

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072120\
 Data File : VX017455.D
 Acq On : 21 Jul 2020 15:10
 Operator : JC/SP
 Sample : MDL01
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL01

Manual Integrations
 APPROVED

MMDadoda
 7/22/2020 9:10:54 AM

Quant Time: Jul 22 06:40:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR072120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 22 06:14:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	409553	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	392008	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	179912	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	142466	4.47	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.40%
7) Chloroethane-d5	1.69	69	103597	4.71	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.20%
11) 1,1-Dichloroethene-d2	2.34	63	210865	3.45	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.00%
20) 2-Butanone-d5	4.53	46	294982	49.57	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.14%
24) Chloroform-d	5.14	84	255513	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.20%
26) 1,2-Dichloroethane-d4	6.03	65	142411	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.40%
32) Benzene-d6	6.04	84	503369	5.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.60%
36) 1,2-Dichloropropane-d6	7.37	67	153803	5.44	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	108.80%
41) Toluene-d8	8.70	98	460732	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.20%
45) trans-1,3-Dichloropropene-	8.99	79	62322	5.02	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.40%
48) 2-Hexanone-d5	9.43	63	218465	49.65	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.30%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	99388	4.50	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.00%
65) 1,2-Dichlorobenzene-d4	12.36	152	168716	5.54	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	9374	0.208 ug/L	91
3) Chloromethane	1.31	50	8578	0.205 ug/L	97
5) Vinyl chloride	1.39	62	8157m	0.204 ug/L	
6) Bromomethane	1.63	94	5941	0.274 ug/L	92
8) Chloroethane	1.72	64	4028m	0.184 ug/L	
9) Trichlorofluoromethane	1.92	101	9832	0.171 ug/L #	82
10) 1,1,2-Trichloro-1,2,2-trif	2.36	101	6882	0.221 ug/L	91
12) 1,1-Dichloroethene	2.35	96	7872	0.272 ug/L #	1
13) Acetone	2.42	43	9616	2.003 ug/L	93
14) Carbon disulfide	2.55	76	19900	0.202 ug/L	95
15) Methyl Acetate	2.75	43	3996	0.286 ug/L	98
16) Methylene chloride	2.83	84	13737	0.345 ug/L	90
17) Methyl tert-butyl Ether	3.17	73	11899	0.172 ug/L #	80
18) trans-1,2-Dichloroethene	3.14	96	6252	0.203 ug/L	95
19) 1,1-Dichloroethane	3.66	63	9906	0.182 ug/L #	90
21) 2-Butanone	4.64	43	14345	1.875 ug/L	85
22) cis-1,2-Dichloroethene	4.56	96	7865	0.258 ug/L	99

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Manual Integrations
 APPROVED

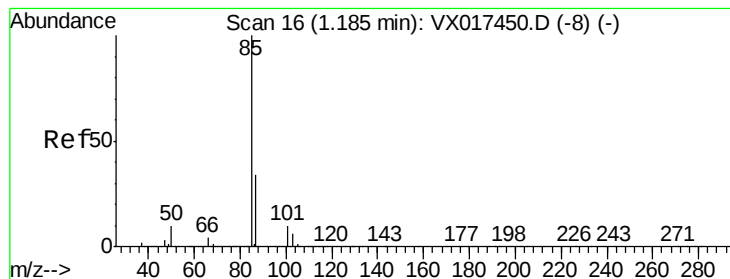
MMDadoda
 7/22/2020 9:10:54 AM

Quant Time: Jul 22 06:40:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR072120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 22 06:14:00 2020
 Response via : Initial Calibration

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

23) Bromochloromethane	4.98	128	3592	0.244	ug/L #	77
25) Chloroform	5.17	83	17974	0.315	ug/L	90
27) 1,2-Dichloroethane	6.18	62	7972	0.217	ug/L #	90
29) 1,1,1-Trichloroethane	5.46	97	10825	0.206	ug/L	95
30) Cyclohexane	5.56	56	7879	0.185	ug/L	97
31) Carbon tetrachloride	5.76	117	9331	0.197	ug/L	99
33) Benzene	6.12	78	22836	0.198	ug/L	100
34) Trichloroethene	7.18	95	6595	0.212	ug/L	92
35) Methylcyclohexane	7.43	83	7240	0.172	ug/L	88
37) 1,2-Dichloropropane	7.49	63	6548	0.226	ug/L #	97
38) Bromodichloromethane	7.88	83	8016	0.206	ug/L #	84
39) cis-1,3-Dichloropropene	8.42	75	6981	0.167	ug/L	89
40) 4-Methyl-2-pentanone	8.62	43	29446	1.735	ug/L #	93
42) Toluene	8.76	91	22492	0.194	ug/L	94
43) 1,3,5-Trimethylbenzene	11.49	105	16052	0.149	ug/L	97
44) 1,2,4-Trimethylbenzene	11.79	105	16041	0.150	ug/L	98
46) trans-1,3-Dichloropropene	9.02	75	7384m	0.204	ug/L	
47) 1,1,2-Trichloroethane	9.20	97	4407	0.222	ug/L	94
49) Tetrachloroethene	9.32	164	4740	0.187	ug/L	80
50) 2-Hexanone	9.47	43	21540	1.739	ug/L #	86
51) Dibromochloromethane	9.56	129	5295	0.194	ug/L	84
52) 1,2-Dibromoethane	9.65	107	3887	0.197	ug/L #	93
53) Chlorobenzene	10.12	112	15722	0.200	ug/L	90
54) Ethylbenzene	10.23	91	22302	0.178	ug/L	88
55) m,p-xylene	10.34	106	8932	0.178	ug/L	93
56) o-xylene	10.68	106	8964	0.184	ug/L	87
57) Styrene	10.70	104	13220	0.163	ug/L	91
58) Isopropylbenzene	11.01	105	20002	0.159	ug/L	96
60) 1,1,2,2-Tetrachloroethane	11.25	83	4807	0.203	ug/L #	94
62) Bromoform	10.84	173	3056	0.212	ug/L	96
63) 1,3-Dichlorobenzene	12.01	146	12407	0.214	ug/L	90
64) 1,4-Dichlorobenzene	12.09	146	12058	0.212	ug/L	88
66) 1,2-Dichlorobenzene	12.37	146	12041	0.224	ug/L #	91
67) 1,2-Dibromo-3-chloropropan	12.99	75	1740	0.369	ug/L #	67
68) 1,3,5-Trichlorobenzene	13.15	180	10429	0.214	ug/L	96
69) 1,2,4-trichlorobenzene	13.63	180	7067	0.198	ug/L	90
70) Naphthalene	13.82	128	10951	0.175	ug/L #	91
71) 1,2,3-Trichlorobenzene	14.01	180	6434	0.195	ug/L #	95

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



#2

Dichlorodifluoromethane

Concen: 0.208 ug/L

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX017455.D

Acq: 21 Jul 2020 15:10

Instrument :

MSVOA_X

ClientSampled :

MDL01

Tot Ion: 85 Resp: 9374

Ion Ratio Lower Upper

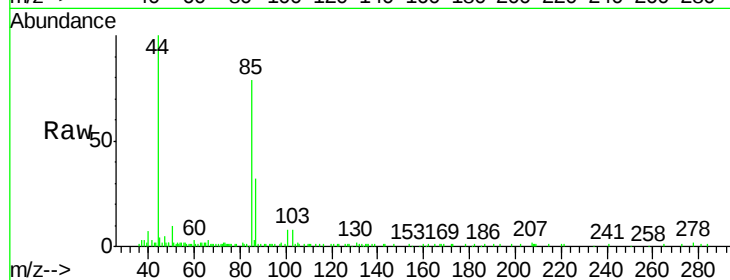
85 100

87 37.6 26.1 39.1

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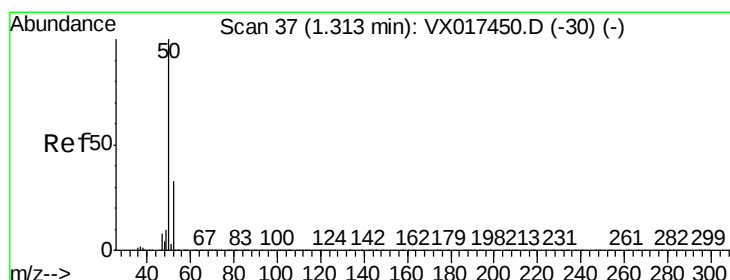
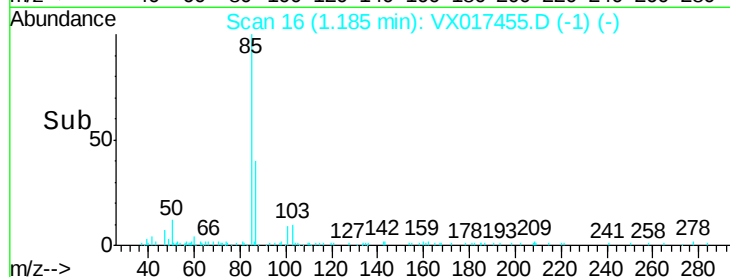
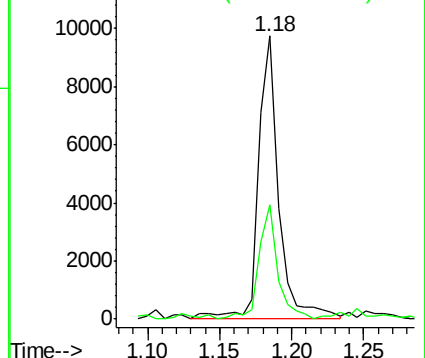
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Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#3

Chloromethane

Concen: 0.205 ug/L

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX017455.D

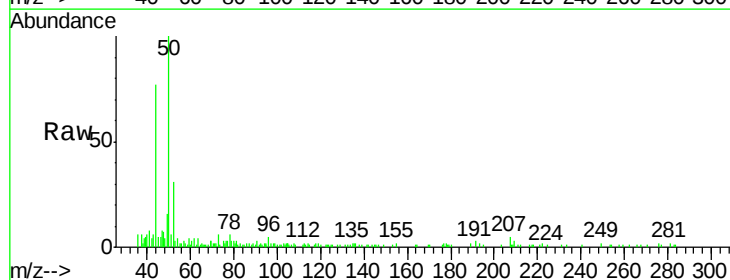
Acq: 21 Jul 2020 15:10

Tgt Ion: 50 Resp: 8578

Ion Ratio Lower Upper

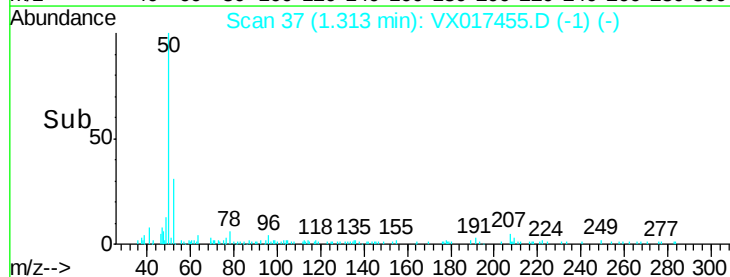
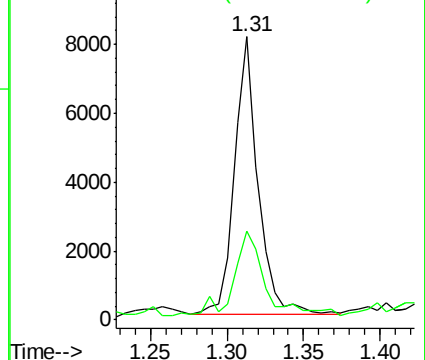
50 100

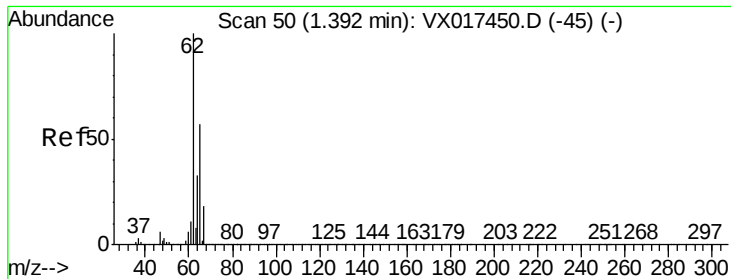
52 31.2 23.2 43.2



Abundance Ion 50.05 (49.75 to 50.75): VX0

Ion 52.05 (51.75 to 52.75): VX0





#5

Vinyl chloride

Concen: 0.204 ug/L m

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX017455.D

Acq: 21 Jul 2020 15:10

Instrument :

MSVOA_X

ClientSampleId :

MDL01

Tot Ion: 62 Resp: 8157

Ion Ratio Lower Upper

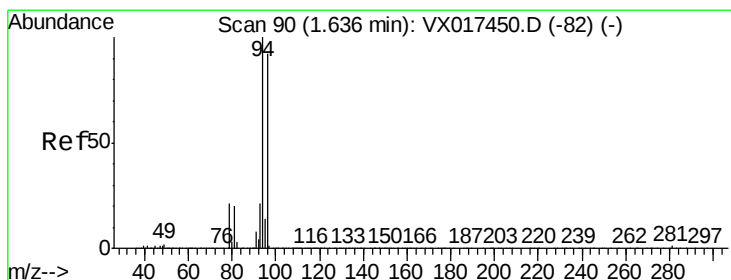
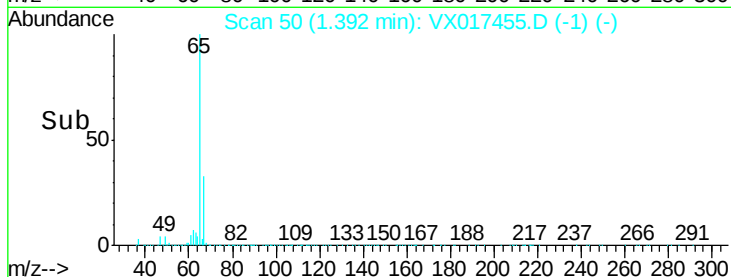
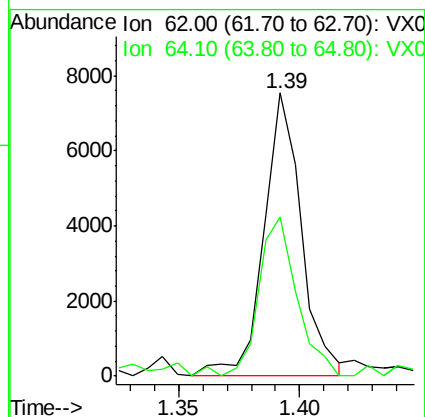
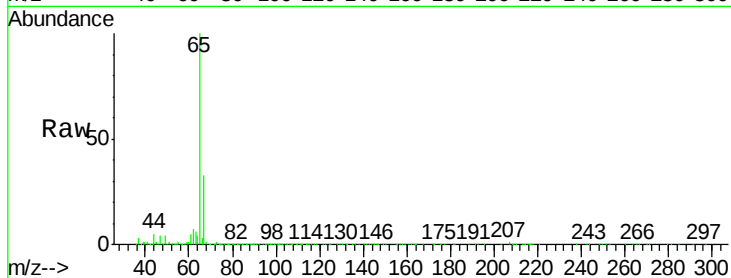
62 100

64 56.2 23.2 43.2#

Manual Integrations
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#6

Bromomethane

Concen: 0.274 ug/L

RT: 1.63 min Scan# 89

Delta R.T. -0.01 min

Lab File: VX017455.D

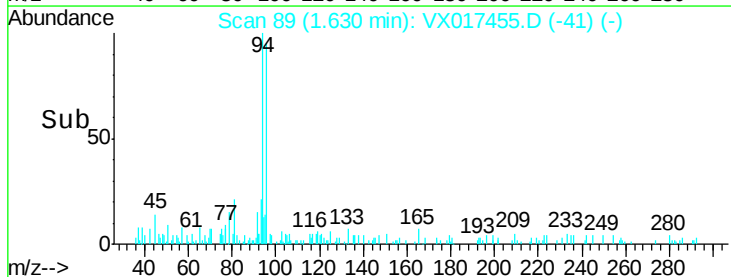
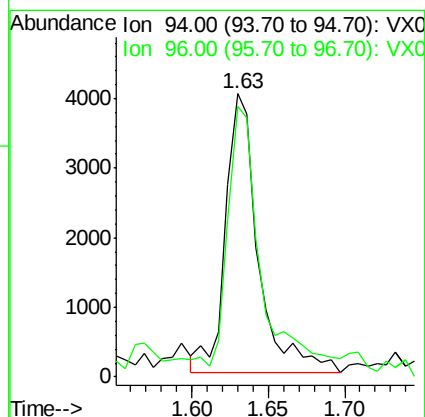
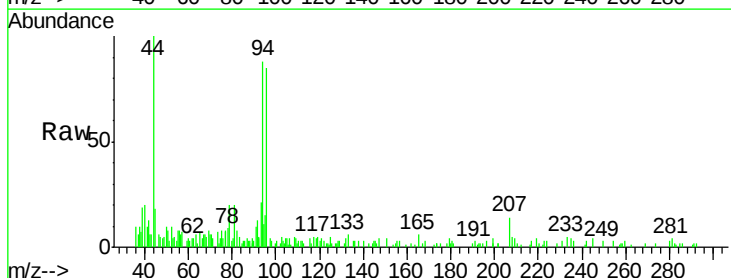
Acq: 21 Jul 2020 15:10

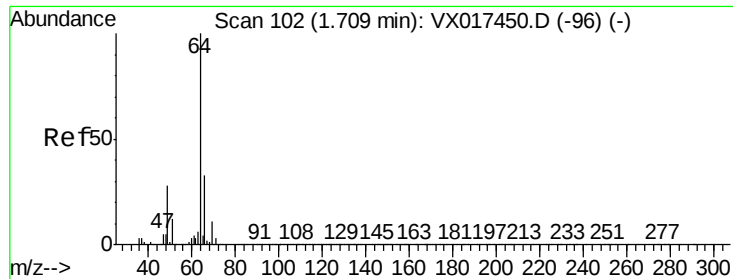
Tgt Ion: 94 Resp: 5941

Ion Ratio Lower Upper

94 100

96 85.1 64.8 120.4





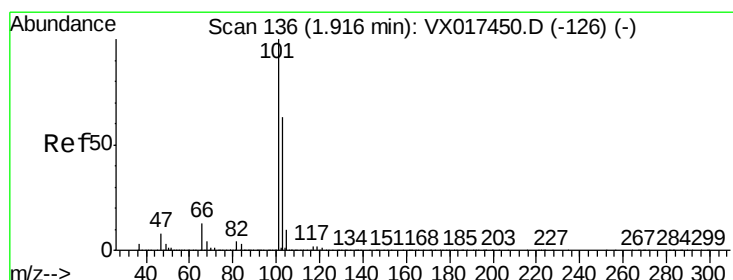
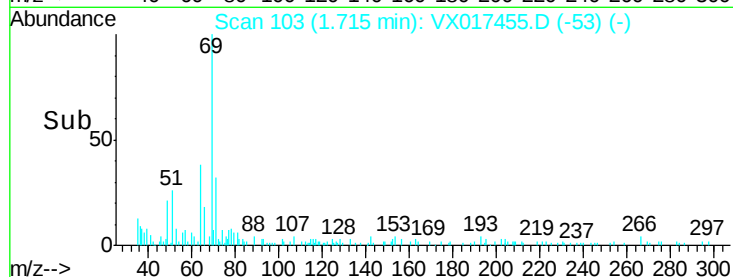
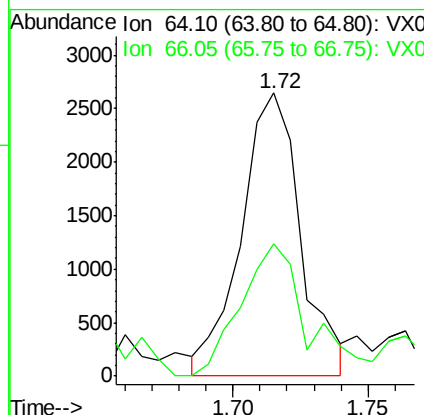
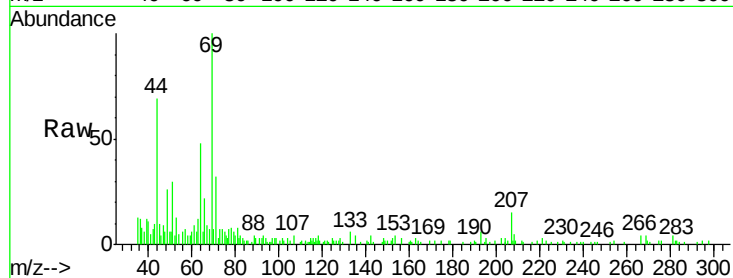
#8
Chloroethane
Concen: 0.184 ug/L m
RT: 1.72 min Scan# 103
Delta R.T. 0.01 min
Lab File: VX017455.D
Acq: 21 Jul 2020 15:10

Instrument :
MSVOA_X
ClientSampleId :
MDL01

Tot Ion	Ratio	Lower	Upper
64	100		
66	46.6	23.1	42.9#

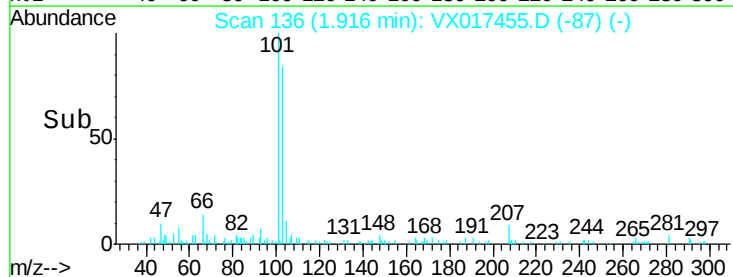
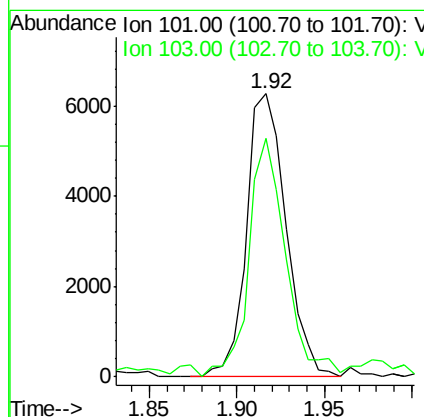
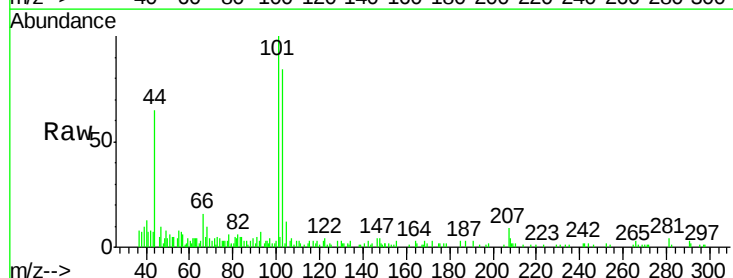
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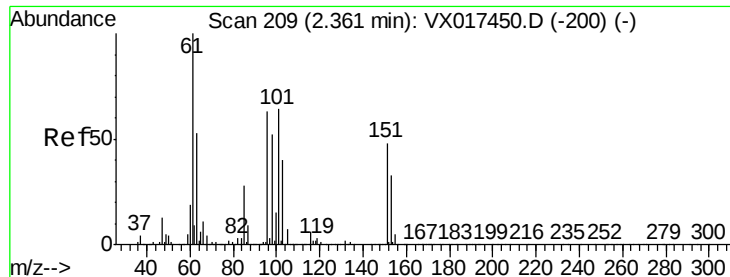
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#9
Trichlorofluoromethane
Concen: 0.171 ug/L
RT: 1.92 min Scan# 136
Delta R.T. 0.00 min
Lab File: VX017455.D
Acq: 21 Jul 2020 15:10

Tgt Ion	Ratio	Lower	Upper
101	100		
103	78.5	51.4	77.2#





#10

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

Concen: 0.221 ug/L

RT: 2.36 min Scan# 209

Delta R.T. 0.00 min

Lab File: VX017455.D

Acq: 21 Jul 2020 15:10

Instrument :

MSVOA_X

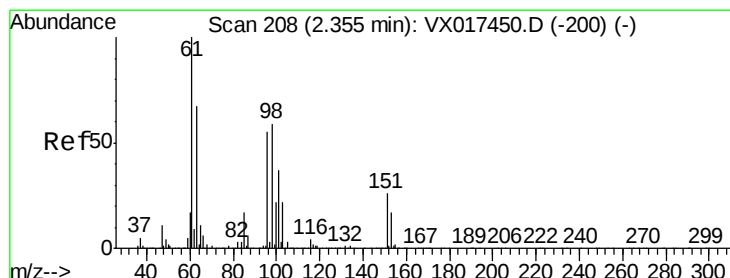
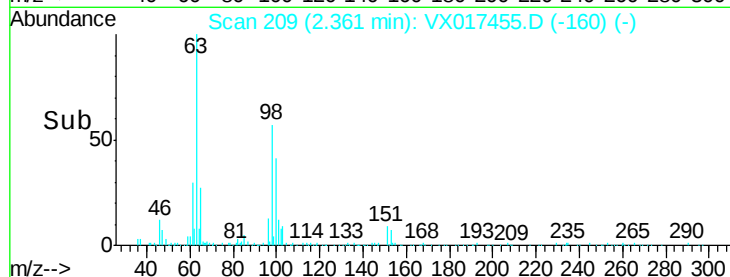
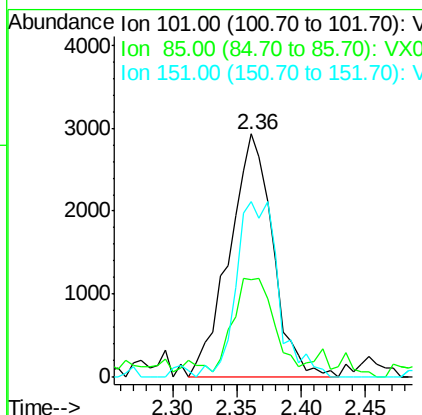
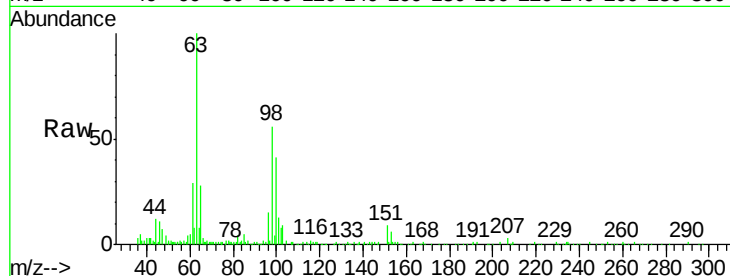
ClientSampleId :

MDL01

Tot Ion:	101	Resp:	6882
Ion Ratio	Lower	Upper	
101	100		
85	39.0	35.3	52.9
151	69.7	62.3	93.5

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 0.272 ug/L

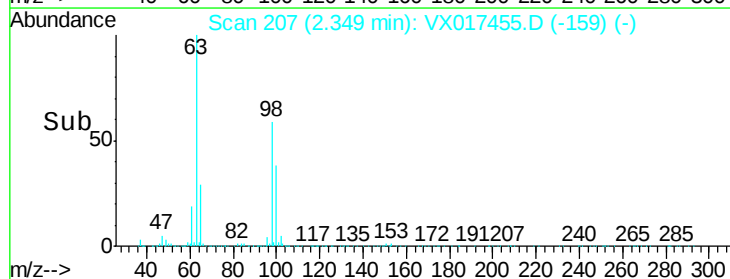
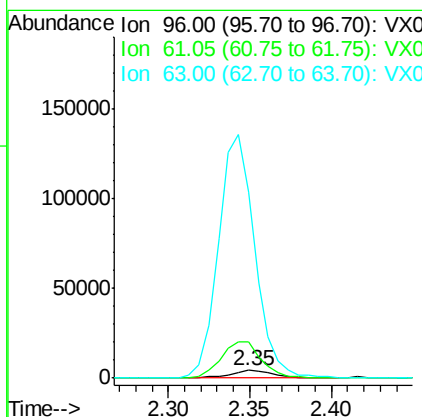
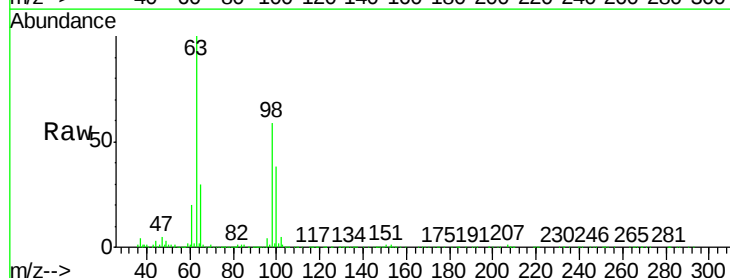
RT: 2.35 min Scan# 207

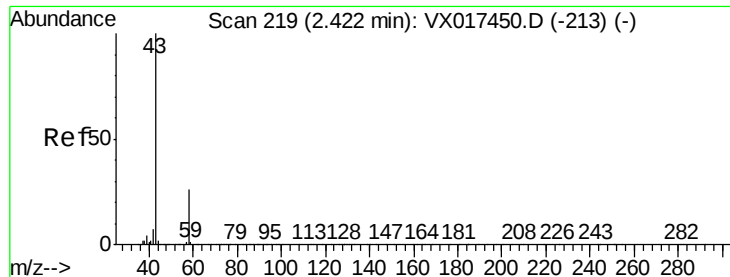
Delta R.T. -0.01 min

Lab File: VX017455.D

Acq: 21 Jul 2020 15:10

Tgt Ion:	96	Resp:	7872
Ion Ratio	Lower	Upper	
96	100		
61	471.4	126.5	234.9#
63	2415.1	85.6	159.0#





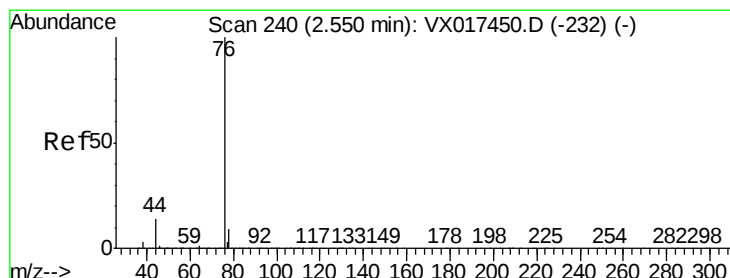
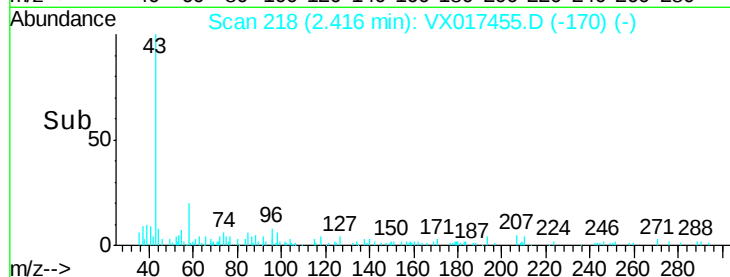
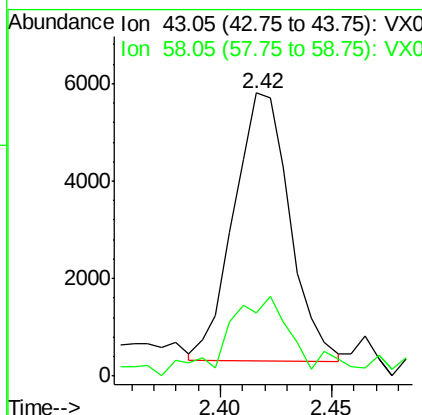
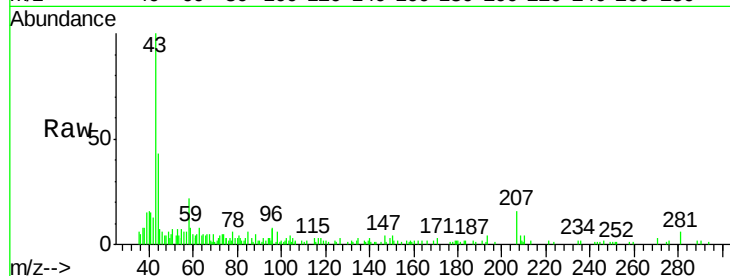
#13
Acetone
Concen: 2.003 ug/L
RT: 2.42 min Scan# 218
Delta R.T. -0.01 min
Lab File: VX017455.D
Acq: 21 Jul 2020 15:10

Instrument :
MSVOA_X
ClientSampleId :
MDL01

Tot Ion	Ratio	Lower	Upper
43	100		
58	32.8	0.0	58.6

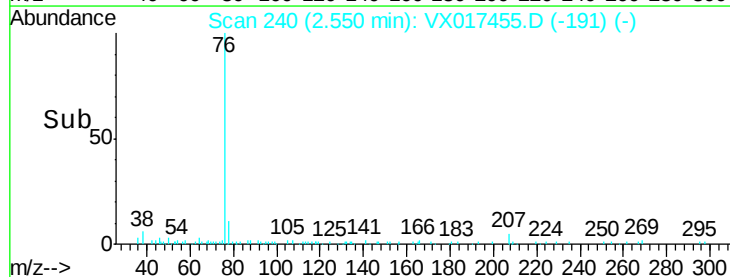
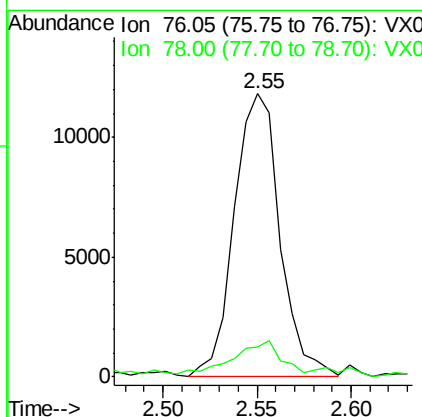
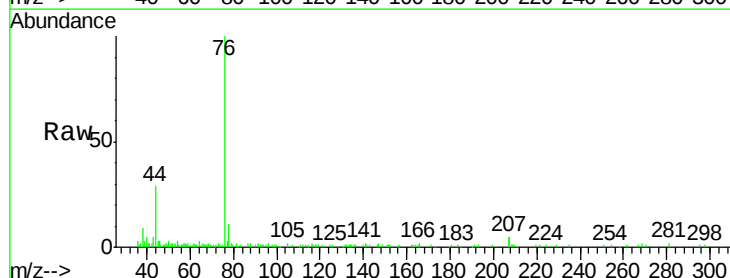
Manual Integrations
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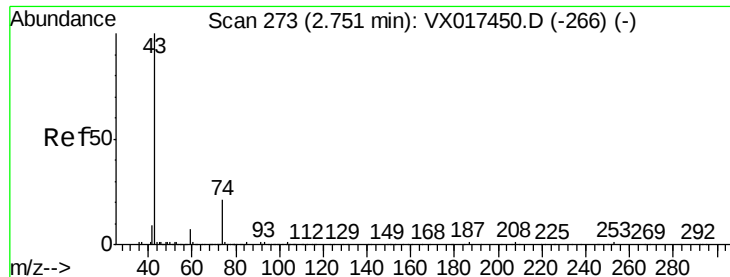
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#14
Carbon disulfide
Concen: 0.202 ug/L
RT: 2.55 min Scan# 240
Delta R.T. 0.00 min
Lab File: VX017455.D
Acq: 21 Jul 2020 15:10

Tgt Ion	Ratio	Lower	Upper
76	100		
78	10.8	7.3	10.9





#15

Methyl Acetate

Concen: 0.286 ug/L

RT: 2.75 min Scan# 273

Delta R.T. 0.00 min

Lab File: VX017455.D

Acq: 21 Jul 2020 15:10

Instrument :

MSVOA_X

ClientSampleId :

MDL01

Tot Ion: 43 Resp: 3996

Ion Ratio Lower Upper

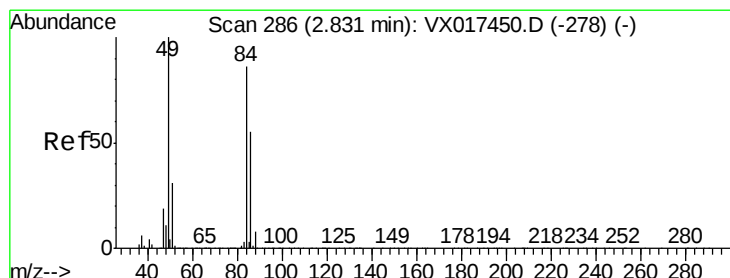
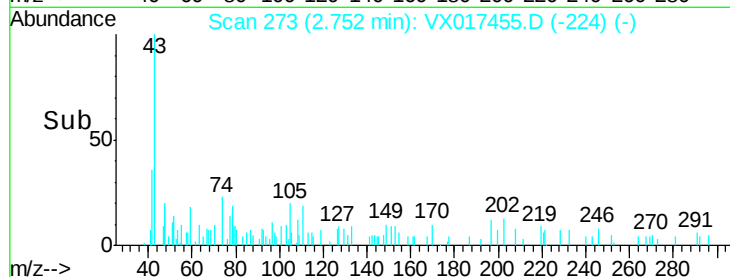
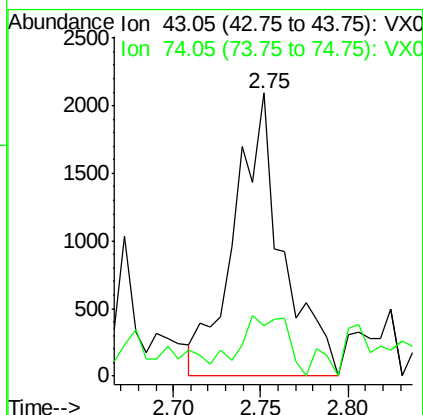
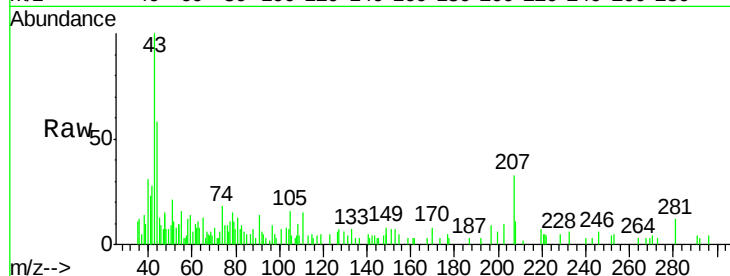
43 100

74 21.1 17.6 26.4

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#16

Methylene chloride

Concen: 0.345 ug/L

RT: 2.83 min Scan# 286

Delta R.T. 0.00 min

Lab File: VX017455.D

Acq: 21 Jul 2020 15:10

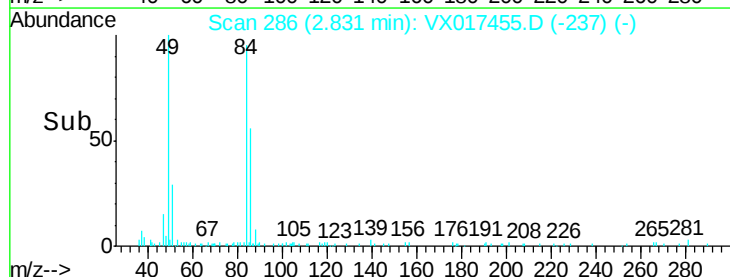
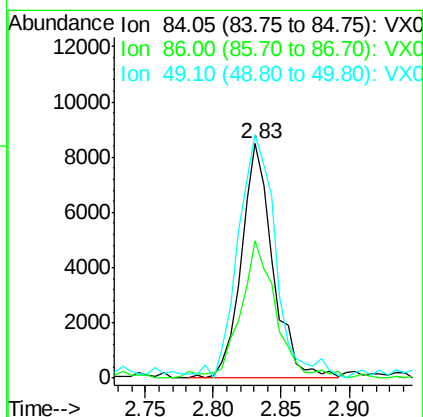
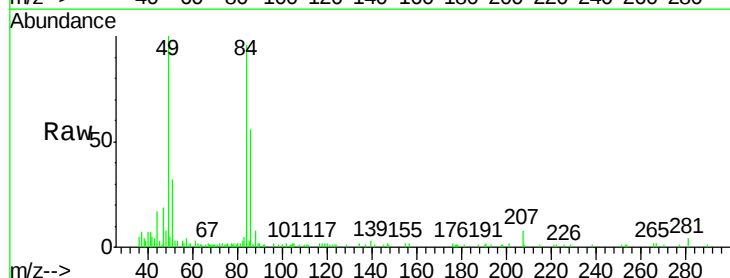
Tgt Ion: 84 Resp: 13737

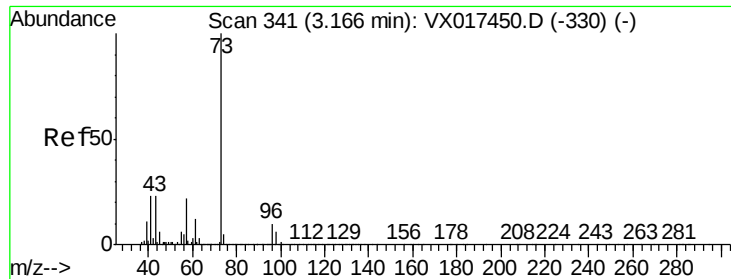
Ion Ratio Lower Upper

84 100

86 58.3 44.8 83.2

49 103.8 81.0 150.4





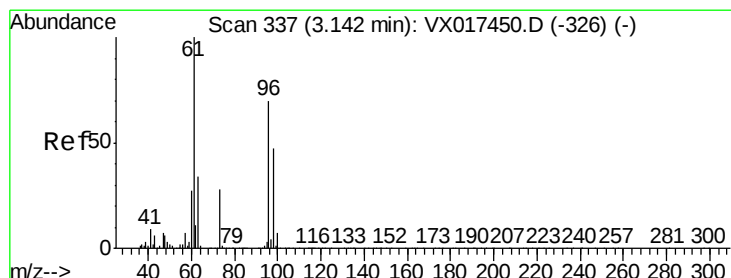
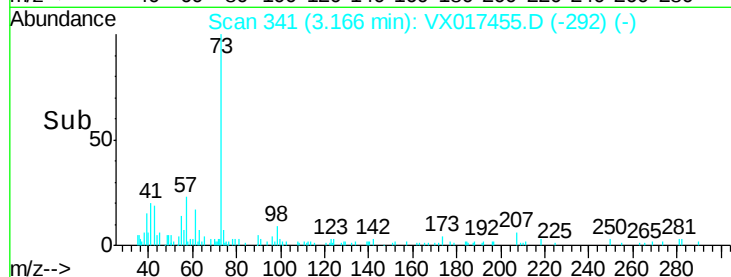
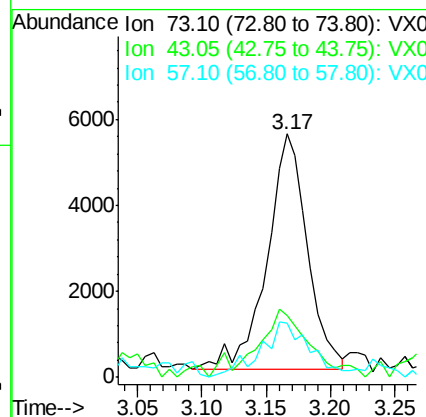
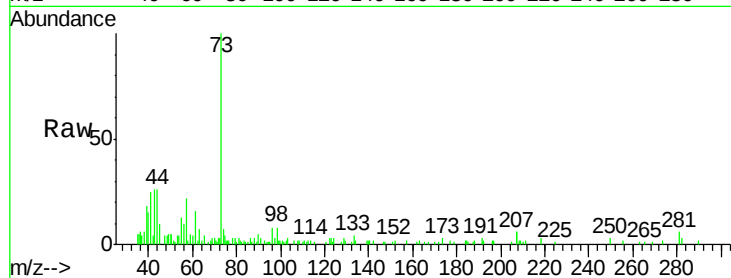
#17
Methvl tert-butvl Ether
Concen: 0.172 ug/L
RT: 3.17 min Scan# 341
Delta R.T. 0.00 min
Lab File: VX017455.D
Acq: 21 Jul 2020 15:10

Instrument :
MSVOA_X
ClientSampleId :
MDL01

Tot Ion	Ratio	Lower	Upper
73	100		
43	34.9	17.8	26.6#
57	29.0	17.8	26.8#

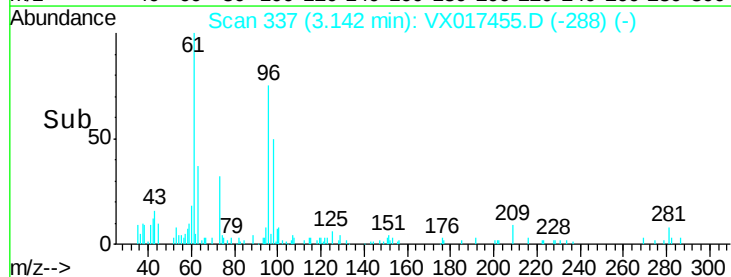
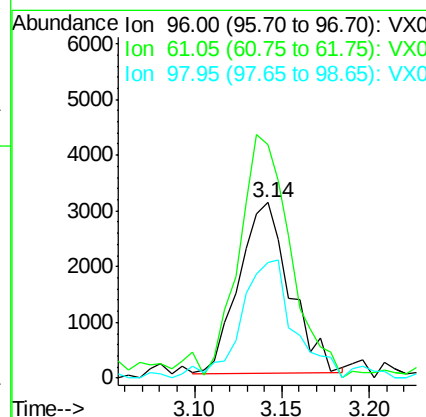
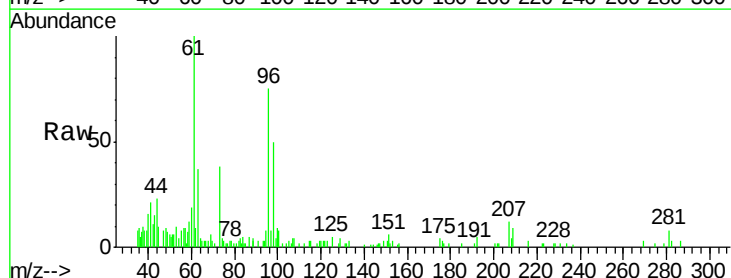
Manual Integrations
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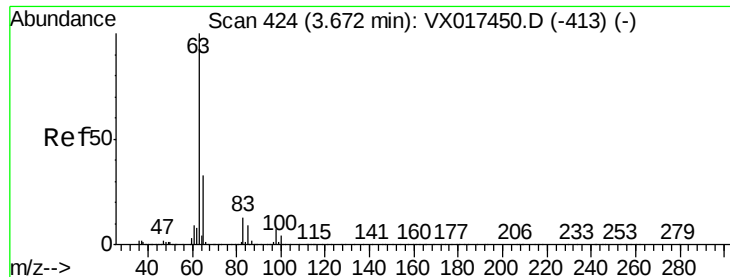
MMDadoda
7/22/2020 9:10:54 AM



#18
trans-1,2-Dichloroethene
Concen: 0.203 ug/L
RT: 3.14 min Scan# 337
Delta R.T. 0.00 min
Lab File: VX017455.D
Acq: 21 Jul 2020 15:10

Tgt Ion	Ratio	Lower	Upper
96	100		
61	133.1	99.8	185.4
98	66.3	46.4	86.2





#19

1,1-Dichloroethane

Concen: 0.182 ug/L

RT: 3.66 min Scan# 422

Delta R.T. -0.01 min

Lab File: VX017455.D

Acq: 21 Jul 2020 15:10

Instrument :

MSVOA_X

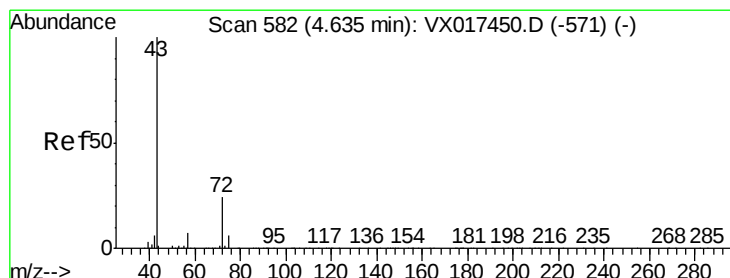
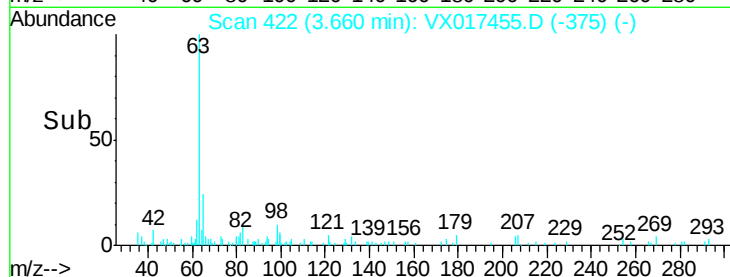
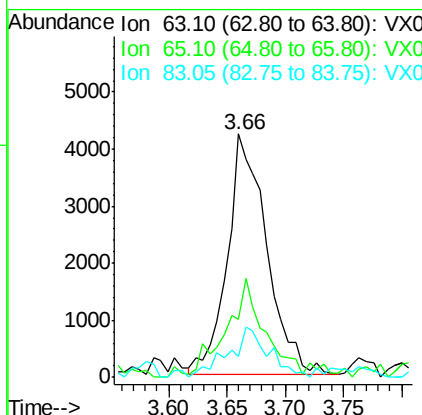
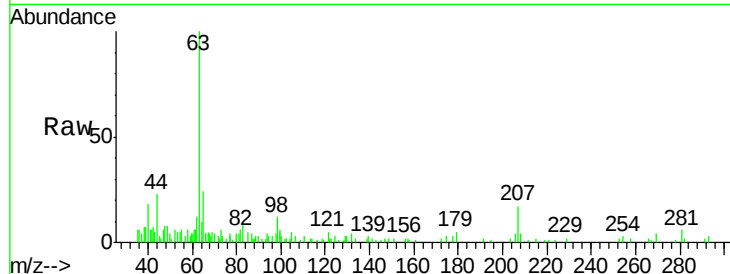
ClientSampled :

MDL01

Tot Ion:	63	Resp:	9906
Ion Ratio	Lower	Upper	
63	100		
65	27.8	23.2	43.2
83	8.8	9.4	17.4#

Manual Integrations
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#21

2-Butanone

Concen: 1.875 ug/L

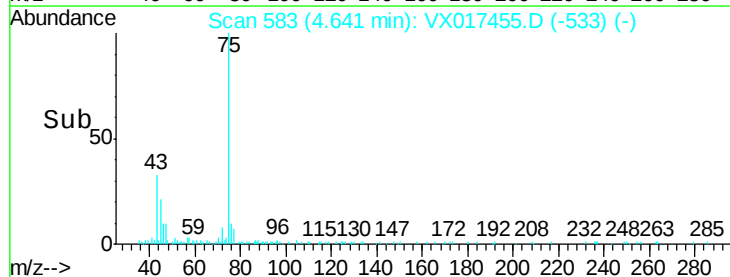
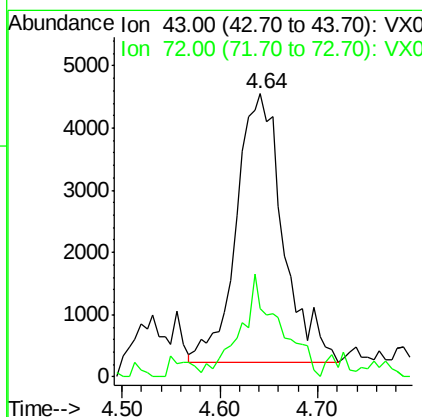
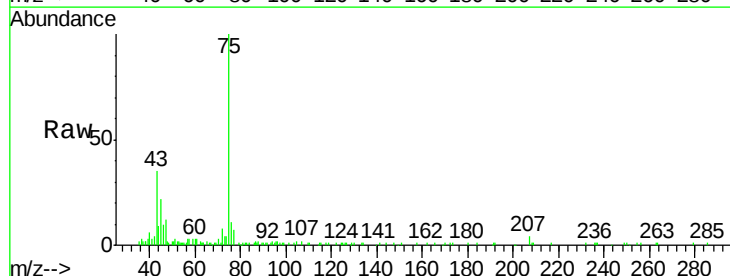
RT: 4.64 min Scan# 583

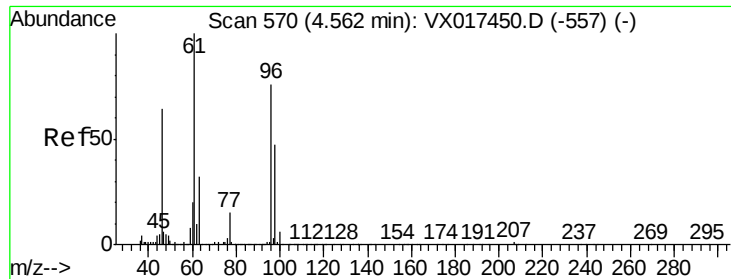
Delta R.T. 0.01 min

Lab File: VX017455.D

Acq: 21 Jul 2020 15:10

Tgt Ion:	43	Resp:	14345
Ion Ratio	Lower	Upper	
43	100		
72	31.9	12.1	36.3





#22

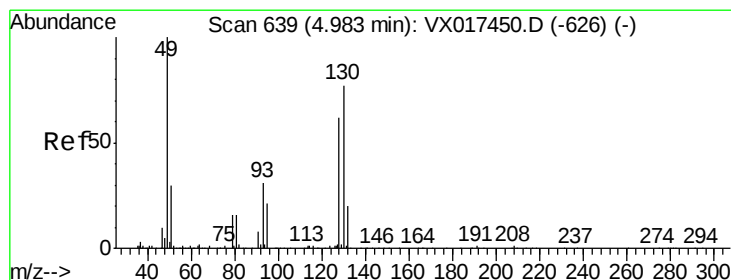
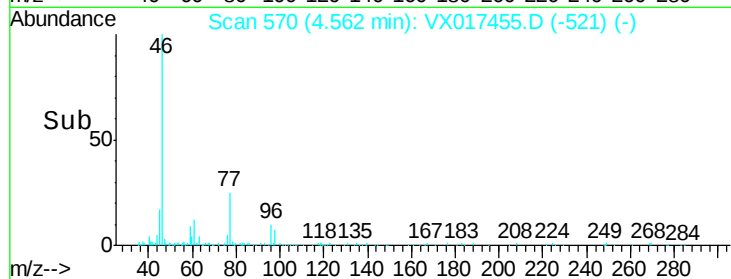
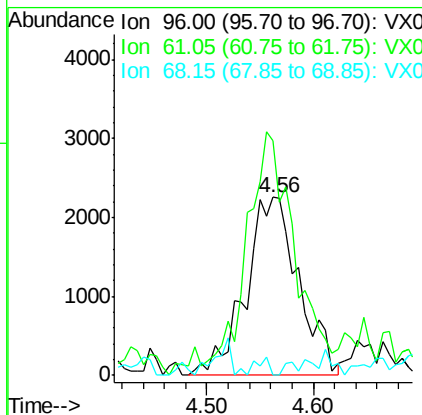
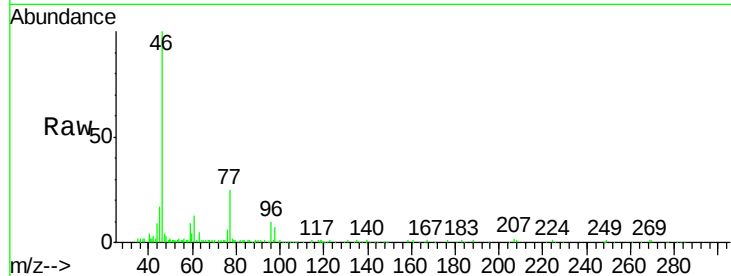
cis-1,2-Dichloroethene
Concen: 0.258 ug/L
RT: 4.56 min Scan# 570
Delta R.T. 0.00 min
Lab File: VX017455.D
Acq: 21 Jul 2020 15:10

Instrument :
MSVOA_X
ClientSampled :
MDL01

Tot Ion:	96	Resp:	7865
Ion	Ratio	Lower	Upper
96	100		
61	131.9	91.6	170.2
68	0.0	0.0	0.0

Manual Integrations
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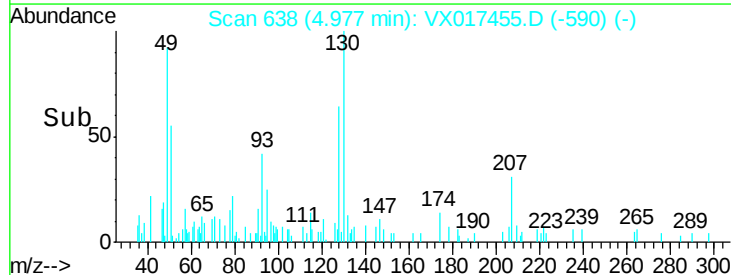
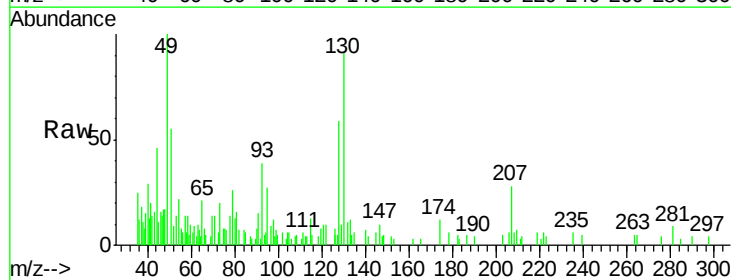
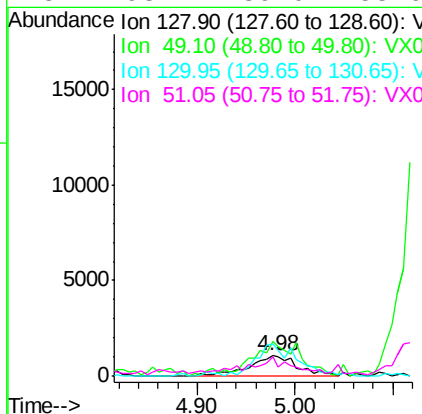
MMDadoda
7/22/2020 9:10:54 AM

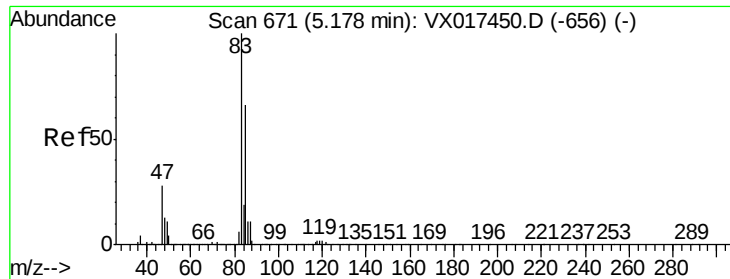


#23

Bromochloromethane
Concen: 0.244 ug/L
RT: 4.98 min Scan# 638
Delta R.T. -0.01 min
Lab File: VX017455.D
Acq: 21 Jul 2020 15:10

Tgt Ion:	128	Resp:	3592
Ion	Ratio	Lower	Upper
128	100		
49	170.3	113.3	210.3
130	155.2	87.3	162.1
51	93.4	39.0	58.6#





#25

Chloroform

Concen: 0.315 ug/L

RT: 5.17 min Scan# 670

Delta R.T. -0.01 min

Lab File: VX017455.D

Acq: 21 Jul 2020 15:10

Instrument :

MSVOA_X

ClientSampleId :

MDL01

Tot Ion: 83 Resp: 17974

Ion Ratio Lower Upper

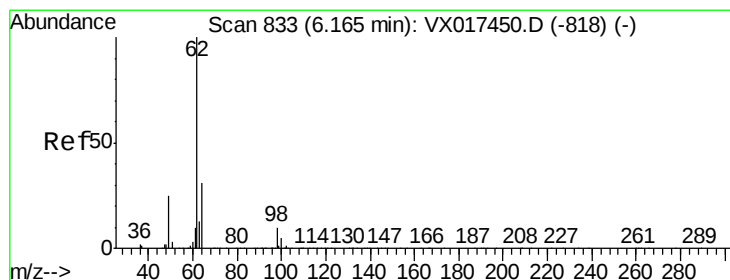
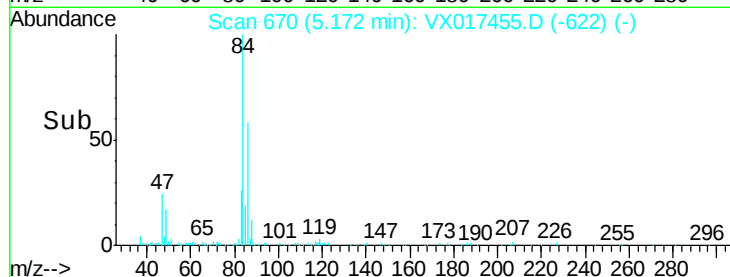
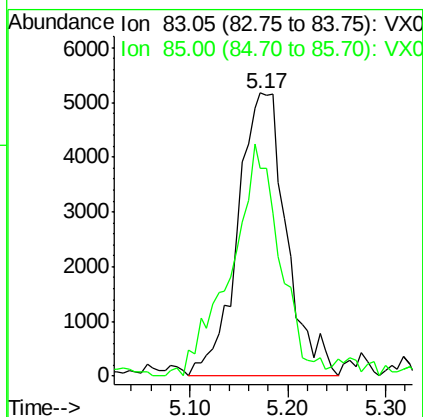
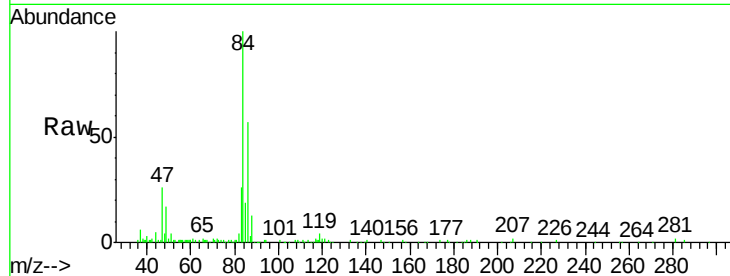
83 100

85 73.6 46.2 85.8

Manual Integrations
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#27

1,2-Dichloroethane

Concen: 0.217 ug/L

RT: 6.18 min Scan# 835

Delta R.T. 0.01 min

Lab File: VX017455.D

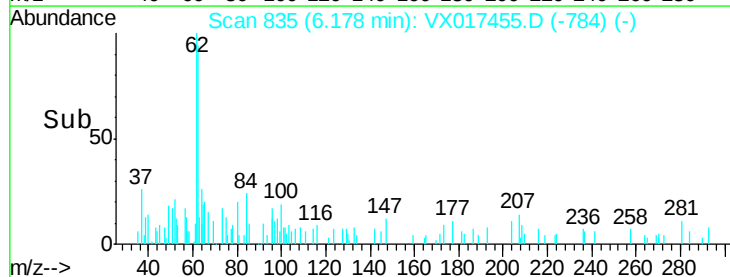
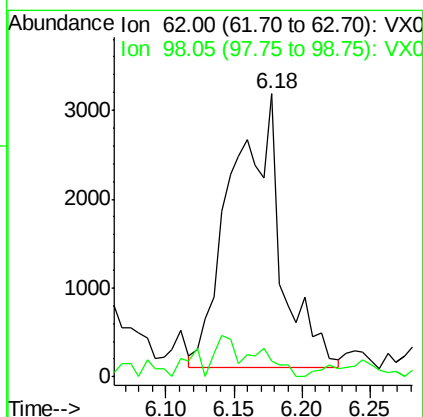
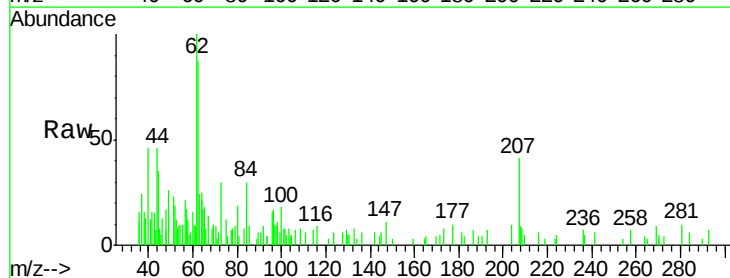
Acq: 21 Jul 2020 15:10

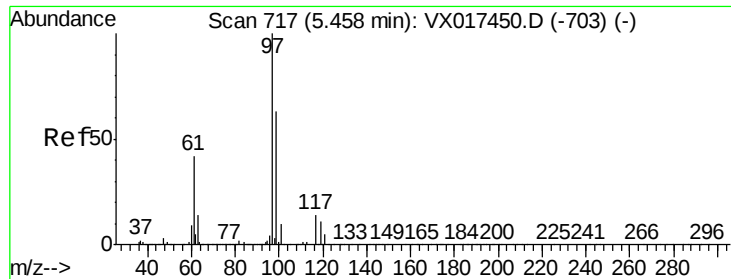
Tgt Ion: 62 Resp: 7972

Ion Ratio Lower Upper

62 100

98 5.8 7.7 11.5#





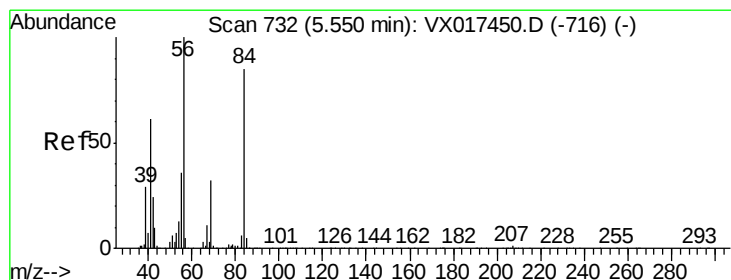
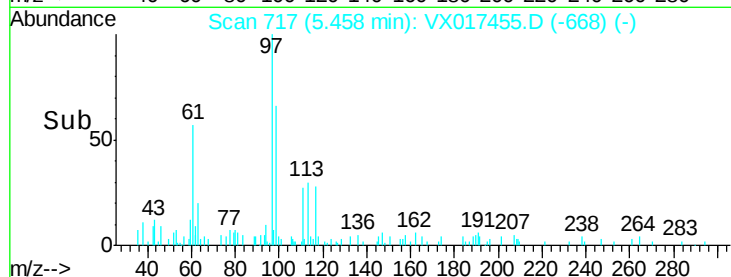
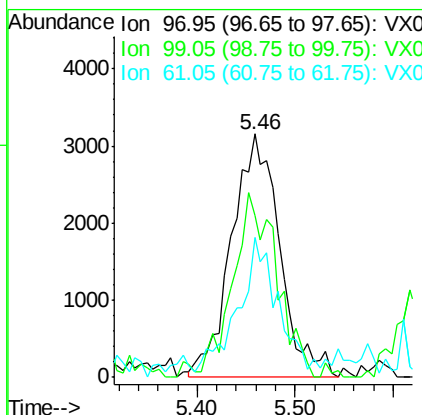
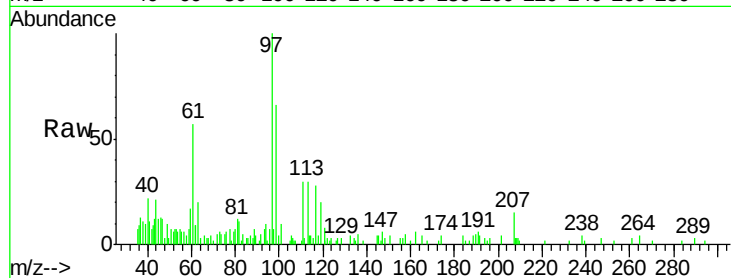
#29
 1,1,1-Trichloroethane
 Concen: 0.206 ug/L
 RT: 5.46 min Scan# 717
 Delta R.T. 0.00 min
 Lab File: VX017455.D
 Acq: 21 Jul 2020 15:10

Instrument :
 MSVOA_X
 ClientSampled :
 MDL01

Tot Ion	Ratio	Lower	Upper
97	100		
99	68.7	53.0	79.4
61	49.8	35.2	52.8

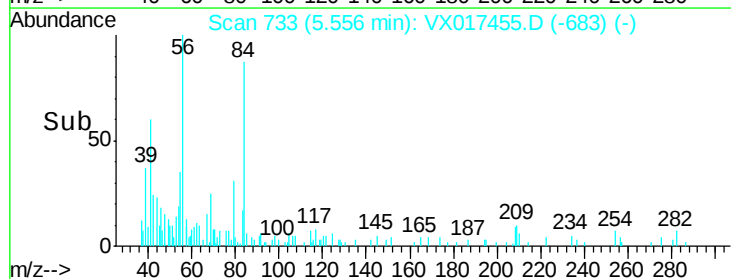
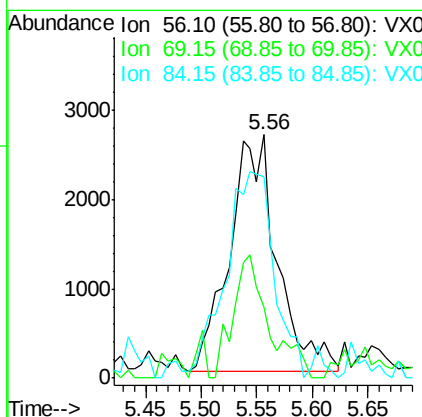
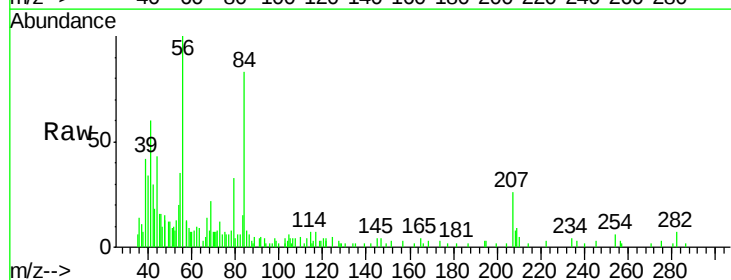
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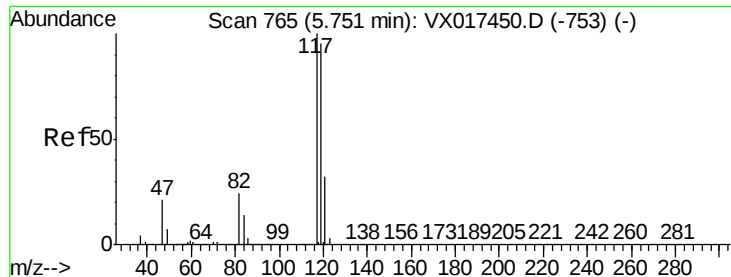
MMDadoda
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#30
 Cyclohexane
 Concen: 0.185 ug/L
 RT: 5.56 min Scan# 733
 Delta R.T. 0.01 min
 Lab File: VX017455.D
 Acq: 21 Jul 2020 15:10

Tgt Ion	Ratio	Lower	Upper
56	100		
69	33.0	25.4	38.2
84	89.2	69.3	103.9





#31

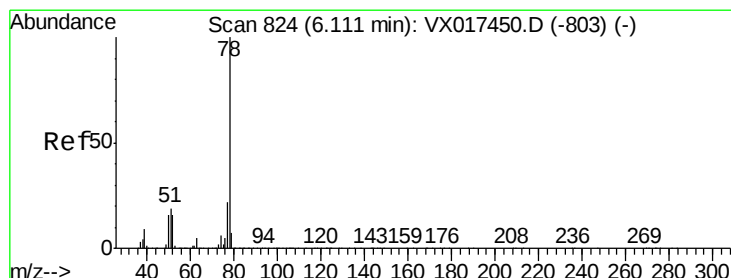
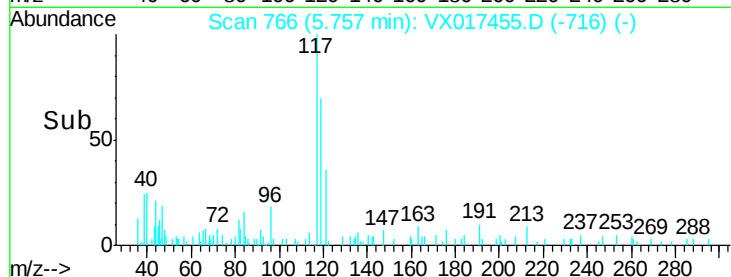
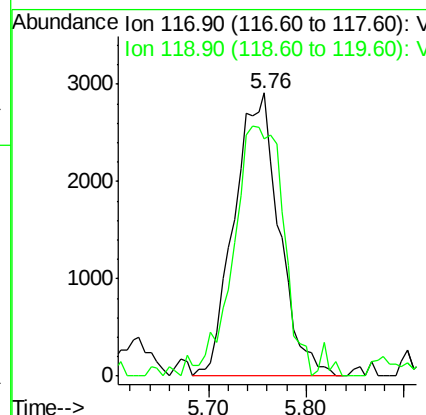
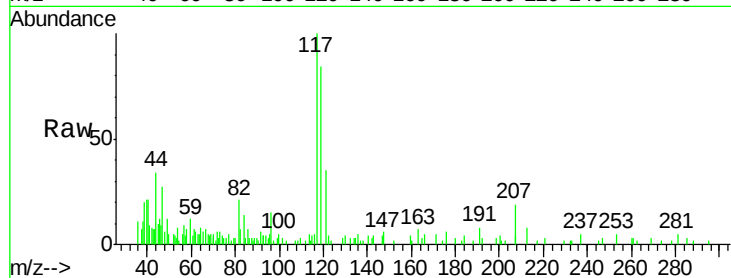
Carbon tetrachloride
Concen: 0.197 ug/L
RT: 5.76 min Scan# 766
Delta R.T. 0.01 min
Lab File: VX017455.D
Acq: 21 Jul 2020 15:10

Instrument :
MSVOA_X
ClientSampleId :
MDL01

Tot Ion	Ratio	Lower	Upper
117	100		
119	98.8	78.5	117.7

Manual Integrations
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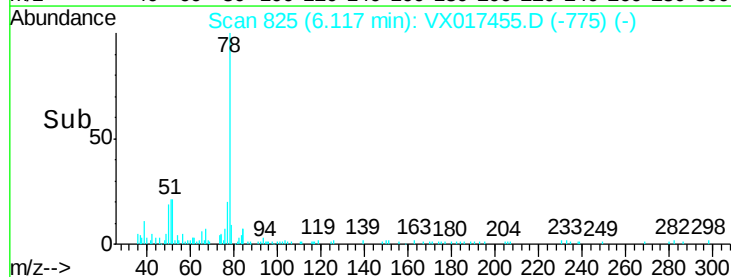
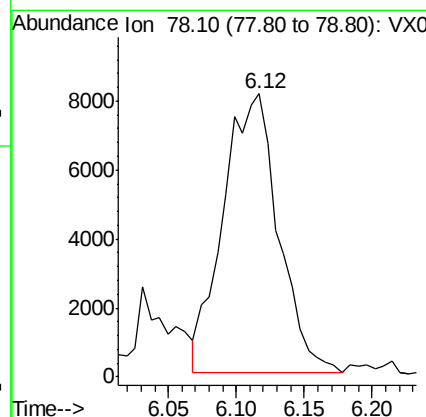
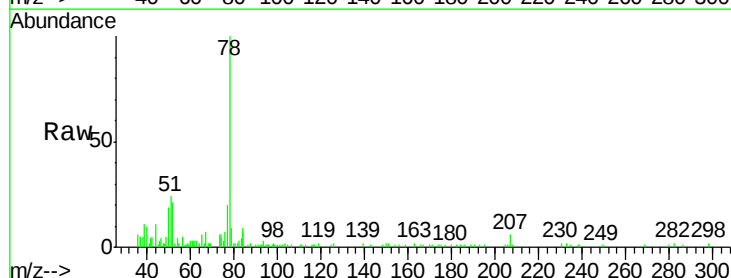
MMDadoda
7/22/2020 9:10:54 AM

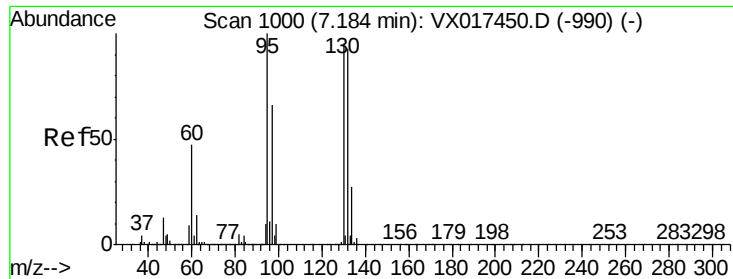


#33

Benzene
Concen: 0.198 ug/L
RT: 6.12 min Scan# 825
Delta R.T. 0.01 min
Lab File: VX017455.D
Acq: 21 Jul 2020 15:10

Tgt Ion: 78 Resp: 22836





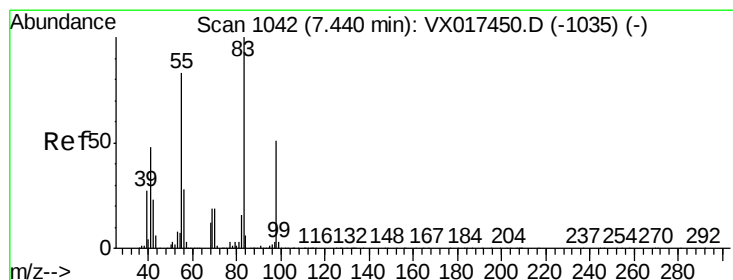
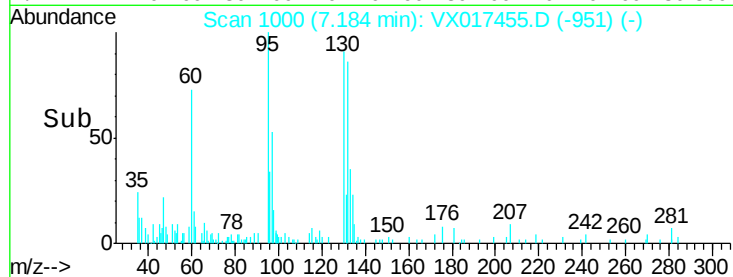
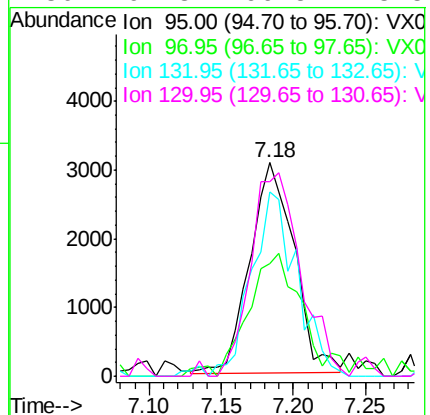
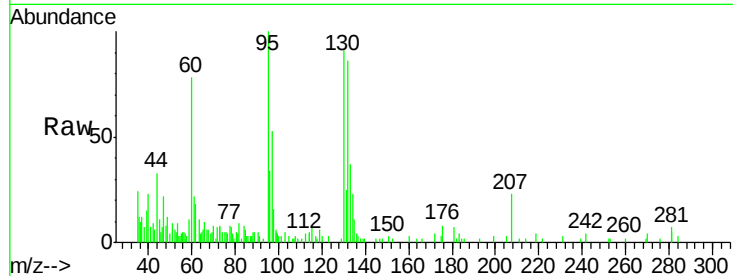
#34
 Trichloroethene
 Concen: 0.212 ug/L
 RT: 7.18 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VX017455.D
 Acq: 21 Jul 2020 15:10

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL01

Tot Ion	95	Resp:	6595
Ion	Ratio	Lower	Upper
95	100		
97	53.0	45.9	85.3
132	86.2	65.5	121.7
130	91.3	66.5	123.5

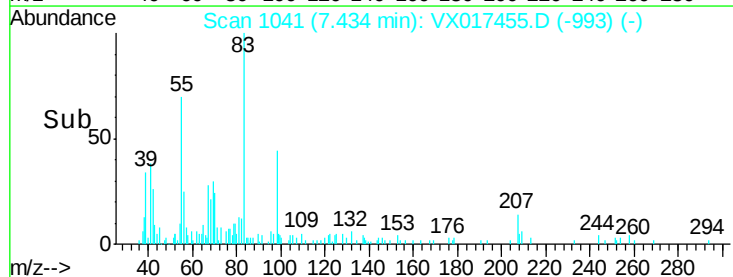
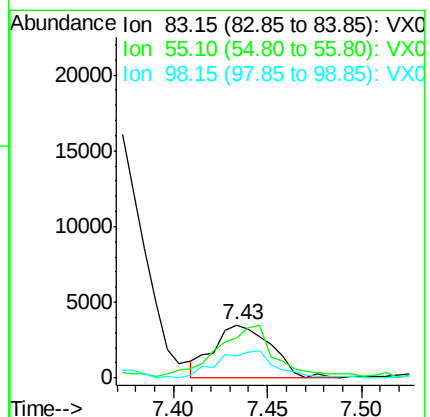
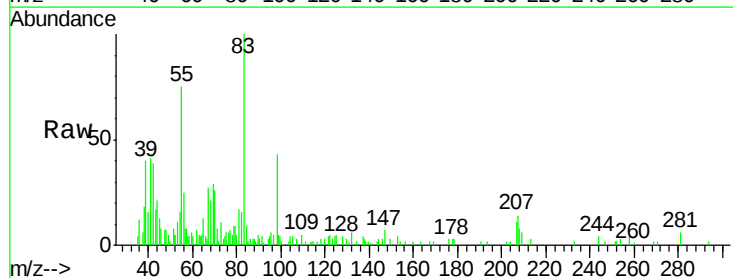
Manual Integrations
 APPROVED

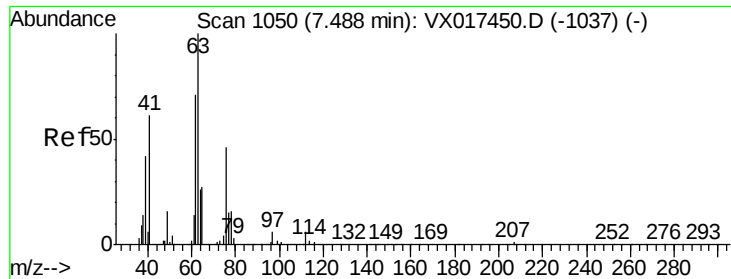
MMDadoda
 7/22/2020 9:10:54 AM



#35
 Methylcyclohexane
 Concen: 0.172 ug/L
 RT: 7.43 min Scan# 1041
 Delta R.T. -0.01 min
 Lab File: VX017455.D
 Acq: 21 Jul 2020 15:10

Tgt Ion	83	Resp:	7240
Ion	Ratio	Lower	Upper
83	100		
55	95.3	65.4	98.2
98	54.3	39.8	59.8





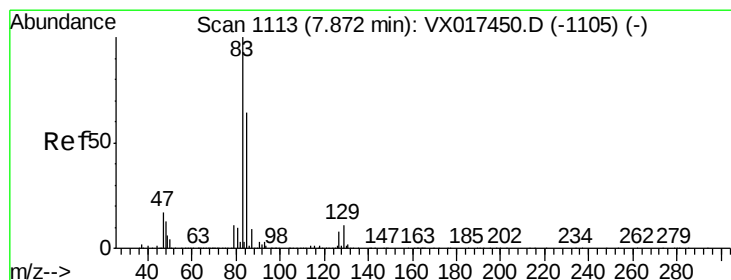
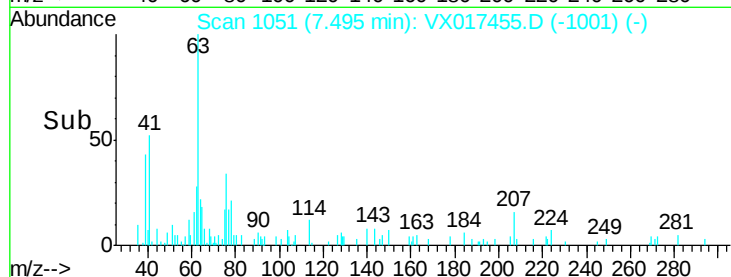
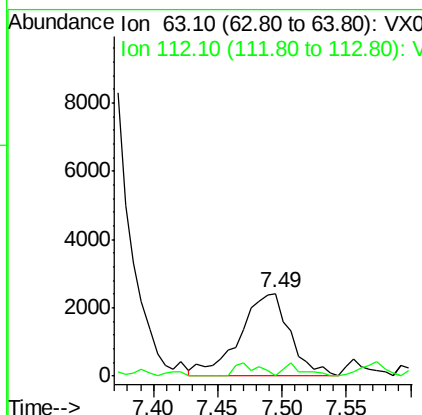
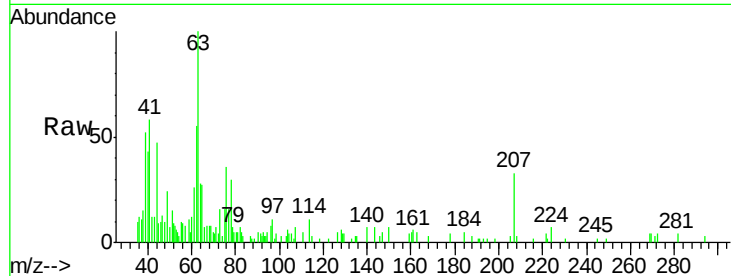
#37
 1,2-Dichloropropane
 Concen: 0.226 ug/L
 RT: 7.49 min Scan# 1051
 Delta R.T. 0.01 min
 Lab File: VX017455.D
 Acq: 21 Jul 2020 15:10

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL01

Tot Ion: 63 Resp: 6548
 Ion Ratio Lower Upper
 63 100
 112 5.8 3.8 5.8#

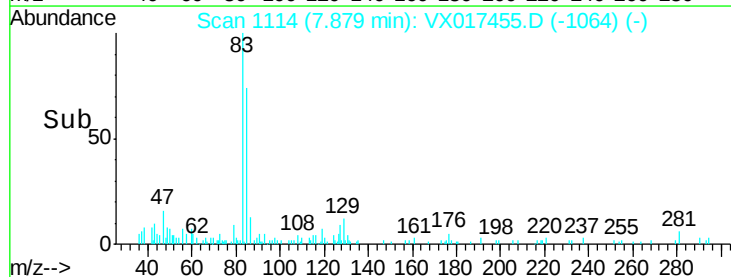
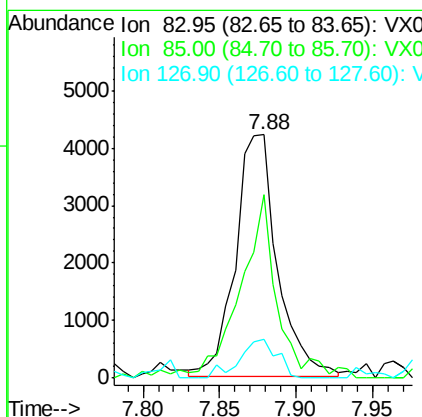
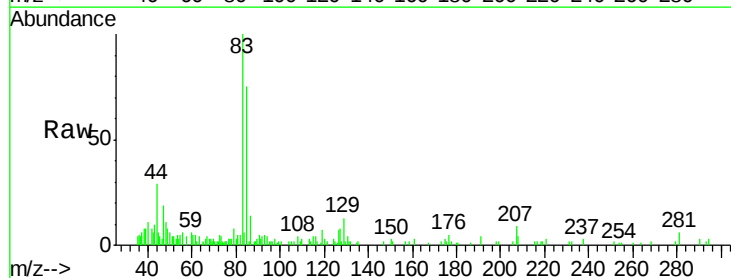
Manual Integrations
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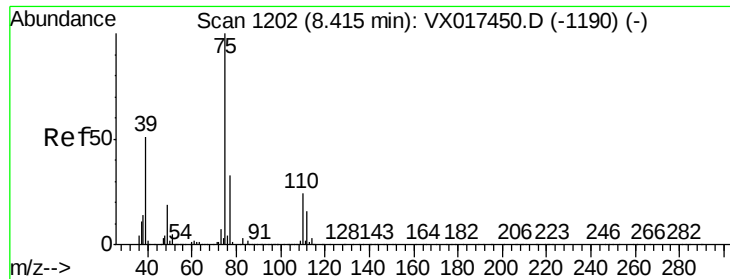
MMDadoda
 7/22/2020 9:10:54 AM



#38
 Bromodichloromethane
 Concen: 0.206 ug/L
 RT: 7.88 min Scan# 1114
 Delta R.T. 0.01 min
 Lab File: VX017455.D
 Acq: 21 Jul 2020 15:10

Tgt Ion: 83 Resp: 8016
 Ion Ratio Lower Upper
 83 100
 85 75.5 44.7 83.1
 127 15.9 6.3 9.5#





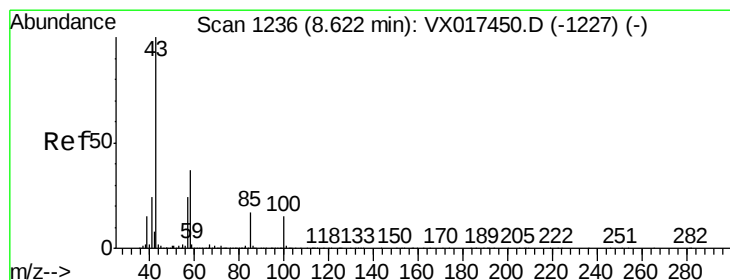
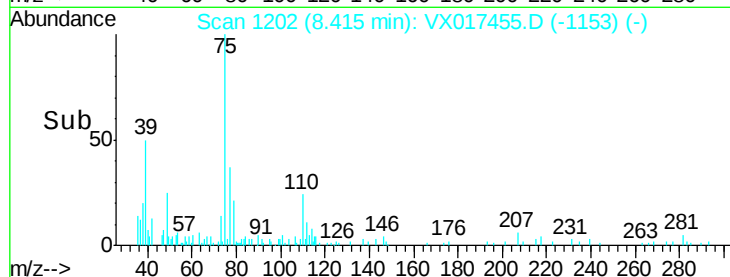
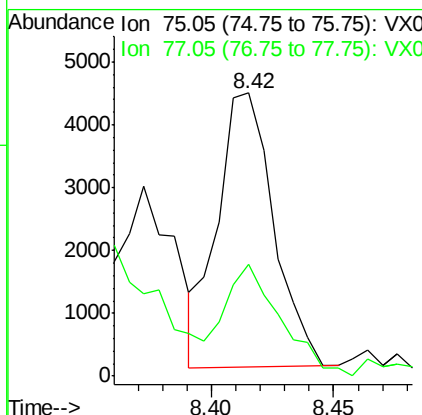
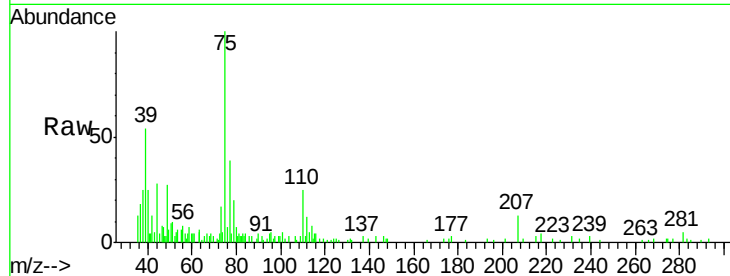
#39
 cis-1,3-Dichloropropene
 Concen: 0.167 ug/L
 RT: 8.42 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: VX017455.D
 Acq: 21 Jul 2020 15:10

Instrument :
 MSVOA_X
 ClientSampled :
 MDL01

Tot Ion: 75 Resp: 6981
 Ion Ratio Lower Upper
 75 100
 77 39.4 23.1 42.9

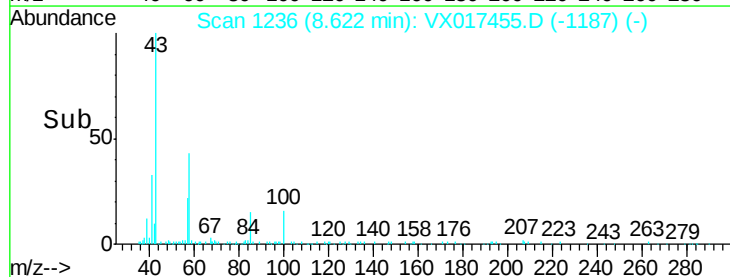
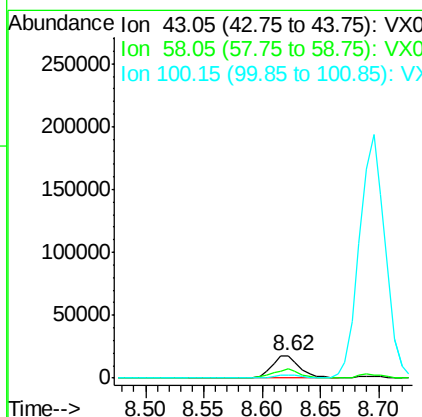
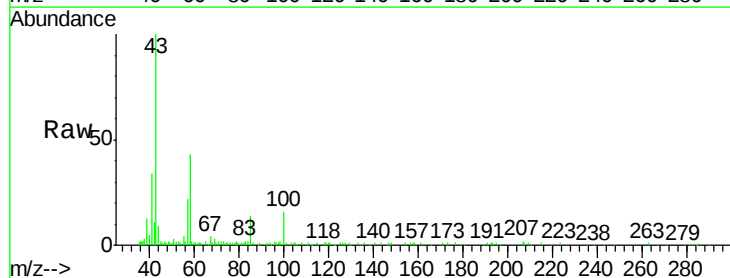
Manual Integrations
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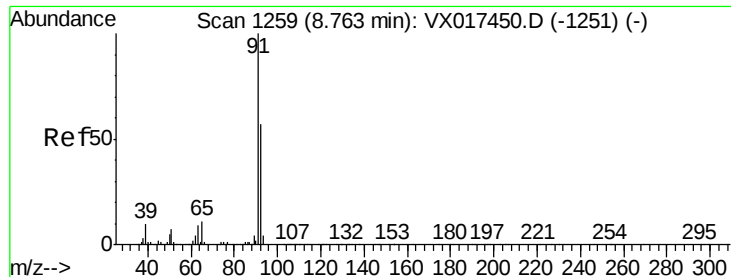
MMDadoda
 7/22/2020 9:10:54 AM



#40
 4-Methyl-2-pentanone
 Concen: 1.735 ug/L
 RT: 8.62 min Scan# 1236
 Delta R.T. 0.00 min
 Lab File: VX017455.D
 Acq: 21 Jul 2020 15:10

Tgt Ion: 43 Resp: 29446
 Ion Ratio Lower Upper
 43 100
 58 39.4 30.1 45.1
 100 0.0 6.5 9.7#





#42

Toluene

Concen: 0.194 ug/L

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX017455.D

Acq: 21 Jul 2020 15:10

Instrument :

MSVOA_X

ClientSampleId :

MDL01

Tot Ion: 91 Resp: 22492

Ion Ratio Lower Upper

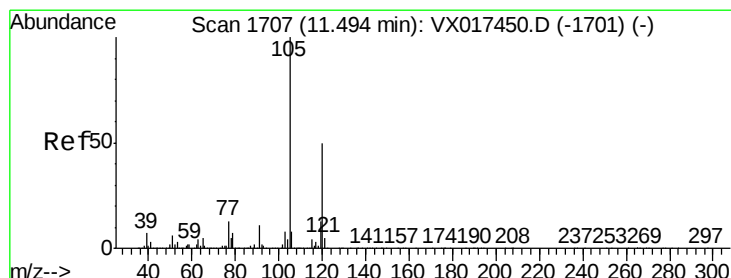
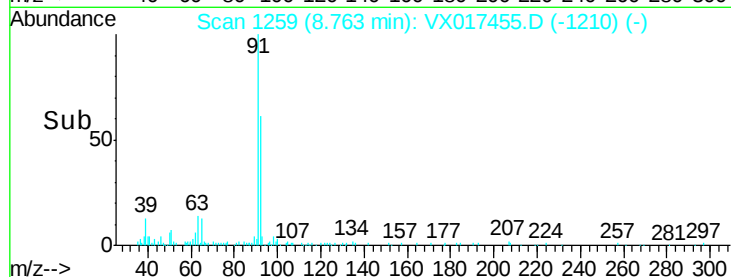
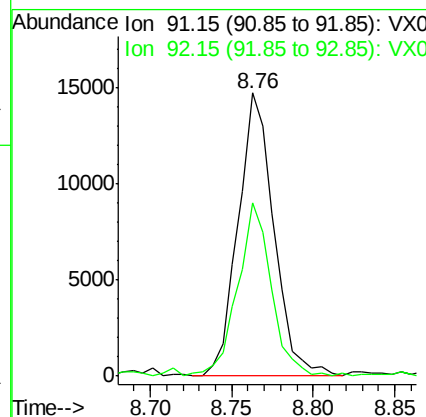
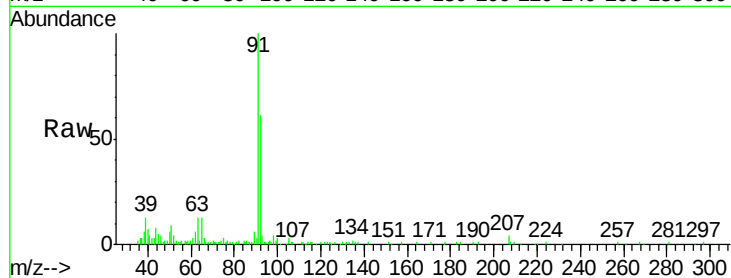
91 100

92 61.2 39.9 74.1

Manual Integrations
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MMDadoda

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#43

1,3,5-Trimethylbenzene

Concen: 0.149 ug/L

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX017455.D

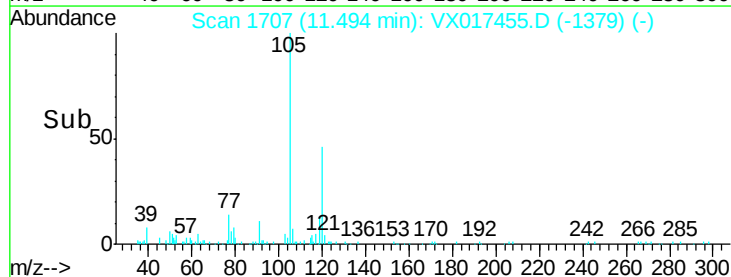
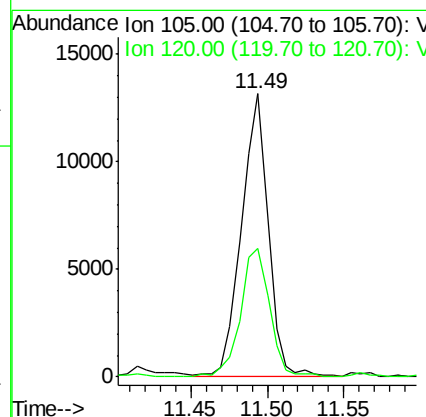
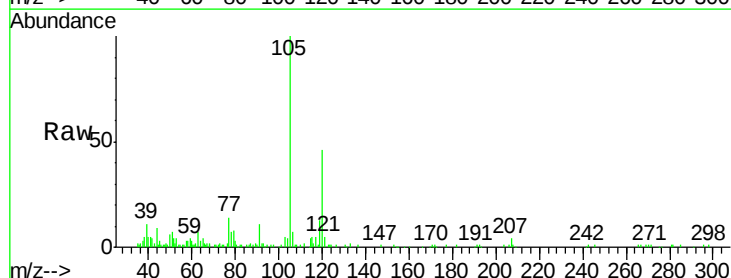
Acq: 21 Jul 2020 15:10

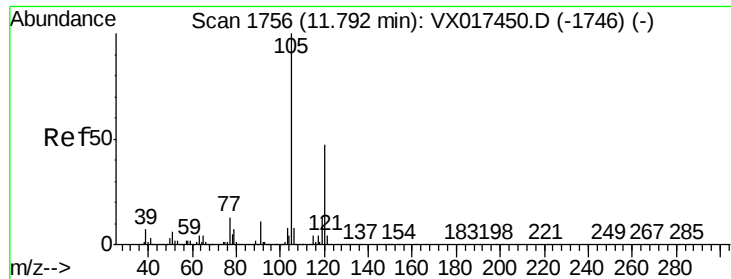
Tgt Ion: 105 Resp: 16052

Ion Ratio Lower Upper

105 100

120 49.6 38.2 57.2





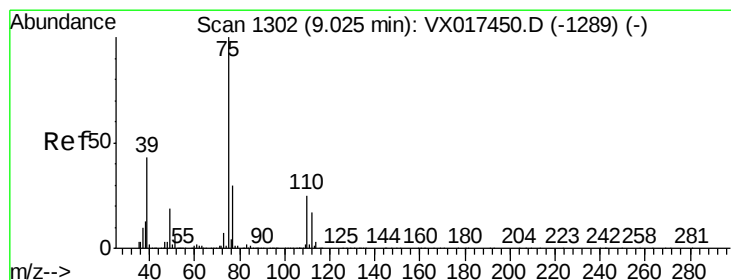
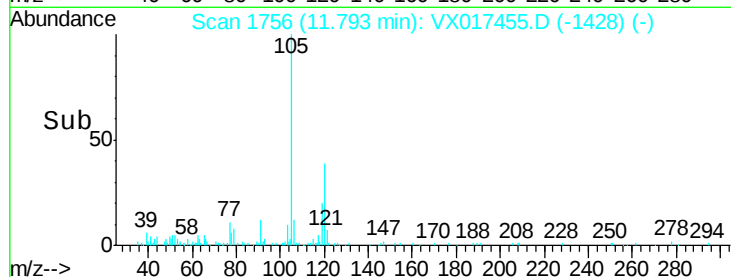
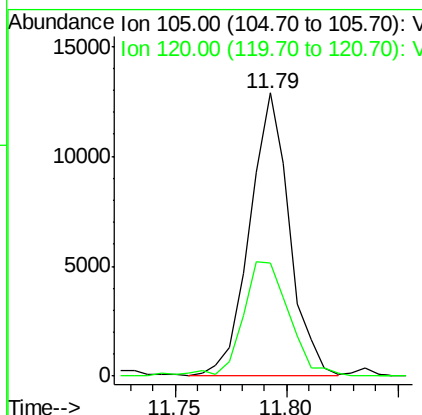
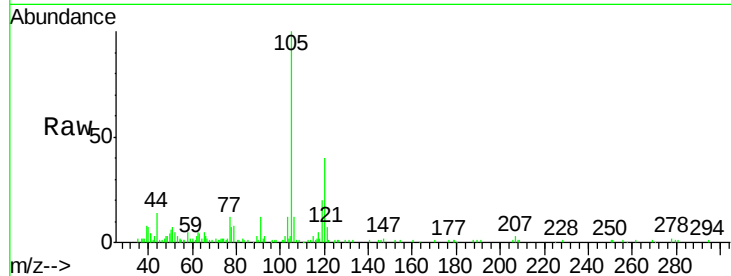
#44
 1,2,4-Trimethylbenzene
 Concen: 0.150 ug/L
 RT: 11.79 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VX017455.D
 Acq: 21 Jul 2020 15:10

Instrument :
 MSVOA_X
 ClientSampled :
 MDL01

Tot Ion	Ratio	Lower	Upper
105	100		
120	47.2	36.5	54.7

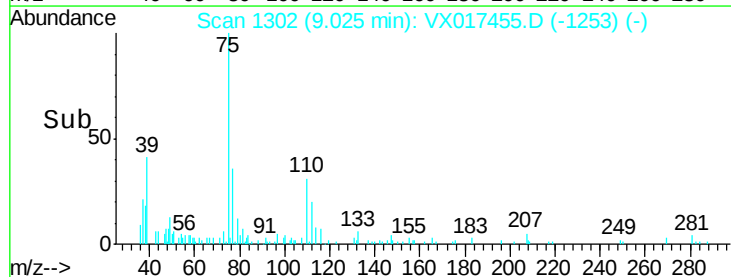
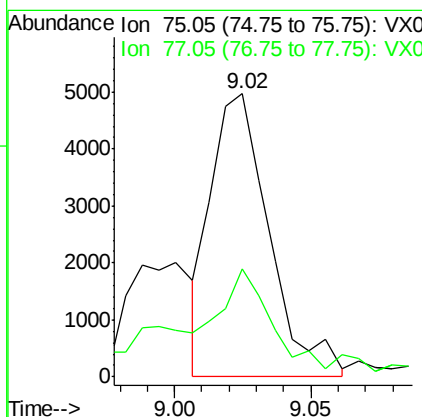
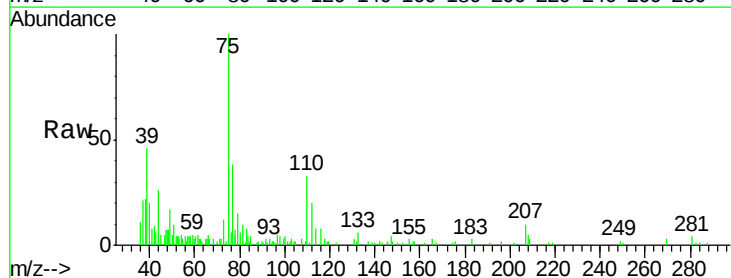
Manual Integrations
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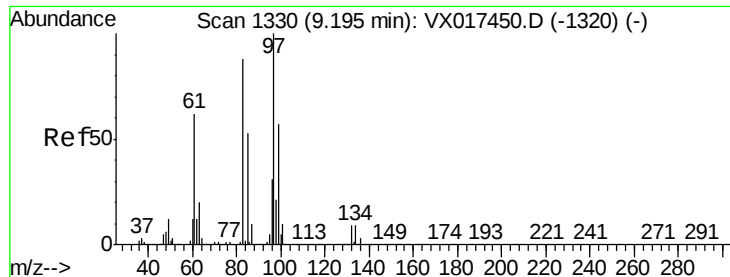
MMDadoda
 7/22/2020 9:10:54 AM



#46
 trans-1,3-Dichloropropene
 Concen: 0.204 ug/L m
 RT: 9.02 min Scan# 1302
 Delta R.T. 0.00 min
 Lab File: VX017455.D
 Acq: 21 Jul 2020 15:10

Tgt Ion	Ratio	Lower	Upper
75	100		
77	38.3	21.4	39.8





#47

1,1,2-Trichloroethane

Concen: 0.222 ug/L

RT: 9.20 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VX017455.D

Acq: 21 Jul 2020 15:10

Instrument :

MSVOA_X

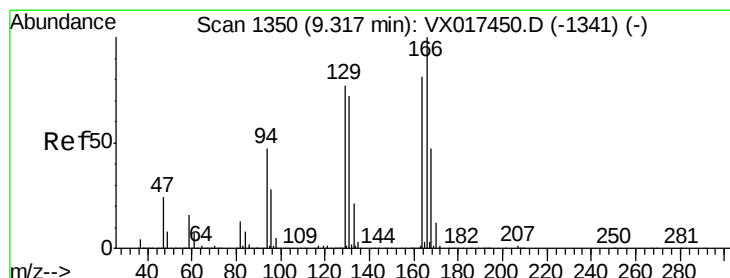
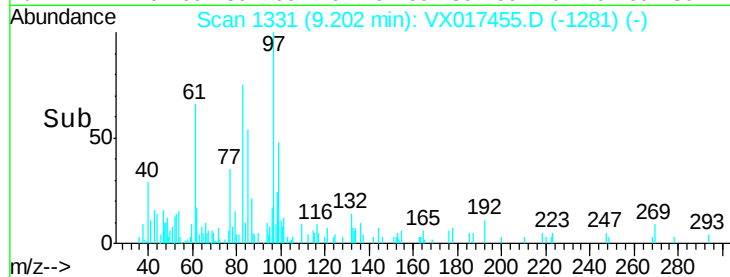
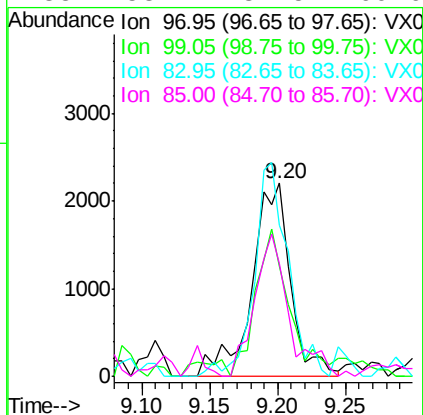
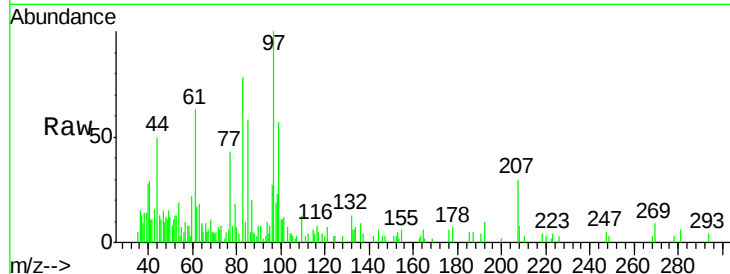
ClientSampleId :

MDL01

Tot Ion:	97	Resp:	4407
Ion	Ratio	Lower	Upper
97	100		
99	57.3	40.2	74.6
83	78.4	61.6	114.4
85	58.4	37.5	69.6

Manual Integrations
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MMDadoda
7/22/2020 9:10:54 AM



#49

Tetrachloroethene

Concen: 0.187 ug/L

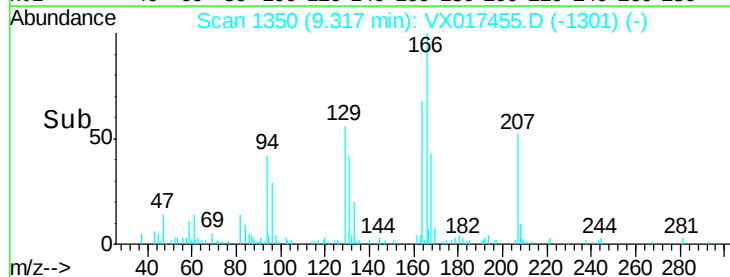
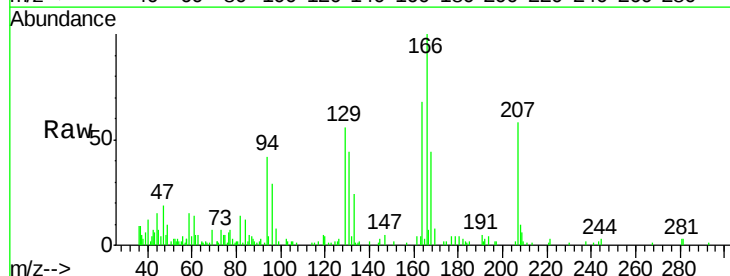
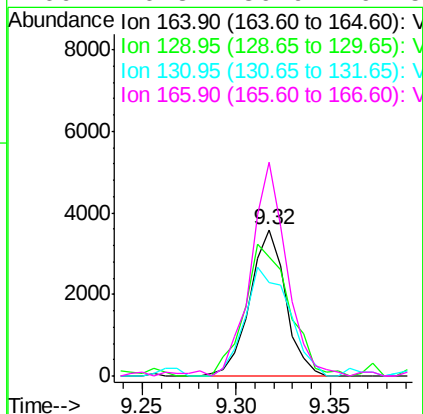
RT: 9.32 min Scan# 1350

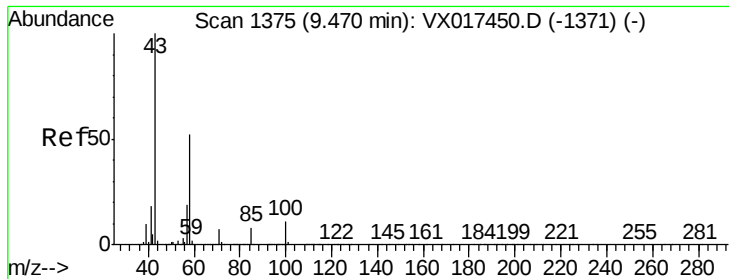
Delta R.T. 0.00 min

Lab File: VX017455.D

Acq: 21 Jul 2020 15:10

Tgt Ion:	164	Resp:	4740
Ion	Ratio	Lower	Upper
164	100		
129	81.9	66.6	123.8
131	64.3	62.6	116.2
166	146.3	86.9	161.5





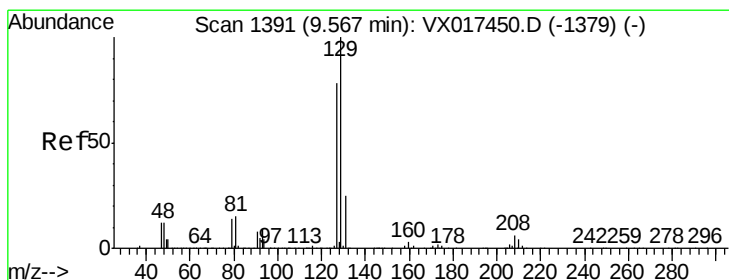
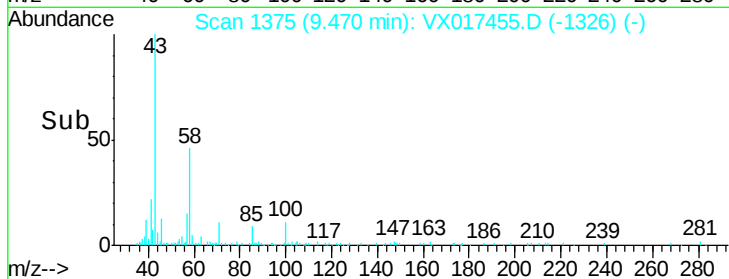
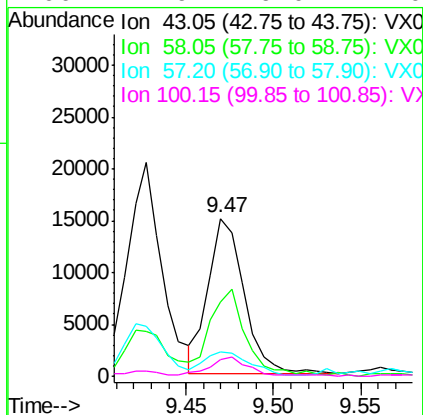
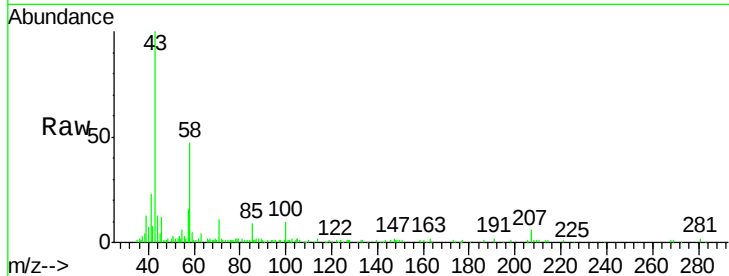
#50
2-Hexanone
Concen: 1.739 ug/L
RT: 9.47 min Scan# 1375
Delta R.T. 0.00 min
Lab File: VX017455.D
Acq: 21 Jul 2020 15:10

Instrument :
MSVOA_X
ClientSampleId :
MDL01

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.1	41.4	62.0
57	18.9	26.9	40.3#
100	11.9	16.0	24.0#

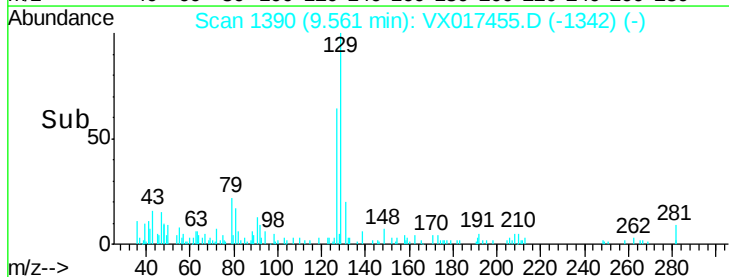
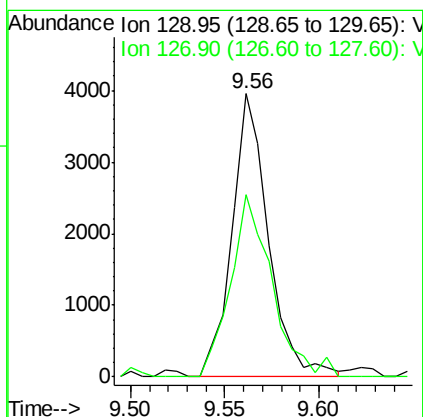
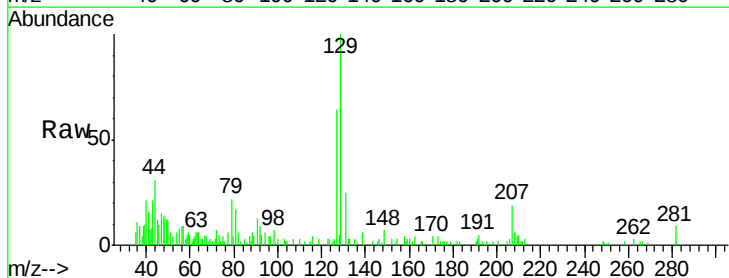
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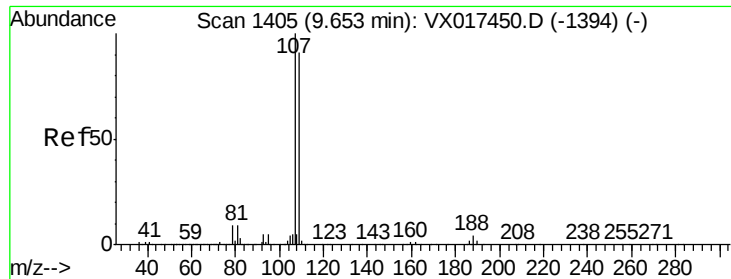
MMDadoda
7/22/2020 9:10:54 AM



#51
Dibromochloromethane
Concen: 0.194 ug/L
RT: 9.56 min Scan# 1390
Delta R.T. -0.01 min
Lab File: VX017455.D
Acq: 21 Jul 2020 15:10

Tgt Ion	Ratio	Lower	Upper
129	100		
127	64.3	54.7	101.5





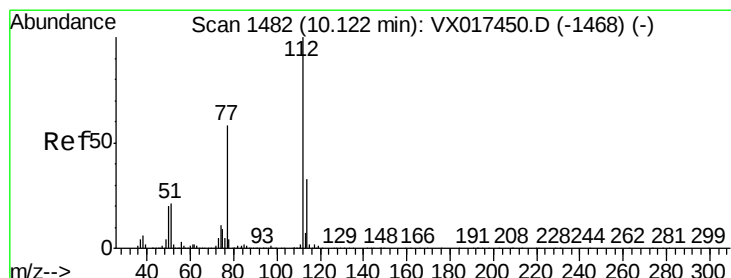
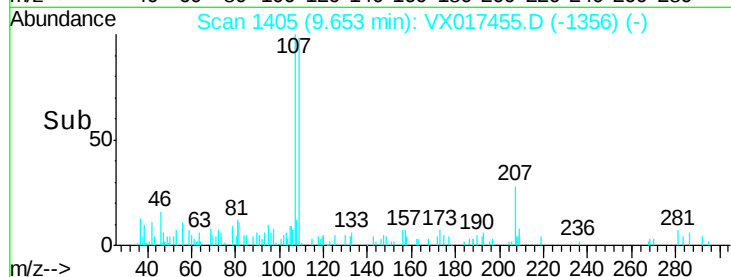
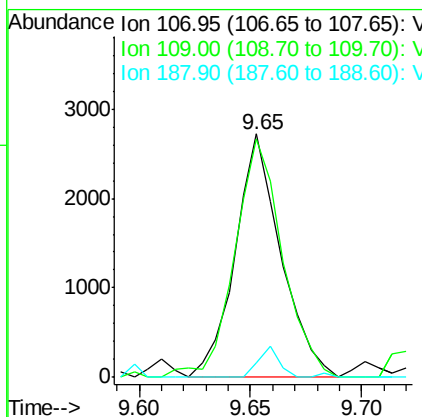
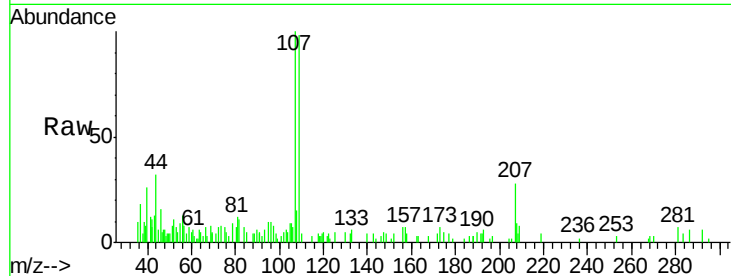
#52
1,2-Dibromoethane
Concen: 0.197 ug/L
RT: 9.65 min Scan# 1405
Delta R.T. 0.00 min
Lab File: VX017455.D
Acq: 21 Jul 2020 15:10

Instrument :
MSVOA_X
ClientSampleId :
MDL01

Tot Ion	Ratio	Resp	Lower	Upper
107	100	3887		
109	98.1	63.9	118.7	
188	5.9	3.0	4.4#	

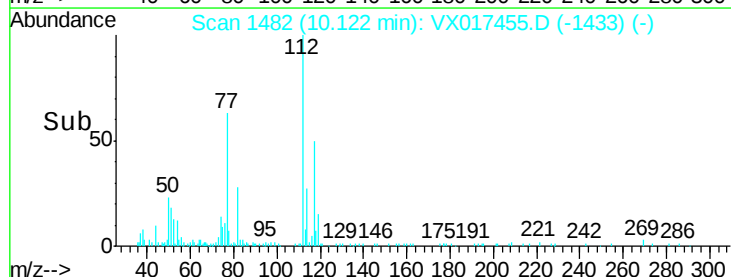
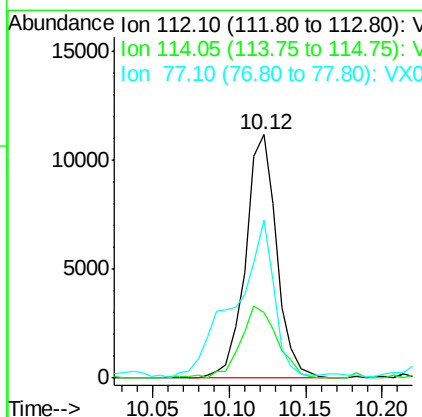
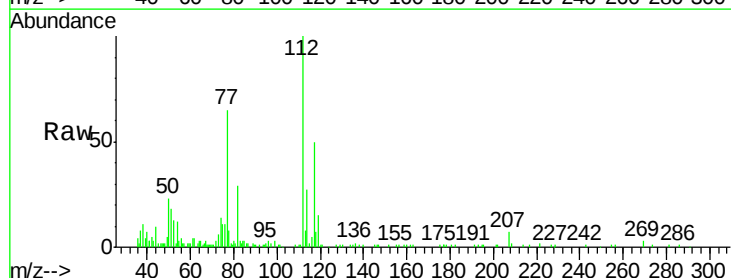
Manual Integrations
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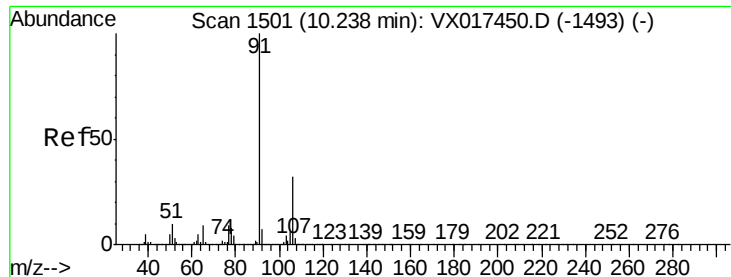
MMDadoda
7/22/2020 9:10:54 AM



#53
Chlorobenzene
Concen: 0.200 ug/L
RT: 10.12 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VX017455.D
Acq: 21 Jul 2020 15:10

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	15722		
114	27.0	23.1	42.9	
77	65.1	46.2	69.2	





#54

Ethylbenzene

Concen: 0.178 ug/L

RT: 10.23 min Scan# 1500

Delta R.T. -0.01 min

Lab File: VX017455.D

Acq: 21 Jul 2020 15:10

Instrument :

MSVOA_X

ClientSampleId :

MDL01

Tot Ion: 91 Resp: 22302

Ion Ratio Lower Upper

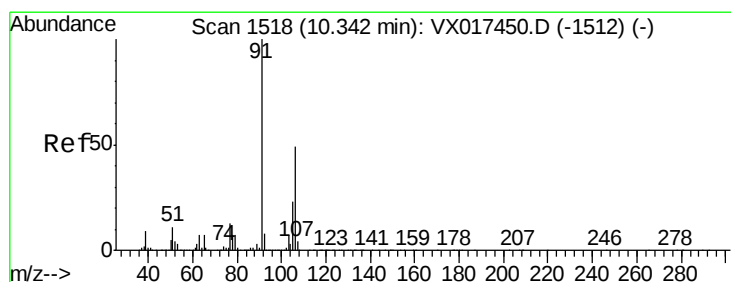
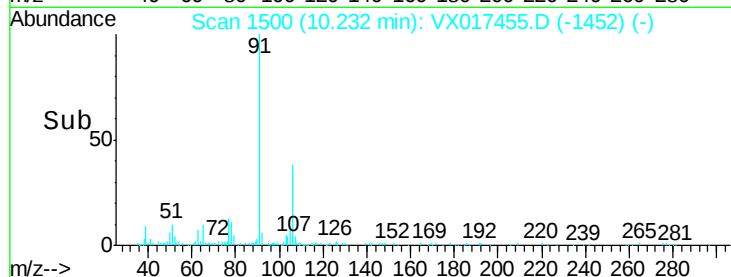
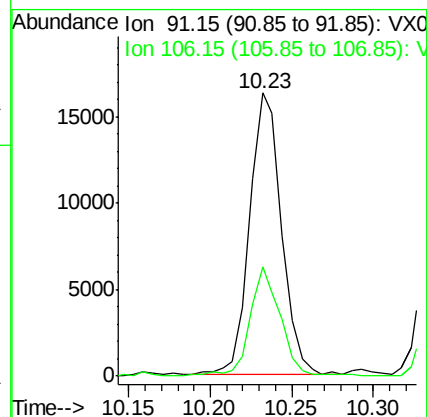
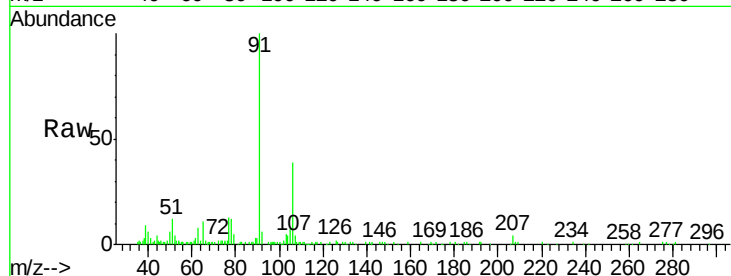
91 100

106 38.6 22.5 41.7

Manual Integrations
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#55

m,p-xylene

Concen: 0.178 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX017455.D

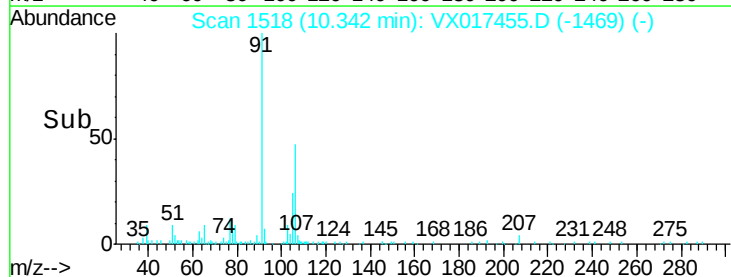
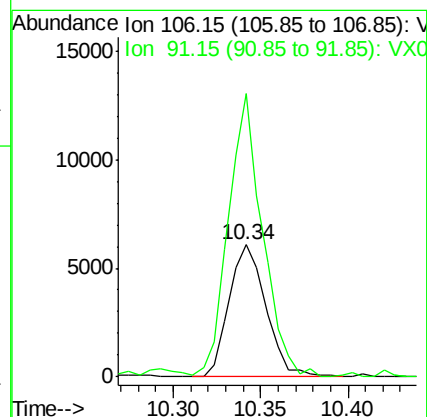
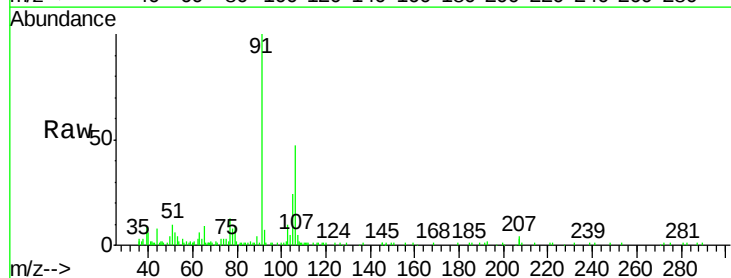
Acq: 21 Jul 2020 15:10

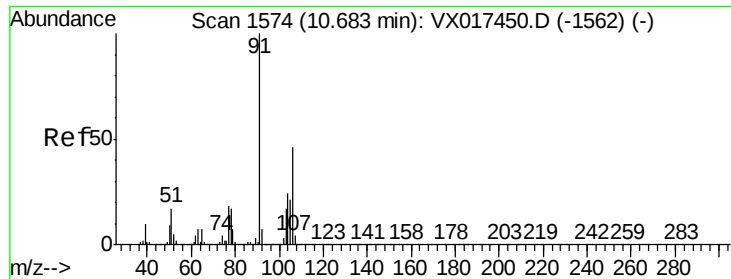
Tgt Ion: 106 Resp: 8932

Ion Ratio Lower Upper

106 100

91 214.8 142.7 264.9





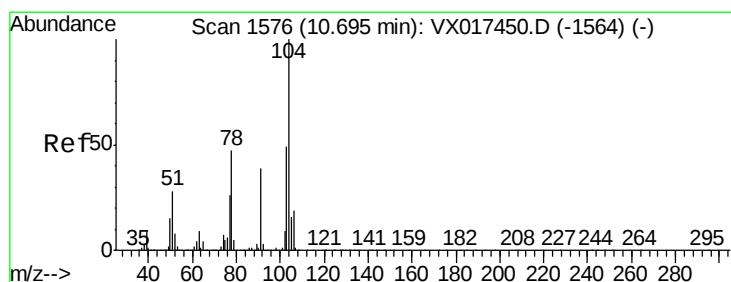
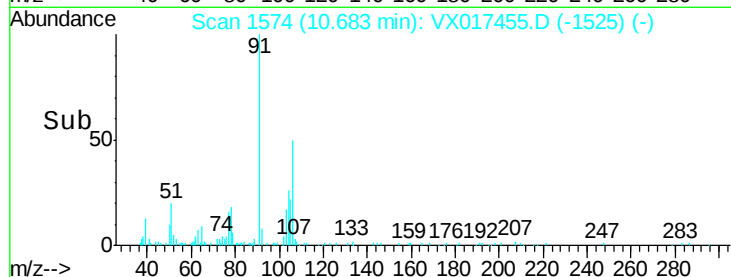
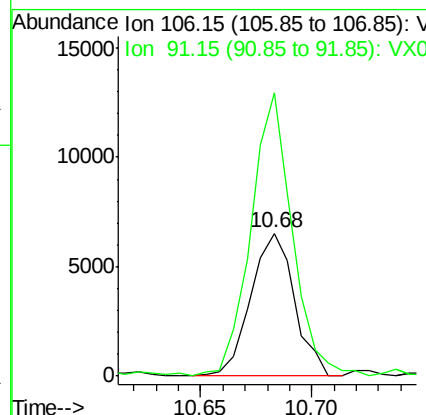
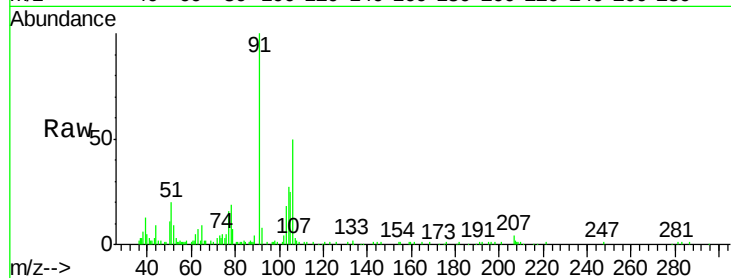
#56
o-xylene
Concen: 0.184 ug/L
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX017455.D
Acq: 21 Jul 2020 15:10

Instrument :
MSVOA_X
ClientSampleId :
MDL01

Tot Ion	Ratio	Lower	Upper
106	100		
91	198.1	153.4	284.8

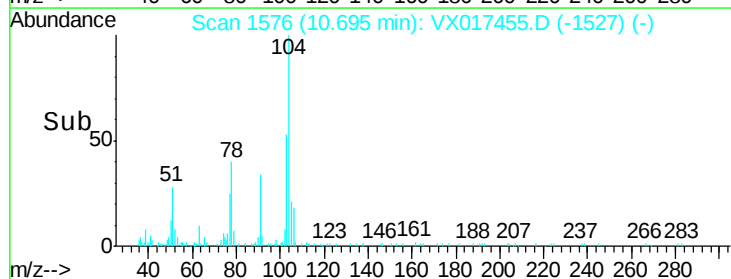
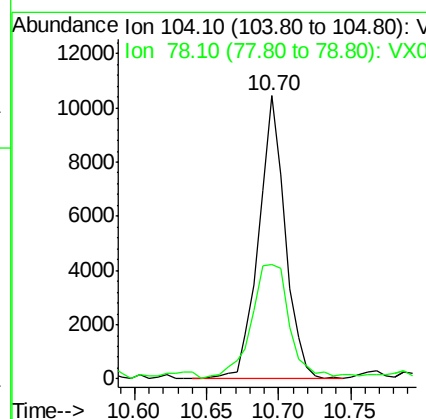
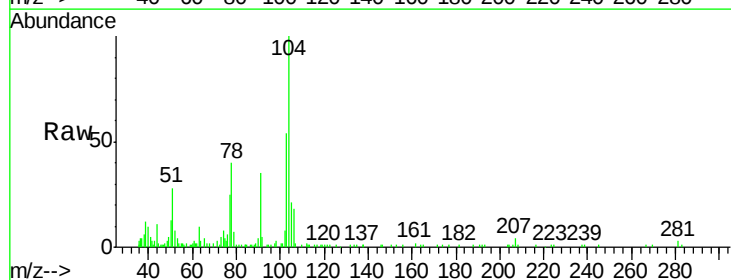
Manual Integrations
APPROVED

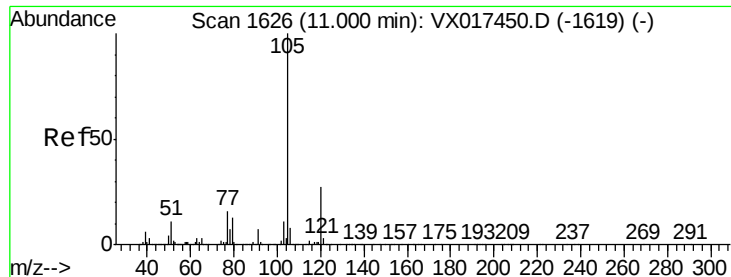
MMDadoda
7/22/2020 9:10:54 AM



#57
Styrene
Concen: 0.163 ug/L
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX017455.D
Acq: 21 Jul 2020 15:10

Tgt Ion	Ratio	Lower	Upper
104	100		
78	40.3	32.6	60.6





#58

Isopropylbenzene

Concen: 0.159 ug/L

RT: 11.01 min Scan# 1627

Delta R.T. 0.01 min

Lab File: VX017455.D

Acq: 21 Jul 2020 15:10

Instrument :

MSVOA_X

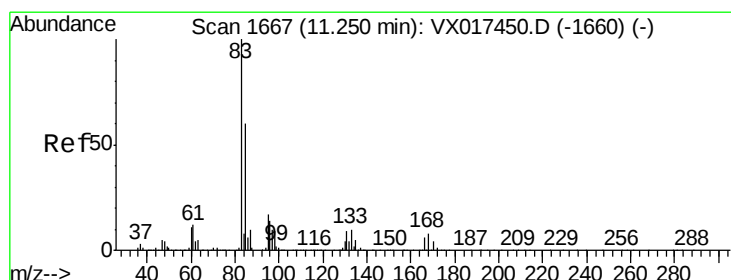
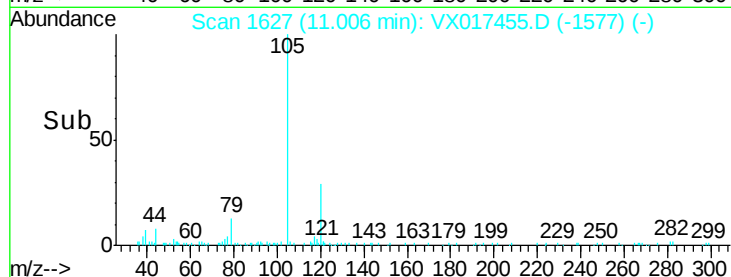
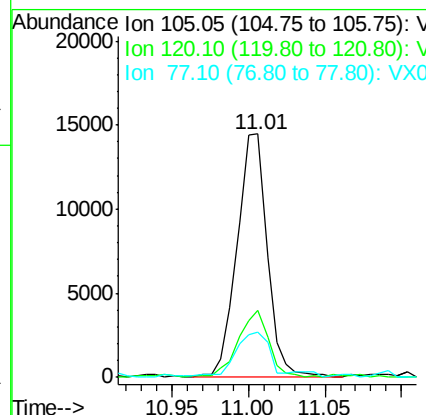
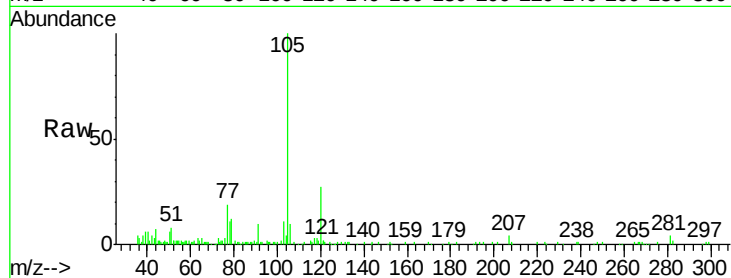
ClientSampleId :

MDL01

Tot Ion:	105	Resp:	20002
Ion Ratio	Lower	Upper	
105	100		
120	27.7	21.4	32.2
77	19.3	13.0	19.6

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#60

1,1,2,2-Tetrachloroethane

Concen: 0.203 ug/L

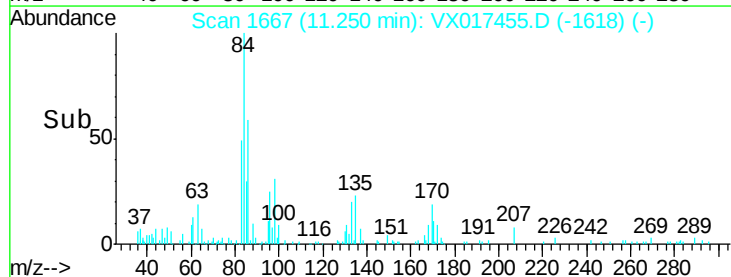
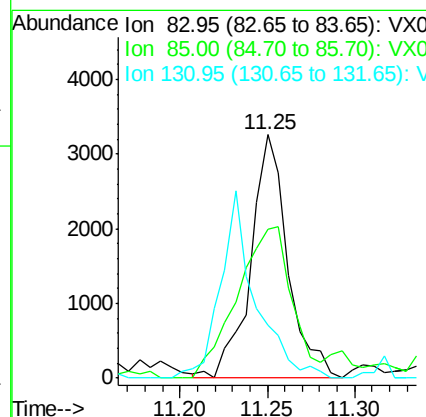
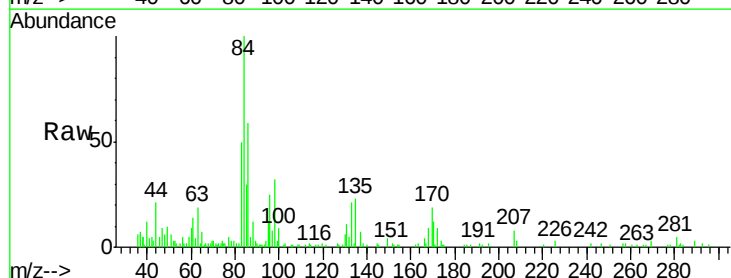
RT: 11.25 min Scan# 1667

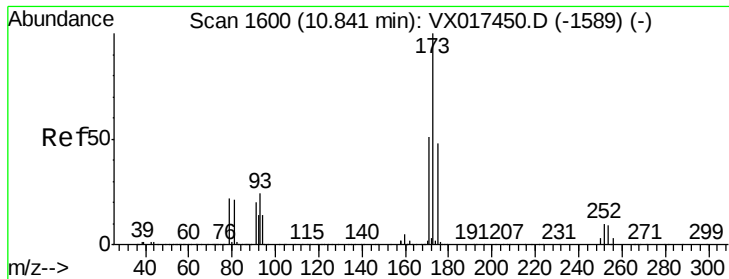
Delta R.T. 0.00 min

Lab File: VX017455.D

Acq: 21 Jul 2020 15:10

Tgt Ion:	83	Resp:	4807
Ion Ratio	Lower	Upper	
83	100		
85	61.3	42.1	78.1
131	21.6	7.7	11.5





#62

Bromoform

Concen: 0.212 ug/L

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX017455.D

Acq: 21 Jul 2020 15:10

Instrument :

MSVOA_X

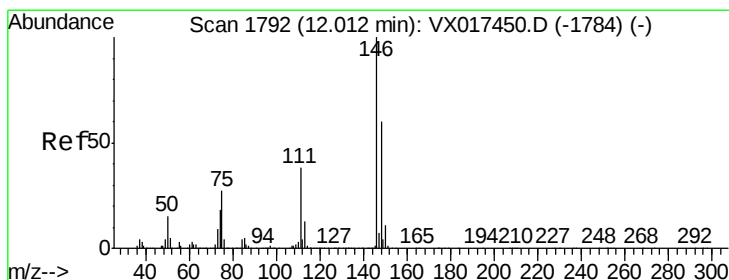
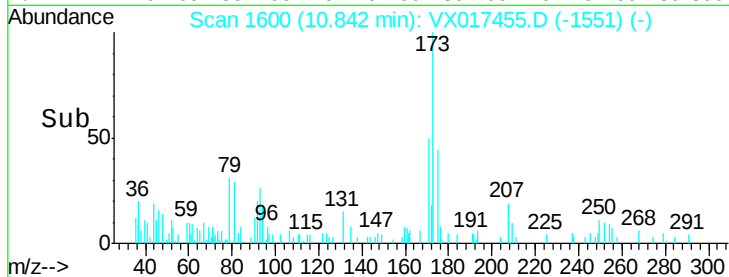
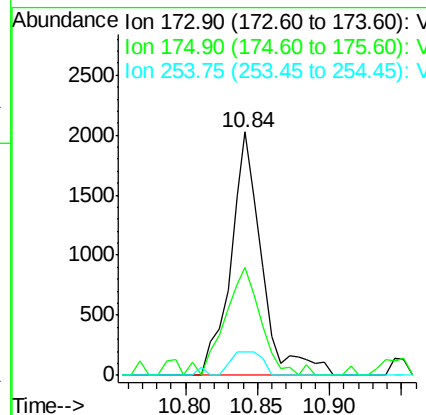
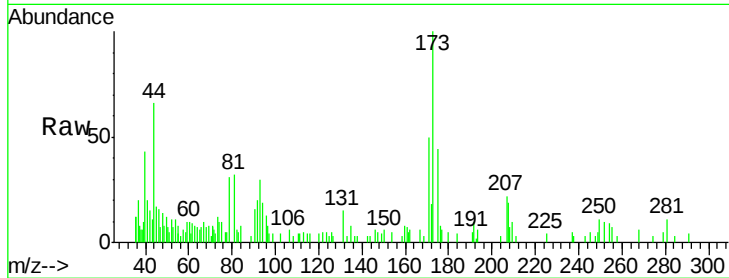
ClientSampled :

MDL01

Tot Ion:	173	Resp:	3056
Ion Ratio	Lower	Upper	
173	100		
175	50.9	38.4	57.6
254	9.9	7.4	11.2

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#63

1,3-Dichlorobenzene

Concen: 0.214 ug/L

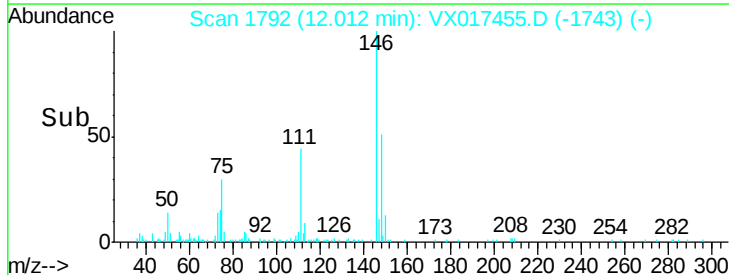
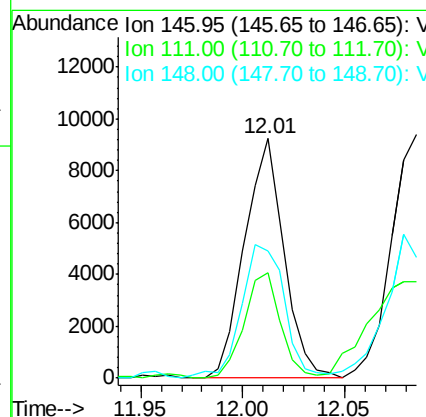
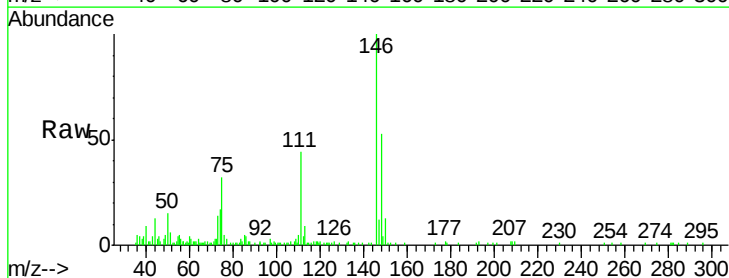
RT: 12.01 min Scan# 1792

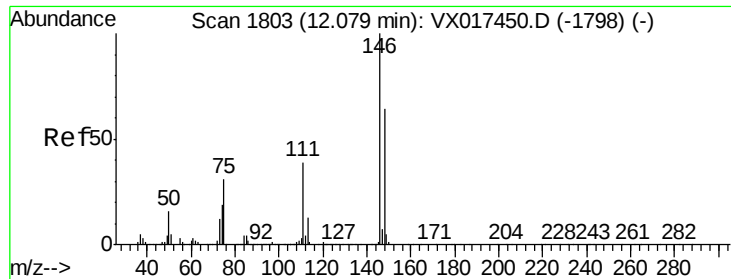
Delta R.T. 0.00 min

Lab File: VX017455.D

Acq: 21 Jul 2020 15:10

Tgt Ion:	146	Resp:	12407
Ion Ratio	Lower	Upper	
146	100		
111	44.2	26.8	49.8
148	53.1	42.1	78.3





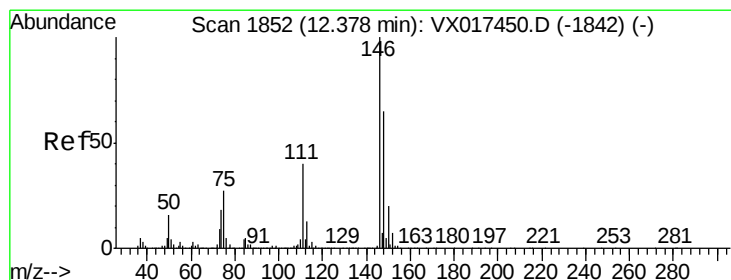
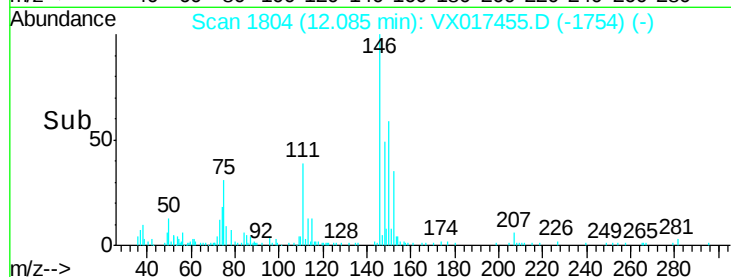
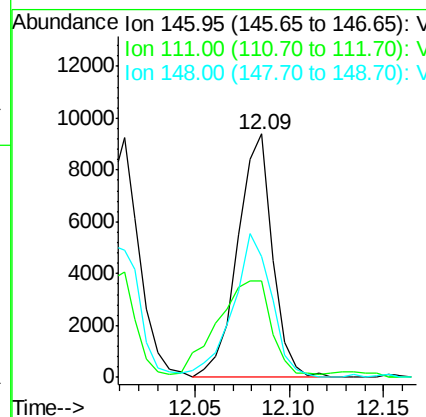
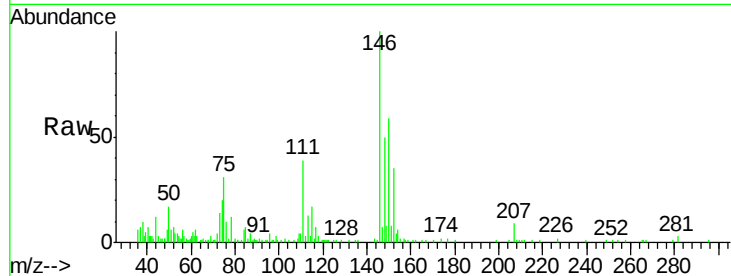
#64
 1,4-Dichlorobenzene
 Concen: 0.212 ug/L
 RT: 12.09 min Scan# 1804
 Delta R.T. 0.01 min
 Lab File: VX017455.D
 Acq: 21 Jul 2020 15:10

Instrument :
 MSVOA_X
 ClientSampled :
 MDL01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	27.7	51.5
148	49.5	44.9	83.5

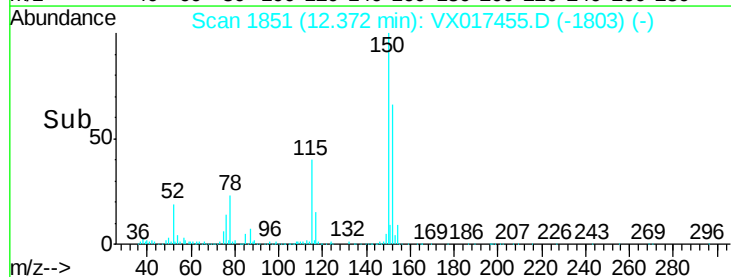
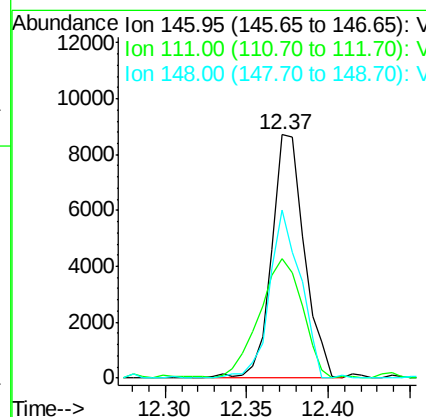
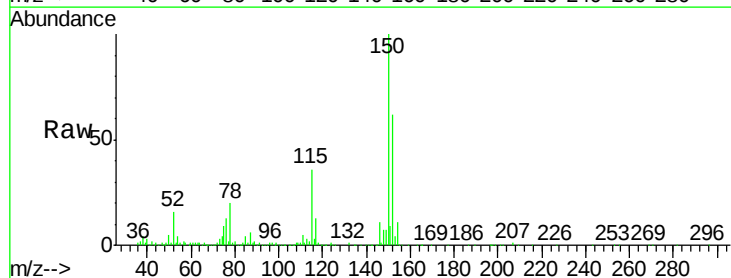
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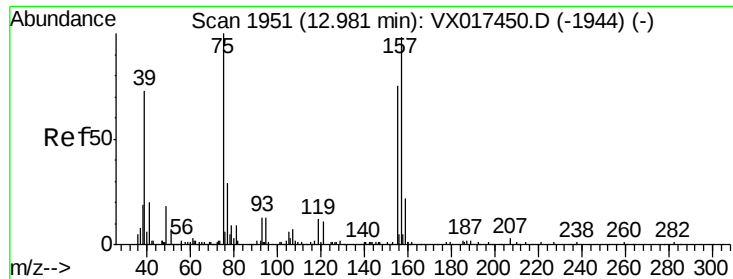
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#66
 1,2-Dichlorobenzene
 Concen: 0.224 ug/L
 RT: 12.37 min Scan# 1851
 Delta R.T. -0.01 min
 Lab File: VX017455.D
 Acq: 21 Jul 2020 15:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	49.3	31.8	47.6#
148	68.8	51.8	77.8





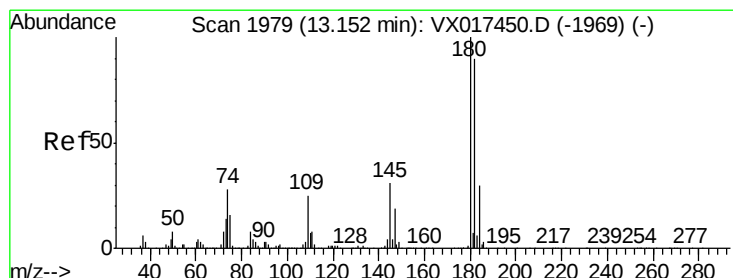
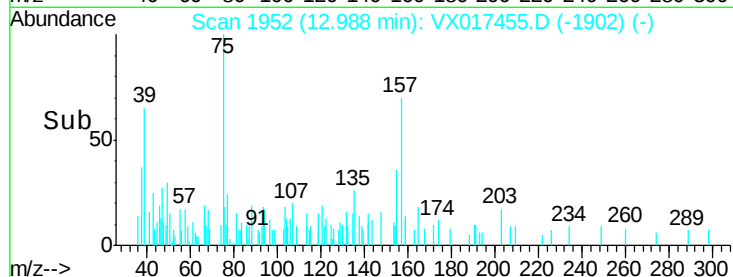
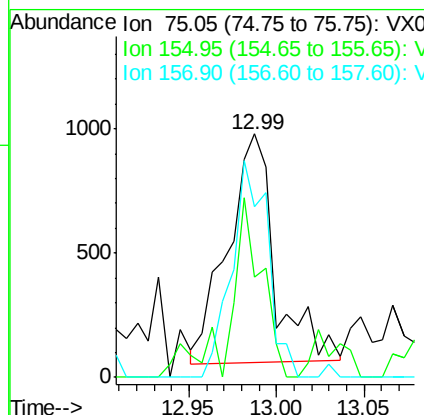
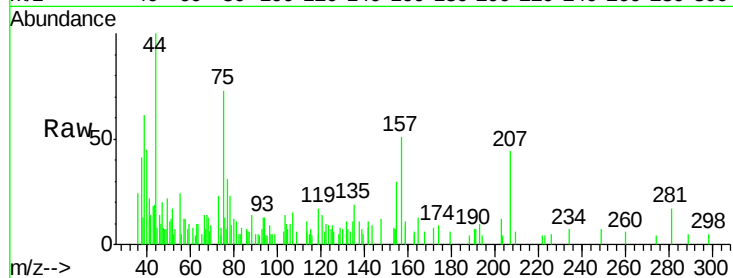
#67
 1,2-Dibromo-3-chloropropane
 Concen: 0.369 ug/L
 RT: 12.99 min Scan# 1952
 Delta R.T. 0.01 min
 Lab File: VX017455.D
 Acq: 21 Jul 2020 15:10

Instrument :
 MSVOA_X
 ClientSampled :
 MDL01

Tot Ion	Ratio	Lower	Upper
75	100		
155	41.2	59.6	89.4#
157	70.2	78.7	118.1#

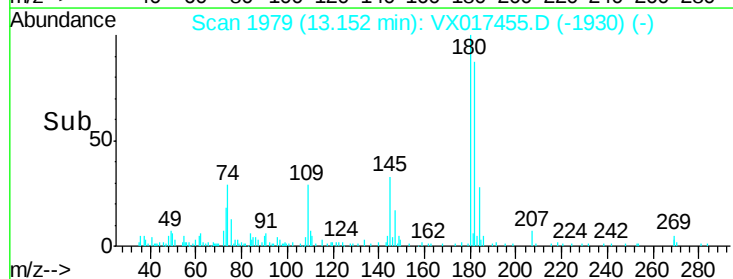
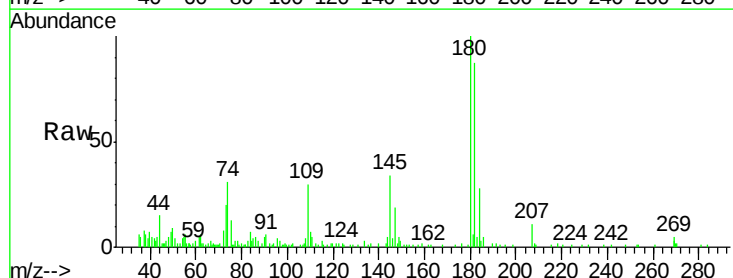
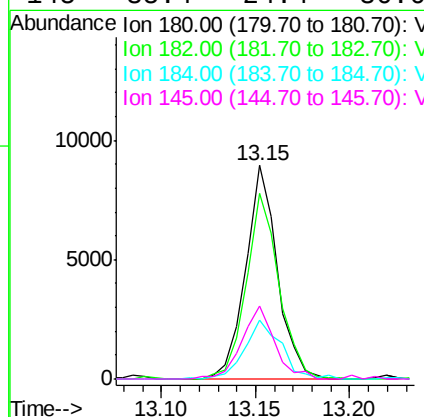
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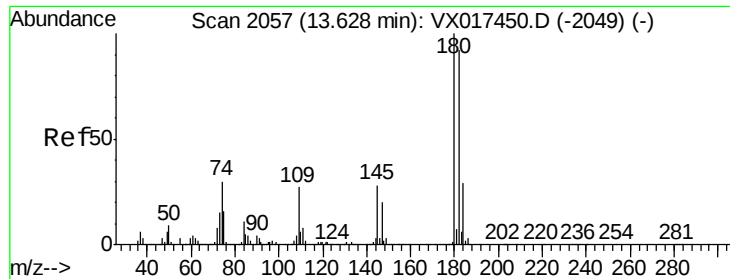
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#68
 1,3,5-Trichlorobenzene
 Concen: 0.214 ug/L
 RT: 13.15 min Scan# 1979
 Delta R.T. 0.00 min
 Lab File: VX017455.D
 Acq: 21 Jul 2020 15:10

Tgt Ion	Ratio	Lower	Upper
180	100		
182	90.1	73.8	110.8
184	32.1	24.2	36.2
145	35.4	24.4	36.6





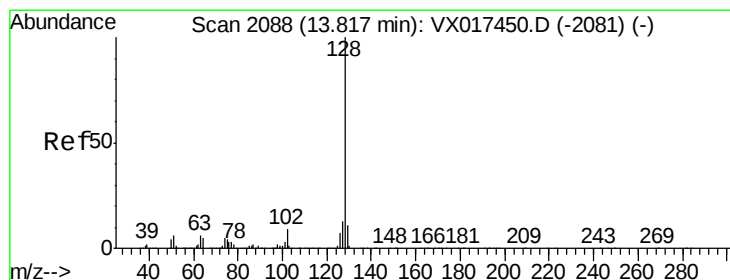
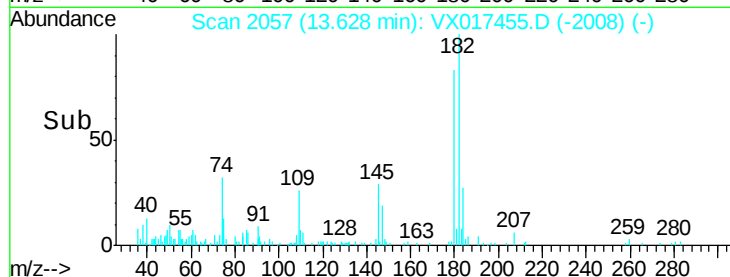
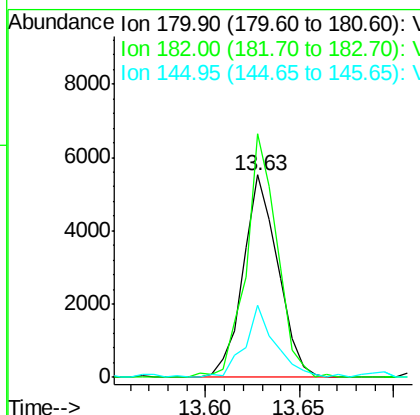
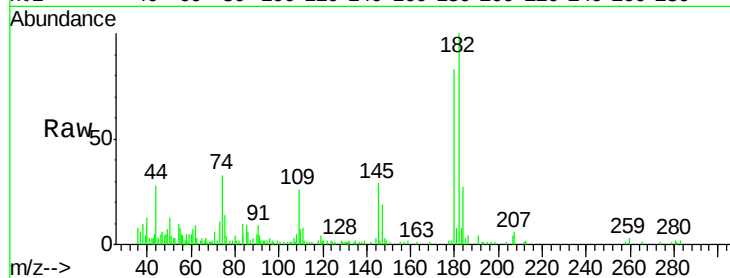
#69
1,2,4-trichlorobenzene
Concen: 0.198 ug/L
RT: 13.63 min Scan# 2057
Delta R.T. 0.00 min
Lab File: VX017455.D
Acq: 21 Jul 2020 15:10

Instrument :
MSVOA_X
ClientSampleId :
MDL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	106.8	75.3	112.9
145	31.3	24.3	36.5

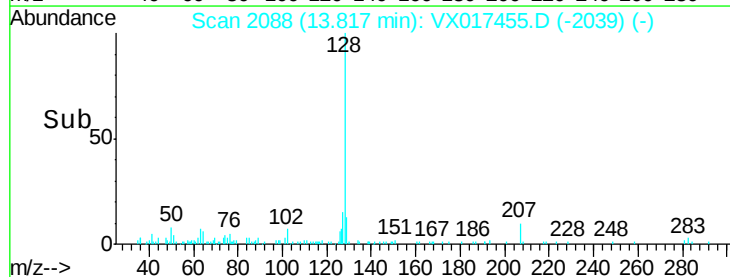
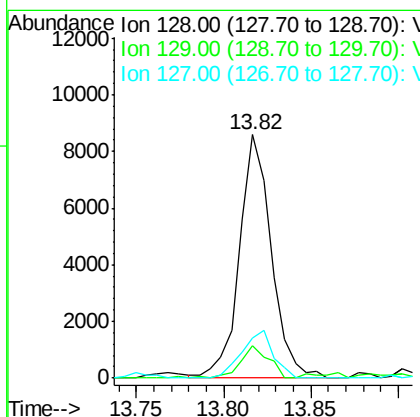
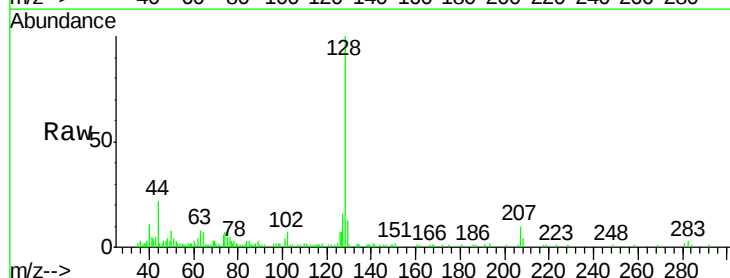
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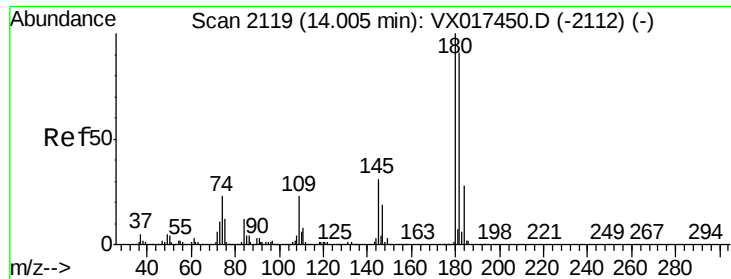
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#70
Naphthalene
Concen: 0.175 ug/L
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX017455.D
Acq: 21 Jul 2020 15:10

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.6	8.7	13.1
127	19.0	10.2	15.4





#71
 1,2,3-Trichlorobenzene
 Concen: 0.195 ug/L
 RT: 14.01 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VX017455.D
 Acq: 21 Jul 2020 15:10

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	75.3	112.9
145	42.0	26.9	40.3

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