

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110320\
 Data File : VX019222.D
 Acq On : 03 Nov 2020 10:15
 Operator : JC/MD
 Sample : VX1103WBL04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 04 01:22:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SFAMXLM110220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 04 01:20:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	508241	50.00	ug/L	0.00
28) Chlorobenzene-d5	10.09	117	457292	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.06	152	198950	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	194221	44.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.78%
7) Chloroethane-d5	1.70	69	155750	47.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.88%
11) 1,1-Dichloroethene-d2	2.34	63	262784	36.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.80%
21) 2-Butanone-d5	4.53	46	219206	98.20	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.20%
24) Chloroform-d	5.14	84	336555	47.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.46%
26) 1,2-Dichloroethane-d4	6.03	65	230508	45.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.06%
32) Benzene-d6	6.05	84	701153	49.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.78%
36) 1,2-Dichloropropane-d6	7.37	67	212209	50.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.26%
41) Toluene-d8	8.70	98	655240	45.47	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.94%
43) trans-1,3-Dichloropropene-	8.99	79	108217	48.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.36%
47) 2-Hexanone-d5	9.43	63	177790	102.69	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.69%
56) 1,1,2,2-Tetrachloroethane-	11.23	84	237595	48.05	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.10%
66) 1,2-Dichlorobenzene-d4	12.36	152	200392	50.17	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.34%

Target Compounds

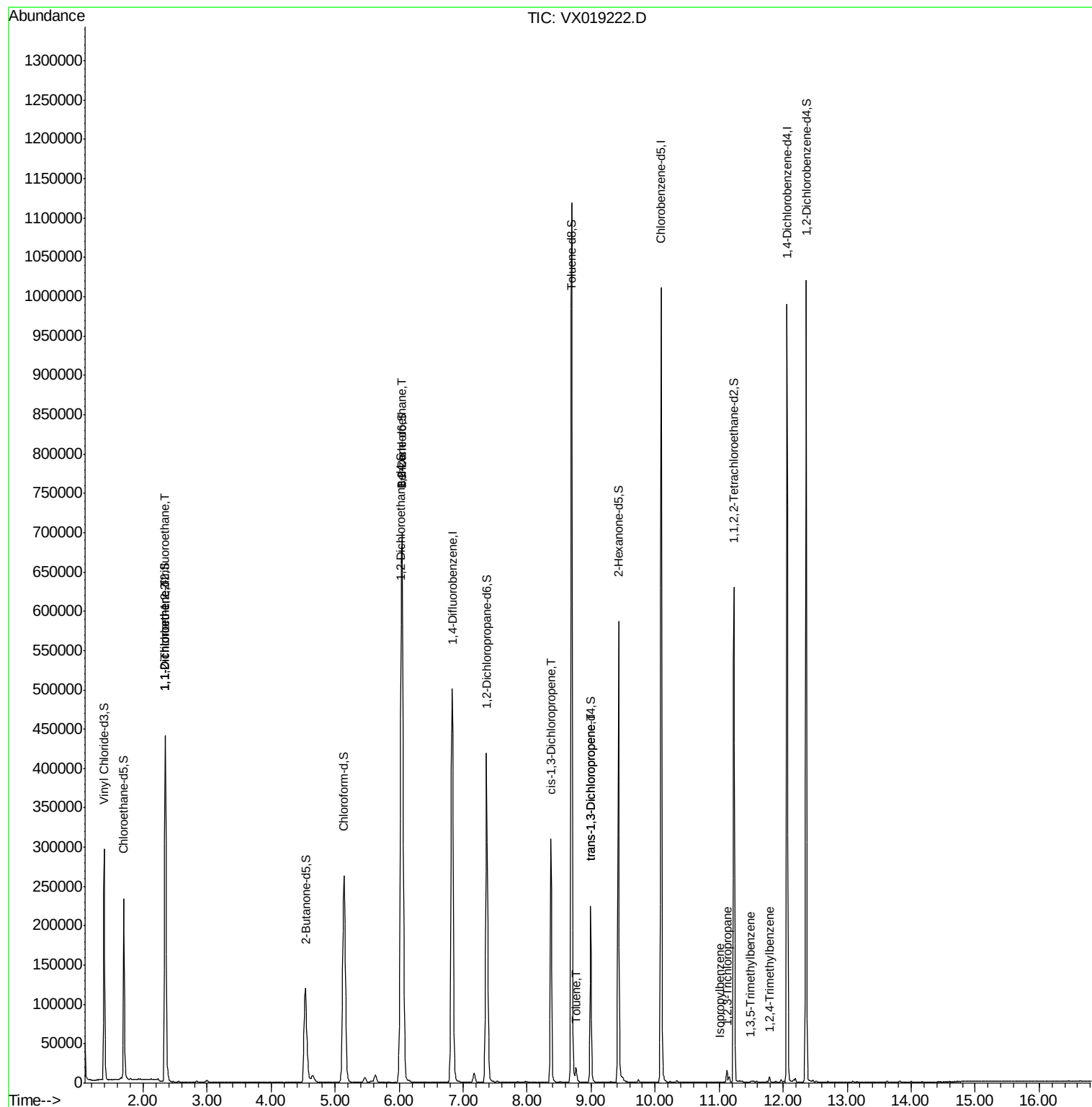
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.34	101	2514	0.796	ug/L #	19
12) 1,1-Dichloroethene	2.34	96	2106	0.688	ug/L #	1
27) 1,2-Dichloroethane	6.04	62	4308	0.891	ug/L	97
39) cis-1,3-Dichloropropene	8.37	75	7202	1.329	ug/L #	70
42) Toluene	8.76	91	9671	0.677	ug/L	93
44) trans-1,3-Dichloropropene	8.99	75	5216	0.988	ug/L	91
60) Isopropylbenzene	11.01	105	322	0.024	ug/L #	72
61) 1,2,3-Trichloropropane	11.12	75	2240	0.661	ug/L #	40
62) 1,3,5-Trimethylbenzene	11.49	105	342	0.031	ug/L	91
63) 1,2,4-Trimethylbenzene	11.79	105	1388	0.132	ug/L	95

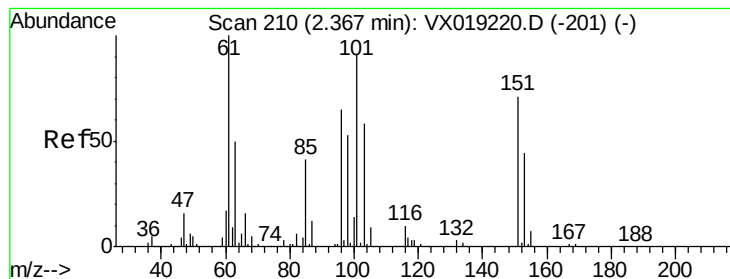
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 04 01:22:03 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\SFAMXLM110220WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Nov 04 01:20:42 2020
Response via : Initial Calibration





#10

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

Concen: 0.796 ug/L

RT: 2.34 min Scan# 206

Delta R.T. -0.02 min

Lab File: VX019222.D

Acq: 03 Nov 2020 10:15

Instrument :

MSVOA_X

ClientSampleId :

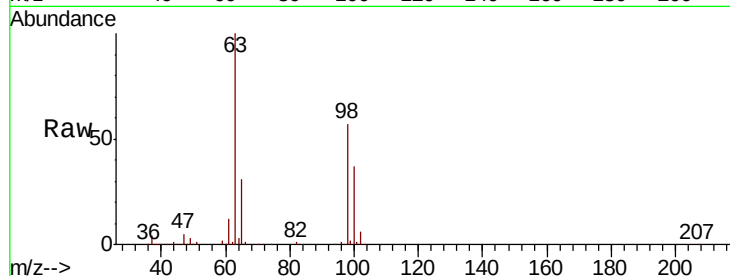
Tot Ion:101 Resp: 2514

Ion Ratio Lower Upper

101 100

85 0.0 35.0 52.4#

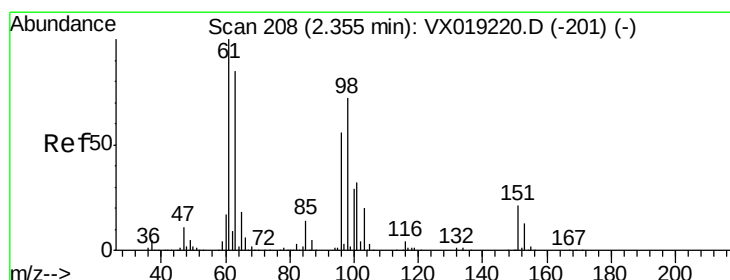
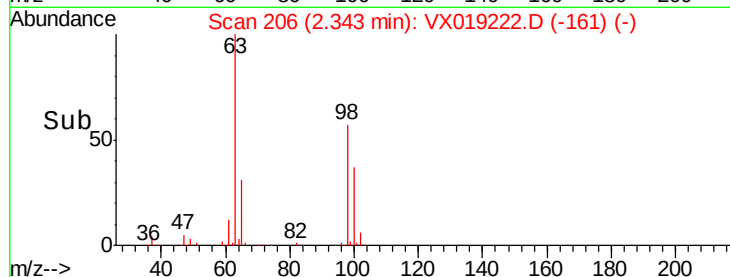
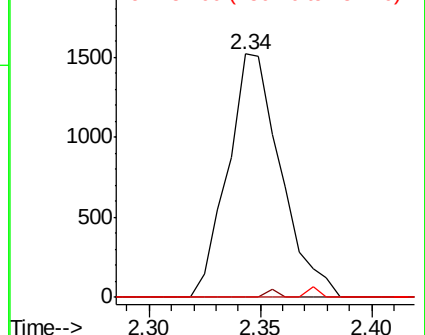
151 0.0 59.9 89.9#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VX0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.688 ug/L

RT: 2.34 min Scan# 206

Delta R.T. -0.01 min

Lab File: VX019222.D

Acq: 03 Nov 2020 10:15

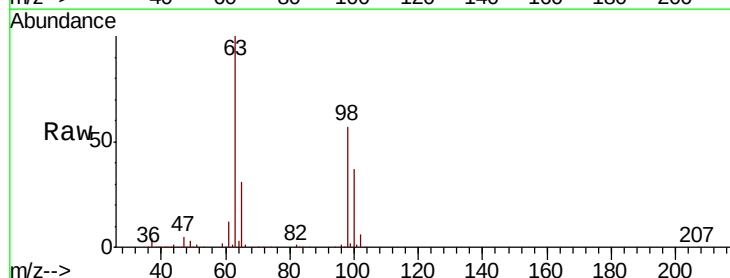
Tgt Ion: 96 Resp: 2106

Ion Ratio Lower Upper

96 100

61 1607.1 115.1 213.8#

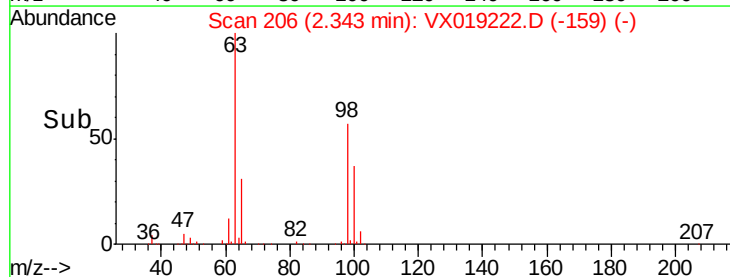
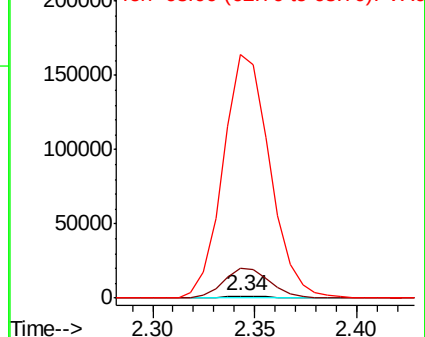
63 13222.9 78.3 145.5#

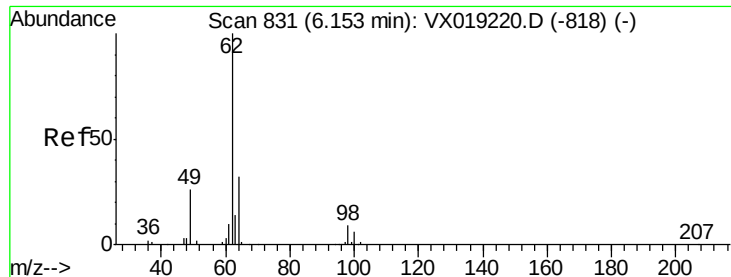


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 63.00 (62.70 to 63.70): VX0

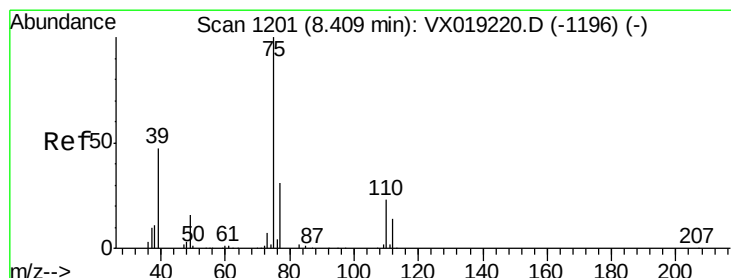
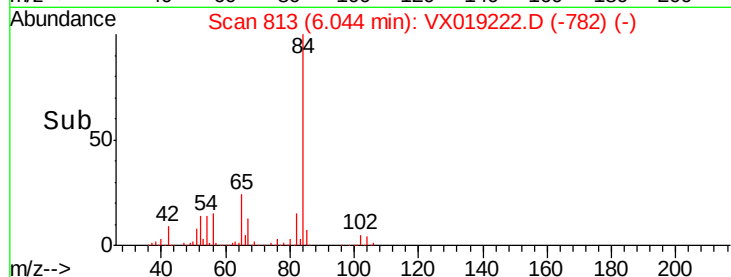
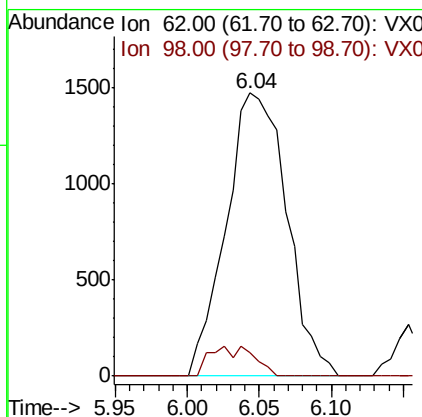
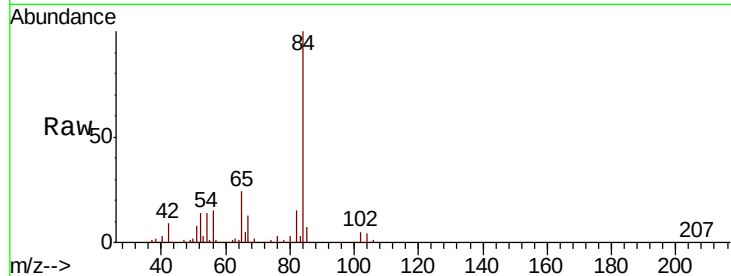




#27
 1,2-Dichloroethane
 Concen: 0.891 ug/L
 RT: 6.04 min Scan# 813
 Delta R.T. -0.11 min
 Lab File: VX019222.D
 Acq: 03 Nov 2020 10:15

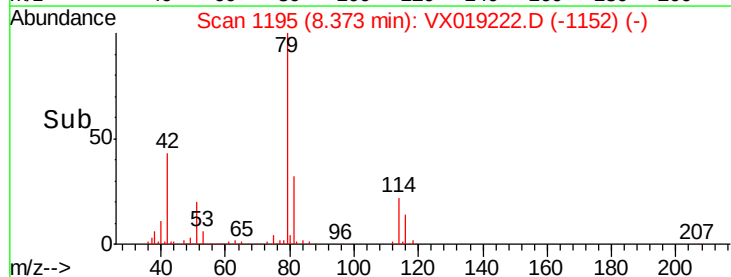
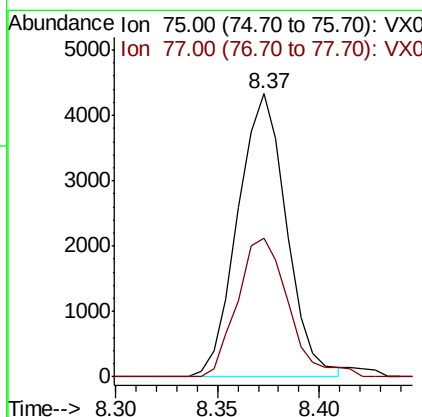
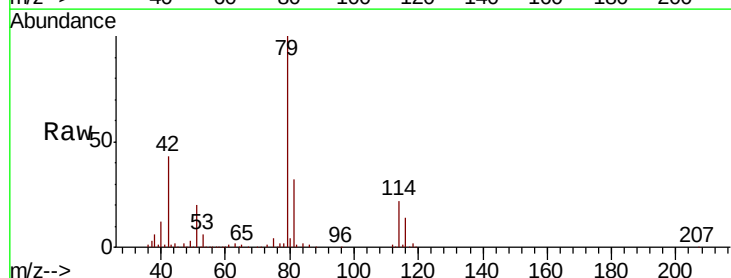
Instrument :
 MSVOA_X
 ClientSampleId :

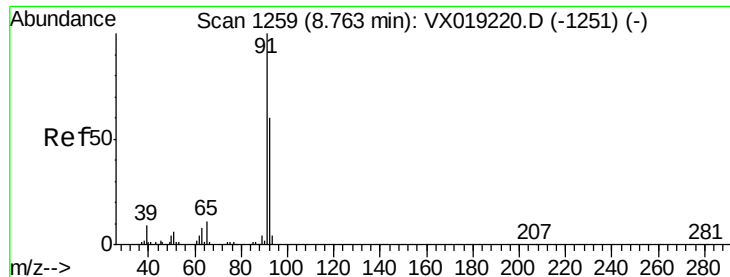
Tot Ion: 62 Resp: 4308
 Ion Ratio Lower Upper
 62 100
 98 8.2 7.6 11.4



#39
 cis-1,3-Dichloropropene
 Concen: 1.329 ug/L
 RT: 8.37 min Scan# 1195
 Delta R.T. -0.04 min
 Lab File: VX019222.D
 Acq: 03 Nov 2020 10:15

Tgt Ion: 75 Resp: 7202
 Ion Ratio Lower Upper
 75 100
 77 48.9 22.5 41.7#





#42

Toluene

Concen: 0.677 ug/L

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX019222.D

Acq: 03 Nov 2020 10:15

Instrument :

MSVOA_X

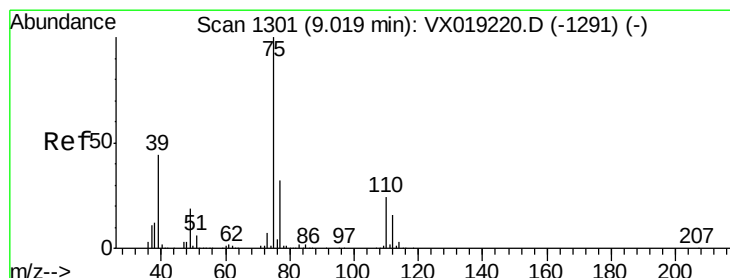
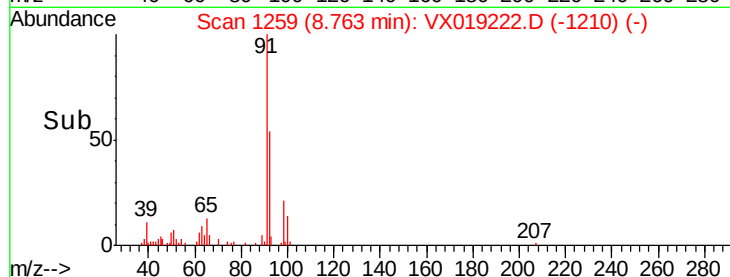
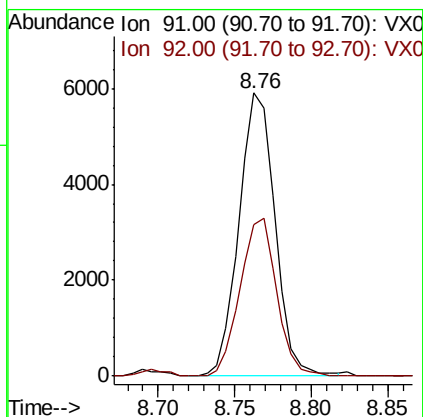
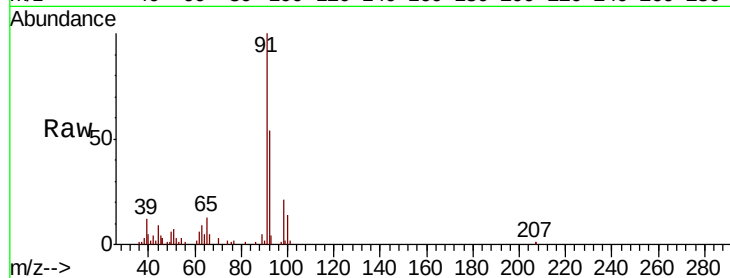
ClientSampleId :

Tot Ion: 91 Resp: 9671

Ion Ratio Lower Upper

91 100

92 53.6 41.2 76.6



#44

trans-1,3-Dichloropropene

Concen: 0.988 ug/L

RT: 8.99 min Scan# 1296

Delta R.T. -0.03 min

Lab File: VX019222.D

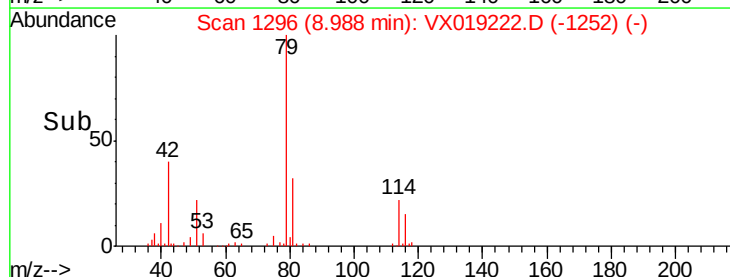
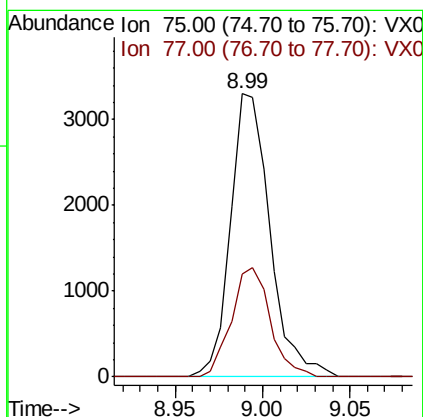
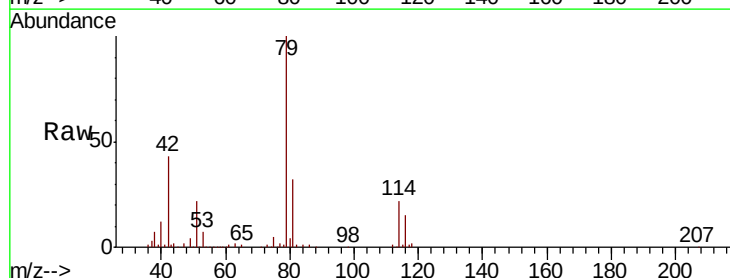
Acq: 03 Nov 2020 10:15

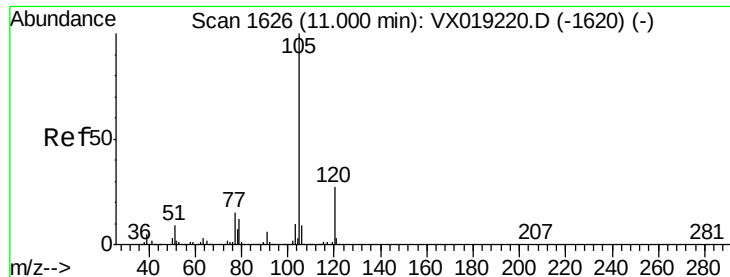
Tgt Ion: 75 Resp: 5216

Ion Ratio Lower Upper

75 100

77 36.3 21.8 40.6





#60

Isopropylbenzene

Concen: 0.024 ug/L

RT: 11.01 min Scan# 1627

Delta R.T. 0.01 min

Lab File: VX019222.D

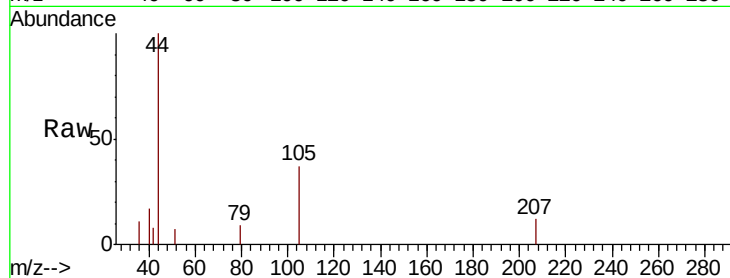
Acq: 03 Nov 2020 10:15

Instrument :

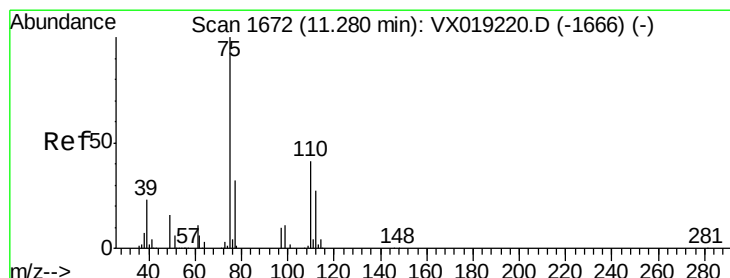
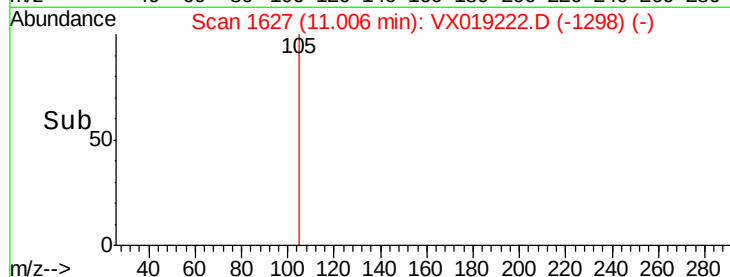
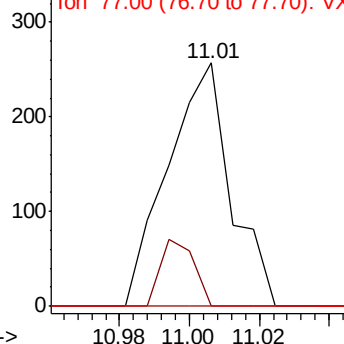
MSVOA_X

ClientSampleId :

Tot Ion:	105	Resp:	322
Ion	Ratio	Lower	Upper
105	100		
120	14.6	21.1	31.7#
77	0.0	12.6	19.0#



Abundance Ion 105.00 (104.70 to 105.70): V



#61

1,2,3-Trichloropropane

Concen: 0.661 ug/L

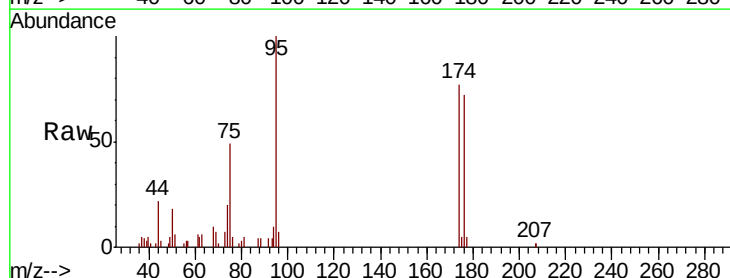
RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

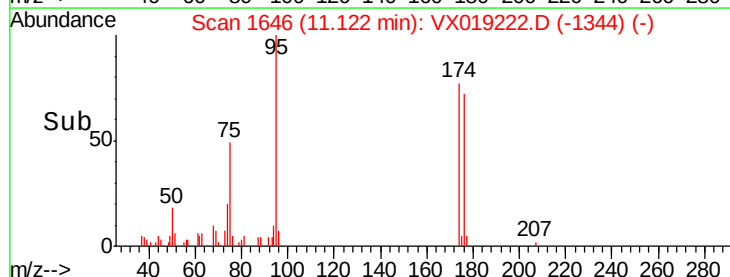
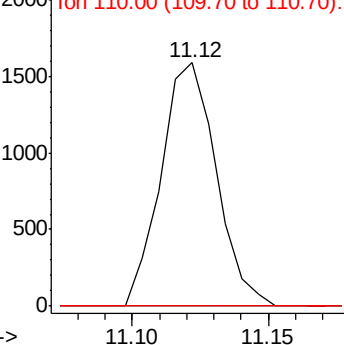
Lab File: VX019222.D

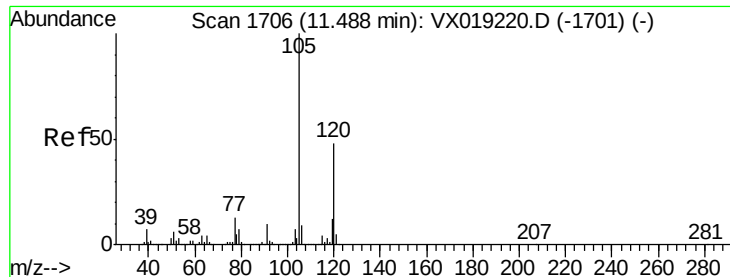
Acq: 03 Nov 2020 10:15

Tgt Ion:	75	Resp:	2240
Ion	Ratio	Lower	Upper
75	100		
77	2.2	25.4	38.0#
110	0.0	32.2	48.2#



Abundance Ion 75.00 (74.70 to 75.70): VX0





#62

1,3,5-Trimethylbenzene

Concen: 0.031 ug/L

RT: 11.49 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VX019222.D

Acq: 03 Nov 2020 10:15

Instrument :

MSVOA_X

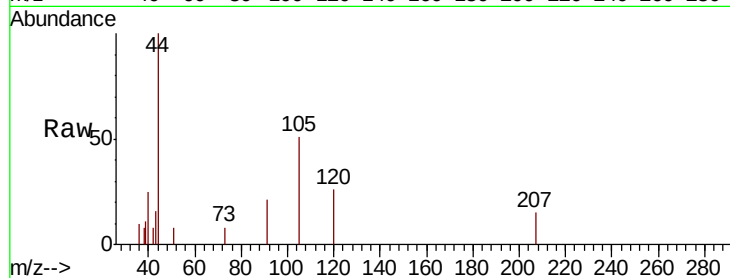
ClientSampleId :

Tot Ion:105 Resp: 342

Ion Ratio Lower Upper

105 100

120 42.1 38.8 58.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.49

300

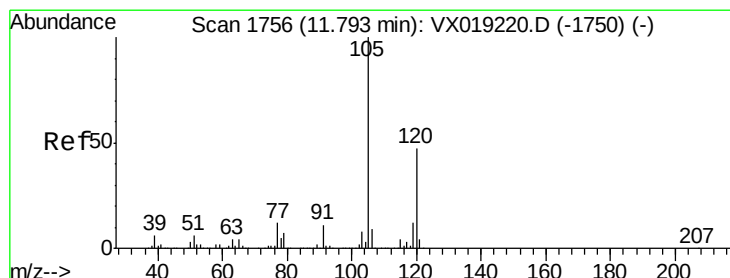
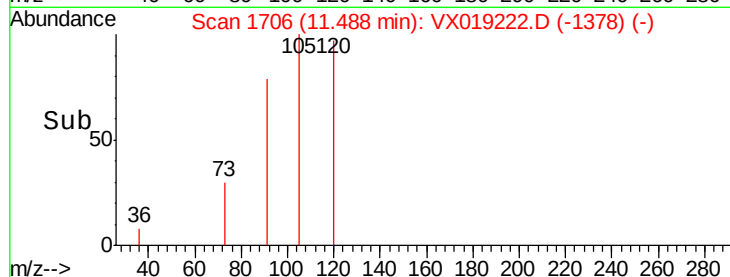
200

100

0

11.46 11.48 11.50

Time-->



#63

1,2,4-Trimethylbenzene

Concen: 0.132 ug/L

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX019222.D

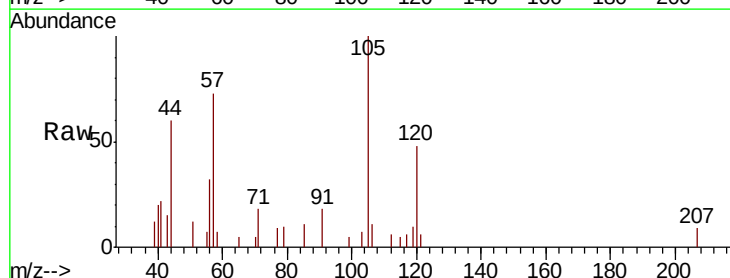
Acq: 03 Nov 2020 10:15

Tgt Ion:105 Resp: 1388

Ion Ratio Lower Upper

105 100

120 41.4 36.0 54.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.79

1200

1000

800

600

400

200

0

11.75 11.80

Time-->

