

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080720\
 Data File : VX017819.D
 Acq On : 07 Aug 2020 11:52
 Operator : JC/SP
 Sample : L3590-04
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 08 00:11:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR080720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Aug 08 00:10:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	321535	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	297739	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	150800	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	107155	4.82	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.40%
7) Chloroethane-d5	1.69	69	88891	5.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.80%
11) 1,1-Dichloroethene-d2	2.34	63	163790	3.58	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.60%
20) 2-Butanone-d5	4.53	46	260042	44.07	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.14%
24) Chloroform-d	5.14	84	209546	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.00%
26) 1,2-Dichloroethane-d4	6.03	65	116171	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.80%
32) Benzene-d6	6.05	84	410649	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.40%
36) 1,2-Dichloropropane-d6	7.37	67	123718	4.90	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.00%
41) Toluene-d8	8.70	98	387069	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.40%
45) trans-1,3-Dichloropropene-	8.99	79	50175	4.59	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.80%
48) 2-Hexanone-d5	9.43	63	206626	45.43	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.86%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	88298	4.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.00%
65) 1,2-Dichlorobenzene-d4	12.36	152	147838	5.09	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.39	62	46488	1.535	ug/L	92
13) Acetone	2.42	43	86927	20.164	ug/L	97
14) Carbon disulfide	2.55	76	6105	0.069	ug/L	98
18) trans-1,2-Dichloroethene	3.14	96	25634	0.917	ug/L	92
21) 2-Butanone	4.65	43	16799	2.256	ug/L	92
22) cis-1,2-Dichloroethene	4.56	96	7971	0.272	ug/L #	88
25) Chloroform	5.18	83	9926	0.185	ug/L	82
33) Benzene	6.11	78	25206	0.239	ug/L	100
34) Trichloroethene	7.19	95	9132	0.297	ug/L	92
35) Methylcyclohexane	7.37	83	32116	0.742	ug/L #	19
37) 1,2-Dichloropropane	7.37	63	15208	0.574	ug/L #	92
42) Toluene	8.76	91	42078	0.368	ug/L	98
53) Chlorobenzene	10.12	112	4517	0.061	ug/L	95
54) Ethylbenzene	10.24	91	104313	0.835	ug/L	98
55) m,p-xylene	10.34	106	121646	2.551	ug/L	100
56) o-xylene	10.68	106	31906	0.690	ug/L	99

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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Aug 08 00:10:20 2020
Response via : Initial Calibration

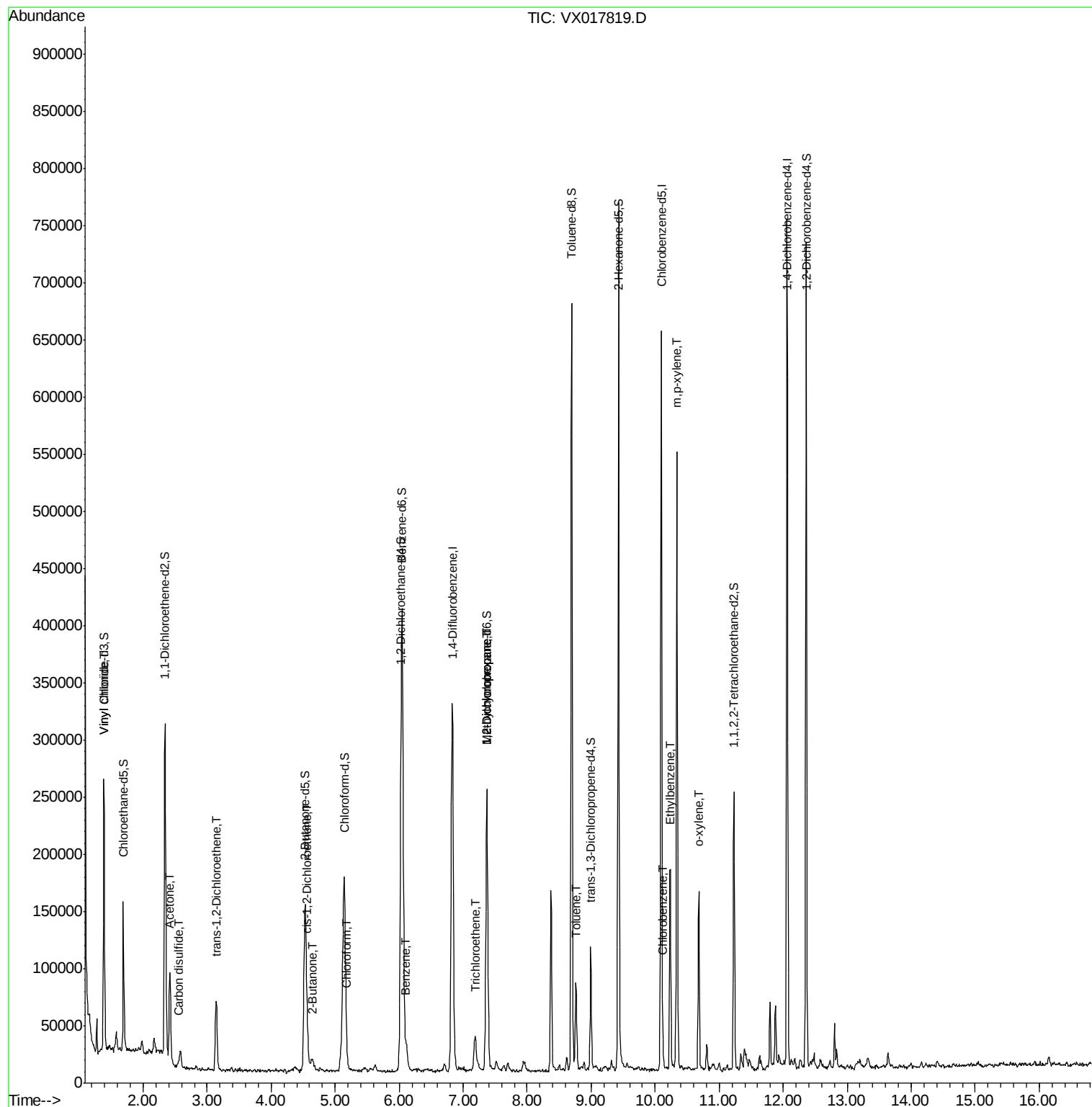
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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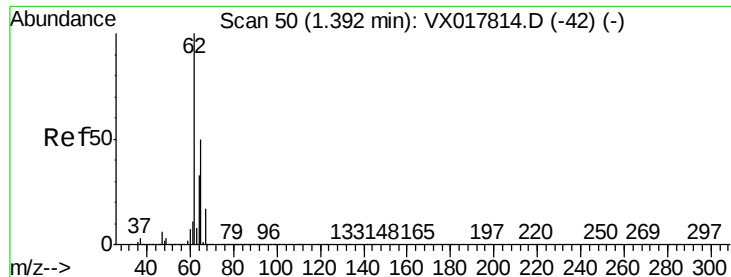
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.535 ug/L

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX017819.D

Acq: 07 Aug 2020 11:52

Instrument :

MSVOA_X

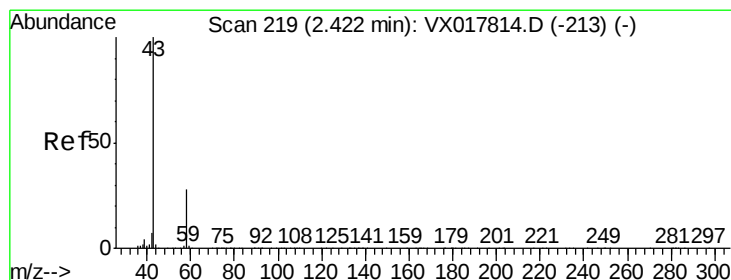
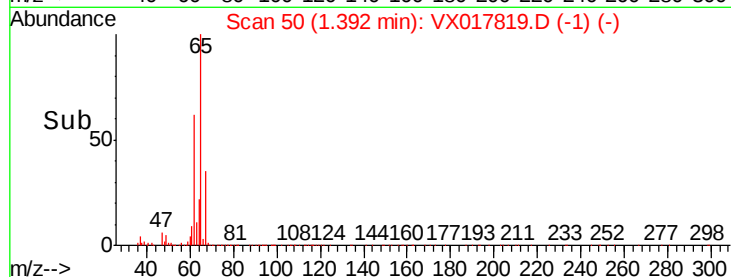
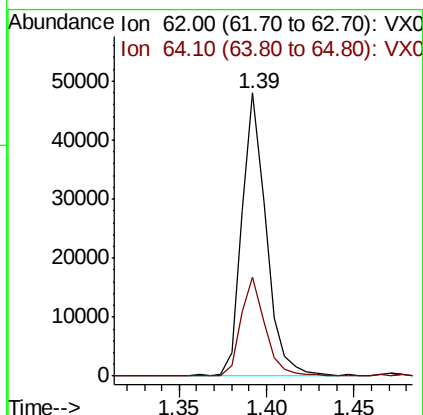
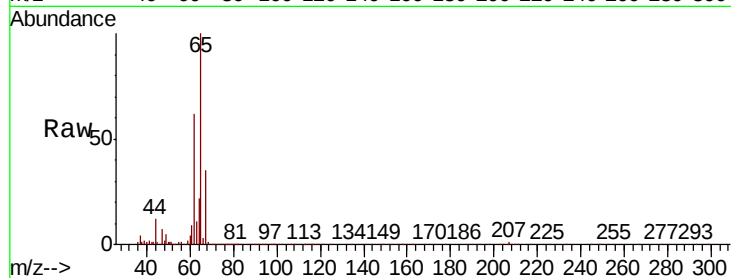
ClientSampleId :

Tot Ion: 62 Resp: 46488

Ion Ratio Lower Upper

62 100

64 35.0 21.3 39.6



#13

Acetone

Concen: 20.164 ug/L

RT: 2.42 min Scan# 219

Delta R.T. 0.00 min

Lab File: VX017819.D

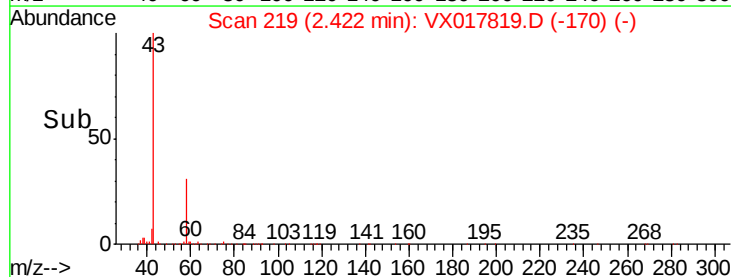
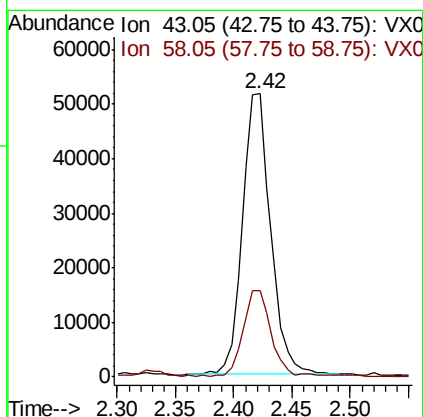
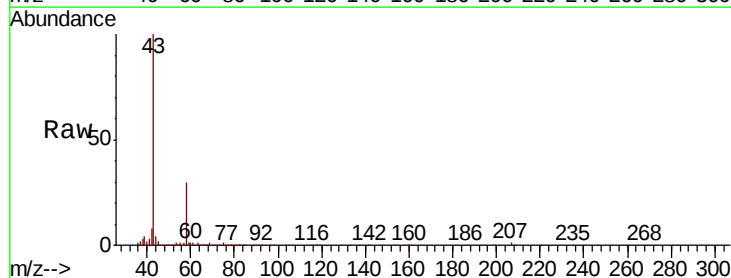
Acq: 07 Aug 2020 11:52

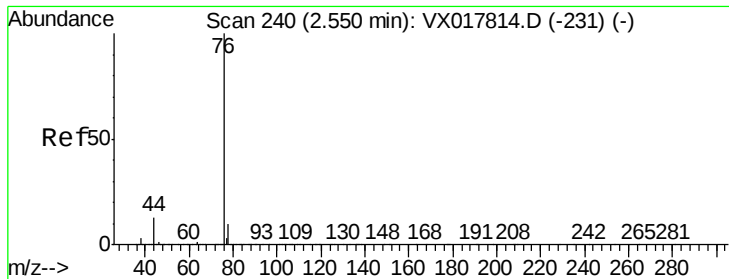
Tgt Ion: 43 Resp: 86927

Ion Ratio Lower Upper

43 100

58 32.0 0.0 60.8





#14

Carbon disulfide

Concen: 0.069 ug/L

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX017819.D

Acq: 07 Aug 2020 11:52

Instrument :

MSVOA_X

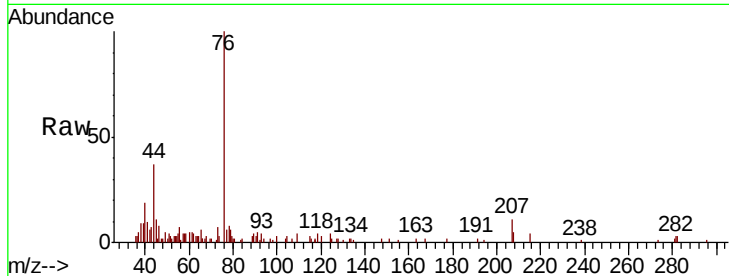
ClientSampleId :

Tot Ion: 76 Resp: 6105

Ion Ratio Lower Upper

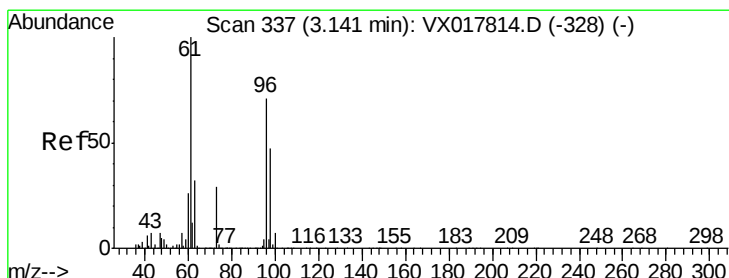
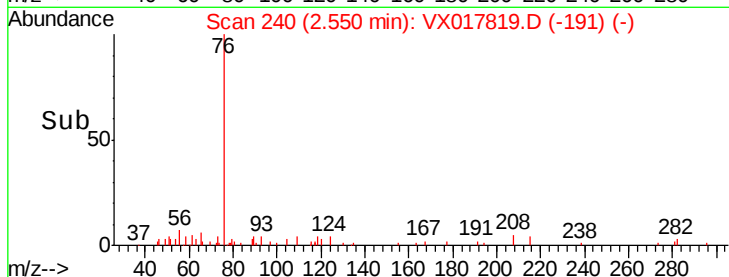
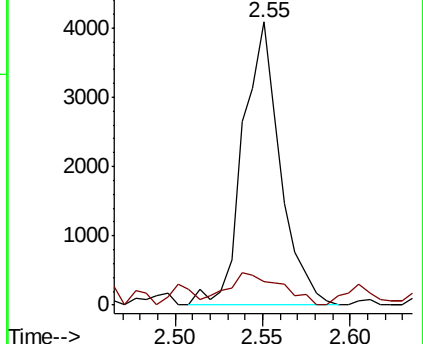
76 100

78 8.2 7.0 10.4



Abundance Ion 76.05 (75.75 to 76.75): VX0

Ion 78.00 (77.70 to 78.70): VX0



#18

trans-1,2-Dichloroethene

Concen: 0.917 ug/L

RT: 3.14 min Scan# 336

Delta R.T. -0.01 min

Lab File: VX017819.D

Acq: 07 Aug 2020 11:52

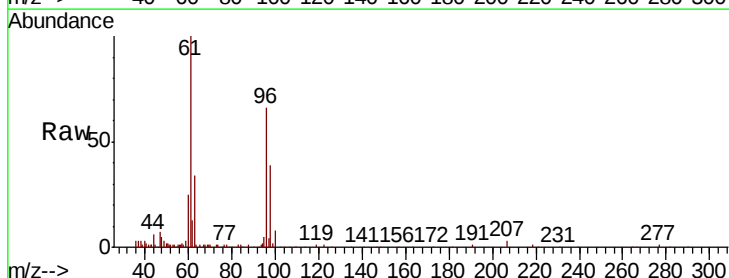
Tgt Ion: 96 Resp: 25634

Ion Ratio Lower Upper

96 100

61 152.6 98.4 182.8

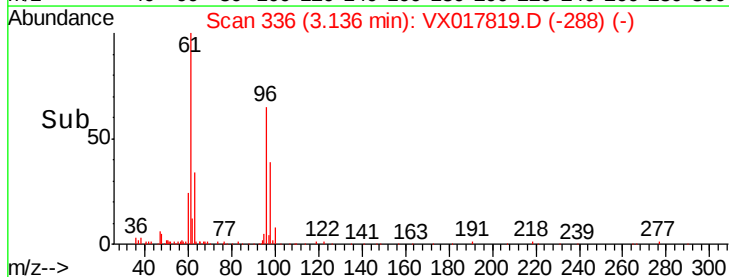
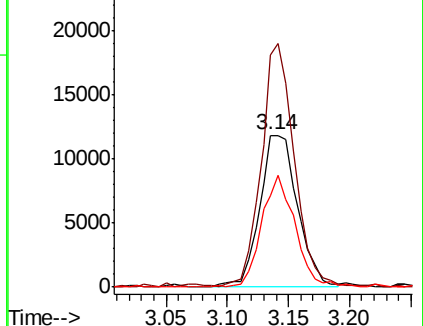
98 60.2 44.9 83.5

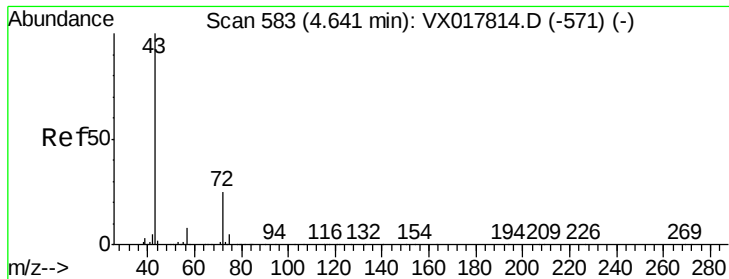


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.05 (60.75 to 61.75): VX0

Ion 97.95 (97.65 to 98.65): VX0





#21

2-Butanone

Concen: 2.256 ug/L

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX017819.D

Acq: 07 Aug 2020 11:52

Instrument :

MSVOA_X

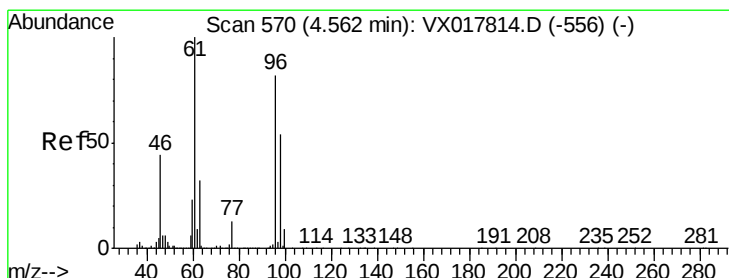
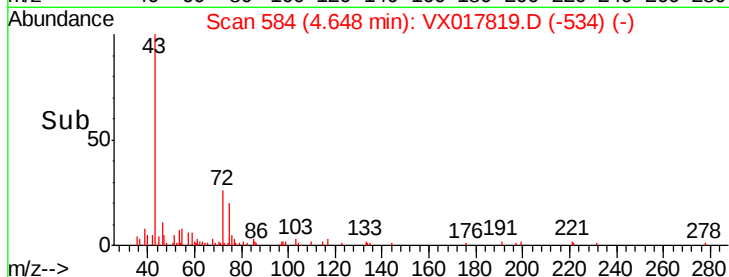
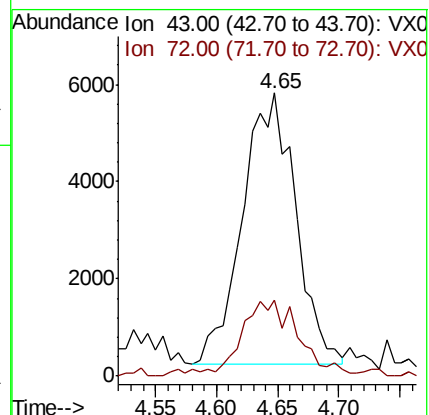
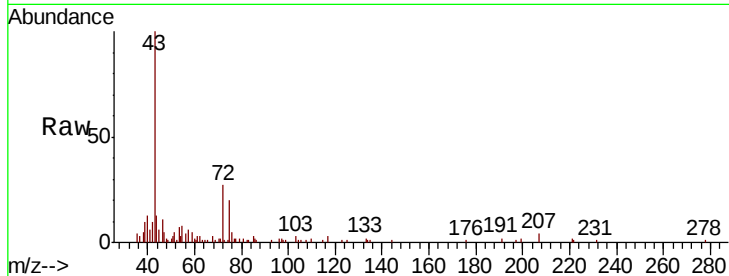
ClientSampleId :

Tot Ion: 43 Resp: 16799

Ion Ratio Lower Upper

43 100

72 30.3 13.2 39.6



#22

cis-1,2-Dichloroethene

Concen: 0.272 ug/L

RT: 4.56 min Scan# 570

Delta R.T. 0.00 min

Lab File: VX017819.D

Acq: 07 Aug 2020 11:52

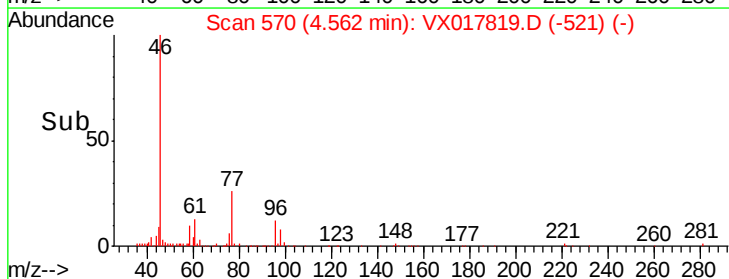
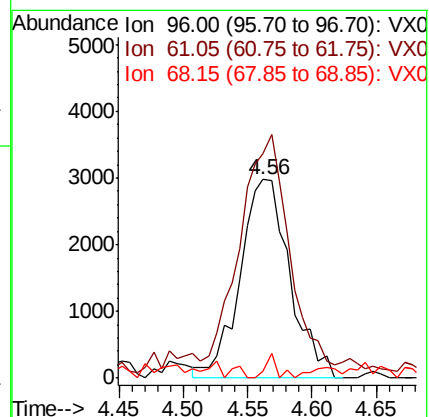
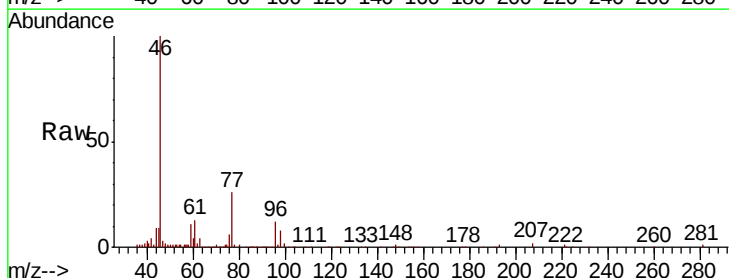
Tgt Ion: 96 Resp: 7971

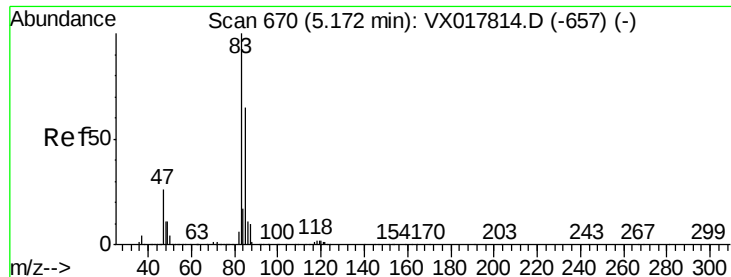
Ion Ratio Lower Upper

96 100

61 113.0 88.8 165.0

68 3.6 0.2 0.4#





#25

Chloroform

Concen: 0.185 ug/L

RT: 5.18 min Scan# 672

Delta R.T. 0.01 min

Lab File: VX017819.D

Acq: 07 Aug 2020 11:52

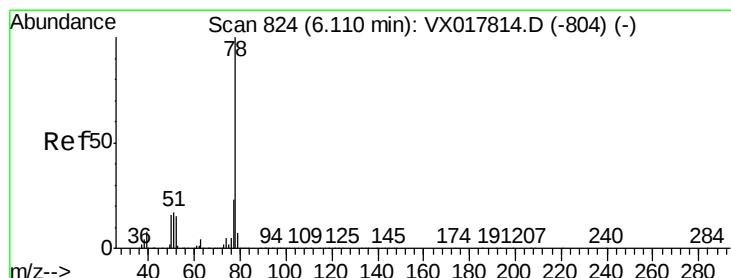
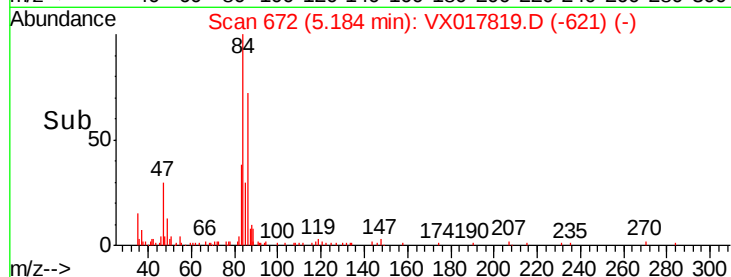
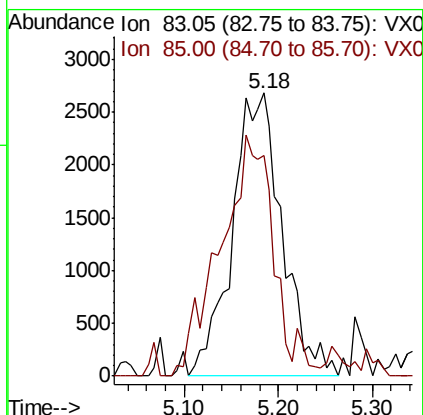
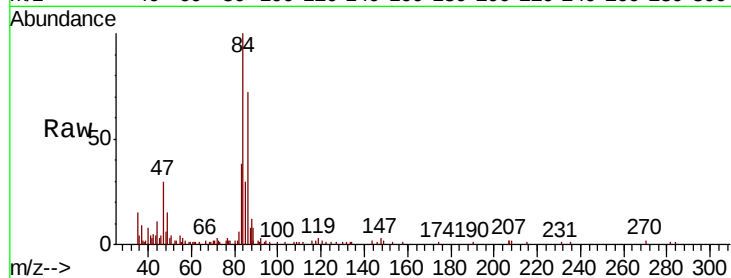
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 83 Resp: 9926

Ion Ratio Lower Upper

83 100

85 77.9 44.7 83.1



#33

Benzene

Concen: 0.239 ug/L

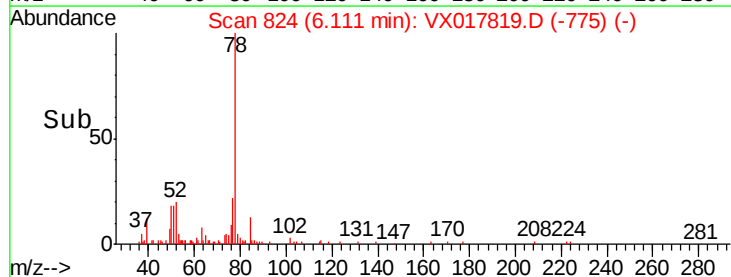
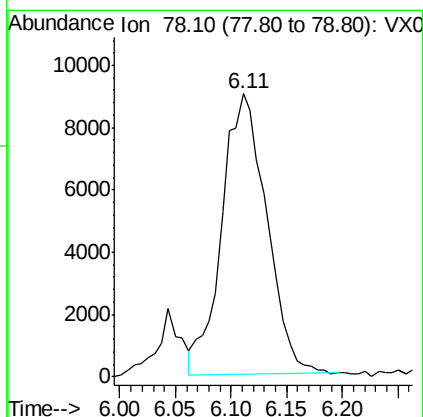
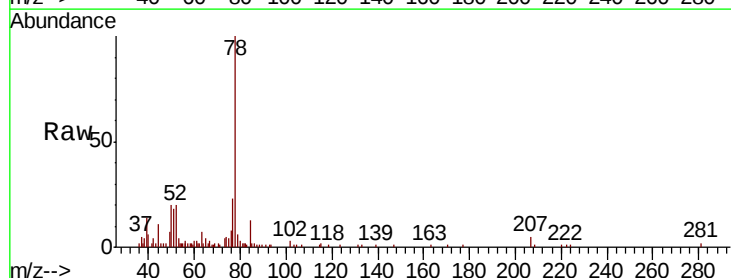
RT: 6.11 min Scan# 824

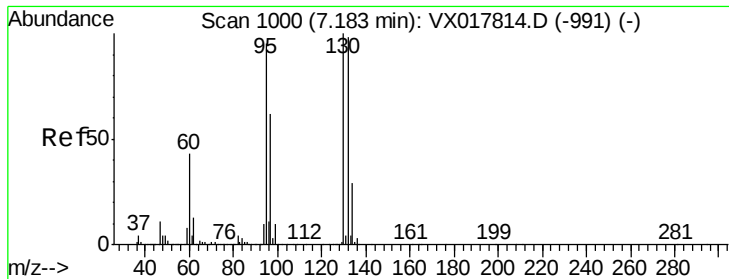
Delta R.T. 0.00 min

Lab File: VX017819.D

Acq: 07 Aug 2020 11:52

Tgt Ion: 78 Resp: 25206





#34

Trichloroethene

Concen: 0.297 ug/L

RT: 7.19 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VX017819.D

Acq: 07 Aug 2020 11:52

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 95 Resp: 9132

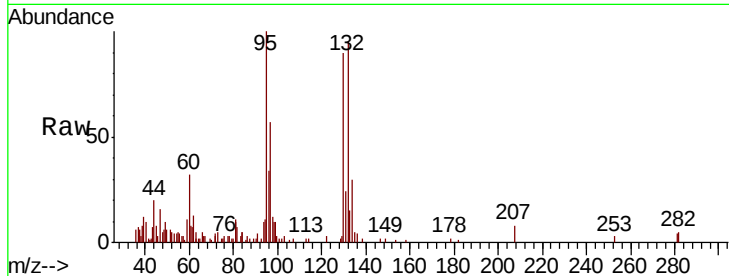
Ion Ratio Lower Upper

95 100

97 57.3 46.1 85.5

132 94.7 66.0 122.6

130 89.7 71.7 133.1

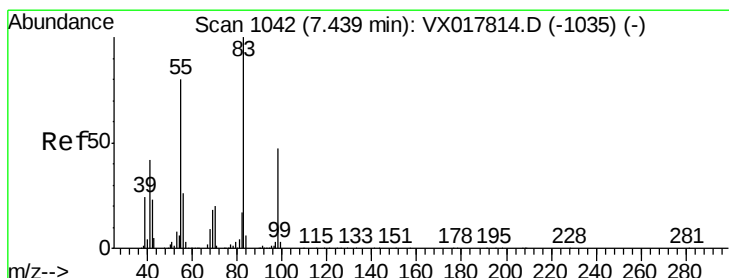
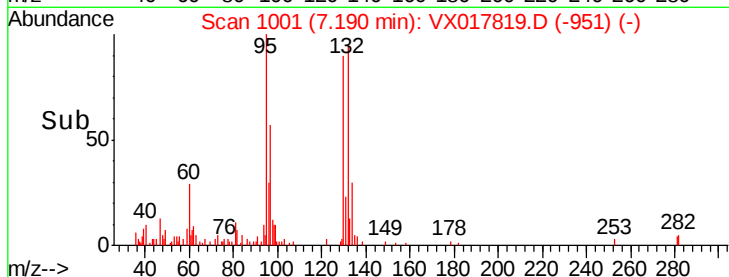
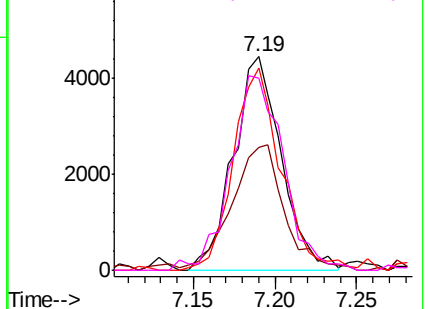


Abundance Ion 95.00 (94.70 to 95.70): VX0

Ion 96.95 (96.65 to 97.65): VX0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.742 ug/L

RT: 7.37 min Scan# 1031

Delta R.T. -0.07 min

Lab File: VX017819.D

Acq: 07 Aug 2020 11:52

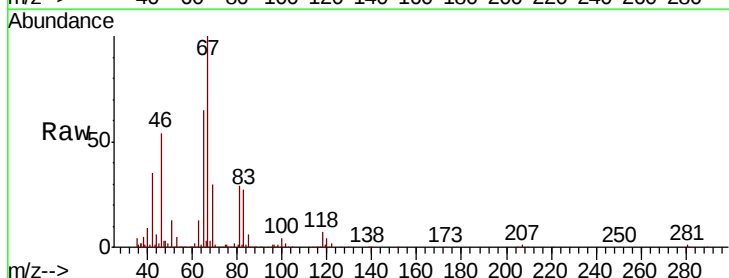
Tgt Ion: 83 Resp: 32116

Ion Ratio Lower Upper

83 100

55 1.3 62.4 93.6#

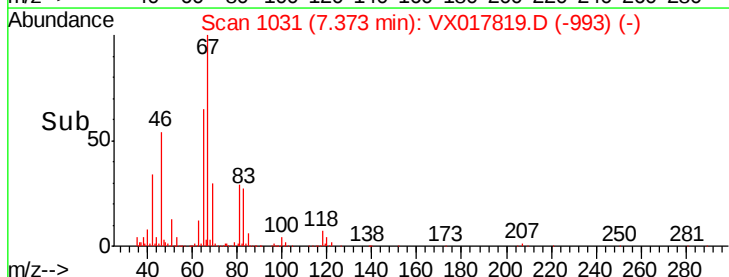
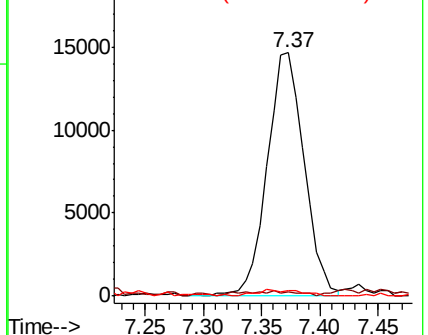
98 1.7 38.0 57.0#

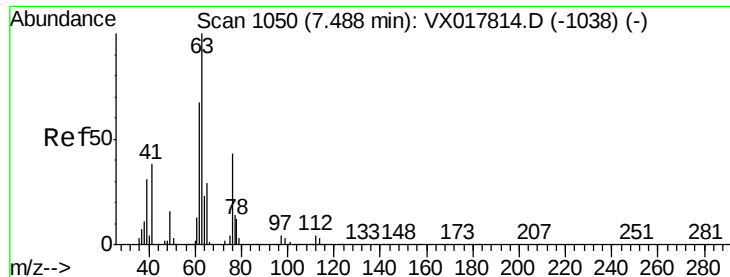


Abundance Ion 83.15 (82.85 to 83.85): VX0

Ion 55.10 (54.80 to 55.80): VX0

Ion 98.15 (97.85 to 98.85): VX0

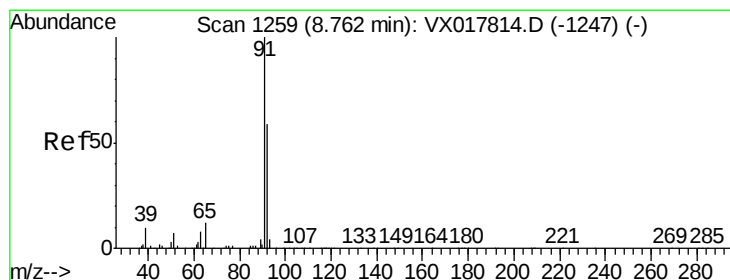
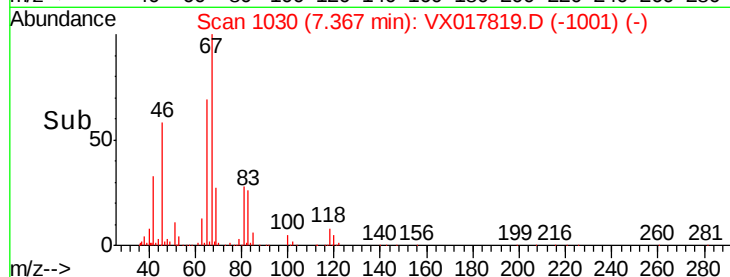
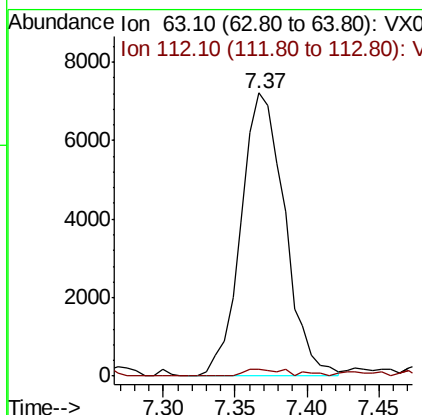
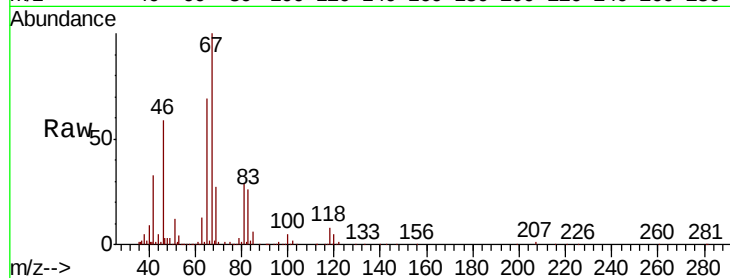




#37
 1,2-Dichloropropane
 Concen: 0.574 ug/L
 RT: 7.37 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VX017819.D
 Acq: 07 Aug 2020 11:52

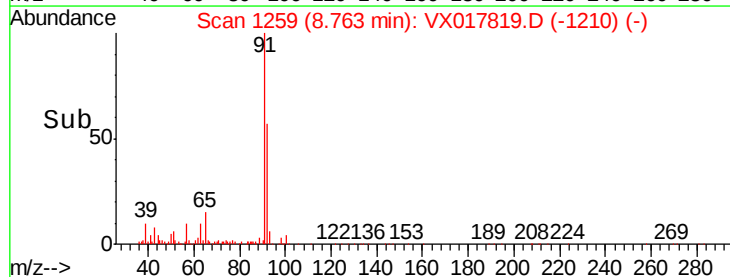
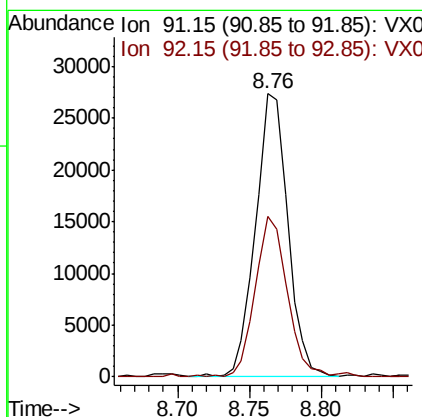
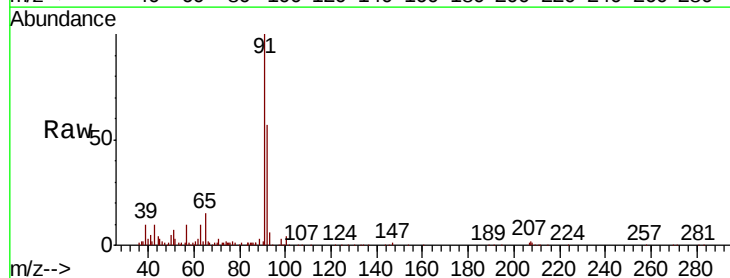
Instrument :
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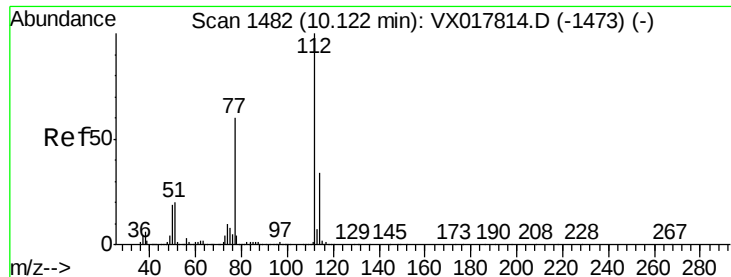
Tot Ion: 63 Resp: 15208
 Ion Ratio Lower Upper
 63 100
 112 2.0 3.6 5.4#



#42
 Toluene
 Concen: 0.368 ug/L
 RT: 8.76 min Scan# 1259
 Delta R.T. 0.00 min
 Lab File: VX017819.D
 Acq: 07 Aug 2020 11:52

Tgt Ion: 91 Resp: 42078
 Ion Ratio Lower Upper
 91 100
 92 56.6 38.8 72.0





#53

Chlorobenzene

Concen: 0.061 ug/L

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX017819.D

Acq: 07 Aug 2020 11:52

Instrument :

MSVOA_X

ClientSampleId :

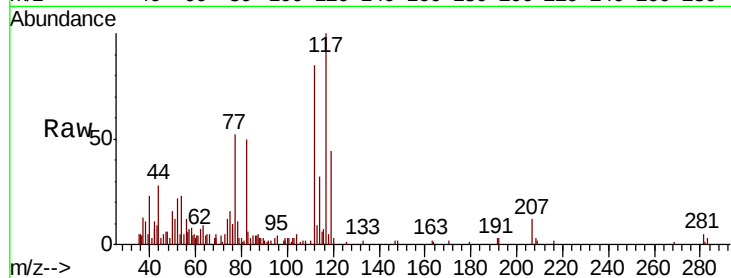
Tot Ion: 112 Resp: 4517

Ion Ratio Lower Upper

112 100

114 37.2 23.5 43.7

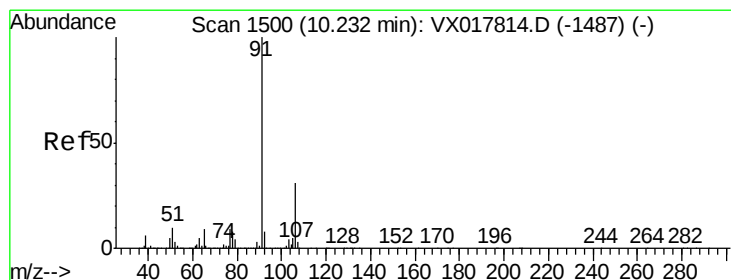
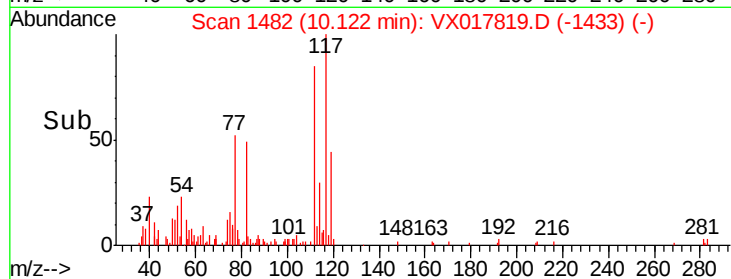
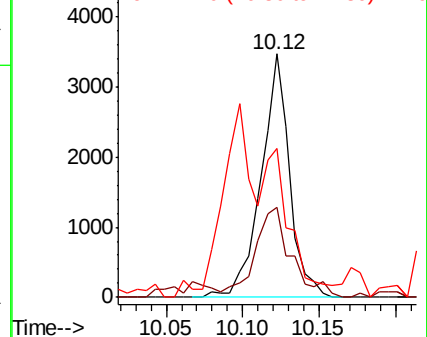
77 61.4 46.7 70.1



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: 0.835 ug/L

RT: 10.24 min Scan# 1501

Delta R.T. 0.01 min

Lab File: VX017819.D

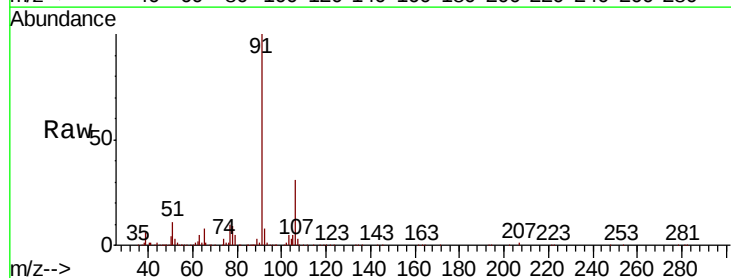
Acq: 07 Aug 2020 11:52

Tgt Ion: 91 Resp: 104313

Ion Ratio Lower Upper

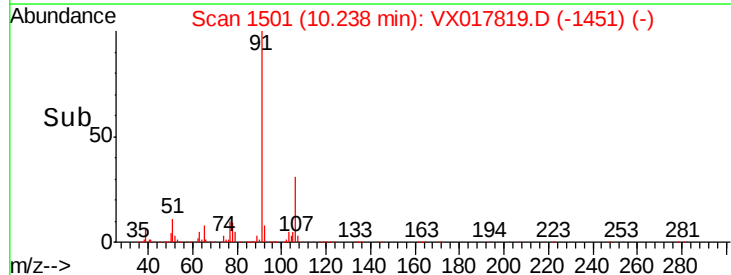
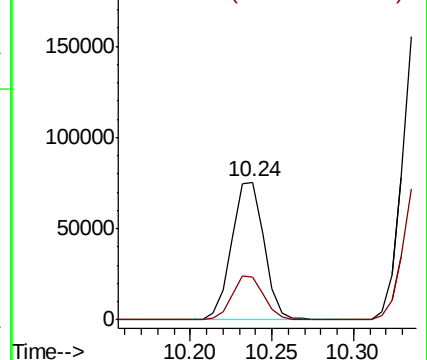
91 100

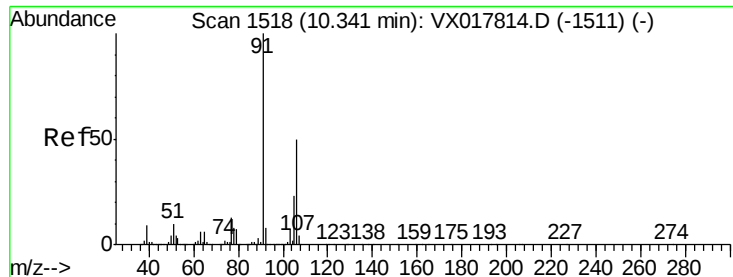
106 30.9 22.5 41.9



Abundance Ion 91.15 (90.85 to 91.85): VX0

Ion 106.15 (105.85 to 106.85): V





#55

m,p-xylene

Concen: 2.551 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX017819.D

Acq: 07 Aug 2020 11:52

Instrument :

MSVOA_X

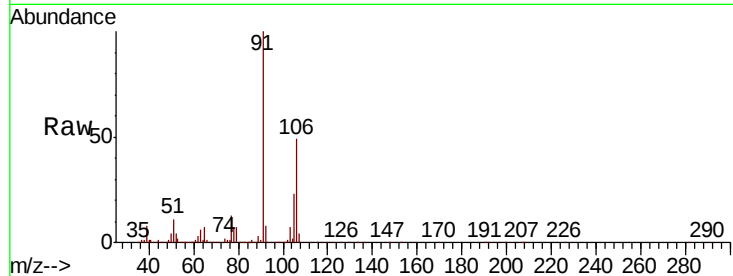
ClientSampleId :

Tot Ion:106 Resp: 121646

Ion Ratio Lower Upper

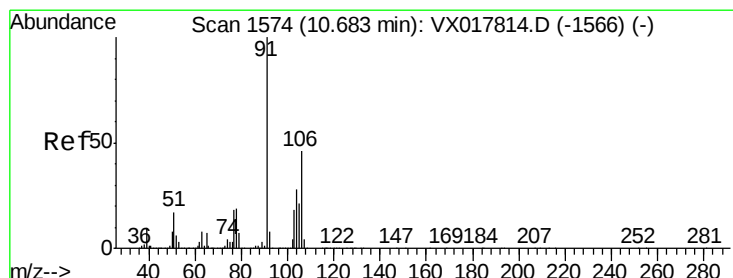
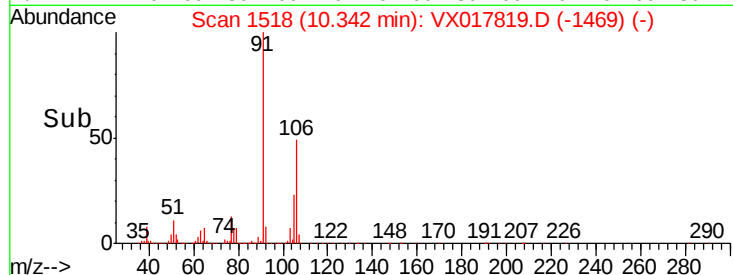
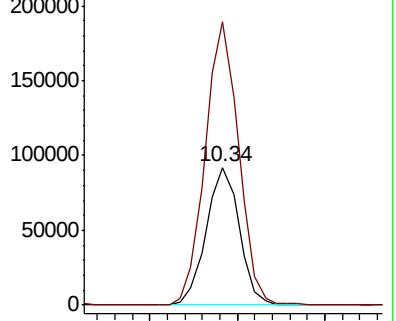
106 100

91 205.4 143.3 266.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0



#56

o-xylene

Concen: 0.690 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VX017819.D

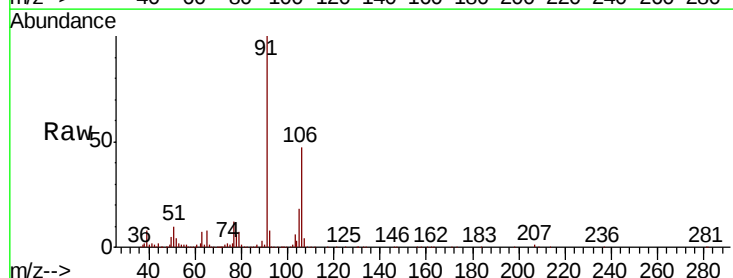
Acq: 07 Aug 2020 11:52

Tgt Ion:106 Resp: 31906

Ion Ratio Lower Upper

106 100

91 211.7 149.8 278.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0

