

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV010220\
 Data File : VV014251.D
 Acq On : 02 Jan 2020 15:53
 Operator : SY/MD
 Sample : VSTDICV005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jan 02 17:37:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR010220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jan 02 17:34:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	905886	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	818609	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	376085	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	312468	4.93	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.60%
7) Chloroethane-d5	1.58	69	233700	4.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.40%
11) 1,1-Dichloroethene-d2	2.13	63	466127	4.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	99.80%
20) 2-Butanone-d5	3.96	46	764298	50.20	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.40%
24) Chloroform-d	4.40	84	607340	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.20%
26) 1,2-Dichloroethane-d4	5.08	65	299655	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.60%
32) Benzene-d6	5.10	84	1253894	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.60%
36) 1,2-Dichloropropane-d6	6.11	67	378605	5.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.00%
41) Toluene-d8	7.36	98	1135986	5.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	10.18%#
43) trans-1,3-Dichloropropene-	7.66	79	173398	5.18	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.60%
46) 2-Hexanone-d5	8.13	63	721906	50.89	ug/L	0.00
Spiked Amount	5.000	Range	45 - 130	Recovery	=	1017.80%#
57) 1,1,2,2-Tetrachloroethane-	10.26	84	265980	5.02	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	364556	5.16	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	357695	5.237	ug/L 98
3) Chloromethane	1.26	50	342882	5.051	ug/L 98
5) Vinyl chloride	1.32	62	320500	5.055	ug/L 95
6) Bromomethane	1.54	94	182209	5.065	ug/L 99
8) Chloroethane	1.60	64	176189	4.946	ug/L 99
9) Trichlorofluoromethane	1.77	101	401737	5.368	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	209189	5.160	ug/L 99
12) 1,1-Dichloroethene	2.14	96	206567	5.104	ug/L 87
13) Acetone	2.23	43	473483	45.156	ug/L 95
14) Carbon disulfide	2.32	76	951694	5.299	ug/L 100
15) Methyl Acetate	2.48	43	122947	5.037	ug/L 98
16) Methylene chloride	2.54	84	306878	4.658	ug/L 98
17) Methyl tert-butyl Ether	2.81	73	755408	5.043	ug/L 100
18) trans-1,2-Dichloroethene	2.79	96	319087	5.245	ug/L 99
19) 1,1-Dichloroethane	3.23	63	610909	5.123	ug/L 98
21) 2-Butanone	4.04	43	809460	51.465	ug/L 98
22) cis-1,2-Dichloroethene	3.96	96	338778	5.080	ug/L # 98

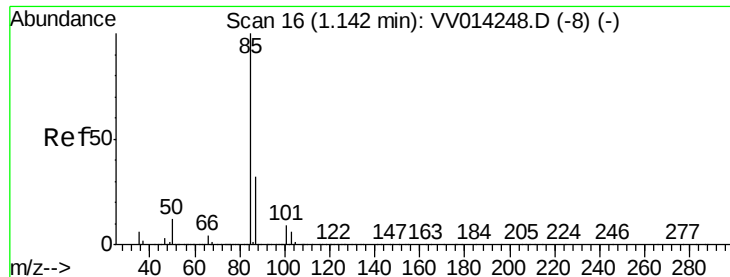
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV010220\
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jan 02 17:34:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	131153	5.173	ug/L	97
25) Chloroform	4.42	83	575316	5.040	ug/L	100
27) 1,2-Dichloroethane	5.18	62	348301	5.100	ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	513796	5.272	ug/L	100
30) Cyclohexane	4.72	56	584887	5.436	ug/L	100
31) Carbon tetrachloride	4.87	117	438273	5.252	ug/L	98
33) Benzene	5.14	78	1314657	5.215	ug/L	100
34) Trichloroethene	5.96	95	344497	5.317	ug/L	97
35) Methylcyclohexane	6.17	83	570540	5.386	ug/L	100
37) 1,2-Dichloropropane	6.22	63	327996	5.154	ug/L	100
38) Bromodichloromethane	6.55	83	423504	5.161	ug/L	97
39) cis-1,3-Dichloropropene	7.07	75	531927	5.163	ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	2067581	51.544	ug/L	100
42) Toluene	7.43	91	1386878	5.211	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	413294	5.224	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	206779	5.087	ug/L	97
47) Tetrachloroethene	8.02	164	229894	5.194	ug/L	98
48) 2-Hexanone	8.18	43	1452725	52.359	ug/L	99
49) Dibromochloromethane	8.29	129	265238	5.161	ug/L	97
50) 1,2-Dibromoethane	8.39	107	200777	5.100	ug/L	95
51) Chlorobenzene	8.92	112	839503	5.129	ug/L	99
52) Ethylbenzene	9.05	91	1569785	5.273	ug/L	99
53) m,p-xylene	9.18	106	582051	5.299	ug/L	99
54) o-xylene	9.58	106	558181	5.168	ug/L	98
55) Styrene	9.60	104	959036	5.242	ug/L	99
56) Isopropylbenzene	9.97	105	1506835	5.349	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	253089	5.049	ug/L	95
59) 1,2,3-Trichloropropane	10.32	75	187106	4.935	ug/L	99
61) Bromoform	9.77	173	134197	5.264	ug/L	98
62) 1,3-Dichlorobenzene	11.22	146	622460	5.294	ug/L	98
63) 1,4-Dichlorobenzene	11.31	146	622579	5.325	ug/L	100
65) 1,2-Dichlorobenzene	11.68	146	567301	5.343	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	51259	5.252	ug/L	95
67) 1,3,5-Trichlorobenzene	12.69	180	458355	5.361	ug/L	99
68) 1,2,4-trichlorobenzene	13.30	180	414191	5.523	ug/L	98
69) Naphthalene	13.54	128	850063	5.579	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	368988	5.592	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 5.237 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV014251.D

Acq: 02 Jan 2020 15:53

Instrument :

MSVOA_V

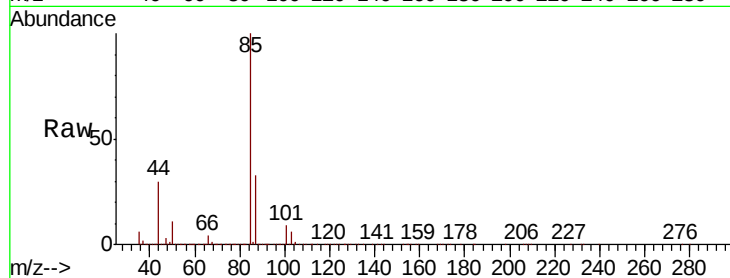
ClientSampleId :

Tot Ion: 85 Resp: 357695

Ion Ratio Lower Upper

85 100

87 33.2 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

400000

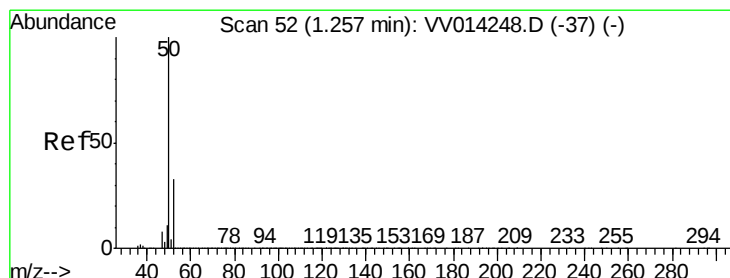
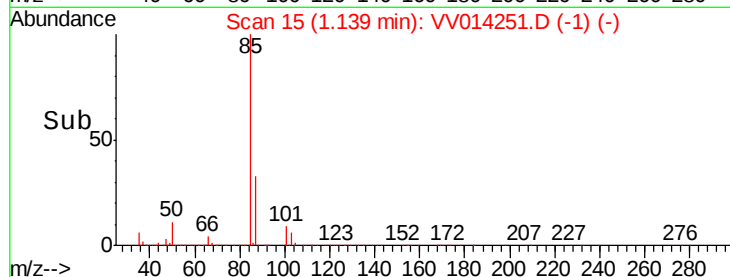
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 5.051 ug/L

RT: 1.26 min Scan# 52

Delta R.T. 0.00 min

Lab File: VV014251.D

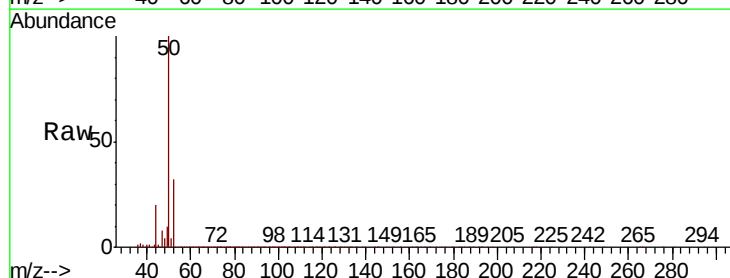
Acq: 02 Jan 2020 15:53

Tgt Ion: 50 Resp: 342882

Ion Ratio Lower Upper

50 100

52 32.4 23.4 43.4



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0

1.26

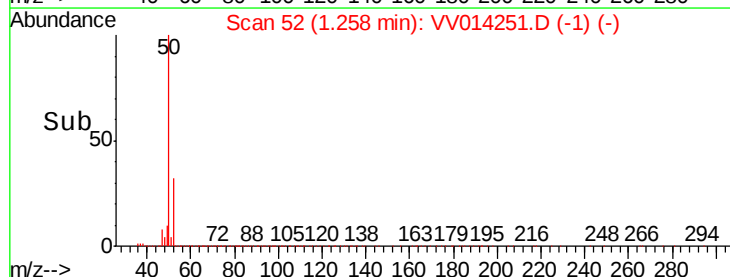
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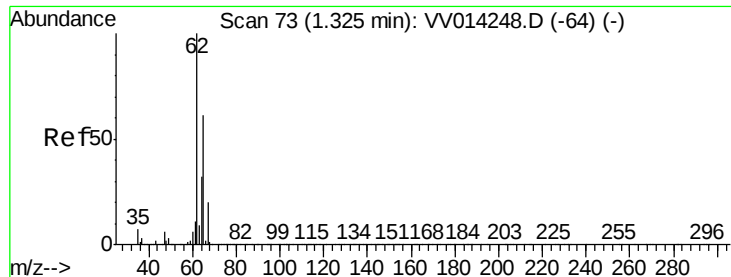
200000

100000

0

Time-->





#5

Vinyl chloride

Concen: 5.055 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV014251.D

Acq: 02 Jan 2020 15:53

Instrument :

MSVOA_V

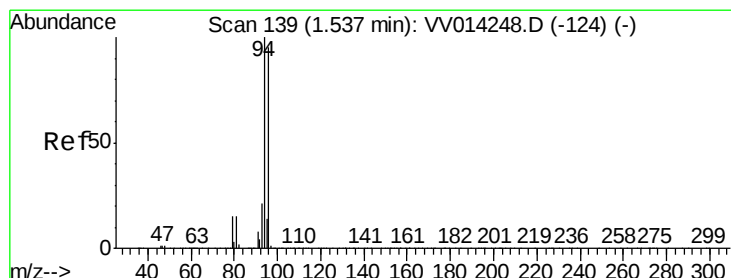
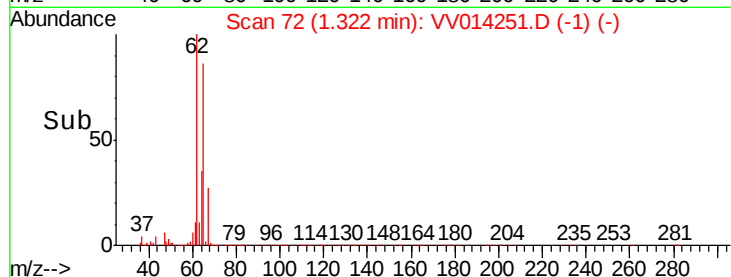
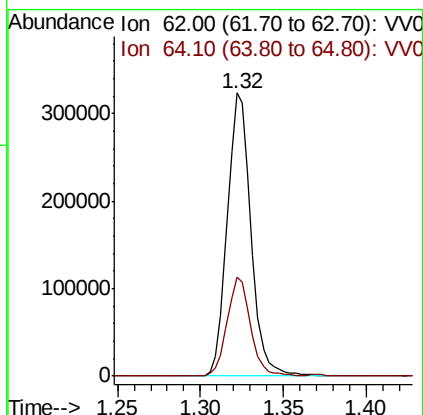
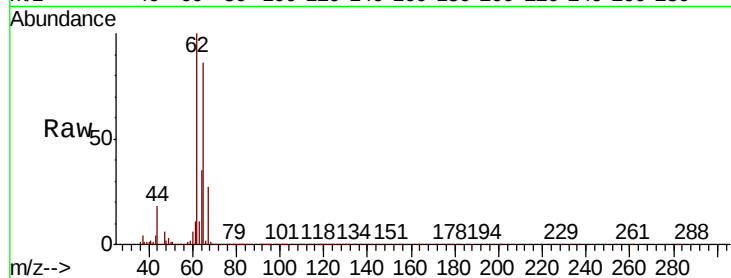
ClientSampleId :

Tot Ion: 62 Resp: 320500

Ion Ratio Lower Upper

62 100

64 35.0 22.7 42.1



#6

Bromomethane

Concen: 5.065 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV014251.D

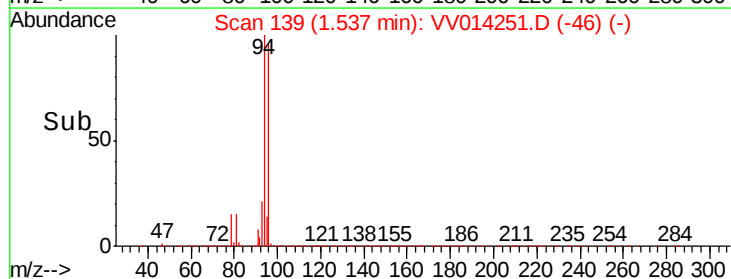
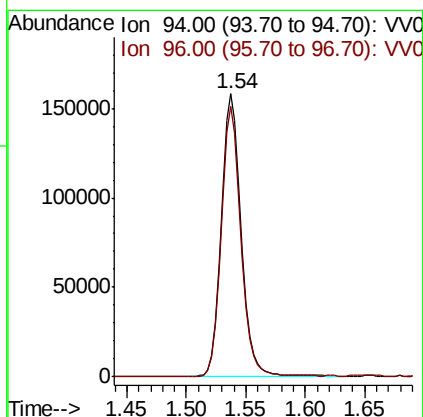
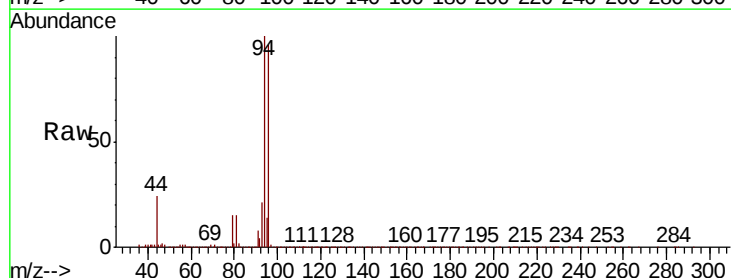
Acq: 02 Jan 2020 15:53

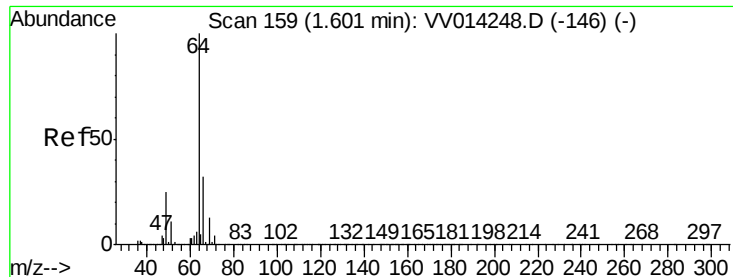
Tgt Ion: 94 Resp: 182209

Ion Ratio Lower Upper

94 100

96 95.7 66.6 123.6





#8

Chloroethane

Concen: 4.946 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

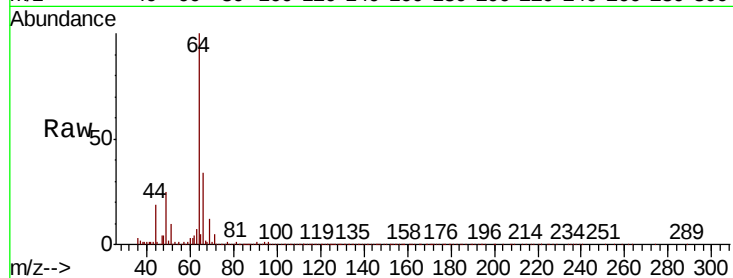
Lab File: VV014251.D

Acq: 02 Jan 2020 15:53

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 176189

Ion	Ratio	Lower	Upper
64	100		
66	33.5	23.0	42.6



Abundance Ion 64.10 (63.80 to 64.80): VV014248.D (-146) (-)

Ion 66.05 (65.75 to 66.75): VV014248.D (-146) (-)

1.60

150000

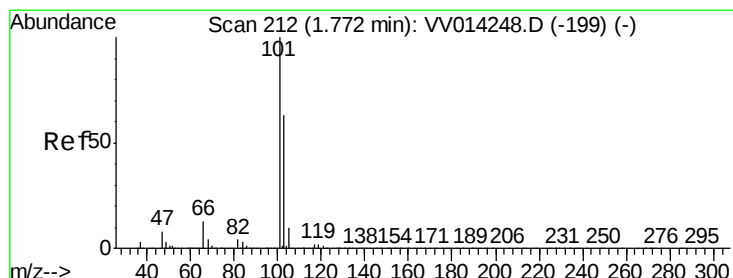
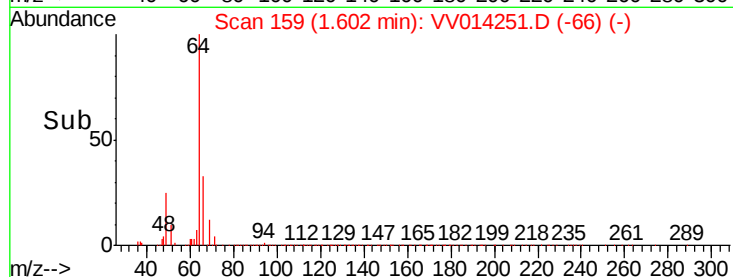
100000

50000

0

Time-->

1.55 1.60 1.65 1.70



#9

Trichlorofluoromethane

Concen: 5.368 ug/L

RT: 1.77 min Scan# 212

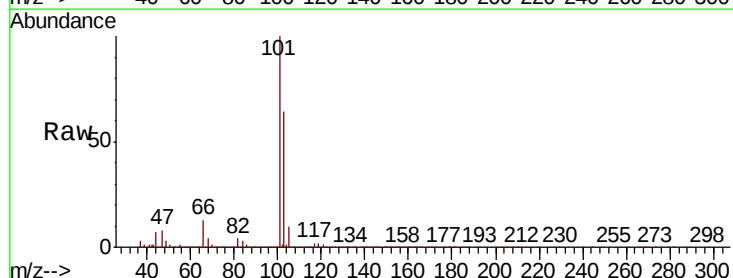
Delta R.T. 0.00 min

Lab File: VV014251.D

Acq: 02 Jan 2020 15:53

Tgt Ion: 101 Resp: 401737

Ion	Ratio	Lower	Upper
101	100		
103	64.0	51.8	77.6



Abundance Ion 101.00 (100.70 to 101.70): VV014248.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV014248.D (-199) (-)

1.77

300000

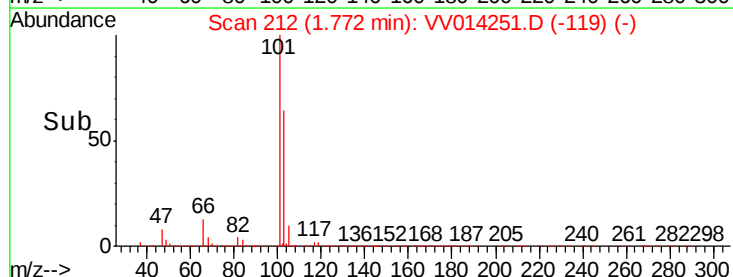
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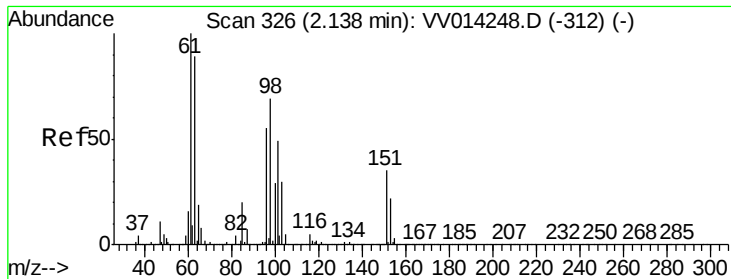
100000

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Time-->

1.70 1.75 1.80 1.85 1.90





#10

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

Concen: 5.160 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV014251.D

Acq: 02 Jan 2020 15:53

Instrument :

MSVOA_V

ClientSampleId :

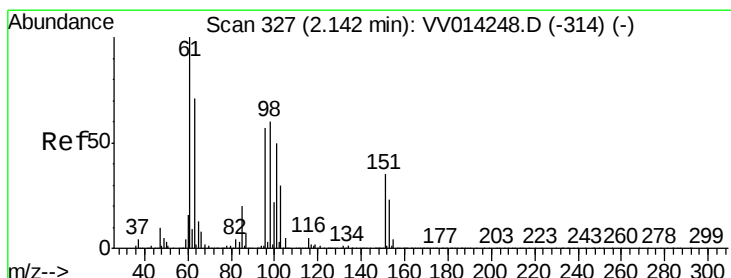
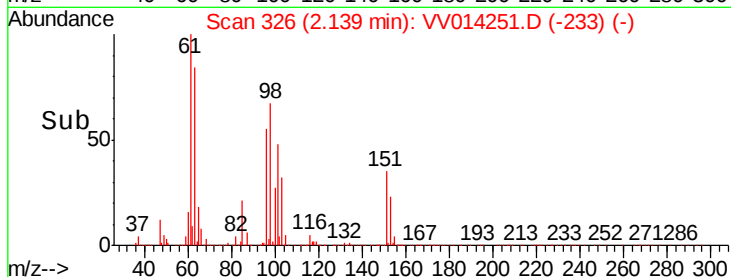
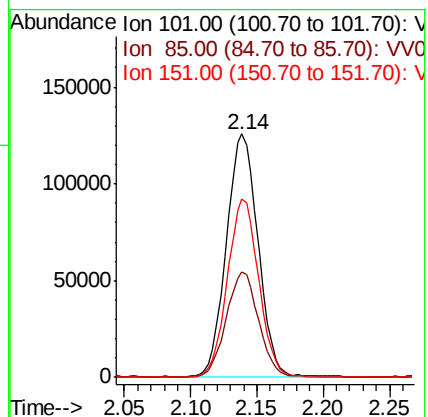
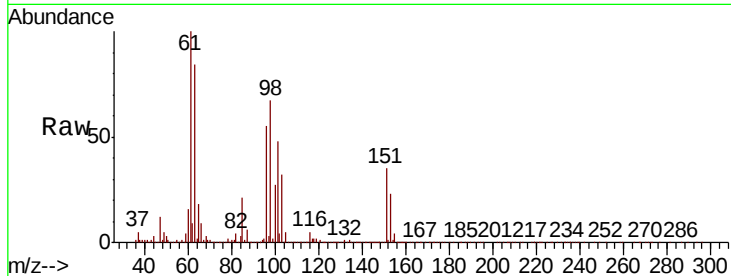
Tot Ion:101 Resp: 209189

Ion Ratio Lower Upper

101 100

85 43.7 34.0 51.0

151 72.6 57.9 86.9



#12

1,1-Dichloroethene

Concen: 5.104 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV014251.D

Acq: 02 Jan 2020 15:53

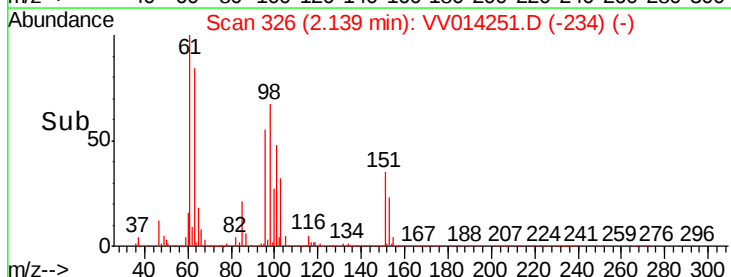
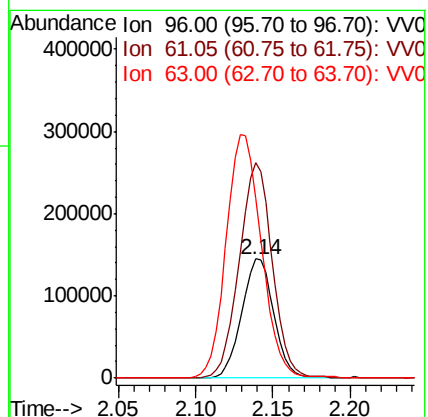
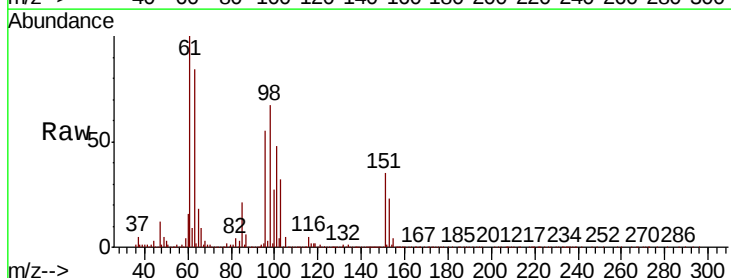
Tgt Ion: 96 Resp: 206567

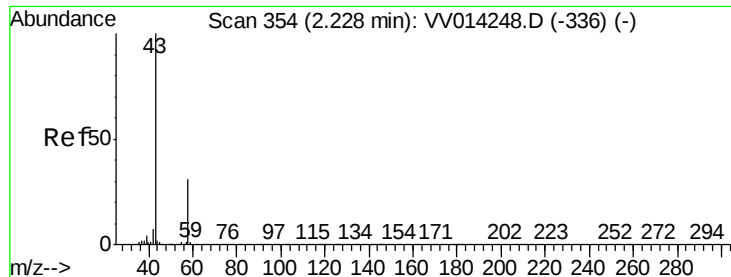
Ion Ratio Lower Upper

96 100

61 180.9 121.7 226.1

63 151.3 86.9 161.3





#13

Acetone

Concen: 45.156 ug/L

RT: 2.23 min Scan# 355

Delta R.T. 0.00 min

Lab File: VV014251.D

Acq: 02 Jan 2020 15:53

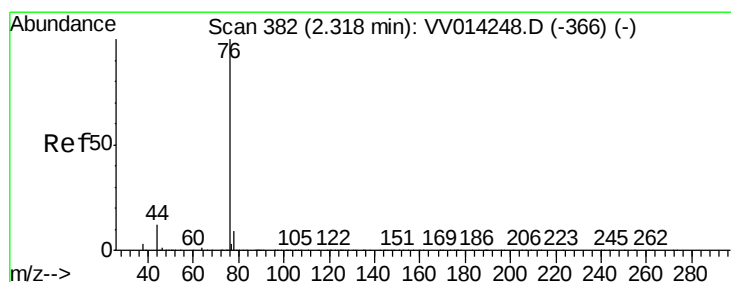
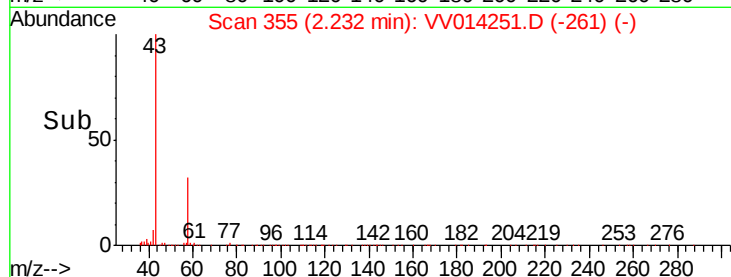
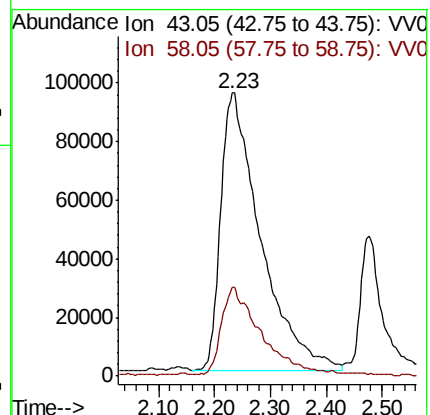
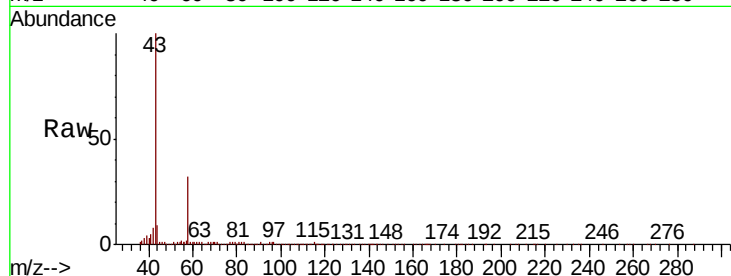
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 473483

Ion Ratio Lower Upper

43 100

58 30.3 0.0 66.4



#14

Carbon disulfide

Concen: 5.299 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV014251.D

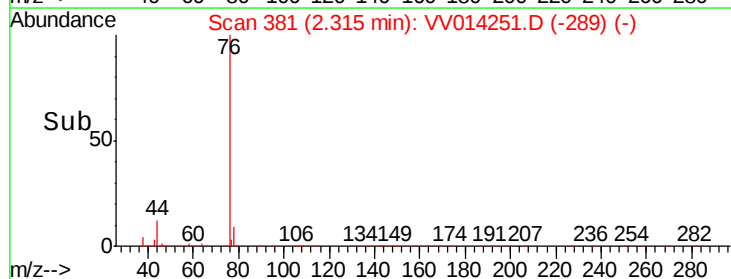
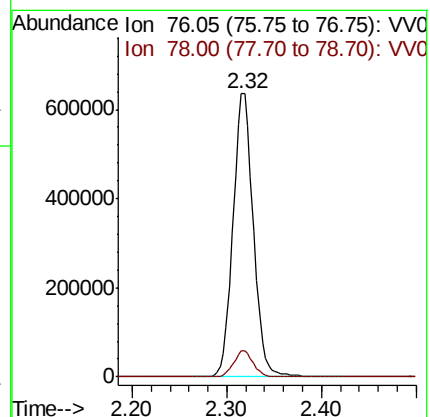
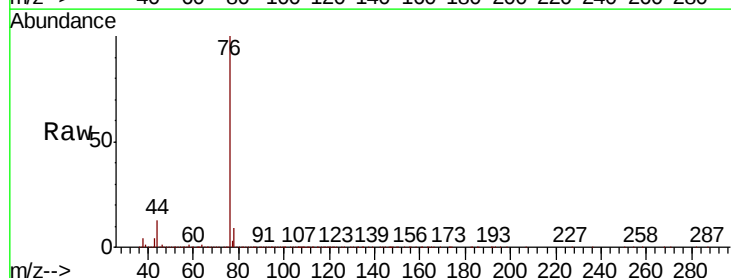
Acq: 02 Jan 2020 15:53

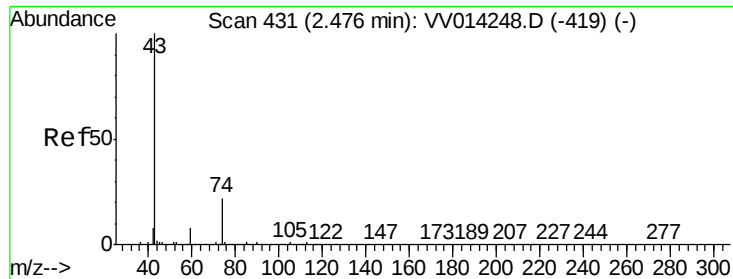
Tgt Ion: 76 Resp: 951694

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9

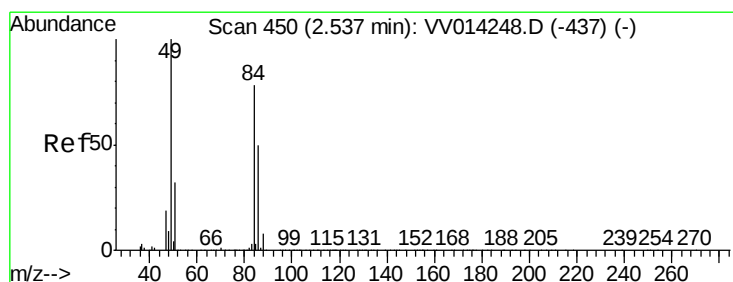
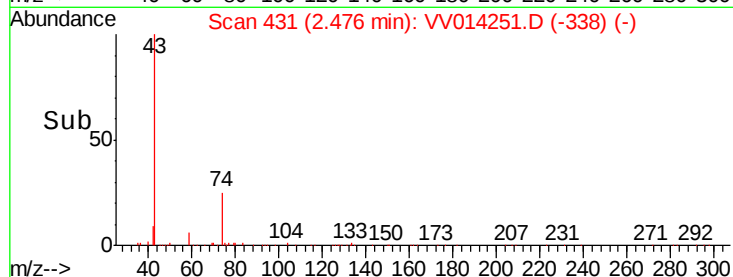
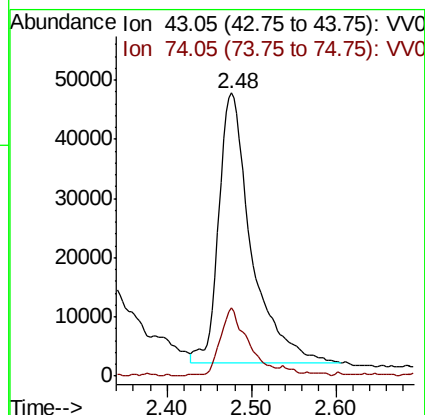
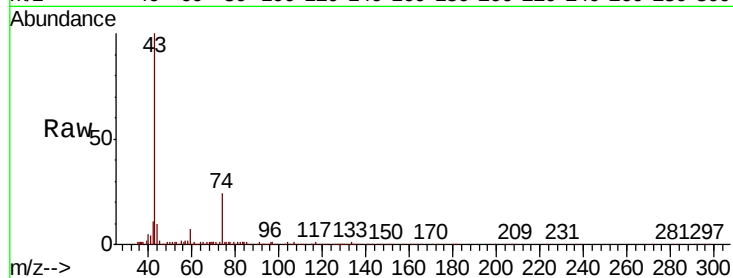




#15
Methyl Acetate
Concen: 5.037 ug/L
RT: 2.48 min Scan# 431
Delta R.T. 0.00 min
Lab File: VV014251.D
Acq: 02 Jan 2020 15:53

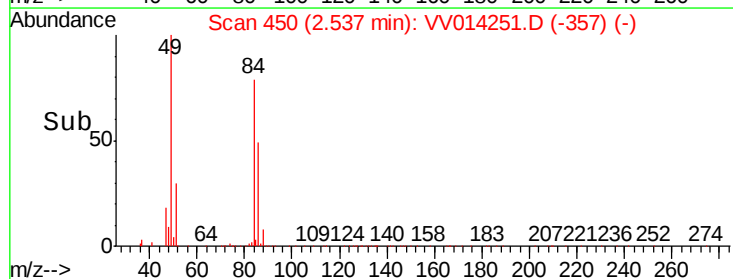
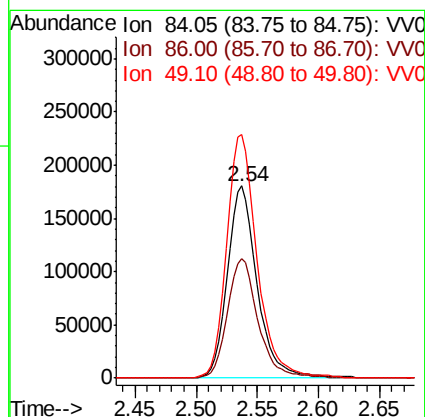
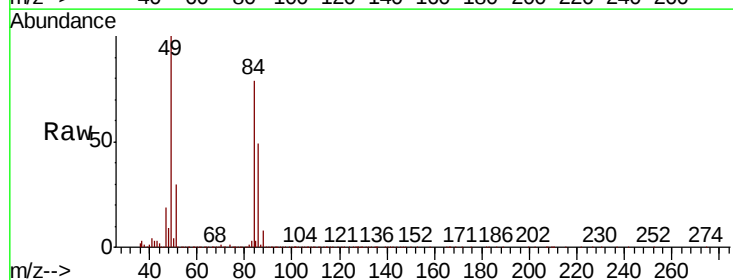
Instrument :
MSVOA_V
ClientSampled :

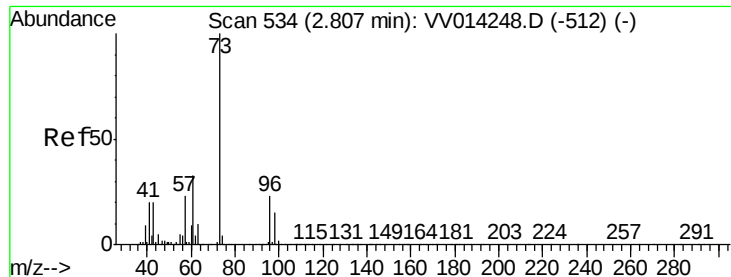
Tot Ion: 43 Resp: 122947
Ion Ratio Lower Upper
43 100
74 20.5 17.1 25.7



#16
Methylene chloride
Concen: 4.658 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV014251.D
Acq: 02 Jan 2020 15:53

Tgt Ion: 84 Resp: 306878
Ion Ratio Lower Upper
84 100
86 62.6 45.2 84.0
49 126.9 89.7 166.5

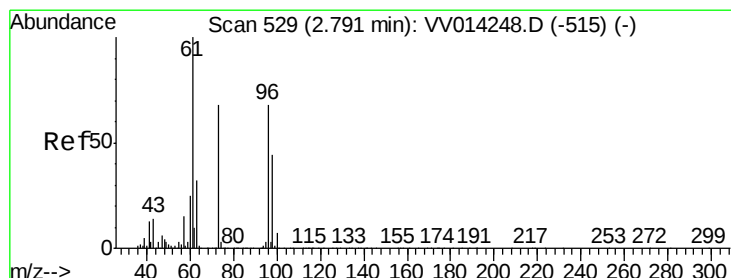
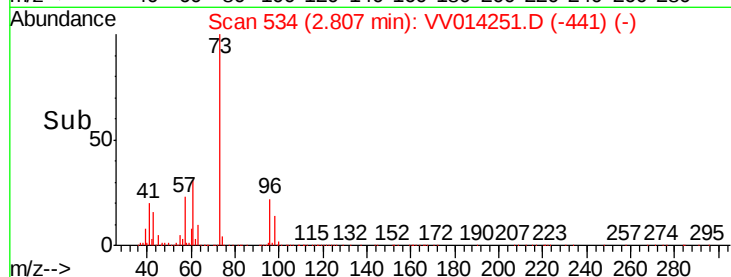
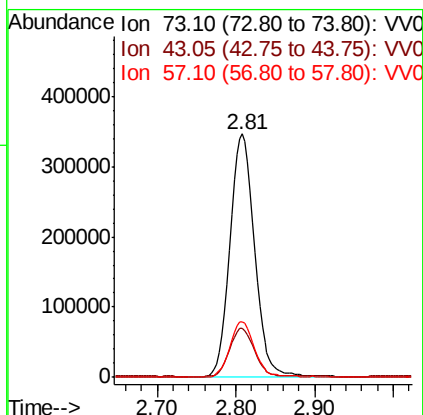
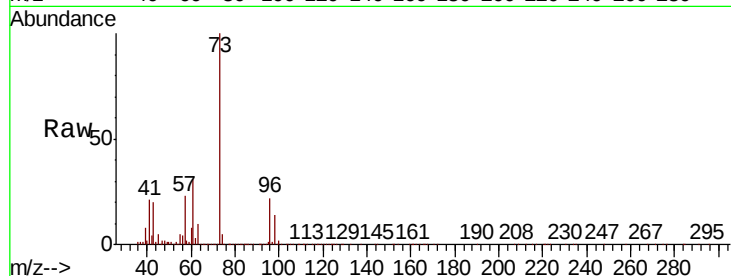




#17
Methvl tert-butvl Ether
Concen: 5.043 ug/L
RT: 2.81 min Scan# 534
Delta R.T. 0.00 min
Lab File: VV014251.D
Acq: 02 Jan 2020 15:53

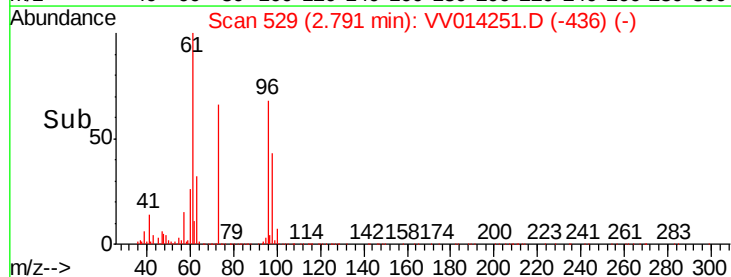
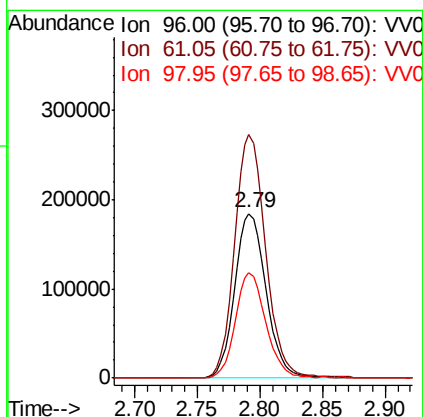
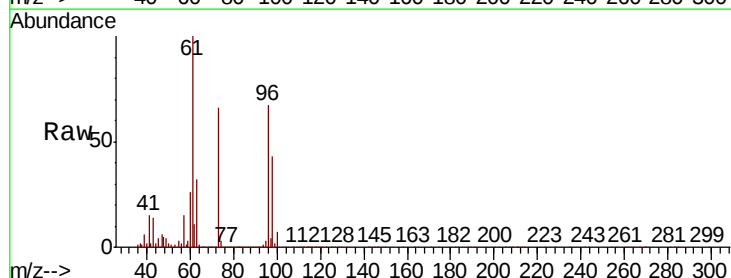
Instrument :
MSVOA_V
ClientSampleId :

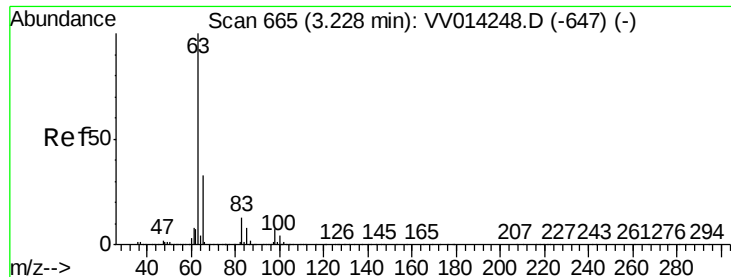
Tot Ion: 73 Resp: 755408
Ion Ratio Lower Upper
73 100
43 19.7 15.8 23.6
57 22.4 17.7 26.5



#18
trans-1,2-Dichloroethene
Concen: 5.245 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV014251.D
Acq: 02 Jan 2020 15:53

Tgt Ion: 96 Resp: 319087
Ion Ratio Lower Upper
96 100
61 148.2 102.7 190.7
98 64.4 44.7 83.1





#19

1,1-Dichloroethane

Concen: 5.123 ug/L

RT: 3.23 min Scan# 665

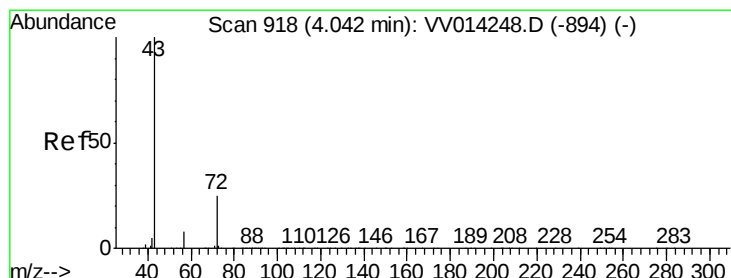
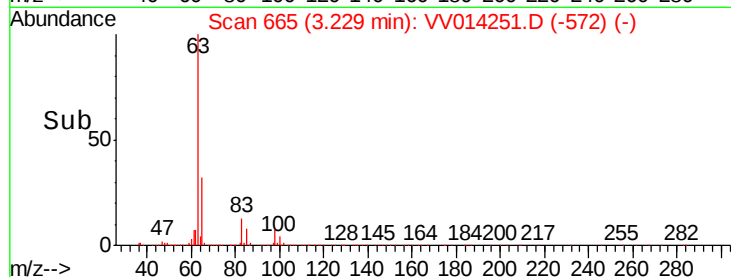
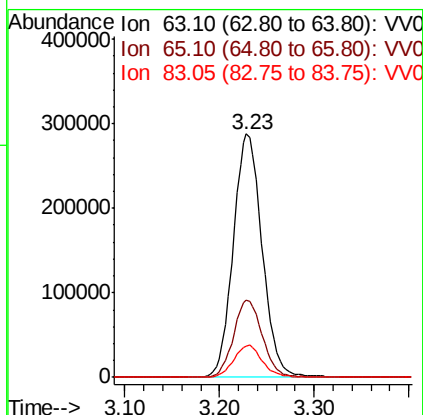
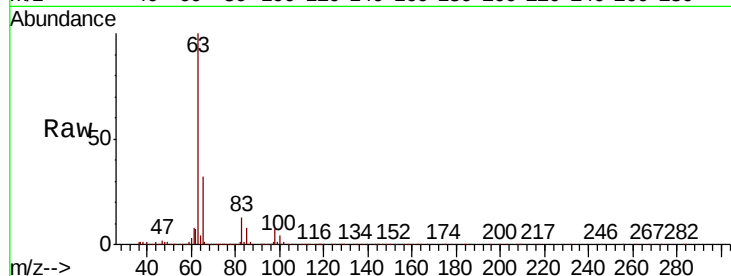
Delta R.T. 0.00 min

Lab File: VV014251.D

Acq: 02 Jan 2020 15:53

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	63	Resp:	610909
Ion	Ratio	Lower	Upper
63	100		
65	31.6	23.2	43.0
83	12.9	9.1	16.9



#21

2-Butanone

Concen: 51.465 ug/L

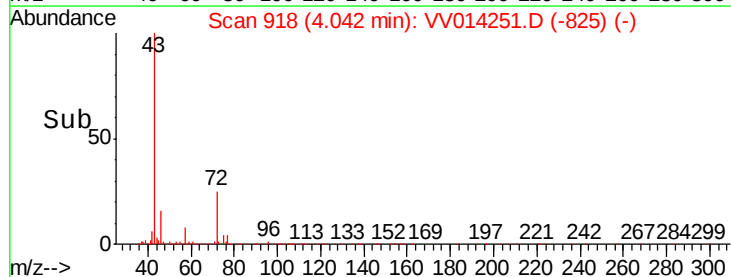
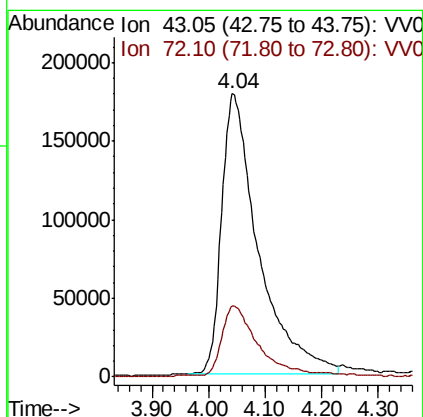
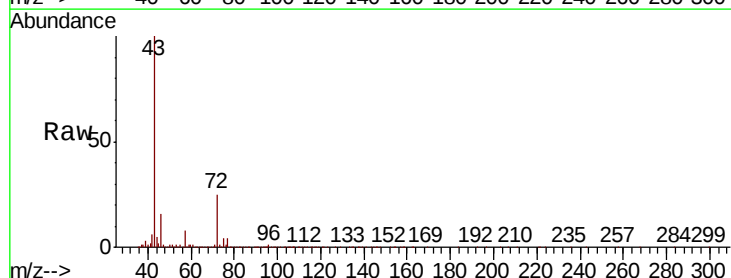
RT: 4.04 min Scan# 918

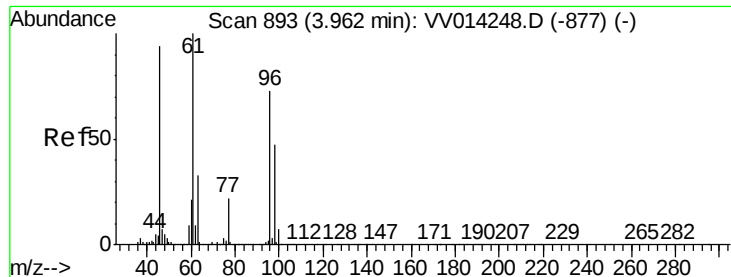
Delta R.T. 0.00 min

Lab File: VV014251.D

Acq: 02 Jan 2020 15:53

Tgt Ion:	43	Resp:	809460
Ion	Ratio	Lower	Upper
43	100		
72	24.0	12.4	37.4



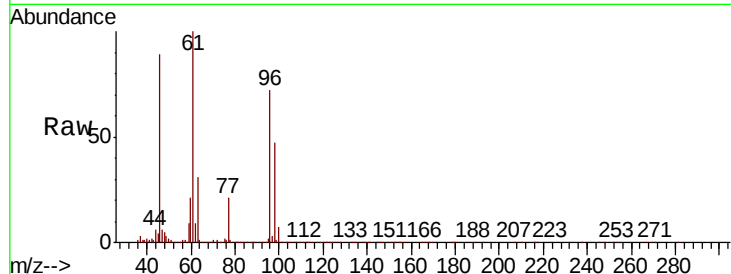


#22

cis-1,2-Dichloroethene
Concen: 5.080 ug/L
RT: 3.96 min Scan# 893
Delta R.T. 0.00 min
Lab File: VV014251.D
Acq: 02 Jan 2020 15:53

Instrument :
MSVOA_V
ClientSampled :

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.1	95.3	176.9
68	0.3	0.1	0.3

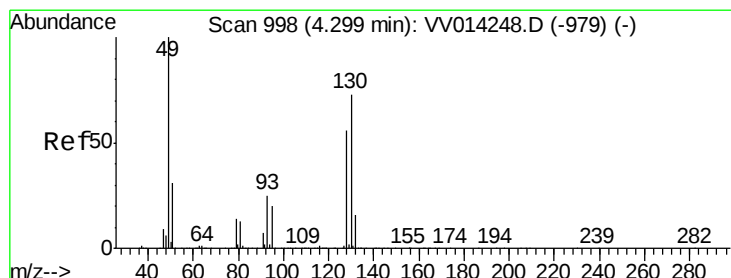
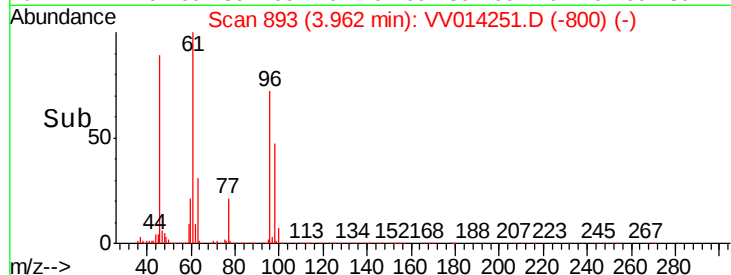
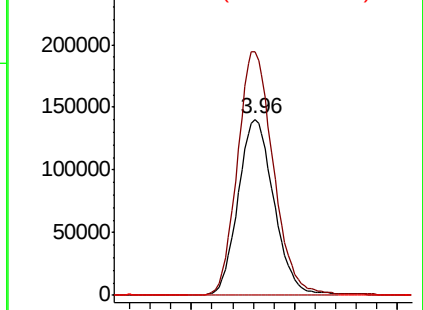


Abundance

Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0



#23

Bromochloromethane
Concen: 5.173 ug/L
RT: 4.30 min Scan# 998
Delta R.T. 0.00 min
Lab File: VV014251.D
Acq: 02 Jan 2020 15:53

Tgt Ion	Ratio	Lower	Upper
128	100		
49	184.0	125.6	233.2
130	125.0	91.6	170.2
51	56.5	45.2	67.8

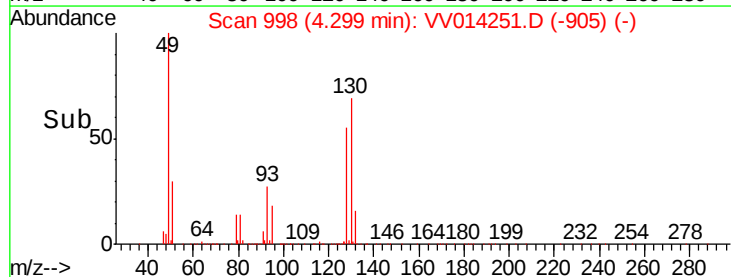
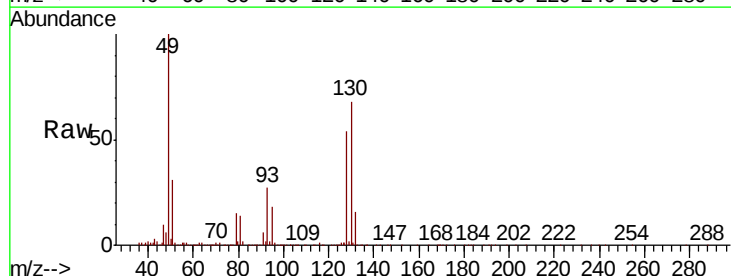
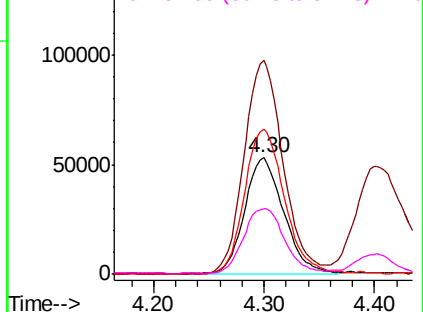
Abundance

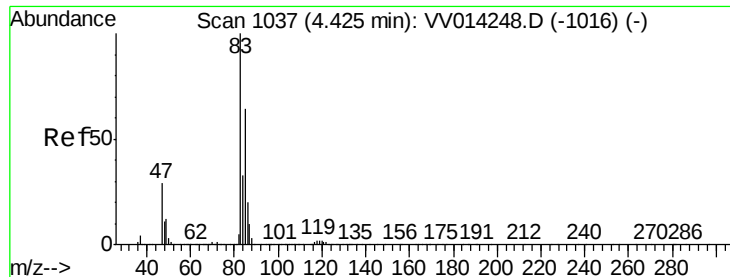
Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VV0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VV0





#25

Chloroform

Concen: 5.040 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VV014251.D

Acq: 02 Jan 2020 15:53

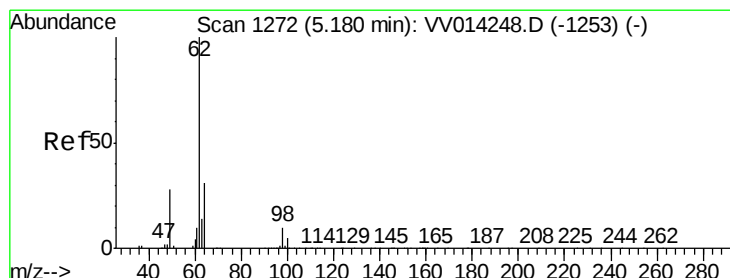
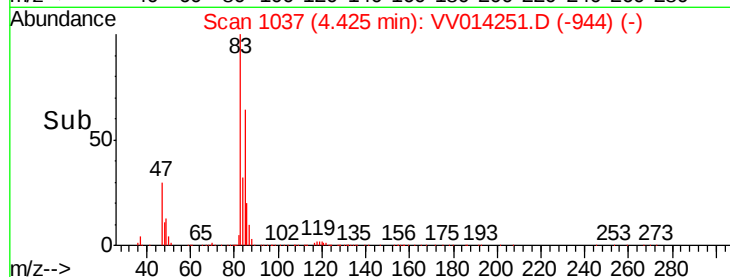
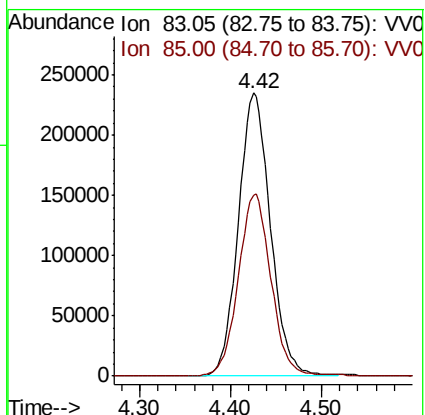
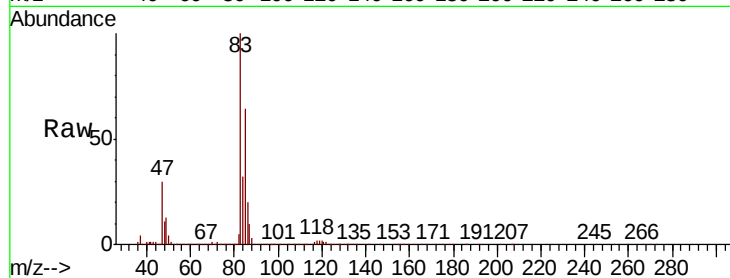
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 83 Resp: 575316

Ion Ratio Lower Upper

83 100

85 63.9 44.8 83.2



#27

1,2-Dichloroethane

Concen: 5.100 ug/L

RT: 5.18 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VV014251.D

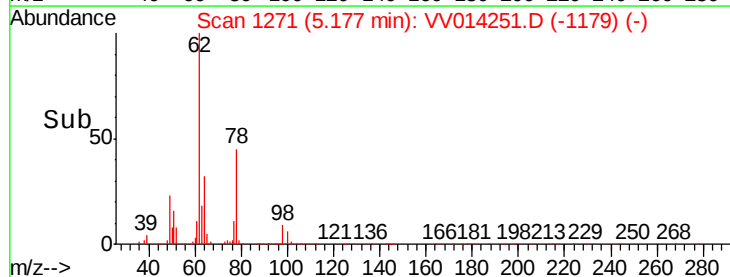
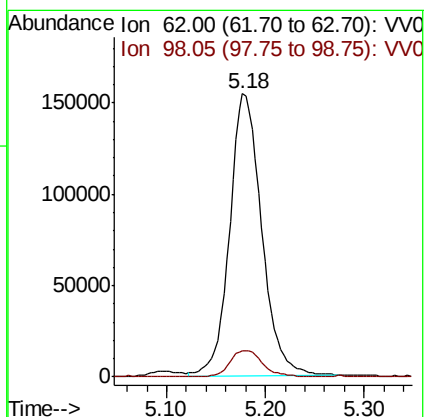
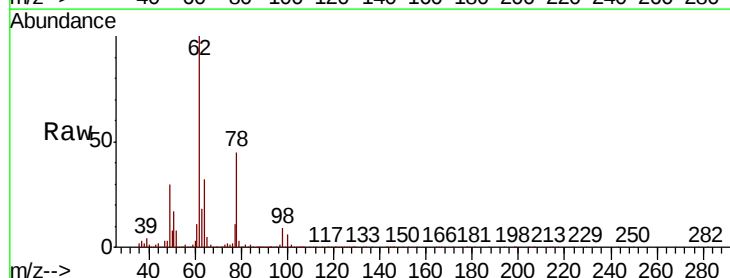
Acq: 02 Jan 2020 15:53

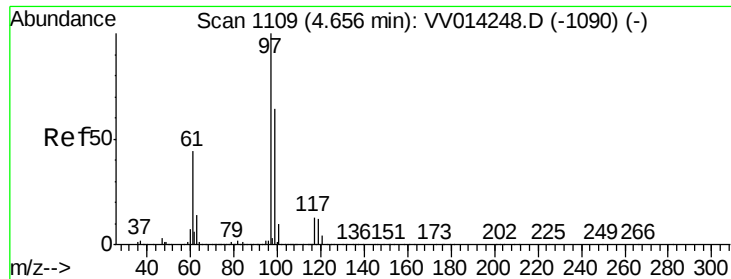
Tgt Ion: 62 Resp: 348301

Ion Ratio Lower Upper

62 100

98 9.2 7.6 11.4

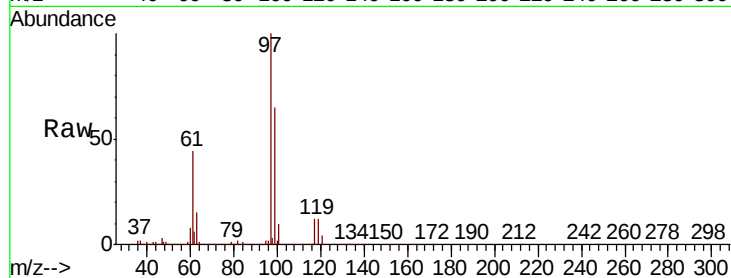




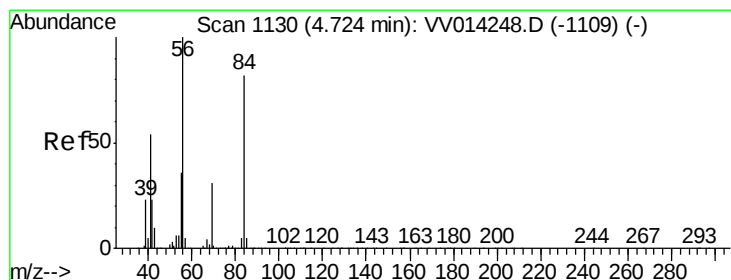
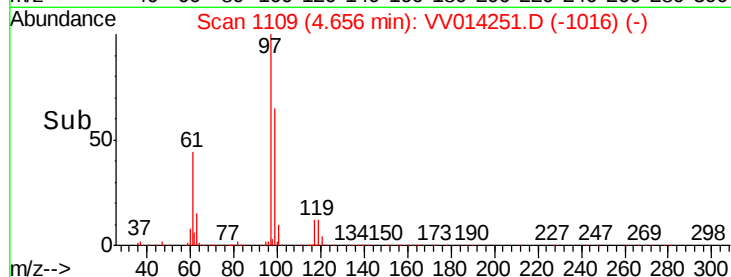
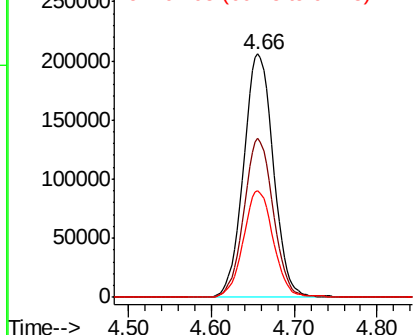
#29
 1,1,1-Trichloroethane
 Concen: 5.272 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. 0.00 min
 Lab File: VV014251.D
 Acq: 02 Jan 2020 15:53

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
97	100		
99	63.9	50.9	76.3
61	44.0	34.9	52.3

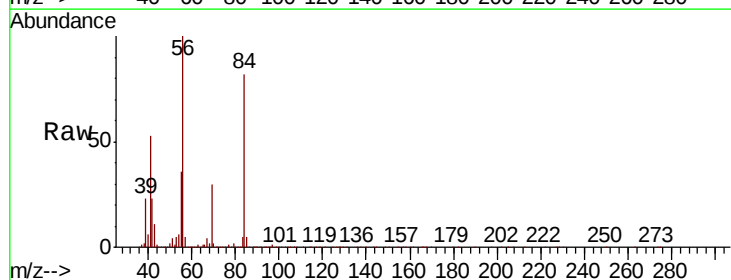


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

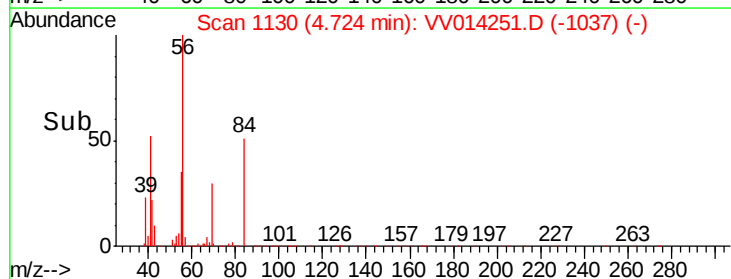
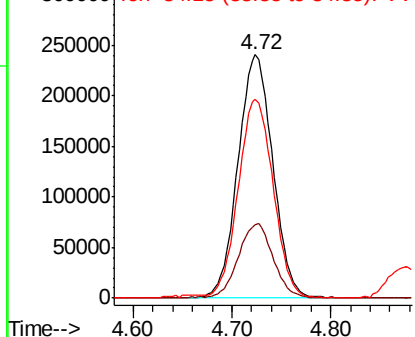


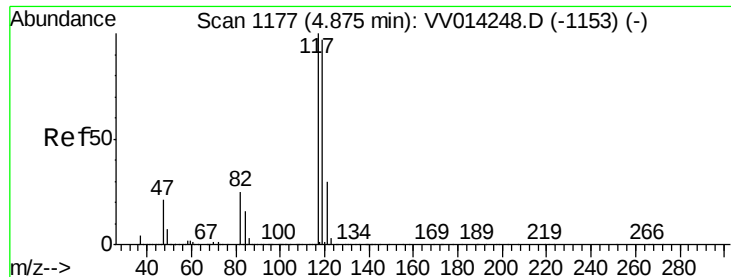
#30
 Cyclohexane
 Concen: 5.436 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. 0.00 min
 Lab File: VV014251.D
 Acq: 02 Jan 2020 15:53

Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.8	24.0	36.0
84	82.3	66.0	99.0



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





#31

Carbon tetrachloride

Concen: 5.252 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV014251.D

Acq: 02 Jan 2020 15:53

Instrument :

MSVOA_V

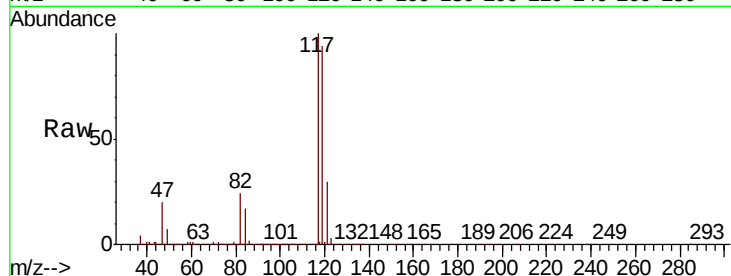
ClientSampleId :

Tot Ion:117 Resp: 438273

Ion Ratio Lower Upper

117 100

119 96.7 75.4 113.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.87

200000

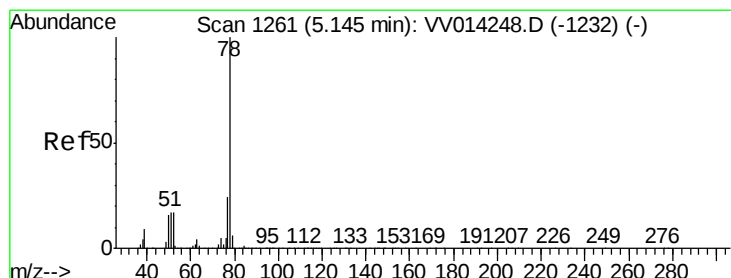
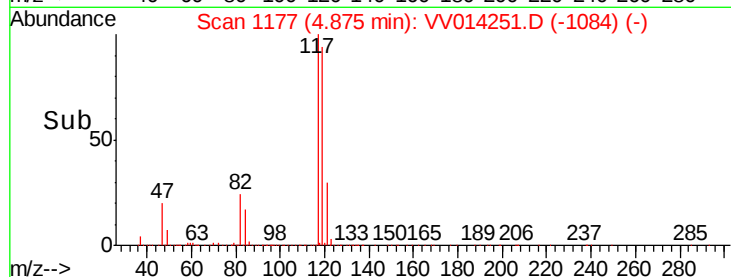
150000

100000

50000

0

Time-->



#33

Benzene

Concen: 5.215 ug/L

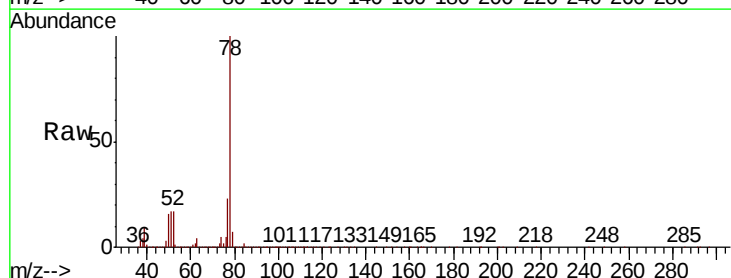
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VV014251.D

Acq: 02 Jan 2020 15:53

Tgt Ion: 78 Resp: 1314657



Abundance Ion 78.10 (77.80 to 78.80): VV0

5.14

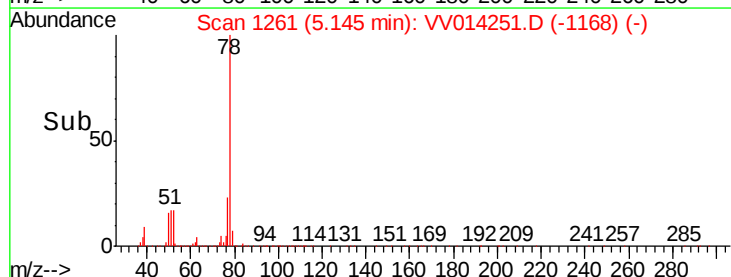
600000

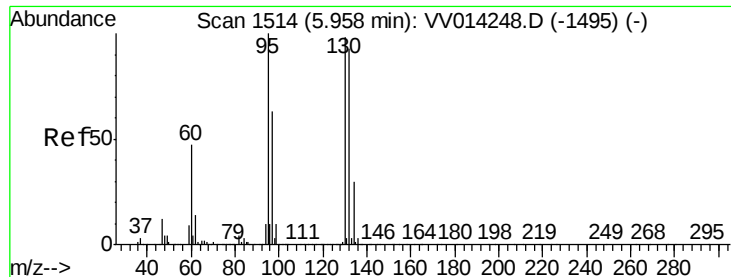
400000

200000

0

Time-->





#34

Trichloroethene

Concen: 5.317 ug/L

RT: 5.96 min Scan# 1514

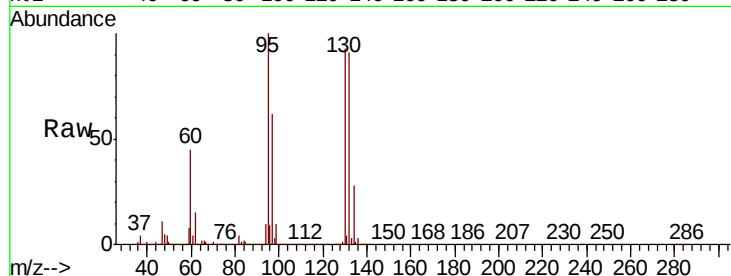
Delta R.T. 0.00 min

Lab File: VV014251.D

Acq: 02 Jan 2020 15:53

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:	95	Resp:	344497
Ion	Ratio	Lower	Upper
95	100		
97	61.6	44.2	82.2
132	90.8	65.2	121.0
130	93.4	68.7	127.7

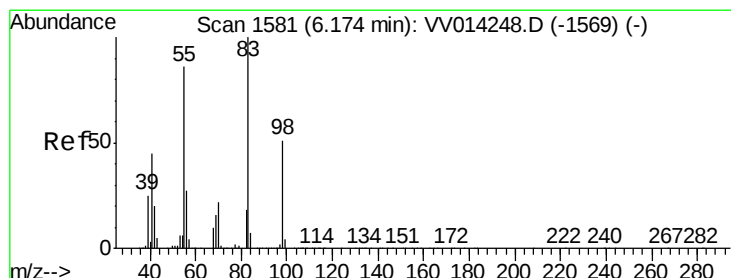
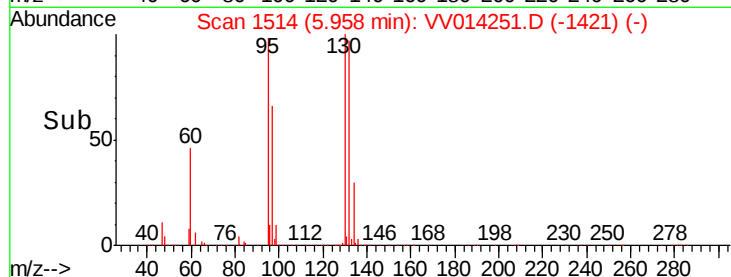
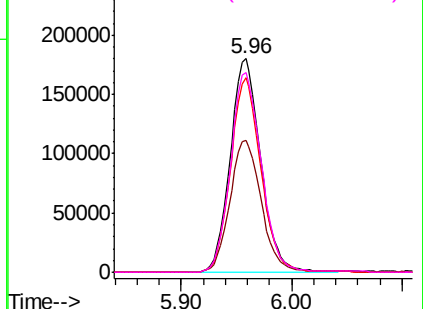


Abundance Ion 95.00 (94.70 to 95.70): VV014251.D (-1421) (-)

Ion 96.95 (96.65 to 97.65): VV014251.D (-1421) (-)

Ion 131.95 (131.65 to 132.65): VV014251.D (-1421) (-)

Ion 129.95 (129.65 to 130.65): VV014251.D (-1421) (-)



#35

Methylcyclohexane

Concen: 5.386 ug/L

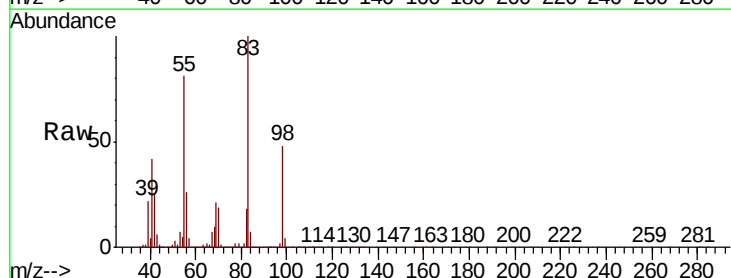
RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV014251.D

Acq: 02 Jan 2020 15:53

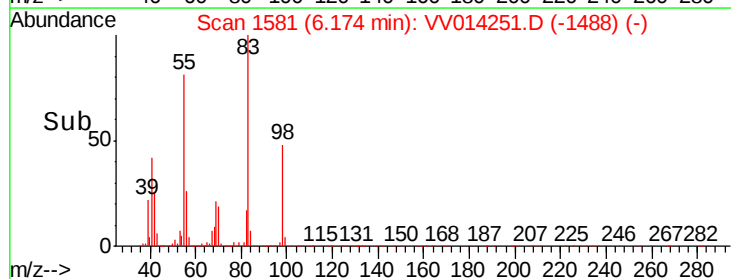
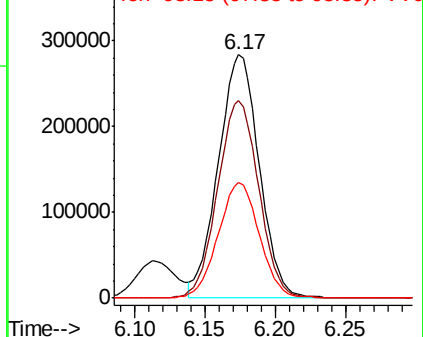
Tgt Ion:	83	Resp:	570540
Ion	Ratio	Lower	Upper
83	100		
55	81.2	65.0	97.4
98	47.7	38.5	57.7

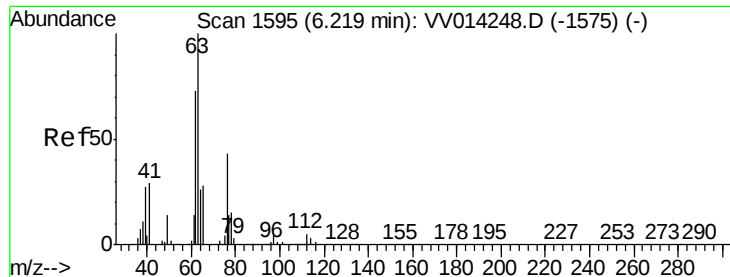


Abundance Ion 83.15 (82.85 to 83.85): VV014251.D (-1488) (-)

Ion 55.10 (54.80 to 55.80): VV014251.D (-1488) (-)

Ion 98.15 (97.85 to 98.85): VV014251.D (-1488) (-)

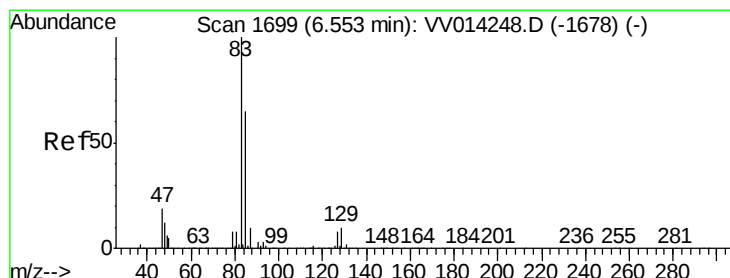
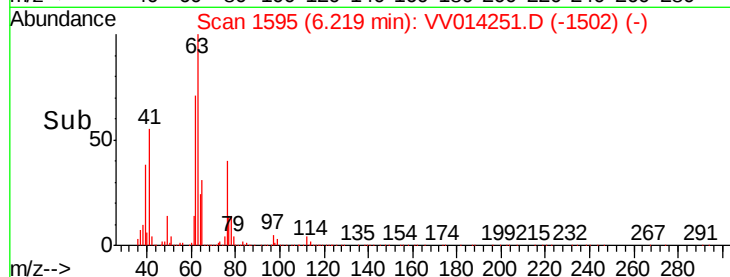
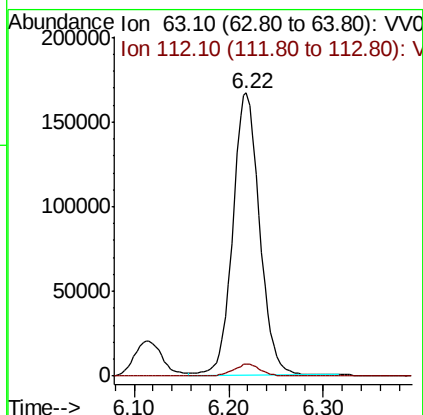
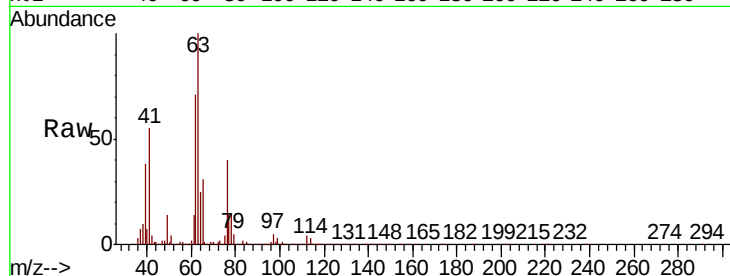




#37
 1,2-Dichloropropane
 Concen: 5.154 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV014251.D
 Acq: 02 Jan 2020 15:53

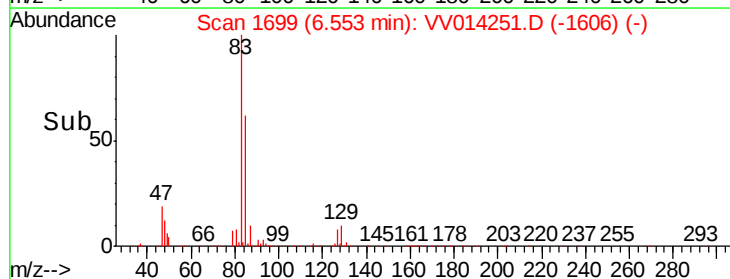
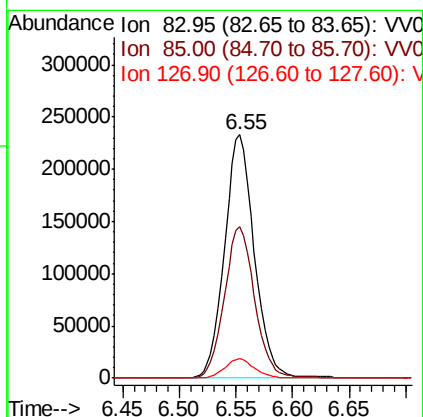
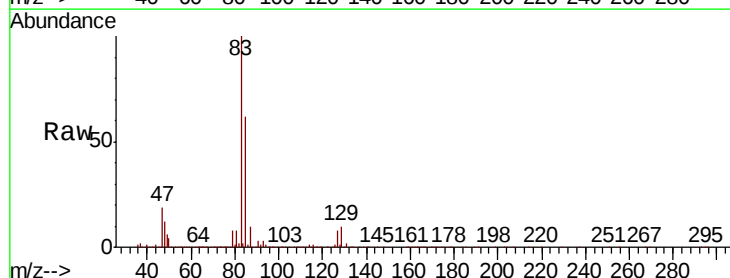
Instrument :
 MSVOA_V
 ClientSampleId :

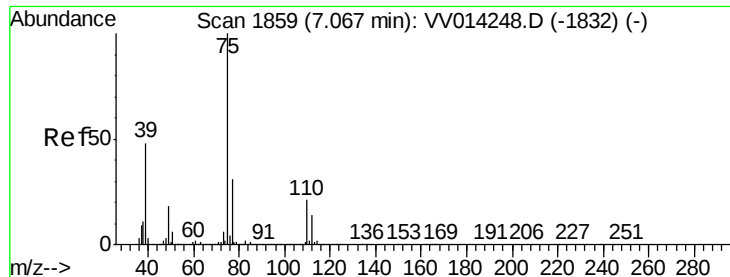
Tot Ion: 63 Resp: 327996
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.5 5.3



#38
 Bromodichloromethane
 Concen: 5.161 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV014251.D
 Acq: 02 Jan 2020 15:53

Tgt Ion: 83 Resp: 423504
 Ion Ratio Lower Upper
 83 100
 85 62.0 45.2 84.0
 127 8.0 6.4 9.6





#39

cis-1,3-Dichloropropene

Concen: 5.163 ug/L

RT: 7.07 min Scan# 1859

Delta R.T. 0.00 min

Lab File: VV014251.D

Acq: 02 Jan 2020 15:53

Instrument :

MSVOA_V

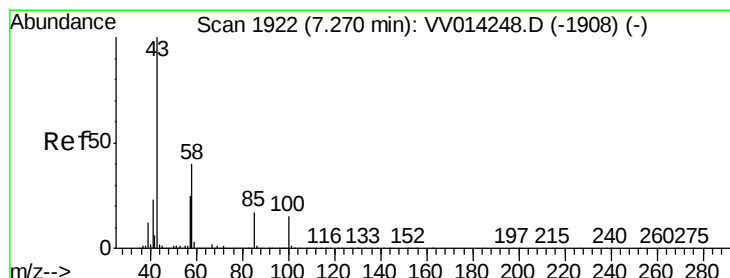
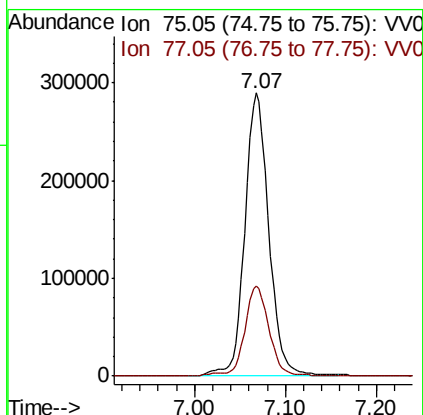
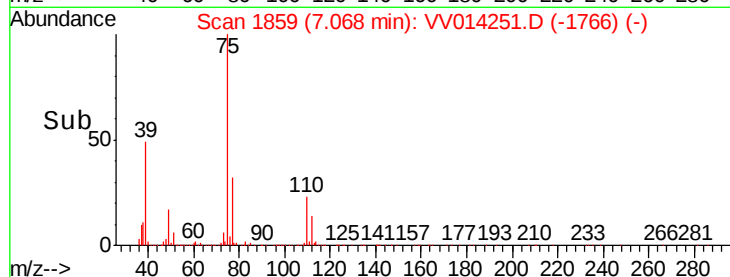
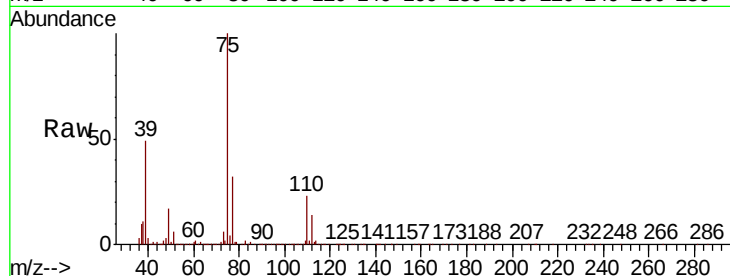
ClientSampleId :

Tot Ion: 75 Resp: 531927

Ion Ratio Lower Upper

75 100

77 32.0 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 51.544 ug/L

RT: 7.27 min Scan# 1922

Delta R.T. 0.00 min

Lab File: VV014251.D

Acq: 02 Jan 2020 15:53

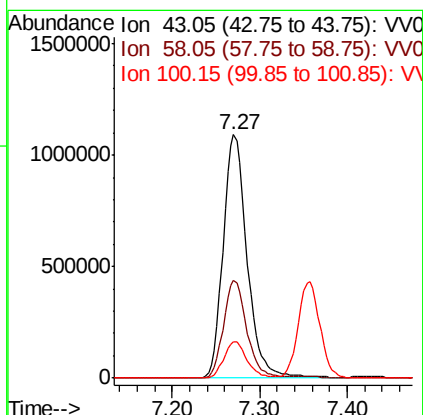
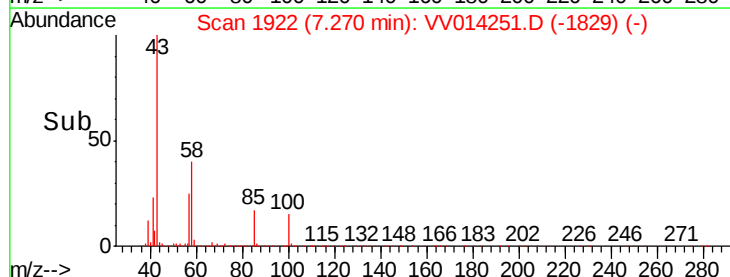
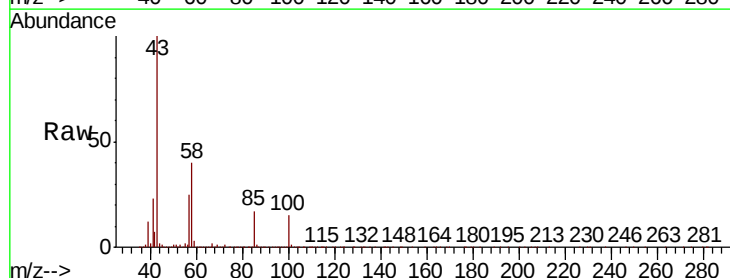
Tgt Ion: 43 Resp: 2067581

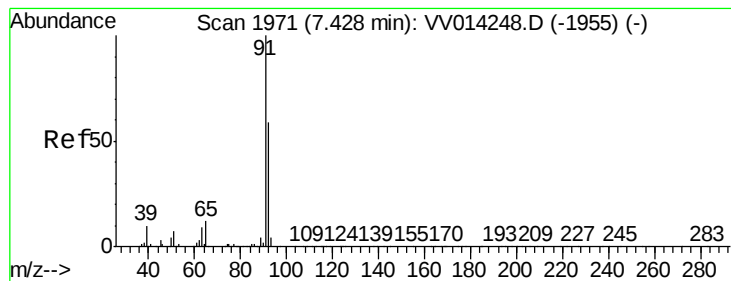
Ion Ratio Lower Upper

43 100

58 39.3 31.3 46.9

100 14.5 11.8 17.8





#42

Toluene

Concen: 5.211 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV014251.D

Acq: 02 Jan 2020 15:53

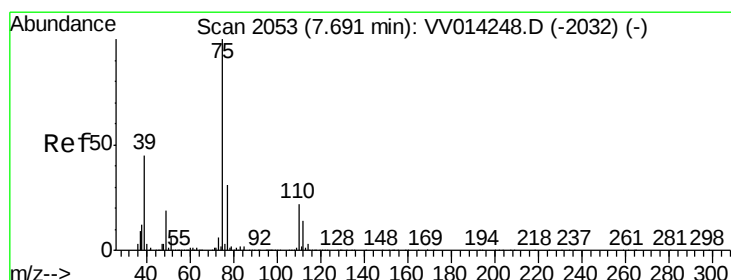
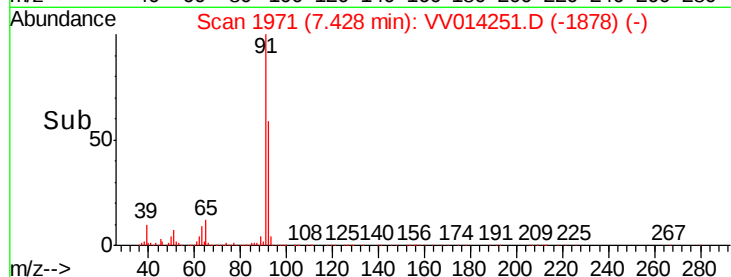
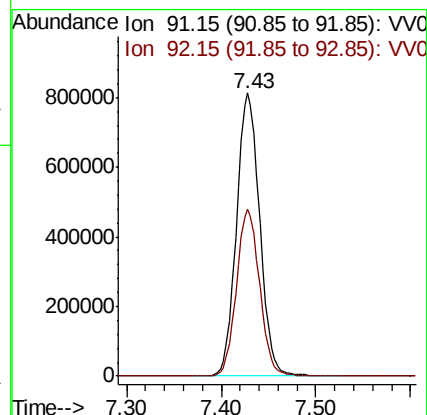
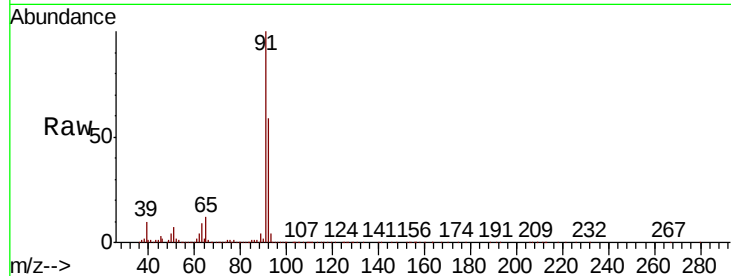
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 1386878

Ion Ratio Lower Upper

91 100

92 59.0 41.0 76.2



#44

trans-1,3-Dichloropropene

Concen: 5.224 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV014251.D

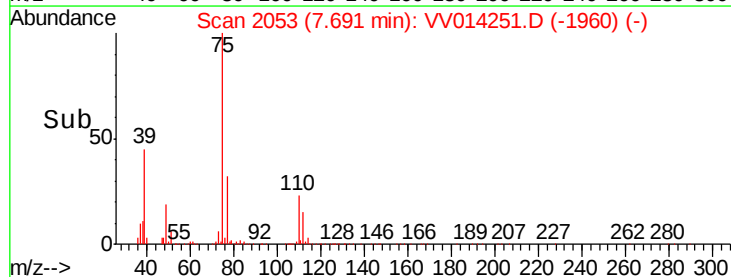
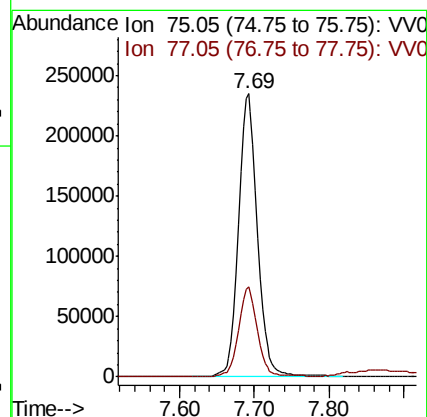
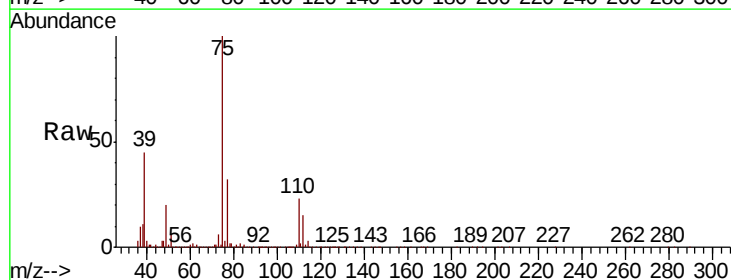
Acq: 02 Jan 2020 15:53

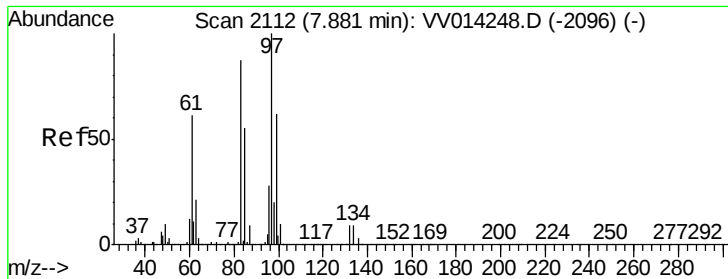
Tgt Ion: 75 Resp: 413294

Ion Ratio Lower Upper

75 100

77 32.0 22.0 40.8





#45

1,1,2-Trichloroethane

Concen: 5.087 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VV014251.D

Acq: 02 Jan 2020 15:53

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 97 Resp: 206779

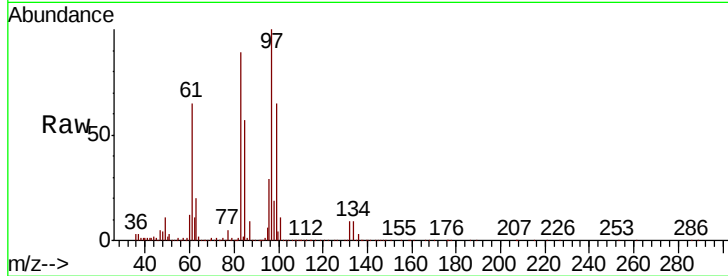
Ion Ratio Lower Upper

97 100

99 64.9 43.0 80.0

83 89.3 60.6 112.6

85 57.0 38.6 71.8

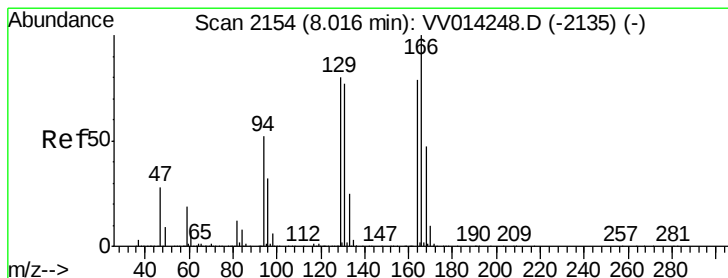
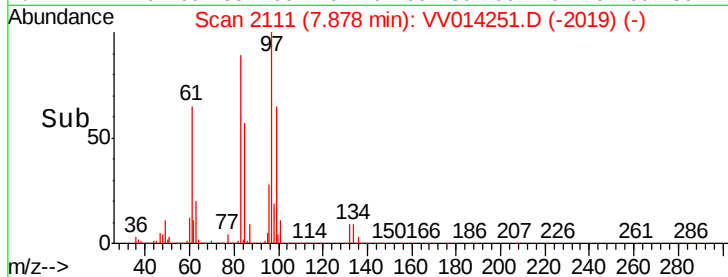
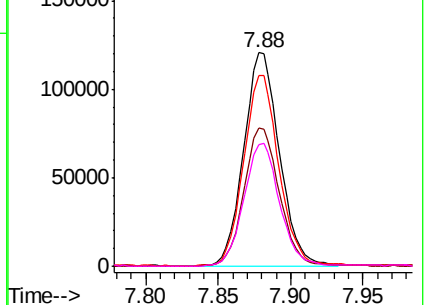


Abundance Ion 96.95 (96.65 to 97.65): VV0

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: 5.194 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV014251.D

Acq: 02 Jan 2020 15:53

Tgt Ion:164 Resp: 229894

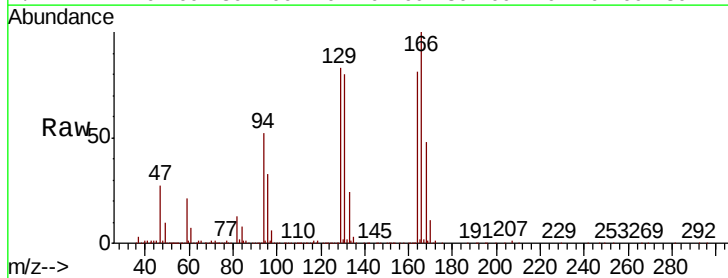
Ion Ratio Lower Upper

164 100

129 102.4 71.0 131.9

131 99.4 68.5 127.3

166 123.5 88.8 164.8

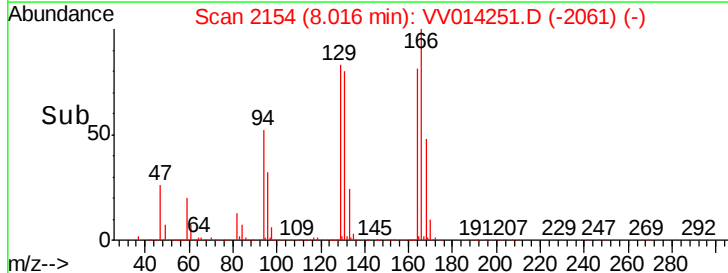
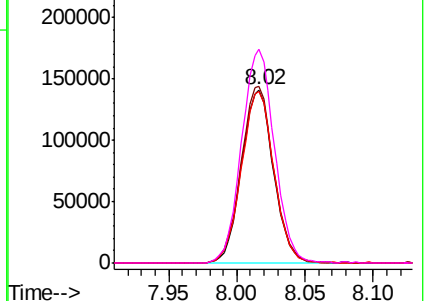


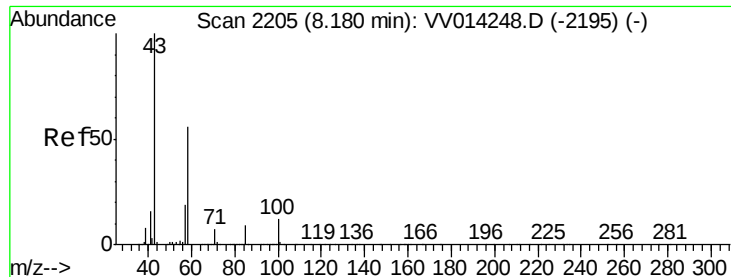
Abundance Ion 163.90 (163.60 to 164.60): V

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



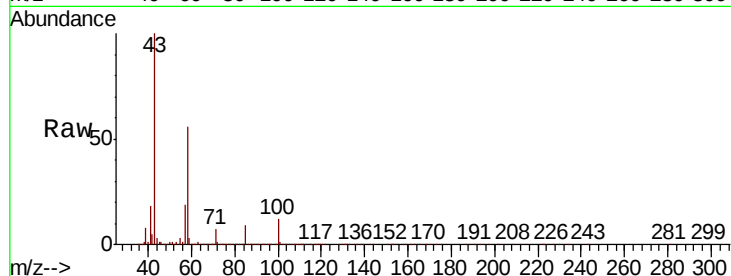


#48
2-Hexanone
Concen: 52.359 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. 0.00 min
Lab File: VV014251.D
Acq: 02 Jan 2020 15:53

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 1452725

Ion	Ratio	Lower	Upper
43	100		
58	55.6	44.0	66.0
57	18.9	15.5	23.3
100	11.7	9.4	14.0



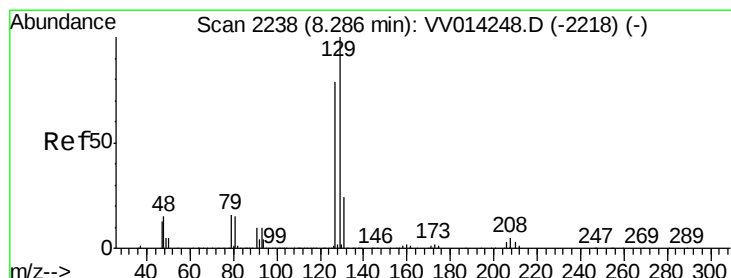
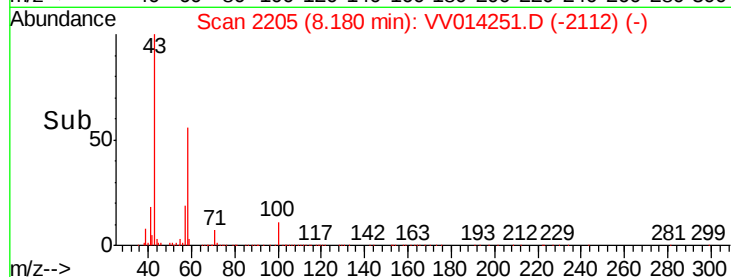
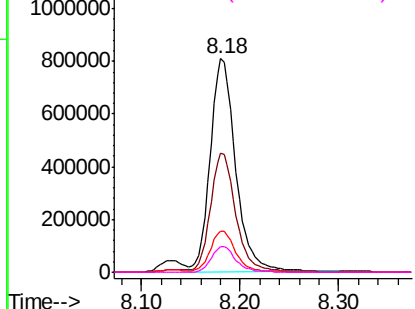
Abundance

Ion 43.05 (42.75 to 43.75): VV014251.D (-2112) (-)

Ion 58.05 (57.75 to 58.75): VV014251.D (-2112) (-)

Ion 57.20 (56.90 to 57.90): VV014251.D (-2112) (-)

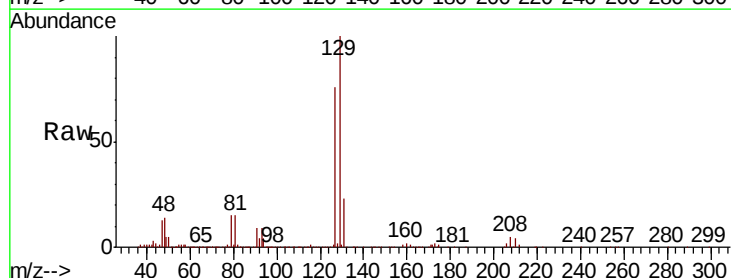
Ion 100.15 (99.85 to 100.85): VV014251.D (-2112) (-)



#49
Dibromochloromethane
Concen: 5.161 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV014251.D
Acq: 02 Jan 2020 15:53

Tgt Ion: 129 Resp: 265238

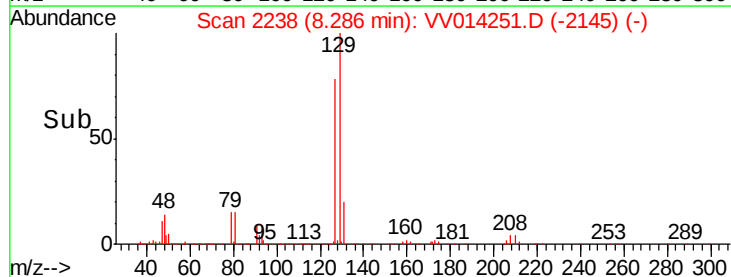
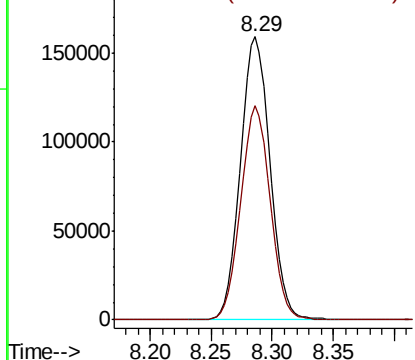
Ion	Ratio	Lower	Upper
129	100		
127	75.6	54.9	102.1

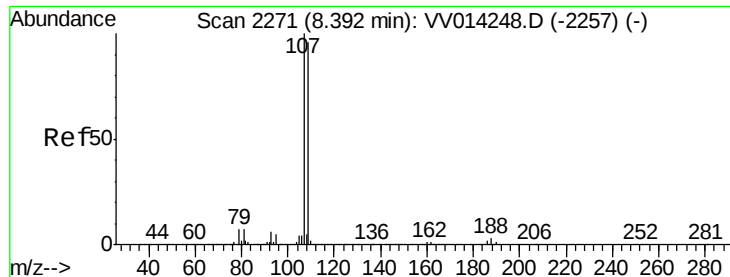


Abundance

Ion 128.95 (128.65 to 129.65): VV014251.D (-2145) (-)

Ion 126.90 (126.60 to 127.60): VV014251.D (-2145) (-)

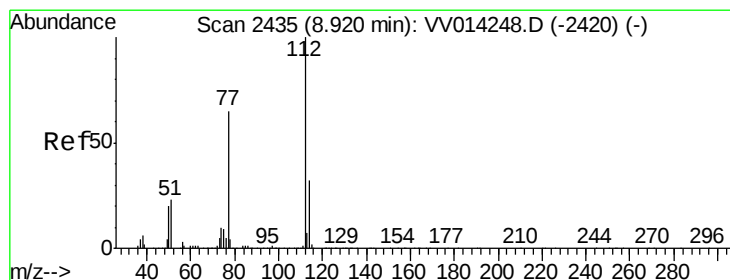
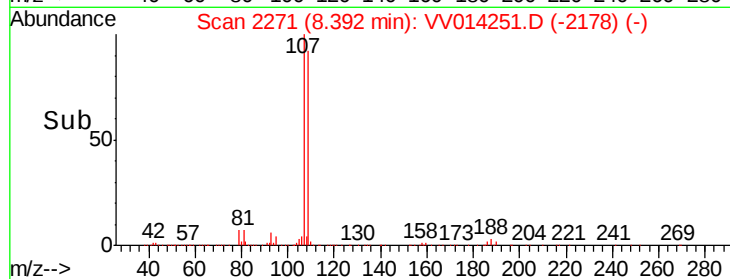
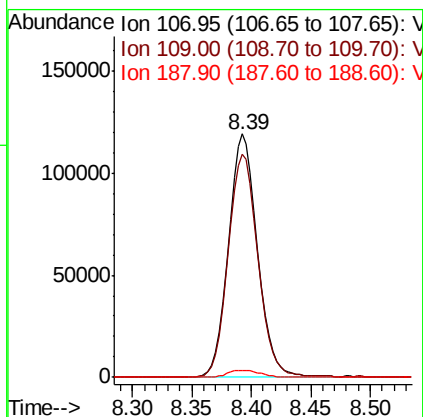
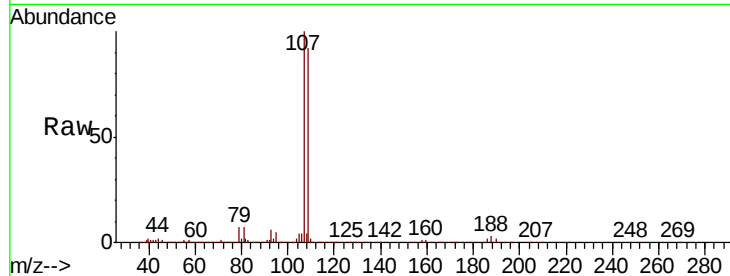




#50
 1,2-Dibromoethane
 Concen: 5.100 ug/L
 RT: 8.39 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VV014251.D
 Acq: 02 Jan 2020 15:53

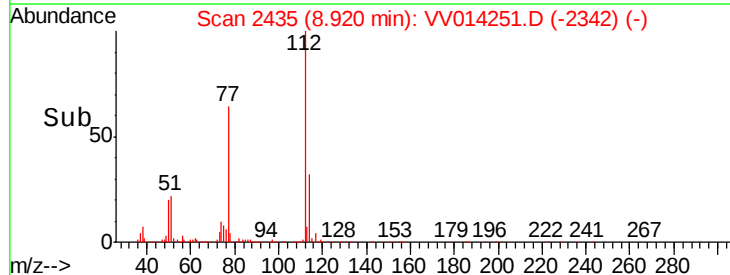
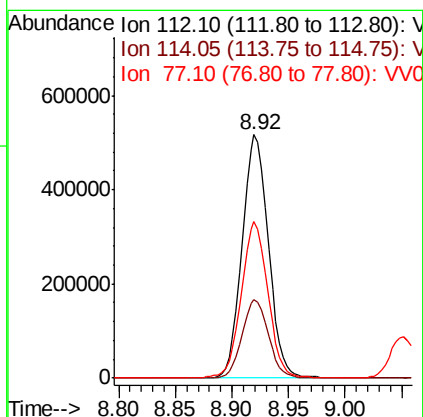
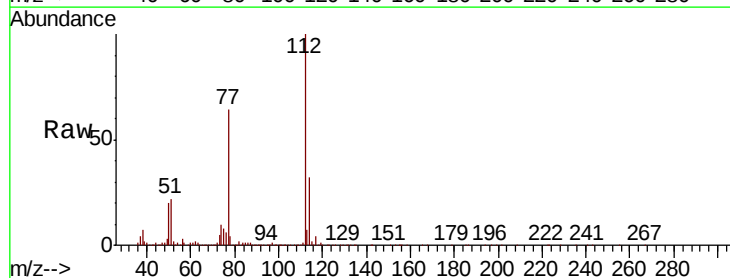
Instrument :
 MSVOA_V
 ClientSampleId :

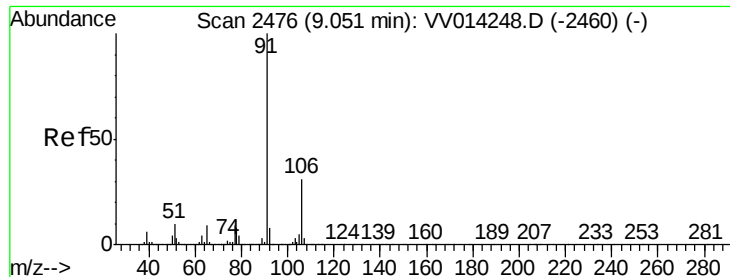
Tot Ion	Ratio	Lower	Upper
107	100		
109	91.9	67.5	125.4
188	3.0	2.6	4.0



#51
 Chlorobenzene
 Concen: 5.129 ug/L
 RT: 8.92 min Scan# 2435
 Delta R.T. 0.00 min
 Lab File: VV014251.D
 Acq: 02 Jan 2020 15:53

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.4	22.7	42.1
77	64.1	51.8	77.8





#52

Ethylbenzene

Concen: 5.273 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV014251.D

Acq: 02 Jan 2020 15:53

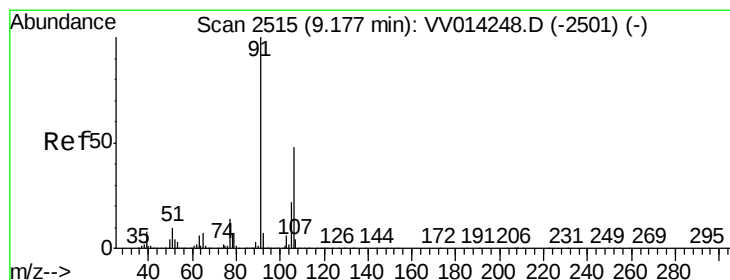
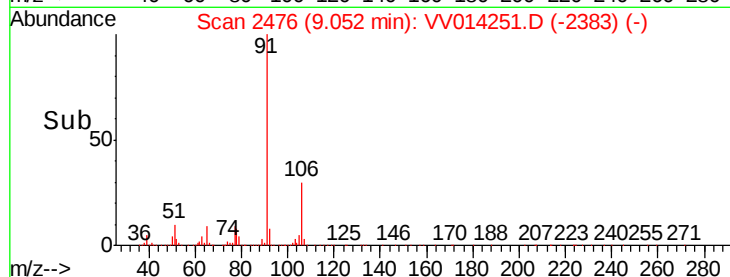
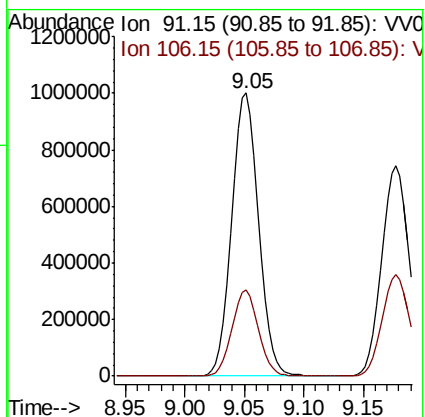
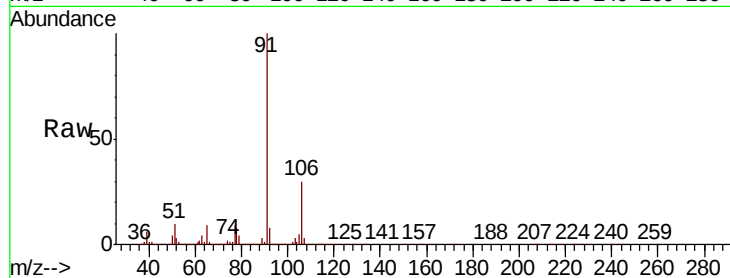
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 1569785

Ion Ratio Lower Upper

91 100

106 30.4 21.6 40.0



#53

m,p-xylene

Concen: 5.299 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV014251.D

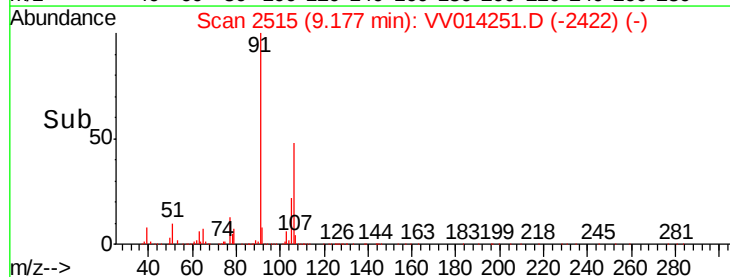
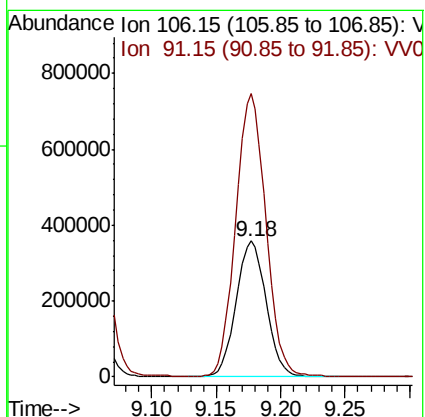
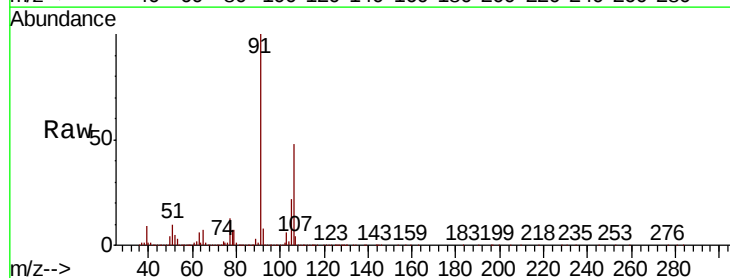
Acq: 02 Jan 2020 15:53

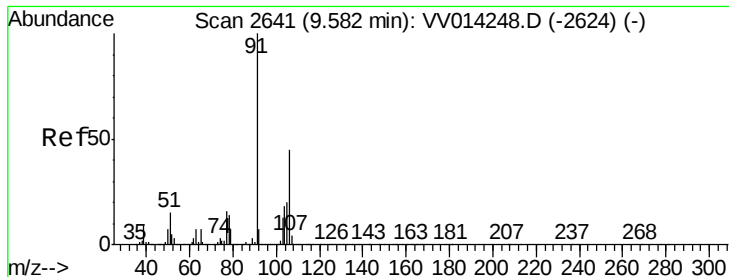
Tgt Ion: 106 Resp: 582051

Ion Ratio Lower Upper

106 100

91 208.3 146.7 272.4





#54

o-xylene

Concen: 5.168 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV014251.D

Acq: 02 Jan 2020 15:53

Instrument :

MSVOA_V

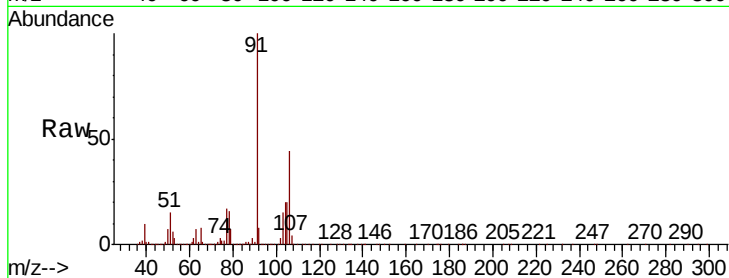
ClientSampleId :

Tot Ion:106 Resp: 558181

Ion Ratio Lower Upper

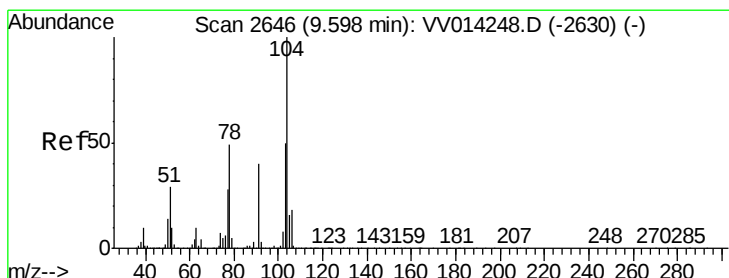
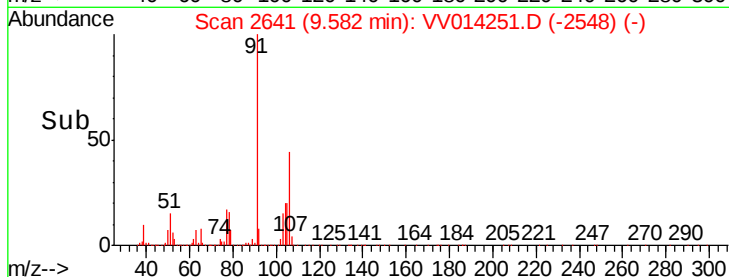
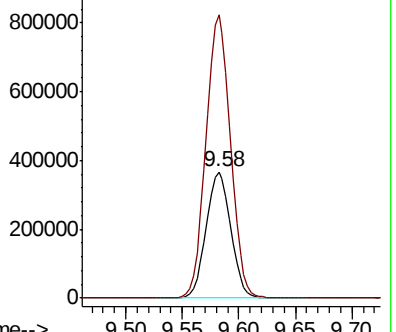
106 100

91 224.8 155.1 288.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.242 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. 0.00 min

Lab File: VV014251.D

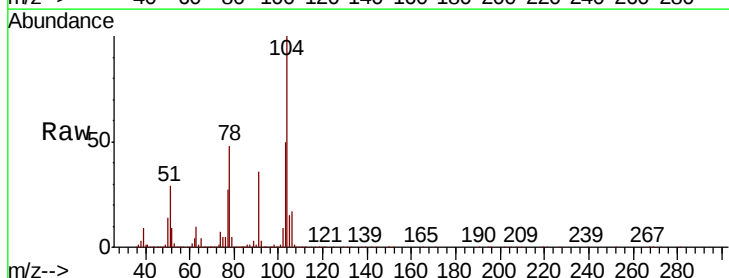
Acq: 02 Jan 2020 15:53

Tgt Ion:104 Resp: 959036

Ion Ratio Lower Upper

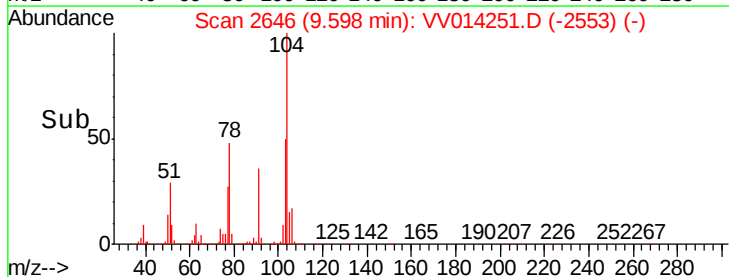
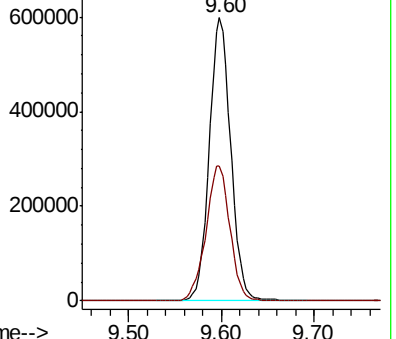
104 100

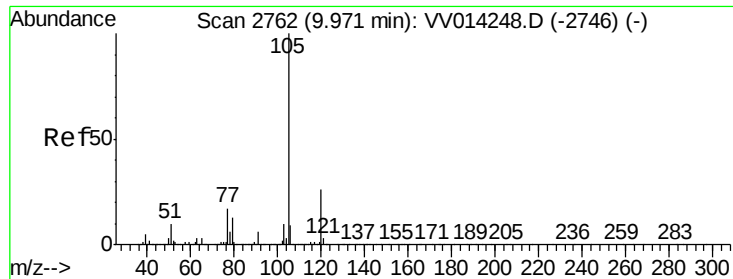
78 47.8 34.1 63.3



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.349 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV014251.D

Acq: 02 Jan 2020 15:53

Instrument :

MSVOA_V

ClientSampled :

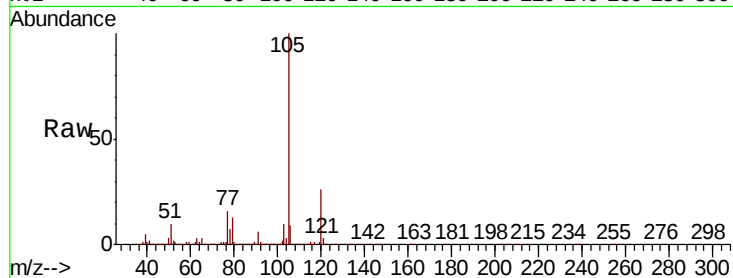
Tot Ion:105 Resp: 1506835

Ion Ratio Lower Upper

105 100

120 25.5 21.0 31.6

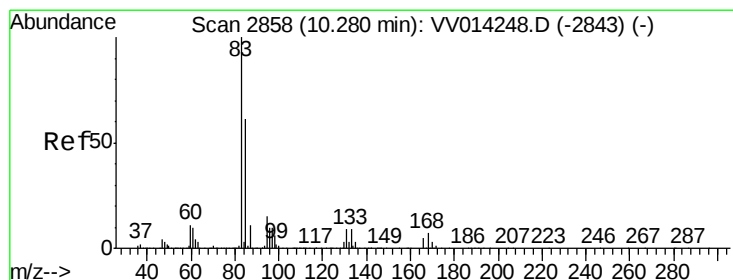
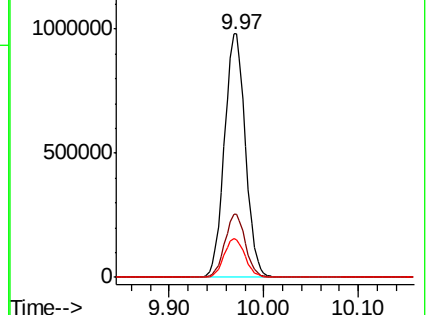
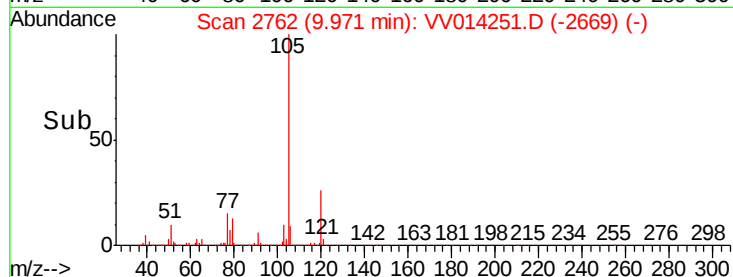
77 15.8 13.0 19.4



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: 5.049 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV014251.D

Acq: 02 Jan 2020 15:53

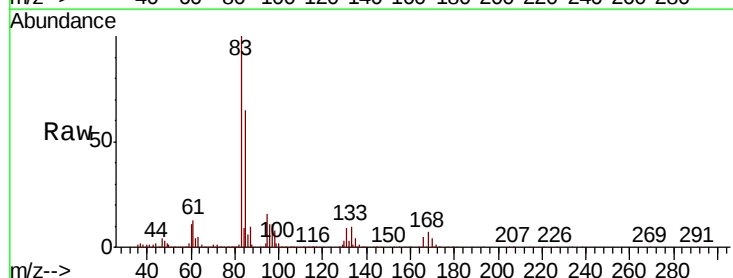
Tgt Ion: 83 Resp: 253089

Ion Ratio Lower Upper

83 100

85 65.0 42.4 78.8

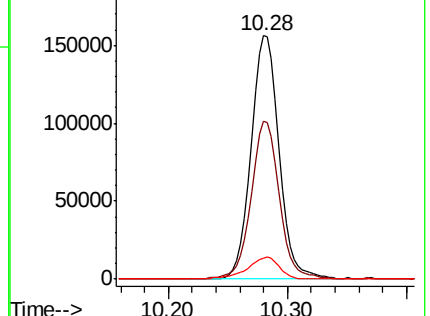
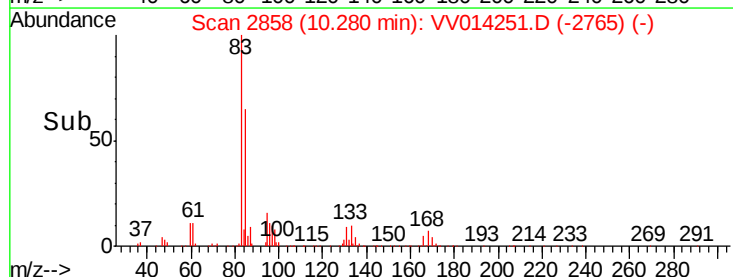
131 8.8 7.4 11.2

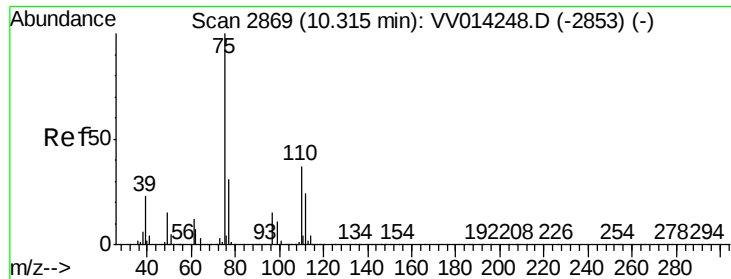


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.935 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV014251.D

Acq: 02 Jan 2020 15:53

Instrument :

MSVOA_V

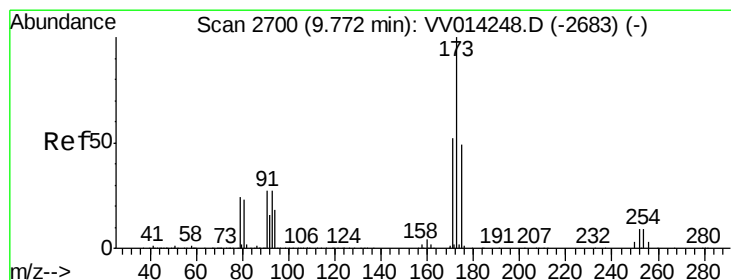
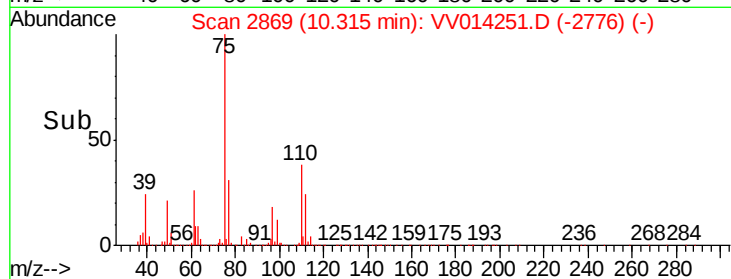
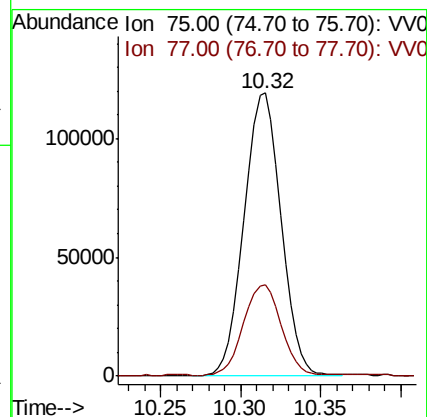
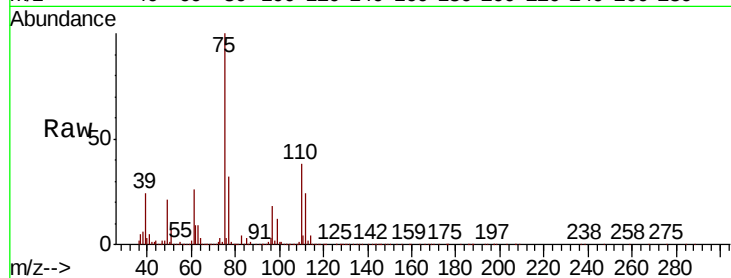
ClientSampleId :

Tot Ion: 75 Resp: 187106

Ion Ratio Lower Upper

75 100

77 32.3 25.3 37.9



#61

Bromoform

Concen: 5.264 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VV014251.D

Acq: 02 Jan 2020 15:53

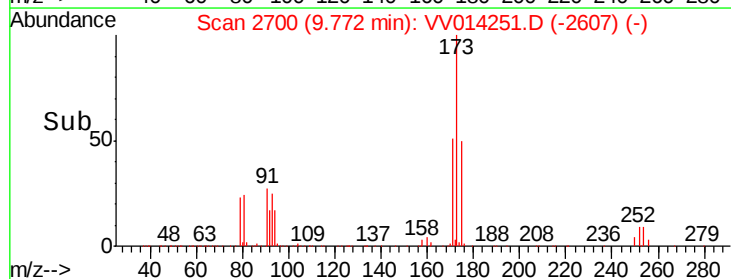
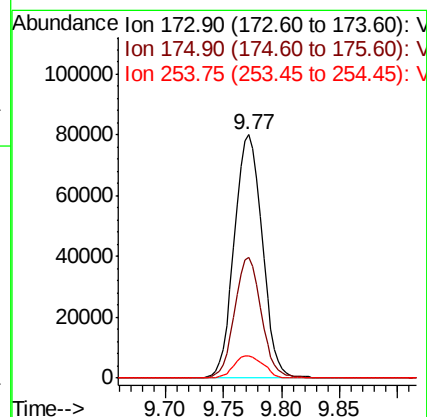
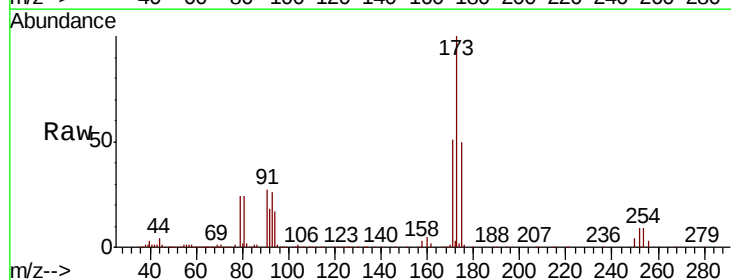
Tgt Ion: 173 Resp: 134197

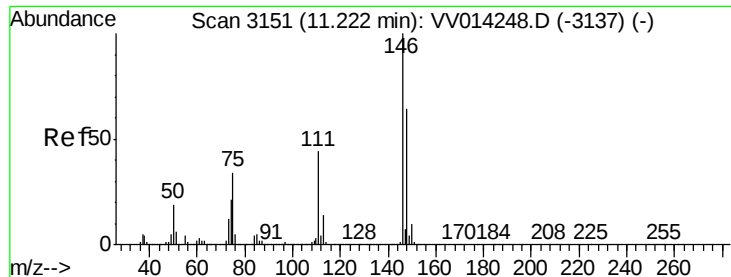
Ion Ratio Lower Upper

173 100

175 47.3 38.8 58.2

254 9.6 6.6 10.0





#62

1,3-Dichlorobenzene

Concen: 5.294 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. 0.00 min

Lab File: VV014251.D

Acq: 02 Jan 2020 15:53

Instrument :

MSVOA_V

ClientSampled :

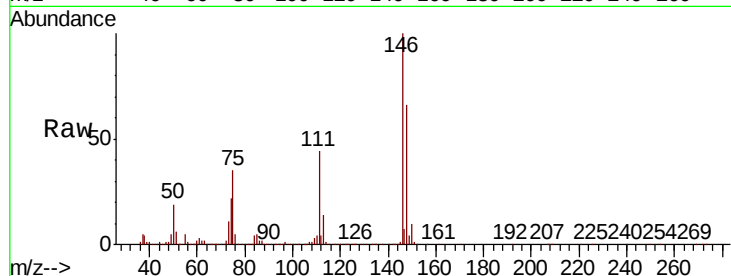
Tot Ion:146 Resp: 622460

Ion Ratio Lower Upper

146 100

111 44.3 30.6 56.8

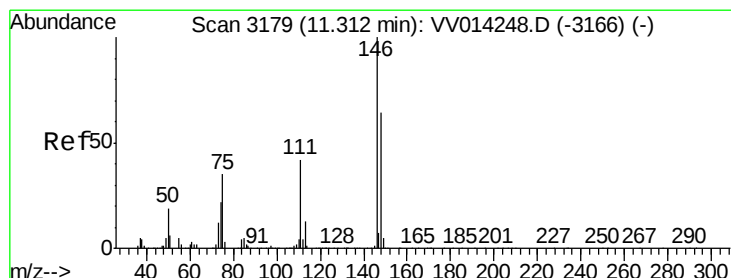
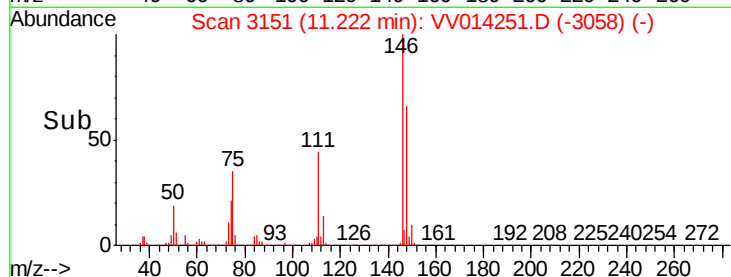
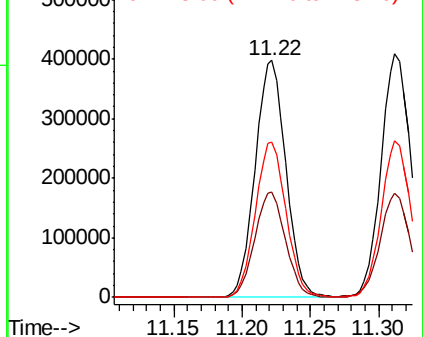
148 65.6 44.7 82.9



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



#63

1,4-Dichlorobenzene

Concen: 5.325 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. 0.00 min

Lab File: VV014251.D

Acq: 02 Jan 2020 15:53

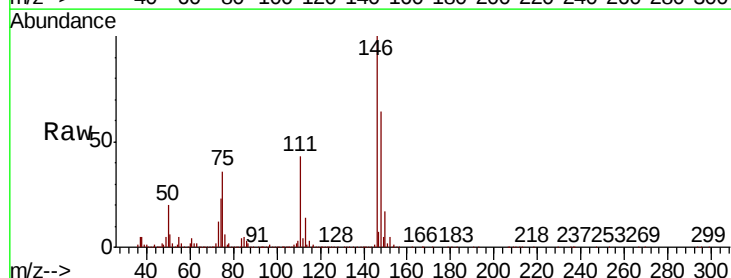
Tgt Ion:146 Resp: 622579

Ion Ratio Lower Upper

146 100

111 42.8 29.8 55.4

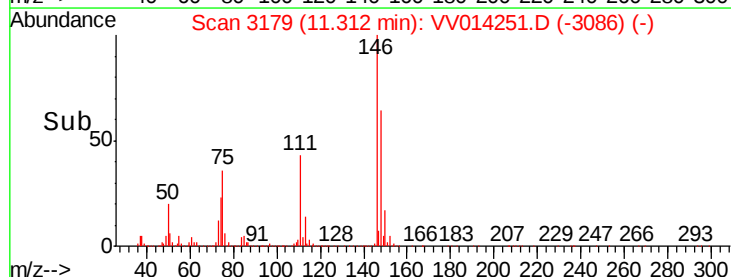
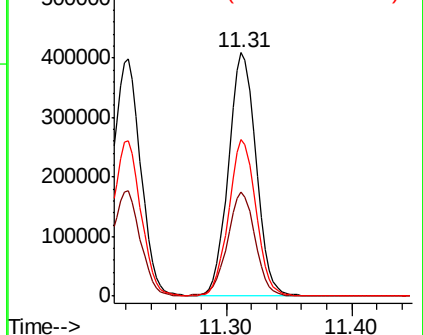
148 64.1 44.6 82.8

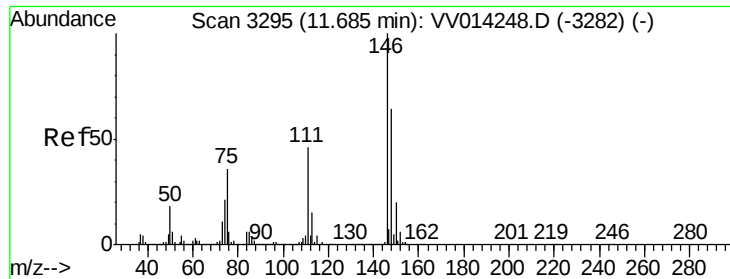


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

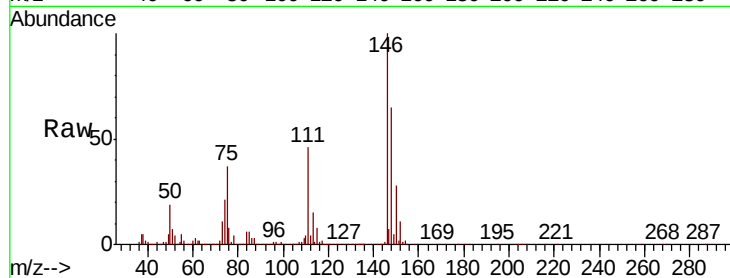




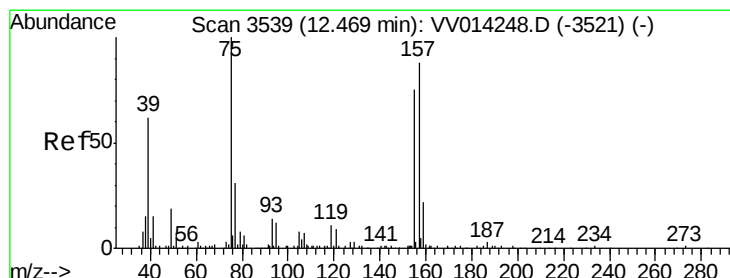
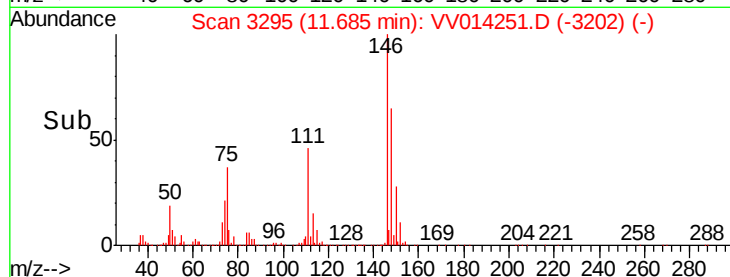
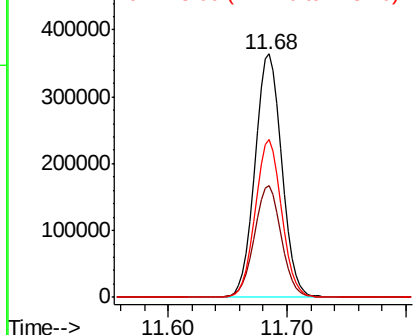
#65
 1,2-Dichlorobenzene
 Concen: 5.343 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV014251.D
 Acq: 02 Jan 2020 15:53

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.7	37.3	55.9
148	64.8	51.5	77.3

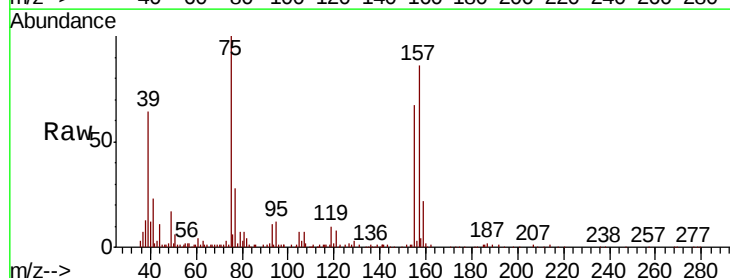


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

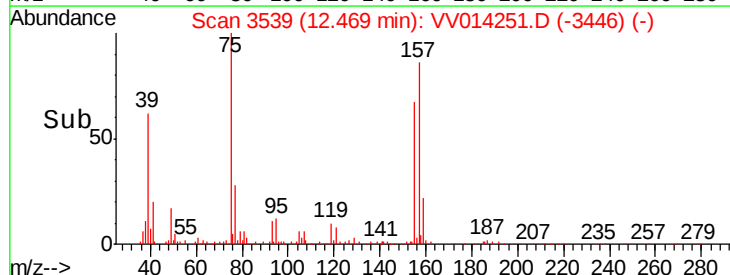
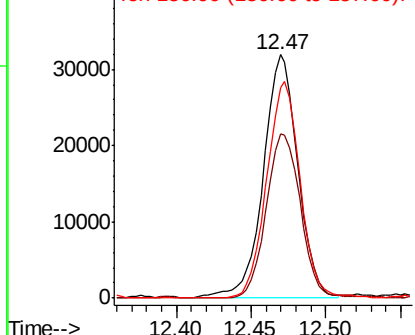


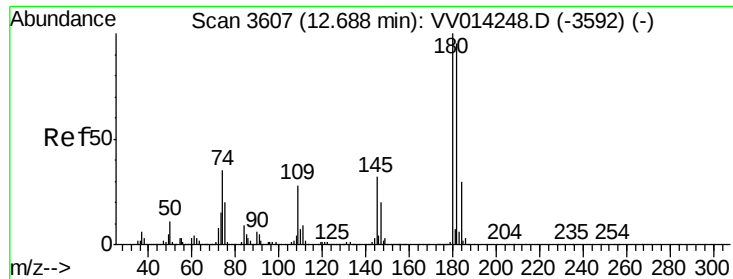
#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.252 ug/L
 RT: 12.47 min Scan# 3539
 Delta R.T. 0.00 min
 Lab File: VV014251.D
 Acq: 02 Jan 2020 15:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	67.2	60.1	90.1
157	86.3	70.6	105.8



Abundance Ion 75.05 (74.75 to 75.75): VV0
 Ion 154.95 (154.65 to 155.65): V
 Ion 156.90 (156.60 to 157.60): V

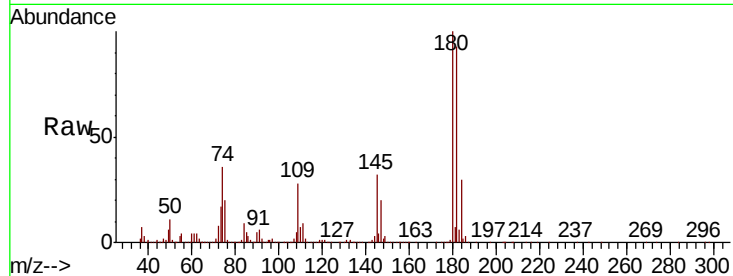




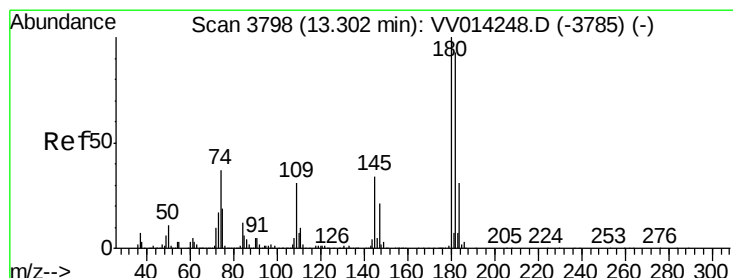
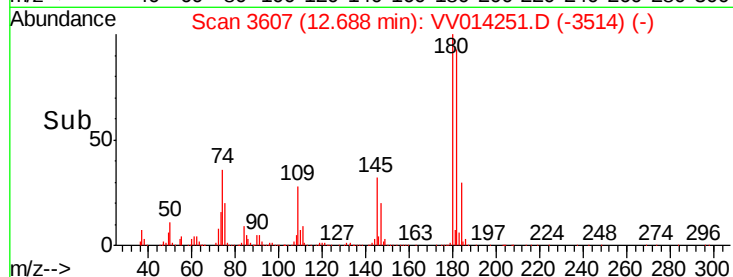
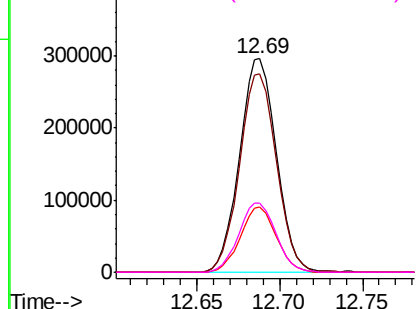
#67
 1,3,5-Trichlorobenzene
 Concen: 5.361 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV014251.D
 Acq: 02 Jan 2020 15:53

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180	Resp:	458355
Ion Ratio	Lower	Upper
180	100	
182	93.3	76.1 114.1
184	29.7	23.6 35.4
145	32.8	25.8 38.6

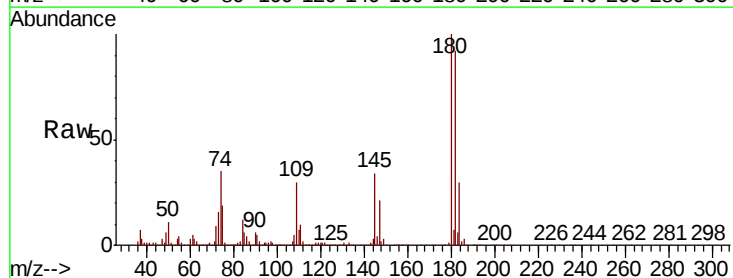


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

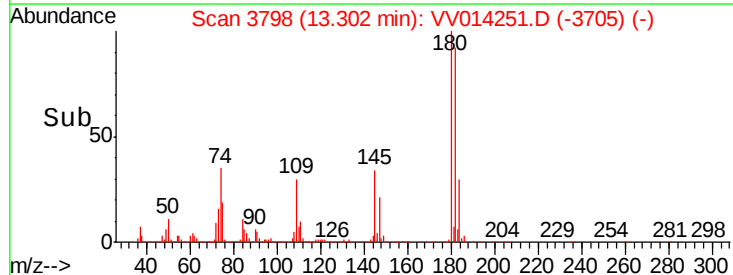
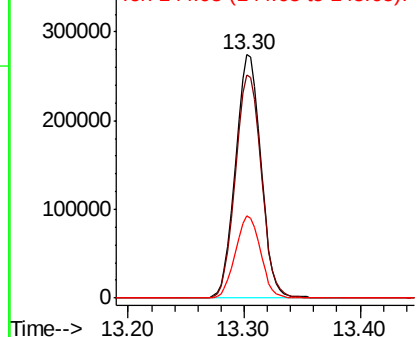


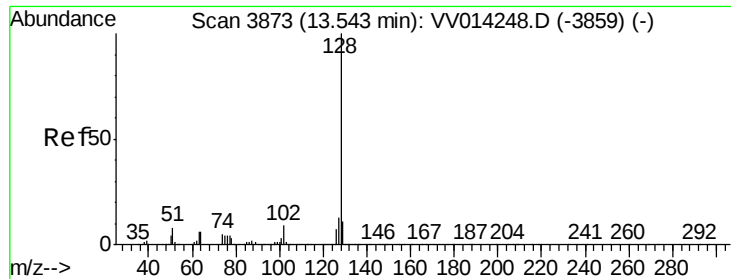
#68
 1,2,4-trichlorobenzene
 Concen: 5.523 ug/L
 RT: 13.30 min Scan# 3798
 Delta R.T. 0.00 min
 Lab File: VV014251.D
 Acq: 02 Jan 2020 15:53

Tgt Ion:180	Resp:	414191
Ion Ratio	Lower	Upper
180	100	
182	93.4	76.0 114.0
145	33.4	27.4 41.0



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 5.579 ug/L

RT: 13.54 min Scan# 3873

Delta R.T. 0.00 min

Lab File: VV014251.D

Acq: 02 Jan 2020 15:53

Instrument :

MSVOA_V

ClientSampleId :

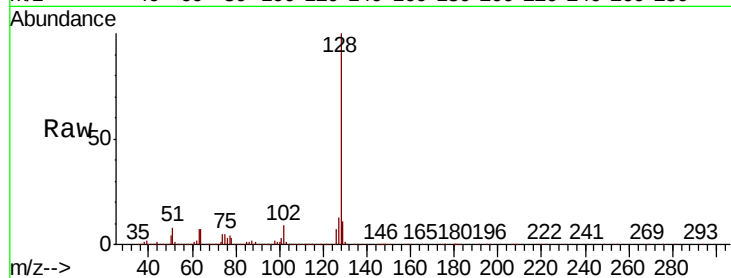
Tot Ion:128 Resp: 850063

Ion Ratio Lower Upper

128 100

129 10.7 8.7 13.1

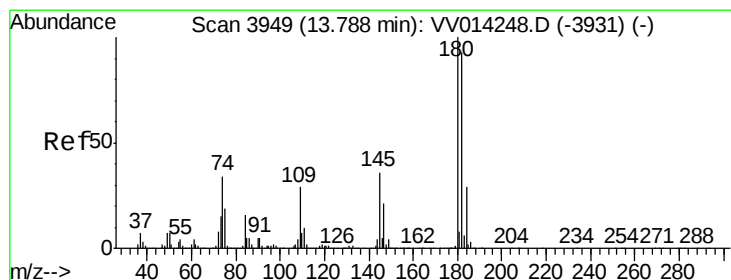
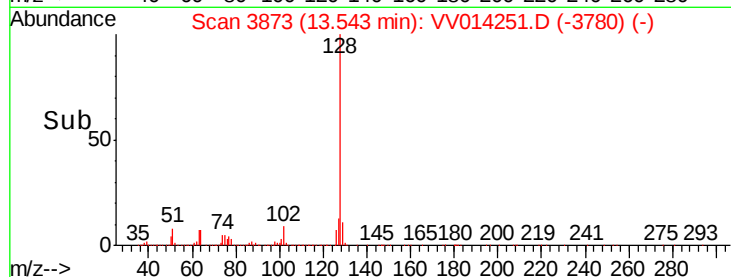
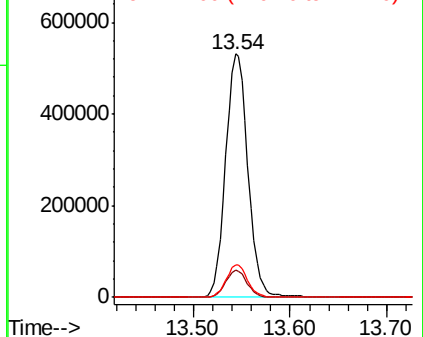
127 13.0 10.2 15.2



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: 5.592 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV014251.D

Acq: 02 Jan 2020 15:53

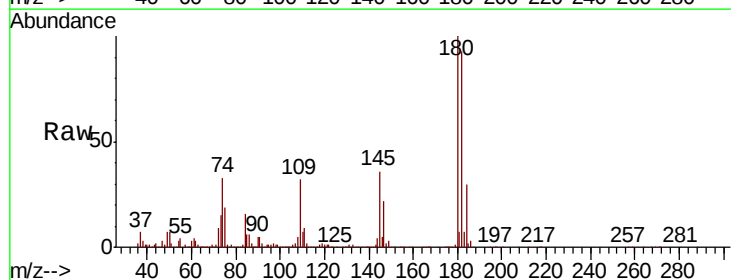
Tgt Ion:180 Resp: 368988

Ion Ratio Lower Upper

180 100

182 93.9 75.1 112.7

145 35.6 28.9 43.3



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

