

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX100720\
 Data File : VX018821.D
 Acq On : 07 Oct 2020 19:22
 Operator : JC/SP
 Sample : L4240-11DL 4X
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OK-01-100620

Quant Time: Oct 08 02:49:11 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	147945	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	136553	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	72192	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	32108	3.71	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.20%
7) Chloroethane-d5	1.70	69	32327	4.78	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.60%
11) 1,1-Dichloroethene-d2	2.34	63	60061	3.08	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.60%
20) 2-Butanone-d5	4.55	46	143484	63.30	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	126.60%
24) Chloroform-d	5.14	84	98814	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.60%
26) 1,2-Dichloroethane-d4	6.03	65	58960	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.40%
32) Benzene-d6	6.04	84	177704	5.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.80%
36) 1,2-Dichloropropane-d6	7.37	67	55379	5.64	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	112.80%
41) Toluene-d8	8.70	98	157552	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.20%
45) trans-1,3-Dichloropropene-	8.99	79	24755	4.69	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.80%
48) 2-Hexanone-d5	9.43	63	116723	65.98	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	131.96%#
59) 1,1,2,2-Tetrachloroethane-	11.23	84	45173	5.66	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	113.20%
65) 1,2-Dichlorobenzene-d4	12.36	152	67770	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
13) Acetone	2.45	43	7899	6.383	ug/L	94
14) Carbon disulfide	2.55	76	4912	0.213	ug/L	99
21) 2-Butanone	4.67	43	11190	6.211	ug/L	93
30) Cyclohexane	5.55	56	669617	59.766	ug/L	98
35) Methylcyclohexane	7.44	83	21862	1.827	ug/L	93
42) Toluene	8.76	91	16816	0.537	ug/L	97
53) Chlorobenzene	10.12	112	1577	0.074	ug/L	89
54) Ethylbenzene	10.24	91	22702	0.647	ug/L	92
55) m,p-xylene	10.34	106	44319	3.239	ug/L	97
56) o-xylene	10.68	106	5148	0.407	ug/L	96
58) Isopropylbenzene	11.00	105	157810	4.458	ug/L	98
63) 1,3-Dichlorobenzene	12.01	146	3058	0.174	ug/L	92
64) 1,4-Dichlorobenzene	12.08	146	6996	0.400	ug/L	95
66) 1,2-Dichlorobenzene	12.37	146	1714	0.105	ug/L #	87
69) 1,2,4-trichlorobenzene	13.63	180	102003	9.097	ug/L	95
71) 1,2,3-Trichlorobenzene	14.00	180	29133	2.888	ug/L	96

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

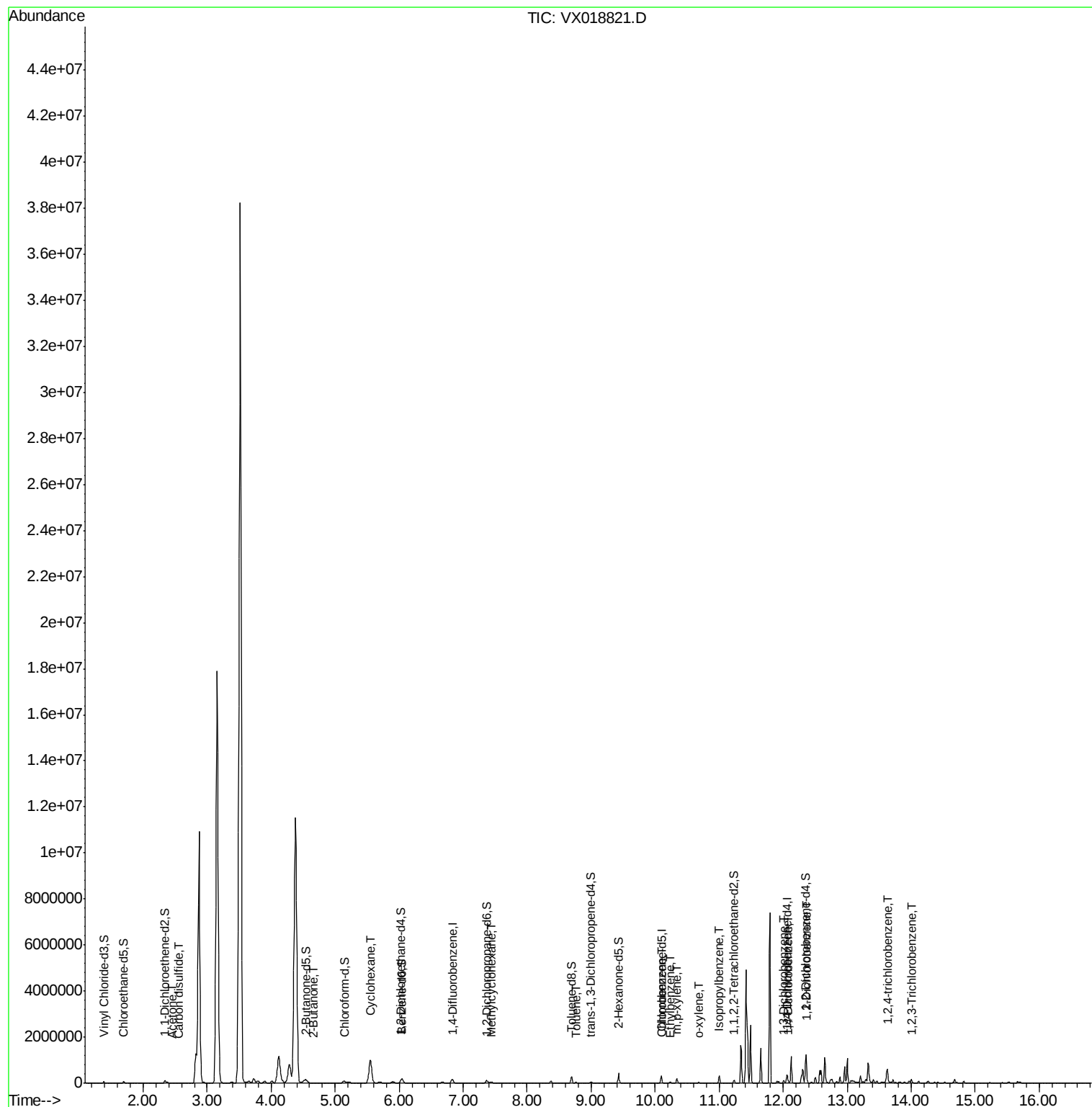
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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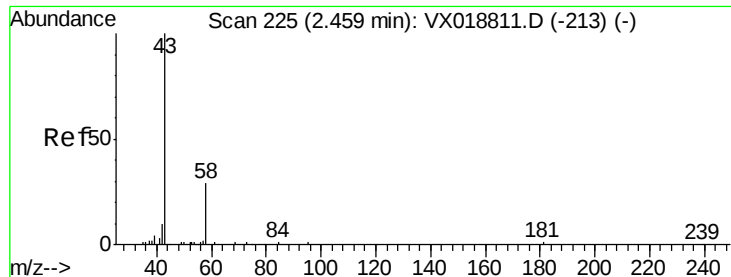
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#13

Acetone

Concen: 6.383 ug/L

RT: 2.45 min Scan# 223

Delta R.T. -0.01 min

Lab File: VX018821.D

Acq: 07 Oct 2020 19:22

Instrument :

MSVOA_X

ClientSampled :

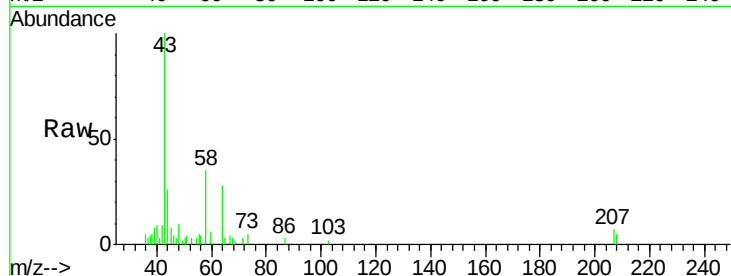
OK-01-100620

Tot Ion: 43 Resp: 7899

Ion Ratio Lower Upper

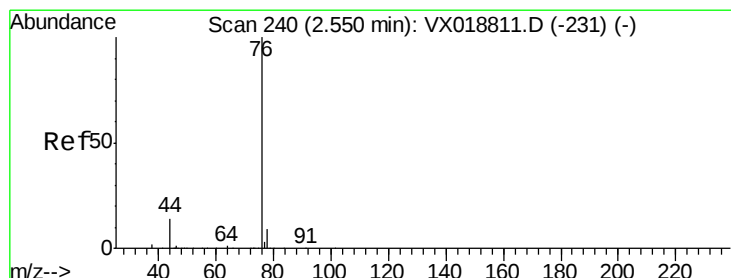
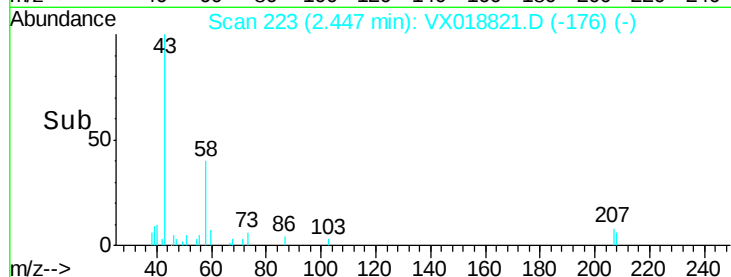
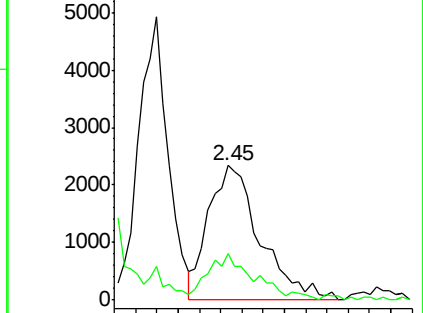
43 100

58 25.0 0.0 56.4



Abundance Ion 43.05 (42.75 to 43.75): VX0

Ion 58.05 (57.75 to 58.75): VX0



#14

Carbon disulfide

Concen: 0.213 ug/L

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX018821.D

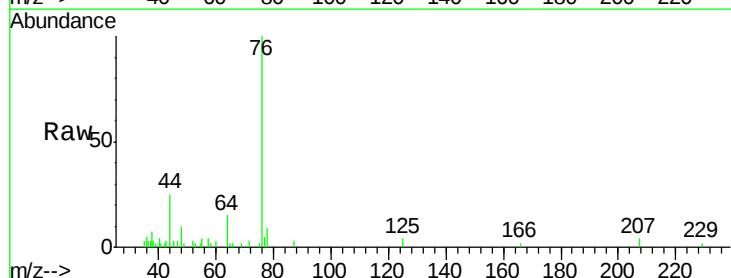
Acq: 07 Oct 2020 19:22

Tgt Ion: 76 Resp: 4912

Ion Ratio Lower Upper

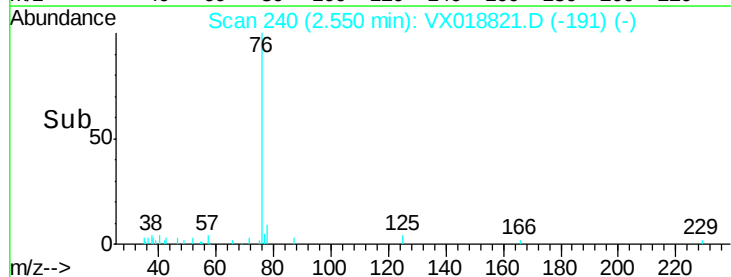
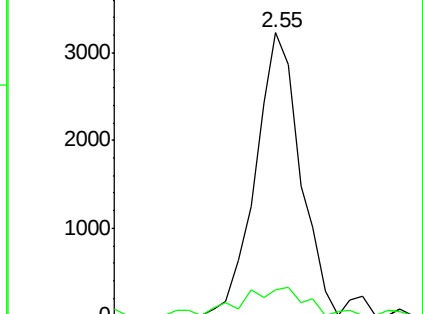
76 100

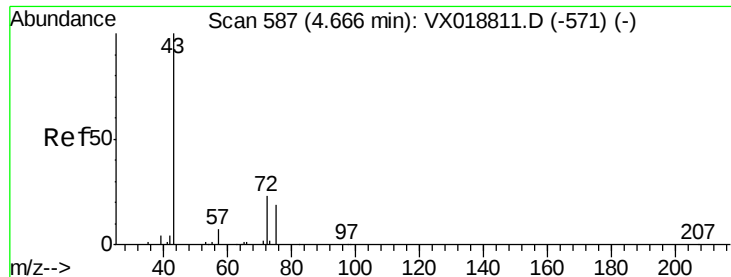
78 9.0 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VX0

Ion 78.00 (77.70 to 78.70): VX0





#21

2-Butanone

Concen: 6.211 ug/L

RT: 4.67 min Scan# 587

Delta R.T. -0.00 min

Lab File: VX018821.D

Acq: 07 Oct 2020 19:22

Instrument :

MSVOA_X

ClientSampleId :

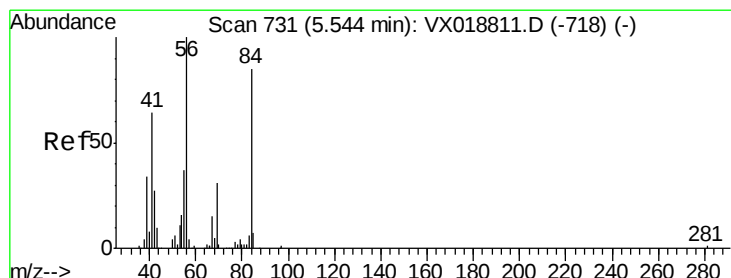
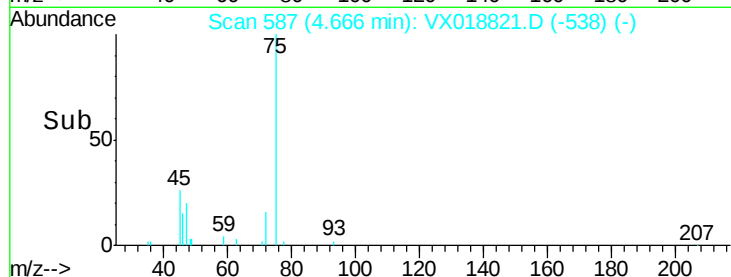
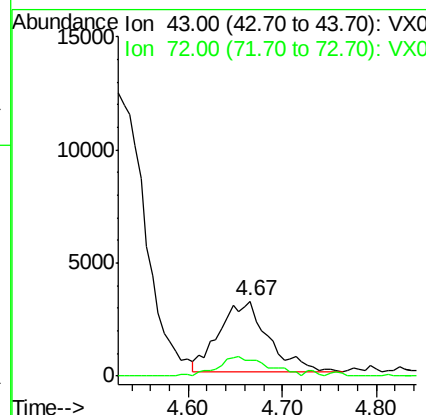
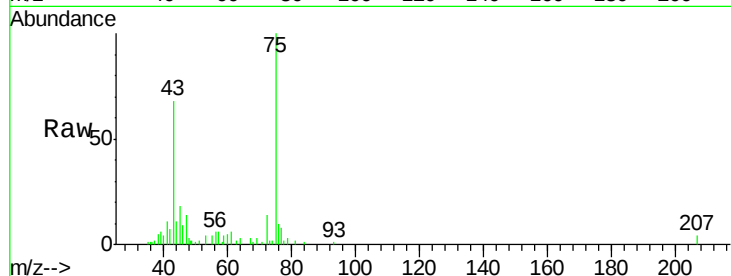
OK-01-100620

Tot Ion: 43 Resp: 11190

Ion Ratio Lower Upper

43 100

72 28.4 12.4 37.2



#30

Cyclohexane

Concen: 59.766 ug/L

RT: 5.55 min Scan# 732

Delta R.T. 0.01 min

Lab File: VX018821.D

Acq: 07 Oct 2020 19:22

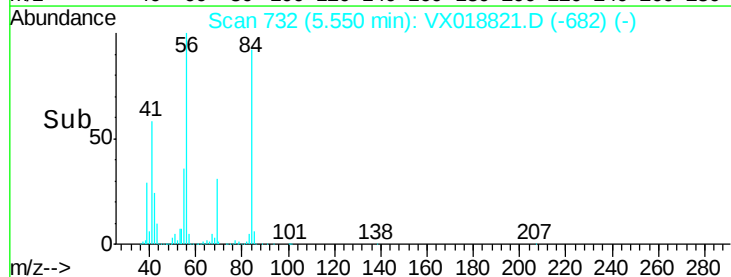
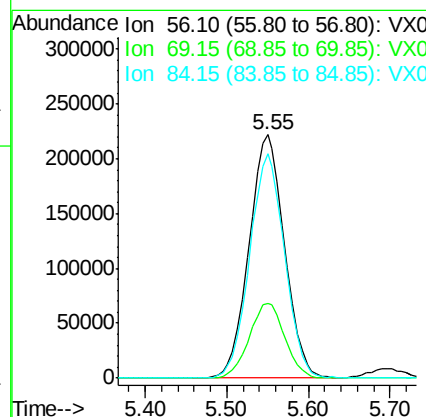
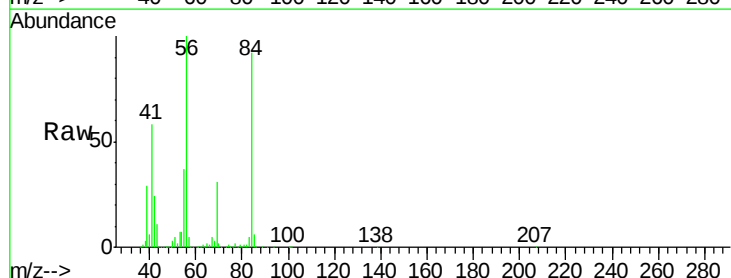
Tgt Ion: 56 Resp: 669617

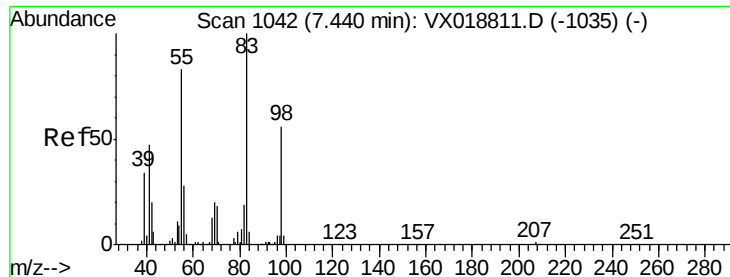
Ion Ratio Lower Upper

56 100

69 30.8 26.0 39.0

84 91.1 73.8 110.6

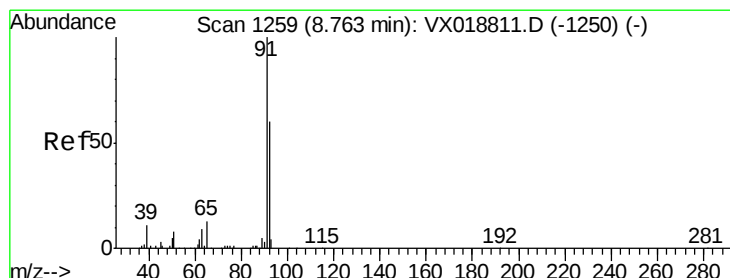
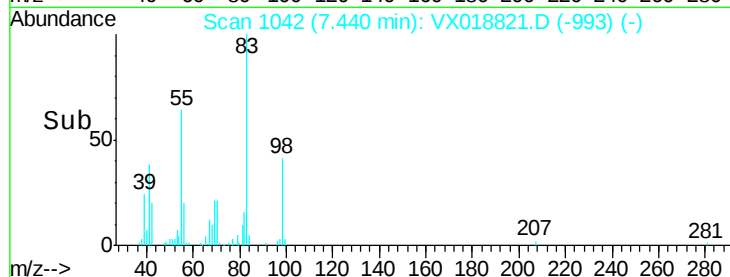
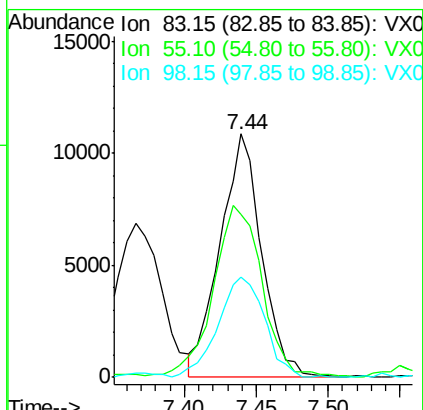
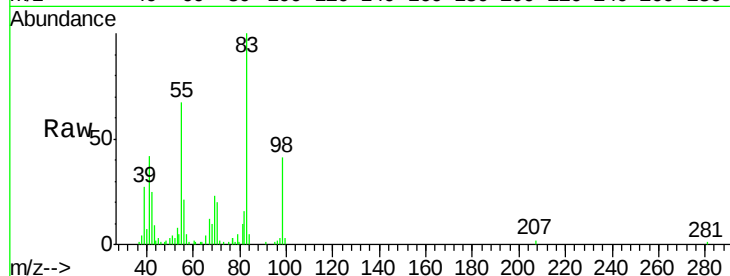




#35
Methvlcvclohexane
Concen: 1.827 ug/L
RT: 7.44 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VX018821.D
Acq: 07 Oct 2020 19:22

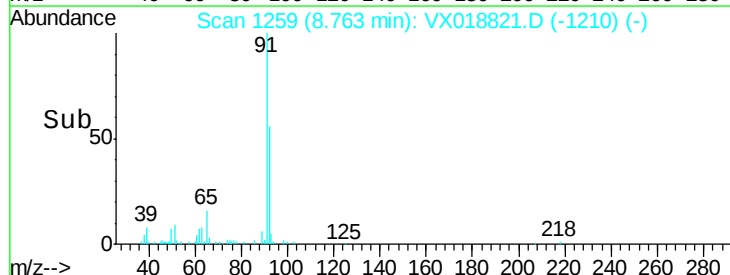
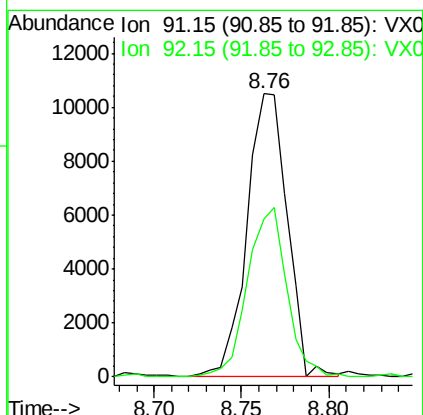
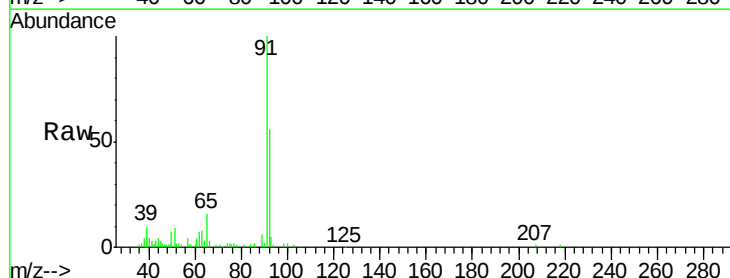
Instrument :
MSVOA_X
ClientSampleId :
OK-01-100620

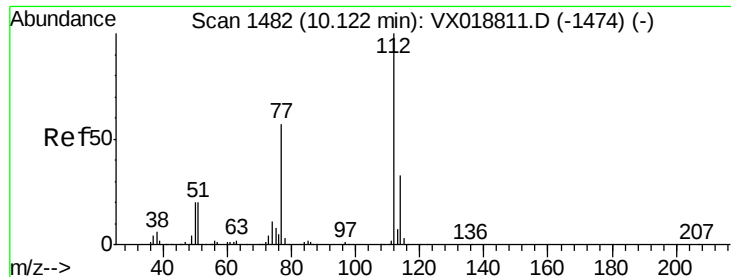
Tot Ion	83	Resp	21862
Ion Ratio	Lower	Upper	
83	100		
55	83.3	60.3	90.5
98	46.1	39.4	59.0



#42
Toluene
Concen: 0.537 ug/L
RT: 8.76 min Scan# 1259
Delta R.T. -0.00 min
Lab File: VX018821.D
Acq: 07 Oct 2020 19:22

Tgt Ion	91	Resp	16816
Ion Ratio	Lower	Upper	
91	100		
92	55.7	40.3	74.9





#53

Chlorobenzene

Concen: 0.074 ug/L

RT: 10.12 min Scan# 1481

Delta R.T. -0.01 min

Lab File: VX018821.D

Acq: 07 Oct 2020 19:22

Instrument :

MSVOA_X

ClientSampled :

OK-01-100620

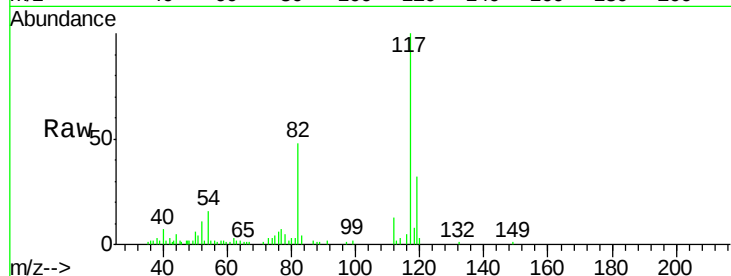
Tot Ion: 112 Resp: 1577

Ion Ratio Lower Upper

112 100

114 21.9 21.3 39.5

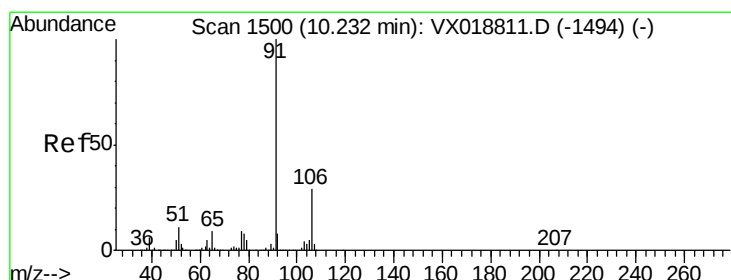
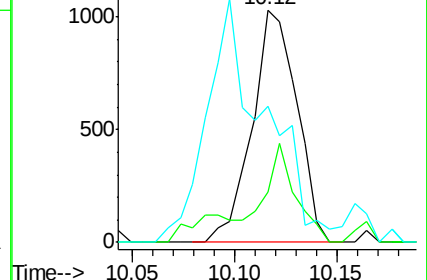
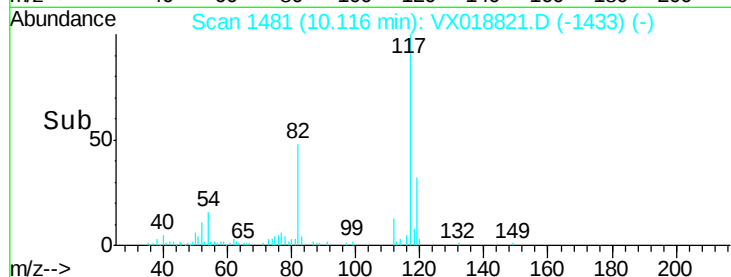
77 58.8 42.4 63.6



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): V



#54

Ethylbenzene

Concen: 0.647 ug/L

RT: 10.24 min Scan# 1501

Delta R.T. 0.01 min

Lab File: VX018821.D

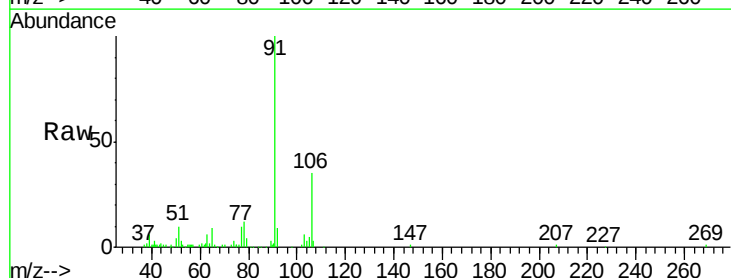
Acq: 07 Oct 2020 19:22

Tgt Ion: 91 Resp: 22702

Ion Ratio Lower Upper

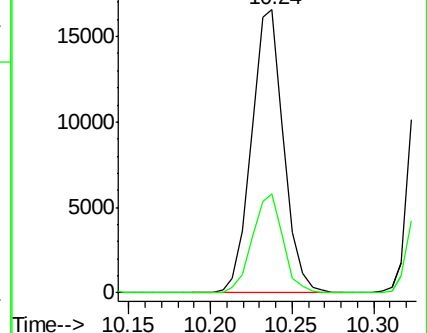
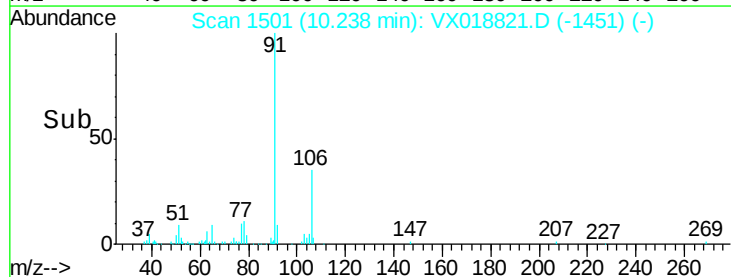
91 100

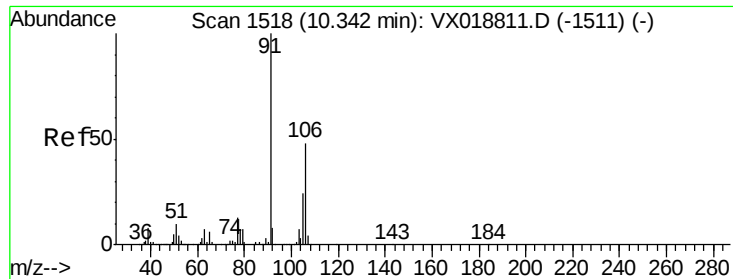
106 35.1 21.5 39.9



Abundance Ion 91.15 (90.85 to 91.85): VX0

Ion 106.15 (105.85 to 106.85): V





#55

m,p-xylene

Concen: 3.239 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX018821.D

Acq: 07 Oct 2020 19:22

Instrument :

MSVOA_X

ClientSampleId :

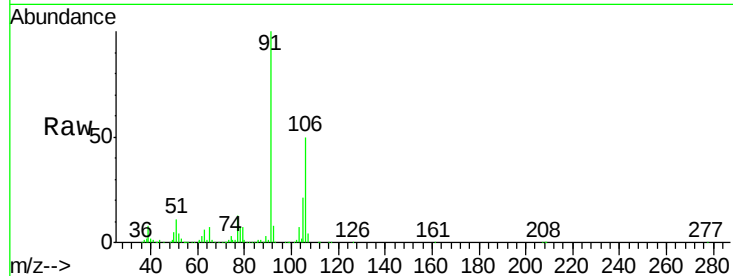
OK-01-100620

Tot Ion:106 Resp: 44319

Ion Ratio Lower Upper

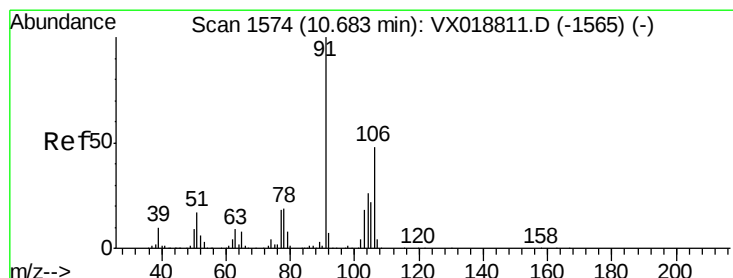
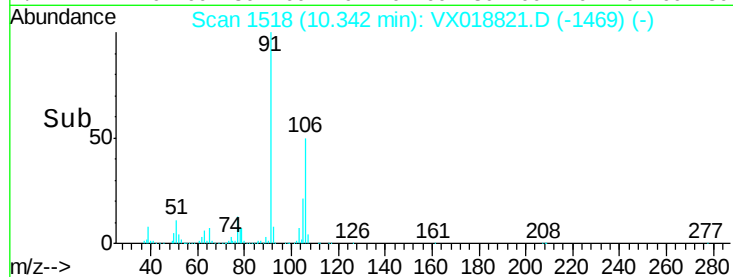
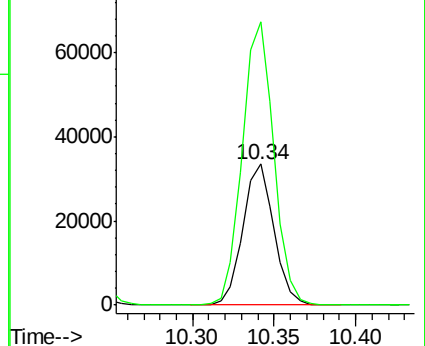
106 100

91 200.5 143.4 266.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0



#56

o-xylene

Concen: 0.407 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VX018821.D

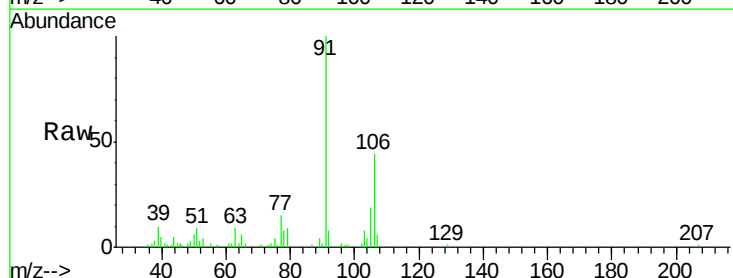
Acq: 07 Oct 2020 19:22

Tgt Ion:106 Resp: 5148

Ion Ratio Lower Upper

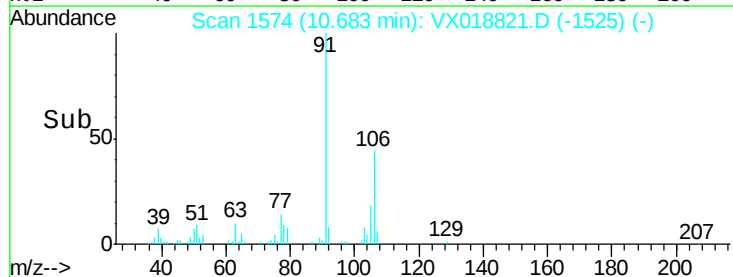
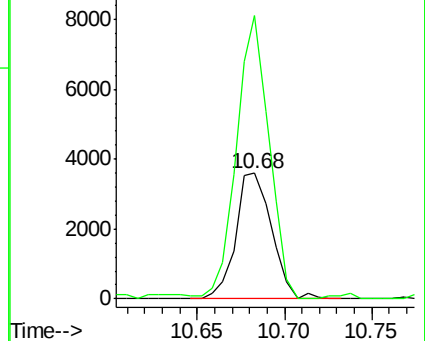
106 100

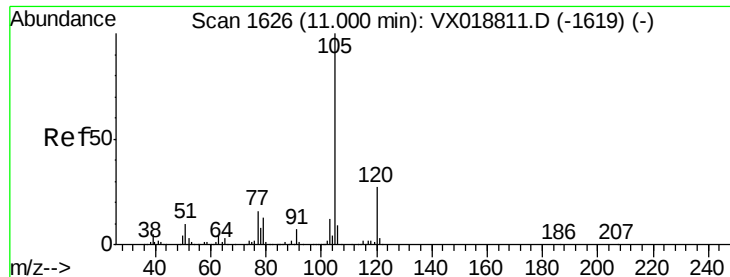
91 224.9 153.4 284.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0





#58

Isopropylbenzene

Concen: 4.458 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX018821.D

Acq: 07 Oct 2020 19:22

Instrument :

MSVOA_X

ClientSampleId :

OK-01-100620

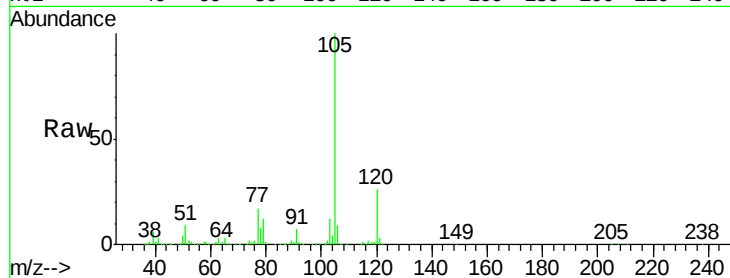
Tot Ion:105 Resp: 157810

Ion Ratio Lower Upper

105 100

120 26.4 20.2 30.2

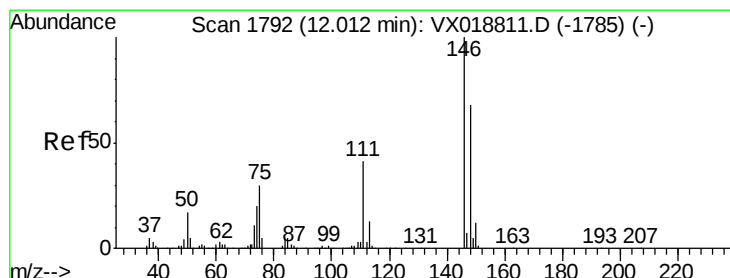
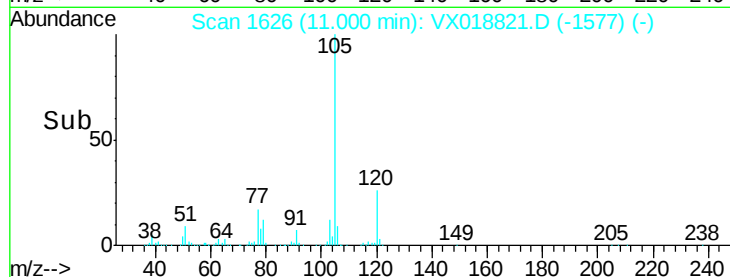
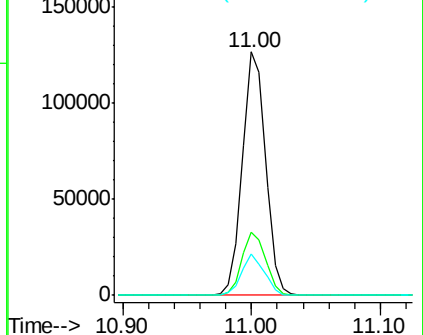
77 16.4 13.3 19.9



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



#63

1,3-Dichlorobenzene

Concen: 0.174 ug/L

RT: 12.01 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX018821.D

Acq: 07 Oct 2020 19:22

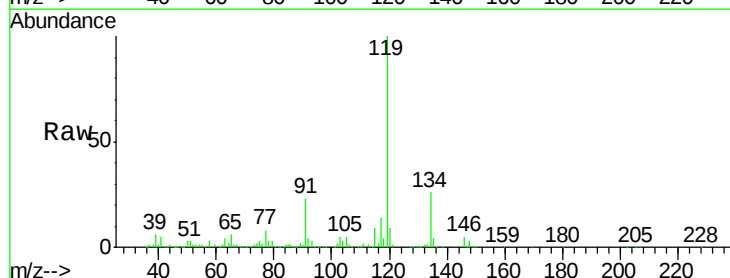
Tgt Ion:146 Resp: 3058

Ion Ratio Lower Upper

146 100

111 39.9 28.4 52.8

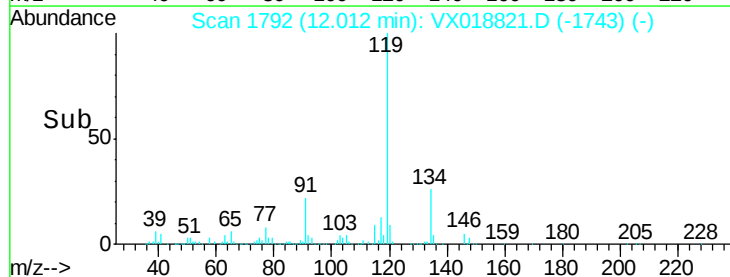
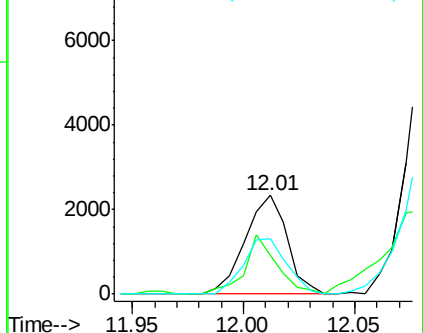
148 56.4 45.9 85.3

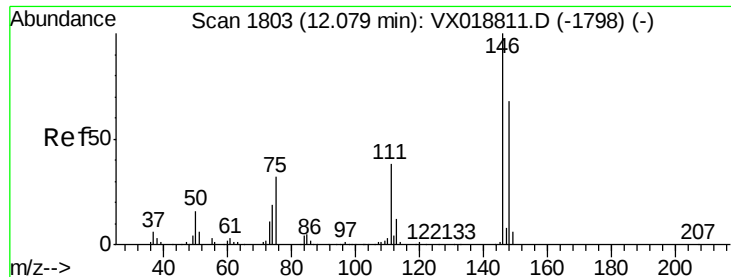


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#64

1,4-Dichlorobenzene

Concen: 0.400 ug/L

RT: 12.08 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VX018821.D

Acq: 07 Oct 2020 19:22

Instrument :

MSVOA_X

ClientSampleId :

OK-01-100620

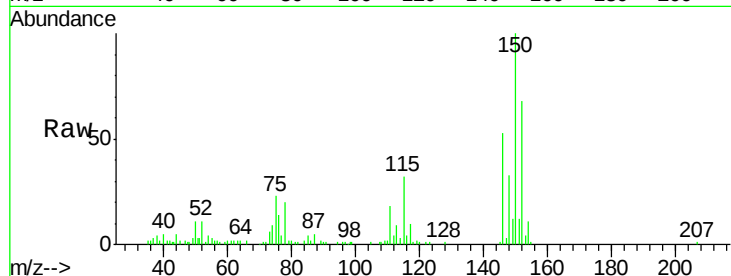
Tot Ion:146 Resp: 6996

Ion Ratio Lower Upper

146 100

111 34.8 28.6 53.2

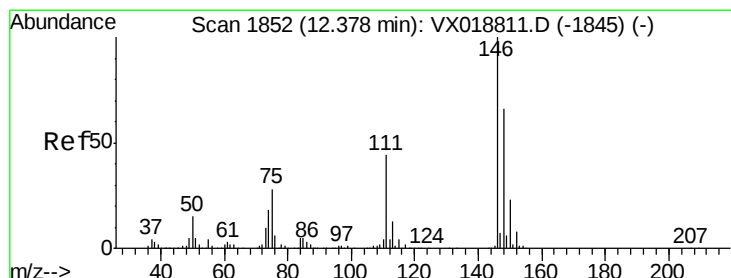
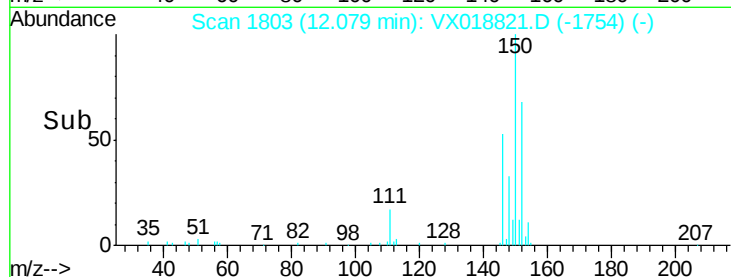
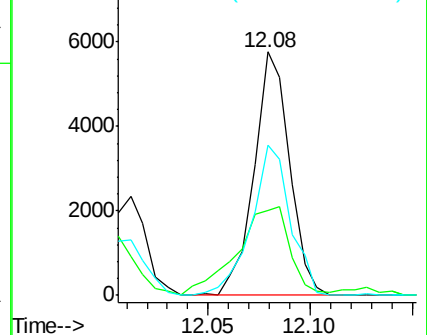
148 61.9 44.2 82.0



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



#66

1,2-Dichlorobenzene

Concen: 0.105 ug/L

RT: 12.37 min Scan# 1851

Delta R.T. -0.01 min

Lab File: VX018821.D

Acq: 07 Oct 2020 19:22

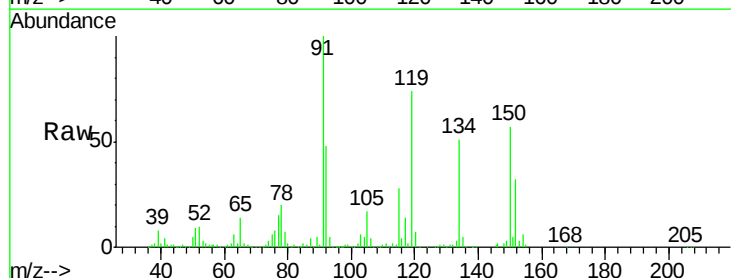
Tgt Ion:146 Resp: 1714

Ion Ratio Lower Upper

146 100

111 54.3 31.7 47.5#

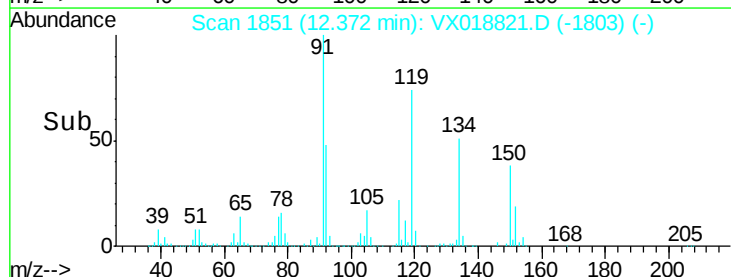
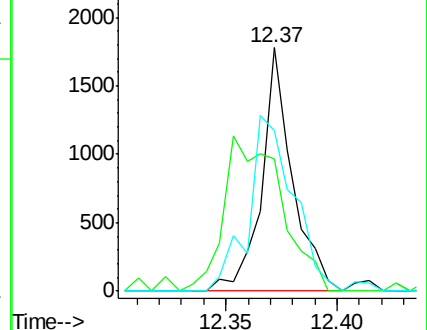
148 65.8 49.0 73.6

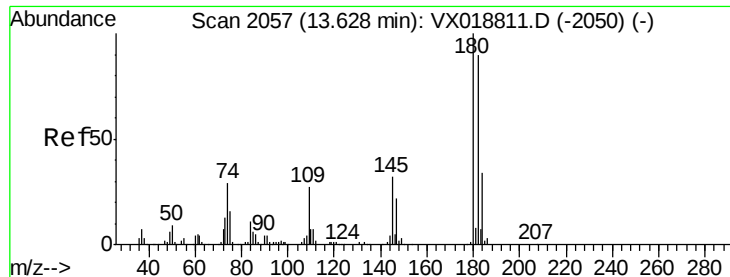


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

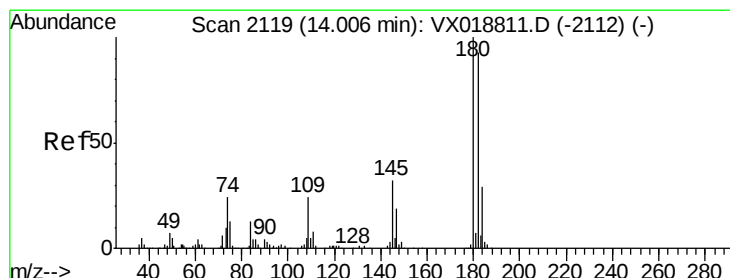
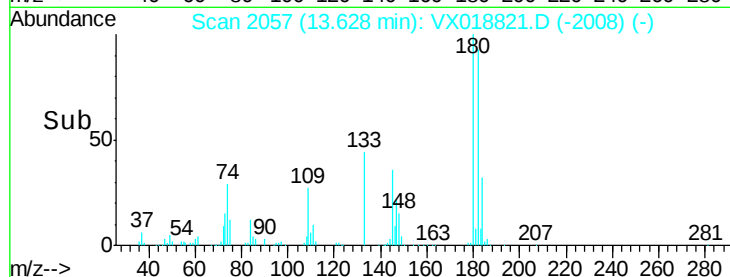
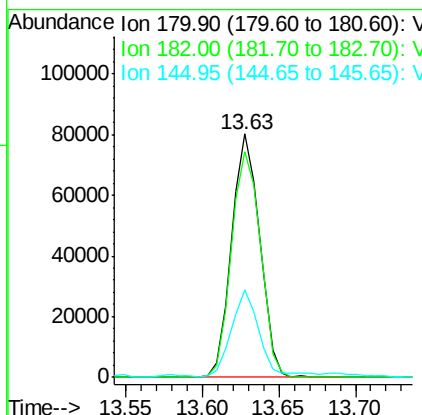
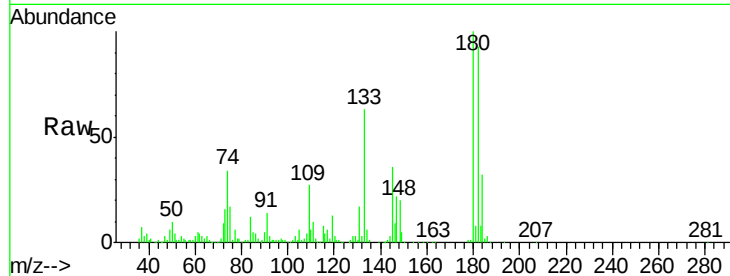




#69
 1,2,4-trichlorobenzene
 Concen: 9.097 ug/L
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX018821.D
 Acq: 07 Oct 2020 19:22

Instrument :
 MSVOA_X
 ClientSampleId :
 OK-01-100620

Tot Ion:180 Resp: 102003
 Ion Ratio Lower Upper
 180 100
 182 95.8 80.2 120.4
 145 35.4 25.2 37.8



#71
 1,2,3-Trichlorobenzene
 Concen: 2.888 ug/L
 RT: 14.00 min Scan# 2118
 Delta R.T. -0.01 min
 Lab File: VX018821.D
 Acq: 07 Oct 2020 19:22

Tgt Ion:180 Resp: 29133
 Ion Ratio Lower Upper
 180 100
 182 97.0 73.6 110.4
 145 34.5 26.6 40.0

