

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX092120\
 Data File : VX018517.D
 Acq On : 21 Sep 2020 17:21
 Operator : JC/SP
 Sample : MDL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL02

Manual Integrations
 APPROVED

MMDadoda
 10/6/2020 1:13:20 PM

Quant Time: Sep 22 02:21:35 2020

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SFAMXLM092120WMA.M

Quant Title : VOC Analysis

QLast Update : Tue Sep 22 02:09:57 2020

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	615472	50.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	585595	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.06	152	291275	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	8423	2.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	4.12%#
7) Chloroethane-d5	1.70	69	6487	2.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	4.20%#
11) 1,1-Dichloroethene-d2	2.35	63	16589	2.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	4.00%#
21) 2-Butanone-d5	4.54	46	9415m	3.47	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	3.47%#
24) Chloroform-d	5.15	84	17415	2.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	4.44%#
26) 1,2-Dichloroethane-d4	6.03	65	12690m	2.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	4.30%#
32) Benzene-d6	6.05	84	30067	1.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	3.96%#
36) 1,2-Dichloropropane-d6	7.37	67	10188	2.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	4.30%#
41) Toluene-d8	8.70	98	29199	1.97	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	3.94%#
43) trans-1,3-Dichloropropene-	8.99	79	5048	1.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	3.72%#
47) 2-Hexanone-d5	9.43	63	6242	3.18	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	3.18%#
56) 1,1,2,2-Tetrachloroethane-	11.23	84	12281	1.94	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	3.88%#
66) 1,2-Dichlorobenzene-d4	12.36	152	12662	2.25	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	4.50%#

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	11362	2.144	ug/L 92
3) Chloromethane	1.31	50	9771	2.415	ug/L 100
5) Vinyl chloride	1.39	62	10523	2.339	ug/L 97
6) Bromomethane	1.64	94	6176	2.575	ug/L 80
8) Chloroethane	1.72	64	5566	2.105	ug/L 95
9) Trichlorofluoromethane	1.92	101	16852	2.217	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.37	101	8407	2.035	ug/L 95
12) 1,1-Dichloroethene	2.36	96	8943	2.307	ug/L # 77
13) Acetone	2.43	43	8868	4.443	ug/L 91
14) Carbon disulfide	2.56	76	27213	2.308	ug/L 96
15) Methyl Acetate	2.75	43	8426	1.989	ug/L # 88
16) Methylene chloride	2.84	84	10240	2.411	ug/L 90
17) trans-1,2-Dichloroethene	3.14	96	9718	2.382	ug/L 95
18) Methyl tert-butyl Ether	3.17	73	26654	2.028	ug/L # 91
19) 1,1-Dichloroethane	3.67	63	16122	2.126	ug/L 99
20) cis-1,2-Dichloroethene	4.57	96	10027	2.248	ug/L 89
22) 2-Butanone	4.65	43	11582m	3.821	ug/L

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Manual Integrations
 APPROVED

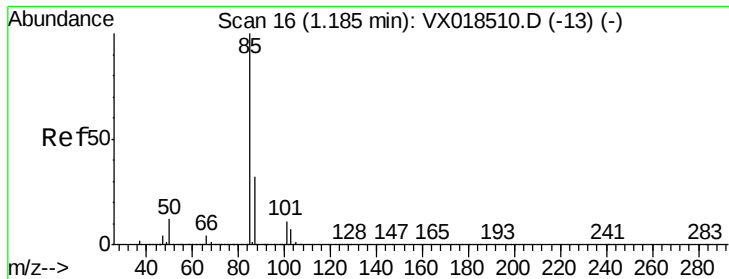
MMDadoda
 10/6/2020 1:13:20 PM

Quant Time: Sep 22 02:21:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SFAMXLM092120WMA.M
 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.98	128	5423	2.209	ug/L #	77
25) Chloroform	5.18	83	18343	2.163	ug/L	83
27) 1,2-Dichloroethane	6.17	62	15299	2.254	ug/L	99
29) Cyclohexane	5.55	56	12112m	1.885	ug/L	
30) 1,1,1-Trichloroethane	5.46	97	17449	2.218	ug/L	92
31) Carbon tetrachloride	5.76	117	14910	2.098	ug/L	96
33) Benzene	6.12	78	33253	2.024	ug/L	100
34) Trichloroethene	7.19	95	10166	2.218	ug/L	90
35) Methylcyclohexane	7.43	83	12445	1.868	ug/L	93
37) 1,2-Dichloropropane	7.49	63	9111	2.102	ug/L #	95
38) Bromodichloromethane	7.88	83	13480	2.166	ug/L	87
39) cis-1,3-Dichloropropene	8.42	75	14725	2.104	ug/L	96
40) 4-Methyl-2-pentanone	8.62	43	20211	3.515	ug/L	95
42) Toluene	8.77	91	35155	1.992	ug/L	99
44) trans-1,3-Dichloropropene	9.02	75	14022	1.969	ug/L	93
45) 1,1,2-Trichloroethane	9.20	97	9181	2.186	ug/L	88
46) Tetrachloroethene	9.32	164	7347	1.948	ug/L	95
48) 2-Hexanone	9.48	43	14098	3.113	ug/L #	97
49) Dibromochloromethane	9.57	129	10343	1.955	ug/L	97
50) 1,2-Dibromoethane	9.65	107	9338	2.022	ug/L #	95
51) Chlorobenzene	10.12	112	24572	2.073	ug/L	95
52) Ethylbenzene	10.24	91	37413	1.903	ug/L	96
53) m,p-Xylene	10.34	106	14170	1.892	ug/L	95
54) o-Xylene	10.68	106	13275	1.841	ug/L	90
55) Styrene	10.70	104	22116	1.781	ug/L	98
57) 1,1,2,2-Tetrachloroethane	11.26	83	12343	1.921	ug/L #	97
59) Bromoform	10.84	173	7296	1.900	ug/L #	94
60) Isopropylbenzene	11.00	105	33330	1.789	ug/L	97
61) 1,2,3-Trichloropropane	11.28	75	11514	2.191	ug/L	98
62) 1,3,5-Trimethylbenzene	11.49	105	26131	1.699	ug/L	99
63) 1,2,4-Trimethylbenzene	11.79	105	25276	1.613	ug/L	99
64) 1,3-Dichlorobenzene	12.01	146	18509	2.011	ug/L	97
65) 1,4-Dichlorobenzene	12.08	146	19366	2.083	ug/L	90
67) 1,2-Dichlorobenzene	12.38	146	18383	2.074	ug/L #	85
68) 1,2-Dibromo-3-chloropropan	12.98	75	3660	2.375	ug/L #	84
69) 1,3,5-Trichlorobenzene	13.15	180	12775	2.092	ug/L	93
70) 1,2,4-trichlorobenzene	13.63	180	10736	1.916	ug/L	95
71) Naphthalene	13.82	128	27903	1.595	ug/L	97
72) 1,2,3-Trichlorobenzene	14.01	180	10557	1.879	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 2.144 ug/L

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX018517.D

Acq: 21 Sep 2020 17:21

Instrument :

MSVOA_X

ClientSampled :

MDL02

Tot Ion: 85 Resp: 11362

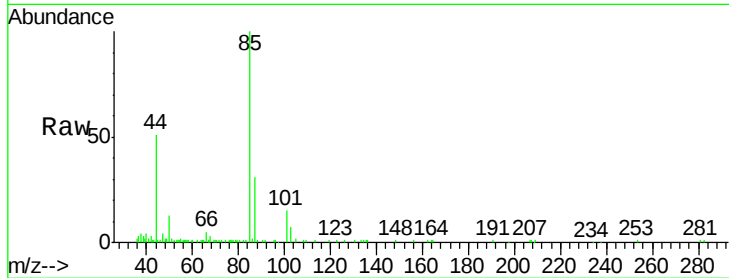
Ion Ratio Lower Upper

85 100

87 28.3 26.2 39.4

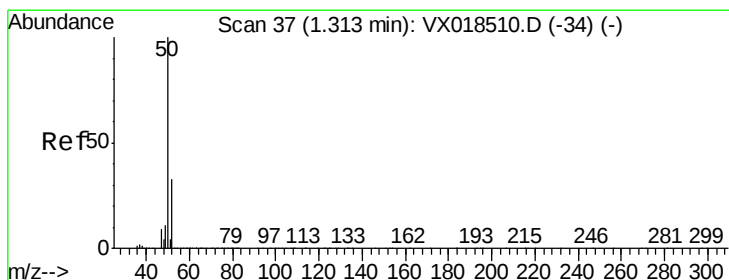
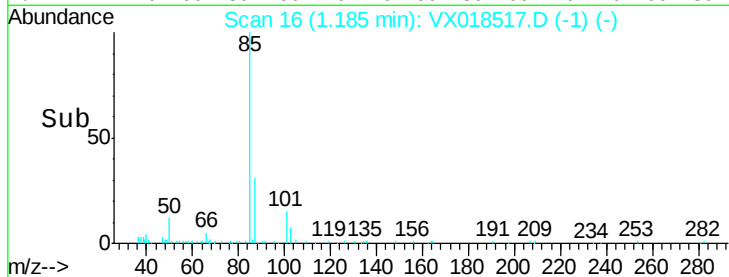
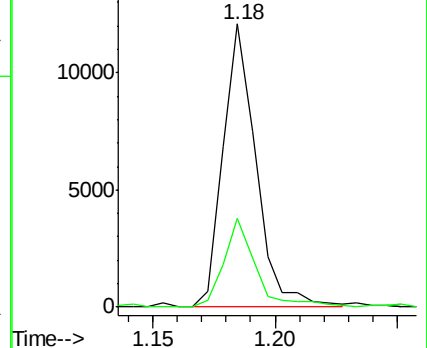
Manual Integrations
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Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#3

Chloromethane

Concen: 2.415 ug/L

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX018517.D

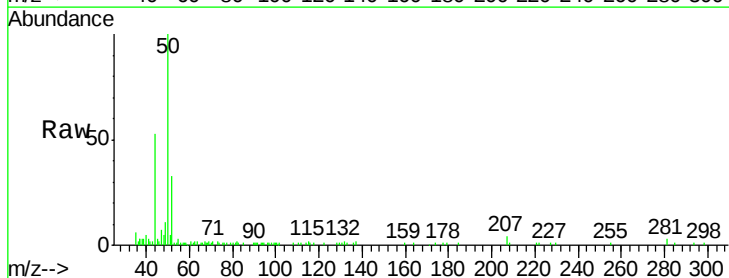
Acq: 21 Sep 2020 17:21

Tgt Ion: 50 Resp: 9771

Ion Ratio Lower Upper

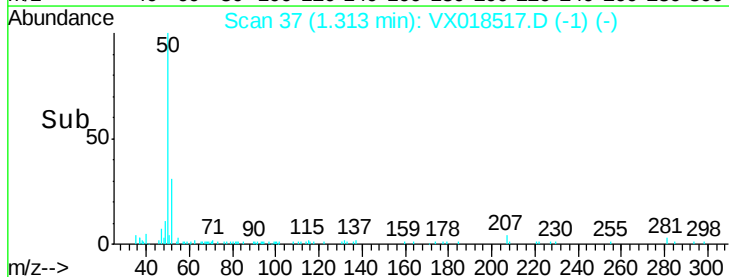
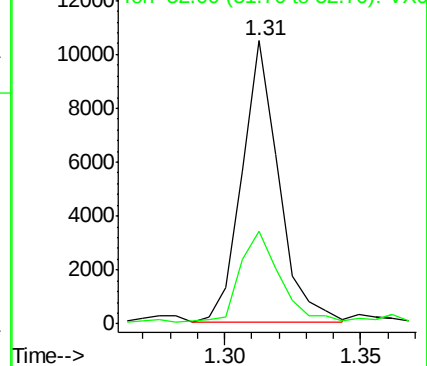
50 100

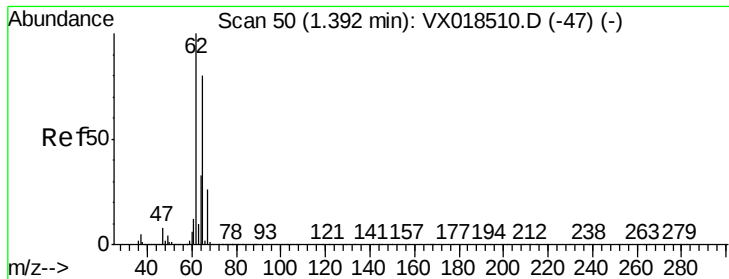
52 32.7 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





#5

Vinyl chloride

Concen: 2.339 ug/L

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX018517.D

Acq: 21 Sep 2020 17:21

Instrument :

MSVOA_X

ClientSampled :

MDL02

Tot Ion: 62 Resp: 10523

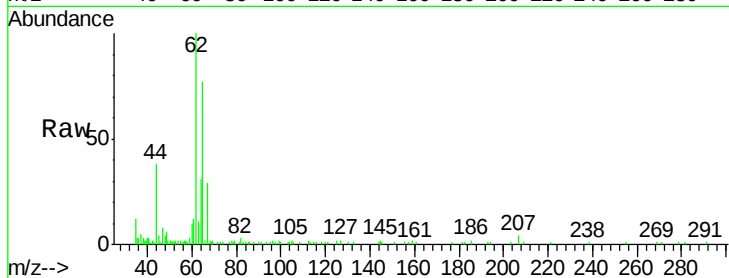
Ion Ratio Lower Upper

62 100

64 31.4 23.0 42.6

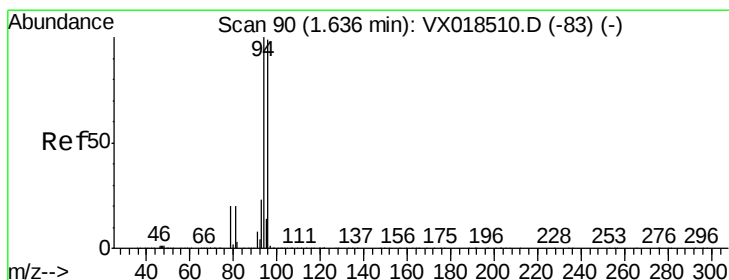
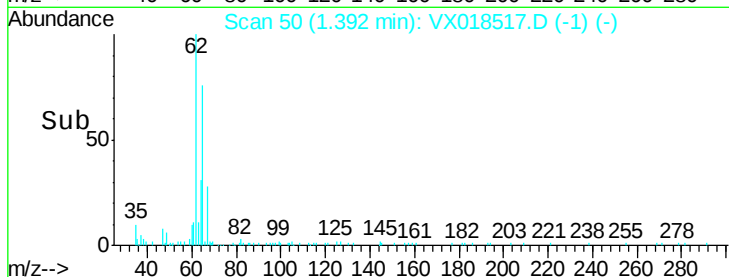
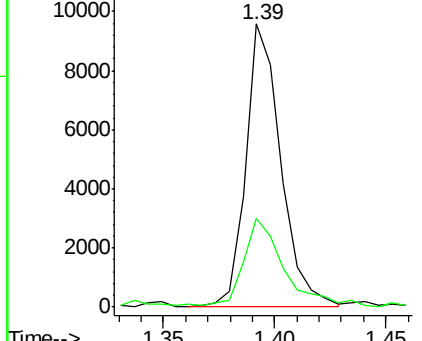
Manual Integrations
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Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0



#6

Bromomethane

Concen: 2.575 ug/L

RT: 1.64 min Scan# 91

Delta R.T. 0.01 min

Lab File: VX018517.D

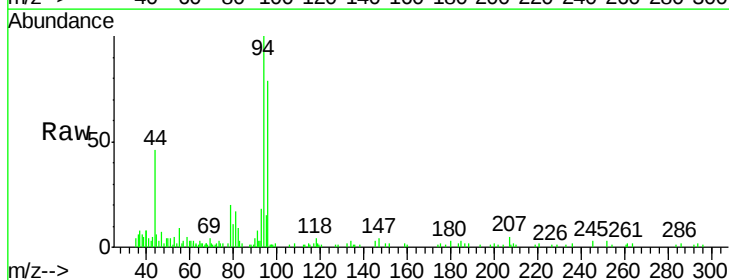
Acq: 21 Sep 2020 17:21

Tgt Ion: 94 Resp: 6176

Ion Ratio Lower Upper

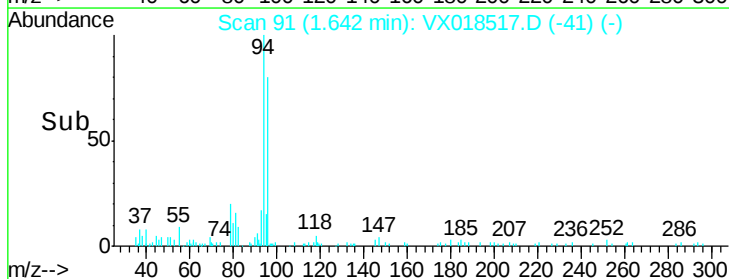
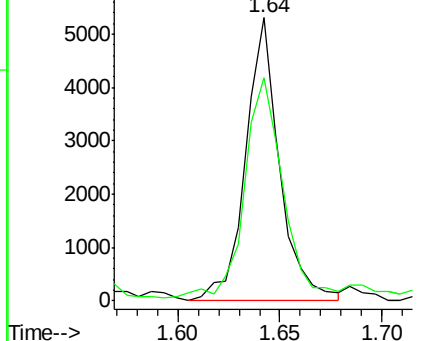
94 100

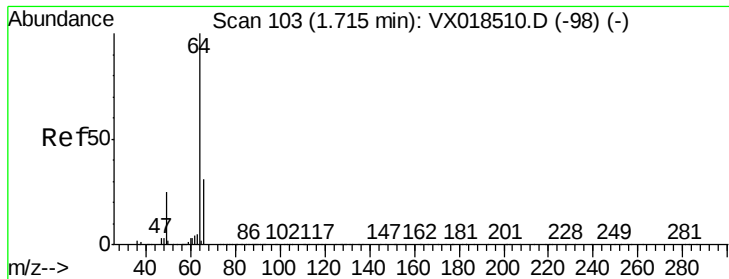
96 78.7 69.2 128.4



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0





#8

Chloroethane

Concen: 2.105 ug/L

RT: 1.72 min Scan# 103

Delta R.T. 0.00 min

Lab File: VX018517.D

Acq: 21 Sep 2020 17:21

Instrument :

MSVOA_X

ClientSampled :

MDL02

Tot Ion: 64 Resp: 5566

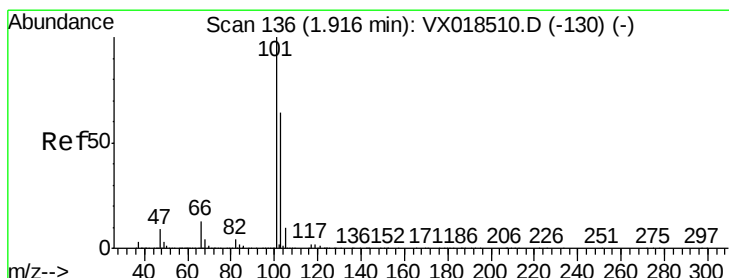
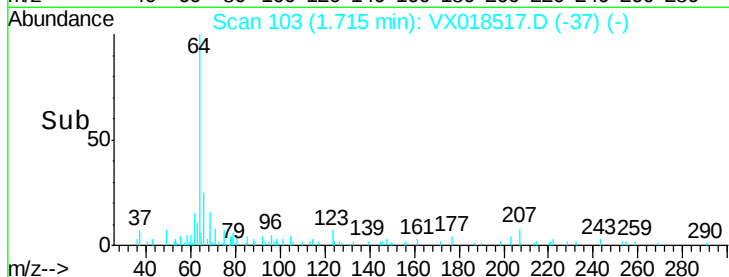
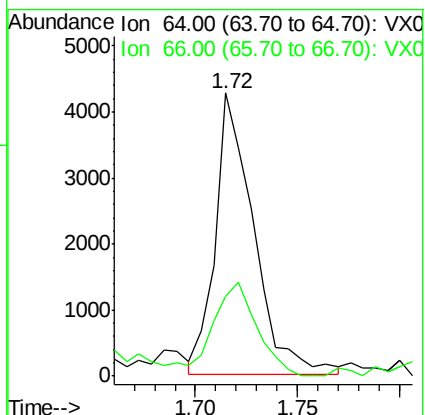
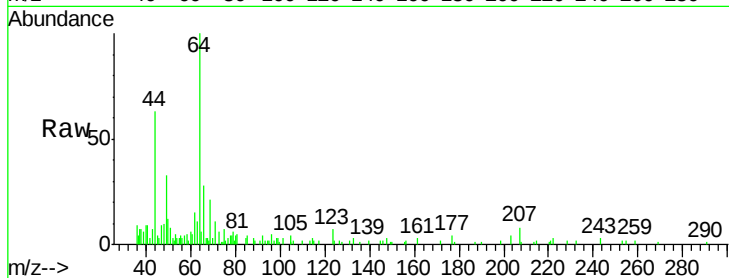
Ion Ratio Lower Upper

64 100

66 28.2 21.6 40.2

Manual Integrations
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#9

Trichlorofluoromethane

Concen: 2.217 ug/L

RT: 1.92 min Scan# 137

Delta R.T. 0.01 min

Lab File: VX018517.D

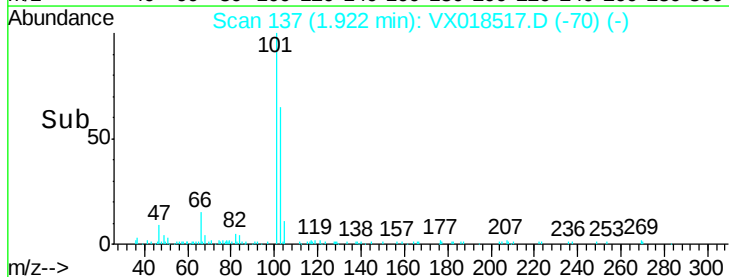
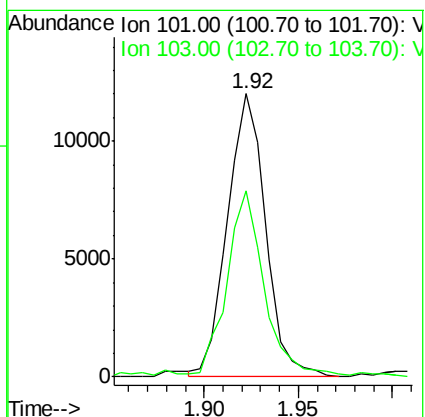
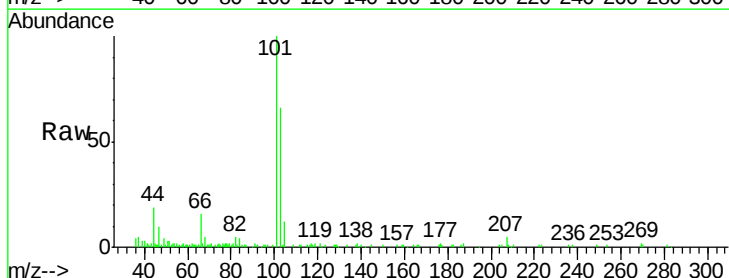
Acq: 21 Sep 2020 17:21

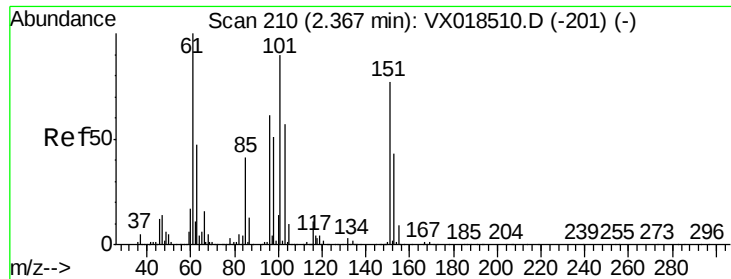
Tgt Ion: 101 Resp: 16852

Ion Ratio Lower Upper

101 100

103 62.9 51.5 77.3





#10

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

Concen: 2.035 ug/L

RT: 2.37 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX018517.D

Acq: 21 Sep 2020 17:21

Instrument :

MSVOA_X

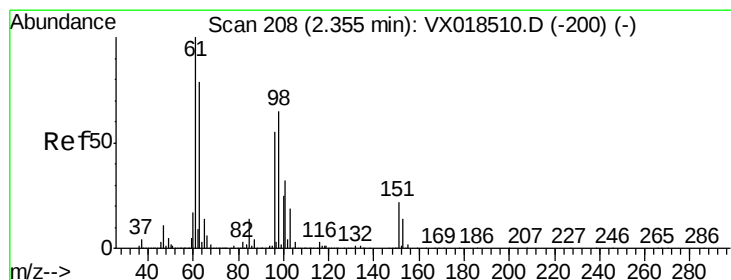
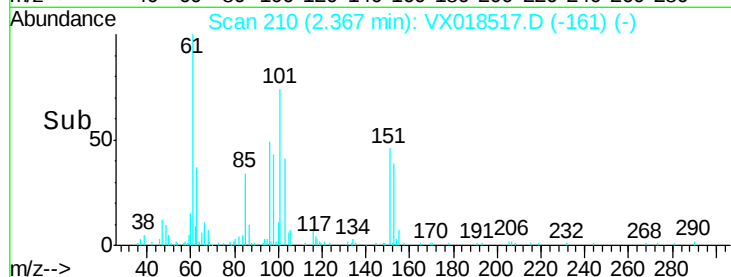
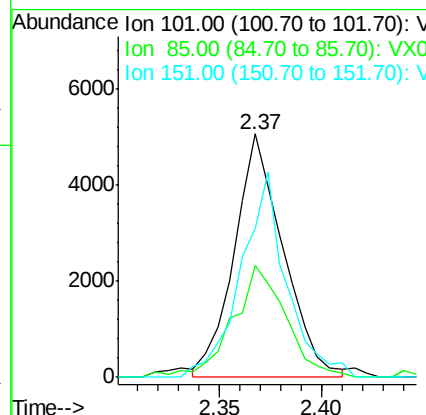
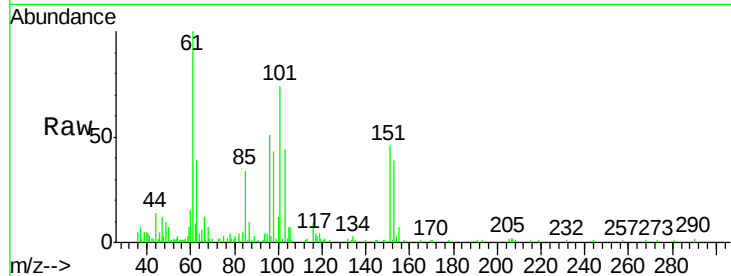
ClientSampleId :

MDL02

Tot Ion:	101	Resp:	8407
Ion Ratio	Lower	Upper	
101	100		
85	50.2	34.9	52.3
151	78.6	65.0	97.4

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 2.307 ug/L

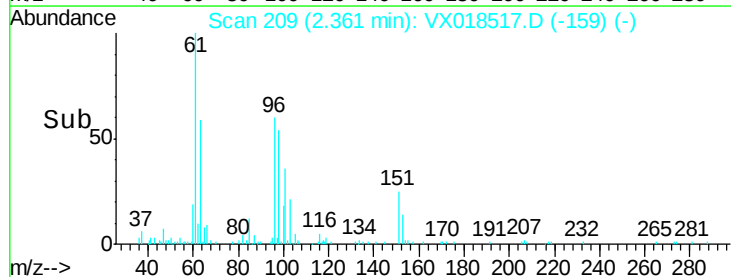
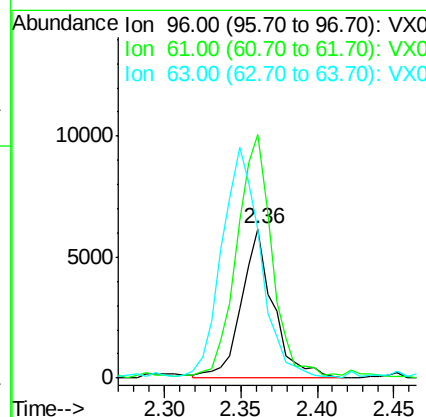
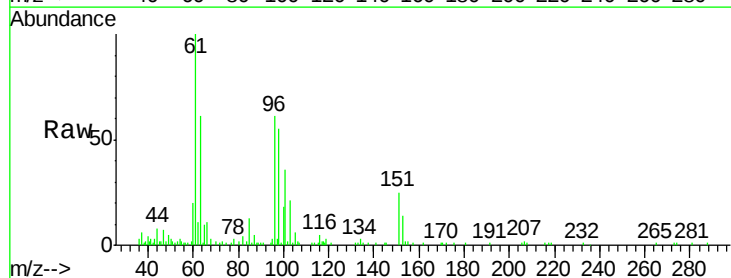
RT: 2.36 min Scan# 209

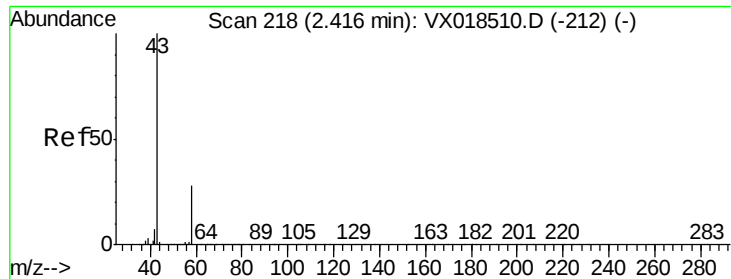
Delta R.T. 0.01 min

Lab File: VX018517.D

Acq: 21 Sep 2020 17:21

Tgt Ion:	96	Resp:	8943
Ion Ratio	Lower	Upper	
96	100		
61	163.0	126.8	235.6
63	99.8	100.3	186.3#





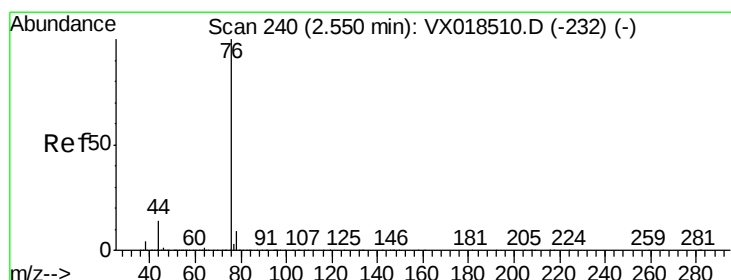
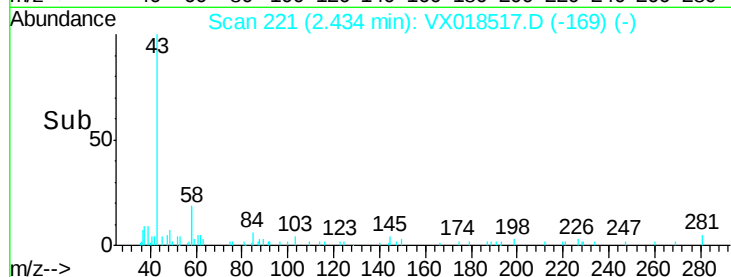
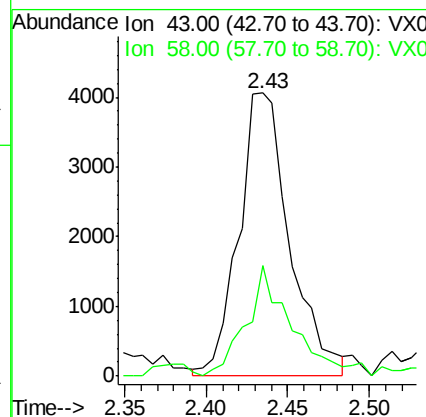
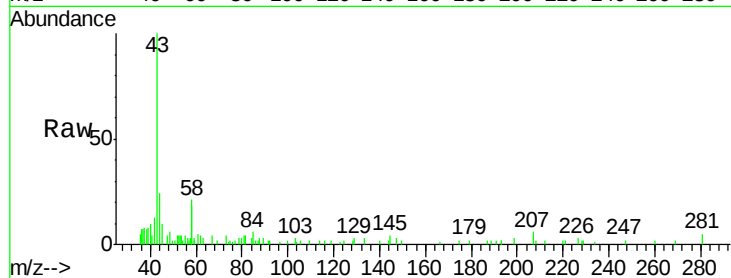
#13
Acetone
Concen: 4.443 ug/L
RT: 2.43 min Scan# 221
Delta R.T. 0.02 min
Lab File: VX018517.D
Acq: 21 Sep 2020 17:21

Instrument :
MSVOA_X
ClientSampleId :
MDL02

Tot Ion	Ratio	Lower	Upper
43	100		
58	33.7	0.0	57.6

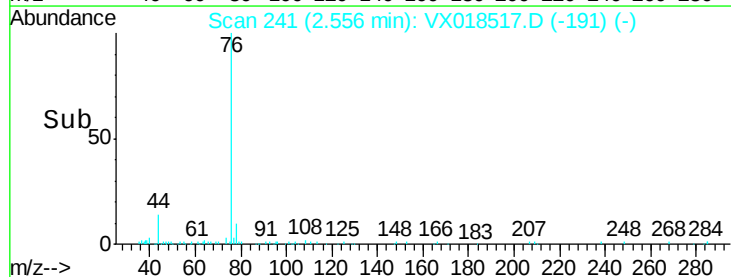
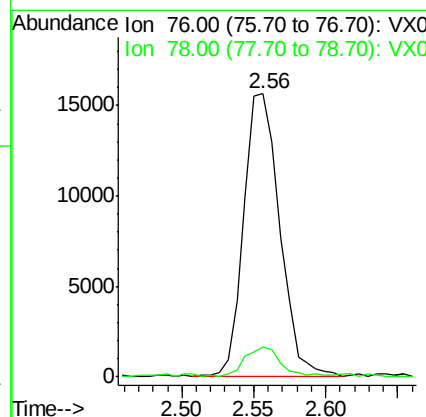
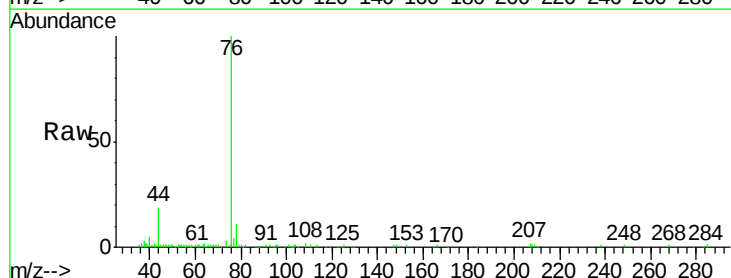
Manual Integrations
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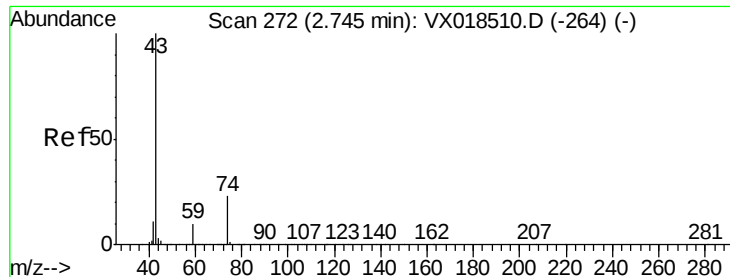
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#14
Carbon disulfide
Concen: 2.308 ug/L
RT: 2.56 min Scan# 241
Delta R.T. 0.01 min
Lab File: VX018517.D
Acq: 21 Sep 2020 17:21

Tgt Ion	Ratio	Lower	Upper
76	100		
78	10.6	7.4	11.2





#15

Methyl Acetate

Concen: 1.989 ug/L

RT: 2.75 min Scan# 273

Delta R.T. 0.01 min

Lab File: VX018517.D

Acq: 21 Sep 2020 17:21

Instrument :

MSVOA_X

ClientSampled :

MDL02

Tot Ion: 43 Resp: 8426

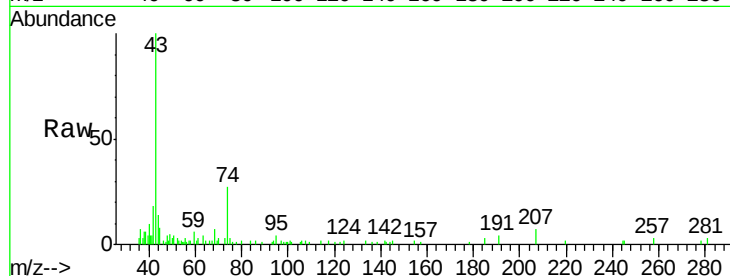
Ion Ratio Lower Upper

43 100

74 27.7 0.1 0.1#

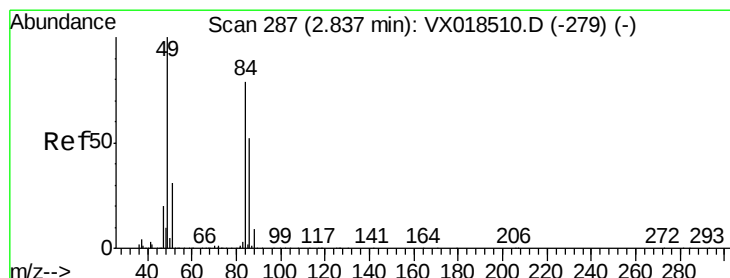
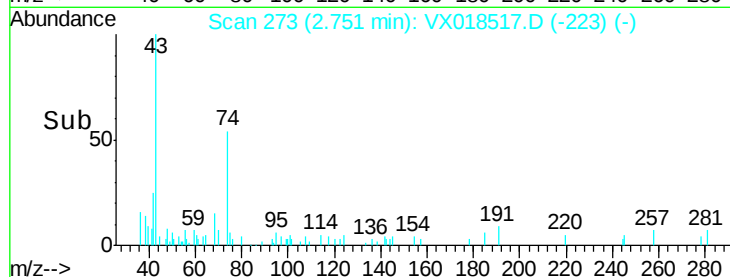
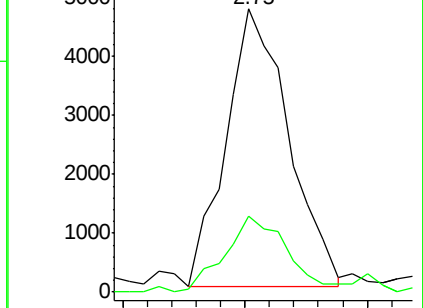
Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



#16

Methylene chloride

Concen: 2.411 ug/L

RT: 2.84 min Scan# 287

Delta R.T. 0.00 min

Lab File: VX018517.D

Acq: 21 Sep 2020 17:21

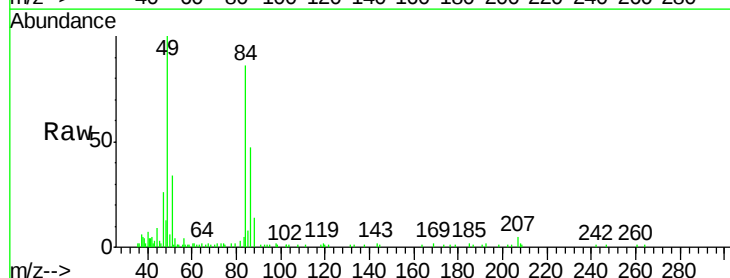
Tgt Ion: 84 Resp: 10240

Ion Ratio Lower Upper

84 100

86 54.6 46.1 85.7

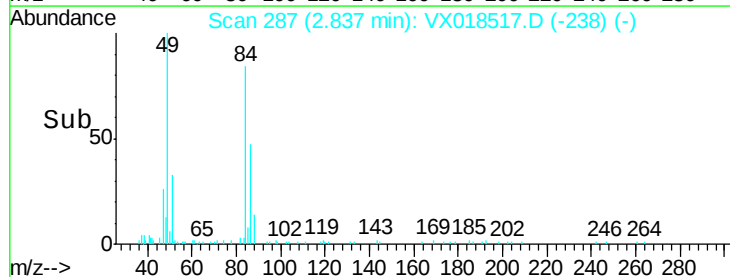
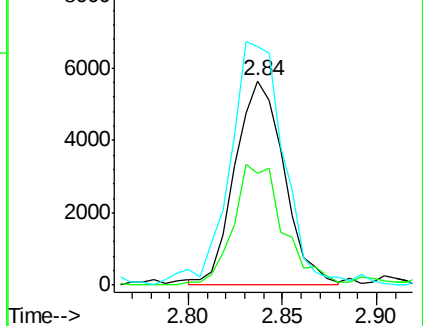
49 116.9 88.5 164.3

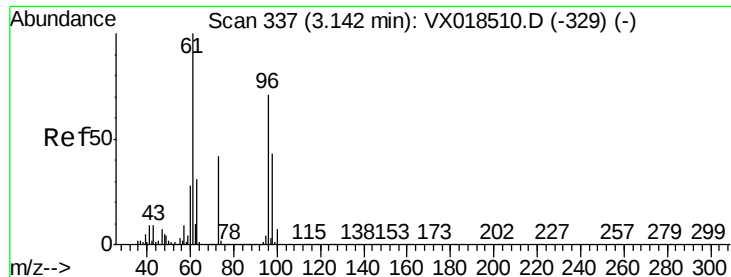


Abundance Ion 84.00 (83.70 to 84.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

Ion 49.00 (48.70 to 49.70): VX0





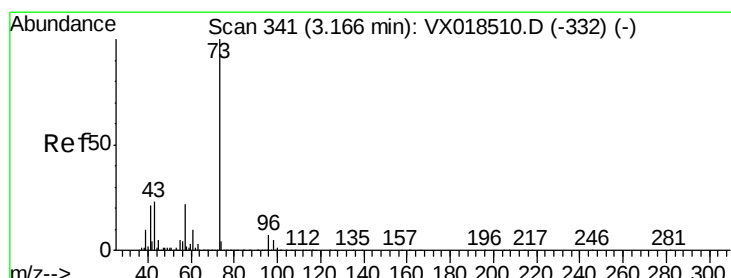
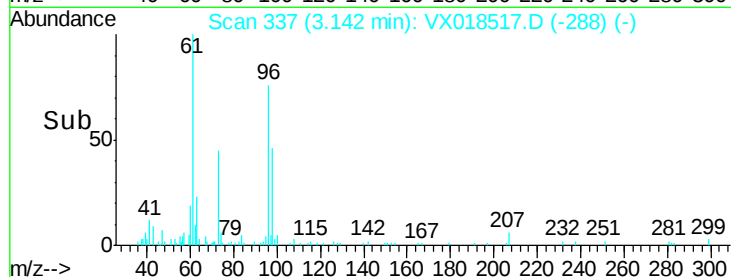
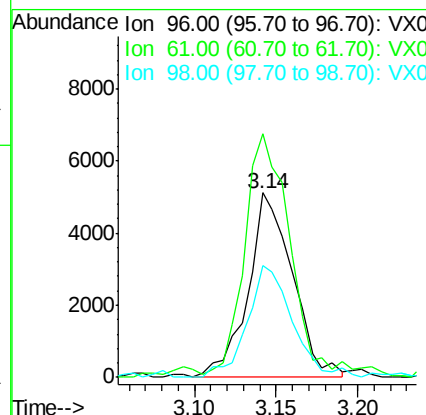
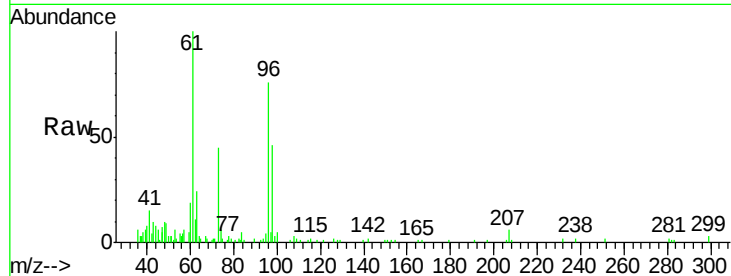
#17
trans-1,2-Dichloroethene
Concen: 2.382 ug/L
RT: 3.14 min Scan# 337
Delta R.T. 0.00 min
Lab File: VX018517.D
Acq: 21 Sep 2020 17:21

Instrument :
MSVOA_X
ClientSampleId :
MDL02

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.9	98.3	182.5
98	60.7	42.0	78.0

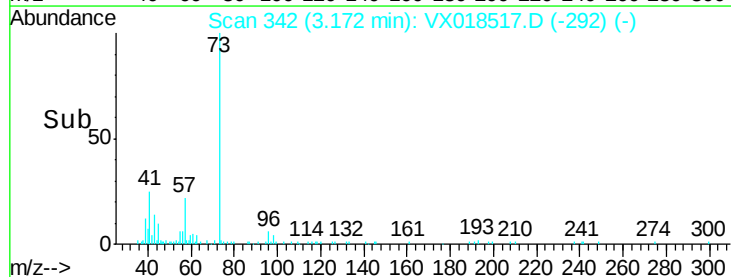
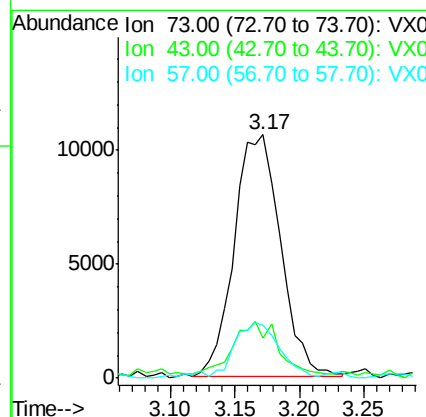
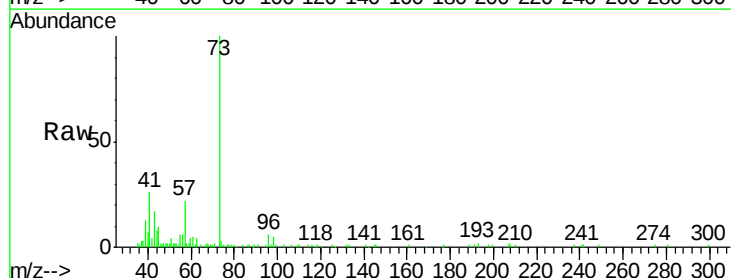
Manual Integrations
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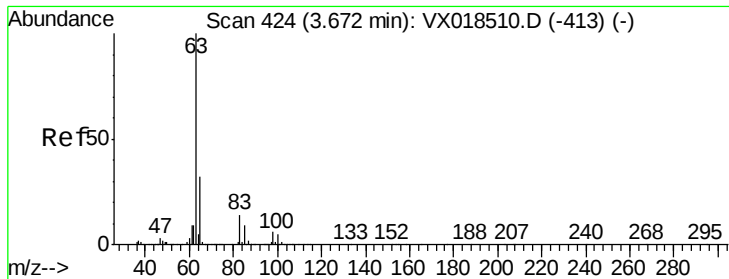
MMDadoda
10/6/2020 1:13:20 PM



#18
Methyl tert-butyl Ether
Concen: 2.028 ug/L
RT: 3.17 min Scan# 342
Delta R.T. 0.01 min
Lab File: VX018517.D
Acq: 21 Sep 2020 17:21

Tgt Ion	Ratio	Lower	Upper
73	100		
43	14.1	17.8	26.6#
57	21.5	17.1	25.7





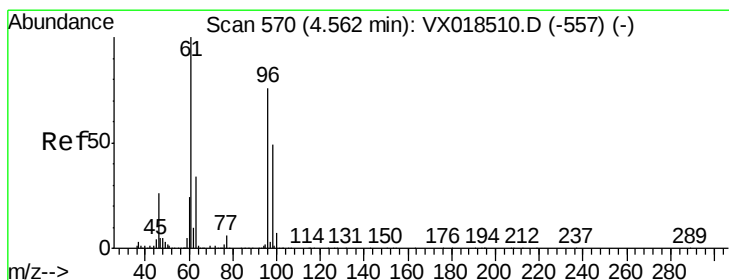
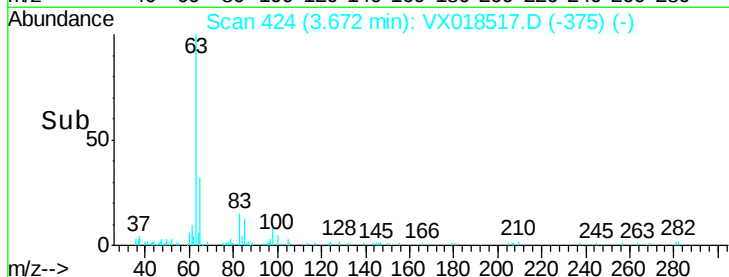
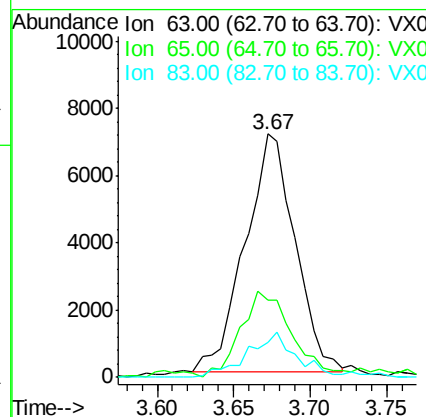
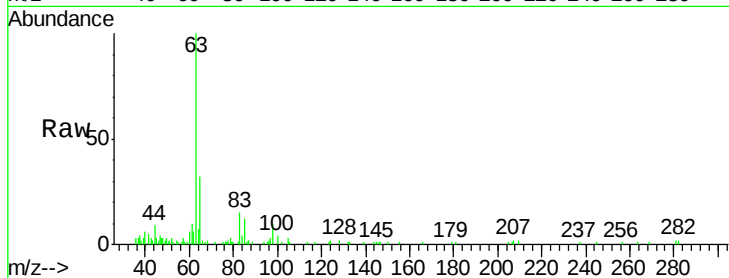
#19
1,1-Dichloroethane
Concen: 2.126 ug/L
RT: 3.67 min Scan# 424
Delta R.T. 0.00 min
Lab File: VX018517.D
Acq: 21 Sep 2020 17:21

Instrument :
MSVOA_X
ClientSampleId :
MDL02

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.8	22.5	41.7
83	14.6	9.7	17.9

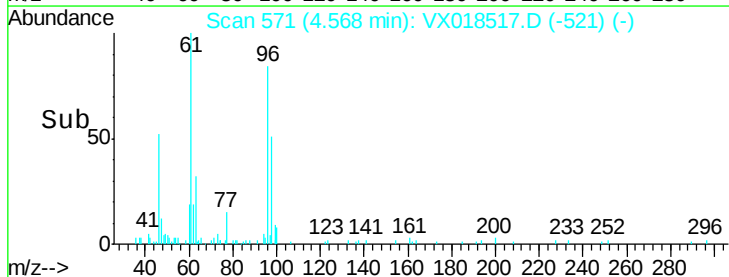
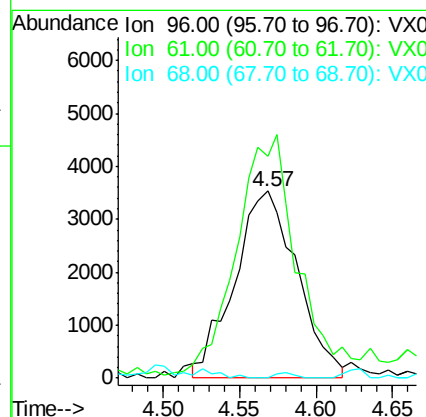
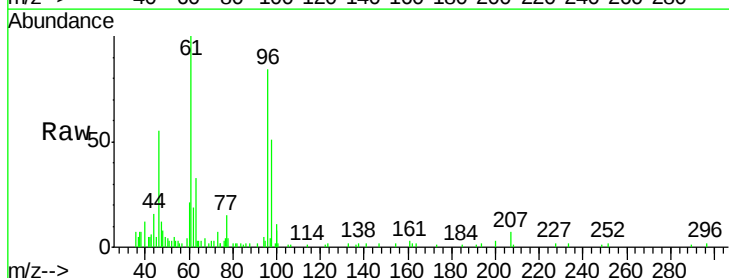
Manual Integrations
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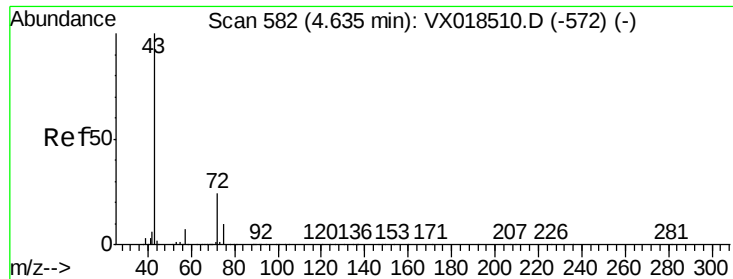
MMDadoda
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#20
cis-1,2-Dichloroethene
Concen: 2.248 ug/L
RT: 4.57 min Scan# 571
Delta R.T. 0.01 min
Lab File: VX018517.D
Acq: 21 Sep 2020 17:21

Tgt Ion	Ratio	Lower	Upper
96	100		
61	118.6	91.8	170.6
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 3.821 ug/L m

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX018517.D

Acq: 21 Sep 2020 17:21

Instrument :

MSVOA_X

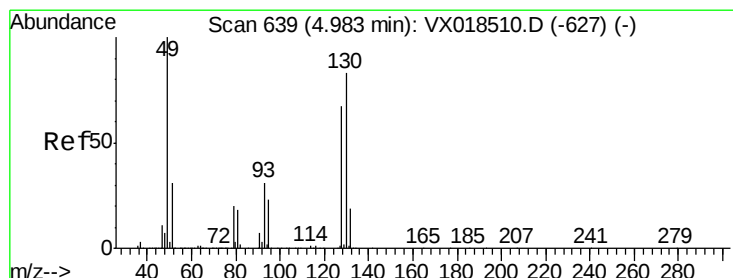
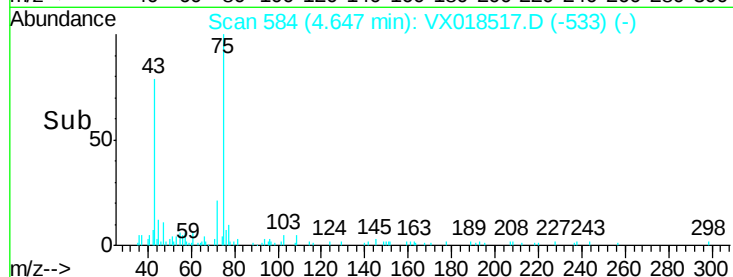
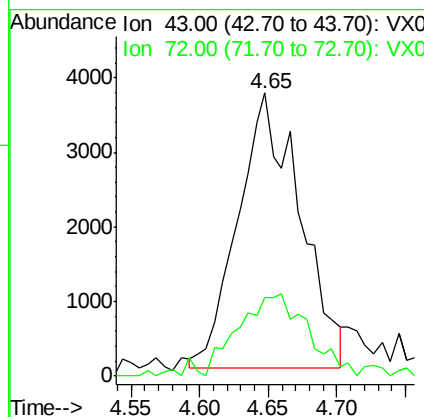
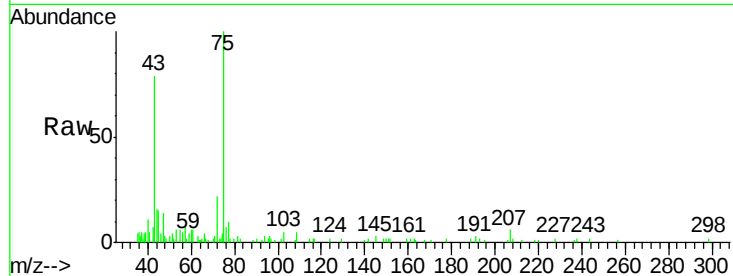
ClientSampleId :

MDL02

Tot Ion	Ratio	Lower	Upper
43	100		
72	0.3	12.9	38.6#

Manual Integrations
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#23

Bromochloromethane

Concen: 2.209 ug/L

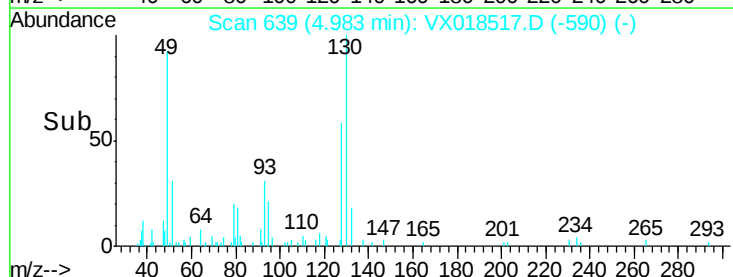
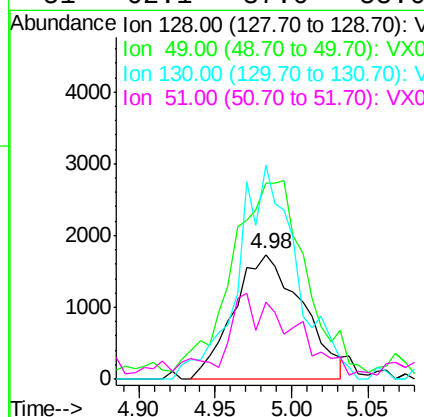
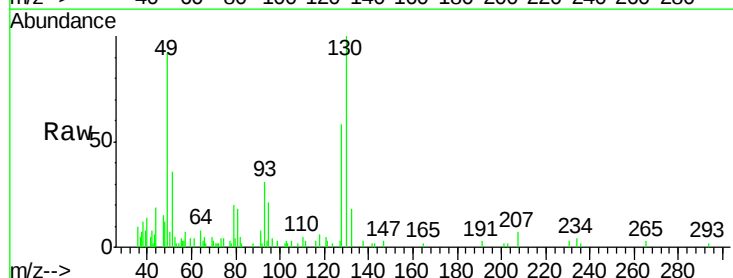
RT: 4.98 min Scan# 639

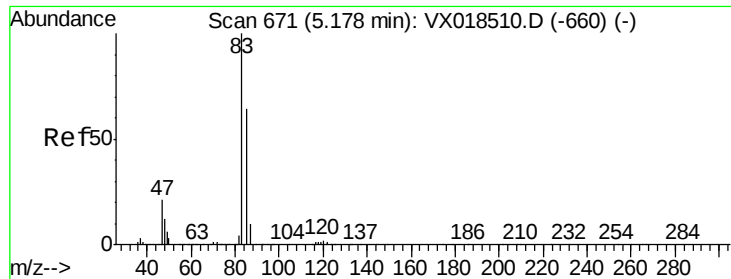
Delta R.T. 0.00 min

Lab File: VX018517.D

Acq: 21 Sep 2020 17:21

Tgt Ion	Ratio	Lower	Upper
128	100		
49	157.2	104.9	194.7
130	171.7	86.5	160.7#
51	62.1	37.0	55.6#





#25

Chloroform

Concen: 2.163 ug/L

RT: 5.18 min Scan# 671

Delta R.T. 0.00 min

Lab File: VX018517.D

Acq: 21 Sep 2020 17:21

Instrument :

MSVOA_X

ClientSampleId :

MDL02

Tot Ion: 83 Resp: 18343

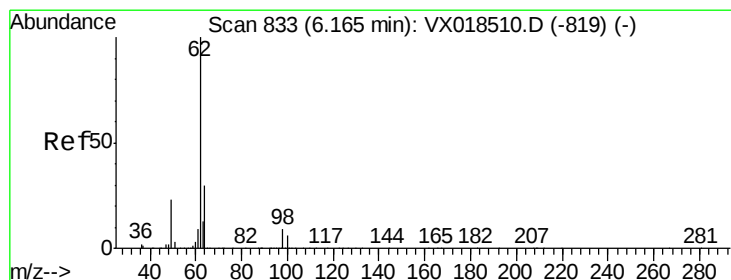
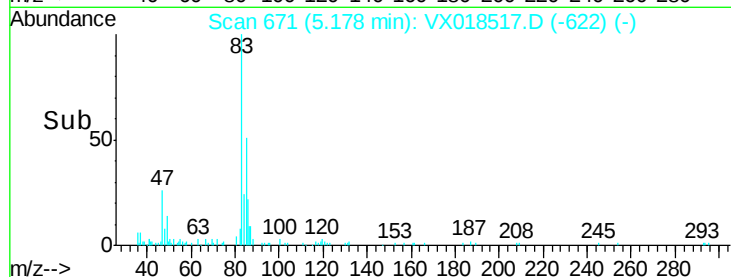
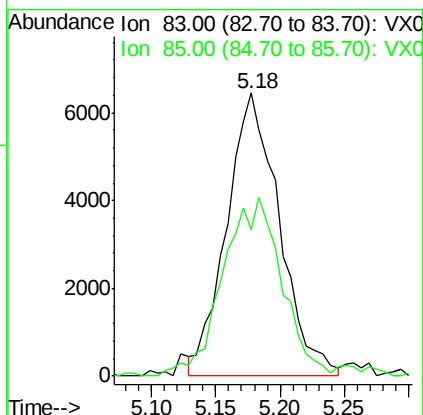
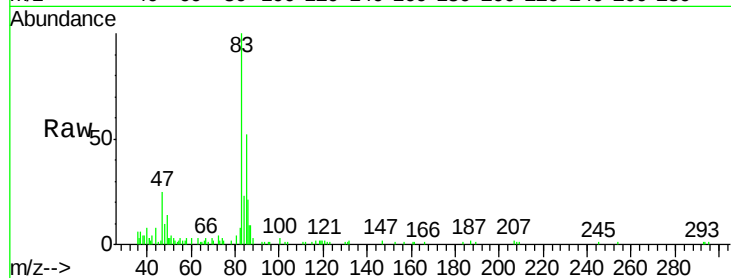
Ion Ratio Lower Upper

83 100

85 51.5 45.6 84.8

Manual Integrations
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#27

1,2-Dichloroethane

Concen: 2.254 ug/L

RT: 6.17 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX018517.D

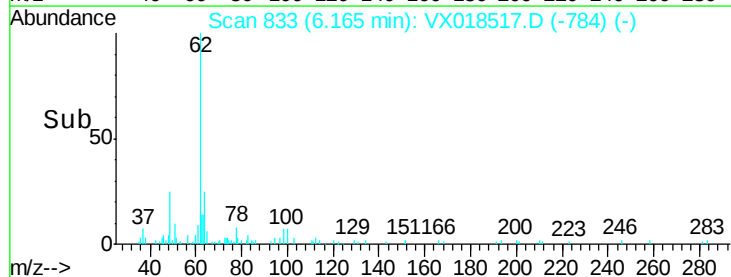
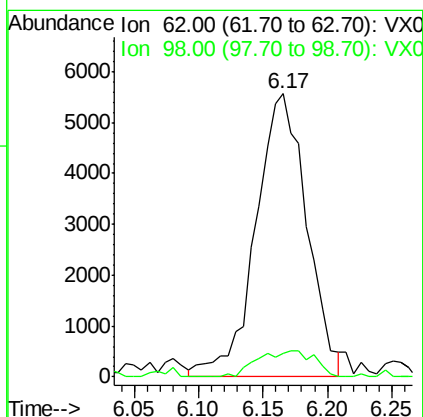
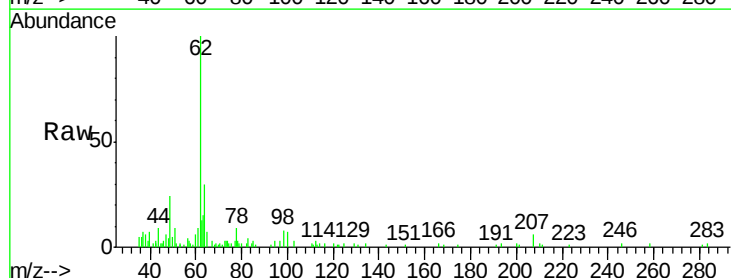
Acq: 21 Sep 2020 17:21

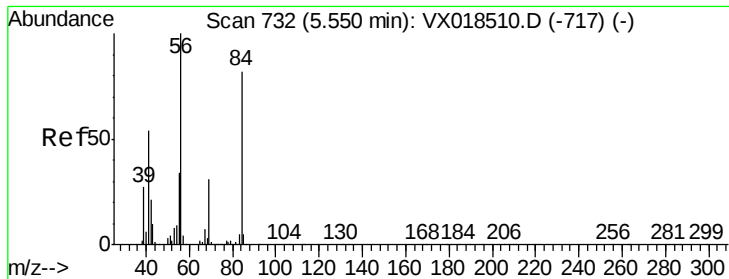
Tgt Ion: 62 Resp: 15299

Ion Ratio Lower Upper

62 100

98 8.1 6.7 10.1





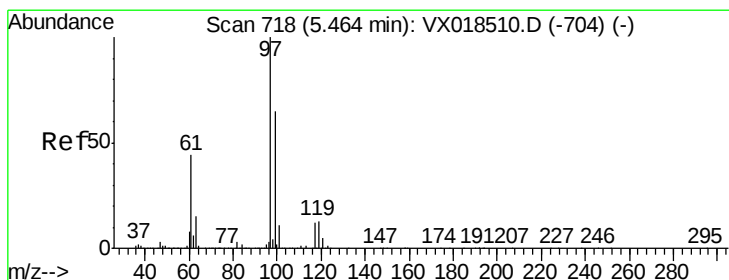
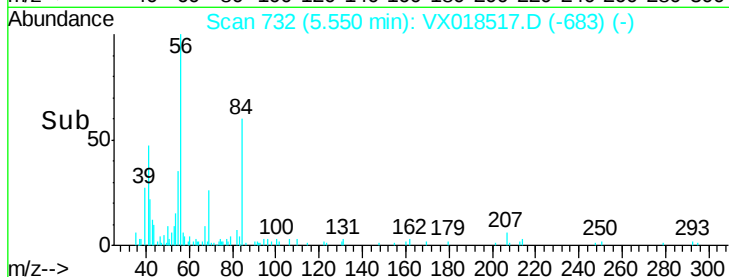
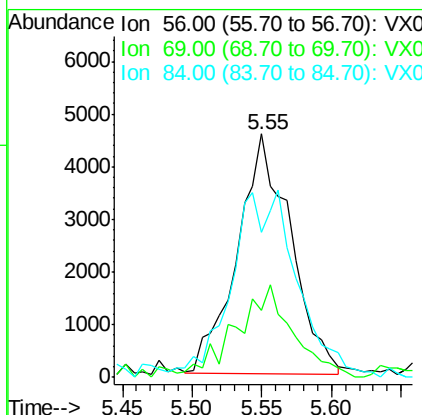
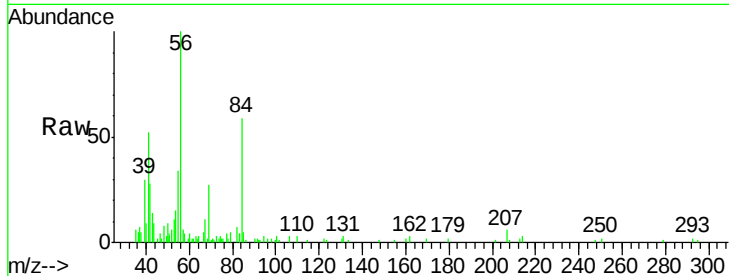
#29
Cyclohexane
Concen: 1.885 ug/L m
RT: 5.55 min Scan# 732
Delta R.T. 0.00 min
Lab File: VX018517.D
Acq: 21 Sep 2020 17:21

Instrument :
MSVOA_X
ClientSampleId :
MDL02

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.4	25.2	37.8
84	47.4	69.1	103.7#

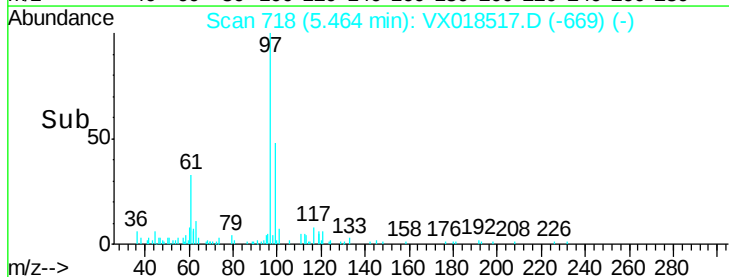
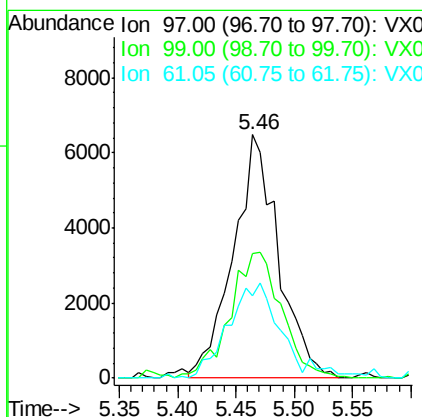
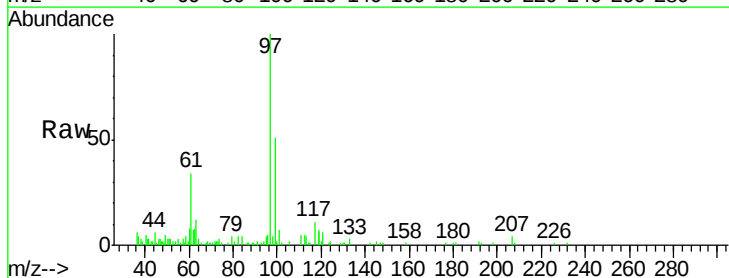
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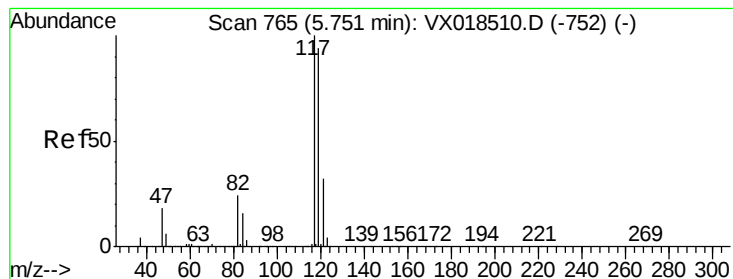
MMDadoda
10/6/2020 1:13:20 PM



#30
1,1,1-Trichloroethane
Concen: 2.218 ug/L
RT: 5.46 min Scan# 718
Delta R.T. 0.00 min
Lab File: VX018517.D
Acq: 21 Sep 2020 17:21

Tgt Ion	Ratio	Lower	Upper
97	100		
99	54.3	51.9	77.9
61	42.6	34.4	51.6





#31

Carbon tetrachloride

Concen: 2.098 ug/L

RT: 5.76 min Scan# 766

Delta R.T. 0.01 min

Lab File: VX018517.D

Acq: 21 Sep 2020 17:21

Instrument :

MSVOA_X

ClientSampleId :

MDL02

Tot Ion:117 Resp: 14910

Ion Ratio Lower Upper

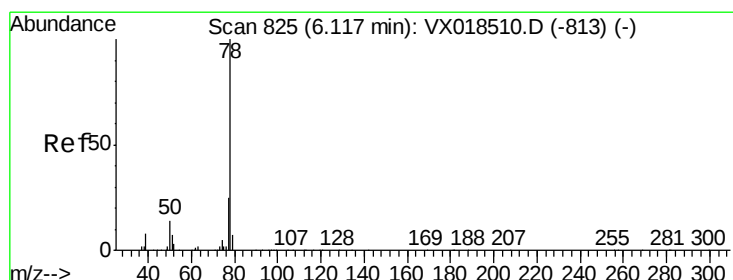
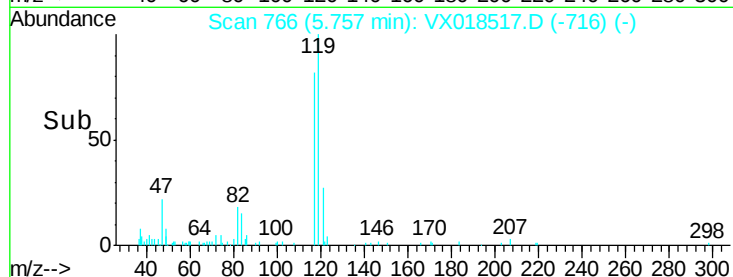
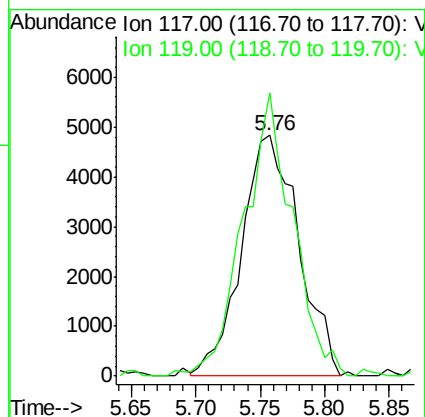
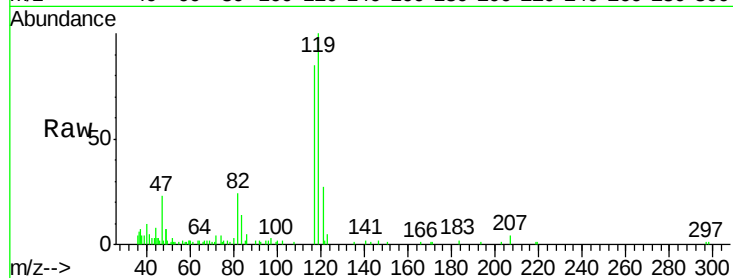
117 100

119 100.9 77.5 116.3

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#33

Benzene

Concen: 2.024 ug/L

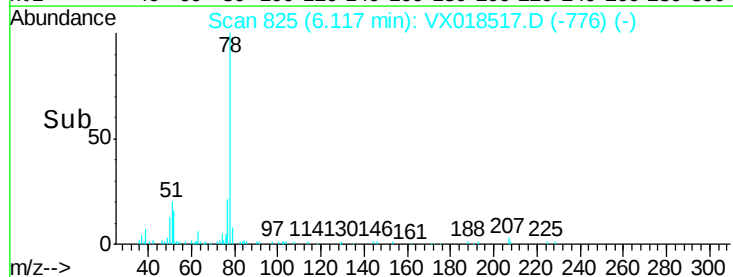
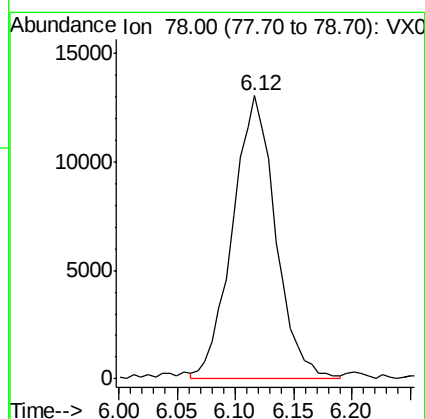
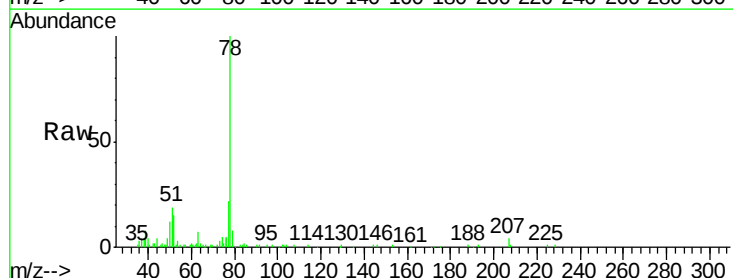
RT: 6.12 min Scan# 825

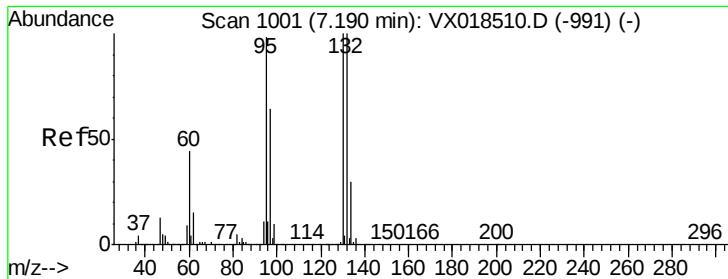
Delta R.T. 0.00 min

Lab File: VX018517.D

Acq: 21 Sep 2020 17:21

Tgt Ion: 78 Resp: 33253





#34

Trichloroethene

Concen: 2.218 ug/L

RT: 7.19 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VX018517.D

Acq: 21 Sep 2020 17:21

Instrument :

MSVOA_X

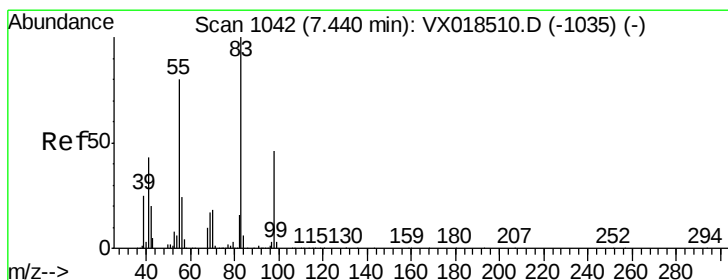
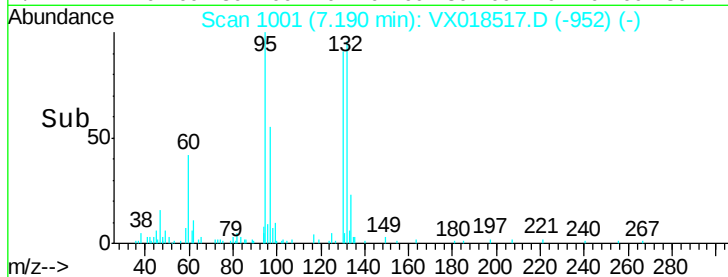
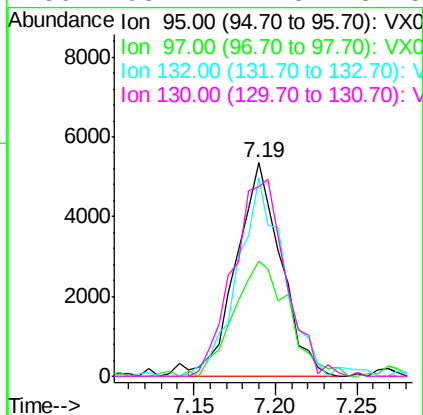
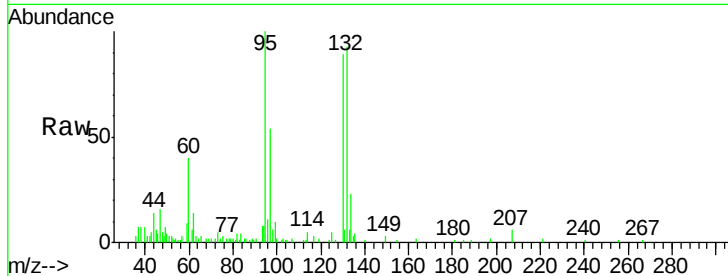
ClientSampled :

MDL02

Tot Ion	95	Resp	10166
Ion	Ratio	Lower	Upper
95	100		
97	53.9	46.0	85.4
132	92.8	71.7	133.1
130	95.2	71.3	132.5

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10/6/2020 1:13:20 PM



#35

Methylcyclohexane

Concen: 1.868 ug/L

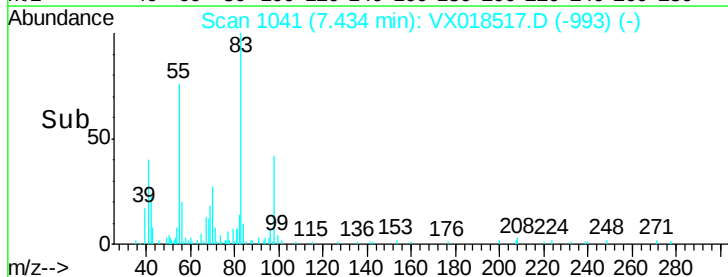
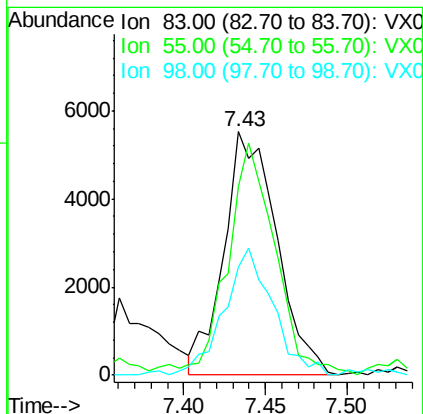
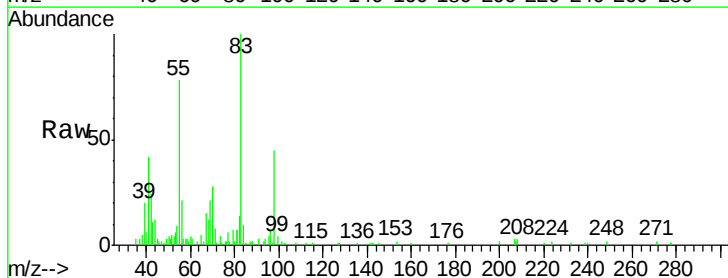
RT: 7.43 min Scan# 1041

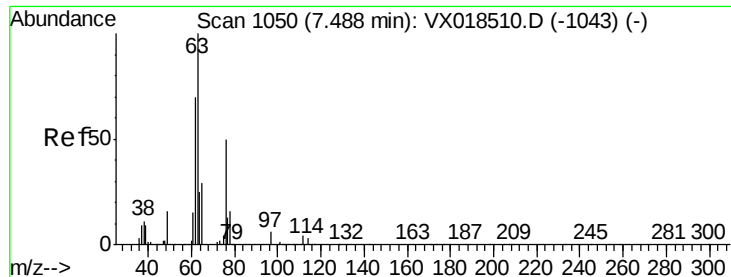
Delta R.T. -0.01 min

Lab File: VX018517.D

Acq: 21 Sep 2020 17:21

Tgt Ion	83	Resp	12445
Ion	Ratio	Lower	Upper
83	100		
55	85.2	61.6	92.4
98	48.1	37.0	55.4





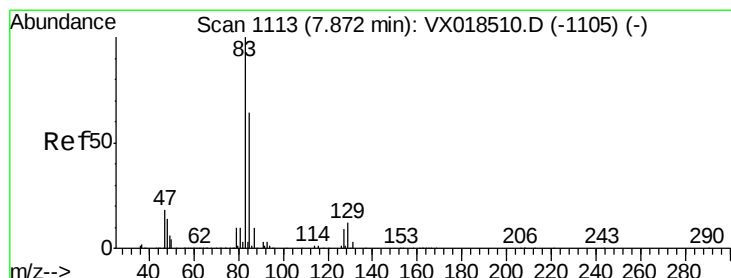
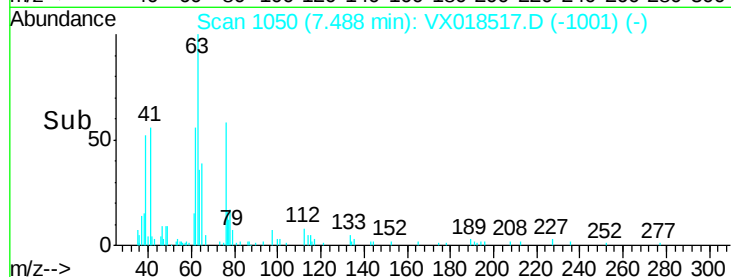
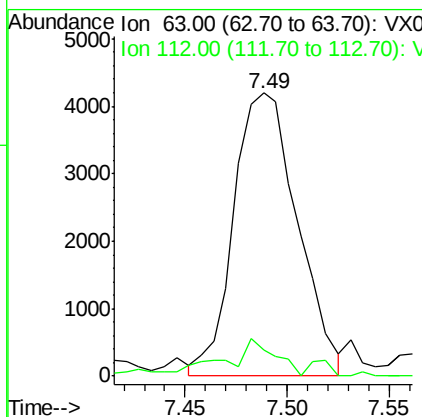
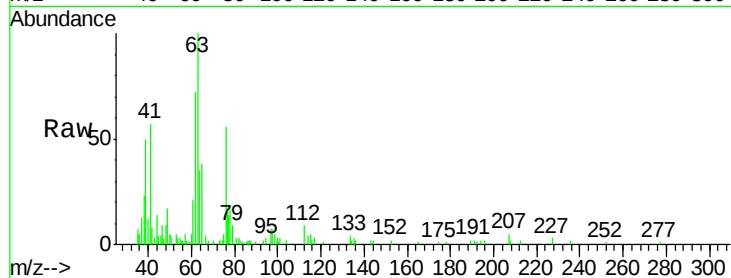
#37
 1,2-Dichloropropane
 Concen: 2.102 ug/L
 RT: 7.49 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VX018517.D
 Acq: 21 Sep 2020 17:21

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL02

Tot Ion	Ratio	Lower	Upper
63	100		
112	5.9	3.5	5.3#

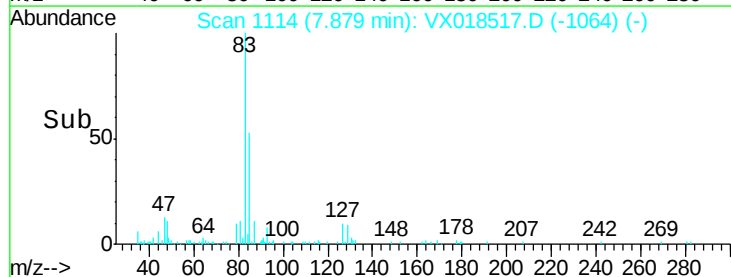
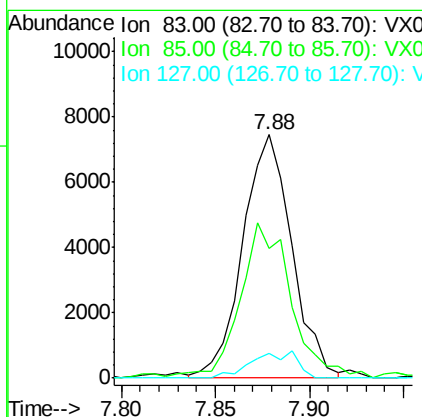
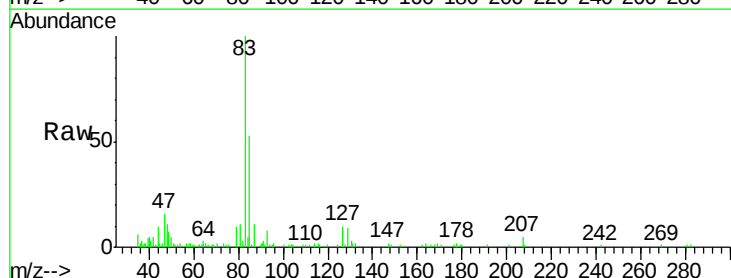
Manual Integrations
 APPROVED

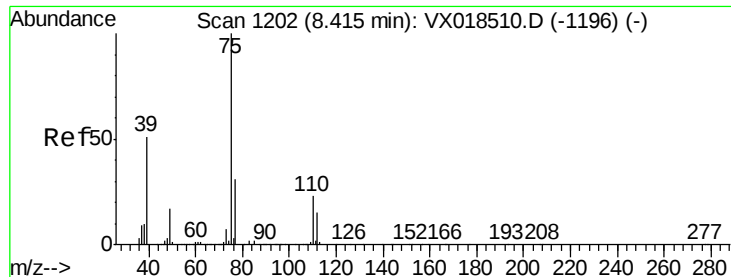
MMDadoda
 10/6/2020 1:13:20 PM



#38
 Bromodichloromethane
 Concen: 2.166 ug/L
 RT: 7.88 min Scan# 1114
 Delta R.T. 0.01 min
 Lab File: VX018517.D
 Acq: 21 Sep 2020 17:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	53.4	45.0	83.6
127	10.2	6.9	10.3





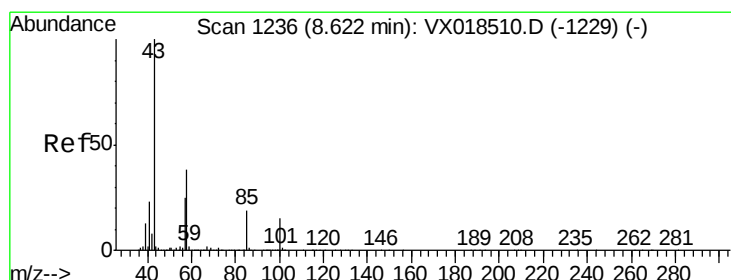
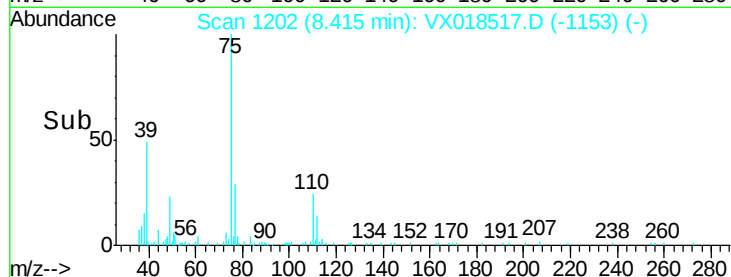
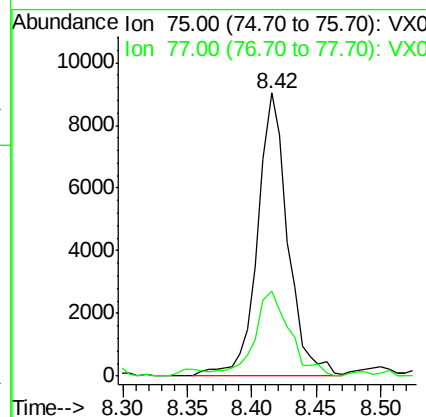
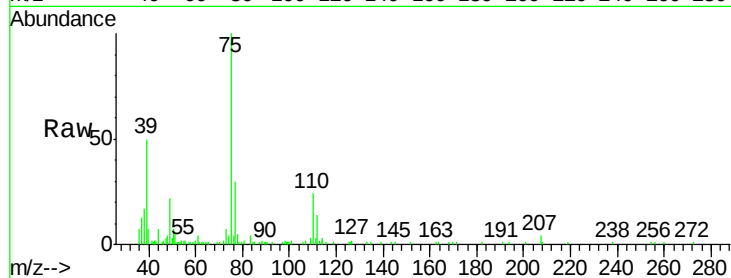
#39
 cis-1,3-Dichloropropene
 Concen: 2.104 ug/L
 RT: 8.42 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: VX018517.D
 Acq: 21 Sep 2020 17:21

Instrument :
 MSVOA_X
 ClientSampled :
 MDL02

Tot Ion	Ratio	Lower	Upper
75	100		
77	29.8	22.3	41.3

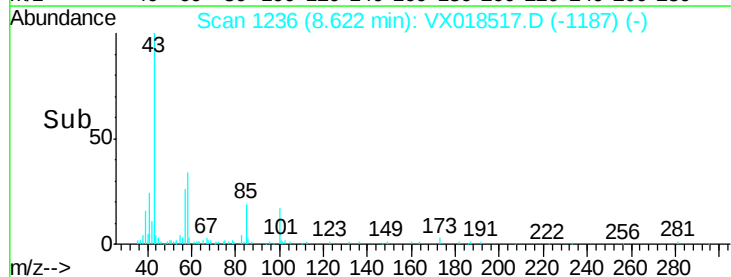
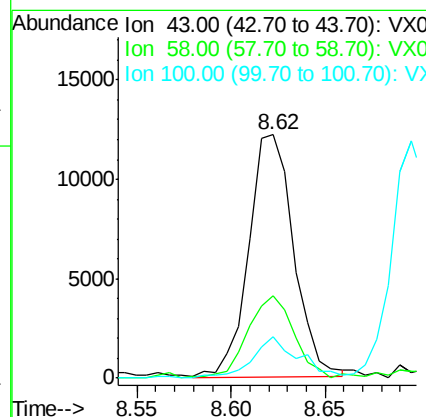
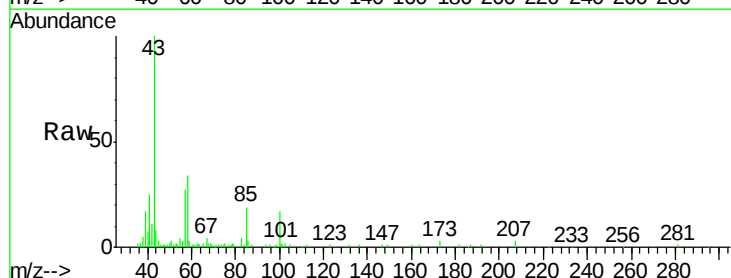
Manual Integrations
 APPROVED

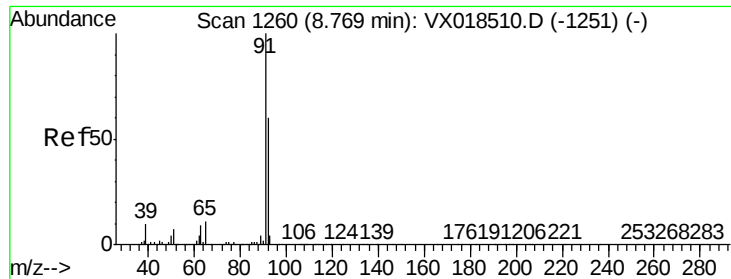
MMDadoda
 10/6/2020 1:13:20 PM



#40
 4-Methyl-2-pentanone
 Concen: 3.515 ug/L
 RT: 8.62 min Scan# 1236
 Delta R.T. 0.00 min
 Lab File: VX018517.D
 Acq: 21 Sep 2020 17:21

Tgt Ion	Ratio	Lower	Upper
43	100		
58	34.9	30.6	45.8
100	13.3	12.2	18.2





#42

Toluene

Concen: 1.992 ug/L

RT: 8.77 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VX018517.D

Acq: 21 Sep 2020 17:21

Instrument :

MSVOA_X

ClientSampled :

MDL02

Tot Ion: 91 Resp: 35155

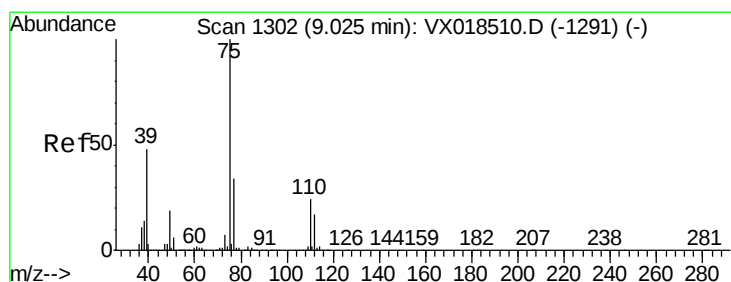
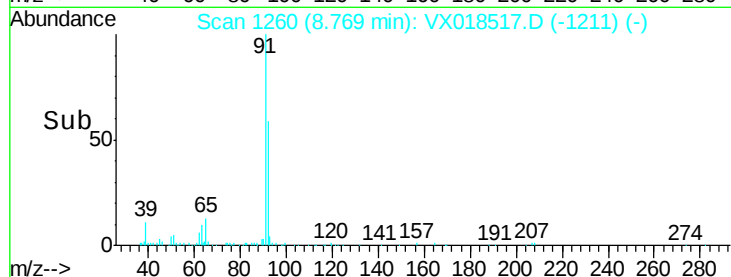
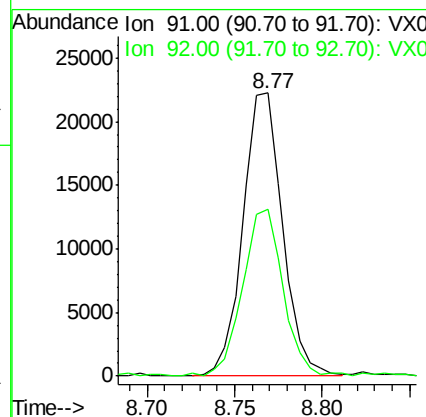
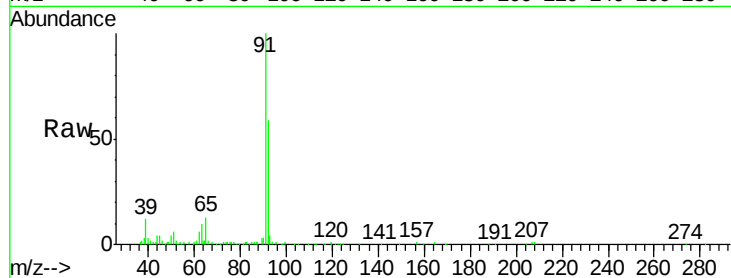
Ion Ratio Lower Upper

91 100

92 58.8 41.9 77.7

Manual Integrations
APPROVED

MMDadoda
10/6/2020 1:13:20 PM



#44

trans-1,3-Dichloropropene

Concen: 1.969 ug/L

RT: 9.02 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VX018517.D

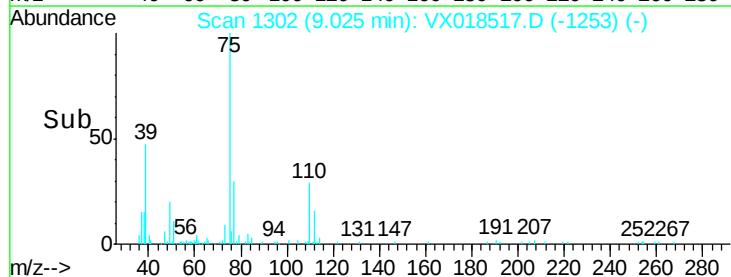
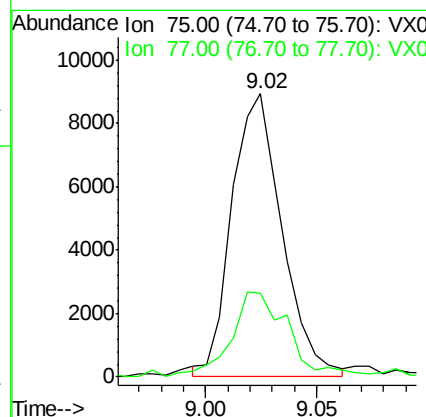
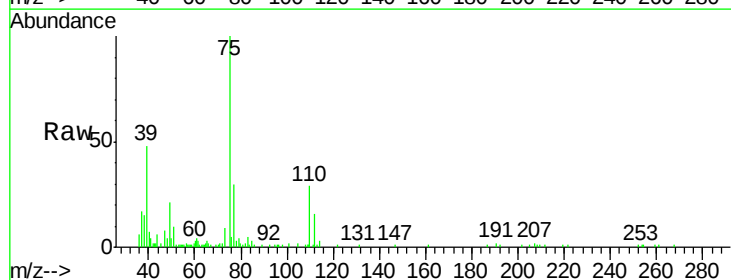
Acq: 21 Sep 2020 17:21

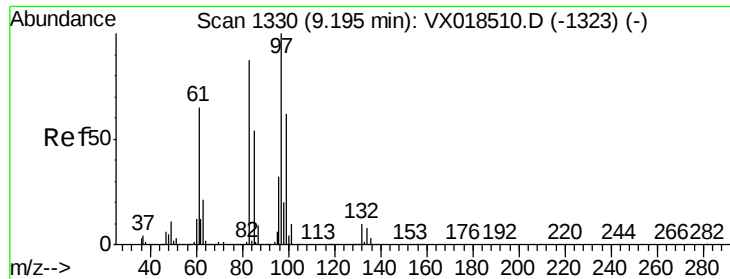
Tgt Ion: 75 Resp: 14022

Ion Ratio Lower Upper

75 100

77 29.7 23.6 43.8





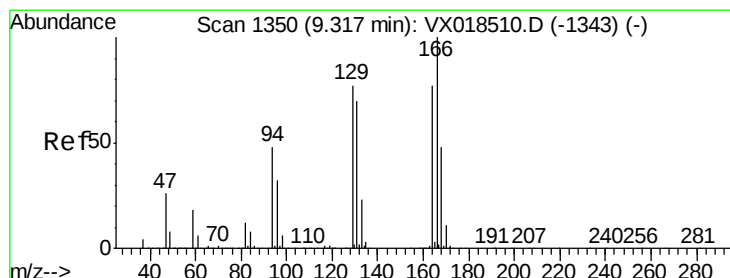
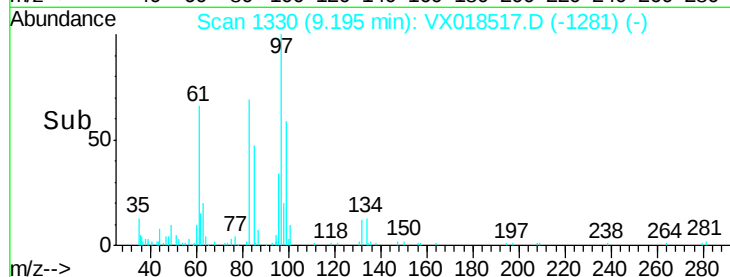
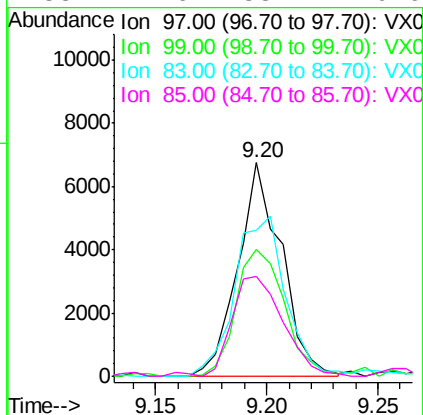
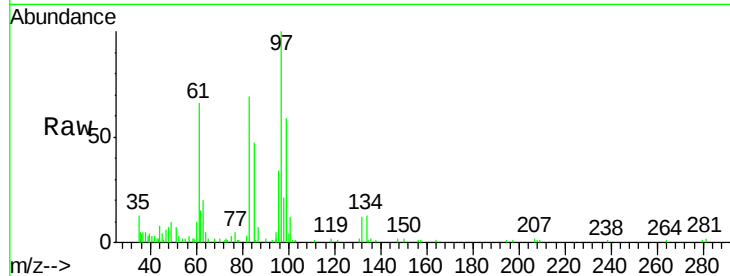
#45
1,1,2-Trichloroethane
Concen: 2.186 ug/L
RT: 9.20 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VX018517.D
Acq: 21 Sep 2020 17:21

Instrument :
MSVOA_X
ClientSampled :
MDL02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		9181		
99	59.3	43.5	80.9		
83	68.5	60.8	113.0		
85	47.6	38.1	70.9		

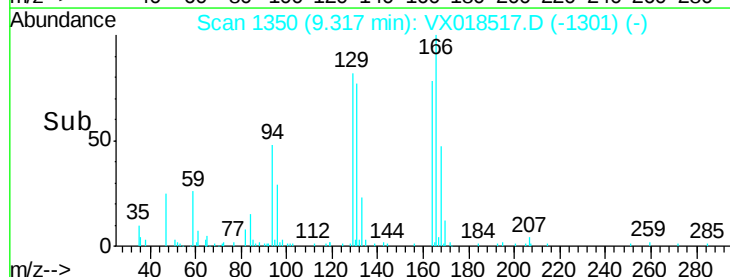
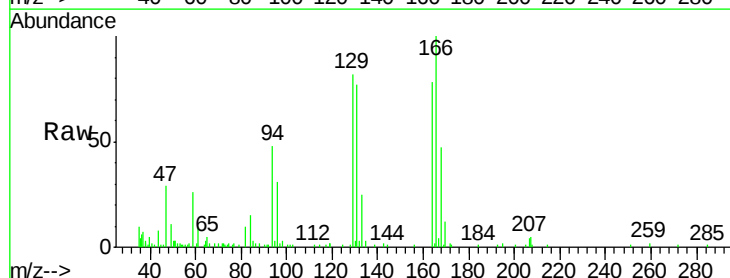
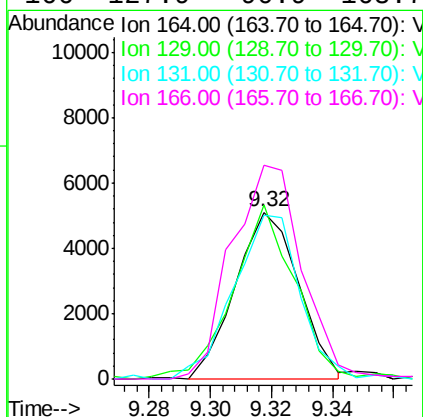
Manual Integrations
APPROVED

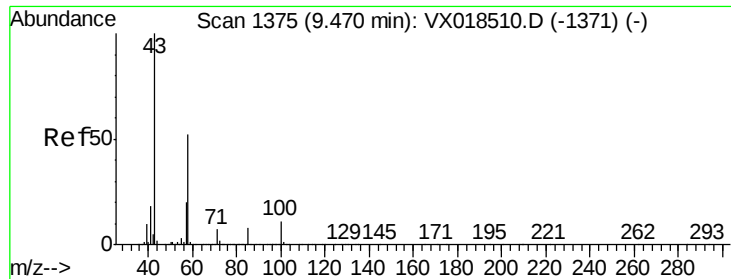
MMDadoda
10/6/2020 1:13:20 PM



#46
Tetrachloroethene
Concen: 1.948 ug/L
RT: 9.32 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VX018517.D
Acq: 21 Sep 2020 17:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
164	100		7347		
129	104.4	69.7	129.5		
131	98.4	63.4	117.8		
166	127.9	90.9	168.7		





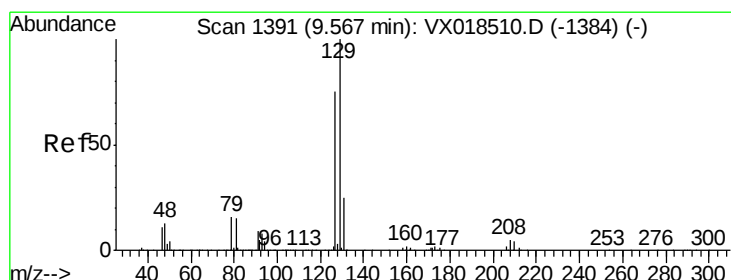
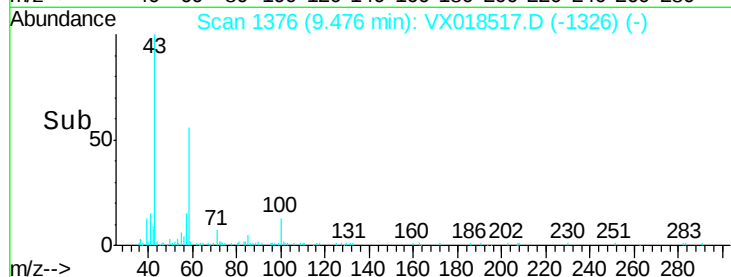
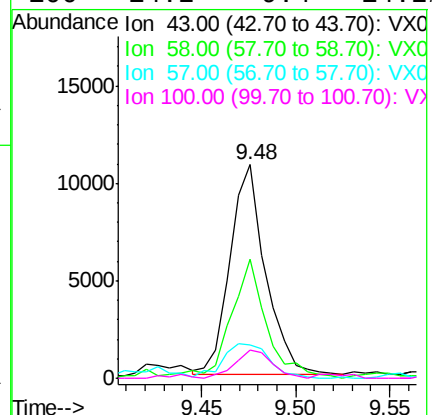
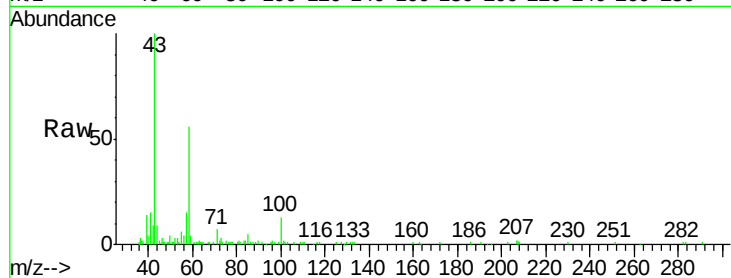
#48
2-Hexanone
Concen: 3.113 ug/L
RT: 9.48 min Scan# 1376
Delta R.T. 0.01 min
Lab File: VX018517.D
Acq: 21 Sep 2020 17:21

Instrument :
MSVOA_X
ClientSampleId :
MDL02

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
58	54.7	43.0	64.6	
57	21.3	15.6	23.4	
100	14.2	9.4	14.2	

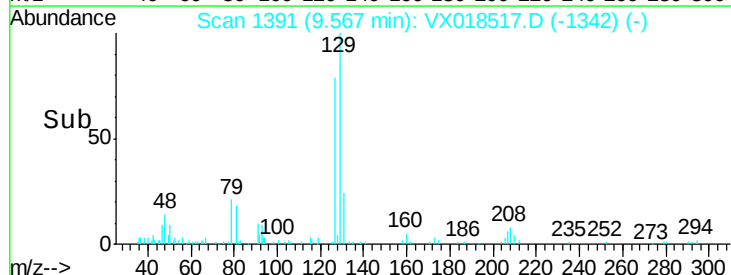
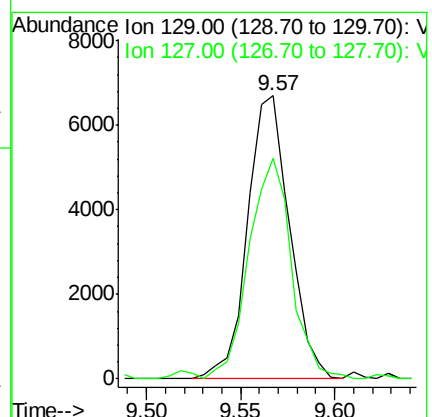
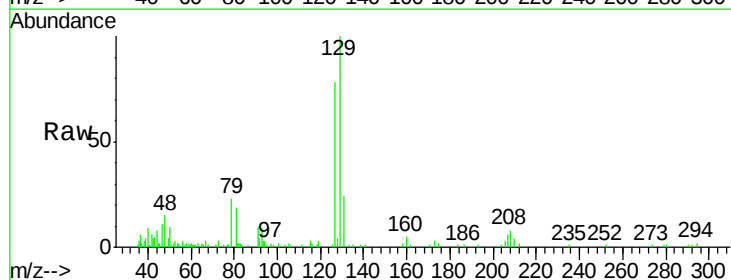
Manual Integrations
APPROVED

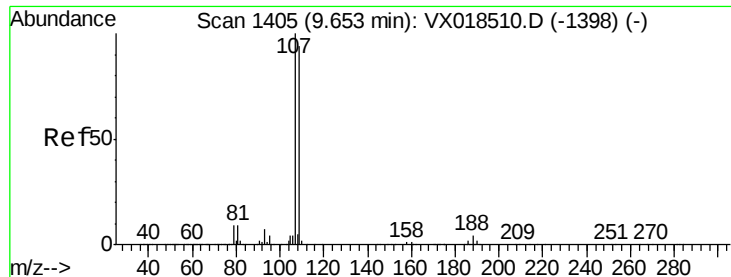
MMDadoda
10/6/2020 1:13:20 PM



#49
Dibromochloromethane
Concen: 1.955 ug/L
RT: 9.57 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VX018517.D
Acq: 21 Sep 2020 17:21

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	77.9	52.6	97.6	





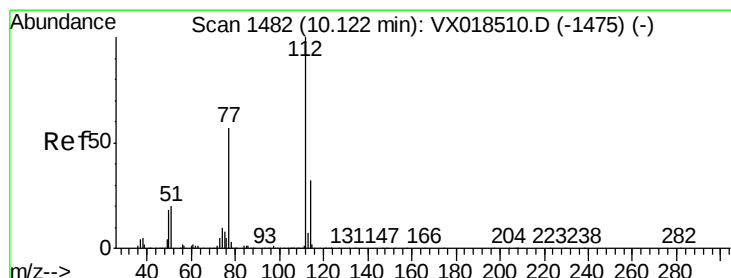
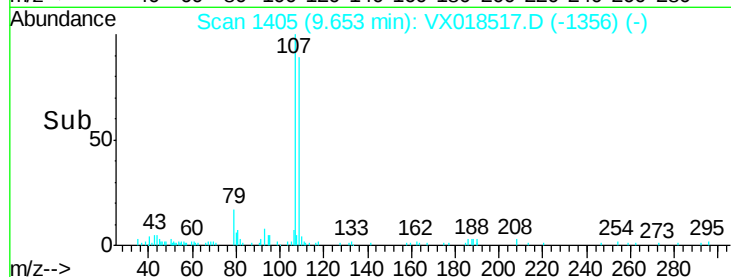
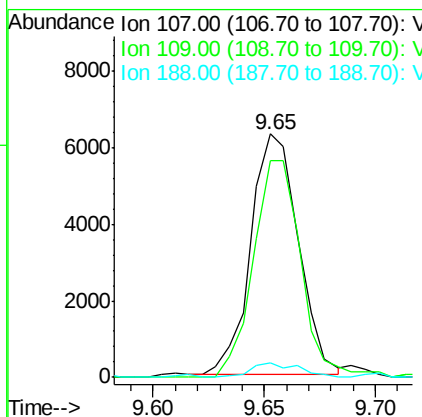
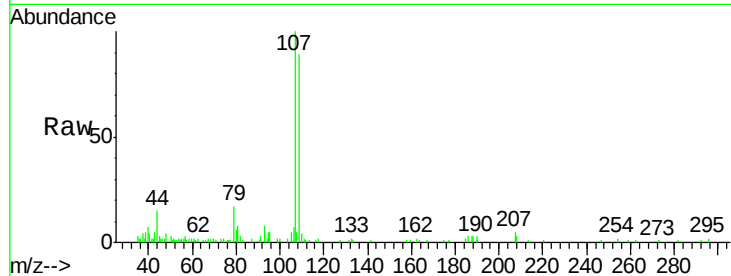
#50
1,2-Dibromoethane
Concen: 2.022 ug/L
RT: 9.65 min Scan# 1405
Delta R.T. 0.00 min
Lab File: VX018517.D
Acq: 21 Sep 2020 17:21

Instrument :
MSVOA_X
ClientSampleId :
MDL02

Tot Ion	Ratio	Resp	Lower	Upper
107	100	9338		
109	89.3	65.7	121.9	
188	5.7	3.0	4.4#	

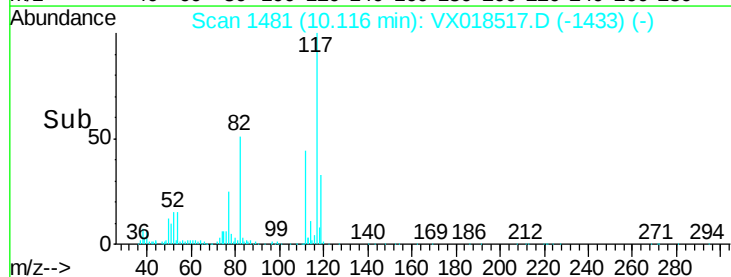
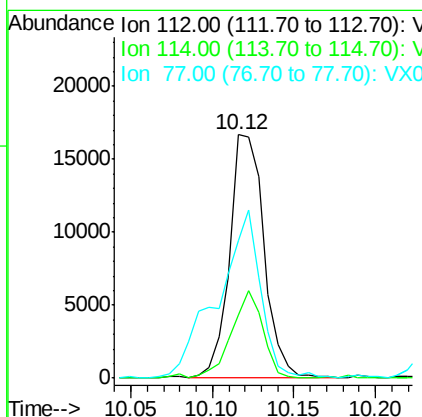
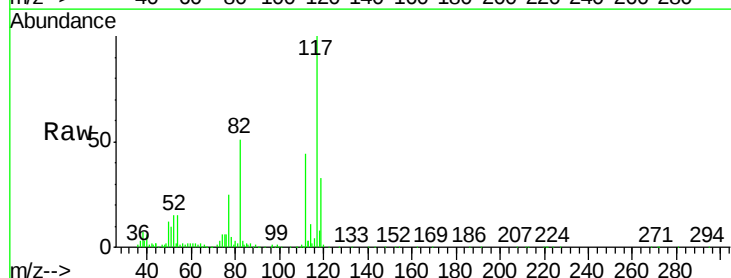
Manual Integrations
APPROVED

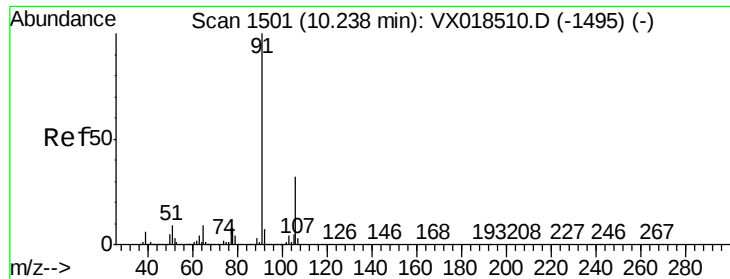
MMDadoda
10/6/2020 1:13:20 PM



#51
Chlorobenzene
Concen: 2.073 ug/L
RT: 10.12 min Scan# 1481
Delta R.T. -0.01 min
Lab File: VX018517.D
Acq: 21 Sep 2020 17:21

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	24572		
114	25.7	22.2	41.2	
77	56.2	46.1	69.1	





#52

Ethylbenzene

Concen: 1.903 ug/L

RT: 10.24 min Scan# 1501

Delta R.T. 0.00 min

Lab File: VX018517.D

Acq: 21 Sep 2020 17:21

Instrument :

MSVOA_X

ClientSampled :

MDL02

Tot Ion: 91 Resp: 37413

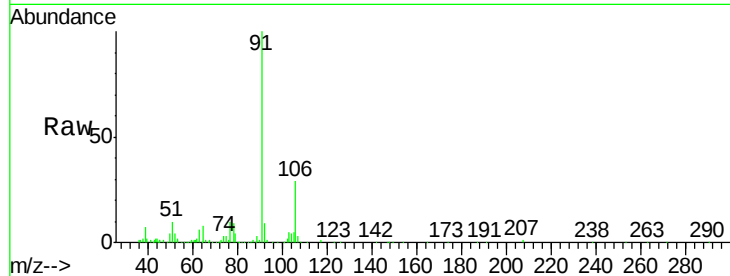
Ion Ratio Lower Upper

91 100

106 29.4 22.0 41.0

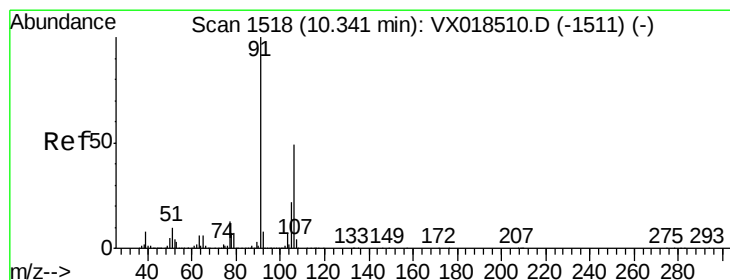
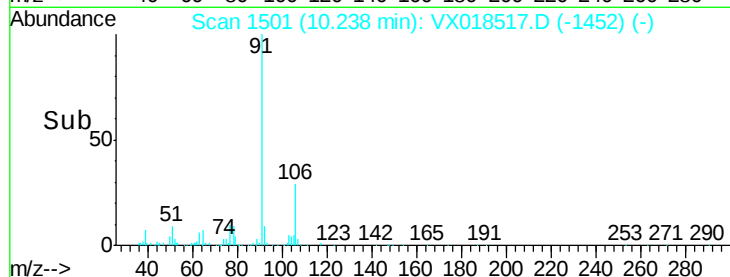
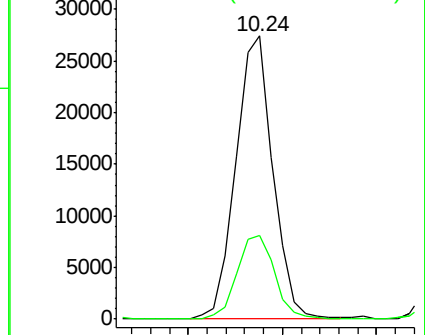
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#53

m,p-Xylene

Concen: 1.892 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX018517.D

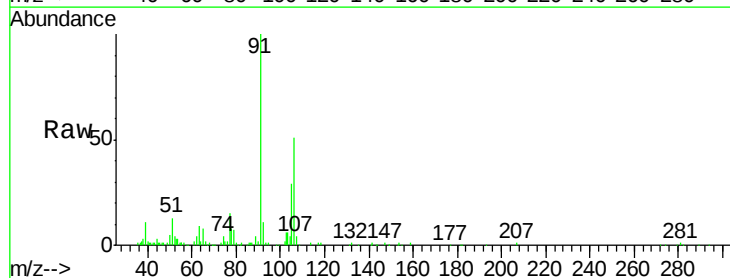
Acq: 21 Sep 2020 17:21

Tgt Ion: 106 Resp: 14170

Ion Ratio Lower Upper

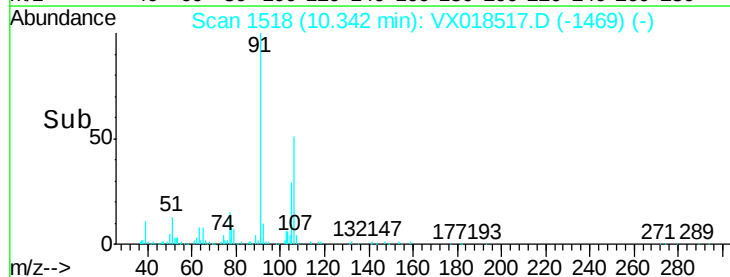
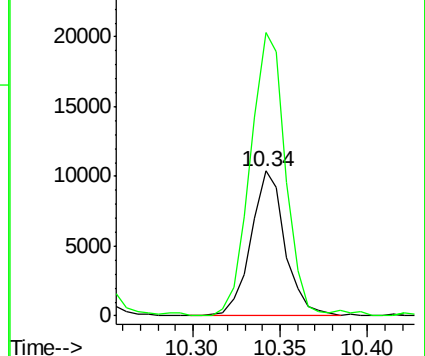
106 100

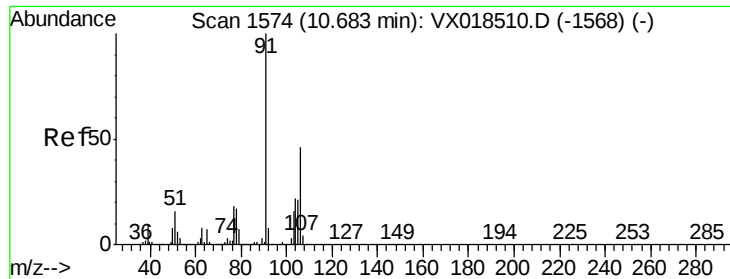
91 195.5 142.2 264.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





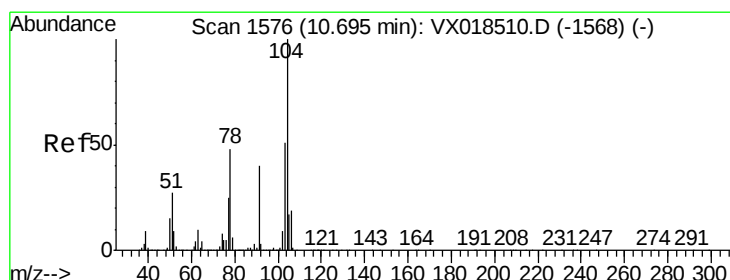
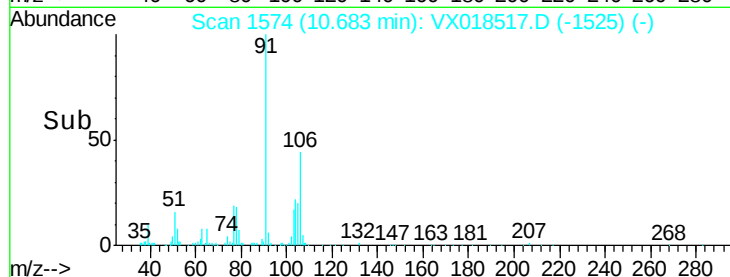
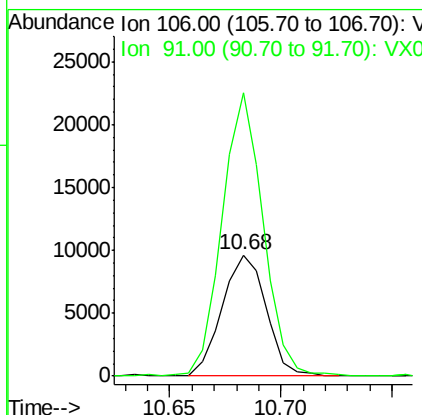
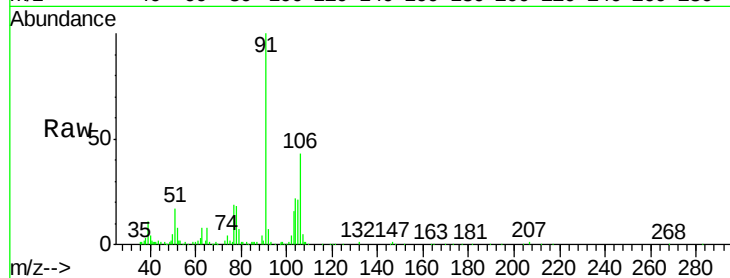
#54
o-Xylene
Concen: 1.841 ug/L
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX018517.D
Acq: 21 Sep 2020 17:21

Instrument :
MSVOA_X
ClientSampled :
MDL02

Tot Ion:106 Resp: 13275
Ion Ratio Lower Upper
106 100
91 233.3 152.2 282.6

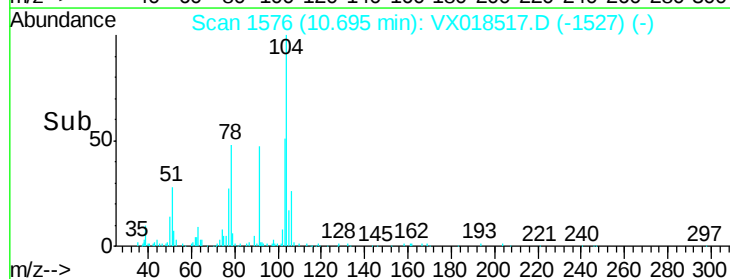
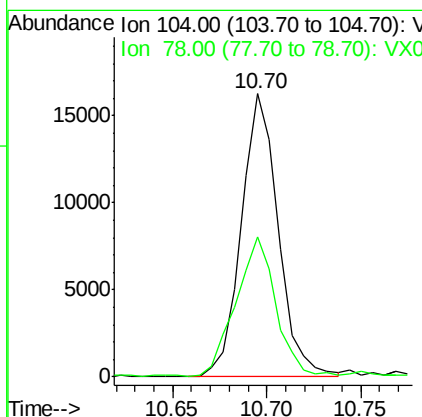
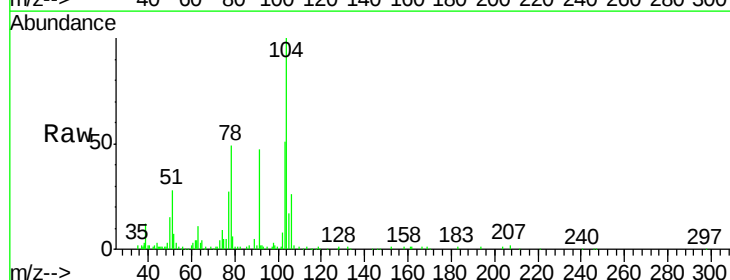
Manual Integrations
APPROVED

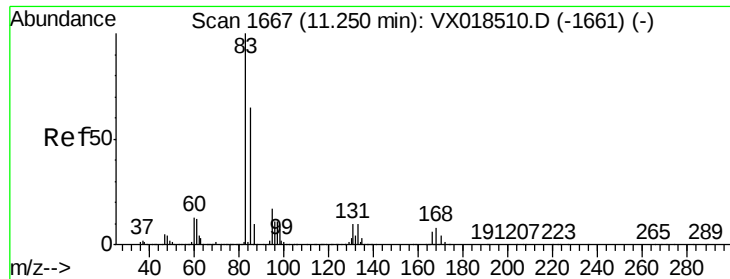
MMDadoda
10/6/2020 1:13:20 PM



#55
Styrene
Concen: 1.781 ug/L
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX018517.D
Acq: 21 Sep 2020 17:21

Tgt Ion:104 Resp: 22116
Ion Ratio Lower Upper
104 100
78 49.3 33.5 62.3





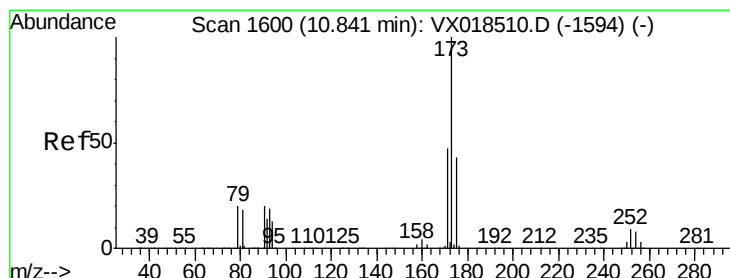
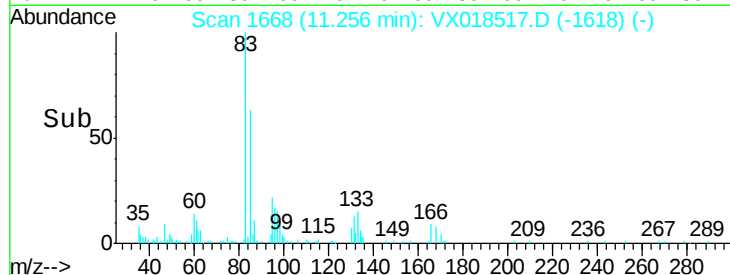
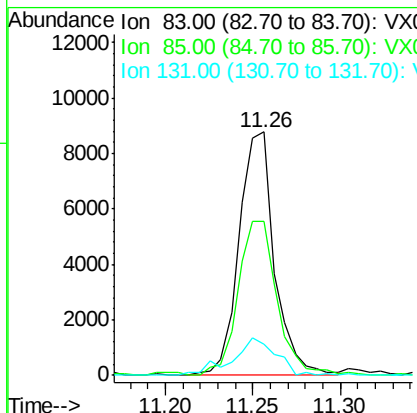
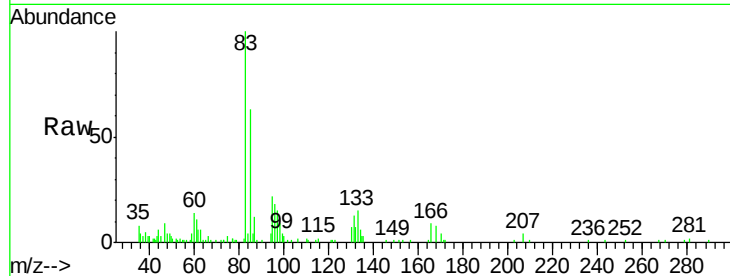
#57
 1,1,2,2-Tetrachloroethane
 Concen: 1.921 ug/L
 RT: 11.26 min Scan# 1668
 Delta R.T. 0.01 min
 Lab File: VX018517.D
 Acq: 21 Sep 2020 17:21

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL02

Tot Ion	Ratio	Resp	Lower	Upper
83	100	12343		
85	63.2	45.6	84.8	
131	12.8	8.0	12.0#	

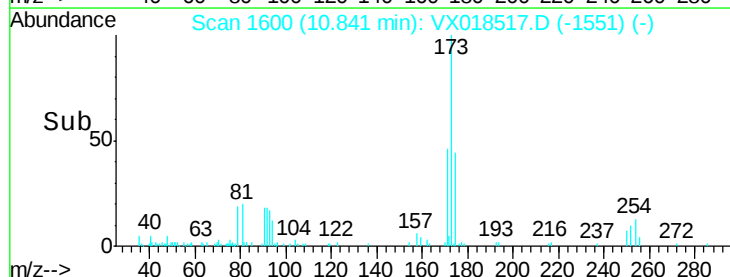
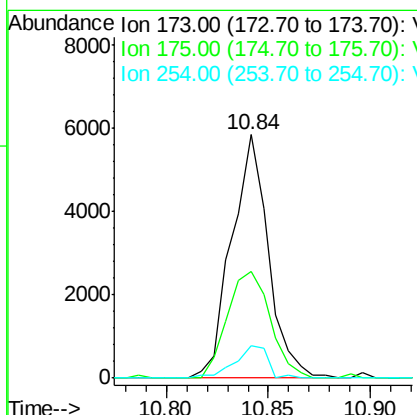
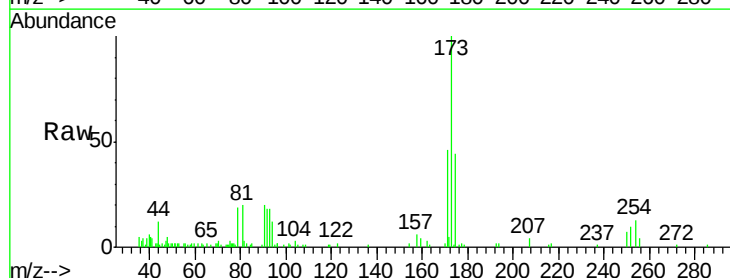
Manual Integrations
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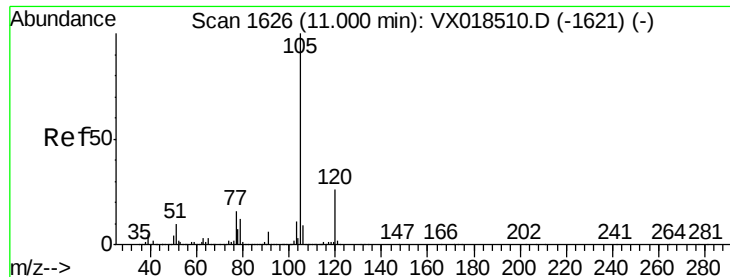
MMDadoda
 10/6/2020 1:13:20 PM



#59
 Bromoform
 Concen: 1.900 ug/L
 RT: 10.84 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VX018517.D
 Acq: 21 Sep 2020 17:21

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	7296		
175	51.3	37.7	56.5	
254	11.5	7.2	10.8#	





#60

Isopropylbenzene

Concen: 1.789 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX018517.D

Acq: 21 Sep 2020 17:21

Instrument :

MSVOA_X

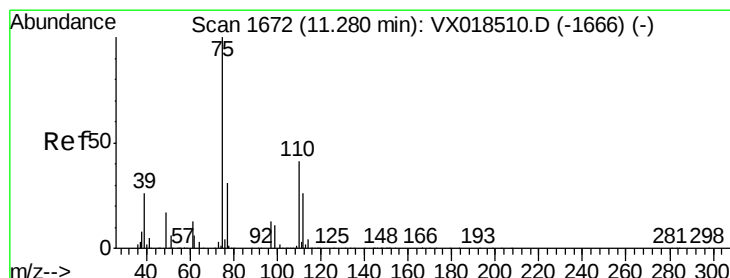
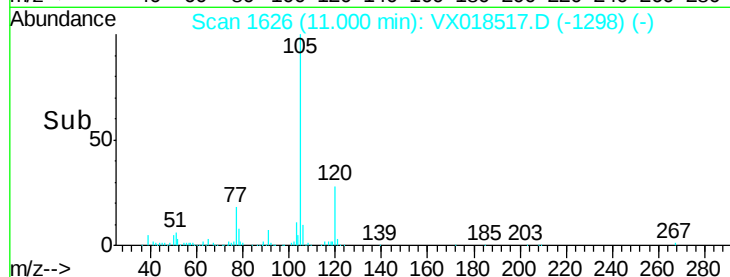
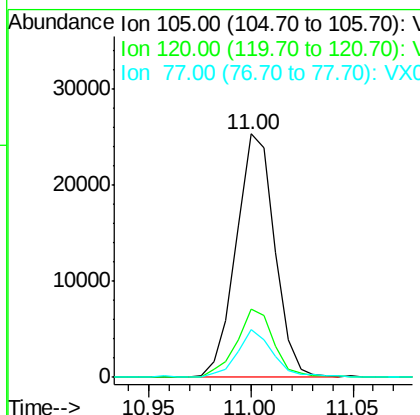
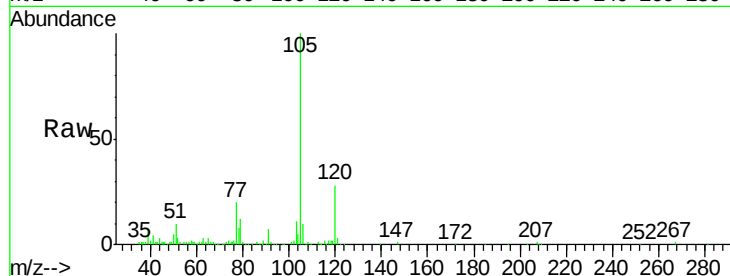
ClientSampleId :

MDL02

Tot Ion:	105	Resp:	33330
Ion Ratio	Lower	Upper	
105	100		
120	27.0	21.8	32.8
77	18.6	12.7	19.1

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#61

1,2,3-Trichloropropane

Concen: 2.191 ug/L

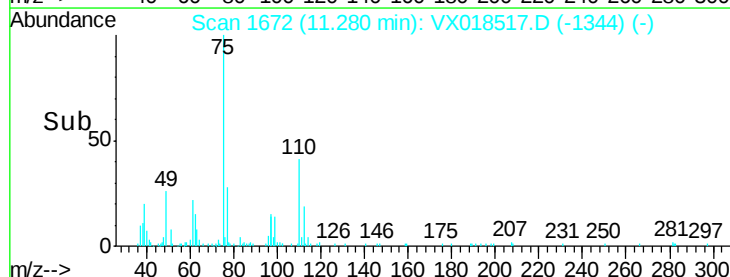
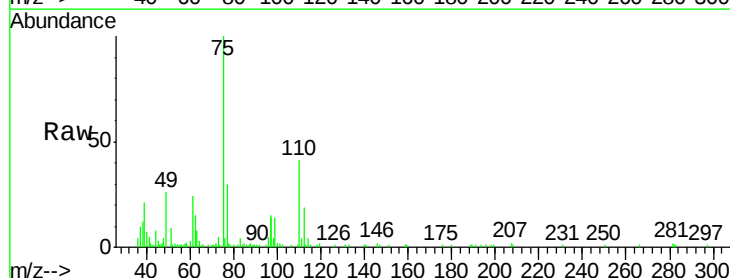
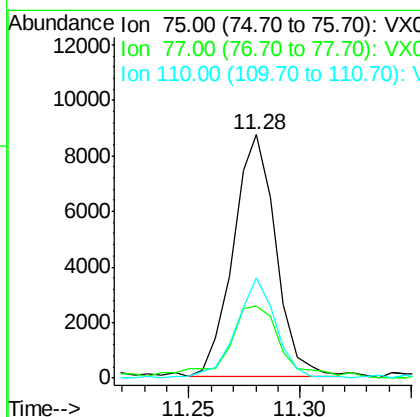
RT: 11.28 min Scan# 1672

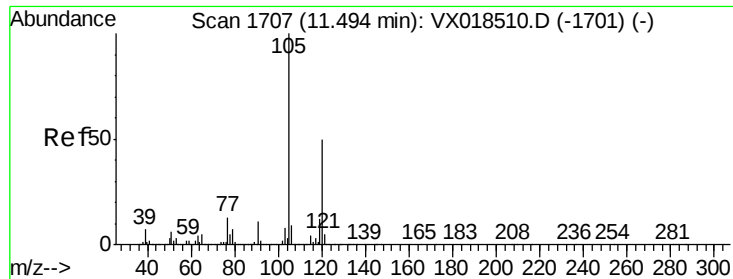
Delta R.T. 0.00 min

Lab File: VX018517.D

Acq: 21 Sep 2020 17:21

Tgt Ion:	75	Resp:	11514
Ion Ratio	Lower	Upper	
75	100		
77	33.7	26.0	39.0
110	39.2	32.4	48.6





#62

1,3,5-Trimethylbenzene

Concen: 1.699 ug/L

RT: 11.49 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX018517.D

Acq: 21 Sep 2020 17:21

Instrument :

MSVOA_X

ClientSampled :

MDL02

Tot Ion:105 Resp: 26131

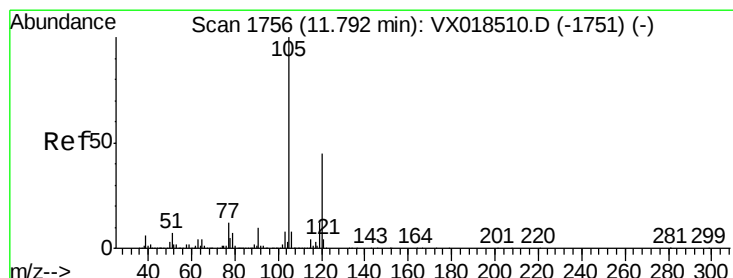
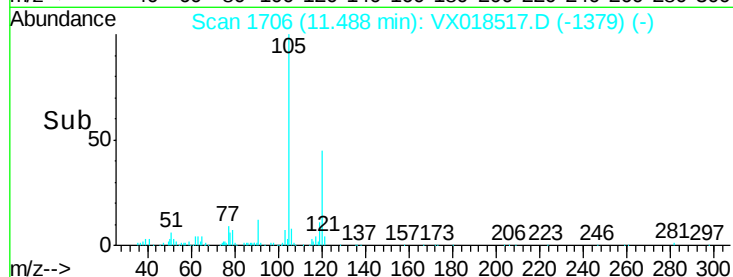
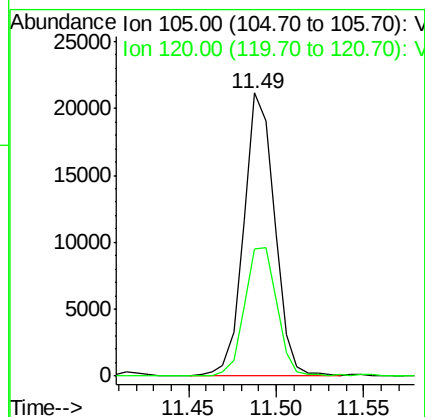
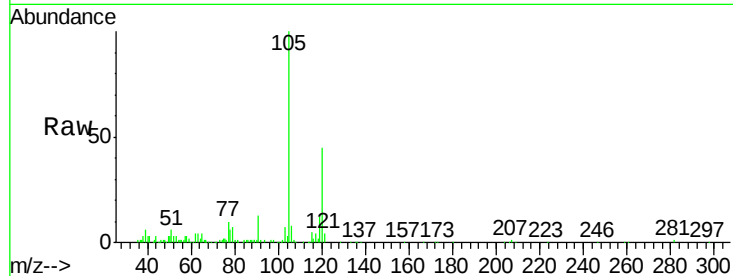
Ion Ratio Lower Upper

105 100

120 47.3 38.6 58.0

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#63

1,2,4-Trimethylbenzene

Concen: 1.613 ug/L

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX018517.D

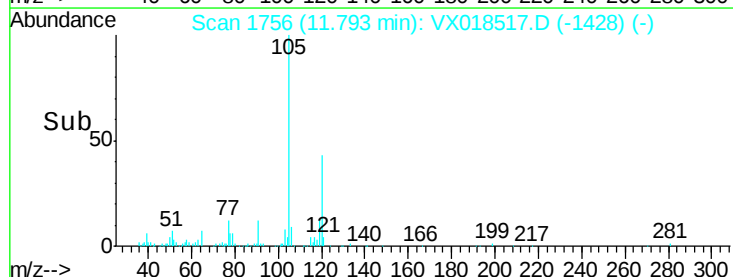
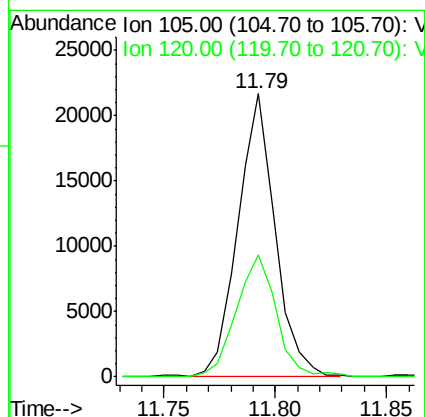
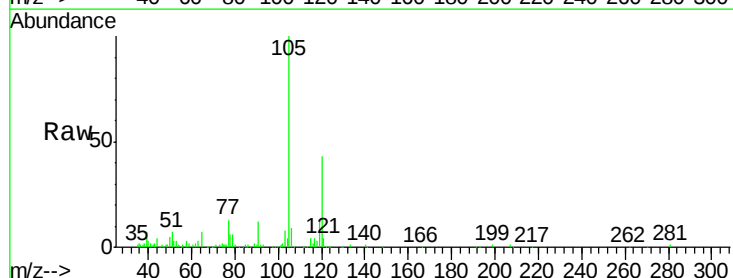
Acq: 21 Sep 2020 17:21

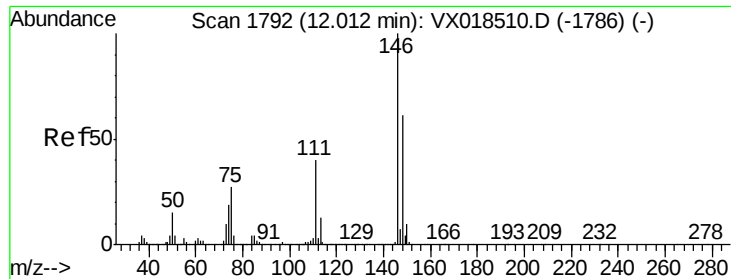
Tgt Ion:105 Resp: 25276

Ion Ratio Lower Upper

105 100

120 45.6 35.8 53.8





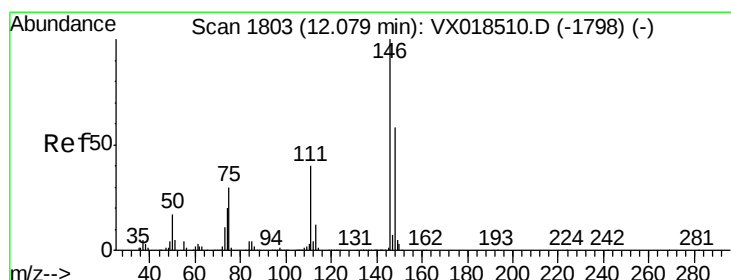
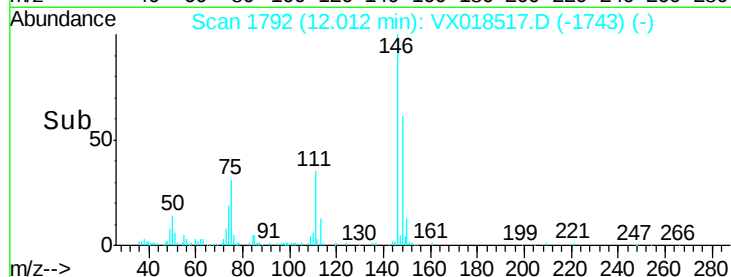
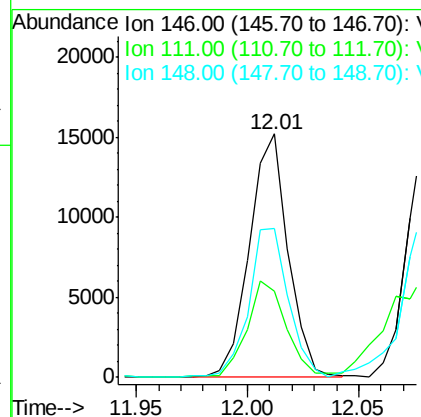
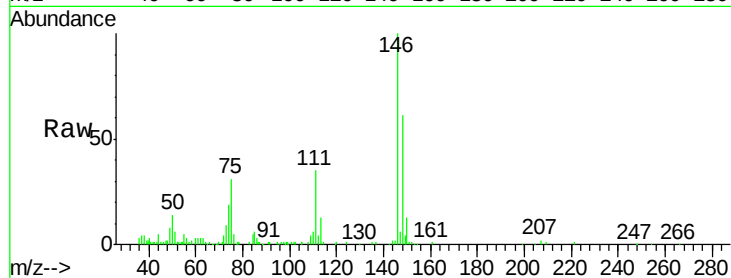
#64
 1,3-Dichlorobenzene
 Concen: 2.011 ug/L
 RT: 12.01 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX018517.D
 Acq: 21 Sep 2020 17:21

Instrument :
 MSVOA_X
 ClientSampled :
 MDL02

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.4	27.8	51.6
148	60.9	42.6	79.2

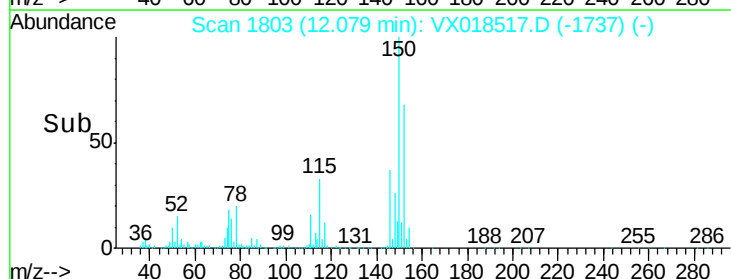
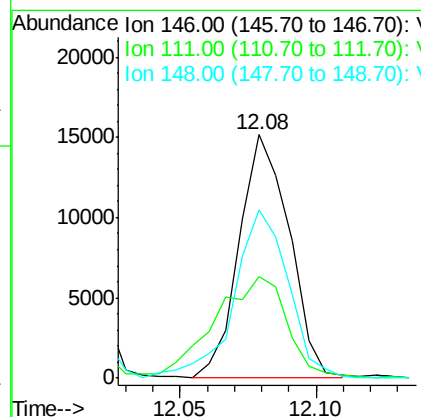
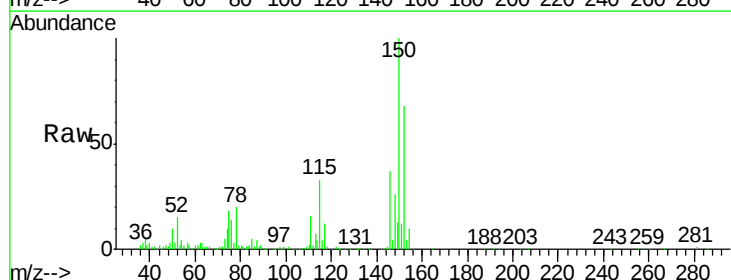
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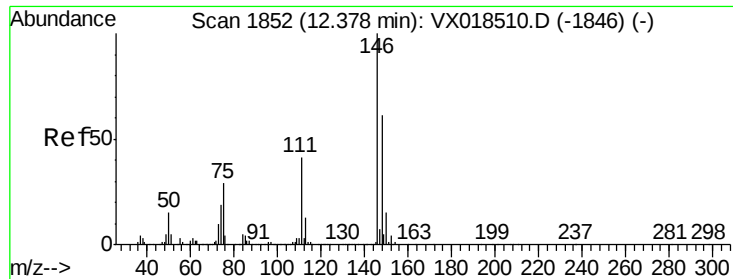
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#65
 1,4-Dichlorobenzene
 Concen: 2.083 ug/L
 RT: 12.08 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VX018517.D
 Acq: 21 Sep 2020 17:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.8	27.9	51.7
148	68.8	40.5	75.3





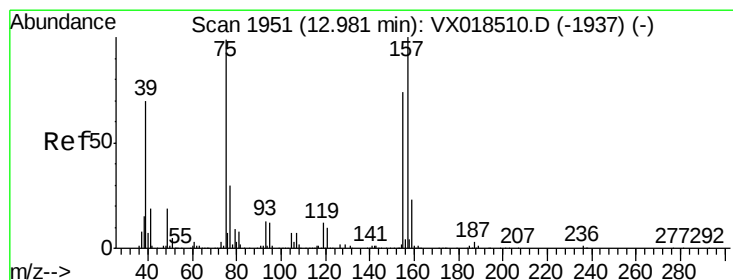
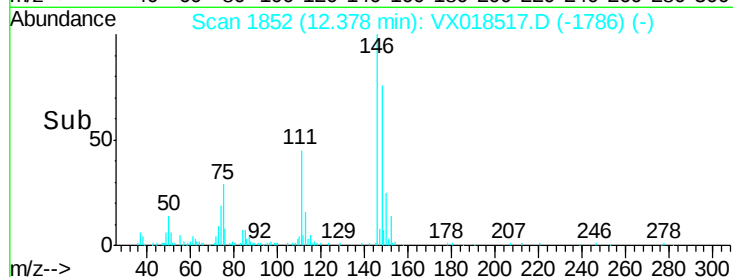
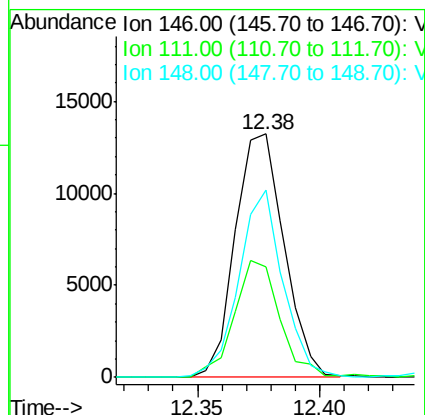
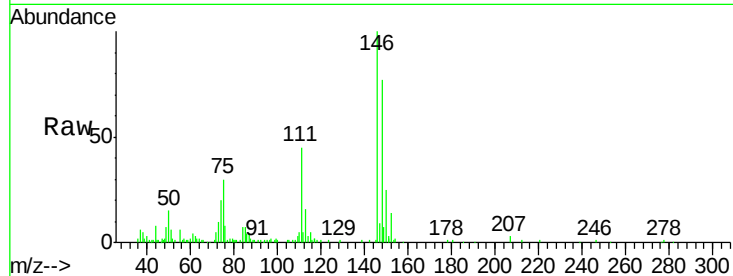
#67
 1,2-Dichlorobenzene
 Concen: 2.074 ug/L
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VX018517.D
 Acq: 21 Sep 2020 17:21

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL02

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.2	33.1	49.7
148	76.7	48.4	72.6

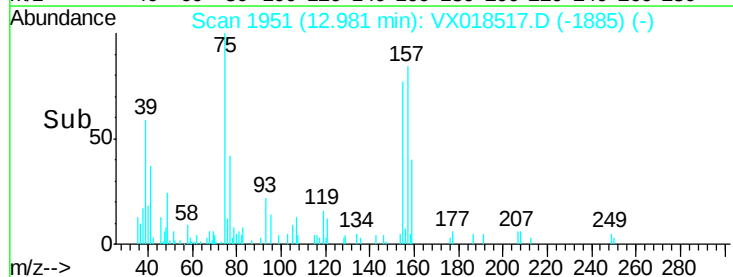
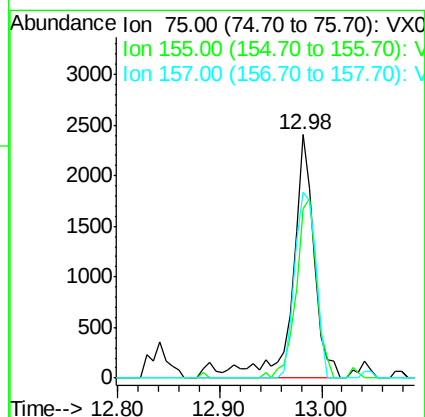
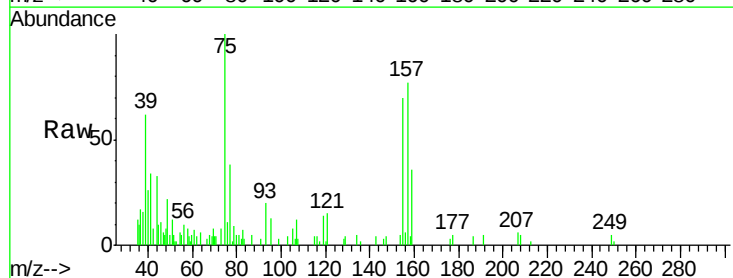
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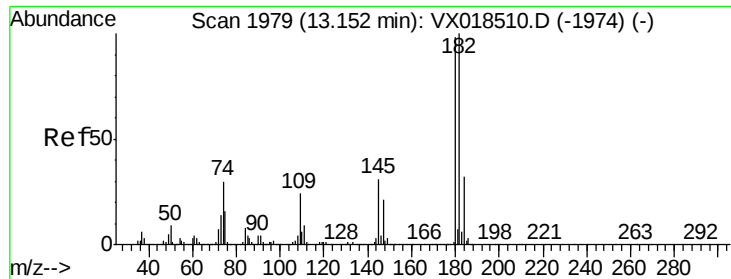
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#68
 1,2-Dibromo-3-chloropropane
 Concen: 2.375 ug/L
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX018517.D
 Acq: 21 Sep 2020 17:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	69.8	59.4	89.0
157	76.6	80.7	121.1





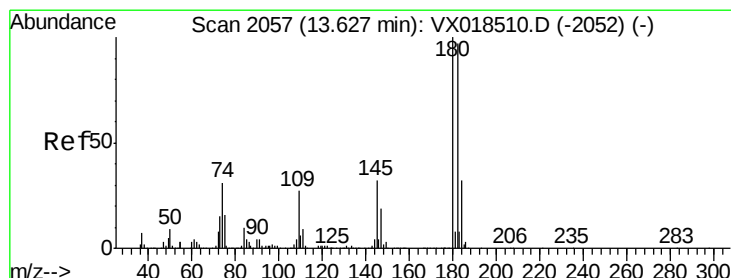
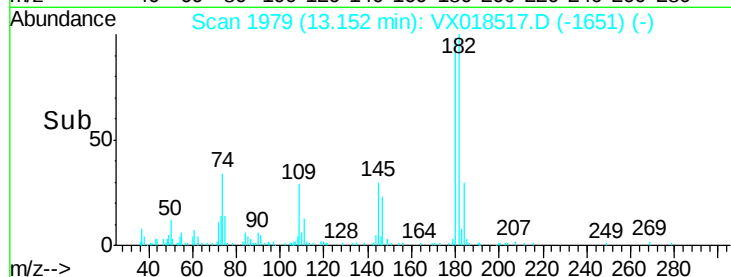
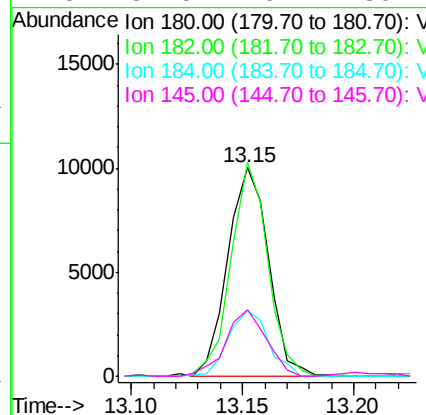
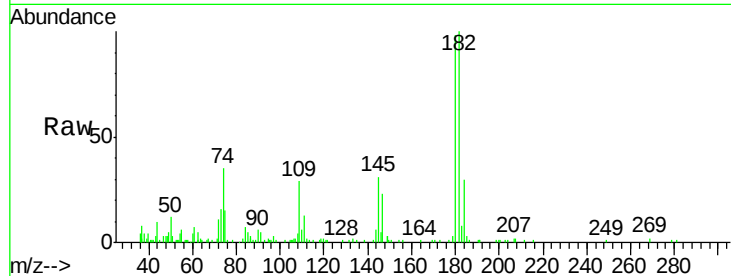
#69
 1,3,5-Trichlorobenzene
 Concen: 2.092 ug/L
 RT: 13.15 min Scan# 1979
 Delta R.T. 0.00 min
 Lab File: VX018517.D
 Acq: 21 Sep 2020 17:21

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	12775		
182	92.5		82.5	123.7
184	31.0		25.4	38.2
145	31.5		26.2	39.2

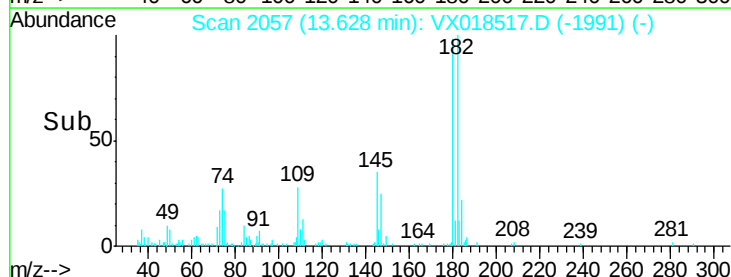
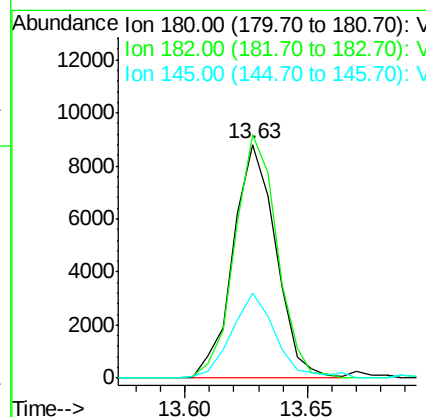
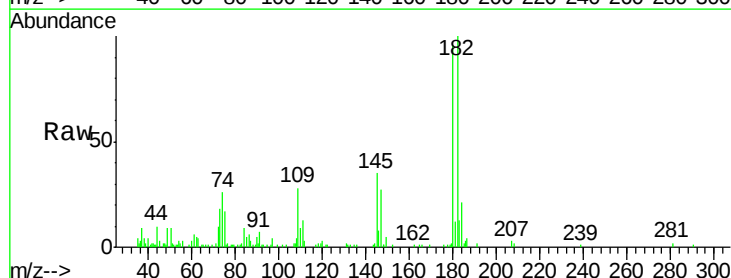
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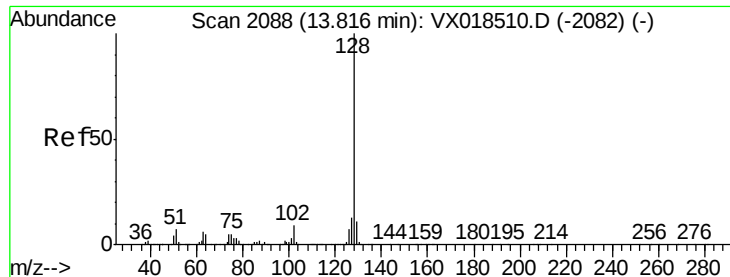
MMDadoda
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#70
 1,2,4-trichlorobenzene
 Concen: 1.916 ug/L
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX018517.D
 Acq: 21 Sep 2020 17:21

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	10736		
182	102.9		78.6	118.0
145	36.9		27.0	40.4





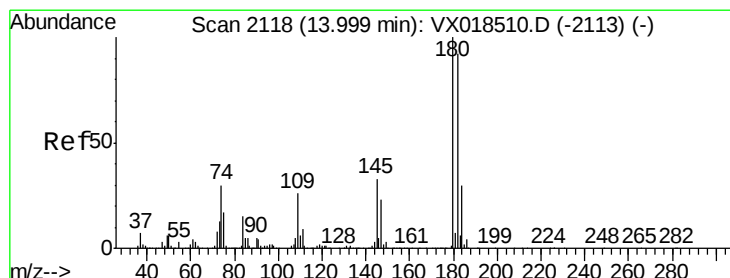
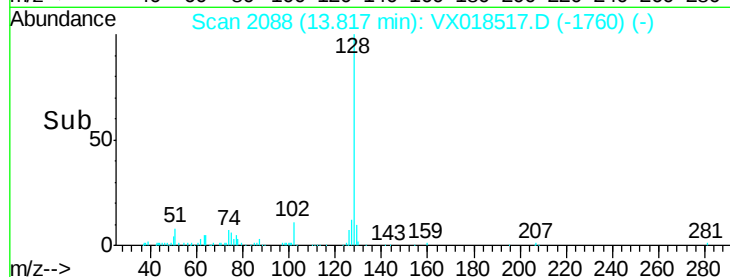
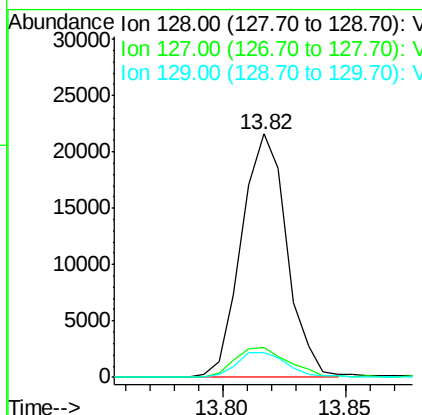
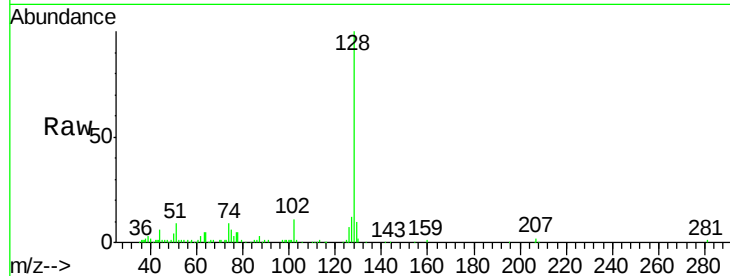
#71
Naphthalene
Concen: 1.595 ug/L
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX018517.D
Acq: 21 Sep 2020 17:21

Instrument :
MSVOA_X
ClientSampleId :
MDL02

Tot Ion:	128	Resp:	27903
Ion Ratio	Lower	Upper	
128	100		
127	14.5	10.6	15.8
129	11.7	8.8	13.2

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#72
1,2,3-Trichlorobenzene
Concen: 1.879 ug/L
RT: 14.01 min Scan# 2119
Delta R.T. 0.01 min
Lab File: VX018517.D
Acq: 21 Sep 2020 17:21

Tgt Ion:	180	Resp:	10557
Ion Ratio	Lower	Upper	
180	100		
182	97.1	76.6	114.8
145	33.8	27.1	40.7

