

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV122719\
 Data File : VV014190.D
 Acq On : 27 Dec 2019 14:18
 Operator : SY/MD
 Sample : VSTDICV005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV33

Quant Time: Dec 28 00:55:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR122719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Dec 28 00:45:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	794448	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	726959	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	336008	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	163045	4.38	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.60%
7) Chloroethane-d5	1.58	69	136635	4.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.20%
11) 1,1-Dichloroethene-d2	2.13	63	305342	4.57	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.40%
20) 2-Butanone-d5	3.94	46	436495	47.23	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.46%
24) Chloroform-d	4.39	84	430823	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.40%
26) 1,2-Dichloroethane-d4	5.08	65	210136	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.40%
32) Benzene-d6	5.09	84	921679	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.80%
36) 1,2-Dichloropropane-d6	6.11	67	277959	4.63	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.60%
41) Toluene-d8	7.35	98	856868	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.40%
43) trans-1,3-Dichloropropene-	7.66	79	118377	4.40	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.00%
46) 2-Hexanone-d5	8.13	63	474163	46.48	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.96%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	194032	4.52	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	284458	4.72	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	269328	4.471 ug/L	99
3) Chloromethane	1.25	50	225095	4.123 ug/L	98
5) Vinyl chloride	1.32	62	217515	4.196 ug/L	99
6) Bromomethane	1.53	94	110127	4.587 ug/L	99
8) Chloroethane	1.60	64	117569	4.256 ug/L	98
9) Trichlorofluoromethane	1.77	101	294271	4.419 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	159140	4.428 ug/L	100
12) 1,1-Dichloroethene	2.14	96	156491	4.459 ug/L	92
13) Acetone	2.21	43	244379	42.868 ug/L	97
14) Carbon disulfide	2.31	76	707548	4.607 ug/L	99
15) Methyl Acetate	2.47	43	76762	4.066 ug/L	95
16) Methylene chloride	2.53	84	245999	4.158 ug/L	98
17) Methyl tert-butyl Ether	2.80	73	564630	4.344 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	247579	4.516 ug/L	97
19) 1,1-Dichloroethane	3.23	63	458143	4.507 ug/L	98
21) 2-Butanone	4.03	43	498898	47.124 ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	270289	4.525 ug/L #	96

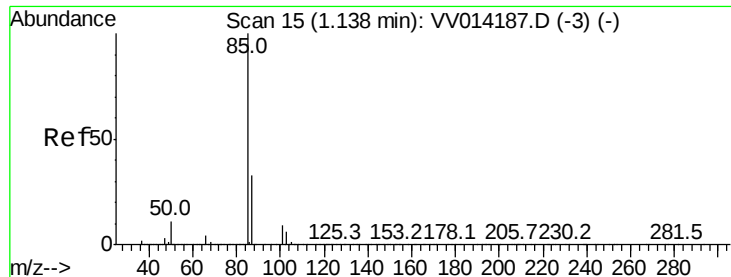
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	102745	4.425	ug/L	97
25) Chloroform	4.42	83	461136	4.474	ug/L	98
27) 1,2-Dichloroethane	5.17	62	254856	4.416	ug/L	96
29) 1,1,1-Trichloroethane	4.65	97	396750	4.497	ug/L	98
30) Cyclohexane	4.72	56	437300	4.532	ug/L	99
31) Carbon tetrachloride	4.87	117	343185	4.556	ug/L	99
33) Benzene	5.14	78	1010036	4.492	ug/L	100
34) Trichloroethene	5.95	95	275320	4.571	ug/L	98
35) Methylcyclohexane	6.17	83	452461	4.508	ug/L	98
37) 1,2-Dichloropropane	6.22	63	244659	4.479	ug/L	99
38) Bromodichloromethane	6.55	83	321287	4.408	ug/L	100
39) cis-1,3-Dichloropropene	7.06	75	404705	4.528	ug/L	100
40) 4-Methyl-2-pentanone	7.27	43	1493852	43.969	ug/L	99
42) Toluene	7.42	91	1087349	4.403	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	309414	4.426	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	165447	4.441	ug/L	98
47) Tetrachloroethene	8.01	164	190793	4.531	ug/L	97
48) 2-Hexanone	8.18	43	1068150	45.461	ug/L	99
49) Dibromochloromethane	8.28	129	208543	4.389	ug/L	98
50) 1,2-Dibromoethane	8.39	107	155128	4.333	ug/L	97
51) Chlorobenzene	8.92	112	684383	4.480	ug/L	99
52) Ethylbenzene	9.05	91	1237012	4.511	ug/L	100
53) m,p-xylene	9.18	106	467271	4.534	ug/L	95
54) o-xylene	9.58	106	448251	4.454	ug/L	97
55) Styrene	9.60	104	758766	4.492	ug/L	100
56) Isopropylbenzene	9.97	105	1194739	4.527	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	194630	4.333	ug/L	99
59) 1,2,3-Trichloropropane	10.31	75	145964	4.372	ug/L	99
61) Bromoform	9.77	173	106950	4.361	ug/L	98
62) 1,3-Dichlorobenzene	11.22	146	521397	4.688	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	515983	4.641	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	469579	4.606	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	34756	4.139	ug/L	93
67) 1,3,5-Trichlorobenzene	12.69	180	385888	4.765	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	339607	4.781	ug/L	99
69) Naphthalene	13.55	128	641961	4.962	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	298375	4.812	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.471 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV014190.D

Acq: 27 Dec 2019 14:18

Instrument :

MSVOA_V

ClientSampleId :

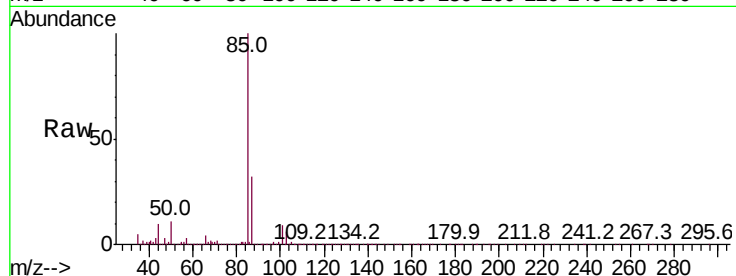
VICV33

Tot Ion: 85 Resp: 269328

Ion Ratio Lower Upper

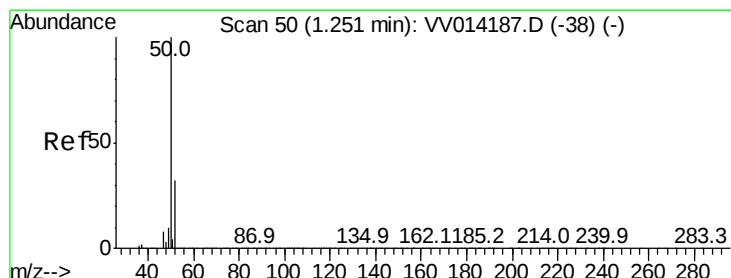
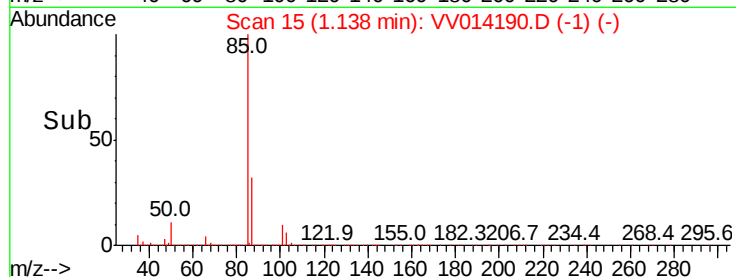
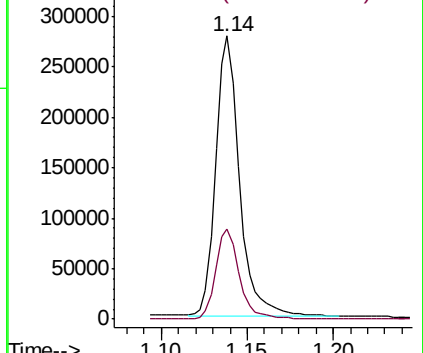
85 100

87 31.9 25.1 37.7



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 4.123 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV014190.D

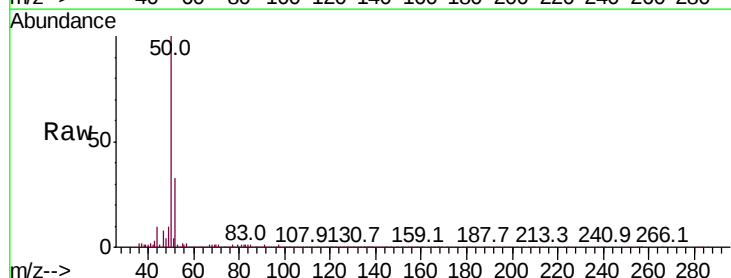
Acq: 27 Dec 2019 14:18

Tgt Ion: 50 Resp: 225095

Ion Ratio Lower Upper

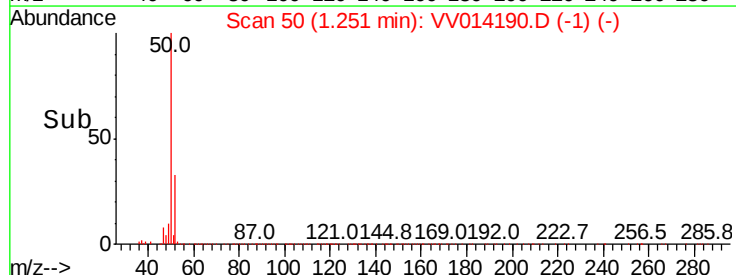
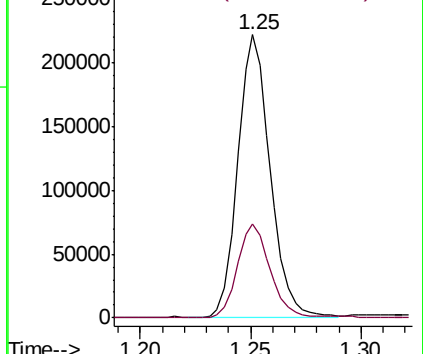
50 100

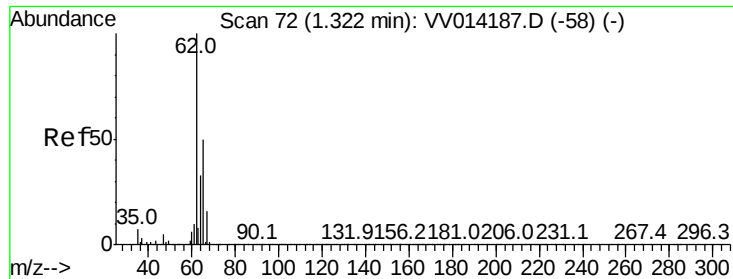
52 33.1 22.3 41.3



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 4.196 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV014190.D

Acq: 27 Dec 2019 14:18

Instrument :

MSVOA_V

ClientSampleId :

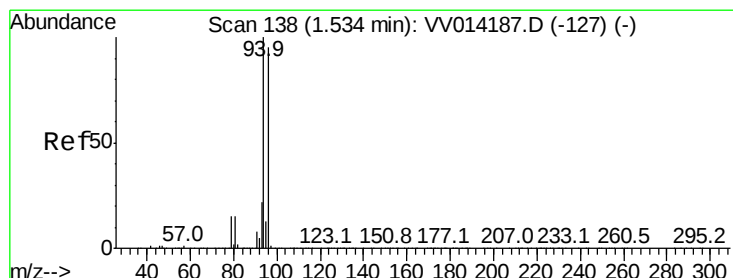
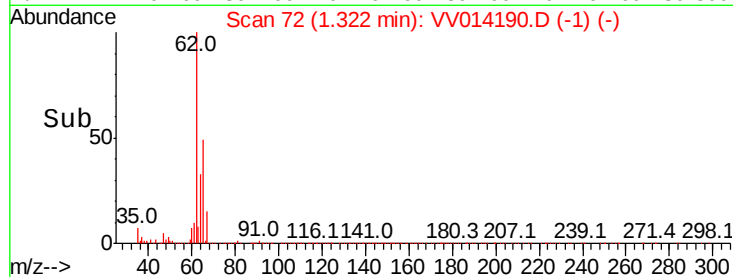
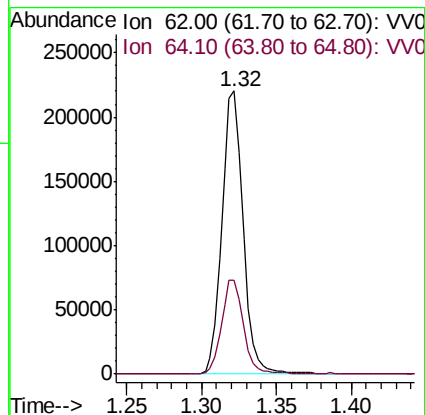
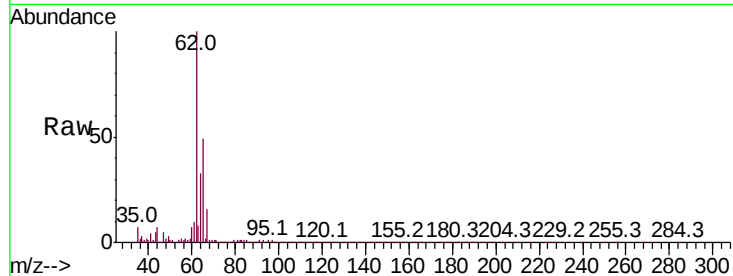
VICV33

Tot Ion: 62 Resp: 217515

Ion Ratio Lower Upper

62 100

64 33.4 23.0 42.6



#6

Bromomethane

Concen: 4.587 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV014190.D

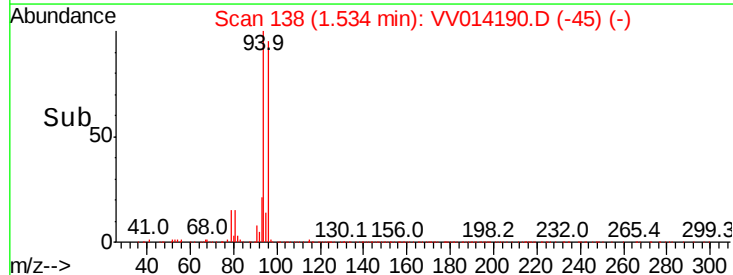
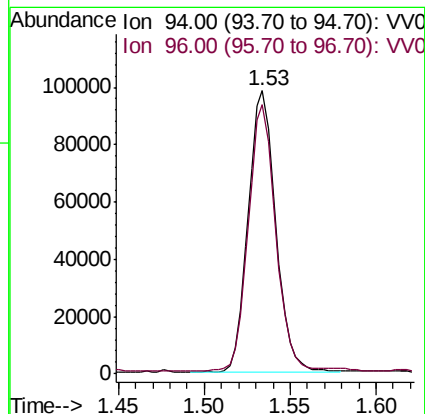
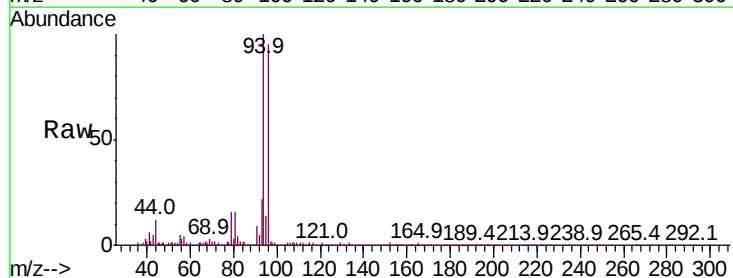
Acq: 27 Dec 2019 14:18

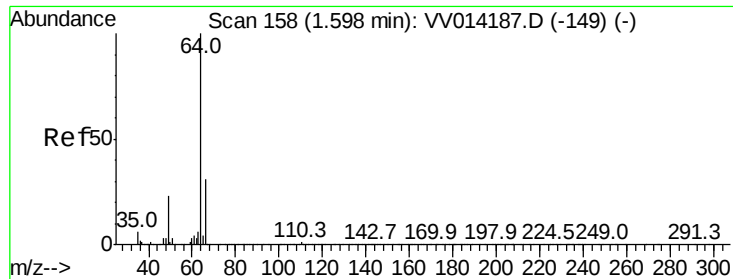
Tgt Ion: 94 Resp: 110127

Ion Ratio Lower Upper

94 100

96 94.9 66.9 124.3

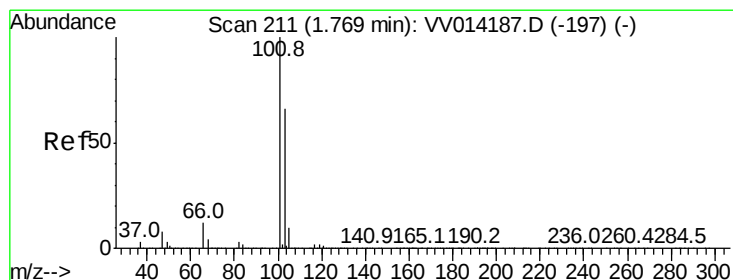
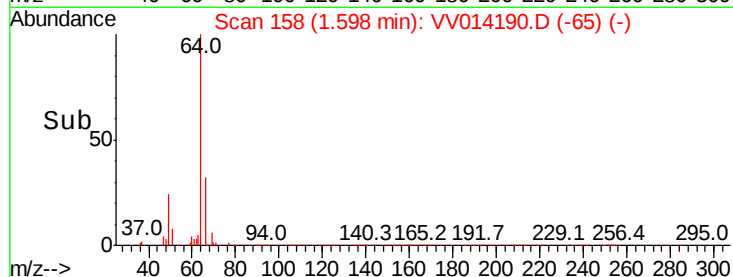
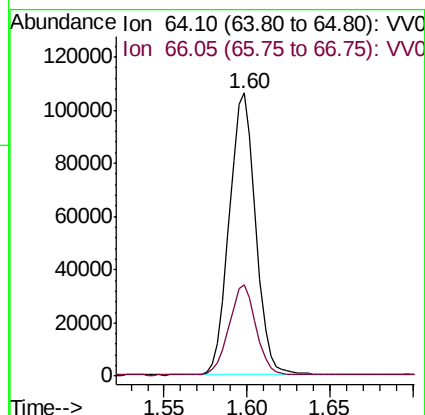
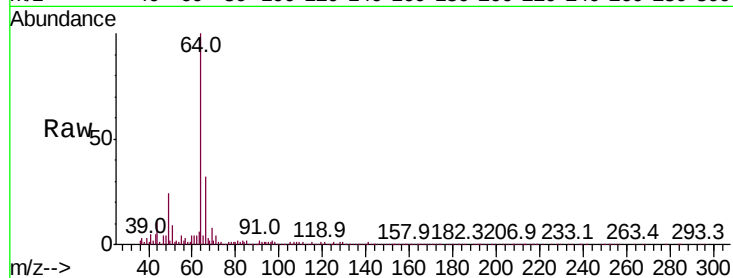




#8
Chloroethane
Concen: 4.256 ug/L
RT: 1.60 min Scan# 158
Delta R.T. -0.00 min
Lab File: VV014190.D
Acq: 27 Dec 2019 14:18

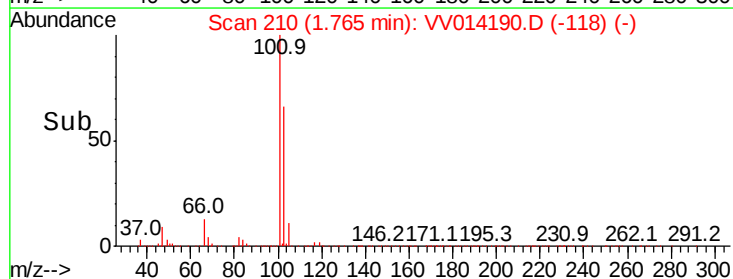
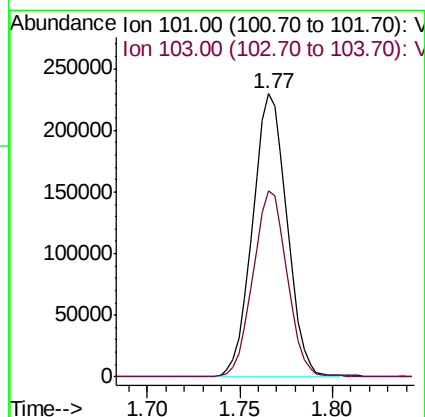
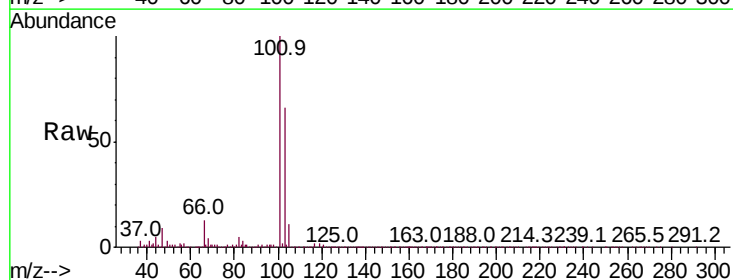
Instrument :
MSVOA_V
ClientSampleId :
VICV33

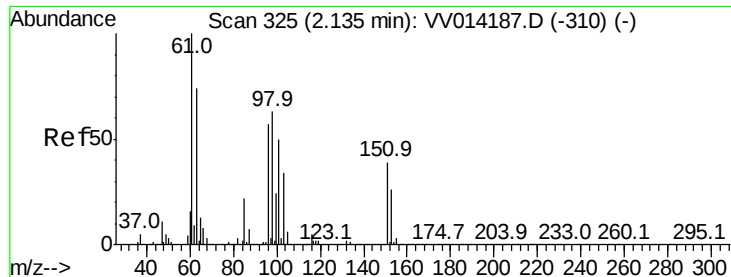
Tot Ion: 64 Resp: 117569
Ion Ratio Lower Upper
64 100
66 32.3 21.8 40.6



#9
Trichlorofluoromethane
Concen: 4.419 ug/L
RT: 1.77 min Scan# 210
Delta R.T. -0.00 min
Lab File: VV014190.D
Acq: 27 Dec 2019 14:18

Tgt Ion: 101 Resp: 294271
Ion Ratio Lower Upper
101 100
103 65.1 52.6 78.8





#10

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

Concen: 4.428 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV014190.D

Acq: 27 Dec 2019 14:18

Instrument :

MSVOA_V

ClientSampled :

VICV33

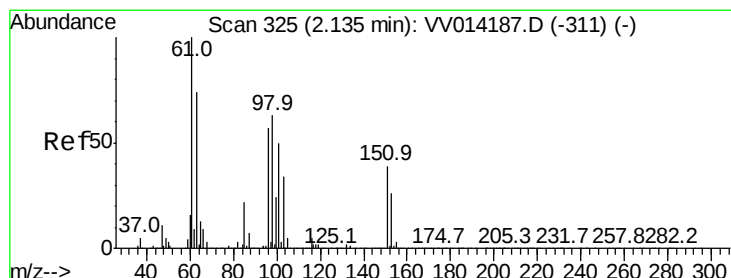
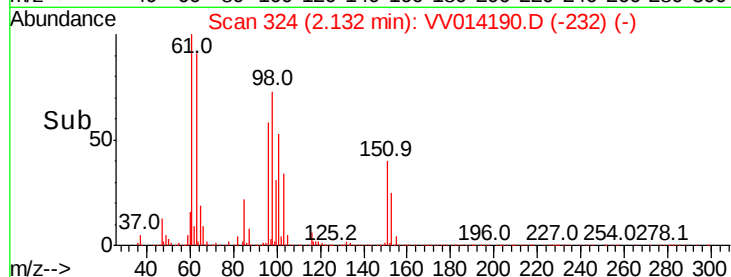
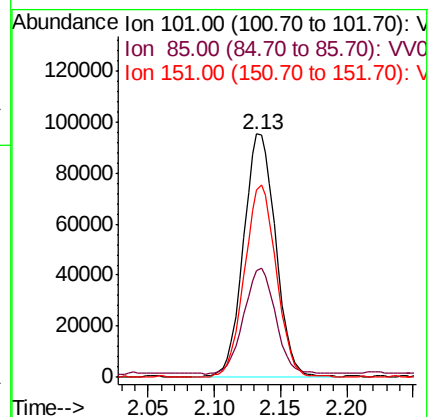
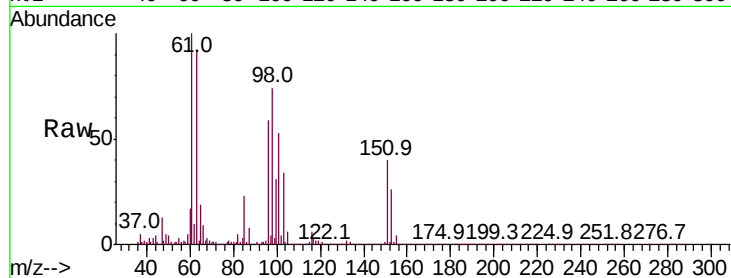
Tot Ion:101 Resp: 159140

Ion Ratio Lower Upper

101 100

85 43.2 34.9 52.3

151 78.3 62.5 93.7



#12

1,1-Dichloroethene

Concen: 4.459 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV014190.D

Acq: 27 Dec 2019 14:18

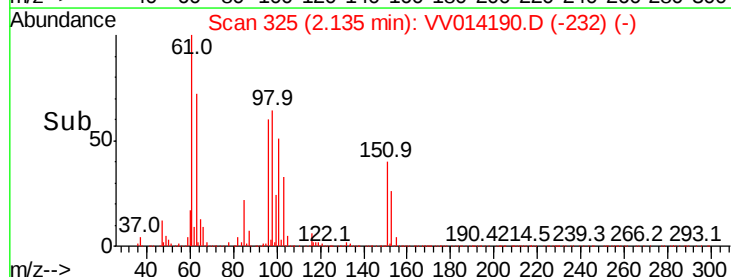
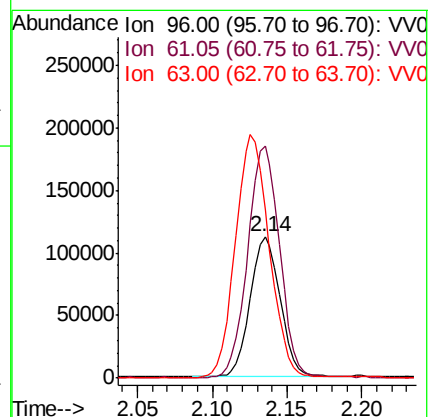
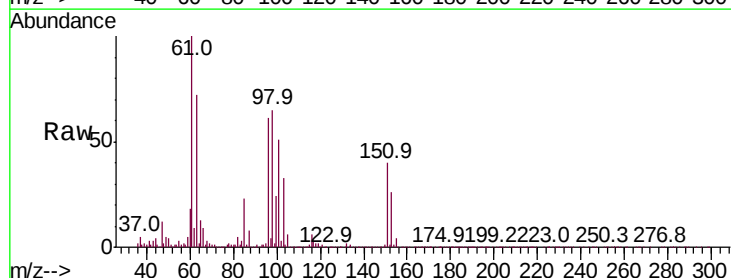
Tgt Ion: 96 Resp: 156491

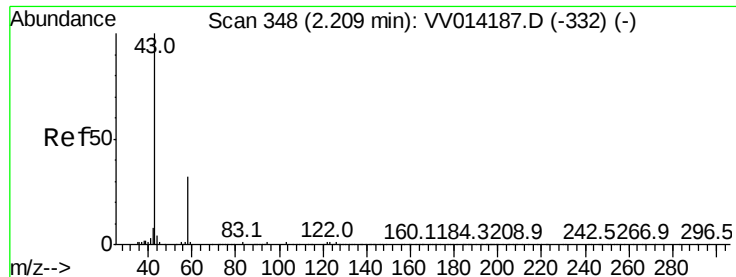
Ion Ratio Lower Upper

96 100

61 164.3 121.5 225.7

63 119.0 90.3 167.7





#13

Acetone

Concen: 42.868 ug/L

RT: 2.21 min Scan# 348

Delta R.T. -0.00 min

Lab File: VV014190.D

Acq: 27 Dec 2019 14:18

Instrument :

MSVOA_V

ClientSampleId :

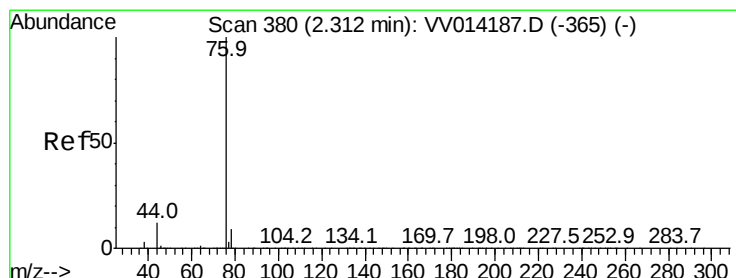
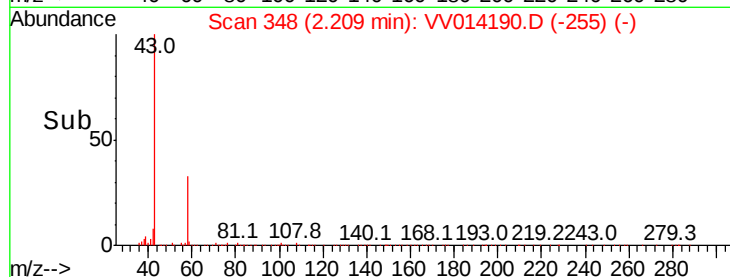
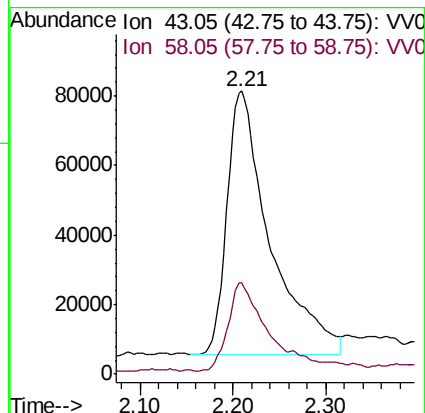
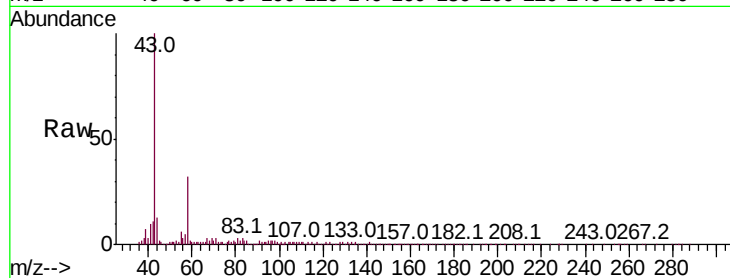
VICV33

Tot Ion: 43 Resp: 244379

Ion Ratio Lower Upper

43 100

58 31.3 0.0 66.0



#14

Carbon disulfide

Concen: 4.607 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV014190.D

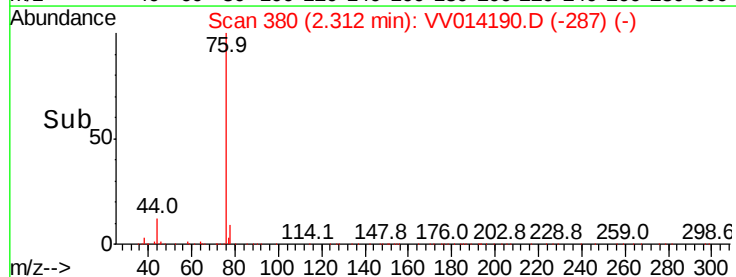
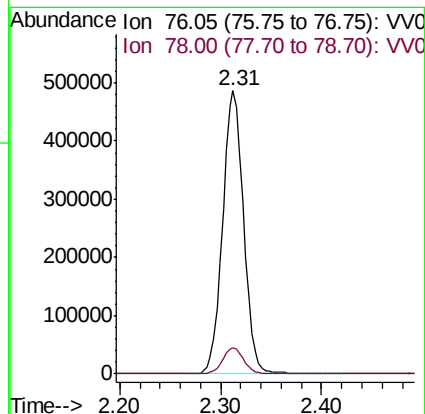
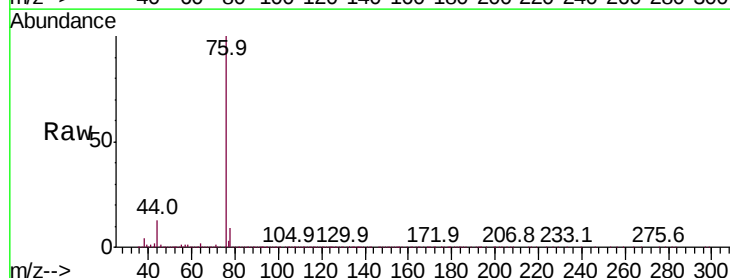
Acq: 27 Dec 2019 14:18

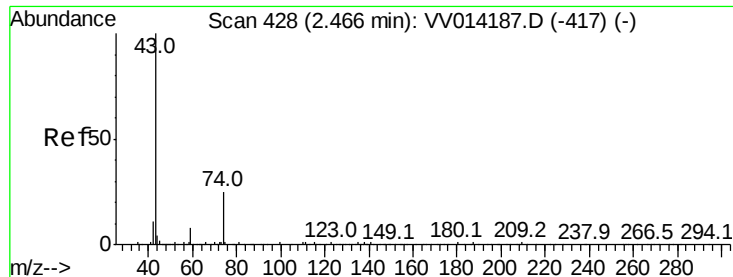
Tgt Ion: 76 Resp: 707548

Ion Ratio Lower Upper

76 100

78 9.1 7.5 11.3

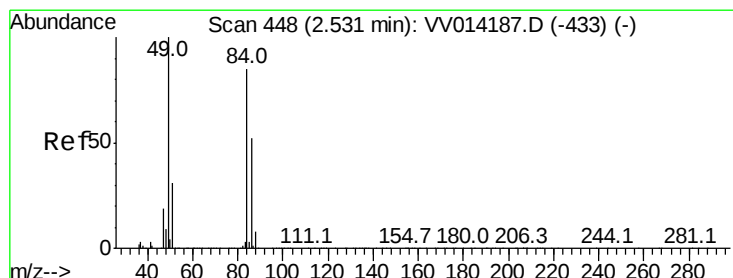
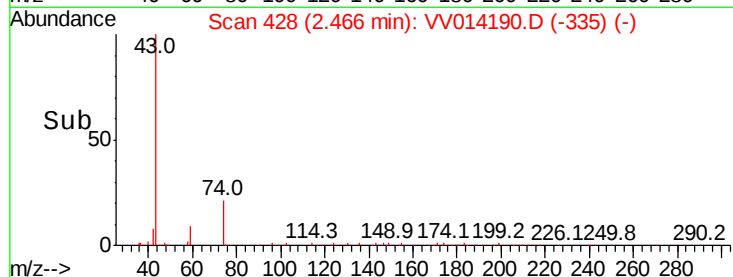
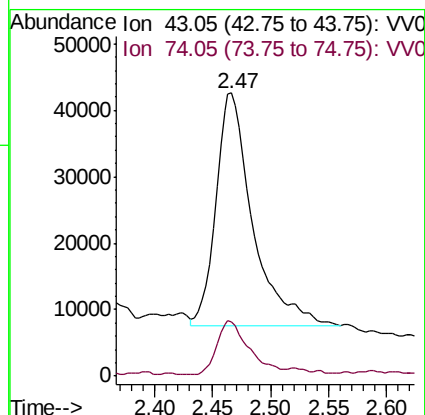
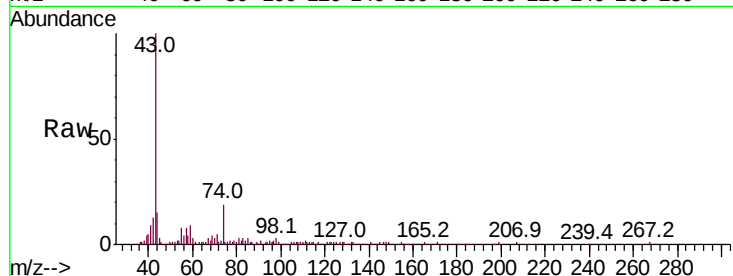




#15
Methvl Acetate
Concen: 4.066 ug/L
RT: 2.47 min Scan# 428
Delta R.T. -0.00 min
Lab File: VV014190.D
Acq: 27 Dec 2019 14:18

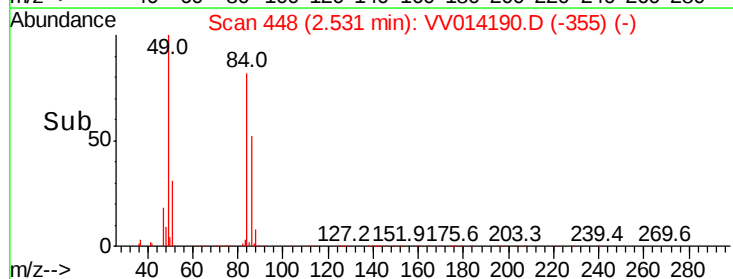
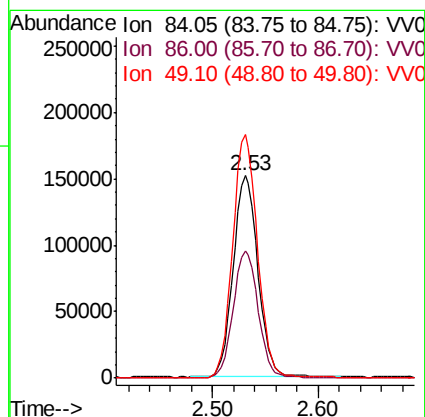
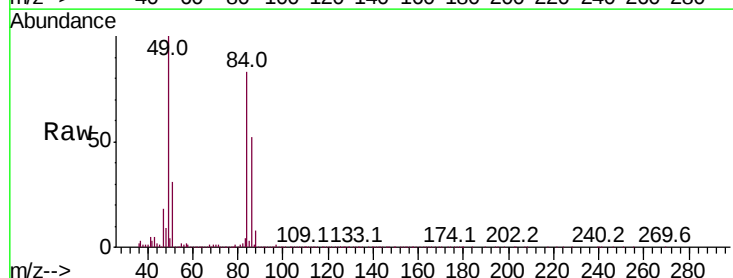
Instrument :
MSVOA_V
ClientSampleId :
VICV33

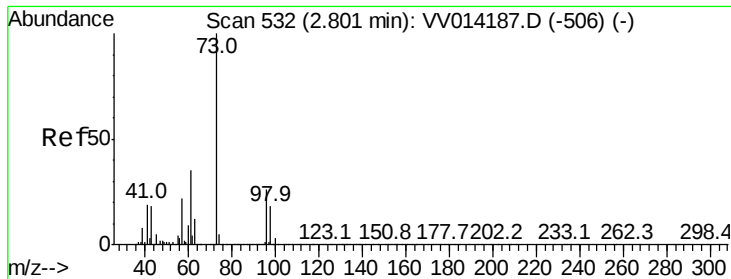
Tot Ion: 43 Resp: 76762
Ion Ratio Lower Upper
43 100
74 20.7 18.6 28.0



#16
Methylene chloride
Concen: 4.158 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.00 min
Lab File: VV014190.D
Acq: 27 Dec 2019 14:18

Tgt Ion: 84 Resp: 245999
Ion Ratio Lower Upper
84 100
86 62.9 43.1 80.1
49 120.5 82.1 152.5



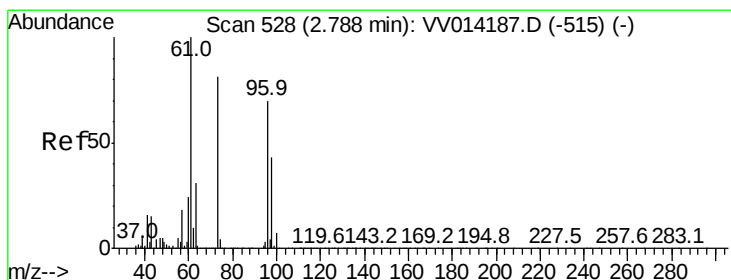
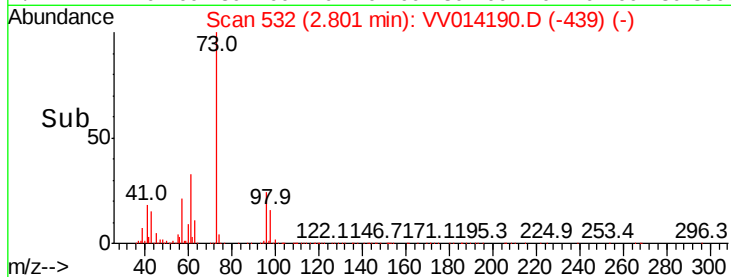
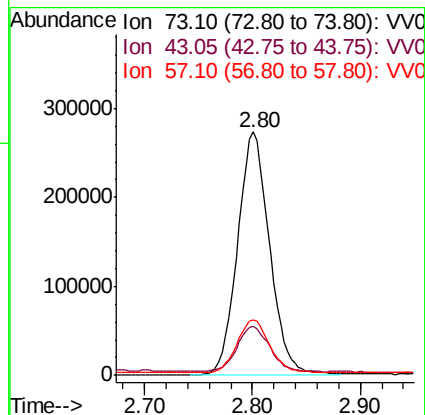
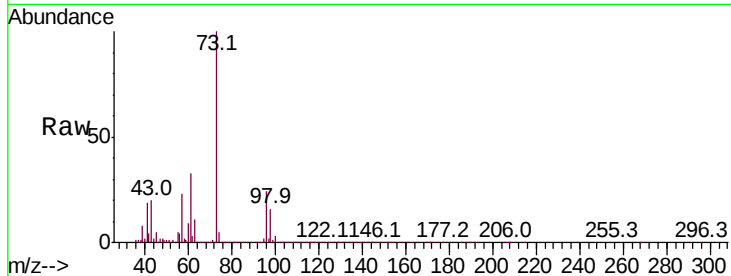


#17

Methyl tert-butyl Ether
Concen: 4.344 ug/L
RT: 2.80 min Scan# 532
Delta R.T. -0.00 min
Lab File: VV014190.D
Acq: 27 Dec 2019 14:18

Instrument :
MSVOA_V
ClientSampled :
VICV33

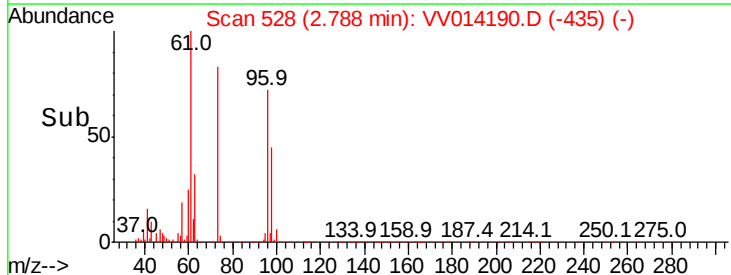
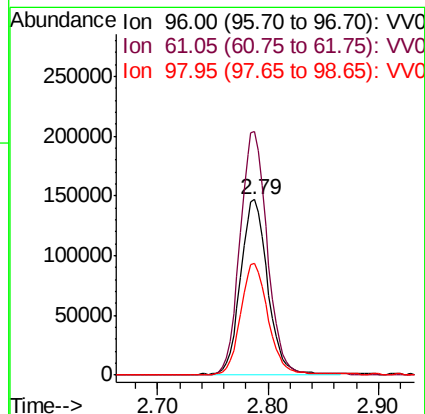
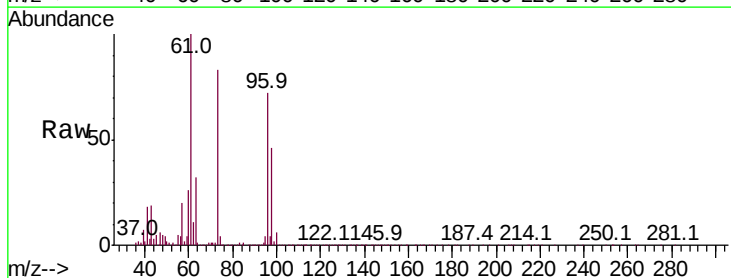
Tot Ion:	73	Resp:	564630
Ion	Ratio	Lower	Upper
73	100		
43	19.3	14.7	22.1
57	22.1	17.9	26.9

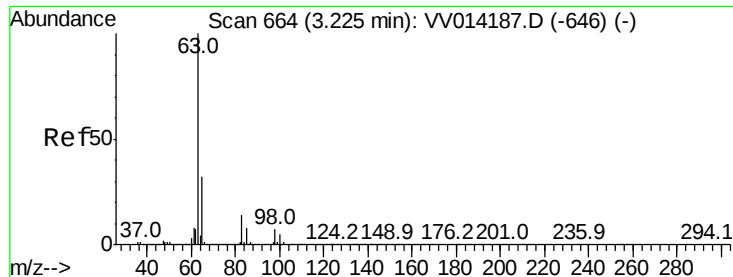


#18

trans-1,2-Dichloroethene
Concen: 4.516 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.00 min
Lab File: VV014190.D
Acq: 27 Dec 2019 14:18

Tgt Ion:	96	Resp:	247579
Ion	Ratio	Lower	Upper
96	100		
61	138.6	99.2	184.2
98	63.5	43.1	80.1





#19

1,1-Dichloroethane

Concen: 4.507 ug/L

RT: 3.23 min Scan# 664

Delta R.T. -0.00 min

Lab File: VV014190.D

Acq: 27 Dec 2019 14:18

Instrument :

MSVOA_V

ClientSampleId :

VICV33

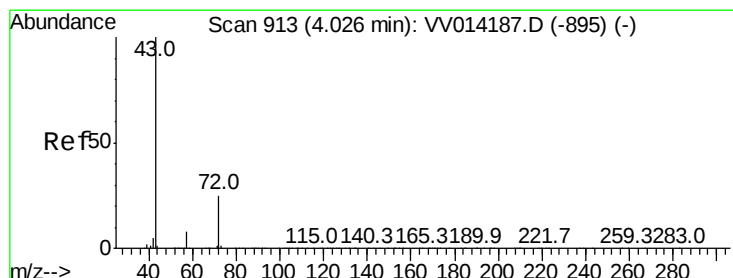
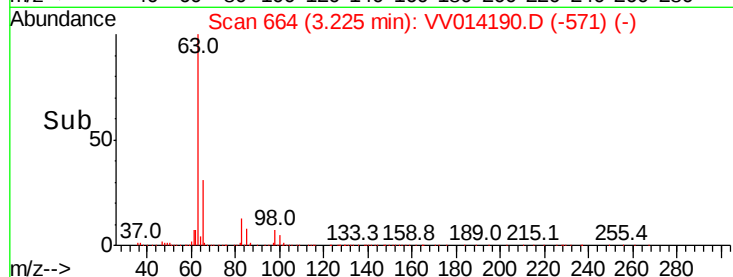
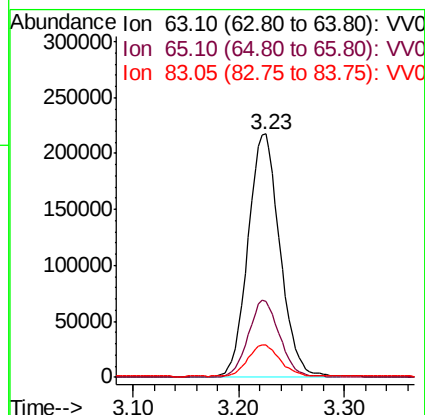
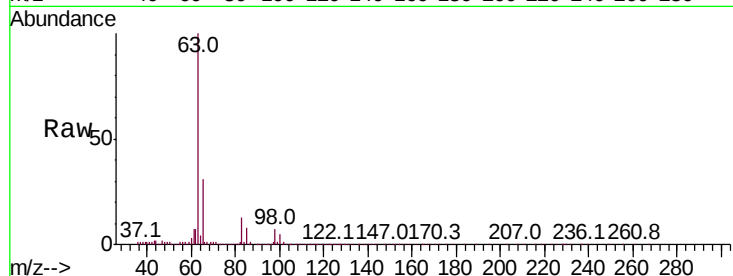
Tot Ion: 63 Resp: 458143

Ion Ratio Lower Upper

63 100

65 31.2 22.7 42.3

83 13.2 10.0 18.6



#21

2-Butanone

Concen: 47.124 ug/L

RT: 4.03 min Scan# 913

Delta R.T. -0.00 min

Lab File: VV014190.D

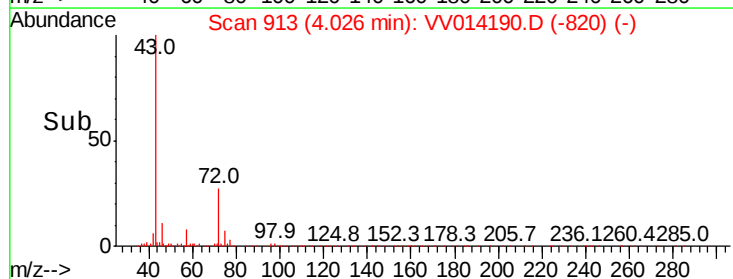
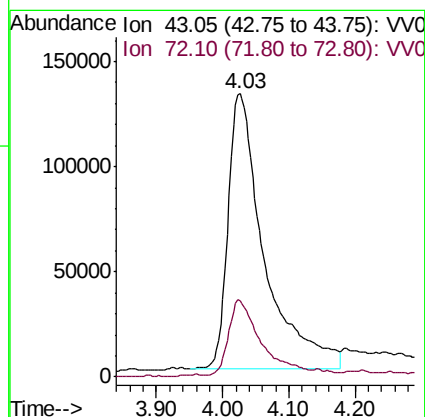
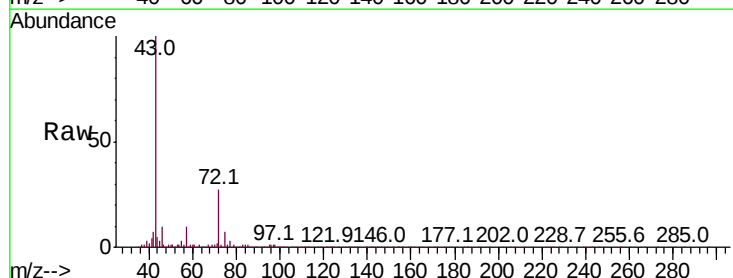
Acq: 27 Dec 2019 14:18

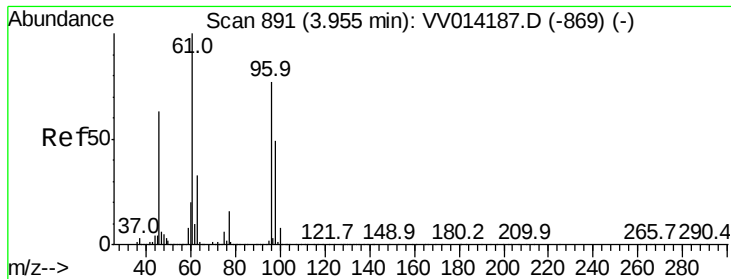
Tgt Ion: 43 Resp: 498898

Ion Ratio Lower Upper

43 100

72 24.3 12.4 37.2



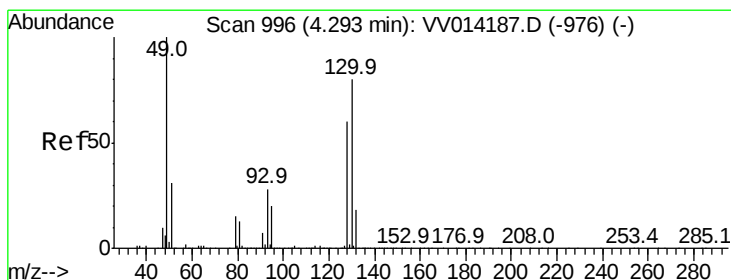
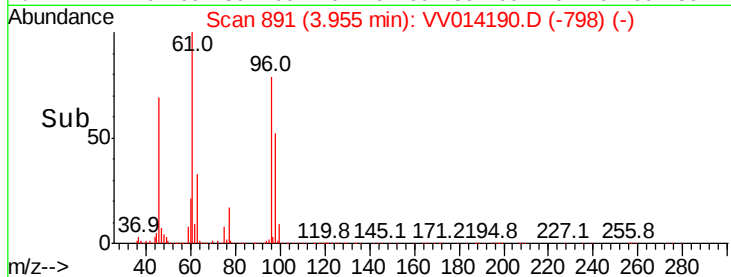
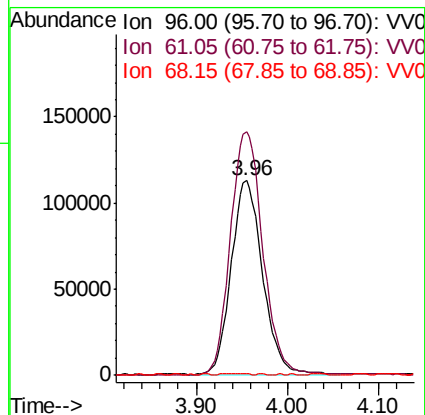
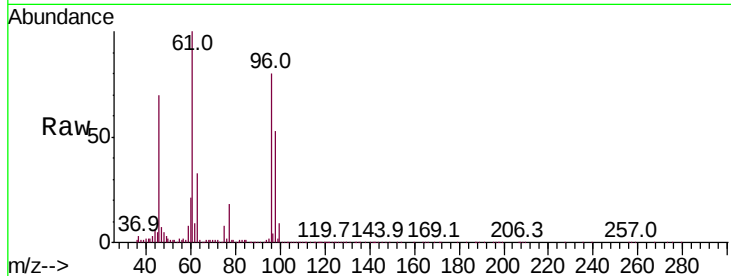


#22

cis-1,2-Dichloroethene
Concen: 4.525 ug/L
RT: 3.96 min Scan# 891
Delta R.T. -0.00 min
Lab File: VV014190.D
Acq: 27 Dec 2019 14:18

Instrument :
MSVOA_V
ClientSampleId :
VICV33

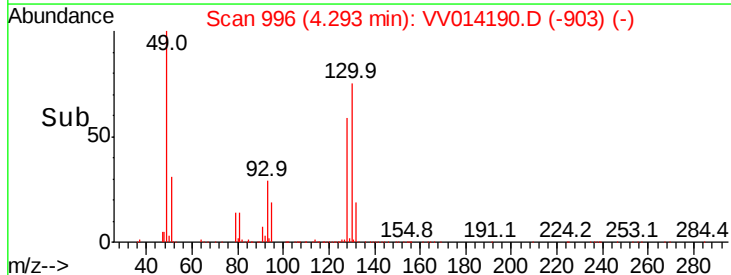
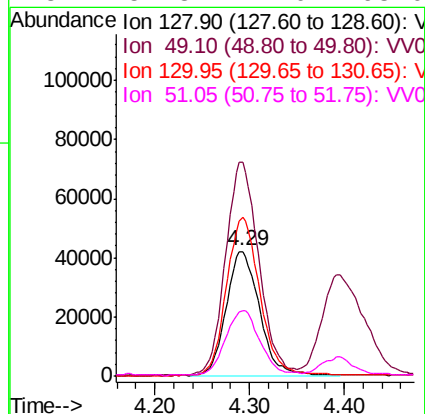
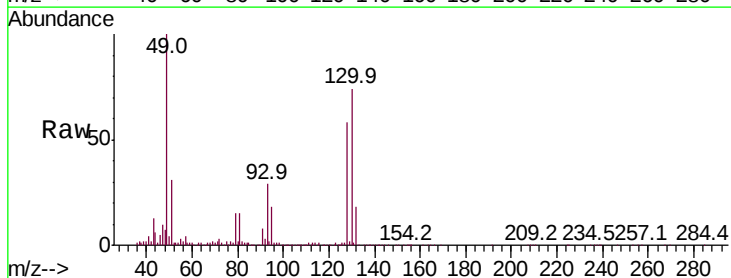
Tot Ion	Ratio	Lower	Upper
96	100		
61	125.3	90.6	168.3
68	0.7	0.3	0.7#

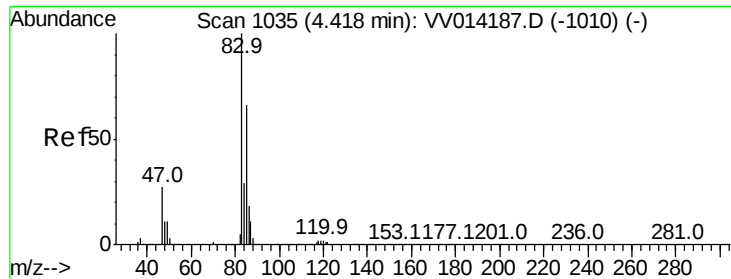


#23

Bromochloromethane
Concen: 4.425 ug/L
RT: 4.29 min Scan# 996
Delta R.T. -0.00 min
Lab File: VV014190.D
Acq: 27 Dec 2019 14:18

Tgt Ion	Ratio	Lower	Upper
128	100		
49	171.3	117.5	218.1
130	127.1	93.7	173.9
51	52.8	42.0	63.0

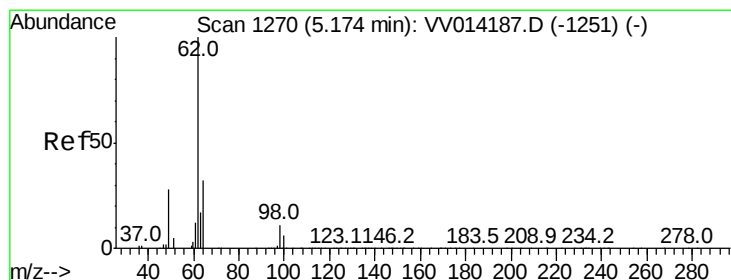
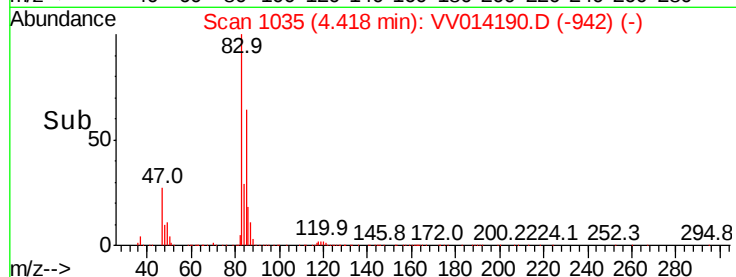
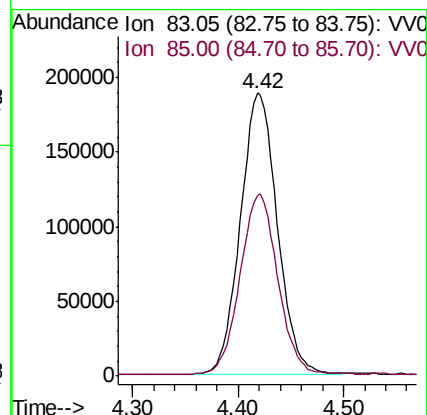
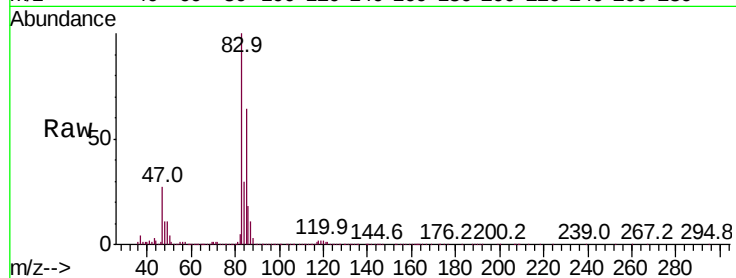




#25
Chloroform
Concen: 4.474 ug/L
RT: 4.42 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VV014190.D
Acq: 27 Dec 2019 14:18

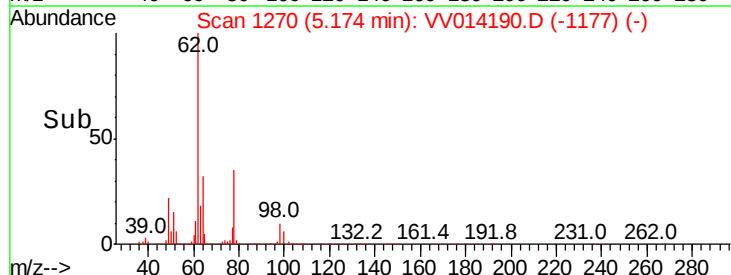
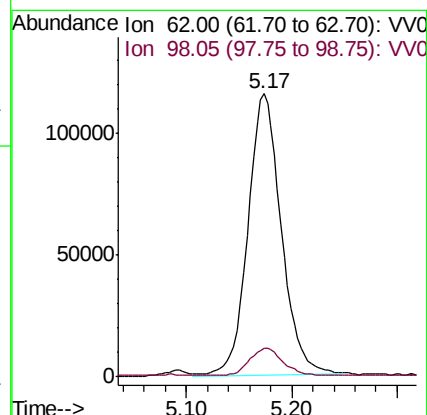
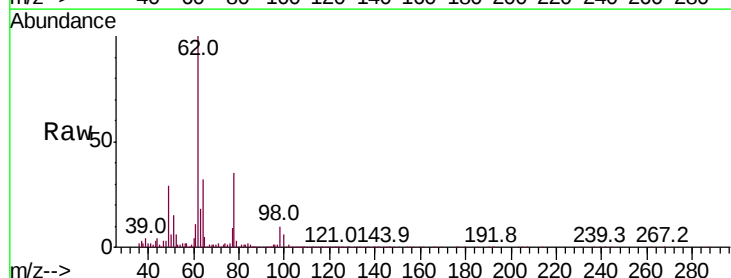
Instrument :
MSVOA_V
ClientSampled :
VICV33

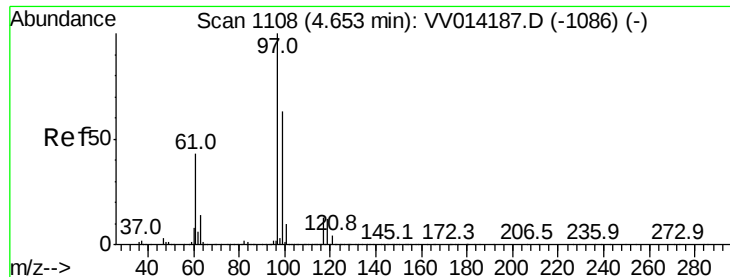
Tot Ion: 83 Resp: 461136
Ion Ratio Lower Upper
83 100
85 64.1 46.2 85.8



#27
1,2-Dichloroethane
Concen: 4.416 ug/L
RT: 5.17 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VV014190.D
Acq: 27 Dec 2019 14:18

Tgt Ion: 62 Resp: 254856
Ion Ratio Lower Upper
62 100
98 10.1 9.2 13.8





#29

1,1,1-Trichloroethane

Concen: 4.497 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VV014190.D

Acq: 27 Dec 2019 14:18

Instrument :

MSVOA_V

ClientSampleId :

VICV33

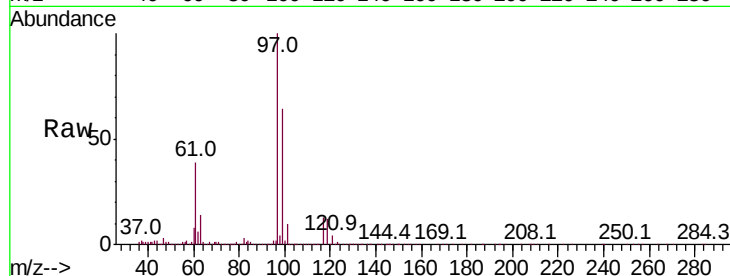
Tot Ion: 97 Resp: 396750

Ion Ratio Lower Upper

97 100

99 65.1 51.1 76.7

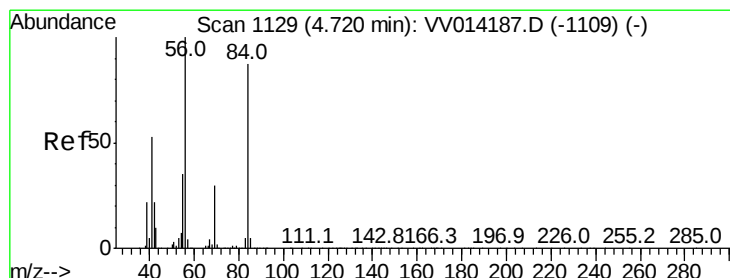
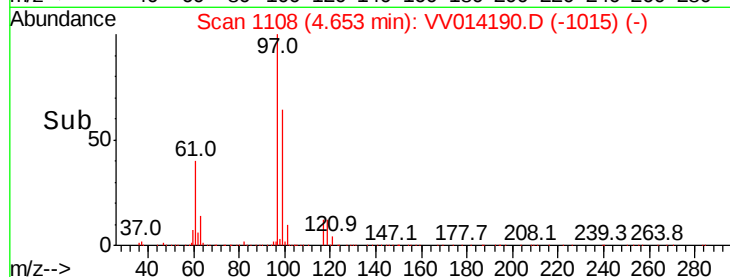
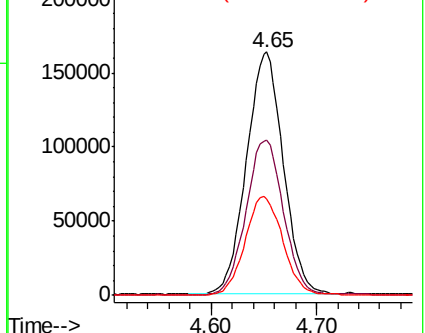
61 41.4 33.9 50.9



Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0



#30

Cyclohexane

Concen: 4.532 ug/L

RT: 4.72 min Scan# 1128

Delta R.T. -0.00 min

Lab File: VV014190.D

Acq: 27 Dec 2019 14:18

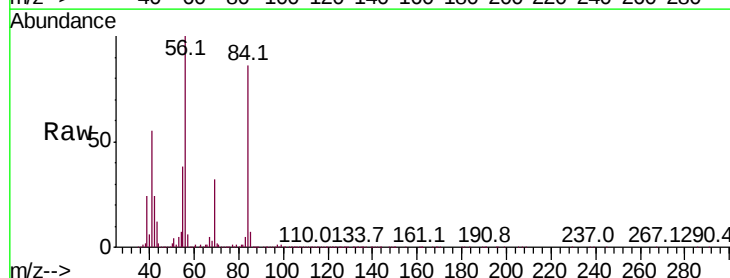
Tgt Ion: 56 Resp: 437300

Ion Ratio Lower Upper

56 100

69 31.3 23.9 35.9

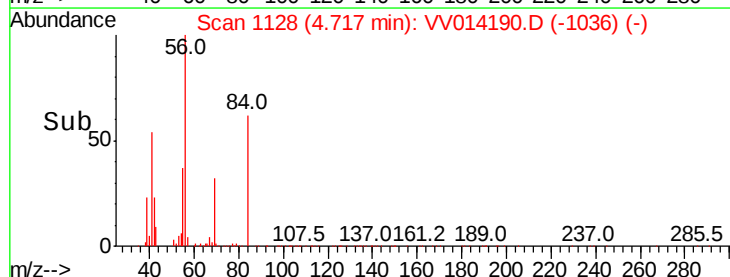
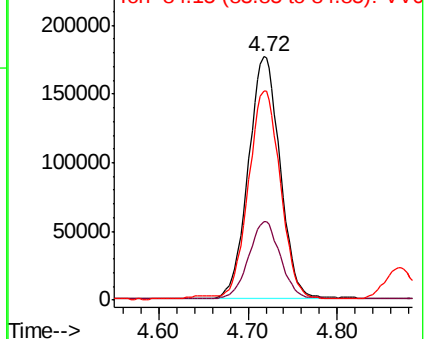
84 86.5 68.9 103.3

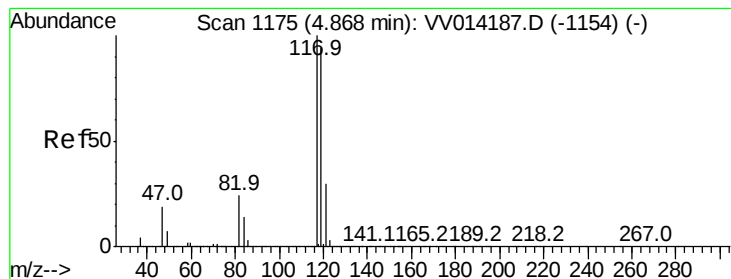


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 4.556 ug/L

RT: 4.87 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VV014190.D

Acq: 27 Dec 2019 14:18

Instrument :

MSVOA_V

ClientSampleId :

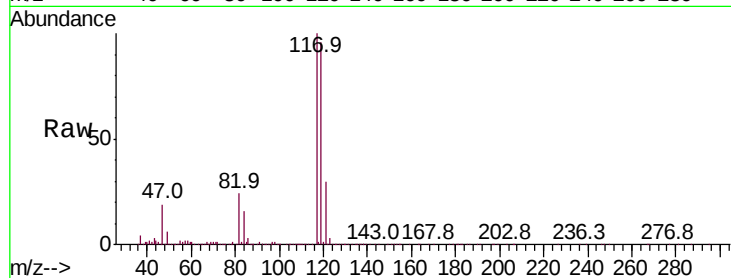
VICV33

Tot Ion:117 Resp: 343185

Ion Ratio Lower Upper

117 100

119 94.7 76.8 115.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

150000

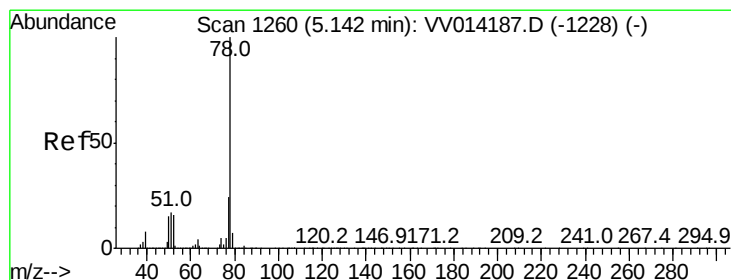
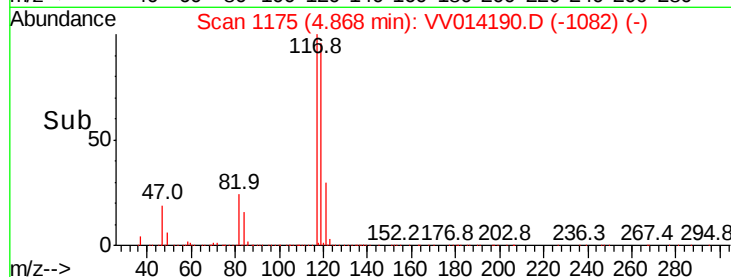
100000

50000

0

4.80 4.90

Time-->



#33

Benzene

Concen: 4.492 ug/L

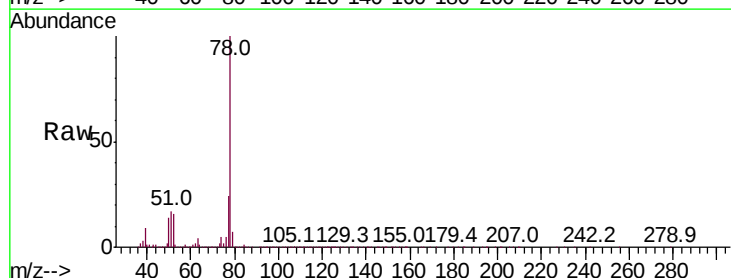
RT: 5.14 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VV014190.D

Acq: 27 Dec 2019 14:18

Tgt Ion: 78 Resp: 1010036



Abundance Ion 78.10 (77.80 to 78.80): VV0

500000

400000

300000

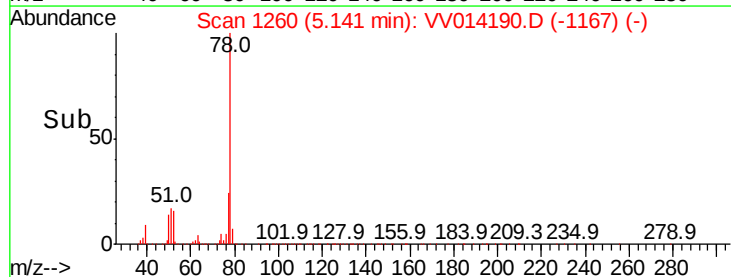
200000

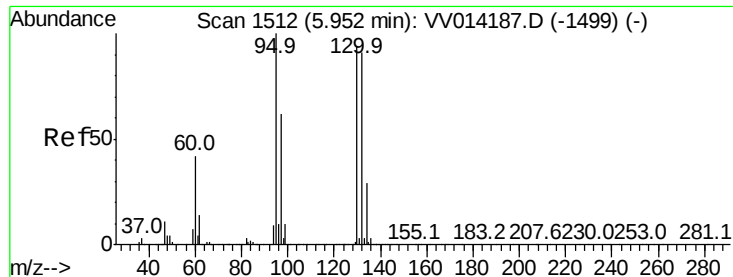
100000

0

5.00 5.10 5.20

Time-->

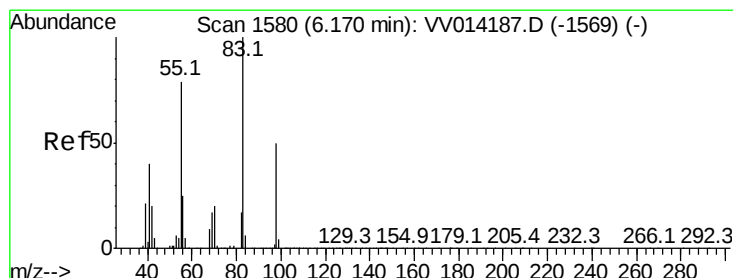
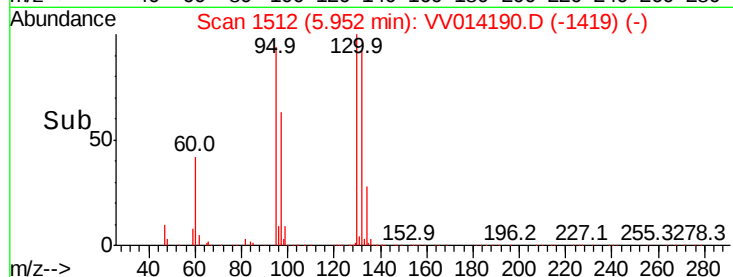
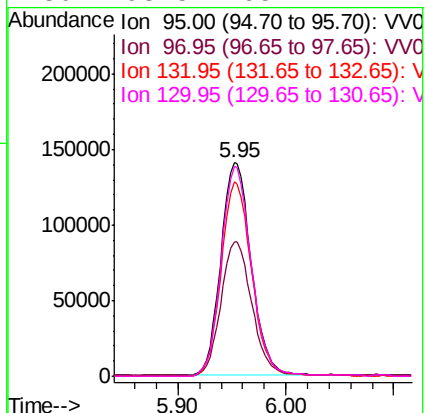
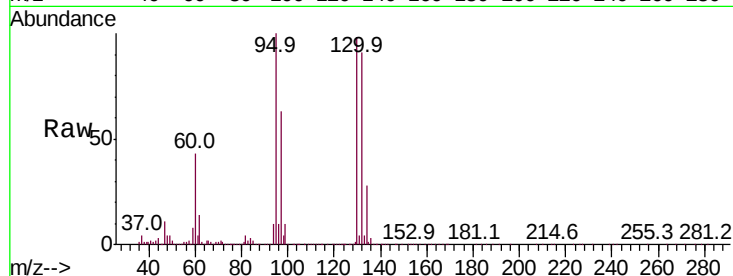




#34
 Trichloroethene
 Concen: 4.571 ug/L
 RT: 5.95 min Scan# 1512
 Delta R.T. -0.00 min
 Lab File: VV014190.D
 Acq: 27 Dec 2019 14:18

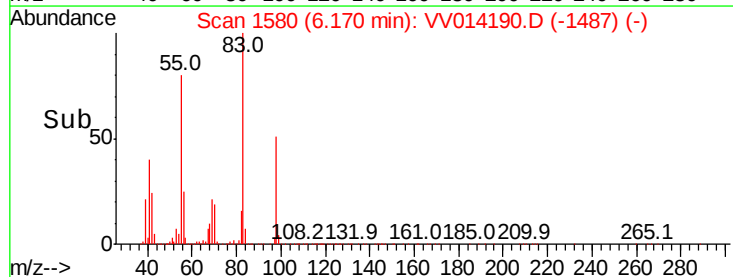
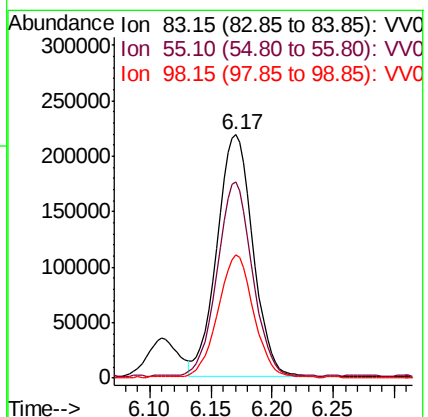
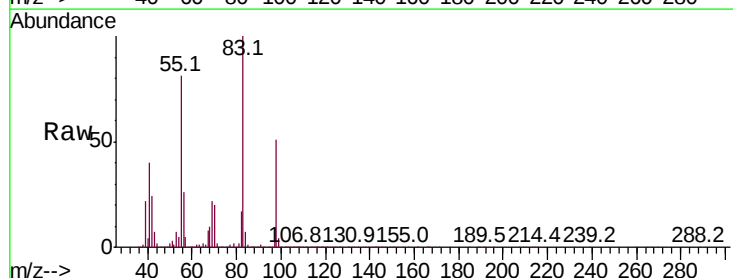
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV33

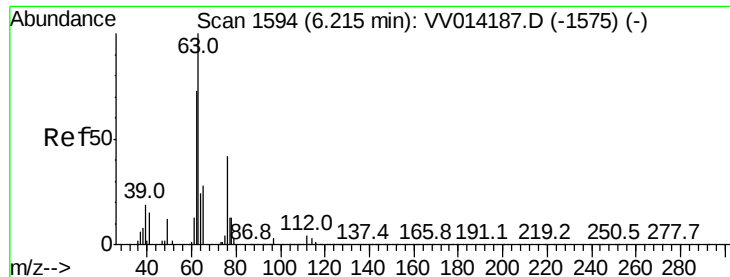
Tot Ion:	95	Resp:	275320
Ion	Ratio	Lower	Upper
95	100		
97	63.1	43.8	81.3
132	90.9	63.4	117.8
130	98.5	65.7	122.1



#35
 Methylcyclohexane
 Concen: 4.508 ug/L
 RT: 6.17 min Scan# 1580
 Delta R.T. -0.00 min
 Lab File: VV014190.D
 Acq: 27 Dec 2019 14:18

Tgt Ion:	83	Resp:	452461
Ion	Ratio	Lower	Upper
83	100		
55	77.9	61.7	92.5
98	49.5	38.1	57.1

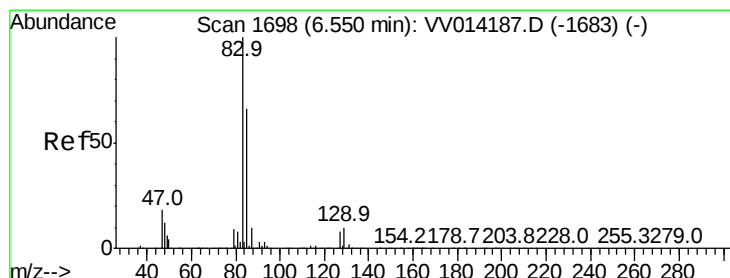
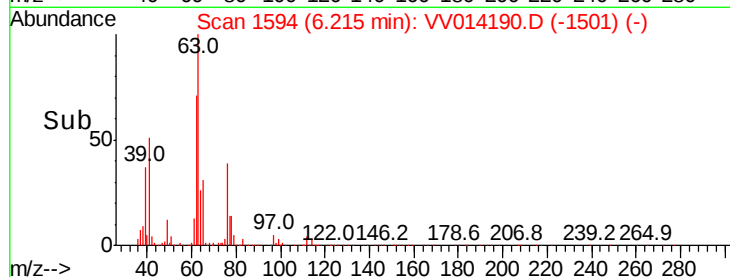
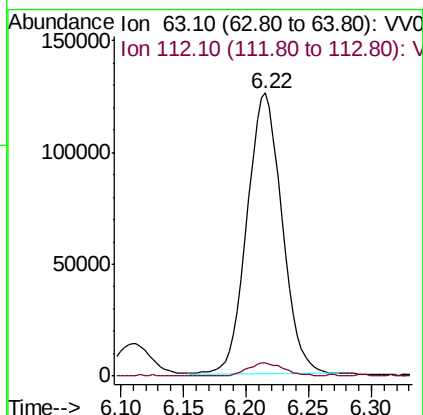
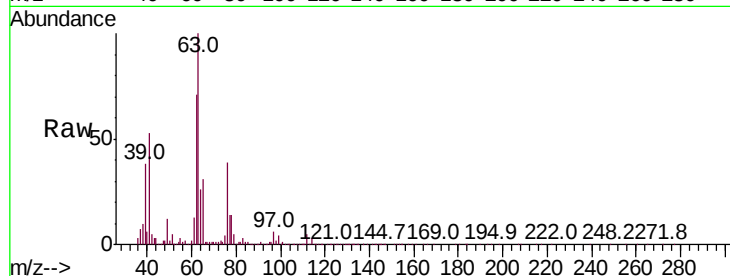




#37
 1,2-Dichloropropane
 Concen: 4.479 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. -0.00 min
 Lab File: VV014190.D
 Acq: 27 Dec 2019 14:18

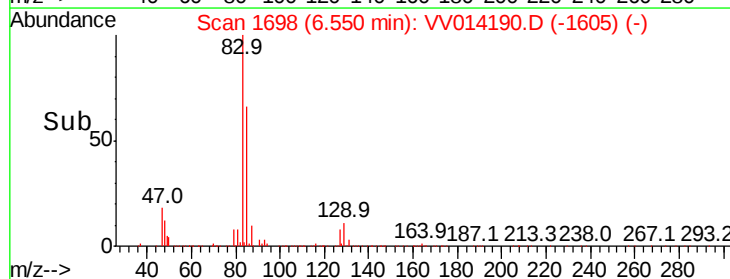
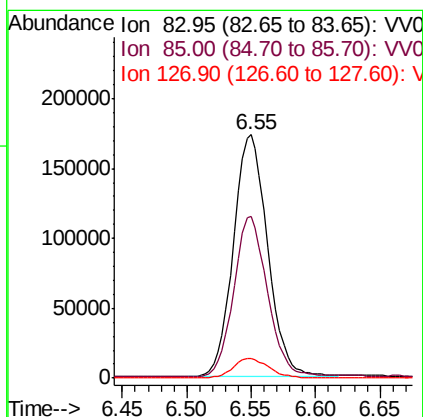
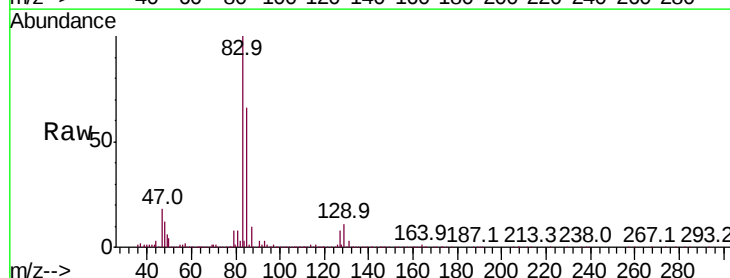
Instrument :
 MSVOA_V
 ClientSampled :
 VICV33

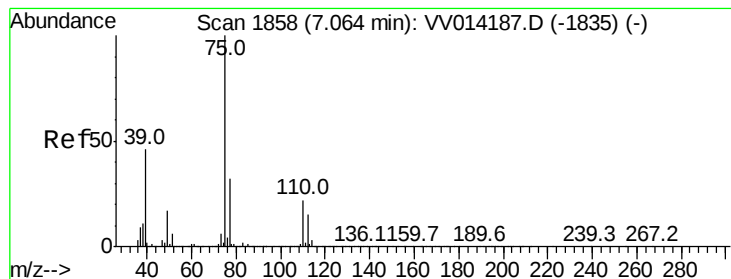
Tot Ion: 63 Resp: 244659
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.7 5.5



#38
 Bromodichloromethane
 Concen: 4.408 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VV014190.D
 Acq: 27 Dec 2019 14:18

Tgt Ion: 83 Resp: 321287
 Ion Ratio Lower Upper
 83 100
 85 66.3 46.4 86.2
 127 8.1 6.3 9.5



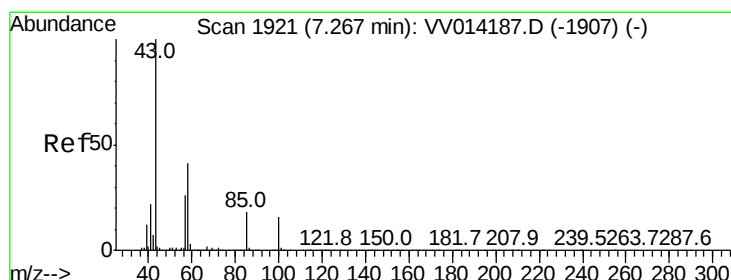
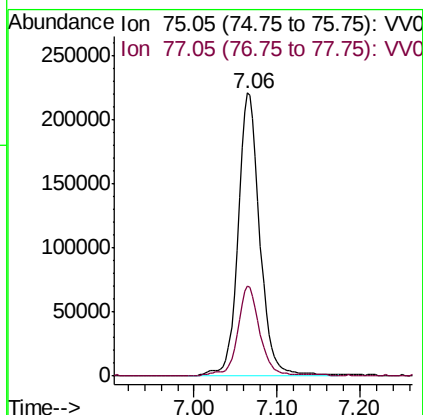
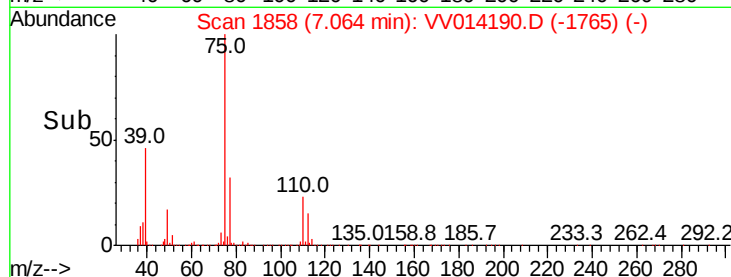
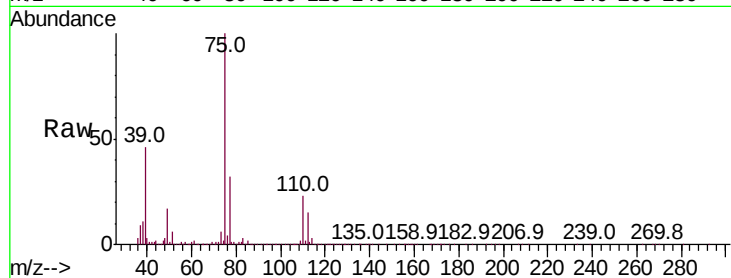


#39

cis-1,3-Dichloropropene
Concen: 4.528 ug/L
RT: 7.06 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VV014190.D
Acq: 27 Dec 2019 14:18

Instrument :
MSVOA_V
ClientSampleId :
VICV33

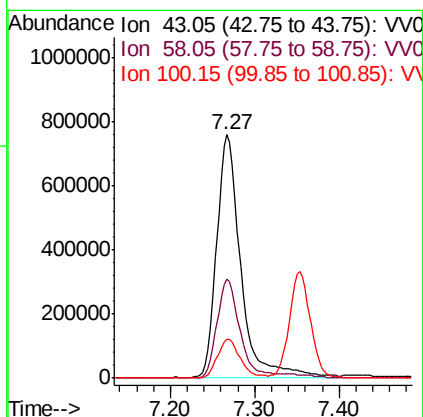
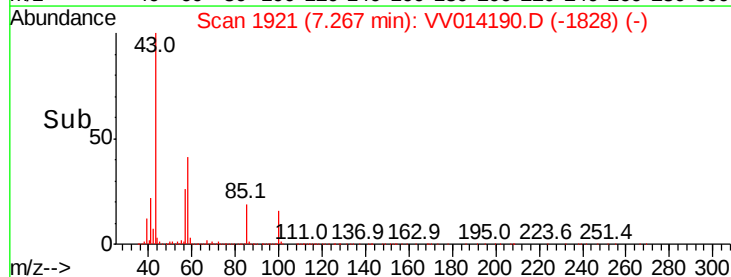
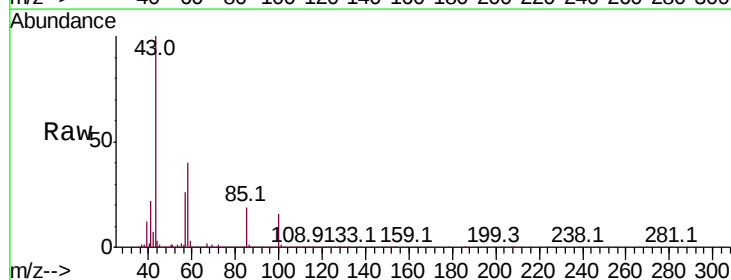
Tot Ion: 75 Resp: 404705
Ion Ratio Lower Upper
75 100
77 32.0 22.4 41.6

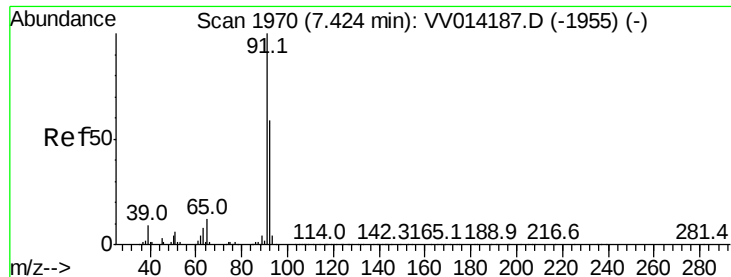


#40

4-Methyl-2-pentanone
Concen: 43.969 ug/L
RT: 7.27 min Scan# 1921
Delta R.T. -0.00 min
Lab File: VV014190.D
Acq: 27 Dec 2019 14:18

Tgt Ion: 43 Resp: 1493852
Ion Ratio Lower Upper
43 100
58 39.1 31.5 47.3
100 15.4 12.2 18.2





#42

Toluene

Concen: 4.403 ug/L

RT: 7.42 min Scan# 1970

Delta R.T. -0.00 min

Lab File: VV014190.D

Acq: 27 Dec 2019 14:18

Instrument :

MSVOA_V

ClientSampled :

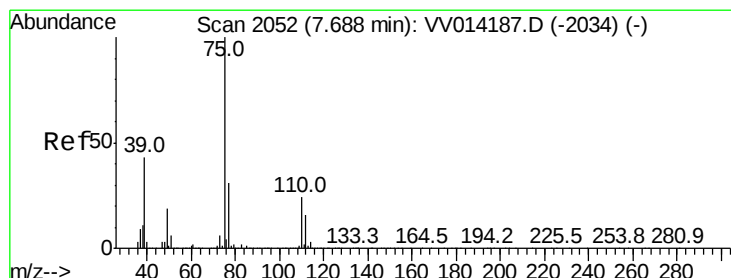
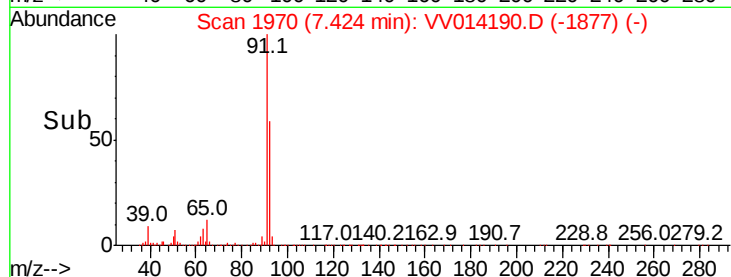
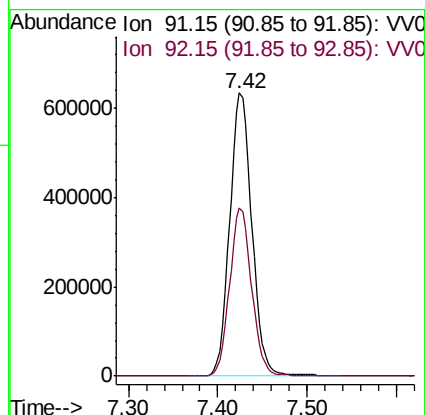
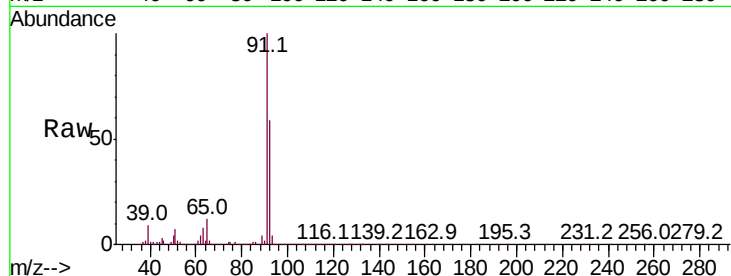
VICV33

Tot Ion: 91 Resp: 1087349

Ion Ratio Lower Upper

91 100

92 59.4 41.2 76.6



#44

trans-1,3-Dichloropropene

Concen: 4.426 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. -0.00 min

Lab File: VV014190.D

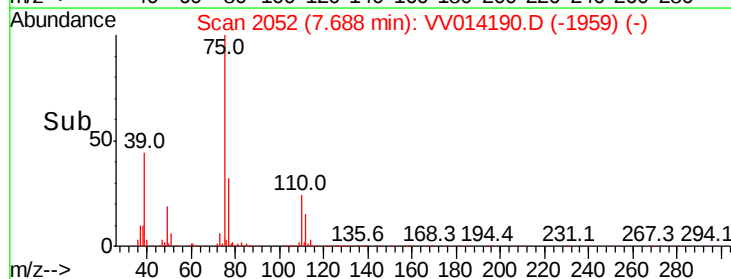
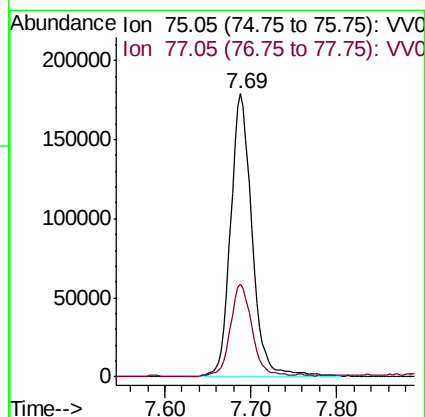
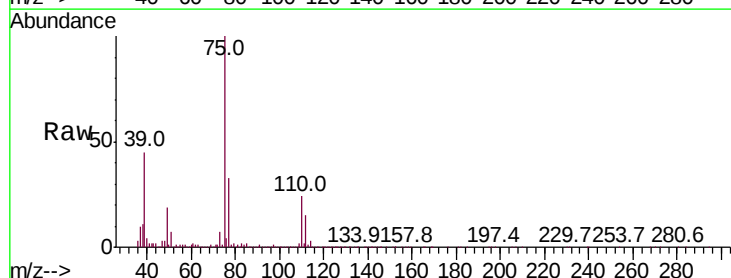
Acq: 27 Dec 2019 14:18

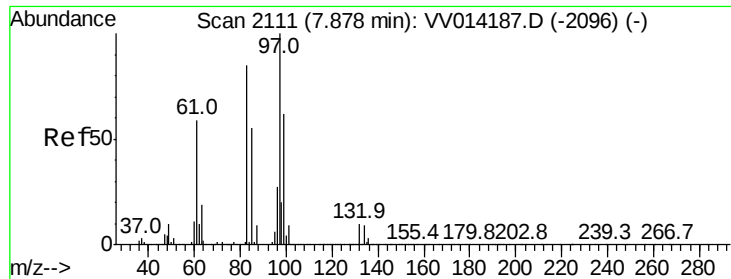
Tgt Ion: 75 Resp: 309414

Ion Ratio Lower Upper

75 100

77 32.6 22.0 41.0

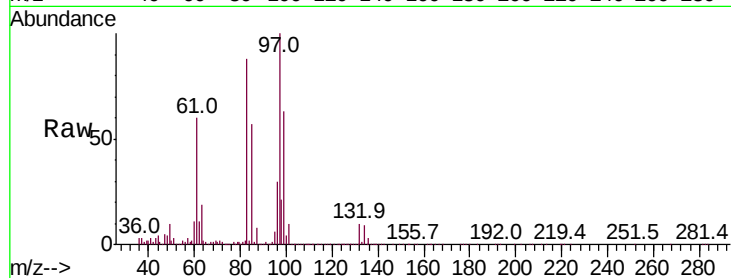




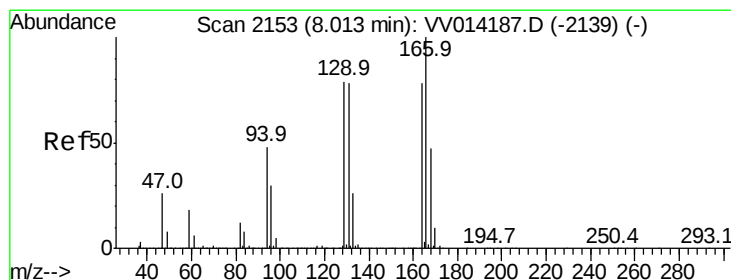
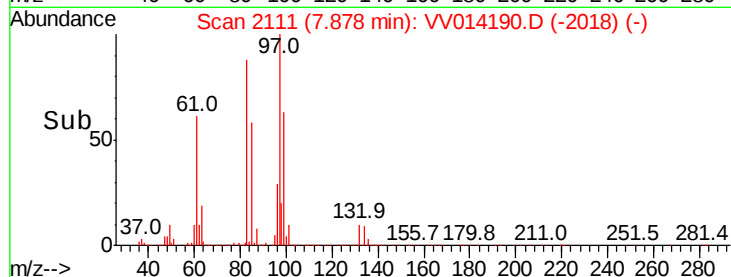
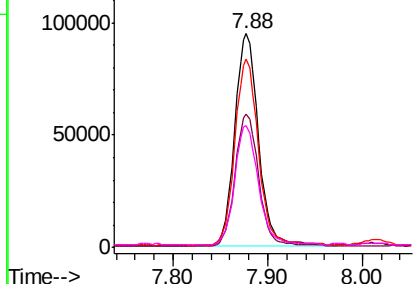
#45
 1,1,2-Trichloroethane
 Concen: 4.441 ug/L
 RT: 7.88 min Scan# 2111
 Delta R.T. -0.00 min
 Lab File: VV014190.D
 Acq: 27 Dec 2019 14:18

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV33

Tot Ion:	97	Resp:	165447
Ion	Ratio	Lower	Upper
97	100		
99	62.6	43.7	81.1
83	88.4	60.0	111.4
85	57.1	39.2	72.8

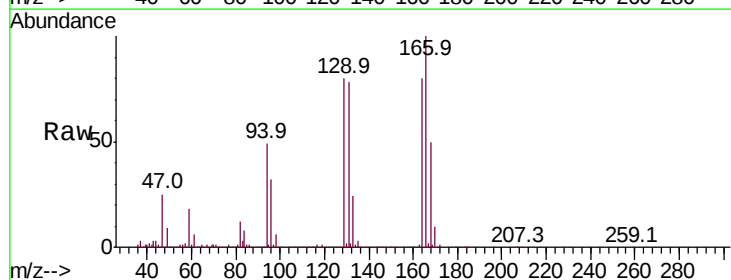


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

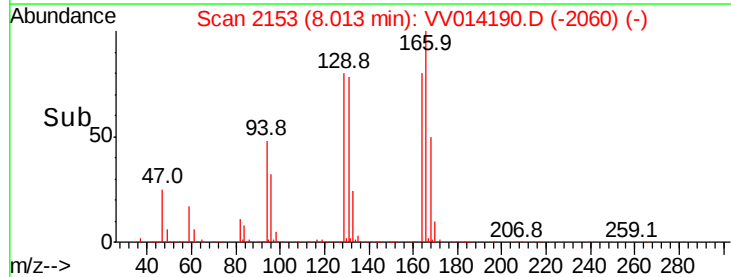
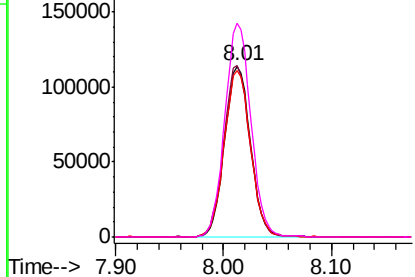


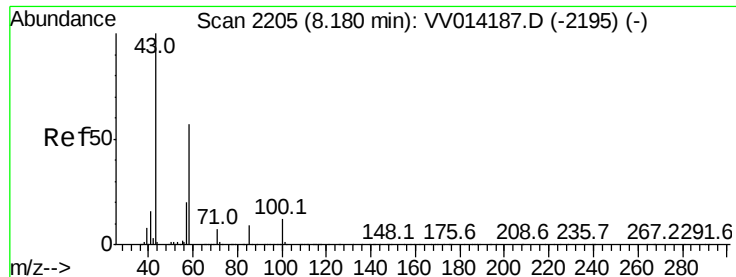
#47
 Tetrachloroethene
 Concen: 4.531 ug/L
 RT: 8.01 min Scan# 2153
 Delta R.T. -0.00 min
 Lab File: VV014190.D
 Acq: 27 Dec 2019 14:18

Tgt Ion:	164	Resp:	190793
Ion	Ratio	Lower	Upper
164	100		
129	100.7	71.7	133.3
131	98.0	70.4	130.8
166	125.4	90.3	167.7



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

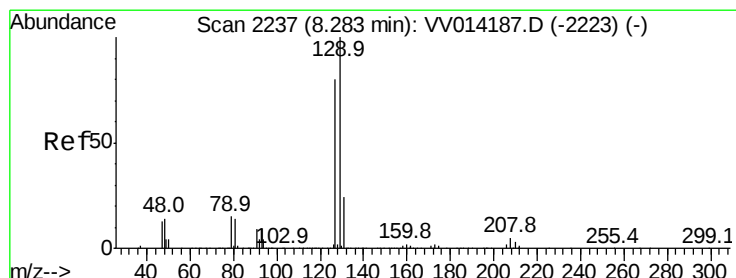
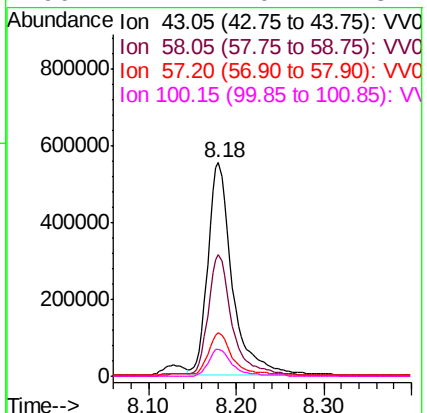
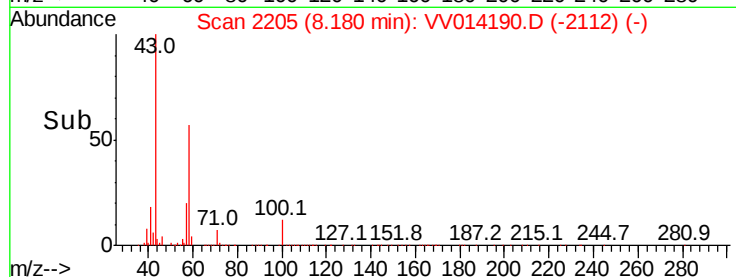
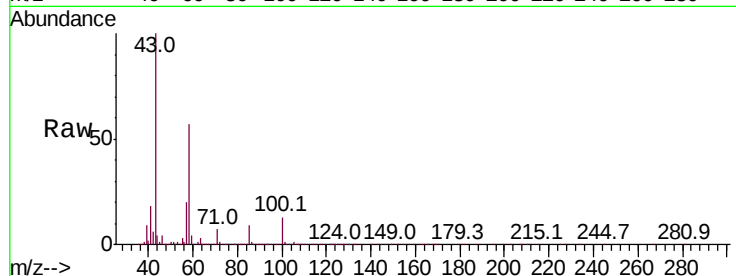




#48
2-Hexanone
Concen: 45.461 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. -0.00 min
Lab File: VV014190.D
Acq: 27 Dec 2019 14:18

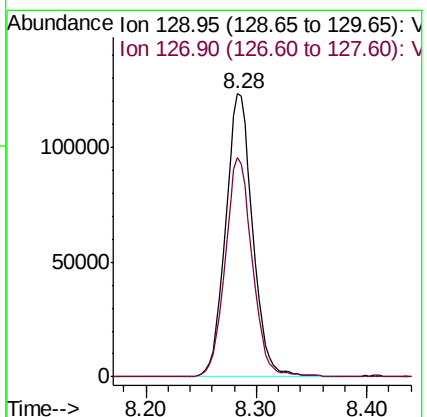
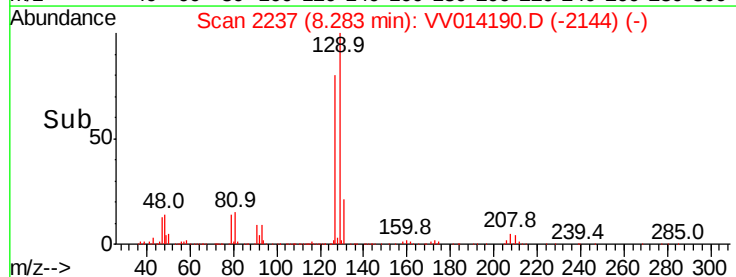
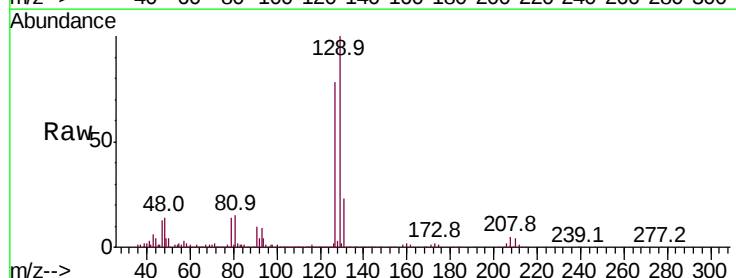
Instrument :
MSVOA_V
ClientSampleId :
VICV33

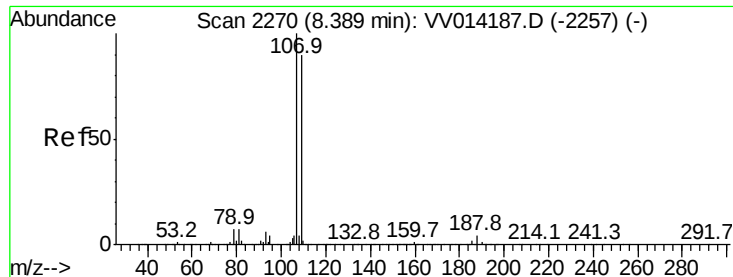
Tot Ion: 43 Resp: 1068150
Ion Ratio Lower Upper
43 100
58 57.3 45.4 68.0
57 19.4 15.8 23.8
100 12.7 10.2 15.4



#49
Dibromochloromethane
Concen: 4.389 ug/L
RT: 8.28 min Scan# 2237
Delta R.T. -0.00 min
Lab File: VV014190.D
Acq: 27 Dec 2019 14:18

Tgt Ion: 129 Resp: 208543
Ion Ratio Lower Upper
129 100
127 77.7 55.7 103.5

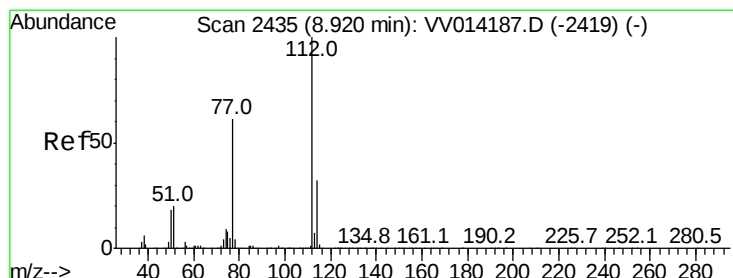
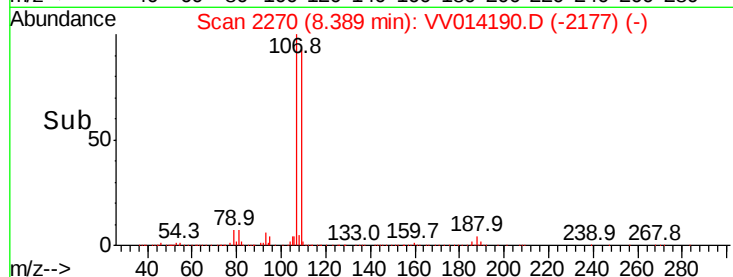
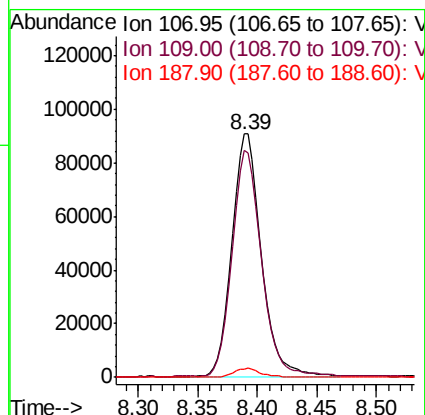
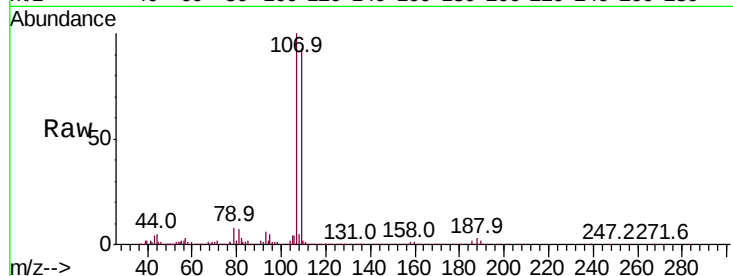




#50
 1,2-Dibromoethane
 Concen: 4.333 ug/L
 RT: 8.39 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VV014190.D
 Acq: 27 Dec 2019 14:18

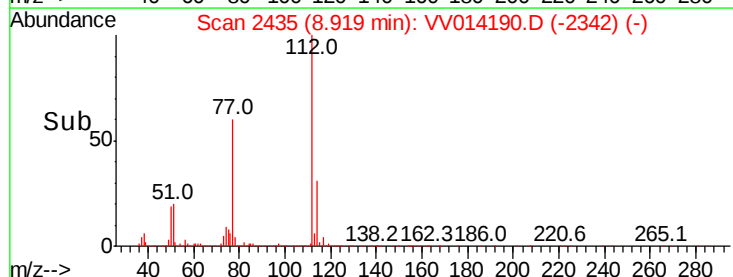
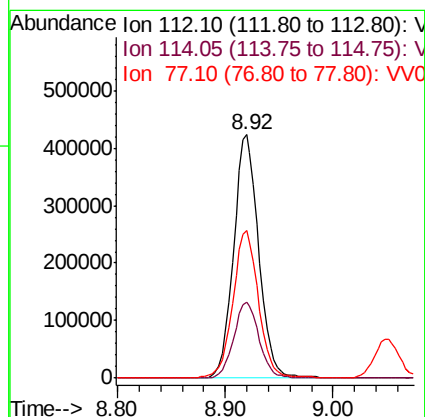
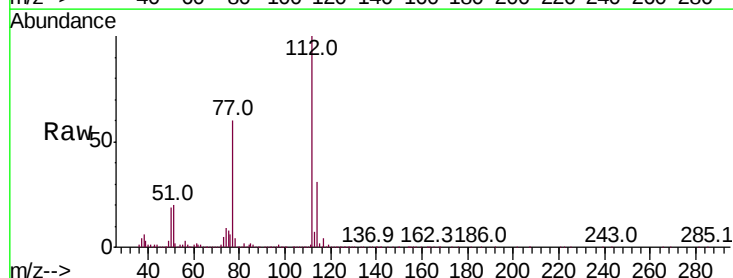
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV33

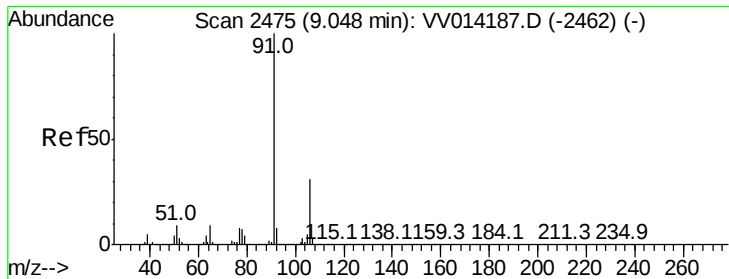
Tot Ion:	107	Resp:	155128
Ion	Ratio	Lower	Upper
107	100		
109	93.1	63.0	117.0
188	3.5	3.0	4.4



#51
 Chlorobenzene
 Concen: 4.480 ug/L
 RT: 8.92 min Scan# 2435
 Delta R.T. -0.00 min
 Lab File: VV014190.D
 Acq: 27 Dec 2019 14:18

Tgt Ion:	112	Resp:	684383
Ion	Ratio	Lower	Upper
112	100		
114	31.4	22.5	41.7
77	60.4	49.3	73.9





#52

Ethylbenzene

Concen: 4.511 ug/L

RT: 9.05 min Scan# 2475

Delta R.T. -0.00 min

Lab File: VV014190.D

Acq: 27 Dec 2019 14:18

Instrument :

MSVOA_V

ClientSampleId :

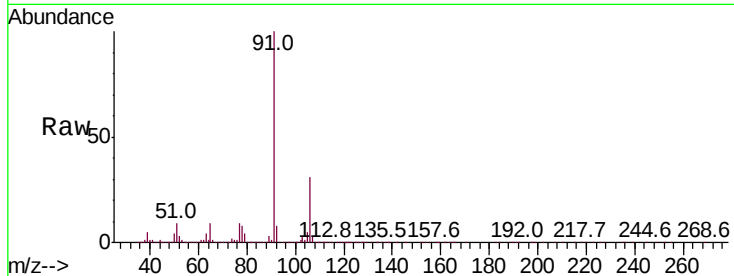
VICV33

Tot Ion: 91 Resp: 1237012

Ion Ratio Lower Upper

91 100

106 30.9 21.6 40.0



Abundance Ion 91.15 (90.85 to 91.85): VV014190.D (-2382) (-)

Ion 106.15 (105.85 to 106.85): VV014190.D (-2382) (-)

9.05

800000

600000

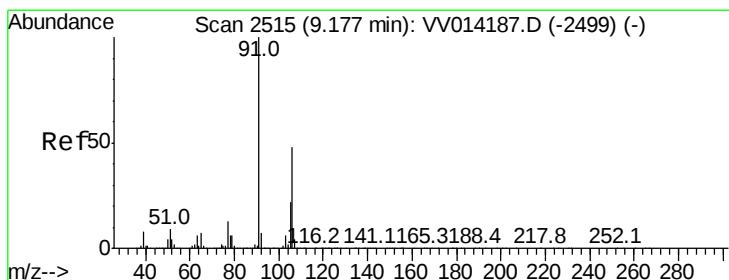
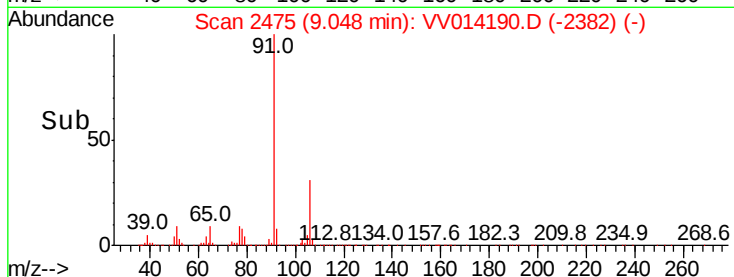
400000

200000

0

9.00 9.10

Time-->



#53

m,p-xylene

Concen: 4.534 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV014190.D

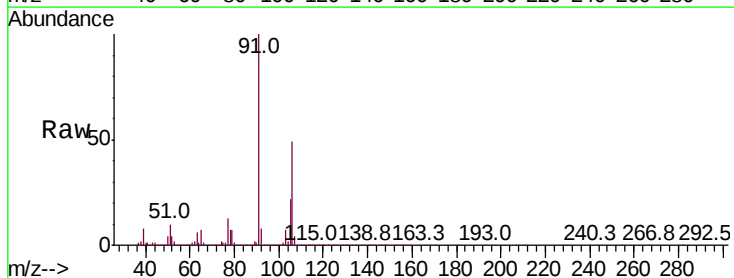
Acq: 27 Dec 2019 14:18

Tgt Ion: 106 Resp: 467271

Ion Ratio Lower Upper

106 100

91 202.1 146.8 272.6



Abundance Ion 106.15 (105.85 to 106.85): VV014190.D (-2422) (-)

Ion 91.15 (90.85 to 91.85): VV014190.D (-2422) (-)

9.18

600000

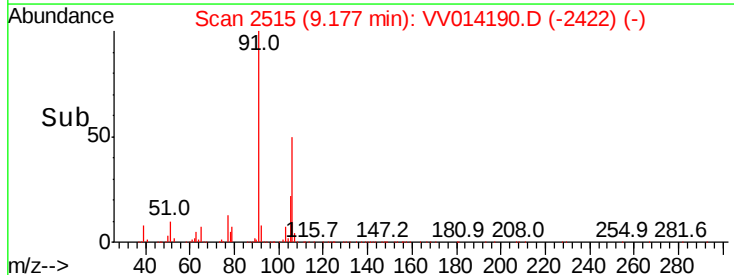
400000

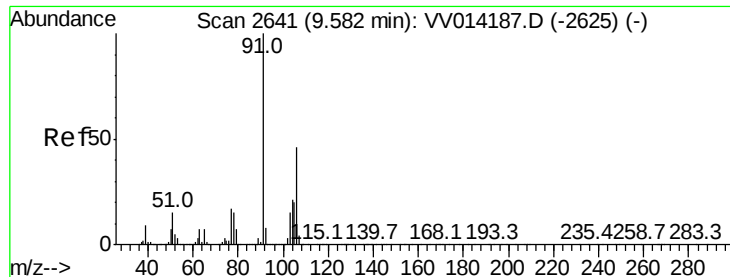
200000

0

9.10 9.15 9.20 9.25

Time-->





#54

o-xylene

Concen: 4.454 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV014190.D

Acq: 27 Dec 2019 14:18

Instrument :

MSVOA_V

ClientSampleId :

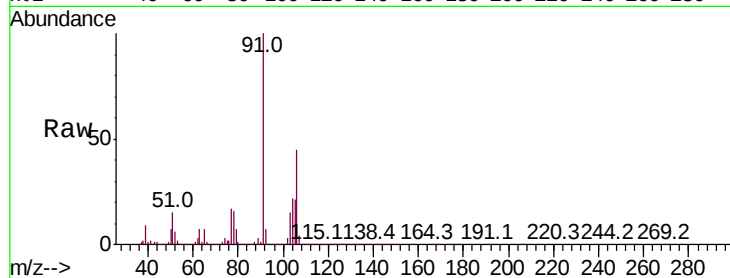
VICV33

Tot Ion:106 Resp: 448251

Ion Ratio Lower Upper

106 100

91 221.0 150.9 280.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0

600000

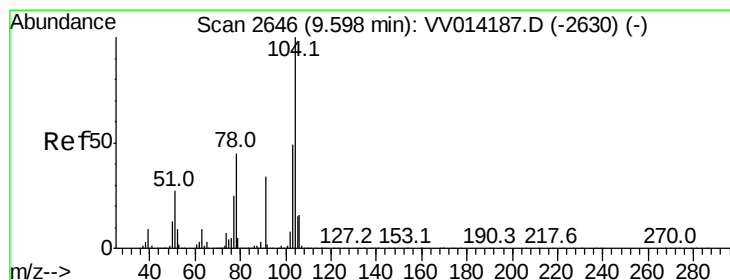
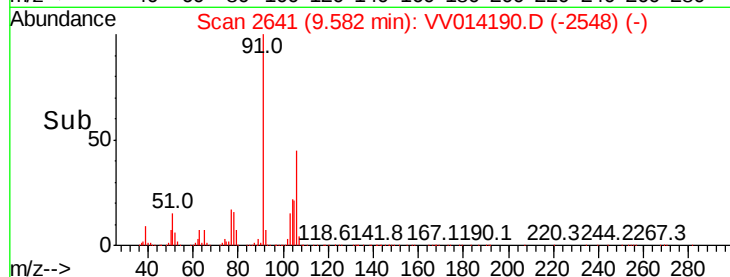
400000

200000

0

9.58

Time-->



#55

Styrene

Concen: 4.492 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. -0.00 min

Lab File: VV014190.D

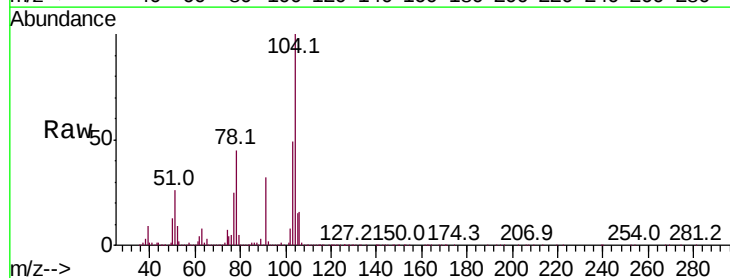
Acq: 27 Dec 2019 14:18

Tgt Ion:104 Resp: 758766

Ion Ratio Lower Upper

104 100

78 45.1 31.7 58.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0

500000

400000

300000

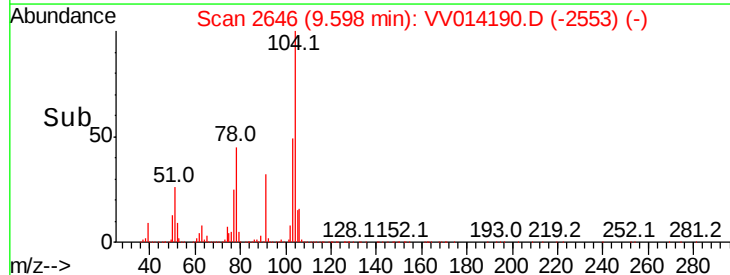
200000

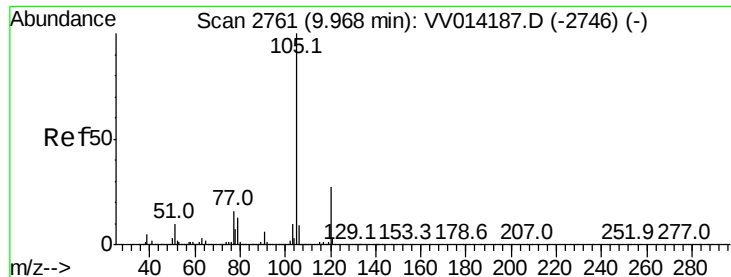
100000

0

9.60

Time-->





#56

Isopropylbenzene

Concen: 4.527 ug/L

RT: 9.97 min Scan# 2761

Delta R.T. -0.00 min

Lab File: VV014190.D

Acq: 27 Dec 2019 14:18

Instrument :

MSVOA_V

ClientSampleId :

VICV33

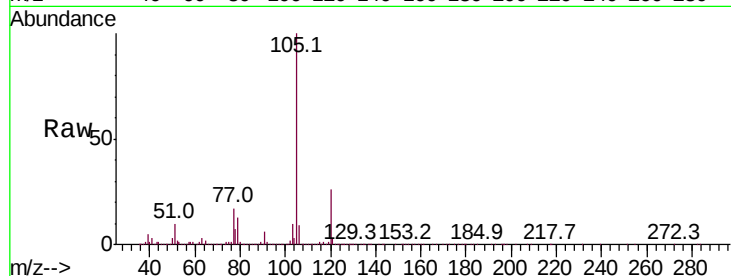
Tot Ion:105 Resp: 1194739

Ion Ratio Lower Upper

105 100

120 26.2 21.0 31.4

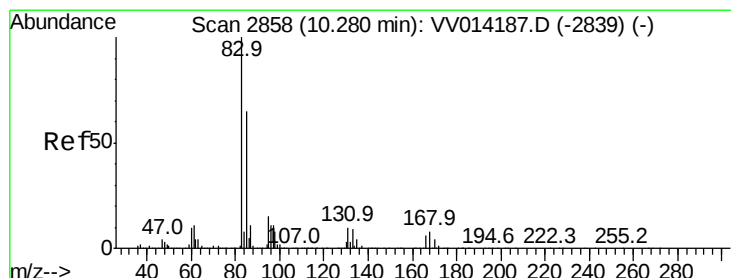
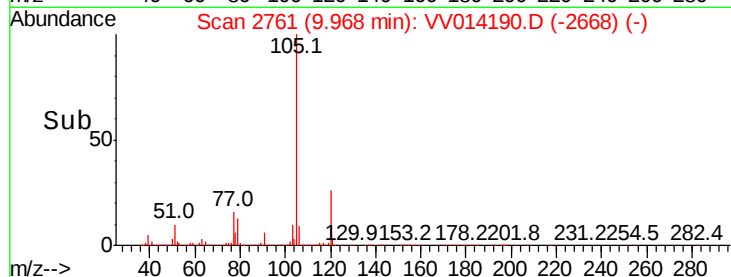
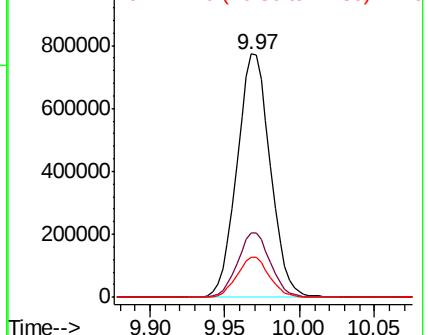
77 15.9 12.5 18.7



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: 4.333 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. -0.00 min

Lab File: VV014190.D

Acq: 27 Dec 2019 14:18

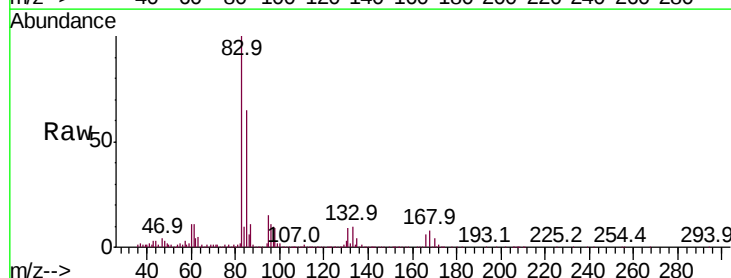
Tgt Ion: 83 Resp: 194630

Ion Ratio Lower Upper

83 100

85 65.2 45.9 85.3

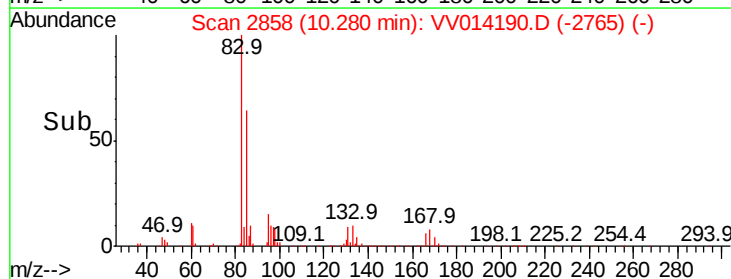
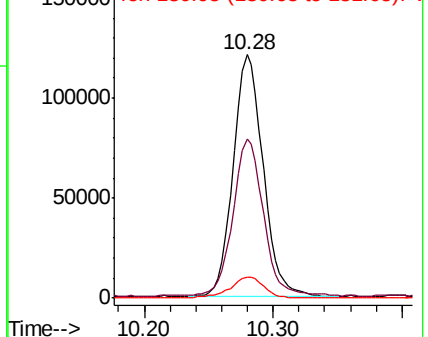
131 8.7 7.8 11.8

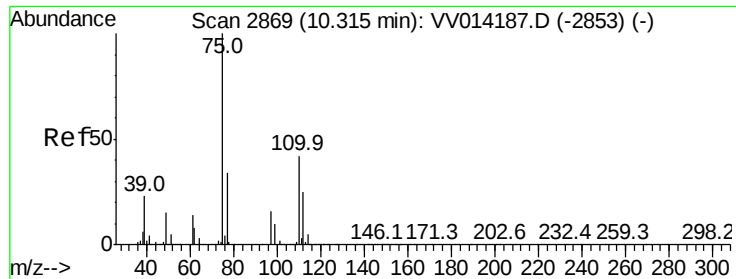


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.372 ug/L

RT: 10.31 min Scan# 2869

Delta R.T. -0.00 min

Lab File: VV014190.D

Acq: 27 Dec 2019 14:18

Instrument :

MSVOA_V

ClientSampleId :

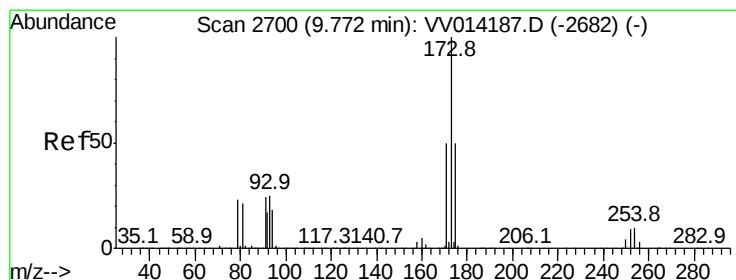
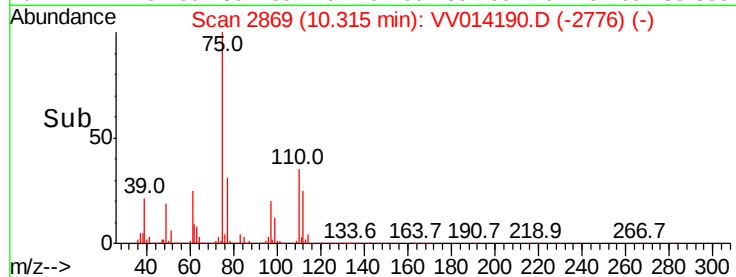
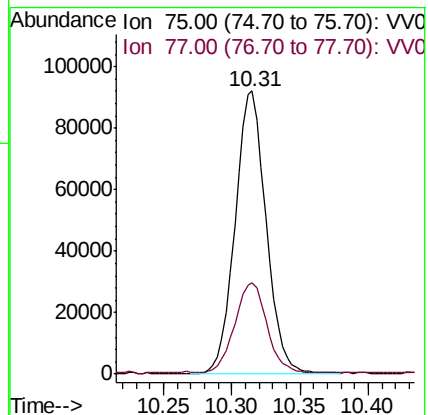
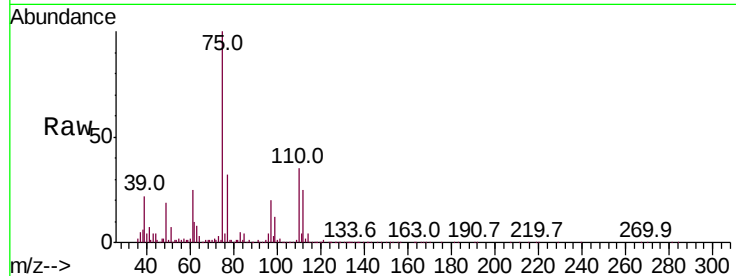
VICV33

Tot Ion: 75 Resp: 145964

Ion Ratio Lower Upper

75 100

77 32.5 25.7 38.5



#61

Bromoform

Concen: 4.361 ug/L

RT: 9.77 min Scan# 2699

Delta R.T. -0.00 min

Lab File: VV014190.D

Acq: 27 Dec 2019 14:18

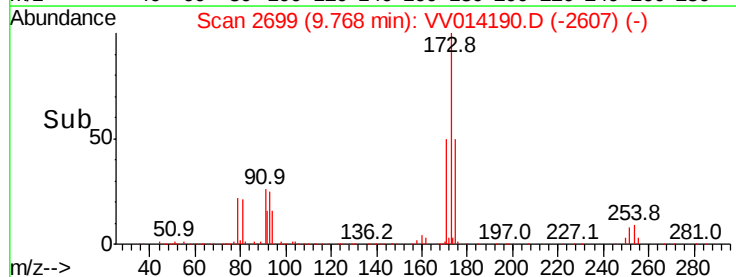
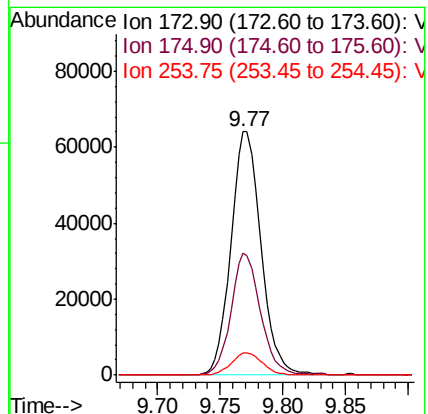
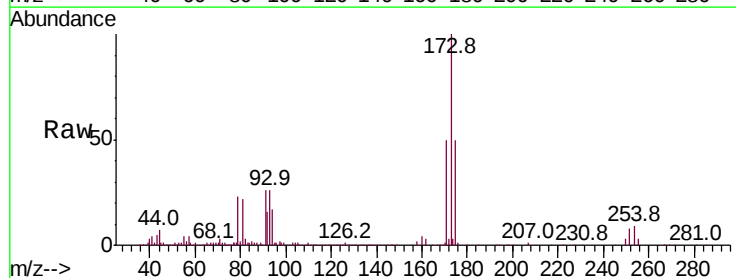
Tgt Ion: 173 Resp: 106950

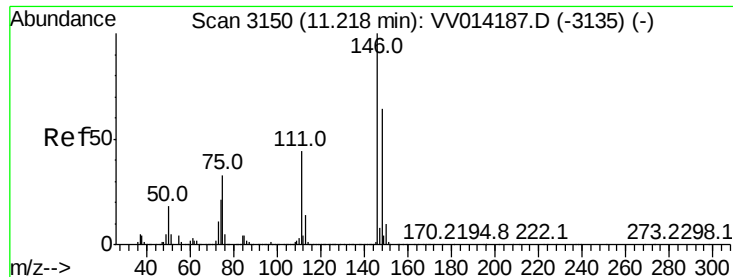
Ion Ratio Lower Upper

173 100

175 48.9 37.9 56.9

254 9.4 7.6 11.4





#62

1,3-Dichlorobenzene

Concen: 4.688 ug/L

RT: 11.22 min Scan# 3150

Delta R.T. -0.00 min

Lab File: VV014190.D

Acq: 27 Dec 2019 14:18

Instrument :

MSVOA_V

ClientSampled :

VICV33

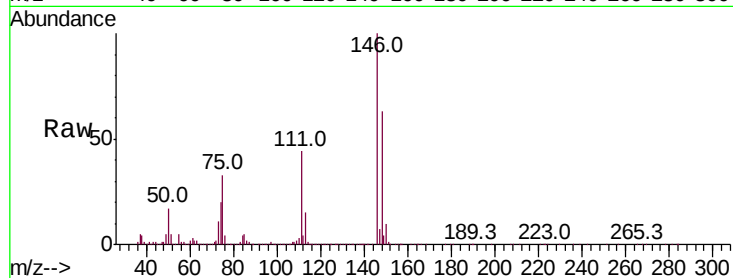
Tot Ion:146 Resp: 521397

Ion Ratio Lower Upper

146 100

111 43.8 30.7 57.1

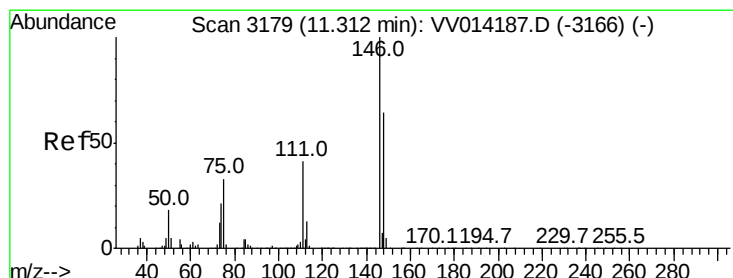
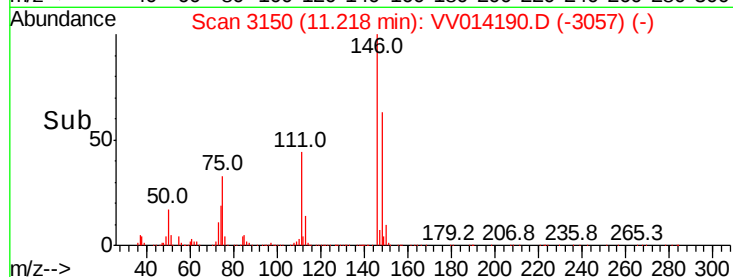
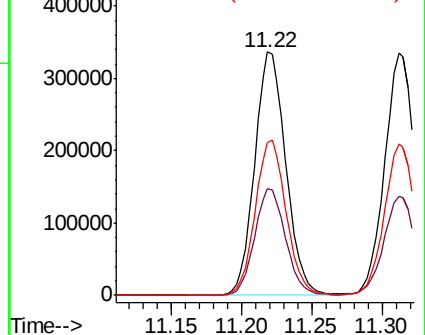
148 62.8 44.4 82.5



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: 4.641 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. -0.00 min

Lab File: VV014190.D

Acq: 27 Dec 2019 14:18

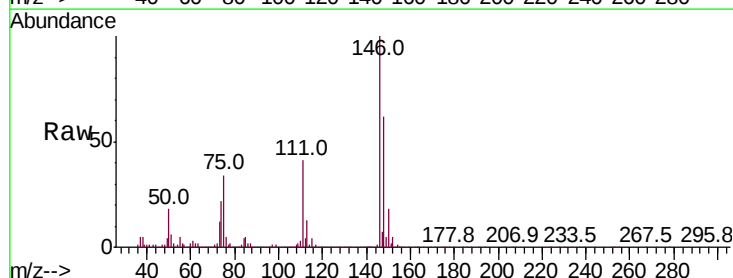
Tgt Ion:146 Resp: 515983

Ion Ratio Lower Upper

146 100

111 41.0 28.8 53.4

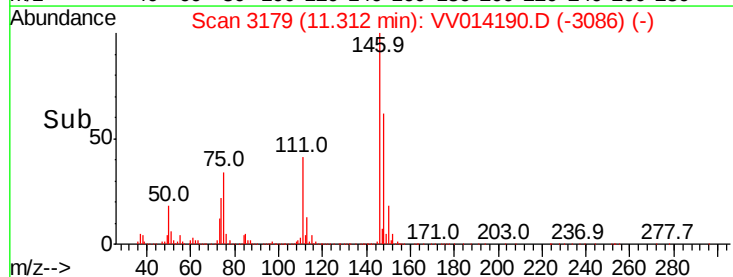
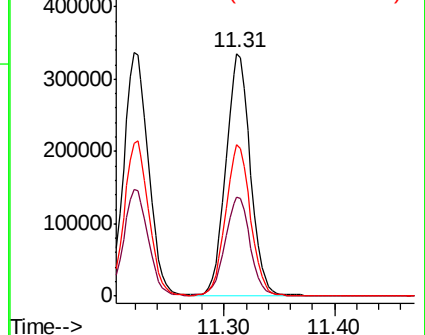
148 62.3 44.5 82.7

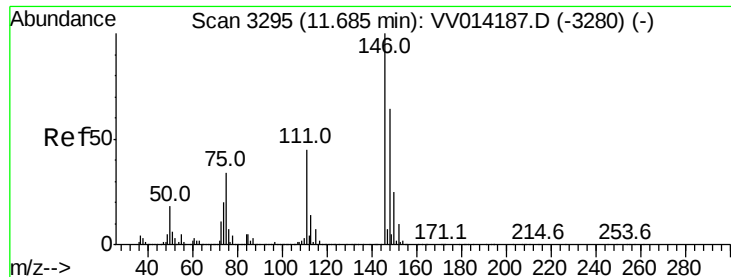


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.606 ug/L

RT: 11.68 min Scan# 3295

Delta R.T. -0.00 min

Lab File: VV014190.D

Acq: 27 Dec 2019 14:18

Instrument :

MSVOA_V

ClientSampleId :

VICV33

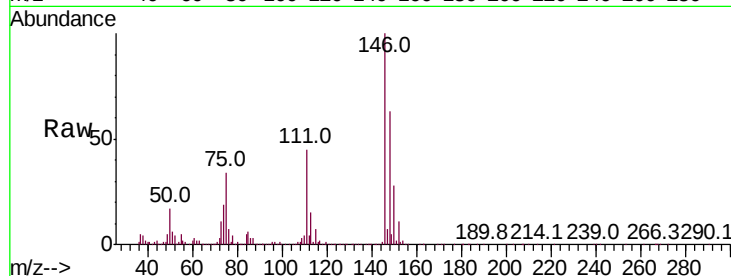
Tot Ion:146 Resp: 469579

Ion Ratio Lower Upper

146 100

111 44.7 36.4 54.6

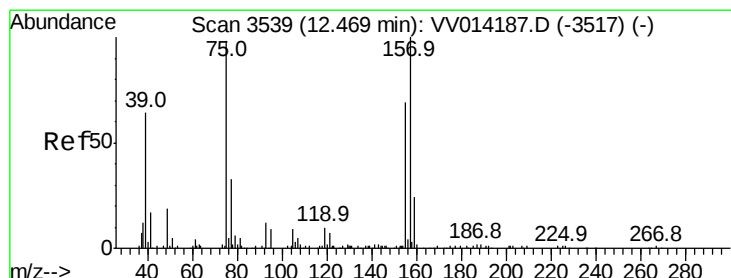
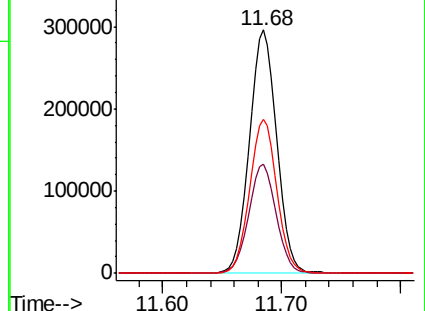
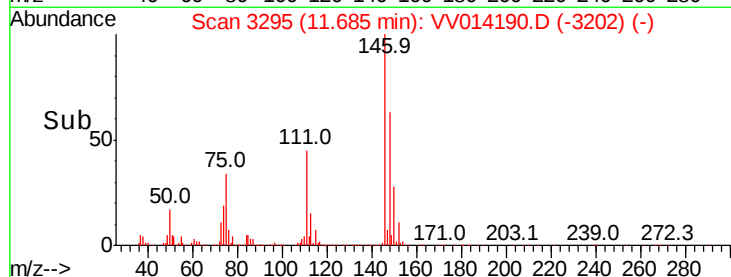
148 63.4 51.3 76.9



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.139 ug/L

RT: 12.47 min Scan# 3540

Delta R.T. 0.00 min

Lab File: VV014190.D

Acq: 27 Dec 2019 14:18

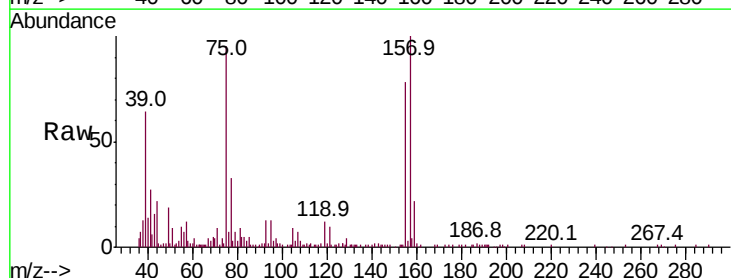
Tgt Ion: 75 Resp: 34756

Ion Ratio Lower Upper

75 100

155 82.0 56.9 85.3

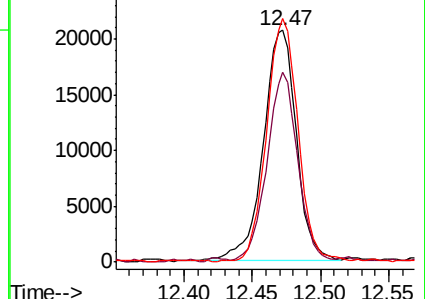
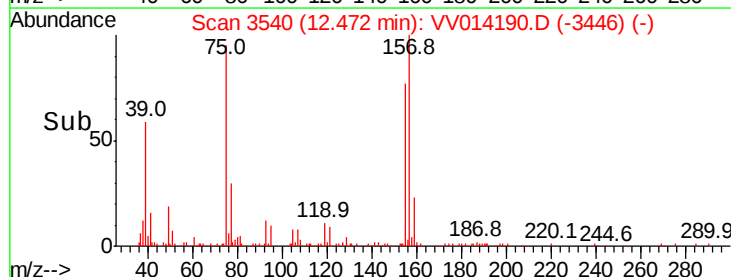
157 105.1 82.0 123.0

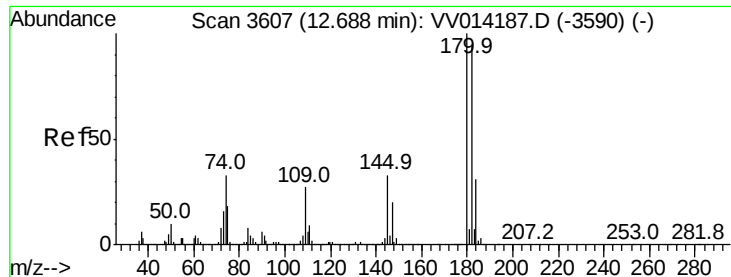


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

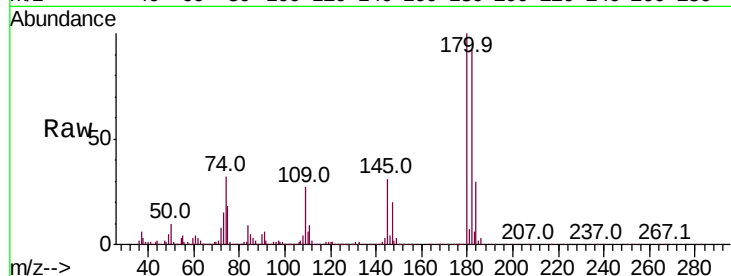




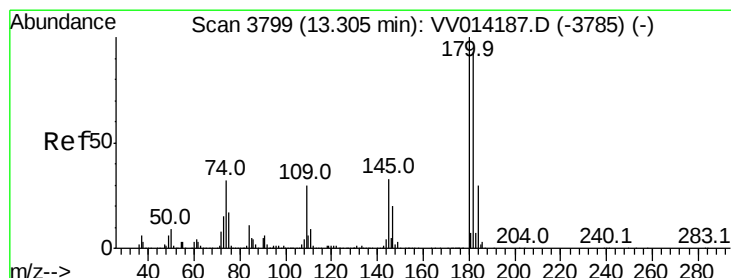
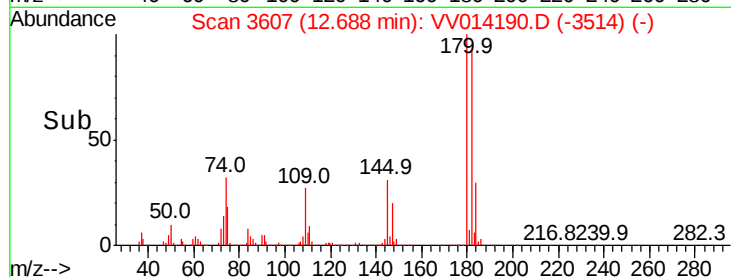
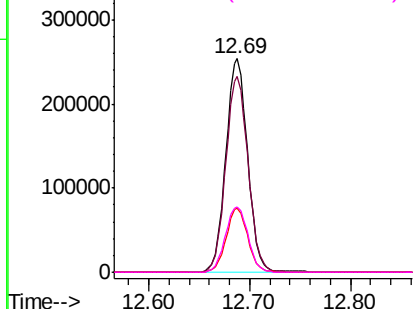
#67
 1,3,5-Trichlorobenzene
 Concen: 4.765 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VV014190.D
 Acq: 27 Dec 2019 14:18

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV33

Tot Ion:	180	Resp:	385888
Ion	Ratio	Lower	Upper
180	100		
182	93.3	77.2	115.8
184	29.7	24.6	36.8
145	31.6	26.9	40.3

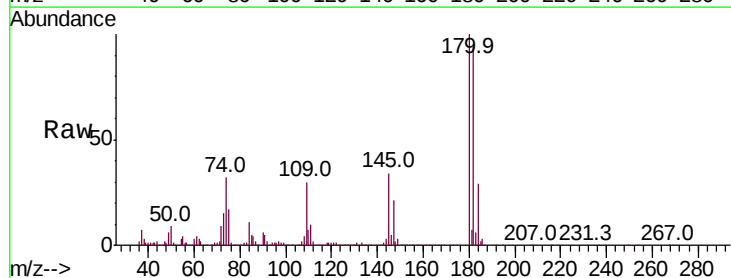


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

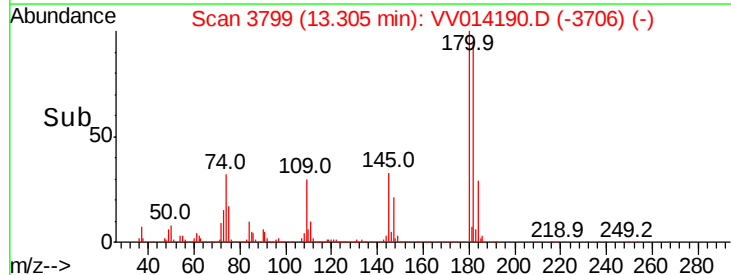
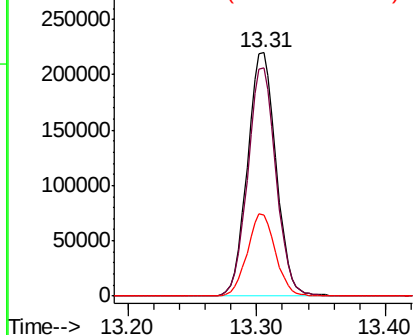


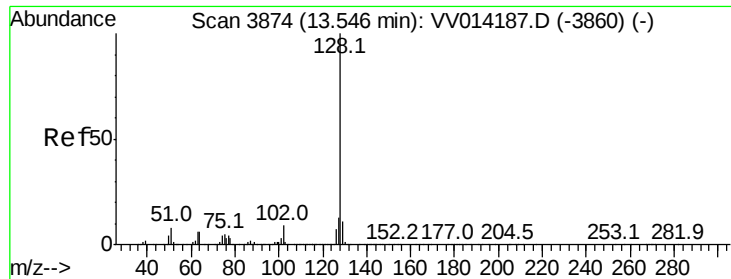
#68
 1,2,4-trichlorobenzene
 Concen: 4.781 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. -0.00 min
 Lab File: VV014190.D
 Acq: 27 Dec 2019 14:18

Tgt Ion:	180	Resp:	339607
Ion	Ratio	Lower	Upper
180	100		
182	92.8	75.2	112.8
145	33.0	26.2	39.4



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: 4.962 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. -0.00 min

Lab File: VV014190.D

Acq: 27 Dec 2019 14:18

Instrument :

MSVOA_V

ClientSampled :

VICV33

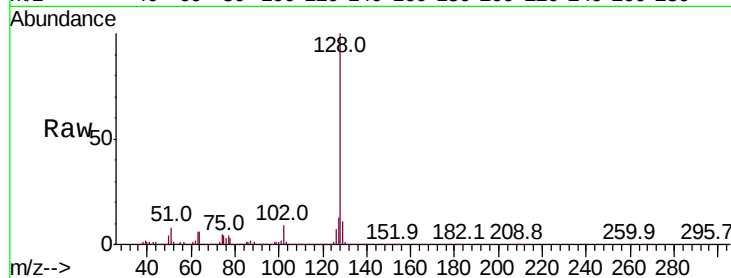
Tot Ion:128 Resp: 641961

Ion Ratio Lower Upper

128 100

129 10.8 8.6 13.0

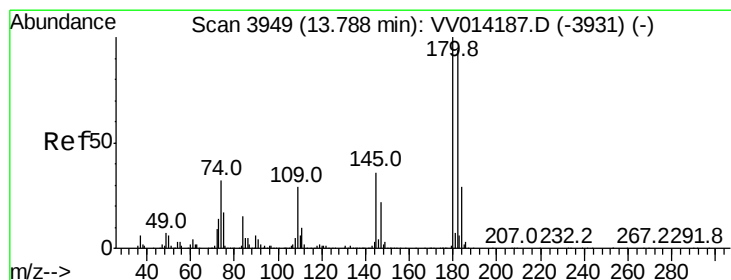
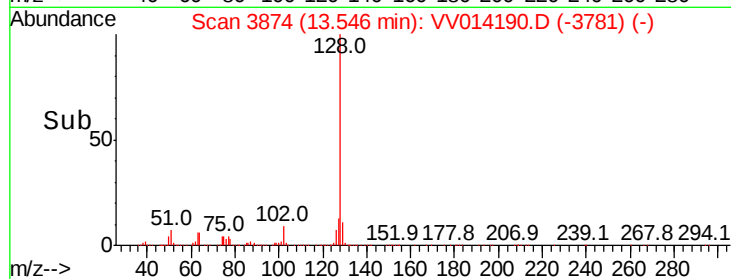
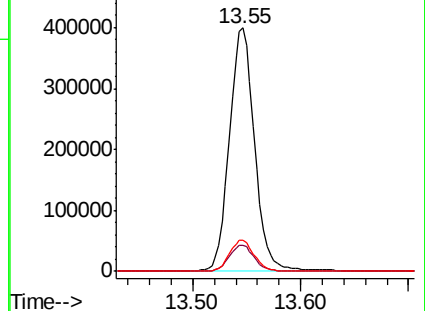
127 12.8 10.2 15.2



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: 4.812 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. -0.00 min

Lab File: VV014190.D

Acq: 27 Dec 2019 14:18

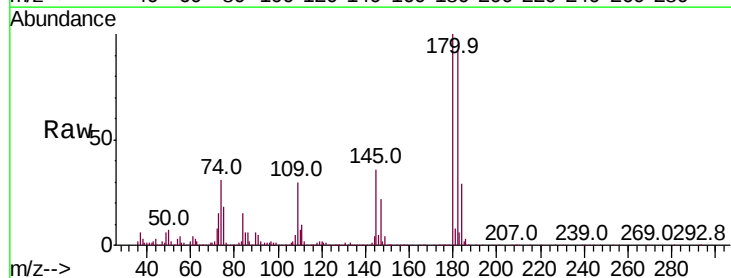
Tgt Ion:180 Resp: 298375

Ion Ratio Lower Upper

180 100

182 91.9 74.8 112.2

145 35.6 29.0 43.6



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

