

Data File : VV011906.D
Acq On : 17 Jul 2019 12:22
Operator : SY/MD
Sample : VSTDICV005
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VICV35

Quant Time: Jul 18 02:13:04 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jul 18 02:08:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	179577	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	171646	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	83684	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	62661	4.75	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.00%
7) Chloroethane-d5	1.58	69	49697	4.55	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.00%
11) 1,1-Dichloroethene-d2	2.13	63	93911	4.35	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.00%
20) 2-Butanone-d5	3.96	46	164547	49.40	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.80%
24) Chloroform-d	4.40	84	125452	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.00%
26) 1,2-Dichloroethane-d4	5.08	65	65263	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.20%
32) Benzene-d6	5.10	84	247312	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.00%
36) 1,2-Dichloropropane-d6	6.12	67	75054	4.90	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.00%
41) Toluene-d8	7.36	98	231306	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.40%
43) trans-1,3-Dichloropropene-	7.66	79	27799	4.91	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.20%
46) 2-Hexanone-d5	8.14	63	120769	52.99	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.98%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	47913	4.99	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	81419	4.87	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	101052	5.495	ug/L 100
3) Chloromethane	1.25	50	94022	5.275	ug/L 99
5) Vinyl chloride	1.32	62	92462	5.393	ug/L 100
6) Bromomethane	1.54	94	51973	5.226	ug/L 100
8) Chloroethane	1.60	64	46789	4.799	ug/L 96
9) Trichlorofluoromethane	1.77	101	115690	5.366	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	50229	4.823	ug/L 95
12) 1,1-Dichloroethene	2.14	96	45838	4.789	ug/L 97
13) Acetone	2.21	43	79506	47.030	ug/L 97
14) Carbon disulfide	2.32	76	133767	4.930	ug/L 100
15) Methyl Acetate	2.47	43	19627	5.460	ug/L 98
16) Methylene chloride	2.53	84	48692	4.853	ug/L 97
17) Methyl tert-butyl Ether	2.81	73	159273	5.501	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	74572	5.542	ug/L 98
19) 1,1-Dichloroethane	3.23	63	136301	5.372	ug/L 99
21) 2-Butanone	4.04	43	187288	56.504	ug/L 96
22) cis-1,2-Dichloroethene	3.96	96	76524	5.524	ug/L 98

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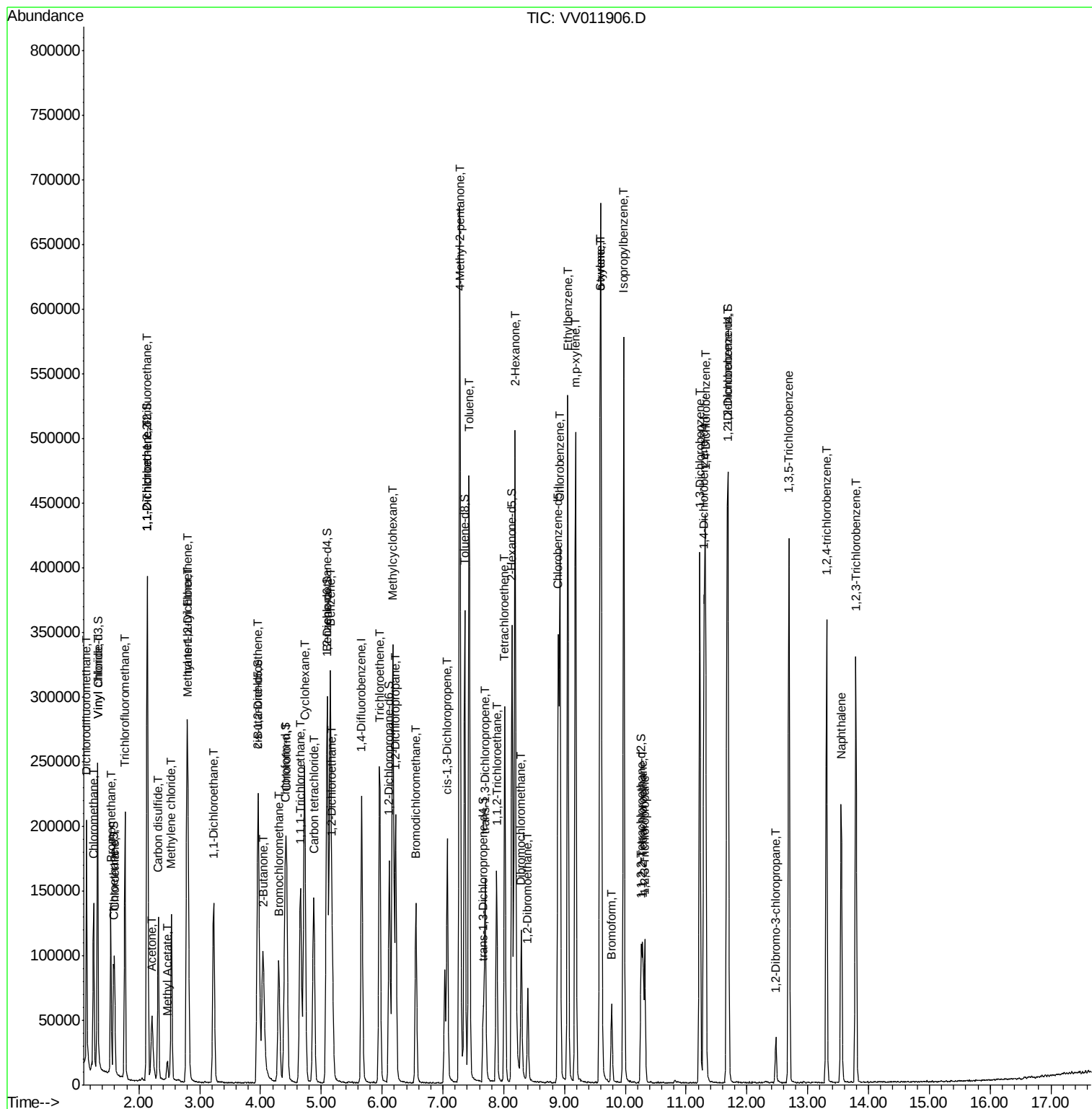
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.31	128	30598	5.399	ug/L	87
25) Chloroform	4.43	83	141823	5.183	ug/L	96
27) 1,2-Dichloroethane	5.18	62	87915	5.454	ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	116907	5.542	ug/L	99
30) Cyclohexane	4.72	56	127792	5.689	ug/L	98
31) Carbon tetrachloride	4.87	117	103779	5.633	ug/L	98
33) Benzene	5.15	78	299661	5.579	ug/L	100
34) Trichloroethene	5.96	95	82356	5.517	ug/L	99
35) Methylcyclohexane	6.17	83	129546	5.721	ug/L	99
37) 1,2-Dichloropropane	6.22	63	71923	5.486	ug/L	99
38) Bromodichloromethane	6.56	83	88388	5.505	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	102510	5.712	ug/L	98
40) 4-Methyl-2-pentanone	7.28	43	462822	58.749	ug/L	100
42) Toluene	7.43	91	321813	5.710	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	80177	5.620	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	48478	5.470	ug/L	99
47) Tetrachloroethene	8.02	164	61973	5.641	ug/L	98
48) 2-Hexanone	8.19	43	332969	59.044	ug/L	100
49) Dibromochloromethane	8.29	129	53603	5.578	ug/L	99
50) 1,2-Dibromoethane	8.40	107	45071	5.526	ug/L	100
51) Chlorobenzene	8.92	112	199003	5.594	ug/L	98
52) Ethylbenzene	9.05	91	351448	5.673	ug/L	99
53) m,p-xylene	9.18	106	133717	5.795	ug/L	97
54) o-xylene	9.59	106	127449	5.929	ug/L	99
55) Styrene	9.60	104	217053	5.944	ug/L	98
56) Isopropylbenzene	9.97	105	348560	5.905	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	48539	5.742	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	41797	5.375	ug/L	100
61) Bromoform	9.77	173	25519	5.450	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	156028	5.792	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	156871	5.659	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	144434	5.724	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	8238	5.750	ug/L	89
67) 1,3,5-Trichlorobenzene	12.69	180	121658	5.754	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	102089	6.118	ug/L	100
69) Naphthalene	13.55	128	164422	6.416	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	93830	6.237	ug/L	99

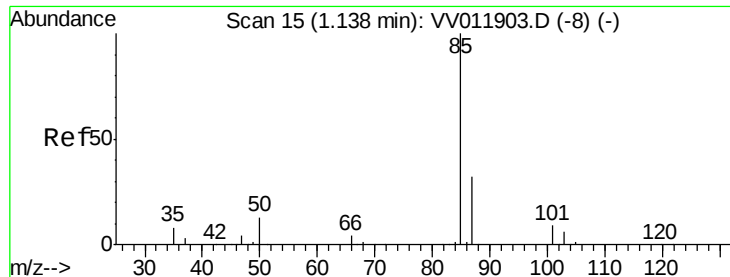
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.495 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV011906.D

Acq: 17 Jul 2019 12:22

Instrument :

MSVOA_V

ClientSampleId :

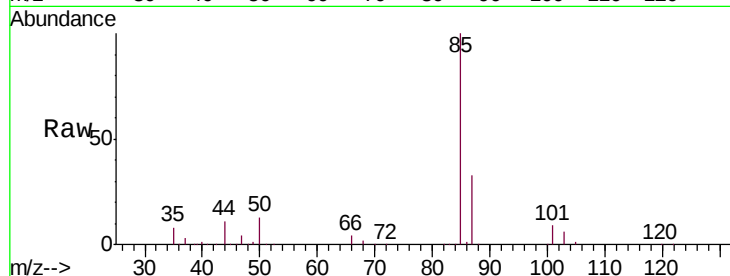
VICV35

Tgt Ion: 85 Resp: 101052

Ion Ratio Lower Upper

85 100

87 32.6 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VV011903.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV011906.D (-1) (-)

1.14

100000

80000

60000

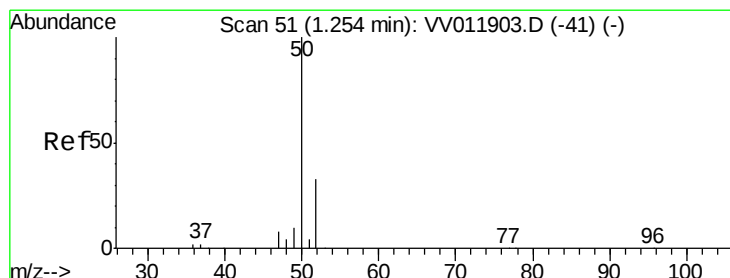
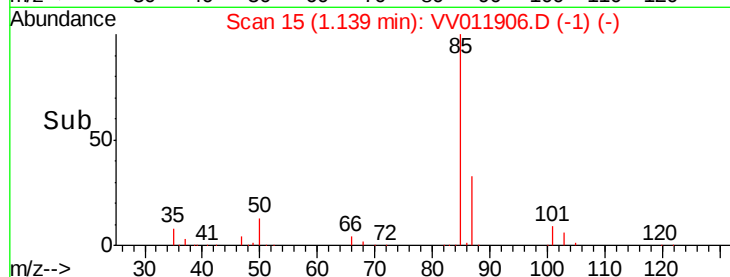
40000

20000

0

1.10 1.15 1.20 1.25

Time-->



#3

Chloromethane

Concen: 5.275 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV011906.D

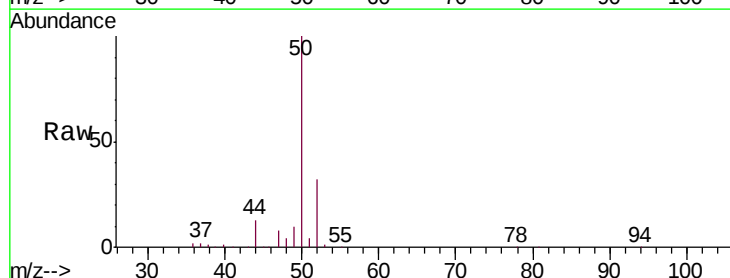
Acq: 17 Jul 2019 12:22

Tgt Ion: 50 Resp: 94022

Ion Ratio Lower Upper

50 100

52 32.5 23.1 42.9



Abundance Ion 50.05 (49.75 to 50.75): VV011903.D (-41) (-)

Ion 52.05 (51.75 to 52.75): VV011906.D (-1) (-)

1.25

80000

60000

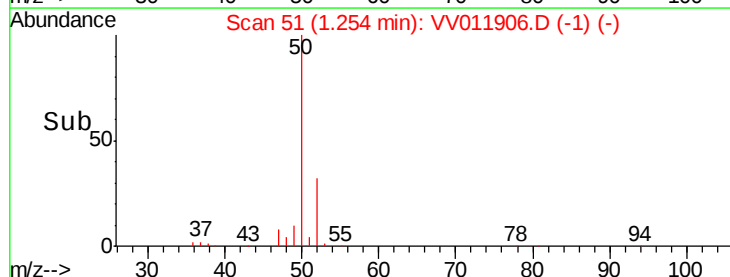
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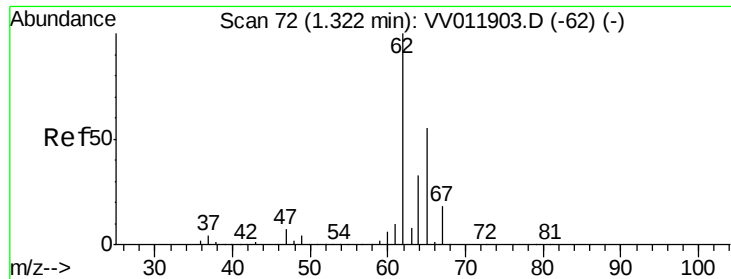
20000

0

1.20 1.25 1.30

Time-->





#5

Vinyl chloride

Concen: 5.393 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV011906.D

Acq: 17 Jul 2019 12:22

Instrument :

MSVOA_V

ClientSampleId :

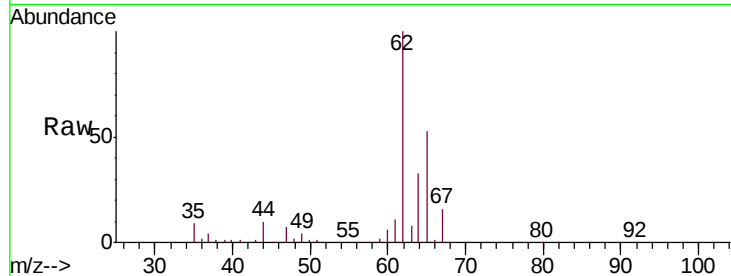
VICV35

Tgt Ion: 62 Resp: 92462

Ion Ratio Lower Upper

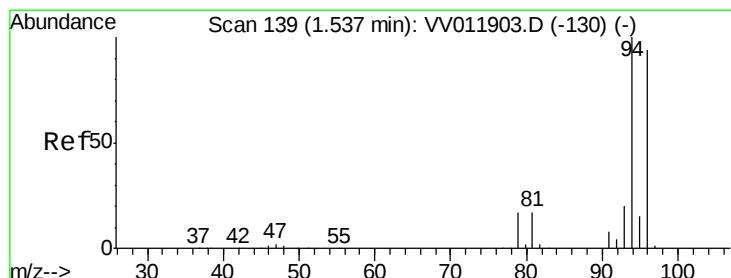
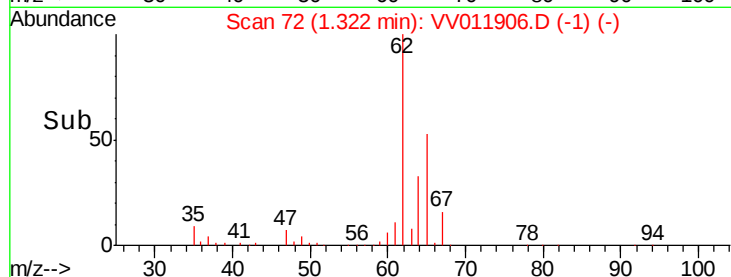
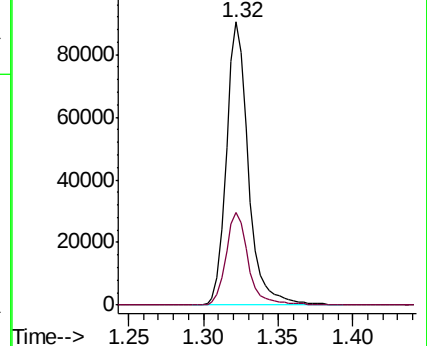
62 100

64 32.7 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 5.226 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV011906.D

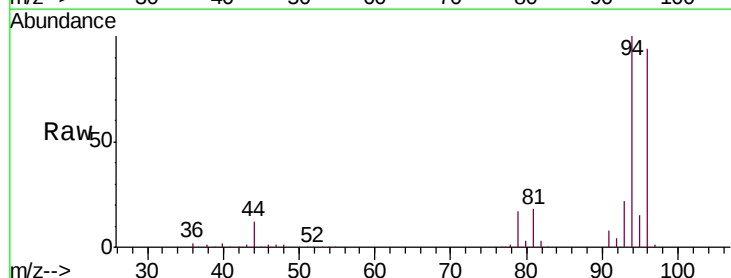
Acq: 17 Jul 2019 12:22

Tgt Ion: 94 Resp: 51973

Ion Ratio Lower Upper

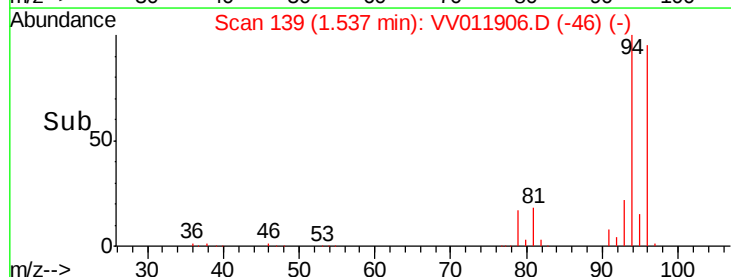
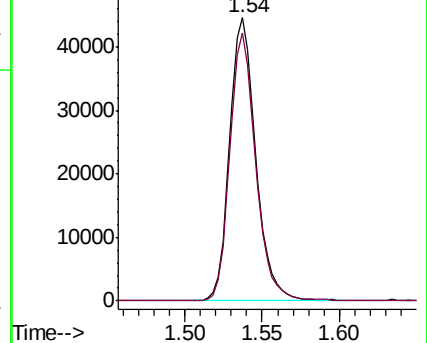
94 100

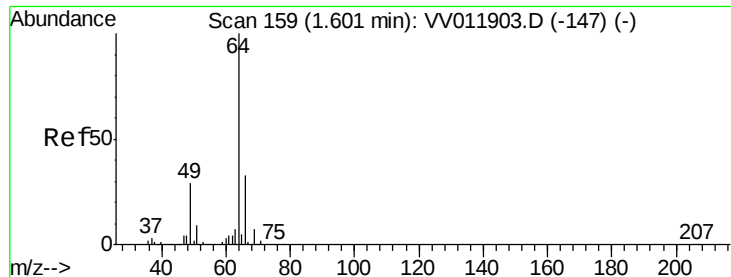
96 94.5 66.1 122.7



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 4.799 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV011906.D

Acq: 17 Jul 2019 12:22

Instrument :

MSVOA_V

ClientSampleId :

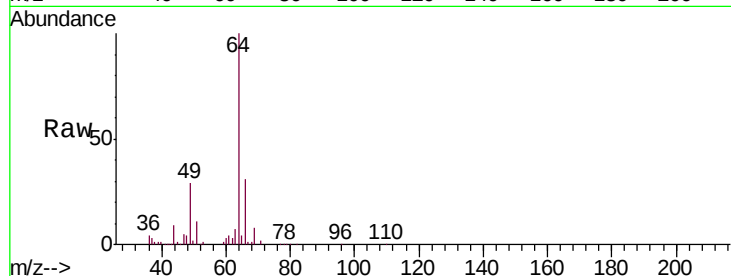
VICV35

Tgt Ion: 64 Resp: 46789

Ion Ratio Lower Upper

64 100

66 30.7 23.2 43.2



Abundance Ion 64.10 (63.80 to 64.80): VV011903.D (-147) (-)

Ion 66.05 (65.75 to 66.75): VV011906.D (-66) (-)

1.60

40000

30000

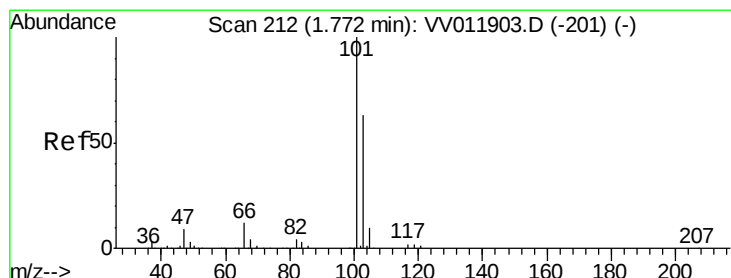
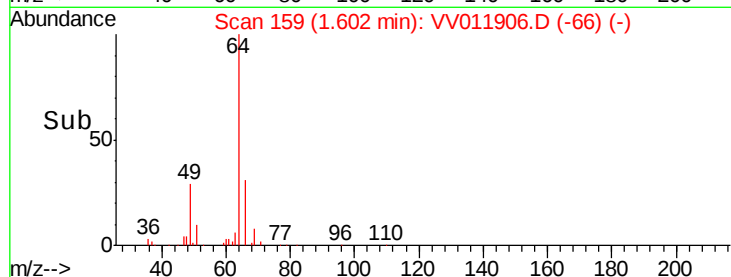
20000

10000

0

1.55 1.60 1.65 1.70

Time-->



#9

Trichlorofluoromethane

Concen: 5.366 ug/L

RT: 1.77 min Scan# 211

Delta R.T. -0.00 min

Lab File: VV011906.D

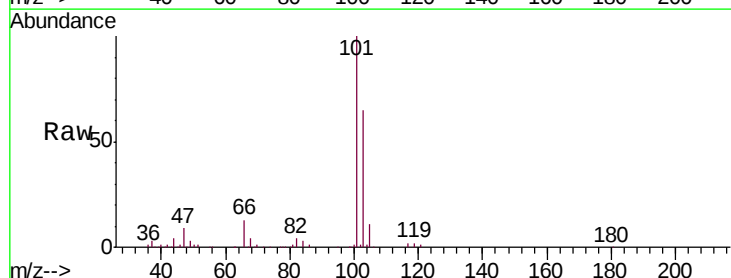
Acq: 17 Jul 2019 12:22

Tgt Ion: 101 Resp: 115690

Ion Ratio Lower Upper

101 100

103 64.9 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): VV011903.D (-201) (-)

Ion 103.00 (102.70 to 103.70): VV011906.D (-119) (-)

1.77

100000

80000

60000

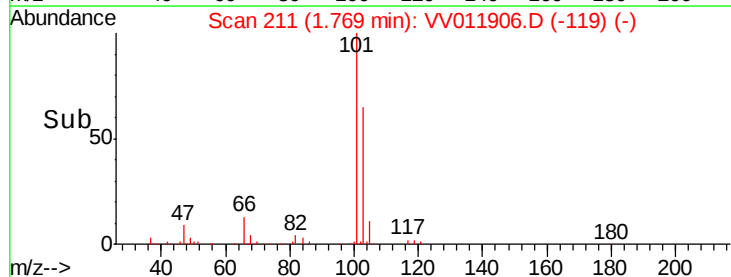
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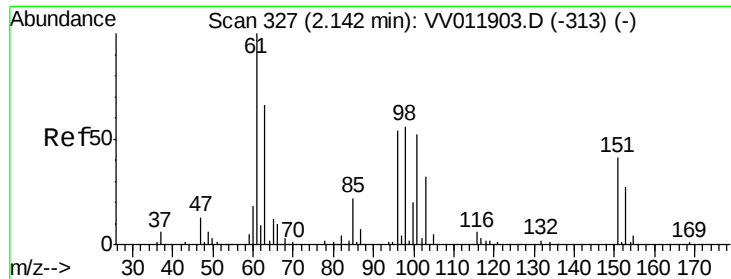
20000

0

1.70 1.75 1.80 1.85

Time-->





#10

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

Concen: 4.823 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV011906.D

Acq: 17 Jul 2019 12:22

Instrument :

MSVOA_V

ClientSampled :

VICV35

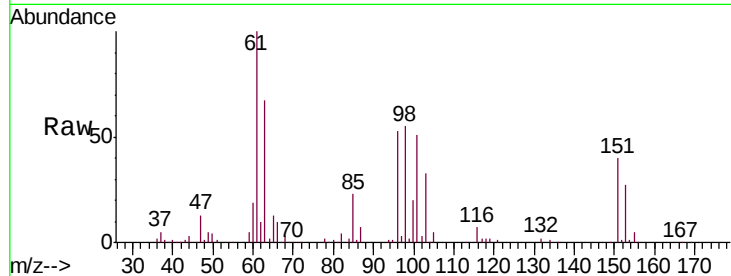
Tgt Ion:101 Resp: 50229

Ion Ratio Lower Upper

101 100

85 45.5 34.7 52.1

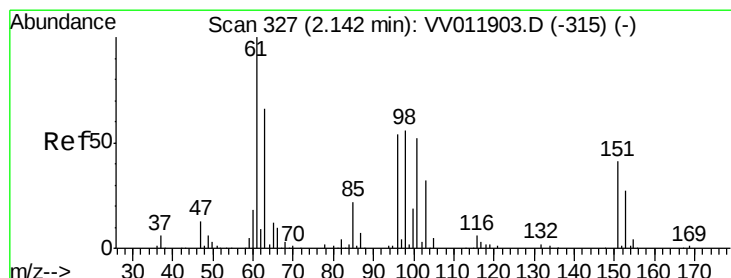
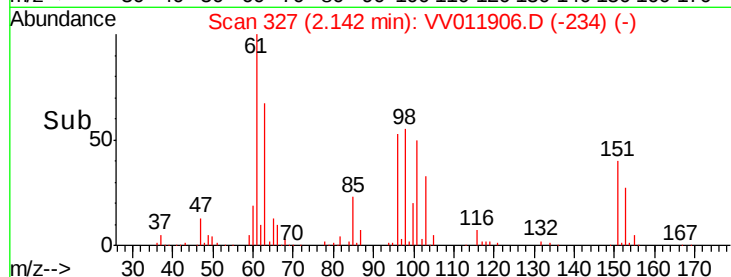
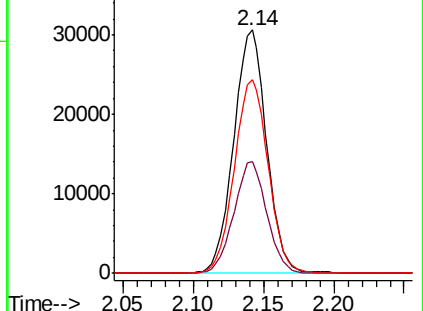
151 81.4 61.5 92.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.789 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV011906.D

Acq: 17 Jul 2019 12:22

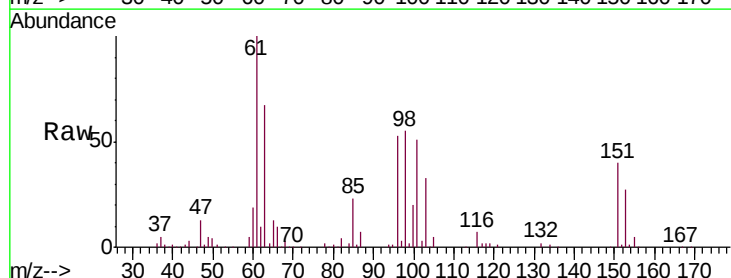
Tgt Ion: 96 Resp: 45838

Ion Ratio Lower Upper

96 100

61 188.3 128.9 239.3

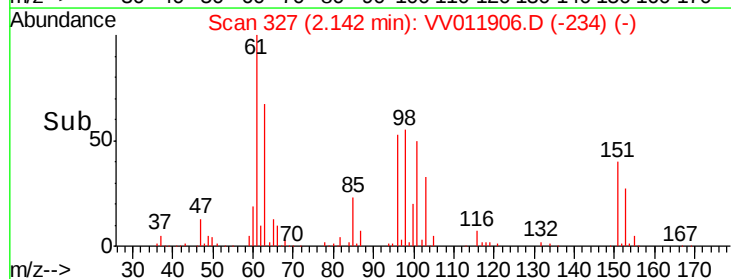
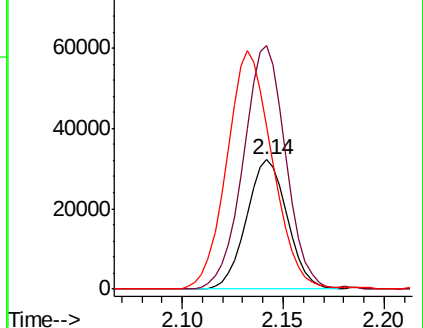
63 126.2 85.5 158.9

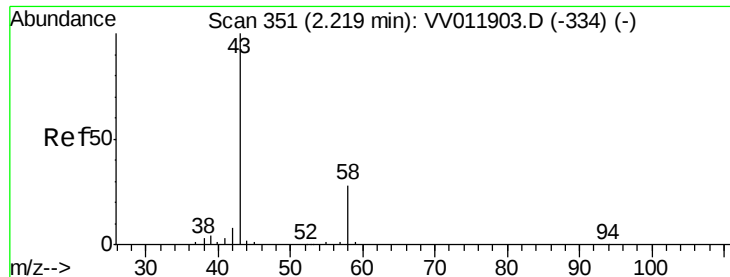


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 47.030 ug/L

RT: 2.21 min Scan# 349

Delta R.T. -0.01 min

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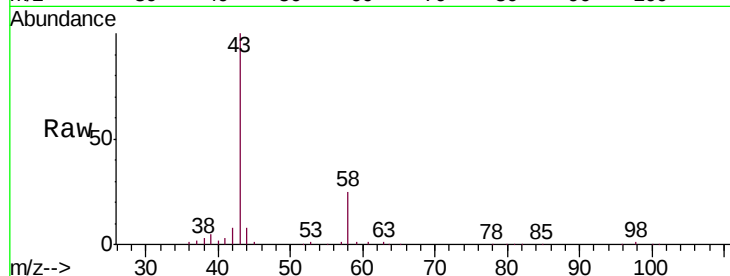
VICV35

Tgt Ion: 43 Resp: 79506

Ion Ratio Lower Upper

43 100

58 26.4 0.0 55.6



Abundance Ion 43.05 (42.75 to 43.75): VV011903.D (-334) (-)

Ion 58.05 (57.75 to 58.75): VV011903.D (-334) (-)

2.21

30000

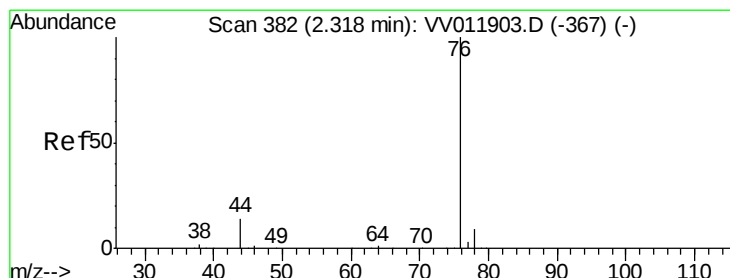
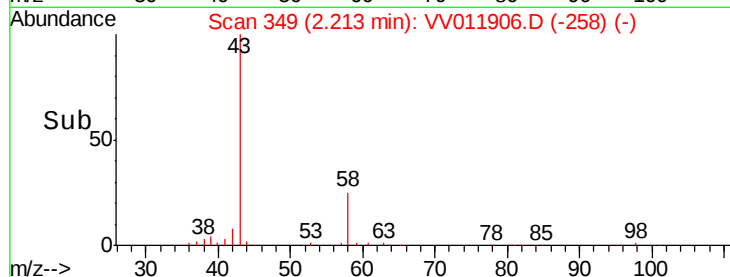
20000

10000

0

Time-->

2.20 2.30



#14

Carbon disulfide

Concen: 4.930 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV011906.D

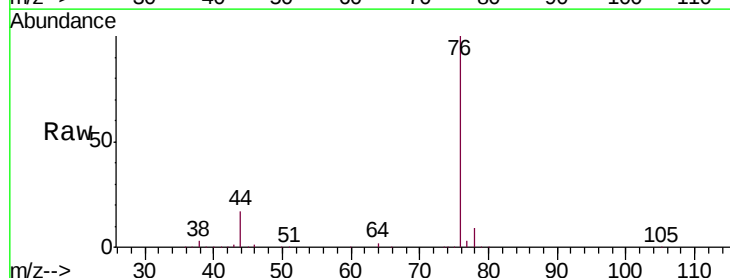
Acq: 17 Jul 2019 12:22

Tgt Ion: 76 Resp: 133767

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VV011903.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VV011903.D (-367) (-)

2.32

100000

80000

60000

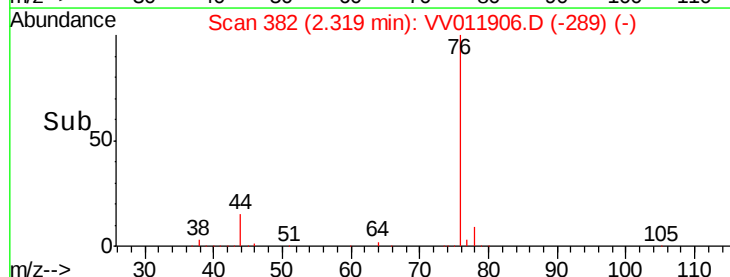
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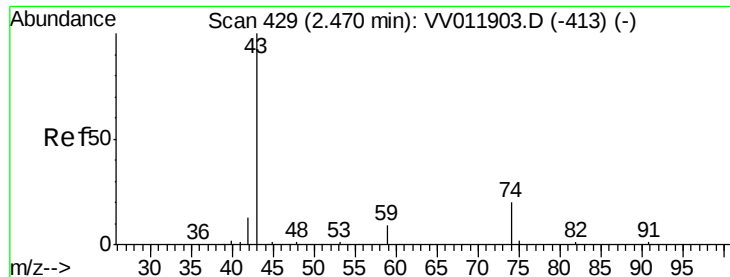
20000

0

Time-->

2.25 2.30 2.35 2.40





#15

Methyl Acetate

Concen: 5.460 ug/L

RT: 2.47 min Scan# 429

Delta R.T. 0.00 min

Lab File: VV011906.D

Acq: 17 Jul 2019 12:22

Instrument :

MSVOA_V

ClientSampleId :

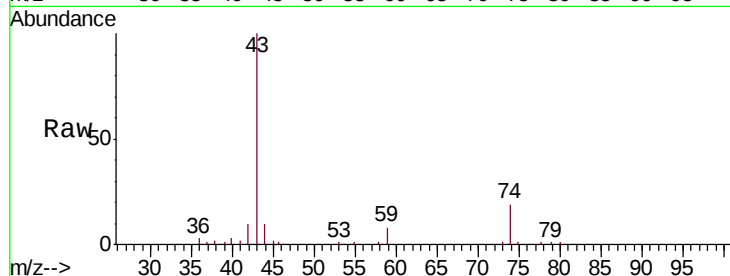
VICV35

Tgt Ion: 43 Resp: 19627

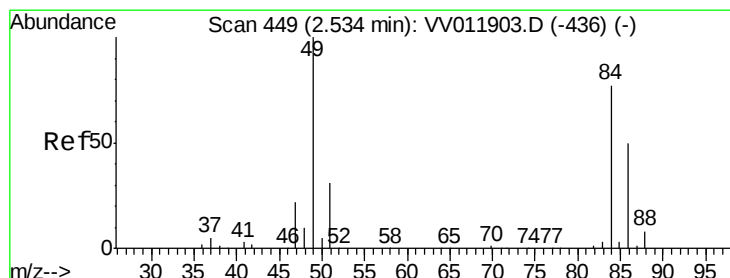
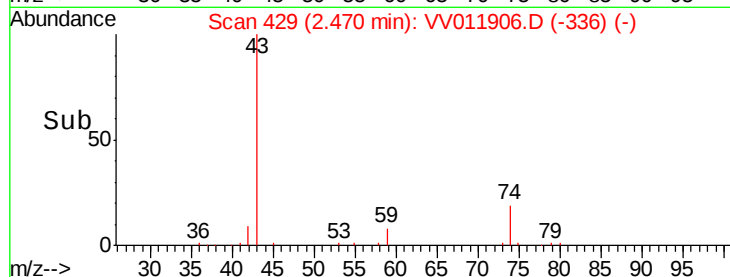
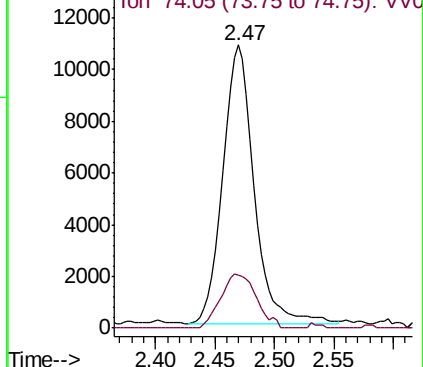
Ion Ratio Lower Upper

43 100

74 22.2 18.3 27.5



Abundance Ion 43.05 (42.75 to 43.75): VV011906.D (-336) (-)



#16

Methylene chloride

Concen: 4.853 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV011906.D

Acq: 17 Jul 2019 12:22

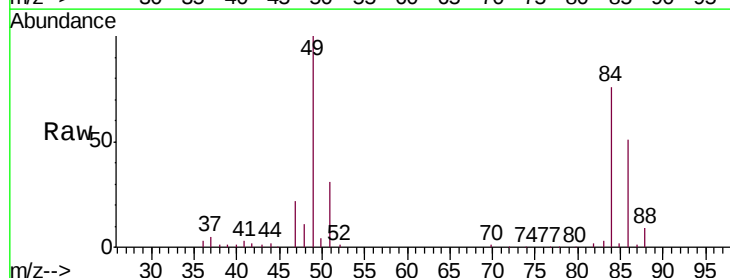
Tgt Ion: 84 Resp: 48692

Ion Ratio Lower Upper

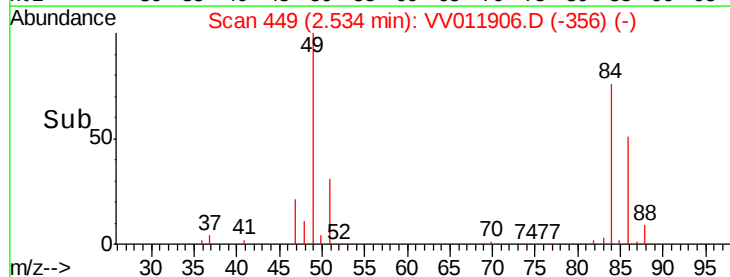
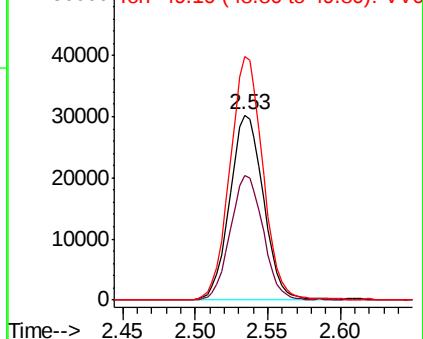
84 100

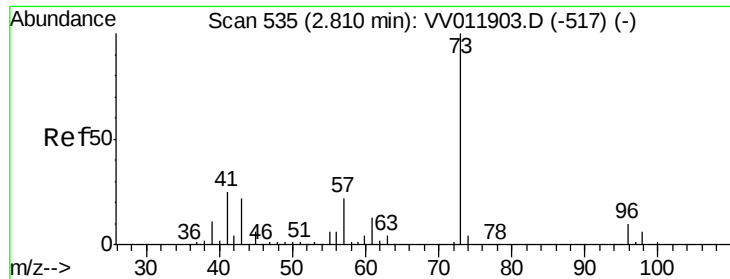
86 67.2 44.8 83.2

49 131.8 90.4 168.0



Abundance Ion 84.05 (83.75 to 84.75): VV011906.D (-356) (-)

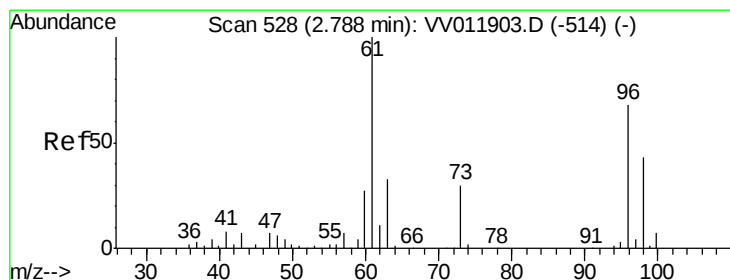
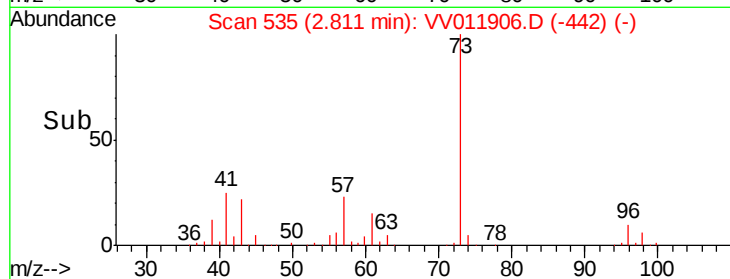
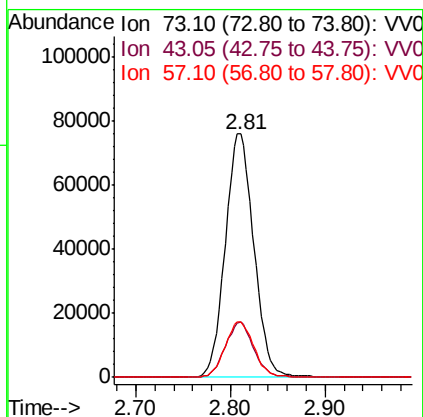
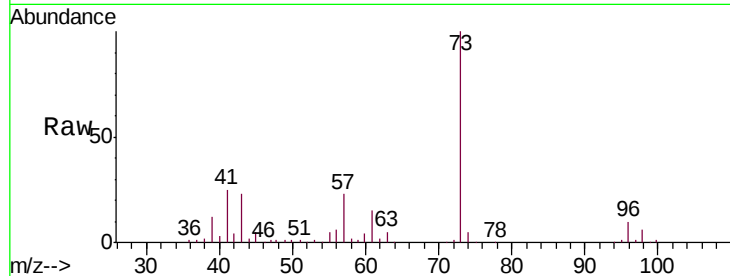




#17
Methyl tert-butyl Ether
Concen: 5.501 ug/L
RT: 2.81 min Scan# 535
Delta R.T. 0.00 min
Lab File: VV011906.D
Acq: 17 Jul 2019 12:22

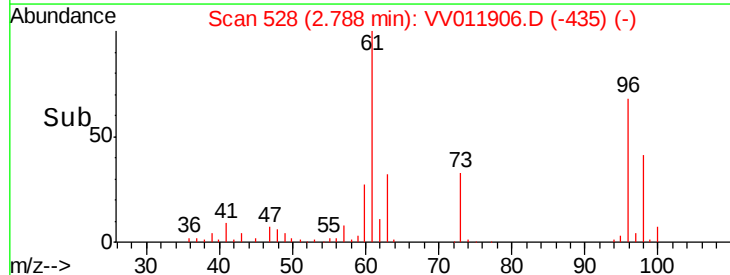
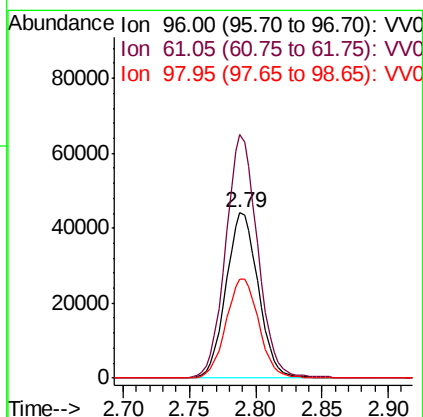
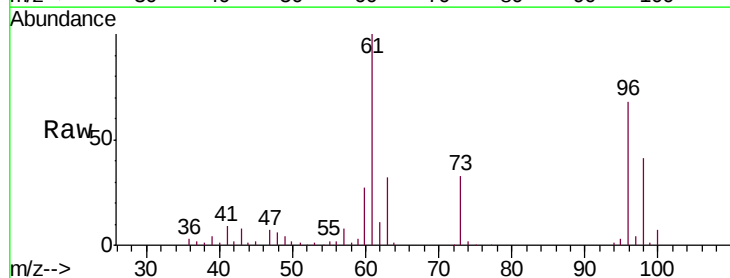
Instrument :
MSVOA_V
ClientSampleId :
VICV35

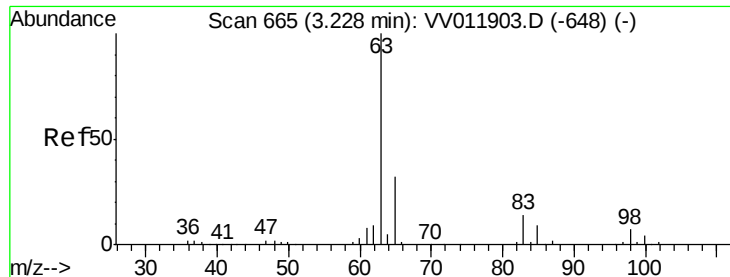
Tgt Ion: 73 Resp: 159273
Ion Ratio Lower Upper
73 100
43 22.1 17.6 26.4
57 23.0 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 5.542 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV011906.D
Acq: 17 Jul 2019 12:22

Tgt Ion: 96 Resp: 74572
Ion Ratio Lower Upper
96 100
61 147.6 102.2 189.8
98 60.3 44.4 82.5

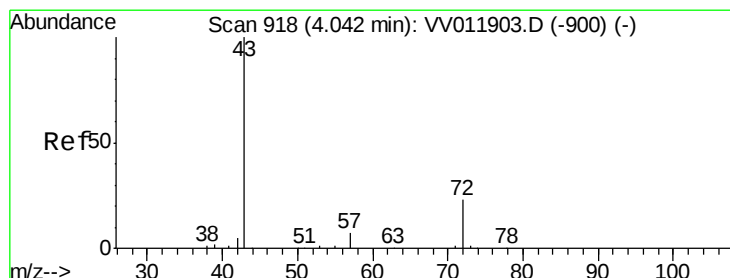
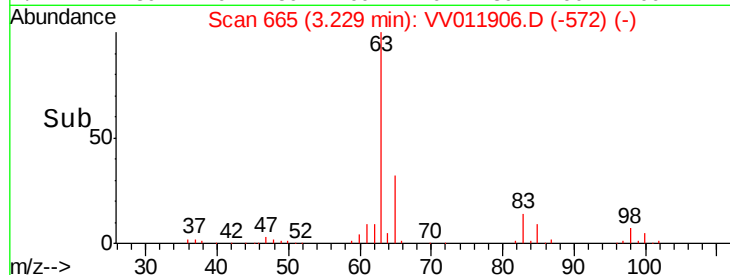
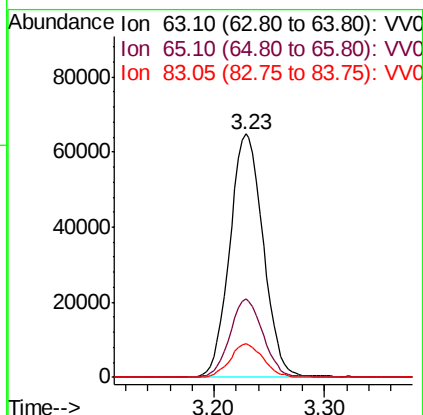
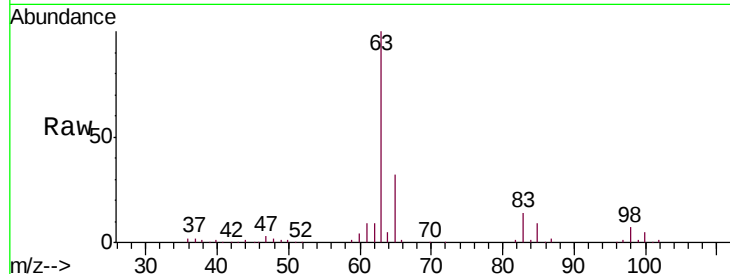




#19
 1,1-Dichloroethane
 Concen: 5.372 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV011906.D
 Acq: 17 Jul 2019 12:22

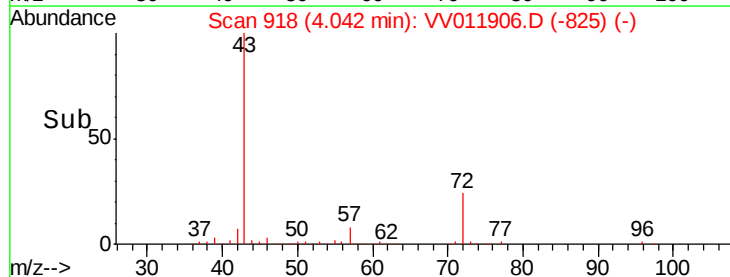
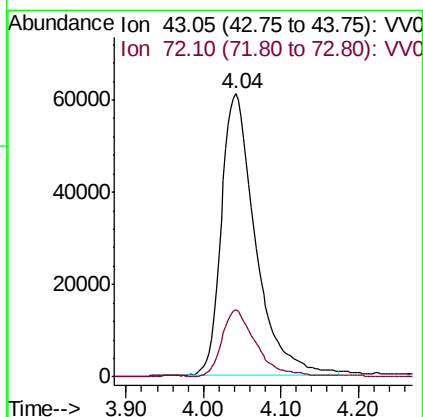
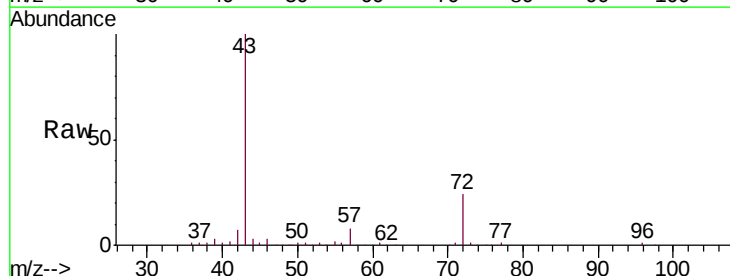
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV35

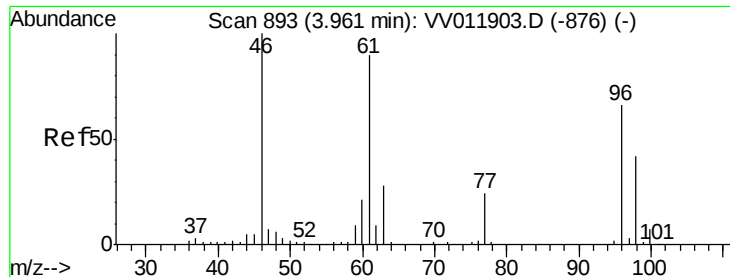
Tgt Ion: 63 Resp: 136301
 Ion Ratio Lower Upper
 63 100
 65 32.1 22.7 42.3
 83 13.9 9.4 17.6



#21
 2-Butanone
 Concen: 56.504 ug/L
 RT: 4.04 min Scan# 918
 Delta R.T. 0.00 min
 Lab File: VV011906.D
 Acq: 17 Jul 2019 12:22

Tgt Ion: 43 Resp: 187288
 Ion Ratio Lower Upper
 43 100
 72 24.3 11.2 33.6



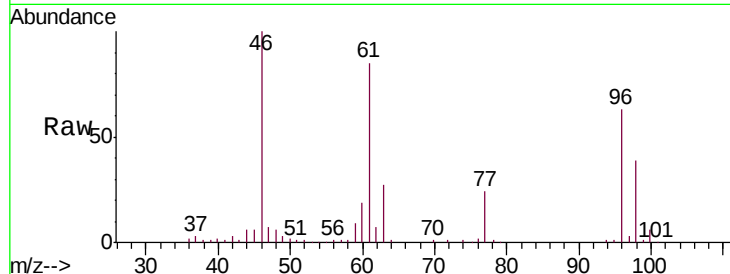


#22

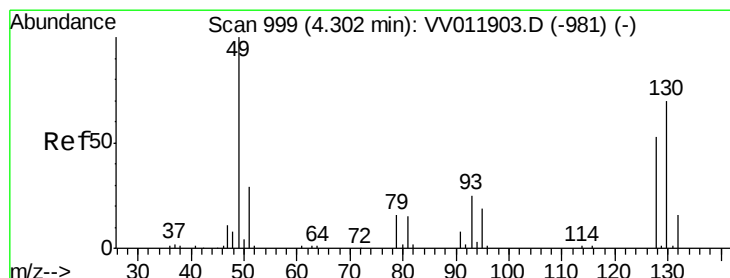
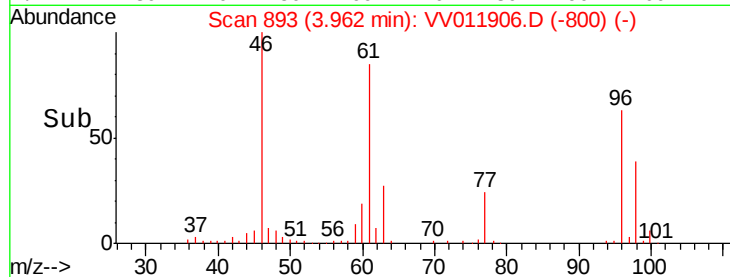
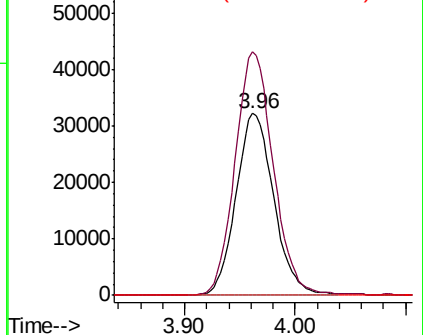
cis-1,2-Dichloroethene
Concen: 5.524 ug/L
RT: 3.96 min Scan# 893
Delta R.T. 0.00 min
Lab File: VV011906.D
Acq: 17 Jul 2019 12:22

Instrument :
MSVOA_V
ClientSampleId :
VICV35

Tgt Ion: 96 Resp: 76524
Ion Ratio Lower Upper
96 100
61 133.7 95.2 176.8
68 0.0 0.0 0.0



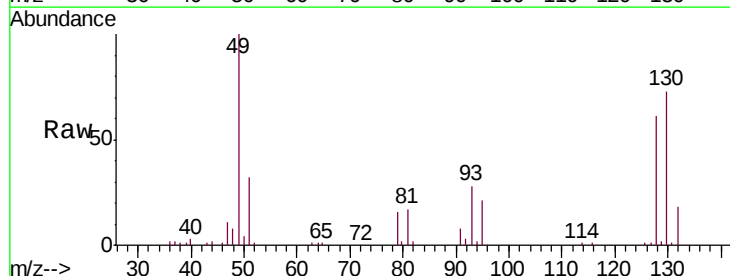
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



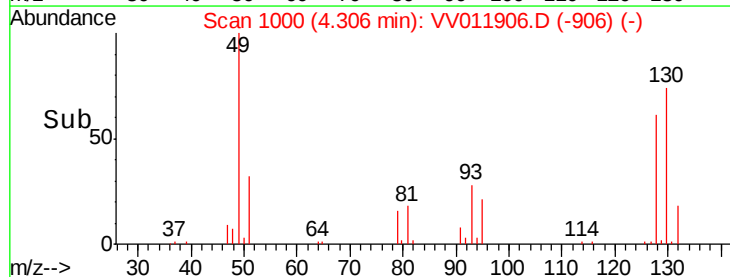
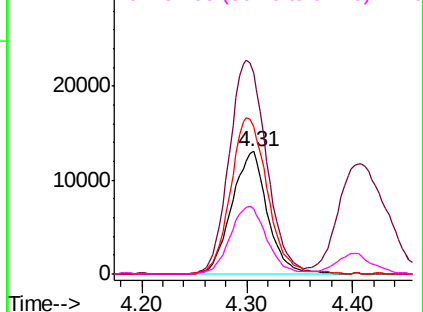
#23

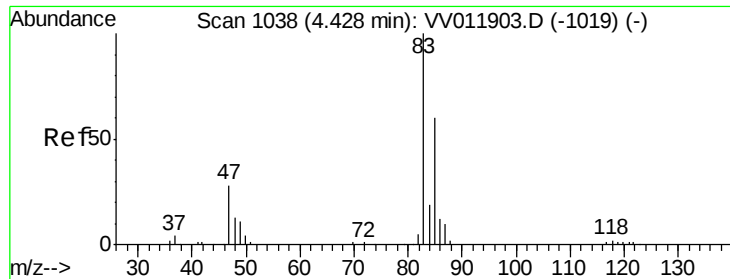
Bromochloromethane
Concen: 5.399 ug/L
RT: 4.31 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VV011906.D
Acq: 17 Jul 2019 12:22

Tgt Ion: 128 Resp: 30598
Ion Ratio Lower Upper
128 100
49 164.1 132.5 246.1
130 120.3 92.1 171.1
51 52.8 44.2 66.2



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

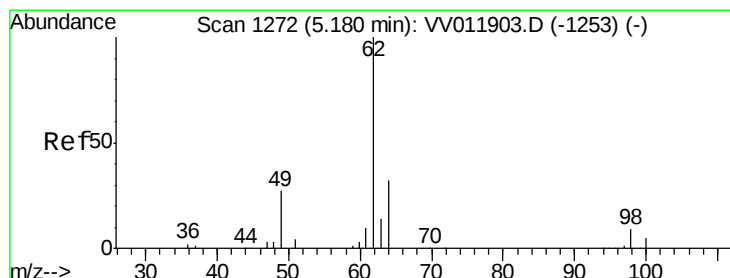
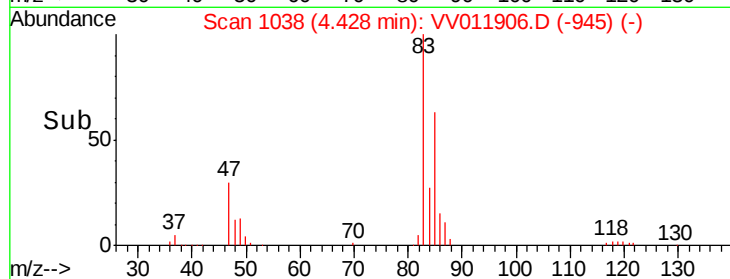
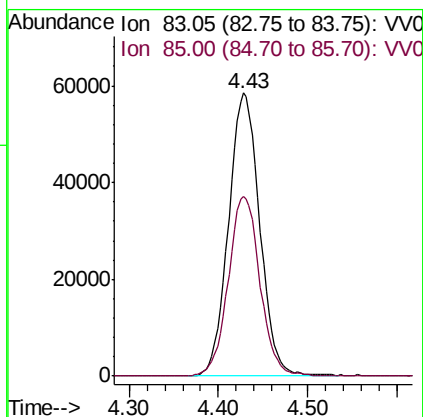
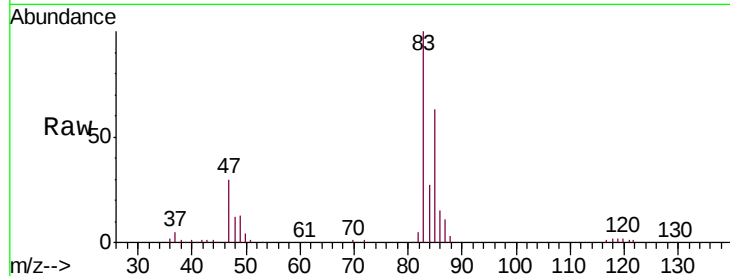




#25
Chloroform
Concen: 5.183 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV011906.D
Acq: 17 Jul 2019 12:22

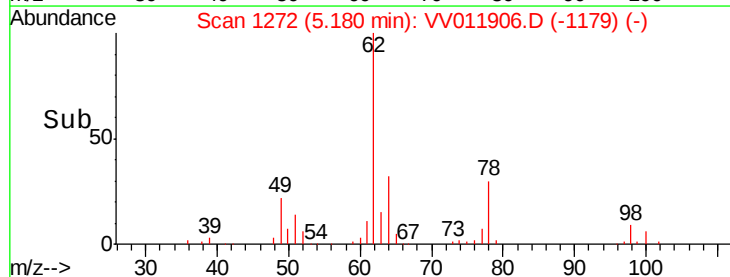
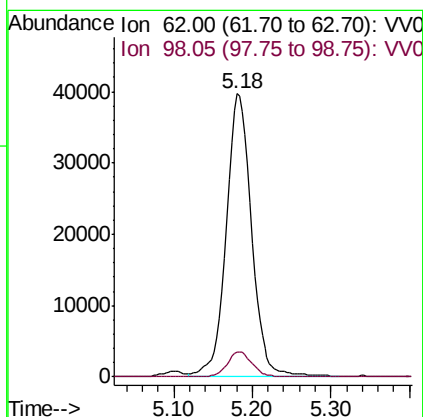
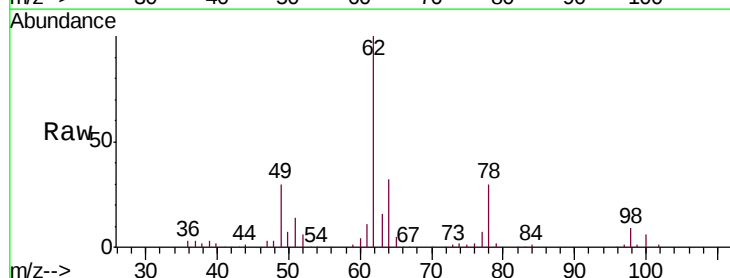
Instrument :
MSVOA_V
ClientSampleId :
VICV35

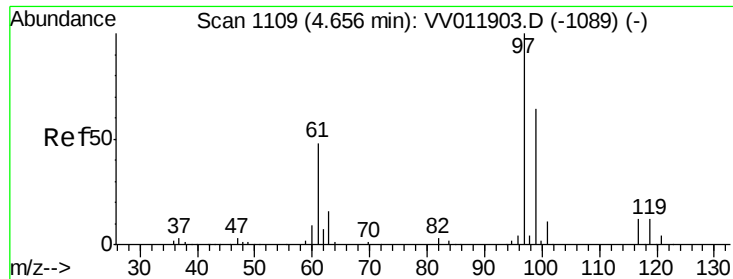
Tgt Ion: 83 Resp: 141823
Ion Ratio Lower Upper
83 100
85 63.4 42.5 78.9



#27
1,2-Dichloroethane
Concen: 5.454 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV011906.D
Acq: 17 Jul 2019 12:22

Tgt Ion: 62 Resp: 87915
Ion Ratio Lower Upper
62 100
98 8.8 7.2 10.8

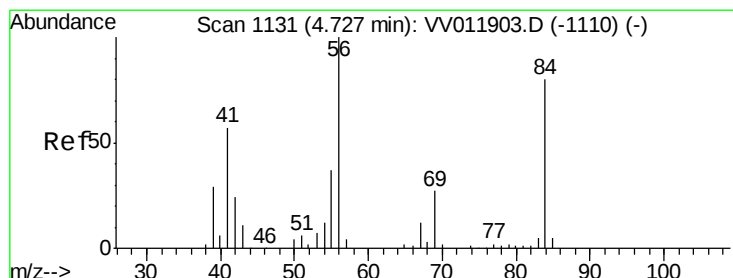
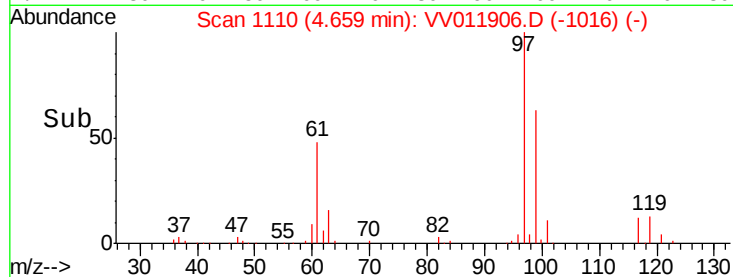
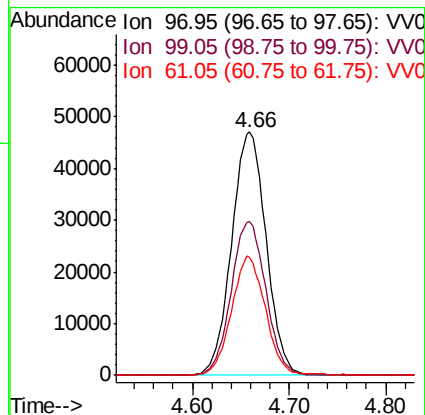
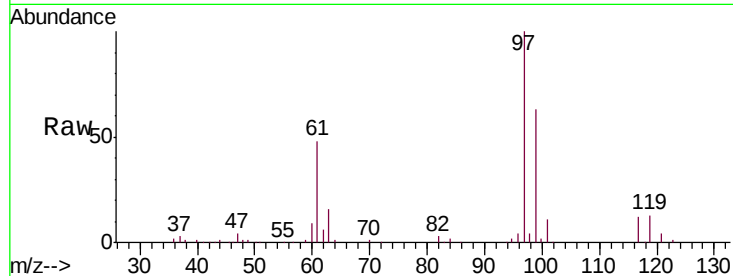




#29
 1,1,1-Trichloroethane
 Concen: 5.542 ug/L
 RT: 4.66 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VV011906.D
 Acq: 17 Jul 2019 12:22

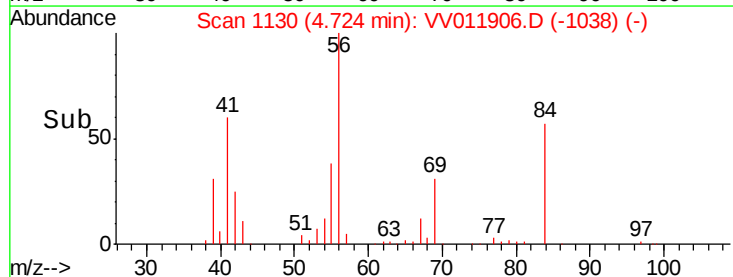
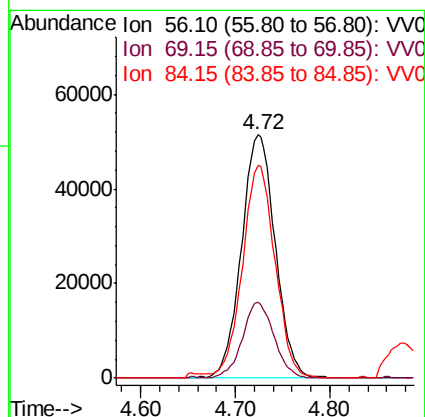
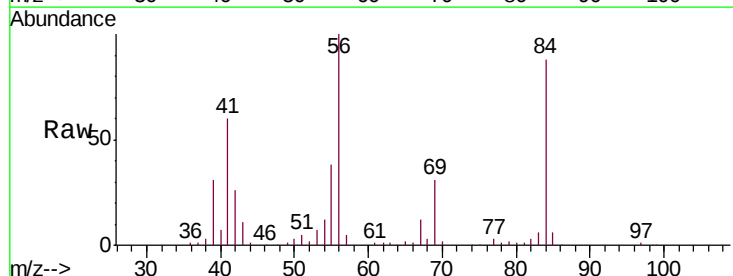
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV35

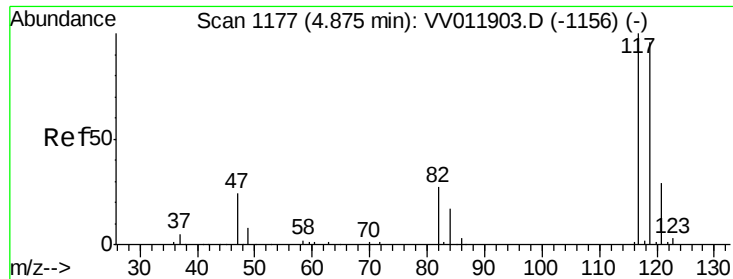
Tgt Ion: 97 Resp: 116907
 Ion Ratio Lower Upper
 97 100
 99 63.2 51.1 76.7
 61 48.0 38.6 57.8



#30
 Cyclohexane
 Concen: 5.689 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. -0.00 min
 Lab File: VV011906.D
 Acq: 17 Jul 2019 12:22

Tgt Ion: 56 Resp: 127792
 Ion Ratio Lower Upper
 56 100
 69 29.2 23.8 35.8
 84 84.6 66.3 99.5





#31

Carbon tetrachloride

Concen: 5.633 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV011906.D

Acq: 17 Jul 2019 12:22

Instrument :

MSVOA_V

ClientSampleId :

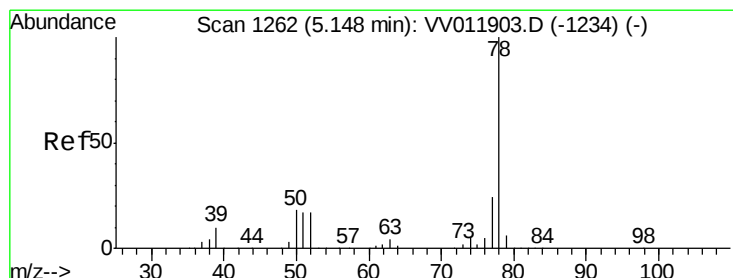
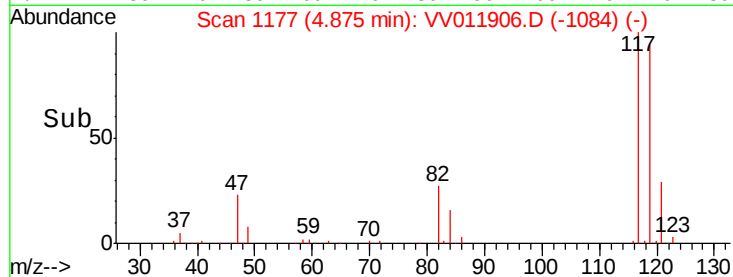
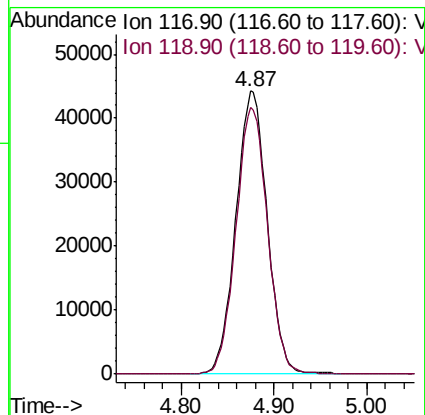
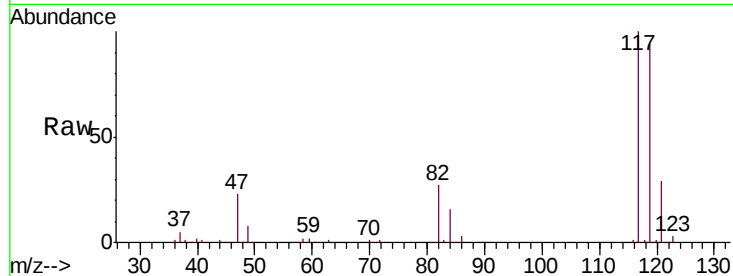
VICV35

Tgt Ion:117 Resp: 103779

Ion Ratio Lower Upper

117 100

119 94.7 77.4 116.2



#33

Benzene

Concen: 5.579 ug/L

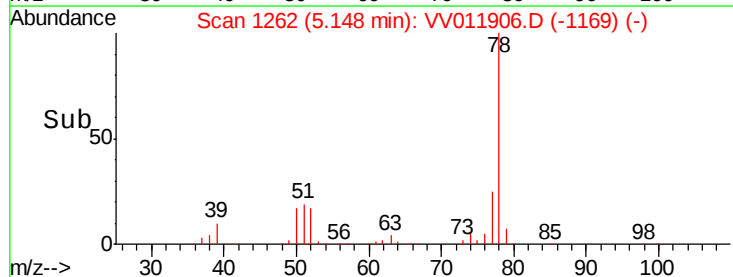
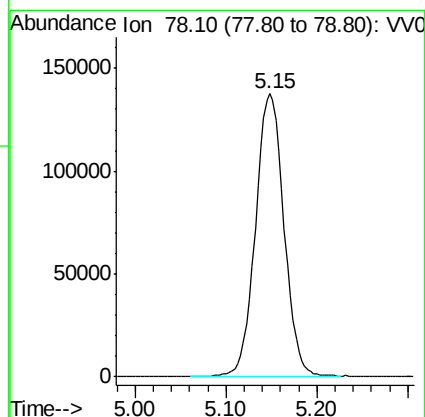
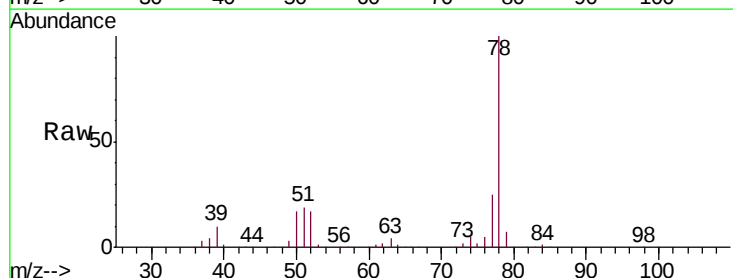
RT: 5.15 min Scan# 1262

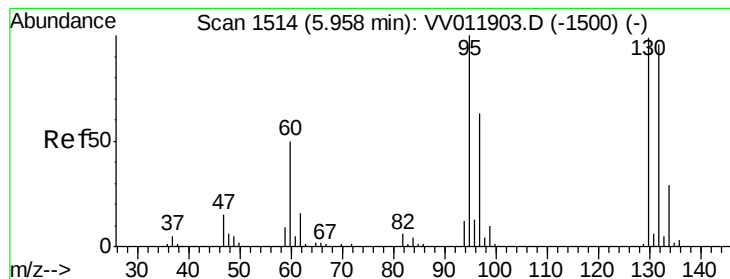
Delta R.T. 0.00 min

Lab File: VV011906.D

Acq: 17 Jul 2019 12:22

Tgt Ion: 78 Resp: 299661





#34

Trichloroethene

Concen: 5.517 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV011906.D

Acq: 17 Jul 2019 12:22

Instrument :

MSVOA_V

ClientSampleId :

VICV35

Tgt Ion: 95 Resp: 82356

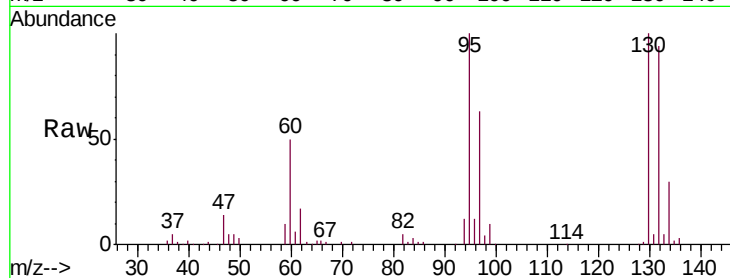
Ion Ratio Lower Upper

95 100

97 63.1 44.0 81.6

132 93.8 67.0 124.4

130 99.7 69.1 128.3

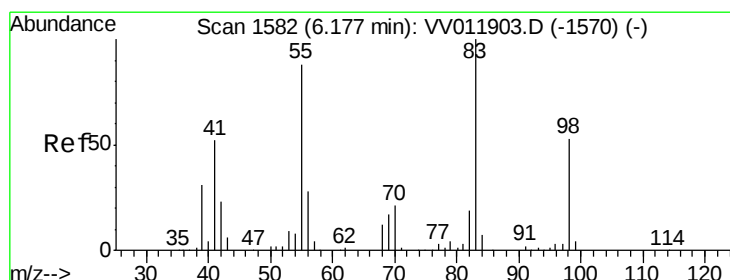
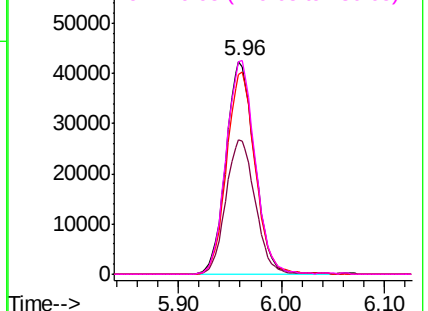
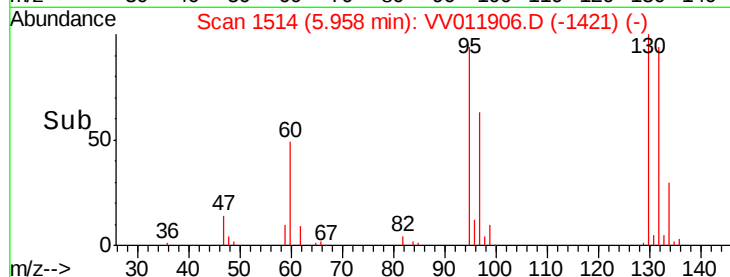


Abundance Ion 95.00 (94.70 to 95.70): VV011906.D (-1421) (-)

Ion 96.95 (96.65 to 97.65): VV011906.D (-1421) (-)

Ion 131.95 (131.65 to 132.65): VV011906.D (-1421) (-)

Ion 129.95 (129.65 to 130.65): VV011906.D (-1421) (-)



#35

Methylcyclohexane

Concen: 5.721 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV011906.D

Acq: 17 Jul 2019 12:22

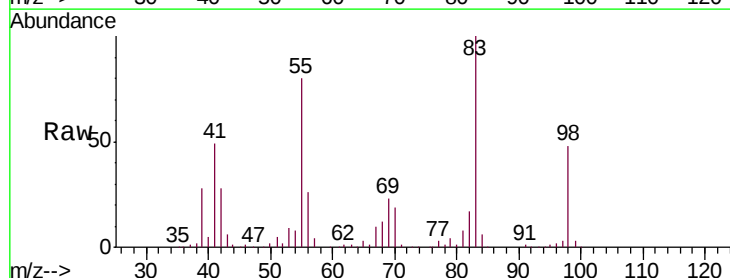
Tgt Ion: 83 Resp: 129546

Ion Ratio Lower Upper

83 100

55 82.0 66.7 100.1

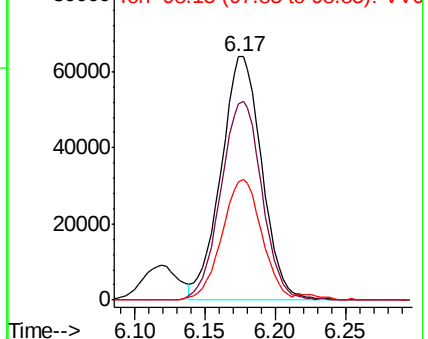
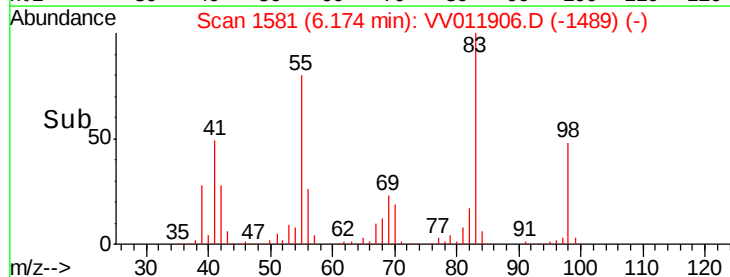
98 48.3 39.0 58.4

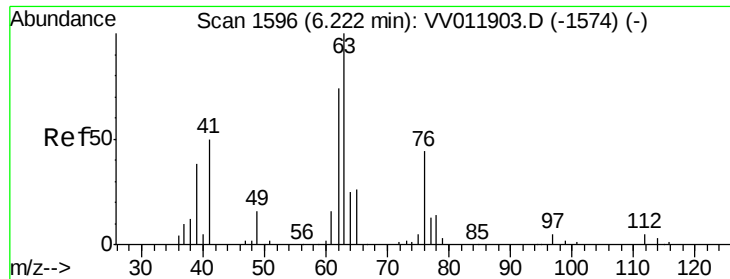


Abundance Ion 83.15 (82.85 to 83.85): VV011906.D (-1489) (-)

Ion 55.10 (54.80 to 55.80): VV011906.D (-1489) (-)

Ion 98.15 (97.85 to 98.85): VV011906.D (-1489) (-)





#37

1,2-Dichloropropane

Concen: 5.486 ug/L

RT: 6.22 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VV011906.D

Acq: 17 Jul 2019 12:22

Instrument :

MSVOA_V

ClientSampleId :

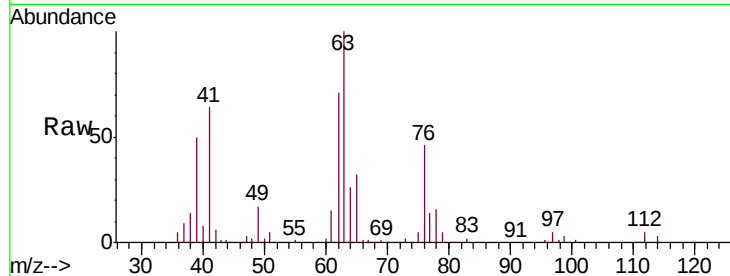
VICV35

Tgt Ion: 63 Resp: 71923

Ion Ratio Lower Upper

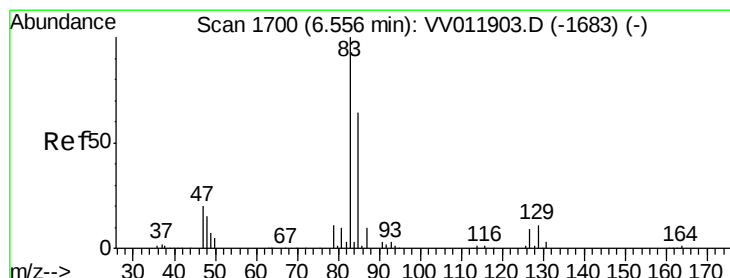
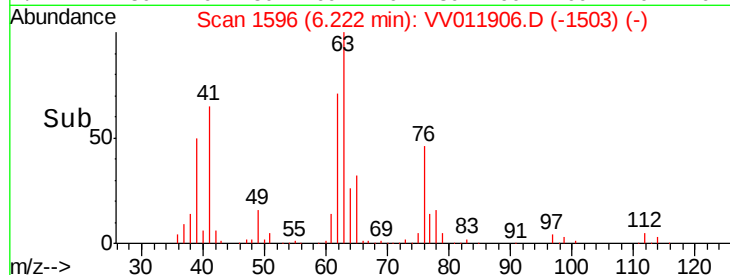
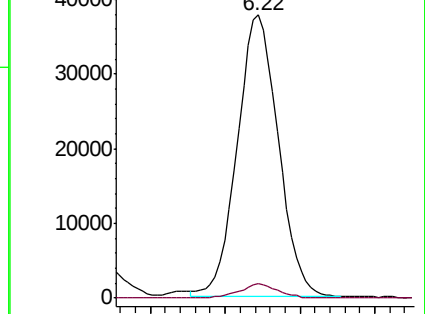
63 100

112 4.7 3.4 5.2



Abundance Ion 63.10 (62.80 to 63.80): VV011906.D (-1503) (-)

Ion 112.10 (111.80 to 112.80): VV011906.D (-1503) (-)



#38

Bromodichloromethane

Concen: 5.505 ug/L

RT: 6.56 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VV011906.D

Acq: 17 Jul 2019 12:22

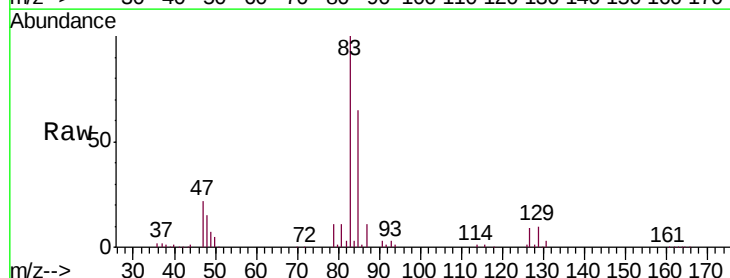
Tgt Ion: 83 Resp: 88388

Ion Ratio Lower Upper

83 100

85 64.9 45.1 83.7

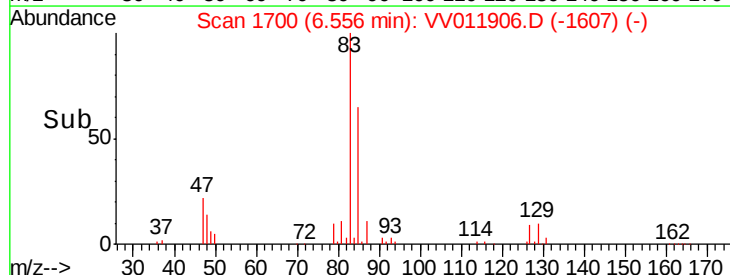
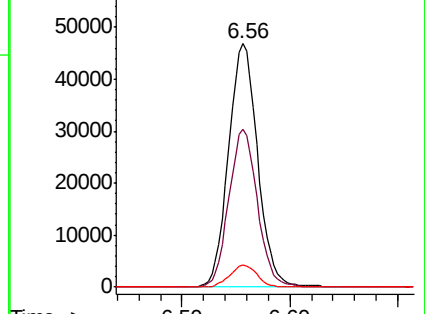
127 8.9 7.1 10.7

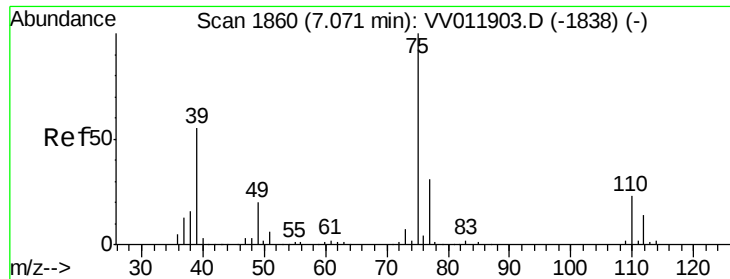


Abundance Ion 82.95 (82.65 to 83.65): VV011906.D (-1607) (-)

Ion 85.00 (84.70 to 85.70): VV011906.D (-1607) (-)

Ion 126.90 (126.60 to 127.60): VV011906.D (-1607) (-)

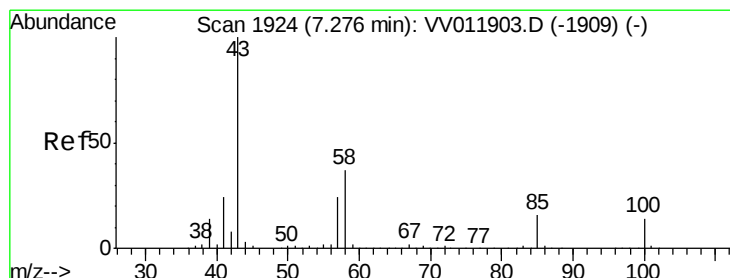
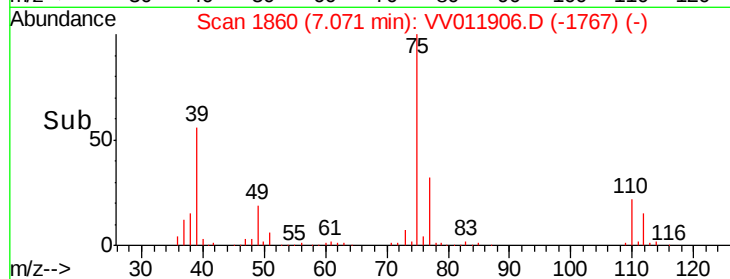
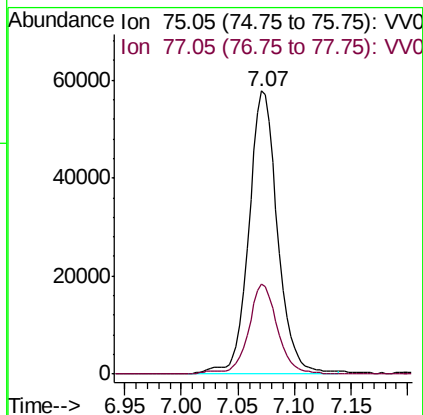
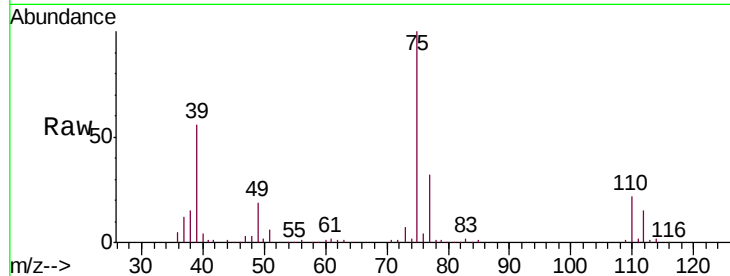




#39
 cis-1,3-Dichloropropene
 Concen: 5.712 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV011906.D
 Acq: 17 Jul 2019 12:22

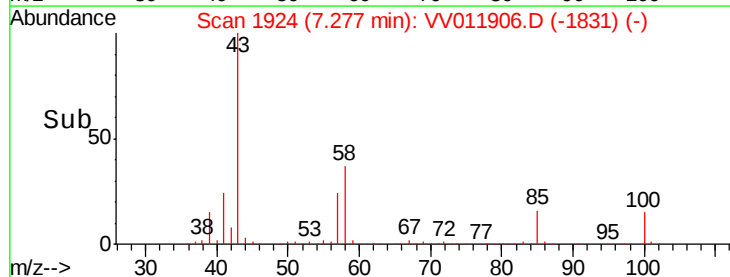
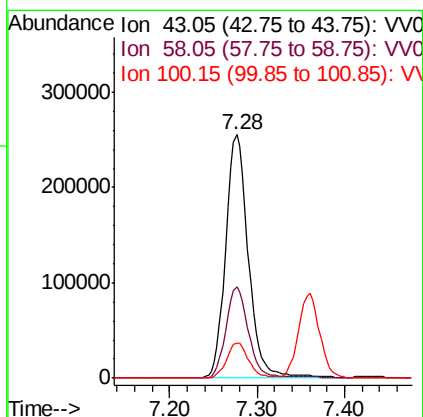
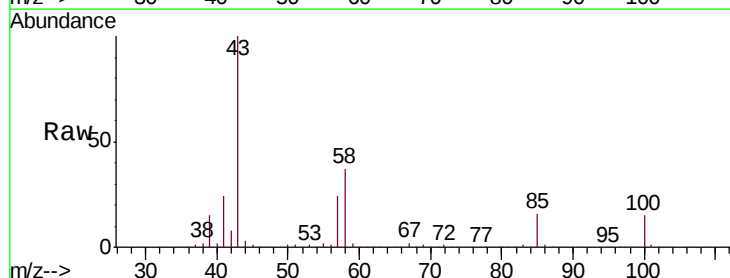
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV35

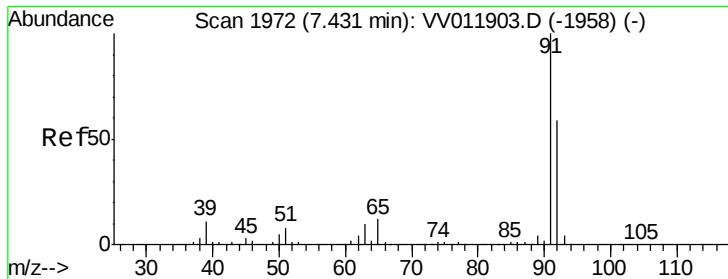
Tgt Ion: 75 Resp: 102510
 Ion Ratio Lower Upper
 75 100
 77 31.7 21.6 40.2



#40
 4-Methyl-2-pentanone
 Concen: 58.749 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV011906.D
 Acq: 17 Jul 2019 12:22

Tgt Ion: 43 Resp: 462822
 Ion Ratio Lower Upper
 43 100
 58 36.8 29.4 44.2
 100 14.0 11.1 16.7





#42

Toluene

Concen: 5.710 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV011906.D

Acq: 17 Jul 2019 12:22

Instrument :

MSVOA_V

ClientSampleId :

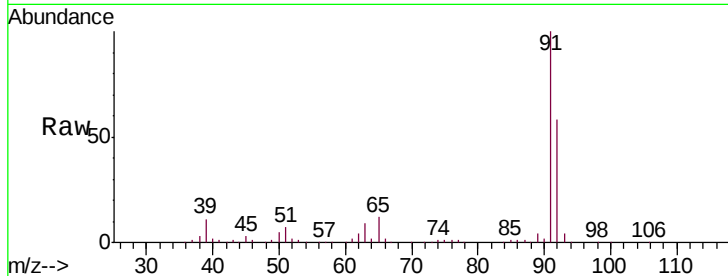
VICV35

Tgt Ion: 91 Resp: 321813

Ion Ratio Lower Upper

91 100

92 58.3 41.1 76.3



Abundance Ion 91.15 (90.85 to 91.85): VV011906.D (-1879) (-)

Ion 92.15 (91.85 to 92.85): VV011906.D (-1879) (-)

7.43

200000

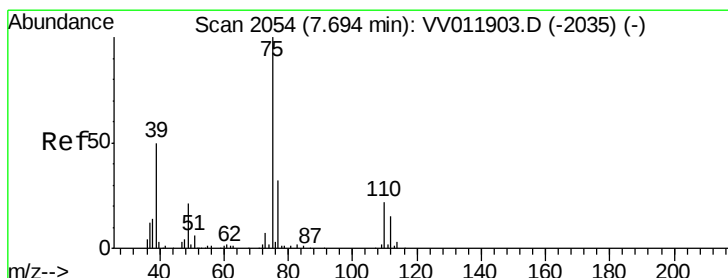
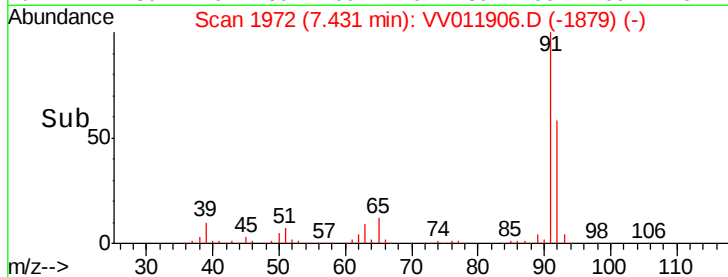
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.620 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV011906.D

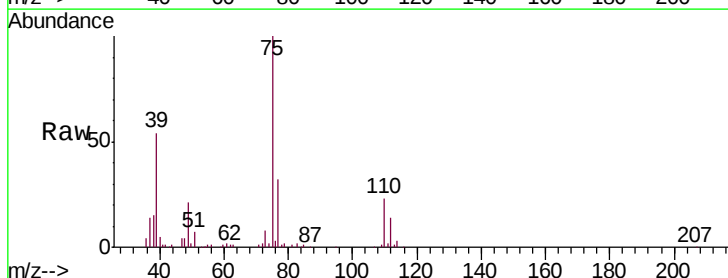
Acq: 17 Jul 2019 12:22

Tgt Ion: 75 Resp: 80177

Ion Ratio Lower Upper

75 100

77 31.8 22.3 41.3



Abundance Ion 75.05 (74.75 to 75.75): VV011906.D (-1961) (-)

Ion 77.05 (76.75 to 77.75): VV011906.D (-1961) (-)

7.69

50000

40000

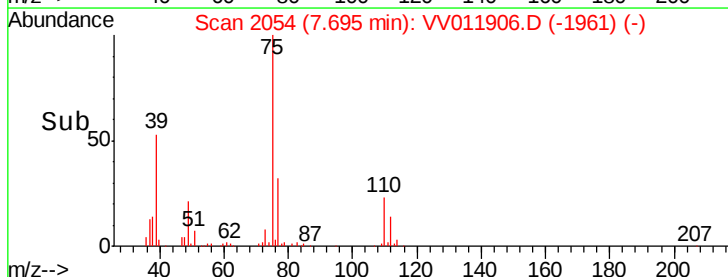
30000

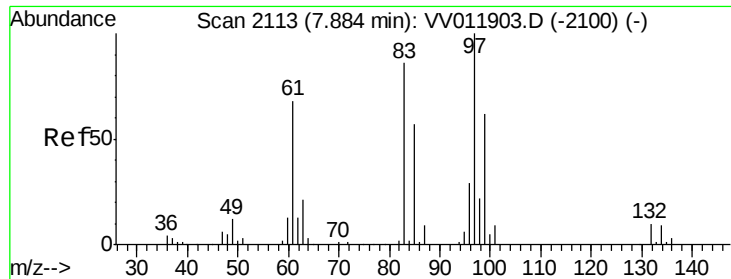
20000

10000

0

Time-->

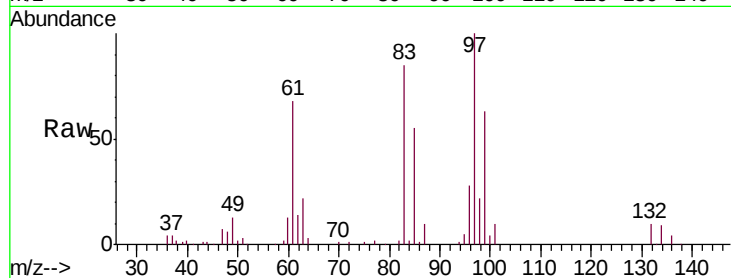




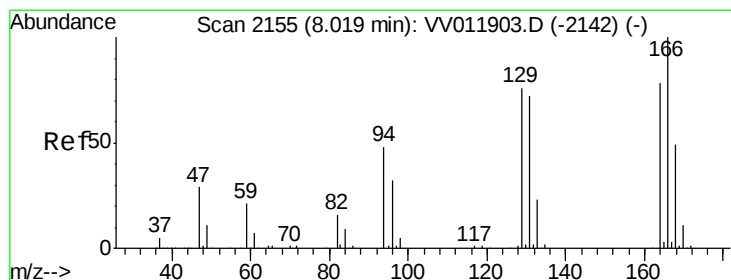
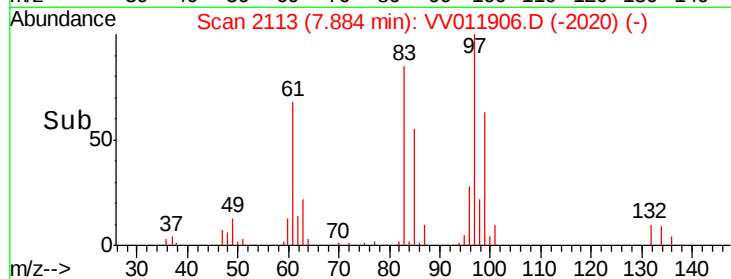
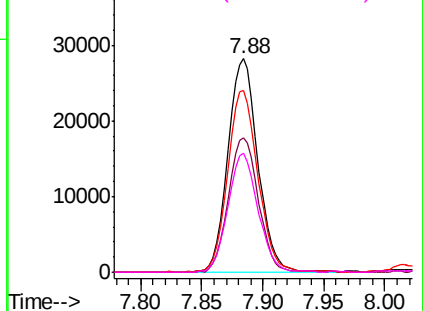
#45
 1,1,2-Trichloroethane
 Concen: 5.470 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VV011906.D
 Acq: 17 Jul 2019 12:22

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV35

Tgt Ion:	97	Resp:	48478
Ion	Ratio	Lower	Upper
97	100		
99	63.2	43.5	80.7
83	85.1	60.5	112.3
85	55.5	39.6	73.6

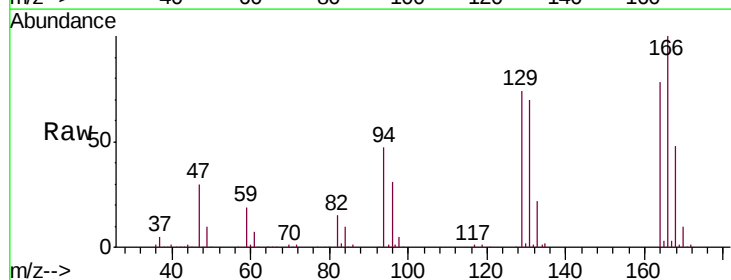


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

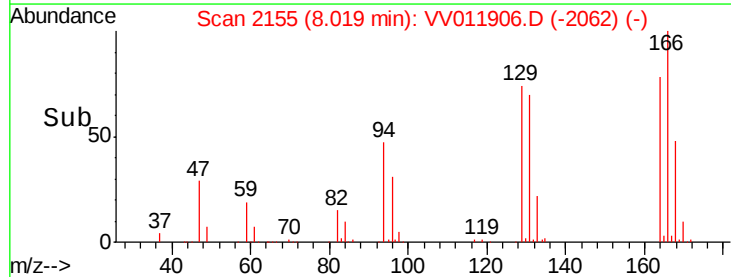
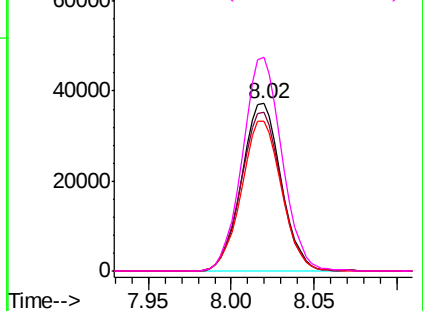


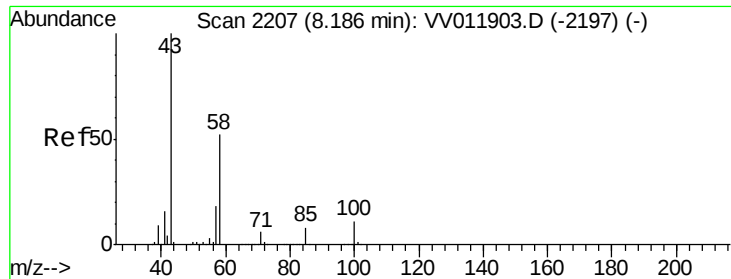
#47
 Tetrachloroethene
 Concen: 5.641 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV011906.D
 Acq: 17 Jul 2019 12:22

Tgt Ion:	164	Resp:	61973
Ion	Ratio	Lower	Upper
164	100		
129	94.6	68.6	127.4
131	89.6	64.6	120.0
166	127.4	89.7	166.7



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

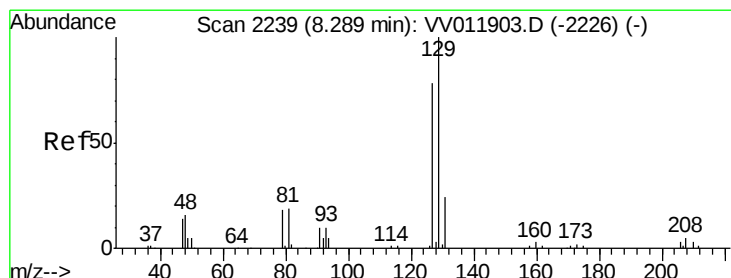
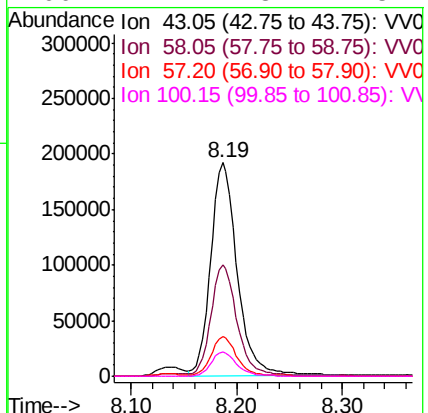
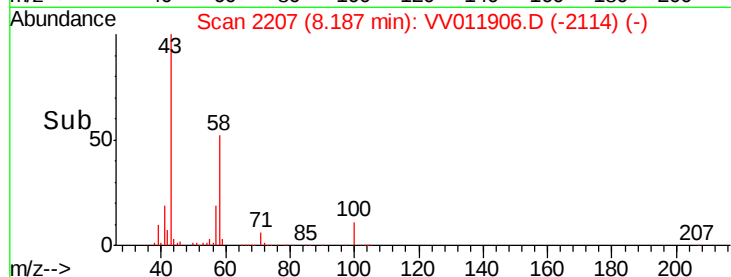
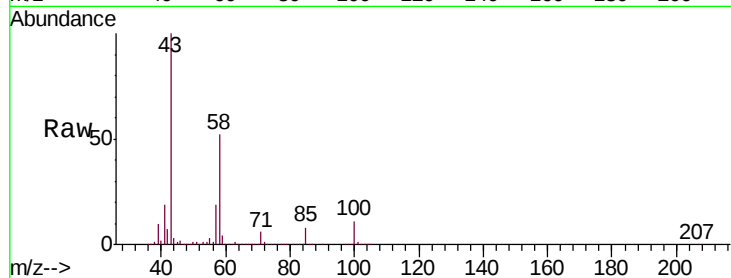




#48
2-Hexanone
Concen: 59.044 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV011906.D
Acq: 17 Jul 2019 12:22

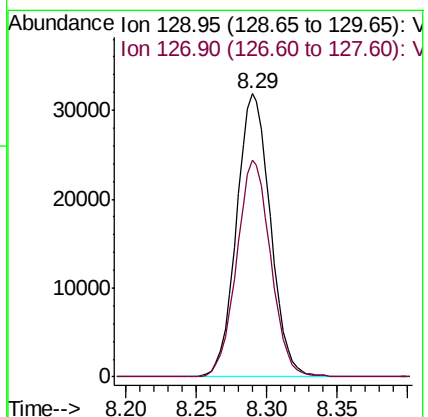
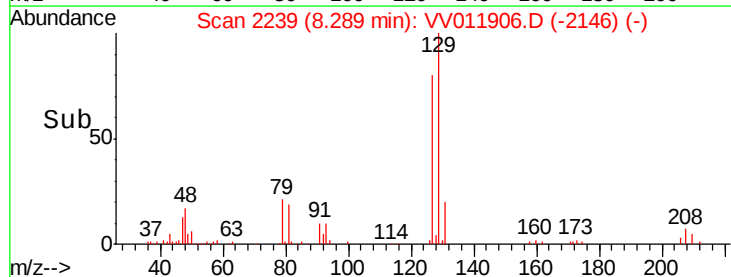
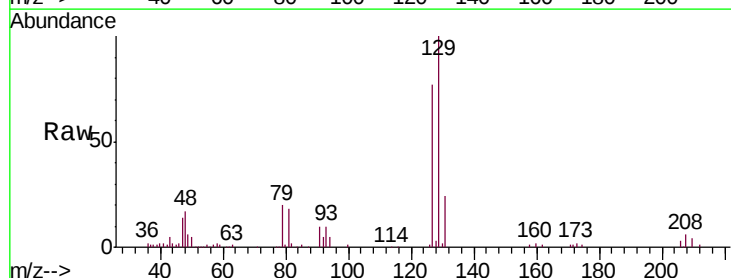
Instrument :
MSVOA_V
ClientSampleId :
VICV35

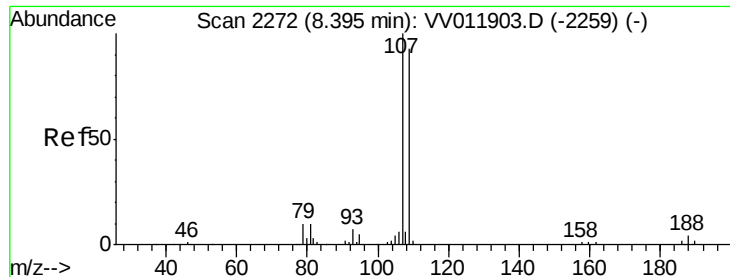
Tgt Ion: 43 Resp: 332969
Ion Ratio Lower Upper
43 100
58 51.1 41.1 61.7
57 17.9 14.3 21.5
100 11.2 8.7 13.1



#49
Dibromochloromethane
Concen: 5.578 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV011906.D
Acq: 17 Jul 2019 12:22

Tgt Ion: 129 Resp: 53603
Ion Ratio Lower Upper
129 100
127 76.7 54.3 100.9

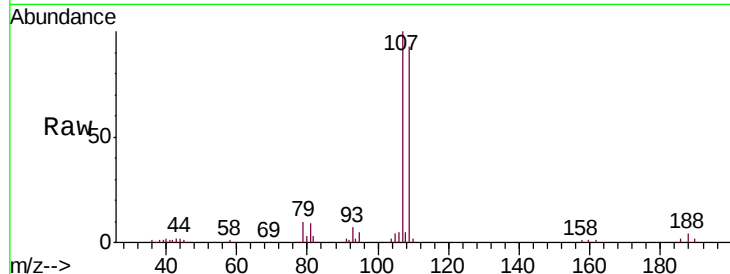




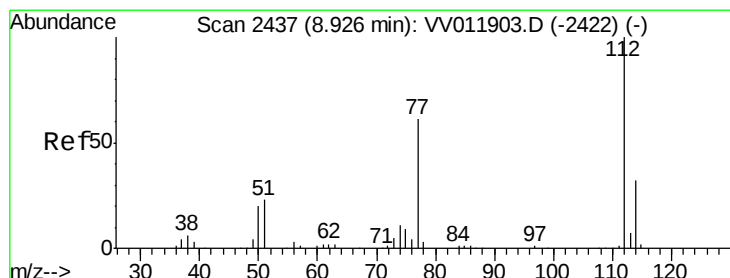
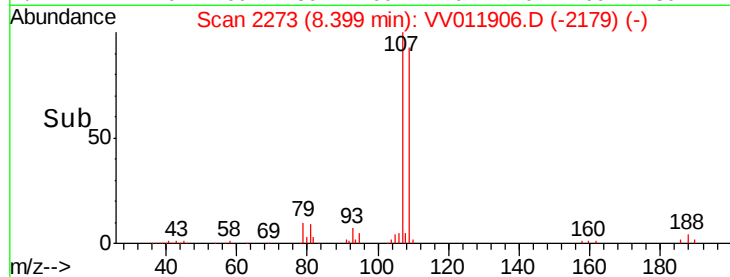
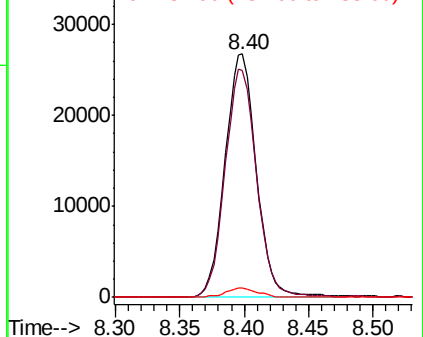
#50
1,2-Dibromoethane
Concen: 5.526 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VV011906.D
Acq: 17 Jul 2019 12:22

Instrument :
MSVOA_V
ClientSampleId :
VICV35

Tgt Ion:107 Resp: 45071
Ion Ratio Lower Upper
107 100
109 93.1 65.2 121.2
188 3.8 2.9 4.3

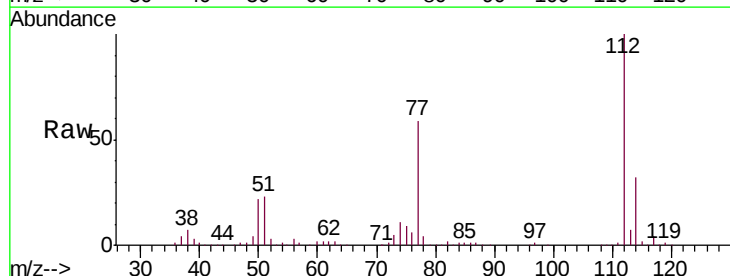


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

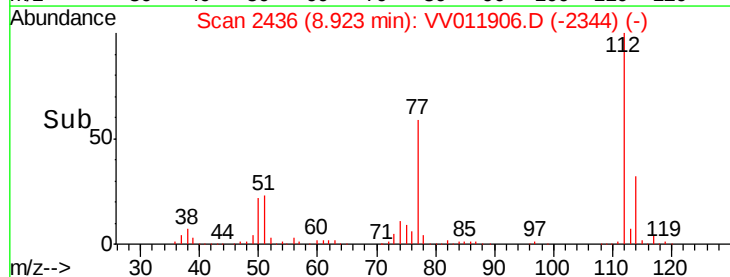
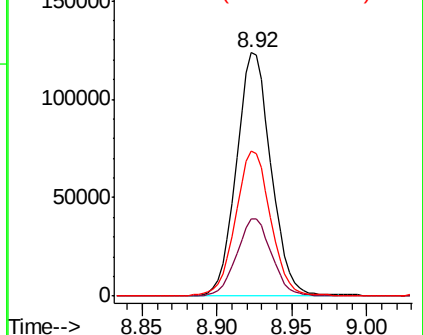


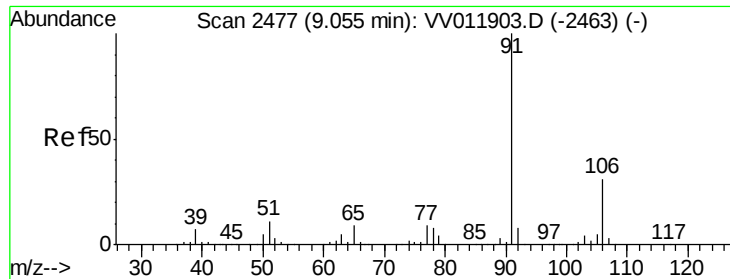
#51
Chlorobenzene
Concen: 5.594 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. -0.00 min
Lab File: VV011906.D
Acq: 17 Jul 2019 12:22

Tgt Ion:112 Resp: 199003
Ion Ratio Lower Upper
112 100
114 31.5 22.6 42.0
77 59.4 48.6 73.0



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

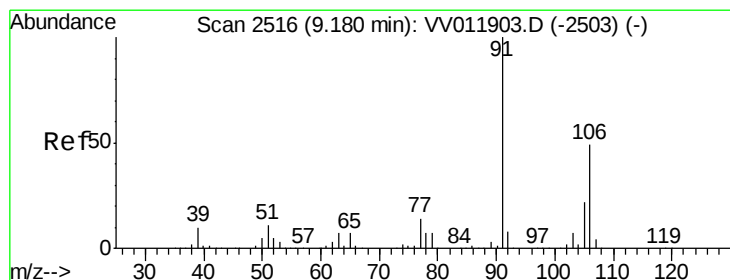
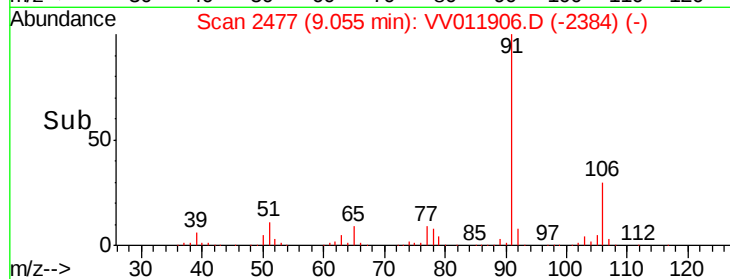
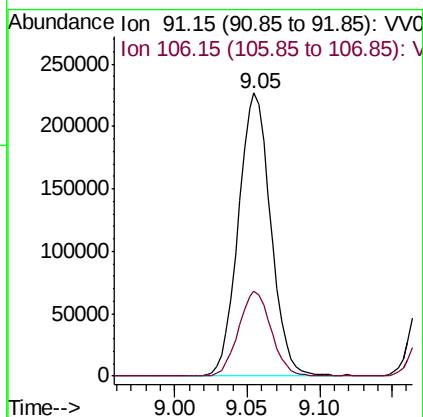
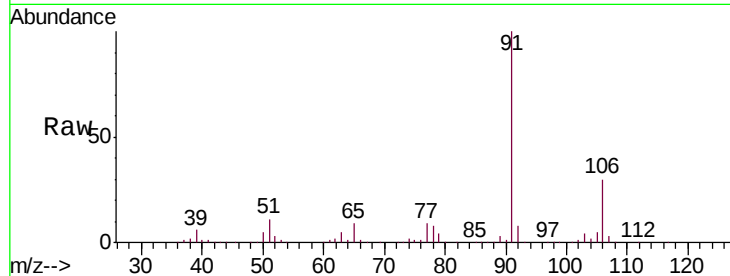




#52
Ethylbenzene
Concen: 5.673 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. 0.00 min
Lab File: VV011906.D
Acq: 17 Jul 2019 12:22

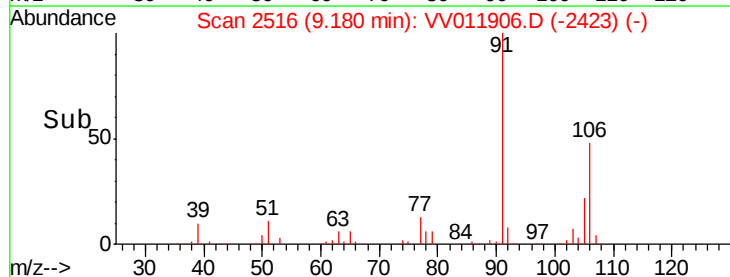
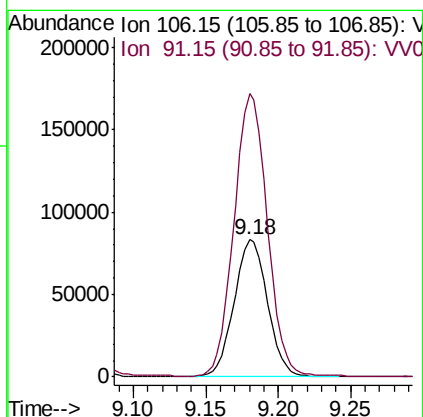
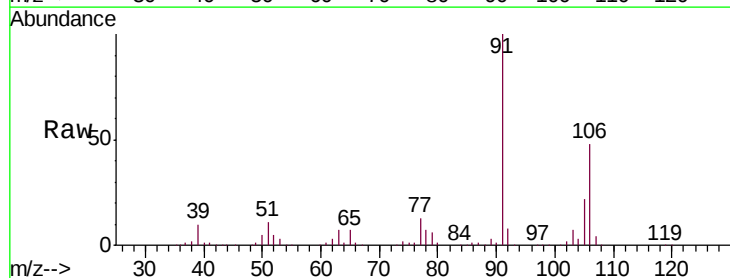
Instrument :
MSVOA_V
ClientSampleId :
VICV35

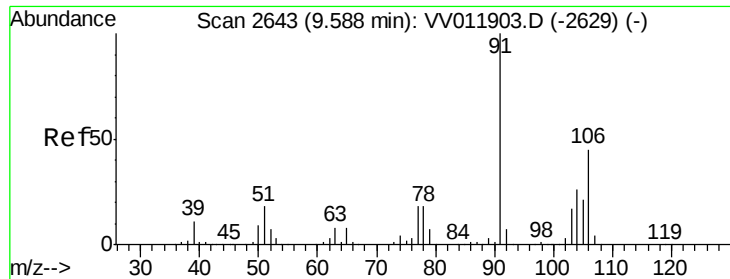
Tgt Ion: 91 Resp: 351448
Ion Ratio Lower Upper
91 100
106 30.0 21.4 39.8



#53
m,p-xylene
Concen: 5.795 ug/L
RT: 9.18 min Scan# 2516
Delta R.T. 0.00 min
Lab File: VV011906.D
Acq: 17 Jul 2019 12:22

Tgt Ion: 106 Resp: 133717
Ion Ratio Lower Upper
106 100
91 206.7 141.8 263.4

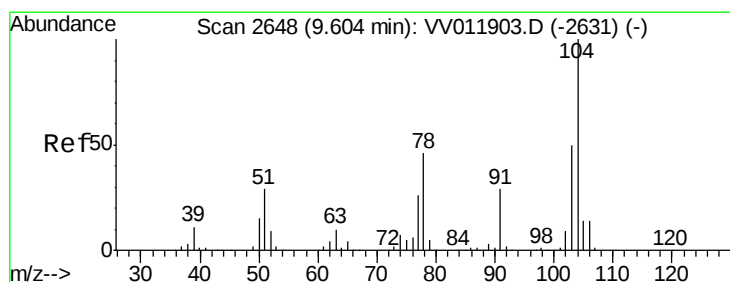
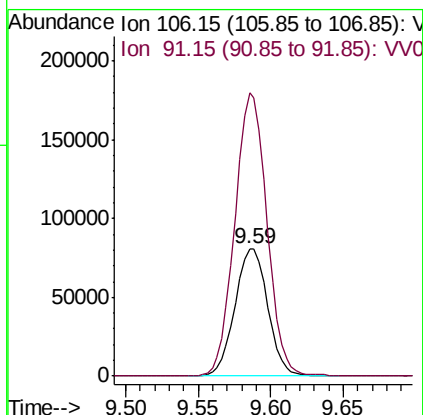
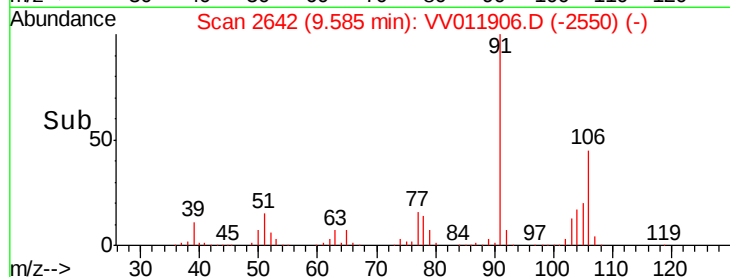
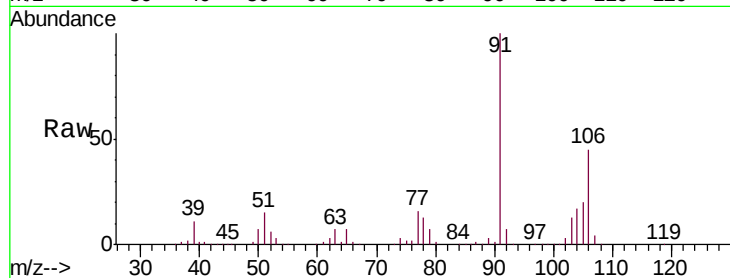




#54
o-xylene
Concen: 5.929 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. -0.00 min
Lab File: VV011906.D
Acq: 17 Jul 2019 12:22

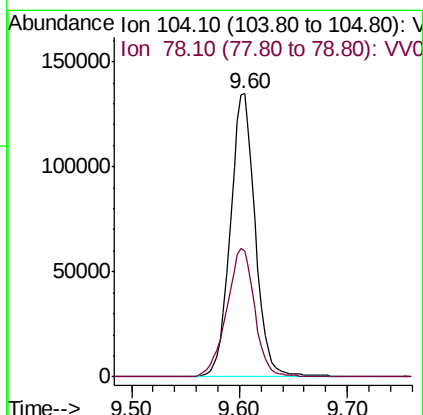
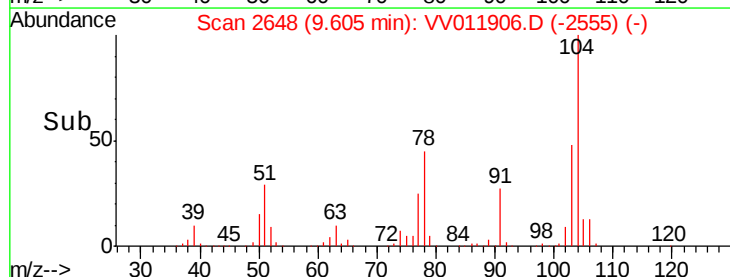
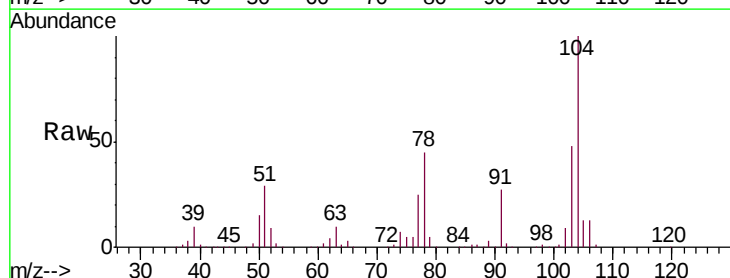
Instrument :
MSVOA_V
ClientSampleId :
VICV35

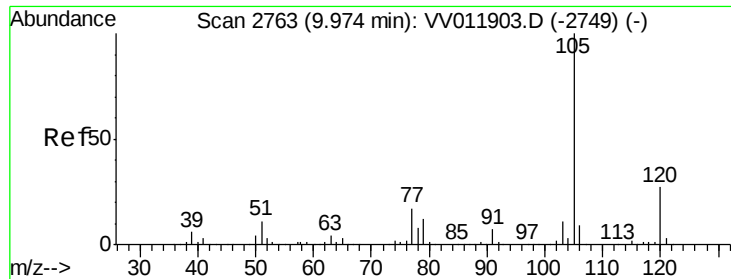
Tgt Ion:106 Resp: 127449
Ion Ratio Lower Upper
106 100
91 222.4 156.9 291.3



#55
Styrene
Concen: 5.944 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV011906.D
Acq: 17 Jul 2019 12:22

Tgt Ion:104 Resp: 217053
Ion Ratio Lower Upper
104 100
78 44.6 32.0 59.4





#56

Isopropylbenzene

Concen: 5.905 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV011906.D

Acq: 17 Jul 2019 12:22

Instrument :

MSVOA_V

ClientSampled :

VICV35

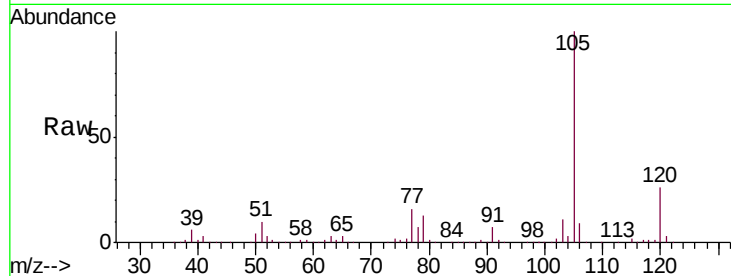
Tgt Ion: 105 Resp: 348560

Ion Ratio Lower Upper

105 100

120 25.9 20.8 31.2

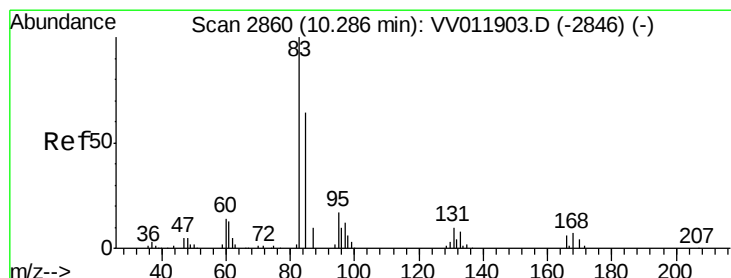
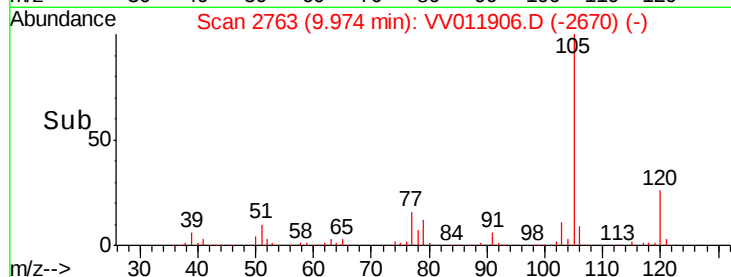
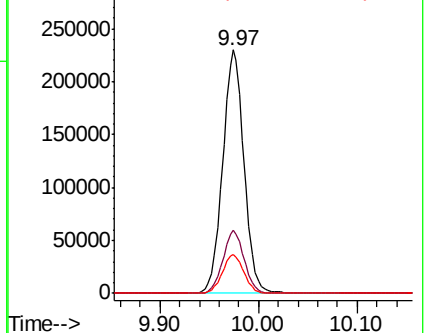
77 16.2 13.3 19.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.742 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV011906.D

Acq: 17 Jul 2019 12:22

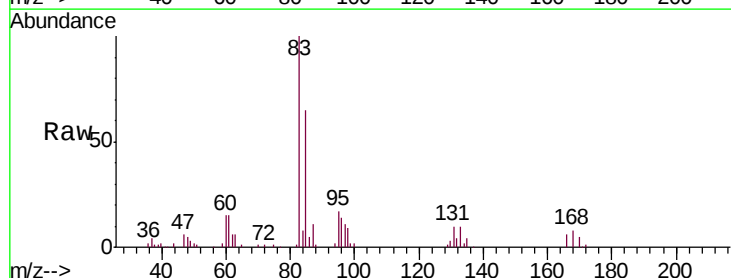
Tgt Ion: 83 Resp: 48539

Ion Ratio Lower Upper

83 100

85 64.9 44.9 83.3

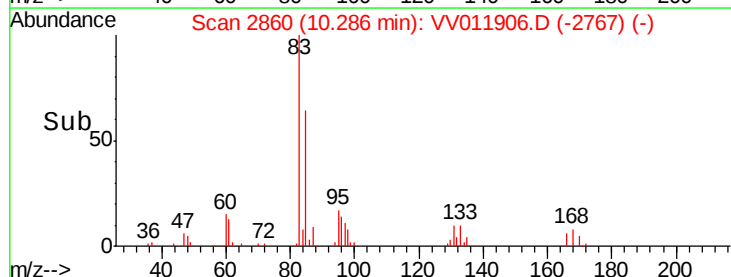
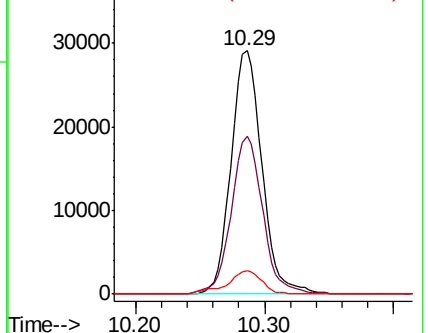
131 9.7 8.2 12.2

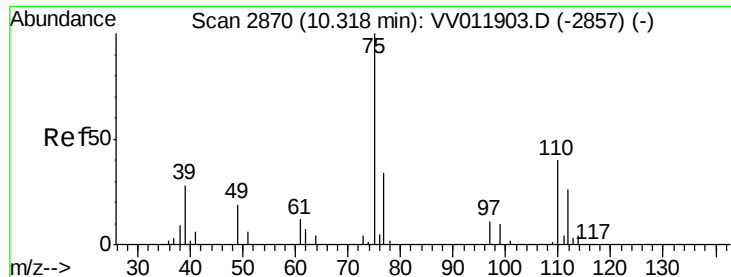


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.375 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VV011906.D

Acq: 17 Jul 2019 12:22

Instrument :

MSVOA_V

ClientSampleId :

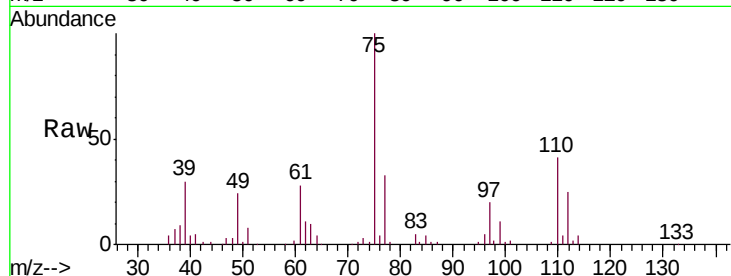
VICV35

Tgt Ion: 75 Resp: 41797

Ion Ratio Lower Upper

75 100

77 33.1 26.3 39.5

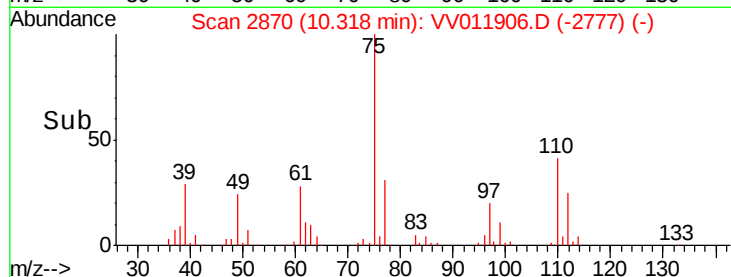


Abundance Ion 75.00 (74.70 to 75.70): VV011903.D (-2857) (-)

Ion 77.00 (76.70 to 77.70): VV011903.D (-2857) (-)

10.32

Time-->

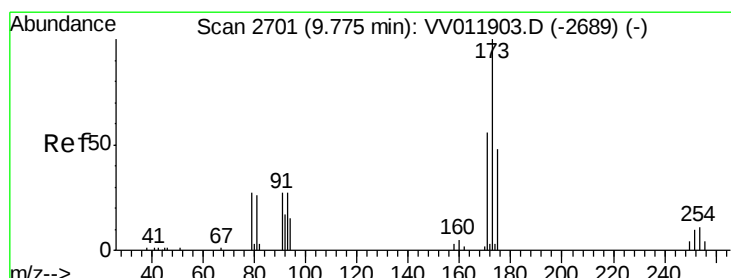


Abundance Ion 75.00 (74.70 to 75.70): VV011906.D (-2777) (-)

Ion 77.00 (76.70 to 77.70): VV011906.D (-2777) (-)

10.32

Time-->



#61

Bromoform

Concen: 5.450 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV011906.D

Acq: 17 Jul 2019 12:22

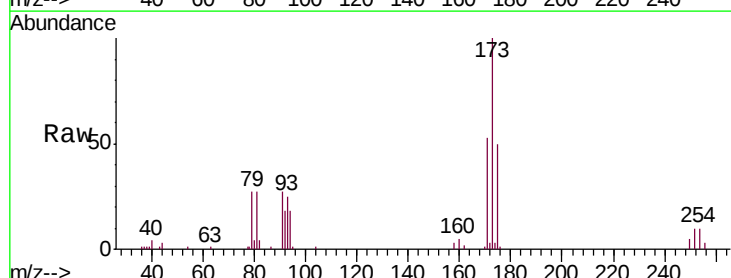
Tgt Ion: 173 Resp: 25519

Ion Ratio Lower Upper

173 100

175 48.6 39.1 58.7

254 9.4 7.8 11.8



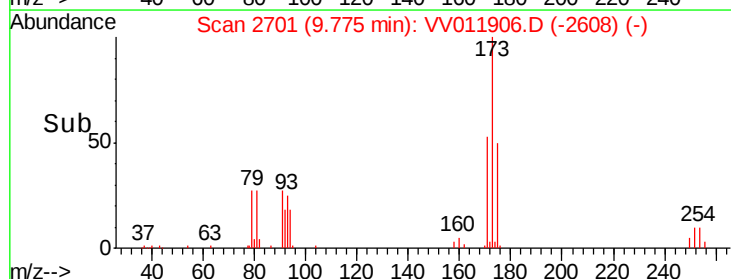
Abundance Ion 172.90 (172.60 to 173.60): VV011903.D (-2689) (-)

Ion 174.90 (174.60 to 175.60): VV011903.D (-2689) (-)

Ion 253.75 (253.45 to 254.45): VV011903.D (-2689) (-)

9.77

Time-->



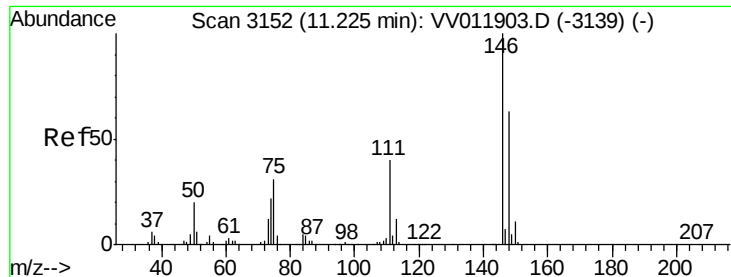
Abundance Ion 172.90 (172.60 to 173.60): VV011906.D (-2608) (-)

Ion 174.90 (174.60 to 175.60): VV011906.D (-2608) (-)

Ion 253.75 (253.45 to 254.45): VV011906.D (-2608) (-)

9.77

Time-->



#62

1,3-Dichlorobenzene

Concen: 5.792 ug/L

RT: 11.23 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV011906.D

Acq: 17 Jul 2019 12:22

Instrument :

MSVOA_V

ClientSampleId :

VICV35

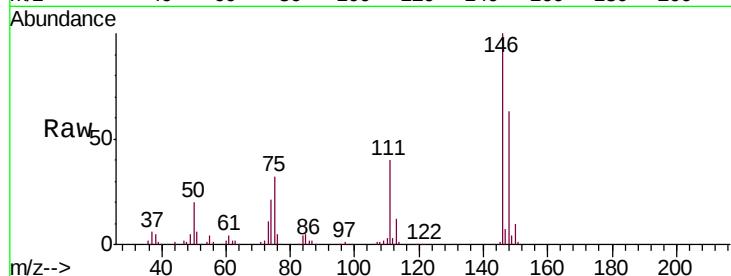
Tgt Ion:146 Resp: 156028

Ion Ratio Lower Upper

146 100

111 39.5 28.1 52.1

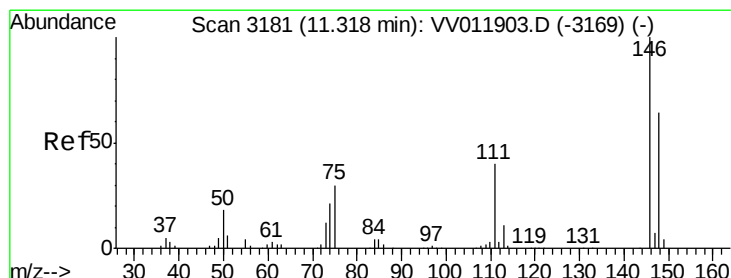
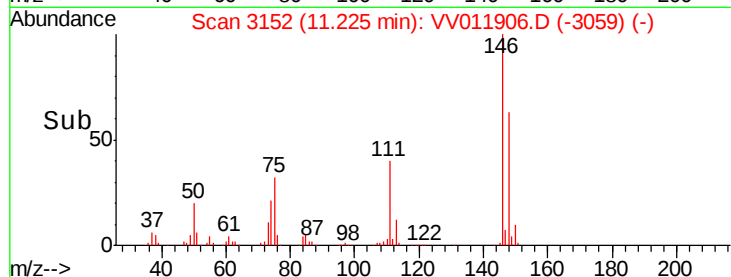
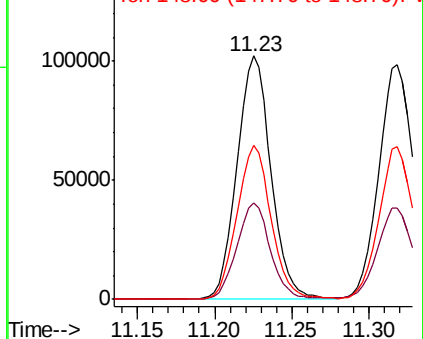
148 63.1 44.3 82.3



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: 5.659 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. 0.00 min

Lab File: VV011906.D

Acq: 17 Jul 2019 12:22

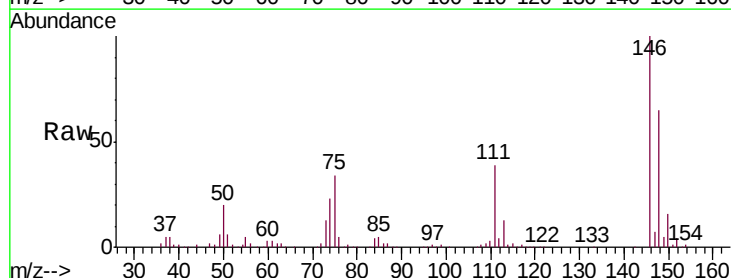
Tgt Ion:146 Resp: 156871

Ion Ratio Lower Upper

146 100

111 39.0 28.0 52.0

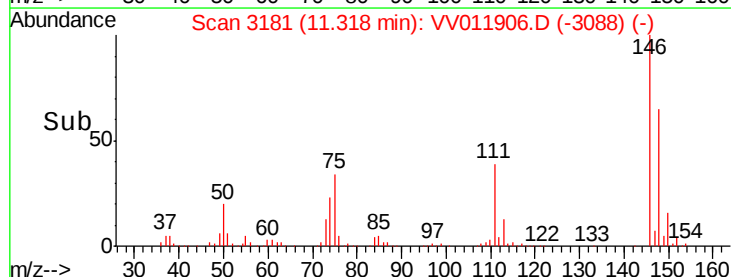
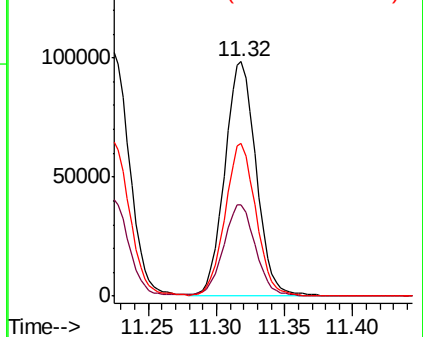
148 65.2 44.5 82.7

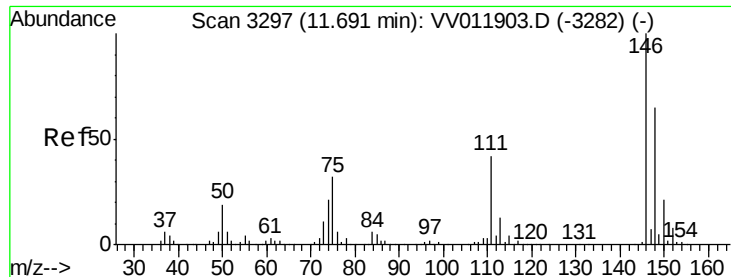


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.724 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. -0.00 min

Lab File: VV011906.D

Acq: 17 Jul 2019 12:22

Instrument :

MSVOA_V

ClientSampled :

VICV35

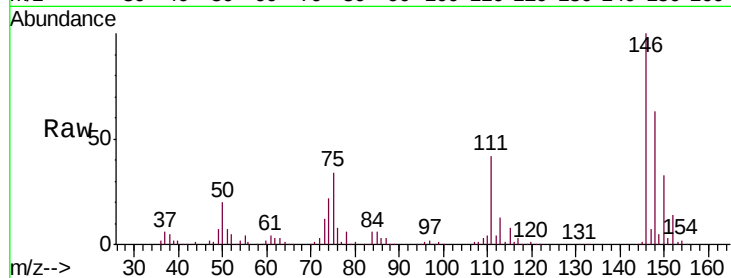
Tgt Ion:146 Resp: 144434

Ion Ratio Lower Upper

146 100

111 42.0 34.0 51.0

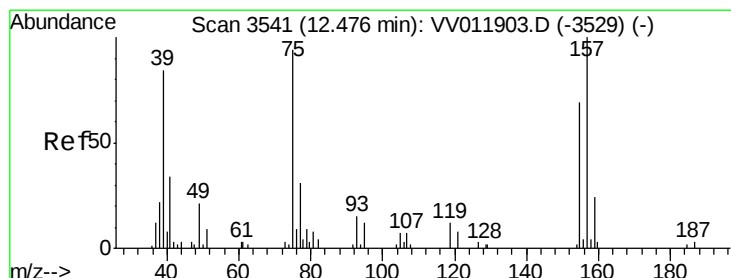
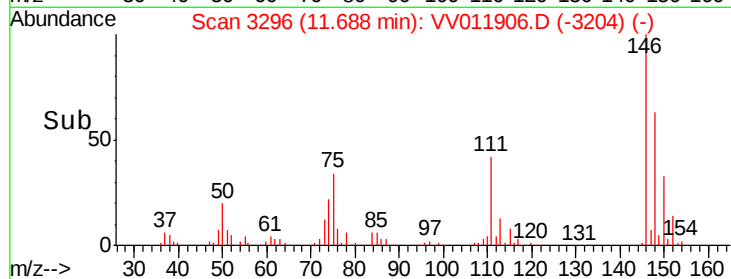
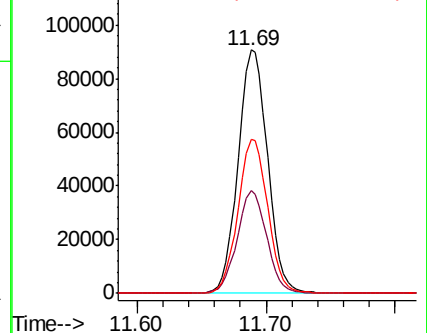
148 63.1 51.8 77.6



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



#66

1,2-Dibromo-3-chloropropane

Concen: 5.750 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. 0.00 min

Lab File: VV011906.D

Acq: 17 Jul 2019 12:22

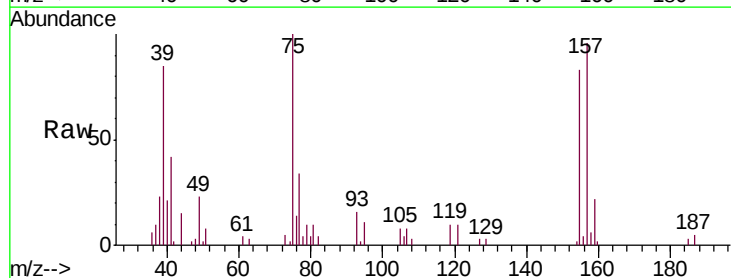
Tgt Ion: 75 Resp: 8238

Ion Ratio Lower Upper

75 100

155 83.3 59.4 89.0

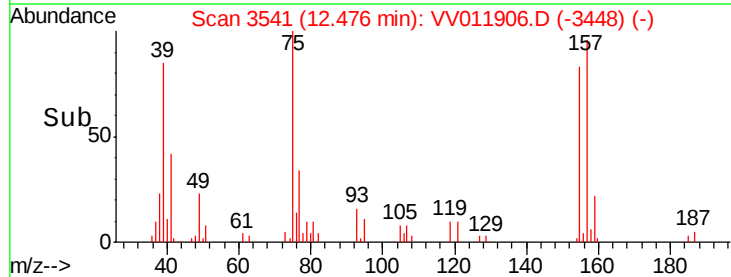
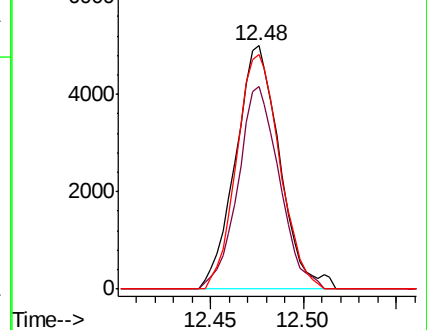
157 96.1 85.5 128.3

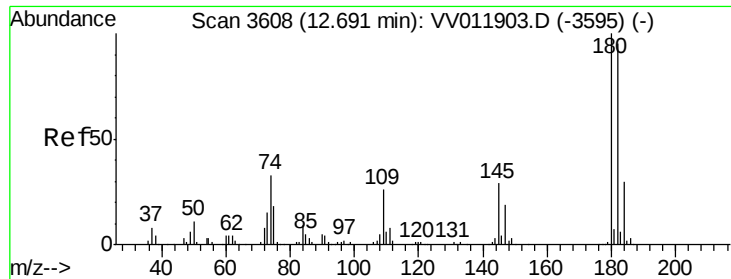


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

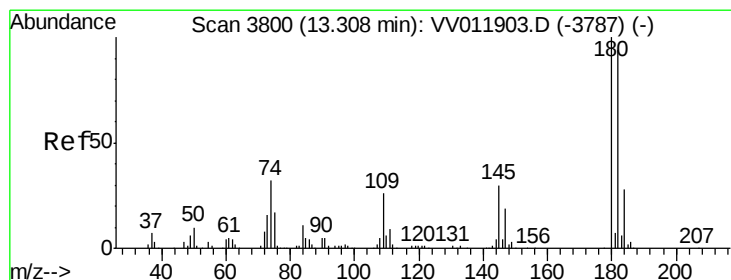
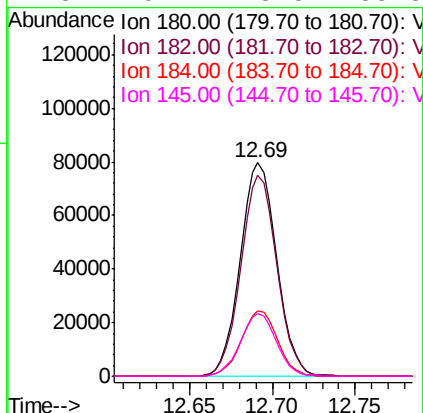
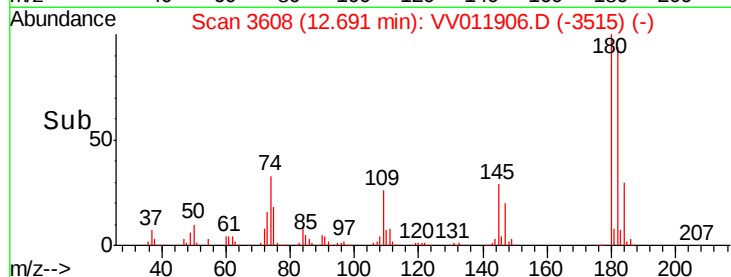
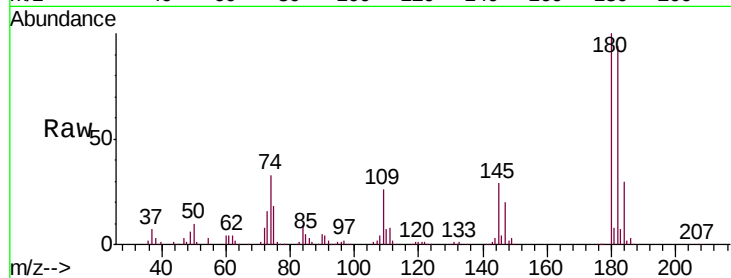




#67
 1,3,5-Trichlorobenzene
 Concen: 5.754 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV011906.D
 Acq: 17 Jul 2019 12:22

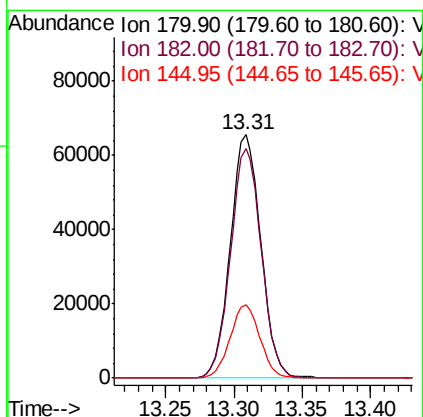
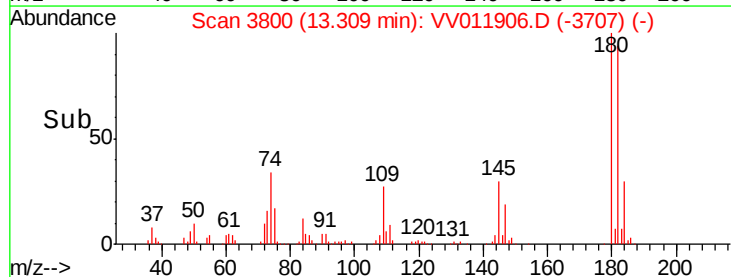
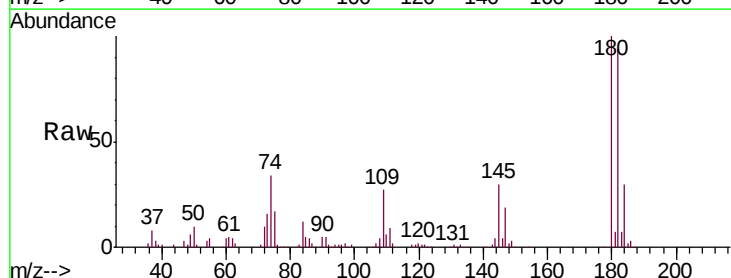
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV35

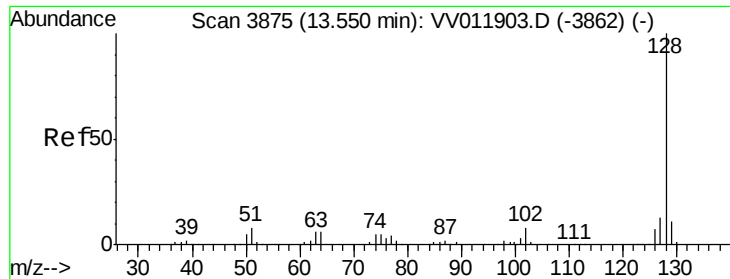
Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.4	75.5	113.3
184	30.4	24.2	36.2
145	29.2	23.5	35.3



#68
 1,2,4-trichlorobenzene
 Concen: 6.118 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV011906.D
 Acq: 17 Jul 2019 12:22

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.0	114.0
145	29.7	24.2	36.4





#69

Naphthalene

Concen: 6.416 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV011906.D

Acq: 17 Jul 2019 12:22

Instrument :

MSVOA_V

ClientSampled :

VICV35

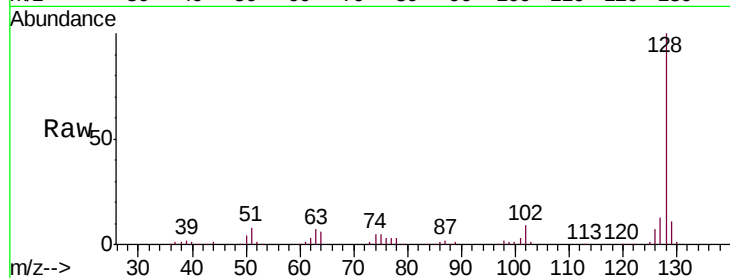
Tgt Ion:128 Resp: 164422

Ion Ratio Lower Upper

128 100

129 10.9 8.6 13.0

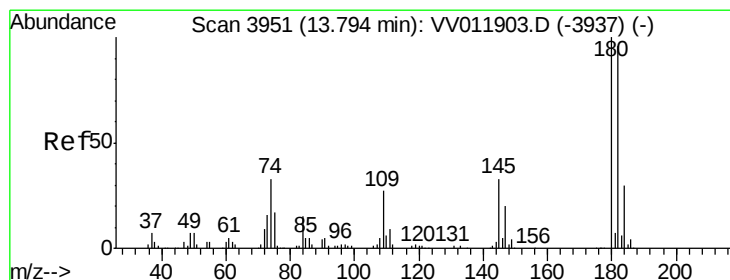
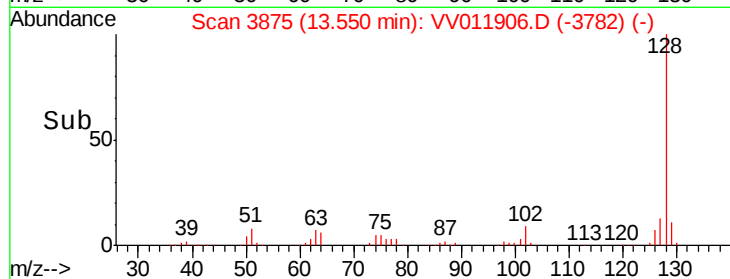
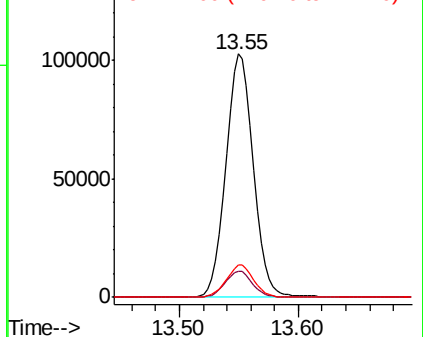
127 13.3 10.7 16.1



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: 6.237 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VV011906.D

Acq: 17 Jul 2019 12:22

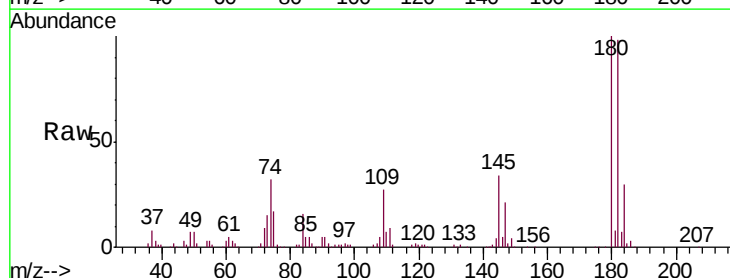
Tgt Ion:180 Resp: 93830

Ion Ratio Lower Upper

180 100

182 95.3 77.0 115.6

145 32.7 26.1 39.1



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

