

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VOX093020\
 Data File : VX018719.D
 Acq On : 01 Oct 2020 00:03
 Operator : JC/SP
 Sample : L4171-13
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BG3W0

Quant Time: Oct 01 06:08:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR092820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Oct 01 01:06:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	256972	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	209520	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.07	152	104181	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	48455	3.60	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.00%
7) Chloroethane-d5	1.70	69	38682	3.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	68.20%
11) 1,1-Dichloroethene-d2	2.34	63	76479	2.57	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	51.40%#
20) 2-Butanone-d5	4.54	46	176608	51.51	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.02%
24) Chloroform-d	5.14	84	131730	4.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.60%
26) 1,2-Dichloroethane-d4	6.03	65	75603	4.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.40%
32) Benzene-d6	6.05	84	225407	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.20%
36) 1,2-Dichloropropane-d6	7.37	67	74774	5.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.40%
41) Toluene-d8	8.70	98	206210	4.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.80%
45) trans-1,3-Dichloropropene-	8.99	79	33613	5.13	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.60%
48) 2-Hexanone-d5	9.43	63	143521	61.15	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	122.30%
59) 1,1,2,2-Tetrachloroethane-	11.24	84	55929	5.10	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.00%
65) 1,2-Dichlorobenzene-d4	12.37	152	71449	4.20	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	84.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.43	43	81537	42.962	ug/L	98
14) Carbon disulfide	2.55	76	58217	1.526	ug/L	96
21) 2-Butanone	4.65	43	82392	27.350	ug/L #	58
30) Cyclohexane	5.56	56	137422	8.656	ug/L	90
33) Benzene	6.12	78	6258	0.155	ug/L	100
35) Methylcyclohexane	7.44	83	99746	6.135	ug/L	97
40) 4-Methyl-2-pentanone	8.62	43	18060	3.023	ug/L #	89
42) Toluene	8.77	91	4865	0.111	ug/L	93
50) 2-Hexanone	9.48	43	69252	16.377	ug/L	99
54) Ethylbenzene	10.24	91	31289	0.658	ug/L	93
55) m,p-xylene	10.34	106	27818	1.531	ug/L	98
56) o-xylene	10.68	106	14314	0.834	ug/L	94
58) Isopropylbenzene	11.01	105	1419797	30.837	ug/L	100
64) 1,4-Dichlorobenzene	12.08	146	2705	0.118	ug/L #	62
69) 1,2,4-trichlorobenzene	13.63	180	6485947	465.343	ug/L	96
71) 1,2,3-Trichlorobenzene	14.01	180	1535897	121.939	ug/L	99

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Oct 01 01:06:26 2020
Response via : Initial Calibration

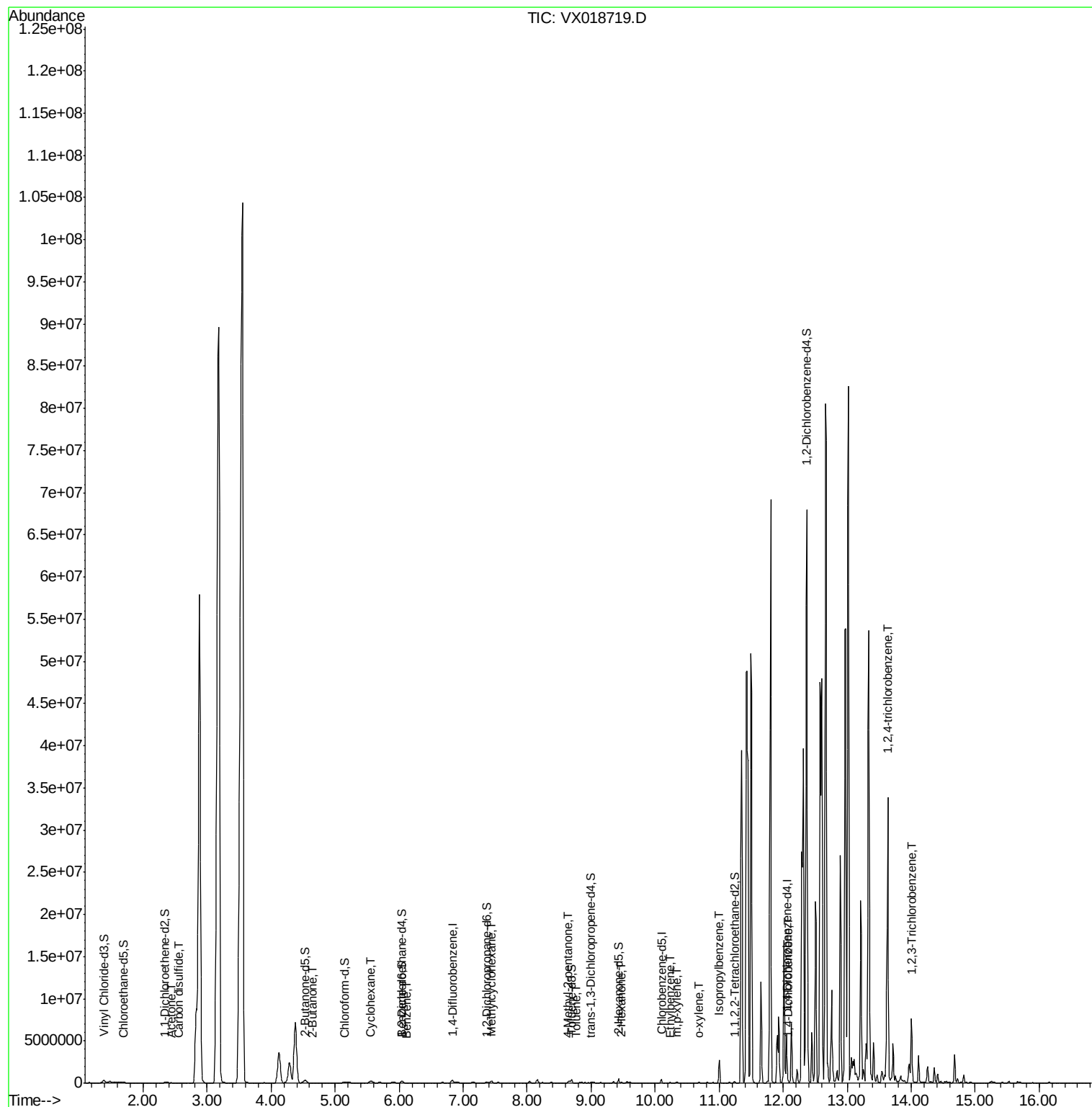
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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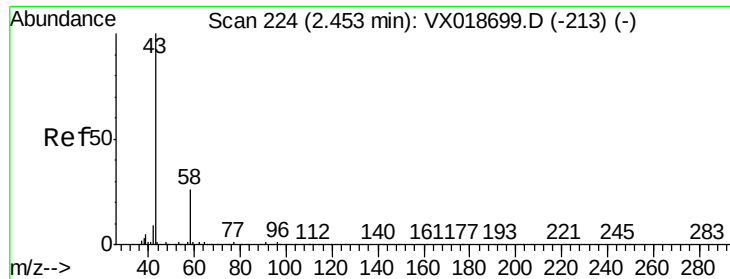
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Oct 01 01:06:26 2020
Response via : Initial Calibration





#13

Acetone

Concen: 42.962 ug/L

RT: 2.43 min Scan# 221

Delta R.T. -0.03 min

Lab File: VX018719.D

Acq: 01 Oct 2020 00:03

Instrument :

MSVOA_X

ClientSampleId :

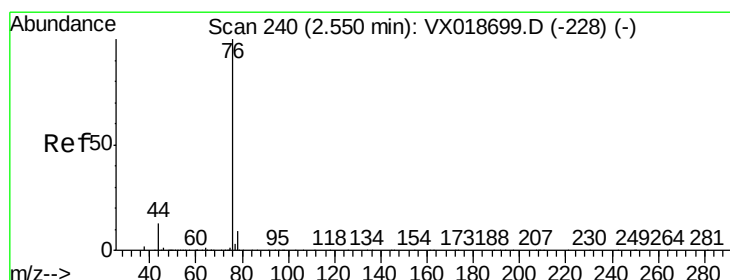
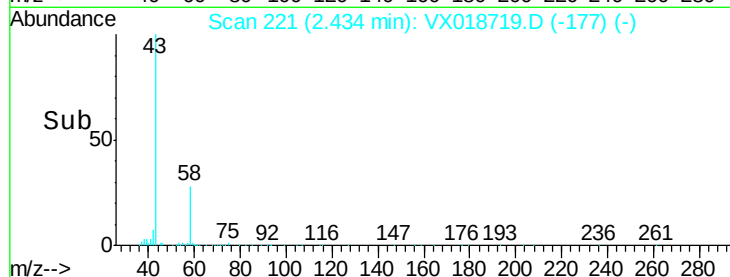
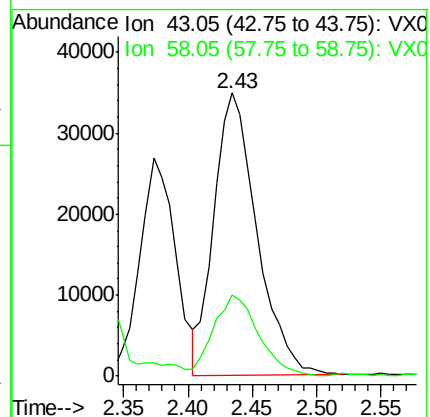
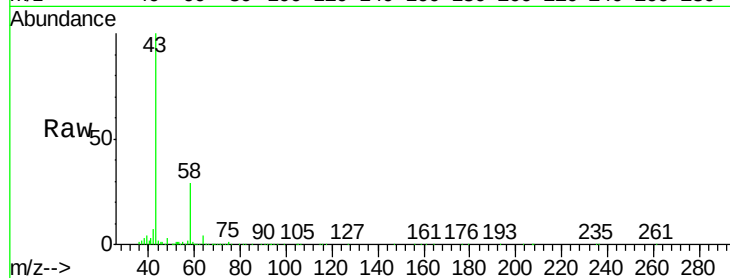
BG3W0

Tot Ion: 43 Resp: 81537

Ion Ratio Lower Upper

43 100

58 29.8 0.0 61.6



#14

Carbon disulfide

Concen: 1.526 ug/L

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX018719.D

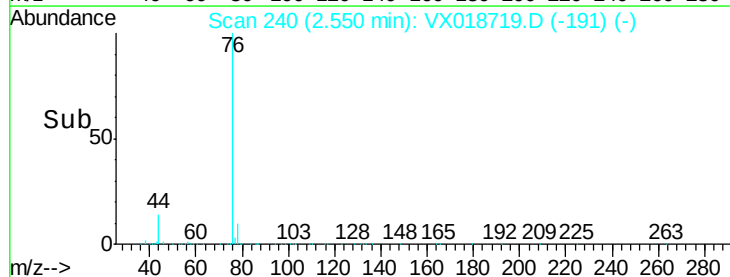
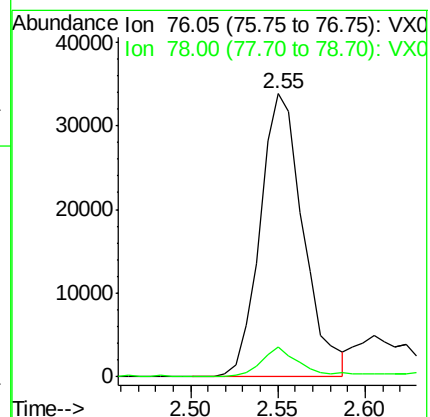
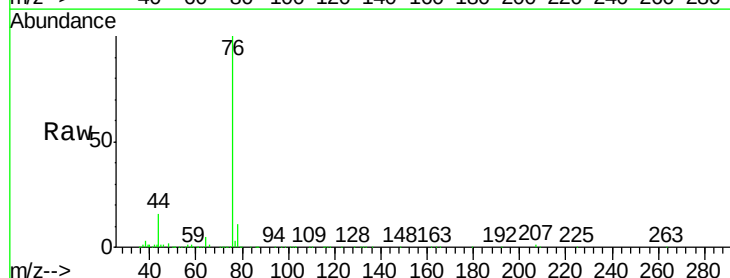
Acq: 01 Oct 2020 00:03

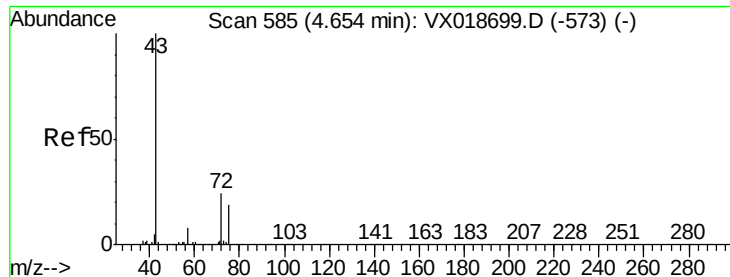
Tgt Ion: 76 Resp: 58217

Ion Ratio Lower Upper

76 100

78 10.7 7.4 11.0

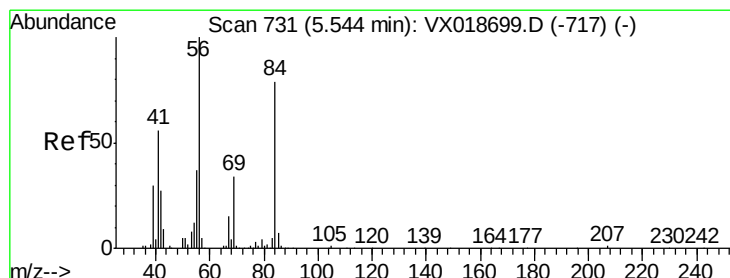
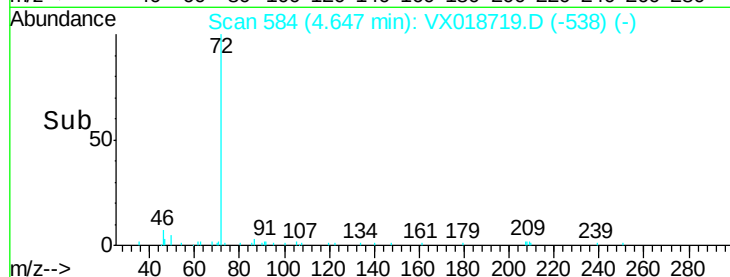
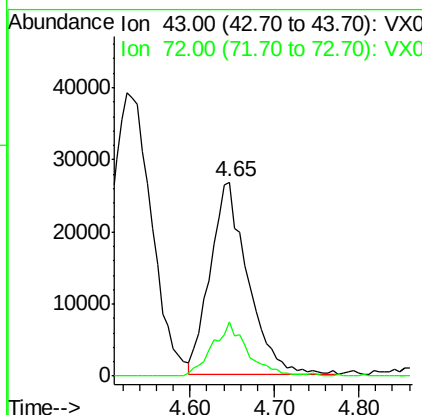
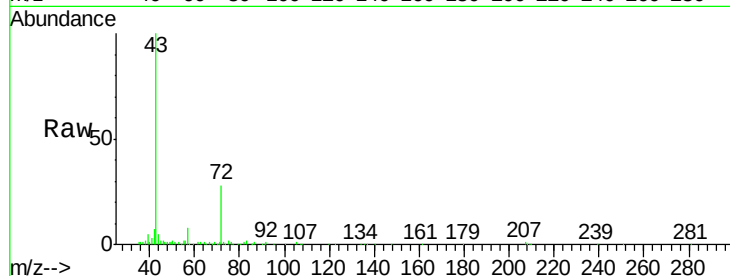




#21
2-Butanone
Concen: 27.350 ug/L
RT: 4.65 min Scan# 584
Delta R.T. -0.02 min
Lab File: VX018719.D
Acq: 01 Oct 2020 00:03

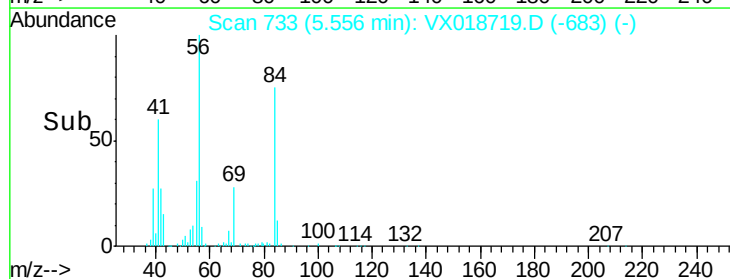
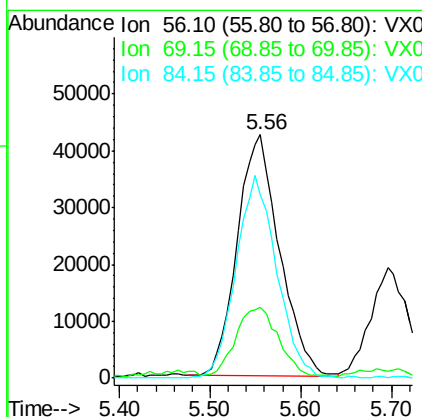
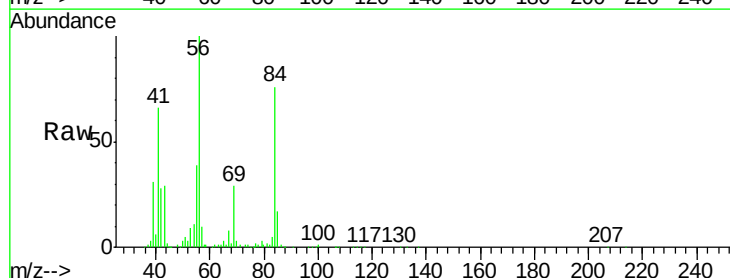
Instrument :
MSVOA_X
ClientSampleId :
BG3W0

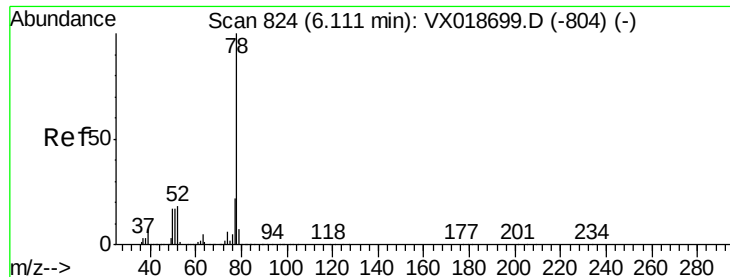
Tot Ion: 43 Resp: 82392
Ion Ratio Lower Upper
43 100
72 26.3 5.2 15.6#



#30
Cyclohexane
Concen: 8.656 ug/L
RT: 5.56 min Scan# 733
Delta R.T. 0.01 min
Lab File: VX018719.D
Acq: 01 Oct 2020 00:03

Tgt Ion: 56 Resp: 137422
Ion Ratio Lower Upper
56 100
69 29.2 26.4 39.6
84 80.9 72.7 109.1





#33

Benzene

Concen: 0.155 ug/L

RT: 6.12 min Scan# 825

Delta R.T. 0.01 min

Lab File: VX018719.D

Acq: 01 Oct 2020 00:03

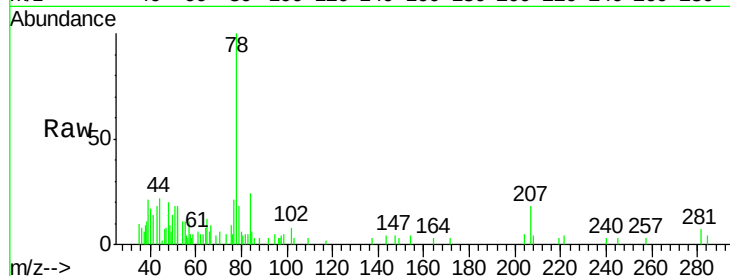
Instrument :

MSVOA_X

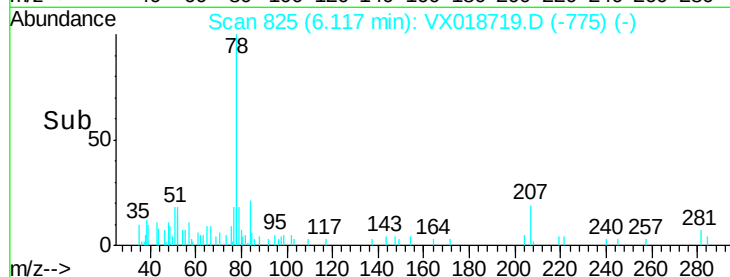
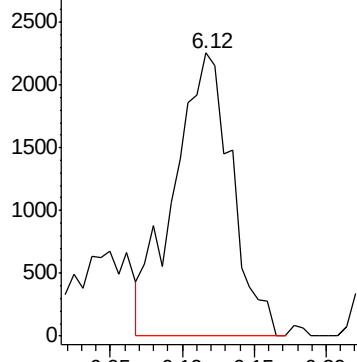
ClientSampleId :

BG3W0

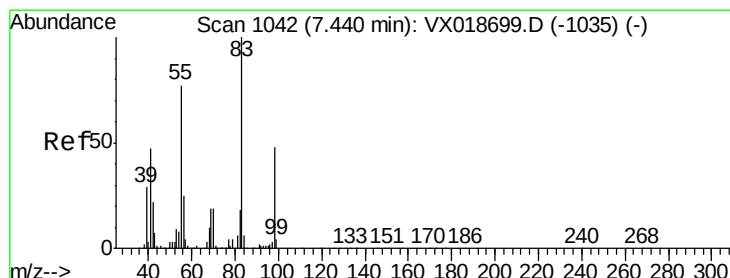
Tgt Ion: 78 Resp: 6258



Abundance Ion 78.10 (77.80 to 78.80): VX0



Time-->



#35

Methylcyclohexane

Concen: 6.135 ug/L

RT: 7.44 min Scan# 1042

Delta R.T. -0.00 min

Lab File: VX018719.D

Acq: 01 Oct 2020 00:03

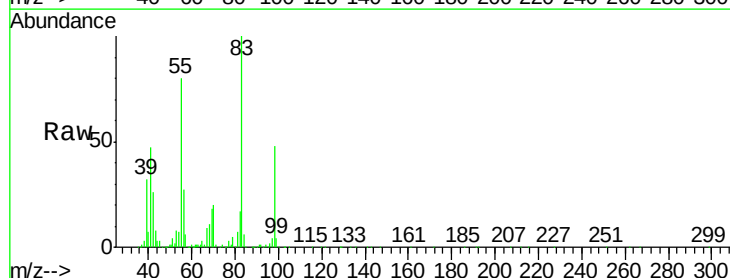
Tgt Ion: 83 Resp: 99746

Ion Ratio Lower Upper

83 100

55 83.0 67.4 101.0

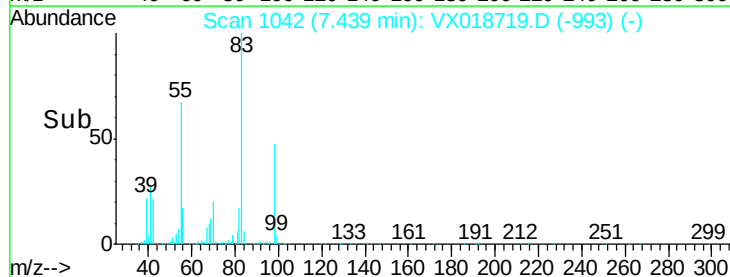
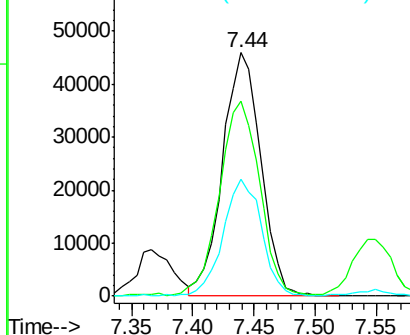
98 48.2 41.1 61.7

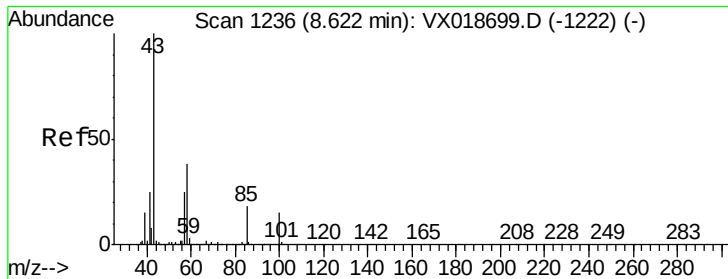


Abundance Ion 83.15 (82.85 to 83.85): VX0

Ion 55.10 (54.80 to 55.80): VX0

Ion 98.15 (97.85 to 98.85): VX0

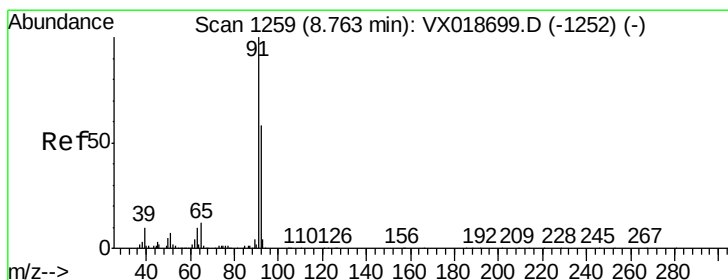
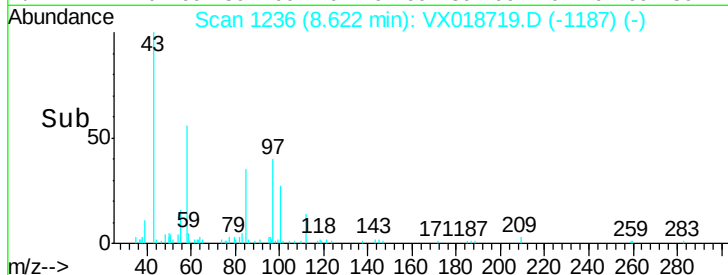
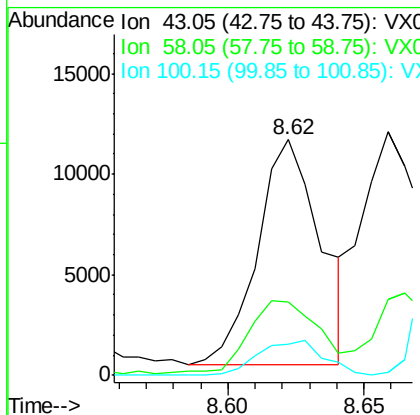
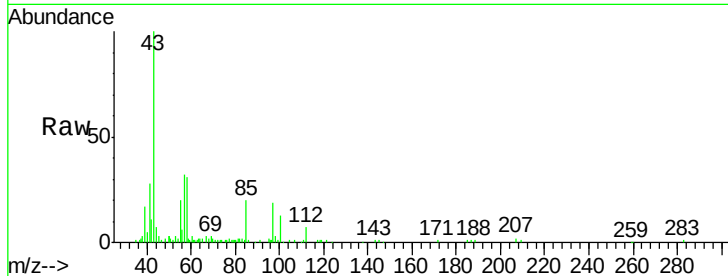




#40
 4-Methyl-2-pentanone
 Concen: 3.023 ug/L
 RT: 8.62 min Scan# 1236
 Delta R.T. -0.00 min
 Lab File: VX018719.D
 Acq: 01 Oct 2020 00:03

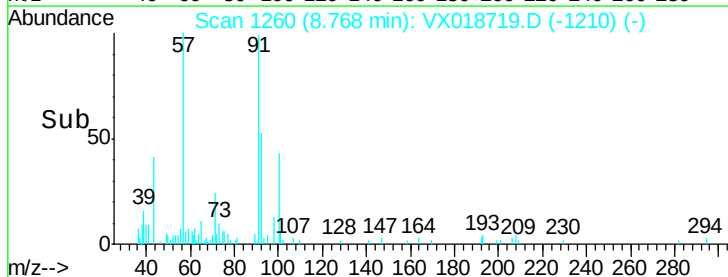
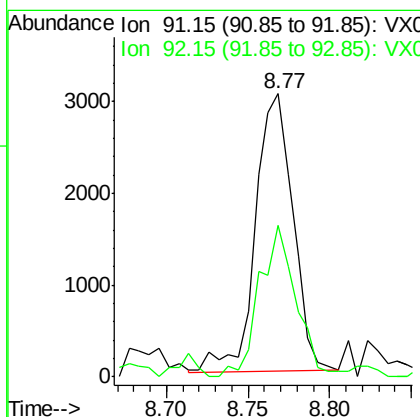
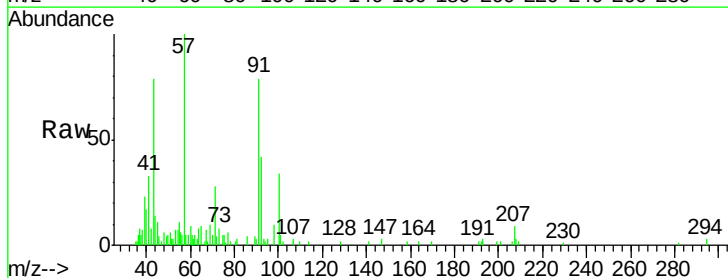
Instrument :
 MSVOA_X
 ClientSampleId :
 BG3W0

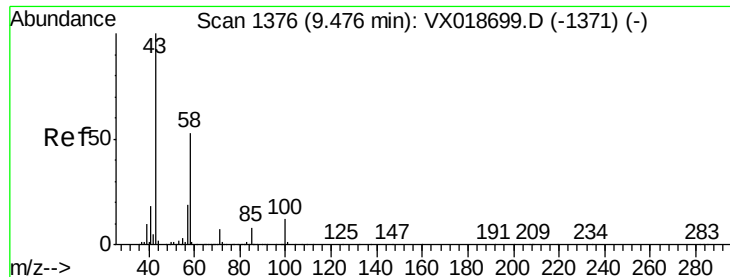
Tot Ion: 43 Resp: 18060
 Ion Ratio Lower Upper
 43 100
 58 36.9 30.2 45.4
 100 0.0 11.8 17.8#



#42
 Toluene
 Concen: 0.111 ug/L
 RT: 8.77 min Scan# 1260
 Delta R.T. 0.01 min
 Lab File: VX018719.D
 Acq: 01 Oct 2020 00:03

Tgt Ion: 91 Resp: 4865
 Ion Ratio Lower Upper
 91 100
 92 53.5 41.1 76.3

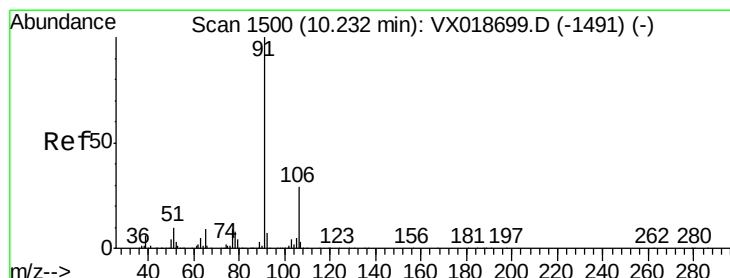
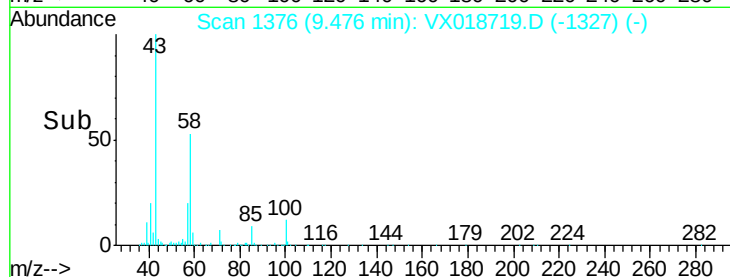
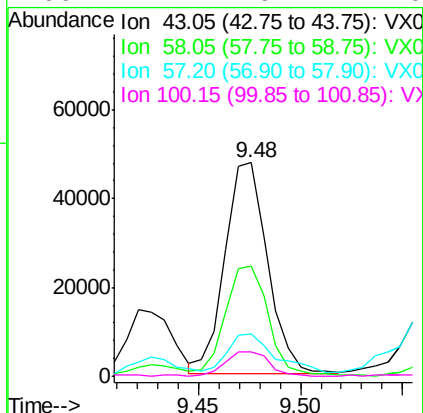
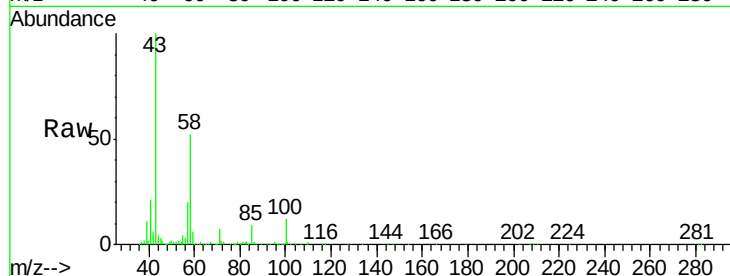




#50
2-Hexanone
Concen: 16.377 ug/L
RT: 9.48 min Scan# 1376
Delta R.T. -0.00 min
Lab File: VX018719.D
Acq: 01 Oct 2020 00:03

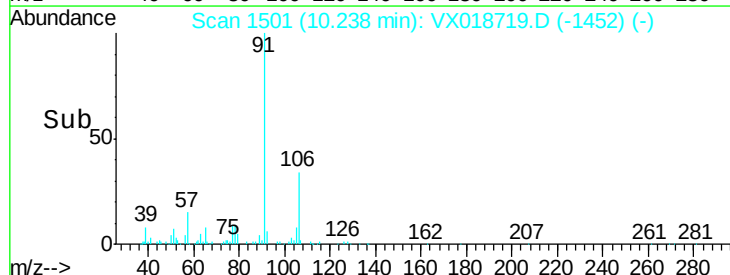
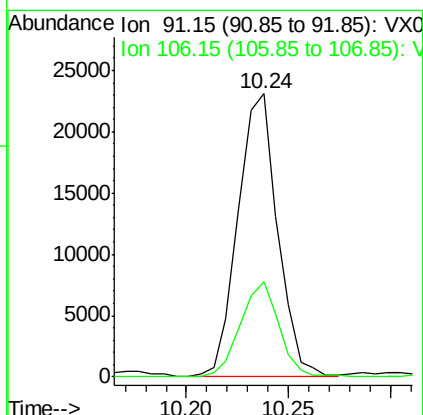
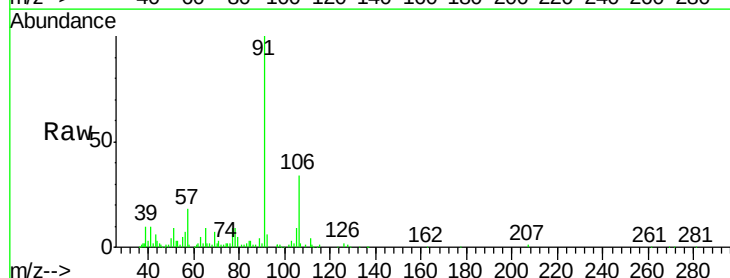
Instrument :
MSVOA_X
ClientSampled :
BG3W0

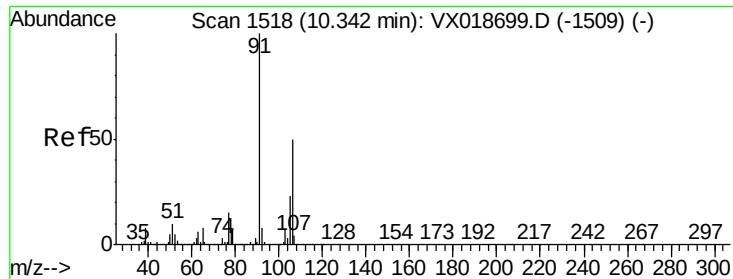
Tot Ion:	43	Resp:	69252
Ion	Ratio	Lower	Upper
43	100		
58	52.6	42.5	63.7
57	19.6	15.9	23.9
100	12.4	9.4	14.0



#54
Ethylbenzene
Concen: 0.658 ug/L
RT: 10.24 min Scan# 1501
Delta R.T. -0.00 min
Lab File: VX018719.D
Acq: 01 Oct 2020 00:03

Tgt Ion:	91	Resp:	31289
Ion	Ratio	Lower	Upper
91	100		
106	33.8	21.0	39.0





#55

m,p-xylene

Concen: 1.531 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX018719.D

Acq: 01 Oct 2020 00:03

Instrument :

MSVOA_X

ClientSampleId :

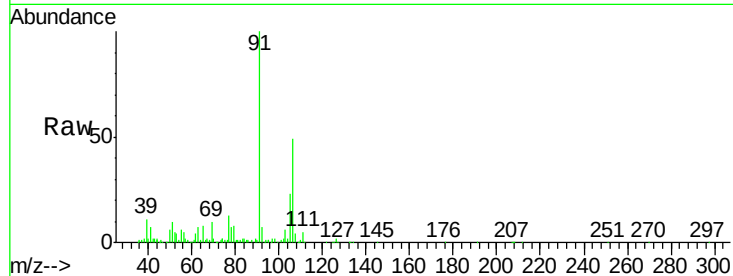
BG3W0

Tot Ion:106 Resp: 27818

Ion Ratio Lower Upper

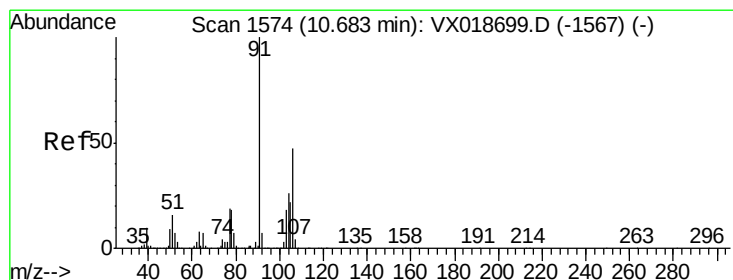
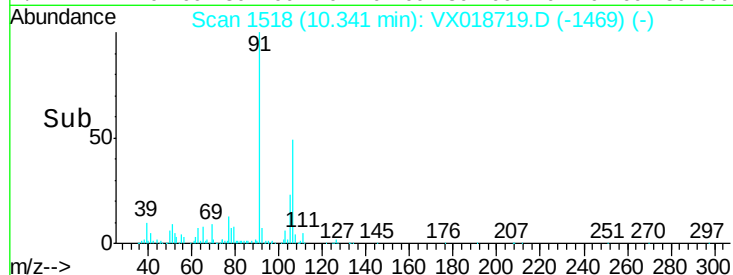
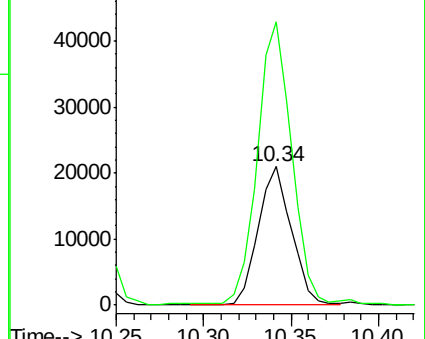
106 100

91 204.2 140.3 260.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0



#56

o-xylene

Concen: 0.834 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VX018719.D

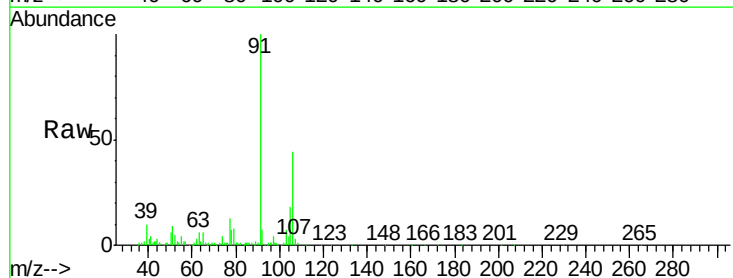
Acq: 01 Oct 2020 00:03

Tgt Ion:106 Resp: 14314

Ion Ratio Lower Upper

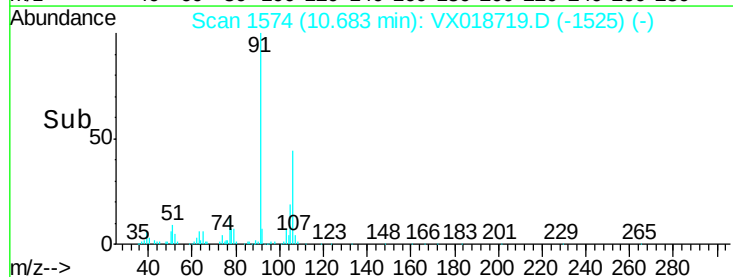
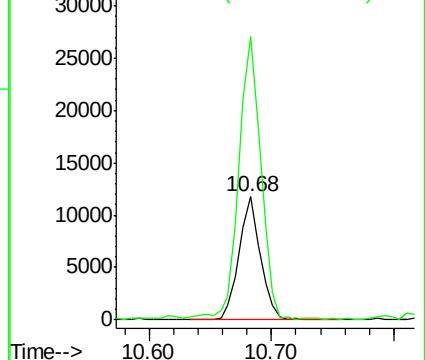
106 100

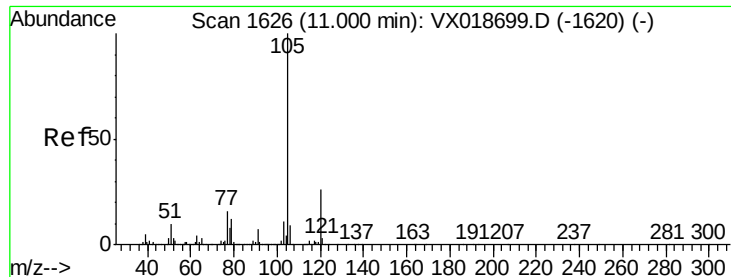
91 229.6 167.5 311.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0





#58

Isopropylbenzene

Concen: 30.837 ug/L

RT: 11.01 min Scan# 1627

Delta R.T. 0.01 min

Lab File: VX018719.D

Acq: 01 Oct 2020 00:03

Instrument :

MSVOA_X

ClientSampled :

BG3W0

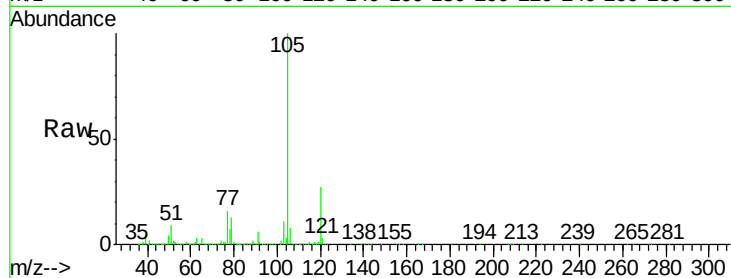
Tot Ion:105 Resp: 1419797

Ion Ratio Lower Upper

105 100

120 26.6 21.2 31.8

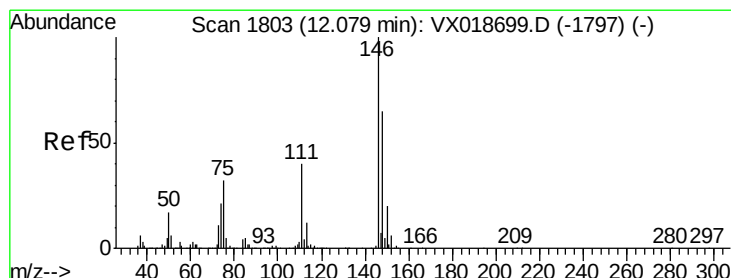
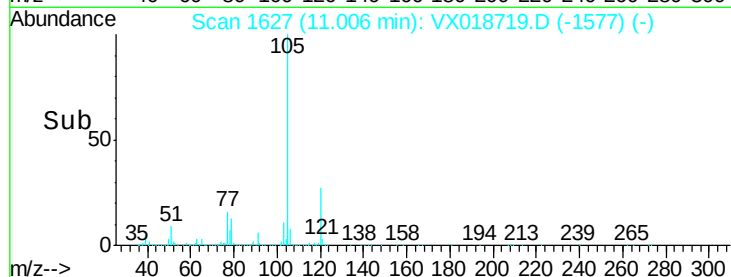
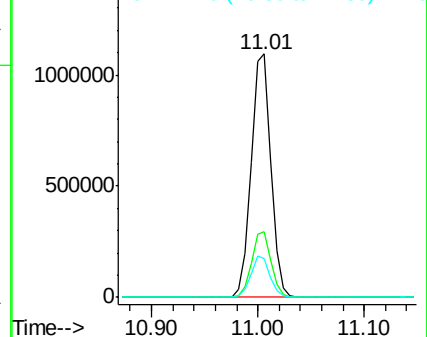
77 16.5 13.3 19.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#64

1,4-Dichlorobenzene

Concen: 0.118 ug/L

RT: 12.08 min Scan# 1804

Delta R.T. 0.01 min

Lab File: VX018719.D

Acq: 01 Oct 2020 00:03

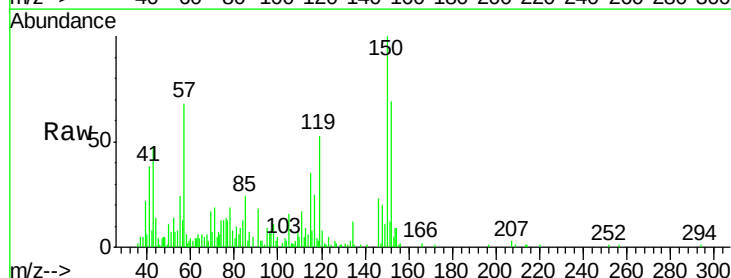
Tgt Ion:146 Resp: 2705

Ion Ratio Lower Upper

146 100

111 72.8 28.8 53.4#

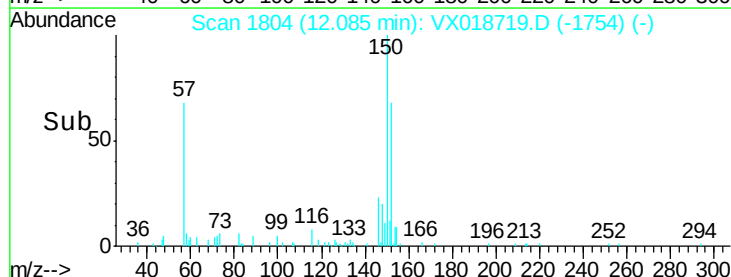
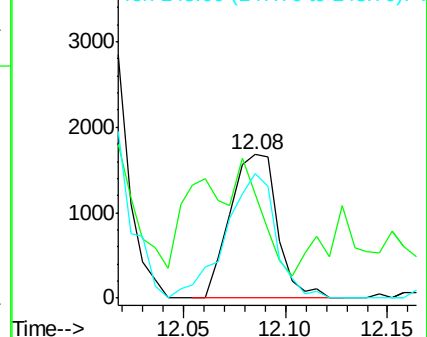
148 87.0 44.9 83.3#

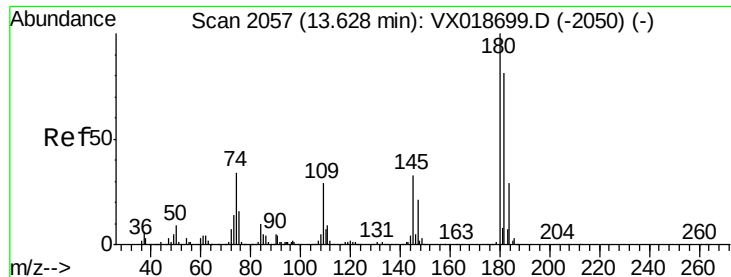


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

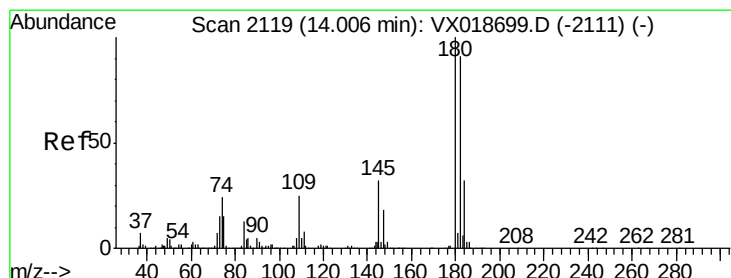
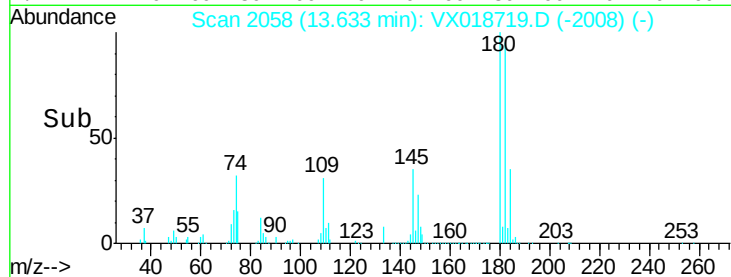
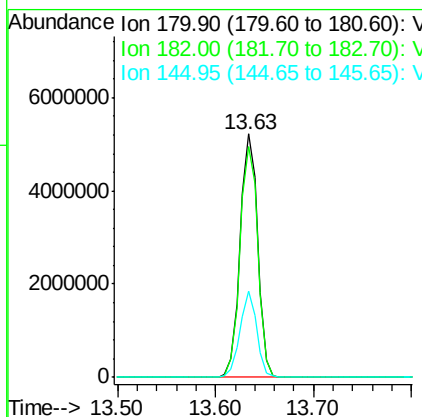
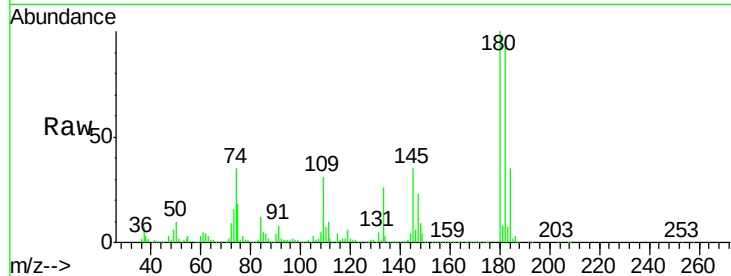




#69
 1,2,4-trichlorobenzene
 Concen: 465.343 ug/L
 RT: 13.63 min Scan# 2058
 Delta R.T. 0.01 min
 Lab File: VX018719.D
 Acq: 01 Oct 2020 00:03

Instrument :
 MSVOA_X
 ClientSampleId :
 BG3W0

Tot Ion:180 Resp: 6485947
 Ion Ratio Lower Upper
 180 100
 182 96.6 74.6 112.0
 145 33.6 25.0 37.6



#71
 1,2,3-Trichlorobenzene
 Concen: 121.939 ug/L
 RT: 14.01 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VX018719.D
 Acq: 01 Oct 2020 00:03

Tgt Ion:180 Resp: 1535897
 Ion Ratio Lower Upper
 180 100
 182 97.5 77.7 116.5
 145 35.0 28.6 42.8

