

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX090220\
 Data File : VX018215.D
 Acq On : 02 Sep 2020 15:04
 Operator : JC/SP
 Sample : MDL03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL03

Manual Integrations
 APPROVED

MMDadoda
 9/3/2020 9:53:57 AM

Quant Time: Sep 03 05:17:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXML090220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 03 04:54:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	672094	50.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	642904	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	12.06	152	294677	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	252738	46.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.20%
7) Chloroethane-d5	1.70	69	190880	46.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.58%
11) 1,1-Dichloroethene-d2	2.34	63	390413	37.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.92%
21) 2-Butanone-d5	4.54	46	353779	94.23	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.23%
24) Chloroform-d	5.14	84	483355	48.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.82%
26) 1,2-Dichloroethane-d4	6.03	65	349604	47.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.72%
32) Benzene-d6	6.05	84	950735	49.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.56%
36) 1,2-Dichloropropane-d6	7.37	67	305674	50.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.82%
41) Toluene-d8	8.70	98	872136	47.07	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.14%
43) trans-1,3-Dichloropropene-	8.99	79	164642	49.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.32%
47) 2-Hexanone-d5	9.43	63	259495	97.54	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.54%
57) 1,1,2,2-Tetrachloroethane-	11.23	84	385729	47.65	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.30%
64) 1,2-Dichlorobenzene-d4	12.36	152	340361	53.17	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.34%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	10799	1.889 ug/L	99
3) Chloromethane	1.31	50	10350	1.976 ug/L	92
5) Vinyl chloride	1.39	62	11693m	2.245 ug/L	
6) Bromomethane	1.64	94	7035	2.362 ug/L	97
8) Chloroethane	1.72	64	6453	2.107 ug/L	100
9) Trichlorofluoromethane	1.92	101	16778	1.941 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.37	101	12374	2.633 ug/L #	79
12) 1,1-Dichloroethene	2.36	96	11478m	2.596 ug/L	
13) Acetone	2.43	43	9662	4.515 ug/L	84
14) Carbon disulfide	2.56	76	28661	2.047 ug/L	95
15) Methyl Acetate	2.75	43	9595m	1.825 ug/L	
16) Methylene chloride	2.84	84	12812	2.556 ug/L	95
17) trans-1,2-Dichloroethene	3.14	96	8752	1.846 ug/L	88
18) Methyl tert-butyl Ether	3.17	73	26192	1.769 ug/L	96
19) 1,1-Dichloroethane	3.67	63	17109	1.925 ug/L	97
20) cis-1,2-Dichloroethene	4.57	96	9337	1.842 ug/L #	95
22) 2-Butanone	4.65	43	13356m	3.806 ug/L	

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

23) Bromochloromethane	4.98	128	6140m	2.164	uq/L	
25) Chloroform	5.18	83	39764m	3.911	uq/L	
27) 1,2-Dichloroethane	6.17	62	16277	2.113	uq/L #	86
29) Cyclohexane	5.56	56	12558	1.775	uq/L #	21
30) 1,1,1-Trichloroethane	5.46	97	17412	1.972	uq/L #	94
31) Carbon tetrachloride	5.76	117	15901	1.978	uq/L	97
33) Benzene	6.11	78	35830	1.926	uq/L	100
34) Trichloroethene	7.19	95	9816	1.880	uq/L	90
35) Methylcyclohexane	7.45	83	12014	1.655	uq/L	96
37) 1,2-Dichloropropane	7.50	63	9798	1.989	uq/L	99
38) Bromodichloromethane	7.88	83	13510	1.926	uq/L #	96
39) cis-1,3-Dichloropropene	8.42	75	13641m	1.776	uq/L	
40) 4-Methyl-2-pentanone	8.62	43	23502	3.519	uq/L	96
42) Toluene	8.77	91	39670	1.987	uq/L	96
44) trans-1,3-Dichloropropene	9.02	75	15540	1.923	uq/L	87
45) 1,1,2-Trichloroethane	9.20	97	9452	1.911	uq/L	88
46) Tetrachloroethene	9.32	164	8008	1.924	uq/L	86
48) 2-Hexanone	9.48	43	20285	3.757	uq/L #	96
49) Dibromochloromethane	9.57	129	11243	1.855	uq/L	90
50) 1,2-Dibromoethane	9.66	107	10070	1.923	uq/L #	89
51) Chlorobenzene	10.12	112	25975	1.910	uq/L	97
52) Ethylbenzene	10.24	91	36662	1.647	uq/L	100
53) m,p-Xylene	10.34	106	14219	1.672	uq/L	95
54) o-xylene	10.68	106	13041	1.607	uq/L	96
55) Styrene	10.70	104	21915	1.563	uq/L	100
56) Isopropylbenzene	11.01	105	33300	1.534	uq/L	98
58) 1,1,1,2,2-Tetrachloroethane	11.25	83	15409	2.122	uq/L #	88
59) 1,2,3-Trichloropropane	11.28	75	11288	1.794	uq/L	97
61) Bromoform	10.84	173	8043	1.925	uq/L #	97
62) 1,3-Dichlorobenzene	12.01	146	17801	1.839	uq/L	91
63) 1,4-Dichlorobenzene	12.09	146	20067	2.037	uq/L	95
65) 1,2-Dichlorobenzene	12.37	146	20040	2.149	uq/L	97
66) 1,2-Dibromo-3-chloropropan	12.98	75	3558	2.040	uq/L #	87
67) 1,3,5-Trichlorobenzene	13.15	180	12195	1.931	uq/L	95
68) 1,2,4-trichlorobenzene	13.63	180	10776	1.849	uq/L	94
69) Naphthalene	13.82	128	28443	1.544	uq/L #	96
70) 1,2,3-Trichlorobenzene	14.01	180	11139	1.911	uq/L	91

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

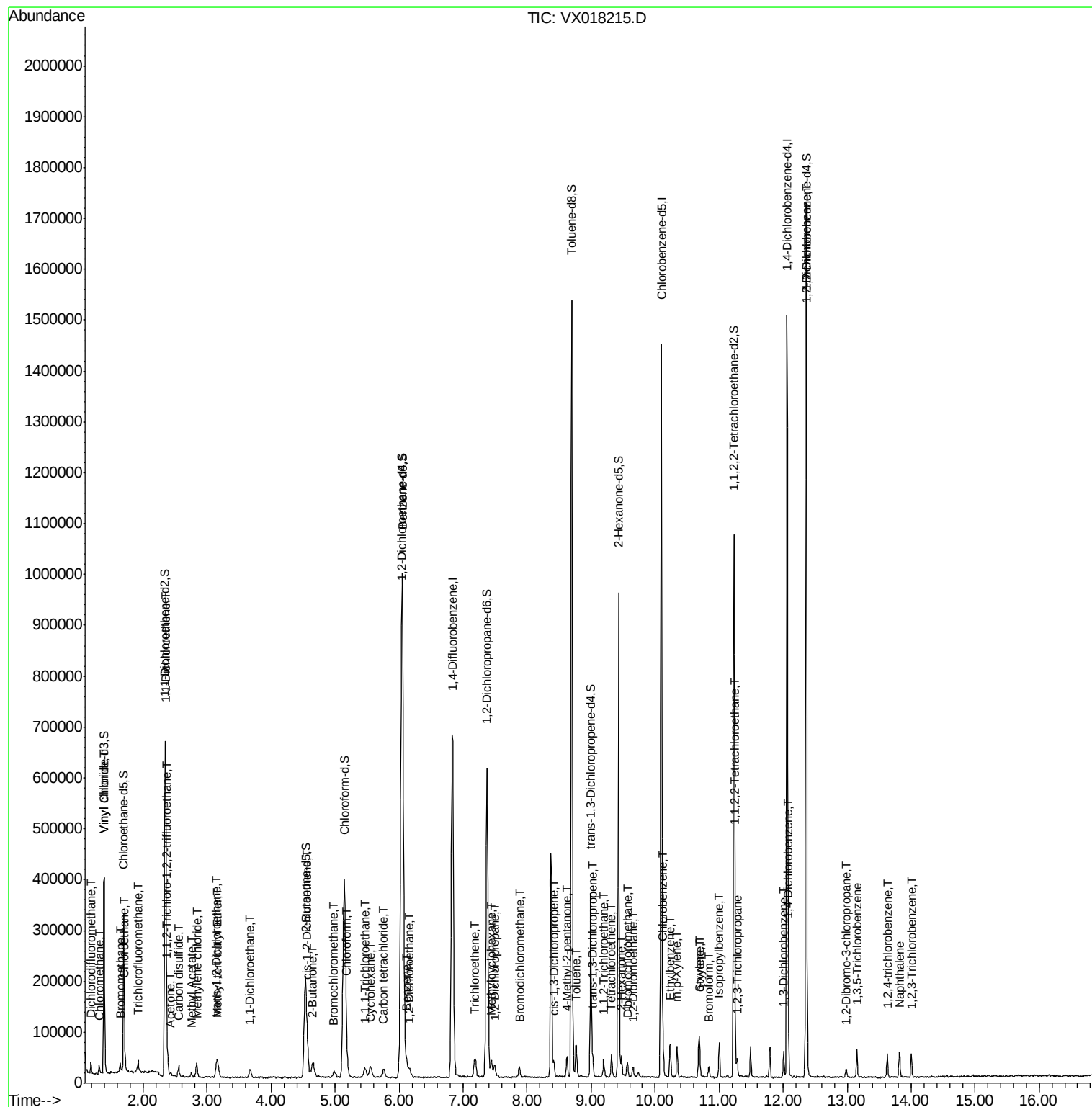
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX090220\
Data File : VX018215.D
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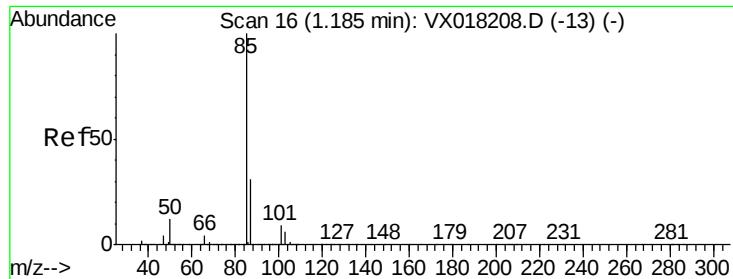
Instrument :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\SOMXLM090220WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Sep 03 04:54:32 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 1.889 ug/L

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX018215.D

Acq: 02 Sep 2020 15:04

Instrument :

MSVOA_X

ClientSampleId :

MDL03

Tot Ion: 85 Resp: 10799

Ion Ratio Lower Upper

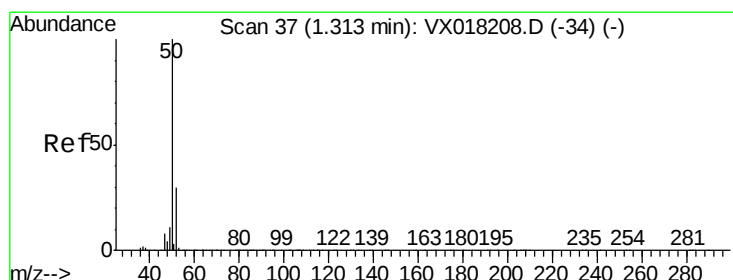
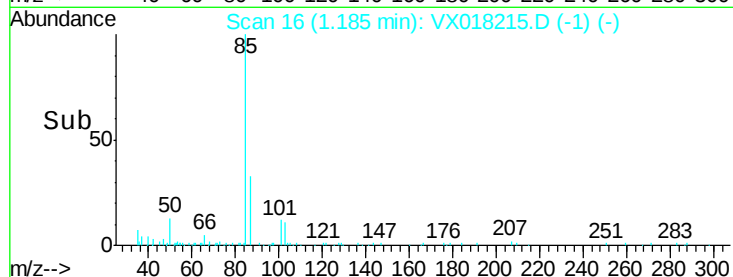
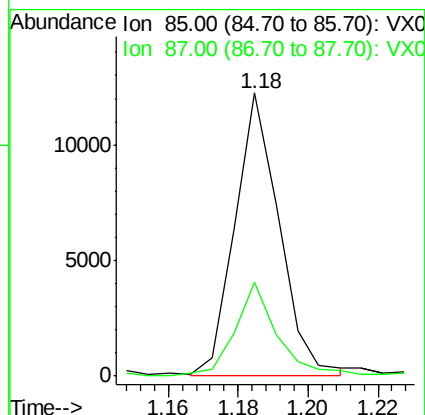
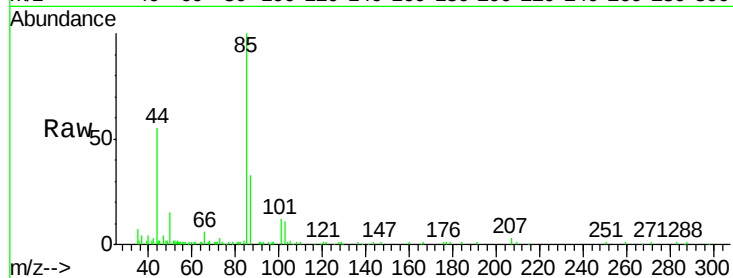
85 100

87 31.9 25.2 37.8

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#3

Chloromethane

Concen: 1.976 ug/L

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX018215.D

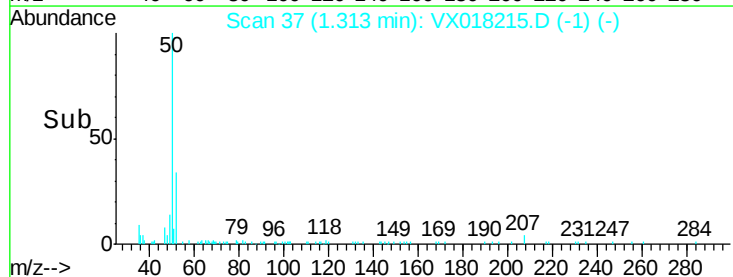
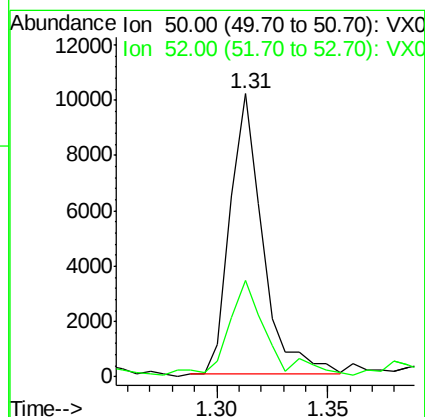
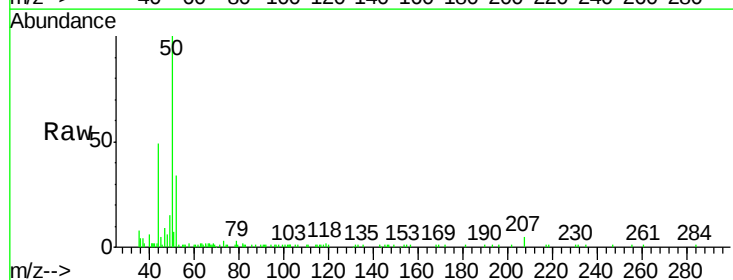
Acq: 02 Sep 2020 15:04

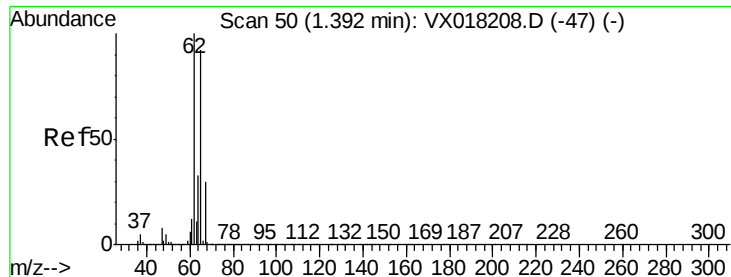
Tgt Ion: 50 Resp: 10350

Ion Ratio Lower Upper

50 100

52 34.1 21.0 39.0





#5

Vinyl chloride

Concen: 2.245 ug/L m

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX018215.D

Acq: 02 Sep 2020 15:04

Instrument :

MSVOA_X

ClientSampled :

MDL03

Tot Ion: 62 Resp: 11693

Ion Ratio Lower Upper

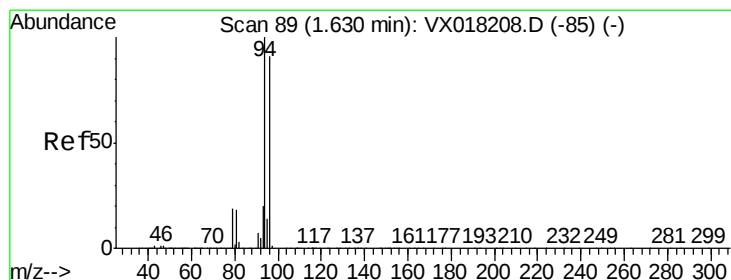
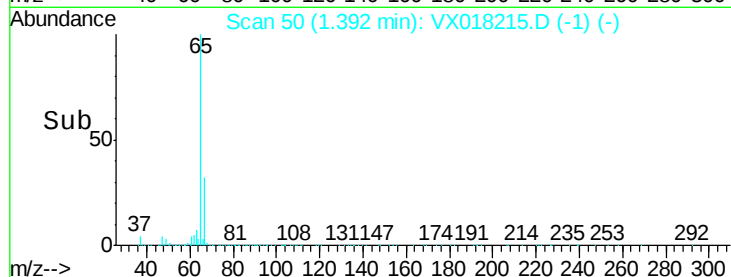
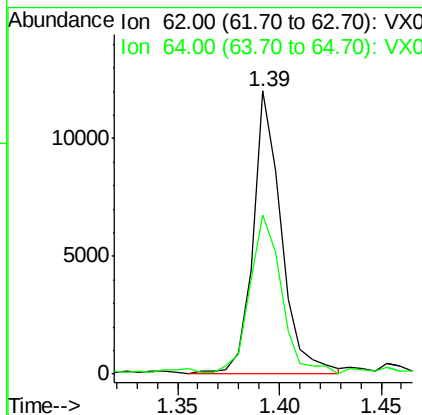
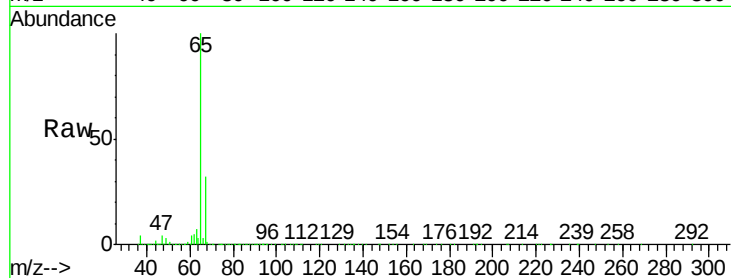
62 100

64 56.4 23.2 43.2#

Manual Integrations
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#6

Bromomethane

Concen: 2.362 ug/L

RT: 1.64 min Scan# 91

Delta R.T. 0.01 min

Lab File: VX018215.D

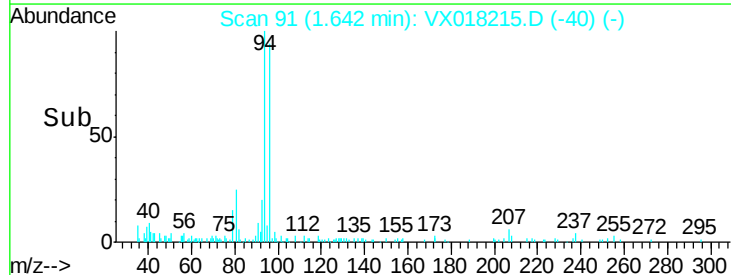
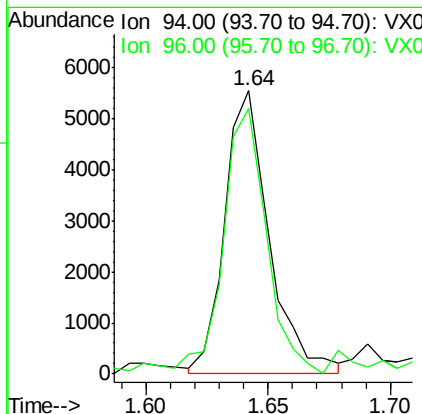
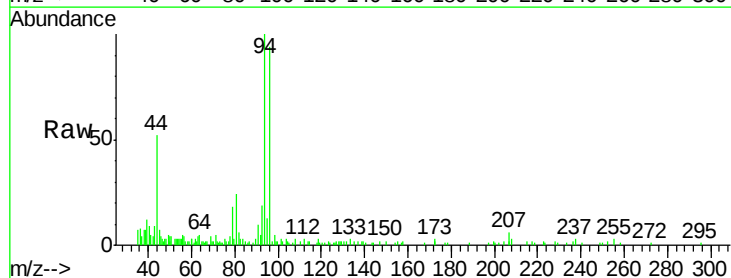
Acq: 02 Sep 2020 15:04

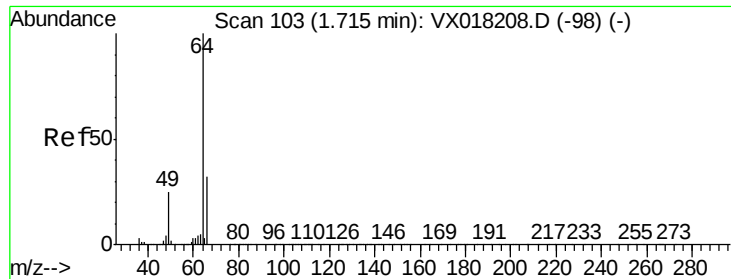
Tgt Ion: 94 Resp: 7035

Ion Ratio Lower Upper

94 100

96 94.0 63.9 118.7





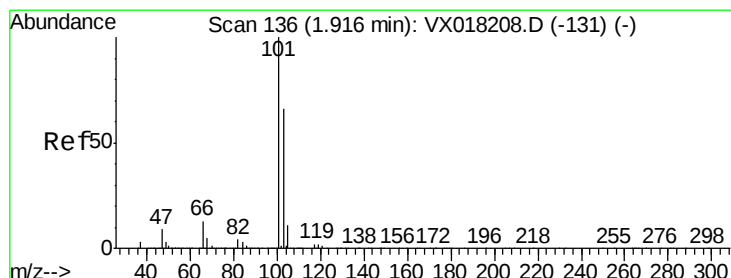
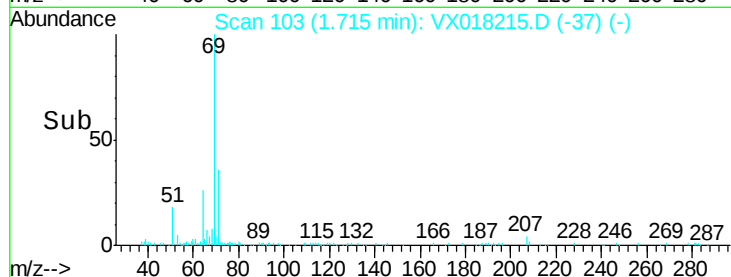
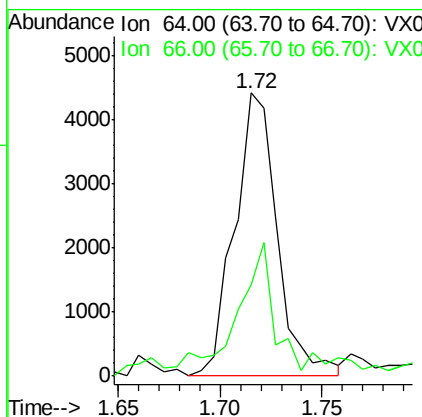
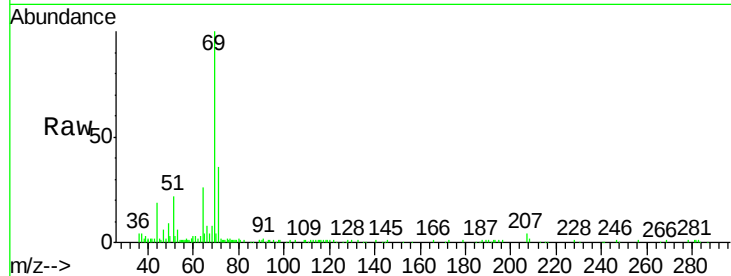
#8
Chloroethane
Concen: 2.107 ug/L
RT: 1.72 min Scan# 103
Delta R.T. 0.00 min
Lab File: VX018215.D
Acq: 02 Sep 2020 15:04

Instrument :
MSVOA_X
ClientSampleId :
MDL03

Tot Ion	Ratio	Lower	Upper
64	100		
66	32.3	22.5	41.7

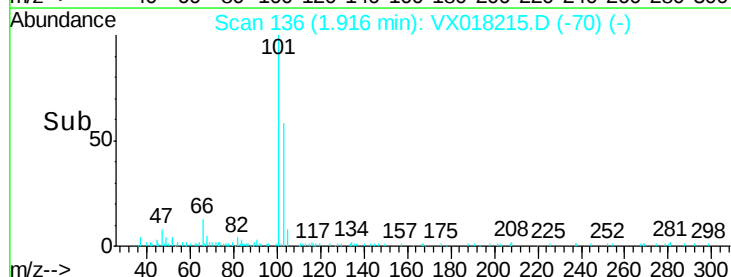
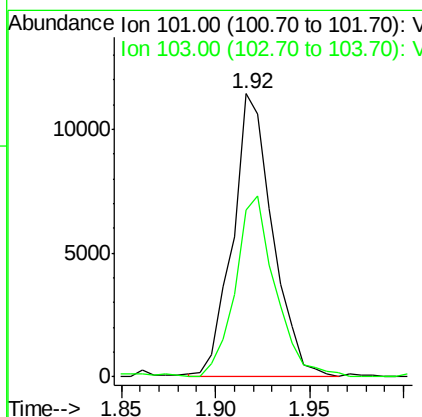
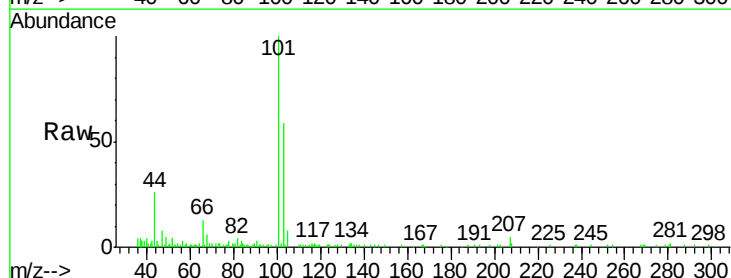
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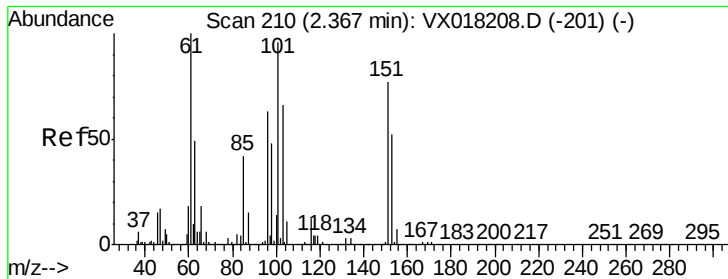
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9/3/2020 9:53:57 AM



#9
Trichlorofluoromethane
Concen: 1.941 ug/L
RT: 1.92 min Scan# 136
Delta R.T. 0.00 min
Lab File: VX018215.D
Acq: 02 Sep 2020 15:04

Tgt Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.4	77.2





#10

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

Concen: 2.633 ug/L

RT: 2.37 min Scan# 211

Delta R.T. 0.01 min

Lab File: VX018215.D

Acq: 02 Sep 2020 15:04

Instrument :

MSVOA_X

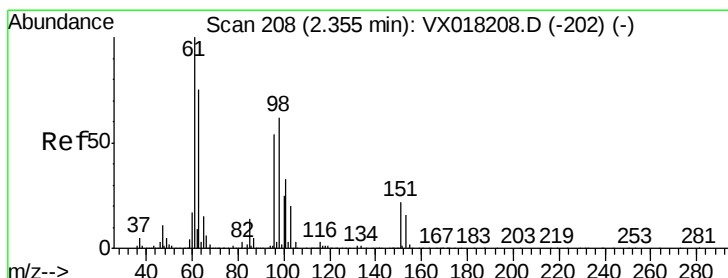
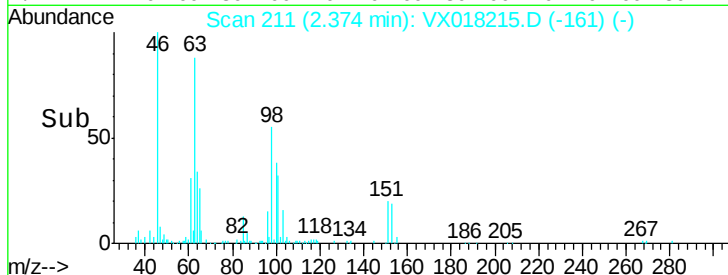
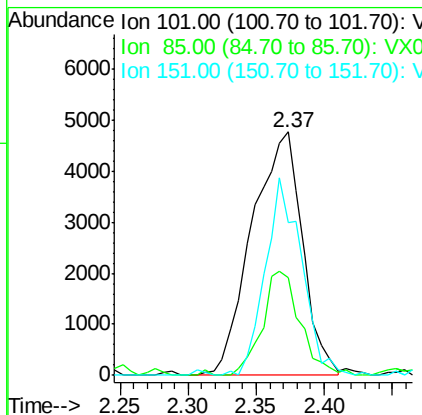
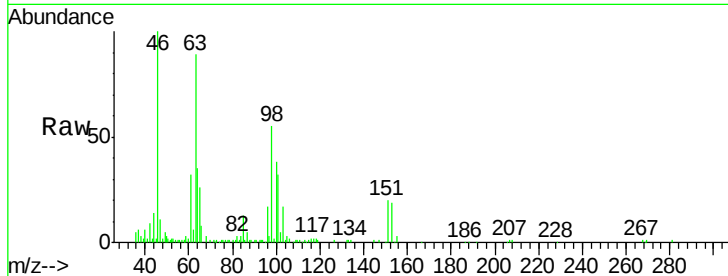
ClientSampleId :

MDL03

Tot Ion:	101	Resp:	12374
Ion Ratio	Lower	Upper	
101	100		
85	32.2	35.8	53.6#
151	58.1	61.6	92.4#

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#12

1,1-Dichloroethene

Concen: 2.596 ug/L m

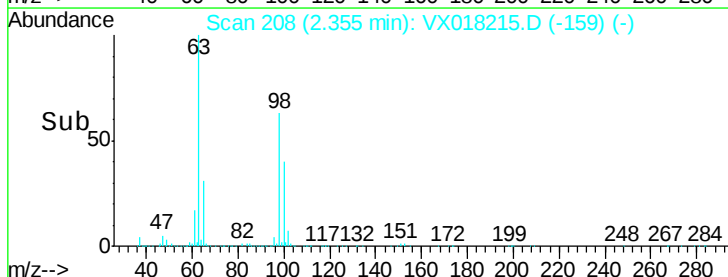
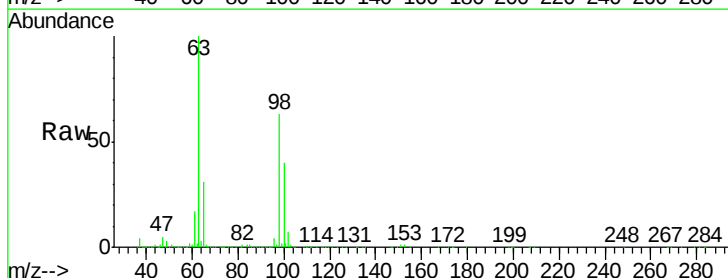
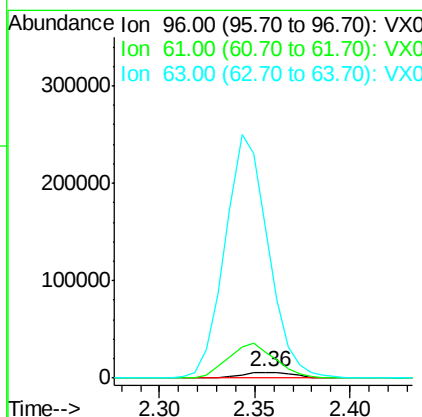
RT: 2.36 min Scan# 208

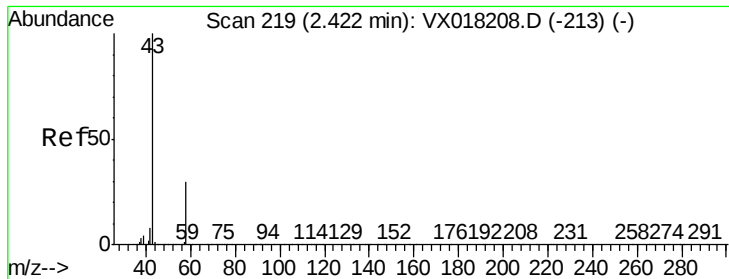
Delta R.T. 0.00 min

Lab File: VX018215.D

Acq: 02 Sep 2020 15:04

Tgt Ion:	96	Resp:	11478
Ion Ratio	Lower	Upper	
96	100		
61	430.1	130.5	242.5#
63	2462.6	103.0	191.2#





#13

Acetone

Concen: 4.515 ug/L

RT: 2.43 min Scan# 220

Delta R.T. 0.01 min

Lab File: VX018215.D

Acq: 02 Sep 2020 15:04

Instrument :

MSVOA_X

ClientSampled :

MDL03

Tot Ion: 43 Resp: 9662

Ion Ratio Lower Upper

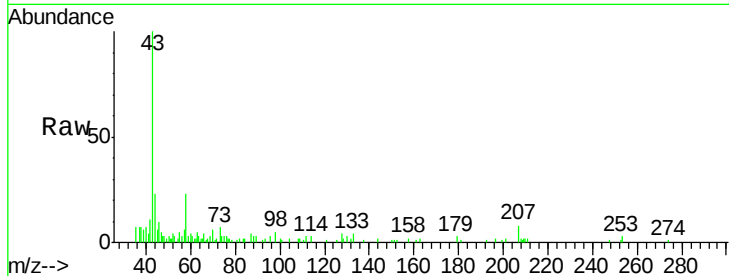
43 100

58 20.8 0.0 59.2

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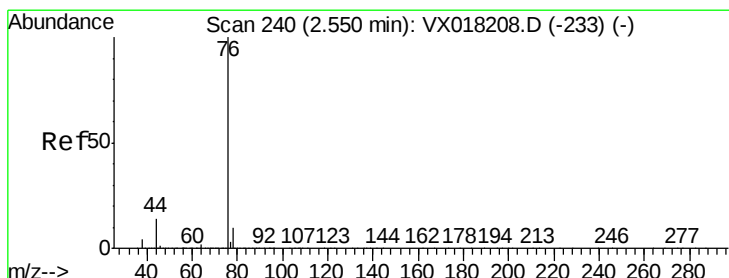
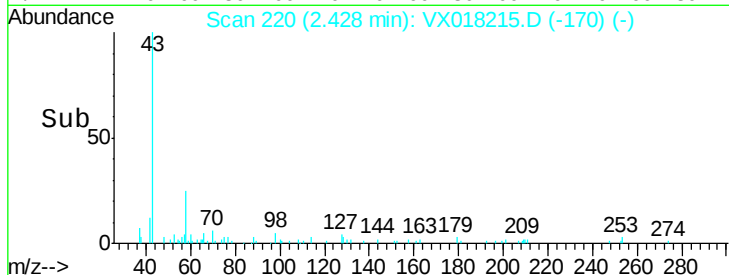
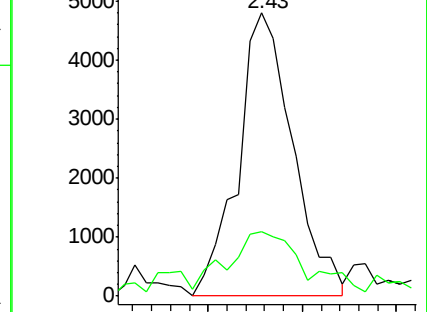
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#14

Carbon disulfide

Concen: 2.047 ug/L

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX018215.D

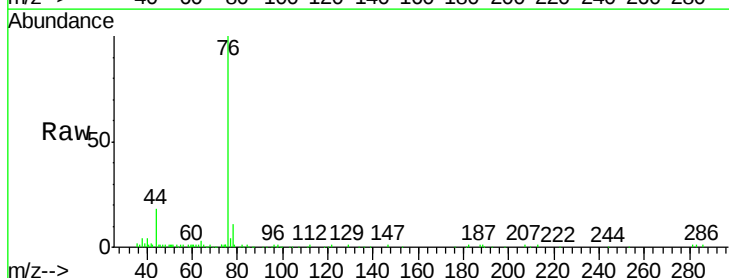
Acq: 02 Sep 2020 15:04

Tgt Ion: 76 Resp: 28661

Ion Ratio Lower Upper

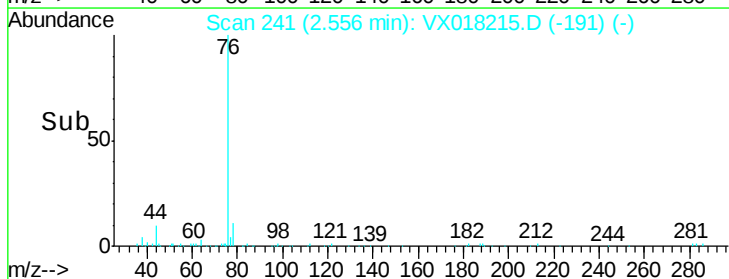
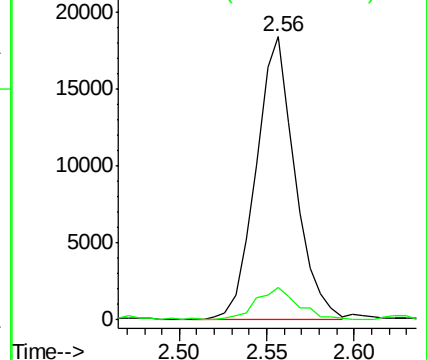
76 100

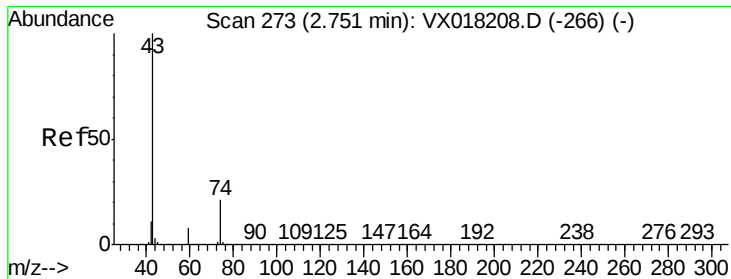
78 11.3 7.7 11.5



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





#15

Methyl Acetate

Concen: 1.825 ug/L m

RT: 2.75 min Scan# 273

Delta R.T. 0.00 min

Lab File: VX018215.D

Acq: 02 Sep 2020 15:04

Instrument :

MSVOA_X

ClientSampleId :

MDL03

Tot Ion: 43 Resp: 9595

Ion Ratio Lower Upper

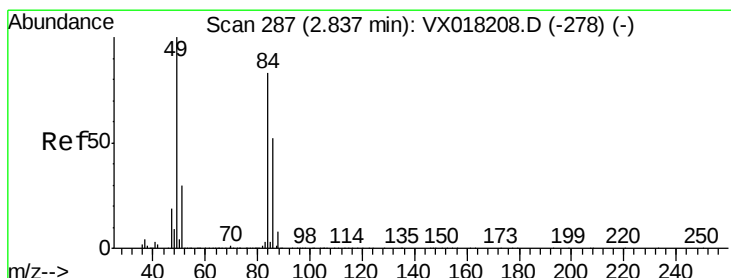
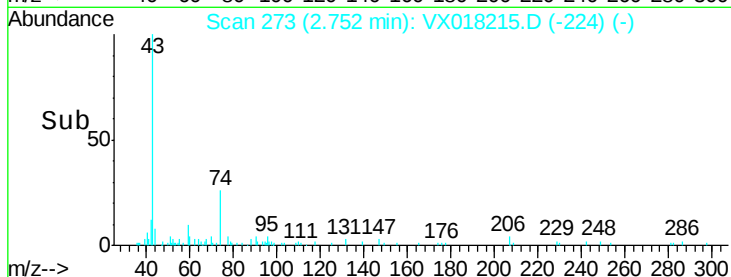
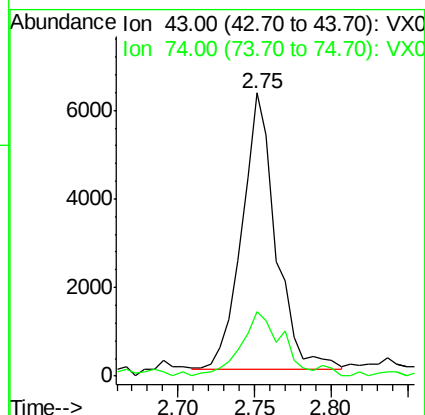
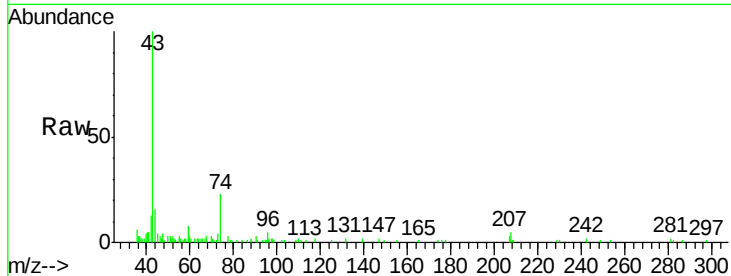
43 100

74 0.8 17.8 26.8#

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#16

Methylene chloride

Concen: 2.556 ug/L

RT: 2.84 min Scan# 287

Delta R.T. 0.00 min

Lab File: VX018215.D

Acq: 02 Sep 2020 15:04

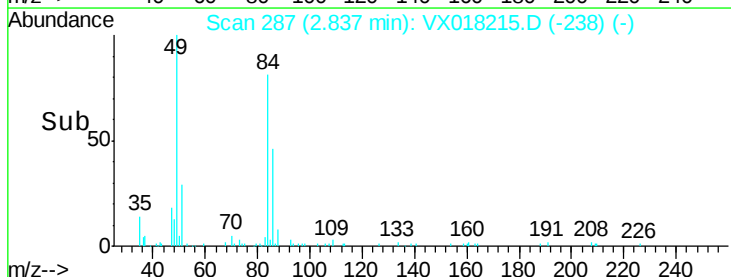
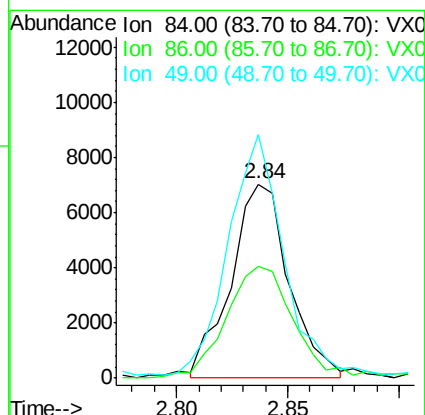
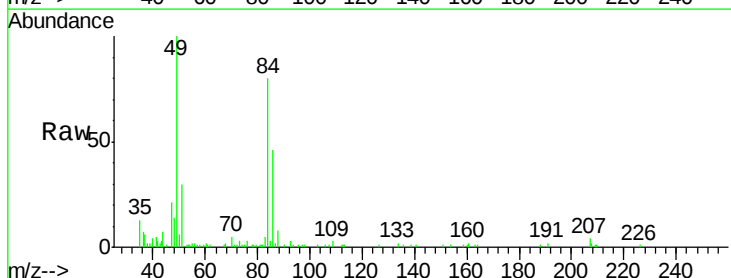
Tgt Ion: 84 Resp: 12812

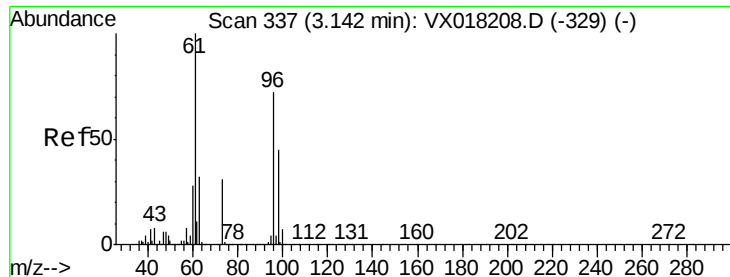
Ion Ratio Lower Upper

84 100

86 57.5 43.6 81.0

49 125.3 84.5 156.9





#17

trans-1,2-Dichloroethene

Concen: 1.846 ug/L

RT: 3.14 min Scan# 337

Delta R.T. 0.00 min

Lab File: VX018215.D

Acq: 02 Sep 2020 15:04

Instrument :

MSVOA_X

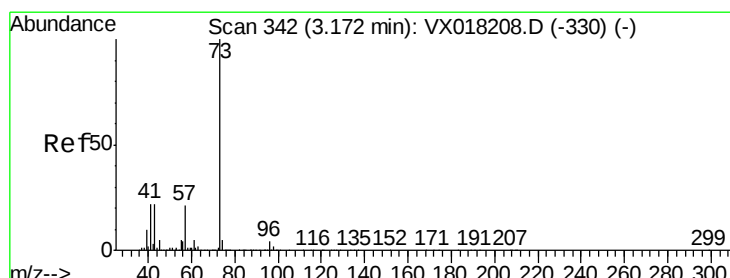
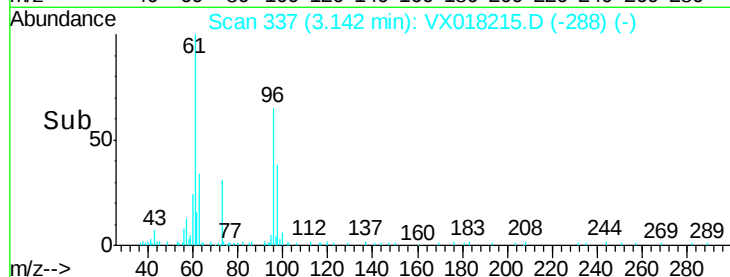
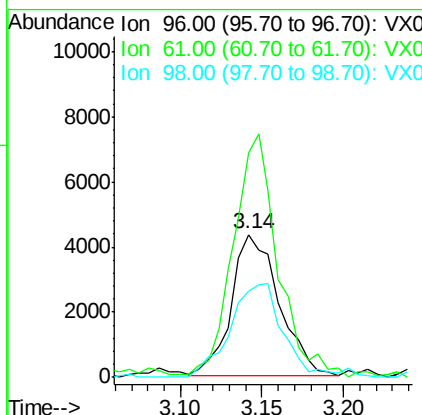
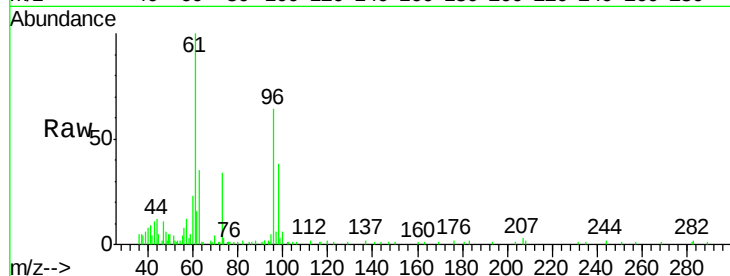
ClientSampleId :

MDL03

Tot Ion:	96	Resp:	8752
Ion	Ratio	Lower	Upper
96	100		
61	157.3	97.1	180.3
98	60.0	43.9	81.5

Manual Integrations
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#18

Methyl tert-butyl Ether

Concen: 1.769 ug/L

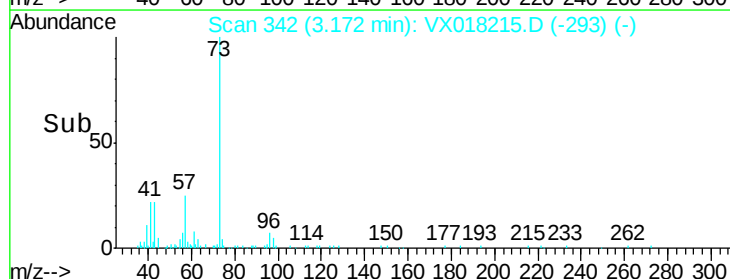
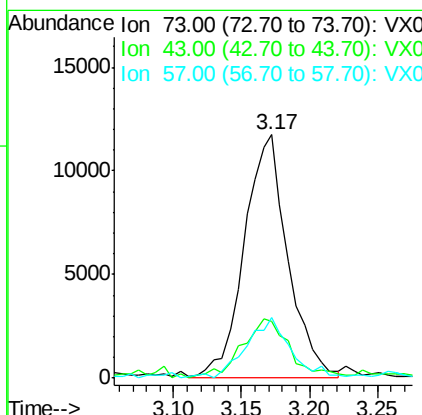
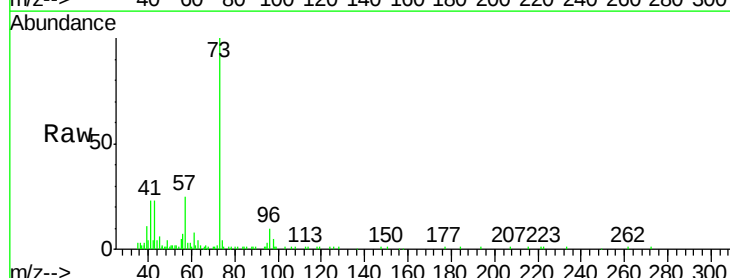
RT: 3.17 min Scan# 342

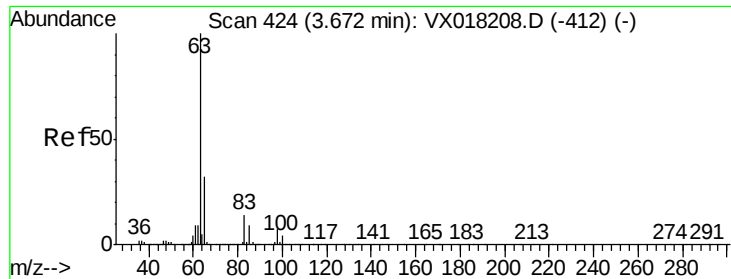
Delta R.T. 0.00 min

Lab File: VX018215.D

Acq: 02 Sep 2020 15:04

Tgt Ion:	73	Resp:	26192
Ion	Ratio	Lower	Upper
73	100		
43	22.9	17.4	26.2
57	23.6	17.1	25.7





#19

1,1-Dichloroethane

Concen: 1.925 ug/L

RT: 3.67 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX018215.D

Acq: 02 Sep 2020 15:04

Instrument :

MSVOA_X

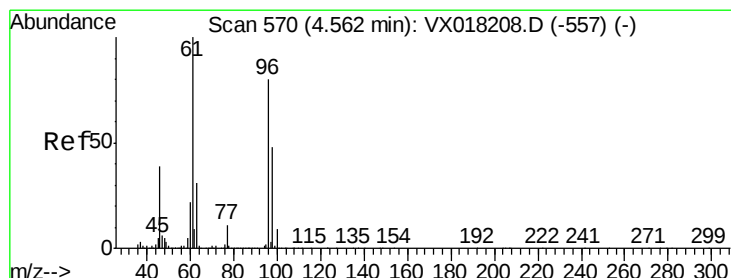
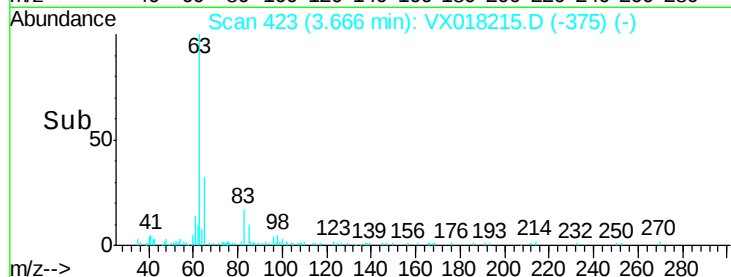
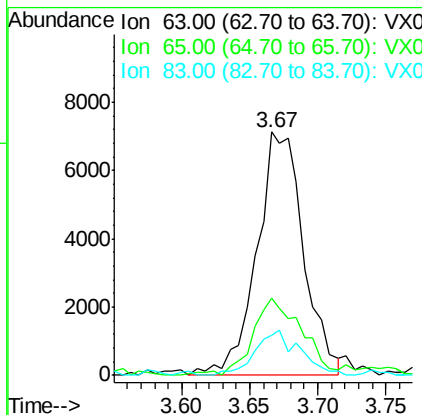
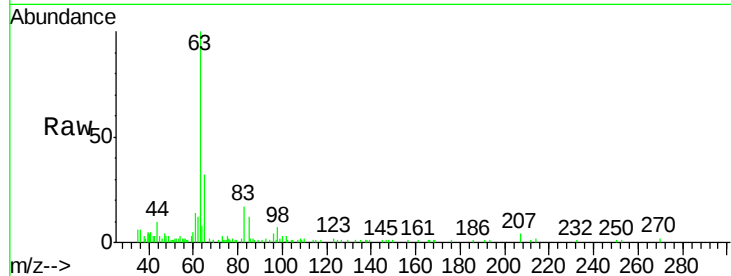
ClientSampleId :

MDL03

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.6	22.7	42.3
83	16.6	9.7	18.1

Manual Integrations
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#20

cis-1,2-Dichloroethene

Concen: 1.842 ug/L

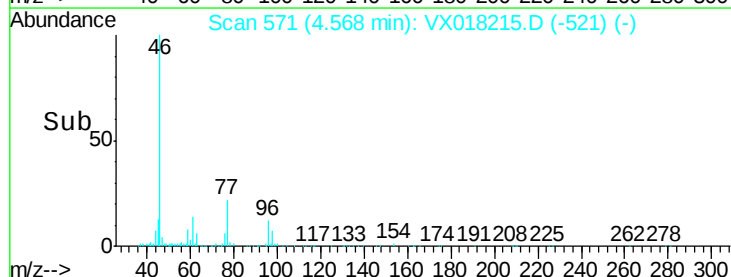
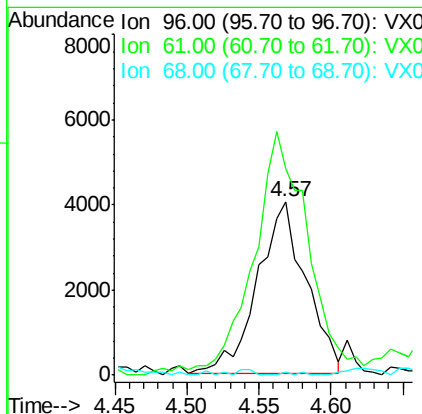
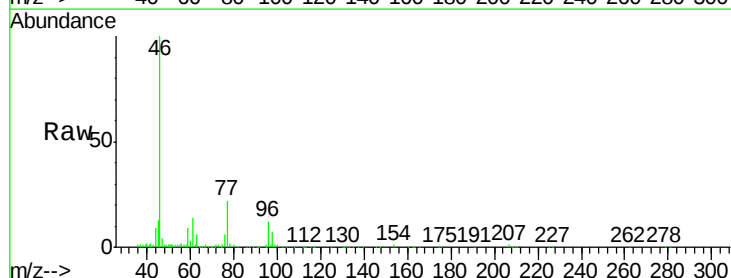
RT: 4.57 min Scan# 571

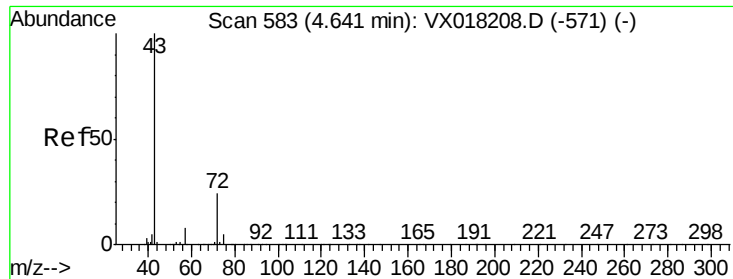
Delta R.T. 0.01 min

Lab File: VX018215.D

Acq: 02 Sep 2020 15:04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	119.5	88.0	163.4
68	1.7	0.1	0.1#





#22

2-Butanone

Concen: 3.806 ug/L m

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX018215.D

Acq: 02 Sep 2020 15:04

Instrument :

MSVOA_X

ClientSampleId :

MDL03

Tot Ion: 43 Resp: 13356

Ion Ratio Lower Upper

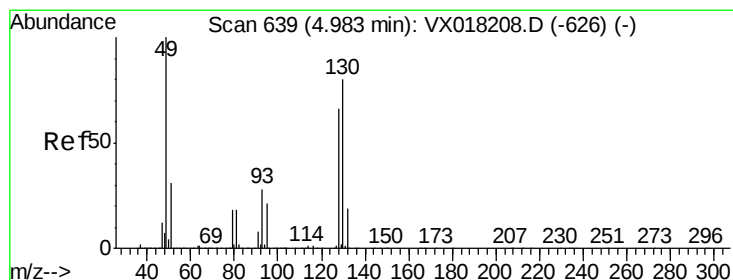
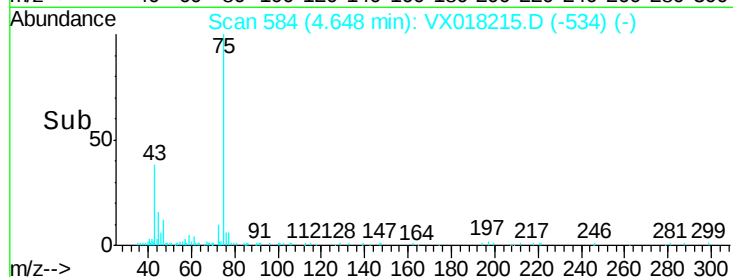
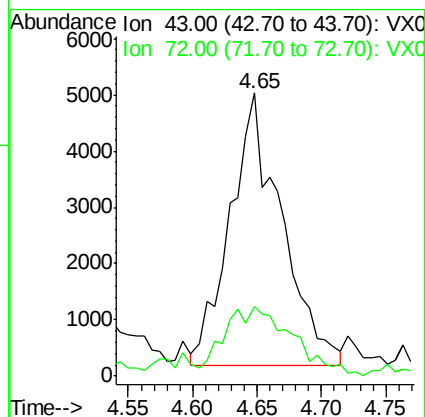
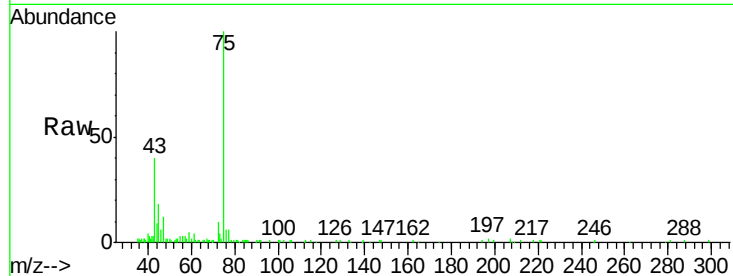
43 100

72 10.1 12.7 38.1#

Manual Integrations
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#23

Bromochloromethane

Concen: 2.164 ug/L m

RT: 4.98 min Scan# 639

Delta R.T. 0.00 min

Lab File: VX018215.D

Acq: 02 Sep 2020 15:04

Tgt Ion: 128 Resp: 6140

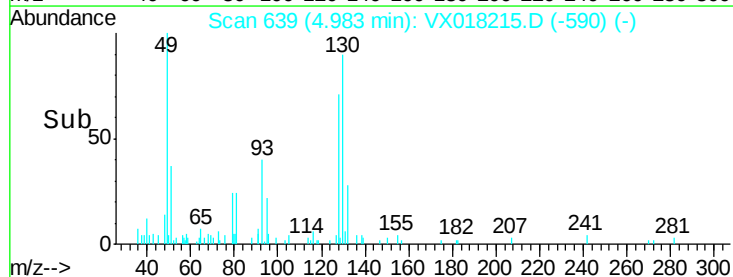
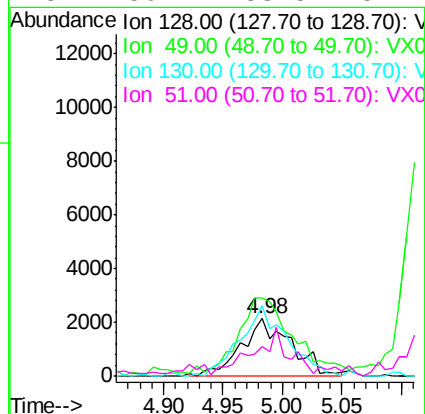
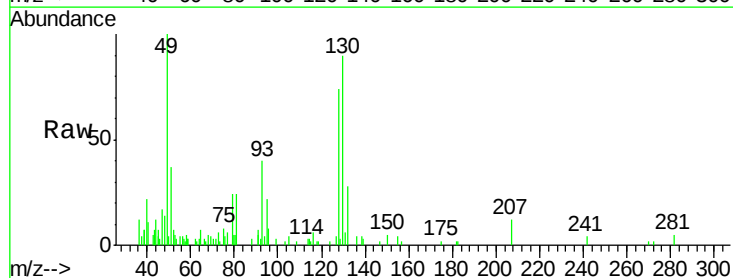
Ion Ratio Lower Upper

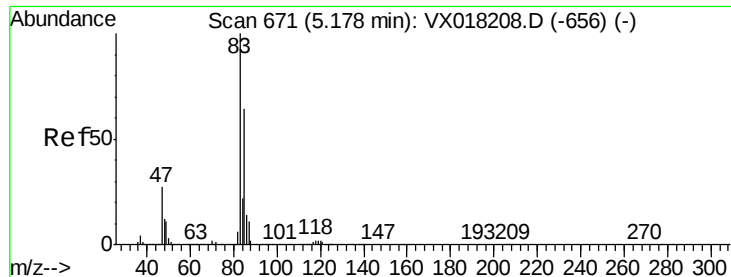
128 100

49 135.7 106.8 198.4

130 122.1 85.3 158.5

51 50.7 38.5 57.7





#25

Chloroform

Concen: 3.911 ug/L m

RT: 5.18 min Scan# 672

Delta R.T. 0.01 min

Lab File: VX018215.D

Acq: 02 Sep 2020 15:04

Instrument :

MSVOA_X

ClientSampleId :

MDL03

Tot Ion: 83 Resp: 39764

Ion Ratio Lower Upper

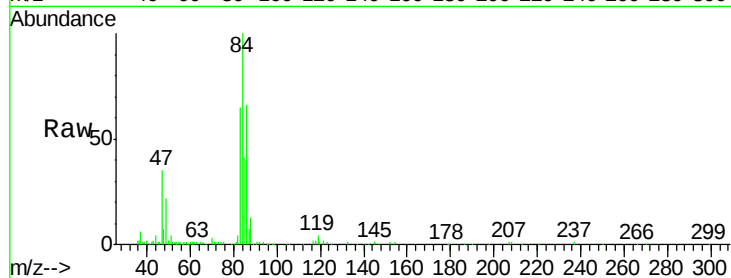
83 100

85 63.3 44.7 83.1

Manual Integrations
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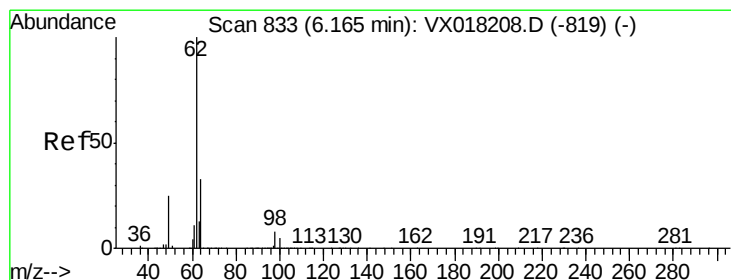
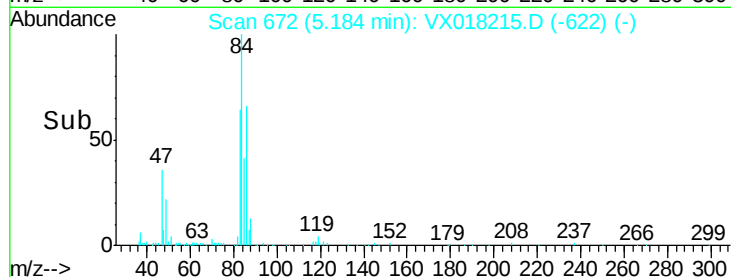
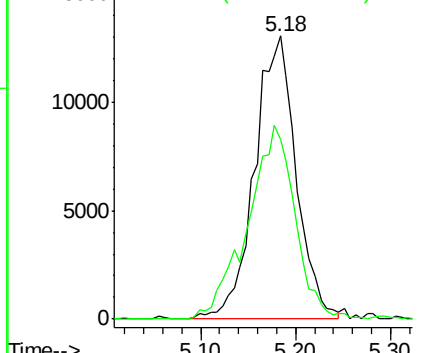
MMDadoda

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Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#27

1,2-Dichloroethane

Concen: 2.113 ug/L

RT: 6.17 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX018215.D

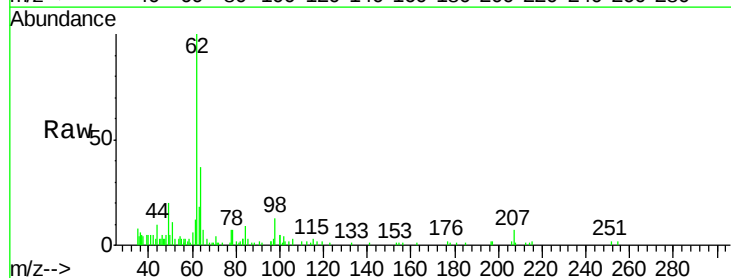
Acq: 02 Sep 2020 15:04

Tgt Ion: 62 Resp: 16277

Ion Ratio Lower Upper

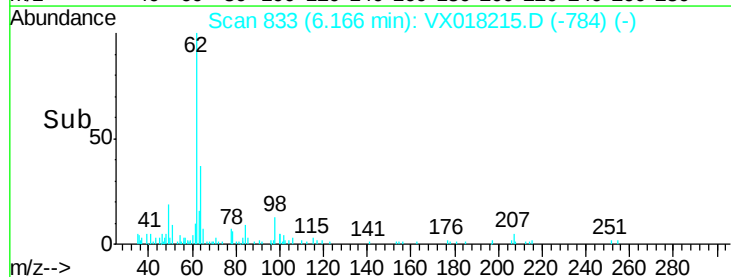
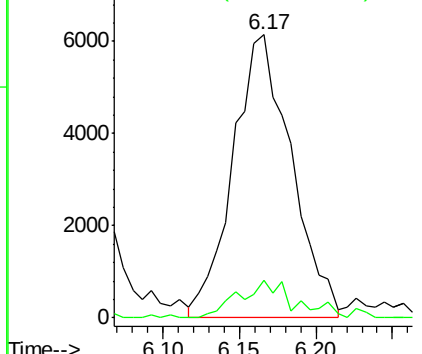
62 100

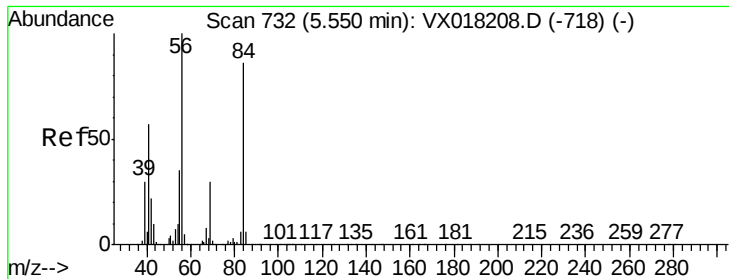
98 13.1 6.6 9.8#



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





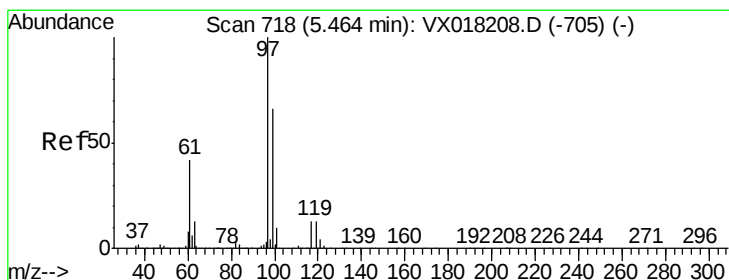
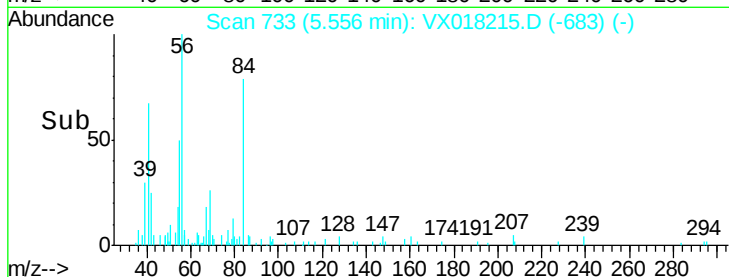
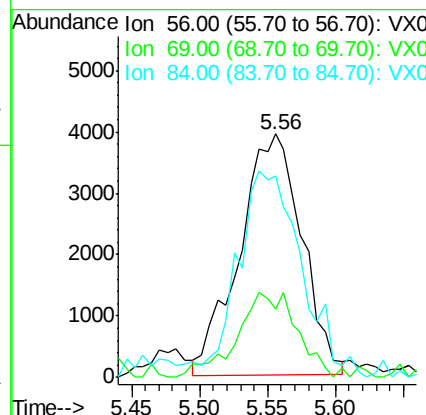
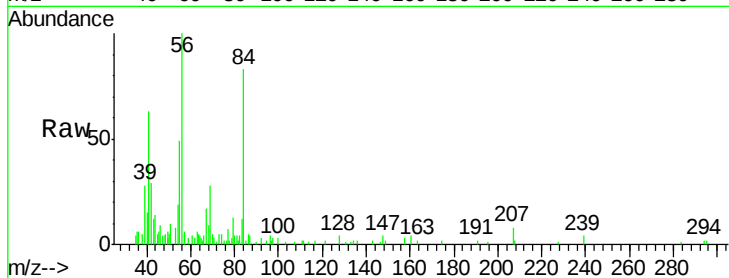
#29
Cyclohexane
Concen: 1.775 ug/L
RT: 5.56 min Scan# 733
Delta R.T. 0.01 min
Lab File: VX018215.D
Acq: 02 Sep 2020 15:04

Instrument :
MSVOA_X
ClientSampleId :
MDL03

Tot Ion	Ratio	Lower	Upper
56	100		
69	11.3	25.4	38.2#
84	0.0	69.8	104.8#

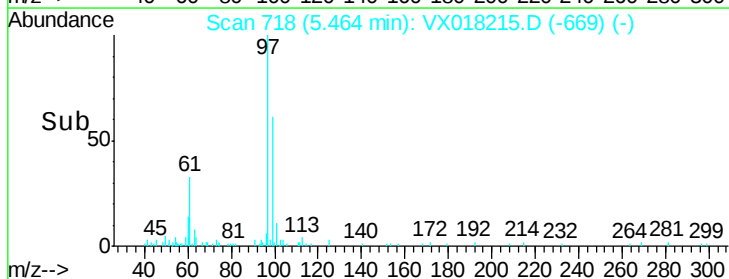
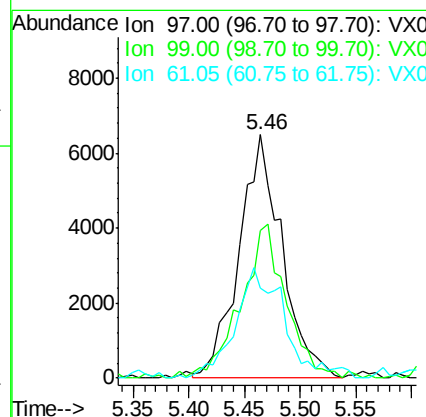
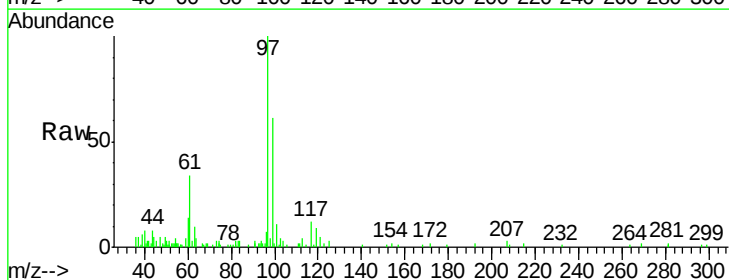
Manual Integrations
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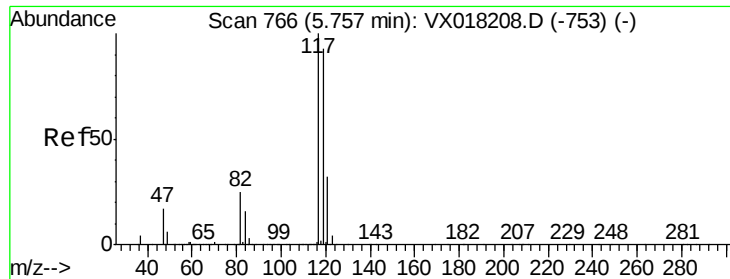
MMDadoda
9/3/2020 9:53:57 AM



#30
1,1,1-Trichloroethane
Concen: 1.972 ug/L
RT: 5.46 min Scan# 718
Delta R.T. 0.00 min
Lab File: VX018215.D
Acq: 02 Sep 2020 15:04

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.7	77.5
61	32.8	33.8	50.6#





#31

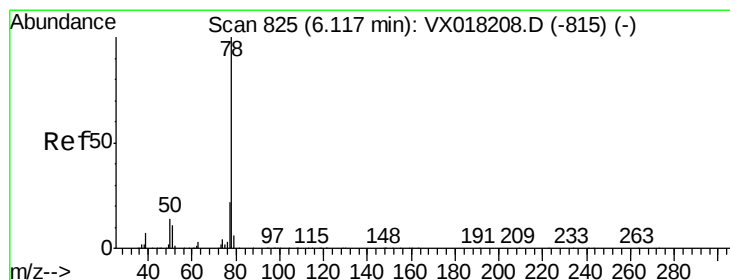
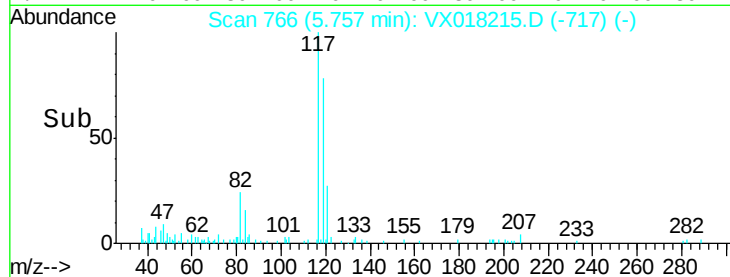
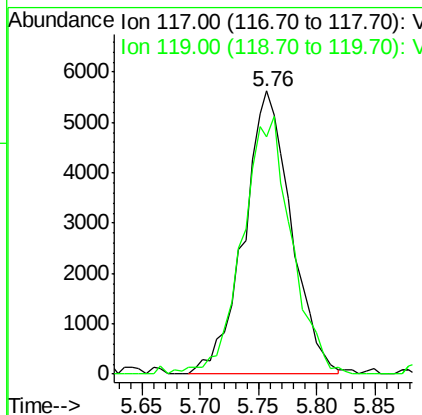
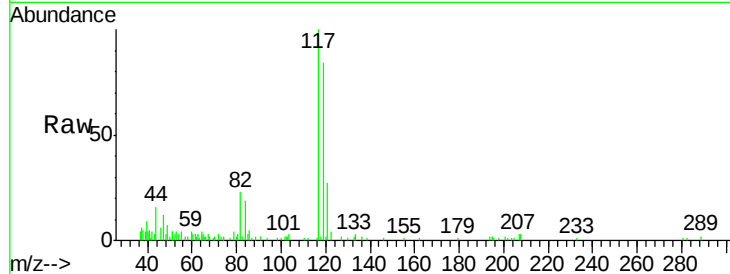
Carbon tetrachloride
Concen: 1.978 ug/L
RT: 5.76 min Scan# 766
Delta R.T. 0.00 min
Lab File: VX018215.D
Acq: 02 Sep 2020 15:04

Instrument :
MSVOA_X
ClientSampleId :
MDL03

Tot Ion	Ratio	Lower	Upper
117	100		
119	92.9	76.8	115.2

Manual Integrations
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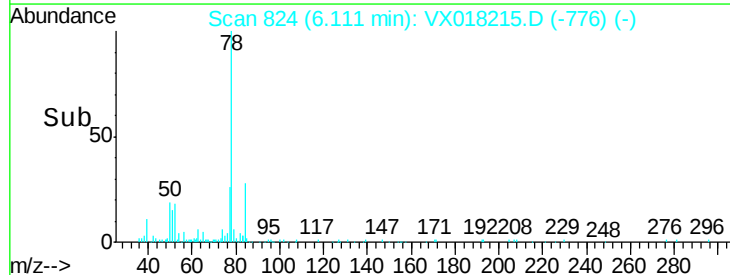
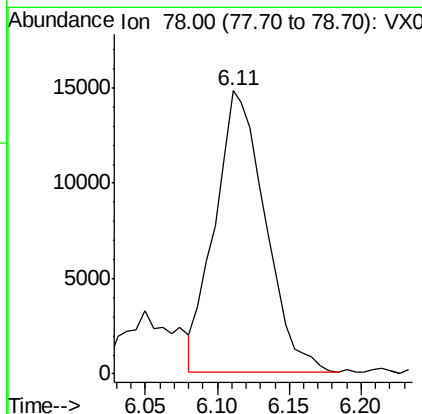
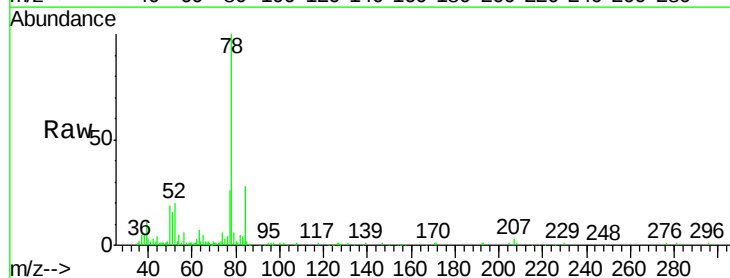
MMDadoda
9/3/2020 9:53:57 AM

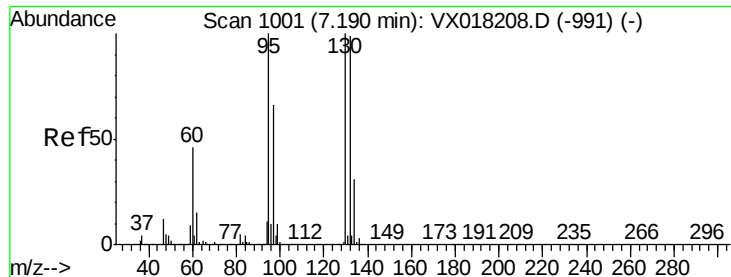


#33

Benzene
Concen: 1.926 ug/L
RT: 6.11 min Scan# 824
Delta R.T. -0.01 min
Lab File: VX018215.D
Acq: 02 Sep 2020 15:04

Tgt Ion: 78 Resp: 35830





#34

Trichloroethene

Concen: 1.880 ug/L

RT: 7.19 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VX018215.D

Acq: 02 Sep 2020 15:04

Instrument :

MSVOA_X

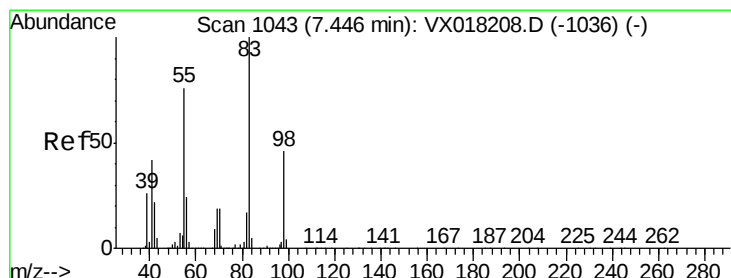
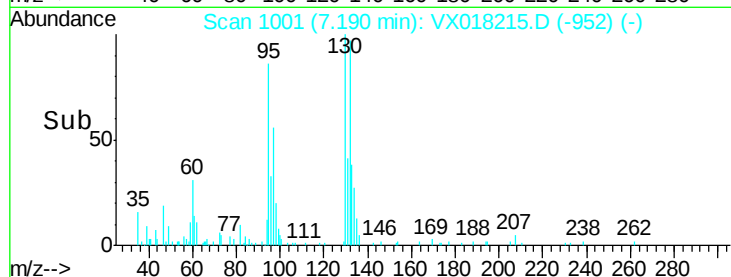
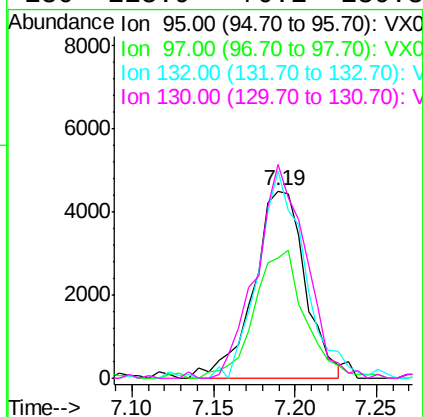
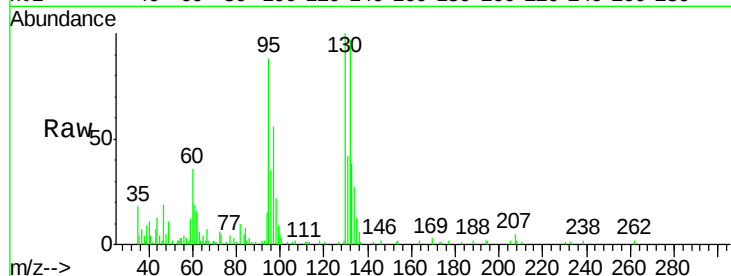
ClientSampled :

MDL03

Tot Ion	95	Resp:	9816
Ion	Ratio	Lower	Upper
95	100		
97	64.0	46.2	85.8
132	110.8	69.2	128.4
130	113.9	70.1	130.3

Manual Integrations
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MMDadoda
9/3/2020 9:53:57 AM



#35

Methylcyclohexane

Concen: 1.655 ug/L

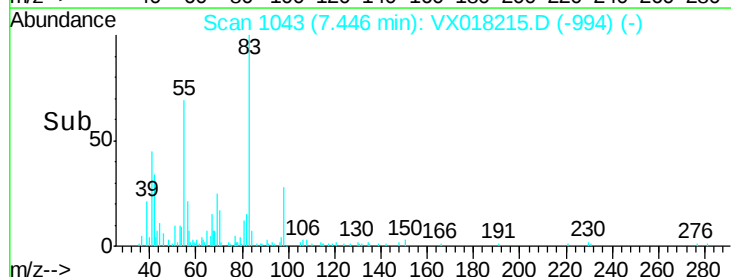
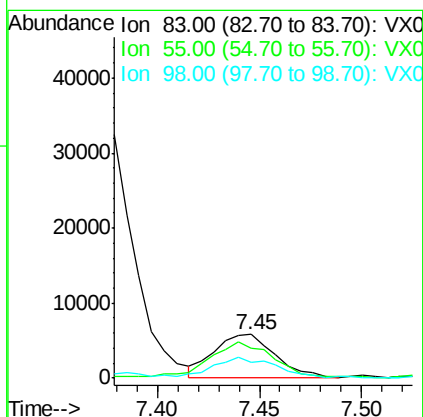
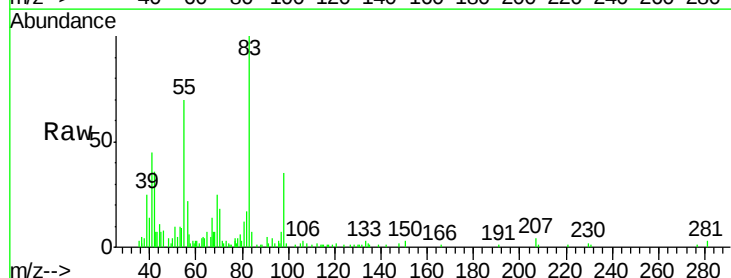
RT: 7.45 min Scan# 1043

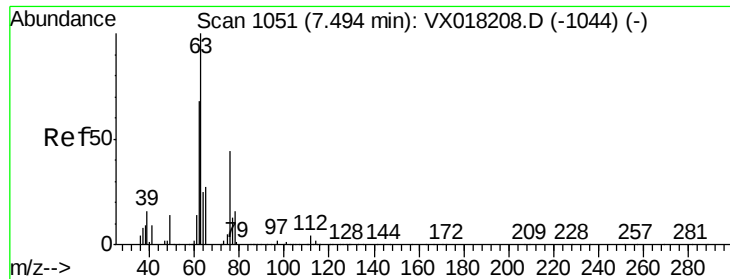
Delta R.T. 0.00 min

Lab File: VX018215.D

Acq: 02 Sep 2020 15:04

Tgt Ion	83	Resp:	12014
Ion	Ratio	Lower	Upper
83	100		
55	83.7	62.6	94.0
98	45.6	37.1	55.7





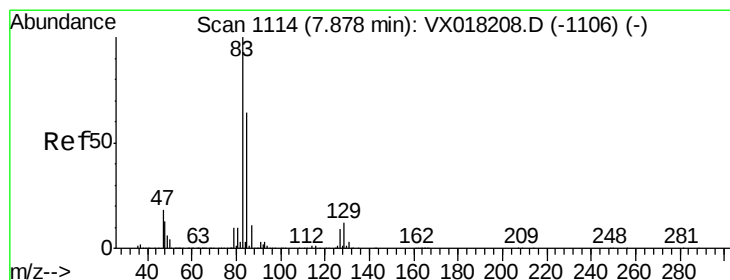
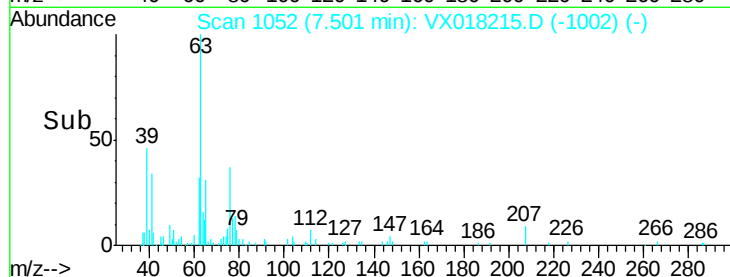
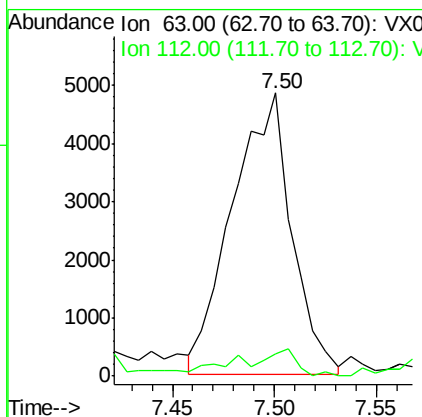
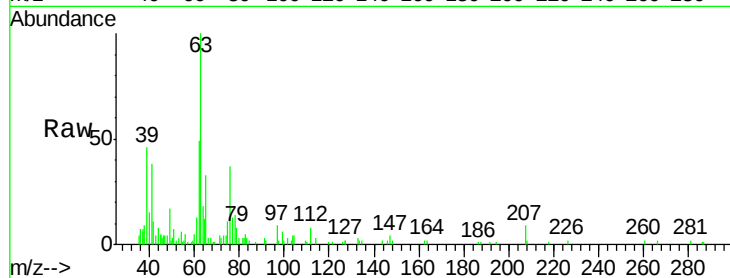
#37
 1,2-Dichloropropane
 Concen: 1.989 ug/L
 RT: 7.50 min Scan# 1052
 Delta R.T. 0.01 min
 Lab File: VX018215.D
 Acq: 02 Sep 2020 15:04

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL03

Tot Ion	Ratio	Lower	Upper
63	100		
112	4.8	3.6	5.4

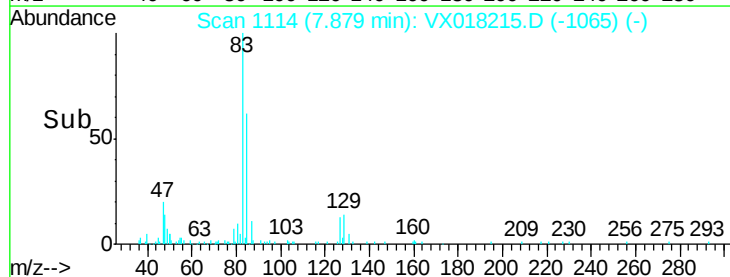
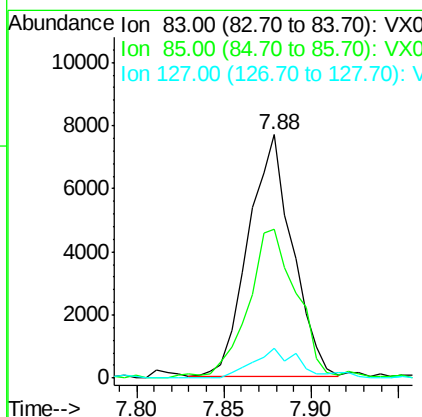
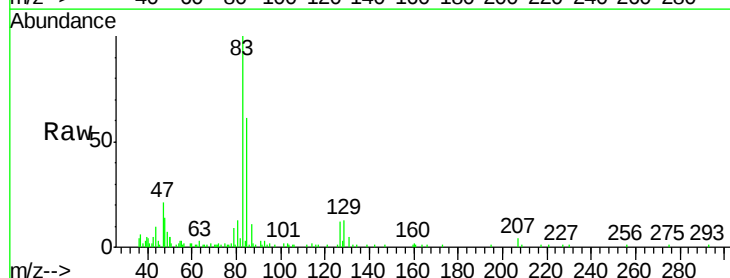
Manual Integrations
 APPROVED

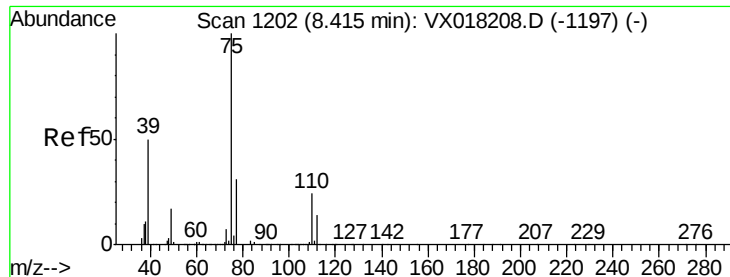
MMDadoda
 9/3/2020 9:53:57 AM



#38
 Bromodichloromethane
 Concen: 1.926 ug/L
 RT: 7.88 min Scan# 1114
 Delta R.T. 0.00 min
 Lab File: VX018215.D
 Acq: 02 Sep 2020 15:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.1	44.5	82.7
127	12.4	7.4	11.2#





#39

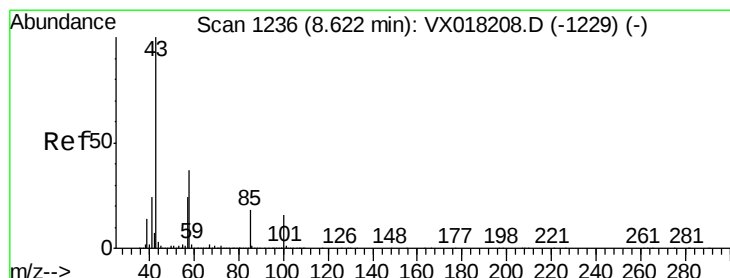
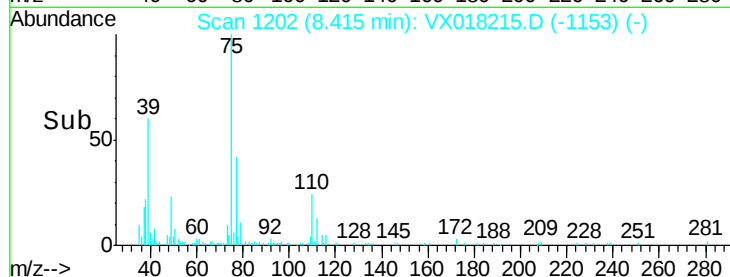
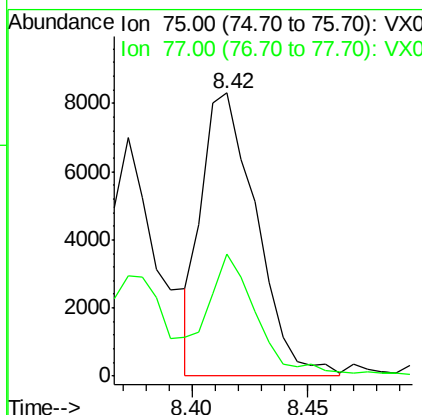
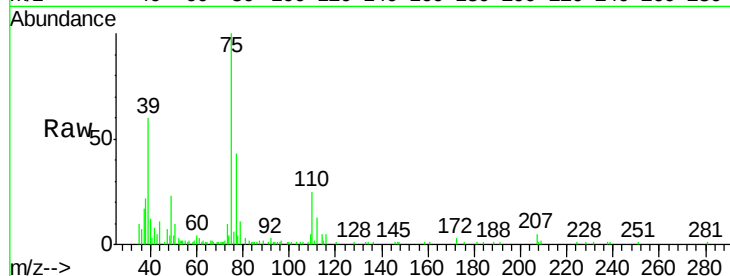
cis-1,3-Dichloropropene
Concen: 1.776 ug/L m
RT: 8.42 min Scan# 1202
Delta R.T. 0.00 min
Lab File: VX018215.D
Acq: 02 Sep 2020 15:04

Instrument :
MSVOA_X
ClientSampleId :
MDL03

Tot Ion	Ratio	Lower	Upper
75	100		
77	43.0	21.7	40.3#

Manual Integrations
APPROVED

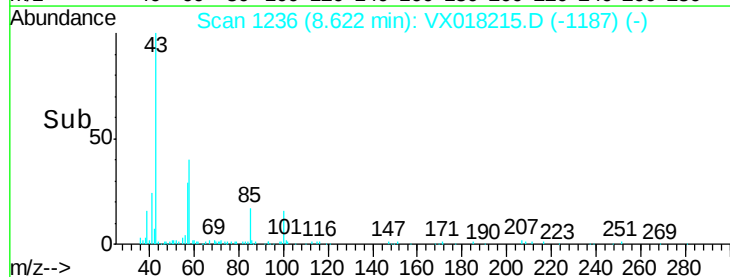
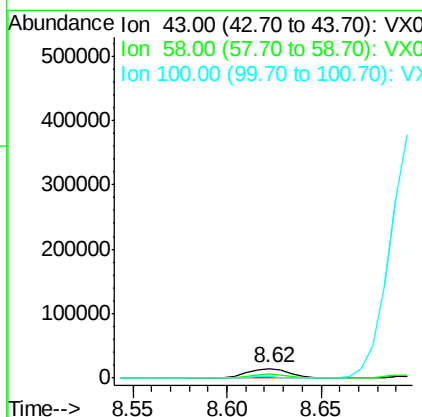
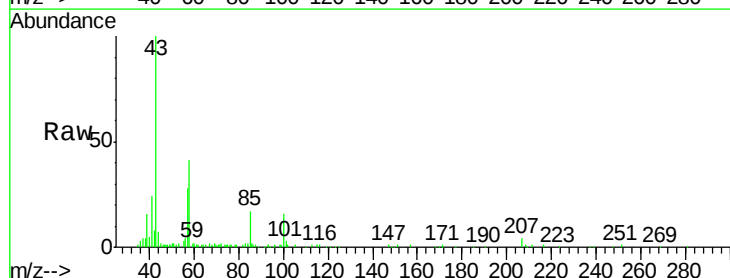
MMDadoda
9/3/2020 9:53:57 AM

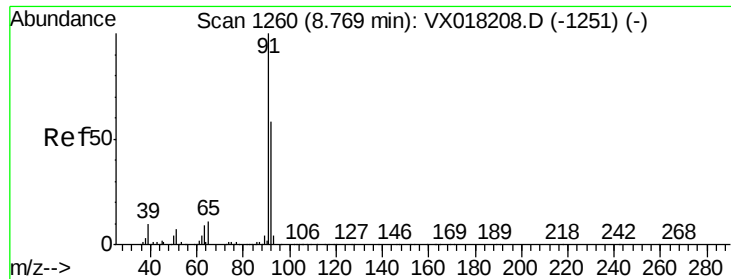


#40

4-Methyl-2-pentanone
Concen: 3.519 ug/L
RT: 8.62 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VX018215.D
Acq: 02 Sep 2020 15:04

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.9	30.3	45.5
100	17.2	11.9	17.9





#42

Toluene

Concen: 1.987 ug/L

RT: 8.77 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VX018215.D

Acq: 02 Sep 2020 15:04

Instrument :

MSVOA_X

ClientSampled :

MDL03

Tot Ion: 91 Resp: 39670

Ion Ratio Lower Upper

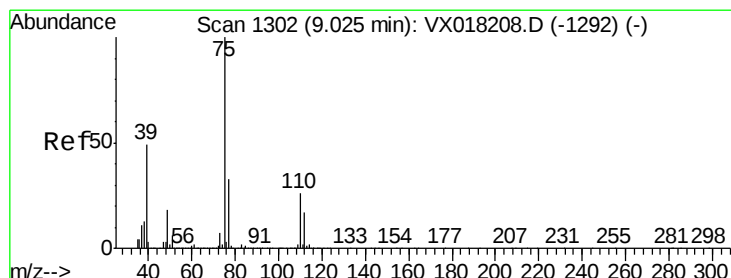
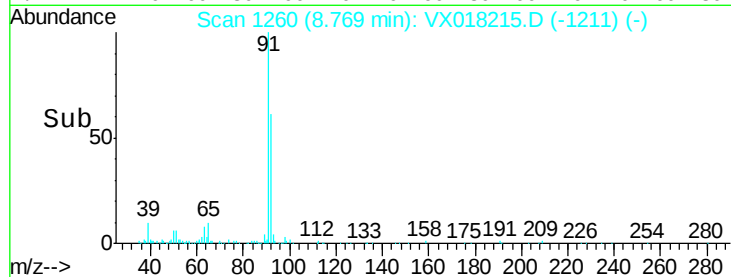
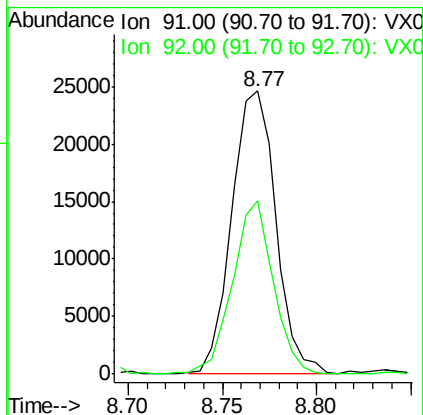
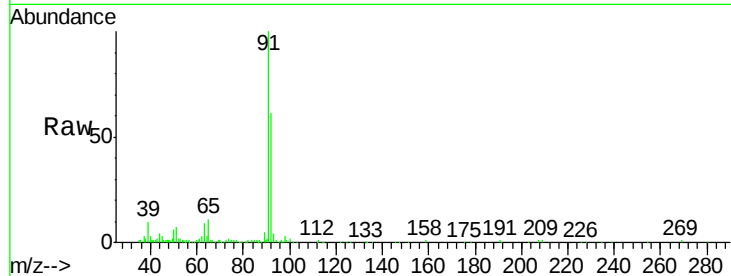
91 100

92 61.2 40.9 75.9

Manual Integrations
APPROVED

MMDadoda

9/3/2020 9:53:57 AM



#44

trans-1,3-Dichloropropene

Concen: 1.923 ug/L

RT: 9.02 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VX018215.D

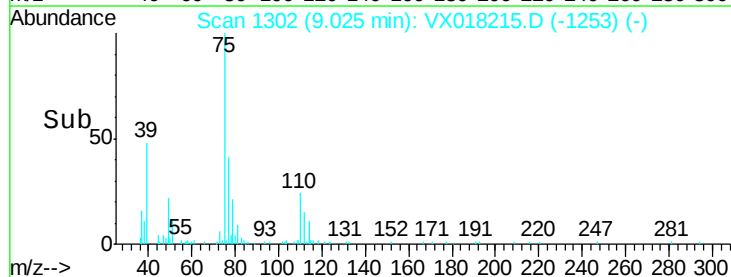
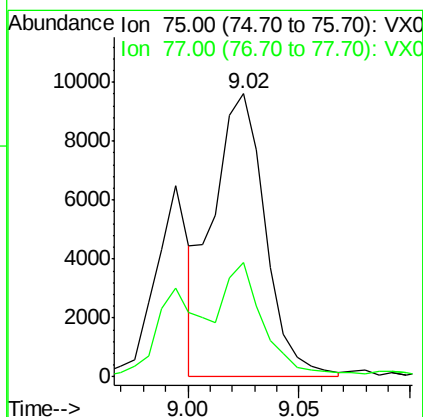
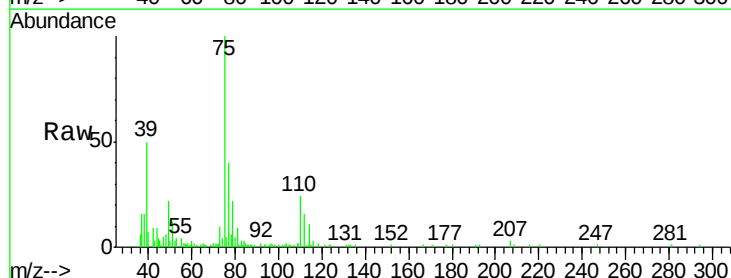
Acq: 02 Sep 2020 15:04

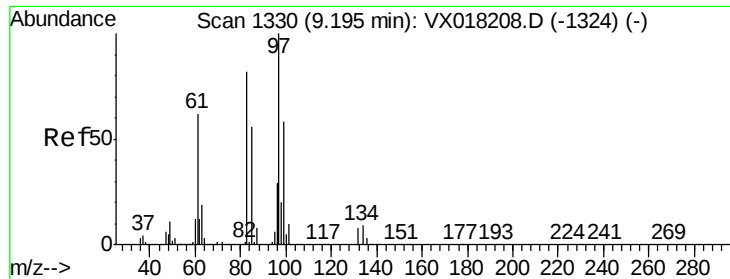
Tgt Ion: 75 Resp: 15540

Ion Ratio Lower Upper

75 100

77 40.5 23.2 43.0





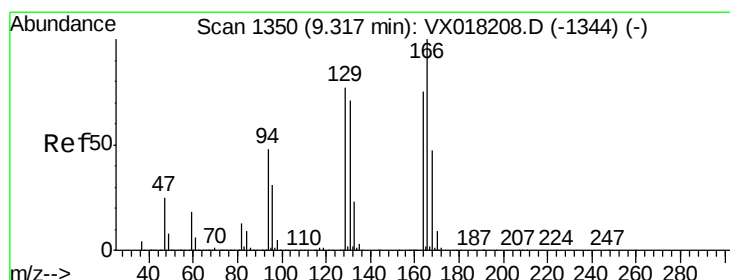
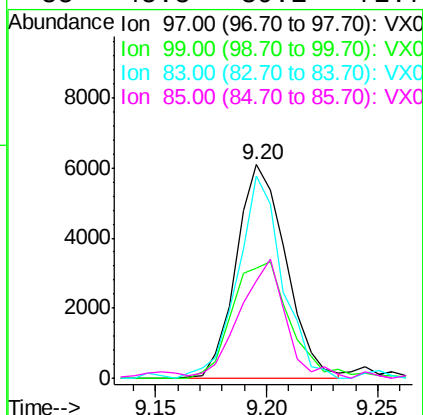
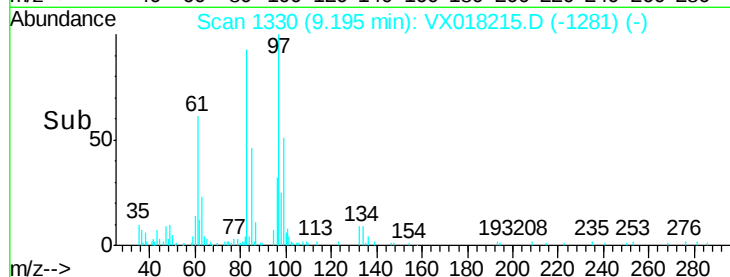
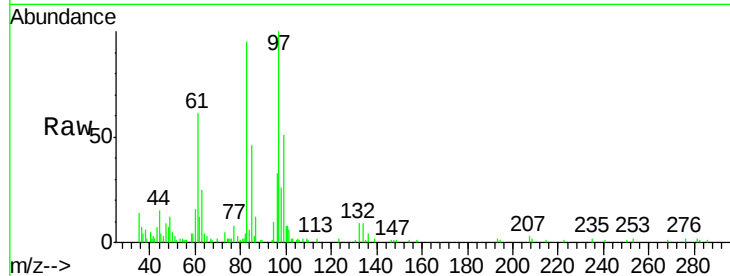
#45
1,1,2-Trichloroethane
Concen: 1.911 ug/L
RT: 9.20 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VX018215.D
Acq: 02 Sep 2020 15:04

Instrument :
MSVOA_X
ClientSampleId :
MDL03

Tot Ion:	97	Resp:	9452
Ion	Ratio	Lower	Upper
97	100		
99	51.3	40.3	74.9
83	94.7	57.7	107.1
85	45.8	39.1	72.7

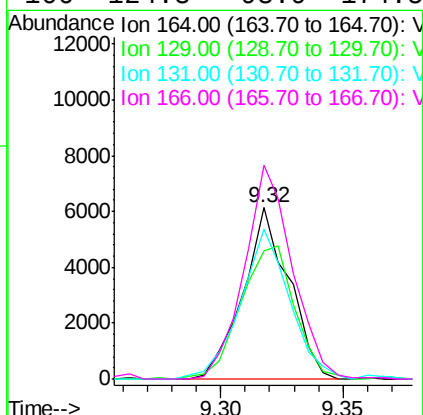
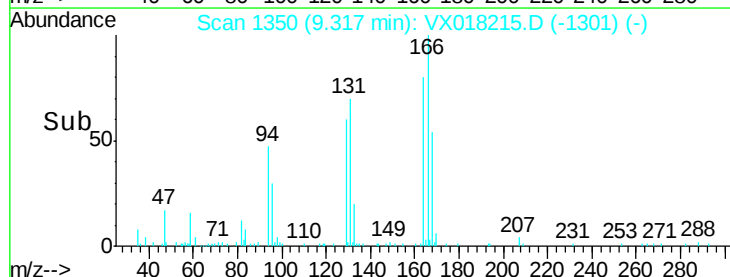
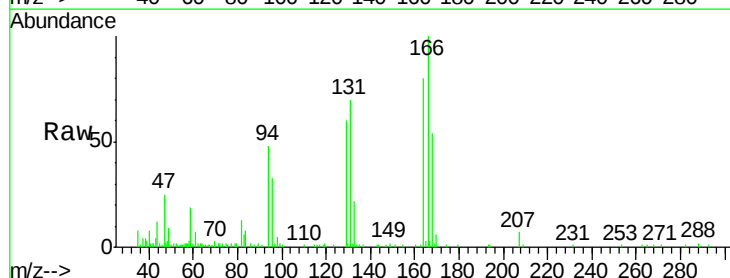
Manual Integrations
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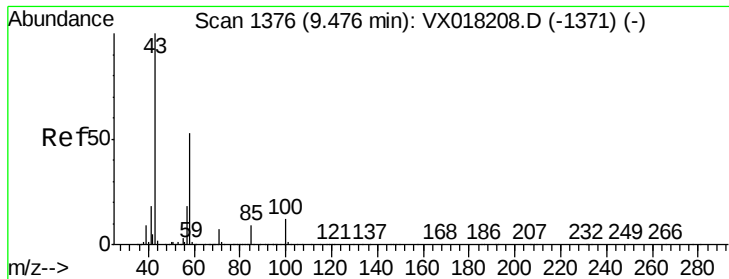
MMDadoda
9/3/2020 9:53:57 AM



#46
Tetrachloroethene
Concen: 1.924 ug/L
RT: 9.32 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VX018215.D
Acq: 02 Sep 2020 15:04

Tgt Ion:	164	Resp:	8008
Ion	Ratio	Lower	Upper
164	100		
129	74.6	72.0	133.6
131	87.7	66.8	124.2
166	124.8	93.9	174.5





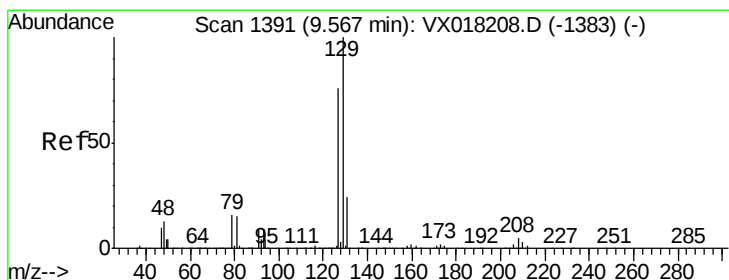
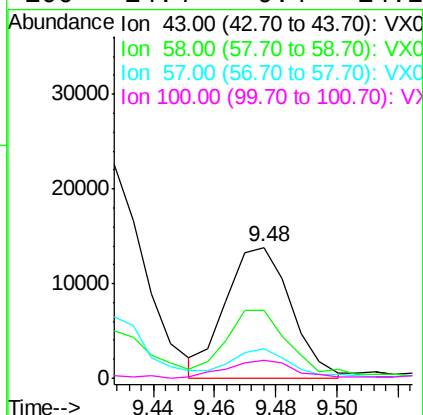
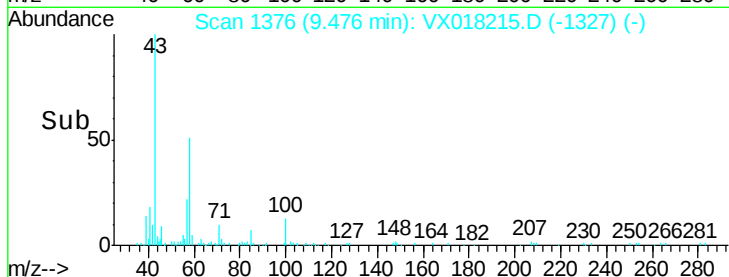
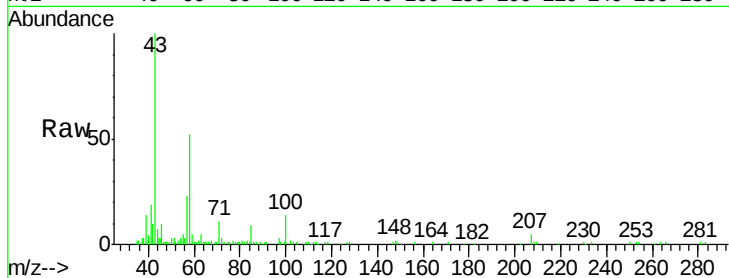
#48
2-Hexanone
Concen: 3.757 ug/L
RT: 9.48 min Scan# 1376
Delta R.T. 0.00 min
Lab File: VX018215.D
Acq: 02 Sep 2020 15:04

Instrument :
MSVOA_X
ClientSampleId :
MDL03

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
58	51.3	41.8	62.8	
57	22.8	15.2	22.8	
100	14.4	9.4	14.2	#

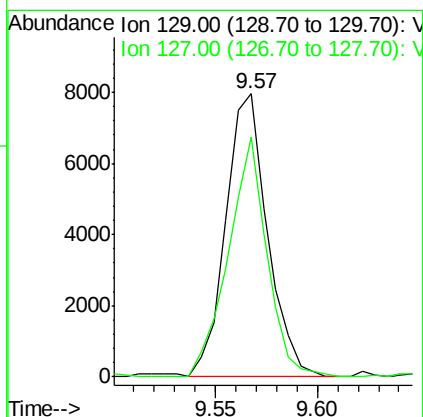
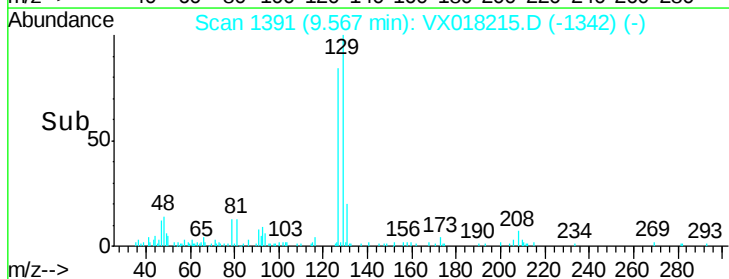
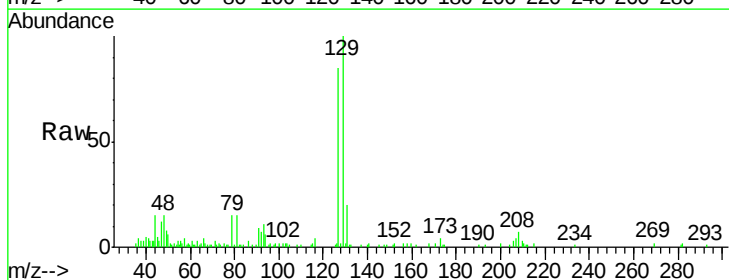
Manual Integrations
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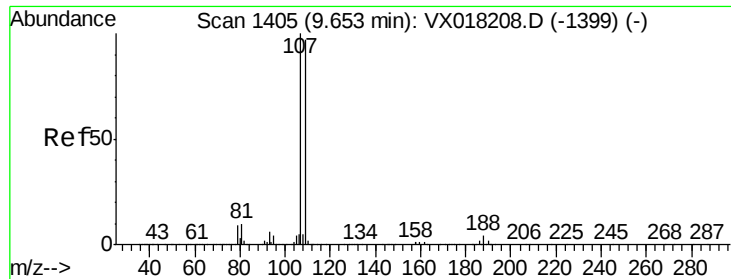
MMDadoda
9/3/2020 9:53:57 AM



#49
Dibromochloromethane
Concen: 1.855 ug/L
RT: 9.57 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VX018215.D
Acq: 02 Sep 2020 15:04

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	84.8	53.1	98.5	





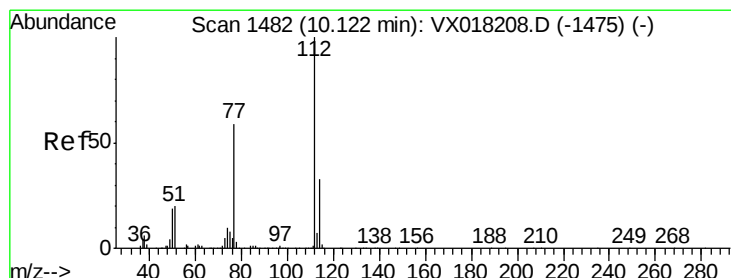
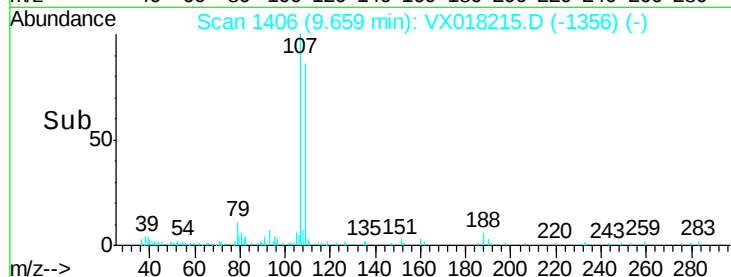
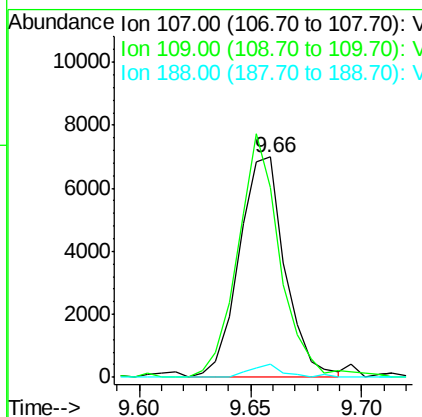
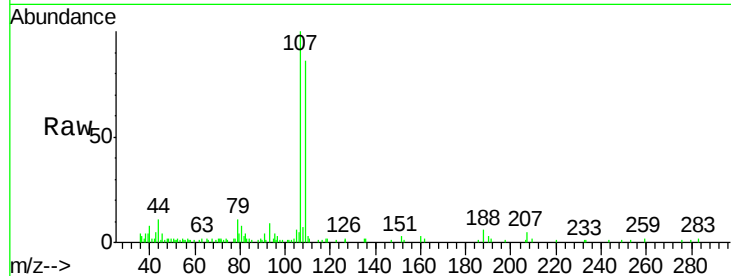
#50
 1,2-Dibromoethane
 Concen: 1.923 ug/L
 RT: 9.66 min Scan# 1406
 Delta R.T. 0.01 min
 Lab File: VX018215.D
 Acq: 02 Sep 2020 15:04

Instrument :
 MSVOA_X
 ClientSampled :
 MDL03

Tot Ion	Ratio	Lower	Upper
107	100		
109	86.3	68.0	126.2
188	6.2	2.8	4.2#

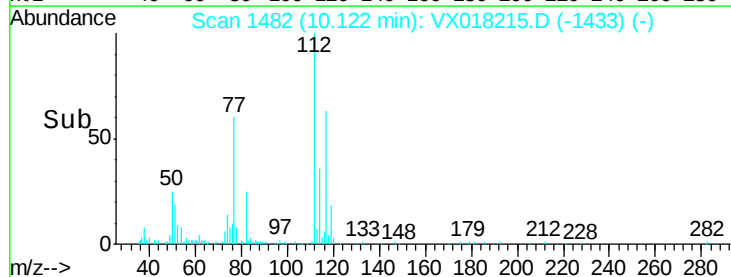
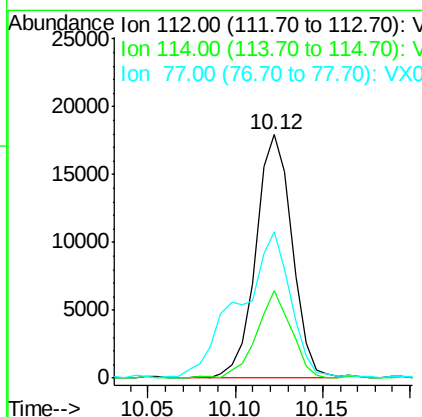
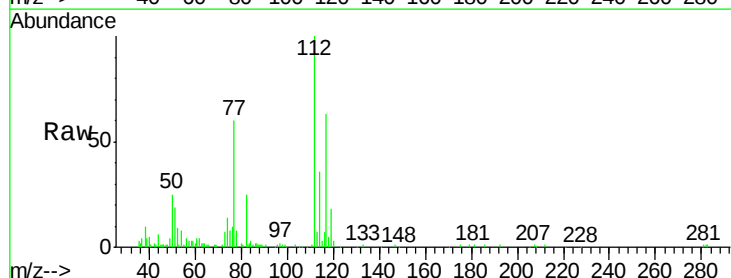
Manual Integrations
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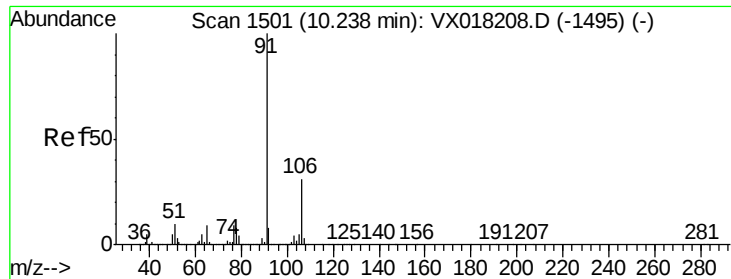
MMDadoda
 9/3/2020 9:53:57 AM



#51
 Chlorobenzene
 Concen: 1.910 ug/L
 RT: 10.12 min Scan# 1482
 Delta R.T. 0.00 min
 Lab File: VX018215.D
 Acq: 02 Sep 2020 15:04

Tgt Ion	Ratio	Lower	Upper
112	100		
114	35.9	23.2	43.2
77	59.9	47.0	70.6





#52

Ethylbenzene

Concen: 1.647 ug/L

RT: 10.24 min Scan# 1501

Delta R.T. 0.00 min

Lab File: VX018215.D

Acq: 02 Sep 2020 15:04

Instrument :

MSVOA_X

ClientSampleId :

MDL03

Tot Ion: 91 Resp: 36662

Ion Ratio Lower Upper

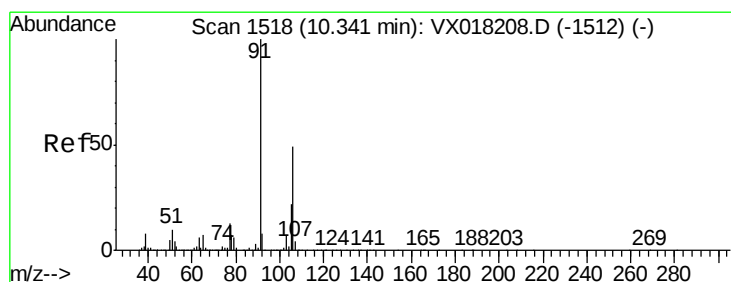
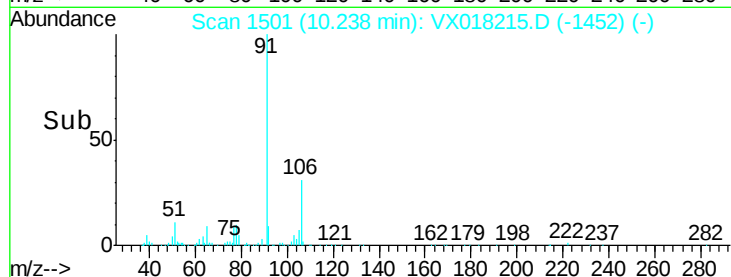
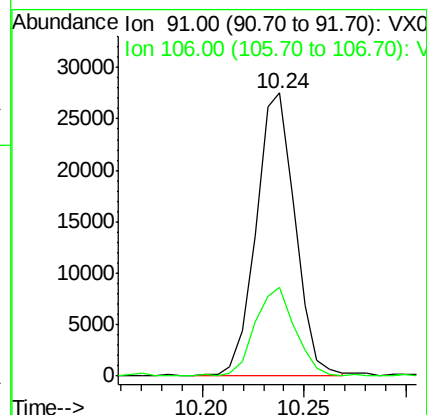
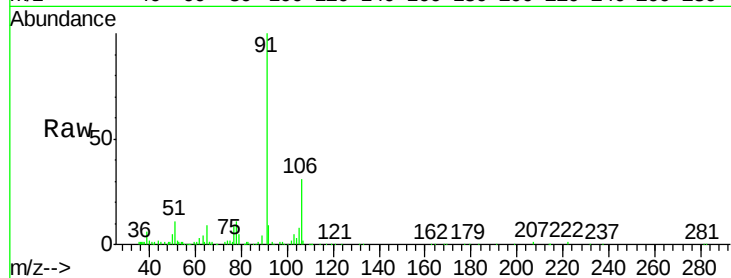
91 100

106 31.3 21.9 40.7

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#53

m,p-Xylene

Concen: 1.672 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX018215.D

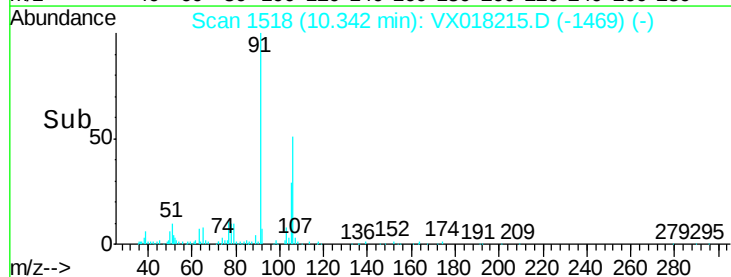
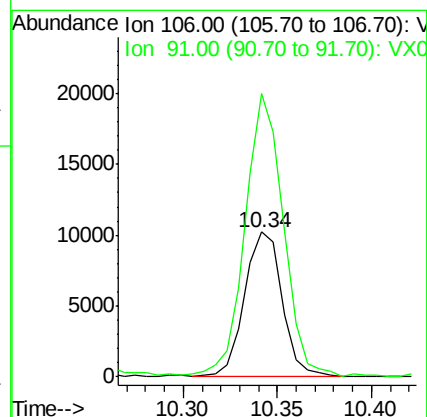
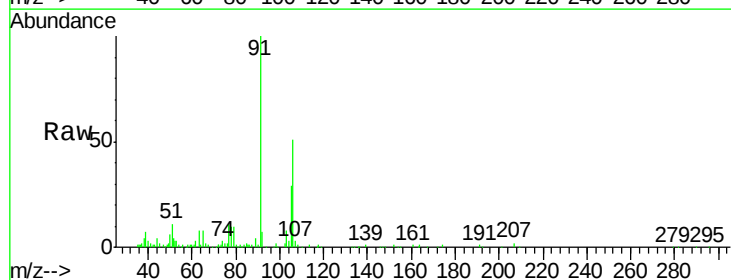
Acq: 02 Sep 2020 15:04

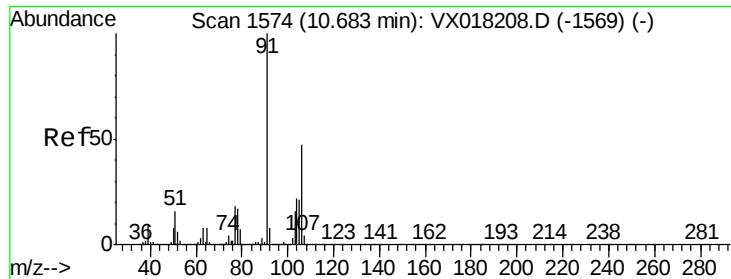
Tgt Ion: 106 Resp: 14219

Ion Ratio Lower Upper

106 100

91 195.5 142.2 264.2





#54

o-xylene

Concen: 1.607 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VX018215.D

Acq: 02 Sep 2020 15:04

Instrument :

MSVOA_X

ClientSampled :

MDL03

Tot Ion:106 Resp: 13041

Ion Ratio Lower Upper

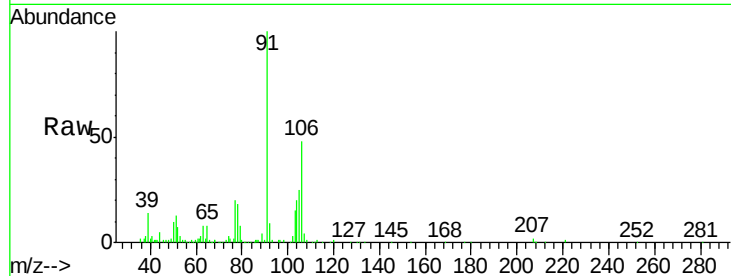
106 100

91 209.0 150.3 279.1

Manual Integrations
APPROVED

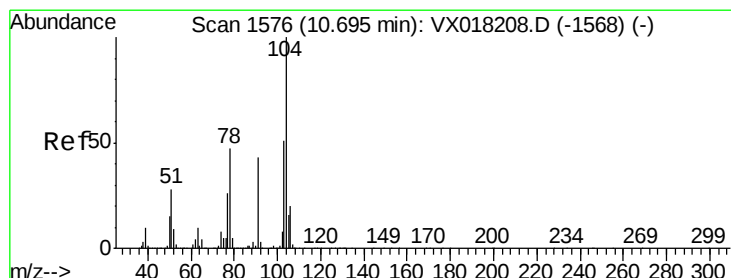
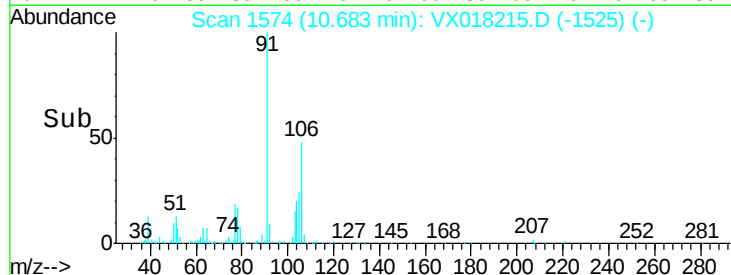
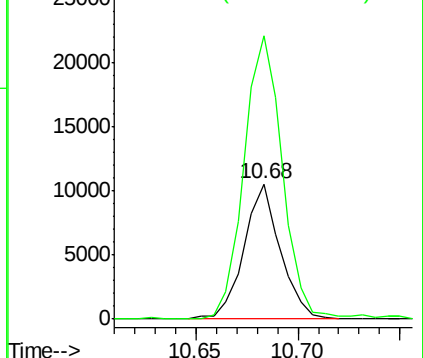
MMDadoda

9/3/2020 9:53:57 AM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#55

Styrene

Concen: 1.563 ug/L

RT: 10.70 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VX018215.D

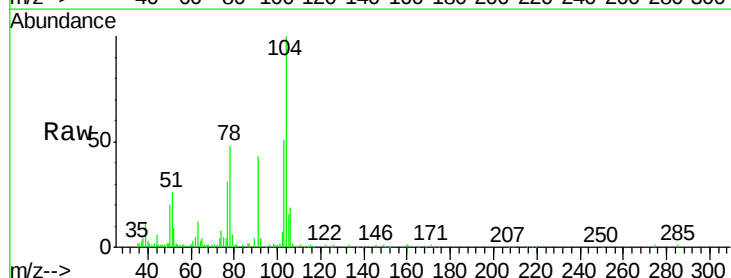
Acq: 02 Sep 2020 15:04

Tgt Ion:104 Resp: 21915

Ion Ratio Lower Upper

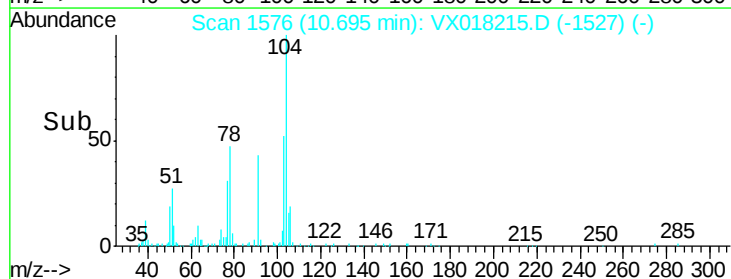
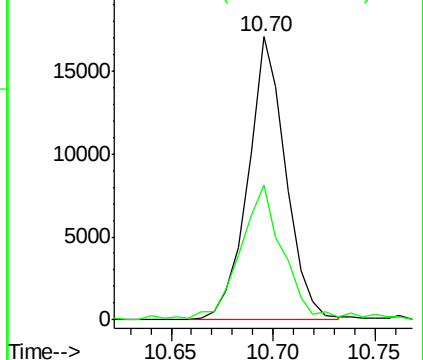
104 100

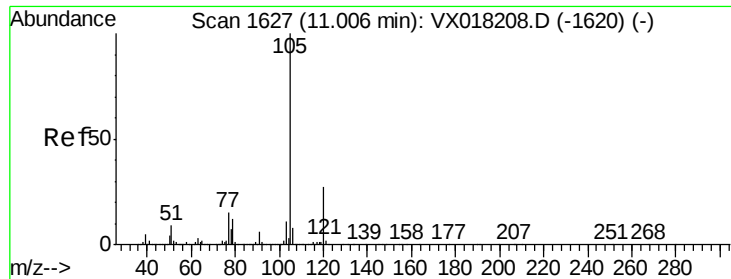
78 47.5 33.1 61.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0





#56

Isopropylbenzene

Concen: 1.534 ug/L

RT: 11.01 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX018215.D

Acq: 02 Sep 2020 15:04

Instrument :

MSVOA_X

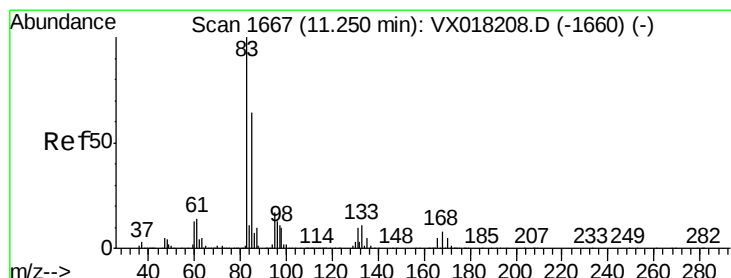
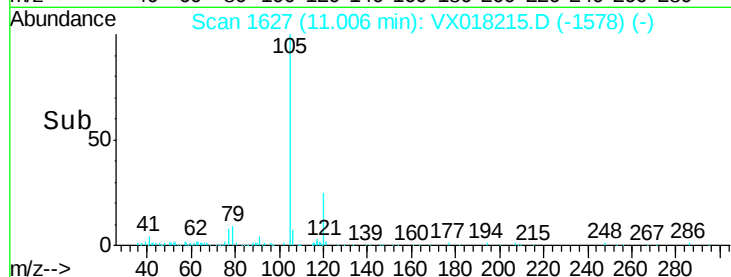
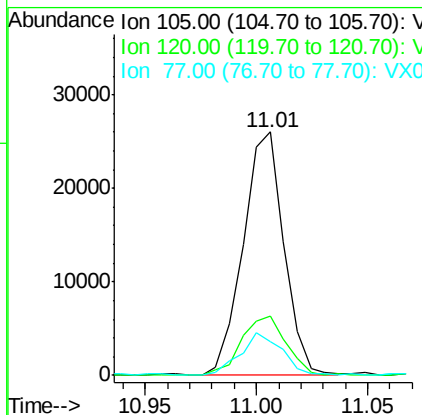
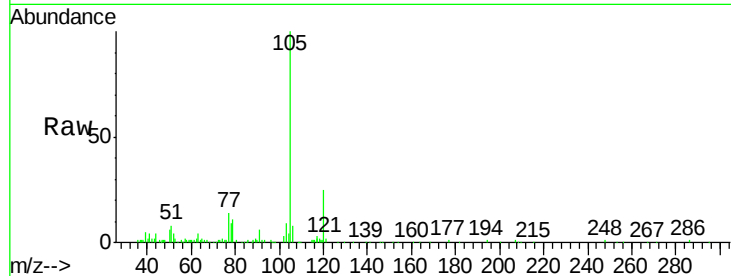
ClientSampleId :

MDL03

Tot Ion:	105	Resp:	33300
Ion Ratio	Lower	Upper	
105	100		
120	26.8	21.3	31.9
77	18.3	12.7	19.1

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#58

1,1,2,2-Tetrachloroethane

Concen: 2.122 ug/L

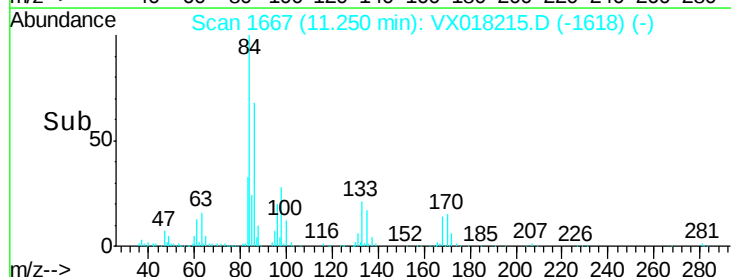
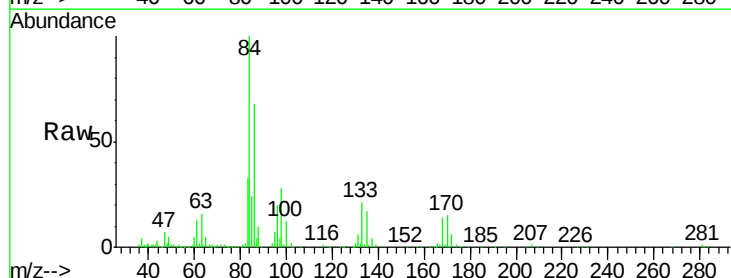
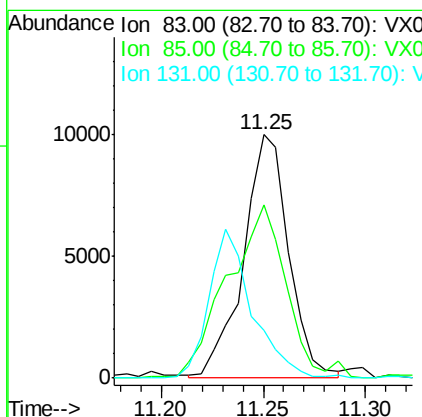
RT: 11.25 min Scan# 1667

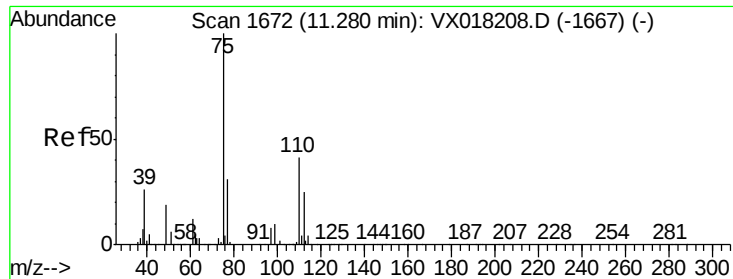
Delta R.T. 0.00 min

Lab File: VX018215.D

Acq: 02 Sep 2020 15:04

Tgt Ion:	83	Resp:	15409
Ion Ratio	Lower	Upper	
83	100		
85	71.4	44.6	82.8
131	19.4	8.0	12.0#





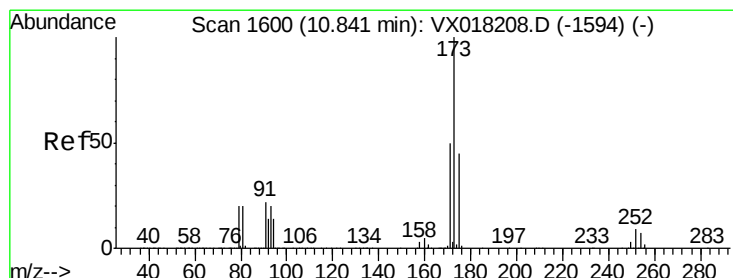
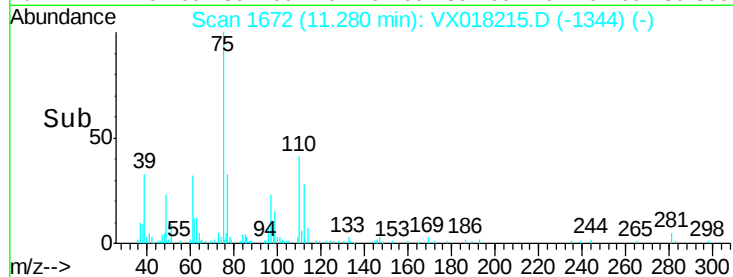
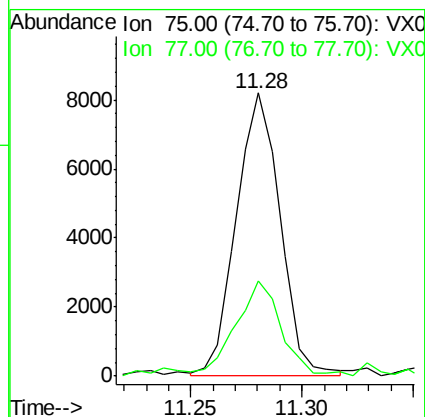
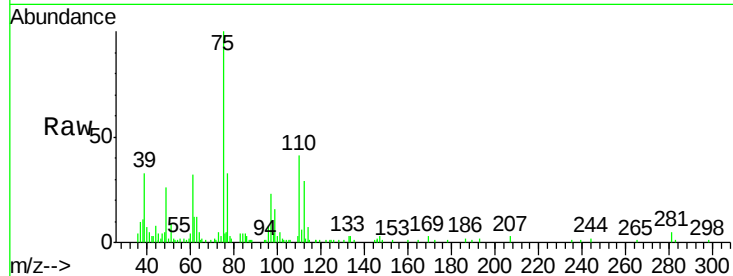
#59
1,2,3-Trichloropropane
Concen: 1.794 ug/L
RT: 11.28 min Scan# 1672
Delta R.T. 0.00 min
Lab File: VX018215.D
Acq: 02 Sep 2020 15:04

Instrument :
MSVOA_X
ClientSampleId :
MDL03

Tot Ion: 75 Resp: 11288
Ion Ratio Lower Upper
75 100
77 34.0 25.8 38.8

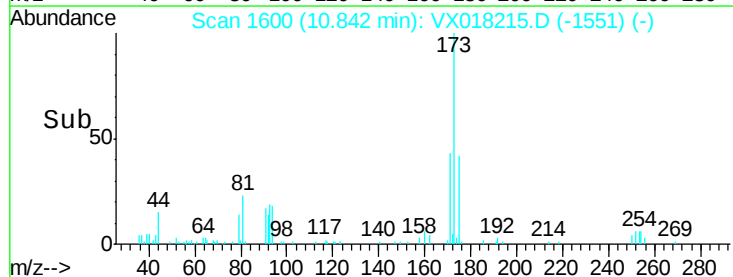
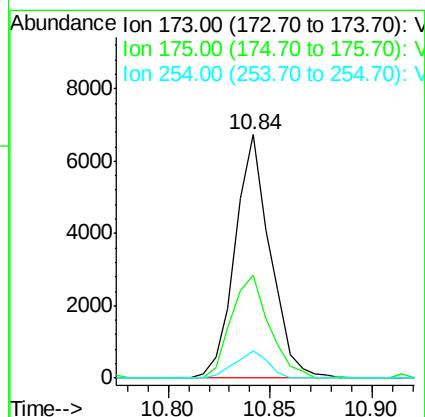
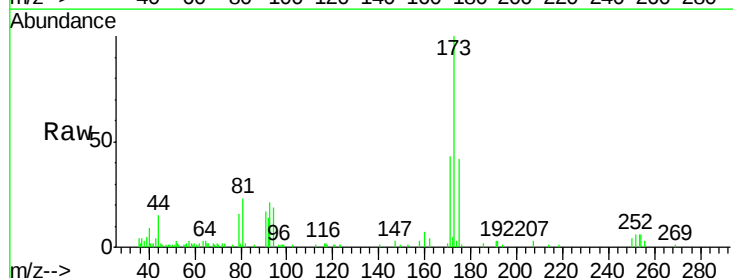
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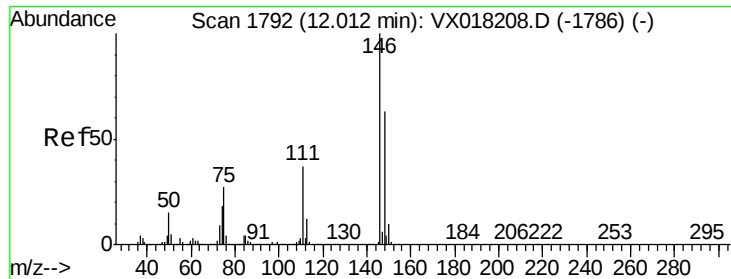
MMDadoda
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#61
Bromoform
Concen: 1.925 ug/L
RT: 10.84 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VX018215.D
Acq: 02 Sep 2020 15:04

Tgt Ion: 173 Resp: 8043
Ion Ratio Lower Upper
173 100
175 45.7 37.9 56.9
254 10.4 6.6 10.0#





#62

1,3-Dichlorobenzene

Concen: 1.839 ug/L

RT: 12.01 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX018215.D

Acq: 02 Sep 2020 15:04

Instrument :

MSVOA_X

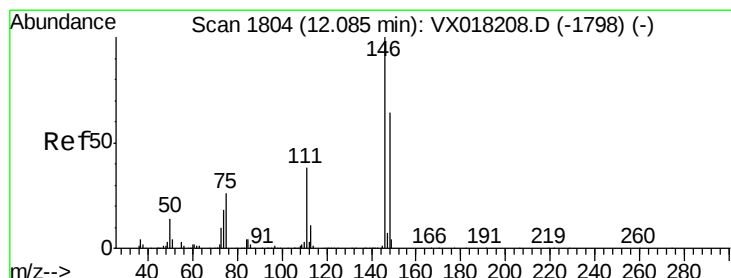
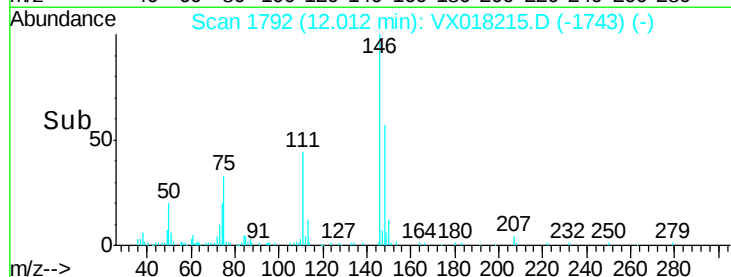
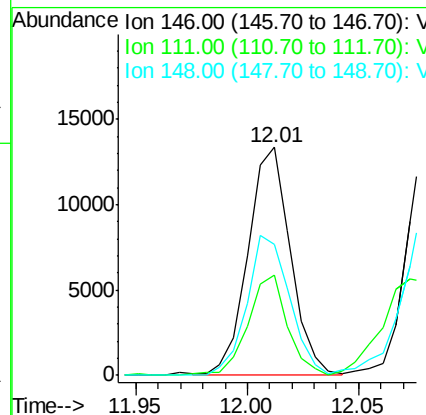
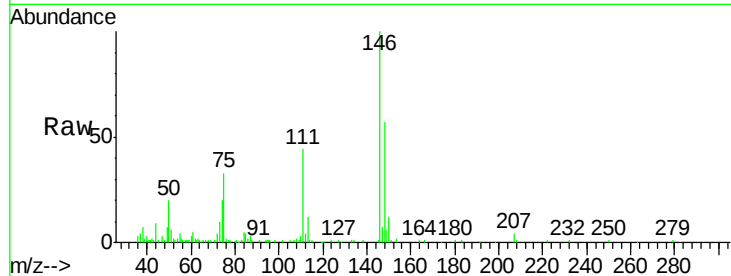
ClientSampleId :

MDL03

Tot Ion:	146	Resp:	17801
Ion Ratio	Lower	Upper	
146	100		
111	43.9	26.2	48.6
148	57.3	44.2	82.2

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#63

1,4-Dichlorobenzene

Concen: 2.037 ug/L

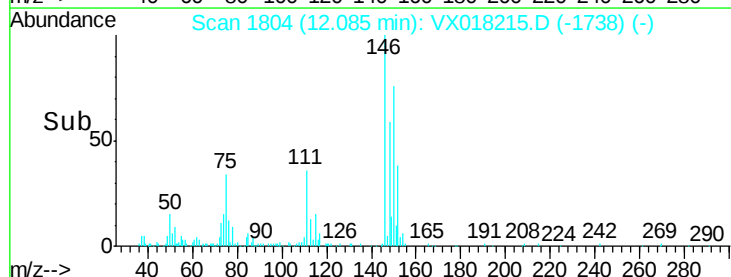
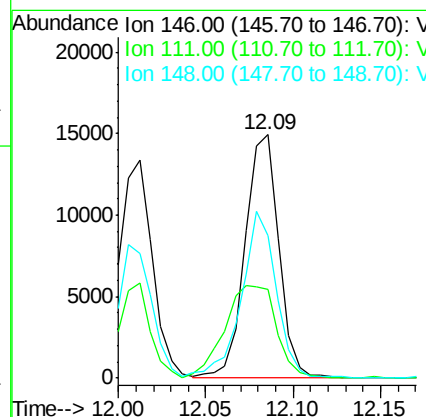
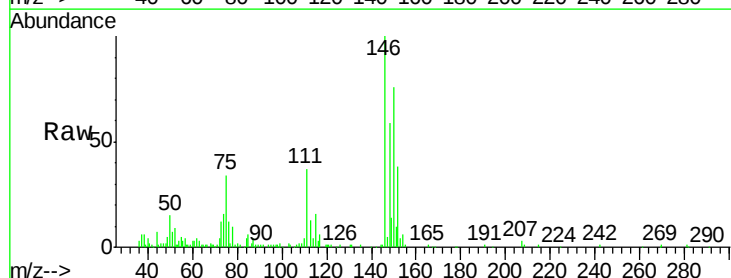
RT: 12.09 min Scan# 1804

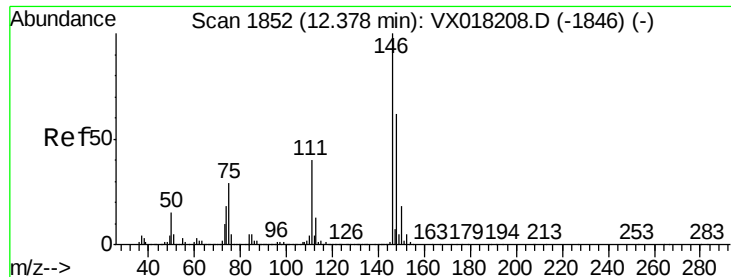
Delta R.T. 0.00 min

Lab File: VX018215.D

Acq: 02 Sep 2020 15:04

Tgt Ion:	146	Resp:	20067
Ion Ratio	Lower	Upper	
146	100		
111	36.6	26.5	49.1
148	58.6	44.5	82.7





#65

1,2-Dichlorobenzene

Concen: 2.149 ug/L

RT: 12.37 min Scan# 1851

Delta R.T. -0.01 min

Lab File: VX018215.D

Acq: 02 Sep 2020 15:04

Instrument :

MSVOA_X

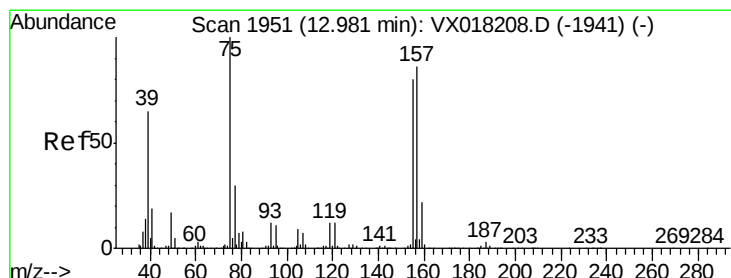
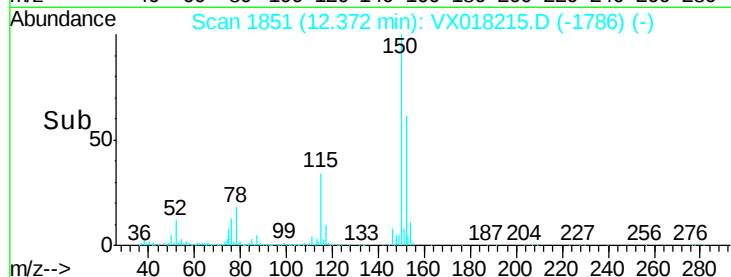
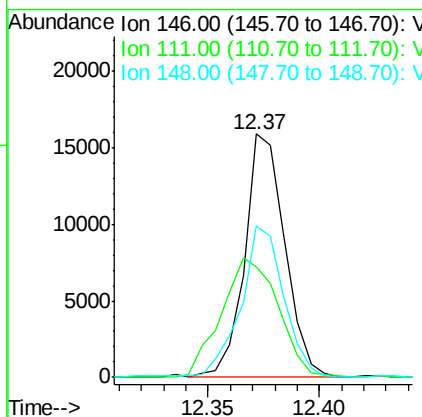
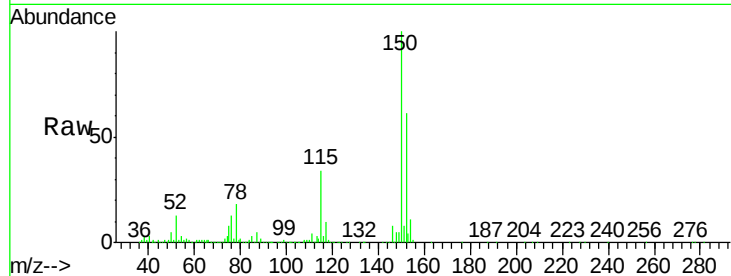
ClientSampled :

MDL03

Tot Ion:	146	Resp:	20040
Ion Ratio	Lower	Upper	
146	100		
111	45.5	32.4	48.6
148	62.1	49.7	74.5

Manual Integrations
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#66

1,2-Dibromo-3-chloropropane

Concen: 2.040 ug/L

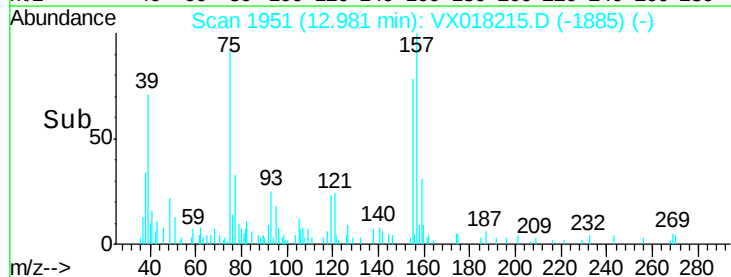
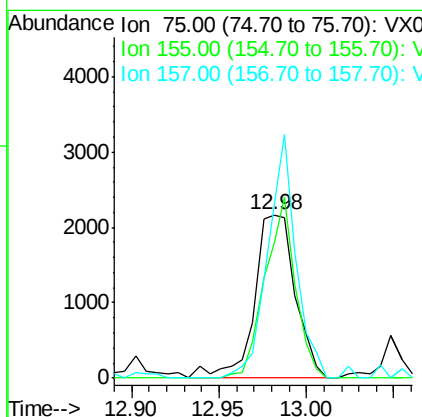
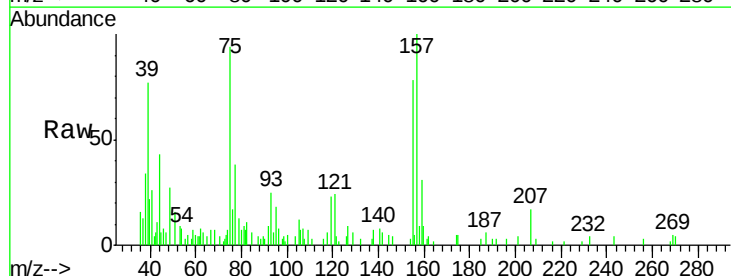
RT: 12.98 min Scan# 1951

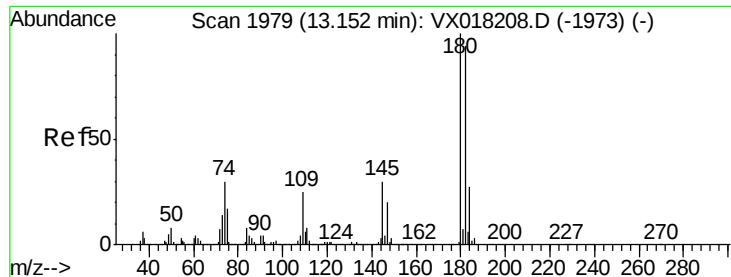
Delta R.T. 0.00 min

Lab File: VX018215.D

Acq: 02 Sep 2020 15:04

Tgt Ion:	75	Resp:	3558
Ion Ratio	Lower	Upper	
75	100		
155	82.4	63.8	95.8
157	106.2	68.5	102.7#





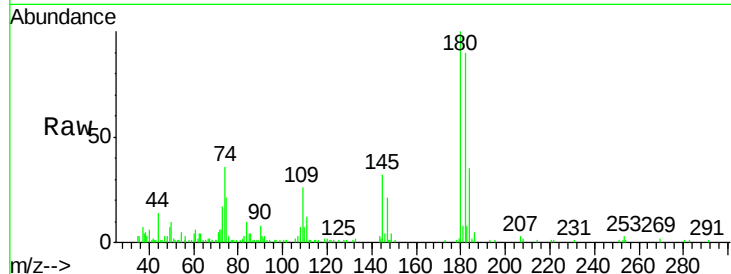
#67
 1,3,5-Trichlorobenzene
 Concen: 1.931 ug/L
 RT: 13.15 min Scan# 1979
 Delta R.T. 0.00 min
 Lab File: VX018215.D
 Acq: 02 Sep 2020 15:04

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL03

Tot Ion	Ratio	Lower	Upper
180	100		
182	89.9	77.1	115.7
184	30.4	23.8	35.6
145	30.0	24.4	36.6

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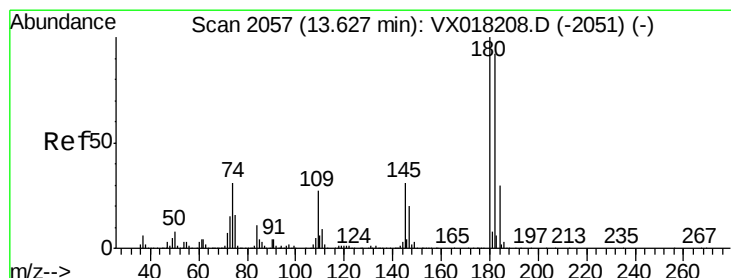
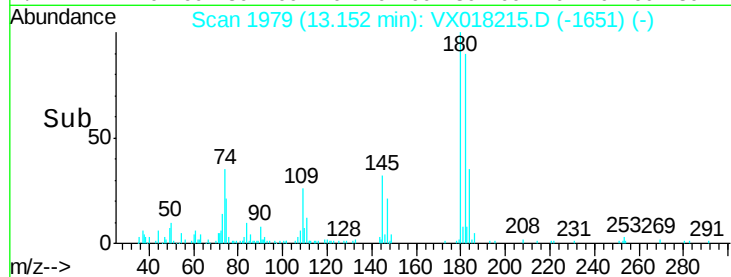
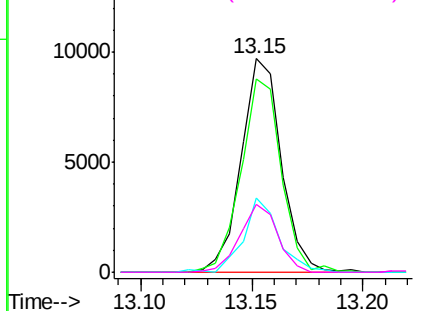


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

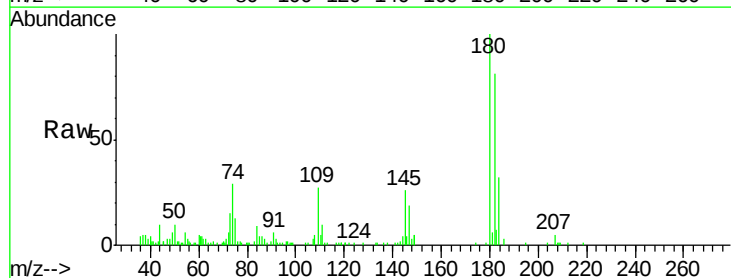
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 1.849 ug/L
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX018215.D
 Acq: 02 Sep 2020 15:04

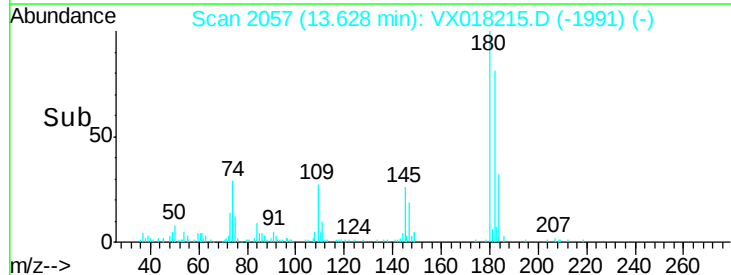
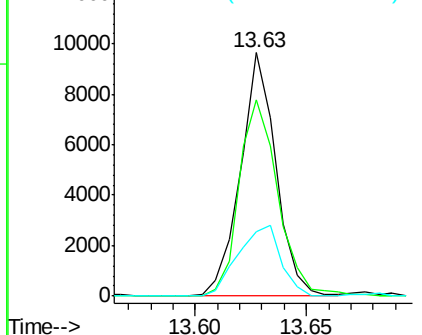
Tgt Ion	Ratio	Lower	Upper
180	100		
182	87.3	74.1	111.1
145	34.7	25.0	37.4

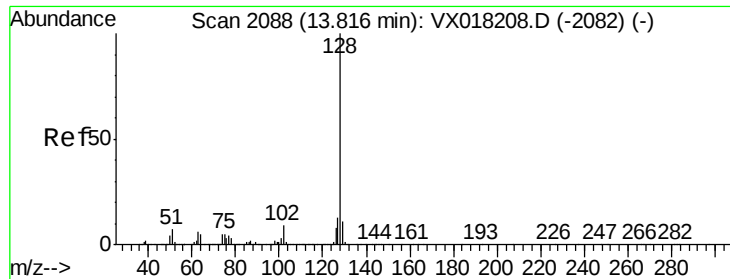


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 1.544 ug/L

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX018215.D

Acq: 02 Sep 2020 15:04

Instrument :

MSVOA_X

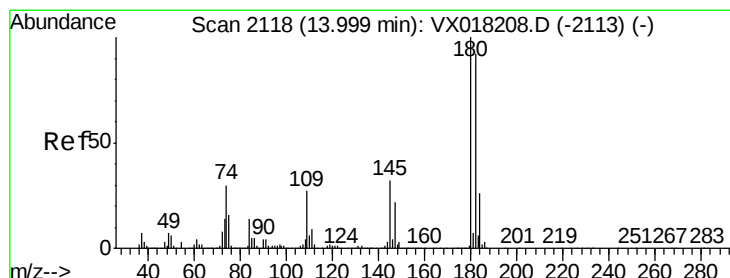
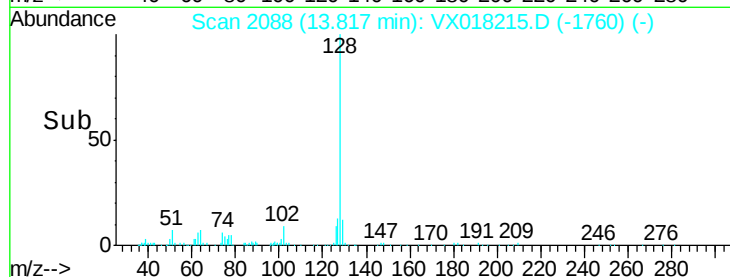
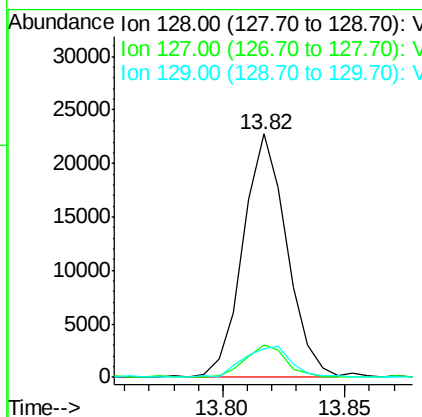
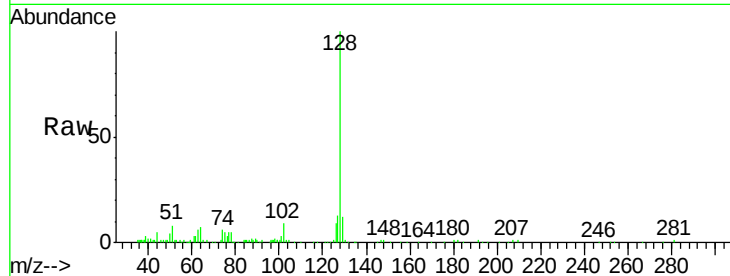
ClientSampleId :

MDL03

Tot Ion:	128	Resp:	28443
Ion Ratio	Lower	Upper	
128	100		
127	12.5	10.0	15.0
129	13.9	8.6	12.8#

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#70

1,2,3-Trichlorobenzene

Concen: 1.911 ug/L

RT: 14.01 min Scan# 2119

Delta R.T. 0.01 min

Lab File: VX018215.D

Acq: 02 Sep 2020 15:04

Tgt Ion:	180	Resp:	11139
Ion Ratio	Lower	Upper	
180	100		
182	85.3	77.0	115.4
145	31.4	27.2	40.8

