

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV012820\
 Data File : VV014422.D
 Acq On : 28 Jan 2020 17:17
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jan 29 05:28:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR010220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jan 29 05:25:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	953922	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	869437	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	415787	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	232079	3.48	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	69.60%
7) Chloroethane-d5	1.58	69	199034	3.86	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	77.20%
11) 1,1-Dichloroethene-d2	2.13	63	394313	4.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.20%
20) 2-Butanone-d5	3.93	46	744829	46.45	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.90%
24) Chloroform-d	4.40	84	616737	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.60%
26) 1,2-Dichloroethane-d4	5.08	65	276214	4.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.40%
32) Benzene-d6	5.09	84	1239216	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.60%
36) 1,2-Dichloropropane-d6	6.11	67	385894	4.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.00%
41) Toluene-d8	7.35	98	1126459	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.00%
43) trans-1,3-Dichloropropene-	7.66	79	135437	3.81	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.20%
46) 2-Hexanone-d5	8.13	63	679038	45.07	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.14%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	257964	4.59	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	365421	4.68	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	330831	4.600	ug/L 100
3) Chloromethane	1.26	50	310418	4.342	ug/L 97
5) Vinyl chloride	1.32	62	303056	4.539	ug/L 97
6) Bromomethane	1.53	94	139456	3.682	ug/L 96
8) Chloroethane	1.60	64	165984	4.425	ug/L 98
9) Trichlorofluoromethane	1.77	101	377790	4.794	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	204800	4.797	ug/L 95
12) 1,1-Dichloroethene	2.14	96	193620	4.543	ug/L 97
13) Acetone	2.19	43	586032	53.076	ug/L 99
14) Carbon disulfide	2.32	76	744917	3.939	ug/L 98
15) Methyl Acetate	2.46	43	100747	3.920	ug/L 97
16) Methylene chloride	2.54	84	339522	4.894	ug/L 95
17) Methyl tert-butyl Ether	2.80	73	626995	3.975	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	284296	4.438	ug/L 96
19) 1,1-Dichloroethane	3.23	63	553294	4.407	ug/L 99
21) 2-Butanone	4.01	43	806513	48.696	ug/L 97
22) cis-1,2-Dichloroethene	3.96	96	323814	4.611	ug/L # 97

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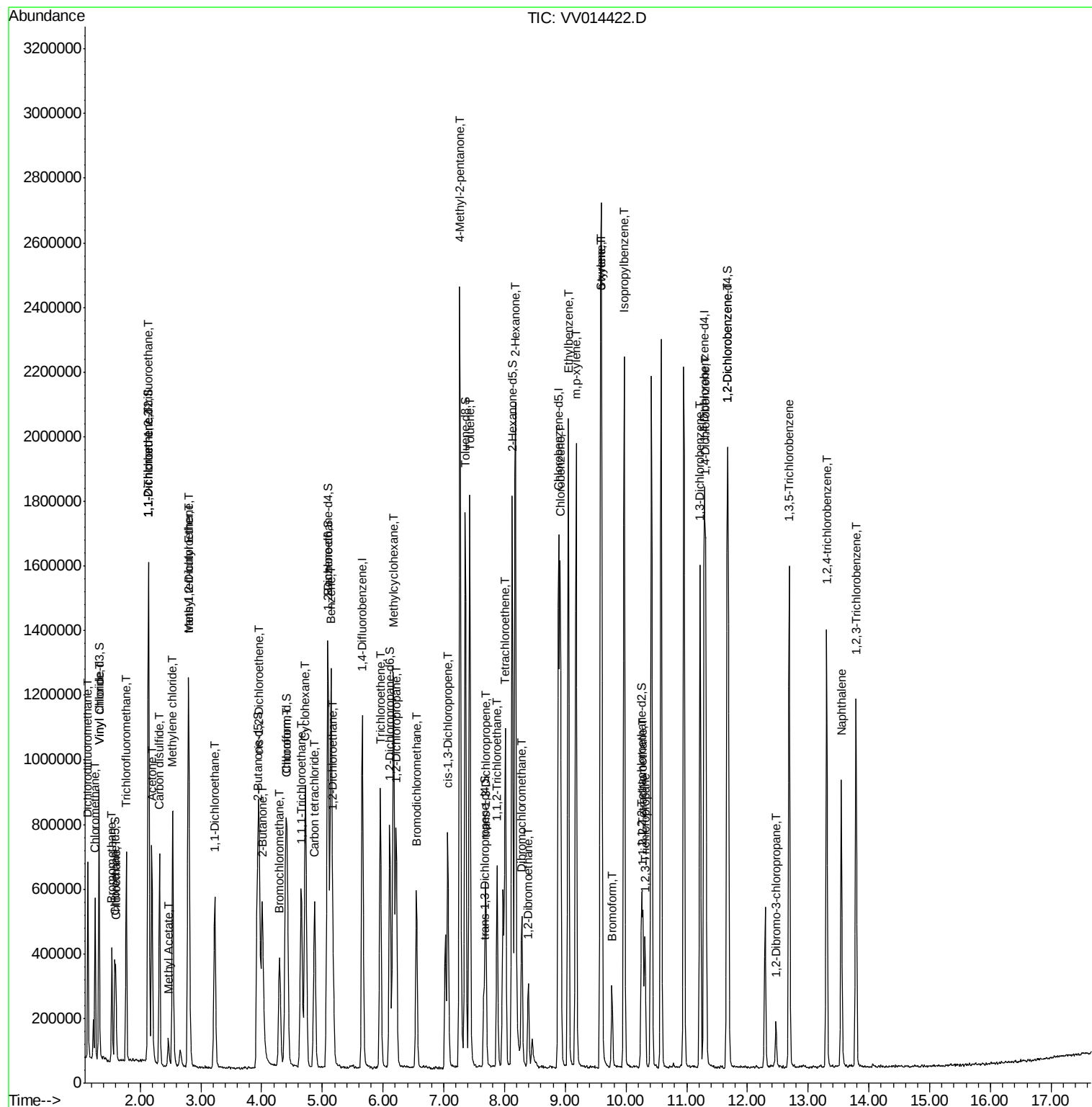
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	118724	4.447	ug/L	92
25) Chloroform	4.42	83	551037	4.584	ug/L	97
27) 1,2-Dichloroethane	5.17	62	294300	4.092	ug/L	96
29) 1,1,1-Trichloroethane	4.65	97	455163	4.398	ug/L	99
30) Cyclohexane	4.72	56	522453	4.572	ug/L	98
31) Carbon tetrachloride	4.87	117	386928	4.366	ug/L	99
33) Benzene	5.14	78	1239492	4.629	ug/L	100
34) Trichloroethene	5.95	95	317202	4.610	ug/L	99
35) Methylcyclohexane	6.17	83	529064	4.703	ug/L	99
37) 1,2-Dichloropropane	6.22	63	305461	4.520	ug/L	99
38) Bromodichloromethane	6.55	83	376165	4.316	ug/L	95
39) cis-1,3-Dichloropropene	7.06	75	448443	4.098	ug/L	99
40) 4-Methyl-2-pentanone	7.26	43	1721851	40.416	ug/L	99
42) Toluene	7.42	91	1306938	4.624	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	328615	3.911	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	194155	4.497	ug/L	99
47) Tetrachloroethene	8.01	164	224129	4.768	ug/L	98
48) 2-Hexanone	8.18	43	1411464	47.898	ug/L	99
49) Dibromochloromethane	8.28	129	232351	4.257	ug/L	97
50) 1,2-Dibromoethane	8.39	107	177029	4.234	ug/L	98
51) Chlorobenzene	8.92	112	808832	4.653	ug/L	99
52) Ethylbenzene	9.05	91	1461787	4.623	ug/L	99
53) m,p-xylene	9.18	106	544972	4.672	ug/L	97
54) o-xylene	9.58	106	537852	4.689	ug/L	100
55) Styrene	9.60	104	869477	4.475	ug/L	98
56) Isopropylbenzene	9.97	105	1429290	4.777	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	236529	4.443	ug/L	99
59) 1,2,3-Trichloropropane	10.31	75	167182	4.151	ug/L	100
61) Bromoform	9.77	173	110194	3.910	ug/L	96
62) 1,3-Dichlorobenzene	11.22	146	615612	4.736	ug/L	98
63) 1,4-Dichlorobenzene	11.31	146	612301	4.737	ug/L	100
65) 1,2-Dichlorobenzene	11.68	146	549878	4.684	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.47	75	39553	3.666	ug/L	91
67) 1,3,5-Trichlorobenzene	12.69	180	460405	4.871	ug/L	96
68) 1,2,4-trichlorobenzene	13.30	180	374136	4.513	ug/L	99
69) Naphthalene	13.54	128	690855	4.101	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	323880	4.439	ug/L	97

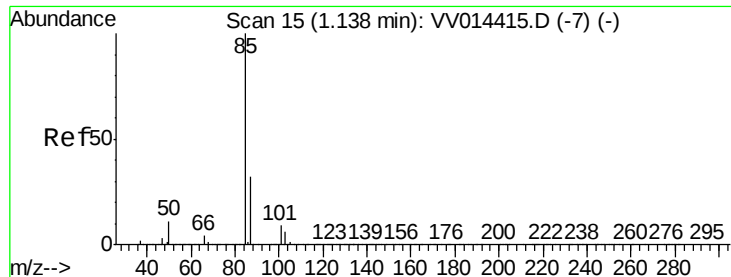
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.600 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV014422.D

Acq: 28 Jan 2020 17:17

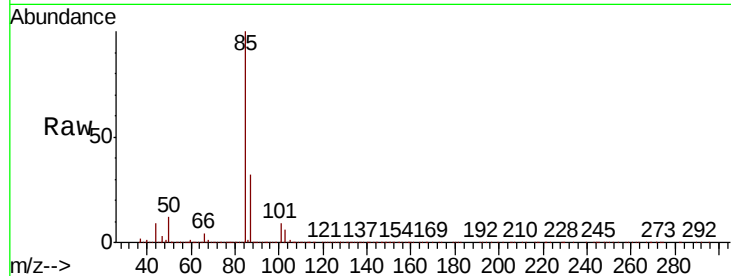
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 330831

Ion Ratio Lower Upper

85 100

87 31.5 25.1 37.7



Abundance Ion 85.00 (84.70 to 85.70): VV014415.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV014415.D (-7) (-)

1.14

400000

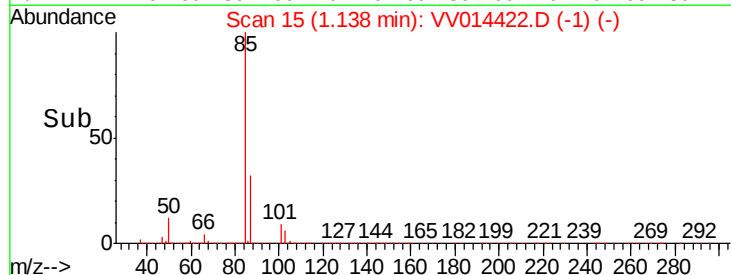
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200000

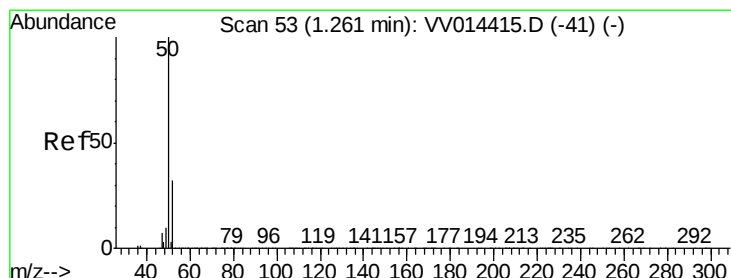
100000

0

Time-->



Time-->



#3

Chloromethane

Concen: 4.342 ug/L

RT: 1.26 min Scan# 52

Delta R.T. -0.00 min

Lab File: VV014422.D

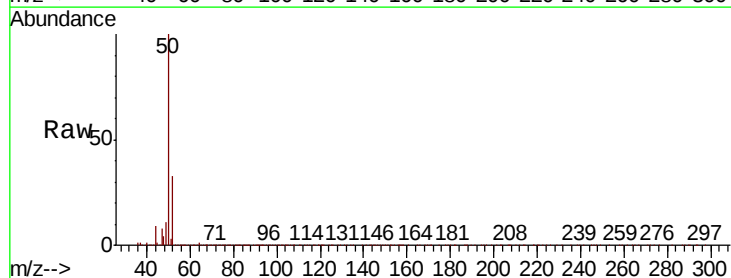
Acq: 28 Jan 2020 17:17

Tgt Ion: 50 Resp: 310418

Ion Ratio Lower Upper

50 100

52 33.4 22.3 41.3



Abundance Ion 50.05 (49.75 to 50.75): VV014415.D (-41) (-)

Ion 52.05 (51.75 to 52.75): VV014415.D (-41) (-)

1.26

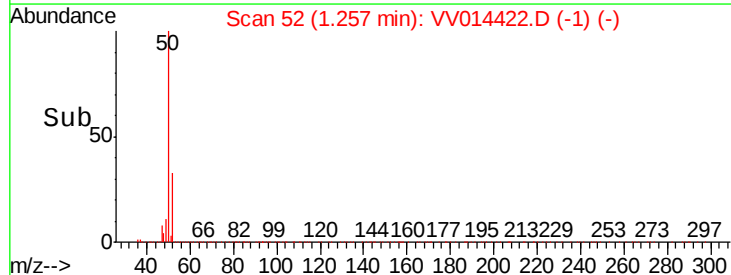
300000

200000

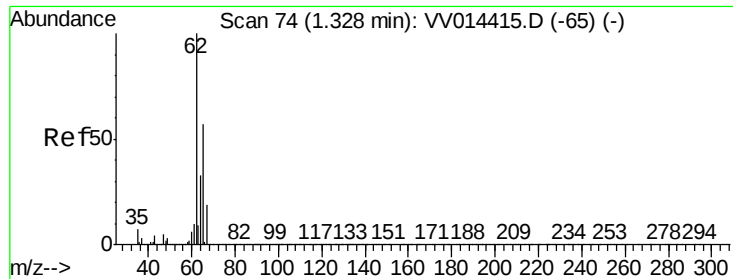
100000

0

Time-->



Time-->



#5

Vinyl chloride

Concen: 4.539 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV014422.D

Acq: 28 Jan 2020 17:17

Instrument :

MSVOA_V

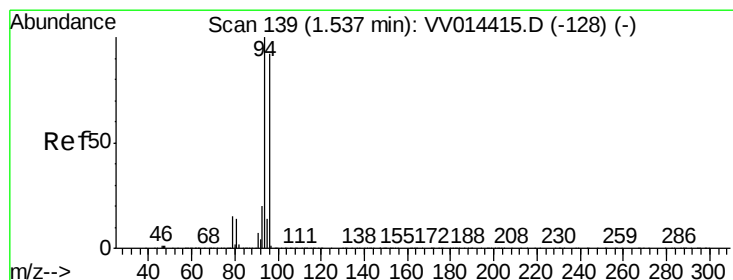
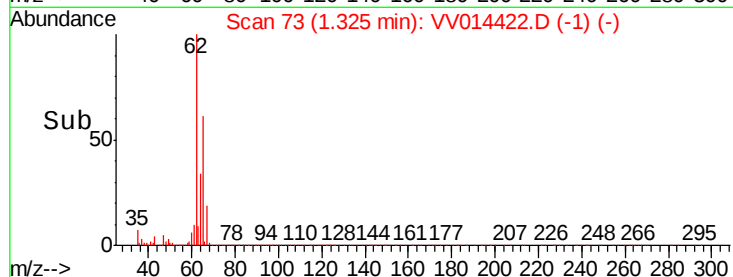
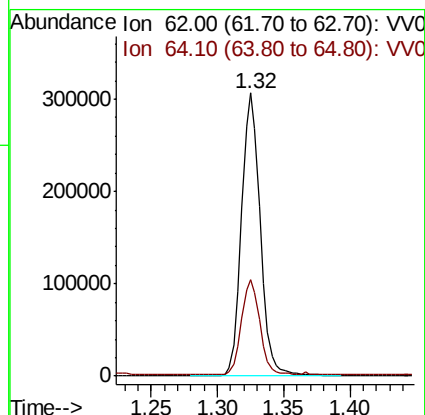
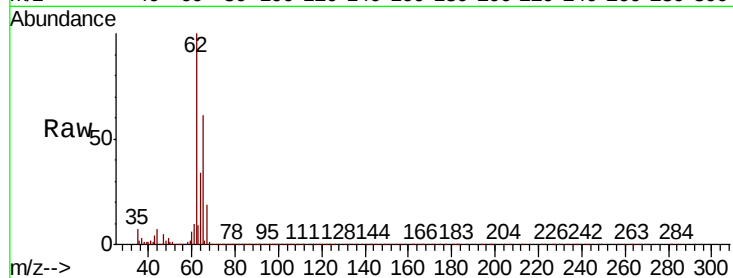
ClientSampleId :

Tot Ion: 62 Resp: 303056

Ion Ratio Lower Upper

62 100

64 34.3 23.0 42.6



#6

Bromomethane

Concen: 3.682 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV014422.D

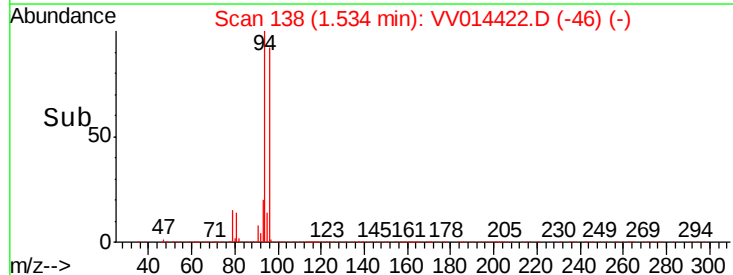
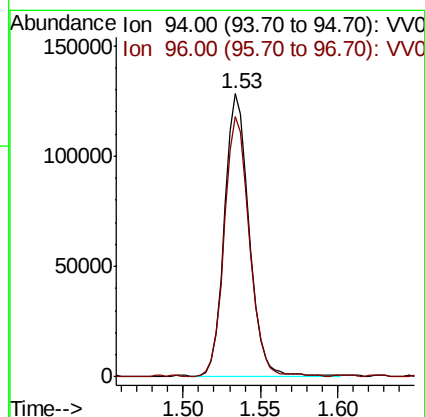
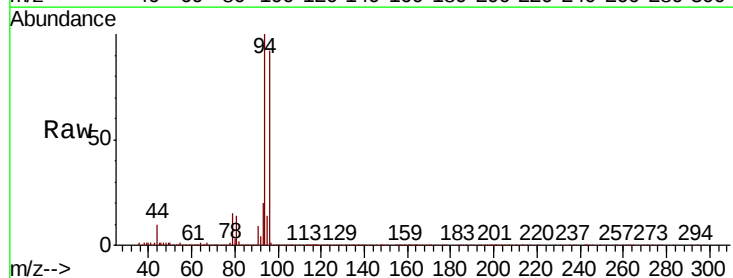
Acq: 28 Jan 2020 17:17

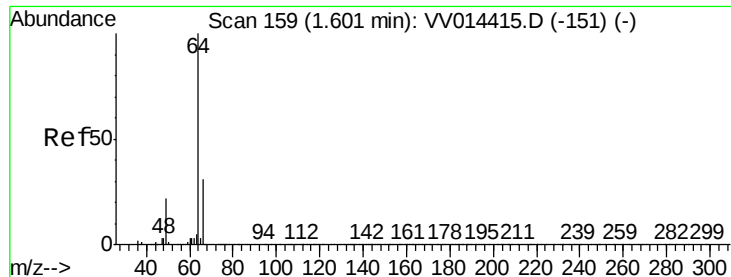
Tgt Ion: 94 Resp: 139456

Ion Ratio Lower Upper

94 100

96 92.2 66.9 124.3





#8

Chloroethane

Concen: 4.425 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV014422.D

Acq: 28 Jan 2020 17:17

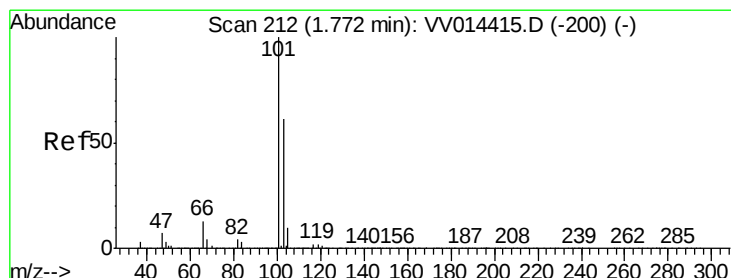
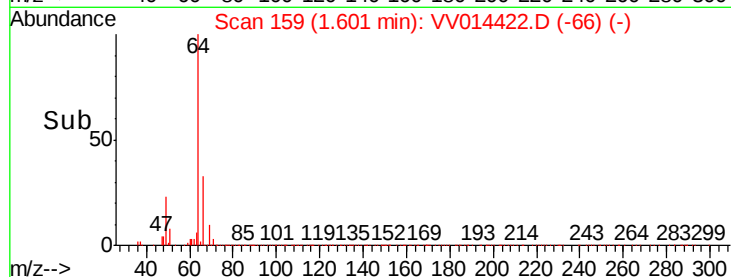
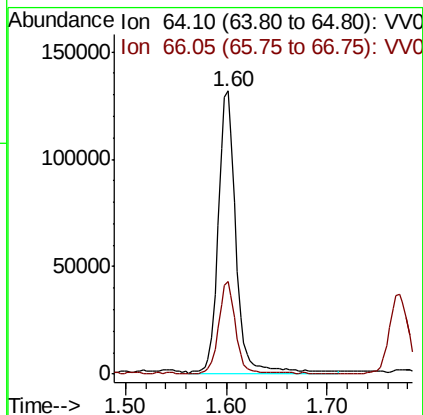
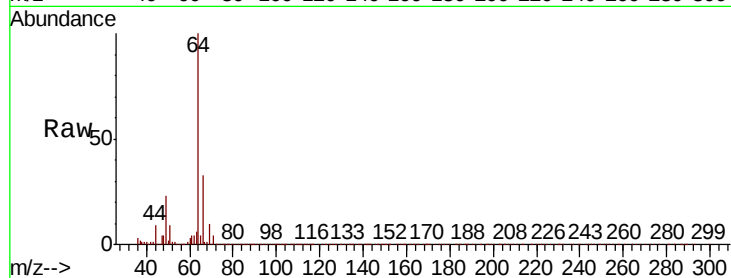
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 64 Resp: 165984

Ion Ratio Lower Upper

64 100

66 32.5 21.8 40.6



#9

Trichlorofluoromethane

Concen: 4.794 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV014422.D

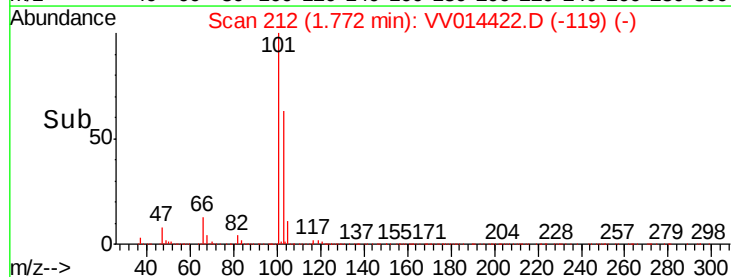
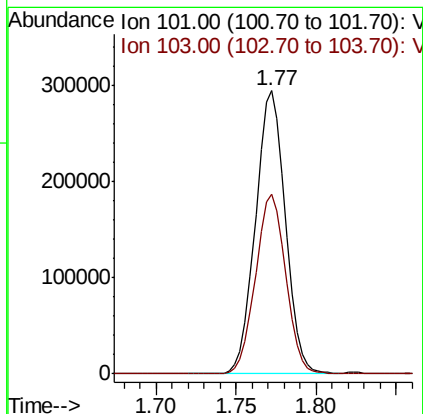
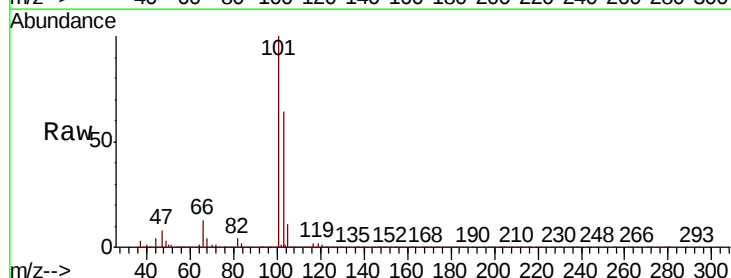
Acq: 28 Jan 2020 17:17

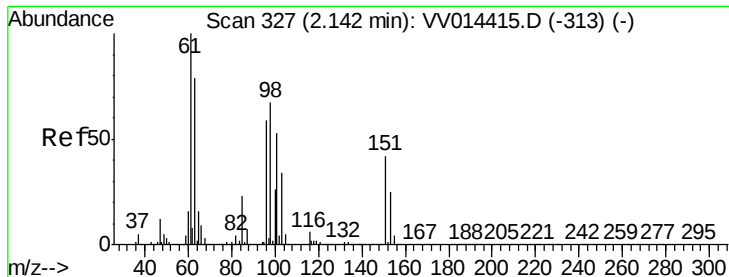
Tgt Ion: 101 Resp: 377790

Ion Ratio Lower Upper

101 100

103 64.3 52.6 78.8





#10

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

Concen: 4.797 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV014422.D

Acq: 28 Jan 2020 17:17

Instrument :

MSVOA_V

ClientSampleId :

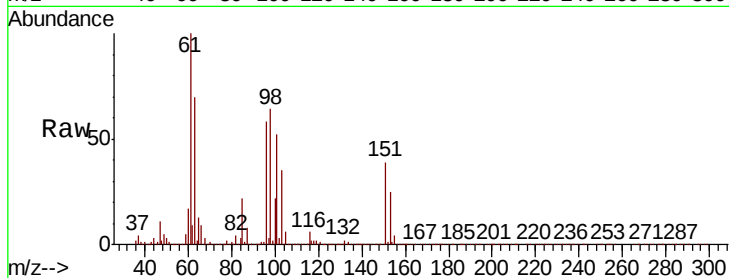
Tot Ion:101 Resp: 204800

Ion Ratio Lower Upper

101 100

85 42.1 34.9 52.3

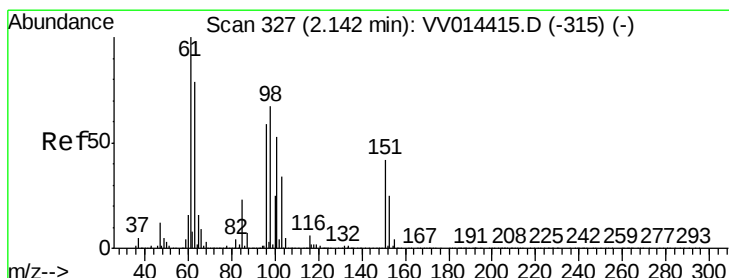
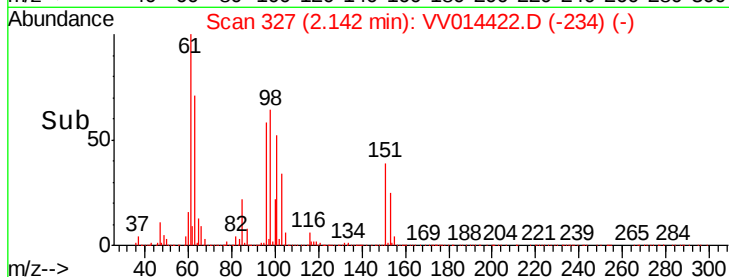
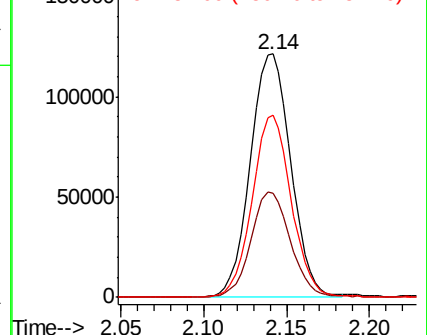
151 72.8 62.5 93.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.543 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV014422.D

Acq: 28 Jan 2020 17:17

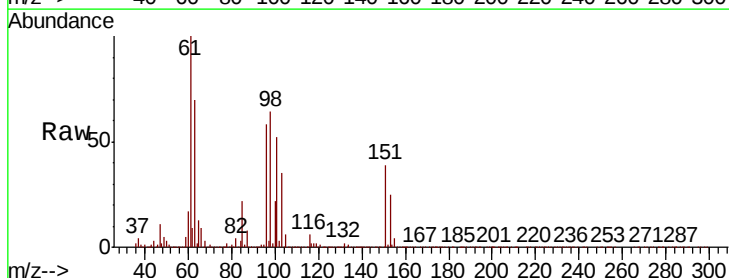
Tgt Ion: 96 Resp: 193620

Ion Ratio Lower Upper

96 100

61 173.5 121.5 225.7

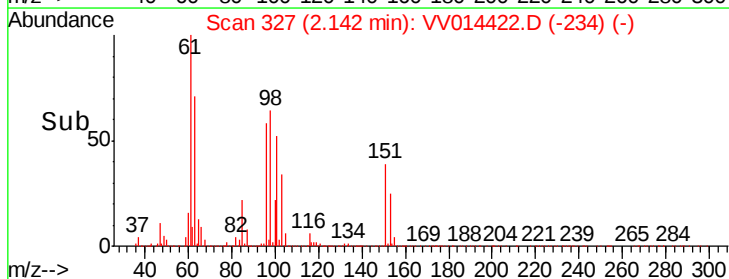
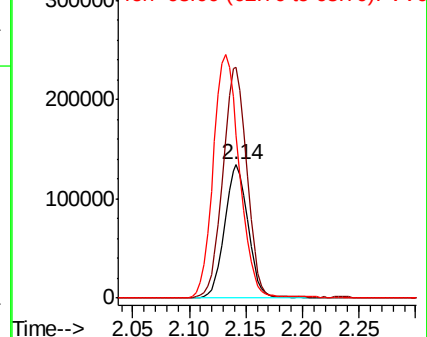
63 122.2 90.3 167.7

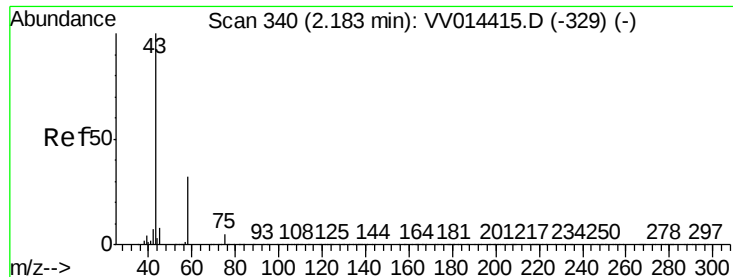


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0

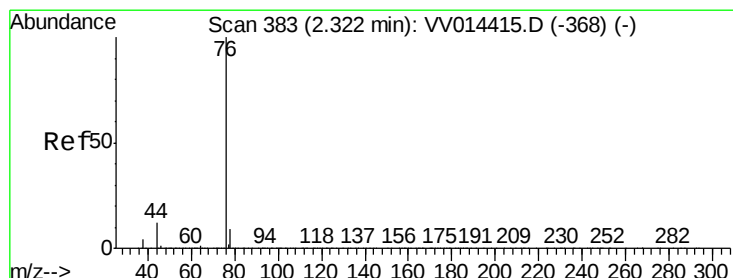
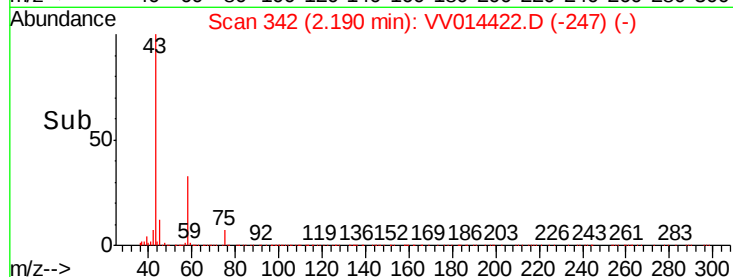
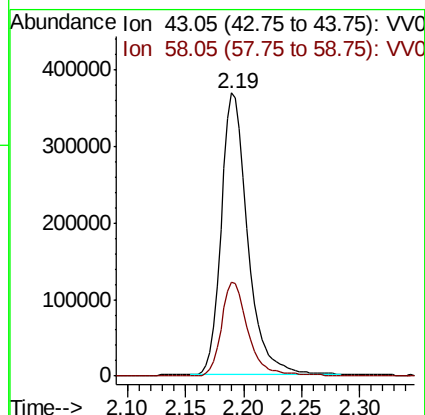
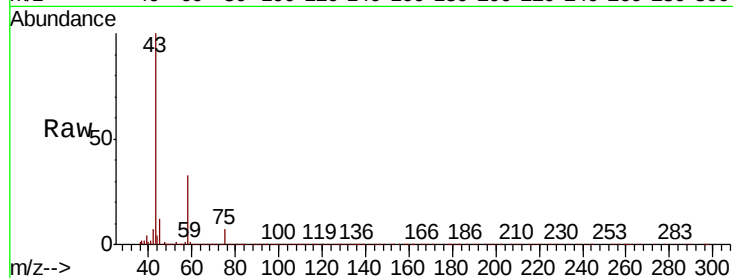




#13
Acetone
Concen: 53.076 ug/L
RT: 2.19 min Scan# 342
Delta R.T. 0.01 min
Lab File: VV014422.D
Acq: 28 Jan 2020 17:17

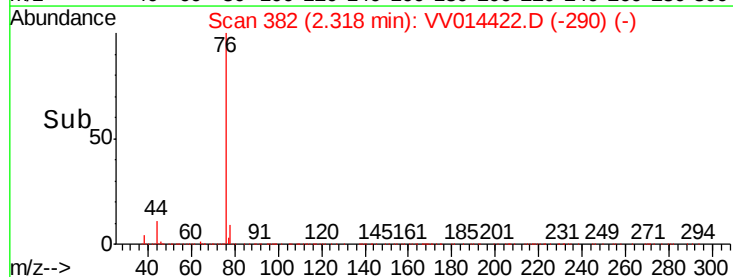
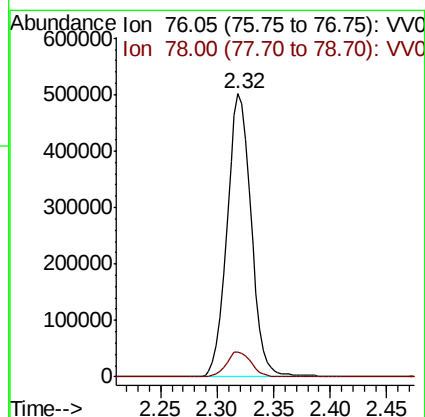
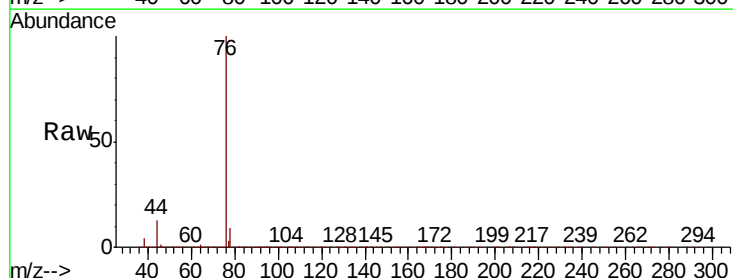
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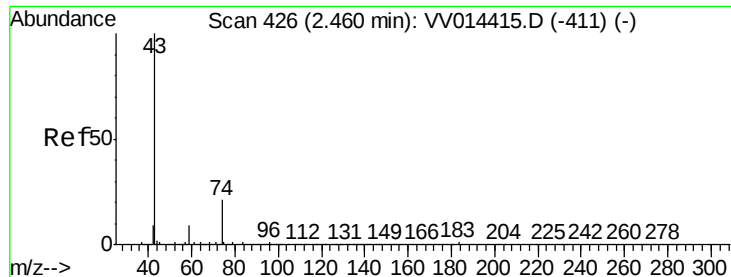
Tot Ion: 43 Resp: 586032
Ion Ratio Lower Upper
43 100
58 33.3 0.0 66.0



#14
Carbon disulfide
Concen: 3.939 ug/L
RT: 2.32 min Scan# 382
Delta R.T. -0.00 min
Lab File: VV014422.D
Acq: 28 Jan 2020 17:17

Tgt Ion: 76 Resp: 744917
Ion Ratio Lower Upper
76 100
78 8.8 7.5 11.3





#15

Methyl Acetate

Concen: 3.920 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VV014422.D

Acq: 28 Jan 2020 17:17

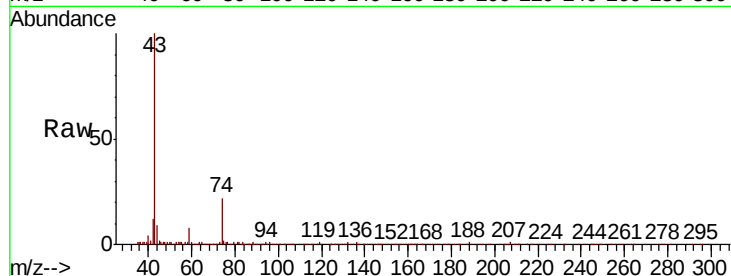
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 100747

Ion Ratio Lower Upper

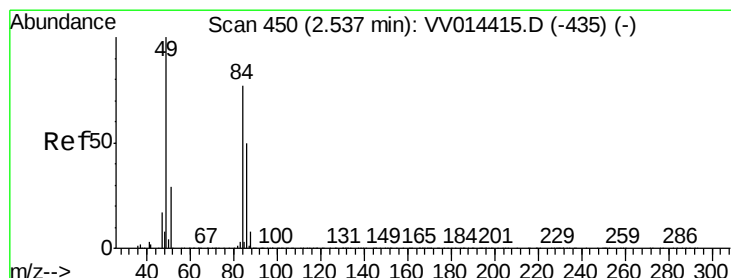
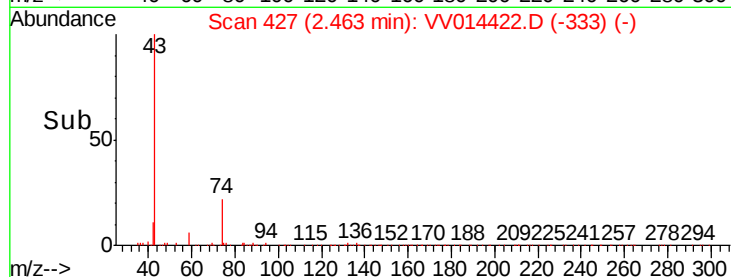
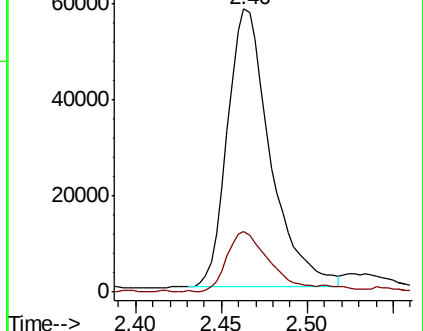
43 100

74 21.9 18.6 28.0



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 4.894 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV014422.D

Acq: 28 Jan 2020 17:17

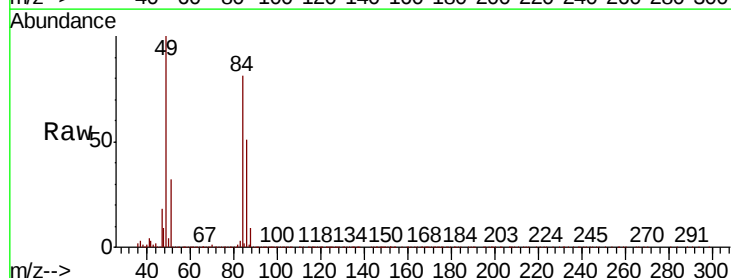
Tgt Ion: 84 Resp: 339522

Ion Ratio Lower Upper

84 100

86 63.1 43.1 80.1

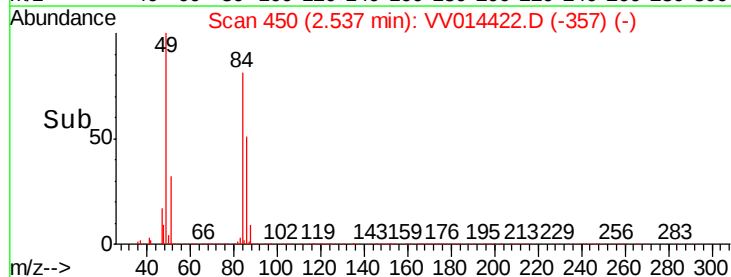
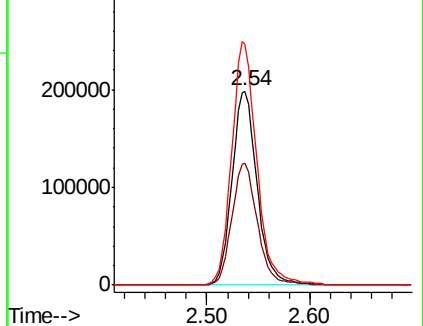
49 124.0 82.1 152.5

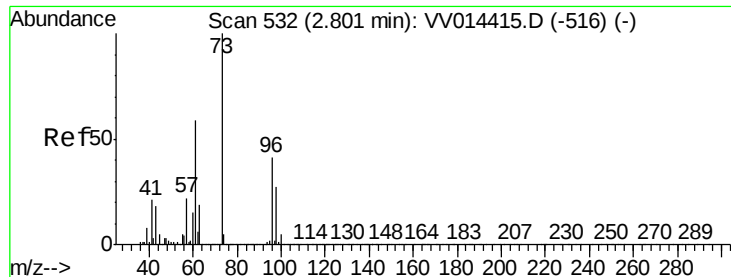


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

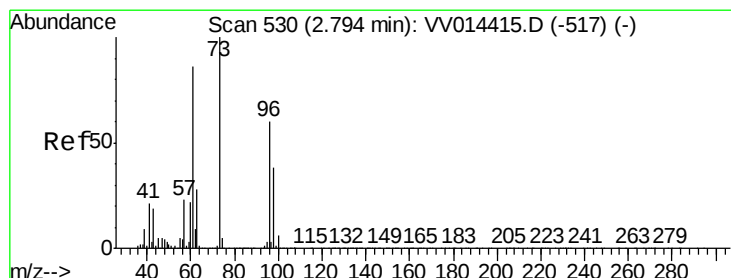
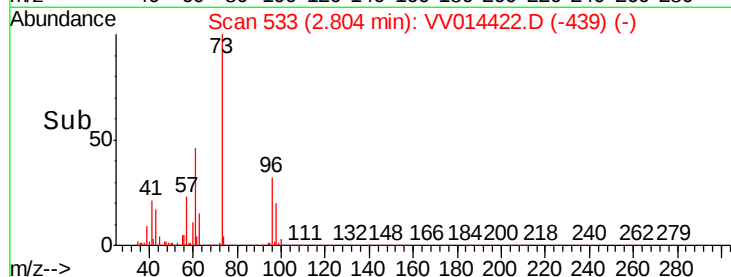
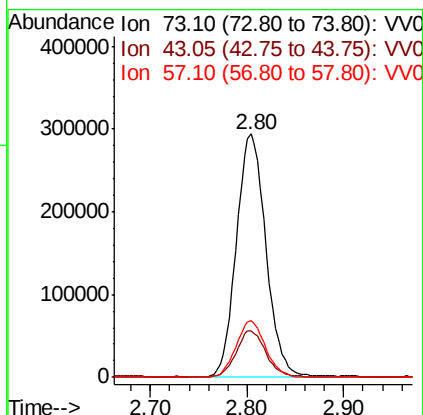
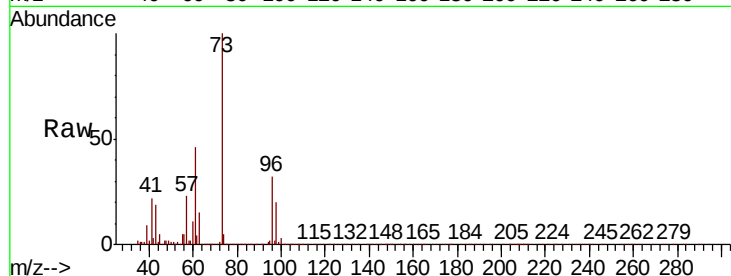




#17
Methvl tert-butvl Ether
Concen: 3.975 ug/L
RT: 2.80 min Scan# 533
Delta R.T. 0.00 min
Lab File: VV014422.D
Acq: 28 Jan 2020 17:17

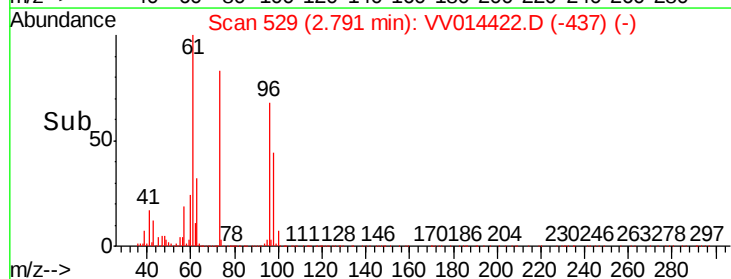
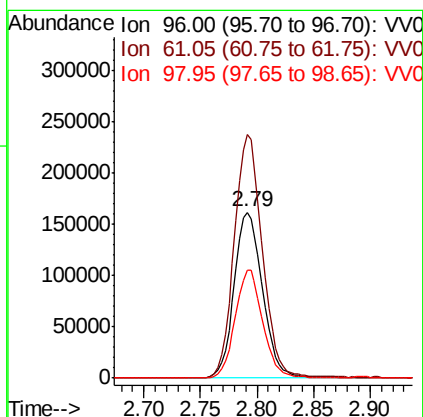
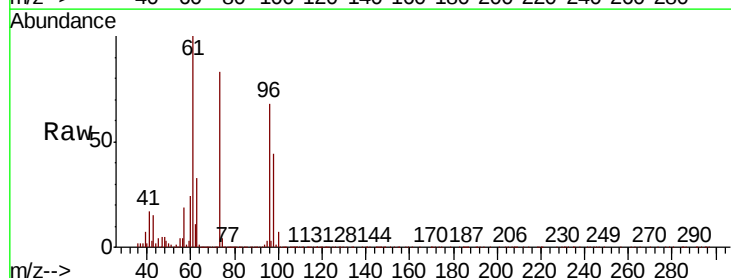
Instrument :
MSVOA_V
ClientSampleId :

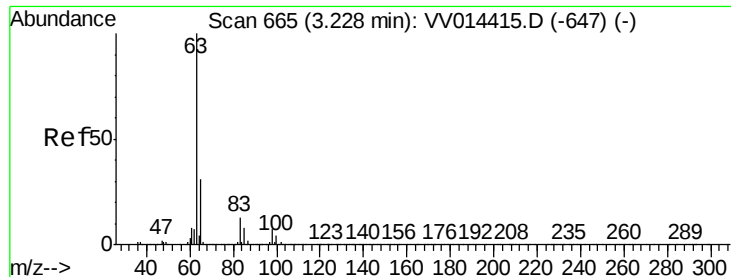
Tot Ion	Ratio	Lower	Upper
73	100		
43	18.6	14.7	22.1
57	22.9	17.9	26.9



#18
trans-1,2-Dichloroethene
Concen: 4.438 ug/L
RT: 2.79 min Scan# 529
Delta R.T. -0.00 min
Lab File: VV014422.D
Acq: 28 Jan 2020 17:17

Tgt Ion	Ratio	Lower	Upper
96	100		
61	147.0	99.2	184.2
98	64.9	43.1	80.1

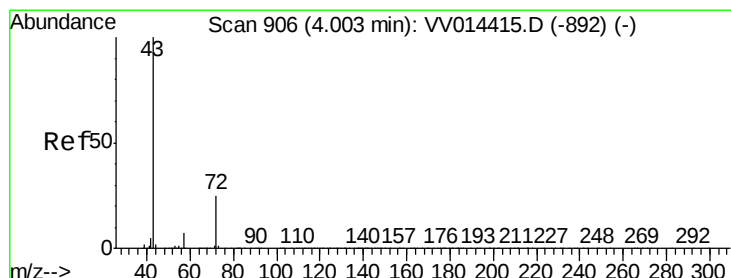
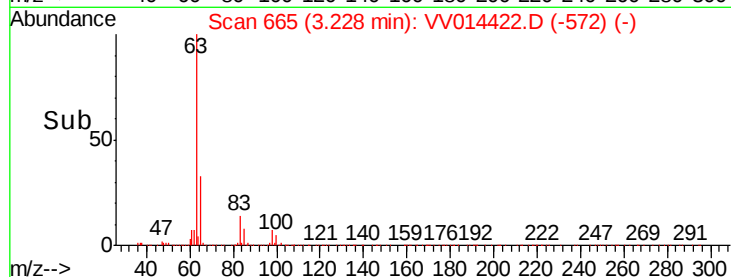
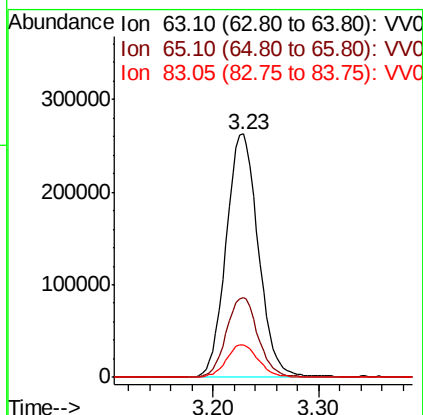
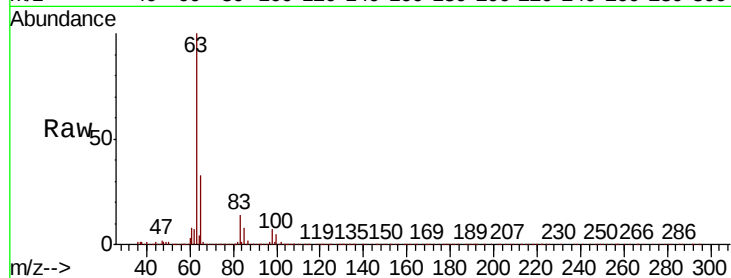




#19
 1,1-Dichloroethane
 Concen: 4.407 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV014422.D
 Acq: 28 Jan 2020 17:17

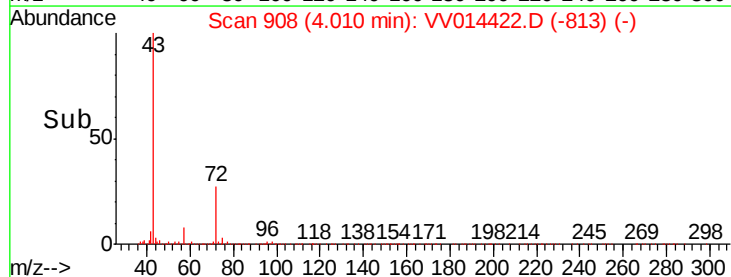
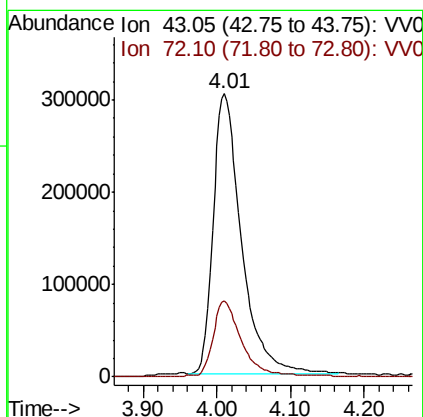
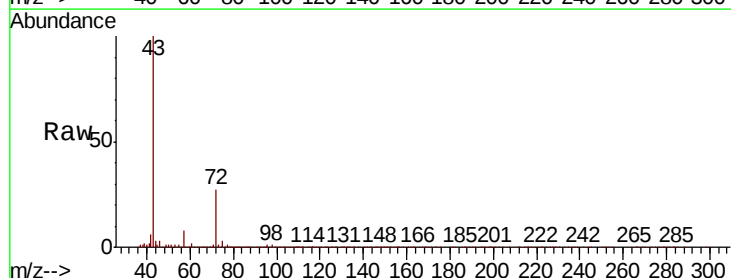
Instrument :
 MSVOA_V
 ClientSampleId :

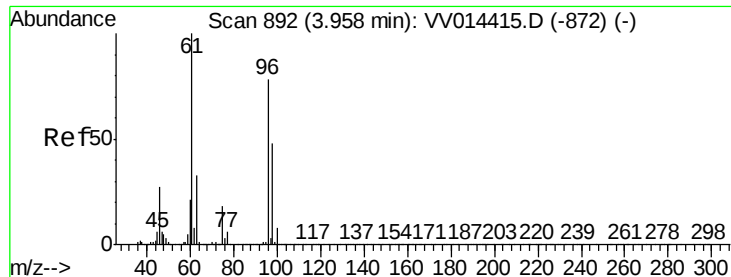
Tot Ion	Ratio	Lower	Upper
63	100		
65	33.0	22.7	42.3
83	13.5	10.0	18.6



#21
 2-Butanone
 Concen: 48.696 ug/L
 RT: 4.01 min Scan# 908
 Delta R.T. 0.01 min
 Lab File: VV014422.D
 Acq: 28 Jan 2020 17:17

Tgt Ion	Ratio	Lower	Upper
43	100		
72	26.4	12.4	37.2



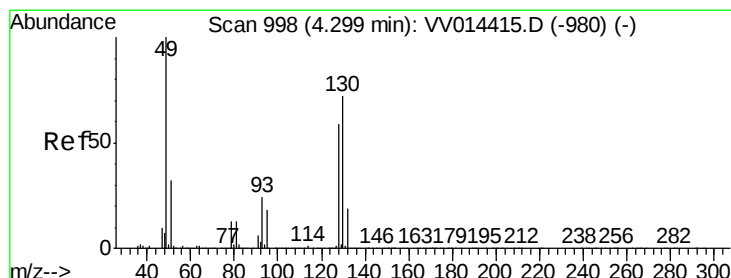
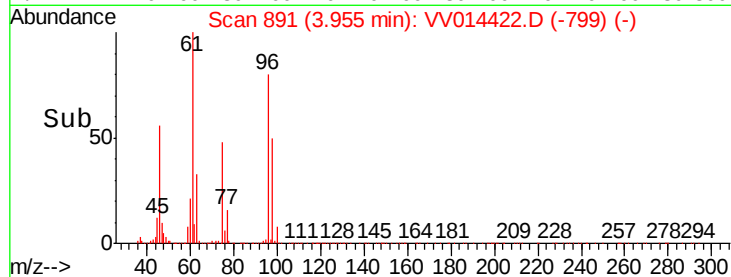
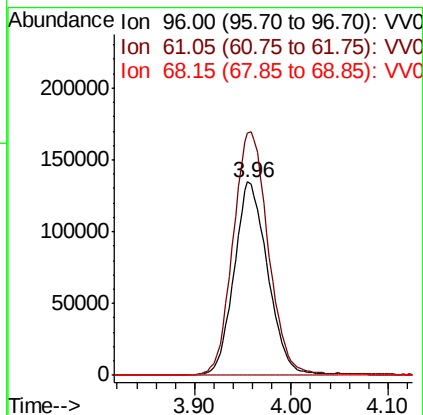
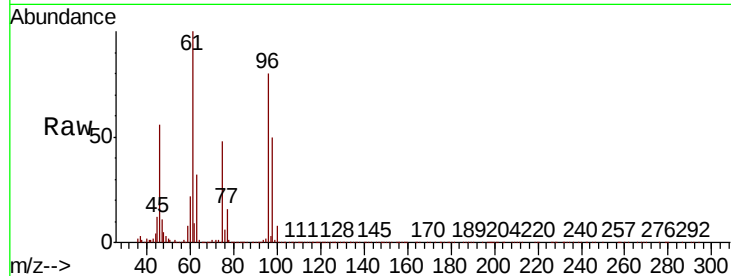


#22

cis-1,2-Dichloroethene
Concen: 4.611 ug/L
RT: 3.96 min Scan# 891
Delta R.T. -0.00 min
Lab File: VV014422.D
Acq: 28 Jan 2020 17:17

Instrument :
MSVOA_V
ClientSampled :

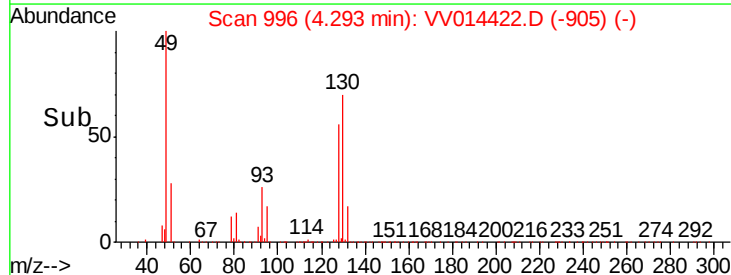
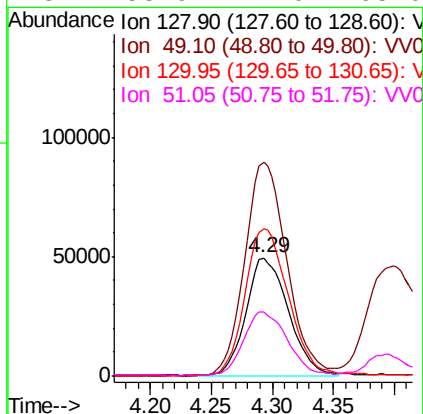
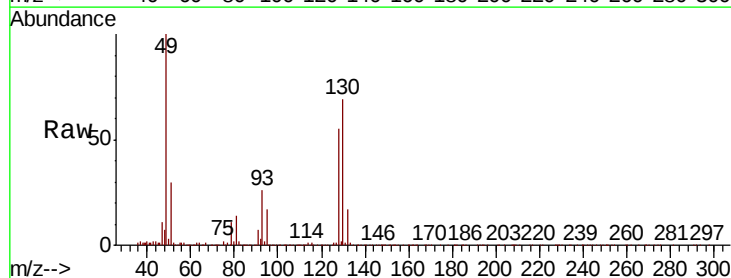
Tot Ion: 96 Resp: 323814
Ion Ratio Lower Upper
96 100
61 125.5 90.6 168.3
68 0.3 0.3 0.7#

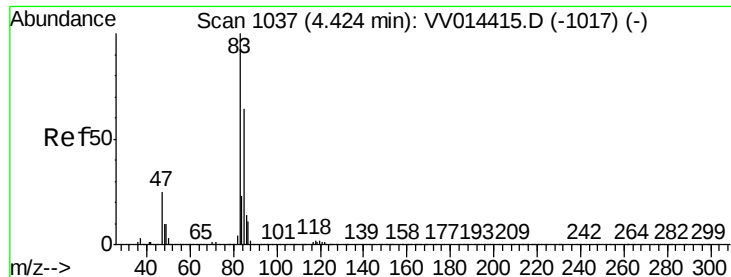


#23

Bromochloromethane
Concen: 4.447 ug/L
RT: 4.29 min Scan# 996
Delta R.T. -0.01 min
Lab File: VV014422.D
Acq: 28 Jan 2020 17:17

Tgt Ion: 128 Resp: 118724
Ion Ratio Lower Upper
128 100
49 181.1 117.5 218.1
130 124.5 93.7 173.9
51 53.9 42.0 63.0

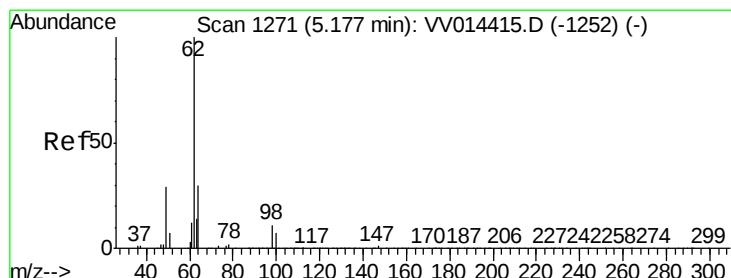
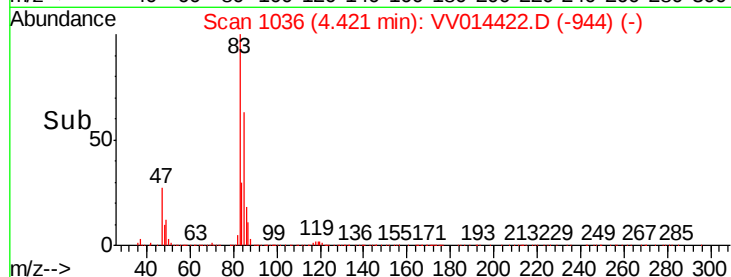
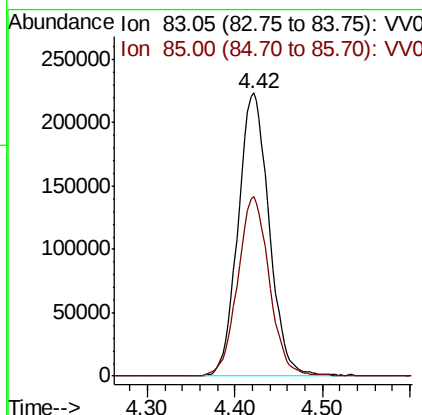
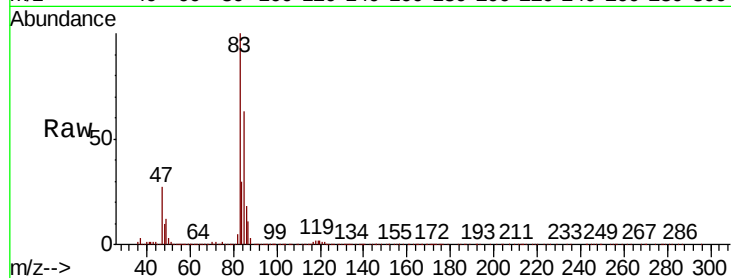




#25
Chloroform
Concen: 4.584 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV014422.D
Acq: 28 Jan 2020 17:17

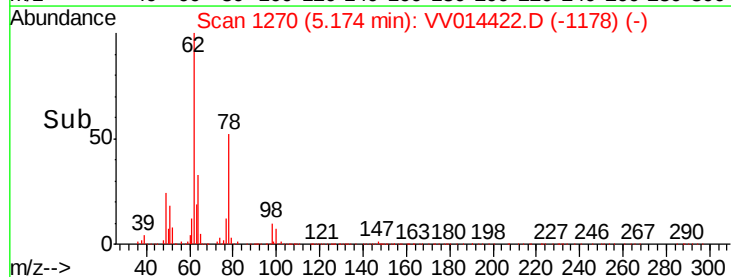
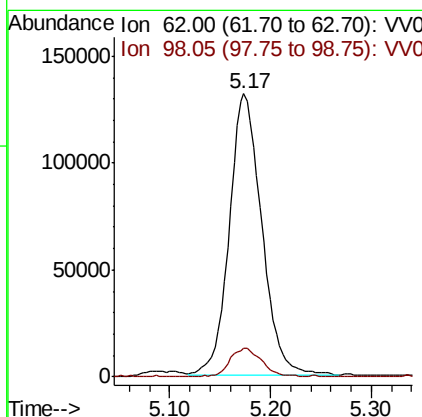
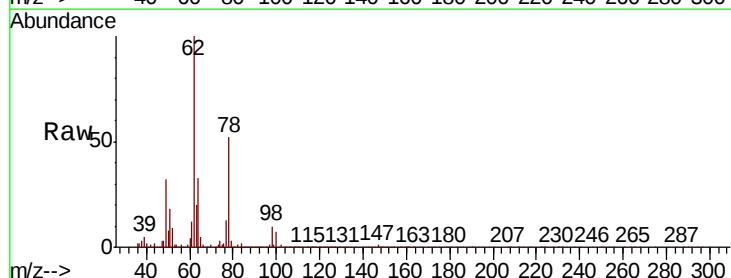
Instrument :
MSVOA_V
ClientSampled :

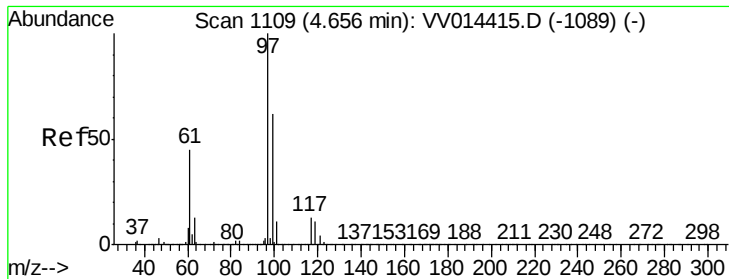
Tot Ion: 83 Resp: 551037
Ion Ratio Lower Upper
83 100
85 63.4 46.2 85.8



#27
1,2-Dichloroethane
Concen: 4.092 ug/L
RT: 5.17 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VV014422.D
Acq: 28 Jan 2020 17:17

Tgt Ion: 62 Resp: 294300
Ion Ratio Lower Upper
62 100
98 10.0 9.2 13.8

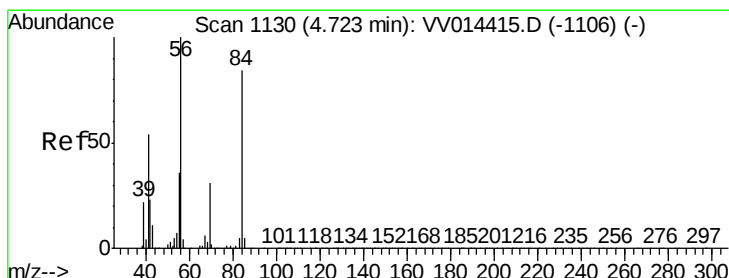
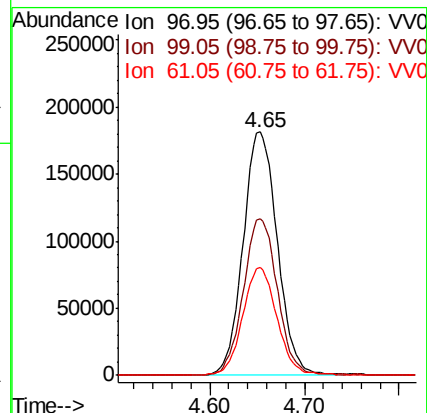
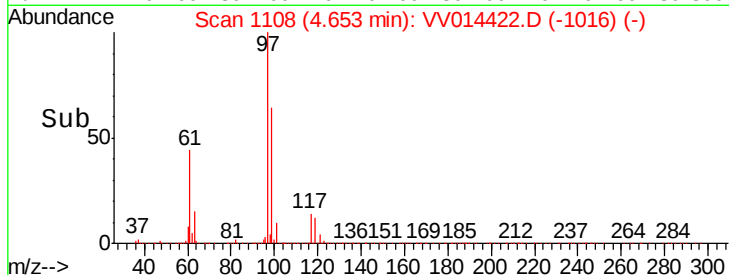
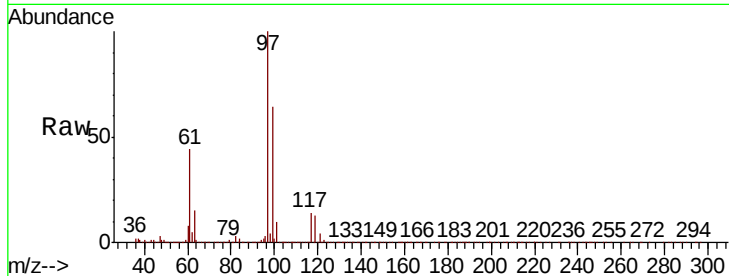




#29
 1,1,1-Trichloroethane
 Concen: 4.398 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. -0.00 min
 Lab File: VV014422.D
 Acq: 28 Jan 2020 17:17

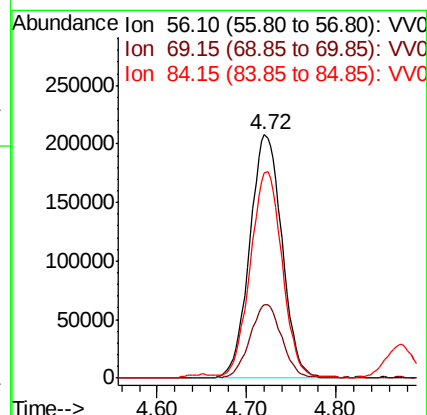
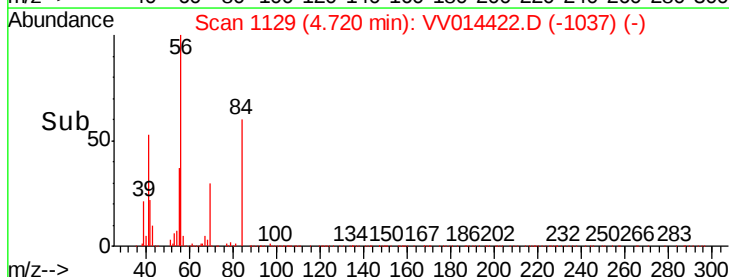
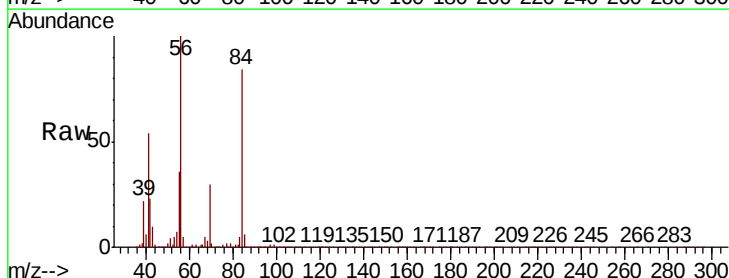
Instrument :
 MSVOA_V
 ClientSampled :

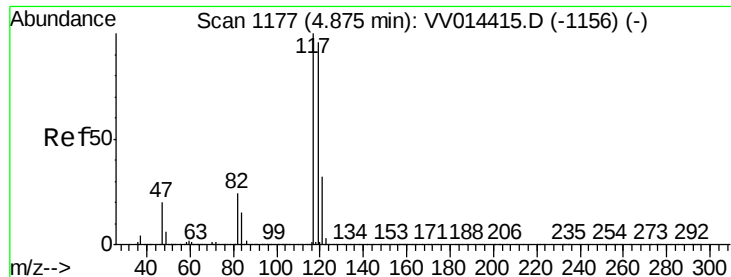
Tot Ion: 97 Resp: 455163
 Ion Ratio Lower Upper
 97 100
 99 63.6 51.1 76.7
 61 44.2 33.9 50.9



#30
 Cyclohexane
 Concen: 4.572 ug/L
 RT: 4.72 min Scan# 1129
 Delta R.T. -0.00 min
 Lab File: VV014422.D
 Acq: 28 Jan 2020 17:17

Tgt Ion: 56 Resp: 522453
 Ion Ratio Lower Upper
 56 100
 69 30.1 23.9 35.9
 84 83.3 68.9 103.3





#31

Carbon tetrachloride

Concen: 4.366 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VV014422.D

Acq: 28 Jan 2020 17:17

Instrument :

MSVOA_V

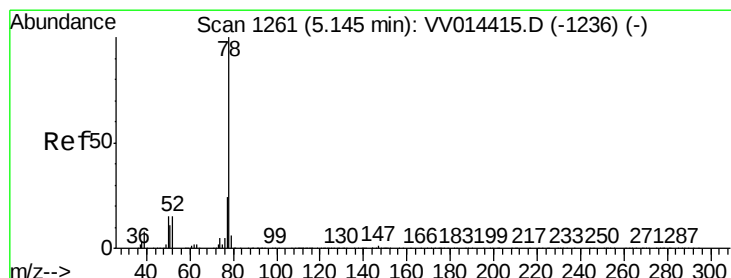
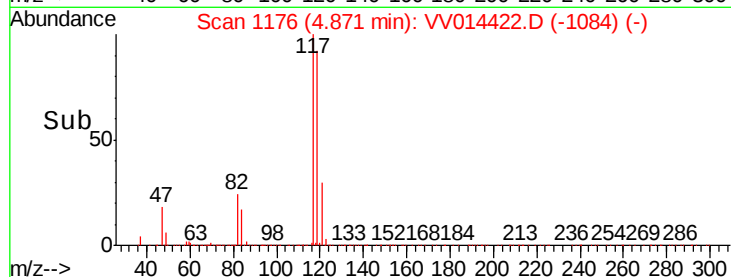
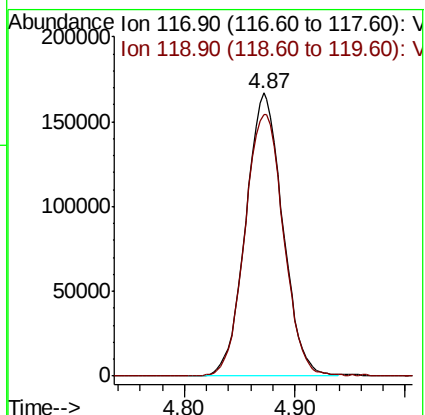
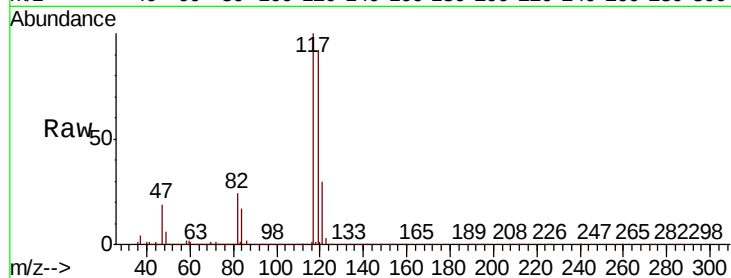
ClientSampleId :

Tot Ion:117 Resp: 386928

Ion Ratio Lower Upper

117 100

119 97.0 76.8 115.2



#33

Benzene

Concen: 4.629 ug/L

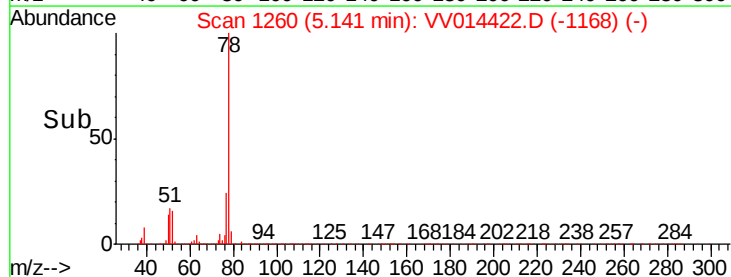
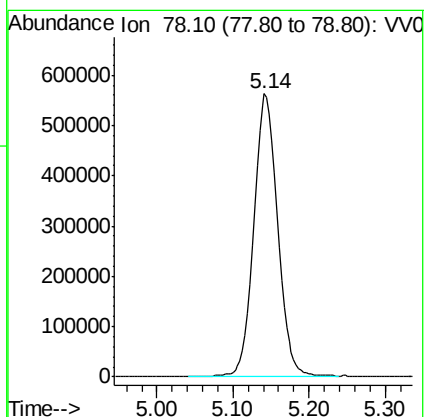
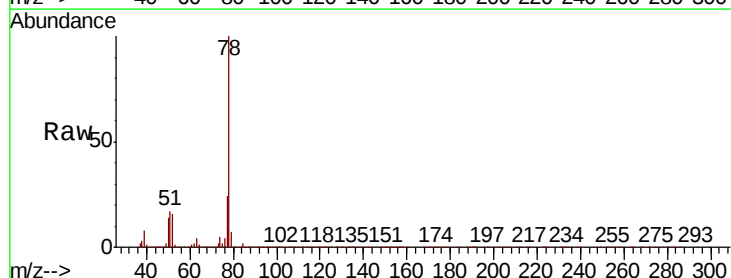
RT: 5.14 min Scan# 1260

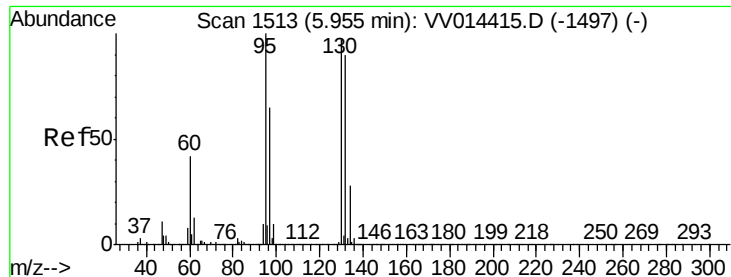
Delta R.T. -0.00 min

Lab File: VV014422.D

Acq: 28 Jan 2020 17:17

Tgt Ion: 78 Resp: 1239492





#34

Trichloroethene

Concen: 4.610 ug/L

RT: 5.95 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV014422.D

Acq: 28 Jan 2020 17:17

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 317202

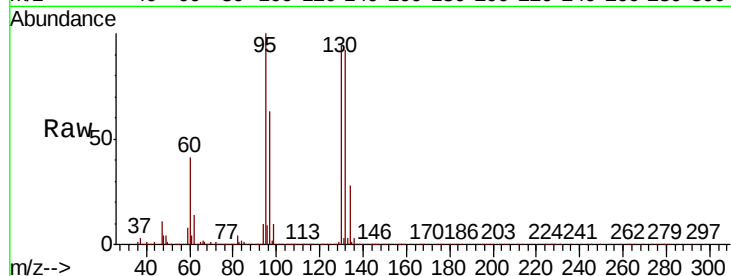
Ion Ratio Lower Upper

95 100

97 62.7 43.8 81.3

132 91.5 63.4 117.8

130 94.3 65.7 122.1

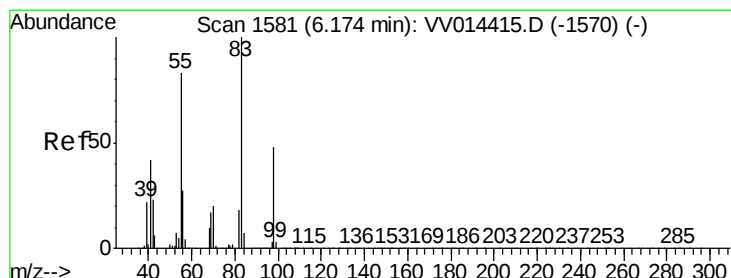
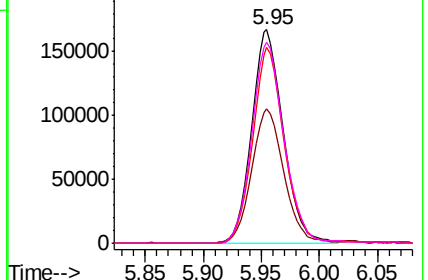
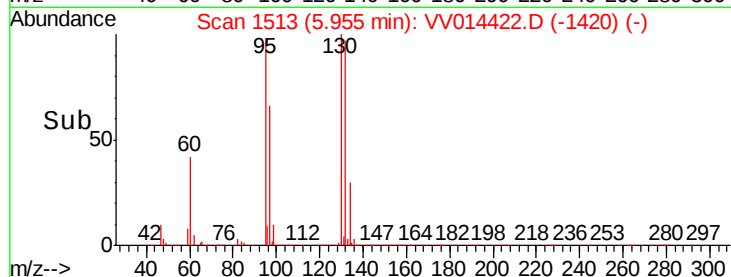


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 4.703 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV014422.D

Acq: 28 Jan 2020 17:17

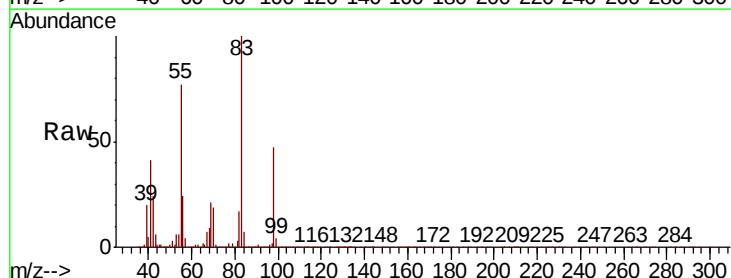
Tgt Ion: 83 Resp: 529064

Ion Ratio Lower Upper

83 100

55 78.4 61.7 92.5

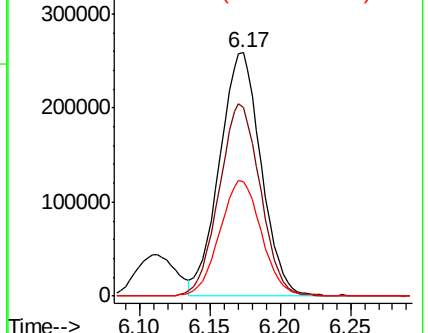
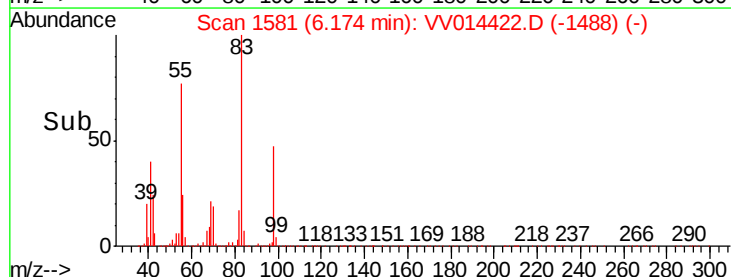
98 48.2 38.1 57.1

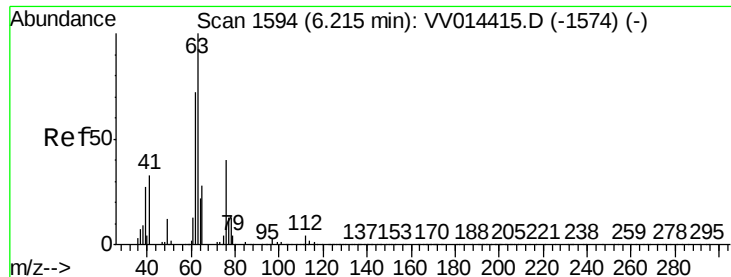


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

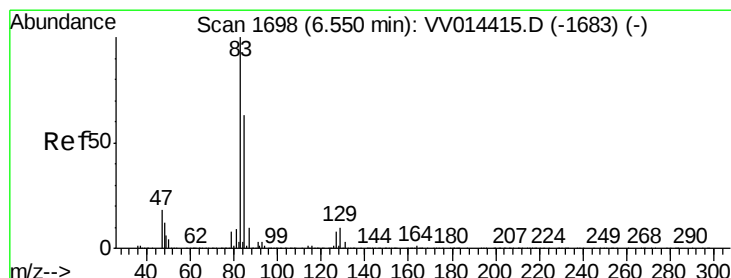
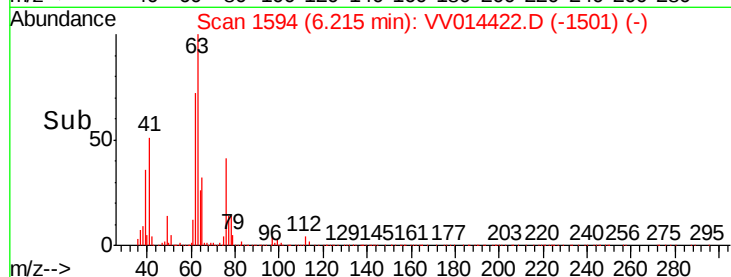
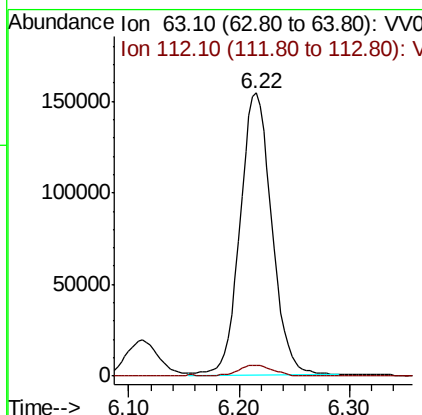
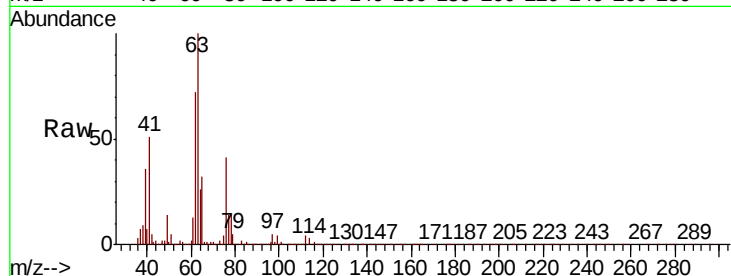




#37
 1,2-Dichloropropane
 Concen: 4.520 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. 0.00 min
 Lab File: VV014422.D
 Acq: 28 Jan 2020 17:17

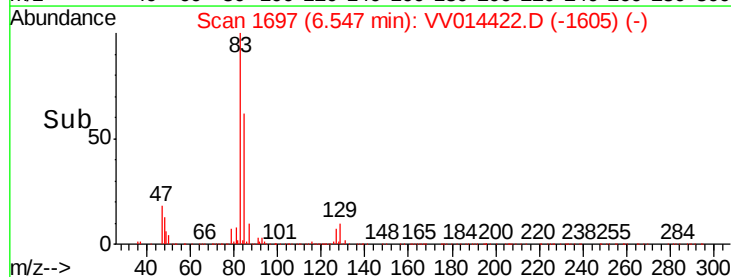
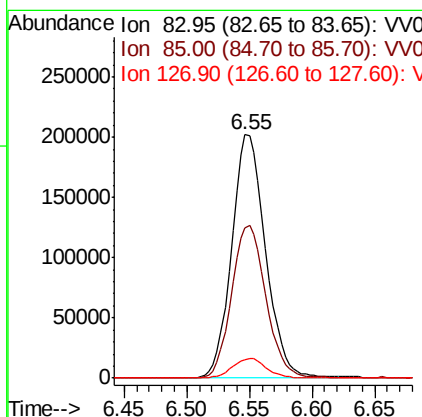
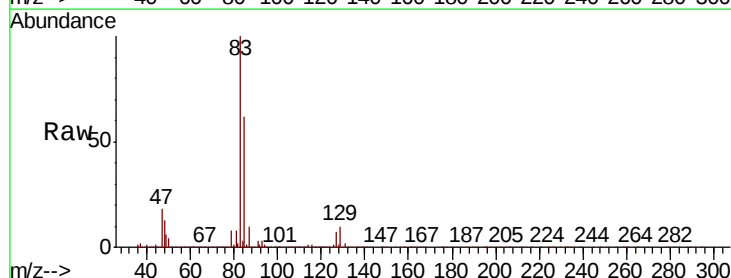
Instrument :
 MSVOA_V
 ClientSampleId :

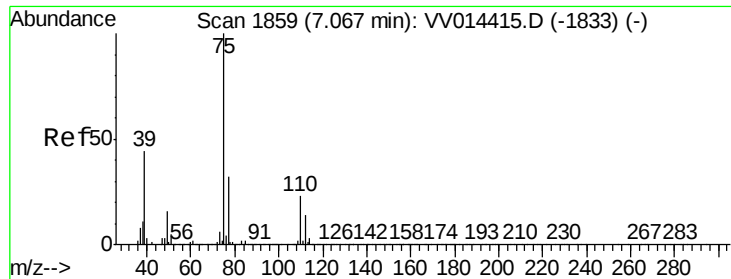
Tot Ion: 63 Resp: 305461
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.7 5.5



#38
 Bromodichloromethane
 Concen: 4.316 ug/L
 RT: 6.55 min Scan# 1697
 Delta R.T. -0.00 min
 Lab File: VV014422.D
 Acq: 28 Jan 2020 17:17

Tgt Ion: 83 Resp: 376165
 Ion Ratio Lower Upper
 83 100
 85 61.8 46.4 86.2
 127 7.4 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 4.098 ug/L

RT: 7.06 min Scan# 1858

Delta R.T. -0.00 min

Lab File: VV014422.D

Acq: 28 Jan 2020 17:17

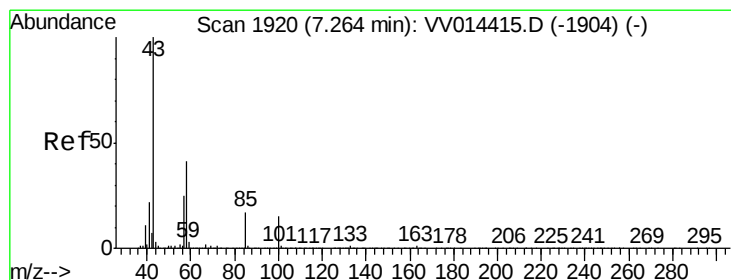
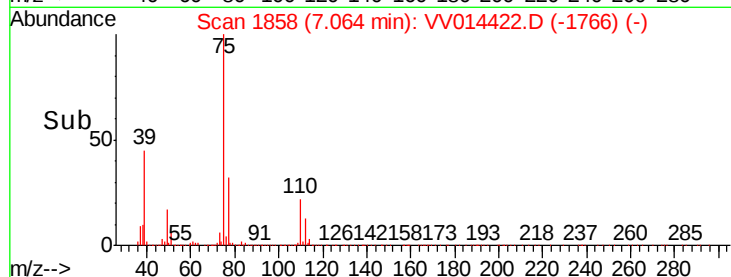
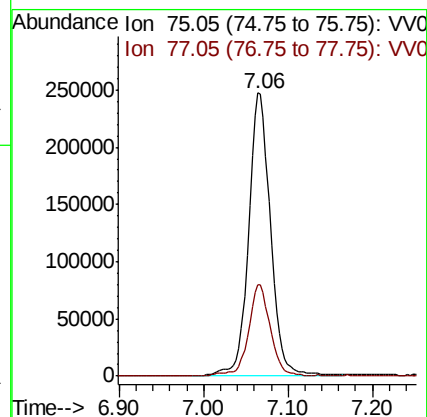
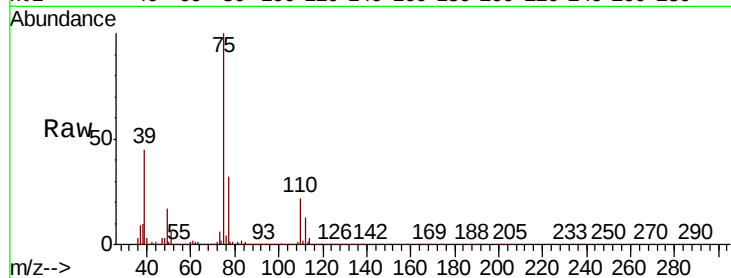
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 75 Resp: 448443

Ion Ratio Lower Upper

75 100

77 32.5 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 40.416 ug/L

RT: 7.26 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VV014422.D

Acq: 28 Jan 2020 17:17

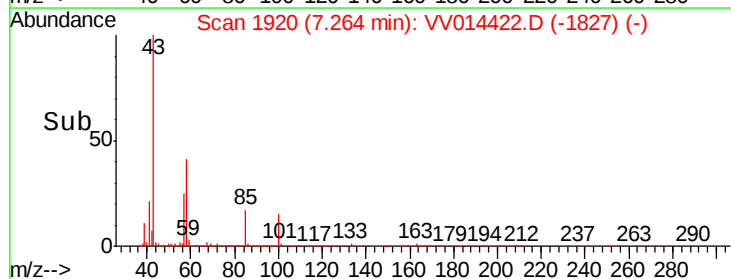
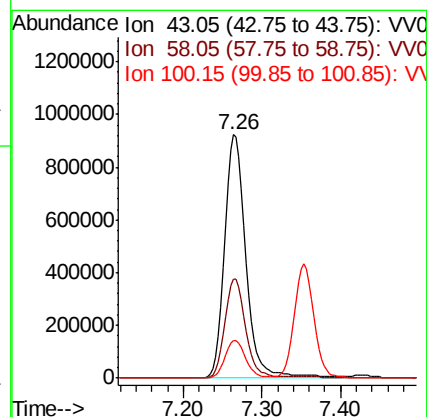
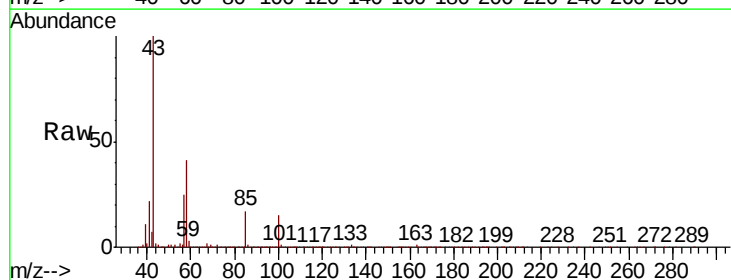
Tgt Ion: 43 Resp: 1721851

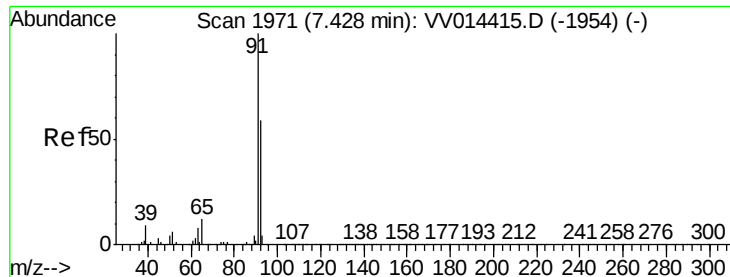
Ion Ratio Lower Upper

43 100

58 39.8 31.5 47.3

100 15.0 12.2 18.2





#42

Toluene

Concen: 4.624 ug/L

RT: 7.42 min Scan# 1970

Delta R.T. -0.00 min

Lab File: VV014422.D

Acq: 28 Jan 2020 17:17

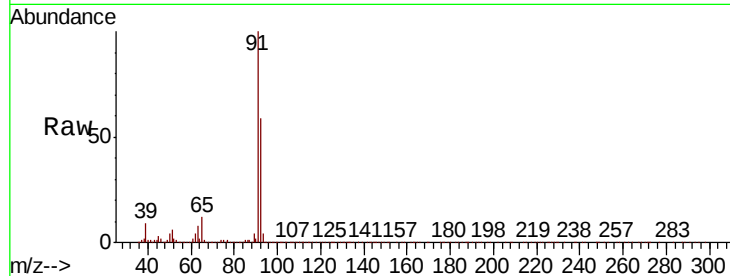
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 1306938

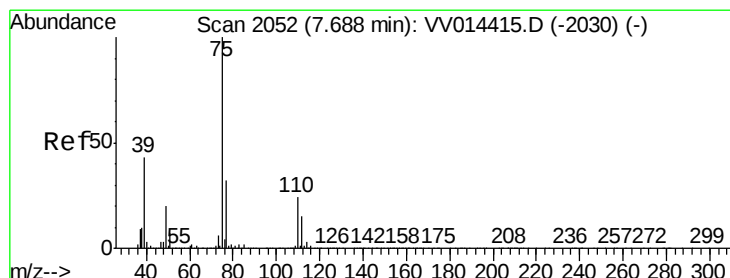
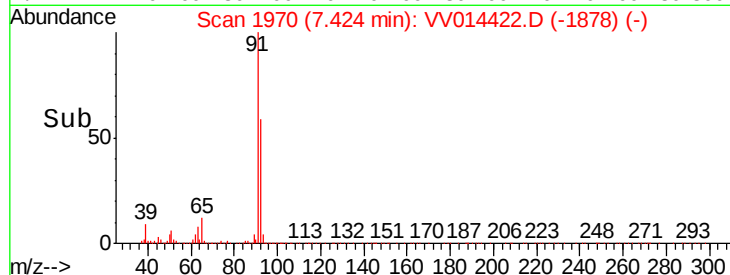
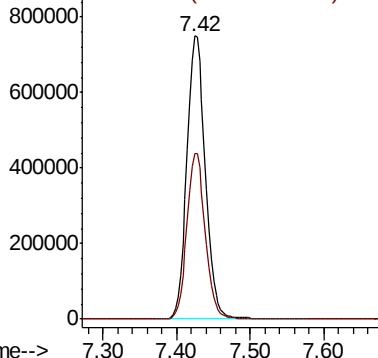
Ion Ratio Lower Upper

91 100

92 58.7 41.2 76.6



Abundance Ion 91.15 (90.85 to 91.85): VV0
Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 3.911 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. 0.00 min

Lab File: VV014422.D

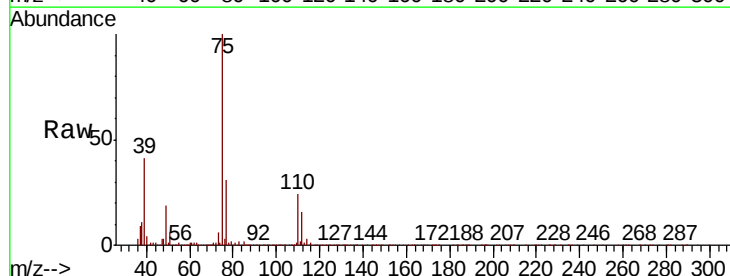
Acq: 28 Jan 2020 17:17

Tgt Ion: 75 Resp: 328615

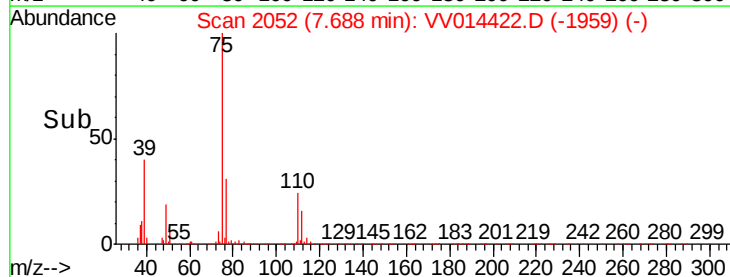
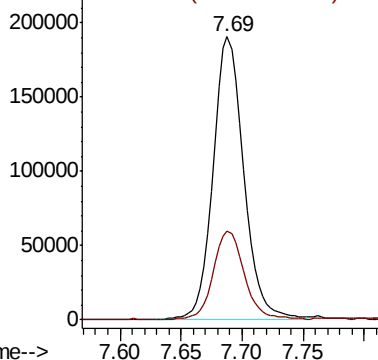
Ion Ratio Lower Upper

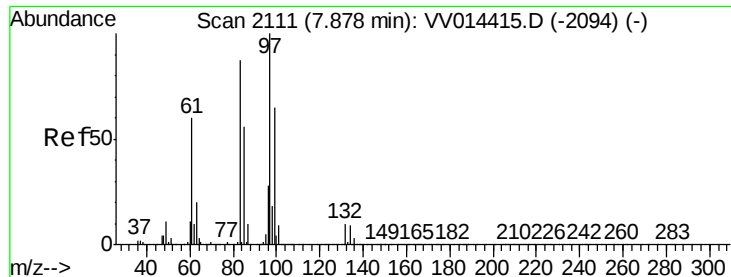
75 100

77 31.3 22.0 41.0



Abundance Ion 75.05 (74.75 to 75.75): VV0
Ion 77.05 (76.75 to 77.75): VV0

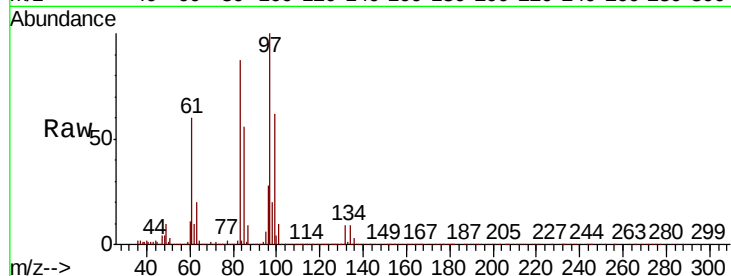




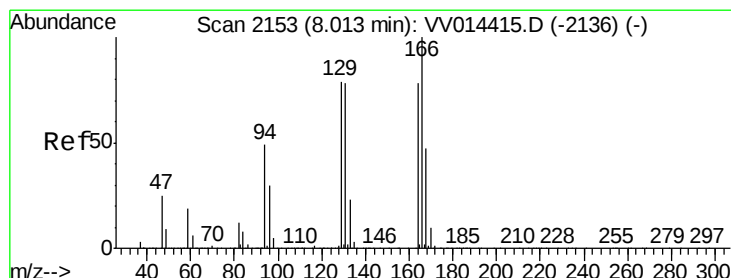
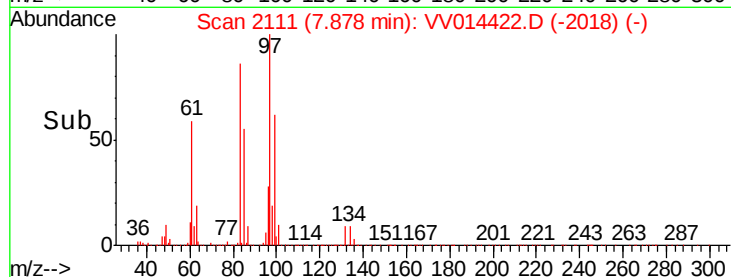
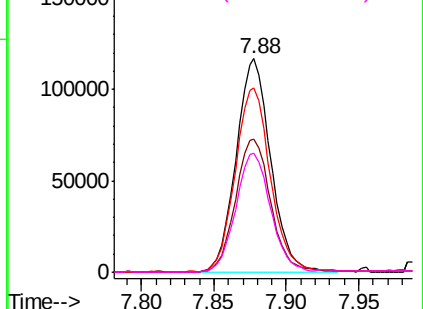
#45
 1,1,2-Trichloroethane
 Concen: 4.497 ug/L
 RT: 7.88 min Scan# 2111
 Delta R.T. 0.00 min
 Lab File: VV014422.D
 Acq: 28 Jan 2020 17:17

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	194155
Ion	Ratio	Lower	Upper
97	100		
99	62.2	43.7	81.1
83	86.6	60.0	111.4
85	55.7	39.2	72.8

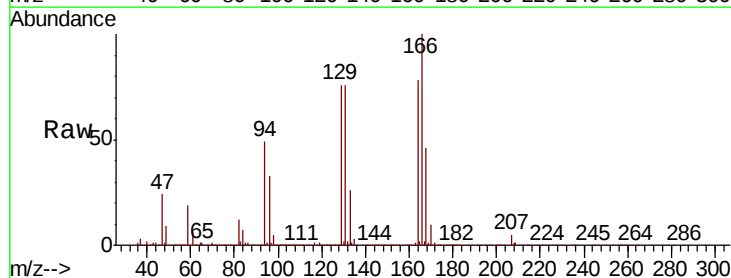


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

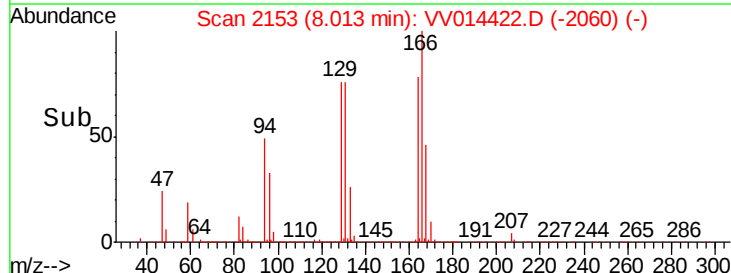
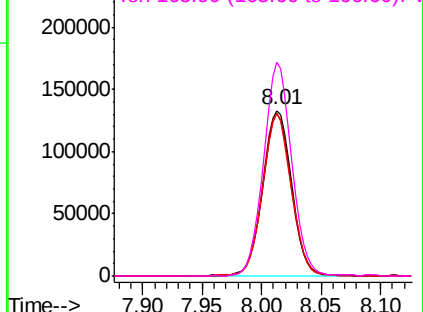


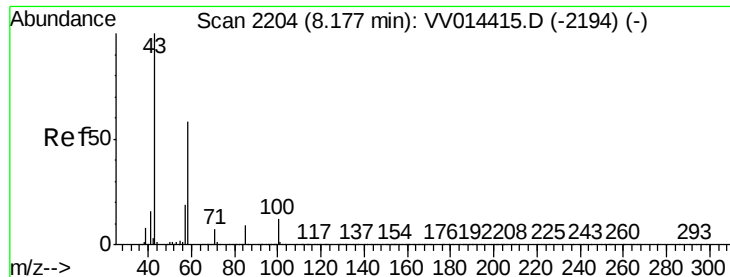
#47
 Tetrachloroethene
 Concen: 4.768 ug/L
 RT: 8.01 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: VV014422.D
 Acq: 28 Jan 2020 17:17

Tgt Ion:	164	Resp:	224129
Ion	Ratio	Lower	Upper
164	100		
129	98.4	71.7	133.3
131	98.0	70.4	130.8
166	128.9	90.3	167.7



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

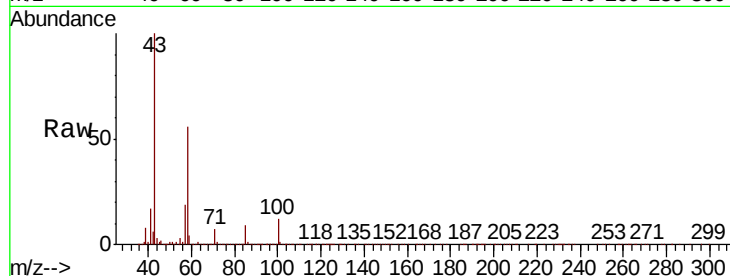




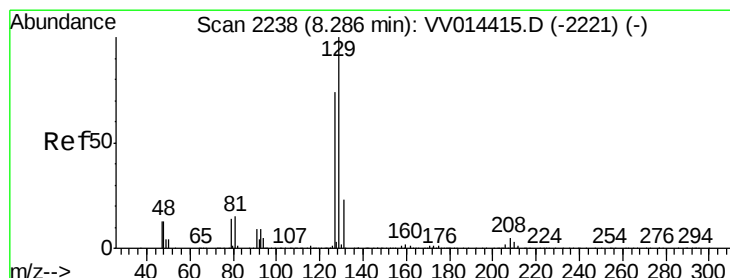
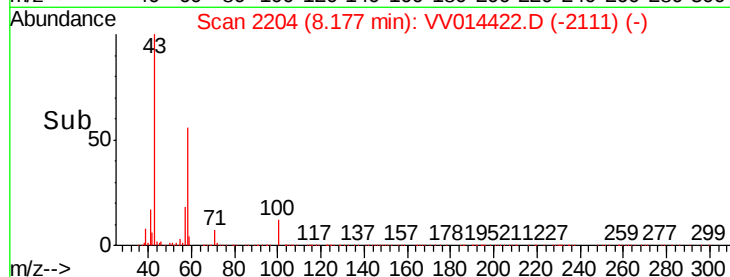
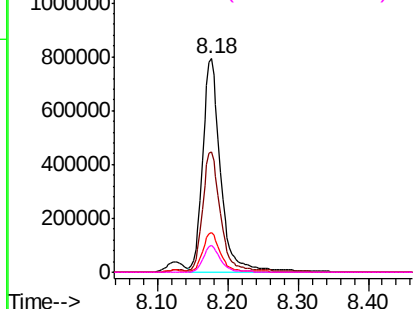
#48
2-Hexanone
Concen: 47.898 ug/L
RT: 8.18 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VV014422.D
Acq: 28 Jan 2020 17:17

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 1411464
Ion Ratio Lower Upper
43 100
58 56.6 45.4 68.0
57 18.0 15.8 23.8
100 12.1 10.2 15.4

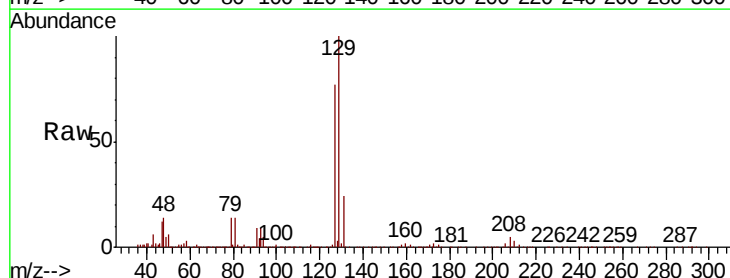


Abundance Ion 43.05 (42.75 to 43.75): VV014422.D (-2111) (-)
Ion 58.05 (57.75 to 58.75): VV014422.D (-2111) (-)
Ion 57.20 (56.90 to 57.90): VV014422.D (-2111) (-)
Ion 100.15 (99.85 to 100.85): VV014422.D (-2111) (-)

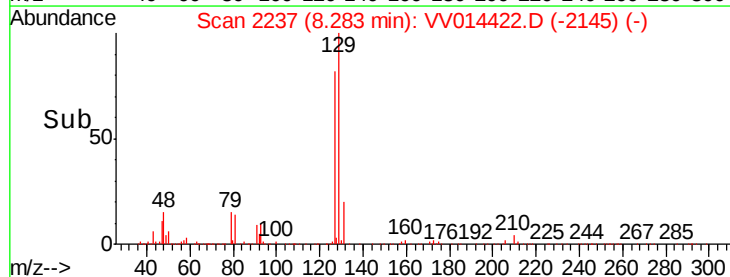
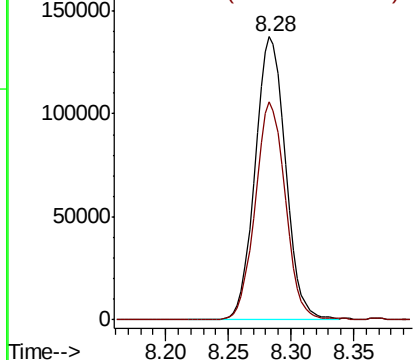


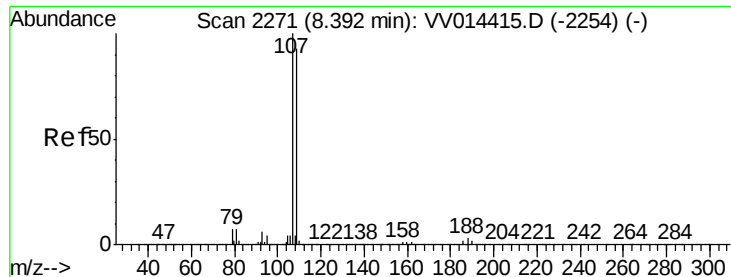
#49
Dibromochloromethane
Concen: 4.257 ug/L
RT: 8.28 min Scan# 2237
Delta R.T. -0.00 min
Lab File: VV014422.D
Acq: 28 Jan 2020 17:17

Tgt Ion: 129 Resp: 232351
Ion Ratio Lower Upper
129 100
127 76.8 55.7 103.5



Abundance Ion 128.95 (128.65 to 129.65): VV014422.D (-2145) (-)
Ion 126.90 (126.60 to 127.60): VV014422.D (-2145) (-)





#50

1,2-Dibromoethane

Concen: 4.234 ug/L

RT: 8.39 min Scan# 2270

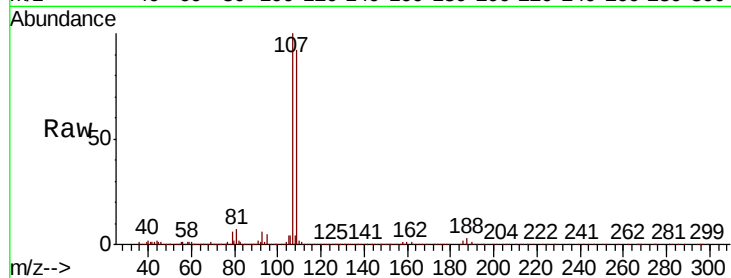
Delta R.T. -0.00 min

Lab File: VV014422.D

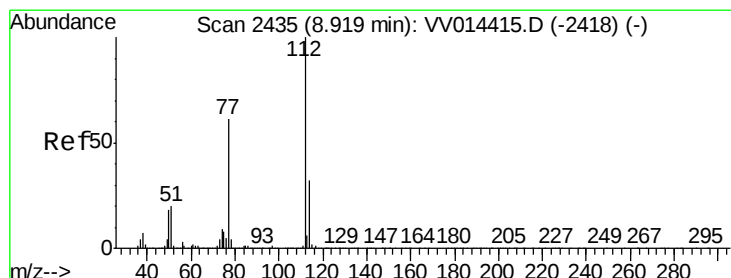
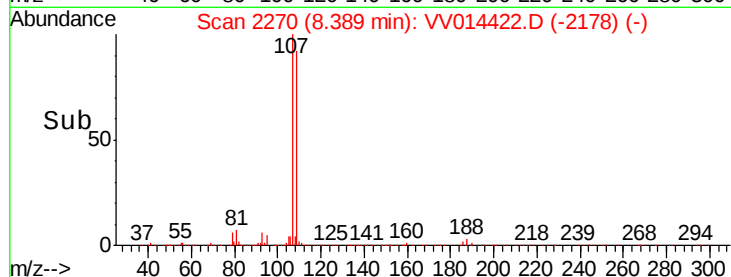
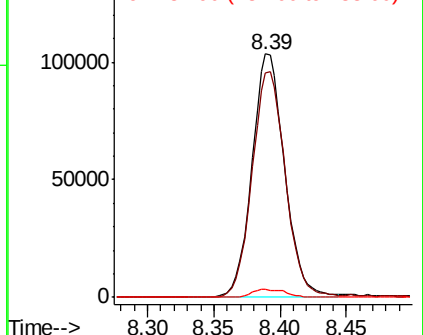
Acq: 28 Jan 2020 17:17

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	107	Resp:	177029
Ion	Ratio	Lower	Upper
107	100		
109	92.2	63.0	117.0
188	3.4	3.0	4.4



Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V



#51

Chlorobenzene

Concen: 4.653 ug/L

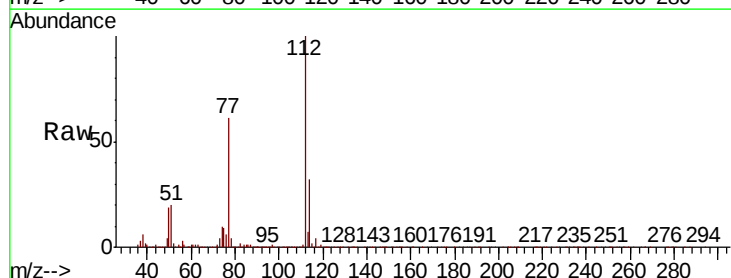
RT: 8.92 min Scan# 2435

Delta R.T. 0.00 min

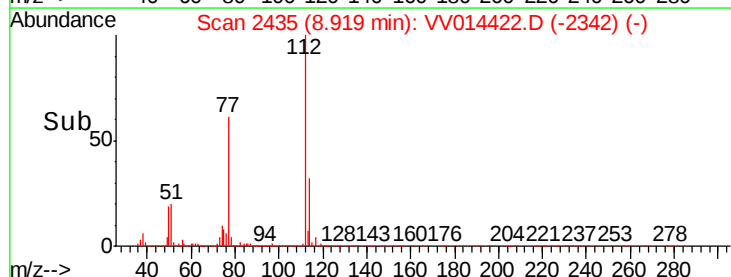
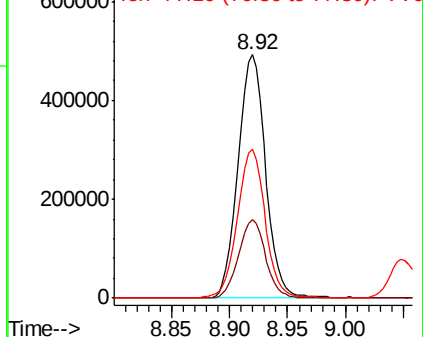
Lab File: VV014422.D

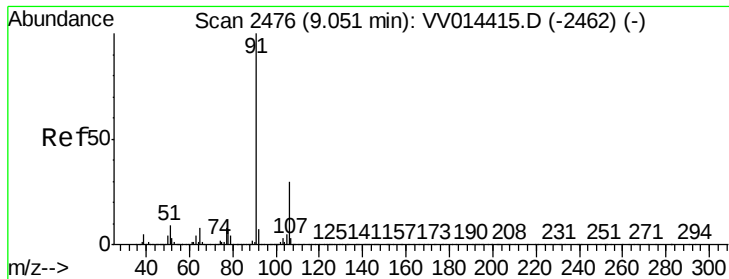
Acq: 28 Jan 2020 17:17

Tgt Ion:	112	Resp:	808832
Ion	Ratio	Lower	Upper
112	100		
114	32.2	22.5	41.7
77	61.0	49.3	73.9



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





#52

Ethylbenzene

Concen: 4.623 ug/L

RT: 9.05 min Scan# 2475

Delta R.T. -0.00 min

Lab File: VV014422.D

Acq: 28 Jan 2020 17:17

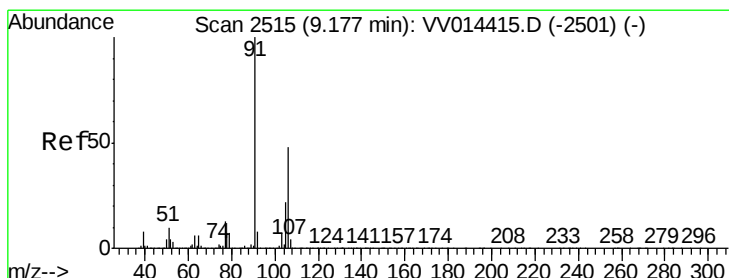
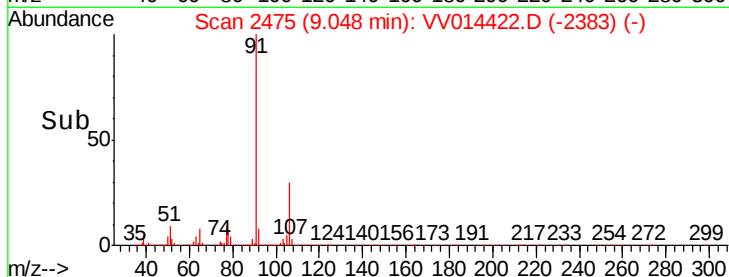
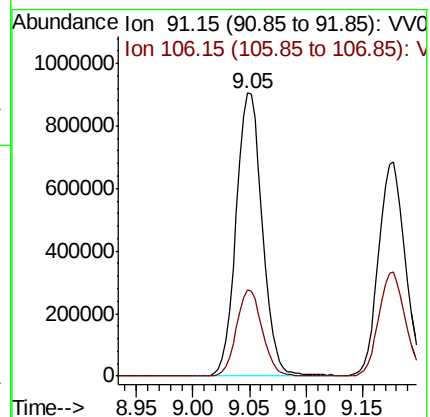
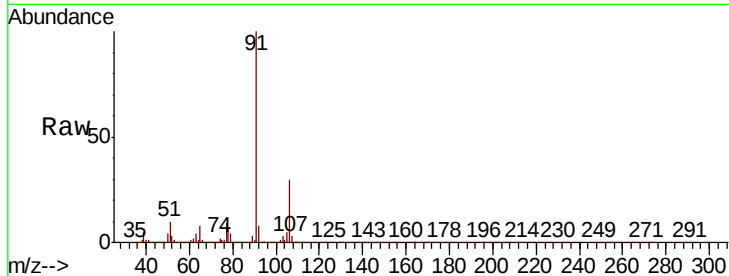
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 1461787

Ion Ratio Lower Upper

91 100

106 30.3 21.6 40.0



#53

m,p-xylene

Concen: 4.672 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV014422.D

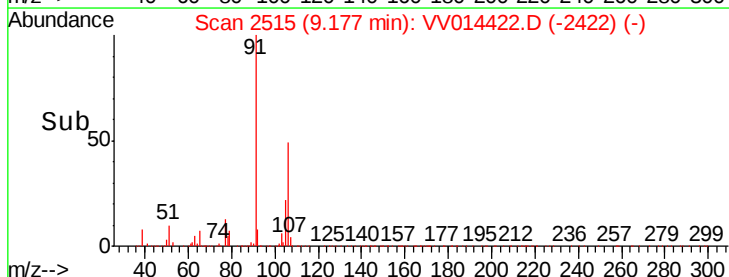
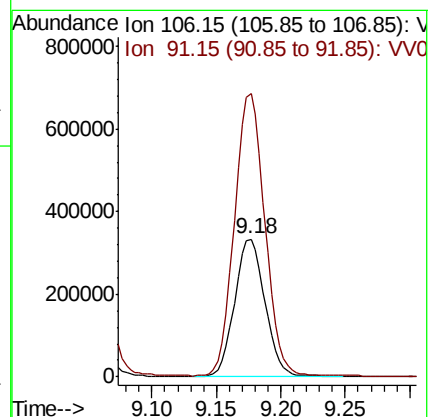
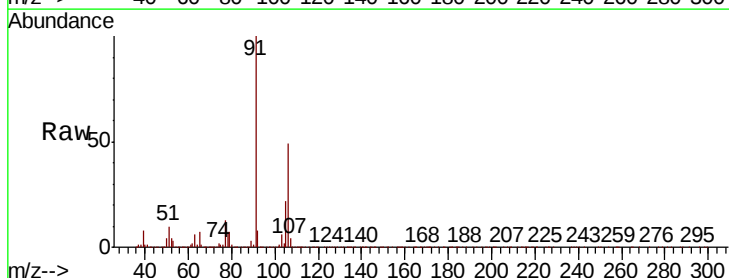
Acq: 28 Jan 2020 17:17

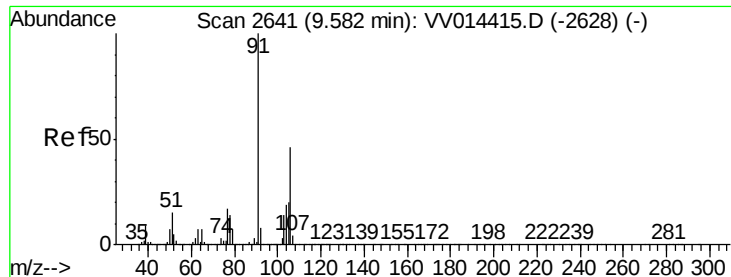
Tgt Ion: 106 Resp: 544972

Ion Ratio Lower Upper

106 100

91 205.4 146.8 272.6

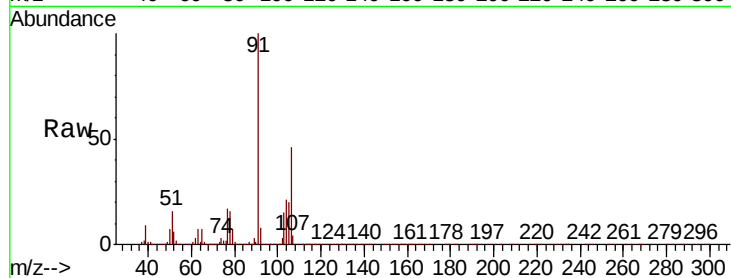




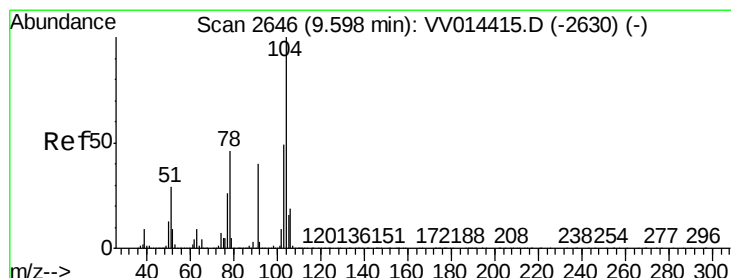
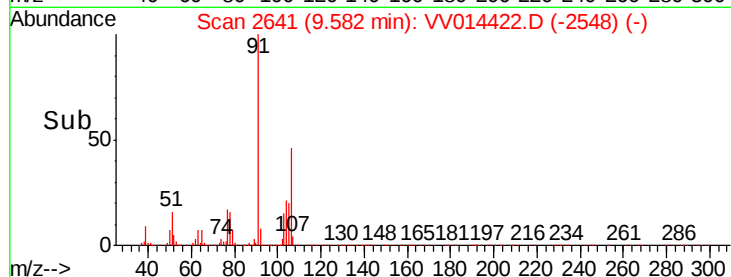
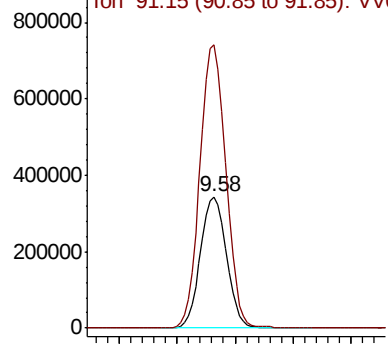
#54
o-xylene
Concen: 4.689 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV014422.D
Acq: 28 Jan 2020 17:17

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 537852
Ion Ratio Lower Upper
106 100
91 215.7 150.9 280.3

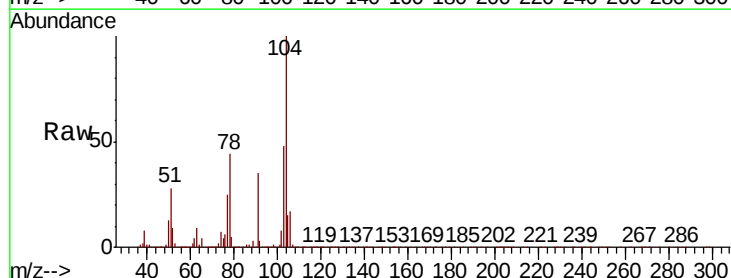


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

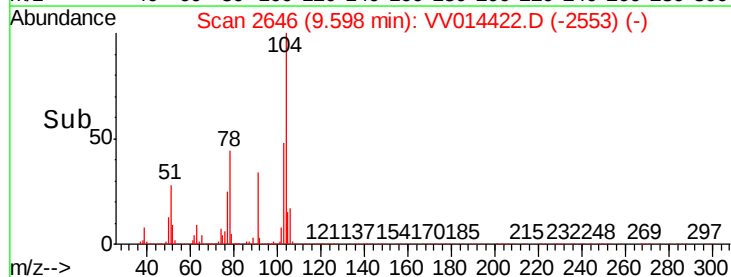
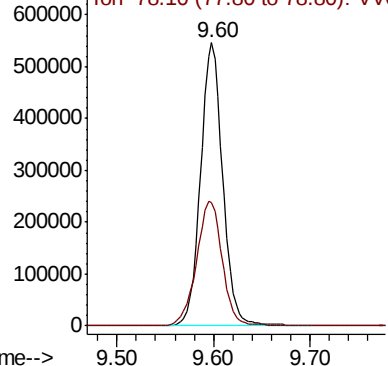


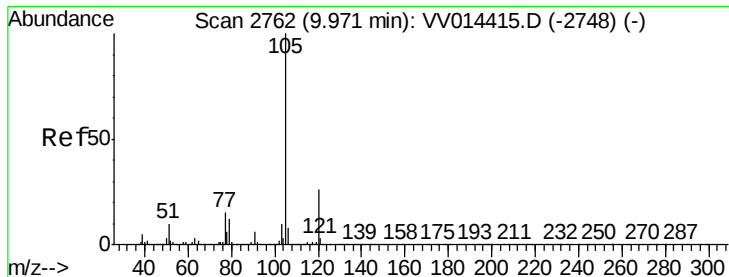
#55
Styrene
Concen: 4.475 ug/L
RT: 9.60 min Scan# 2646
Delta R.T. 0.00 min
Lab File: VV014422.D
Acq: 28 Jan 2020 17:17

Tgt Ion:104 Resp: 869477
Ion Ratio Lower Upper
104 100
78 43.8 31.7 58.9



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 4.777 ug/L

RT: 9.97 min Scan# 2761

Delta R.T. -0.00 min

Lab File: VV014422.D

Acq: 28 Jan 2020 17:17

Instrument :

MSVOA_V

ClientSampleId :

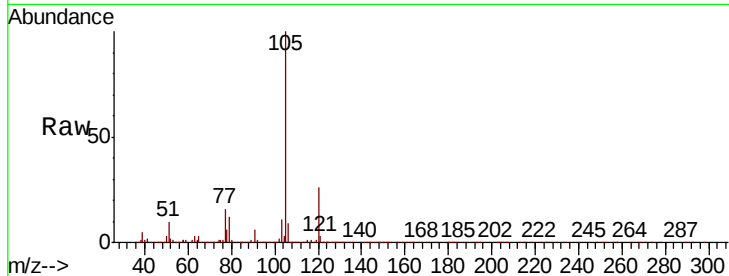
Tot Ion:105 Resp: 1429290

Ion Ratio Lower Upper

105 100

120 26.2 21.0 31.4

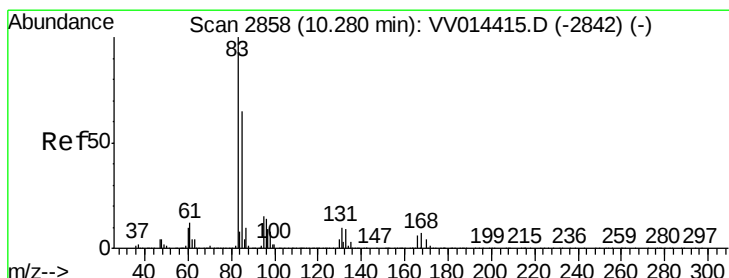
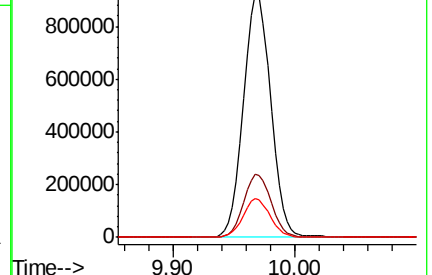
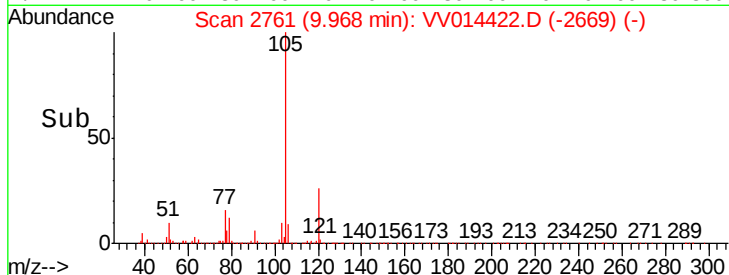
77 15.7 12.5 18.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.443 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV014422.D

Acq: 28 Jan 2020 17:17

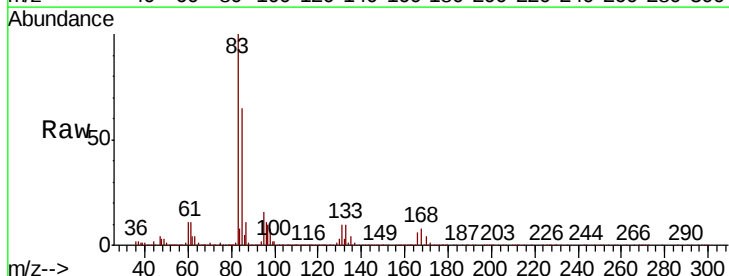
Tgt Ion: 83 Resp: 236529

Ion Ratio Lower Upper

83 100

85 65.0 45.9 85.3

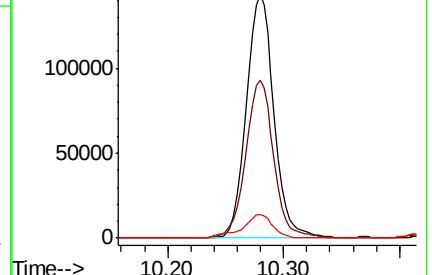
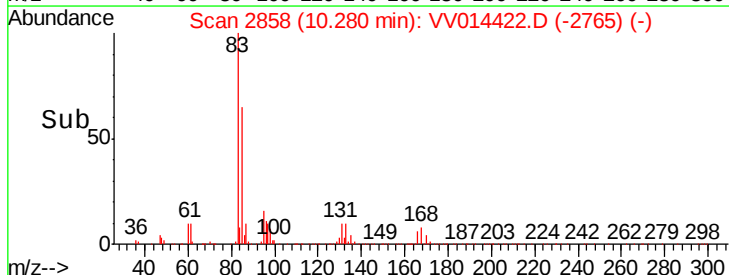
131 9.8 7.8 11.8

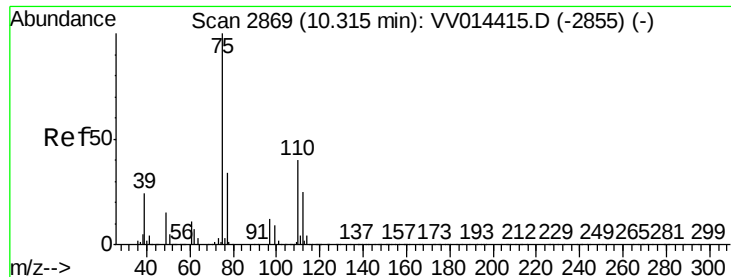


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.151 ug/L

RT: 10.31 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VV014422.D

Acq: 28 Jan 2020 17:17

Instrument :

MSVOA_V

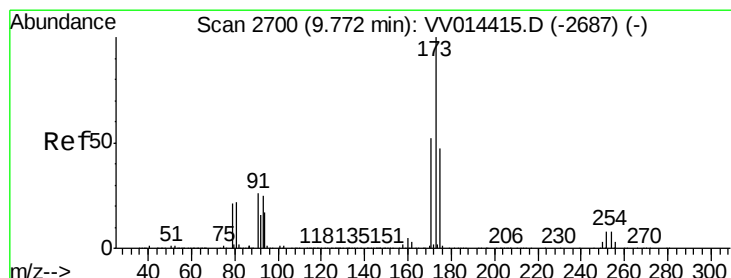
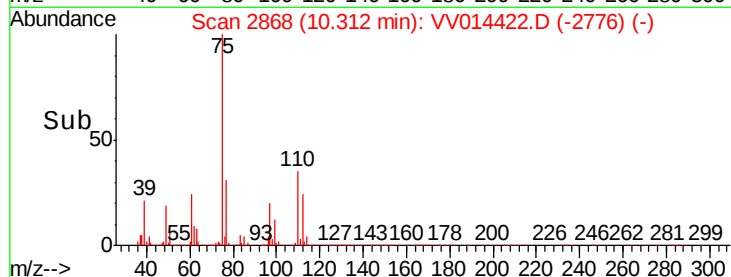
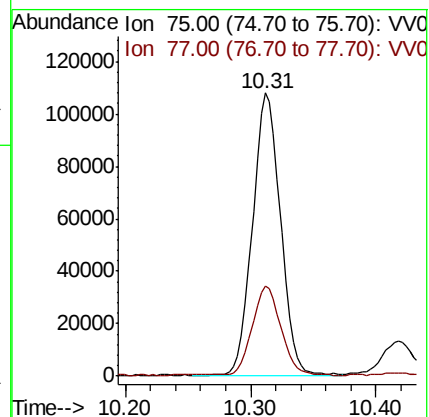
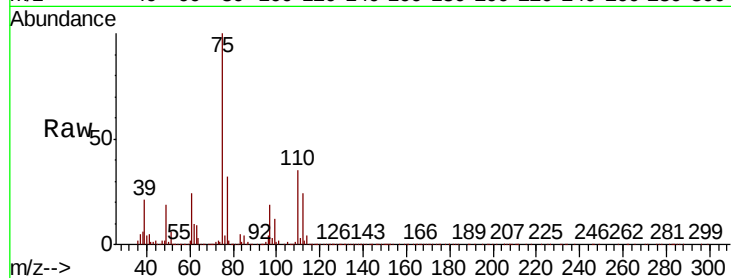
ClientSampled :

Tot Ion: 75 Resp: 167182

Ion Ratio Lower Upper

75 100

77 32.3 25.7 38.5



#61

Bromoform

Concen: 3.910 ug/L

RT: 9.77 min Scan# 2699

Delta R.T. -0.00 min

Lab File: VV014422.D

Acq: 28 Jan 2020 17:17

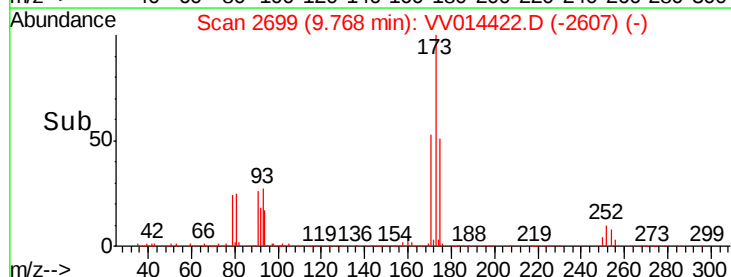
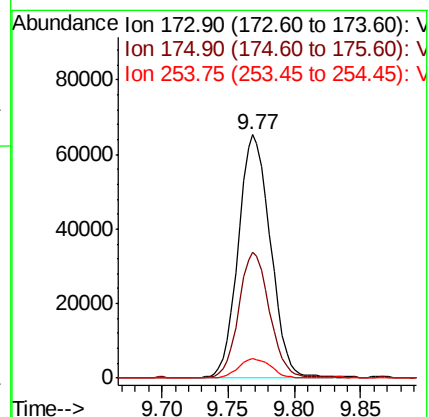
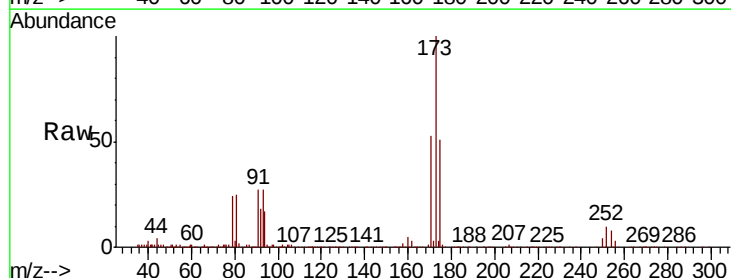
Tgt Ion: 173 Resp: 110194

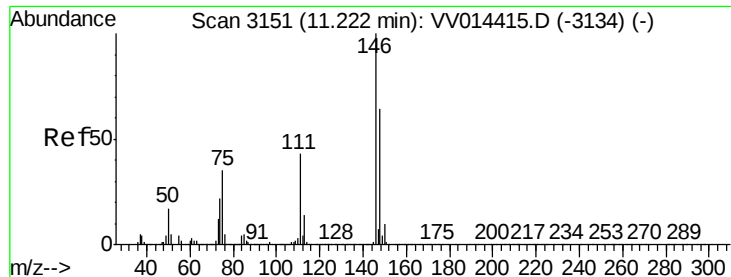
Ion Ratio Lower Upper

173 100

175 49.8 37.9 56.9

254 8.4 7.6 11.4

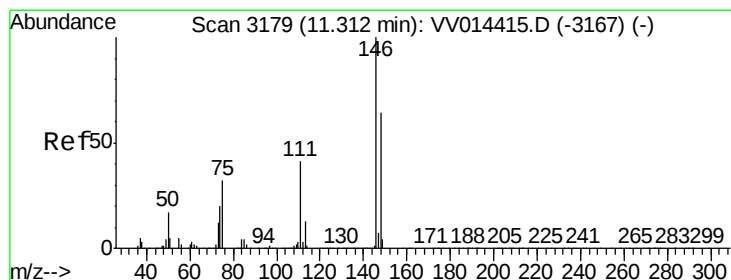
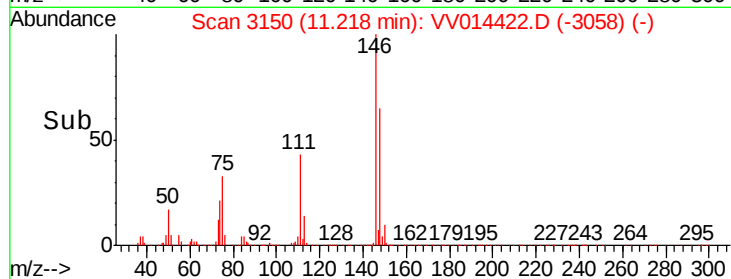
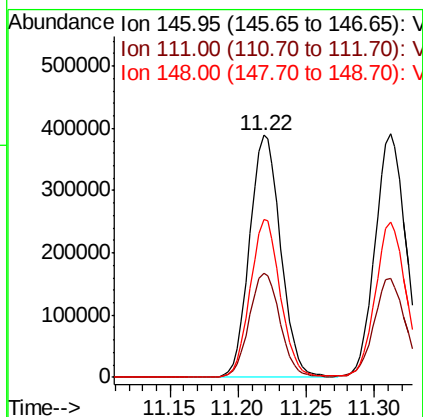
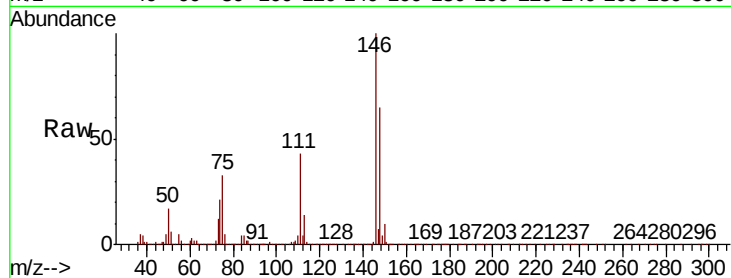




#62
 1,3-Dichlorobenzene
 Concen: 4.736 ug/L
 RT: 11.22 min Scan# 3150
 Delta R.T. -0.00 min
 Lab File: VV014422.D
 Acq: 28 Jan 2020 17:17

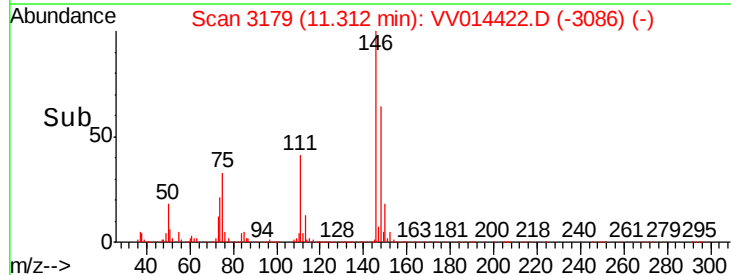
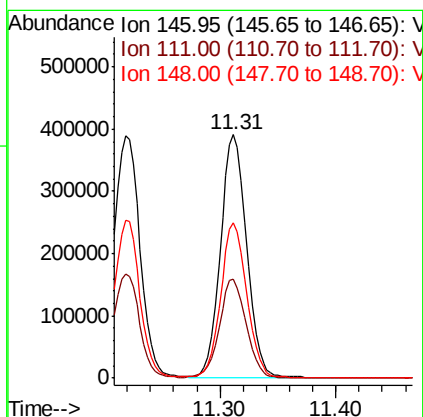
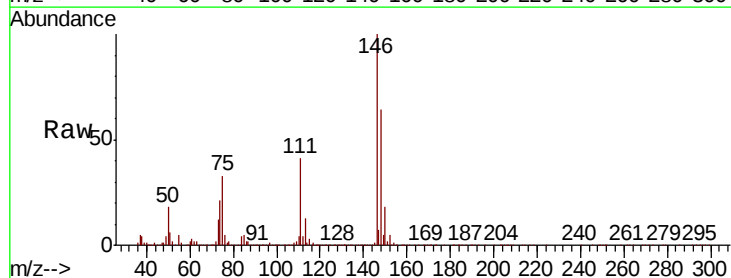
Instrument :
 MSVOA_V
 ClientSampleId :

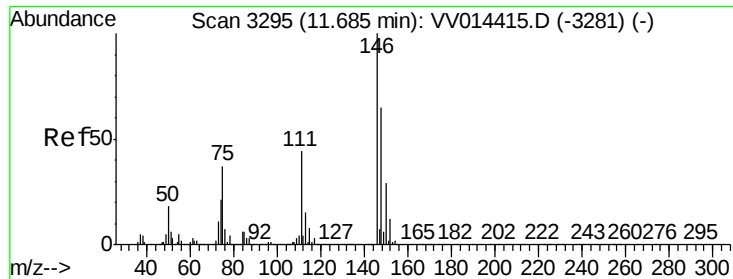
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	30.7	57.1
148	65.2	44.4	82.5



#63
 1,4-Dichlorobenzene
 Concen: 4.737 ug/L
 RT: 11.31 min Scan# 3179
 Delta R.T. 0.00 min
 Lab File: VV014422.D
 Acq: 28 Jan 2020 17:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	28.8	53.4
148	63.6	44.5	82.7

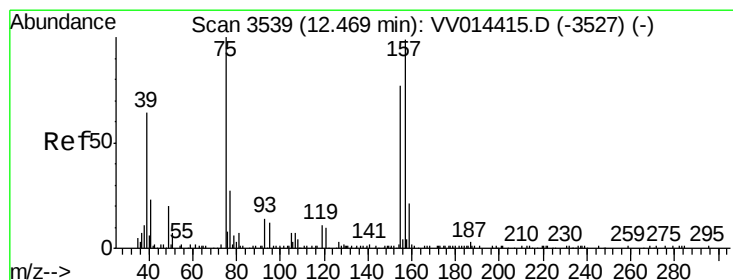
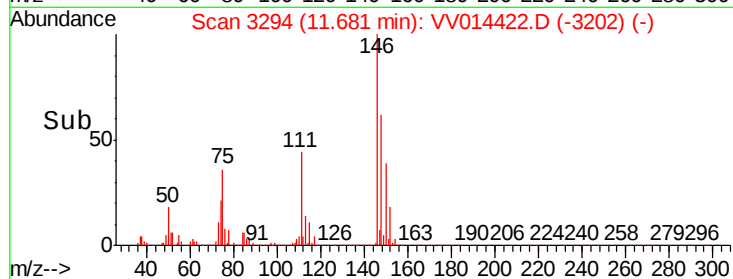
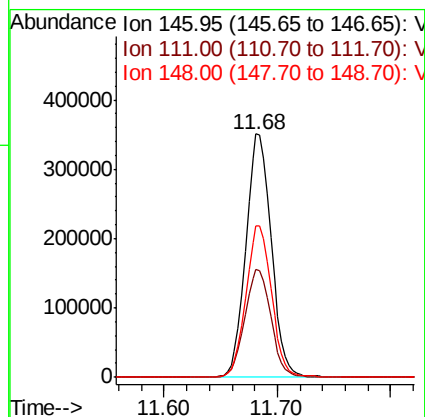
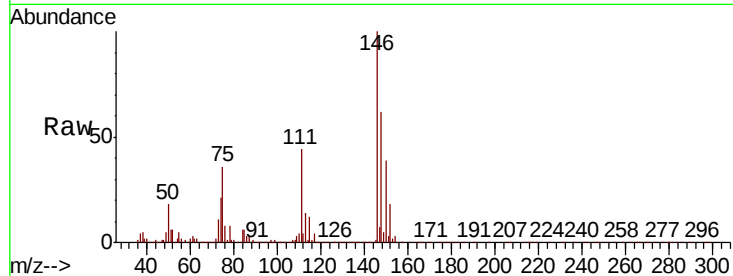




#65
 1,2-Dichlorobenzene
 Concen: 4.684 ug/L
 RT: 11.68 min Scan# 3294
 Delta R.T. -0.00 min
 Lab File: VV014422.D
 Acq: 28 Jan 2020 17:17

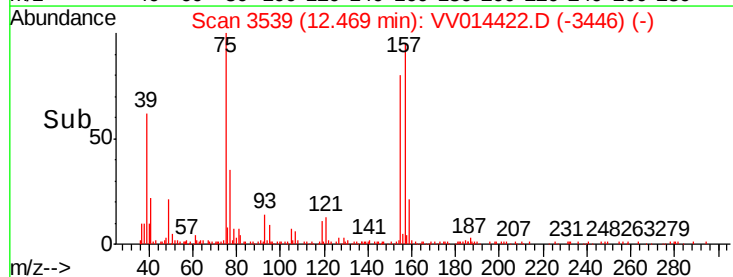
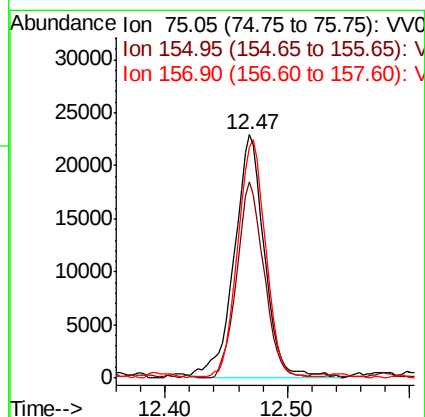
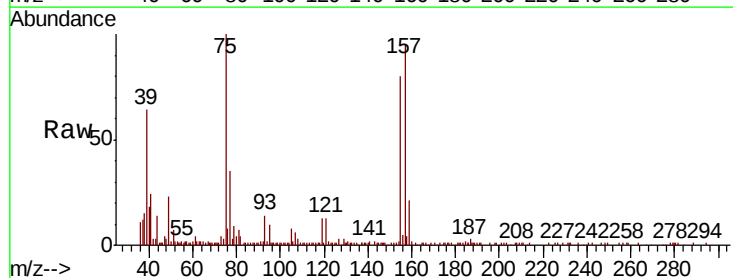
Instrument :
 MSVOA_V
 ClientSampleId :

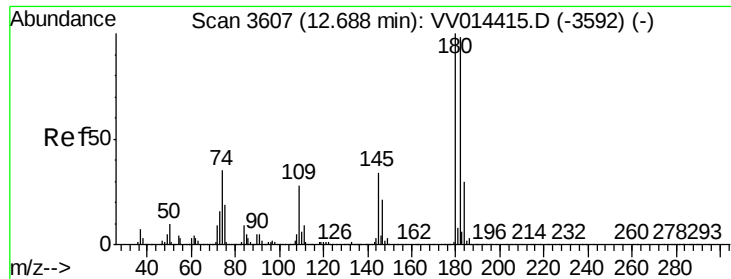
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.3	36.4	54.6
148	62.2	51.3	76.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 3.666 ug/L
 RT: 12.47 min Scan# 3539
 Delta R.T. 0.00 min
 Lab File: VV014422.D
 Acq: 28 Jan 2020 17:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.4	56.9	85.3
157	95.0	82.0	123.0

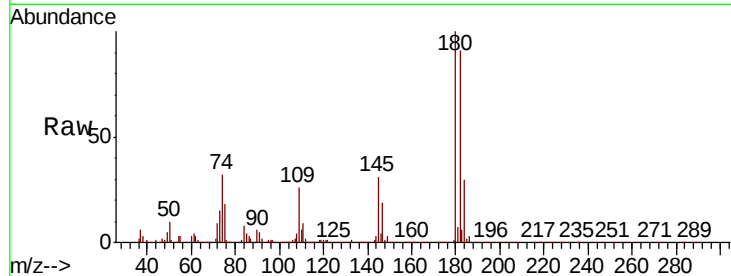




#67
 1,3,5-Trichlorobenzene
 Concen: 4.871 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV014422.D
 Acq: 28 Jan 2020 17:17

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.3	77.2	115.8
184	29.9	24.6	36.8
145	31.5	26.9	40.3



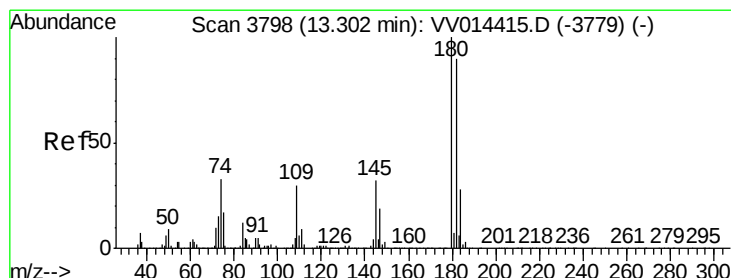
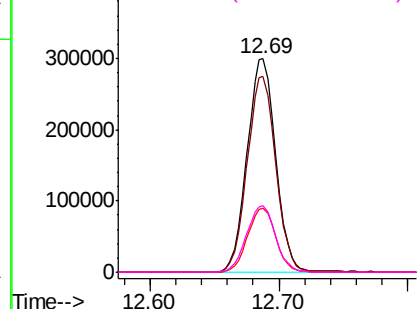
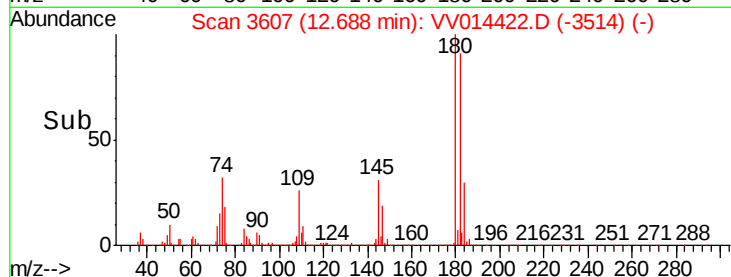
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

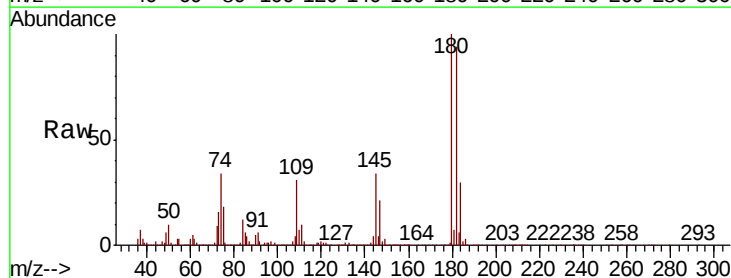
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.513 ug/L
 RT: 13.30 min Scan# 3798
 Delta R.T. 0.00 min
 Lab File: VV014422.D
 Acq: 28 Jan 2020 17:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	75.2	112.8
145	33.5	26.2	39.4

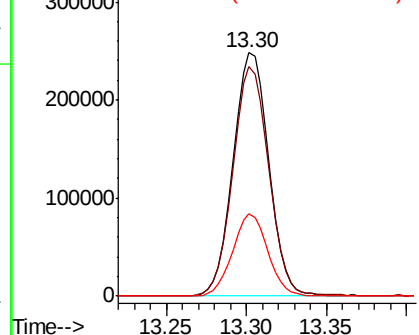
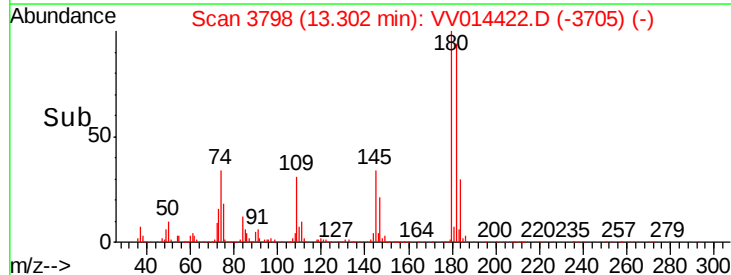


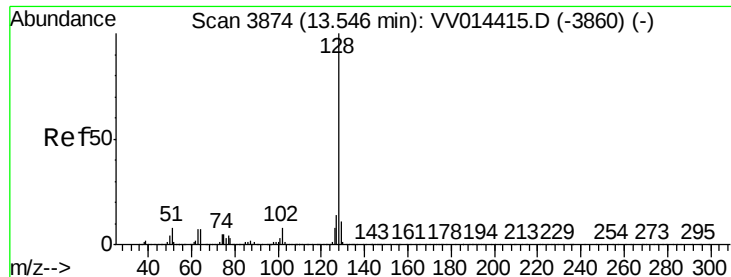
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.101 ug/L

RT: 13.54 min Scan# 3873

Delta R.T. -0.00 min

Lab File: VV014422.D

Acq: 28 Jan 2020 17:17

Instrument :

MSVOA_V

ClientSampleId :

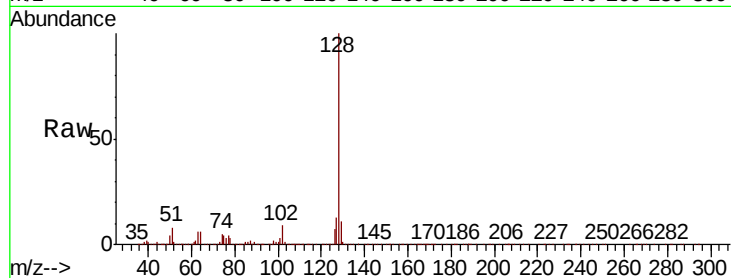
Tot Ion:128 Resp: 690855

Ion Ratio Lower Upper

128 100

129 11.2 8.6 13.0

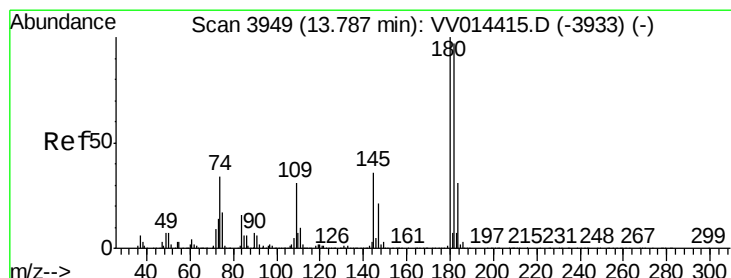
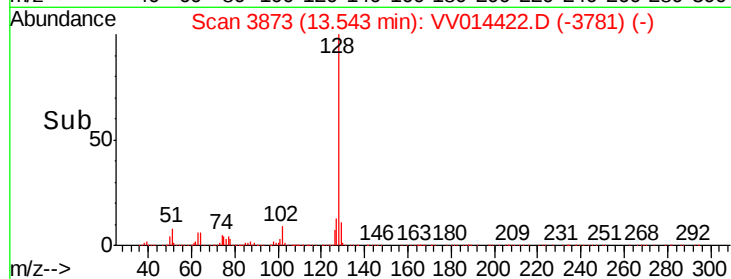
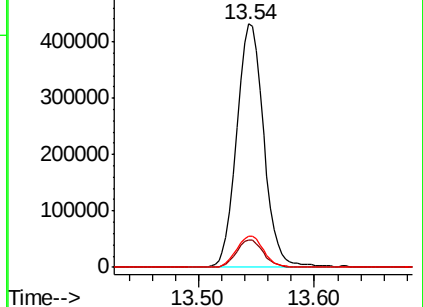
127 12.8 10.2 15.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.439 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV014422.D

Acq: 28 Jan 2020 17:17

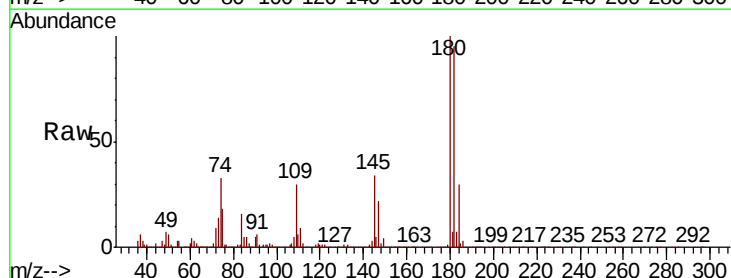
Tgt Ion:180 Resp: 323880

Ion Ratio Lower Upper

180 100

182 96.1 74.8 112.2

145 34.7 29.0 43.6



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

