

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX092120\
 Data File : VX018524.D
 Acq On : 22 Sep 2020 16:20
 Operator : JC/SP
 Sample : MDL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL02

Manual Integrations
 APPROVED

MMDadoda
 10/6/2020 1:13:38 PM

Quant Time: Sep 23 02:44:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SFAMXLM092120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 23 01:46:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	604274	50.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	579022	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.06	152	270632	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	166815	41.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.10%
7) Chloroethane-d5	1.70	69	132557	43.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.40%
11) 1,1-Dichloroethene-d2	2.34	63	268813	32.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.86%
21) 2-Butanone-d5	4.54	46	235014	88.21	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.21%
24) Chloroform-d	5.14	84	343638	44.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.42%
26) 1,2-Dichloroethane-d4	6.03	65	257971	44.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.18%
32) Benzene-d6	6.05	84	667931	44.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.96%
36) 1,2-Dichloropropane-d6	7.37	67	215325	46.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.10%
41) Toluene-d8	8.70	98	623585	42.46	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.92%
43) trans-1,3-Dichloropropene-	8.99	79	115391	42.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.94%
47) 2-Hexanone-d5	9.43	63	164130	84.46	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	84.46%
56) 1,1,2,2-Tetrachloroethane-	11.23	84	273077	43.62	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.24%
66) 1,2-Dichlorobenzene-d4	12.36	152	250469	48.01	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.02%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	11332	2.178	ug/L 97
3) Chloromethane	1.31	50	9224	2.322	ug/L 87
5) Vinyl chloride	1.39	62	10525m	2.382	ug/L
6) Bromomethane	1.64	94	5834	2.478	ug/L 96
8) Chloroethane	1.72	64	5590	2.154	ug/L 90
9) Trichlorofluoromethane	1.92	101	17235	2.310	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.36	101	11816	2.913	ug/L # 86
12) 1,1-Dichloroethene	2.36	96	10920m	2.869	ug/L
13) Acetone	2.43	43	8983	4.584	ug/L 78
14) Carbon disulfide	2.55	76	25781	2.227	ug/L # 92
15) Methyl Acetate	2.75	43	8803	2.117	ug/L # 94
16) Methylene chloride	2.83	84	11624	2.787	ug/L 91
17) trans-1,2-Dichloroethene	3.15	96	9176	2.291	ug/L 93
18) Methyl tert-butyl Ether	3.17	73	24813	1.923	ug/L # 81
19) 1,1-Dichloroethane	3.67	63	16905	2.270	ug/L # 87
20) cis-1,2-Dichloroethene	4.56	96	9615	2.195	ug/L # 90
22) 2-Butanone	4.65	43	14343m	4.820	ug/L

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

23) Bromochloromethane	5.00	128	5367m	2.227	ug/L	
25) Chloroform	5.18	83	38630	4.640	ug/L	96
27) 1,2-Dichloroethane	6.17	62	14958	2.245	ug/L	100
29) Cyclohexane	5.55	56	12584	1.981	ug/L #	87
30) 1,1,1-Trichloroethane	5.46	97	17525	2.252	ug/L #	79
31) Carbon tetrachloride	5.74	117	15945m	2.269	ug/L	
33) Benzene	6.11	78	35080	2.160	ug/L	100
34) Trichloroethene	7.18	95	10575	2.333	ug/L	90
35) Methylcyclohexane	7.44	83	13579	2.062	ug/L	99
37) 1,2-Dichloropropane	7.49	63	11101	2.590	ug/L	99
38) Bromodichloromethane	7.88	83	12973	2.108	ug/L #	79
39) cis-1,3-Dichloropropene	8.42	75	13956	2.017	ug/L	93
40) 4-Methyl-2-pentanone	8.62	43	22651	3.984	ug/L	98
42) Toluene	8.76	91	38673	2.216	ug/L	100
44) trans-1,3-Dichloropropene	9.02	75	14644	2.080	ug/L	100
45) 1,1,2-Trichloroethane	9.20	97	9110	2.194	ug/L	98
46) Tetrachloroethene	9.32	164	8961	2.403	ug/L	91
48) 2-Hexanone	9.48	43	19202	4.288	ug/L	97
49) Dibromochloromethane	9.57	129	11139	2.129	ug/L	85
50) 1,2-Dibromoethane	9.65	107	9193	2.013	ug/L	90
51) Chlorobenzene	10.12	112	25369	2.165	ug/L	94
52) Ethylbenzene	10.23	91	39422	2.028	ug/L	96
53) m,p-Xylene	10.34	106	14576	1.969	ug/L	99
54) o-Xylene	10.68	106	14132	1.982	ug/L	98
55) Styrene	10.70	104	22637	1.844	ug/L	98
57) 1,1,2,2-Tetrachloroethane	11.25	83	14818	2.332	ug/L #	91
59) Bromoform	10.84	173	7328	2.054	ug/L #	85
60) Isopropylbenzene	11.00	105	35019	2.023	ug/L	97
61) 1,2,3-Trichloropropane	11.28	75	11063	2.266	ug/L	97
62) 1,3,5-Trimethylbenzene	11.49	105	26207	1.833	ug/L	98
63) 1,2,4-Trimethylbenzene	11.79	105	26018	1.787	ug/L	99
64) 1,3-Dichlorobenzene	12.01	146	18944	2.215	ug/L	94
65) 1,4-Dichlorobenzene	12.08	146	21780	2.522	ug/L	96
67) 1,2-Dichlorobenzene	12.38	146	20549	2.496	ug/L	98
68) 1,2-Dibromo-3-chloropropan	12.99	75	3198	2.233	ug/L #	87
69) 1,3,5-Trichlorobenzene	13.15	180	13533	2.386	ug/L	90
70) 1,2,4-trichlorobenzene	13.63	180	13871	2.664	ug/L	95
71) Naphthalene	13.82	128	27097	1.667	ug/L	95
72) 1,2,3-Trichlorobenzene	14.01	180	10882	2.085	ug/L	94

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

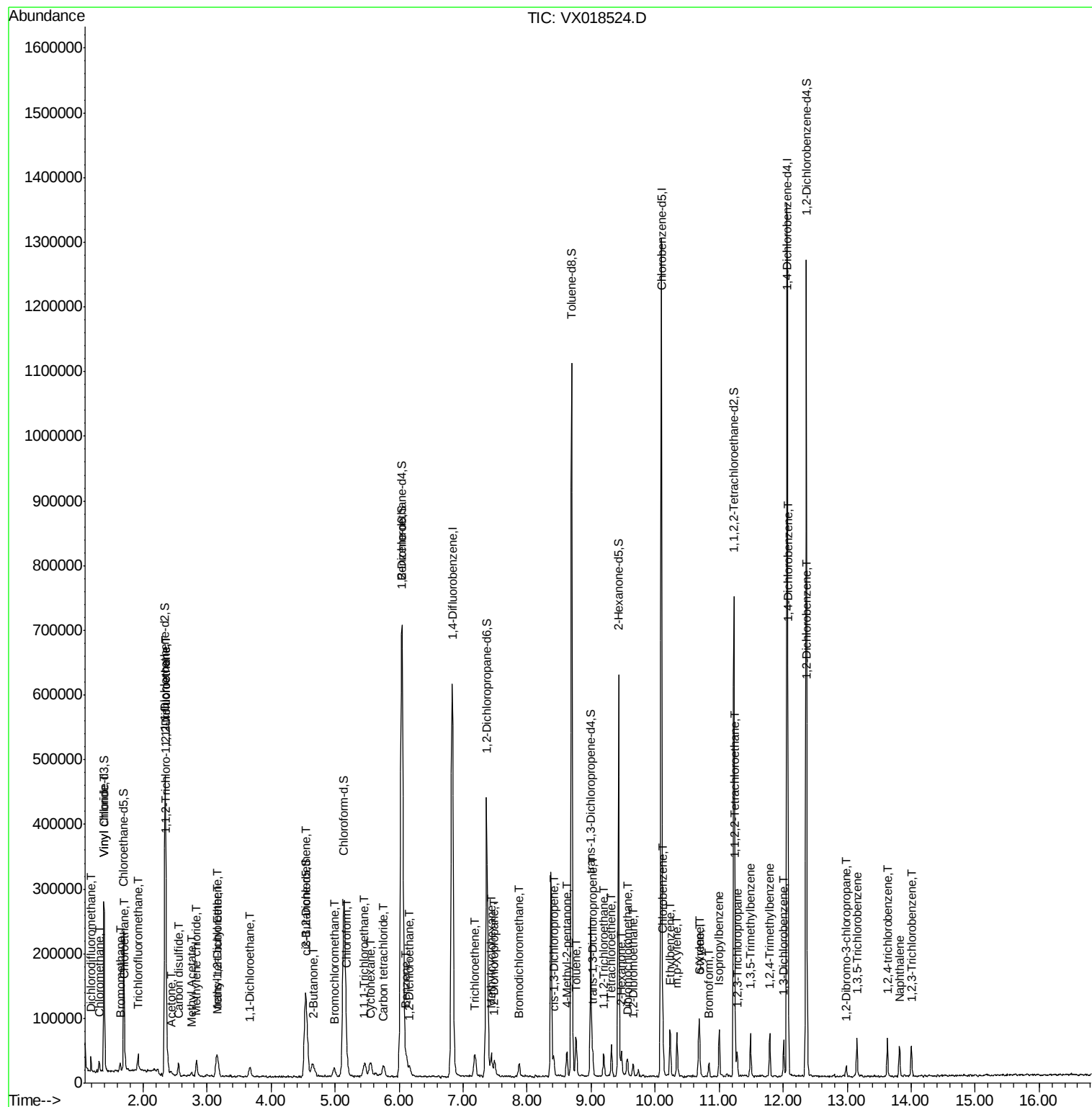
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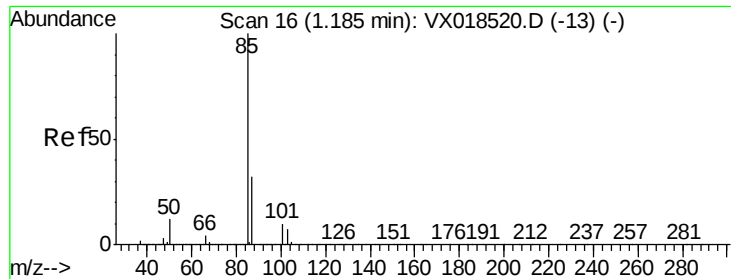
Instrument :
MSVOA_X
ClientSampleId :
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#2

Dichlorodifluoromethane

Concen: 2.178 ug/L

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX018524.D

Acq: 22 Sep 2020 16:20

Instrument :

MSVOA_X

ClientSampleId :

MDL02

Tot Ion: 85 Resp: 11332

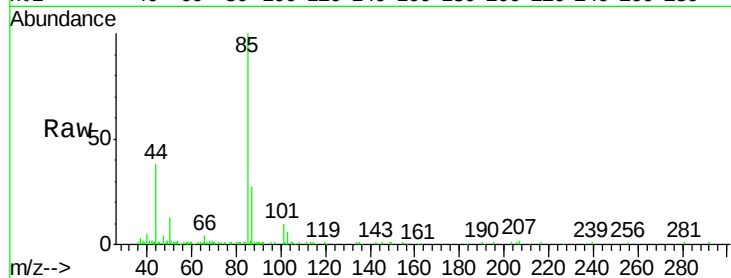
Ion Ratio Lower Upper

85 100

87 30.9 26.2 39.4

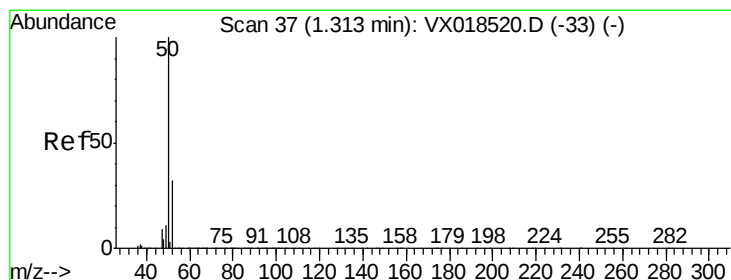
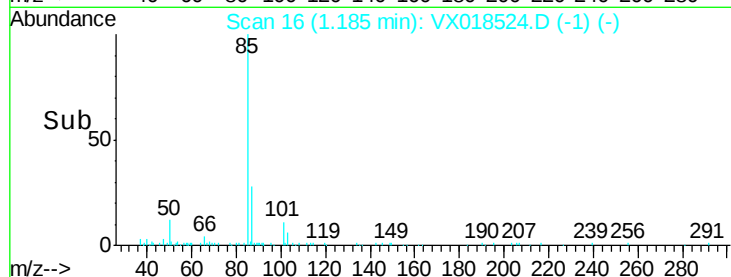
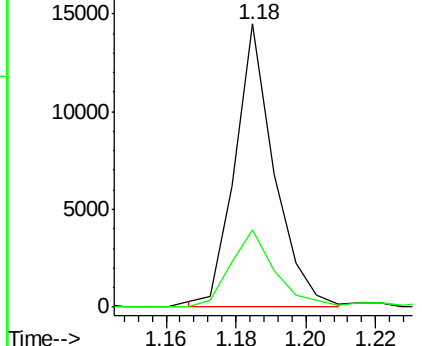
Manual Integrations
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Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#3

Chloromethane

Concen: 2.322 ug/L

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX018524.D

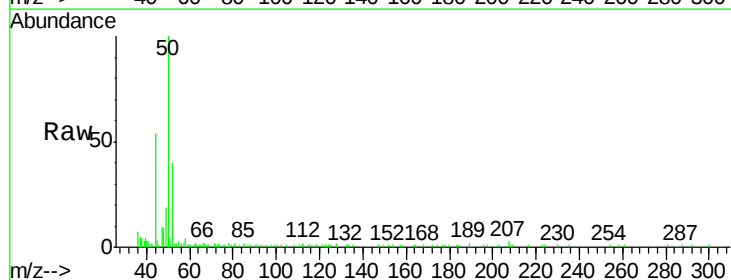
Acq: 22 Sep 2020 16:20

Tgt Ion: 50 Resp: 9224

Ion Ratio Lower Upper

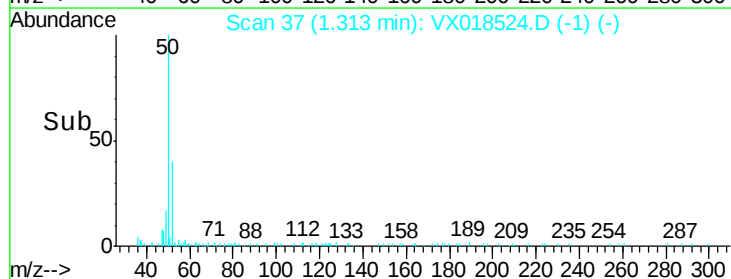
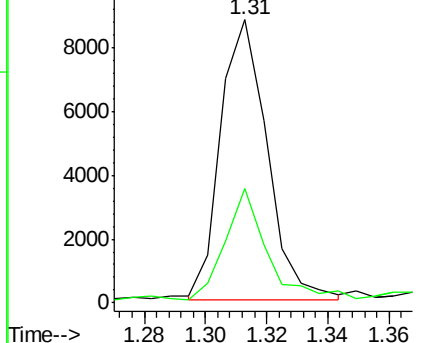
50 100

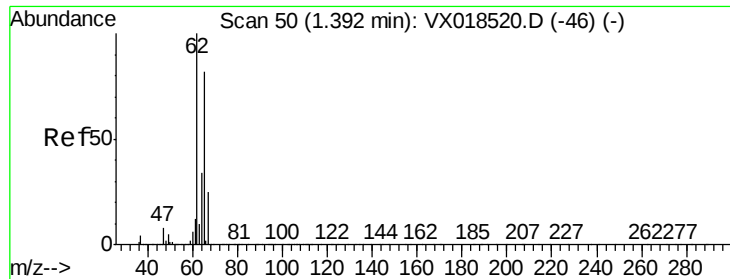
52 40.4 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





#5

Vinyl chloride

Concen: 2.382 ug/L m

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX018524.D

Acq: 22 Sep 2020 16:20

Instrument :

MSVOA_X

ClientSampleId :

MDL02

Tot Ion: 62 Resp: 10525

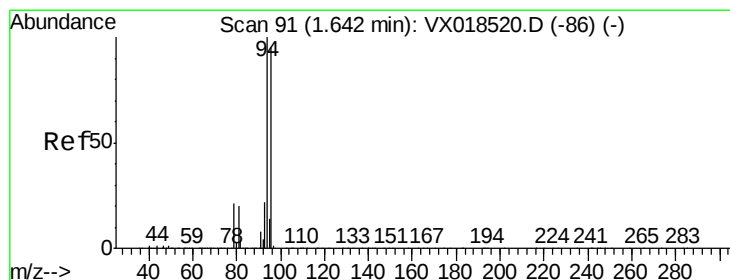
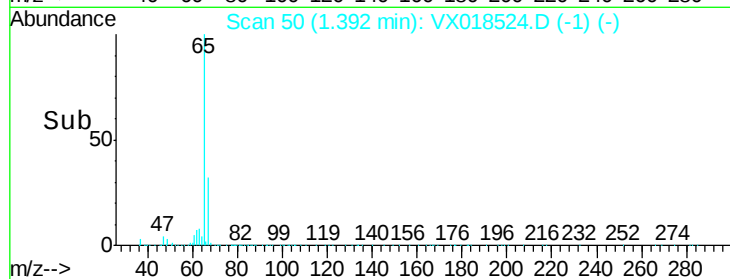
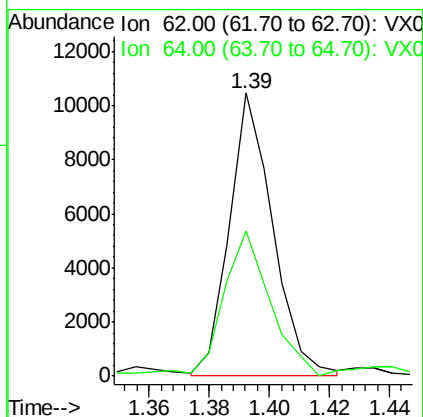
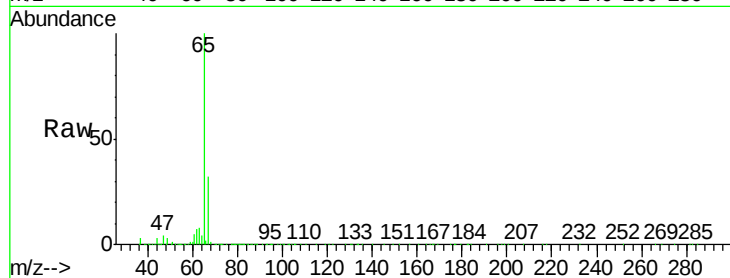
Ion Ratio Lower Upper

62 100

64 51.2 23.0 42.6#

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#6

Bromomethane

Concen: 2.478 ug/L

RT: 1.64 min Scan# 91

Delta R.T. 0.00 min

Lab File: VX018524.D

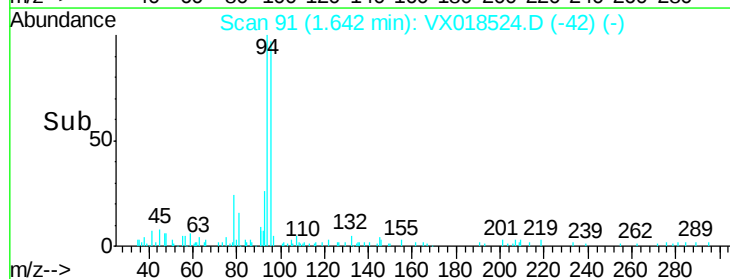
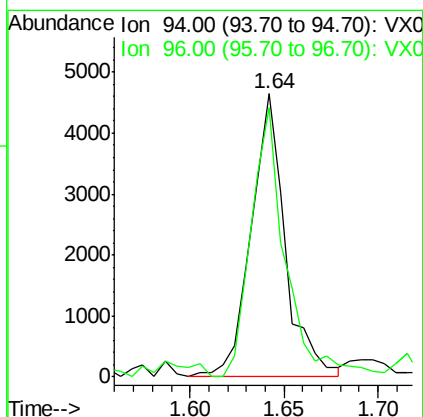
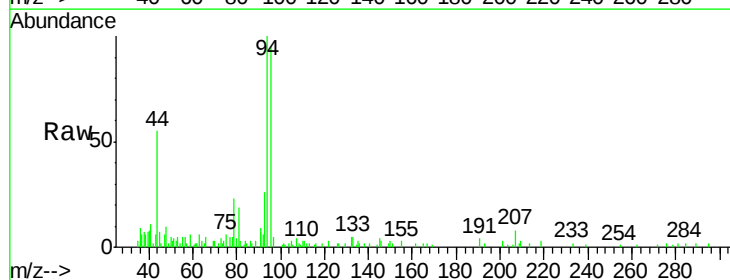
Acq: 22 Sep 2020 16:20

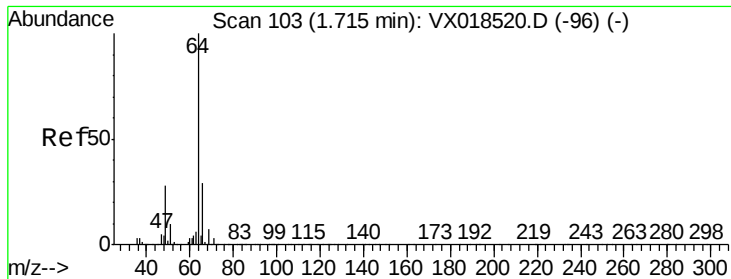
Tgt Ion: 94 Resp: 5834

Ion Ratio Lower Upper

94 100

96 95.0 69.2 128.4





#8

Chloroethane

Concen: 2.154 ug/L

RT: 1.72 min Scan# 103

Delta R.T. 0.00 min

Lab File: VX018524.D

Acq: 22 Sep 2020 16:20

Instrument :

MSVOA_X

ClientSampleId :

MDL02

Tot Ion: 64 Resp: 5590

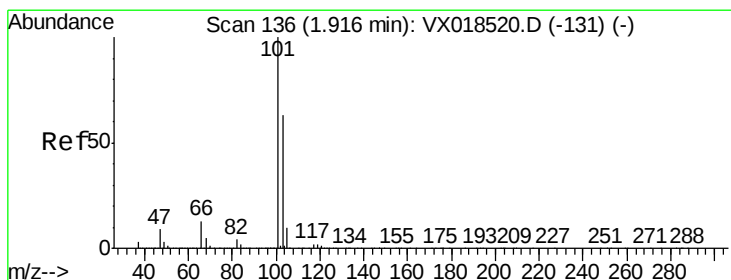
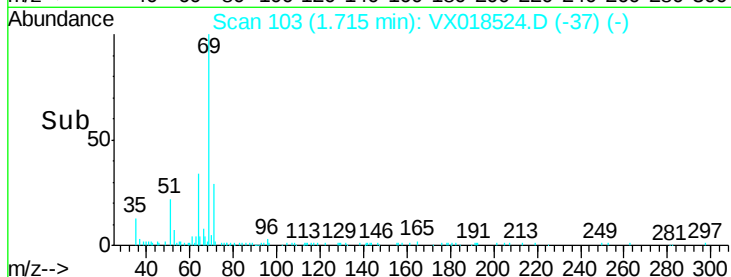
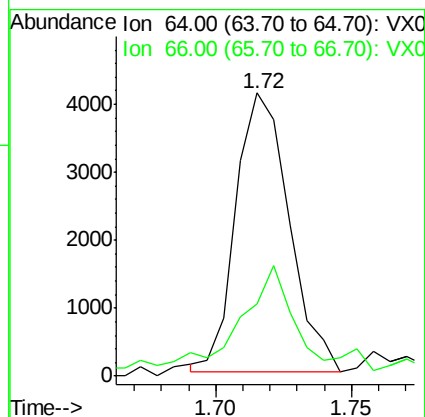
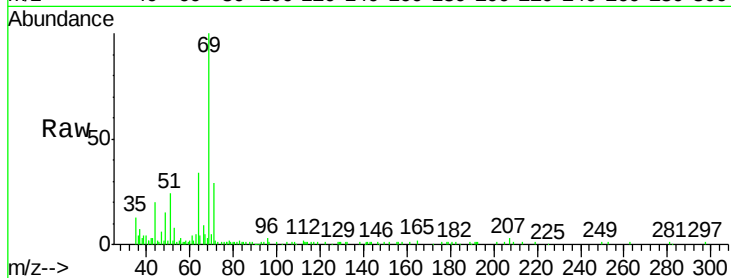
Ion Ratio Lower Upper

64 100

66 25.6 21.6 40.2

Manual Integrations
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#9

Trichlorofluoromethane

Concen: 2.310 ug/L

RT: 1.92 min Scan# 137

Delta R.T. 0.01 min

Lab File: VX018524.D

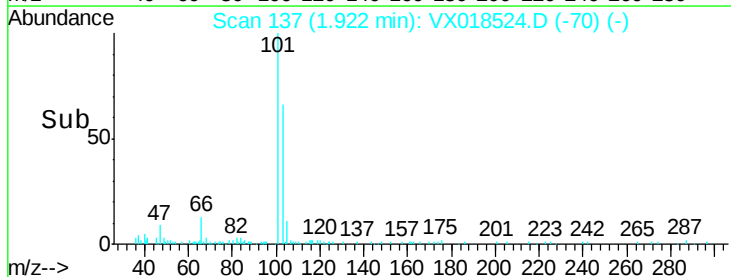
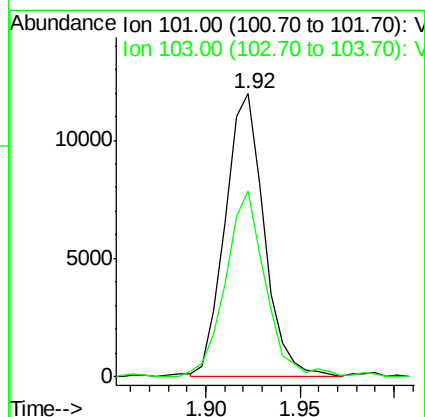
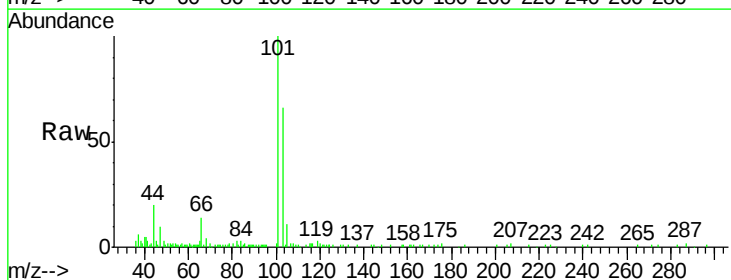
Acq: 22 Sep 2020 16:20

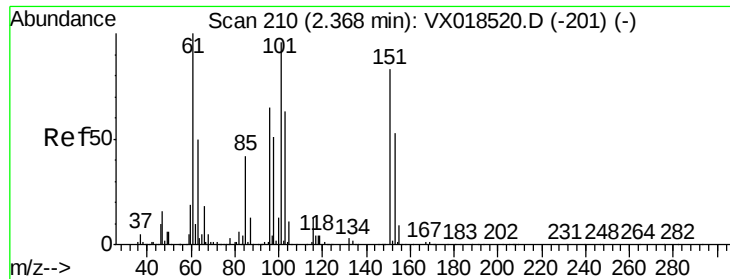
Tgt Ion: 101 Resp: 17235

Ion Ratio Lower Upper

101 100

103 65.3 51.5 77.3





#10

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

Concen: 2.913 ug/L

RT: 2.36 min Scan# 209

Delta R.T. -0.01 min

Lab File: VX018524.D

Acq: 22 Sep 2020 16:20

Instrument :

MSVOA_X

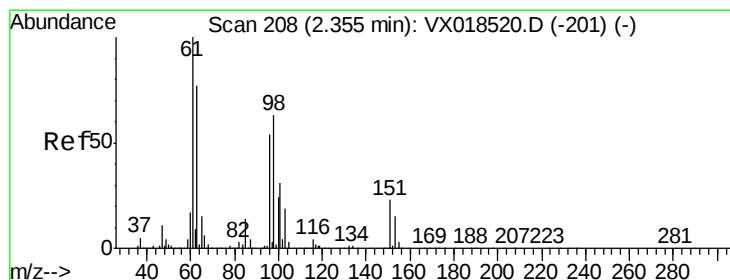
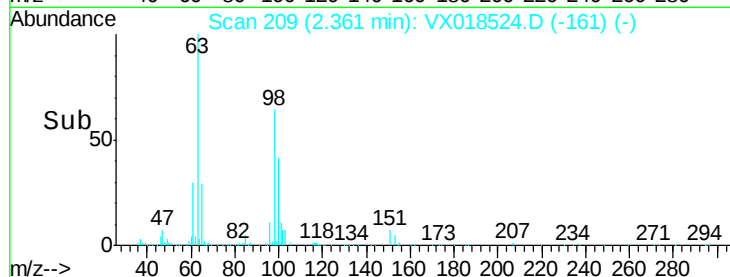
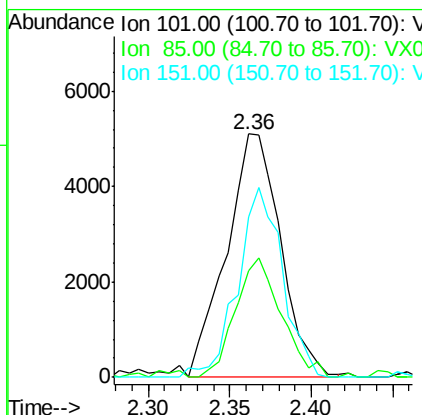
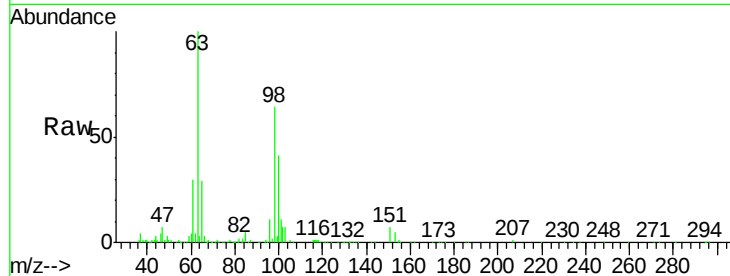
ClientSampleId :

MDL02

Tot Ion:	101	Resp:	11816
Ion Ratio	Lower	Upper	
101	100		
85	41.6	34.9	52.3
151	63.2	65.0	97.4#

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 2.869 ug/L m

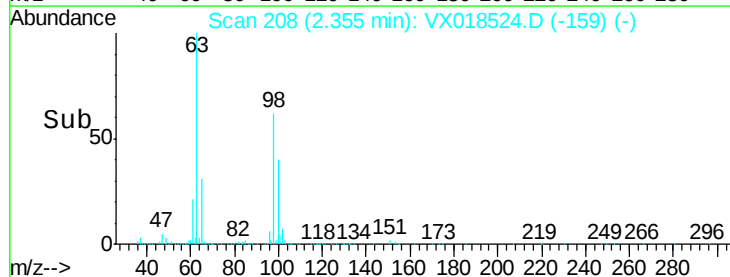
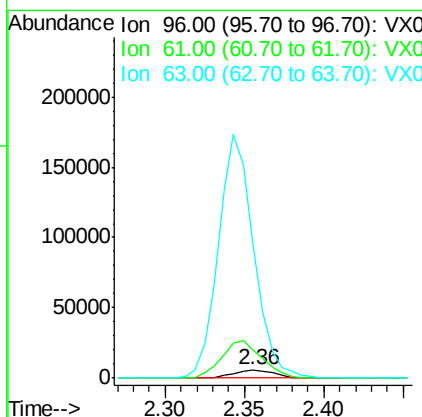
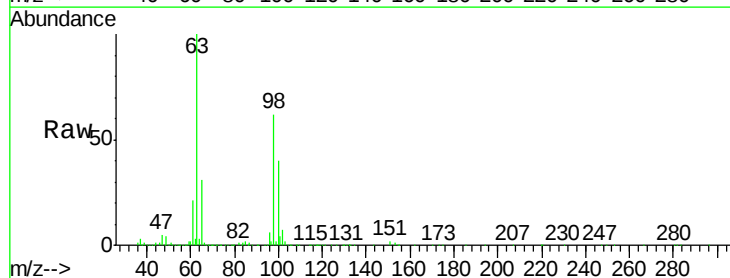
RT: 2.36 min Scan# 208

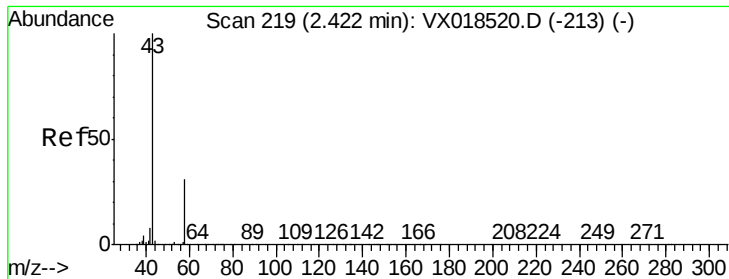
Delta R.T. 0.00 min

Lab File: VX018524.D

Acq: 22 Sep 2020 16:20

Tgt Ion:	96	Resp:	10920
Ion Ratio	Lower	Upper	
96	100		
61	336.7	126.8	235.6#
63	1608.7	100.3	186.3#





#13

Acetone

Concen: 4.584 ug/L

RT: 2.43 min Scan# 221

Delta R.T. 0.01 min

Lab File: VX018524.D

Acq: 22 Sep 2020 16:20

Instrument :

MSVOA_X

ClientSampled :

MDL02

Tot Ion: 43 Resp: 8983

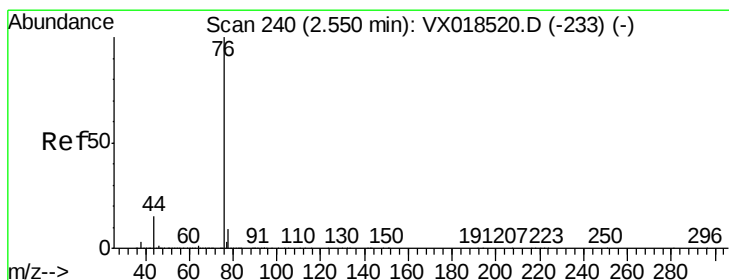
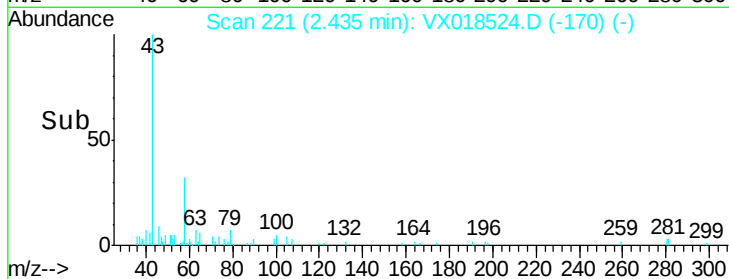
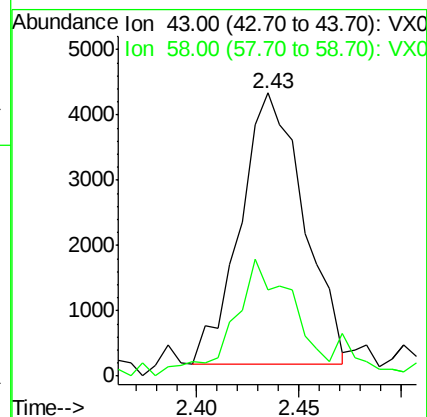
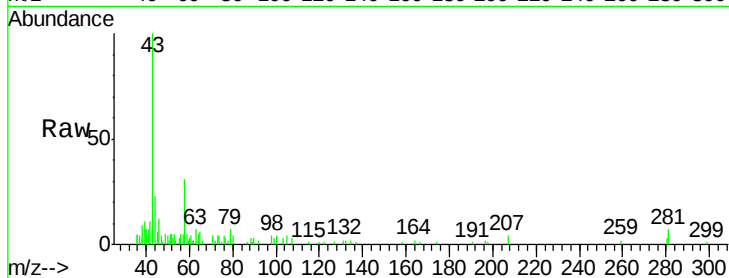
Ion Ratio Lower Upper

43 100

58 17.1 0.0 57.6

Manual Integrations
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#14

Carbon disulfide

Concen: 2.227 ug/L

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX018524.D

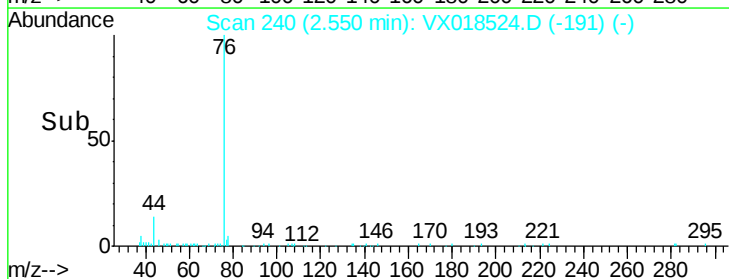
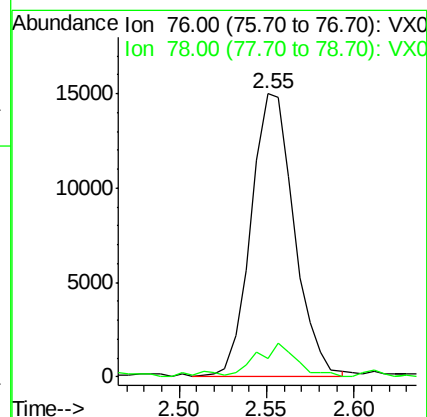
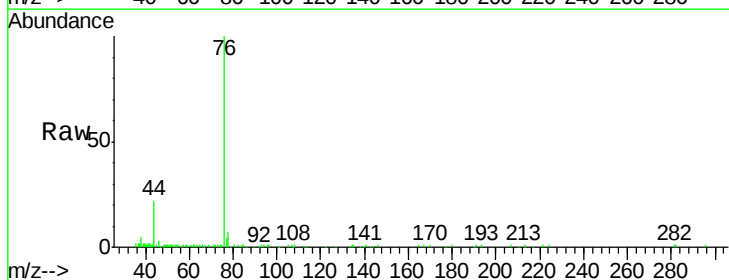
Acq: 22 Sep 2020 16:20

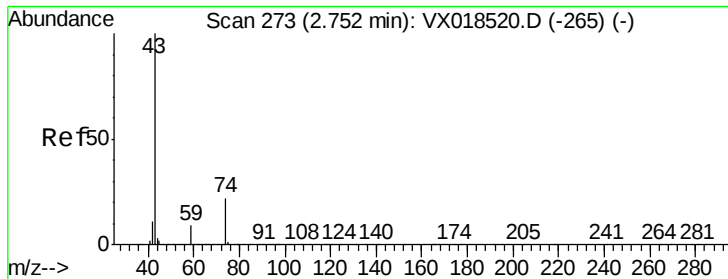
Tgt Ion: 76 Resp: 25781

Ion Ratio Lower Upper

76 100

78 6.6 7.4 11.2#





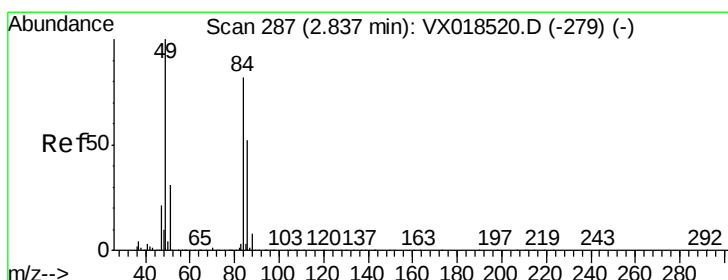
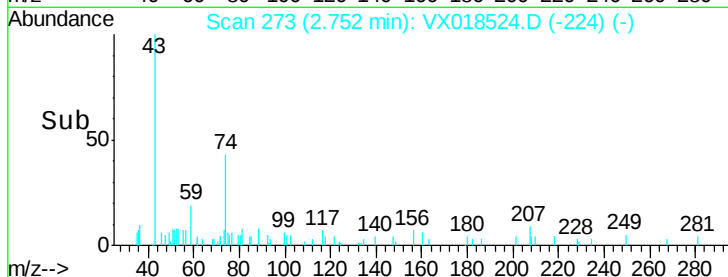
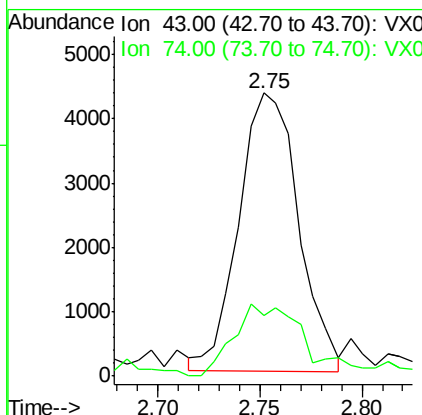
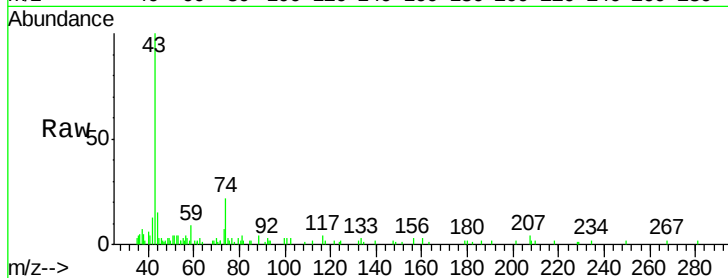
#15
Methyl Acetate
Concen: 2.117 ug/L
RT: 2.75 min Scan# 273
Delta R.T. 0.00 min
Lab File: VX018524.D
Acq: 22 Sep 2020 16:20

Instrument :
MSVOA_X
ClientSampled :
MDL02

Tot Ion	Ratio	Resp	Lower	Upper
43	100	8803		
74	14.3		0.1	0.1#

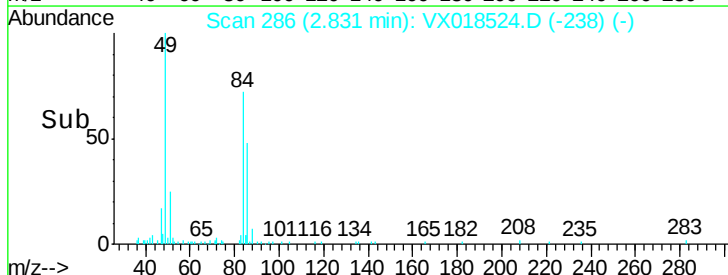
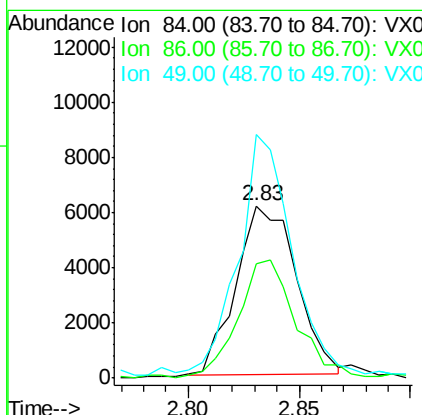
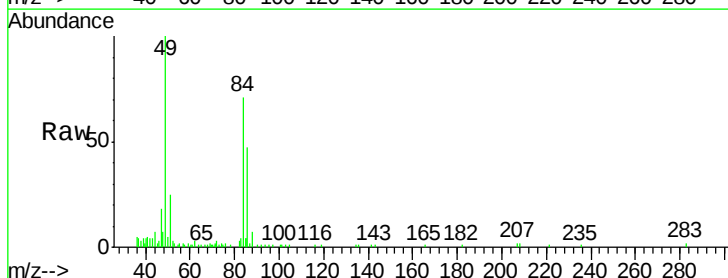
Manual Integrations
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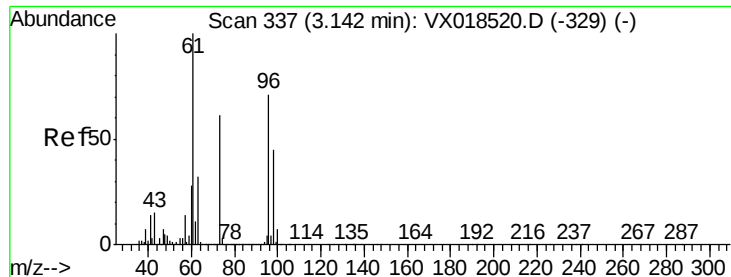
MMDadoda
10/6/2020 1:13:38 PM



#16
Methylene chloride
Concen: 2.787 ug/L
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX018524.D
Acq: 22 Sep 2020 16:20

Tgt Ion	Ratio	Resp	Lower	Upper
84	100	11624		
86	66.0		46.1	85.7
49	141.3		88.5	164.3





#17

trans-1,2-Dichloroethene

Concen: 2.291 ug/L

RT: 3.15 min Scan# 338

Delta R.T. 0.01 min

Lab File: VX018524.D

Acq: 22 Sep 2020 16:20

Instrument :

MSVOA_X

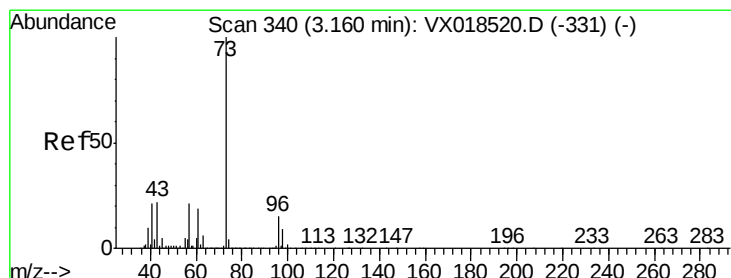
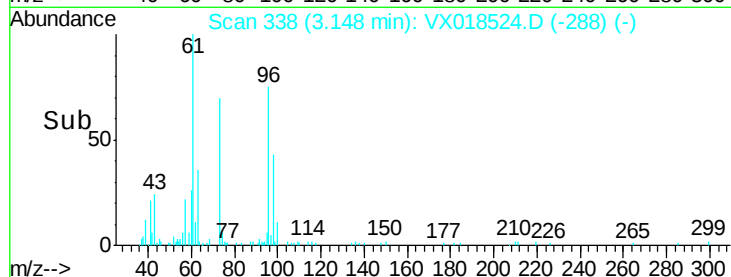
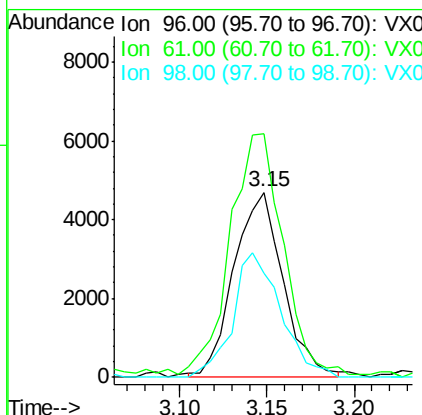
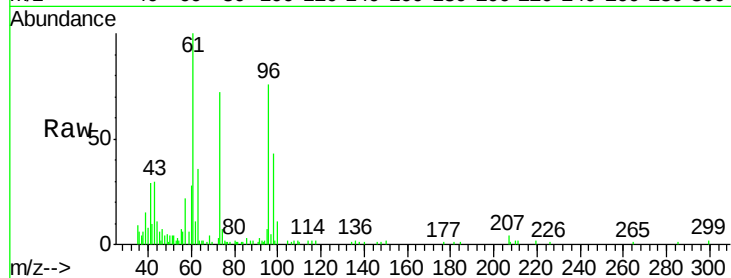
ClientSampleId :

MDL02

Tot Ion:	96	Resp:	9176
Ion	Ratio	Lower	Upper
96	100		
61	131.4	98.3	182.5
98	56.3	42.0	78.0

Manual Integrations
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#18

Methyl tert-butyl Ether

Concen: 1.923 ug/L

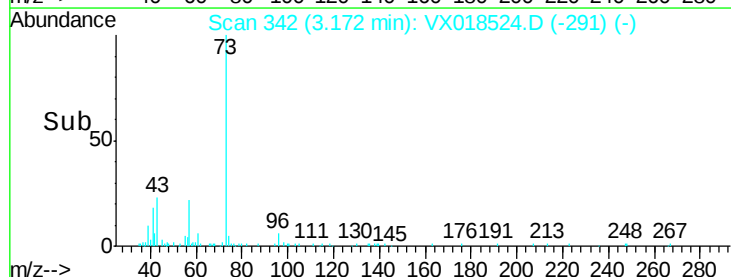
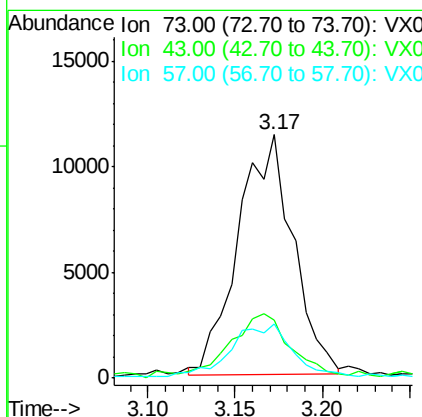
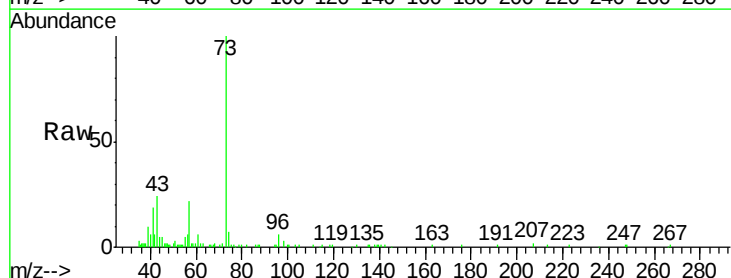
RT: 3.17 min Scan# 342

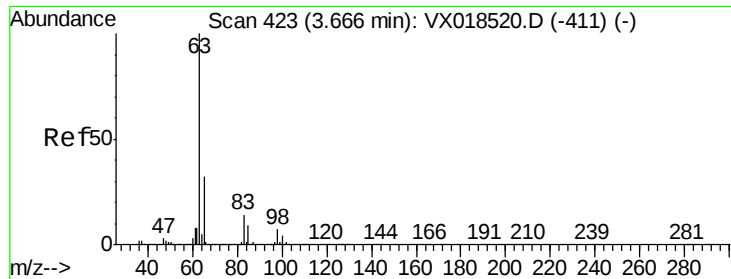
Delta R.T. 0.01 min

Lab File: VX018524.D

Acq: 22 Sep 2020 16:20

Tgt Ion:	73	Resp:	24813
Ion	Ratio	Lower	Upper
73	100		
43	28.6	17.8	26.6#
57	9.7	17.1	25.7#





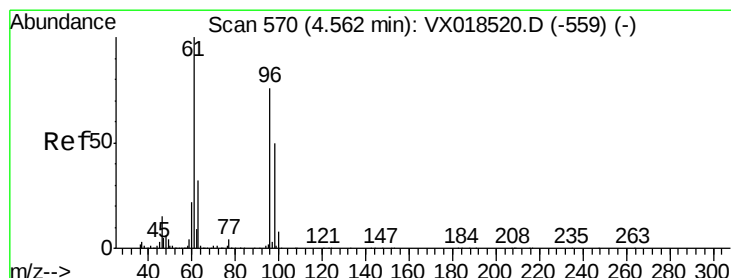
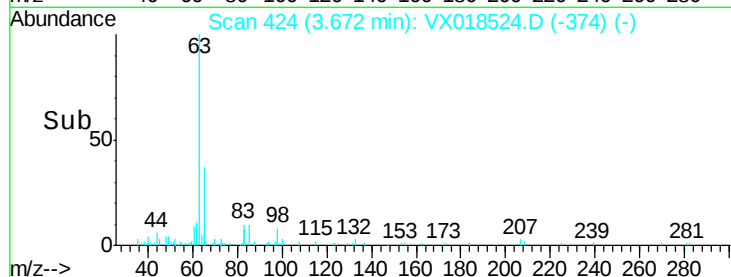
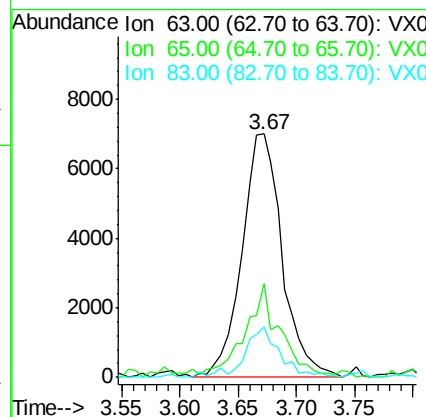
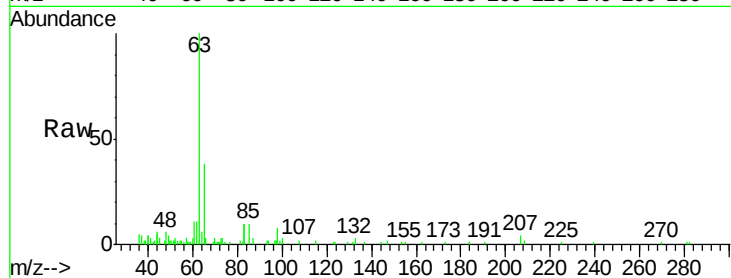
#19
 1,1-Dichloroethane
 Concen: 2.270 ug/L
 RT: 3.67 min Scan# 424
 Delta R.T. 0.01 min
 Lab File: VX018524.D
 Acq: 22 Sep 2020 16:20

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL02

Tot Ion	Ratio	Lower	Upper
63	100		
65	38.4	22.5	41.7
83	20.5	9.7	17.9

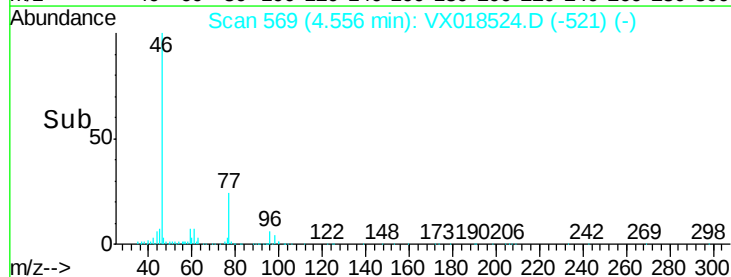
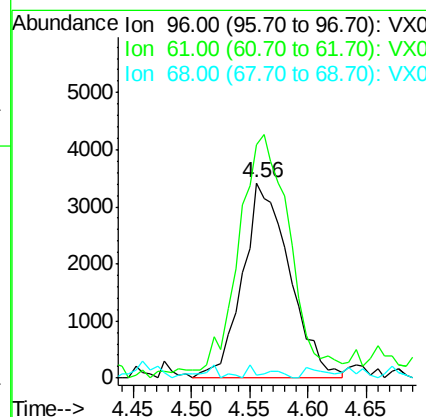
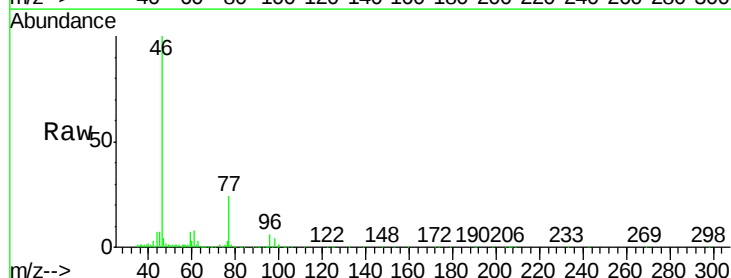
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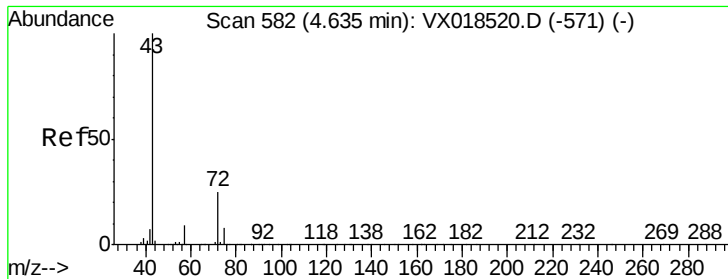
MMDadoda
 10/6/2020 1:13:38 PM



#20
 cis-1,2-Dichloroethene
 Concen: 2.195 ug/L
 RT: 4.56 min Scan# 569
 Delta R.T. -0.01 min
 Lab File: VX018524.D
 Acq: 22 Sep 2020 16:20

Tgt Ion	Ratio	Lower	Upper
96	100		
61	119.8	91.8	170.6
68	4.3	0.0	0.0





#22

2-Butanone

Concen: 4.820 ug/L m

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX018524.D

Acq: 22 Sep 2020 16:20

Instrument :

MSVOA_X

ClientSampled :

MDL02

Tot Ion: 43 Resp: 14343

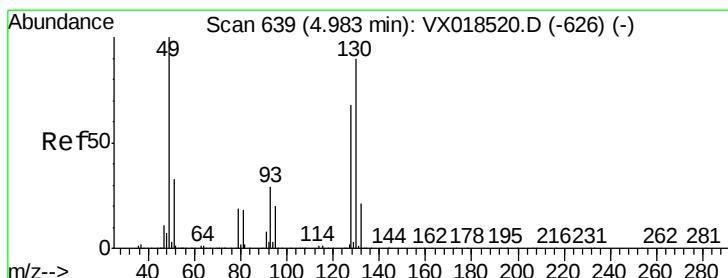
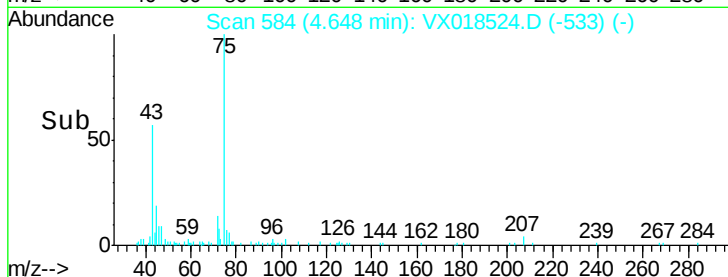
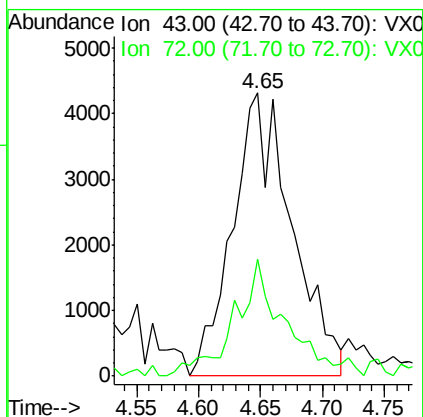
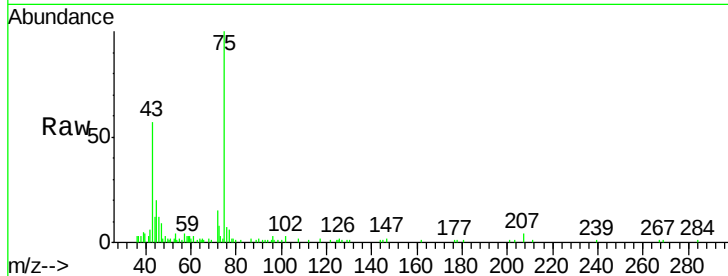
Ion Ratio Lower Upper

43 100

72 0.4 12.9 38.6#

Manual Integrations
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#23

Bromochloromethane

Concen: 2.227 ug/L m

RT: 5.00 min Scan# 641

Delta R.T. 0.01 min

Lab File: VX018524.D

Acq: 22 Sep 2020 16:20

Tgt Ion: 128 Resp: 5367

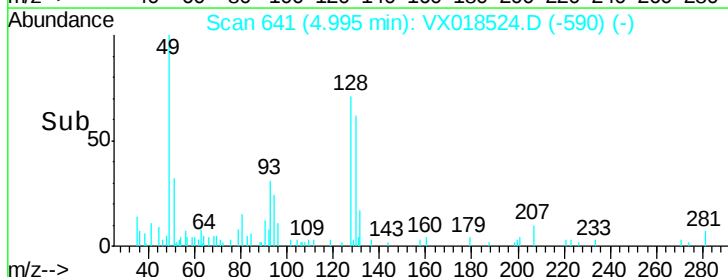
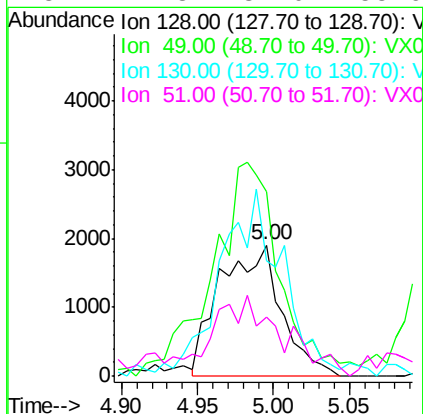
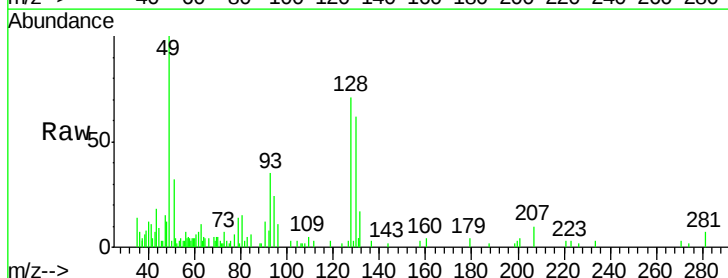
Ion Ratio Lower Upper

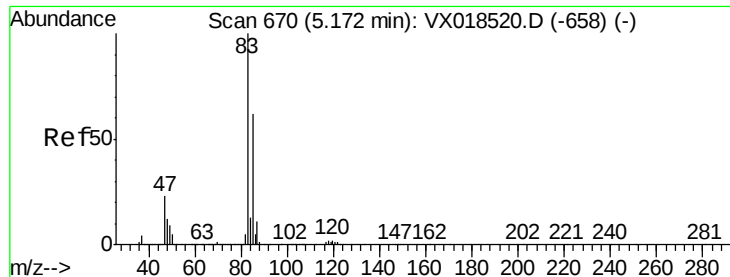
128 100

49 140.9 104.9 194.7

130 87.8 86.5 160.7

51 44.8 37.0 55.6





#25

Chloroform

Concen: 4.640 ug/L

RT: 5.18 min Scan# 671

Delta R.T. 0.01 min

Lab File: VX018524.D

Acq: 22 Sep 2020 16:20

Instrument :

MSVOA_X

ClientSampled :

MDL02

Tot Ion: 83 Resp: 38630

Ion Ratio Lower Upper

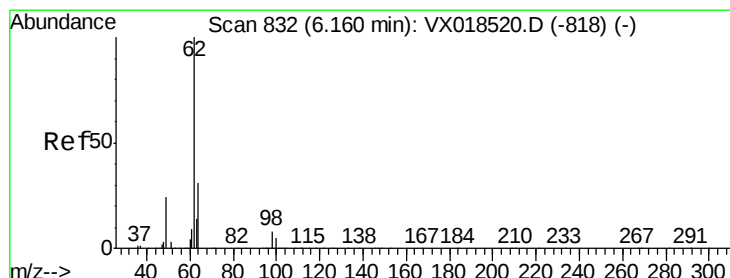
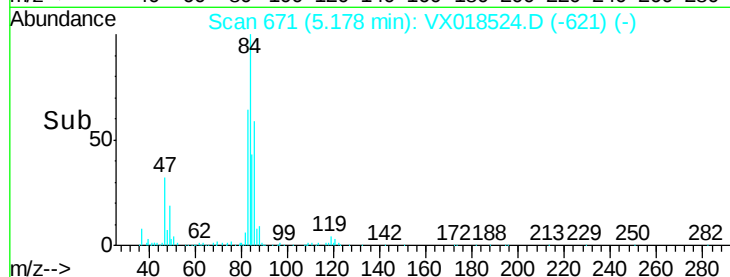
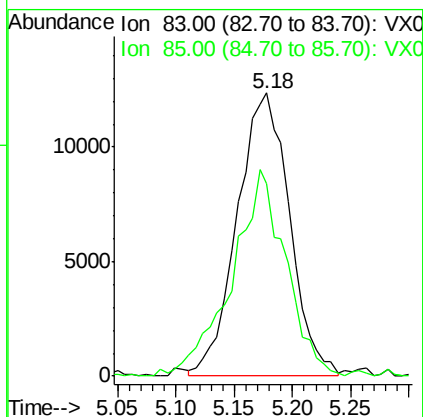
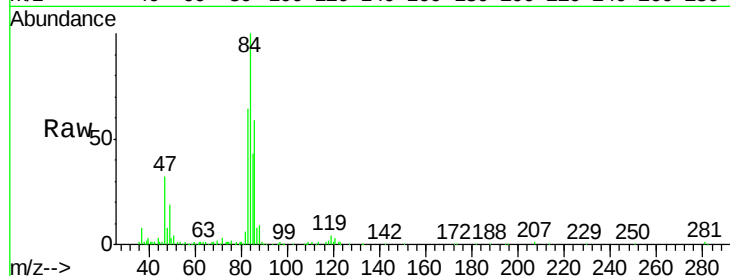
83 100

85 68.0 45.6 84.8

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#27

1,2-Dichloroethane

Concen: 2.245 ug/L

RT: 6.17 min Scan# 833

Delta R.T. 0.01 min

Lab File: VX018524.D

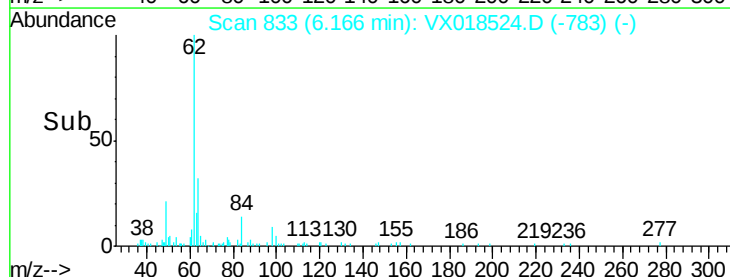
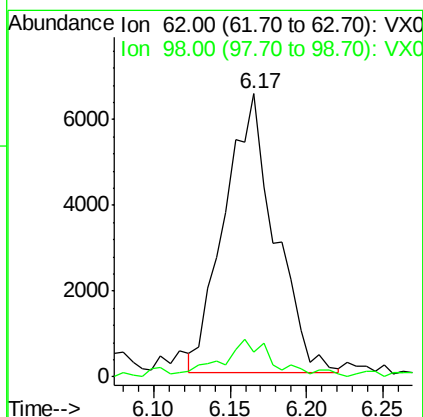
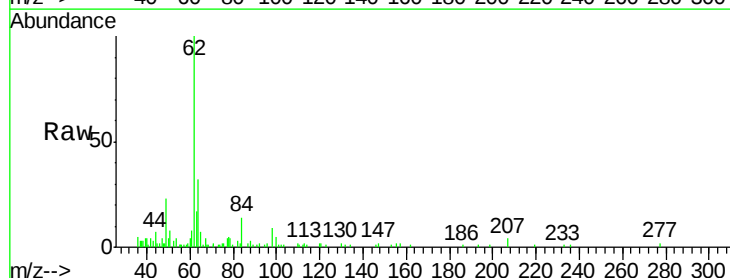
Acq: 22 Sep 2020 16:20

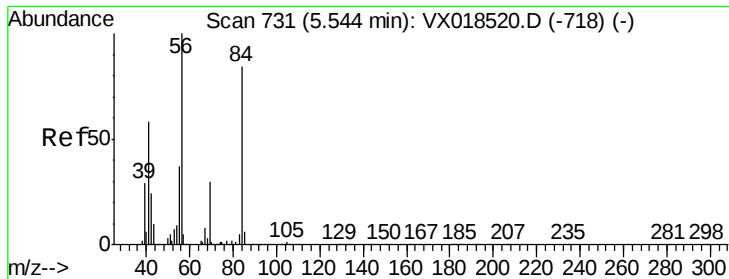
Tgt Ion: 62 Resp: 14958

Ion Ratio Lower Upper

62 100

98 8.6 6.7 10.1





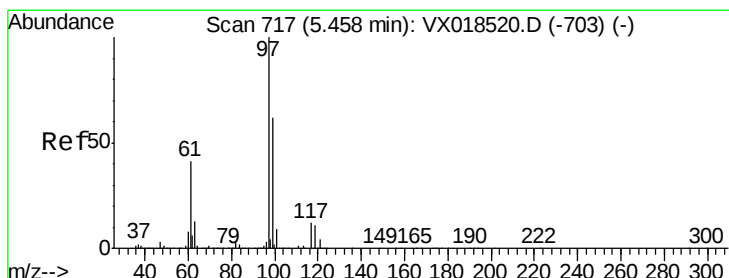
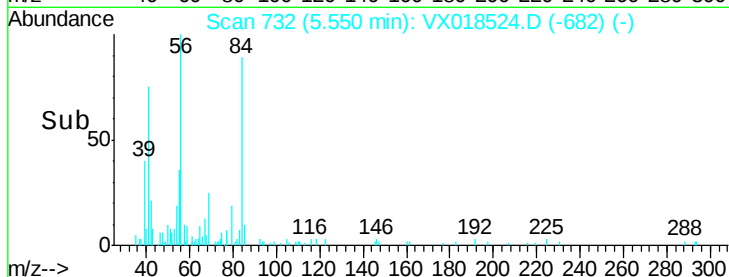
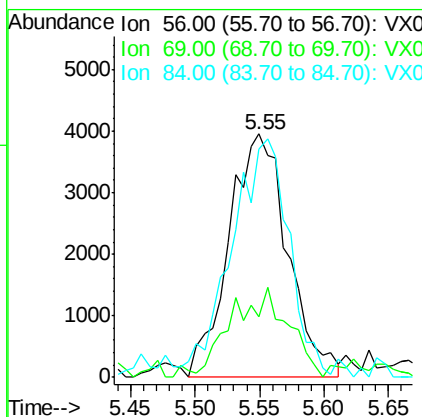
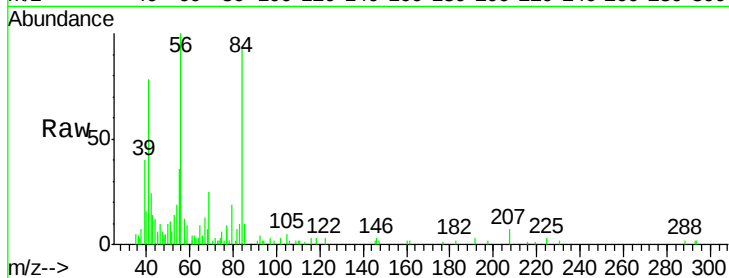
#29
Cyclohexane
Concen: 1.981 ug/L
RT: 5.55 min Scan# 732
Delta R.T. 0.01 min
Lab File: VX018524.D
Acq: 22 Sep 2020 16:20

Instrument :
MSVOA_X
ClientSampled :
MDL02

Tot Ion	Ratio	Lower	Upper
56	100		
69	16.1	25.2	37.8#
84	93.6	69.1	103.7

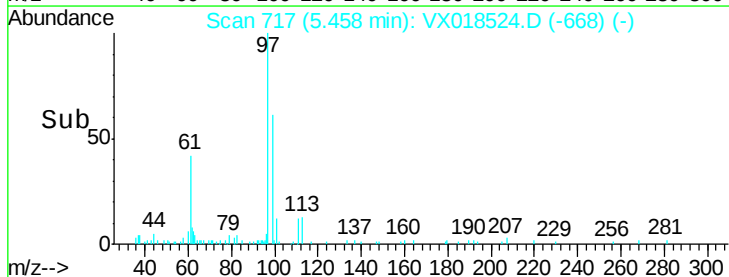
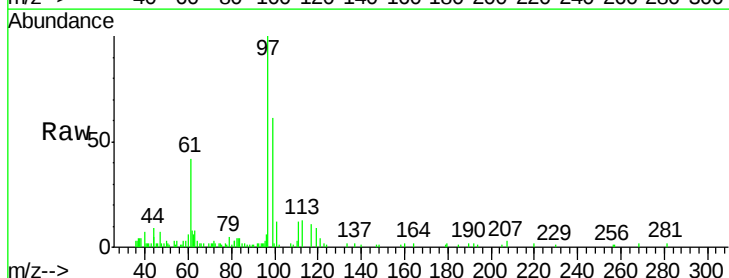
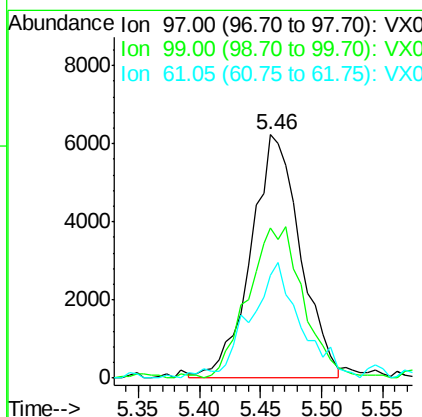
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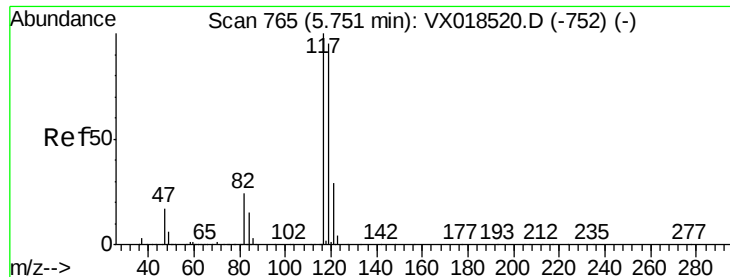
MMDadoda
10/6/2020 1:13:38 PM



#30
1,1,1-Trichloroethane
Concen: 2.252 ug/L
RT: 5.46 min Scan# 717
Delta R.T. 0.00 min
Lab File: VX018524.D
Acq: 22 Sep 2020 16:20

Tgt Ion	Ratio	Lower	Upper
97	100		
99	40.5	51.9	77.9#
61	38.5	34.4	51.6





#31

Carbon tetrachloride

Concen: 2.269 ug/L m

RT: 5.74 min Scan# 764

Delta R.T. -0.01 min

Lab File: VX018524.D

Acq: 22 Sep 2020 16:20

Instrument :

MSVOA_X

ClientSampleId :

MDL02

Tot Ion:117 Resp: 15945

Ion Ratio Lower Upper

117 100

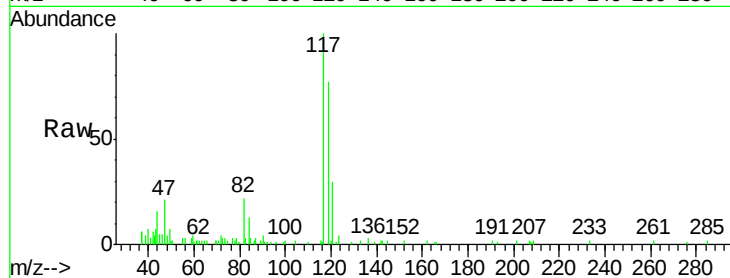
119 0.4 77.5 116.3#

Manual Integrations

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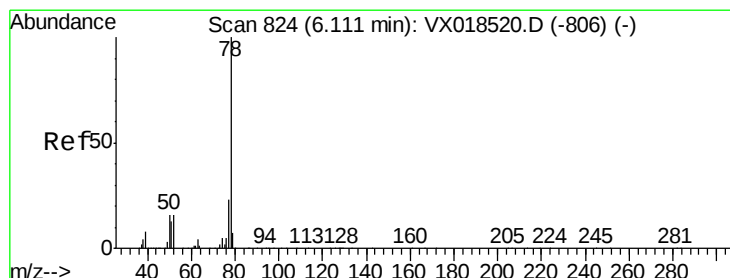
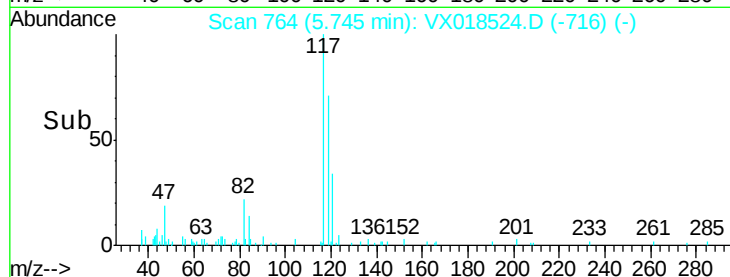
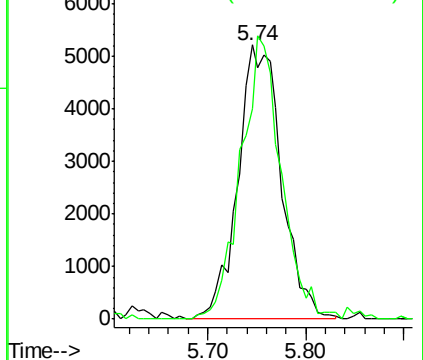
MMDadoda

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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 2.160 ug/L

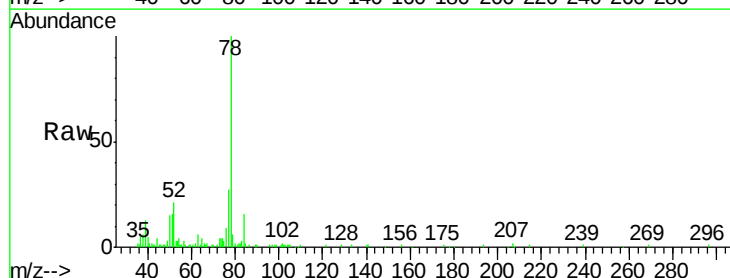
RT: 6.11 min Scan# 824

Delta R.T. 0.00 min

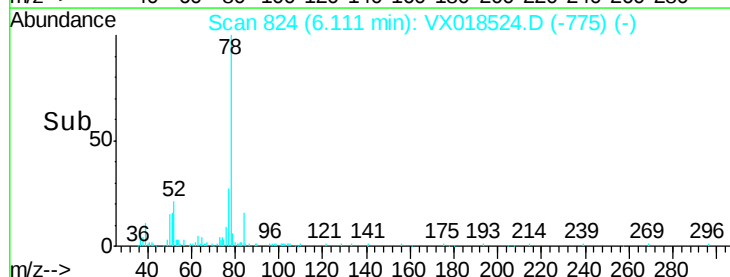
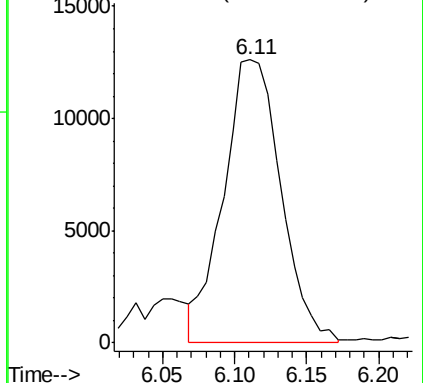
Lab File: VX018524.D

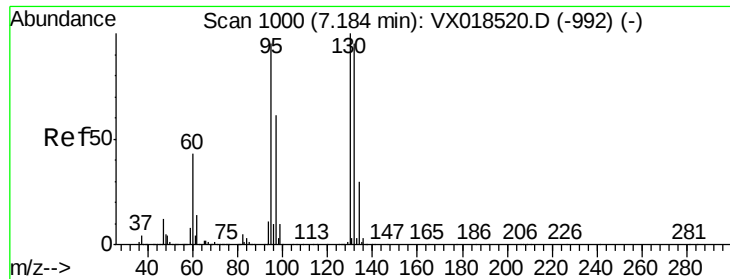
Acq: 22 Sep 2020 16:20

Tgt Ion: 78 Resp: 35080



Abundance Ion 78.00 (77.70 to 78.70): VX0





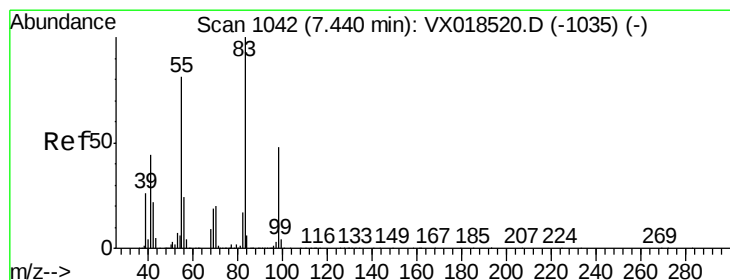
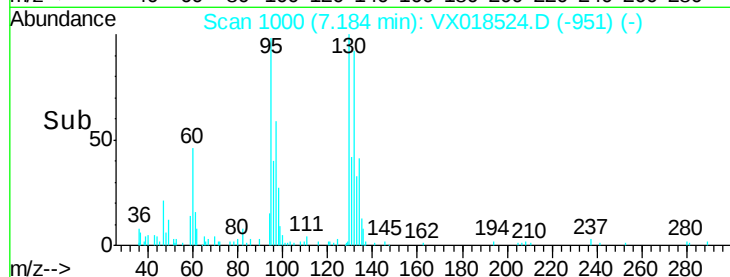
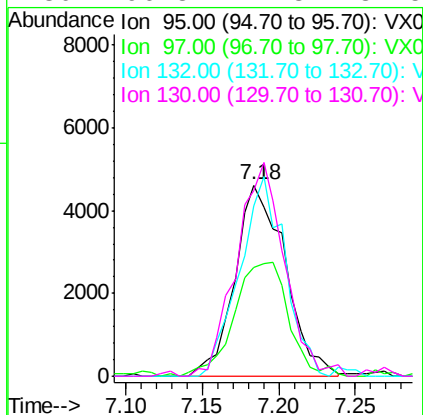
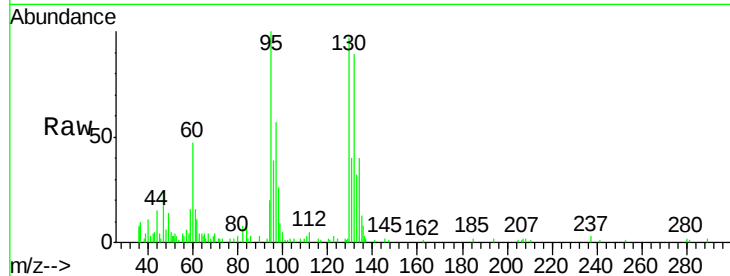
#34
 Trichloroethene
 Concen: 2.333 ug/L
 RT: 7.18 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VX018524.D
 Acq: 22 Sep 2020 16:20

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL02

Tot Ion	95	Resp:	10575
Ion	Ratio	Lower	Upper
95	100		
97	57.1	46.0	85.4
132	88.7	71.7	133.1
130	96.8	71.3	132.5

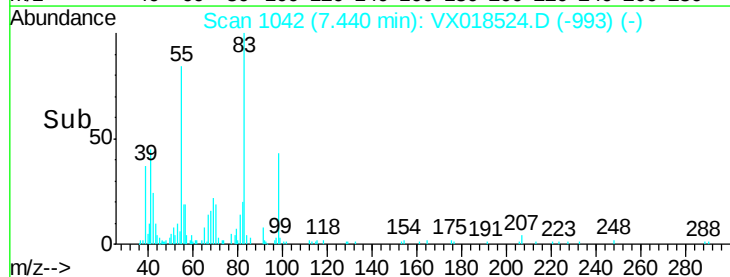
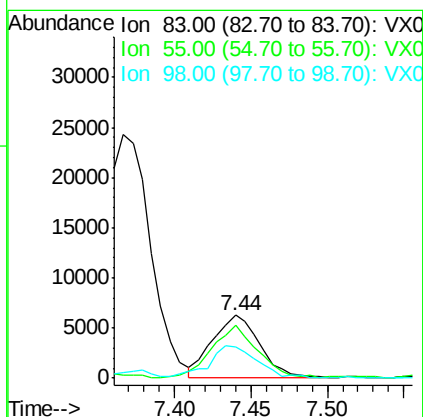
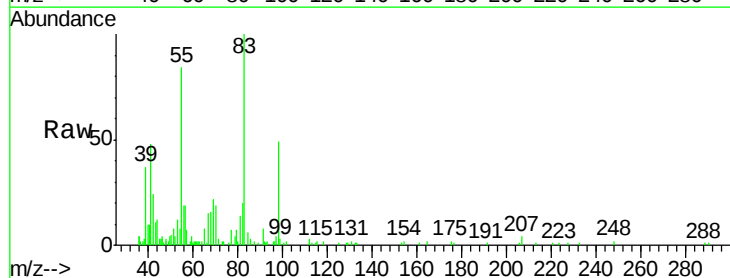
Manual Integrations
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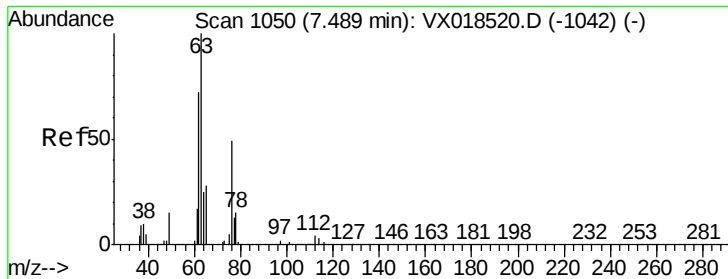
MMDadoda
 10/6/2020 1:13:38 PM



#35
 Methylcyclohexane
 Concen: 2.062 ug/L
 RT: 7.44 min Scan# 1042
 Delta R.T. 0.00 min
 Lab File: VX018524.D
 Acq: 22 Sep 2020 16:20

Tgt Ion	83	Resp:	13579
Ion	Ratio	Lower	Upper
83	100		
55	78.5	61.6	92.4
98	46.6	37.0	55.4





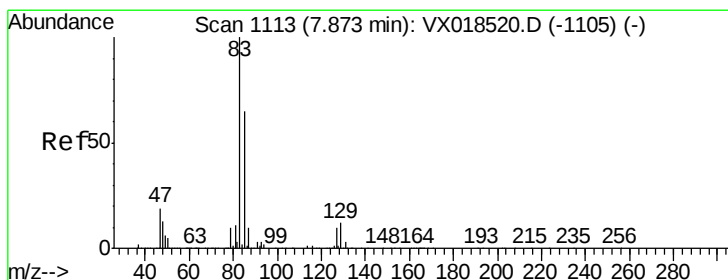
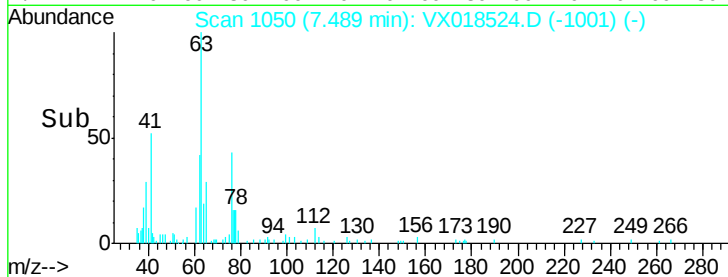
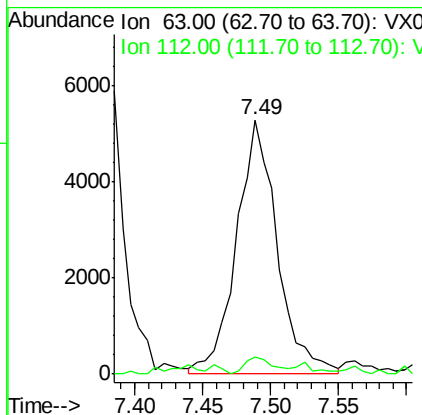
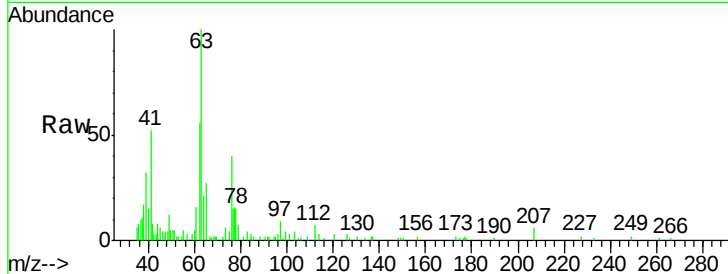
#37
 1,2-Dichloropropane
 Concen: 2.590 ug/L
 RT: 7.49 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VX018524.D
 Acq: 22 Sep 2020 16:20

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL02

Tot Ion	Ratio	Resp	Lower	Upper
63	100	11101		
112	4.8	3.5	5.3	

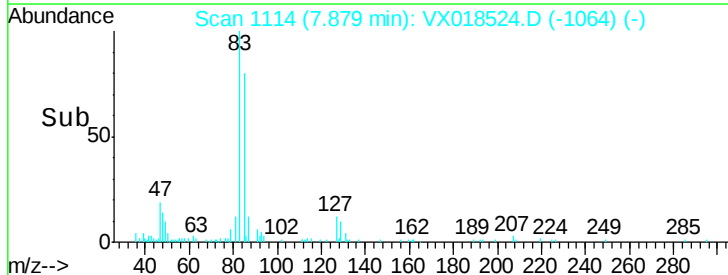
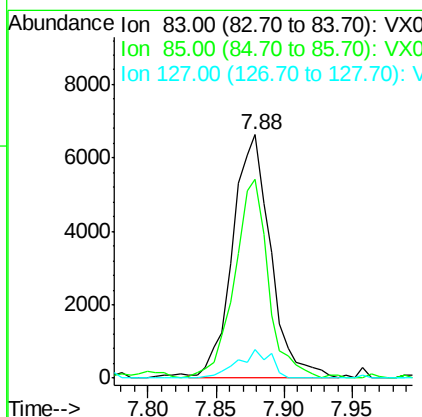
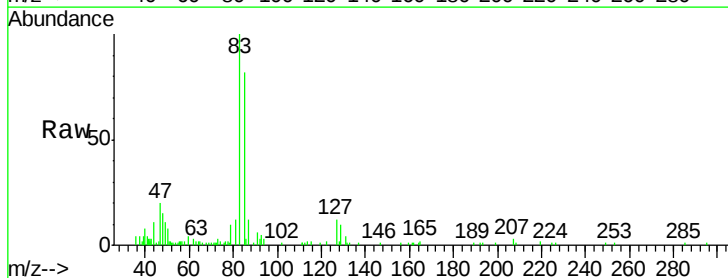
Manual Integrations
 APPROVED

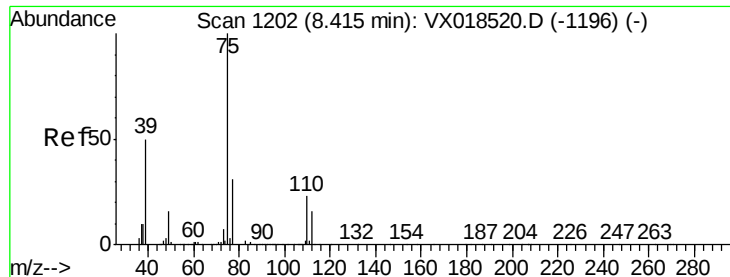
MMDadoda
 10/6/2020 1:13:38 PM



#38
 Bromodichloromethane
 Concen: 2.108 ug/L
 RT: 7.88 min Scan# 1114
 Delta R.T. 0.01 min
 Lab File: VX018524.D
 Acq: 22 Sep 2020 16:20

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	12973		
85	81.6	45.0	83.6	
127	11.8	6.9	10.3#	





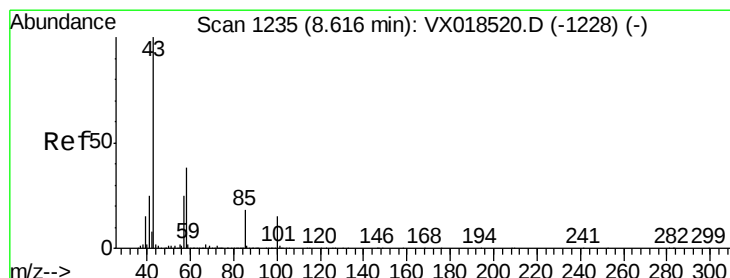
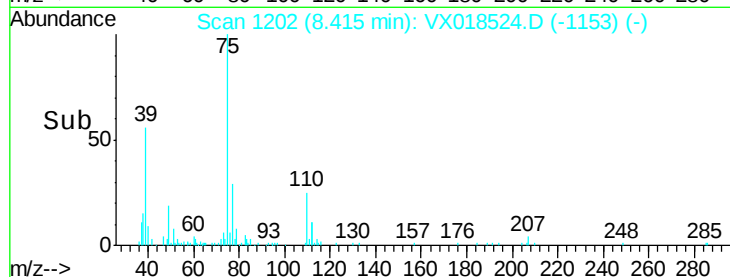
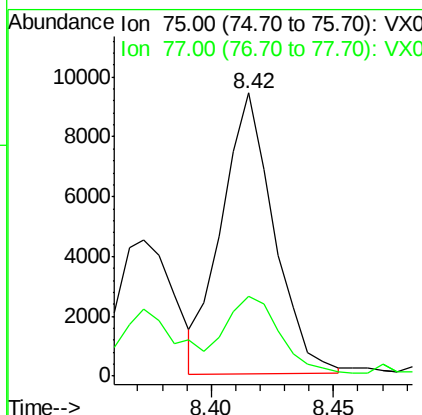
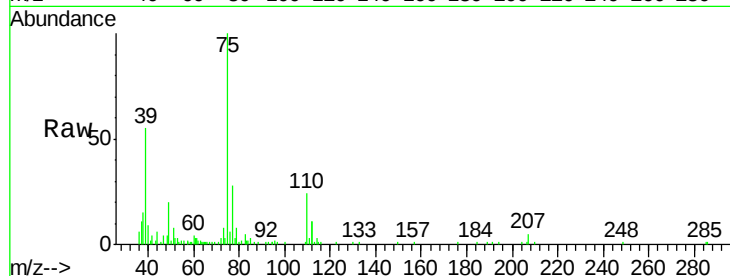
#39
 cis-1,3-Dichloropropene
 Concen: 2.017 ug/L
 RT: 8.42 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: VX018524.D
 Acq: 22 Sep 2020 16:20

Instrument :
 MSVOA_X
 ClientSampled :
 MDL02

Tot Ion	Ratio	Lower	Upper
75	100		
77	28.1	22.3	41.3

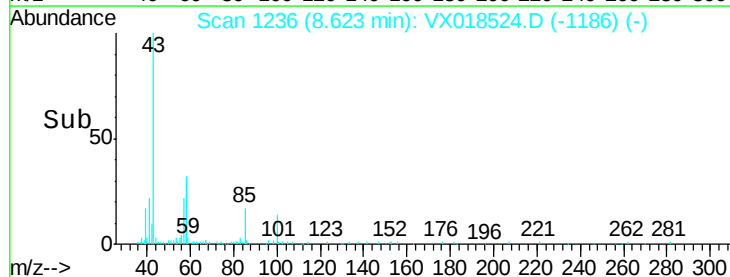
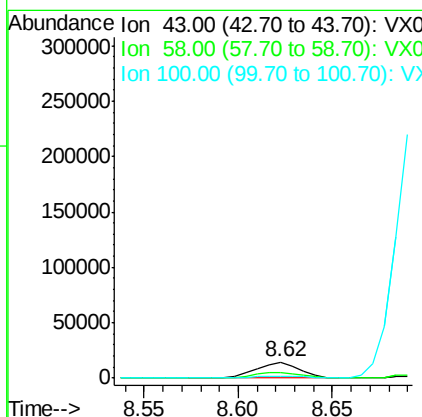
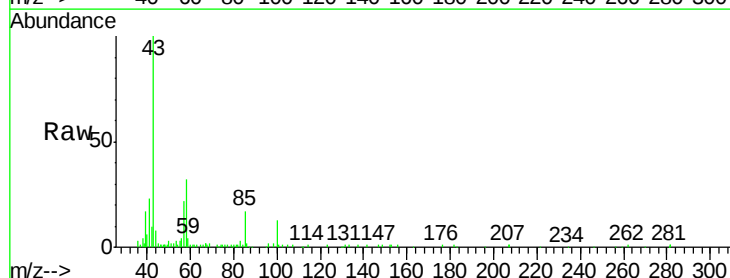
Manual Integrations
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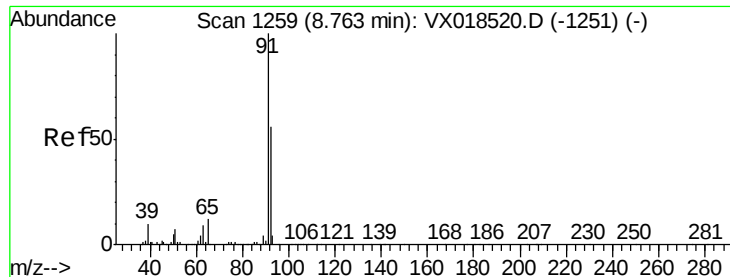
MMDadoda
 10/6/2020 1:13:38 PM



#40
 4-Methyl-2-pentanone
 Concen: 3.984 ug/L
 RT: 8.62 min Scan# 1236
 Delta R.T. 0.01 min
 Lab File: VX018524.D
 Acq: 22 Sep 2020 16:20

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.3	30.6	45.8
100	14.7	12.2	18.2





#42

Toluene

Concen: 2.216 ug/L

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX018524.D

Acq: 22 Sep 2020 16:20

Instrument :

MSVOA_X

ClientSampled :

MDL02

Tot Ion: 91 Resp: 38673

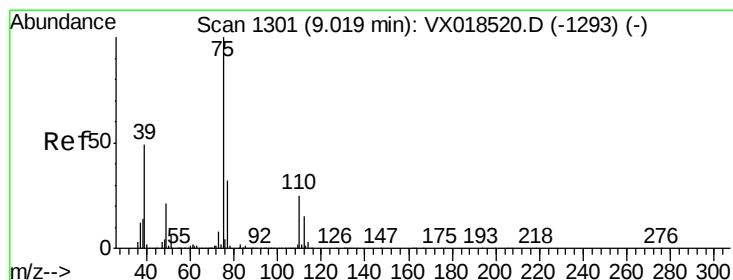
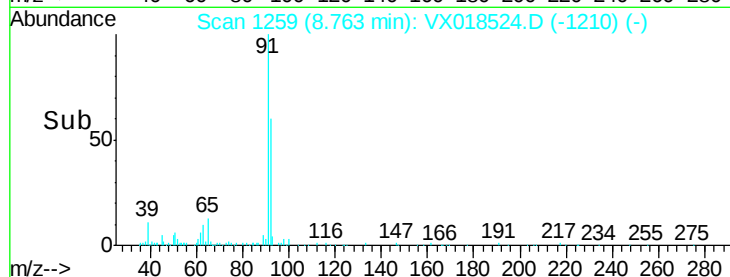
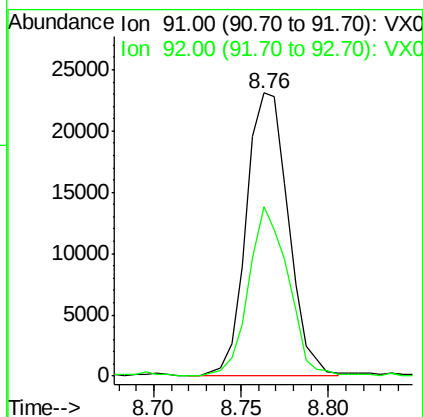
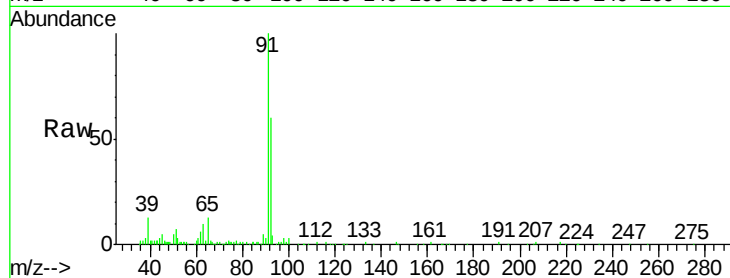
Ion Ratio Lower Upper

91 100

92 59.7 41.9 77.7

Manual Integrations
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MMDadoda
10/6/2020 1:13:38 PM



#44

trans-1,3-Dichloropropene

Concen: 2.080 ug/L

RT: 9.02 min Scan# 1302

Delta R.T. 0.01 min

Lab File: VX018524.D

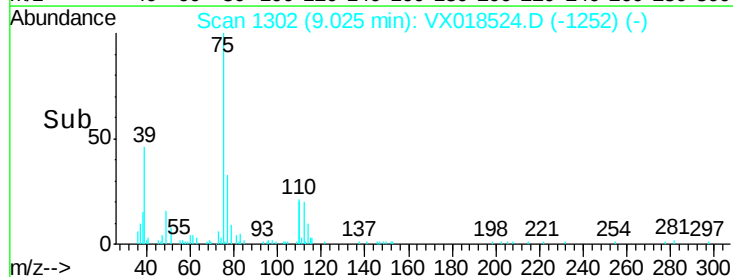
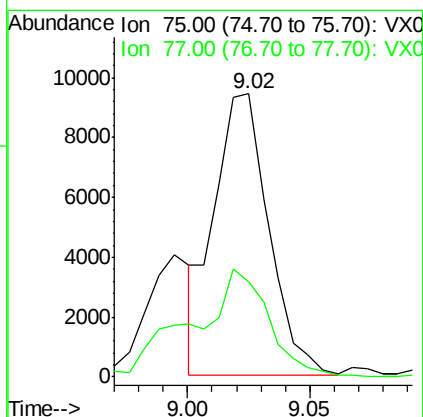
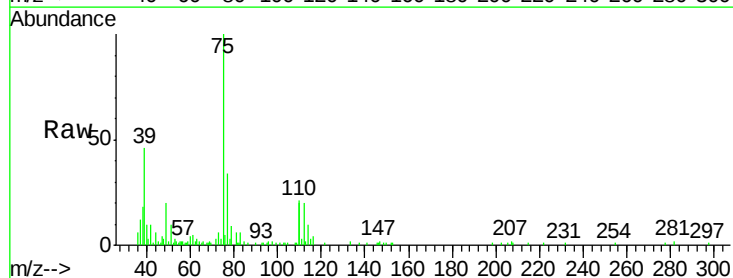
Acq: 22 Sep 2020 16:20

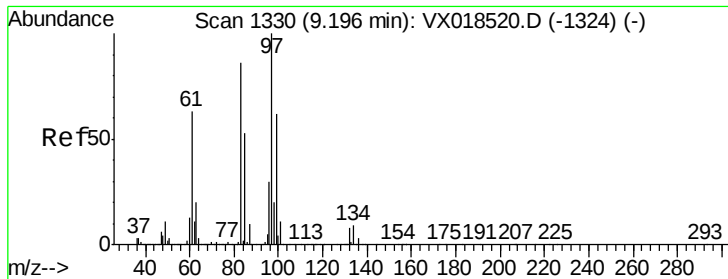
Tgt Ion: 75 Resp: 14644

Ion Ratio Lower Upper

75 100

77 33.7 23.6 43.8





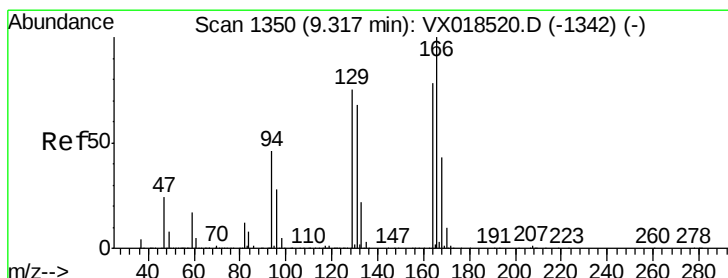
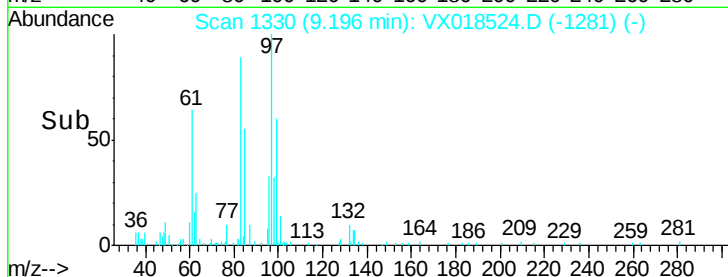
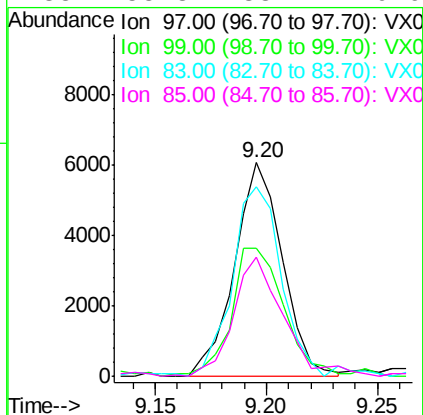
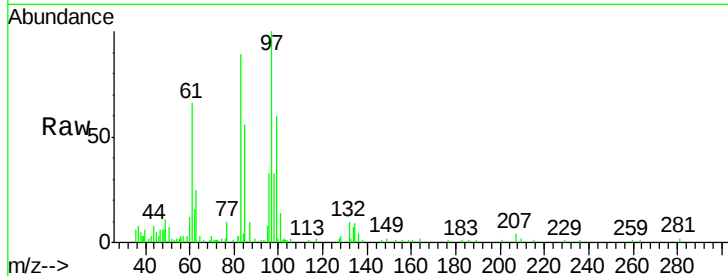
#45
1,1,2-Trichloroethane
Concen: 2.194 ug/L
RT: 9.20 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VX018524.D
Acq: 22 Sep 2020 16:20

Instrument :
MSVOA_X
ClientSampleId :
MDL02

Tot Ion:	97	Resp:	9110
Ion	Ratio	Lower	Upper
97	100		
99	60.2	43.5	80.9
83	88.9	60.8	113.0
85	55.8	38.1	70.9

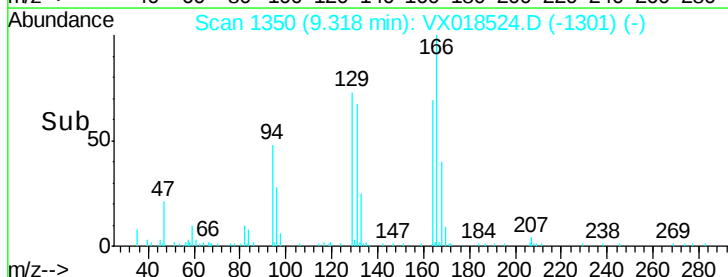
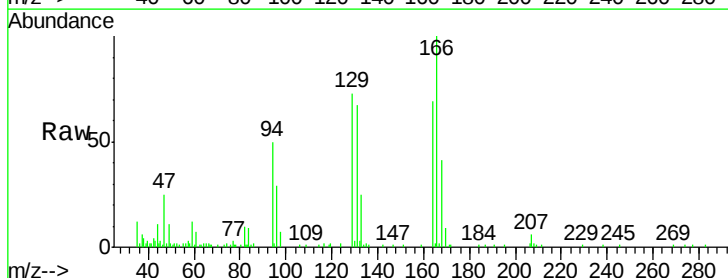
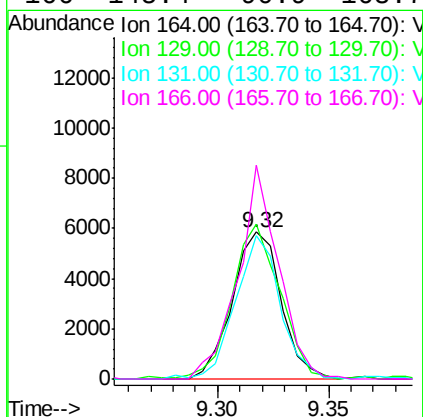
Manual Integrations
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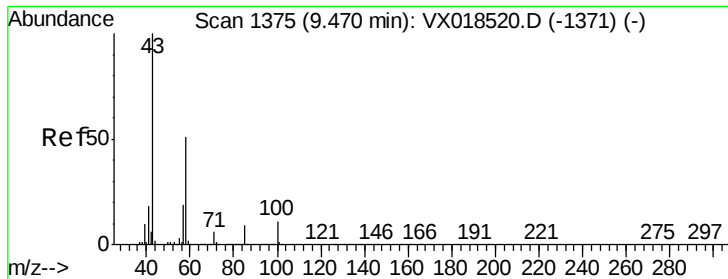
MMDadoda
10/6/2020 1:13:38 PM



#46
Tetrachloroethene
Concen: 2.403 ug/L
RT: 9.32 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VX018524.D
Acq: 22 Sep 2020 16:20

Tgt Ion:	164	Resp:	8961
Ion	Ratio	Lower	Upper
164	100		
129	105.6	69.7	129.5
131	97.2	63.4	117.8
166	145.4	90.9	168.7





#48

2-Hexanone

Concen: 4.288 ug/L

RT: 9.48 min Scan# 1376

Delta R.T. 0.01 min

Lab File: VX018524.D

Acq: 22 Sep 2020 16:20

Instrument :

MSVOA_X

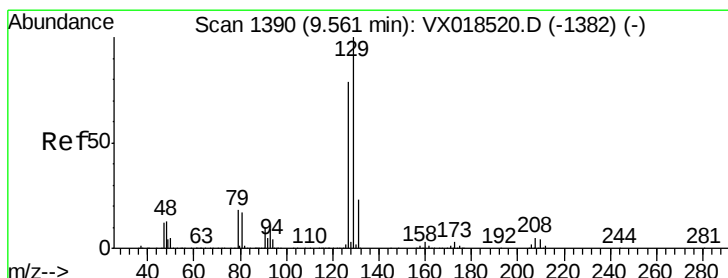
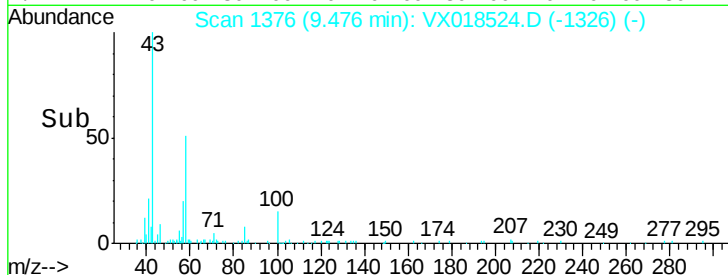
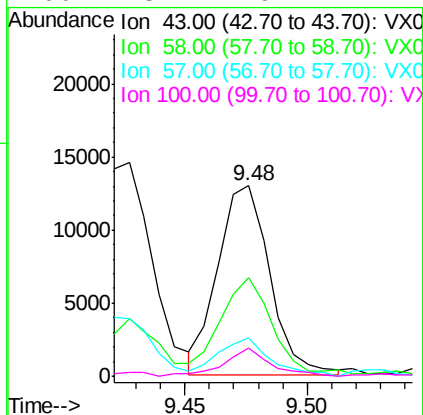
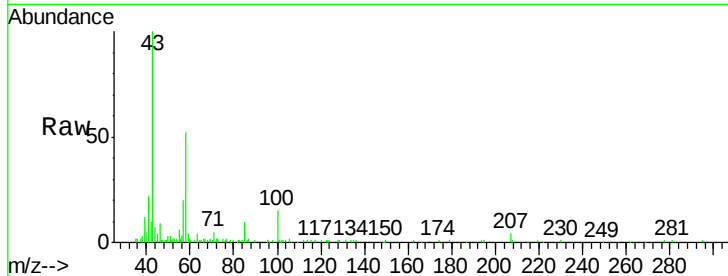
ClientSampled :

MDL02

Tot Ion:	43	Resp:	19202
Ion	Ratio	Lower	Upper
43	100		
58	51.6	43.0	64.6
57	20.2	15.6	23.4
100	13.1	9.4	14.2

Manual Integrations
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MMDadoda
10/6/2020 1:13:38 PM



#49

Dibromochloromethane

Concen: 2.129 ug/L

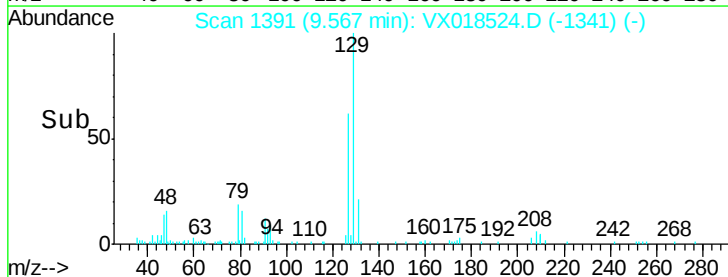
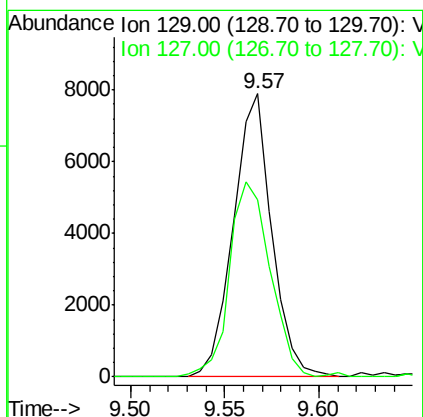
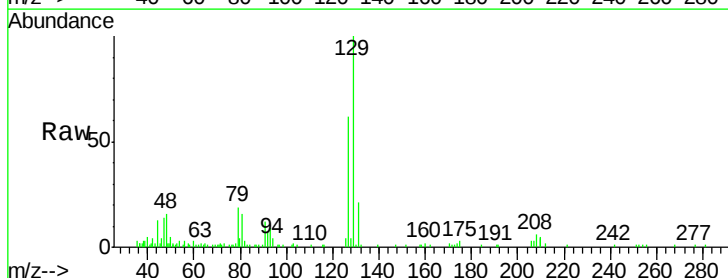
RT: 9.57 min Scan# 1391

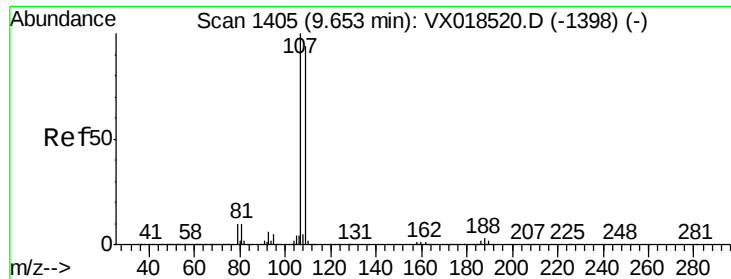
Delta R.T. 0.01 min

Lab File: VX018524.D

Acq: 22 Sep 2020 16:20

Tgt Ion:	129	Resp:	11139
Ion	Ratio	Lower	Upper
129	100		
127	62.5	52.6	97.6





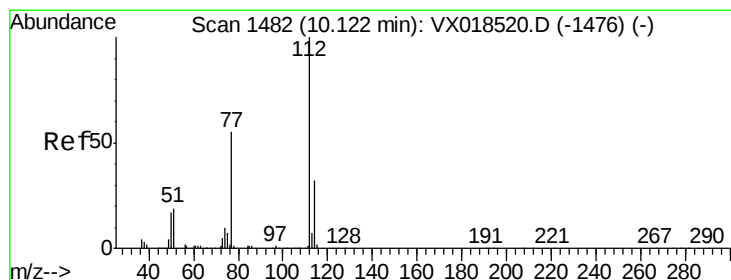
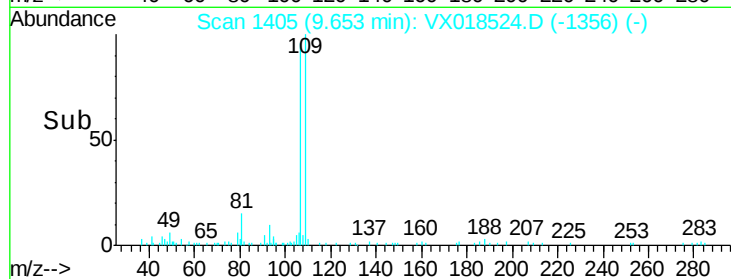
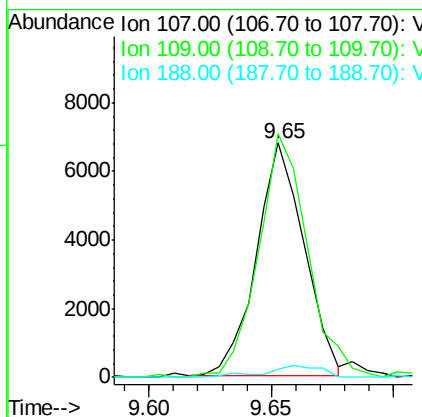
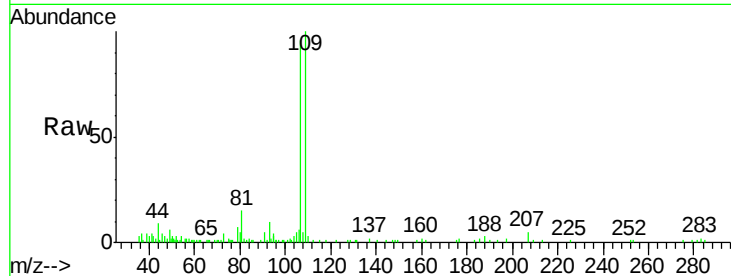
#50
 1,2-Dibromoethane
 Concen: 2.013 ug/L
 RT: 9.65 min Scan# 1405
 Delta R.T. 0.00 min
 Lab File: VX018524.D
 Acq: 22 Sep 2020 16:20

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL02

Tot Ion	Ratio	Lower	Upper
107	100		
109	103.9	65.7	121.9
188	3.5	3.0	4.4

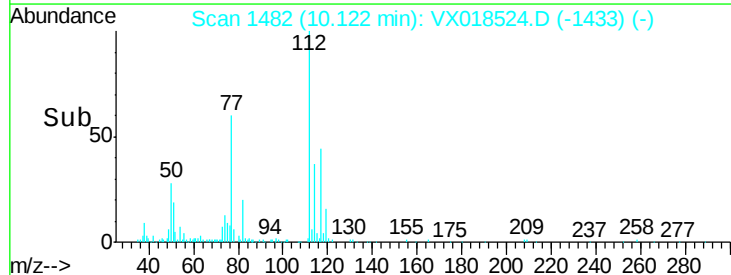
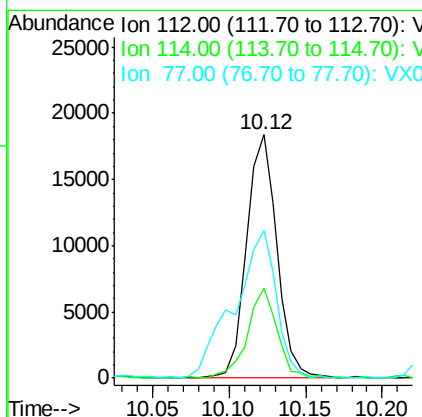
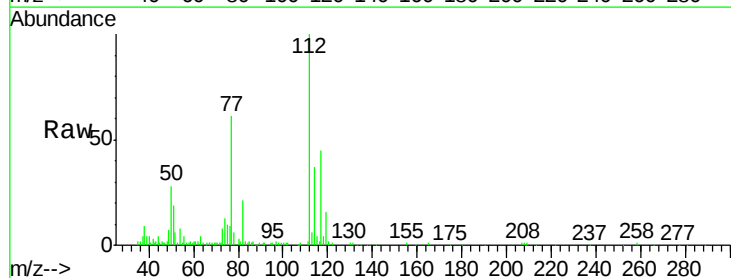
Manual Integrations
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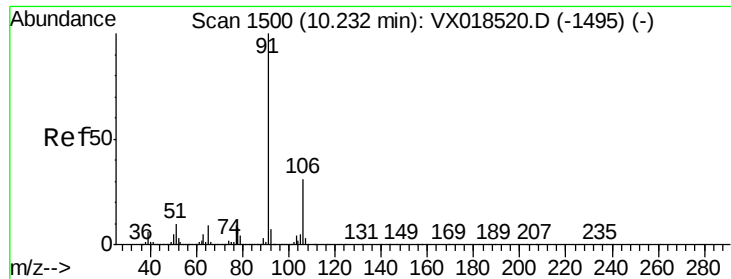
MMDadoda
 10/6/2020 1:13:38 PM



#51
 Chlorobenzene
 Concen: 2.165 ug/L
 RT: 10.12 min Scan# 1482
 Delta R.T. 0.00 min
 Lab File: VX018524.D
 Acq: 22 Sep 2020 16:20

Tgt Ion	Ratio	Lower	Upper
112	100		
114	37.0	22.2	41.2
77	60.9	46.1	69.1





#52

Ethylbenzene

Concen: 2.028 ug/L

RT: 10.23 min Scan# 1500

Delta R.T. 0.00 min

Lab File: VX018524.D

Acq: 22 Sep 2020 16:20

Instrument :

MSVOA_X

ClientSampleId :

MDL02

Tot Ion: 91 Resp: 39422

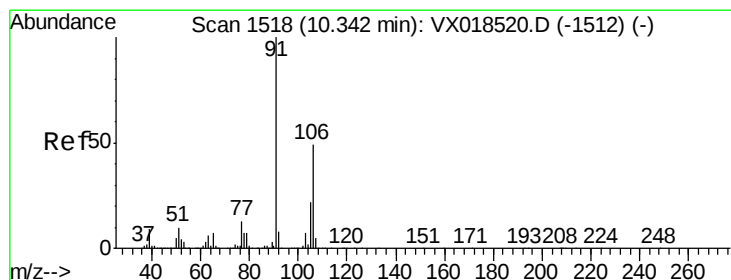
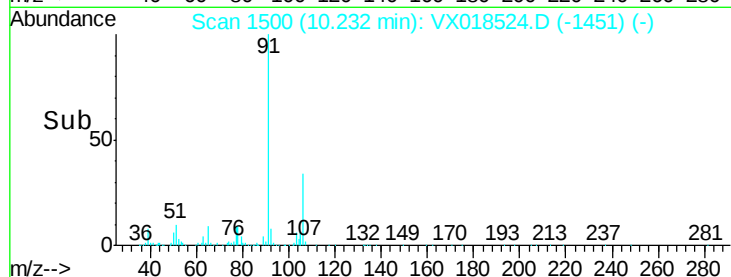
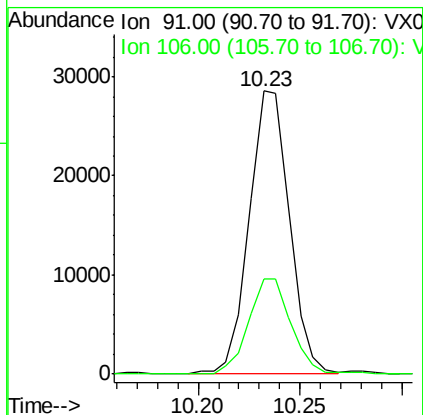
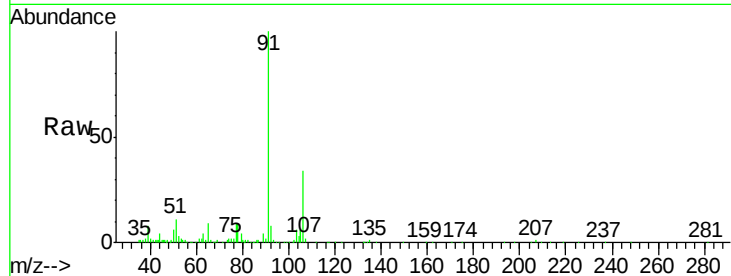
Ion Ratio Lower Upper

91 100

106 33.8 22.0 41.0

Manual Integrations
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10/6/2020 1:13:38 PM



#53

m,p-Xylene

Concen: 1.969 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX018524.D

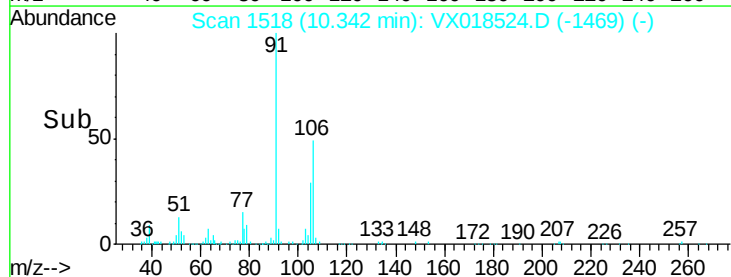
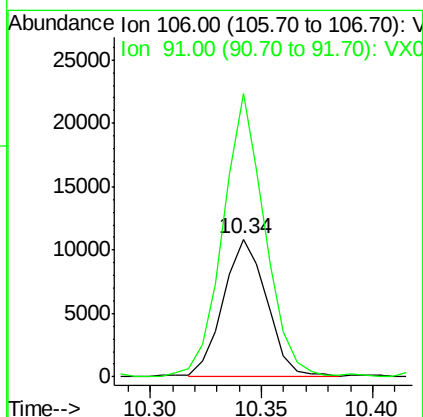
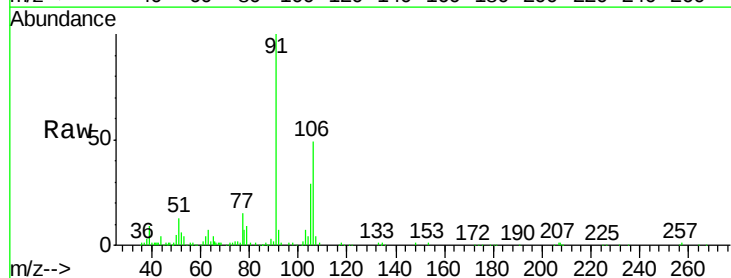
Acq: 22 Sep 2020 16:20

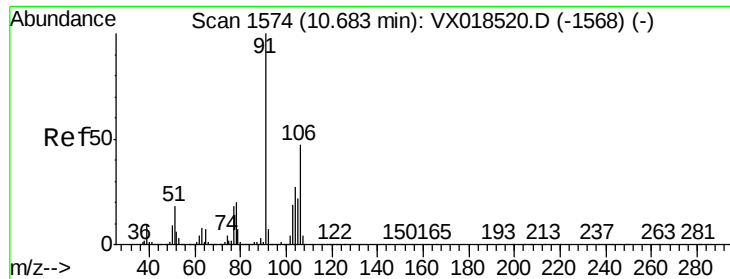
Tgt Ion: 106 Resp: 14576

Ion Ratio Lower Upper

106 100

91 205.3 142.2 264.0





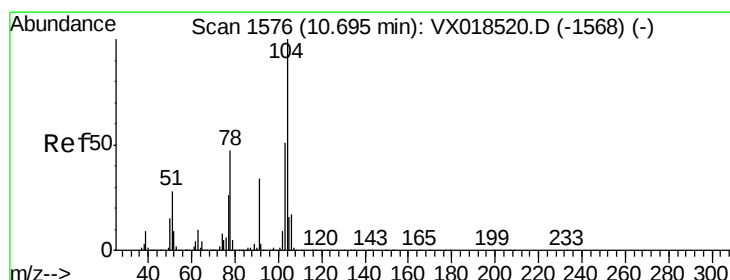
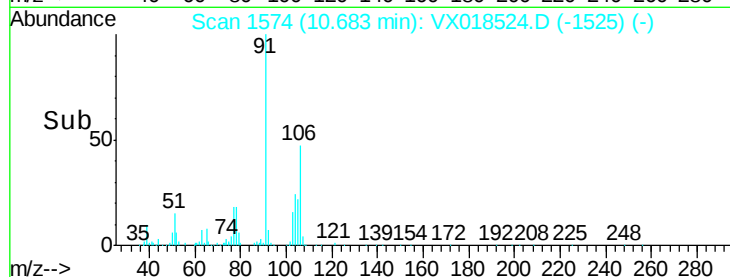
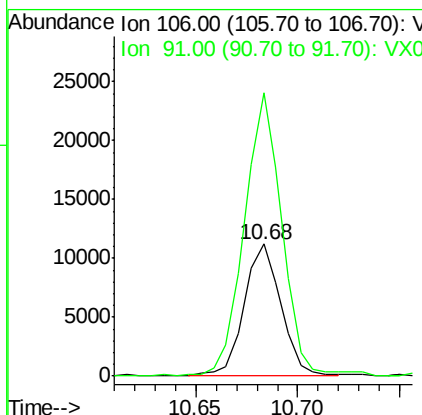
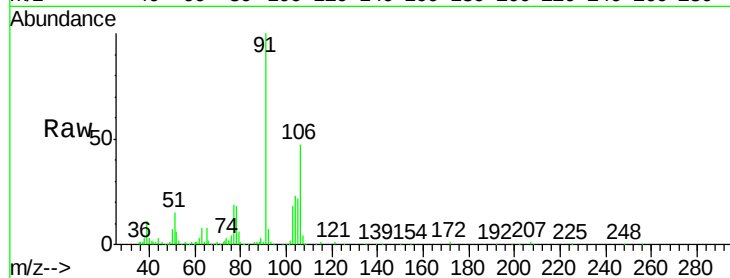
#54
o-Xylene
Concen: 1.982 ug/L
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX018524.D
Acq: 22 Sep 2020 16:20

Instrument :
MSVOA_X
ClientSampled :
MDL02

Tot Ion:106 Resp: 14132
Ion Ratio Lower Upper
106 100
91 214.2 152.2 282.6

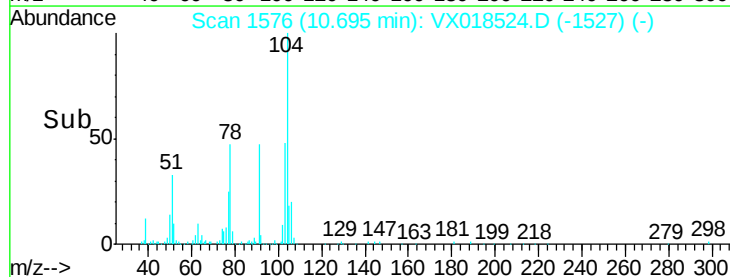
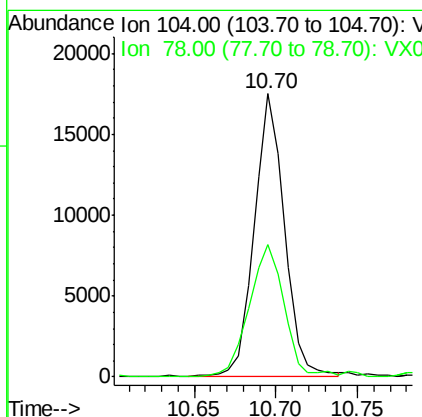
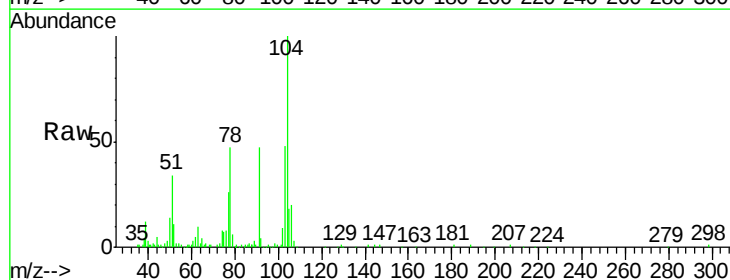
Manual Integrations
APPROVED

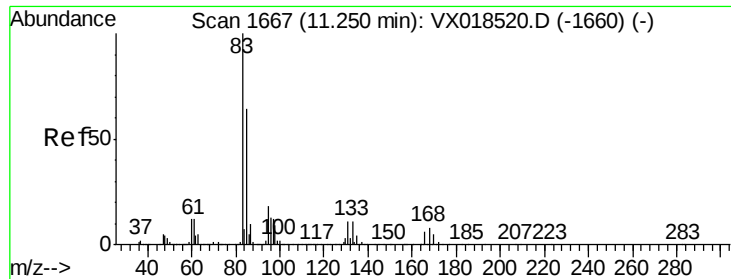
MMDadoda
10/6/2020 1:13:38 PM



#55
Styrene
Concen: 1.844 ug/L
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX018524.D
Acq: 22 Sep 2020 16:20

Tgt Ion:104 Resp: 22637
Ion Ratio Lower Upper
104 100
78 46.7 33.5 62.3





#57

1,1,2,2-Tetrachloroethane

Concen: 2.332 ug/L

RT: 11.25 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VX018524.D

Acq: 22 Sep 2020 16:20

Instrument :

MSVOA_X

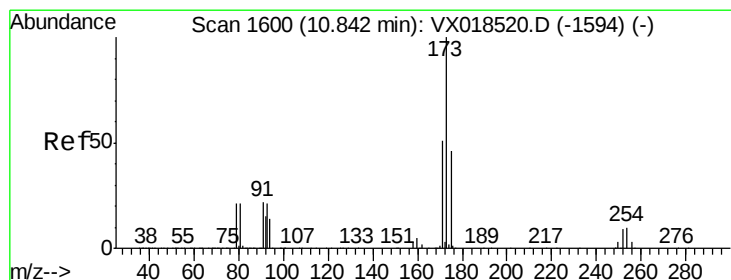
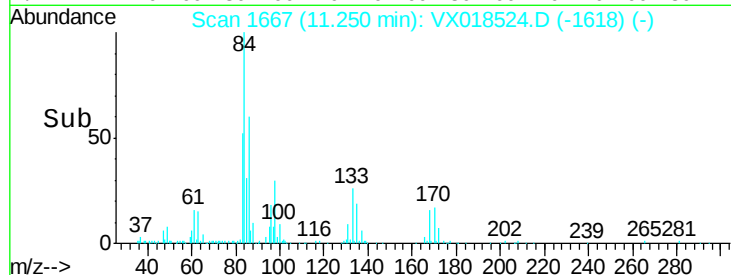
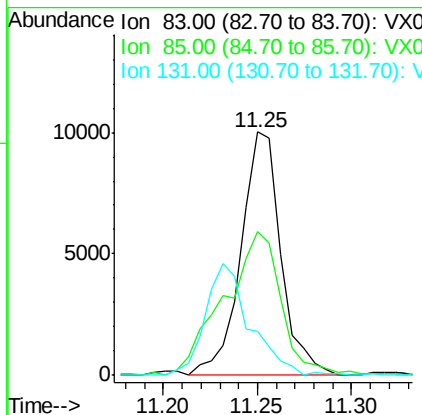
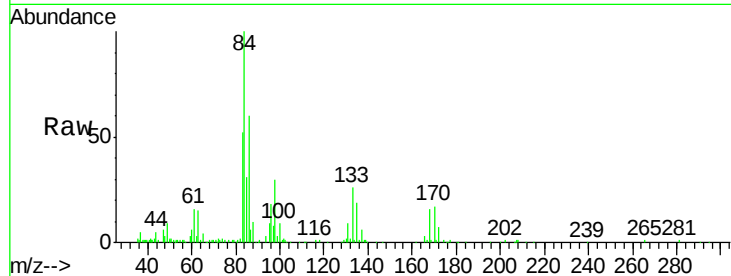
ClientSampled :

MDL02

Tot Ion:	83	Resp:	14818
Ion Ratio	Lower	Upper	
83	100		
85	59.3	45.6	84.8
131	17.9	8.0	12.0#

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#59

Bromoform

Concen: 2.054 ug/L

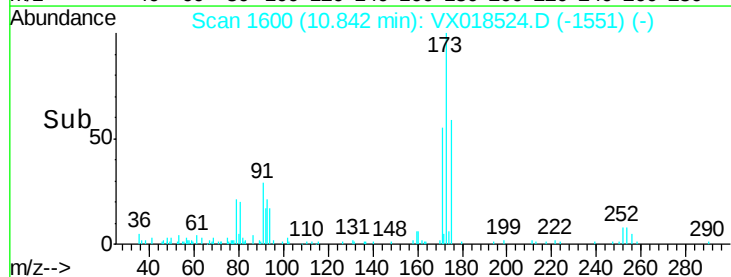
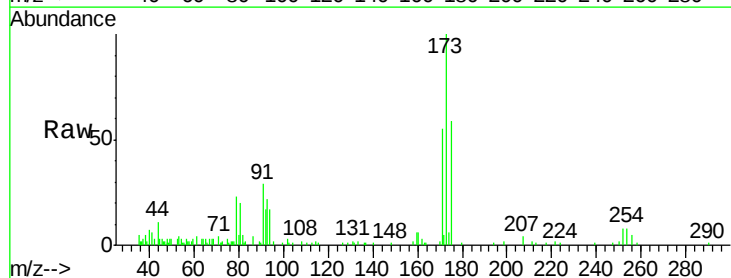
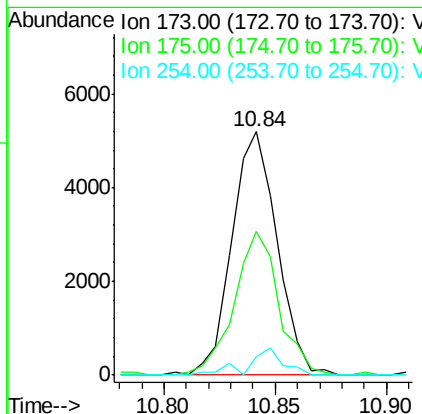
RT: 10.84 min Scan# 1600

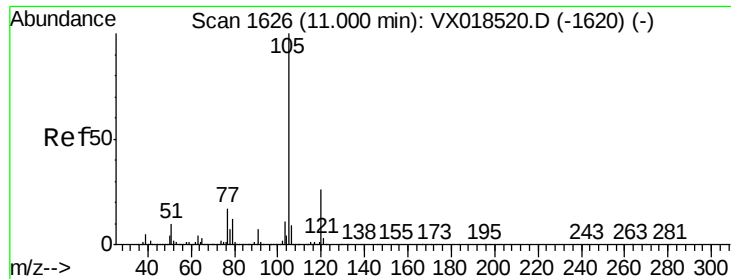
Delta R.T. 0.00 min

Lab File: VX018524.D

Acq: 22 Sep 2020 16:20

Tgt Ion:	173	Resp:	7328
Ion Ratio	Lower	Upper	
173	100		
175	58.3	37.7	56.5#
254	6.7	7.2	10.8#





#60

Isopropylbenzene

Concen: 2.023 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX018524.D

Acq: 22 Sep 2020 16:20

Instrument :

MSVOA_X

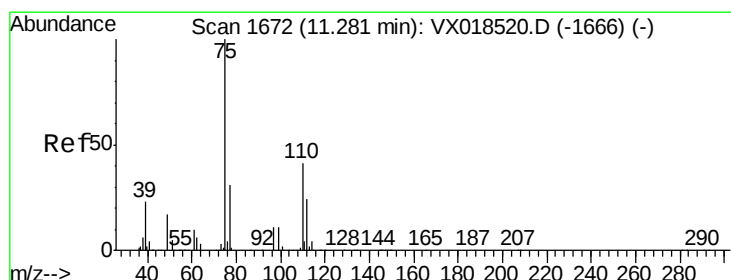
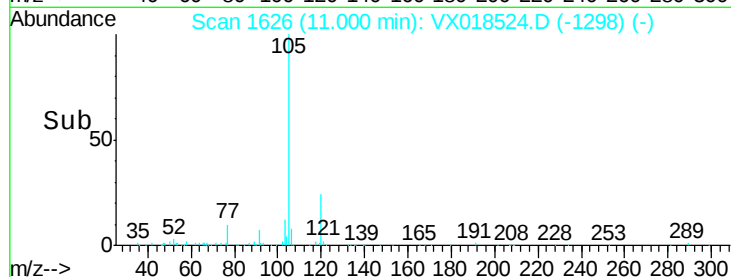
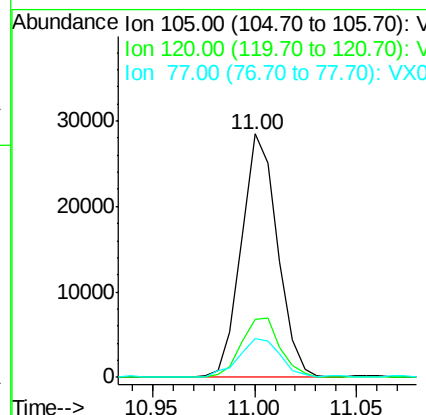
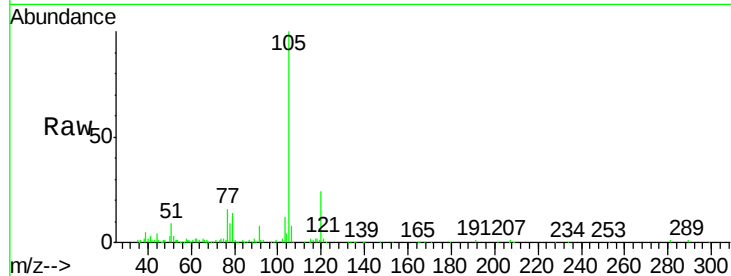
ClientSampleId :

MDL02

Tot Ion:	105	Resp:	35019
Ion Ratio	Lower	Upper	
105	100		
120	26.2	21.8	32.8
77	18.4	12.7	19.1

Manual Integrations
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#61

1,2,3-Trichloropropane

Concen: 2.266 ug/L

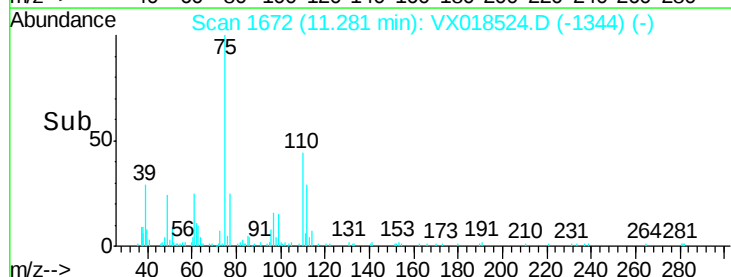
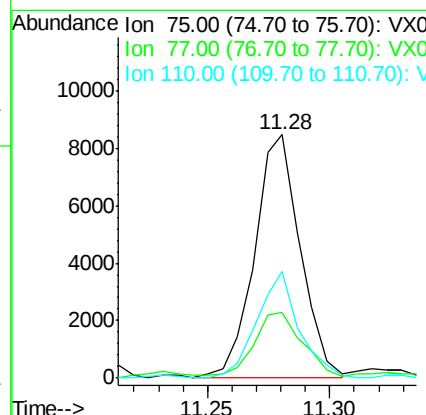
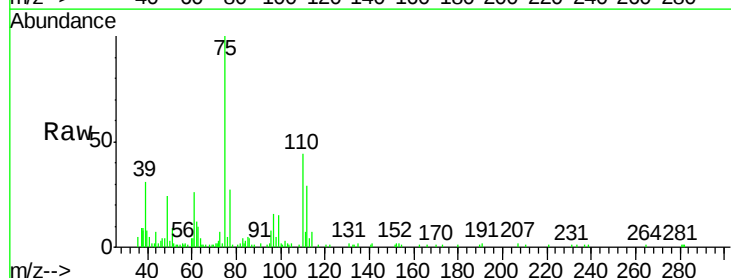
RT: 11.28 min Scan# 1672

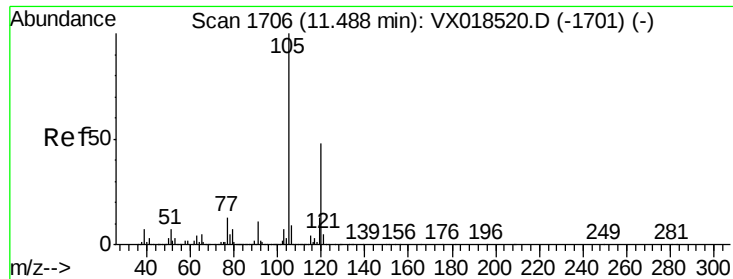
Delta R.T. 0.00 min

Lab File: VX018524.D

Acq: 22 Sep 2020 16:20

Tgt Ion:	75	Resp:	11063
Ion Ratio	Lower	Upper	
75	100		
77	29.2	26.0	39.0
110	40.2	32.4	48.6





#62

1,3,5-Trimethylbenzene

Concen: 1.833 ug/L

RT: 11.49 min Scan# 1707

Delta R.T. 0.01 min

Lab File: VX018524.D

Acq: 22 Sep 2020 16:20

Instrument :

MSVOA_X

ClientSampleId :

MDL02

Tot Ion:105 Resp: 26207

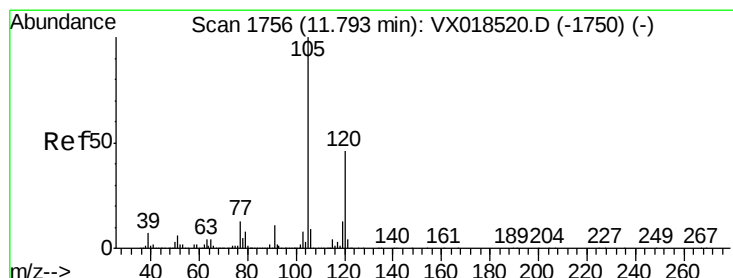
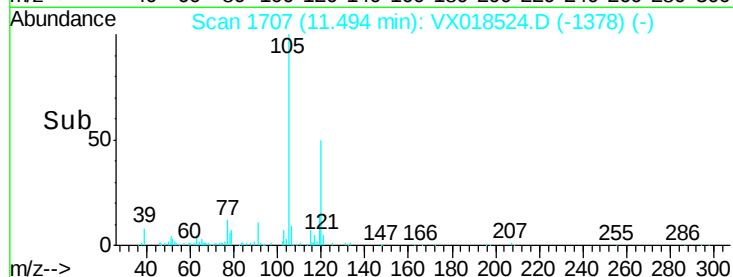
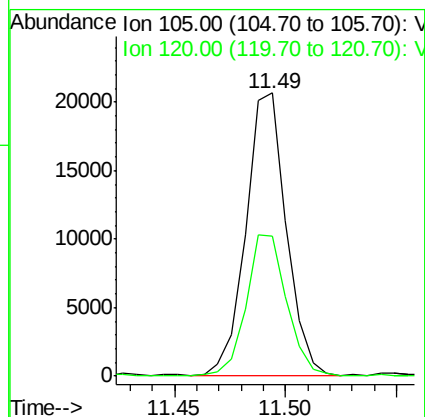
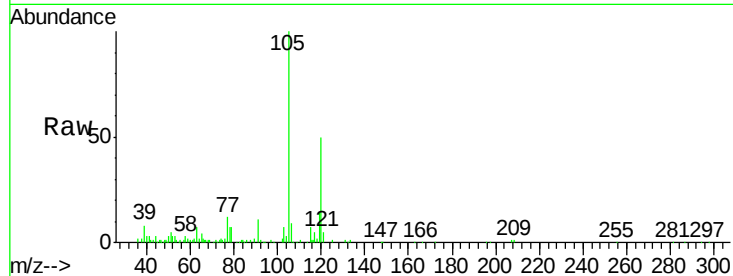
Ion Ratio Lower Upper

105 100

120 49.9 38.6 58.0

Manual Integrations
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#63

1,2,4-Trimethylbenzene

Concen: 1.787 ug/L

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX018524.D

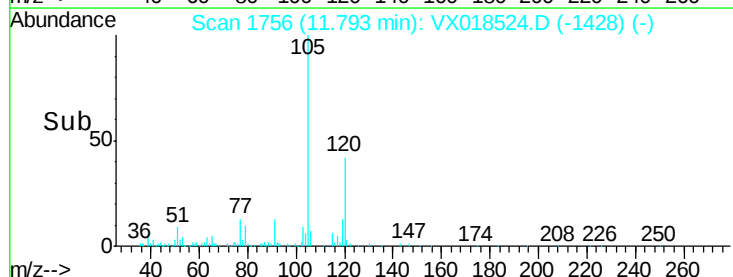
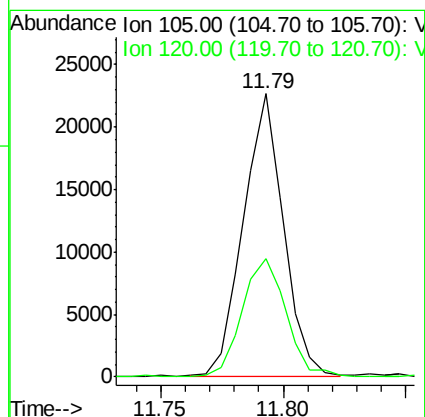
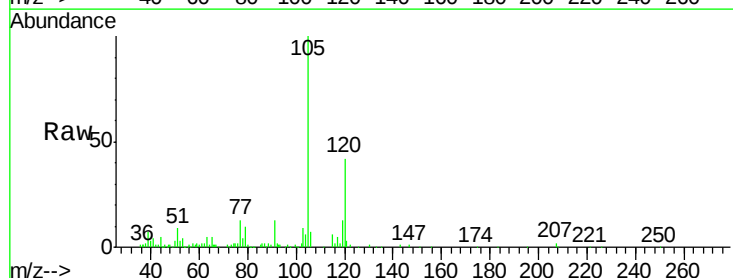
Acq: 22 Sep 2020 16:20

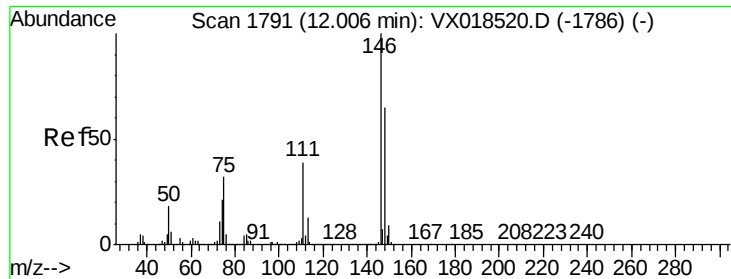
Tgt Ion:105 Resp: 26018

Ion Ratio Lower Upper

105 100

120 45.4 35.8 53.8





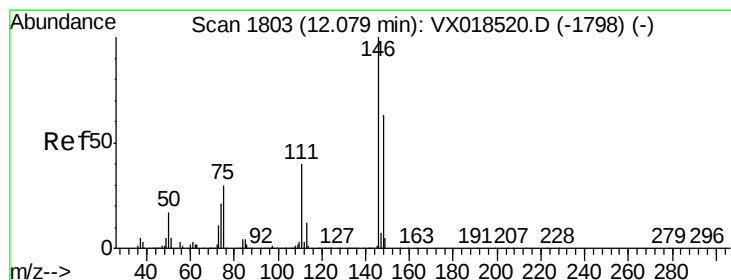
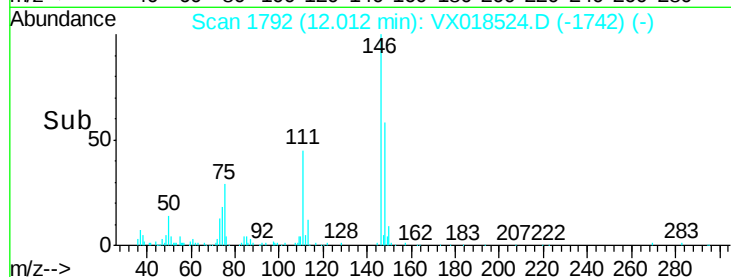
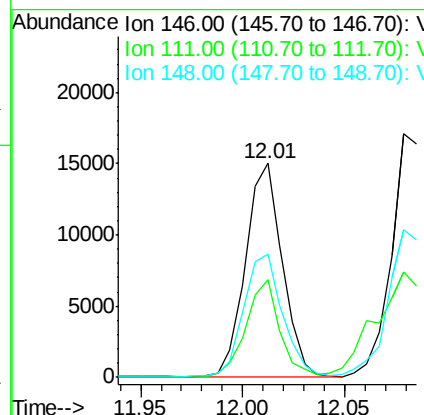
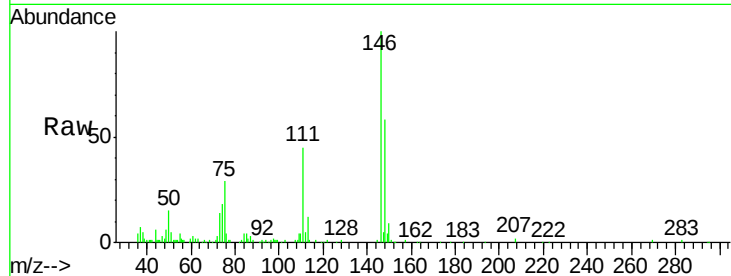
#64
 1,3-Dichlorobenzene
 Concen: 2.215 ug/L
 RT: 12.01 min Scan# 1792
 Delta R.T. 0.01 min
 Lab File: VX018524.D
 Acq: 22 Sep 2020 16:20

Instrument :
 MSVOA_X
 ClientSampled :
 MDL02

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.5	27.8	51.6
148	57.9	42.6	79.2

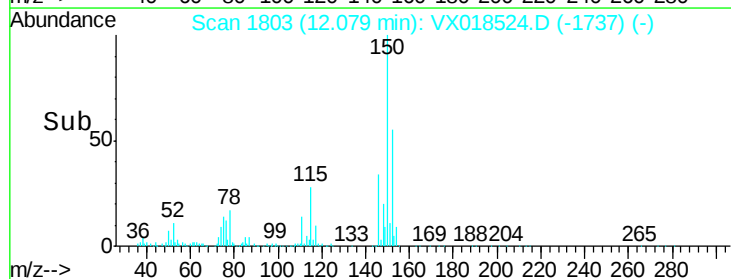
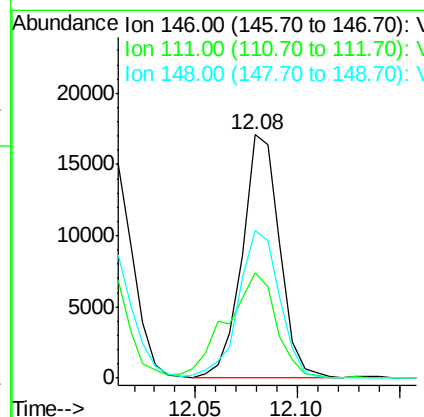
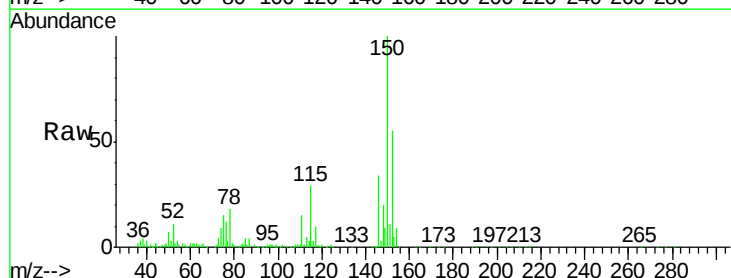
Manual Integrations
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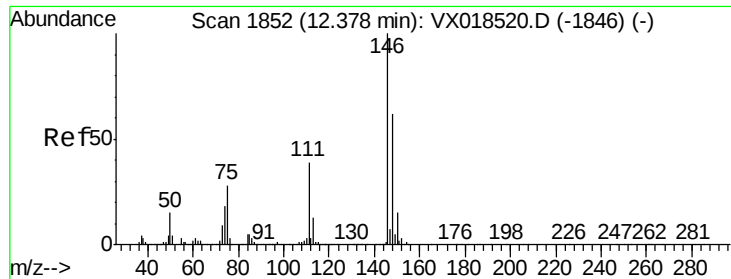
MMDadoda
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#65
 1,4-Dichlorobenzene
 Concen: 2.522 ug/L
 RT: 12.08 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VX018524.D
 Acq: 22 Sep 2020 16:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.2	27.9	51.7
148	60.4	40.5	75.3





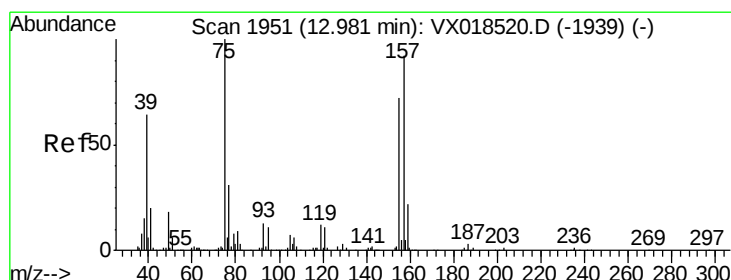
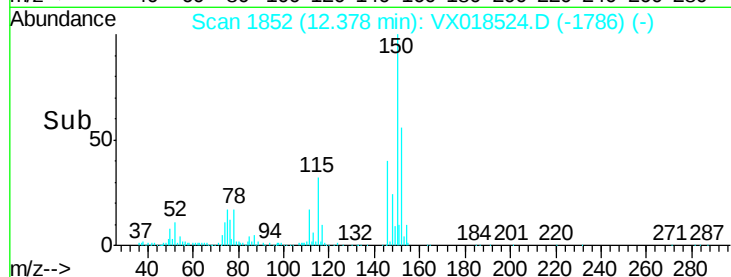
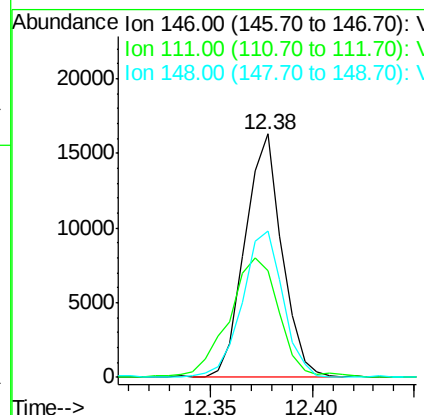
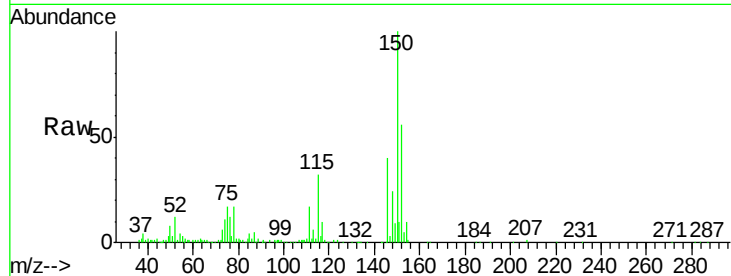
#67
 1,2-Dichlorobenzene
 Concen: 2.496 ug/L
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VX018524.D
 Acq: 22 Sep 2020 16:20

Instrument :
 MSVOA_X
 ClientSampled :
 MDL02

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.8	33.1	49.7
148	60.1	48.4	72.6

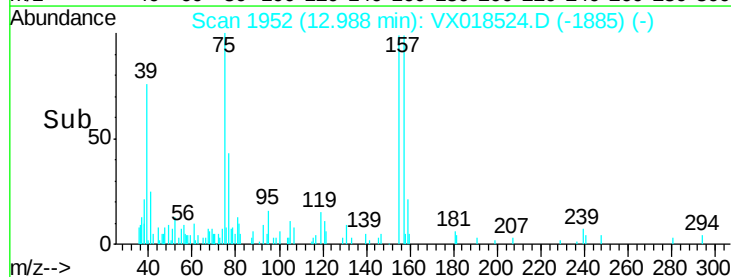
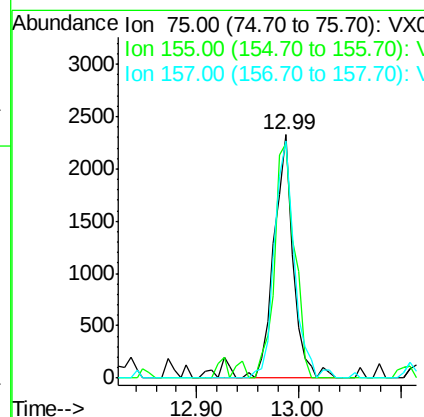
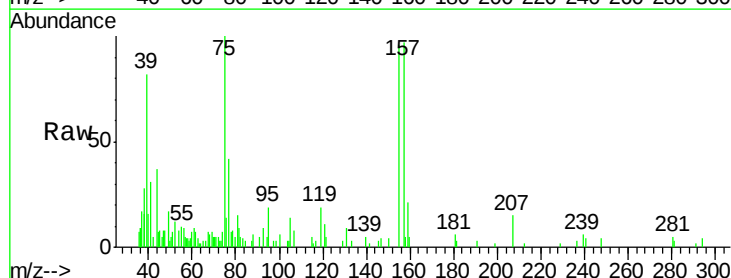
Manual Integrations
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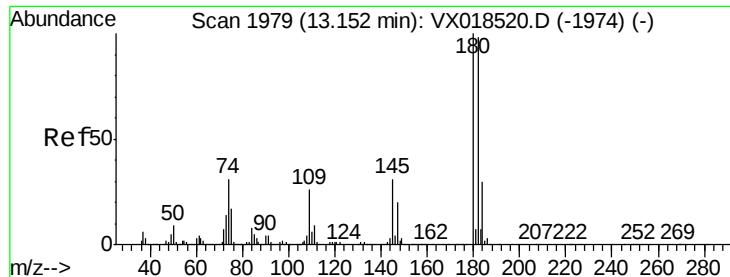
MMDadoda
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#68
 1,2-Dibromo-3-chloropropane
 Concen: 2.233 ug/L
 RT: 12.99 min Scan# 1952
 Delta R.T. 0.01 min
 Lab File: VX018524.D
 Acq: 22 Sep 2020 16:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.3	59.4	89.0#
157	97.2	80.7	121.1





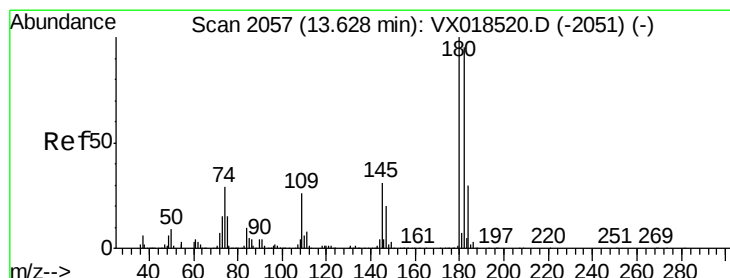
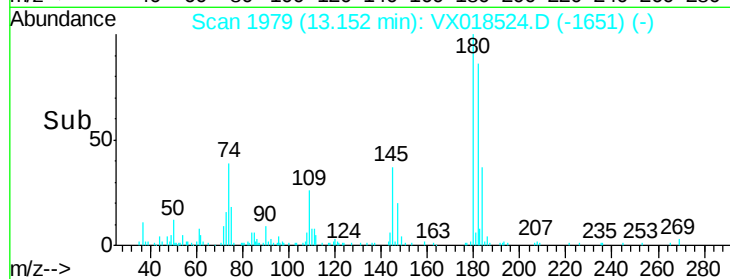
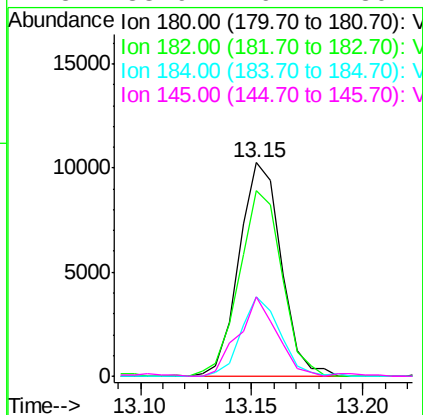
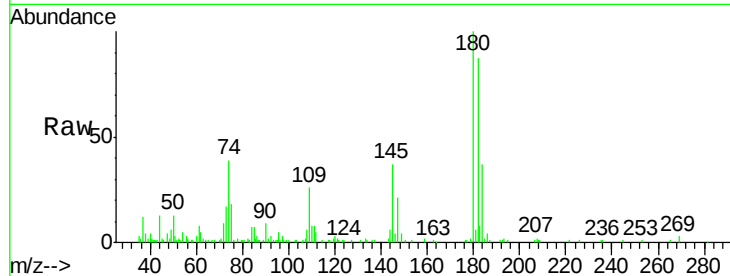
#69
 1,3,5-Trichlorobenzene
 Concen: 2.386 ug/L
 RT: 13.15 min Scan# 1979
 Delta R.T. 0.00 min
 Lab File: VX018524.D
 Acq: 22 Sep 2020 16:20

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL02

Tot Ion:	180	Resp:	13533
Ion Ratio	Lower	Upper	
180	100		
182	88.5	82.5	123.7
184	34.5	25.4	38.2
145	33.9	26.2	39.2

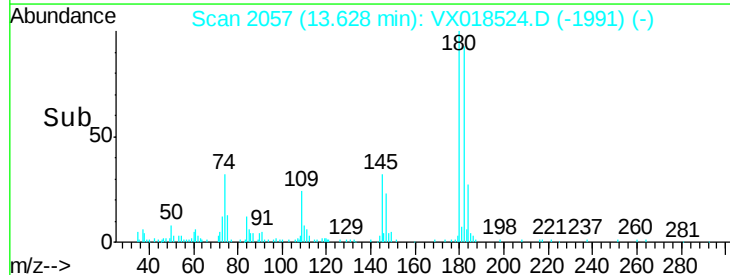
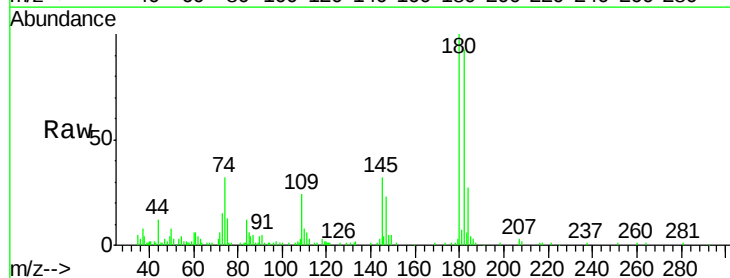
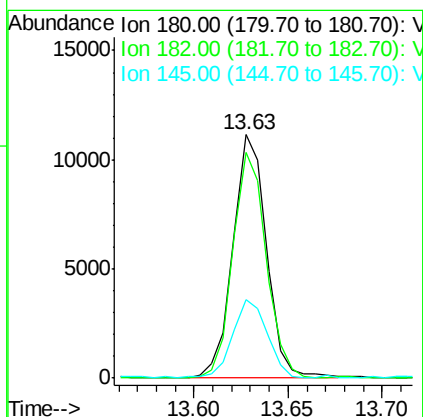
Manual Integrations
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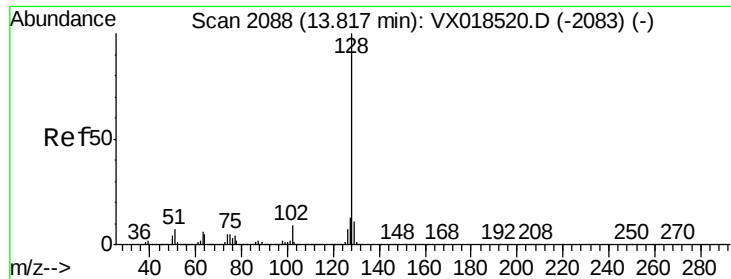
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#70
 1,2,4-trichlorobenzene
 Concen: 2.664 ug/L
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX018524.D
 Acq: 22 Sep 2020 16:20

Tgt Ion:	180	Resp:	13871
Ion Ratio	Lower	Upper	
180	100		
182	91.8	78.6	118.0
145	32.9	27.0	40.4





#71

Naphthalene

Concen: 1.667 ug/L

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX018524.D

Acq: 22 Sep 2020 16:20

Instrument :

MSVOA_X

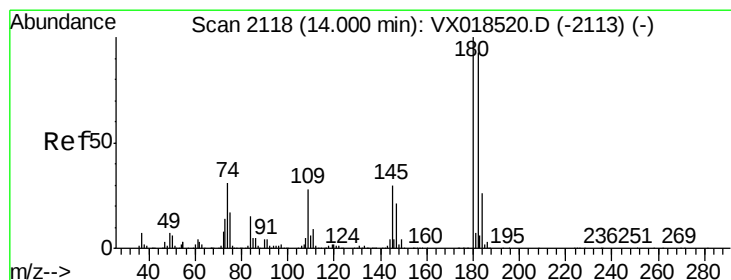
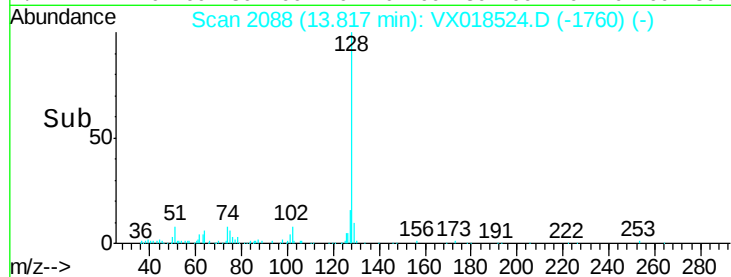
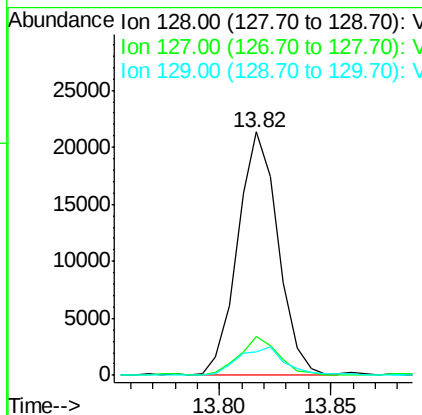
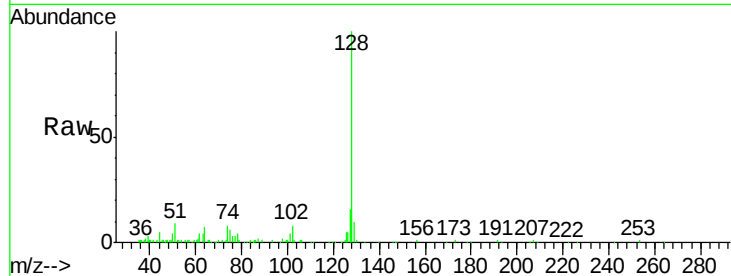
ClientSampled :

MDL02

Tot Ion:	128	Resp:	27097
Ion Ratio	Lower	Upper	
128	100		
127	15.3	10.6	15.8
129	13.0	8.8	13.2

Manual Integrations
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#72

1,2,3-Trichlorobenzene

Concen: 2.085 ug/L

RT: 14.01 min Scan# 2119

Delta R.T. 0.01 min

Lab File: VX018524.D

Acq: 22 Sep 2020 16:20

Tgt Ion:	180	Resp:	10882
Ion Ratio	Lower	Upper	
180	100		
182	101.2	76.6	114.8
145	38.4	27.1	40.7

