

Data File : VV012219.D
Acq On : 13 Aug 2019 16:47
Operator : SY/MD
Sample : VSTDICV005
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VICV34

Quant Time: Aug 14 02:52:46 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR081319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Aug 14 02:48:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	233209	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	220358	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	111891	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	65678	4.57	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.40%
7) Chloroethane-d5	1.58	69	50843	4.63	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.60%
11) 1,1-Dichloroethene-d2	2.13	63	116902	4.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	99.40%
20) 2-Butanone-d5	3.97	46	150283	48.43	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.86%
24) Chloroform-d	4.40	84	134690	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.60%
26) 1,2-Dichloroethane-d4	5.08	65	62939	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.60%
32) Benzene-d6	5.10	84	266150	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.40%
36) 1,2-Dichloropropane-d6	6.12	67	78413	4.77	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.40%
41) Toluene-d8	7.36	98	254539	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.00%
43) trans-1,3-Dichloropropene-	7.66	79	30766	4.89	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.80%
46) 2-Hexanone-d5	8.14	63	104347	51.72	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.44%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	53584	4.68	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	88394	4.67	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	120460	5.382	ug/L 98
3) Chloromethane	1.25	50	101254	4.995	ug/L 97
5) Vinyl chloride	1.32	62	104072	4.997	ug/L 99
6) Bromomethane	1.54	94	60231	5.117	ug/L 98
8) Chloroethane	1.60	64	59574	4.959	ug/L 98
9) Trichlorofluoromethane	1.77	101	131370	5.014	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	70865	5.350	ug/L 100
12) 1,1-Dichloroethene	2.14	96	66251	5.400	ug/L 95
13) Acetone	2.23	43	98351	50.859	ug/L 97
14) Carbon disulfide	2.32	76	187969	5.232	ug/L 99
15) Methyl Acetate	2.47	43	22633	4.636	ug/L 96
16) Methylene chloride	2.53	84	61666	4.661	ug/L 98
17) Methyl tert-butyl Ether	2.81	73	177180	5.243	ug/L 99
18) trans-1,2-Dichloroethene	2.78	96	84136	5.141	ug/L 98
19) 1,1-Dichloroethane	3.23	63	157175	5.244	ug/L 99
21) 2-Butanone	4.05	43	202645	51.249	ug/L 99
22) cis-1,2-Dichloroethene	3.96	96	92675	5.128	ug/L 97

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Instrument :
MSVOA_V
ClientSampleId :
VICV34

Quant Time: Aug 14 02:52:46 2019
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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Aug 14 02:48:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	39017	5.064	ug/L	98
25) Chloroform	4.43	83	163843	4.814	ug/L	99
27) 1,2-Dichloroethane	5.18	62	95076	5.087	ug/L	97
29) 1,1,1-Trichloroethane	4.66	97	140467	5.212	ug/L	99
30) Cyclohexane	4.72	56	142625	5.314	ug/L	99
31) Carbon tetrachloride	4.87	117	125853	5.161	ug/L	98
33) Benzene	5.14	78	352490	5.303	ug/L	100
34) Trichloroethene	5.96	95	93468	5.191	ug/L	97
35) Methylcyclohexane	6.17	83	151502	5.416	ug/L	99
37) 1,2-Dichloropropane	6.22	63	86392	5.209	ug/L	100
38) Bromodichloromethane	6.56	83	108126	5.061	ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	122131	5.347	ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	501233	54.973	ug/L	100
42) Toluene	7.43	91	380052	5.374	ug/L	97
44) trans-1,3-Dichloropropene	7.69	75	95178	5.296	ug/L	97
45) 1,1,2-Trichloroethane	7.88	97	58066	5.249	ug/L	98
47) Tetrachloroethene	8.02	164	78126	5.264	ug/L	97
48) 2-Hexanone	8.19	43	361806	56.300	ug/L	99
49) Dibromochloromethane	8.29	129	71390	5.199	ug/L	96
50) 1,2-Dibromoethane	8.40	107	54642	5.114	ug/L	99
51) Chlorobenzene	8.92	112	241773	5.280	ug/L	99
52) Ethylbenzene	9.05	91	408260	5.417	ug/L	100
53) m,p-xylene	9.18	106	157871	5.455	ug/L	95
54) o-xylene	9.59	106	152377	5.564	ug/L	96
55) Styrene	9.60	104	254318	5.557	ug/L	99
56) Isopropylbenzene	9.97	105	402353	5.493	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	67017	5.222	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	50183	5.333	ug/L	99
61) Bromoform	9.77	173	36710	5.089	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	192675	5.173	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	190454	5.130	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	176170	5.155	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	10837	4.981	ug/L	93
67) 1,3,5-Trichlorobenzene	12.69	180	149749	5.324	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	114562	5.480	ug/L	99
69) Naphthalene	13.55	128	173798	5.751	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	109870	5.565	ug/L	98

(#) = 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

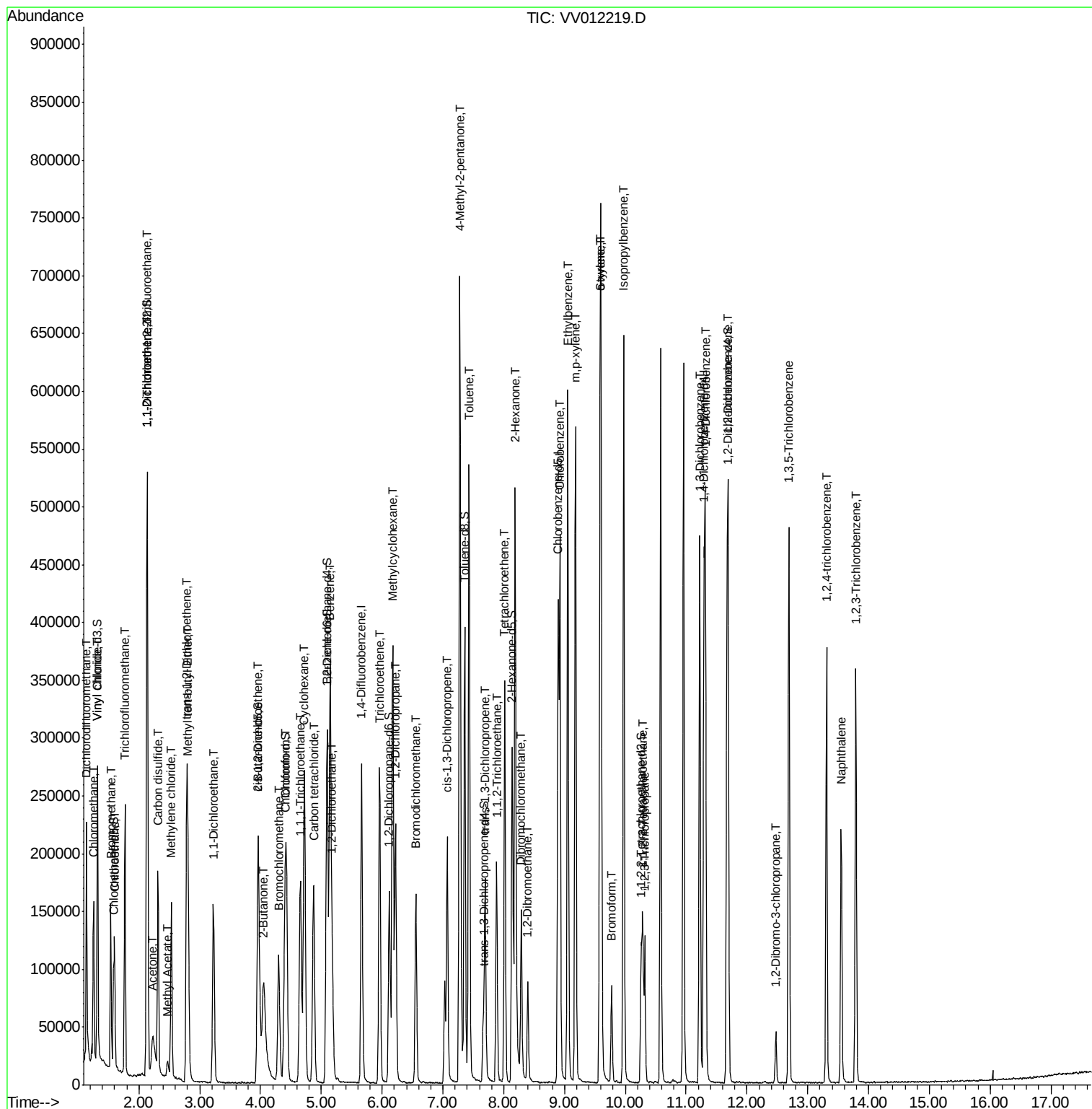
Quant Time: Aug 14 02:52:46 2019

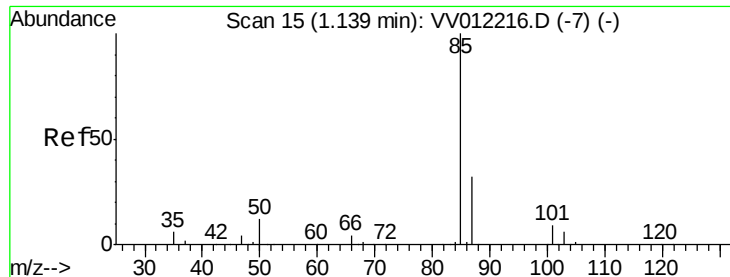
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0MVTR081319WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Wed Aug 14 02:48:55 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 5.382 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV012219.D

Acq: 13 Aug 2019 16:47

Instrument :

MSVOA_V

ClientSampled :

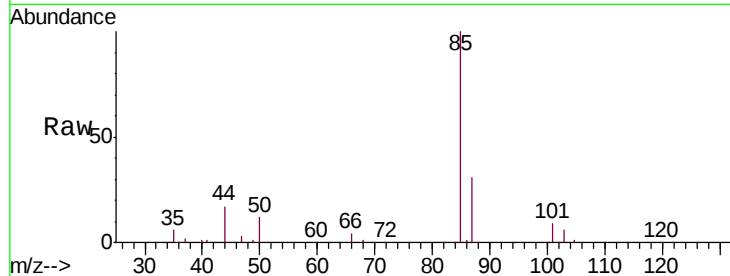
VICV34

Tgt Ion: 85 Resp: 120460

Ion Ratio Lower Upper

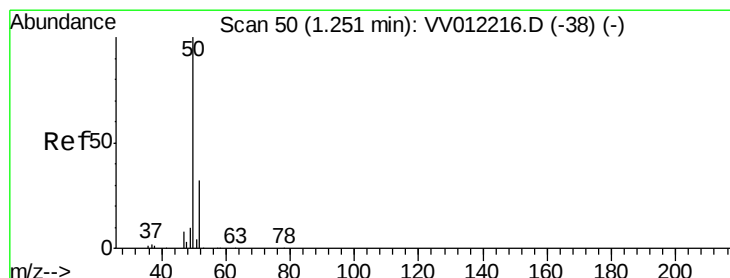
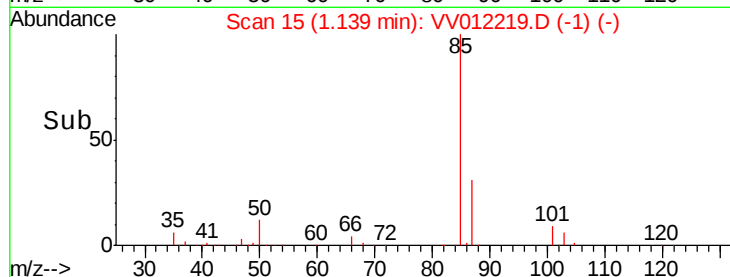
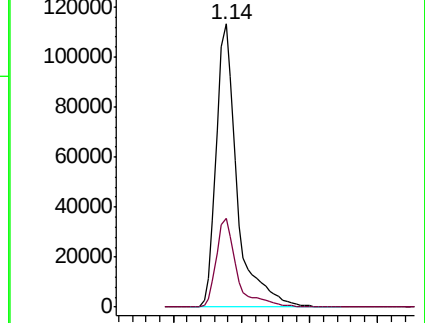
85 100

87 30.9 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 4.995 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV012219.D

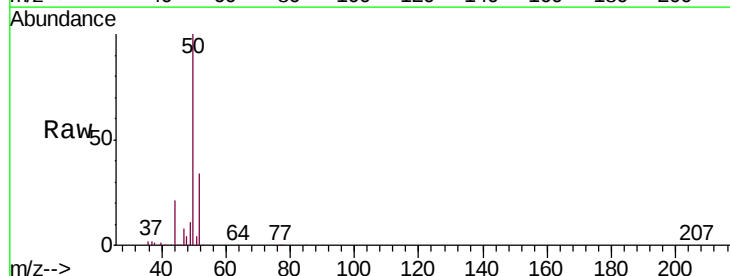
Acq: 13 Aug 2019 16:47

Tgt Ion: 50 Resp: 101254

Ion Ratio Lower Upper

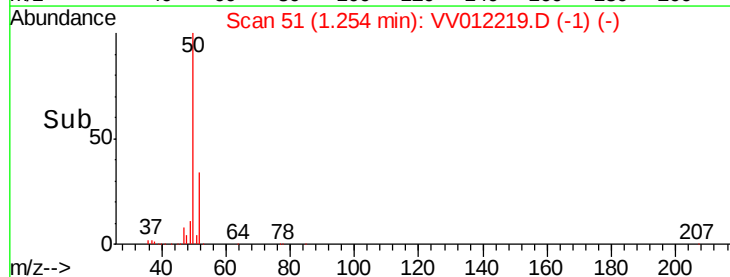
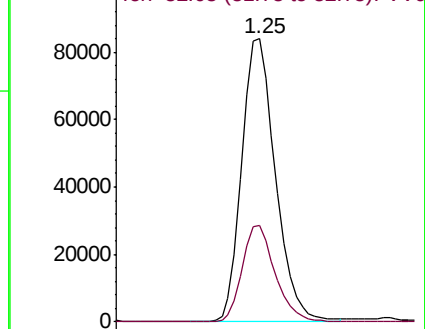
50 100

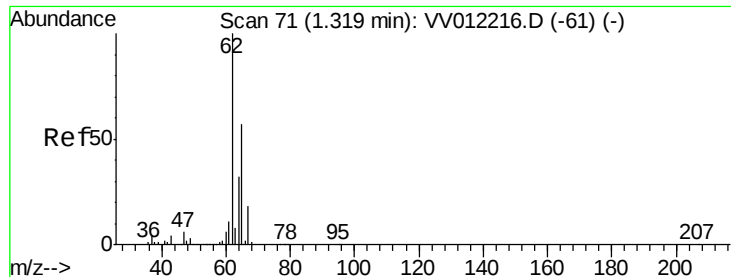
52 34.0 22.6 42.0



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 4.997 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV012219.D

Acq: 13 Aug 2019 16:47

Instrument :

MSVOA_V

ClientSampled :

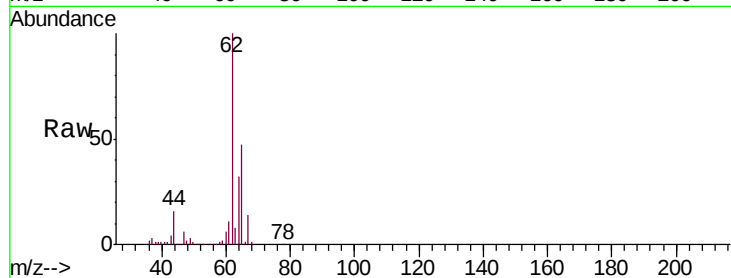
VICV34

Tgt Ion: 62 Resp: 104072

Ion Ratio Lower Upper

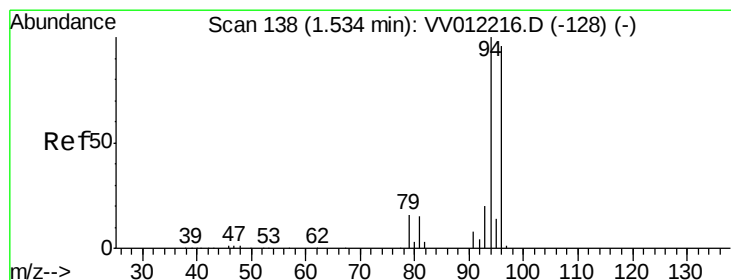
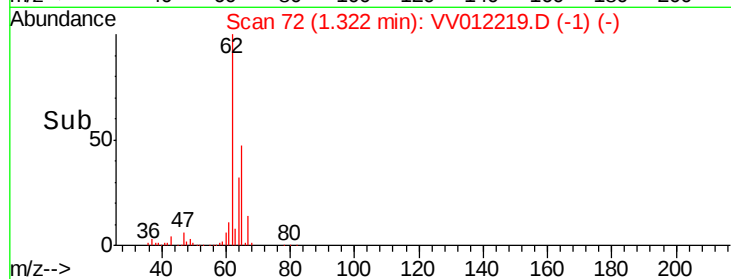
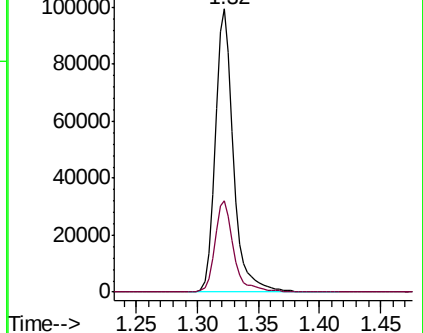
62 100

64 32.1 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 5.117 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV012219.D

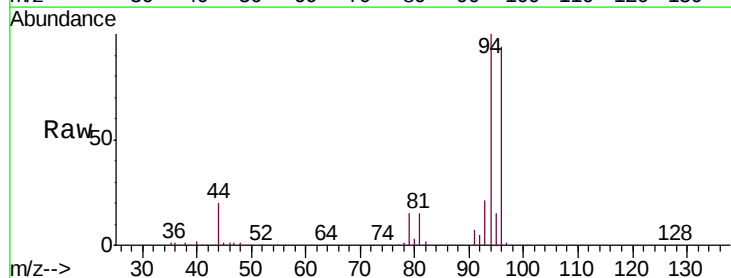
Acq: 13 Aug 2019 16:47

Tgt Ion: 94 Resp: 60231

Ion Ratio Lower Upper

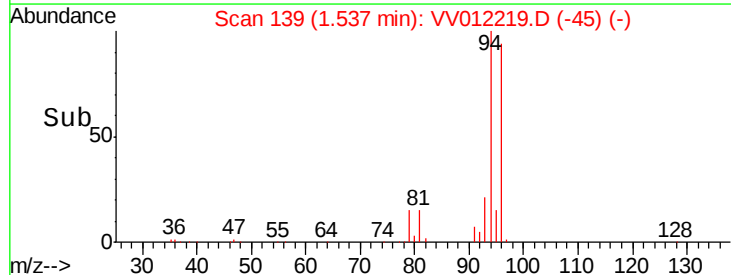
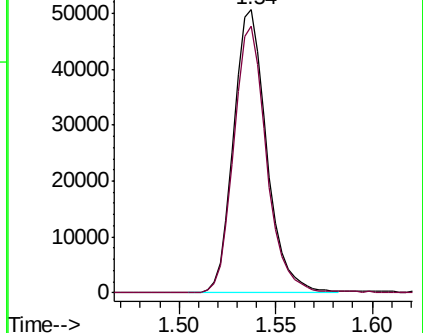
94 100

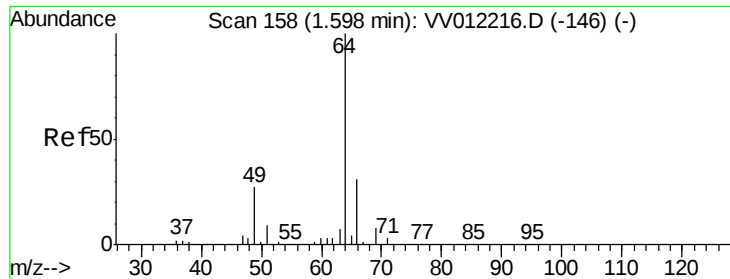
96 94.4 67.3 125.1



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

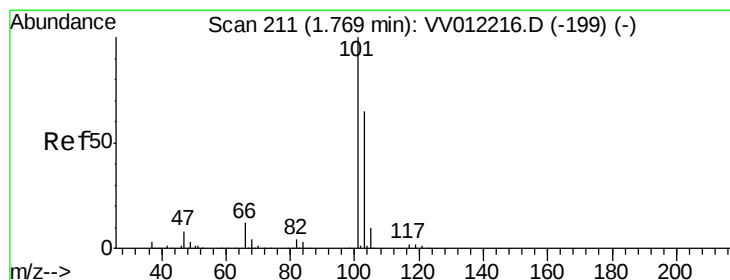
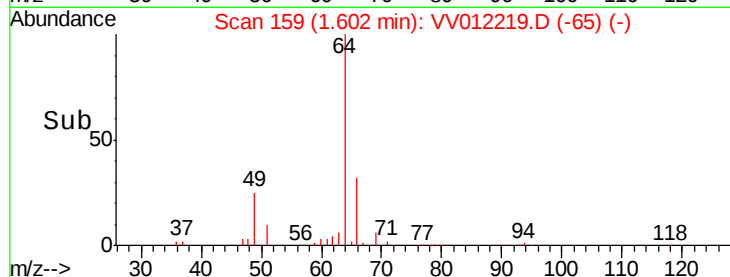
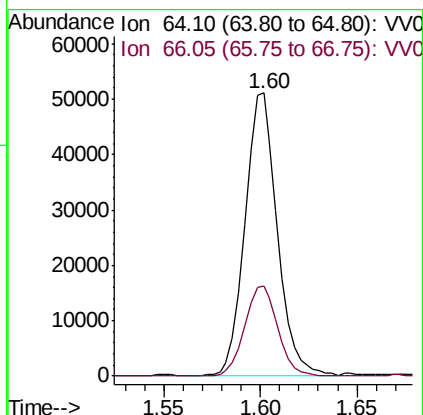
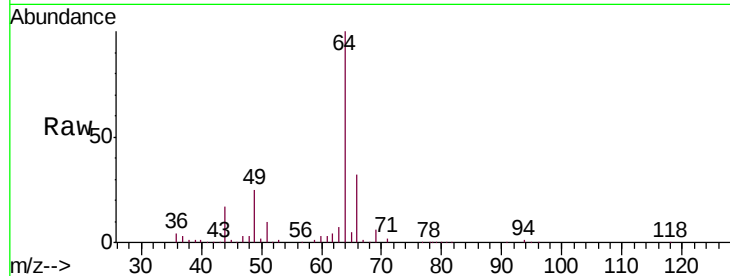




#8
 Chloroethane
 Concen: 4.959 ug/L
 RT: 1.60 min Scan# 159
 Delta R.T. 0.00 min
 Lab File: VV012219.D
 Acq: 13 Aug 2019 16:47

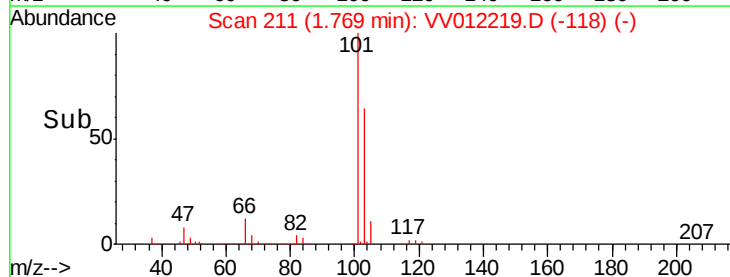
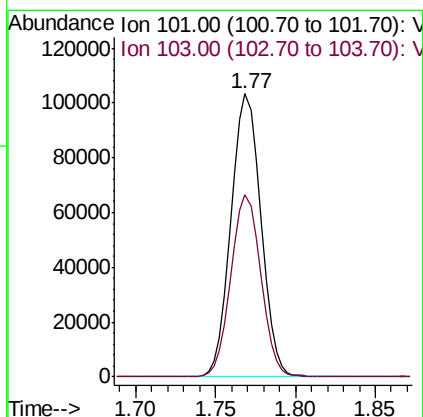
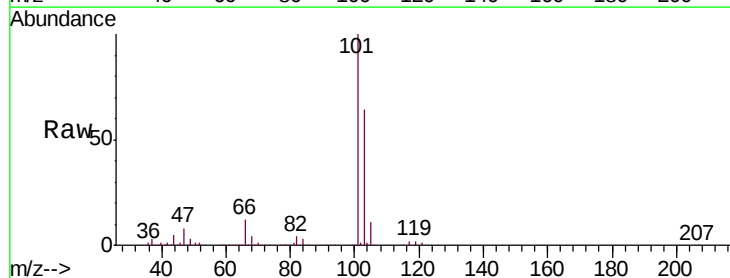
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV34

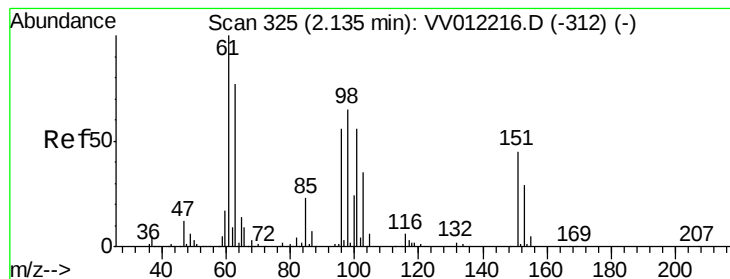
Tgt Ion: 64 Resp: 59574
 Ion Ratio Lower Upper
 64 100
 66 32.1 21.8 40.4



#9
 Trichlorofluoromethane
 Concen: 5.014 ug/L
 RT: 1.77 min Scan# 211
 Delta R.T. -0.00 min
 Lab File: VV012219.D
 Acq: 13 Aug 2019 16:47

Tgt Ion: 101 Resp: 131370
 Ion Ratio Lower Upper
 101 100
 103 64.3 52.0 78.0





#10

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

Concen: 5.350 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012219.D

Acq: 13 Aug 2019 16:47

Instrument :

MSVOA_V

ClientSampleId :

VICV34

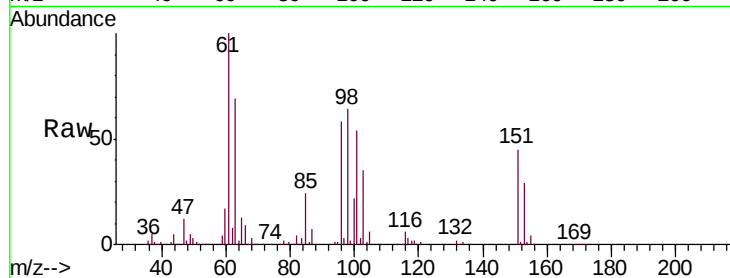
Tgt Ion: 101 Resp: 70865

Ion Ratio Lower Upper

101 100

85 42.1 33.7 50.5

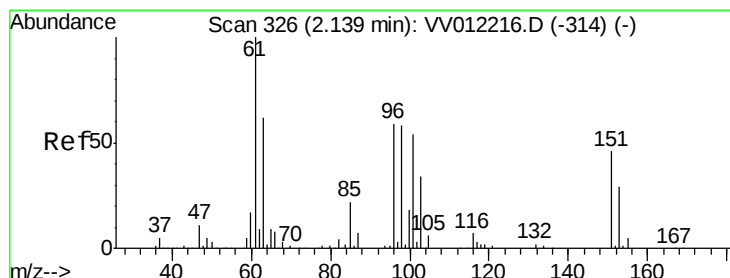
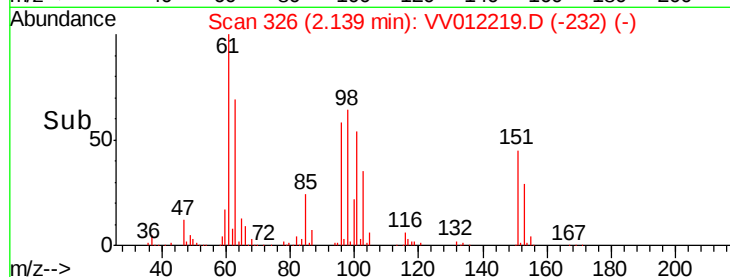
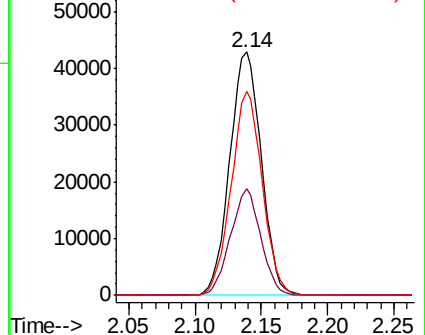
151 82.5 66.3 99.5



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: 5.400 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV012219.D

Acq: 13 Aug 2019 16:47

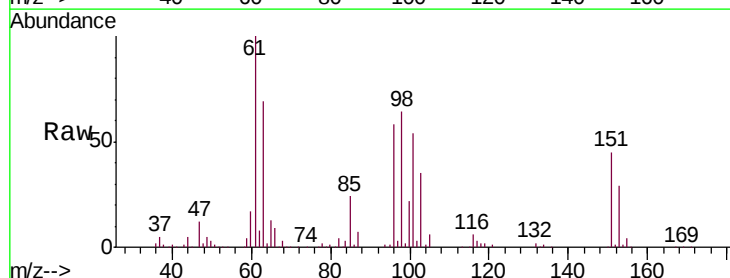
Tgt Ion: 96 Resp: 66251

Ion Ratio Lower Upper

96 100

61 172.2 119.3 221.5

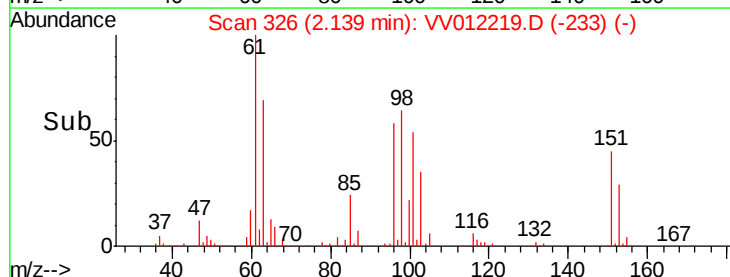
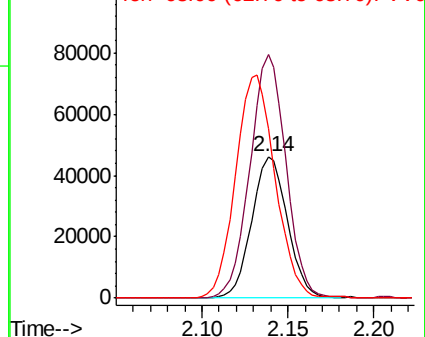
63 119.5 74.9 139.1

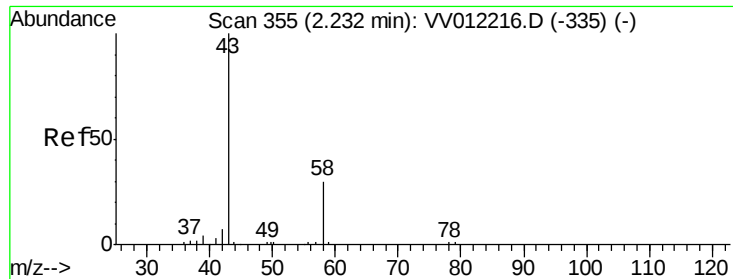


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 50.859 ug/L

RT: 2.23 min Scan# 354

Delta R.T. -0.00 min

Lab File: VV012219.D

Acq: 13 Aug 2019 16:47

Instrument :

MSVOA_V

ClientSampleId :

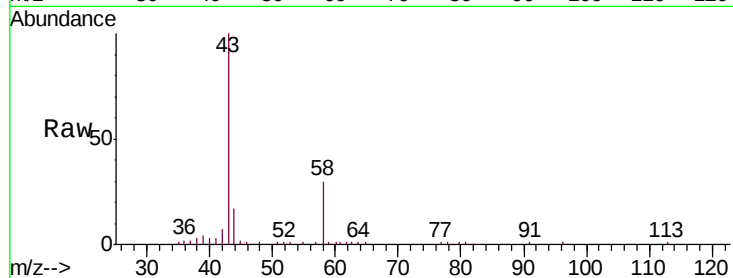
VICV34

Tgt Ion: 43 Resp: 98351

Ion Ratio Lower Upper

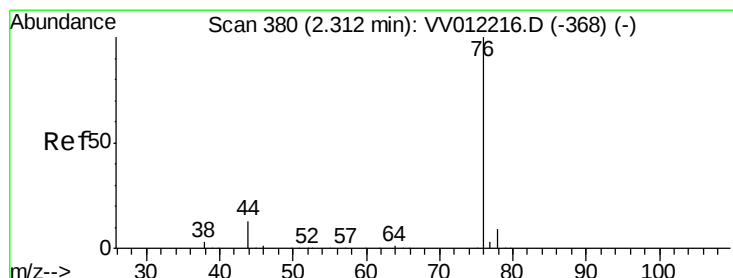
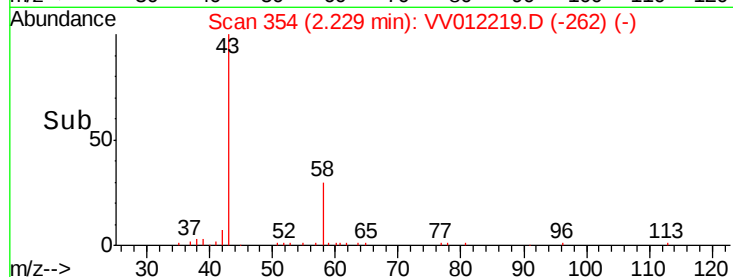
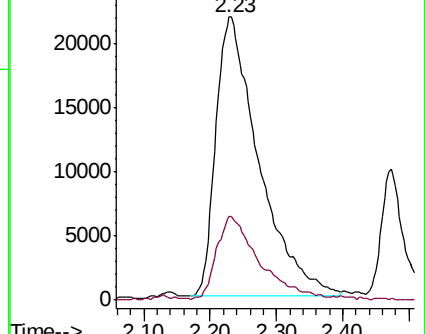
43 100

58 28.1 0.0 59.4



Abundance Ion 43.05 (42.75 to 43.75): VV012216.D (-335) (-)

Ion 58.05 (57.75 to 58.75): VV012216.D (-335) (-)



#14

Carbon disulfide

Concen: 5.232 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV012219.D

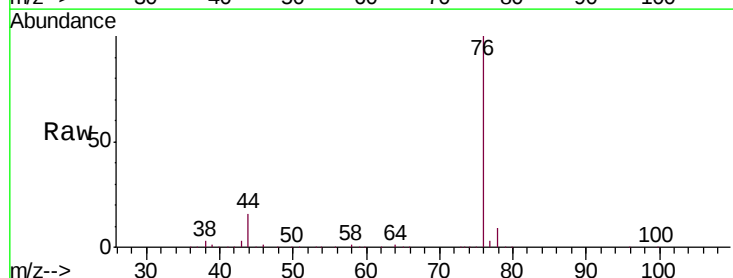
Acq: 13 Aug 2019 16:47

Tgt Ion: 76 Resp: 187969

Ion Ratio Lower Upper

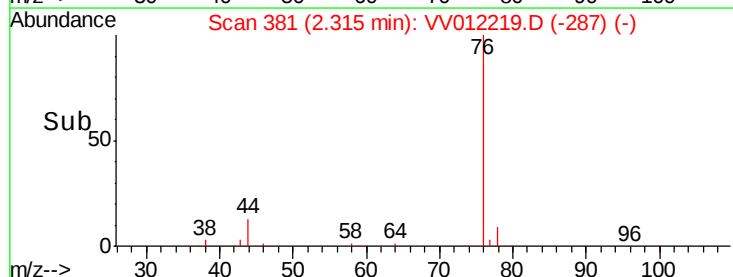
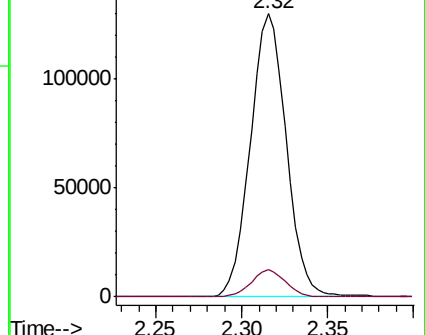
76 100

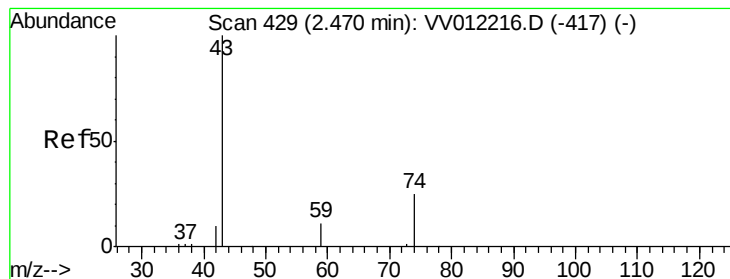
78 9.5 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VV012216.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VV012216.D (-368) (-)





#15

Methyl Acetate

Concen: 4.636 ug/L

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VV012219.D

Acq: 13 Aug 2019 16:47

Instrument :

MSVOA_V

ClientSampleId :

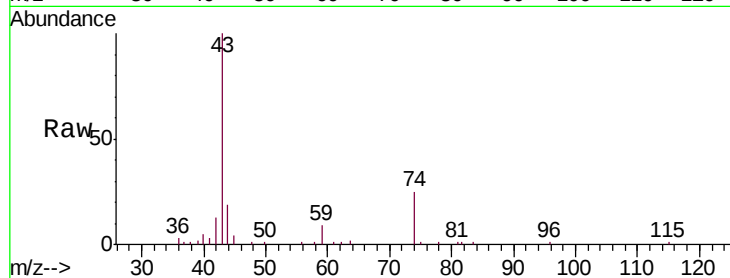
VICV34

Tgt Ion: 43 Resp: 22633

Ion Ratio Lower Upper

43 100

74 27.2 20.3 30.5



Abundance Ion 43.05 (42.75 to 43.75): VV012219.D (-417) (-)

Ion 74.05 (73.75 to 74.75): VV012219.D (-417) (-)

2.47

12000

10000

8000

6000

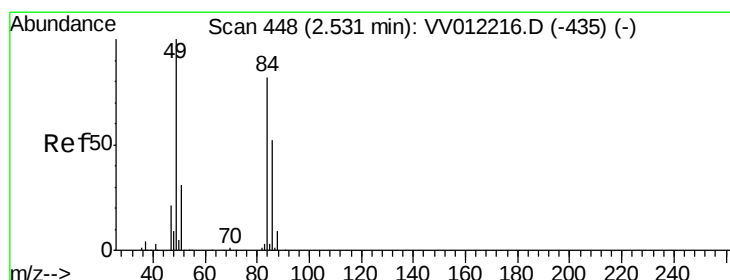
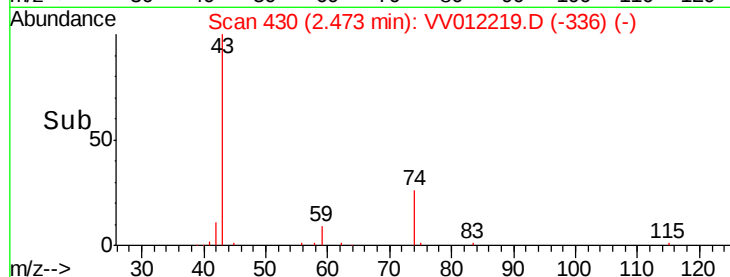
4000

2000

0

Time-->

2.40 2.45 2.50 2.55 2.60



#16

Methylene chloride

Concen: 4.661 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV012219.D

Acq: 13 Aug 2019 16:47

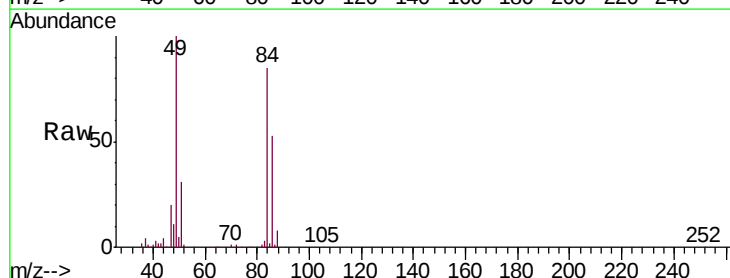
Tgt Ion: 84 Resp: 61666

Ion Ratio Lower Upper

84 100

86 62.8 44.4 82.5

49 118.2 85.1 158.1



Abundance Ion 84.05 (83.75 to 84.75): VV012219.D (-435) (-)

Ion 86.00 (85.70 to 86.70): VV012219.D (-435) (-)

Ion 49.10 (48.80 to 49.80): VV012219.D (-435) (-)

2.53

60000

50000

40000

30000

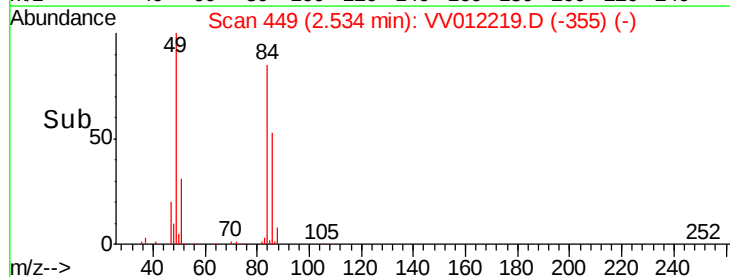
20000

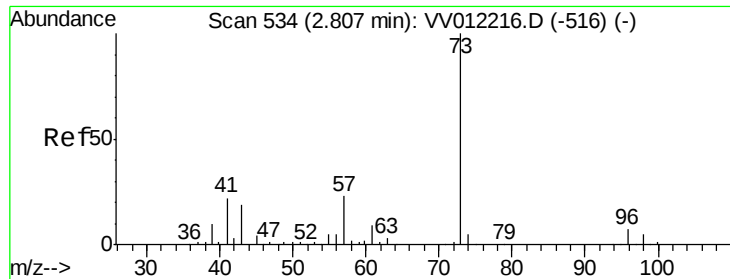
10000

0

Time-->

2.50 2.55 2.60

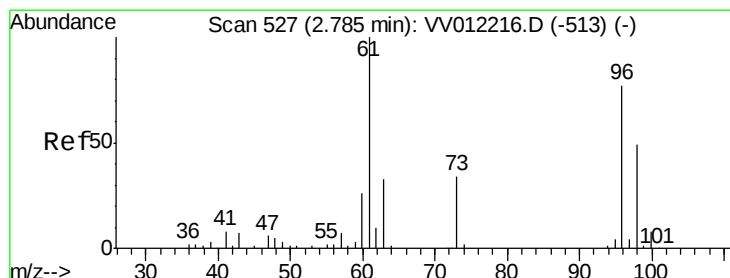
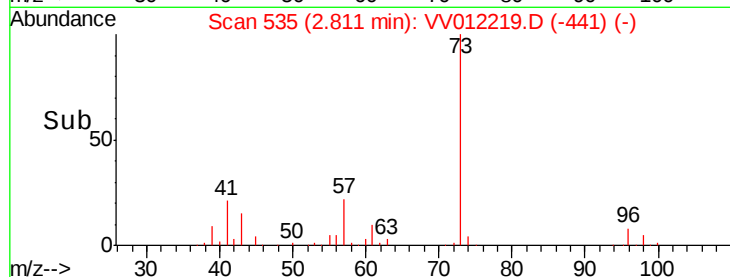
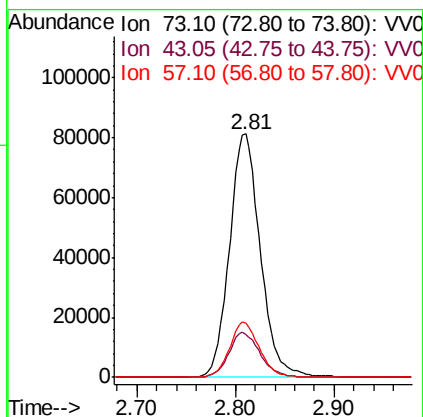
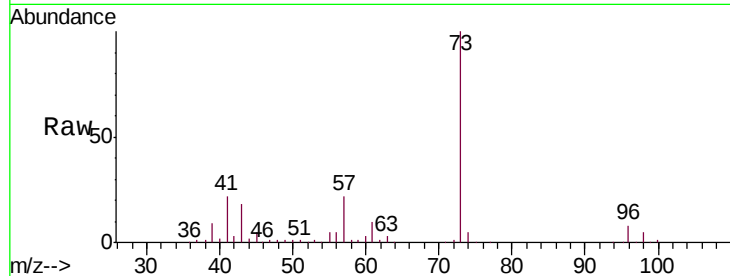




#17
Methyl tert-butyl Ether
Concen: 5.243 ug/L
RT: 2.81 min Scan# 535
Delta R.T. 0.00 min
Lab File: VV012219.D
Acq: 13 Aug 2019 16:47

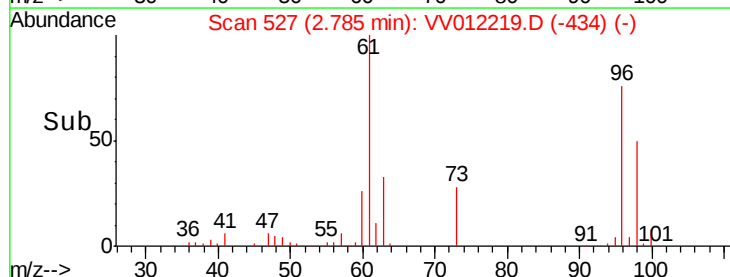
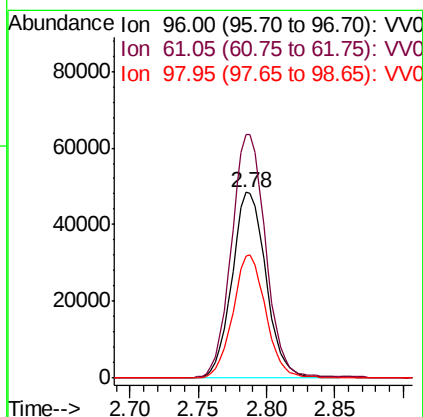
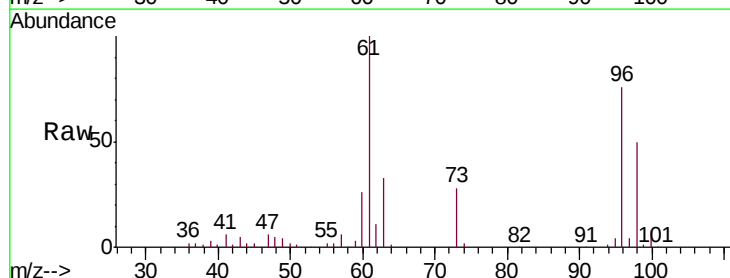
Instrument :
MSVOA_V
ClientSampled :
VICV34

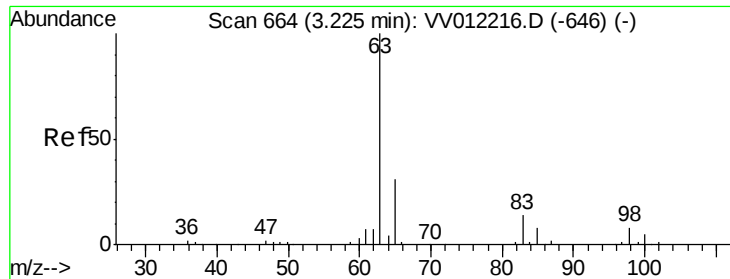
Tgt Ion: 73 Resp: 177180
Ion Ratio Lower Upper
73 100
43 18.9 15.4 23.0
57 21.8 17.8 26.6



#18
trans-1,2-Dichloroethene
Concen: 5.141 ug/L
RT: 2.78 min Scan# 527
Delta R.T. -0.00 min
Lab File: VV012219.D
Acq: 13 Aug 2019 16:47

Tgt Ion: 96 Resp: 84136
Ion Ratio Lower Upper
96 100
61 131.1 90.8 168.6
98 65.7 44.4 82.4

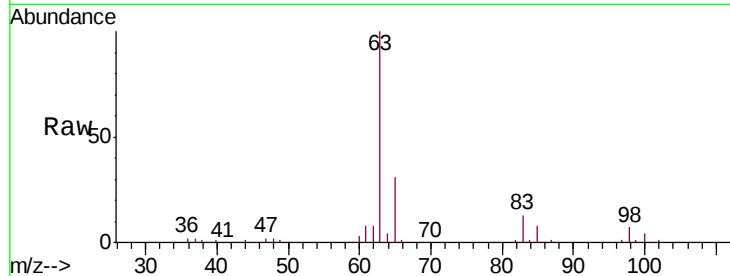




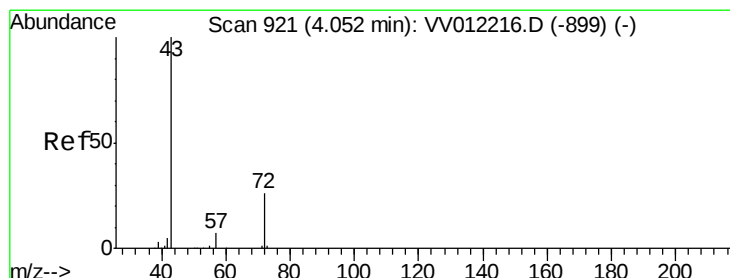
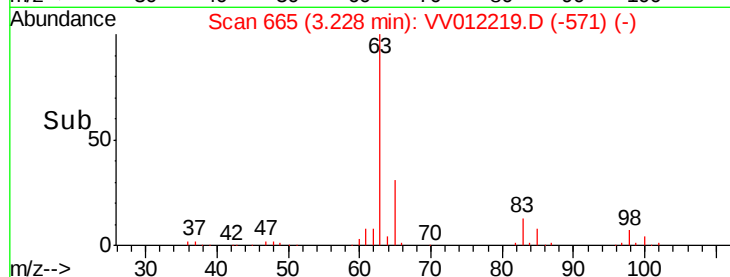
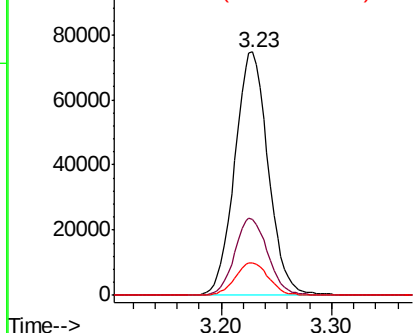
#19
 1,1-Dichloroethane
 Concen: 5.244 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV012219.D
 Acq: 13 Aug 2019 16:47

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV34

Tgt Ion: 63 Resp: 157175
 Ion Ratio Lower Upper
 63 100
 65 31.2 21.7 40.3
 83 13.4 10.1 18.9

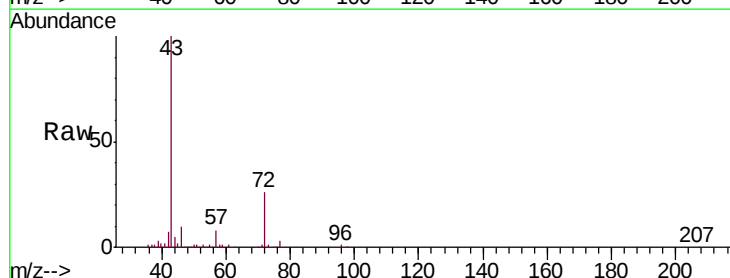


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

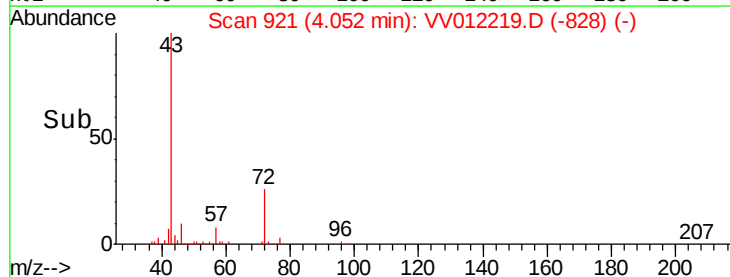
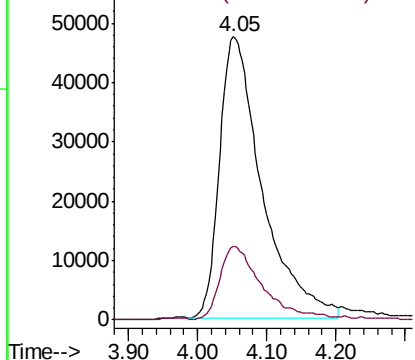


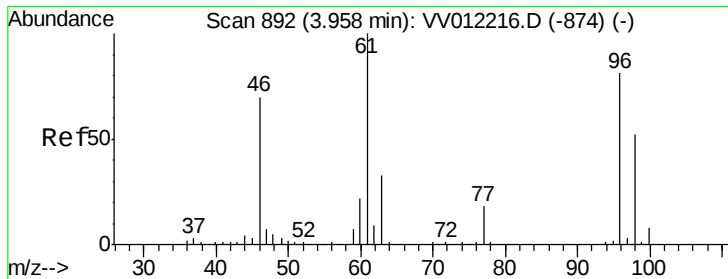
#21
 2-Butanone
 Concen: 51.249 ug/L
 RT: 4.05 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VV012219.D
 Acq: 13 Aug 2019 16:47

Tgt Ion: 43 Resp: 202645
 Ion Ratio Lower Upper
 43 100
 72 25.1 12.9 38.7



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



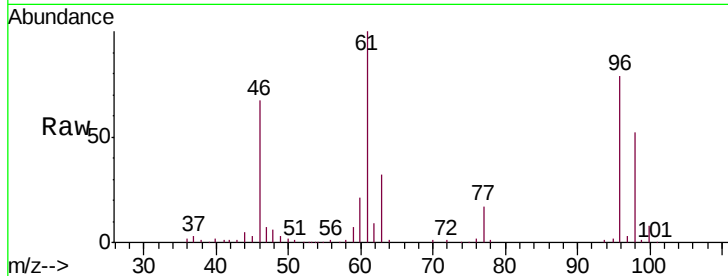


#22

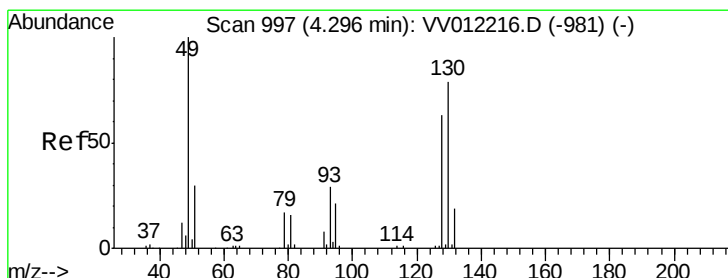
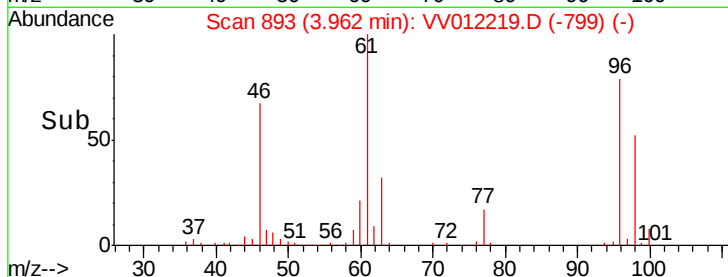
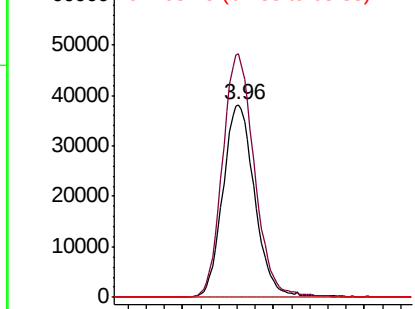
cis-1,2-Dichloroethene
Concen: 5.128 ug/L
RT: 3.96 min Scan# 893
Delta R.T. 0.00 min
Lab File: VV012219.D
Acq: 13 Aug 2019 16:47

Instrument :
MSVOA_V
ClientSampleId :
VICV34

Tgt Ion: 96 Resp: 92675
Ion Ratio Lower Upper
96 100
61 126.3 86.0 159.6
68 0.0 0.0 0.0



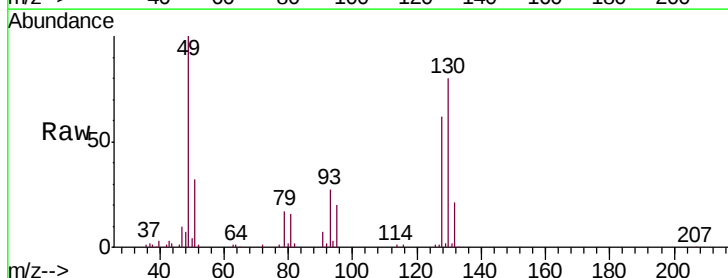
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



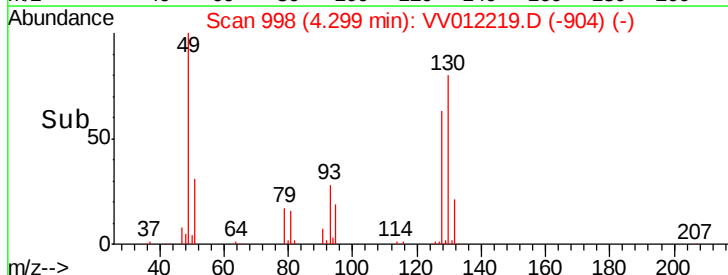
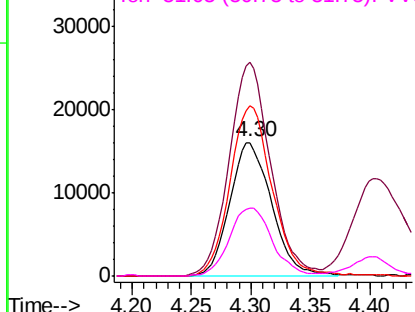
#23

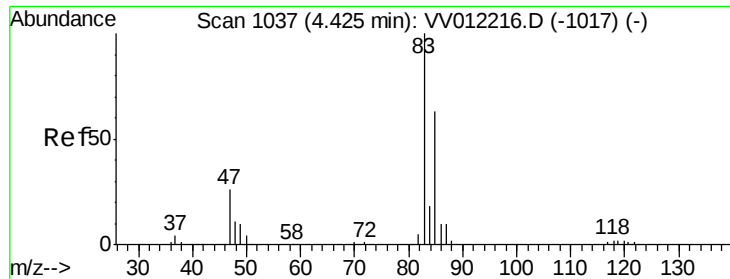
Bromochloromethane
Concen: 5.064 ug/L
RT: 4.30 min Scan# 998
Delta R.T. 0.00 min
Lab File: VV012219.D
Acq: 13 Aug 2019 16:47

Tgt Ion: 128 Resp: 39017
Ion Ratio Lower Upper
128 100
49 160.0 111.5 207.1
130 127.3 87.4 162.4
51 51.0 38.2 57.2



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

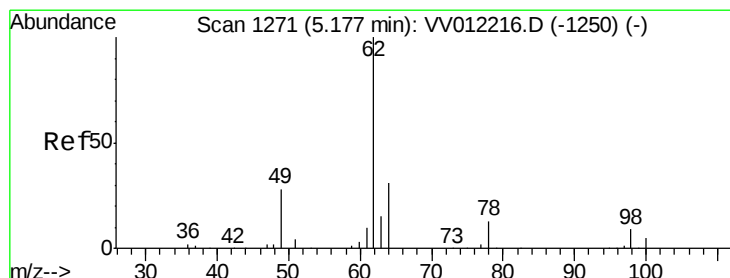
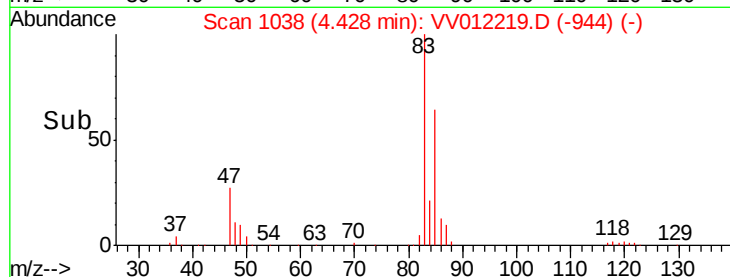
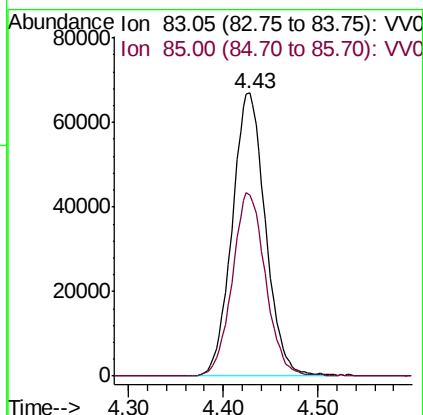
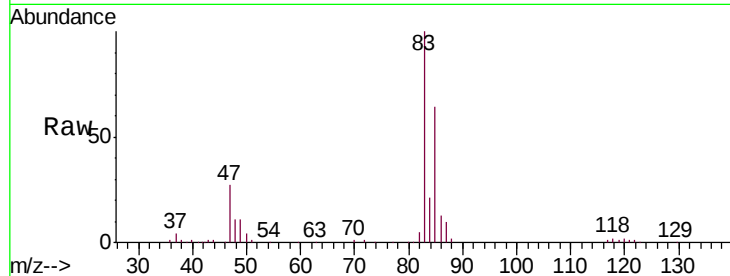




#25
Chloroform
Concen: 4.814 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV012219.D
Acq: 13 Aug 2019 16:47

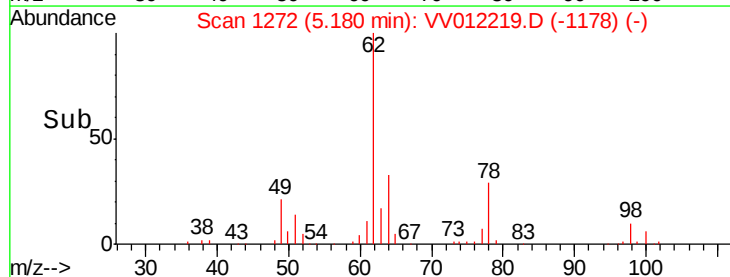
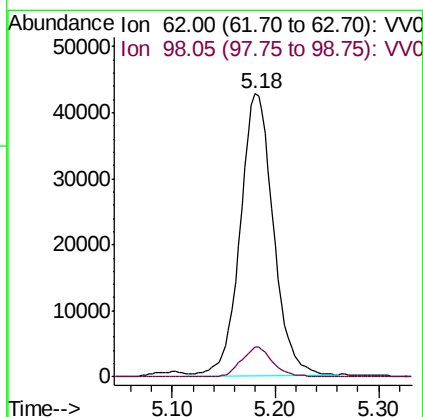
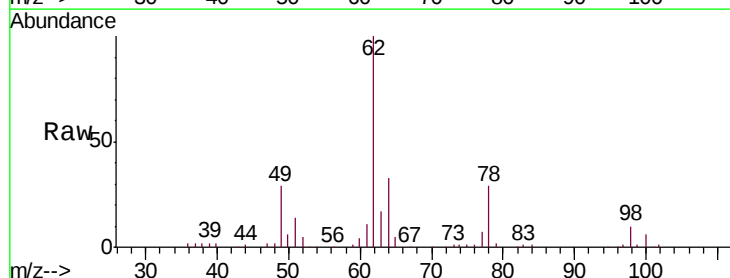
Instrument :
MSVOA_V
ClientSampleId :
VICV34

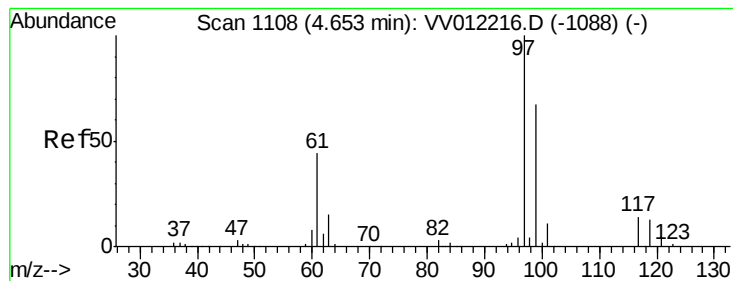
Tgt Ion: 83 Resp: 163843
Ion Ratio Lower Upper
83 100
85 64.0 44.3 82.3



#27
1,2-Dichloroethane
Concen: 5.087 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV012219.D
Acq: 13 Aug 2019 16:47

Tgt Ion: 62 Resp: 95076
Ion Ratio Lower Upper
62 100
98 10.5 7.5 11.3





#29

1,1,1-Trichloroethane

Concen: 5.212 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VV012219.D

Acq: 13 Aug 2019 16:47

Instrument :

MSVOA_V

ClientSampleId :

VICV34

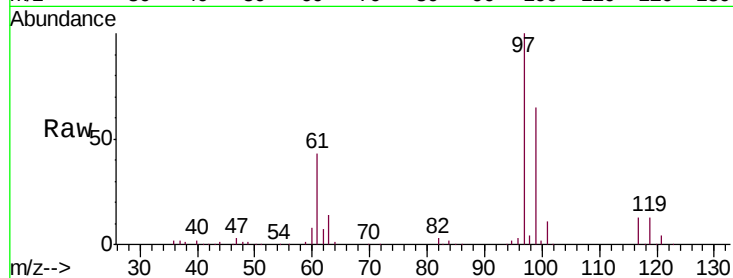
Tgt Ion: 97 Resp: 140467

Ion Ratio Lower Upper

97 100

99 63.8 52.1 78.1

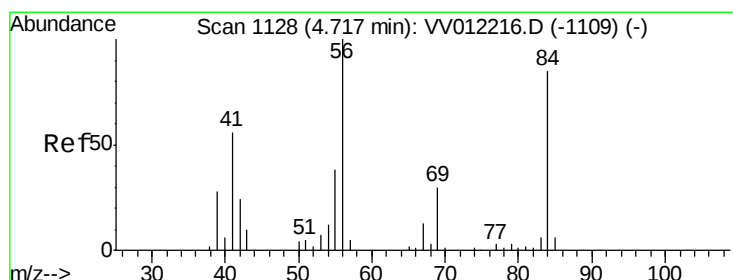
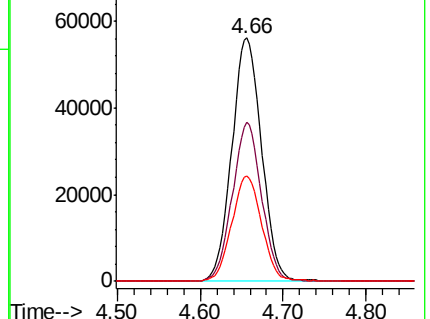
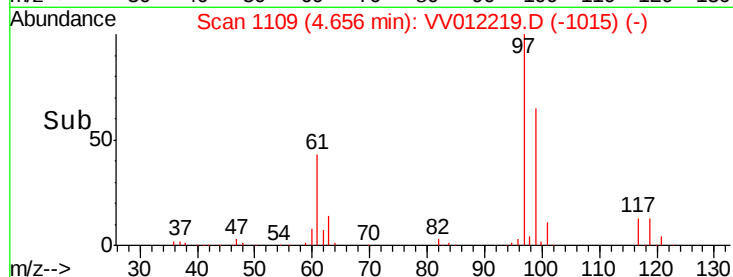
61 43.5 35.4 53.0



Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0



#30

Cyclohexane

Concen: 5.314 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. 0.01 min

Lab File: VV012219.D

Acq: 13 Aug 2019 16:47

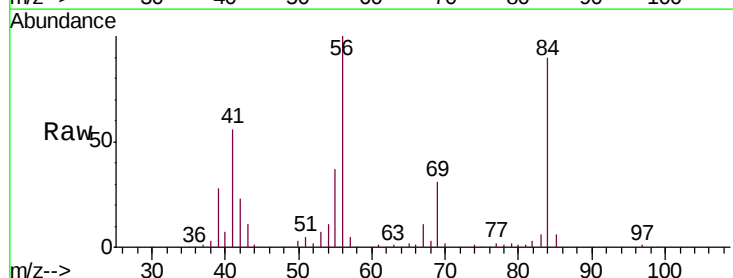
Tgt Ion: 56 Resp: 142625

Ion Ratio Lower Upper

56 100

69 31.4 24.6 36.8

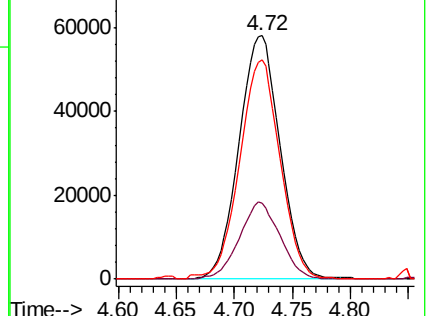
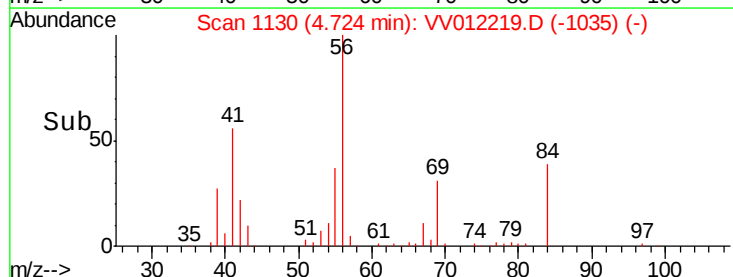
84 89.1 71.0 106.6

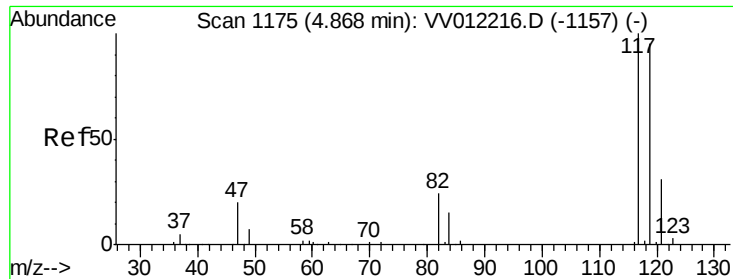


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 5.161 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VV012219.D

Acq: 13 Aug 2019 16:47

Instrument :

MSVOA_V

ClientSampleId :

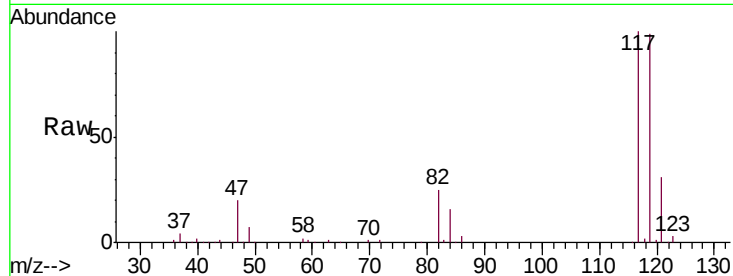
VICV34

Tgt Ion:117 Resp: 125853

Ion Ratio Lower Upper

117 100

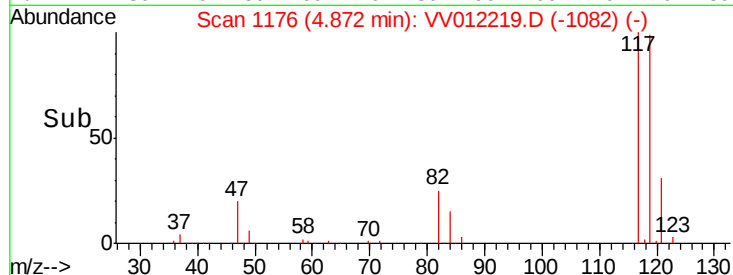
119 95.8 77.9 116.9



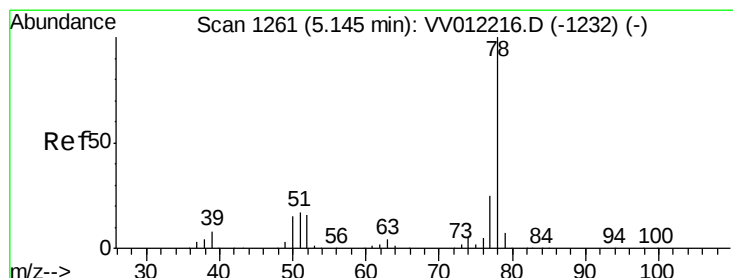
Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.87



Time-->



#33

Benzene

Concen: 5.303 ug/L

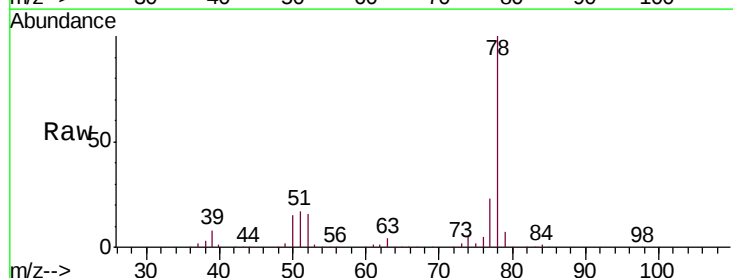
RT: 5.14 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VV012219.D

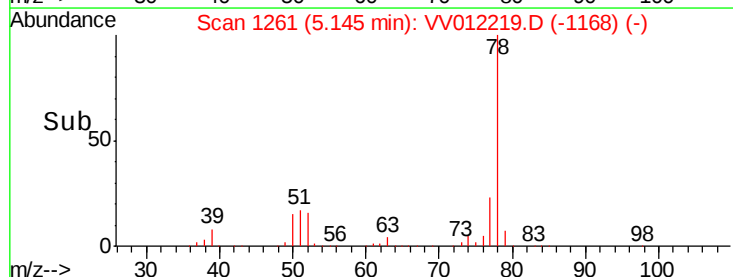
Acq: 13 Aug 2019 16:47

Tgt Ion: 78 Resp: 352490

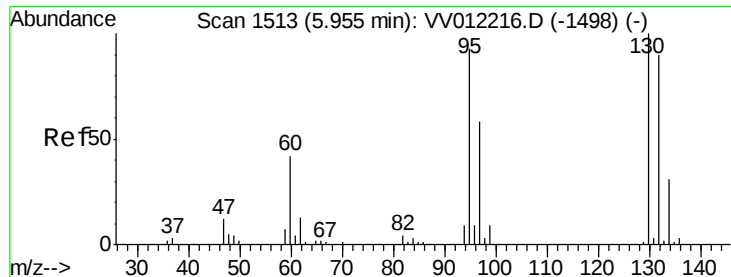


Abundance Ion 78.10 (77.80 to 78.80): VV0

5.14



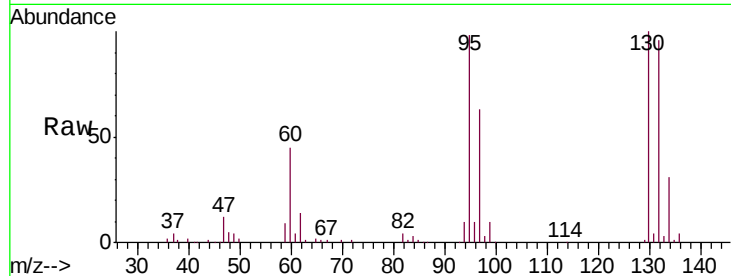
Time-->



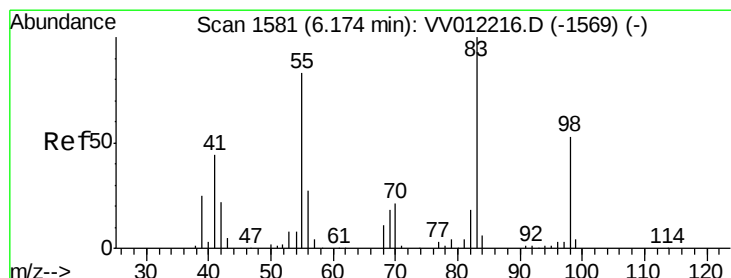
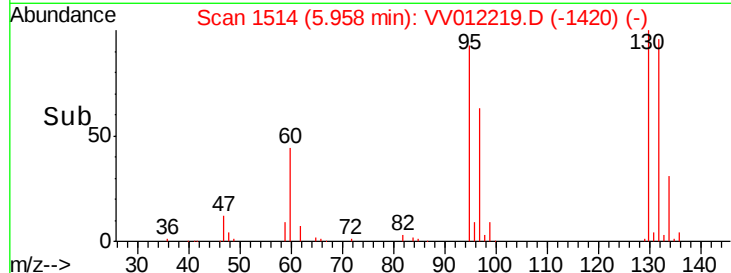
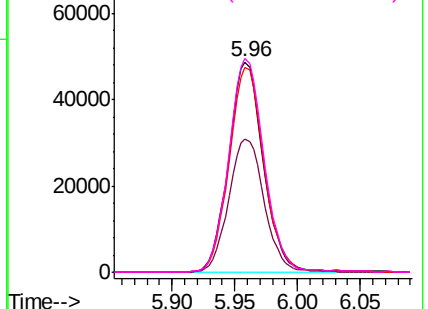
#34
 Trichloroethene
 Concen: 5.191 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV012219.D
 Acq: 13 Aug 2019 16:47

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV34

Tgt Ion: 95 Resp: 93468
 Ion Ratio Lower Upper
 95 100
 97 63.5 43.3 80.3
 132 97.6 67.5 125.3
 130 101.5 74.9 139.1

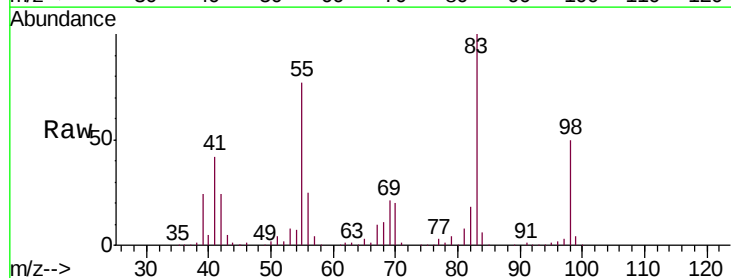


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

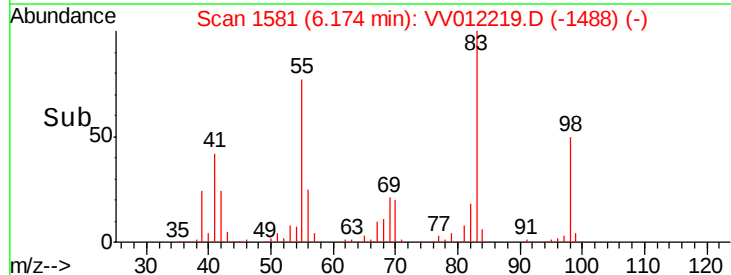
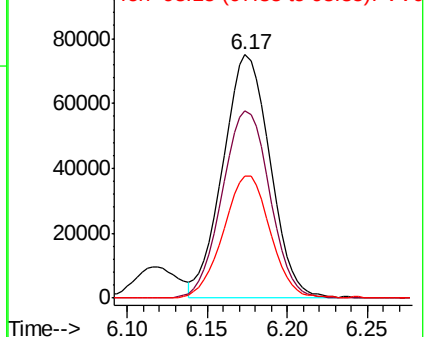


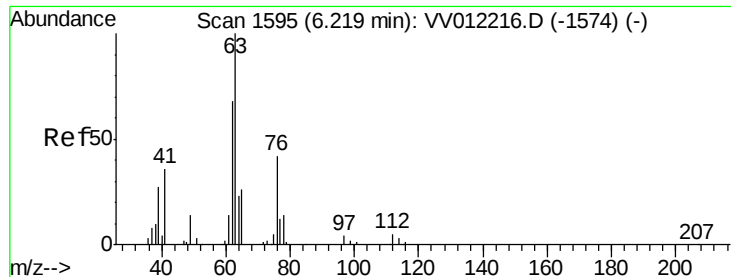
#35
 Methylcyclohexane
 Concen: 5.416 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VV012219.D
 Acq: 13 Aug 2019 16:47

Tgt Ion: 83 Resp: 151502
 Ion Ratio Lower Upper
 83 100
 55 77.9 62.2 93.2
 98 50.1 39.2 58.8



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: 5.209 ug/L

RT: 6.22 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VV012219.D

Acq: 13 Aug 2019 16:47

Instrument :

MSVOA_V

ClientSampleId :

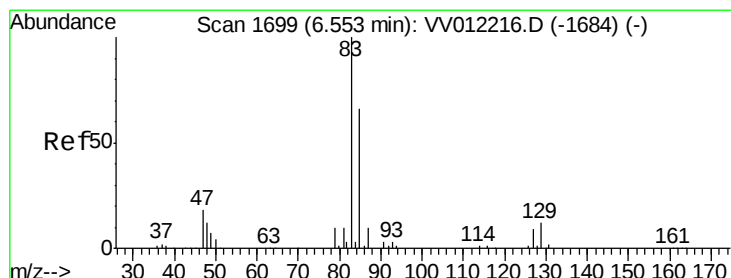
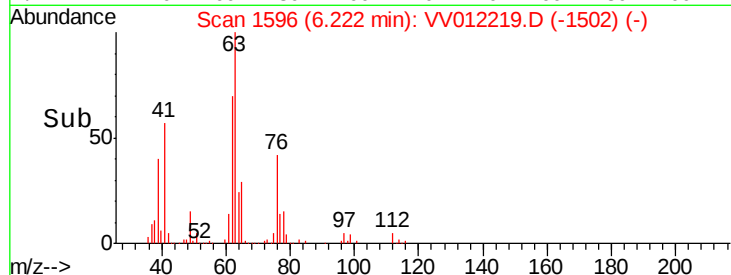
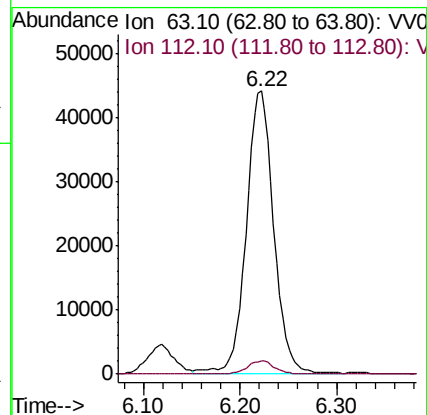
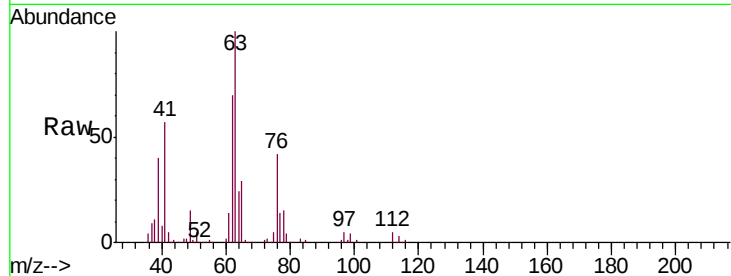
VICV34

Tgt Ion: 63 Resp: 86392

Ion Ratio Lower Upper

63 100

112 4.6 3.8 5.8



#38

Bromodichloromethane

Concen: 5.061 ug/L

RT: 6.56 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VV012219.D

Acq: 13 Aug 2019 16:47

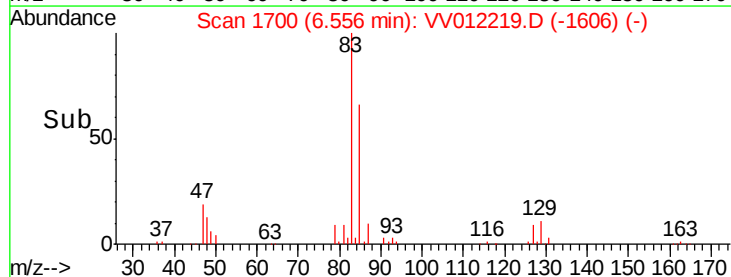
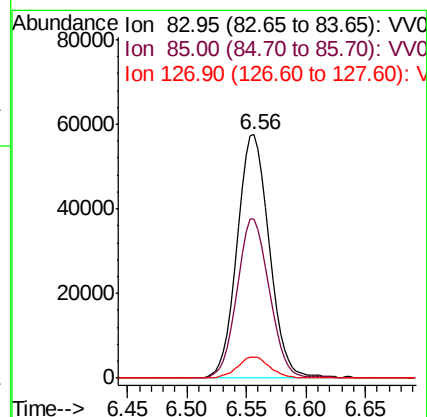
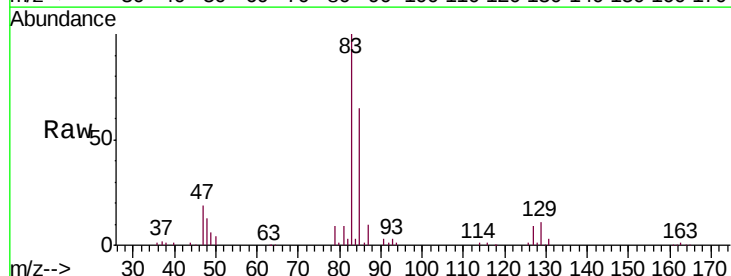
Tgt Ion: 83 Resp: 108126

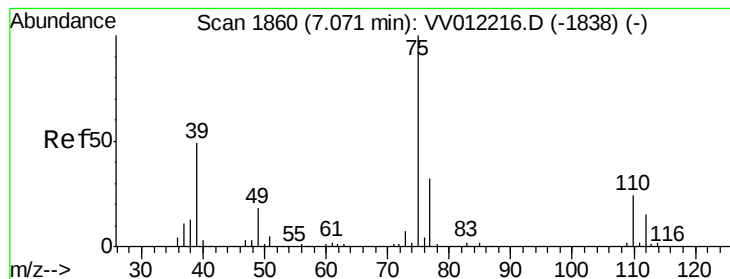
Ion Ratio Lower Upper

83 100

85 65.4 45.9 85.3

127 8.8 7.4 11.2





#39

cis-1,3-Dichloropropene

Concen: 5.347 ug/L

RT: 7.07 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VV012219.D

Acq: 13 Aug 2019 16:47

Instrument :

MSVOA_V

ClientSampleId :

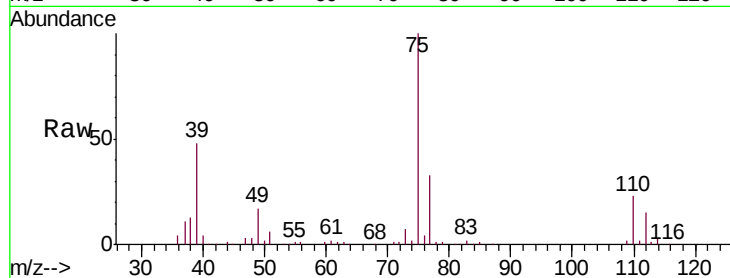
VICV34

Tgt Ion: 75 Resp: 122131

Ion Ratio Lower Upper

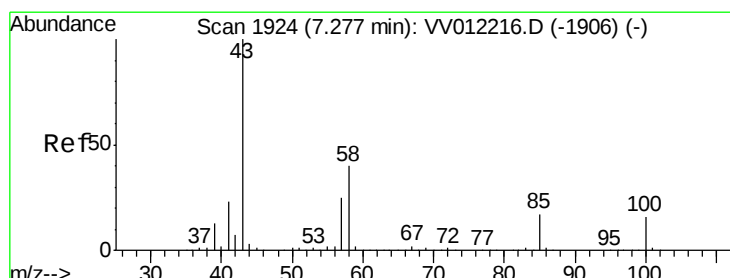
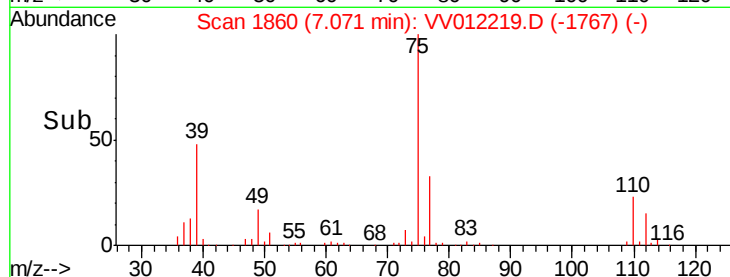
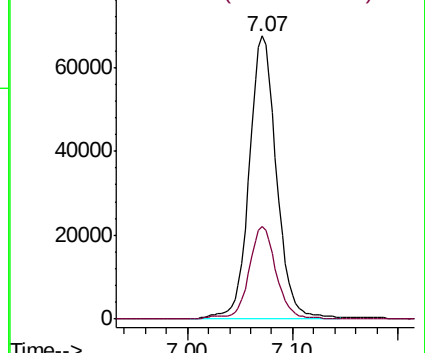
75 100

77 32.5 22.2 41.2



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: 54.973 ug/L

RT: 7.28 min Scan# 1924

Delta R.T. -0.00 min

Lab File: VV012219.D

Acq: 13 Aug 2019 16:47

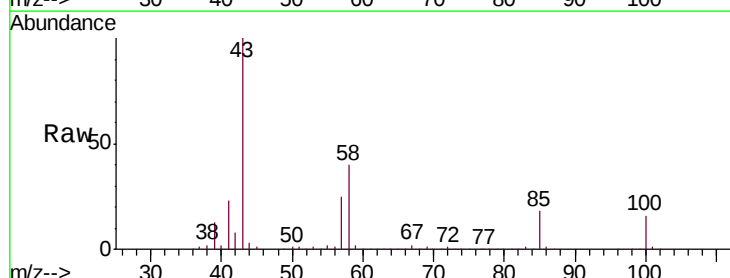
Tgt Ion: 43 Resp: 501233

Ion Ratio Lower Upper

43 100

58 38.4 30.7 46.1

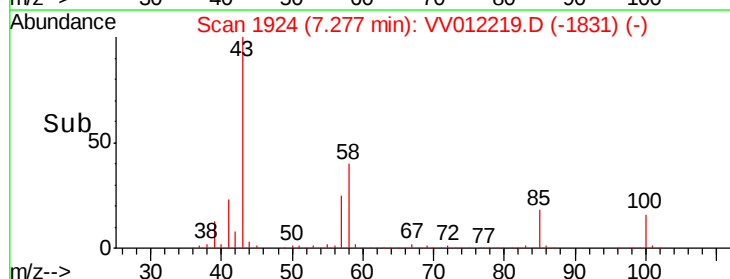
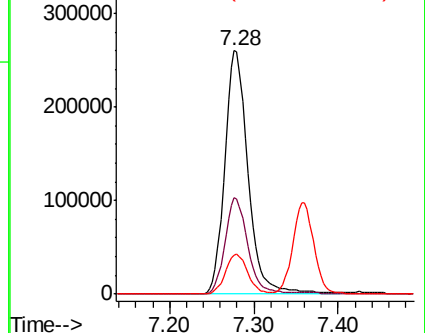
100 15.7 12.5 18.7

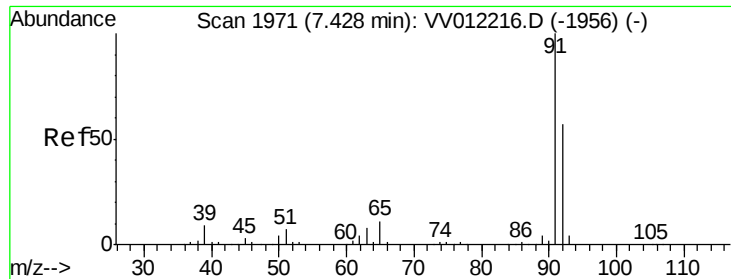


Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 100.15 (99.85 to 100.85): VV0





#42

Toluene

Concen: 5.374 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV012219.D

Acq: 13 Aug 2019 16:47

Instrument :

MSVOA_V

ClientSampleId :

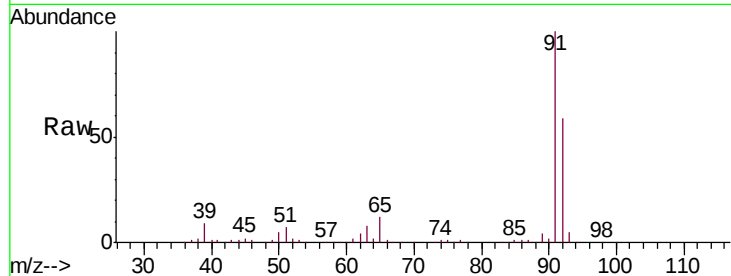
VICV34

Tgt Ion: 91 Resp: 380052

Ion Ratio Lower Upper

91 100

92 59.4 39.8 73.8



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.43

250000

200000

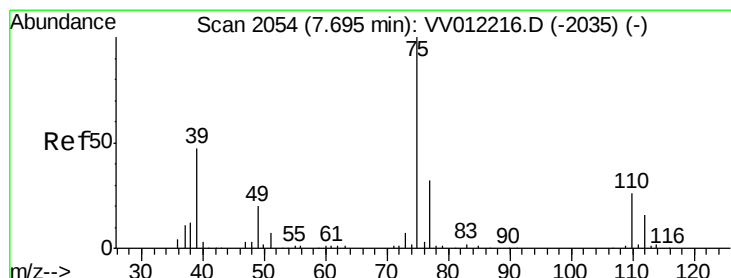
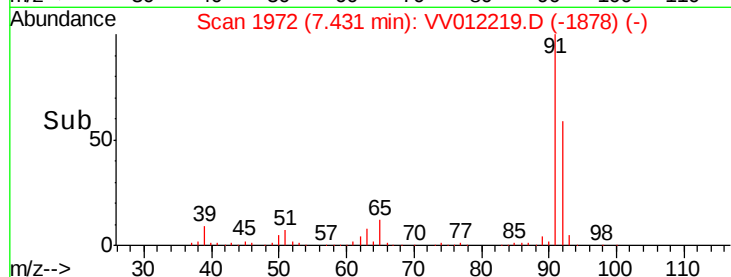
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.296 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. -0.00 min

Lab File: VV012219.D

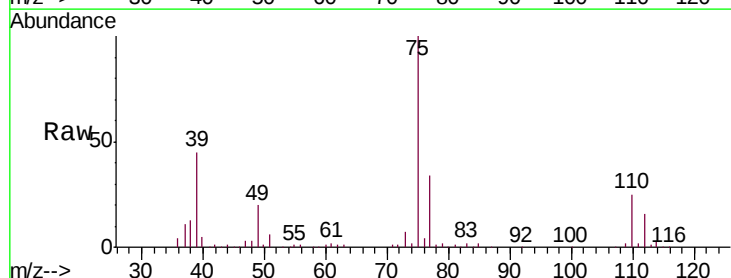
Acq: 13 Aug 2019 16:47

Tgt Ion: 75 Resp: 95178

Ion Ratio Lower Upper

75 100

77 33.9 22.5 41.7



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.69

60000

50000

40000

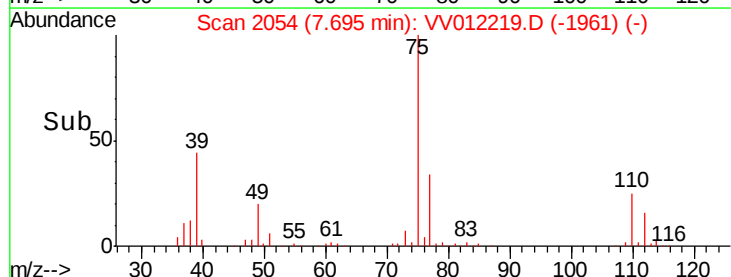
30000

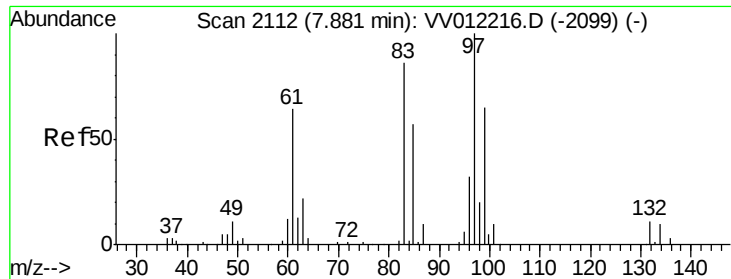
20000

10000

0

Time-->

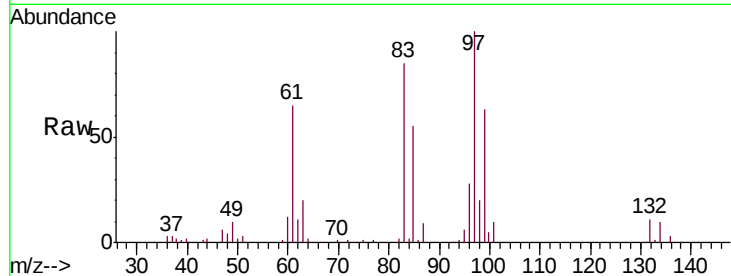




#45
 1,1,2-Trichloroethane
 Concen: 5.249 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VV012219.D
 Acq: 13 Aug 2019 16:47

Instrument :
 MSVOA_V
 ClientSampled :
 VICV34

Tgt Ion:	97	Resp:	58066
Ion	Ratio	Lower	Upper
97	100		
99	62.7	45.4	84.2
83	84.7	60.1	111.5
85	54.7	39.8	73.8



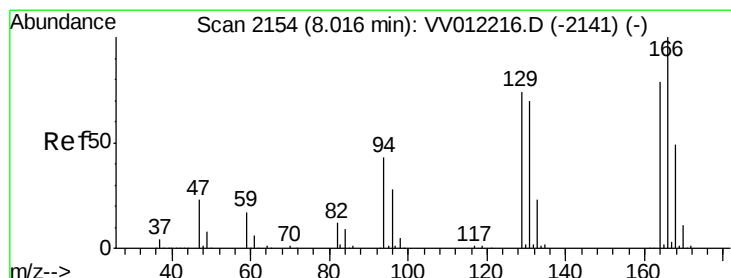
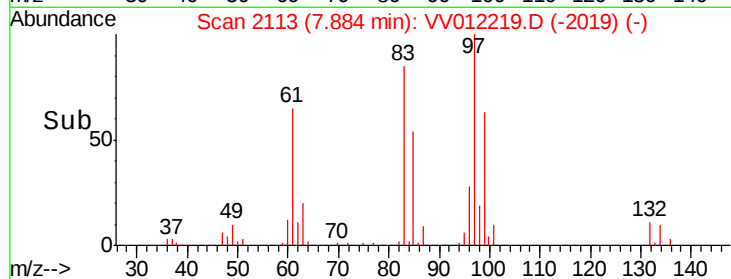
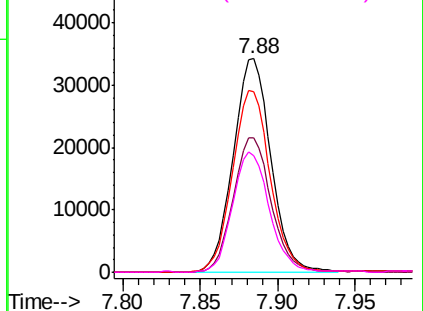
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

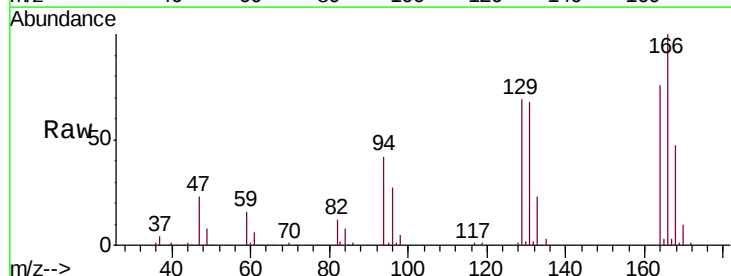
Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47
 Tetrachloroethene
 Concen: 5.264 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV012219.D
 Acq: 13 Aug 2019 16:47

Tgt Ion:	164	Resp:	78126
Ion	Ratio	Lower	Upper
164	100		
129	91.1	65.8	122.2
131	89.1	61.9	114.9
166	131.8	88.3	164.1



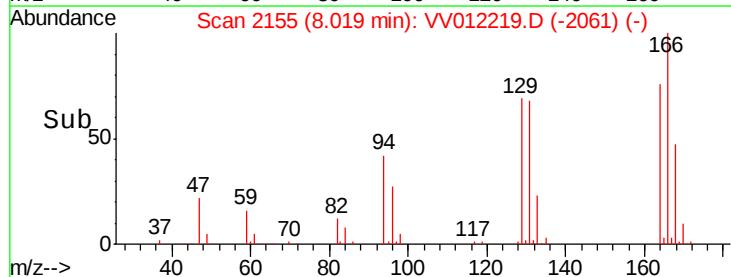
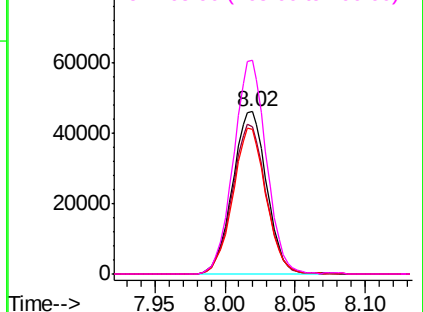
Abundance

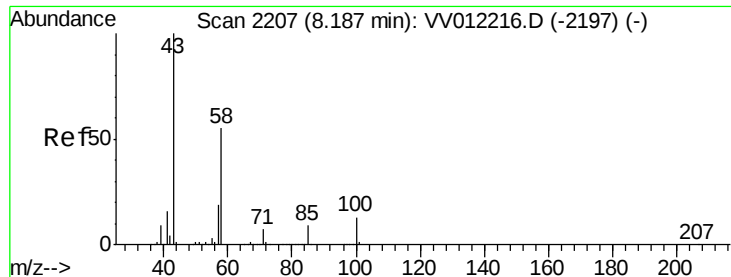
Ion 163.90 (163.60 to 164.60): V

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

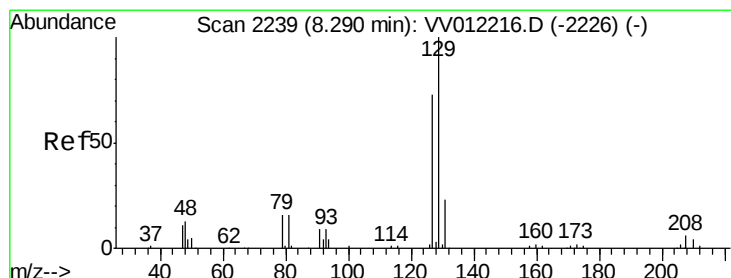
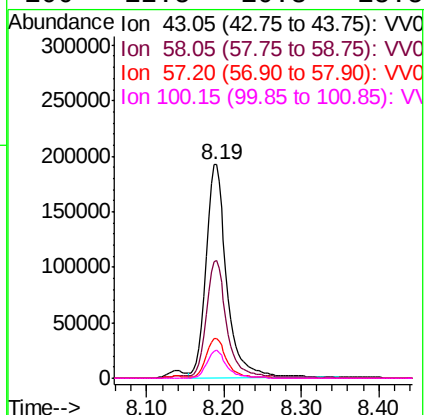
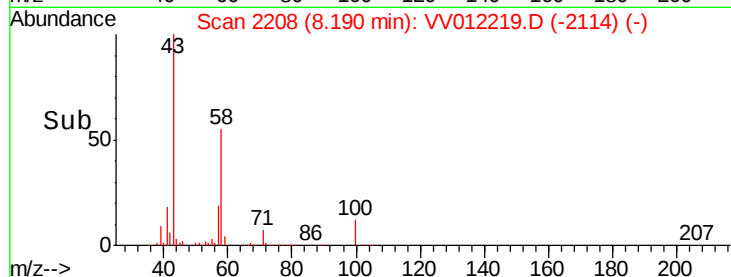
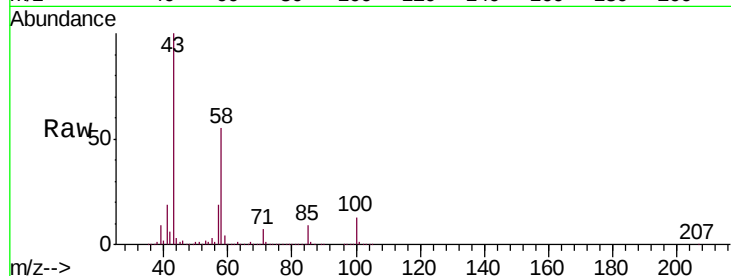




#48
2-Hexanone
Concen: 56.300 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV012219.D
Acq: 13 Aug 2019 16:47

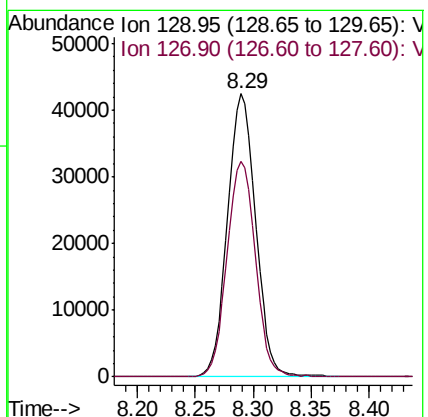
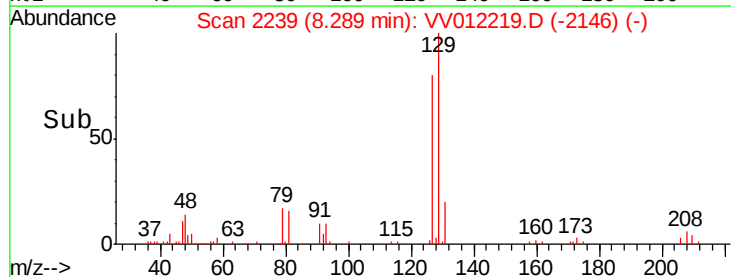
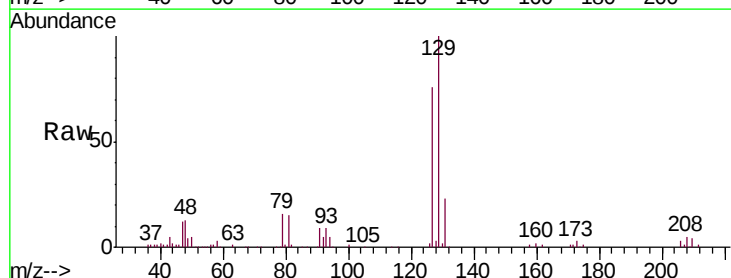
Instrument :
MSVOA_V
ClientSampleId :
VICV34

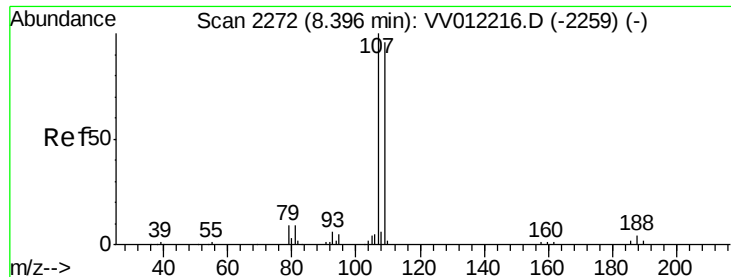
Tgt Ion: 43 Resp: 361806
Ion Ratio Lower Upper
43 100
58 53.3 43.0 64.4
57 18.2 14.9 22.3
100 12.5 10.3 15.5



#49
Dibromochloromethane
Concen: 5.199 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV012219.D
Acq: 13 Aug 2019 16:47

Tgt Ion: 129 Resp: 71390
Ion Ratio Lower Upper
129 100
127 76.1 51.0 94.8





#50

1,2-Dibromoethane

Concen: 5.114 ug/L

RT: 8.40 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VV012219.D

Acq: 13 Aug 2019 16:47

Instrument :

MSVOA_V

ClientSampleId :

VICV34

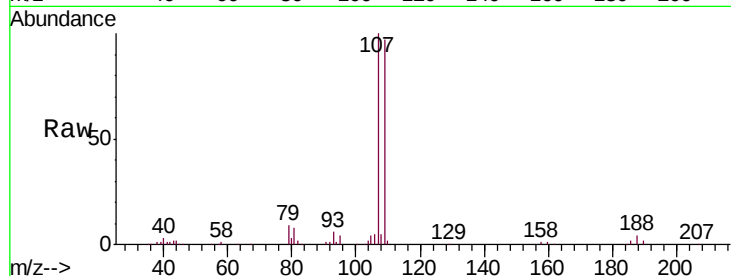
Tgt Ion:107 Resp: 54642

Ion Ratio Lower Upper

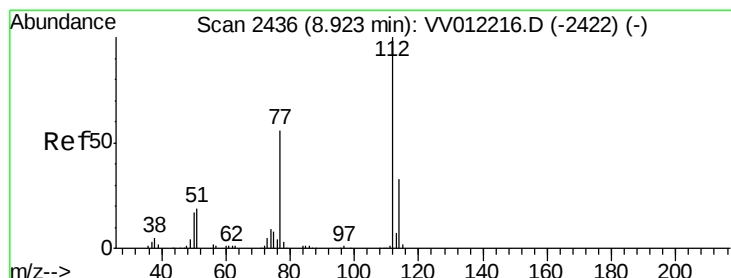
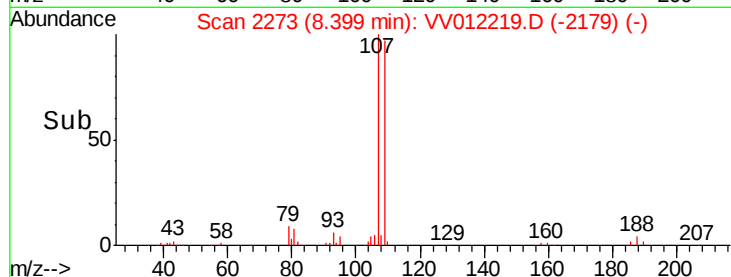
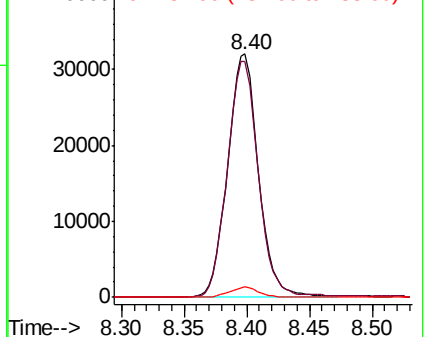
107 100

109 97.1 67.3 125.1

188 4.1 3.4 5.0



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: 5.280 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. -0.00 min

Lab File: VV012219.D

Acq: 13 Aug 2019 16:47

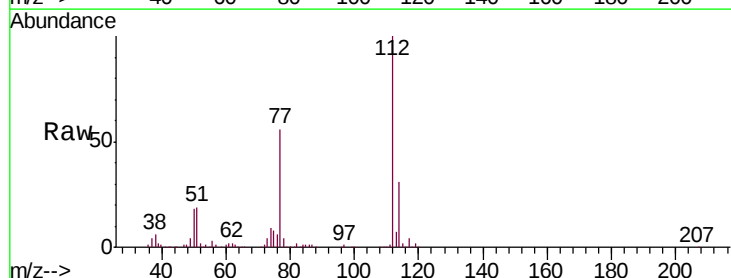
Tgt Ion:112 Resp: 241773

Ion Ratio Lower Upper

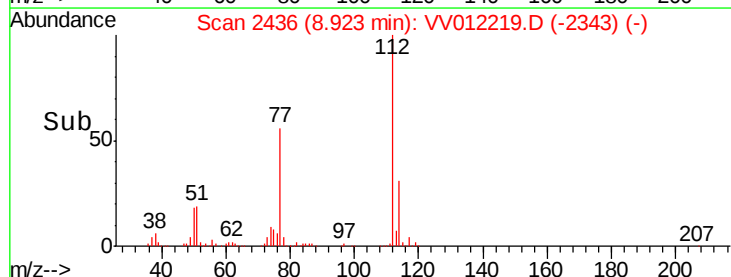
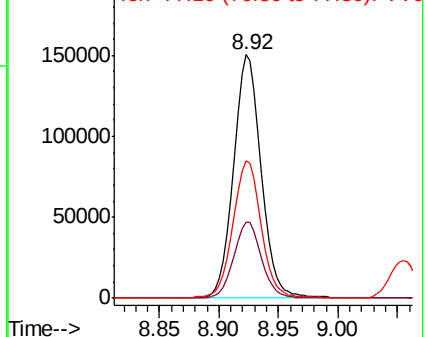
112 100

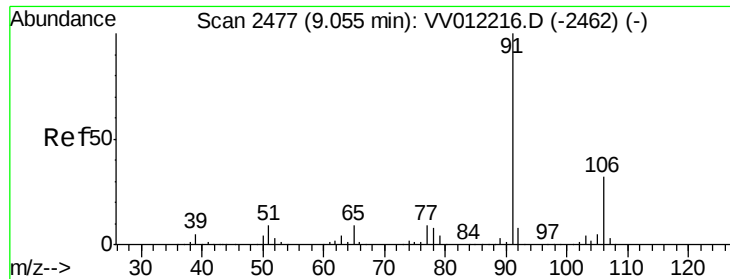
114 31.5 22.8 42.4

77 56.3 45.4 68.2



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





#52

Ethylbenzene

Concen: 5.417 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV012219.D

Acq: 13 Aug 2019 16:47

Instrument :

MSVOA_V

ClientSampleId :

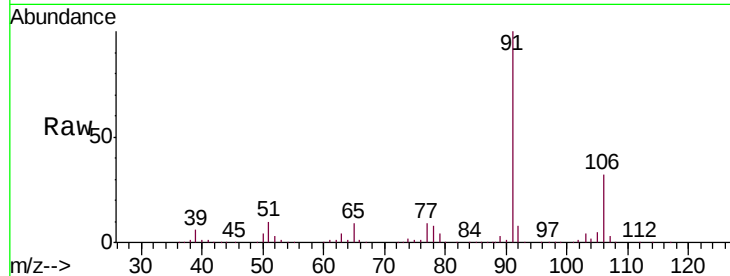
VICV34

Tgt Ion: 91 Resp: 408260

Ion Ratio Lower Upper

91 100

106 31.8 22.3 41.3



Abundance Ion 91.15 (90.85 to 91.85): VV012219.D (-2384) (-)

Ion 106.15 (105.85 to 106.85): VV012219.D (-2384) (-)

9.05

250000

200000

150000

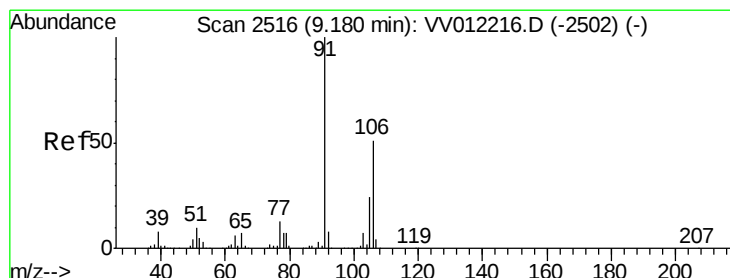
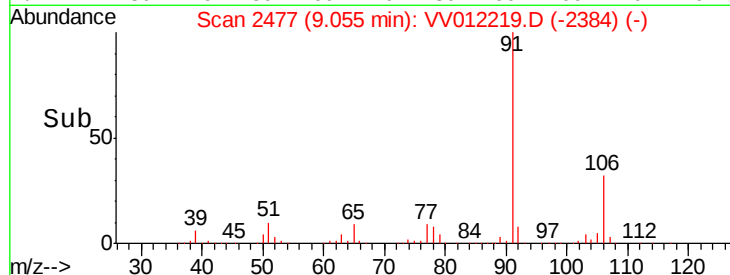
100000

50000

0

9.00 9.05 9.10 9.15

Time-->



#53

m,p-xylene

Concen: 5.455 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV012219.D

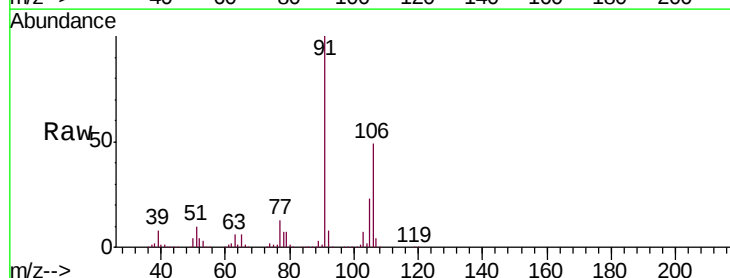
Acq: 13 Aug 2019 16:47

Tgt Ion: 106 Resp: 157871

Ion Ratio Lower Upper

106 100

91 203.6 137.5 255.3



Abundance Ion 106.15 (105.85 to 106.85): VV012219.D (-2423) (-)

Ion 91.15 (90.85 to 91.85): VV012219.D (-2423) (-)

9.18

200000

150000

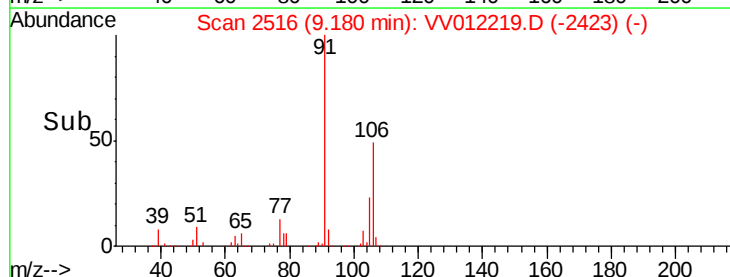
100000

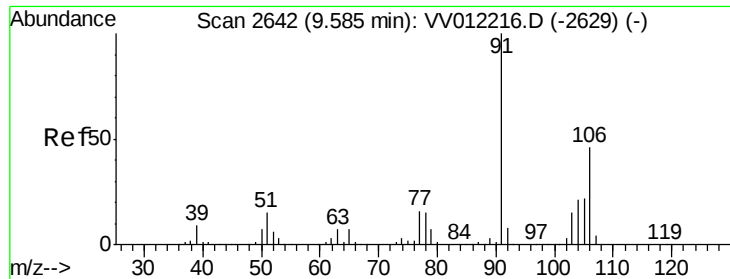
50000

0

9.10 9.15 9.20 9.25

Time-->

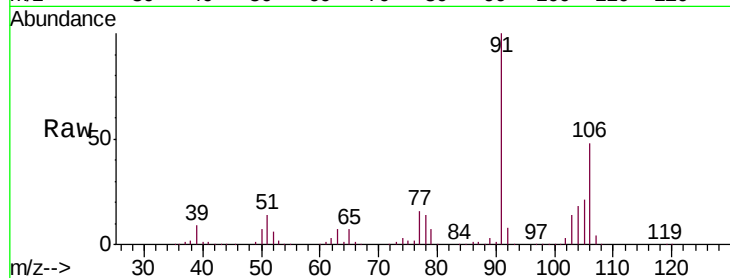




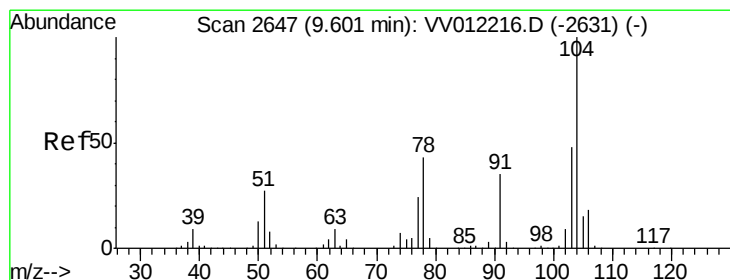
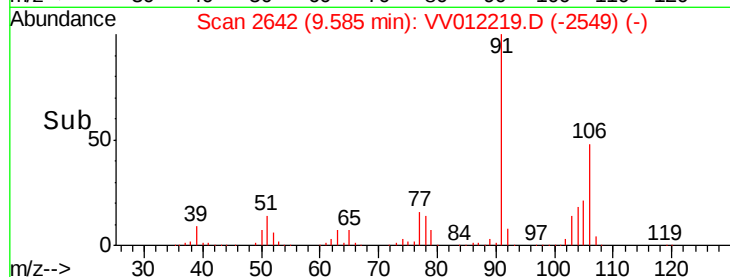
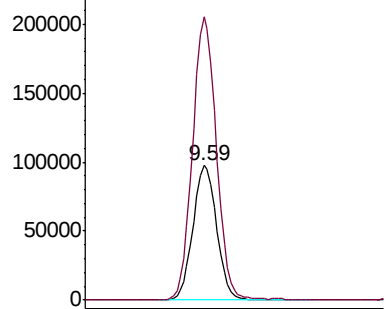
#54
o-xylene
Concen: 5.564 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. -0.00 min
Lab File: VV012219.D
Acq: 13 Aug 2019 16:47

Instrument :
MSVOA_V
ClientSampleId :
VICV34

Tgt Ion:106 Resp: 152377
Ion Ratio Lower Upper
106 100
91 210.0 151.1 280.7

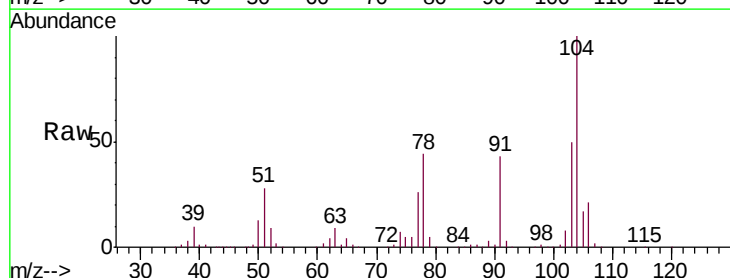


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

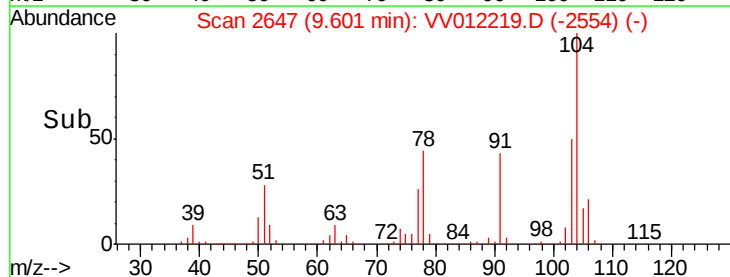
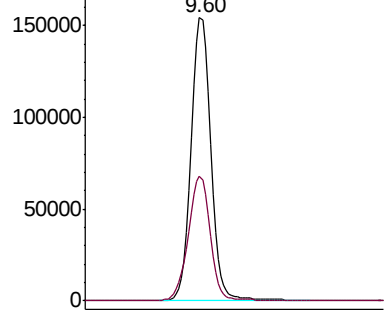


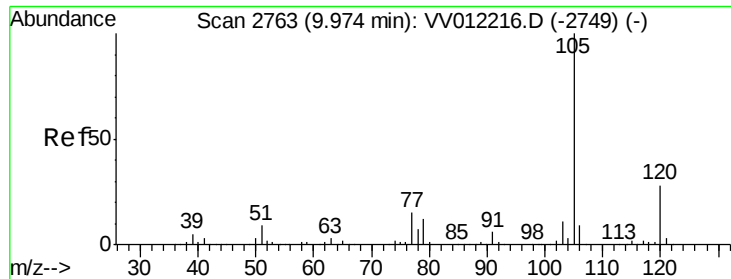
#55
Styrene
Concen: 5.557 ug/L
RT: 9.60 min Scan# 2647
Delta R.T. -0.00 min
Lab File: VV012219.D
Acq: 13 Aug 2019 16:47

Tgt Ion:104 Resp: 254318
Ion Ratio Lower Upper
104 100
78 44.1 30.3 56.3



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





#56

Isopropylbenzene

Concen: 5.493 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV012219.D

Acq: 13 Aug 2019 16:47

Instrument :

MSVOA_V

ClientSampleId :

VICV34

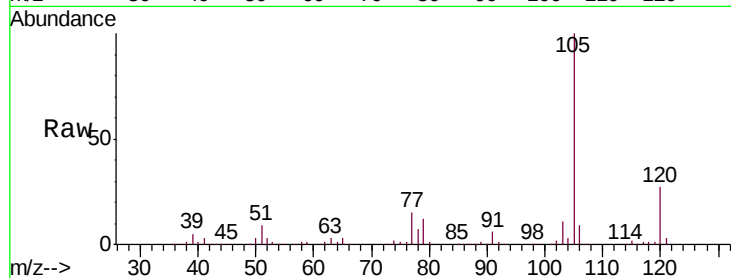
Tgt Ion: 105 Resp: 402353

Ion Ratio Lower Upper

105 100

120 27.0 22.0 33.0

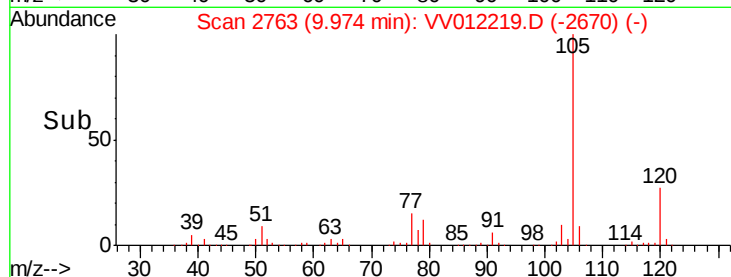
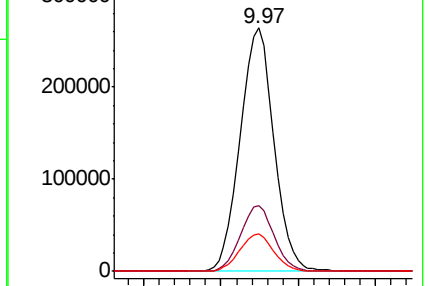
77 15.5 12.5 18.7



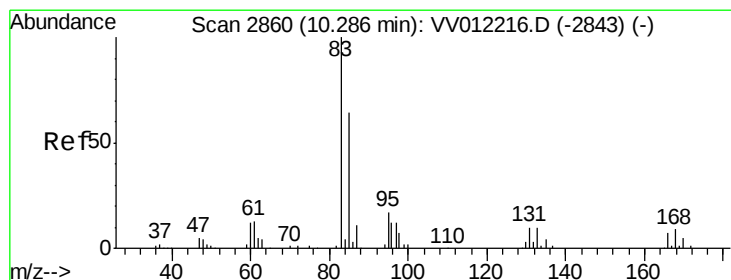
Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



Time-->



#58

1,1,2,2-Tetrachloroethane

Concen: 5.222 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VV012219.D

Acq: 13 Aug 2019 16:47

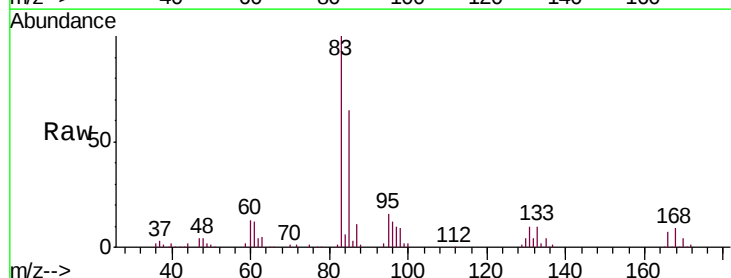
Tgt Ion: 83 Resp: 67017

Ion Ratio Lower Upper

83 100

85 64.6 45.0 83.6

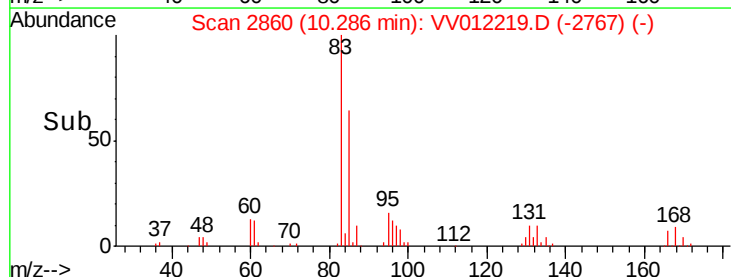
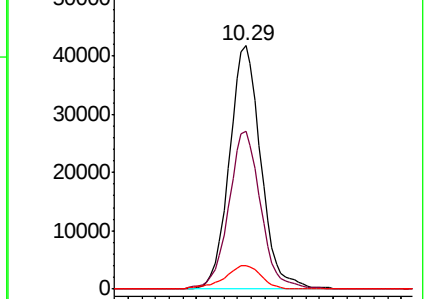
131 9.7 8.3 12.5



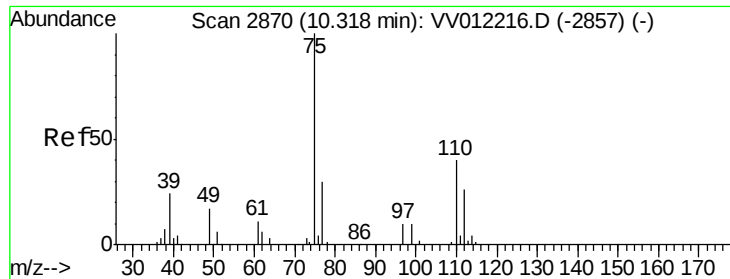
Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V



Time-->



#59

1,2,3-Trichloropropane

Concen: 5.333 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. -0.00 min

Lab File: VV012219.D

Acq: 13 Aug 2019 16:47

Instrument :

MSVOA_V

ClientSampled :

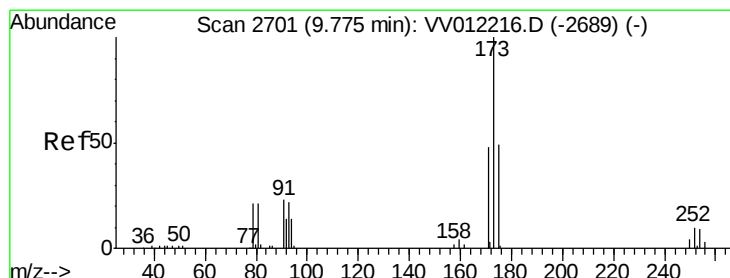
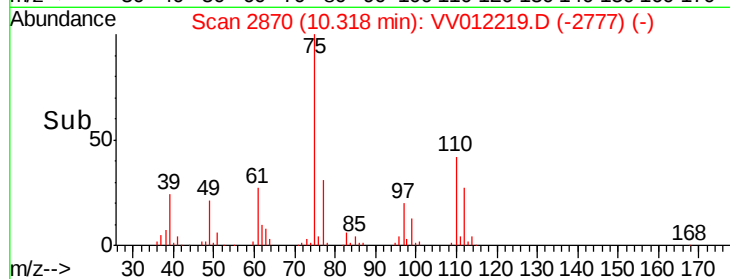
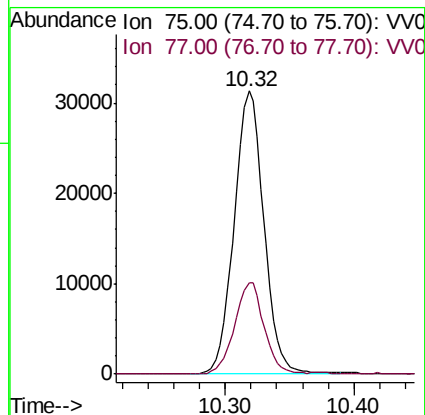
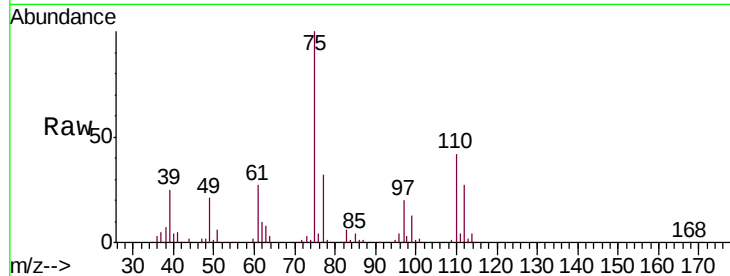
VICV34

Tgt Ion: 75 Resp: 50183

Ion Ratio Lower Upper

75 100

77 31.9 25.0 37.6



#61

Bromoform

Concen: 5.089 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VV012219.D

Acq: 13 Aug 2019 16:47

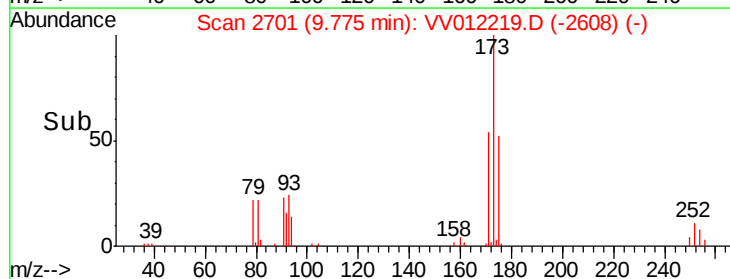
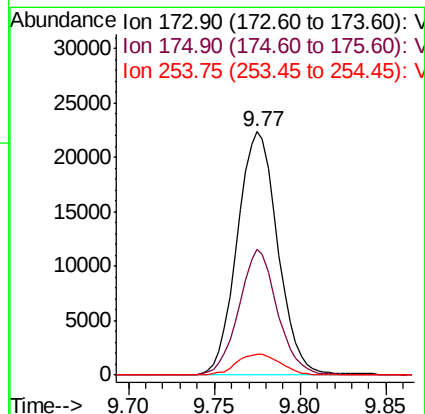
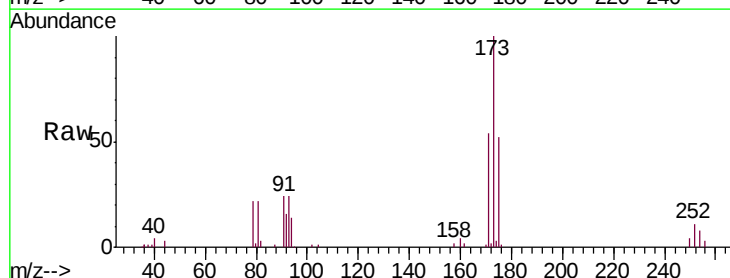
Tgt Ion: 173 Resp: 36710

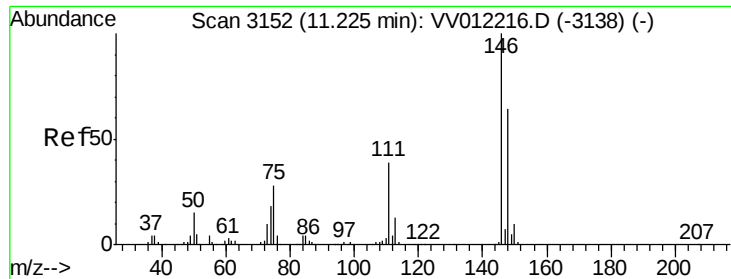
Ion Ratio Lower Upper

173 100

175 48.8 38.8 58.2

254 9.3 7.6 11.4





#62

1,3-Dichlorobenzene

Concen: 5.173 ug/L

RT: 11.22 min Scan# 3152

Delta R.T. -0.00 min

Lab File: VV012219.D

Acq: 13 Aug 2019 16:47

Instrument :

MSVOA_V

ClientSampleId :

VICV34

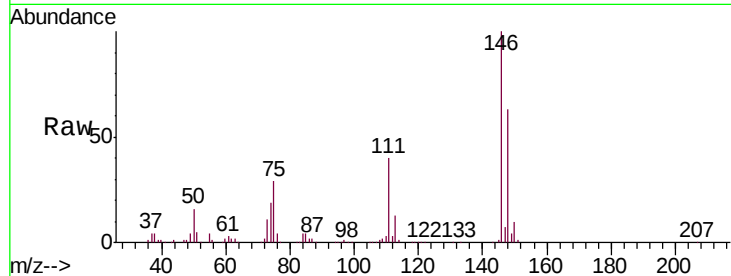
Tgt Ion:146 Resp: 192675

Ion Ratio Lower Upper

146 100

111 39.6 26.9 50.1

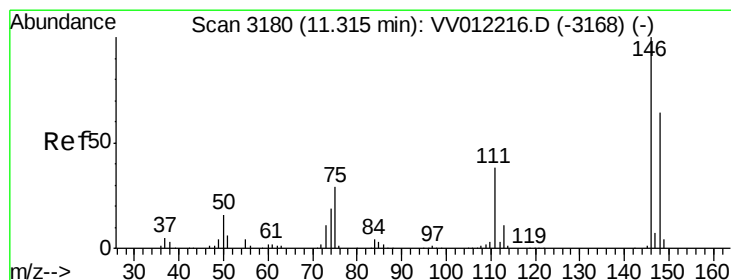
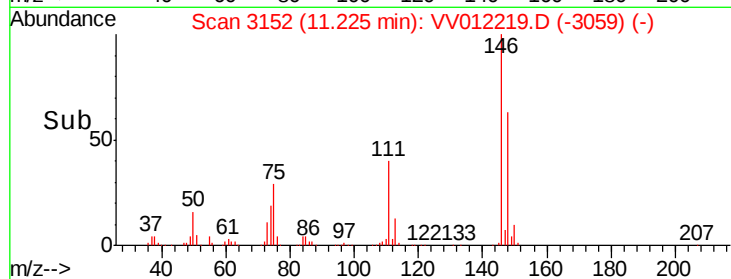
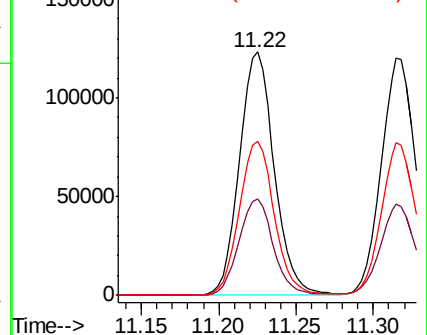
148 63.5 45.0 83.6



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: 5.130 ug/L

RT: 11.31 min Scan# 3180

Delta R.T. -0.00 min

Lab File: VV012219.D

Acq: 13 Aug 2019 16:47

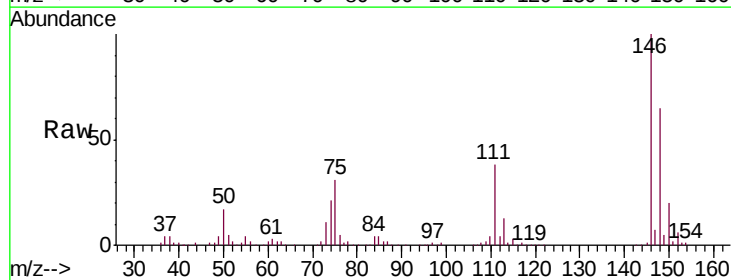
Tgt Ion:146 Resp: 190454

Ion Ratio Lower Upper

146 100

111 38.3 27.0 50.2

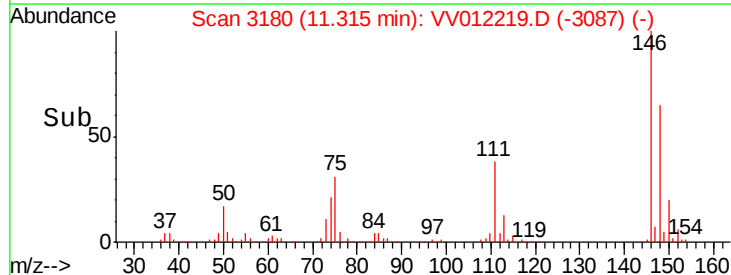
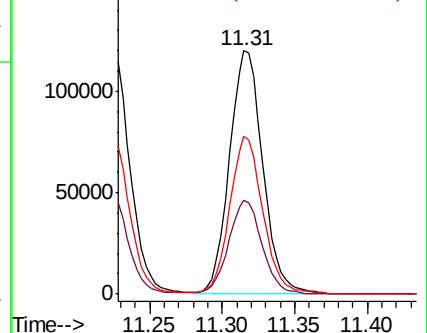
148 64.6 44.5 82.7

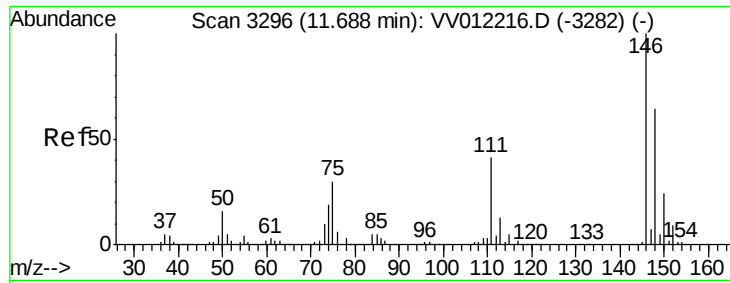


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.155 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. -0.00 min

Lab File: VV012219.D

Acq: 13 Aug 2019 16:47

Instrument :

MSVOA_V

ClientSampled :

VICV34

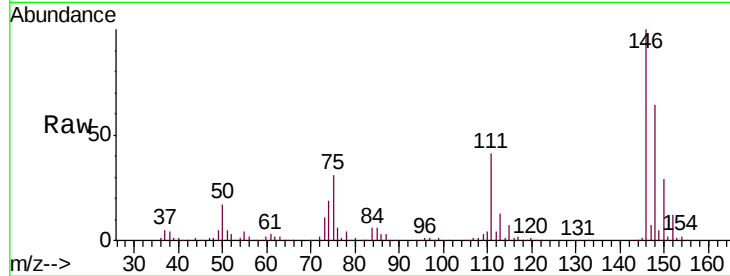
Tgt Ion:146 Resp: 176170

Ion Ratio Lower Upper

146 100

111 41.3 33.0 49.4

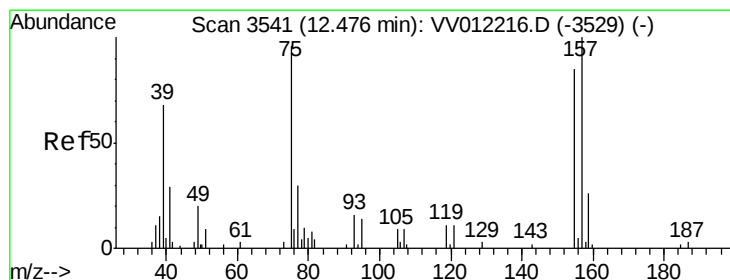
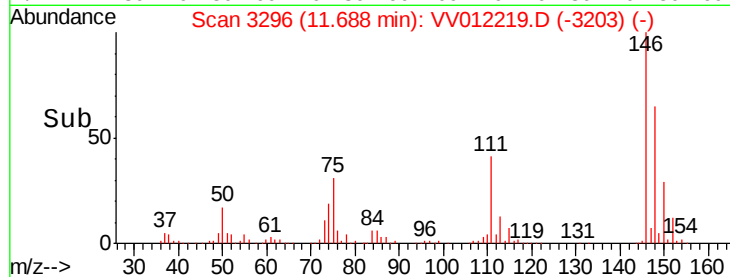
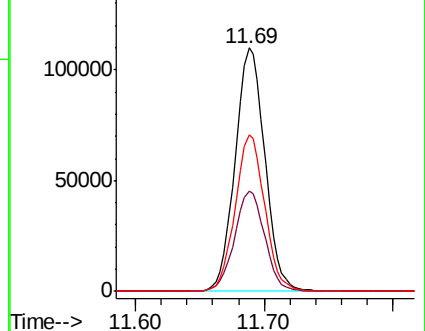
148 64.5 51.1 76.7



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: 4.981 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. -0.00 min

Lab File: VV012219.D

Acq: 13 Aug 2019 16:47

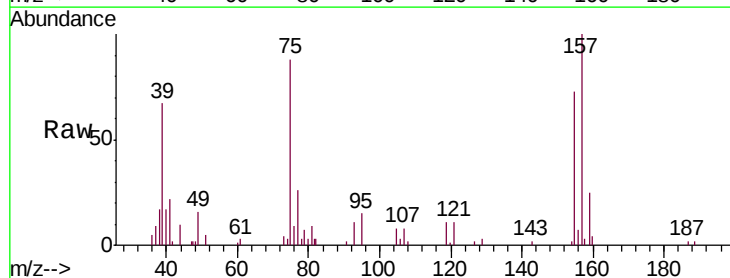
Tgt Ion: 75 Resp: 10837

Ion Ratio Lower Upper

75 100

155 82.7 70.8 106.2

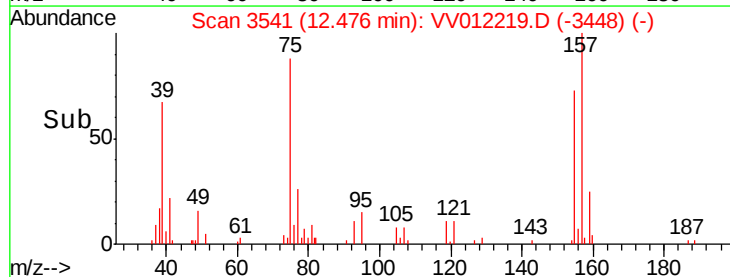
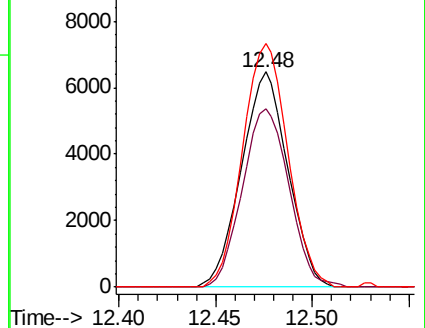
157 113.1 83.5 125.3

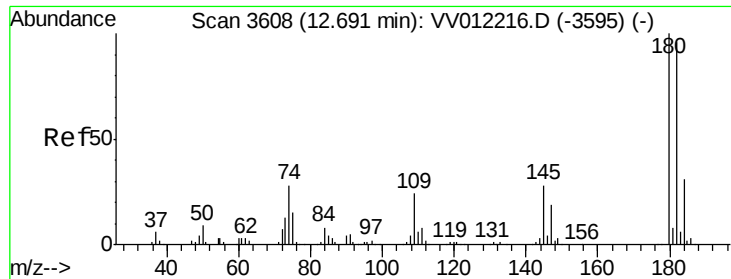


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

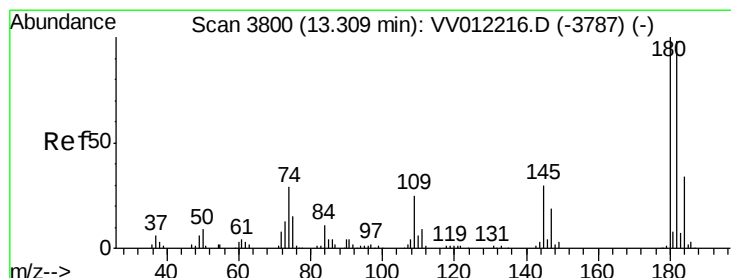
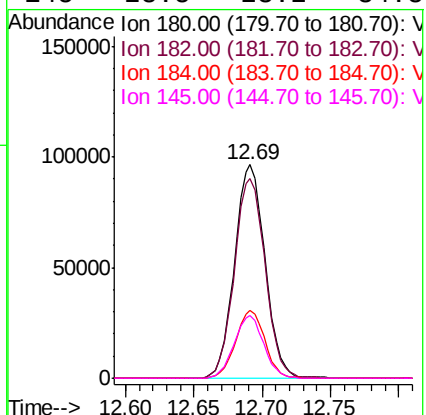
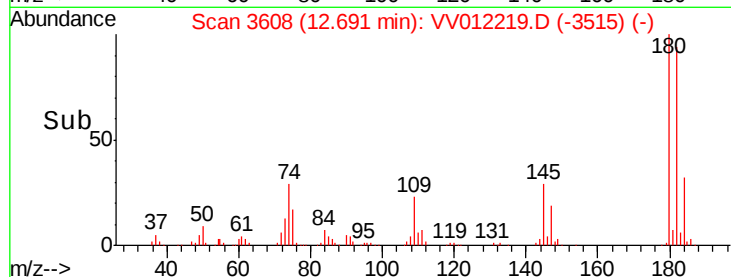
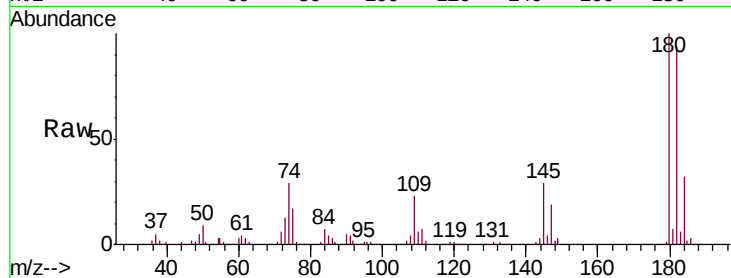




#67
 1,3,5-Trichlorobenzene
 Concen: 5.324 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. -0.00 min
 Lab File: VV012219.D
 Acq: 13 Aug 2019 16:47

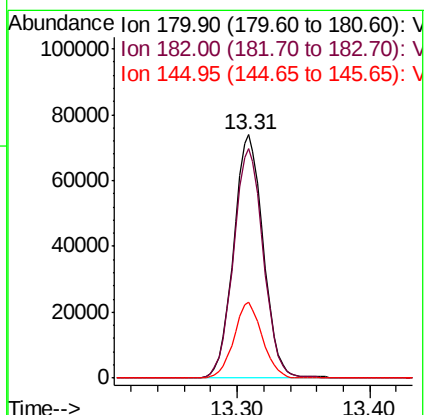
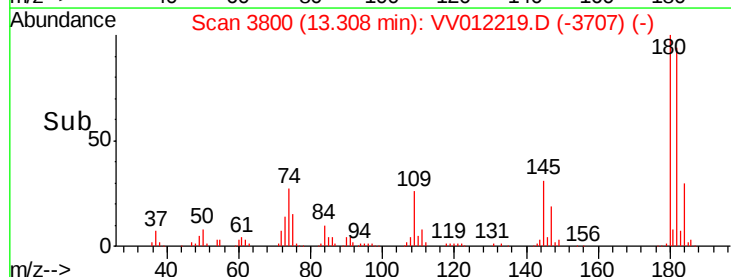
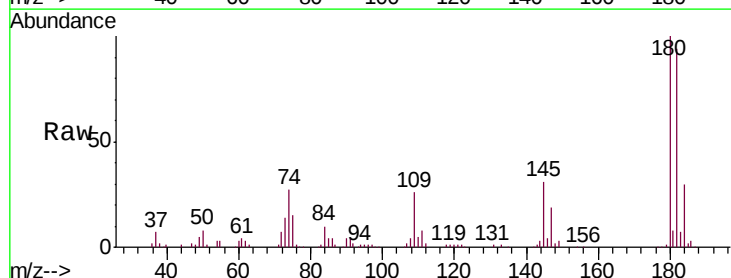
Instrument :
 MSVOA_V
 ClientSampled :
 VICV34

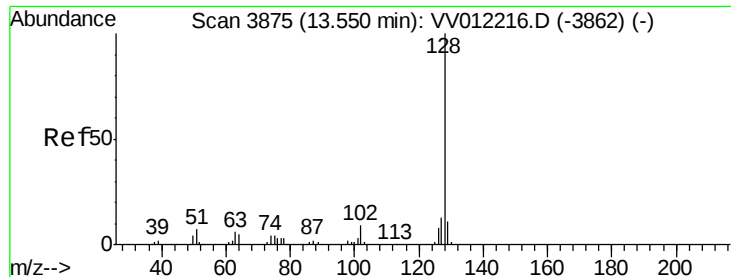
Tgt Ion:	180	Resp:	149749
Ion	Ratio	Lower	Upper
180	100		
182	94.7	76.3	114.5
184	30.5	24.6	36.8
145	28.5	23.2	34.8



#68
 1,2,4-trichlorobenzene
 Concen: 5.480 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. -0.00 min
 Lab File: VV012219.D
 Acq: 13 Aug 2019 16:47

Tgt Ion:	180	Resp:	114562
Ion	Ratio	Lower	Upper
180	100		
182	95.2	77.2	115.8
145	30.1	23.9	35.9





#69

Naphthalene

Concen: 5.751 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. -0.00 min

Lab File: VV012219.D

Acq: 13 Aug 2019 16:47

Instrument :

MSVOA_V

ClientSampled :

VICV34

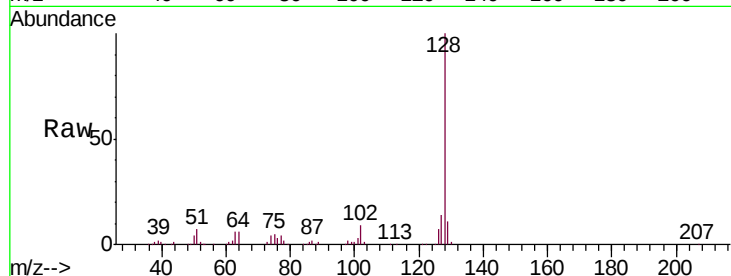
Tgt Ion:128 Resp: 173798

Ion Ratio Lower Upper

128 100

129 10.9 8.6 12.8

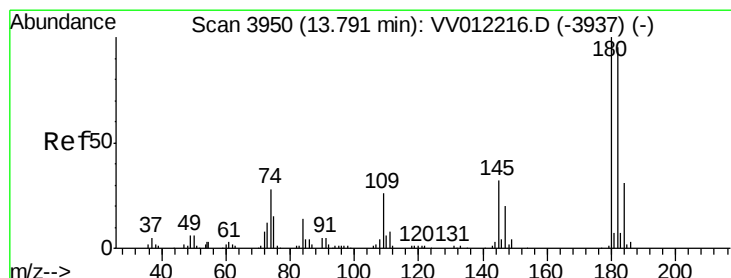
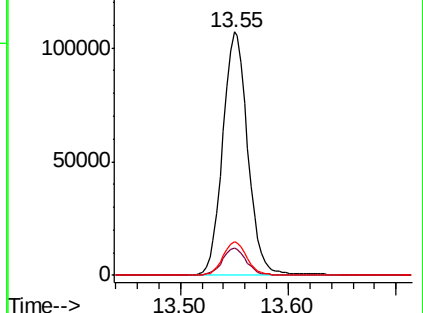
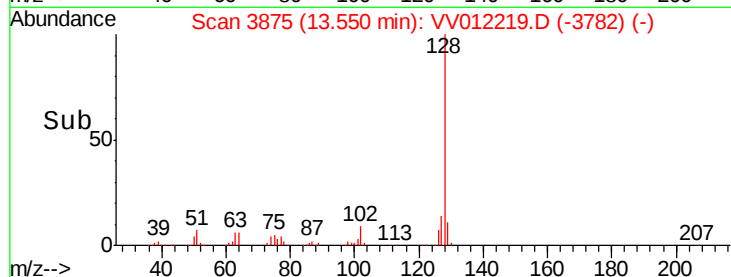
127 13.3 10.1 15.1



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: 5.565 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VV012219.D

Acq: 13 Aug 2019 16:47

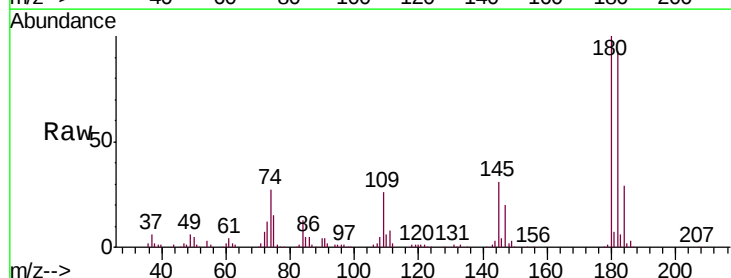
Tgt Ion:180 Resp: 109870

Ion Ratio Lower Upper

180 100

182 95.5 75.0 112.4

145 32.0 24.8 37.2



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

