

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV011620\
 Data File : VV014323.D
 Acq On : 16 Jan 2020 16:38
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jan 17 05:34:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR010220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jan 17 05:31:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	816684	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	746159	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	355023	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	231085	4.05	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.00%
7) Chloroethane-d5	1.59	69	192459	4.36	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.20%
11) 1,1-Dichloroethene-d2	2.14	63	391194	4.64	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.80%
20) 2-Butanone-d5	3.95	46	572090	41.68	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	83.36%
24) Chloroform-d	4.40	84	522113	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.60%
26) 1,2-Dichloroethane-d4	5.08	65	247952	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.60%
32) Benzene-d6	5.10	84	1073667	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.40%
36) 1,2-Dichloropropane-d6	6.12	67	332808	4.82	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.40%
41) Toluene-d8	7.36	98	952617	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.60%
43) trans-1,3-Dichloropropene-	7.66	79	135044	4.42	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.40%
46) 2-Hexanone-d5	8.13	63	573901	44.39	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.78%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	235718	4.88	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	309564	4.64	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	289734	4.705	ug/L	98
3) Chloromethane	1.26	50	312240	5.102	ug/L	97
5) Vinyl chloride	1.32	62	301348	5.272	ug/L	100
6) Bromomethane	1.54	94	168321	5.190	ug/L	98
8) Chloroethane	1.60	64	162851	5.071	ug/L	97
9) Trichlorofluoromethane	1.77	101	379299	5.621	ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	204138	5.585	ug/L	97
12) 1,1-Dichloroethene	2.14	96	195966	5.371	ug/L	92
13) Acetone	2.21	43	301203	31.863	ug/L	98
14) Carbon disulfide	2.32	76	804703	4.970	ug/L	99
15) Methyl Acetate	2.47	43	102575	4.661	ug/L	99
16) Methylene chloride	2.54	84	315601	5.313	ug/L	91
17) Methyl tert-butyl Ether	2.81	73	663274	4.912	ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	284281	5.183	ug/L	93
19) 1,1-Dichloroethane	3.23	63	562290	5.231	ug/L	98
21) 2-Butanone	4.03	43	627860	44.279	ug/L	95
22) cis-1,2-Dichloroethene	3.96	96	319046	5.307	ug/L #	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV011620\
 Data File : VV014323.D
 Acq On : 16 Jan 2020 16:38
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jan 17 05:34:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR010220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jan 17 05:31:19 2020
 Response via : Initial Calibration

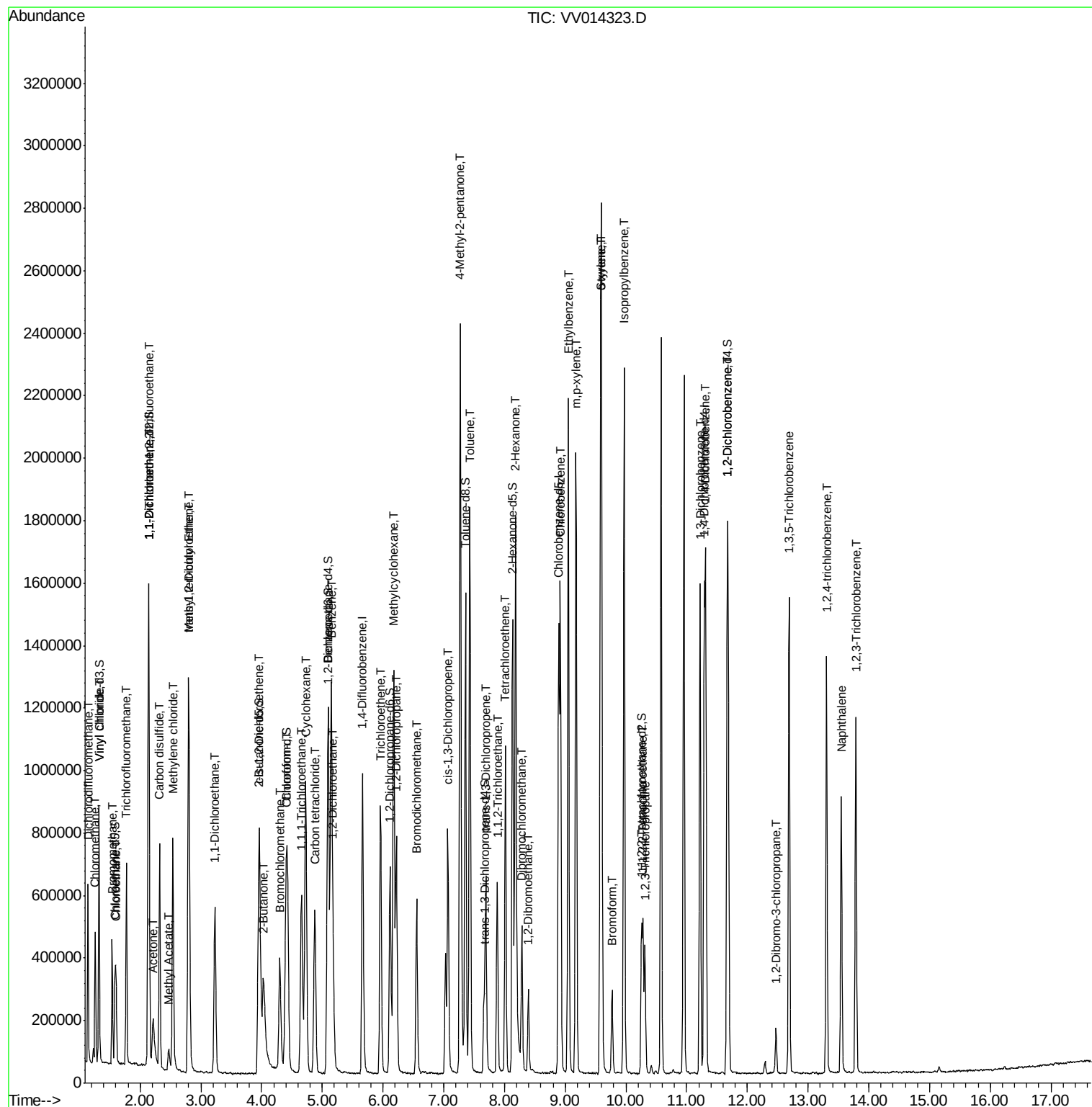
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	117510	5.141	ug/L	90
25) Chloroform	4.43	83	546615	5.311	ug/L	99
27) 1,2-Dichloroethane	5.18	62	314475	5.108	ug/L	95
29) 1,1,1-Trichloroethane	4.66	97	468803	5.278	ug/L	98
30) Cyclohexane	4.73	56	545649	5.564	ug/L	97
31) Carbon tetrachloride	4.87	117	400113	5.260	ug/L	99
33) Benzene	5.15	78	1233150	5.366	ug/L	100
34) Trichloroethene	5.96	95	312018	5.284	ug/L	97
35) Methylcyclohexane	6.17	83	547008	5.665	ug/L	96
37) 1,2-Dichloropropane	6.22	63	307008	5.293	ug/L	98
38) Bromodichloromethane	6.55	83	385102	5.149	ug/L	96
39) cis-1,3-Dichloropropene	7.07	75	484487	5.159	ug/L	100
40) 4-Methyl-2-pentanone	7.27	43	1754402	47.983	ug/L	99
42) Toluene	7.43	91	1302056	5.368	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	365164	5.064	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	194096	5.238	ug/L	98
47) Tetrachloroethene	8.02	164	218350	5.412	ug/L	98
48) 2-Hexanone	8.18	43	1311875	51.874	ug/L	98
49) Dibromochloromethane	8.29	129	232645	4.966	ug/L	100
50) 1,2-Dibromoethane	8.39	107	184220	5.134	ug/L	94
51) Chlorobenzene	8.92	112	787894	5.282	ug/L	98
52) Ethylbenzene	9.05	91	1491878	5.498	ug/L	99
53) m,p-xylene	9.18	106	554687	5.541	ug/L	99
54) o-xylene	9.58	106	538559	5.471	ug/L	96
55) Styrene	9.60	104	898225	5.386	ug/L	97
56) Isopropylbenzene	9.97	105	1440915	5.612	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	241067	5.276	ug/L	98
59) 1,2,3-Trichloropropane	10.31	75	177142	5.126	ug/L	98
61) Bromoform	9.77	173	116232	4.830	ug/L	98
62) 1,3-Dichlorobenzene	11.22	146	595779	5.368	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	591031	5.355	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	531944	5.307	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	40116	4.354	ug/L	92
67) 1,3,5-Trichlorobenzene	12.69	180	429562	5.322	ug/L	98
68) 1,2,4-trichlorobenzene	13.30	180	370611	5.235	ug/L	98
69) Naphthalene	13.55	128	692991	4.818	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	323207	5.188	ug/L	99

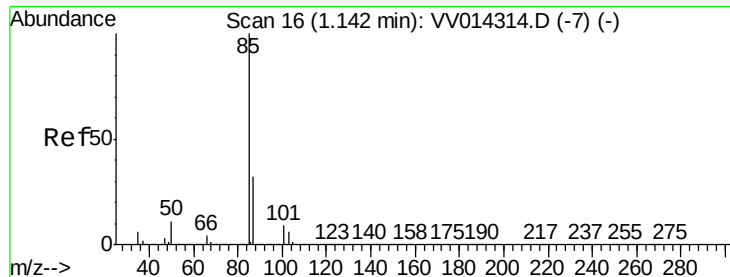
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV011620\
Data File : VV014323.D
Acq On : 16 Jan 2020 16:38
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampled :

Quant Time: Jan 17 05:34:33 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR010220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jan 17 05:31:19 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 4.705 ug/L

RT: 1.14 min Scan# 16

Delta R.T. -0.00 min

Lab File: VV014323.D

Acq: 16 Jan 2020 16:38

Instrument :

MSVOA_V

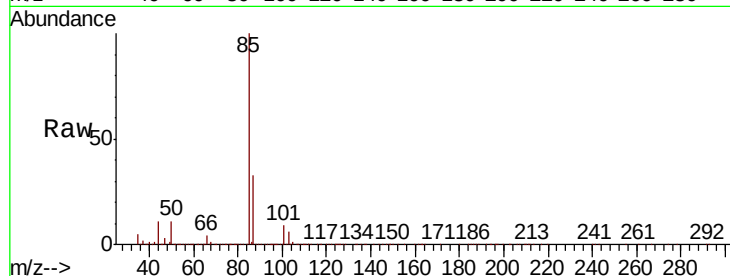
ClientSampleId :

Tot Ion: 85 Resp: 289734

Ion Ratio Lower Upper

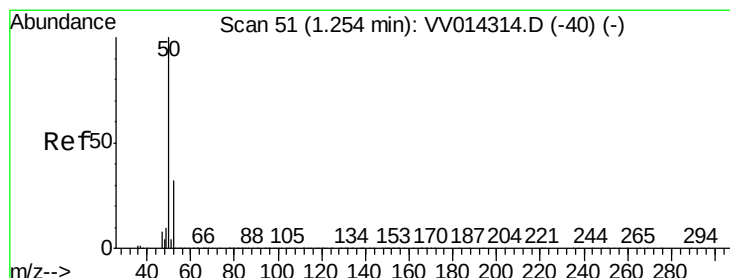
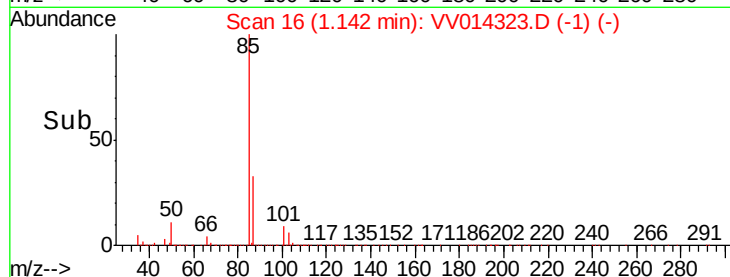
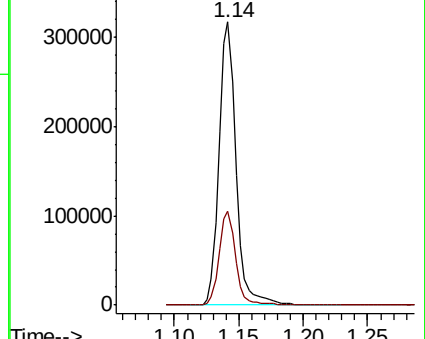
85 100

87 32.3 25.1 37.7



Abundance Ion 85.00 (84.70 to 85.70): VV014323.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV014323.D (-1) (-)



#3

Chloromethane

Concen: 5.102 ug/L

RT: 1.26 min Scan# 52

Delta R.T. 0.00 min

Lab File: VV014323.D

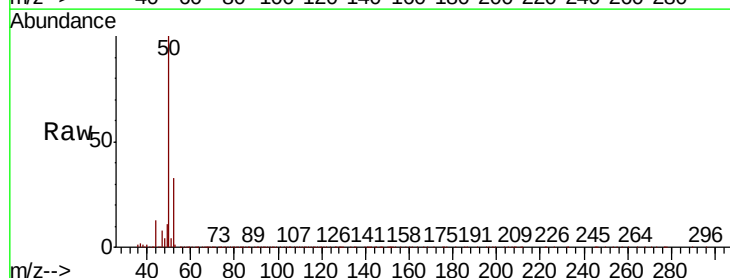
Acq: 16 Jan 2020 16:38

Tgt Ion: 50 Resp: 312240

Ion Ratio Lower Upper

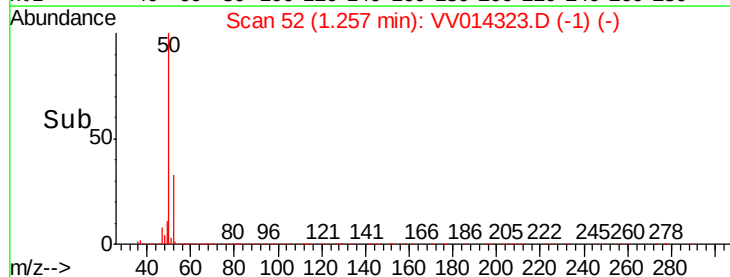
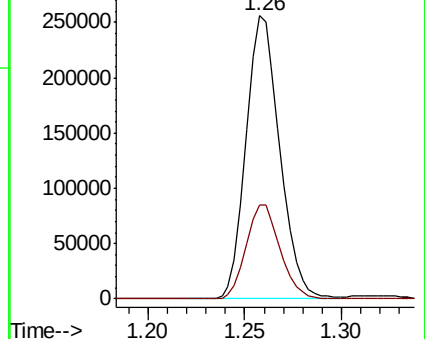
50 100

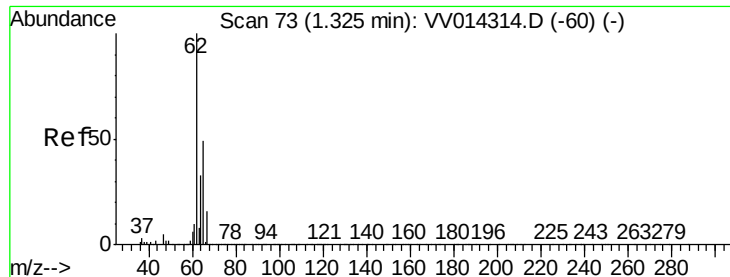
52 33.3 22.3 41.3



Abundance Ion 50.05 (49.75 to 50.75): VV014323.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VV014323.D (-1) (-)





#5

Vinyl chloride

Concen: 5.272 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV014323.D

Acq: 16 Jan 2020 16:38

Instrument :

MSVOA_V

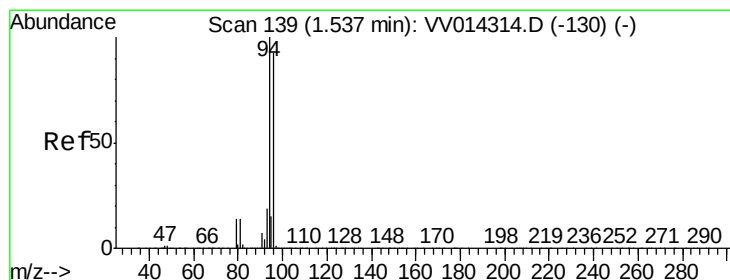
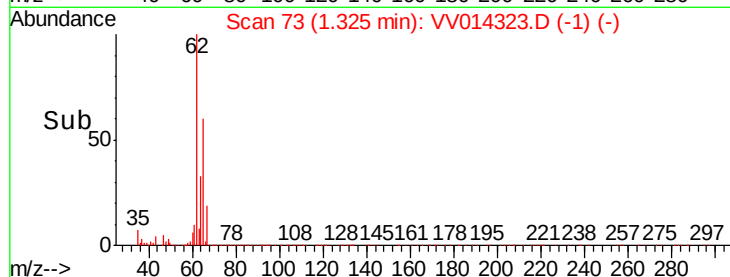
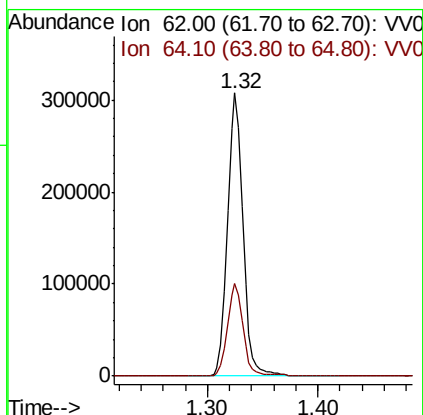
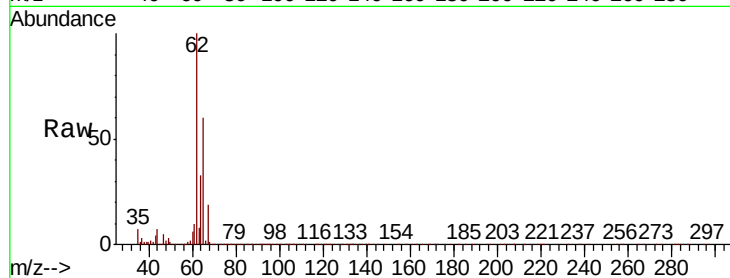
ClientSampleId :

Tot Ion: 62 Resp: 301348

Ion Ratio Lower Upper

62 100

64 32.9 23.0 42.6



#6

Bromomethane

Concen: 5.190 ug/L

RT: 1.54 min Scan# 140

Delta R.T. 0.00 min

Lab File: VV014323.D

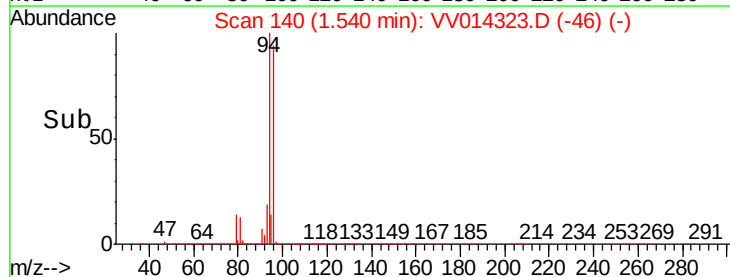
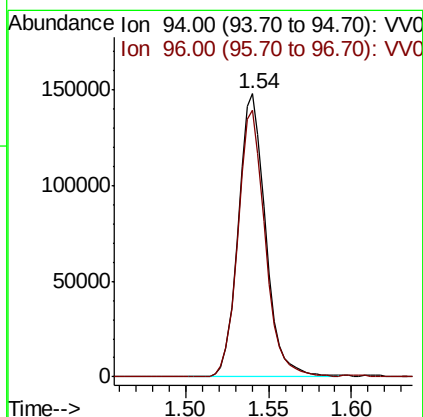
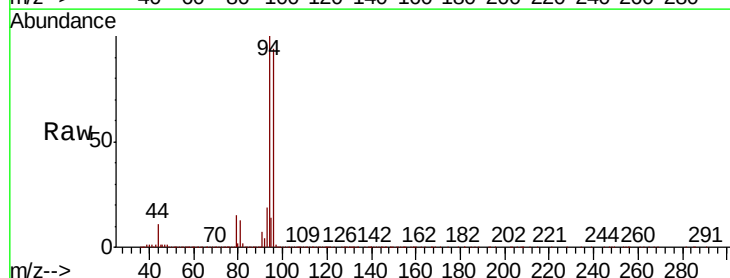
Acq: 16 Jan 2020 16:38

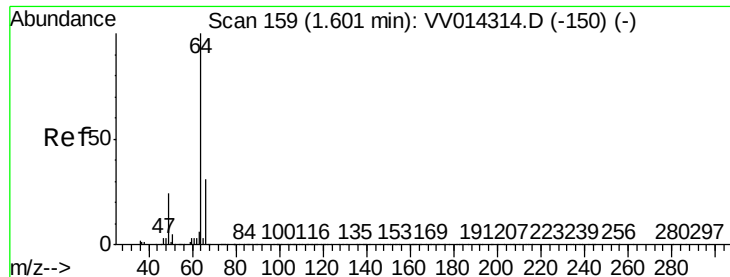
Tgt Ion: 94 Resp: 168321

Ion Ratio Lower Upper

94 100

96 94.1 66.9 124.3





#8

Chloroethane

Concen: 5.071 ug/L

RT: 1.60 min Scan# 160

Delta R.T. 0.00 min

Lab File: VV014323.D

Acq: 16 Jan 2020 16:38

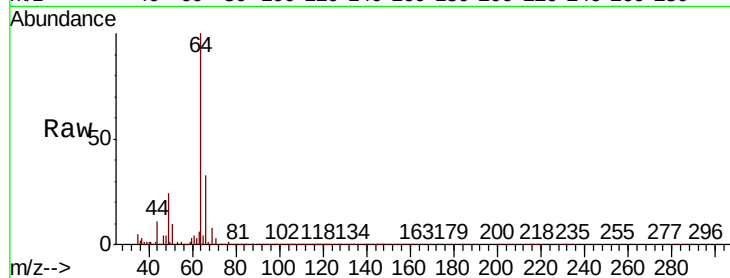
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 162851

Ion Ratio Lower Upper

64 100

66 32.7 21.8 40.6



Abundance Ion 64.10 (63.80 to 64.80): VV014323.D (-66) (-)

Ion 66.05 (65.75 to 66.75): VV014323.D (-66) (-)

1.60

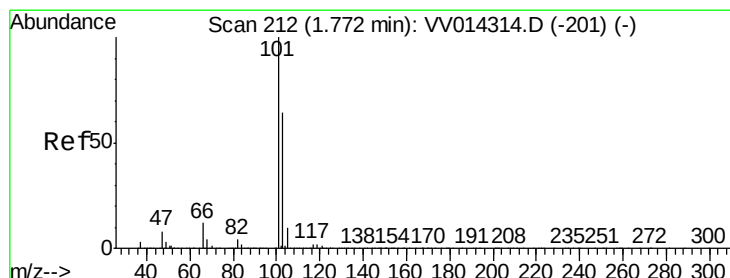
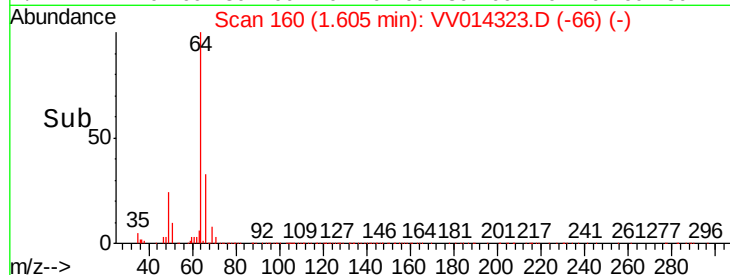
150000

100000

50000

0

Time-->



#9

Trichlorofluoromethane

Concen: 5.621 ug/L

RT: 1.77 min Scan# 212

Delta R.T. -0.00 min

Lab File: VV014323.D

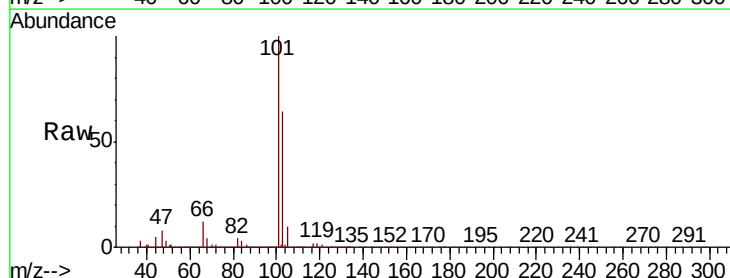
Acq: 16 Jan 2020 16:38

Tgt Ion: 101 Resp: 379299

Ion Ratio Lower Upper

101 100

103 62.9 52.6 78.8



Abundance Ion 101.00 (100.70 to 101.70): VV014323.D (-119) (-)

Ion 103.00 (102.70 to 103.70): VV014323.D (-119) (-)

1.77

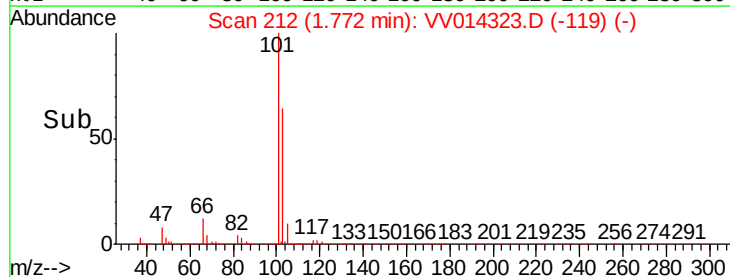
300000

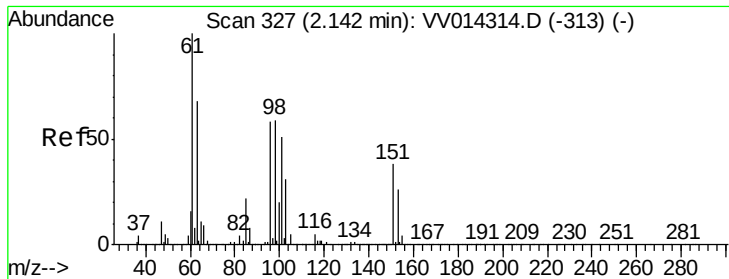
200000

100000

0

Time-->





#10

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

Concen: 5.585 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV014323.D

Acq: 16 Jan 2020 16:38

Instrument :

MSVOA_V

ClientSampleId :

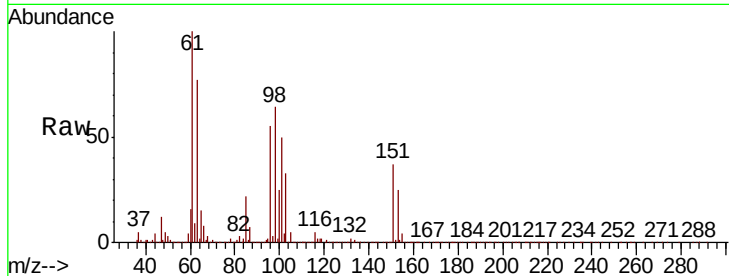
Tot Ion:101 Resp: 204138

Ion Ratio Lower Upper

101 100

85 43.8 34.9 52.3

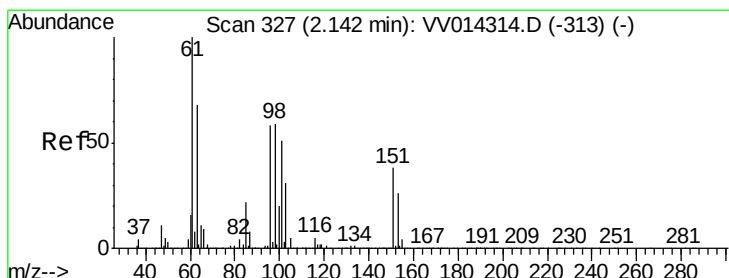
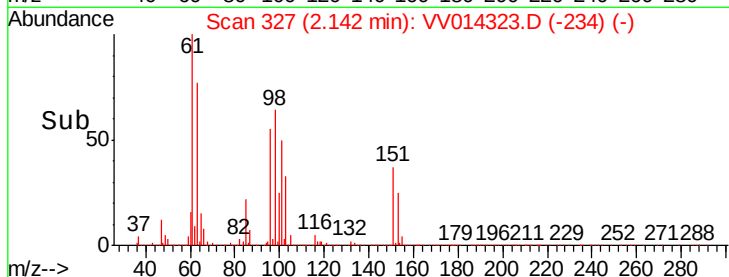
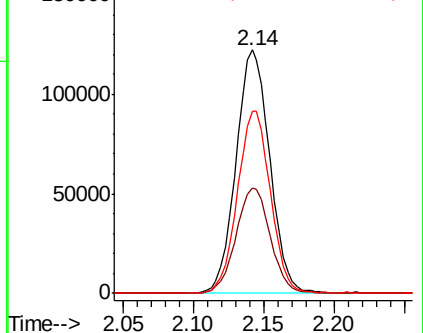
151 73.7 62.5 93.7



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: 5.371 ug/L

RT: 2.14 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV014323.D

Acq: 16 Jan 2020 16:38

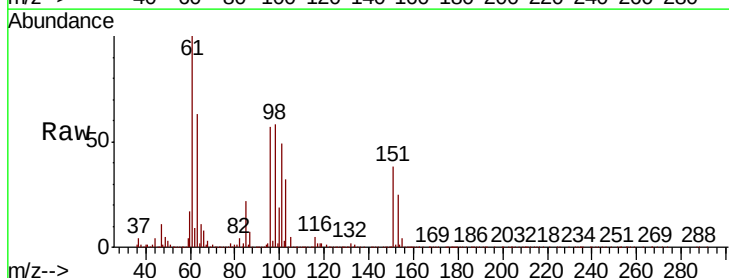
Tgt Ion: 96 Resp: 195966

Ion Ratio Lower Upper

96 100

61 175.6 121.5 225.7

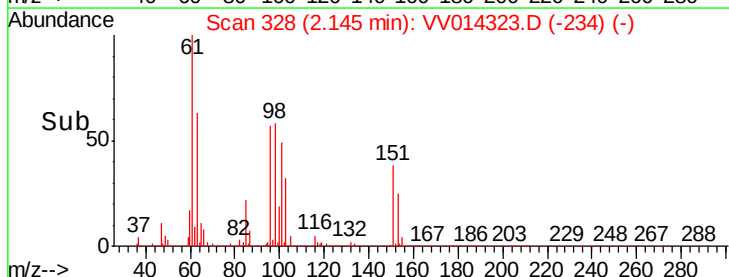
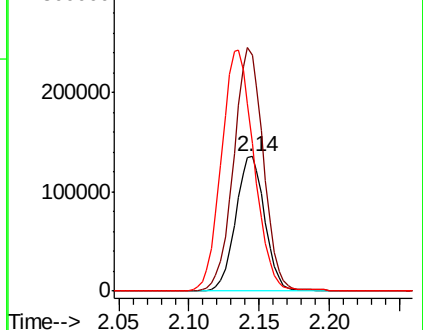
63 110.2 90.3 167.7

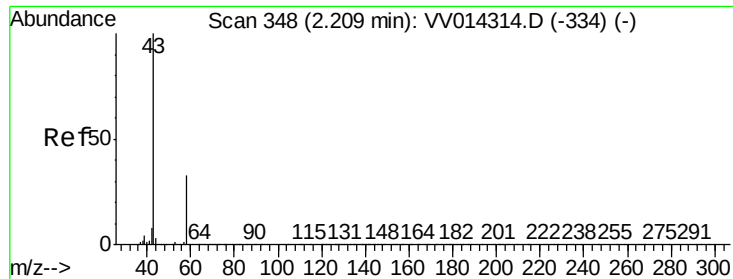


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 31.863 ug/L

RT: 2.21 min Scan# 349

Delta R.T. 0.00 min

Lab File: VV014323.D

Acq: 16 Jan 2020 16:38

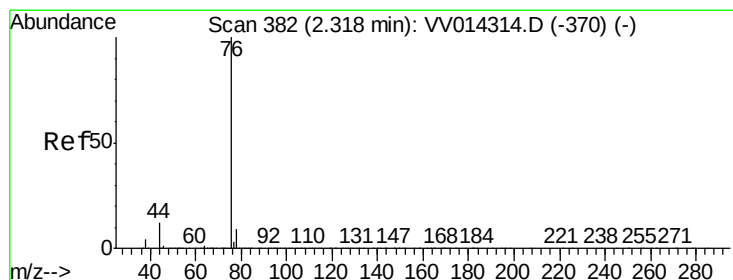
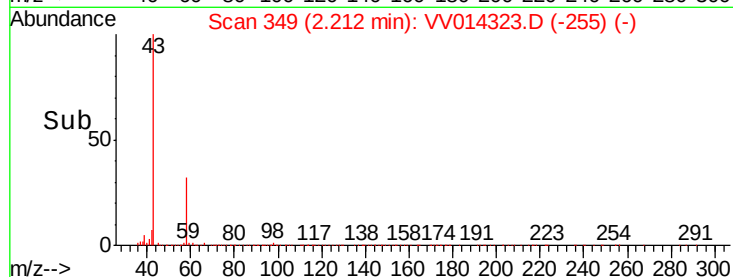
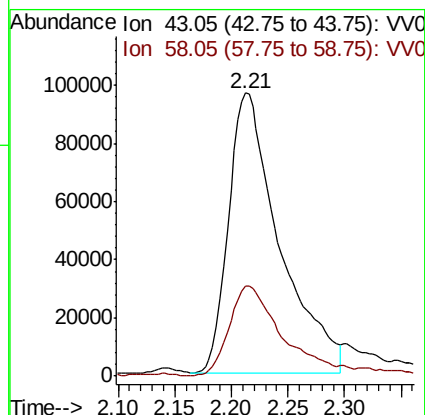
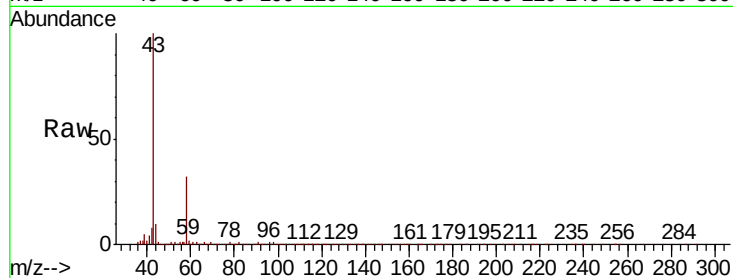
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 301203

Ion Ratio Lower Upper

43 100

58 34.2 0.0 66.0



#14

Carbon disulfide

Concen: 4.970 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VV014323.D

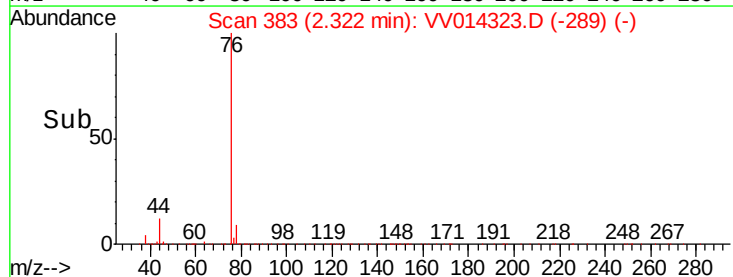
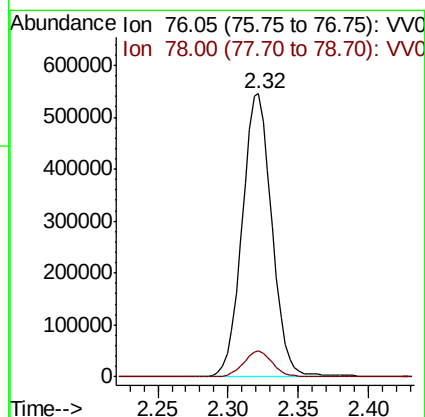
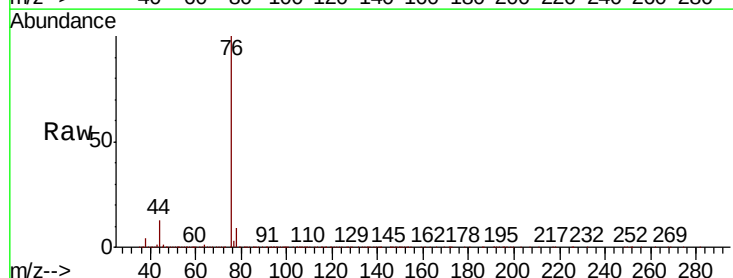
Acq: 16 Jan 2020 16:38

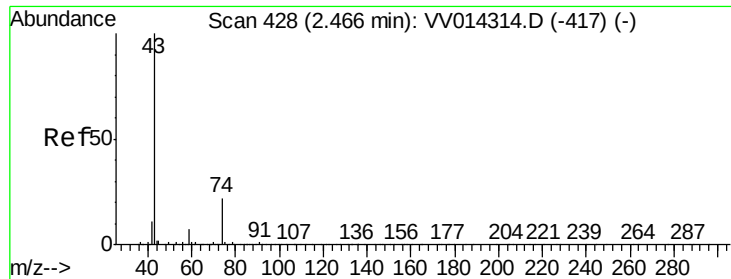
Tgt Ion: 76 Resp: 804703

Ion Ratio Lower Upper

76 100

78 9.1 7.5 11.3

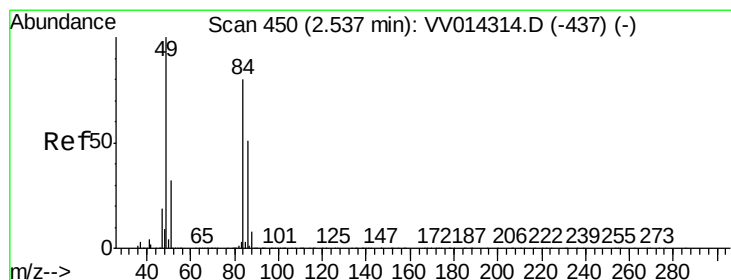
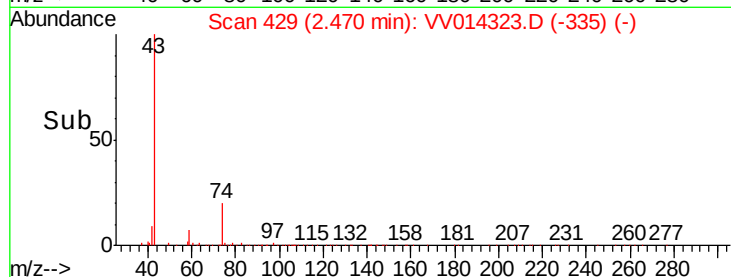
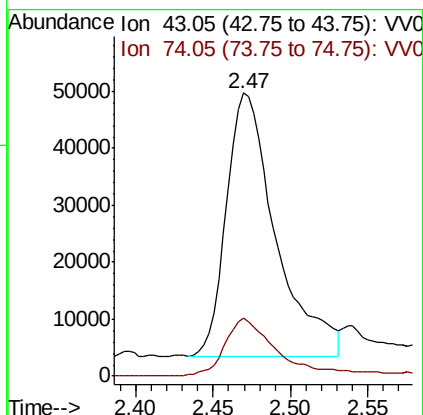
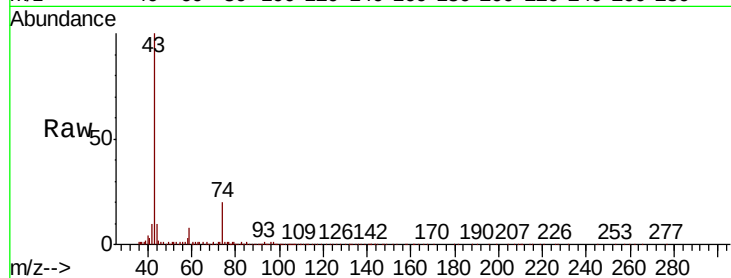




#15
Methvl Acetate
Concen: 4.661 ug/L
RT: 2.47 min Scan# 429
Delta R.T. 0.00 min
Lab File: VV014323.D
Acq: 16 Jan 2020 16:38

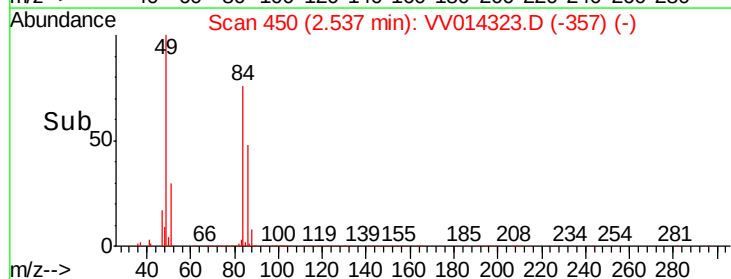
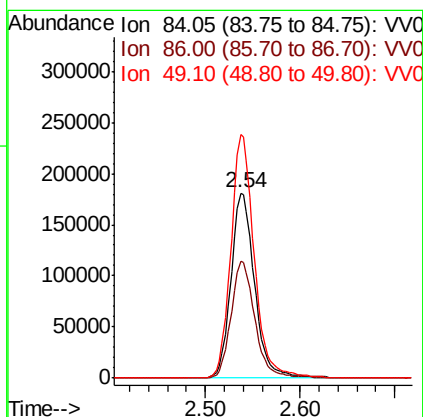
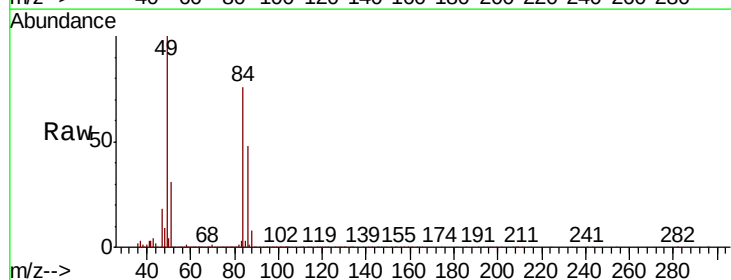
Instrument :
MSVOA_V
ClientSampled :

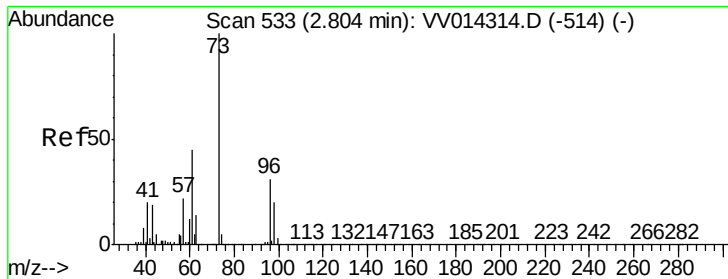
Tot Ion: 43 Resp: 102575
Ion Ratio Lower Upper
43 100
74 22.6 18.6 28.0



#16
Methylene chloride
Concen: 5.313 ug/L
RT: 2.54 min Scan# 450
Delta R.T. -0.00 min
Lab File: VV014323.D
Acq: 16 Jan 2020 16:38

Tgt Ion: 84 Resp: 315601
Ion Ratio Lower Upper
84 100
86 62.9 43.1 80.1
49 131.4 82.1 152.5

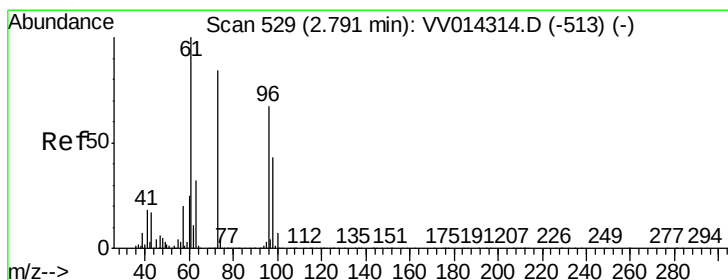
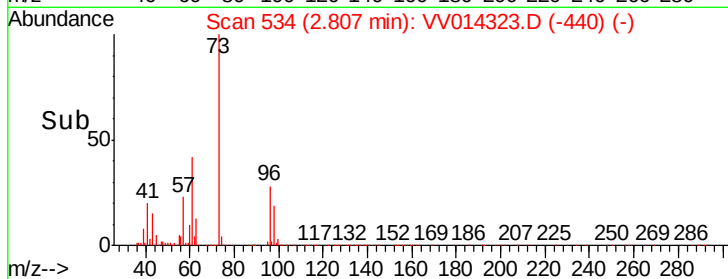
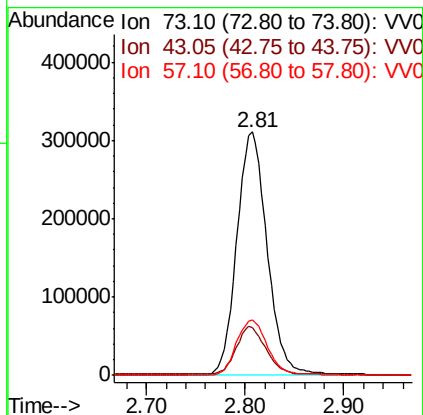
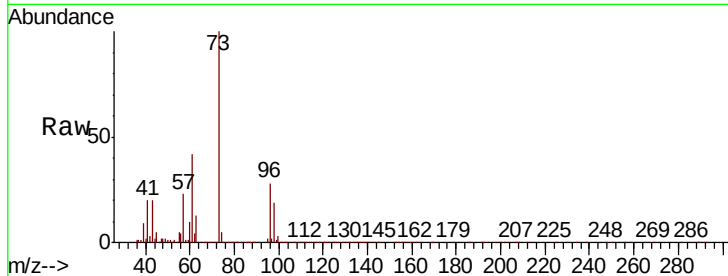




#17
Methvl tert-butvl Ether
Concen: 4.912 ug/L
RT: 2.81 min Scan# 534
Delta R.T. 0.00 min
Lab File: VV014323.D
Acq: 16 Jan 2020 16:38

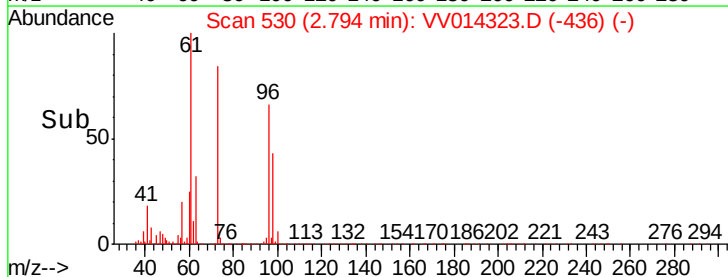
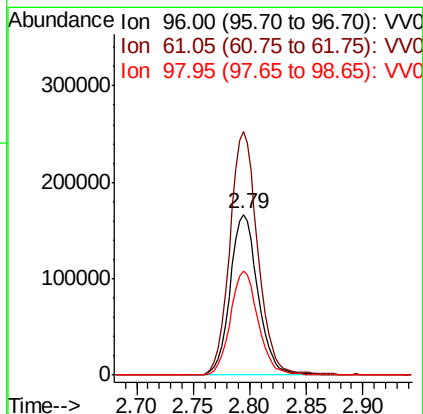
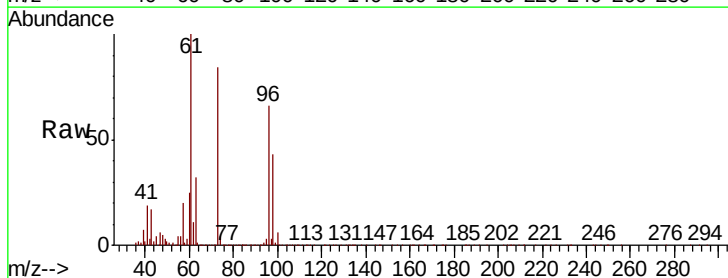
Instrument :
MSVOA_V
ClientSampleId :

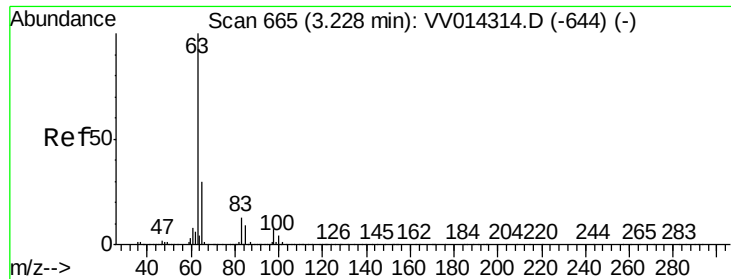
Tot Ion: 73 Resp: 663274
Ion Ratio Lower Upper
73 100
43 19.5 14.7 22.1
57 23.2 17.9 26.9



#18
trans-1,2-Dichloroethene
Concen: 5.183 ug/L
RT: 2.79 min Scan# 530
Delta R.T. 0.00 min
Lab File: VV014323.D
Acq: 16 Jan 2020 16:38

Tgt Ion: 96 Resp: 284281
Ion Ratio Lower Upper
96 100
61 151.2 99.2 184.2
98 64.7 43.1 80.1

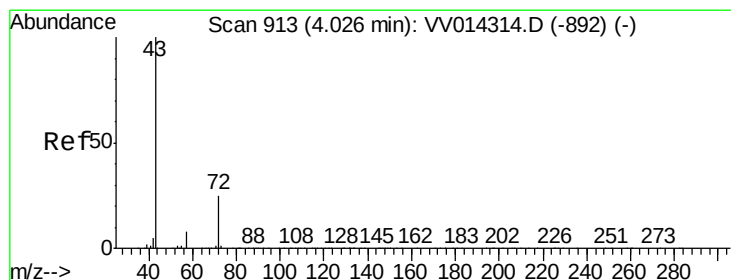
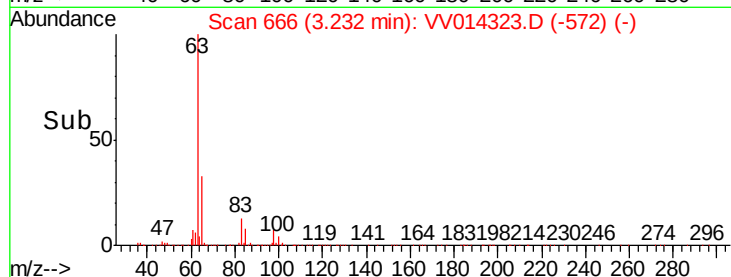
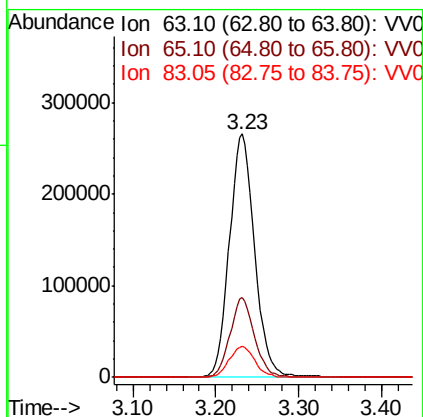
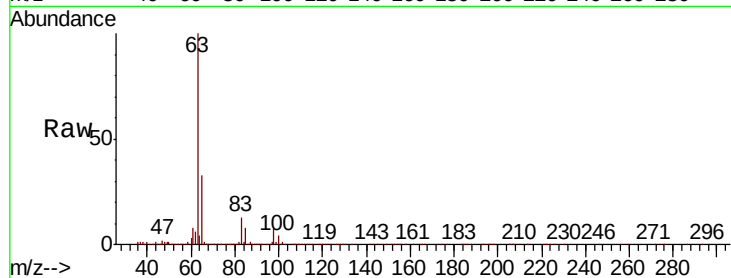




#19
 1,1-Dichloroethane
 Concen: 5.231 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VV014323.D
 Acq: 16 Jan 2020 16:38

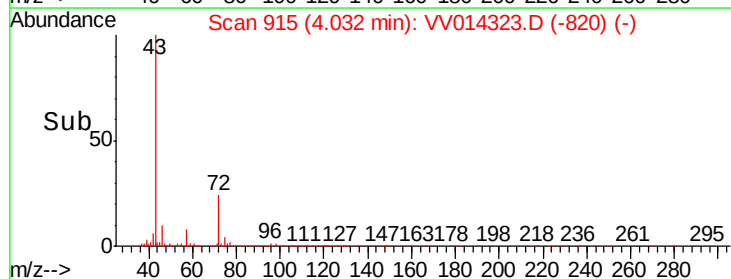
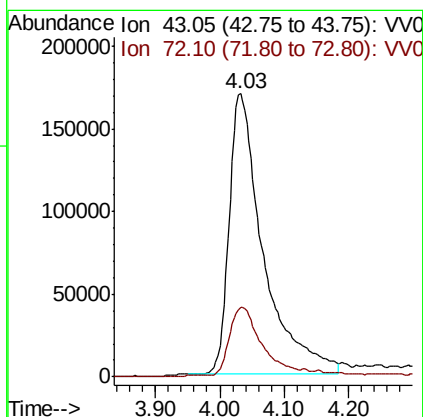
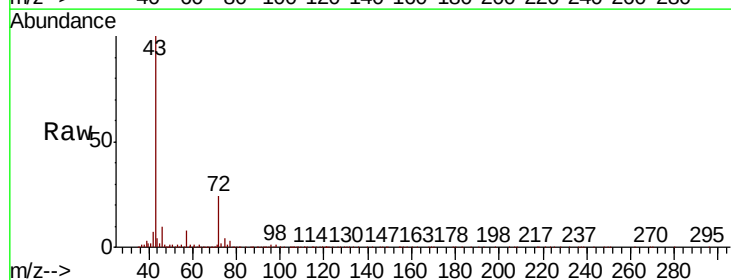
Instrument :
 MSVOA_V
 ClientSampleId :

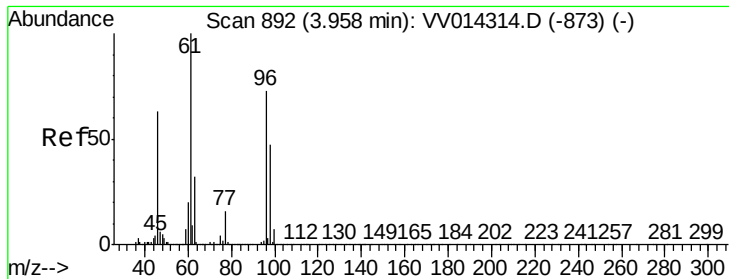
Tot Ion	Ratio	Lower	Upper
63	100		
65	32.8	22.7	42.3
83	12.7	10.0	18.6



#21
 2-Butanone
 Concen: 44.279 ug/L
 RT: 4.03 min Scan# 915
 Delta R.T. 0.01 min
 Lab File: VV014323.D
 Acq: 16 Jan 2020 16:38

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.2	12.4	37.2



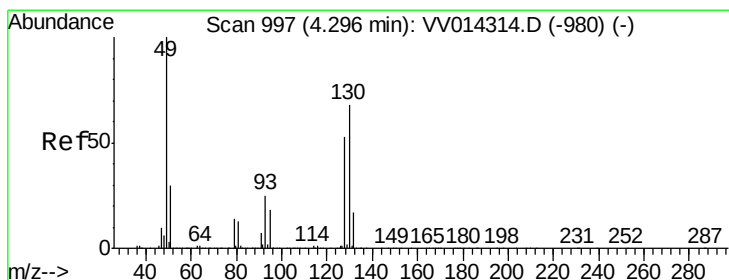
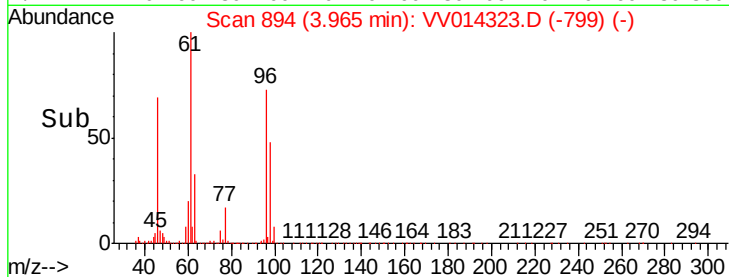
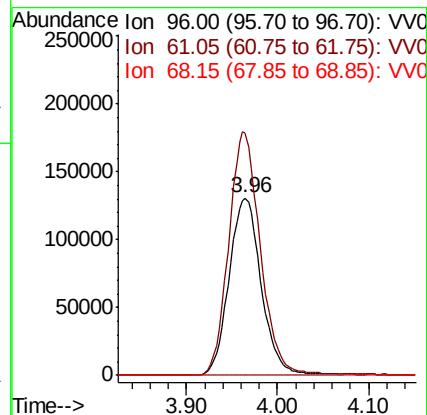
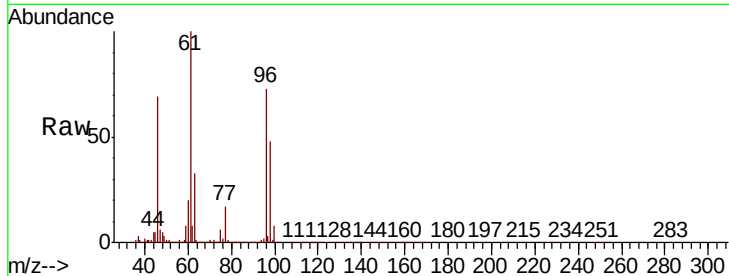


#22

cis-1,2-Dichloroethene
Concen: 5.307 ug/L
RT: 3.96 min Scan# 894
Delta R.T. 0.01 min
Lab File: VV014323.D
Acq: 16 Jan 2020 16:38

Instrument :
MSVOA_V
ClientSampleId :

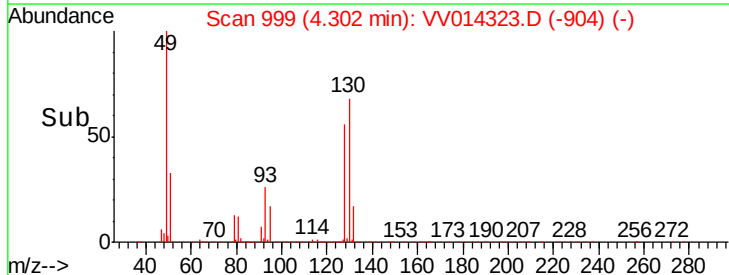
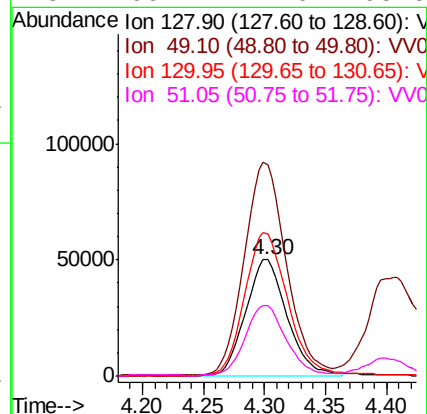
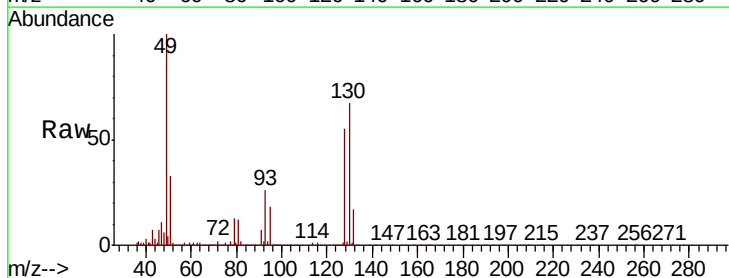
Tot Ion	Ratio	Lower	Upper
96	100		
61	136.5	90.6	168.3
68	0.2	0.3	0.7#

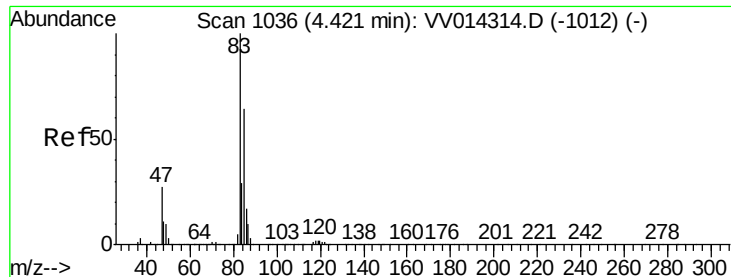


#23

Bromochloromethane
Concen: 5.141 ug/L
RT: 4.30 min Scan# 999
Delta R.T. 0.01 min
Lab File: VV014323.D
Acq: 16 Jan 2020 16:38

Tgt Ion	Ratio	Lower	Upper
128	100		
49	181.4	117.5	218.1
130	122.0	93.7	173.9
51	60.7	42.0	63.0

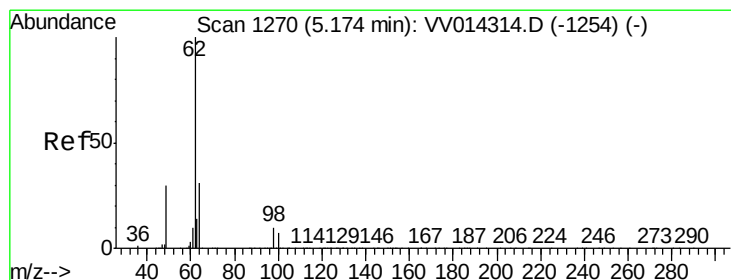
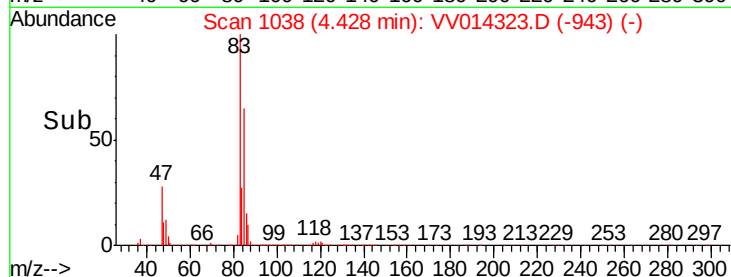
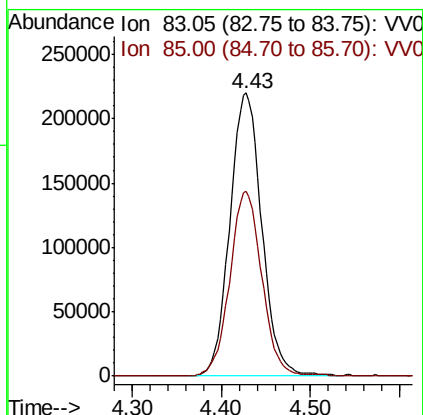
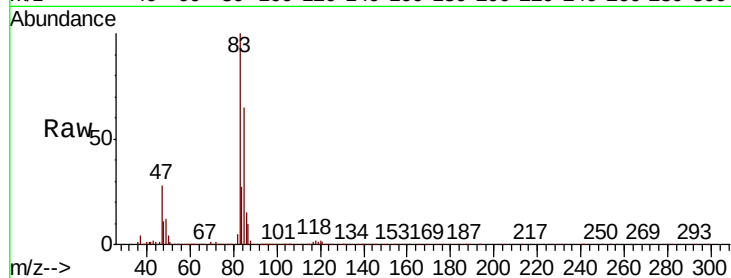




#25
Chloroform
Concen: 5.311 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.01 min
Lab File: VV014323.D
Acq: 16 Jan 2020 16:38

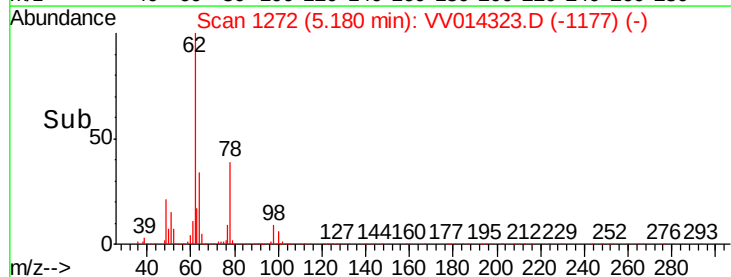
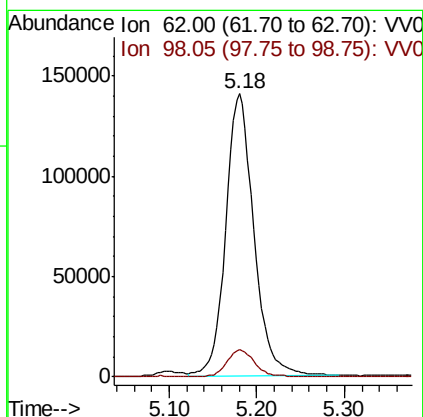
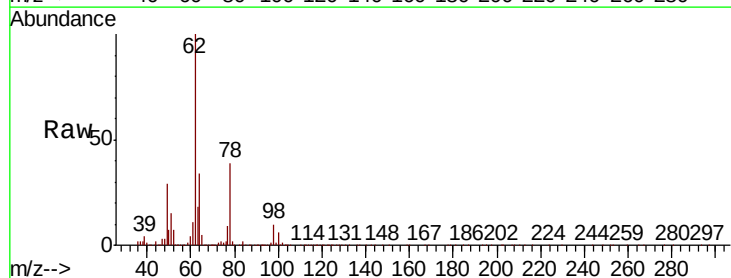
Instrument :
MSVOA_V
ClientSampleId :

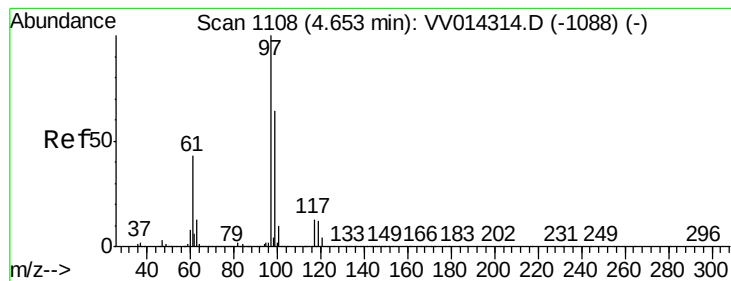
Tot Ion: 83 Resp: 546615
Ion Ratio Lower Upper
83 100
85 65.4 46.2 85.8



#27
1,2-Dichloroethane
Concen: 5.108 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.01 min
Lab File: VV014323.D
Acq: 16 Jan 2020 16:38

Tgt Ion: 62 Resp: 314475
Ion Ratio Lower Upper
62 100
98 9.5 9.2 13.8





#29

1,1,1-Trichloroethane

Concen: 5.278 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VV014323.D

Acq: 16 Jan 2020 16:38

Instrument :

MSVOA_V

ClientSampled :

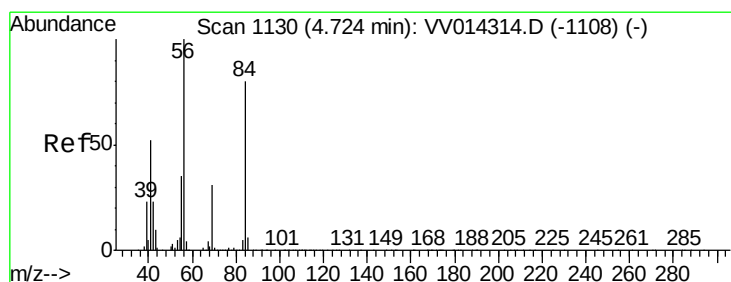
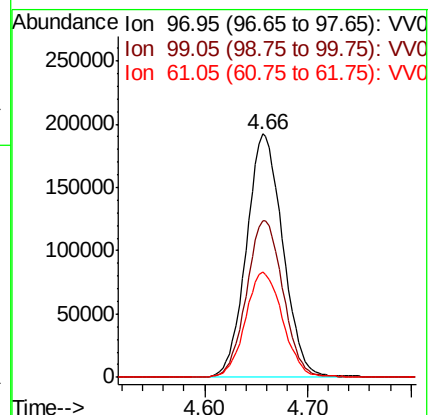
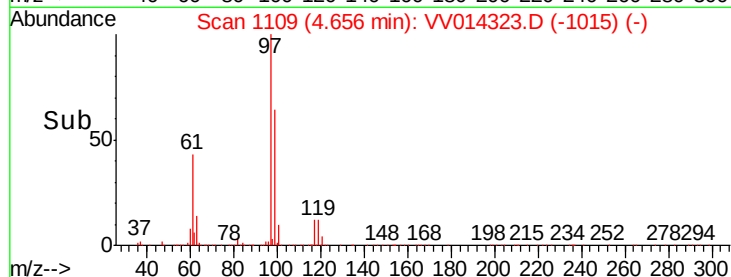
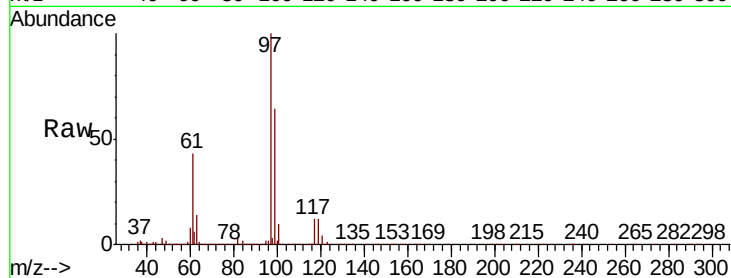
Tot Ion: 97 Resp: 468803

Ion Ratio Lower Upper

97 100

99 64.8 51.1 76.7

61 44.4 33.9 50.9



#30

Cyclohexane

Concen: 5.564 ug/L

RT: 4.73 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VV014323.D

Acq: 16 Jan 2020 16:38

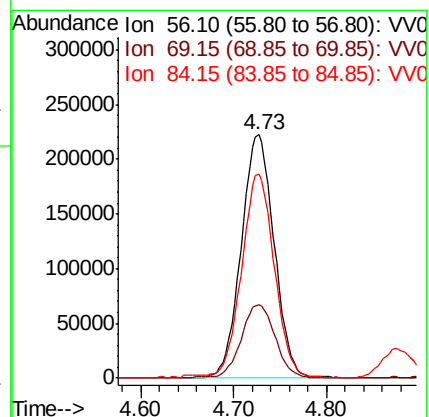
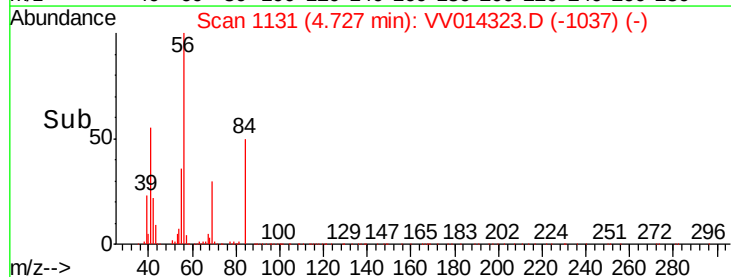
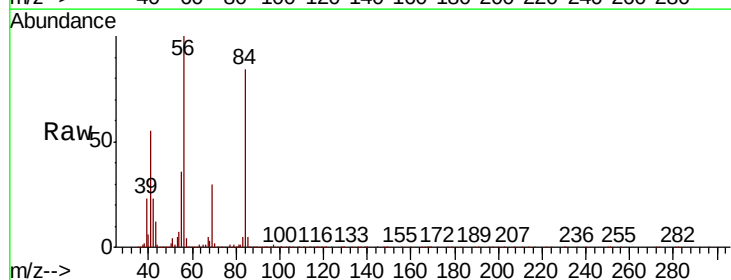
Tgt Ion: 56 Resp: 545649

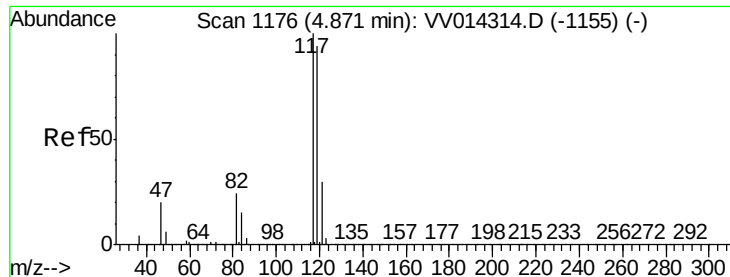
Ion Ratio Lower Upper

56 100

69 30.5 23.9 35.9

84 83.0 68.9 103.3

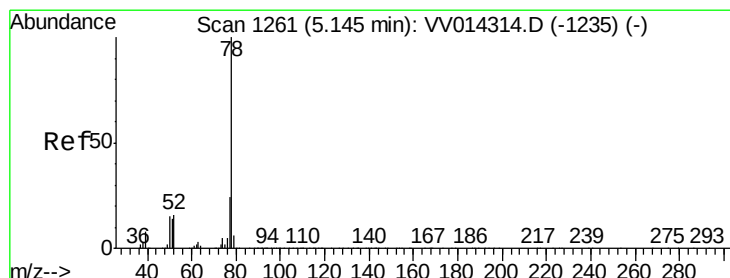
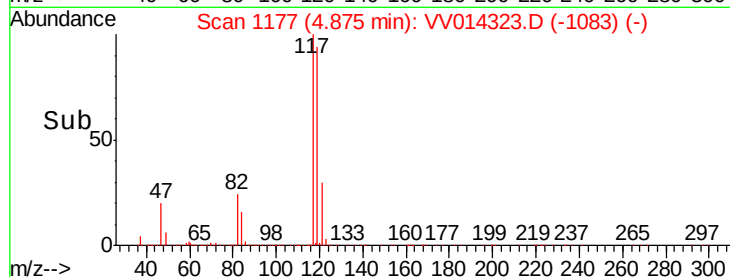
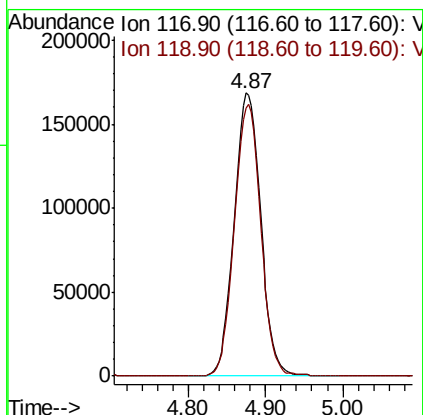
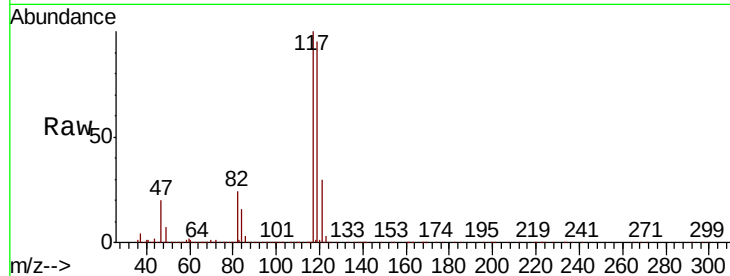




#31
Carbon tetrachloride
Concen: 5.260 ug/L
RT: 4.87 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VV014323.D
Acq: 16 Jan 2020 16:38

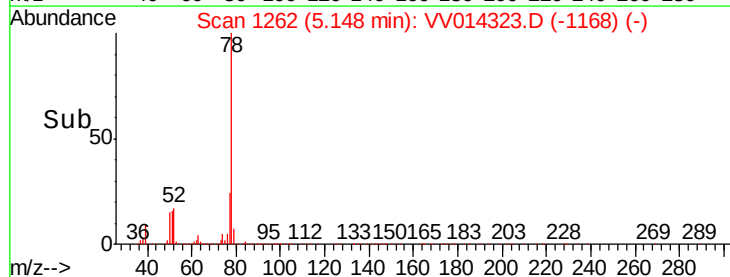
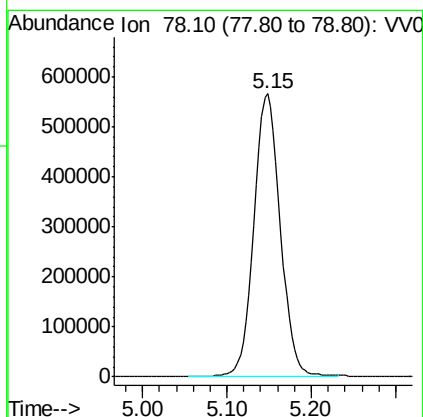
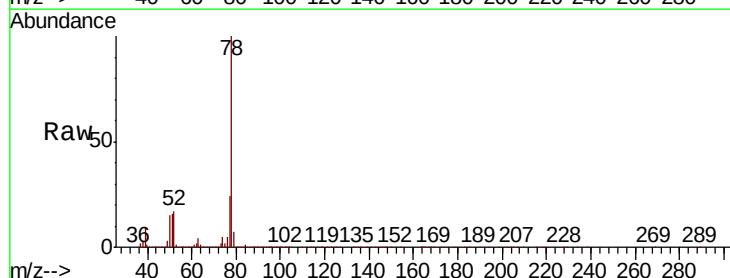
Instrument :
MSVOA_V
ClientSampleId :

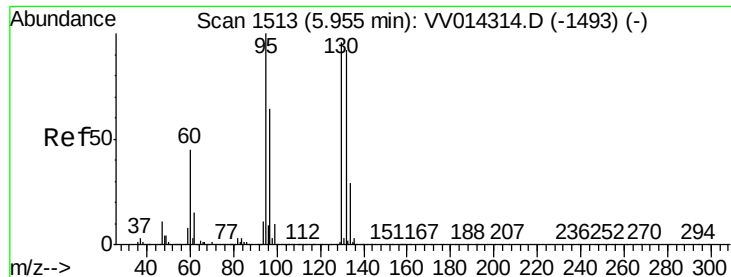
Tot Ion:117 Resp: 400113
Ion Ratio Lower Upper
117 100
119 95.1 76.8 115.2



#33
Benzene
Concen: 5.366 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VV014323.D
Acq: 16 Jan 2020 16:38

Tgt Ion: 78 Resp: 1233150

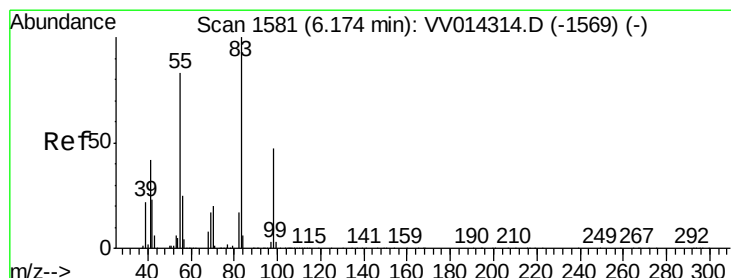
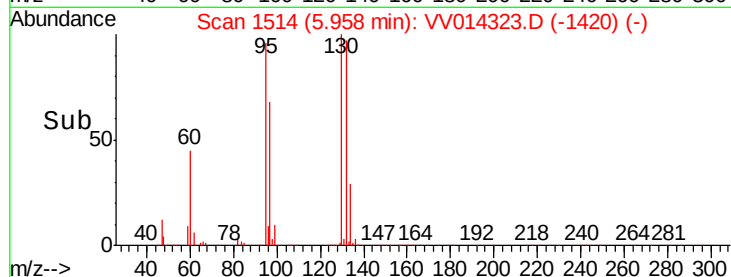
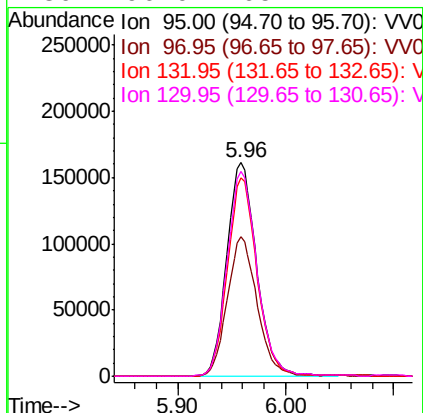
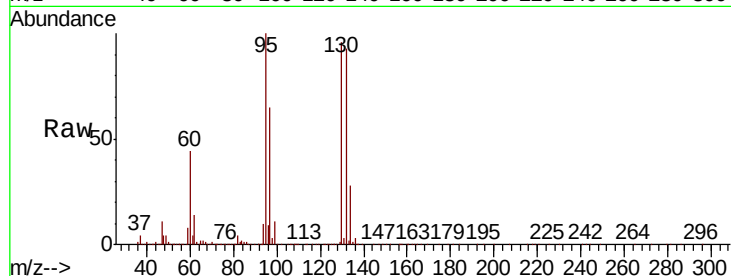




#34
 Trichloroethene
 Concen: 5.284 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV014323.D
 Acq: 16 Jan 2020 16:38

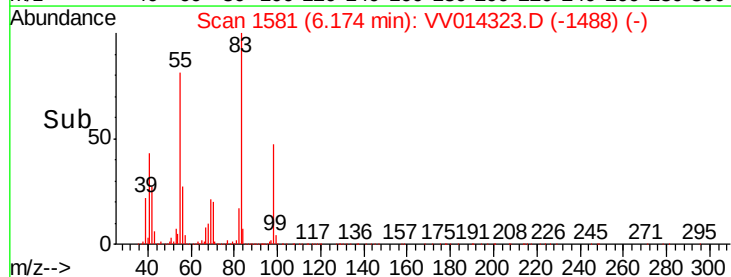
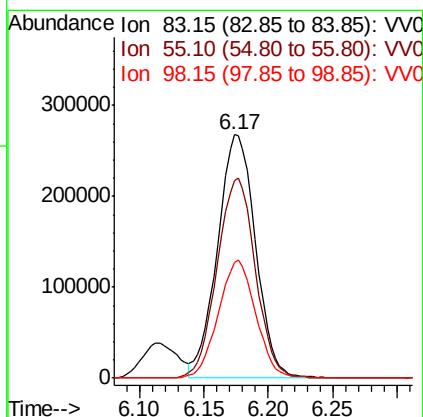
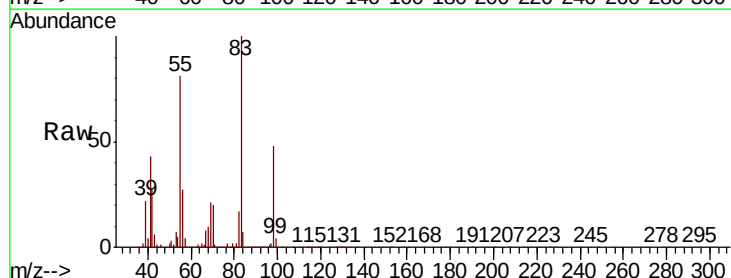
Instrument :
 MSVOA_V
 ClientSampleId :

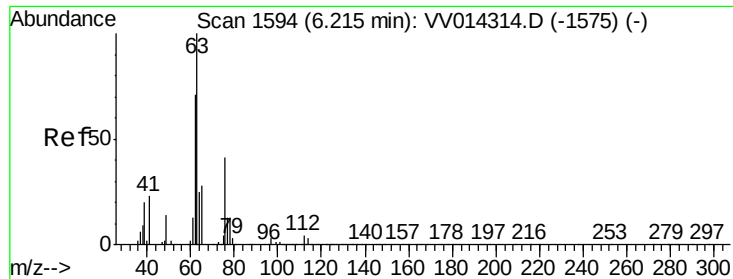
Tot Ion:	95	Resp:	312018
Ion	Ratio	Lower	Upper
95	100		
97	65.3	43.8	81.3
132	93.1	63.4	117.8
130	96.0	65.7	122.1



#35
 Methylcyclohexane
 Concen: 5.665 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VV014323.D
 Acq: 16 Jan 2020 16:38

Tgt Ion:	83	Resp:	547008
Ion	Ratio	Lower	Upper
83	100		
55	82.4	61.7	92.5
98	47.4	38.1	57.1

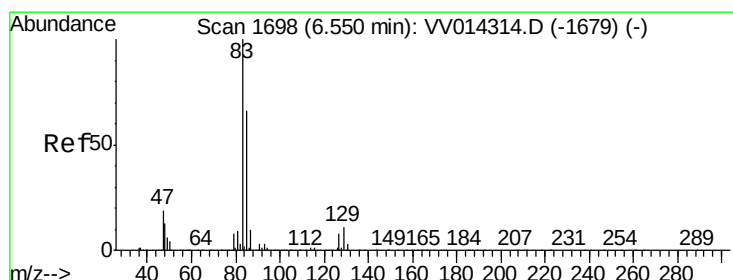
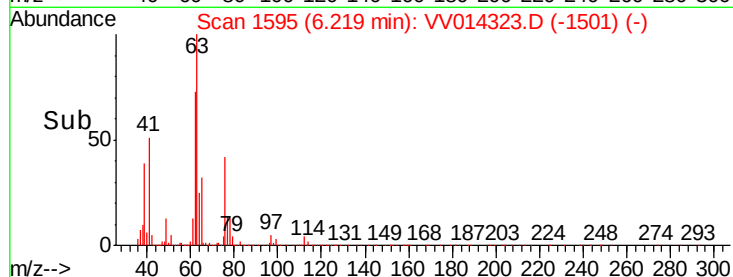
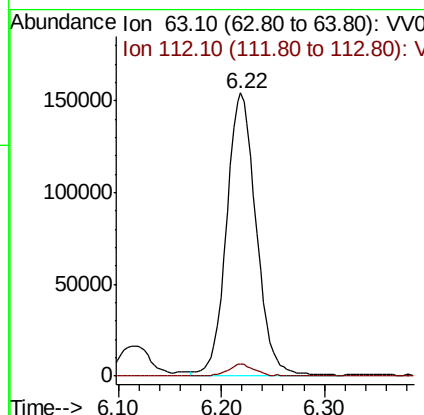
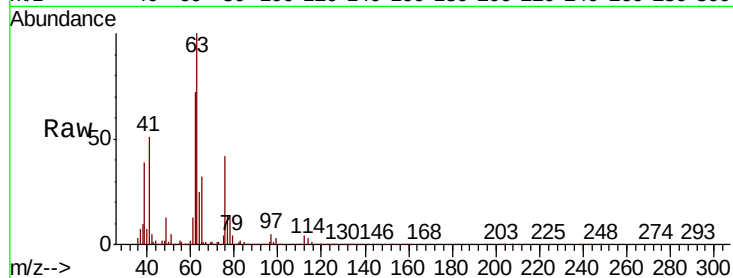




#37
 1,2-Dichloropropane
 Concen: 5.293 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV014323.D
 Acq: 16 Jan 2020 16:38

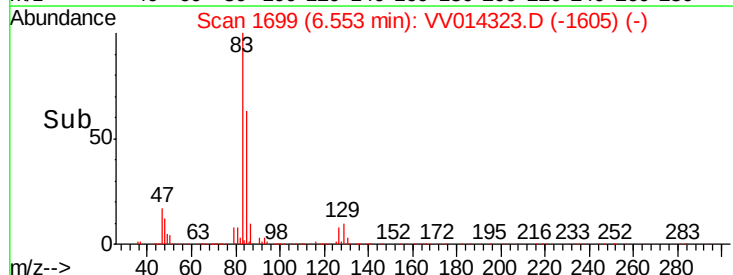
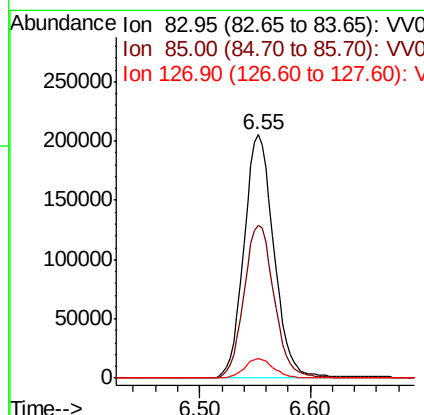
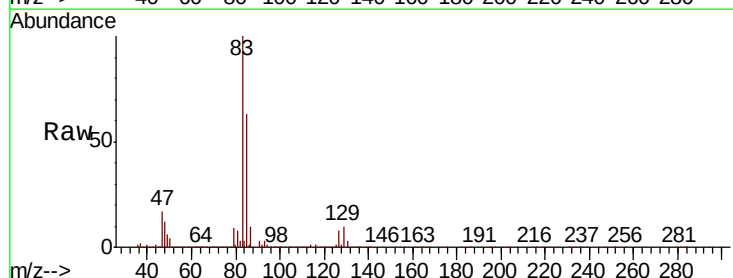
Instrument :
 MSVOA_V
 ClientSampleId :

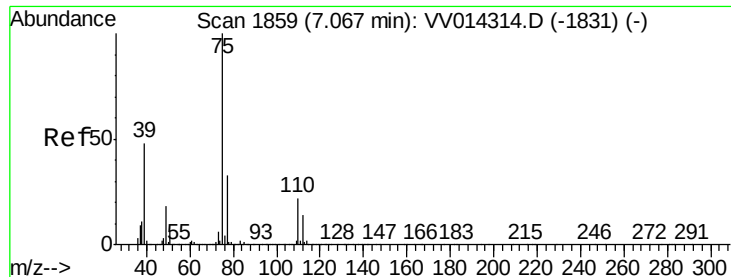
Tot Ion: 63 Resp: 307008
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.7 5.5



#38
 Bromodichloromethane
 Concen: 5.149 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV014323.D
 Acq: 16 Jan 2020 16:38

Tgt Ion: 83 Resp: 385102
 Ion Ratio Lower Upper
 83 100
 85 62.8 46.4 86.2
 127 7.8 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 5.159 ug/L

RT: 7.07 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VV014323.D

Acq: 16 Jan 2020 16:38

Instrument :

MSVOA_V

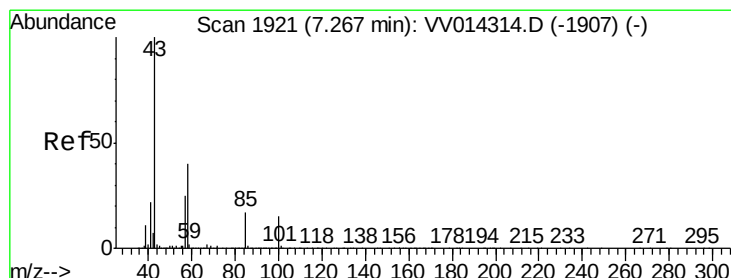
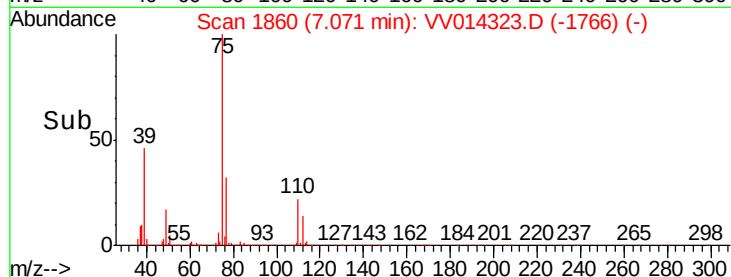
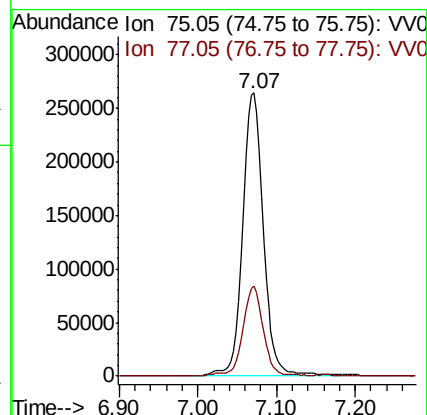
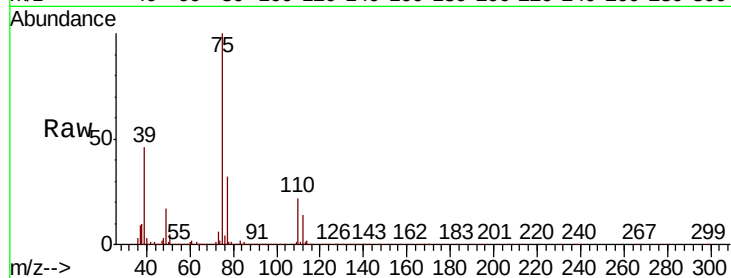
ClientSampleId :

Tot Ion: 75 Resp: 484487

Ion Ratio Lower Upper

75 100

77 31.8 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 47.983 ug/L

RT: 7.27 min Scan# 1922

Delta R.T. 0.00 min

Lab File: VV014323.D

Acq: 16 Jan 2020 16:38

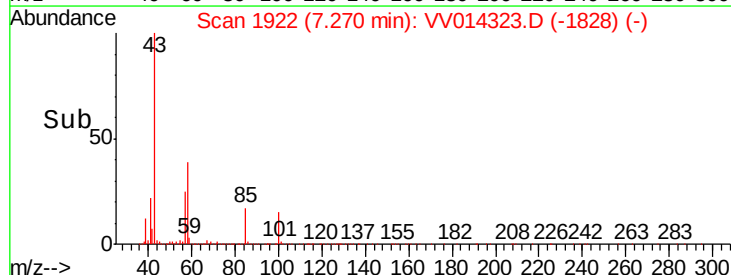
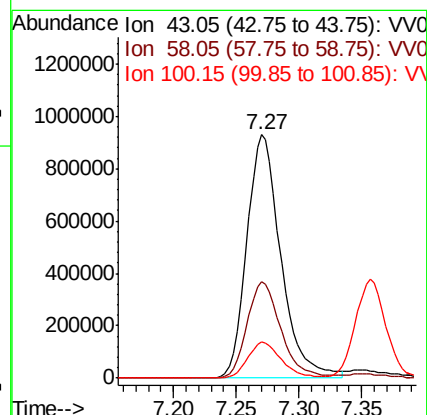
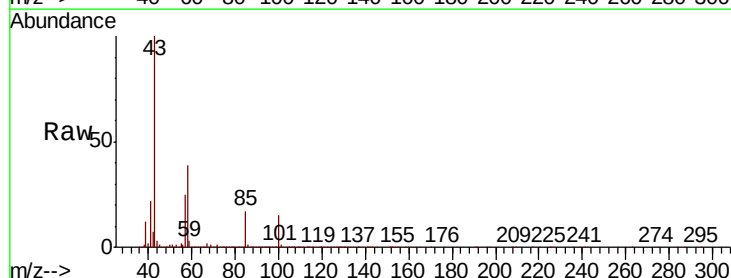
Tgt Ion: 43 Resp: 1754402

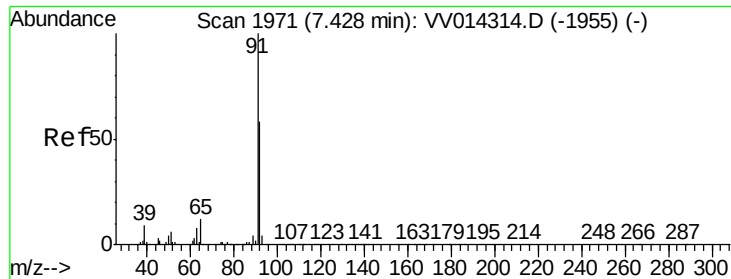
Ion Ratio Lower Upper

43 100

58 39.6 31.5 47.3

100 14.6 12.2 18.2





#42

Toluene

Concen: 5.368 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV014323.D

Acq: 16 Jan 2020 16:38

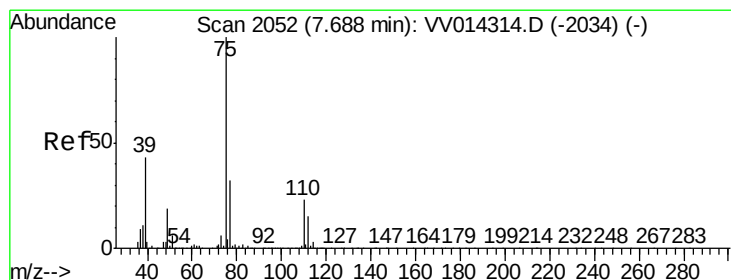
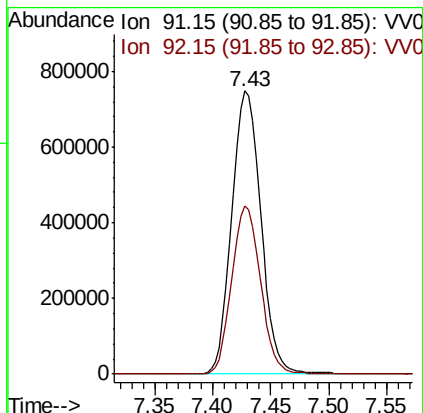
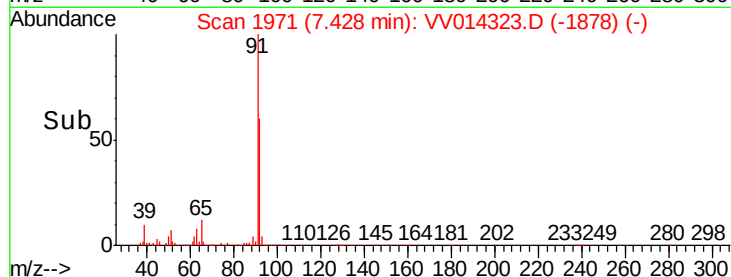
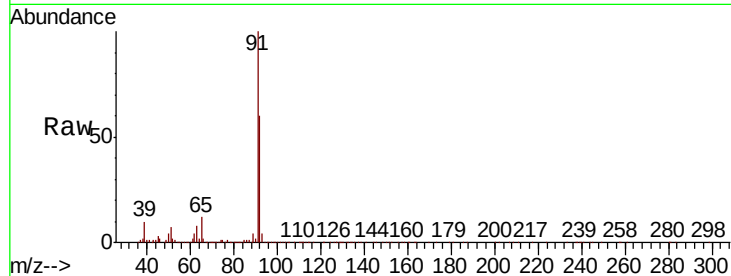
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 1302056

Ion Ratio Lower Upper

91 100

92 59.6 41.2 76.6



#44

trans-1,3-Dichloropropene

Concen: 5.064 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV014323.D

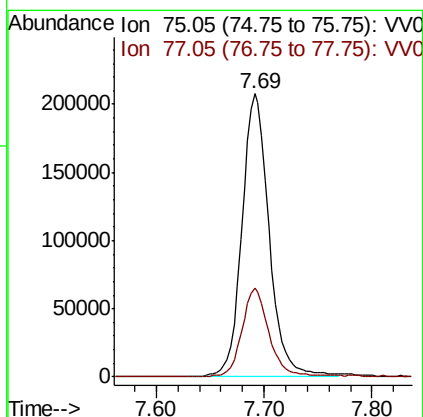
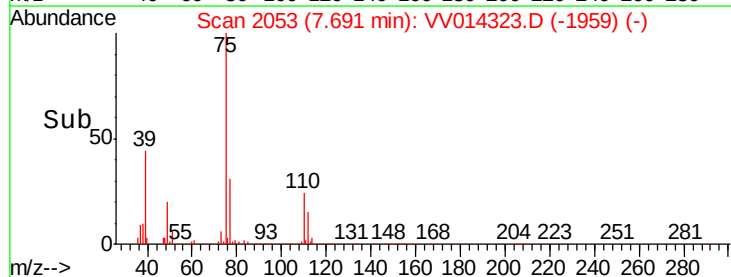
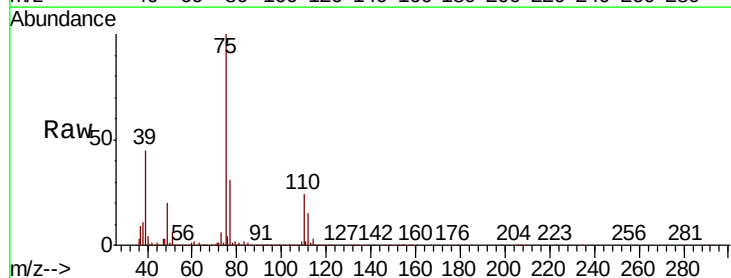
Acq: 16 Jan 2020 16:38

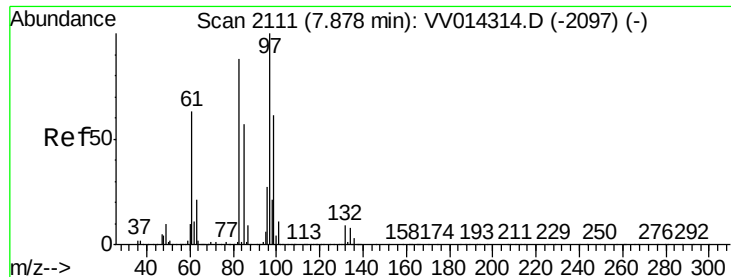
Tgt Ion: 75 Resp: 365164

Ion Ratio Lower Upper

75 100

77 31.3 22.0 41.0

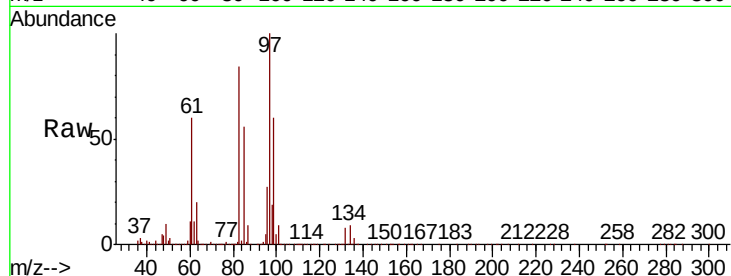




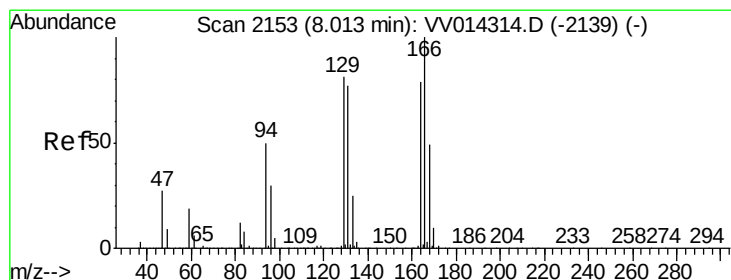
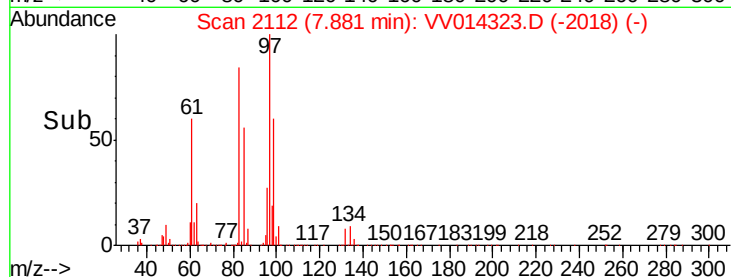
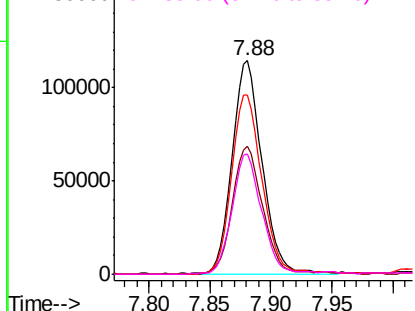
#45
 1,1,2-Trichloroethane
 Concen: 5.238 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV014323.D
 Acq: 16 Jan 2020 16:38

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	194096
Ion	Ratio	Lower	Upper
97	100		
99	59.9	43.7	81.1
83	83.8	60.0	111.4
85	56.3	39.2	72.8

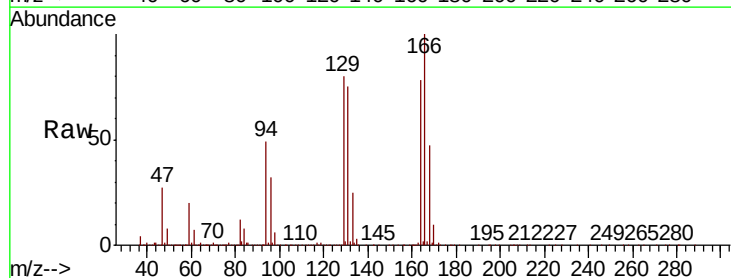


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

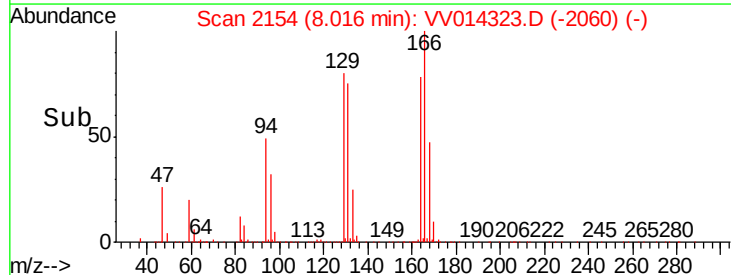
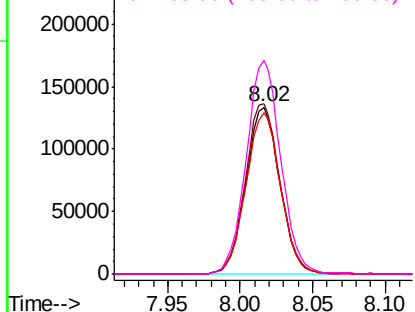


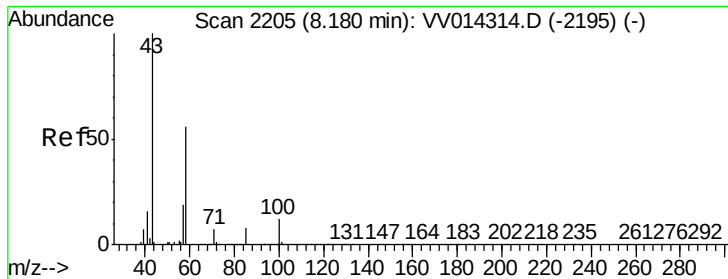
#47
 Tetrachloroethene
 Concen: 5.412 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV014323.D
 Acq: 16 Jan 2020 16:38

Tgt Ion:	164	Resp:	218350
Ion	Ratio	Lower	Upper
164	100		
129	102.3	71.7	133.3
131	96.6	70.4	130.8
166	128.1	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



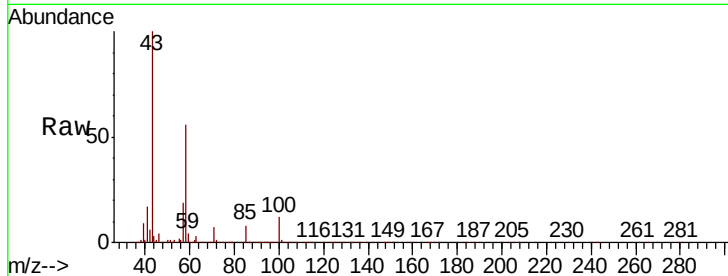


#48
2-Hexanone
Concen: 51.874 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV014323.D
Acq: 16 Jan 2020 16:38

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 1311875

Ion	Ratio	Lower	Upper
43	100		
58	54.9	45.4	68.0
57	19.1	15.8	23.8
100	11.3	10.2	15.4



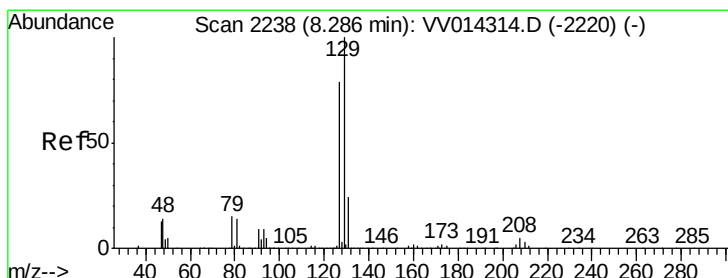
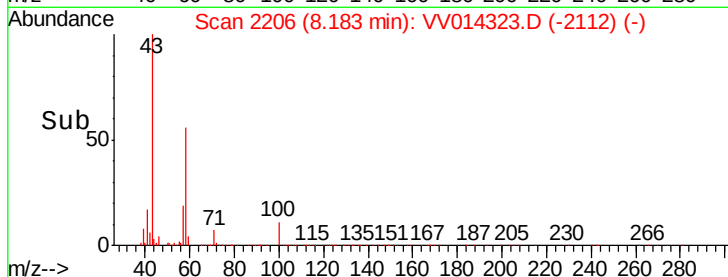
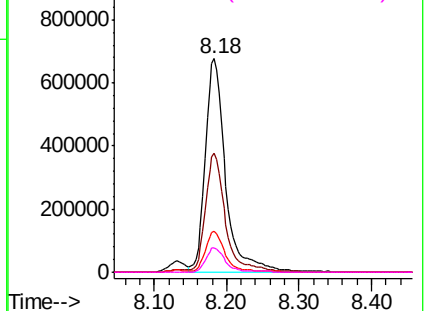
Abundance

Ion 43.05 (42.75 to 43.75): VV014323.D (-2195) (-)

Ion 58.05 (57.75 to 58.75): VV014323.D (-2195) (-)

Ion 57.20 (56.90 to 57.90): VV014323.D (-2195) (-)

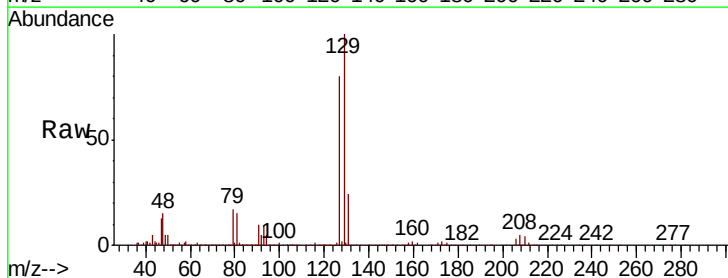
Ion 100.15 (99.85 to 100.85): VV014323.D (-2195) (-)



#49
Dibromochloromethane
Concen: 4.966 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. -0.00 min
Lab File: VV014323.D
Acq: 16 Jan 2020 16:38

Tgt Ion: 129 Resp: 232645

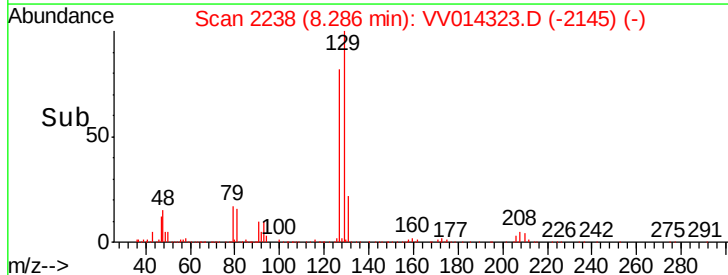
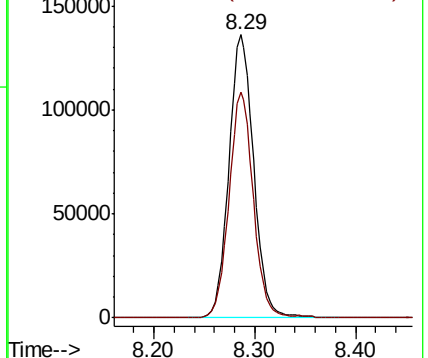
Ion	Ratio	Lower	Upper
129	100		
127	80.0	55.7	103.5

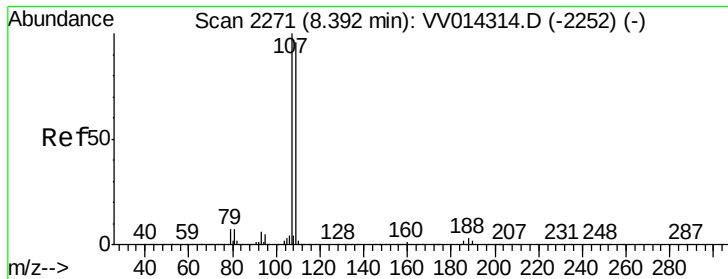


Abundance

Ion 128.95 (128.65 to 129.65): VV014323.D (-2145) (-)

Ion 126.90 (126.60 to 127.60): VV014323.D (-2145) (-)





#50

1,2-Dibromoethane

Concen: 5.134 ug/L

RT: 8.39 min Scan# 2271

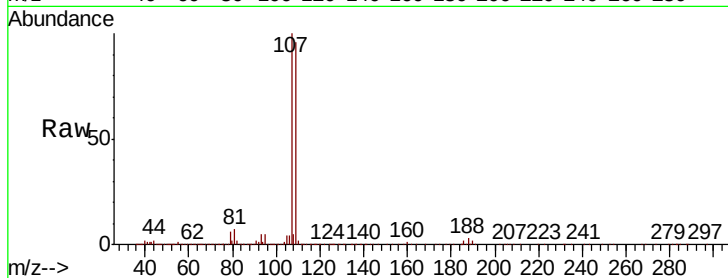
Delta R.T. -0.00 min

Lab File: VV014323.D

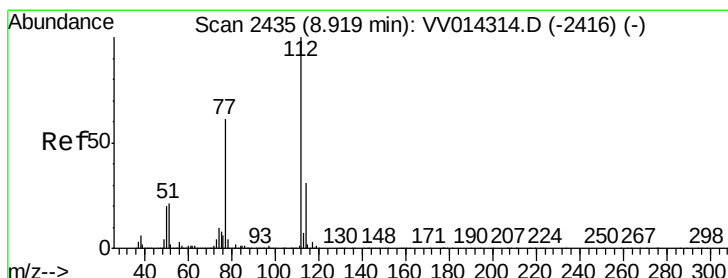
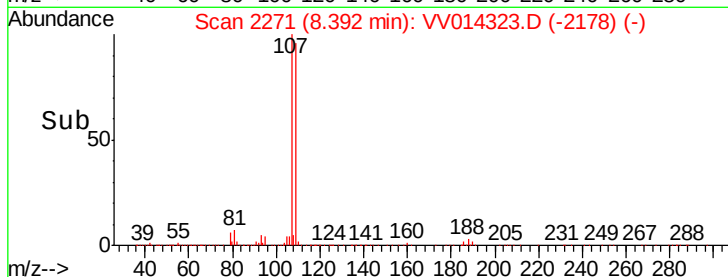
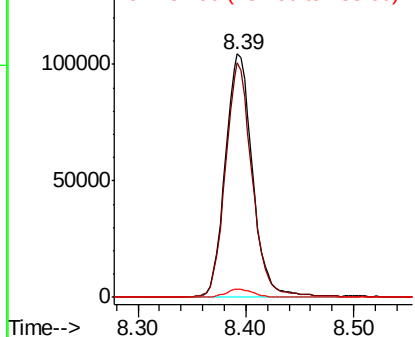
Acq: 16 Jan 2020 16:38

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:	107	Resp:	184220
Ion	Ratio	Lower	Upper
107	100		
109	96.3	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: 5.282 ug/L

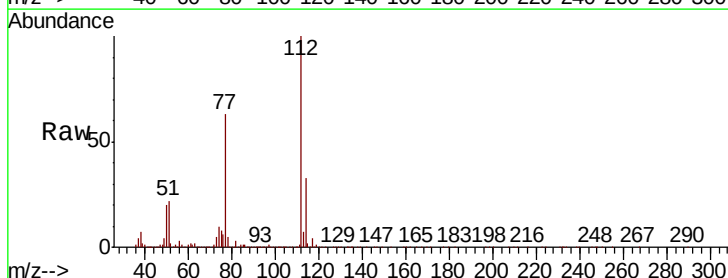
RT: 8.92 min Scan# 2435

Delta R.T. -0.00 min

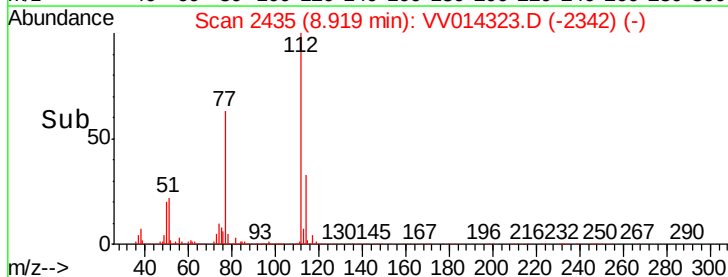
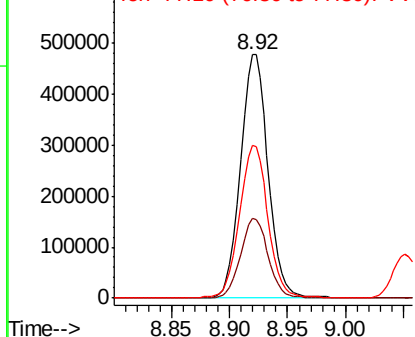
Lab File: VV014323.D

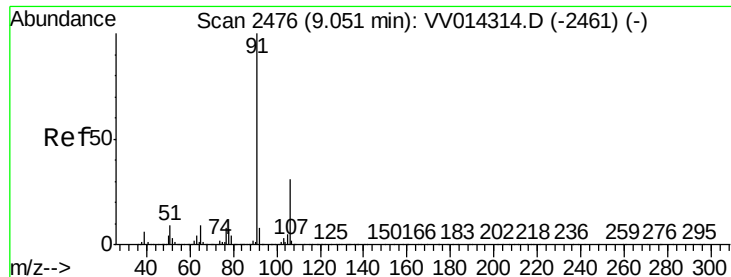
Acq: 16 Jan 2020 16:38

Tgt Ion:	112	Resp:	787894
Ion	Ratio	Lower	Upper
112	100		
114	32.8	22.5	41.7
77	63.0	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: 5.498 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. -0.00 min

Lab File: VV014323.D

Acq: 16 Jan 2020 16:38

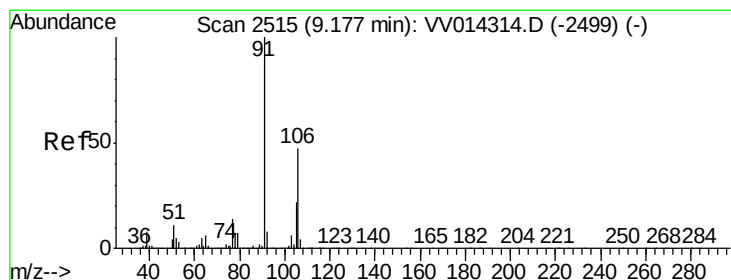
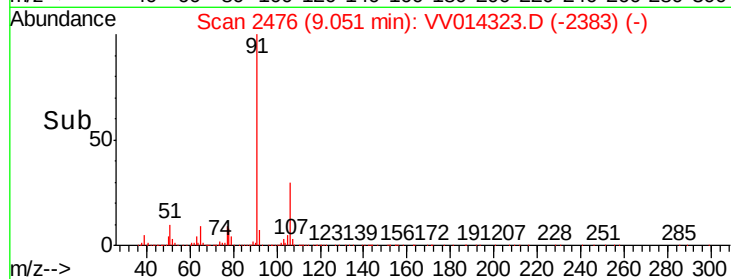
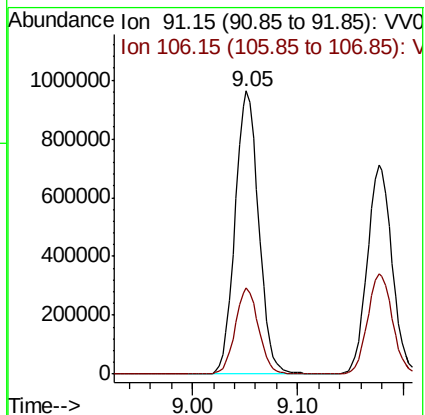
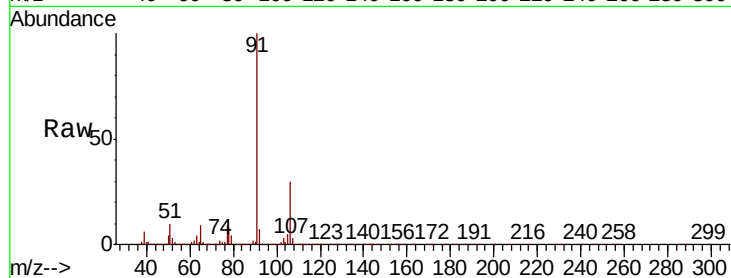
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 1491878

Ion Ratio Lower Upper

91 100

106 30.4 21.6 40.0



#53

m,p-xylene

Concen: 5.541 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV014323.D

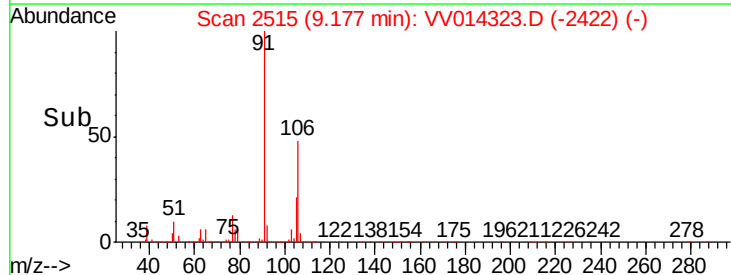
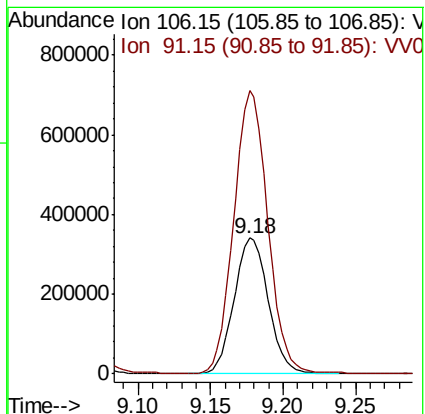
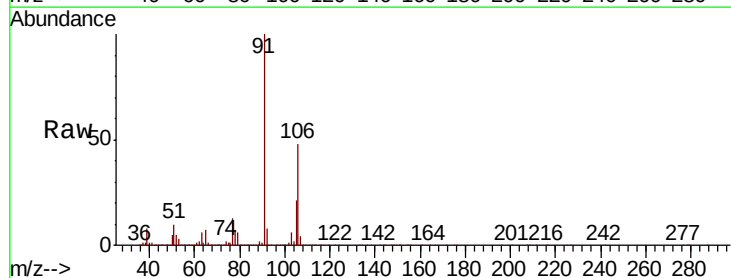
Acq: 16 Jan 2020 16:38

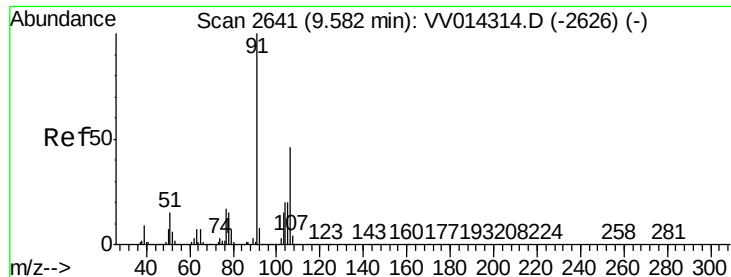
Tgt Ion: 106 Resp: 554687

Ion Ratio Lower Upper

106 100

91 208.2 146.8 272.6





#54

o-xylene

Concen: 5.471 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV014323.D

Acq: 16 Jan 2020 16:38

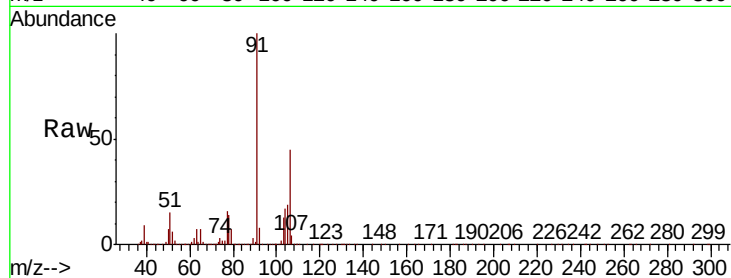
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 538559

Ion Ratio Lower Upper

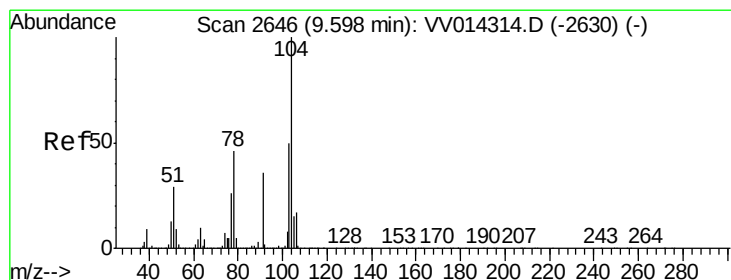
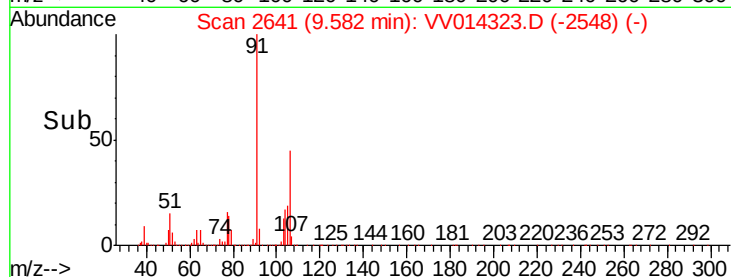
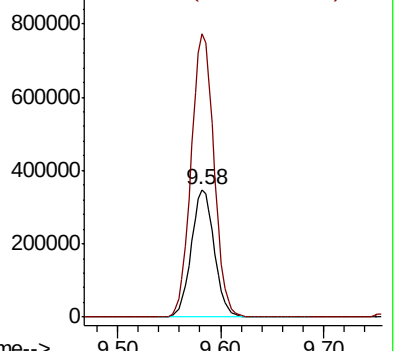
106 100

91 222.3 150.9 280.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.386 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. -0.00 min

Lab File: VV014323.D

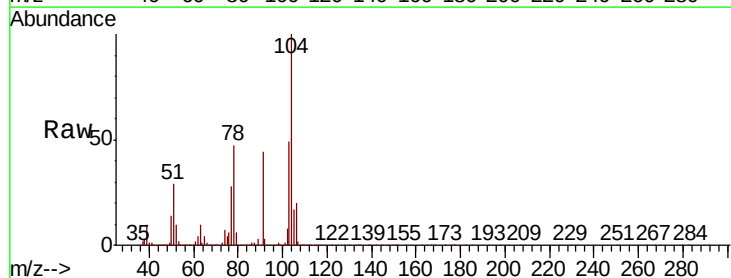
Acq: 16 Jan 2020 16:38

Tgt Ion:104 Resp: 898225

Ion Ratio Lower Upper

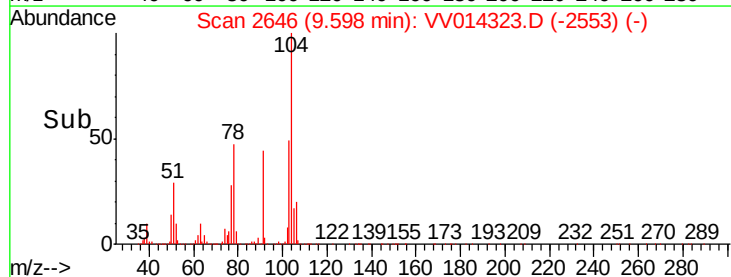
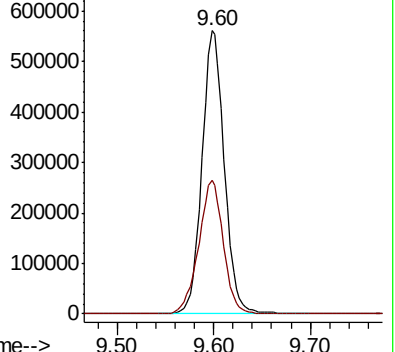
104 100

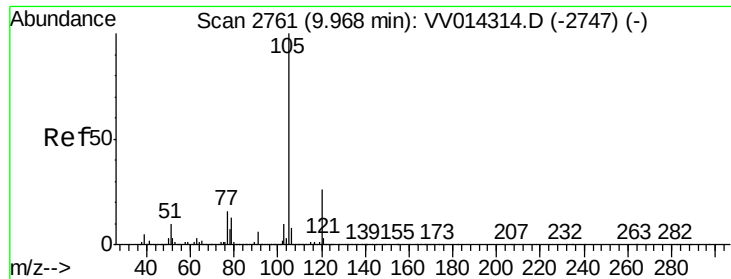
78 47.4 31.7 58.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.612 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV014323.D

Acq: 16 Jan 2020 16:38

Instrument :

MSVOA_V

ClientSampleId :

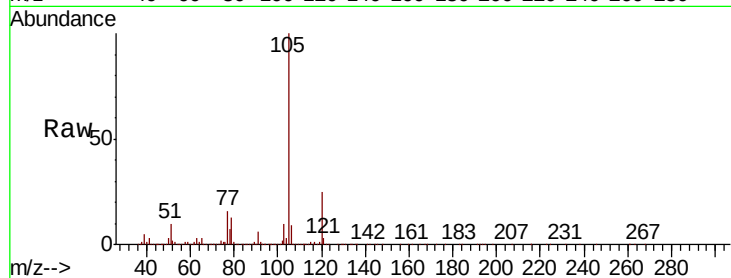
Tot Ion:105 Resp: 1440915

Ion Ratio Lower Upper

105 100

120 25.7 21.0 31.4

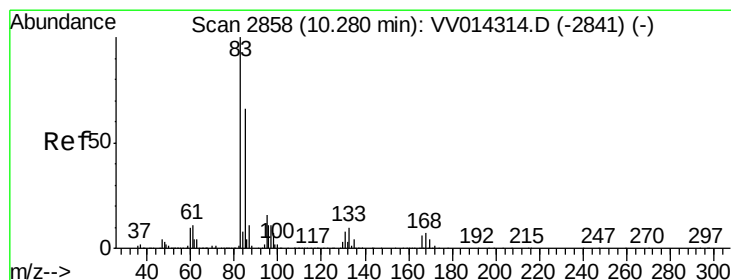
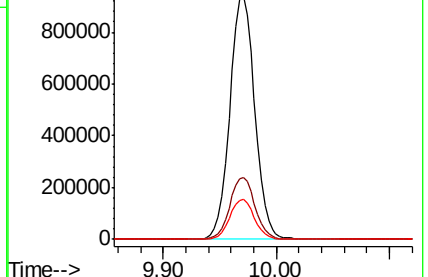
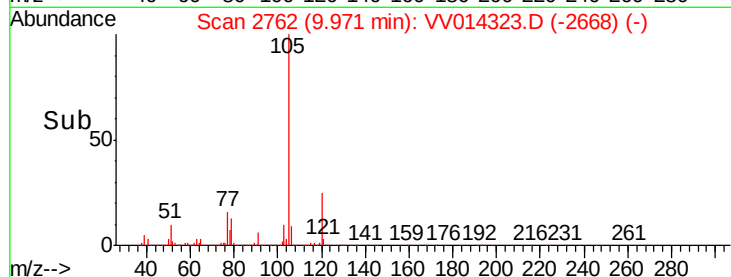
77 16.2 12.5 18.7



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: 5.276 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. -0.00 min

Lab File: VV014323.D

Acq: 16 Jan 2020 16:38

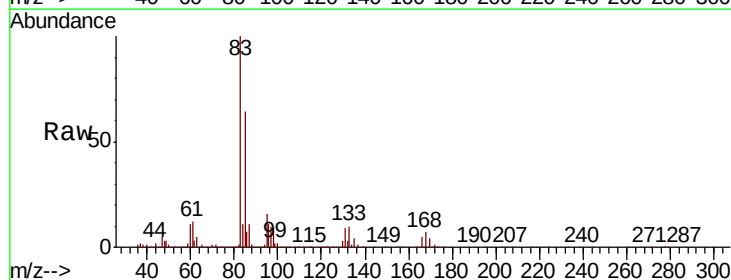
Tgt Ion: 83 Resp: 241067

Ion Ratio Lower Upper

83 100

85 63.6 45.9 85.3

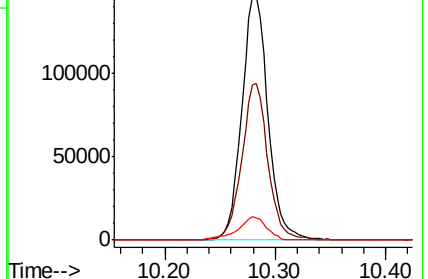
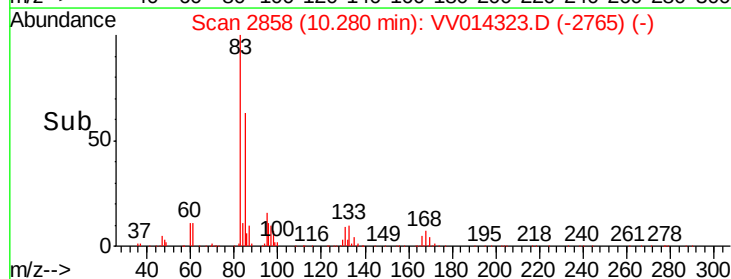
131 9.4 7.8 11.8

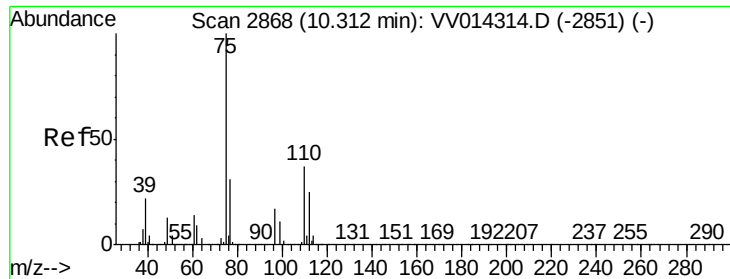


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.126 ug/L

RT: 10.31 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV014323.D

Acq: 16 Jan 2020 16:38

Instrument :

MSVOA_V

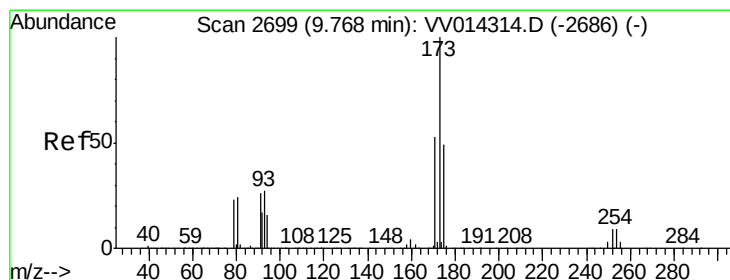
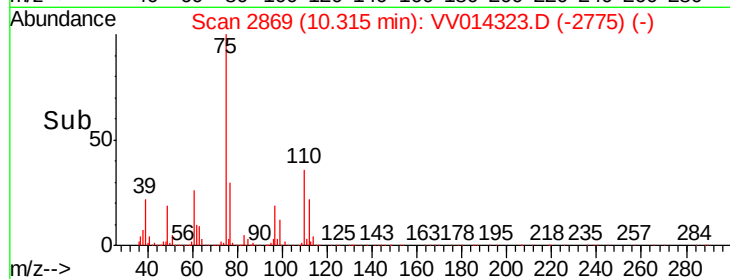
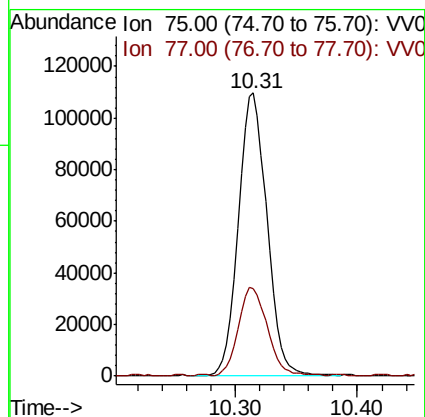
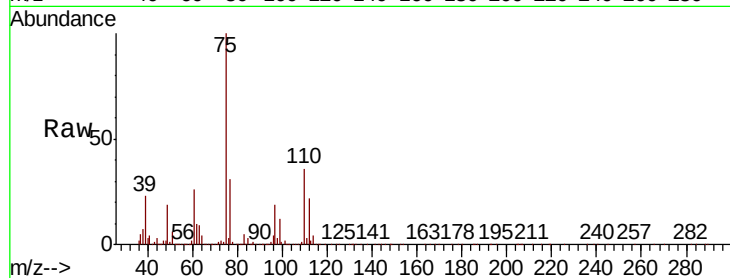
ClientSampleId :

Tot Ion: 75 Resp: 177142

Ion Ratio Lower Upper

75 100

77 31.2 25.7 38.5



#61

Bromoform

Concen: 4.830 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VV014323.D

Acq: 16 Jan 2020 16:38

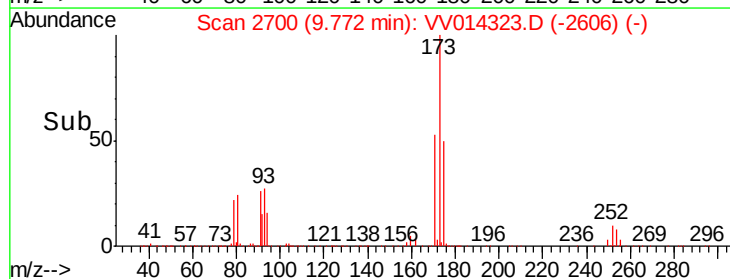
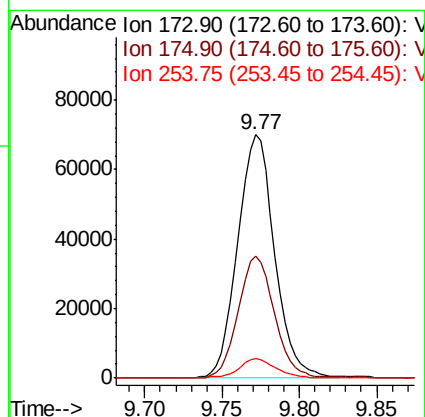
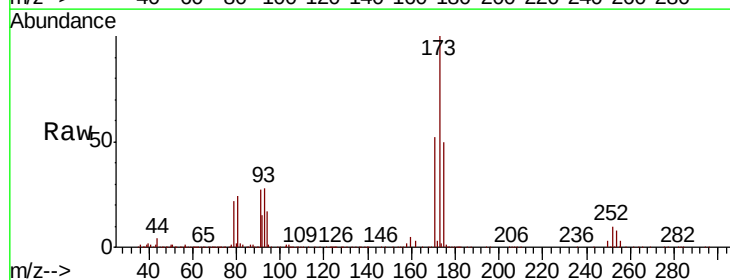
Tgt Ion: 173 Resp: 116232

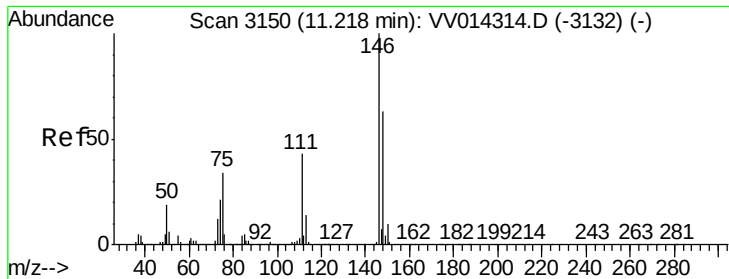
Ion Ratio Lower Upper

173 100

175 48.9 37.9 56.9

254 8.0 7.6 11.4





#62

1,3-Dichlorobenzene

Concen: 5.368 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. 0.00 min

Lab File: VV014323.D

Acq: 16 Jan 2020 16:38

Instrument :

MSVOA_V

ClientSampled :

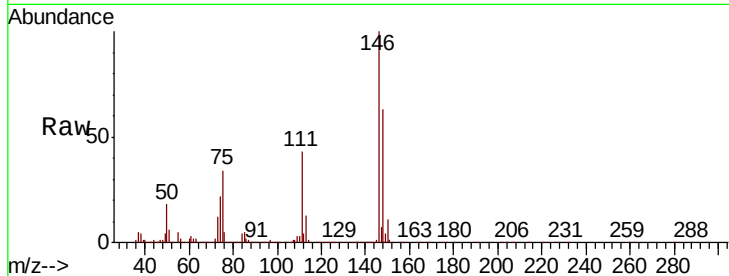
Tot Ion:146 Resp: 595779

Ion Ratio Lower Upper

146 100

111 43.0 30.7 57.1

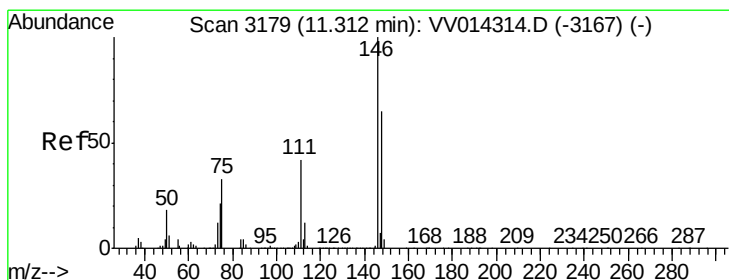
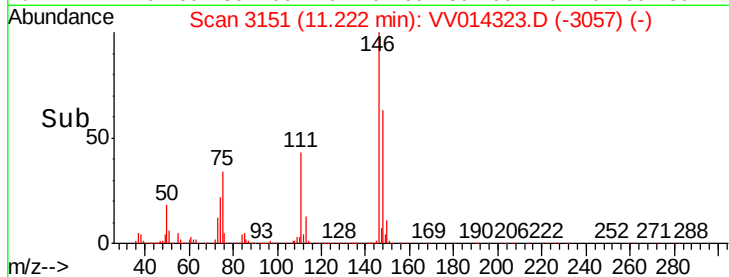
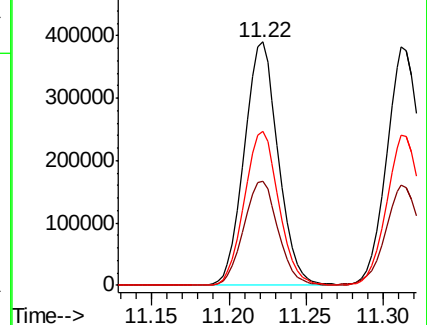
148 63.3 44.4 82.5



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.355 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. -0.00 min

Lab File: VV014323.D

Acq: 16 Jan 2020 16:38

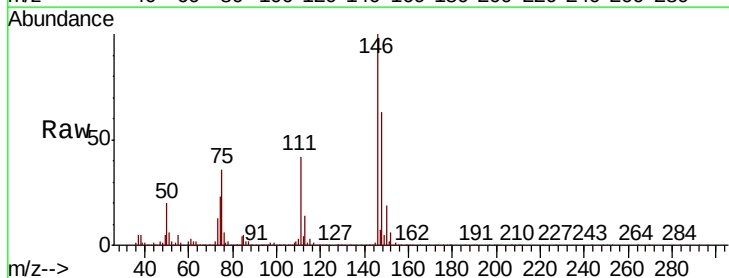
Tgt Ion:146 Resp: 591031

Ion Ratio Lower Upper

146 100

111 42.1 28.8 53.4

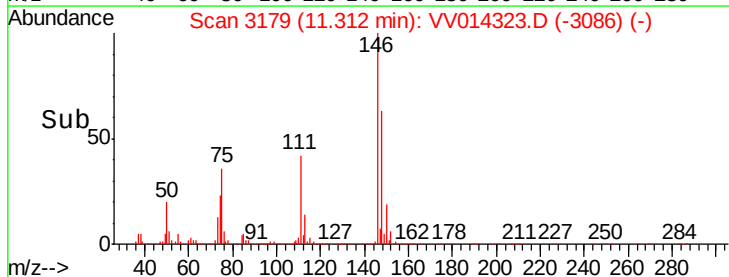
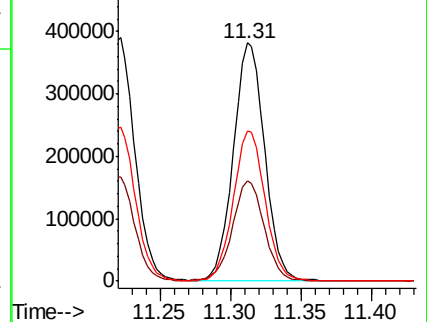
148 63.3 44.5 82.7

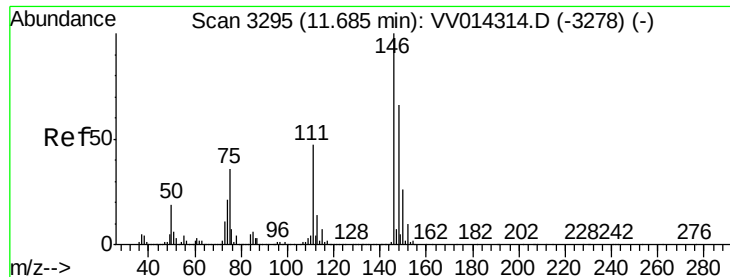


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

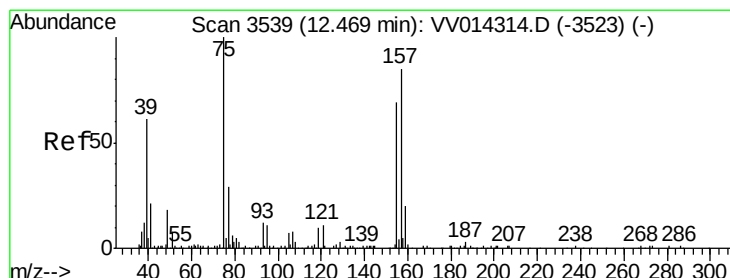
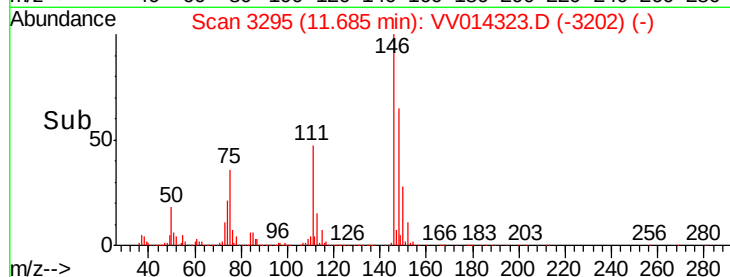
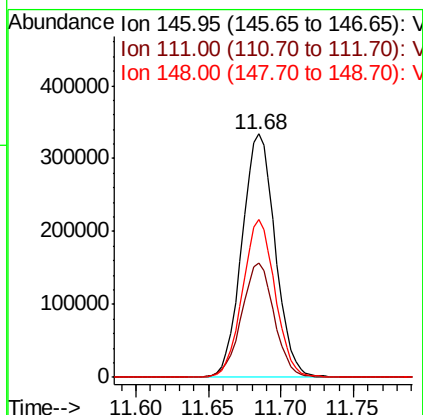
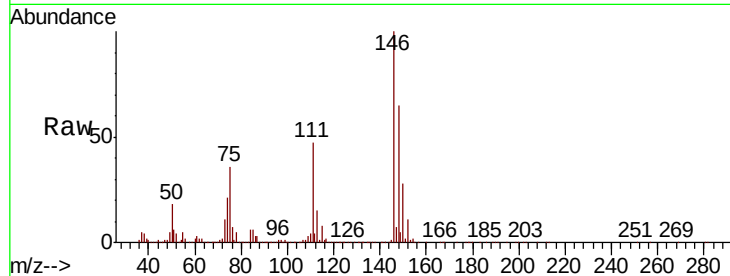




#65
 1,2-Dichlorobenzene
 Concen: 5.307 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. -0.00 min
 Lab File: VV014323.D
 Acq: 16 Jan 2020 16:38

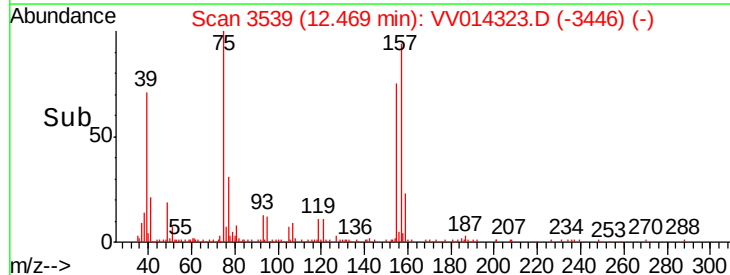
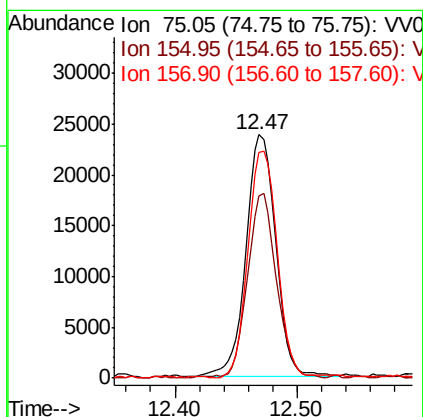
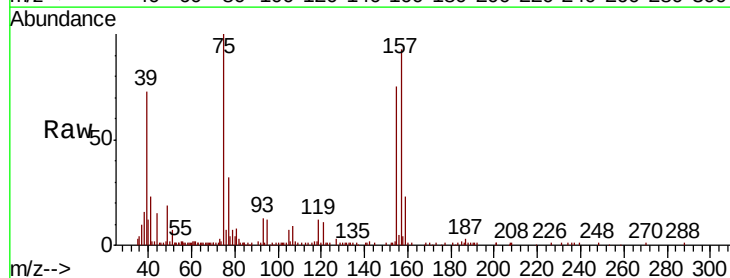
Instrument :
 MSVOA_V
 ClientSampleId :

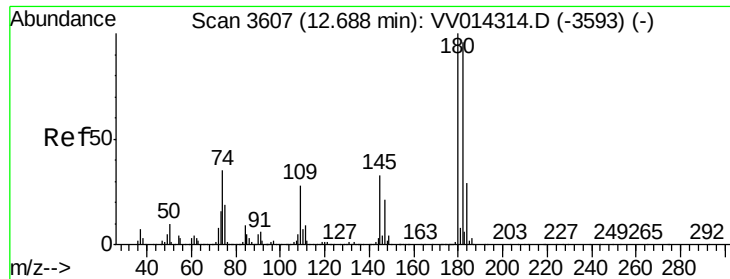
Tot Ion	Ratio	Lower	Upper
146	100		
111	46.9	36.4	54.6
148	64.6	51.3	76.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.354 ug/L
 RT: 12.47 min Scan# 3539
 Delta R.T. -0.00 min
 Lab File: VV014323.D
 Acq: 16 Jan 2020 16:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.0	56.9	85.3
157	92.8	82.0	123.0

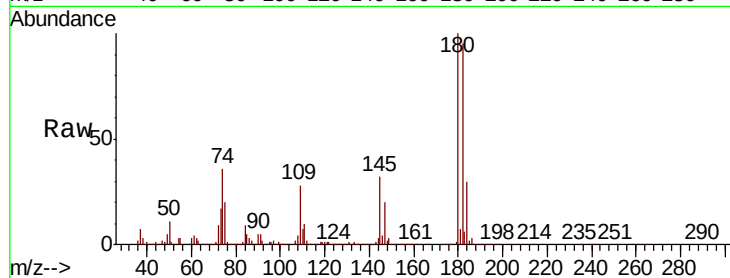




#67
 1,3,5-Trichlorobenzene
 Concen: 5.322 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VV014323.D
 Acq: 16 Jan 2020 16:38

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	180	Resp:	429562
Ion	Ratio	Lower	Upper
180	100		
182	93.8	77.2	115.8
184	30.0	24.6	36.8
145	32.2	26.9	40.3



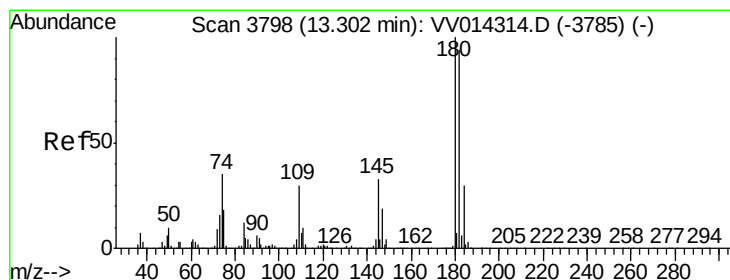
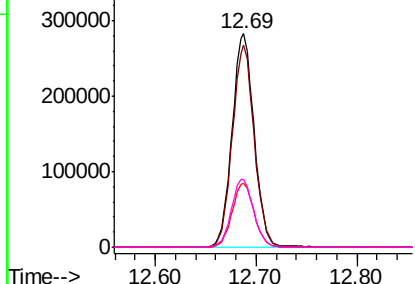
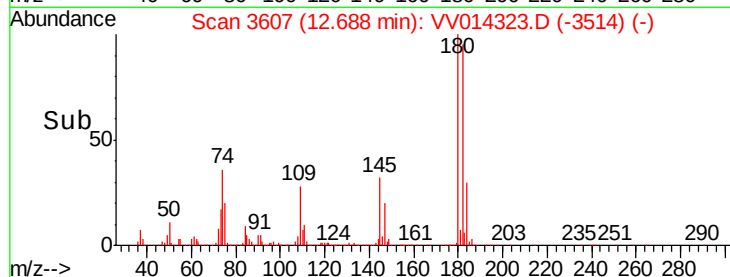
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

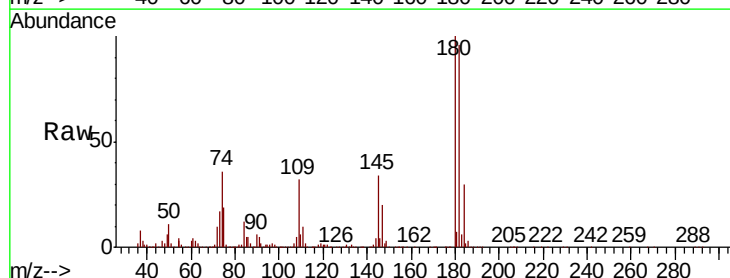
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.235 ug/L
 RT: 13.30 min Scan# 3798
 Delta R.T. -0.00 min
 Lab File: VV014323.D
 Acq: 16 Jan 2020 16:38

Tgt Ion:	180	Resp:	370611
Ion	Ratio	Lower	Upper
180	100		
182	95.4	75.2	112.8
145	33.8	26.2	39.4

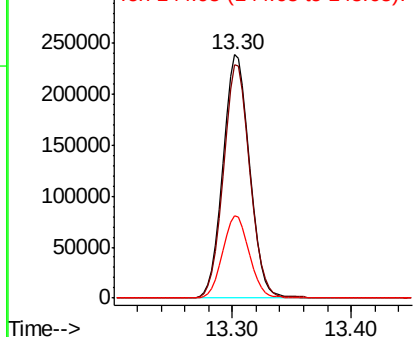
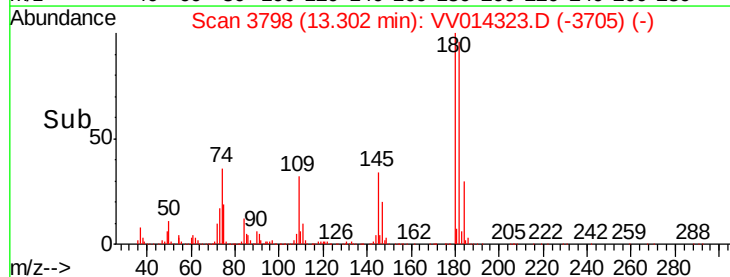


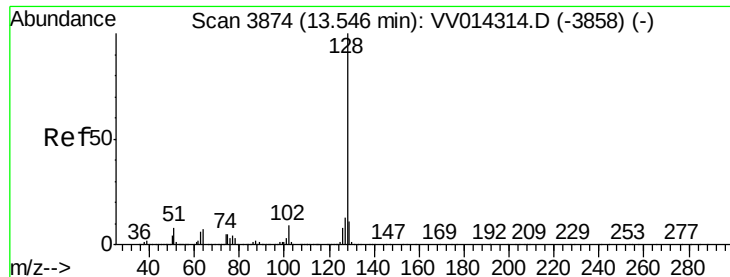
Abundance

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: 4.818 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. -0.00 min

Lab File: VV014323.D

Acq: 16 Jan 2020 16:38

Instrument :

MSVOA_V

ClientSampled :

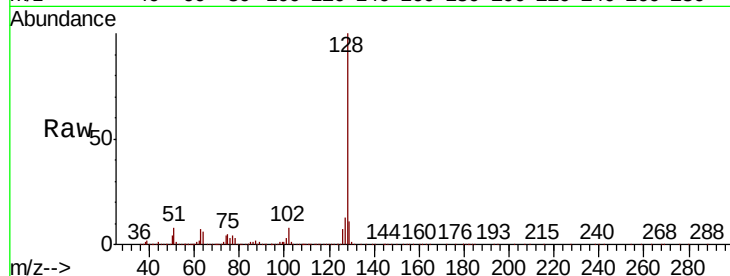
Tot Ion:128 Resp: 692991

Ion Ratio Lower Upper

128 100

129 10.7 8.6 13.0

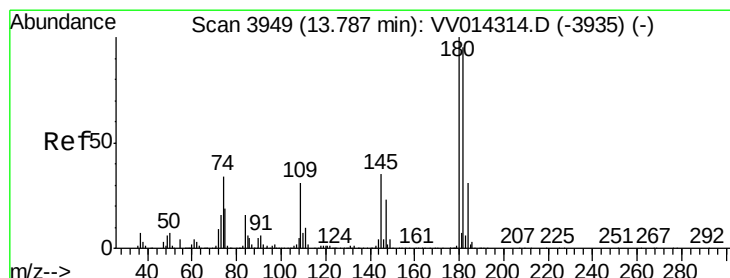
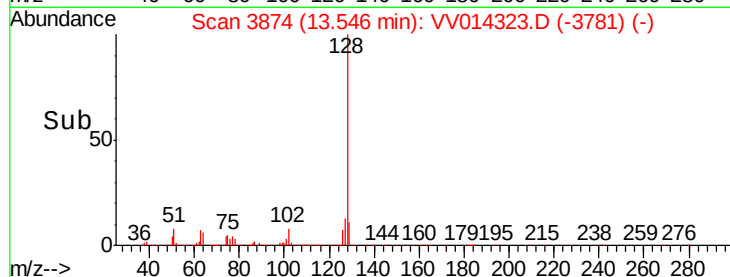
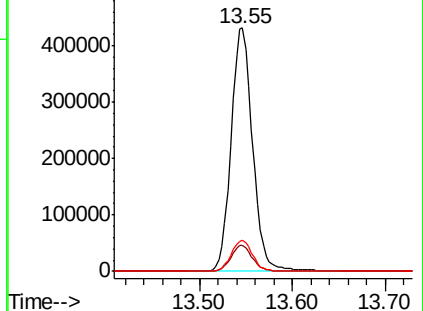
127 12.7 10.2 15.2



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: 5.188 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. -0.00 min

Lab File: VV014323.D

Acq: 16 Jan 2020 16:38

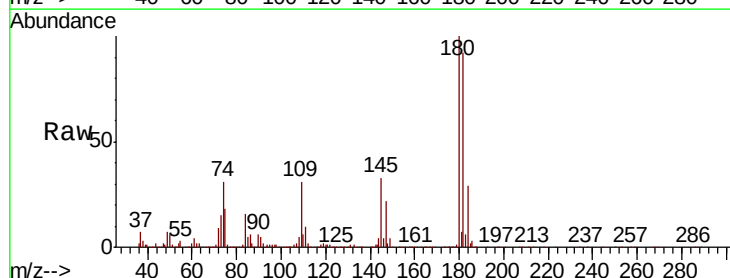
Tgt Ion:180 Resp: 323207

Ion Ratio Lower Upper

180 100

182 93.1 74.8 112.2

145 34.3 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

