

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VOX092820\
 Data File : VX018637.D
 Acq On : 29 Sep 2020 00:09
 Operator : JC/SP
 Sample : L4135-17
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BG495

Manual Integrations
 APPROVED

MMDadoda
 9/29/2020 9:43:47 AM

Quant Time: Sep 29 06:01:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR092820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Sep 29 02:30:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	312173	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	302988	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	161754	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	75485	4.62	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.40%
7) Chloroethane-d5	1.70	69	68466	4.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.40%
11) 1,1-Dichloroethene-d2	2.34	63	134102	3.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.40%
20) 2-Butanone-d5	4.56	46	197178	47.34	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.68%
24) Chloroform-d	5.14	84	169202	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.40%
26) 1,2-Dichloroethane-d4	6.06	65	92946	4.12	ug/L	0.03
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.40%
32) Benzene-d6	6.06	84	313352	4.48	ug/L	0.02
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.60%
36) 1,2-Dichloropropane-d6	7.37	67	97854	4.59	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.80%
41) Toluene-d8	8.71	98	317225	4.56	ug/L	0.01
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.20%
45) trans-1,3-Dichloropropene-	9.00	79	40070	4.23	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.60%
48) 2-Hexanone-d5	9.43	63	177513	52.30	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.60%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	76780	4.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.80%
65) 1,2-Dichlorobenzene-d4	12.36	152	126449	4.78	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.18	85	3249m	0.172	ug/L	
3) Chloromethane	1.31	50	2556	0.158	ug/L #	81
5) Vinyl chloride	1.39	62	993379	58.771	ug/L	97
8) Chloroethane	1.72	64	935303	100.625	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.37	101	20746	1.291	ug/L	98
12) 1,1-Dichloroethene	2.36	96	19097	1.253	ug/L #	4
13) Acetone	2.46	43	653217	283.320	ug/L	99
14) Carbon disulfide	2.61	76	598680	12.920	ug/L	97
16) Methylene chloride	2.84	84	16124	0.774	ug/L	86
18) trans-1,2-Dichloroethene	3.14	96	10895	0.715	ug/L	95
19) 1,1-Dichloroethane	3.67	63	555637	20.338	ug/L	99
21) 2-Butanone	4.66	43	219024	59.850	ug/L #	65
22) cis-1,2-Dichloroethene	4.56	96	7609547	478.728	ug/L #	92
29) 1,1,1-Trichloroethane	5.46	97	30776	1.066	ug/L	95
30) Cyclohexane	5.56	56	199459	8.688	ug/L	94
33) Benzene	6.10	78	47463279m	812.486	ug/L	
34) Trichloroethene	7.19	95	5473	0.324	ug/L #	87

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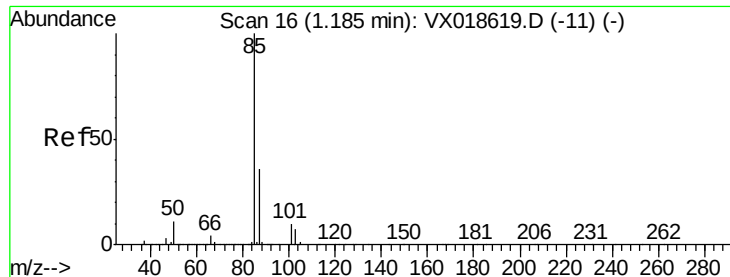
Manual Integrations
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR092820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Sep 29 02:30:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
35) Methylcyclohexane	7.44	83	204645	8.704	ug/L	94
40) 4-Methyl-2-pentanone	8.65	43	363547	42.080	ug/L	98
42) Toluene	8.76	91	43721369m	692.897	ug/L	
49) Tetrachloroethene	9.32	164	2417	0.182	ug/L	90
53) Chlorobenzene	10.12	112	7372962	176.881	ug/L	94
54) Ethylbenzene	10.23	91	18583791m	270.377	ug/L	
55) m,p-xylene	10.35	106	17589676	669.299	ug/L #	34
56) o-xylene	10.69	106	7382722	297.298	ug/L #	47
58) Isopropylbenzene	11.01	105	5216721	78.350	ug/L	99
63) 1,3-Dichlorobenzene	12.01	146	90407	2.571	ug/L	95
64) 1,4-Dichlorobenzene	12.09	146	744848	20.970	ug/L	97
66) 1,2-Dichlorobenzene	12.38	146	1031161	31.476	ug/L	96

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



#2

Dichlorodifluoromethane

Concen: 0.172 ug/L m

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX018637.D

Acq: 29 Sep 2020 00:09

Instrument :

MSVOA_X

ClientSampleId :

BG495

Tot Ion: 85 Resp: 3249

Ion Ratio Lower Upper

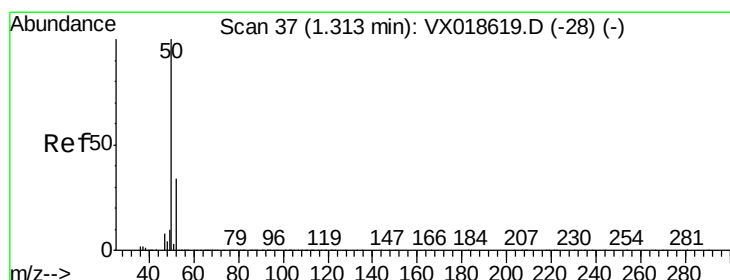
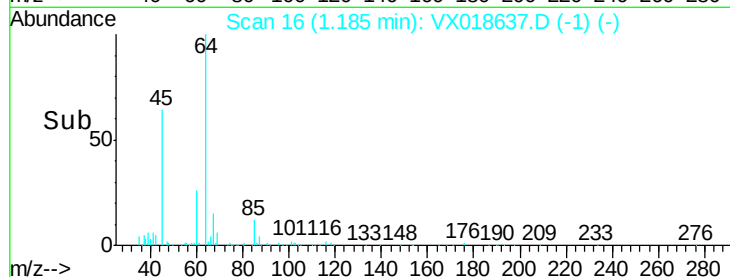
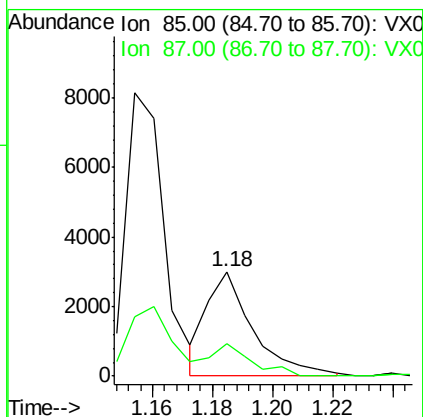
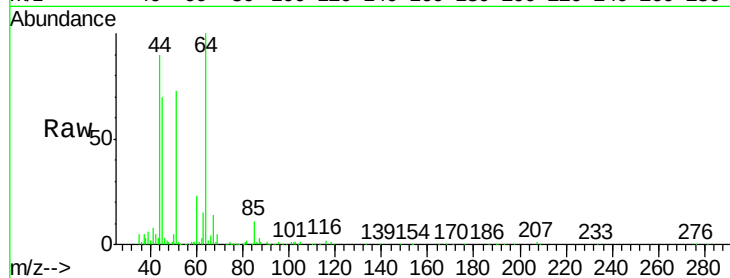
85 100

87 67.2 26.1 39.1#

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#3

Chloromethane

Concen: 0.158 ug/L

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX018637.D

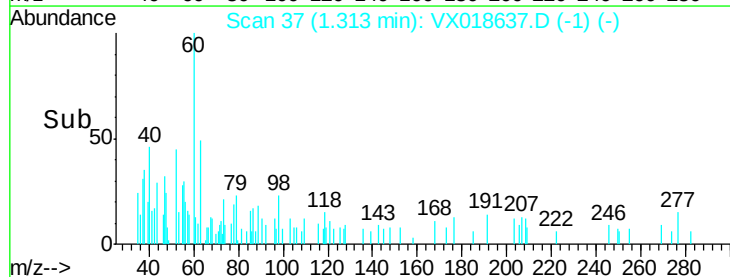
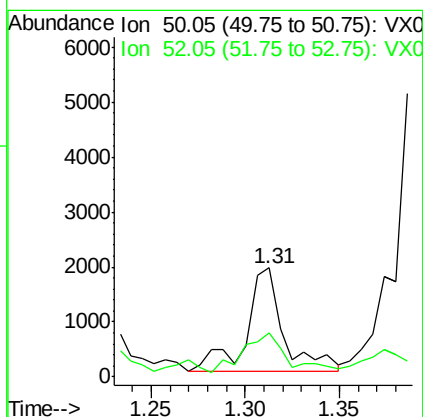
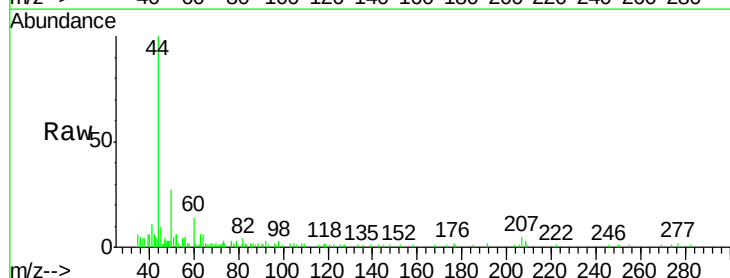
Acq: 29 Sep 2020 00:09

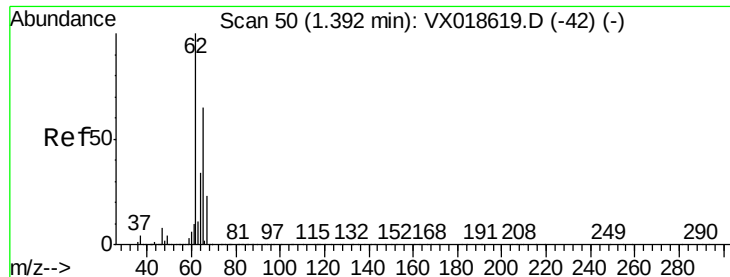
Tgt Ion: 50 Resp: 2556

Ion Ratio Lower Upper

50 100

52 40.8 21.2 39.4#





#5

Vinyl chloride

Concen: 58.771 ug/L

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX018637.D

Acq: 29 Sep 2020 00:09

Instrument :

MSVOA_X

ClientSampleId :

BG495

Tot Ion: 62 Resp: 993379

Ion Ratio Lower Upper

62 100

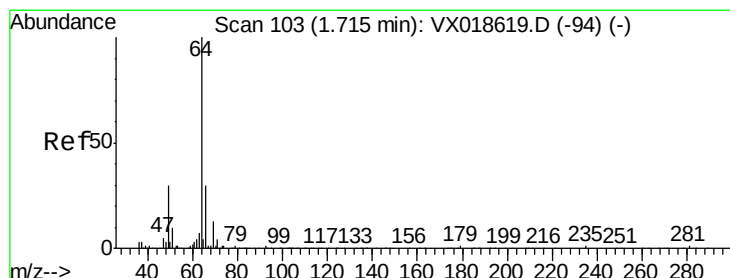
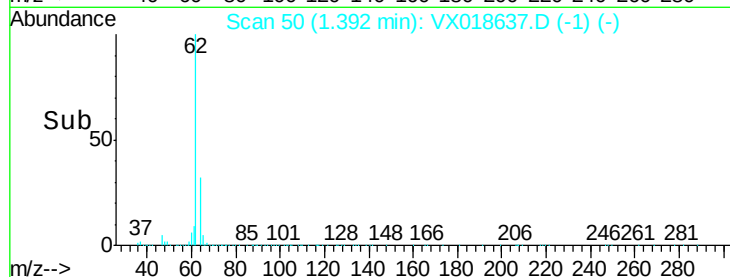
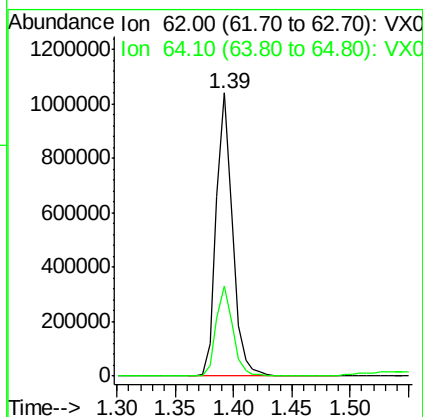
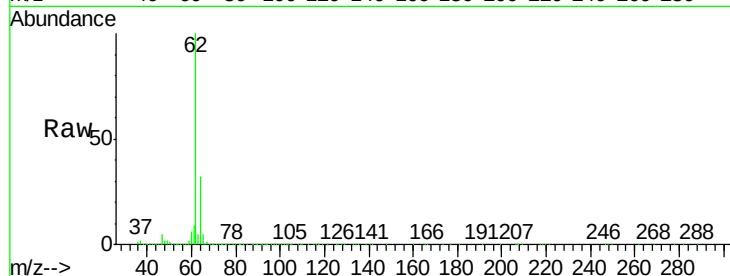
64 31.9 23.6 43.8

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#8

Chloroethane

Concen: 100.625 ug/L

RT: 1.72 min Scan# 103

Delta R.T. -0.00 min

Lab File: VX018637.D

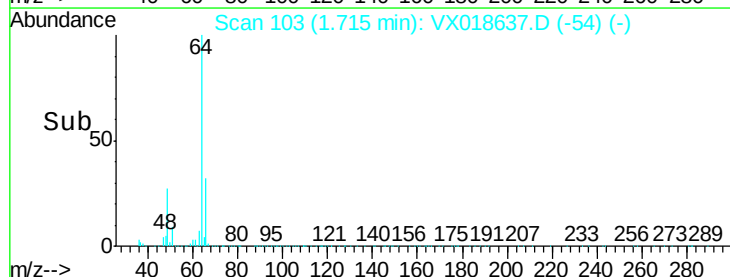
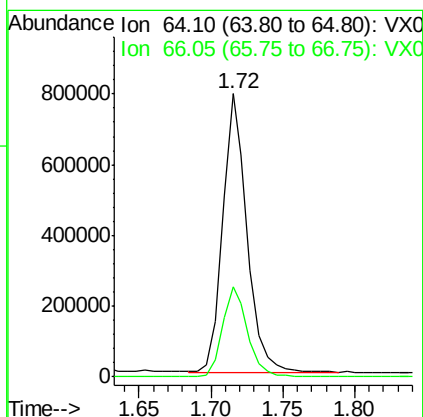
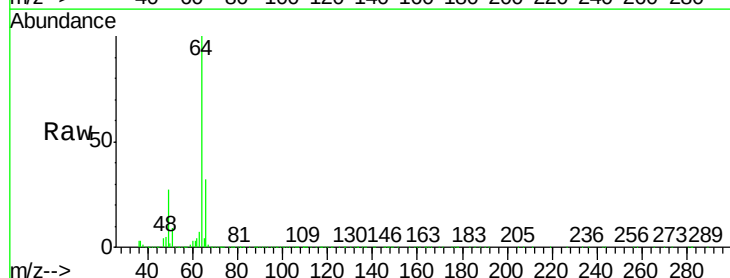
Acq: 29 Sep 2020 00:09

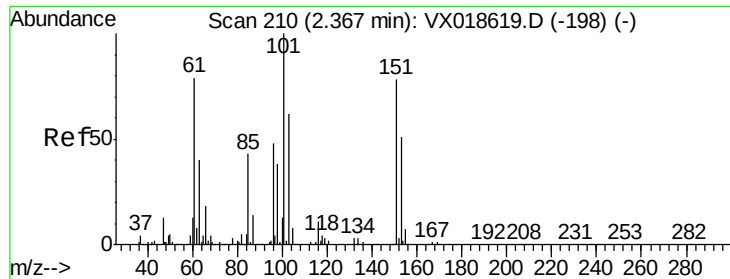
Tgt Ion: 64 Resp: 935303

Ion Ratio Lower Upper

64 100

66 31.9 22.3 41.3





#10

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

Concen: 1.291 ug/L

RT: 2.37 min Scan# 210

Delta R.T. -0.00 min

Lab File: VX018637.D

Acq: 29 Sep 2020 00:09

Instrument :

MSVOA_X

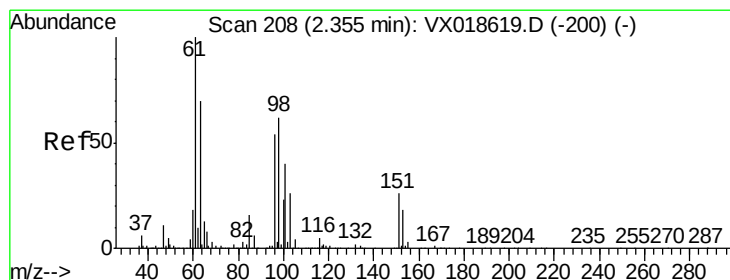
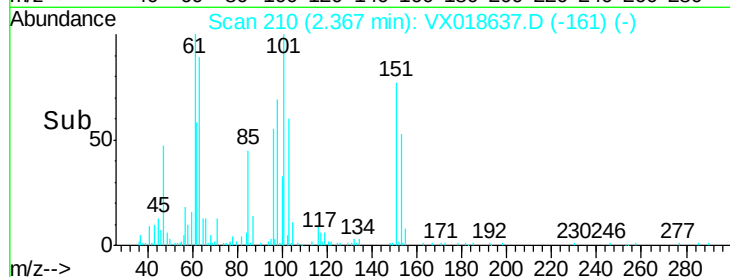
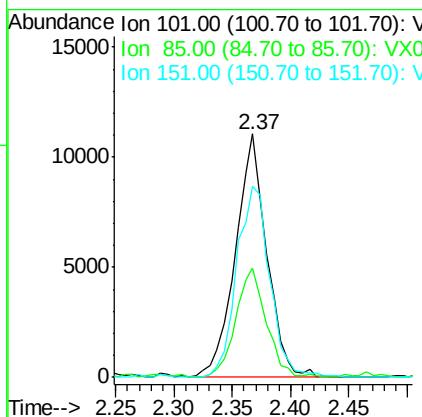
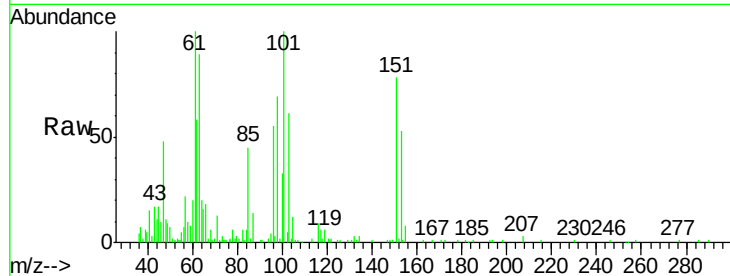
ClientSampled :

BG495

Tot Ion:	101	Resp:	20746
Ion Ratio	Lower	Upper	
101	100		
85	43.4	36.1	54.1
151	83.1	65.5	98.3

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#12

1,1-Dichloroethene

Concen: 1.253 ug/L

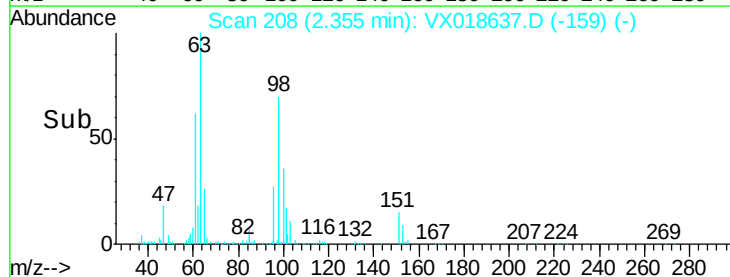
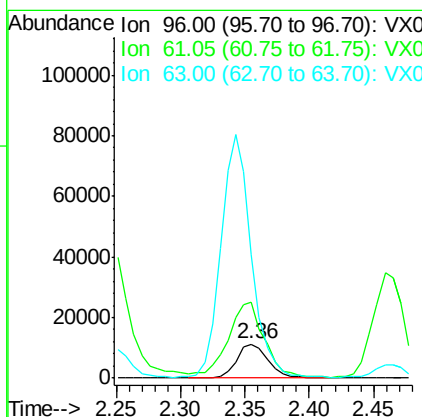
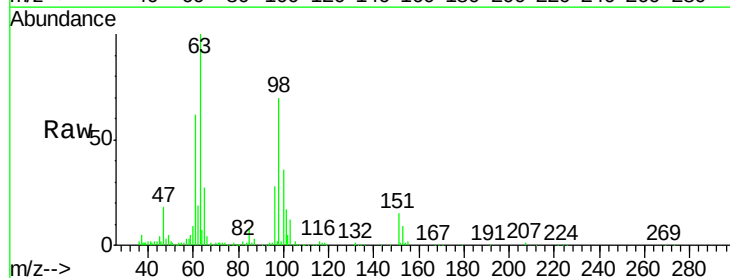
RT: 2.36 min Scan# 208

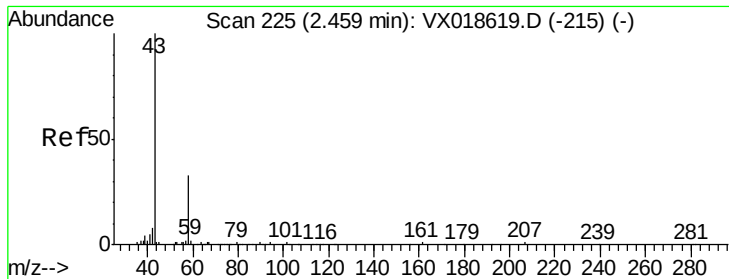
Delta R.T. -0.00 min

Lab File: VX018637.D

Acq: 29 Sep 2020 00:09

Tgt Ion:	96	Resp:	19097
Ion Ratio	Lower	Upper	
96	100		
61	224.6	123.8	229.8
63	363.1	104.7	194.4#





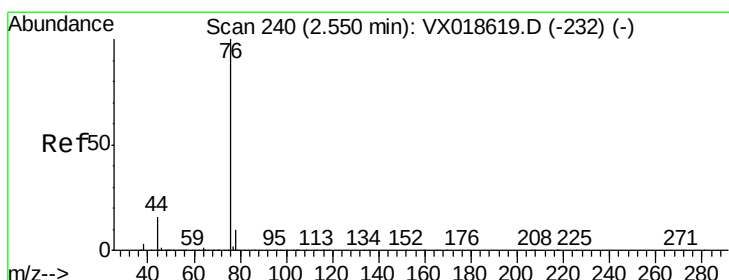
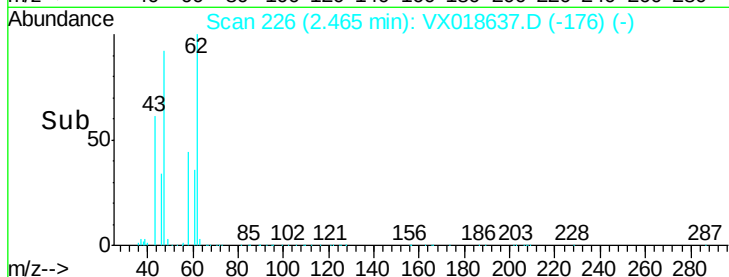
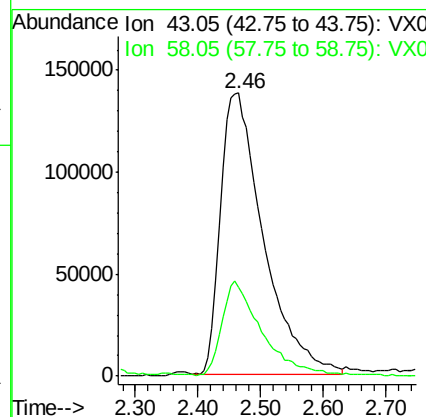
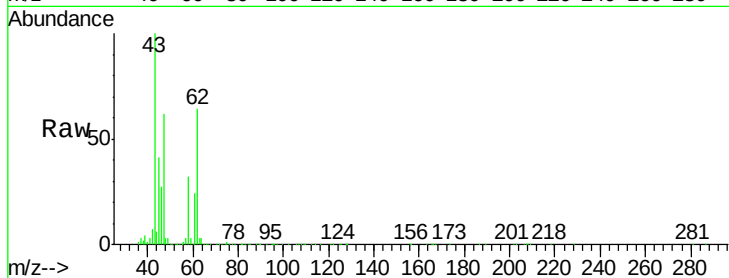
#13
Acetone
Concen: 283.320 ug/L
RT: 2.46 min Scan# 226
Delta R.T. 0.01 min
Lab File: VX018637.D
Acq: 29 Sep 2020 00:09

Instrument :
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ClientSampleId :
BG495

Tot Ion	Ratio	Lower	Upper
43	100		
58	30.2	0.0	61.6

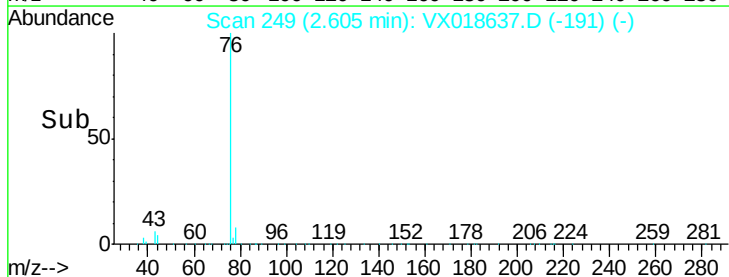
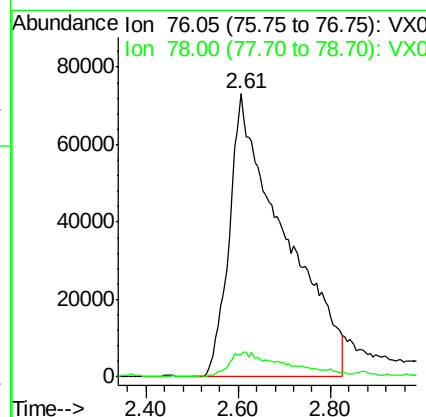
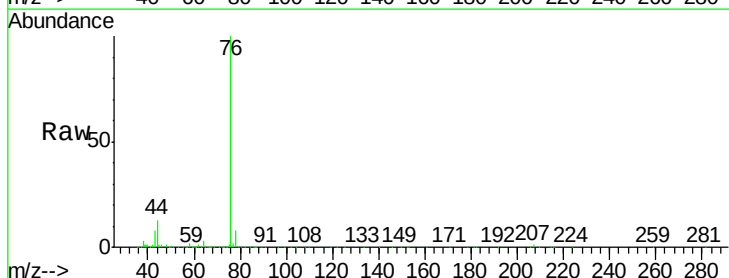
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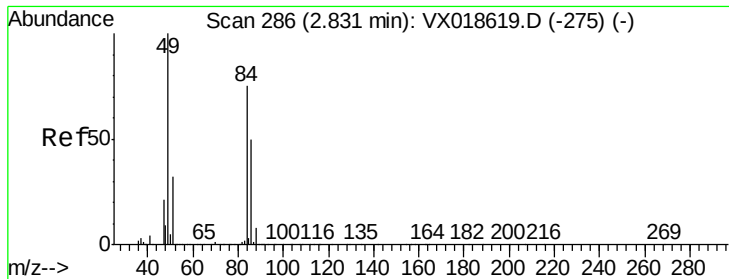
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#14
Carbon disulfide
Concen: 12.920 ug/L
RT: 2.61 min Scan# 249
Delta R.T. 0.05 min
Lab File: VX018637.D
Acq: 29 Sep 2020 00:09

Tgt Ion	Ratio	Lower	Upper
76	100		
78	8.0	7.4	11.0





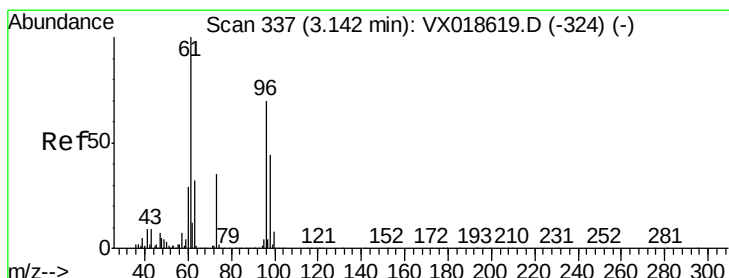
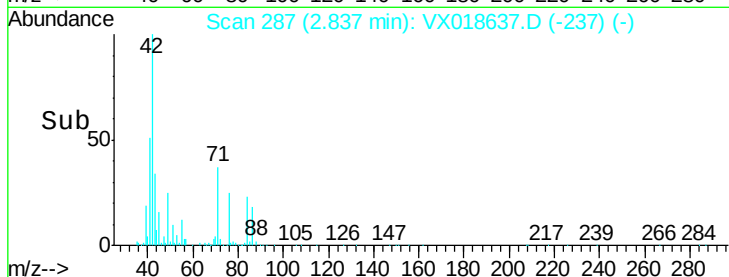
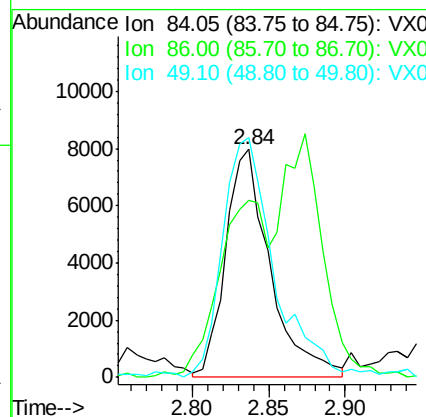
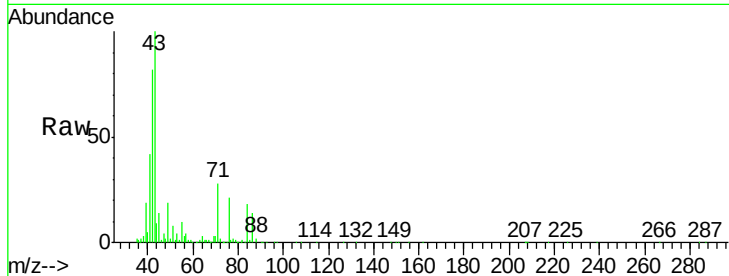
#16
Methylene chloride
Concen: 0.774 ug/L
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018637.D
Acq: 29 Sep 2020 00:09

Instrument :
MSVOA_X
ClientSampled :
BG495

Tot Ion	Ratio	Lower	Upper
84	100		
86	77.6	41.9	77.7
49	105.4	80.8	150.2

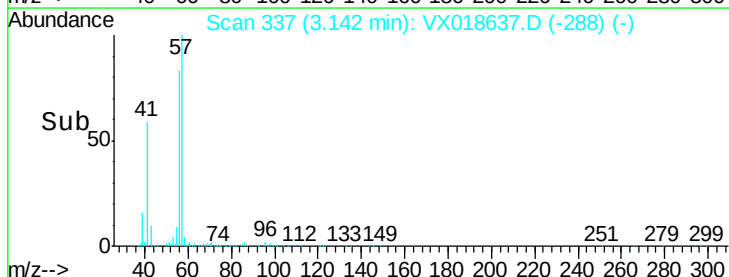
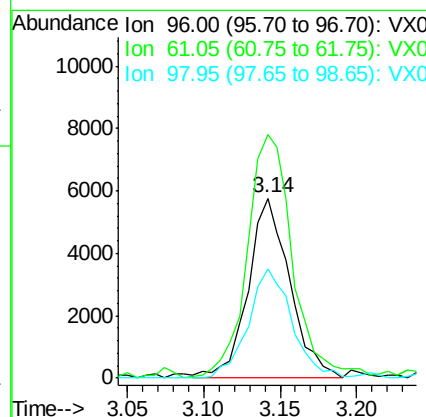
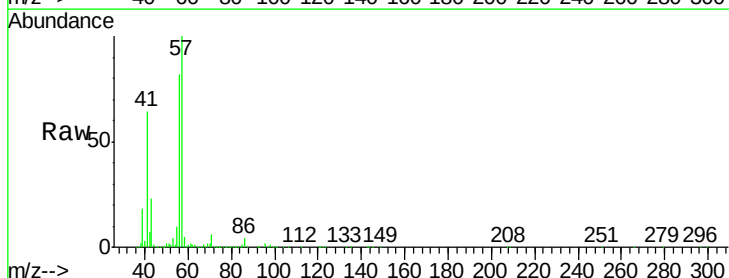
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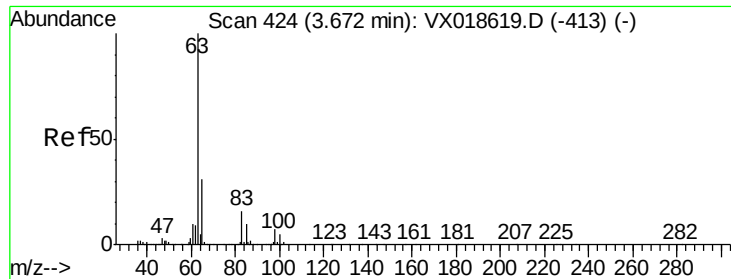
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#18
trans-1,2-Dichloroethene
Concen: 0.715 ug/L
RT: 3.14 min Scan# 337
Delta R.T. -0.00 min
Lab File: VX018637.D
Acq: 29 Sep 2020 00:09

Tgt Ion	Ratio	Lower	Upper
96	100		
61	135.3	97.3	180.7
98	60.6	46.6	86.6





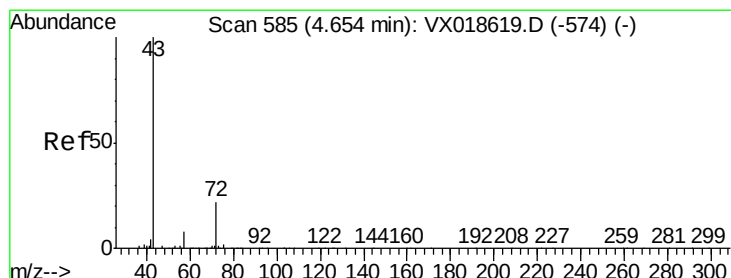
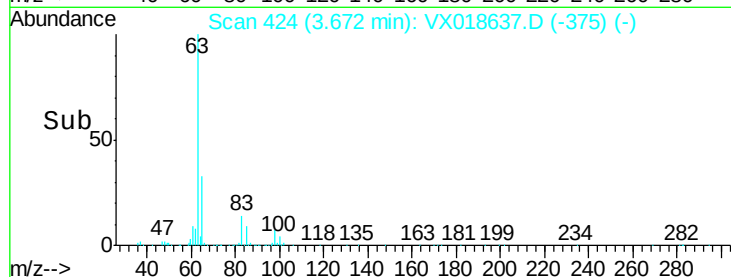
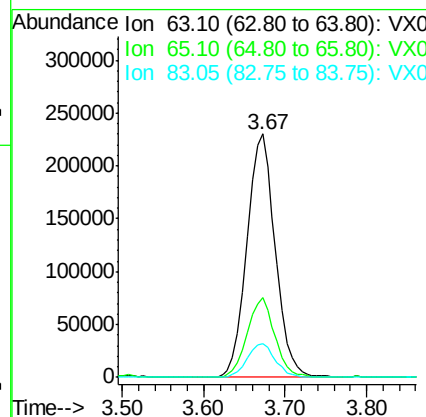
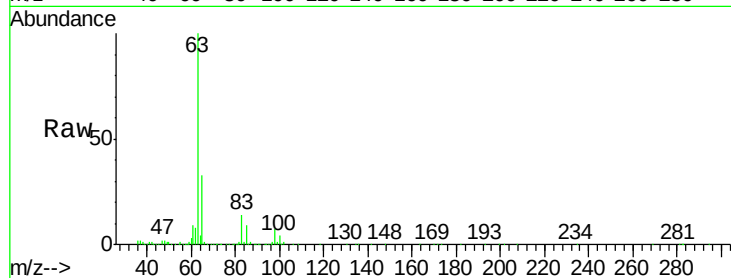
#19
 1,1-Dichloroethane
 Concen: 20.338 ug/L
 RT: 3.67 min Scan# 424
 Delta R.T. -0.00 min
 Lab File: VX018637.D
 Acq: 29 Sep 2020 00:09

Instrument :
 MSVOA_X
 ClientSampleId :
 BG495

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.6	22.7	42.1
83	14.0	9.3	17.3

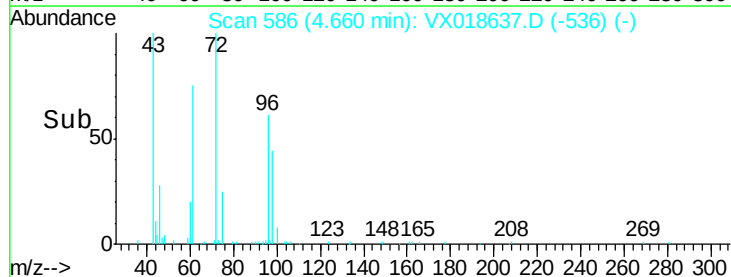
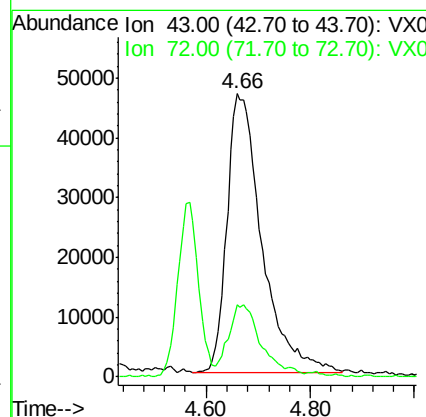
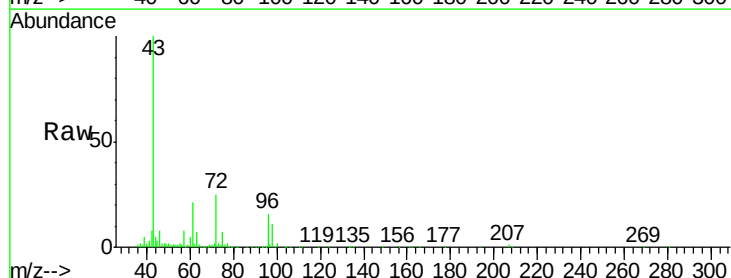
Manual Integrations
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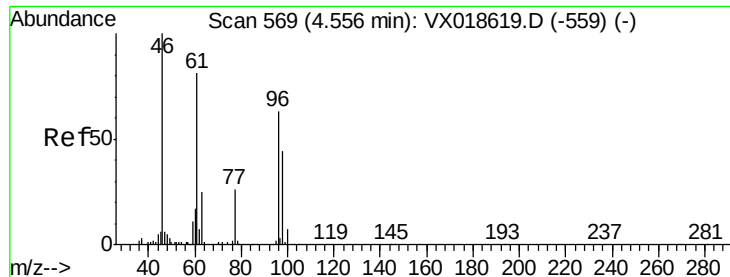
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 9/29/2020 9:43:47 AM



#21
 2-Butanone
 Concen: 59.850 ug/L
 RT: 4.66 min Scan# 586
 Delta R.T. 0.01 min
 Lab File: VX018637.D
 Acq: 29 Sep 2020 00:09

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.5	5.2	15.6#





#22

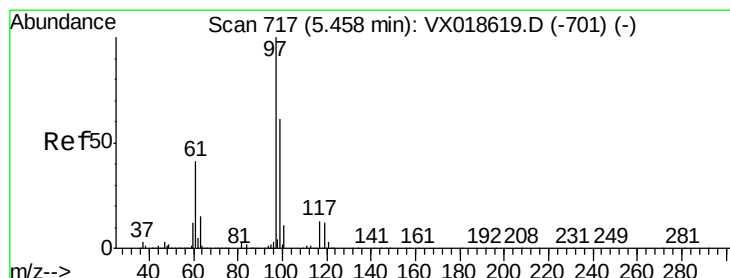
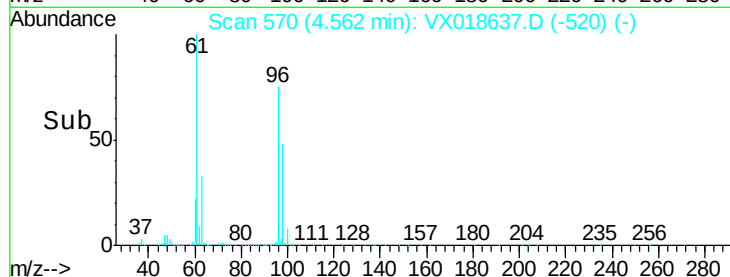
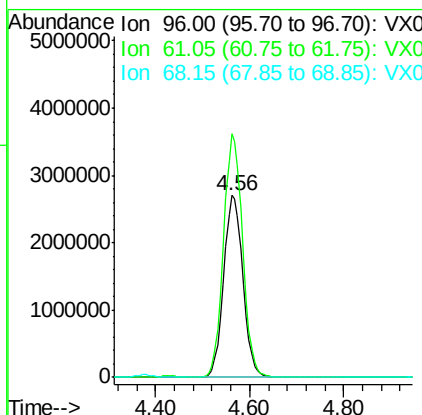
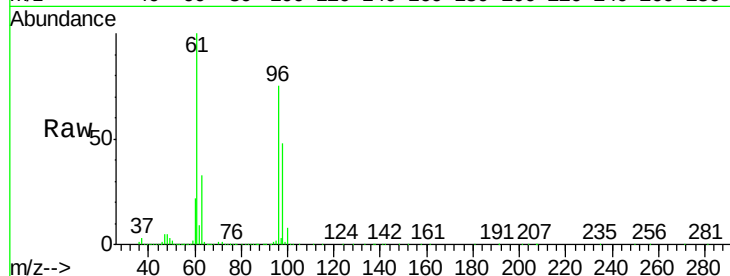
cis-1,2-Dichloroethene
 Concen: 478.728 ug/L
 RT: 4.56 min Scan# 570
 Delta R.T. 0.01 min
 Lab File: VX018637.D
 Acq: 29 Sep 2020 00:09

Instrument :
 MSVOA_X
 ClientSampleId :
 BG495

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.1	87.7	162.9
68	0.0	0.3	0.7#

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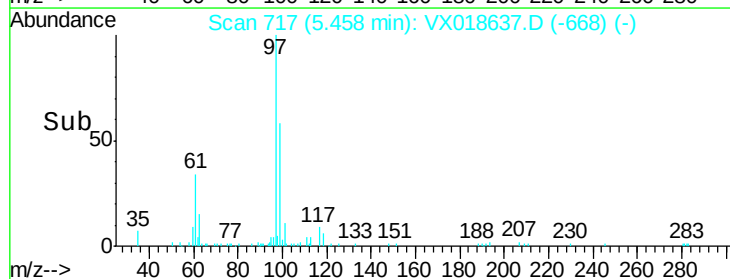
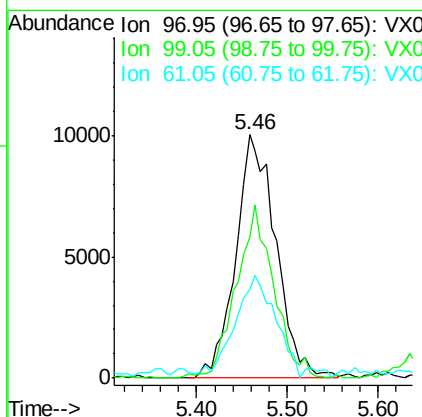
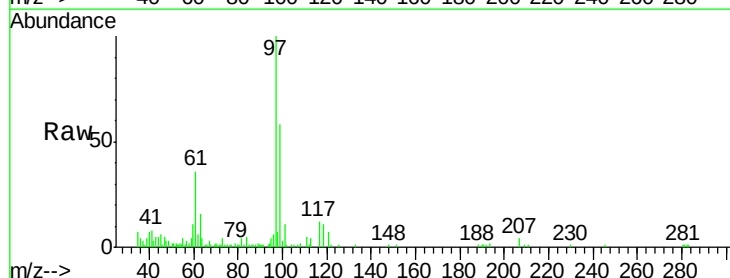
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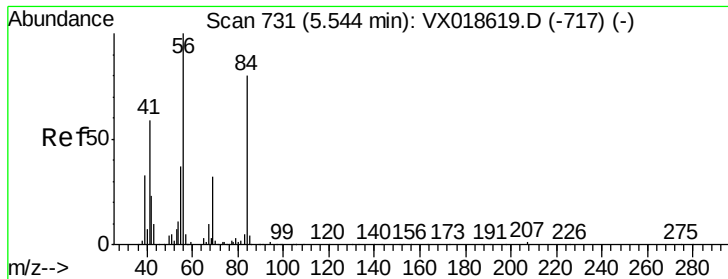


#29

1,1,1-Trichloroethane
 Concen: 1.066 ug/L
 RT: 5.46 min Scan# 717
 Delta R.T. -0.00 min
 Lab File: VX018637.D
 Acq: 29 Sep 2020 00:09

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.6	50.0	75.0
61	39.6	33.9	50.9





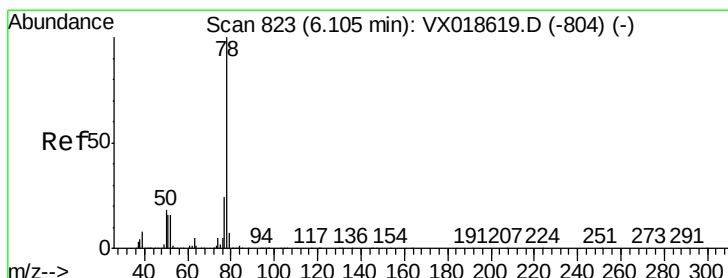
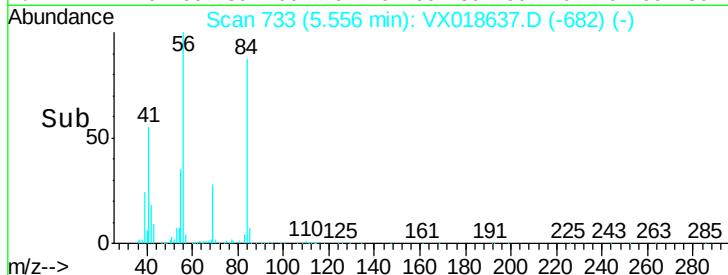
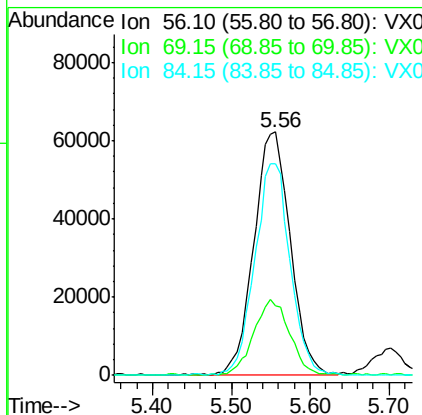
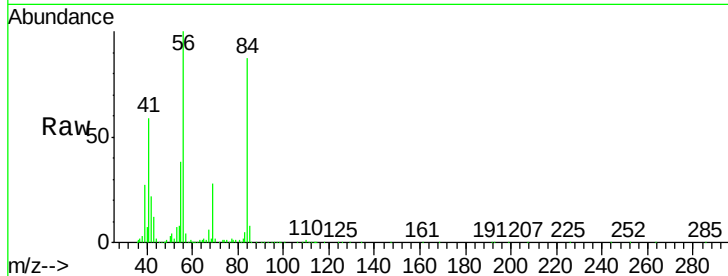
#30
Cyclohexane
Concen: 8.688 ug/L
RT: 5.56 min Scan# 733
Delta R.T. 0.01 min
Lab File: VX018637.D
Acq: 29 Sep 2020 00:09

Instrument :
MSVOA_X
ClientSampleId :
BG495

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.9	26.4	39.6
84	84.5	72.7	109.1

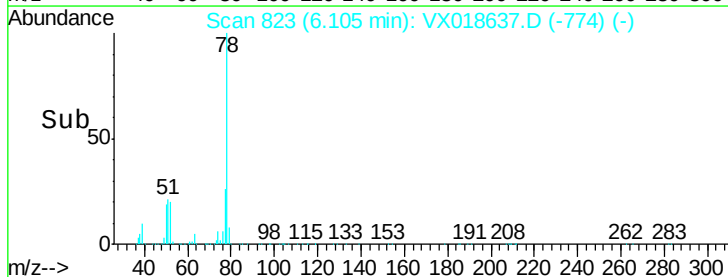
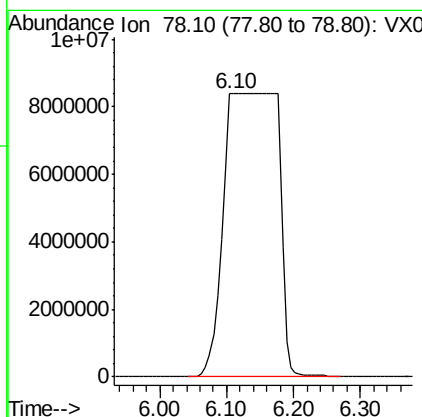
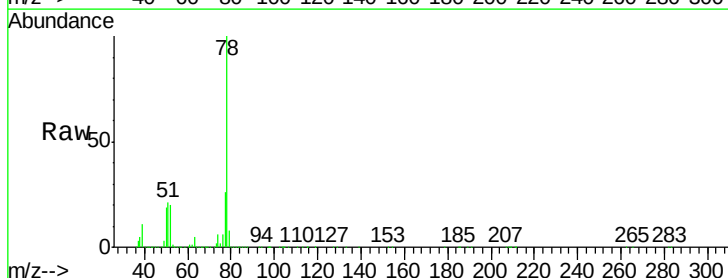
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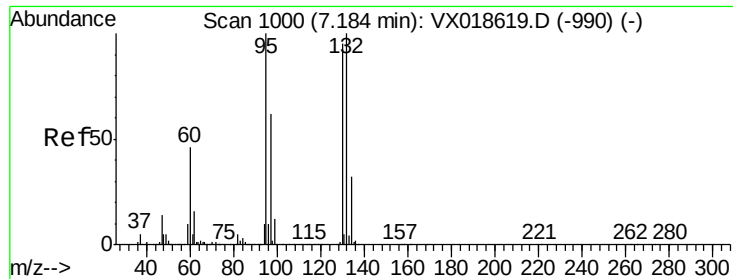
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#33
Benzene
Concen: 812.486 ug/L m
RT: 6.10 min Scan# 823
Delta R.T. -0.00 min
Lab File: VX018637.D
Acq: 29 Sep 2020 00:09

Tgt Ion: 78 Resp:47463279





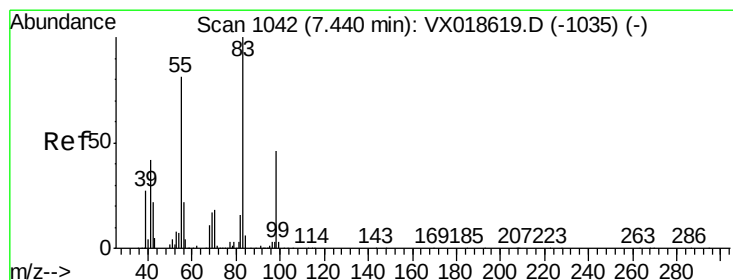
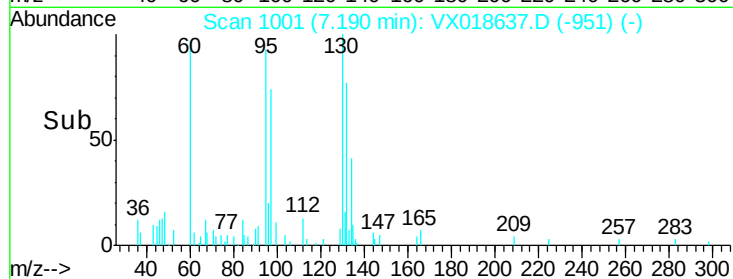
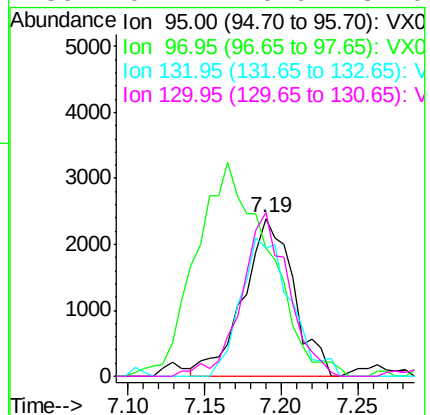
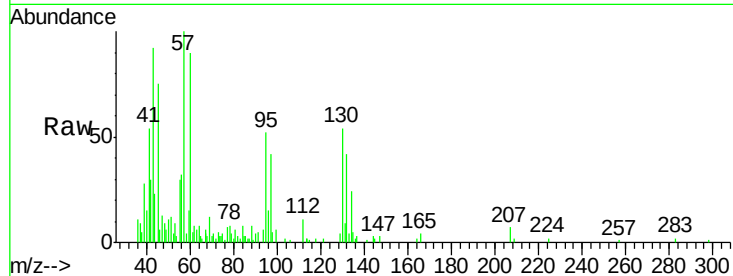
#34
 Trichloroethene
 Concen: 0.324 ug/L
 RT: 7.19 min Scan# 1001
 Delta R.T. 0.01 min
 Lab File: VX018637.D
 Acq: 29 Sep 2020 00:09

Instrument :
 MSVOA_X
 ClientSampled :
 BG495

Tot Ion:	95	Resp:	5473
Ion	Ratio	Lower	Upper
95	100		
97	80.9	40.6	75.4#
132	80.7	64.3	119.5
130	104.1	70.6	131.0

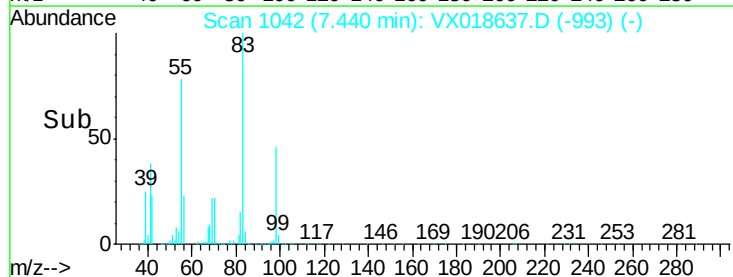
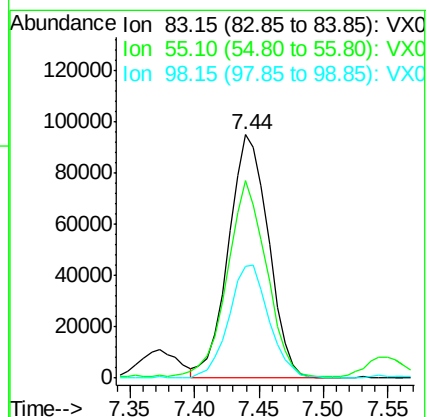
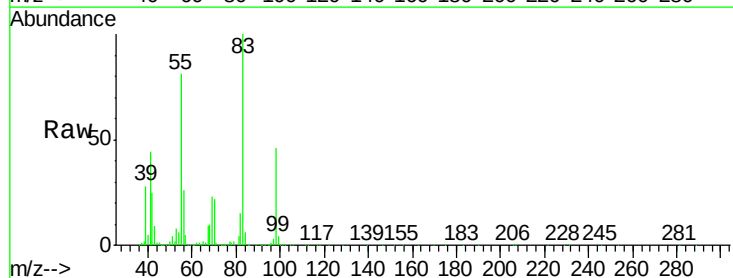
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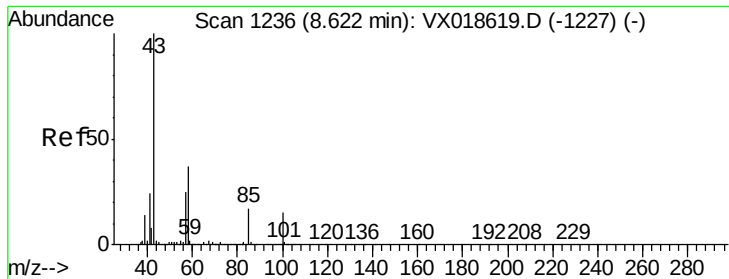
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#35
 Methylcyclohexane
 Concen: 8.704 ug/L
 RT: 7.44 min Scan# 1042
 Delta R.T. -0.00 min
 Lab File: VX018637.D
 Acq: 29 Sep 2020 00:09

Tgt Ion:	83	Resp:	204645
Ion	Ratio	Lower	Upper
83	100		
55	79.2	67.4	101.0
98	46.9	41.1	61.7





#40

4-Methyl-2-pentanone

Concen: 42.080 ug/L

RT: 8.65 min Scan# 1241

Delta R.T. 0.03 min

Lab File: VX018637.D

Acq: 29 Sep 2020 00:09

Instrument :

MSVOA_X

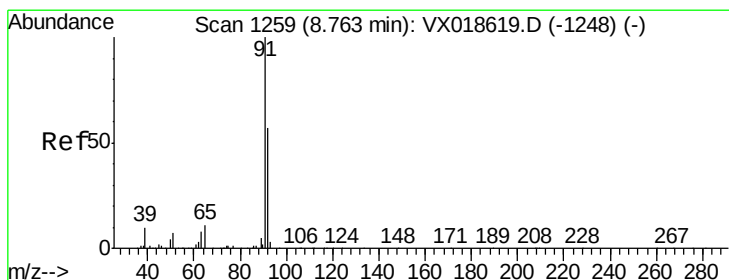
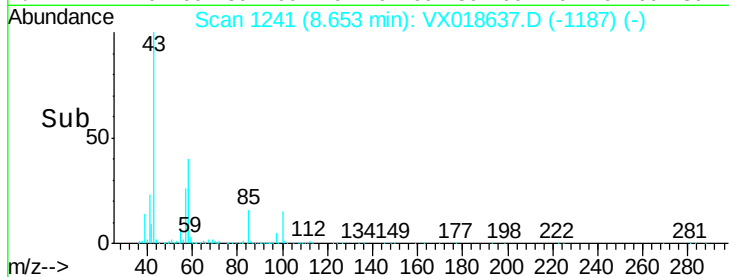
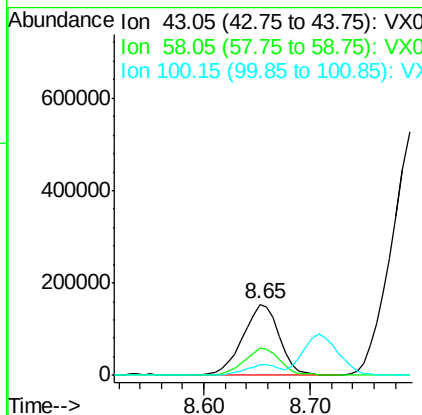
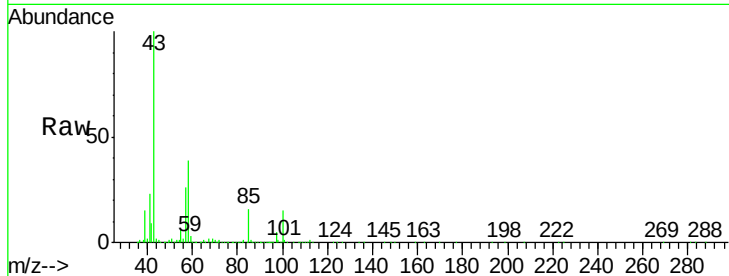
ClientSampleId :

BG495

Tot Ion:	43	Resp:	363547
Ion	Ratio	Lower	Upper
43	100		
58	39.4	30.2	45.4
100	14.8	11.8	17.8

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#42

Toluene

Concen: 692.897 ug/L m

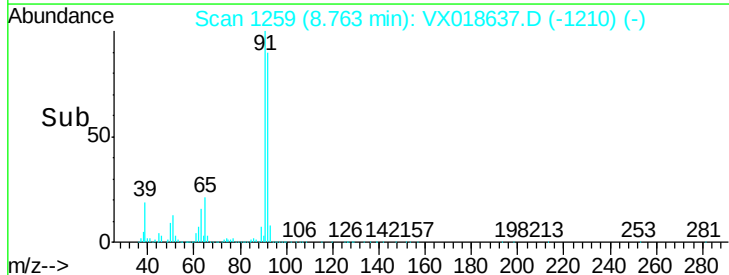
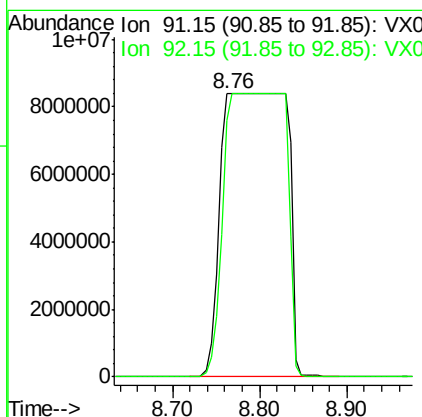
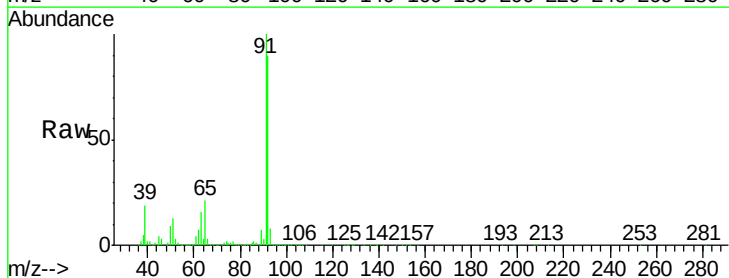
RT: 8.76 min Scan# 1259

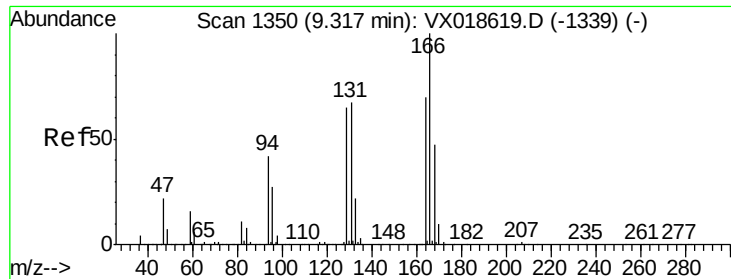
Delta R.T. -0.00 min

Lab File: VX018637.D

Acq: 29 Sep 2020 00:09

Tgt Ion:	91	Resp:	43721369
Ion	Ratio	Lower	Upper
91	100		
92	90.4	41.1	76.3#





#49

Tetrachloroethene

Concen: 0.182 ug/L

RT: 9.32 min Scan# 1350

Delta R.T. -0.00 min

Lab File: VX018637.D

Acq: 29 Sep 2020 00:09

Instrument :

MSVOA_X

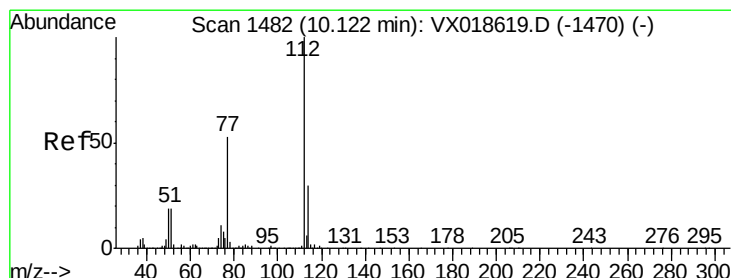
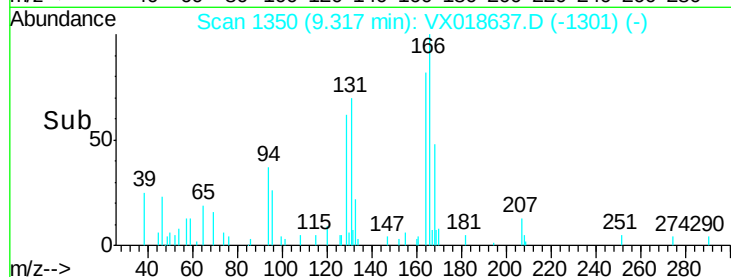
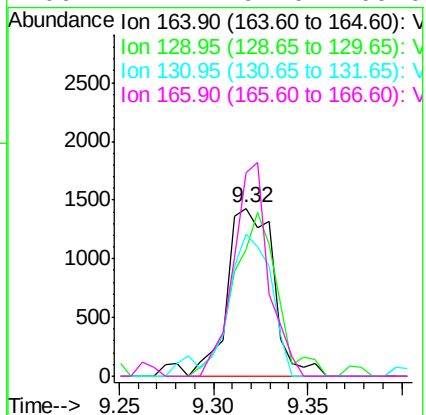
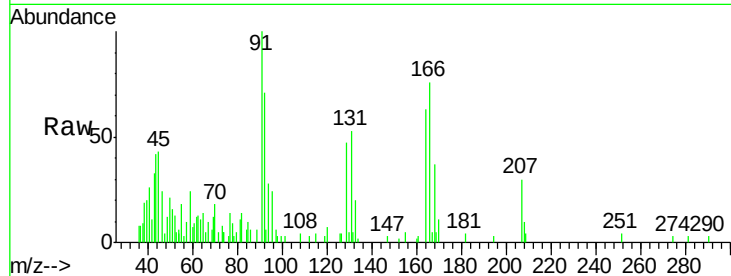
ClientSampled :

BG495

Tot Ion:	164	Resp:	2417
Ion	Ratio	Lower	Upper
164	100		
129	75.3	65.9	122.3
131	84.9	61.4	114.0
166	121.2	91.0	169.0

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#53

Chlorobenzene

Concen: 176.881 ug/L

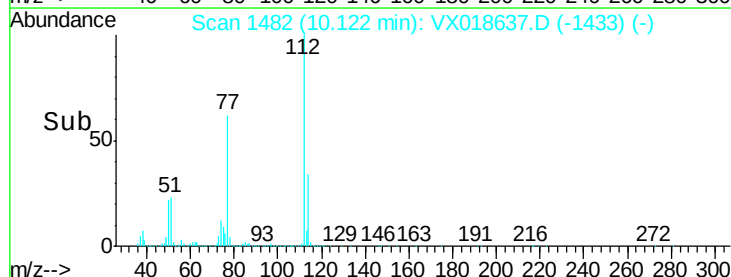
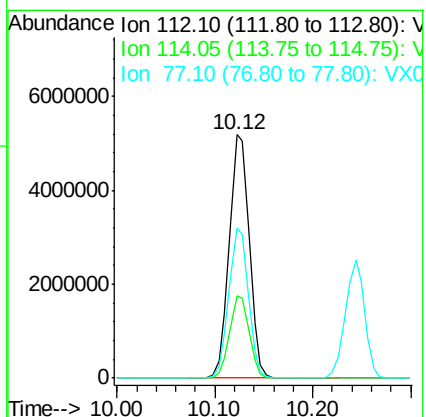
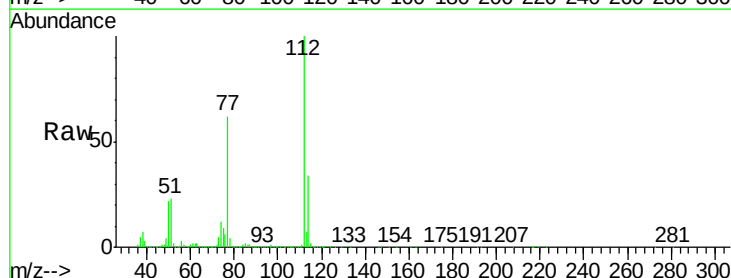
RT: 10.12 min Scan# 1482

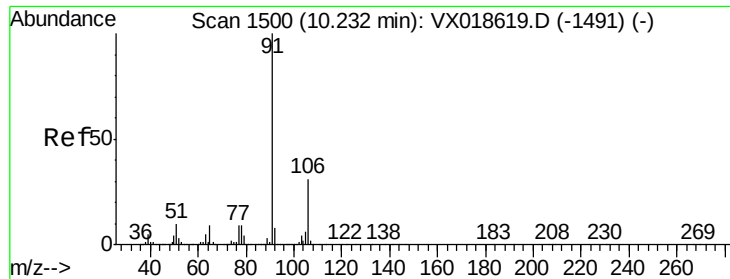
Delta R.T. -0.00 min

Lab File: VX018637.D

Acq: 29 Sep 2020 00:09

Tgt Ion:	112	Resp:	7372962
Ion	Ratio	Lower	Upper
112	100		
114	33.6	20.6	38.4
77	61.8	46.6	69.8





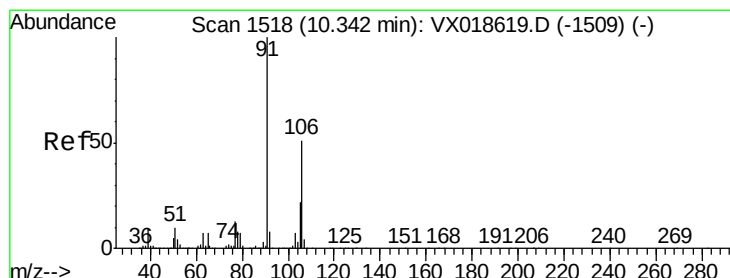
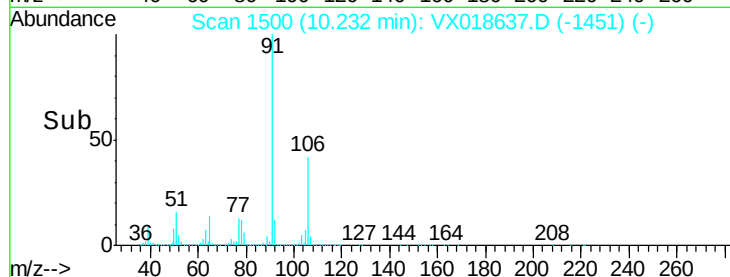
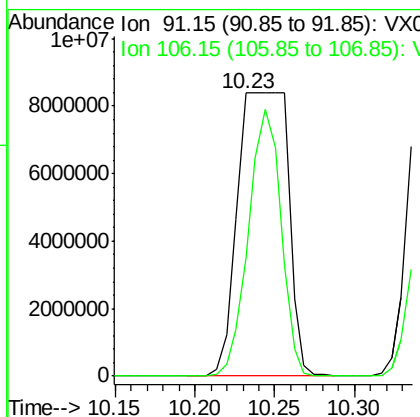
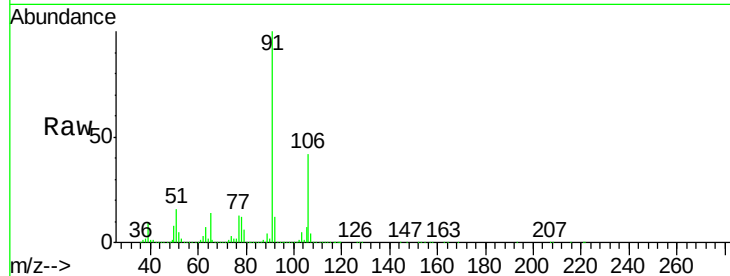
#54
Ethylbenzene
Concen: 270.377 ug/L m
RT: 10.23 min Scan# 1500
Delta R.T. -0.00 min
Lab File: VX018637.D
Acq: 29 Sep 2020 00:09

Instrument :
MSVOA_X
ClientSampleId :
BG495

Tot Ion: 91 Resp:18583791
Ion Ratio Lower Upper
91 100
106 41.7 21.0 39.0#

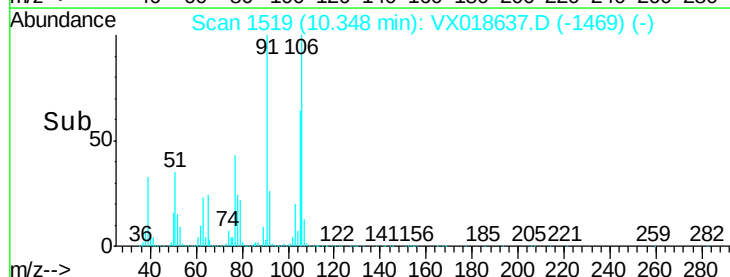
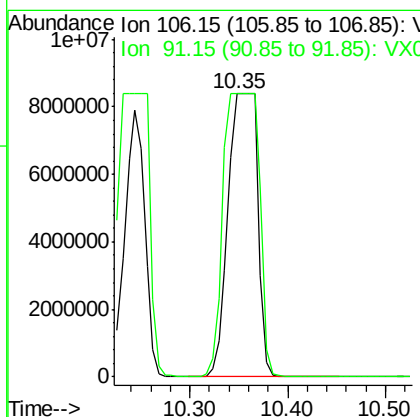
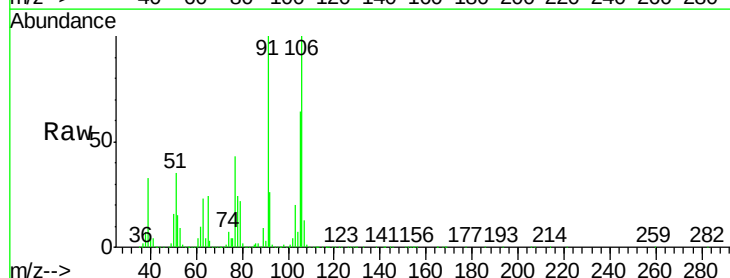
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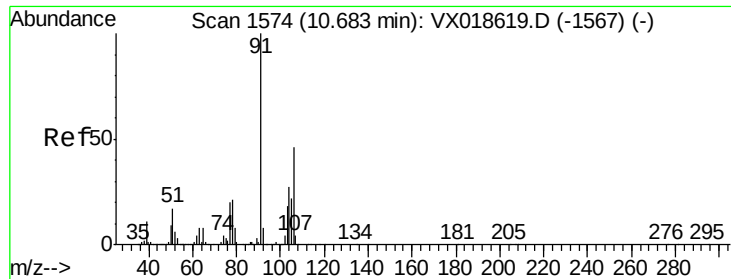
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#55
m,p-xylene
Concen: 669.299 ug/L
RT: 10.35 min Scan# 1519
Delta R.T. 0.01 min
Lab File: VX018637.D
Acq: 29 Sep 2020 00:09

Tgt Ion:106 Resp:17589676
Ion Ratio Lower Upper
106 100
91 100.0 140.3 260.6#





#56

o-xylene

Concen: 297.298 ug/L

RT: 10.69 min Scan# 1575

Delta R.T. 0.01 min

Lab File: VX018637.D

Acq: 29 Sep 2020 00:09

Instrument :

MSVOA_X

ClientSampleId :

BG495

Tot Ion:106 Resp: 7382722

Ion Ratio Lower Upper

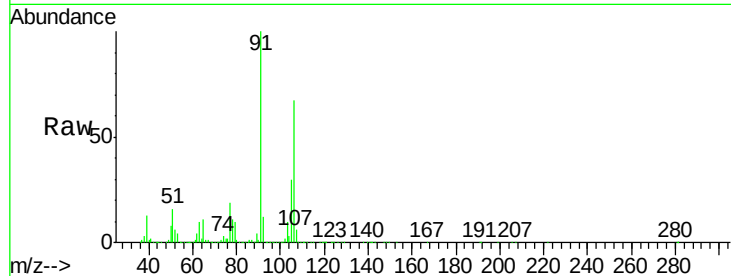
106 100

91 149.7 167.5 311.1#

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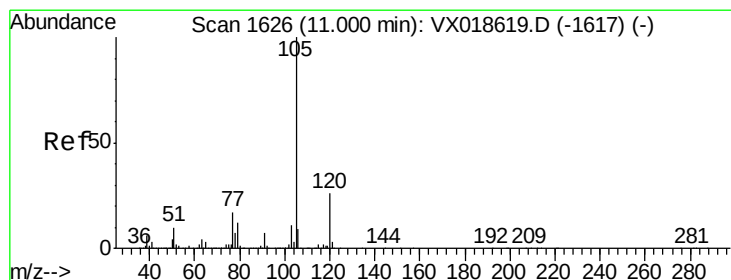
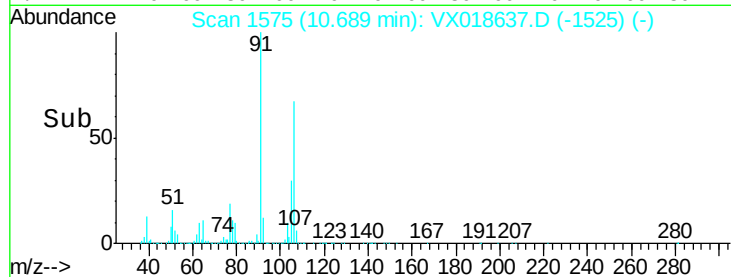
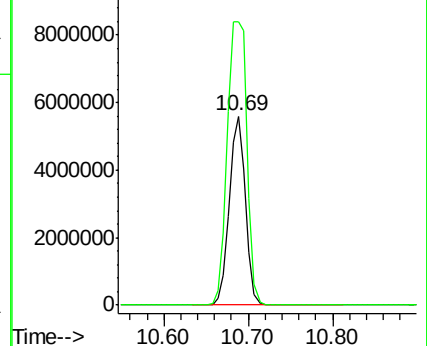
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Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0



#58

Isopropylbenzene

Concen: 78.350 ug/L

RT: 11.01 min Scan# 1627

Delta R.T. 0.01 min

Lab File: VX018637.D

Acq: 29 Sep 2020 00:09

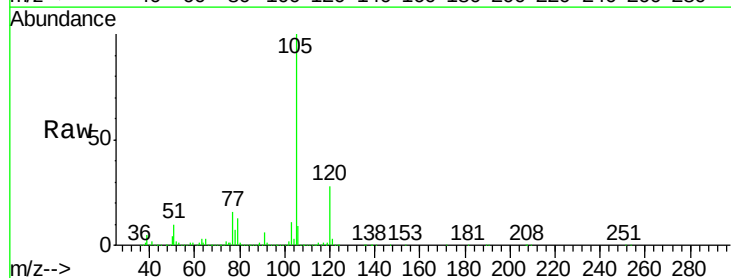
Tgt Ion:105 Resp: 5216721

Ion Ratio Lower Upper

105 100

120 27.2 21.2 31.8

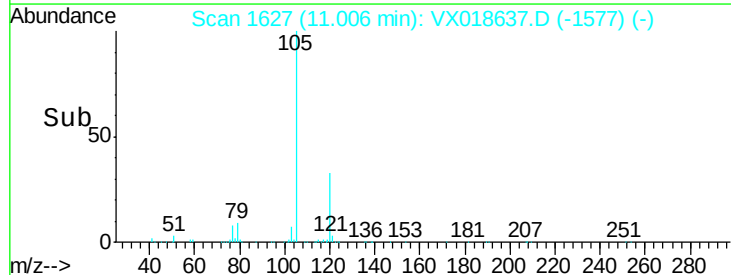
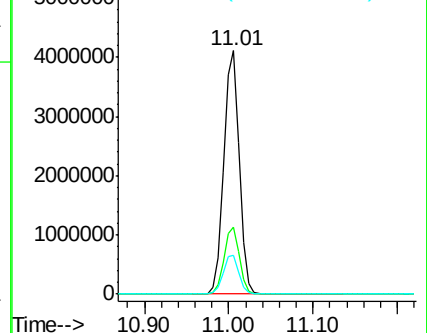
77 16.3 13.3 19.9

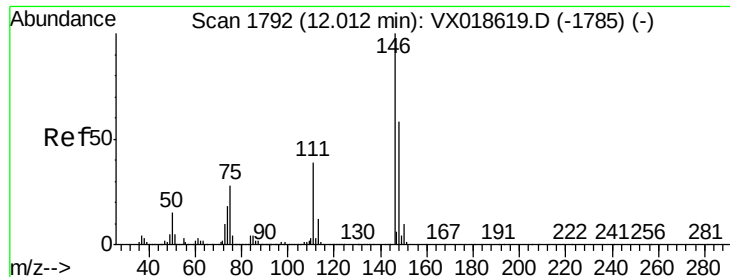


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VX0





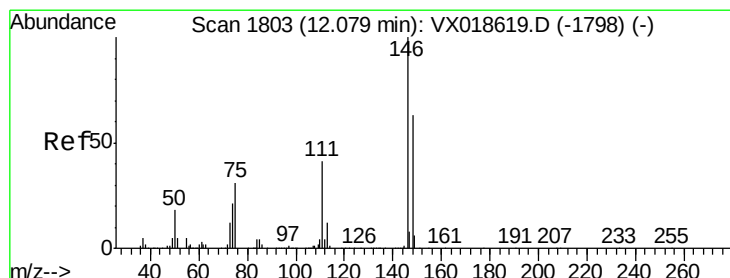
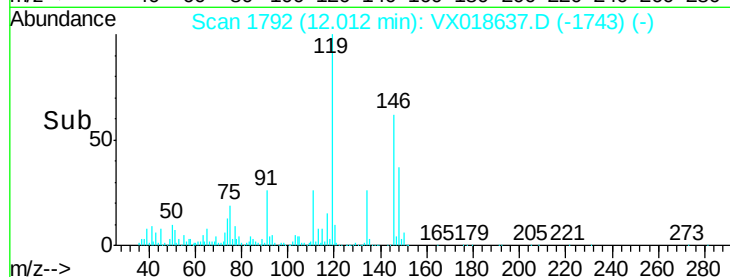
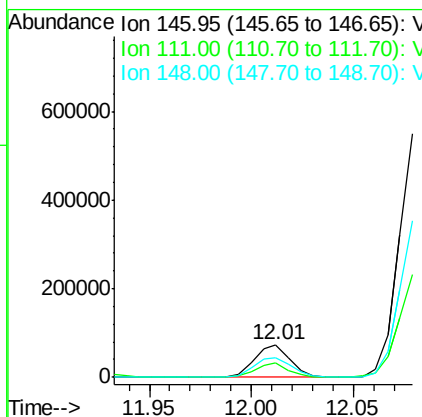
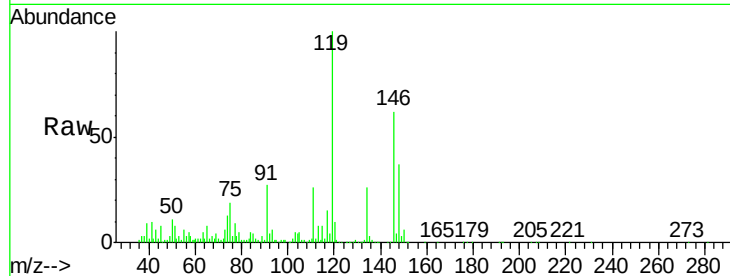
#63
 1,3-Dichlorobenzene
 Concen: 2.571 ug/L
 RT: 12.01 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX018637.D
 Acq: 29 Sep 2020 00:09

Instrument :
 MSVOA_X
 ClientSampled :
 BG495

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	26.7	49.7
148	60.5	44.4	82.5

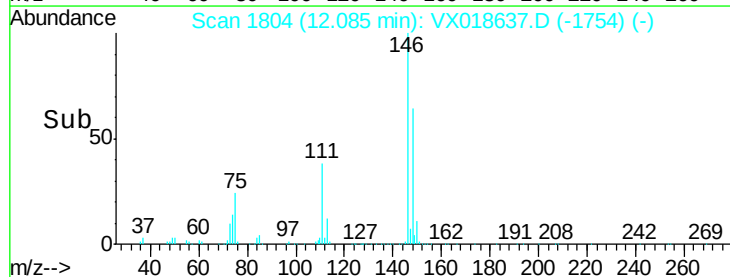
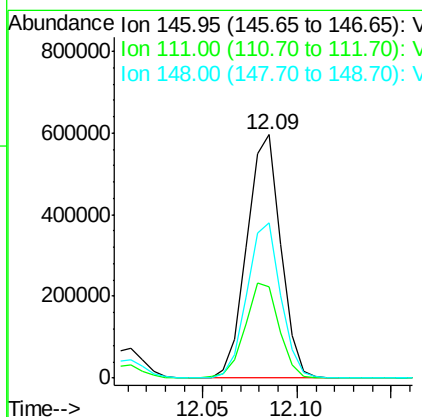
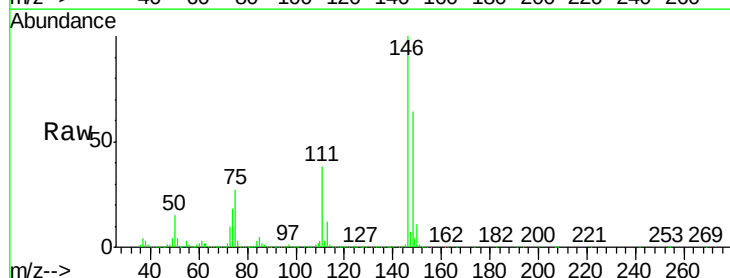
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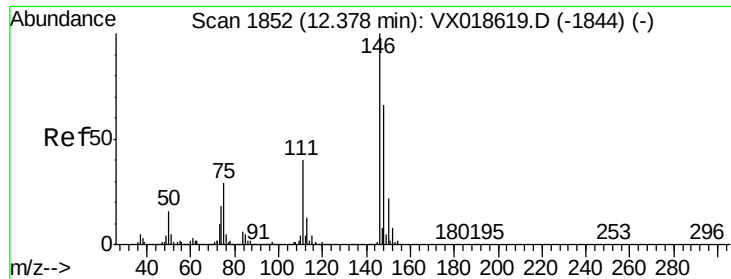
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#64
 1,4-Dichlorobenzene
 Concen: 20.970 ug/L
 RT: 12.09 min Scan# 1804
 Delta R.T. 0.01 min
 Lab File: VX018637.D
 Acq: 29 Sep 2020 00:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	28.8	53.4
148	63.6	44.9	83.3





#66
 1,2-Dichlorobenzene
 Concen: 31.476 ug/L
 RT: 12.38 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VX018637.D
 Acq: 29 Sep 2020 00:09

Instrument :
 MSVOA_X
 ClientSampleId :
 BG495

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	33.6	50.4
148	62.6	53.4	80.2

Manual Integrations
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