

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091719\
 Data File : VV012869.D
 Acq On : 17 Sep 2019 17:35
 Operator : SY/MD
 Sample : VSTDICV005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV33

Quant Time: Sep 17 18:32:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Sep 17 17:41:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	417979	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	408529	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	201213	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	200726	4.85	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.00%
7) Chloroethane-d5	1.58	69	162386	4.98	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.60%
11) 1,1-Dichloroethene-d2	2.13	63	296524	4.86	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.20%
20) 2-Butanone-d5	3.98	46	467343	53.95	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.90%
24) Chloroform-d	4.40	84	336145	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.60%
26) 1,2-Dichloroethane-d4	5.08	65	172031	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.20%
32) Benzene-d6	5.09	84	696236	5.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.80%
36) 1,2-Dichloropropane-d6	6.12	67	211540	5.13	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.60%
41) Toluene-d8	7.36	98	642590	5.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.80%
43) trans-1,3-Dichloropropene-	7.66	79	76351	5.15	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.00%
46) 2-Hexanone-d5	8.14	63	362858	58.25	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	116.50%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	164823	5.17	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	222551	5.12	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	115127	4.368 ug/L	95
3) Chloromethane	1.25	50	138553	4.766 ug/L	100
5) Vinyl chloride	1.32	62	161019	4.774 ug/L	99
6) Bromomethane	1.53	94	79662	4.913 ug/L	100
8) Chloroethane	1.60	64	85404	4.820 ug/L	99
9) Trichlorofluoromethane	1.77	101	195423	4.762 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	117065	4.753 ug/L	99
12) 1,1-Dichloroethene	2.14	96	105760	4.723 ug/L	96
13) Acetone	2.24	43	221600	48.373 ug/L #	53
14) Carbon disulfide	2.32	76	223500	4.872 ug/L	100
15) Methyl Acetate	2.47	43	58898	4.914 ug/L #	86
16) Methylene chloride	2.53	84	119509	4.340 ug/L	98
17) Methyl tert-butyl Ether	2.81	73	314321	4.963 ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	117198	4.709 ug/L	99
19) 1,1-Dichloroethane	3.23	63	247288	4.815 ug/L	99
21) 2-Butanone	4.06	43	398269	52.919 ug/L	91
22) cis-1,2-Dichloroethene	3.96	96	139802	4.999 ug/L	99

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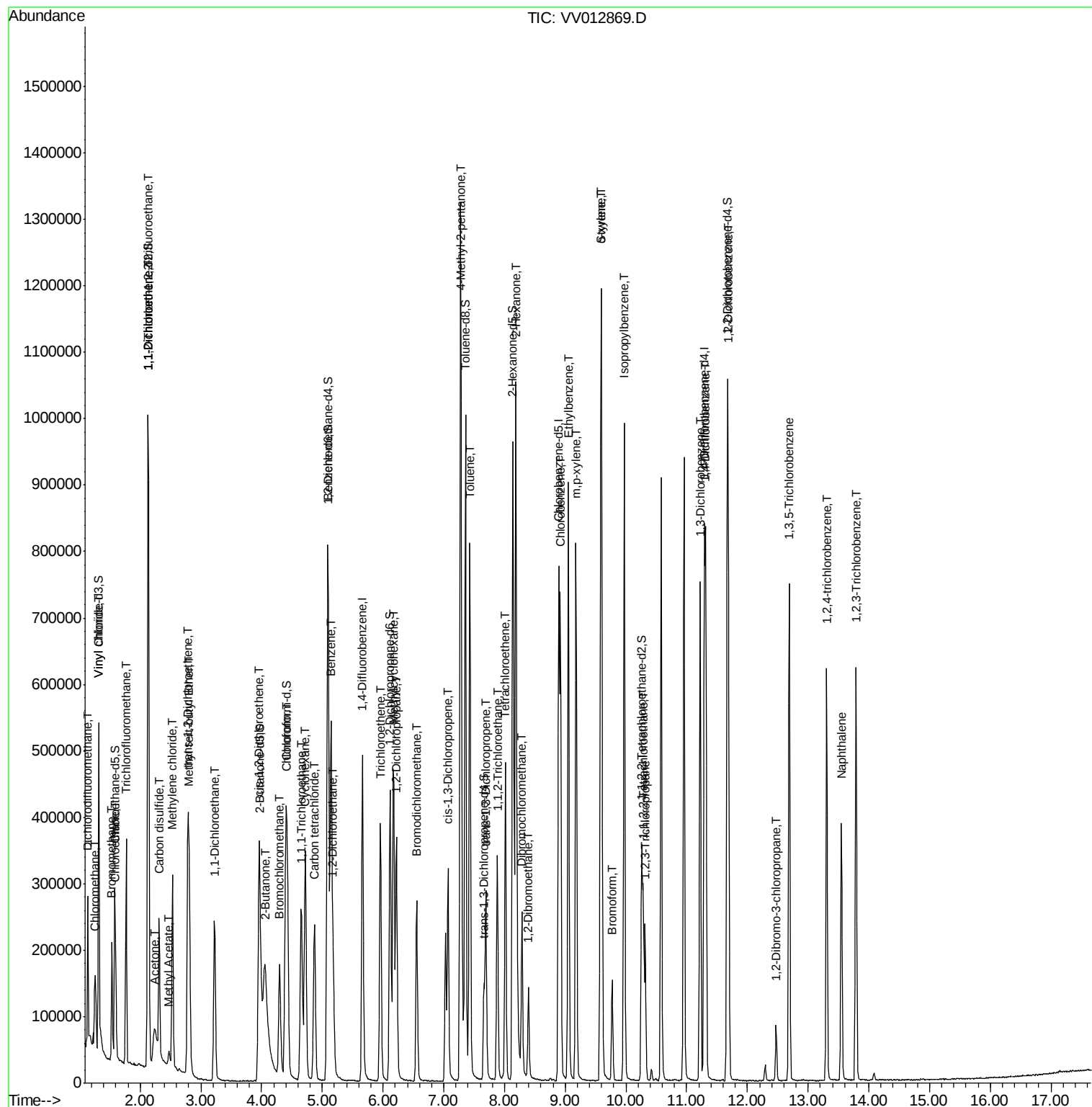
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	61709	4.983	ug/L	98
25) Chloroform	4.42	83	263165	4.548	ug/L	98
27) 1,2-Dichloroethane	5.18	62	155030	5.038	ug/L	100
29) 1,1,1-Trichloroethane	4.65	97	202805	4.778	ug/L	99
30) Cyclohexane	4.72	56	179742	5.077	ug/L	99
31) Carbon tetrachloride	4.87	117	173226	4.818	ug/L	98
33) Benzene	5.14	78	528248	4.983	ug/L	100
34) Trichloroethene	5.96	95	135156	4.950	ug/L	98
35) Methylcyclohexane	6.17	83	183957	5.020	ug/L	100
37) 1,2-Dichloropropane	6.22	63	139158	4.818	ug/L	99
38) Bromodichloromethane	6.55	83	178161	4.739	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	190023	4.966	ug/L	97
40) 4-Methyl-2-pentanone	7.28	43	1008340	54.210	ug/L	99
42) Toluene	7.43	91	570348	5.168	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	153405	5.020	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	106034	4.898	ug/L	96
47) Tetrachloroethene	8.02	164	107982	4.921	ug/L	99
48) 2-Hexanone	8.19	43	744618	55.404	ug/L	100
49) Dibromochloromethane	8.29	129	121053	4.911	ug/L	99
50) 1,2-Dibromoethane	8.40	107	92317	5.124	ug/L	93
51) Chlorobenzene	8.92	112	378795	5.002	ug/L	99
52) Ethylbenzene	9.05	91	607887	5.136	ug/L	99
53) m,p-xylene	9.18	106	229414	5.255	ug/L	98
54) o-xylene	9.59	106	226036	5.267	ug/L	100
55) Styrene	9.60	104	400439	5.439	ug/L	100
56) Isopropylbenzene	9.97	105	612488	5.318	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	133747	4.933	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	93109	4.941	ug/L	100
61) Bromoform	9.77	173	67852	4.918	ug/L	98
62) 1,3-Dichlorobenzene	11.22	146	304785	5.069	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	303307	4.915	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	294679	4.968	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	19646	4.819	ug/L	99
67) 1,3,5-Trichlorobenzene	12.69	180	232632	4.948	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	188049	4.981	ug/L	98
69) Naphthalene	13.55	128	301806	5.291	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	195080	5.238	ug/L	100

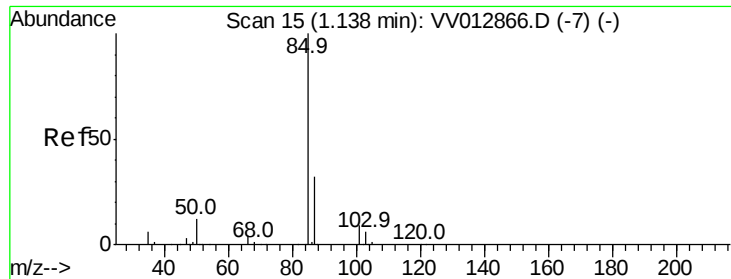
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.368 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV012869.D

Acq: 17 Sep 2019 17:35

Instrument :

MSVOA_V

ClientSampleId :

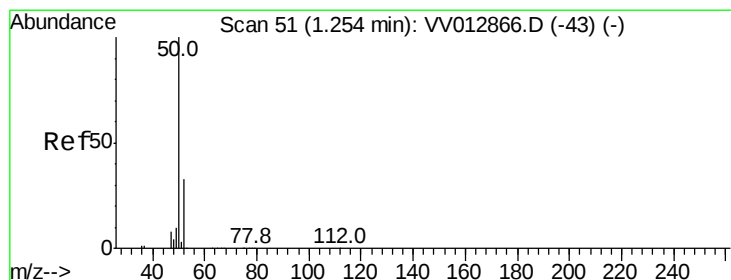
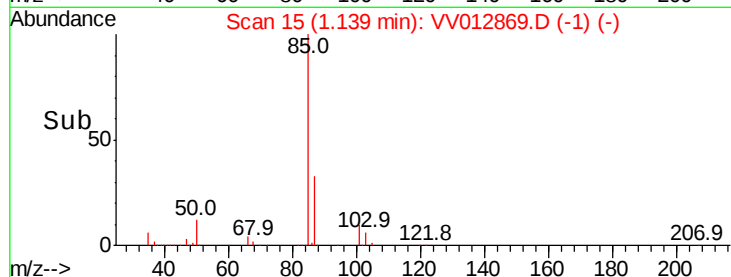
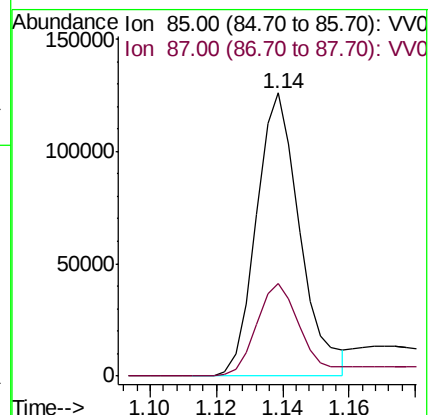
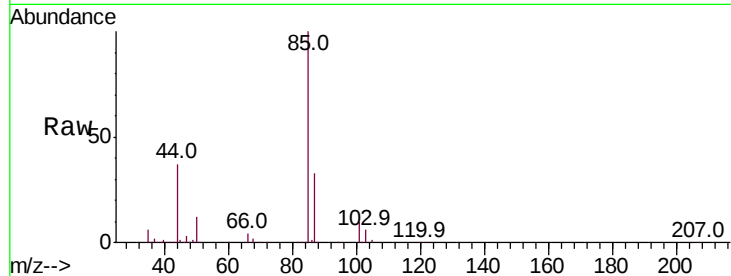
VICV33

Tot Ion: 85 Resp: 115127

Ion Ratio Lower Upper

85 100

87 34.4 25.4 38.2



#3

Chloromethane

Concen: 4.766 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV012869.D

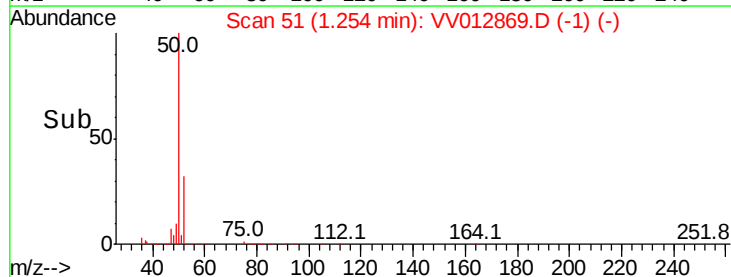
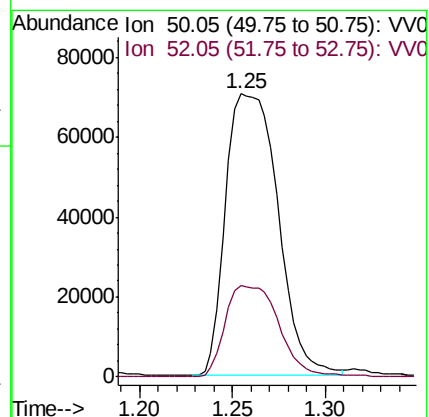
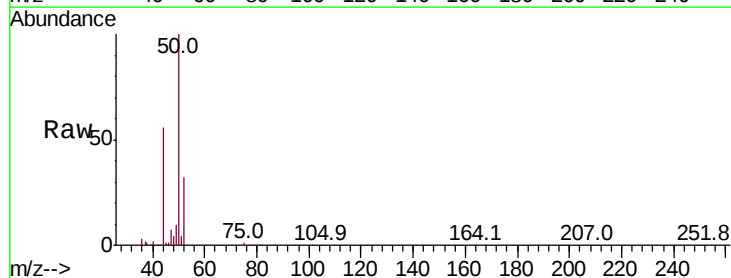
Acq: 17 Sep 2019 17:35

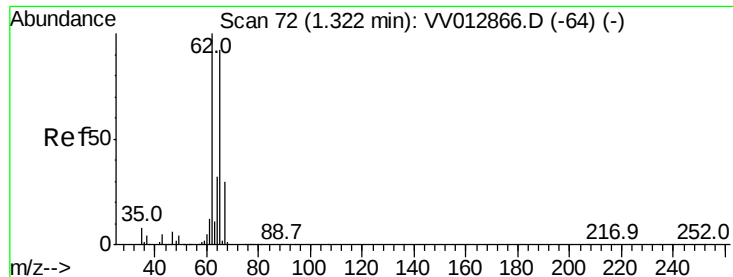
Tgt Ion: 50 Resp: 138553

Ion Ratio Lower Upper

50 100

52 32.3 22.8 42.4





#5

Vinyl chloride

Concen: 4.774 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV012869.D

Acq: 17 Sep 2019 17:35

Instrument :

MSVOA_V

ClientSampleId :

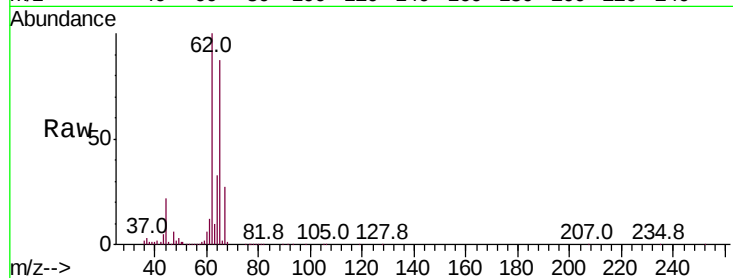
VICV33

Tot Ion: 62 Resp: 161019

Ion Ratio Lower Upper

62 100

64 32.7 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

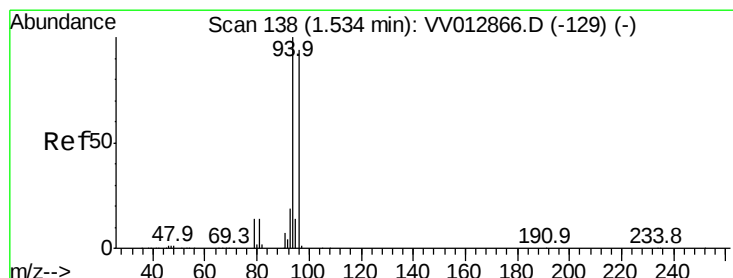
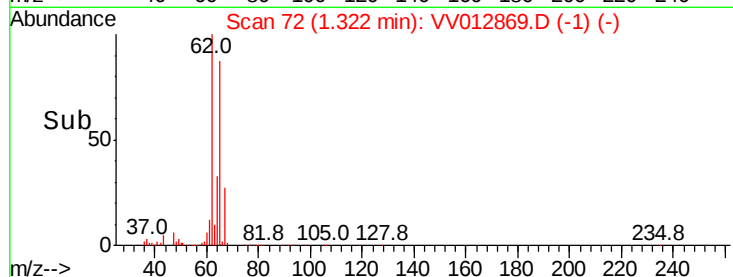
150000

100000

50000

0

Time--> 1.25 1.30 1.35 1.40 1.45



#6

Bromomethane

Concen: 4.913 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV012869.D

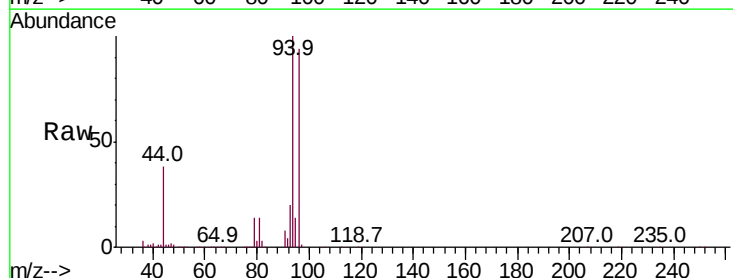
Acq: 17 Sep 2019 17:35

Tgt Ion: 94 Resp: 79662

Ion Ratio Lower Upper

94 100

96 94.1 65.6 121.8



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

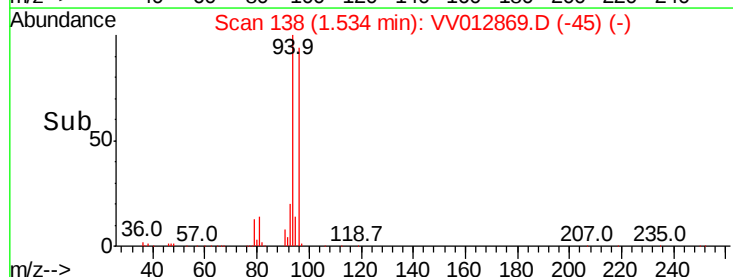
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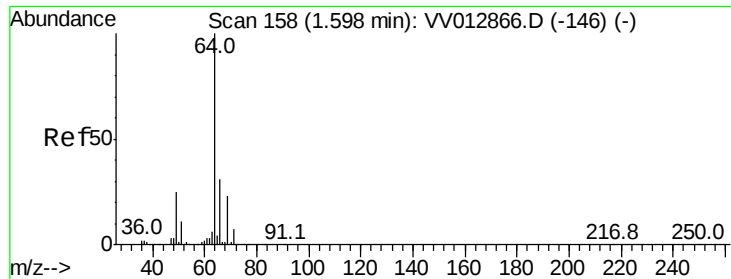
40000

20000

0

Time--> 1.50 1.55 1.60 1.65





#8

Chloroethane

Concen: 4.820 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV012869.D

Acq: 17 Sep 2019 17:35

Instrument :

MSVOA_V

ClientSampleId :

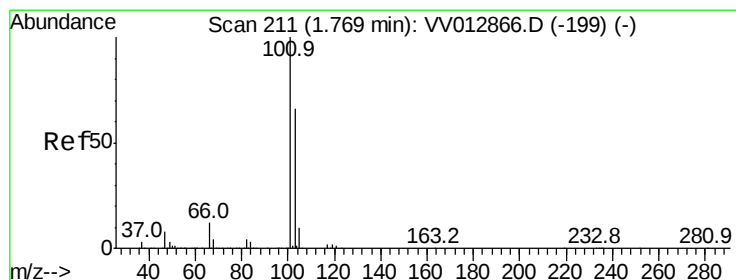
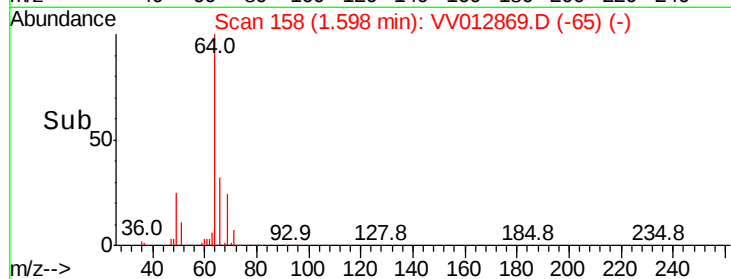
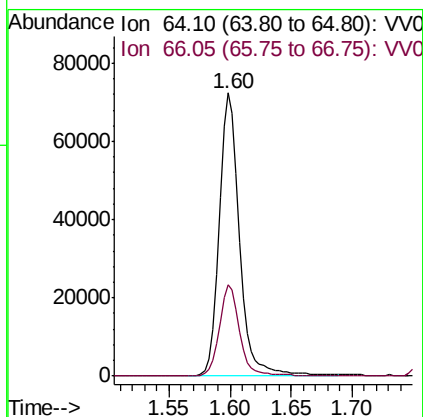
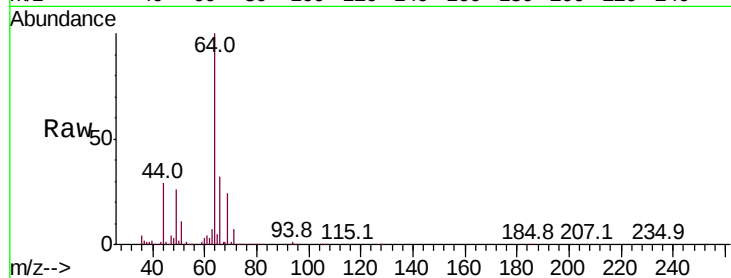
VICV33

Tot Ion: 64 Resp: 85404

Ion Ratio Lower Upper

64 100

66 32.1 22.0 40.8



#9

Trichlorofluoromethane

Concen: 4.762 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.00 min

Lab File: VV012869.D

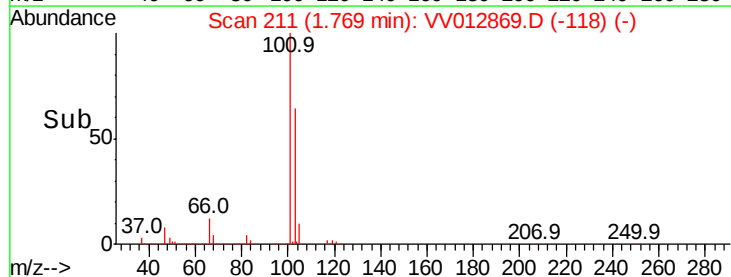
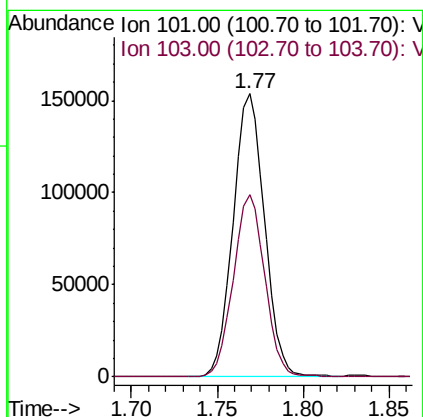
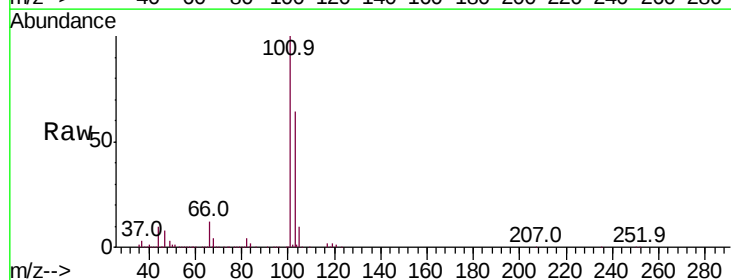
Acq: 17 Sep 2019 17:35

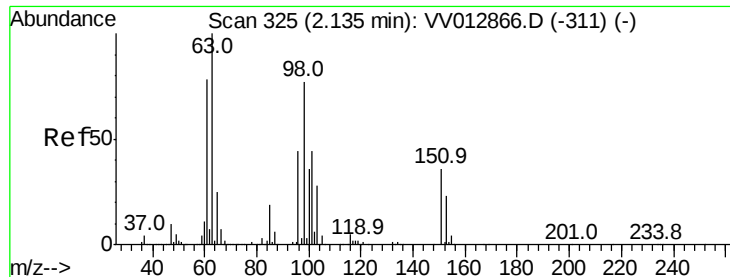
Tgt Ion: 101 Resp: 195423

Ion Ratio Lower Upper

101 100

103 64.8 52.3 78.5





#10

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

Concen: 4.753 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV012869.D

Acq: 17 Sep 2019 17:35

Instrument :

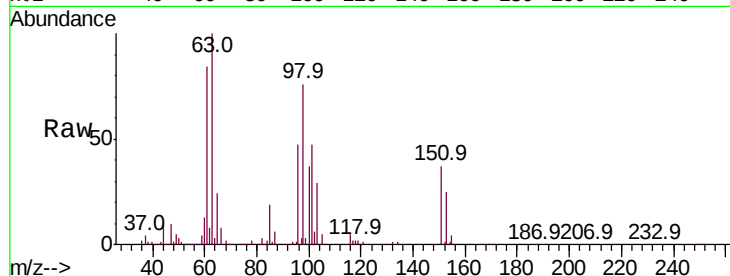
MSVOA_V

ClientSampleId :

VICV33

Tot Ion:101 Resp: 117065

Ion	Ratio	Lower	Upper
101	100		
85	40.6	33.5	50.3
151	79.8	64.0	96.0

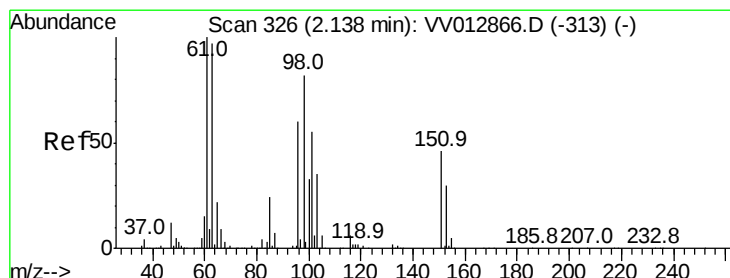
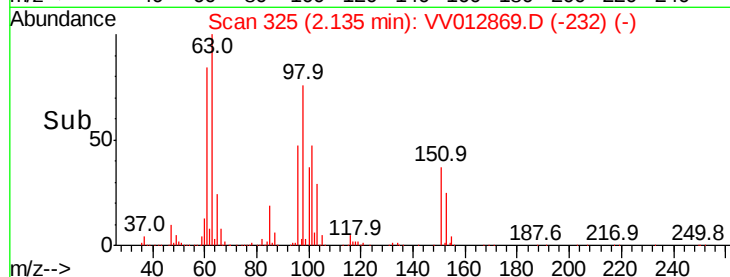
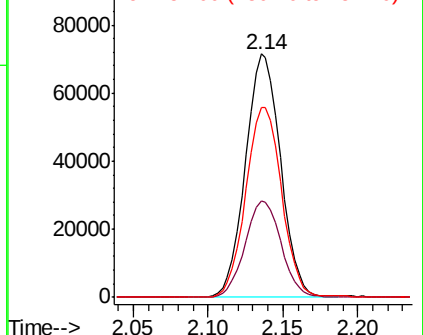


Abundance

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: 4.723 ug/L

RT: 2.14 min Scan# 326

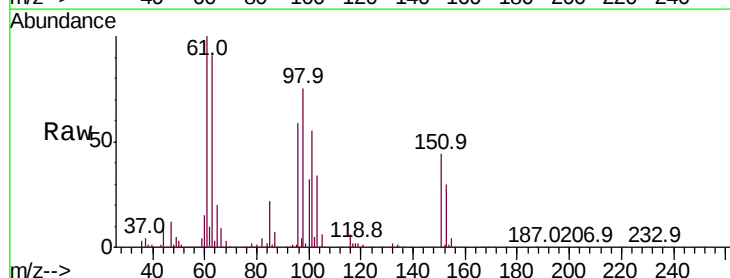
Delta R.T. 0.00 min

Lab File: VV012869.D

Acq: 17 Sep 2019 17:35

Tgt Ion: 96 Resp: 105760

Ion	Ratio	Lower	Upper
96	100		
61	170.1	116.1	215.5
63	155.1	113.3	210.3

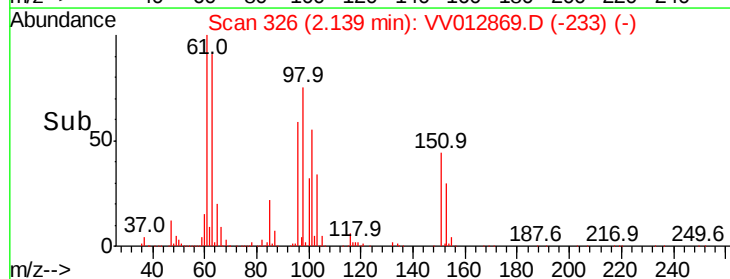
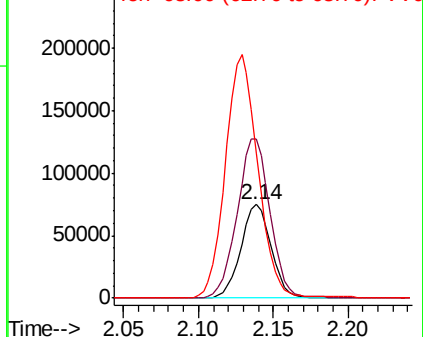


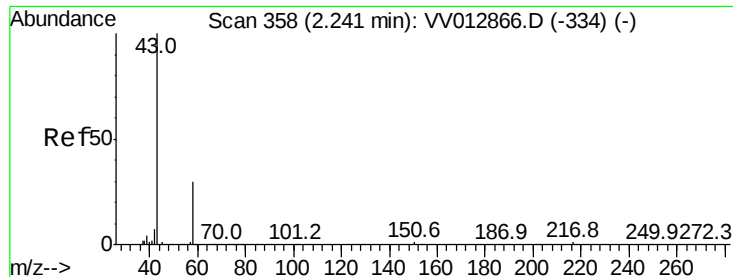
Abundance

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: 48.373 ug/L

RT: 2.24 min Scan# 357

Delta R.T. -0.00 min

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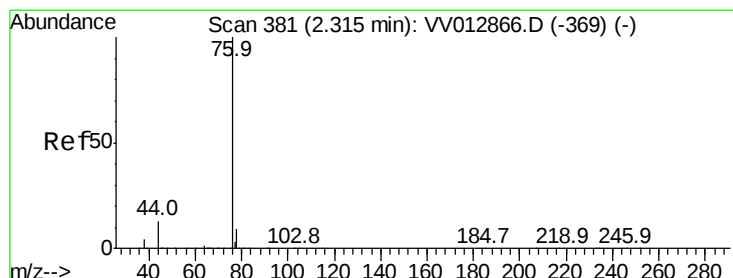
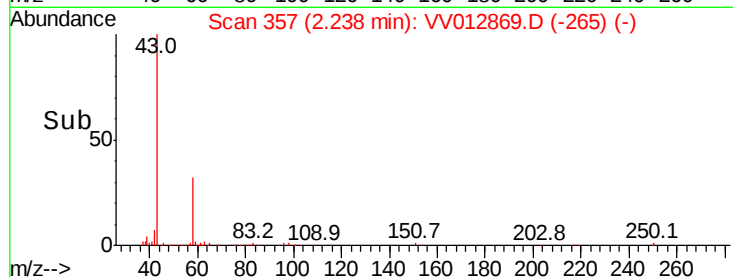
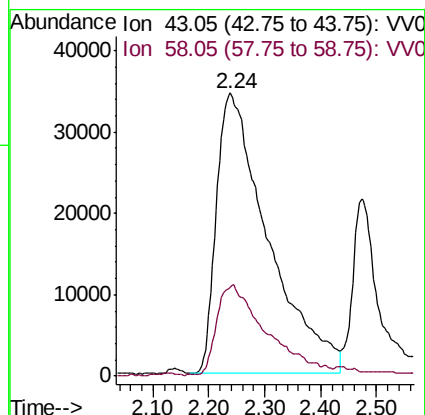
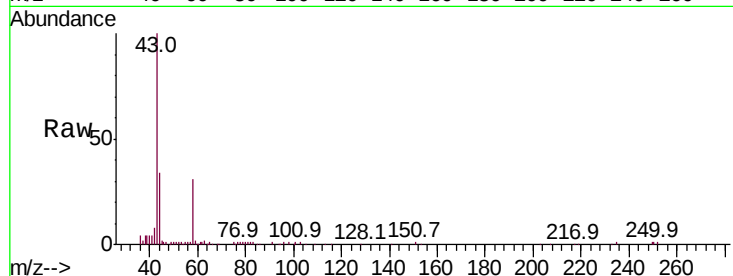
VICV33

Tot Ion: 43 Resp: 221600

Ion Ratio Lower Upper

43 100

58 30.5 0.0 24.4#



#14

Carbon disulfide

Concen: 4.872 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

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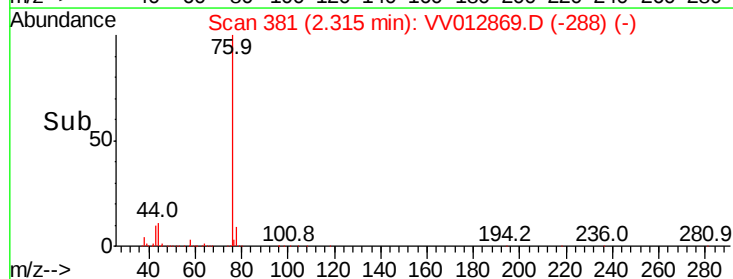
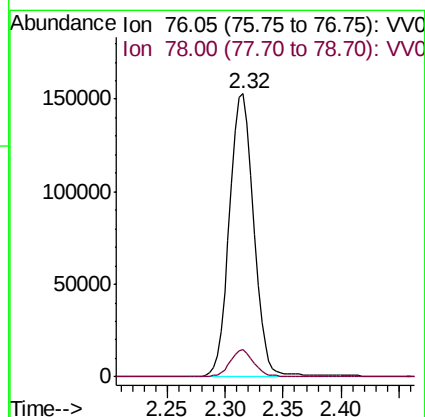
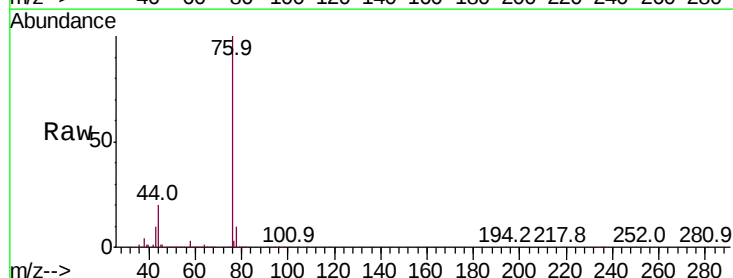
Acq: 17 Sep 2019 17:35

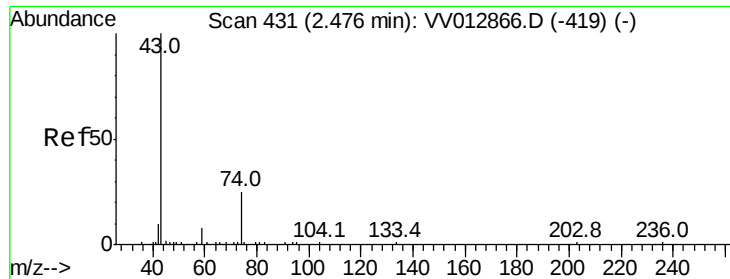
Tgt Ion: 76 Resp: 223500

Ion Ratio Lower Upper

76 100

78 9.5 7.6 11.4

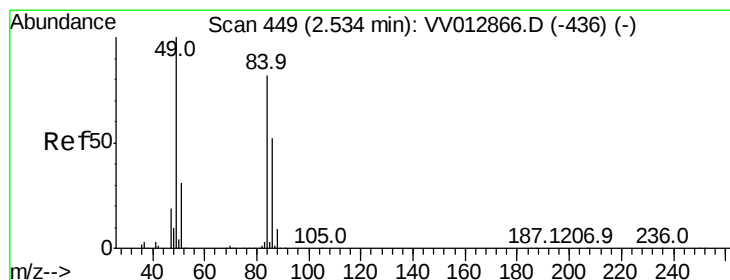
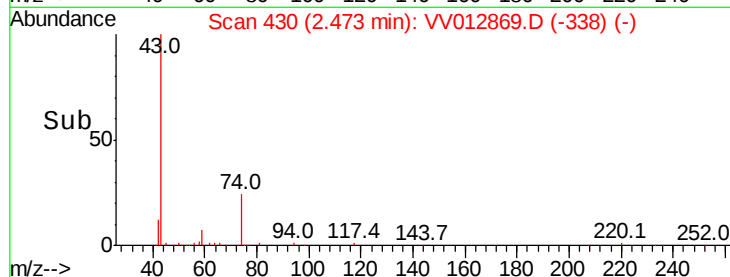
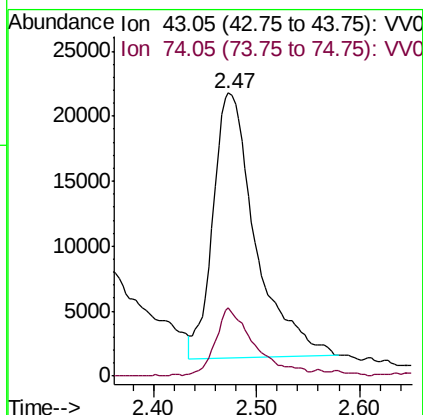
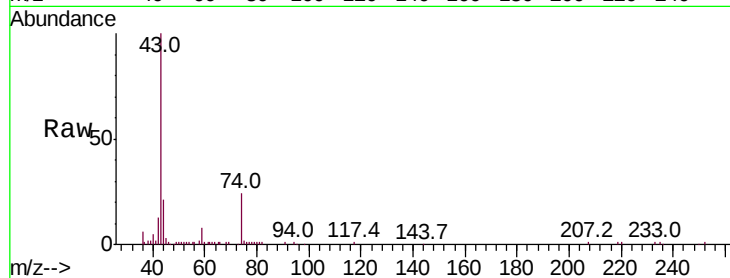




#15
Methyl Acetate
Concen: 4.914 ug/L
RT: 2.47 min Scan# 430
Delta R.T. -0.00 min
Lab File: VV012869.D
Acq: 17 Sep 2019 17:35

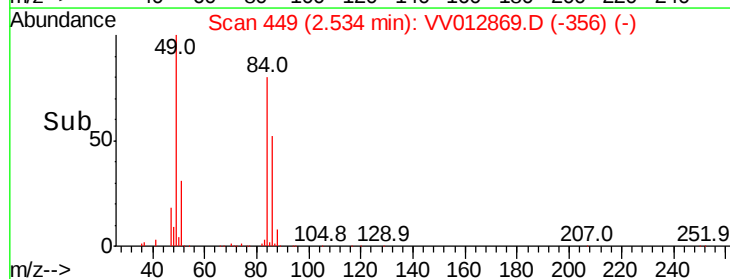
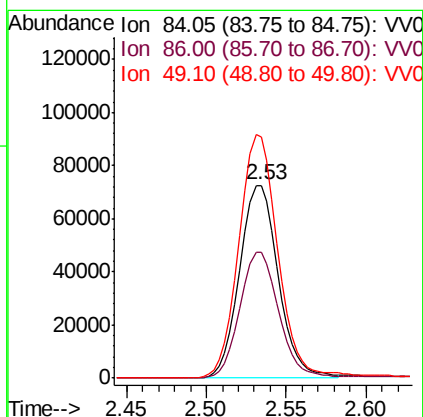
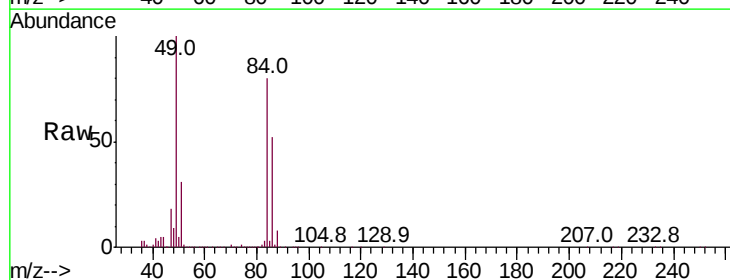
Instrument :
MSVOA_V
ClientSampleId :
VICV33

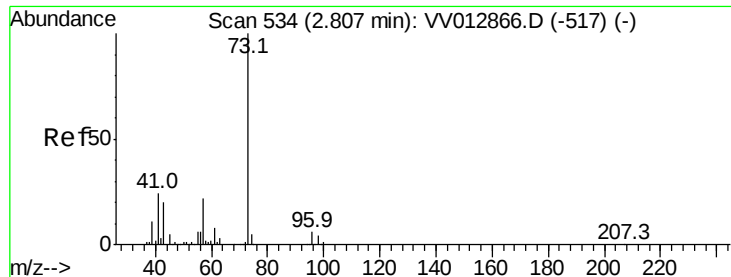
Tot Ion: 43 Resp: 58898
Ion Ratio Lower Upper
43 100
74 23.6 14.1 21.1#



#16
Methylene chloride
Concen: 4.340 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV012869.D
Acq: 17 Sep 2019 17:35

Tgt Ion: 84 Resp: 119509
Ion Ratio Lower Upper
84 100
86 65.0 44.8 83.2
49 125.2 85.9 159.5



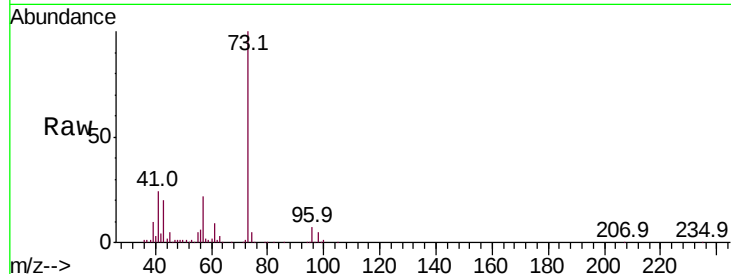


#17

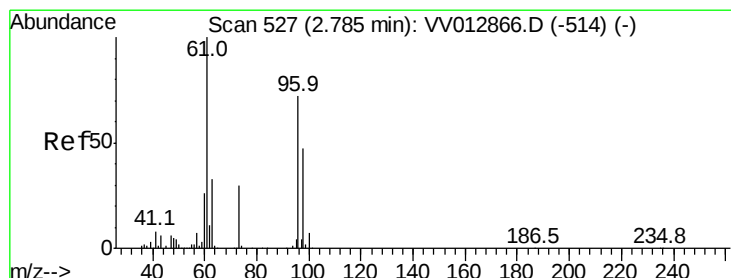
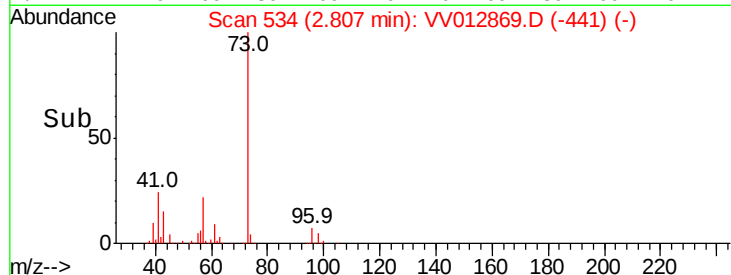
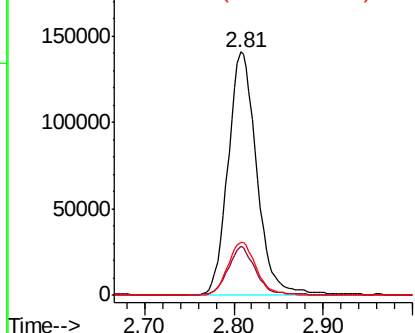
Methvl tert-butvl Ether
 Concen: 4.963 ug/L
 RT: 2.81 min Scan# 534
 Delta R.T. 0.00 min
 Lab File: VV012869.D
 Acq: 17 Sep 2019 17:35

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV33

Tot Ion: 73 Resp: 314321
 Ion Ratio Lower Upper
 73 100
 43 18.3 15.0 22.4
 57 21.5 17.9 26.9



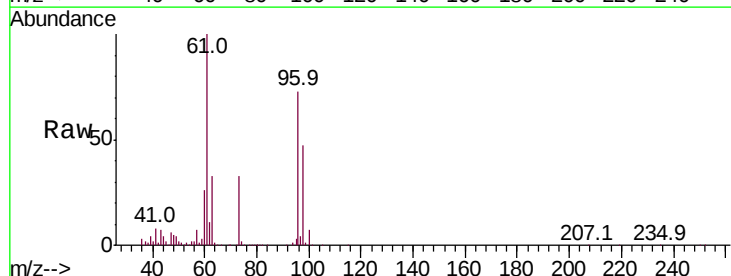
Abundance Ion 73.10 (72.80 to 73.80): VV0
 Ion 43.05 (42.75 to 43.75): VV0
 Ion 57.10 (56.80 to 57.80): VV0



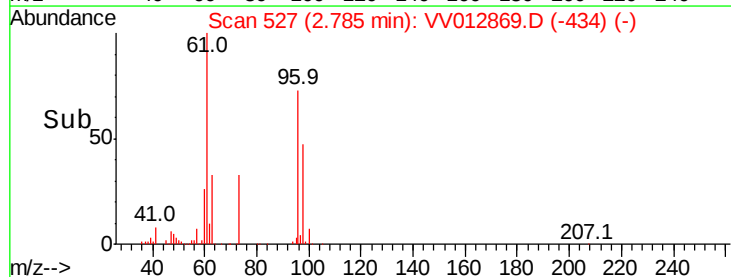
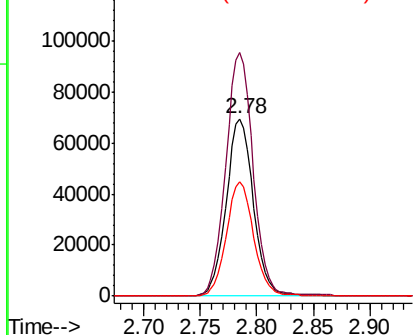
#18

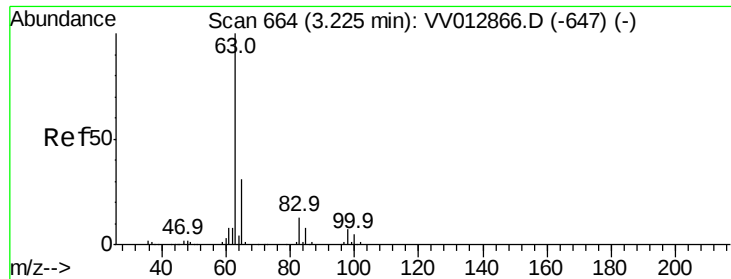
trans-1,2-Dichloroethene
 Concen: 4.709 ug/L
 RT: 2.78 min Scan# 527
 Delta R.T. 0.00 min
 Lab File: VV012869.D
 Acq: 17 Sep 2019 17:35

Tgt Ion: 96 Resp: 117198
 Ion Ratio Lower Upper
 96 100
 61 137.0 96.8 179.8
 98 64.1 45.2 84.0



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





#19

1,1-Dichloroethane

Concen: 4.815 ug/L

RT: 3.23 min Scan# 664

Delta R.T. 0.00 min

Lab File: VV012869.D

Acq: 17 Sep 2019 17:35

Instrument :

MSVOA_V

ClientSampleId :

VICV33

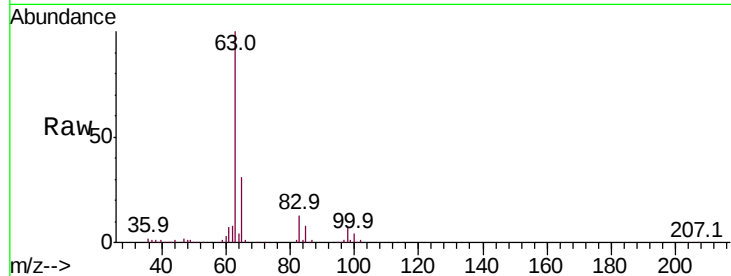
Tot Ion: 63 Resp: 247288

Ion Ratio Lower Upper

63 100

65 30.7 22.0 41.0

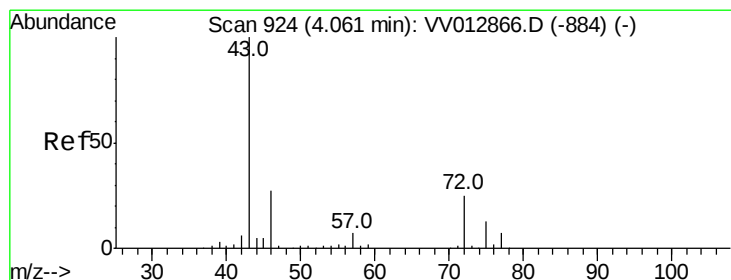
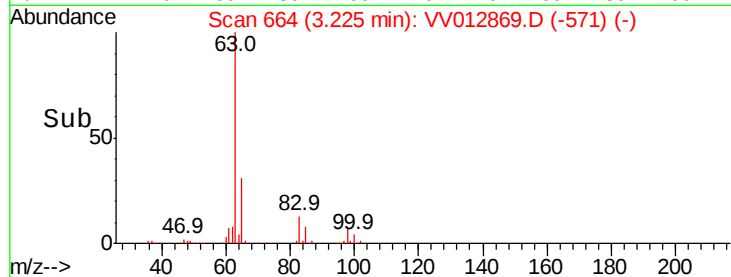
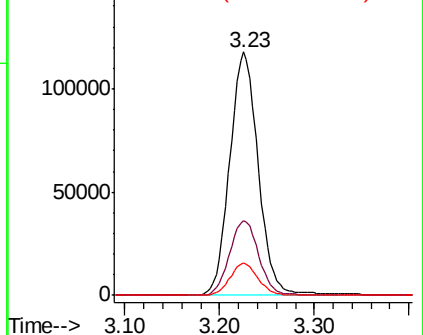
83 13.2 9.2 17.0



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0



#21

2-Butanone

Concen: 52.919 ug/L

RT: 4.06 min Scan# 924

Delta R.T. 0.00 min

Lab File: VV012869.D

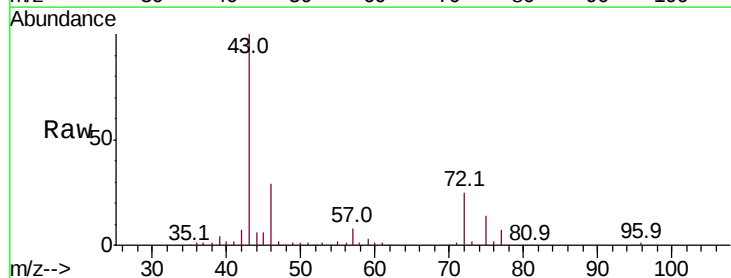
Acq: 17 Sep 2019 17:35

Tgt Ion: 43 Resp: 398269

Ion Ratio Lower Upper

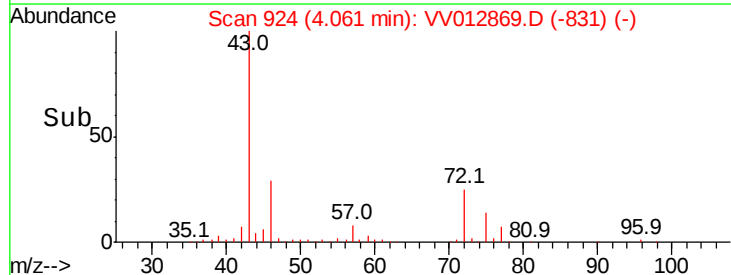
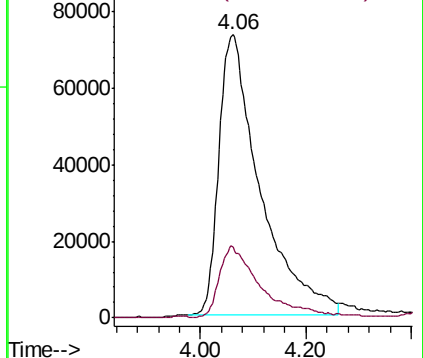
43 100

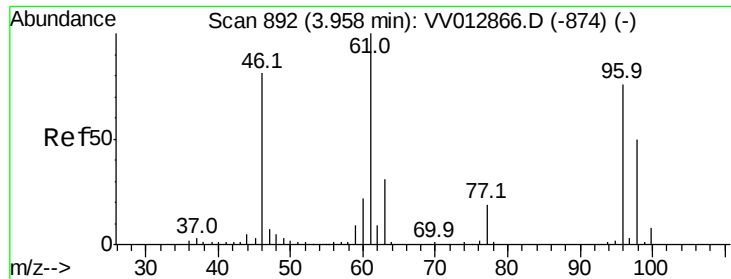
72 24.8 10.4 31.2



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 72.10 (71.80 to 72.80): VV0



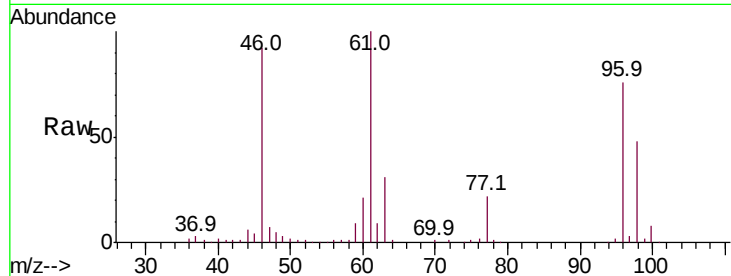


#22

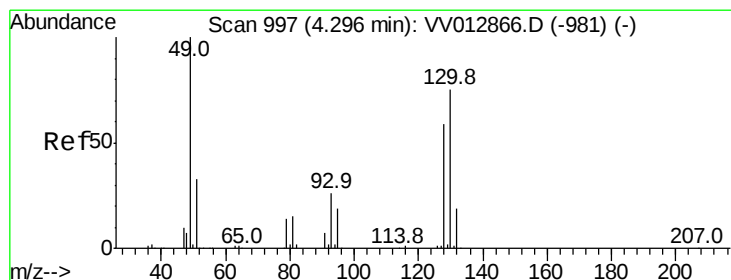
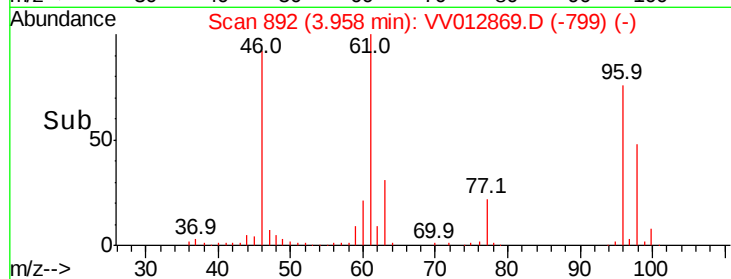
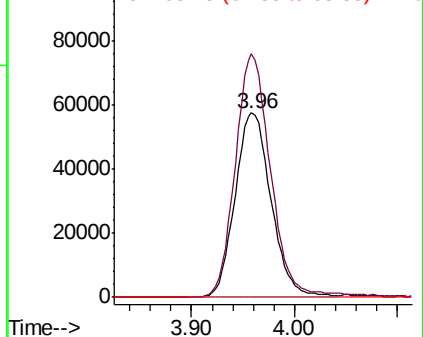
cis-1,2-Dichloroethene
Concen: 4.999 ug/L
RT: 3.96 min Scan# 892
Delta R.T. 0.00 min
Lab File: VV012869.D
Acq: 17 Sep 2019 17:35

Instrument :
MSVOA_V
ClientSampleId :
VICV33

Tot Ion: 96 Resp: 139802
Ion Ratio Lower Upper
96 100
61 132.2 91.8 170.6
68 0.0 0.0 0.0



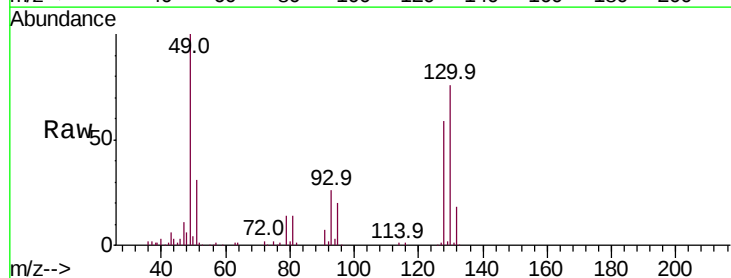
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



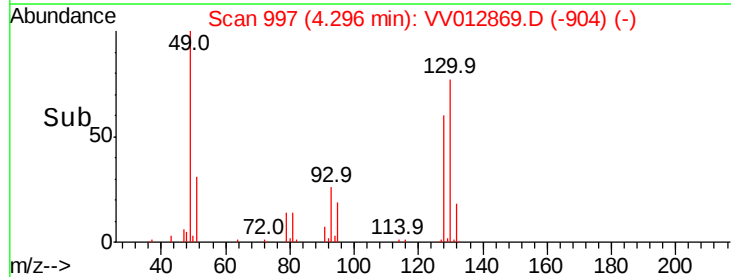
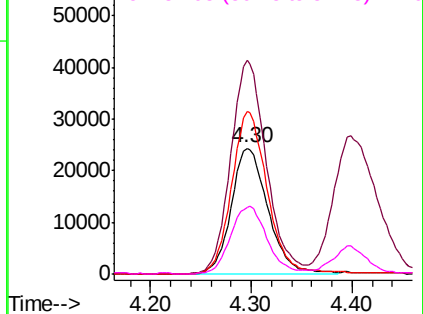
#23

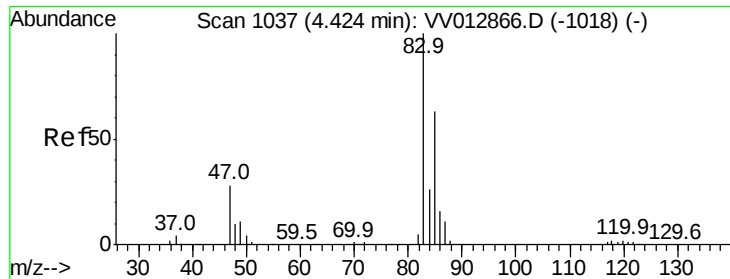
Bromochloromethane
Concen: 4.983 ug/L
RT: 4.30 min Scan# 997
Delta R.T. 0.00 min
Lab File: VV012869.D
Acq: 17 Sep 2019 17:35

Tgt Ion: 128 Resp: 61709
Ion Ratio Lower Upper
128 100
49 169.8 119.6 222.0
130 129.5 89.8 166.8
51 53.1 45.8 68.6



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

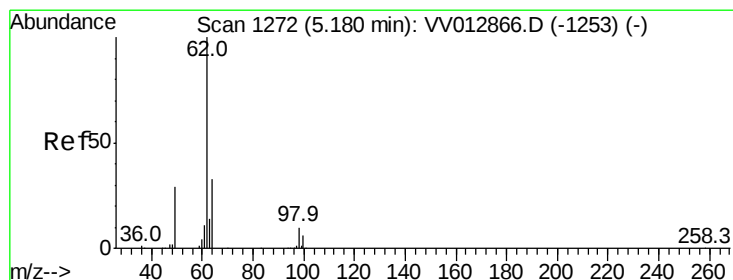
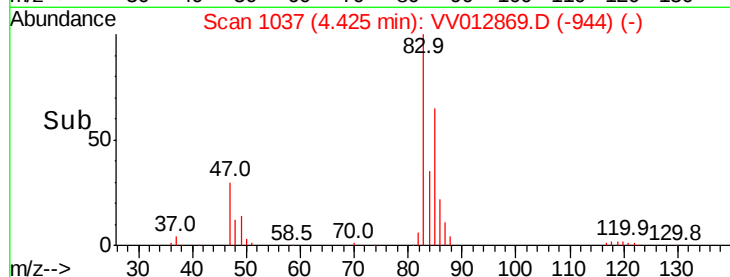
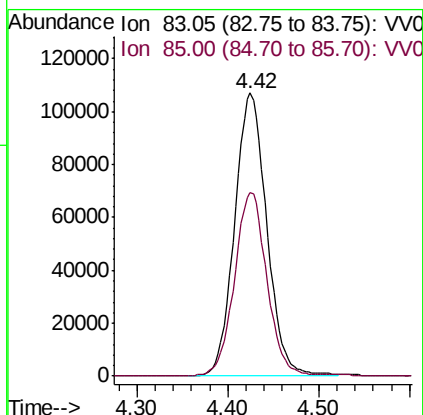
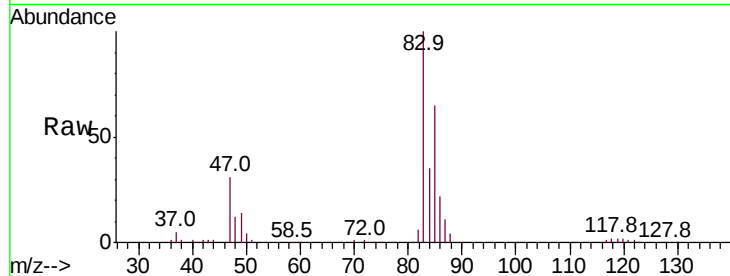




#25
Chloroform
Concen: 4.548 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV012869.D
Acq: 17 Sep 2019 17:35

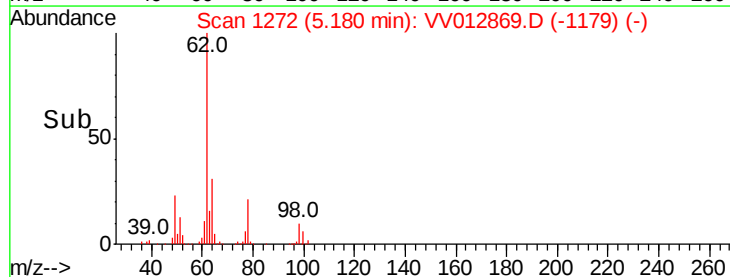
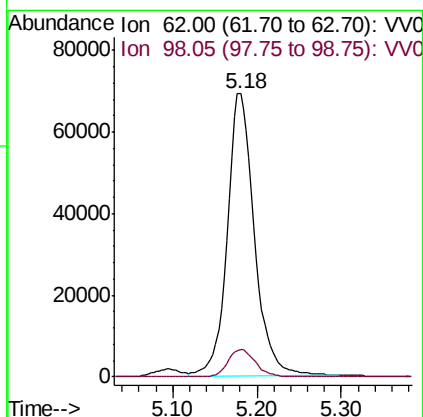
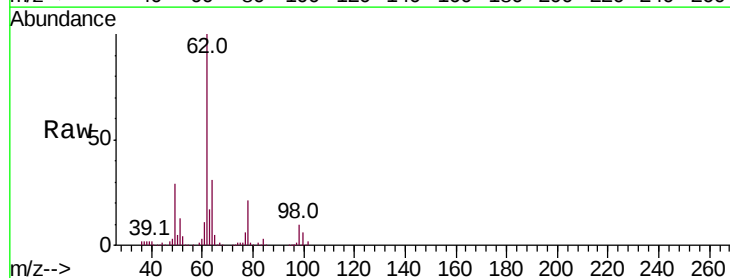
Instrument :
MSVOA_V
ClientSampleId :
VICV33

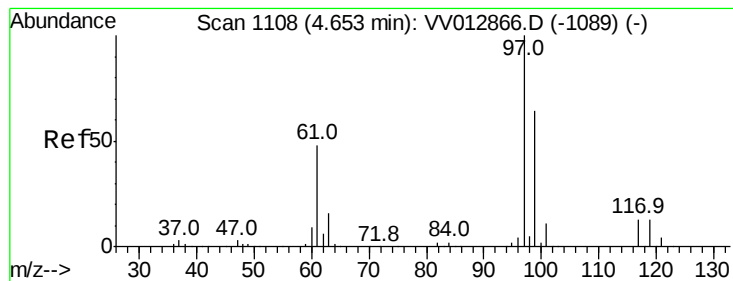
Tot Ion: 83 Resp: 263165
Ion Ratio Lower Upper
83 100
85 64.7 44.4 82.5



#27
1,2-Dichloroethane
Concen: 5.038 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV012869.D
Acq: 17 Sep 2019 17:35

Tgt Ion: 62 Resp: 155030
Ion Ratio Lower Upper
62 100
98 9.6 7.8 11.8





#29

1,1,1-Trichloroethane

Concen: 4.778 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VV012869.D

Acq: 17 Sep 2019 17:35

Instrument :

MSVOA_V

ClientSampleId :

VICV33

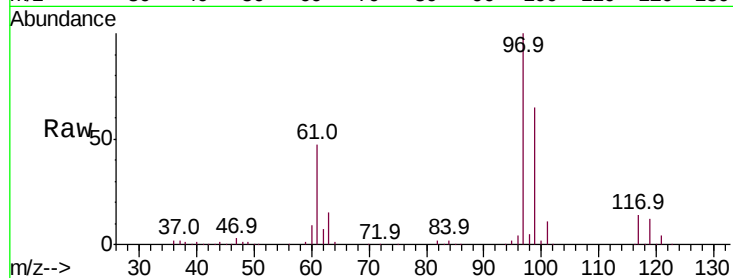
Tot Ion: 97 Resp: 202805

Ion Ratio Lower Upper

97 100

99 64.9 50.9 76.3

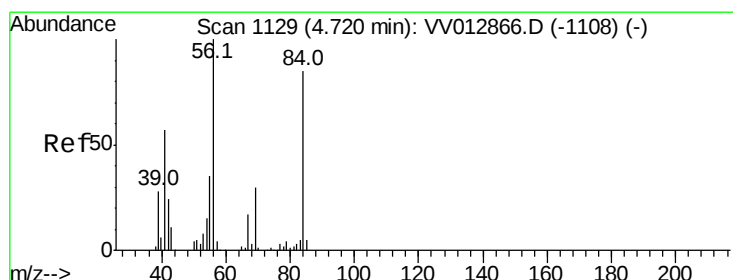
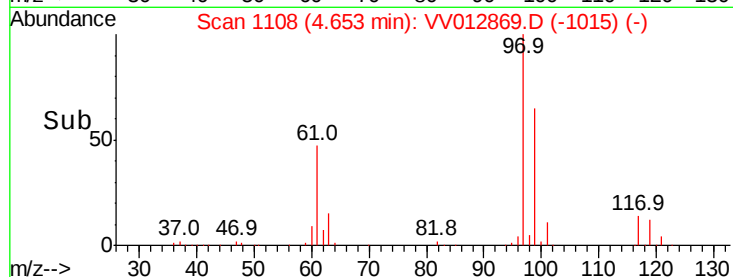
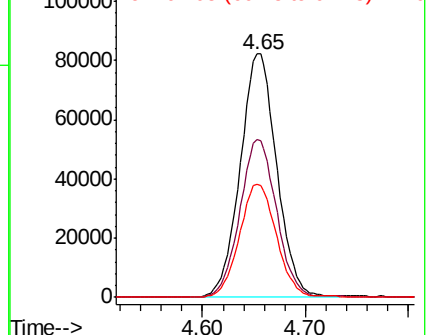
61 47.1 38.2 57.2



Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0



#30

Cyclohexane

Concen: 5.077 ug/L

RT: 4.72 min Scan# 1129

Delta R.T. 0.00 min

Lab File: VV012869.D

Acq: 17 Sep 2019 17:35

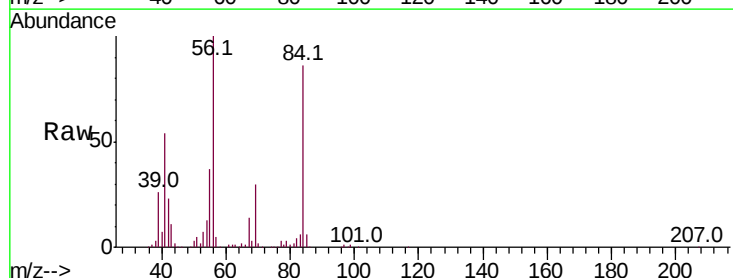
Tgt Ion: 56 Resp: 179742

Ion Ratio Lower Upper

56 100

69 29.8 24.4 36.6

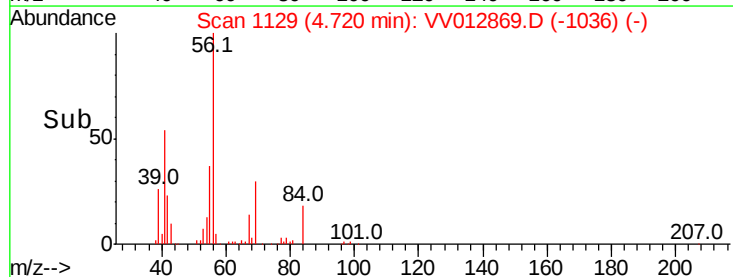
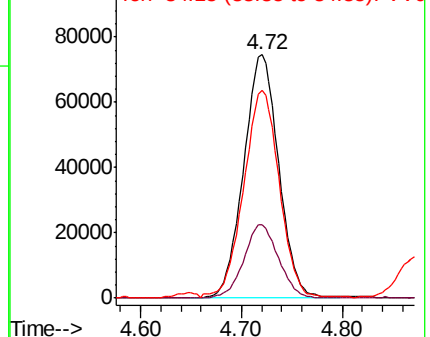
84 87.2 69.3 103.9

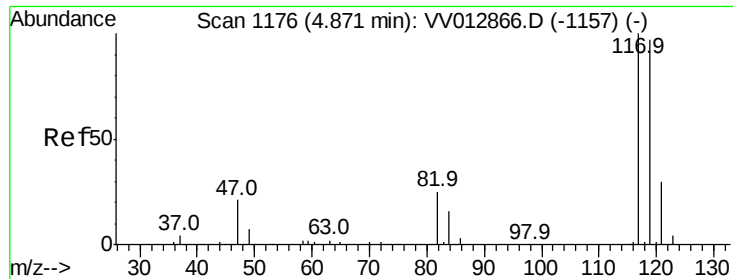


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0

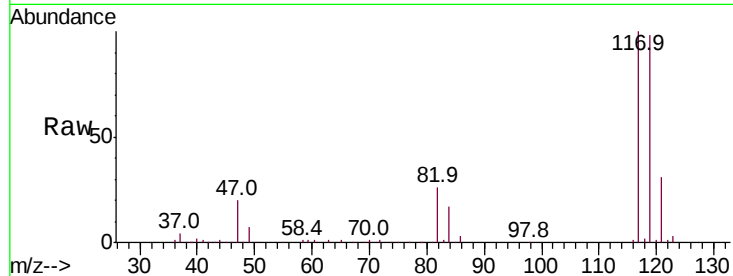




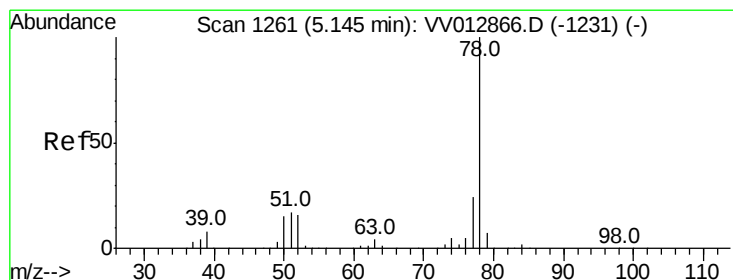
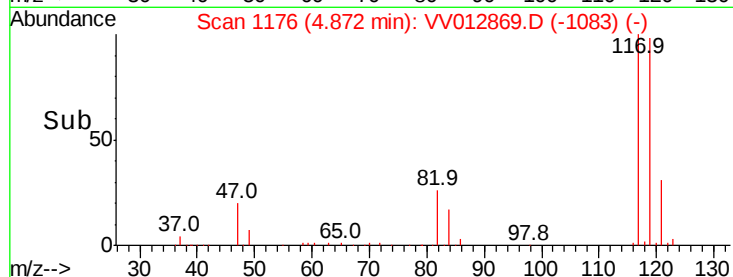
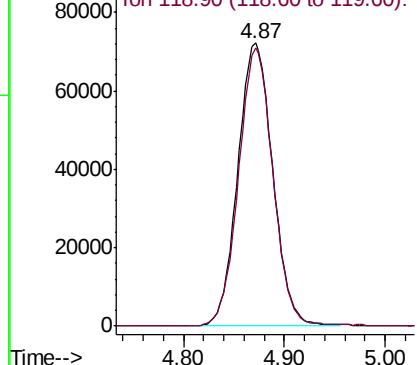
#31
Carbon tetrachloride
Concen: 4.818 ug/L
RT: 4.87 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VV012869.D
Acq: 17 Sep 2019 17:35

Instrument :
MSVOA_V
ClientSampleId :
VICV33

Tot Ion:117 Resp: 173226
Ion Ratio Lower Upper
117 100
119 96.4 75.6 113.4

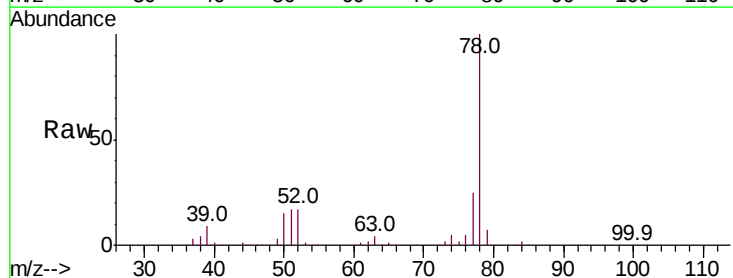


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V

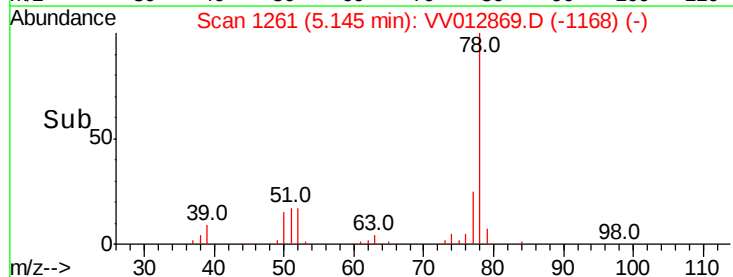
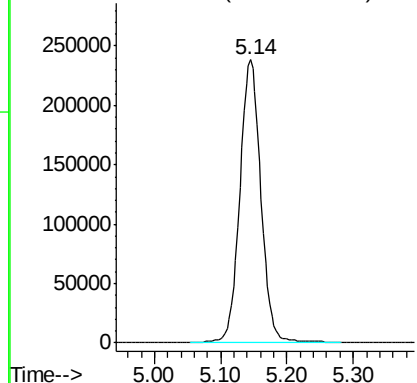


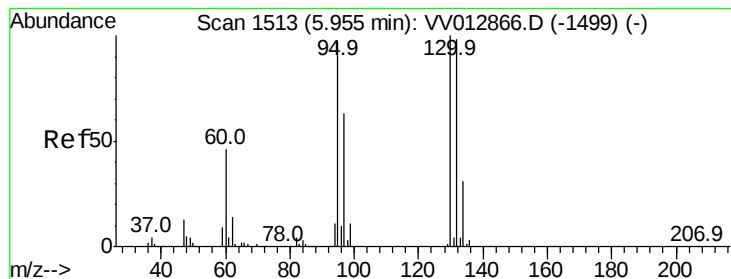
#33
Benzene
Concen: 4.983 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VV012869.D
Acq: 17 Sep 2019 17:35

Tgt Ion: 78 Resp: 528248



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.950 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV012869.D

Acq: 17 Sep 2019 17:35

Instrument :

MSVOA_V

ClientSampled :

VICV33

Tot Ion: 95 Resp: 135156

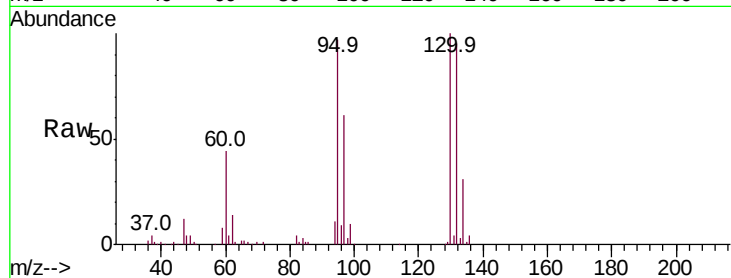
Ion Ratio Lower Upper

95 100

97 63.3 45.3 84.1

132 98.2 70.6 131.0

130 103.3 71.8 133.4

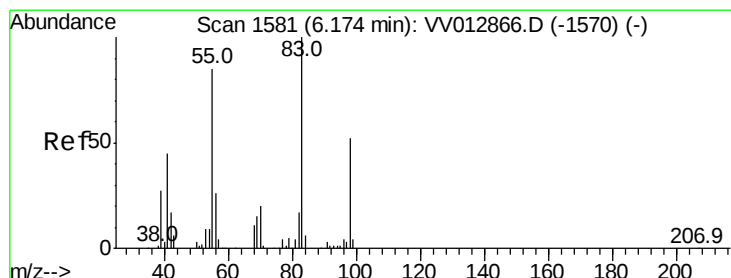
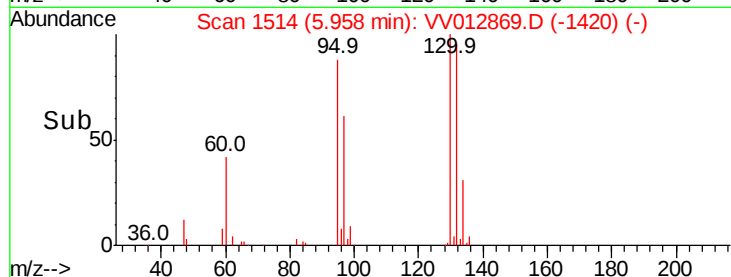
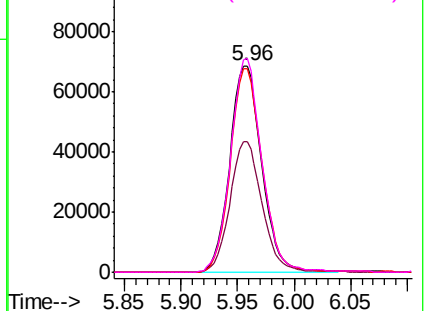


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 5.020 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV012869.D

Acq: 17 Sep 2019 17:35

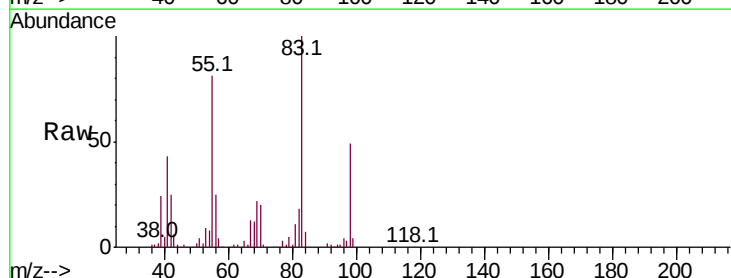
Tgt Ion: 83 Resp: 183957

Ion Ratio Lower Upper

83 100

55 79.1 63.8 95.6

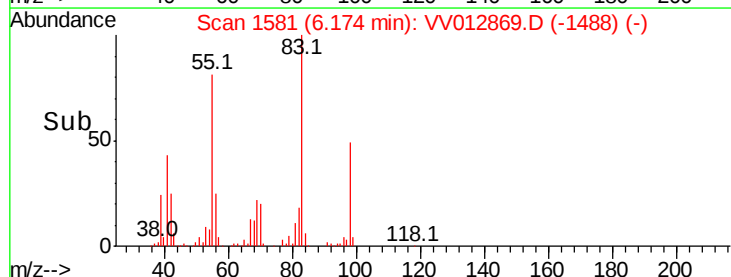
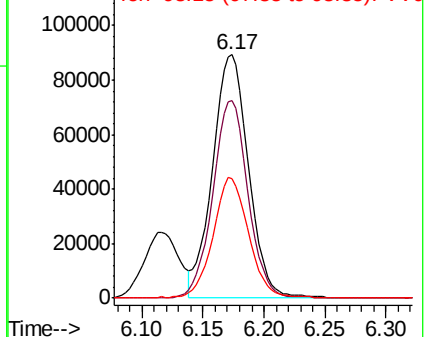
98 47.7 38.2 57.4

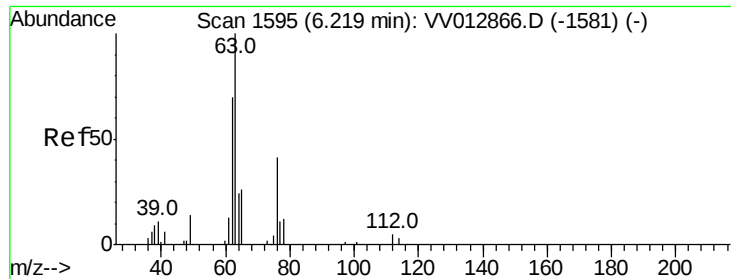


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

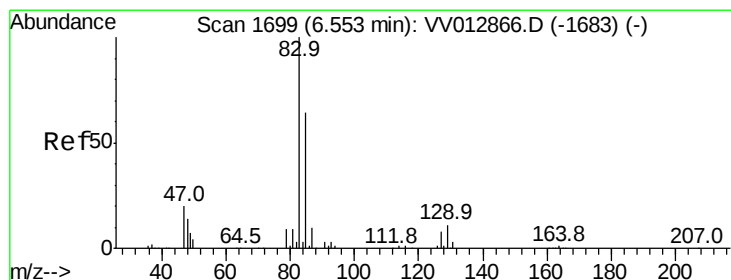
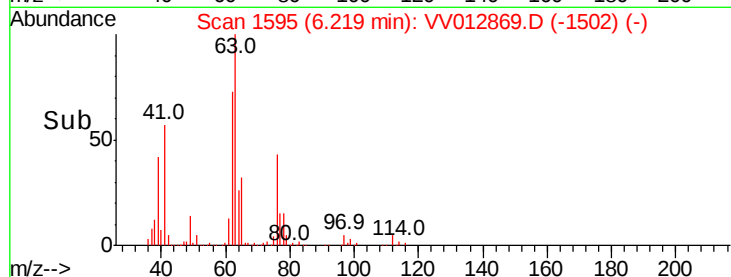
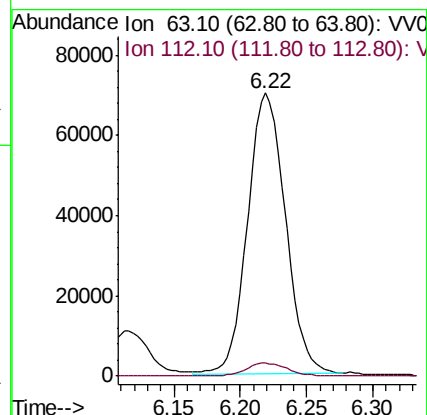
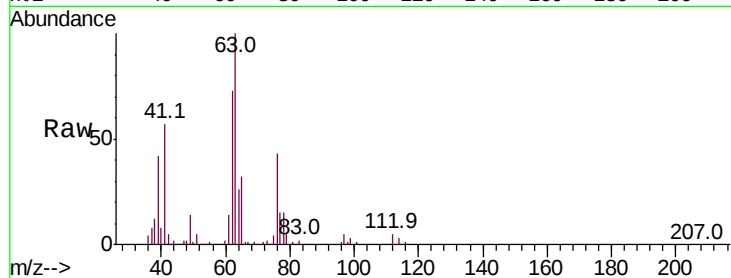




#37
 1,2-Dichloropropane
 Concen: 4.818 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV012869.D
 Acq: 17 Sep 2019 17:35

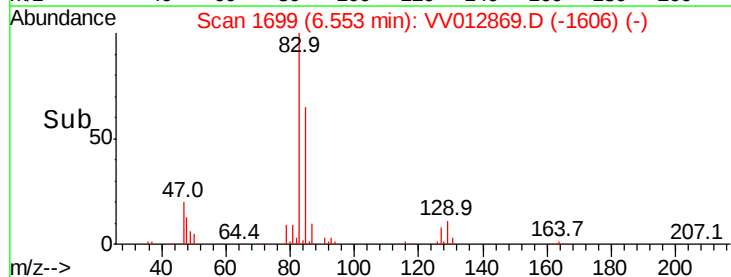
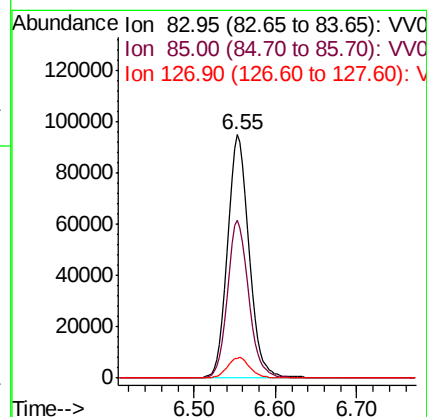
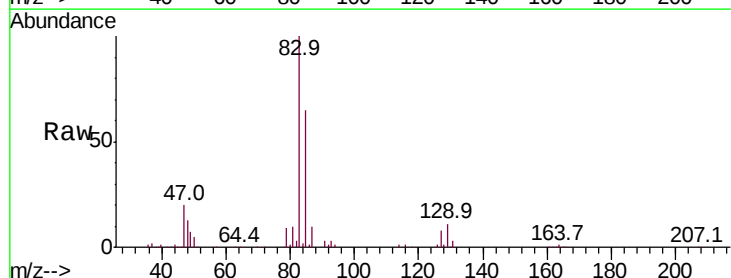
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV33

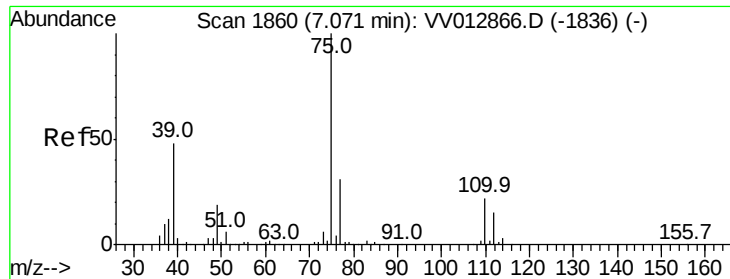
Tot Ion: 63 Resp: 139158
 Ion Ratio Lower Upper
 63 100
 112 5.2 3.8 5.6



#38
 Bromodichloromethane
 Concen: 4.739 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV012869.D
 Acq: 17 Sep 2019 17:35

Tgt Ion: 83 Resp: 178161
 Ion Ratio Lower Upper
 83 100
 85 64.7 44.9 83.5
 127 8.2 6.8 10.2

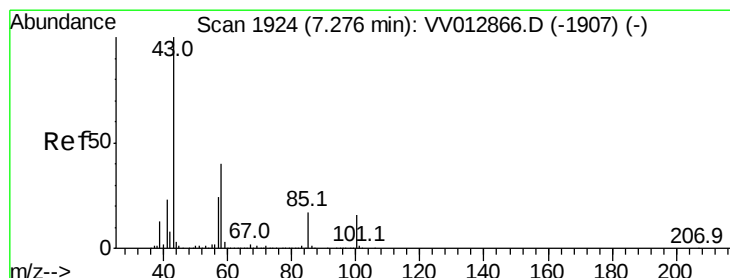
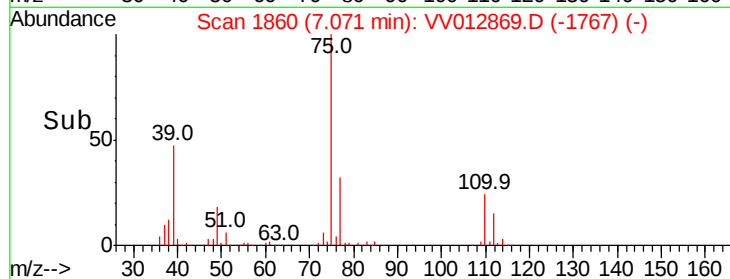
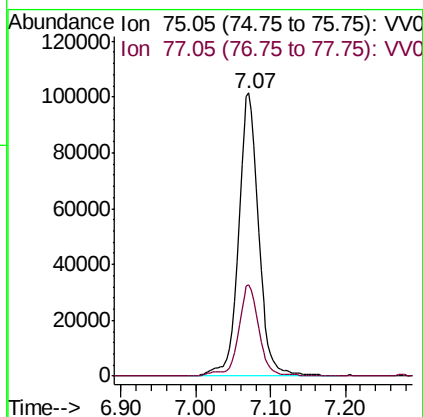
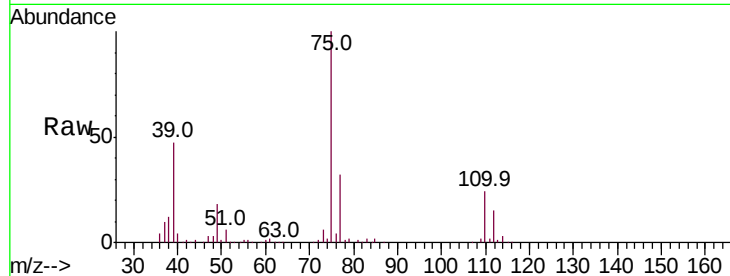




#39
 cis-1,3-Dichloropropene
 Concen: 4.966 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV012869.D
 Acq: 17 Sep 2019 17:35

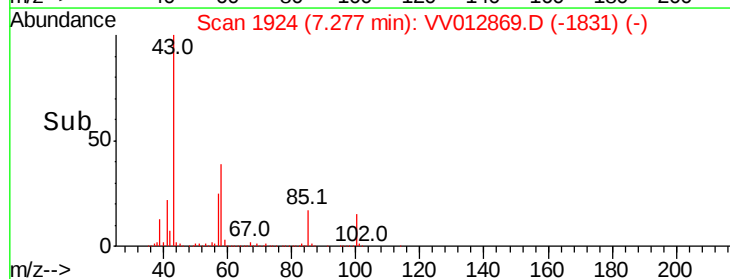
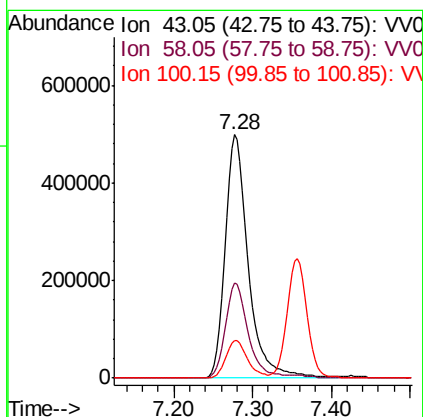
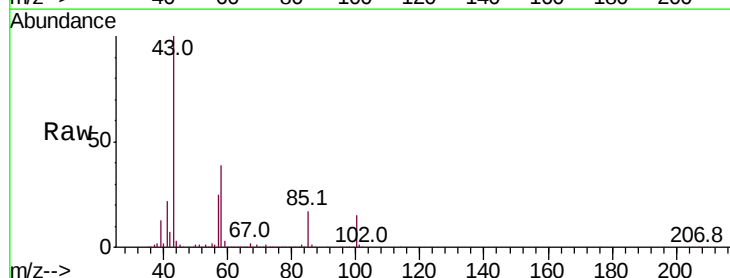
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV33

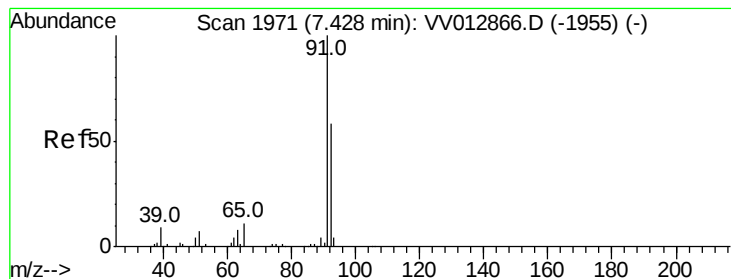
Tot Ion: 75 Resp: 190023
 Ion Ratio Lower Upper
 75 100
 77 32.4 21.6 40.0



#40
 4-Methyl-2-pentanone
 Concen: 54.210 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV012869.D
 Acq: 17 Sep 2019 17:35

Tgt Ion: 43 Resp: 1008340
 Ion Ratio Lower Upper
 43 100
 58 38.1 30.8 46.2
 100 14.6 11.8 17.6





#42

Toluene

Concen: 5.168 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV012869.D

Acq: 17 Sep 2019 17:35

Instrument :

MSVOA_V

ClientSampleId :

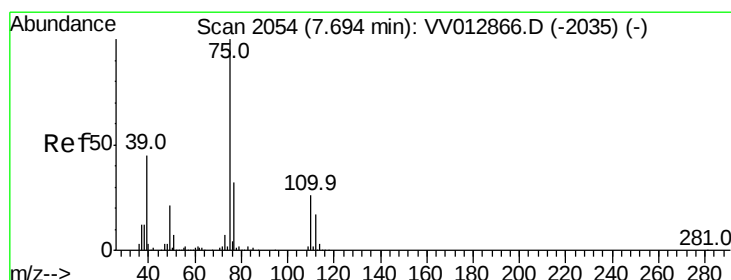
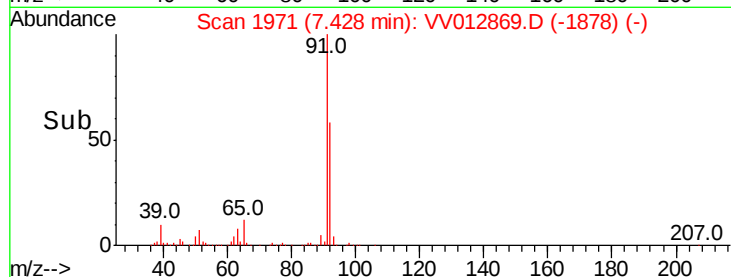
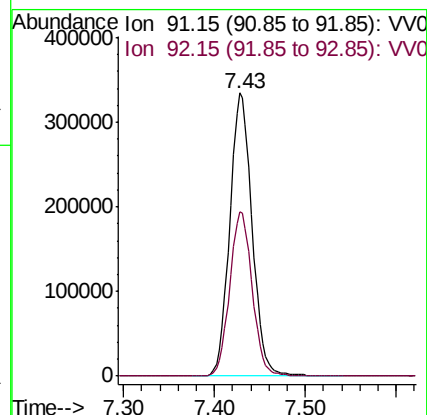
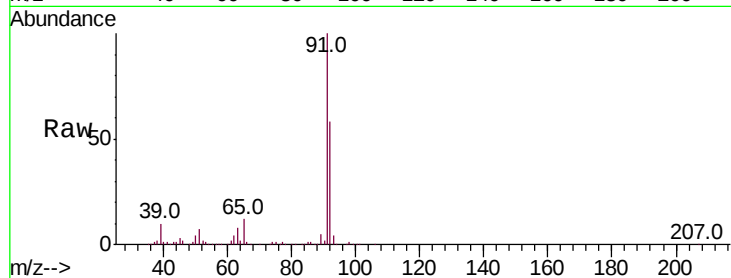
VICV33

Tot Ion: 91 Resp: 570348

Ion Ratio Lower Upper

91 100

92 58.2 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 5.020 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV012869.D

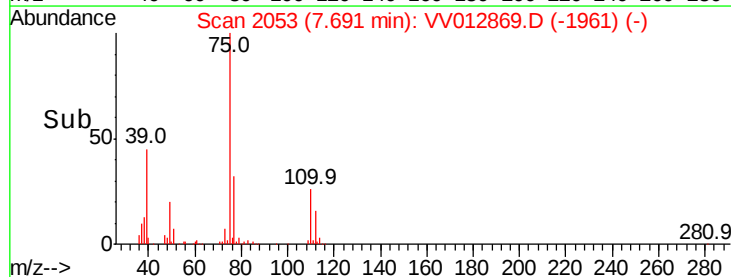
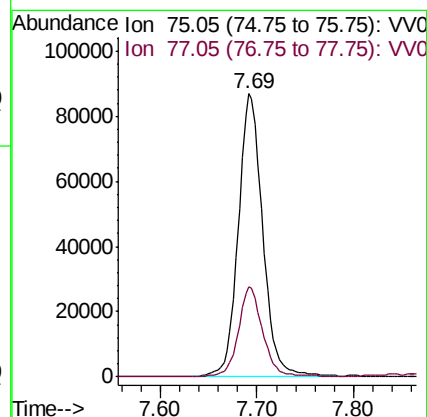
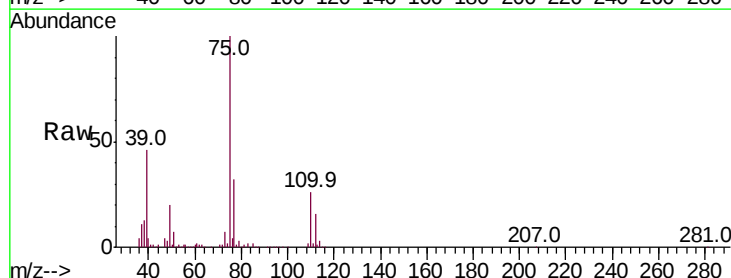
Acq: 17 Sep 2019 17:35

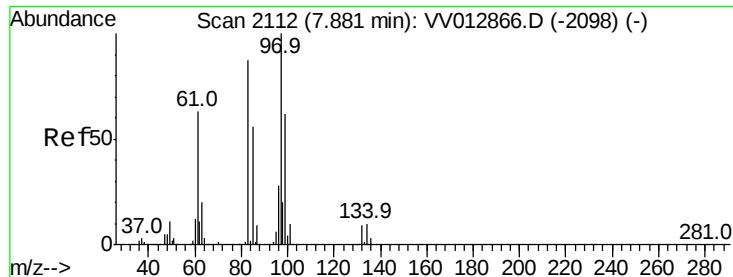
Tgt Ion: 75 Resp: 153405

Ion Ratio Lower Upper

75 100

77 31.9 22.5 41.7

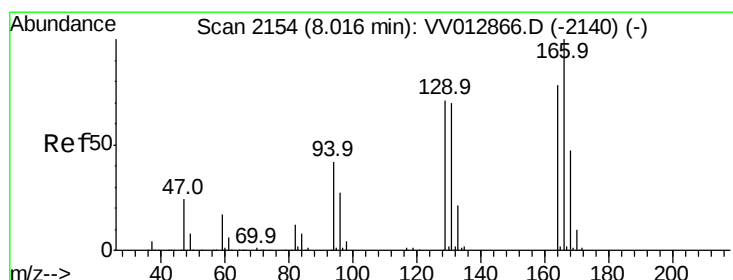
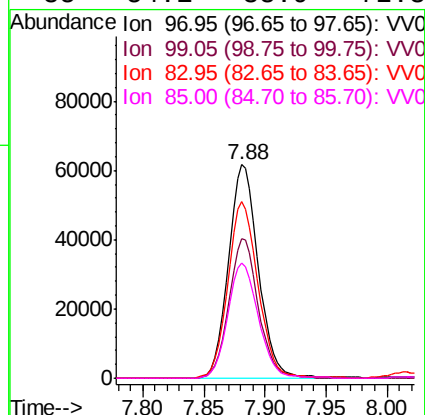
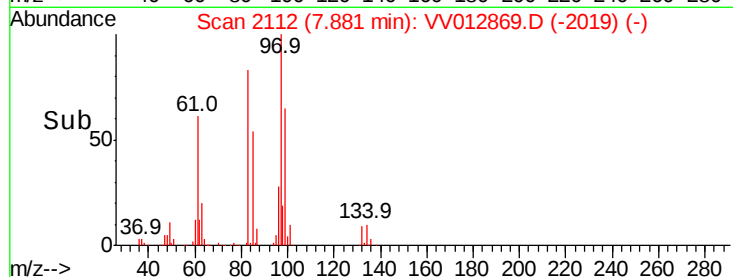
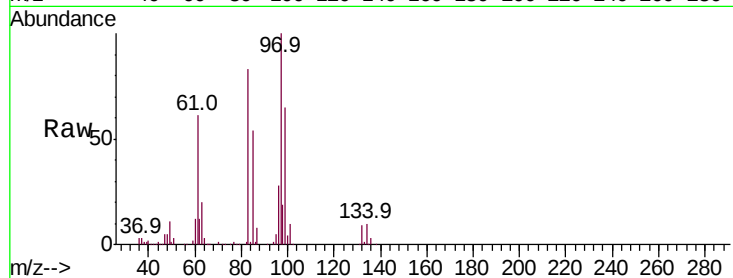




#45
 1,1,2-Trichloroethane
 Concen: 4.898 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV012869.D
 Acq: 17 Sep 2019 17:35

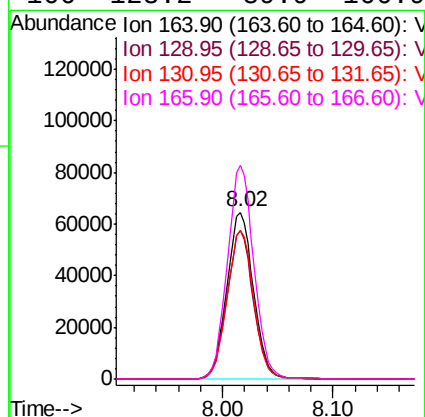
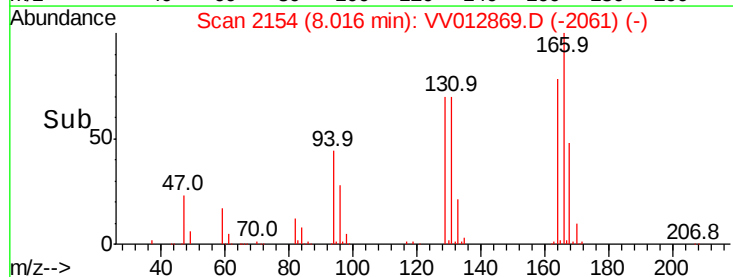
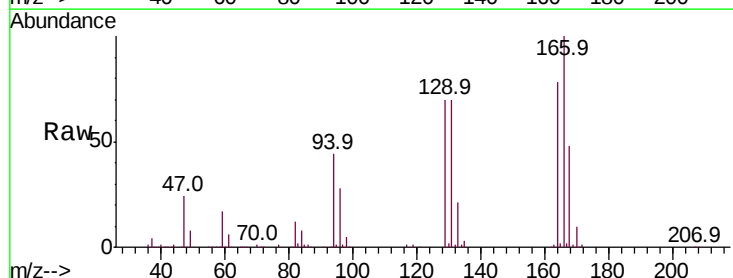
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV33

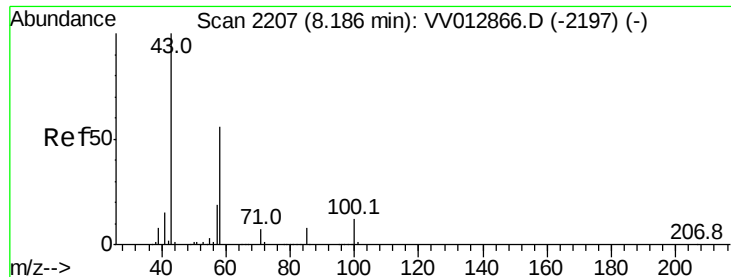
Tot Ion:	97	Resp:	106034
Ion	Ratio	Lower	Upper
97	100		
99	65.3	43.7	81.1
83	82.5	60.6	112.6
85	54.1	38.9	72.3



#47
 Tetrachloroethene
 Concen: 4.921 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV012869.D
 Acq: 17 Sep 2019 17:35

Tgt Ion:	164	Resp:	107982
Ion	Ratio	Lower	Upper
164	100		
129	89.1	63.8	118.6
131	89.3	63.1	117.3
166	128.2	89.9	166.9

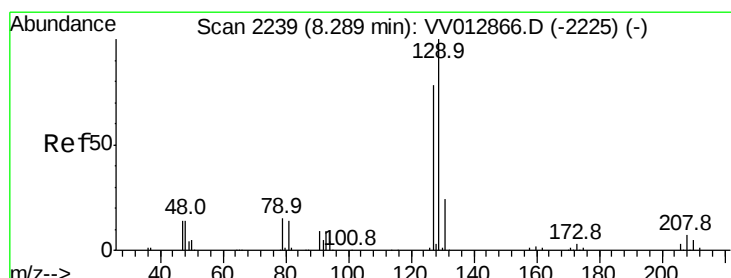
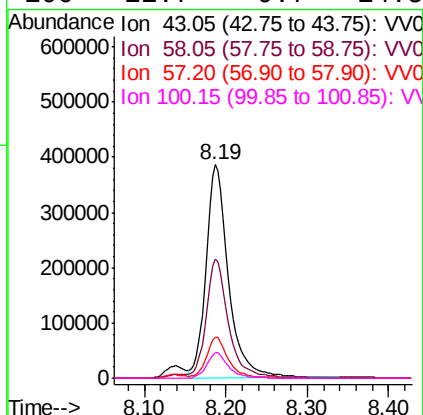
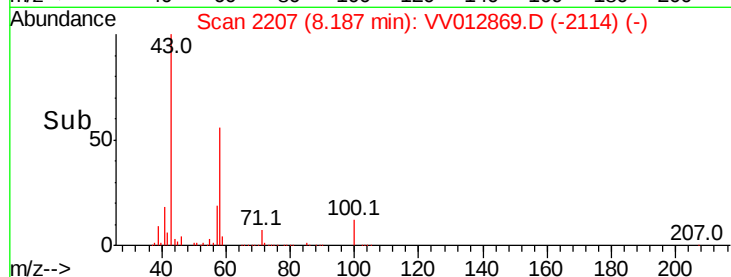
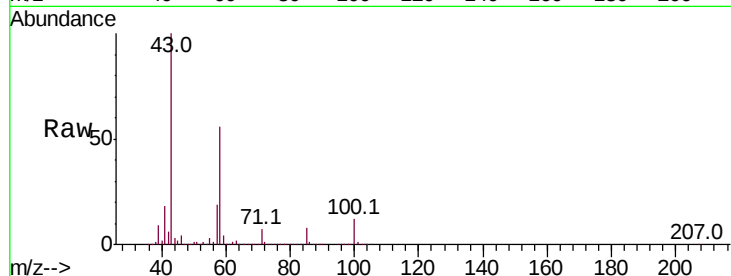




#48
2-Hexanone
Concen: 55.404 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV012869.D
Acq: 17 Sep 2019 17:35

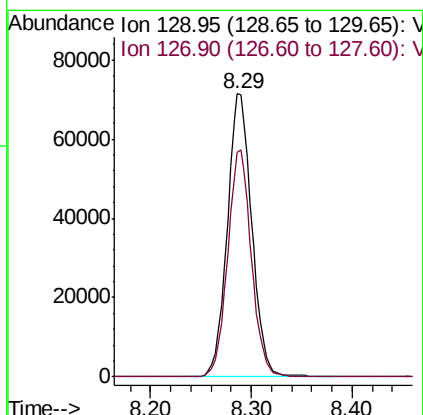
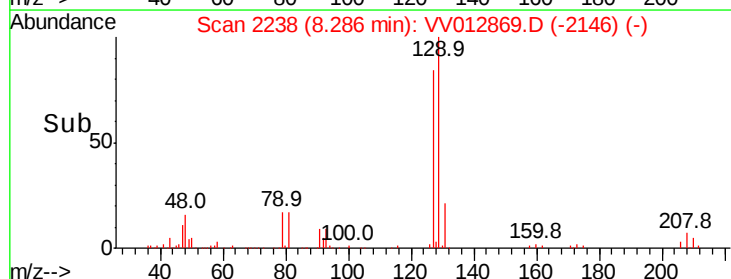
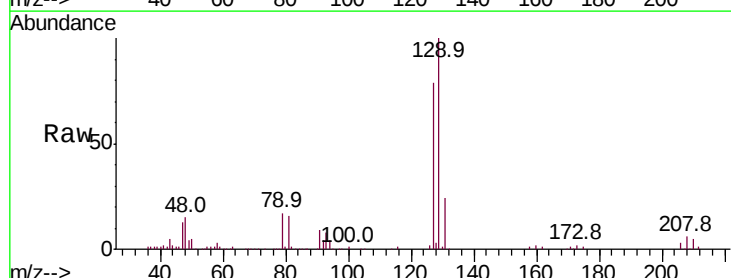
Instrument :
MSVOA_V
ClientSampleId :
VICV33

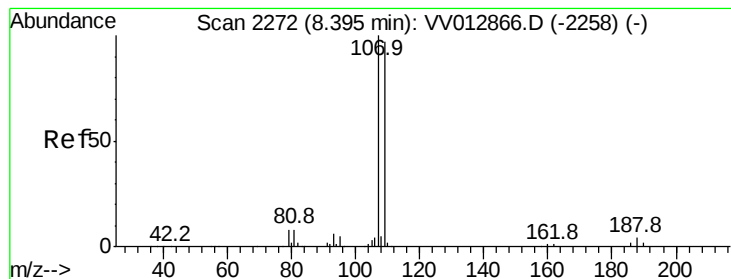
Tot Ion: 43 Resp: 744618
Ion Ratio Lower Upper
43 100
58 55.7 44.5 66.7
57 19.0 15.0 22.6
100 11.7 9.7 14.5



#49
Dibromochloromethane
Concen: 4.911 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. -0.00 min
Lab File: VV012869.D
Acq: 17 Sep 2019 17:35

Tgt Ion: 129 Resp: 121053
Ion Ratio Lower Upper
129 100
127 79.2 54.7 101.7





#50

1,2-Dibromoethane

Concen: 5.124 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VV012869.D

Acq: 17 Sep 2019 17:35

Instrument :

MSVOA_V

ClientSampleId :

VICV33

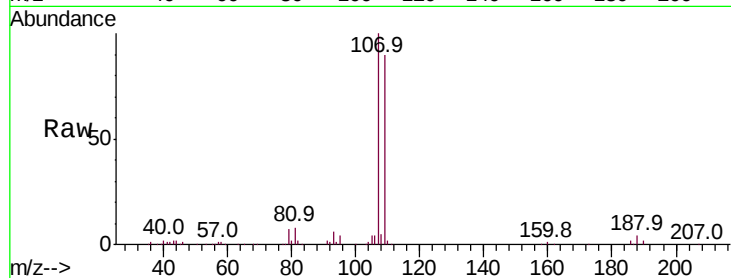
Tot Ion:107 Resp: 92317

Ion Ratio Lower Upper

107 100

109 90.1 68.0 126.2

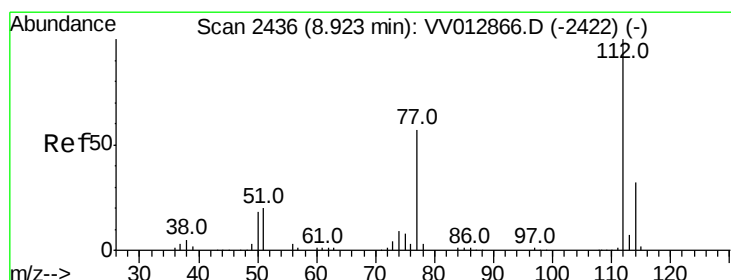
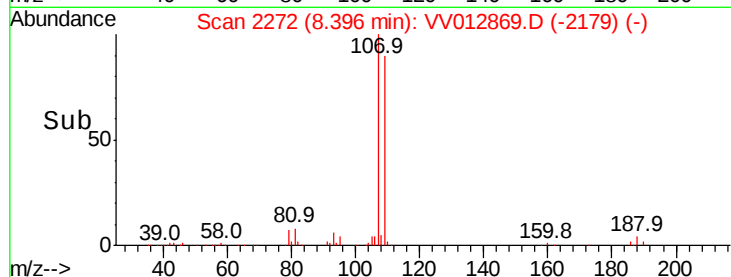
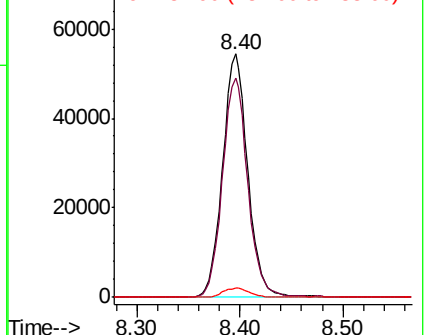
188 3.8 3.2 4.8



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: 5.002 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. 0.00 min

Lab File: VV012869.D

Acq: 17 Sep 2019 17:35

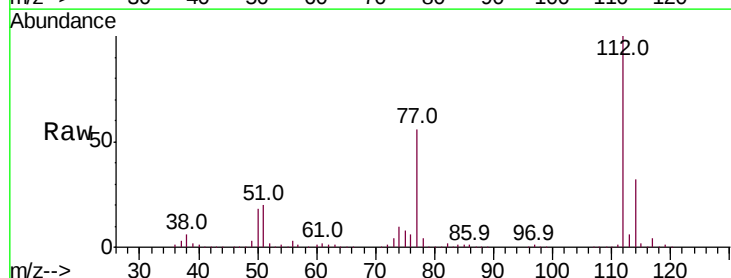
Tgt Ion:112 Resp: 378795

Ion Ratio Lower Upper

112 100

114 31.7 22.3 41.5

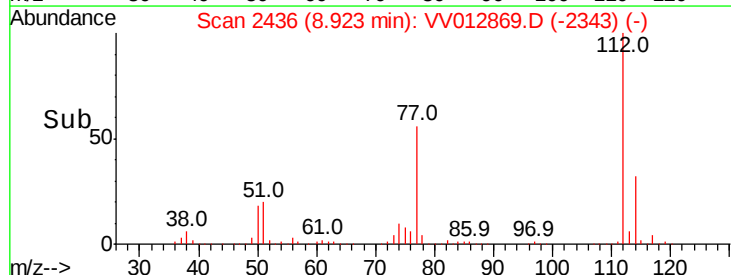
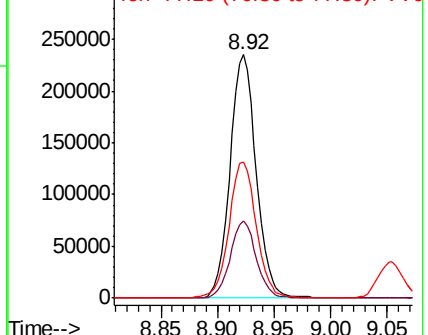
77 55.9 45.8 68.8

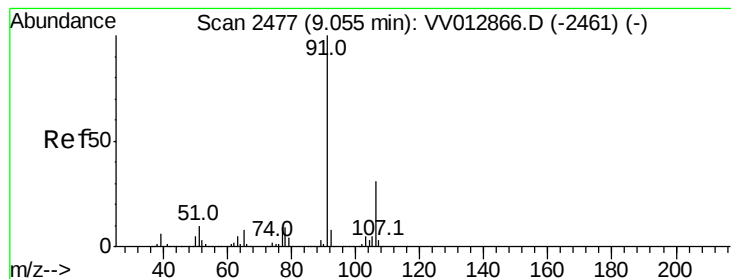


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 5.136 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. -0.00 min

Lab File: VV012869.D

Acq: 17 Sep 2019 17:35

Instrument :

MSVOA_V

ClientSampled :

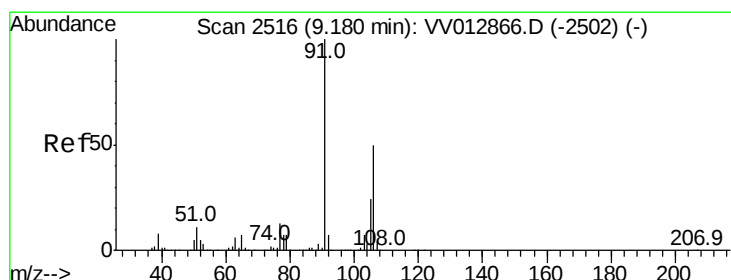
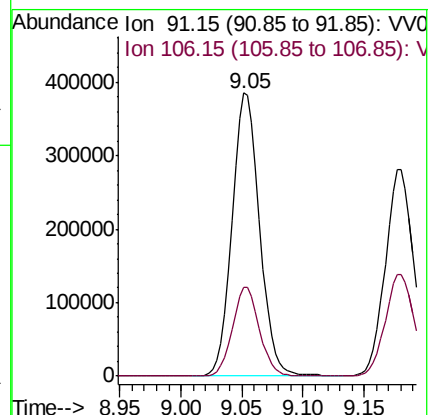
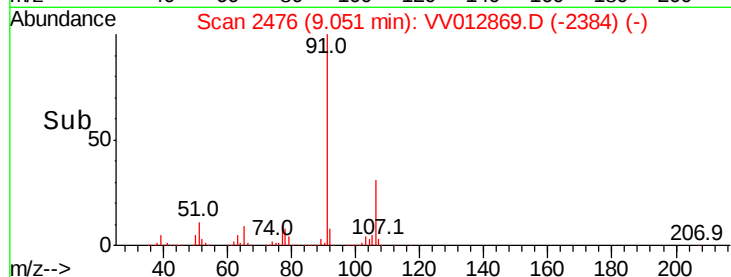
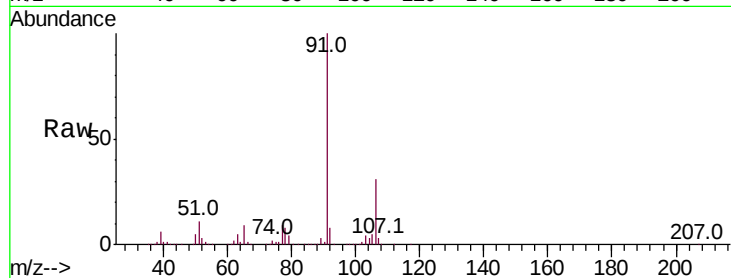
VICV33

Tot Ion: 91 Resp: 607887

Ion Ratio Lower Upper

91 100

106 31.4 21.7 40.3



#53

m,p-xylene

Concen: 5.255 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV012869.D

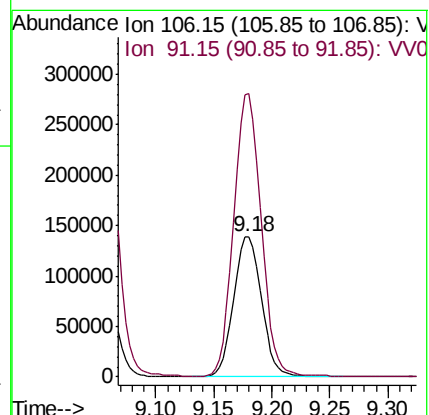
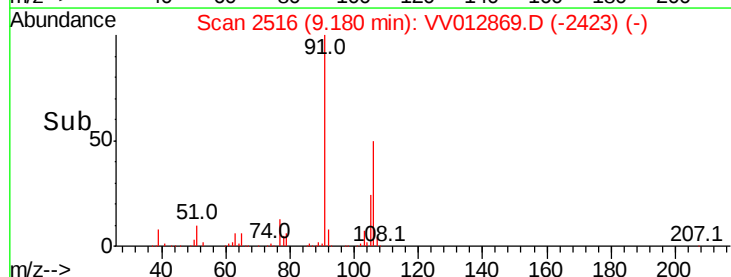
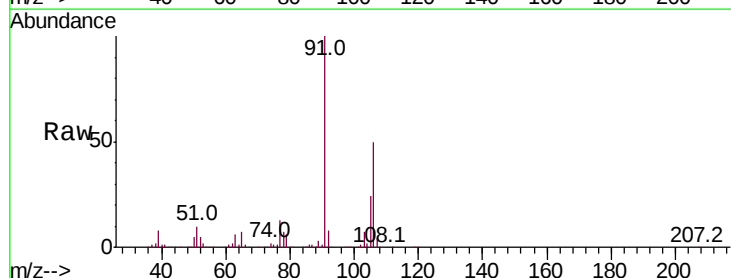
Acq: 17 Sep 2019 17:35

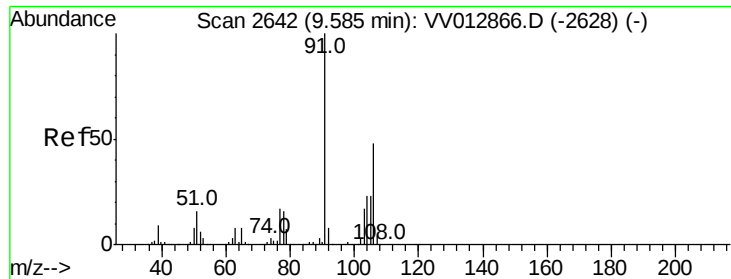
Tgt Ion: 106 Resp: 229414

Ion Ratio Lower Upper

106 100

91 201.9 139.6 259.2





#54

o-xylene

Concen: 5.267 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV012869.D

Acq: 17 Sep 2019 17:35

Instrument :

MSVOA_V

ClientSampleId :

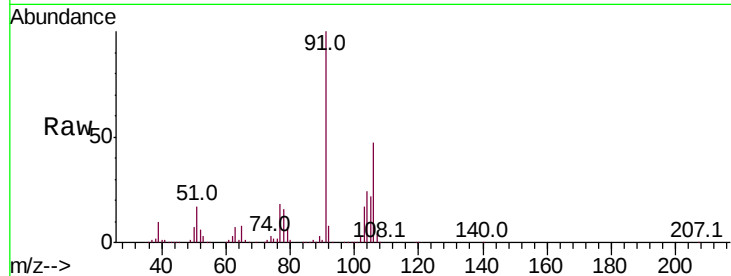
VICV33

Tot Ion:106 Resp: 226036

Ion Ratio Lower Upper

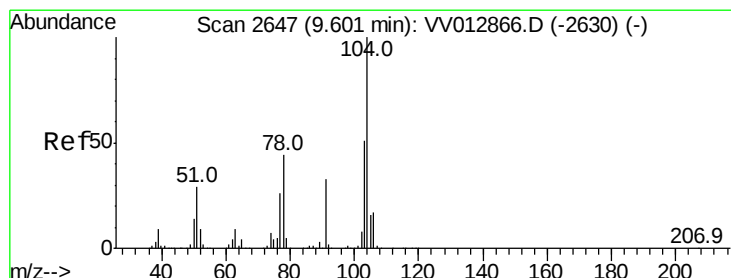
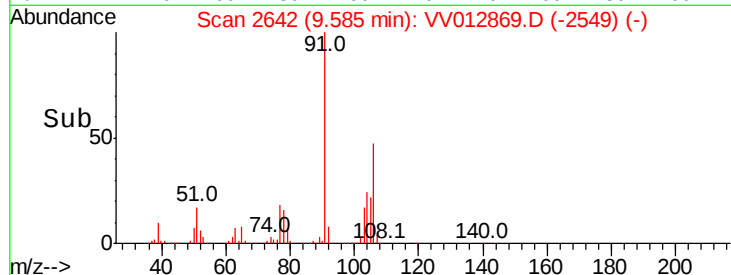
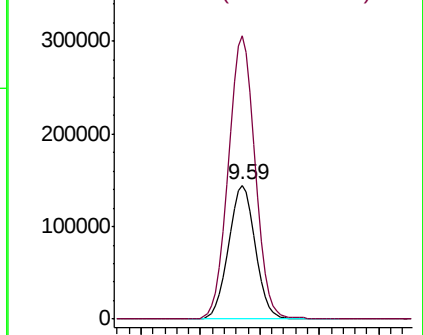
106 100

91 211.3 147.4 273.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.439 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV012869.D

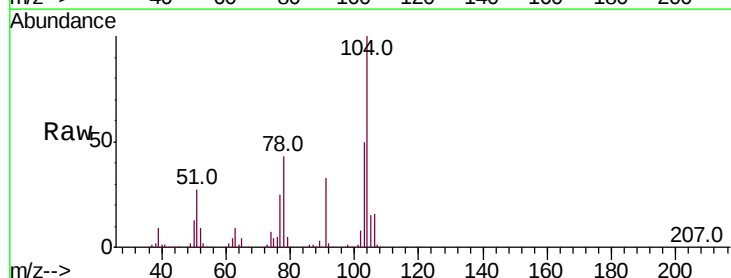
Acq: 17 Sep 2019 17:35

Tgt Ion:104 Resp: 400439

Ion Ratio Lower Upper

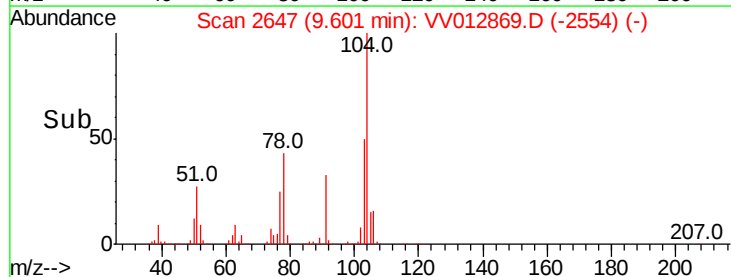
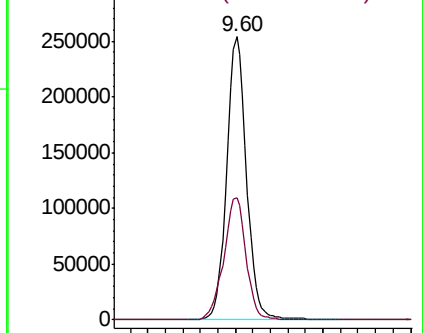
104 100

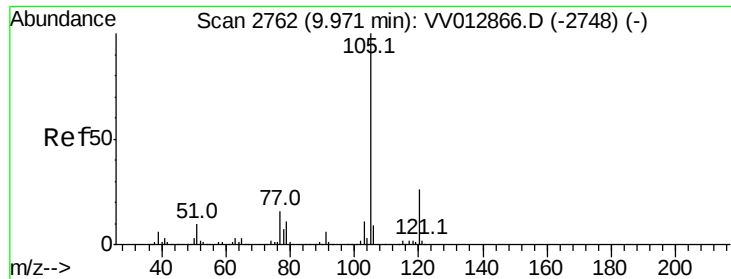
78 43.3 30.5 56.7



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.318 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV012869.D

Acq: 17 Sep 2019 17:35

Instrument :

MSVOA_V

ClientSampled :

VICV33

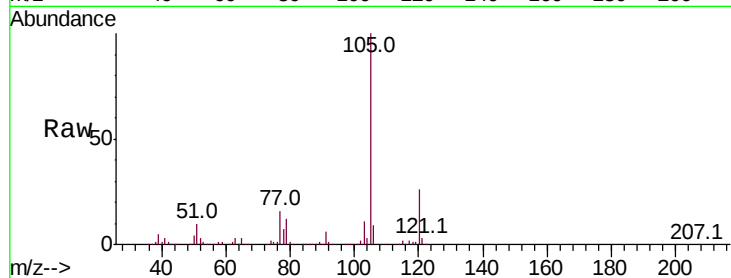
Tot Ion:105 Resp: 612488

Ion Ratio Lower Upper

105 100

120 26.2 20.8 31.2

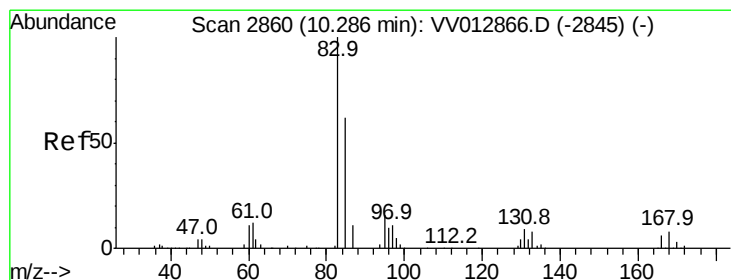
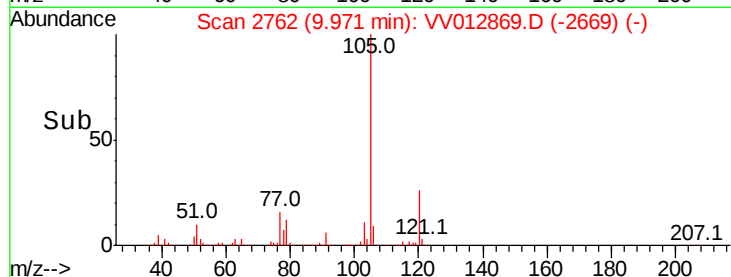
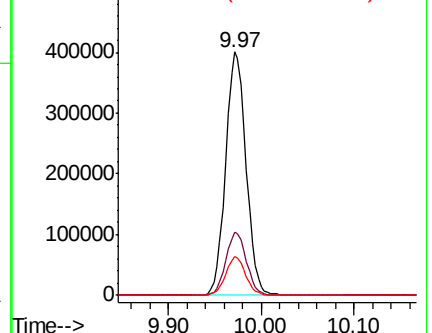
77 15.6 12.6 19.0



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: 4.933 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VV012869.D

Acq: 17 Sep 2019 17:35

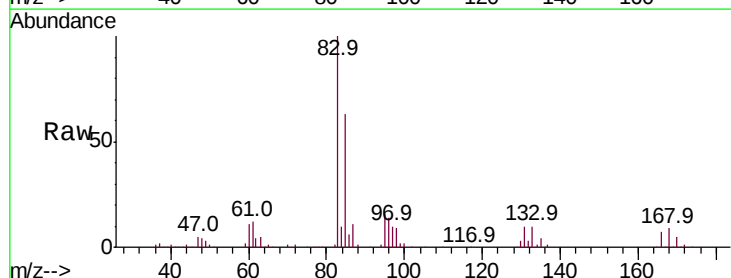
Tgt Ion: 83 Resp: 133747

Ion Ratio Lower Upper

83 100

85 62.5 43.9 81.5

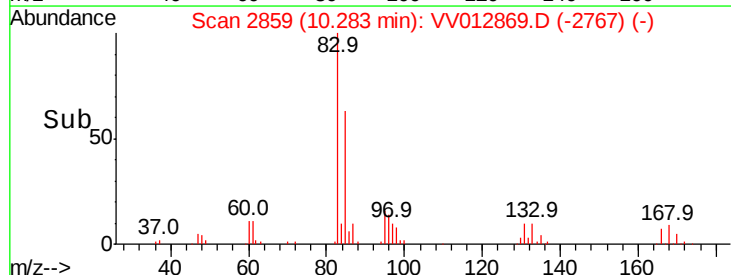
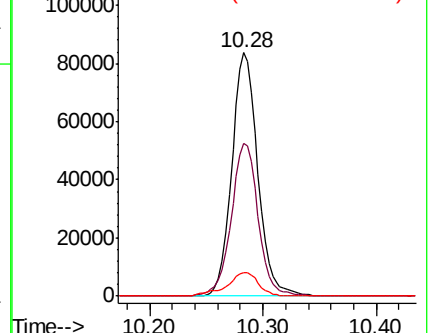
131 9.8 7.5 11.3

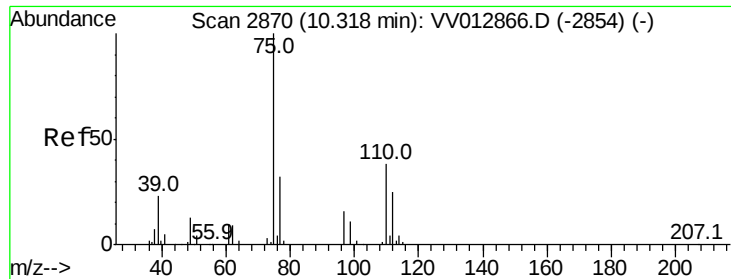


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.941 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. -0.00 min

Lab File: VV012869.D

Acq: 17 Sep 2019 17:35

Instrument :

MSVOA_V

ClientSampleId :

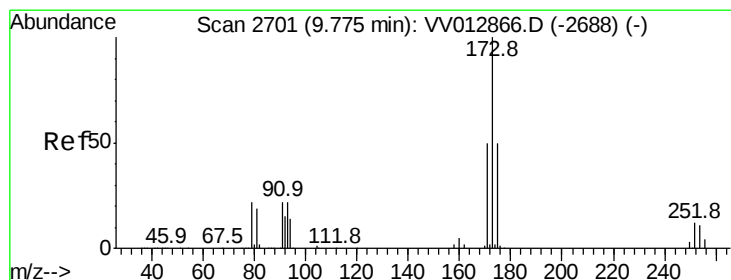
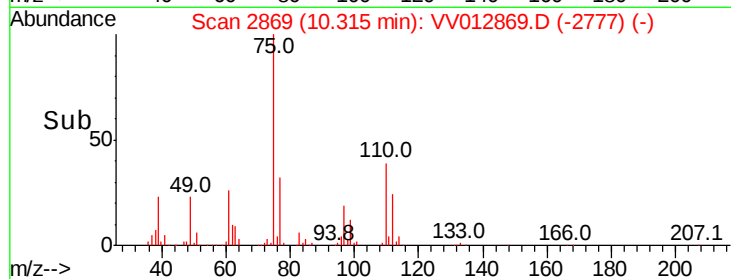
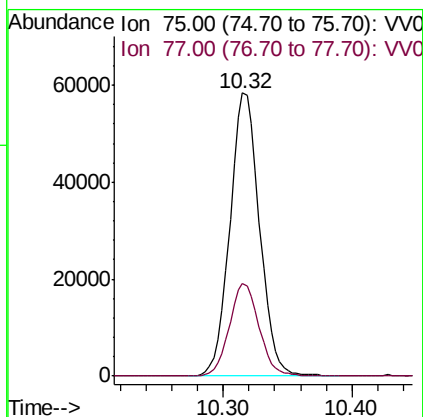
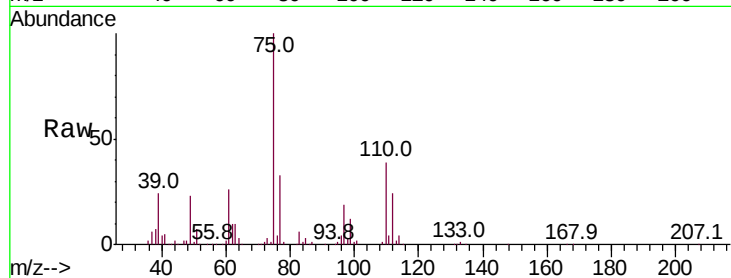
VICV33

Tot Ion: 75 Resp: 93109

Ion Ratio Lower Upper

75 100

77 32.7 26.1 39.1



#61

Bromoform

Concen: 4.918 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV012869.D

Acq: 17 Sep 2019 17:35

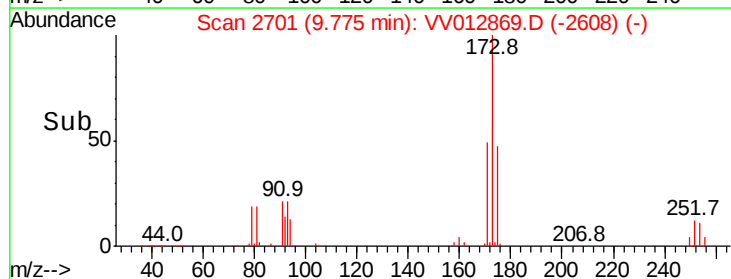
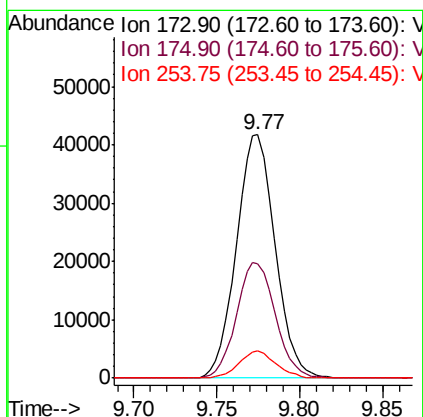
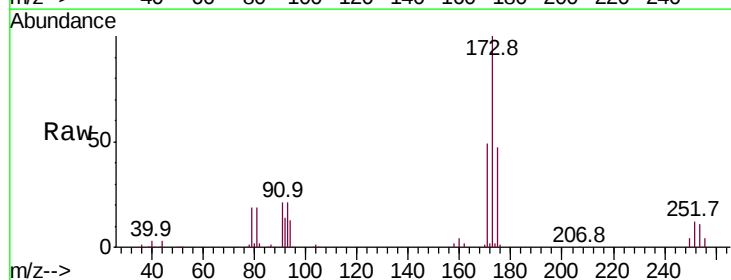
Tgt Ion: 173 Resp: 67852

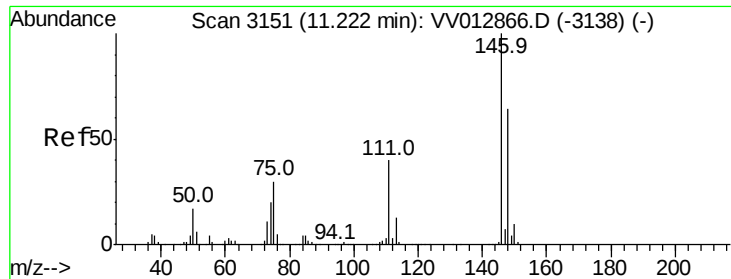
Ion Ratio Lower Upper

173 100

175 47.7 39.2 58.8

254 10.7 9.4 14.0





#62

1,3-Dichlorobenzene

Concen: 5.069 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. 0.00 min

Lab File: VV012869.D

Acq: 17 Sep 2019 17:35

Instrument :

MSVOA_V

ClientSampled :

VICV33

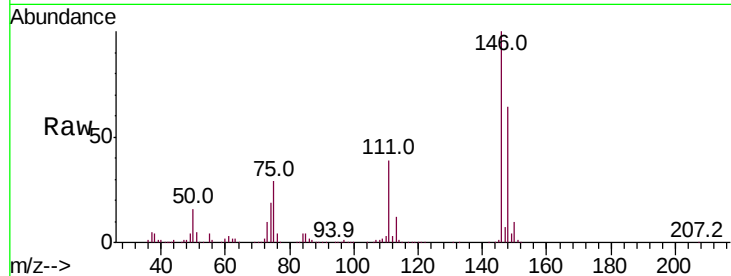
Tot Ion:146 Resp: 304785

Ion Ratio Lower Upper

146 100

111 39.1 27.8 51.6

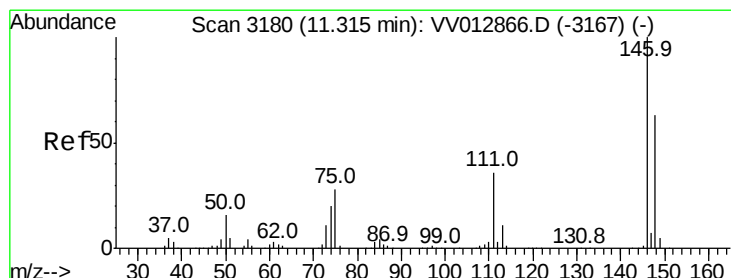
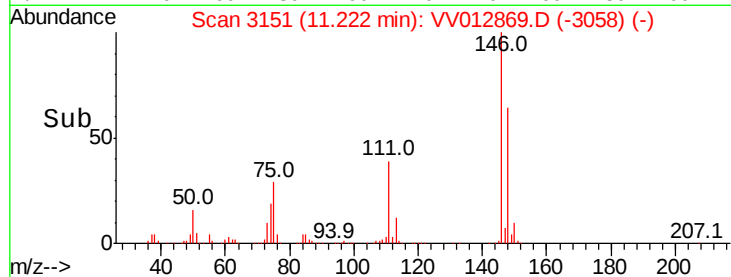
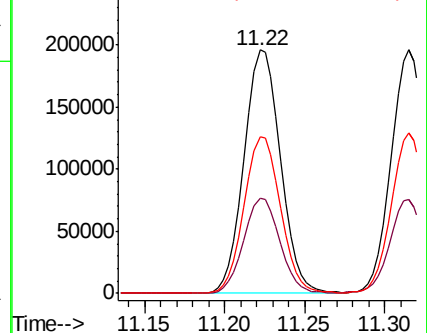
148 64.2 44.6 82.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.915 ug/L

RT: 11.32 min Scan# 3180

Delta R.T. 0.00 min

Lab File: VV012869.D

Acq: 17 Sep 2019 17:35

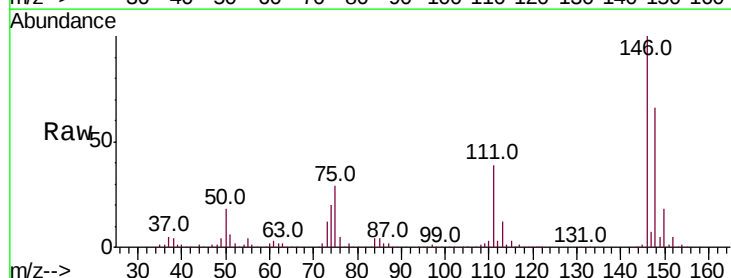
Tgt Ion:146 Resp: 303307

Ion Ratio Lower Upper

146 100

111 38.6 25.6 47.4

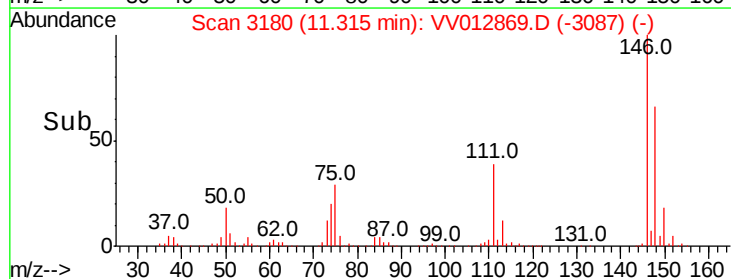
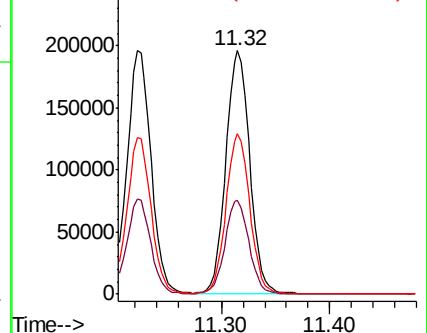
148 66.1 44.5 82.7

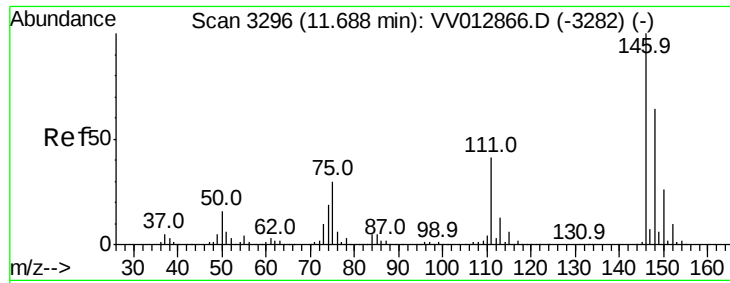


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

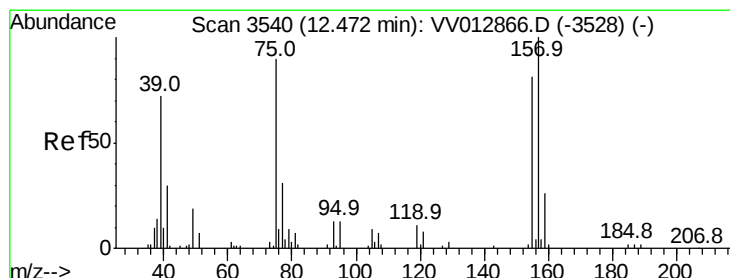
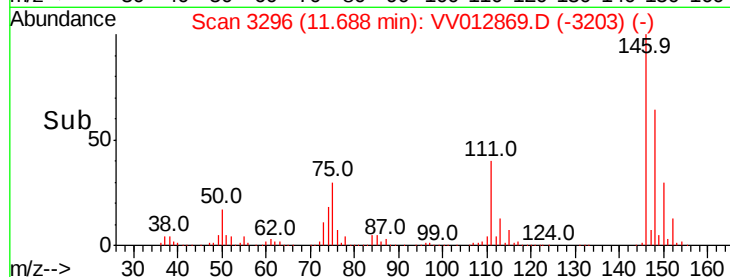
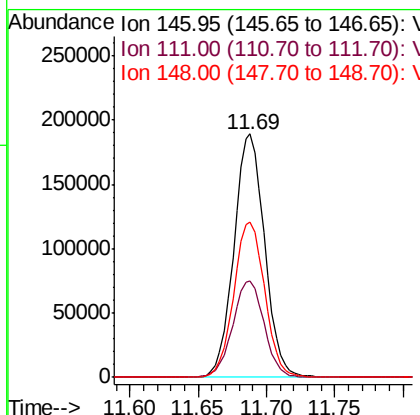
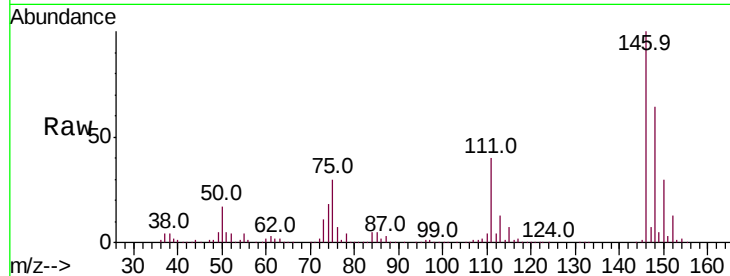




#65
 1,2-Dichlorobenzene
 Concen: 4.968 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. 0.00 min
 Lab File: VV012869.D
 Acq: 17 Sep 2019 17:35

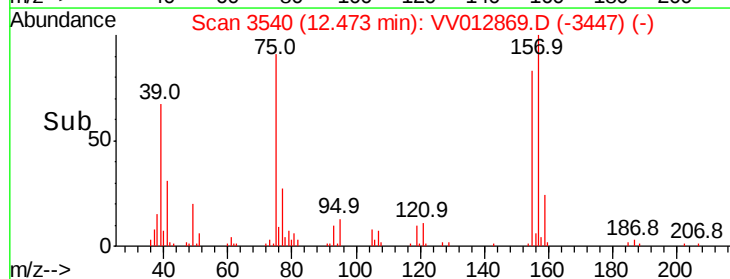
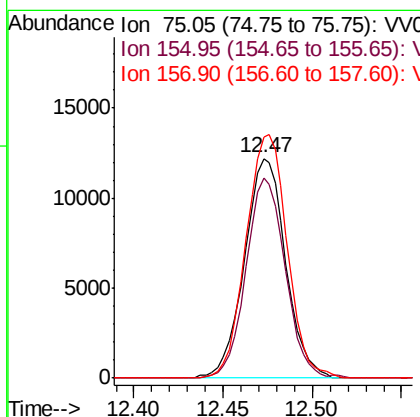
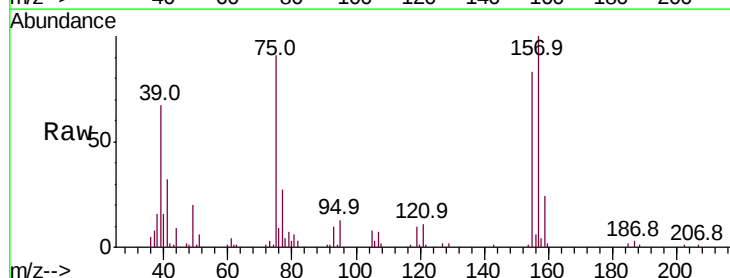
Instrument :
 MSVOA_V
 ClientSampled :
 VICV33

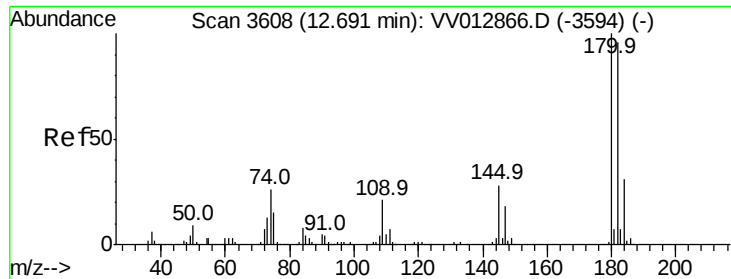
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	32.8	49.2
148	63.8	51.1	76.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.819 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. 0.00 min
 Lab File: VV012869.D
 Acq: 17 Sep 2019 17:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.8	72.4	108.6
157	109.7	89.3	133.9

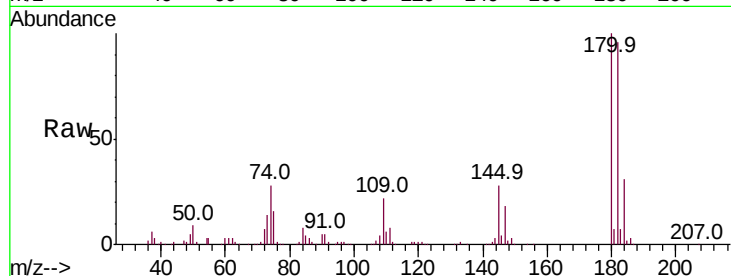




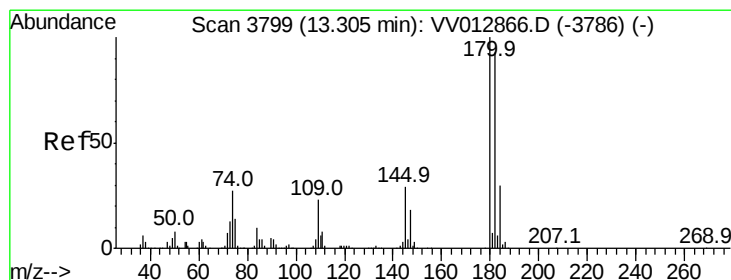
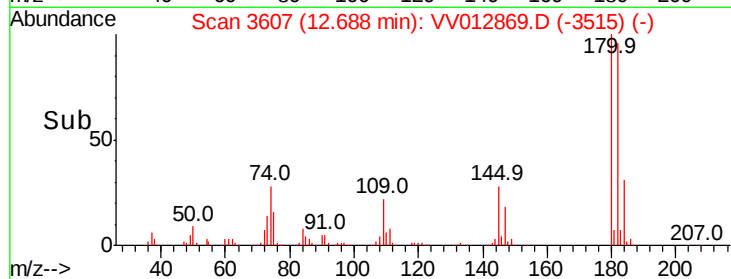
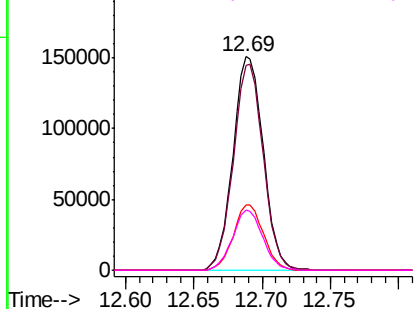
#67
 1,3,5-Trichlorobenzene
 Concen: 4.948 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VV012869.D
 Acq: 17 Sep 2019 17:35

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV33

Tot Ion:	180	Resp:	232632
Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.2	114.4
184	30.5	24.6	36.8
145	27.9	22.1	33.1

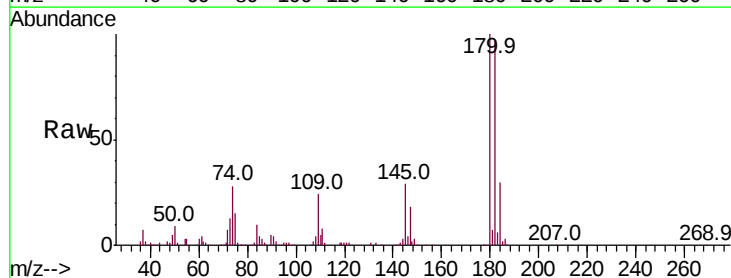


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

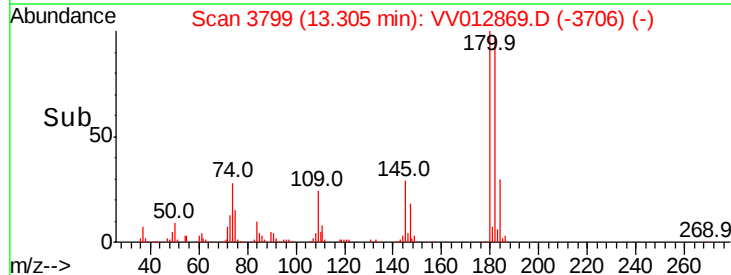
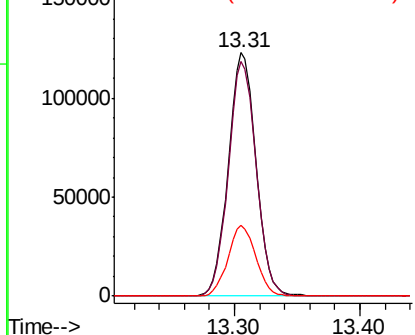


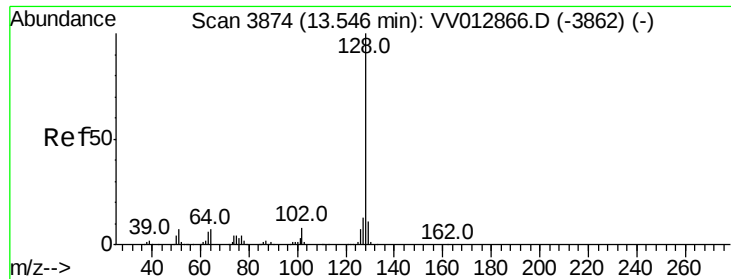
#68
 1,2,4-trichlorobenzene
 Concen: 4.981 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV012869.D
 Acq: 17 Sep 2019 17:35

Tgt Ion:	180	Resp:	188049
Ion	Ratio	Lower	Upper
180	100		
182	96.5	75.8	113.6
145	29.1	22.9	34.3



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: 5.291 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV012869.D

Acq: 17 Sep 2019 17:35

Instrument :

MSVOA_V

ClientSampleId :

VICV33

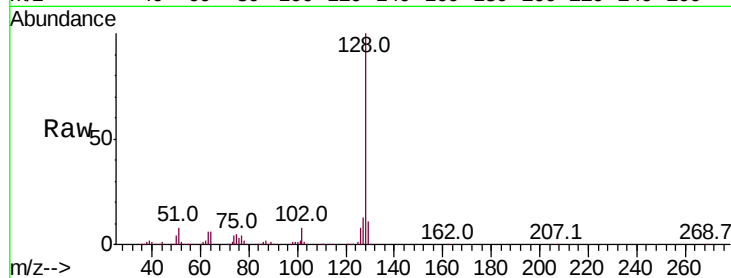
Tot Ion:128 Resp: 301806

Ion Ratio Lower Upper

128 100

129 10.9 8.9 13.3

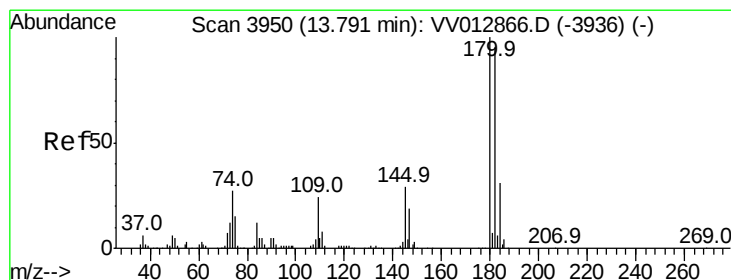
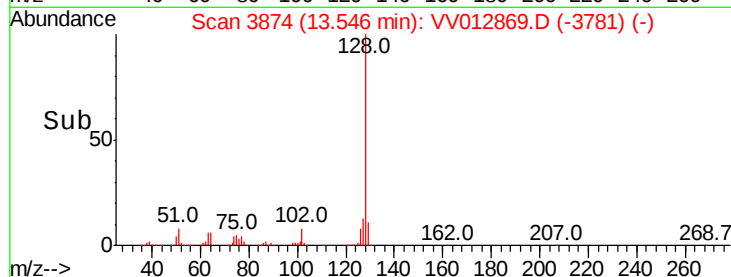
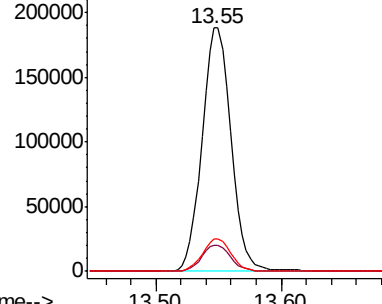
127 13.3 10.5 15.7



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: 5.238 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV012869.D

Acq: 17 Sep 2019 17:35

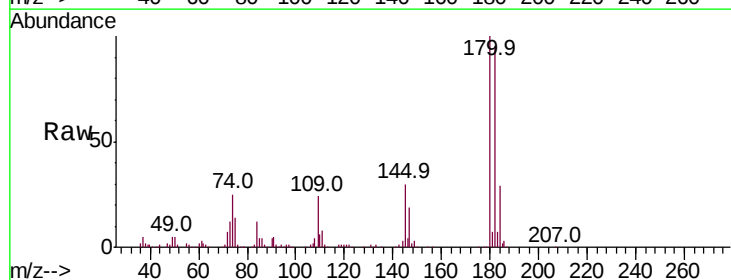
Tgt Ion:180 Resp: 195080

Ion Ratio Lower Upper

180 100

182 95.1 76.1 114.1

145 30.0 23.7 35.5



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

