

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX090220\
 Data File : VX018217.D
 Acq On : 02 Sep 2020 15:49
 Operator : JC/SP
 Sample : MDL05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL05

Manual Integrations
 APPROVED

MMDadoda
 9/3/2020 9:54:07 AM

Quant Time: Sep 03 05:21:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXML090220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 03 05:15:01 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.84	114	628837	50.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	591758	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	12.06	152	270604	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	255333	50.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	100.64%
7) Chloroethane-d5	1.70	69	198701	52.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	104.12%
11) 1,1-Dichloroethene-d2	2.34	63	393072	40.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.62%
21) 2-Butanone-d5	4.54	46	359760	102.42	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.42%
24) Chloroform-d	5.15	84	481967	52.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.26%
26) 1,2-Dichloroethane-d4	6.03	65	355766	51.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.02%
32) Benzene-d6	6.05	84	956577	54.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.84%
36) 1,2-Dichloropropane-d6	7.37	67	308899	55.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	111.78%
41) Toluene-d8	8.70	98	891847	52.30	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.60%
43) trans-1,3-Dichloropropene-	8.99	79	164009	53.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	106.40%
47) 2-Hexanone-d5	9.43	63	258495	105.56	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.56%
57) 1,1,2,2-Tetrachloroethane-	11.23	84	388503	52.14	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.28%
64) 1,2-Dichlorobenzene-d4	12.36	152	336373	57.22	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	114.44%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	11227	2.099 ug/L	100
3) Chloromethane	1.31	50	9940	2.028 ug/L	89
5) Vinyl chloride	1.39	62	11869m	2.436 ug/L	
6) Bromomethane	1.64	94	6496	2.331 ug/L	97
8) Chloroethane	1.72	64	6686	2.334 ug/L	91
9) Trichlorofluoromethane	1.92	101	17008	2.103 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.37	101	13279	3.020 ug/L #	77
12) 1,1-Dichloroethene	2.36	96	11801	2.852 ug/L #	1
13) Acetone	2.43	43	9713	4.851 ug/L	96
14) Carbon disulfide	2.56	76	29157	2.225 ug/L	99
15) Methyl Acetate	2.75	43	10869	2.209 ug/L	95
16) Methylene chloride	2.84	84	12083	2.576 ug/L	97
17) trans-1,2-Dichloroethene	3.14	96	9762	2.201 ug/L	96
18) Methyl tert-butyl Ether	3.17	73	27267	1.968 ug/L #	93
19) 1,1-Dichloroethane	3.67	63	17742	2.134 ug/L	87
20) cis-1,2-Dichloroethene	4.57	96	10706	2.257 ug/L #	87
22) 2-Butanone	4.65	43	14691m	4.474 ug/L	

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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

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

23) Bromochloromethane	4.98	128	6158m	2.320	uq/L	
25) Chloroform	5.18	83	42869	4.507	uq/L	97
27) 1,2-Dichloroethane	6.17	62	16321	2.265	uq/L	96
29) Cyclohexane	5.56	56	13575m	2.084	uq/L	
30) 1,1,1-Trichloroethane	5.46	97	17903	2.203	uq/L	95
31) Carbon tetrachloride	5.76	117	15577	2.105	uq/L	99
33) Benzene	6.12	78	36471	2.130	uq/L	100
34) Trichloroethene	7.19	95	10607	2.207	uq/L	88
35) Methylcyclohexane	7.45	83	13698	2.050	uq/L	99
37) 1,2-Dichloropropane	7.49	63	10708	2.362	uq/L	100
38) Bromodichloromethane	7.88	83	14037	2.174	uq/L	99
39) cis-1,3-Dichloropropene	8.42	75	14572	2.061	uq/L	95
40) 4-Methyl-2-pentanone	8.62	43	24833	4.039	uq/L	98
42) Toluene	8.76	91	38593	2.100	uq/L	96
44) trans-1,3-Dichloropropene	9.02	75	14925	2.007	uq/L	96
45) 1,1,2-Trichloroethane	9.20	97	9942	2.184	uq/L	94
46) Tetrachloroethene	9.32	164	8242	2.151	uq/L	83
48) 2-Hexanone	9.48	43	20165	4.058	uq/L #	94
49) Dibromochloromethane	9.57	129	11415	2.046	uq/L	94
50) 1,2-Dibromoethane	9.65	107	11084	2.299	uq/L #	82
51) Chlorobenzene	10.12	112	25939	2.073	uq/L	90
52) Ethylbenzene	10.23	91	38858	1.897	uq/L	95
53) m,p-Xylene	10.34	106	13931	1.780	uq/L	97
54) o-xylene	10.68	106	14119	1.890	uq/L	89
55) Styrene	10.70	104	23198	1.798	uq/L	94
56) Isopropylbenzene	11.00	105	35388	1.771	uq/L	98
58) 1,1,1,2,2-Tetrachloroethane	11.25	83	15337	2.295	uq/L #	95
59) 1,2,3-Trichloropropane	11.28	75	12627	2.180	uq/L	99
61) Bromoform	10.84	173	8410	2.192	uq/L	97
62) 1,3-Dichlorobenzene	12.01	146	18258	2.054	uq/L	95
63) 1,4-Dichlorobenzene	12.08	146	19220	2.124	uq/L	88
65) 1,2-Dichlorobenzene	12.38	146	19103	2.231	uq/L	97
66) 1,2-Dibromo-3-chloropropan	12.99	75	4102	2.562	uq/L	86
67) 1,3,5-Trichlorobenzene	13.15	180	11530	1.988	uq/L	93
68) 1,2,4-trichlorobenzene	13.63	180	11402	2.131	uq/L	98
69) Naphthalene	13.82	128	30249	1.788	uq/L	98
70) 1,2,3-Trichlorobenzene	14.00	180	10946	2.045	uq/L	99

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

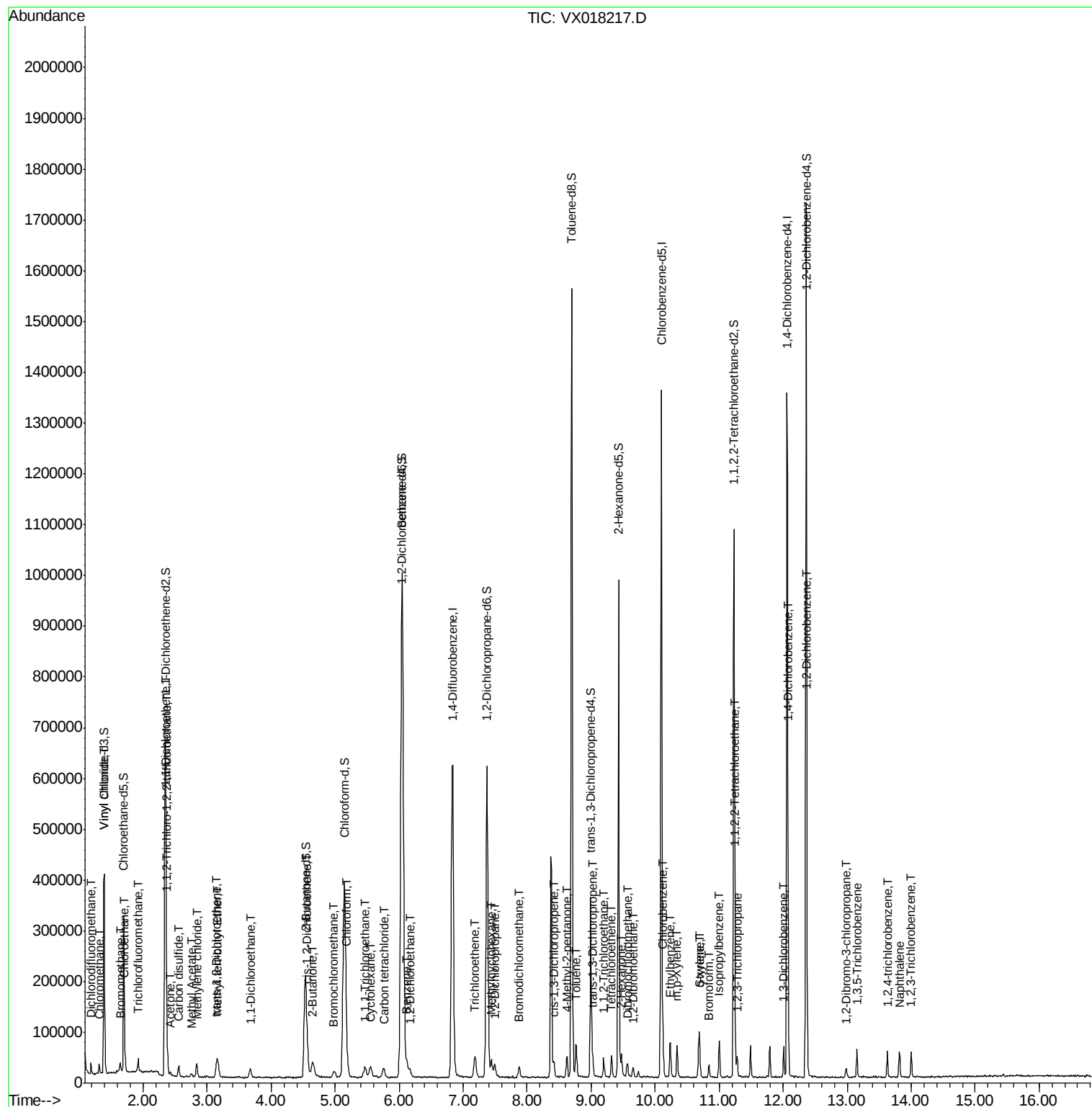
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX090220\
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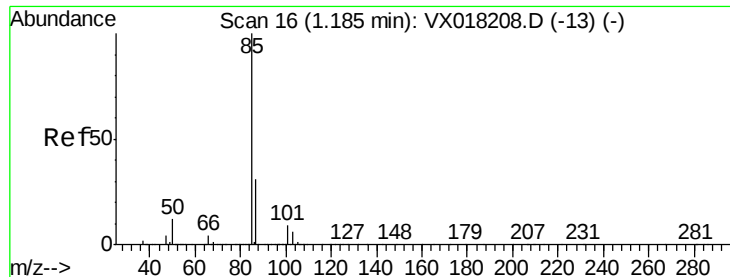
Instrument :
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ClientSampleId :
MDL05

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\SOMXLM090220WMA.M
Quant Title : VOC Analysis
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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 2.099 ug/L

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX018217.D

Acq: 02 Sep 2020 15:49

Instrument :

MSVOA_X

ClientSampleId :

MDL05

Tot Ion: 85 Resp: 11227

Ion Ratio Lower Upper

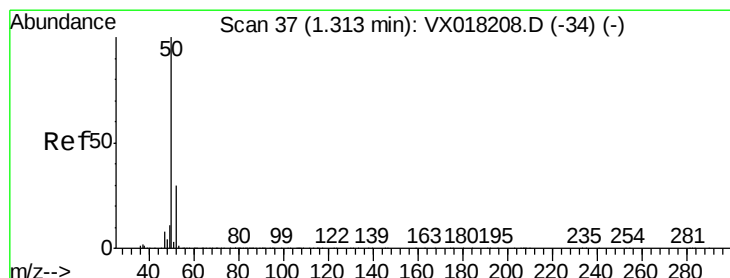
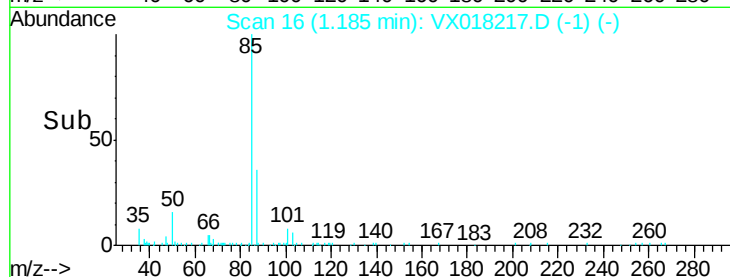
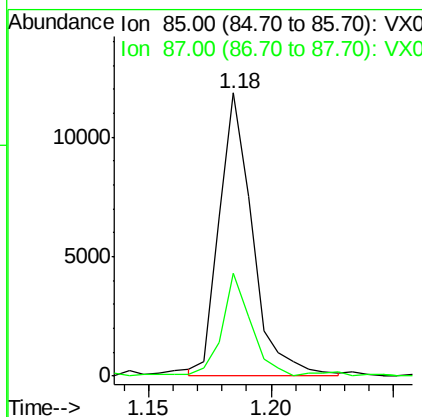
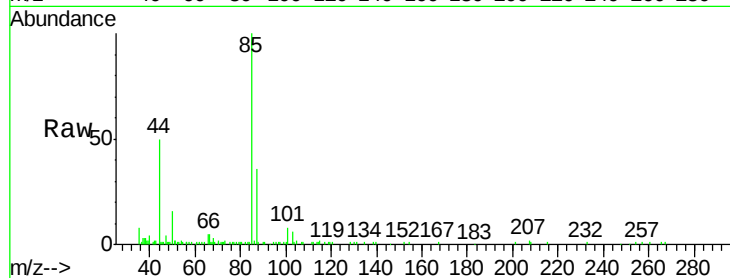
85 100

87 31.3 25.2 37.8

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#3

Chloromethane

Concen: 2.028 ug/L

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX018217.D

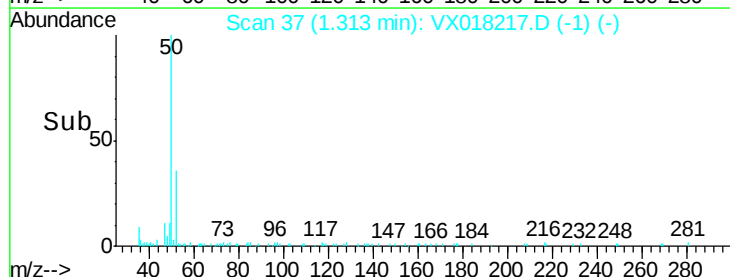
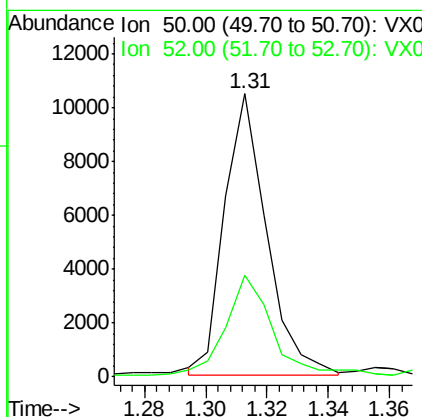
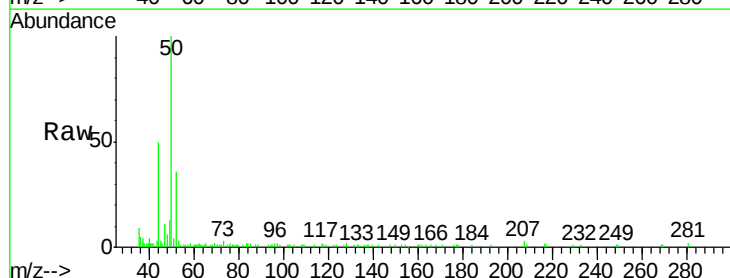
Acq: 02 Sep 2020 15:49

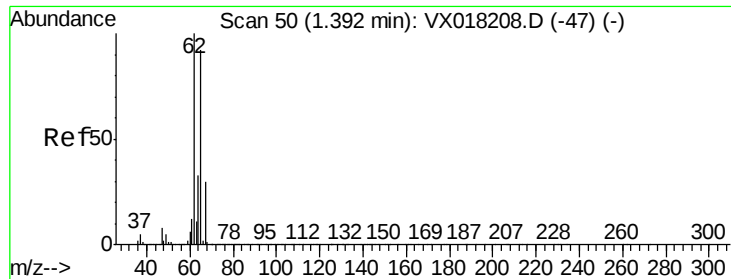
Tgt Ion: 50 Resp: 9940

Ion Ratio Lower Upper

50 100

52 36.0 21.0 39.0





#5

Vinyl chloride

Concen: 2.436 ug/L m

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX018217.D

Acq: 02 Sep 2020 15:49

Instrument :

MSVOA_X

ClientSampled :

MDL05

Tot Ion: 62 Resp: 11869

Ion Ratio Lower Upper

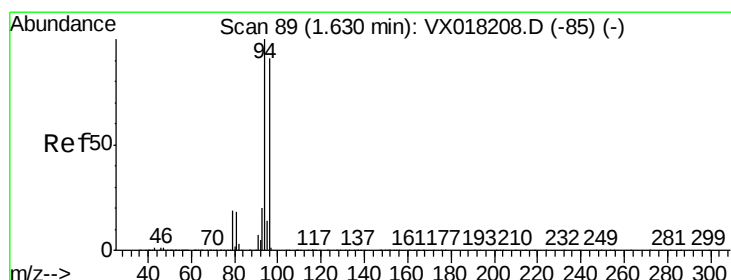
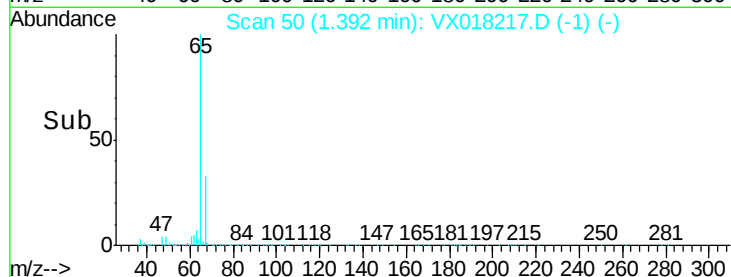
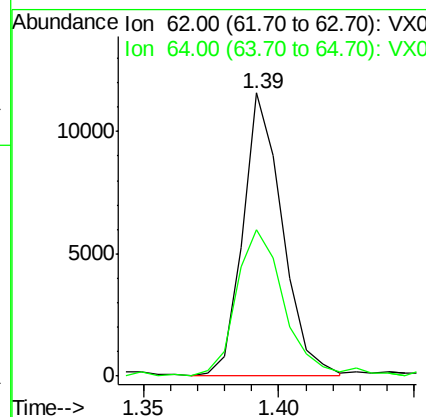
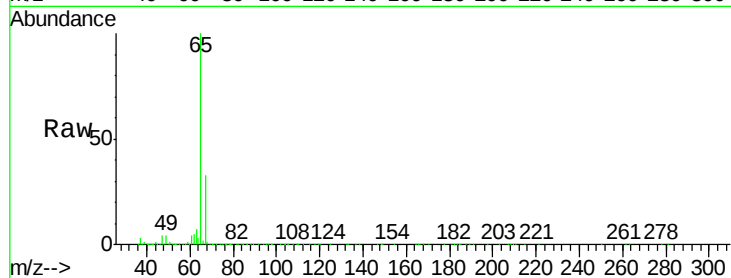
62 100

64 51.7 23.2 43.2#

Manual Integrations
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#6

Bromomethane

Concen: 2.331 ug/L

RT: 1.64 min Scan# 91

Delta R.T. 0.01 min

Lab File: VX018217.D

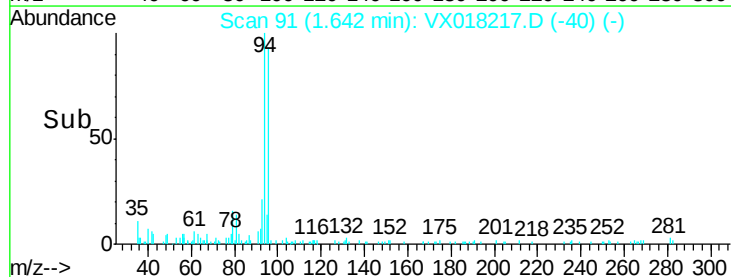
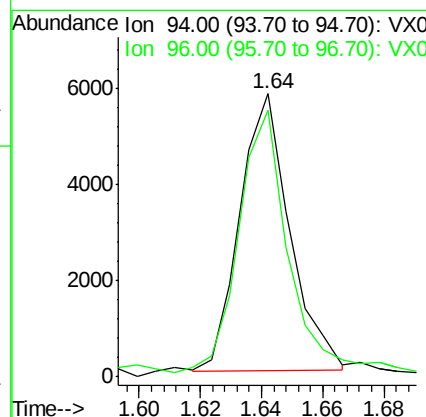
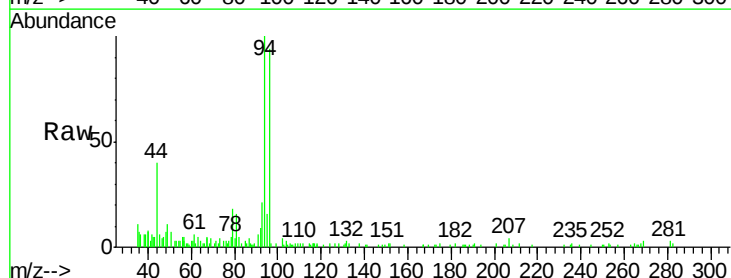
Acq: 02 Sep 2020 15:49

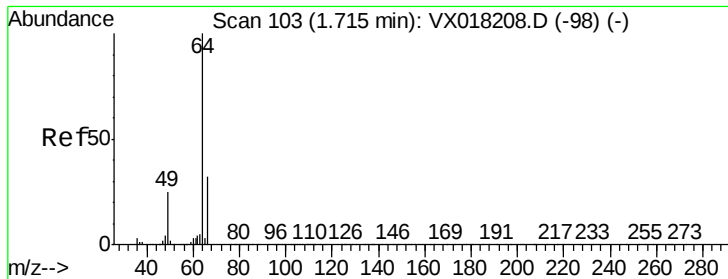
Tgt Ion: 94 Resp: 6496

Ion Ratio Lower Upper

94 100

96 94.1 63.9 118.7





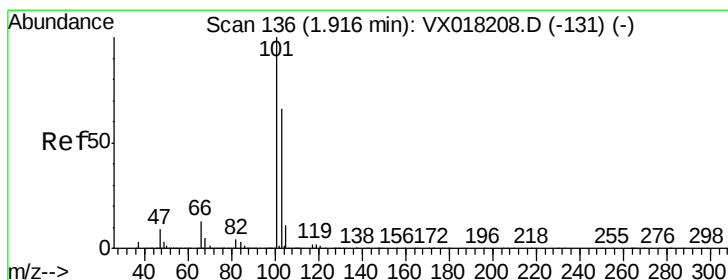
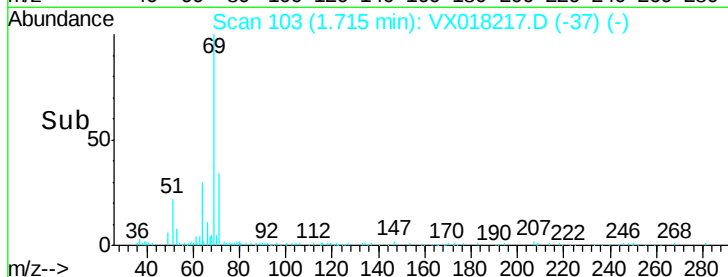
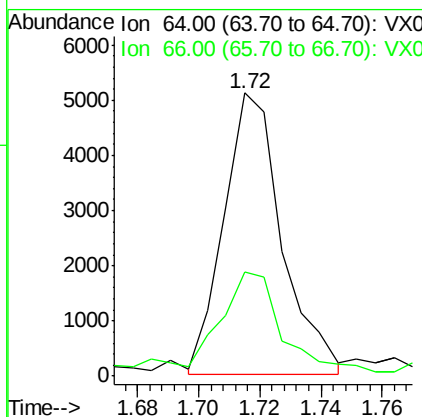
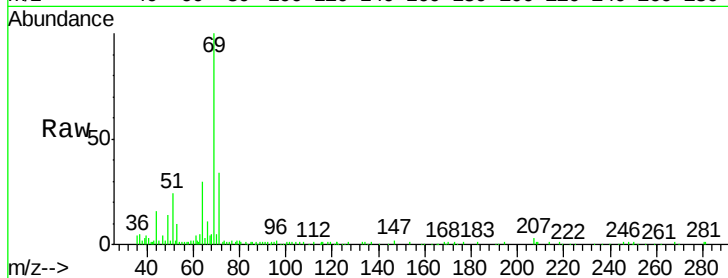
#8
Chloroethane
Concen: 2.334 ug/L
RT: 1.72 min Scan# 103
Delta R.T. 0.00 min
Lab File: VX018217.D
Acq: 02 Sep 2020 15:49

Instrument :
MSVOA_X
ClientSampleId :
MDL05

Tot Ion	Ratio	Lower	Upper
64	100		
66	36.9	22.5	41.7

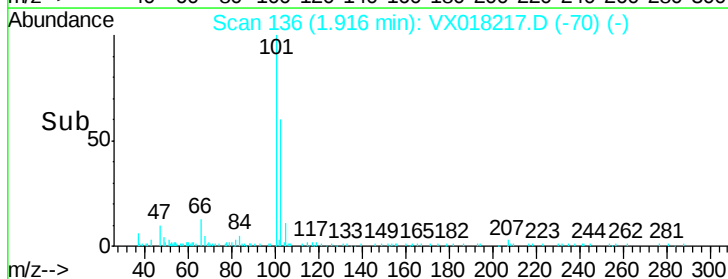
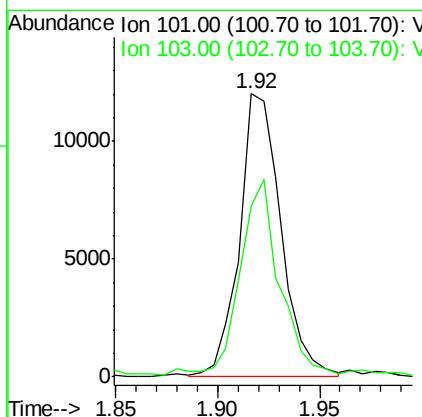
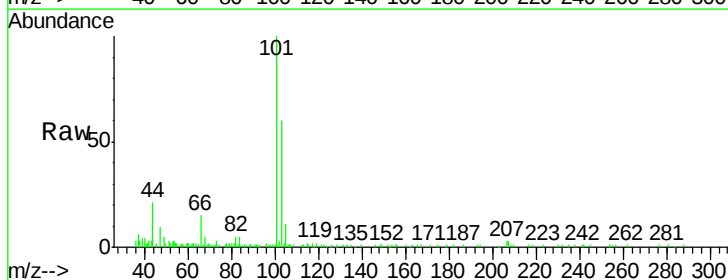
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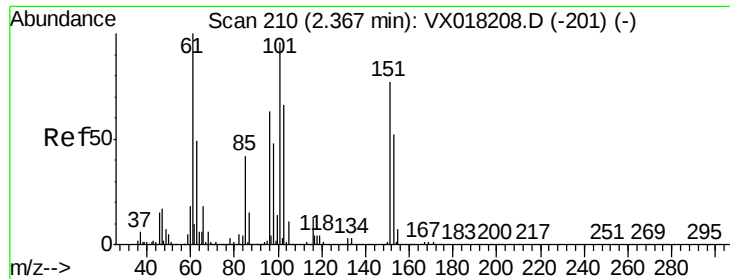
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#9
Trichlorofluoromethane
Concen: 2.103 ug/L
RT: 1.92 min Scan# 136
Delta R.T. 0.00 min
Lab File: VX018217.D
Acq: 02 Sep 2020 15:49

Tgt Ion	Ratio	Lower	Upper
101	100		
103	66.7	51.4	77.2





#10

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

Concen: 3.020 ug/L

RT: 2.37 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX018217.D

Acq: 02 Sep 2020 15:49

Instrument :

MSVOA_X

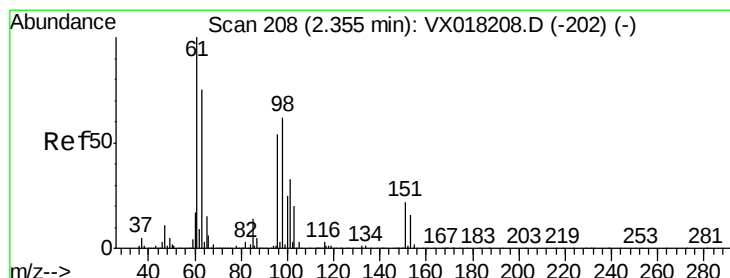
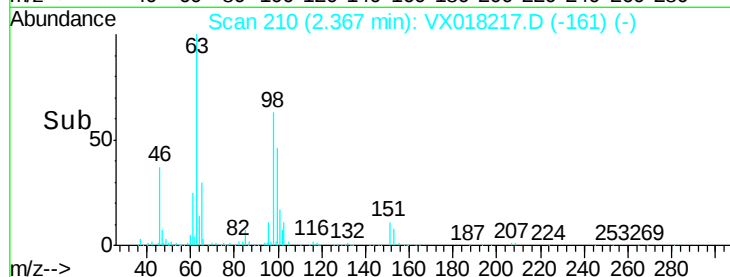
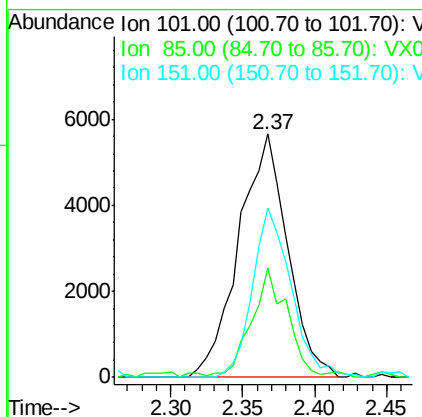
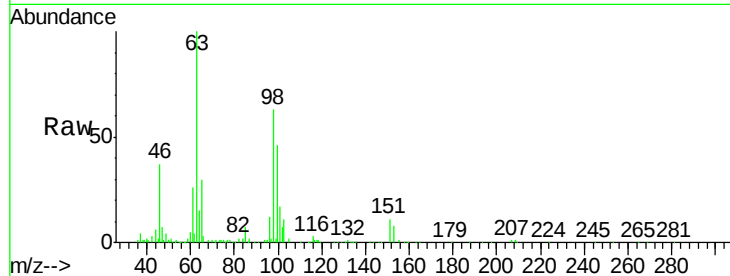
ClientSampleId :

MDL05

Tot Ion:	101	Resp:	13279
Ion Ratio	Lower	Upper	
101	100		
85	32.2	35.8	53.6#
151	55.1	61.6	92.4#

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#12

1,1-Dichloroethene

Concen: 2.852 ug/L

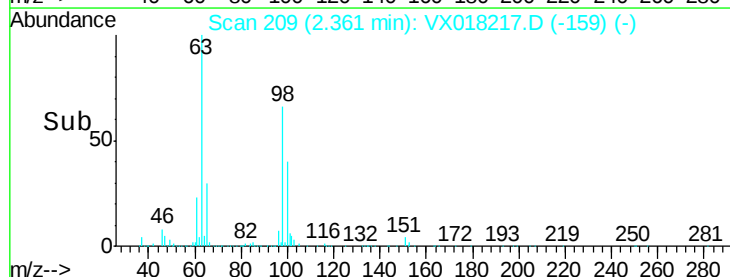
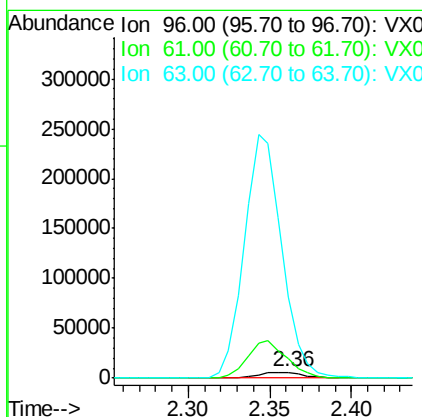
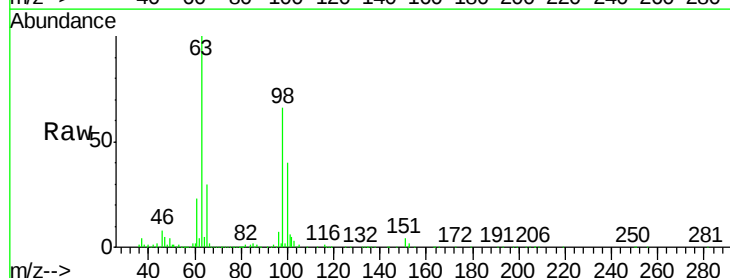
RT: 2.36 min Scan# 209

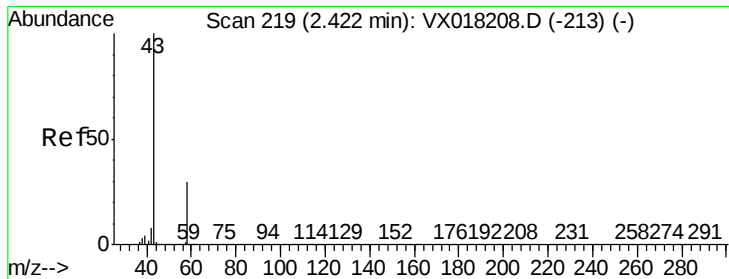
Delta R.T. 0.01 min

Lab File: VX018217.D

Acq: 02 Sep 2020 15:49

Tgt Ion:	96	Resp:	11801
Ion Ratio	Lower	Upper	
96	100		
61	322.0	130.5	242.5#
63	1378.6	103.0	191.2#





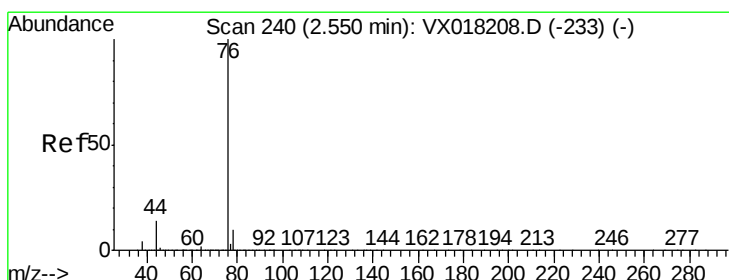
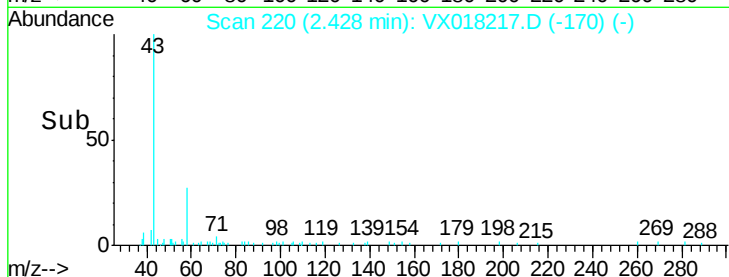
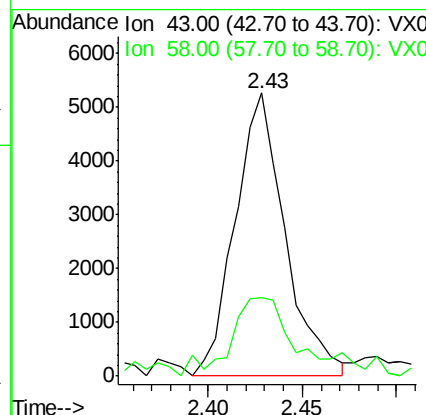
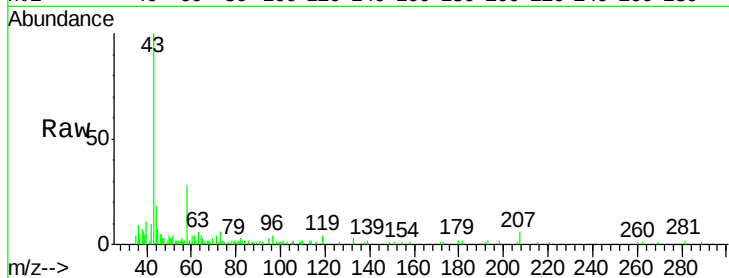
#13
Acetone
Concen: 4.851 ug/L
RT: 2.43 min Scan# 220
Delta R.T. 0.01 min
Lab File: VX018217.D
Acq: 02 Sep 2020 15:49

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ClientSampleId :
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Tot Ion	43	Resp	9713
Ion Ratio	100	Lower	Upper
43	100	0.0	59.2
58	27.6		

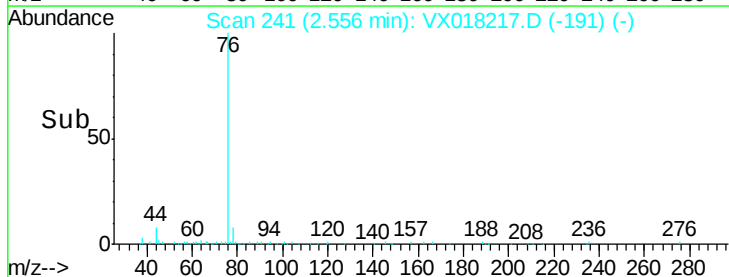
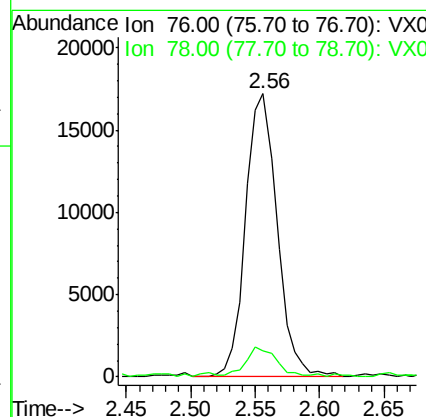
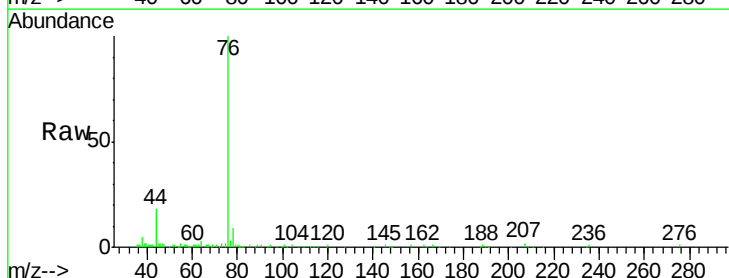
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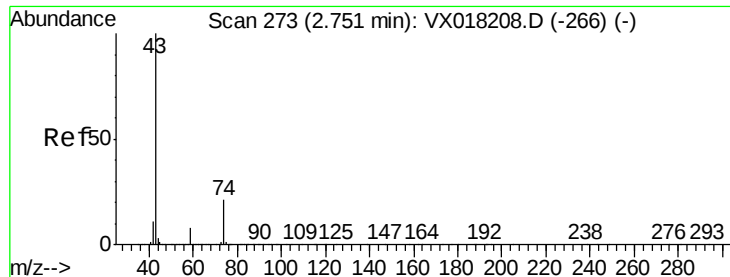
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9/3/2020 9:54:07 AM



#14
Carbon disulfide
Concen: 2.225 ug/L
RT: 2.56 min Scan# 241
Delta R.T. 0.01 min
Lab File: VX018217.D
Acq: 02 Sep 2020 15:49

Tgt Ion	76	Resp	29157
Ion Ratio	100	Lower	Upper
76	100	7.7	11.5
78	9.4		





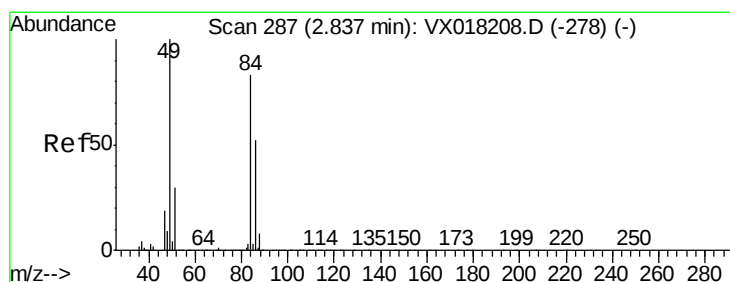
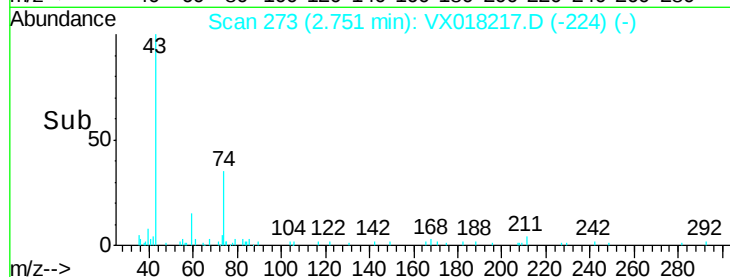
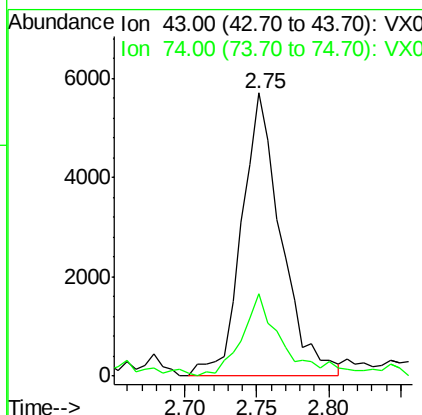
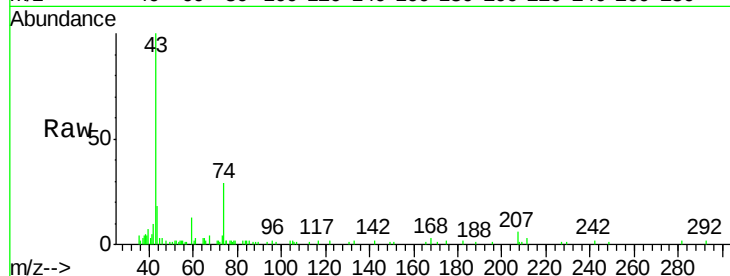
#15
Methvl Acetate
Concen: 2.209 ug/L
RT: 2.75 min Scan# 273
Delta R.T. 0.00 min
Lab File: VX018217.D
Acq: 02 Sep 2020 15:49

Instrument :
MSVOA_X
ClientSampleId :
MDL05

Tot Ion: 43 Resp: 10869
Ion Ratio Lower Upper
43 100
74 24.8 17.8 26.8

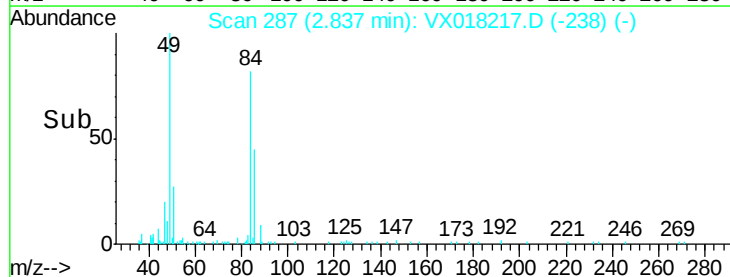
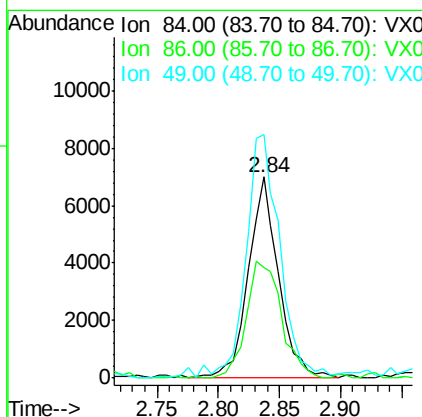
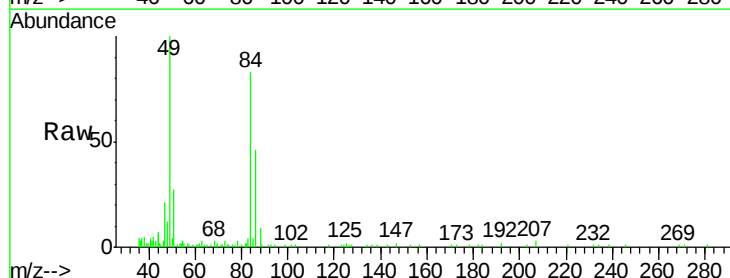
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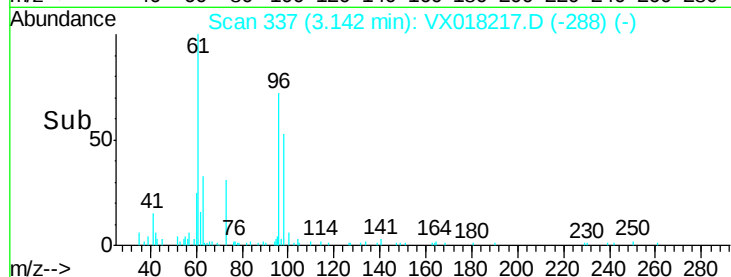
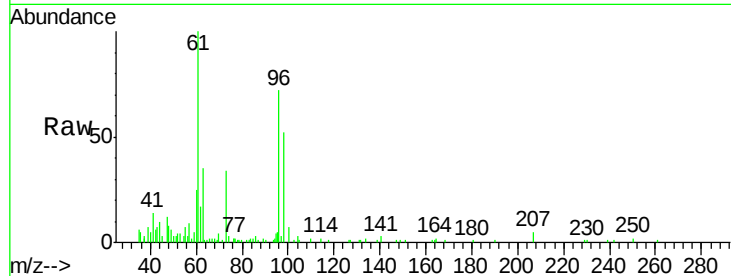
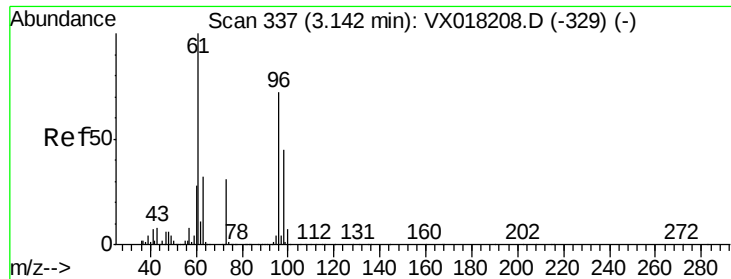
MMDadoda
9/3/2020 9:54:07 AM



#16
Methylene chloride
Concen: 2.576 ug/L
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX018217.D
Acq: 02 Sep 2020 15:49

Tgt Ion: 84 Resp: 12083
Ion Ratio Lower Upper
84 100
86 55.2 43.6 81.0
49 121.2 84.5 156.9





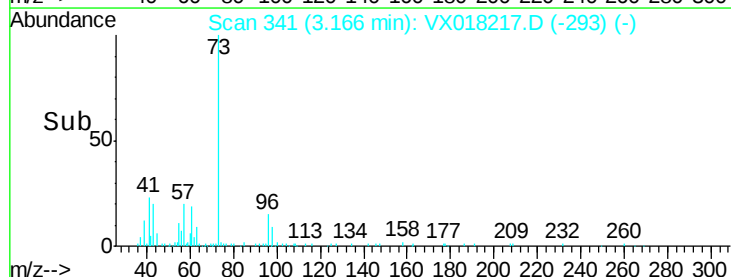
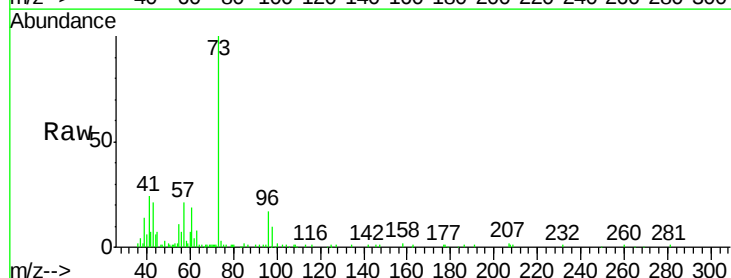
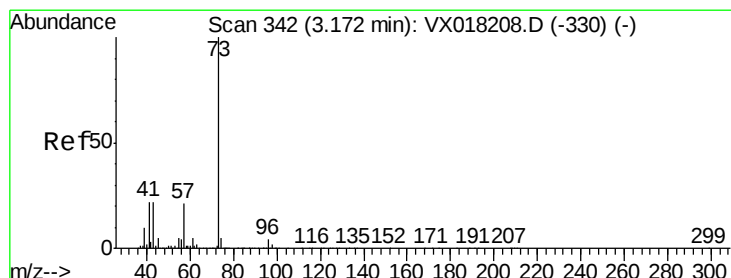
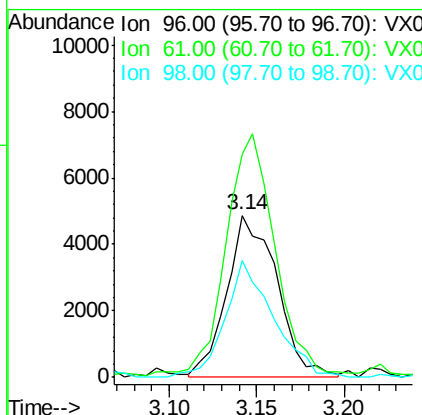
#17
trans-1,2-Dichloroethene
Concen: 2.201 ug/L
RT: 3.14 min Scan# 337
Delta R.T. 0.00 min
Lab File: VX018217.D
Acq: 02 Sep 2020 15:49

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	9762		
61	61	138.0		97.1	180.3
98	98	71.9		43.9	81.5

Instrument :
MSVOA_X
ClientSampleId :
MDL05

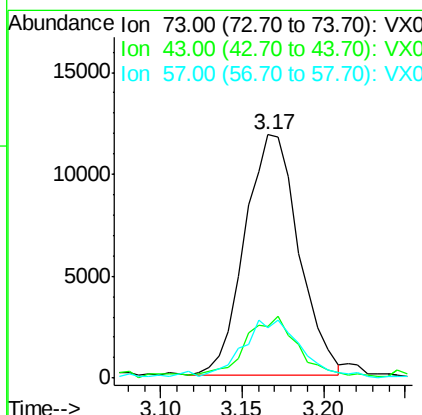
Manual Integrations
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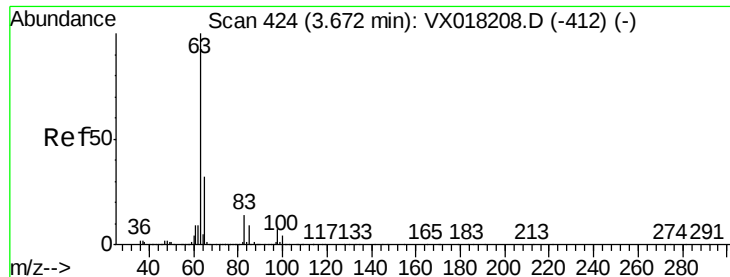
MMDadoda
9/3/2020 9:54:07 AM



#18
Methyl tert-butyl Ether
Concen: 1.968 ug/L
RT: 3.17 min Scan# 341
Delta R.T. -0.01 min
Lab File: VX018217.D
Acq: 02 Sep 2020 15:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
73	73	100	27267		
43	43	23.7		17.4	26.2
57	57	25.9		17.1	25.7#





#19

1,1-Dichloroethane

Concen: 2.134 ug/L

RT: 3.67 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX018217.D

Acq: 02 Sep 2020 15:49

Instrument :

MSVOA_X

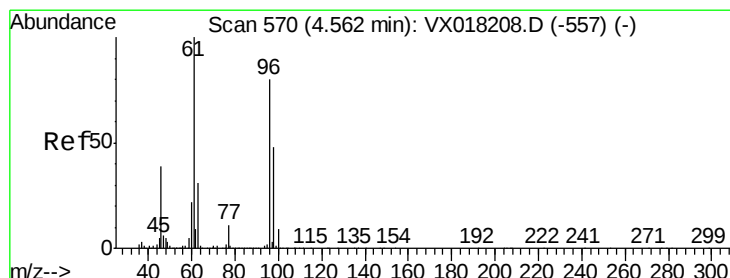
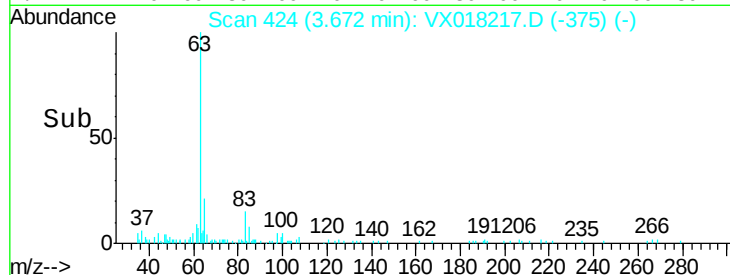
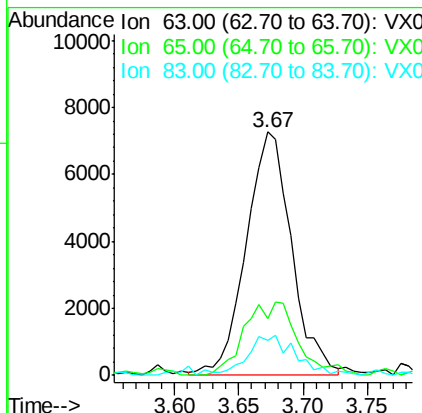
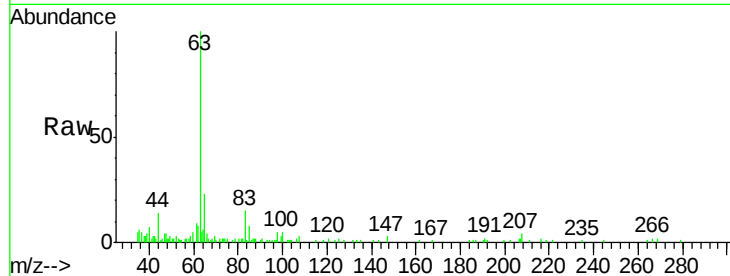
ClientSampled :

MDL05

Tot Ion:	63	Resp:	17742
Ion	Ratio	Lower	Upper
63	100		
65	23.1	22.7	42.3
83	16.0	9.7	18.1

Manual Integrations
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#20

cis-1,2-Dichloroethene

Concen: 2.257 ug/L

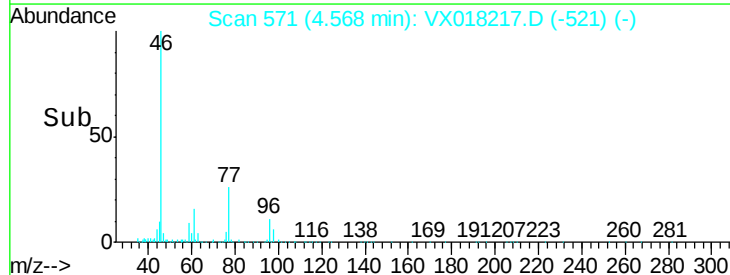
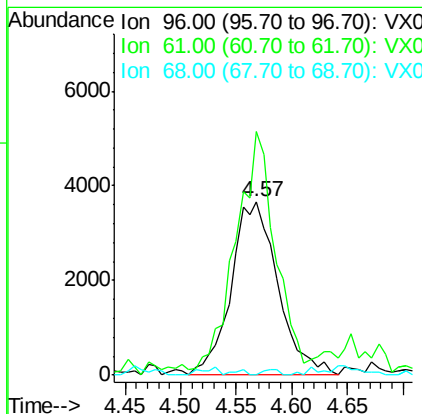
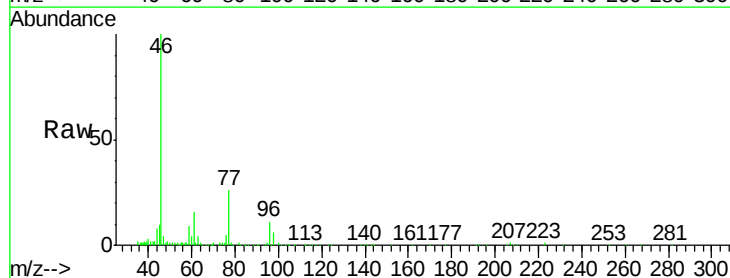
RT: 4.57 min Scan# 571

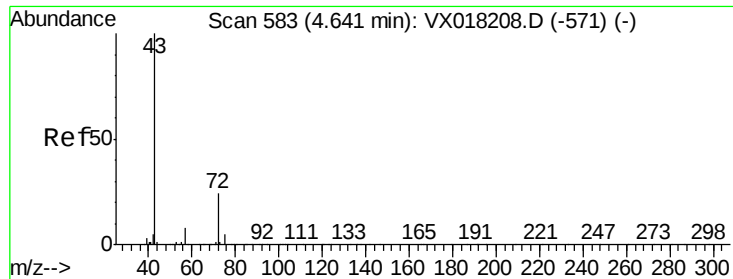
Delta R.T. 0.01 min

Lab File: VX018217.D

Acq: 02 Sep 2020 15:49

Tgt Ion:	96	Resp:	10706
Ion	Ratio	Lower	Upper
96	100		
61	140.2	88.0	163.4
68	0.0	0.1	0.1#





#22

2-Butanone

Concen: 4.474 ug/L m

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX018217.D

Acq: 02 Sep 2020 15:49

Instrument :

MSVOA_X

ClientSampleId :

MDL05

Tot Ion: 43 Resp: 14691

Ion Ratio Lower Upper

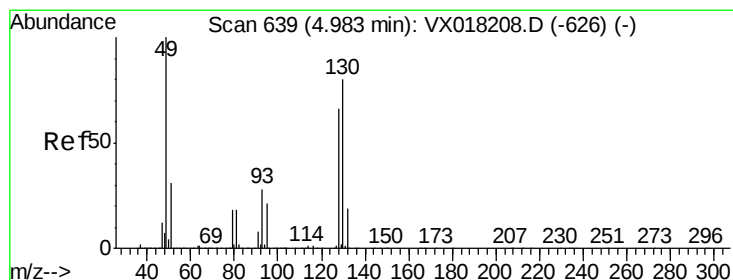
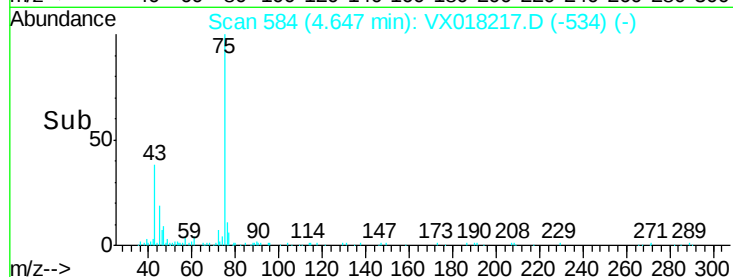
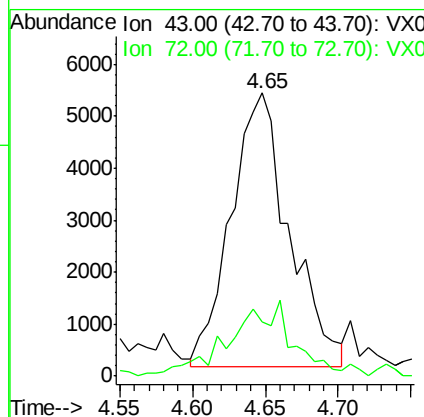
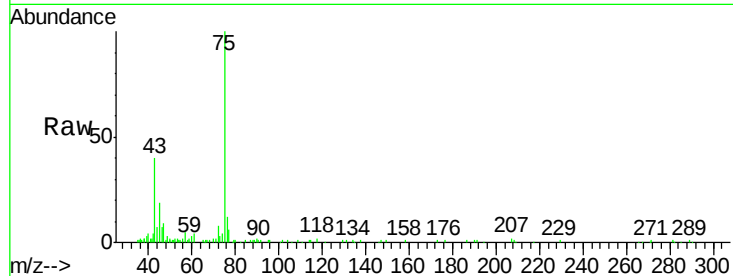
43 100

72 0.9 12.7 38.1#

Manual Integrations
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#23

Bromochloromethane

Concen: 2.320 ug/L m

RT: 4.98 min Scan# 639

Delta R.T. 0.00 min

Lab File: VX018217.D

Acq: 02 Sep 2020 15:49

Tgt Ion: 128 Resp: 6158

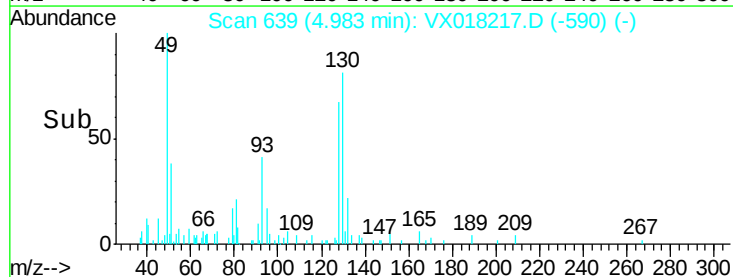
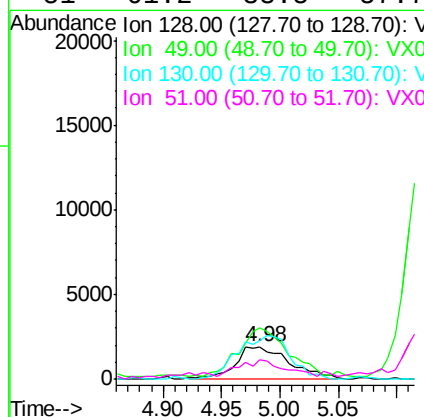
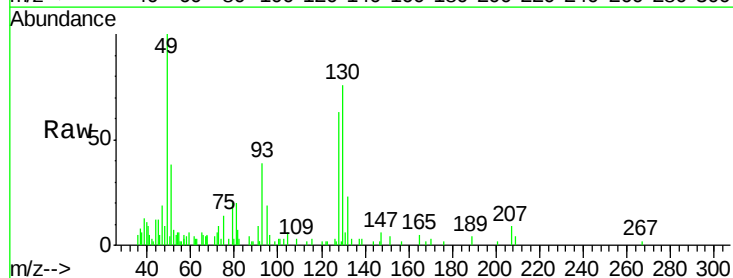
Ion Ratio Lower Upper

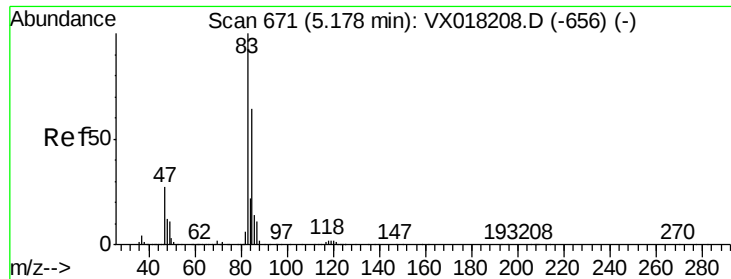
128 100

49 159.0 106.8 198.4

130 120.2 85.3 158.5

51 61.2 38.5 57.7#





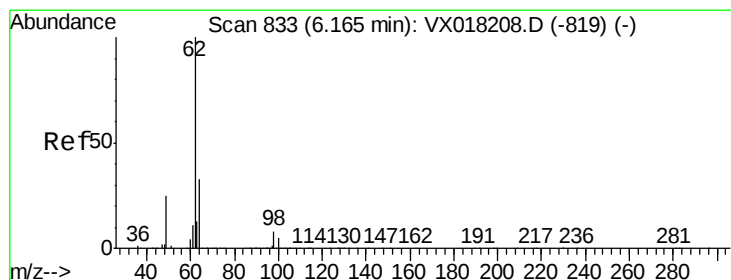
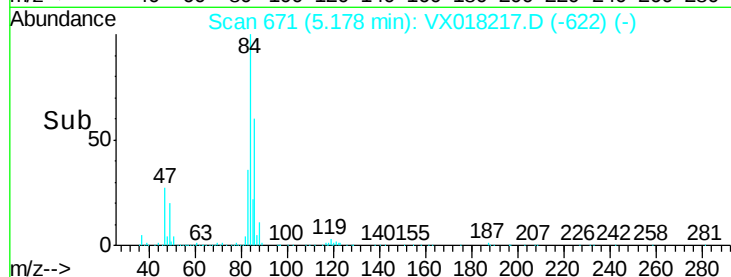
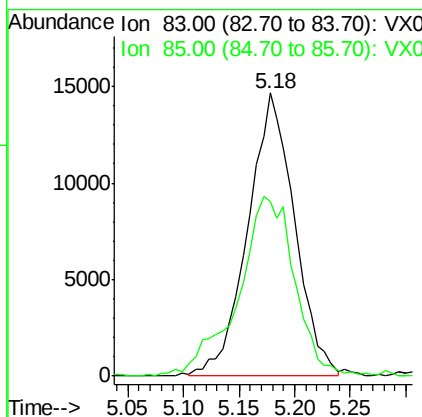
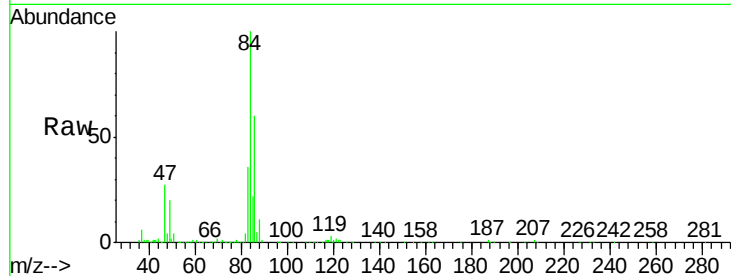
#25
Chloroform
Concen: 4.507 ug/L
RT: 5.18 min Scan# 671
Delta R.T. 0.00 min
Lab File: VX018217.D
Acq: 02 Sep 2020 15:49

Instrument :
MSVOA_X
ClientSampleId :
MDL05

Tot Ion	Ratio	Lower	Upper
83	100		
85	61.6	44.7	83.1

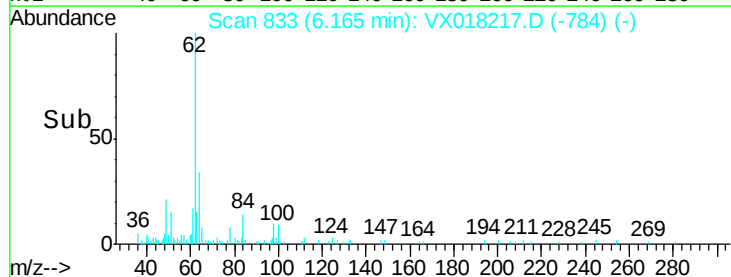
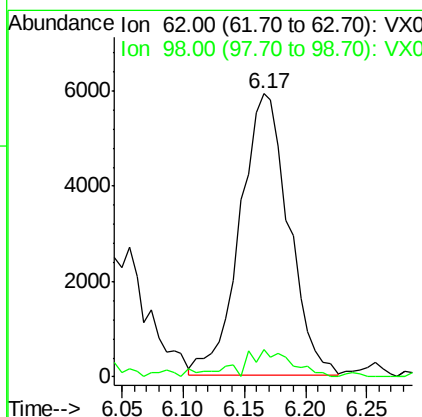
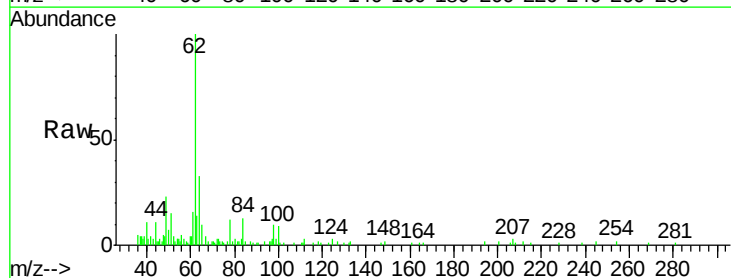
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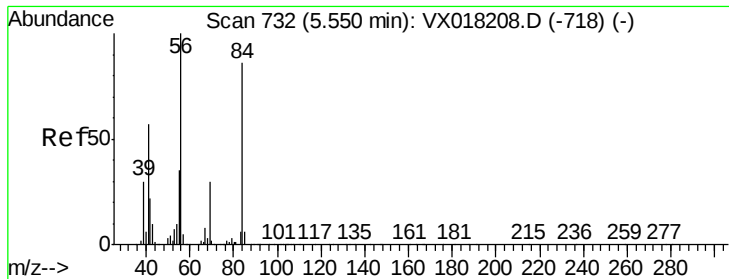
MMDadoda
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#27
1,2-Dichloroethane
Concen: 2.265 ug/L
RT: 6.17 min Scan# 833
Delta R.T. 0.00 min
Lab File: VX018217.D
Acq: 02 Sep 2020 15:49

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.6	6.6	9.8





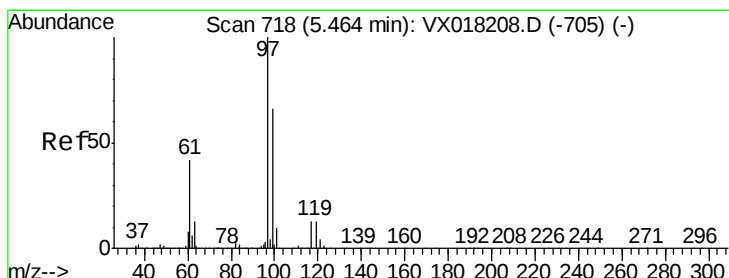
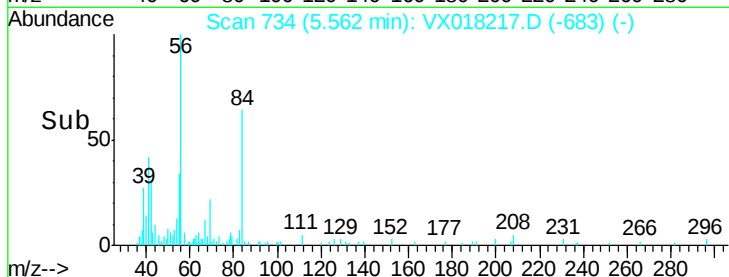
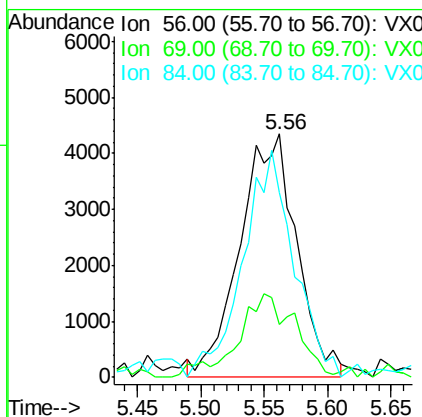
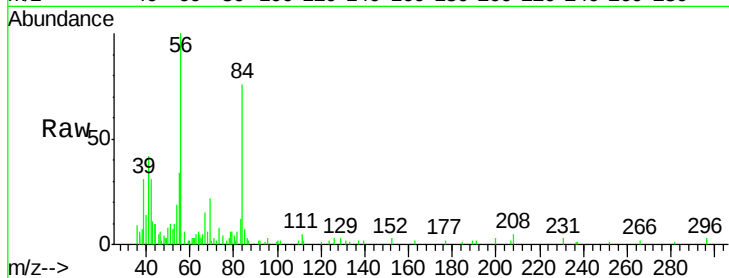
#29
Cyclohexane
Concen: 2.084 ug/L m
RT: 5.56 min Scan# 734
Delta R.T. 0.01 min
Lab File: VX018217.D
Acq: 02 Sep 2020 15:49

Instrument :
MSVOA_X
ClientSampleId :
MDL05

Tot Ion	Ratio	Lower	Upper
56	100		
69	0.4	25.4	38.2#
84	1.2	69.8	104.8#

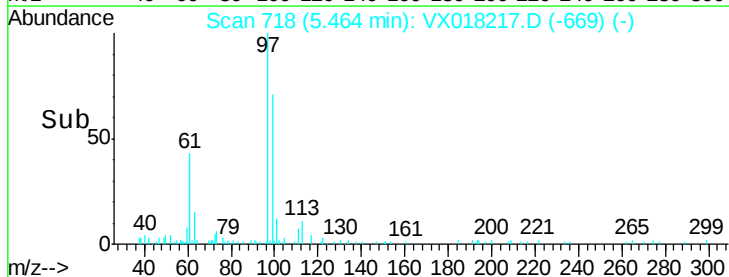
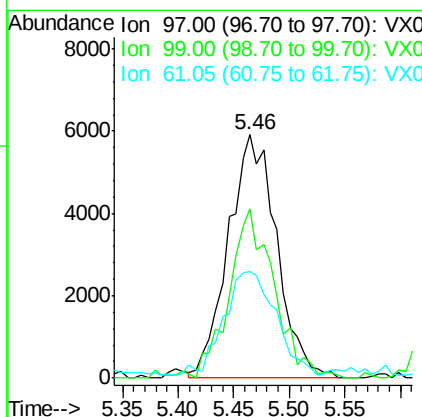
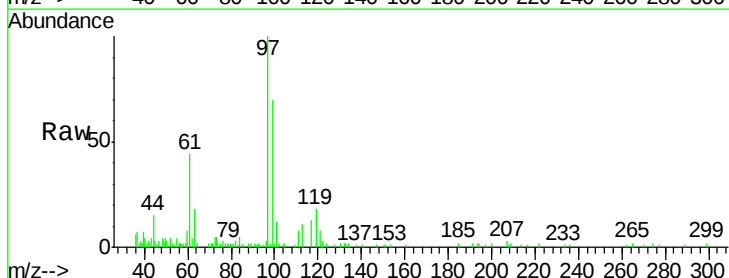
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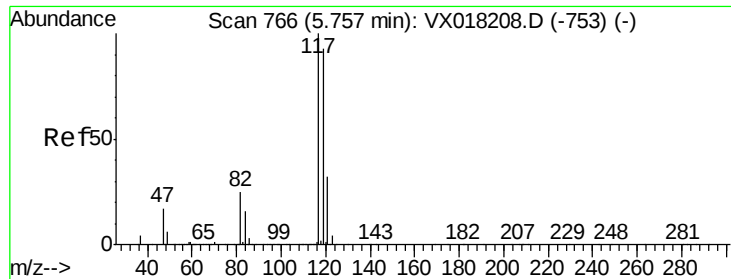
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#30
1,1,1-Trichloroethane
Concen: 2.203 ug/L
RT: 5.46 min Scan# 718
Delta R.T. 0.00 min
Lab File: VX018217.D
Acq: 02 Sep 2020 15:49

Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.5	51.7	77.5
61	47.1	33.8	50.6





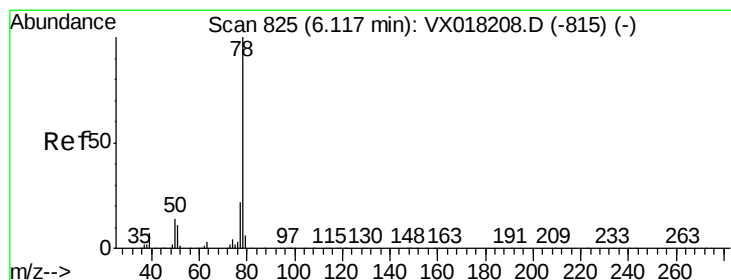
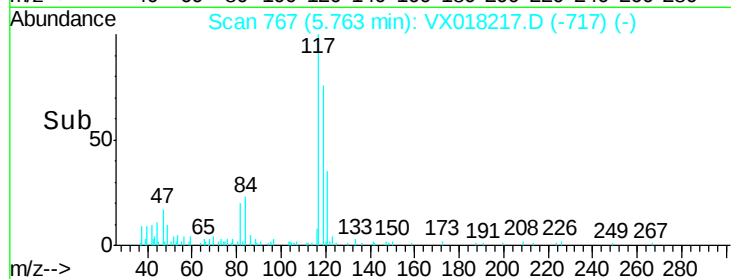
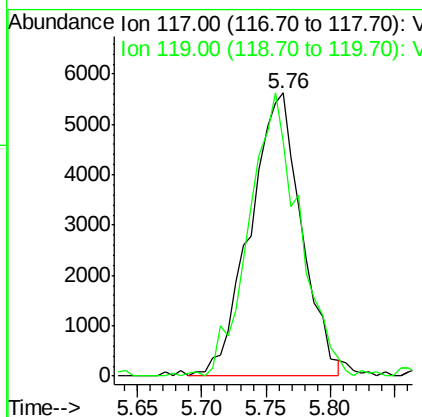
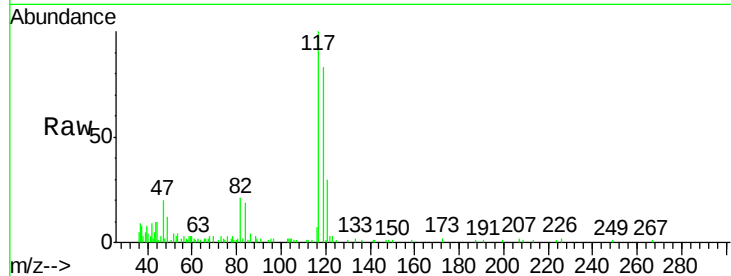
#31
Carbon tetrachloride
Concen: 2.105 ug/L
RT: 5.76 min Scan# 767
Delta R.T. 0.01 min
Lab File: VX018217.D
Acq: 02 Sep 2020 15:49

Instrument :
MSVOA_X
ClientSampleId :
MDL05

Tot Ion	Ratio	Lower	Upper
117	100		
119	97.1	76.8	115.2

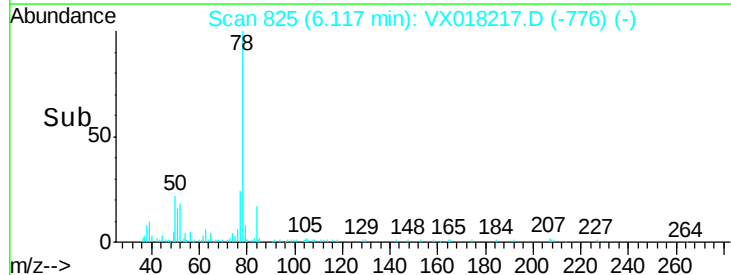
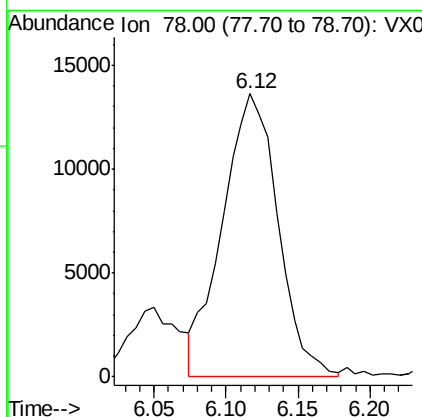
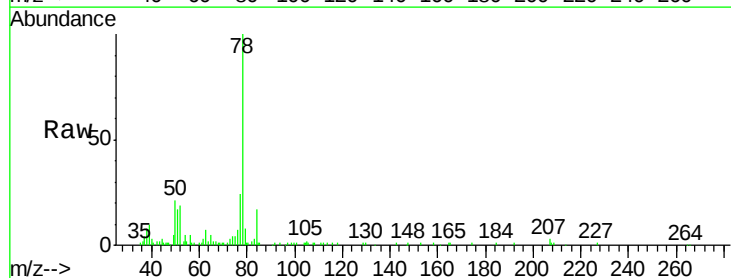
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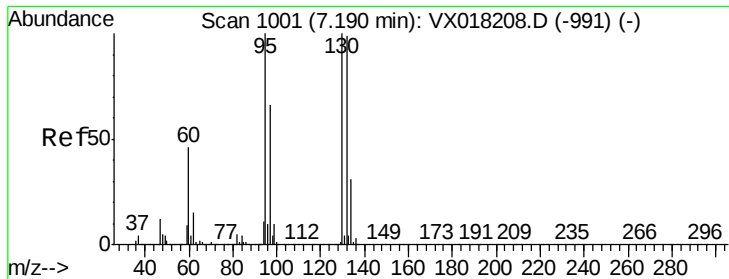
MMDadoda
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#33
Benzene
Concen: 2.130 ug/L
RT: 6.12 min Scan# 825
Delta R.T. 0.00 min
Lab File: VX018217.D
Acq: 02 Sep 2020 15:49

Tgt Ion: 78 Resp: 36471





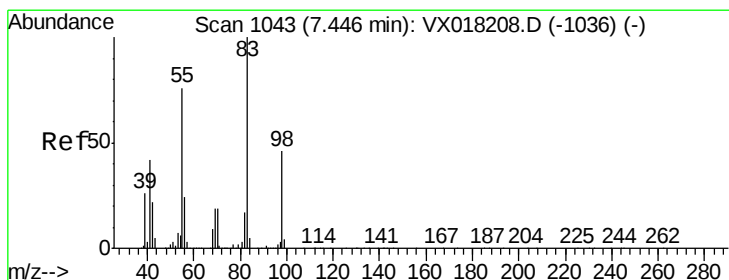
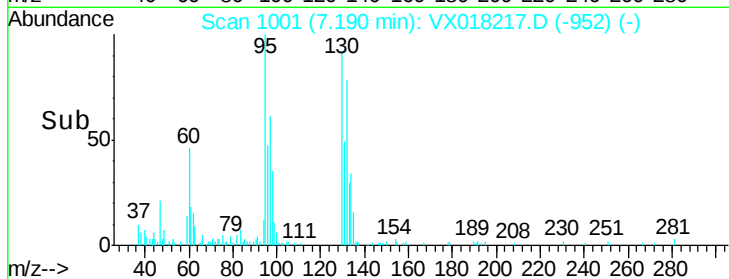
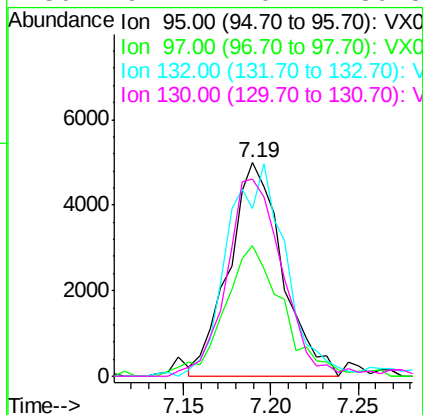
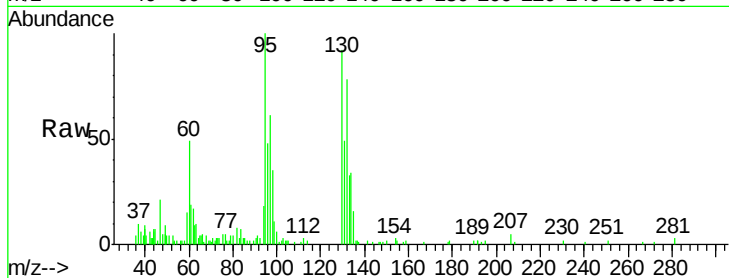
#34
 Trichloroethene
 Concen: 2.207 ug/L
 RT: 7.19 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VX018217.D
 Acq: 02 Sep 2020 15:49

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL05

Tot Ion	95	Resp	10607
Ion	Ratio	Lower	Upper
95	100		
97	60.9	46.2	85.8
132	78.3	69.2	128.4
130	92.1	70.1	130.3

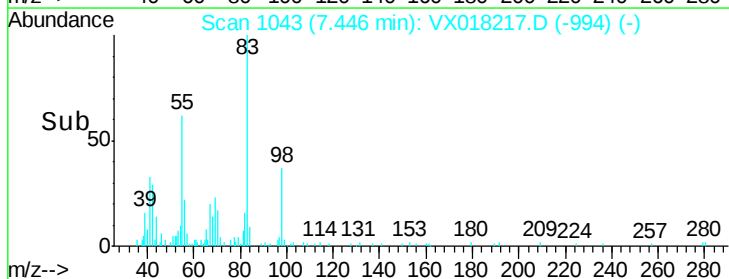
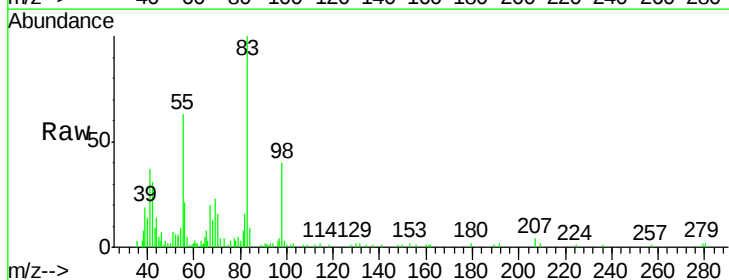
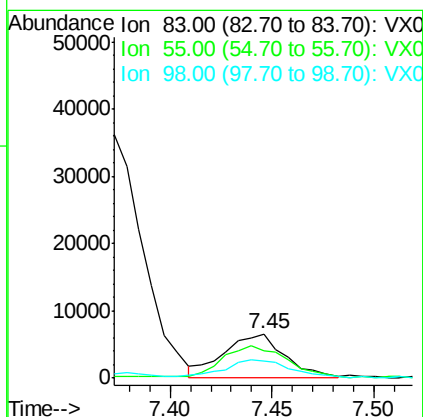
Manual Integrations
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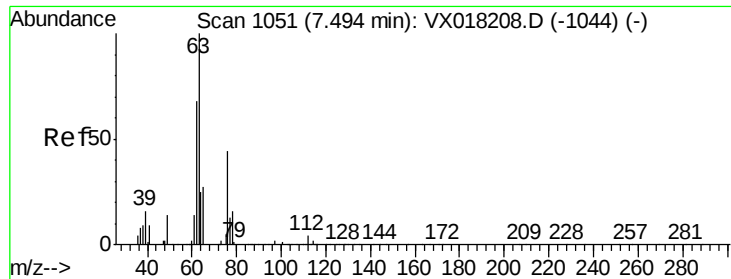
MMDadoda
 9/3/2020 9:54:07 AM



#35
 Methylcyclohexane
 Concen: 2.050 ug/L
 RT: 7.45 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX018217.D
 Acq: 02 Sep 2020 15:49

Tgt Ion	83	Resp	13698
Ion	Ratio	Lower	Upper
83	100		
55	77.6	62.6	94.0
98	45.6	37.1	55.7





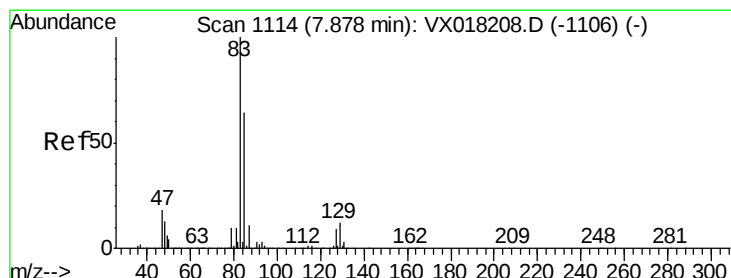
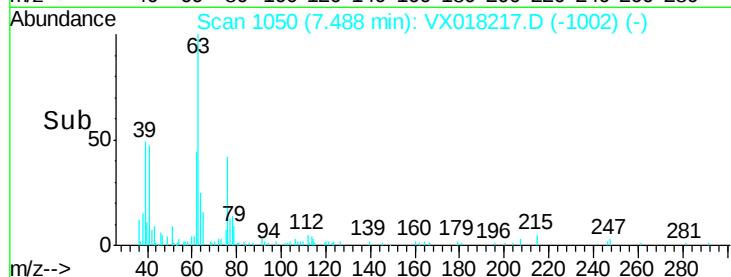
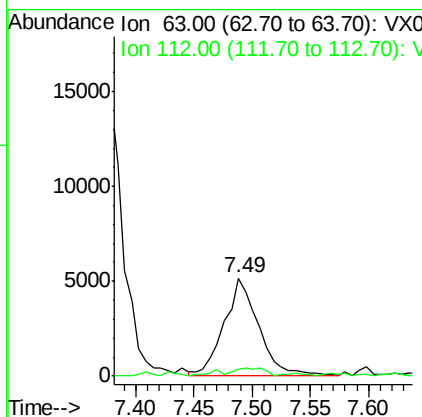
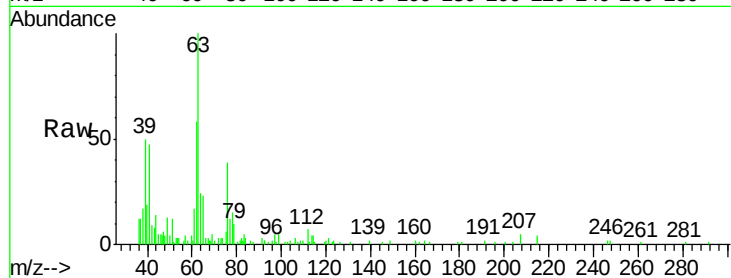
#37
 1,2-Dichloropropane
 Concen: 2.362 ug/L
 RT: 7.49 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VX018217.D
 Acq: 02 Sep 2020 15:49

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL05

Tot Ion	Ratio	Lower	Upper
63	100		
112	4.6	3.6	5.4

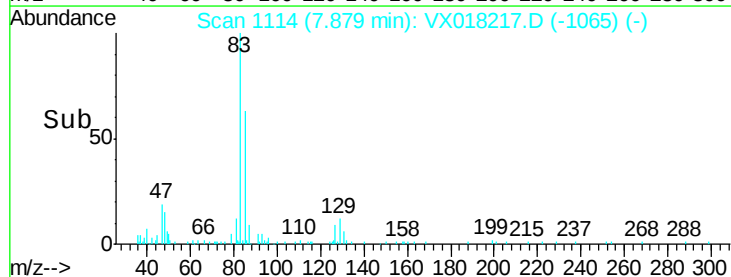
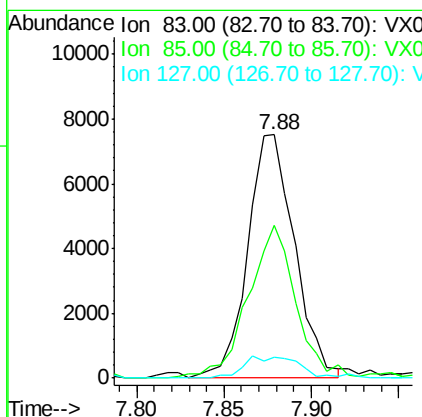
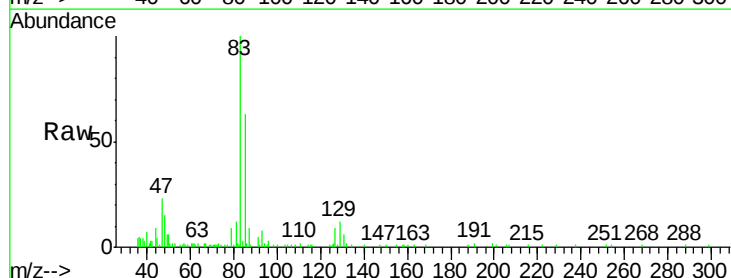
Manual Integrations
 APPROVED

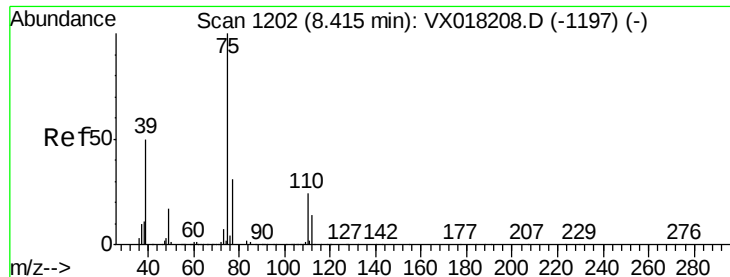
MMDadoda
 9/3/2020 9:54:07 AM



#38
 Bromodichloromethane
 Concen: 2.174 ug/L
 RT: 7.88 min Scan# 1114
 Delta R.T. 0.00 min
 Lab File: VX018217.D
 Acq: 02 Sep 2020 15:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.8	44.5	82.7
127	8.8	7.4	11.2





#39

cis-1,3-Dichloropropene

Concen: 2.061 ug/L

RT: 8.42 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VX018217.D

Acq: 02 Sep 2020 15:49

Instrument :

MSVOA_X

ClientSampleId :

MDL05

Tot Ion: 75 Resp: 14572

Ion Ratio Lower Upper

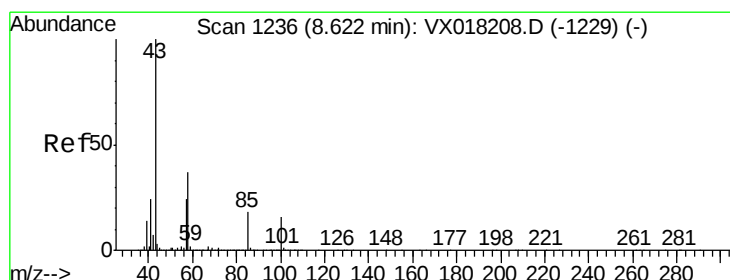
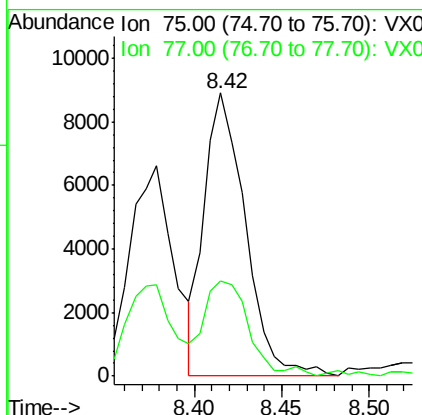
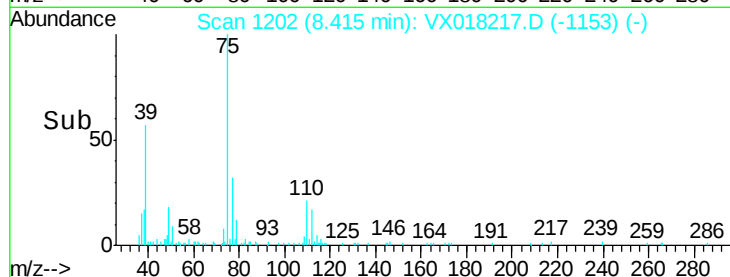
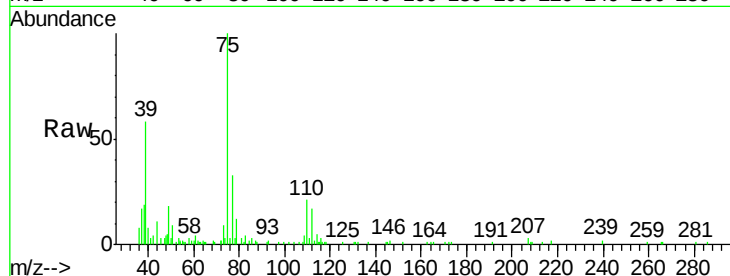
75 100

77 33.5 21.7 40.3

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#40

4-Methyl-2-pentanone

Concen: 4.039 ug/L

RT: 8.62 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VX018217.D

Acq: 02 Sep 2020 15:49

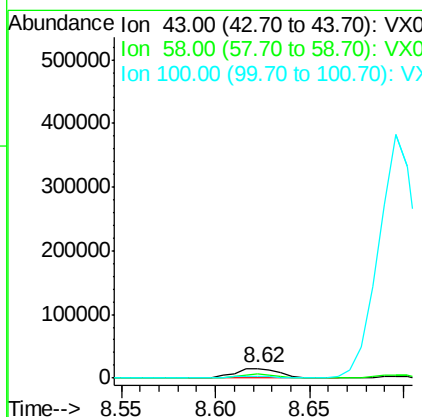
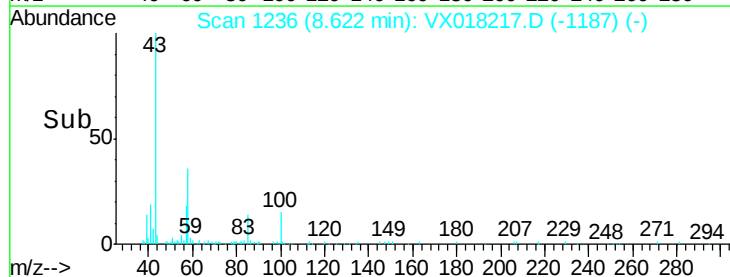
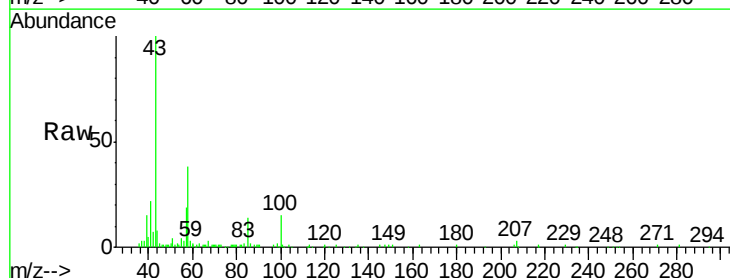
Tgt Ion: 43 Resp: 24833

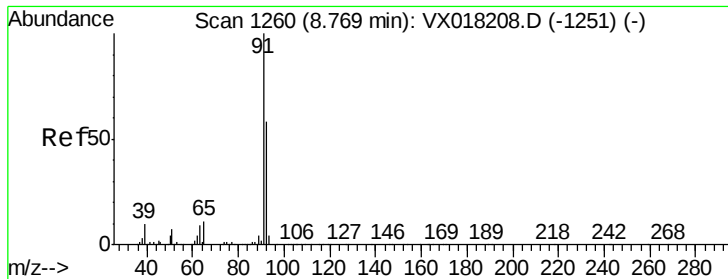
Ion Ratio Lower Upper

43 100

58 38.7 30.3 45.5

100 16.2 11.9 17.9





#42

Toluene

Concen: 2.100 ug/L

RT: 8.76 min Scan# 1259

Delta R.T. -0.01 min

Lab File: VX018217.D

Acq: 02 Sep 2020 15:49

Instrument :

MSVOA_X

ClientSampled :

MDL05

Tot Ion: 91 Resp: 38593

Ion Ratio Lower Upper

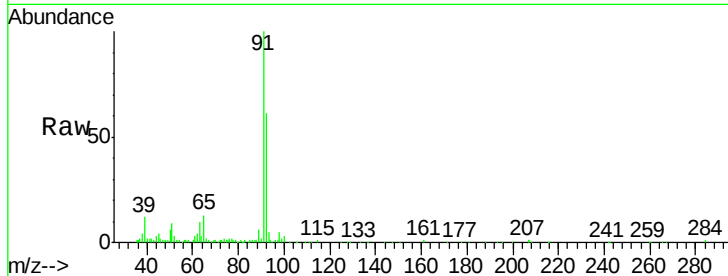
91 100

92 61.2 40.9 75.9

Manual Integrations
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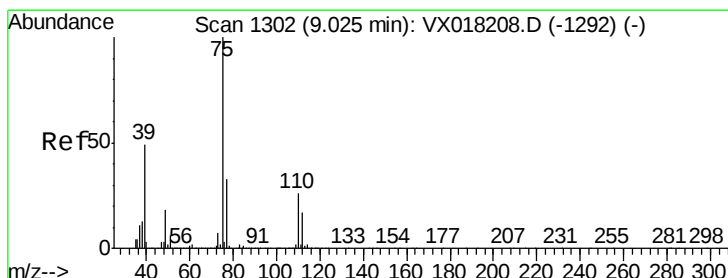
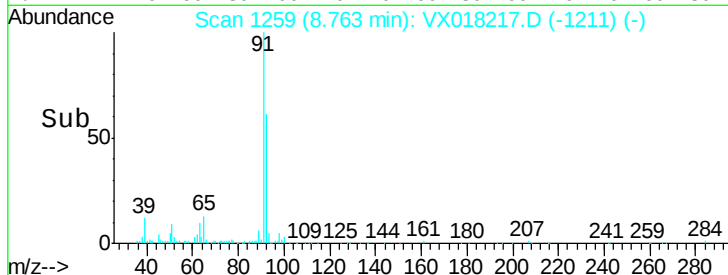
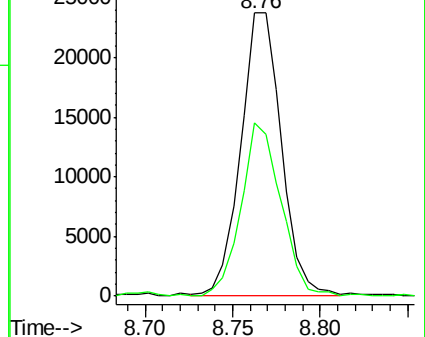
MMDadoda

9/3/2020 9:54:07 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0



#44

trans-1,3-Dichloropropene

Concen: 2.007 ug/L

RT: 9.02 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VX018217.D

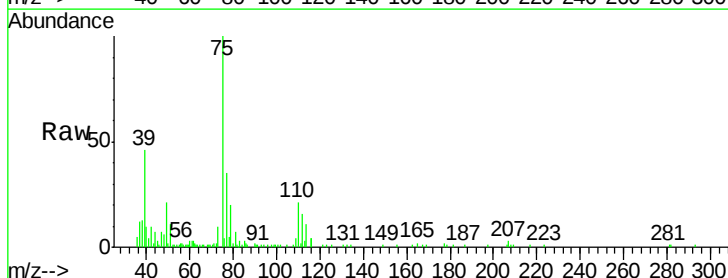
Acq: 02 Sep 2020 15:49

Tgt Ion: 75 Resp: 14925

Ion Ratio Lower Upper

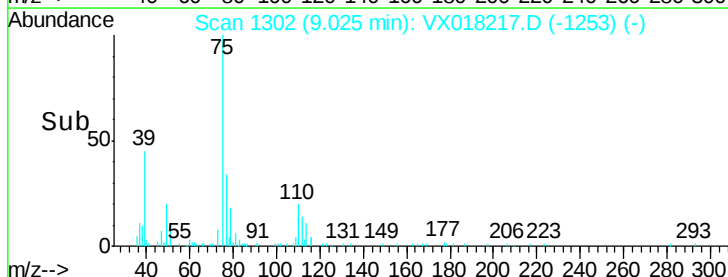
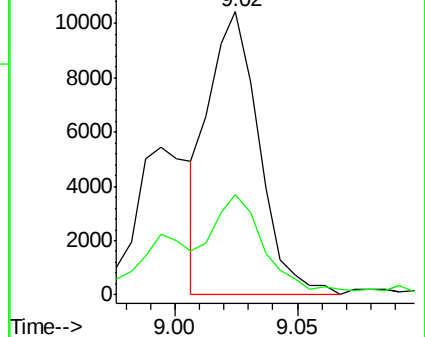
75 100

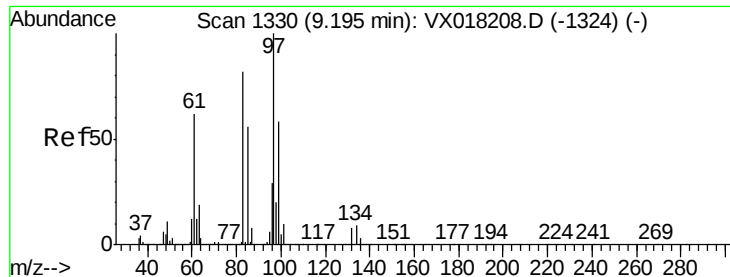
77 35.4 23.2 43.0



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





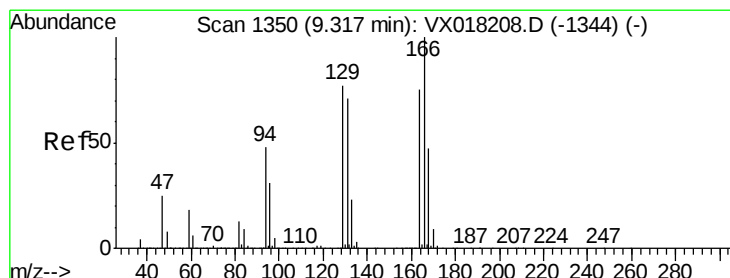
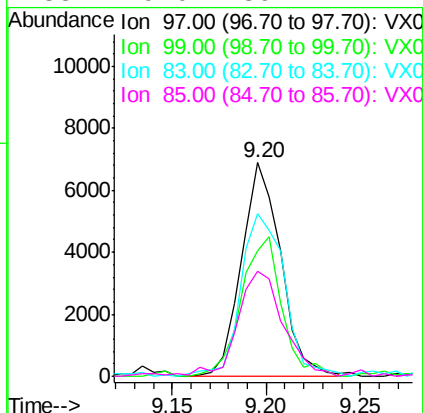
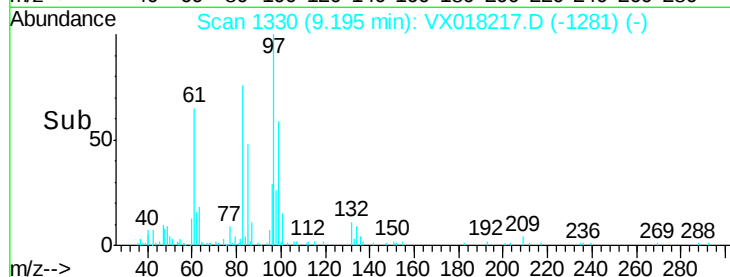
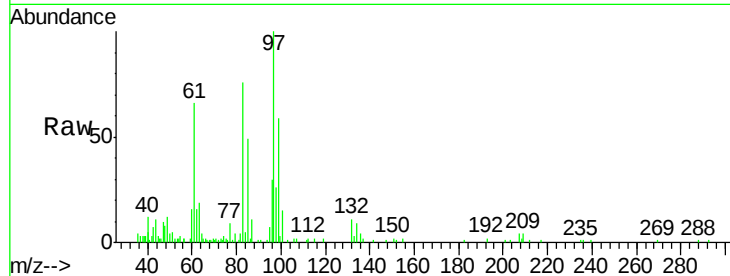
#45
1,1,2-Trichloroethane
Concen: 2.184 ug/L
RT: 9.20 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VX018217.D
Acq: 02 Sep 2020 15:49

Instrument :
MSVOA_X
ClientSampled :
MDL05

Tot Ion:	97	Resp:	9942
Ion	Ratio	Lower	Upper
97	100		
99	58.5	40.3	74.9
83	76.0	57.7	107.1
85	49.0	39.1	72.7

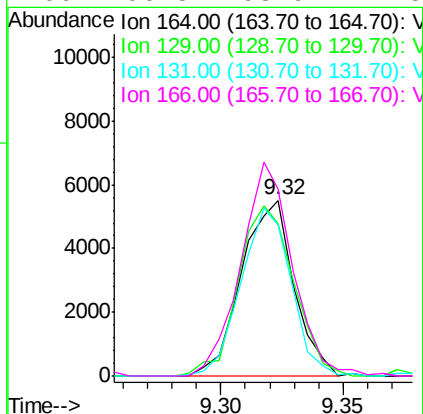
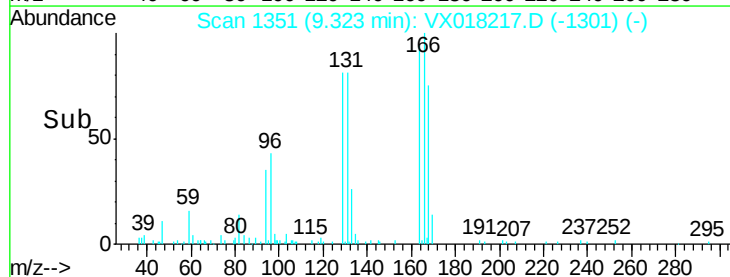
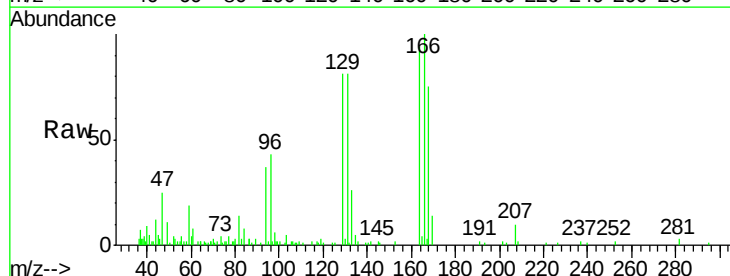
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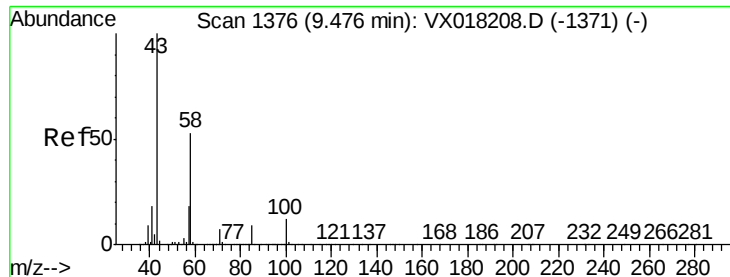
MMDadoda
9/3/2020 9:54:07 AM



#46
Tetrachloroethene
Concen: 2.151 ug/L
RT: 9.32 min Scan# 1351
Delta R.T. 0.01 min
Lab File: VX018217.D
Acq: 02 Sep 2020 15:49

Tgt Ion:	164	Resp:	8242
Ion	Ratio	Lower	Upper
164	100		
129	86.8	72.0	133.6
131	86.1	66.8	124.2
166	106.8	93.9	174.5





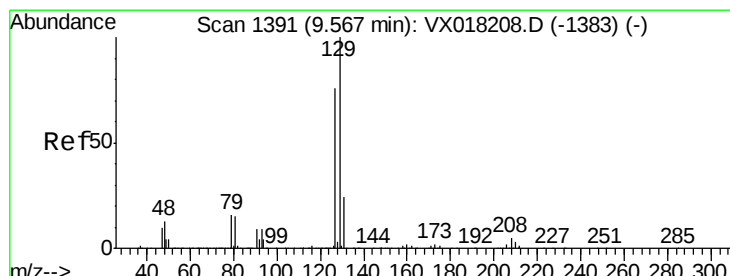
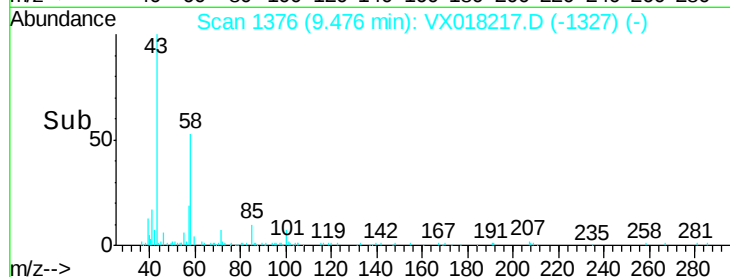
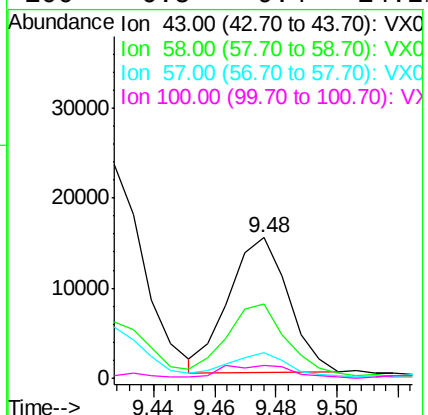
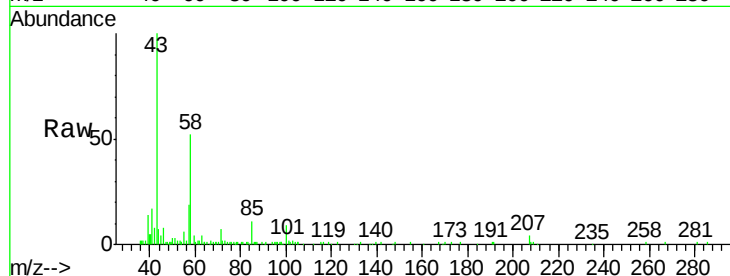
#48
2-Hexanone
Concen: 4.058 ug/L
RT: 9.48 min Scan# 1376
Delta R.T. 0.00 min
Lab File: VX018217.D
Acq: 02 Sep 2020 15:49

Instrument :
MSVOA_X
ClientSampled :
MDL05

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.8	41.8	62.8
57	19.9	15.2	22.8
100	6.5	9.4	14.2

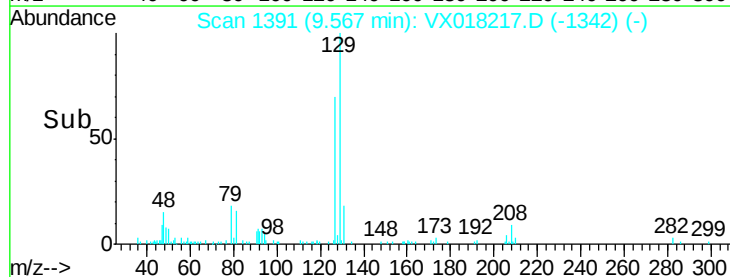
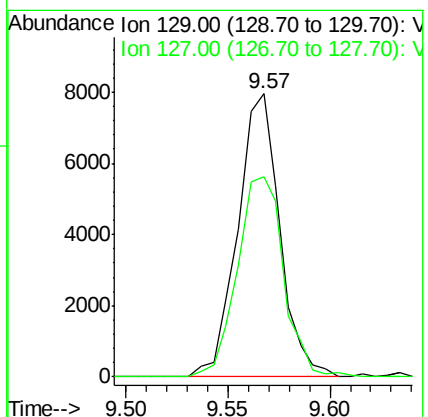
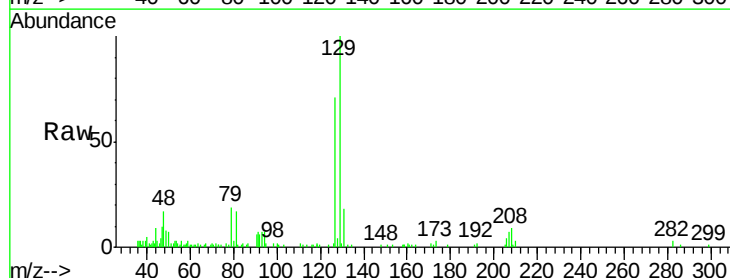
Manual Integrations
APPROVED

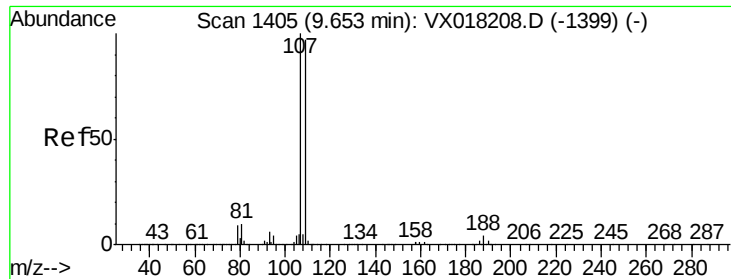
MMDadoda
9/3/2020 9:54:07 AM



#49
Dibromochloromethane
Concen: 2.046 ug/L
RT: 9.57 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VX018217.D
Acq: 02 Sep 2020 15:49

Tgt Ion	Ratio	Lower	Upper
129	100		
127	70.7	53.1	98.5





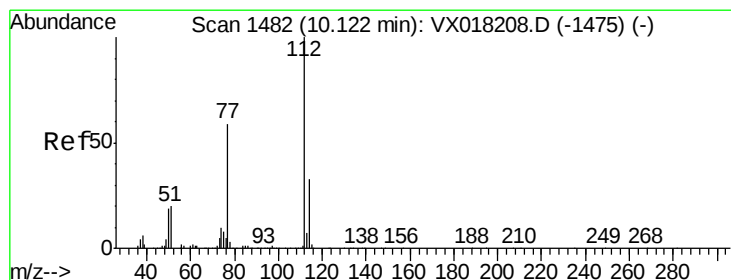
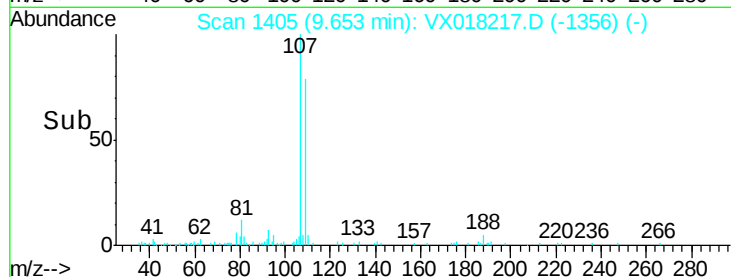
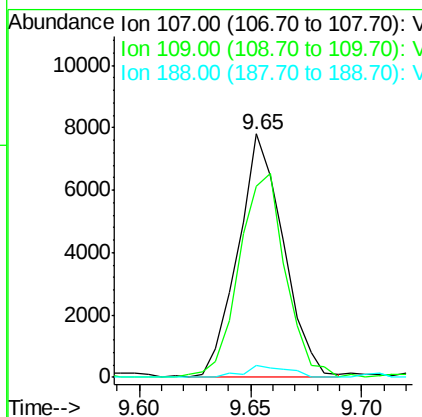
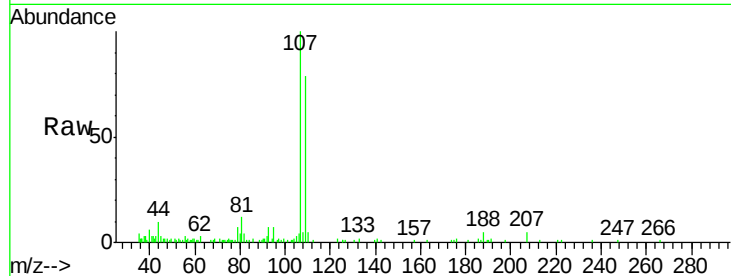
#50
1,2-Dibromoethane
Concen: 2.299 ug/L
RT: 9.65 min Scan# 1405
Delta R.T. 0.00 min
Lab File: VX018217.D
Acq: 02 Sep 2020 15:49

Instrument :
MSVOA_X
ClientSampleId :
MDL05

Tot Ion	Ratio	Lower	Upper
107	100		
109	78.7	68.0	126.2
188	4.9	2.8	4.2#

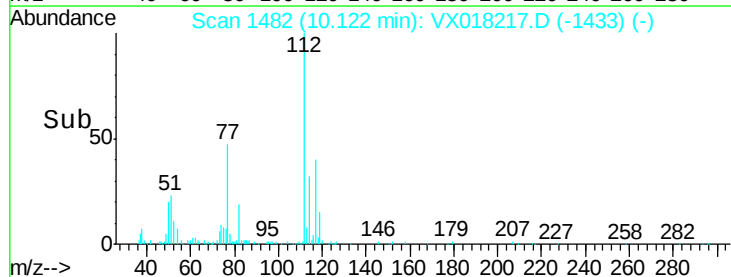
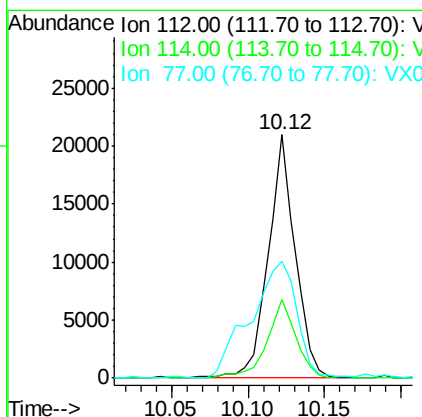
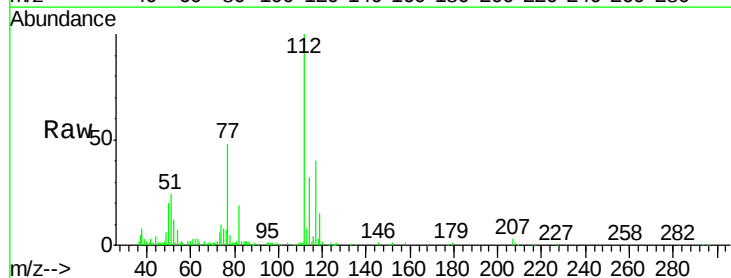
Manual Integrations
APPROVED

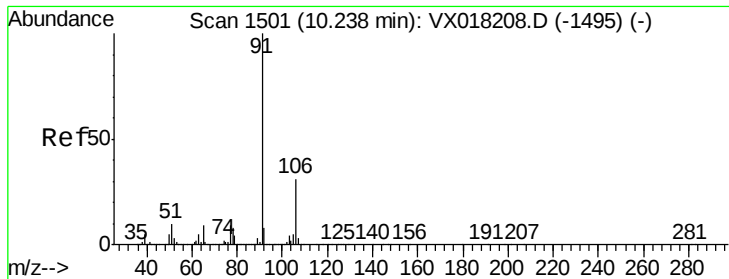
MMDadoda
9/3/2020 9:54:07 AM



#51
Chlorobenzene
Concen: 2.073 ug/L
RT: 10.12 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VX018217.D
Acq: 02 Sep 2020 15:49

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.1	23.2	43.2
77	47.8	47.0	70.6





#52

Ethylbenzene

Concen: 1.897 ug/L

RT: 10.23 min Scan# 1500

Delta R.T. -0.01 min

Lab File: VX018217.D

Acq: 02 Sep 2020 15:49

Instrument :

MSVOA_X

ClientSampleId :

MDL05

Tot Ion: 91 Resp: 38858

Ion Ratio Lower Upper

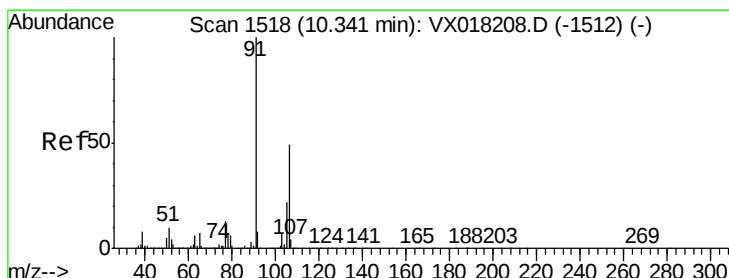
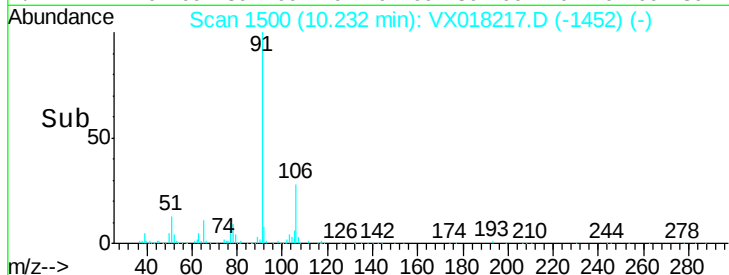
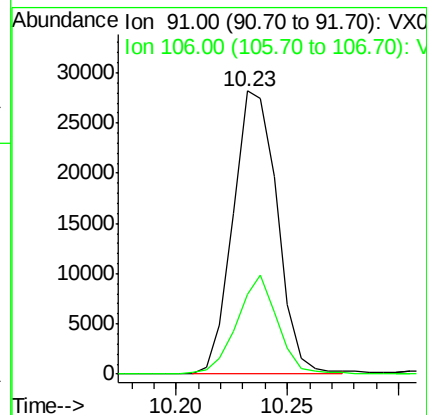
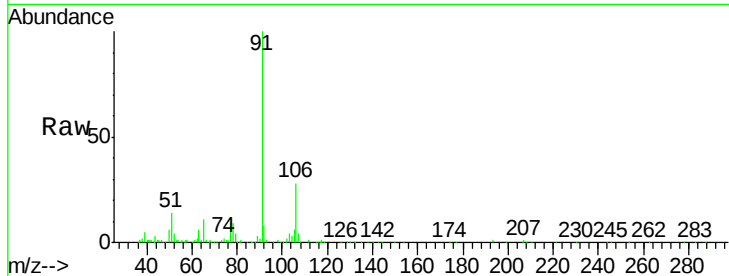
91 100

106 28.4 21.9 40.7

Manual Integrations
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MMDadoda

9/3/2020 9:54:07 AM



#53

m,p-Xylene

Concen: 1.780 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX018217.D

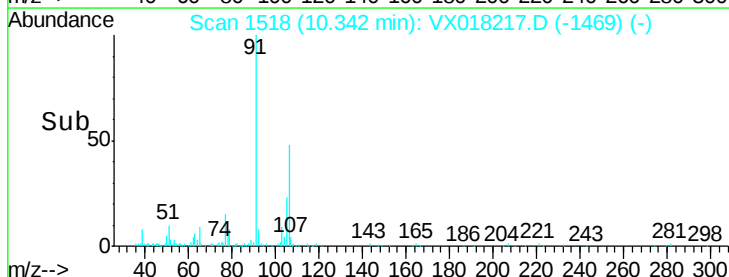
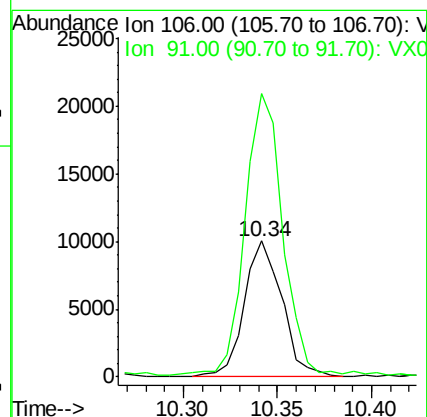
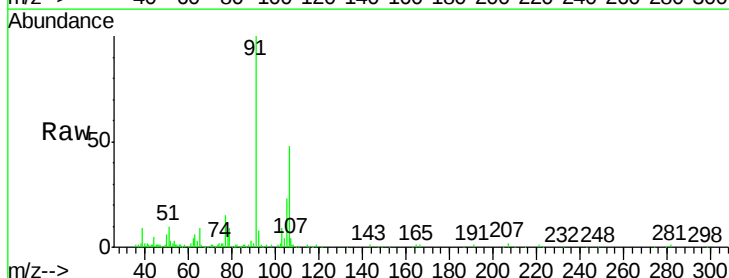
Acq: 02 Sep 2020 15:49

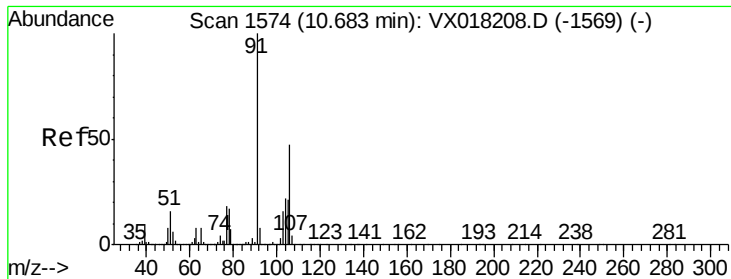
Tgt Ion: 106 Resp: 13931

Ion Ratio Lower Upper

106 100

91 208.5 142.2 264.2





#54

o-xylene

Concen: 1.890 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VX018217.D

Acq: 02 Sep 2020 15:49

Instrument :

MSVOA_X

ClientSampled :

MDL05

Tot Ion:106 Resp: 14119

Ion Ratio Lower Upper

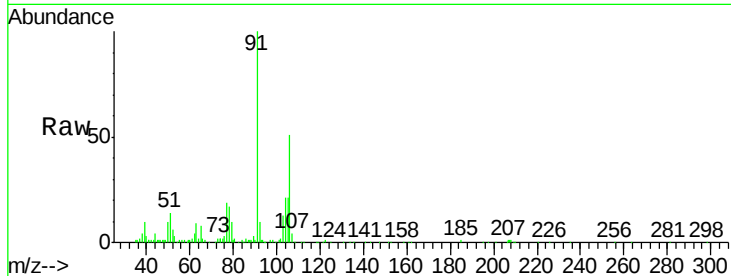
106 100

91 197.8 150.3 279.1

Manual Integrations
APPROVED

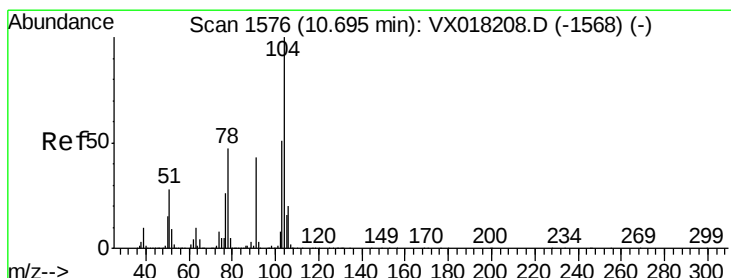
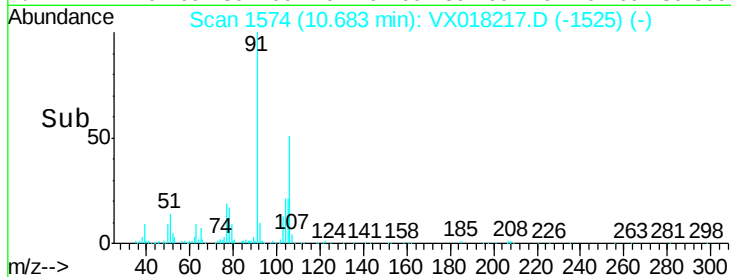
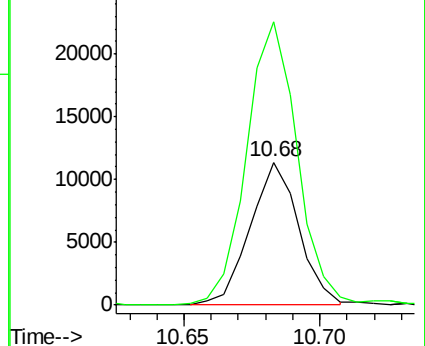
MMDadoda

9/3/2020 9:54:07 AM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#55

Styrene

Concen: 1.798 ug/L

RT: 10.70 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VX018217.D

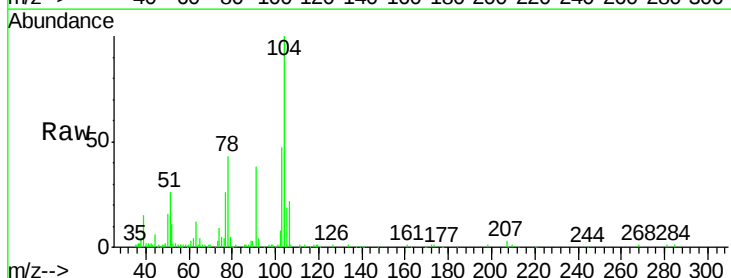
Acq: 02 Sep 2020 15:49

Tgt Ion:104 Resp: 23198

Ion Ratio Lower Upper

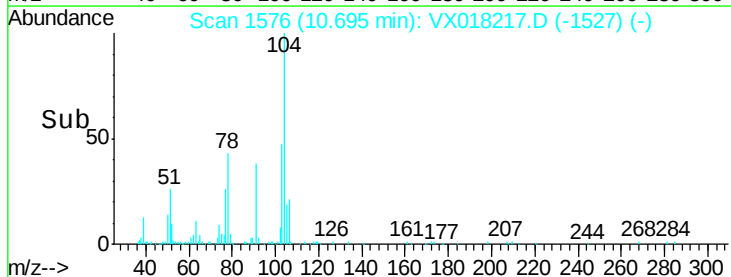
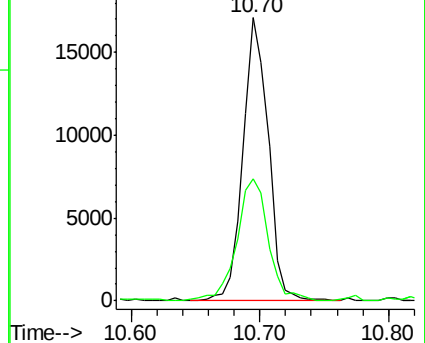
104 100

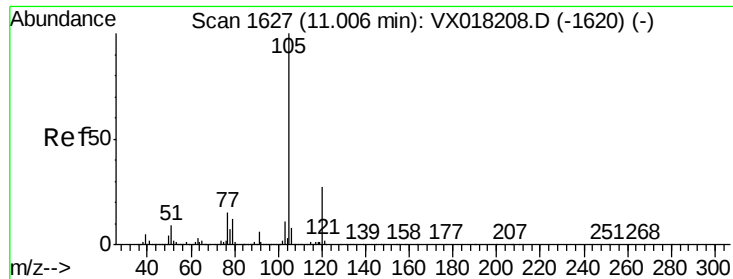
78 43.3 33.1 61.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0





#56

Isopropylbenzene

Concen: 1.771 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. -0.01 min

Lab File: VX018217.D

Acq: 02 Sep 2020 15:49

Instrument :

MSVOA_X

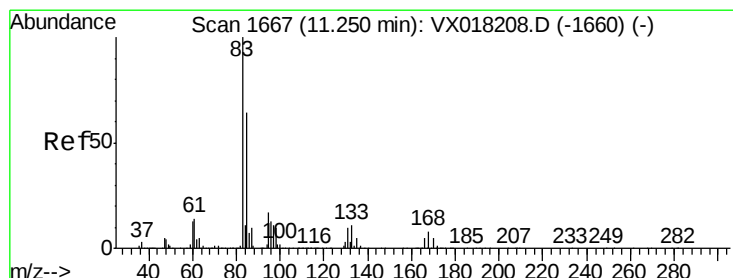
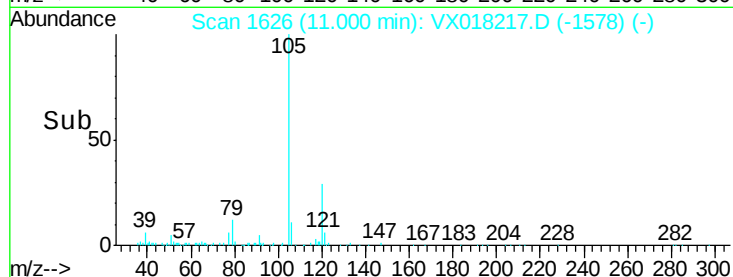
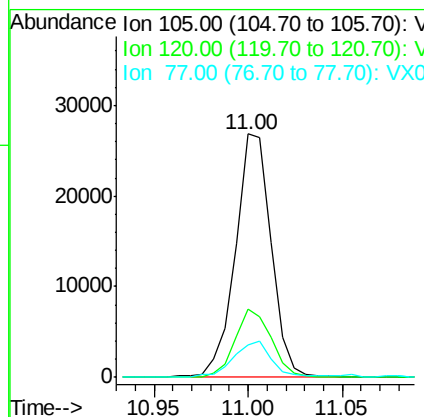
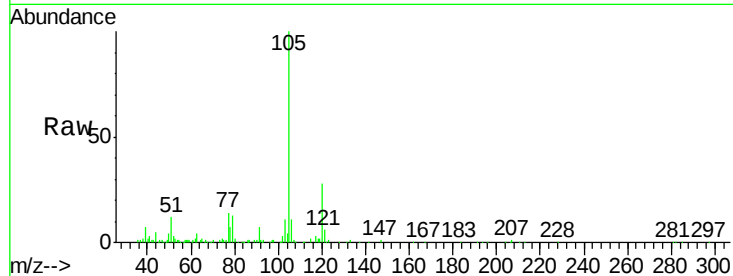
ClientSampleId :

MDL05

Tot Ion:	105	Resp:	35388
Ion Ratio	Lower	Upper	
105	100		
120	28.5	21.3	31.9
77	15.9	12.7	19.1

Manual Integrations
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MMDadoda
9/3/2020 9:54:07 AM



#58

1,1,2,2-Tetrachloroethane

Concen: 2.295 ug/L

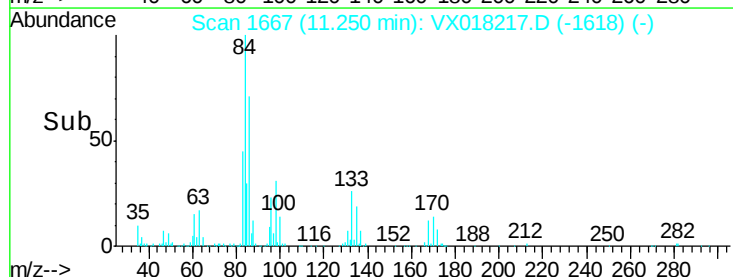
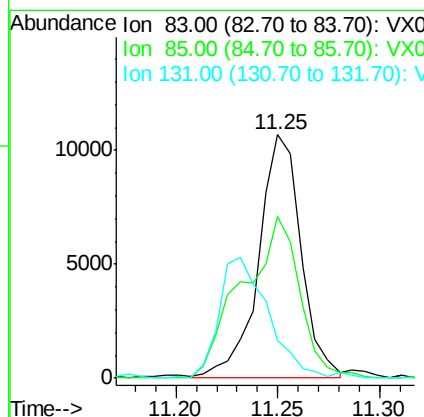
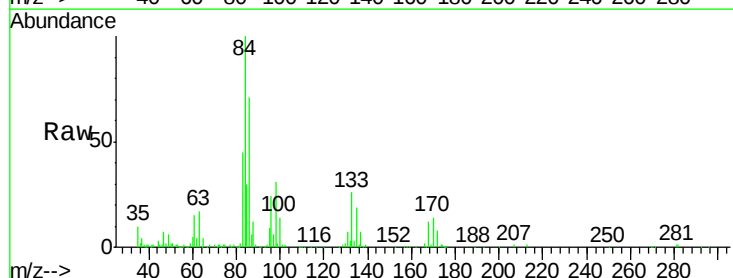
RT: 11.25 min Scan# 1667

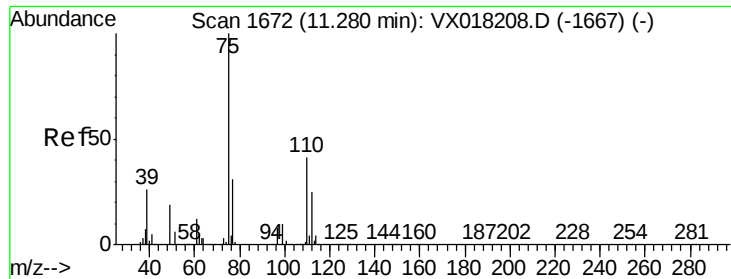
Delta R.T. 0.00 min

Lab File: VX018217.D

Acq: 02 Sep 2020 15:49

Tgt Ion:	83	Resp:	15337
Ion Ratio	Lower	Upper	
83	100		
85	66.2	44.6	82.8
131	15.6	8.0	12.0#





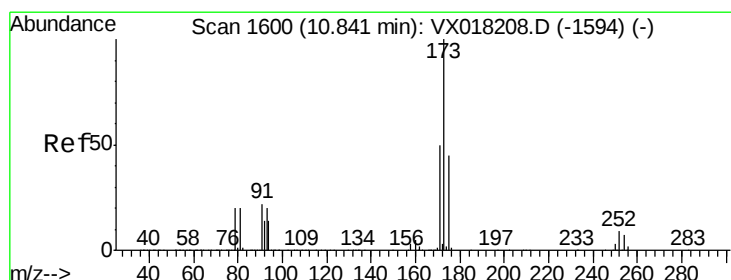
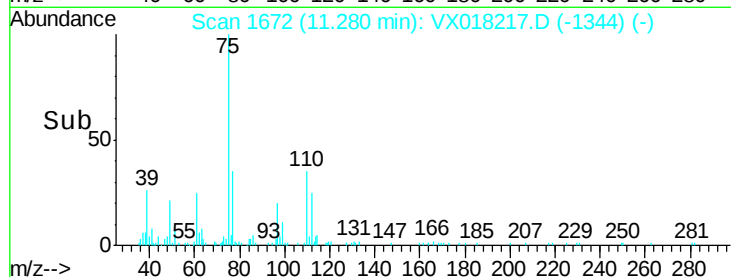
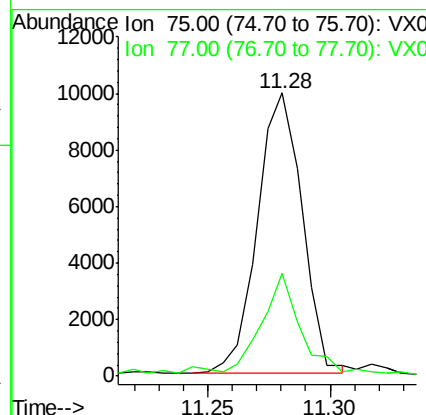
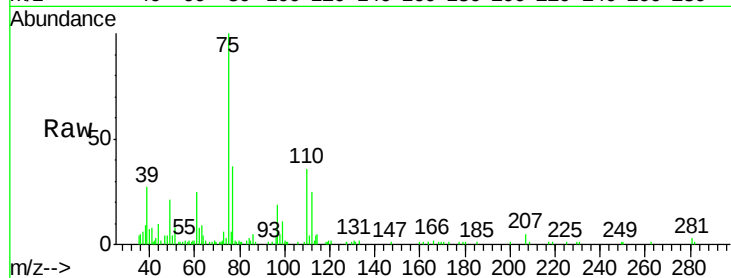
#59
 1,2,3-Trichloropropane
 Concen: 2.180 ug/L
 RT: 11.28 min Scan# 1672
 Delta R.T. 0.00 min
 Lab File: VX018217.D
 Acq: 02 Sep 2020 15:49

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL05

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.8	38.8

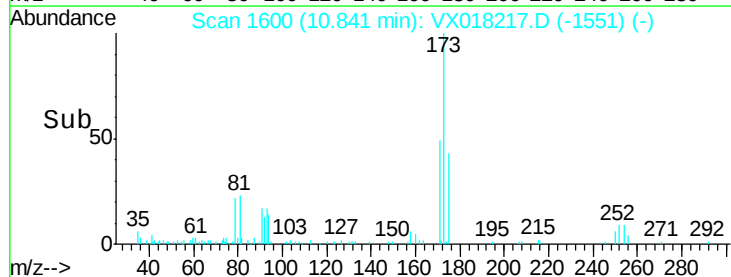
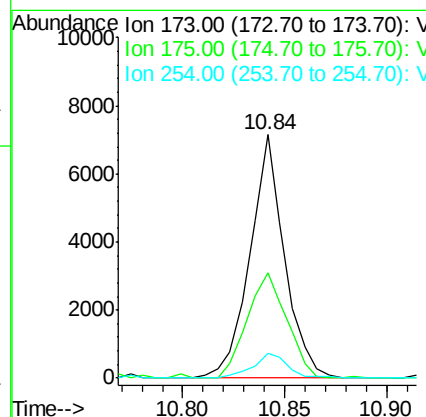
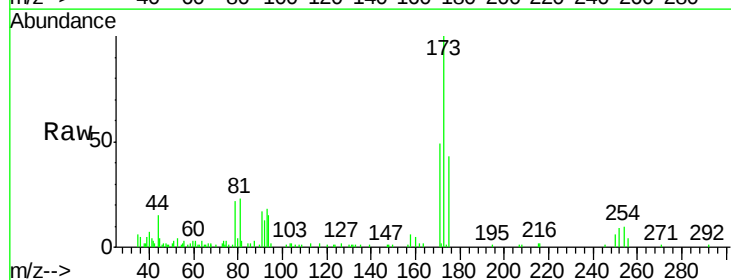
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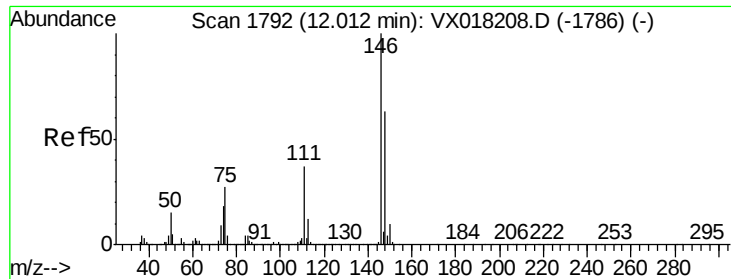
MMDadoda
 9/3/2020 9:54:07 AM



#61
 Bromoform
 Concen: 2.192 ug/L
 RT: 10.84 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VX018217.D
 Acq: 02 Sep 2020 15:49

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.4	37.9	56.9
254	9.7	6.6	10.0





#62

1,3-Dichlorobenzene

Concen: 2.054 ug/L

RT: 12.01 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX018217.D

Acq: 02 Sep 2020 15:49

Instrument :

MSVOA_X

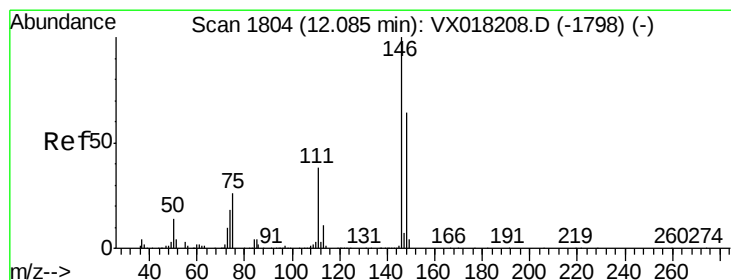
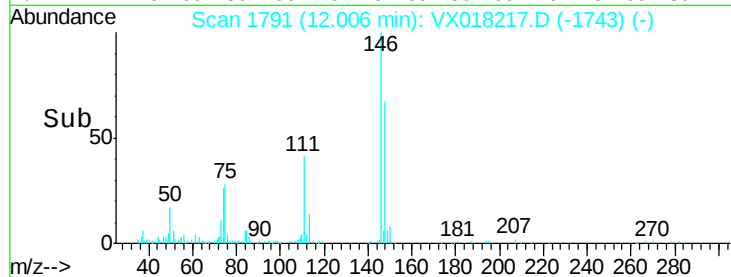
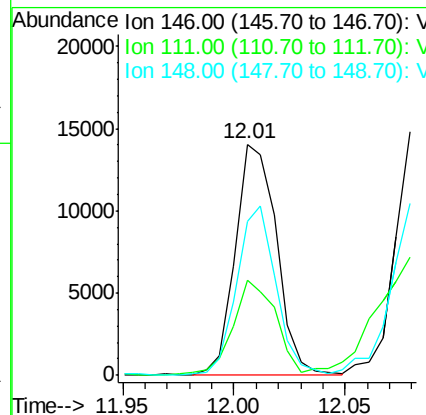
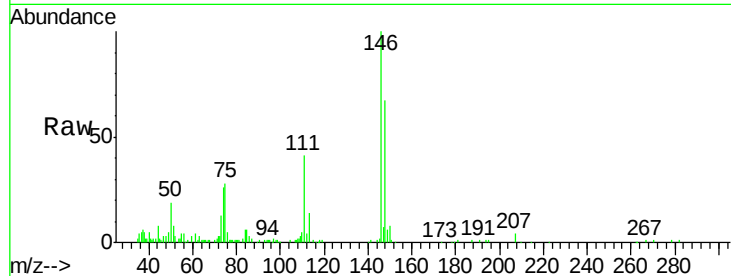
ClientSampleId :

MDL05

Tot Ion:	146	Resp:	18258
Ion Ratio	Lower	Upper	
146	100		
111	41.4	26.2	48.6
148	66.6	44.2	82.2

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#63

1,4-Dichlorobenzene

Concen: 2.124 ug/L

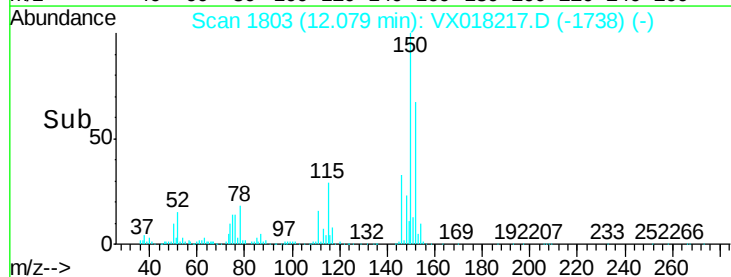
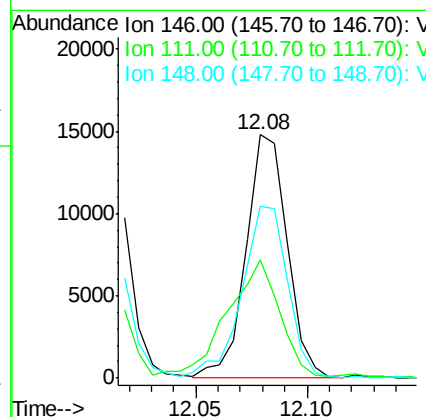
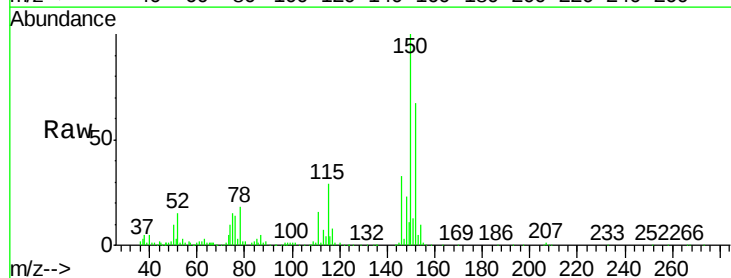
RT: 12.08 min Scan# 1803

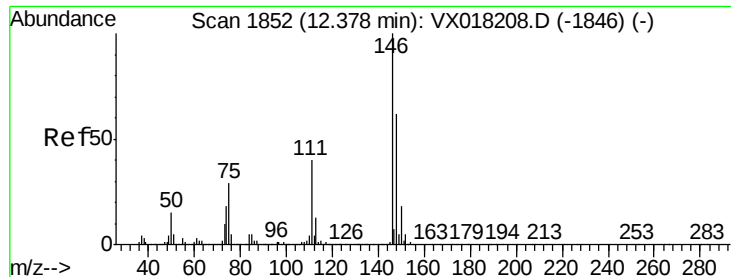
Delta R.T. -0.01 min

Lab File: VX018217.D

Acq: 02 Sep 2020 15:49

Tgt Ion:	146	Resp:	19220
Ion Ratio	Lower	Upper	
146	100		
111	48.7	26.5	49.1
148	70.5	44.5	82.7





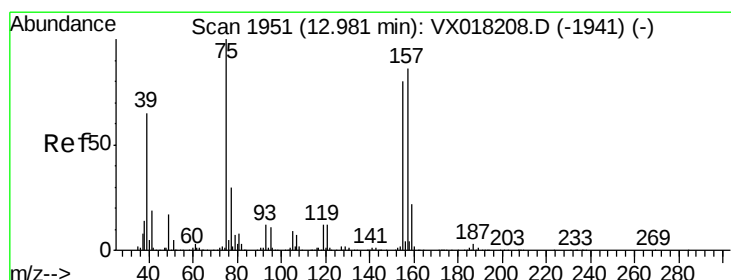
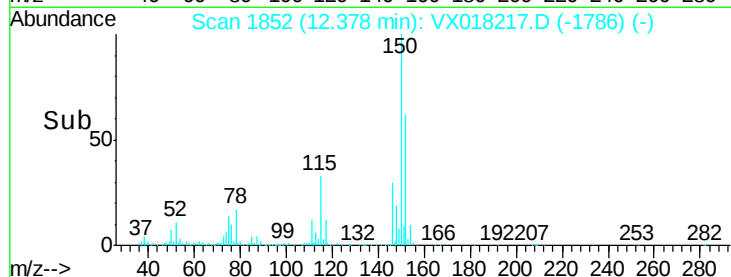
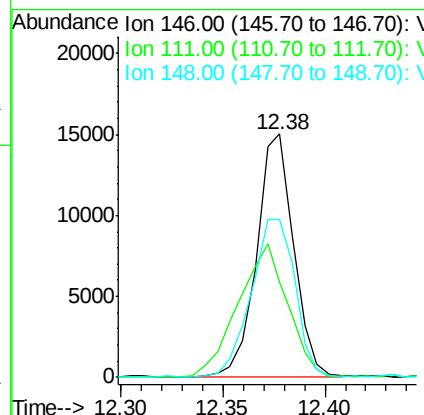
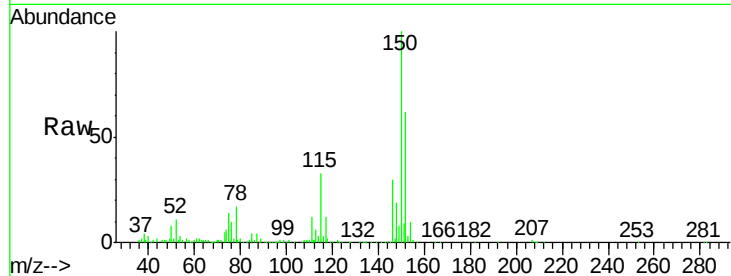
#65
 1,2-Dichlorobenzene
 Concen: 2.231 ug/L
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VX018217.D
 Acq: 02 Sep 2020 15:49

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL05

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	32.4	48.6
148	64.8	49.7	74.5

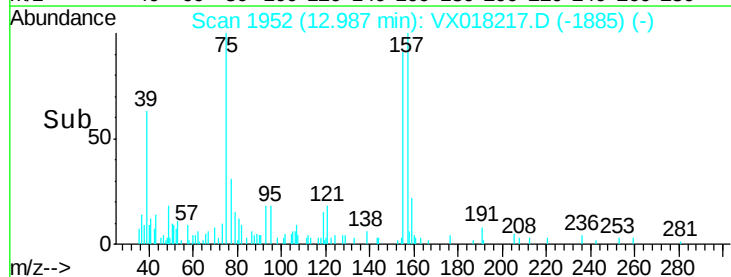
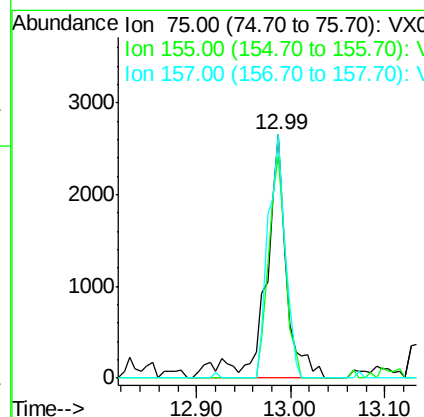
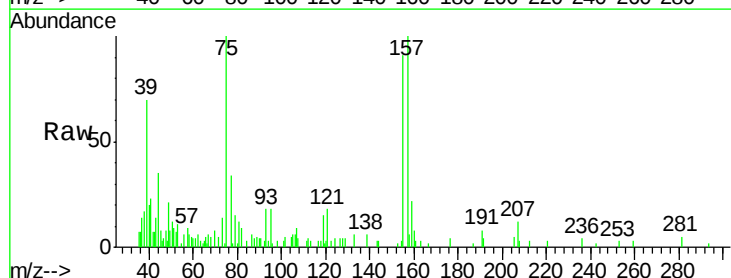
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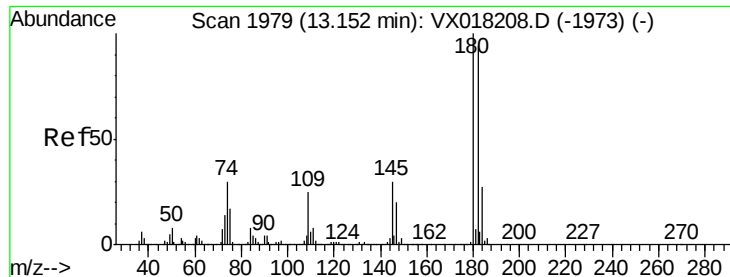
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#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.562 ug/L
 RT: 12.99 min Scan# 1952
 Delta R.T. 0.01 min
 Lab File: VX018217.D
 Acq: 02 Sep 2020 15:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.0	63.8	95.8
157	99.8	68.5	102.7





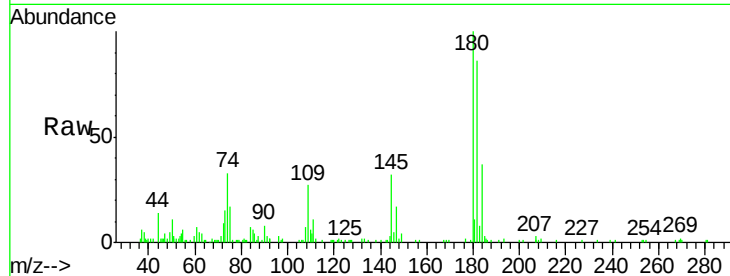
#67
 1,3,5-Trichlorobenzene
 Concen: 1.988 ug/L
 RT: 13.15 min Scan# 1979
 Delta R.T. 0.00 min
 Lab File: VX018217.D
 Acq: 02 Sep 2020 15:49

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL05

Tot Ion	Ratio	Lower	Upper
180	100		
182	101.8	77.1	115.7
184	33.9	23.8	35.6
145	35.1	24.4	36.6

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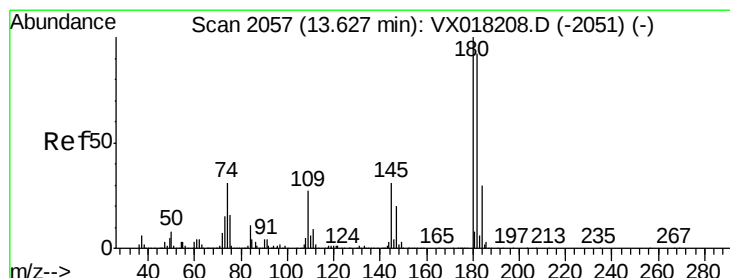
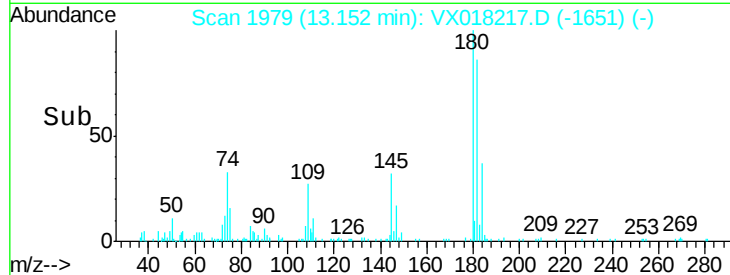
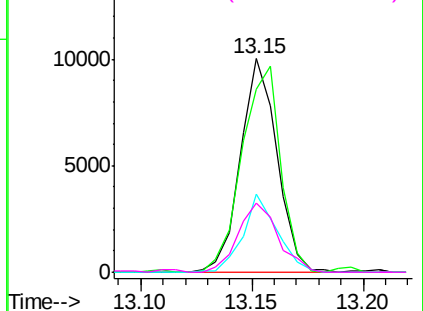
Abundance

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: 2.131 ug/L
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX018217.D
 Acq: 02 Sep 2020 15:49

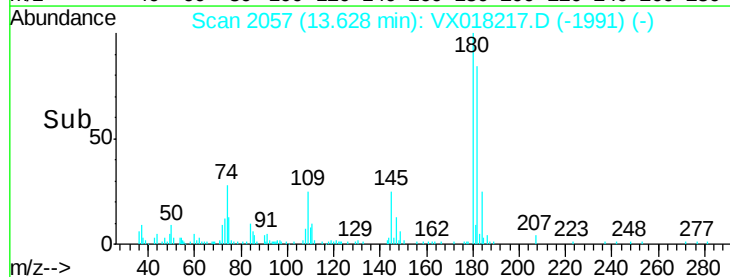
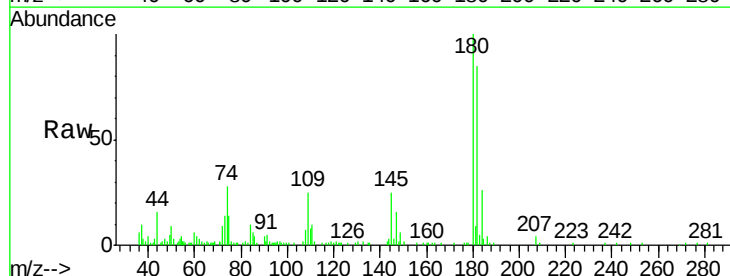
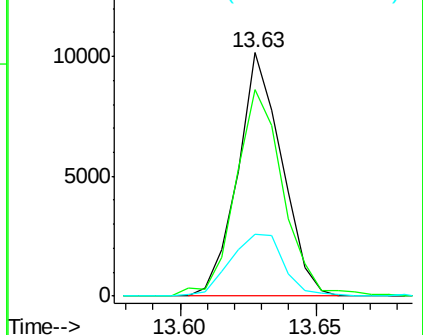
Tgt Ion	Ratio	Lower	Upper
180	100		
182	90.2	74.1	111.1
145	30.9	25.0	37.4

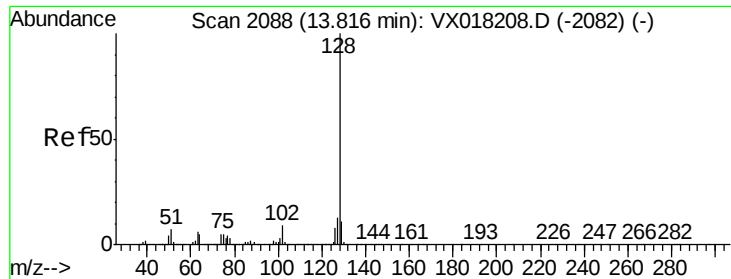
Abundance

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: 1.788 ug/L

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX018217.D

Acq: 02 Sep 2020 15:49

Instrument :

MSVOA_X

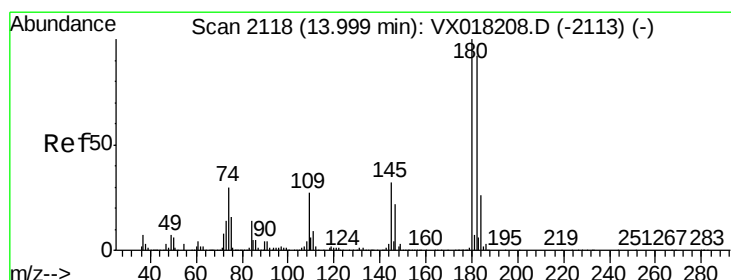
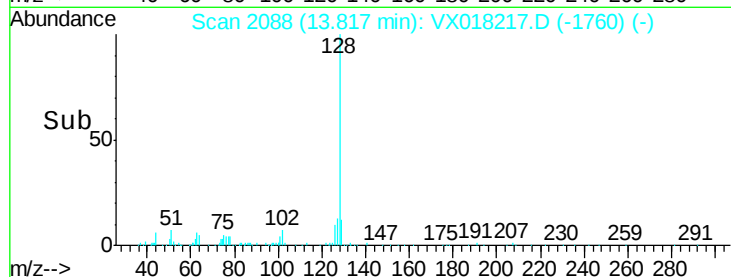
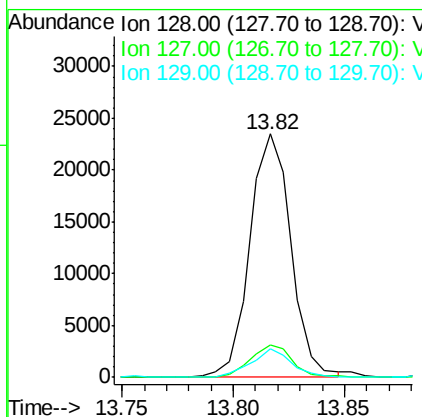
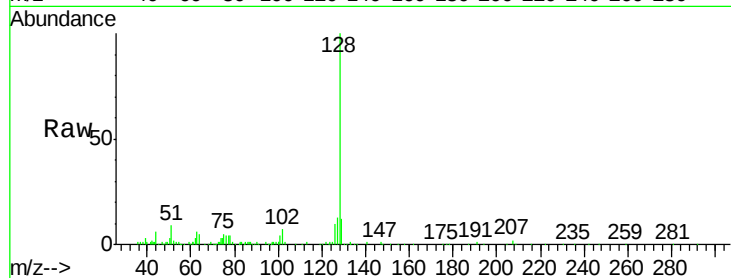
ClientSampleId :

MDL05

Tot Ion:	128	Resp:	30249
Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.0	15.0
129	11.4	8.6	12.8

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#70

1,2,3-Trichlorobenzene

Concen: 2.045 ug/L

RT: 14.00 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VX018217.D

Acq: 02 Sep 2020 15:49

Tgt Ion:	180	Resp:	10946
Ion	Ratio	Lower	Upper
180	100		
182	97.3	77.0	115.4
145	32.9	27.2	40.8

