

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092920\
 Data File : VX018645.D
 Acq On : 29 Sep 2020 10:11
 Operator : JC/SP
 Sample : L4135-02
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 30 04:54:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR092820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Sep 30 04:47:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	353117	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	328669	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	158772	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	67481	3.65	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.00%
7) Chloroethane-d5	1.70	69	59033	3.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	75.80%
11) 1,1-Dichloroethene-d2	2.34	63	118375	2.90	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	58.00%#
20) 2-Butanone-d5	4.55	46	202306	42.94	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	85.88%
24) Chloroform-d	5.14	84	161183	3.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	73.60%
26) 1,2-Dichloroethane-d4	6.03	65	88440	3.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	69.40%#
32) Benzene-d6	6.04	84	303344	4.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.00%
36) 1,2-Dichloropropane-d6	7.37	67	92996	4.02	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	80.40%
41) Toluene-d8	8.70	98	289850	3.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.80%
45) trans-1,3-Dichloropropene-	8.99	79	38174	3.71	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.20%
48) 2-Hexanone-d5	9.43	63	162984	44.27	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.54%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	69286	4.03	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	80.60%
65) 1,2-Dichlorobenzene-d4	12.36	152	104184	4.02	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	80.40%

Target Compounds

					Ovalue
3) Chloromethane	1.31	50	2398	0.131	ug/L 92
13) Acetone	2.45	43	5196	1.992	ug/L 95
14) Carbon disulfide	2.56	76	6591	0.126	ug/L # 92
16) Methylene chloride	2.84	84	3356	0.142	ug/L 83
17) Methyl tert-butyl Ether	3.17	73	27084	0.706	ug/L 95
22) cis-1,2-Dichloroethene	4.56	96	833	0.046	ug/L # 21
33) Benzene	6.11	78	48867	0.771	ug/L 100
35) Methylcyclohexane	7.37	83	24693	0.968	ug/L # 16
39) cis-1,3-Dichloropropene	8.37	75	3518	0.147	ug/L 85
42) Toluene	8.76	91	12488	0.182	ug/L 89
50) 2-Hexanone	9.43	43	21259	3.205	ug/L # 67
53) Chlorobenzene	10.12	112	72380	1.601	ug/L 91
55) m,p-xylene	10.34	106	6072	0.213	ug/L 93
56) o-xylene	10.68	106	3219	0.119	ug/L 69
64) 1,4-Dichlorobenzene	12.09	146	7375	0.212	ug/L # 89
66) 1,2-Dichlorobenzene	12.37	146	4877	0.152	ug/L # 85

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Sep 30 04:47:32 2020
Response via : Initial Calibration

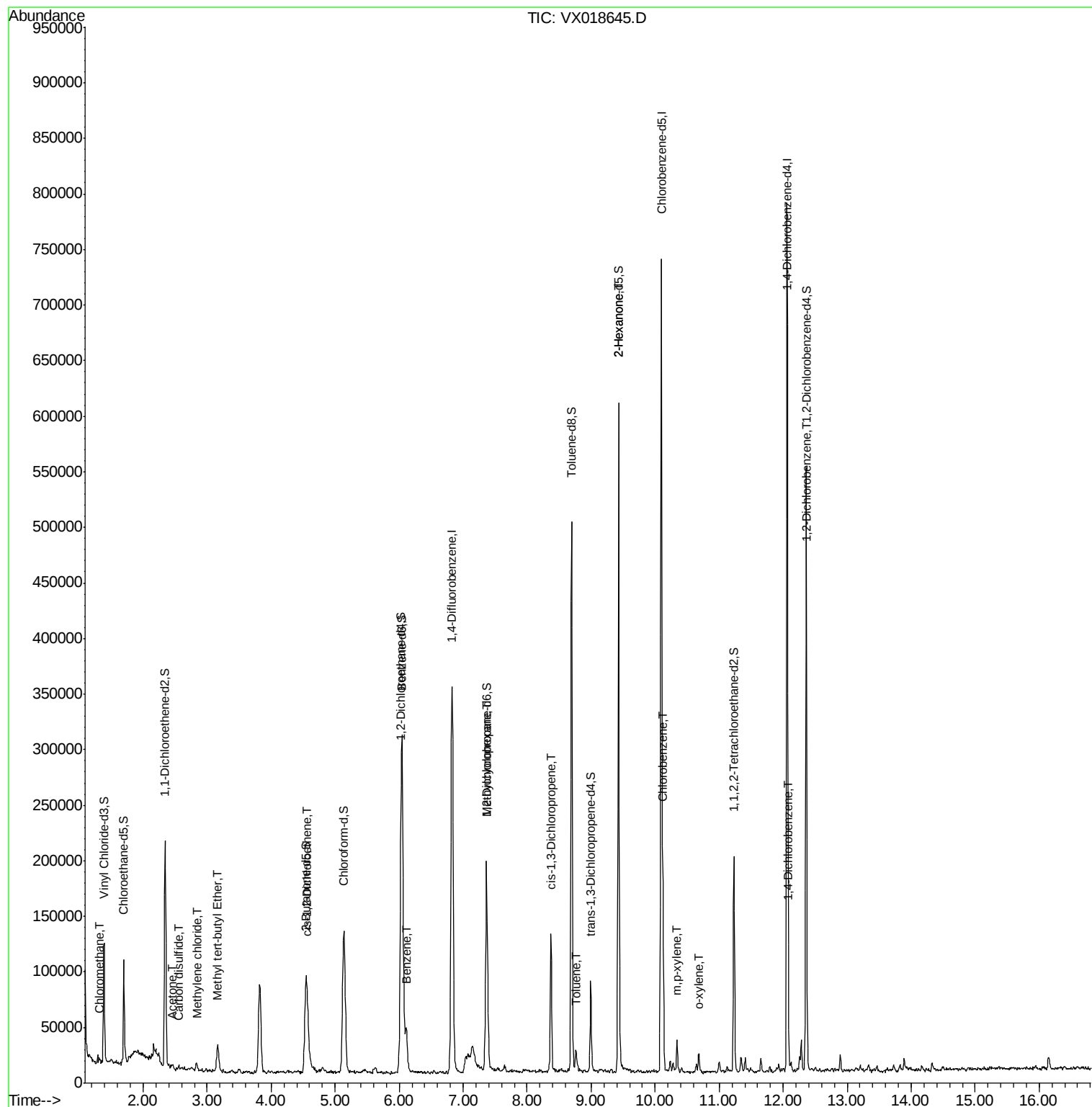
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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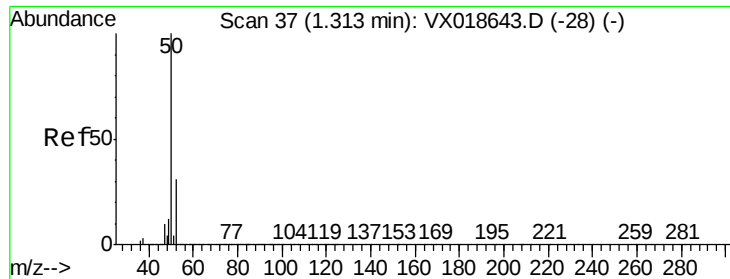
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.131 ug/L

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX018645.D

Acq: 29 Sep 2020 10:11

Instrument :

MSVOA_X

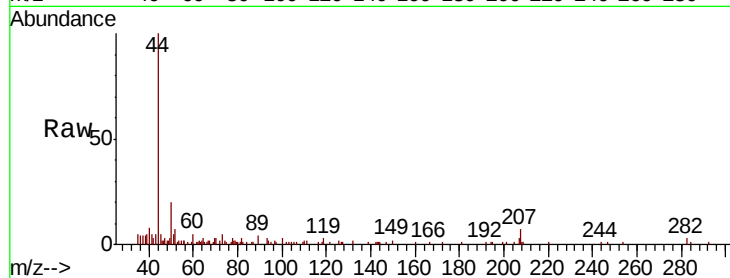
ClientSampleId :

Tot Ion: 50 Resp: 2398

Ion Ratio Lower Upper

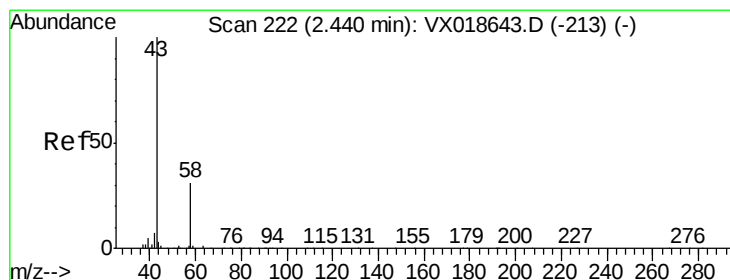
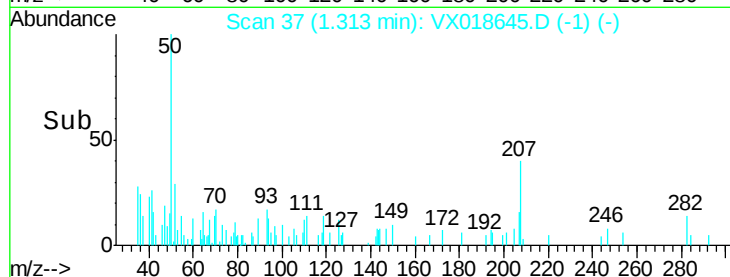
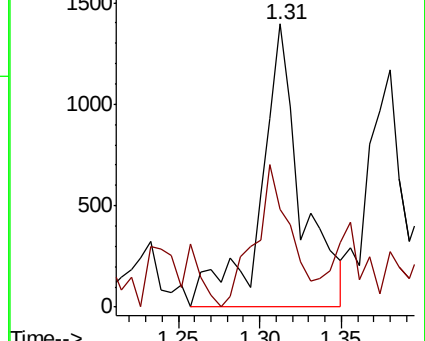
50 100

52 34.6 21.2 39.4



Abundance Ion 50.05 (49.75 to 50.75): VX0

Ion 52.05 (51.75 to 52.75): VX0



#13

Acetone

Concen: 1.992 ug/L

RT: 2.45 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX018645.D

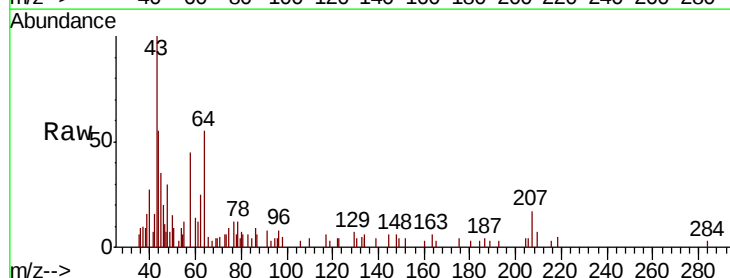
Acq: 29 Sep 2020 10:11

Tgt Ion: 43 Resp: 5196

Ion Ratio Lower Upper

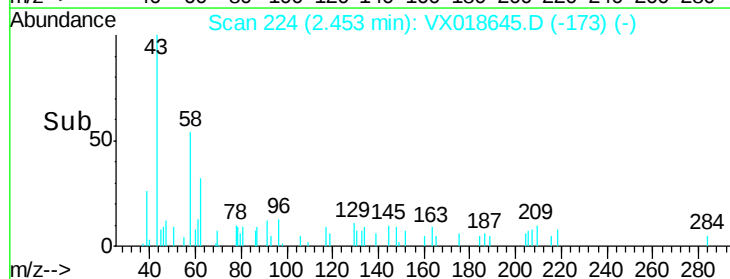
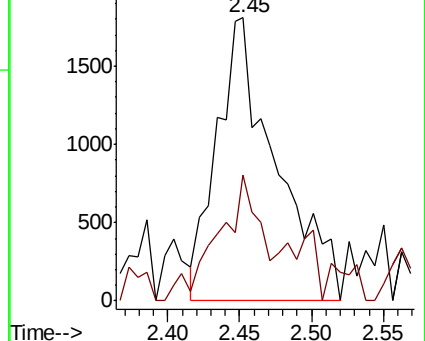
43 100

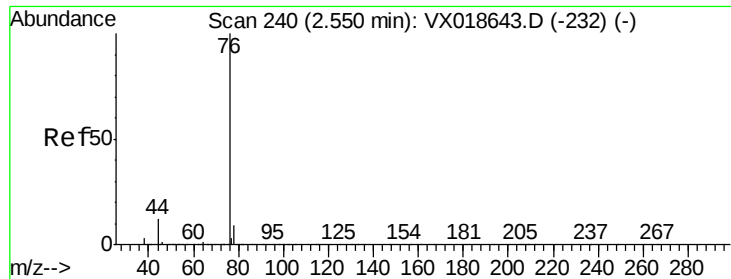
58 33.4 0.0 61.6



Abundance Ion 43.05 (42.75 to 43.75): VX0

Ion 58.05 (57.75 to 58.75): VX0





#14

Carbon disulfide

Concen: 0.126 ug/L

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX018645.D

Acq: 29 Sep 2020 10:11

Instrument :

MSVOA_X

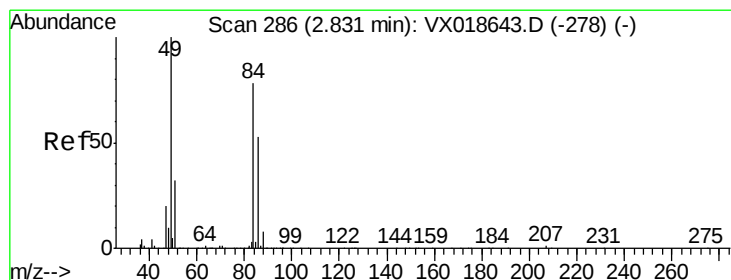
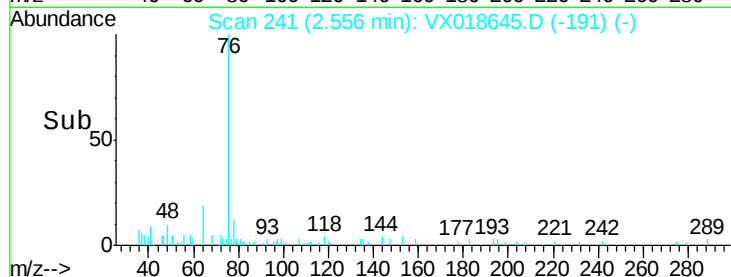
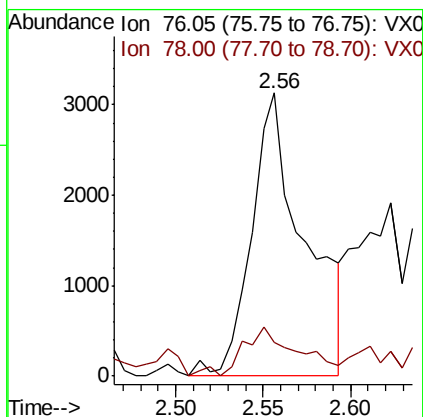
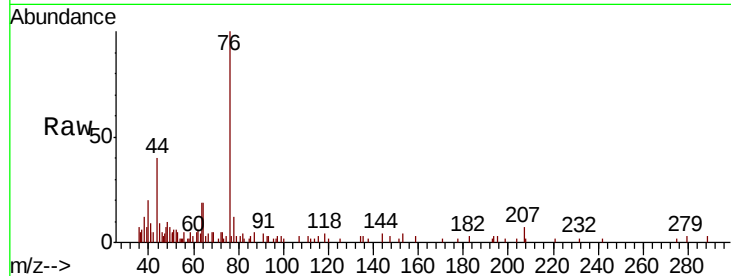
ClientSampleId :

Tot Ion: 76 Resp: 6591

Ion Ratio Lower Upper

76 100

78 12.0 7.4 11.0#



#16

Methylene chloride

Concen: 0.142 ug/L

RT: 2.84 min Scan# 288

Delta R.T. 0.01 min

Lab File: VX018645.D

Acq: 29 Sep 2020 10:11

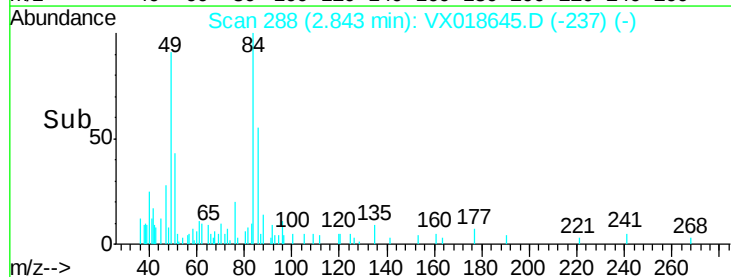
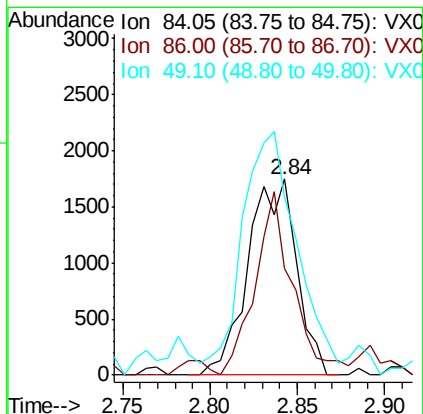
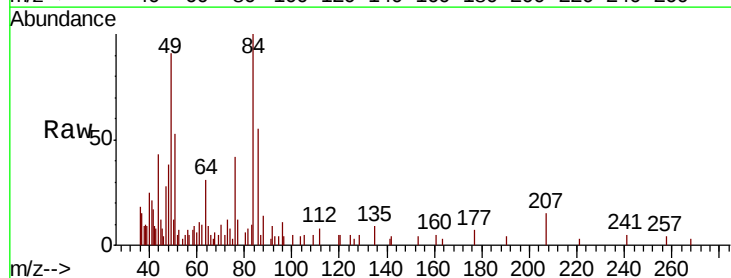
Tgt Ion: 84 Resp: 3356

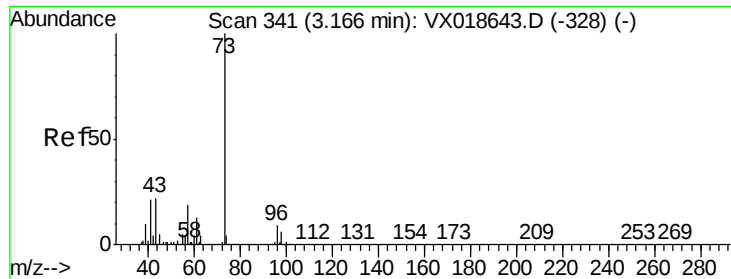
Ion Ratio Lower Upper

84 100

86 54.6 41.9 77.7

49 90.9 80.8 150.2

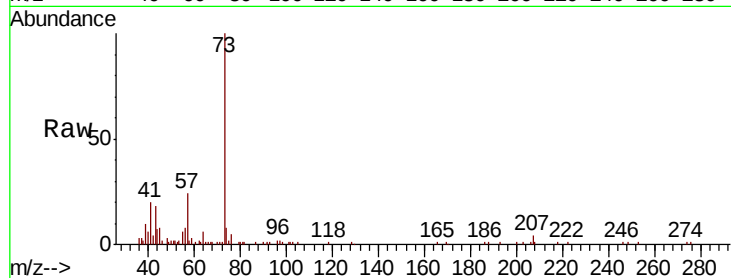




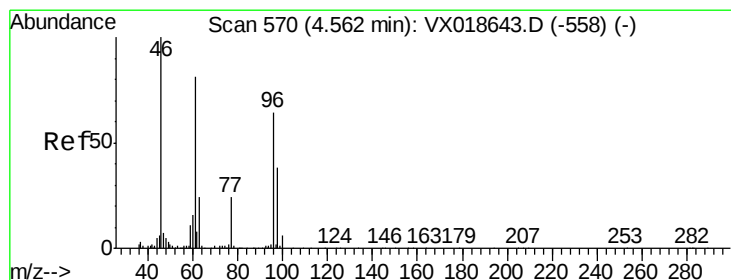
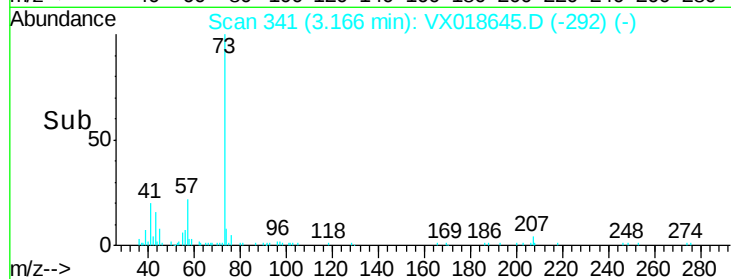
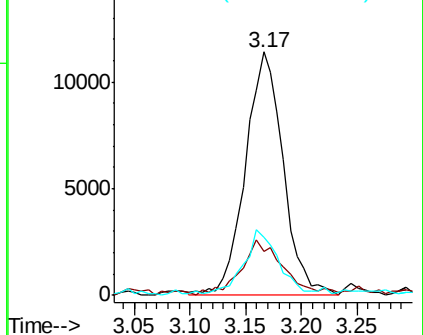
#17
Methvl tert-butvl Ether
Concen: 0.706 ug/L
RT: 3.17 min Scan# 341
Delta R.T. -0.00 min
Lab File: VX018645.D
Acq: 29 Sep 2020 10:11

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 73 Resp: 27084
Ion Ratio Lower Upper
73 100
43 24.6 18.6 27.8
57 24.8 17.3 25.9

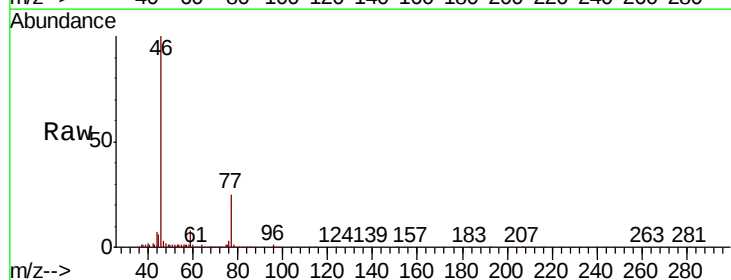


Abundance Ion 73.10 (72.80 to 73.80): VX0
Ion 43.05 (42.75 to 43.75): VX0
Ion 57.10 (56.80 to 57.80): VX0

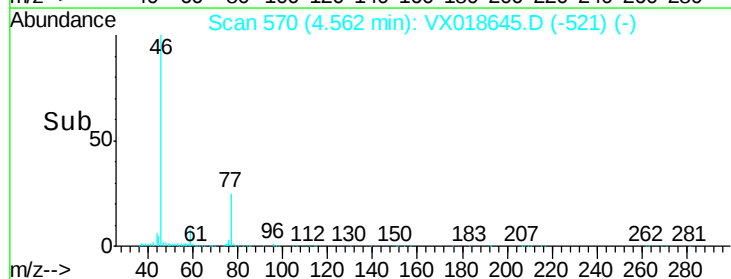
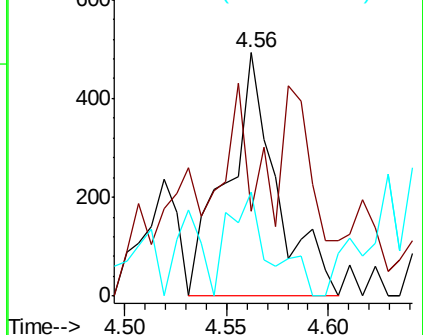


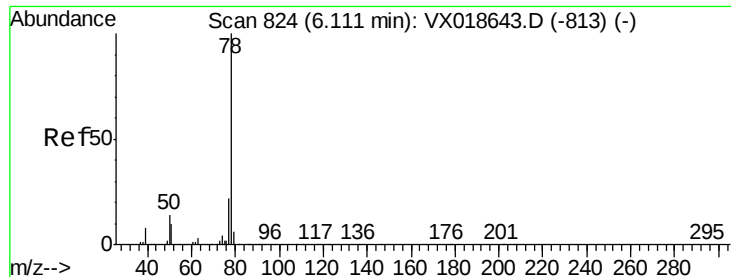
#22
cis-1,2-Dichloroethene
Concen: 0.046 ug/L
RT: 4.56 min Scan# 570
Delta R.T. -0.00 min
Lab File: VX018645.D
Acq: 29 Sep 2020 10:11

Tgt Ion: 96 Resp: 833
Ion Ratio Lower Upper
96 100
61 34.7 87.7 162.9#
68 42.8 0.3 0.7#



Abundance Ion 96.00 (95.70 to 96.70): VX0
Ion 61.05 (60.75 to 61.75): VX0
Ion 68.15 (67.85 to 68.85): VX0

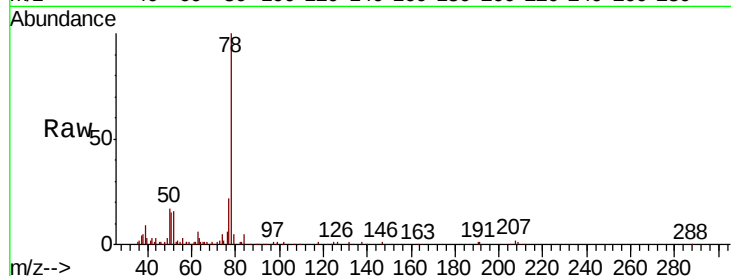




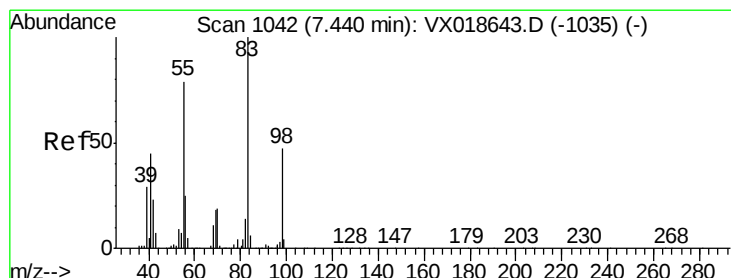
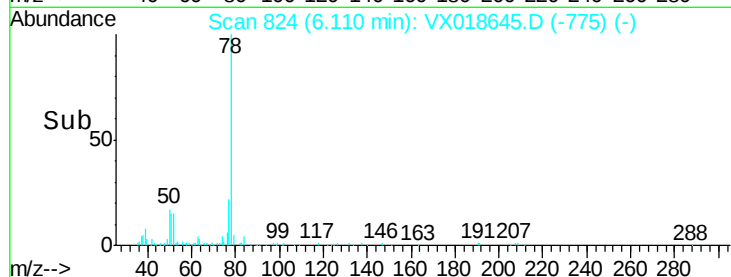
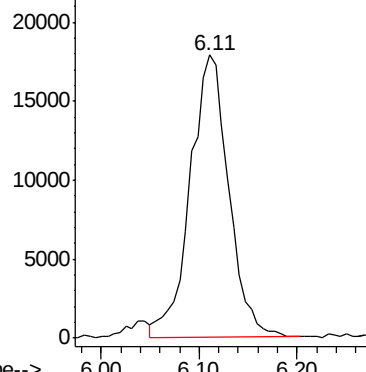
#33
Benzene
Concen: 0.771 ug/L
RT: 6.11 min Scan# 824
Delta R.T. -0.00 min
Lab File: VX018645.D
Acq: 29 Sep 2020 10:11

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 78 Resp: 48867

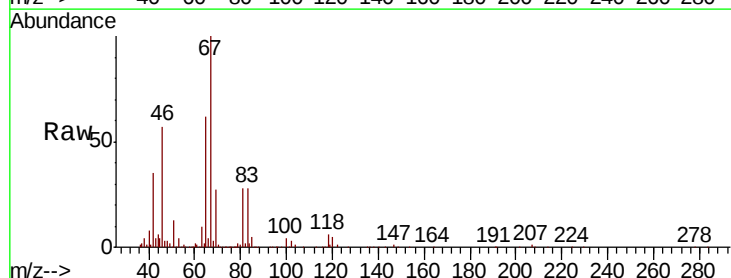


Abundance Ion 78.10 (77.80 to 78.80): VX0

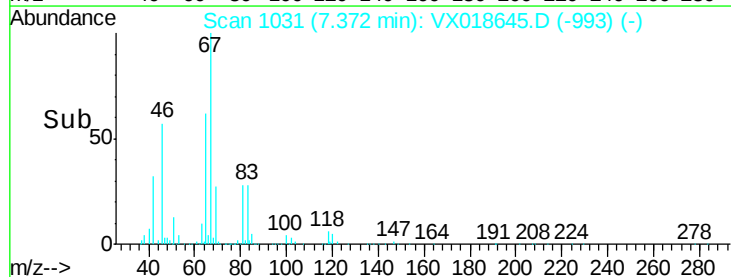
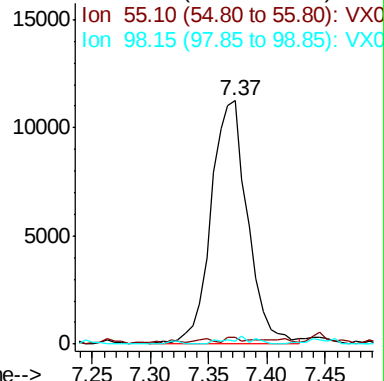


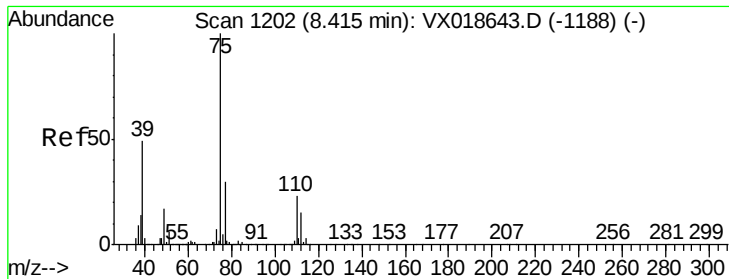
#35
Methylcyclohexane
Concen: 0.968 ug/L
RT: 7.37 min Scan# 1031
Delta R.T. -0.07 min
Lab File: VX018645.D
Acq: 29 Sep 2020 10:11

Tgt Ion: 83 Resp: 24693
Ion Ratio Lower Upper
83 100
55 1.2 67.4 101.0#
98 2.1 41.1 61.7#



Abundance Ion 83.15 (82.85 to 83.85): VX0

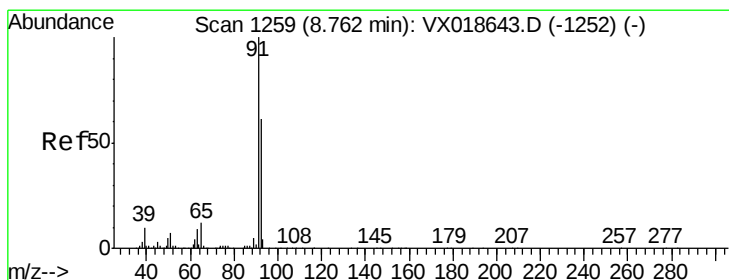
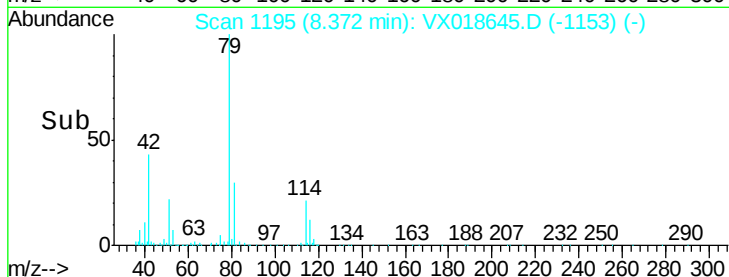
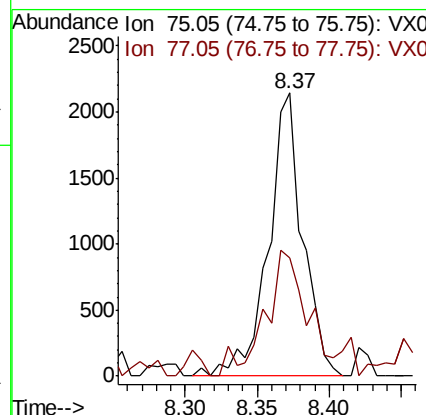
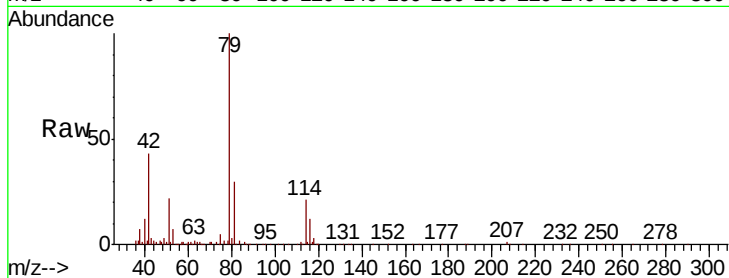




#39
 cis-1,3-Dichloropropene
 Concen: 0.147 ug/L
 RT: 8.37 min Scan# 1195
 Delta R.T. -0.04 min
 Lab File: VX018645.D
 Acq: 29 Sep 2020 10:11

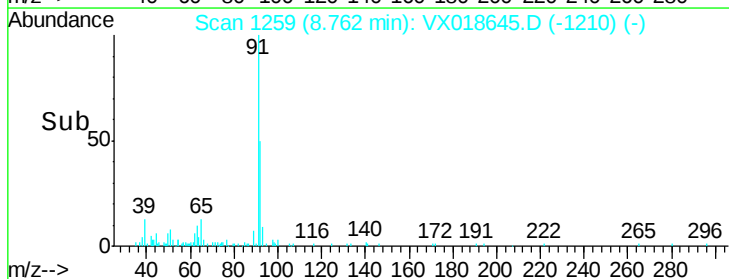
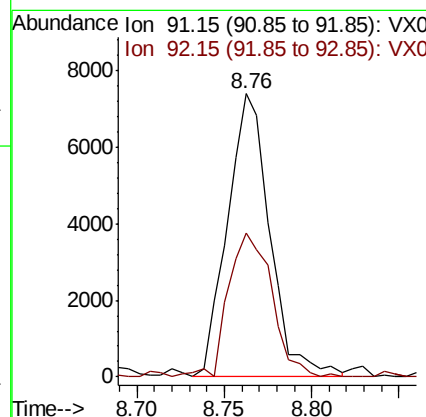
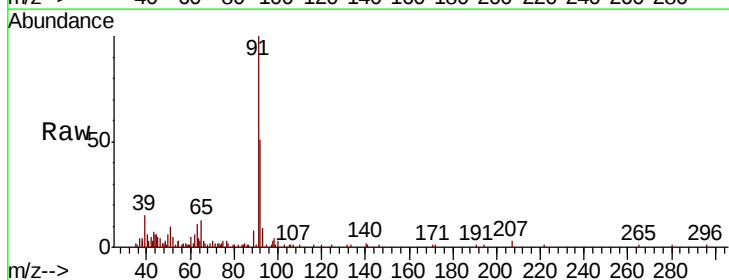
Instrument :
 MSVOA_X
 ClientSampleId :

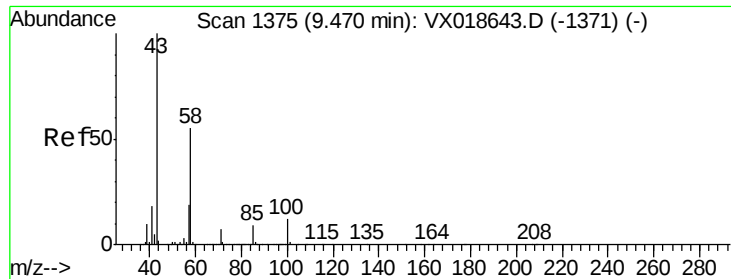
Tot Ion: 75 Resp: 3518
 Ion Ratio Lower Upper
 75 100
 77 41.6 23.0 42.8



#42
 Toluene
 Concen: 0.182 ug/L
 RT: 8.76 min Scan# 1259
 Delta R.T. -0.00 min
 Lab File: VX018645.D
 Acq: 29 Sep 2020 10:11

Tgt Ion: 91 Resp: 12488
 Ion Ratio Lower Upper
 91 100
 92 50.7 41.1 76.3

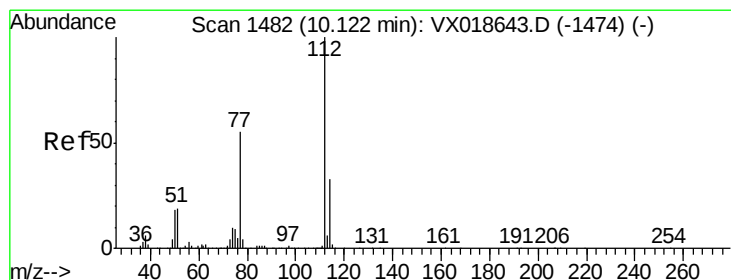
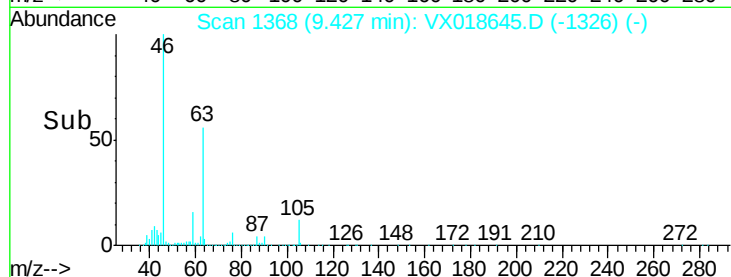
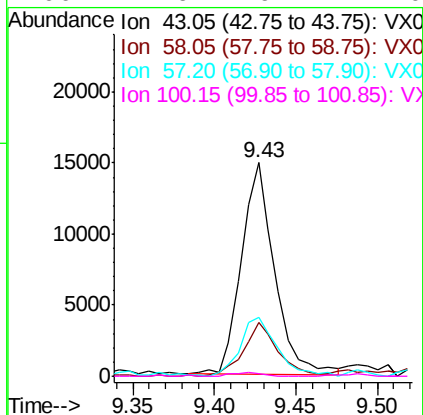
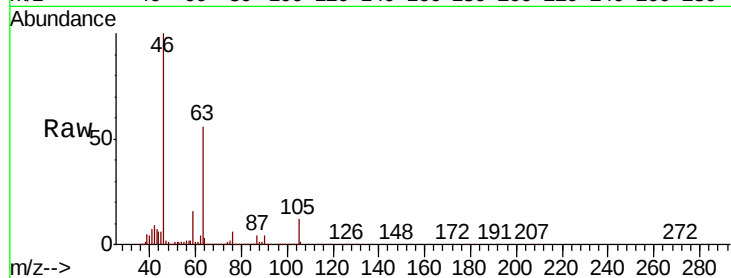




#50
2-Hexanone
Concen: 3.205 ug/L
RT: 9.43 min Scan# 1368
Delta R.T. -0.04 min
Lab File: VX018645.D
Acq: 29 Sep 2020 10:11

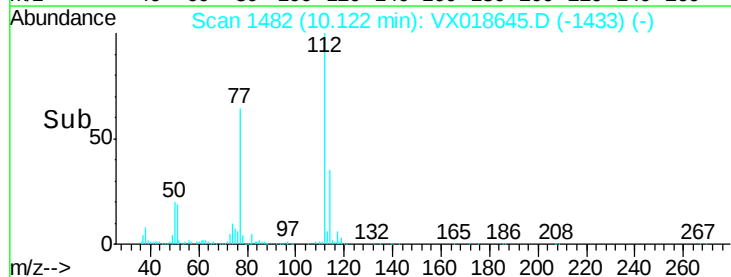
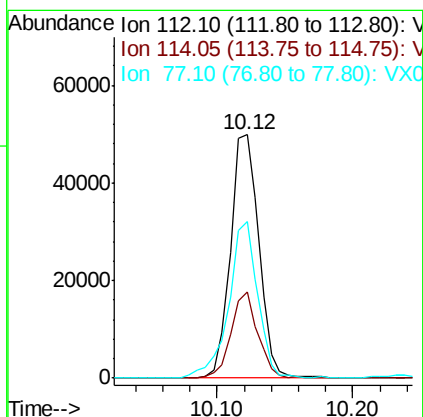
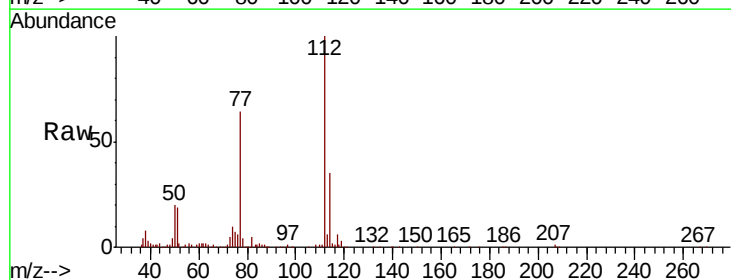
Instrument :
MSVOA_X
ClientSampleId :

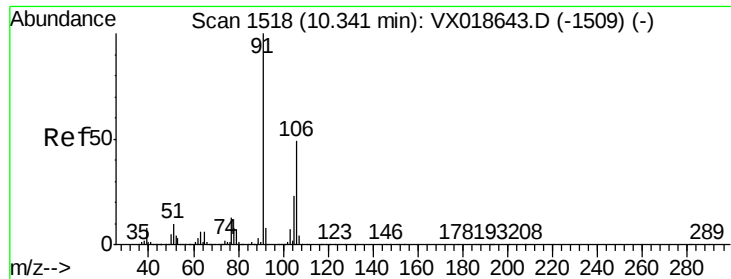
Tot Ion: 43 Resp: 21259
Ion Ratio Lower Upper
43 100
58 26.4 42.5 63.7#
57 30.4 15.9 23.9#
100 1.6 9.4 14.0#



#53
Chlorobenzene
Concen: 1.601 ug/L
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX018645.D
Acq: 29 Sep 2020 10:11

Tgt Ion: 112 Resp: 72380
Ion Ratio Lower Upper
112 100
114 35.5 20.6 38.4
77 64.3 46.6 69.8





#55

m,p-xylene

Concen: 0.213 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX018645.D

Acq: 29 Sep 2020 10:11

Instrument :

MSVOA_X

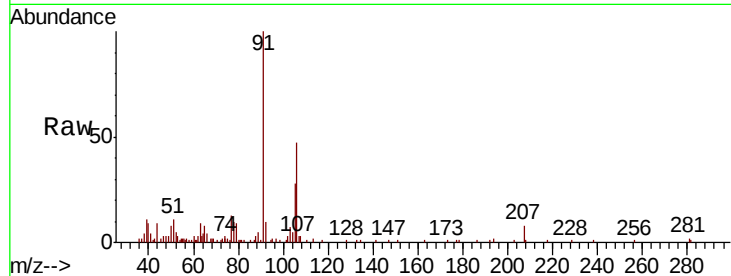
ClientSampleId :

Tot Ion:106 Resp: 6072

Ion Ratio Lower Upper

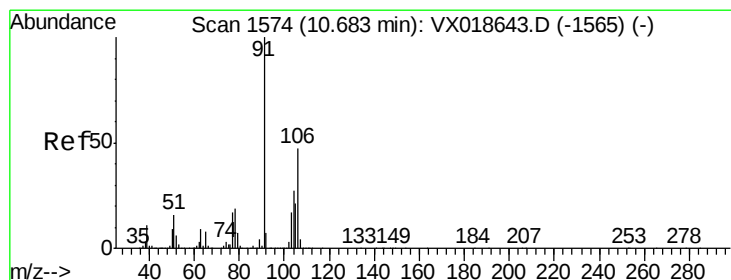
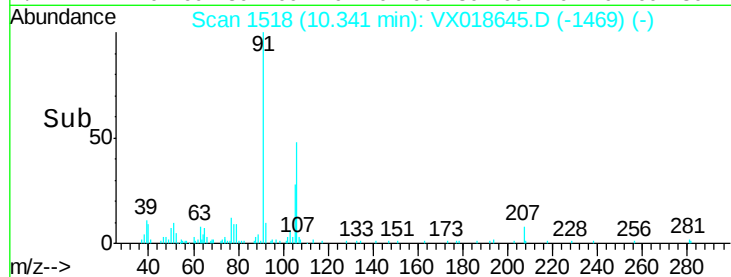
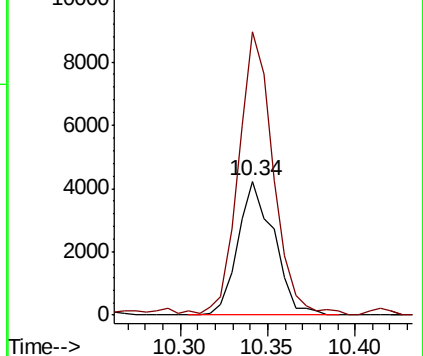
106 100

91 211.4 140.3 260.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0



#56

o-xylene

Concen: 0.119 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VX018645.D

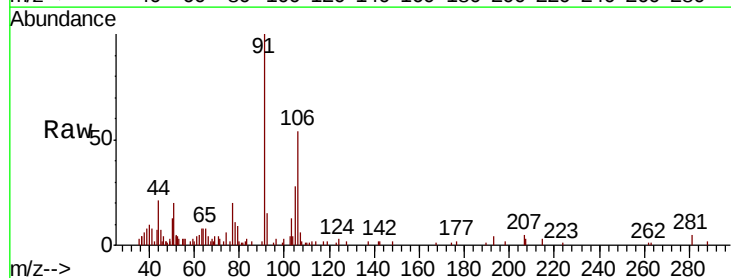
Acq: 29 Sep 2020 10:11

Tgt Ion:106 Resp: 3219

Ion Ratio Lower Upper

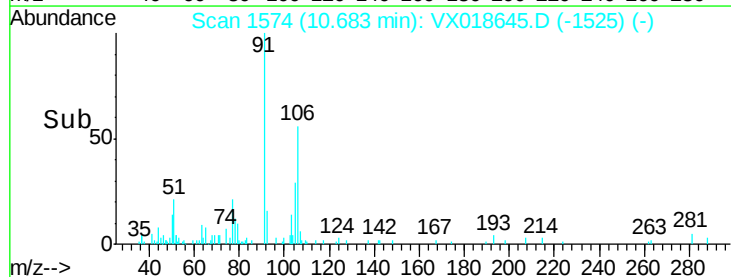
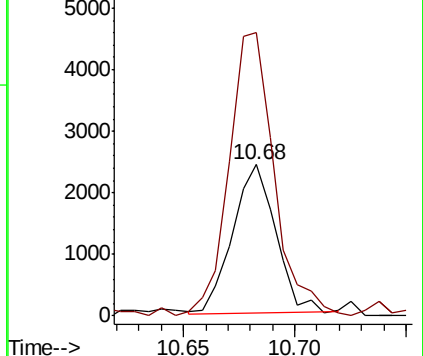
106 100

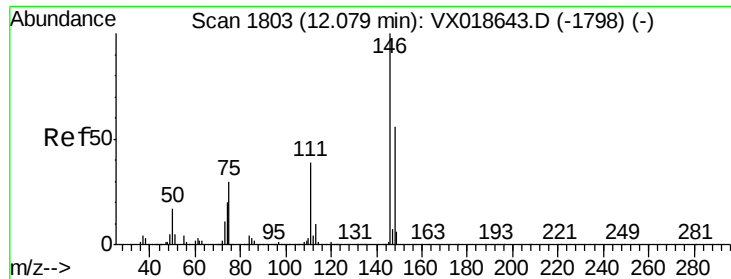
91 186.9 167.5 311.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0

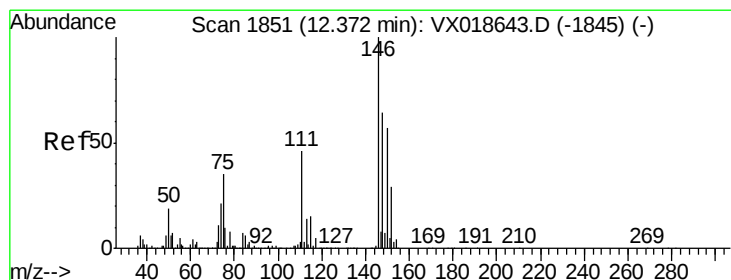
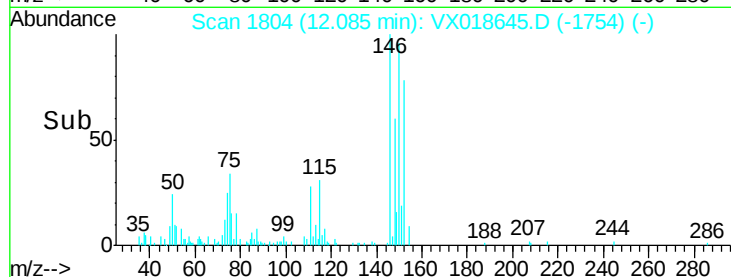
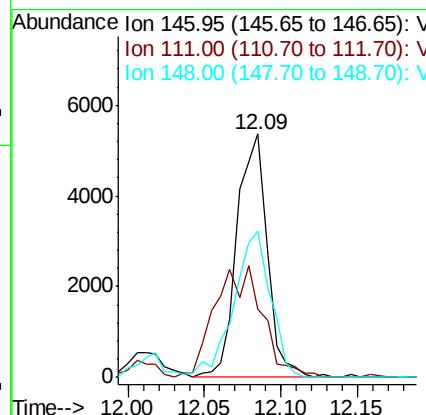
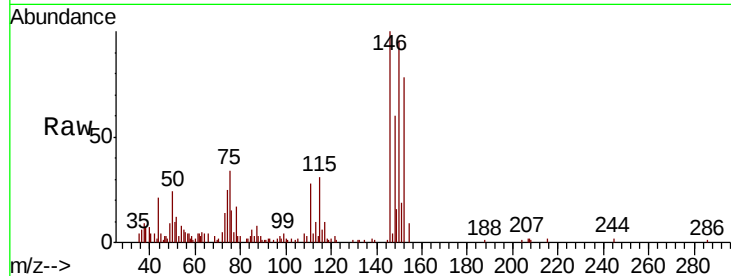




#64
 1,4-Dichlorobenzene
 Concen: 0.212 ug/L
 RT: 12.09 min Scan# 1804
 Delta R.T. 0.01 min
 Lab File: VX018645.D
 Acq: 29 Sep 2020 10:11

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:146 Resp: 7375
 Ion Ratio Lower Upper
 146 100
 111 28.2 28.8 53.4#
 148 60.0 44.9 83.3



#66
 1,2-Dichlorobenzene
 Concen: 0.152 ug/L
 RT: 12.37 min Scan# 1851
 Delta R.T. -0.00 min
 Lab File: VX018645.D
 Acq: 29 Sep 2020 10:11

Tgt Ion:146 Resp: 4877
 Ion Ratio Lower Upper
 146 100
 111 60.2 33.6 50.4#
 148 61.2 53.4 80.2

