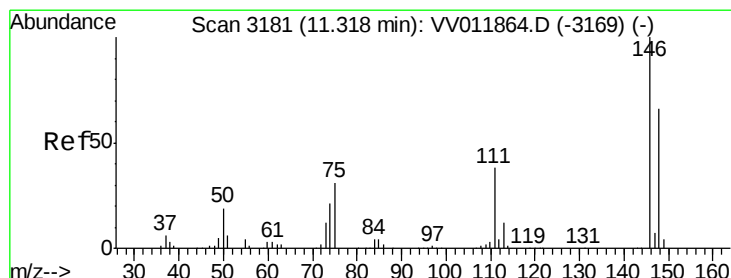
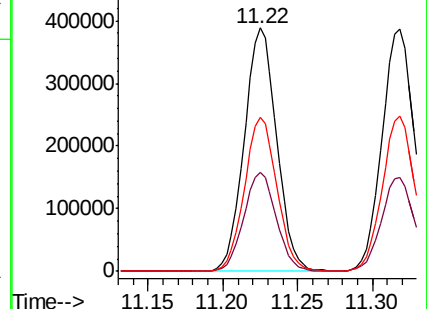
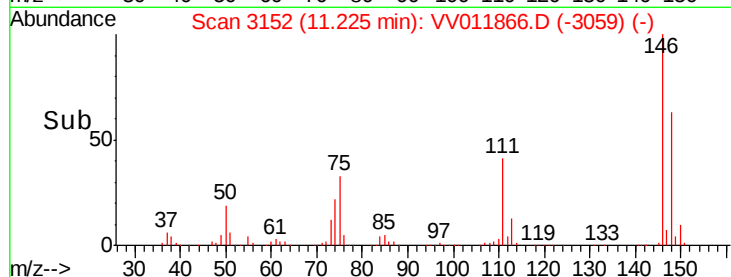
148 63.2 44.6 82.8



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: 20.580 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. -0.00 min

Lab File: VV011866.D

Acq: 12 Jul 2019 12:26

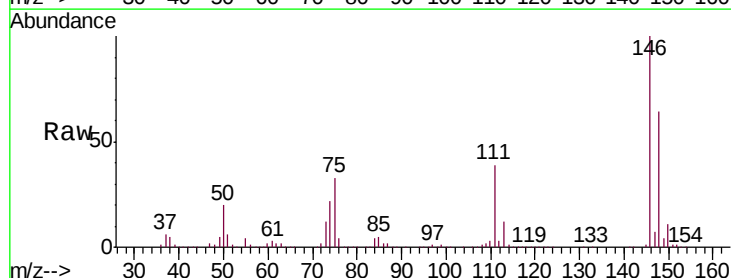
Tgt Ion:146 Resp: 590655

Ion Ratio Lower Upper

146 100

111 38.7 26.6 49.4

148 64.1 46.0 85.4



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

