

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100720\
 Data File : VX018822.D
 Acq On : 07 Oct 2020 19:48
 Operator : JC/SP
 Sample : L4286-04
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 C0AT7

Quant Time: Oct 08 01:20:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Oct 08 01:16:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	152691	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	143496	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	66109	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	33463	3.75	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.00%
7) Chloroethane-d5	1.70	69	33045	4.73	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.60%
11) 1,1-Dichloroethene-d2	2.34	63	62477	3.11	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.20%
20) 2-Butanone-d5	4.56	46	145936	62.38	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	124.76%
24) Chloroform-d	5.14	84	99356	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.00%
26) 1,2-Dichloroethane-d4	6.03	65	58190	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.40%
32) Benzene-d6	6.05	84	172266	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.60%
36) 1,2-Dichloropropane-d6	7.37	67	55511	5.38	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.60%
41) Toluene-d8	8.70	98	149384	4.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.00%
45) trans-1,3-Dichloropropene-	8.99	79	24850	4.48	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.60%
48) 2-Hexanone-d5	9.43	63	115723	62.25	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	124.50%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	45599	5.44	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.80%
65) 1,2-Dichlorobenzene-d4	12.36	152	65412	5.36	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.31	50	6613	0.895	ug/L	95
5) Vinyl chloride	1.39	62	450	0.055	ug/L #	1
6) Bromomethane	1.64	94	462	0.095	ug/L	85
8) Chloroethane	1.48	64	20811	4.165	ug/L #	54
13) Acetone	2.46	43	21963	17.195	ug/L	99
14) Carbon disulfide	2.55	76	1244	0.052	ug/L #	77
15) Methyl Acetate	2.77	43	1659	0.528	ug/L #	80
21) 2-Butanone	4.81	43	104848	56.387	ug/L #	50
33) Benzene	6.12	78	1958	0.065	ug/L	100
35) Methylcyclohexane	7.37	83	14711	1.170	ug/L #	21
37) 1,2-Dichloropropane	7.37	63	7020	0.933	ug/L #	84
39) cis-1,3-Dichloropropene	8.37	75	2069	0.172	ug/L #	65
42) Toluene	8.76	91	13542	0.412	ug/L	95
51) Dibromochloromethane	9.56	129	652	0.079	ug/L	96
69) 1,2,4-trichlorobenzene	13.63	180	1161	0.113	ug/L #	74
70) Naphthalene	13.82	128	860	0.051	ug/L #	77

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Oct 08 01:16:58 2020
Response via : Initial Calibration

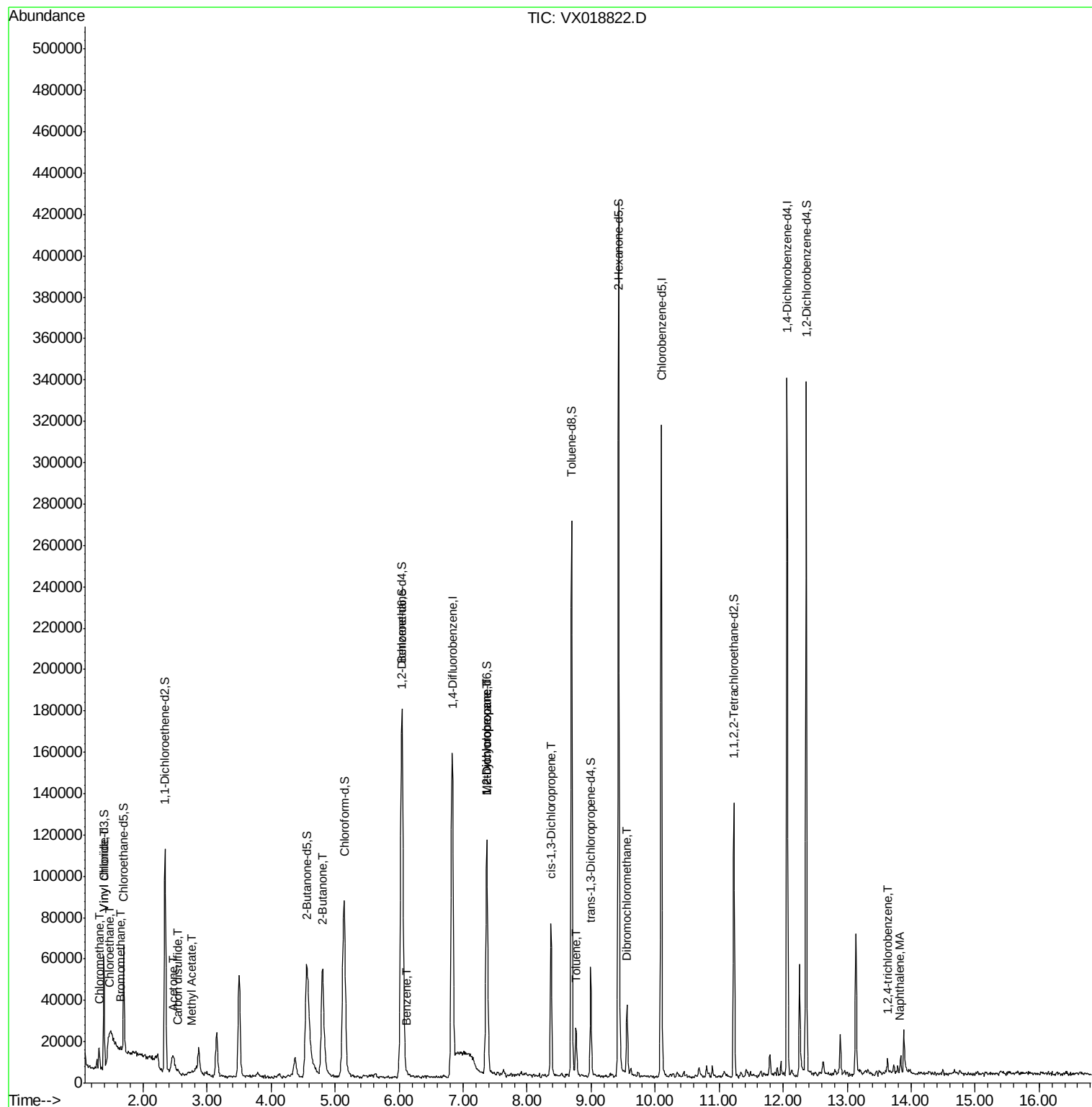
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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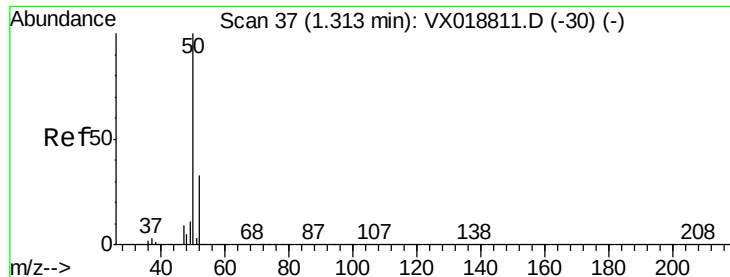
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.895 ug/L

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX018822.D

Acq: 07 Oct 2020 19:48

Instrument :

MSVOA_X

ClientSampleId :

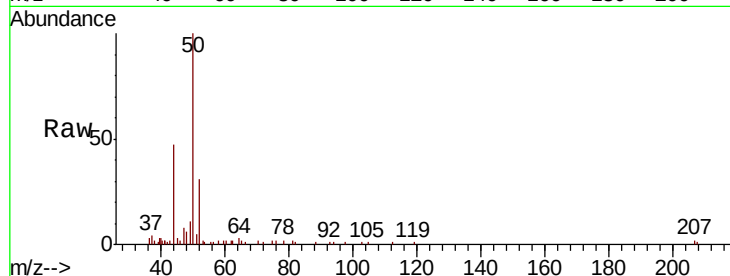
C0AT7

Tot Ion: 50 Resp: 6613

Ion Ratio Lower Upper

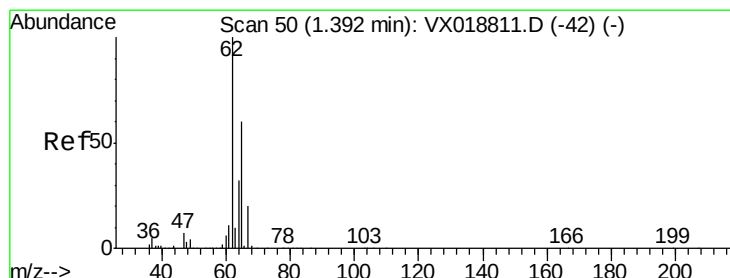
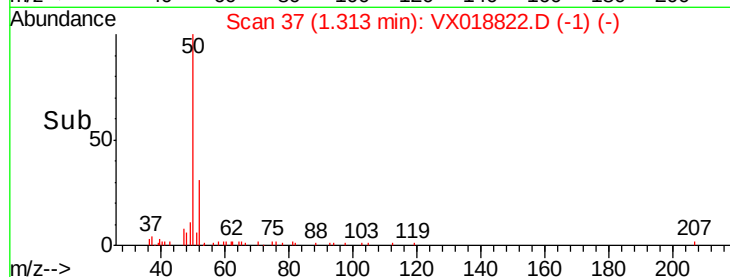
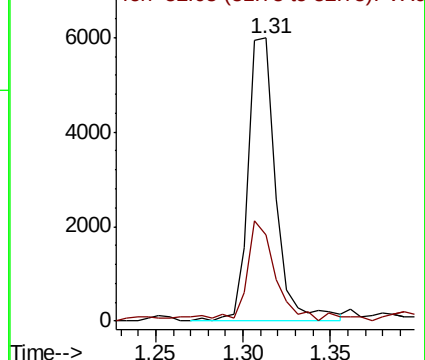
50 100

52 30.6 23.4 43.6



Abundance Ion 50.05 (49.75 to 50.75): VX0

Ion 52.05 (51.75 to 52.75): VX0



#5

Vinyl chloride

Concen: 0.055 ug/L

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX018822.D

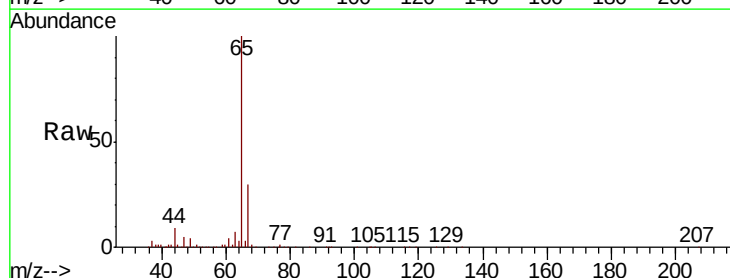
Acq: 07 Oct 2020 19:48

Tgt Ion: 62 Resp: 450

Ion Ratio Lower Upper

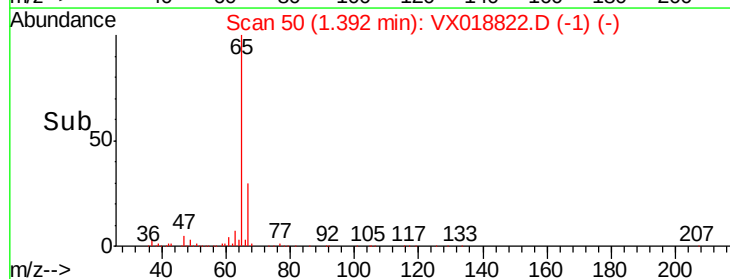
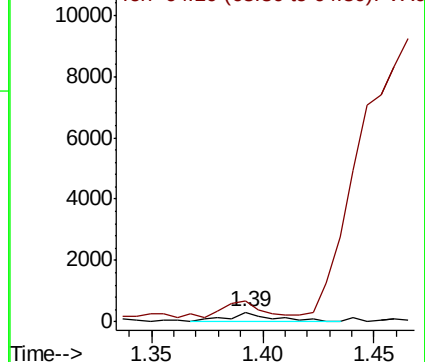
62 100

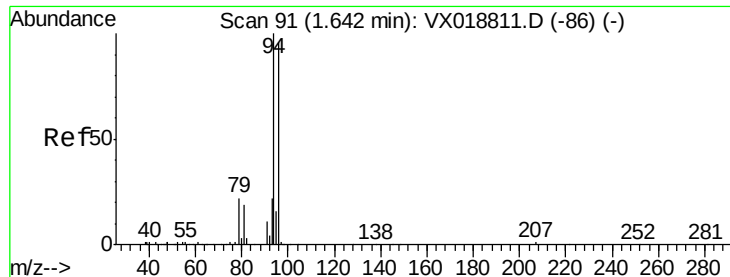
64 209.9 24.3 45.1#



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.10 (63.80 to 64.80): VX0





#6

Bromomethane

Concen: 0.095 ug/L

RT: 1.64 min Scan# 91

Delta R.T. 0.00 min

Lab File: VX018822.D

Acq: 07 Oct 2020 19:48

Instrument :

MSVOA_X

ClientSampleId :

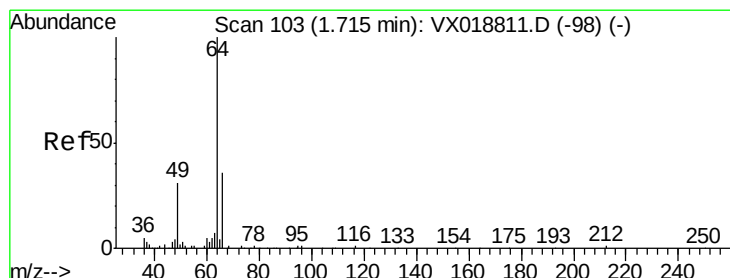
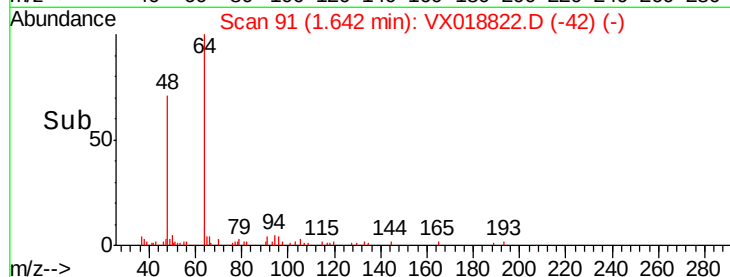
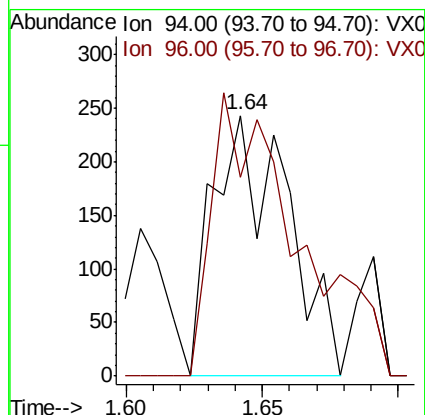
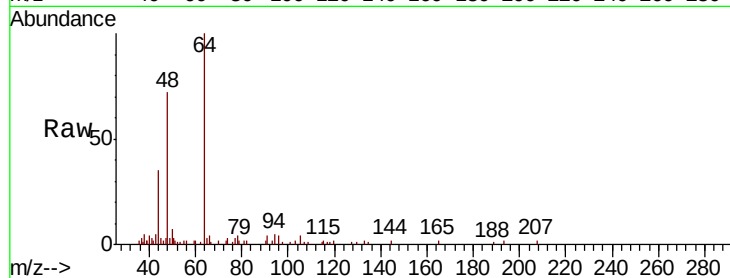
C0AT7

Tot Ion: 94 Resp: 462

Ion Ratio Lower Upper

94 100

96 76.5 63.5 117.9



#8

Chloroethane

Concen: 4.165 ug/L

RT: 1.48 min Scan# 64

Delta R.T. -0.24 min

Lab File: VX018822.D

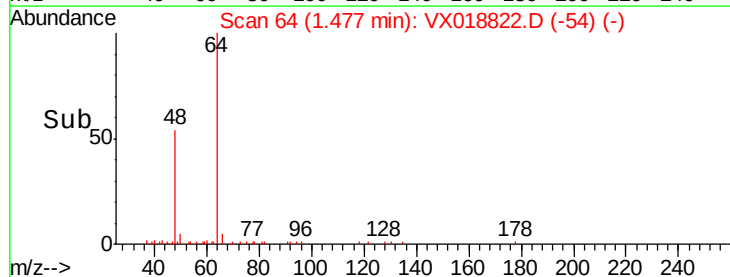
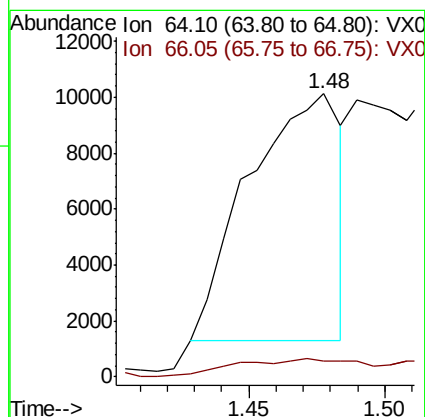
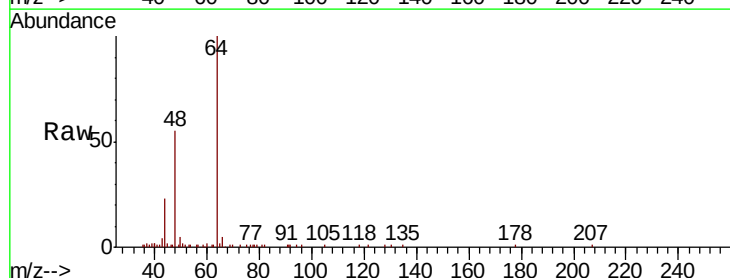
Acq: 07 Oct 2020 19:48

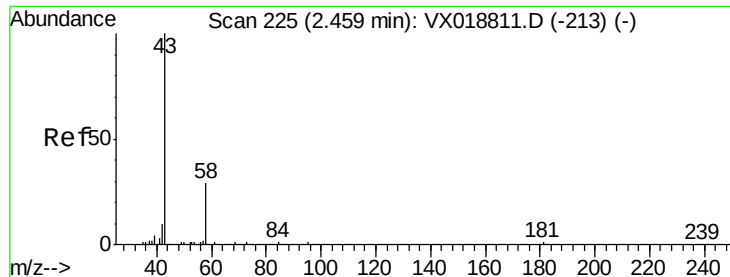
Tgt Ion: 64 Resp: 20811

Ion Ratio Lower Upper

64 100

66 5.5 21.5 39.9#





#13

Acetone

Concen: 17.195 ug/L

RT: 2.46 min Scan# 226

Delta R.T. 0.01 min

Lab File: VX018822.D

Acq: 07 Oct 2020 19:48

Instrument :

MSVOA_X

ClientSampleId :

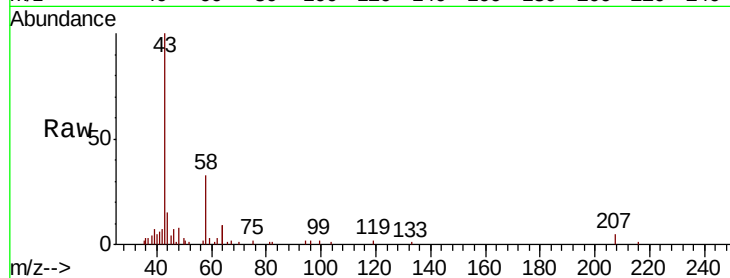
C0AT7

Tot Ion: 43 Resp: 21963

Ion Ratio Lower Upper

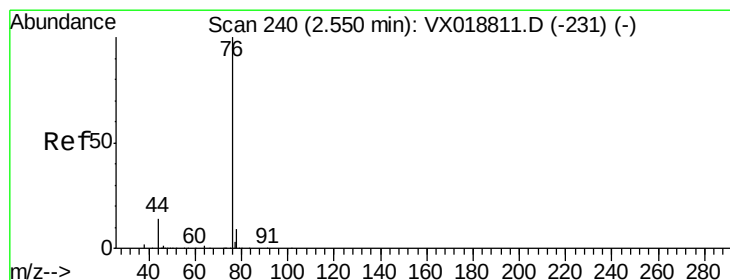
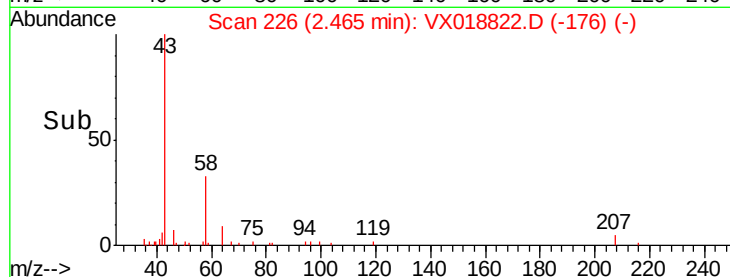
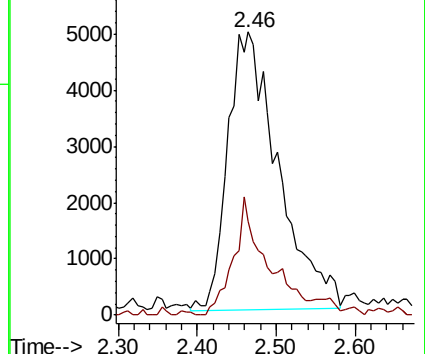
43 100

58 28.6 0.0 56.4



Abundance Ion 43.05 (42.75 to 43.75): VX0

Ion 58.05 (57.75 to 58.75): VX0



#14

Carbon disulfide

Concen: 0.052 ug/L

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX018822.D

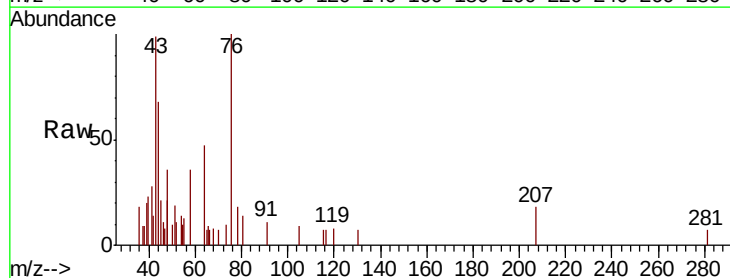
Acq: 07 Oct 2020 19:48

Tgt Ion: 76 Resp: 1244

Ion Ratio Lower Upper

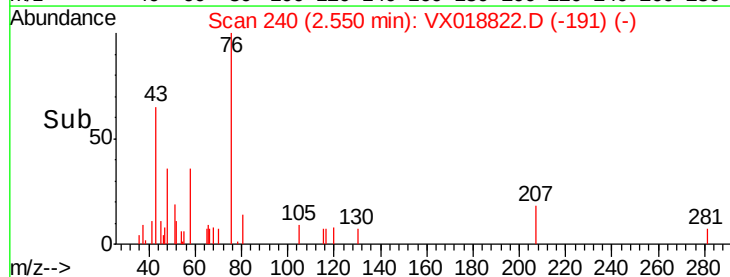
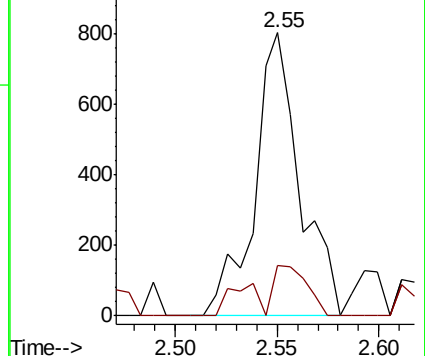
76 100

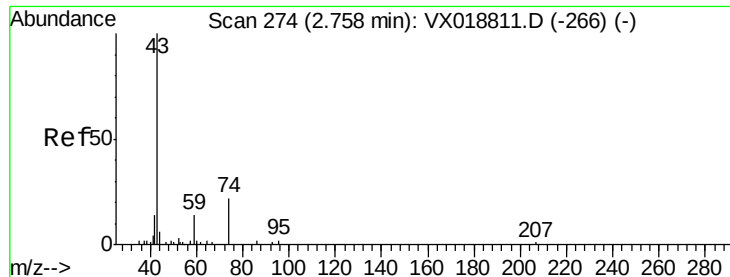
78 17.7 7.4 11.2#



Abundance Ion 76.05 (75.75 to 76.75): VX0

Ion 78.00 (77.70 to 78.70): VX0

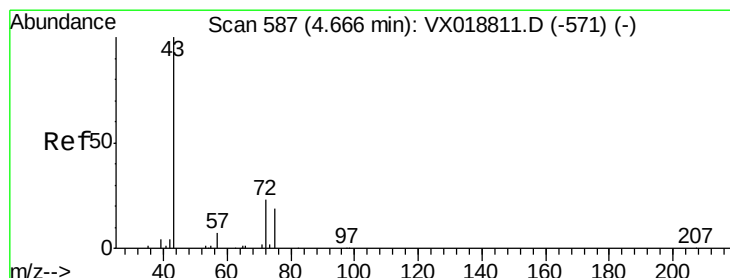
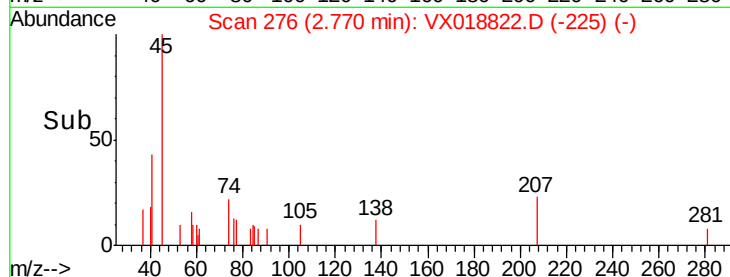
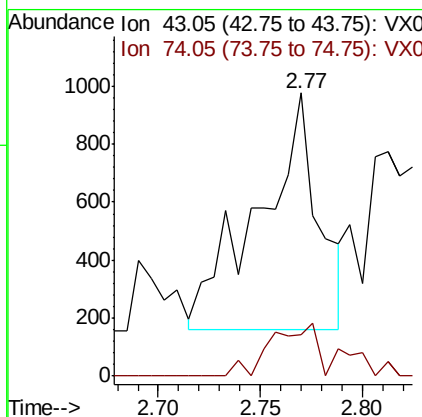
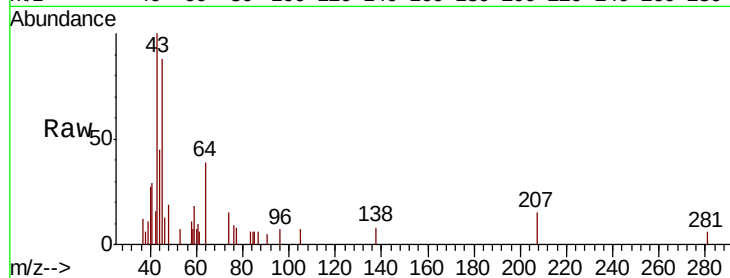




#15
Methvl Acetate
Concen: 0.528 ug/L
RT: 2.77 min Scan# 276
Delta R.T. 0.01 min
Lab File: VX018822.D
Acq: 07 Oct 2020 19:48

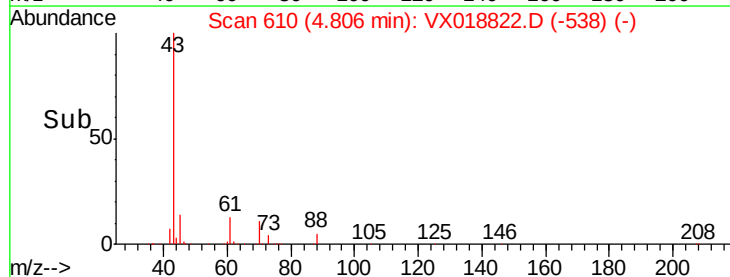
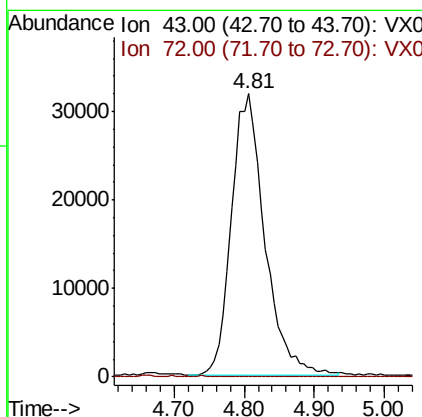
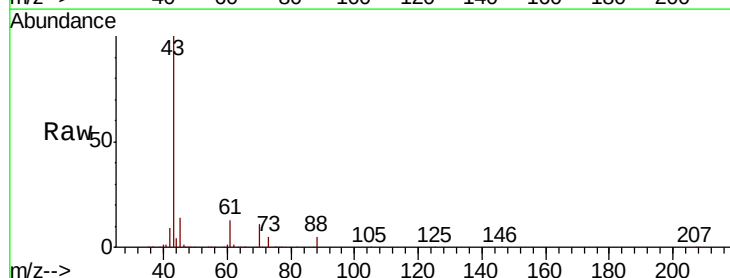
Instrument :
MSVOA_X
ClientSampled :
C0AT7

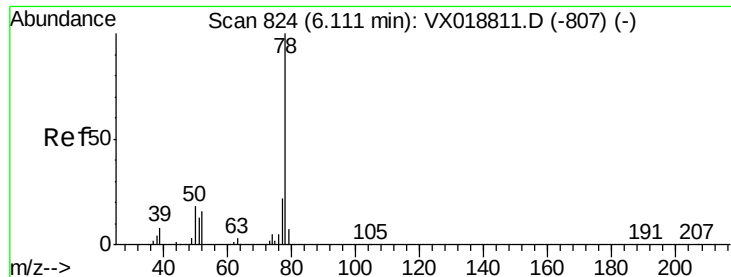
Tot Ion: 43 Resp: 1659
Ion Ratio Lower Upper
43 100
74 16.9 21.9 32.9#



#21
2-Butanone
Concen: 56.387 ug/L
RT: 4.81 min Scan# 610
Delta R.T. 0.14 min
Lab File: VX018822.D
Acq: 07 Oct 2020 19:48

Tgt Ion: 43 Resp: 104848
Ion Ratio Lower Upper
43 100
72 0.0 12.4 37.2#

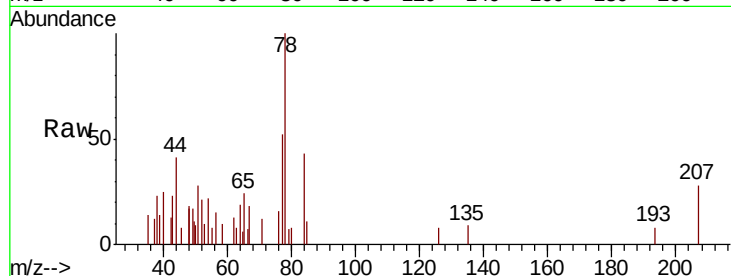




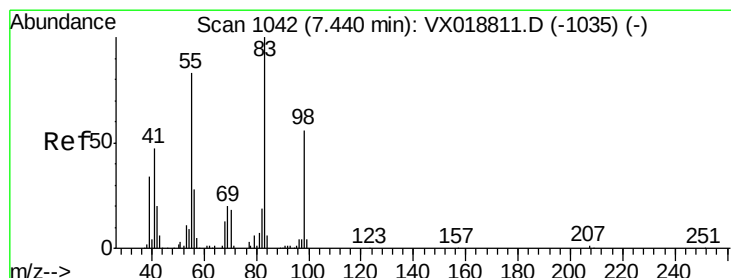
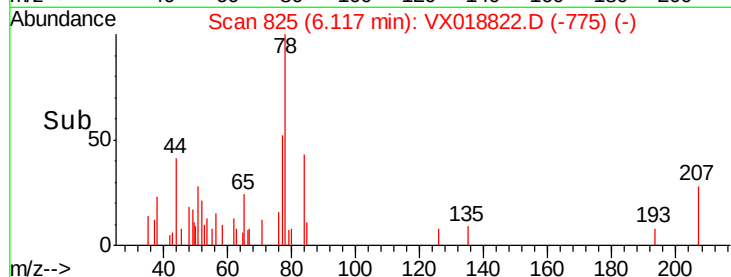
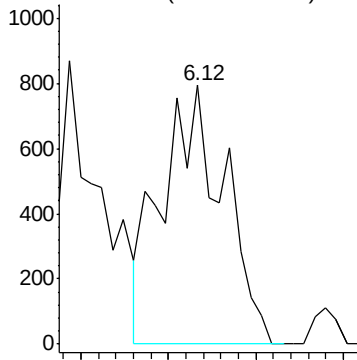
#33
Benzene
Concen: 0.065 ug/L
RT: 6.12 min Scan# 825
Delta R.T. 0.01 min
Lab File: VX018822.D
Acq: 07 Oct 2020 19:48

Instrument :
MSVOA_X
ClientSampleId :
C0AT7

Tgt Ion: 78 Resp: 1958

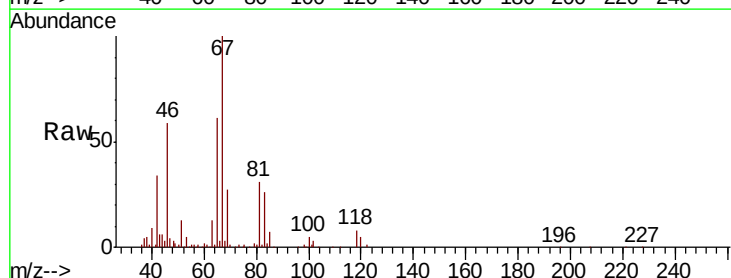


Abundance Ion 78.10 (77.80 to 78.80): VX0



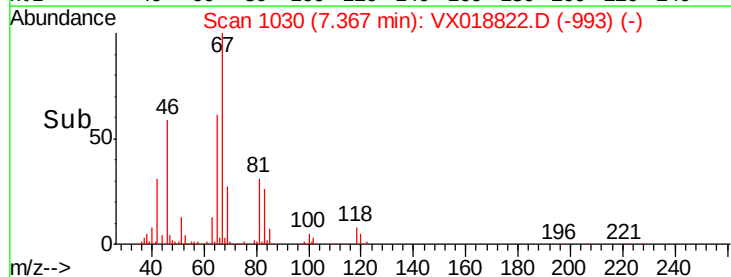
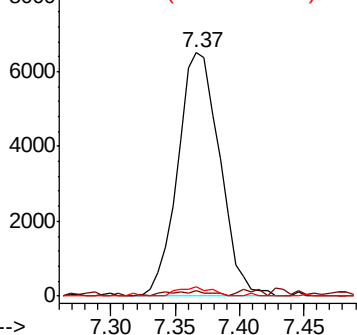
#35
Methylcyclohexane
Concen: 1.170 ug/L
RT: 7.37 min Scan# 1030
Delta R.T. -0.07 min
Lab File: VX018822.D
Acq: 07 Oct 2020 19:48

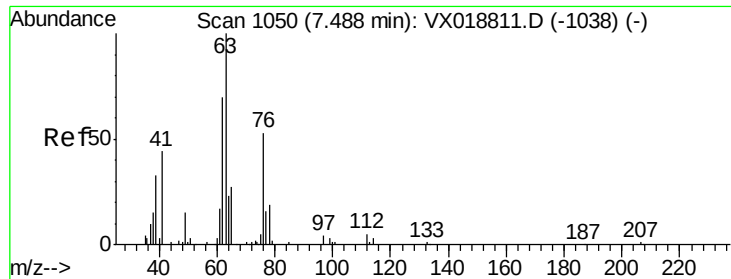
Tgt Ion: 83 Resp: 14711
Ion Ratio Lower Upper
83 100
55 1.5 60.3 90.5#
98 2.8 39.4 59.0#



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

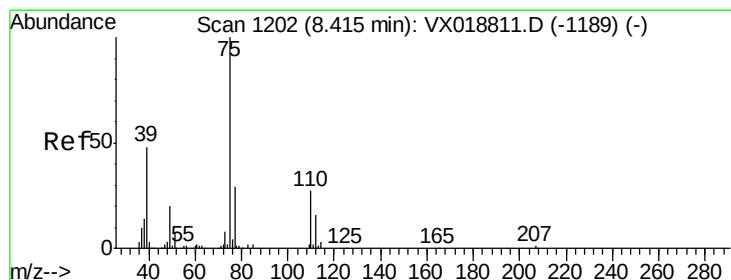
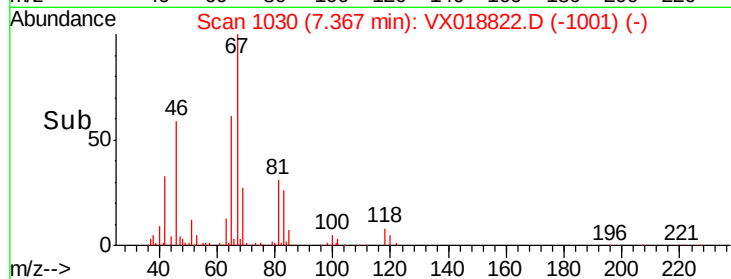
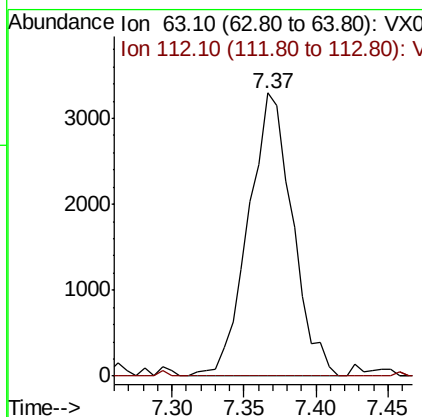
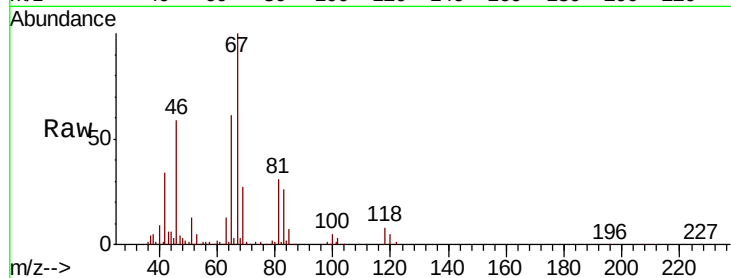




#37
 1,2-Dichloropropane
 Concen: 0.933 ug/L
 RT: 7.37 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VX018822.D
 Acq: 07 Oct 2020 19:48

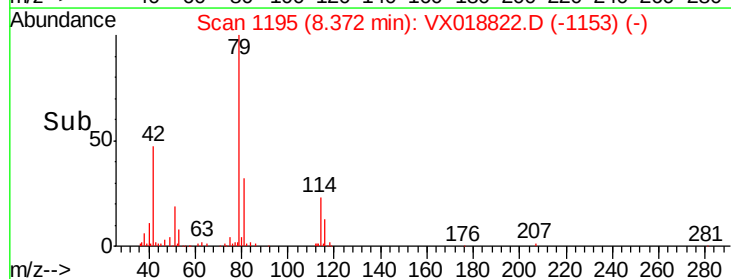
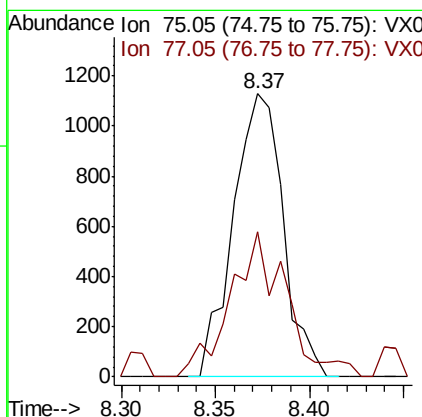
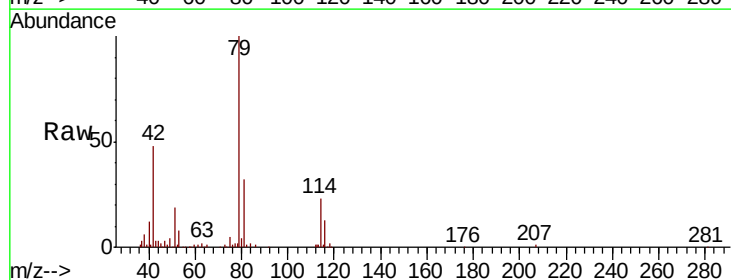
Instrument :
 MSVOA_X
 ClientSampleId :
 C0AT7

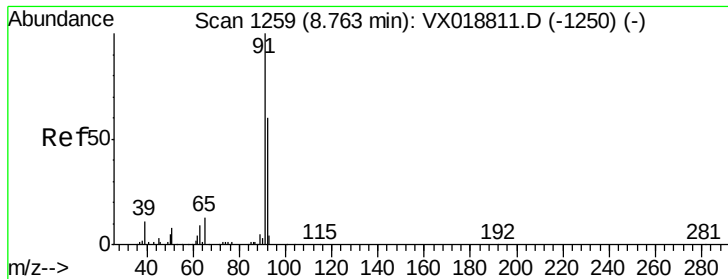
Tot Ion: 63 Resp: 7020
 Ion Ratio Lower Upper
 63 100
 112 0.4 4.7 7.1#



#39
 cis-1,3-Dichloropropene
 Concen: 0.172 ug/L
 RT: 8.37 min Scan# 1195
 Delta R.T. -0.04 min
 Lab File: VX018822.D
 Acq: 07 Oct 2020 19:48

Tgt Ion: 75 Resp: 2069
 Ion Ratio Lower Upper
 75 100
 77 51.4 22.5 41.7#





#42

Toluene

Concen: 0.412 ug/L

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX018822.D

Acq: 07 Oct 2020 19:48

Instrument :

MSVOA_X

ClientSampleId :

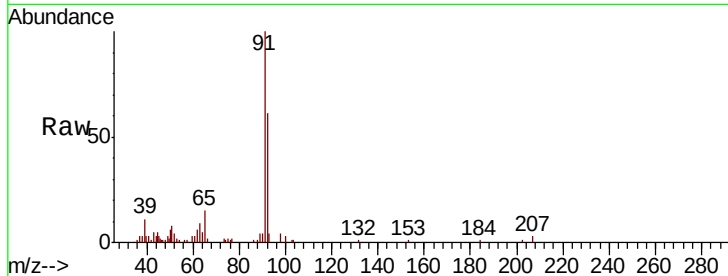
C0AT7

Tot Ion: 91 Resp: 13542

Ion Ratio Lower Upper

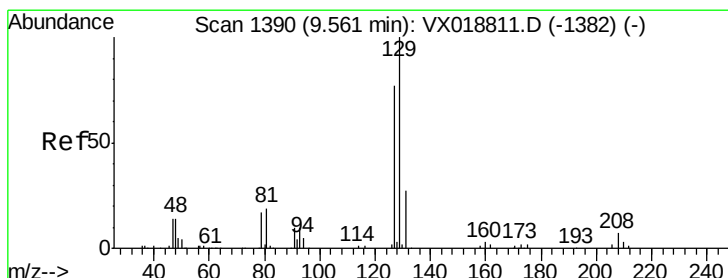
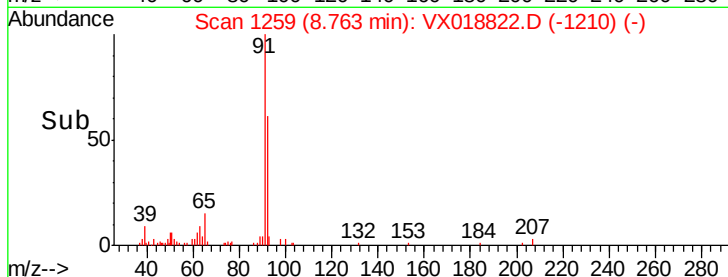
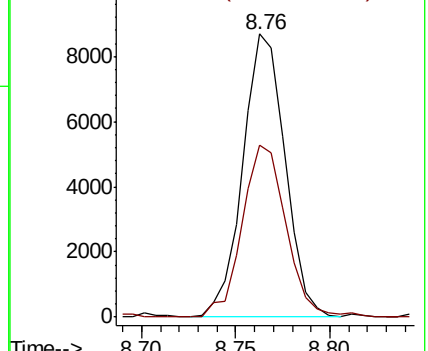
91 100

92 61.0 40.3 74.9



Abundance Ion 91.15 (90.85 to 91.85): VX018811.D (-1250) (-)

Ion 92.15 (91.85 to 92.85): VX018811.D (-1250) (-)



#51

Dibromochloromethane

Concen: 0.079 ug/L

RT: 9.56 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VX018822.D

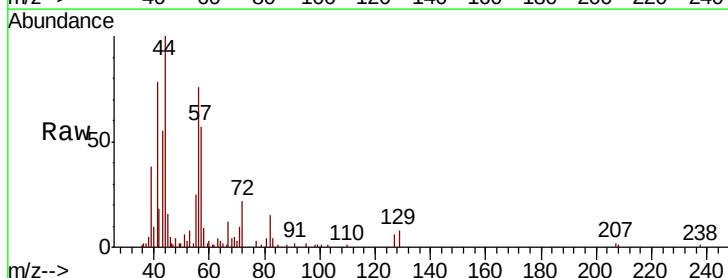
Acq: 07 Oct 2020 19:48

Tgt Ion: 129 Resp: 652

Ion Ratio Lower Upper

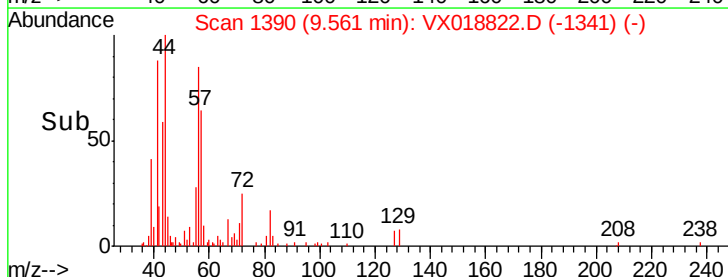
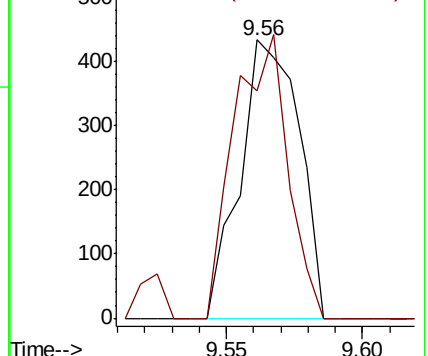
129 100

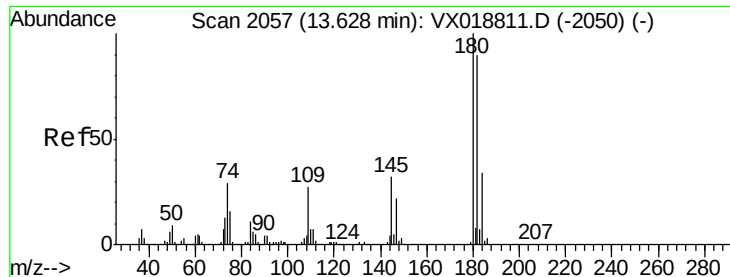
127 81.6 54.5 101.1



Abundance Ion 128.95 (128.65 to 129.65): VX018811.D (-1382) (-)

Ion 126.90 (126.60 to 127.60): VX018811.D (-1382) (-)





#69

1,2,4-trichlorobenzene

Concen: 0.113 ug/L

RT: 13.63 min Scan# 2057

Delta R.T. 0.00 min

Lab File: VX018822.D

Acq: 07 Oct 2020 19:48

Instrument :

MSVOA_X

ClientSampled :

C0AT7

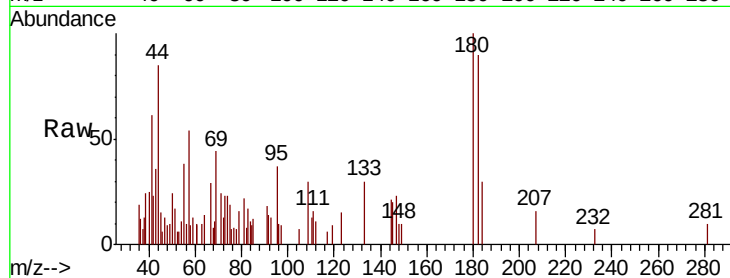
Tot Ion:180 Resp: 1161

Ion Ratio Lower Upper

180 100

182 67.4 80.2 120.4#

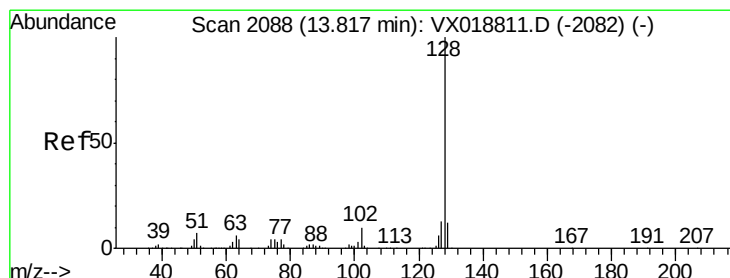
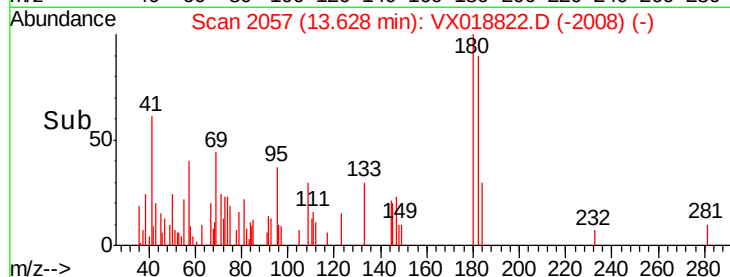
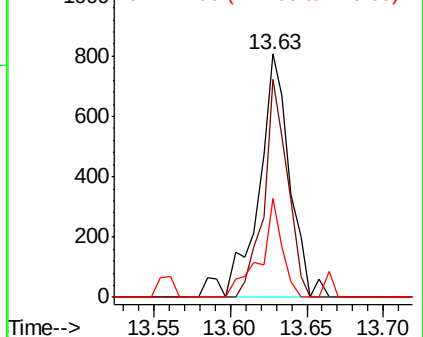
145 28.4 25.2 37.8



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



#70

Naphthalene

Concen: 0.051 ug/L

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX018822.D

Acq: 07 Oct 2020 19:48

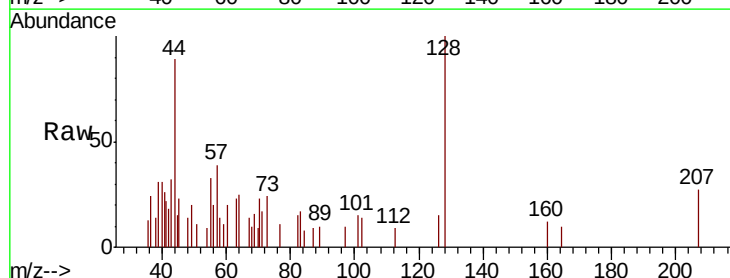
Tgt Ion:128 Resp: 860

Ion Ratio Lower Upper

128 100

129 3.8 9.0 13.4#

127 2.3 10.5 15.7#



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

