

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091619\
 Data File : VV012827.D
 Acq On : 16 Sep 2019 09:58
 Operator : SY/MD
 Sample : VSTD00535
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 16 16:39:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091619WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Sep 16 16:35:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	421870	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	418749	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	206844	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	142400	4.84	ug/L	0.00
7) Chloroethane-d5	1.58	69	110205	4.60	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	238321	5.01	ug/L	0.00
20) 2-Butanone-d5	3.97	46	201233	30.99	ug/L	0.00
24) Chloroform-d	4.40	84	220983	4.27	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	101868	4.15	ug/L	0.00
32) Benzene-d6	5.09	84	451348	4.50	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	133471	4.24	ug/L	0.00
41) Toluene-d8	7.36	98	428758	4.76	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	44395	4.13	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	129273	33.06	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	75780	3.48	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	133118	3.84	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	156617	4.389	ug/L 100
3) Chloromethane	1.25	50	145759	4.070	ug/L 100
5) Vinyl chloride	1.32	62	167953	4.517	ug/L 100
6) Bromomethane	1.53	94	84711	4.215	ug/L 100
8) Chloroethane	1.60	64	89356	4.142	ug/L 100
9) Trichlorofluoromethane	1.77	101	206880	4.459	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	123797	4.462	ug/L 100
12) 1,1-Dichloroethene	2.14	96	111032	4.231	ug/L 100
13) Acetone	2.23	43	169965	41.861	ug/L 100
14) Carbon disulfide	2.31	76	241505	3.548	ug/L 100
15) Methyl Acetate	2.47	43	46780	4.274	ug/L 100
16) Methylene chloride	2.53	84	126077	3.899	ug/L 100
17) Methyl tert-butyl Ether	2.81	73	293119	4.661	ug/L 100
18) trans-1,2-Dichloroethene	2.78	96	119732	4.098	ug/L 100
19) 1,1-Dichloroethane	3.23	63	250624	4.474	ug/L 100
21) 2-Butanone	4.05	43	299324	43.220	ug/L 100
22) cis-1,2-Dichloroethene	3.96	96	133778	4.184	ug/L 100
23) Bromochloromethane	4.30	128	58568	4.275	ug/L 100
25) Chloroform	4.42	83	266923	4.313	ug/L 100
27) 1,2-Dichloroethane	5.18	62	146495	4.524	ug/L 100
29) 1,1,1-Trichloroethane	4.65	97	205843	4.427	ug/L 100
30) Cyclohexane	4.72	56	179228	3.968	ug/L 100
31) Carbon tetrachloride	4.87	117	175761	4.318	ug/L 100
33) Benzene	5.14	78	531061	4.349	ug/L 100
34) Trichloroethene	5.96	95	144587	4.259	ug/L 100
35) Methylcyclohexane	6.17	83	184265	3.924	ug/L 100
37) 1,2-Dichloropropane	6.22	63	139982	4.551	ug/L 100
38) Bromodichloromethane	6.55	83	178013	4.453	ug/L 100
39) cis-1,3-Dichloropropene	7.07	75	173359	4.327	ug/L 100
40) 4-Methyl-2-pentanone	7.28	43	812916	47.313	ug/L 100

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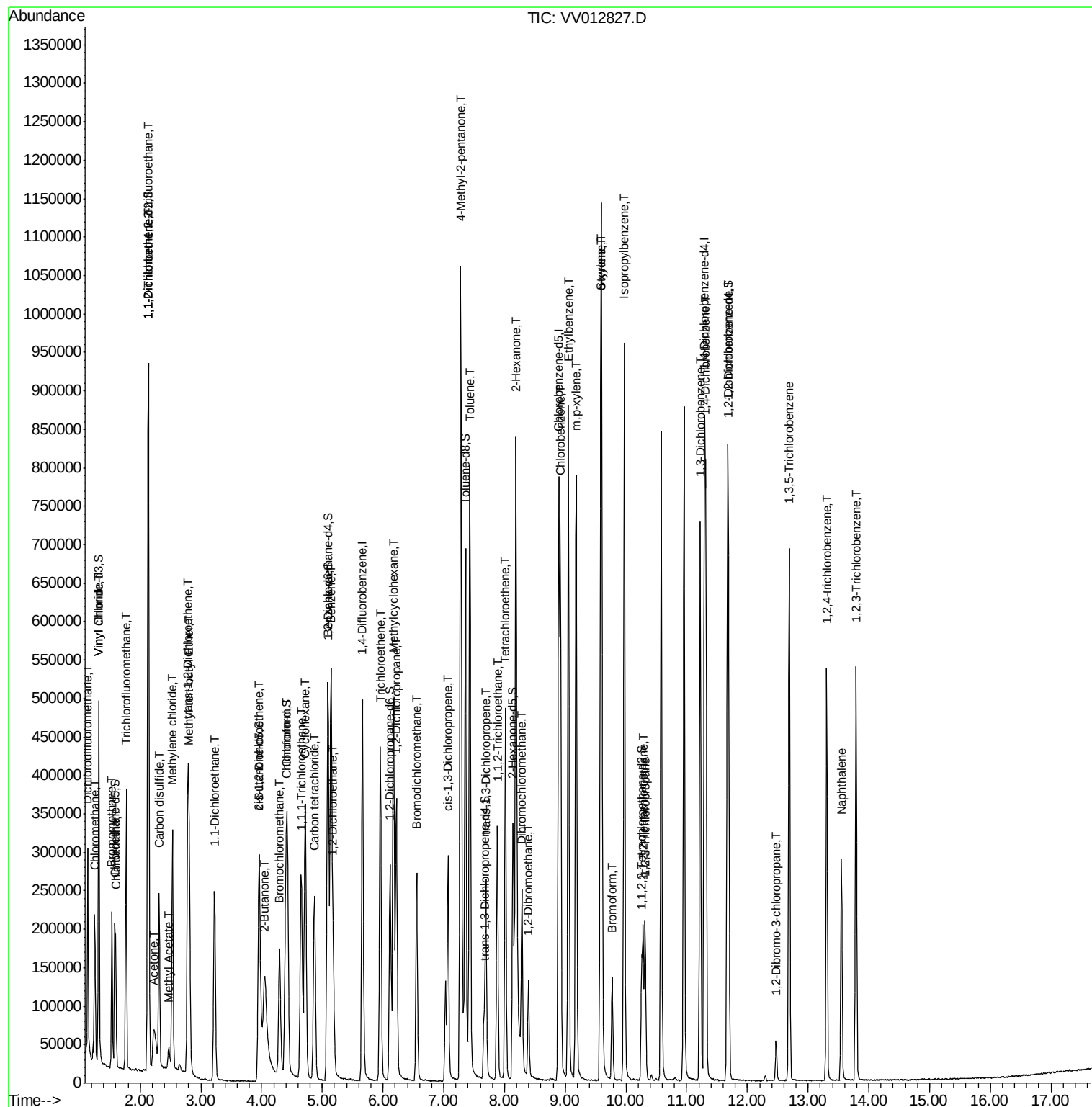
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	566811	4.467	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	138537	4.537	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	98360	4.573	ug/L	100
47) Tetrachloroethene	8.02	164	108132	4.102	ug/L	100
48) 2-Hexanone	8.19	43	631124	50.868	ug/L	100
49) Dibromochloromethane	8.29	129	115166	4.506	ug/L	100
50) 1,2-Dibromoethane	8.40	107	82903	4.384	ug/L	100
51) Chlorobenzene	8.92	112	375884	4.465	ug/L	100
52) Ethylbenzene	9.05	91	591417	4.335	ug/L	100
53) m,p-xylene	9.18	106	223713	4.351	ug/L	100
54) o-xylene	9.59	106	218435	4.418	ug/L	100
55) Styrene	9.60	104	388756	4.707	ug/L	100
56) Isopropylbenzene	9.97	105	589812	4.491	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	92522	4.359	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	83126	4.556	ug/L	100
61) Bromoform	9.77	173	59476	4.256	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	296357	4.564	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	294894	4.492	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	279705	4.552	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.47	75	12466	3.976	ug/L	100
67) 1,3,5-Trichlorobenzene	12.69	180	217540	4.426	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	164777	4.250	ug/L	100
69) Naphthalene	13.55	128	227886	3.935	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	164353	4.478	ug/L	100

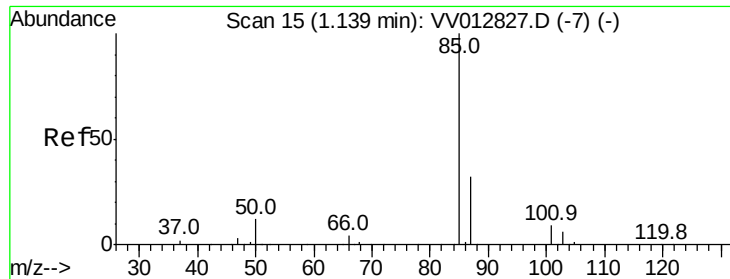
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.389 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV012827.D

Acq: 16 Sep 2019 09:58

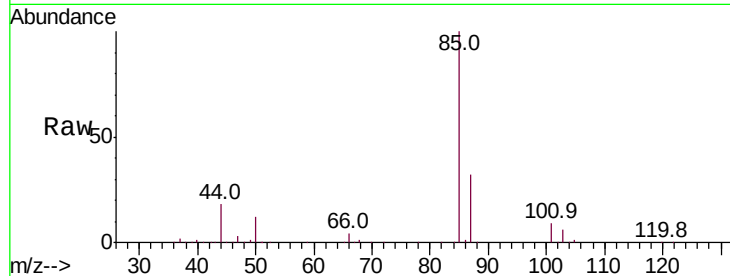
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 156617

Ion Ratio Lower Upper

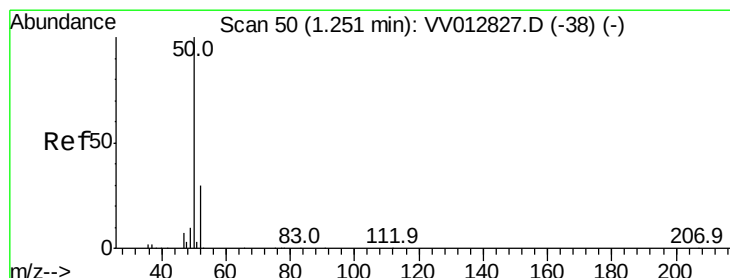
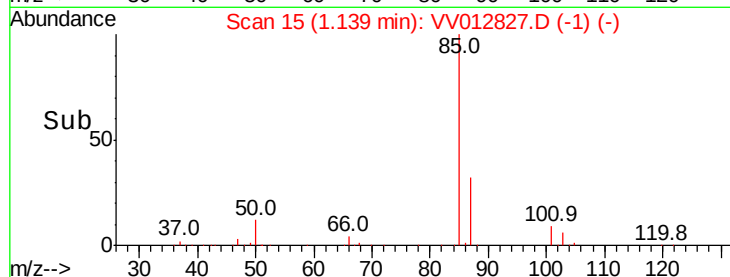
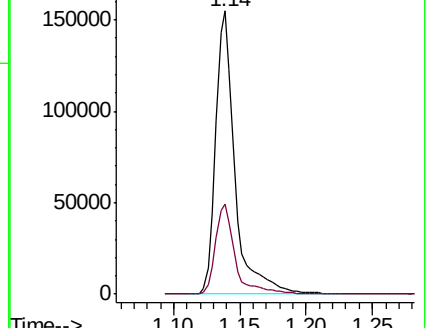
85 100

87 32.5 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VV012827.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV012827.D (-7) (-)



#3

Chloromethane

Concen: 4.070 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV012827.D

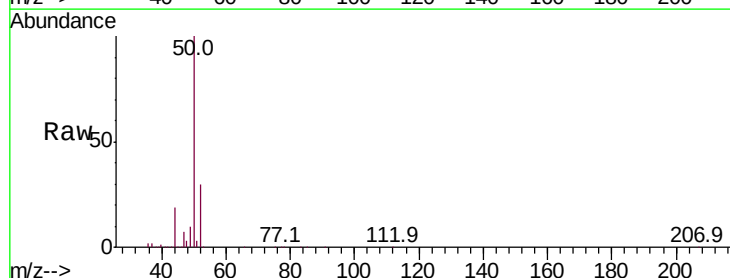
Acq: 16 Sep 2019 09:58

Tgt Ion: 50 Resp: 145759

Ion Ratio Lower Upper

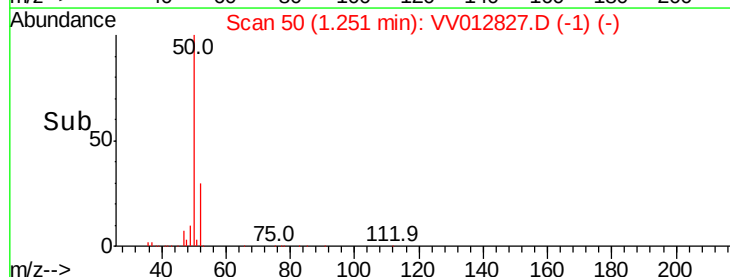
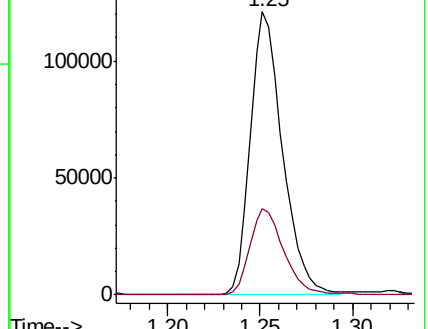
50 100

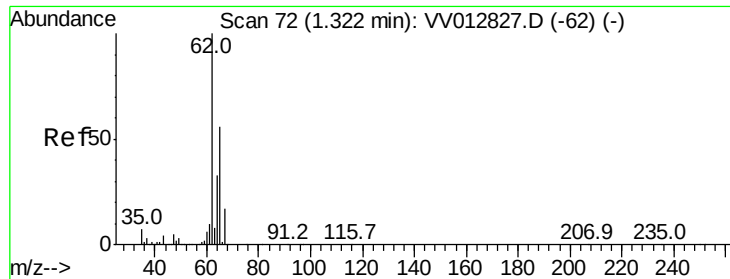
52 30.5 21.3 39.6



Abundance Ion 50.05 (49.75 to 50.75): VV012827.D (-38) (-)

Ion 52.05 (51.75 to 52.75): VV012827.D (-38) (-)





#5

Vinyl chloride

Concen: 4.517 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV012827.D

Acq: 16 Sep 2019 09:58

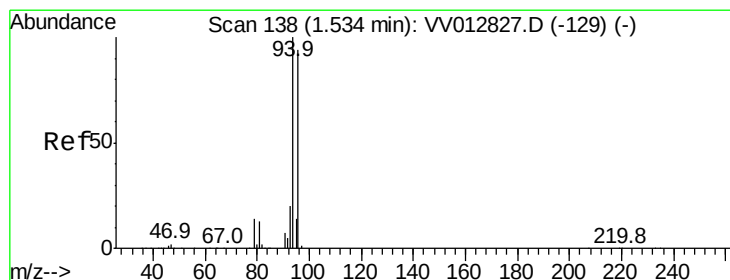
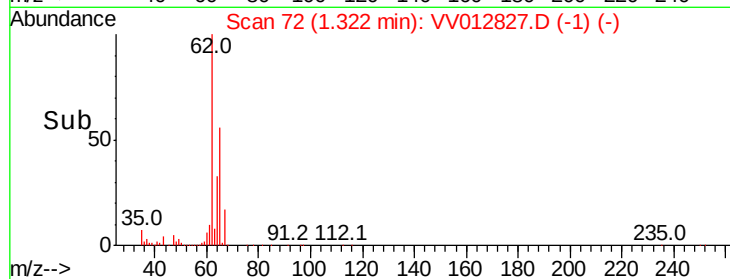
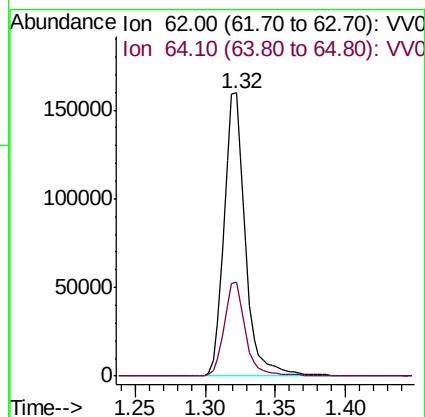
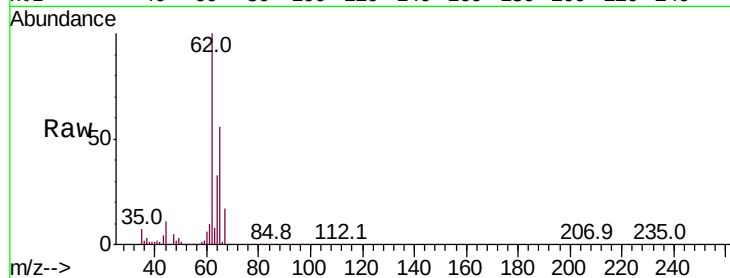
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 167953

Ion Ratio Lower Upper

62 100

64 33.1 23.2 43.0



#6

Bromomethane

Concen: 4.215 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV012827.D

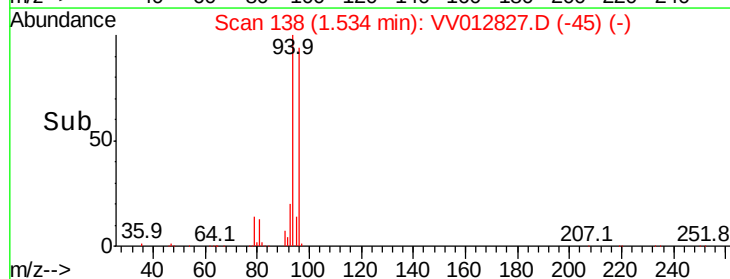
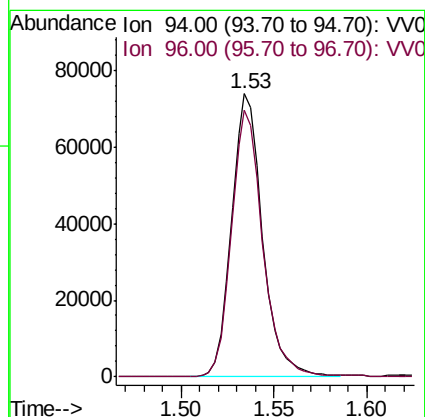
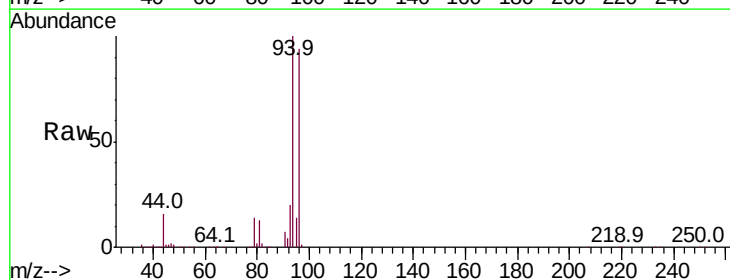
Acq: 16 Sep 2019 09:58

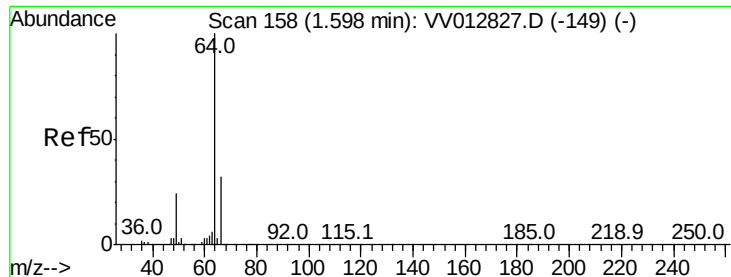
Tgt Ion: 94 Resp: 84711

Ion Ratio Lower Upper

94 100

96 94.4 66.1 122.7





#8

Chloroethane

Concen: 4.142 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV012827.D

Acq: 16 Sep 2019 09:58

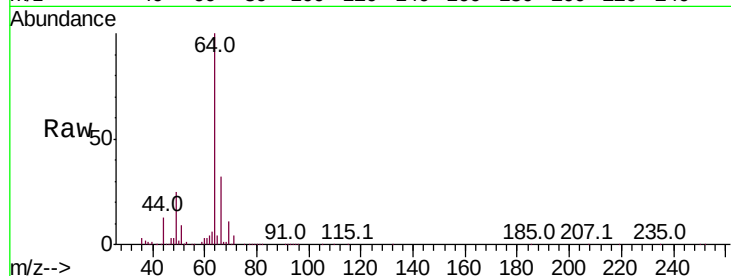
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 89356

Ion Ratio Lower Upper

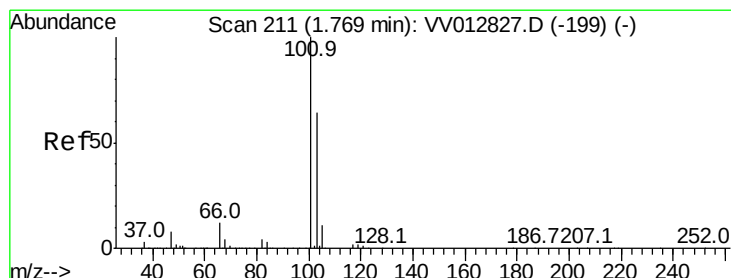
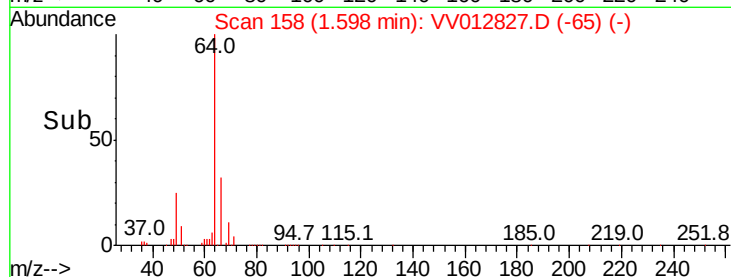
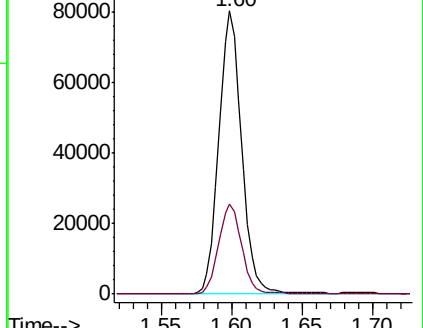
64 100

66 31.9 22.3 41.5



Abundance Ion 64.10 (63.80 to 64.80): VV012827.D (-149) (-)

Ion 66.05 (65.75 to 66.75): VV012827.D (-149) (-)



#9

Trichlorofluoromethane

Concen: 4.459 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.00 min

Lab File: VV012827.D

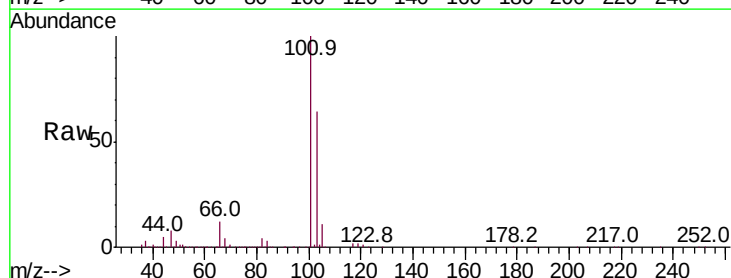
Acq: 16 Sep 2019 09:58

Tgt Ion: 101 Resp: 206880

Ion Ratio Lower Upper

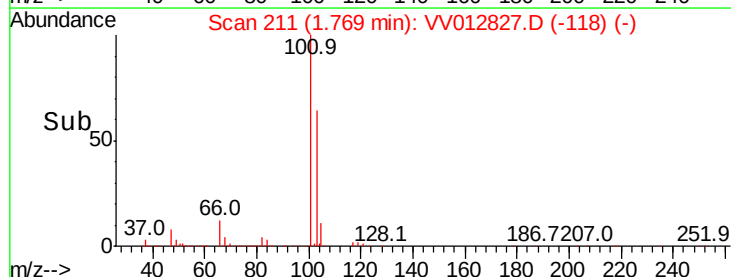
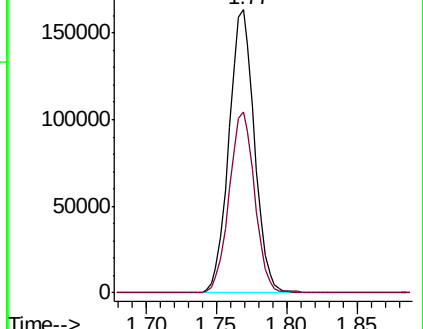
101 100

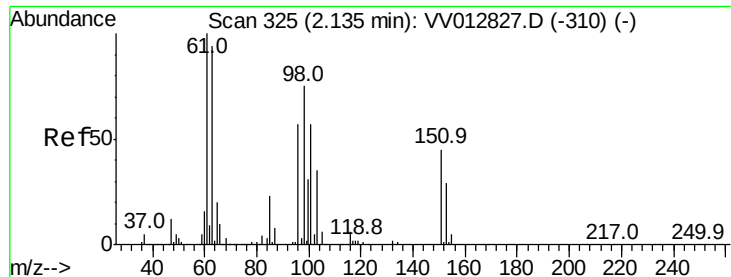
103 64.0 51.2 76.8



Abundance Ion 101.00 (100.70 to 101.70): VV012827.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV012827.D (-199) (-)





#10

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

Concen: 4.462 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV012827.D

Acq: 16 Sep 2019 09:58

Instrument :

MSVOA_V

ClientSampleId :

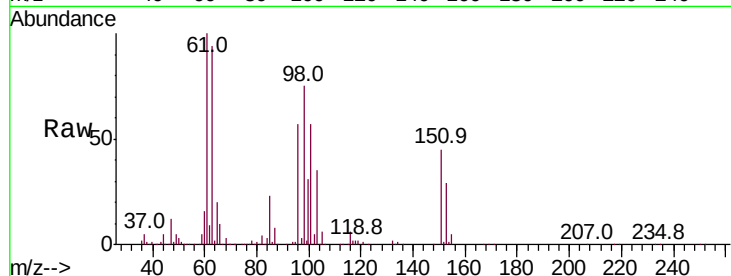
Tot Ion:101 Resp: 123797

Ion Ratio Lower Upper

101 100

85 41.1 32.9 49.3

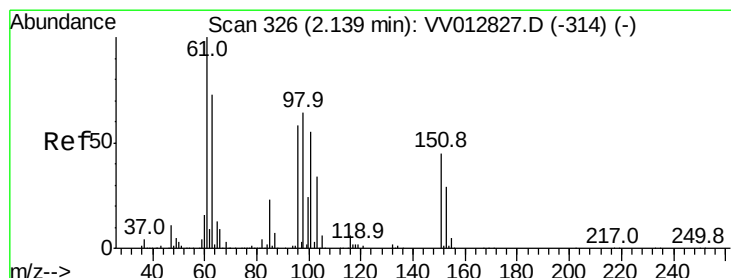
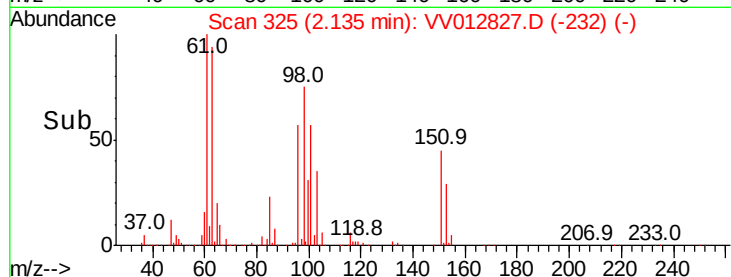
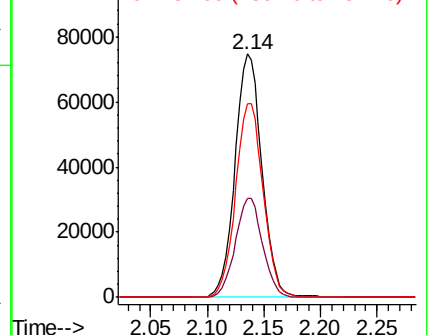
151 81.3 65.0 97.6



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: 4.231 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012827.D

Acq: 16 Sep 2019 09:58

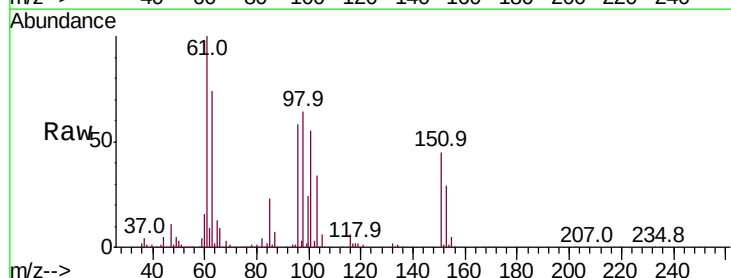
Tgt Ion: 96 Resp: 111032

Ion Ratio Lower Upper

96 100

61 171.6 120.1 223.1

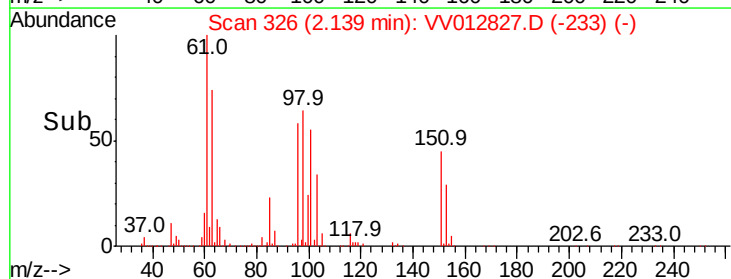
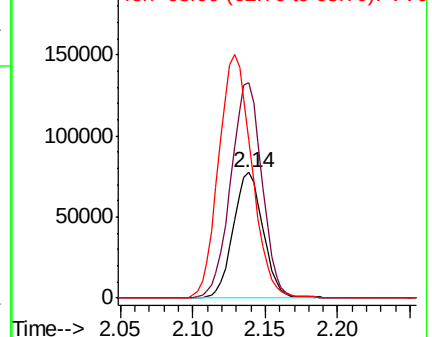
63 126.2 88.3 164.1

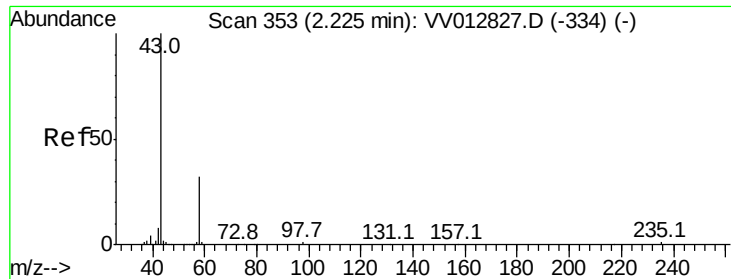


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 41.861 ug/L

RT: 2.23 min Scan# 353

Delta R.T. 0.00 min

Lab File: VV012827.D

Acq: 16 Sep 2019 09:58

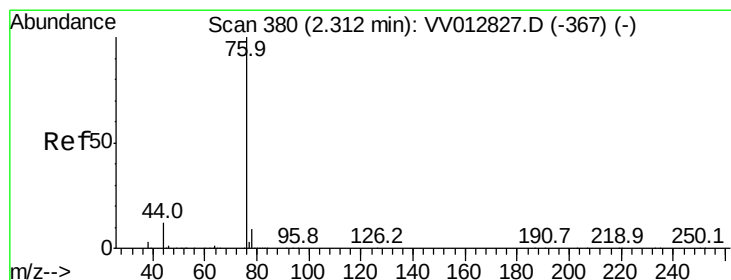
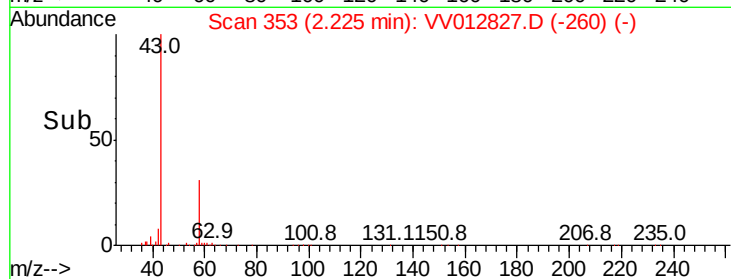
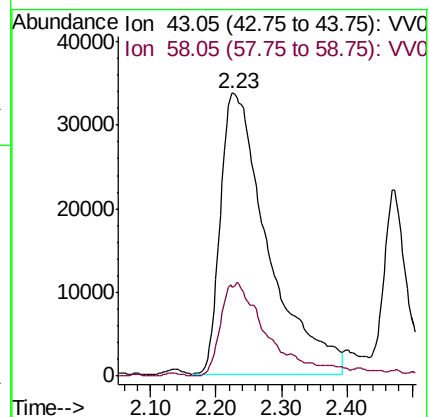
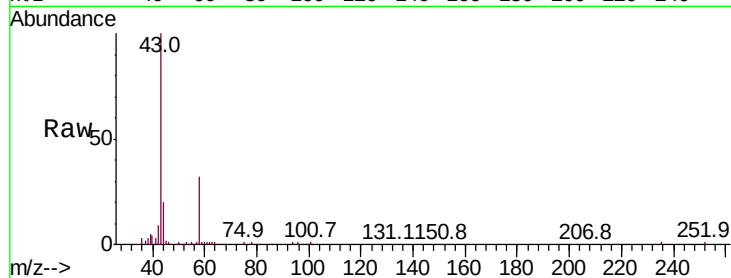
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 169965

Ion Ratio Lower Upper

43 100

58 28.3 0.0 56.6



#14

Carbon disulfide

Concen: 3.548 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV012827.D

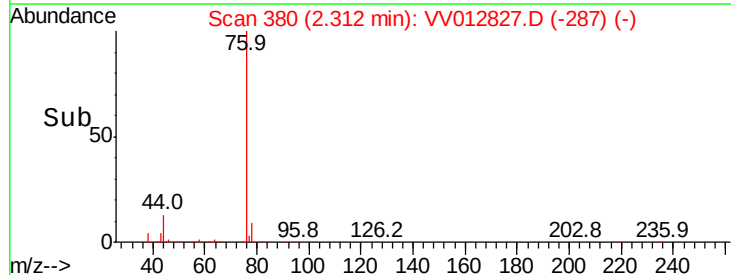
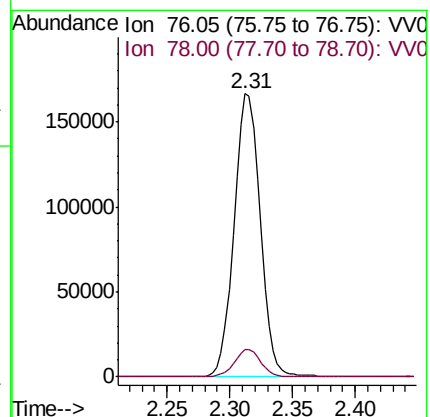
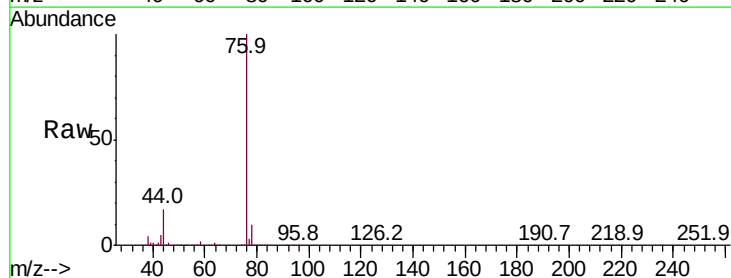
Acq: 16 Sep 2019 09:58

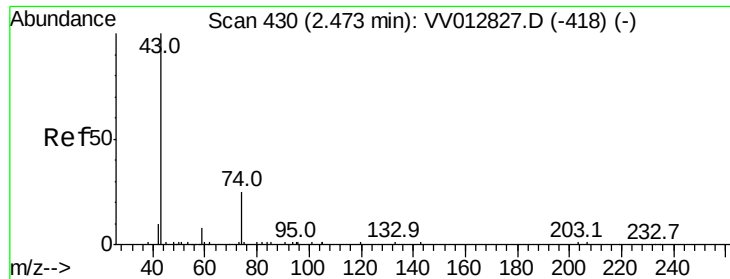
Tgt Ion: 76 Resp: 241505

Ion Ratio Lower Upper

76 100

78 9.5 7.6 11.4

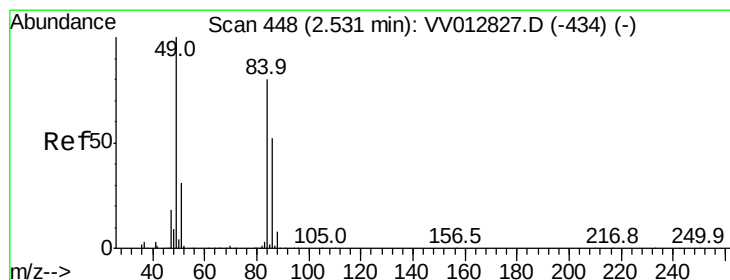
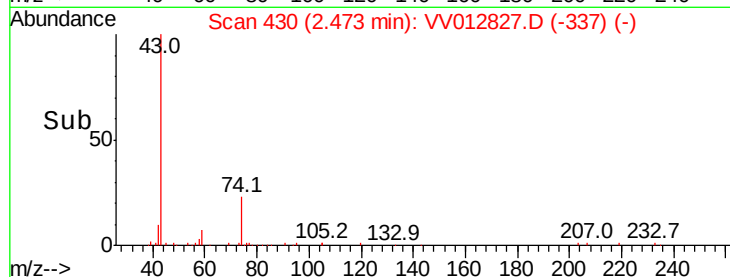
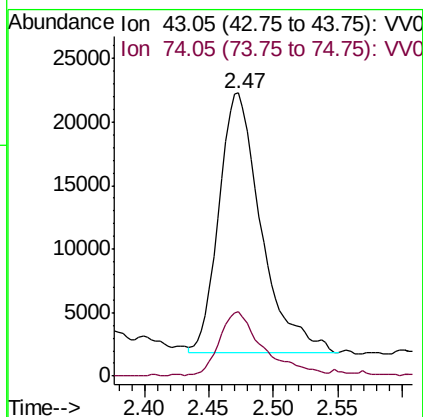
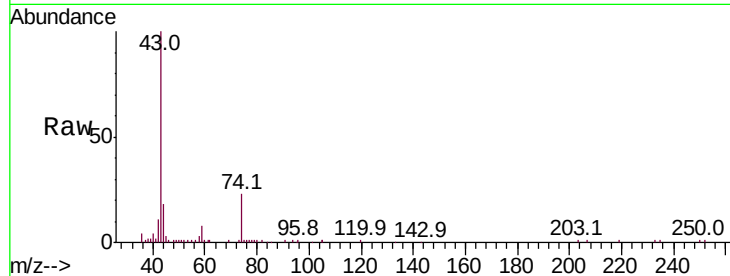




#15
Methvl Acetate
Concen: 4.274 ug/L
RT: 2.47 min Scan# 430
Delta R.T. 0.00 min
Lab File: VV012827.D
Acq: 16 Sep 2019 09:58

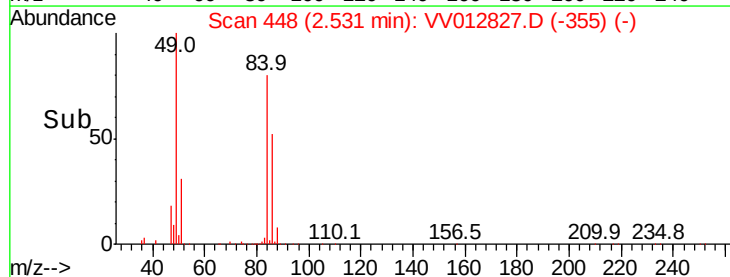
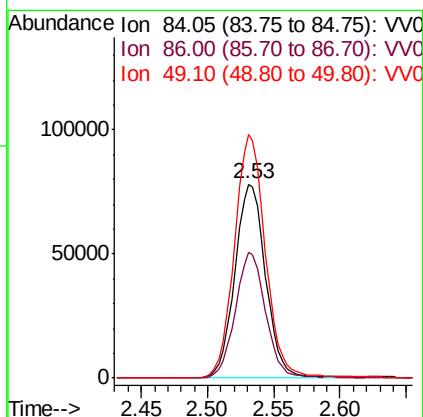
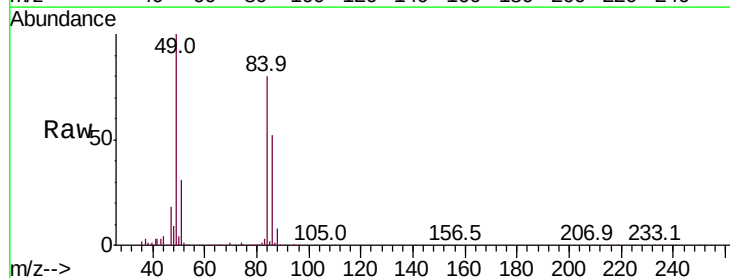
Instrument :
MSVOA_V
ClientSampled :

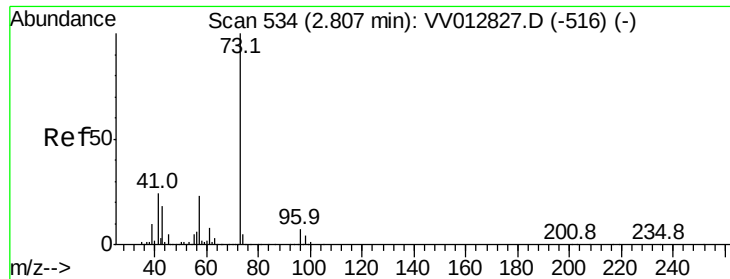
Tot Ion: 43 Resp: 46780
Ion Ratio Lower Upper
43 100
74 25.9 20.7 31.1



#16
Methylene chloride
Concen: 3.899 ug/L
RT: 2.53 min Scan# 448
Delta R.T. 0.00 min
Lab File: VV012827.D
Acq: 16 Sep 2019 09:58

Tgt Ion: 84 Resp: 126077
Ion Ratio Lower Upper
84 100
86 64.9 45.4 84.4
49 125.7 88.0 163.4

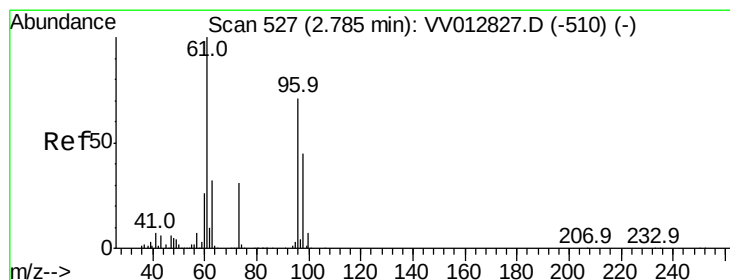
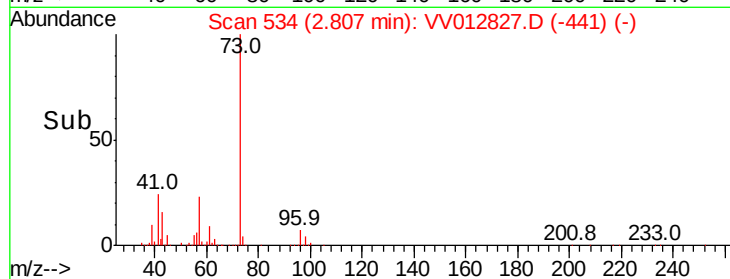
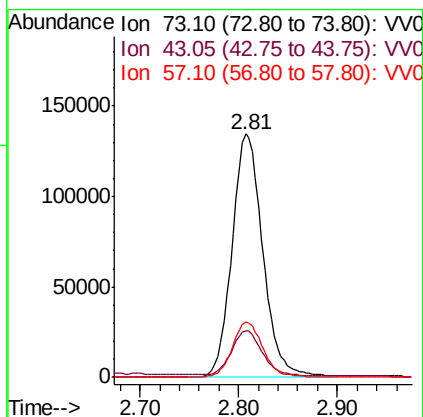
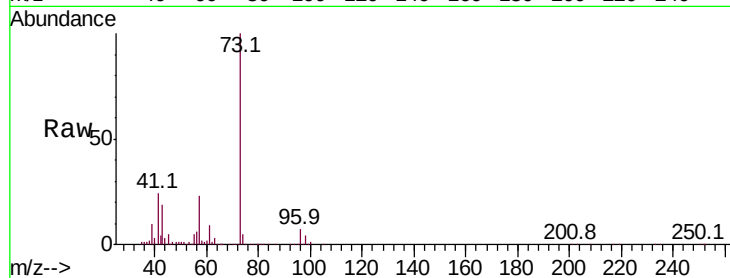




#17
Methyl tert-butyl Ether
Concen: 4.661 ug/L
RT: 2.81 min Scan# 534
Delta R.T. 0.00 min
Lab File: VV012827.D
Acq: 16 Sep 2019 09:58

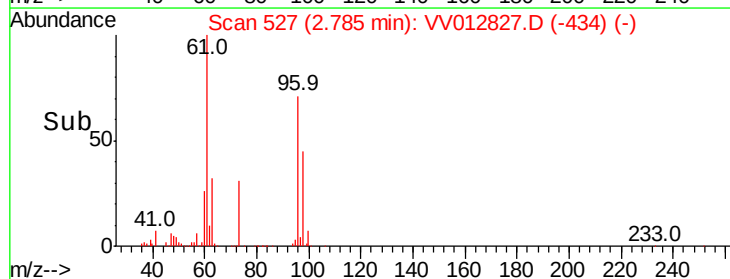
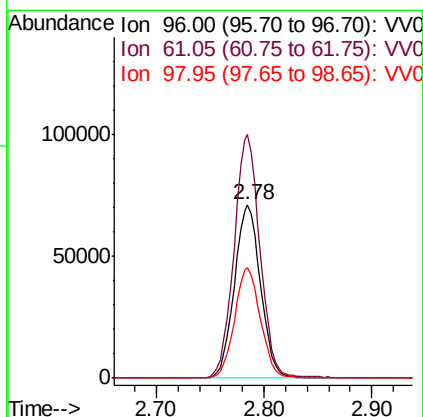
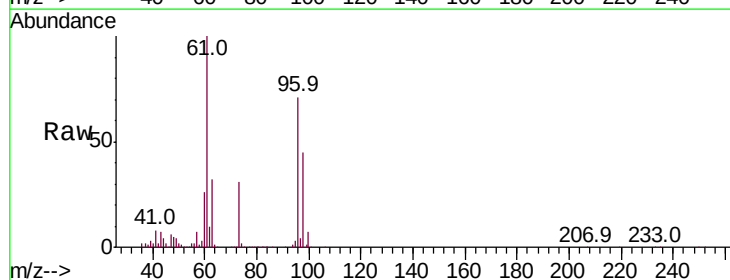
Instrument :
MSVOA_V
ClientSampleId :

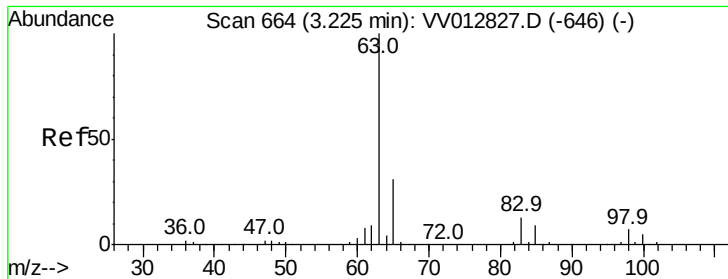
Tot Ion: 73 Resp: 293119
Ion Ratio Lower Upper
73 100
43 18.1 14.5 21.7
57 22.8 18.2 27.4



#18
trans-1,2-Dichloroethene
Concen: 4.098 ug/L
RT: 2.78 min Scan# 527
Delta R.T. 0.00 min
Lab File: VV012827.D
Acq: 16 Sep 2019 09:58

Tgt Ion: 96 Resp: 119732
Ion Ratio Lower Upper
96 100
61 140.3 98.2 182.4
98 63.7 44.6 82.8



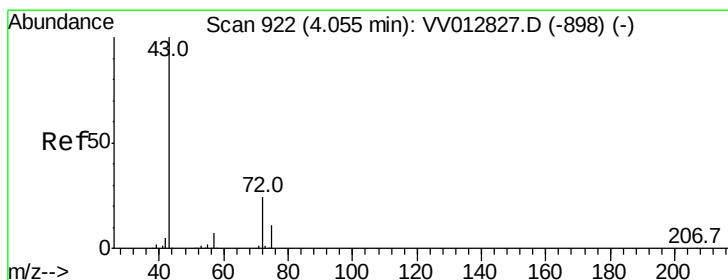
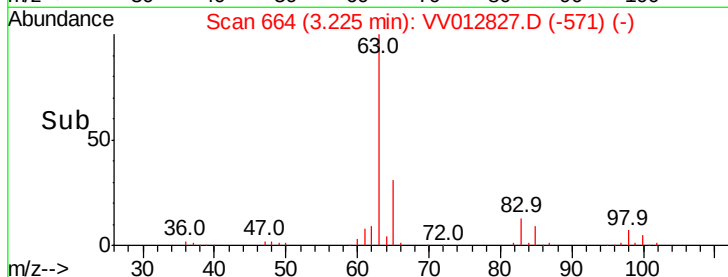
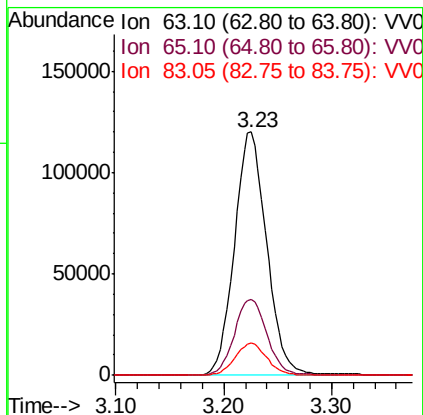
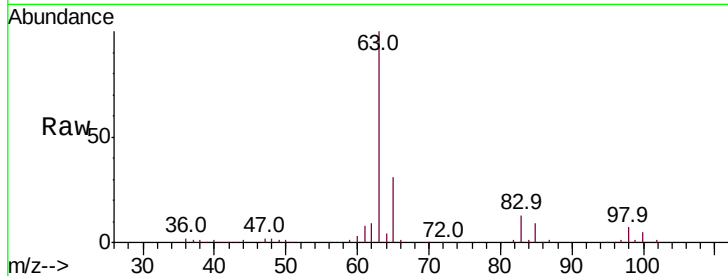


#19
 1,1-Dichloroethane
 Concen: 4.474 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. 0.00 min
 Lab File: VV012827.D
 Acq: 16 Sep 2019 09:58

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 63 Resp: 250624

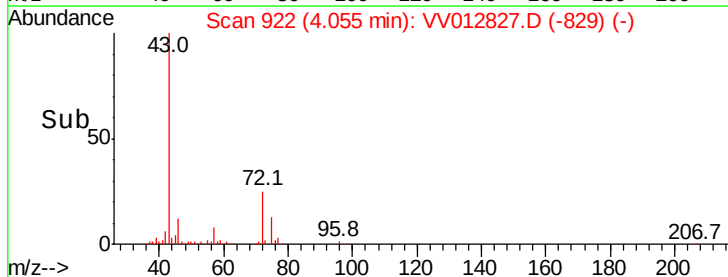
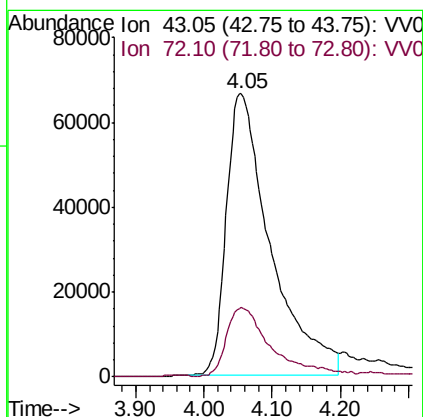
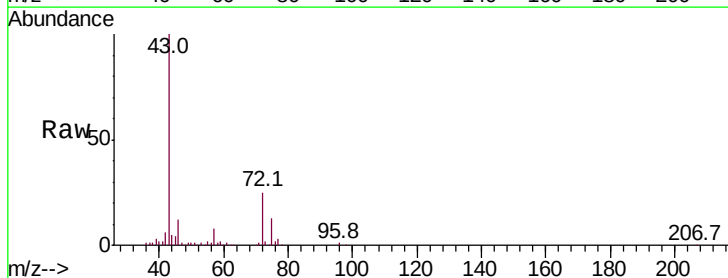
Ion	Ratio	Lower	Upper
63	100		
65	31.1	21.8	40.4
83	13.1	9.2	17.0

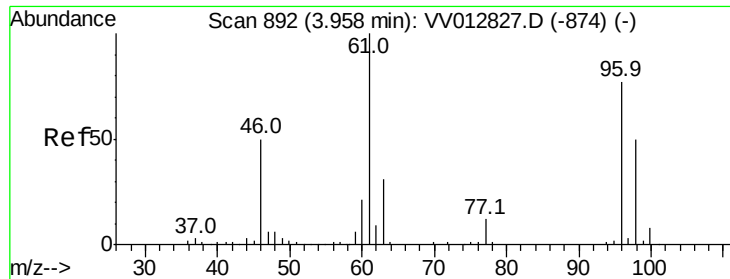


#21
 2-Butanone
 Concen: 43.220 ug/L
 RT: 4.05 min Scan# 922
 Delta R.T. 0.00 min
 Lab File: VV012827.D
 Acq: 16 Sep 2019 09:58

Tgt Ion: 43 Resp: 299324

Ion	Ratio	Lower	Upper
43	100		
72	25.1	12.6	37.6



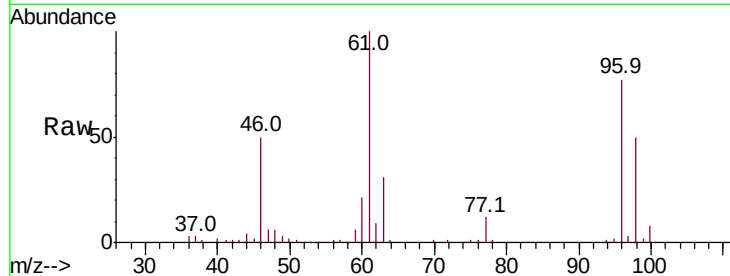


#22

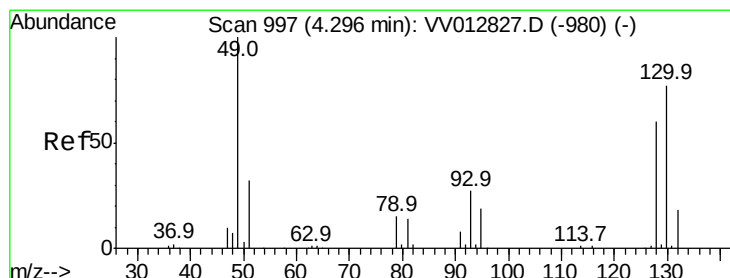
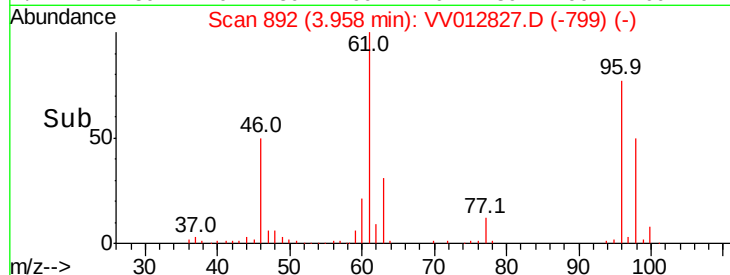
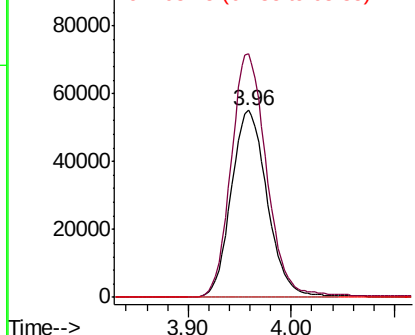
cis-1,2-Dichloroethene
Concen: 4.184 ug/L
RT: 3.96 min Scan# 892
Delta R.T. 0.00 min
Lab File: VV012827.D
Acq: 16 Sep 2019 09:58

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 96 Resp: 133778
Ion Ratio Lower Upper
96 100
61 130.3 91.2 169.4
68 0.0 0.0 0.0



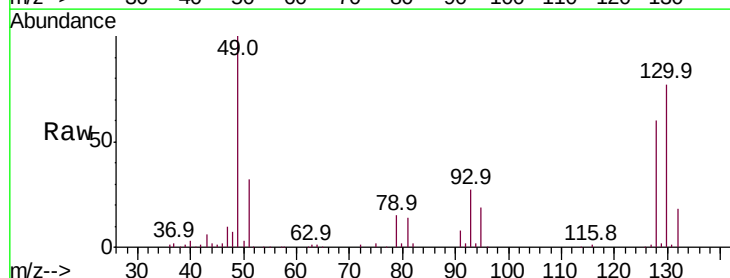
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



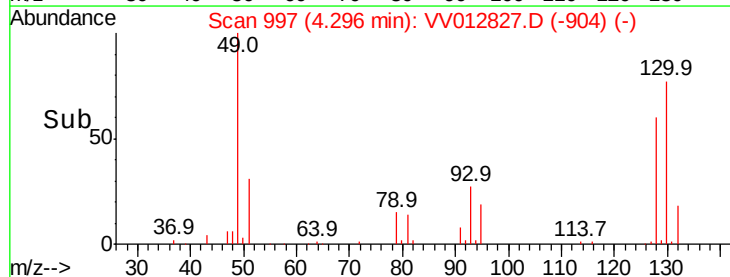
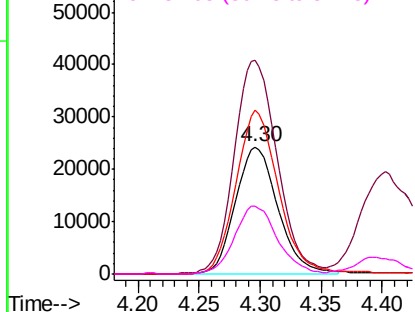
#23

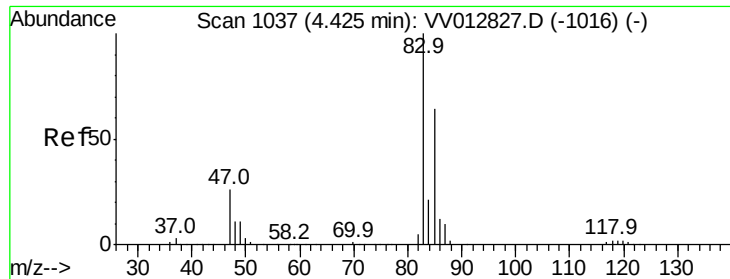
Bromochloromethane
Concen: 4.275 ug/L
RT: 4.30 min Scan# 997
Delta R.T. 0.00 min
Lab File: VV012827.D
Acq: 16 Sep 2019 09:58

Tgt Ion: 128 Resp: 58568
Ion Ratio Lower Upper
128 100
49 167.9 117.5 218.3
130 128.5 89.9 167.0
51 53.4 42.7 64.1



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

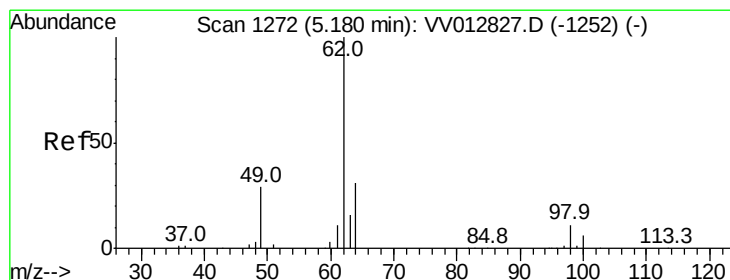
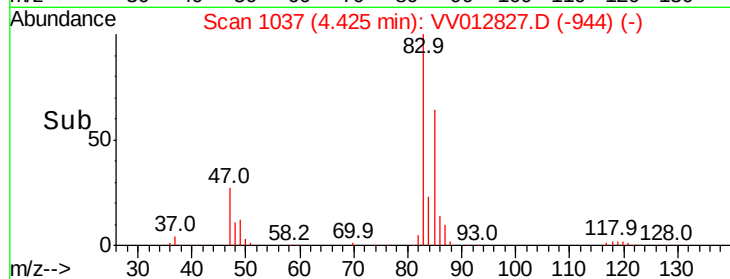
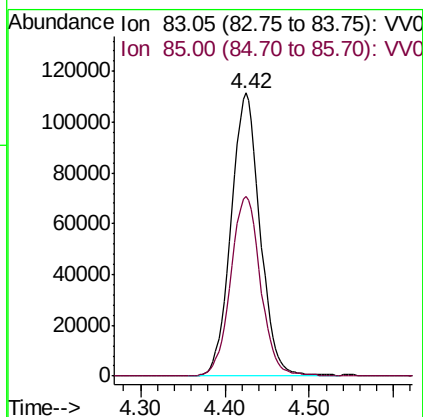
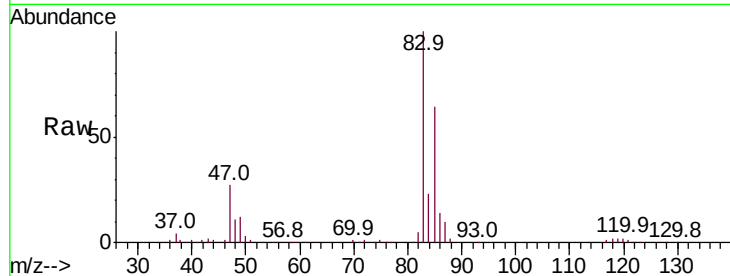




#25
Chloroform
Concen: 4.313 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV012827.D
Acq: 16 Sep 2019 09:58

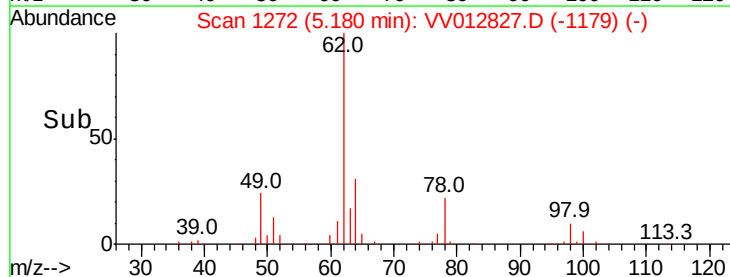
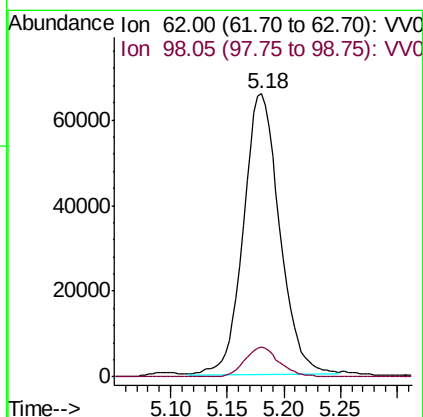
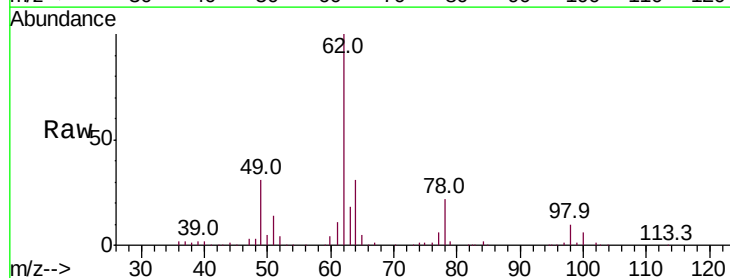
Instrument :
MSVOA_V
ClientSampled :

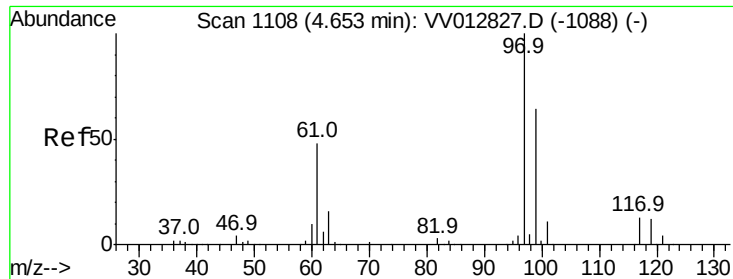
Tot Ion: 83 Resp: 266923
Ion Ratio Lower Upper
83 100
85 63.5 44.4 82.5



#27
1,2-Dichloroethane
Concen: 4.524 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV012827.D
Acq: 16 Sep 2019 09:58

Tgt Ion: 62 Resp: 146495
Ion Ratio Lower Upper
62 100
98 10.4 8.3 12.5



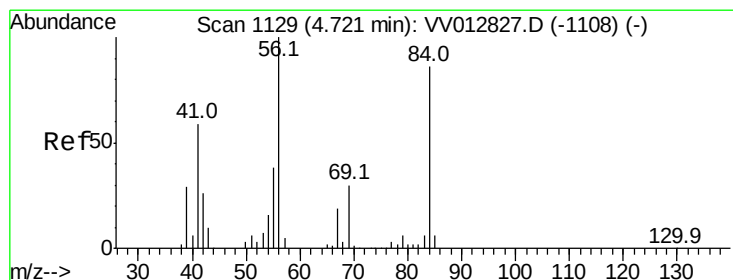
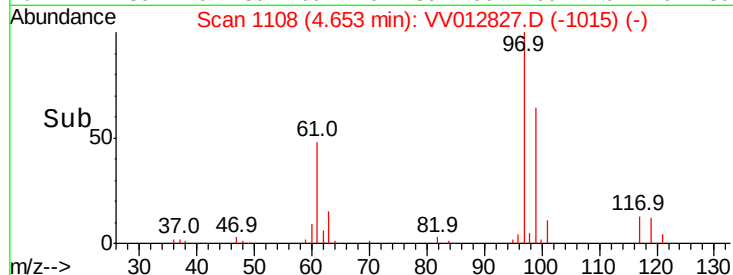
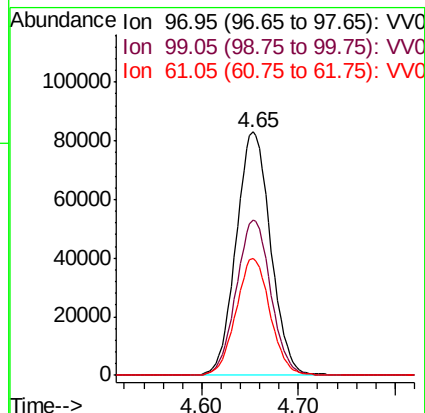
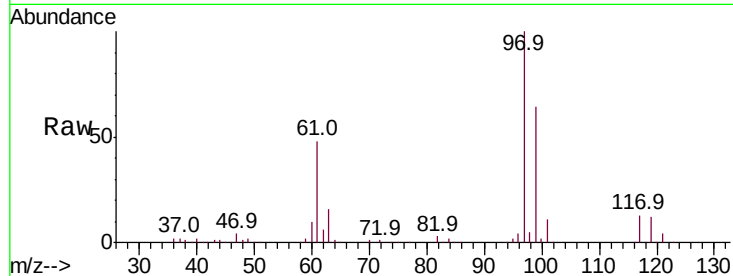


#29
 1,1,1-Trichloroethane
 Concen: 4.427 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. 0.00 min
 Lab File: VV012827.D
 Acq: 16 Sep 2019 09:58

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 97 Resp: 205843

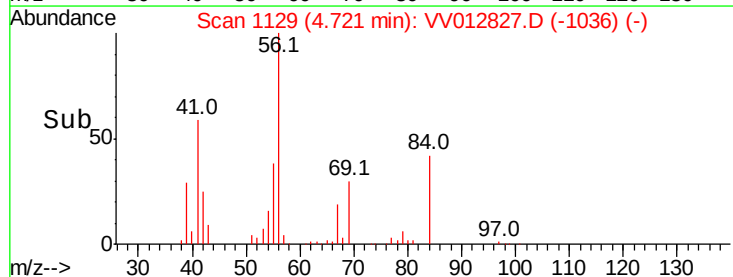
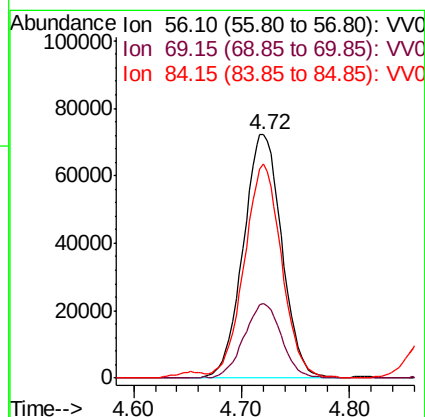
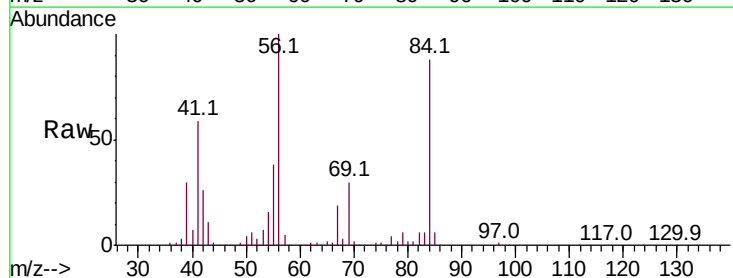
Ion	Ratio	Lower	Upper
97	100		
99	63.6	50.9	76.3
61	47.8	38.2	57.4

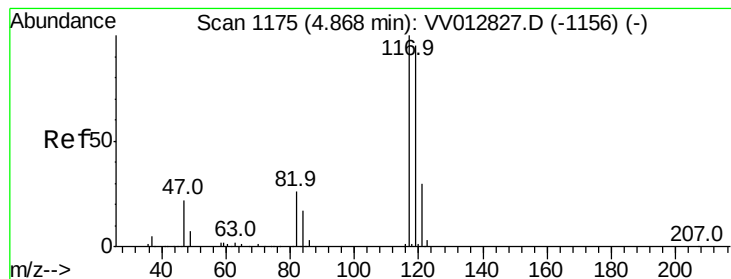


#30
 Cyclohexane
 Concen: 3.968 ug/L
 RT: 4.72 min Scan# 1129
 Delta R.T. 0.00 min
 Lab File: VV012827.D
 Acq: 16 Sep 2019 09:58

Tgt Ion: 56 Resp: 179228

Ion	Ratio	Lower	Upper
56	100		
69	29.9	23.9	35.9
84	84.9	67.9	101.9





#31

Carbon tetrachloride

Concen: 4.318 ug/L

RT: 4.87 min Scan# 1175

Delta R.T. 0.00 min

Lab File: VV012827.D

Acq: 16 Sep 2019 09:58

Instrument :

MSVOA_V

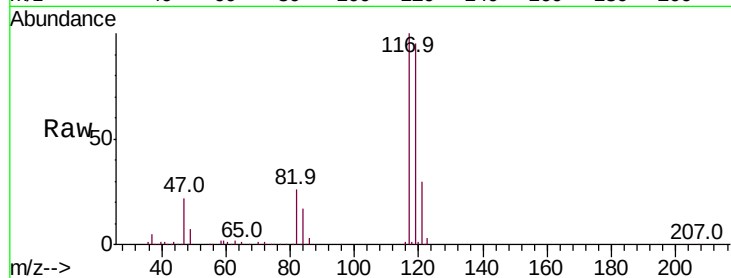
ClientSampleId :

Tot Ion:117 Resp: 175761

Ion Ratio Lower Upper

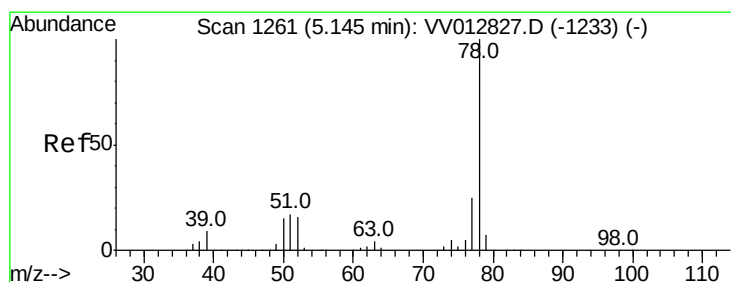
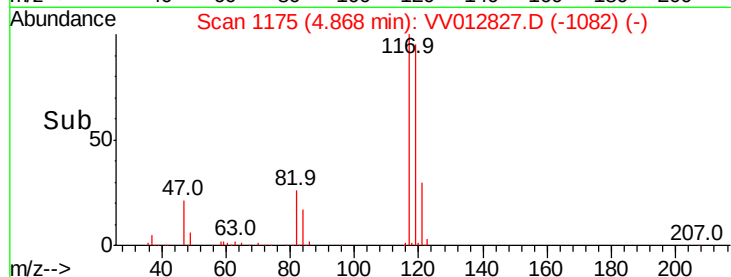
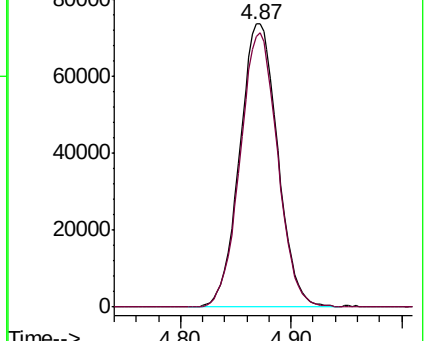
117 100

119 95.5 76.4 114.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.349 ug/L

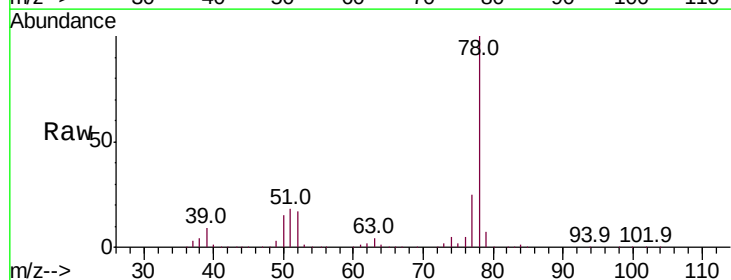
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

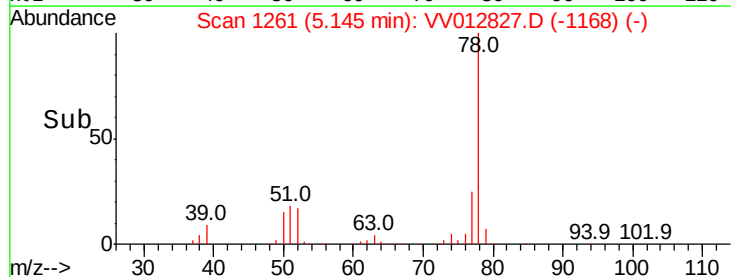
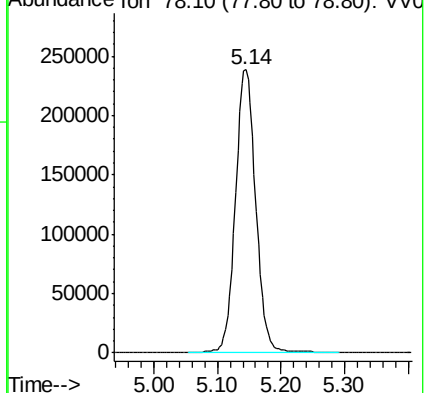
Lab File: VV012827.D

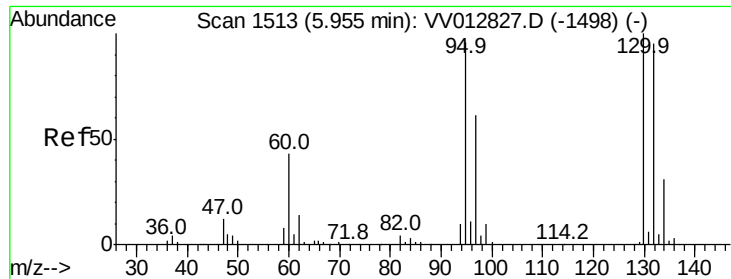
Acq: 16 Sep 2019 09:58

Tgt Ion: 78 Resp: 531061



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.259 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV012827.D

Acq: 16 Sep 2019 09:58

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 95 Resp: 144587

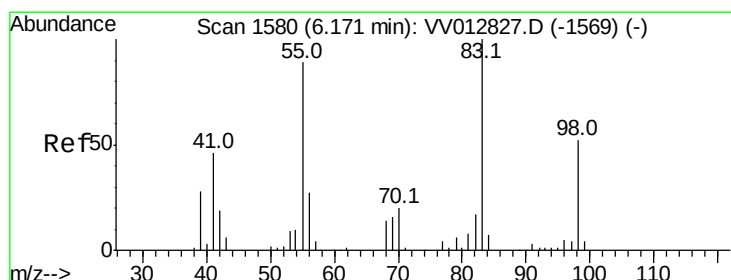
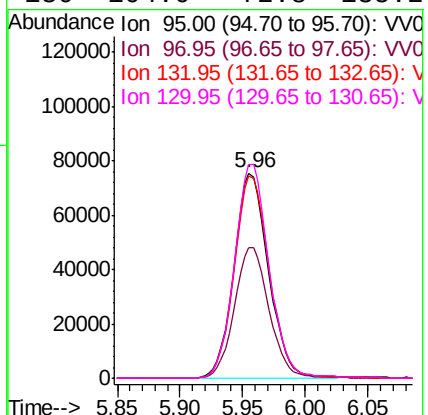
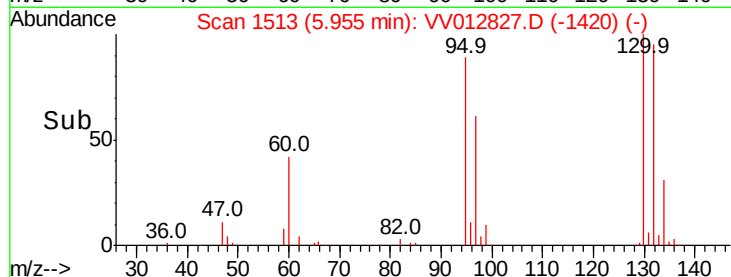
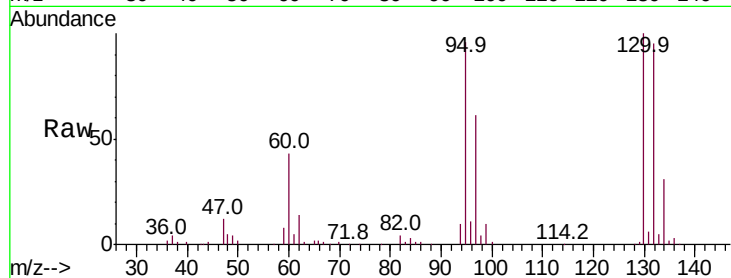
Ion Ratio Lower Upper

95 100

97 63.4 44.4 82.4

132 98.5 69.0 128.1

130 104.0 72.8 135.2



#35

Methylcyclohexane

Concen: 3.924 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. 0.00 min

Lab File: VV012827.D

Acq: 16 Sep 2019 09:58

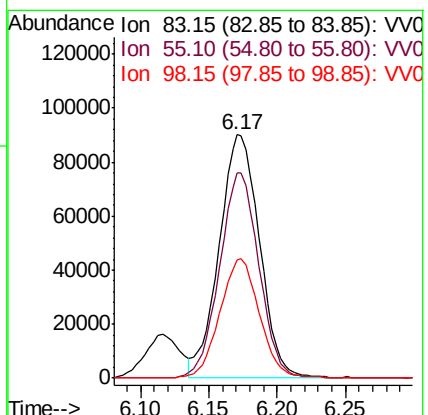
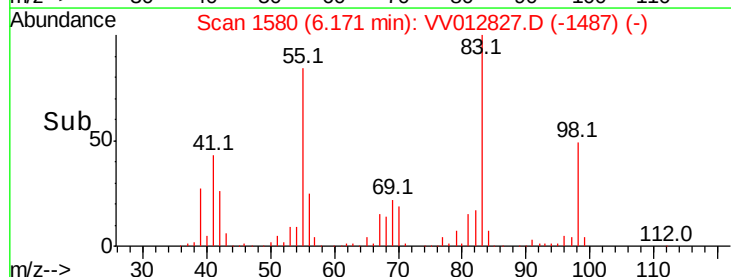
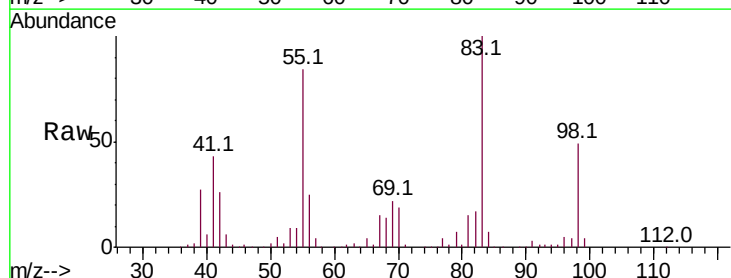
Tgt Ion: 83 Resp: 184265

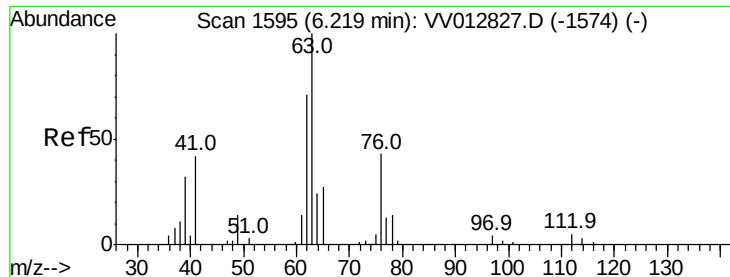
Ion Ratio Lower Upper

83 100

55 81.8 65.4 98.2

98 48.7 39.0 58.4

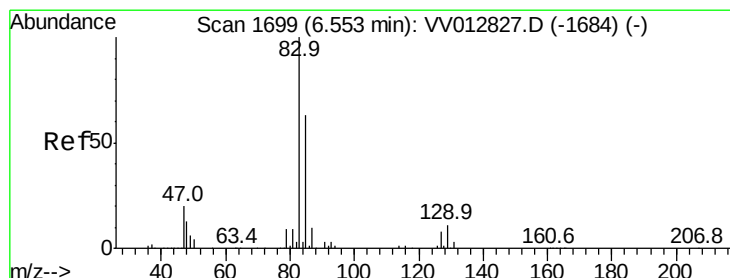
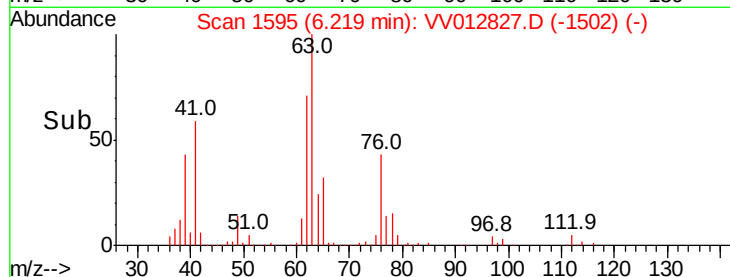
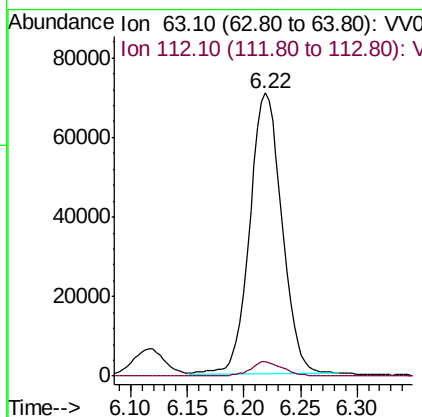
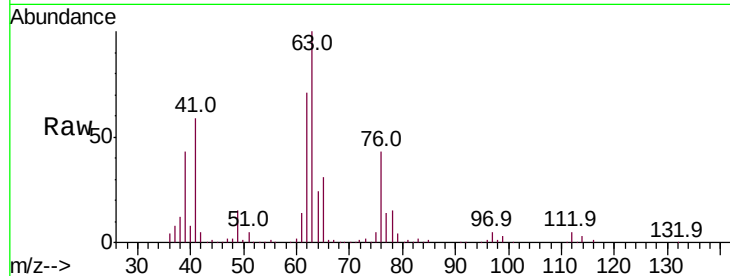




#37
 1,2-Dichloropropane
 Concen: 4.551 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV012827.D
 Acq: 16 Sep 2019 09:58

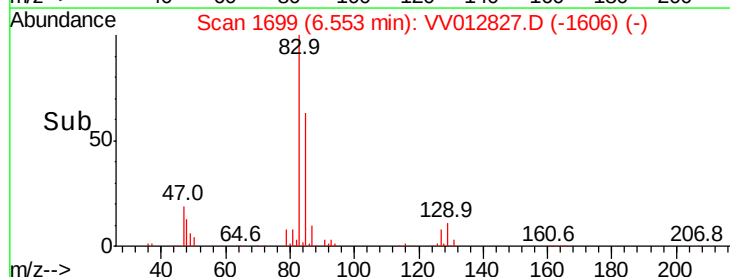
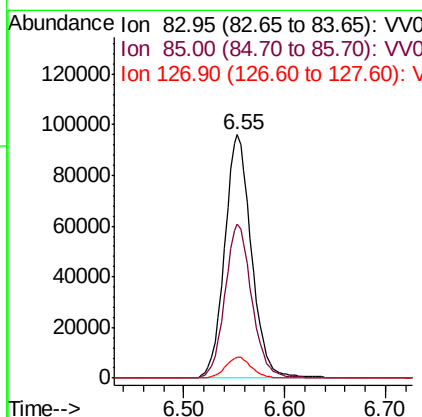
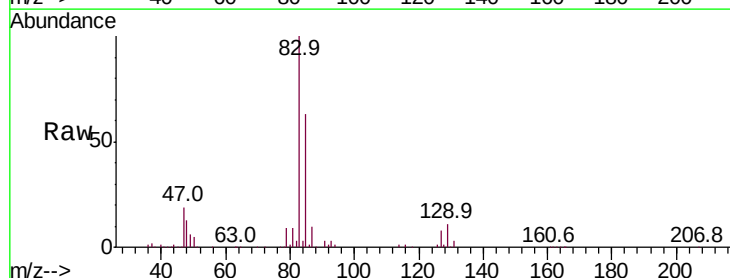
Instrument :
 MSVOA_V
 ClientSampleId :

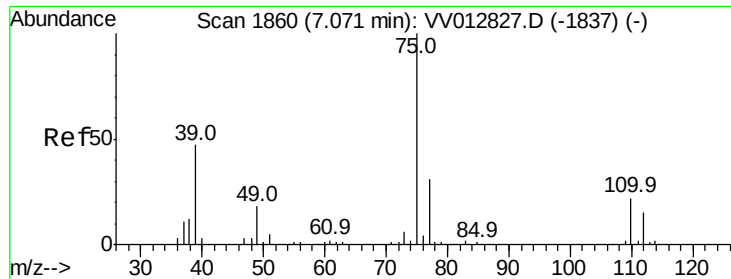
Tot Ion: 63 Resp: 139982
 Ion Ratio Lower Upper
 63 100
 112 5.2 4.2 6.2



#38
 Bromodichloromethane
 Concen: 4.453 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV012827.D
 Acq: 16 Sep 2019 09:58

Tgt Ion: 83 Resp: 178013
 Ion Ratio Lower Upper
 83 100
 85 63.1 44.2 82.0
 127 8.4 6.7 10.1

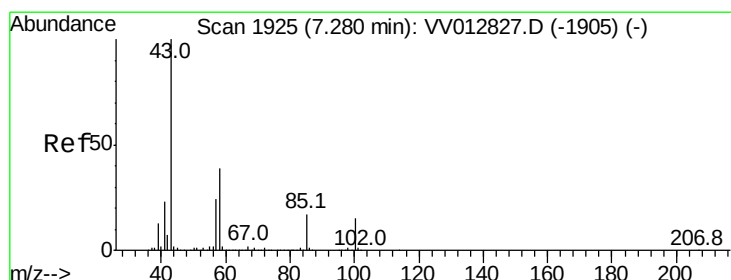
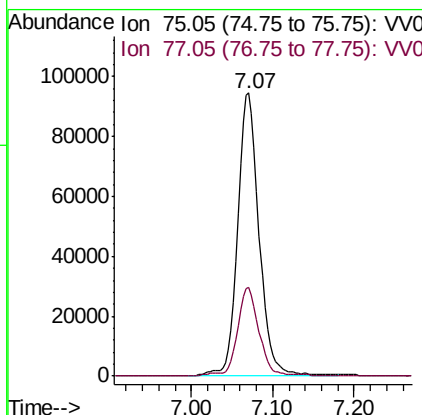
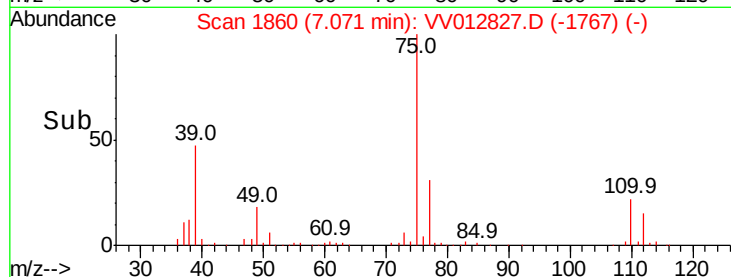
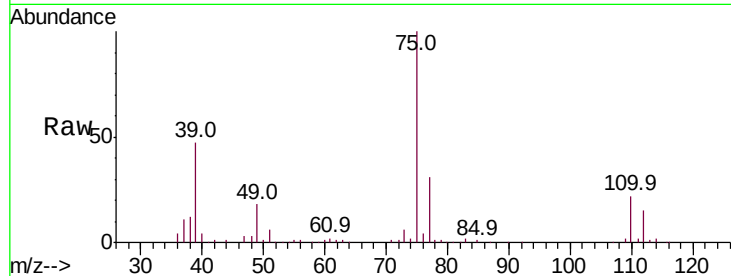




#39
 cis-1,3-Dichloropropene
 Concen: 4.327 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV012827.D
 Acq: 16 Sep 2019 09:58

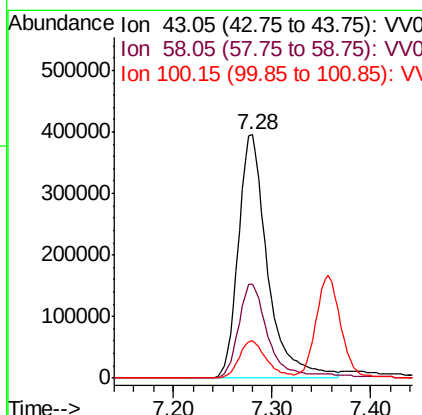
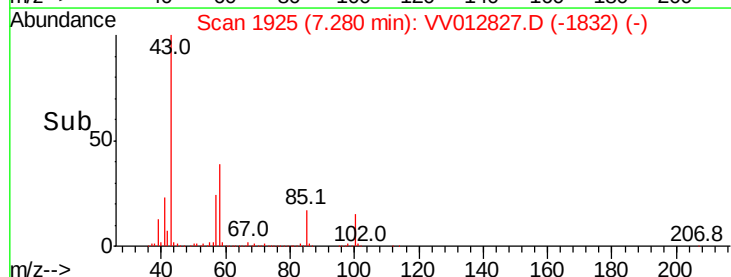
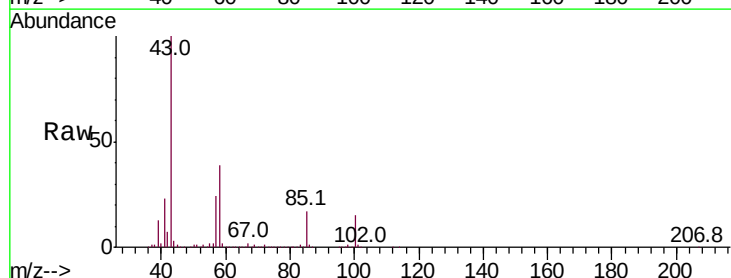
Instrument :
 MSVOA_V
 ClientSampleId :

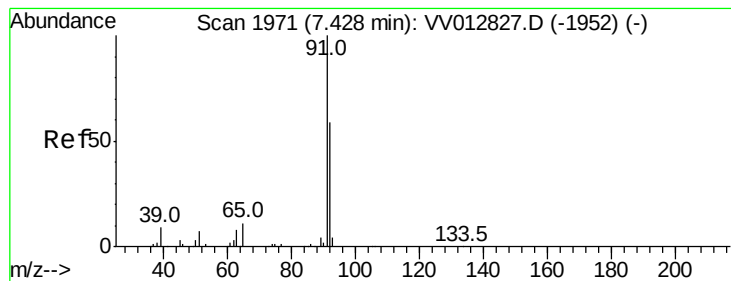
Tot Ion: 75 Resp: 173359
 Ion Ratio Lower Upper
 75 100
 77 31.2 21.8 40.6



#40
 4-Methyl-2-pentanone
 Concen: 47.313 ug/L
 RT: 7.28 min Scan# 1925
 Delta R.T. 0.00 min
 Lab File: VV012827.D
 Acq: 16 Sep 2019 09:58

Tgt Ion: 43 Resp: 812916
 Ion Ratio Lower Upper
 43 100
 58 41.1 32.9 49.3
 100 14.5 11.6 17.4





#42

Toluene

Concen: 4.467 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV012827.D

Acq: 16 Sep 2019 09:58

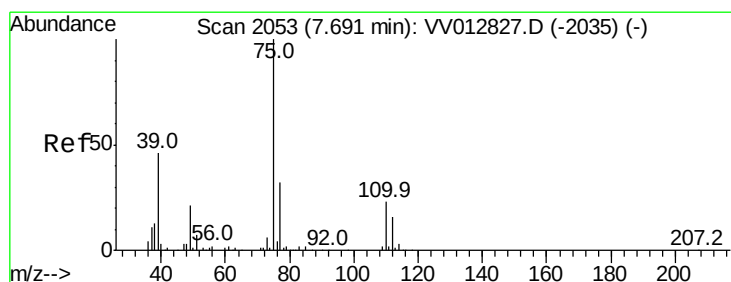
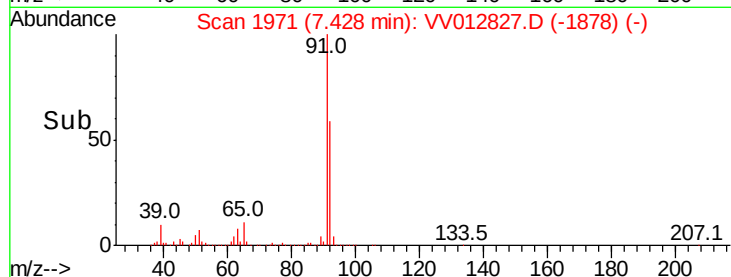
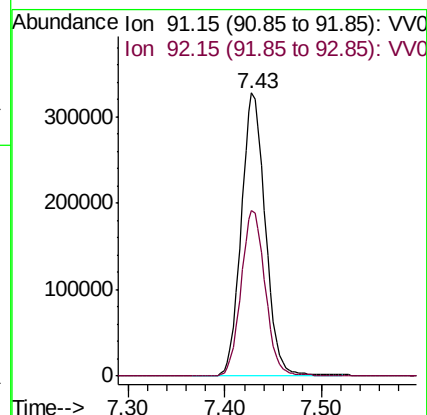
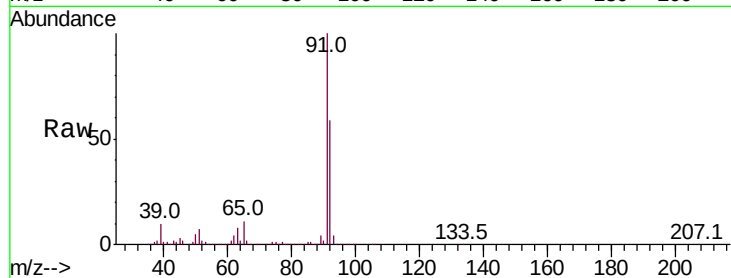
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 566811

Ion Ratio Lower Upper

91 100

92 58.6 41.0 76.2



#44

trans-1,3-Dichloropropene

Concen: 4.537 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV012827.D

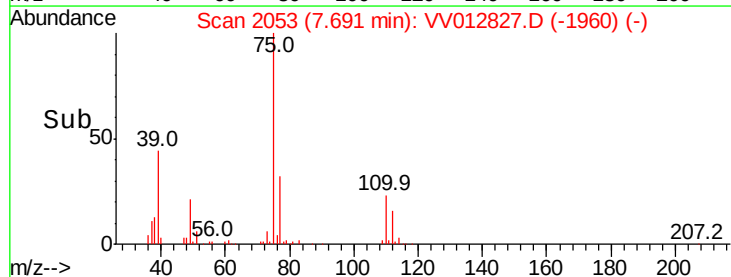
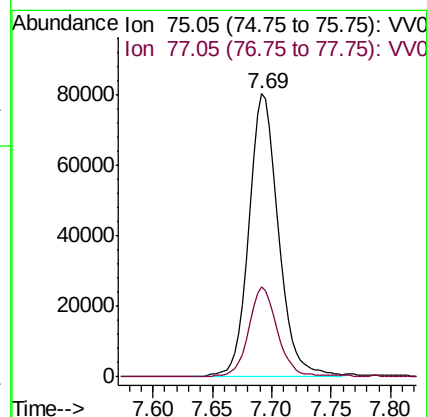
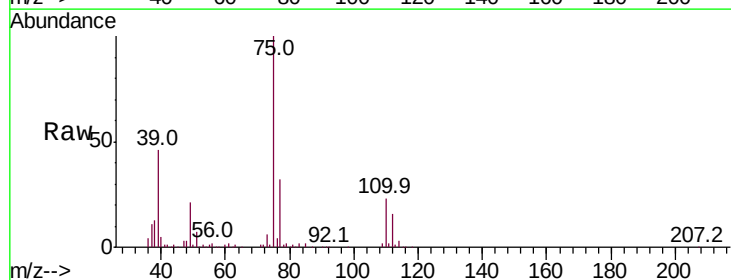
Acq: 16 Sep 2019 09:58

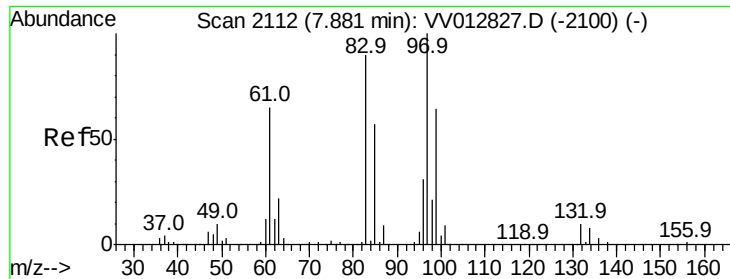
Tgt Ion: 75 Resp: 138537

Ion Ratio Lower Upper

75 100

77 31.8 22.3 41.3

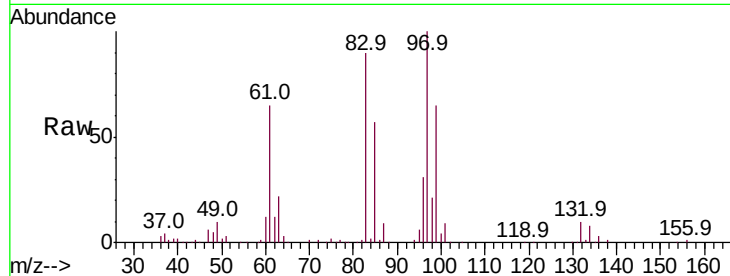




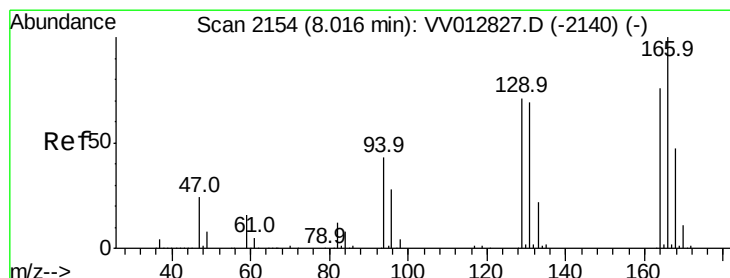
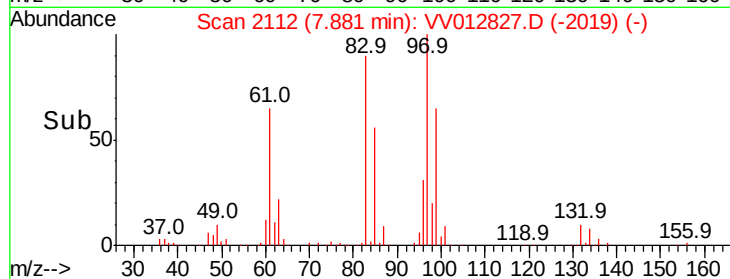
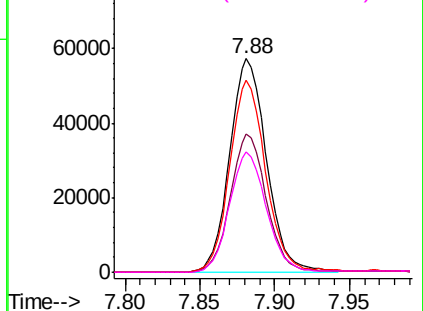
#45
 1,1,2-Trichloroethane
 Concen: 4.573 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV012827.D
 Acq: 16 Sep 2019 09:58

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 97 Resp: 98360
 Ion Ratio Lower Upper
 97 100
 99 64.6 45.2 84.0
 83 90.0 63.0 117.0
 85 56.6 39.6 73.6

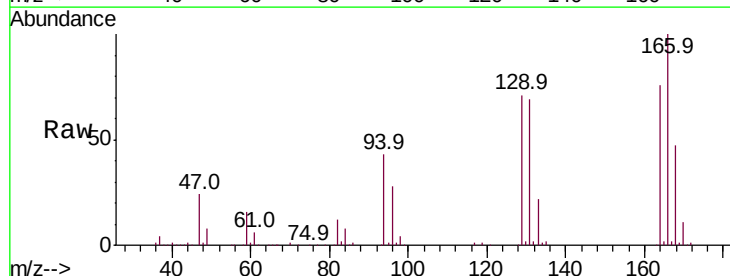


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

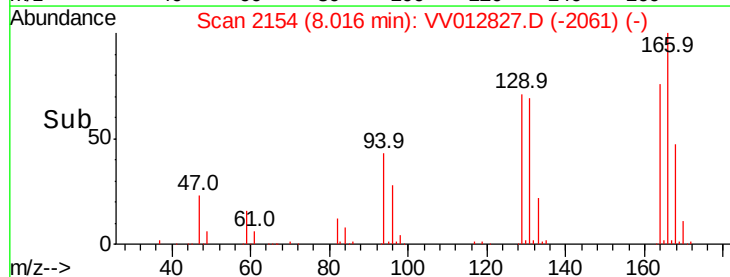
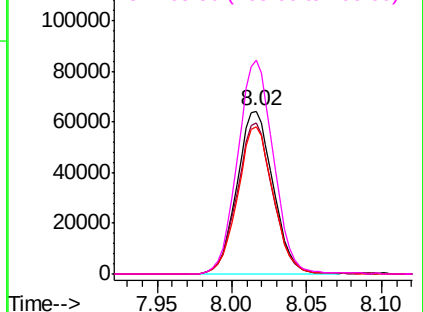


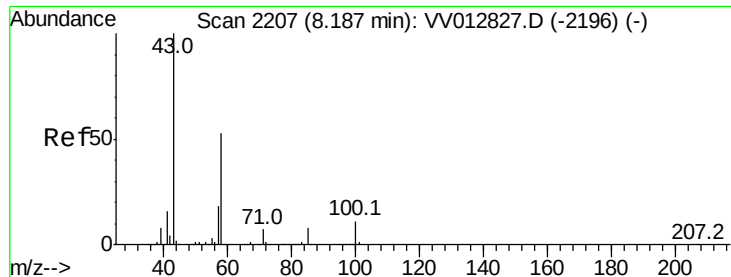
#47
 Tetrachloroethene
 Concen: 4.102 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV012827.D
 Acq: 16 Sep 2019 09:58

Tgt Ion:164 Resp: 108132
 Ion Ratio Lower Upper
 164 100
 129 92.9 65.0 120.8
 131 90.8 63.6 118.0
 166 131.2 91.8 170.6



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

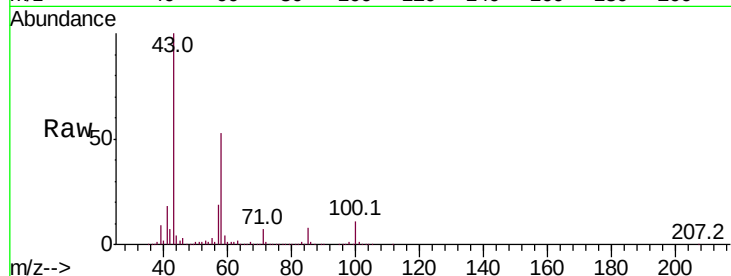




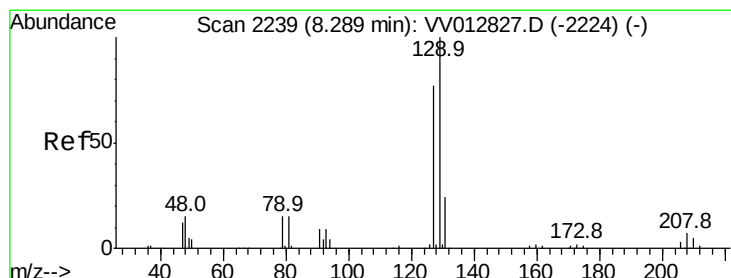
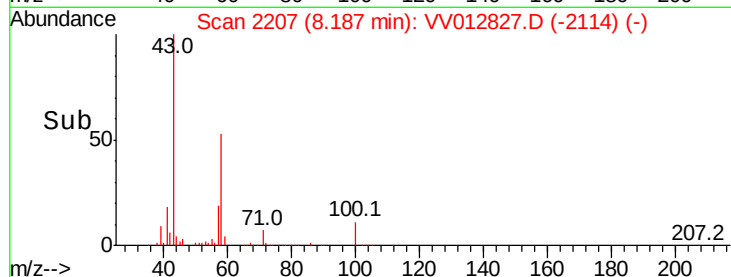
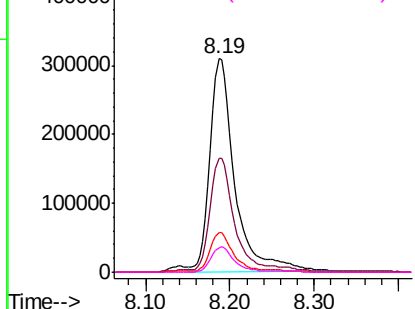
#48
2-Hexanone
Concen: 50.868 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV012827.D
Acq: 16 Sep 2019 09:58

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 631124
Ion Ratio Lower Upper
43 100
58 56.0 44.8 67.2
57 18.8 15.0 22.6
100 11.0 8.8 13.2

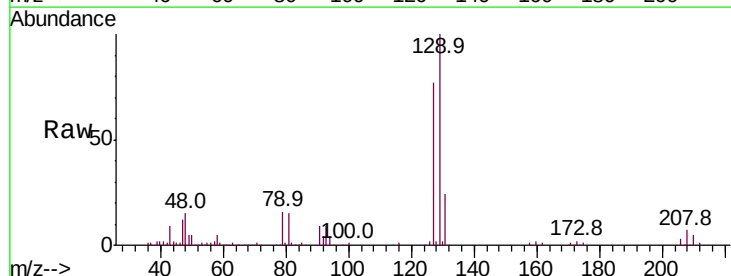


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

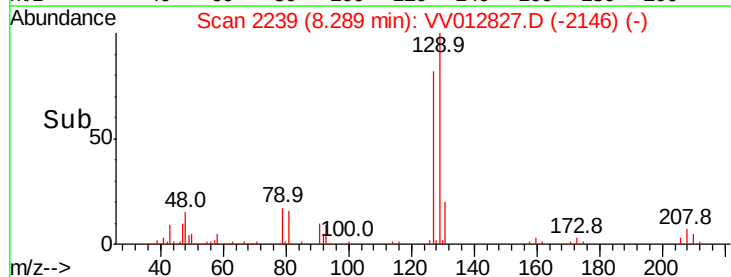
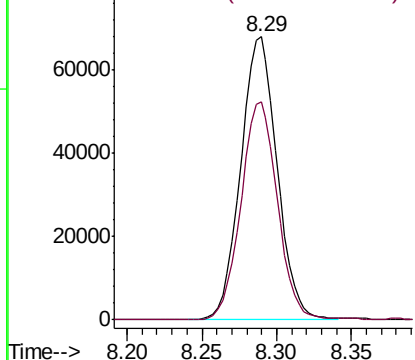


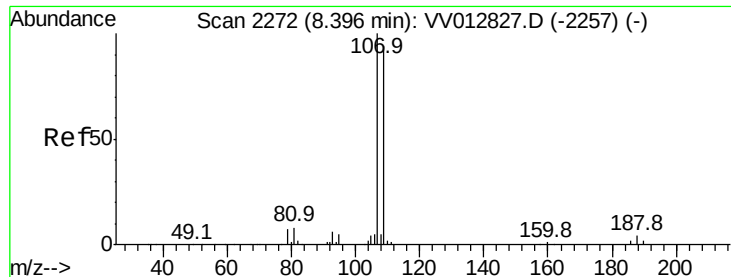
#49
Dibromochloromethane
Concen: 4.506 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV012827.D
Acq: 16 Sep 2019 09:58

Tgt Ion: 129 Resp: 115166
Ion Ratio Lower Upper
129 100
127 77.0 53.9 100.1



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V





#50

1,2-Dibromoethane

Concen: 4.384 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VV012827.D

Acq: 16 Sep 2019 09:58

Instrument :
MSVOA_V
ClientSampleId :

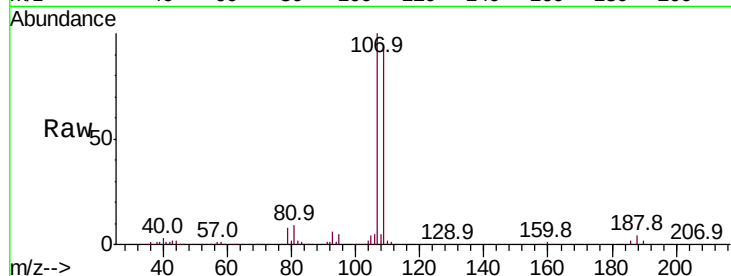
Tot Ion:107 Resp: 82903

Ion Ratio Lower Upper

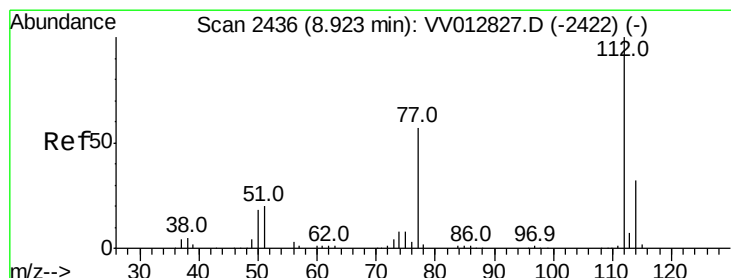
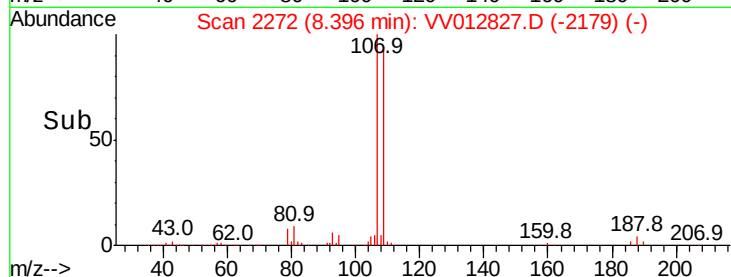
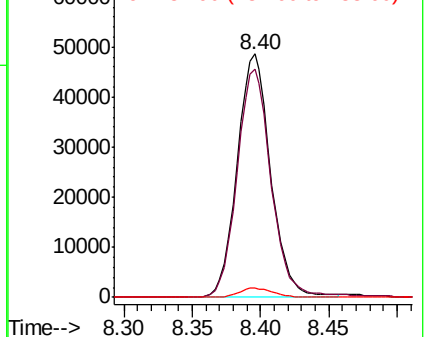
107 100

109 93.5 65.5 121.6

188 3.7 3.0 4.4



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: 4.465 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. 0.00 min

Lab File: VV012827.D

Acq: 16 Sep 2019 09:58

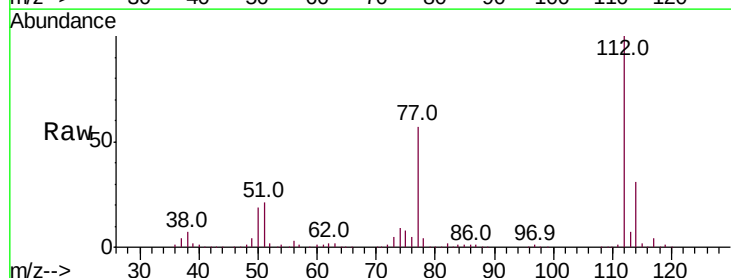
Tgt Ion:112 Resp: 375884

Ion Ratio Lower Upper

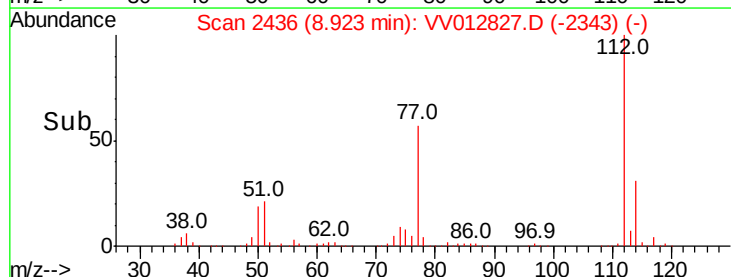
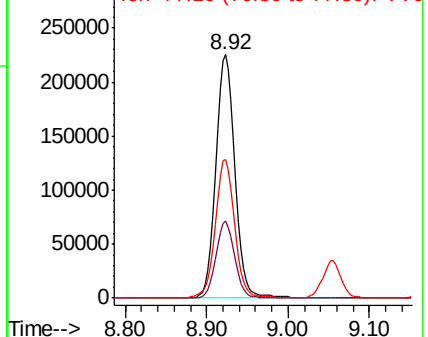
112 100

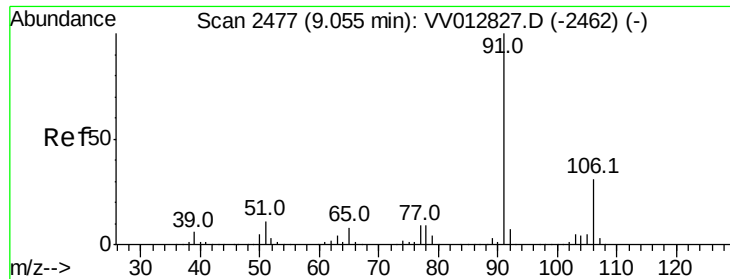
114 31.5 22.0 41.0

77 57.1 45.7 68.5



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





#52

Ethylbenzene

Concen: 4.335 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV012827.D

Acq: 16 Sep 2019 09:58

Instrument :

MSVOA_V

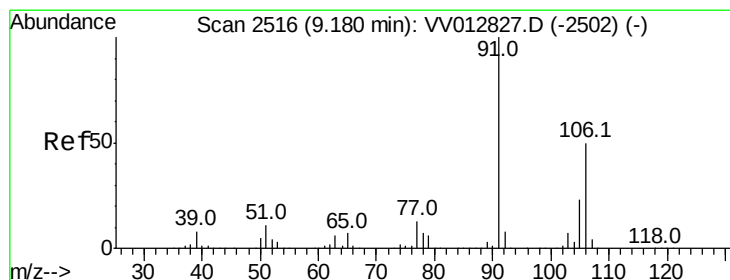
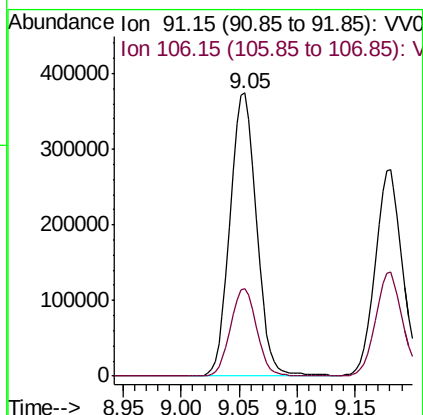
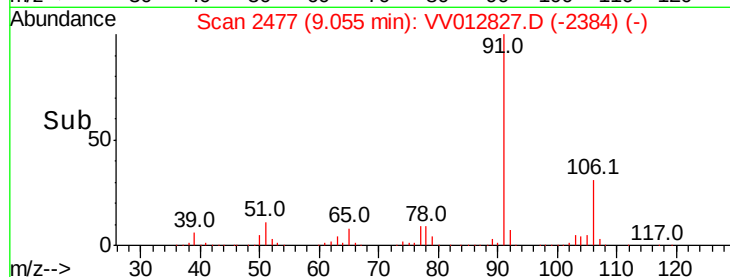
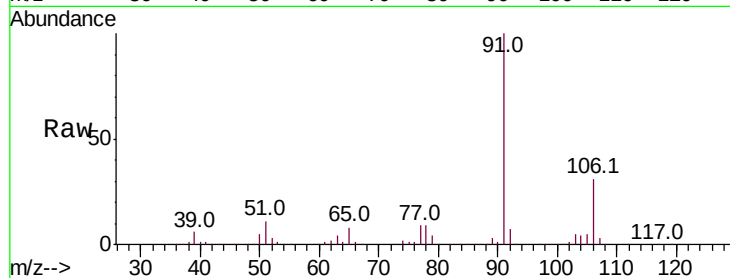
ClientSampleId :

Tot Ion: 91 Resp: 591417

Ion Ratio Lower Upper

91 100

106 31.0 21.7 40.3



#53

m,p-xylene

Concen: 4.351 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV012827.D

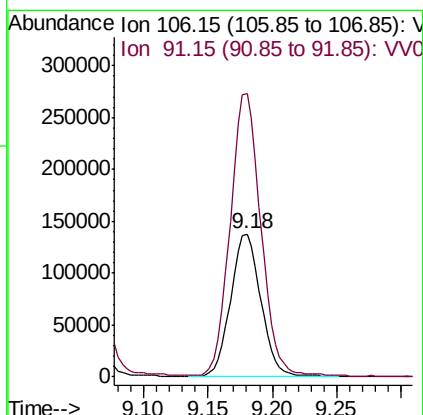
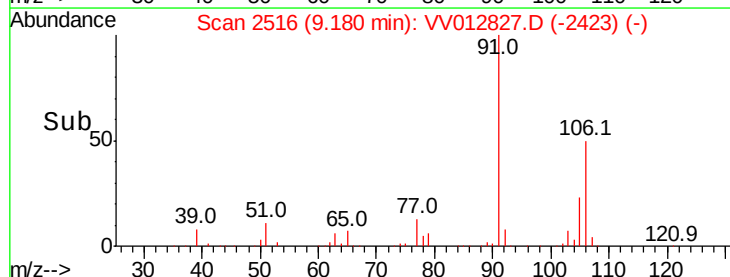
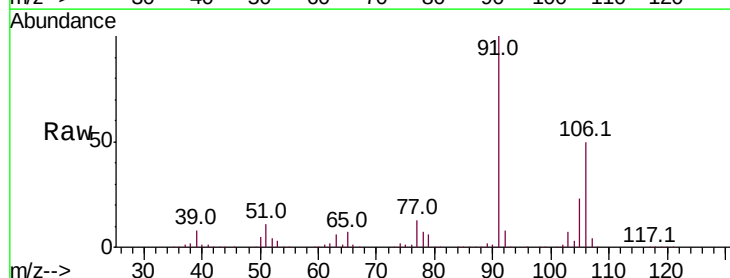
Acq: 16 Sep 2019 09:58

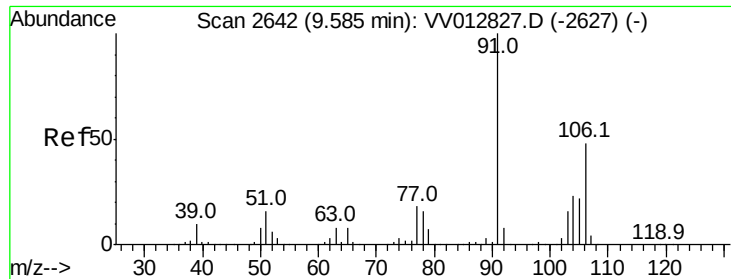
Tgt Ion: 106 Resp: 223713

Ion Ratio Lower Upper

106 100

91 198.5 138.9 258.1





#54

o-xylene

Concen: 4.418 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV012827.D

Acq: 16 Sep 2019 09:58

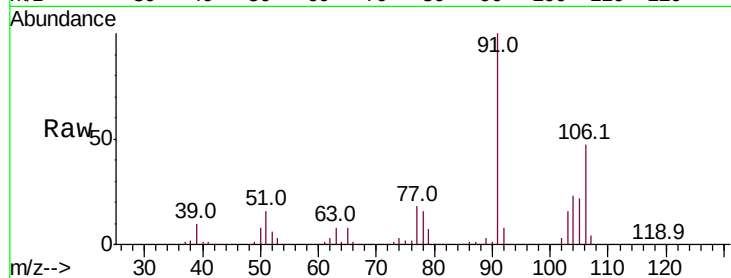
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 218435

Ion Ratio Lower Upper

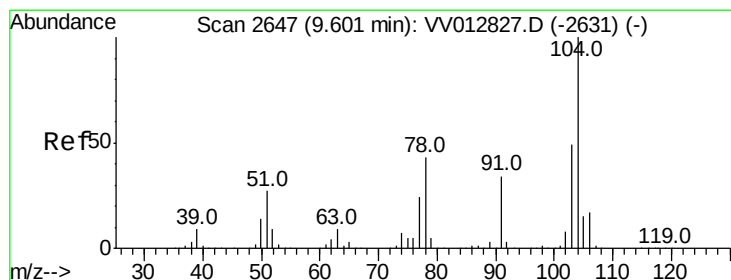
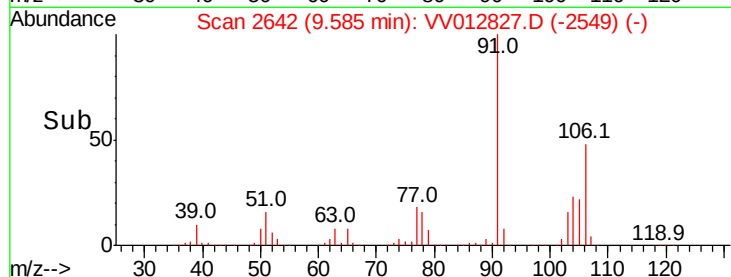
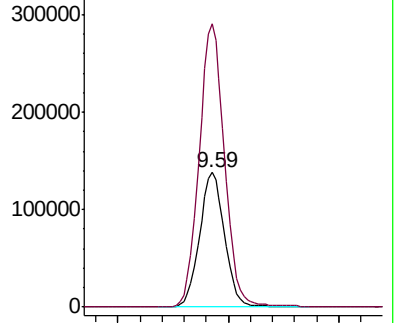
106 100

91 210.6 147.4 273.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 4.707 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV012827.D

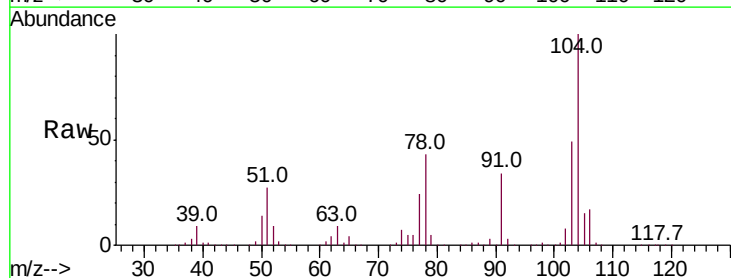
Acq: 16 Sep 2019 09:58

Tgt Ion:104 Resp: 388756

Ion Ratio Lower Upper

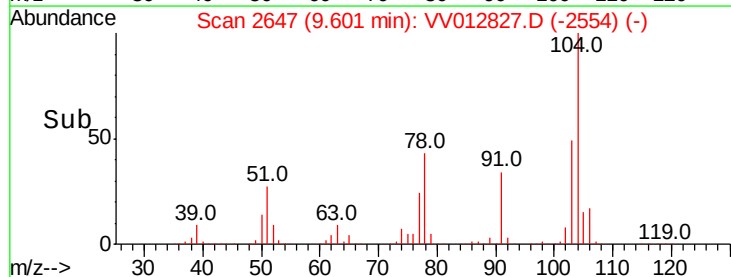
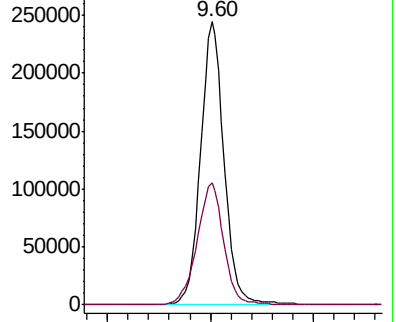
104 100

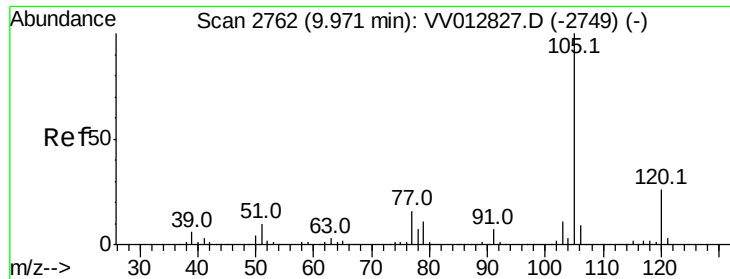
78 43.1 30.2 56.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 4.491 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV012827.D

Acq: 16 Sep 2019 09:58

Instrument :

MSVOA_V

ClientSampleId :

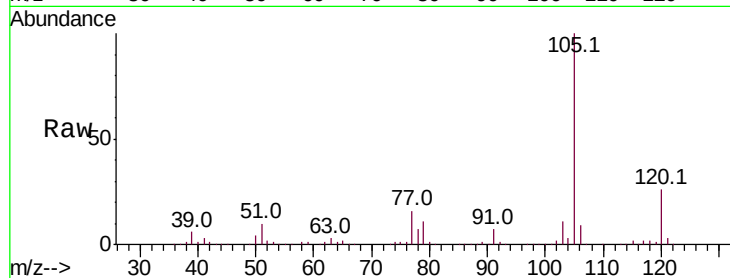
Tot Ion:105 Resp: 589812

Ion Ratio Lower Upper

105 100

120 26.2 21.0 31.4

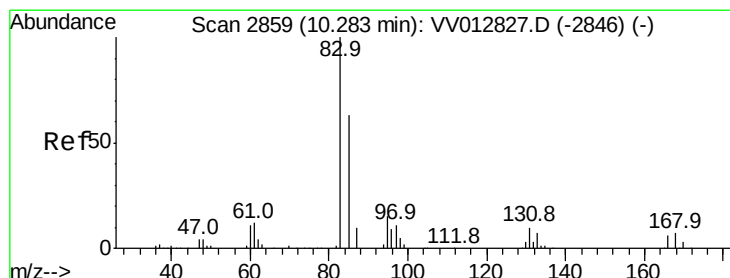
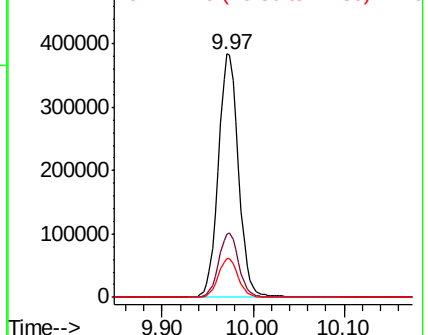
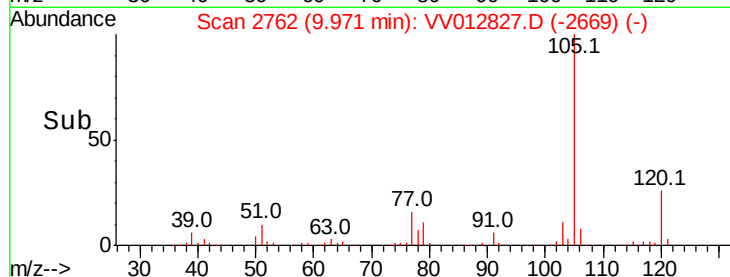
77 16.0 12.8 19.2



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: 4.359 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV012827.D

Acq: 16 Sep 2019 09:58

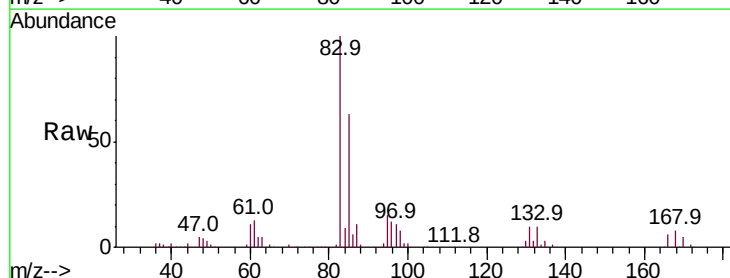
Tgt Ion: 83 Resp: 92522

Ion Ratio Lower Upper

83 100

85 63.0 44.1 81.9

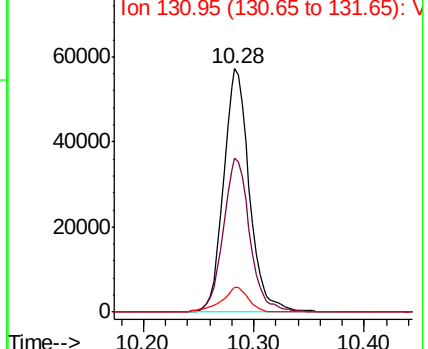
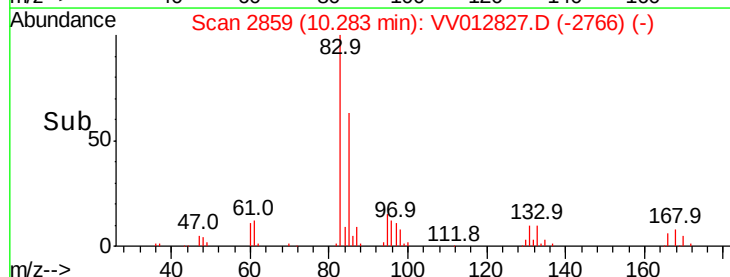
131 10.2 8.2 12.2

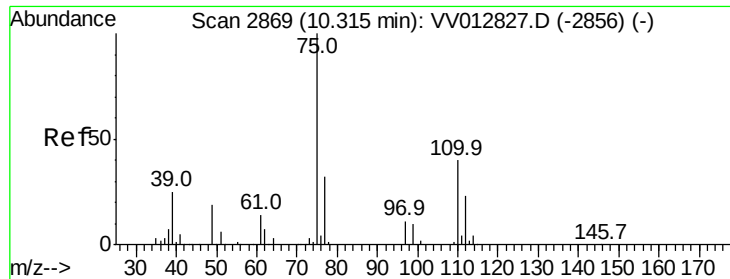


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.556 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV012827.D

Acq: 16 Sep 2019 09:58

Instrument :

MSVOA_V

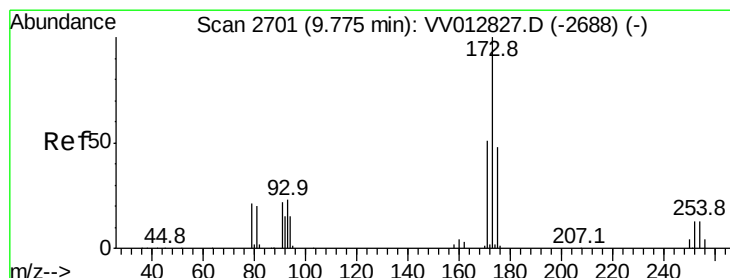
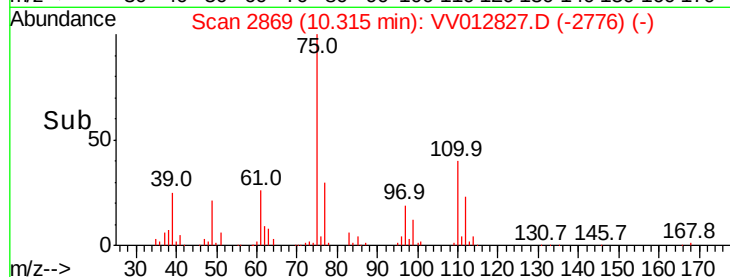
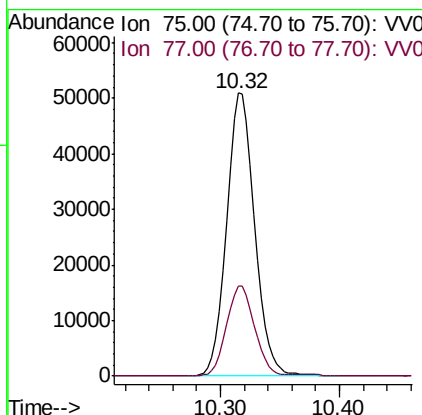
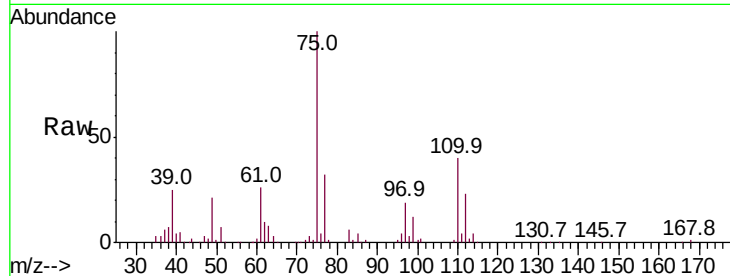
ClientSampleId :

Tot Ion: 75 Resp: 83126

Ion Ratio Lower Upper

75 100

77 31.9 25.5 38.3



#61

Bromoform

Concen: 4.256 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV012827.D

Acq: 16 Sep 2019 09:58

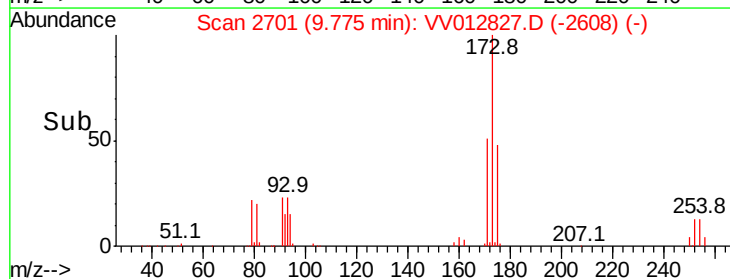
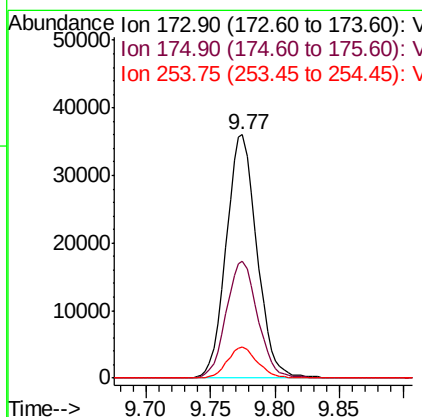
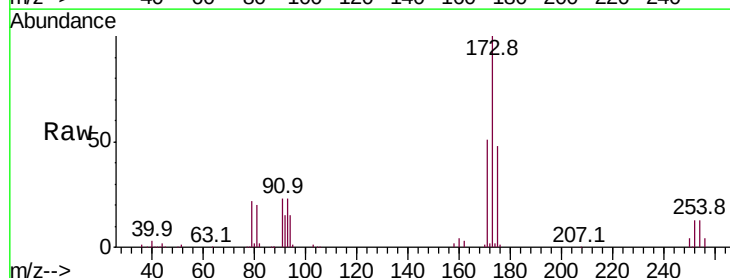
Tgt Ion: 173 Resp: 59476

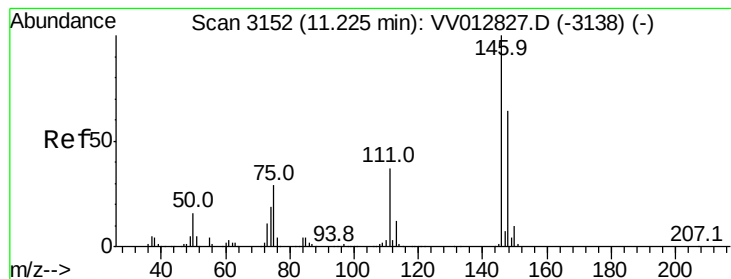
Ion Ratio Lower Upper

173 100

175 49.2 39.4 59.0

254 12.4 9.9 14.9





#62

1,3-Dichlorobenzene

Concen: 4.564 ug/L

RT: 11.23 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV012827.D

Acq: 16 Sep 2019 09:58

Instrument :

MSVOA_V

ClientSampleId :

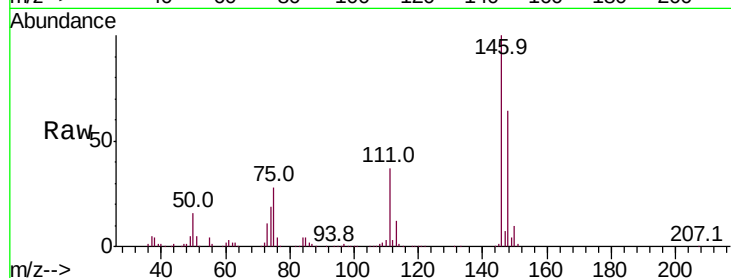
Tot Ion:146 Resp: 296357

Ion Ratio Lower Upper

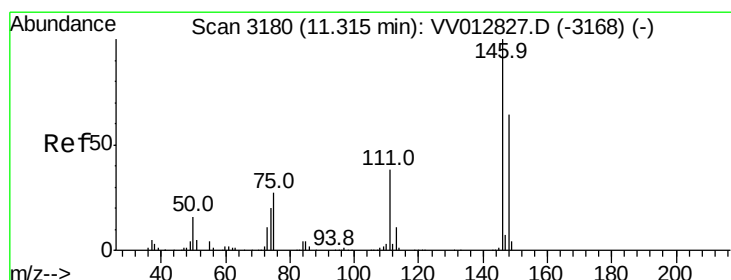
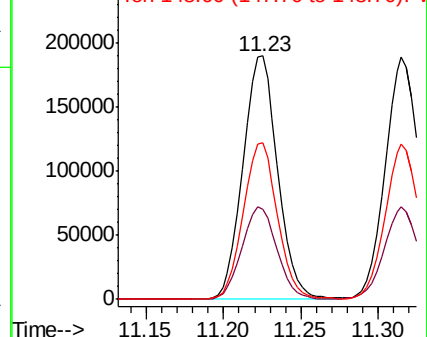
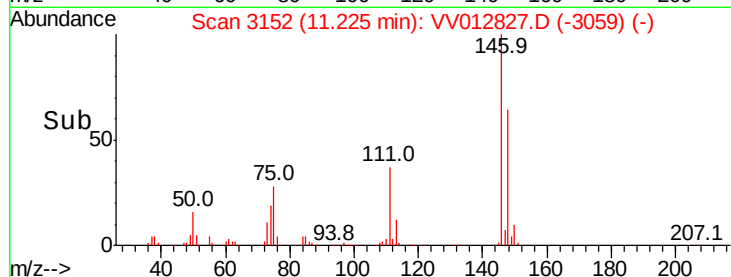
146 100

111 37.2 26.0 48.4

148 64.3 45.0 83.6



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



#63

1,4-Dichlorobenzene

Concen: 4.492 ug/L

RT: 11.32 min Scan# 3180

Delta R.T. 0.00 min

Lab File: VV012827.D

Acq: 16 Sep 2019 09:58

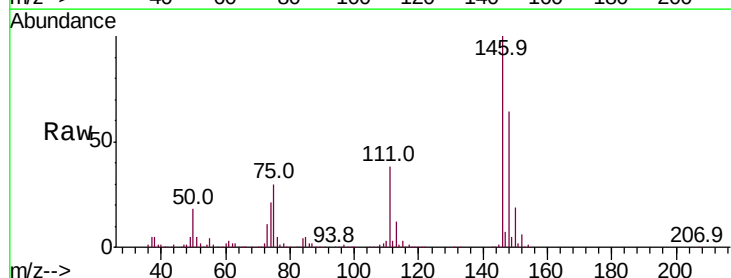
Tgt Ion:146 Resp: 294894

Ion Ratio Lower Upper

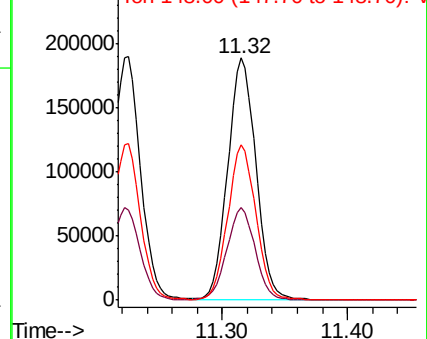
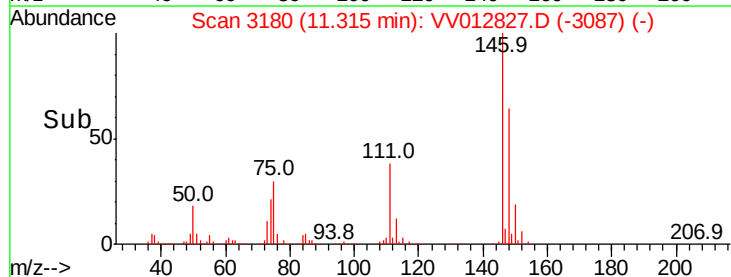
146 100

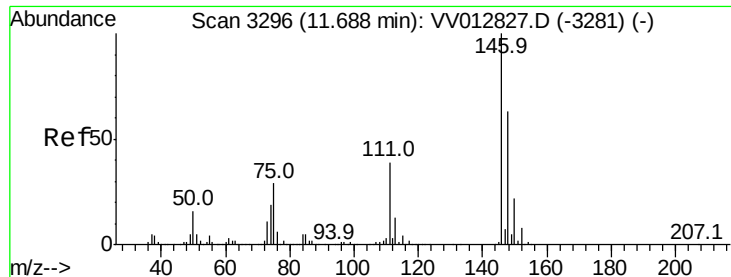
111 38.0 26.6 49.4

148 64.3 45.0 83.6



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





#65

1,2-Dichlorobenzene

Concen: 4.552 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. 0.00 min

Lab File: VV012827.D

Acq: 16 Sep 2019 09:58

Instrument :

MSVOA_V

ClientSampled :

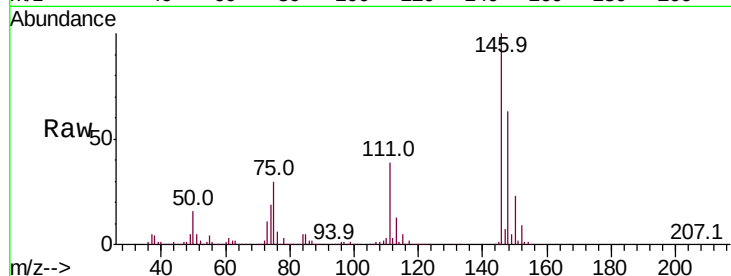
Tot Ion:146 Resp: 279705

Ion Ratio Lower Upper

146 100

111 39.3 31.4 47.2

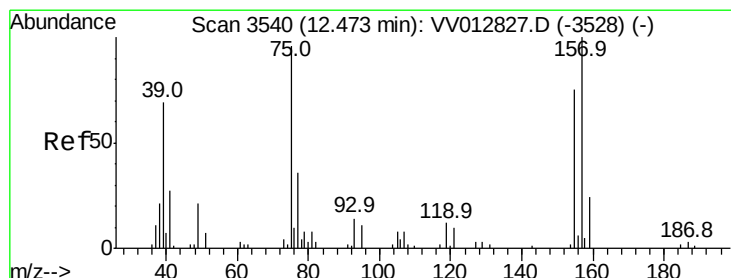
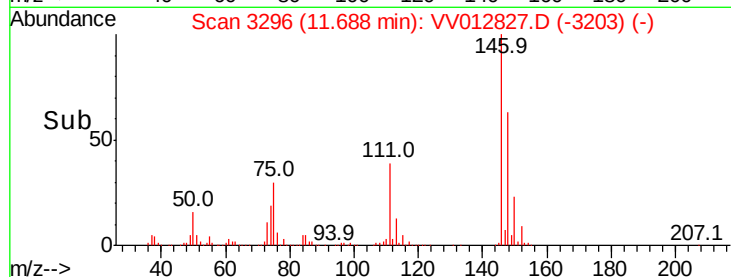
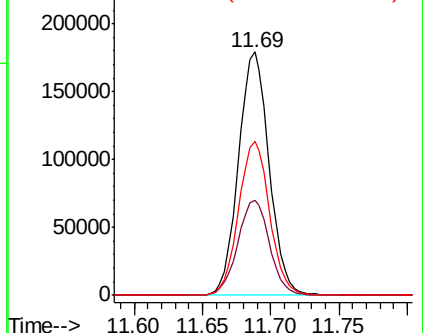
148 63.2 50.6 75.8



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



#66

1,2-Dibromo-3-chloropropane

Concen: 3.976 ug/L

RT: 12.47 min Scan# 3540

Delta R.T. 0.00 min

Lab File: VV012827.D

Acq: 16 Sep 2019 09:58

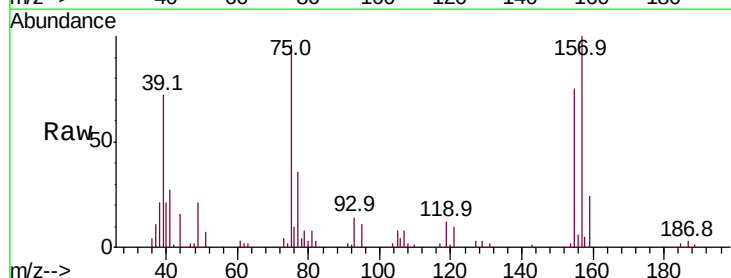
Tgt Ion: 75 Resp: 12466

Ion Ratio Lower Upper

75 100

155 78.7 63.0 94.4

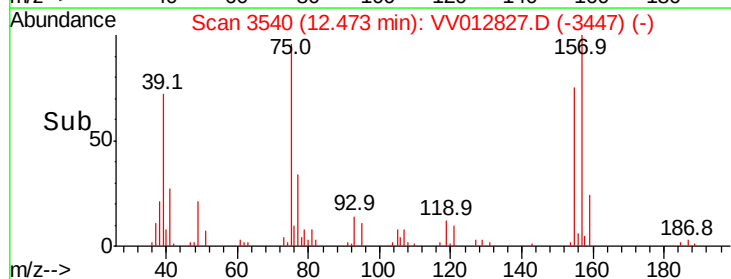
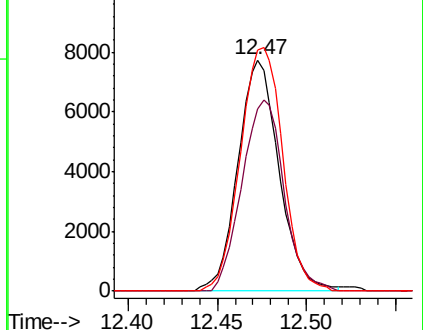
157 104.6 83.7 125.5

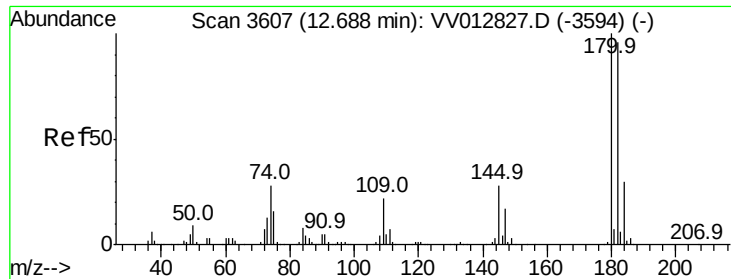


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

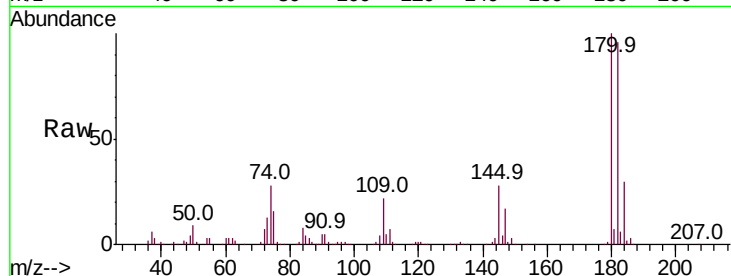




#67
 1,3,5-Trichlorobenzene
 Concen: 4.426 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV012827.D
 Acq: 16 Sep 2019 09:58

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	180	Resp:	217540
Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.7	115.1
184	30.5	24.4	36.6
145	27.9	22.3	33.5



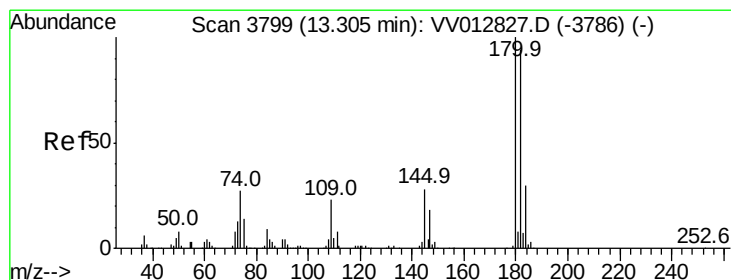
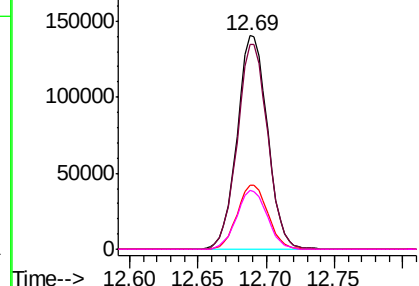
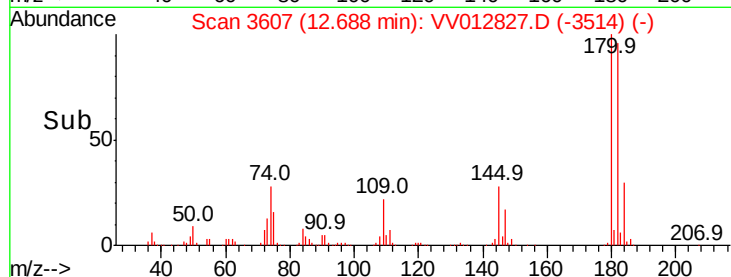
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

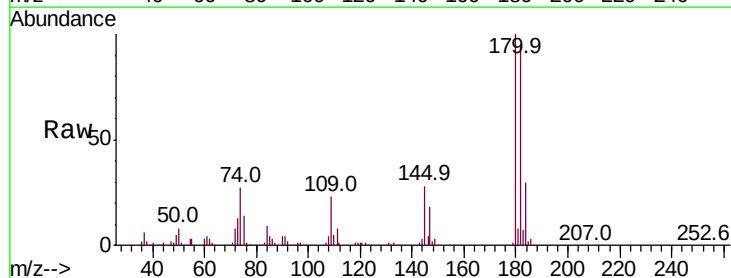
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.250 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV012827.D
 Acq: 16 Sep 2019 09:58

Tgt Ion:	180	Resp:	164777
Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.2	114.4
145	27.8	22.2	33.4

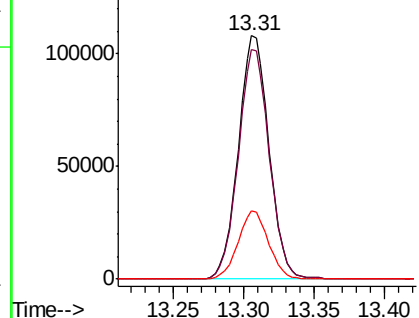
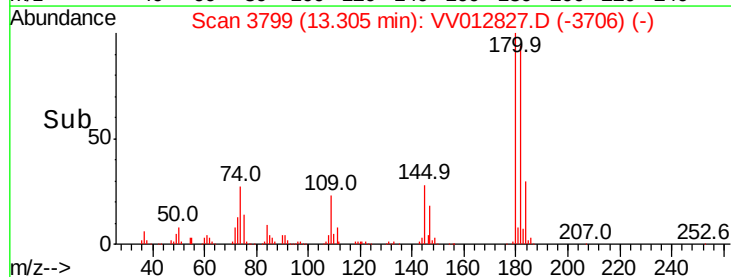


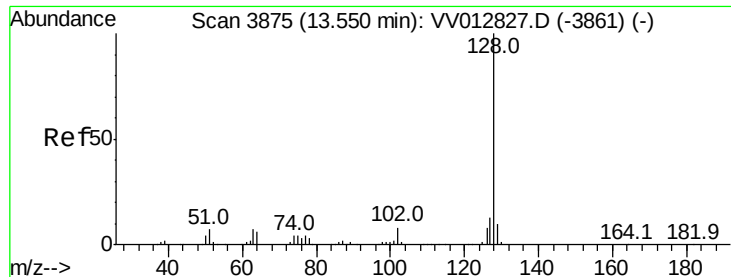
Abundance

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: 3.935 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV012827.D

Acq: 16 Sep 2019 09:58

Instrument :

MSVOA_V

ClientSampleId :

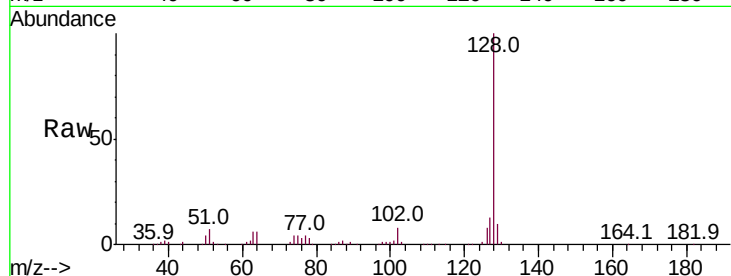
Tot Ion:128 Resp: 227886

Ion Ratio Lower Upper

128 100

129 10.4 8.3 12.5

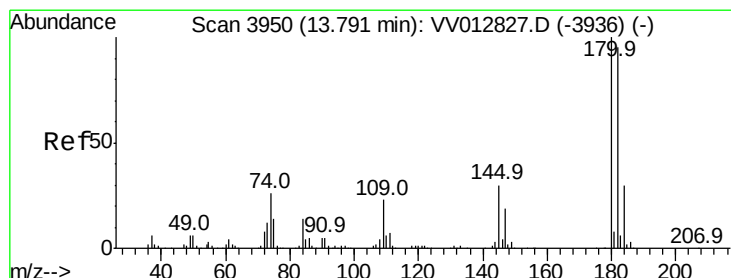
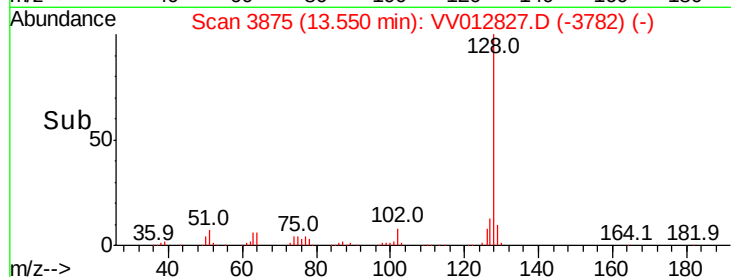
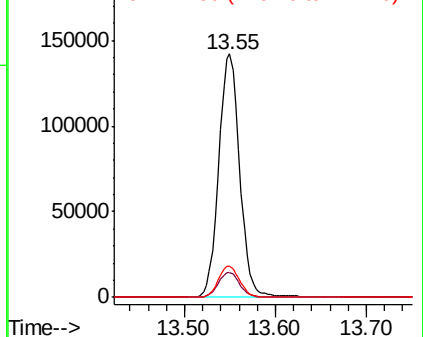
127 13.1 10.5 15.7



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: 4.478 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV012827.D

Acq: 16 Sep 2019 09:58

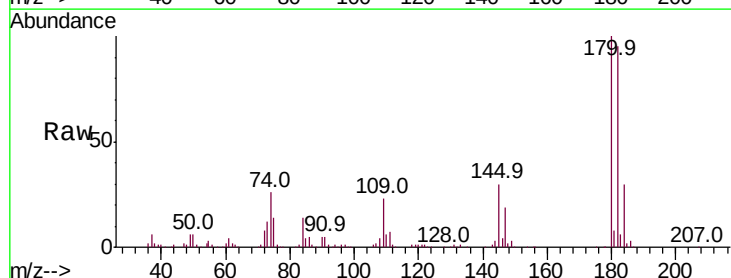
Tgt Ion:180 Resp: 164353

Ion Ratio Lower Upper

180 100

182 95.3 76.2 114.4

145 31.1 24.9 37.3



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

