

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121119\
 Data File : VV014024.D
 Acq On : 11 Dec 2019 20:46
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 12 03:05:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM120219WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 12 03:01:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	724262	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	615742	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	324894	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	205721	49.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.22%
7) Chloroethane-d5	1.55	69	188876	43.20	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.40%
11) 1,1-Dichloroethene-d2	2.12	63	391826	42.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.60%
21) 2-Butanone-d5	3.92	46	253389	85.94	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	85.94%
24) Chloroform-d	4.40	84	404309	45.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.92%
26) 1,2-Dichloroethane-d4	5.07	65	243261	43.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.28%
32) Benzene-d6	5.09	84	800351	50.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.32%
36) 1,2-Dichloropropane-d6	6.11	67	244892	51.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.26%
41) Toluene-d8	7.35	98	684929	47.09	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.18%
43) trans-1,3-Dichloropropene-	7.66	79	103556	44.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.88%
47) 2-Hexanone-d5	8.13	63	137575	76.93	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	76.93%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	301517	43.48	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.96%
64) 1,2-Dichlorobenzene-d4	11.67	152	317208	49.71	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.42%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	214485	33.259	ug/L	98
3) Chloromethane	1.25	50	260500	44.184	ug/L	100
5) Vinyl chloride	1.32	62	290378	47.223	ug/L	98
6) Bromomethane	1.51	94	135756	36.516	ug/L	99
8) Chloroethane	1.58	64	175386	42.867	ug/L	98
9) Trichlorofluoromethane	1.75	101	394527	41.252	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	221151	40.600	ug/L	98
12) 1,1-Dichloroethene	2.13	96	215091	40.880	ug/L	94
13) Acetone	2.18	43	224360	51.928	ug/L	98
14) Carbon disulfide	2.31	76	500022	36.036	ug/L	100
15) Methyl Acetate	2.45	43	226701	42.575	ug/L	99
16) Methylene chloride	2.53	84	232449	42.424	ug/L	99
17) trans-1,2-Dichloroethene	2.78	96	210448	40.891	ug/L	98
18) Methyl tert-butyl Ether	2.80	73	666589	44.632	ug/L	99
19) 1,1-Dichloroethane	3.22	63	406656	43.857	ug/L	98
20) cis-1,2-Dichloroethene	3.95	96	240295	43.115	ug/L	98
22) 2-Butanone	4.01	43	317910	76.659	ug/L	98

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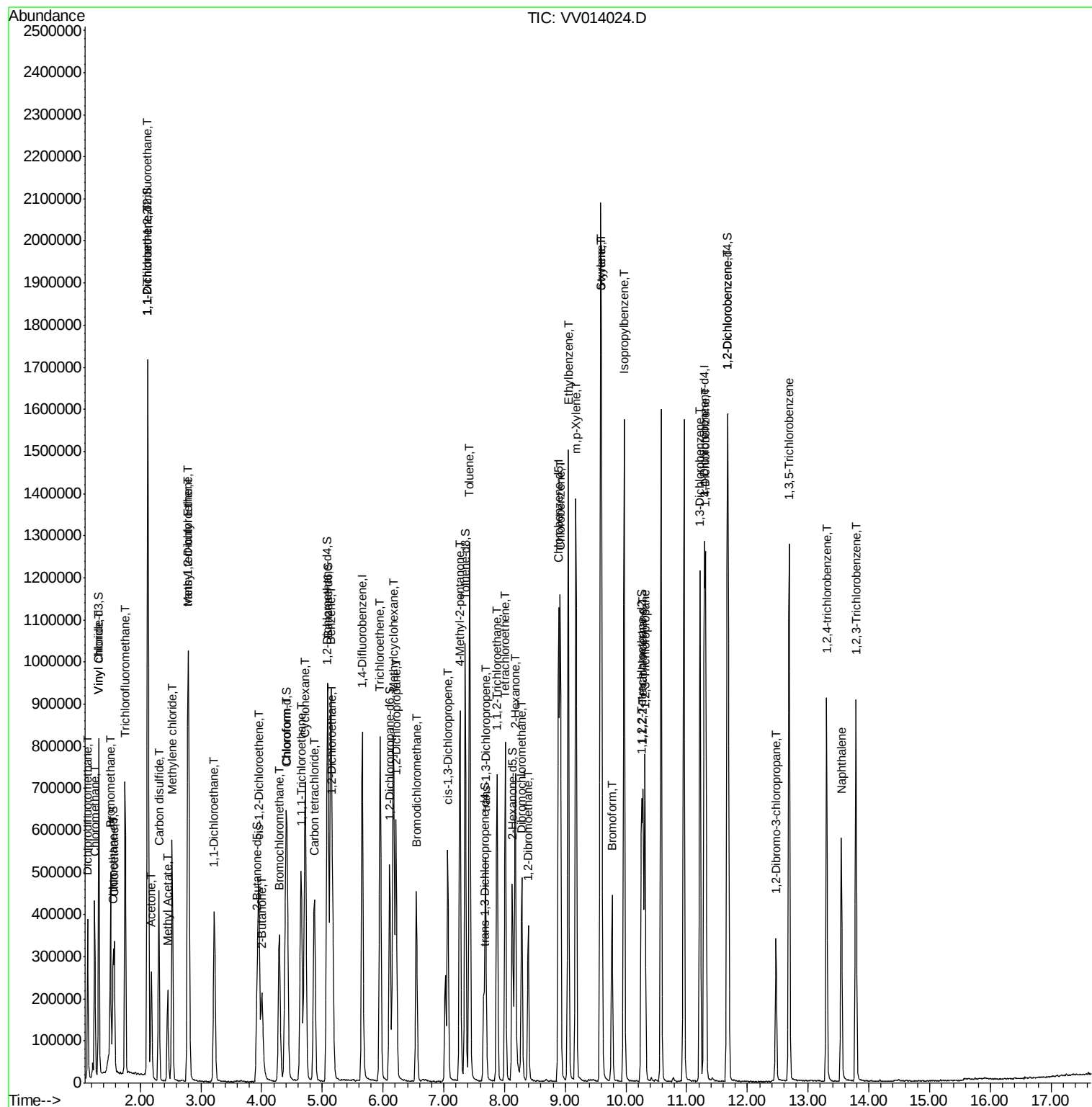
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	135076	43.867	uq/L	97
25) Chloroform	4.42	83	472133	47.630	uq/L	99
27) 1,2-Dichloroethane	5.17	62	316697	44.339	uq/L	99
29) Cyclohexane	4.72	56	379487	52.751	uq/L	98
30) 1,1,1-Trichloroethane	4.65	97	399246	53.710	uq/L	99
31) Carbon tetrachloride	4.87	117	323770	48.760	uq/L	99
33) Benzene	5.14	78	906416	49.431	uq/L	100
34) Trichloroethene	5.95	95	271445	55.193	uq/L	99
35) Methylcyclohexane	6.17	83	337811	45.779	uq/L	99
37) 1,2-Dichloropropane	6.22	63	236218	53.226	uq/L	99
38) Bromodichloromethane	6.55	83	304679	48.409	uq/L	100
39) cis-1,3-Dichloropropene	7.06	75	318208	45.545	uq/L	99
40) 4-Methyl-2-pentanone	7.26	43	565424	97.977	uq/L	99
42) Toluene	7.42	91	929163	49.111	uq/L	98
44) trans-1,3-Dichloropropene	7.69	75	286632	45.305	uq/L	98
45) 1,1,2-Trichloroethane	7.88	97	226185	51.345	uq/L	99
46) Tetrachloroethene	8.01	164	195302	44.007	uq/L	94
48) 2-Hexanone	8.18	43	436700	94.596	uq/L	97
49) Dibromochloromethane	8.29	129	251488	46.702	uq/L	100
50) 1,2-Dibromoethane	8.39	107	238241	49.094	uq/L	98
51) Chlorobenzene	8.92	112	617944	47.342	uq/L	99
52) Ethylbenzene	9.05	91	1016683	48.746	uq/L	99
53) m,p-Xylene	9.18	106	402967	49.962	uq/L	94
54) o-xylene	9.58	106	412906	52.359	uq/L	100
55) Styrene	9.60	104	693525	50.973	uq/L	98
56) Isopropylbenzene	9.97	105	1009362	47.618	uq/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	320573	44.701	uq/L	96
59) 1,2,3-Trichloropropane	10.32	75	299662	49.896	uq/L	100
61) Bromoform	9.77	173	206510	51.961	uq/L	98
62) 1,3-Dichlorobenzene	11.22	146	514230	48.237	uq/L	99
63) 1,4-Dichlorobenzene	11.31	146	494288	44.850	uq/L	98
65) 1,2-Dichlorobenzene	11.68	146	528144	49.527	uq/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	76553	51.655	uq/L	98
67) 1,3,5-Trichlorobenzene	12.69	180	429307	49.590	uq/L	100
68) 1,2,4-trichlorobenzene	13.31	180	296121	37.909	uq/L	99
69) Naphthalene	13.55	128	474812	23.150	uq/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	299862	36.707	uq/L	99

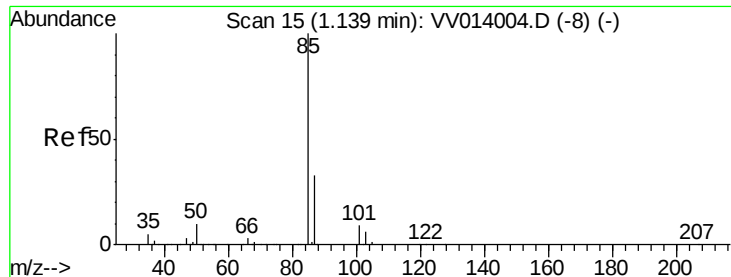
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#2

Dichlorodifluoromethane

Concen: 33.259 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV014024.D

Acq: 11 Dec 2019 20:46

Instrument :

MSVOA_V

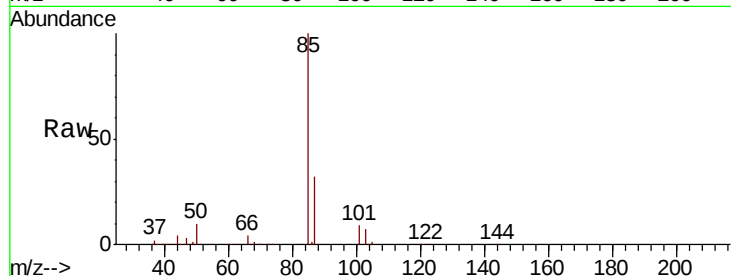
ClientSampleId :

Tot Ion: 85 Resp: 214485

Ion Ratio Lower Upper

85 100

87 32.0 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

200000

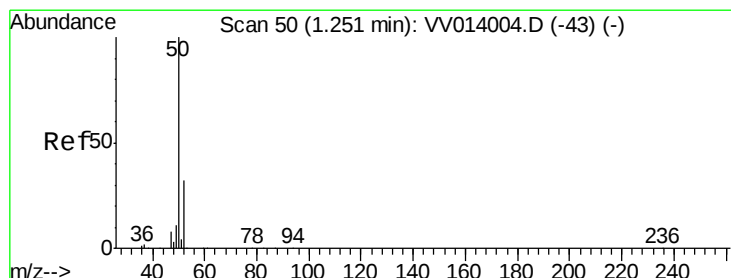
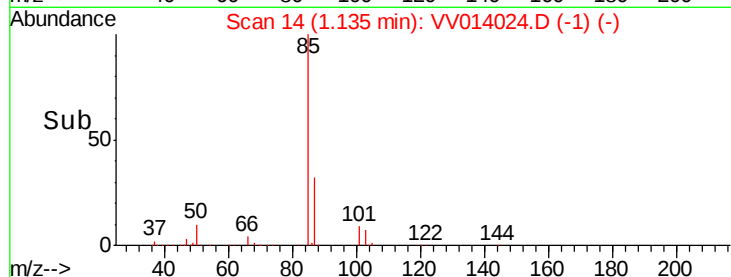
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 44.184 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV014024.D

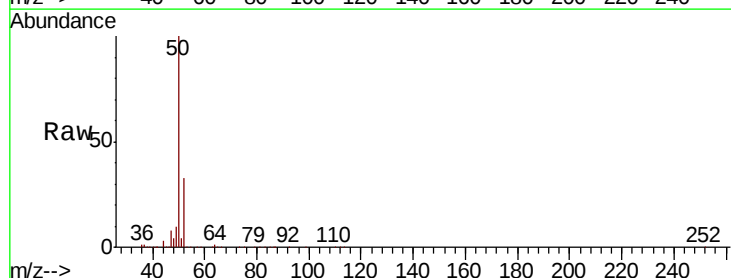
Acq: 11 Dec 2019 20:46

Tgt Ion: 50 Resp: 260500

Ion Ratio Lower Upper

50 100

52 33.0 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0

1.25

300000

250000

200000

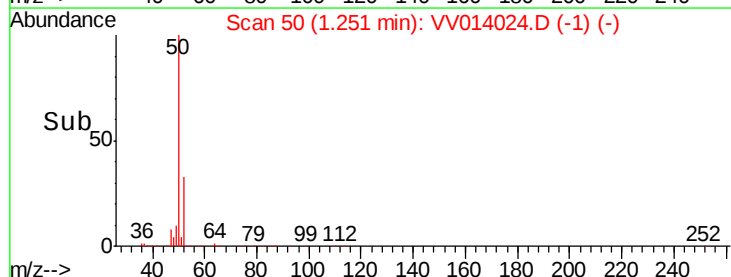
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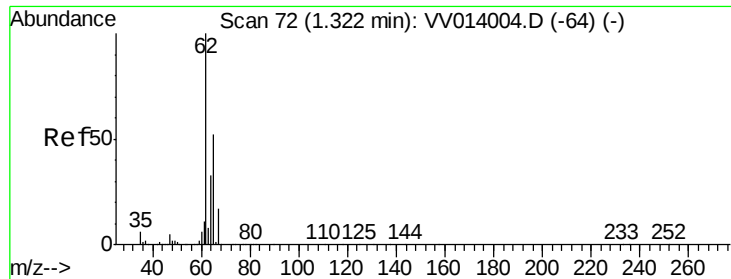
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 47.223 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV014024.D

Acq: 11 Dec 2019 20:46

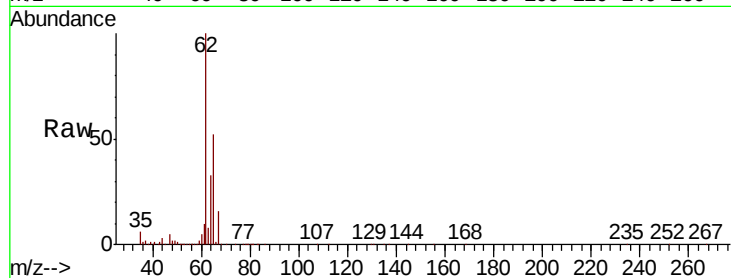
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 290378

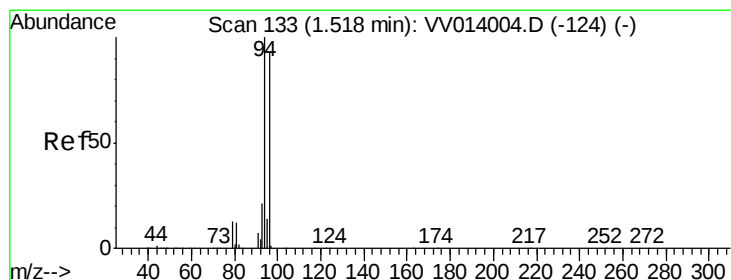
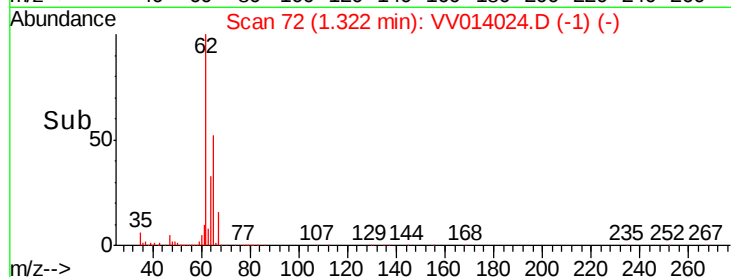
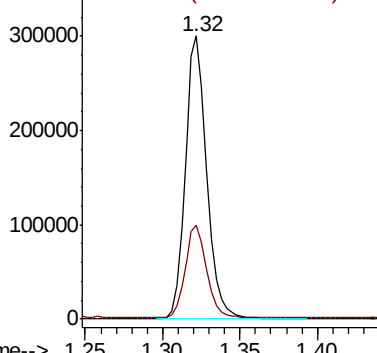
Ion Ratio Lower Upper

62 100

64 33.1 24.1 44.8



Abundance Ion 62.00 (61.70 to 62.70): VV0
Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 36.516 ug/L

RT: 1.51 min Scan# 131

Delta R.T. -0.01 min

Lab File: VV014024.D

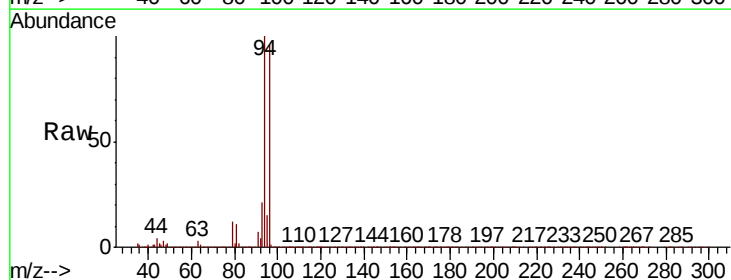
Acq: 11 Dec 2019 20:46

Tgt Ion: 94 Resp: 135756

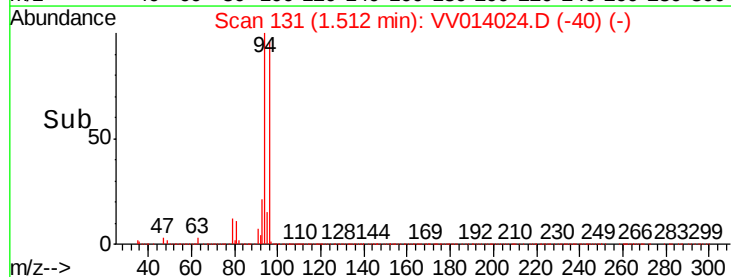
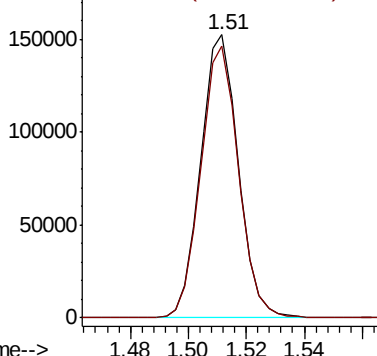
Ion Ratio Lower Upper

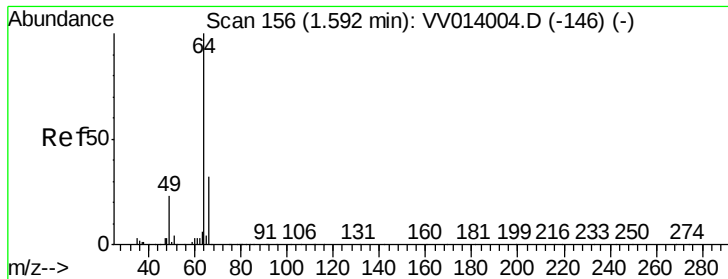
94 100

96 95.9 66.2 123.0



Abundance Ion 94.00 (93.70 to 94.70): VV0
Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 42.867 ug/L

RT: 1.58 min Scan# 151

Delta R.T. -0.02 min

Lab File: VV014024.D

Acq: 11 Dec 2019 20:46

Instrument :

MSVOA_V

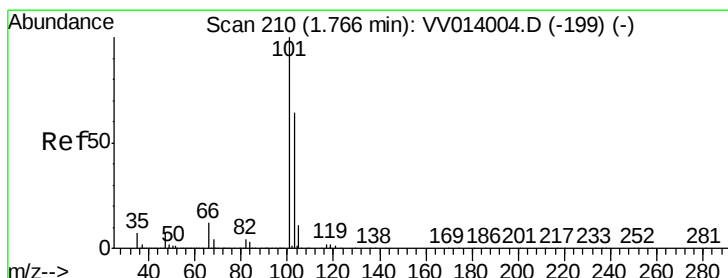
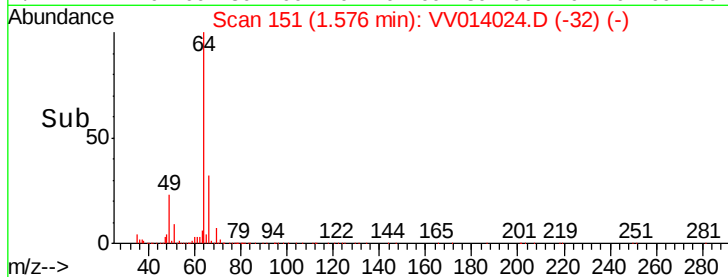
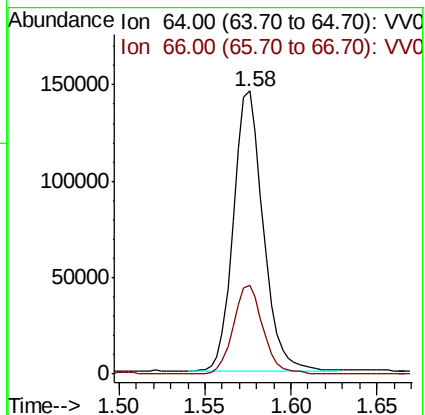
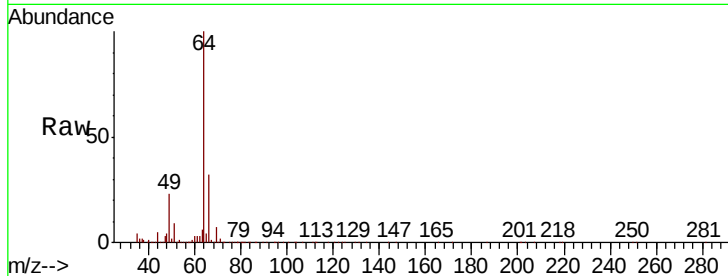
ClientSampleId :

Tot Ion: 64 Resp: 175386

Ion Ratio Lower Upper

64 100

66 31.5 22.7 42.1



#9

Trichlorofluoromethane

Concen: 41.252 ug/L

RT: 1.75 min Scan# 206

Delta R.T. -0.01 min

Lab File: VV014024.D

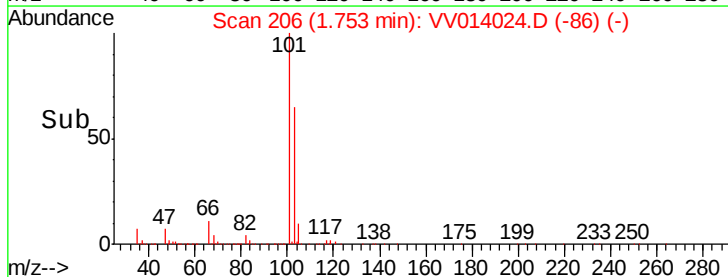
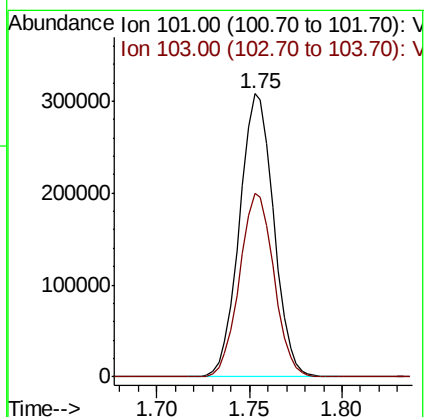
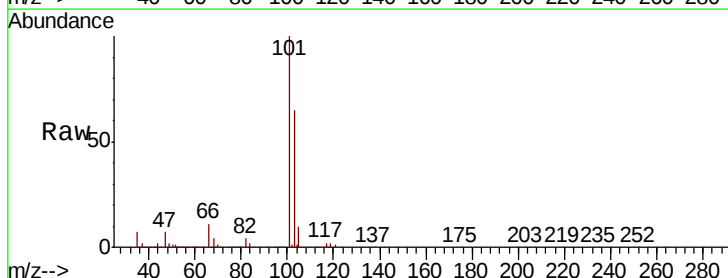
Acq: 11 Dec 2019 20:46

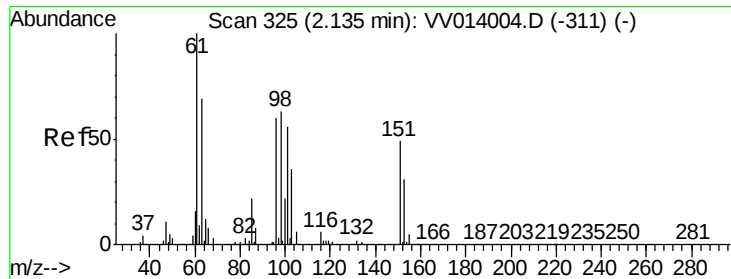
Tgt Ion: 101 Resp: 394527

Ion Ratio Lower Upper

101 100

103 65.2 51.9 77.9





#10

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

Concen: 40.600 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV014024.D

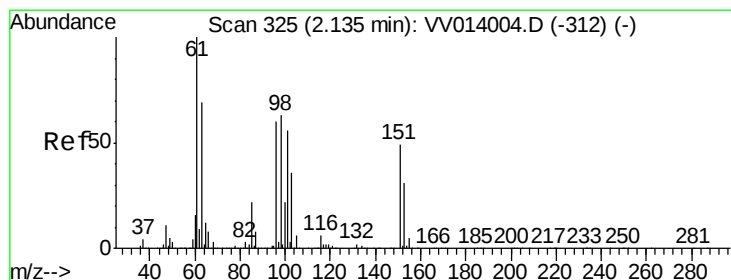
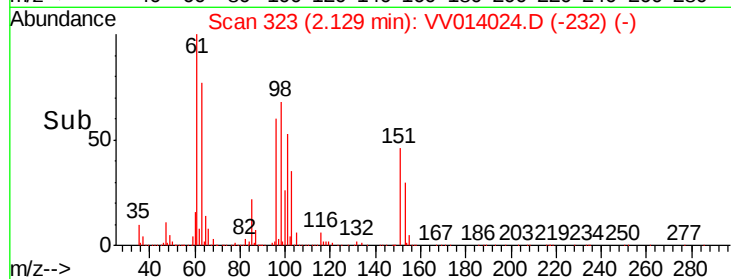
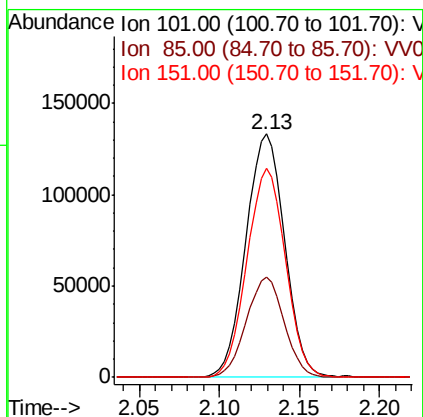
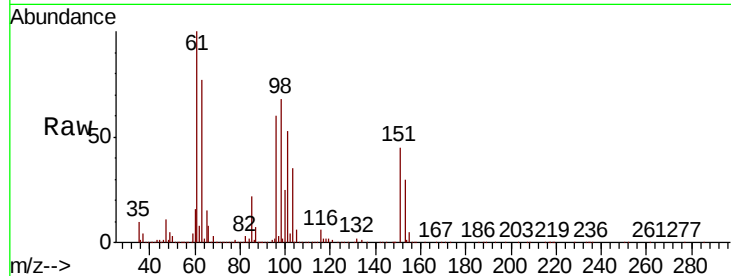
Acq: 11 Dec 2019 20:46

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:	101	Resp:	221151
Ion Ratio	Lower	Upper	
101	100		
85	39.8	32.5	48.7
151	85.2	69.8	104.6



#12

1,1-Dichloroethene

Concen: 40.880 ug/L

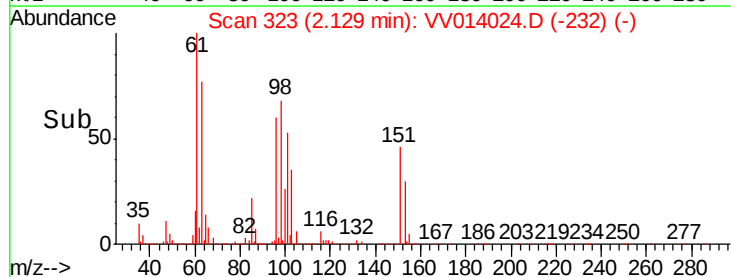
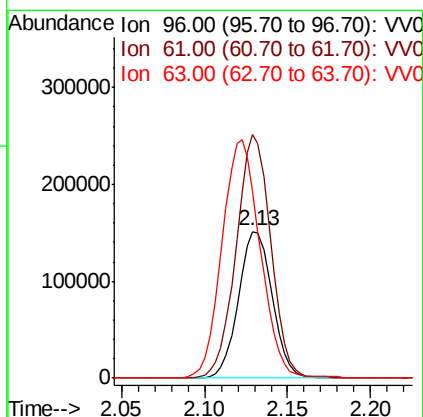
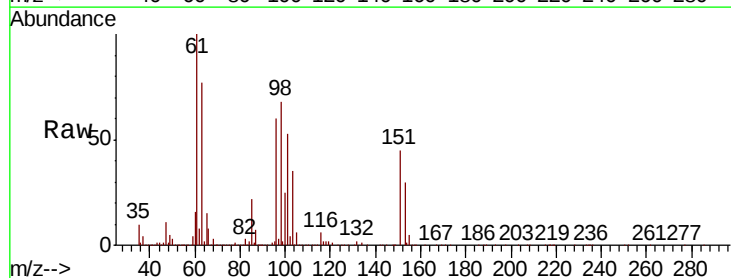
RT: 2.13 min Scan# 323

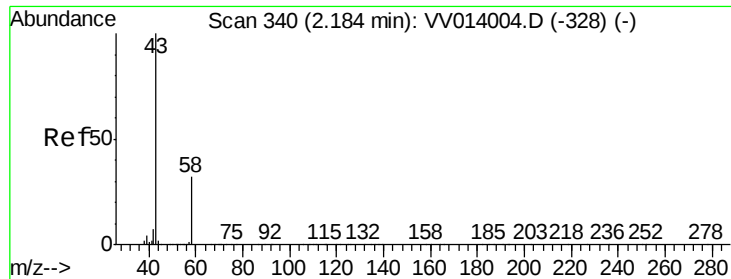
Delta R.T. -0.01 min

Lab File: VV014024.D

Acq: 11 Dec 2019 20:46

Tgt Ion:	96	Resp:	215091
Ion Ratio	Lower	Upper	
96	100		
61	165.9	114.0	211.8
63	127.4	80.3	149.1





#13

Acetone

Concen: 51.928 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.00 min

Lab File: VV014024.D

Acq: 11 Dec 2019 20:46

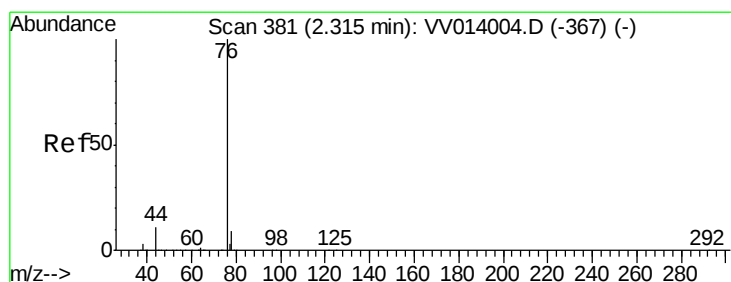
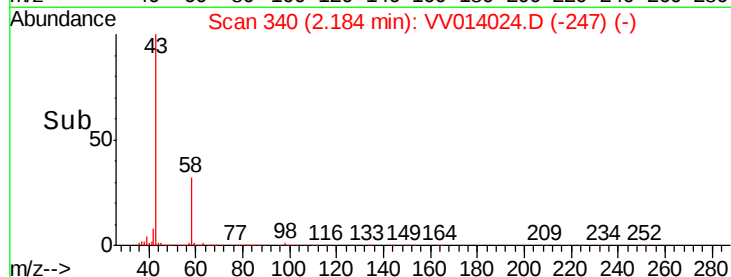
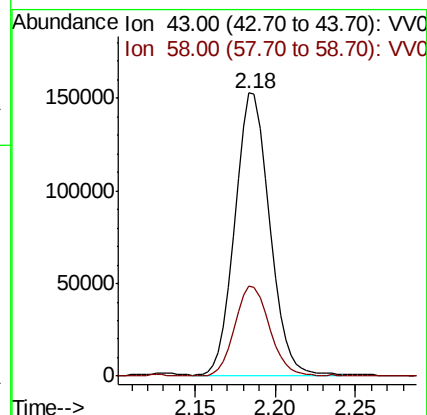
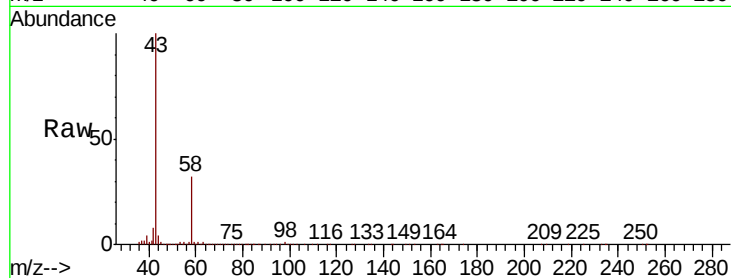
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 224360

Ion Ratio Lower Upper

43 100

58 31.7 0.0 60.8



#14

Carbon disulfide

Concen: 36.036 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.01 min

Lab File: VV014024.D

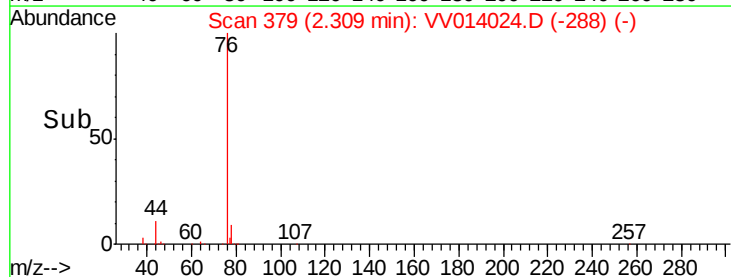
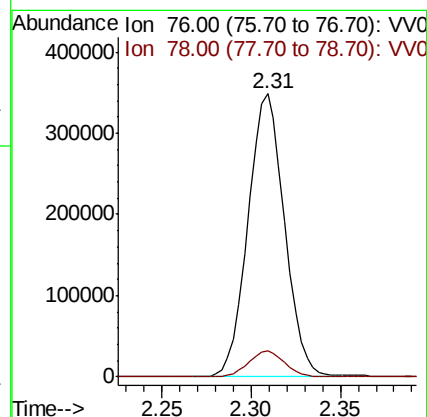
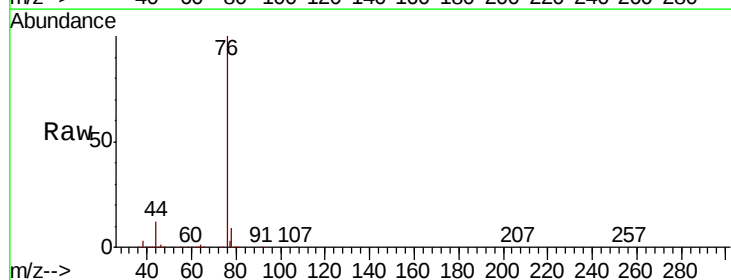
Acq: 11 Dec 2019 20:46

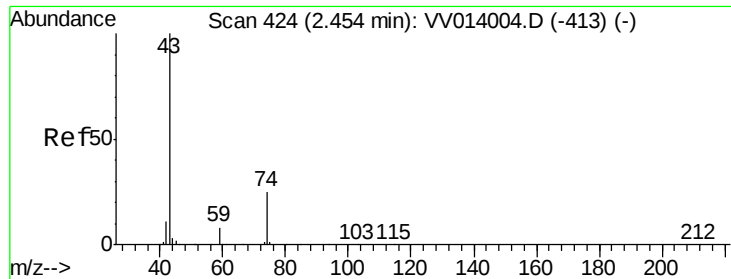
Tgt Ion: 76 Resp: 500022

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8

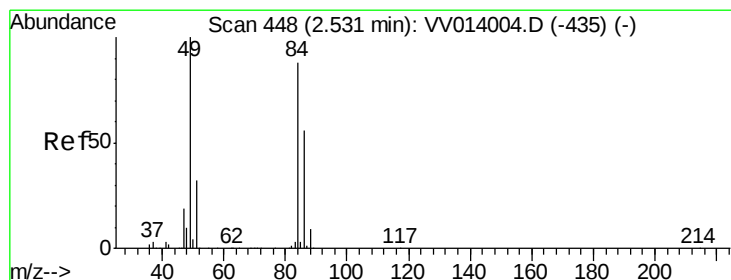
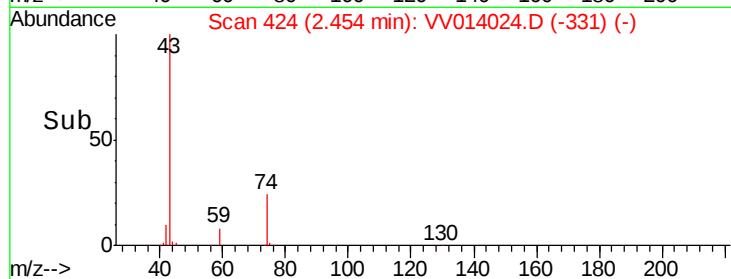
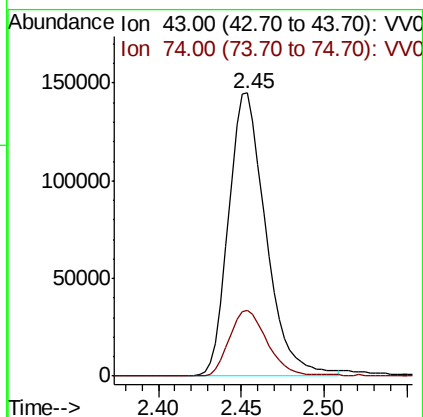
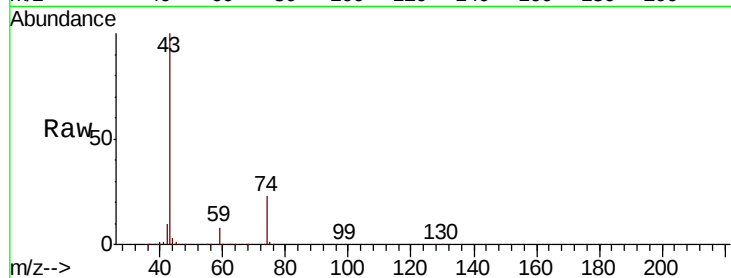




#15
Methvl Acetate
Concen: 42.575 ug/L
RT: 2.45 min Scan# 424
Delta R.T. -0.00 min
Lab File: VV014024.D
Acq: 11 Dec 2019 20:46

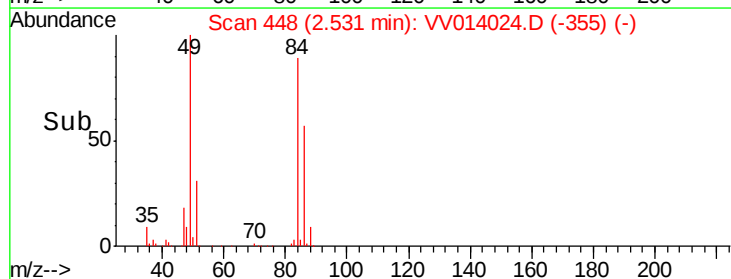
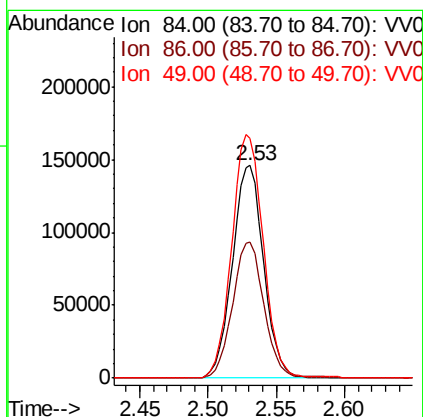
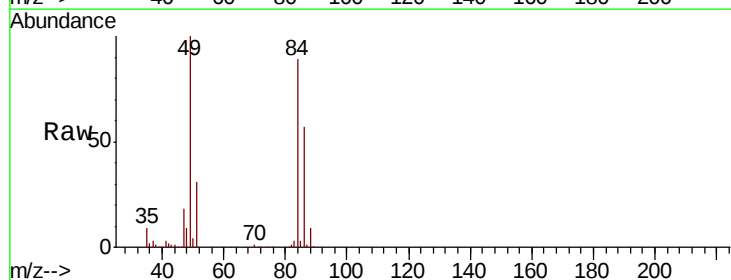
Instrument :
MSVOA_V
ClientSampleId :

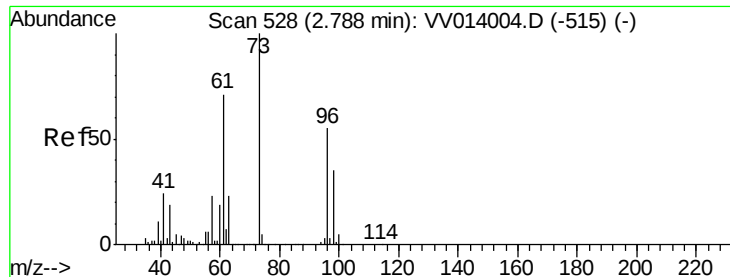
Tot Ion: 43 Resp: 226701
Ion Ratio Lower Upper
43 100
74 23.5 19.3 28.9



#16
Methylene chloride
Concen: 42.424 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.00 min
Lab File: VV014024.D
Acq: 11 Dec 2019 20:46

Tgt Ion: 84 Resp: 232449
Ion Ratio Lower Upper
84 100
86 64.1 43.9 81.5
49 112.7 79.7 147.9

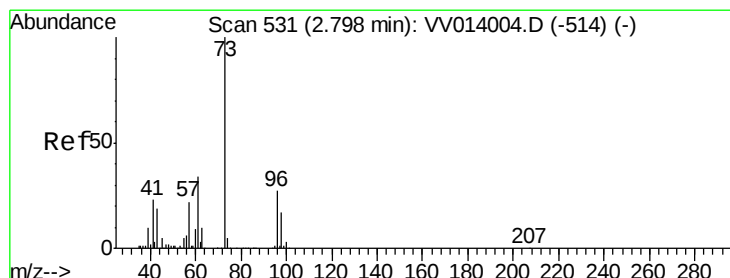
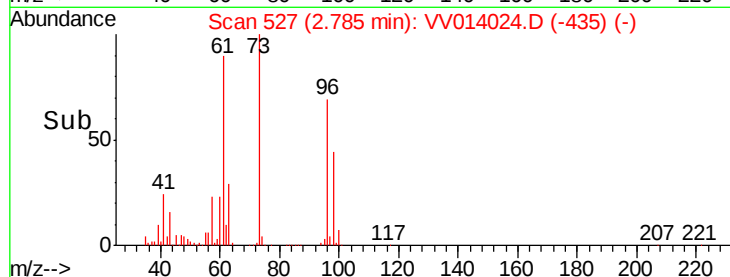
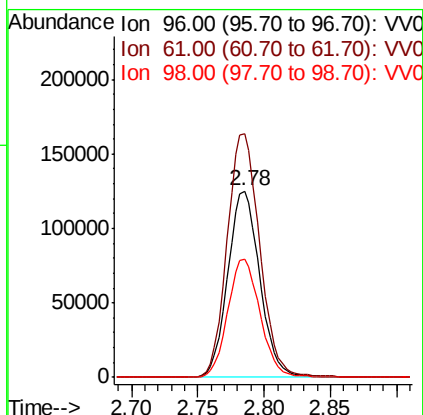
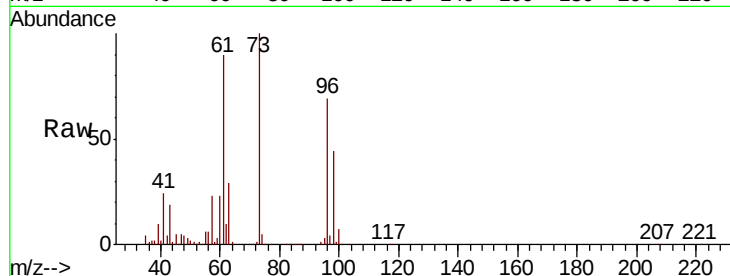




#17
trans-1,2-Dichloroethene
Concen: 40.891 ug/L
RT: 2.78 min Scan# 527
Delta R.T. -0.00 min
Lab File: VV014024.D
Acq: 11 Dec 2019 20:46

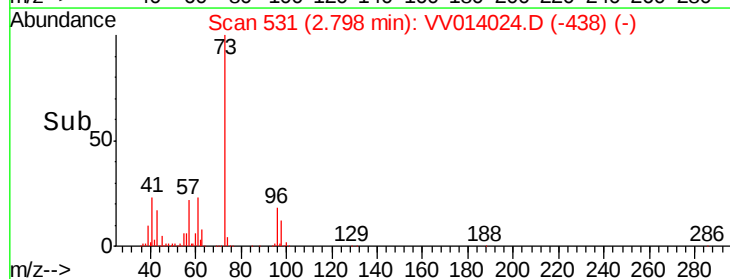
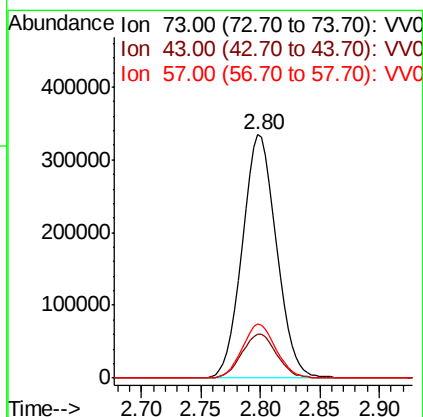
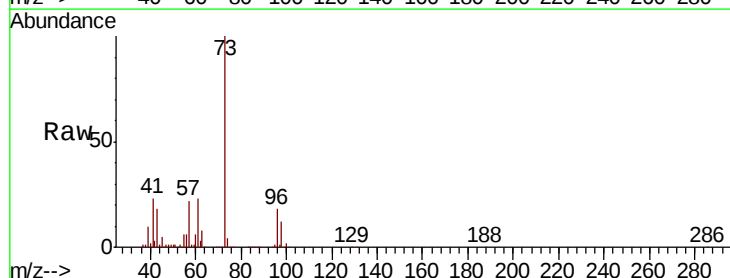
Instrument :
MSVOA_V
ClientSampleId :

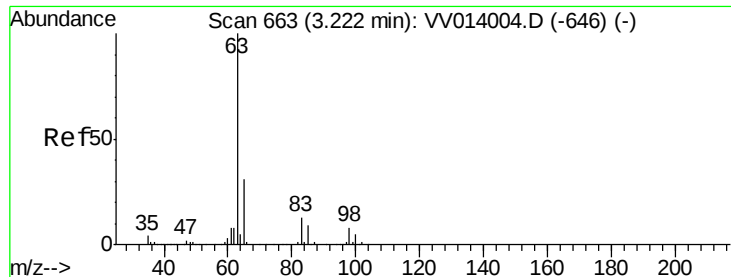
Tot Ion: 96 Resp: 210448
Ion Ratio Lower Upper
96 100
61 130.6 92.2 171.2
98 63.2 42.6 79.2



#18
Methyl tert-butyl Ether
Concen: 44.632 ug/L
RT: 2.80 min Scan# 531
Delta R.T. -0.00 min
Lab File: VV014024.D
Acq: 11 Dec 2019 20:46

Tgt Ion: 73 Resp: 666589
Ion Ratio Lower Upper
73 100
43 18.4 15.0 22.6
57 21.9 17.4 26.2





#19

1,1-Dichloroethane

Concen: 43.857 ug/L

RT: 3.22 min Scan# 662

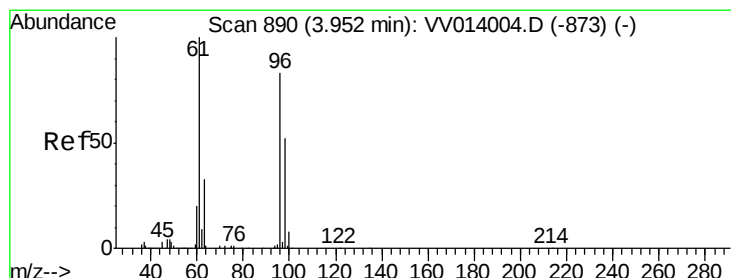
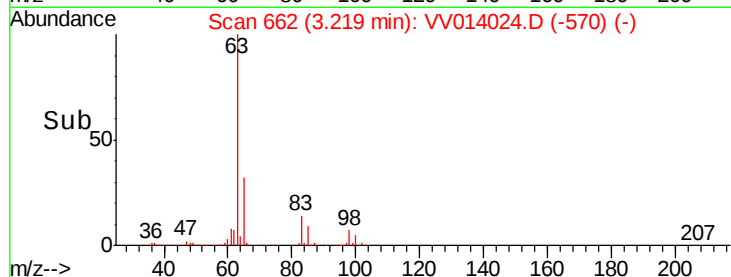
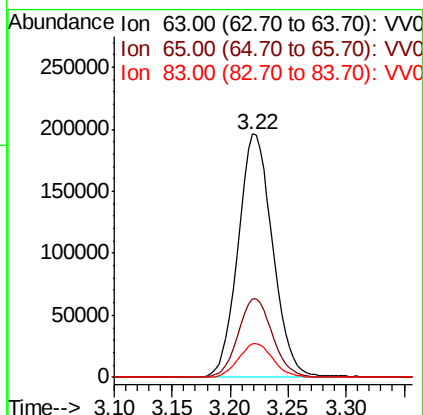
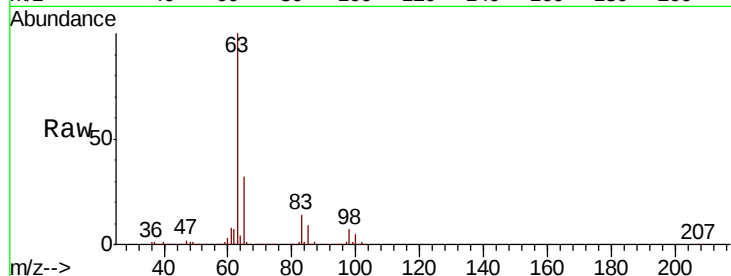
Delta R.T. -0.00 min

Lab File: VV014024.D

Acq: 11 Dec 2019 20:46

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:	63	Resp:	406656
Ion	Ratio	Lower	Upper
63	100		
65	32.4	21.5	39.9
83	13.7	9.7	18.1



#20

cis-1,2-Dichloroethene

Concen: 43.115 ug/L

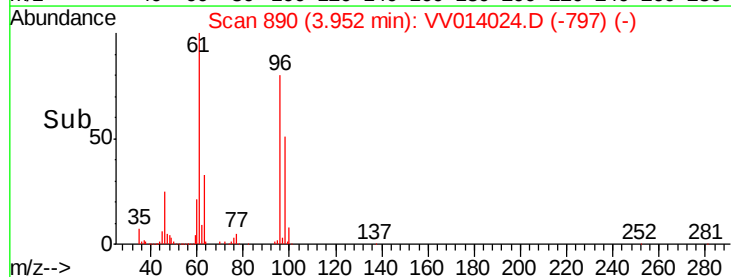
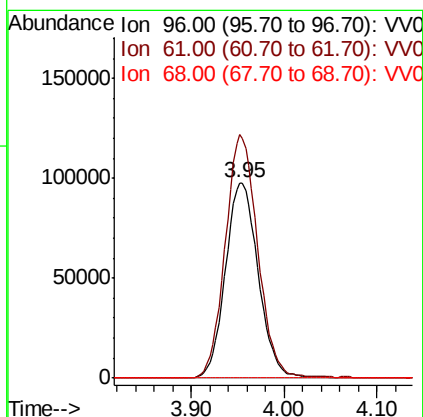
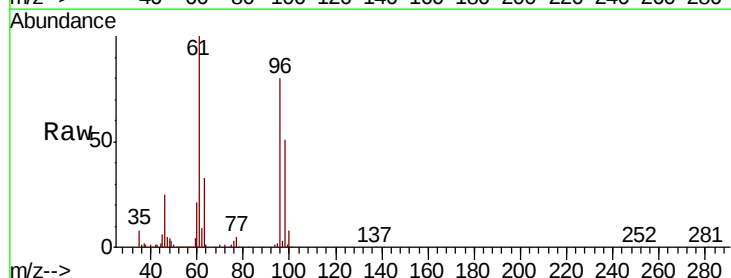
RT: 3.95 min Scan# 890

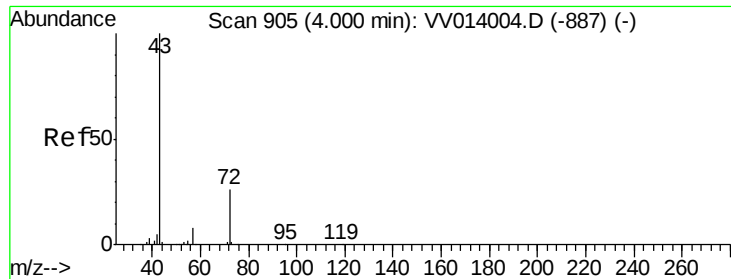
Delta R.T. -0.00 min

Lab File: VV014024.D

Acq: 11 Dec 2019 20:46

Tgt Ion:	96	Resp:	240295
Ion	Ratio	Lower	Upper
96	100		
61	124.6	85.3	158.5
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 76.659 ug/L

RT: 4.01 min Scan# 907

Delta R.T. 0.01 min

Lab File: VV014024.D

Acq: 11 Dec 2019 20:46

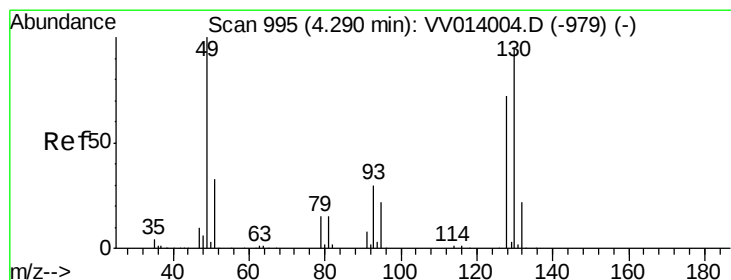
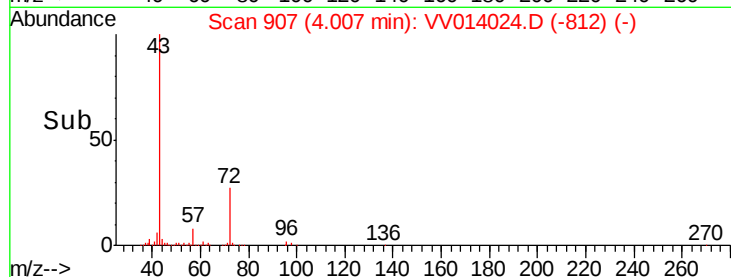
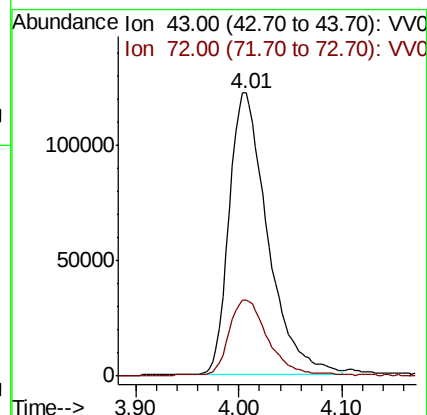
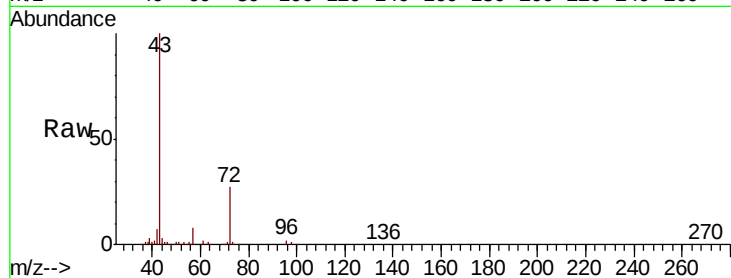
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 317910

Ion Ratio Lower Upper

43 100

72 27.1 14.1 42.2



#23

Bromochloromethane

Concen: 43.867 ug/L

RT: 4.29 min Scan# 995

Delta R.T. -0.00 min

Lab File: VV014024.D

Acq: 11 Dec 2019 20:46

Tgt Ion:128 Resp: 135076

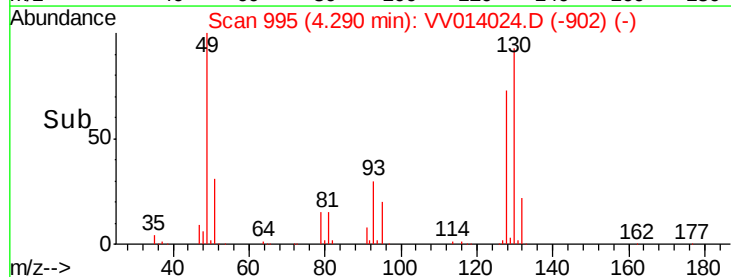
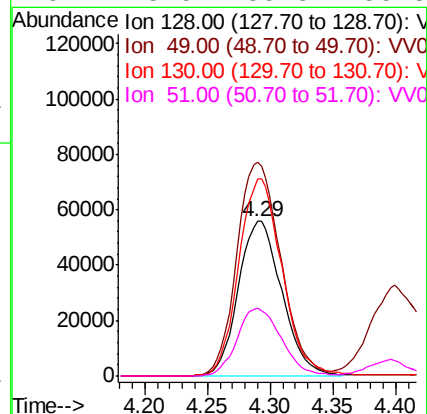
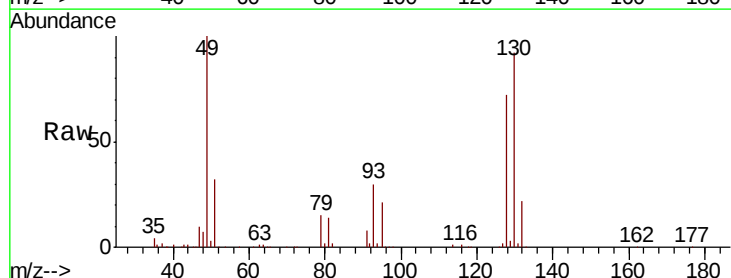
Ion Ratio Lower Upper

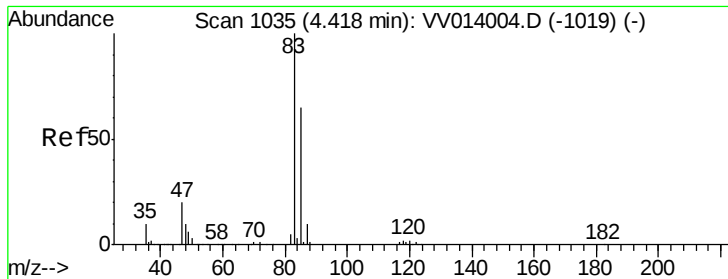
128 100

49 138.1 100.4 186.4

130 127.1 88.3 163.9

51 43.5 35.8 53.8





#25

Chloroform

Concen: 47.630 ug/L

RT: 4.42 min Scan# 1035

Delta R.T. -0.00 min

Lab File: VV014024.D

Acq: 11 Dec 2019 20:46

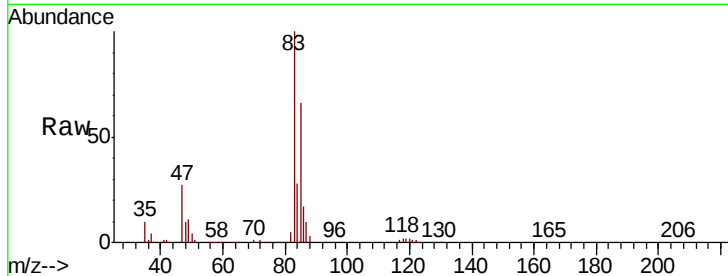
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 472133

Ion Ratio Lower Upper

83 100

85 66.2 45.7 84.9



Abundance Ion 83.00 (82.70 to 83.70): VV014024.D (-942) (-)

Ion 85.00 (84.70 to 85.70): VV014024.D (-942) (-)

4.42

200000

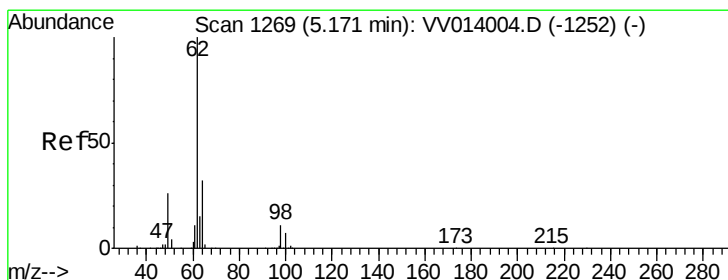
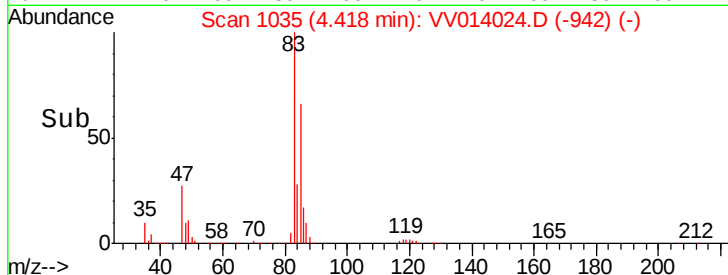
150000

100000

50000

0

Time--> 4.30 4.40 4.50



#27

1,2-Dichloroethane

Concen: 44.339 ug/L

RT: 5.17 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VV014024.D

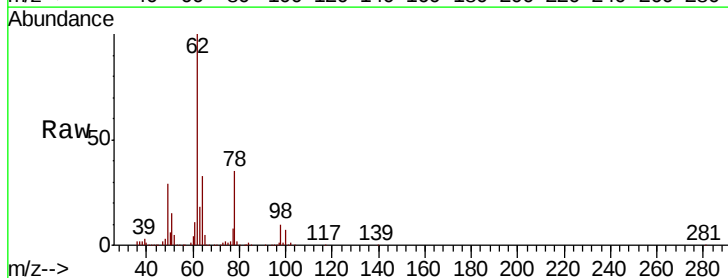
Acq: 11 Dec 2019 20:46

Tgt Ion: 62 Resp: 316697

Ion Ratio Lower Upper

62 100

98 10.4 8.5 12.7



Abundance Ion 62.00 (61.70 to 62.70): VV014024.D (-1176) (-)

Ion 98.00 (97.70 to 98.70): VV014024.D (-1176) (-)

5.17

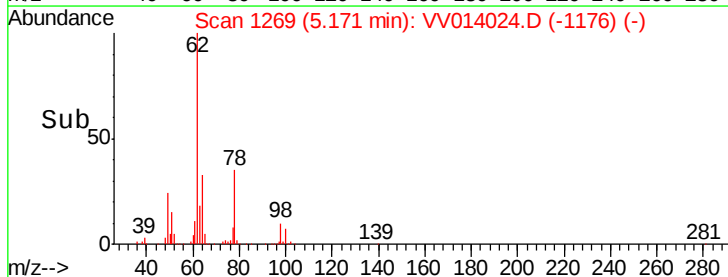
150000

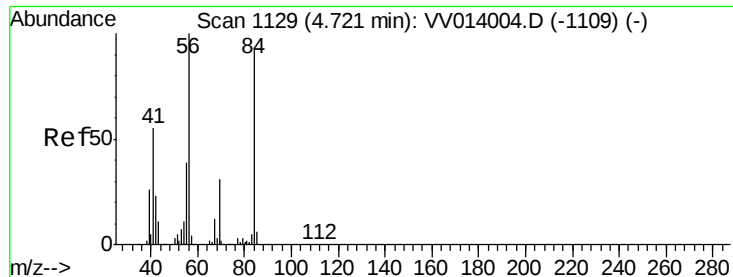
100000

50000

0

Time--> 5.10 5.20 5.30

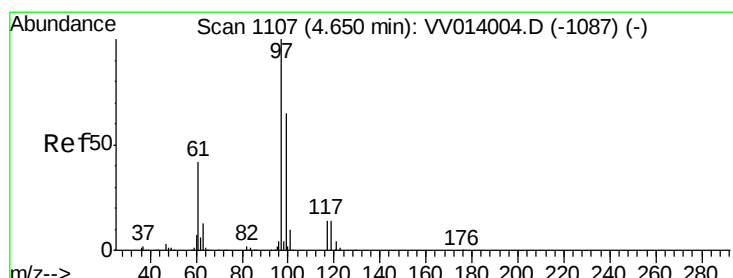
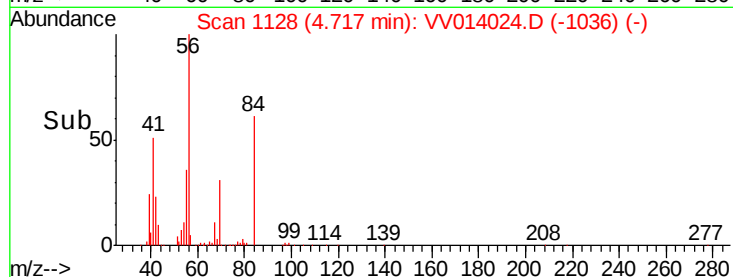
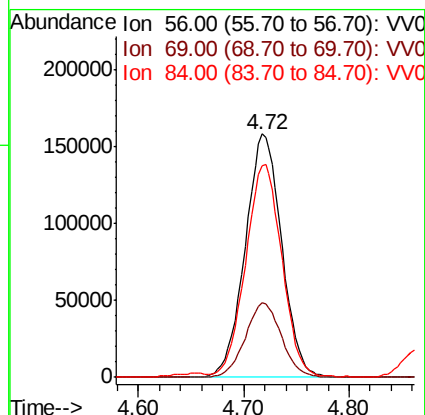
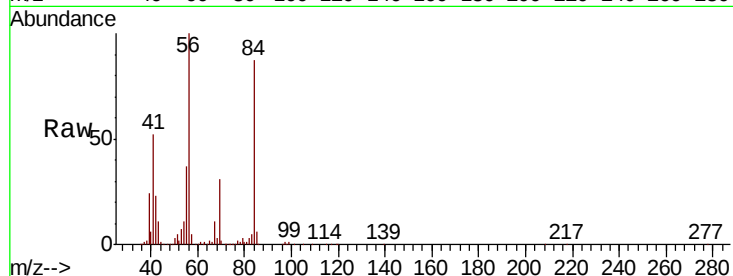




#29
Cyclohexane
Concen: 52.751 ug/L
RT: 4.72 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VV014024.D
Acq: 11 Dec 2019 20:46

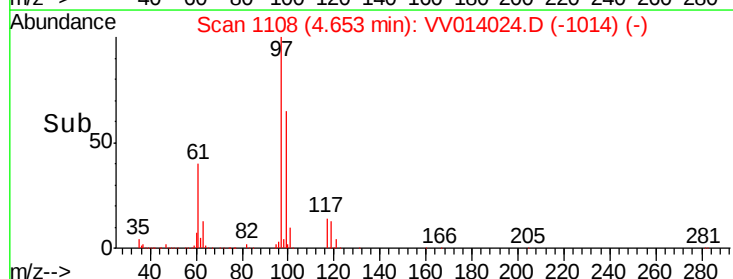
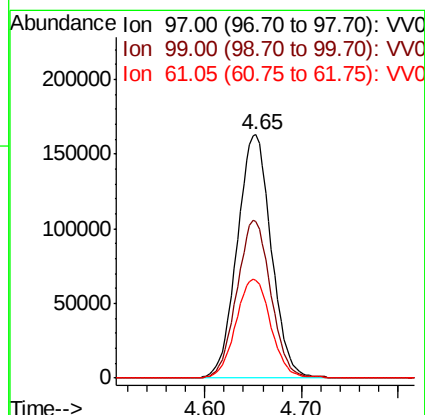
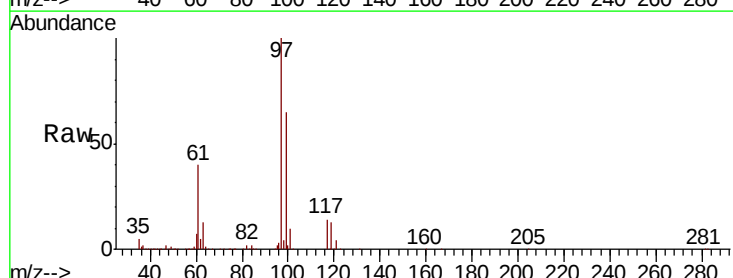
Instrument :
MSVOA_V
ClientSampleId :

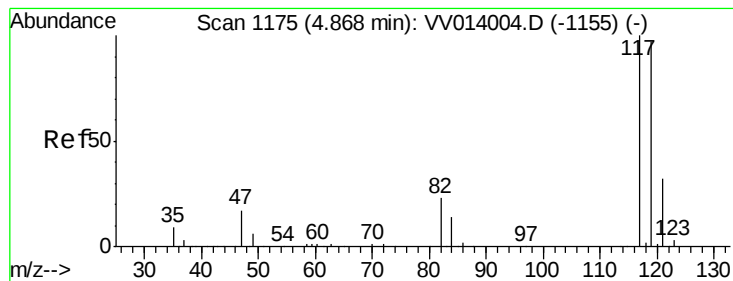
Tot Ion	Ratio	Lower	Upper
56	100		
69	30.5	24.9	37.3
84	86.7	71.0	106.4



#30
1,1,1-Trichloroethane
Concen: 53.710 ug/L
RT: 4.65 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VV014024.D
Acq: 11 Dec 2019 20:46

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.4	77.2
61	41.3	33.2	49.8





#31

Carbon tetrachloride

Concen: 48.760 ug/L

RT: 4.87 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VV014024.D

Acq: 11 Dec 2019 20:46

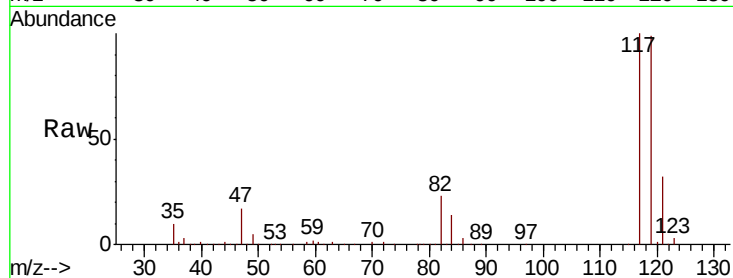
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:117 Resp: 323770

Ion Ratio Lower Upper

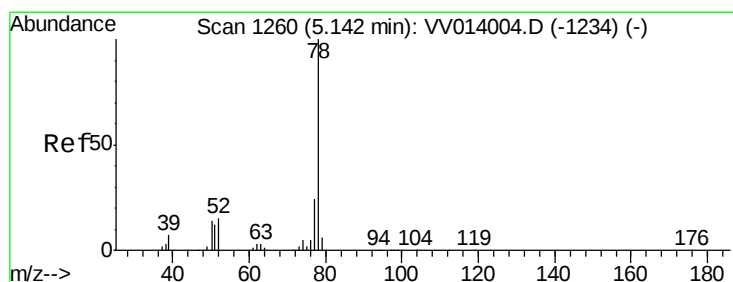
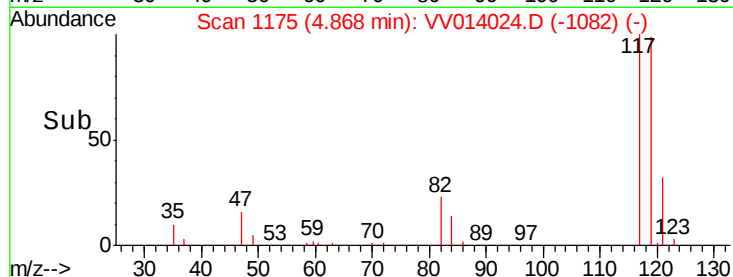
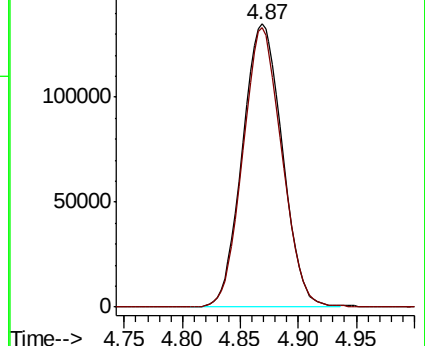
117 100

119 96.2 77.9 116.9



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 49.431 ug/L

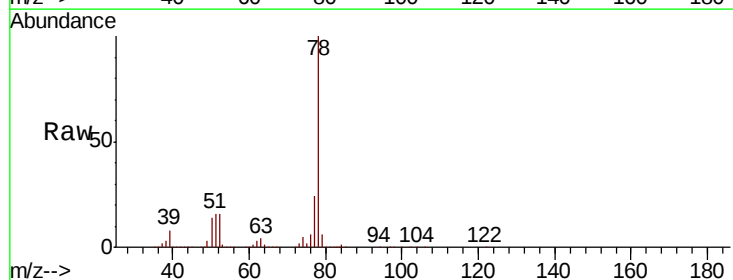
RT: 5.14 min Scan# 1260

Delta R.T. -0.00 min

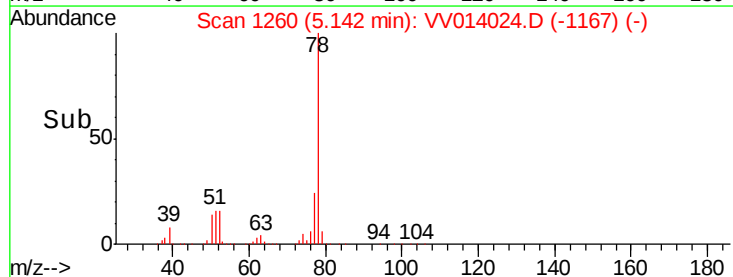
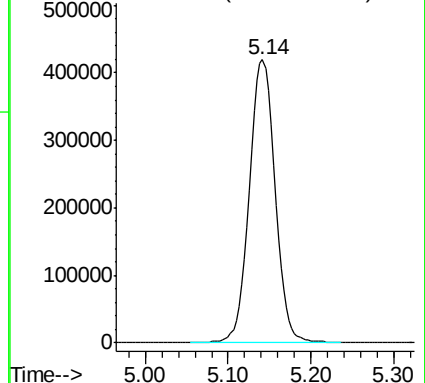
Lab File: VV014024.D

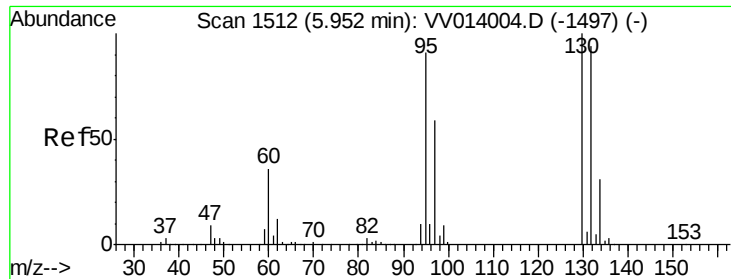
Acq: 11 Dec 2019 20:46

Tgt Ion: 78 Resp: 906416



Abundance Ion 78.00 (77.70 to 78.70): VV0

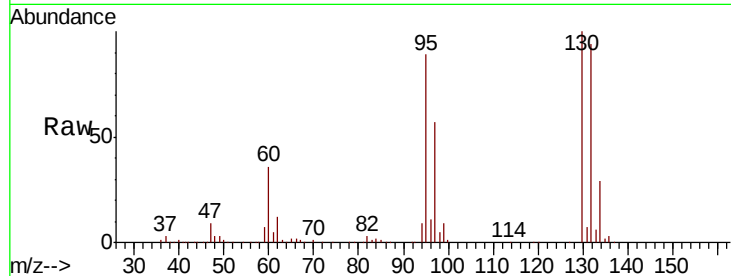




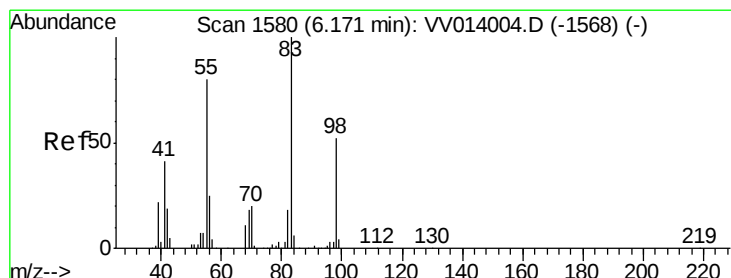
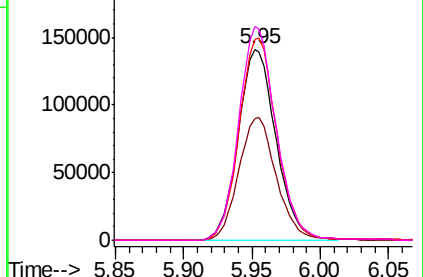
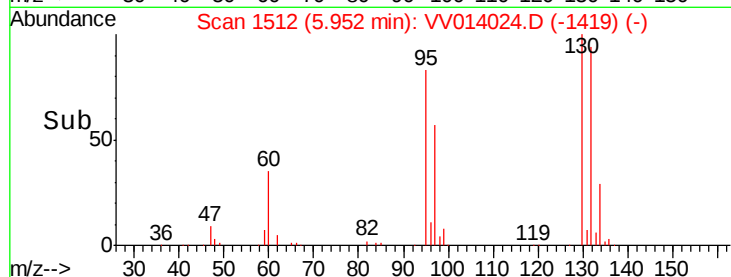
#34
 Trichloroethene
 Concen: 55.193 ug/L
 RT: 5.95 min Scan# 1512
 Delta R.T. -0.00 min
 Lab File: VV014024.D
 Acq: 11 Dec 2019 20:46

Instrument :
 MSVOA_V
 ClientSampleID :

Tot Ion:	95	Resp:	271445
Ion	Ratio	Lower	Upper
95	100		
97	64.1	45.4	84.4
132	105.1	73.7	136.9
130	111.9	77.1	143.1

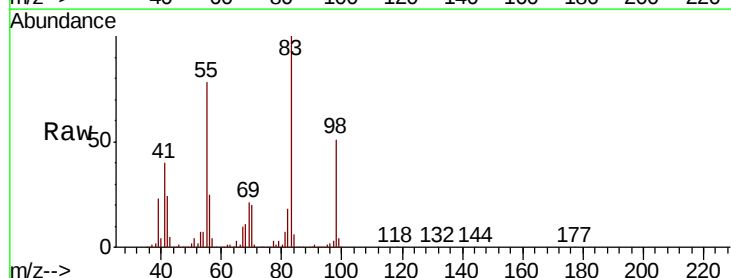


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

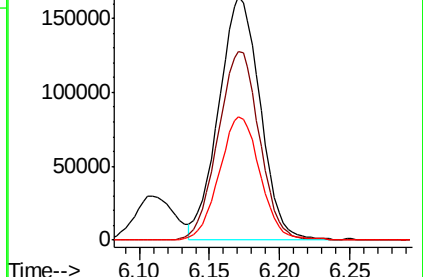
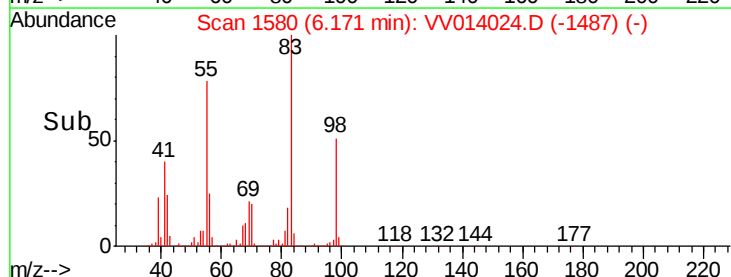


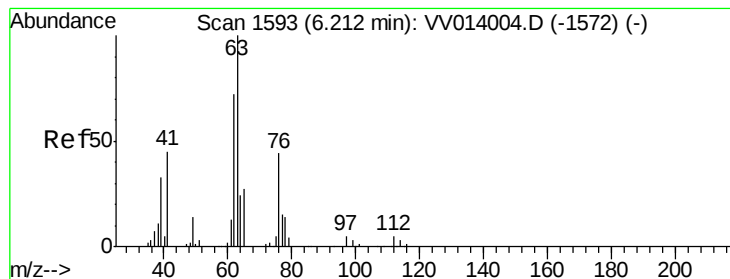
#35
 Methylcyclohexane
 Concen: 45.779 ug/L
 RT: 6.17 min Scan# 1580
 Delta R.T. -0.00 min
 Lab File: VV014024.D
 Acq: 11 Dec 2019 20:46

Tgt Ion:	83	Resp:	337811
Ion	Ratio	Lower	Upper
83	100		
55	76.9	61.0	91.4
98	50.2	39.6	59.4



Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 55.00 (54.70 to 55.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 53.226 ug/L

RT: 6.22 min Scan# 1594

Delta R.T. 0.00 min

Lab File: VV014024.D

Acq: 11 Dec 2019 20:46

Instrument :

MSVOA_V

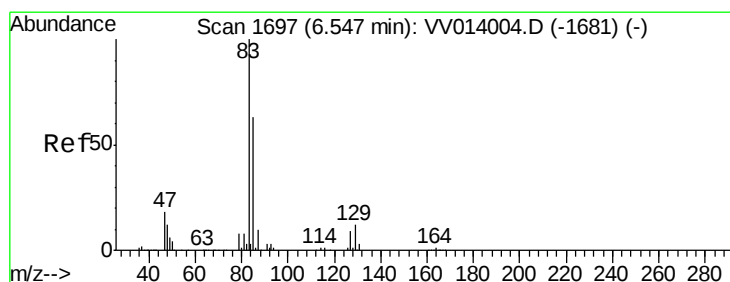
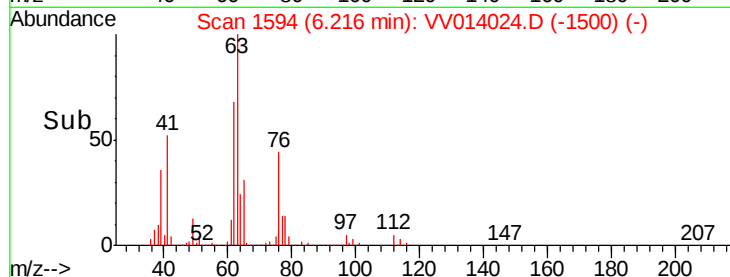
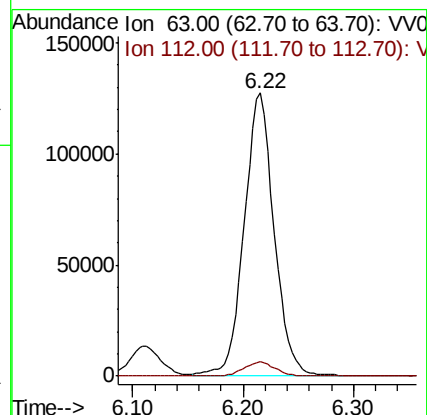
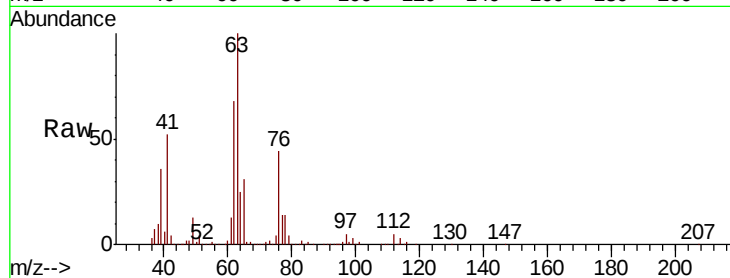
ClientSampled :

Tot Ion: 63 Resp: 236218

Ion Ratio Lower Upper

63 100

112 5.4 4.2 6.2



#38

Bromodichloromethane

Concen: 48.409 ug/L

RT: 6.55 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VV014024.D

Acq: 11 Dec 2019 20:46

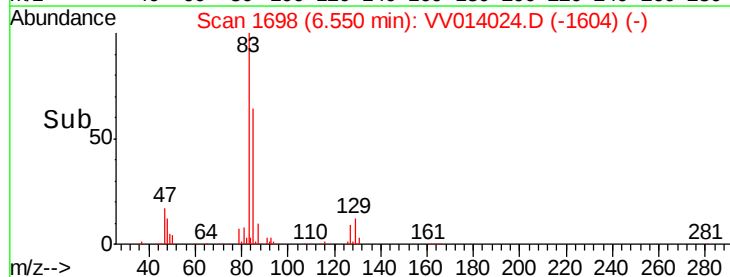
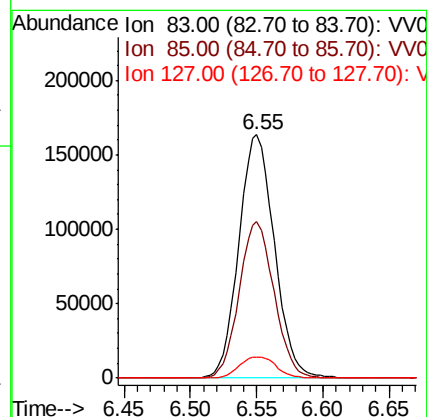
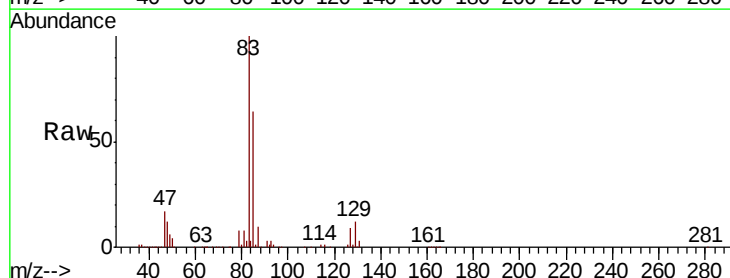
Tgt Ion: 83 Resp: 304679

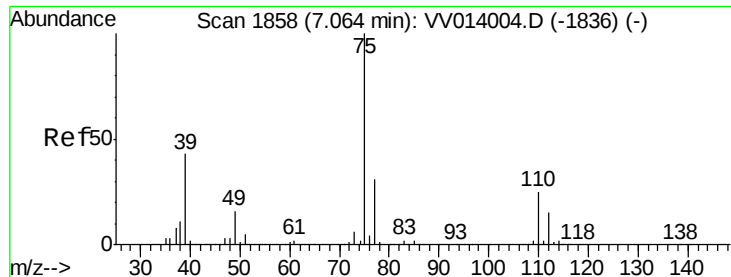
Ion Ratio Lower Upper

83 100

85 64.1 44.8 83.2

127 8.8 7.7 11.5

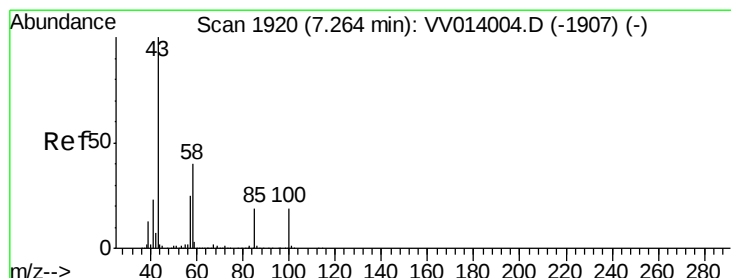
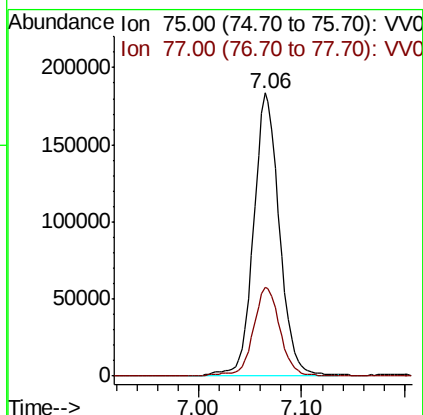
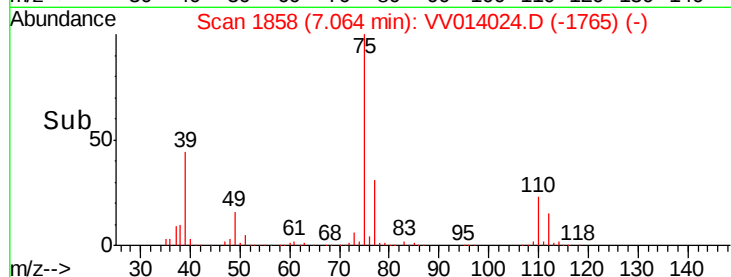
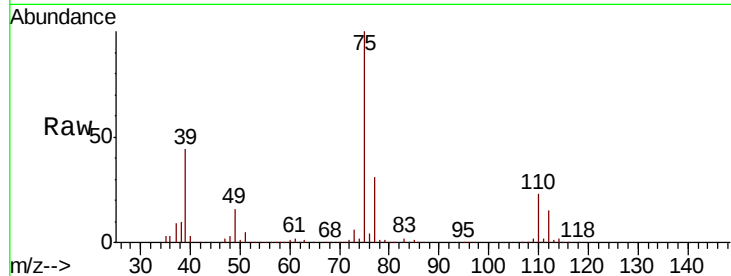




#39
 cis-1,3-Dichloropropene
 Concen: 45.545 ug/L
 RT: 7.06 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VV014024.D
 Acq: 11 Dec 2019 20:46

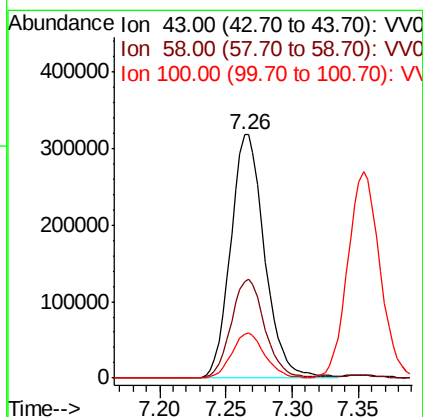
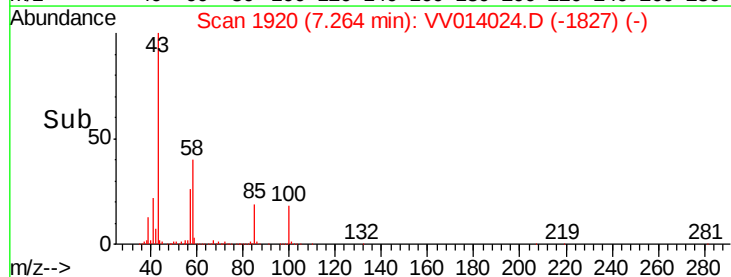
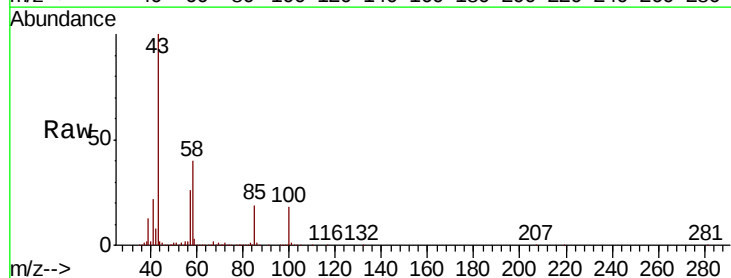
Instrument :
 MSVOA_V
 ClientSampleId :

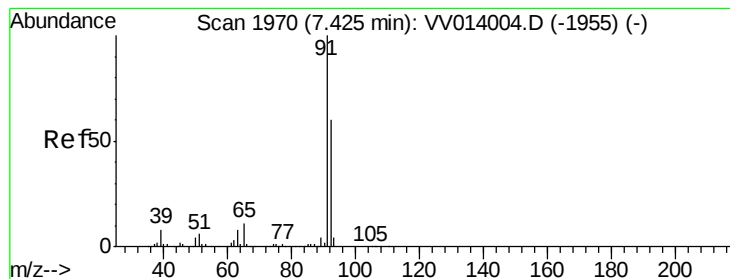
Tot Ion: 75 Resp: 318208
 Ion Ratio Lower Upper
 75 100
 77 31.2 21.6 40.2



#40
 4-Methyl-2-pentanone
 Concen: 97.977 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VV014024.D
 Acq: 11 Dec 2019 20:46

Tgt Ion: 43 Resp: 565424
 Ion Ratio Lower Upper
 43 100
 58 40.5 31.9 47.9
 100 18.1 13.7 20.5





#42

Toluene

Concen: 49.111 ug/L

RT: 7.42 min Scan# 1970

Delta R.T. -0.00 min

Lab File: VV014024.D

Acq: 11 Dec 2019 20:46

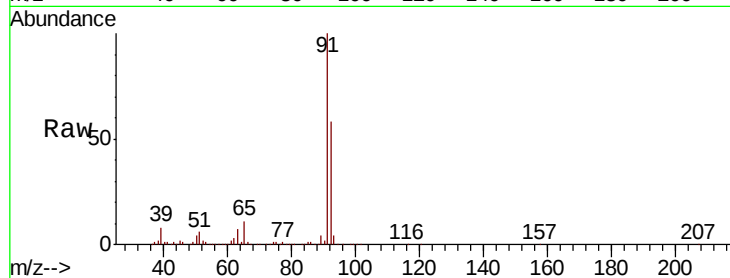
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 929163

Ion Ratio Lower Upper

91 100

92 58.0 41.4 77.0



Abundance Ion 91.00 (90.70 to 91.70): VV014004.D (-1955) (-)

Ion 92.00 (91.70 to 92.70): VV014004.D (-1955) (-)

7.42

600000

500000

400000

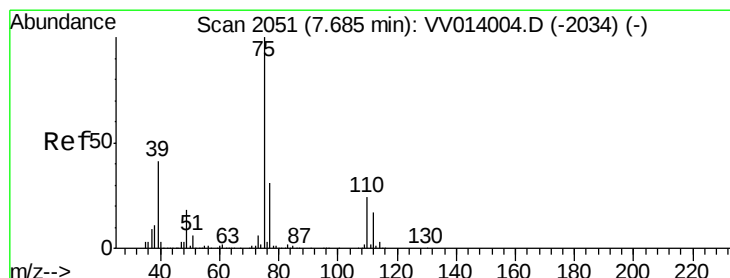
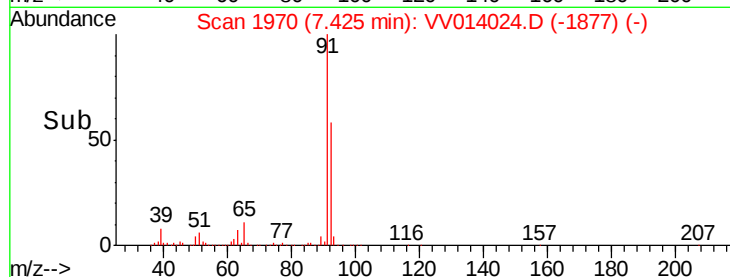
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 45.305 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. 0.00 min

Lab File: VV014024.D

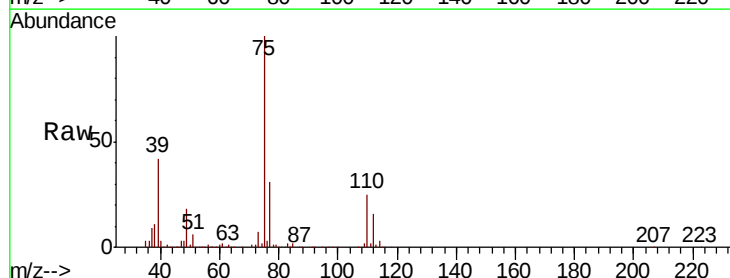
Acq: 11 Dec 2019 20:46

Tgt Ion: 75 Resp: 286632

Ion Ratio Lower Upper

75 100

77 31.4 22.9 42.5



Abundance Ion 75.00 (74.70 to 75.70): VV014004.D (-2034) (-)

Ion 77.00 (76.70 to 77.70): VV014004.D (-2034) (-)

200000

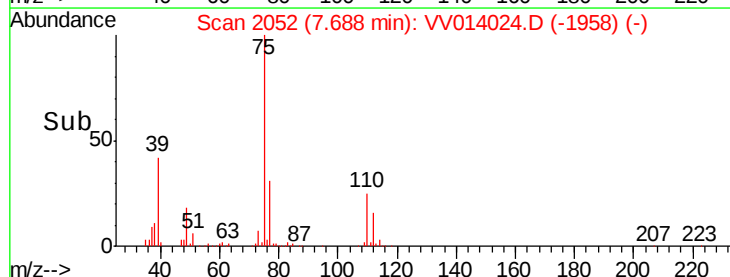
150000

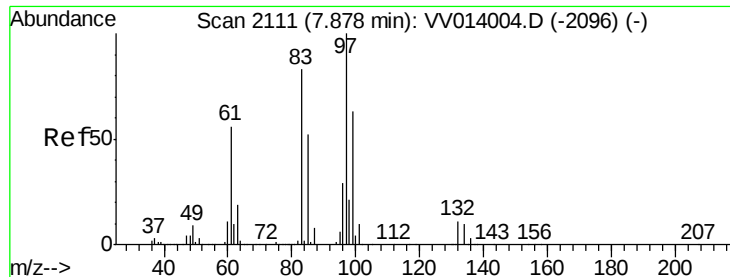
100000

50000

0

Time-->

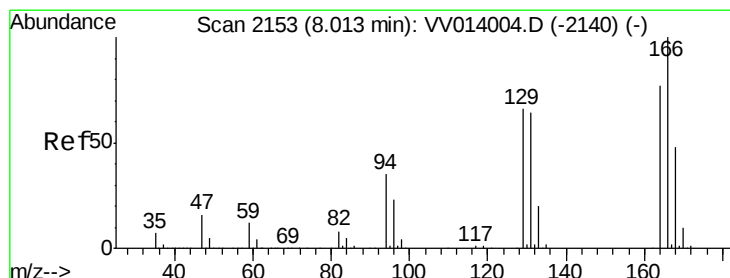
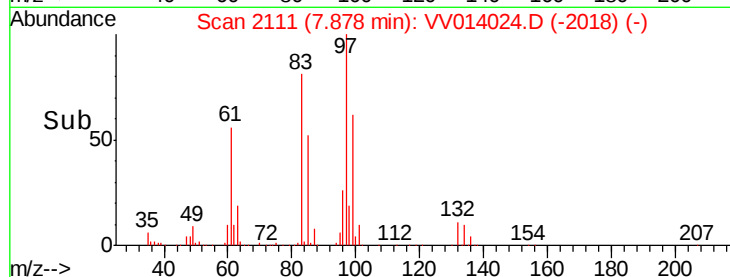
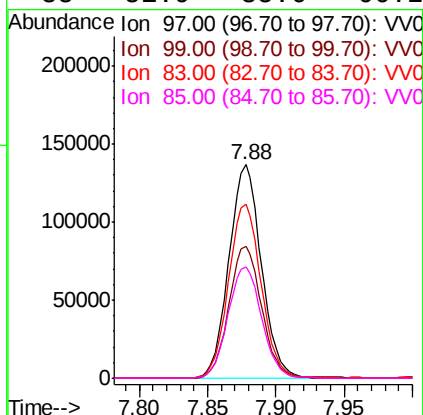
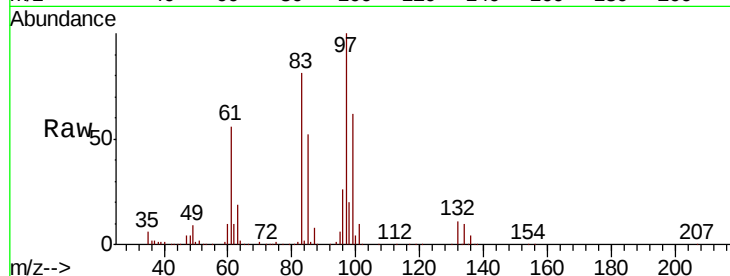




#45
 1,1,2-Trichloroethane
 Concen: 51.345 ug/L
 RT: 7.88 min Scan# 2111
 Delta R.T. -0.00 min
 Lab File: VV014024.D
 Acq: 11 Dec 2019 20:46

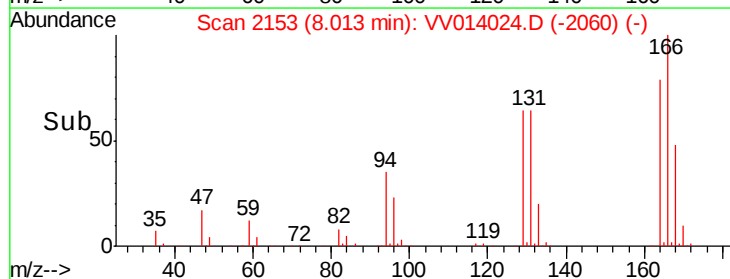
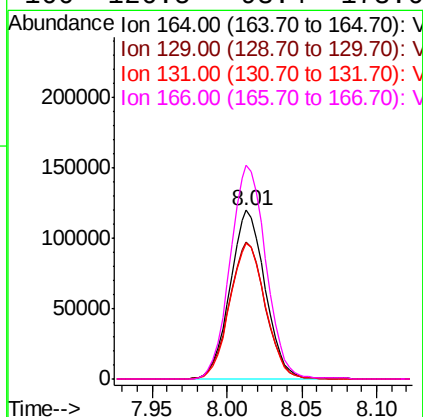
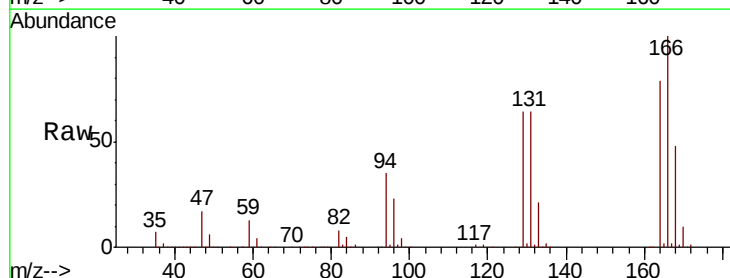
Instrument :
 MSVOA_V
 ClientSampleId :

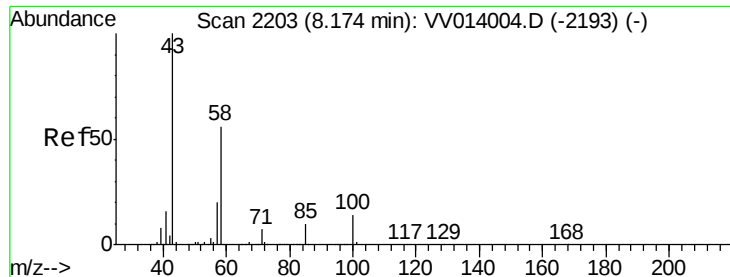
Tot Ion:	97	Resp:	226185
Ion	Ratio	Lower	Upper
97	100		
99	62.0	43.0	80.0
83	81.3	57.5	106.9
85	51.9	35.6	66.2



#46
 Tetrachloroethene
 Concen: 44.007 ug/L
 RT: 8.01 min Scan# 2153
 Delta R.T. -0.00 min
 Lab File: VV014024.D
 Acq: 11 Dec 2019 20:46

Tgt Ion:	164	Resp:	195302
Ion	Ratio	Lower	Upper
164	100		
129	81.5	61.7	114.7
131	80.4	58.4	108.6
166	126.5	93.4	173.6

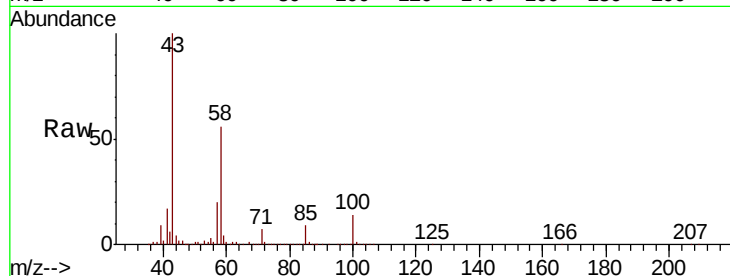




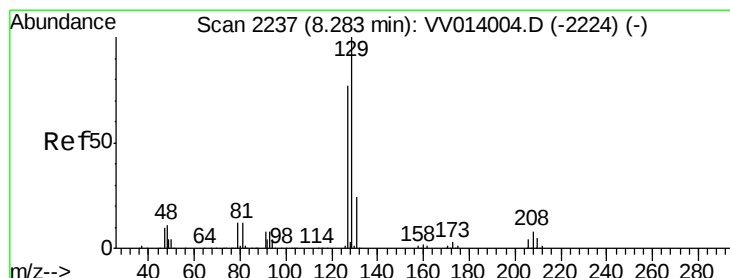
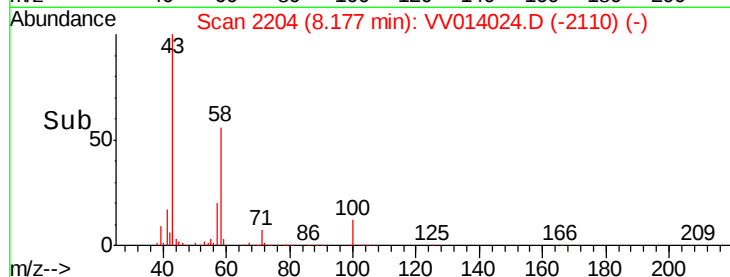
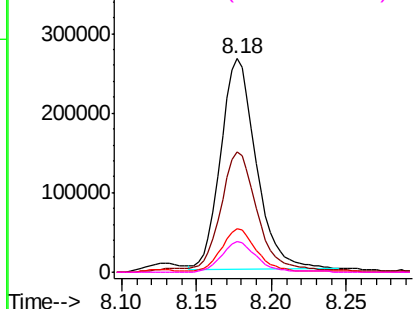
#48
2-Hexanone
Concen: 94.596 ug/L
RT: 8.18 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VV014024.D
Acq: 11 Dec 2019 20:46

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 436700
Ion Ratio Lower Upper
43 100
58 62.7 48.4 72.6
57 19.3 16.6 24.8
100 14.8 11.9 17.9

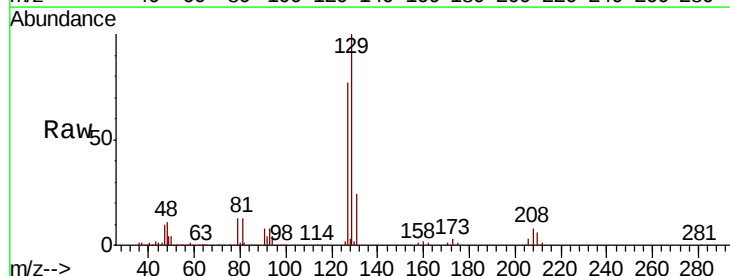


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

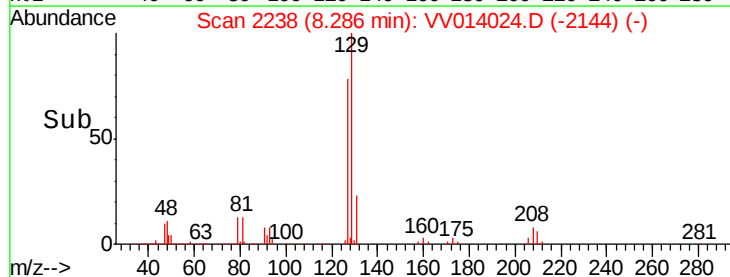
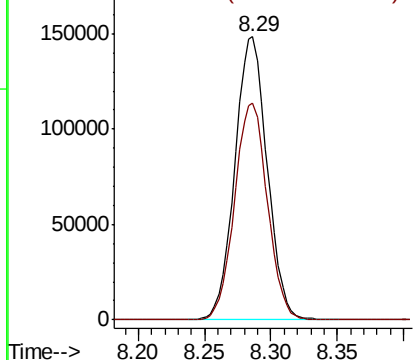


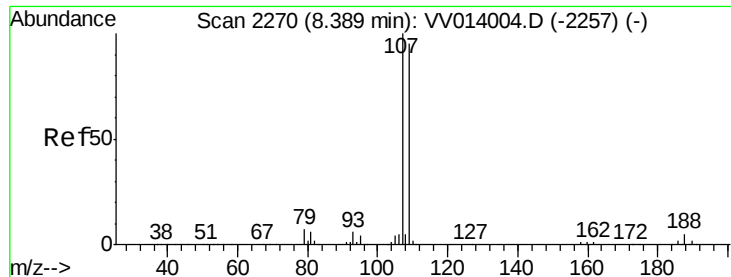
#49
Dibromochloromethane
Concen: 46.702 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV014024.D
Acq: 11 Dec 2019 20:46

Tgt Ion: 129 Resp: 251488
Ion Ratio Lower Upper
129 100
127 76.5 53.7 99.7



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

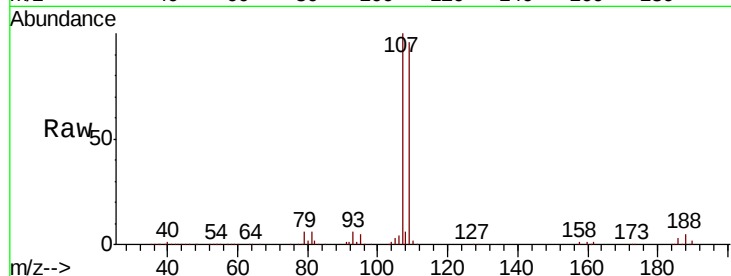




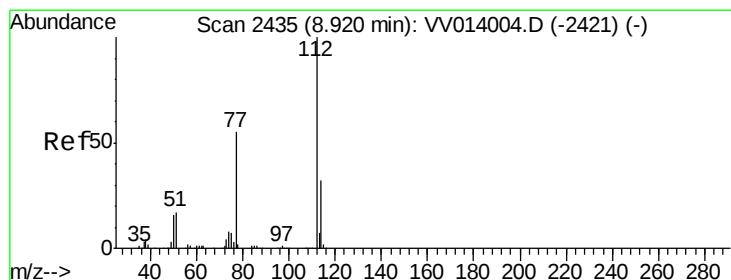
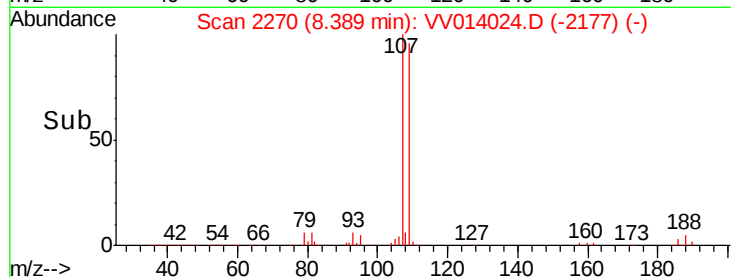
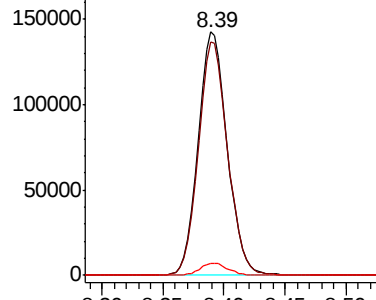
#50
1,2-Dibromoethane
Concen: 49.094 ug/L
RT: 8.39 min Scan# 2270
Delta R.T. -0.00 min
Lab File: VV014024.D
Acq: 11 Dec 2019 20:46

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.9	65.9	122.5
188	5.0	3.6	5.4

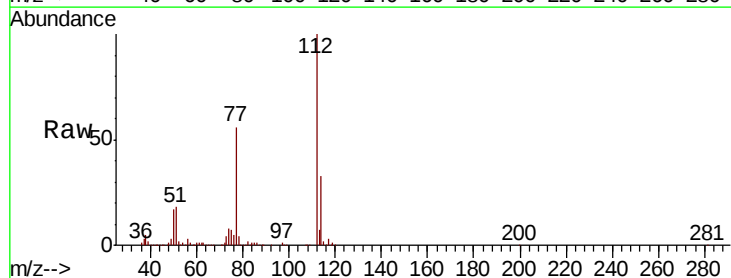


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

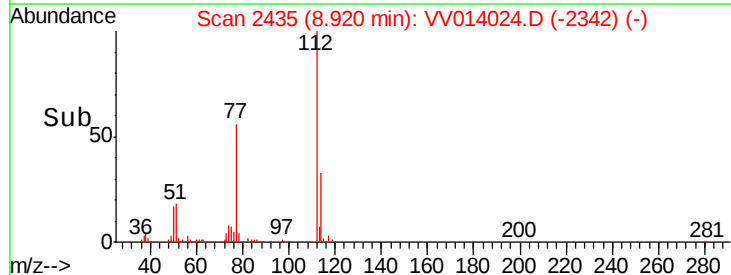
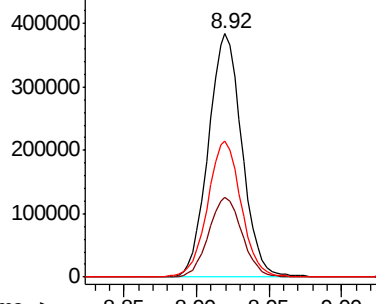


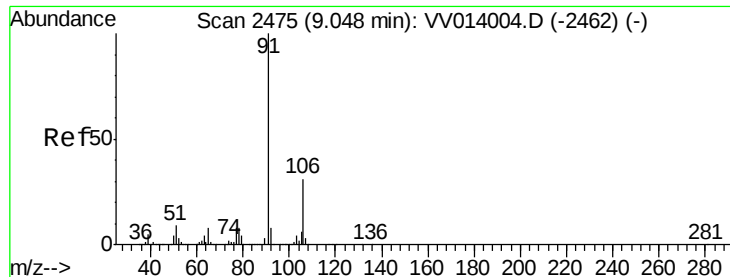
#51
Chlorobenzene
Concen: 47.342 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. -0.00 min
Lab File: VV014024.D
Acq: 11 Dec 2019 20:46

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.8	23.2	43.2
77	55.9	45.0	67.4



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): VV0





#52

Ethylbenzene

Concen: 48.746 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV014024.D

Acq: 11 Dec 2019 20:46

Instrument :

MSVOA_V

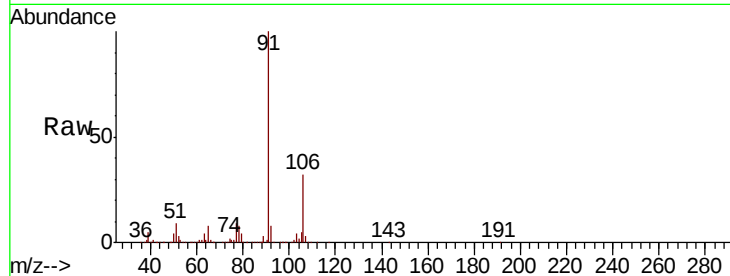
ClientSampleId :

Tot Ion: 91 Resp: 1016683

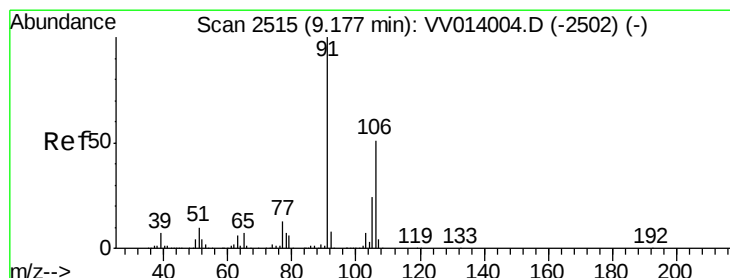
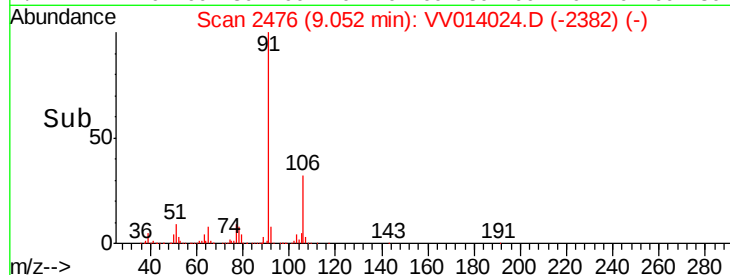
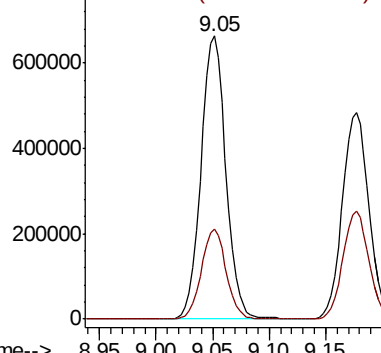
Ion Ratio Lower Upper

91 100

106 31.9 21.8 40.4



Abundance Ion 91.00 (90.70 to 91.70): VV014004.D (-2462) (-)



#53

m,p-Xylene

Concen: 49.962 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV014024.D

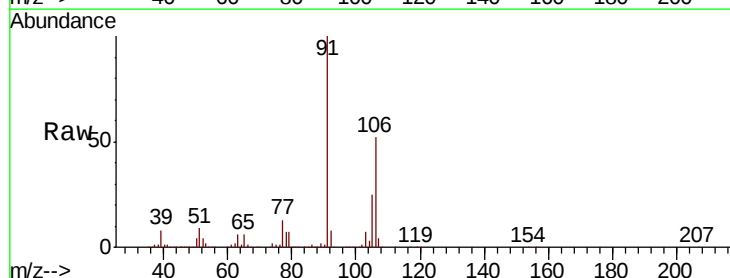
Acq: 11 Dec 2019 20:46

Tgt Ion: 106 Resp: 402967

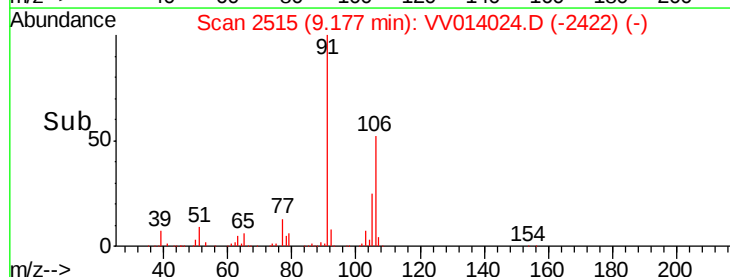
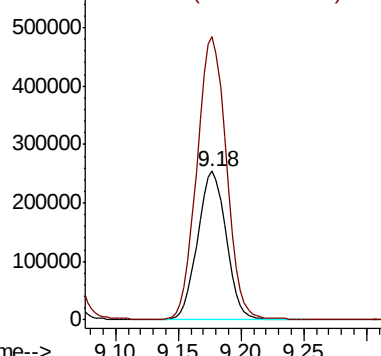
Ion Ratio Lower Upper

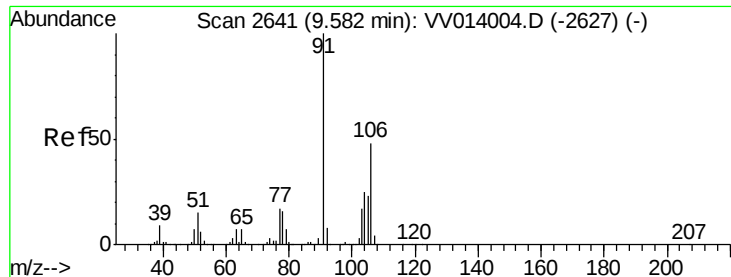
106 100

91 190.7 139.4 259.0



Abundance Ion 106.00 (105.70 to 106.70): VV014004.D (-2502) (-)





#54

o-xylene

Concen: 52.359 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV014024.D

Acq: 11 Dec 2019 20:46

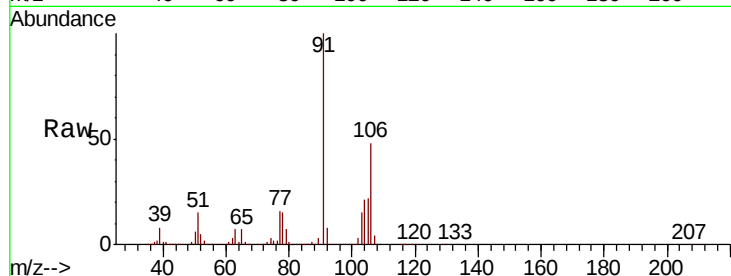
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 412906

Ion Ratio Lower Upper

106 100

91 210.0 147.1 273.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0

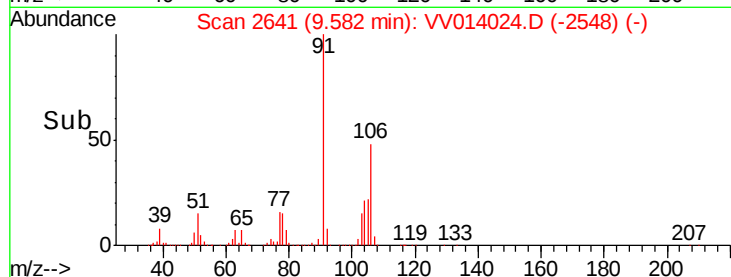
600000

400000

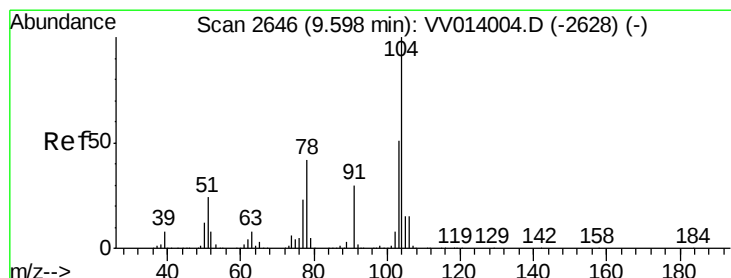
200000

0

9.50 9.55 9.60 9.65



Time-->



#55

Styrene

Concen: 50.973 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. -0.00 min

Lab File: VV014024.D

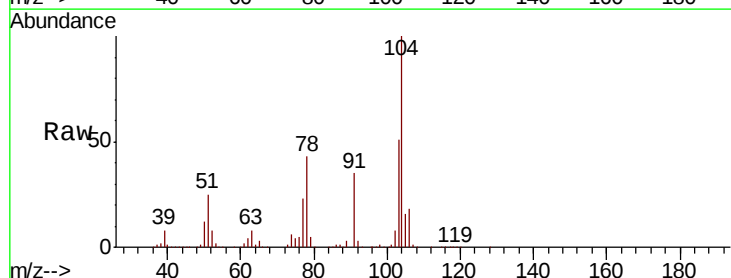
Acq: 11 Dec 2019 20:46

Tgt Ion:104 Resp: 693525

Ion Ratio Lower Upper

104 100

78 42.9 29.3 54.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0

500000

400000

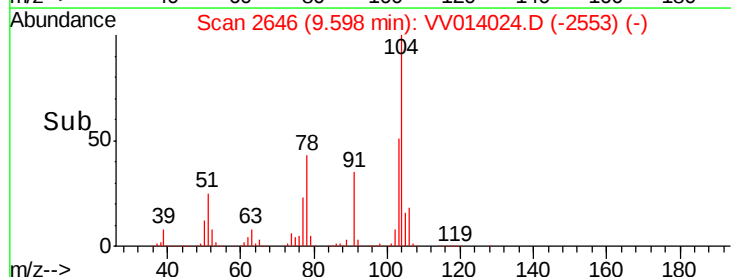
300000

200000

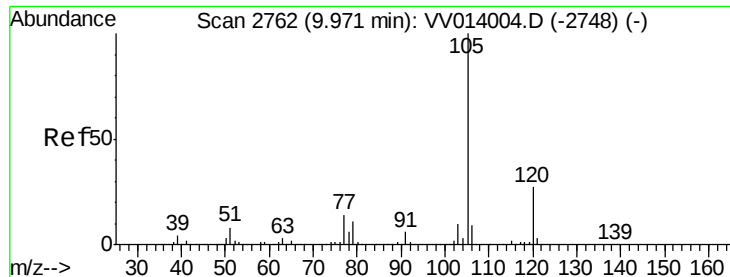
100000

0

9.50 9.60 9.70



Time-->



#56

Isopropylbenzene

Concen: 47.618 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. -0.00 min

Lab File: VV014024.D

Acq: 11 Dec 2019 20:46

Instrument :
MSVOA_V
ClientSampled :

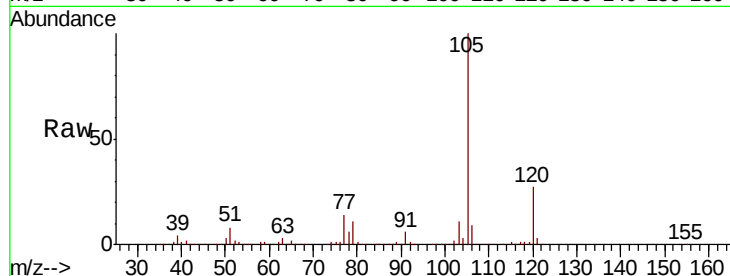
Tot Ion:105 Resp: 1009362

Ion Ratio Lower Upper

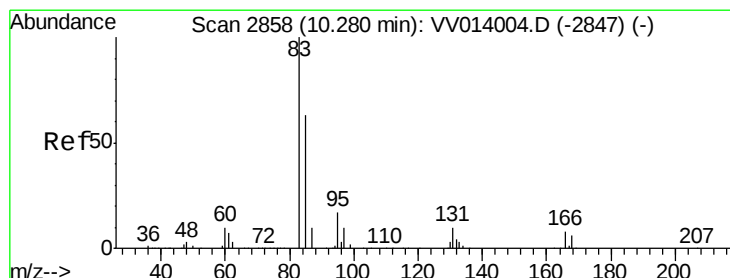
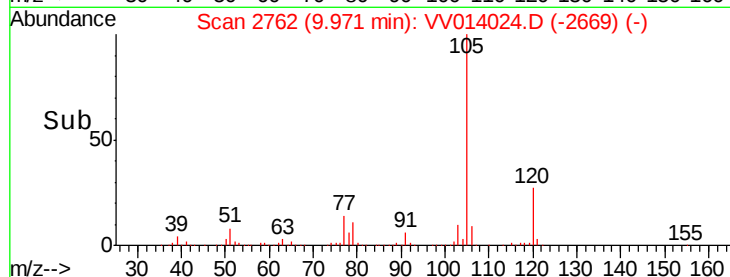
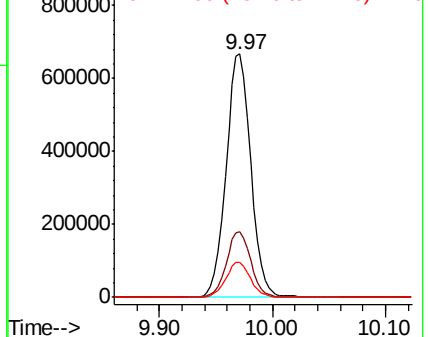
105 100

120 26.8 21.4 32.2

77 14.4 12.0 18.0



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V
Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 44.701 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. -0.00 min

Lab File: VV014024.D

Acq: 11 Dec 2019 20:46

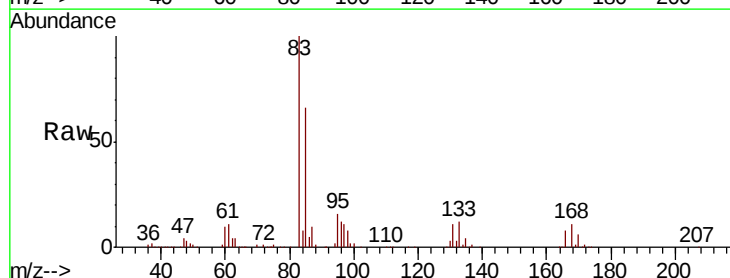
Tgt Ion: 83 Resp: 320573

Ion Ratio Lower Upper

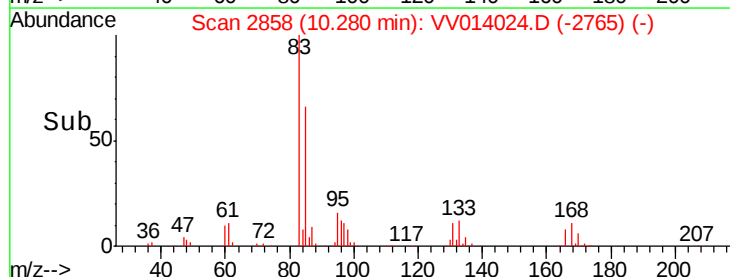
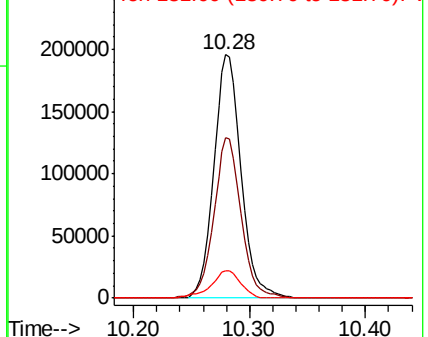
83 100

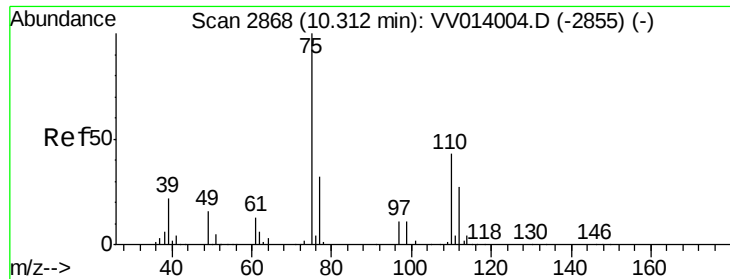
85 66.1 44.1 81.9

131 11.3 8.8 13.2



Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 85.00 (84.70 to 85.70): VV0
Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 49.896 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV014024.D

Acq: 11 Dec 2019 20:46

Instrument :

MSVOA_V

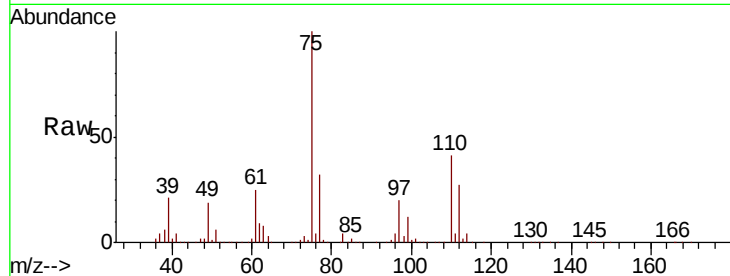
ClientSampled :

Tot Ion: 75 Resp: 299662

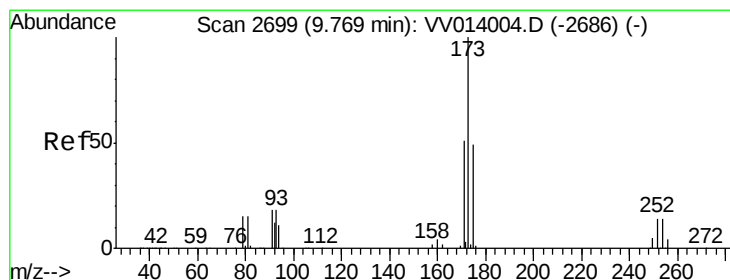
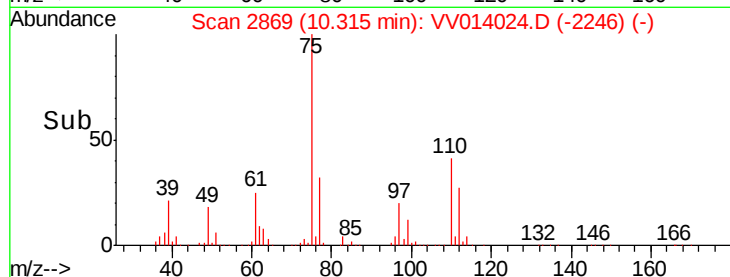
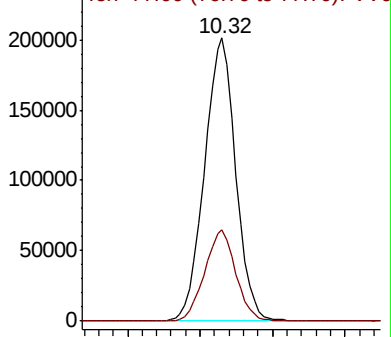
Ion Ratio Lower Upper

75 100

77 32.1 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VV014004.D (-2855) (-)



#61

Bromoform

Concen: 51.961 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VV014024.D

Acq: 11 Dec 2019 20:46

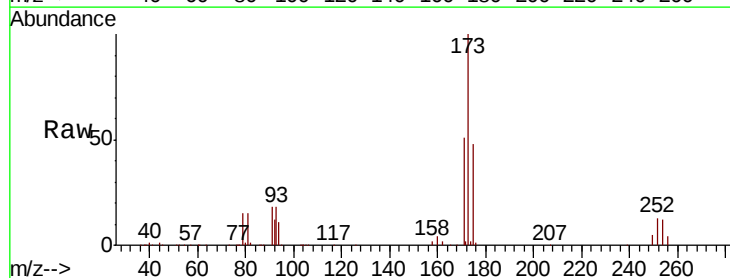
Tgt Ion: 173 Resp: 206510

Ion Ratio Lower Upper

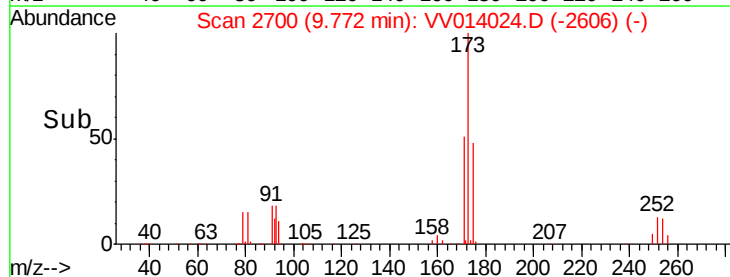
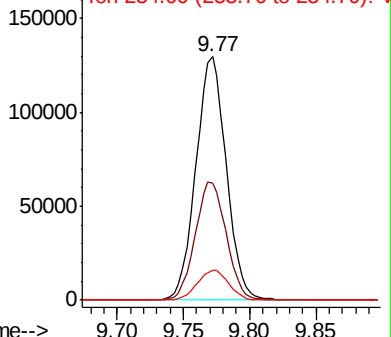
173 100

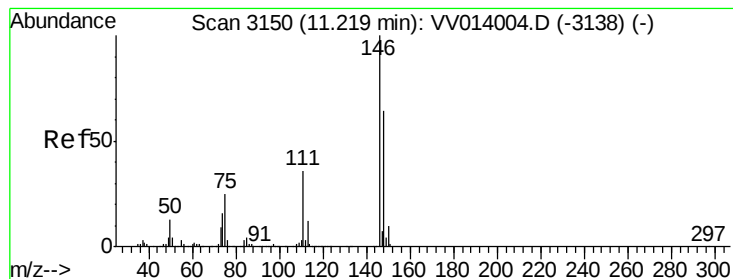
175 49.3 38.4 57.6

254 12.7 10.5 15.7



Abundance Ion 173.00 (172.70 to 173.70): VV014004.D (-2686) (-)





#62

1,3-Dichlorobenzene

Concen: 48.237 ug/L

RT: 11.22 min Scan# 3150

Delta R.T. -0.00 min

Lab File: VV014024.D

Acq: 11 Dec 2019 20:46

Instrument :

MSVOA_V

ClientSampled :

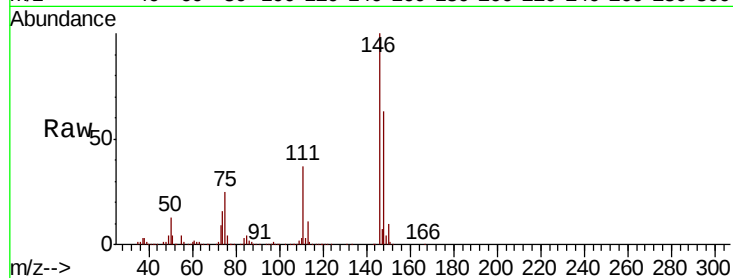
Tot Ion:146 Resp: 514230

Ion Ratio Lower Upper

146 100

111 36.9 25.8 48.0

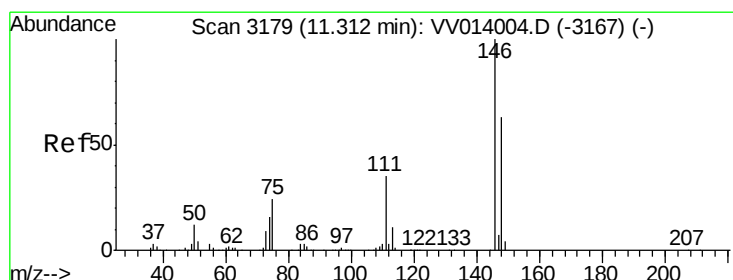
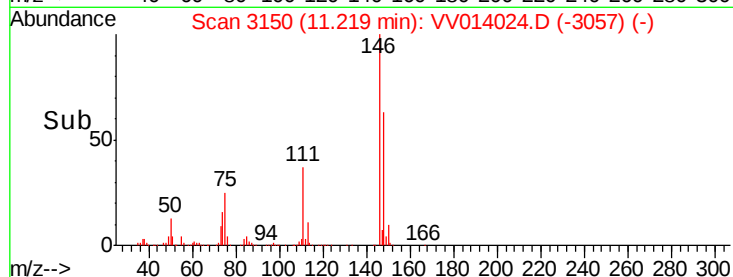
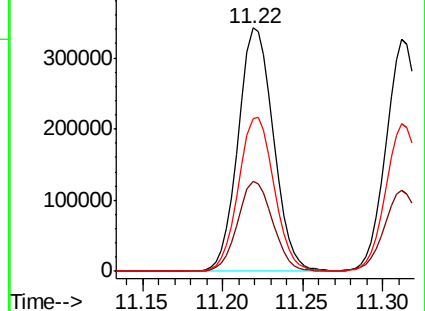
148 63.0 45.2 84.0



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: 44.850 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. -0.00 min

Lab File: VV014024.D

Acq: 11 Dec 2019 20:46

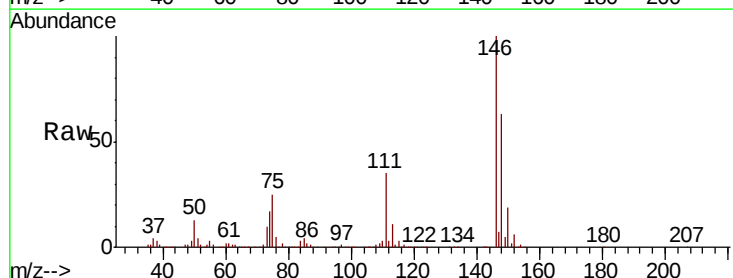
Tgt Ion:146 Resp: 494288

Ion Ratio Lower Upper

146 100

111 34.9 25.4 47.2

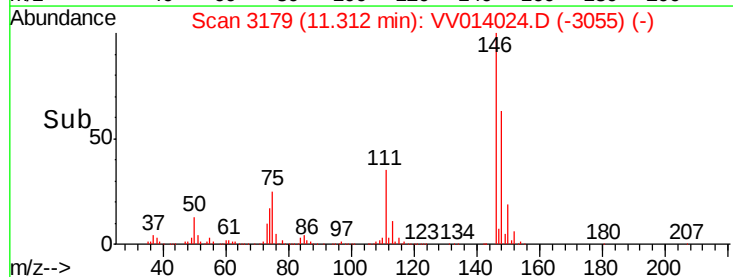
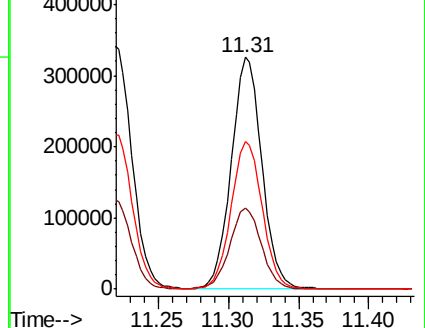
148 63.4 44.9 83.5

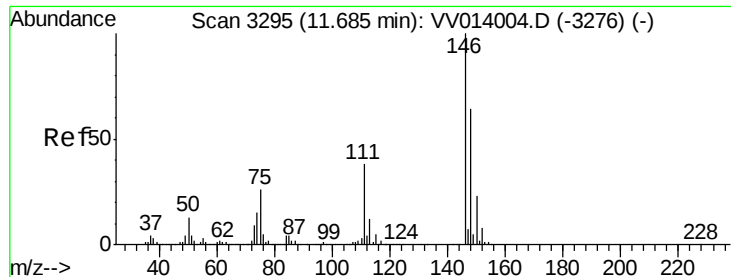


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

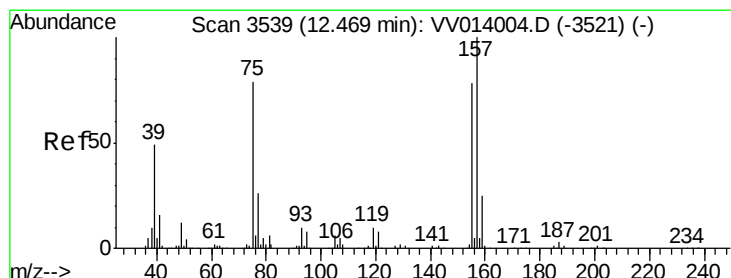
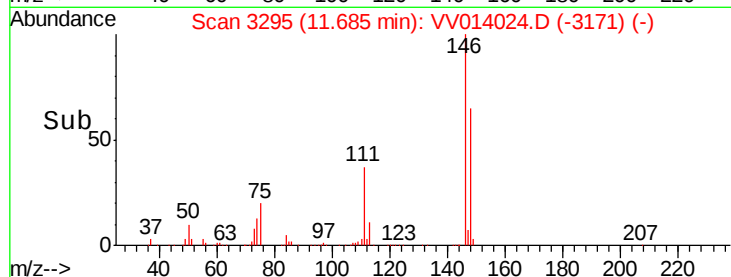
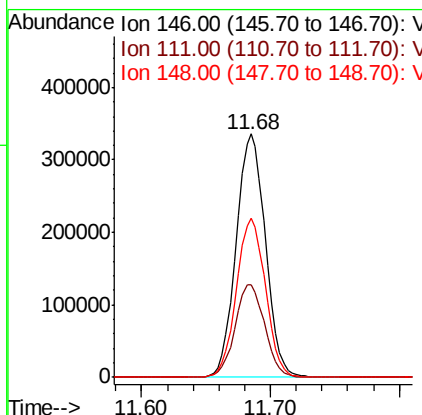
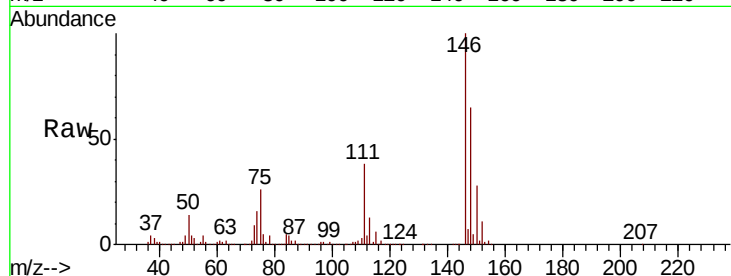




#65
 1,2-Dichlorobenzene
 Concen: 49.527 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. -0.00 min
 Lab File: VV014024.D
 Acq: 11 Dec 2019 20:46

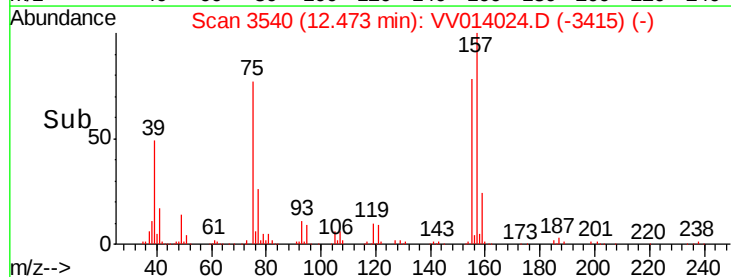
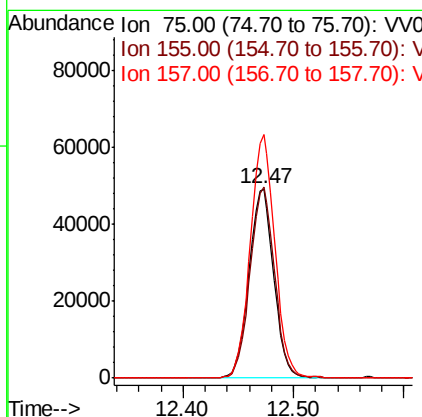
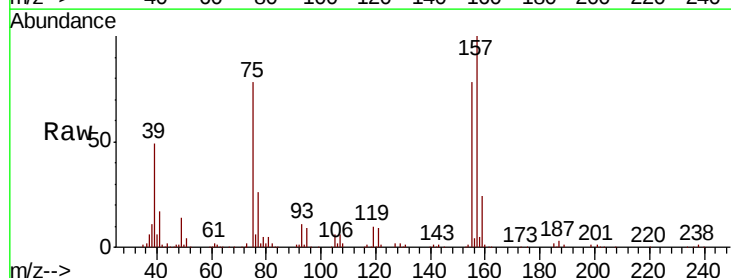
Instrument :
 MSVOA_V
 ClientSampleId :

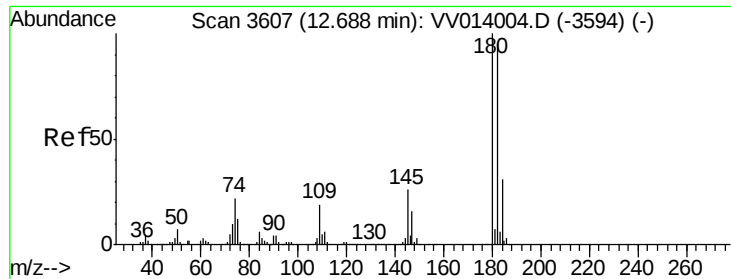
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	31.4	47.0
148	65.2	51.5	77.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 51.655 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. 0.00 min
 Lab File: VV014024.D
 Acq: 11 Dec 2019 20:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.0	78.6	117.8
157	128.8	102.6	153.8

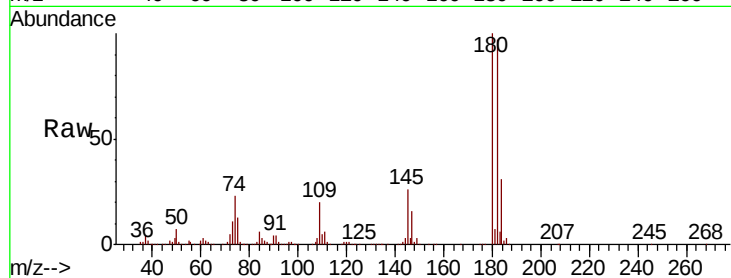




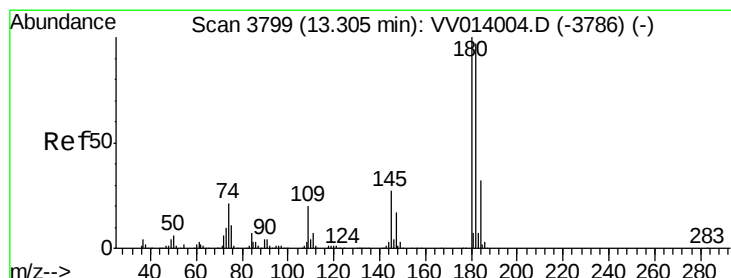
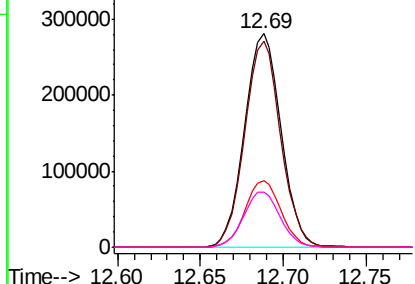
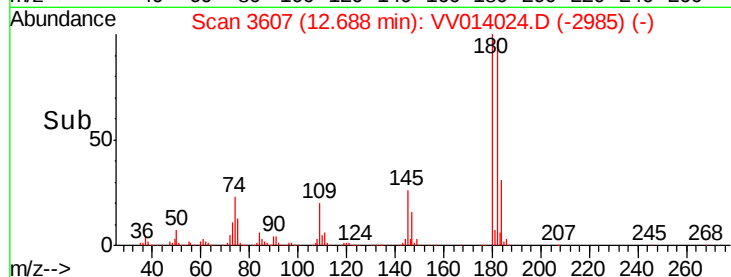
#67
 1,3,5-Trichlorobenzene
 Concen: 49.590 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VV014024.D
 Acq: 11 Dec 2019 20:46

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180	Resp:	429307
Ion	Ratio	Lower Upper
180	100	
182	95.4	76.2 114.4
184	31.0	24.2 36.4
145	26.1	21.1 31.7

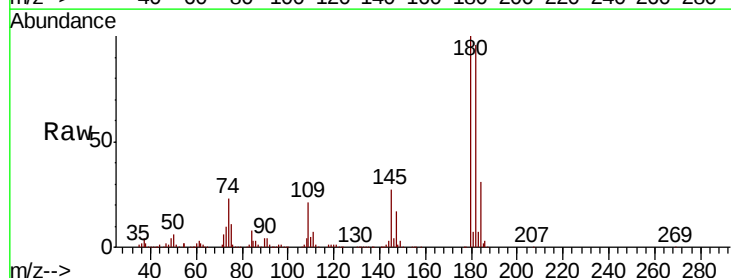


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

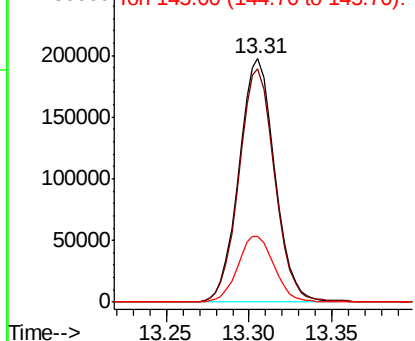
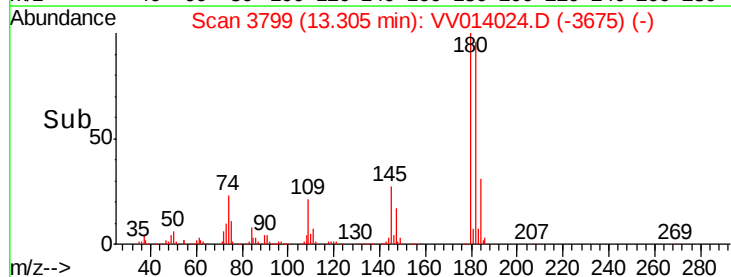


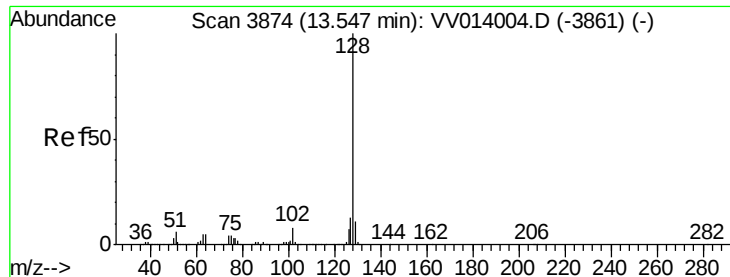
#68
 1,2,4-trichlorobenzene
 Concen: 37.909 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. -0.00 min
 Lab File: VV014024.D
 Acq: 11 Dec 2019 20:46

Tgt Ion:180	Resp:	296121
Ion	Ratio	Lower Upper
180	100	
182	96.1	76.2 114.4
145	27.6	21.9 32.9



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: 23.150 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. -0.00 min

Lab File: VV014024.D

Acq: 11 Dec 2019 20:46

Instrument :

MSVOA_V

ClientSampleId :

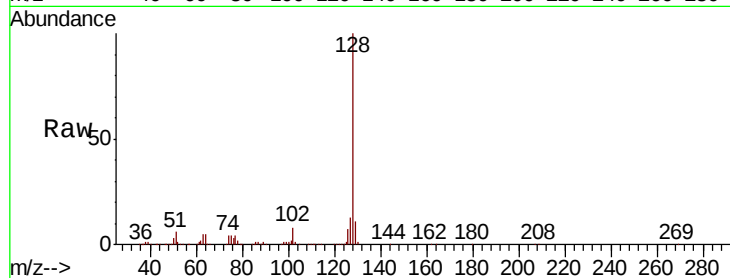
Tot Ion:128 Resp: 474812

Ion Ratio Lower Upper

128 100

127 13.4 10.5 15.7

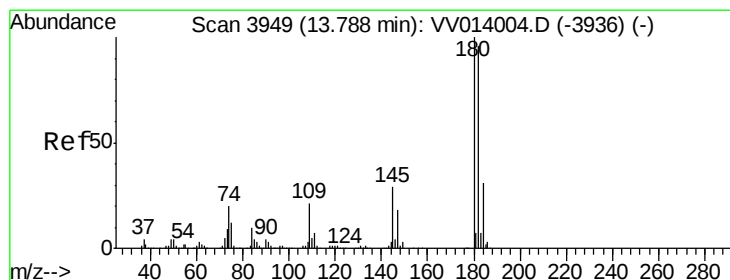
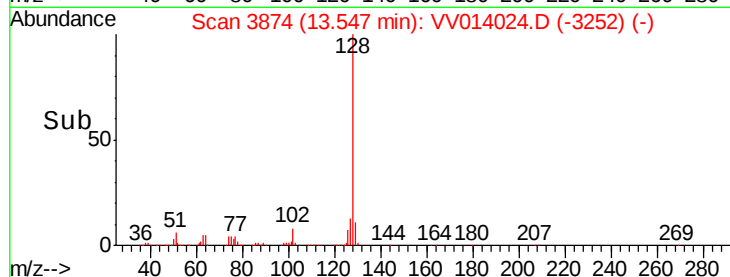
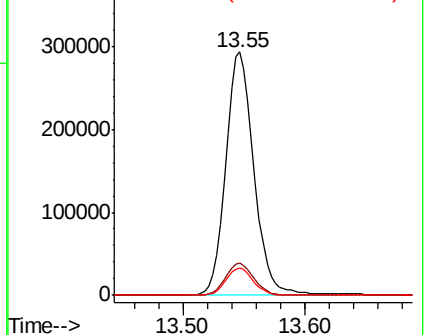
129 11.0 8.6 12.8



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: 36.707 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. -0.00 min

Lab File: VV014024.D

Acq: 11 Dec 2019 20:46

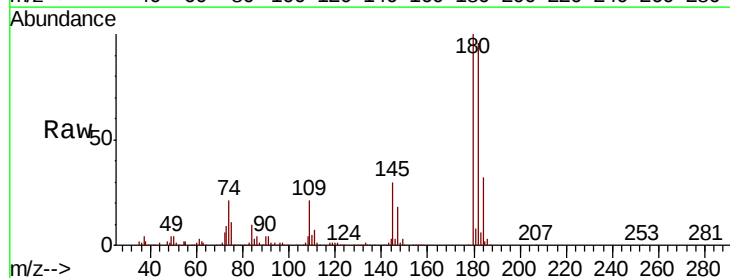
Tgt Ion:180 Resp: 299862

Ion Ratio Lower Upper

180 100

182 96.6 77.0 115.4

145 29.4 22.6 34.0



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

