

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100720\
 Data File : VX018827.D
 Acq On : 07 Oct 2020 21:56
 Operator : JC/SP
 Sample : L4286-01
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 C0AR3

Quant Time: Oct 08 01:21:16 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	140441	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	135628	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	61568	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	31394	3.82	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.40%
7) Chloroethane-d5	1.70	69	30743	4.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.80%
11) 1,1-Dichloroethene-d2	2.34	63	57790	3.12	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.40%
20) 2-Butanone-d5	4.54	46	137436	63.87	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	127.74%
24) Chloroform-d	5.14	84	92721	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.40%
26) 1,2-Dichloroethane-d4	6.03	65	57716	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.20%
32) Benzene-d6	6.05	84	161175	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.60%
36) 1,2-Dichloropropane-d6	7.37	67	51104	5.24	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.80%
41) Toluene-d8	8.70	98	140146	4.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.40%
45) trans-1,3-Dichloropropene-	8.99	79	22199	4.23	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.60%
48) 2-Hexanone-d5	9.43	63	105476	60.03	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	120.06%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	41541	5.24	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.80%
65) 1,2-Dichlorobenzene-d4	12.36	152	60177	5.30	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.00%

Target Compounds

					Ovalue
3) Chloromethane	1.31	50	3478	0.512 ug/L	85
6) Bromomethane	1.64	94	388	0.086 ug/L	92
8) Chloroethane	1.71	64	477	0.104 ug/L	94
13) Acetone	2.45	43	19204	16.346 ug/L	96
14) Carbon disulfide	2.56	76	1119	0.051 ug/L #	85
15) Methyl Acetate	2.74	43	406	0.141 ug/L #	62
16) Methylene chloride	2.84	84	961	0.113 ug/L	87
17) Methyl tert-butyl Ether	3.16	73	48576	2.692 ug/L #	92
21) 2-Butanone	4.67	43	2705	1.582 ug/L	82
25) Chloroform	5.17	83	3370	0.221 ug/L	88
33) Benzene	6.11	78	1770	0.062 ug/L	100
35) Methylcyclohexane	7.37	83	13742	1.156 ug/L #	20
37) 1,2-Dichloropropane	7.37	63	6719	0.944 ug/L #	90
39) cis-1,3-Dichloropropene	8.38	75	1728	0.152 ug/L #	17
42) Toluene	8.76	91	4267	0.137 ug/L	87
55) m,p-xylene	10.34	106	988	0.073 ug/L	96

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QLast Update : Thu Oct 08 01:16:58 2020
Response via : Initial Calibration

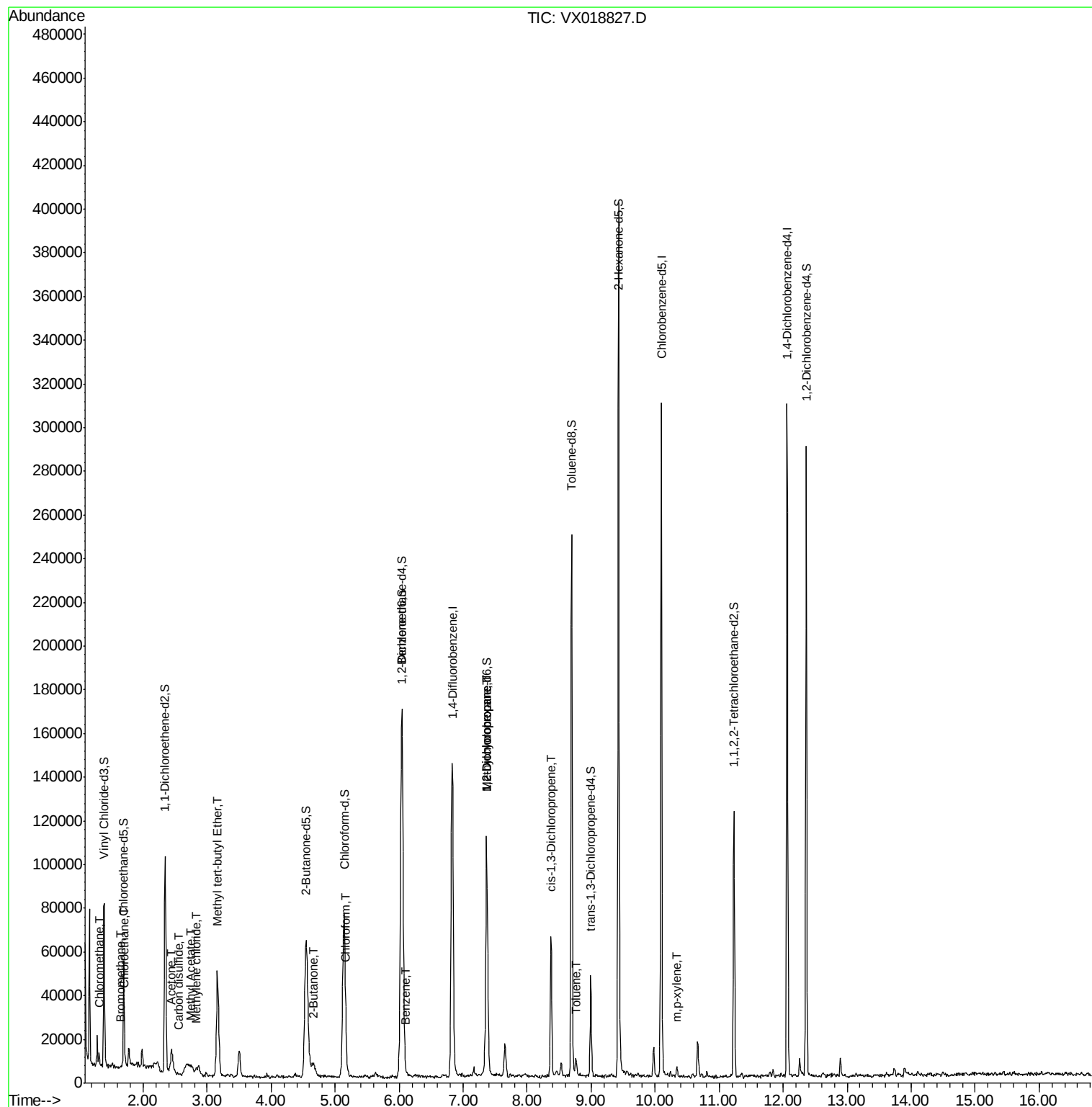
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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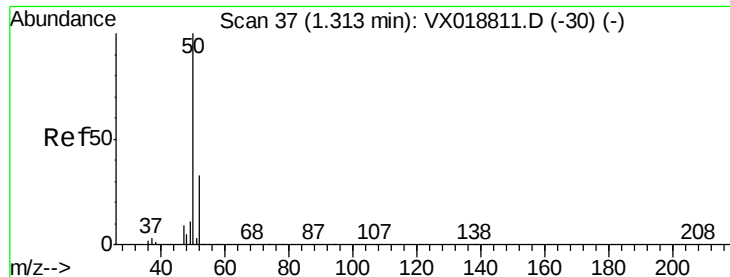
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.512 ug/L

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX018827.D

Acq: 07 Oct 2020 21:56

Instrument :

MSVOA_X

ClientSampleId :

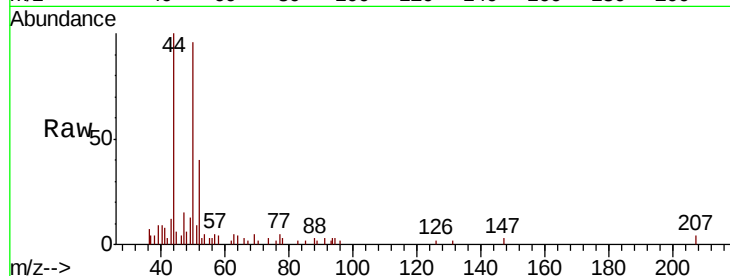
C0AR3

Tot Ion: 50 Resp: 3478

Ion Ratio Lower Upper

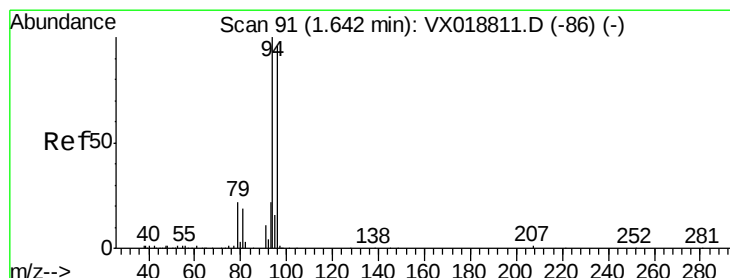
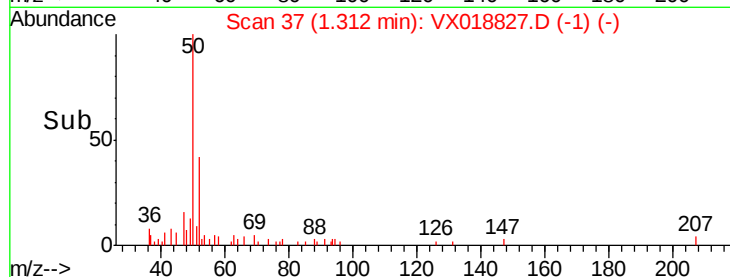
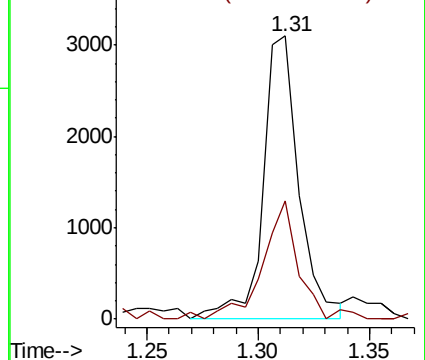
50 100

52 41.8 23.4 43.6



Abundance Ion 50.05 (49.75 to 50.75): VX0

Ion 52.05 (51.75 to 52.75): VX0



#6

Bromomethane

Concen: 0.086 ug/L

RT: 1.64 min Scan# 90

Delta R.T. -0.01 min

Lab File: VX018827.D

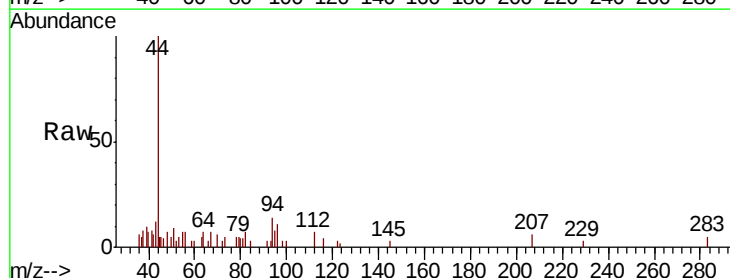
Acq: 07 Oct 2020 21:56

Tgt Ion: 94 Resp: 388

Ion Ratio Lower Upper

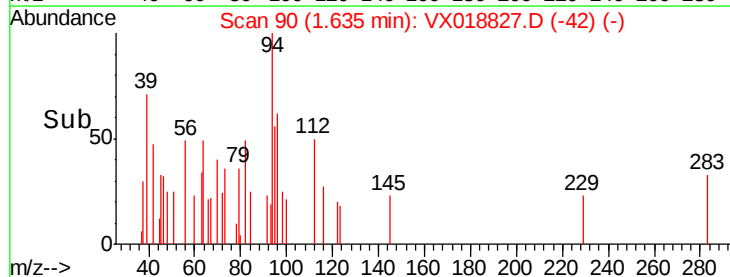
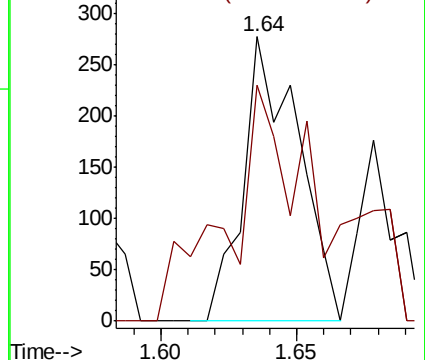
94 100

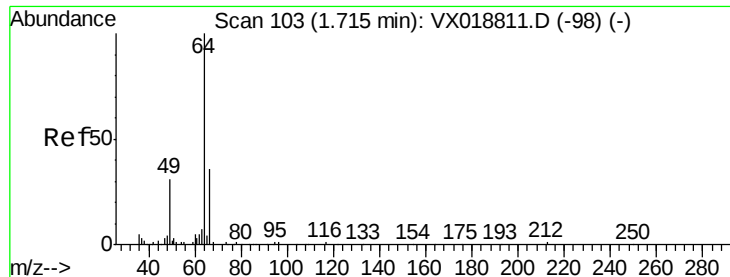
96 83.0 63.5 117.9



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0

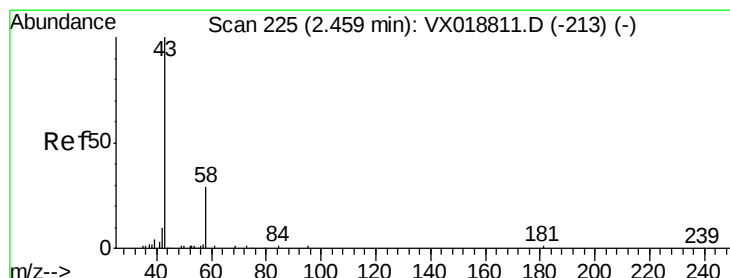
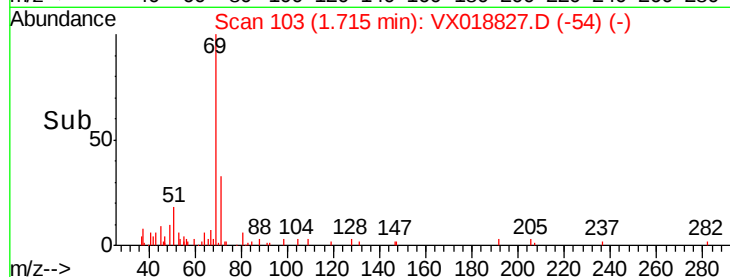
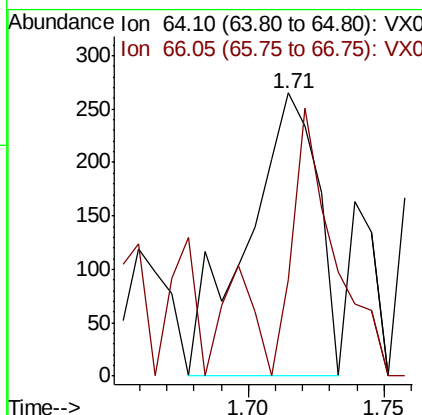
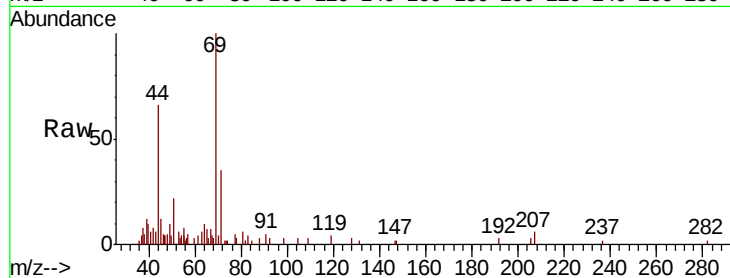




#8
Chloroethane
Concen: 0.104 ug/L
RT: 1.71 min Scan# 103
Delta R.T. -0.00 min
Lab File: VX018827.D
Acq: 07 Oct 2020 21:56

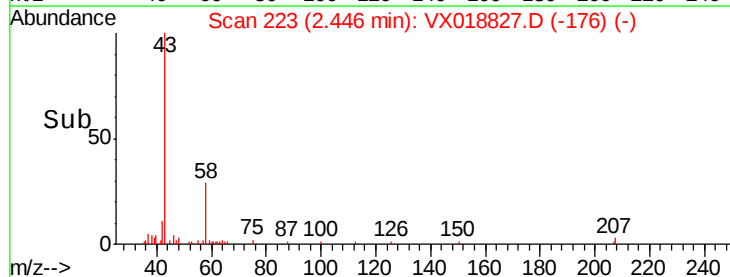
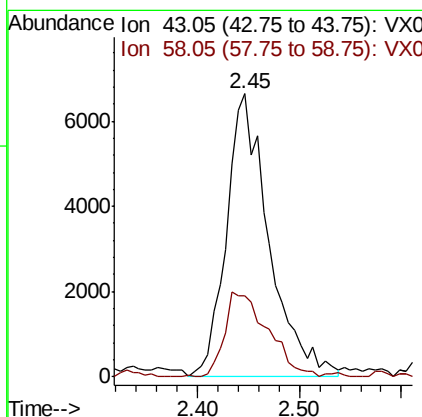
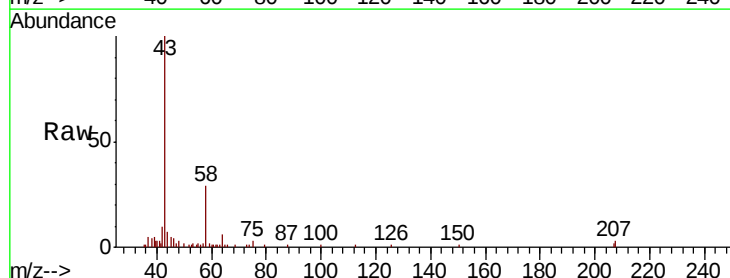
Instrument :
MSVOA_X
ClientSampled :
C0AR3

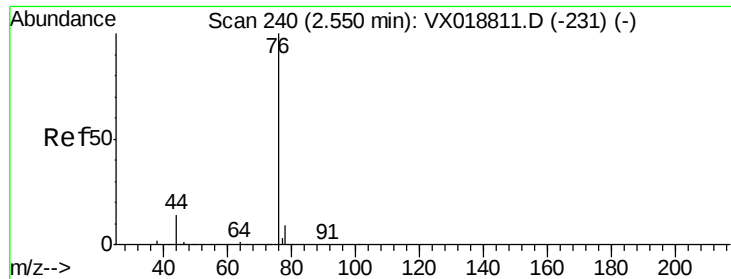
Tot Ion: 64 Resp: 477
Ion Ratio Lower Upper
64 100
66 34.0 21.5 39.9



#13
Acetone
Concen: 16.346 ug/L
RT: 2.45 min Scan# 223
Delta R.T. -0.01 min
Lab File: VX018827.D
Acq: 07 Oct 2020 21:56

Tgt Ion: 43 Resp: 19204
Ion Ratio Lower Upper
43 100
58 30.3 0.0 56.4





#14

Carbon disulfide

Concen: 0.051 ug/L

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX018827.D

Acq: 07 Oct 2020 21:56

Instrument :

MSVOA_X

ClientSampleId :

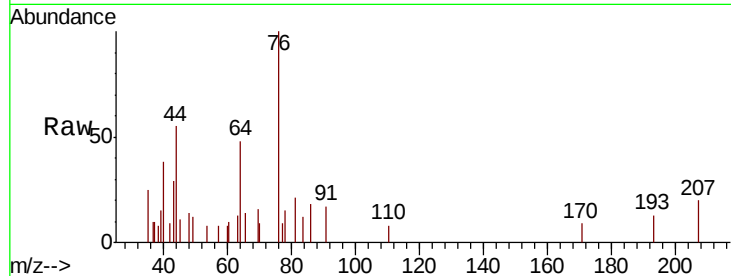
C0AR3

Tot Ion: 76 Resp: 1119

Ion Ratio Lower Upper

76 100

78 14.9 7.4 11.2#



Abundance Ion 76.05 (75.75 to 76.75): VX0

Ion 78.00 (77.70 to 78.70): VX0

2.56

600

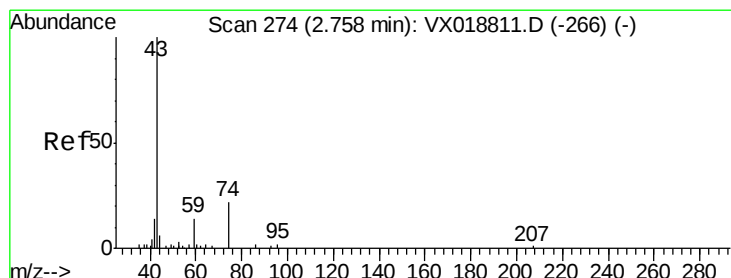
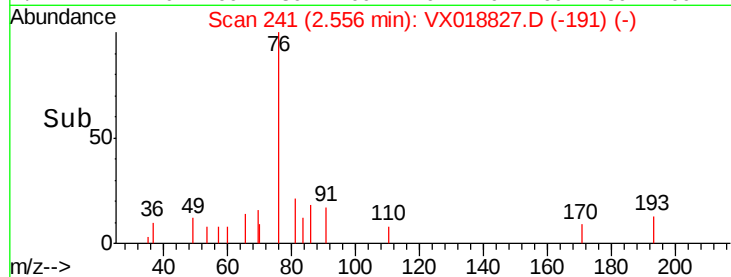
400

200

0

2.50 2.55 2.60

Time-->



#15

Methyl Acetate

Concen: 0.141 ug/L

RT: 2.74 min Scan# 271

Delta R.T. -0.02 min

Lab File: VX018827.D

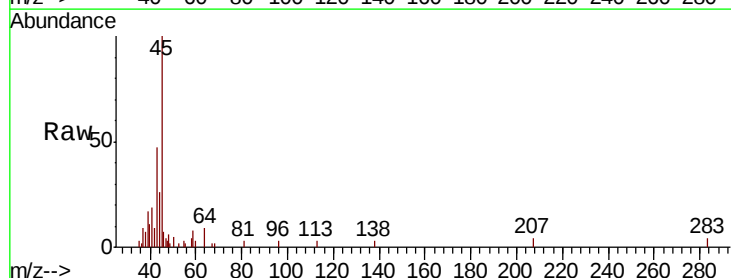
Acq: 07 Oct 2020 21:56

Tgt Ion: 43 Resp: 406

Ion Ratio Lower Upper

43 100

74 7.6 21.9 32.9#



Abundance Ion 43.05 (42.75 to 43.75): VX0

Ion 74.05 (73.75 to 74.75): VX0

1500

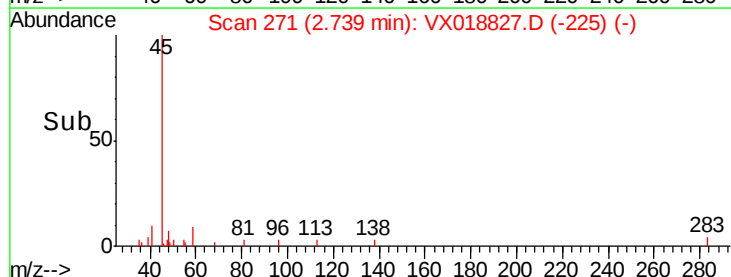
1000

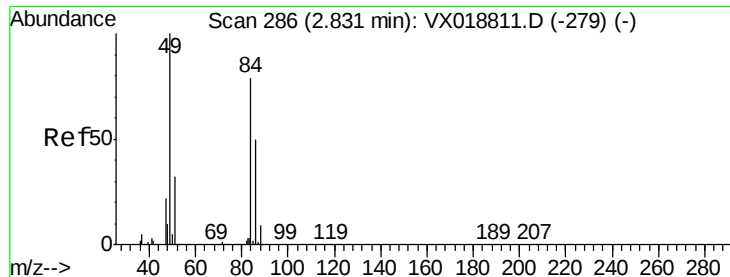
500

0

2.70 2.72 2.74

Time-->

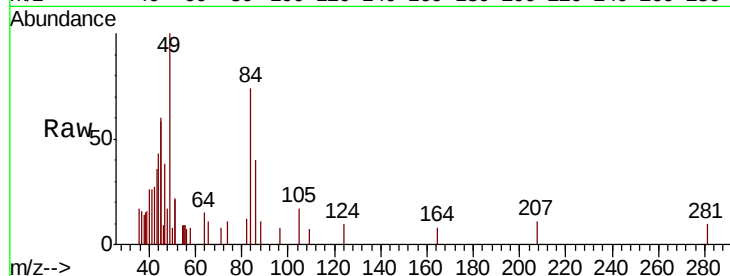




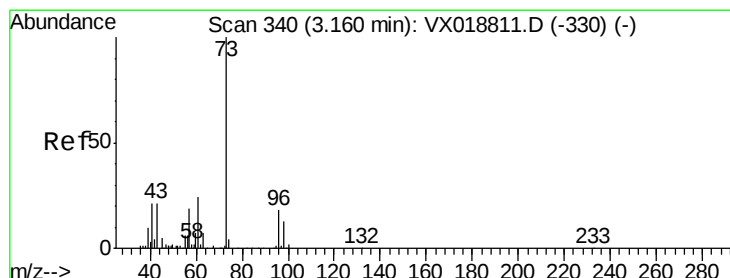
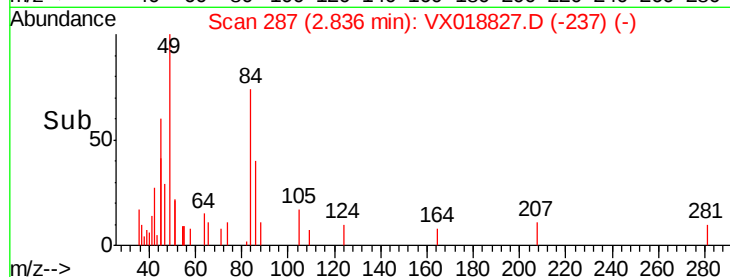
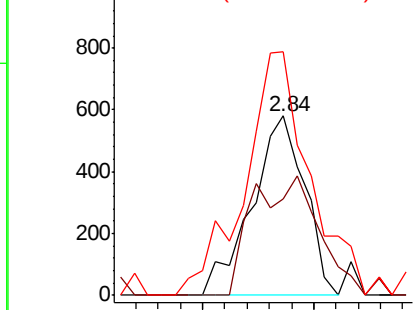
#16
Methvlene chloride
Concen: 0.113 ug/L
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018827.D
Acq: 07 Oct 2020 21:56

Instrument :
MSVOA_X
ClientSampled :
C0AR3

Tot Ion: 84 Resp: 961
Ion Ratio Lower Upper
84 100
86 54.0 45.6 84.8
49 135.9 85.8 159.3

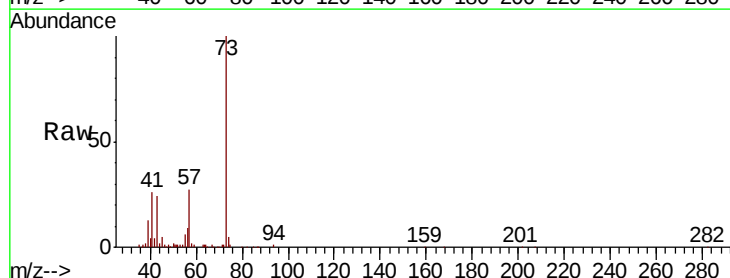


Abundance Ion 84.05 (83.75 to 84.75): VX0
Ion 86.00 (85.70 to 86.70): VX0
Ion 49.10 (48.80 to 49.80): VX0

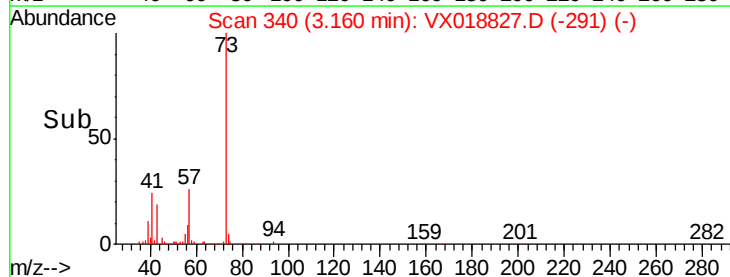
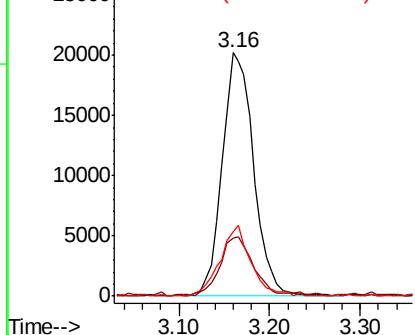


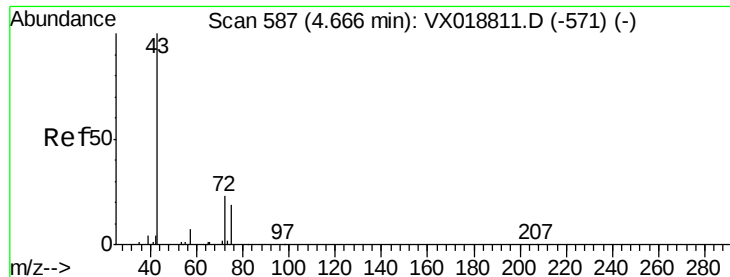
#17
Methyl tert-butyl Ether
Concen: 2.692 ug/L
RT: 3.16 min Scan# 340
Delta R.T. -0.00 min
Lab File: VX018827.D
Acq: 07 Oct 2020 21:56

Tgt Ion: 73 Resp: 48576
Ion Ratio Lower Upper
73 100
43 25.0 19.4 29.0
57 28.7 17.2 25.8#



Abundance Ion 73.10 (72.80 to 73.80): VX0
Ion 43.05 (42.75 to 43.75): VX0
Ion 57.10 (56.80 to 57.80): VX0





#21

2-Butanone

Concen: 1.582 ug/L

RT: 4.67 min Scan# 587

Delta R.T. -0.00 min

Lab File: VX018827.D

Acq: 07 Oct 2020 21:56

Instrument :

MSVOA_X

ClientSampleId :

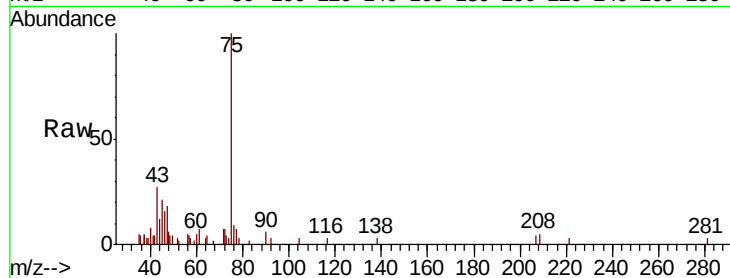
C0AR3

Tot Ion: 43 Resp: 2705

Ion Ratio Lower Upper

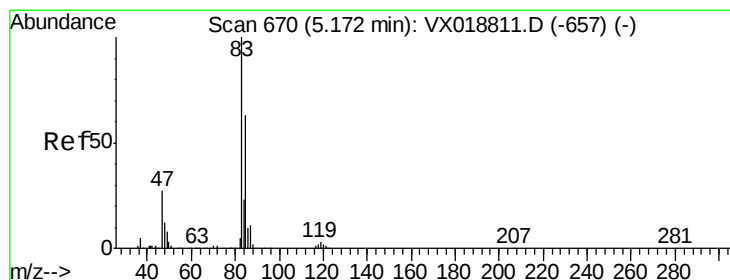
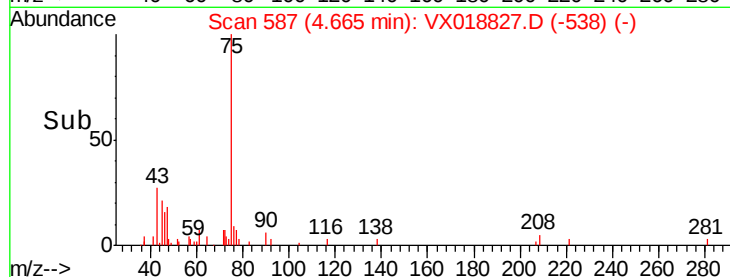
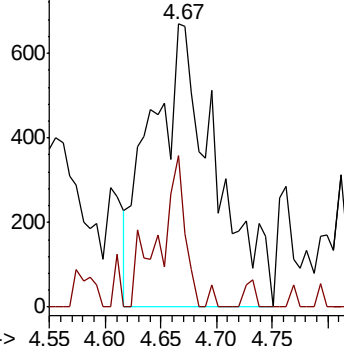
43 100

72 15.6 12.4 37.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#25

Chloroform

Concen: 0.221 ug/L

RT: 5.17 min Scan# 670

Delta R.T. -0.00 min

Lab File: VX018827.D

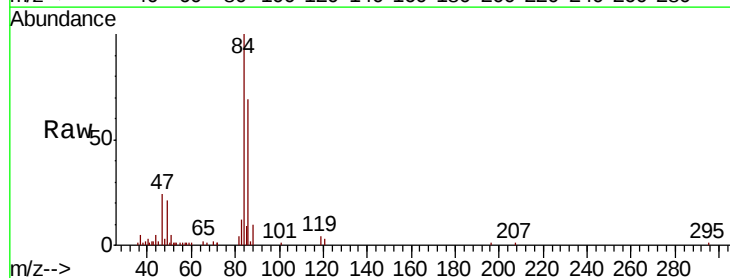
Acq: 07 Oct 2020 21:56

Tgt Ion: 83 Resp: 3370

Ion Ratio Lower Upper

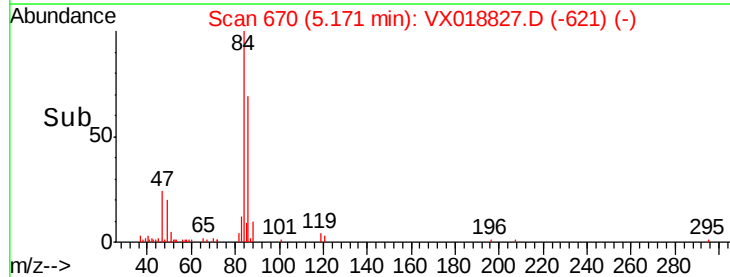
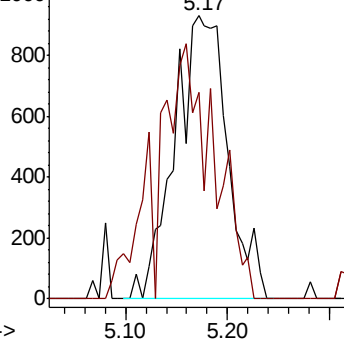
83 100

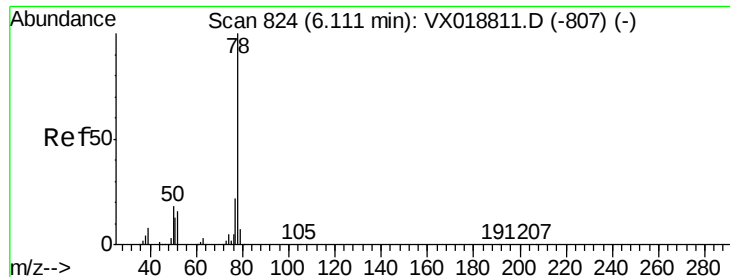
85 73.0 44.6 82.8



Abundance Ion 83.05 (82.75 to 83.75): VX0

Ion 85.00 (84.70 to 85.70): VX0





#33

Benzene

Concen: 0.062 ug/L

RT: 6.11 min Scan# 824

Delta R.T. -0.00 min

Lab File: VX018827.D

Acq: 07 Oct 2020 21:56

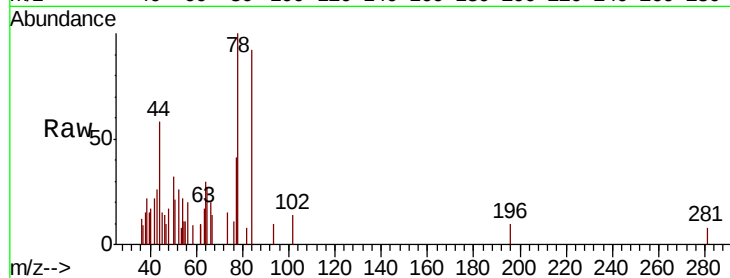
Instrument :

MSVOA_X

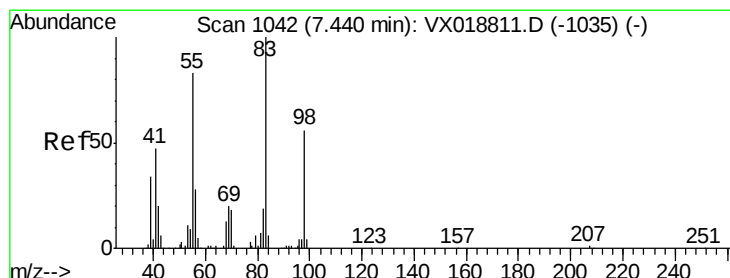
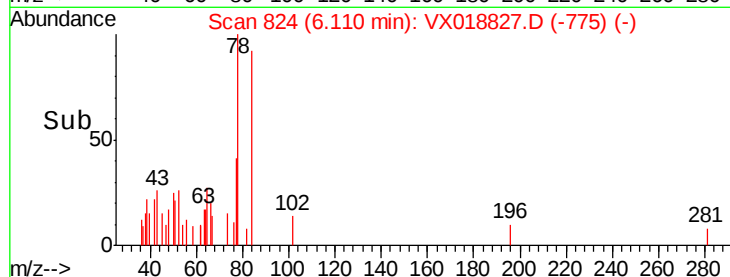
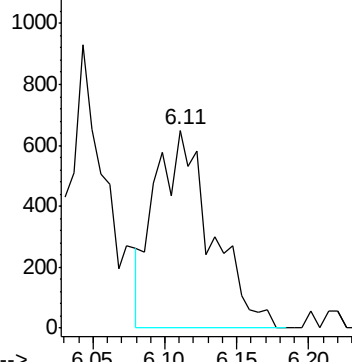
ClientSampleId :

C0AR3

Tgt Ion: 78 Resp: 1770



Abundance Ion 78.10 (77.80 to 78.80): VX0



#35

Methylcyclohexane

Concen: 1.156 ug/L

RT: 7.37 min Scan# 1030

Delta R.T. -0.07 min

Lab File: VX018827.D

Acq: 07 Oct 2020 21:56

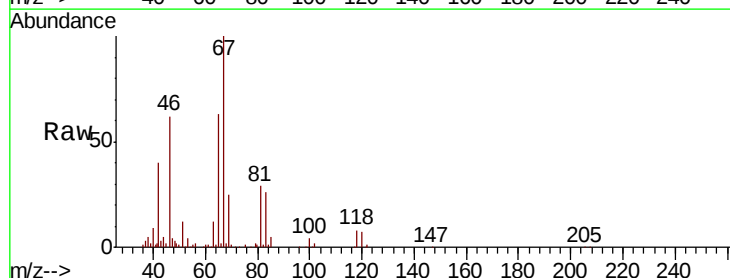
Tgt Ion: 83 Resp: 13742

Ion Ratio Lower Upper

83 100

55 1.6 60.3 90.5#

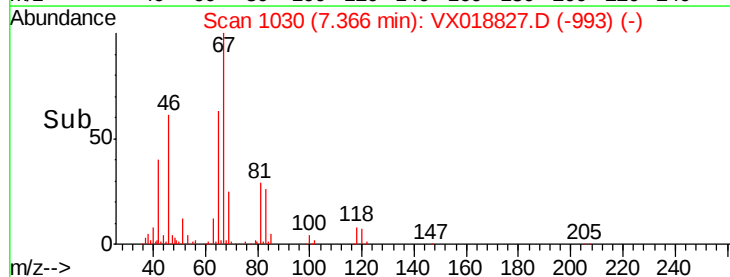
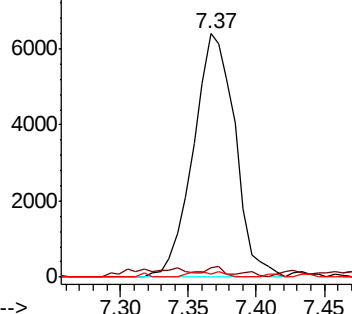
98 1.7 39.4 59.0#

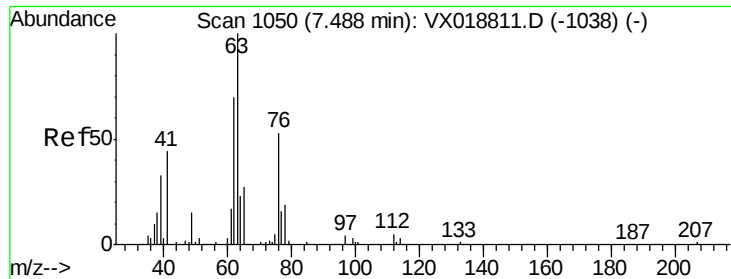


Abundance Ion 83.15 (82.85 to 83.85): VX0

Ion 55.10 (54.80 to 55.80): VX0

Ion 98.15 (97.85 to 98.85): VX0

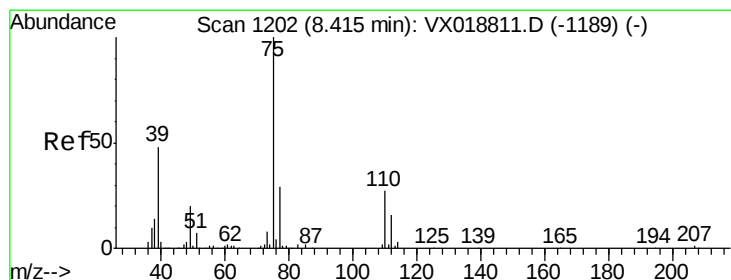
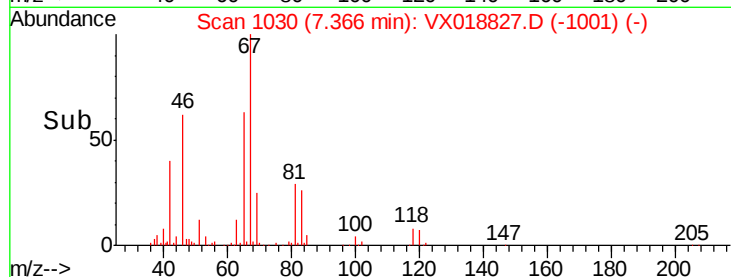
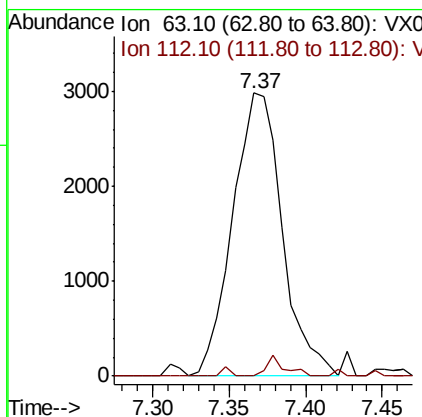
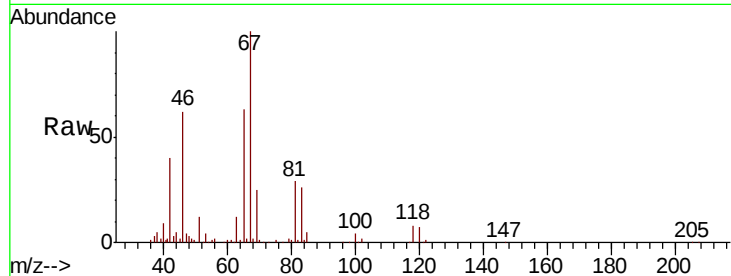




#37
 1,2-Dichloropropane
 Concen: 0.944 ug/L
 RT: 7.37 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VX018827.D
 Acq: 07 Oct 2020 21:56

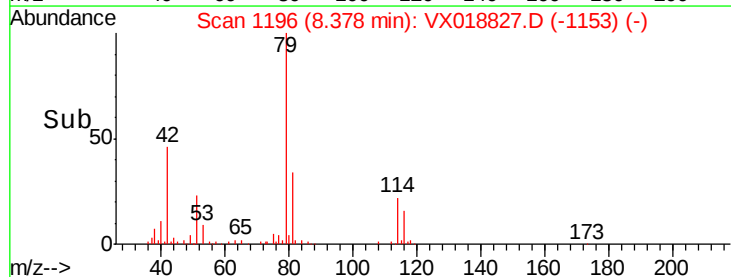
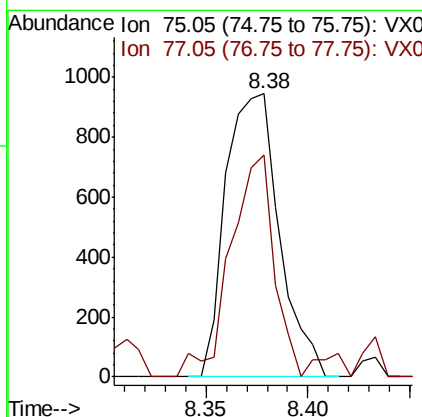
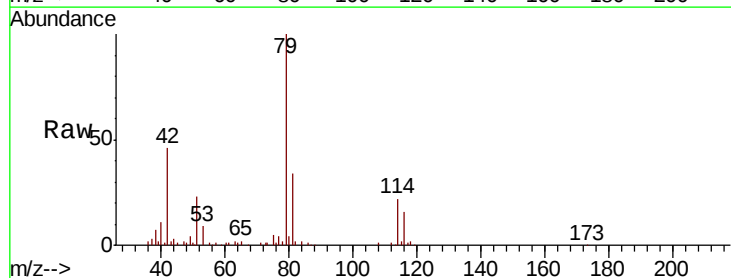
Instrument :
 MSVOA_X
 ClientSampleId :
 C0AR3

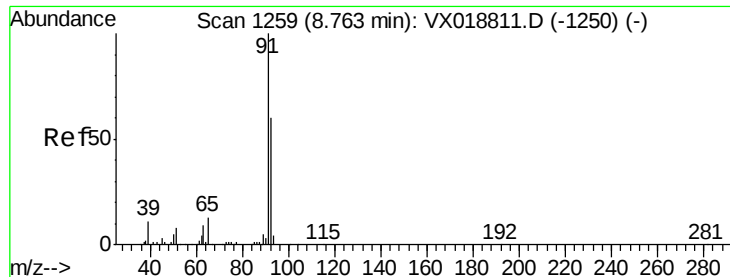
Tot Ion: 63 Resp: 6719
 Ion Ratio Lower Upper
 63 100
 112 2.6 4.7 7.1#



#39
 cis-1,3-Dichloropropene
 Concen: 0.152 ug/L
 RT: 8.38 min Scan# 1196
 Delta R.T. -0.04 min
 Lab File: VX018827.D
 Acq: 07 Oct 2020 21:56

Tgt Ion: 75 Resp: 1728
 Ion Ratio Lower Upper
 75 100
 77 78.5 22.5 41.7#





#42

Toluene

Concen: 0.137 ug/L

RT: 8.76 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VX018827.D

Acq: 07 Oct 2020 21:56

Instrument :

MSVOA_X

ClientSampleId :

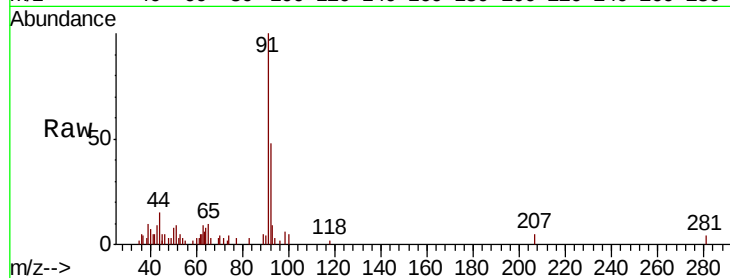
C0AR3

Tot Ion: 91 Resp: 4267

Ion Ratio Lower Upper

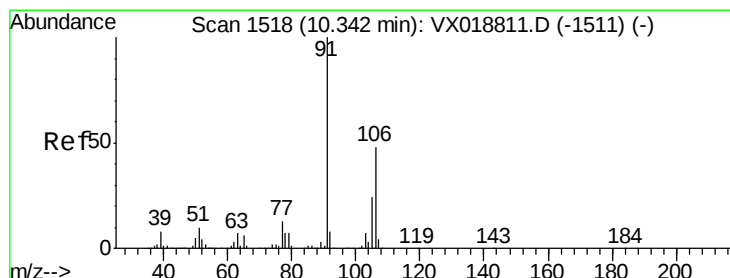
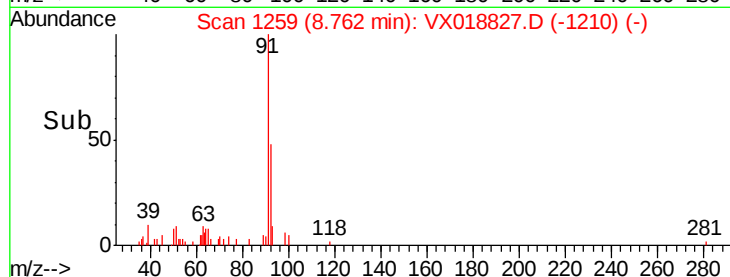
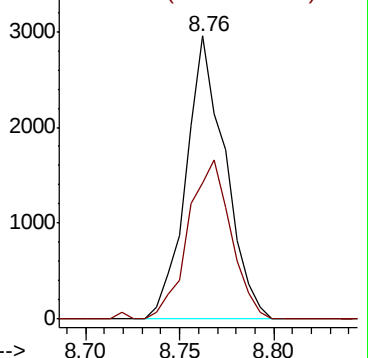
91 100

92 48.0 40.3 74.9



Abundance Ion 91.15 (90.85 to 91.85): VX0

Ion 92.15 (91.85 to 92.85): VX0



#55

m,p-xylene

Concen: 0.073 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX018827.D

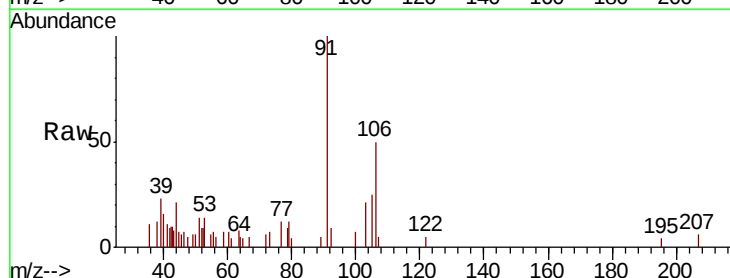
Acq: 07 Oct 2020 21:56

Tgt Ion: 106 Resp: 988

Ion Ratio Lower Upper

106 100

91 198.4 143.4 266.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0

