

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081720\
 Data File : VX017950.D
 Acq On : 17 Aug 2020 20:20
 Operator : JC/SP
 Sample : L3697-04DL 20X
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 18 01:02:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR080720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Aug 18 00:59:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	254390	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	248563	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	103774	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	72028	4.10	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.00%
7) Chloroethane-d5	1.68	69	66460	4.76	ug/L	-0.01
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.20%
11) 1,1-Dichloroethene-d2	2.34	63	115093	3.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.60%
20) 2-Butanone-d5	4.53	46	266302	57.04	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.08%
24) Chloroform-d	5.14	84	171972	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.40%
26) 1,2-Dichloroethane-d4	6.03	65	109263	5.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.60%
32) Benzene-d6	6.05	84	334920	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
36) 1,2-Dichloropropane-d6	7.37	67	111963	5.31	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.20%
41) Toluene-d8	8.70	98	278197	4.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.60%
45) trans-1,3-Dichloropropene-	8.99	79	44147	4.83	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.60%
48) 2-Hexanone-d5	9.43	63	215537	56.77	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.54%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	84540	5.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.40%
65) 1,2-Dichlorobenzene-d4	12.36	152	115187	5.77	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	115.40%

Target Compounds

					Ovalue
8) Chloroethane	1.71	64	9287	0.693 ug/L	92
13) Acetone	2.42	43	6688	1.961 ug/L	91
16) Methylene chloride	2.83	84	8399	0.312 ug/L	91
22) cis-1,2-Dichloroethene	4.56	96	16168	0.696 ug/L #	90
25) Chloroform	5.17	83	7229	0.170 ug/L	83
27) 1,2-Dichloroethane	6.11	62	11601	0.425 ug/L #	76
33) Benzene	6.11	78	1227750	13.952 ug/L	100
35) Methylcyclohexane	7.37	83	28068	0.777 ug/L #	19
37) 1,2-Dichloropropane	7.37	63	13749	0.621 ug/L #	95
42) Toluene	8.77	91	1705781	17.857 ug/L	96
43) 1,3,5-Trimethylbenzene	11.49	105	11339	0.130 ug/L	91
44) 1,2,4-Trimethylbenzene	11.79	105	45144	0.508 ug/L	100
53) Chlorobenzene	10.12	112	184872	2.973 ug/L	97
54) Ethylbenzene	10.24	91	246920	2.369 ug/L	99
55) m,p-xylene	10.34	106	278541	6.998 ug/L	92
56) o-xylene	10.68	106	80206	2.078 ug/L	96
58) Isopropylbenzene	11.00	105	39166	0.379 ug/L	96

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Aug 18 00:59:21 2020
Response via : Initial Calibration

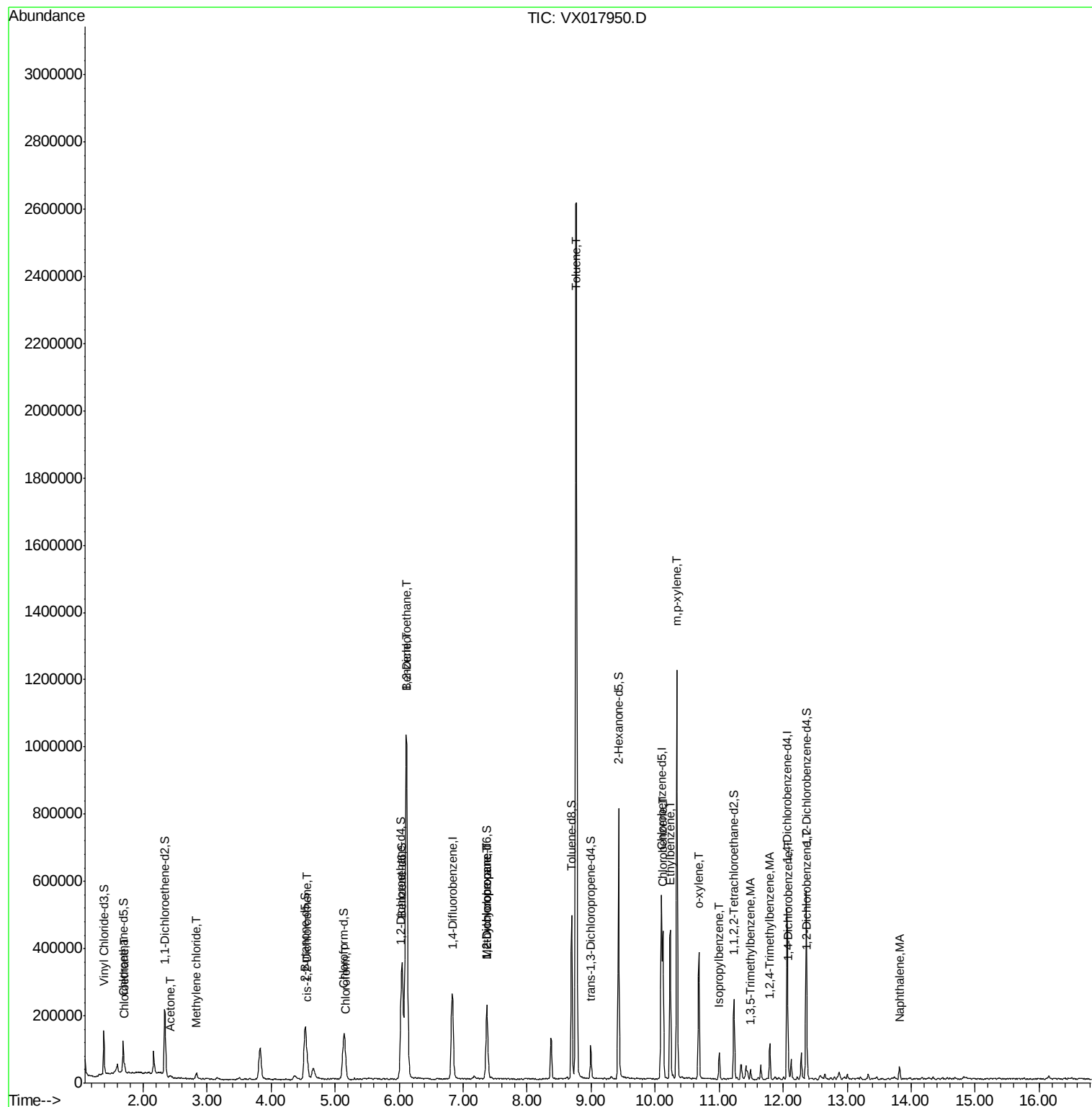
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
64) 1,4-Dichlorobenzene	12.08	146	8454	0.210	ug/L #	90
66) 1,2-Dichlorobenzene	12.38	146	10356	0.276	ug/L #	80
70) Naphthalene	13.82	128	20680	0.426	ug/L #	93

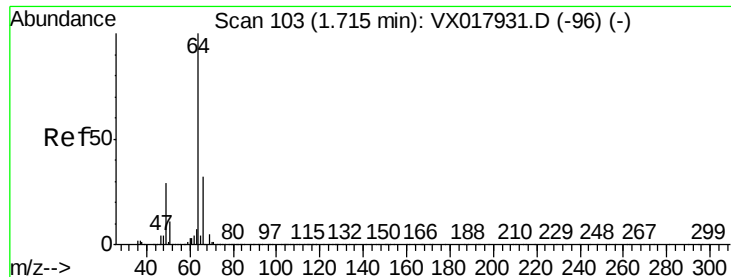
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX081720\
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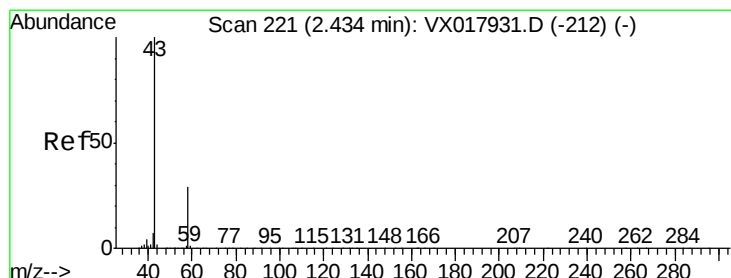
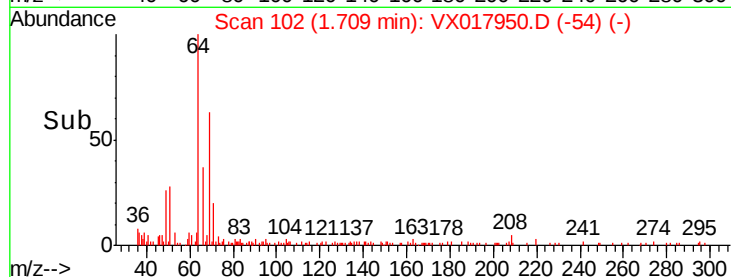
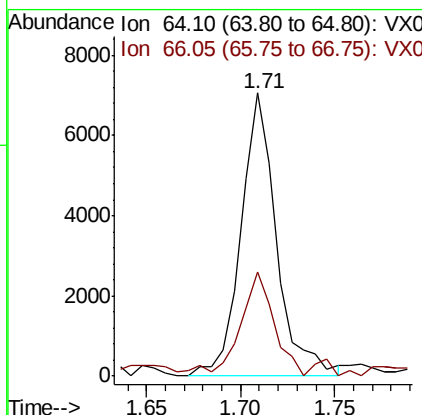
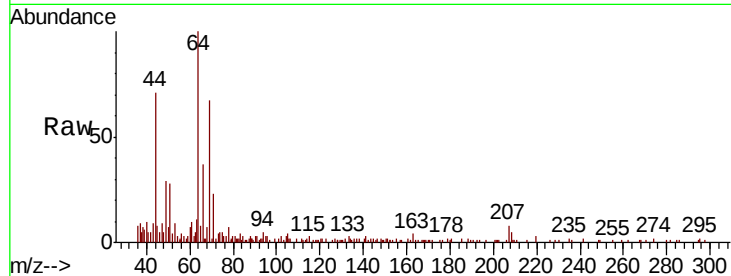




#8
Chloroethane
Concen: 0.693 ug/L
RT: 1.71 min Scan# 102
Delta R.T. -0.01 min
Lab File: VX017950.D
Acq: 17 Aug 2020 20:20

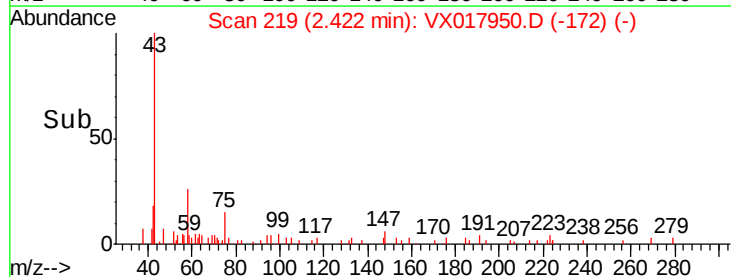
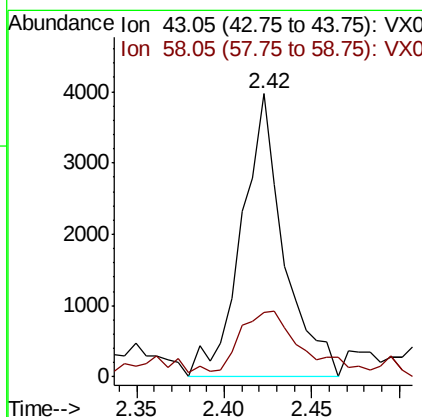
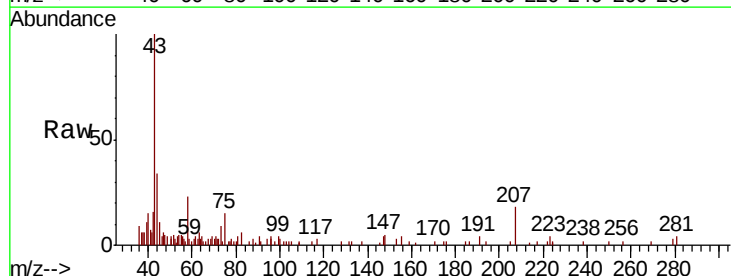
Instrument :
MSVOA_X
ClientSampleId :

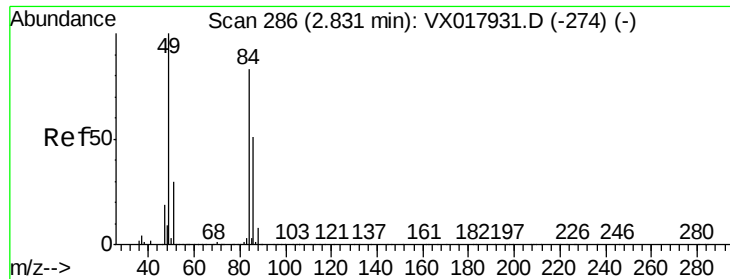
Tot Ion: 64 Resp: 9287
Ion Ratio Lower Upper
64 100
66 37.0 22.6 42.0



#13
Acetone
Concen: 1.961 ug/L
RT: 2.42 min Scan# 219
Delta R.T. -0.01 min
Lab File: VX017950.D
Acq: 17 Aug 2020 20:20

Tgt Ion: 43 Resp: 6688
Ion Ratio Lower Upper
43 100
58 35.5 0.0 60.8

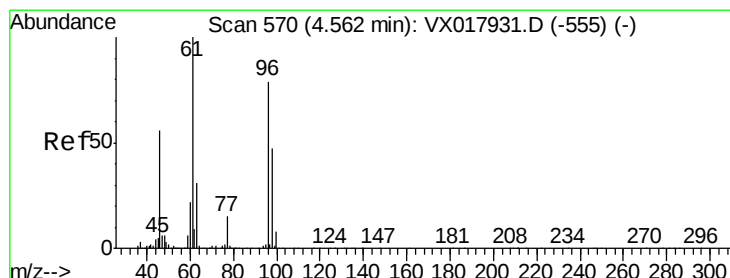
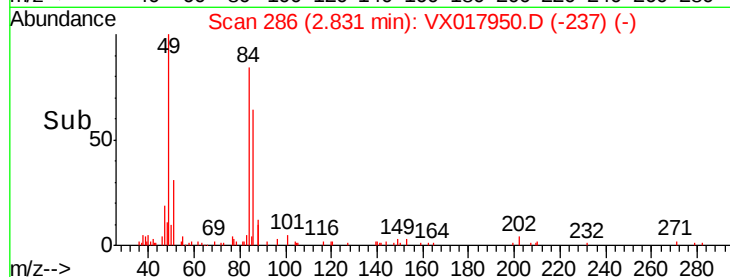
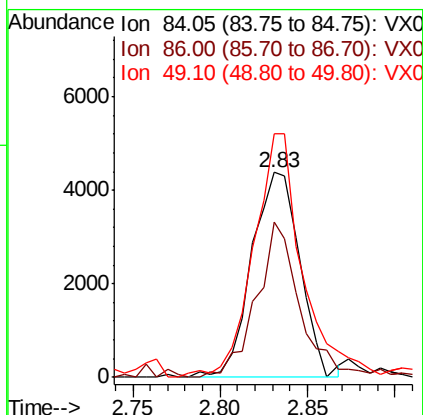
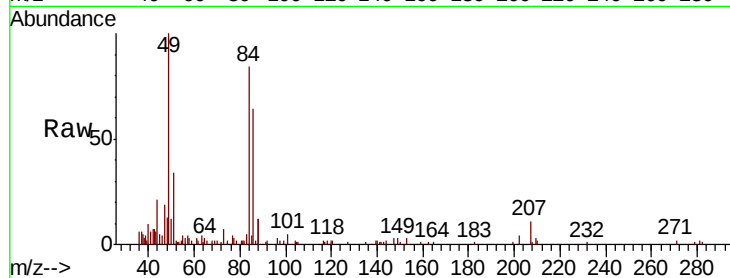




#16
Methylene chloride
Concen: 0.312 ug/L
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX017950.D
Acq: 17 Aug 2020 20:20

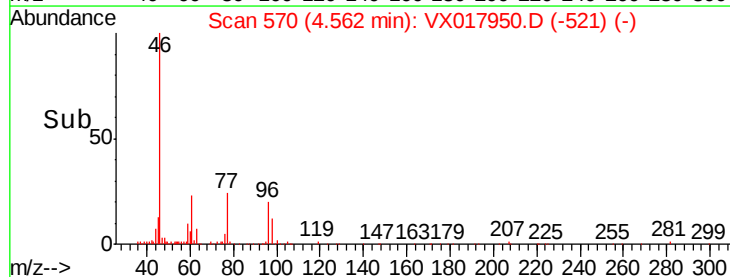
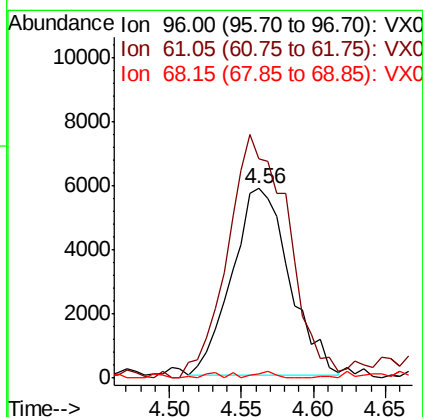
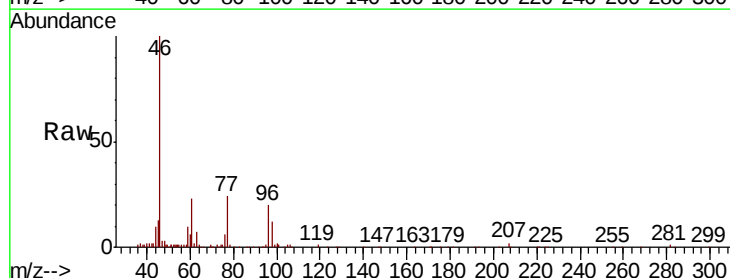
Instrument :
MSVOA_X
ClientSampleId :

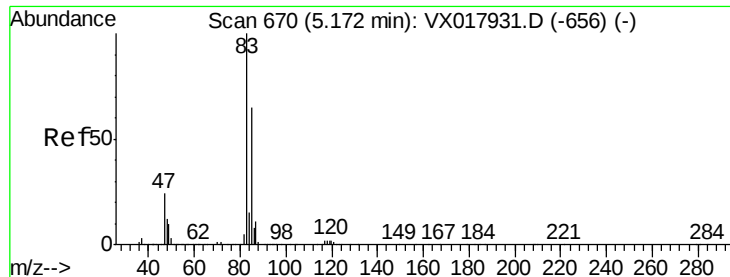
Tot Ion: 84 Resp: 8399
Ion Ratio Lower Upper
84 100
86 75.7 43.0 80.0
49 118.6 86.9 161.3



#22
cis-1,2-Dichloroethene
Concen: 0.696 ug/L
RT: 4.56 min Scan# 570
Delta R.T. 0.00 min
Lab File: VX017950.D
Acq: 17 Aug 2020 20:20

Tgt Ion: 96 Resp: 16168
Ion Ratio Lower Upper
96 100
61 115.7 88.8 165.0
68 2.1 0.2 0.4#





#25

Chloroform

Concen: 0.170 ug/L

RT: 5.17 min Scan# 670

Delta R.T. 0.00 min

Lab File: VX017950.D

Acq: 17 Aug 2020 20:20

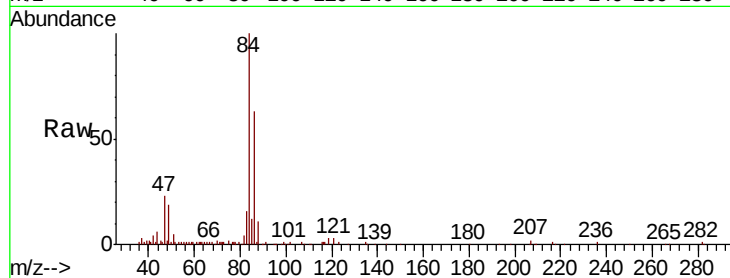
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 83 Resp: 7229

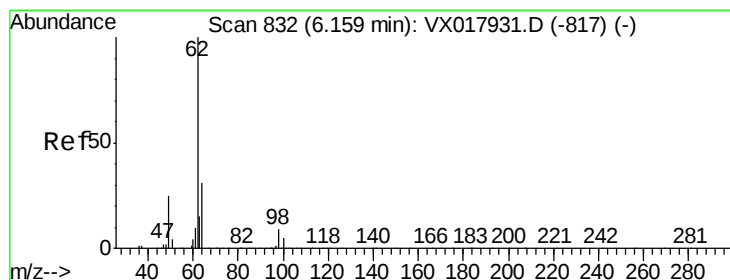
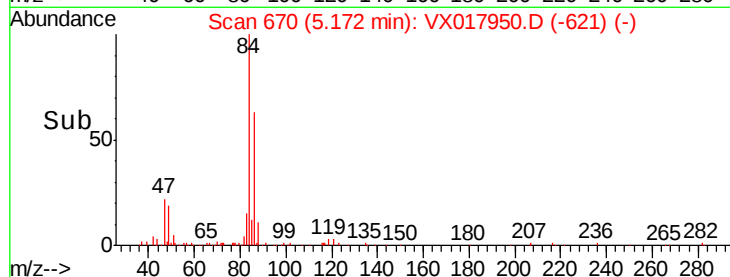
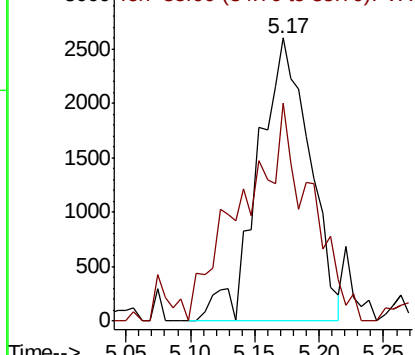
Ion Ratio Lower Upper

83 100

85 77.3 44.7 83.1



Abundance Ion 83.05 (82.75 to 83.75): VX0
Ion 85.00 (84.70 to 85.70): VX0



#27

1,2-Dichloroethane

Concen: 0.425 ug/L

RT: 6.11 min Scan# 824

Delta R.T. -0.05 min

Lab File: VX017950.D

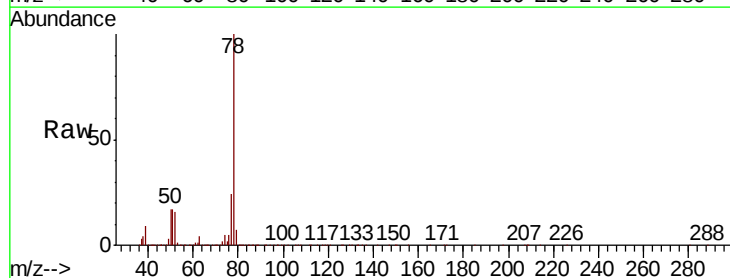
Acq: 17 Aug 2020 20:20

Tgt Ion: 62 Resp: 11601

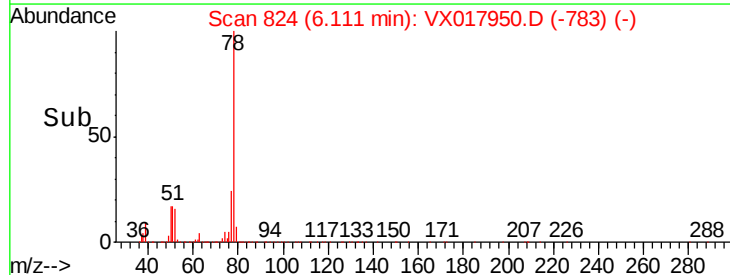
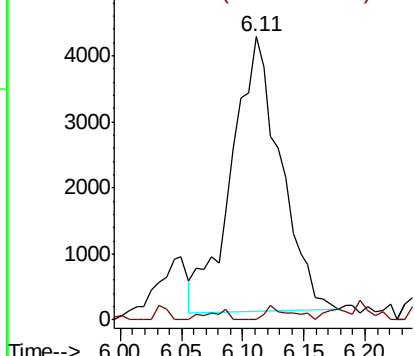
Ion Ratio Lower Upper

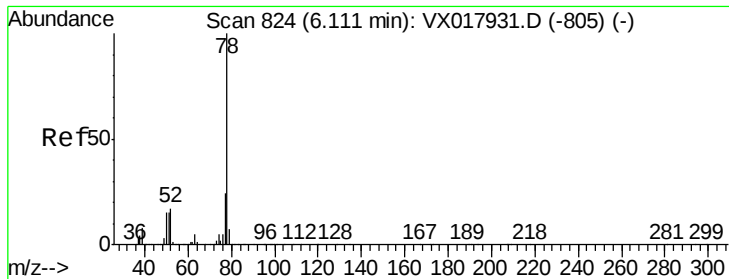
62 100

98 0.0 6.7 10.1#



Abundance Ion 62.00 (61.70 to 62.70): VX0
Ion 98.05 (97.75 to 98.75): VX0





#33

Benzene

Concen: 13.952 ug/L

RT: 6.11 min Scan# 824

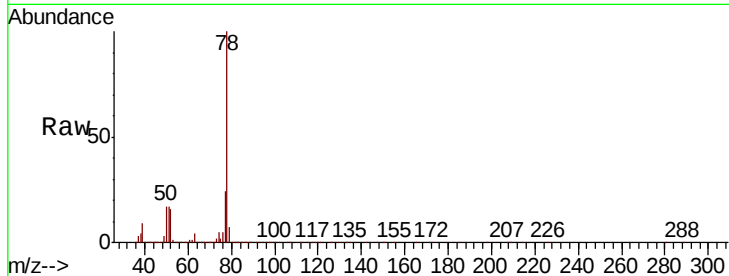
Delta R.T. 0.00 min

Lab File: VX017950.D

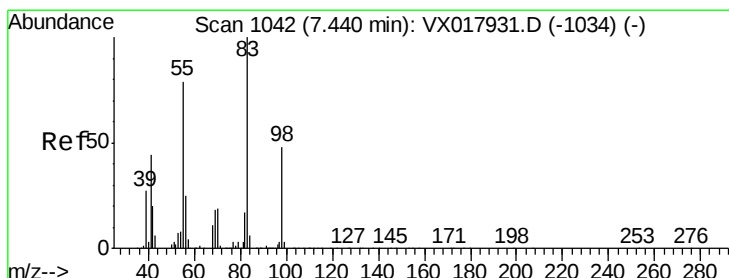
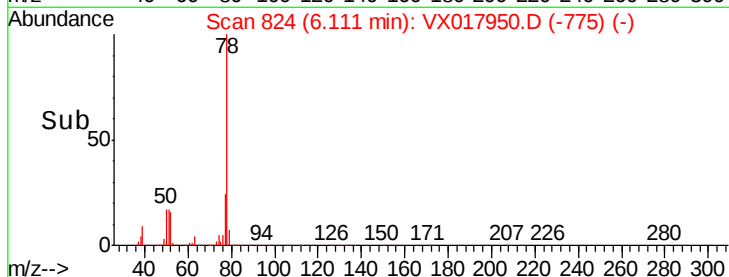
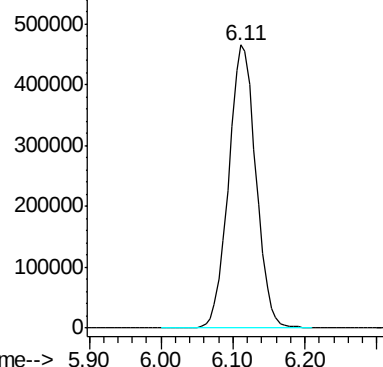
Acq: 17 Aug 2020 20:20

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 78 Resp: 1227750



Abundance Ion 78.10 (77.80 to 78.80): VX0



#35

Methylcyclohexane

Concen: 0.777 ug/L

RT: 7.37 min Scan# 1030

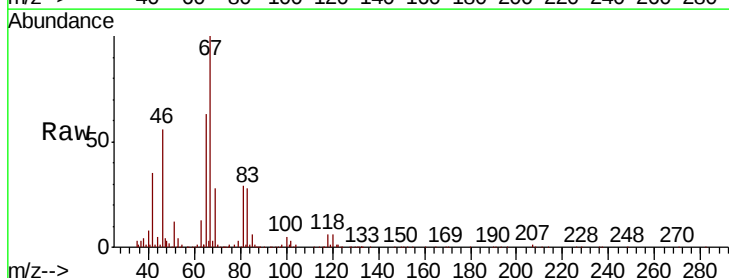
Delta R.T. -0.07 min

Lab File: VX017950.D

Acq: 17 Aug 2020 20:20

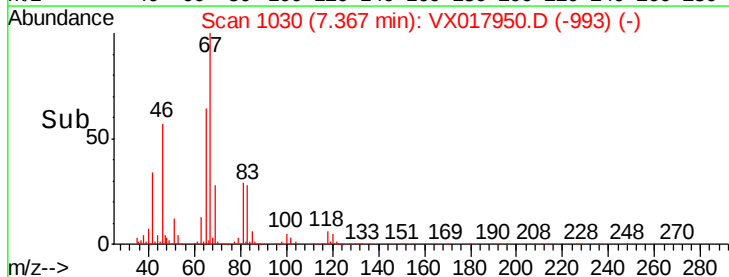
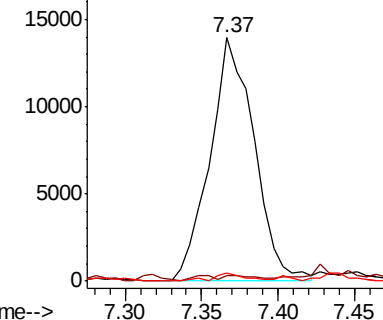
Tgt Ion: 83 Resp: 28068

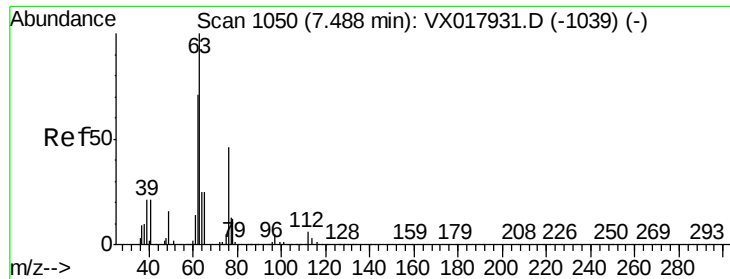
Ion	Ratio	Lower	Upper
83	100		
55	1.0	62.4	93.6#
98	2.2	38.0	57.0#



Abundance Ion 83.15 (82.85 to 83.85): VX0

Ion 55.10 (54.80 to 55.80): VX0
Ion 98.15 (97.85 to 98.85): VX0

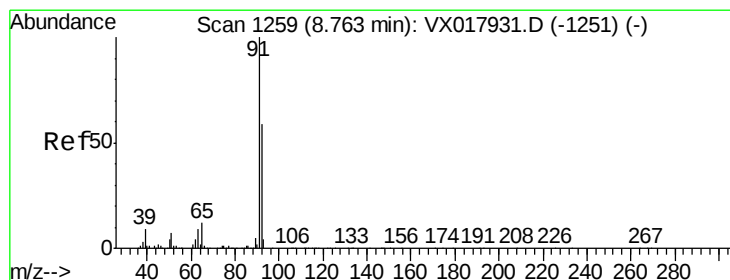
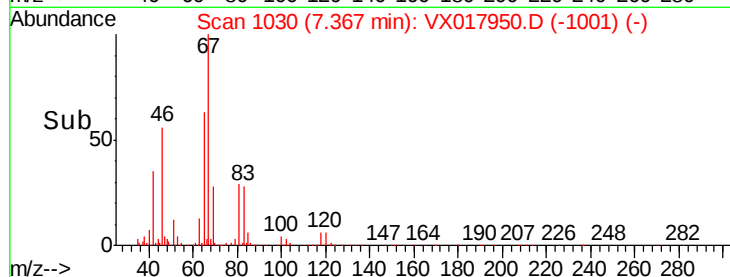
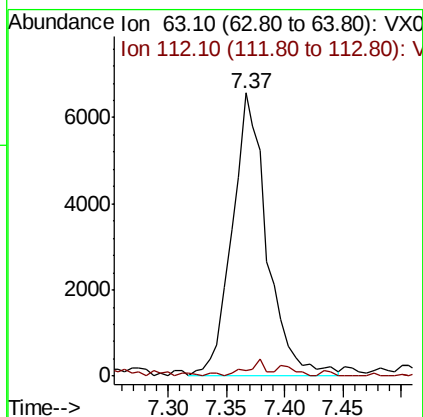
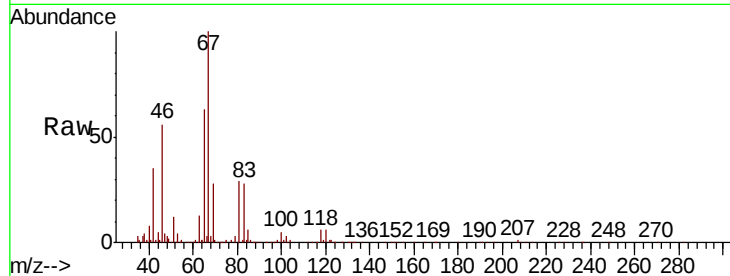




#37
 1,2-Dichloropropane
 Concen: 0.621 ug/L
 RT: 7.37 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VX017950.D
 Acq: 17 Aug 2020 20:20

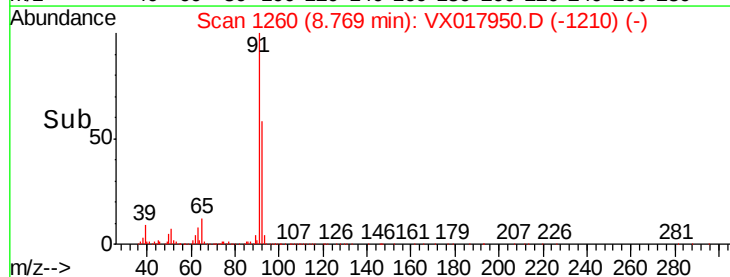
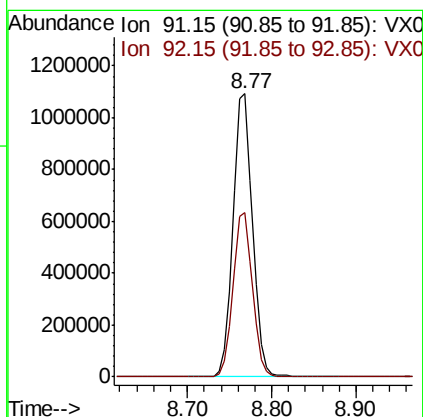
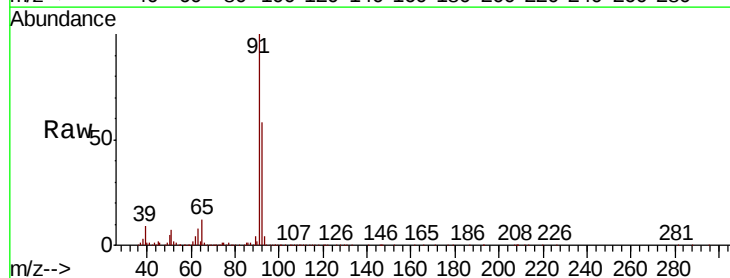
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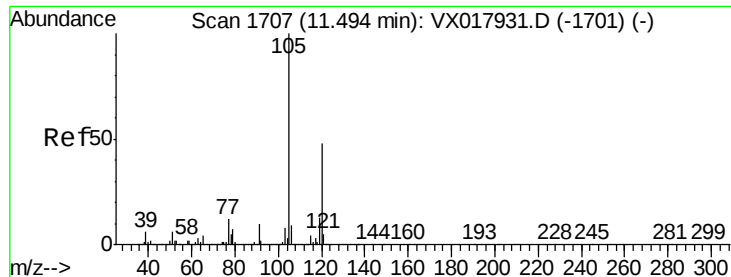
Tot Ion: 63 Resp: 13749
 Ion Ratio Lower Upper
 63 100
 112 3.0 3.6 5.4#



#42
 Toluene
 Concen: 17.857 ug/L
 RT: 8.77 min Scan# 1260
 Delta R.T. 0.01 min
 Lab File: VX017950.D
 Acq: 17 Aug 2020 20:20

Tgt Ion: 91 Resp: 1705781
 Ion Ratio Lower Upper
 91 100
 92 58.2 38.8 72.0





#43

1,3,5-Trimethylbenzene

Concen: 0.130 ug/L

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX017950.D

Acq: 17 Aug 2020 20:20

Instrument :

MSVOA_X

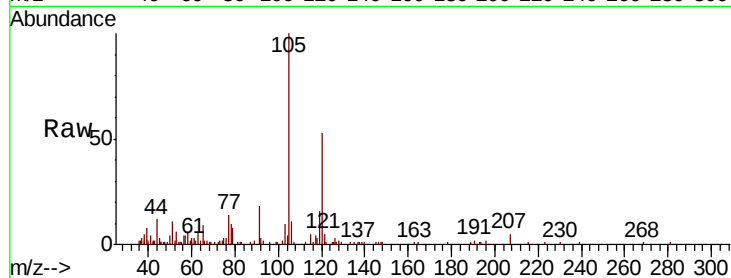
ClientSampleId :

Tot Ion:105 Resp: 11339

Ion Ratio Lower Upper

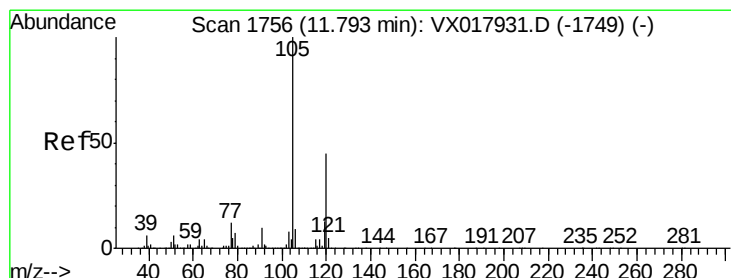
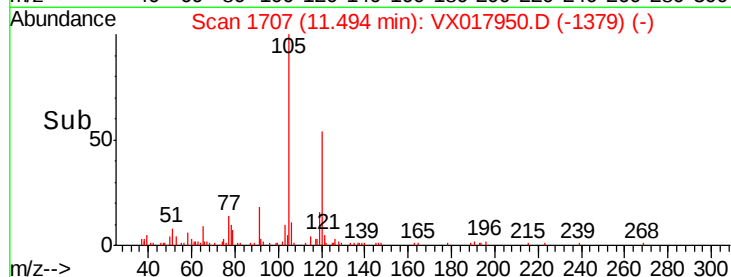
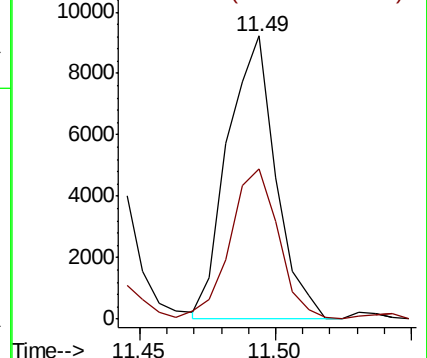
105 100

120 53.4 38.1 57.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#44

1,2,4-Trimethylbenzene

Concen: 0.508 ug/L

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX017950.D

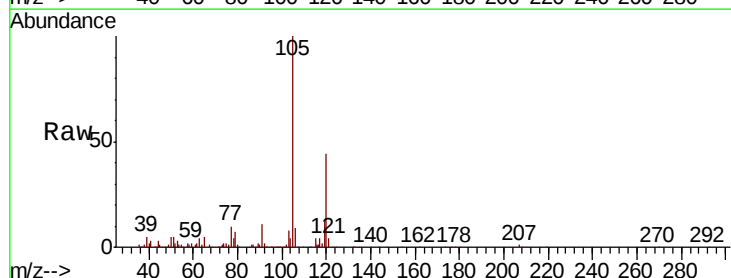
Acq: 17 Aug 2020 20:20

Tgt Ion:105 Resp: 45144

Ion Ratio Lower Upper

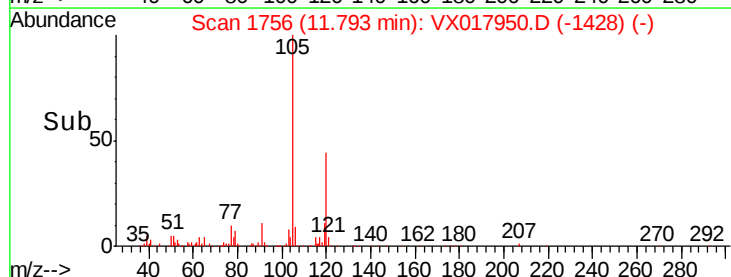
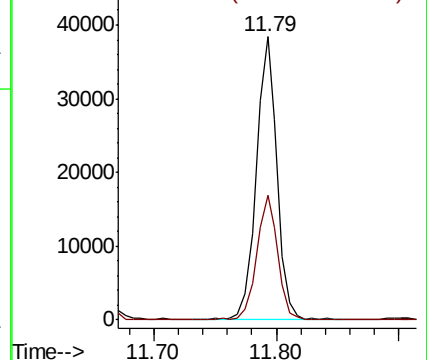
105 100

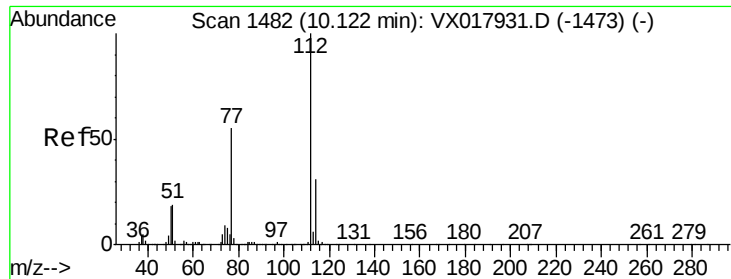
120 44.9 35.8 53.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#53

Chlorobenzene

Concen: 2.973 ug/L

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX017950.D

Acq: 17 Aug 2020 20:20

Instrument :

MSVOA_X

ClientSampleId :

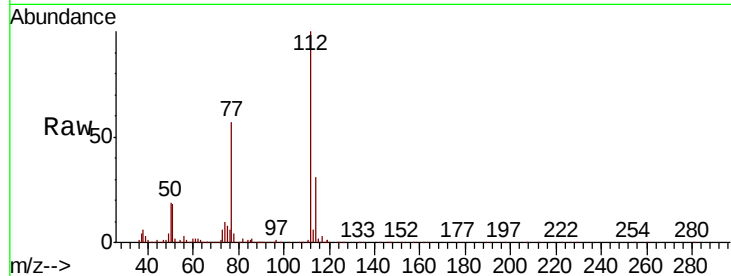
Tot Ion: 112 Resp: 184872

Ion Ratio Lower Upper

112 100

114 30.8 23.5 43.7

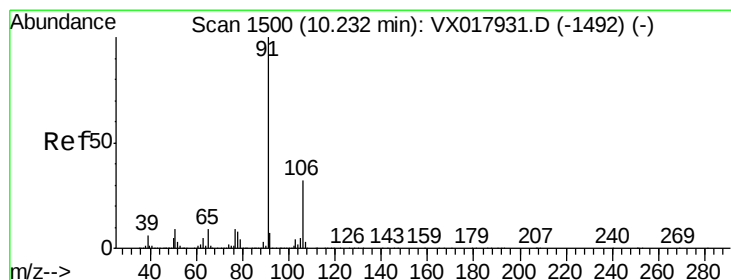
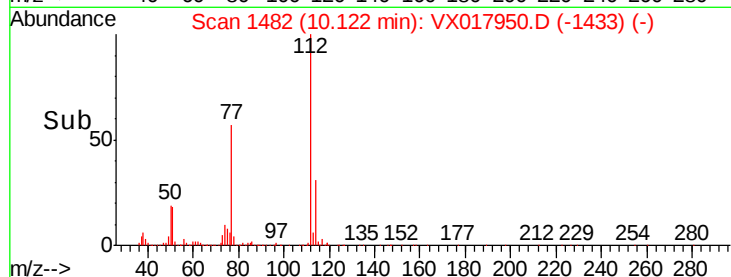
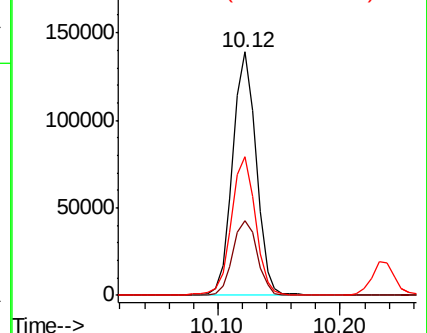
77 56.9 46.7 70.1



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): VX0



#54

Ethylbenzene

Concen: 2.369 ug/L

RT: 10.24 min Scan# 1501

Delta R.T. 0.01 min

Lab File: VX017950.D

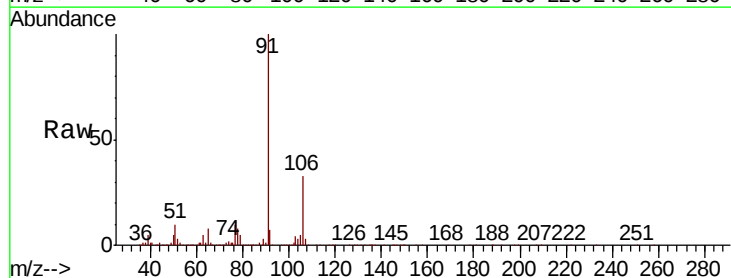
Acq: 17 Aug 2020 20:20

Tgt Ion: 91 Resp: 246920

Ion Ratio Lower Upper

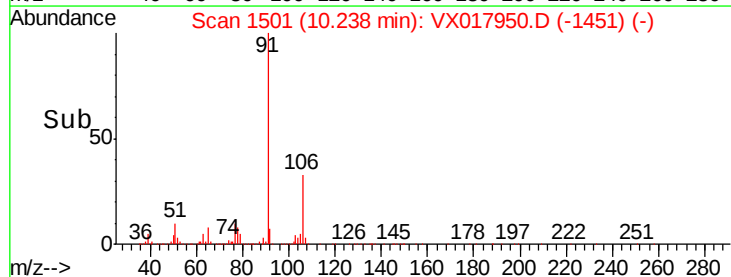
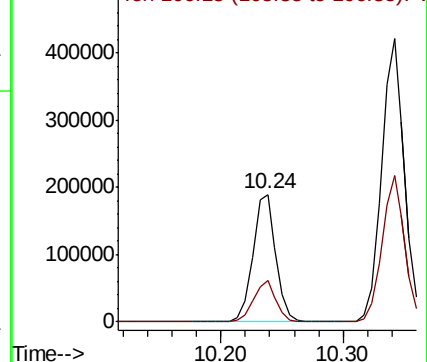
91 100

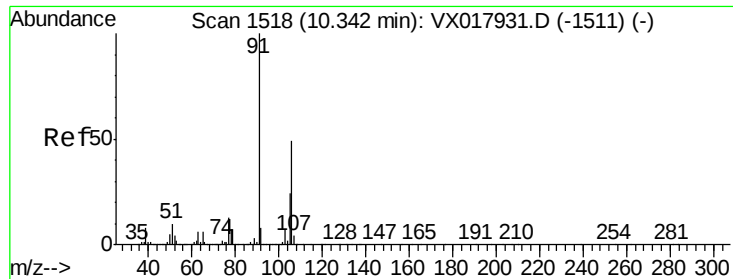
106 32.7 22.5 41.9



Abundance Ion 91.15 (90.85 to 91.85): VX0

Ion 106.15 (105.85 to 106.85): V





#55

m,p-xylene

Concen: 6.998 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX017950.D

Acq: 17 Aug 2020 20:20

Instrument :

MSVOA_X

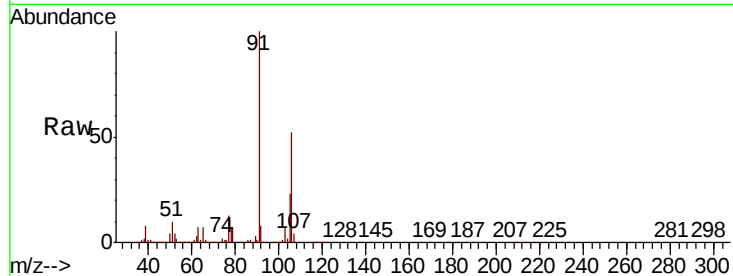
ClientSampleId :

Tot Ion:106 Resp: 278541

Ion Ratio Lower Upper

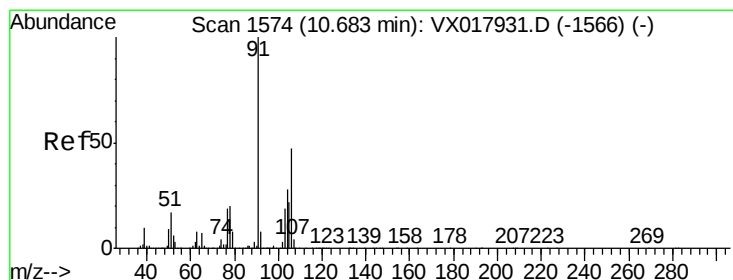
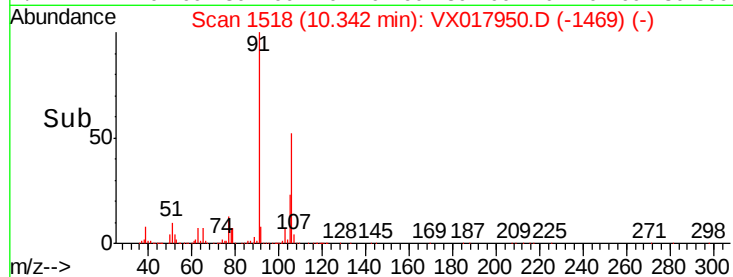
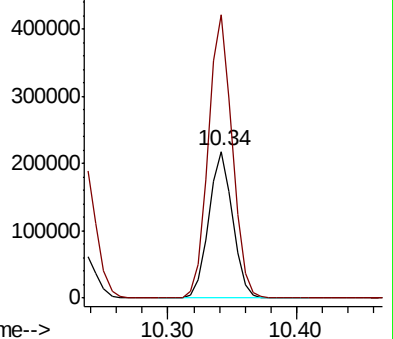
106 100

91 192.9 143.3 266.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0



#56

o-xylene

Concen: 2.078 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VX017950.D

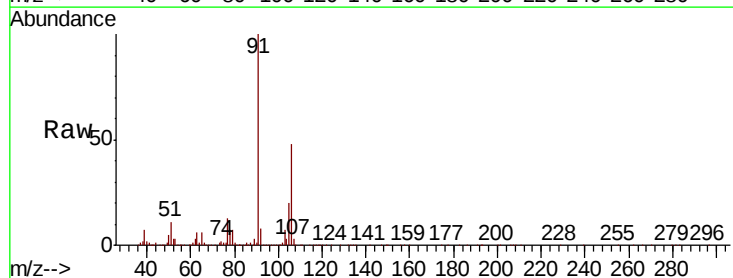
Acq: 17 Aug 2020 20:20

Tgt Ion:106 Resp: 80206

Ion Ratio Lower Upper

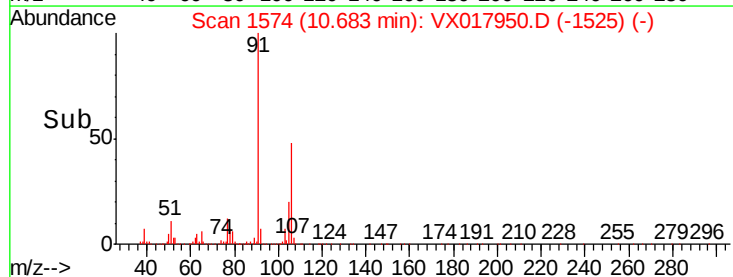
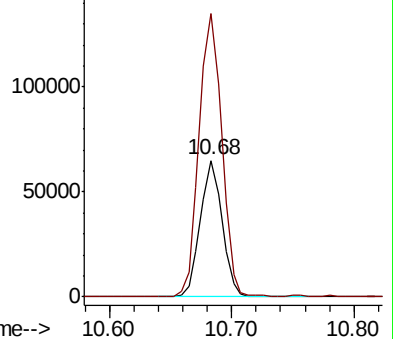
106 100

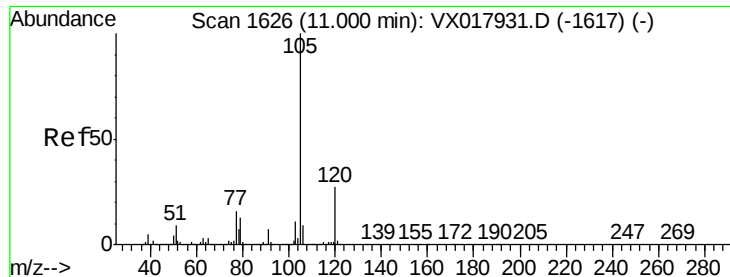
91 207.2 149.8 278.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0





#58

Isopropylbenzene

Concen: 0.379 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX017950.D

Acq: 17 Aug 2020 20:20

Instrument :

MSVOA_X

ClientSampleId :

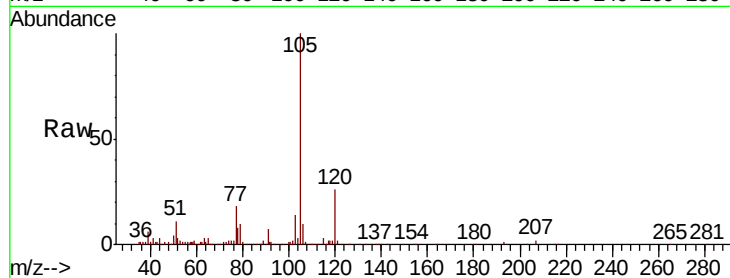
Tot Ion:105 Resp: 39166

Ion Ratio Lower Upper

105 100

120 28.5 21.8 32.6

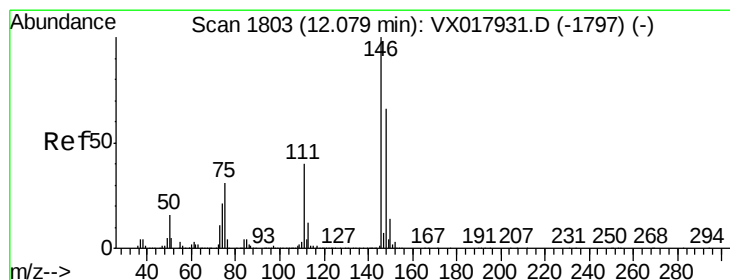
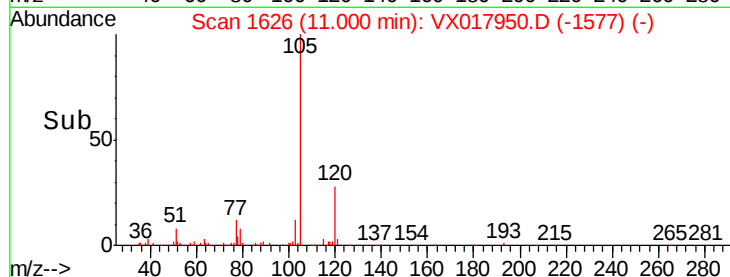
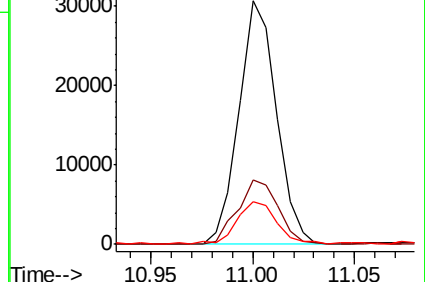
77 18.9 12.8 19.2



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



#64

1,4-Dichlorobenzene

Concen: 0.210 ug/L

RT: 12.08 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VX017950.D

Acq: 17 Aug 2020 20:20

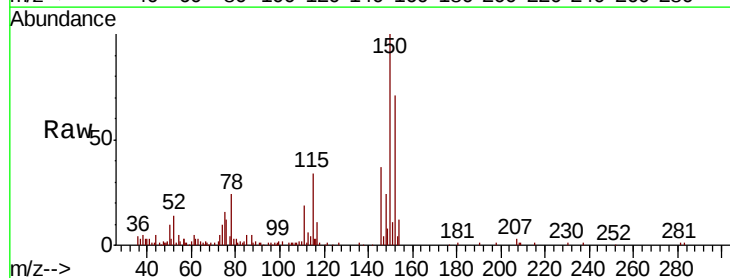
Tgt Ion:146 Resp: 8454

Ion Ratio Lower Upper

146 100

111 49.7 26.0 48.2#

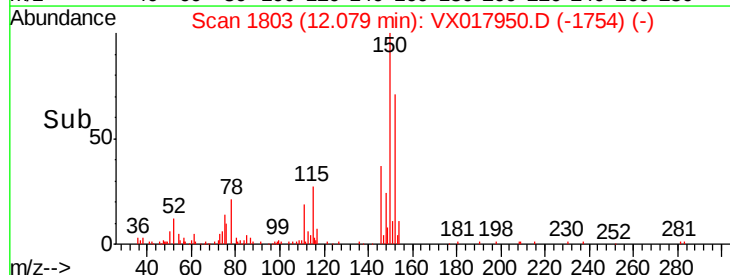
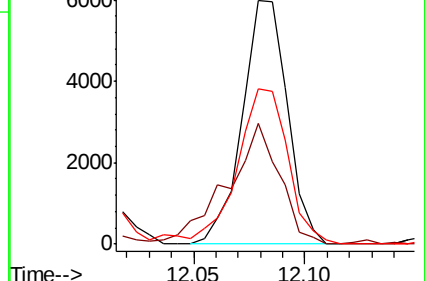
148 63.9 43.2 80.2

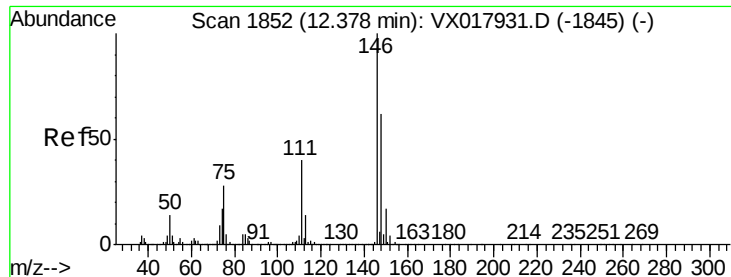


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

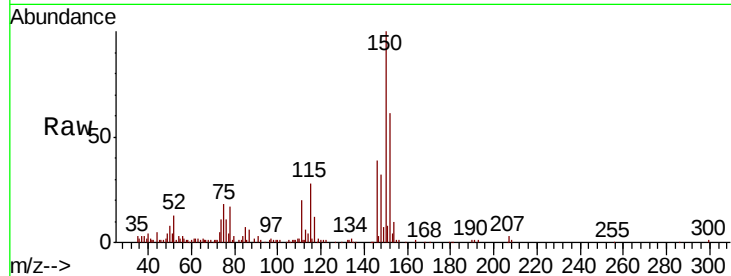




#66
 1,2-Dichlorobenzene
 Concen: 0.276 ug/L
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VX017950.D
 Acq: 17 Aug 2020 20:20

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	51.5	32.2	48.4#
148	82.8	52.3	78.5#

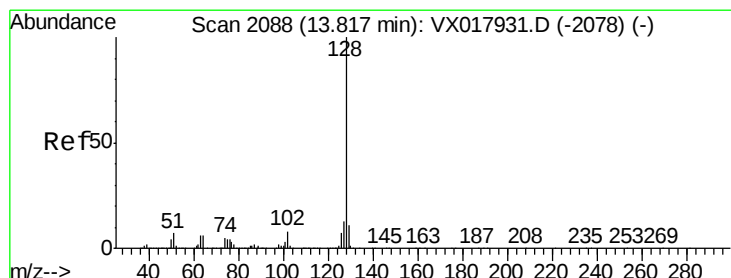
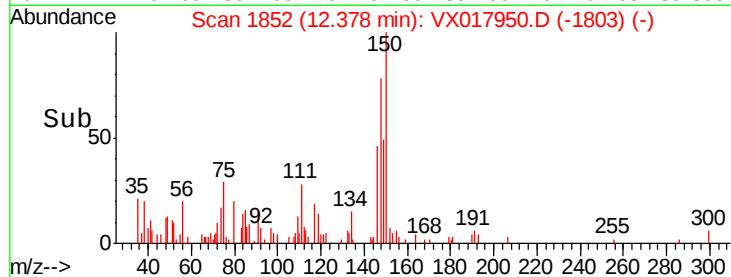
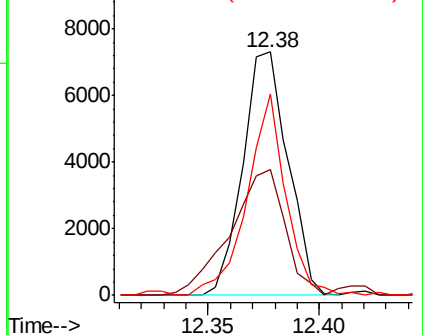


Abundance

Ion 145.95 (145.65 to 146.65): V

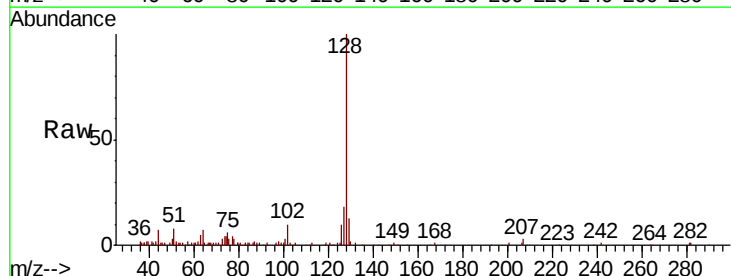
Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#70
 Naphthalene
 Concen: 0.426 ug/L
 RT: 13.82 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VX017950.D
 Acq: 17 Aug 2020 20:20

Tgt Ion	Ratio	Lower	Upper
128	100		
129	14.1	8.4	12.6#
127	16.1	11.0	16.4



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

