

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV011420\
 Data File : VV014302.D
 Acq On : 14 Jan 2020 18:14
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jan 14 22:23:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR010220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jan 14 22:19:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	880677	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	804005	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	371295	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	246381	4.00	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.00%
7) Chloroethane-d5	1.59	69	197286	4.14	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.80%
11) 1,1-Dichloroethene-d2	2.13	63	394710	4.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.80%
20) 2-Butanone-d5	3.96	46	715979	48.37	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.74%
24) Chloroform-d	4.40	84	553231	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.80%
26) 1,2-Dichloroethane-d4	5.08	65	268050	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.80%
32) Benzene-d6	5.10	84	1126747	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.00%
36) 1,2-Dichloropropane-d6	6.12	67	357148	4.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.00%
41) Toluene-d8	7.36	98	1017529	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.80%
43) trans-1,3-Dichloropropene-	7.66	79	148617	4.52	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.40%
46) 2-Hexanone-d5	8.13	63	636755	45.70	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.40%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	251003	4.83	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	327940	4.70	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	292875	4.411 ug/L	97
3) Chloromethane	1.26	50	310470	4.704 ug/L	96
5) Vinyl chloride	1.32	62	286031	4.641 ug/L	100
6) Bromomethane	1.54	94	161941	4.631 ug/L	98
8) Chloroethane	1.60	64	161128	4.653 ug/L	99
9) Trichlorofluoromethane	1.77	101	369619	5.080 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	200212	5.080 ug/L	95
12) 1,1-Dichloroethene	2.14	96	187853	4.774 ug/L	92
13) Acetone	2.23	43	414833	40.695 ug/L	93
14) Carbon disulfide	2.32	76	825820	4.730 ug/L	99
15) Methyl Acetate	2.48	43	105377	4.441 ug/L	96
16) Methylene chloride	2.54	84	297822	4.650 ug/L	92
17) Methyl tert-butyl Ether	2.81	73	707301	4.857 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	289446	4.894 ug/L	93
19) 1,1-Dichloroethane	3.23	63	571107	4.927 ug/L	97
21) 2-Butanone	4.05	43	749851	49.040 ug/L	96
22) cis-1,2-Dichloroethene	3.96	96	322460	4.974 ug/L #	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV011420\
 Data File : VV014302.D
 Acq On : 14 Jan 2020 18:14
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jan 14 22:23:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR010220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jan 14 22:19:33 2020
 Response via : Initial Calibration

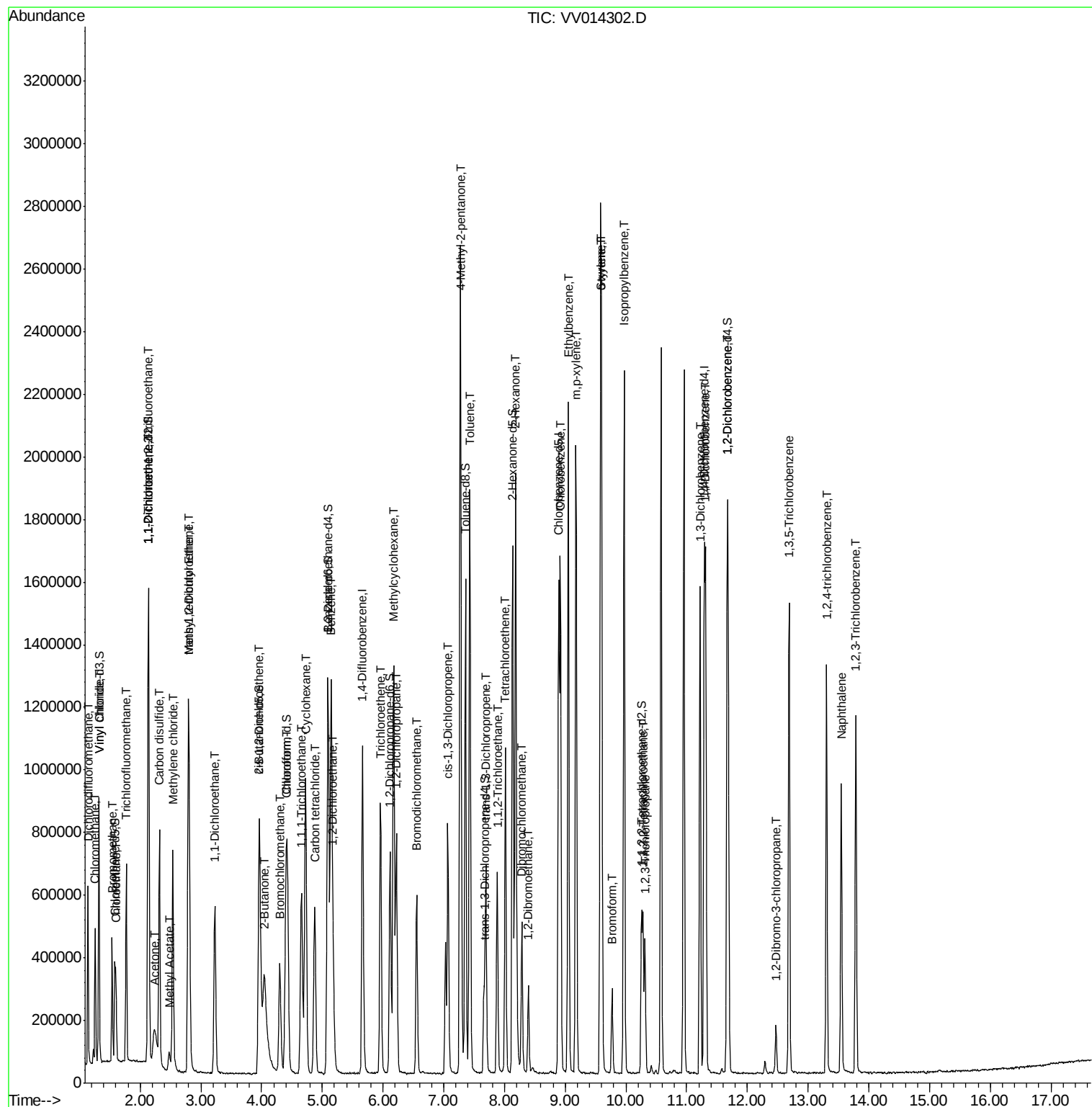
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	116059	4.709	ug/L	88
25) Chloroform	4.43	83	551437	4.969	ug/L	99
27) 1,2-Dichloroethane	5.18	62	322884	4.863	ug/L	96
29) 1,1,1-Trichloroethane	4.66	97	476480	4.978	ug/L	98
30) Cyclohexane	4.72	56	552451	5.228	ug/L	97
31) Carbon tetrachloride	4.87	117	401987	4.905	ug/L	99
33) Benzene	5.14	78	1233693	4.982	ug/L	100
34) Trichloroethene	5.96	95	319189	5.016	ug/L	98
35) Methylcyclohexane	6.17	83	546661	5.254	ug/L	97
37) 1,2-Dichloropropane	6.22	63	312109	4.994	ug/L	99
38) Bromodichloromethane	6.55	83	389589	4.834	ug/L	96
39) cis-1,3-Dichloropropene	7.07	75	486419	4.807	ug/L	100
40) 4-Methyl-2-pentanone	7.27	43	1931628	49.029	ug/L	99
42) Toluene	7.43	91	1308980	5.008	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	377437	4.857	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	200859	5.031	ug/L	97
47) Tetrachloroethene	8.02	164	216967	4.991	ug/L	97
48) 2-Hexanone	8.18	43	1348918	49.501	ug/L	98
49) Dibromochloromethane	8.29	129	241270	4.780	ug/L	98
50) 1,2-Dibromoethane	8.39	107	188230	4.869	ug/L	95
51) Chlorobenzene	8.92	112	802646	4.993	ug/L	98
52) Ethylbenzene	9.05	91	1494354	5.111	ug/L	100
53) m,p-xylene	9.18	106	548541	5.085	ug/L	98
54) o-xylene	9.58	106	534109	5.035	ug/L	96
55) Styrene	9.60	104	891113	4.959	ug/L	96
56) Isopropylbenzene	9.97	105	1440781	5.207	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	244563	4.967	ug/L	97
59) 1,2,3-Trichloropropane	10.31	75	181072	4.862	ug/L	100
61) Bromoform	9.77	173	118521	4.709	ug/L	98
62) 1,3-Dichlorobenzene	11.22	146	593650	5.114	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	584502	5.064	ug/L	98
65) 1,2-Dichlorobenzene	11.68	146	535379	5.107	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.47	75	43239	4.488	ug/L	89
67) 1,3,5-Trichlorobenzene	12.69	180	425304	5.038	ug/L	97
68) 1,2,4-trichlorobenzene	13.30	180	363647	4.912	ug/L	99
69) Naphthalene	13.55	128	700123	4.654	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	318643	4.891	ug/L	97

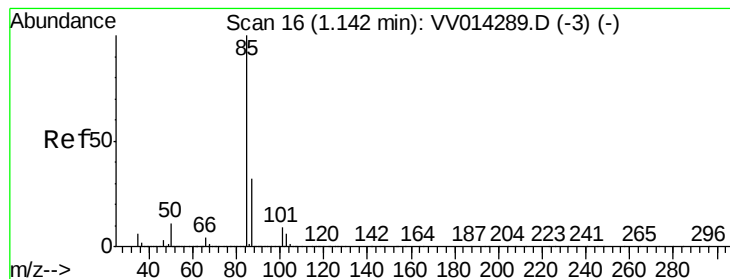
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV011420\
Data File : VV014302.D
Acq On : 14 Jan 2020 18:14
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampled :

Quant Time: Jan 14 22:23:40 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR010220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jan 14 22:19:33 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 4.411 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV014302.D

Acq: 14 Jan 2020 18:14

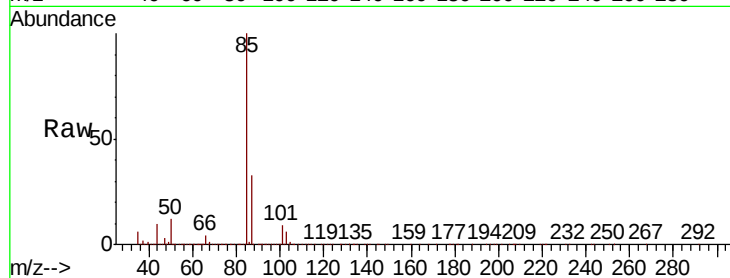
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 292875

Ion Ratio Lower Upper

85 100

87 32.8 25.1 37.7



Abundance Ion 85.00 (84.70 to 85.70): VV014289.D (-3) (-)

Ion 87.00 (86.70 to 87.70): VV014289.D (-3) (-)

1.14

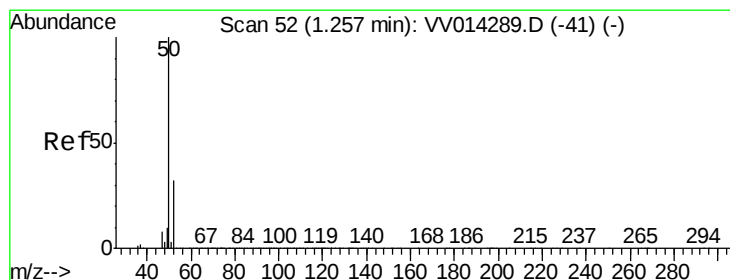
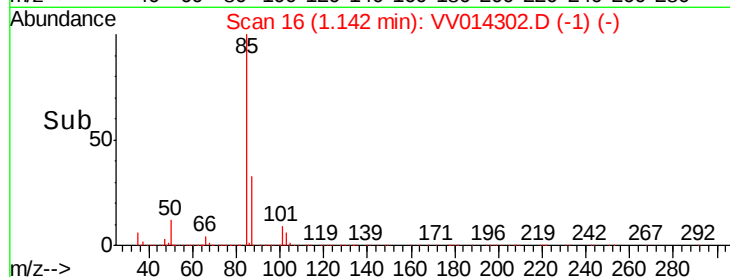
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 4.704 ug/L

RT: 1.26 min Scan# 52

Delta R.T. 0.00 min

Lab File: VV014302.D

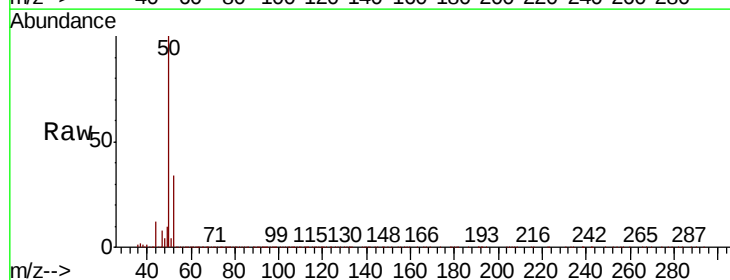
Acq: 14 Jan 2020 18:14

Tgt Ion: 50 Resp: 310470

Ion Ratio Lower Upper

50 100

52 33.9 22.3 41.3



Abundance Ion 50.05 (49.75 to 50.75): VV014289.D (-41) (-)

Ion 52.05 (51.75 to 52.75): VV014289.D (-41) (-)

1.26

300000

250000

200000

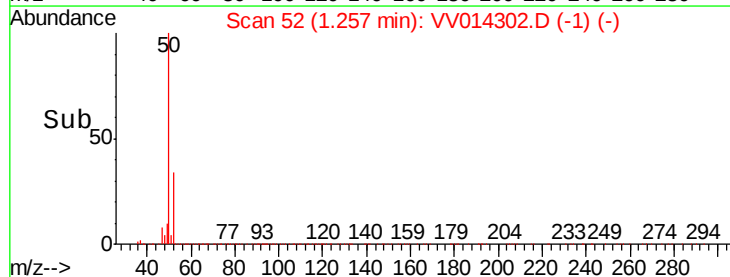
150000

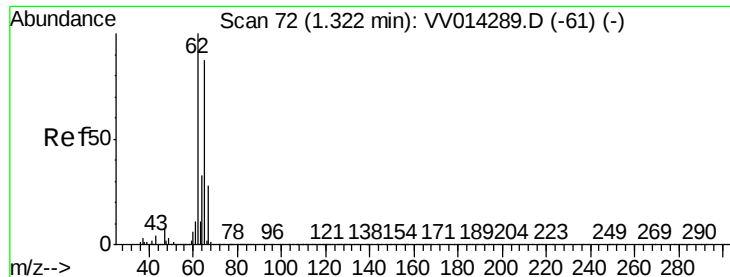
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 4.641 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV014302.D

Acq: 14 Jan 2020 18:14

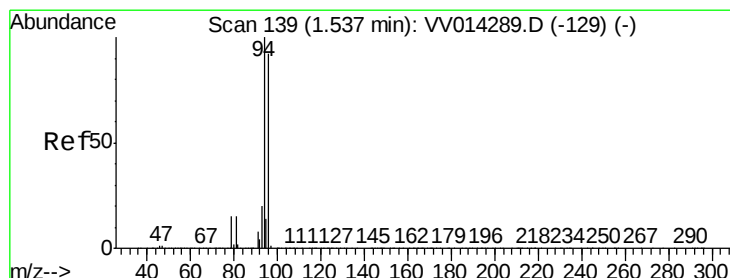
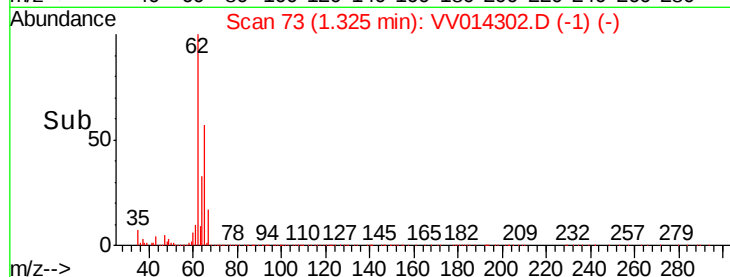
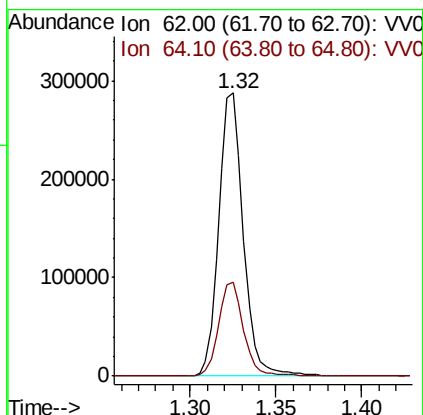
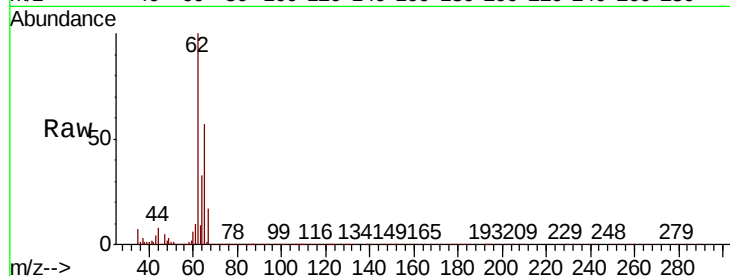
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 286031

Ion Ratio Lower Upper

62 100

64 33.0 23.0 42.6



#6

Bromomethane

Concen: 4.631 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV014302.D

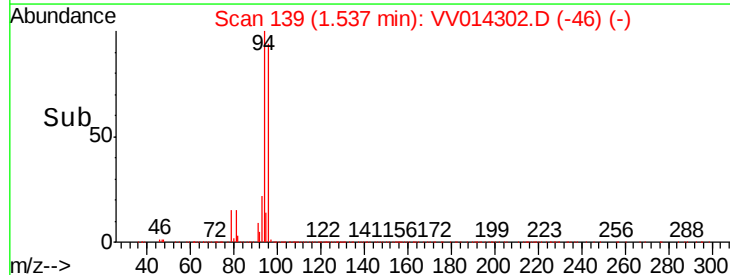
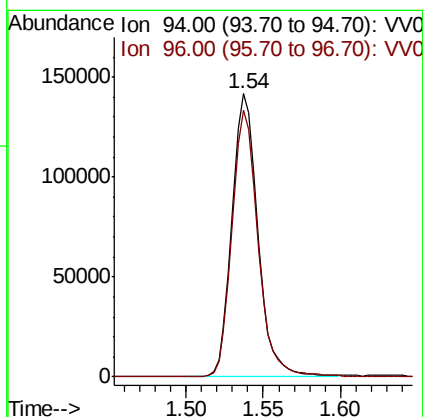
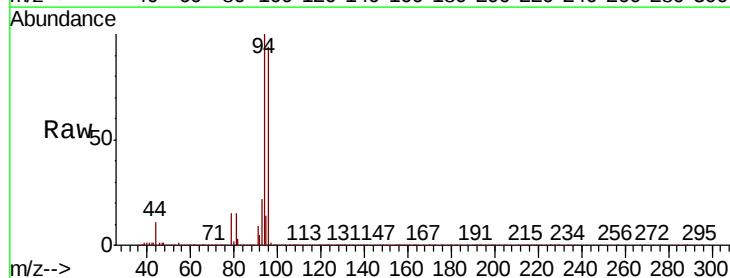
Acq: 14 Jan 2020 18:14

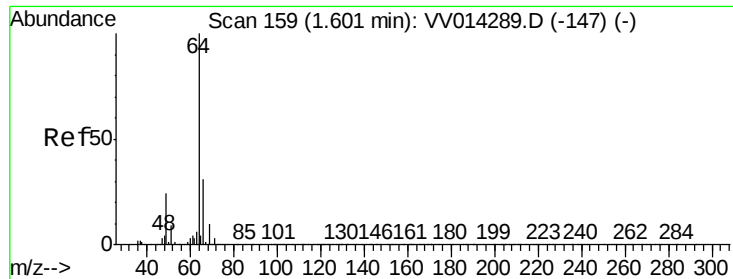
Tgt Ion: 94 Resp: 161941

Ion Ratio Lower Upper

94 100

96 94.0 66.9 124.3

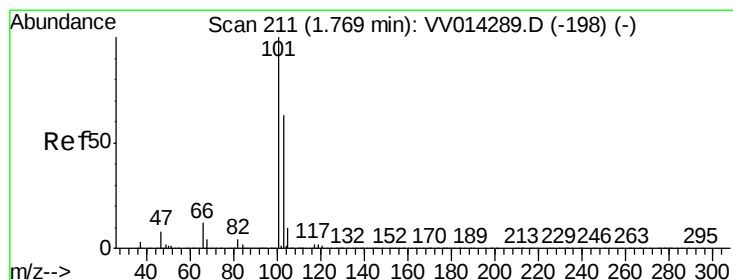
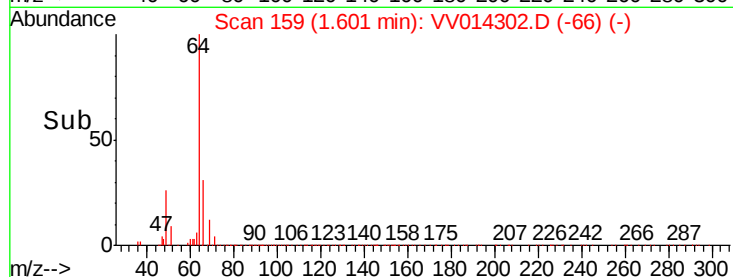
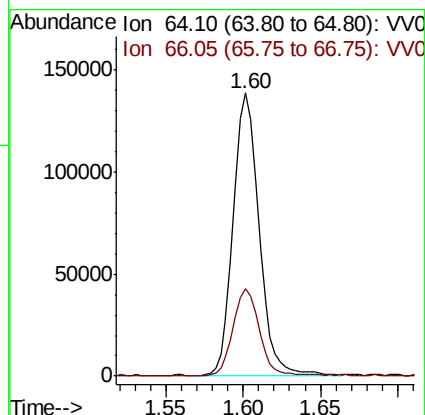
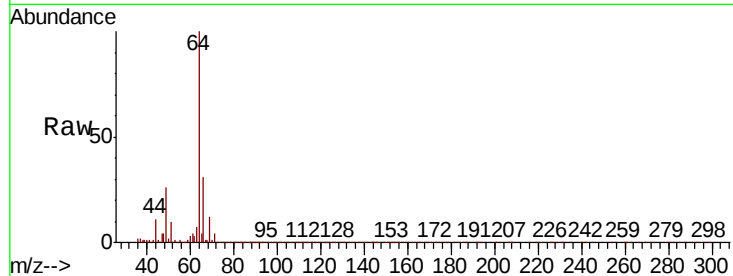




#8
Chloroethane
Concen: 4.653 ug/L
RT: 1.60 min Scan# 159
Delta R.T. 0.00 min
Lab File: VV014302.D
Acq: 14 Jan 2020 18:14

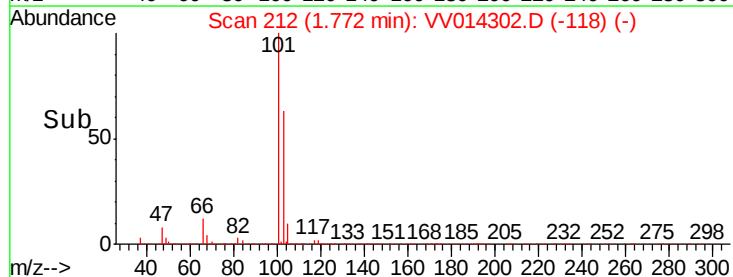
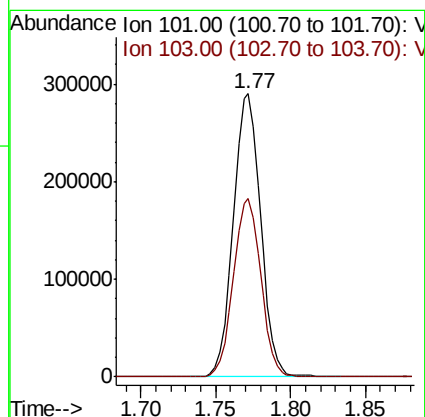
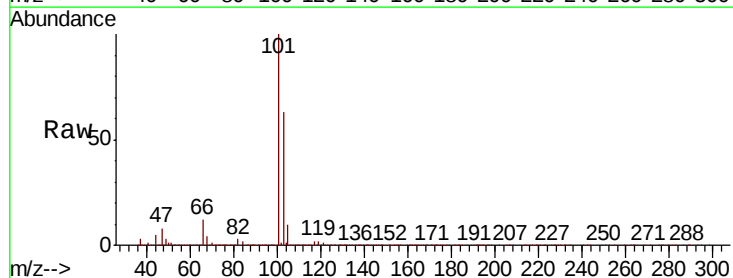
Instrument :
MSVOA_V
ClientSampleId :

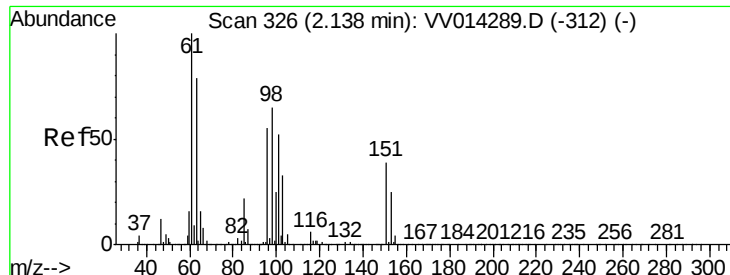
Tot Ion: 64 Resp: 161128
Ion Ratio Lower Upper
64 100
66 30.7 21.8 40.6



#9
Trichlorofluoromethane
Concen: 5.080 ug/L
RT: 1.77 min Scan# 212
Delta R.T. 0.00 min
Lab File: VV014302.D
Acq: 14 Jan 2020 18:14

Tgt Ion: 101 Resp: 369619
Ion Ratio Lower Upper
101 100
103 63.6 52.6 78.8





#10

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

Concen: 5.080 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV014302.D

Acq: 14 Jan 2020 18:14

Instrument :

MSVOA_V

ClientSampleId :

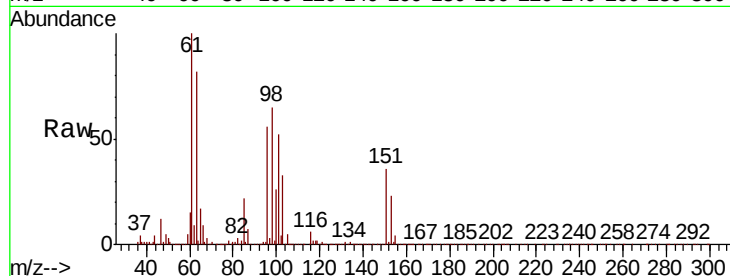
Tot Ion:101 Resp: 200212

Ion Ratio Lower Upper

101 100

85 42.7 34.9 52.3

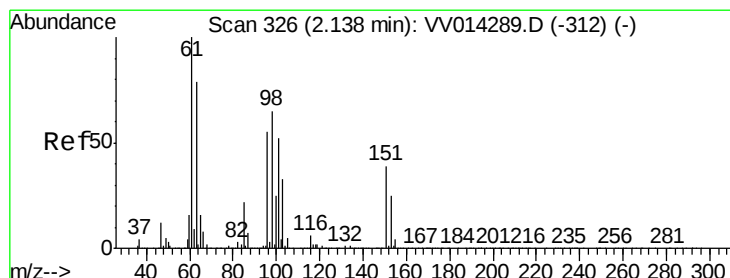
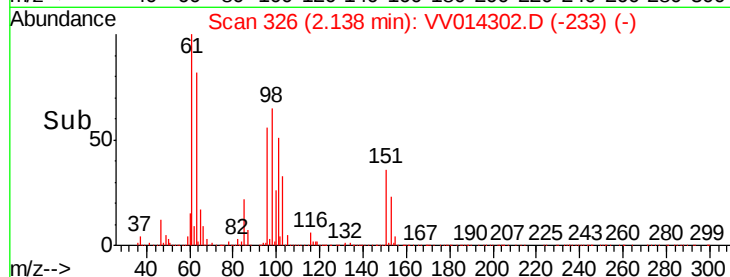
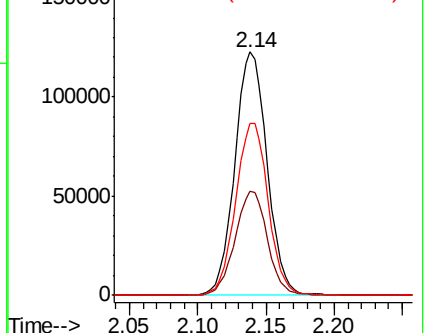
151 71.7 62.5 93.7



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: 4.774 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV014302.D

Acq: 14 Jan 2020 18:14

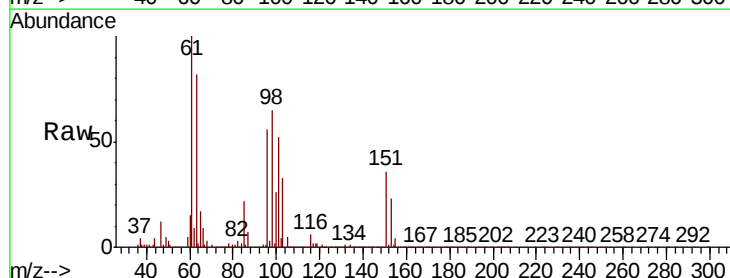
Tgt Ion: 96 Resp: 187853

Ion Ratio Lower Upper

96 100

61 177.7 121.5 225.7

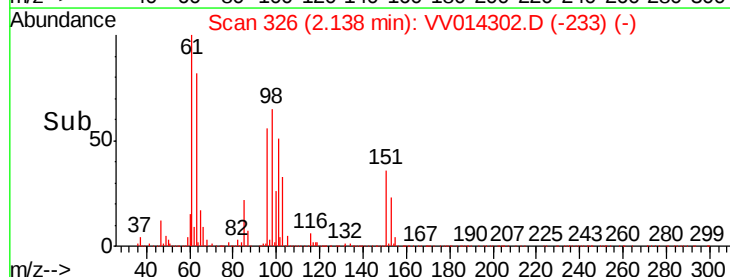
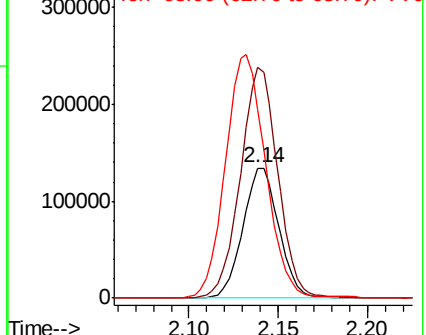
63 145.4 90.3 167.7

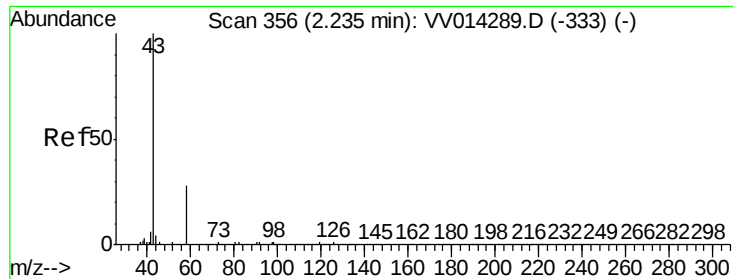


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 40.695 ug/L

RT: 2.23 min Scan# 356

Delta R.T. 0.00 min

Lab File: VV014302.D

Acq: 14 Jan 2020 18:14

Instrument :

MSVOA_V

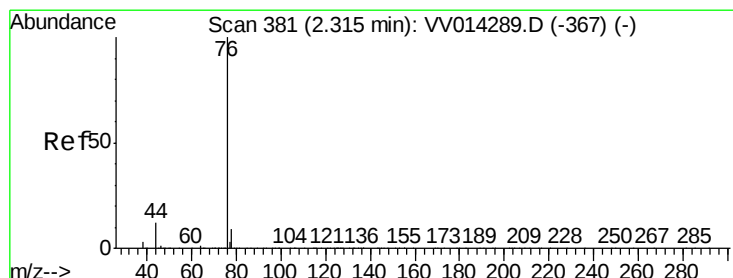
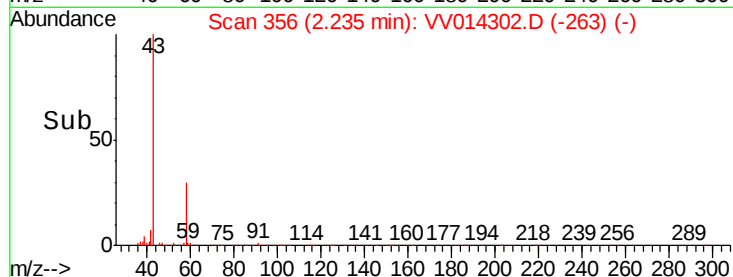
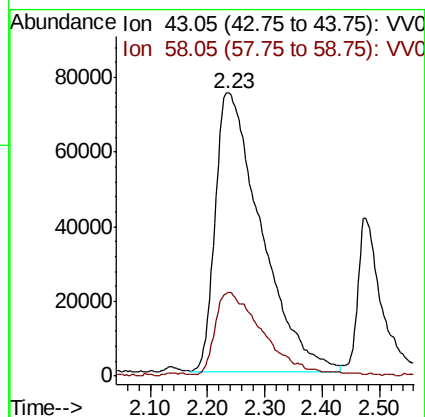
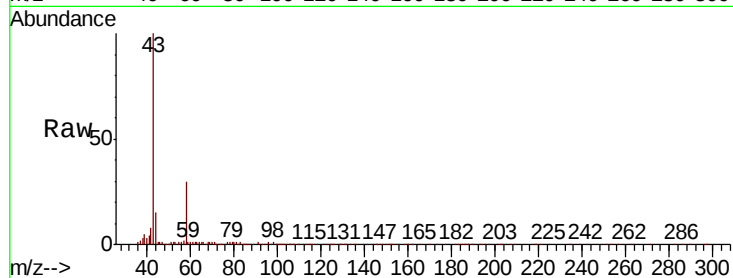
ClientSampleId :

Tot Ion: 43 Resp: 414833

Ion Ratio Lower Upper

43 100

58 29.1 0.0 66.0



#14

Carbon disulfide

Concen: 4.730 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV014302.D

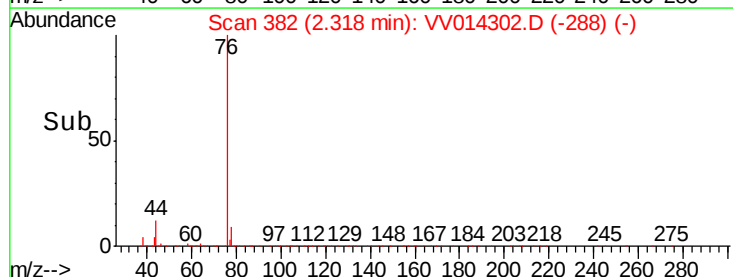
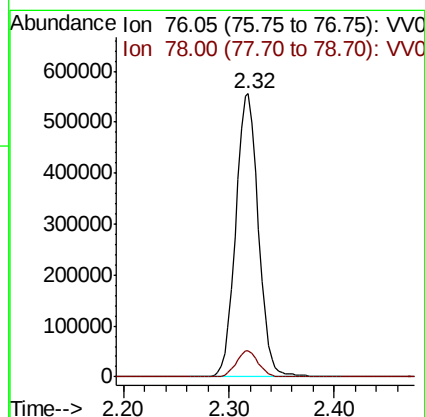
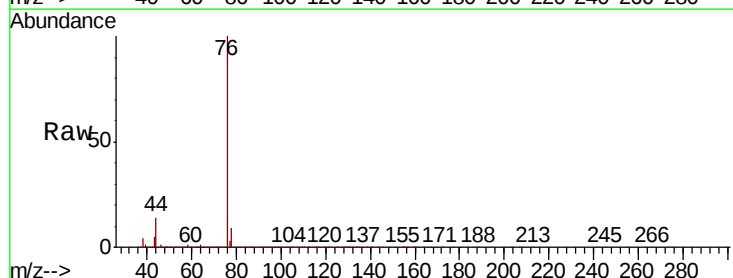
Acq: 14 Jan 2020 18:14

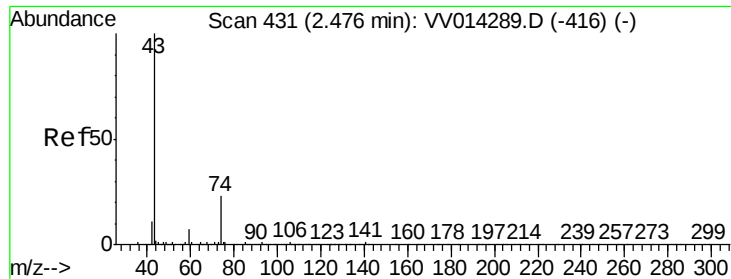
Tgt Ion: 76 Resp: 825820

Ion Ratio Lower Upper

76 100

78 9.2 7.5 11.3

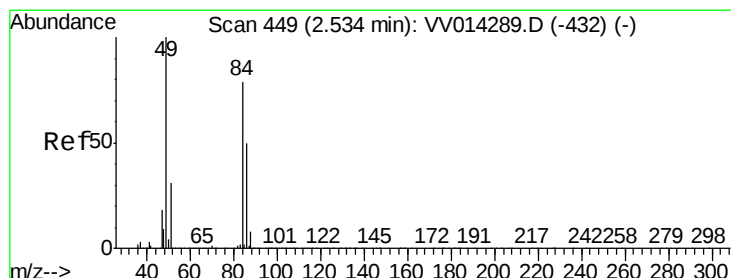
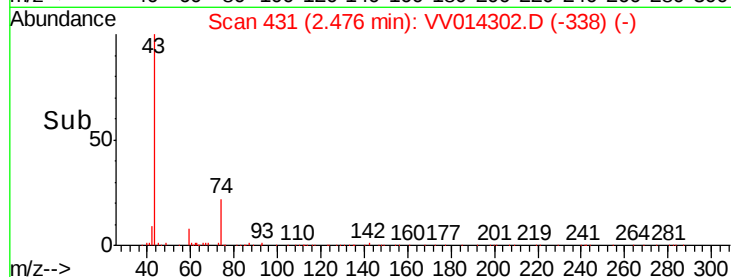
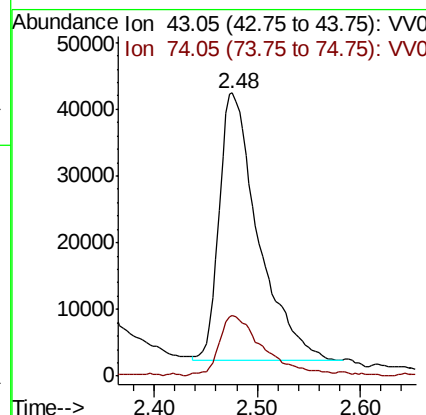
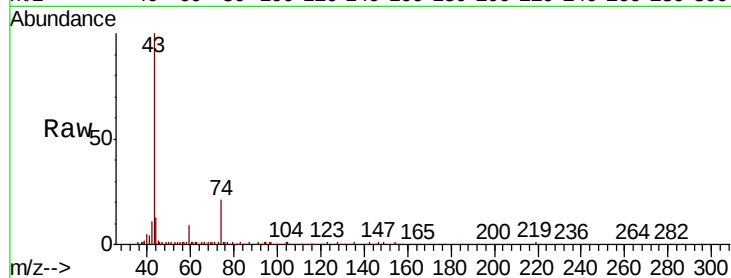




#15
Methyl Acetate
Concen: 4.441 ug/L
RT: 2.48 min Scan# 431
Delta R.T. 0.00 min
Lab File: VV014302.D
Acq: 14 Jan 2020 18:14

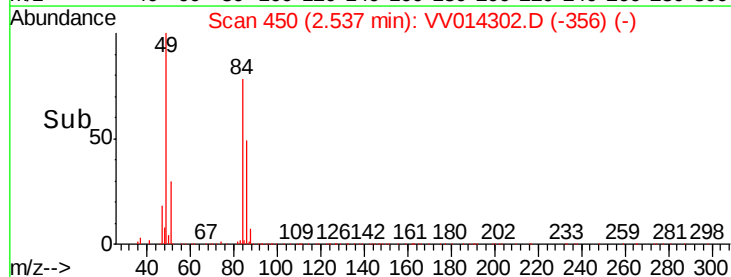
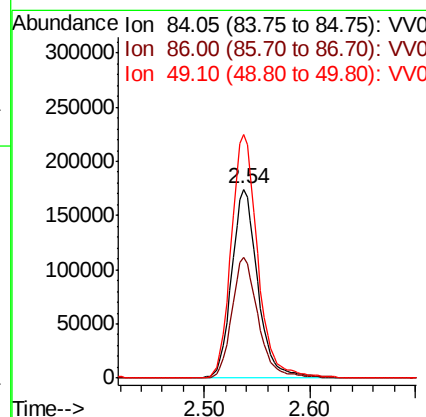
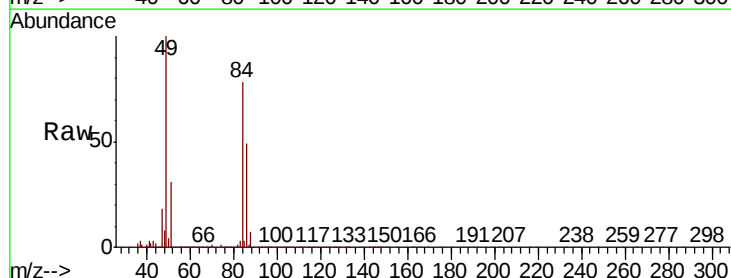
Instrument :
MSVOA_V
ClientSampleId :

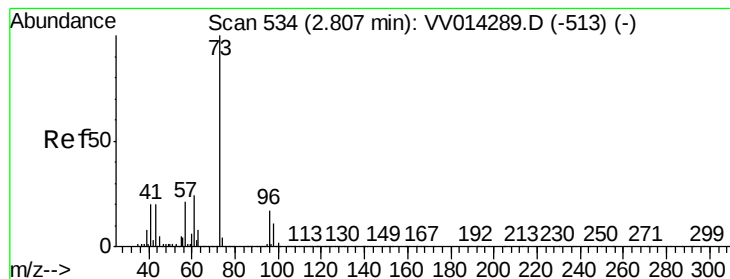
Tot Ion: 43 Resp: 105377
Ion Ratio Lower Upper
43 100
74 25.1 18.6 28.0



#16
Methylene chloride
Concen: 4.650 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV014302.D
Acq: 14 Jan 2020 18:14

Tgt Ion: 84 Resp: 297822
Ion Ratio Lower Upper
84 100
86 63.7 43.1 80.1
49 128.8 82.1 152.5



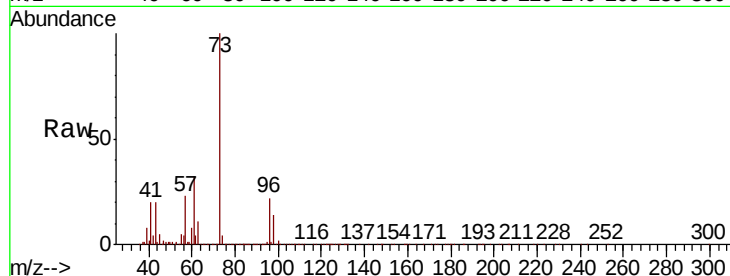


#17

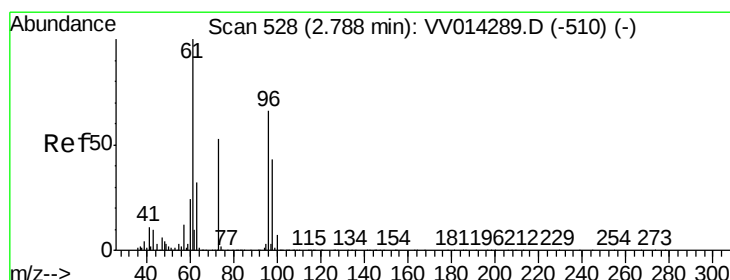
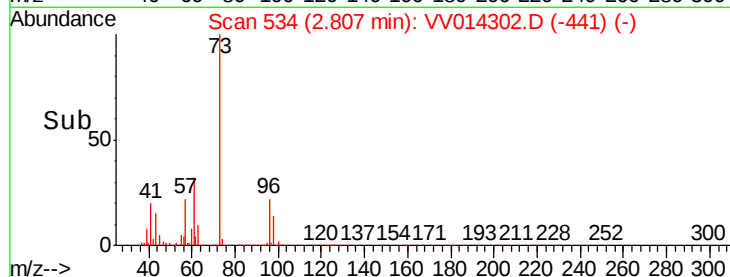
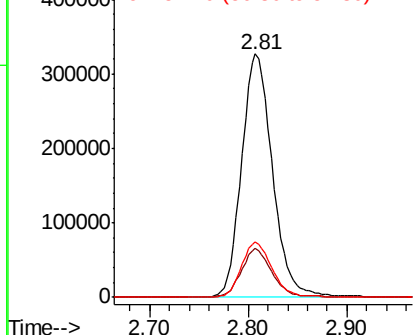
Methvl tert-butvl Ether
Concen: 4.857 ug/L
RT: 2.81 min Scan# 534
Delta R.T. 0.00 min
Lab File: VV014302.D
Acq: 14 Jan 2020 18:14

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
73	100		
43	19.3	14.7	22.1
57	22.4	17.9	26.9



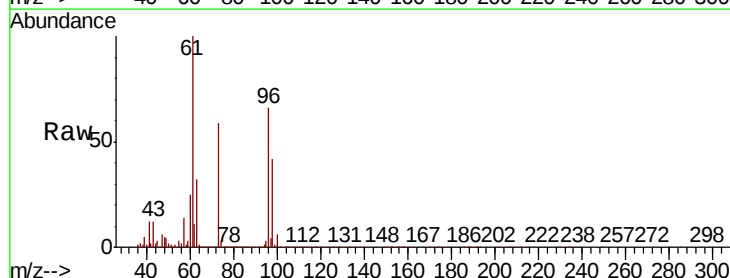
Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0



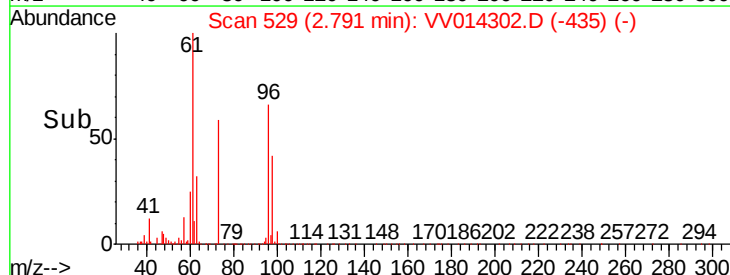
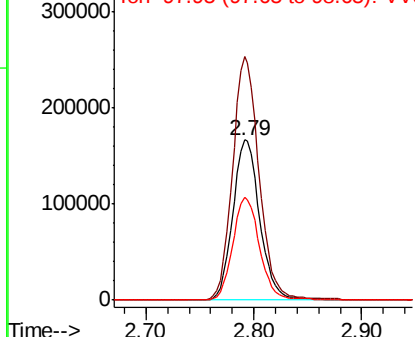
#18

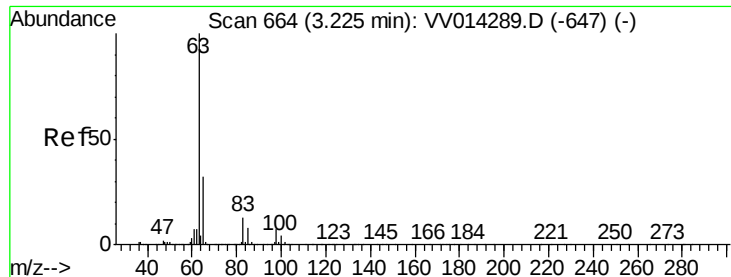
trans-1,2-Dichloroethene
Concen: 4.894 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV014302.D
Acq: 14 Jan 2020 18:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.3	99.2	184.2
98	64.1	43.1	80.1



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0

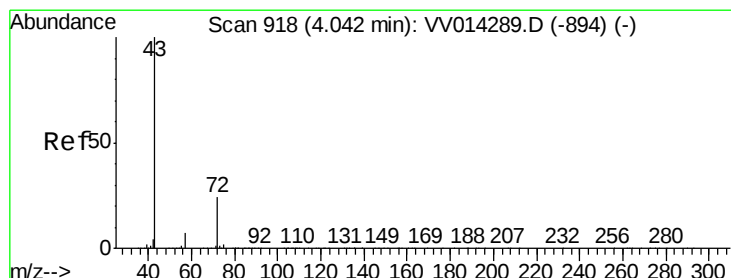
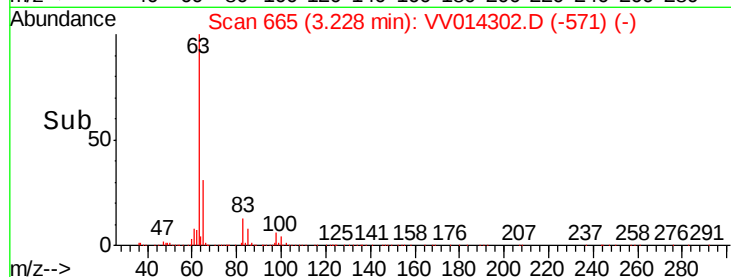
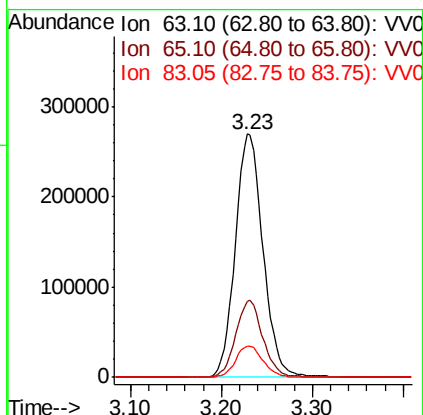
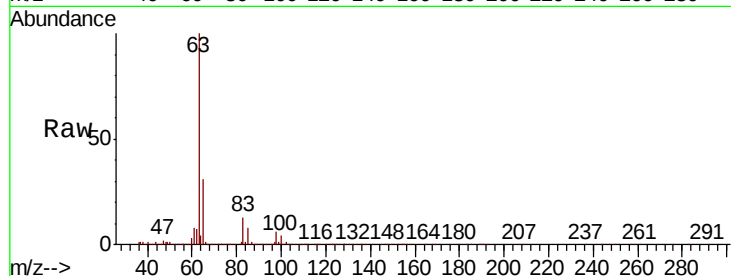




#19
 1,1-Dichloroethane
 Concen: 4.927 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV014302.D
 Acq: 14 Jan 2020 18:14

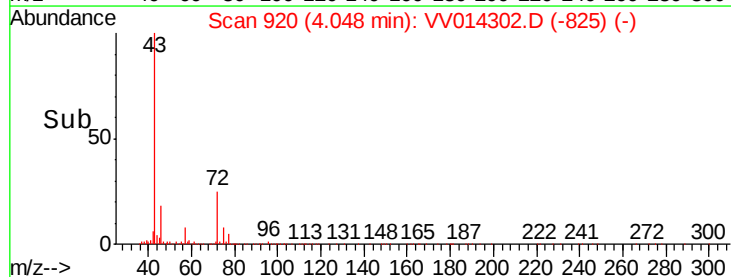
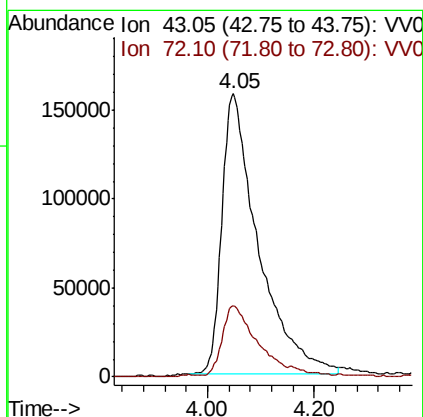
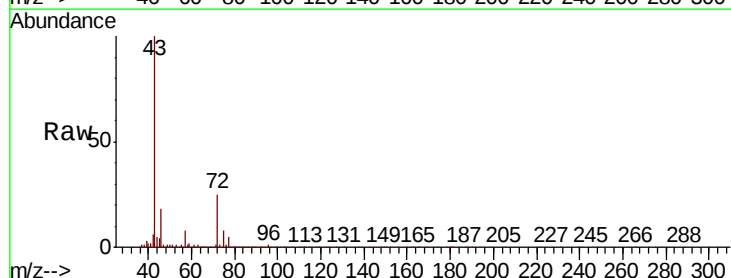
Instrument :
 MSVOA_V
 ClientSampleId :

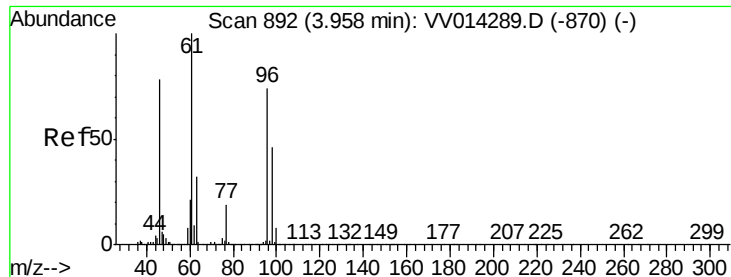
Tot Ion: 63 Resp: 571107
 Ion Ratio Lower Upper
 63 100
 65 31.1 22.7 42.3
 83 13.0 10.0 18.6



#21
 2-Butanone
 Concen: 49.040 ug/L
 RT: 4.05 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VV014302.D
 Acq: 14 Jan 2020 18:14

Tgt Ion: 43 Resp: 749851
 Ion Ratio Lower Upper
 43 100
 72 22.9 12.4 37.2



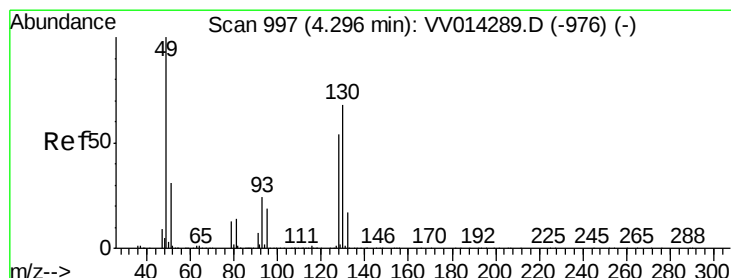
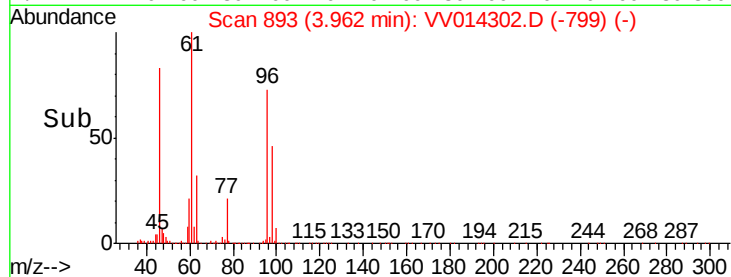
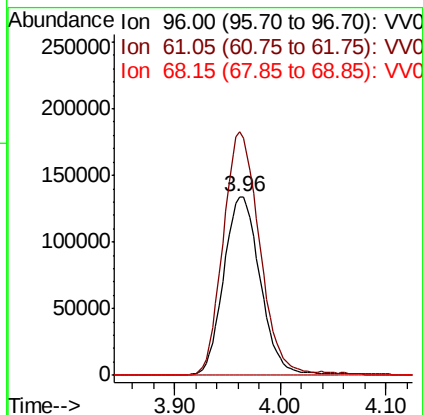
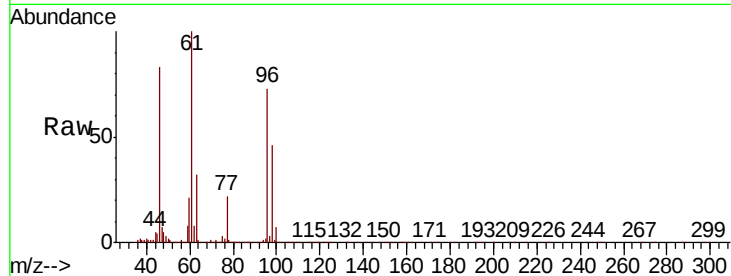


#22

cis-1,2-Dichloroethene
Concen: 4.974 ug/L
RT: 3.96 min Scan# 893
Delta R.T. 0.00 min
Lab File: VV014302.D
Acq: 14 Jan 2020 18:14

Instrument :
MSVOA_V
ClientSampleId :

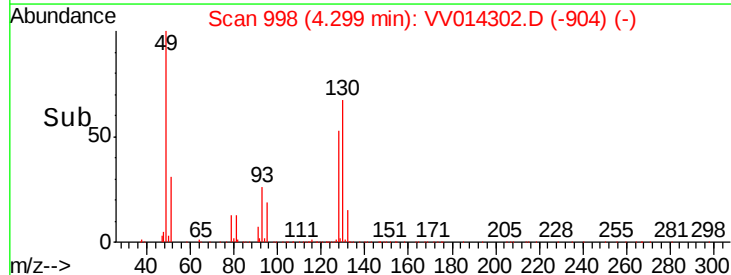
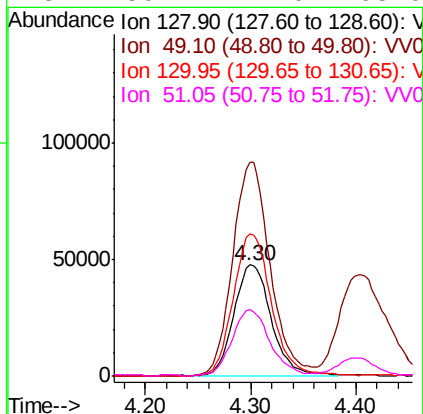
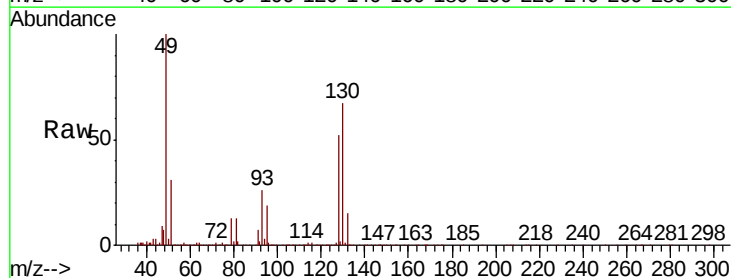
Tot Ion	Ratio	Lower	Upper
96	100		
61	136.4	90.6	168.3
68	0.1	0.3	0.7#

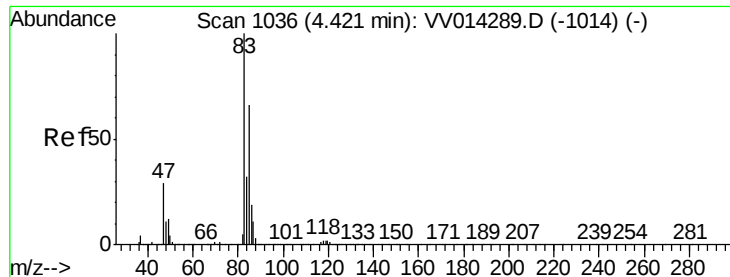


#23

Bromochloromethane
Concen: 4.709 ug/L
RT: 4.30 min Scan# 998
Delta R.T. 0.00 min
Lab File: VV014302.D
Acq: 14 Jan 2020 18:14

Tgt Ion	Ratio	Lower	Upper
128	100		
49	192.4	117.5	218.1
130	128.0	93.7	173.9
51	59.7	42.0	63.0

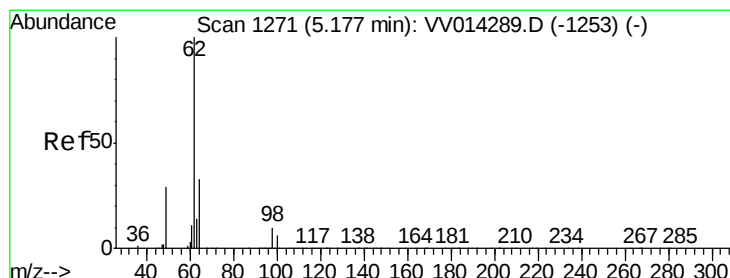
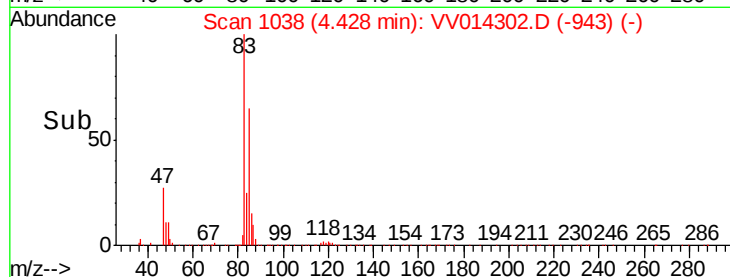
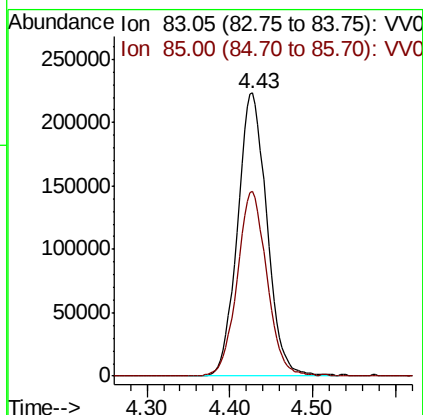
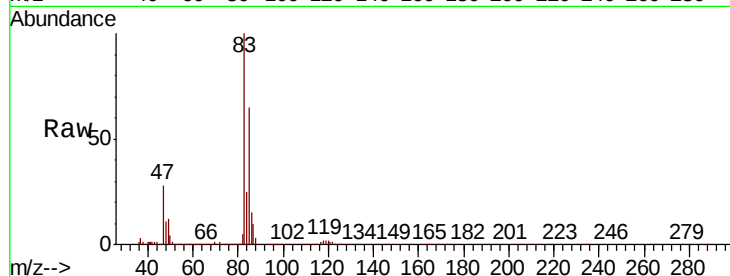




#25
Chloroform
Concen: 4.969 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.01 min
Lab File: VV014302.D
Acq: 14 Jan 2020 18:14

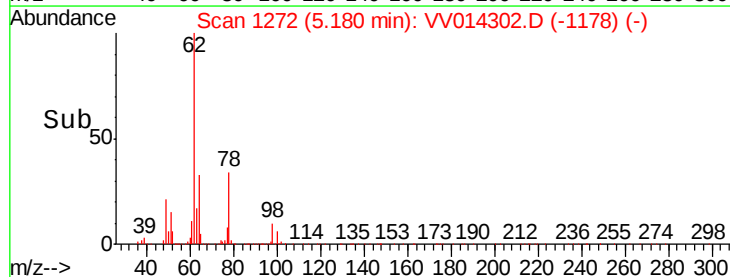
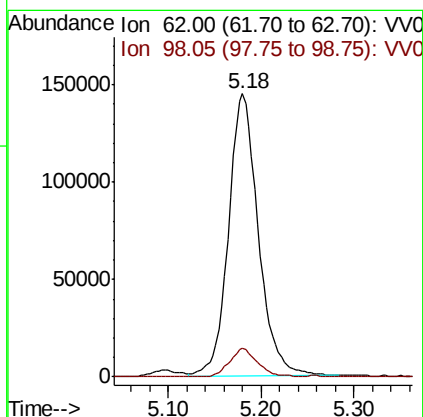
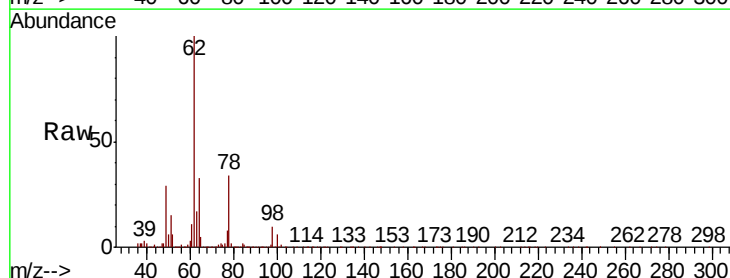
Instrument :
MSVOA_V
ClientSampleId :

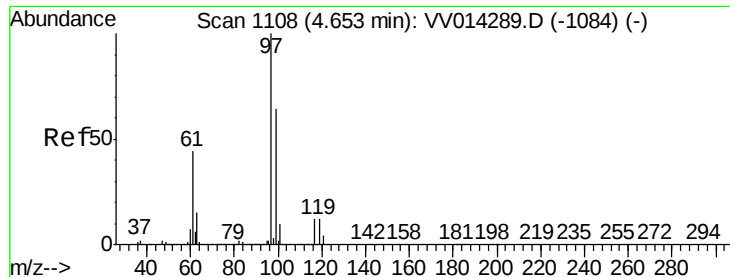
Tot Ion: 83 Resp: 551437
Ion Ratio Lower Upper
83 100
85 65.1 46.2 85.8



#27
1,2-Dichloroethane
Concen: 4.863 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV014302.D
Acq: 14 Jan 2020 18:14

Tgt Ion: 62 Resp: 322884
Ion Ratio Lower Upper
62 100
98 10.1 9.2 13.8

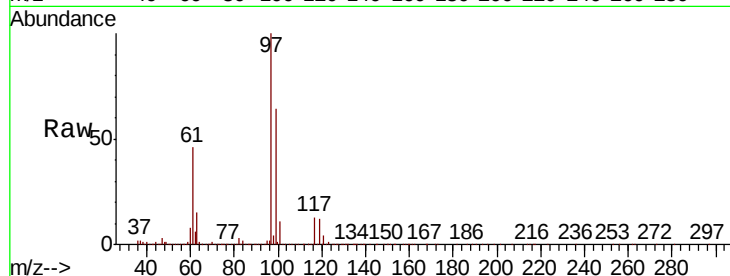




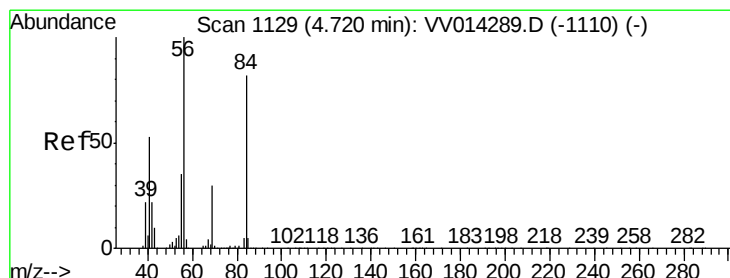
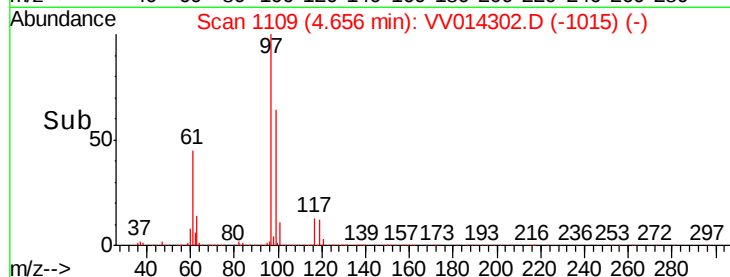
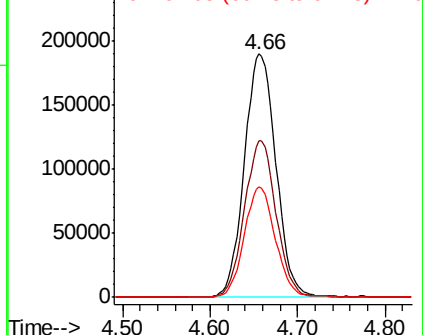
#29
 1,1,1-Trichloroethane
 Concen: 4.978 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. 0.00 min
 Lab File: VV014302.D
 Acq: 14 Jan 2020 18:14

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.1	76.7
61	44.8	33.9	50.9

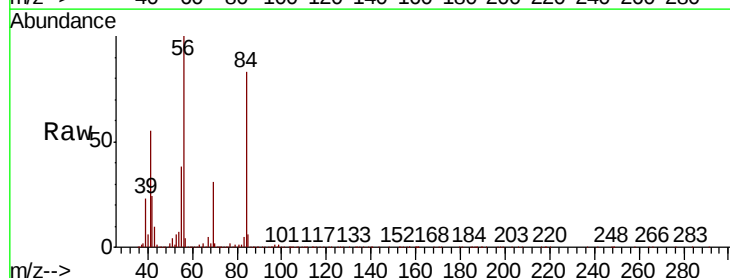


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

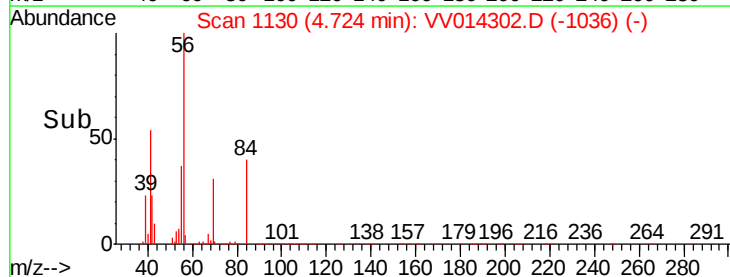
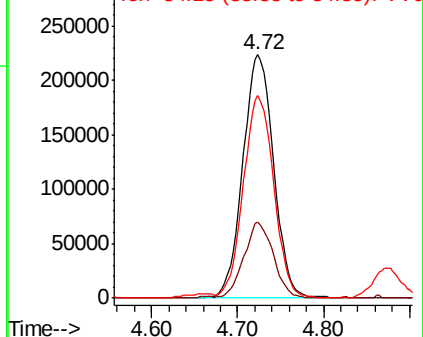


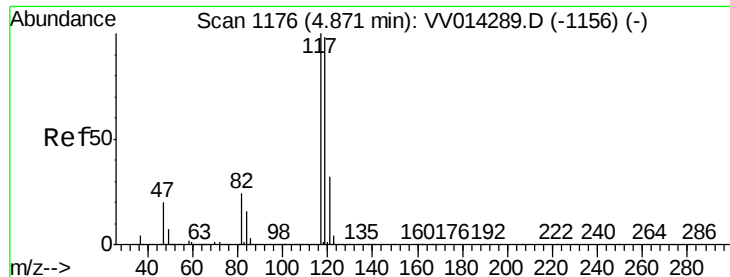
#30
 Cyclohexane
 Concen: 5.228 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. 0.00 min
 Lab File: VV014302.D
 Acq: 14 Jan 2020 18:14

Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.3	23.9	35.9
84	82.7	68.9	103.3



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

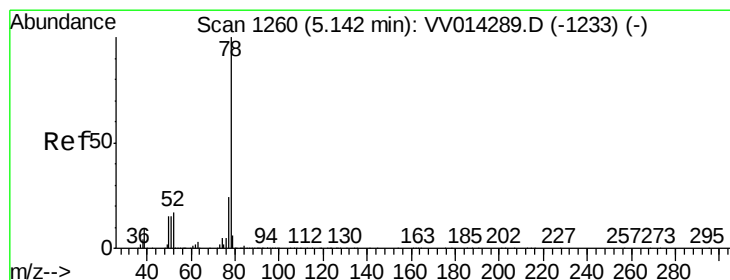
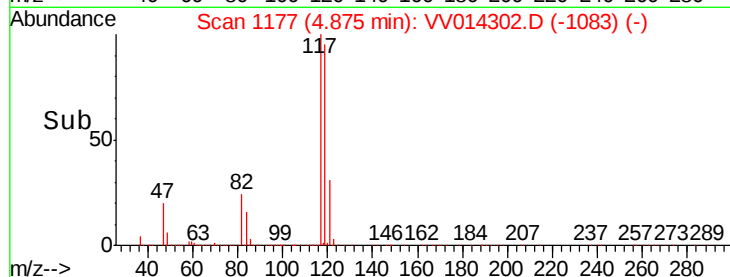
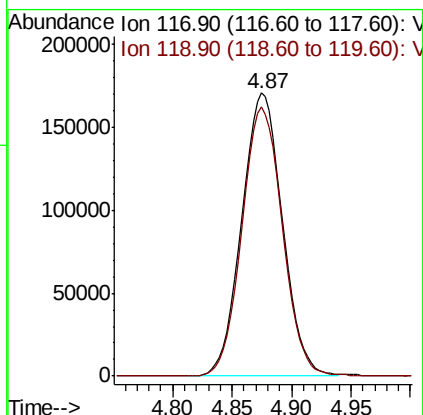
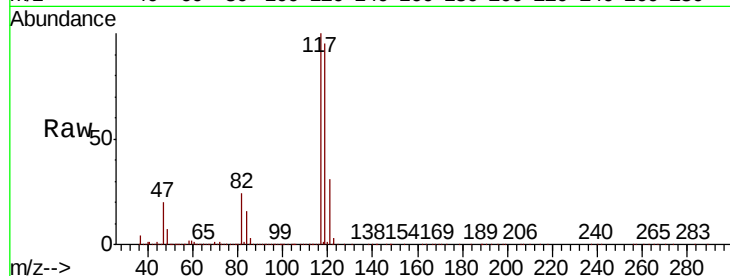




#31
Carbon tetrachloride
Concen: 4.905 ug/L
RT: 4.87 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VV014302.D
Acq: 14 Jan 2020 18:14

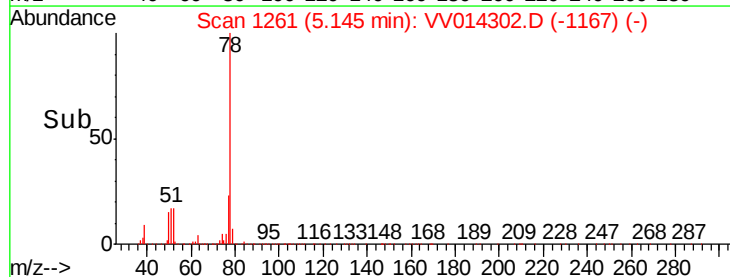
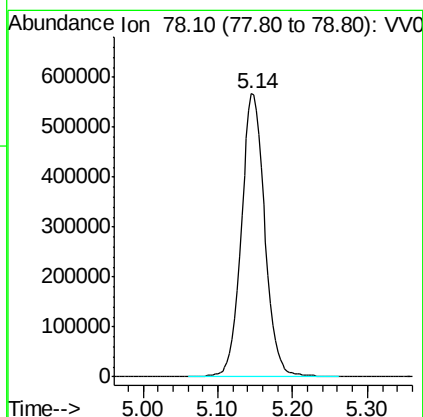
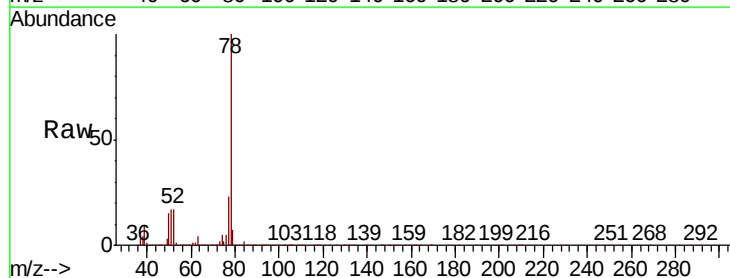
Instrument :
MSVOA_V
ClientSampleId :

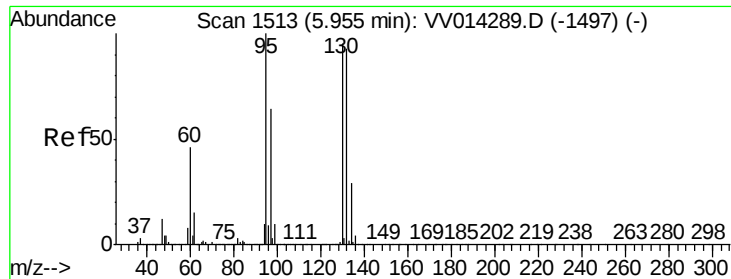
Tot Ion:117 Resp: 401987
Ion Ratio Lower Upper
117 100
119 95.3 76.8 115.2



#33
Benzene
Concen: 4.982 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VV014302.D
Acq: 14 Jan 2020 18:14

Tgt Ion: 78 Resp: 1233693

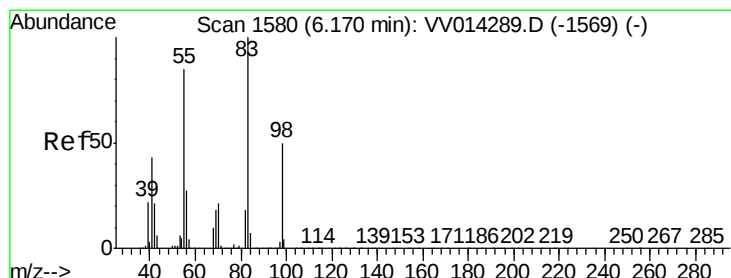
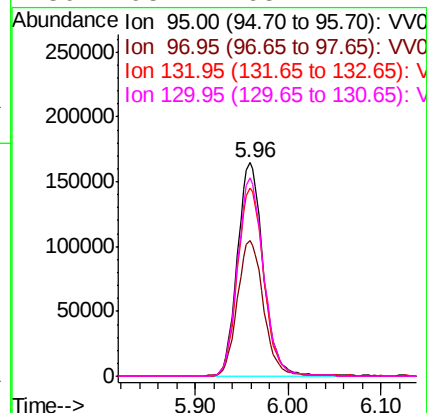
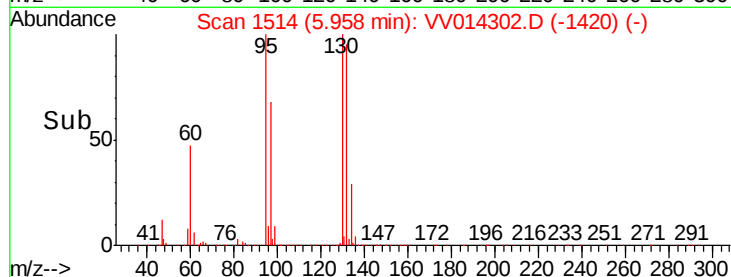
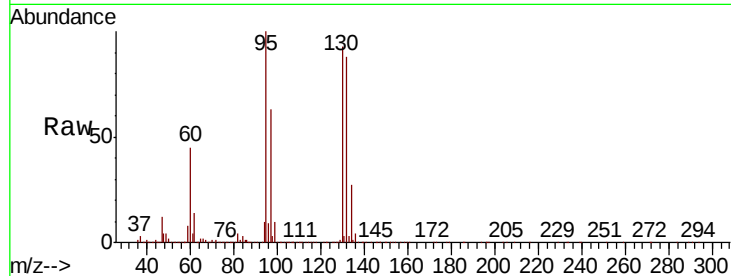




#34
 Trichloroethene
 Concen: 5.016 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV014302.D
 Acq: 14 Jan 2020 18:14

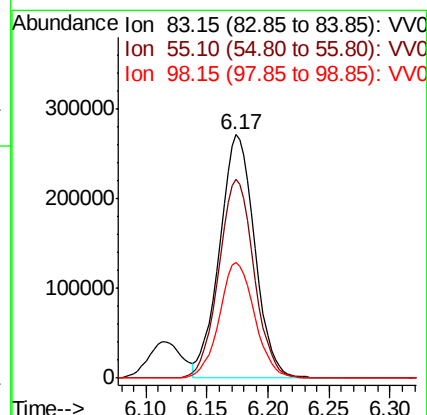
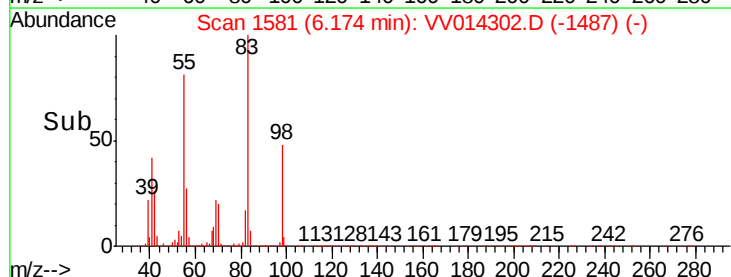
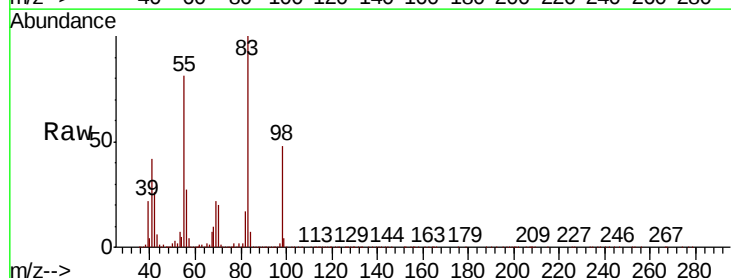
Instrument :
 MSVOA_V
 ClientSampled :

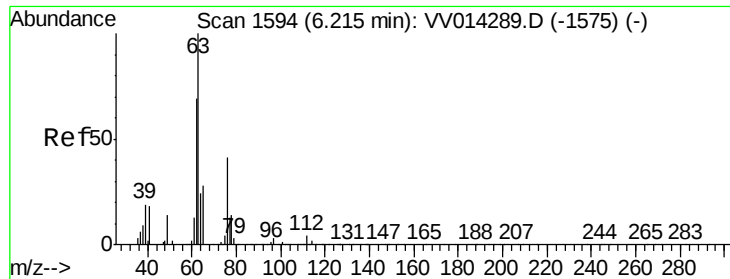
Tot Ion:	95	Resp:	319189
Ion	Ratio	Lower	Upper
95	100		
97	63.3	43.8	81.3
132	88.2	63.4	117.8
130	93.1	65.7	122.1



#35
 Methylcyclohexane
 Concen: 5.254 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: VV014302.D
 Acq: 14 Jan 2020 18:14

Tgt Ion:	83	Resp:	546661
Ion	Ratio	Lower	Upper
83	100		
55	81.7	61.7	92.5
98	47.7	38.1	57.1

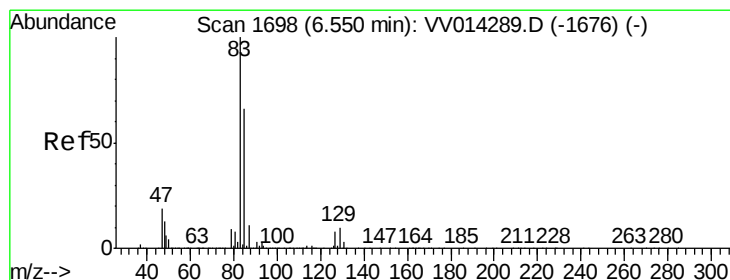
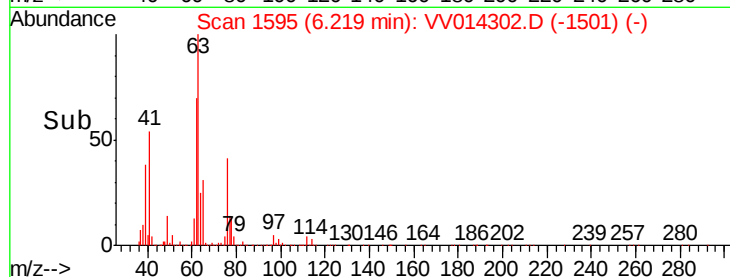
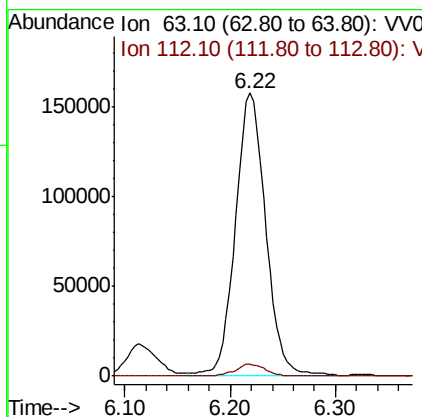
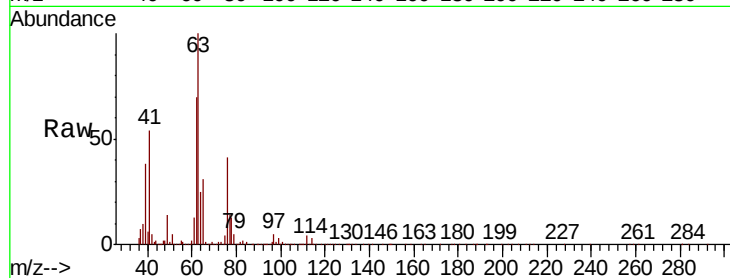




#37
 1,2-Dichloropropane
 Concen: 4.994 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV014302.D
 Acq: 14 Jan 2020 18:14

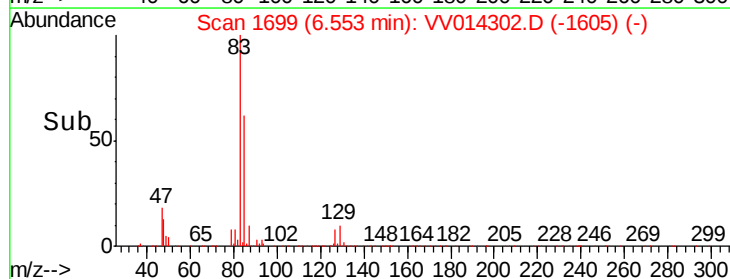
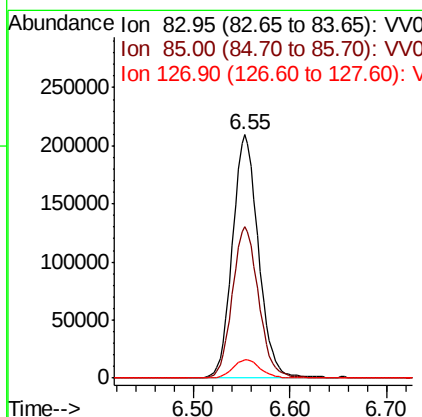
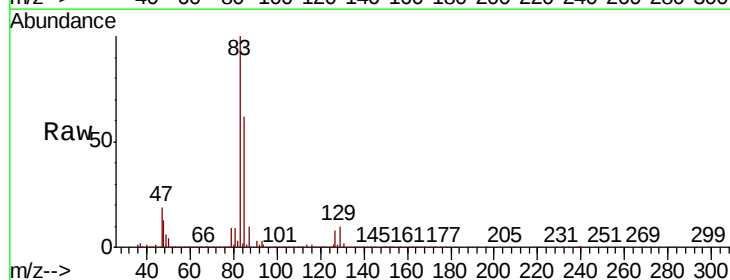
Instrument :
 MSVOA_V
 ClientSampleId :

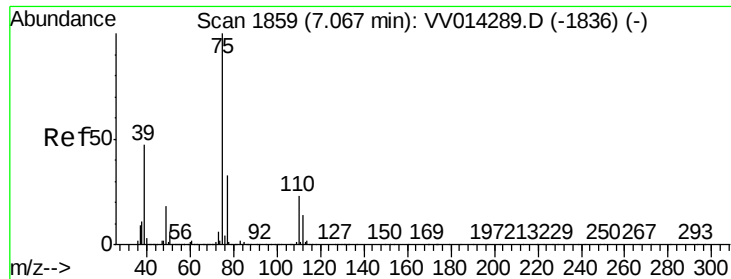
Tot Ion: 63 Resp: 312109
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.7 5.5



#38
 Bromodichloromethane
 Concen: 4.834 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV014302.D
 Acq: 14 Jan 2020 18:14

Tgt Ion: 83 Resp: 389589
 Ion Ratio Lower Upper
 83 100
 85 62.5 46.4 86.2
 127 7.6 6.3 9.5

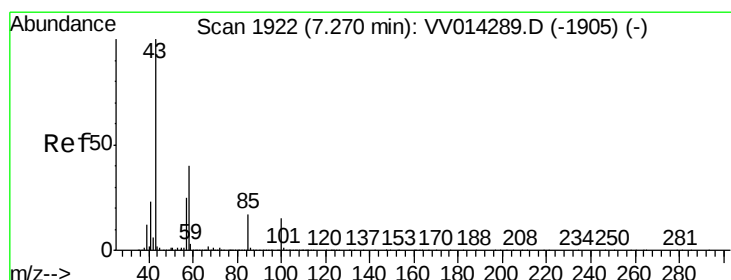
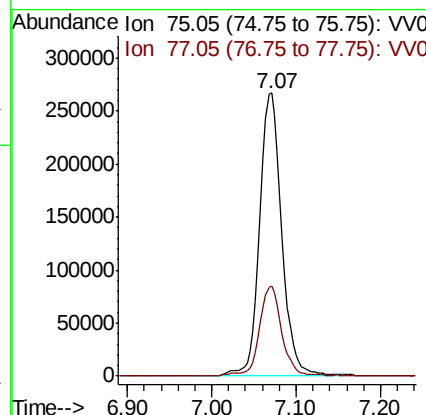
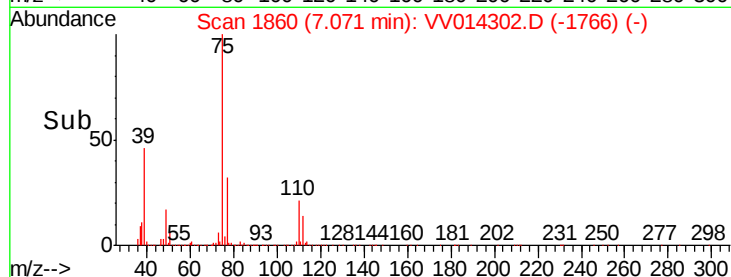
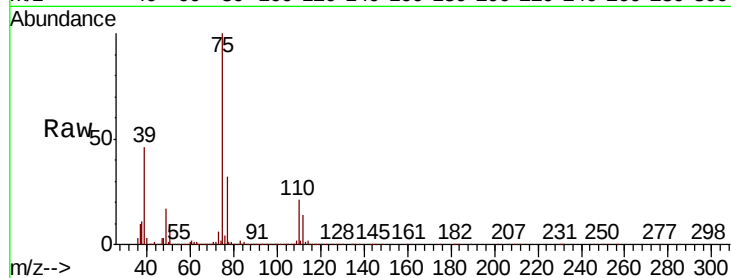




#39
 cis-1,3-Dichloropropene
 Concen: 4.807 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV014302.D
 Acq: 14 Jan 2020 18:14

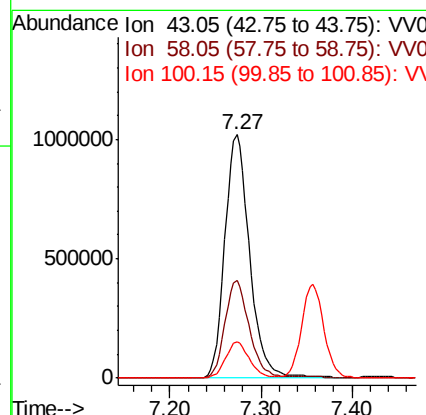
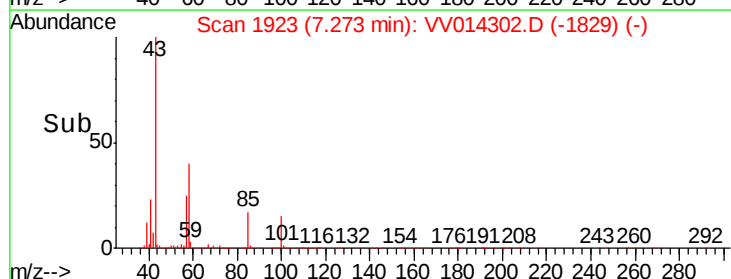
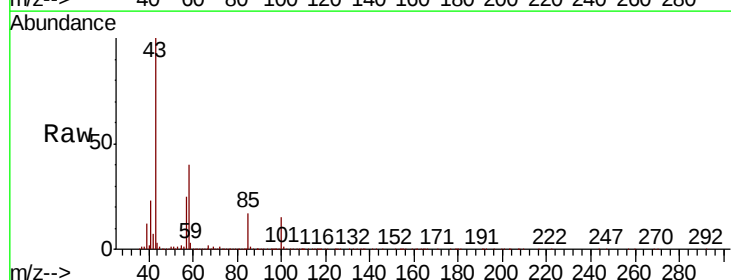
Instrument :
 MSVOA_V
 ClientSampleId :

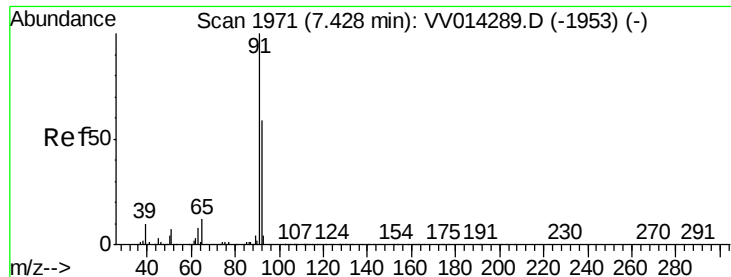
Tot Ion: 75 Resp: 486419
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 49.029 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VV014302.D
 Acq: 14 Jan 2020 18:14

Tgt Ion: 43 Resp: 1931628
 Ion Ratio Lower Upper
 43 100
 58 39.4 31.5 47.3
 100 14.3 12.2 18.2





#42

Toluene

Concen: 5.008 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV014302.D

Acq: 14 Jan 2020 18:14

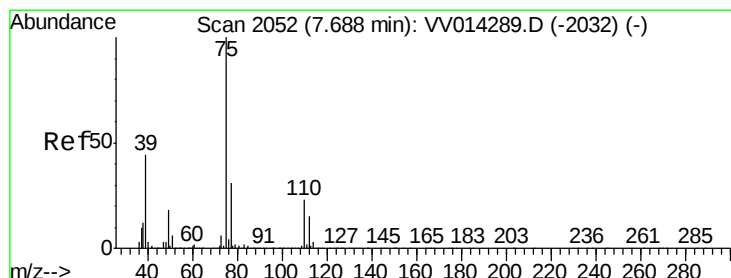
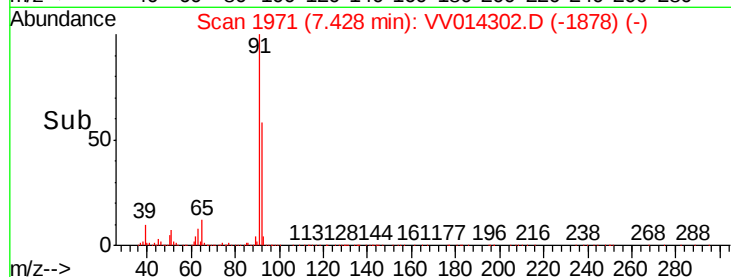
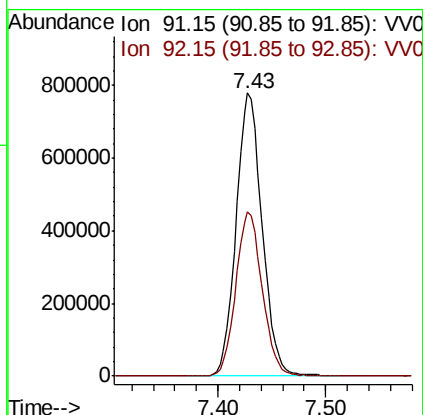
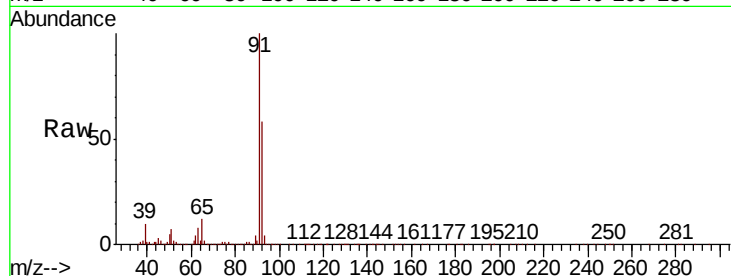
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 1308980

Ion Ratio Lower Upper

91 100

92 57.9 41.2 76.6



#44

trans-1,3-Dichloropropene

Concen: 4.857 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV014302.D

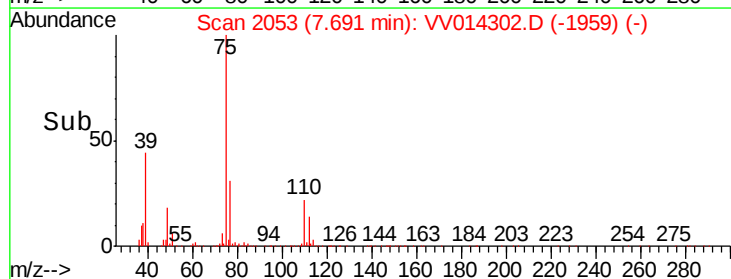
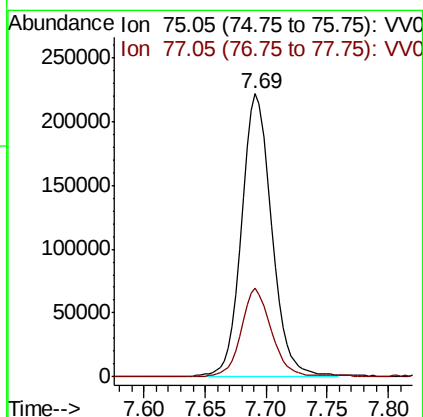
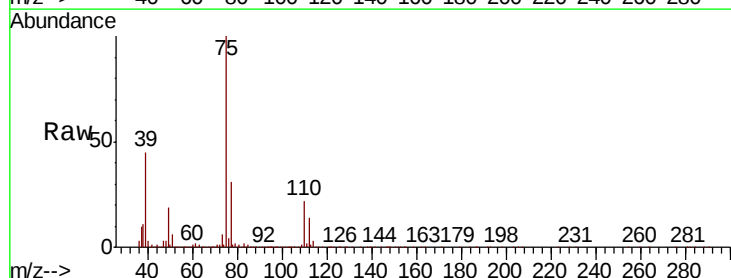
Acq: 14 Jan 2020 18:14

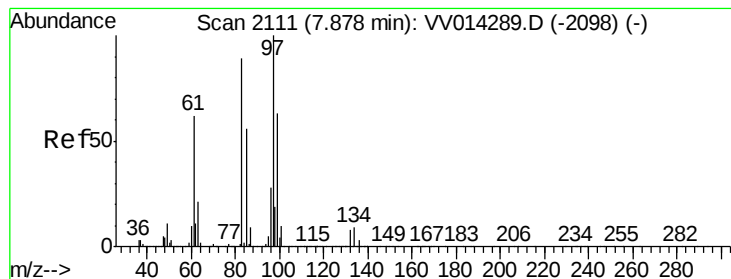
Tgt Ion: 75 Resp: 377437

Ion Ratio Lower Upper

75 100

77 31.2 22.0 41.0





#45

1,1,2-Trichloroethane

Concen: 5.031 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VV014302.D

Acq: 14 Jan 2020 18:14

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 97 Resp: 200859

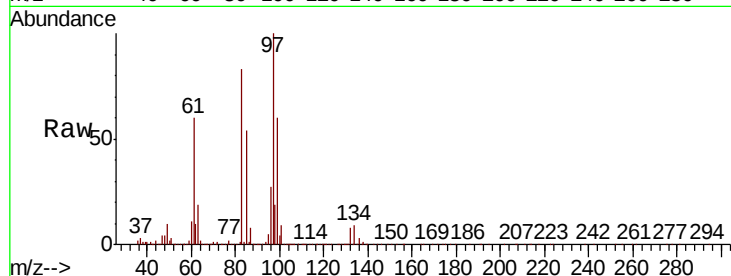
Ion Ratio Lower Upper

97 100

99 60.2 43.7 81.1

83 83.4 60.0 111.4

85 54.4 39.2 72.8

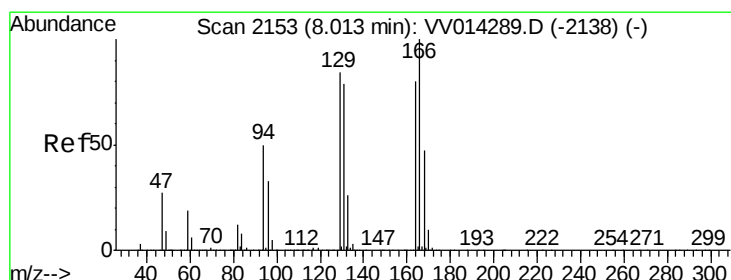
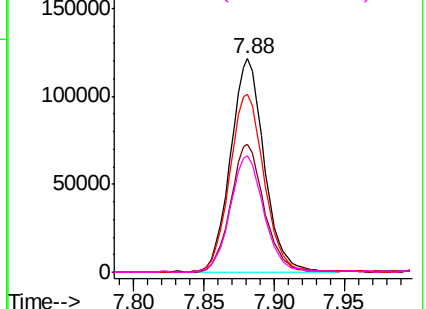
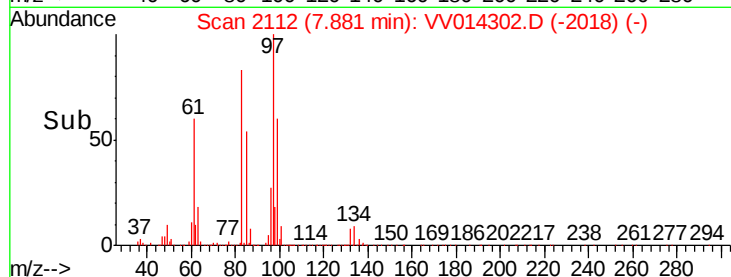


Abundance Ion 96.95 (96.65 to 97.65): VV014302.D (-2018) (-)

Ion 99.05 (98.75 to 99.75): VV014302.D (-2018) (-)

Ion 82.95 (82.65 to 83.65): VV014302.D (-2018) (-)

Ion 85.00 (84.70 to 85.70): VV014302.D (-2018) (-)



#47

Tetrachloroethene

Concen: 4.991 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV014302.D

Acq: 14 Jan 2020 18:14

Tgt Ion: 164 Resp: 216967

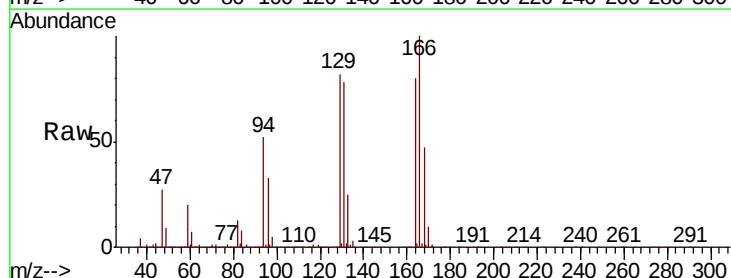
Ion Ratio Lower Upper

164 100

129 102.6 71.7 133.3

131 96.7 70.4 130.8

166 124.6 90.3 167.7

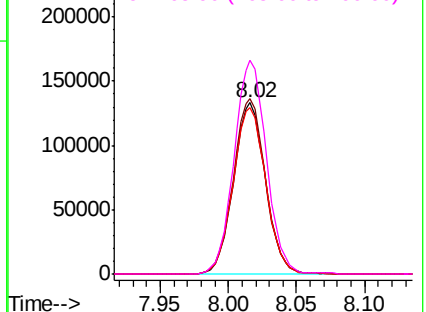
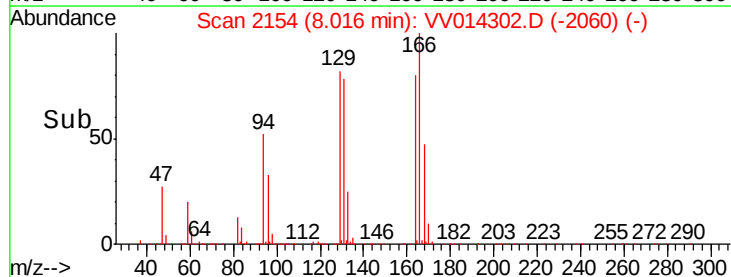


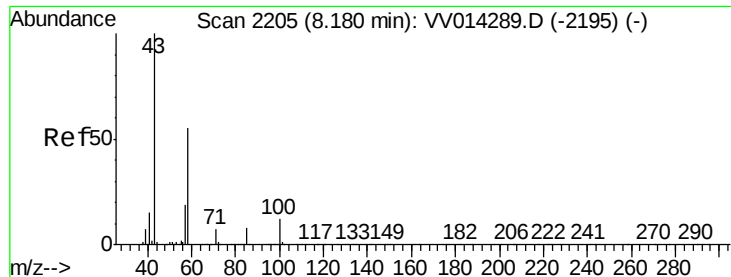
Abundance Ion 163.90 (163.60 to 164.60): VV014302.D (-2060) (-)

Ion 128.95 (128.65 to 129.65): VV014302.D (-2060) (-)

Ion 130.95 (130.65 to 131.65): VV014302.D (-2060) (-)

Ion 165.90 (165.60 to 166.60): VV014302.D (-2060) (-)

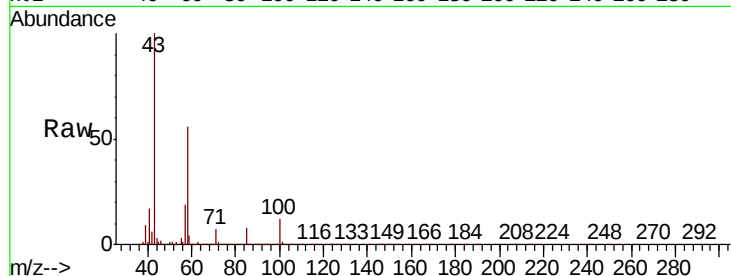




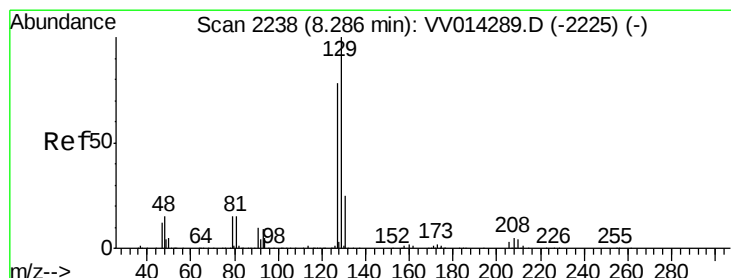
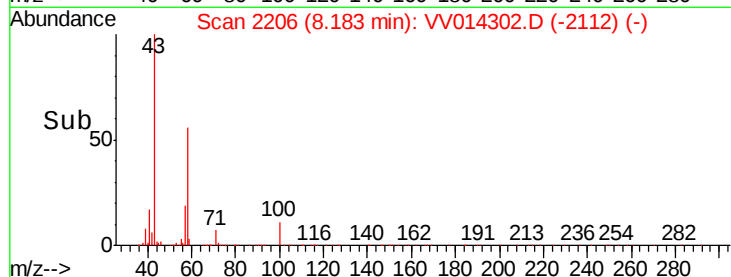
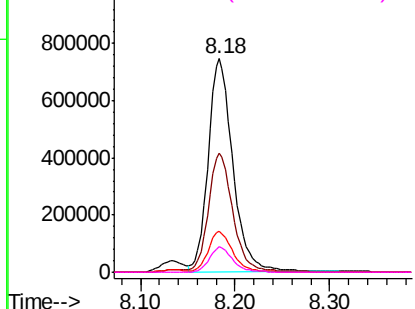
#48
2-Hexanone
Concen: 49.501 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV014302.D
Acq: 14 Jan 2020 18:14

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 1348918
Ion Ratio Lower Upper
43 100
58 57.4 45.4 68.0
57 18.7 15.8 23.8
100 11.4 10.2 15.4

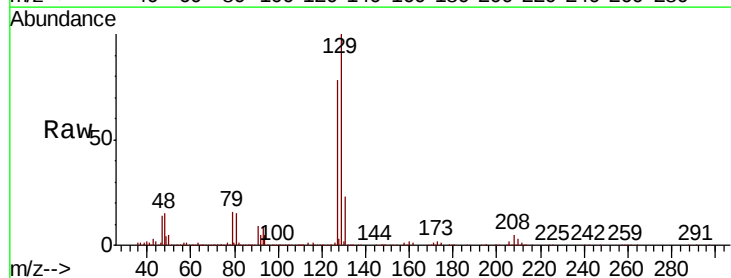


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

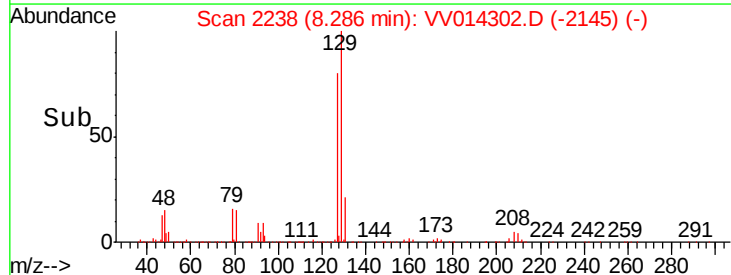
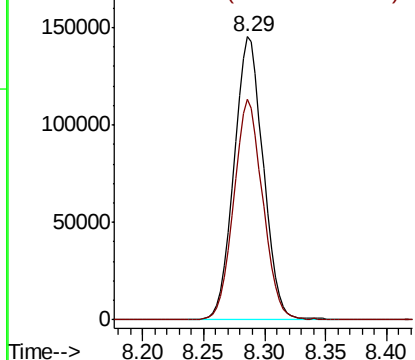


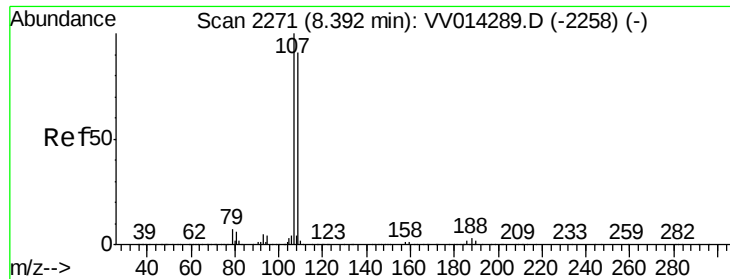
#49
Dibromochloromethane
Concen: 4.780 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV014302.D
Acq: 14 Jan 2020 18:14

Tgt Ion: 129 Resp: 241270
Ion Ratio Lower Upper
129 100
127 77.8 55.7 103.5



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

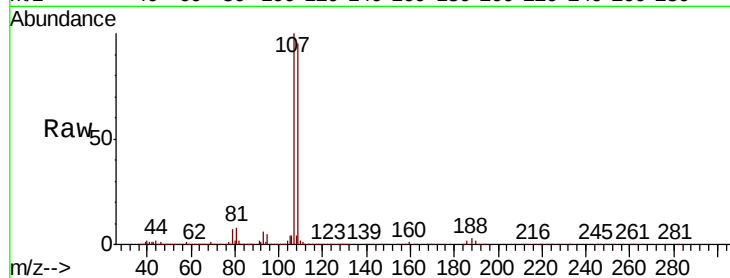




#50
 1,2-Dibromoethane
 Concen: 4.869 ug/L
 RT: 8.39 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VV014302.D
 Acq: 14 Jan 2020 18:14

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.3	63.0	117.0
188	3.3	3.0	4.4

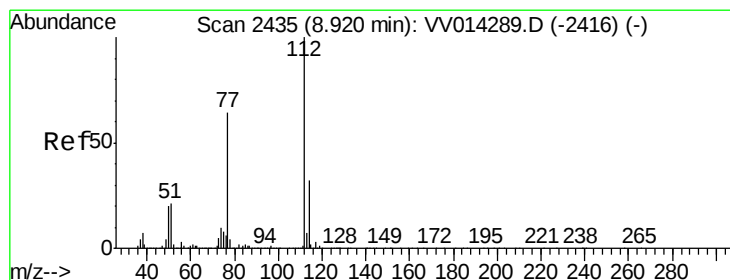
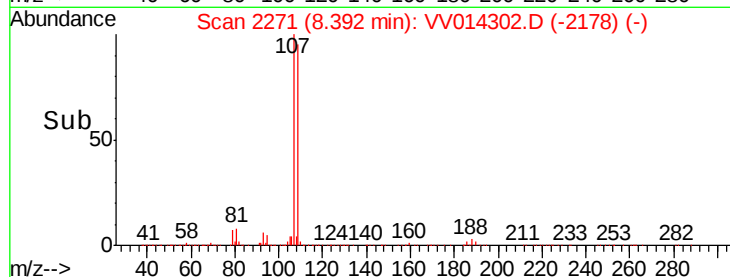
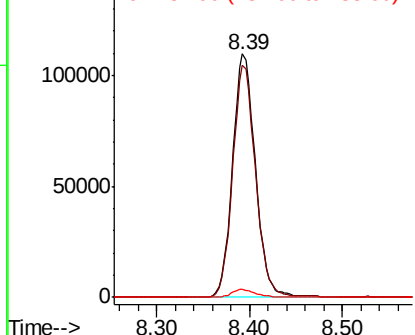


Abundance

Ion 106.95 (106.65 to 107.65): V

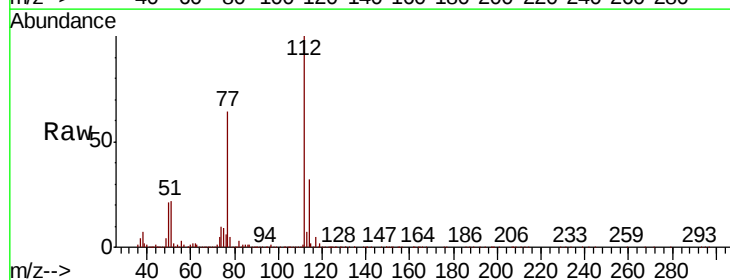
Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51
 Chlorobenzene
 Concen: 4.993 ug/L
 RT: 8.92 min Scan# 2435
 Delta R.T. 0.00 min
 Lab File: VV014302.D
 Acq: 14 Jan 2020 18:14

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.1	22.5	41.7
77	64.3	49.3	73.9

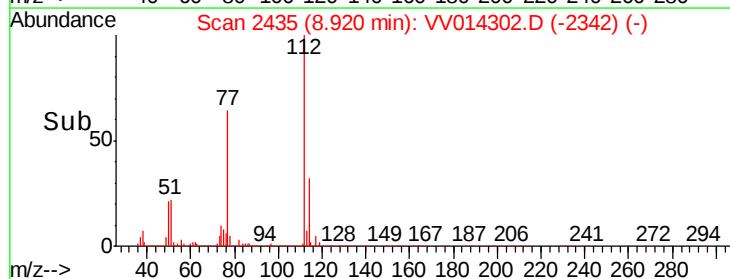
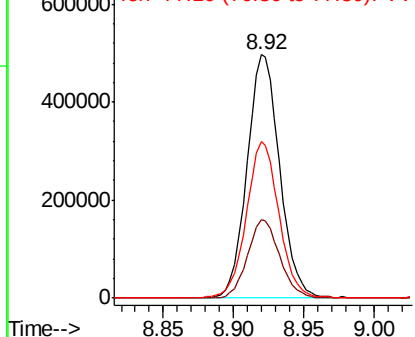


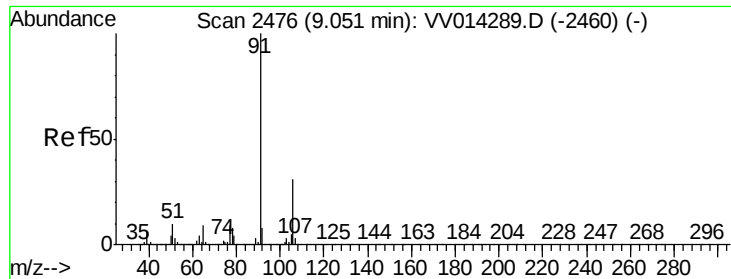
Abundance

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): VV0

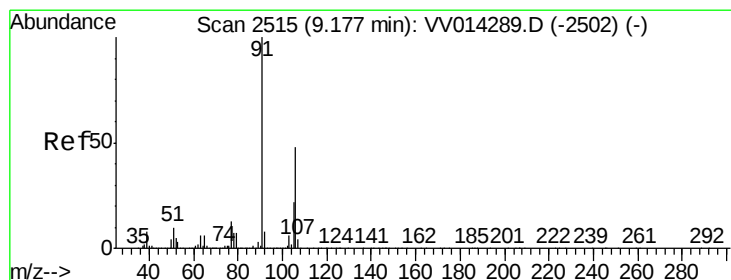
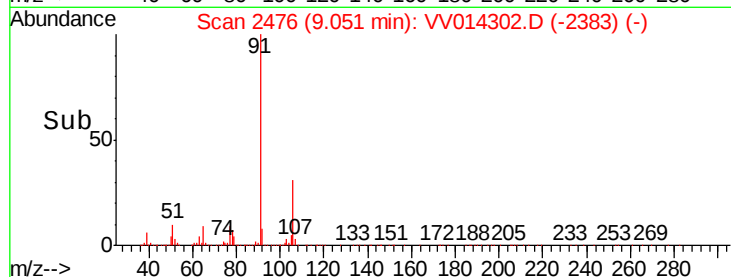
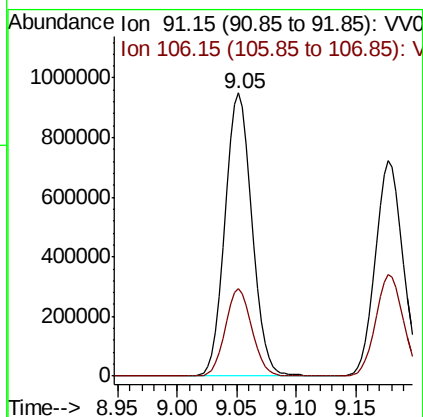
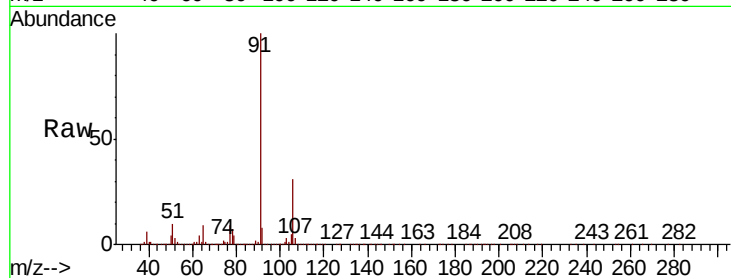




#52
Ethylbenzene
Concen: 5.111 ug/L
RT: 9.05 min Scan# 2476
Delta R.T. 0.00 min
Lab File: VV014302.D
Acq: 14 Jan 2020 18:14

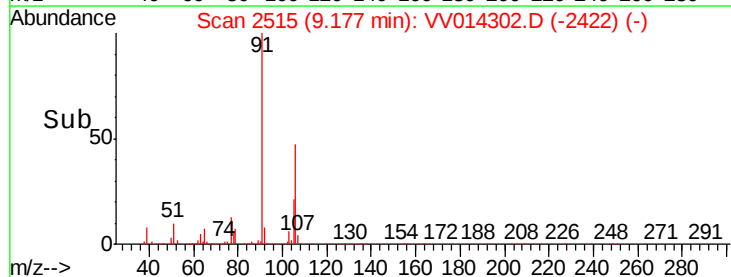
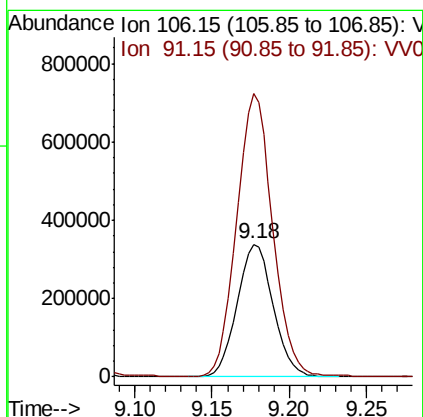
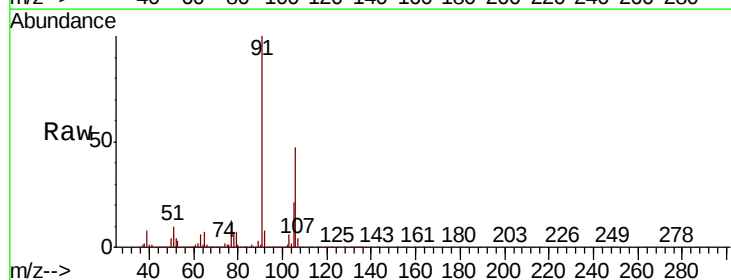
Instrument :
MSVOA_V
ClientSampled :

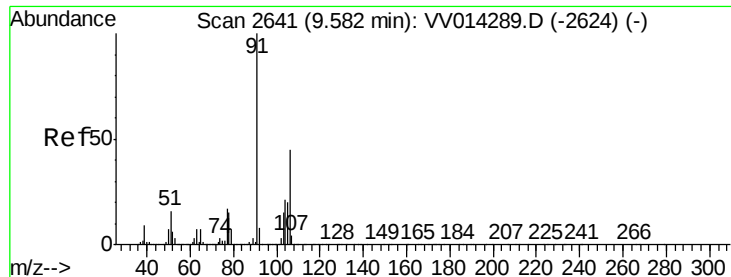
Tot Ion: 91 Resp: 1494354
Ion Ratio Lower Upper
91 100
106 30.9 21.6 40.0



#53
m,p-xylene
Concen: 5.085 ug/L
RT: 9.18 min Scan# 2515
Delta R.T. 0.00 min
Lab File: VV014302.D
Acq: 14 Jan 2020 18:14

Tgt Ion: 106 Resp: 548541
Ion Ratio Lower Upper
106 100
91 212.9 146.8 272.6





#54

o-xylene

Concen: 5.035 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV014302.D

Acq: 14 Jan 2020 18:14

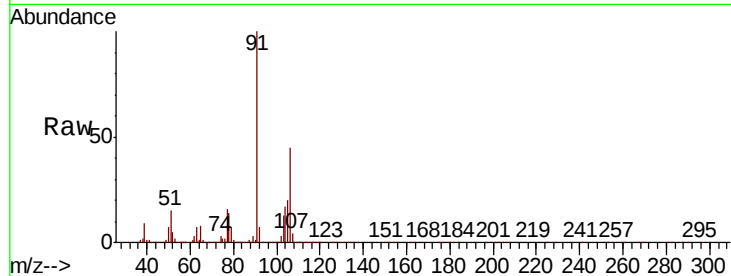
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 534109

Ion Ratio Lower Upper

106 100

91 222.6 150.9 280.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0

800000

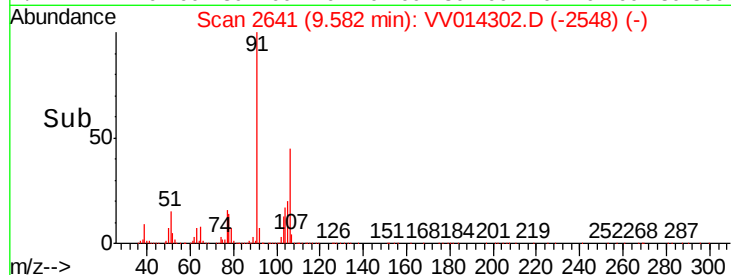
600000

400000

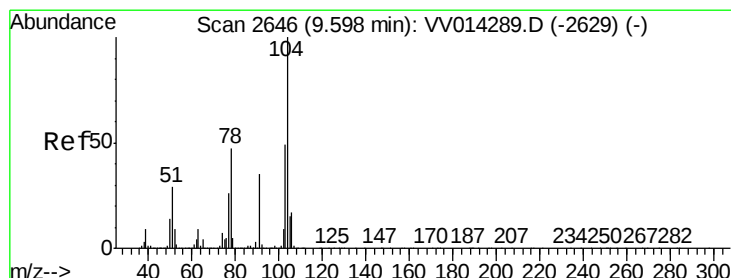
200000

0

9.50 9.55 9.60 9.65



Time-->



#55

Styrene

Concen: 4.959 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. 0.00 min

Lab File: VV014302.D

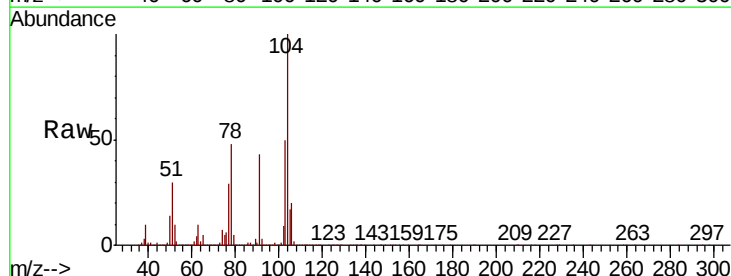
Acq: 14 Jan 2020 18:14

Tgt Ion:104 Resp: 891113

Ion Ratio Lower Upper

104 100

78 48.1 31.7 58.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0

600000

500000

400000

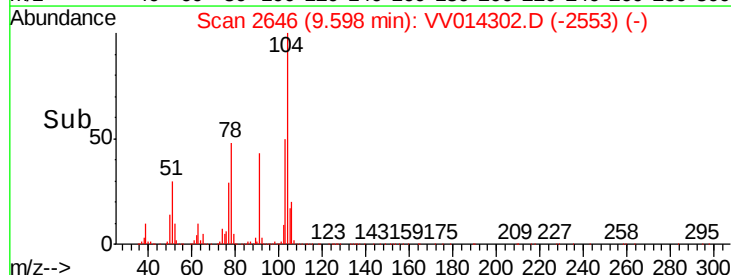
300000

200000

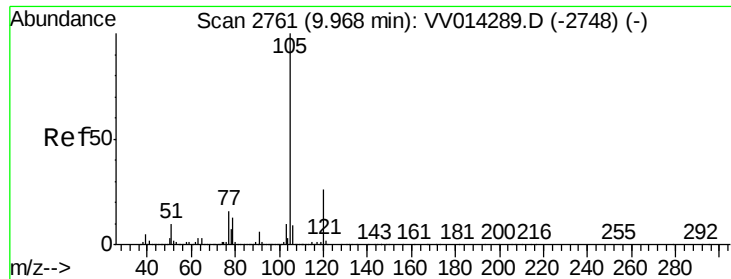
100000

0

9.50 9.60 9.70



Time-->



#56

Isopropylbenzene

Concen: 5.207 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV014302.D

Acq: 14 Jan 2020 18:14

Instrument :

MSVOA_V

ClientSampleId :

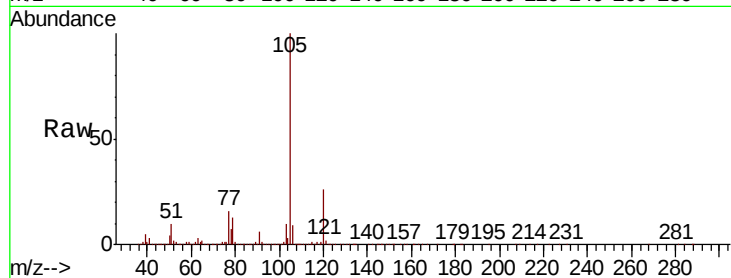
Tot Ion:105 Resp: 1440781

Ion Ratio Lower Upper

105 100

120 25.9 21.0 31.4

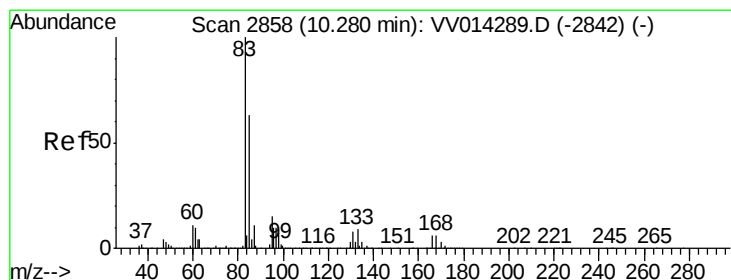
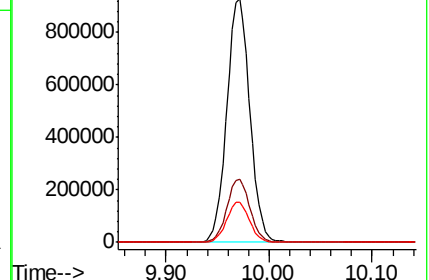
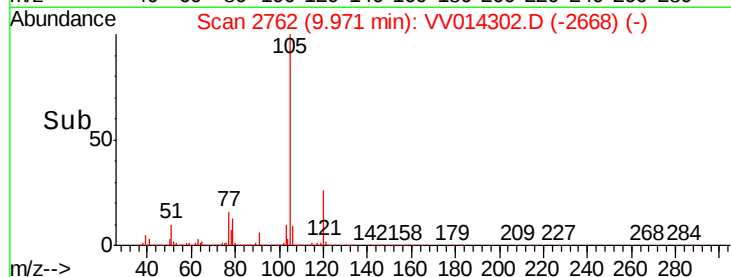
77 16.2 12.5 18.7



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: 4.967 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV014302.D

Acq: 14 Jan 2020 18:14

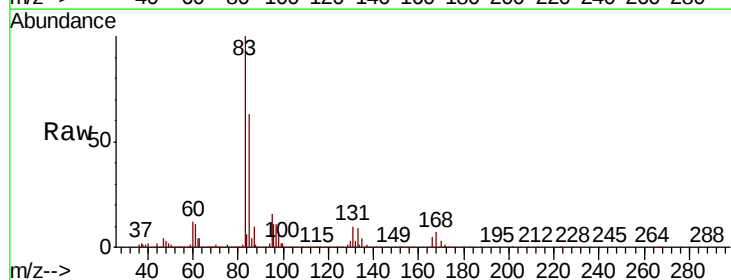
Tgt Ion: 83 Resp: 244563

Ion Ratio Lower Upper

83 100

85 63.2 45.9 85.3

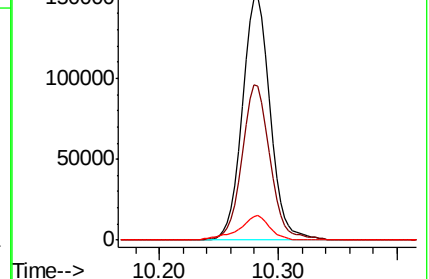
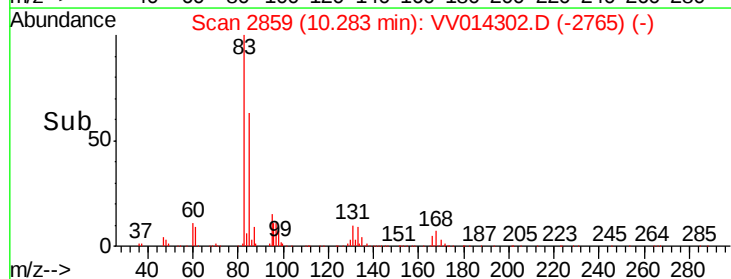
131 9.9 7.8 11.8

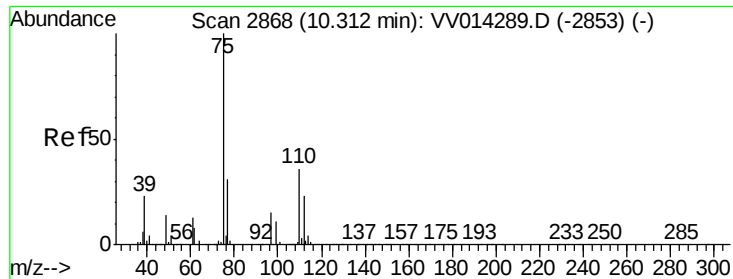


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

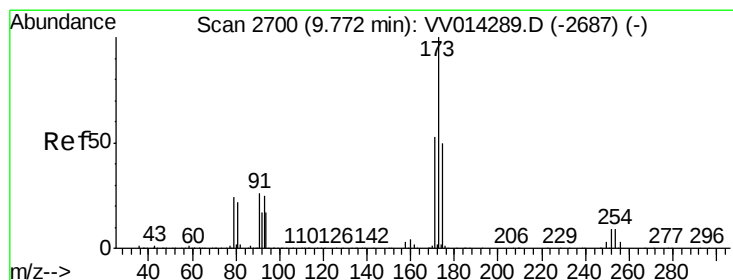
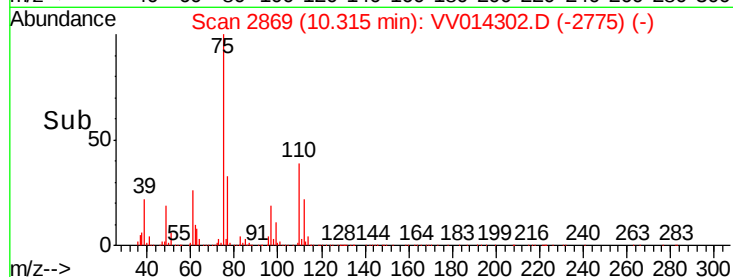
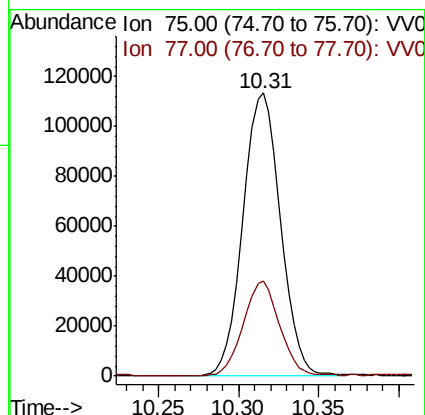
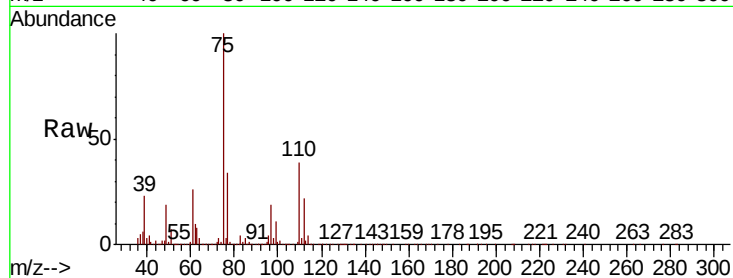




#59
1,2,3-Trichloropropane
Concen: 4.862 ug/L
RT: 10.31 min Scan# 2869
Delta R.T. 0.00 min
Lab File: VV014302.D
Acq: 14 Jan 2020 18:14

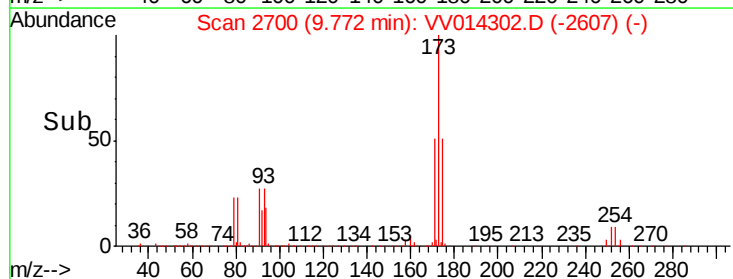
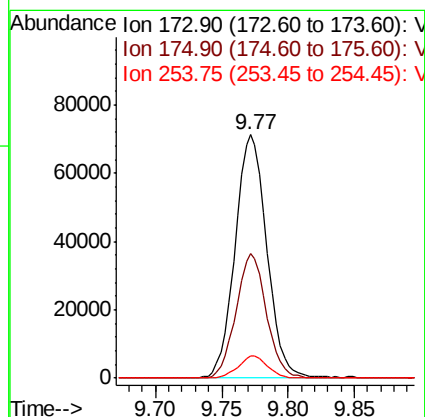
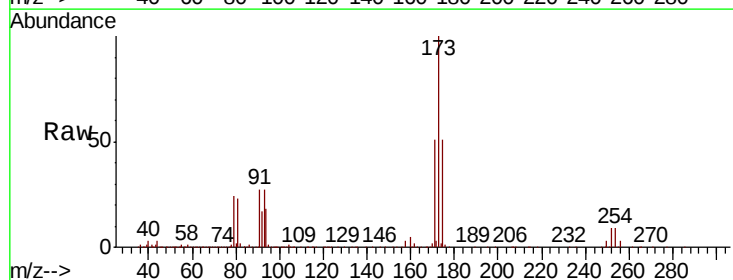
Instrument :
MSVOA_V
ClientSampled :

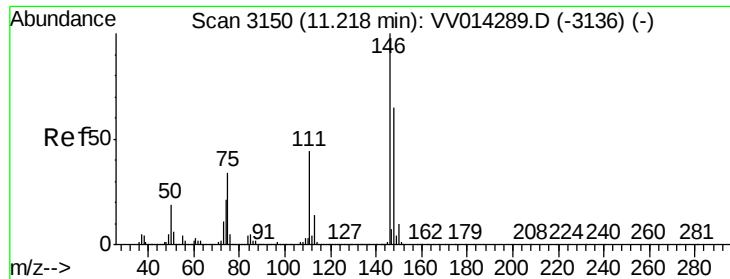
Tot Ion: 75 Resp: 181072
Ion Ratio Lower Upper
75 100
77 32.0 25.7 38.5



#61
Bromoform
Concen: 4.709 ug/L
RT: 9.77 min Scan# 2700
Delta R.T. 0.00 min
Lab File: VV014302.D
Acq: 14 Jan 2020 18:14

Tgt Ion: 173 Resp: 118521
Ion Ratio Lower Upper
173 100
175 48.9 37.9 56.9
254 8.4 7.6 11.4





#62

1,3-Dichlorobenzene

Concen: 5.114 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. 0.00 min

Lab File: VV014302.D

Acq: 14 Jan 2020 18:14

Instrument :

MSVOA_V

ClientSampleId :

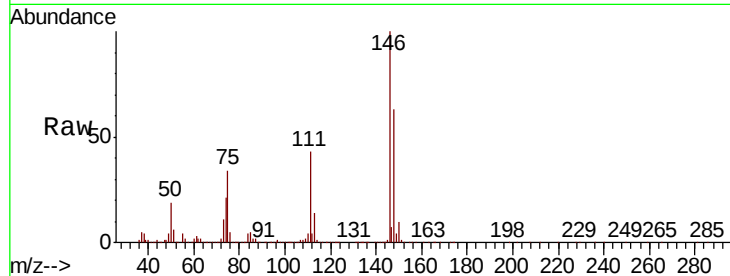
Tot Ion:146 Resp: 593650

Ion Ratio Lower Upper

146 100

111 42.9 30.7 57.1

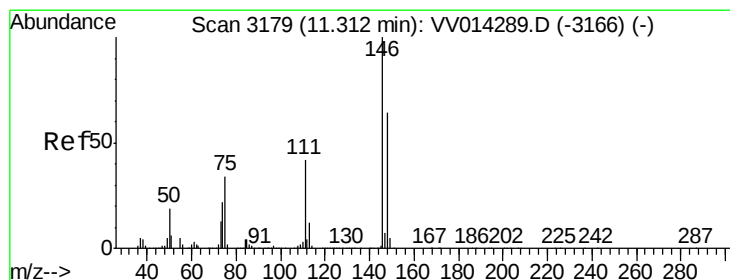
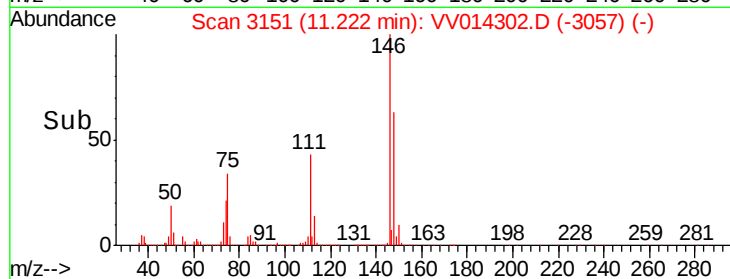
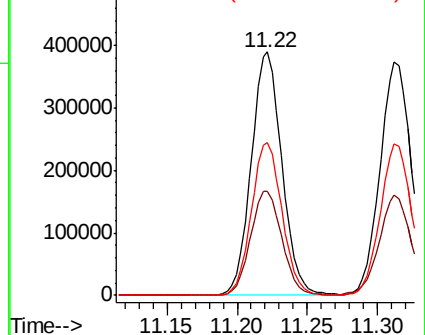
148 63.0 44.4 82.5



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: 5.064 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. 0.00 min

Lab File: VV014302.D

Acq: 14 Jan 2020 18:14

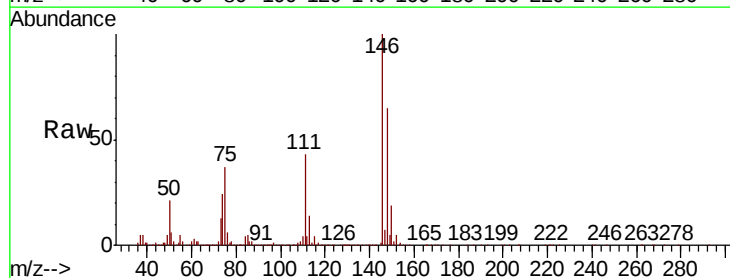
Tgt Ion:146 Resp: 584502

Ion Ratio Lower Upper

146 100

111 42.8 28.8 53.4

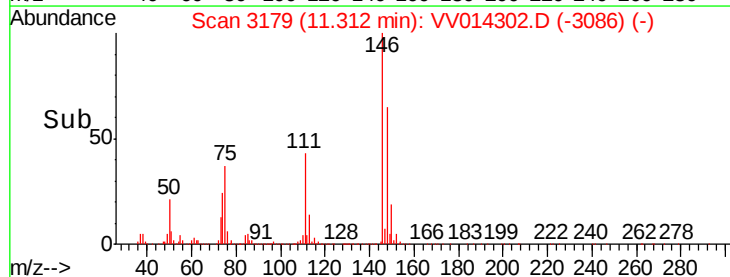
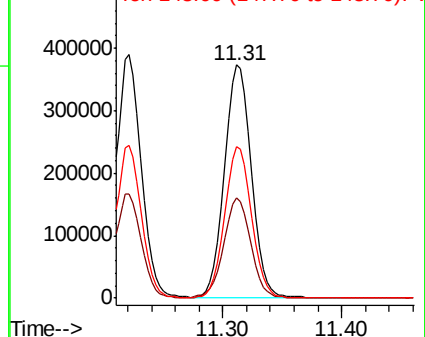
148 64.7 44.5 82.7

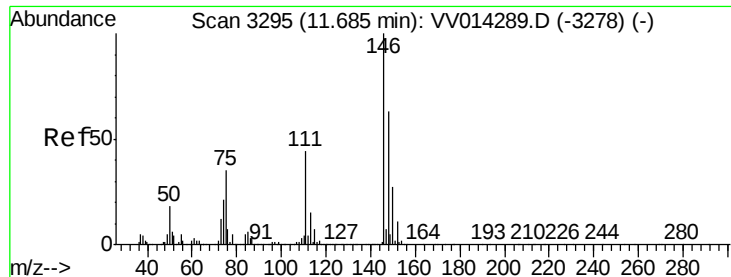


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.107 ug/L

RT: 11.68 min Scan# 3295

Delta R.T. 0.00 min

Lab File: VV014302.D

Acq: 14 Jan 2020 18:14

Instrument :

MSVOA_V

ClientSampleId :

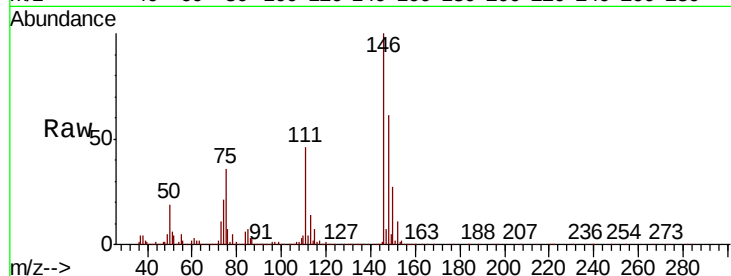
Tot Ion:146 Resp: 535379

Ion Ratio Lower Upper

146 100

111 45.5 36.4 54.6

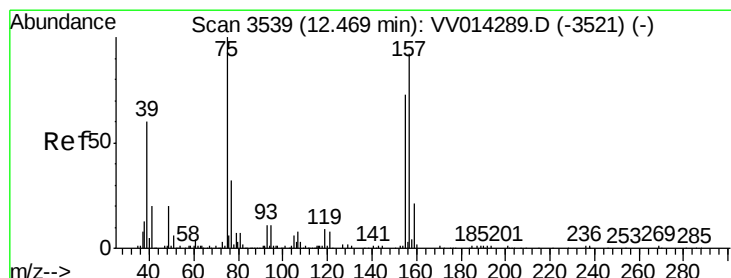
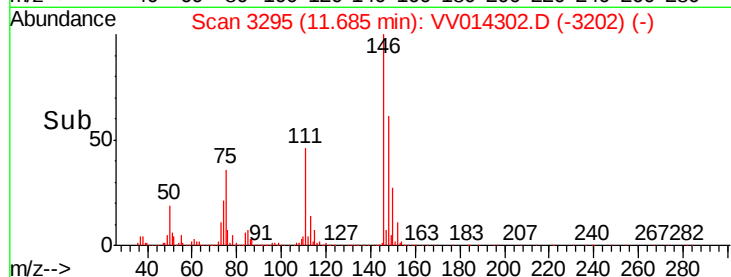
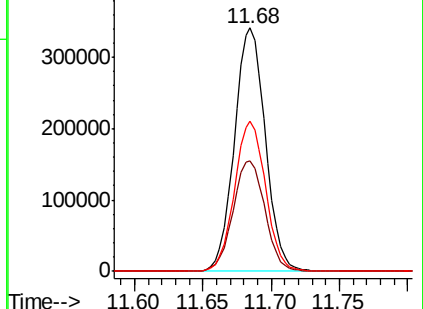
148 61.5 51.3 76.9



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.488 ug/L

RT: 12.47 min Scan# 3539

Delta R.T. 0.00 min

Lab File: VV014302.D

Acq: 14 Jan 2020 18:14

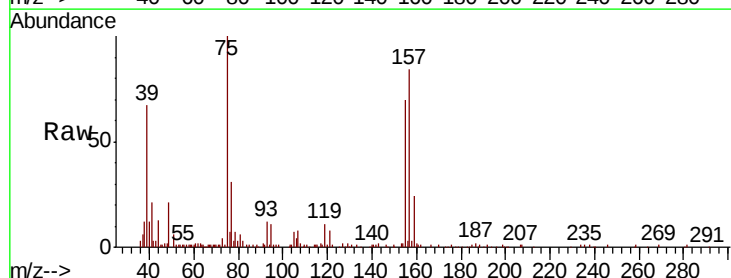
Tgt Ion: 75 Resp: 43239

Ion Ratio Lower Upper

75 100

155 70.4 56.9 85.3

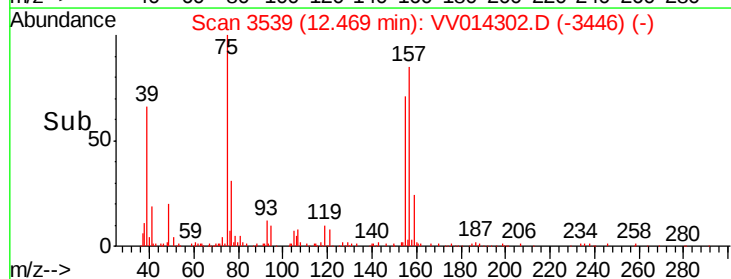
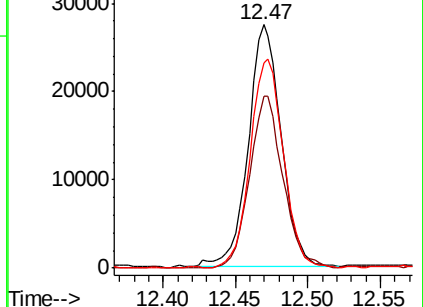
157 84.1 82.0 123.0

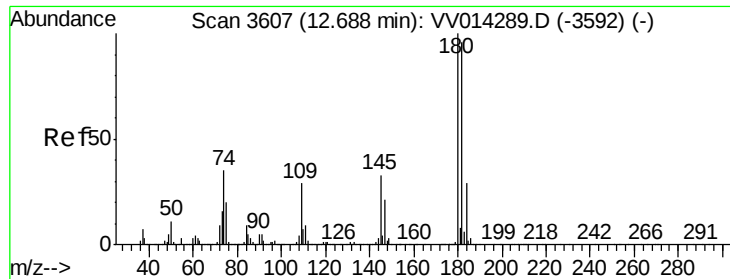


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

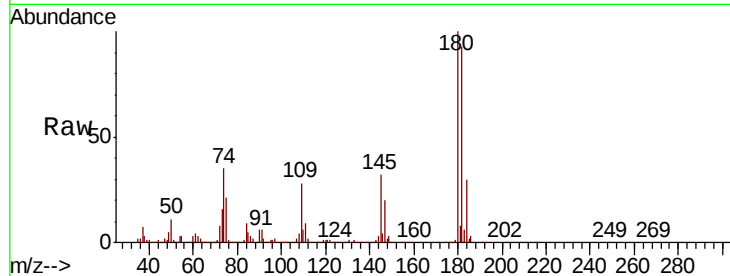




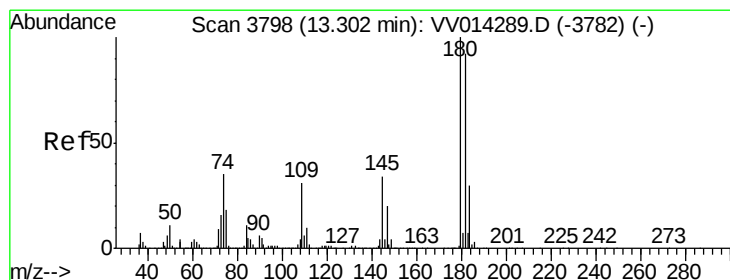
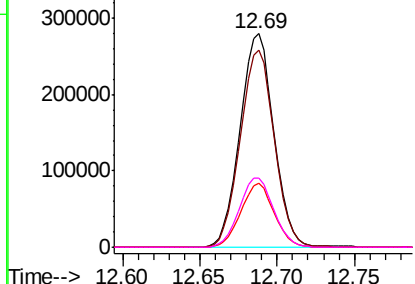
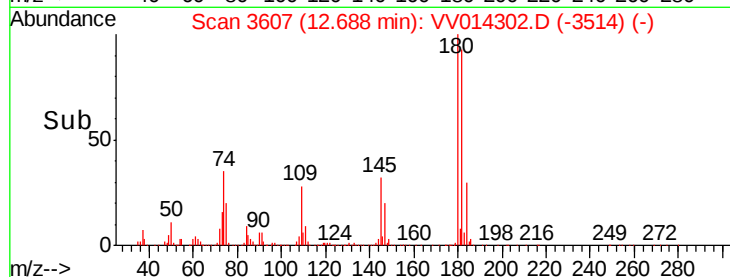
#67
 1,3,5-Trichlorobenzene
 Concen: 5.038 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV014302.D
 Acq: 14 Jan 2020 18:14

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	180	Resp:	425304
Ion	Ratio	Lower	Upper
180	100		
182	93.2	77.2	115.8
184	29.4	24.6	36.8
145	32.7	26.9	40.3

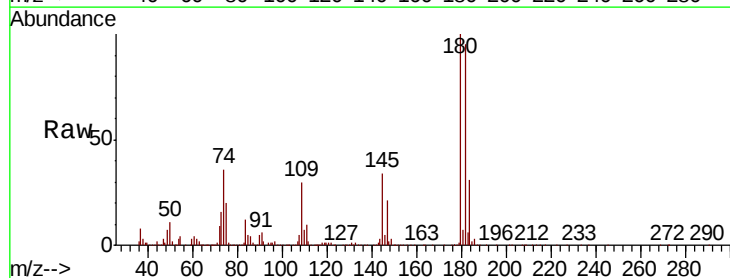


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

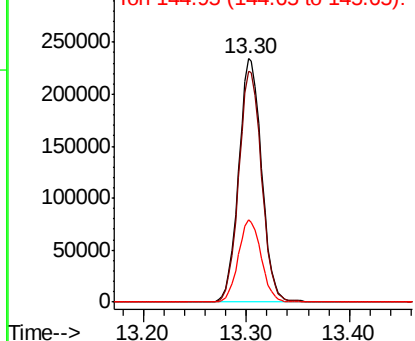
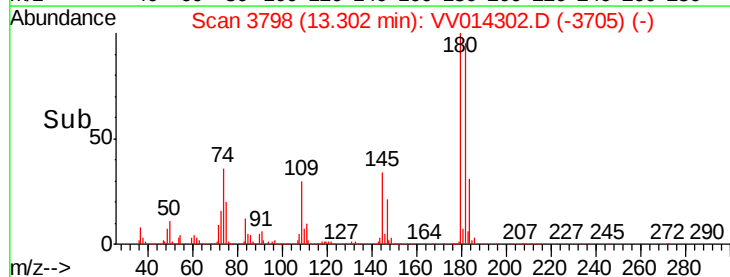


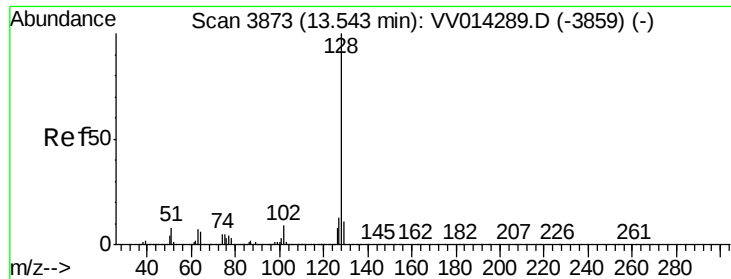
#68
 1,2,4-trichlorobenzene
 Concen: 4.912 ug/L
 RT: 13.30 min Scan# 3798
 Delta R.T. 0.00 min
 Lab File: VV014302.D
 Acq: 14 Jan 2020 18:14

Tgt Ion:	180	Resp:	363647
Ion	Ratio	Lower	Upper
180	100		
182	94.5	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: 4.654 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV014302.D

Acq: 14 Jan 2020 18:14

Instrument :

MSVOA_V

ClientSampleId :

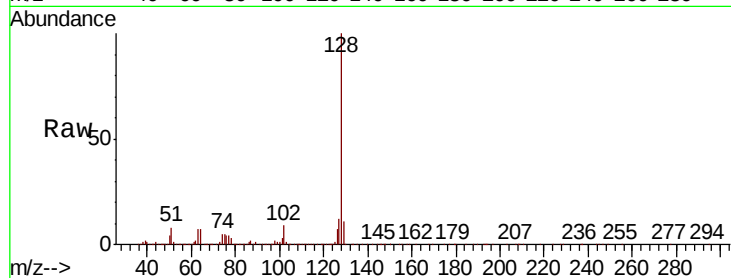
Tot Ion:128 Resp: 700123

Ion Ratio Lower Upper

128 100

129 10.8 8.6 13.0

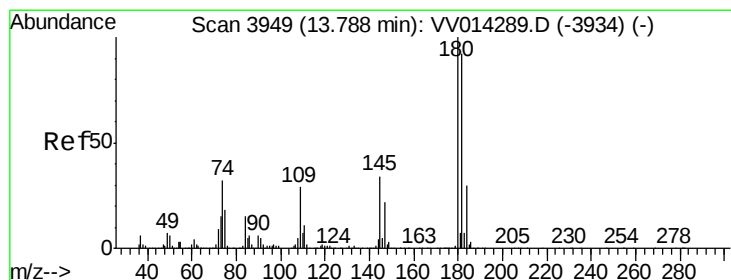
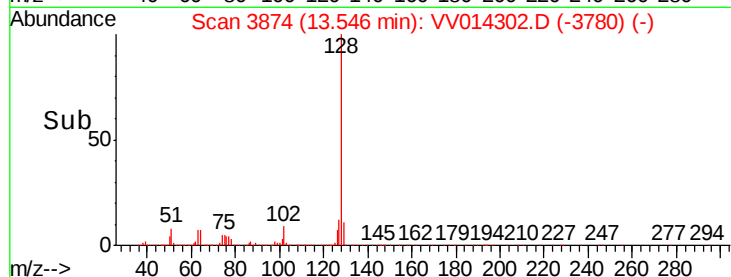
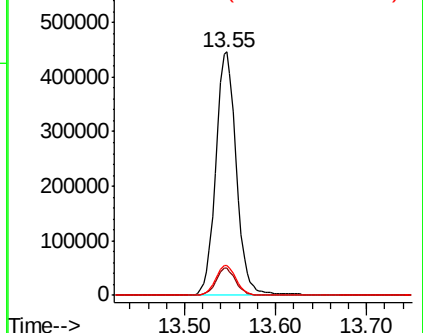
127 12.2 10.2 15.2



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: 4.891 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV014302.D

Acq: 14 Jan 2020 18:14

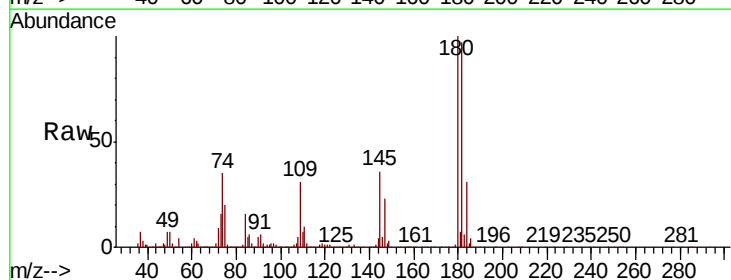
Tgt Ion:180 Resp: 318643

Ion Ratio Lower Upper

180 100

182 96.5 74.8 112.2

145 35.6 29.0 43.6



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

