

Data File : VV011207.D
Acq On : 04 Jun 2019 15:25
Operator : SY/MD
Sample : VSTDICV005
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VICV42

Quant Time: Jun 05 01:37:05 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR060419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jun 04 15:14:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	217595	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	198543	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	92318	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	69268	4.20	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.00%
7) Chloroethane-d5	1.58	69	54426	3.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	79.40%
11) 1,1-Dichloroethene-d2	2.12	63	142952	4.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.80%
20) 2-Butanone-d5	3.96	46	159753	43.04	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	86.08%
24) Chloroform-d	4.40	84	124062	4.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.60%
26) 1,2-Dichloroethane-d4	5.08	65	65405	4.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.40%
32) Benzene-d6	5.09	84	257288	4.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.60%
36) 1,2-Dichloropropane-d6	6.12	67	77632	4.24	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	84.80%
41) Toluene-d8	7.36	98	241489	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.60%
43) trans-1,3-Dichloropropene-	7.66	79	29806	4.27	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.40%
46) 2-Hexanone-d5	8.14	63	129945	44.10	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.20%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	53001	4.25	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	78198	4.29	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	90360	4.211 ug/L	99
3) Chloromethane	1.25	50	94287	4.544 ug/L	99
5) Vinyl chloride	1.32	62	90616	4.526 ug/L	99
6) Bromomethane	1.53	94	47990	4.608 ug/L	98
8) Chloroethane	1.60	64	59076	4.618 ug/L	99
9) Trichlorofluoromethane	1.76	101	125568	4.569 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	64795	4.594 ug/L	97
12) 1,1-Dichloroethene	2.13	96	61894	4.515 ug/L	95
13) Acetone	2.22	43	145144	58.318 ug/L	98
14) Carbon disulfide	2.31	76	191027	4.593 ug/L	100
15) Methyl Acetate	2.47	43	30283	4.581 ug/L	94
16) Methylene chloride	2.53	84	68205	4.828 ug/L	99
17) Methyl tert-butyl Ether	2.81	73	168611	4.607 ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	72442	4.720 ug/L	98
19) 1,1-Dichloroethane	3.22	63	141892	4.686 ug/L	98
21) 2-Butanone	4.05	43	209509	54.662 ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	80334	4.726 ug/L	96

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Instrument :
MSVOA_V
ClientSampleId :
VICV42

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR060419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jun 04 15:14:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	30838	4.732	ug/L	95
25) Chloroform	4.42	83	145276	4.646	ug/L	95
27) 1,2-Dichloroethane	5.18	62	90778	4.751	ug/L	99
29) 1,1,1-Trichloroethane	4.65	97	122400	4.834	ug/L	99
30) Cyclohexane	4.71	56	132474	4.718	ug/L	99
31) Carbon tetrachloride	4.87	117	102429	4.840	ug/L	99
33) Benzene	5.14	78	307475	4.867	ug/L	100
34) Trichloroethene	5.96	95	81228	4.977	ug/L	99
35) Methylcyclohexane	6.17	83	127949	4.740	ug/L	99
37) 1,2-Dichloropropane	6.22	63	76737	4.880	ug/L	100
38) Bromodichloromethane	6.55	83	96769	4.978	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	114021	4.956	ug/L	98
40) 4-Methyl-2-pentanone	7.27	43	511465	51.079	ug/L	100
42) Toluene	7.43	91	330864	4.914	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	88467	5.058	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	50235	4.991	ug/L	97
47) Tetrachloroethene	8.02	164	59766	5.067	ug/L	98
48) 2-Hexanone	8.19	43	370000	52.982	ug/L	99
49) Dibromochloromethane	8.29	129	56389	4.932	ug/L	97
50) 1,2-Dibromoethane	8.40	107	45313	4.736	ug/L	97
51) Chlorobenzene	8.92	112	201148	4.899	ug/L	99
52) Ethylbenzene	9.05	91	374585	5.009	ug/L	99
53) m,p-xylene	9.18	106	138548	5.010	ug/L	99
54) o-xylene	9.59	106	136966	5.047	ug/L	98
55) Styrene	9.60	104	226593	5.127	ug/L	97
56) Isopropylbenzene	9.97	105	363709	4.979	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	58055	4.758	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	45290	4.938	ug/L	98
61) Bromoform	9.77	173	28096	5.066	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	149469	4.896	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	150216	5.069	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	141791	5.025	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	9224	4.562	ug/L #	83
67) 1,3,5-Trichlorobenzene	12.69	180	111406	5.073	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	85347	5.119	ug/L	97
69) Naphthalene	13.55	128	147412	5.401	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	79255	5.301	ug/L	96

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

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Instrument :
MSVOA_V
ClientSampleId :
VICV42

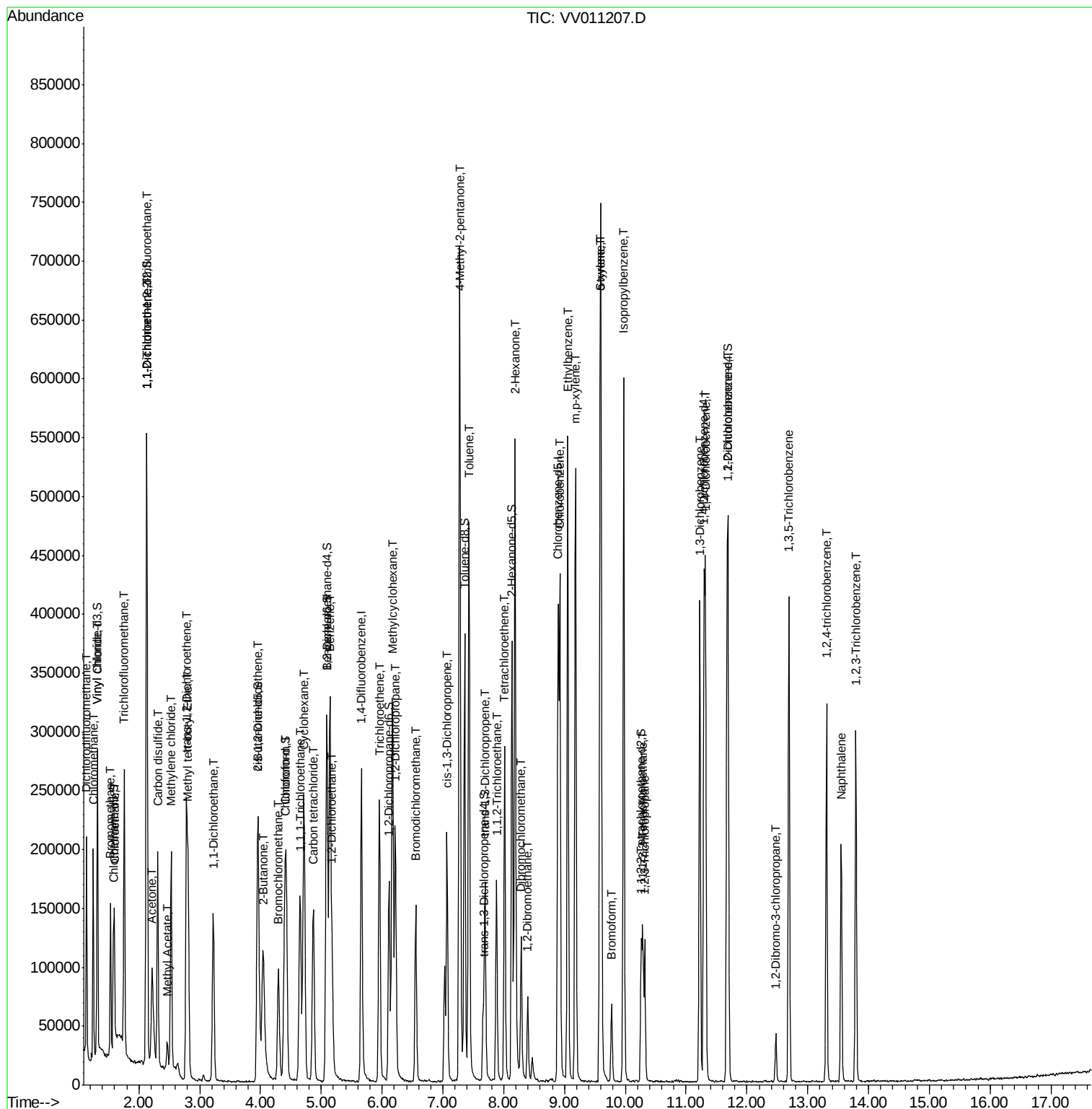
Quant Time: Jun 05 01:37:05 2019

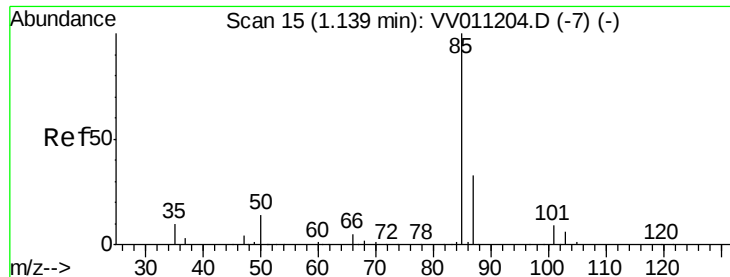
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVTR060419WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Tue Jun 04 15:14:23 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 4.211 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV011207.D

Acq: 04 Jun 2019 15:25

Instrument :

MSVOA_V

ClientSampled :

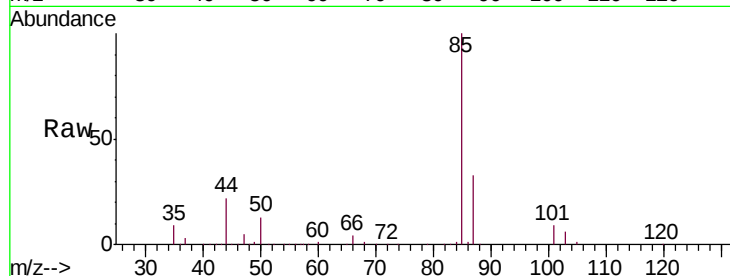
VICV42

Tgt Ion: 85 Resp: 90360

Ion Ratio Lower Upper

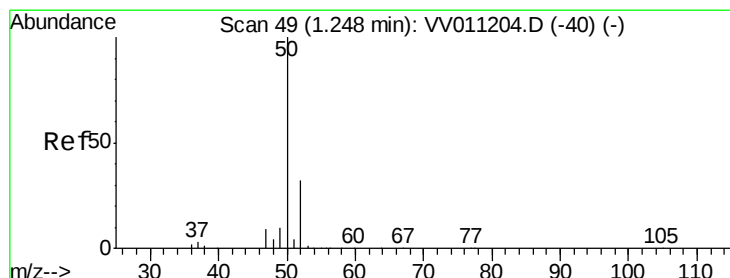
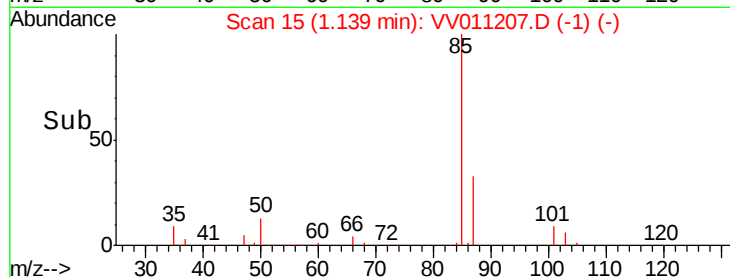
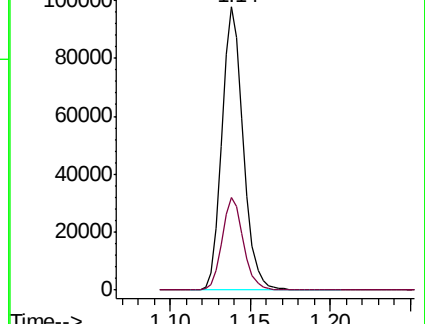
85 100

87 32.7 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 4.544 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV011207.D

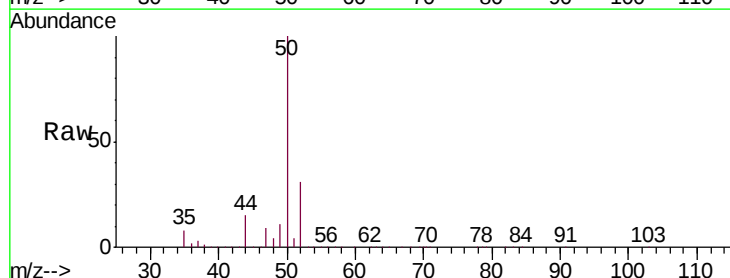
Acq: 04 Jun 2019 15:25

Tgt Ion: 50 Resp: 94287

Ion Ratio Lower Upper

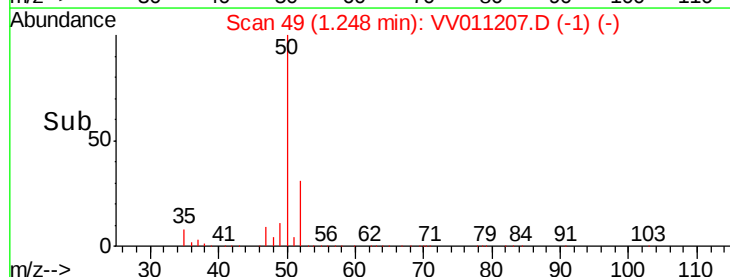
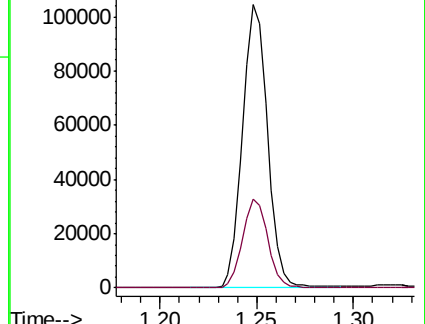
50 100

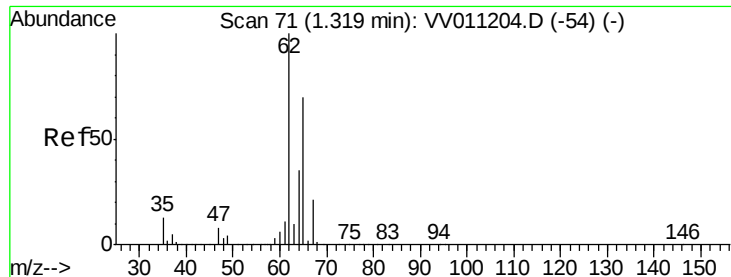
52 31.2 22.3 41.5



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 4.526 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV011207.D

Acq: 04 Jun 2019 15:25

Instrument :

MSVOA_V

ClientSampleId :

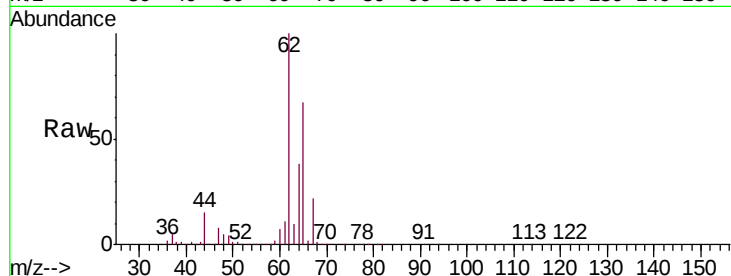
VICV42

Tgt Ion: 62 Resp: 90616

Ion Ratio Lower Upper

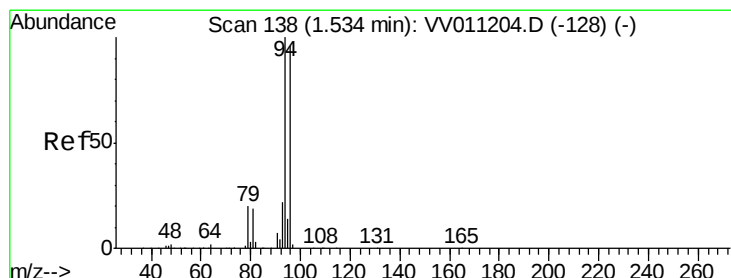
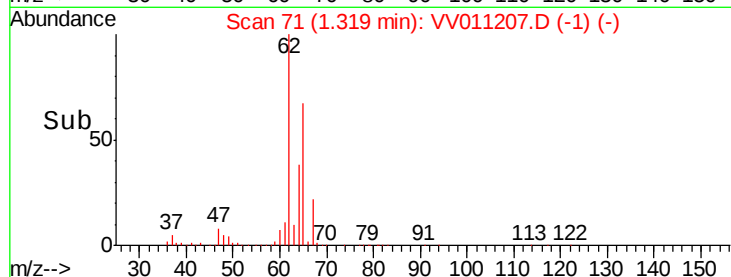
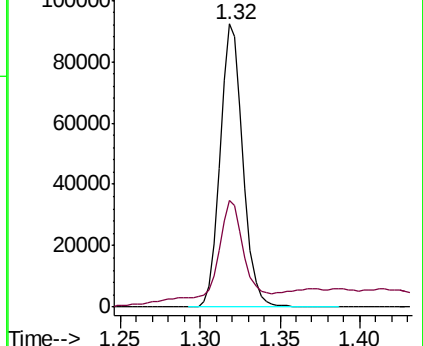
62 100

64 37.5 25.9 48.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 4.608 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV011207.D

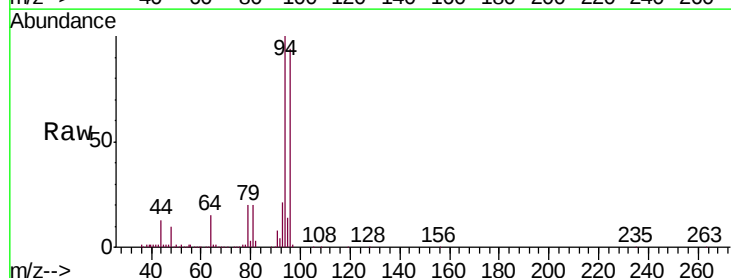
Acq: 04 Jun 2019 15:25

Tgt Ion: 94 Resp: 47990

Ion Ratio Lower Upper

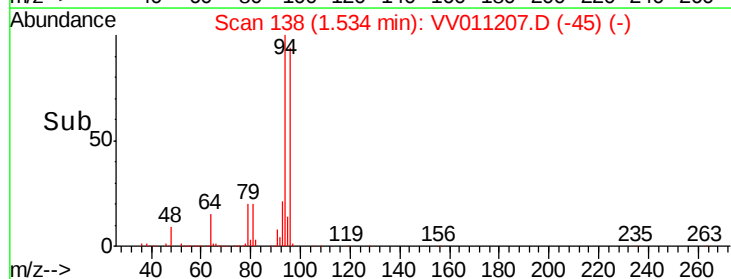
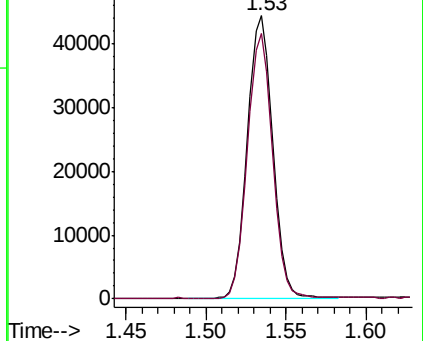
94 100

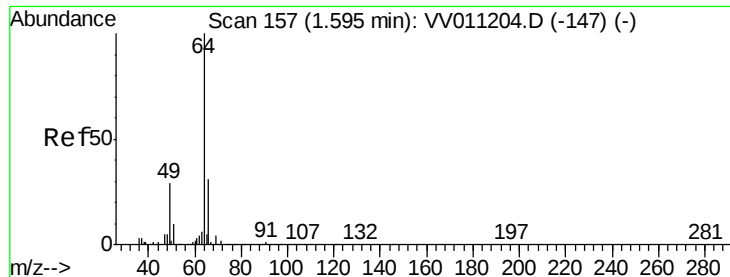
96 93.7 67.0 124.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

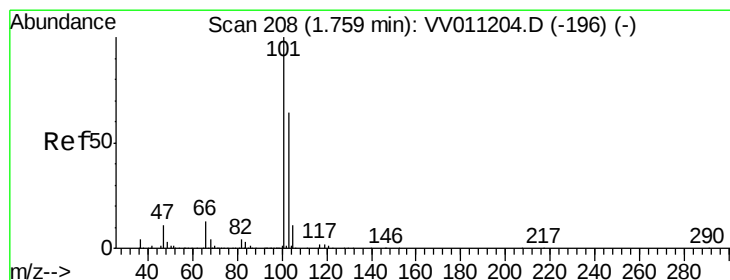
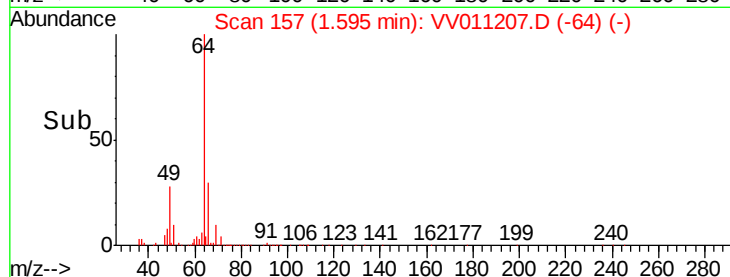
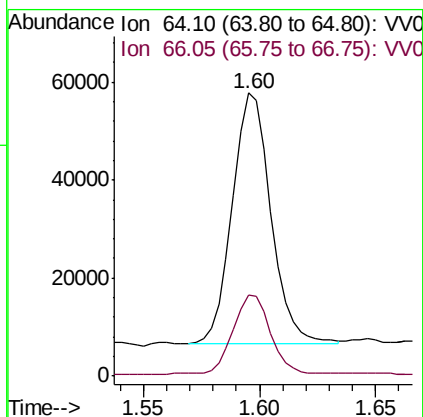
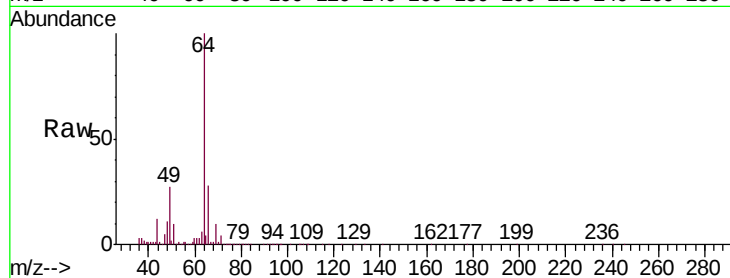




#8
Chloroethane
Concen: 4.618 ug/L
RT: 1.60 min Scan# 157
Delta R.T. 0.00 min
Lab File: VV011207.D
Acq: 04 Jun 2019 15:25

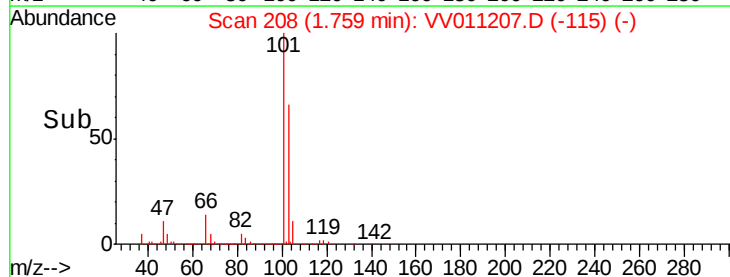
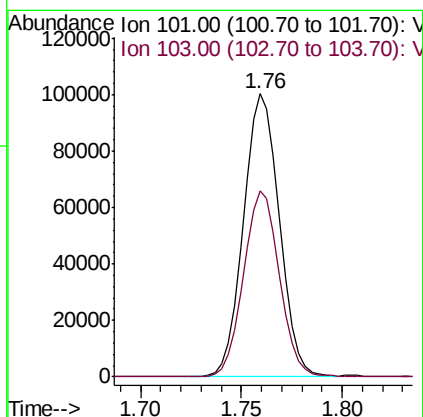
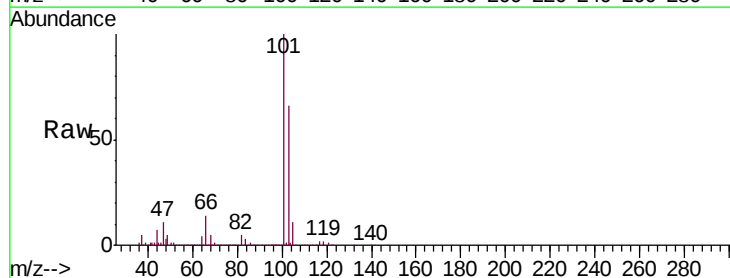
Instrument :
MSVOA_V
ClientSampleId :
VICV42

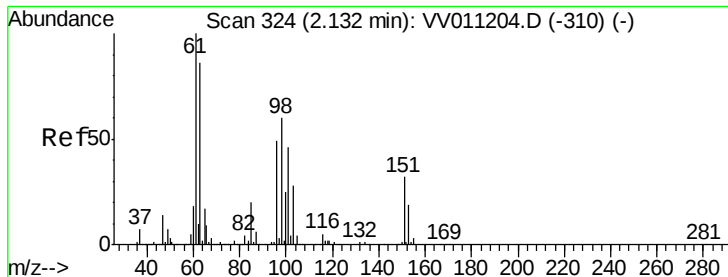
Tgt Ion: 64 Resp: 59076
Ion Ratio Lower Upper
64 100
66 28.4 19.4 36.0



#9
Trichlorofluoromethane
Concen: 4.569 ug/L
RT: 1.76 min Scan# 208
Delta R.T. 0.00 min
Lab File: VV011207.D
Acq: 04 Jun 2019 15:25

Tgt Ion: 101 Resp: 125568
Ion Ratio Lower Upper
101 100
103 65.2 50.8 76.2





#10

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

Concen: 4.594 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV011207.D

Acq: 04 Jun 2019 15:25

Instrument :

MSVOA_V

ClientSampled :

VICV42

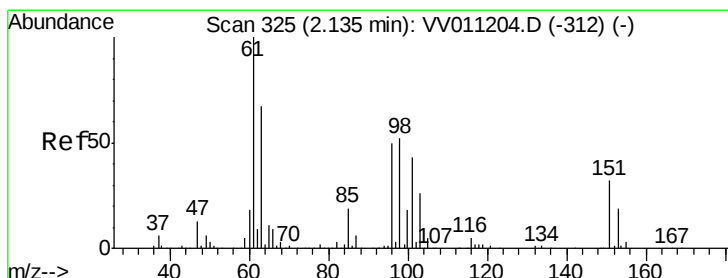
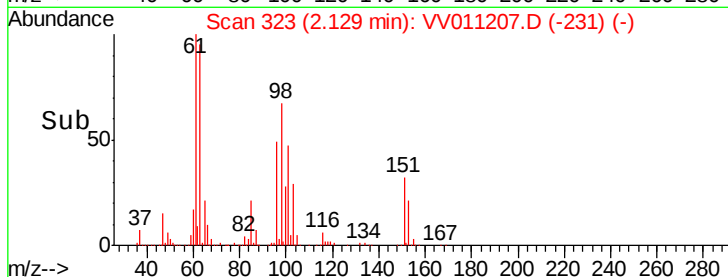
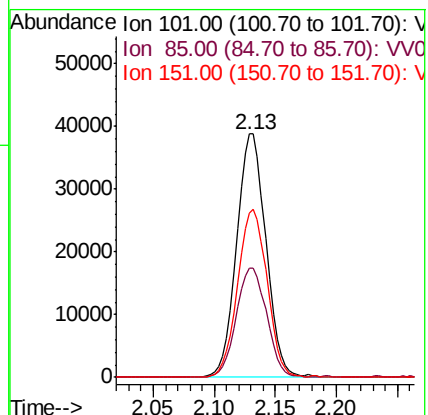
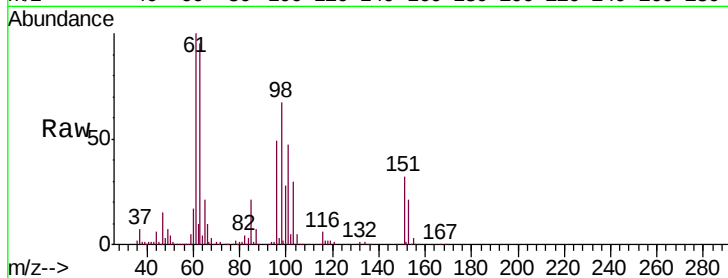
Tgt Ion: 101 Resp: 64795

Ion Ratio Lower Upper

101 100

85 46.6 35.5 53.3

151 69.0 56.9 85.3



#12

1,1-Dichloroethene

Concen: 4.515 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV011207.D

Acq: 04 Jun 2019 15:25

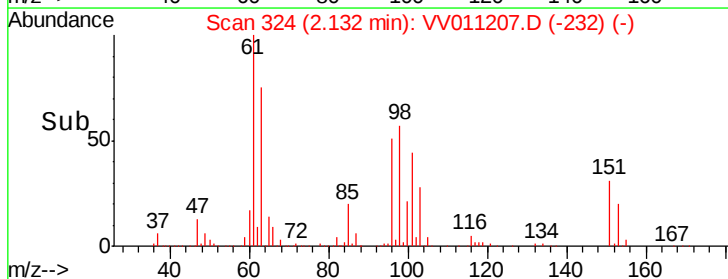
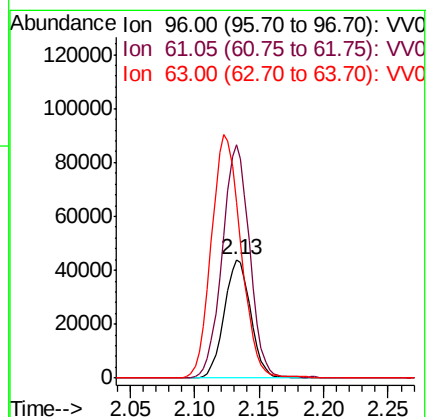
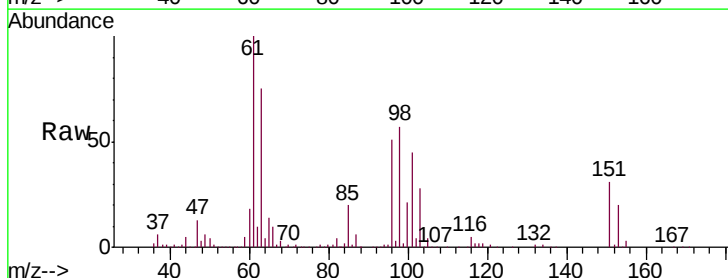
Tgt Ion: 96 Resp: 61894

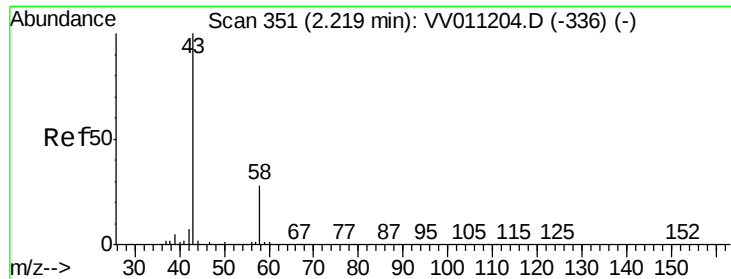
Ion Ratio Lower Upper

96 100

61 197.0 139.8 259.6

63 147.7 94.3 175.1





#13

Acetone

Concen: 58.318 ug/L

RT: 2.22 min Scan# 350

Delta R.T. -0.00 min

Lab File: VV011207.D

Acq: 04 Jun 2019 15:25

Instrument :

MSVOA_V

ClientSampleId :

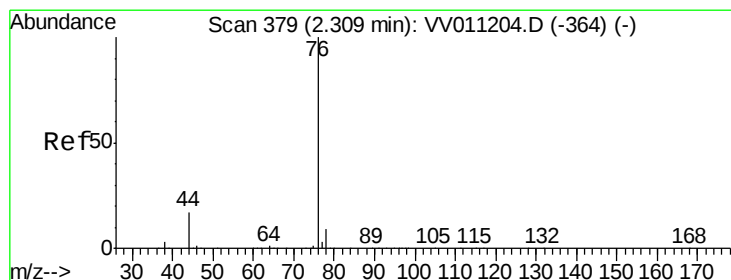
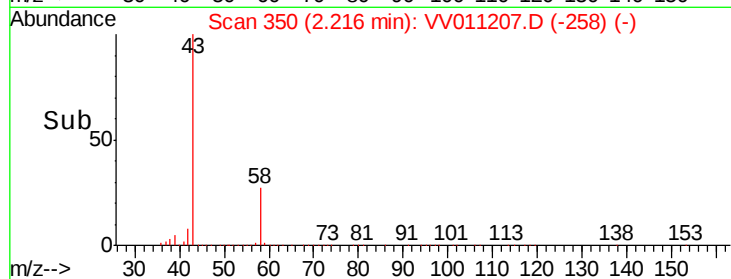
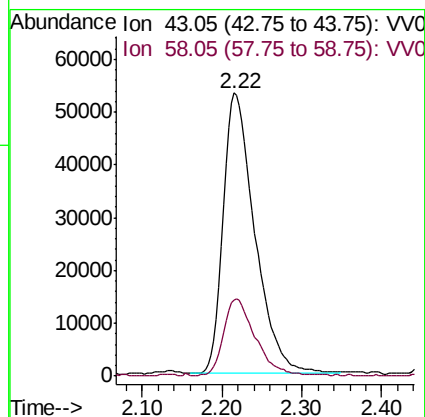
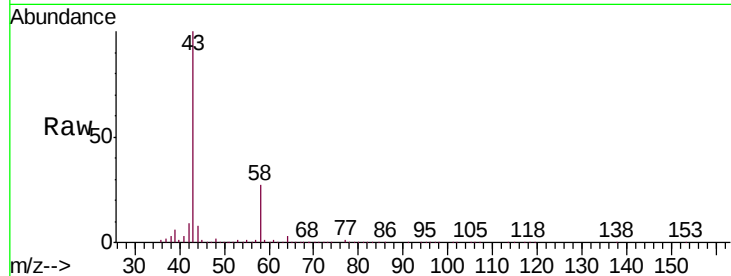
VICV42

Tgt Ion: 43 Resp: 145144

Ion Ratio Lower Upper

43 100

58 26.8 0.0 55.2



#14

Carbon disulfide

Concen: 4.593 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV011207.D

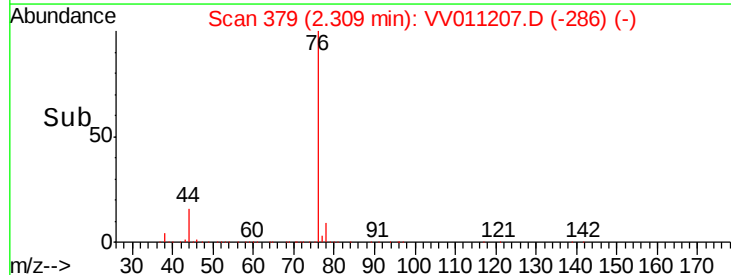
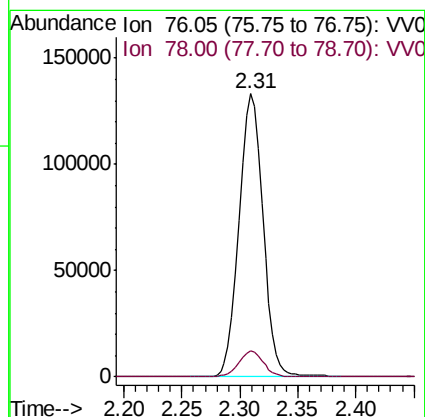
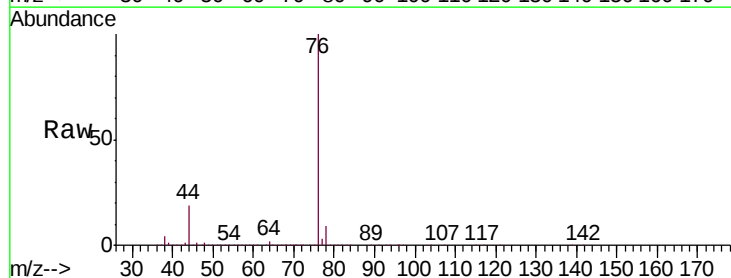
Acq: 04 Jun 2019 15:25

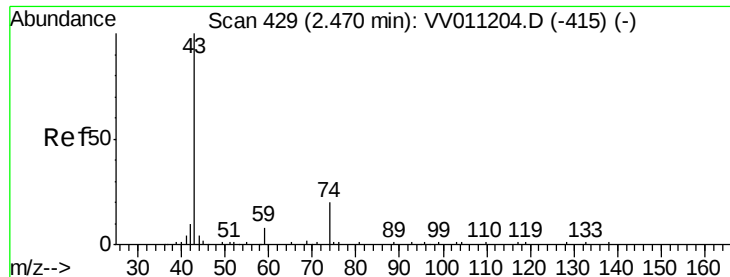
Tgt Ion: 76 Resp: 191027

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9

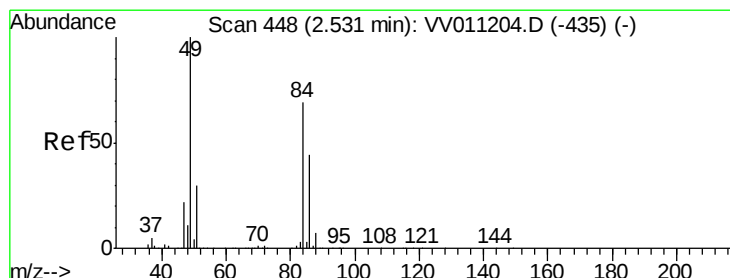
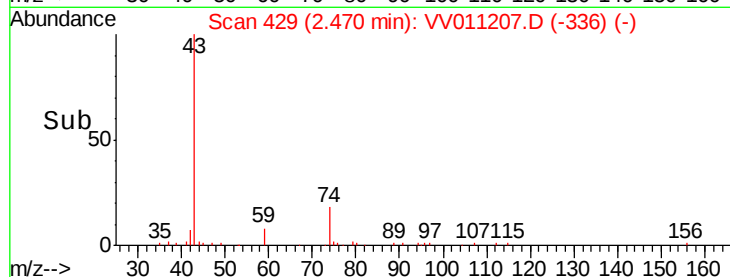
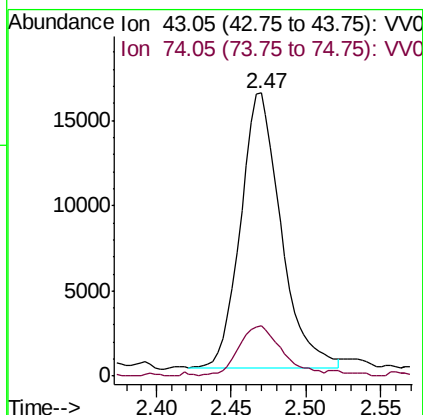
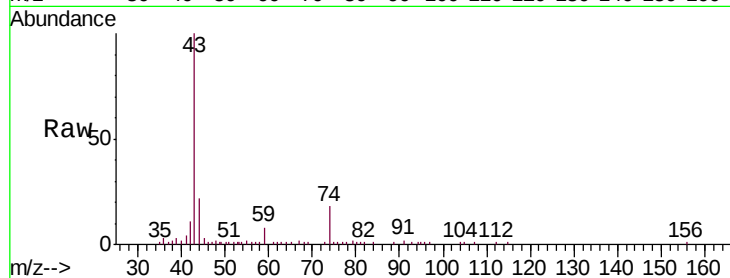




#15
Methyl Acetate
Concen: 4.581 ug/L
RT: 2.47 min Scan# 429
Delta R.T. 0.00 min
Lab File: VV011207.D
Acq: 04 Jun 2019 15:25

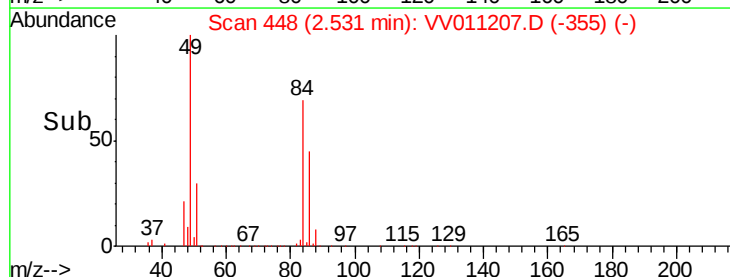
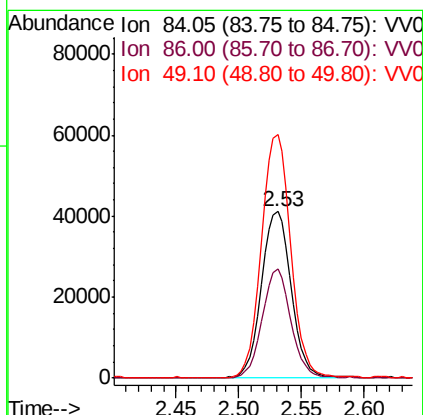
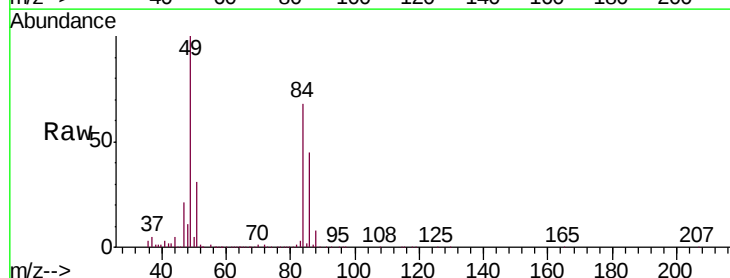
Instrument :
MSVOA_V
ClientSampleId :
VICV42

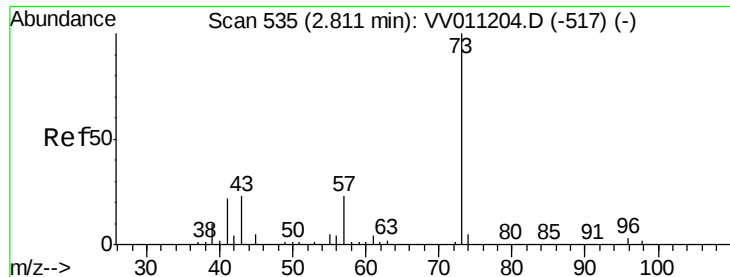
Tgt Ion: 43 Resp: 30283
Ion Ratio Lower Upper
43 100
74 20.0 18.5 27.7



#16
Methylene chloride
Concen: 4.828 ug/L
RT: 2.53 min Scan# 448
Delta R.T. 0.00 min
Lab File: VV011207.D
Acq: 04 Jun 2019 15:25

Tgt Ion: 84 Resp: 68205
Ion Ratio Lower Upper
84 100
86 65.2 44.9 83.3
49 146.0 102.1 189.5

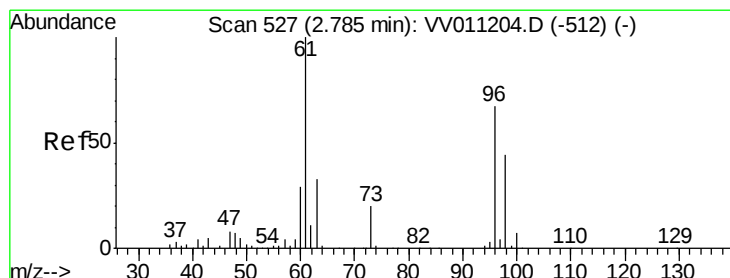
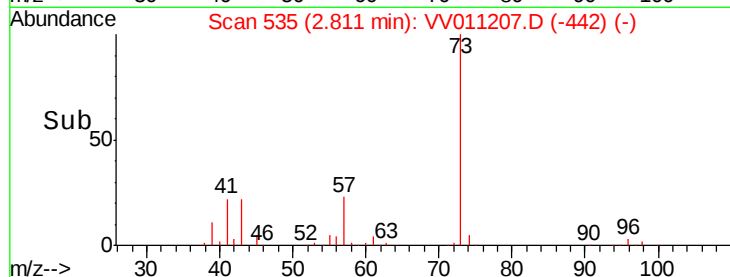
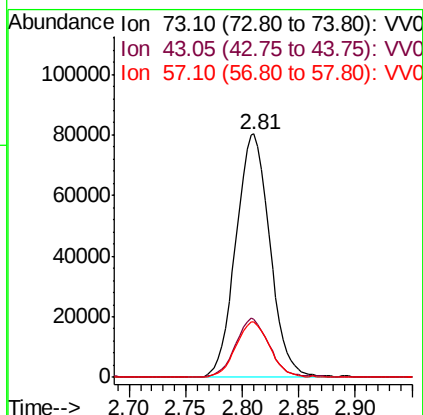
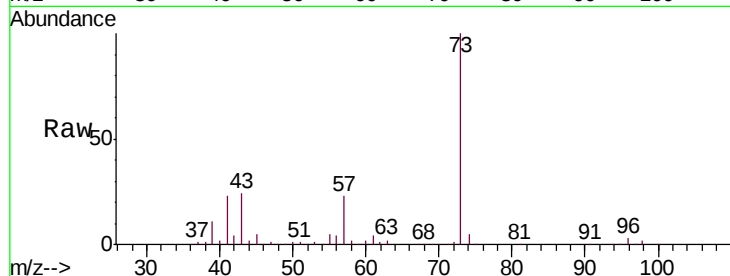




#17
Methyl tert-butyl Ether
Concen: 4.607 ug/L
RT: 2.81 min Scan# 535
Delta R.T. 0.00 min
Lab File: VV011207.D
Acq: 04 Jun 2019 15:25

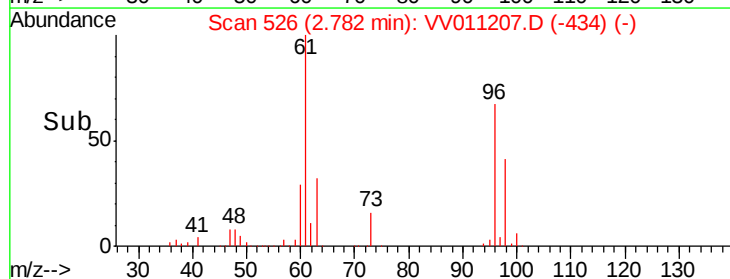
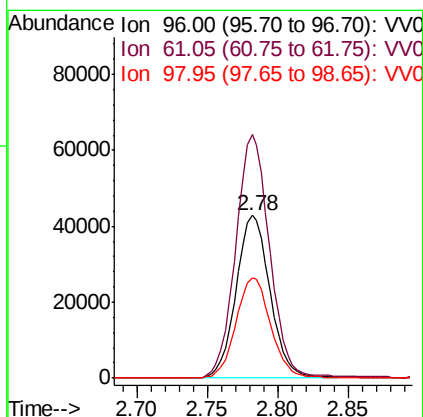
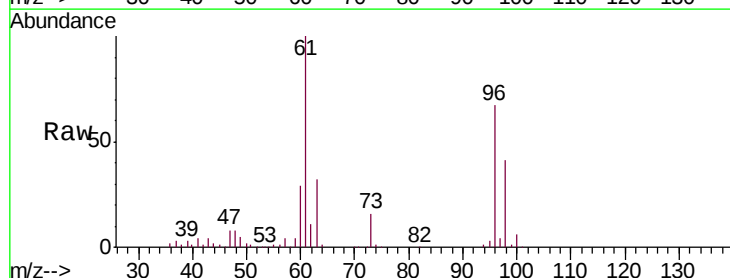
Instrument :
MSVOA_V
ClientSampled :
VICV42

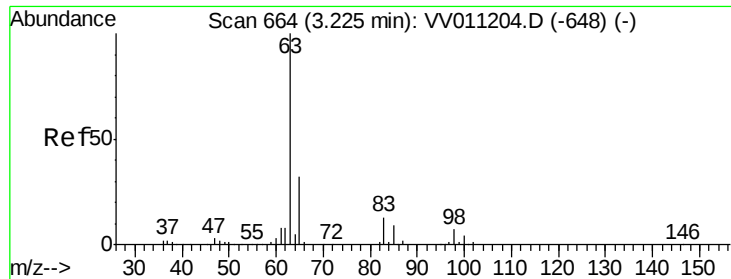
Tgt Ion: 73 Resp: 168611
Ion Ratio Lower Upper
73 100
43 23.1 18.7 28.1
57 22.3 18.1 27.1



#18
trans-1,2-Dichloroethene
Concen: 4.720 ug/L
RT: 2.78 min Scan# 526
Delta R.T. -0.00 min
Lab File: VV011207.D
Acq: 04 Jun 2019 15:25

Tgt Ion: 96 Resp: 72442
Ion Ratio Lower Upper
96 100
61 149.6 104.0 193.2
98 61.8 45.7 84.9





#19

1,1-Dichloroethane

Concen: 4.686 ug/L

RT: 3.22 min Scan# 663

Delta R.T. -0.00 min

Lab File: VV011207.D

Acq: 04 Jun 2019 15:25

Instrument :

MSVOA_V

ClientSampleId :

VICV42

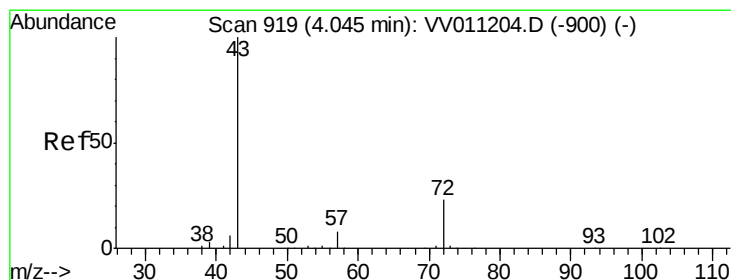
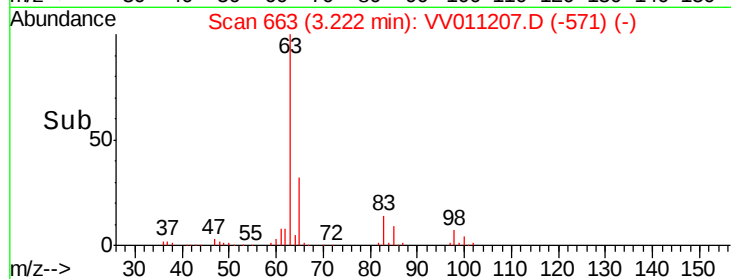
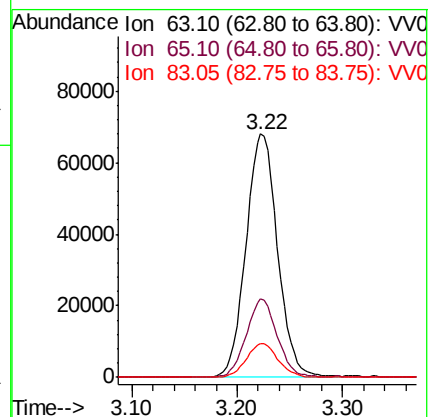
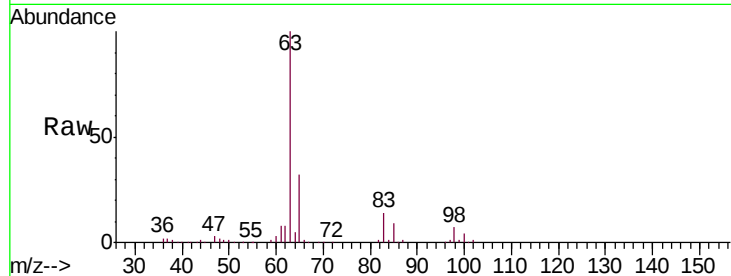
Tgt Ion: 63 Resp: 141892

Ion Ratio Lower Upper

63 100

65 32.5 22.1 41.1

83 13.7 9.2 17.0



#21

2-Butanone

Concen: 54.662 ug/L

RT: 4.05 min Scan# 919

Delta R.T. 0.00 min

Lab File: VV011207.D

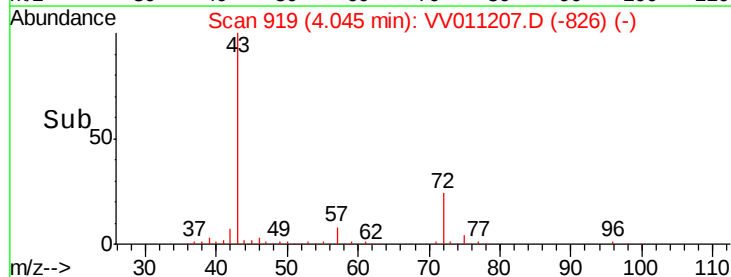
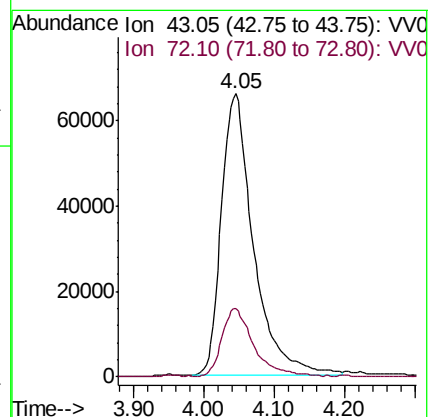
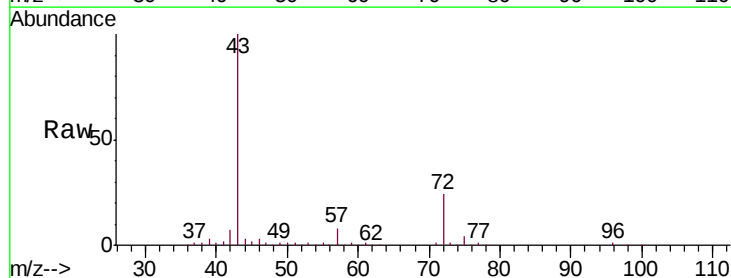
Acq: 04 Jun 2019 15:25

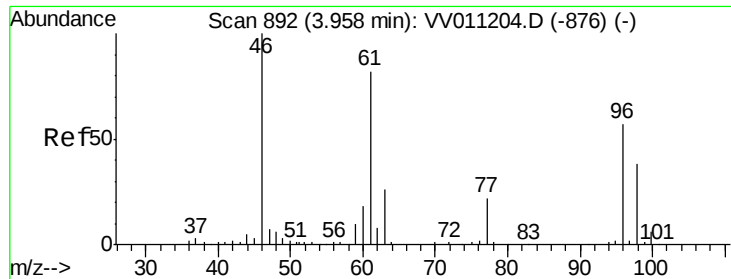
Tgt Ion: 43 Resp: 209509

Ion Ratio Lower Upper

43 100

72 24.1 12.7 38.1



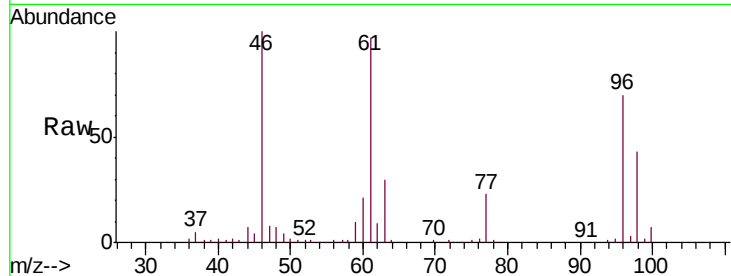


#22

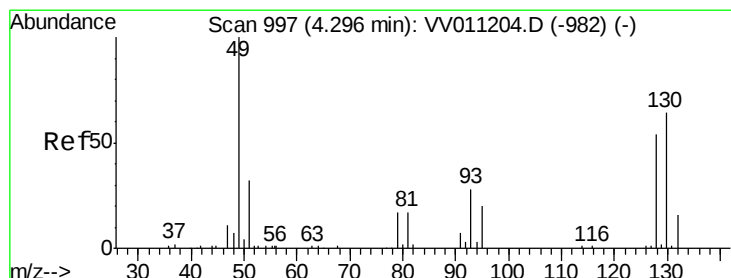
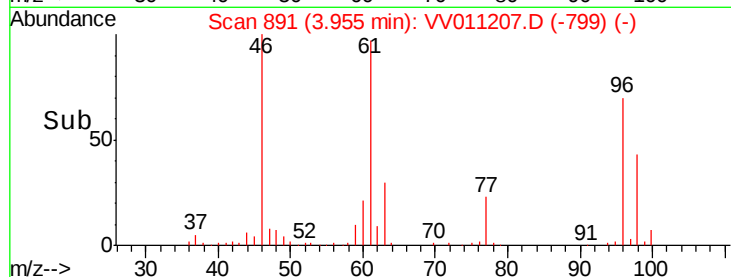
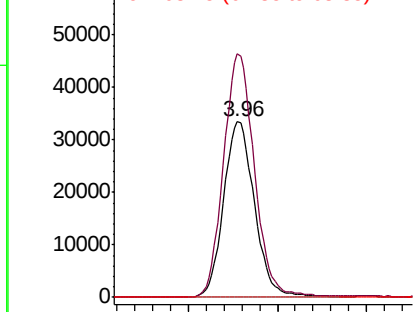
cis-1,2-Dichloroethene
Concen: 4.726 ug/L
RT: 3.96 min Scan# 891
Delta R.T. -0.00 min
Lab File: VV011207.D
Acq: 04 Jun 2019 15:25

Instrument :
MSVOA_V
ClientSampleId :
VICV42

Tgt Ion: 96 Resp: 80334
Ion Ratio Lower Upper
96 100
61 138.8 100.8 187.2
68 0.0 0.0 0.0



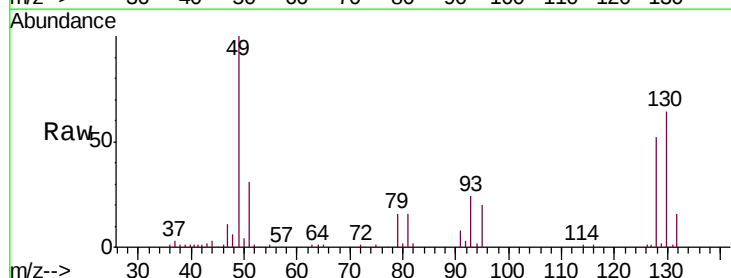
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



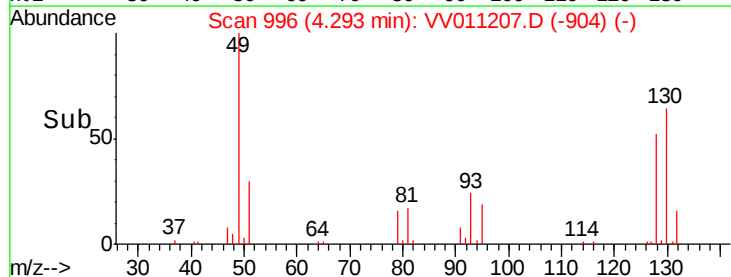
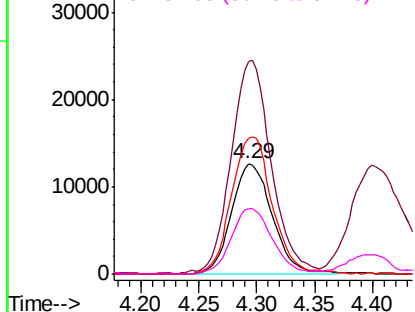
#23

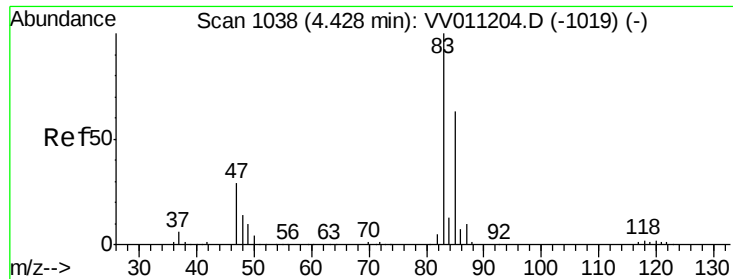
Bromochloromethane
Concen: 4.732 ug/L
RT: 4.29 min Scan# 996
Delta R.T. -0.00 min
Lab File: VV011207.D
Acq: 04 Jun 2019 15:25

Tgt Ion: 128 Resp: 30838
Ion Ratio Lower Upper
128 100
49 193.1 128.9 239.5
130 122.9 82.5 153.1
51 59.7 47.2 70.8



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

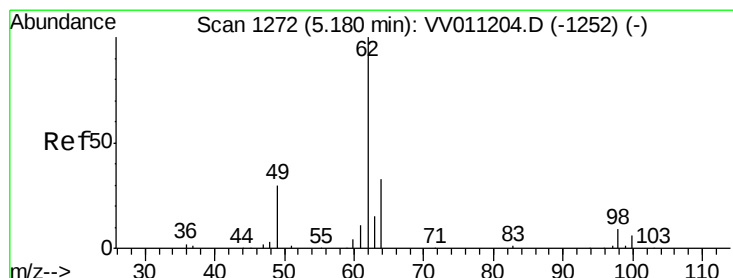
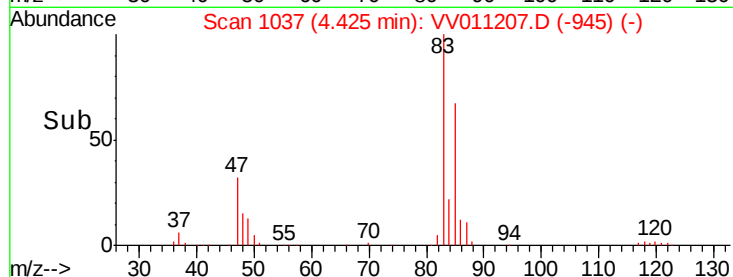
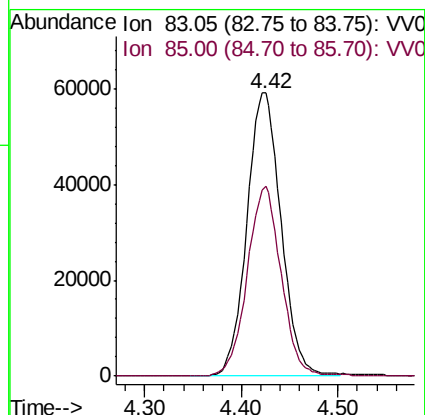
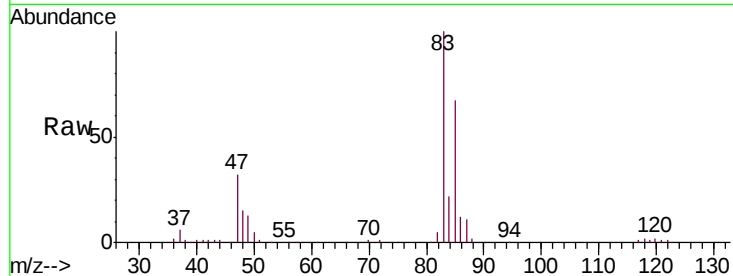




#25
Chloroform
Concen: 4.646 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV011207.D
Acq: 04 Jun 2019 15:25

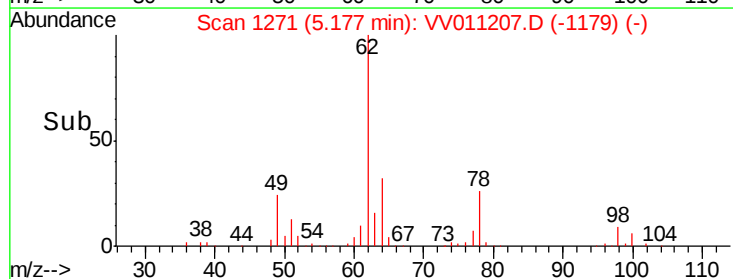
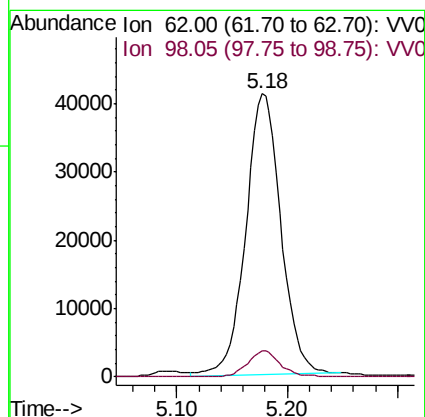
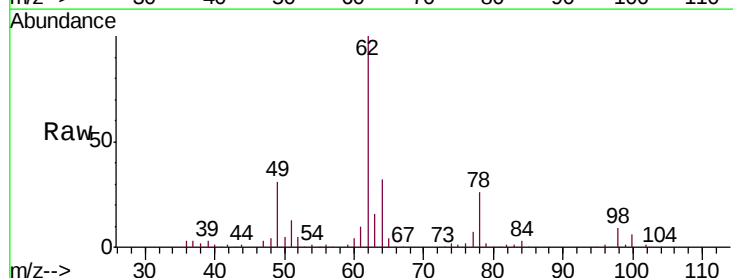
Instrument :
MSVOA_V
ClientSampleId :
VICV42

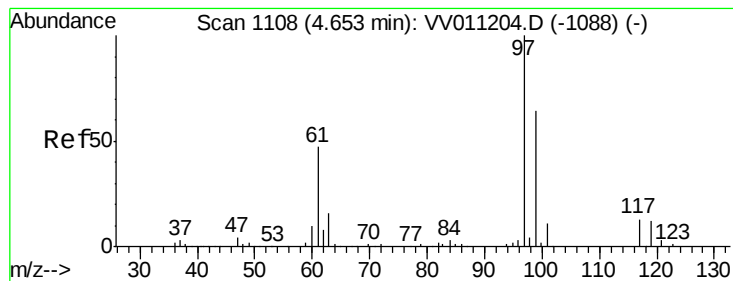
Tgt Ion: 83 Resp: 145276
Ion Ratio Lower Upper
83 100
85 67.2 44.1 81.9



#27
1,2-Dichloroethane
Concen: 4.751 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VV011207.D
Acq: 04 Jun 2019 15:25

Tgt Ion: 62 Resp: 90778
Ion Ratio Lower Upper
62 100
98 9.0 6.9 10.3





#29

1,1,1-Trichloroethane

Concen: 4.834 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VV011207.D

Acq: 04 Jun 2019 15:25

Instrument :

MSVOA_V

ClientSampleId :

VICV42

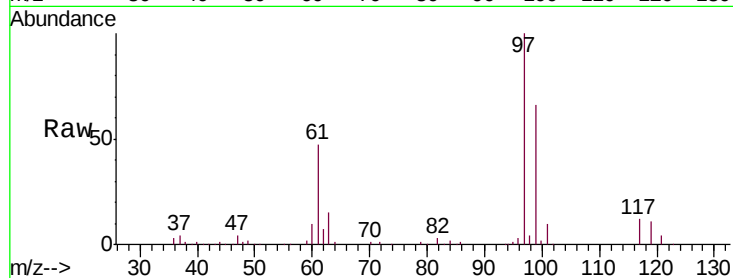
Tgt Ion: 97 Resp: 122400

Ion Ratio Lower Upper

97 100

99 64.3 50.8 76.2

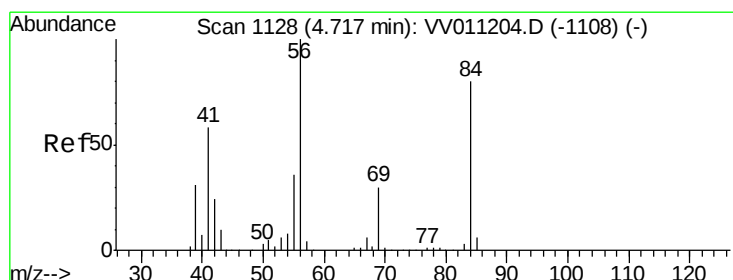
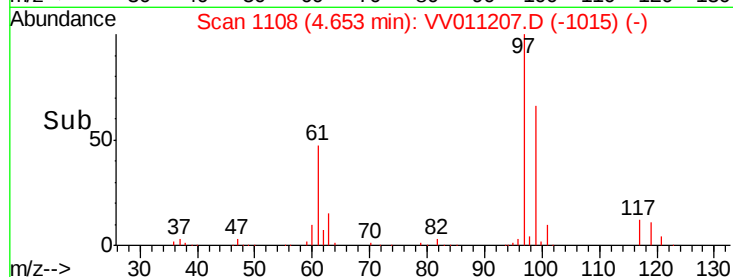
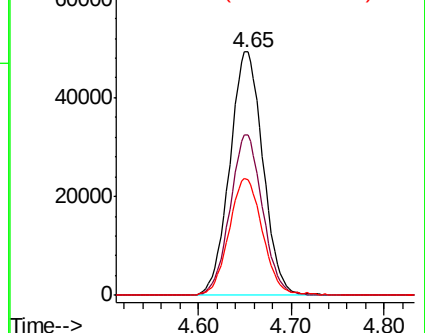
61 48.5 38.9 58.3



Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0



#30

Cyclohexane

Concen: 4.718 ug/L

RT: 4.71 min Scan# 1127

Delta R.T. -0.00 min

Lab File: VV011207.D

Acq: 04 Jun 2019 15:25

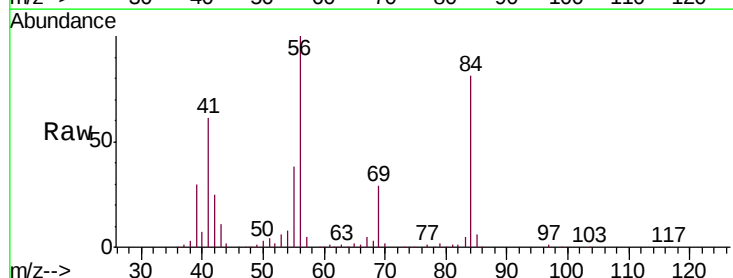
Tgt Ion: 56 Resp: 132474

Ion Ratio Lower Upper

56 100

69 29.2 24.1 36.1

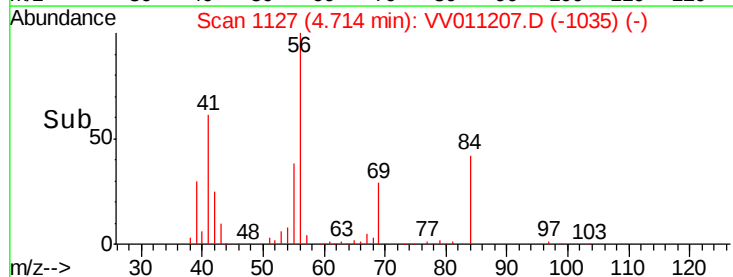
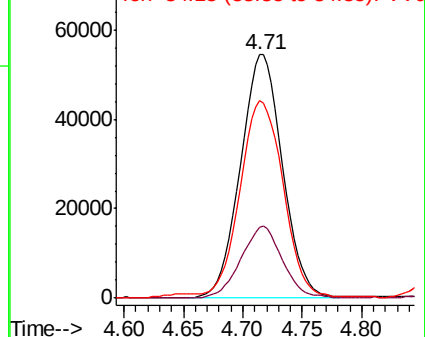
84 83.1 66.4 99.6

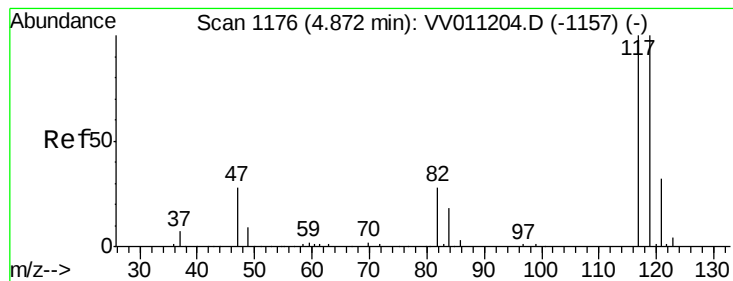


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 4.840 ug/L

RT: 4.87 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VV011207.D

Acq: 04 Jun 2019 15:25

Instrument :

MSVOA_V

ClientSampleId :

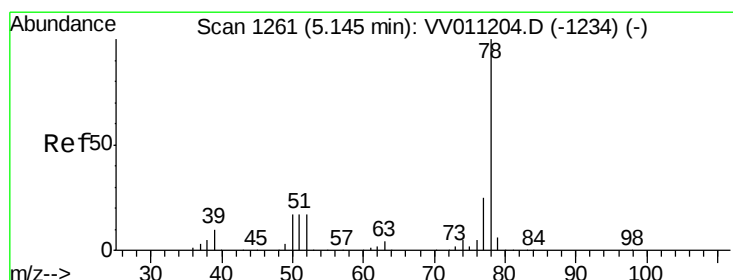
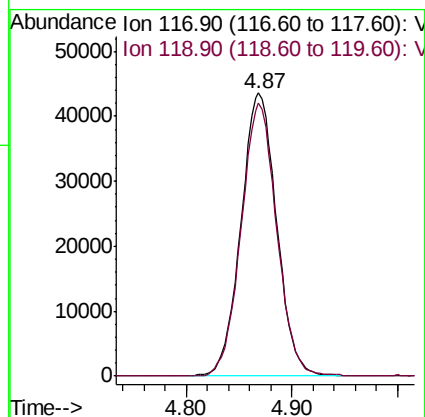
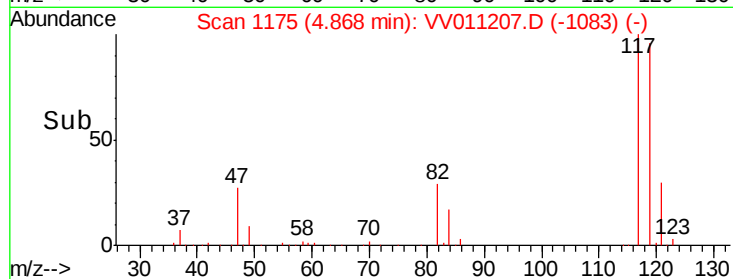
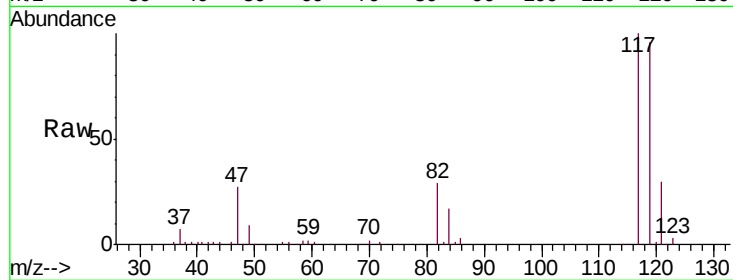
VICV42

Tgt Ion:117 Resp: 102429

Ion Ratio Lower Upper

117 100

119 96.0 77.9 116.9



#33

Benzene

Concen: 4.867 ug/L

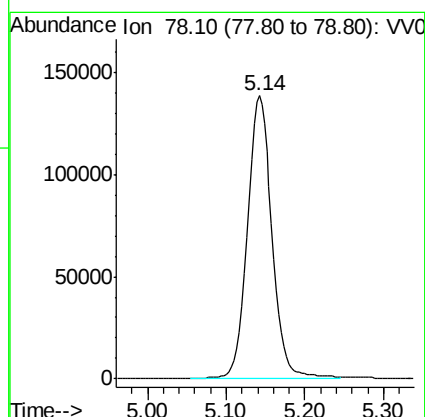
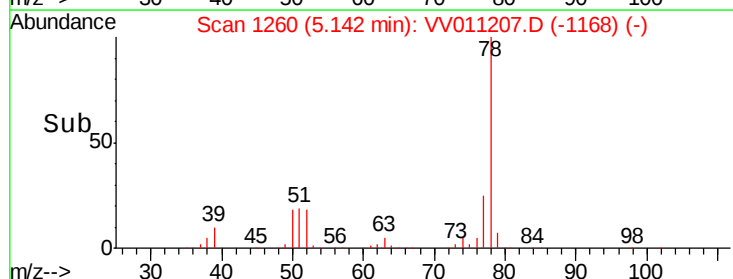
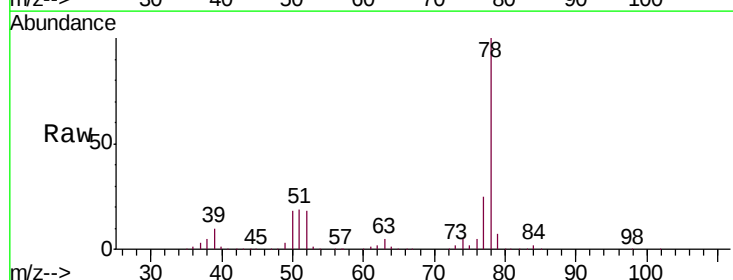
RT: 5.14 min Scan# 1260

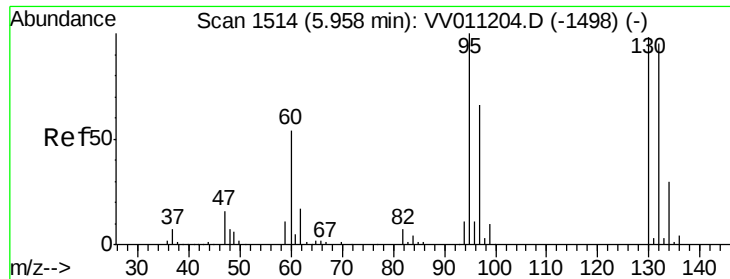
Delta R.T. -0.00 min

Lab File: VV011207.D

Acq: 04 Jun 2019 15:25

Tgt Ion: 78 Resp: 307475





#34

Trichloroethene

Concen: 4.977 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV011207.D

Acq: 04 Jun 2019 15:25

Instrument :

MSVOA_V

ClientSampleId :

VICV42

Tgt Ion: 95 Resp: 81228

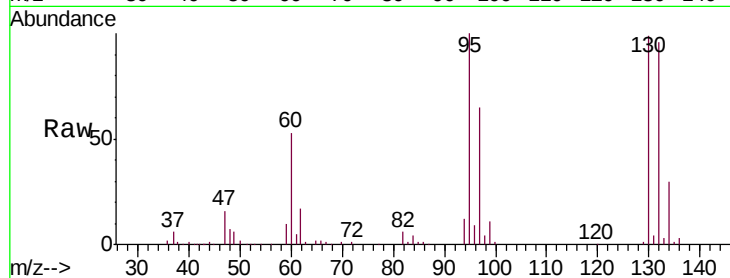
Ion Ratio Lower Upper

95 100

97 65.4 45.8 85.2

132 96.0 66.4 123.2

130 98.6 68.3 126.8

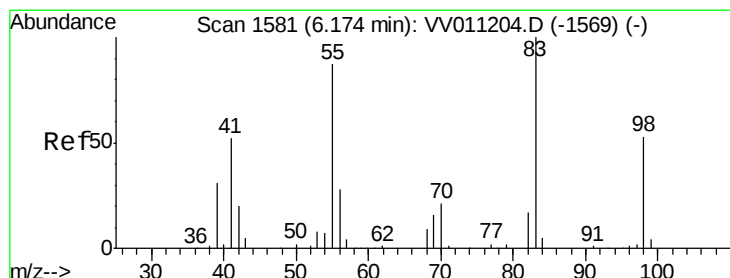
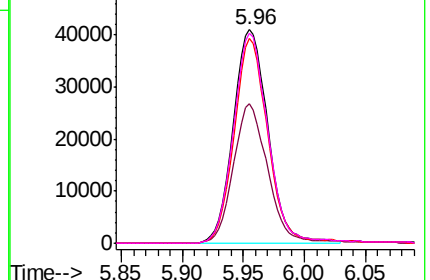
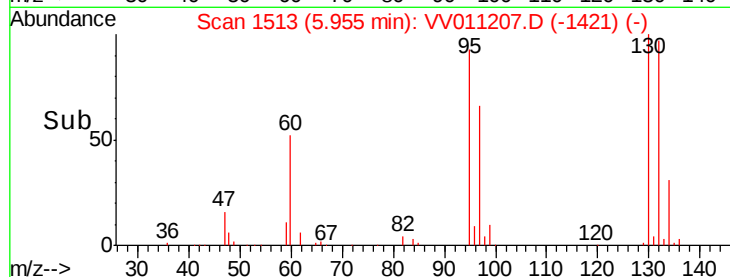


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 4.740 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. -0.00 min

Lab File: VV011207.D

Acq: 04 Jun 2019 15:25

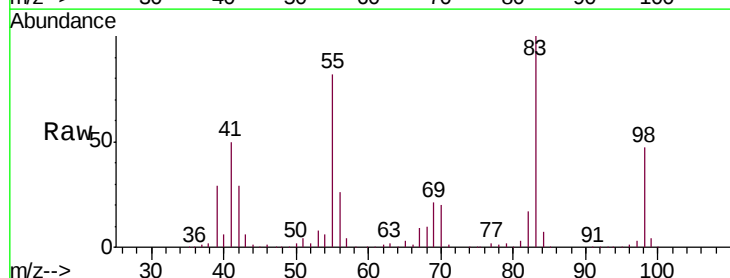
Tgt Ion: 83 Resp: 127949

Ion Ratio Lower Upper

83 100

55 84.4 67.0 100.6

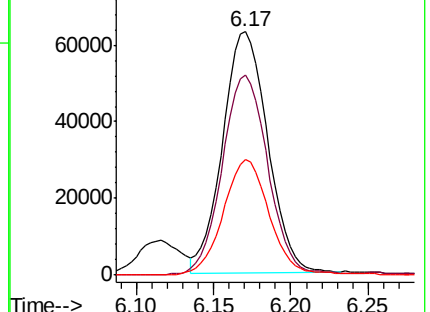
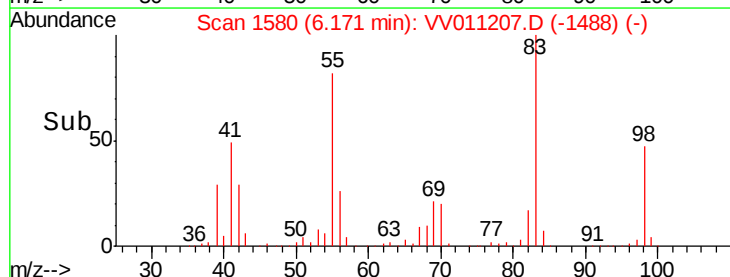
98 49.3 40.0 60.0

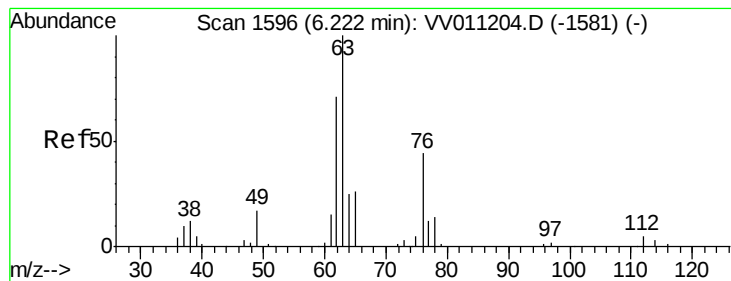


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 4.880 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. -0.00 min

Lab File: VV011207.D

Acq: 04 Jun 2019 15:25

Instrument :

MSVOA_V

ClientSampleId :

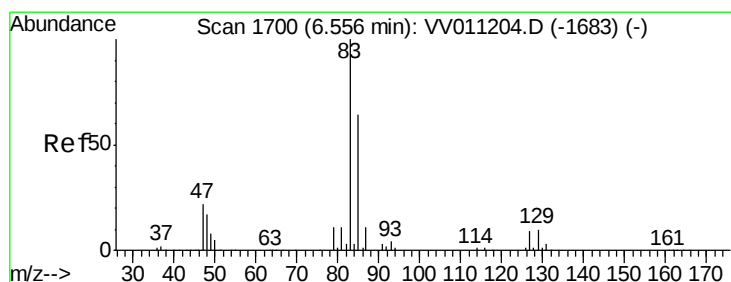
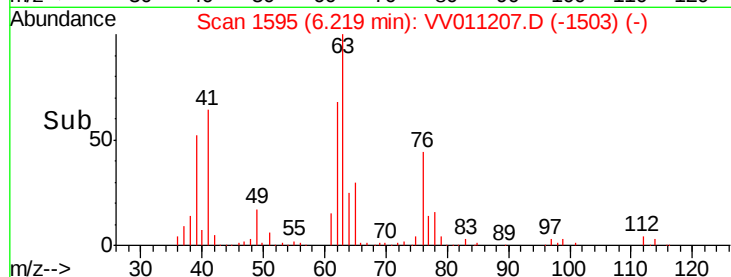
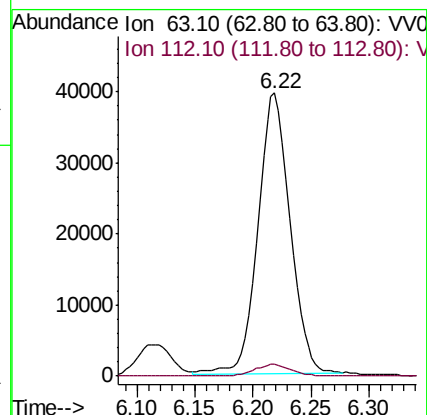
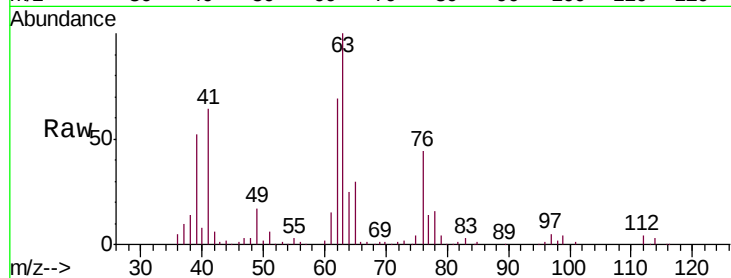
VICV42

Tgt Ion: 63 Resp: 76737

Ion Ratio Lower Upper

63 100

112 4.6 3.6 5.4



#38

Bromodichloromethane

Concen: 4.978 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VV011207.D

Acq: 04 Jun 2019 15:25

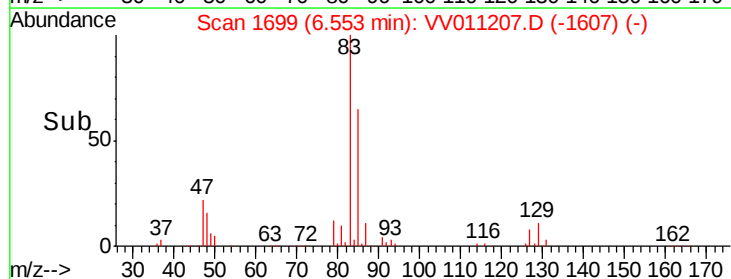
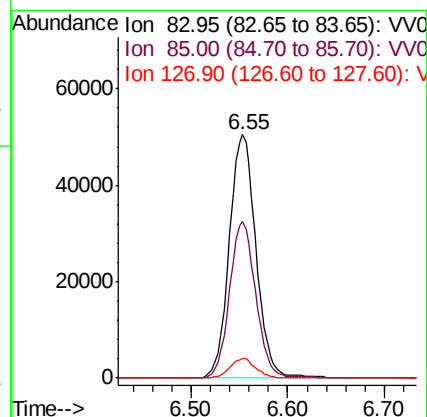
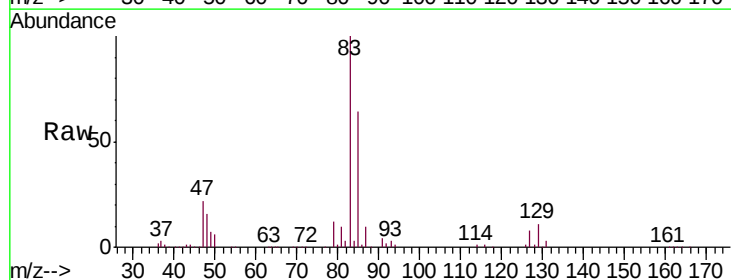
Tgt Ion: 83 Resp: 96769

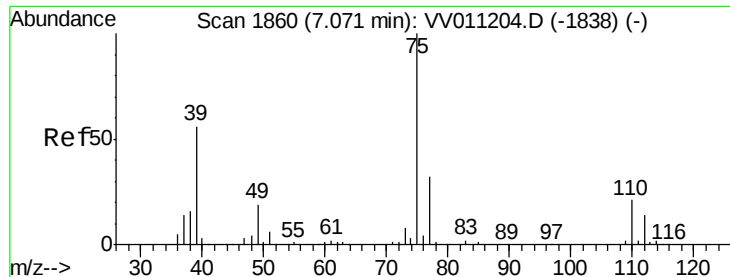
Ion Ratio Lower Upper

83 100

85 64.4 44.5 82.7

127 7.9 7.0 10.4

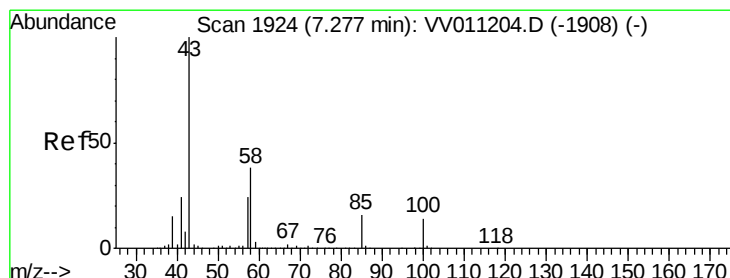
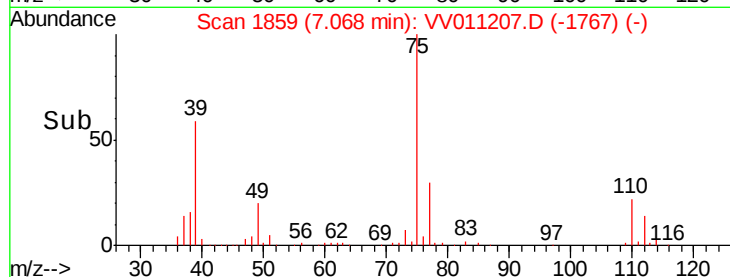
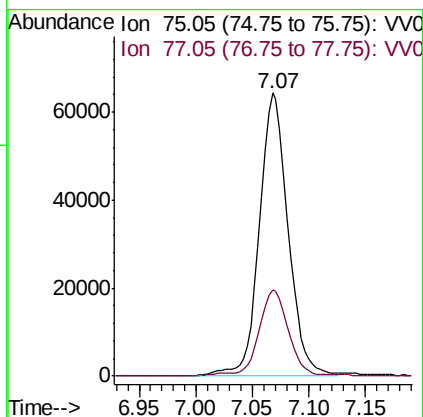
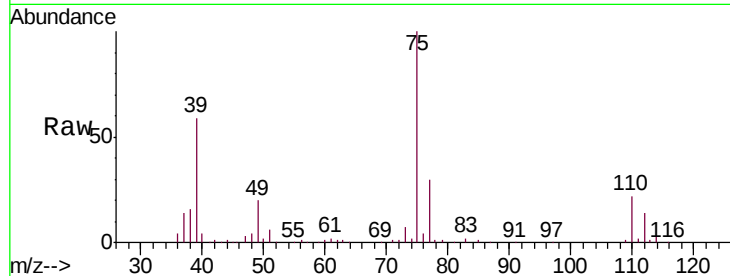




#39
 cis-1,3-Dichloropropene
 Concen: 4.956 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VV011207.D
 Acq: 04 Jun 2019 15:25

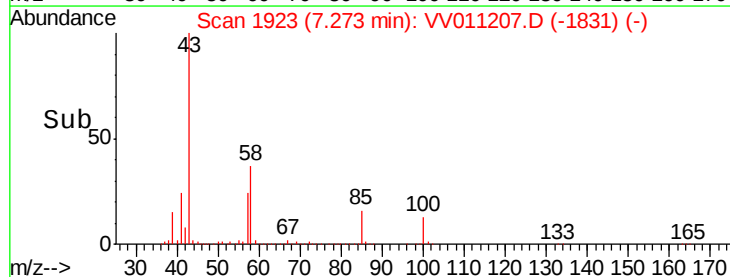
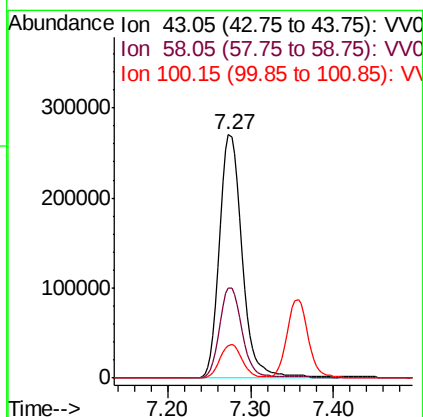
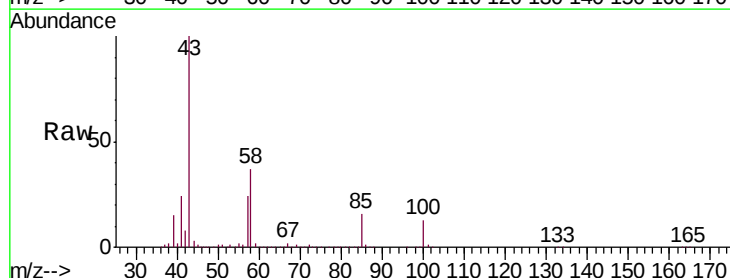
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV42

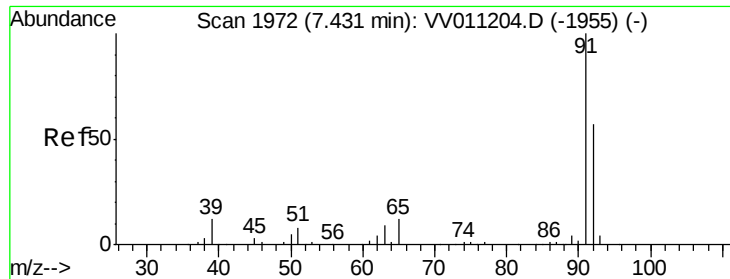
Tgt Ion: 75 Resp: 114021
 Ion Ratio Lower Upper
 75 100
 77 30.5 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 51.079 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VV011207.D
 Acq: 04 Jun 2019 15:25

Tgt Ion: 43 Resp: 511465
 Ion Ratio Lower Upper
 43 100
 58 36.8 29.3 43.9
 100 13.5 10.6 16.0





#42

Toluene

Concen: 4.914 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV011207.D

Acq: 04 Jun 2019 15:25

Instrument :

MSVOA_V

ClientSampleId :

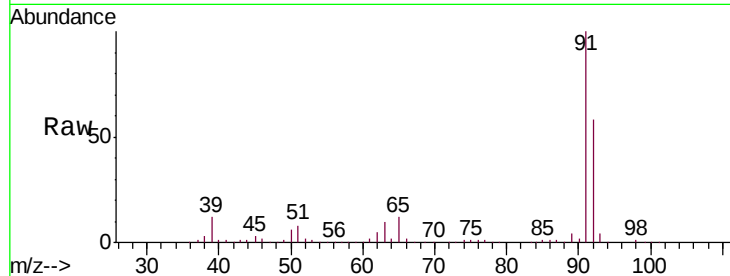
VICV42

Tgt Ion: 91 Resp: 330864

Ion Ratio Lower Upper

91 100

92 58.0 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.43

200000

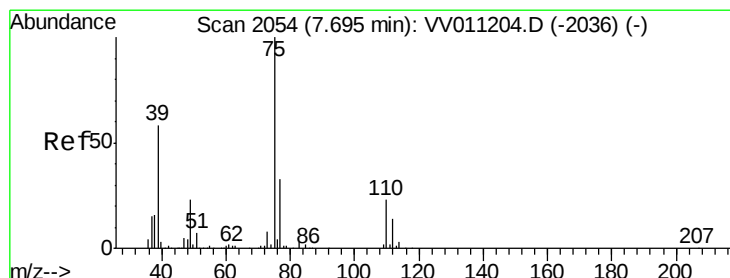
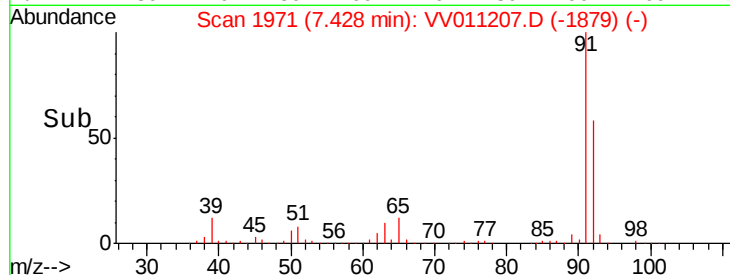
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.058 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV011207.D

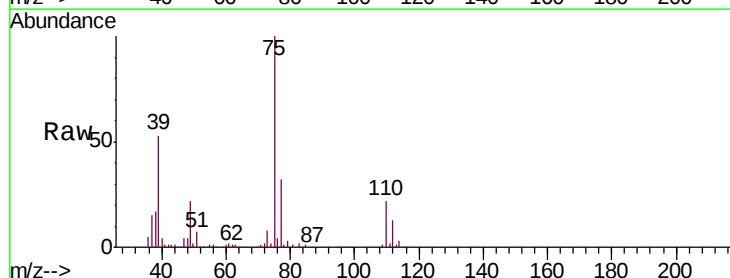
Acq: 04 Jun 2019 15:25

Tgt Ion: 75 Resp: 88467

Ion Ratio Lower Upper

75 100

77 31.9 23.1 42.9



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.69

60000

50000

40000

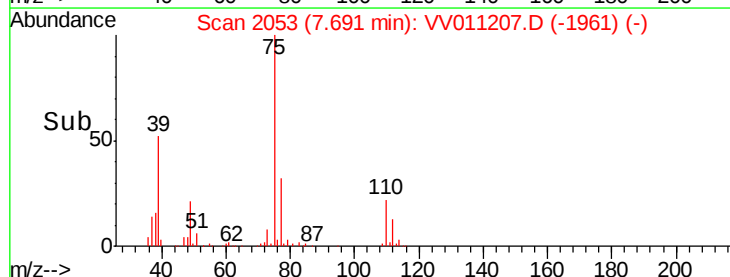
30000

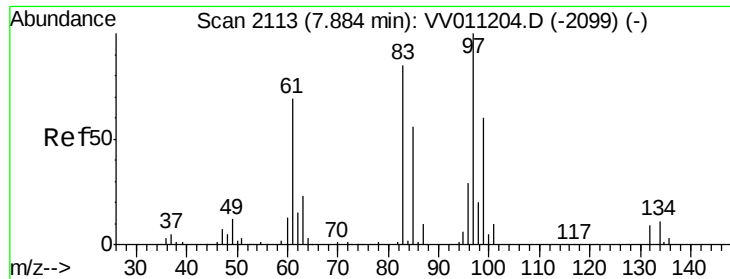
20000

10000

0

Time-->

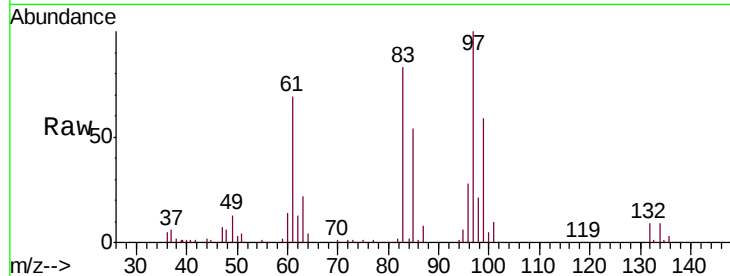




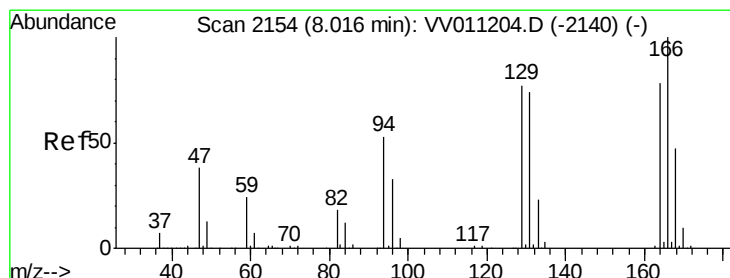
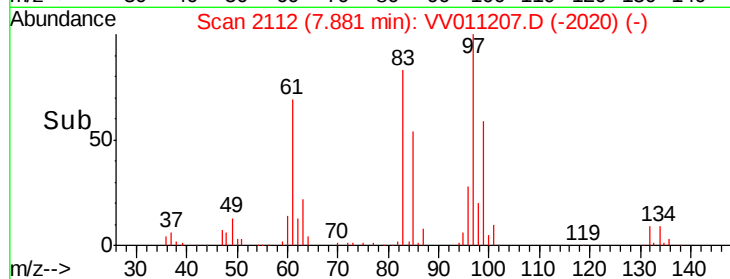
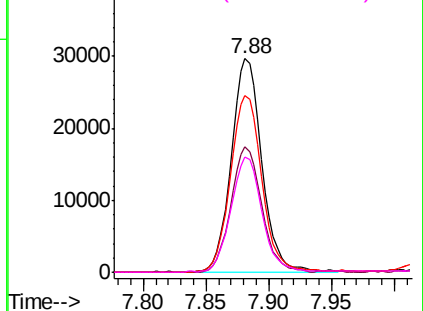
#45
 1,1,2-Trichloroethane
 Concen: 4.991 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VV011207.D
 Acq: 04 Jun 2019 15:25

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV42

Tgt Ion:	97	Resp:	50235
Ion	Ratio	Lower	Upper
97	100		
99	58.5	42.1	78.3
83	82.7	59.4	110.2
85	53.8	39.7	73.7

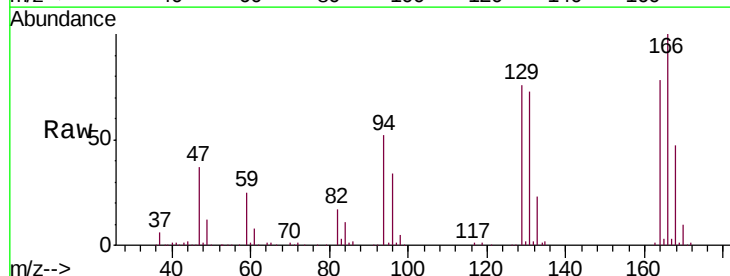


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

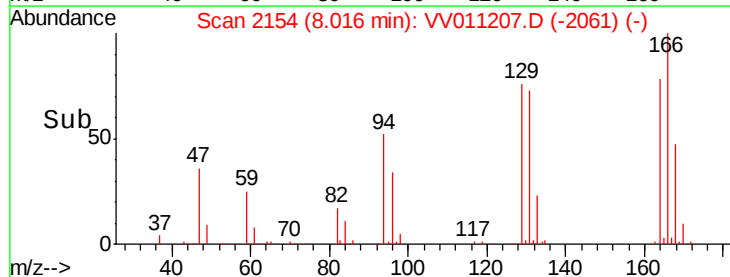
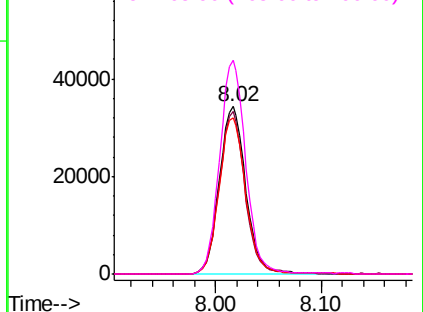


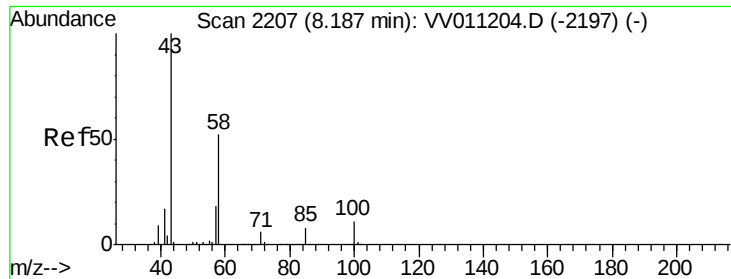
#47
 Tetrachloroethene
 Concen: 5.067 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV011207.D
 Acq: 04 Jun 2019 15:25

Tgt Ion:	164	Resp:	59766
Ion	Ratio	Lower	Upper
164	100		
129	97.3	69.9	129.9
131	93.7	66.8	124.2
166	127.7	90.2	167.6



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

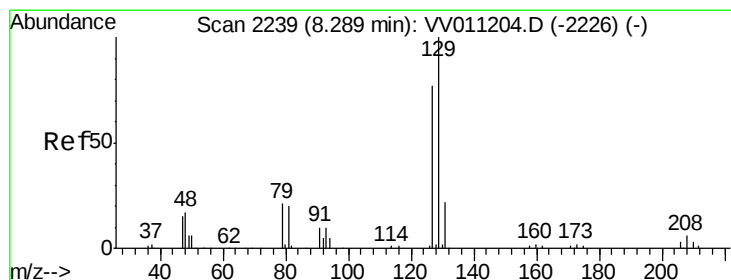
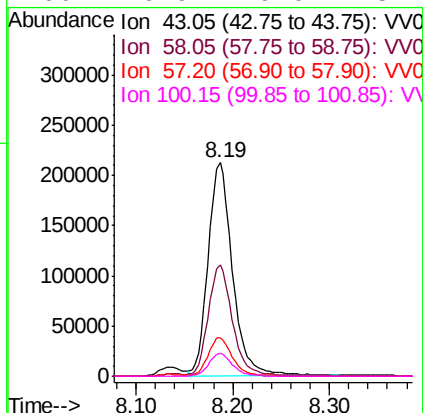
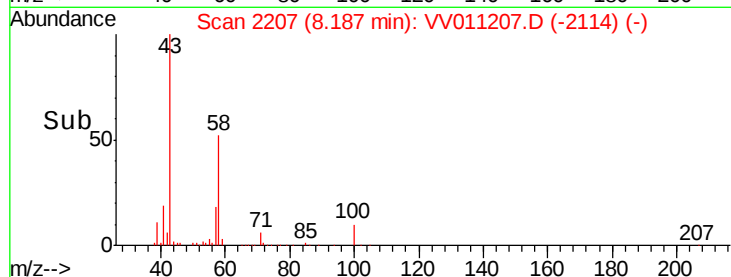
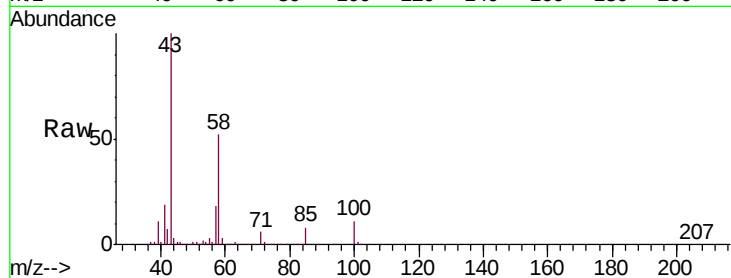




#48
2-Hexanone
Concen: 52.982 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV011207.D
Acq: 04 Jun 2019 15:25

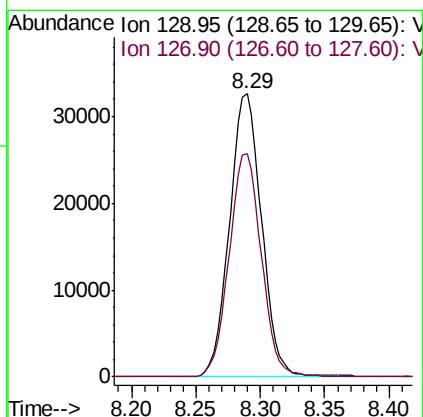
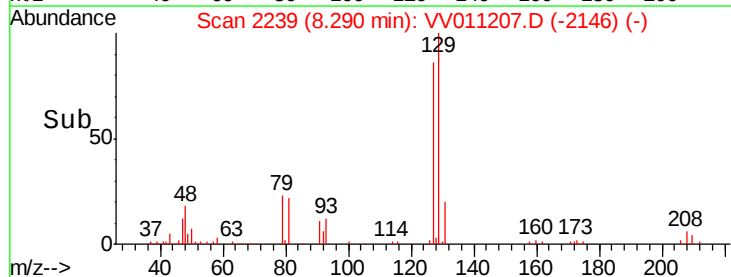
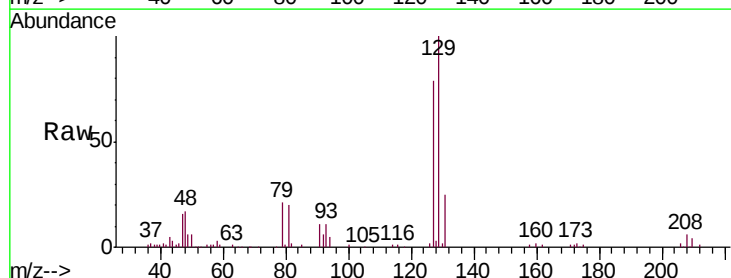
Instrument :
MSVOA_V
ClientSampleId :
VICV42

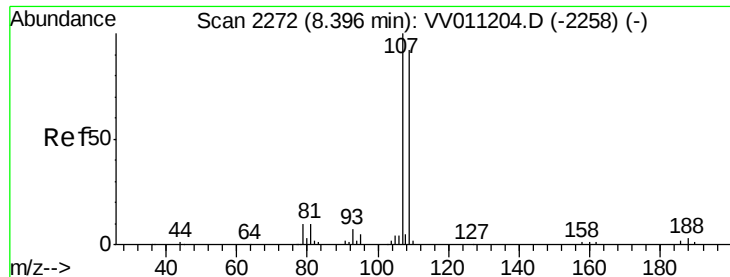
Tgt Ion: 43 Resp: 370000
Ion Ratio Lower Upper
43 100
58 51.6 41.4 62.0
57 17.7 15.0 22.4
100 10.9 9.0 13.4



#49
Dibromochloromethane
Concen: 4.932 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV011207.D
Acq: 04 Jun 2019 15:25

Tgt Ion: 129 Resp: 56389
Ion Ratio Lower Upper
129 100
127 78.9 53.7 99.7

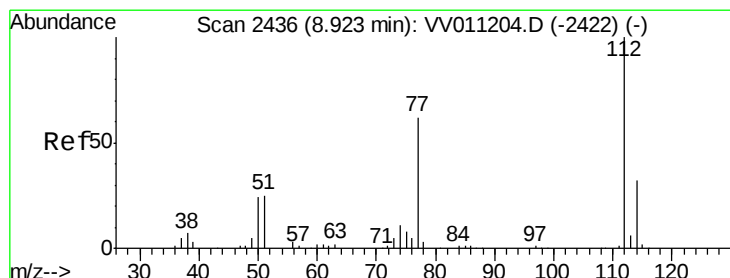
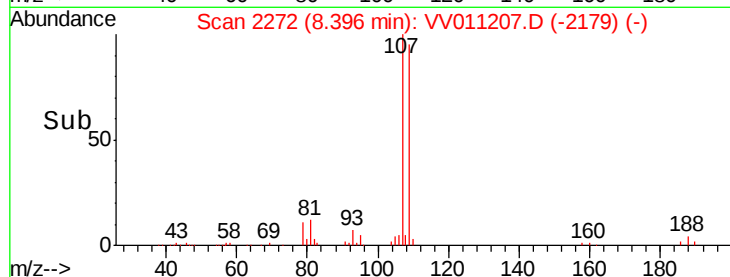
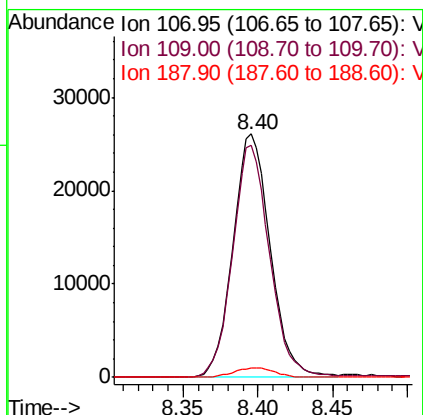
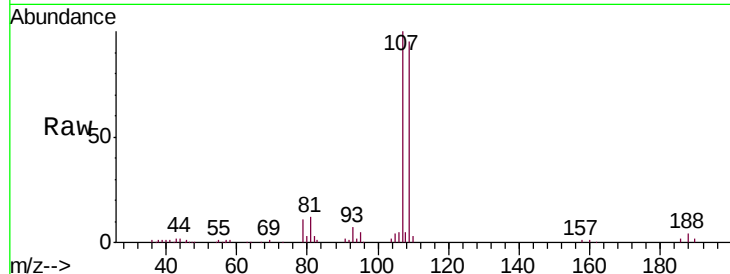




#50
1,2-Dibromoethane
Concen: 4.736 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV011207.D
Acq: 04 Jun 2019 15:25

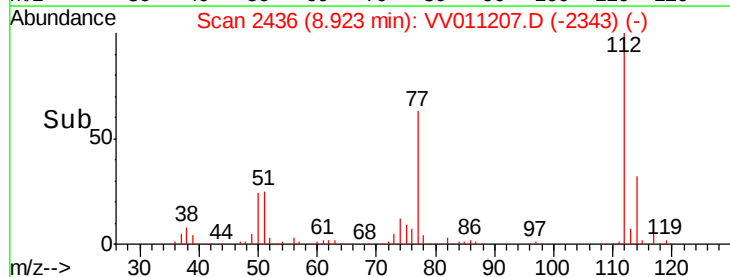
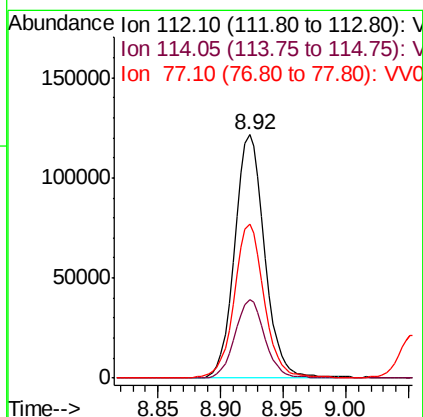
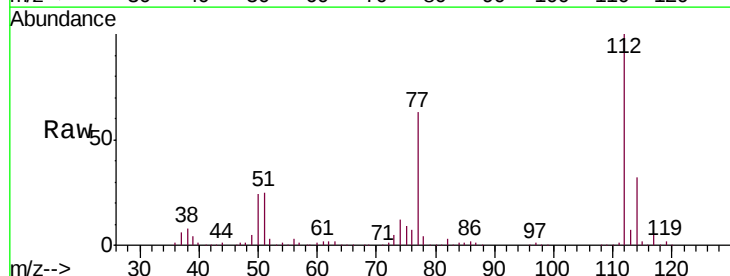
Instrument :
MSVOA_V
ClientSampleId :
VICV42

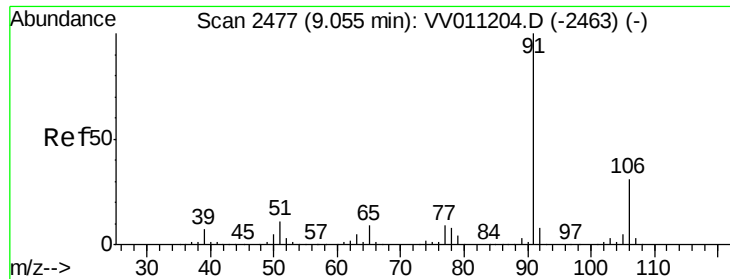
Tgt Ion:107 Resp: 45313
Ion Ratio Lower Upper
107 100
109 95.1 64.5 119.9
188 3.6 2.7 4.1



#51
Chlorobenzene
Concen: 4.899 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV011207.D
Acq: 04 Jun 2019 15:25

Tgt Ion:112 Resp: 201148
Ion Ratio Lower Upper
112 100
114 32.3 22.6 42.0
77 63.3 50.1 75.1

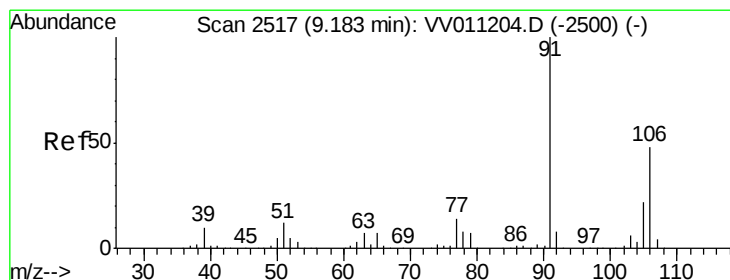
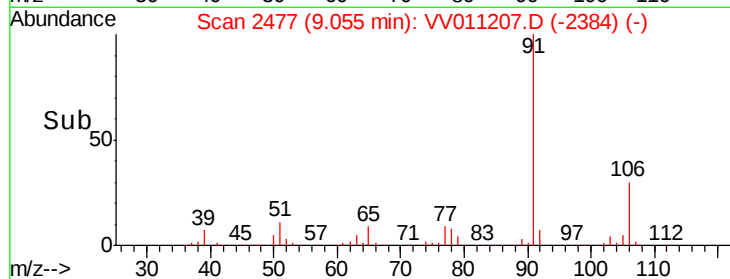
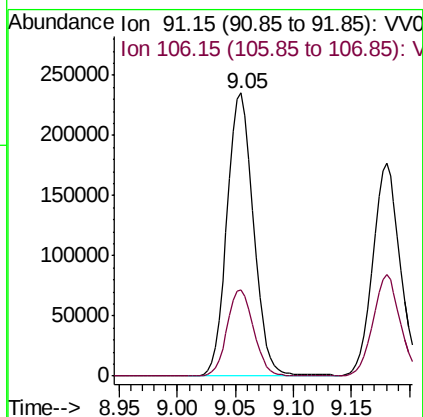
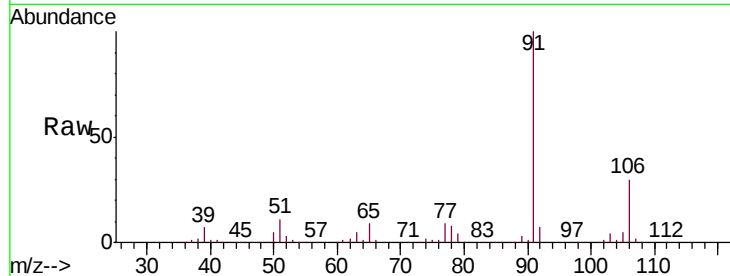




#52
Ethylbenzene
Concen: 5.009 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. 0.00 min
Lab File: VV011207.D
Acq: 04 Jun 2019 15:25

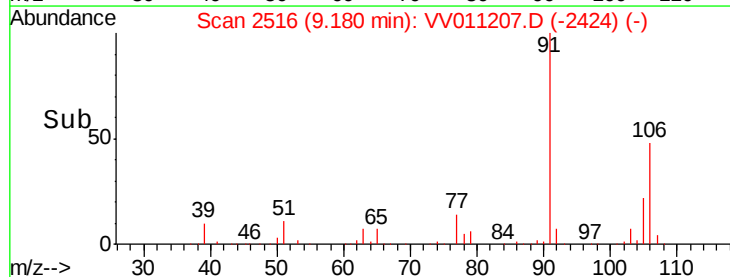
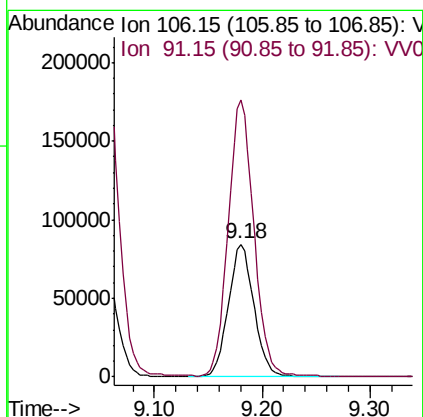
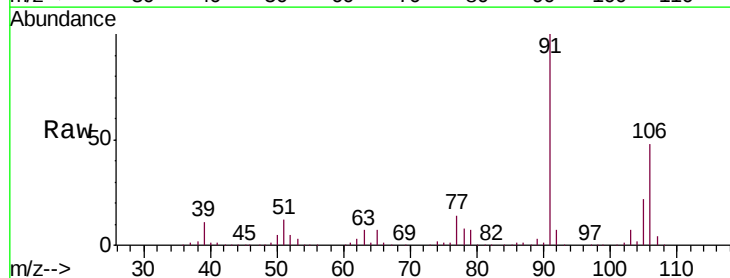
Instrument :
MSVOA_V
ClientSampleId :
VICV42

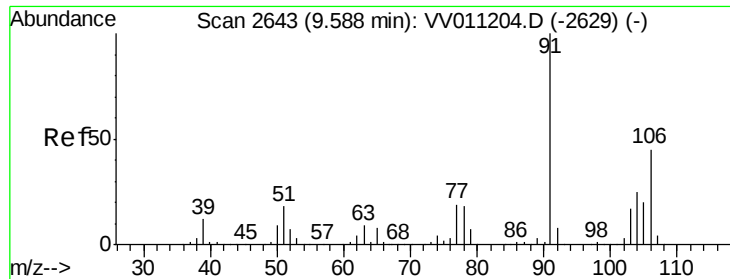
Tgt Ion: 91 Resp: 374585
Ion Ratio Lower Upper
91 100
106 30.3 21.5 39.9



#53
m,p-xylene
Concen: 5.010 ug/L
RT: 9.18 min Scan# 2516
Delta R.T. -0.00 min
Lab File: VV011207.D
Acq: 04 Jun 2019 15:25

Tgt Ion: 106 Resp: 138548
Ion Ratio Lower Upper
106 100
91 208.9 145.5 270.3

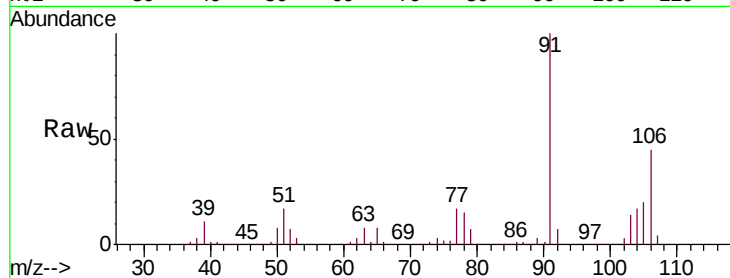




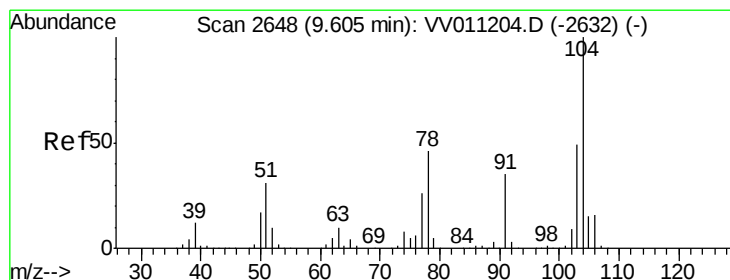
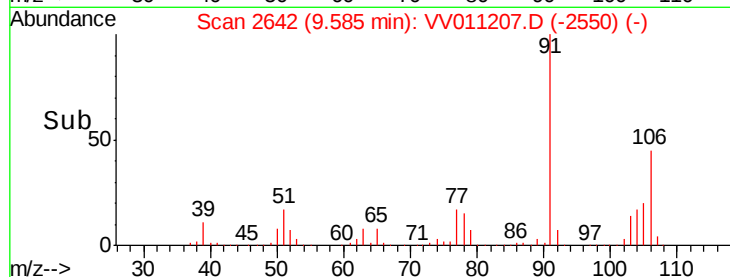
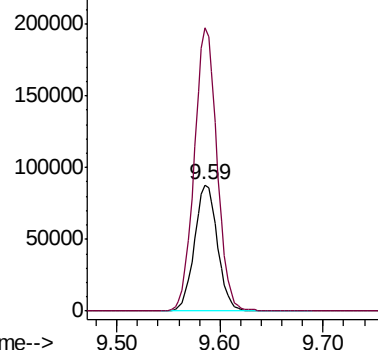
#54
o-xylene
Concen: 5.047 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. -0.00 min
Lab File: VV011207.D
Acq: 04 Jun 2019 15:25

Instrument :
MSVOA_V
ClientSampled :
VICV42

Tgt Ion:106 Resp: 136966
Ion Ratio Lower Upper
106 100
91 224.5 155.4 288.6

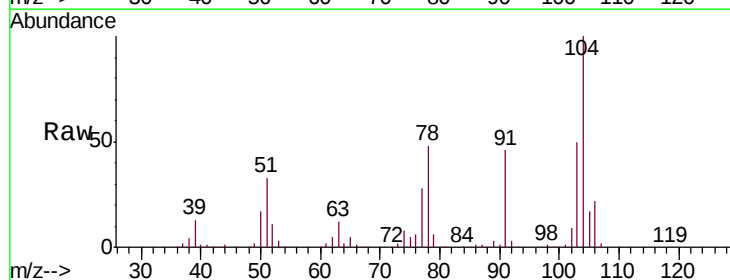


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

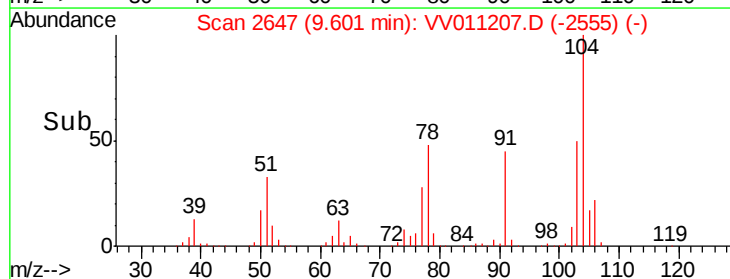
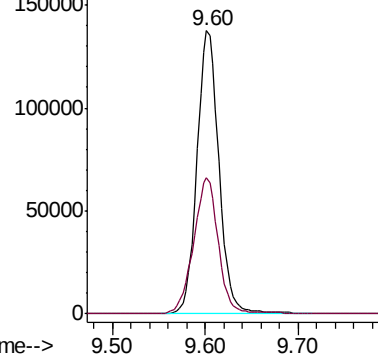


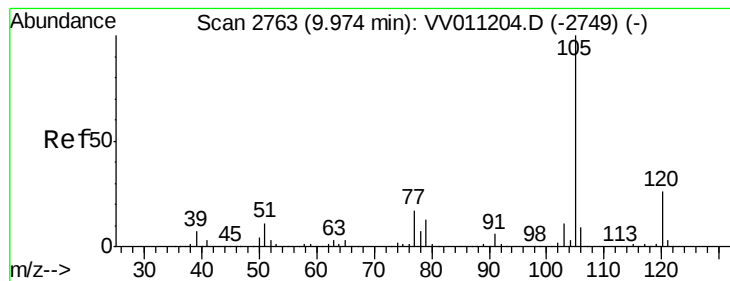
#55
Styrene
Concen: 5.127 ug/L
RT: 9.60 min Scan# 2647
Delta R.T. -0.00 min
Lab File: VV011207.D
Acq: 04 Jun 2019 15:25

Tgt Ion:104 Resp: 226593
Ion Ratio Lower Upper
104 100
78 48.3 32.4 60.2



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





#56

Isopropylbenzene

Concen: 4.979 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV011207.D

Acq: 04 Jun 2019 15:25

Instrument :

MSVOA_V

ClientSampleId :

VICV42

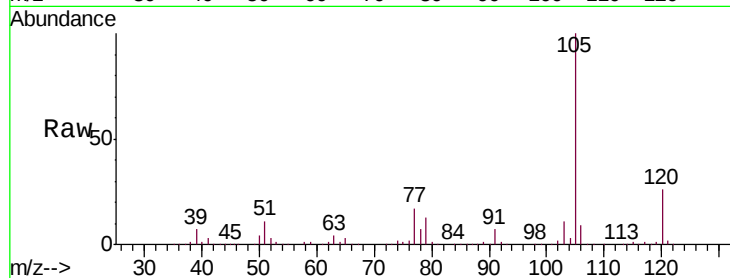
Tgt Ion: 105 Resp: 363709

Ion Ratio Lower Upper

105 100

120 25.9 20.9 31.3

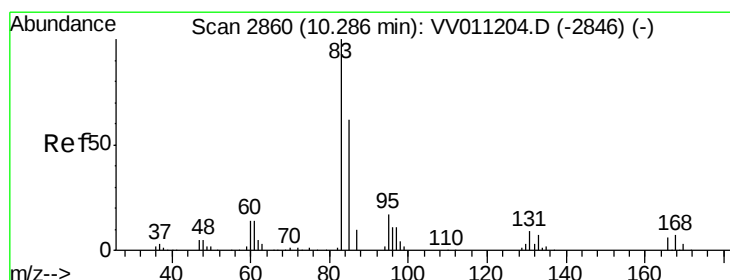
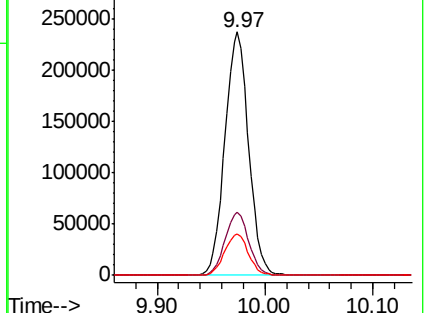
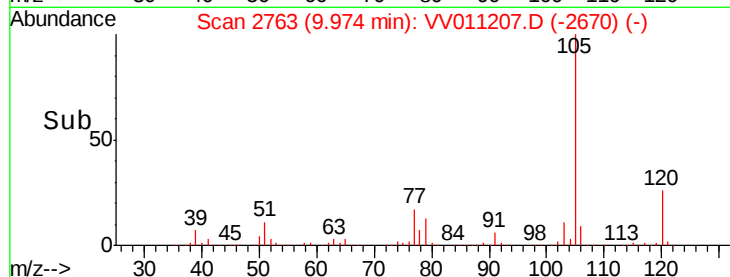
77 17.0 13.8 20.6



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: 4.758 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV011207.D

Acq: 04 Jun 2019 15:25

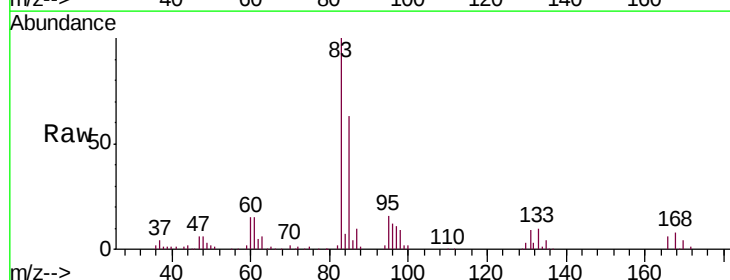
Tgt Ion: 83 Resp: 58055

Ion Ratio Lower Upper

83 100

85 62.7 43.5 80.9

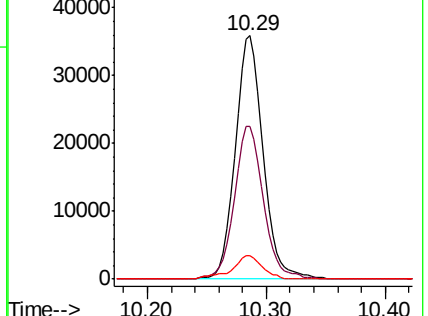
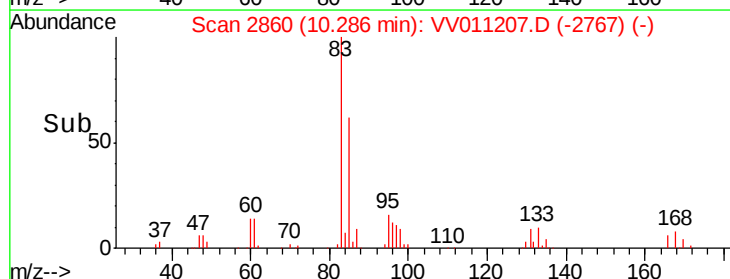
131 9.4 7.5 11.3

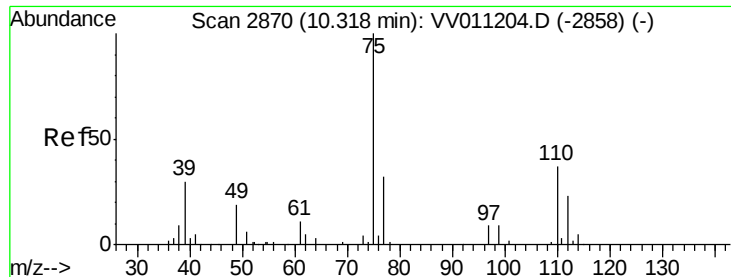


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

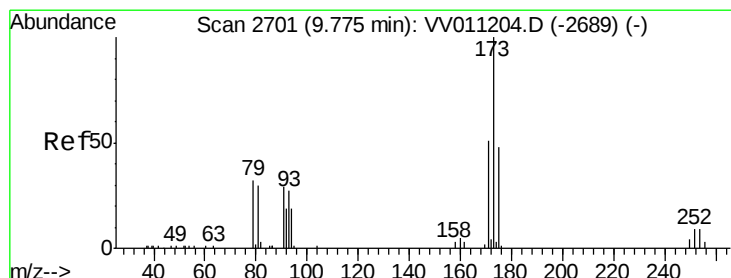
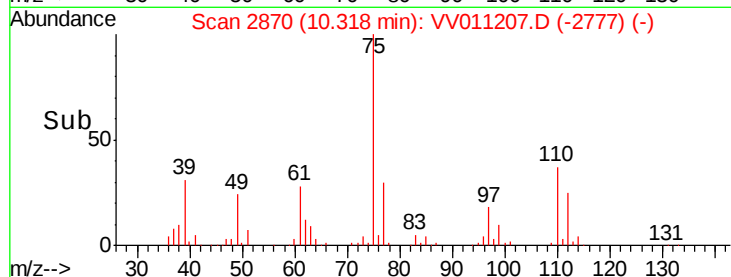
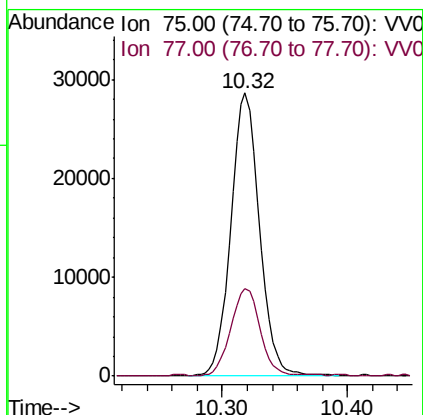
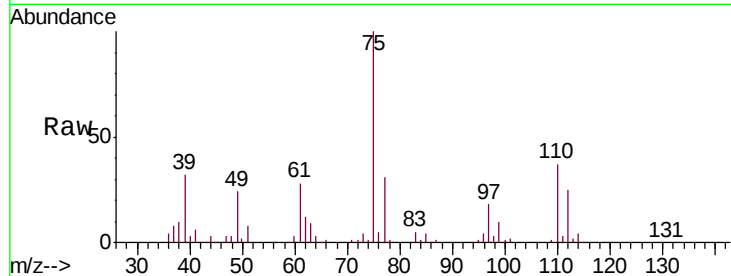




#59
 1,2,3-Trichloropropane
 Concen: 4.938 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VV011207.D
 Acq: 04 Jun 2019 15:25

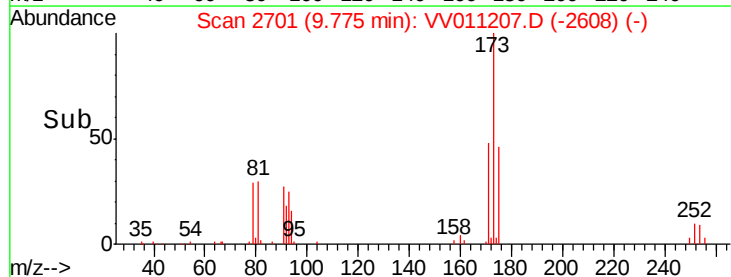
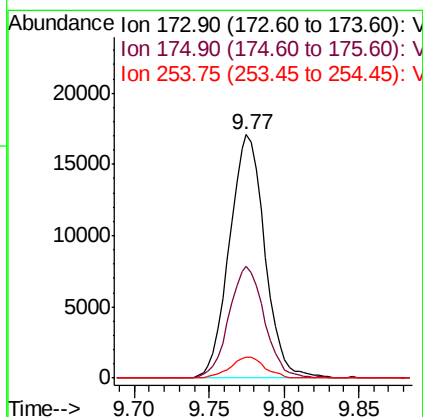
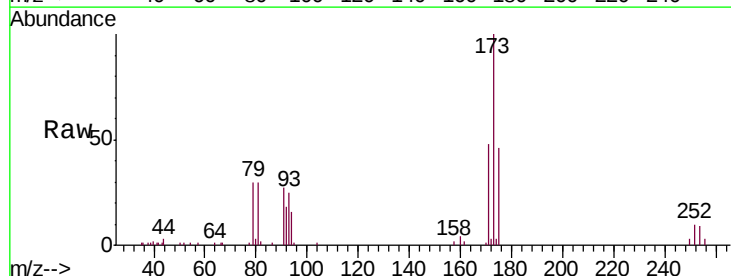
Instrument :
 MSVOA_V
 ClientSampled :
 VICV42

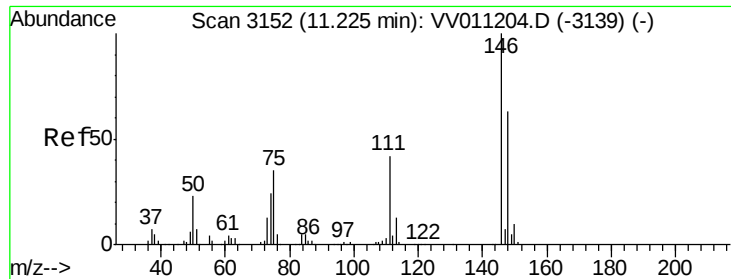
Tgt Ion: 75 Resp: 45290
 Ion Ratio Lower Upper
 75 100
 77 32.0 26.7 40.1



#61
 Bromoform
 Concen: 5.066 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. 0.00 min
 Lab File: VV011207.D
 Acq: 04 Jun 2019 15:25

Tgt Ion: 173 Resp: 28096
 Ion Ratio Lower Upper
 173 100
 175 45.8 37.0 55.4
 254 8.5 6.9 10.3





#62

1,3-Dichlorobenzene

Concen: 4.896 ug/L

RT: 11.23 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV011207.D

Acq: 04 Jun 2019 15:25

Instrument :

MSVOA_V

ClientSampleId :

VICV42

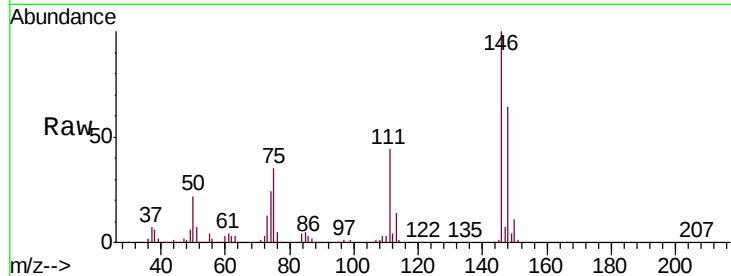
Tgt Ion:146 Resp: 149469

Ion Ratio Lower Upper

146 100

111 44.2 29.0 53.9

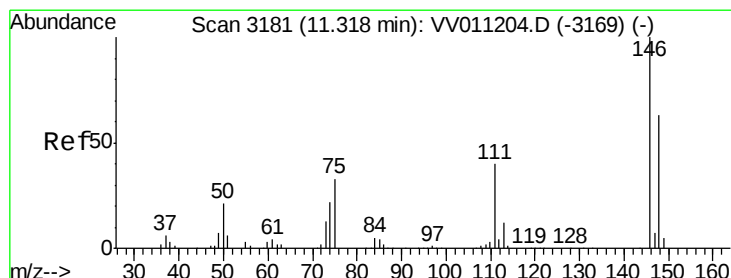
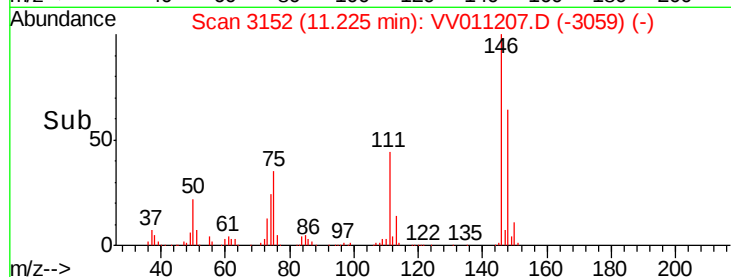
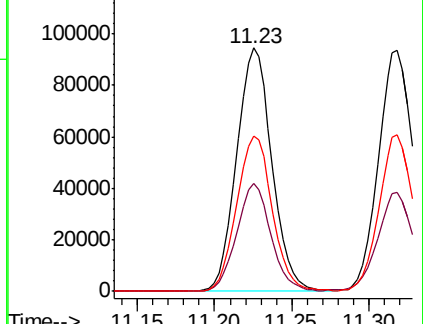
148 63.5 44.0 81.8



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: 5.069 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. 0.00 min

Lab File: VV011207.D

Acq: 04 Jun 2019 15:25

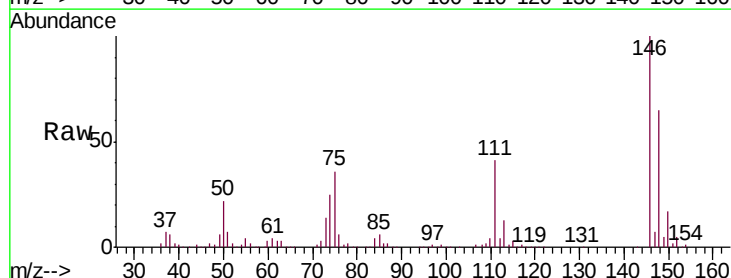
Tgt Ion:146 Resp: 150216

Ion Ratio Lower Upper

146 100

111 40.8 28.3 52.5

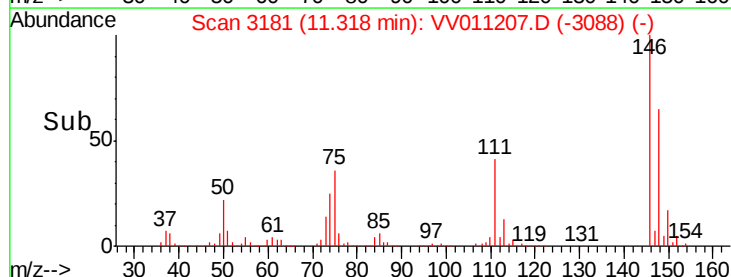
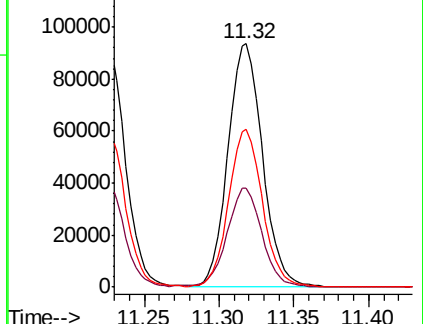
148 65.1 44.6 82.8

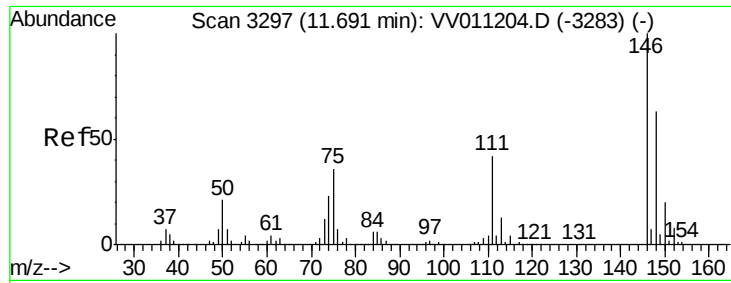


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.025 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. -0.00 min

Lab File: VV011207.D

Acq: 04 Jun 2019 15:25

Instrument :

MSVOA_V

ClientSampleId :

VICV42

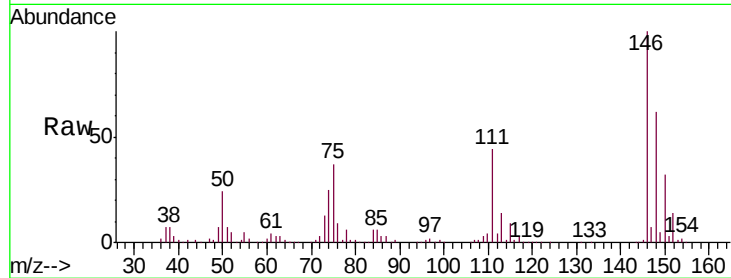
Tgt Ion:146 Resp: 141791

Ion Ratio Lower Upper

146 100

111 43.6 33.9 50.9

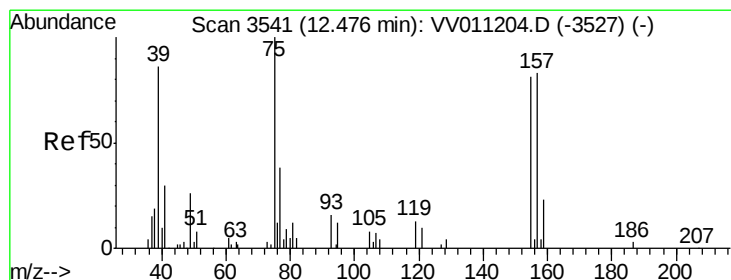
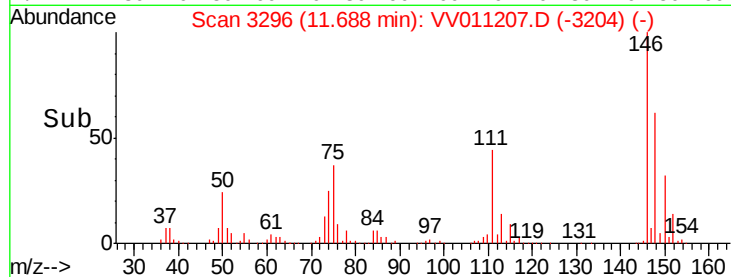
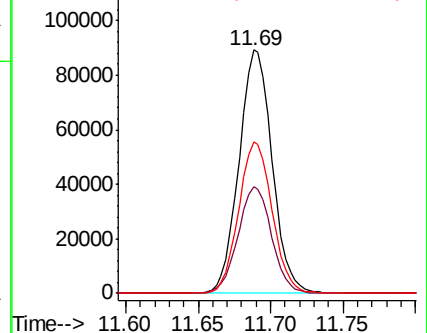
148 62.2 50.3 75.5



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.562 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. 0.00 min

Lab File: VV011207.D

Acq: 04 Jun 2019 15:25

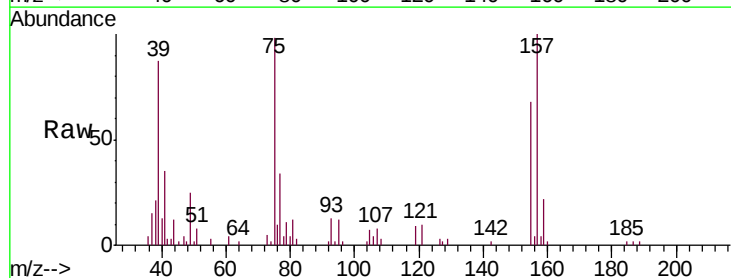
Tgt Ion: 75 Resp: 9224

Ion Ratio Lower Upper

75 100

155 69.0 64.4 96.6

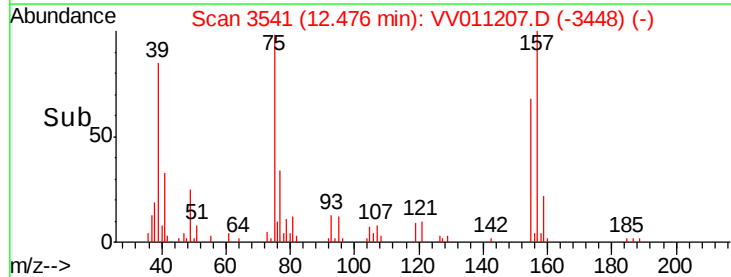
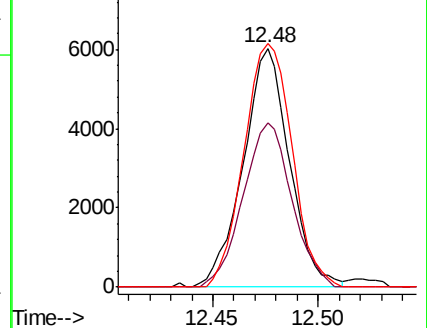
157 102.1 66.7 100.1#

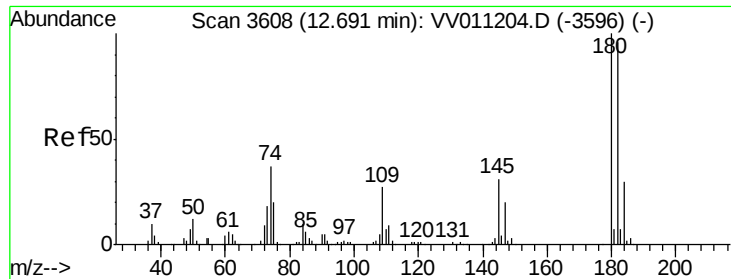


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

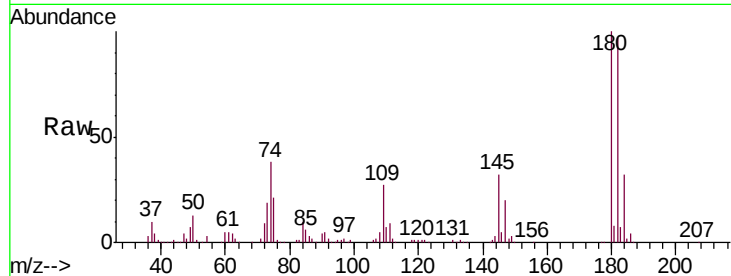




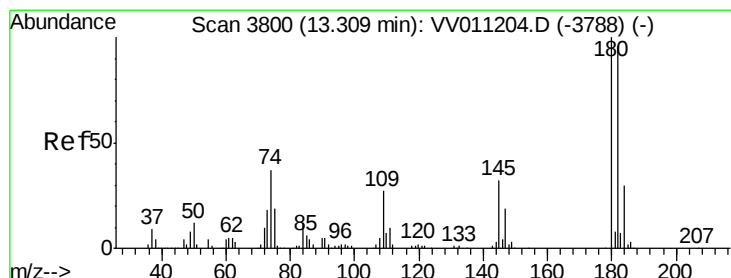
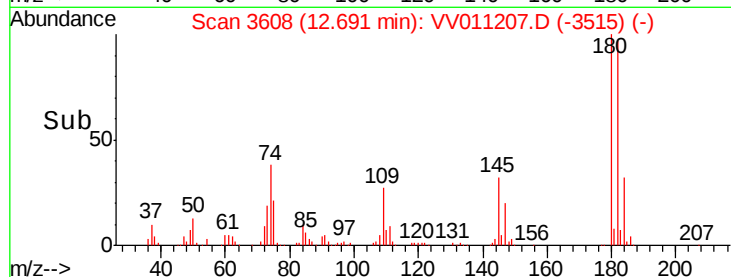
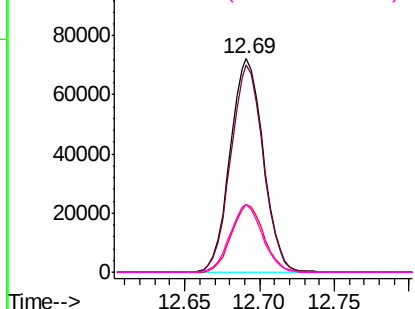
#67
 1,3,5-Trichlorobenzene
 Concen: 5.073 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV011207.D
 Acq: 04 Jun 2019 15:25

Instrument :
 MSVOA_V
 ClientSampled :
 VICV42

Tgt Ion:180 Resp: 111406
 Ion Ratio Lower Upper
 180 100
 182 95.2 76.7 115.1
 184 30.9 23.8 35.8
 145 30.9 24.2 36.2

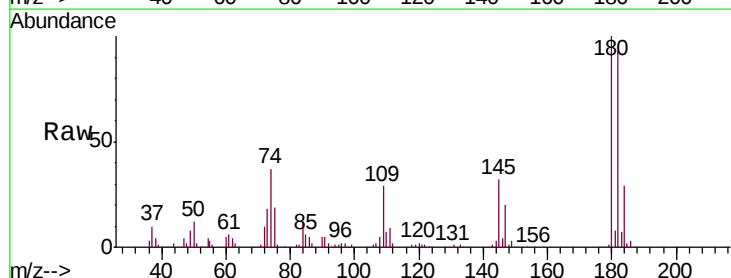


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

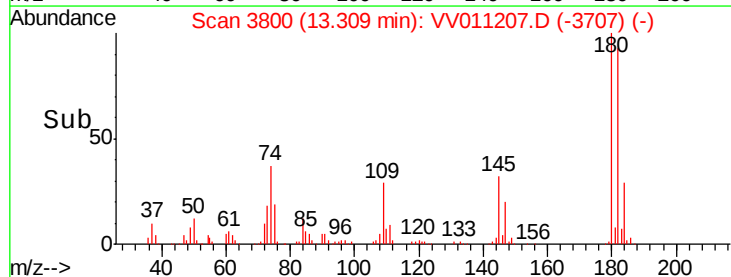
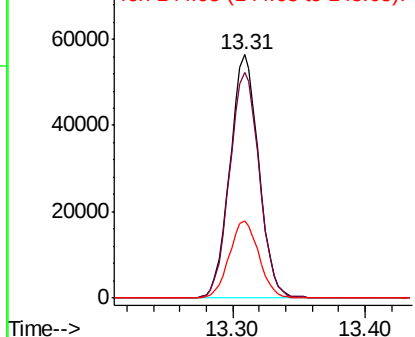


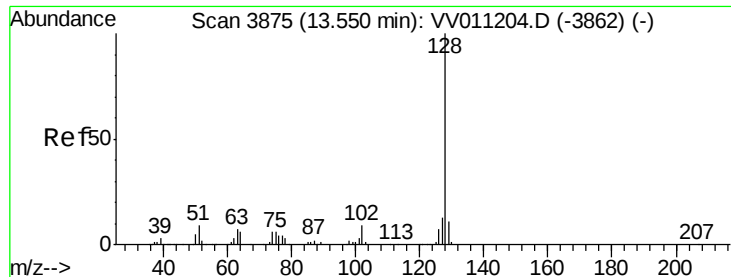
#68
 1,2,4-trichlorobenzene
 Concen: 5.119 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV011207.D
 Acq: 04 Jun 2019 15:25

Tgt Ion:180 Resp: 85347
 Ion Ratio Lower Upper
 180 100
 182 95.1 78.8 118.2
 145 32.4 26.3 39.5



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 5.401 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV011207.D

Acq: 04 Jun 2019 15:25

Instrument :

MSVOA_V

ClientSampleId :

VICV42

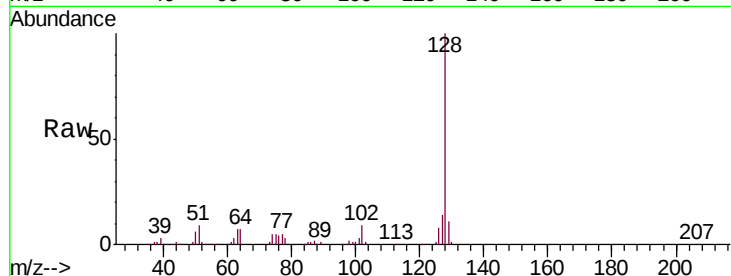
Tgt Ion:128 Resp: 147412

Ion Ratio Lower Upper

128 100

129 10.8 8.9 13.3

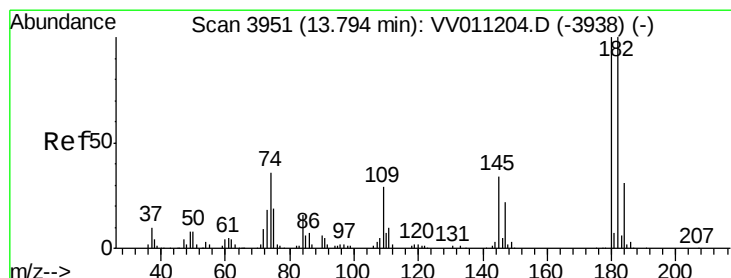
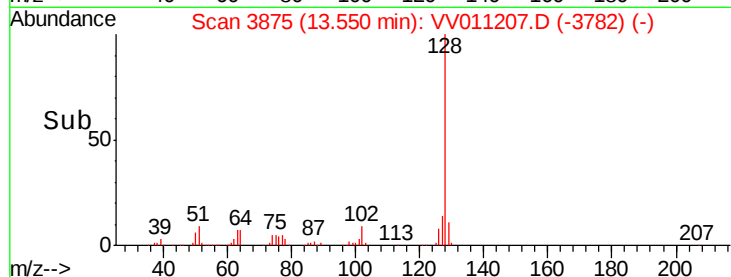
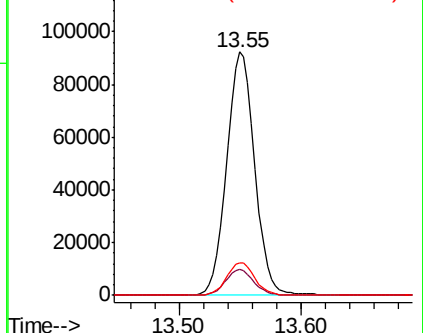
127 13.5 10.5 15.7



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: 5.301 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VV011207.D

Acq: 04 Jun 2019 15:25

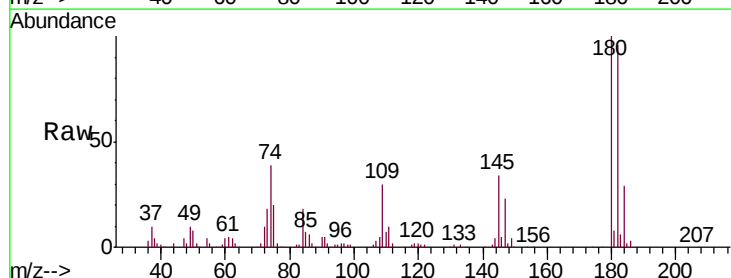
Tgt Ion:180 Resp: 79255

Ion Ratio Lower Upper

180 100

182 93.3 78.6 117.8

145 33.4 26.9 40.3



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

