

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV083019\
 Data File : VV012486.D
 Acq On : 31 Aug 2019 09:26
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA V/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 31 12:31:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR082919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Aug 31 12:27:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	168535	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	162926	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	80825	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	77866	5.18	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	103.60%
7) Chloroethane-d5	1.58	69	74543	6.86	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	137.20%#
11) 1,1-Dichloroethene-d2	2.14	63	196986	7.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	159.80%#
20) 2-Butanone-d5	3.94	46	101495	33.15	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	66.30%
24) Chloroform-d	4.40	84	117379	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.00%
26) 1,2-Dichloroethane-d4	5.08	65	62699	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.00%
32) Benzene-d6	5.10	84	230262	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.60%
36) 1,2-Dichloropropane-d6	6.12	67	69932	4.53	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.60%
41) Toluene-d8	7.36	98	219814	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.20%
43) trans-1,3-Dichloropropene-	7.66	79	26218	4.80	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.00%
46) 2-Hexanone-d5	8.13	63	88909	41.45	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.90%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	49044	4.48	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	71781	4.57	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	109102	4.820	ug/L 100
3) Chloromethane	1.26	50	111414	5.001	ug/L 99
5) Vinyl chloride	1.32	62	128410	6.102	ug/L 100
6) Bromomethane	1.54	94	74105	6.485	ug/L 97
8) Chloroethane	1.60	64	89325	7.913	ug/L 99
9) Trichlorofluoromethane	1.77	101	208227	7.639	ug/L 96
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	117904	8.703	ug/L 92
12) 1,1-Dichloroethene	2.14	96	110714	8.668	ug/L 96
13) Acetone	2.19	43	190915	85.344	ug/L 99
14) Carbon disulfide	2.32	76	338204	8.663	ug/L 99
15) Methyl Acetate	2.46	43	50091	9.095	ug/L 97
16) Methylene chloride	2.53	84	119861	8.207	ug/L 96
17) Methyl tert-butyl Ether	2.80	73	194821	5.550	ug/L 97
18) trans-1,2-Dichloroethene	2.79	96	86247	5.272	ug/L 94
19) 1,1-Dichloroethane	3.23	63	165741	5.176	ug/L 99
21) 2-Butanone	4.02	43	209007	50.823	ug/L 96
22) cis-1,2-Dichloroethene	3.96	96	90491	5.284	ug/L 90

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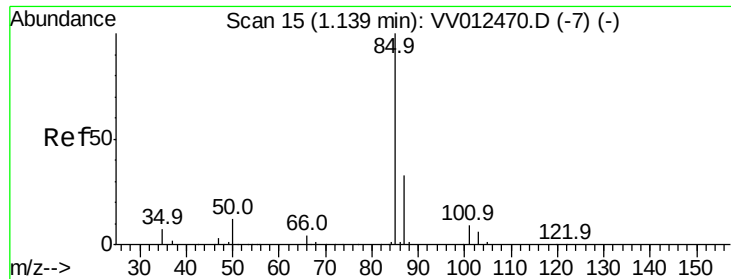
Instrument :
 MSVOA_V
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.30	128	35421	4.763	ug/L	95
25) Chloroform	4.43	83	171151	5.102	ug/L	99
27) 1,2-Dichloroethane	5.18	62	104284	5.543	ug/L #	94
29) 1,1,1-Trichloroethane	4.66	97	143043	5.420	ug/L	96
30) Cyclohexane	4.72	56	146225	5.496	ug/L	99
31) Carbon tetrachloride	4.87	117	121786	5.246	ug/L	97
33) Benzene	5.15	78	356839	5.291	ug/L	100
34) Trichloroethene	5.96	95	94239	5.484	ug/L	96
35) Methylcyclohexane	6.18	83	148969	5.697	ug/L	97
37) 1,2-Dichloropropane	6.22	63	88180	5.013	ug/L	98
38) Bromodichloromethane	6.55	83	116497	5.326	ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	122661	5.390	ug/L	98
40) 4-Methyl-2-pentanone	7.27	43	541010	54.269	ug/L	97
42) Toluene	7.43	91	391301	5.668	ug/L	97
44) trans-1,3-Dichloropropene	7.69	75	96705	5.470	ug/L	96
45) 1,1,2-Trichloroethane	7.88	97	57679	4.943	ug/L	99
47) Tetrachloroethene	8.02	164	70058	5.093	ug/L	97
48) 2-Hexanone	8.18	43	375483	55.303	ug/L	96
49) Dibromochloromethane	8.29	129	68280	5.082	ug/L	99
50) 1,2-Dibromoethane	8.40	107	51993	5.045	ug/L	99
51) Chlorobenzene	8.92	112	236554	5.407	ug/L	99
52) Ethylbenzene	9.05	91	422473	5.790	ug/L	100
53) m,p-xylene	9.18	106	155588	5.817	ug/L	99
54) o-xylene	9.59	106	151947	5.819	ug/L	96
55) Styrene	9.60	104	252146	5.752	ug/L	97
56) Isopropylbenzene	9.97	105	410569	5.971	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	64034	4.665	ug/L	98
59) 1,2,3-Trichloropropane	10.31	75	49071	5.023	ug/L	96
61) Bromoform	9.77	173	33163	4.412	ug/L	98
62) 1,3-Dichlorobenzene	11.22	146	183837	5.435	ug/L	97
63) 1,4-Dichlorobenzene	11.31	146	183073	5.402	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	169941	5.329	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	10278	4.788	ug/L	87
67) 1,3,5-Trichlorobenzene	12.69	180	136414	5.406	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	104497	5.648	ug/L	97
69) Naphthalene	13.55	128	171021	6.387	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	93116	5.239	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.820 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV012486.D

Acq: 31 Aug 2019 09:26

Instrument :

MSVOA_V

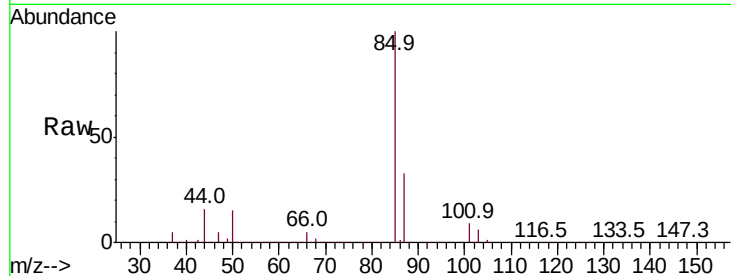
ClientSampleId :

Tot Ion: 85 Resp: 109102

Ion Ratio Lower Upper

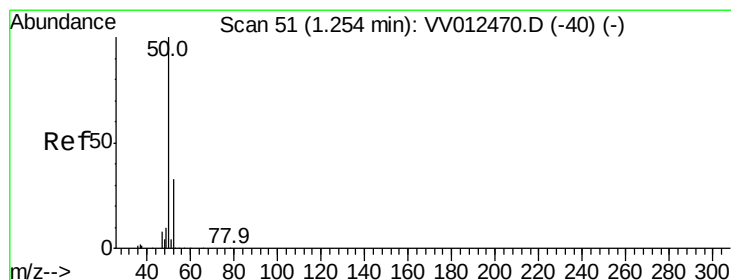
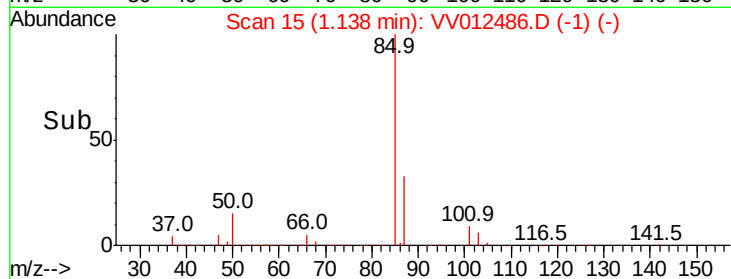
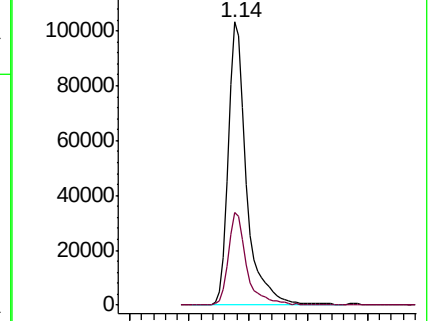
85 100

87 32.9 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 5.001 ug/L

RT: 1.26 min Scan# 52

Delta R.T. 0.00 min

Lab File: VV012486.D

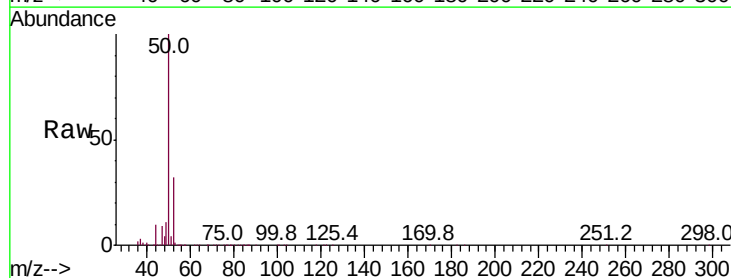
Acq: 31 Aug 2019 09:26

Tgt Ion: 50 Resp: 111414

Ion Ratio Lower Upper

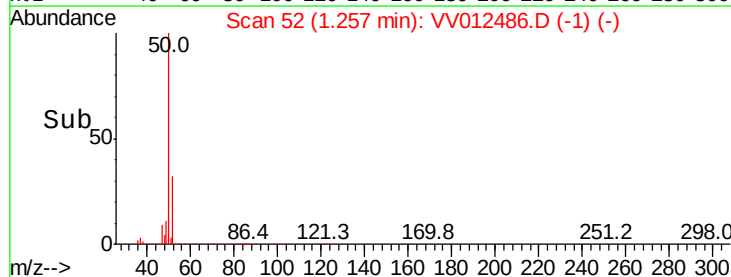
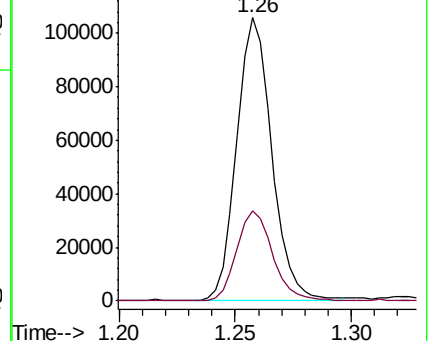
50 100

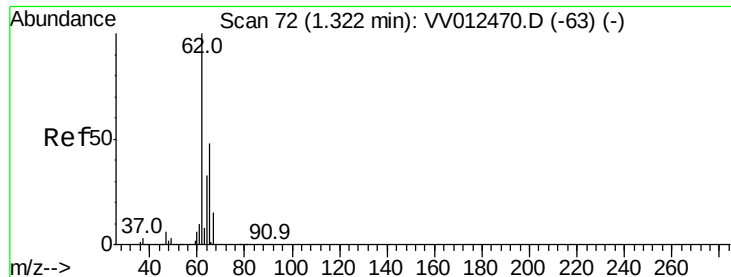
52 31.9 22.5 41.9



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 6.102 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV012486.D

Acq: 31 Aug 2019 09:26

Instrument :

MSVOA_V

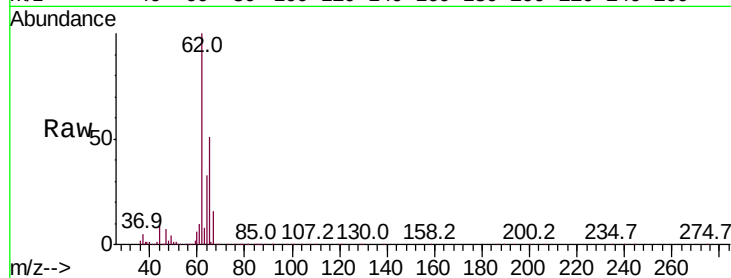
ClientSampled :

Tot Ion: 62 Resp: 128410

Ion Ratio Lower Upper

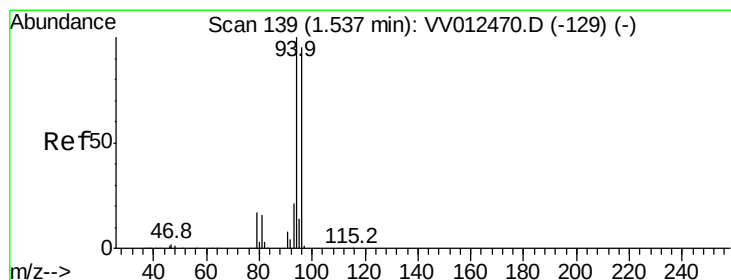
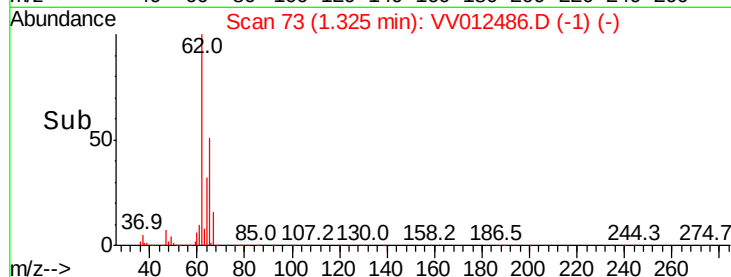
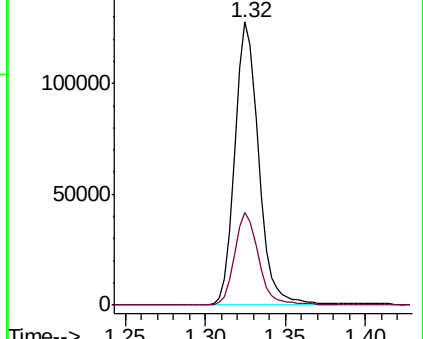
62 100

64 32.5 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 6.485 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV012486.D

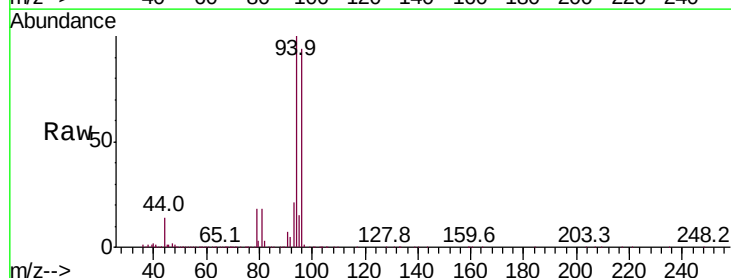
Acq: 31 Aug 2019 09:26

Tgt Ion: 94 Resp: 74105

Ion Ratio Lower Upper

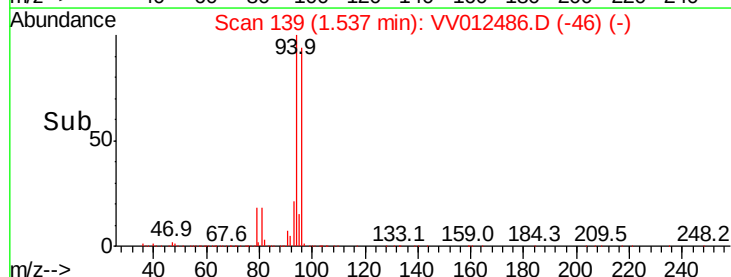
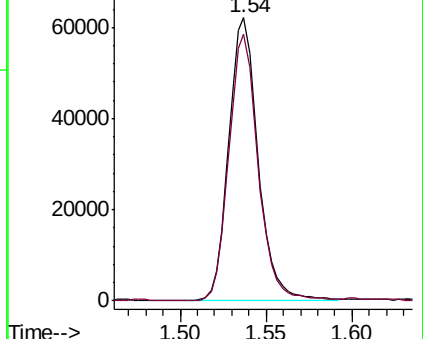
94 100

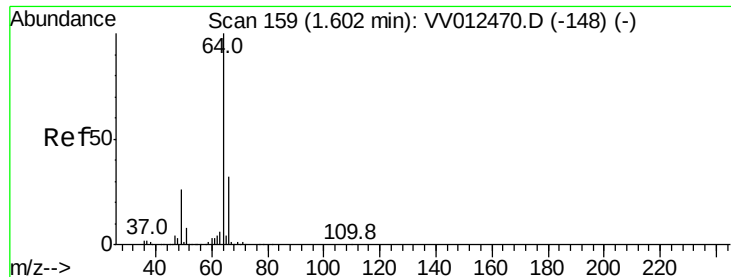
96 94.1 64.0 119.0



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 7.913 ug/L

RT: 1.60 min Scan# 159

Delta R.T. -0.00 min

Lab File: VV012486.D

Acq: 31 Aug 2019 09:26

Instrument :

MSVOA_V

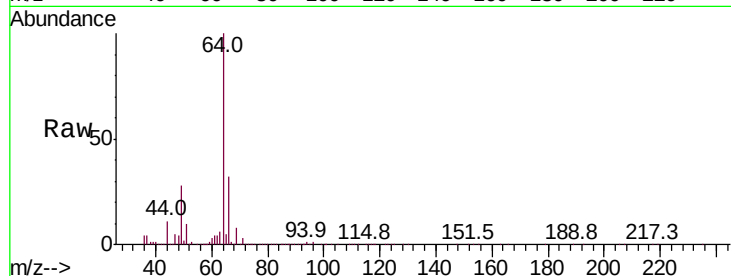
ClientSampleId :

Tot Ion: 64 Resp: 89325

Ion Ratio Lower Upper

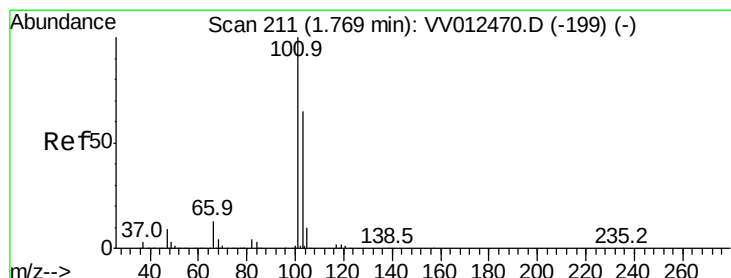
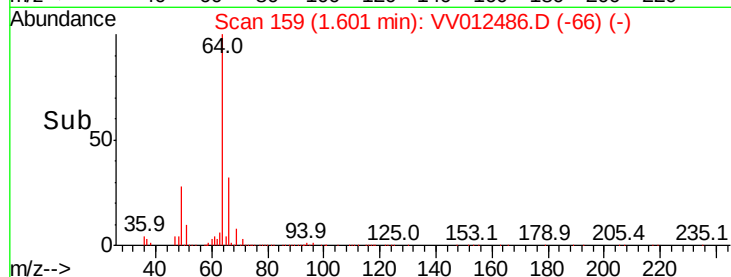
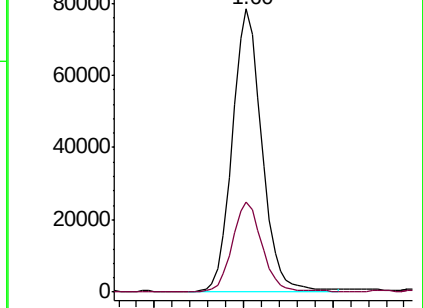
64 100

66 31.7 22.5 41.7



Abundance Ion 64.10 (63.80 to 64.80): VV012470.D (-148) (-)

Ion 66.05 (65.75 to 66.75): VV012486.D (-66) (-)



#9

Trichlorofluoromethane

Concen: 7.639 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV012486.D

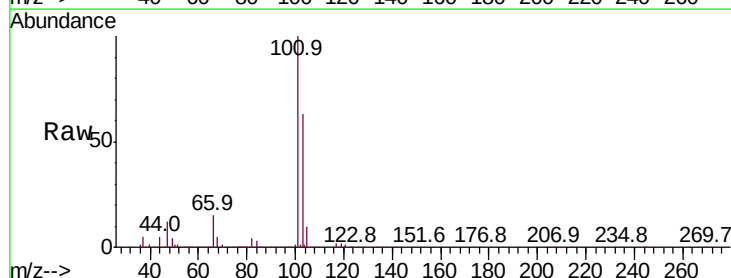
Acq: 31 Aug 2019 09:26

Tgt Ion: 101 Resp: 208227

Ion Ratio Lower Upper

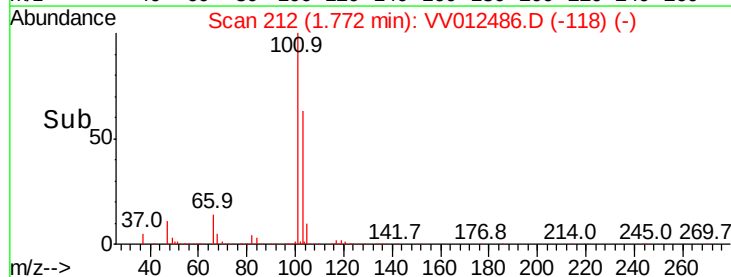
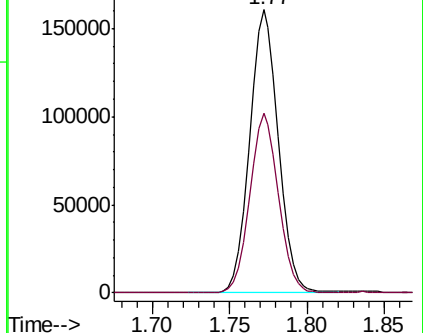
101 100

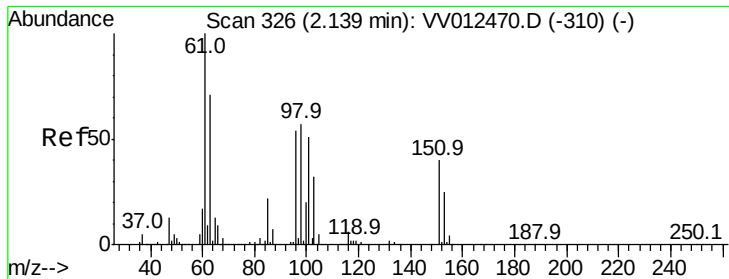
103 63.3 53.0 79.4



Abundance Ion 101.00 (100.70 to 101.70): VV012470.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV012486.D (-118) (-)





#10

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

Concen: 8.703 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV012486.D

Acq: 31 Aug 2019 09:26

Instrument :

MSVOA_V

ClientSampleId :

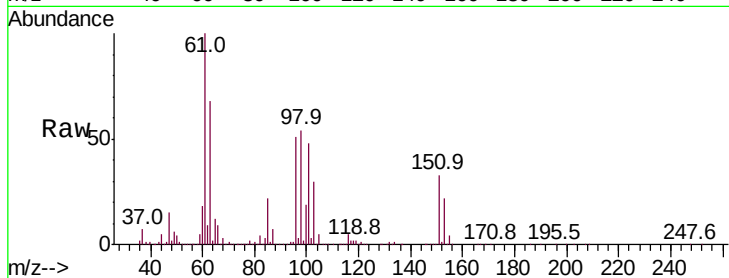
Tot Ion:101 Resp: 117904

Ion Ratio Lower Upper

101 100

85 46.5 35.4 53.2

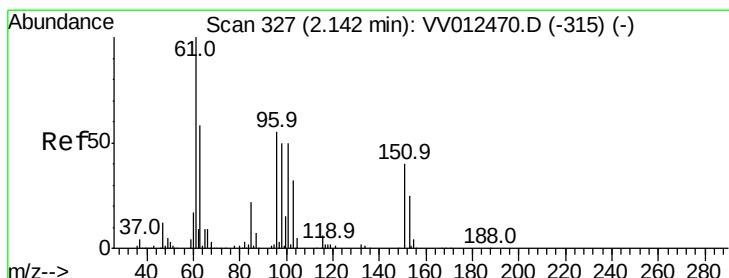
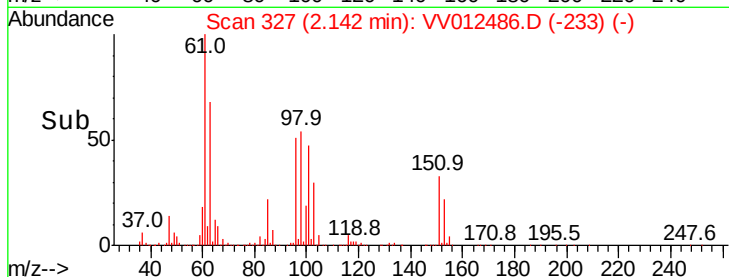
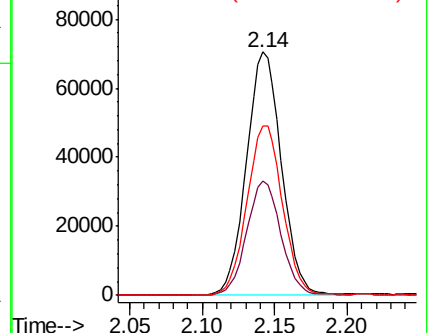
151 71.2 64.4 96.6



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: 8.668 ug/L

RT: 2.14 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV012486.D

Acq: 31 Aug 2019 09:26

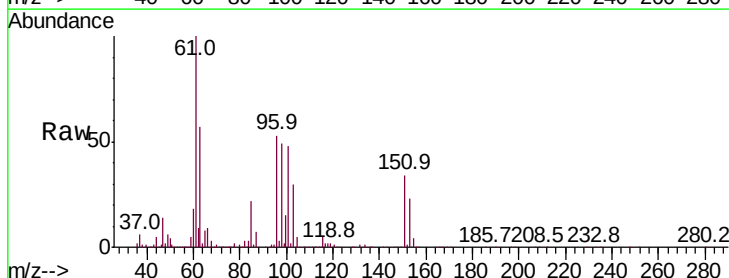
Tgt Ion: 96 Resp: 110714

Ion Ratio Lower Upper

96 100

61 187.5 127.8 237.4

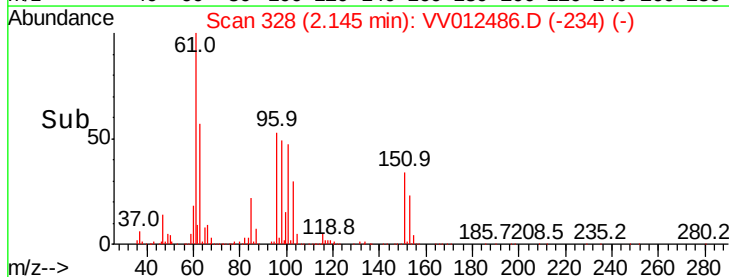
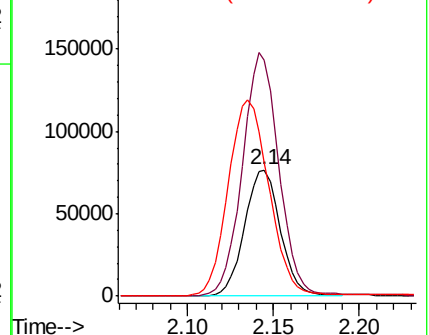
63 106.1 78.2 145.2

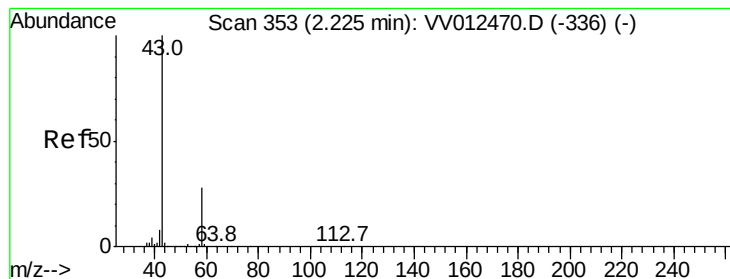


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 85.344 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.04 min

Lab File: VV012486.D

Acq: 31 Aug 2019 09:26

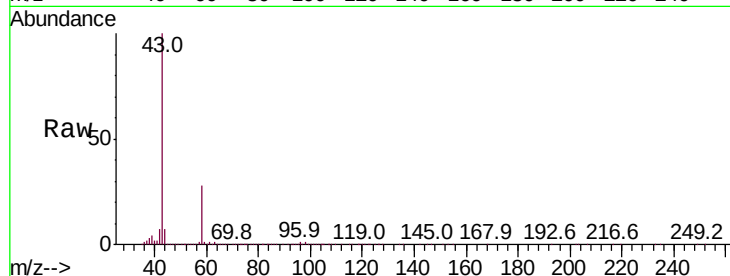
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 190915

Ion Ratio Lower Upper

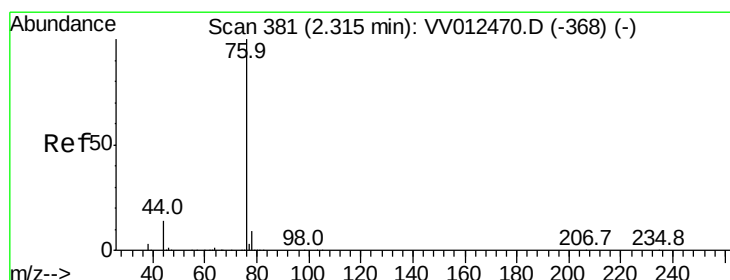
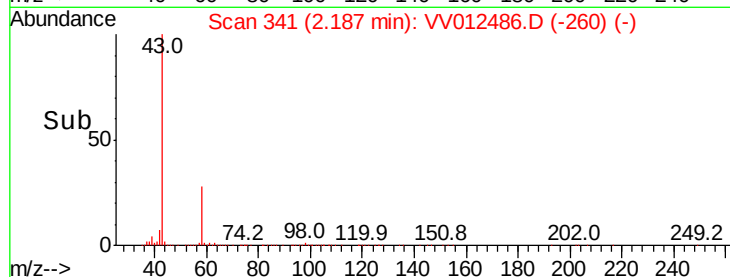
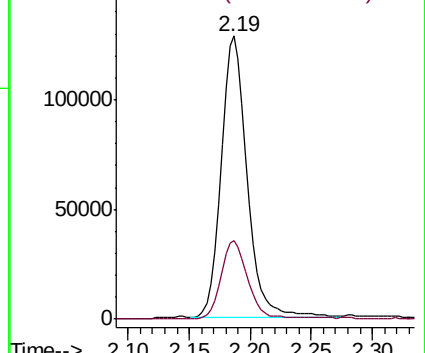
43 100

58 28.0 0.0 56.8



Abundance Ion 43.05 (42.75 to 43.75): VV012470.D (-336) (-)

Ion 58.05 (57.75 to 58.75): VV012486.D (-260) (-)



#14

Carbon disulfide

Concen: 8.663 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.01 min

Lab File: VV012486.D

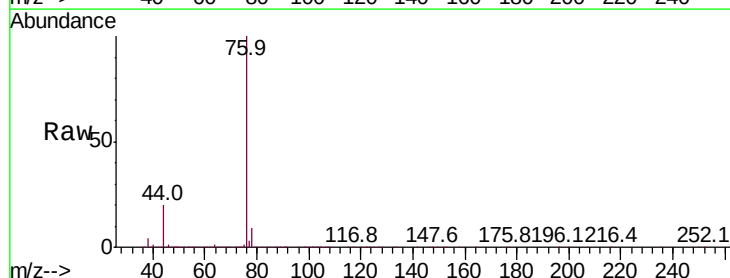
Acq: 31 Aug 2019 09:26

Tgt Ion: 76 Resp: 338204

Ion Ratio Lower Upper

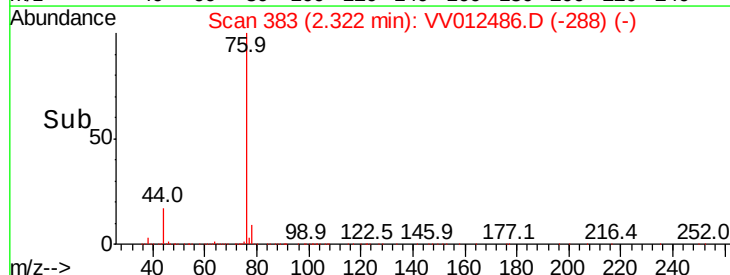
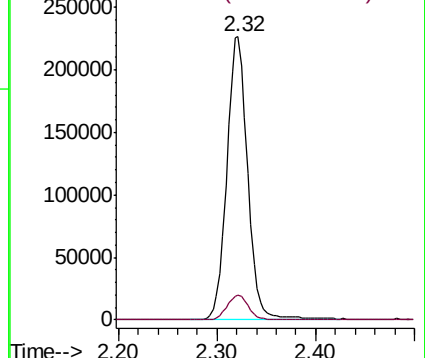
76 100

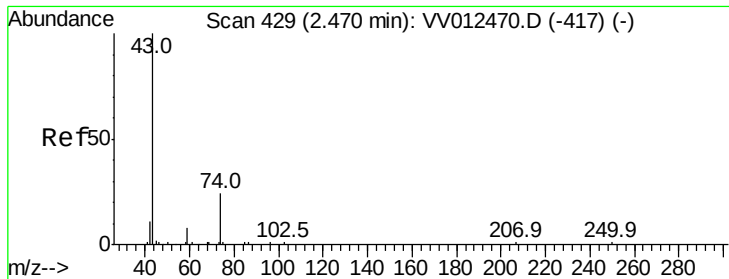
78 8.8 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VV012470.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VV012486.D (-288) (-)





#15

Methvl Acetate

Concen: 9.095 ug/L

RT: 2.46 min Scan# 425

Delta R.T. -0.01 min

Lab File: VV012486.D

Acq: 31 Aug 2019 09:26

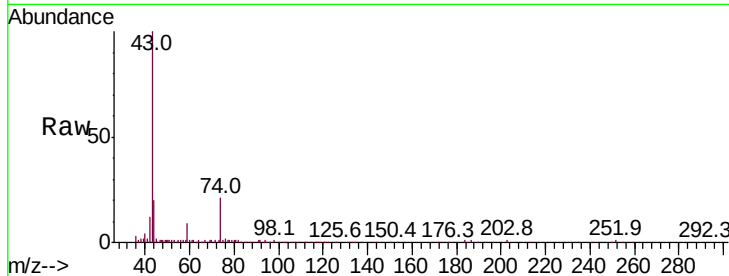
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 50091

Ion Ratio Lower Upper

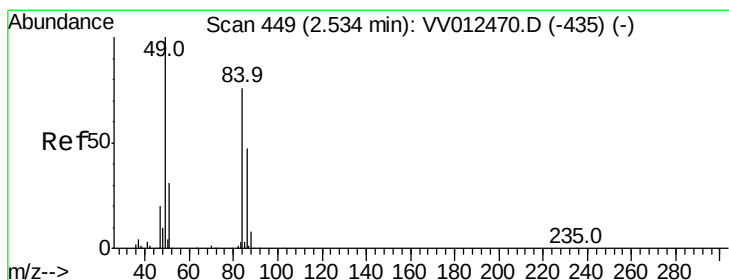
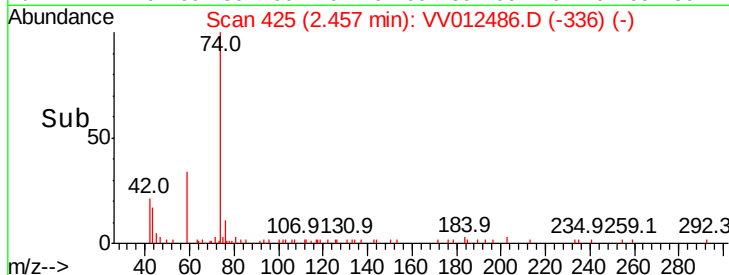
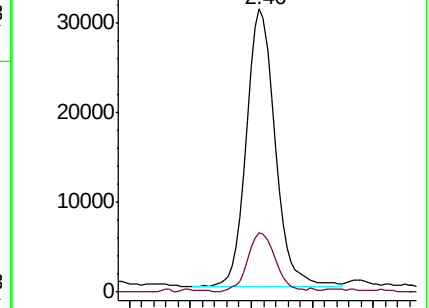
43 100

74 21.0 18.1 27.1



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 8.207 ug/L

RT: 2.53 min Scan# 449

Delta R.T. -0.00 min

Lab File: VV012486.D

Acq: 31 Aug 2019 09:26

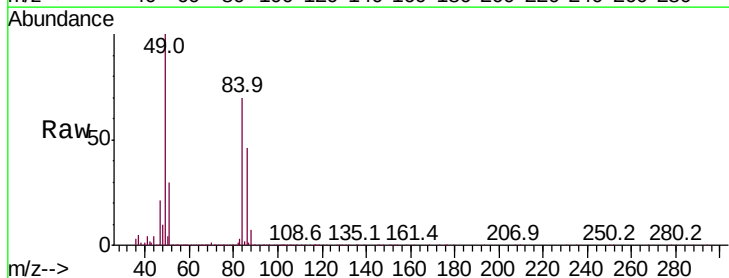
Tgt Ion: 84 Resp: 119861

Ion Ratio Lower Upper

84 100

86 65.5 45.2 84.0

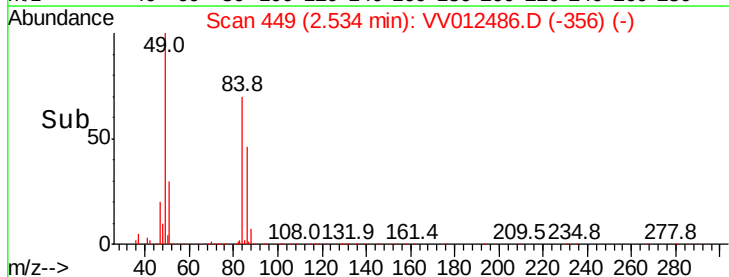
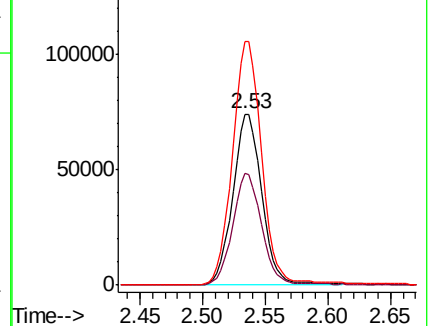
49 142.3 95.1 176.7

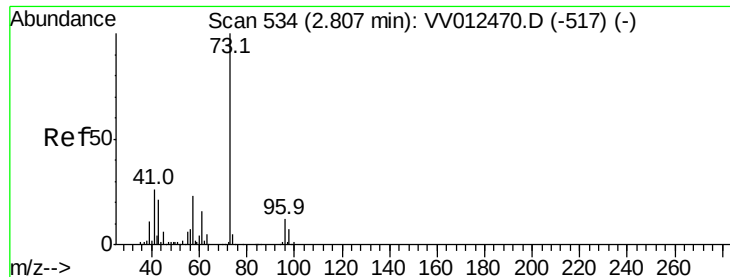


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0



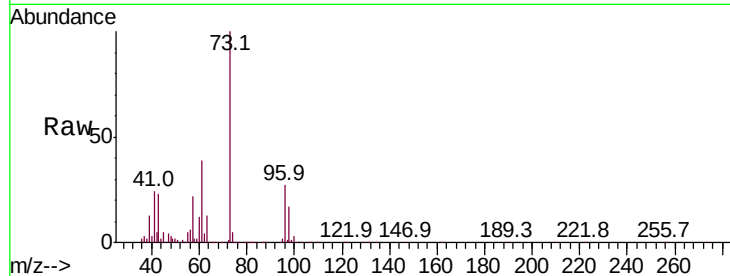


#17

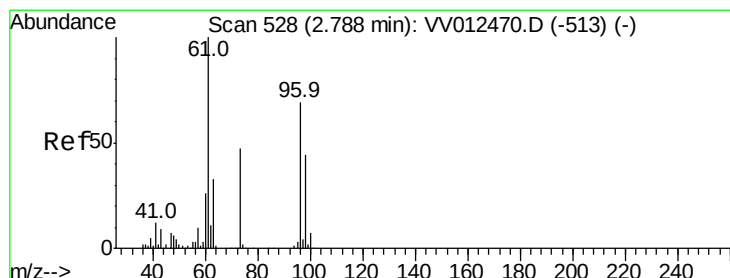
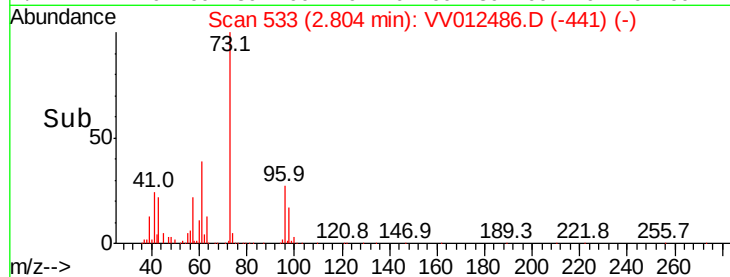
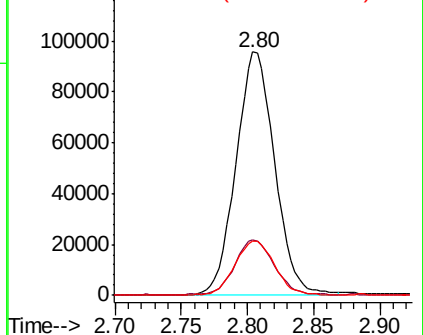
Methyl tert-butyl Ether
 Concen: 5.550 ug/L
 RT: 2.80 min Scan# 533
 Delta R.T. -0.00 min
 Lab File: VV012486.D
 Acq: 31 Aug 2019 09:26

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 73 Resp: 194821
 Ion Ratio Lower Upper
 73 100
 43 22.4 16.1 24.1
 57 23.1 18.8 28.2



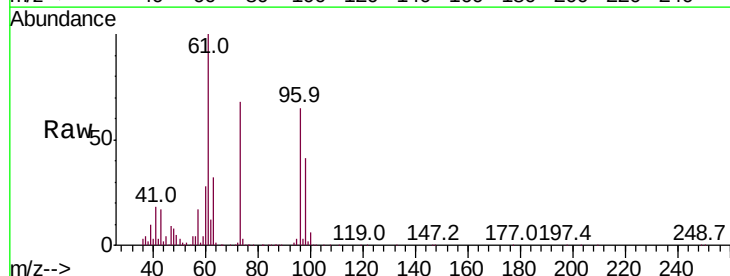
Abundance Ion 73.10 (72.80 to 73.80): VV0
 Ion 43.05 (42.75 to 43.75): VV0
 Ion 57.10 (56.80 to 57.80): VV0



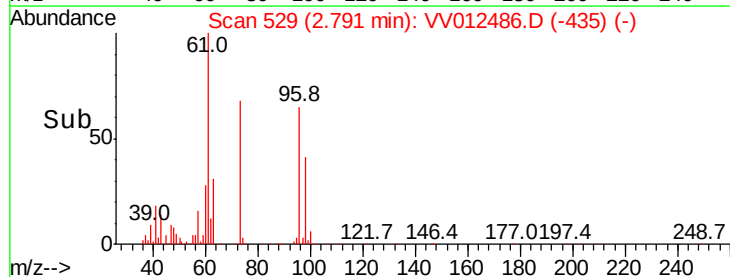
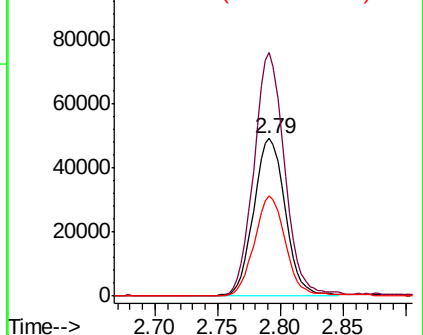
#18

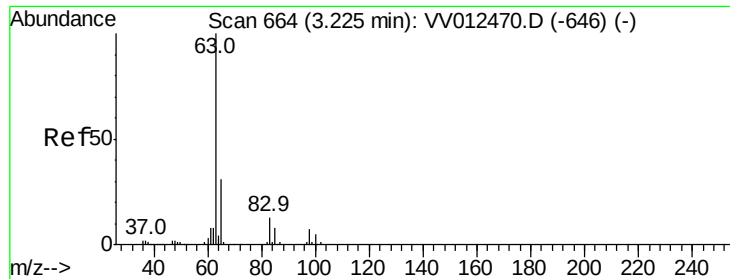
trans-1,2-Dichloroethene
 Concen: 5.272 ug/L
 RT: 2.79 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VV012486.D
 Acq: 31 Aug 2019 09:26

Tgt Ion: 96 Resp: 86247
 Ion Ratio Lower Upper
 96 100
 61 154.3 101.2 188.0
 98 63.8 44.1 81.9



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

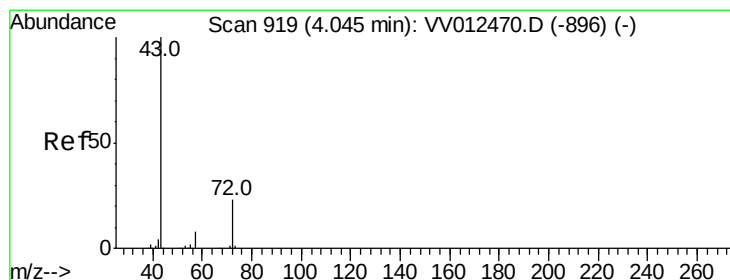
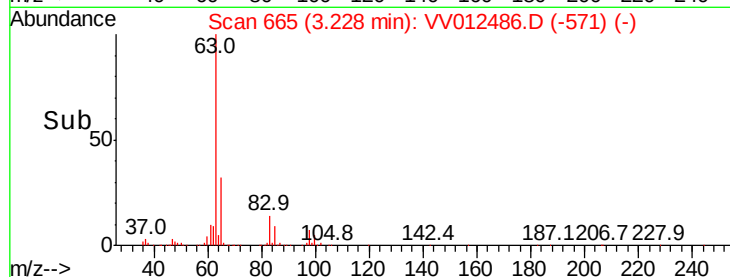
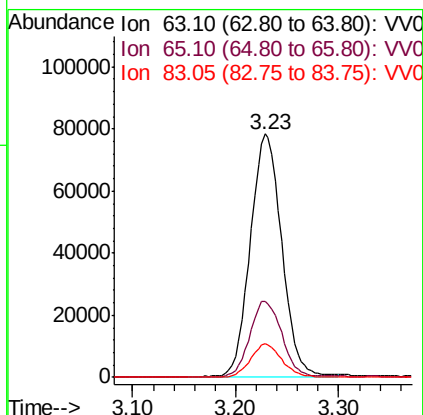
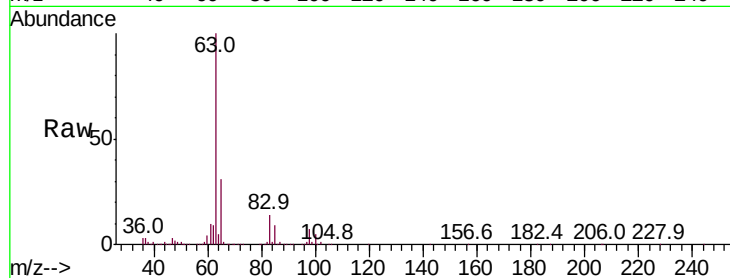




#19
 1,1-Dichloroethane
 Concen: 5.176 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV012486.D
 Acq: 31 Aug 2019 09:26

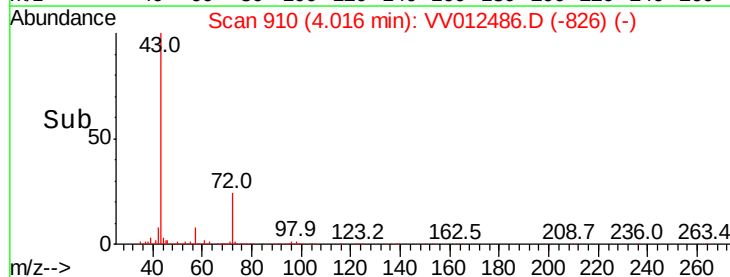
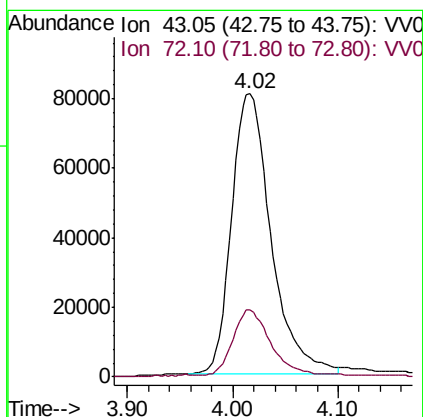
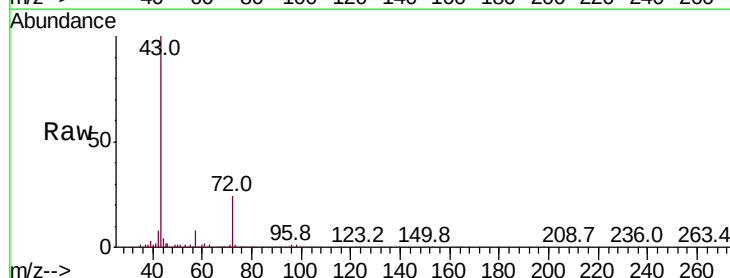
Instrument :
 MSVOA_V
 ClientSampled :

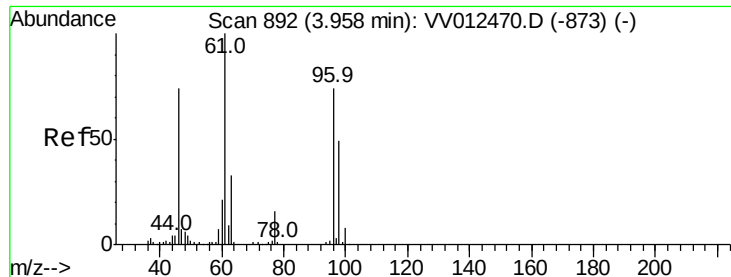
Tot Ion: 63 Resp: 165741
 Ion Ratio Lower Upper
 63 100
 65 31.4 21.6 40.2
 83 13.7 9.0 16.8



#21
 2-Butanone
 Concen: 50.823 ug/L
 RT: 4.02 min Scan# 910
 Delta R.T. -0.03 min
 Lab File: VV012486.D
 Acq: 31 Aug 2019 09:26

Tgt Ion: 43 Resp: 209007
 Ion Ratio Lower Upper
 43 100
 72 21.6 11.8 35.3





#22

cis-1,2-Dichloroethene

Concen: 5.284 ug/L

RT: 3.96 min Scan# 893

Delta R.T. 0.00 min

Lab File: VV012486.D

Acq: 31 Aug 2019 09:26

Instrument :
MSVOA_V
ClientSampleId :

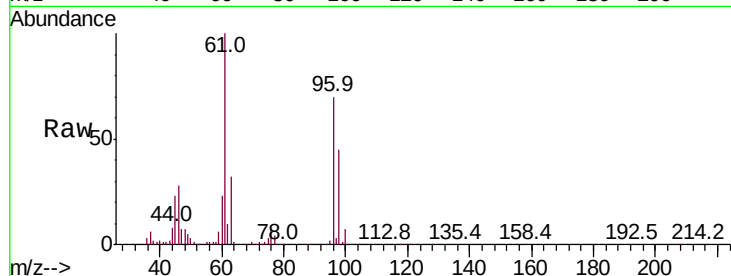
Tot Ion: 96 Resp: 90491

Ion Ratio Lower Upper

96 100

61 142.1 91.5 169.9

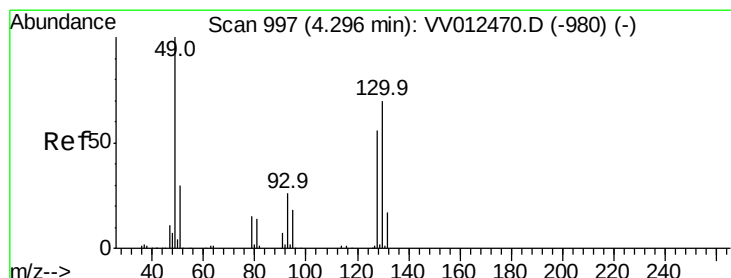
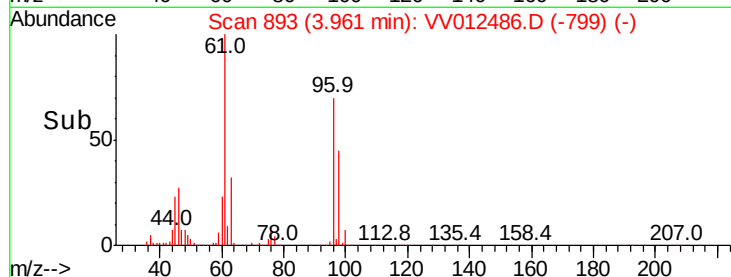
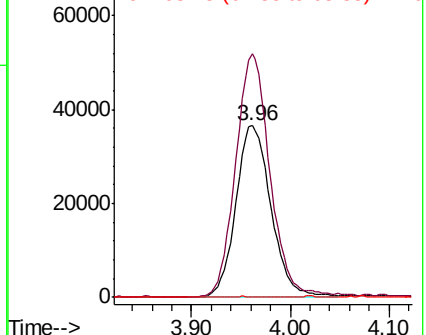
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV012486.D (-799) (-)

Ion 61.05 (60.75 to 61.75): VV012486.D (-799) (-)

Ion 68.15 (67.85 to 68.85): VV012486.D (-799) (-)



#23

Bromochloromethane

Concen: 4.763 ug/L

RT: 4.30 min Scan# 998

Delta R.T. 0.00 min

Lab File: VV012486.D

Acq: 31 Aug 2019 09:26

Tgt Ion: 128 Resp: 35421

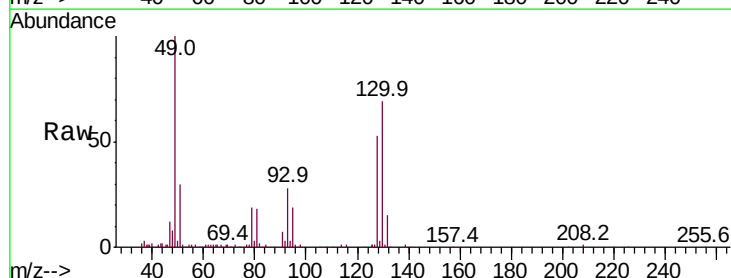
Ion Ratio Lower Upper

128 100

49 186.9 127.7 237.3

130 129.3 84.1 156.1

51 56.0 48.0 72.0

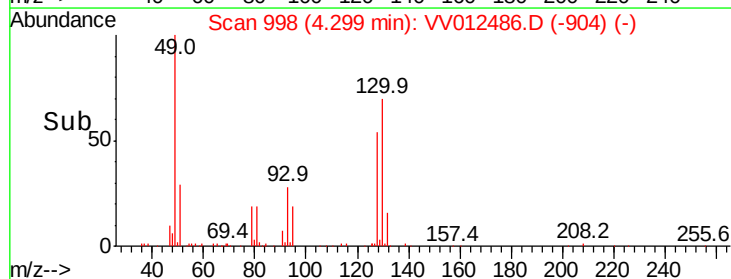
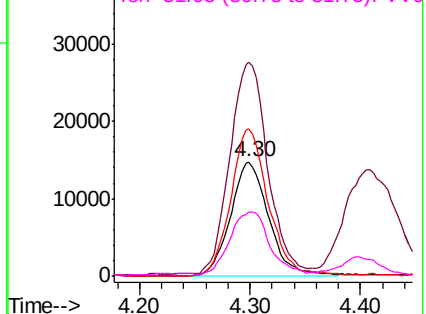


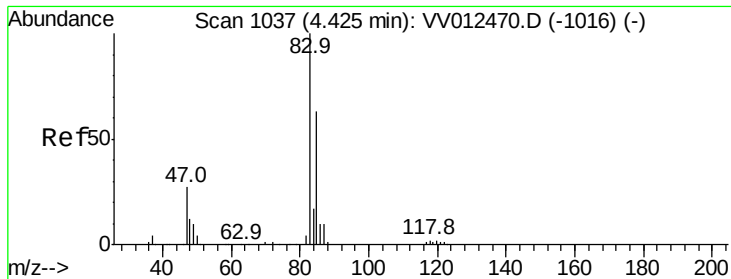
Abundance Ion 127.90 (127.60 to 128.60): VV012486.D (-904) (-)

Ion 49.10 (48.80 to 49.80): VV012486.D (-904) (-)

Ion 129.95 (129.65 to 130.65): VV012486.D (-904) (-)

Ion 51.05 (50.75 to 51.75): VV012486.D (-904) (-)





#25

Chloroform

Concen: 5.102 ug/L

RT: 4.43 min Scan# 1038

Delta R.T. 0.00 min

Lab File: VV012486.D

Acq: 31 Aug 2019 09:26

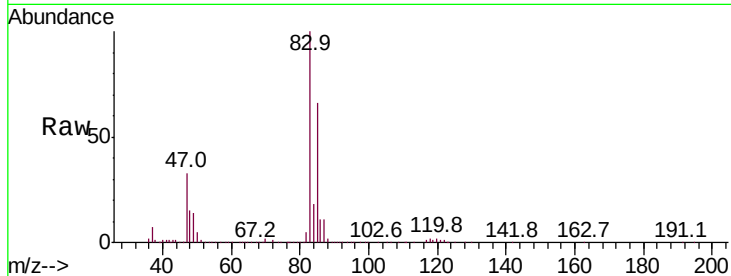
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 171151

Ion Ratio Lower Upper

83 100

85 66.1 45.4 84.4



Abundance Ion 83.05 (82.75 to 83.75): VV012470.D (-1016) (-)

Ion 85.00 (84.70 to 85.70): VV012486.D (-944) (-)

80000

60000

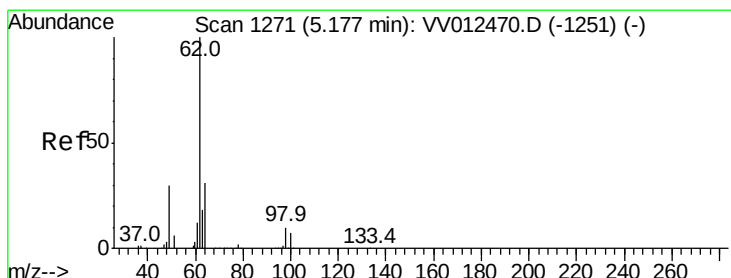
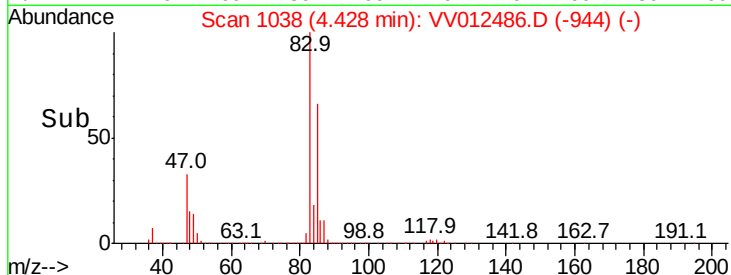
40000

20000

0

4.30 4.40 4.50

Time-->



#27

1,2-Dichloroethane

Concen: 5.543 ug/L

RT: 5.18 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VV012486.D

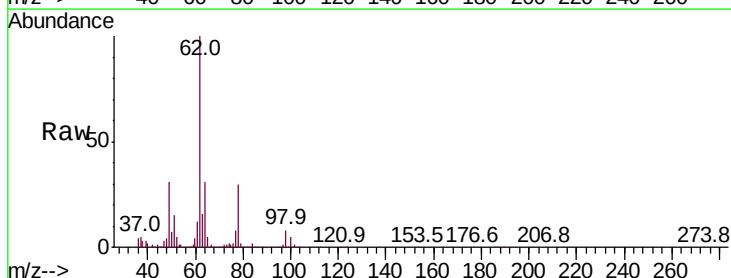
Acq: 31 Aug 2019 09:26

Tgt Ion: 62 Resp: 104284

Ion Ratio Lower Upper

62 100

98 8.0 8.3 12.5#



Abundance Ion 62.00 (61.70 to 62.70): VV012470.D (-1251) (-)

Ion 98.05 (97.75 to 98.75): VV012486.D (-1178) (-)

50000

40000

30000

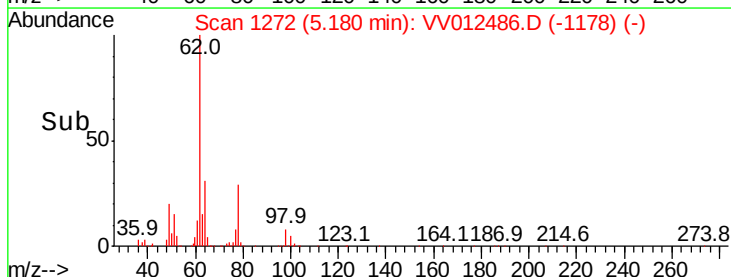
20000

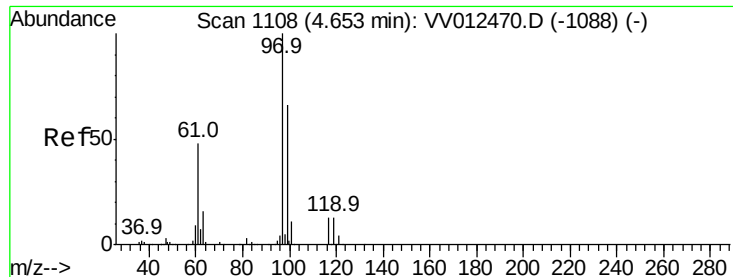
10000

0

5.10 5.20 5.30

Time-->

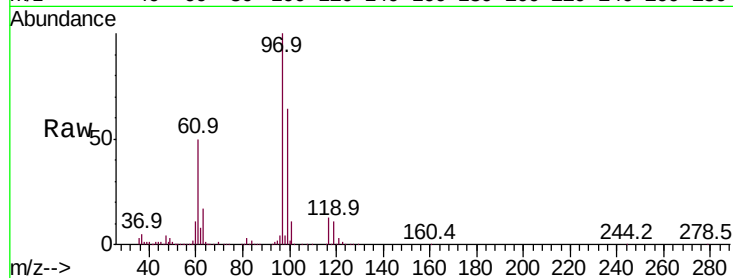




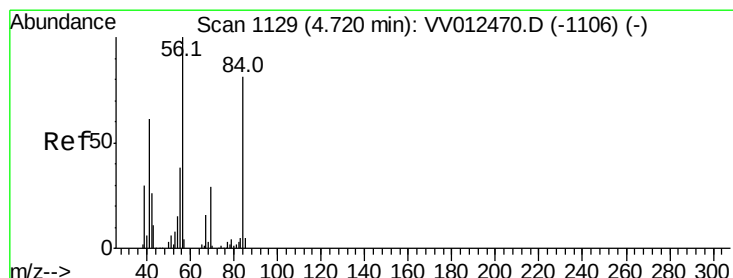
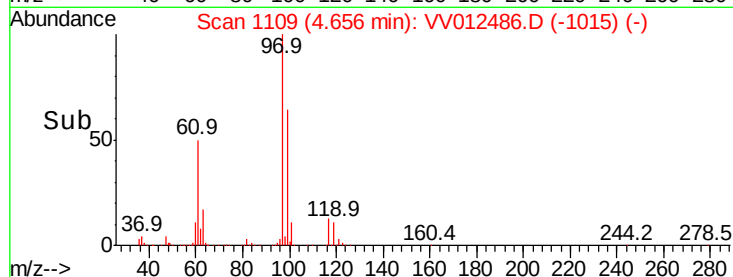
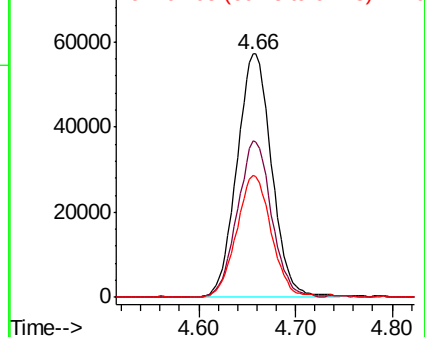
#29
 1,1,1-Trichloroethane
 Concen: 5.420 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. 0.00 min
 Lab File: VV012486.D
 Acq: 31 Aug 2019 09:26

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 97 Resp: 143043
 Ion Ratio Lower Upper
 97 100
 99 63.3 49.8 74.6
 61 50.3 36.7 55.1

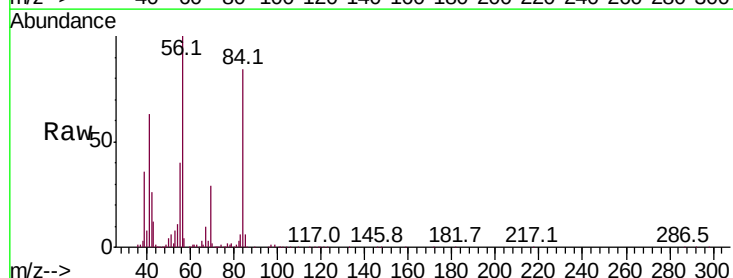


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

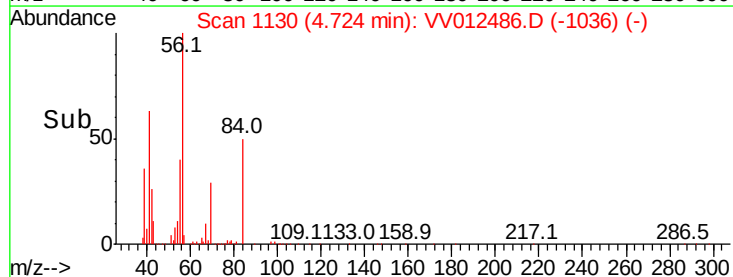
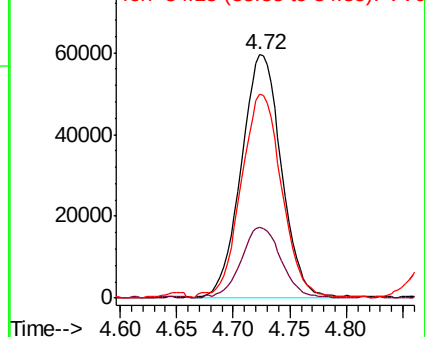


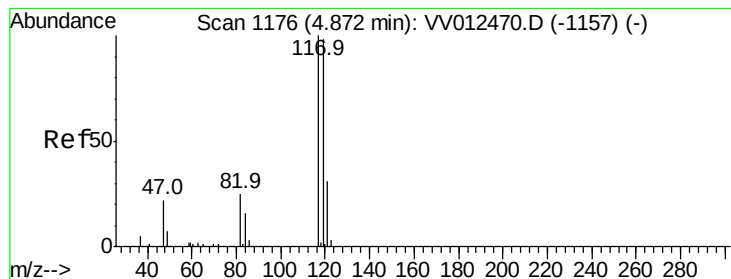
#30
 Cyclohexane
 Concen: 5.496 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. 0.00 min
 Lab File: VV012486.D
 Acq: 31 Aug 2019 09:26

Tgt Ion: 56 Resp: 146225
 Ion Ratio Lower Upper
 56 100
 69 29.7 24.4 36.6
 84 84.8 67.8 101.6



Abundance Ion 56.10 (55.80 to 56.80): VV0
 Ion 69.15 (68.85 to 69.85): VV0
 Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 5.246 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV012486.D

Acq: 31 Aug 2019 09:26

Instrument :

MSVOA_V

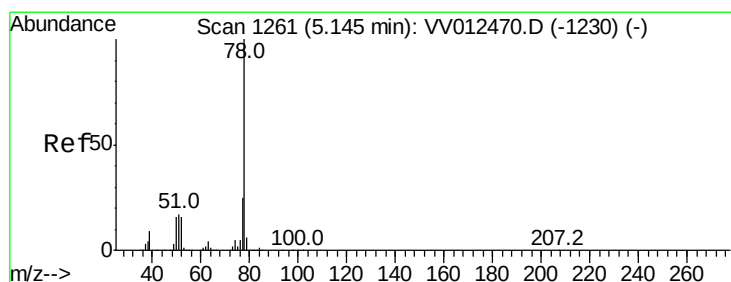
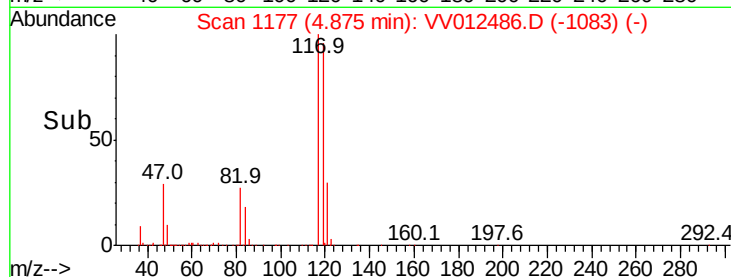
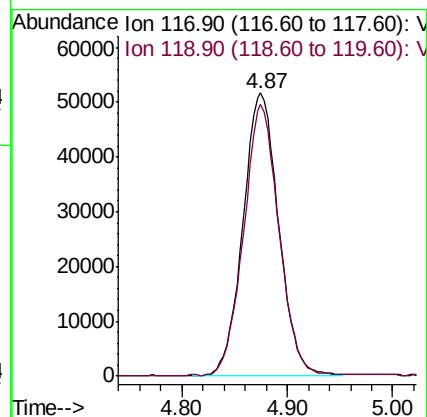
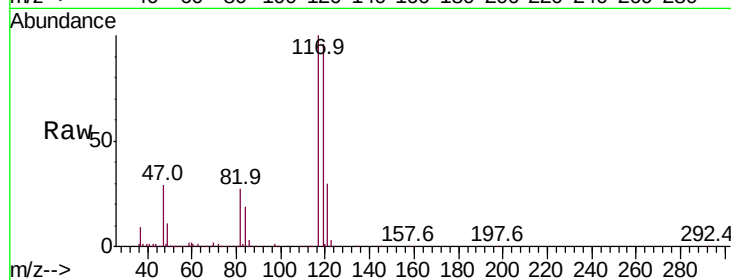
ClientSampled :

Tot Ion:117 Resp: 121786

Ion Ratio Lower Upper

117 100

119 94.0 77.8 116.8



#33

Benzene

Concen: 5.291 ug/L

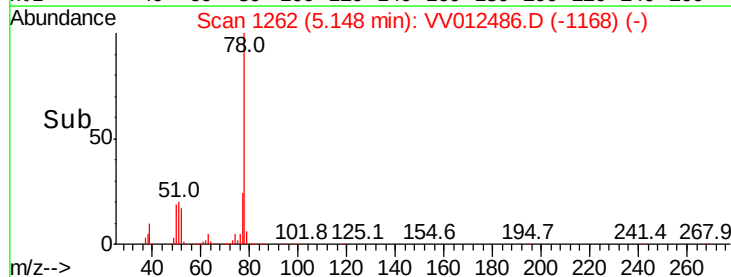
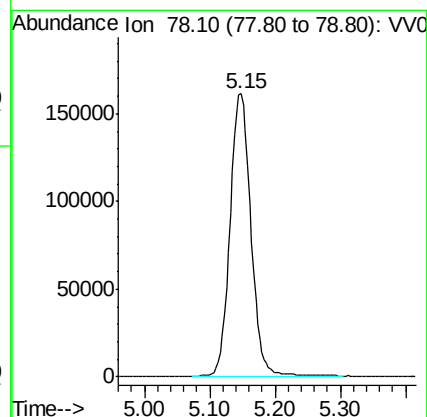
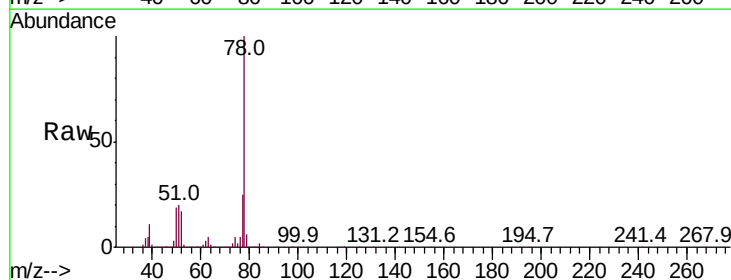
RT: 5.15 min Scan# 1262

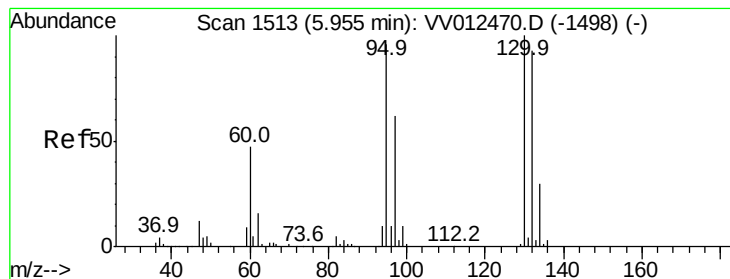
Delta R.T. 0.00 min

Lab File: VV012486.D

Acq: 31 Aug 2019 09:26

Tgt Ion: 78 Resp: 356839





#34

Trichloroethene

Concen: 5.484 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV012486.D

Acq: 31 Aug 2019 09:26

Instrument :

MSVOA_V

ClientSampled :

Tot Ion: 95 Resp: 94239

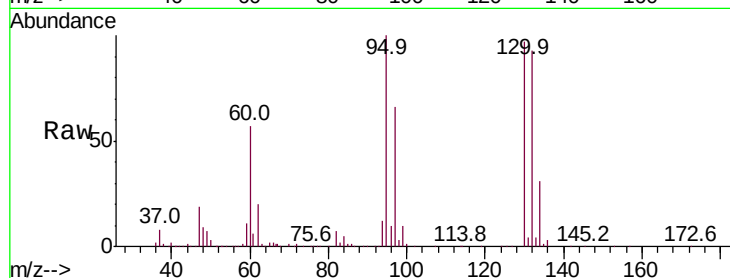
Ion Ratio Lower Upper

95 100

97 65.5 45.8 85.2

132 93.2 68.3 126.9

130 97.0 72.0 133.8

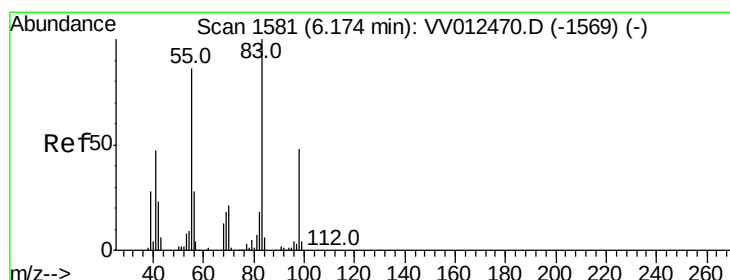
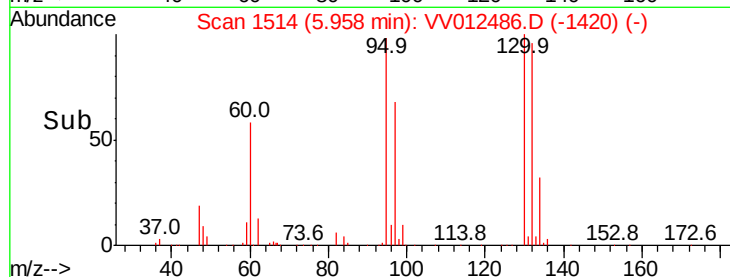
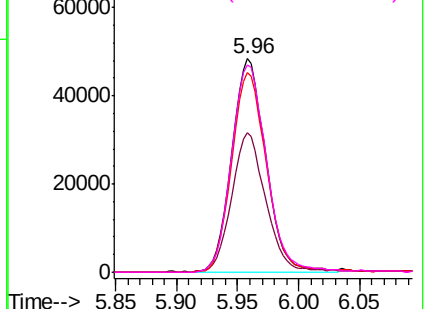


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 5.697 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VV012486.D

Acq: 31 Aug 2019 09:26

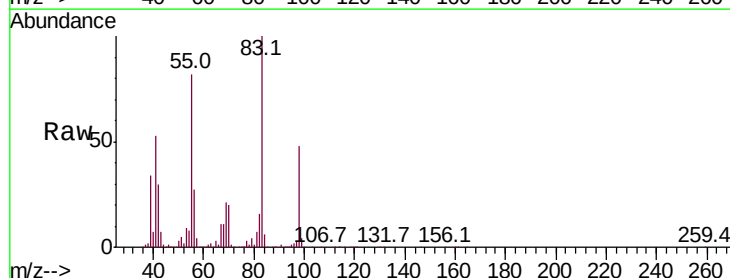
Tgt Ion: 83 Resp: 148969

Ion Ratio Lower Upper

83 100

55 80.8 67.8 101.6

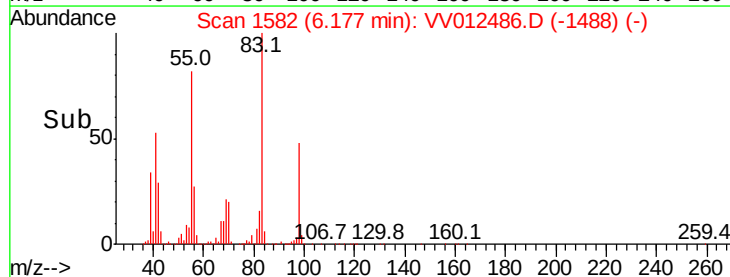
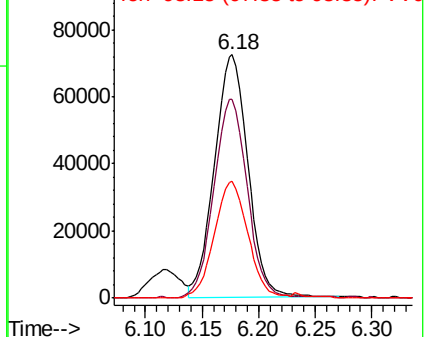
98 47.9 39.2 58.8

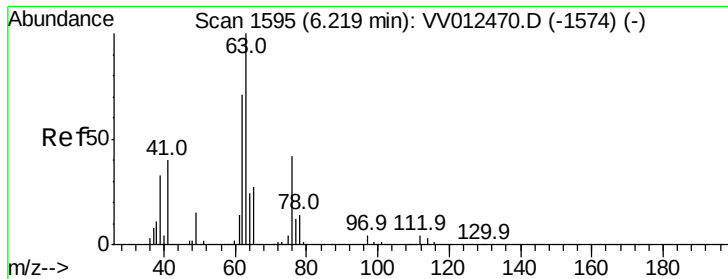


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

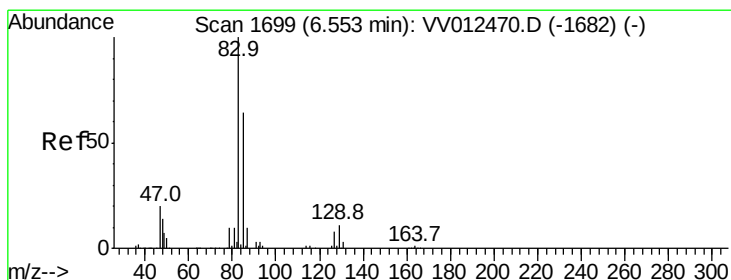
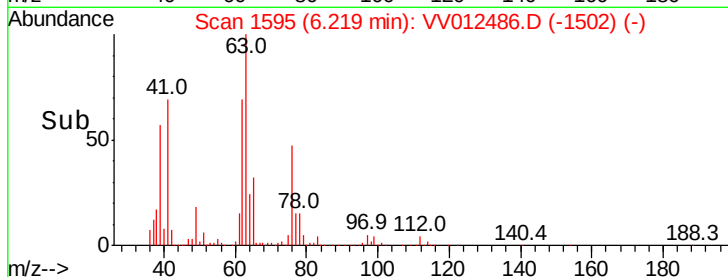
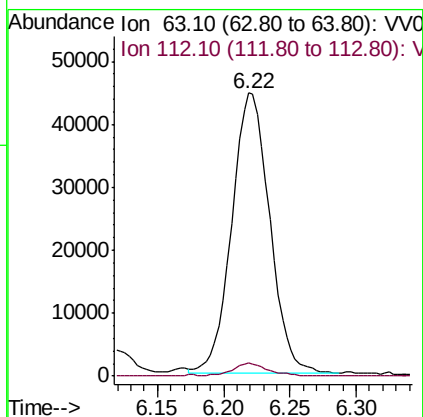
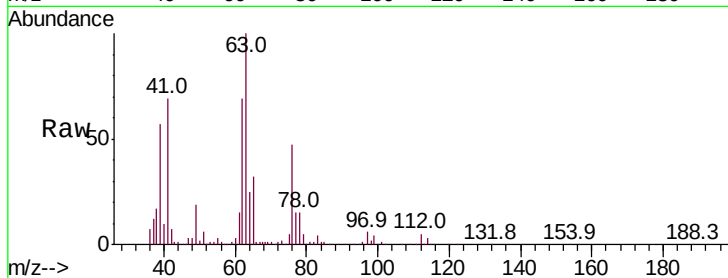




#37
 1,2-Dichloropropane
 Concen: 5.013 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VV012486.D
 Acq: 31 Aug 2019 09:26

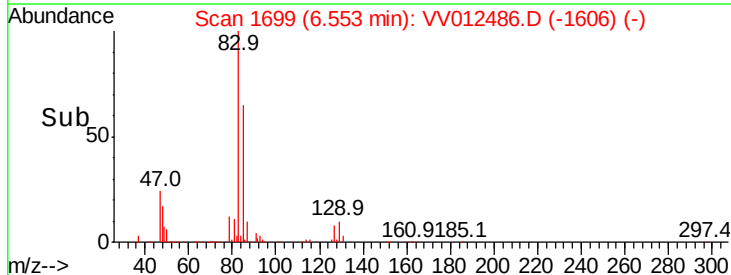
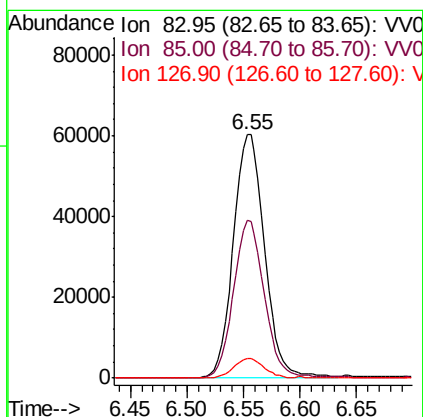
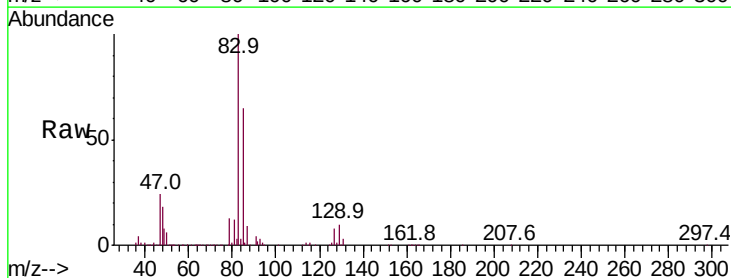
Instrument :
 MSVOA_V
 ClientSampled :

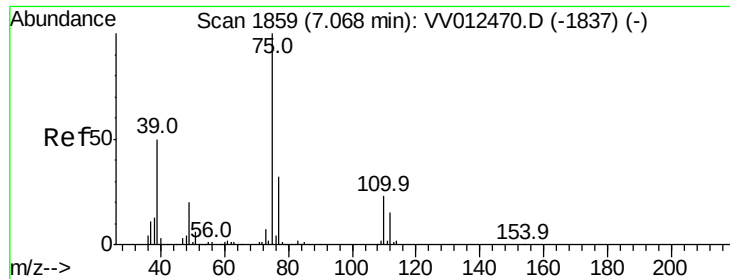
Tot Ion: 63 Resp: 88180
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.7 5.5



#38
 Bromodichloromethane
 Concen: 5.326 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VV012486.D
 Acq: 31 Aug 2019 09:26

Tgt Ion: 83 Resp: 116497
 Ion Ratio Lower Upper
 83 100
 85 64.6 45.4 84.4
 127 8.2 6.4 9.6

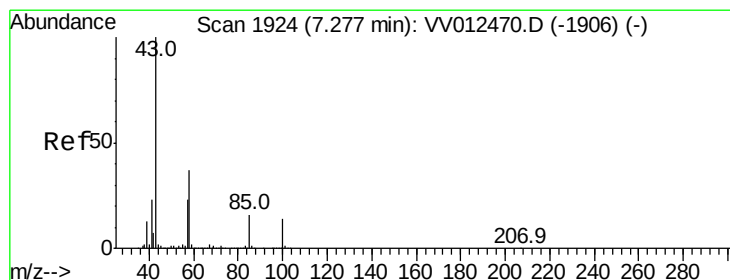
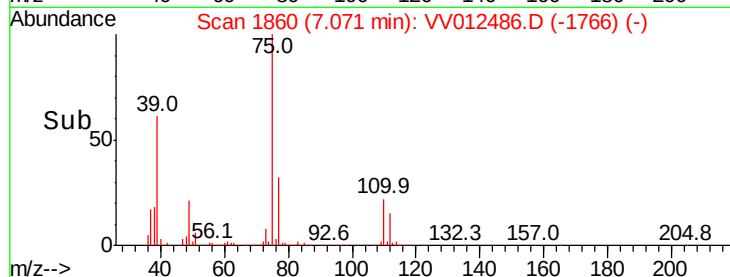
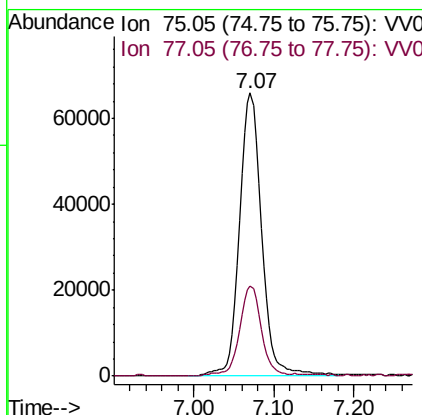
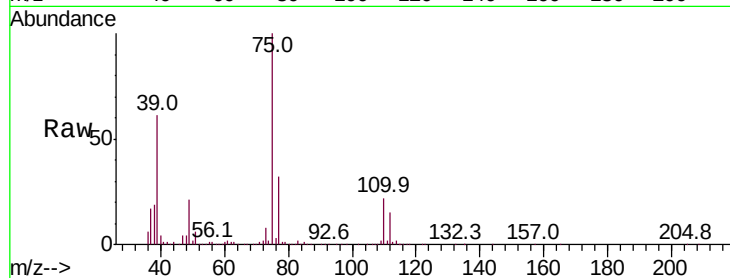




#39
 cis-1,3-Dichloropropene
 Concen: 5.390 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV012486.D
 Acq: 31 Aug 2019 09:26

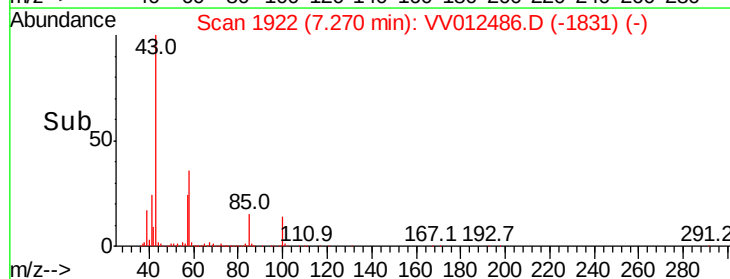
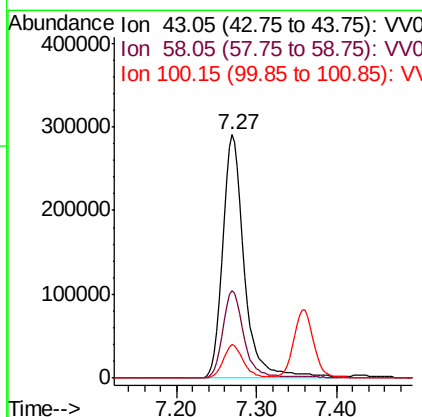
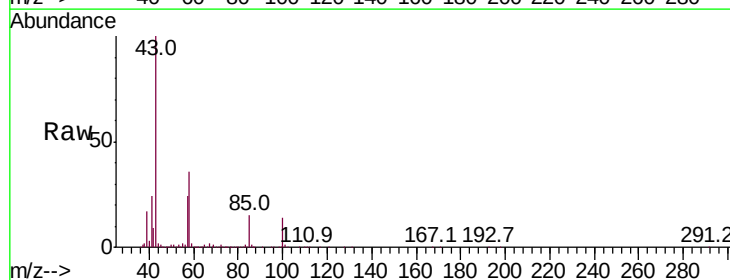
Instrument :
 MSVOA_V
 ClientSampleId :

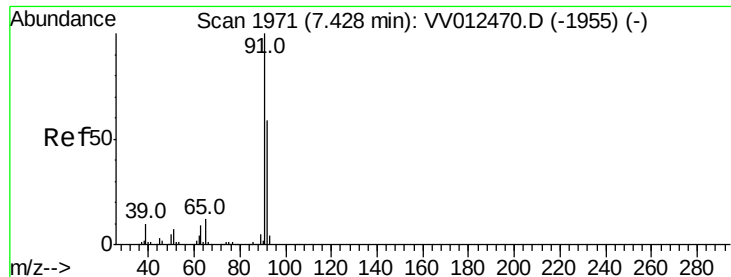
Tot Ion: 75 Resp: 122661
 Ion Ratio Lower Upper
 75 100
 77 32.0 21.8 40.6



#40
 4-Methyl-2-pentanone
 Concen: 54.269 ug/L
 RT: 7.27 min Scan# 1922
 Delta R.T. -0.01 min
 Lab File: VV012486.D
 Acq: 31 Aug 2019 09:26

Tgt Ion: 43 Resp: 541010
 Ion Ratio Lower Upper
 43 100
 58 35.1 29.7 44.5
 100 12.9 10.8 16.2





#42

Toluene

Concen: 5.668 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV012486.D

Acq: 31 Aug 2019 09:26

Instrument :

MSVOA_V

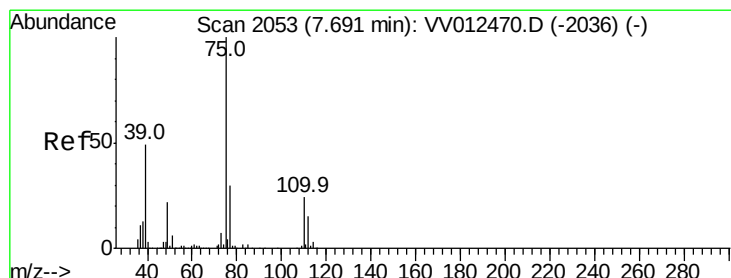
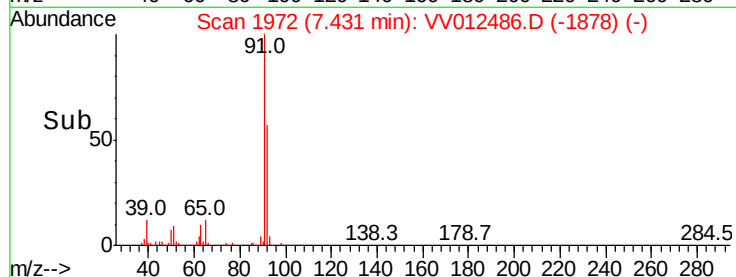
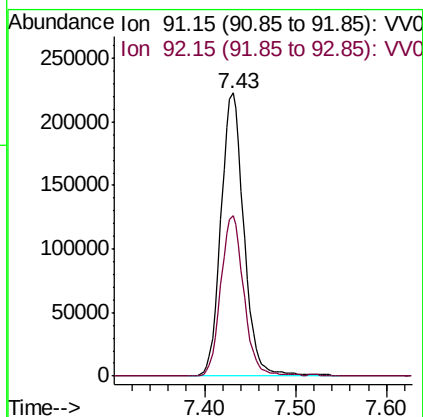
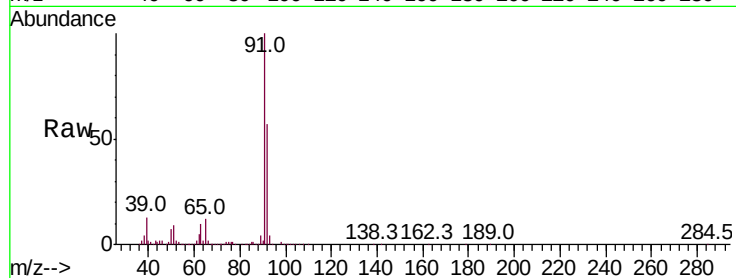
ClientSampleId :

Tot Ion: 91 Resp: 391301

Ion Ratio Lower Upper

91 100

92 56.5 41.2 76.6



#44

trans-1,3-Dichloropropene

Concen: 5.470 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV012486.D

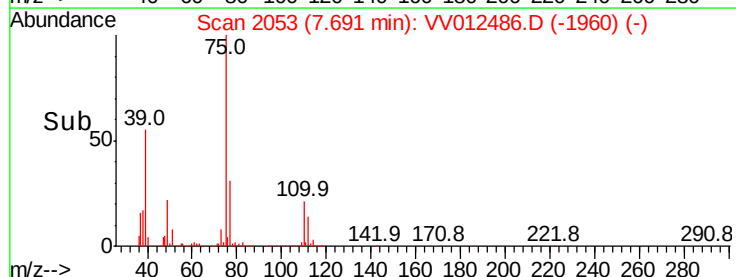
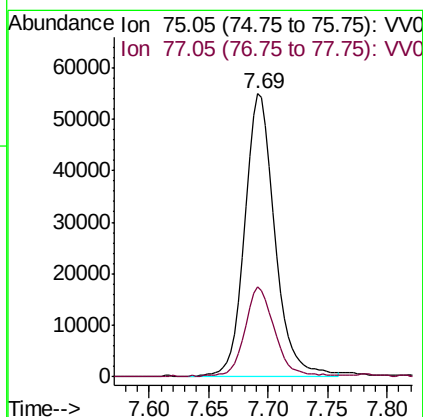
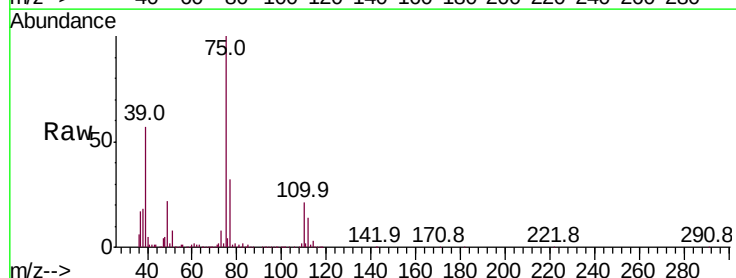
Acq: 31 Aug 2019 09:26

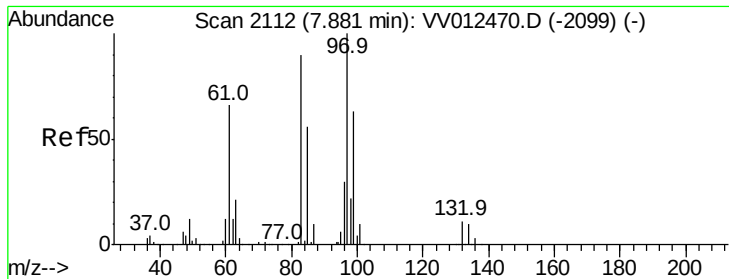
Tgt Ion: 75 Resp: 96705

Ion Ratio Lower Upper

75 100

77 31.6 20.6 38.4





#45

1,1,2-Trichloroethane

Concen: 4.943 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VV012486.D

Acq: 31 Aug 2019 09:26

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 97 Resp: 57679

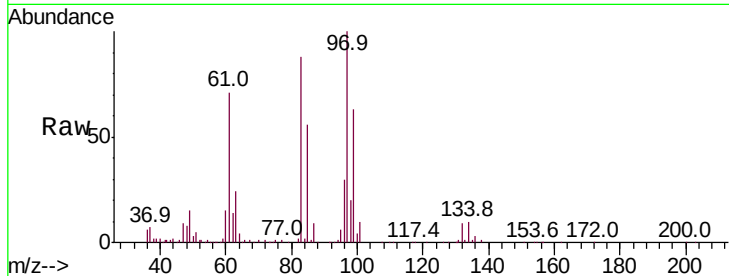
Ion Ratio Lower Upper

97 100

99 62.8 43.3 80.3

83 88.4 61.2 113.6

85 55.9 40.0 74.4

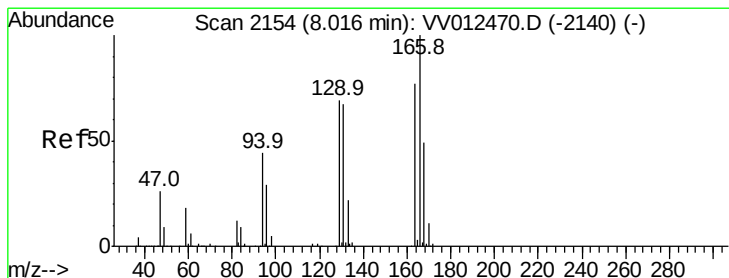
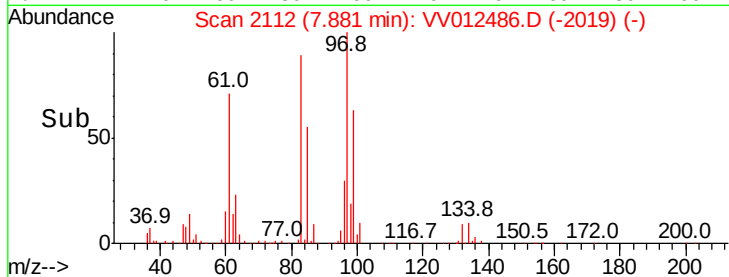
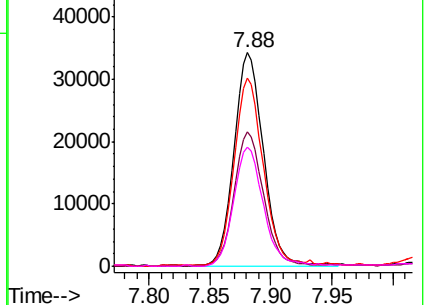


Abundance Ion 96.95 (96.65 to 97.65): VV0

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: 5.093 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV012486.D

Acq: 31 Aug 2019 09:26

Tgt Ion: 164 Resp: 70058

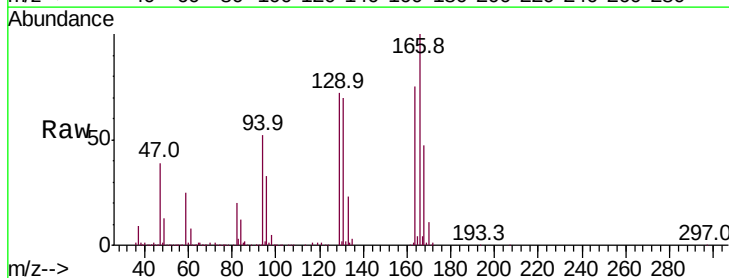
Ion Ratio Lower Upper

164 100

129 95.3 65.6 121.8

131 93.5 63.3 117.5

166 132.8 89.4 166.0

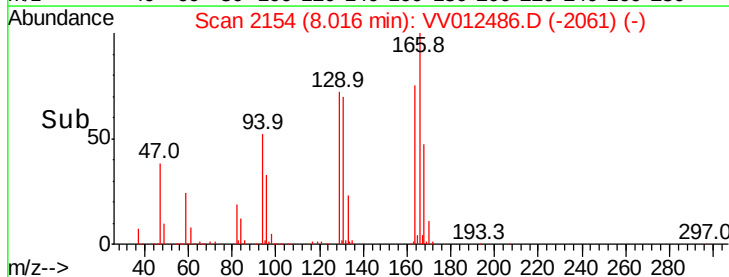
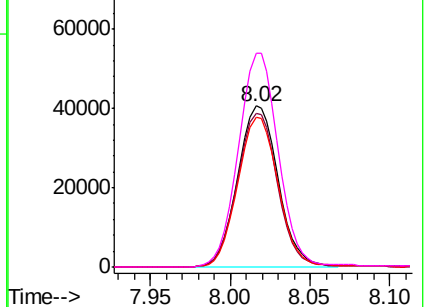


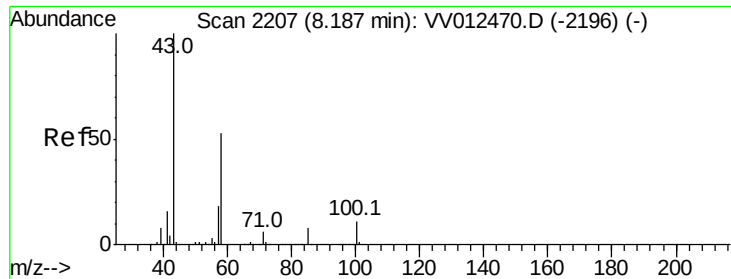
Abundance Ion 163.90 (163.60 to 164.60): V

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

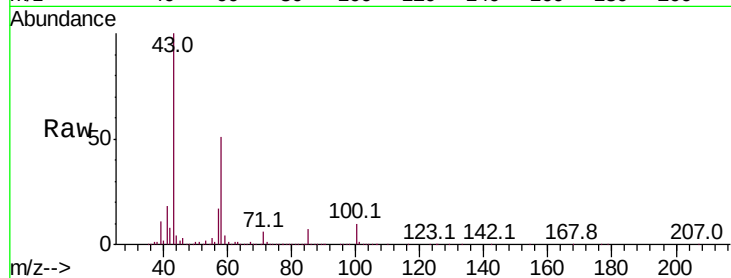




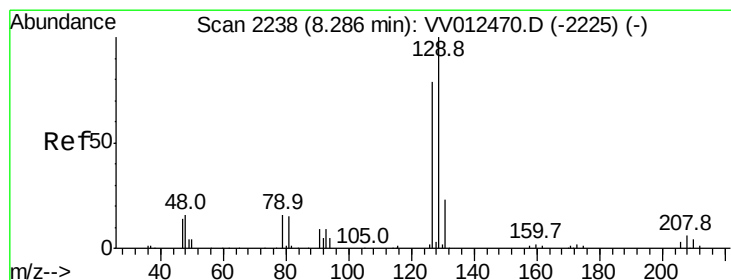
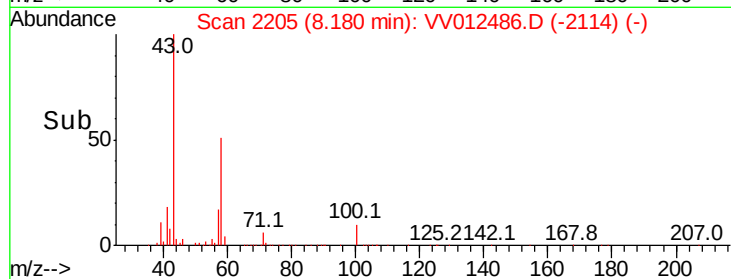
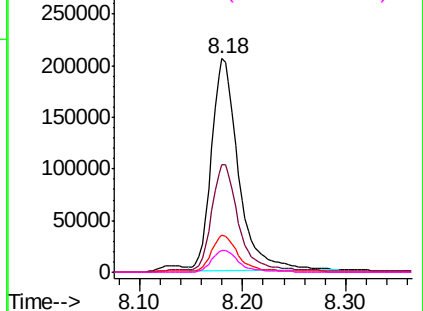
#48
2-Hexanone
Concen: 55.303 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. -0.01 min
Lab File: VV012486.D
Acq: 31 Aug 2019 09:26

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 375483
Ion Ratio Lower Upper
43 100
58 50.2 43.6 65.4
57 17.0 14.2 21.2
100 10.8 8.9 13.3

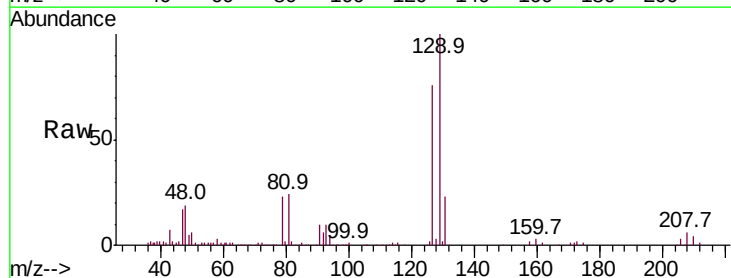


Abundance Ion 43.05 (42.75 to 43.75): VV012470.D (-2196) (-)
Ion 58.05 (57.75 to 58.75): VV012470.D (-2196) (-)
Ion 57.20 (56.90 to 57.90): VV012470.D (-2196) (-)
Ion 100.15 (99.85 to 100.85): VV012470.D (-2196) (-)

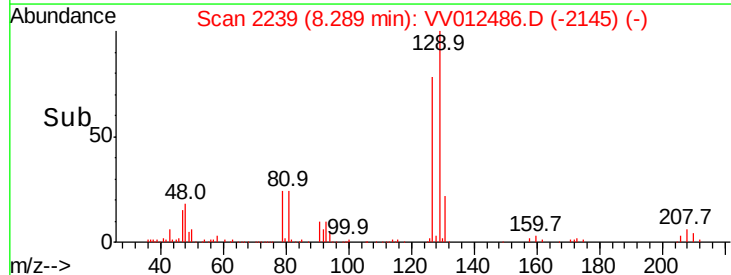
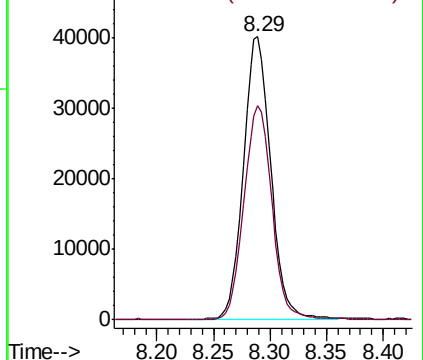


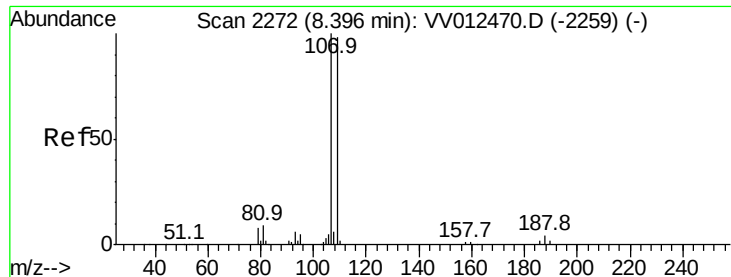
#49
Dibromochloromethane
Concen: 5.082 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV012486.D
Acq: 31 Aug 2019 09:26

Tgt Ion: 129 Resp: 68280
Ion Ratio Lower Upper
129 100
127 75.9 53.6 99.6



Abundance Ion 128.95 (128.65 to 129.65): VV012470.D (-2225) (-)
Ion 126.90 (126.60 to 127.60): VV012470.D (-2225) (-)

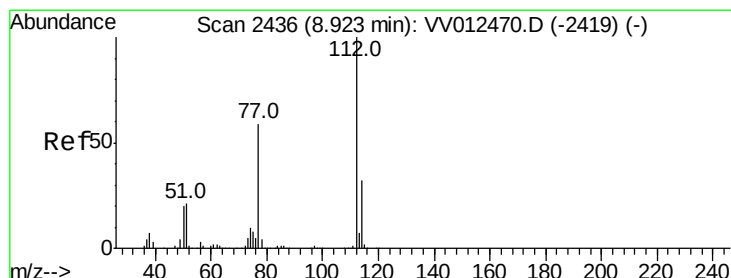
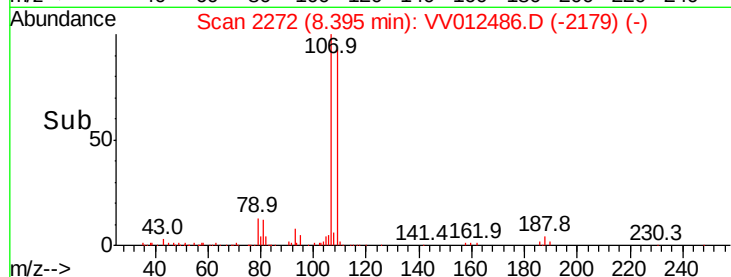
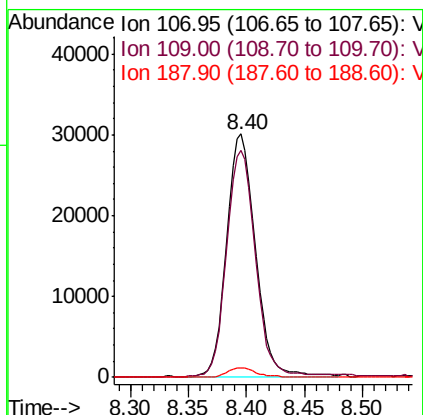
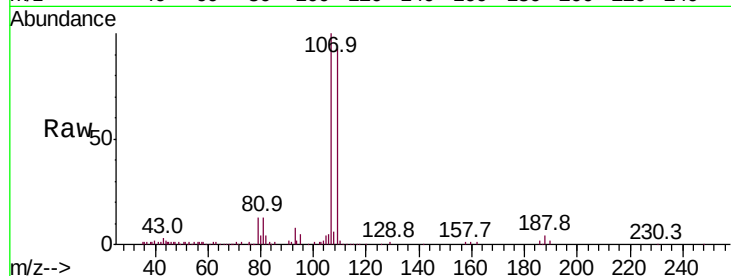




#50
 1,2-Dibromoethane
 Concen: 5.045 ug/L
 RT: 8.40 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VV012486.D
 Acq: 31 Aug 2019 09:26

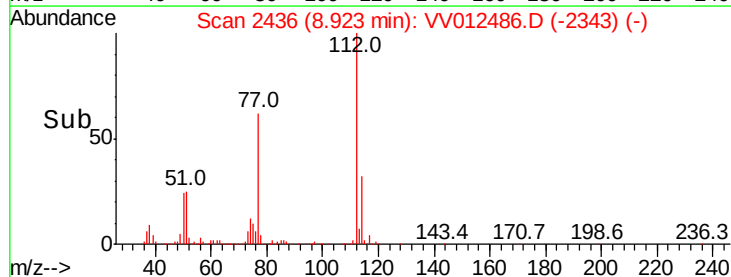
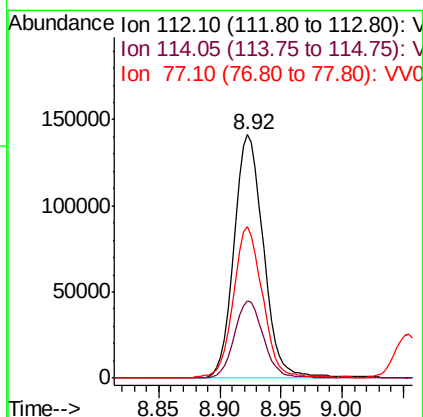
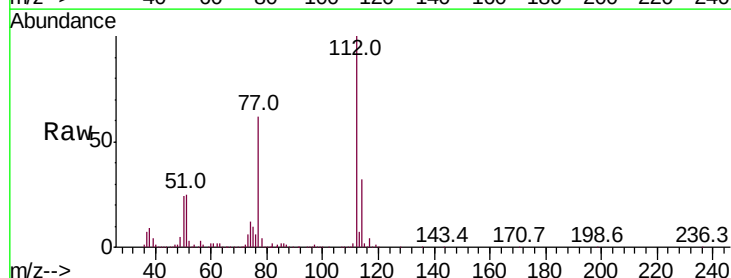
Instrument :
 MSVOA_V
 ClientSampleId :

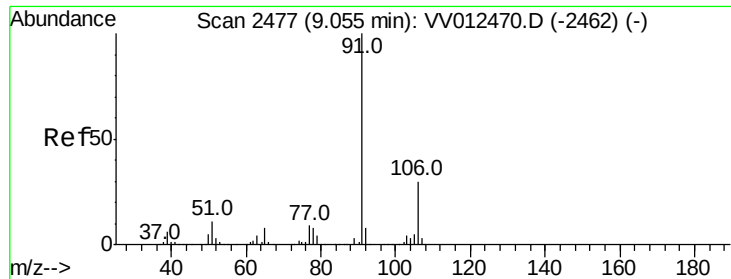
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.5	65.0	120.8
188	4.1	2.8	4.2



#51
 Chlorobenzene
 Concen: 5.407 ug/L
 RT: 8.92 min Scan# 2436
 Delta R.T. -0.00 min
 Lab File: VV012486.D
 Acq: 31 Aug 2019 09:26

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.7	22.7	42.3
77	62.1	49.0	73.6





#52

Ethylbenzene

Concen: 5.790 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV012486.D

Acq: 31 Aug 2019 09:26

Instrument :

MSVOA_V

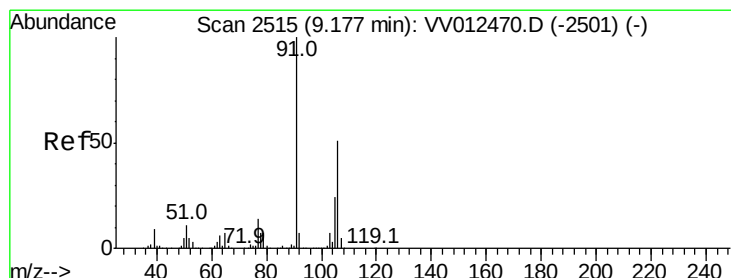
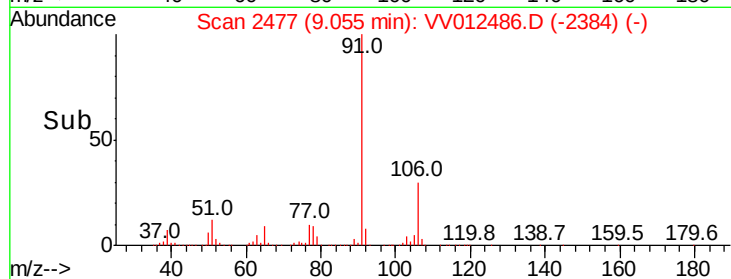
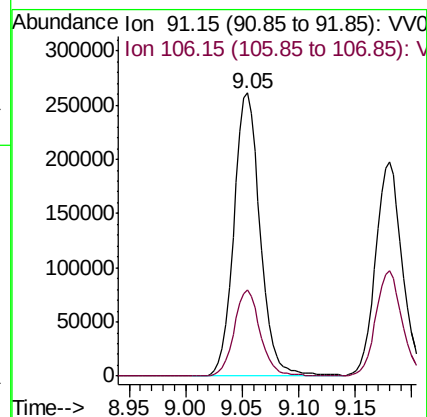
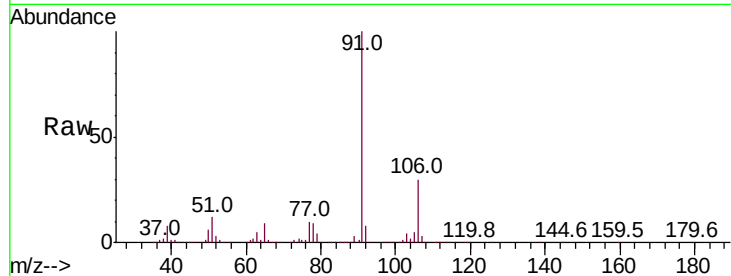
ClientSampled :

Tot Ion: 91 Resp: 422473

Ion Ratio Lower Upper

91 100

106 30.3 21.1 39.3



#53

m,p-xylene

Concen: 5.817 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV012486.D

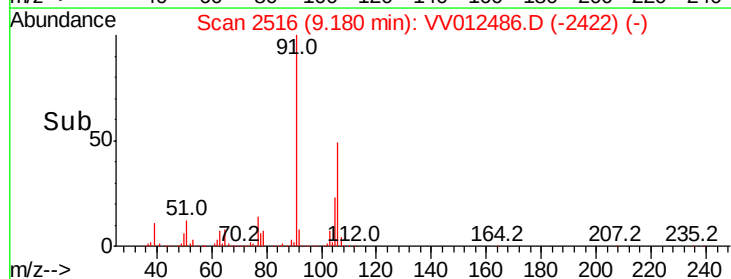
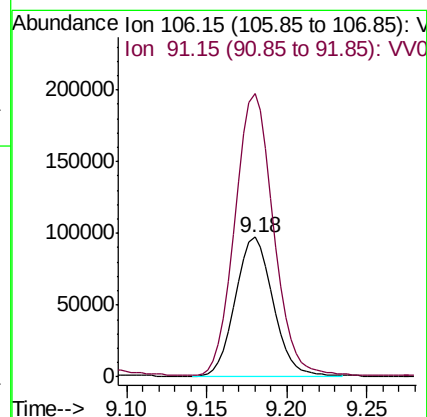
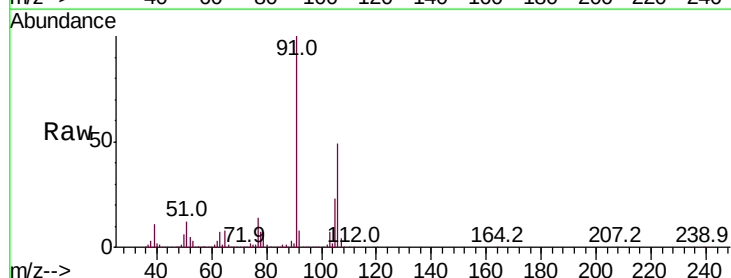
Acq: 31 Aug 2019 09:26

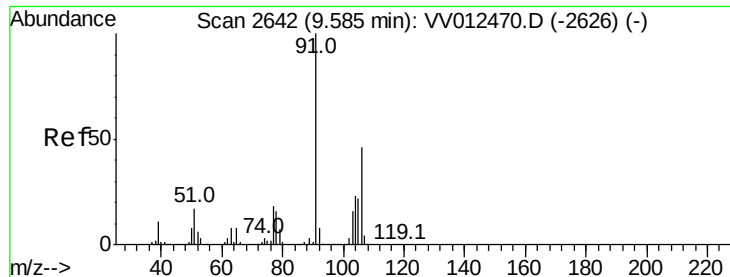
Tgt Ion: 106 Resp: 155588

Ion Ratio Lower Upper

106 100

91 202.6 141.3 262.3





#54

o-xylene

Concen: 5.819 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. -0.00 min

Lab File: VV012486.D

Acq: 31 Aug 2019 09:26

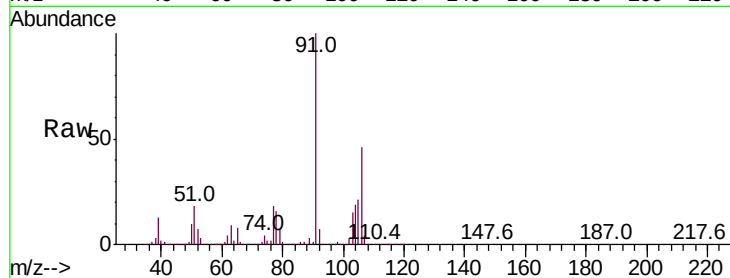
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 151947

Ion Ratio Lower Upper

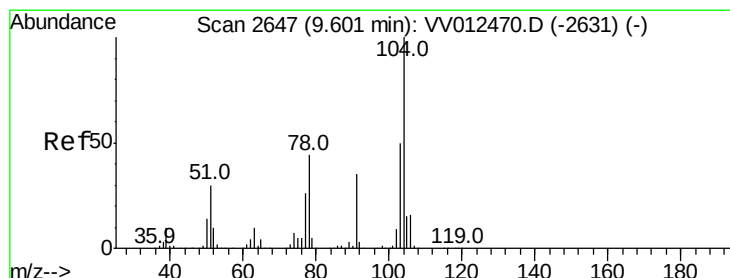
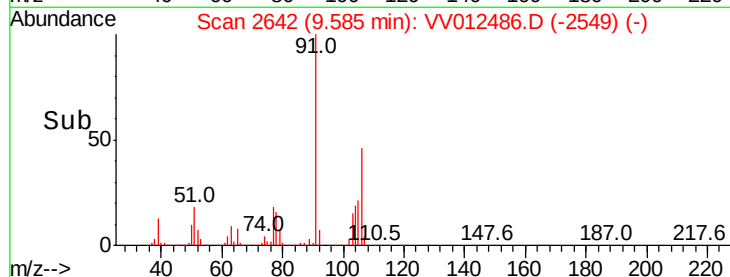
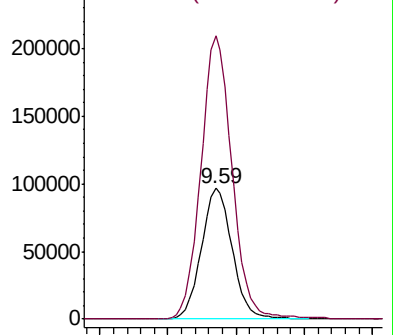
106 100

91 216.2 155.6 289.0



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.752 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. -0.00 min

Lab File: VV012486.D

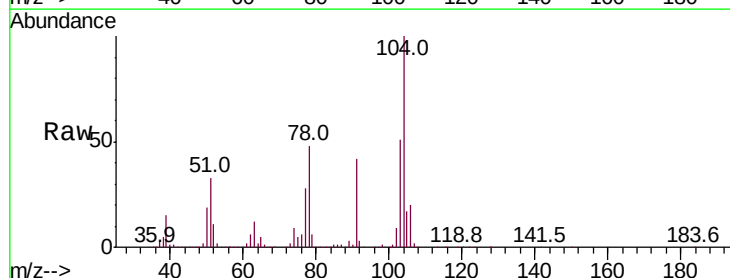
Acq: 31 Aug 2019 09:26

Tgt Ion:104 Resp: 252146

Ion Ratio Lower Upper

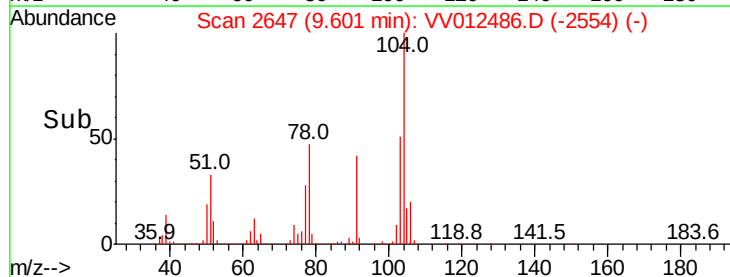
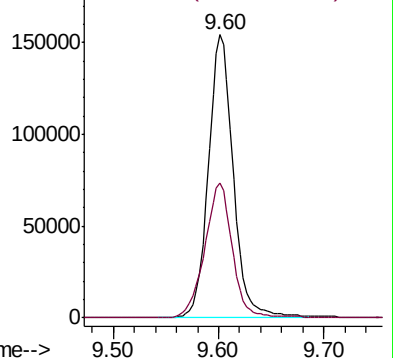
104 100

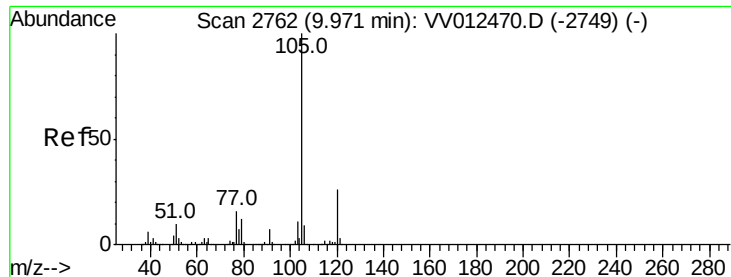
78 47.5 31.8 59.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.971 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV012486.D

Acq: 31 Aug 2019 09:26

Instrument :

MSVOA_V

ClientSampleId :

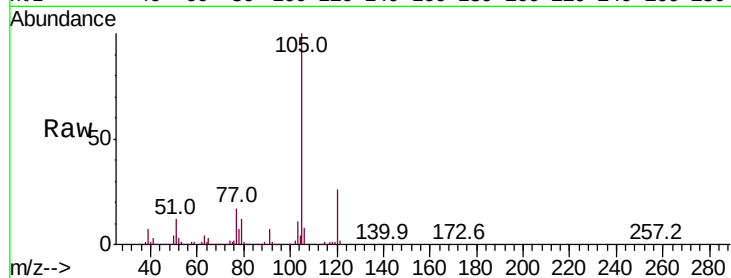
Tot Ion:105 Resp: 410569

Ion Ratio Lower Upper

105 100

120 25.7 20.6 31.0

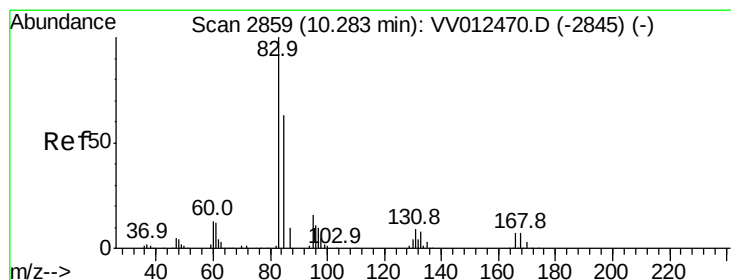
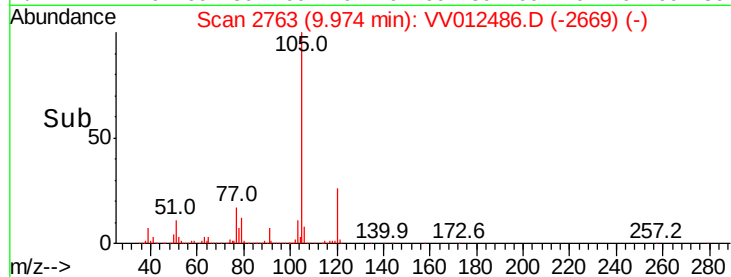
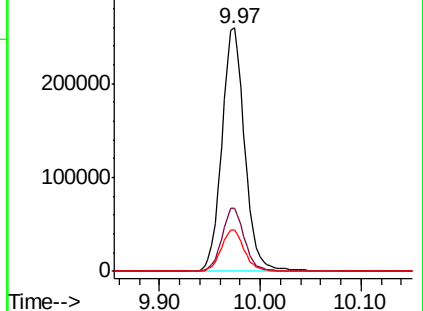
77 17.0 12.7 19.1



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: 4.665 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VV012486.D

Acq: 31 Aug 2019 09:26

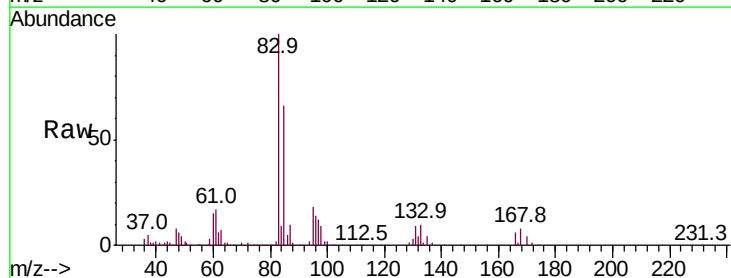
Tgt Ion: 83 Resp: 64034

Ion Ratio Lower Upper

83 100

85 66.3 45.0 83.6

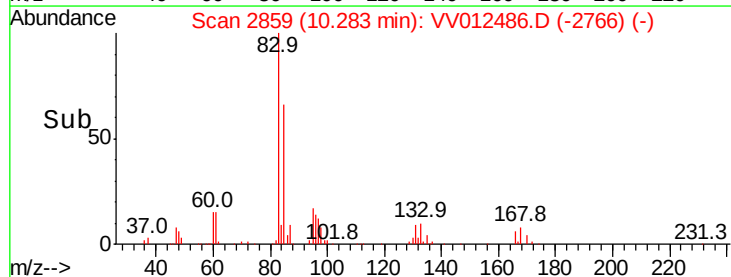
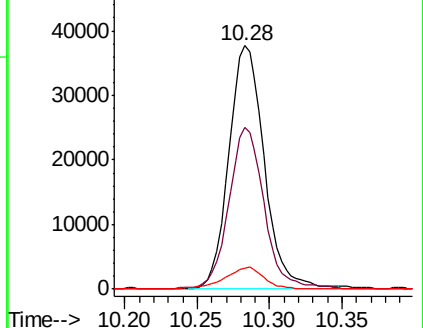
131 8.8 7.4 11.2

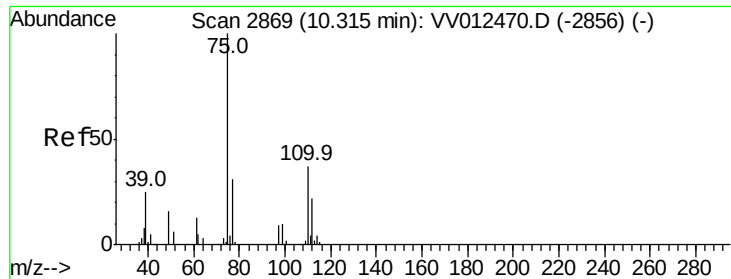


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.023 ug/L

RT: 10.31 min Scan# 2869

Delta R.T. -0.00 min

Lab File: VV012486.D

Acq: 31 Aug 2019 09:26

Instrument :

MSVOA_V

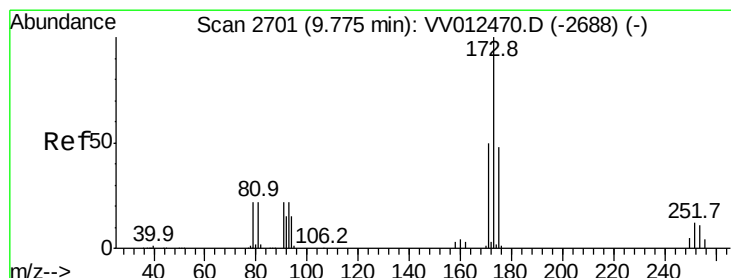
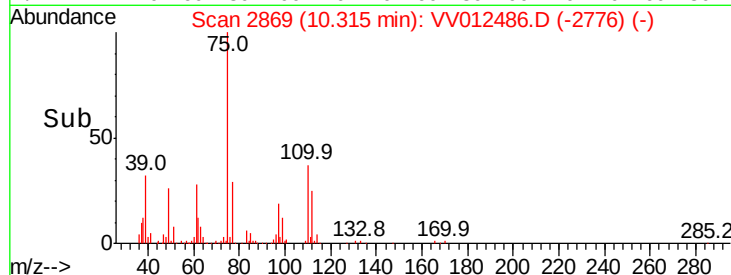
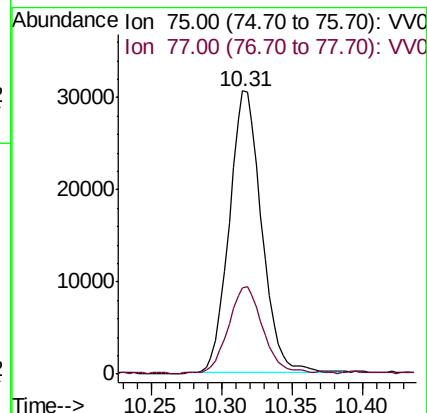
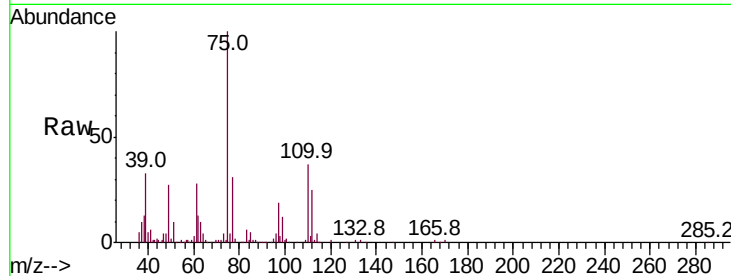
ClientSampleId :

Tot Ion: 75 Resp: 49071

Ion Ratio Lower Upper

75 100

77 33.7 25.2 37.8



#61

Bromoform

Concen: 4.412 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VV012486.D

Acq: 31 Aug 2019 09:26

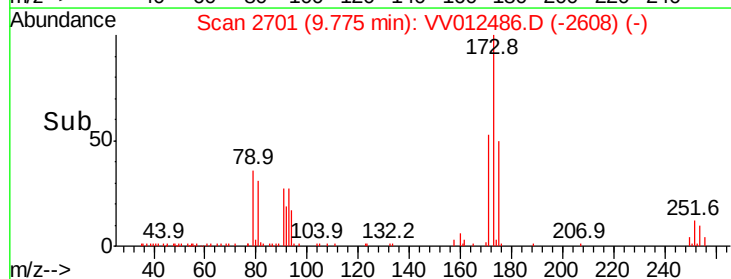
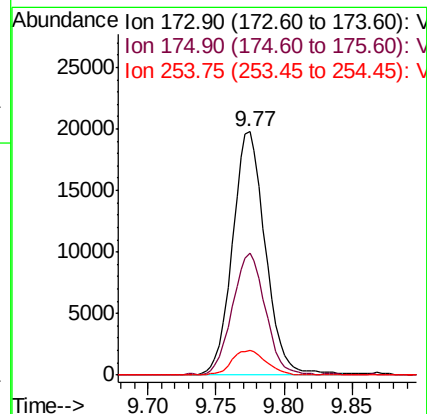
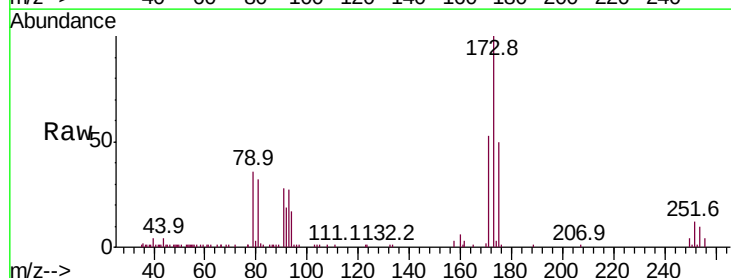
Tgt Ion: 173 Resp: 33163

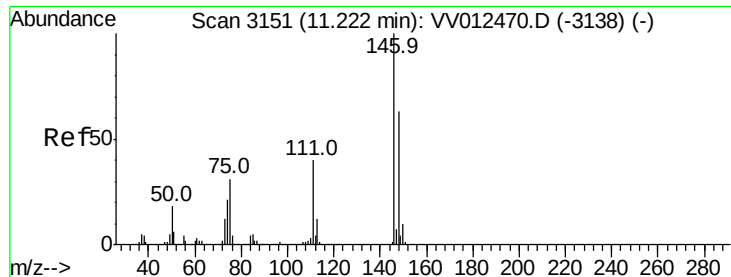
Ion Ratio Lower Upper

173 100

175 50.2 39.0 58.6

254 10.7 8.4 12.6





#62

1,3-Dichlorobenzene

Concen: 5.435 ug/L

RT: 11.22 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV012486.D

Acq: 31 Aug 2019 09:26

Instrument :

MSVOA_V

ClientSampled :

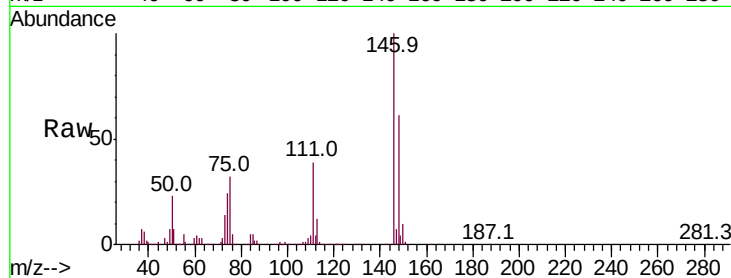
Tot Ion:146 Resp: 183837

Ion Ratio Lower Upper

146 100

111 39.4 27.6 51.4

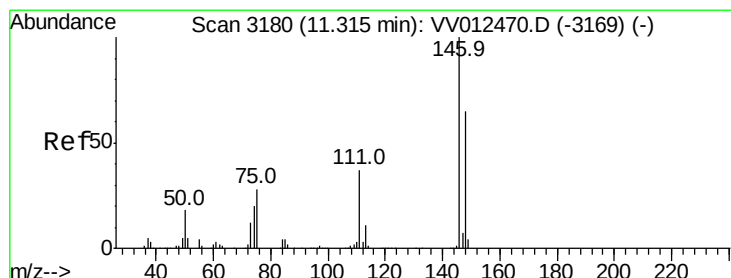
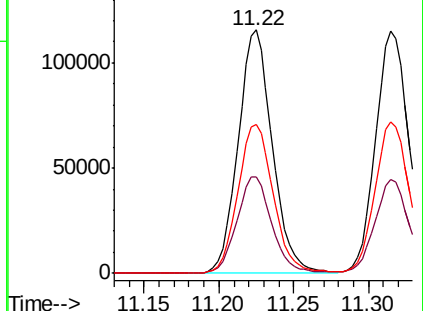
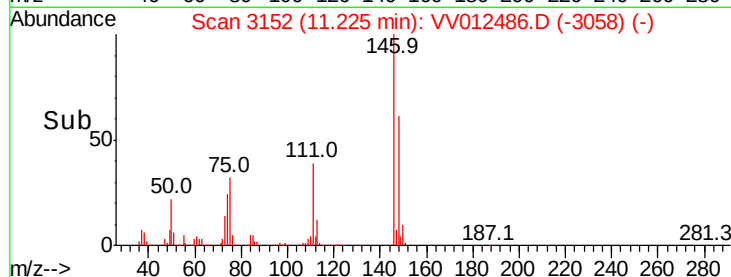
148 61.4 45.8 85.2



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: 5.402 ug/L

RT: 11.31 min Scan# 3180

Delta R.T. -0.00 min

Lab File: VV012486.D

Acq: 31 Aug 2019 09:26

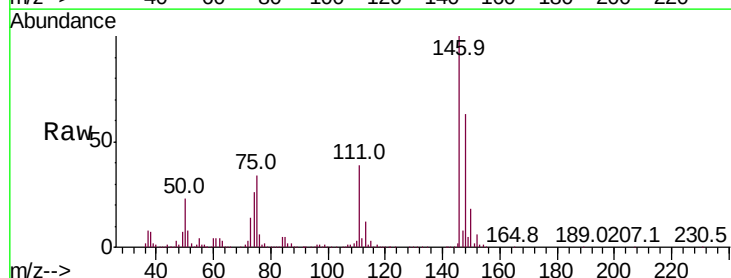
Tgt Ion:146 Resp: 183073

Ion Ratio Lower Upper

146 100

111 38.9 26.8 49.8

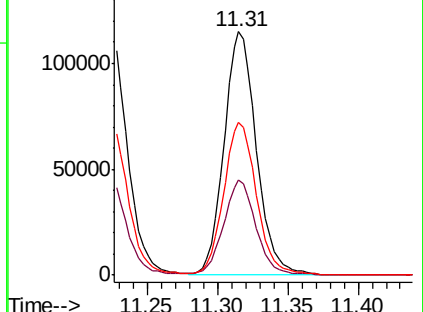
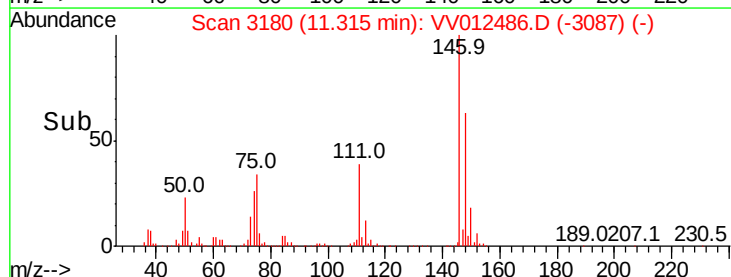
148 62.7 44.5 82.7

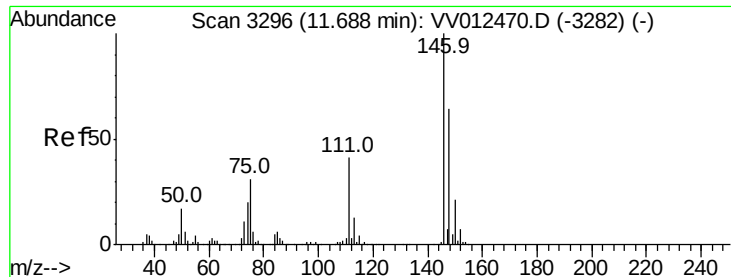


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

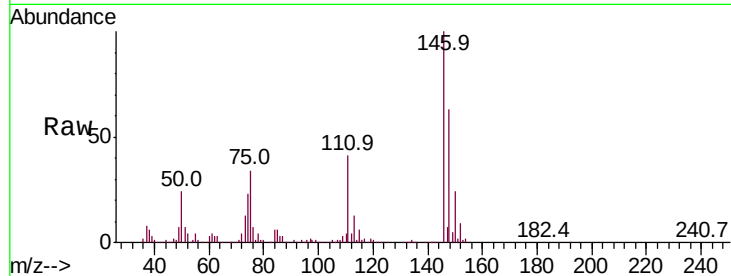




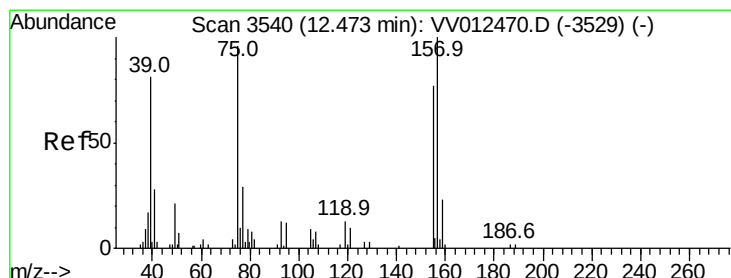
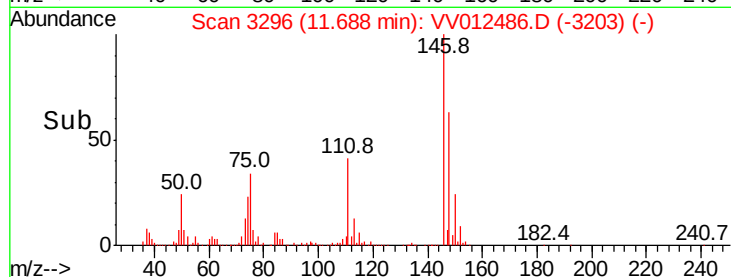
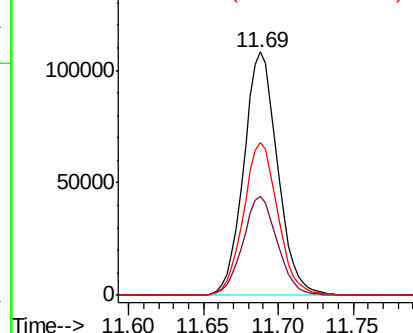
#65
 1,2-Dichlorobenzene
 Concen: 5.329 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. -0.00 min
 Lab File: VV012486.D
 Acq: 31 Aug 2019 09:26

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:146 Resp: 169941
 Ion Ratio Lower Upper
 146 100
 111 40.5 32.5 48.7
 148 62.8 50.2 75.4

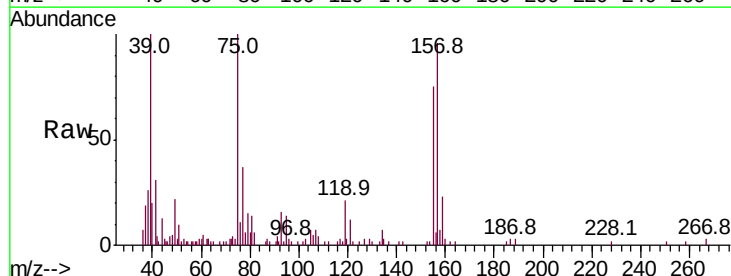


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

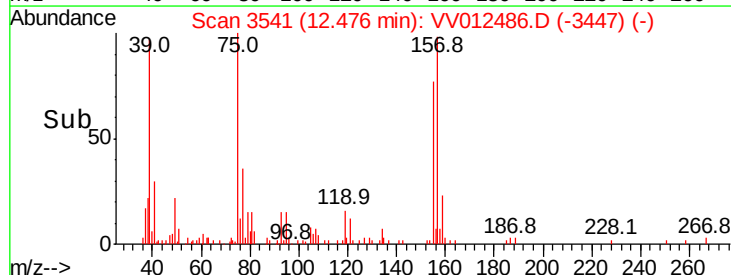
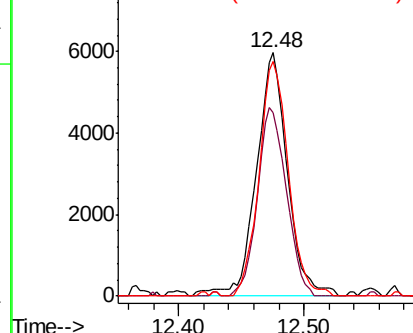


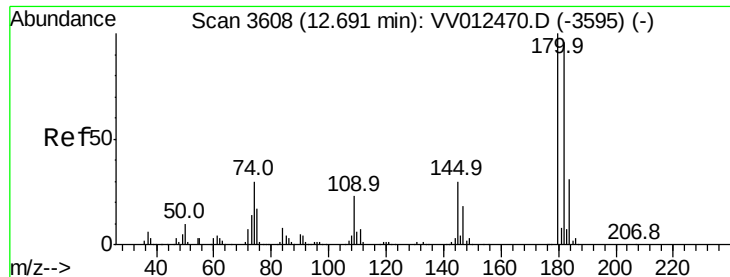
#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.788 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. 0.00 min
 Lab File: VV012486.D
 Acq: 31 Aug 2019 09:26

Tgt Ion: 75 Resp: 10278
 Ion Ratio Lower Upper
 75 100
 155 75.5 68.6 102.8
 157 96.3 88.6 133.0



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

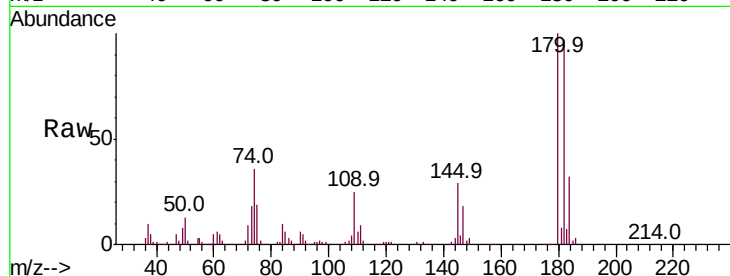




#67
 1,3,5-Trichlorobenzene
 Concen: 5.406 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. -0.00 min
 Lab File: VV012486.D
 Acq: 31 Aug 2019 09:26

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.6	115.0
184	31.1	24.8	37.2
145	29.2	22.8	34.2



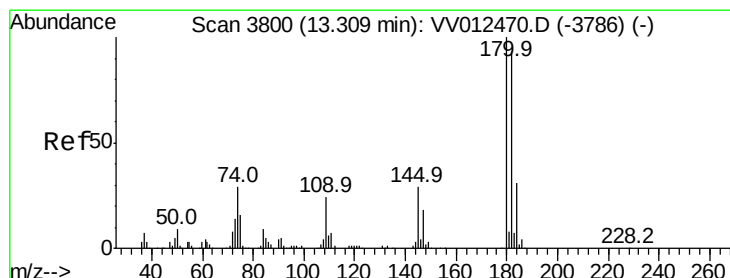
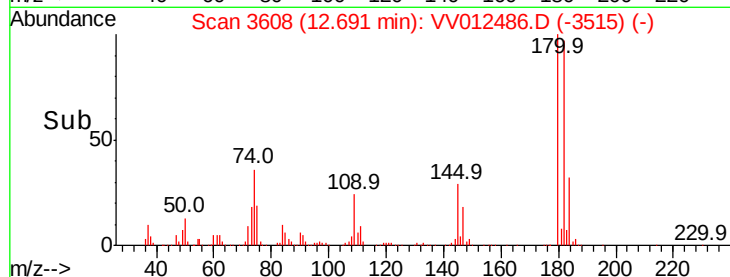
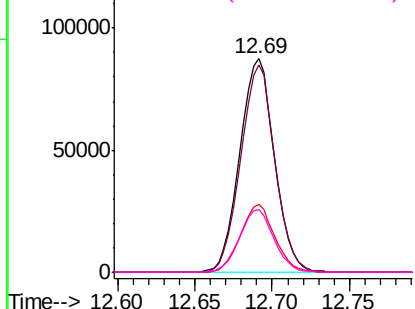
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

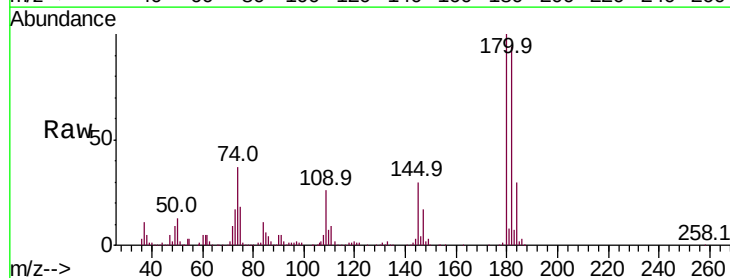
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.648 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. -0.00 min
 Lab File: VV012486.D
 Acq: 31 Aug 2019 09:26

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.5	78.1	117.1
145	29.7	23.4	35.0

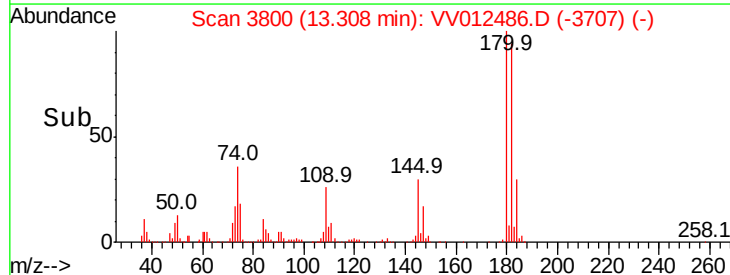
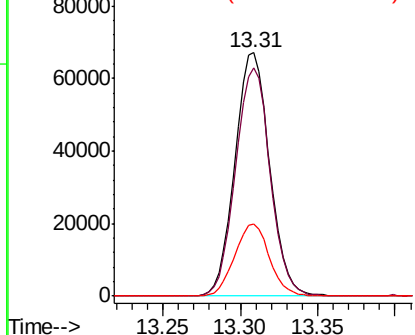


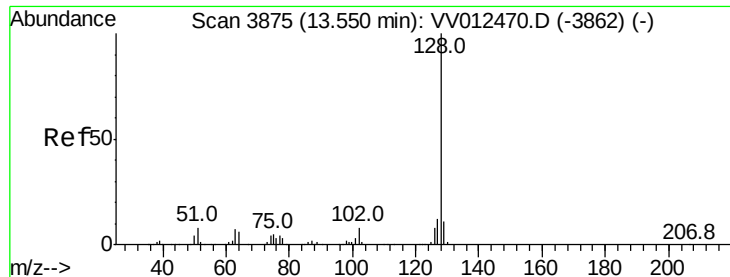
Abundance

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: 6.387 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. -0.00 min

Lab File: VV012486.D

Acq: 31 Aug 2019 09:26

Instrument :

MSVOA_V

ClientSampled :

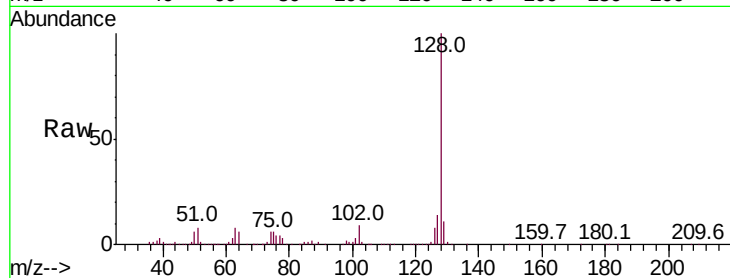
Tot Ion:128 Resp: 171021

Ion Ratio Lower Upper

128 100

129 11.0 8.6 13.0

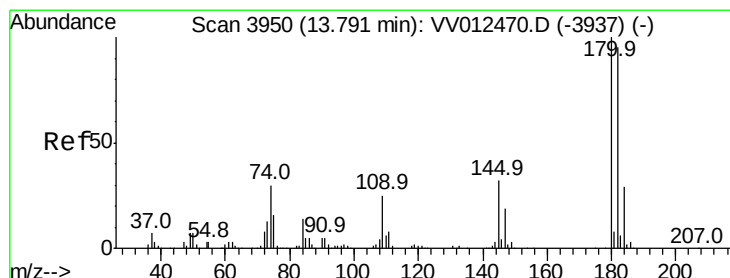
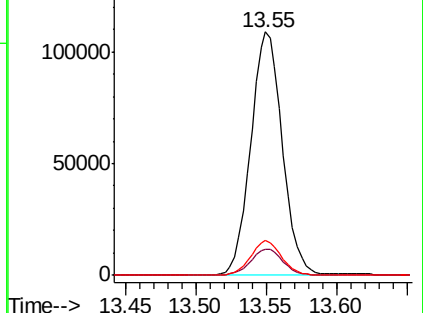
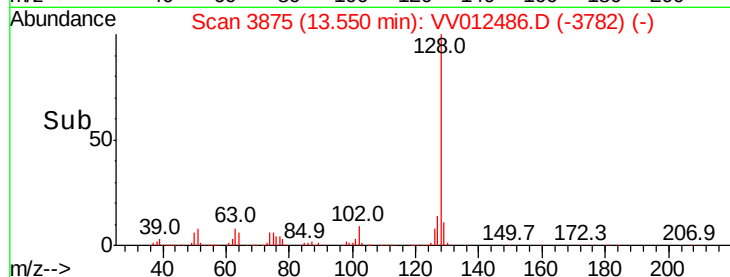
127 14.0 10.7 16.1



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: 5.239 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VV012486.D

Acq: 31 Aug 2019 09:26

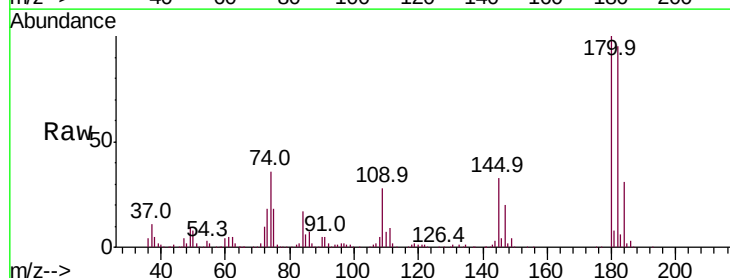
Tgt Ion:180 Resp: 93116

Ion Ratio Lower Upper

180 100

182 96.3 77.5 116.3

145 31.9 25.0 37.6



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

