

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091319\
 Data File : VV012729.D
 Acq On : 13 Sep 2019 10:48
 Operator : SY/MD
 Sample : VSTD20067
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 13 18:27:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM091319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 13 18:23:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	822387	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	797283	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	417281	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	938271	201.31	ug/L	0.00
7) Chloroethane-d5	1.57	69	819358	196.43	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	1770052	195.24	ug/L	0.00
21) 2-Butanone-d5	3.92	46	2121615	438.94	ug/L	0.00
24) Chloroform-d	4.40	84	2282481	197.64	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	1388303	198.17	ug/L	0.00
32) Benzene-d6	5.10	84	4322057	203.14	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	1526197	203.30	ug/L	0.00
41) Toluene-d8	7.36	98	4135325	212.47	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	706487	225.88	ug/L	0.00
47) 2-Hexanone-d5	8.13	63	1580038	548.56	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	2143379	223.17	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	1940320	203.74	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	1042607	189.364	ug/L	100
3) Chloromethane	1.25	50	1078376	187.702	ug/L	99
5) Vinyl chloride	1.32	62	1110651	193.347	ug/L	99
6) Bromomethane	1.51	94	414111	128.172	ug/L	100
8) Chloroethane	1.59	64	686422	191.294	ug/L	100
9) Trichlorofluoromethane	1.76	101	1499717	186.057	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	913823	183.646	ug/L	99
12) 1,1-Dichloroethene	2.14	96	825861	190.511	ug/L	98
13) Acetone	2.18	43	1410067	353.426	ug/L	99
14) Carbon disulfide	2.31	76	1840017	194.502	ug/L	99
15) Methyl Acetate	2.45	43	1276060	201.492	ug/L	100
16) Methylene chloride	2.53	84	1070216	188.156	ug/L	98
17) trans-1,2-Dichloroethene	2.79	96	921970	194.571	ug/L	99
18) Methyl tert-butyl Ether	2.80	73	3330521	203.770	ug/L	100
19) 1,1-Dichloroethane	3.23	63	1971770	192.509	ug/L	99
20) cis-1,2-Dichloroethene	3.96	96	1183436	201.852	ug/L	98
22) 2-Butanone	4.00	43	2063347	416.250	ug/L	100
23) Bromochloromethane	4.29	128	579705	194.623	ug/L	98
25) Chloroform	4.42	83	2024618	188.156	ug/L	99
27) 1,2-Dichloroethane	5.18	62	1542839	191.574	ug/L	98
29) Cyclohexane	4.72	56	1604233	211.953	ug/L	99
30) 1,1,1-Trichloroethane	4.66	97	1622632	194.635	ug/L	98
31) Carbon tetrachloride	4.87	117	1410944	196.559	ug/L	99
33) Benzene	5.14	78	4254939	196.202	ug/L	100
34) Trichloroethene	5.96	95	1172993	186.069	ug/L	99
35) Methylcyclohexane	6.18	83	1667730	209.712	ug/L	99
37) 1,2-Dichloropropane	6.22	63	1206795	193.501	ug/L	100
38) Bromodichloromethane	6.55	83	1593366	198.477	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	1929196	220.942	ug/L	100
40) 4-Methyl-2-pentanone	7.27	43	3786332	438.677	ug/L	98

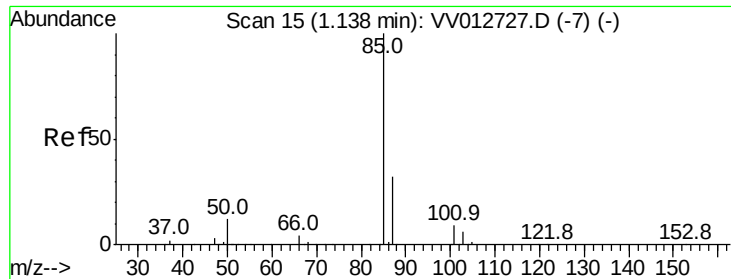
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 Quant Title : VOC Analysis
 QLast Update : Fri Sep 13 18:23:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	4578922	203.318	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	1709908	222.117	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	1186201	194.941	ug/L	100
46) Tetrachloroethene	8.02	164	859250	196.501	ug/L	99
48) 2-Hexanone	8.18	43	3021138	425.708	ug/L	98
49) Dibromochloromethane	8.29	129	1328389	208.354	ug/L	98
50) 1,2-Dibromoethane	8.39	107	1202477	205.131	ug/L	100
51) Chlorobenzene	8.92	112	3058442	198.213	ug/L	99
52) Ethylbenzene	9.05	91	5240410	211.660	ug/L	98
53) m,p-Xylene	9.18	106	1999254	219.265	ug/L	98
54) o-xylene	9.59	106	2036400	220.001	ug/L	100
55) Styrene	9.60	104	3556837	226.551	ug/L	99
56) Isopropylbenzene	9.97	105	5358402	220.323	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	1821953	219.283	ug/L	100
59) 1,2,3-Trichloropropane	10.31	75	1595205	200.955	ug/L	100
61) Bromoform	9.77	173	1021495	202.727	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	2558975	198.543	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	2572395	194.569	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	2637002	194.585	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	411071	227.217	ug/L	97
67) 1,3,5-Trichlorobenzene	12.69	180	2001530	210.204	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	1844871	229.312	ug/L	99
69) Naphthalene	13.55	128	5705942	245.335	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	1894178	216.889	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 189.364 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV012729.D

Acq: 13 Sep 2019 10:48

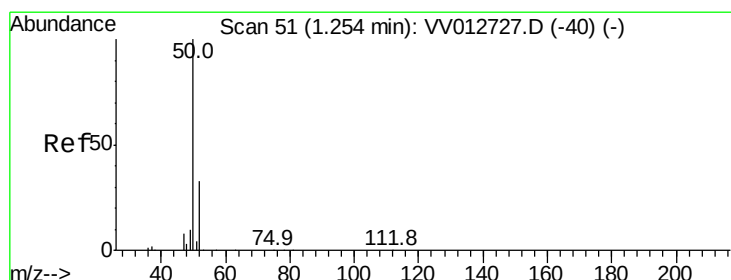
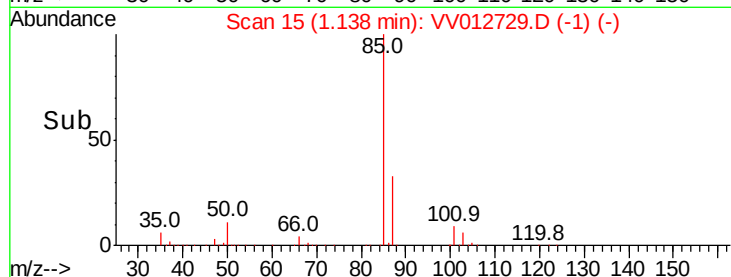
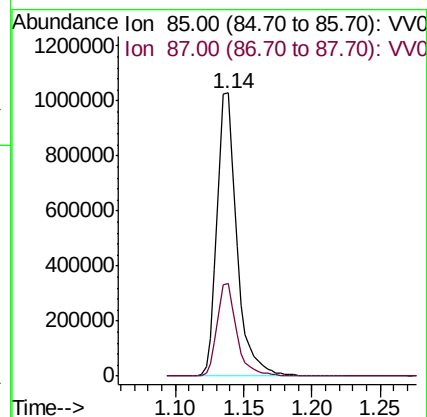
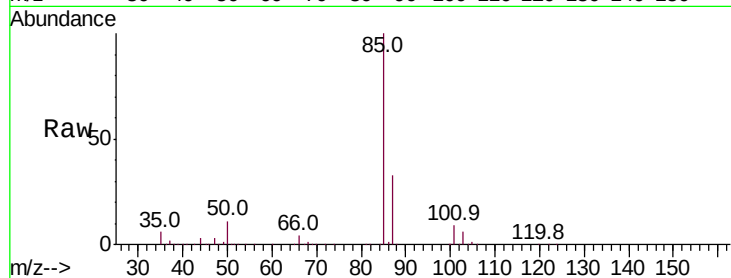
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 85 Resp: 1042607

Ion Ratio Lower Upper

85 100

87 32.3 25.8 38.6



#3

Chloromethane

Concen: 187.702 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV012729.D

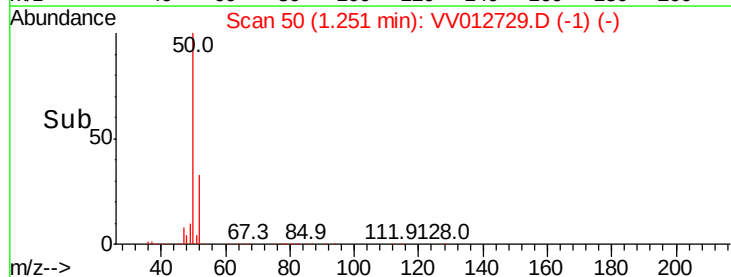
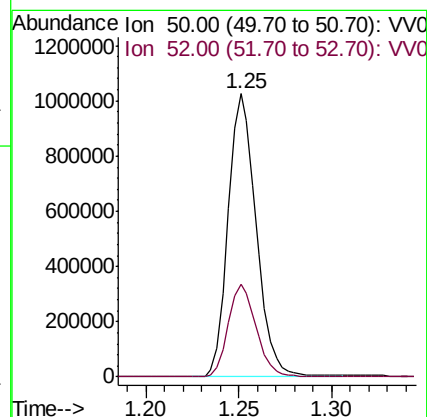
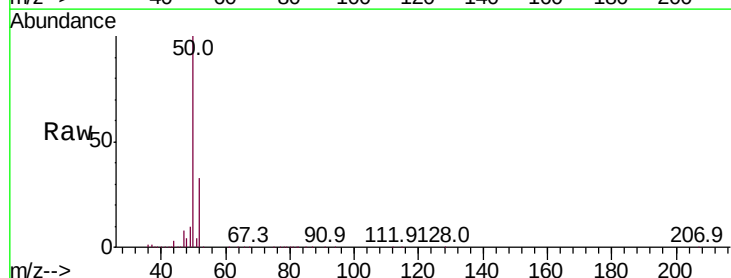
Acq: 13 Sep 2019 10:48

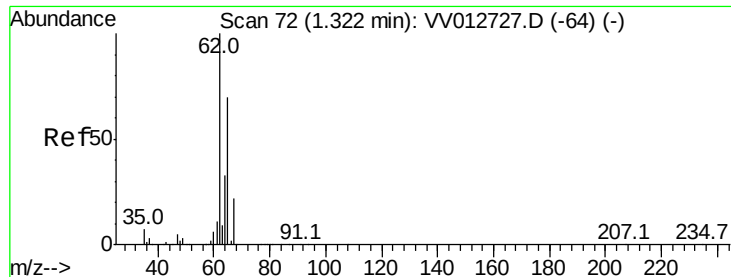
Tgt Ion: 50 Resp: 1078376

Ion Ratio Lower Upper

50 100

52 32.6 23.4 43.4





#5

Vinyl chloride

Concen: 193.347 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

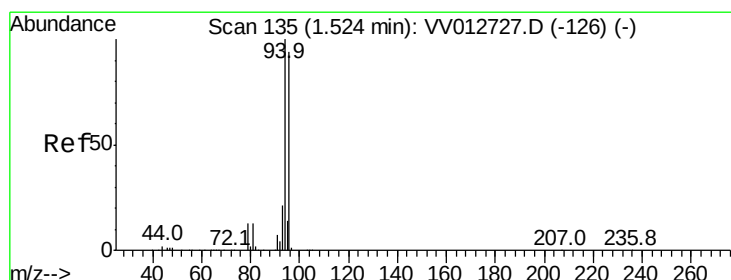
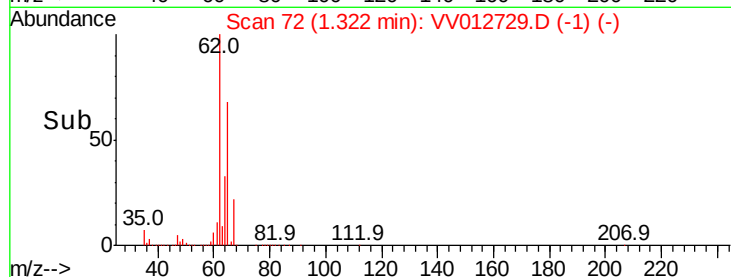
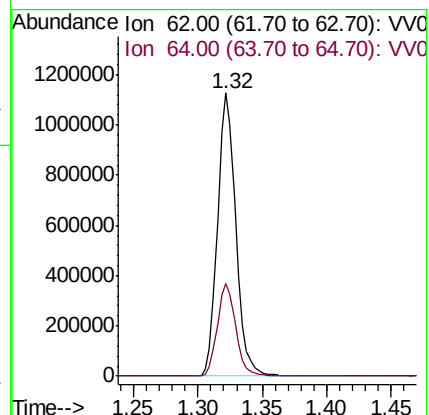
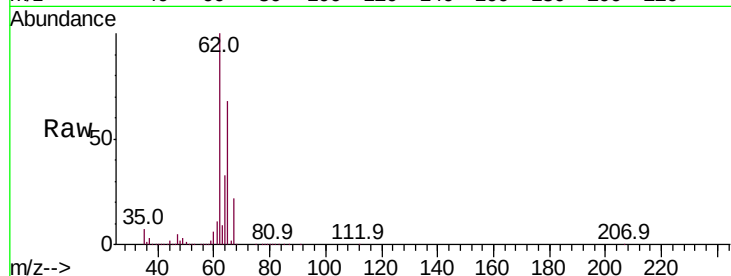
Lab File: VV012729.D

Acq: 13 Sep 2019 10:48

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 1110651

Ion	Ratio	Lower	Upper
62	100		
64	32.9	23.2	43.2



#6

Bromomethane

Concen: 128.172 ug/L

RT: 1.51 min Scan# 132

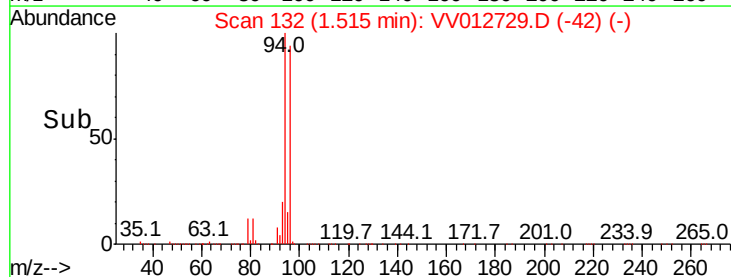
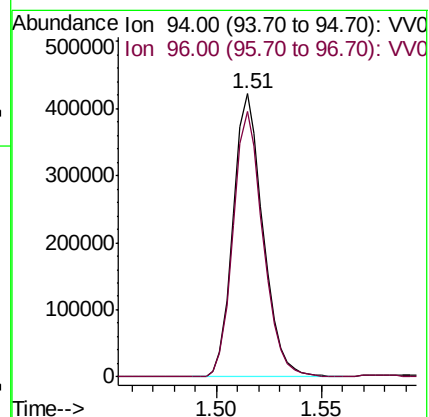
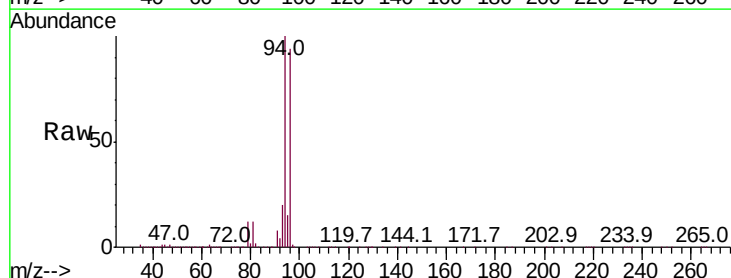
Delta R.T. -0.01 min

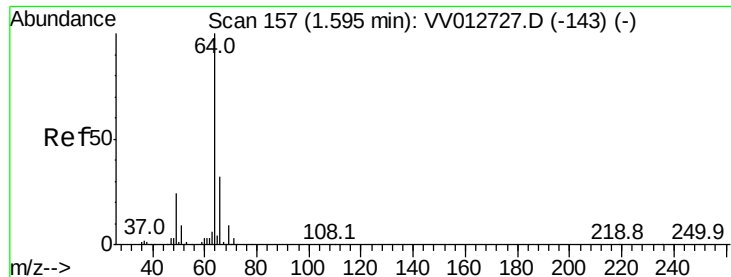
Lab File: VV012729.D

Acq: 13 Sep 2019 10:48

Tgt Ion: 94 Resp: 414111

Ion	Ratio	Lower	Upper
94	100		
96	94.0	65.9	122.3





#8

Chloroethane

Concen: 191.294 ug/L

RT: 1.59 min Scan# 154

Delta R.T. -0.01 min

Lab File: VV012729.D

Acq: 13 Sep 2019 10:48

Instrument :

MSVOA_V

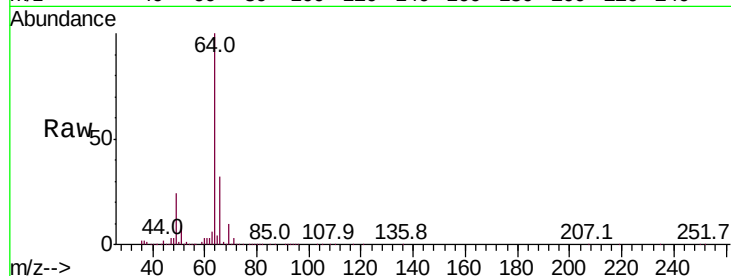
ClientSampleId :

Tot Ion: 64 Resp: 686422

Ion Ratio Lower Upper

64 100

66 31.8 22.4 41.6



Abundance Ion 64.00 (63.70 to 64.70): VV012727.D (-143) (-)

Ion 66.00 (65.70 to 66.70): VV012727.D (-143) (-)

1.59

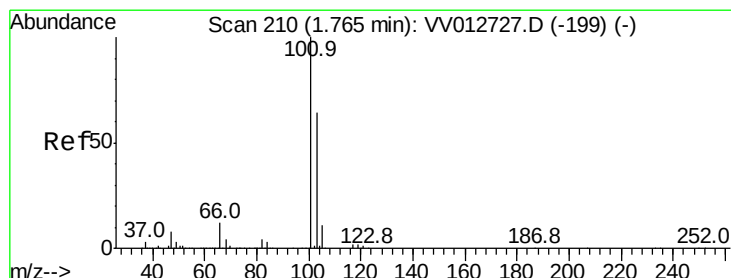
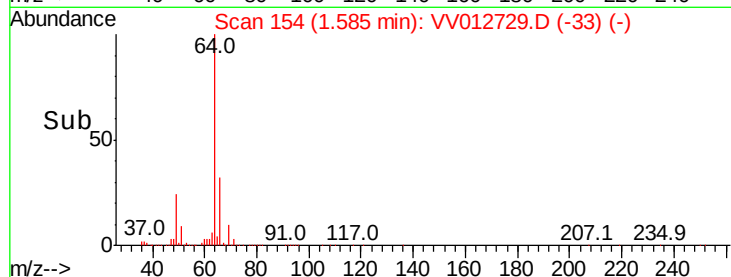
600000

400000

200000

0

Time--> 1.50 1.55 1.60 1.65 1.70



#9

Trichlorofluoromethane

Concen: 186.057 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV012729.D

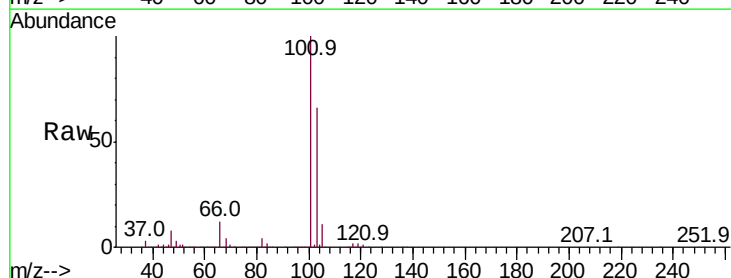
Acq: 13 Sep 2019 10:48

Tgt Ion:101 Resp: 1499717

Ion Ratio Lower Upper

101 100

103 65.0 51.4 77.2



Abundance Ion 101.00 (100.70 to 101.70): VV012727.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV012727.D (-199) (-)

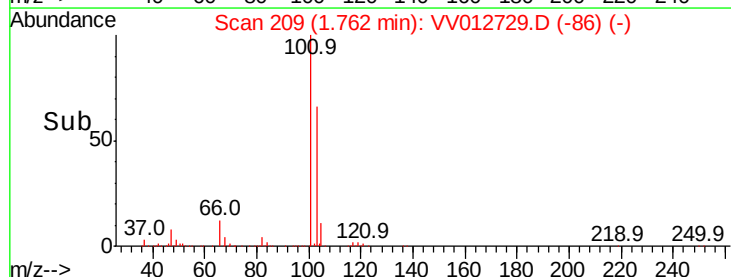
1.76

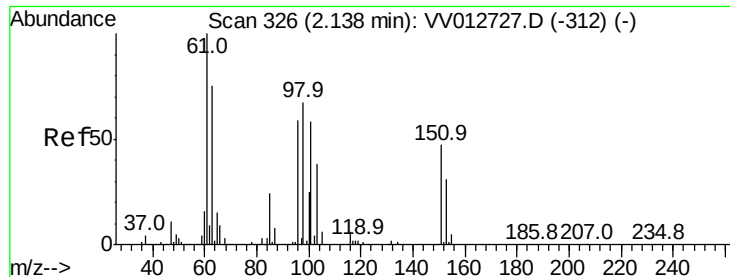
1000000

500000

0

Time--> 1.70 1.75 1.80 1.85 1.90





#10

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

Concen: 183.646 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV012729.D

Acq: 13 Sep 2019 10:48

Instrument :

MSVOA_V

ClientSampleId :

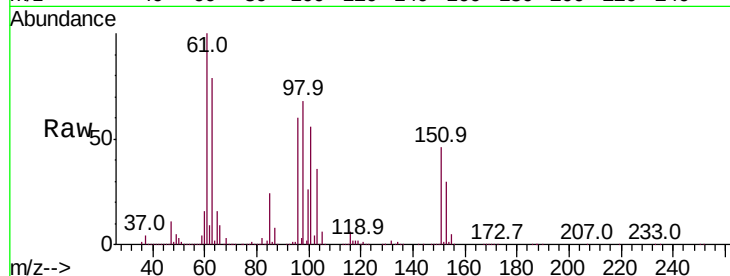
Tot Ion:101 Resp: 913823

Ion Ratio Lower Upper

101 100

85 41.9 32.7 49.1

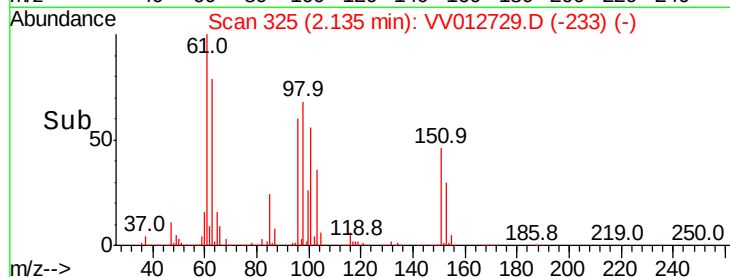
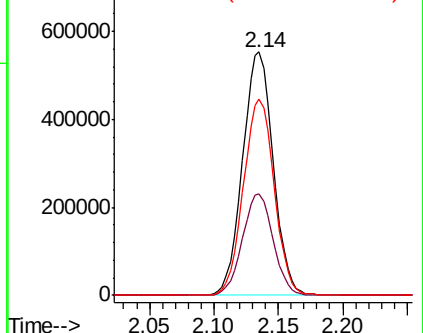
151 81.3 65.0 97.4



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: 190.511 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV012729.D

Acq: 13 Sep 2019 10:48

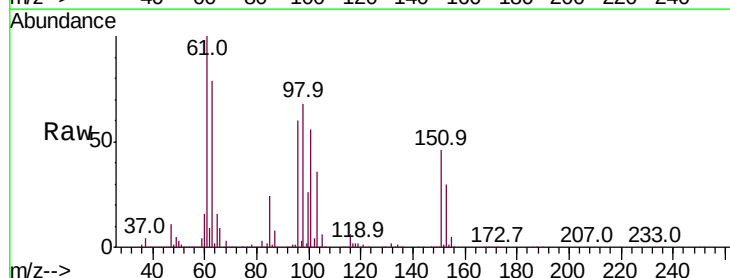
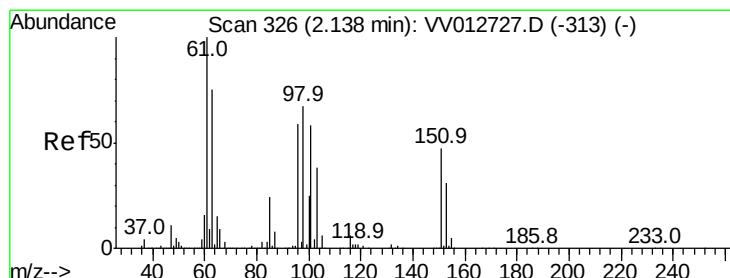
Tgt Ion: 96 Resp: 825861

Ion Ratio Lower Upper

96 100

61 166.9 118.0 219.2

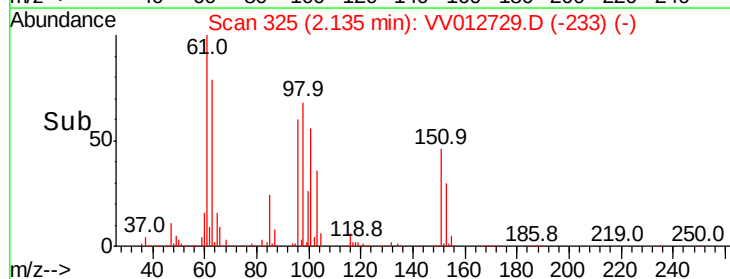
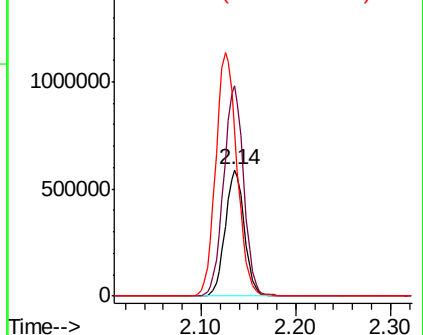
63 131.7 89.2 165.6

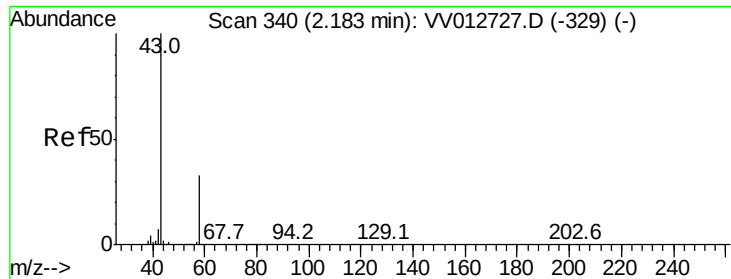


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 353.426 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.00 min

Lab File: VV012729.D

Acq: 13 Sep 2019 10:48

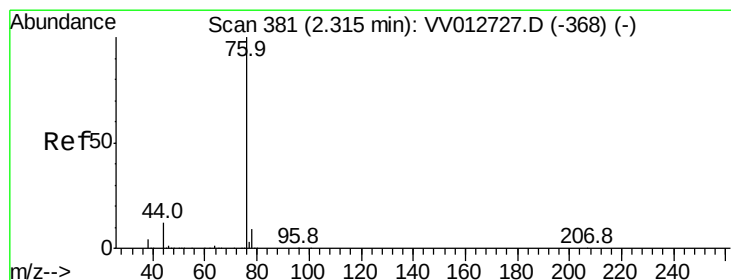
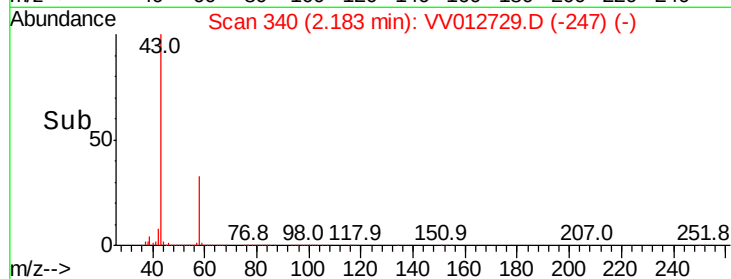
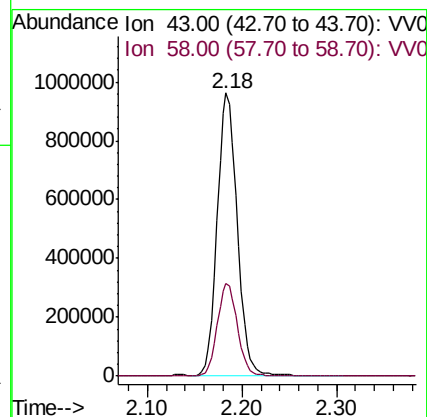
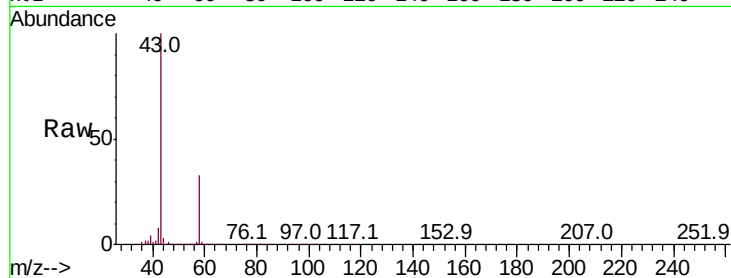
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 1410067

Ion Ratio Lower Upper

43 100

58 32.6 0.0 66.4



#14

Carbon disulfide

Concen: 194.502 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV012729.D

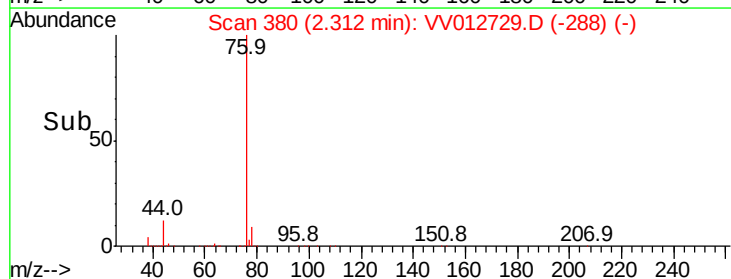
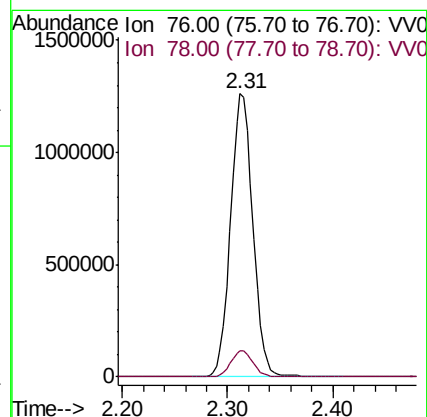
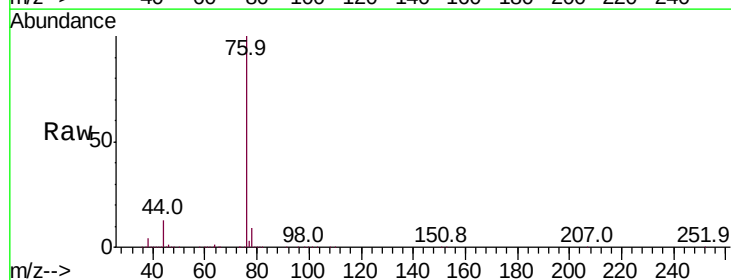
Acq: 13 Sep 2019 10:48

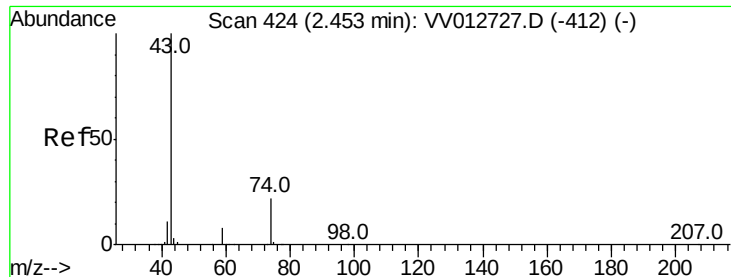
Tgt Ion: 76 Resp: 1840017

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8





#15

Methvl Acetate

Concen: 201.492 ug/L

RT: 2.45 min Scan# 424

Delta R.T. 0.00 min

Lab File: VV012729.D

Acq: 13 Sep 2019 10:48

Instrument :

MSVOA_V

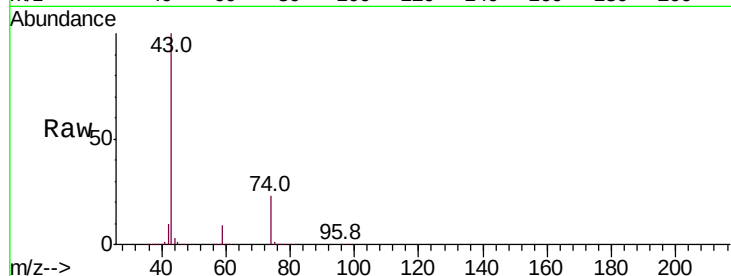
ClientSampleId :

Tot Ion: 43 Resp: 1276060

Ion Ratio Lower Upper

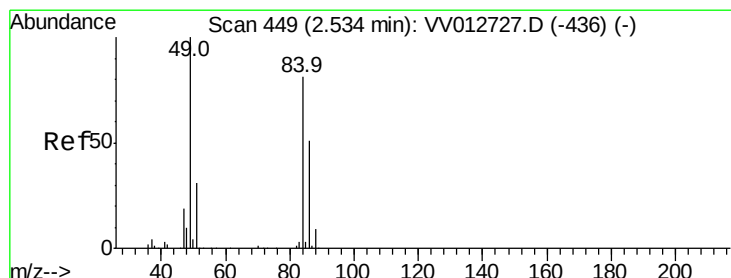
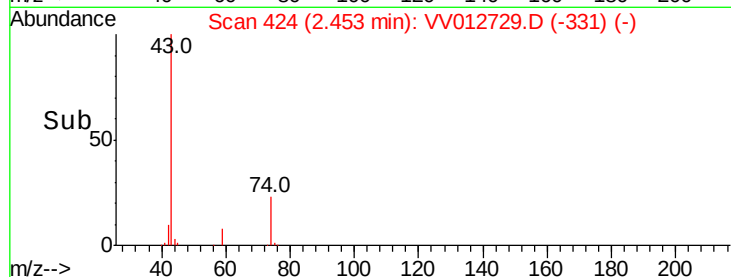
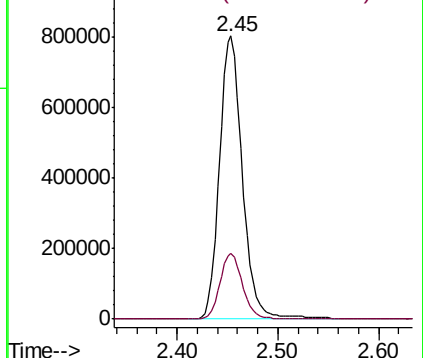
43 100

74 23.0 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 188.156 ug/L

RT: 2.53 min Scan# 449

Delta R.T. -0.00 min

Lab File: VV012729.D

Acq: 13 Sep 2019 10:48

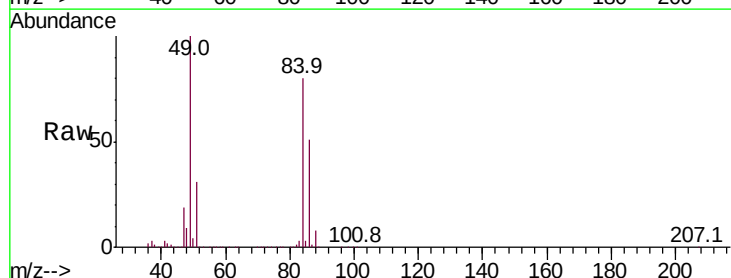
Tgt Ion: 84 Resp: 1070216

Ion Ratio Lower Upper

84 100

86 64.7 44.0 81.8

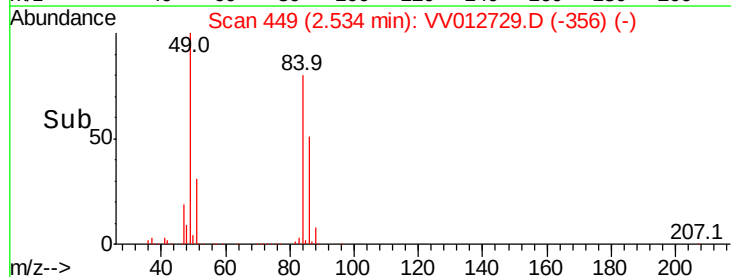
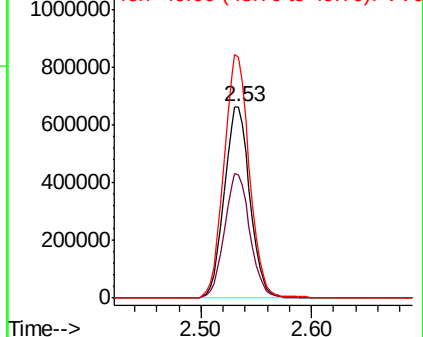
49 125.7 86.2 160.0

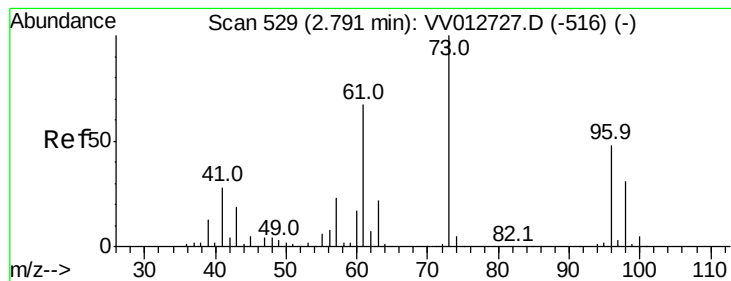


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 194.571 ug/L

RT: 2.79 min Scan# 528

Delta R.T. -0.00 min

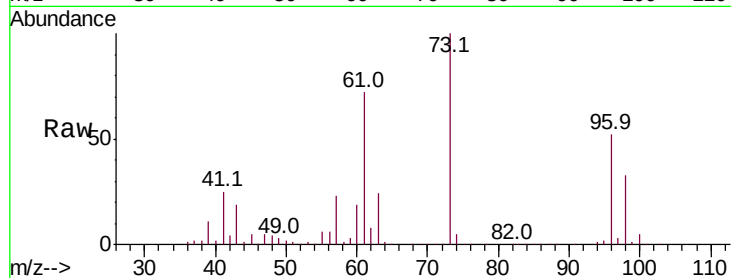
Lab File: VV012729.D

Acq: 13 Sep 2019 10:48

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 96 Resp: 921970

Ion	Ratio	Lower	Upper
96	100		
61	138.7	98.3	182.5
98	63.8	45.0	83.6

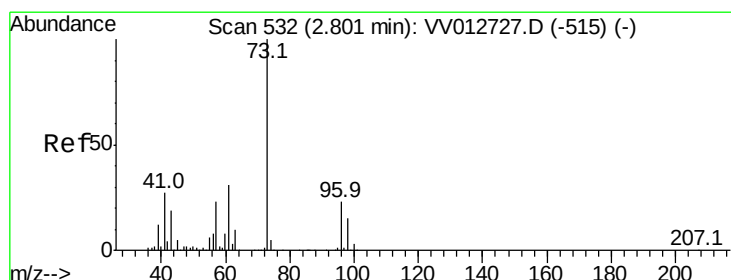
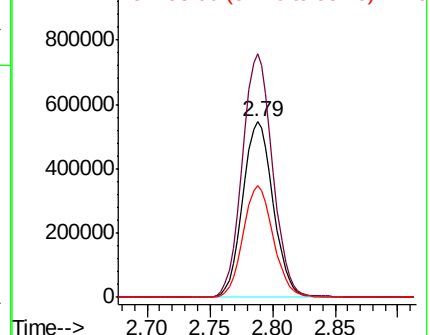
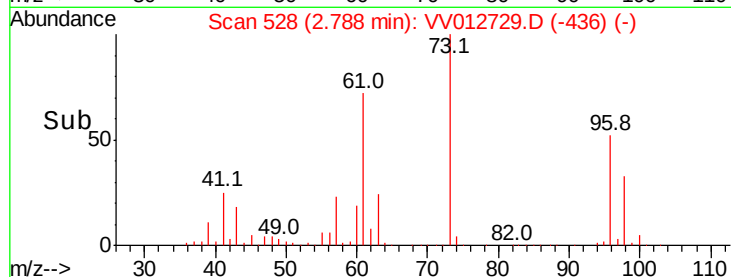


Abundance

Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 203.770 ug/L

RT: 2.80 min Scan# 532

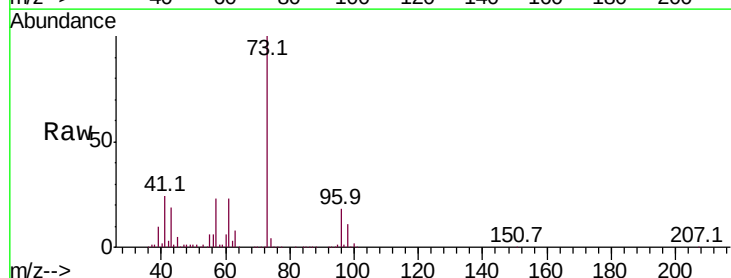
Delta R.T. 0.00 min

Lab File: VV012729.D

Acq: 13 Sep 2019 10:48

Tgt Ion: 73 Resp: 3330521

Ion	Ratio	Lower	Upper
73	100		
43	18.9	15.4	23.2
57	23.0	18.4	27.6

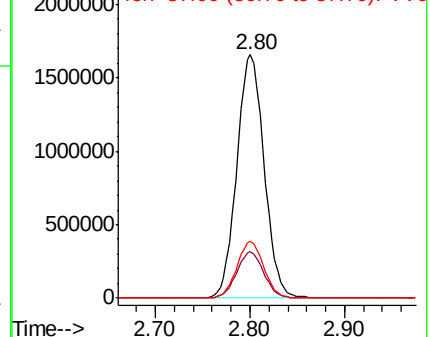
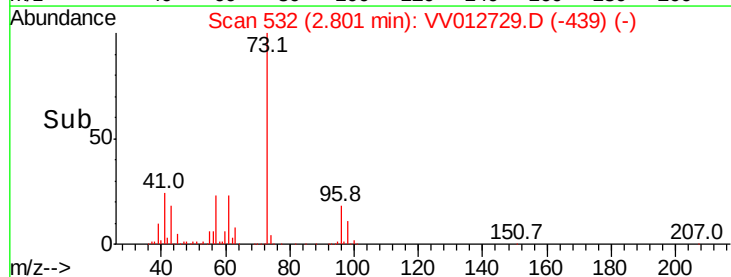


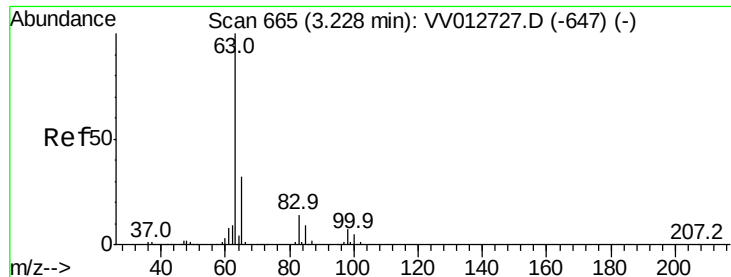
Abundance

Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 192.509 ug/L

RT: 3.23 min Scan# 664

Delta R.T. -0.00 min

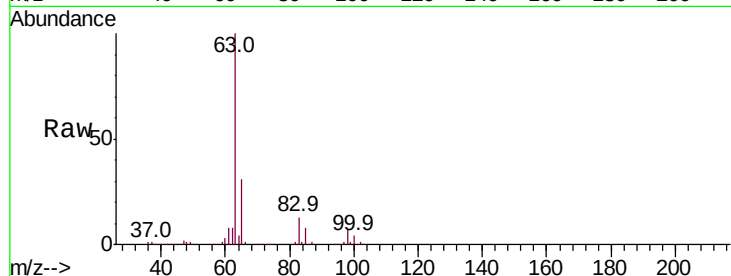
Lab File: VV012729.D

Acq: 13 Sep 2019 10:48

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 63 Resp: 1971770

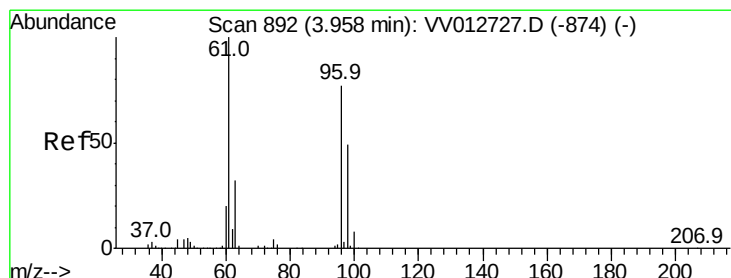
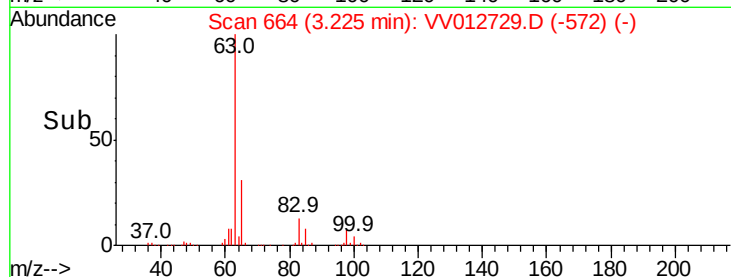
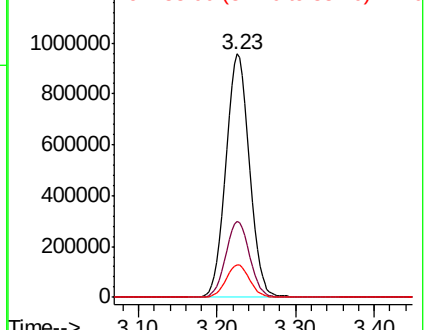
Ion	Ratio	Lower	Upper
63	100		
65	31.4	22.2	41.2
83	13.3	9.6	17.8



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 65.00 (64.70 to 65.70): VV0

Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 201.852 ug/L

RT: 3.96 min Scan# 892

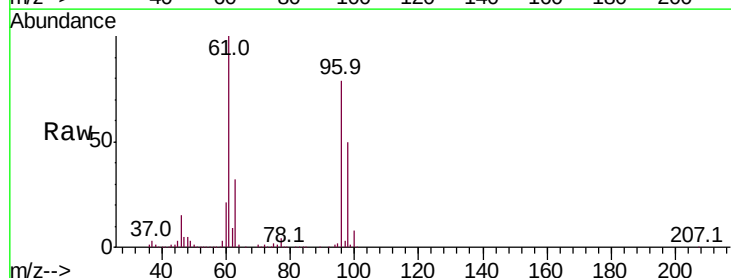
Delta R.T. -0.00 min

Lab File: VV012729.D

Acq: 13 Sep 2019 10:48

Tgt Ion: 96 Resp: 1183436

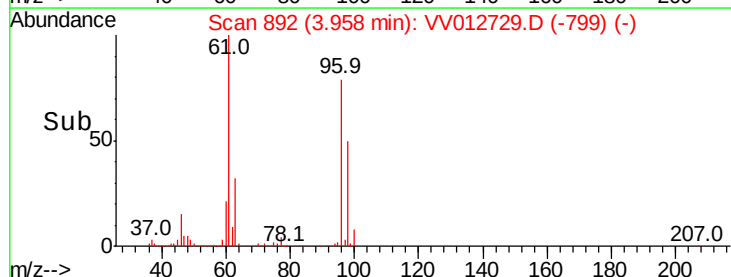
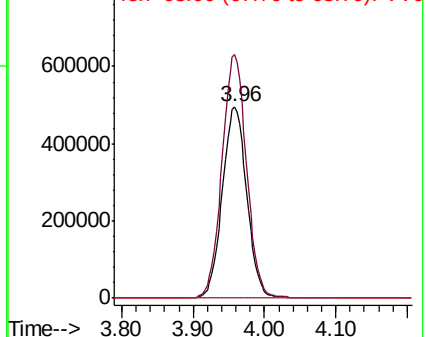
Ion	Ratio	Lower	Upper
96	100		
61	127.0	90.6	168.3
68	0.0	0.0	0.0

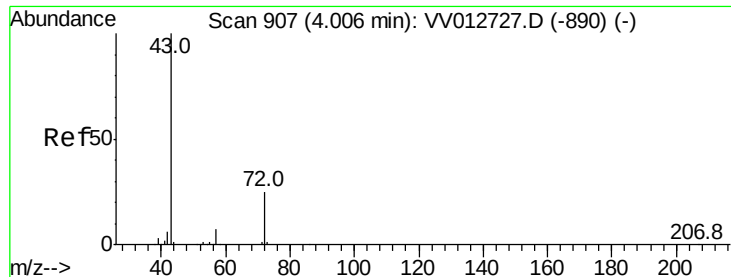


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 416.250 ug/L

RT: 4.00 min Scan# 906

Delta R.T. -0.00 min

Lab File: VV012729.D

Acq: 13 Sep 2019 10:48

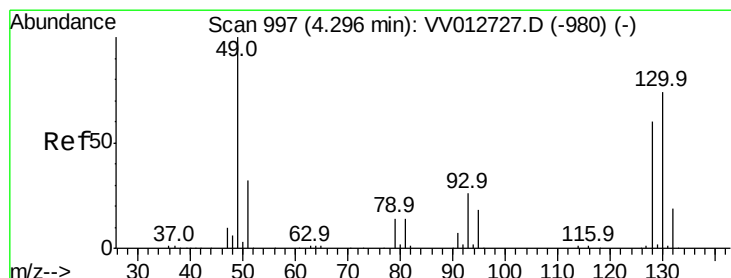
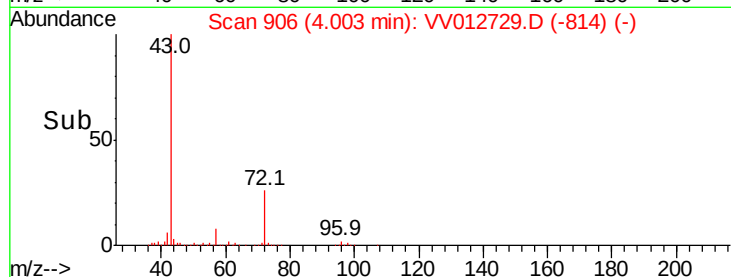
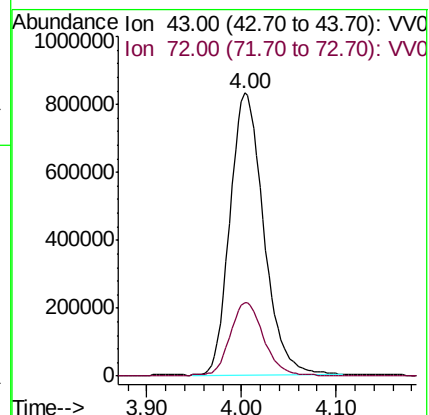
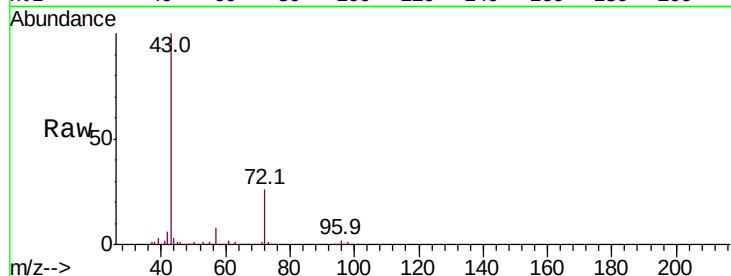
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 2063347

Ion Ratio Lower Upper

43 100

72 26.6 13.2 39.6



#23

Bromochloromethane

Concen: 194.623 ug/L

RT: 4.29 min Scan# 996

Delta R.T. -0.00 min

Lab File: VV012729.D

Acq: 13 Sep 2019 10:48

Tgt Ion: 128 Resp: 579705

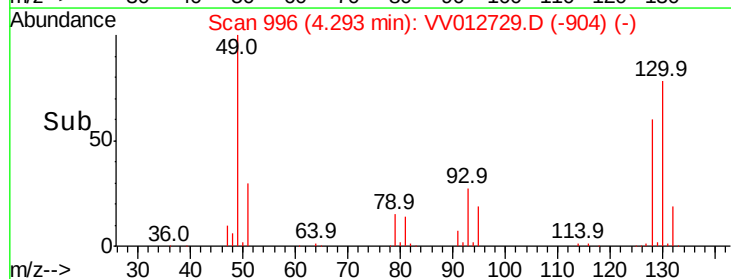
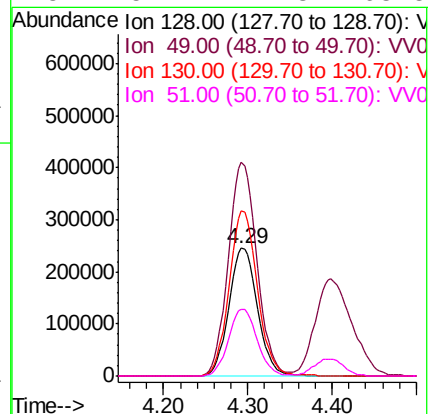
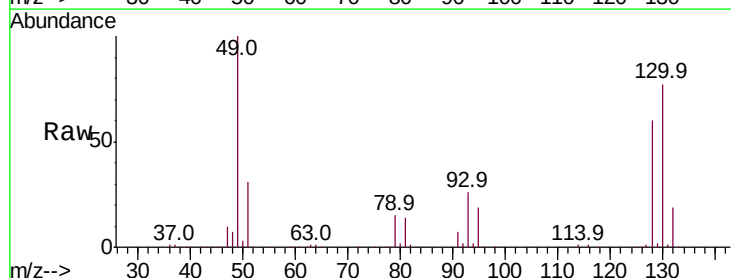
Ion Ratio Lower Upper

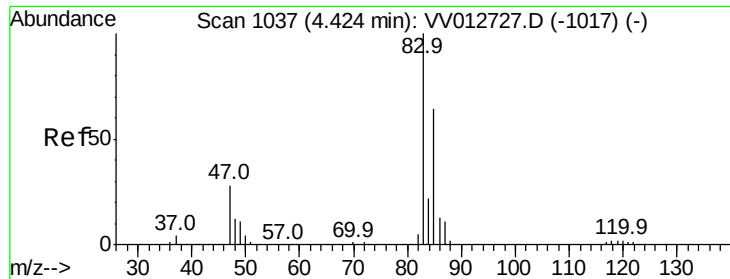
128 100

49 167.3 117.2 217.8

130 128.9 86.7 160.9

51 52.2 42.3 63.5

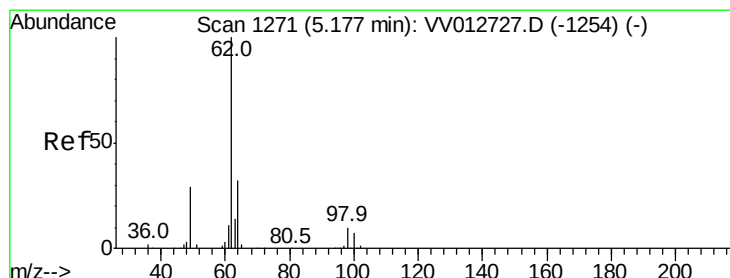
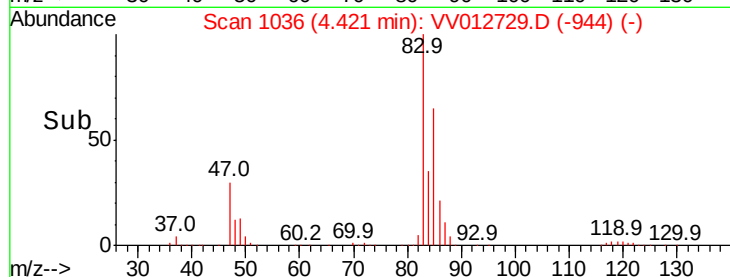
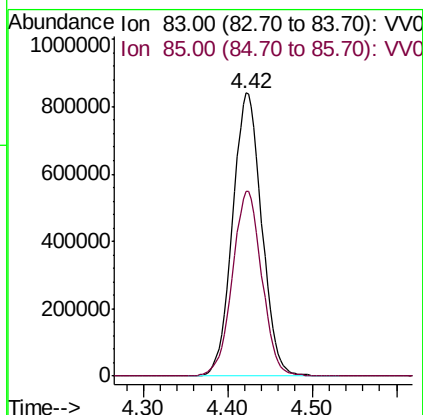
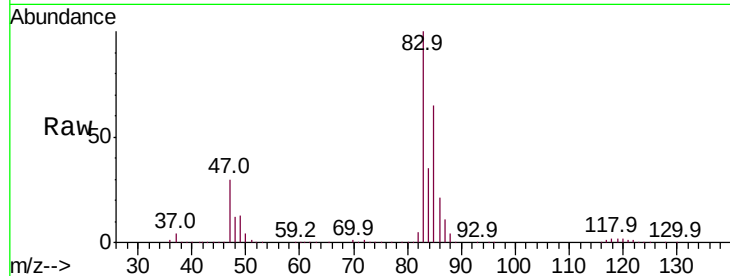




#25
Chloroform
Concen: 188.156 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV012729.D
Acq: 13 Sep 2019 10:48

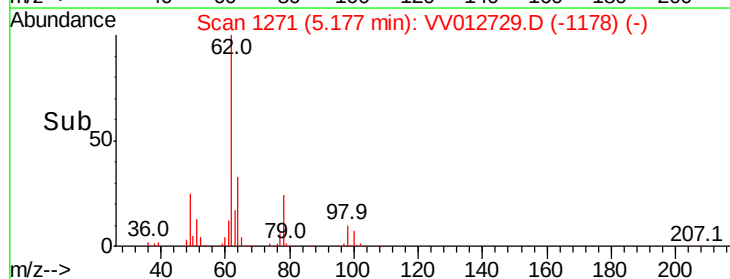
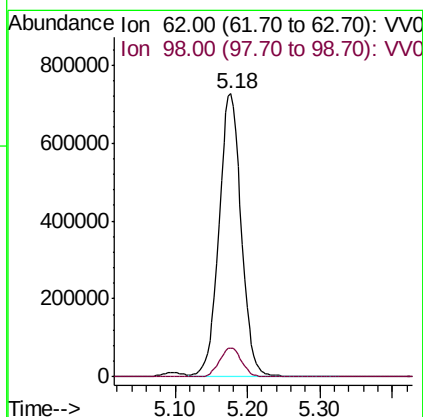
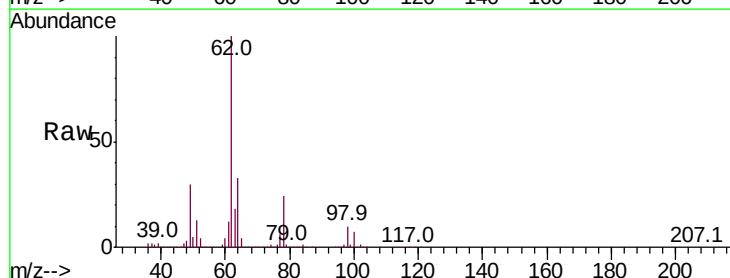
Instrument :
MSVOA_V
ClientSampleId :

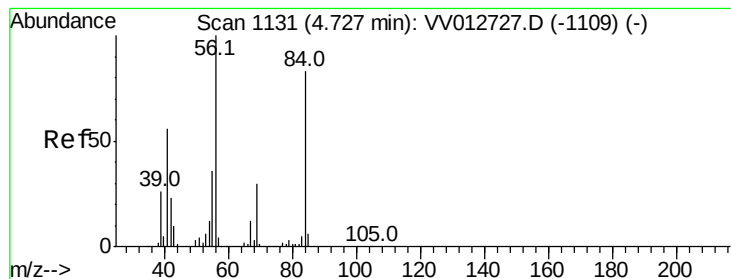
Tot Ion: 83 Resp: 2024618
Ion Ratio Lower Upper
83 100
85 65.2 45.1 83.9



#27
1,2-Dichloroethane
Concen: 191.574 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VV012729.D
Acq: 13 Sep 2019 10:48

Tgt Ion: 62 Resp: 1542839
Ion Ratio Lower Upper
62 100
98 10.3 7.7 11.5





#29

Cyclohexane

Concen: 211.953 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. -0.00 min

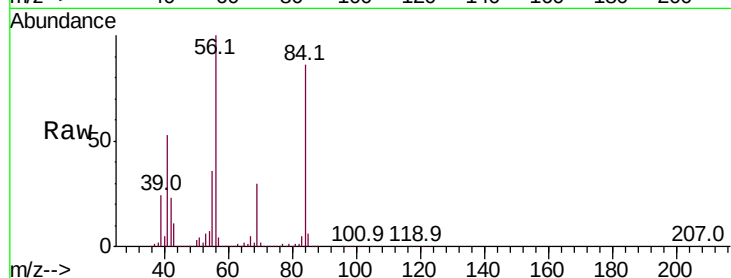
Lab File: VV012729.D

Acq: 13 Sep 2019 10:48

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 56 Resp: 1604233

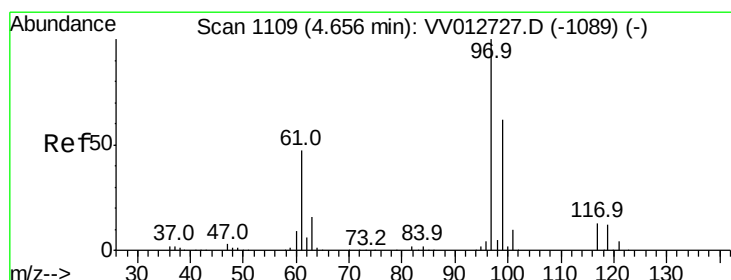
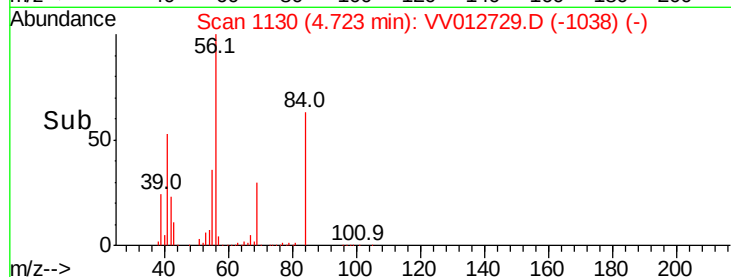
Ion	Ratio	Lower	Upper
56	100		
69	29.7	24.2	36.2
84	86.4	69.8	104.6



Abundance Ion 56.00 (55.70 to 56.70): VV0

Ion 69.00 (68.70 to 69.70): VV0

Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 194.635 ug/L

RT: 4.66 min Scan# 1109

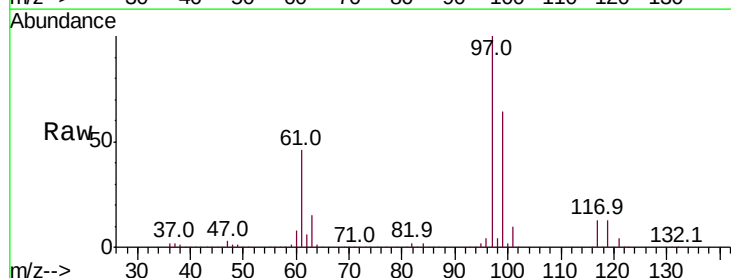
Delta R.T. 0.00 min

Lab File: VV012729.D

Acq: 13 Sep 2019 10:48

Tgt Ion: 97 Resp: 1622632

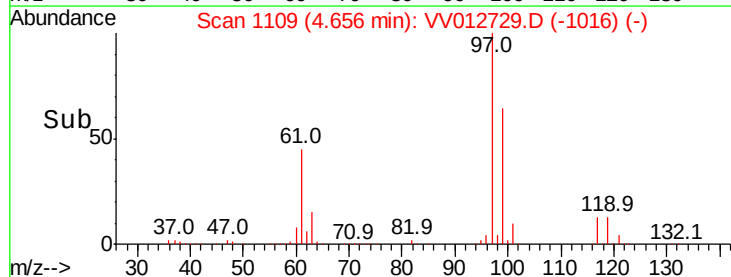
Ion	Ratio	Lower	Upper
97	100		
99	64.6	50.6	75.8
61	46.1	37.8	56.8

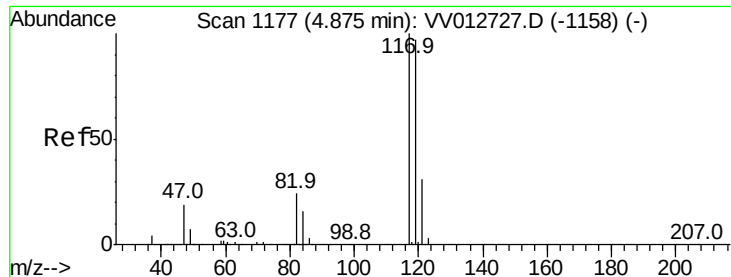


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

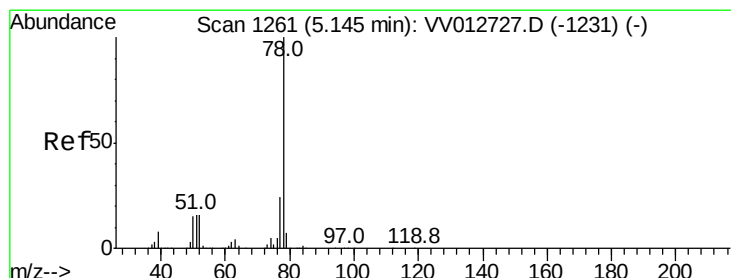
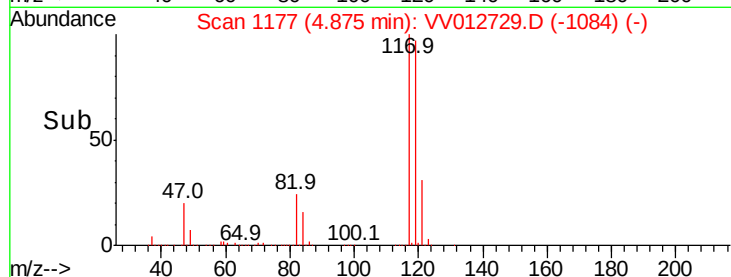
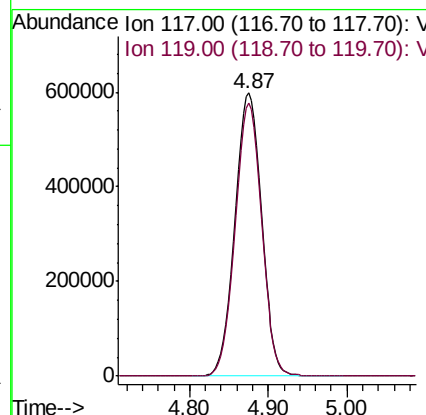
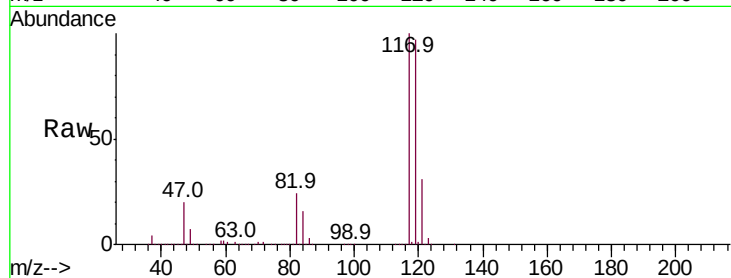




#31
Carbon tetrachloride
Concen: 196.559 ug/L
RT: 4.87 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VV012729.D
Acq: 13 Sep 2019 10:48

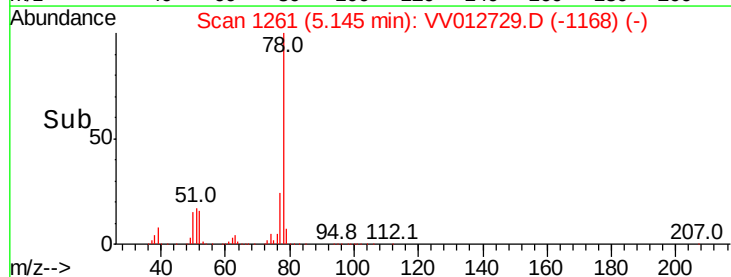
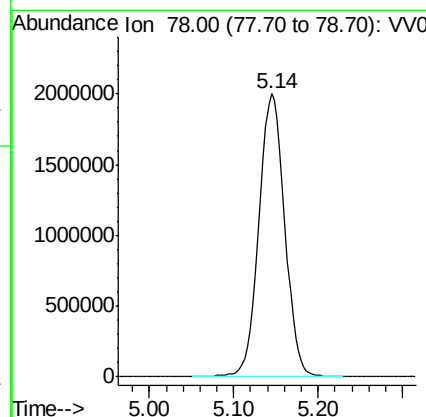
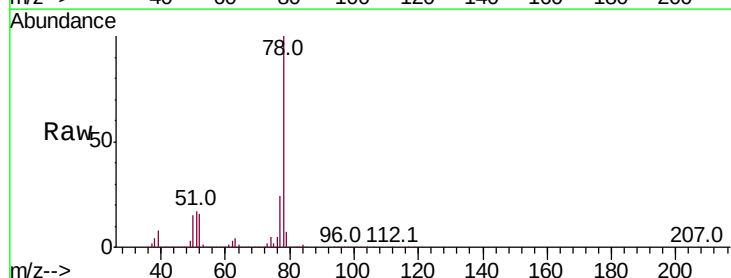
Instrument :
MSVOA_V
ClientSampleId :

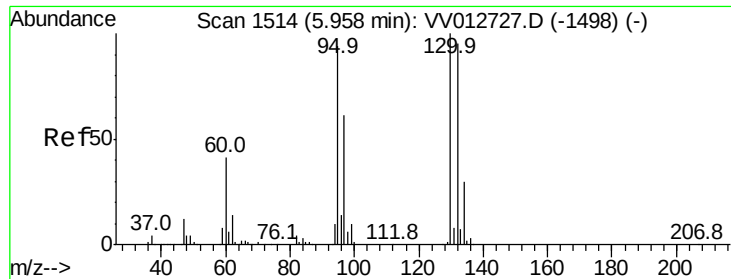
Tot Ion:117 Resp: 1410944
Ion Ratio Lower Upper
117 100
119 95.6 77.1 115.7



#33
Benzene
Concen: 196.202 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. -0.00 min
Lab File: VV012729.D
Acq: 13 Sep 2019 10:48

Tgt Ion: 78 Resp: 4254939



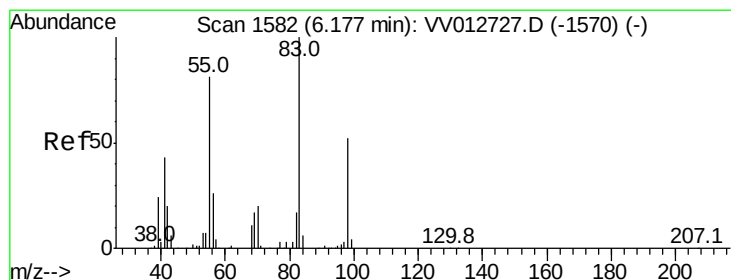
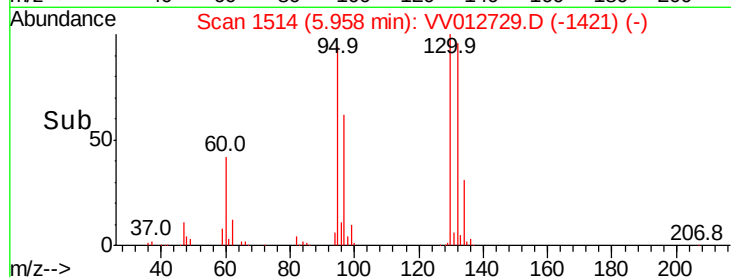
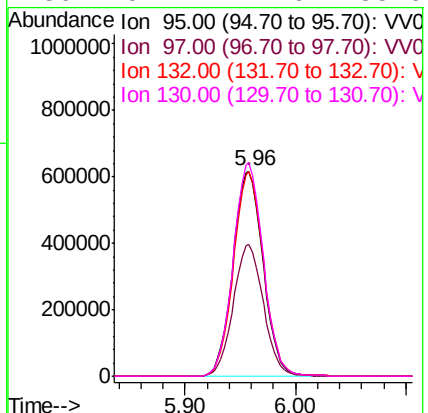
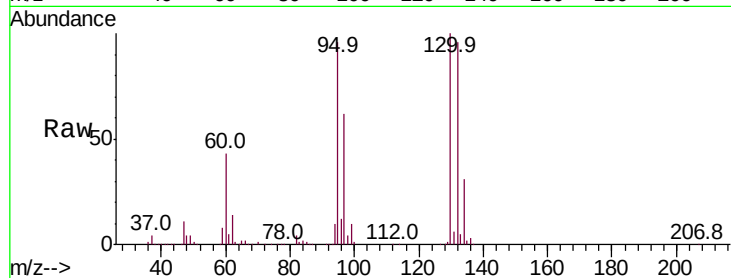


#34
 Trichloroethene
 Concen: 186.069 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. -0.00 min
 Lab File: VV012729.D
 Acq: 13 Sep 2019 10:48

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 1172993

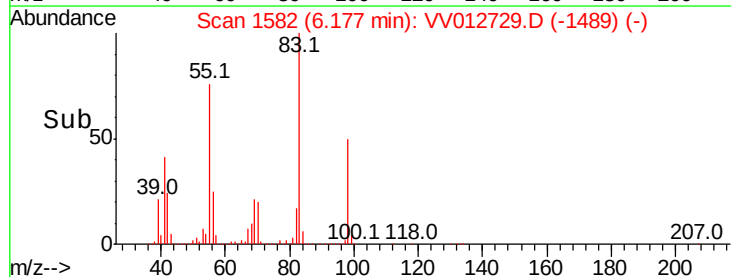
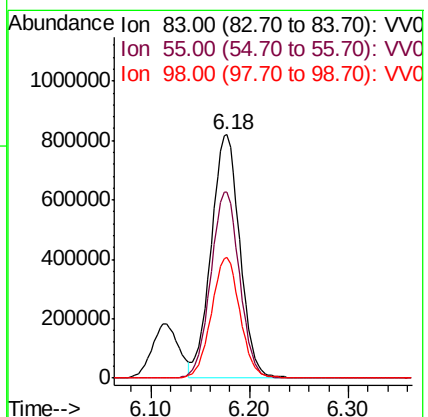
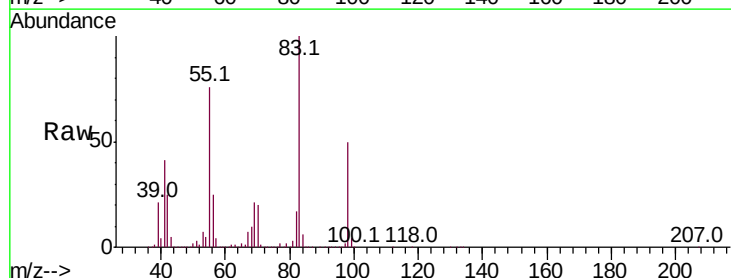
Ion	Ratio	Lower	Upper
95	100		
97	64.4	45.1	83.9
132	100.1	70.6	131.0
130	104.1	74.6	138.6

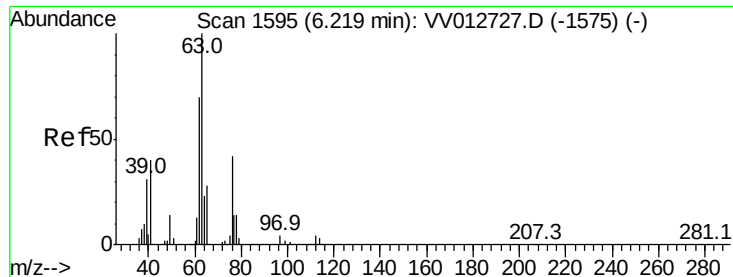


#35
 Methylcyclohexane
 Concen: 209.712 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: VV012729.D
 Acq: 13 Sep 2019 10:48

Tgt Ion: 83 Resp: 1667730

Ion	Ratio	Lower	Upper
83	100		
55	76.5	62.2	93.2
98	49.3	39.4	59.0

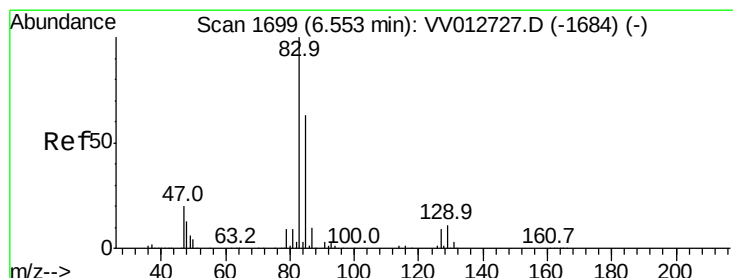
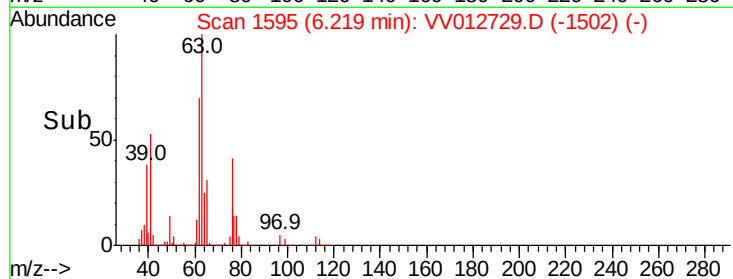
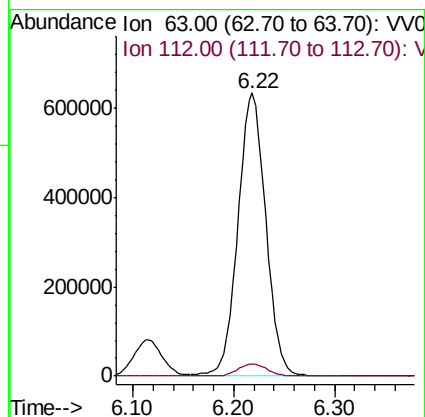
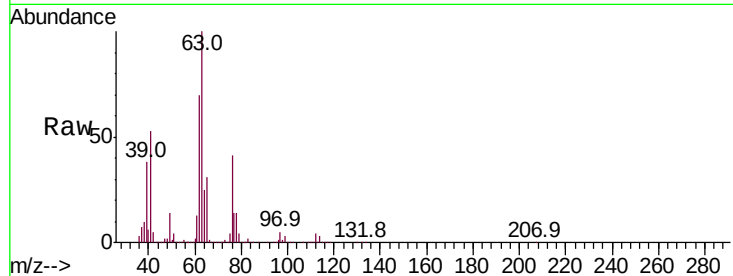




#37
 1,2-Dichloropropane
 Concen: 193.501 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV012729.D
 Acq: 13 Sep 2019 10:48

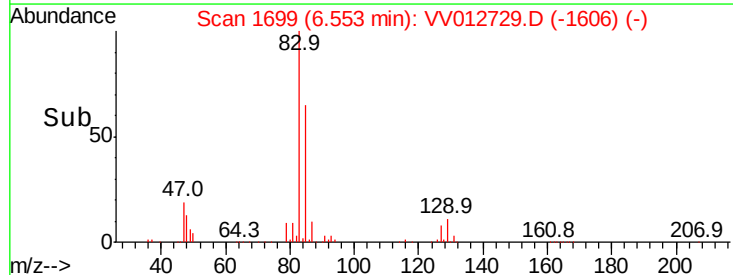
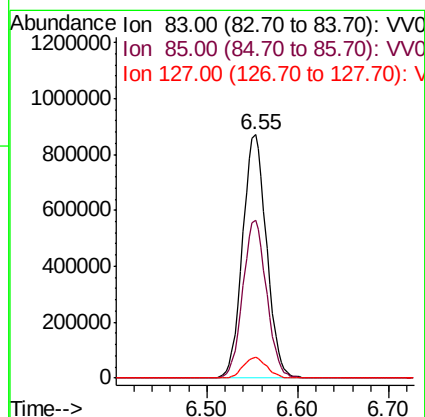
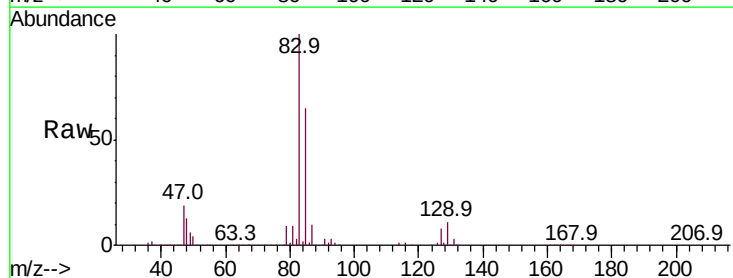
Instrument :
 MSVOA_V
 ClientSampleId :

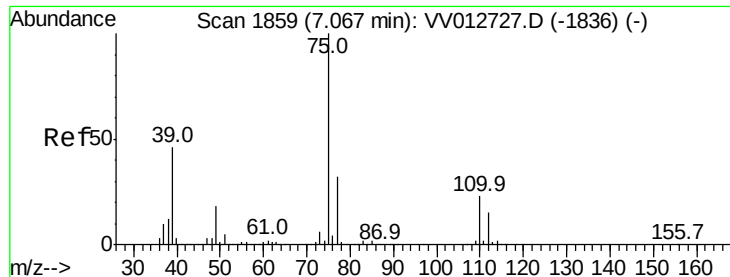
Tot Ion: 63 Resp: 1206795
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.5 5.3



#38
 Bromodichloromethane
 Concen: 198.477 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VV012729.D
 Acq: 13 Sep 2019 10:48

Tgt Ion: 83 Resp: 1593366
 Ion Ratio Lower Upper
 83 100
 85 64.6 44.4 82.5
 127 8.5 7.0 10.4



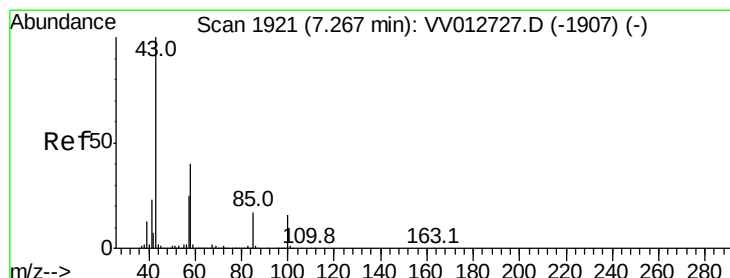
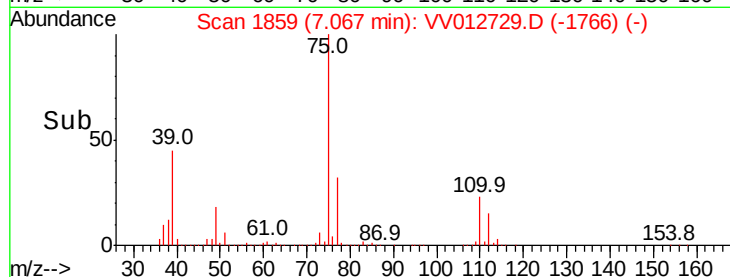
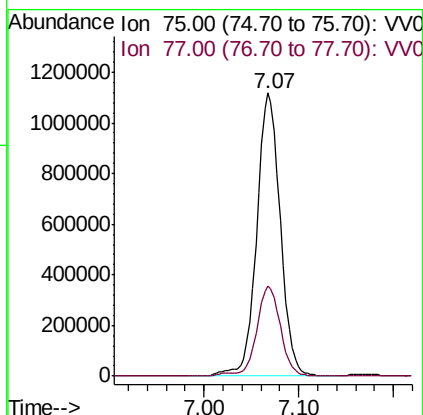
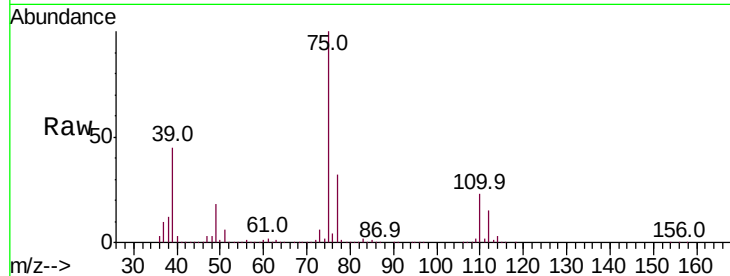


#39

cis-1,3-Dichloropropene
Concen: 220.942 ug/L
RT: 7.07 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VV012729.D
Acq: 13 Sep 2019 10:48

Instrument :
MSVOA_V
ClientSampleId :

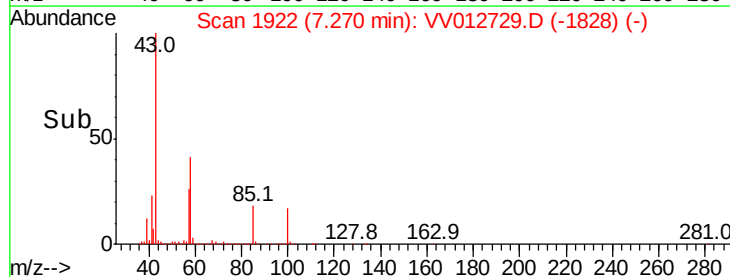
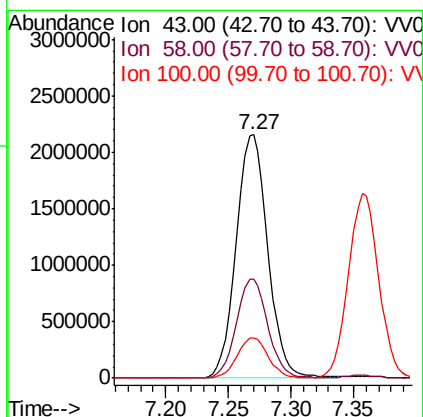
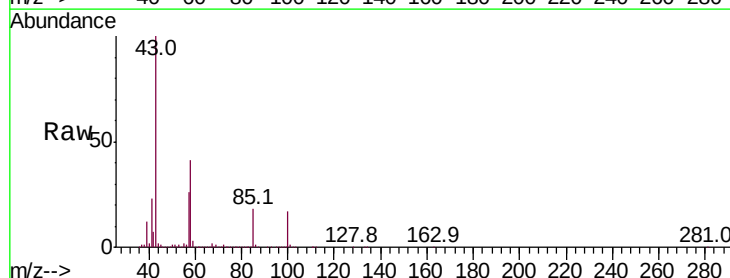
Tot Ion: 75 Resp: 1929196
Ion Ratio Lower Upper
75 100
77 31.8 22.1 41.1

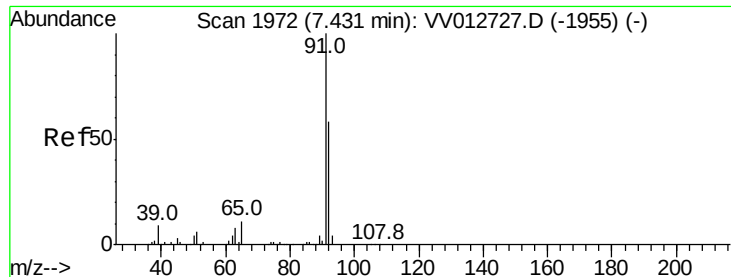


#40

4-Methyl-2-pentanone
Concen: 438.677 ug/L
RT: 7.27 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VV012729.D
Acq: 13 Sep 2019 10:48

Tgt Ion: 43 Resp: 3786332
Ion Ratio Lower Upper
43 100
58 40.4 31.3 46.9
100 16.2 12.4 18.6





#42

Toluene

Concen: 203.318 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV012729.D

Acq: 13 Sep 2019 10:48

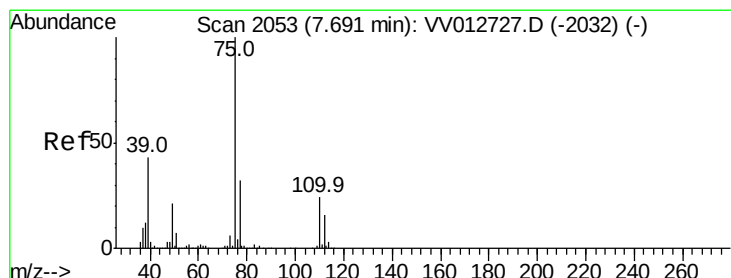
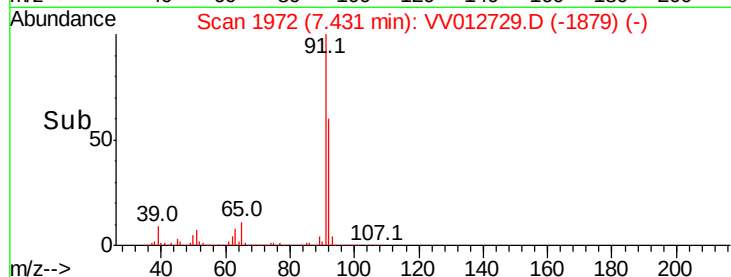
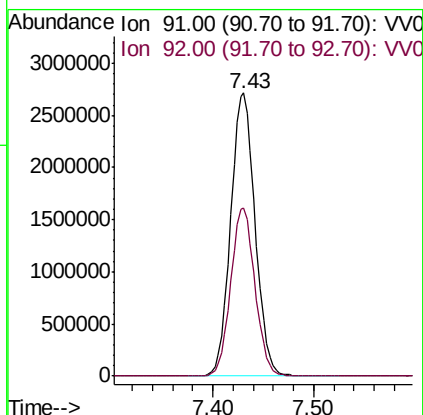
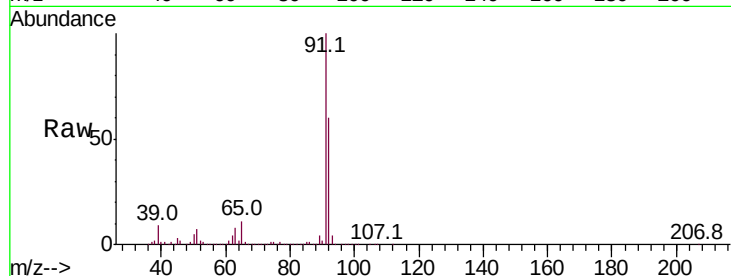
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 4578922

Ion Ratio Lower Upper

91 100

92 59.6 40.9 76.0



#44

trans-1,3-Dichloropropene

Concen: 222.117 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV012729.D

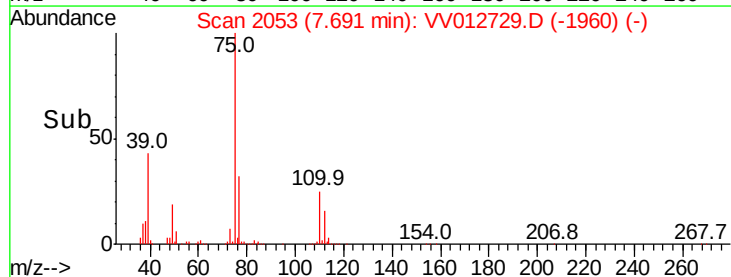
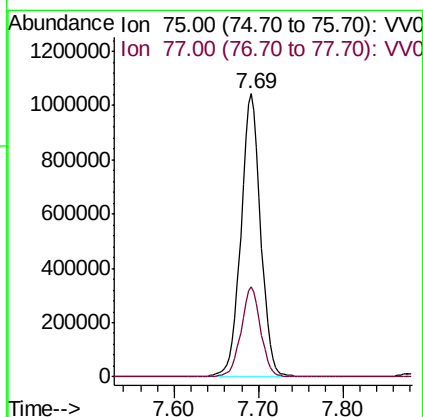
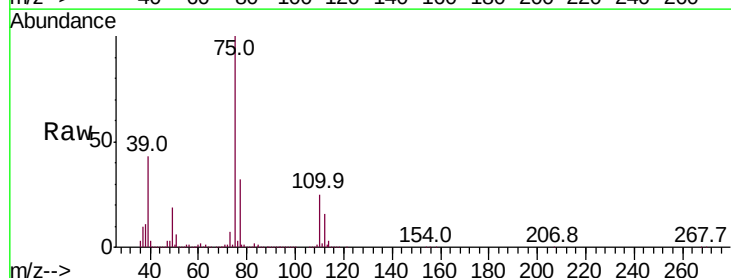
Acq: 13 Sep 2019 10:48

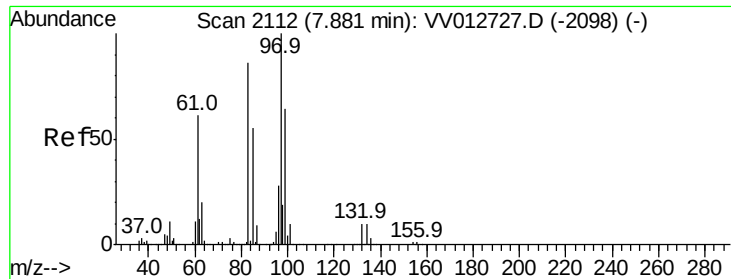
Tgt Ion: 75 Resp: 1709908

Ion Ratio Lower Upper

75 100

77 31.8 22.1 41.1





#45

1,1,2-Trichloroethane

Concen: 194.941 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

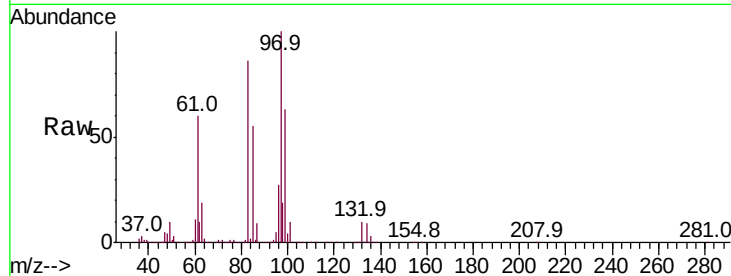
Lab File: VV012729.D

Acq: 13 Sep 2019 10:48

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 97 Resp: 1186201

Ion	Ratio	Lower	Upper
97	100		
99	62.7	44.6	82.8
83	85.6	59.9	111.3
85	55.1	38.7	71.9



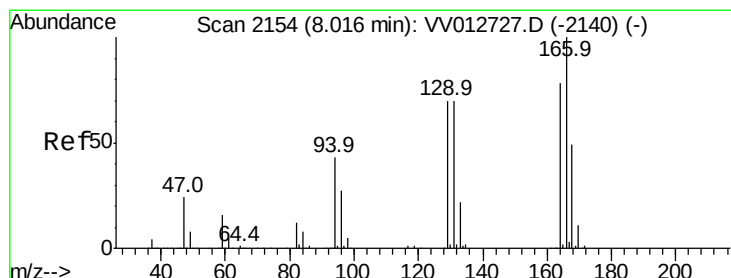
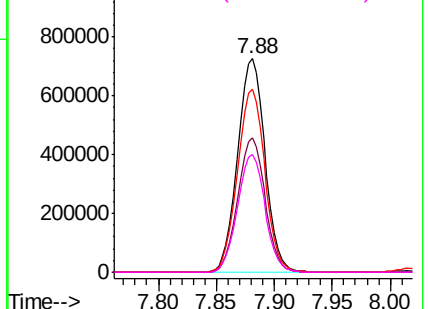
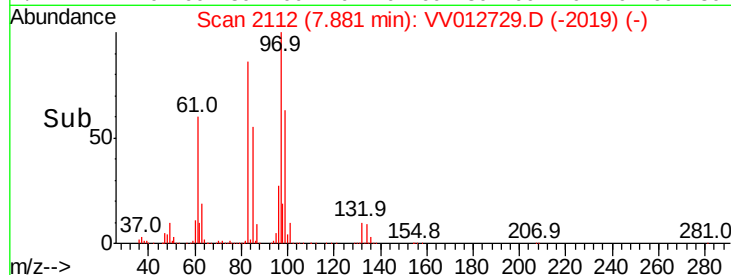
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46

Tetrachloroethene

Concen: 196.501 ug/L

RT: 8.02 min Scan# 2154

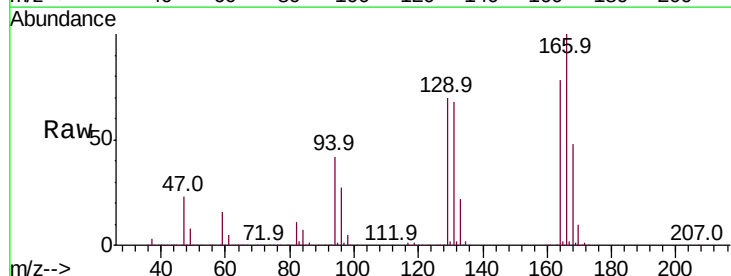
Delta R.T. -0.00 min

Lab File: VV012729.D

Acq: 13 Sep 2019 10:48

Tgt Ion: 164 Resp: 859250

Ion	Ratio	Lower	Upper
164	100		
129	90.0	62.7	116.5
131	87.0	62.7	116.5
166	127.9	89.9	167.0



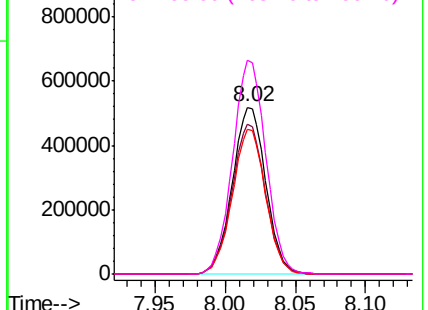
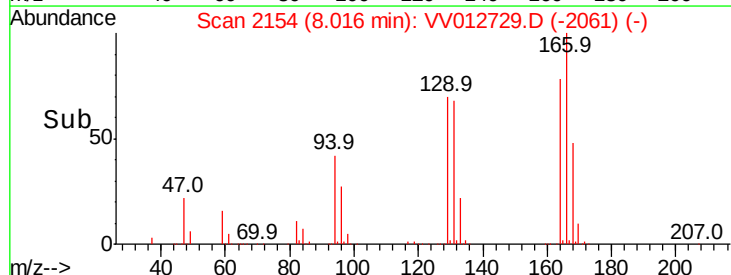
Abundance

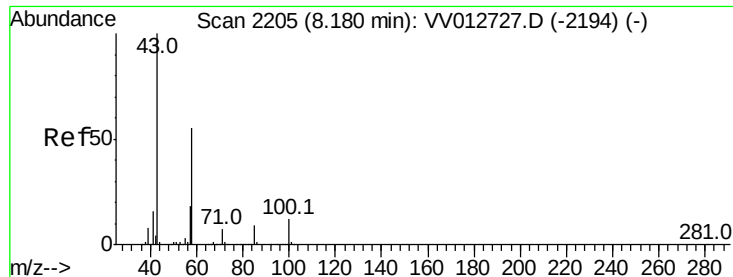
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

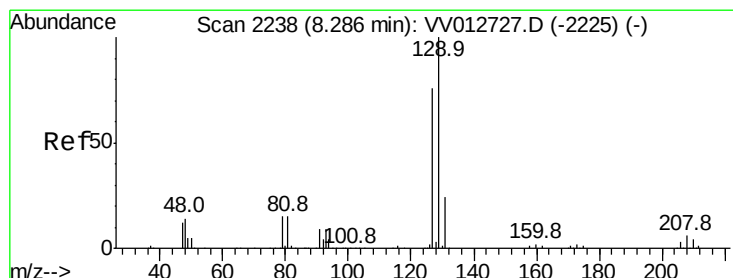
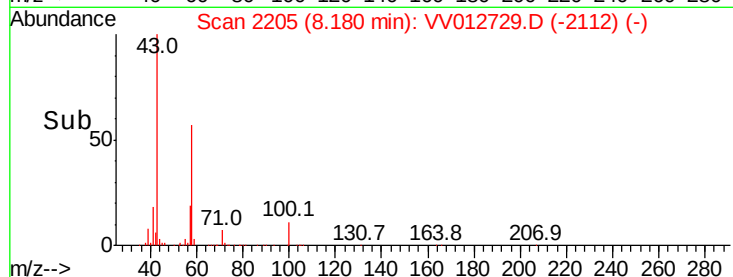
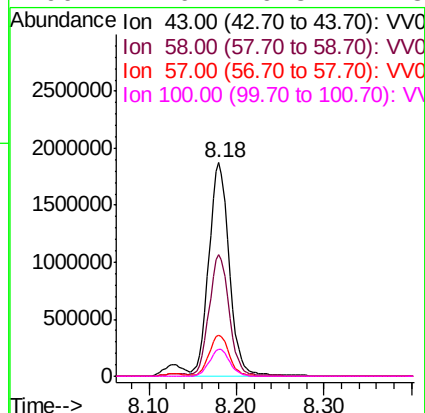
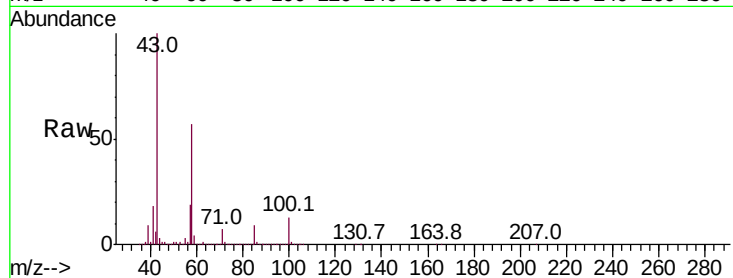




#48
2-Hexanone
Concen: 425.708 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. 0.00 min
Lab File: VV012729.D
Acq: 13 Sep 2019 10:48

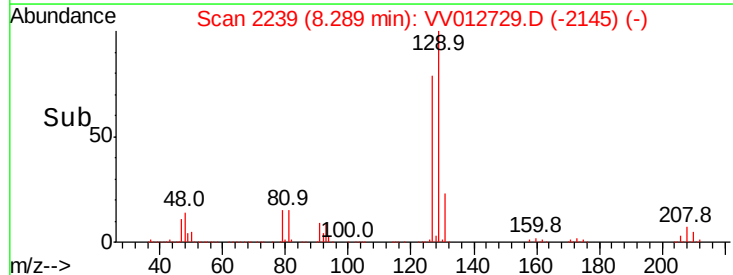
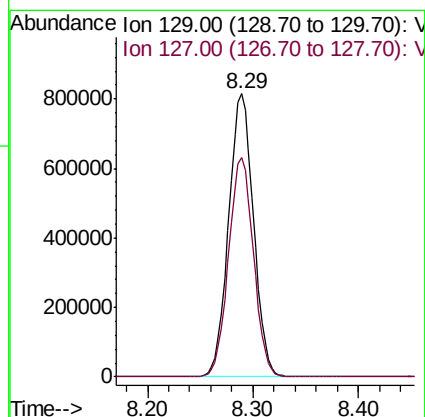
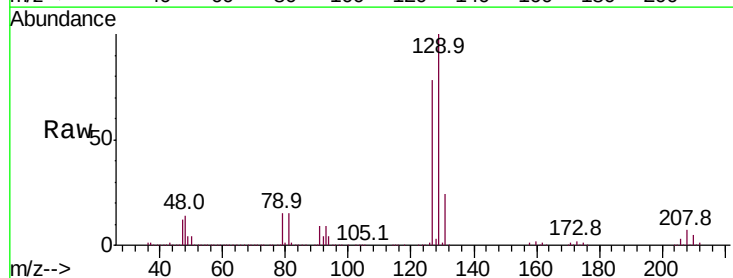
Instrument :
MSVOA_V
ClientSampled :

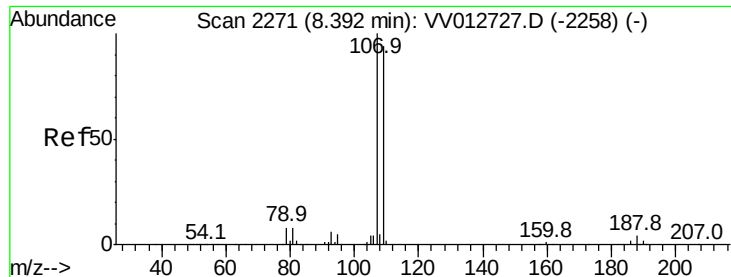
Tot Ion: 43 Resp: 3021138
Ion Ratio Lower Upper
43 100
58 56.3 43.8 65.8
57 19.0 14.3 21.5
100 12.6 9.8 14.8



#49
Dibromochloromethane
Concen: 208.354 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV012729.D
Acq: 13 Sep 2019 10:48

Tgt Ion: 129 Resp: 1328389
Ion Ratio Lower Upper
129 100
127 77.7 53.0 98.4





#50

1,2-Dibromoethane

Concen: 205.131 ug/L

RT: 8.39 min Scan# 2271

Delta R.T. 0.00 min

Lab File: VV012729.D

Acq: 13 Sep 2019 10:48

Instrument :
MSVOA_V
ClientSampleId :

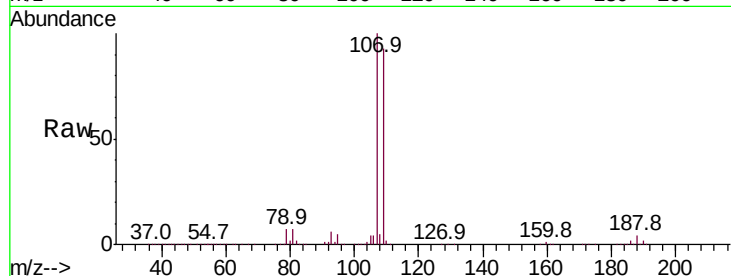
Tot Ion:107 Resp: 1202477

Ion Ratio Lower Upper

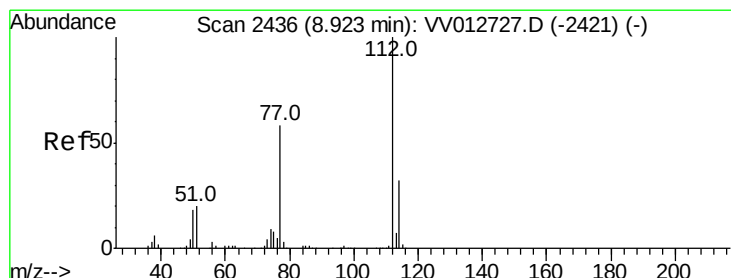
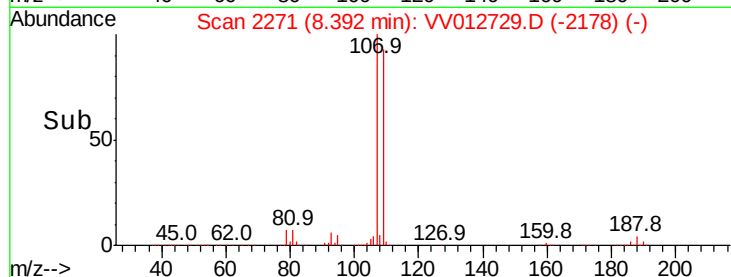
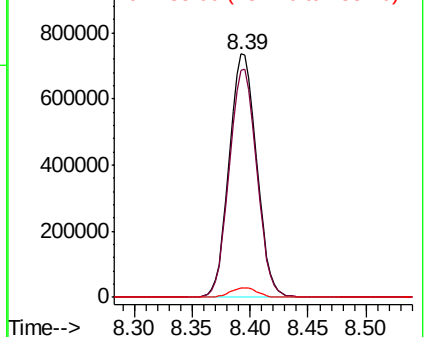
107 100

109 93.3 65.7 121.9

188 4.0 3.3 4.9



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V



#51

Chlorobenzene

Concen: 198.213 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. -0.00 min

Lab File: VV012729.D

Acq: 13 Sep 2019 10:48

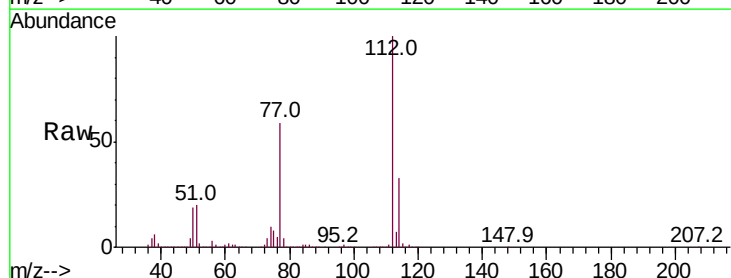
Tgt Ion:112 Resp: 3058442

Ion Ratio Lower Upper

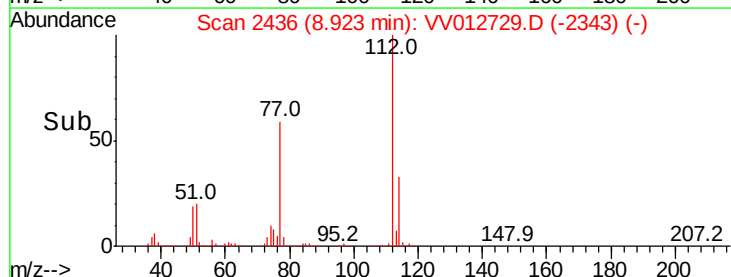
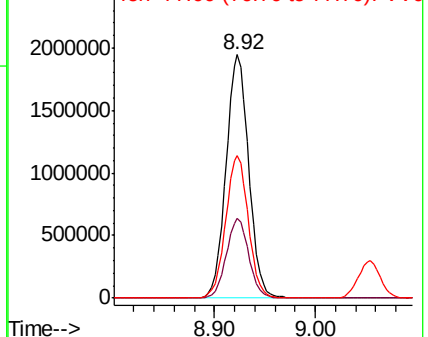
112 100

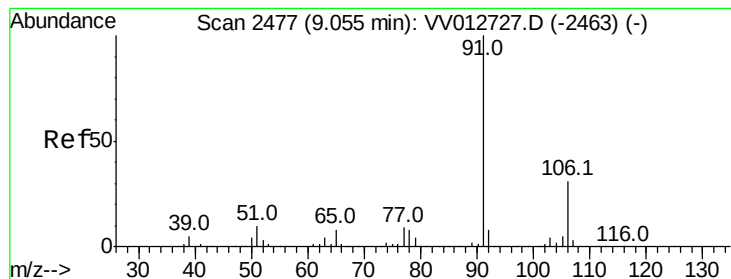
114 32.6 22.4 41.6

77 58.7 46.7 70.1



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 211.660 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV012729.D

Acq: 13 Sep 2019 10:48

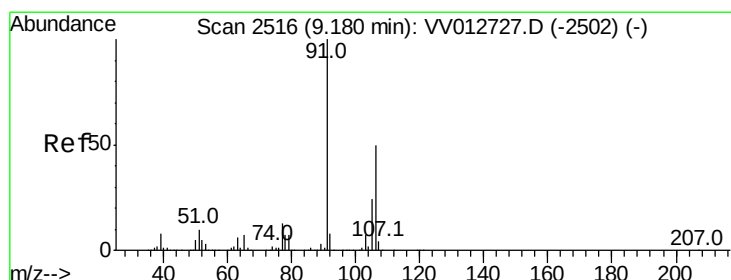
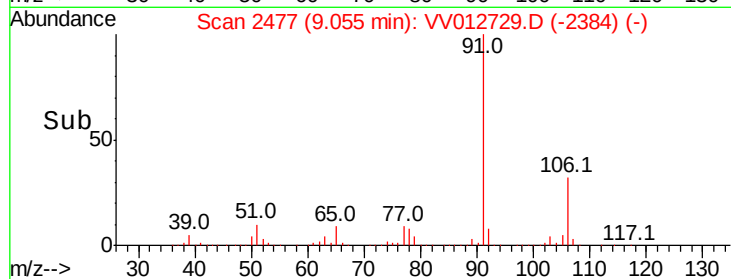
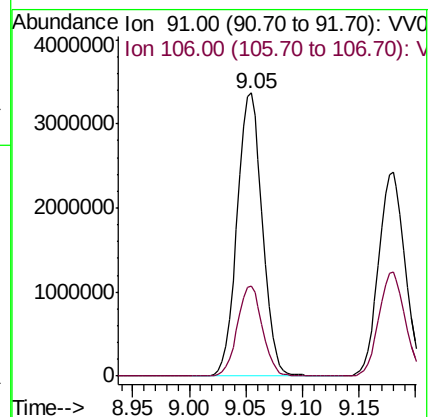
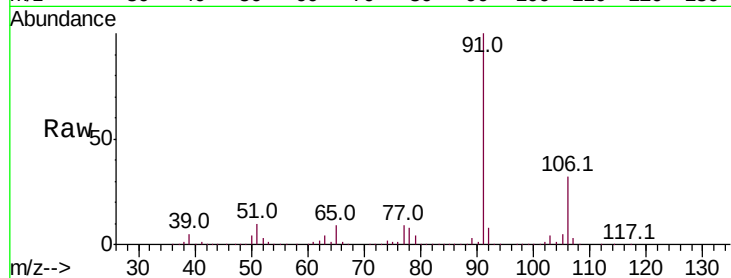
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 5240410

Ion Ratio Lower Upper

91 100

106 31.9 21.4 39.8



#53

m,p-Xylene

Concen: 219.265 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV012729.D

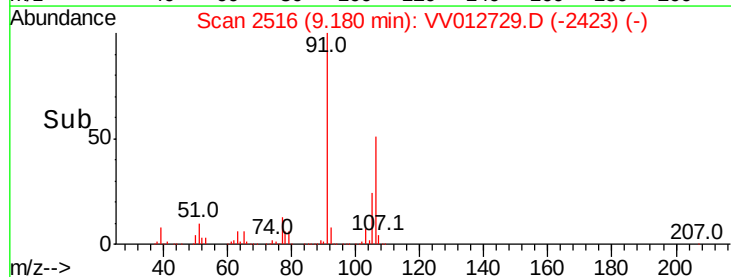
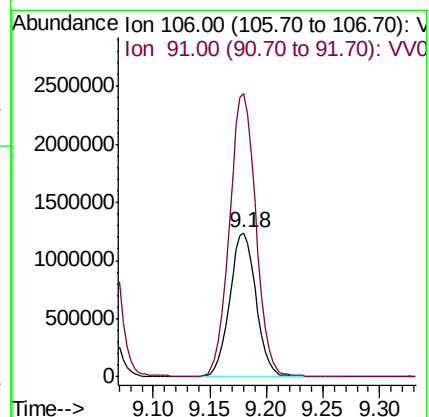
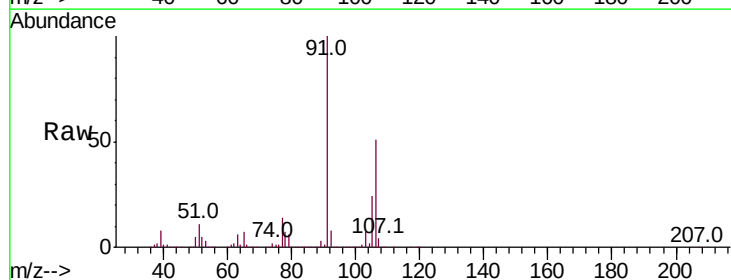
Acq: 13 Sep 2019 10:48

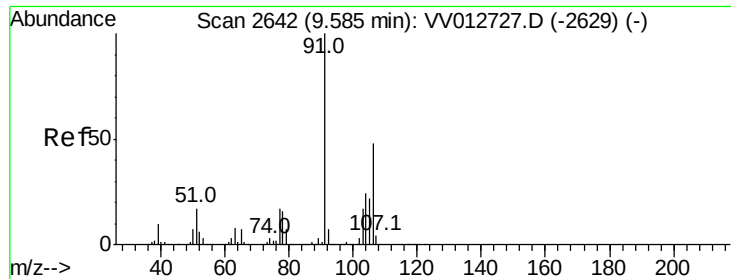
Tgt Ion:106 Resp: 1999254

Ion Ratio Lower Upper

106 100

91 196.6 139.9 259.7





#54

o-xylene

Concen: 220.001 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. -0.00 min

Lab File: VV012729.D

Acq: 13 Sep 2019 10:48

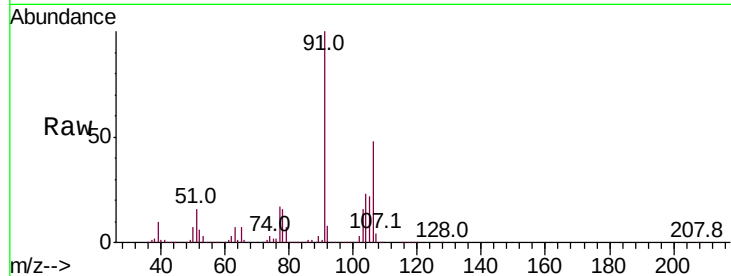
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 2036400

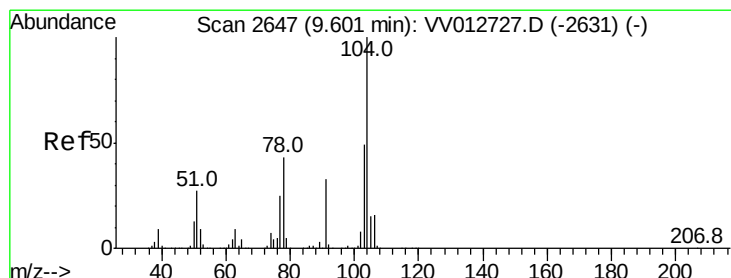
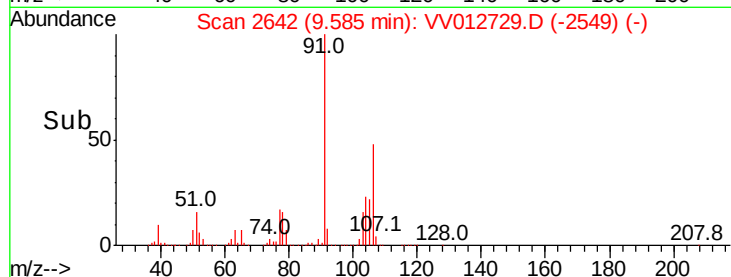
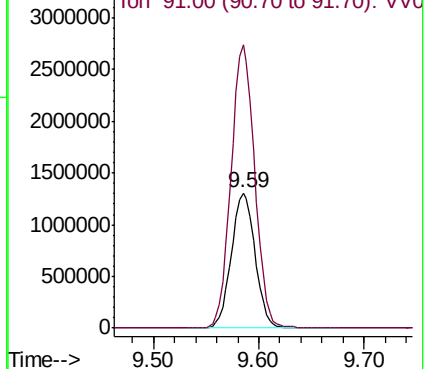
Ion Ratio Lower Upper

106 100

91 208.9 146.5 272.1



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 226.551 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV012729.D

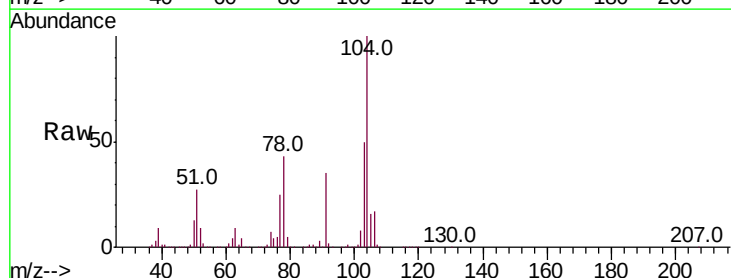
Acq: 13 Sep 2019 10:48

Tgt Ion:104 Resp: 3556837

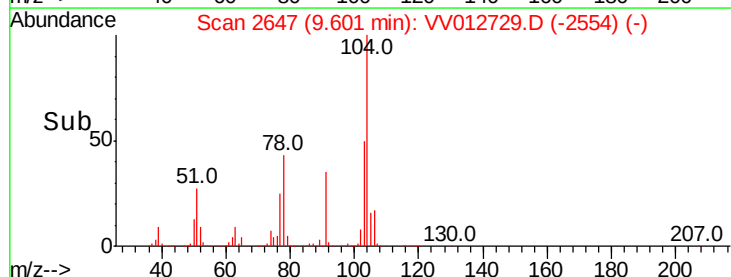
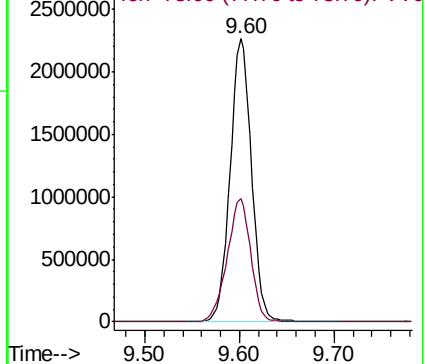
Ion Ratio Lower Upper

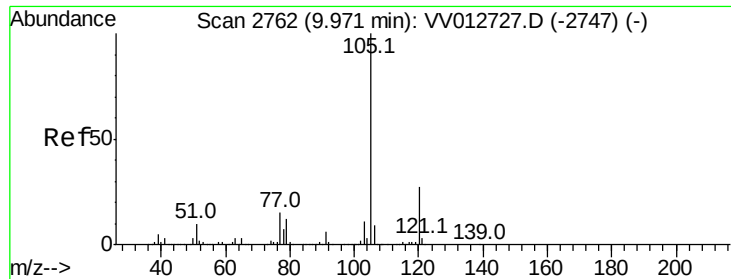
104 100

78 43.4 30.0 55.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0

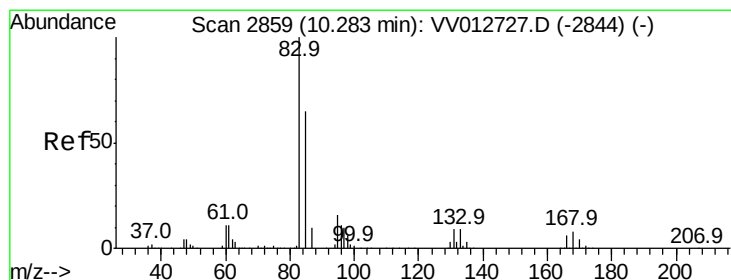
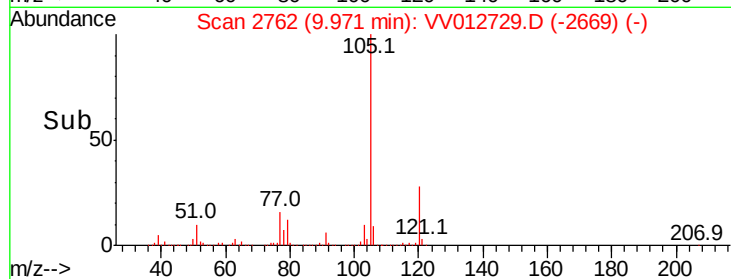
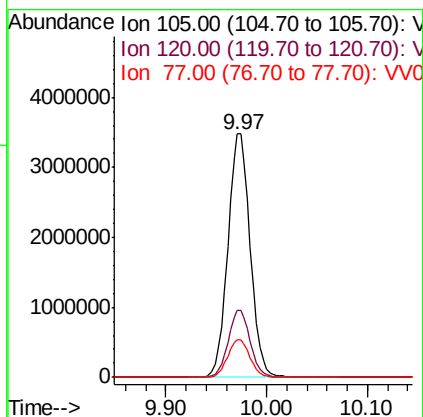
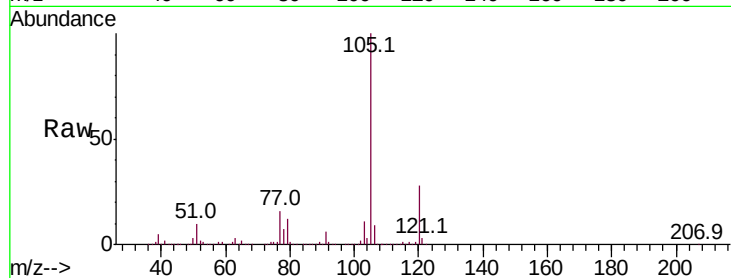




#56
Isopropylbenzene
Concen: 220.323 ug/L
RT: 9.97 min Scan# 2762
Delta R.T. -0.00 min
Lab File: VV012729.D
Acq: 13 Sep 2019 10:48

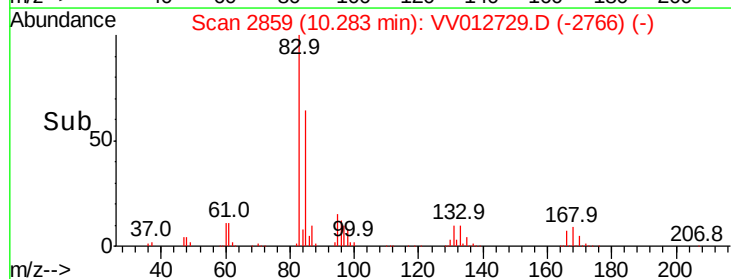
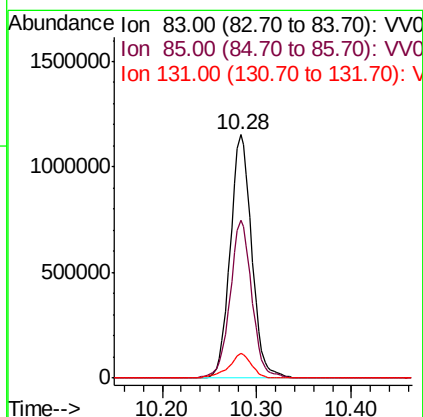
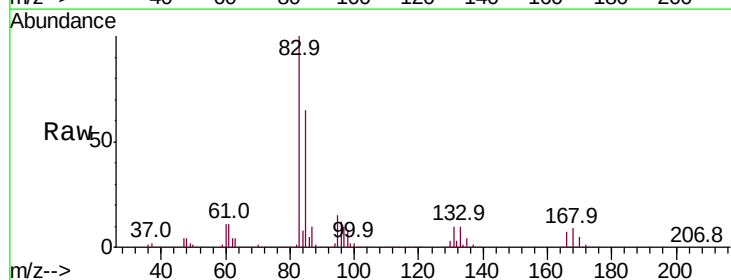
Instrument :
MSVOA_V
ClientSampleId :

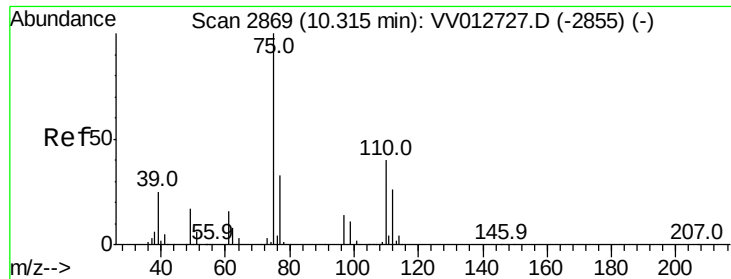
Tot Ion:105 Resp: 5358402
Ion Ratio Lower Upper
105 100
120 27.2 21.4 32.2
77 15.4 12.4 18.6



#58
1,1,2,2-Tetrachloroethane
Concen: 219.283 ug/L
RT: 10.28 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VV012729.D
Acq: 13 Sep 2019 10:48

Tgt Ion: 83 Resp: 1821953
Ion Ratio Lower Upper
83 100
85 64.6 45.4 84.4
131 9.9 7.6 11.4

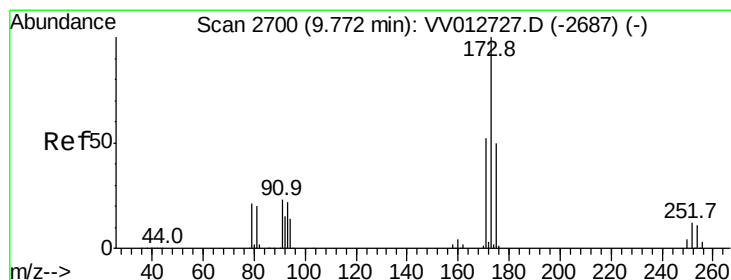
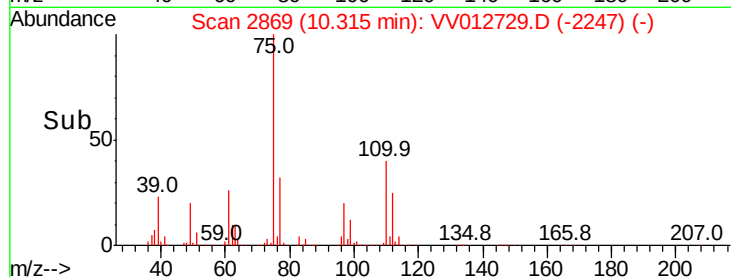
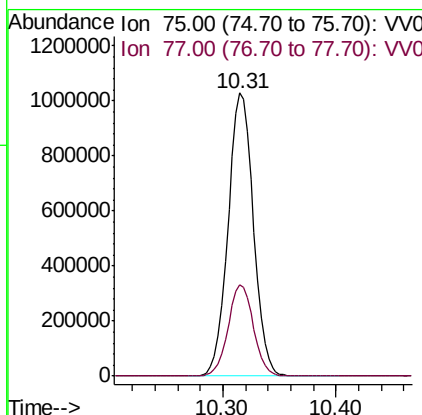
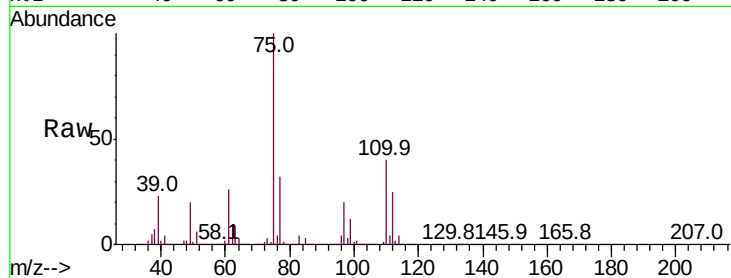




#59
1,2,3-Trichloropropane
Concen: 200.955 ug/L
RT: 10.31 min Scan# 2869
Delta R.T. 0.00 min
Lab File: VV012729.D
Acq: 13 Sep 2019 10:48

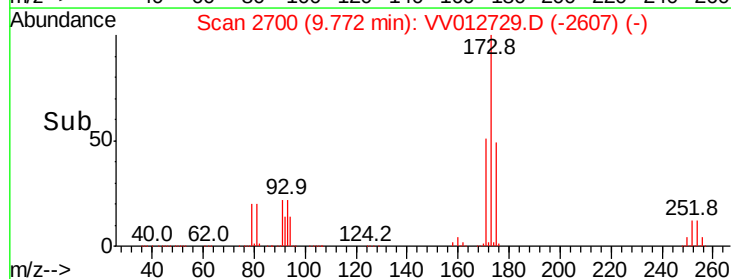
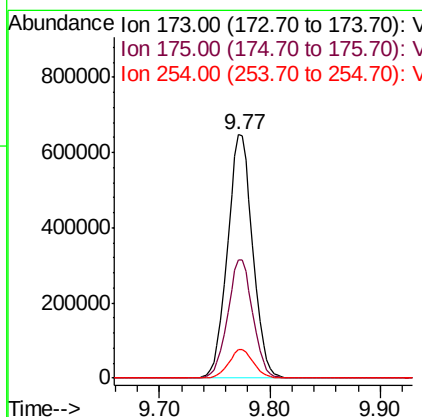
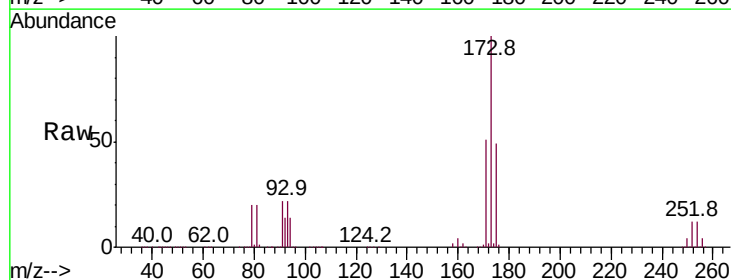
Instrument :
MSVOA_V
ClientSampled :

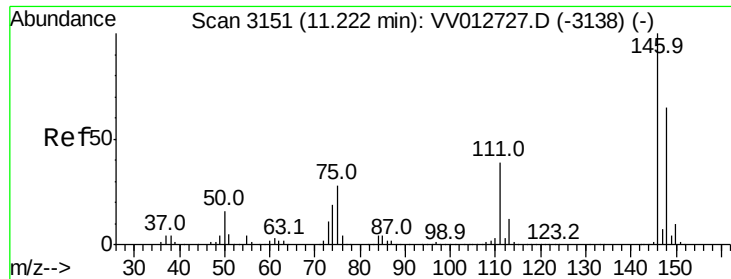
Tot Ion: 75 Resp: 1595205
Ion Ratio Lower Upper
75 100
77 32.1 25.9 38.9



#61
Bromoform
Concen: 202.727 ug/L
RT: 9.77 min Scan# 2700
Delta R.T. 0.00 min
Lab File: VV012729.D
Acq: 13 Sep 2019 10:48

Tgt Ion: 173 Resp: 1021495
Ion Ratio Lower Upper
173 100
175 48.6 39.3 58.9
254 11.6 8.9 13.3





#62

1,3-Dichlorobenzene

Concen: 198.543 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. 0.00 min

Lab File: VV012729.D

Acq: 13 Sep 2019 10:48

Instrument :

MSVOA_V

ClientSampled :

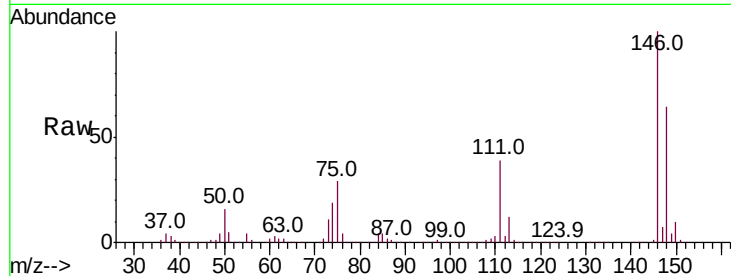
Tot Ion:146 Resp: 2558975

Ion Ratio Lower Upper

146 100

111 38.6 27.2 50.6

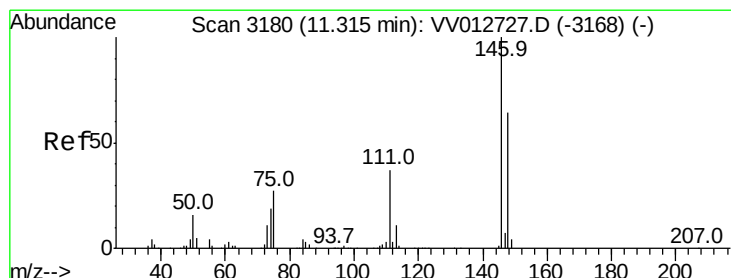
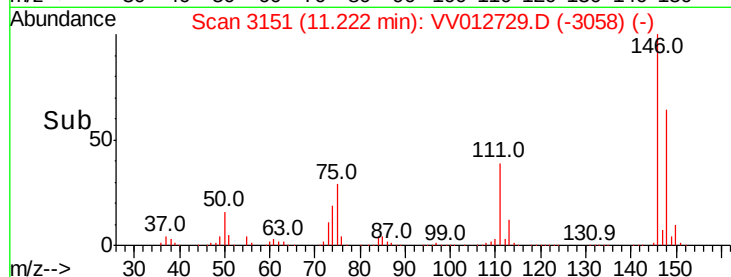
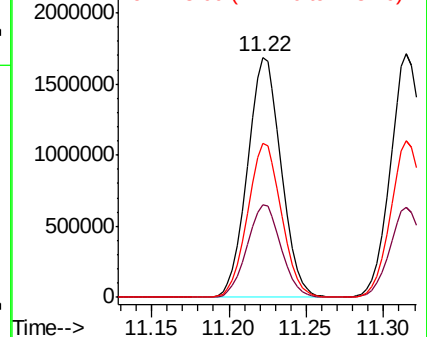
148 64.1 45.2 84.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 194.569 ug/L

RT: 11.31 min Scan# 3180

Delta R.T. -0.00 min

Lab File: VV012729.D

Acq: 13 Sep 2019 10:48

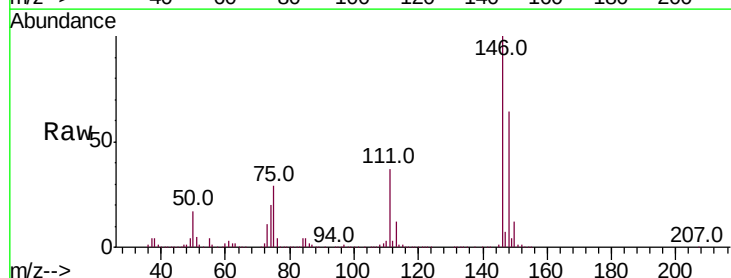
Tgt Ion:146 Resp: 2572395

Ion Ratio Lower Upper

146 100

111 37.2 26.2 48.8

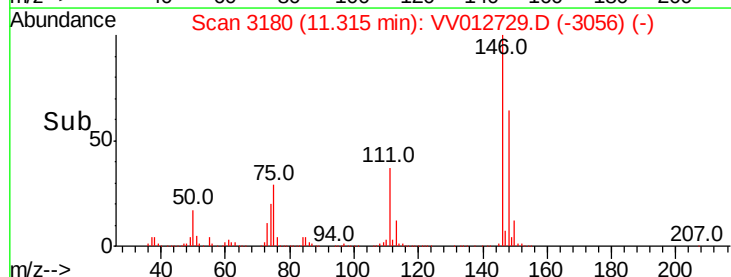
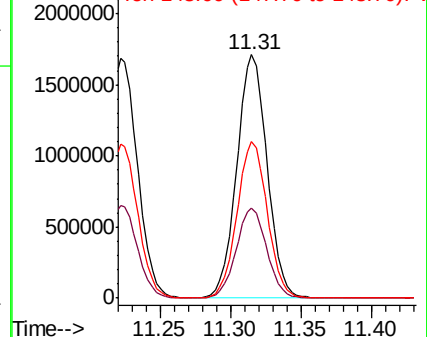
148 64.1 45.0 83.6

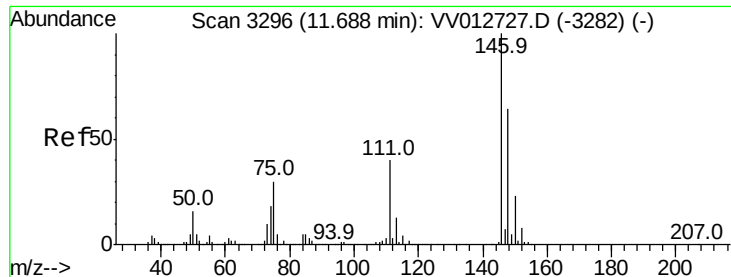


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



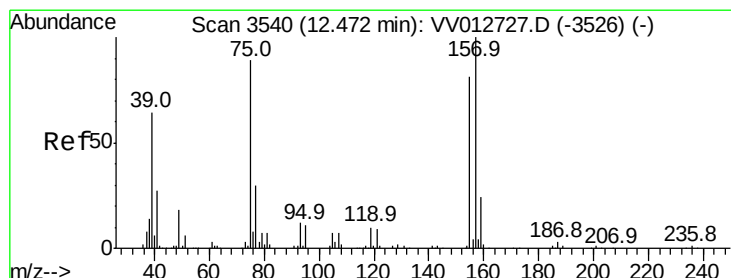
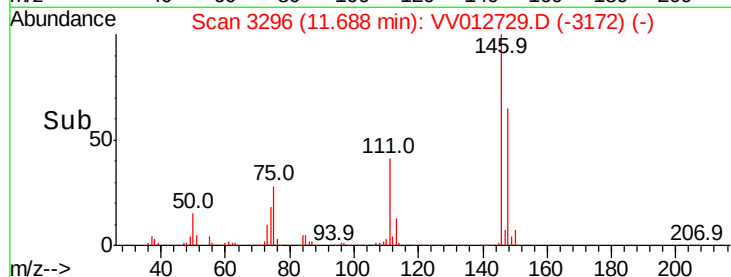
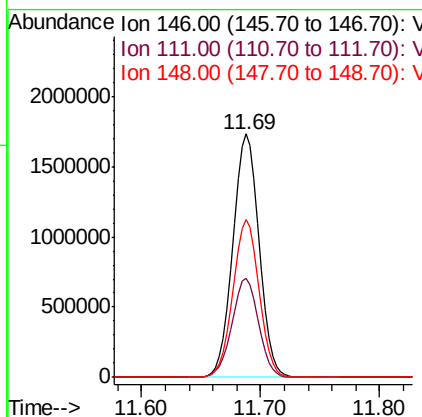
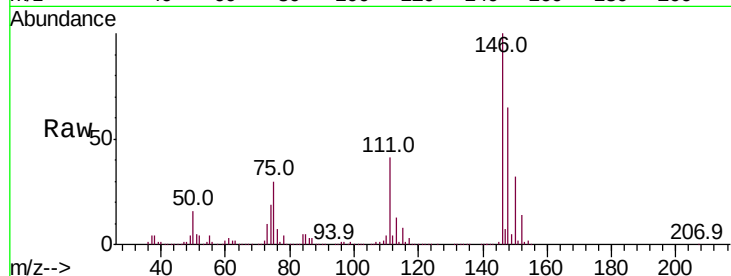


#65
 1,2-Dichlorobenzene
 Concen: 194.585 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. 0.00 min
 Lab File: VV012729.D
 Acq: 13 Sep 2019 10:48

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:146 Resp: 2637002

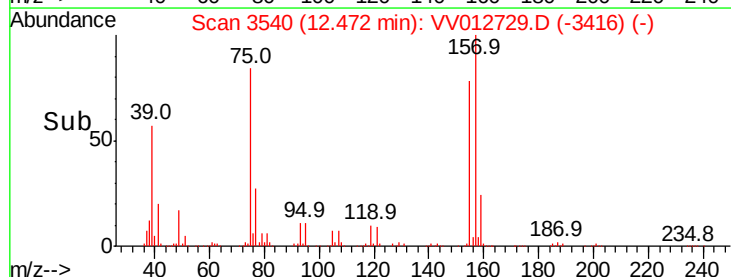
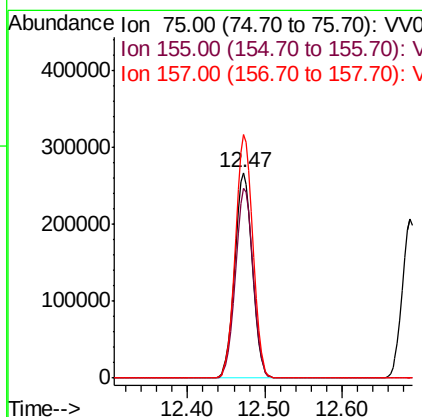
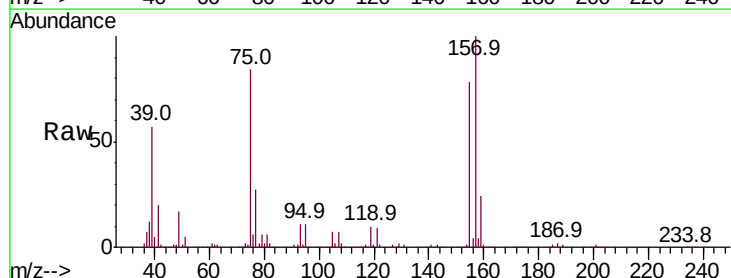
Ion	Ratio	Lower	Upper
146	100		
111	40.9	32.2	48.2
148	64.7	51.5	77.3

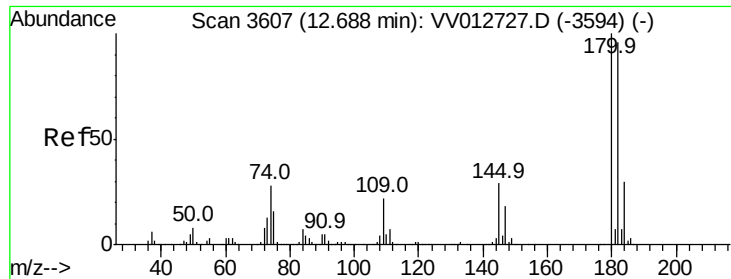


#66
 1,2-Dibromo-3-chloropropane
 Concen: 227.217 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. 0.00 min
 Lab File: VV012729.D
 Acq: 13 Sep 2019 10:48

Tgt Ion: 75 Resp: 411071

Ion	Ratio	Lower	Upper
75	100		
155	92.3	73.4	110.0
157	118.5	90.2	135.2

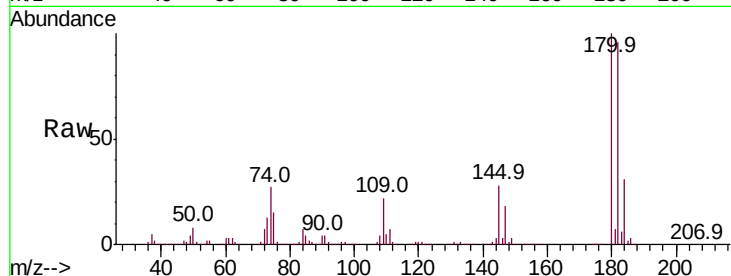




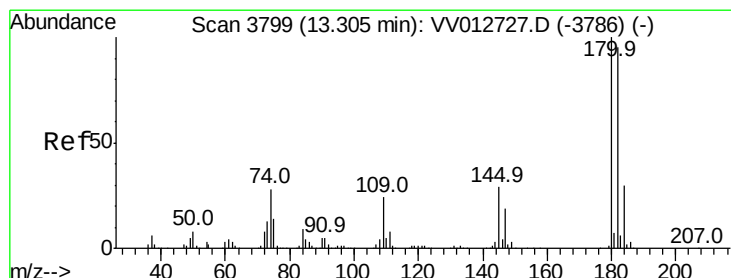
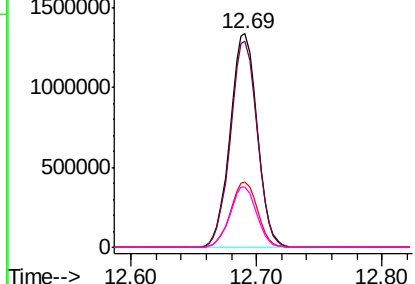
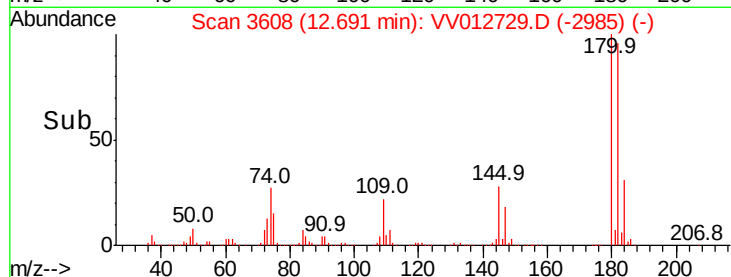
#67
 1,3,5-Trichlorobenzene
 Concen: 210.204 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV012729.D
 Acq: 13 Sep 2019 10:48

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 2001530
 Ion Ratio Lower Upper
 180 100
 182 95.8 76.7 115.1
 184 30.7 24.4 36.6
 145 27.9 22.6 33.8

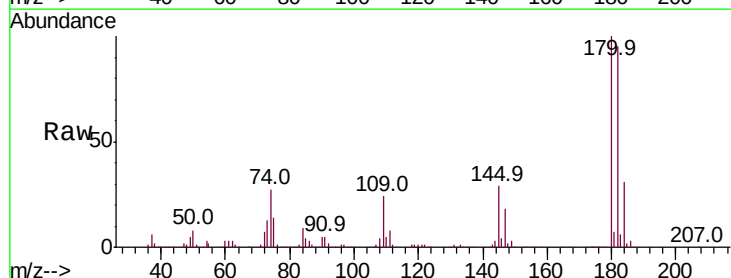


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

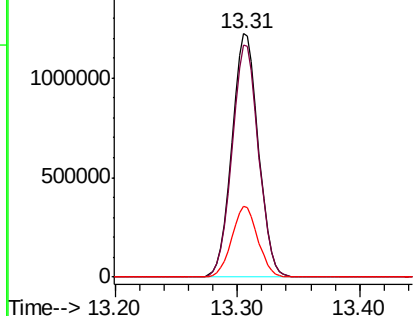
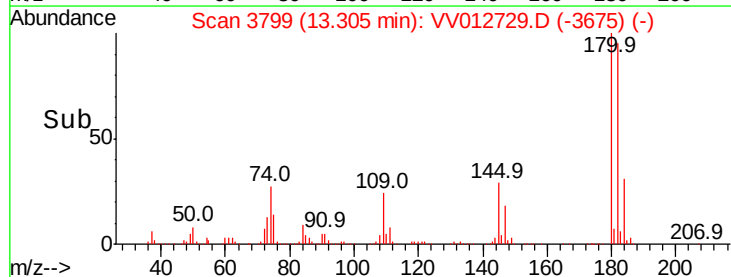


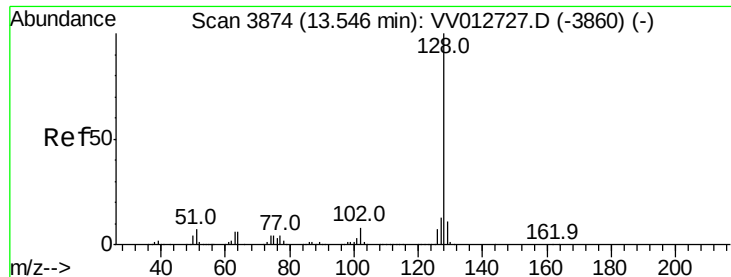
#68
 1,2,4-trichlorobenzene
 Concen: 229.312 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV012729.D
 Acq: 13 Sep 2019 10:48

Tgt Ion:180 Resp: 1844871
 Ion Ratio Lower Upper
 180 100
 182 95.2 76.8 115.2
 145 28.7 23.0 34.4



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





#69

Naphthalene

Concen: 245.335 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV012729.D

Acq: 13 Sep 2019 10:48

Instrument :

MSVOA_V

ClientSampleId :

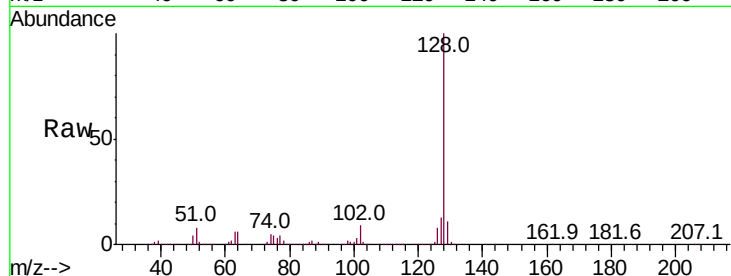
Tot Ion:128 Resp: 5705942

Ion Ratio Lower Upper

128 100

127 13.2 10.4 15.6

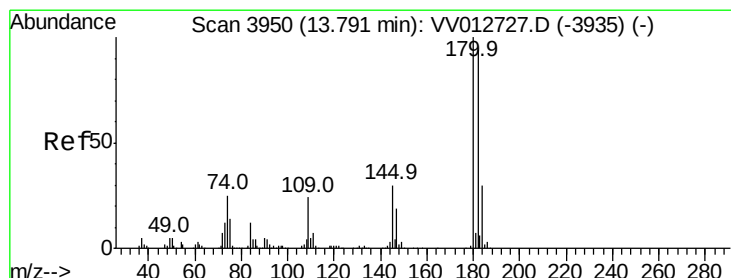
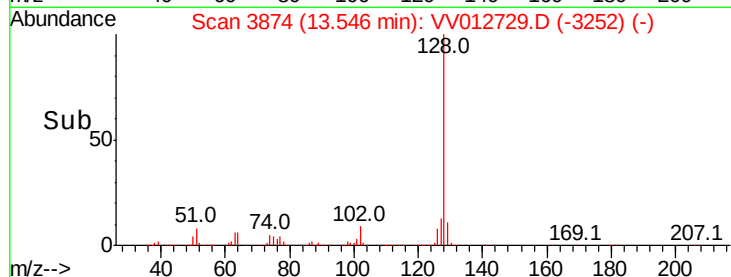
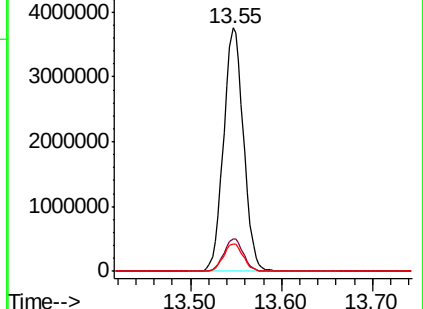
129 11.2 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 216.889 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VV012729.D

Acq: 13 Sep 2019 10:48

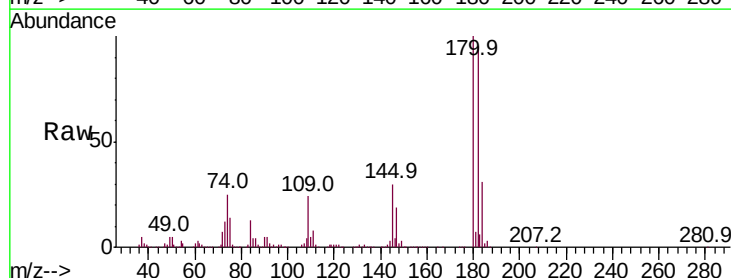
Tgt Ion:180 Resp: 1894178

Ion Ratio Lower Upper

180 100

182 95.4 75.6 113.4

145 30.4 24.2 36.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

