

Data File : VV011867.D
Acq On : 12 Jul 2019 13:39
Operator : SY/MD
Sample : VSTDICV005
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VICV34

Quant Time: Jul 13 04:15:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Jul 13 04:09:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	190858	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	183415	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	90112	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	62954	4.39	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.80%
7) Chloroethane-d5	1.58	69	49694	4.38	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.60%
11) 1,1-Dichloroethene-d2	2.13	63	106685	4.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.40%
20) 2-Butanone-d5	3.95	46	147022	48.84	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.68%
24) Chloroform-d	4.40	84	118372	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.00%
26) 1,2-Dichloroethane-d4	5.08	65	62260	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.00%
32) Benzene-d6	5.10	84	234613	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.80%
36) 1,2-Dichloropropane-d6	6.12	67	70770	4.55	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.00%
41) Toluene-d8	7.36	98	221405	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.00%
43) trans-1,3-Dichloropropene-	7.66	79	26772	4.70	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.00%
46) 2-Hexanone-d5	8.14	63	110580	49.36	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.72%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	43384	4.50	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	75751	4.54	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	96032	5.113	ug/L 99
3) Chloromethane	1.25	50	91240	4.931	ug/L 98
5) Vinyl chloride	1.32	62	90033	4.994	ug/L 99
6) Bromomethane	1.54	94	51649	5.022	ug/L 96
8) Chloroethane	1.60	64	52941	4.936	ug/L 100
9) Trichlorofluoromethane	1.77	101	119624	5.085	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	57657	5.188	ug/L 98
12) 1,1-Dichloroethene	2.14	96	51984	5.098	ug/L 97
13) Acetone	2.21	43	98459	53.348	ug/L 98
14) Carbon disulfide	2.32	76	162576	5.928	ug/L 98
15) Methyl Acetate	2.47	43	21724	4.951	ug/L 99
16) Methylene chloride	2.53	84	50781	4.701	ug/L 97
17) Methyl tert-butyl Ether	2.81	73	158486	5.380	ug/L 97
18) trans-1,2-Dichloroethene	2.78	96	71411	5.271	ug/L 91
19) 1,1-Dichloroethane	3.23	63	137010	5.354	ug/L 99
21) 2-Butanone	4.04	43	186674	55.756	ug/L 98
22) cis-1,2-Dichloroethene	3.96	96	75673	5.214	ug/L 93

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MSVOA_V
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VICV34

Quant Time: Jul 13 04:15:06 2019
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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Jul 13 04:09:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	31117	5.072	ug/L	92
25) Chloroform	4.42	83	138483	4.907	ug/L	97
27) 1,2-Dichloroethane	5.18	62	86330	5.315	ug/L	97
29) 1,1,1-Trichloroethane	4.66	97	116845	5.054	ug/L	98
30) Cyclohexane	4.72	56	125510	5.288	ug/L	96
31) Carbon tetrachloride	4.87	117	100791	5.099	ug/L	99
33) Benzene	5.14	78	295131	5.169	ug/L	100
34) Trichloroethene	5.96	95	81366	4.995	ug/L	96
35) Methylcyclohexane	6.17	83	128990	5.394	ug/L	98
37) 1,2-Dichloropropane	6.22	63	74907	5.241	ug/L	98
38) Bromodichloromethane	6.55	83	86570	5.006	ug/L #	98
39) cis-1,3-Dichloropropene	7.07	75	103908	5.306	ug/L	98
40) 4-Methyl-2-pentanone	7.27	43	461882	54.362	ug/L	100
42) Toluene	7.43	91	322161	5.375	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	80119	5.280	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	47696	4.984	ug/L	95
47) Tetrachloroethene	8.02	164	60990	5.083	ug/L	99
48) 2-Hexanone	8.19	43	333474	54.639	ug/L	100
49) Dibromochloromethane	8.29	129	52979	5.034	ug/L	100
50) 1,2-Dibromoethane	8.40	107	45449	5.144	ug/L	100
51) Chlorobenzene	8.92	112	199053	5.134	ug/L	97
52) Ethylbenzene	9.05	91	350395	5.291	ug/L	99
53) m,p-xylene	9.18	106	134496	5.503	ug/L	96
54) o-xylene	9.59	106	125142	5.370	ug/L	99
55) Styrene	9.60	104	216239	5.501	ug/L	99
56) Isopropylbenzene	9.97	105	343329	5.399	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	47267	5.011	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	41190	4.847	ug/L	100
61) Bromoform	9.77	173	25750	5.144	ug/L	98
62) 1,3-Dichlorobenzene	11.22	146	152522	5.241	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	154342	5.122	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	143560	5.213	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	8311	4.909	ug/L	90
67) 1,3,5-Trichlorobenzene	12.69	180	121048	5.292	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	98283	5.426	ug/L	100
69) Naphthalene	13.55	128	152346	5.695	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	90477	5.500	ug/L	99

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

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ALS Vial      : 7      Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
VICV34

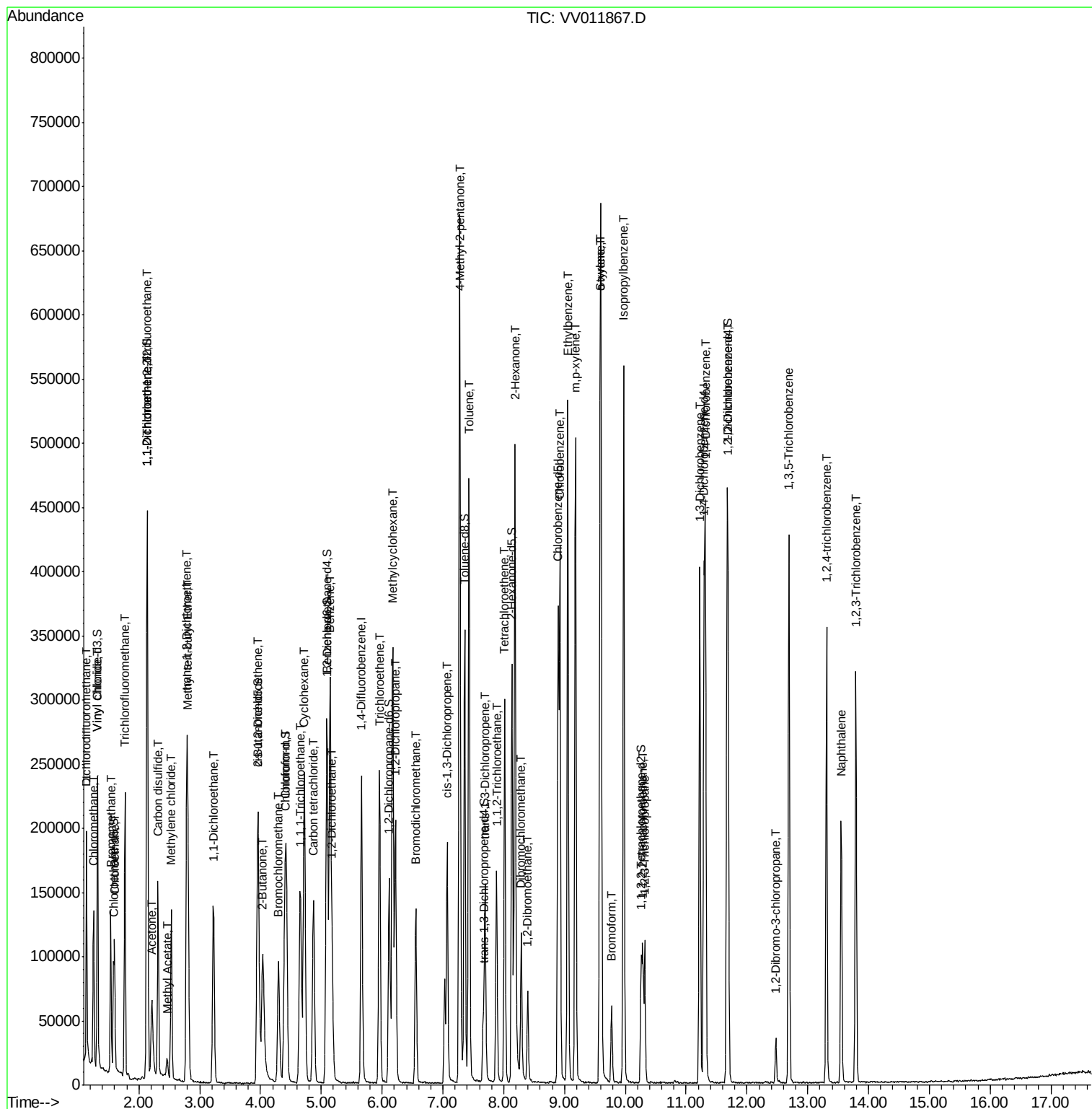
Quant Time: Jul 13 04:15:06 2019

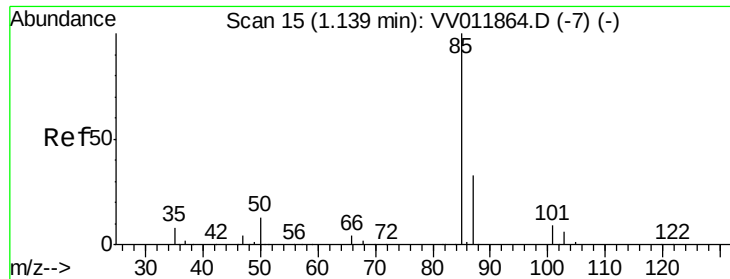
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVTR071219WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Sat Jul 13 04:09:55 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 5.113 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV011867.D

Acq: 12 Jul 2019 13:39

Instrument :

MSVOA_V

ClientSampled :

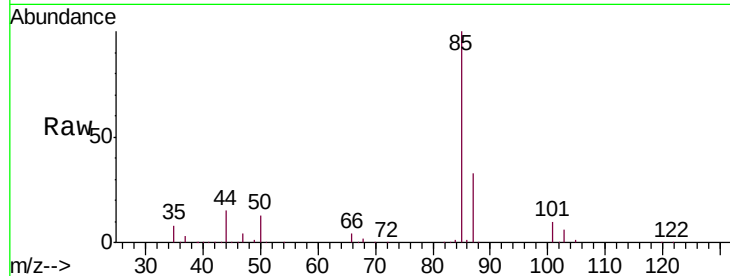
VICV34

Tgt Ion: 85 Resp: 96032

Ion Ratio Lower Upper

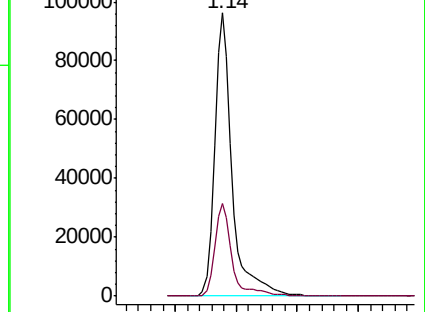
85 100

87 32.4 26.5 39.7

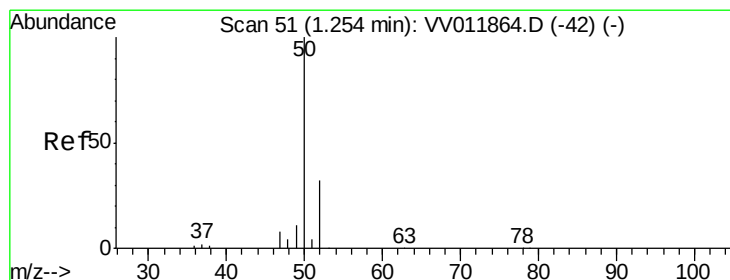
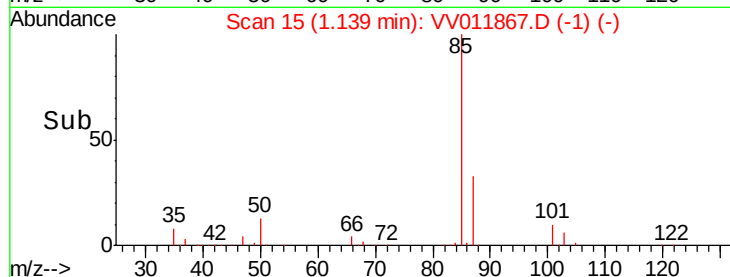


Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



Time-->



#3

Chloromethane

Concen: 4.931 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV011867.D

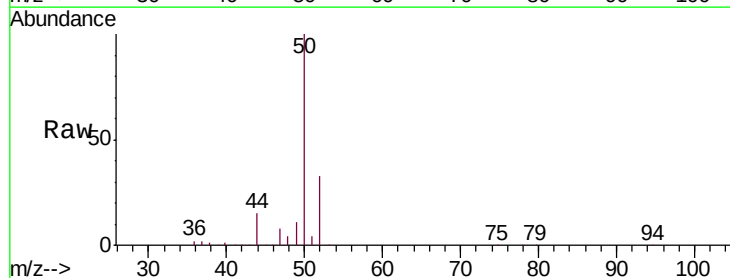
Acq: 12 Jul 2019 13:39

Tgt Ion: 50 Resp: 91240

Ion Ratio Lower Upper

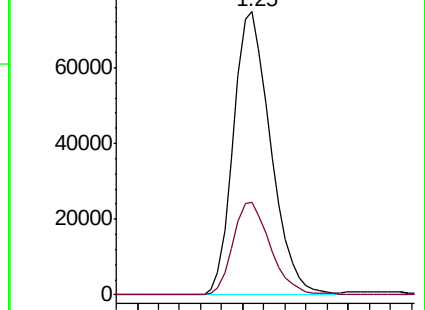
50 100

52 32.7 22.0 41.0

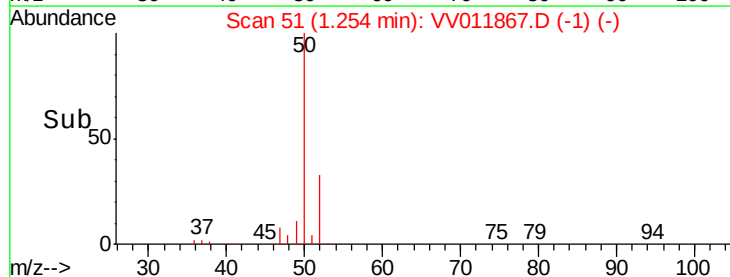


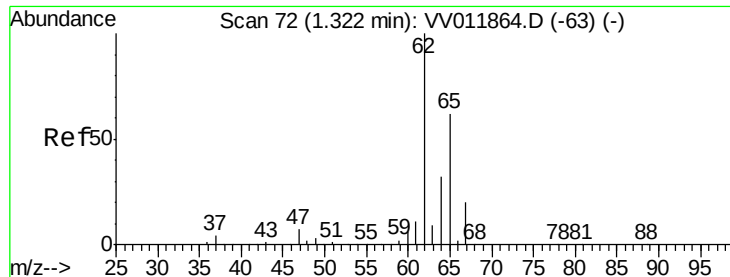
Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0



Time-->





#5

Vinyl chloride

Concen: 4.994 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV011867.D

Acq: 12 Jul 2019 13:39

Instrument :

MSVOA_V

ClientSampleId :

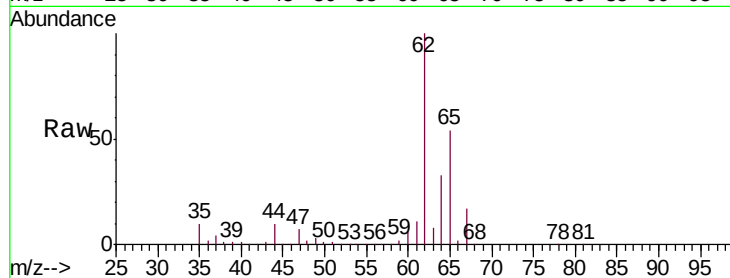
VICV34

Tgt Ion: 62 Resp: 90033

Ion Ratio Lower Upper

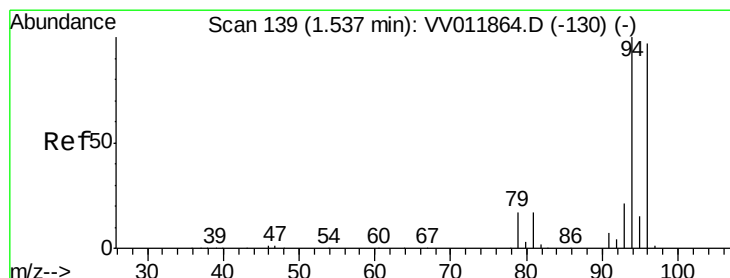
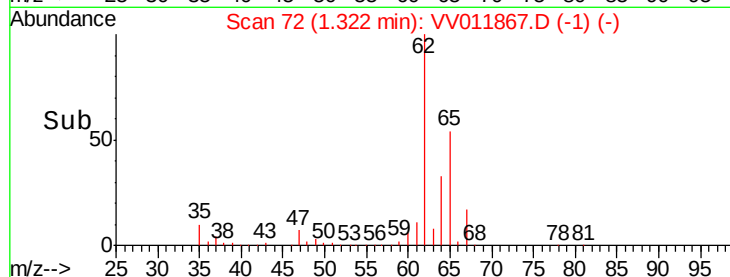
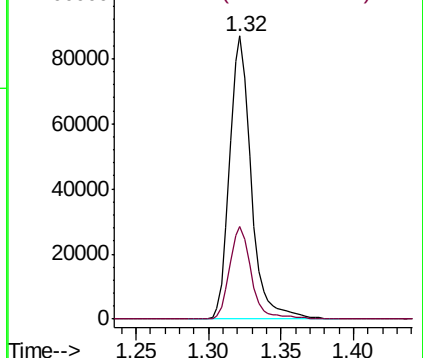
62 100

64 32.9 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 5.022 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV011867.D

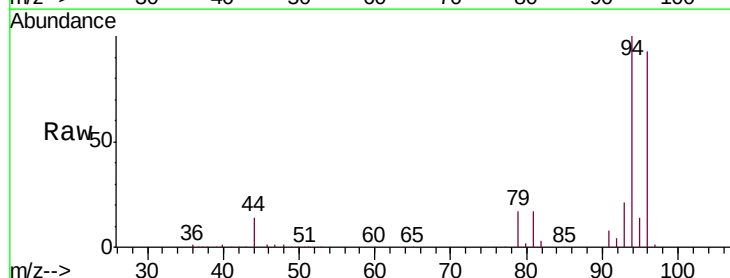
Acq: 12 Jul 2019 13:39

Tgt Ion: 94 Resp: 51649

Ion Ratio Lower Upper

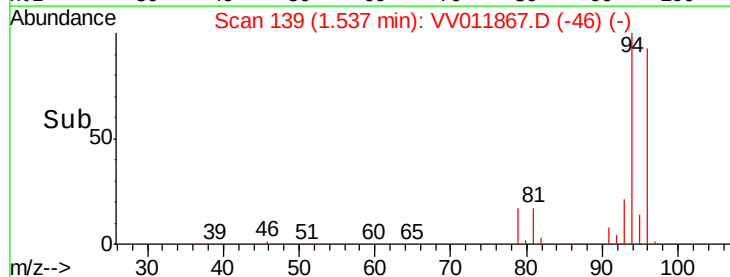
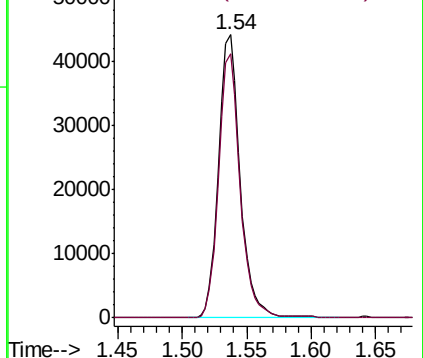
94 100

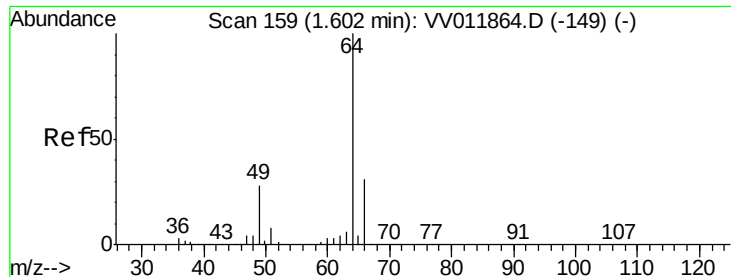
96 93.4 67.9 126.1



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 4.936 ug/L

RT: 1.60 min Scan# 159

Delta R.T. -0.00 min

Lab File: VV011867.D

Acq: 12 Jul 2019 13:39

Instrument :

MSVOA_V

ClientSampleId :

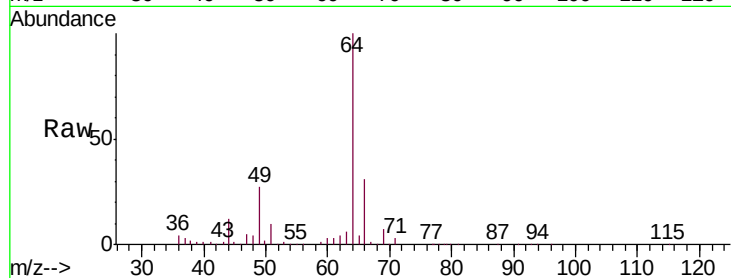
VICV34

Tgt Ion: 64 Resp: 52941

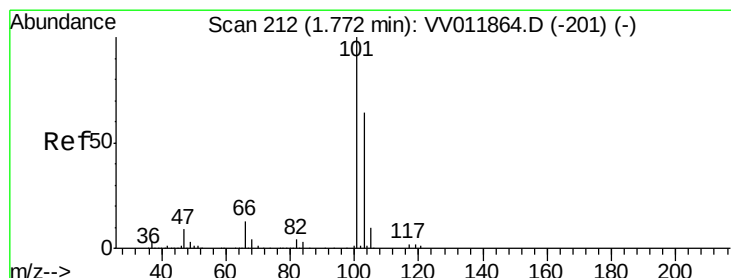
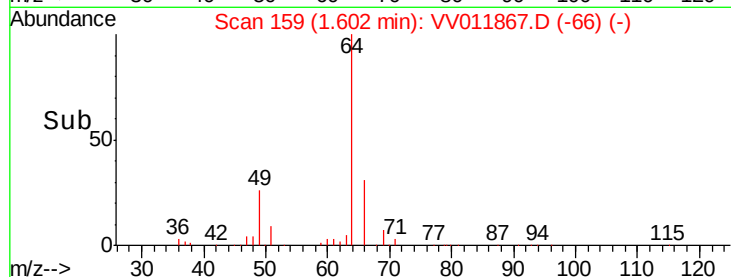
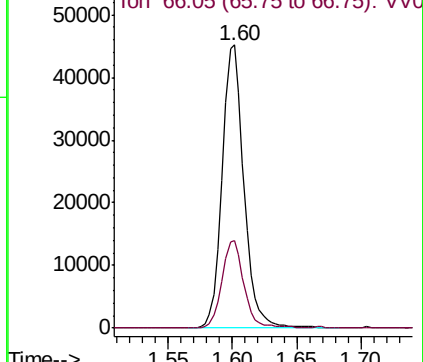
Ion Ratio Lower Upper

64 100

66 31.1 21.8 40.4



Abundance Ion 64.10 (63.80 to 64.80): VV011867.D (-66) (-)



#9

Trichlorofluoromethane

Concen: 5.085 ug/L

RT: 1.77 min Scan# 211

Delta R.T. -0.00 min

Lab File: VV011867.D

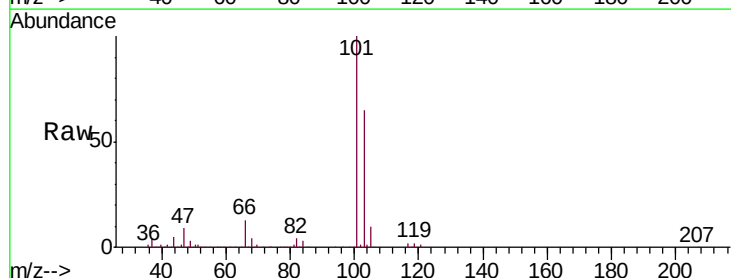
Acq: 12 Jul 2019 13:39

Tgt Ion: 101 Resp: 119624

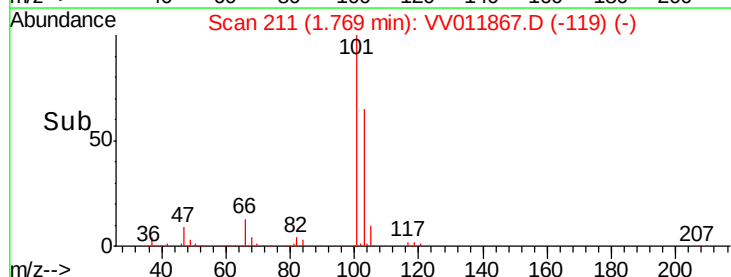
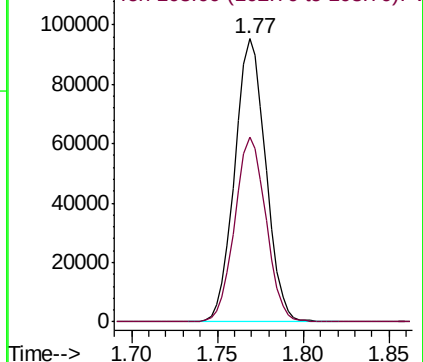
Ion Ratio Lower Upper

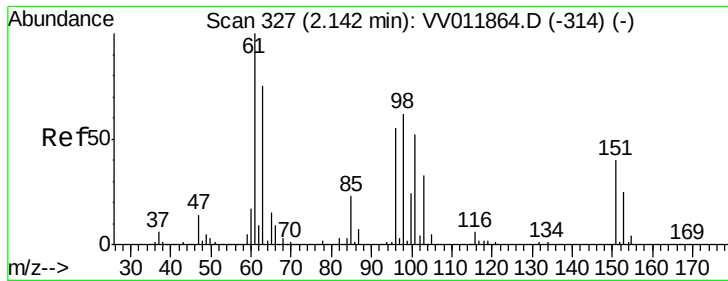
101 100

103 65.4 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VV011867.D (-119) (-)





#10

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

Concen: 5.188 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV011867.D

Acq: 12 Jul 2019 13:39

Instrument :

MSVOA_V

ClientSampleId :

VICV34

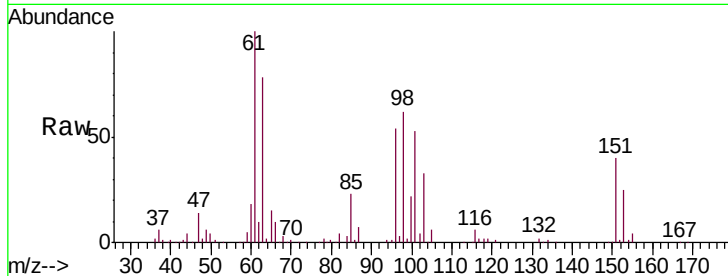
Tgt Ion:101 Resp: 57657

Ion Ratio Lower Upper

101 100

85 44.7 34.8 52.2

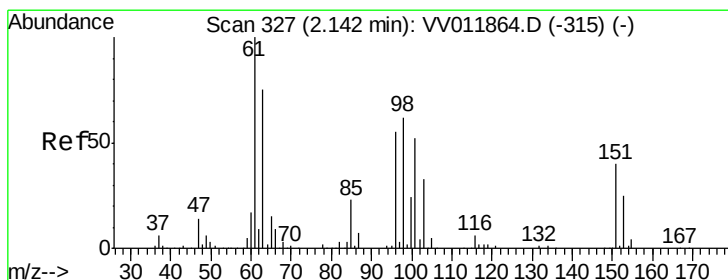
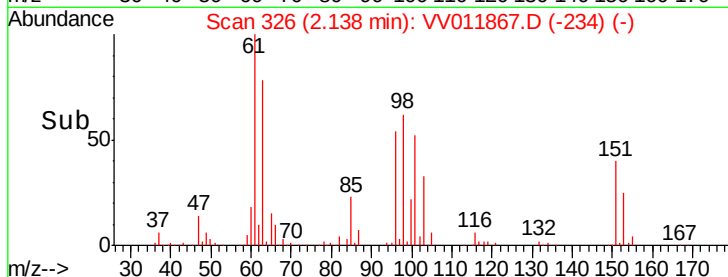
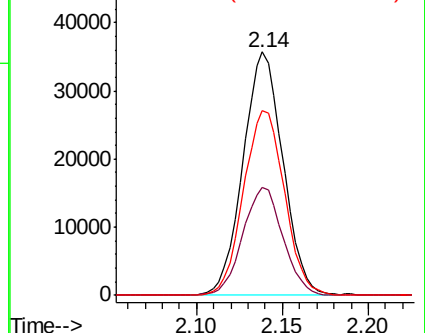
151 78.0 60.8 91.2



Abundance Ion 101.00 (100.70 to 101.70): VV011867.D (-234) (-)

Ion 85.00 (84.70 to 85.70): VV011867.D (-234) (-)

Ion 151.00 (150.70 to 151.70): VV011867.D (-234) (-)



#12

1,1-Dichloroethene

Concen: 5.098 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV011867.D

Acq: 12 Jul 2019 13:39

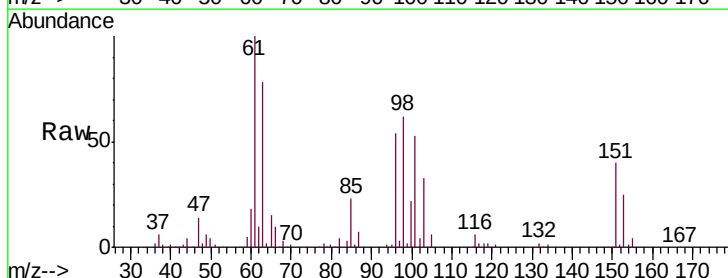
Tgt Ion: 96 Resp: 51984

Ion Ratio Lower Upper

96 100

61 185.2 128.1 237.9

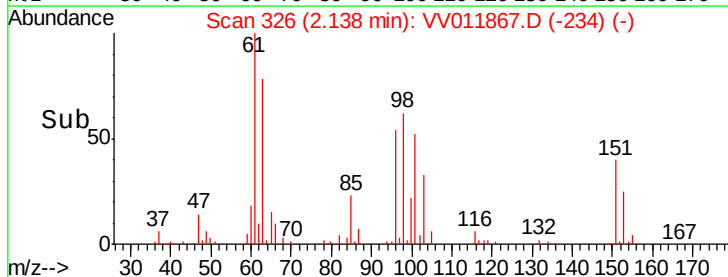
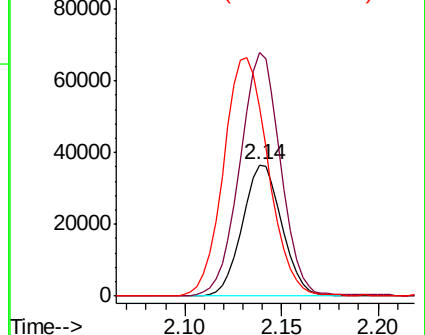
63 143.5 96.7 179.5

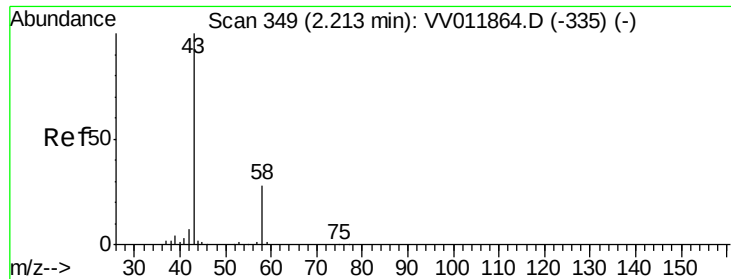


Abundance Ion 96.00 (95.70 to 96.70): VV011867.D (-234) (-)

Ion 61.05 (60.75 to 61.75): VV011867.D (-234) (-)

Ion 63.00 (62.70 to 63.70): VV011867.D (-234) (-)





#13

Acetone

Concen: 53.348 ug/L

RT: 2.21 min Scan# 349

Delta R.T. -0.00 min

Lab File: VV011867.D

Acq: 12 Jul 2019 13:39

Instrument :

MSVOA_V

ClientSampleId :

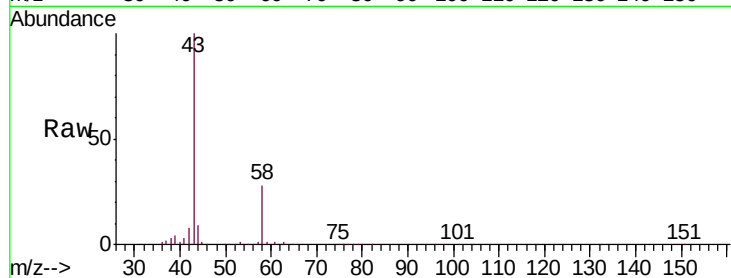
VICV34

Tgt Ion: 43 Resp: 98459

Ion Ratio Lower Upper

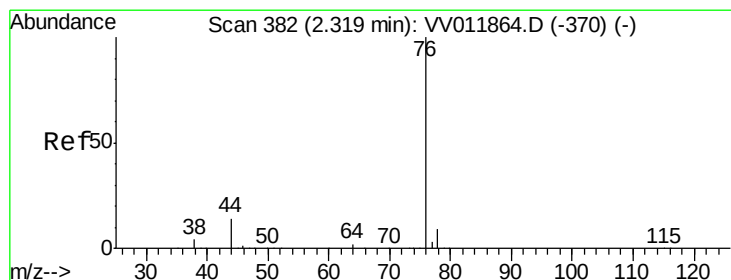
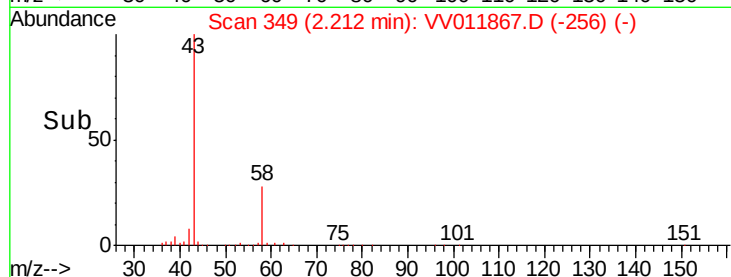
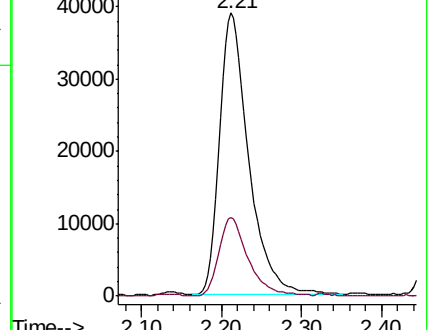
43 100

58 28.1 0.0 58.4



Abundance Ion 43.05 (42.75 to 43.75): VV011864.D (-335) (-)

Ion 58.05 (57.75 to 58.75): VV011864.D (-335) (-)



#14

Carbon disulfide

Concen: 5.928 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV011867.D

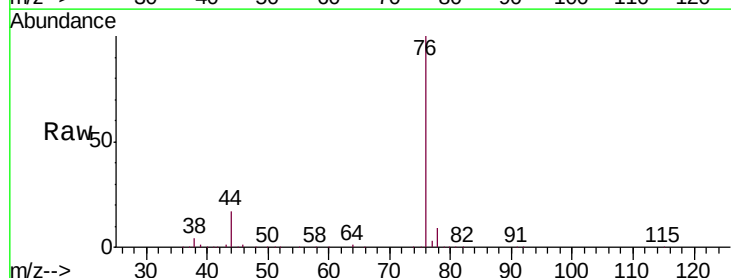
Acq: 12 Jul 2019 13:39

Tgt Ion: 76 Resp: 162576

Ion Ratio Lower Upper

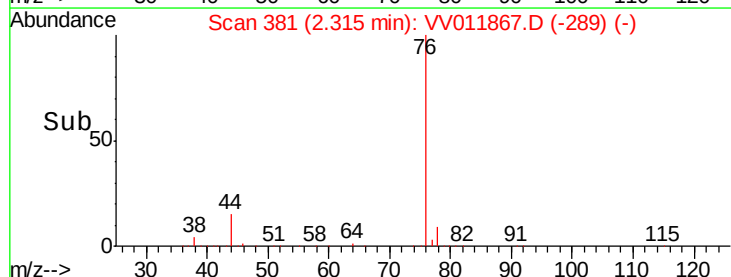
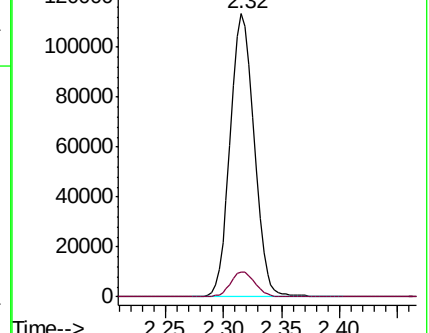
76 100

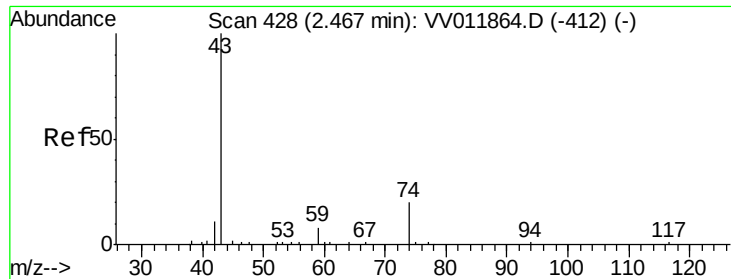
78 8.9 7.6 11.4



Abundance Ion 76.05 (75.75 to 76.75): VV011864.D (-370) (-)

Ion 78.00 (77.70 to 78.70): VV011864.D (-370) (-)

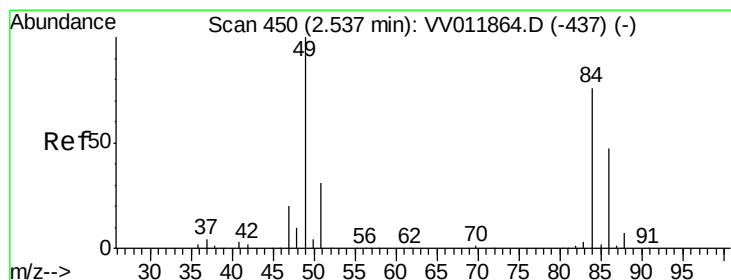
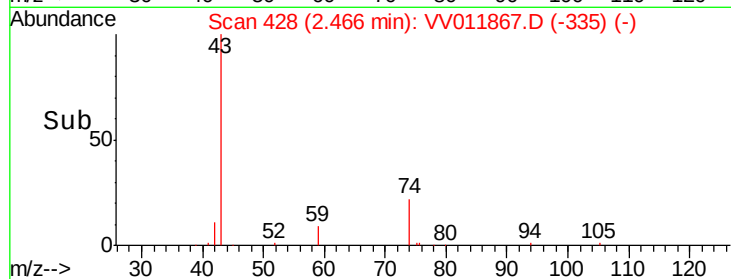
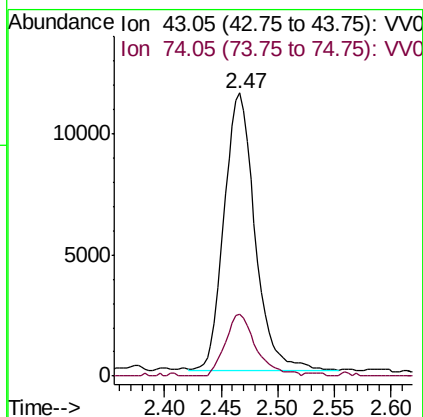
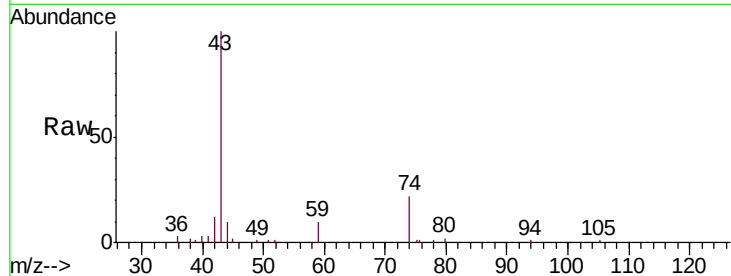




#15
Methyl Acetate
Concen: 4.951 ug/L
RT: 2.47 min Scan# 428
Delta R.T. -0.00 min
Lab File: VV011867.D
Acq: 12 Jul 2019 13:39

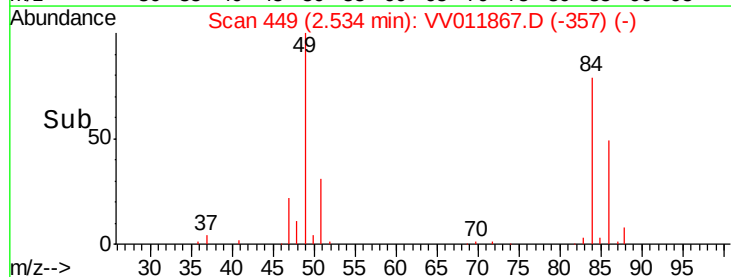
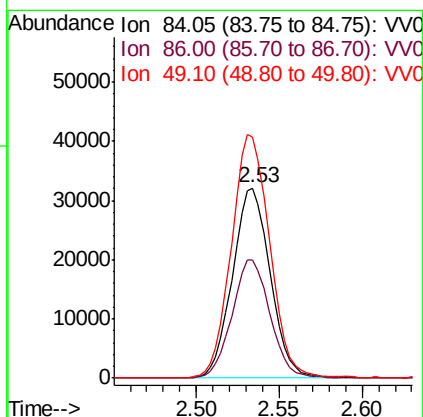
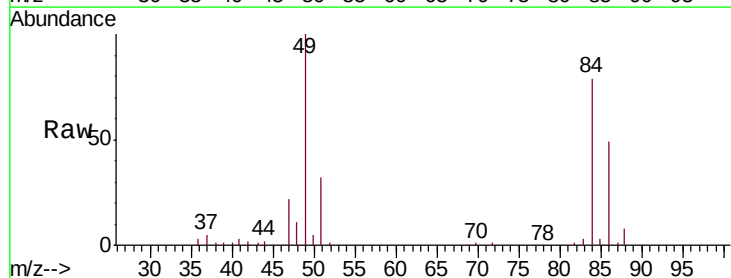
Instrument :
MSVOA_V
ClientSampleId :
VICV34

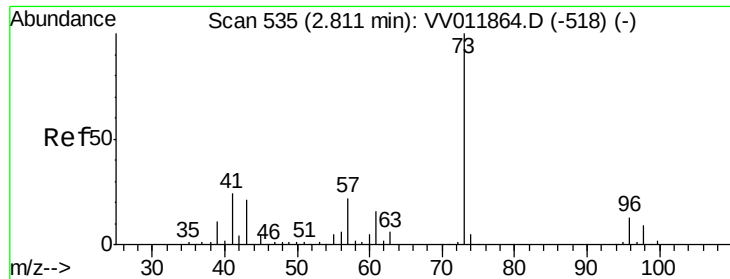
Tgt Ion: 43 Resp: 21724
Ion Ratio Lower Upper
43 100
74 22.3 17.4 26.0



#16
Methylene chloride
Concen: 4.701 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV011867.D
Acq: 12 Jul 2019 13:39

Tgt Ion: 84 Resp: 50781
Ion Ratio Lower Upper
84 100
86 62.3 43.9 81.5
49 126.9 92.6 172.0

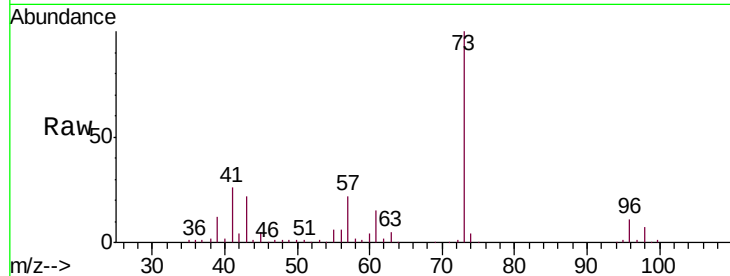




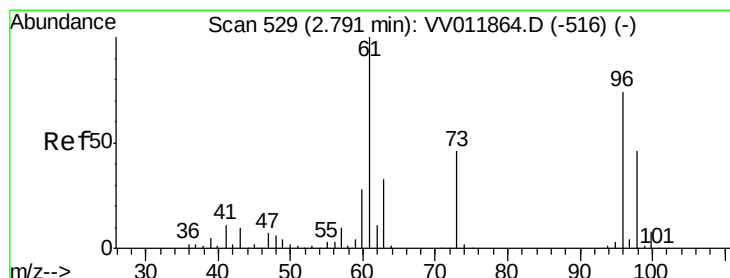
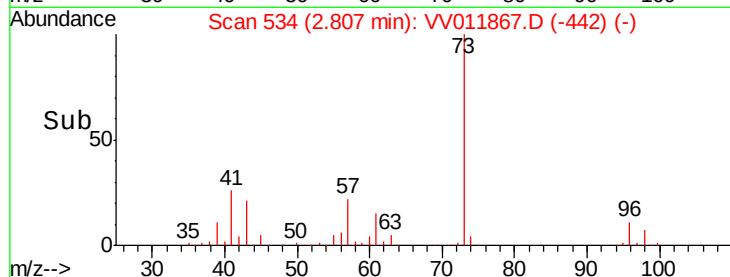
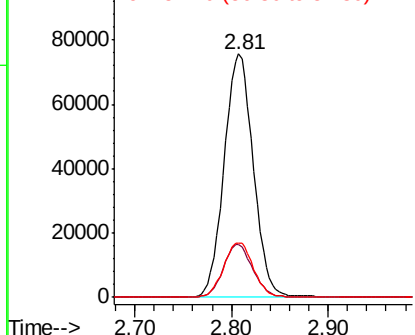
#17
Methyl tert-butyl Ether
Concen: 5.380 ug/L
RT: 2.81 min Scan# 534
Delta R.T. -0.00 min
Lab File: VV011867.D
Acq: 12 Jul 2019 13:39

Instrument :
MSVOA_V
ClientSampleId :
VICV34

Tgt Ion: 73 Resp: 158486
Ion Ratio Lower Upper
73 100
43 22.2 16.3 24.5
57 23.0 17.4 26.0

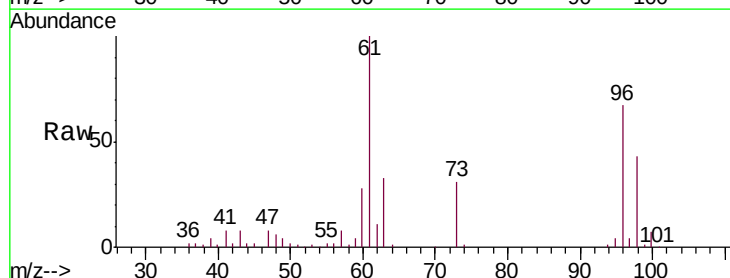


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

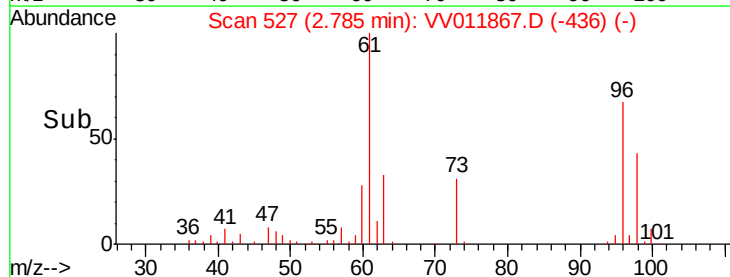
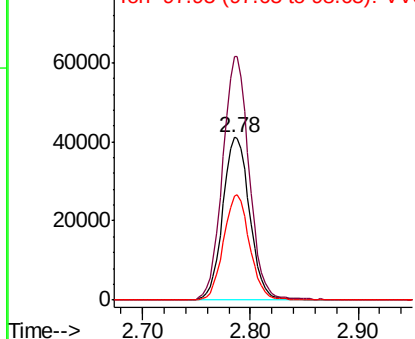


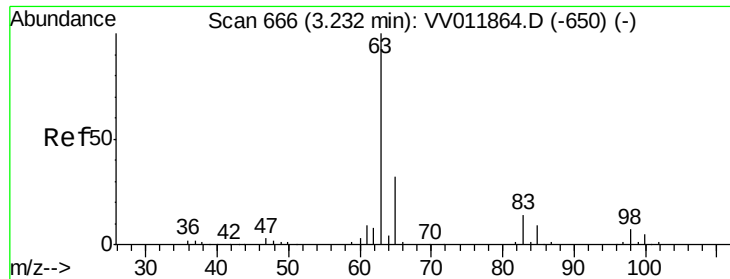
#18
trans-1,2-Dichloroethene
Concen: 5.271 ug/L
RT: 2.78 min Scan# 527
Delta R.T. -0.01 min
Lab File: VV011867.D
Acq: 12 Jul 2019 13:39

Tgt Ion: 96 Resp: 71411
Ion Ratio Lower Upper
96 100
61 149.7 94.8 176.2
98 63.7 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

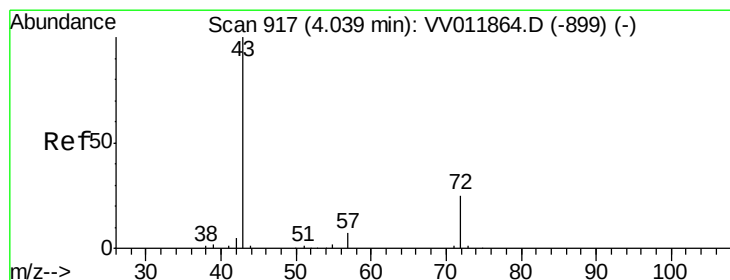
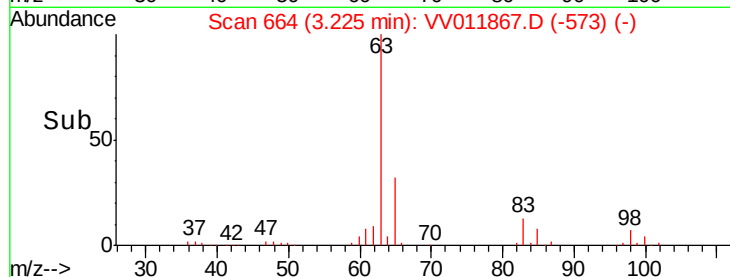
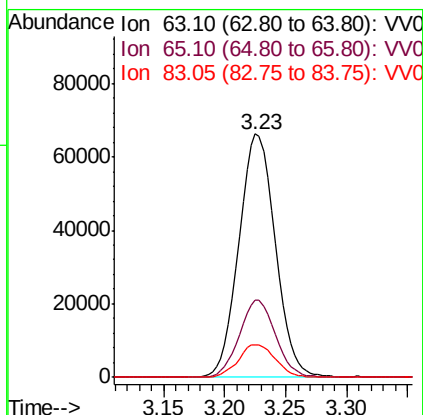
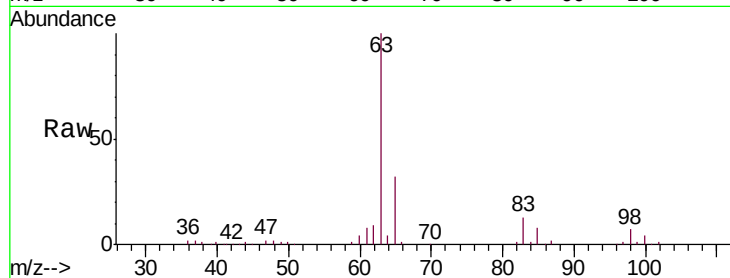




#19
 1,1-Dichloroethane
 Concen: 5.354 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. -0.01 min
 Lab File: VV011867.D
 Acq: 12 Jul 2019 13:39

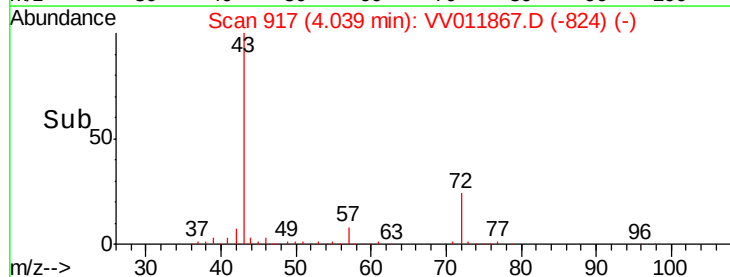
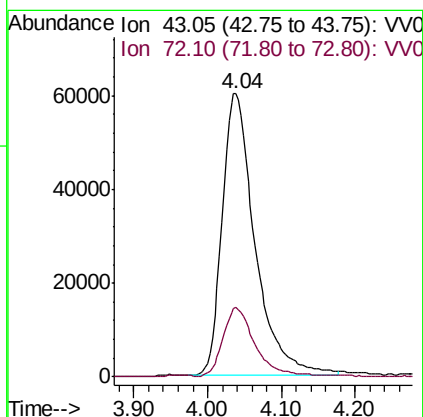
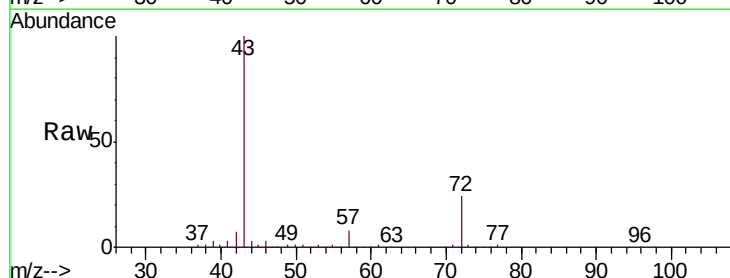
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV34

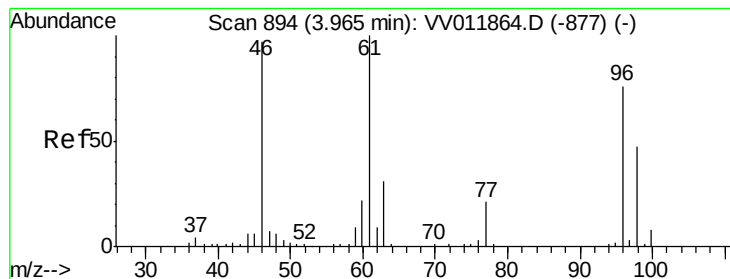
Tgt Ion: 63 Resp: 137010
 Ion Ratio Lower Upper
 63 100
 65 31.6 22.6 42.0
 83 13.4 10.0 18.6



#21
 2-Butanone
 Concen: 55.756 ug/L
 RT: 4.04 min Scan# 917
 Delta R.T. -0.00 min
 Lab File: VV011867.D
 Acq: 12 Jul 2019 13:39

Tgt Ion: 43 Resp: 186674
 Ion Ratio Lower Upper
 43 100
 72 23.2 12.2 36.4



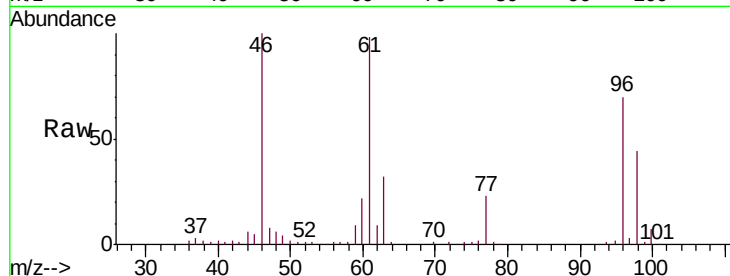


#22

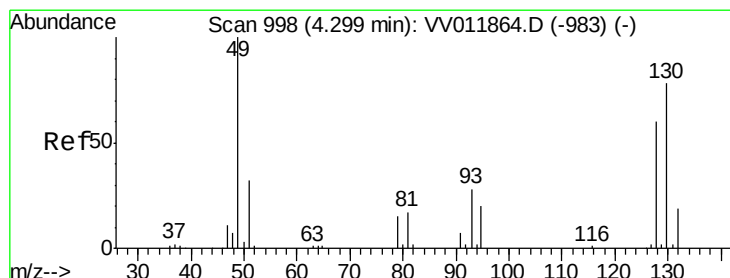
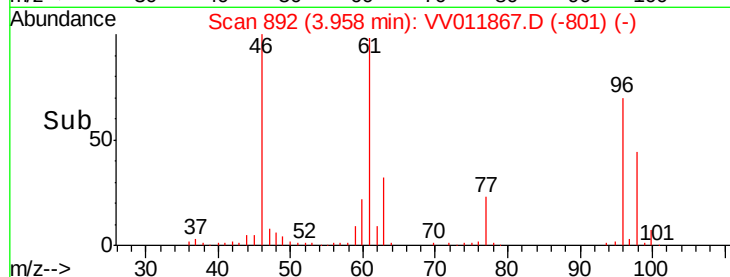
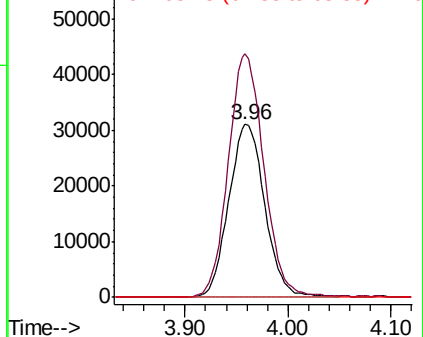
cis-1,2-Dichloroethene
 Concen: 5.214 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. -0.01 min
 Lab File: VV011867.D
 Acq: 12 Jul 2019 13:39

Instrument :
 MSVOA_V
 ClientSampled :
 VICV34

Tgt Ion: 96 Resp: 75673
 Ion Ratio Lower Upper
 96 100
 61 140.8 92.6 172.0
 68 0.0 0.0 0.0



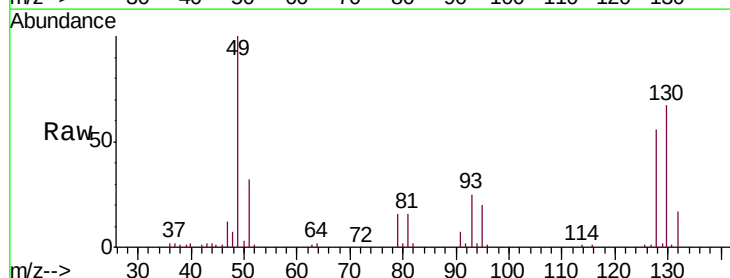
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



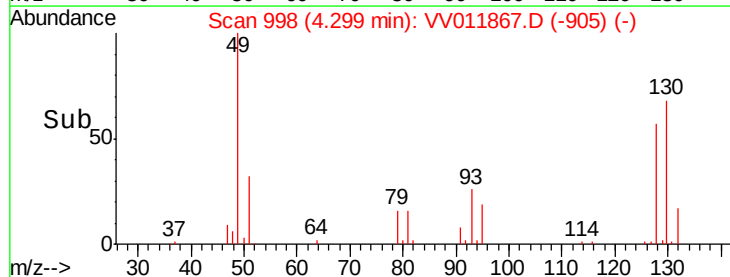
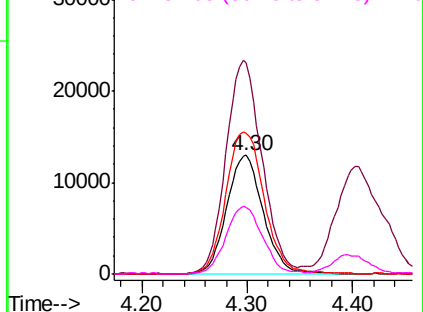
#23

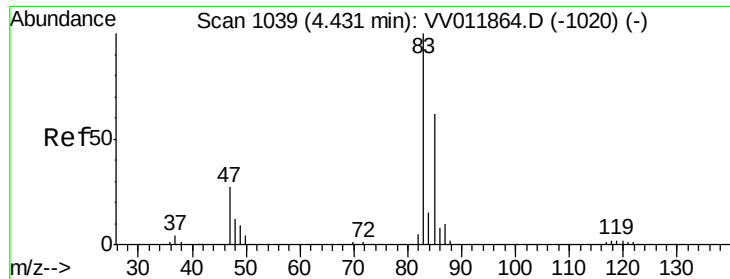
Bromochloromethane
 Concen: 5.072 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. -0.00 min
 Lab File: VV011867.D
 Acq: 12 Jul 2019 13:39

Tgt Ion: 128 Resp: 31117
 Ion Ratio Lower Upper
 128 100
 49 178.1 116.3 216.1
 130 119.2 90.3 167.7
 51 56.3 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

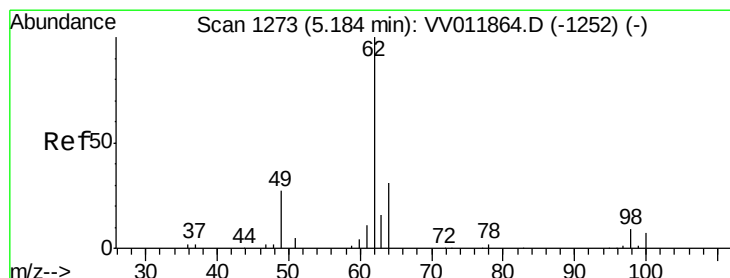
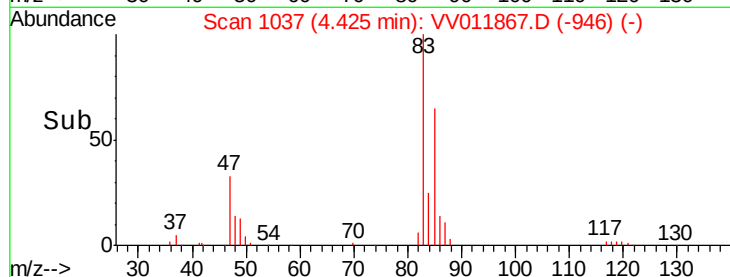
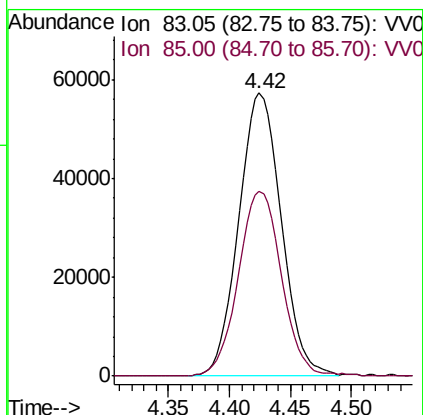
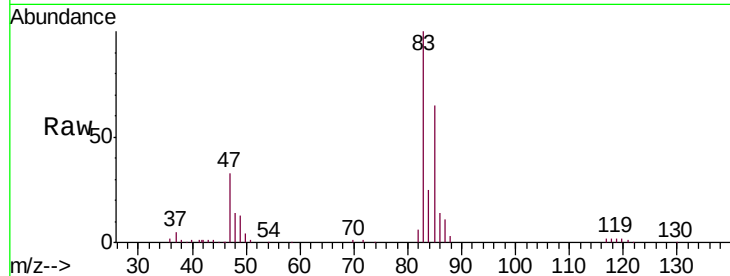




#25
Chloroform
Concen: 4.907 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.01 min
Lab File: VV011867.D
Acq: 12 Jul 2019 13:39

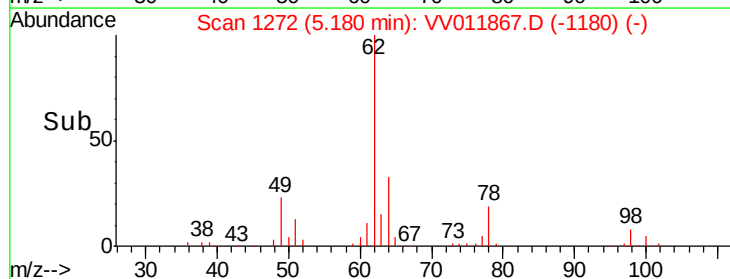
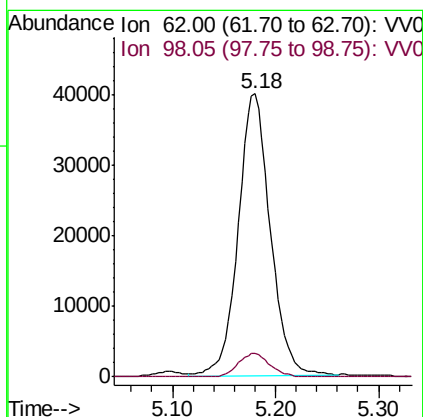
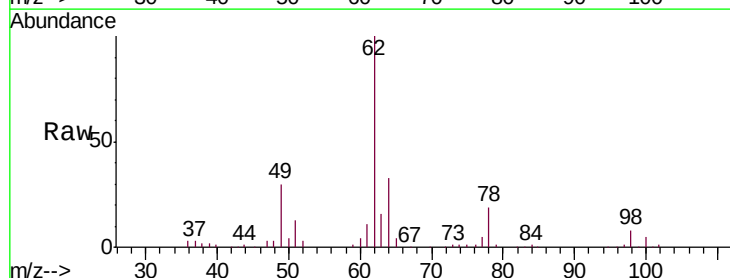
Instrument :
MSVOA_V
ClientSampleId :
VICV34

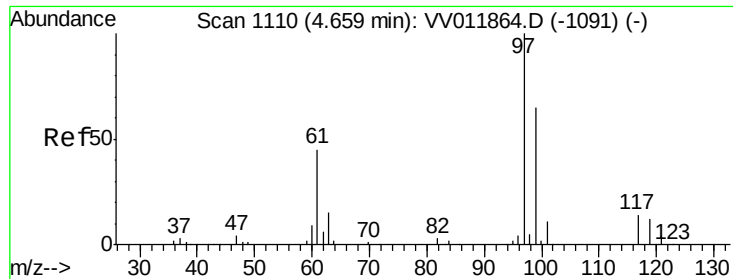
Tgt Ion: 83 Resp: 138483
Ion Ratio Lower Upper
83 100
85 65.2 43.8 81.4



#27
1,2-Dichloroethane
Concen: 5.315 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VV011867.D
Acq: 12 Jul 2019 13:39

Tgt Ion: 62 Resp: 86330
Ion Ratio Lower Upper
62 100
98 8.3 7.5 11.3

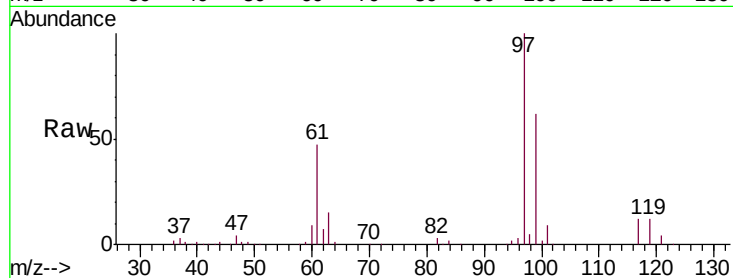




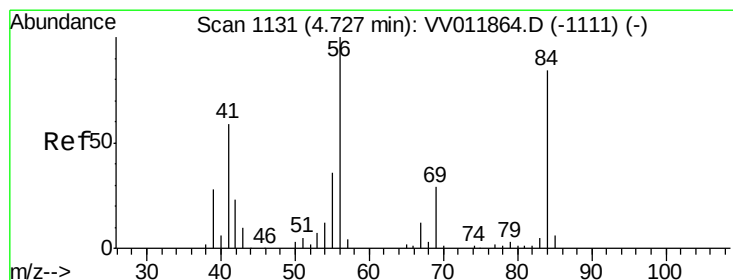
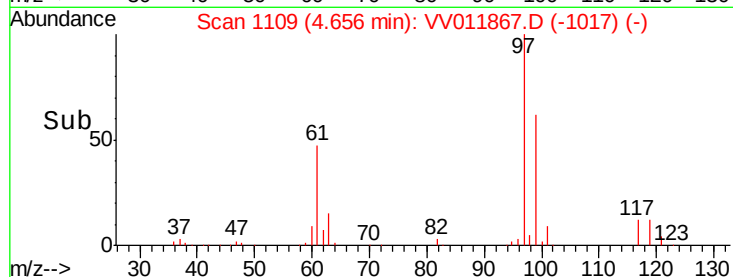
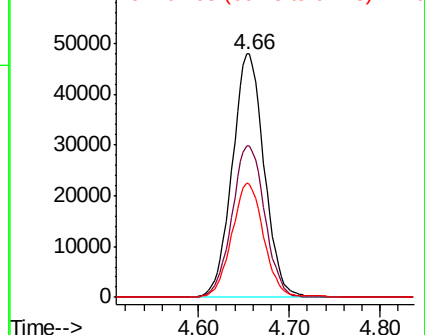
#29
 1,1,1-Trichloroethane
 Concen: 5.054 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. -0.00 min
 Lab File: VV011867.D
 Acq: 12 Jul 2019 13:39

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV34

Tgt Ion: 97 Resp: 116845
 Ion Ratio Lower Upper
 97 100
 99 63.7 51.3 76.9
 61 46.8 35.8 53.8

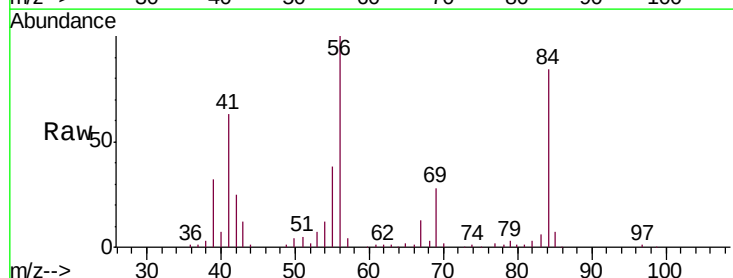


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

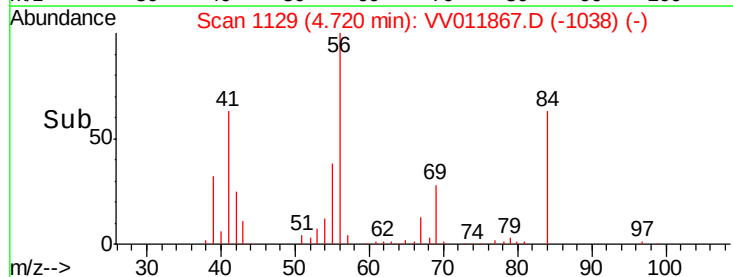
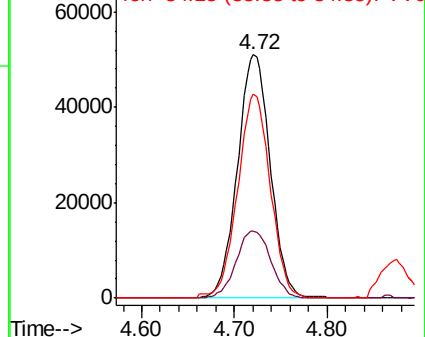


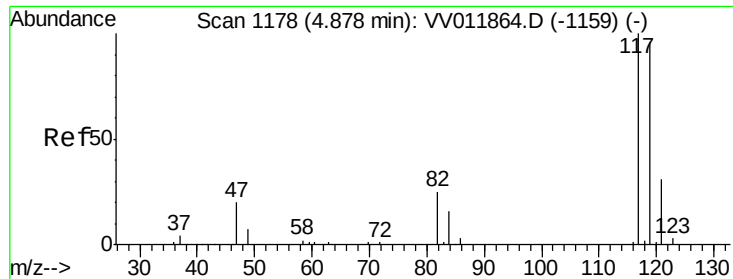
#30
 Cyclohexane
 Concen: 5.288 ug/L
 RT: 4.72 min Scan# 1129
 Delta R.T. -0.01 min
 Lab File: VV011867.D
 Acq: 12 Jul 2019 13:39

Tgt Ion: 56 Resp: 125510
 Ion Ratio Lower Upper
 56 100
 69 29.2 24.2 36.4
 84 82.9 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: 5.099 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.01 min

Lab File: VV011867.D

Acq: 12 Jul 2019 13:39

Instrument :

MSVOA_V

ClientSampleId :

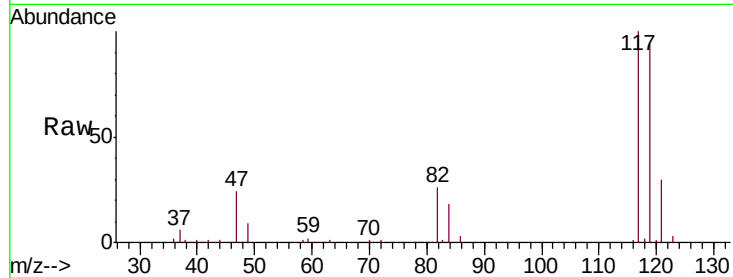
VICV34

Tgt Ion:117 Resp: 100791

Ion Ratio Lower Upper

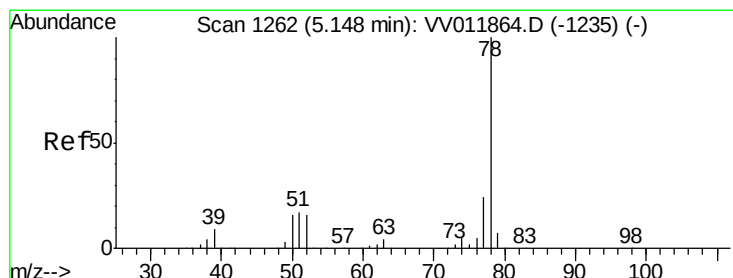
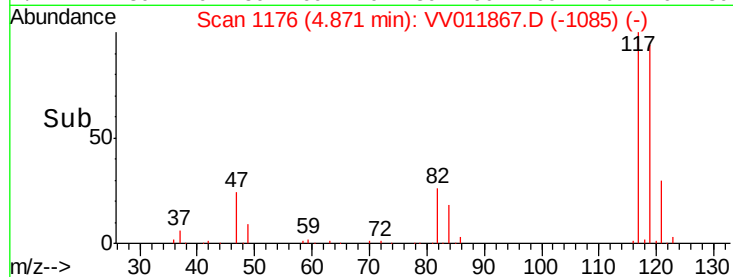
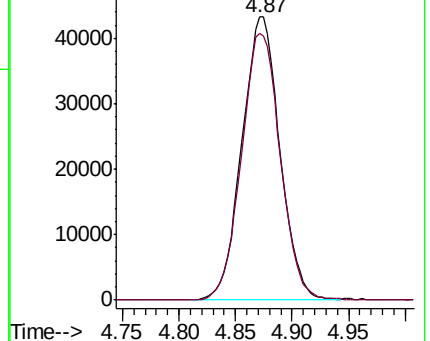
117 100

119 96.4 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: 5.169 ug/L

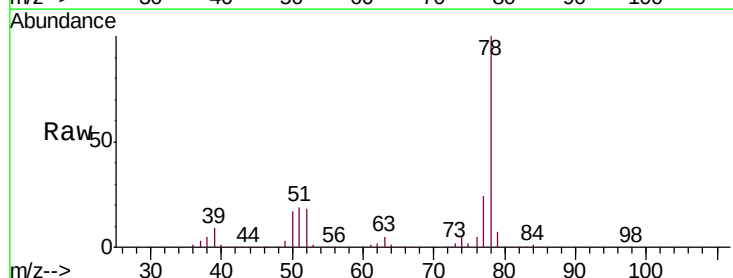
RT: 5.14 min Scan# 1261

Delta R.T. -0.00 min

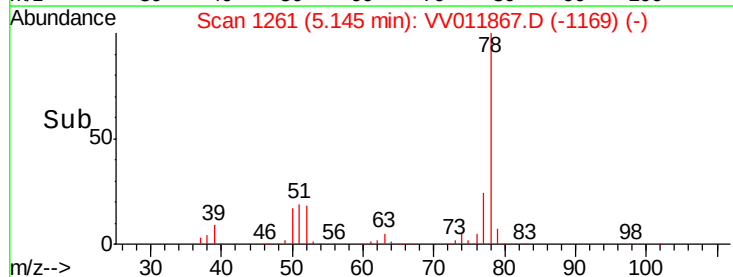
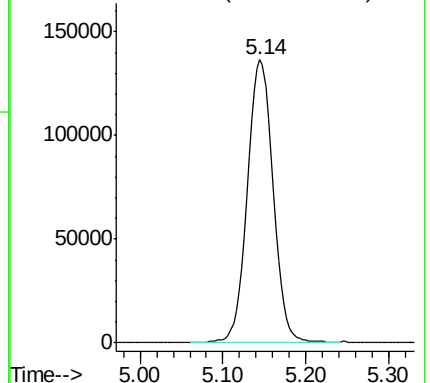
Lab File: VV011867.D

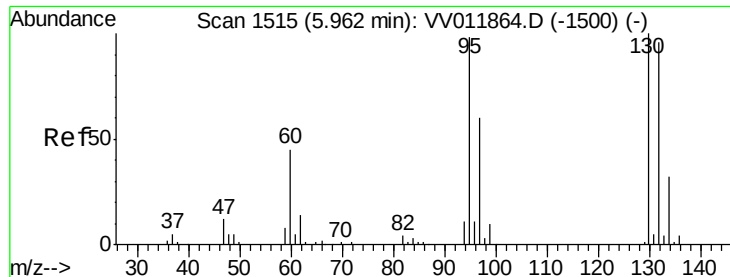
Acq: 12 Jul 2019 13:39

Tgt Ion: 78 Resp: 295131



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.995 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.01 min

Lab File: VV011867.D

Acq: 12 Jul 2019 13:39

Instrument :

MSVOA_V

ClientSampleId :

VICV34

Tgt Ion: 95 Resp: 81366

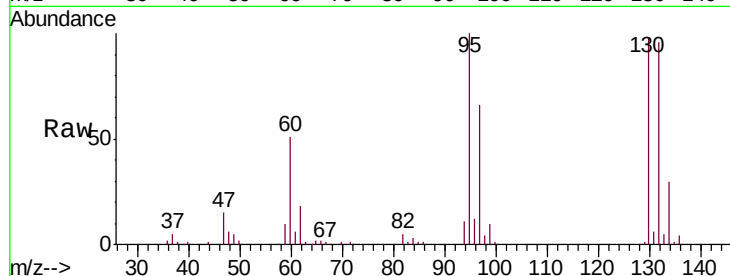
Ion Ratio Lower Upper

95 100

97 66.4 43.2 80.2

132 95.6 68.8 127.8

130 97.6 71.7 133.1

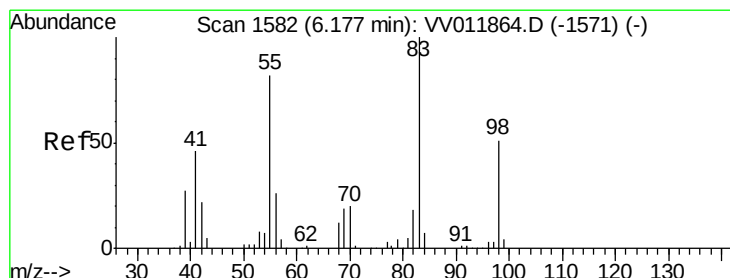
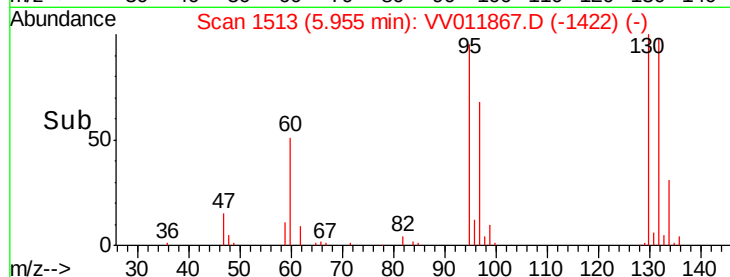
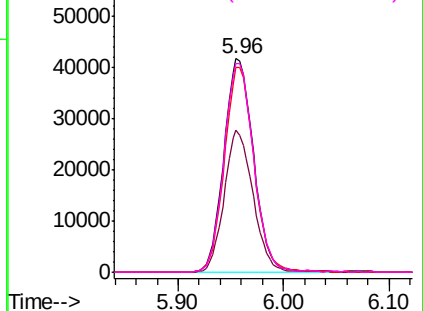


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 5.394 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV011867.D

Acq: 12 Jul 2019 13:39

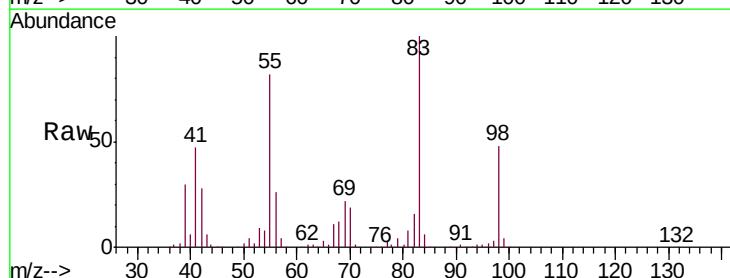
Tgt Ion: 83 Resp: 128990

Ion Ratio Lower Upper

83 100

55 81.7 63.6 95.4

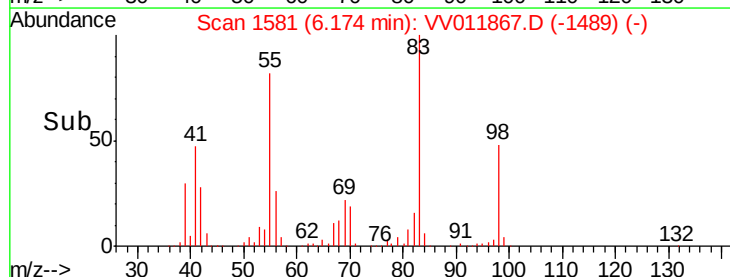
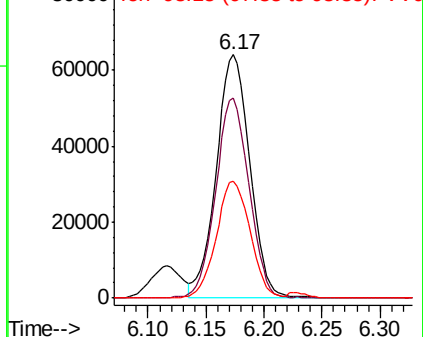
98 48.3 39.1 58.7

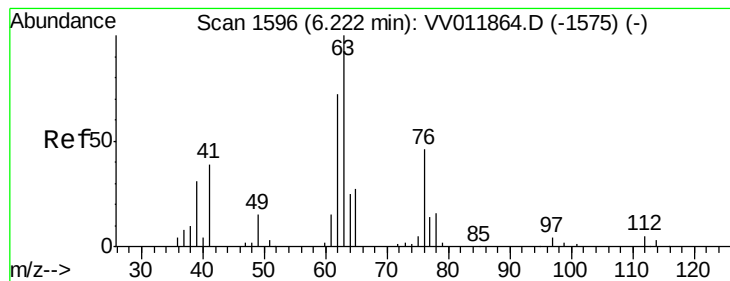


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 5.241 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. -0.00 min

Lab File: VV011867.D

Acq: 12 Jul 2019 13:39

Instrument :

MSVOA_V

ClientSampleId :

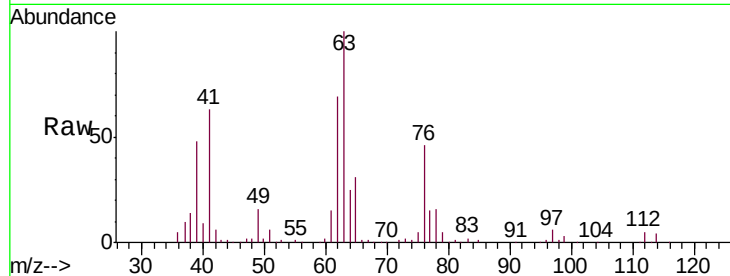
VICV34

Tgt Ion: 63 Resp: 74907

Ion Ratio Lower Upper

63 100

112 4.5 4.2 6.2



Abundance Ion 63.10 (62.80 to 63.80): VV011867.D (-1503) (-)

Ion 112.10 (111.80 to 112.80): VV011867.D (-1503) (-)

6.22

40000

30000

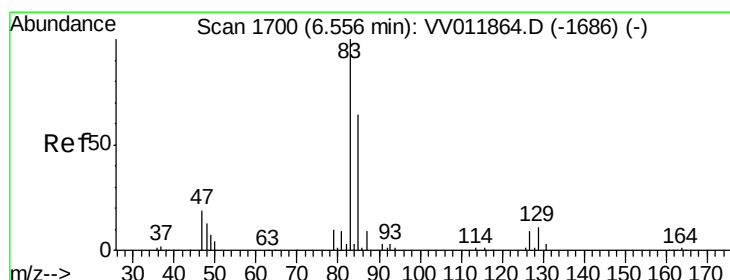
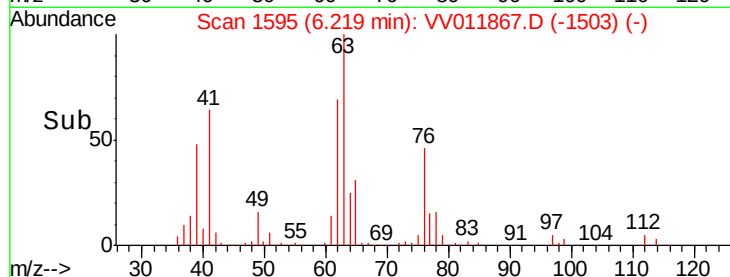
20000

10000

0

6.10 6.20 6.30

Time-->



#38

Bromodichloromethane

Concen: 5.006 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VV011867.D

Acq: 12 Jul 2019 13:39

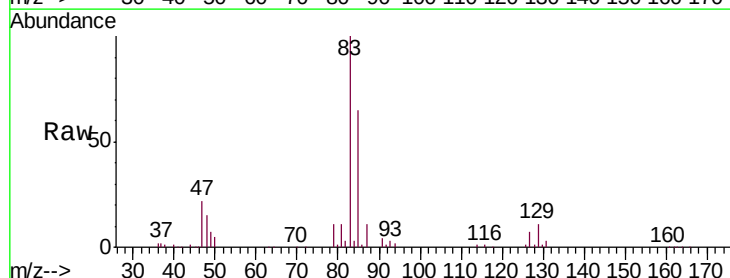
Tgt Ion: 83 Resp: 86570

Ion Ratio Lower Upper

83 100

85 64.8 44.5 82.7

127 7.3 7.4 11.0#



Abundance Ion 82.95 (82.65 to 83.65): VV011867.D (-1607) (-)

Ion 85.00 (84.70 to 85.70): VV011867.D (-1607) (-)

Ion 126.90 (126.60 to 127.60): VV011867.D (-1607) (-)

6.55

60000

50000

40000

30000

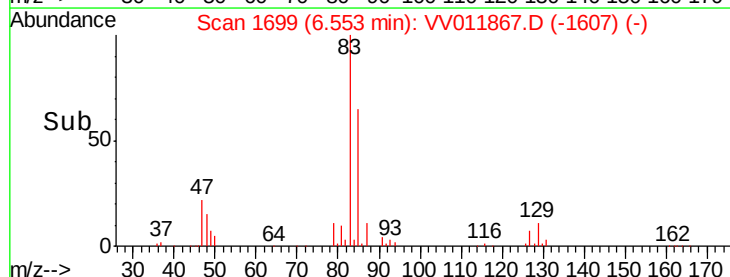
20000

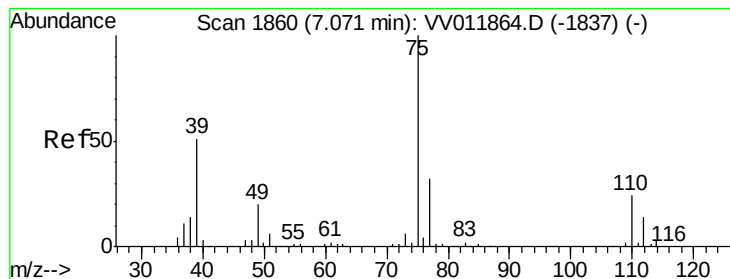
10000

0

6.50 6.55 6.60 6.65

Time-->





#39

cis-1,3-Dichloropropene

Concen: 5.306 ug/L

RT: 7.07 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VV011867.D

Acq: 12 Jul 2019 13:39

Instrument :

MSVOA_V

ClientSampleId :

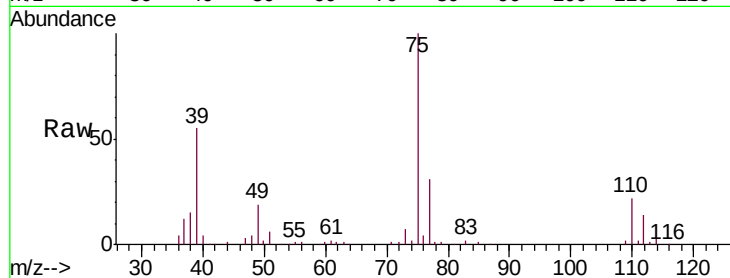
VICV34

Tgt Ion: 75 Resp: 103908

Ion Ratio Lower Upper

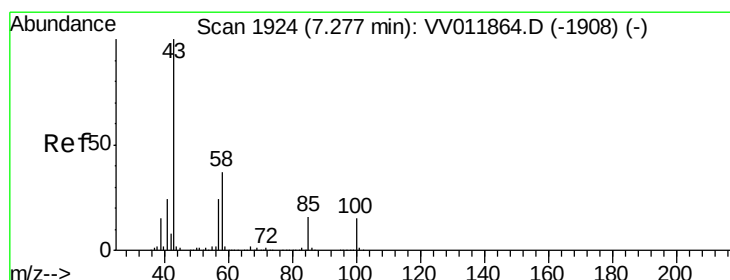
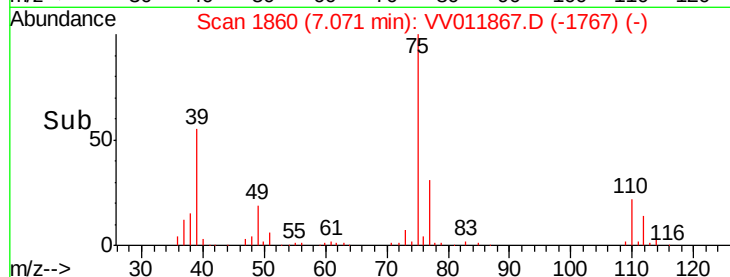
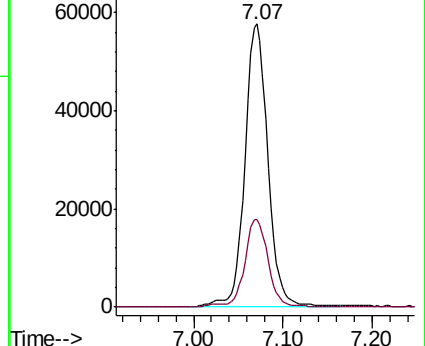
75 100

77 31.0 22.3 41.3



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#40

4-Methyl-2-pentanone

Concen: 54.362 ug/L

RT: 7.27 min Scan# 1923

Delta R.T. -0.00 min

Lab File: VV011867.D

Acq: 12 Jul 2019 13:39

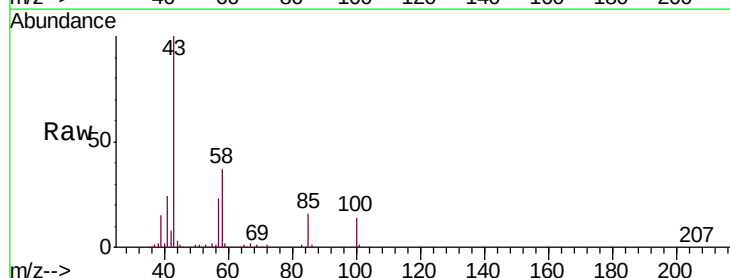
Tgt Ion: 43 Resp: 461882

Ion Ratio Lower Upper

43 100

58 36.7 29.1 43.7

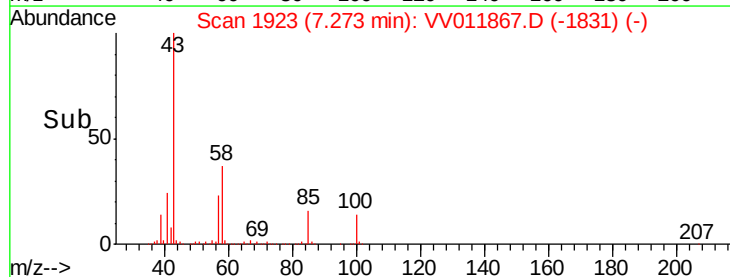
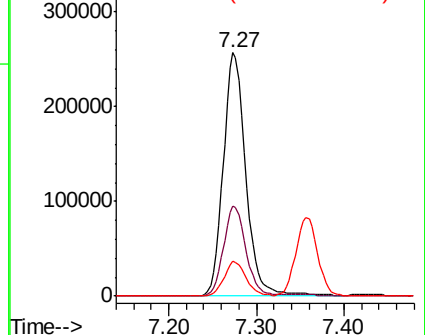
100 13.9 11.2 16.8

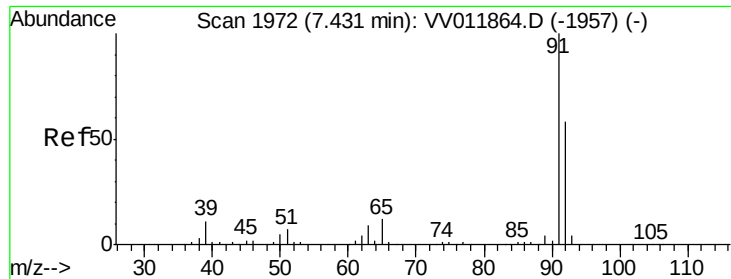


Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 100.15 (99.85 to 100.85): VV0





#42

Toluene

Concen: 5.375 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV011867.D

Acq: 12 Jul 2019 13:39

Instrument :

MSVOA_V

ClientSampleId :

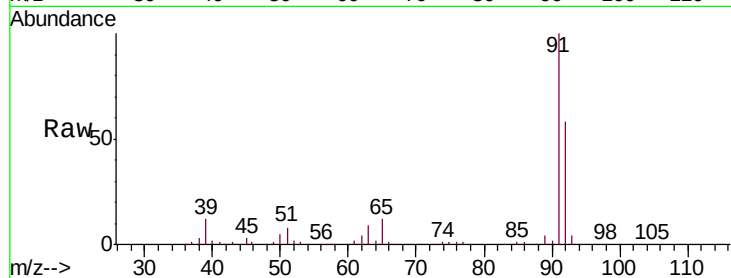
VICV34

Tgt Ion: 91 Resp: 322161

Ion Ratio Lower Upper

91 100

92 58.1 40.8 75.8



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.43

200000

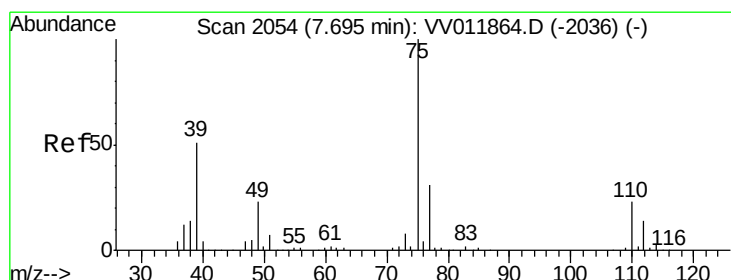
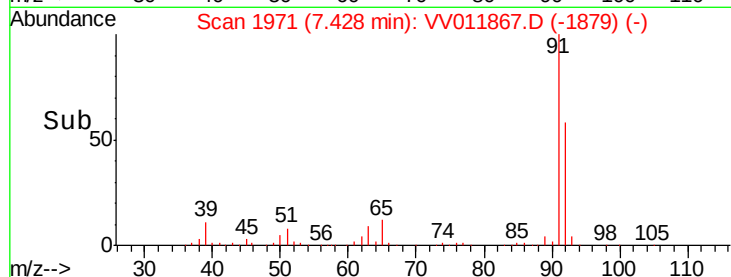
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.280 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. -0.00 min

Lab File: VV011867.D

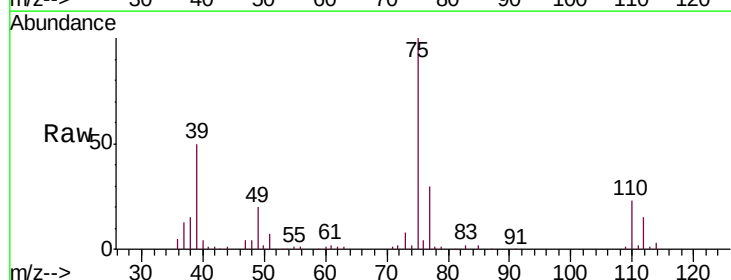
Acq: 12 Jul 2019 13:39

Tgt Ion: 75 Resp: 80119

Ion Ratio Lower Upper

75 100

77 30.3 21.6 40.0



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.69

50000

40000

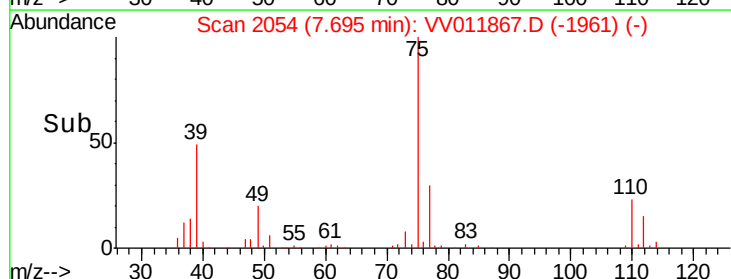
30000

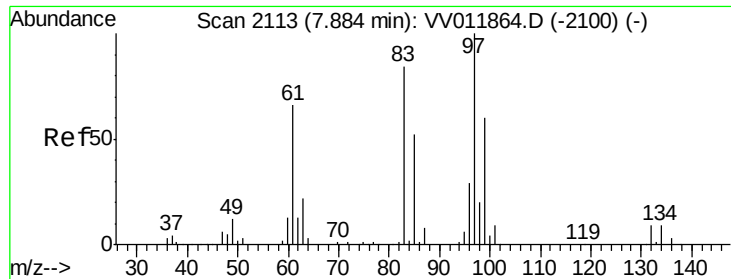
20000

10000

0

Time-->

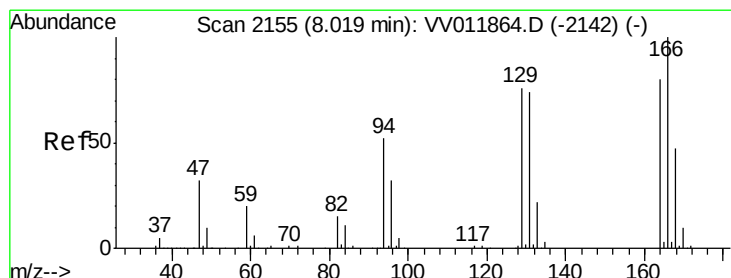
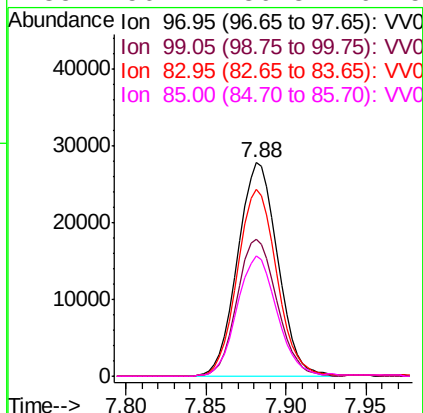
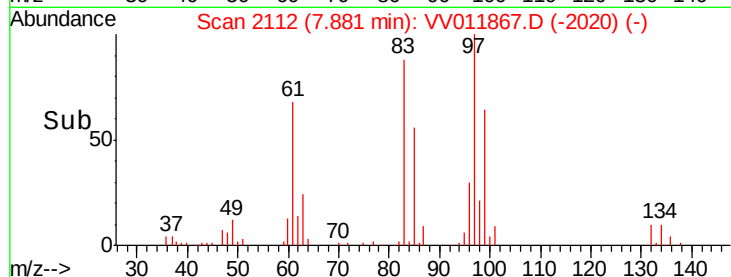
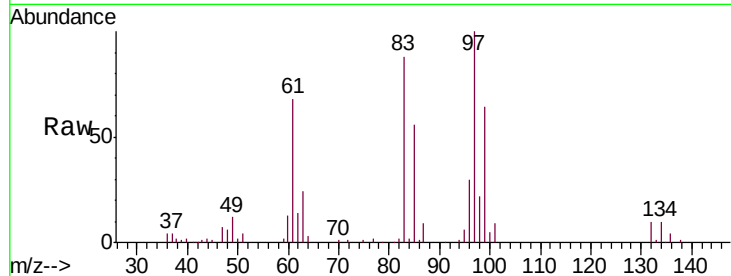




#45
1,1,2-Trichloroethane
Concen: 4.984 ug/L
RT: 7.88 min Scan# 2112
Delta R.T. -0.00 min
Lab File: VV011867.D
Acq: 12 Jul 2019 13:39

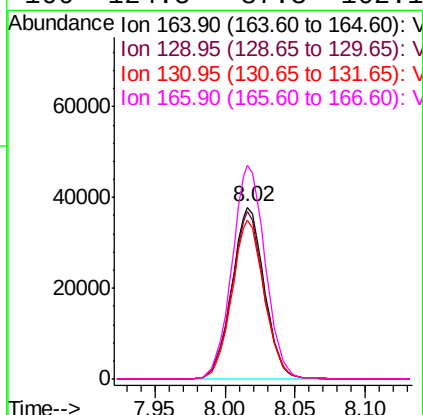
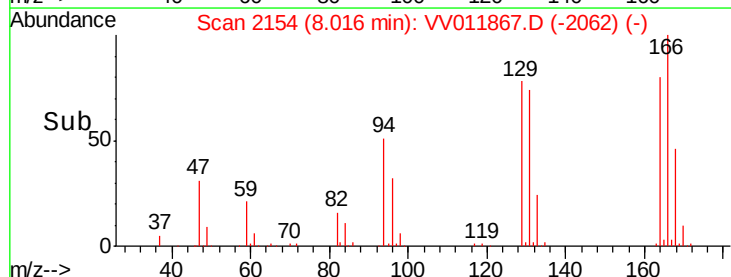
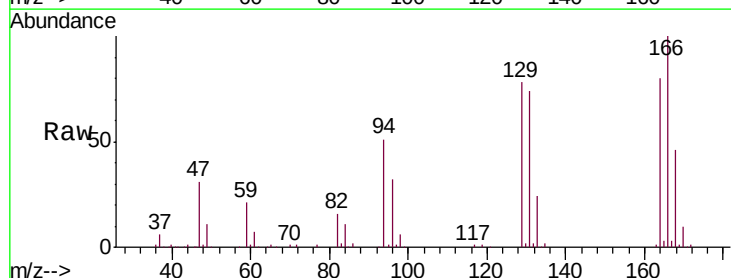
Instrument :
MSVOA_V
ClientSampleId :
VICV34

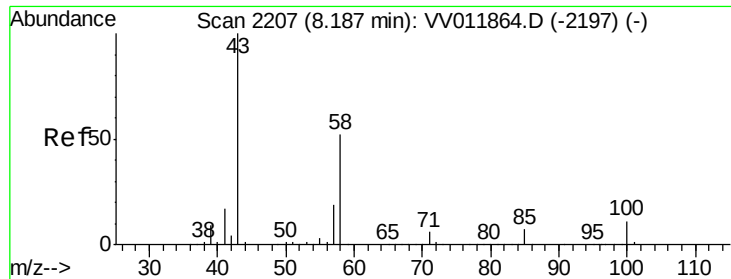
Tgt Ion:	97	Resp:	47696
Ion	Ratio	Lower	Upper
97	100		
99	64.4	42.2	78.4
83	87.5	58.4	108.6
85	56.2	36.3	67.5



#47
Tetrachloroethene
Concen: 5.083 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.00 min
Lab File: VV011867.D
Acq: 12 Jul 2019 13:39

Tgt Ion:	164	Resp:	60990
Ion	Ratio	Lower	Upper
164	100		
129	97.8	66.1	122.8
131	92.4	64.8	120.4
166	124.5	87.3	162.1

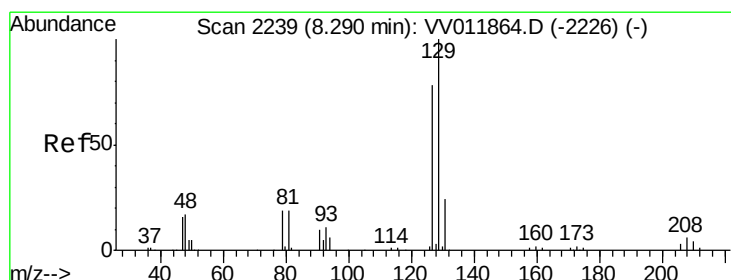
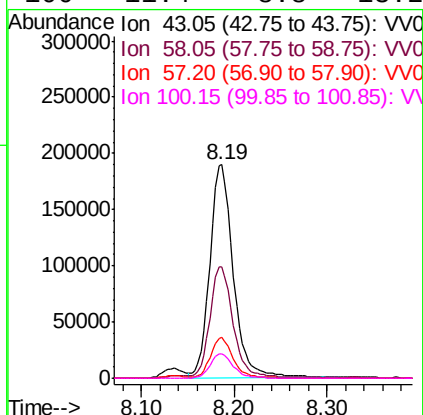
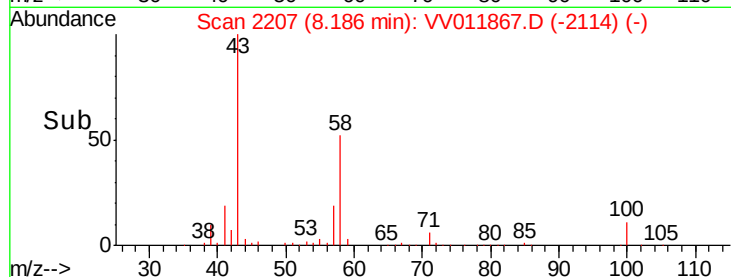
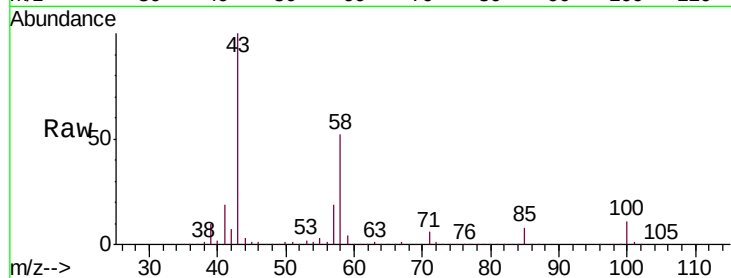




#48
2-Hexanone
Concen: 54.639 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. -0.00 min
Lab File: VV011867.D
Acq: 12 Jul 2019 13:39

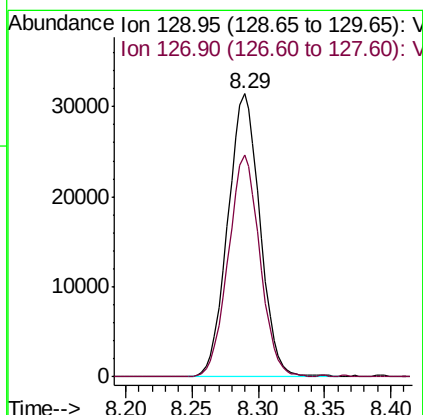
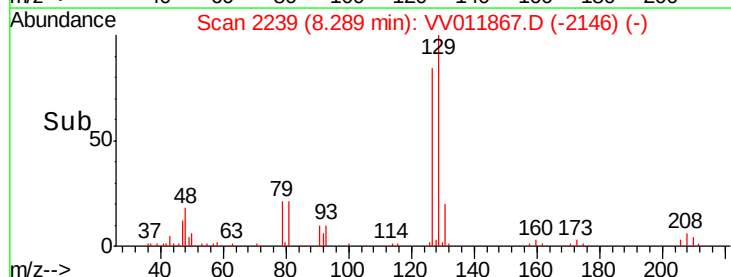
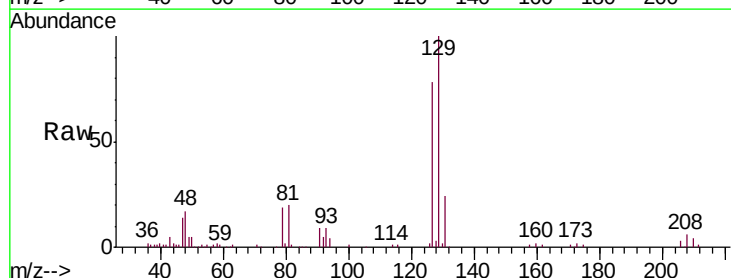
Instrument :
MSVOA_V
ClientSampled :
VICV34

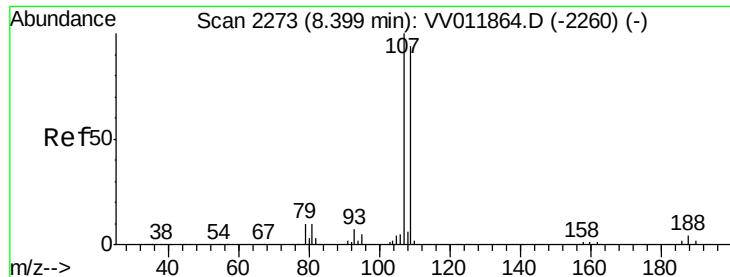
Tgt Ion: 43 Resp: 333474
Ion Ratio Lower Upper
43 100
58 51.1 40.6 61.0
57 18.1 14.4 21.6
100 11.4 8.8 13.2



#49
Dibromochloromethane
Concen: 5.034 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV011867.D
Acq: 12 Jul 2019 13:39

Tgt Ion: 129 Resp: 52979
Ion Ratio Lower Upper
129 100
127 78.4 54.7 101.7

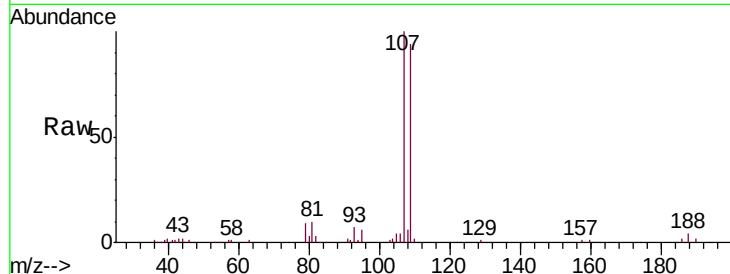




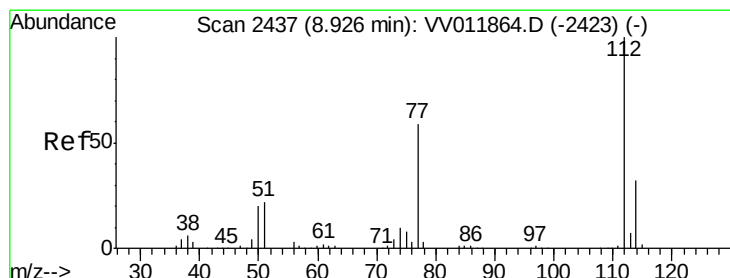
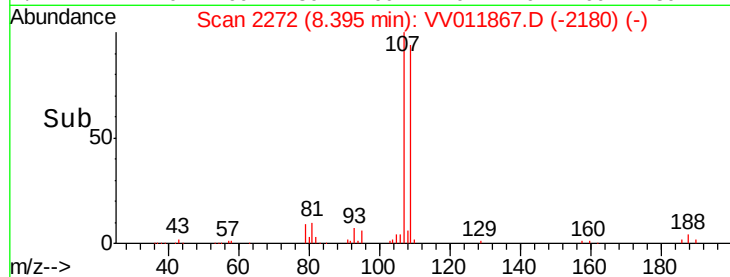
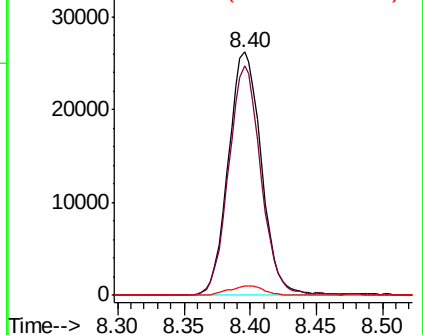
#50
1,2-Dibromoethane
Concen: 5.144 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VV011867.D
Acq: 12 Jul 2019 13:39

Instrument :
MSVOA_V
ClientSampleId :
VICV34

Tgt Ion:107 Resp: 45449
Ion Ratio Lower Upper
107 100
109 94.1 65.7 122.1
188 3.7 3.0 4.6

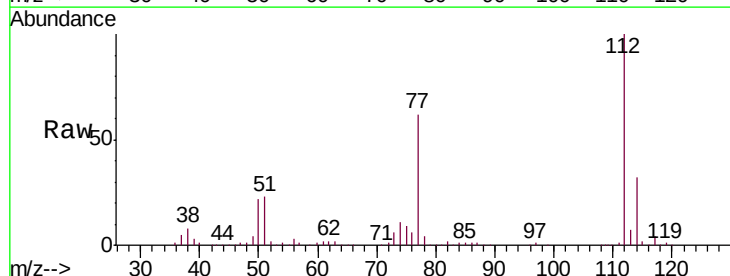


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

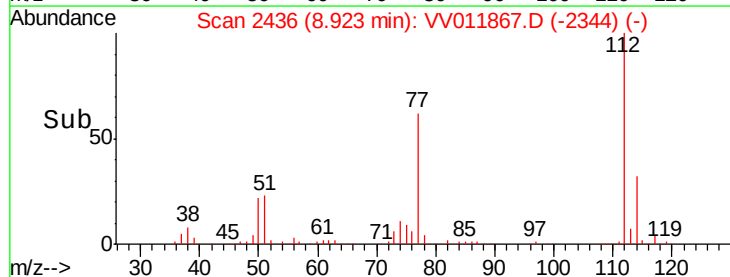
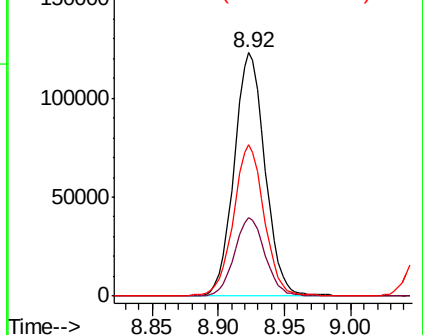


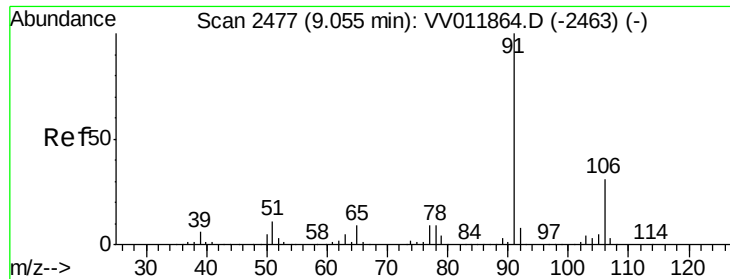
#51
Chlorobenzene
Concen: 5.134 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. -0.00 min
Lab File: VV011867.D
Acq: 12 Jul 2019 13:39

Tgt Ion:112 Resp: 199053
Ion Ratio Lower Upper
112 100
114 32.4 22.1 41.1
77 62.4 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: 5.291 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV011867.D

Acq: 12 Jul 2019 13:39

Instrument :

MSVOA_V

ClientSampleId :

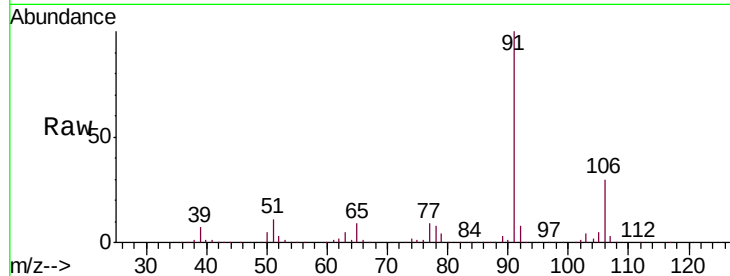
VICV34

Tgt Ion: 91 Resp: 350395

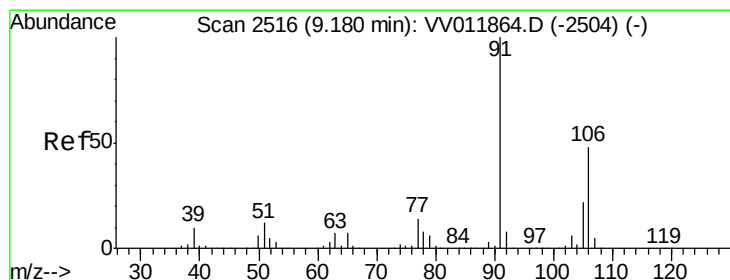
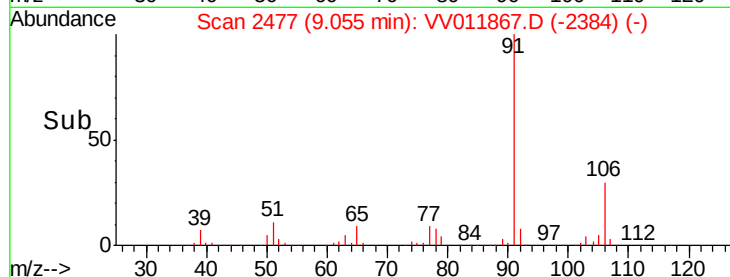
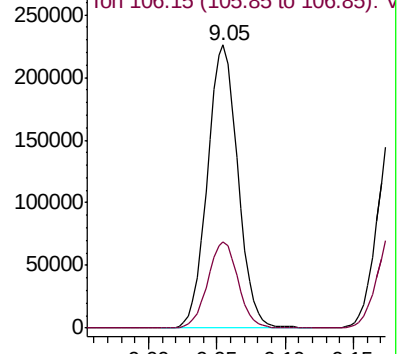
Ion Ratio Lower Upper

91 100

106 30.4 21.6 40.2



Abundance Ion 91.15 (90.85 to 91.85): VV011867.D (-2463) (-)



#53

m,p-xylene

Concen: 5.503 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV011867.D

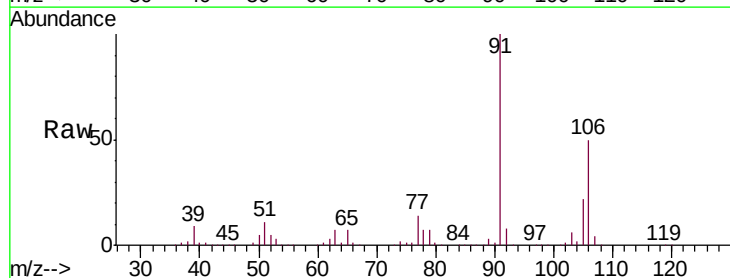
Acq: 12 Jul 2019 13:39

Tgt Ion: 106 Resp: 134496

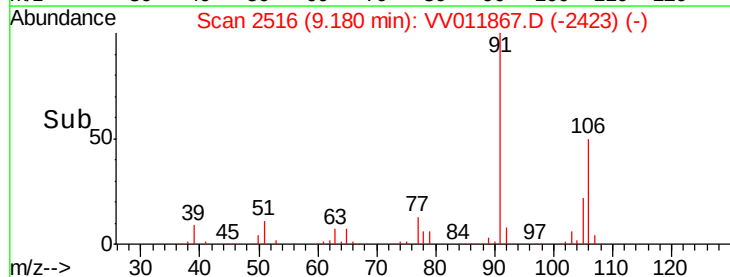
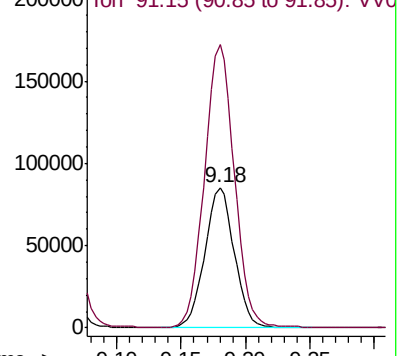
Ion Ratio Lower Upper

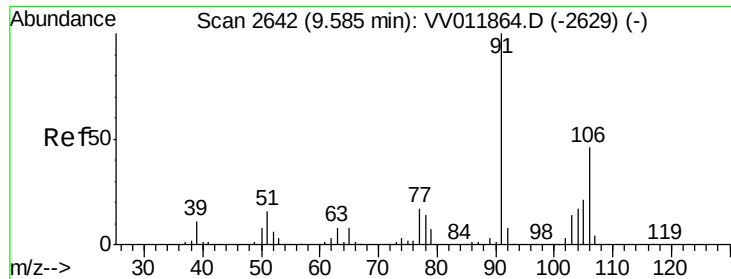
106 100

91 201.5 145.0 269.2



Abundance Ion 106.15 (105.85 to 106.85): VV011867.D (-2504) (-)

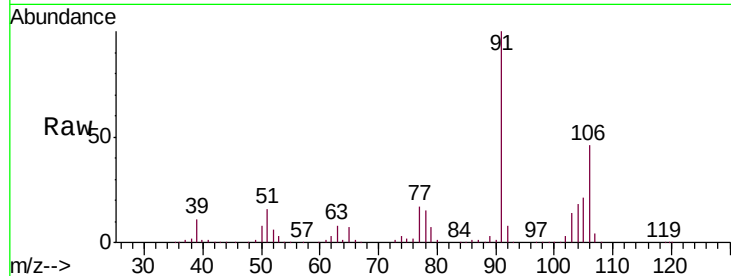




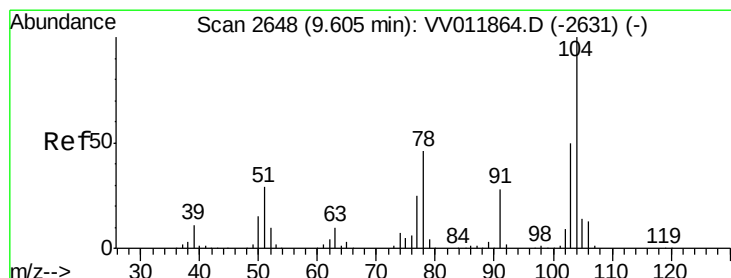
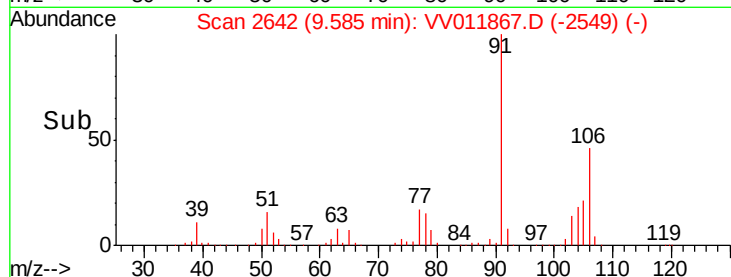
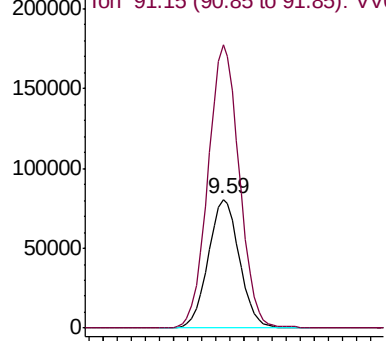
#54
o-xylene
Concen: 5.370 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. -0.00 min
Lab File: VV011867.D
Acq: 12 Jul 2019 13:39

Instrument :
MSVOA_V
ClientSampleId :
VICV34

Tgt Ion:106 Resp: 125142
Ion Ratio Lower Upper
106 100
91 219.2 152.9 283.9

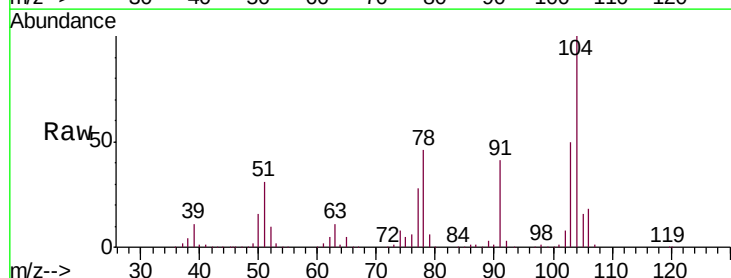


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

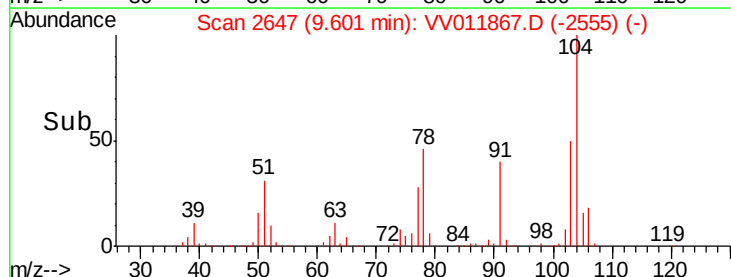
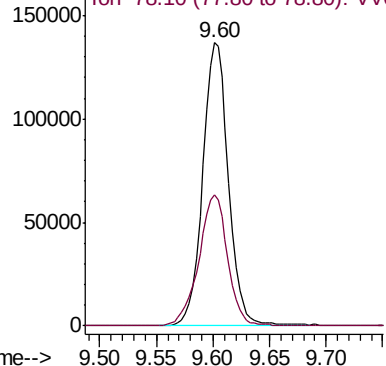


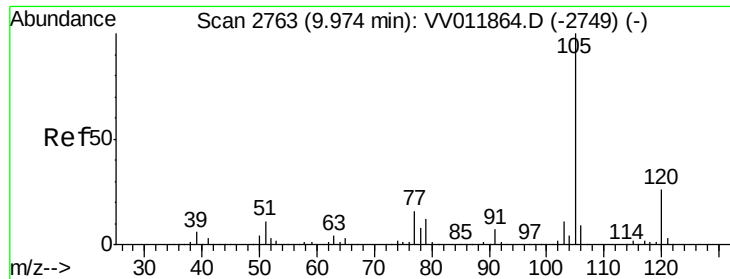
#55
Styrene
Concen: 5.501 ug/L
RT: 9.60 min Scan# 2647
Delta R.T. -0.00 min
Lab File: VV011867.D
Acq: 12 Jul 2019 13:39

Tgt Ion:104 Resp: 216239
Ion Ratio Lower Upper
104 100
78 46.5 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: 5.399 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV011867.D

Acq: 12 Jul 2019 13:39

Instrument :

MSVOA_V

ClientSampleId :

VICV34

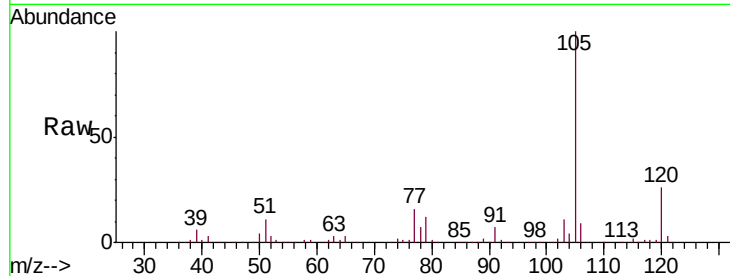
Tgt Ion: 105 Resp: 343329

Ion Ratio Lower Upper

105 100

120 25.9 20.9 31.3

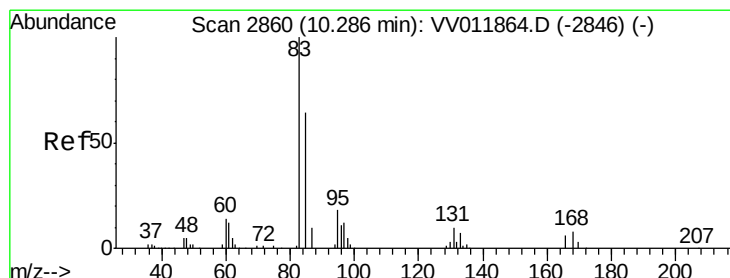
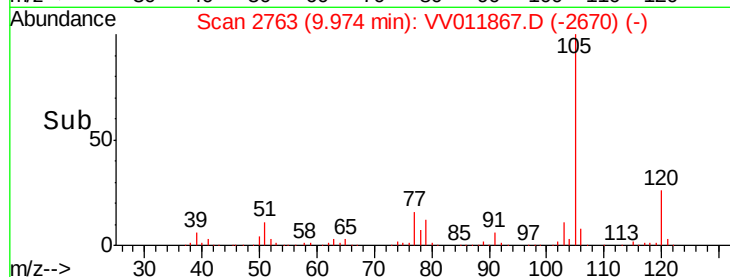
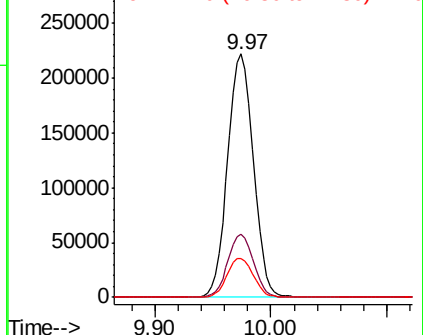
77 16.5 13.2 19.8



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: 5.011 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VV011867.D

Acq: 12 Jul 2019 13:39

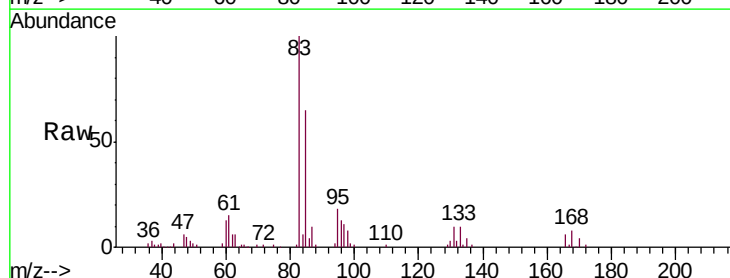
Tgt Ion: 83 Resp: 47267

Ion Ratio Lower Upper

83 100

85 64.8 45.0 83.6

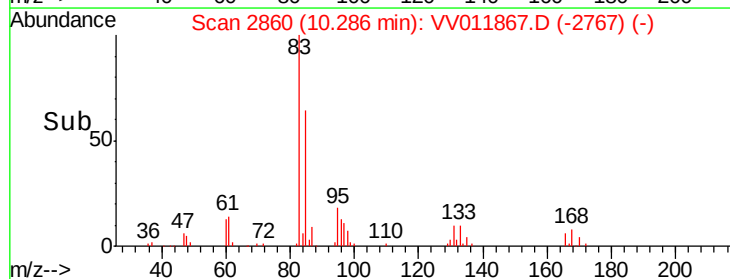
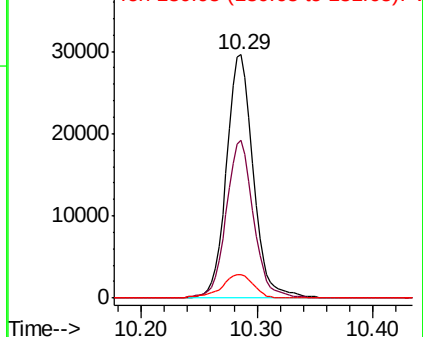
131 9.8 8.3 12.5

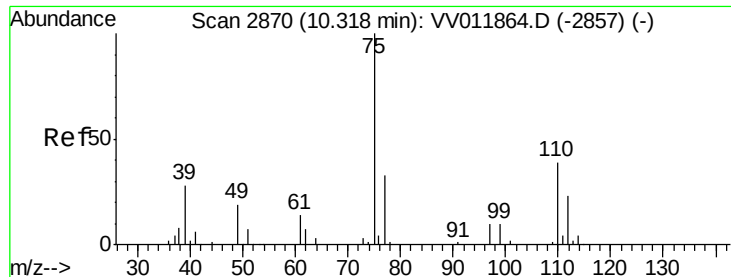


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

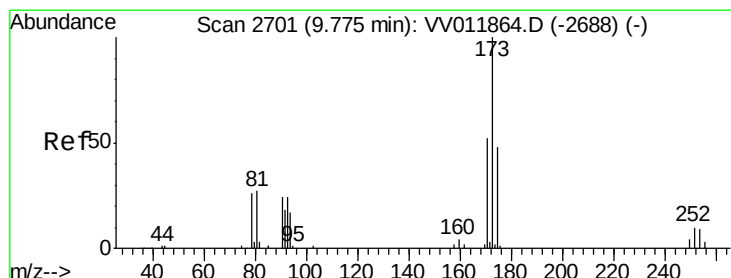
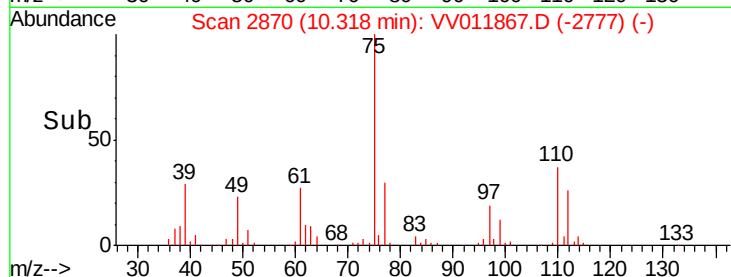
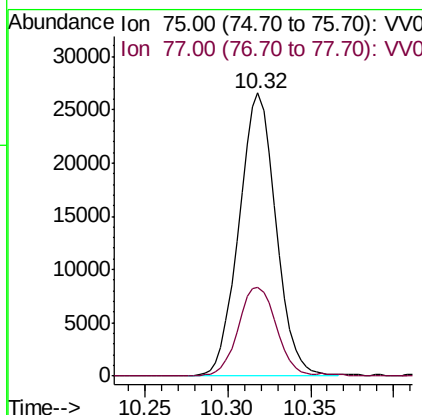
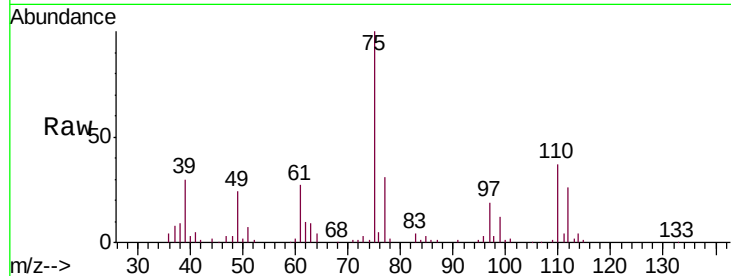




#59
 1,2,3-Trichloropropane
 Concen: 4.847 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VV011867.D
 Acq: 12 Jul 2019 13:39

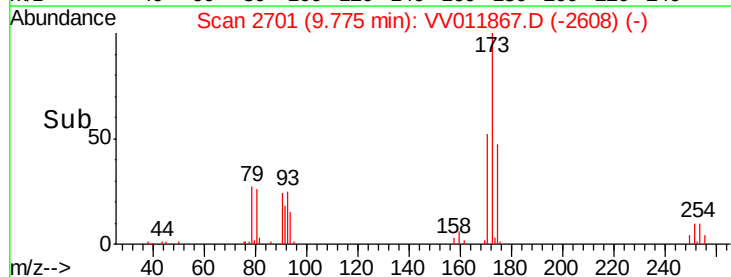
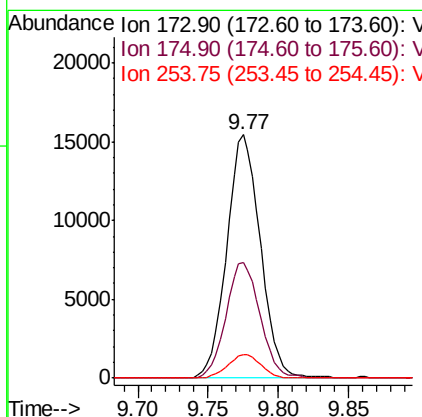
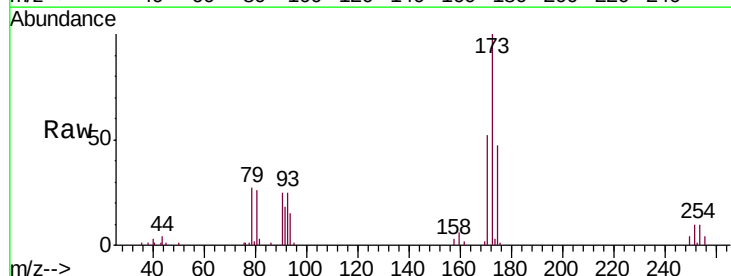
Instrument :
 MSVOA_V
 ClientSampled :
 VICV34

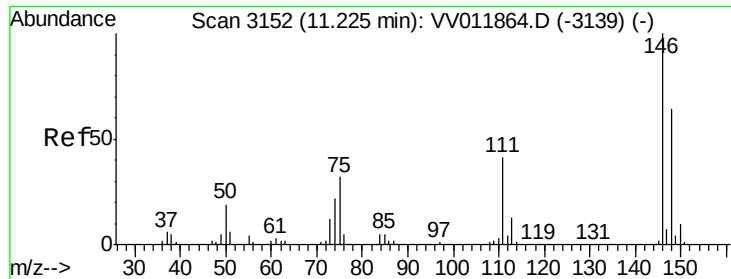
Tgt Ion: 75 Resp: 41190
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.8 38.6



#61
 Bromoform
 Concen: 5.144 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. -0.00 min
 Lab File: VV011867.D
 Acq: 12 Jul 2019 13:39

Tgt Ion: 173 Resp: 25750
 Ion Ratio Lower Upper
 173 100
 175 47.8 39.4 59.0
 254 9.4 7.4 11.0





#62

1,3-Dichlorobenzene

Concen: 5.241 ug/L

RT: 11.22 min Scan# 3152

Delta R.T. -0.00 min

Lab File: VV011867.D

Acq: 12 Jul 2019 13:39

Instrument :

MSVOA_V

ClientSampleId :

VICV34

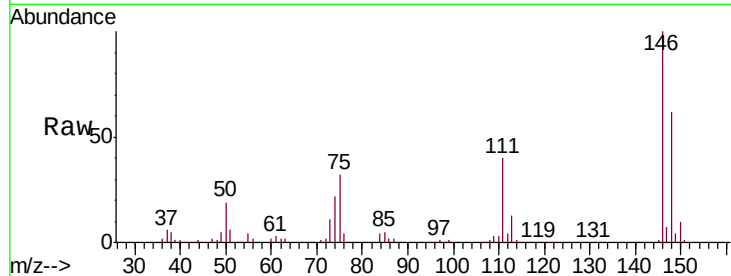
Tgt Ion:146 Resp: 152522

Ion Ratio Lower Upper

146 100

111 40.3 28.8 53.4

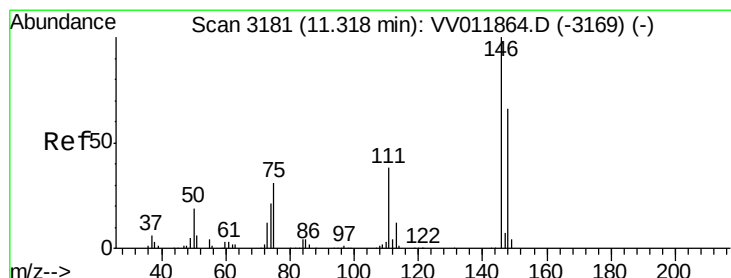
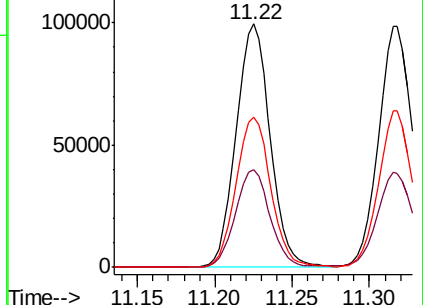
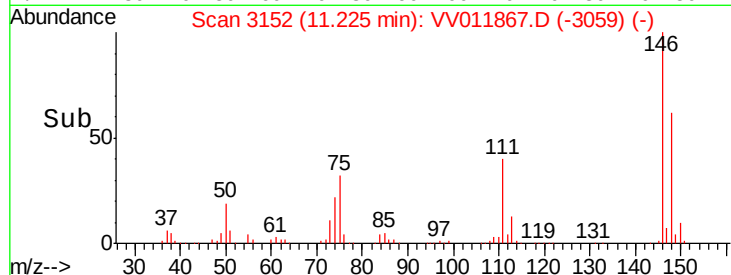
148 61.8 44.6 82.8



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: 5.122 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. -0.00 min

Lab File: VV011867.D

Acq: 12 Jul 2019 13:39

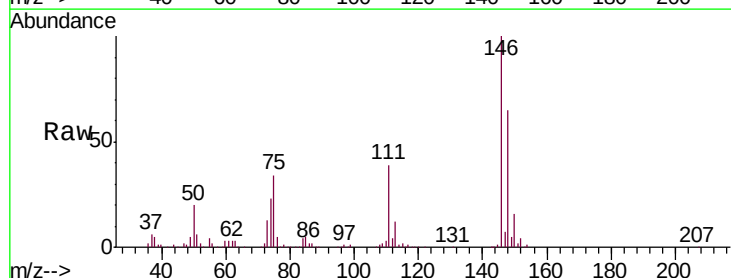
Tgt Ion:146 Resp: 154342

Ion Ratio Lower Upper

146 100

111 39.1 26.6 49.4

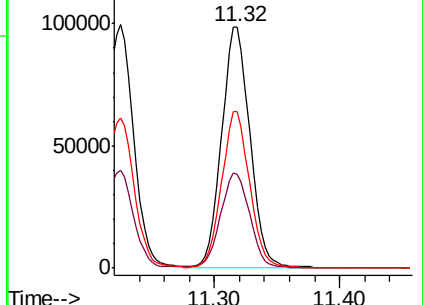
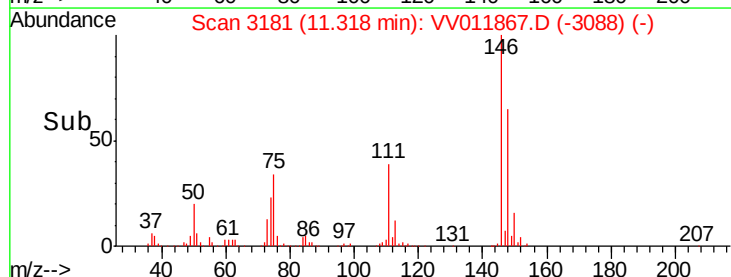
148 64.9 46.0 85.4

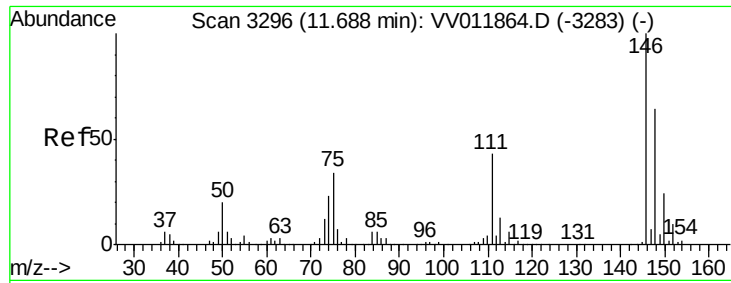


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

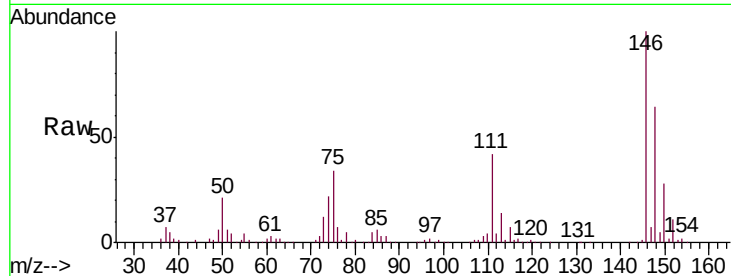




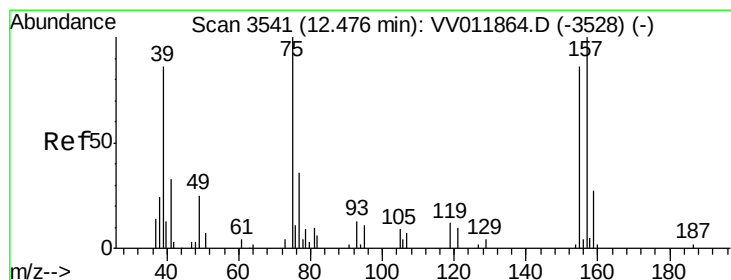
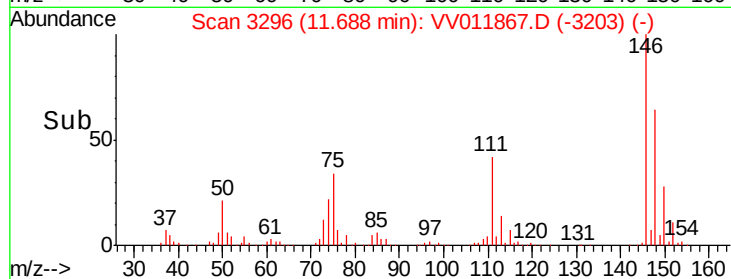
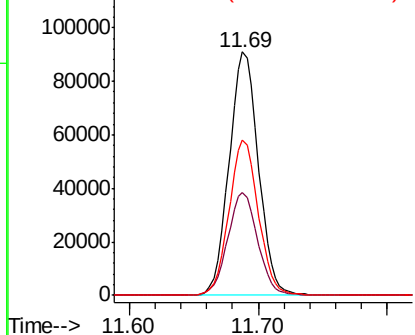
#65
 1,2-Dichlorobenzene
 Concen: 5.213 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. -0.00 min
 Lab File: VV011867.D
 Acq: 12 Jul 2019 13:39

Instrument :
 MSVOA_V
 ClientSampled :
 VICV34

Tgt Ion: 146 Resp: 143560
 Ion Ratio Lower Upper
 146 100
 111 42.2 34.7 52.1
 148 63.6 51.4 77.0

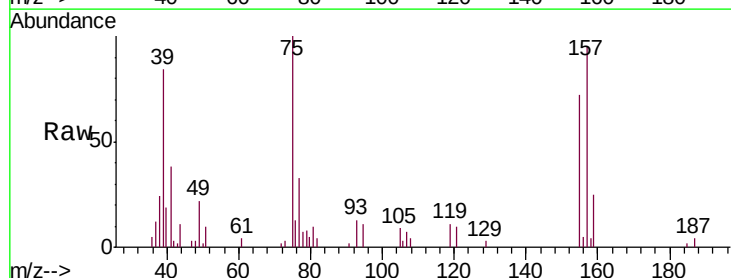


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

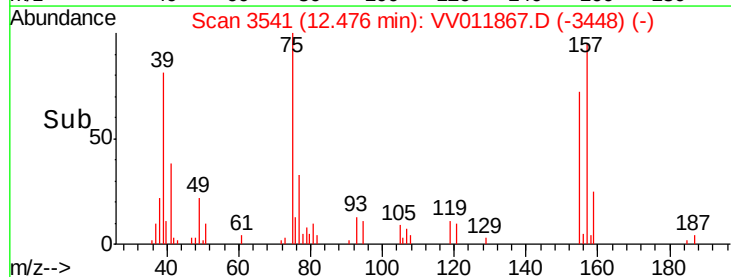
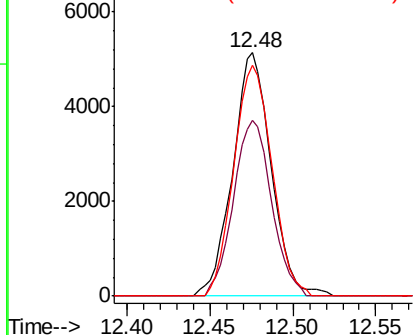


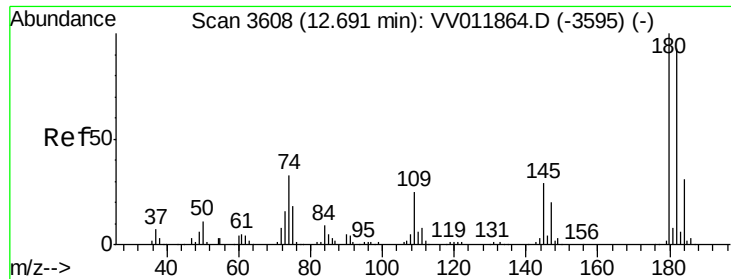
#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.909 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. -0.00 min
 Lab File: VV011867.D
 Acq: 12 Jul 2019 13:39

Tgt Ion: 75 Resp: 8311
 Ion Ratio Lower Upper
 75 100
 155 72.2 68.7 103.1
 157 94.9 80.2 120.2



Abundance Ion 75.05 (74.75 to 75.75): VV0
 Ion 154.95 (154.65 to 155.65): V
 Ion 156.90 (156.60 to 157.60): V

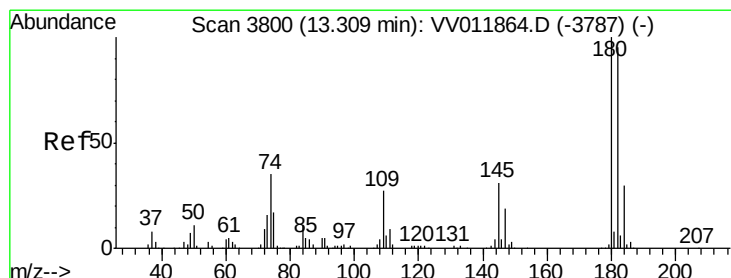
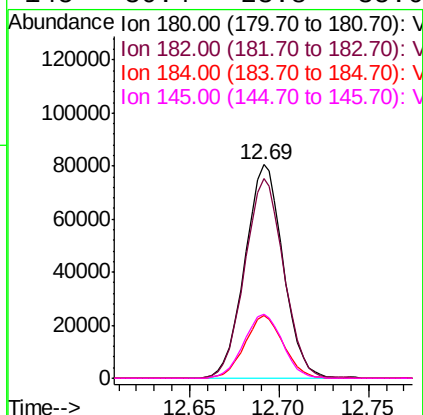
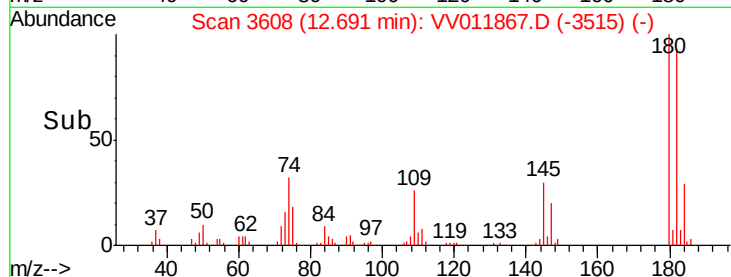
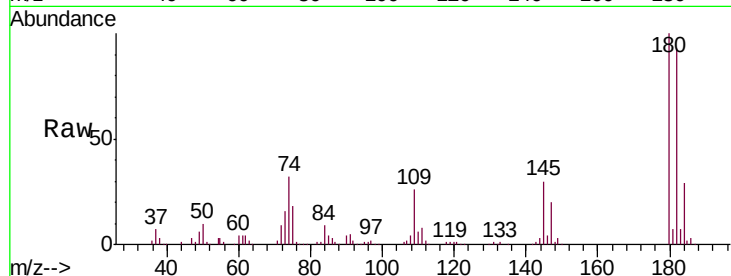




#67
 1,3,5-Trichlorobenzene
 Concen: 5.292 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. -0.00 min
 Lab File: VV011867.D
 Acq: 12 Jul 2019 13:39

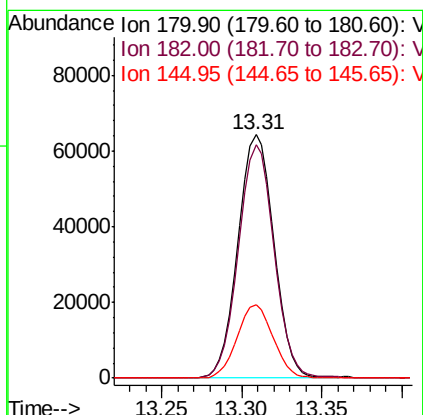
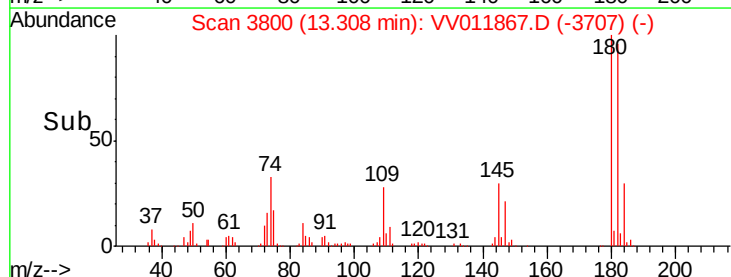
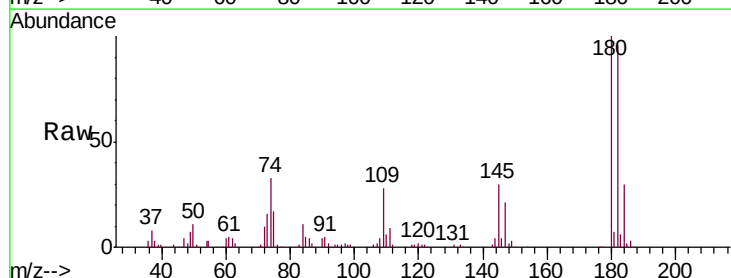
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV34

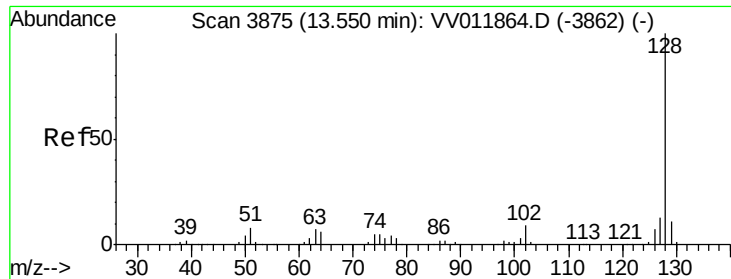
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	75.0	112.6
184	29.6	24.5	36.7
145	30.4	23.8	35.6



#68
 1,2,4-trichlorobenzene
 Concen: 5.426 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. -0.00 min
 Lab File: VV011867.D
 Acq: 12 Jul 2019 13:39

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	75.9	113.9
145	30.1	24.5	36.7





#69

Naphthalene

Concen: 5.695 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. -0.00 min

Lab File: VV011867.D

Acq: 12 Jul 2019 13:39

Instrument :

MSVOA_V

ClientSampleId :

VICV34

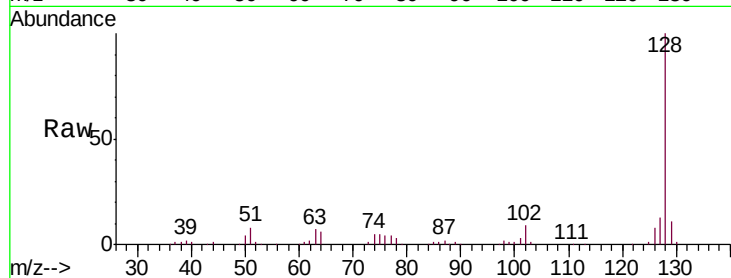
Tgt Ion:128 Resp: 152346

Ion Ratio Lower Upper

128 100

129 11.1 8.6 13.0

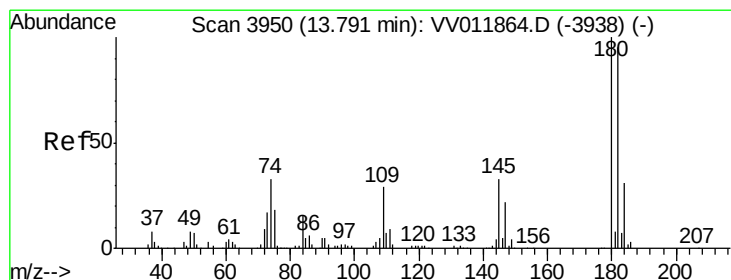
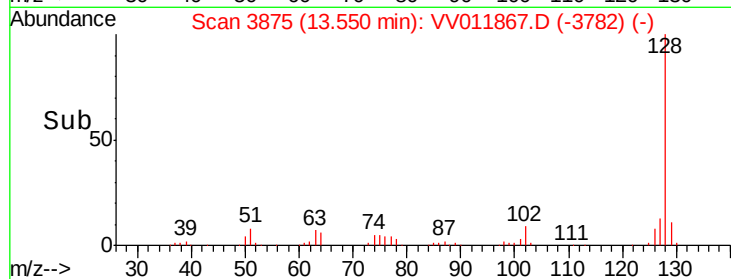
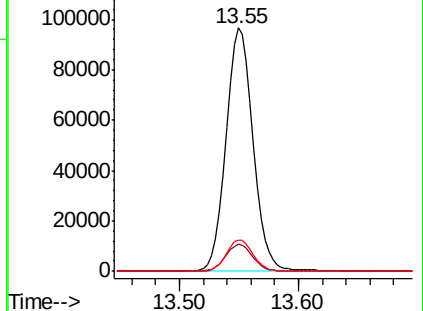
127 12.7 10.5 15.7



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: 5.500 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VV011867.D

Acq: 12 Jul 2019 13:39

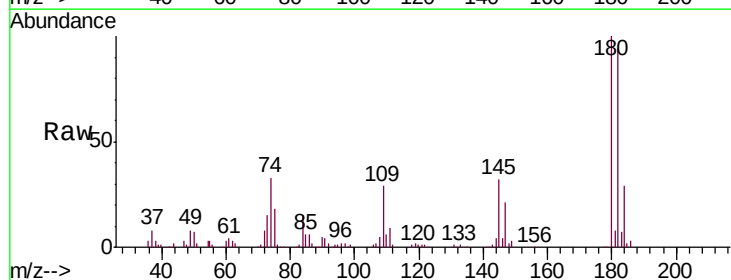
Tgt Ion:180 Resp: 90477

Ion Ratio Lower Upper

180 100

182 93.2 75.0 112.6

145 33.0 25.9 38.9



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

