

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072120\
 Data File : VX017457.D
 Acq On : 21 Jul 2020 16:22
 Operator : JC/SP
 Sample : MDL03
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL03

Manual Integrations
 APPROVED

MMDadoda
 7/22/2020 9:11:04 AM

Quant Time: Jul 22 06:46:18 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	368289	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	348787	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	163382	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	120765	4.21	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.20%
7) Chloroethane-d5	1.69	69	86220	4.36	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.20%
11) 1,1-Dichloroethene-d2	2.34	63	180290	3.28	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.60%
20) 2-Butanone-d5	4.53	46	244342	45.66	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.32%
24) Chloroform-d	5.14	84	217499	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.00%
26) 1,2-Dichloroethane-d4	6.03	65	118634	4.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.60%
32) Benzene-d6	6.05	84	421234	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.40%
36) 1,2-Dichloropropane-d6	7.37	67	125876	5.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.00%
41) Toluene-d8	8.70	98	378399	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.60%
45) trans-1,3-Dichloropropene-	8.99	79	51014	4.62	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.40%
48) 2-Hexanone-d5	9.43	63	184335	47.08	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.16%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	87857	4.47	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.40%
65) 1,2-Dichlorobenzene-d4	12.36	152	141436	5.12	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	10701	0.264 ug/L	90
3) Chloromethane	1.31	50	8805	0.234 ug/L	94
5) Vinyl chloride	1.39	62	8999m	0.251 ug/L	
6) Bromomethane	1.63	94	4581	0.235 ug/L	91
8) Chloroethane	1.71	64	5294	0.269 ug/L	87
9) Trichlorofluoromethane	1.92	101	12701	0.246 ug/L	94
10) 1,1,2-Trichloro-1,2,2-trif	2.36	101	8396	0.300 ug/L	87
12) 1,1-Dichloroethene	2.36	96	8047	0.309 ug/L #	1
13) Acetone	2.42	43	10652	2.467 ug/L	93
14) Carbon disulfide	2.55	76	21040	0.238 ug/L	96
15) Methyl Acetate	2.75	43	3558	0.283 ug/L #	89
16) Methylene chloride	2.83	84	14799	0.413 ug/L	90
17) Methyl tert-butyl Ether	3.17	73	13557	0.218 ug/L #	83
18) trans-1,2-Dichloroethene	3.14	96	7033	0.253 ug/L	96
19) 1,1-Dichloroethane	3.67	63	12873	0.263 ug/L #	85
21) 2-Butanone	4.65	43	16279	2.367 ug/L	96
22) cis-1,2-Dichloroethene	4.55	96	6944	0.253 ug/L	74

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

23) Bromochloromethane	4.98	128	3861	0.292	ug/L #	88
25) Chloroform	5.17	83	14244	0.278	ug/L	100
27) 1,2-Dichloroethane	6.17	62	7957	0.241	ug/L	97
29) 1,1,1-Trichloroethane	5.46	97	11916	0.254	ug/L	94
30) Cyclohexane	5.54	56	9622	0.254	ug/L #	96
31) Carbon tetrachloride	5.75	117	10860	0.257	ug/L	99
33) Benzene	6.11	78	23571	0.229	ug/L	100
34) Trichloroethene	7.19	95	7548	0.272	ug/L	95
35) Methylcyclohexane	7.43	83	9328	0.249	ug/L	88
37) 1,2-Dichloropropane	7.49	63	6467	0.250	ug/L	98
38) Bromodichloromethane	7.88	83	9484	0.274	ug/L #	83
39) cis-1,3-Dichloropropene	8.42	75	8070	0.216	ug/L	87
40) 4-Methyl-2-pentanone	8.62	43	35104	2.324	ug/L #	91
42) Toluene	8.77	91	25391	0.247	ug/L	97
43) 1,3,5-Trimethylbenzene	11.49	105	19311	0.201	ug/L	93
44) 1,2,4-Trimethylbenzene	11.79	105	17325	0.182	ug/L	100
46) trans-1,3-Dichloropropene	9.02	75	11411	0.355	ug/L	92
47) 1,1,2-Trichloroethane	9.20	97	5021	0.284	ug/L	88
49) Tetrachloroethene	9.32	164	6009	0.267	ug/L	93
50) 2-Hexanone	9.48	43	26362m	2.391	ug/L	
51) Dibromochloromethane	9.57	129	5941	0.245	ug/L	82
52) 1,2-Dibromoethane	9.66	107	4777	0.273	ug/L #	93
53) Chlorobenzene	10.12	112	17447	0.249	ug/L	98
54) Ethylbenzene	10.23	91	26404	0.236	ug/L	99
55) m,p-xylene	10.34	106	9540	0.214	ug/L	61
56) o-xylene	10.68	106	9680	0.224	ug/L	98
57) Styrene	10.70	104	15458	0.215	ug/L	96
58) Isopropylbenzene	11.00	105	24916	0.223	ug/L	98
60) 1,1,2,2-Tetrachloroethane	11.25	83	5704	0.271	ug/L #	65
62) Bromoform	10.84	173	3297	0.252	ug/L #	92
63) 1,3-Dichlorobenzene	12.01	146	13964	0.266	ug/L	97
64) 1,4-Dichlorobenzene	12.09	146	13079	0.253	ug/L	90
66) 1,2-Dichlorobenzene	12.38	146	12168	0.250	ug/L	96
67) 1,2-Dibromo-3-chloropropan	12.98	75	1415	0.330	ug/L #	55
68) 1,3,5-Trichlorobenzene	13.15	180	11084	0.250	ug/L	97
69) 1,2,4-trichlorobenzene	13.63	180	7778	0.240	ug/L #	93
70) Naphthalene	13.82	128	11567	0.204	ug/L #	92
71) 1,2,3-Trichlorobenzene	14.01	180	6982	0.233	ug/L	97

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

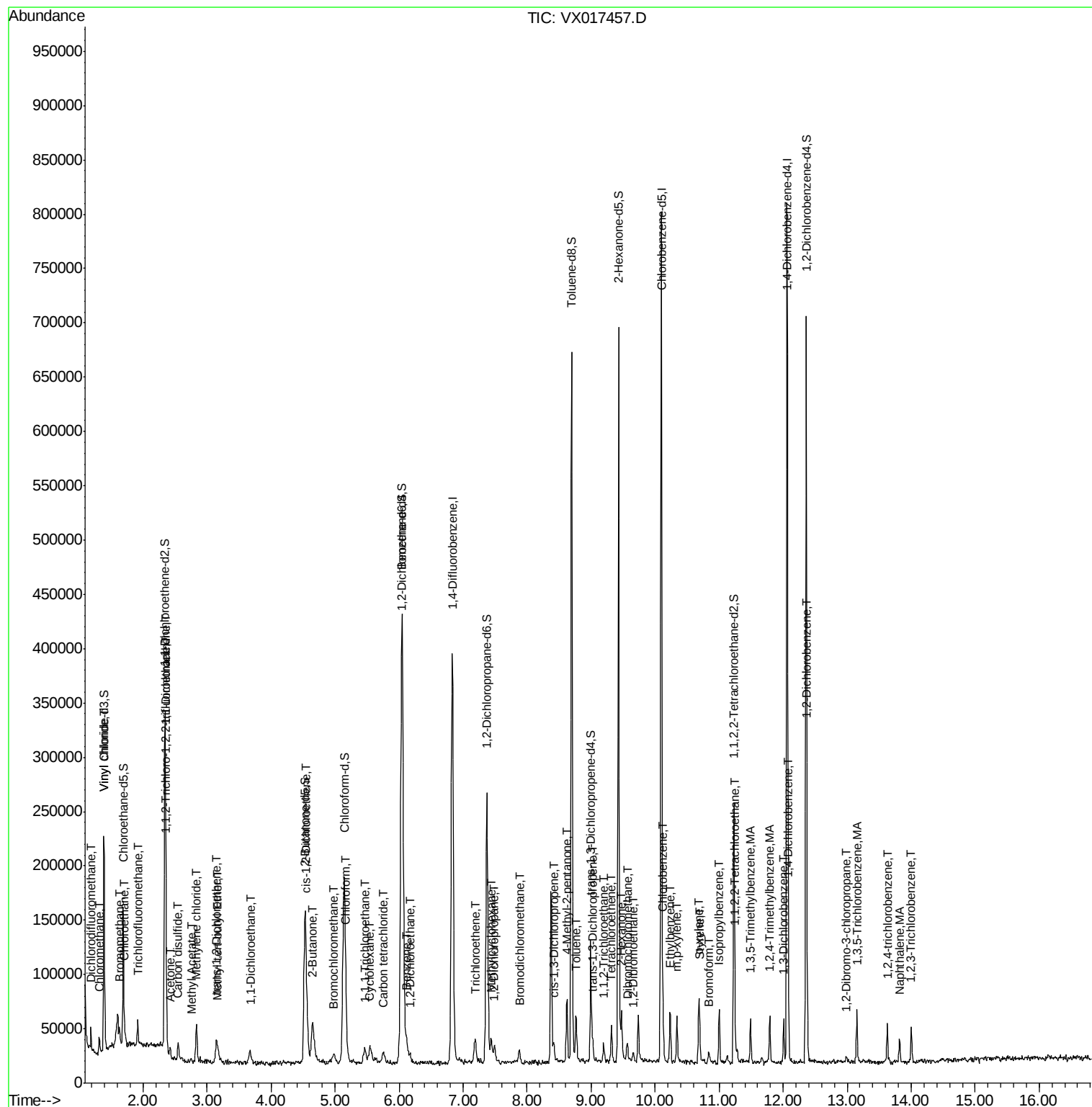
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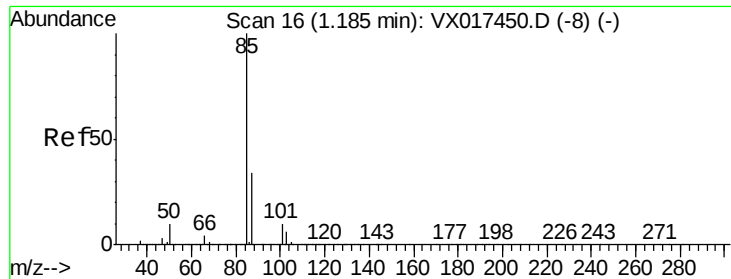
Instrument :
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#2

Dichlorodifluoromethane

Concen: 0.264 ug/L

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX017457.D

Acq: 21 Jul 2020 16:22

Instrument :

MSVOA_X

ClientSampled :

MDL03

Tot Ion: 85 Resp: 10701

Ion Ratio Lower Upper

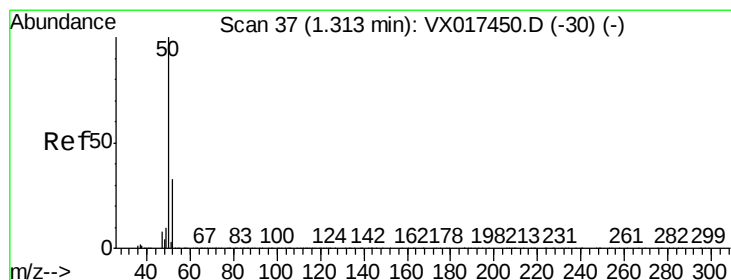
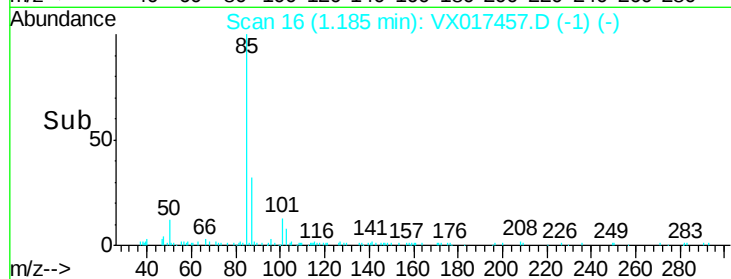
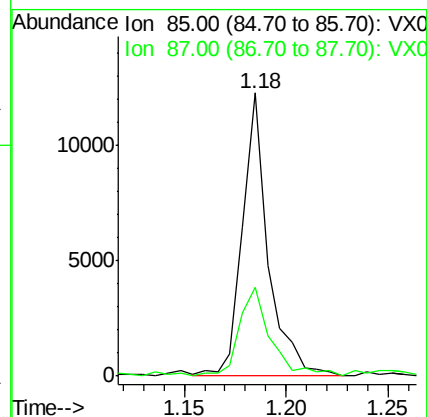
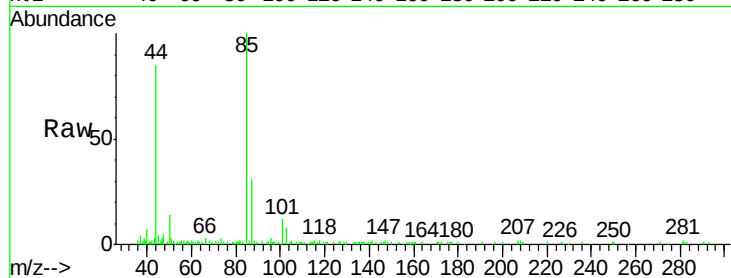
85 100

87 38.1 26.1 39.1

Manual Integrations
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#3

Chloromethane

Concen: 0.234 ug/L

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX017457.D

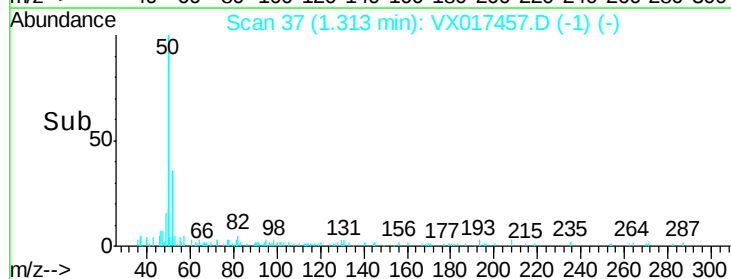
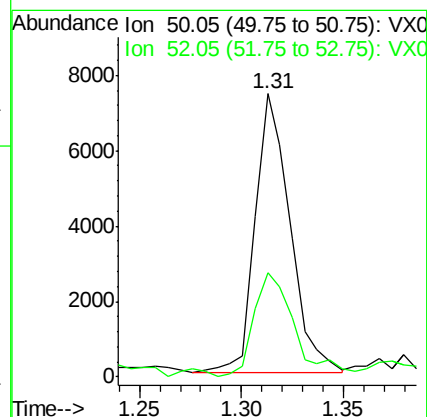
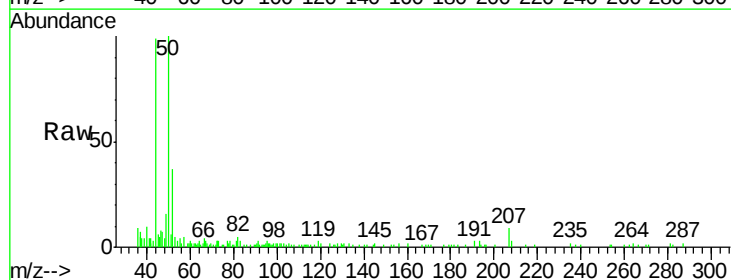
Acq: 21 Jul 2020 16:22

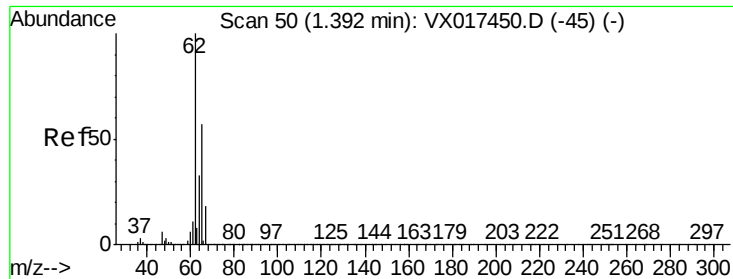
Tgt Ion: 50 Resp: 8805

Ion Ratio Lower Upper

50 100

52 36.7 23.2 43.2





#5

Vinyl chloride

Concen: 0.251 ug/L m

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX017457.D

Acq: 21 Jul 2020 16:22

Instrument :

MSVOA_X

ClientSampled :

MDL03

Tot Ion: 62 Resp: 8999

Ion Ratio Lower Upper

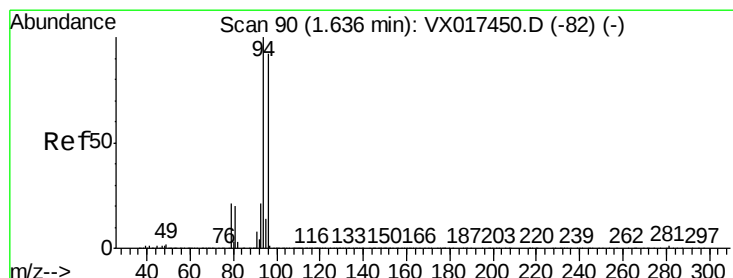
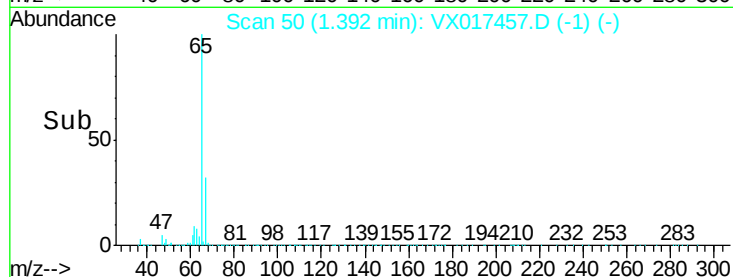
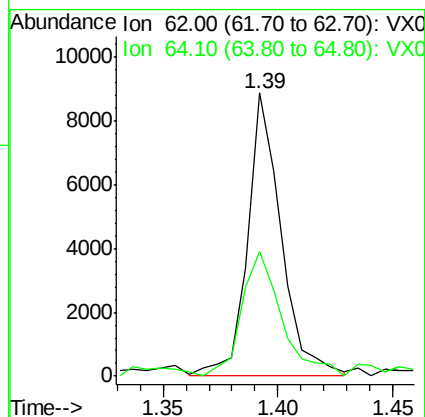
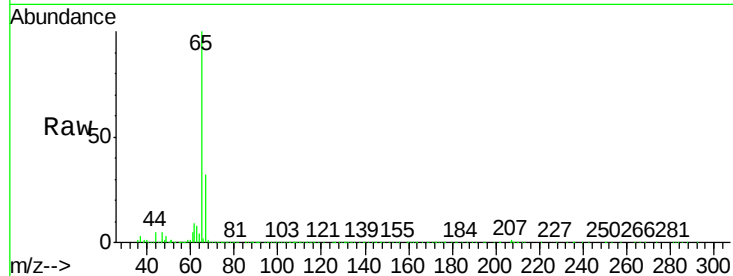
62 100

64 44.1 23.2 43.2#

Manual Integrations
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#6

Bromomethane

Concen: 0.235 ug/L

RT: 1.63 min Scan# 89

Delta R.T. -0.01 min

Lab File: VX017457.D

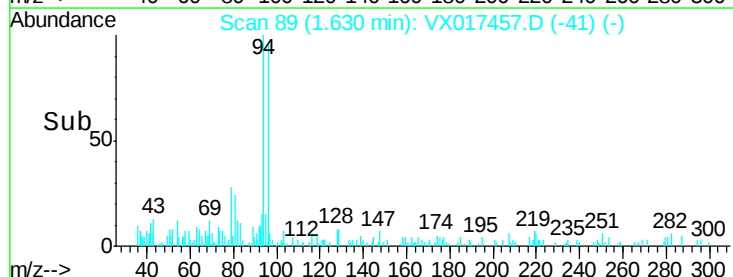
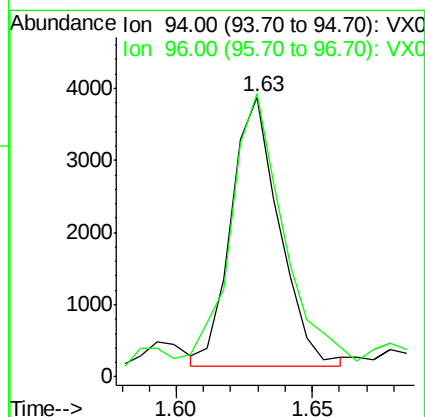
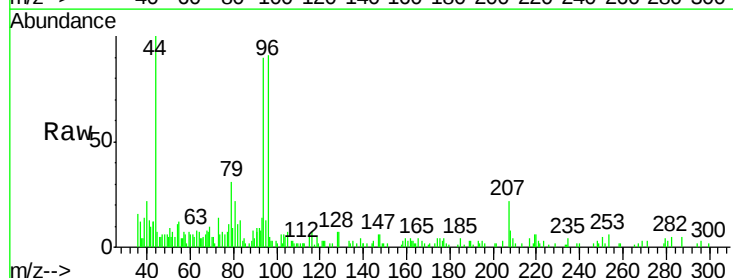
Acq: 21 Jul 2020 16:22

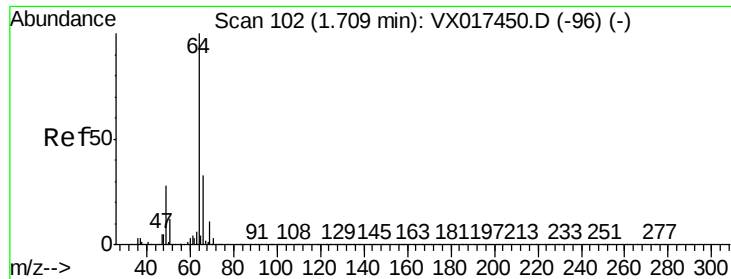
Tgt Ion: 94 Resp: 4581

Ion Ratio Lower Upper

94 100

96 101.3 64.8 120.4





#8

Chloroethane

Concen: 0.269 ug/L

RT: 1.71 min Scan# 102

Delta R.T. 0.00 min

Lab File: VX017457.D

Acq: 21 Jul 2020 16:22

Instrument :

MSVOA_X

ClientSampleId :

MDL03

Tot Ion: 64 Resp: 5294

Ion Ratio Lower Upper

64 100

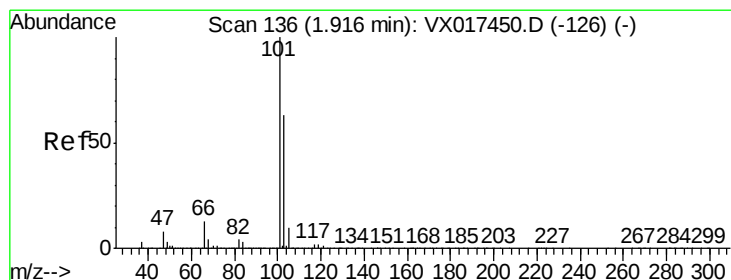
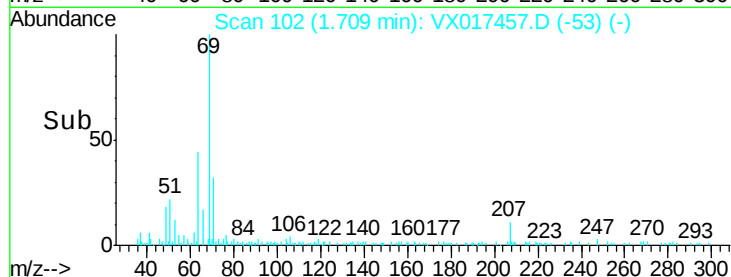
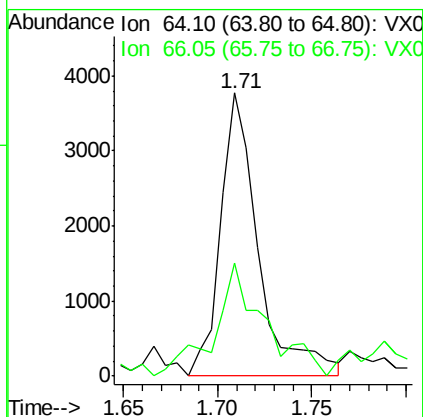
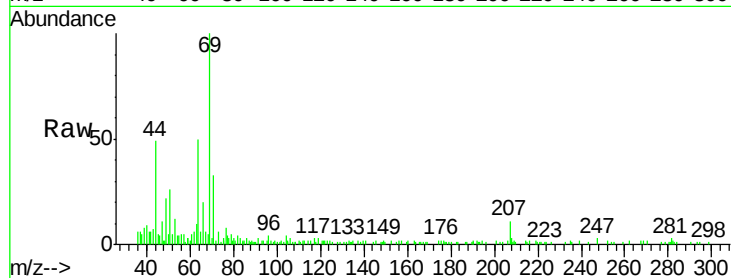
66 40.2 23.1 42.9

Manual Integrations

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#9

Trichlorofluoromethane

Concen: 0.246 ug/L

RT: 1.92 min Scan# 136

Delta R.T. 0.00 min

Lab File: VX017457.D

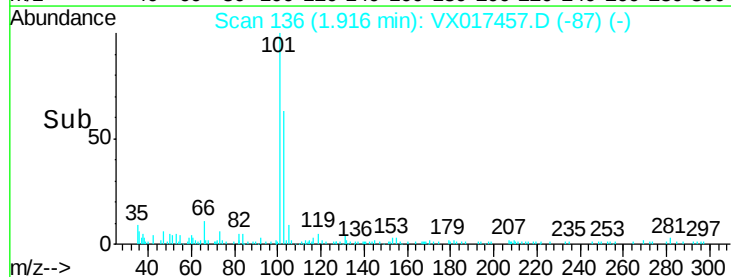
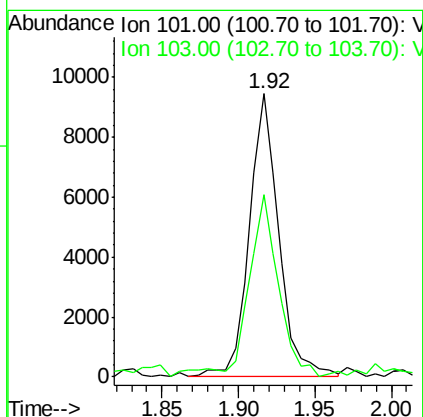
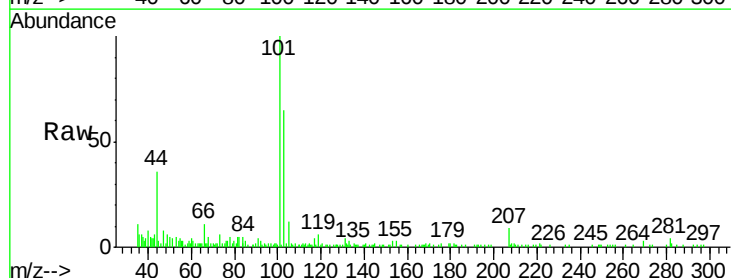
Acq: 21 Jul 2020 16:22

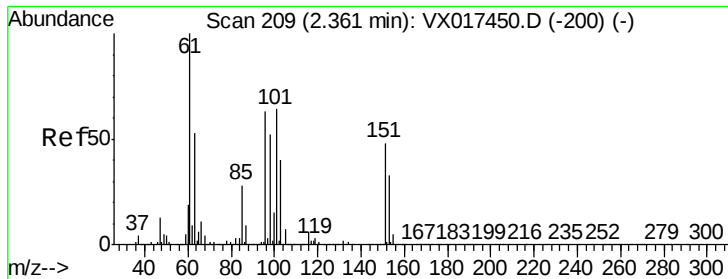
Tgt Ion: 101 Resp: 12701

Ion Ratio Lower Upper

101 100

103 59.7 51.4 77.2





#10

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

Concen: 0.300 ug/L

RT: 2.36 min Scan# 209

Delta R.T. 0.00 min

Lab File: VX017457.D

Acq: 21 Jul 2020 16:22

Instrument :

MSVOA_X

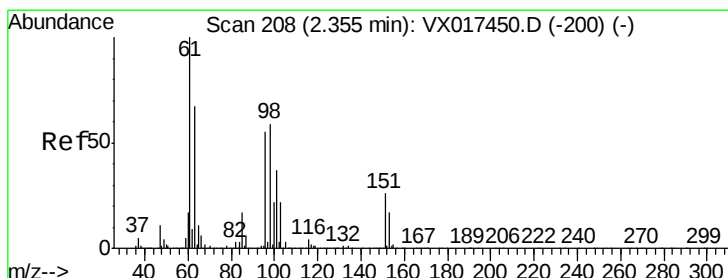
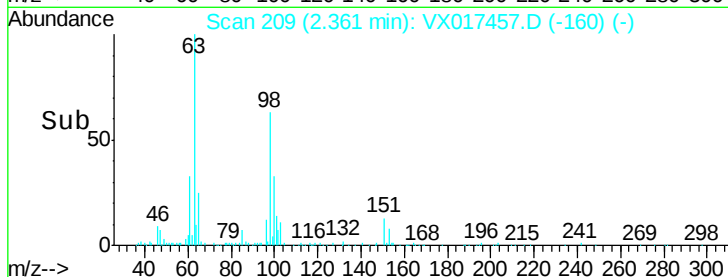
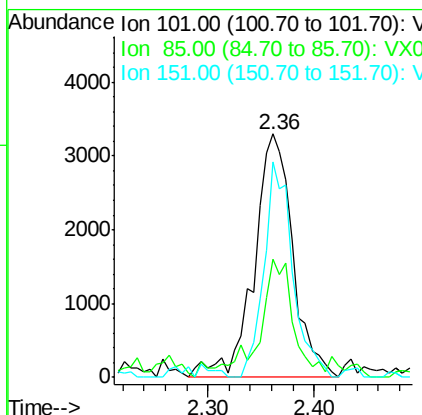
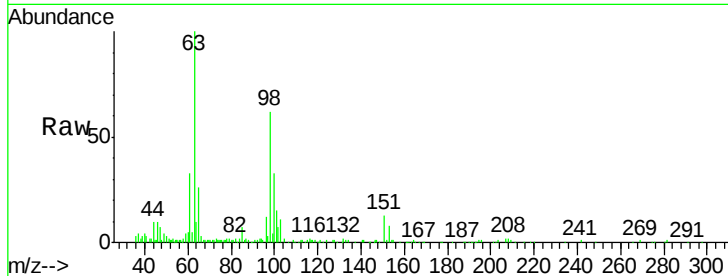
ClientSampleId :

MDL03

Tot Ion:	101	Resp:	8396
Ion Ratio	Lower	Upper	
101	100		
85	36.3	35.3	52.9
151	65.5	62.3	93.5

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#12

1,1-Dichloroethene

Concen: 0.309 ug/L

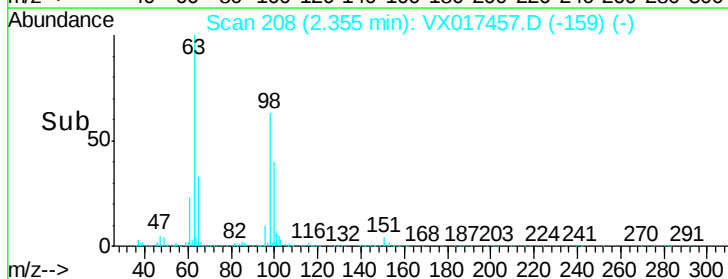
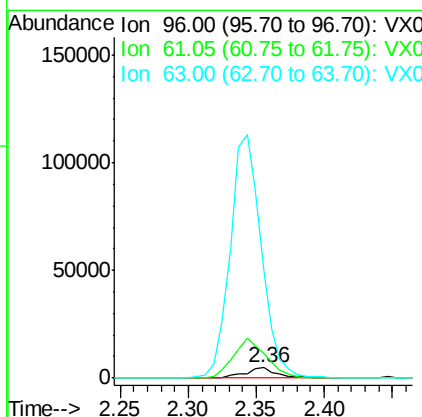
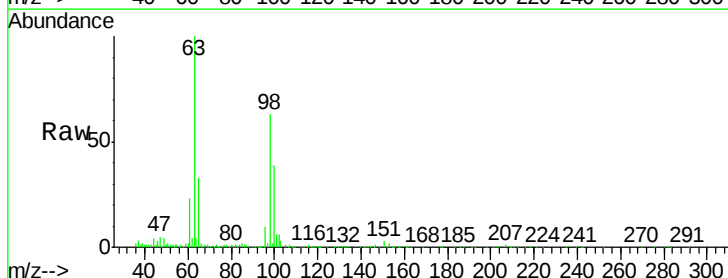
RT: 2.36 min Scan# 208

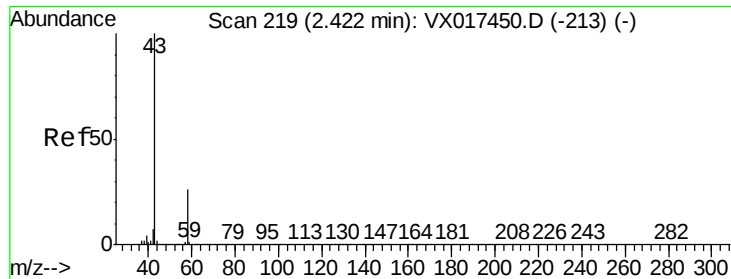
Delta R.T. 0.00 min

Lab File: VX017457.D

Acq: 21 Jul 2020 16:22

Tgt Ion:	96	Resp:	8047
Ion Ratio	Lower	Upper	
96	100		
61	239.0	126.5	234.9#
63	1025.1	85.6	159.0#





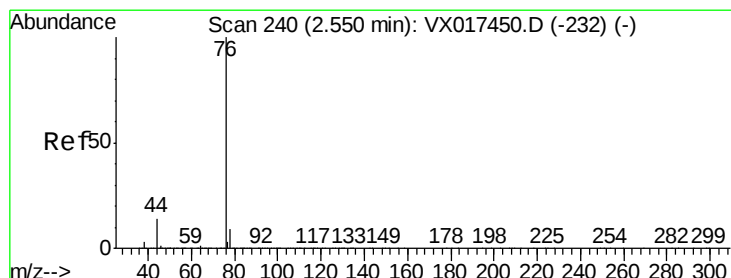
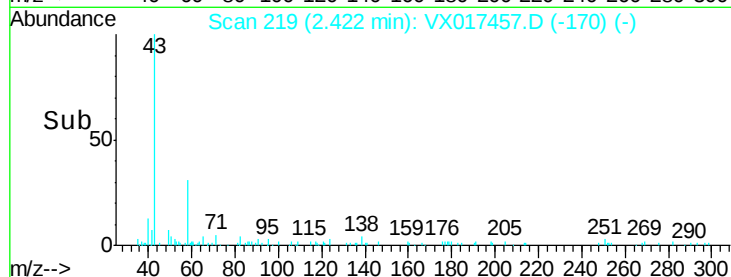
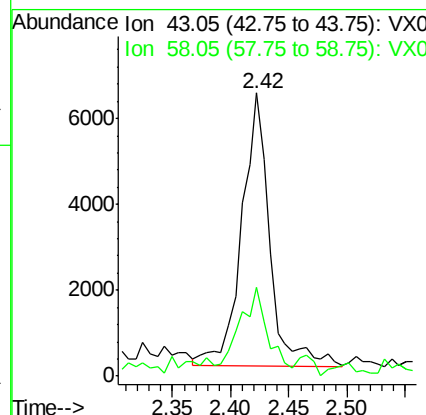
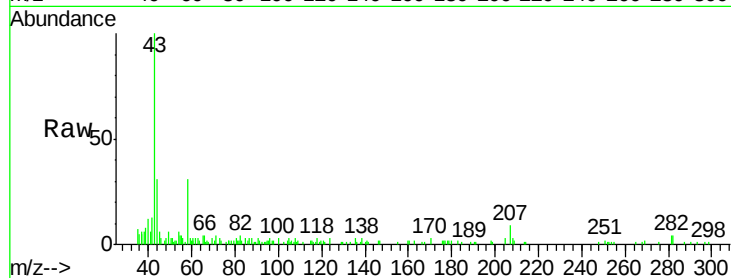
#13
Acetone
Concen: 2.467 ug/L
RT: 2.42 min Scan# 219
Delta R.T. 0.00 min
Lab File: VX017457.D
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Tot Ion	43	58	Ratio	100	32.9	Resp Lower	10652	Upper	58.6
Ion	43	58	Ratio	100	32.9	Resp Lower	10652	Upper	58.6

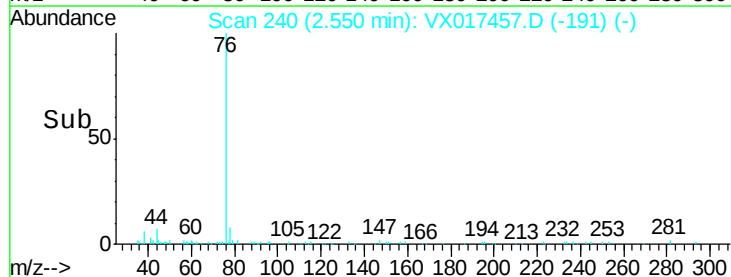
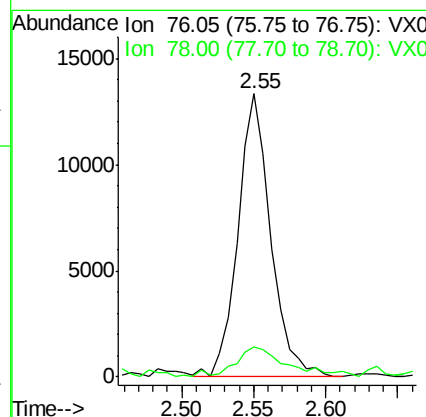
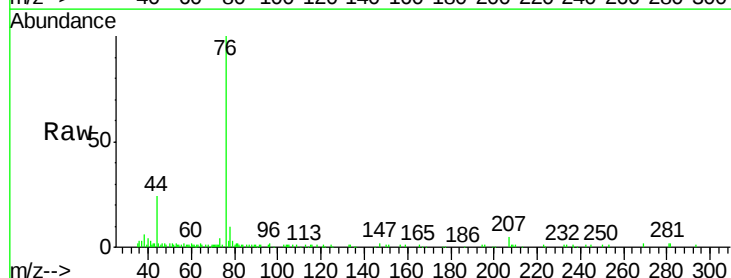
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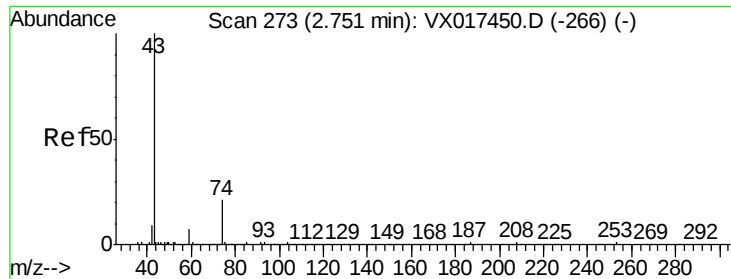
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7/22/2020 9:11:04 AM



#14
Carbon disulfide
Concen: 0.238 ug/L
RT: 2.55 min Scan# 240
Delta R.T. 0.00 min
Lab File: VX017457.D
Acq: 21 Jul 2020 16:22

Tgt Ion	76	78	Ratio	100	10.5	Resp Lower	21040	Upper	10.9
Ion	76	78	Ratio	100	10.5	Resp Lower	21040	Upper	10.9





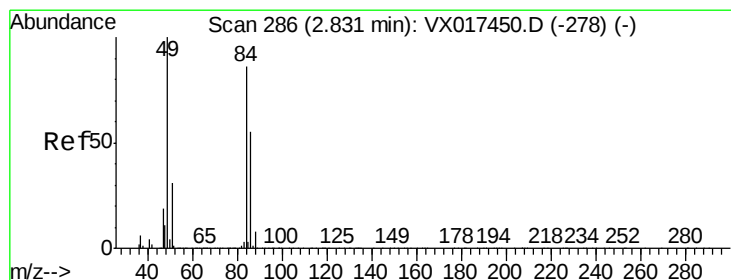
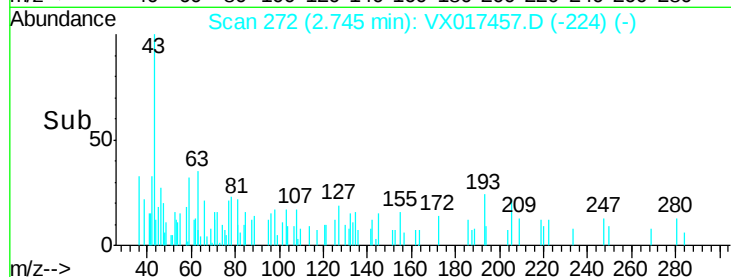
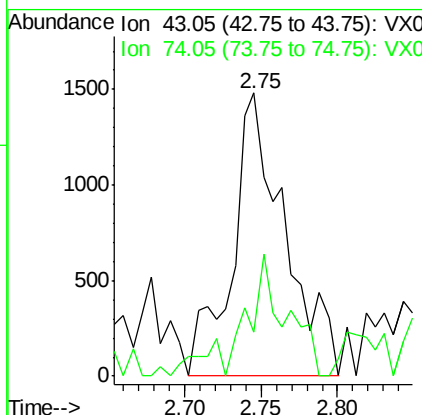
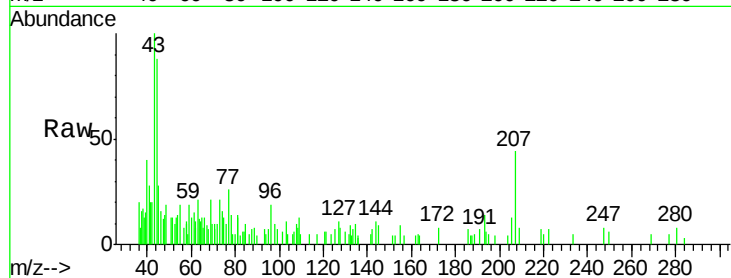
#15
Methyl Acetate
Concen: 0.283 ug/L
RT: 2.75 min Scan# 272
Delta R.T. -0.01 min
Lab File: VX017457.D
Acq: 21 Jul 2020 16:22

Instrument :
MSVOA_X
ClientSampleId :
MDL03

Tot Ion	Ratio	Lower	Upper
43	100		
74	27.2	17.6	26.4#

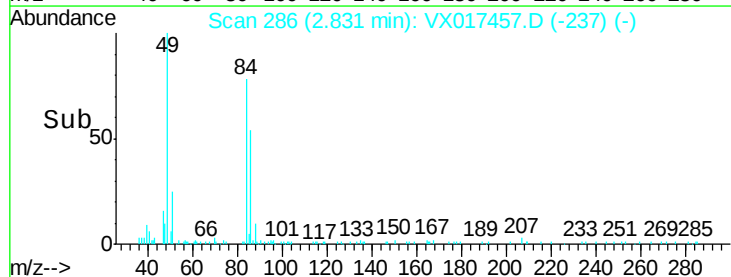
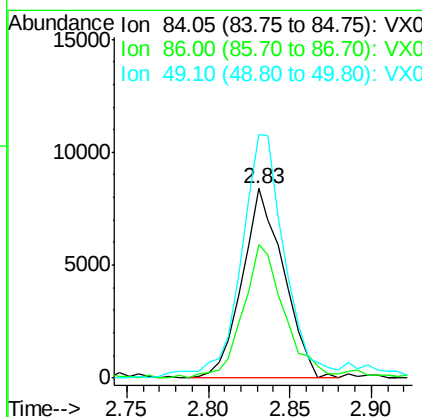
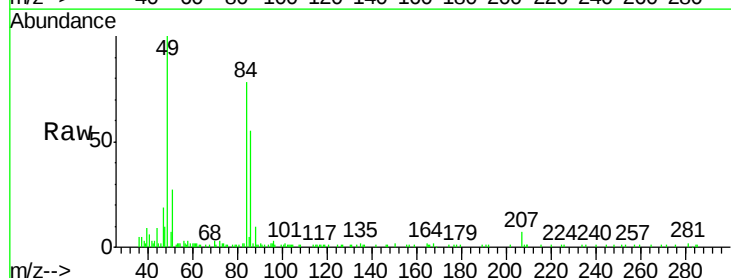
Manual Integrations
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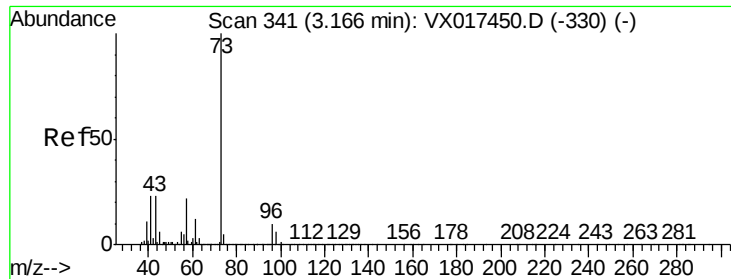
MMDadoda
7/22/2020 9:11:04 AM



#16
Methylene chloride
Concen: 0.413 ug/L
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX017457.D
Acq: 21 Jul 2020 16:22

Tgt Ion	Ratio	Lower	Upper
84	100		
86	70.5	44.8	83.2
49	128.3	81.0	150.4





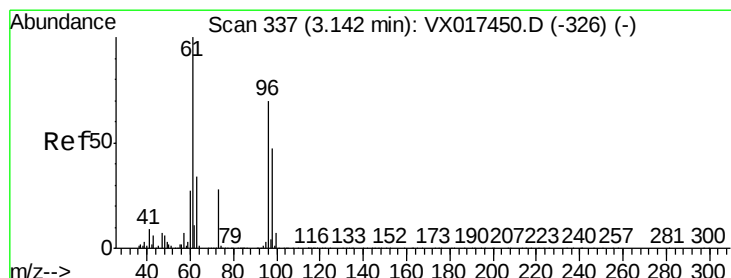
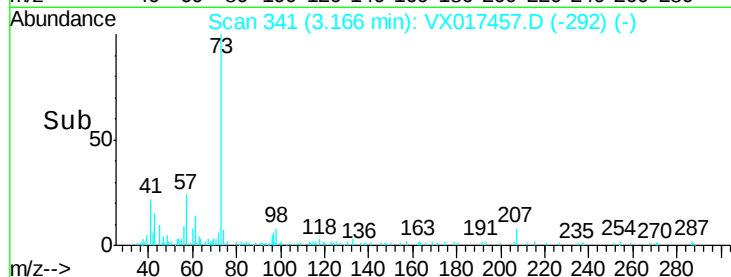
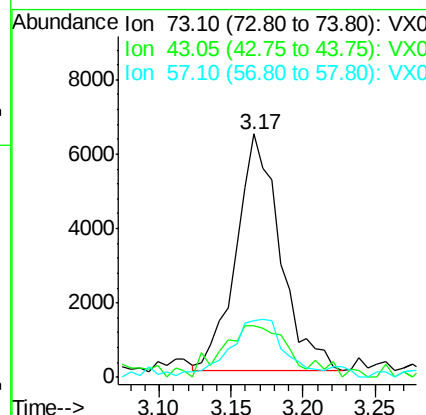
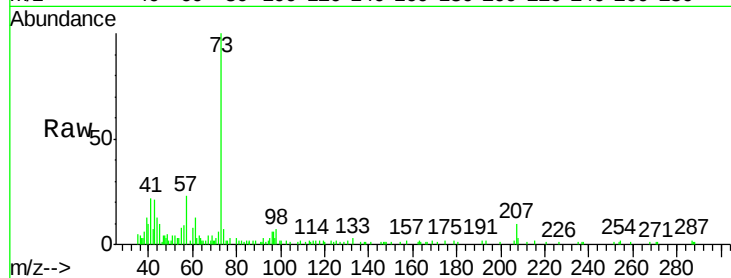
#17
Methvl tert-butvl Ether
Concen: 0.218 ug/L
RT: 3.17 min Scan# 341
Delta R.T. 0.00 min
Lab File: VX017457.D
Acq: 21 Jul 2020 16:22

Instrument :
MSVOA_X
ClientSampled :
MDL03

Tot Ion	Ratio	Lower	Upper
73	100		
43	31.8	17.8	26.6#
57	29.4	17.8	26.8#

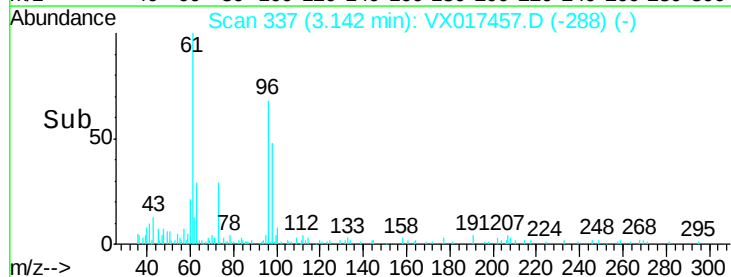
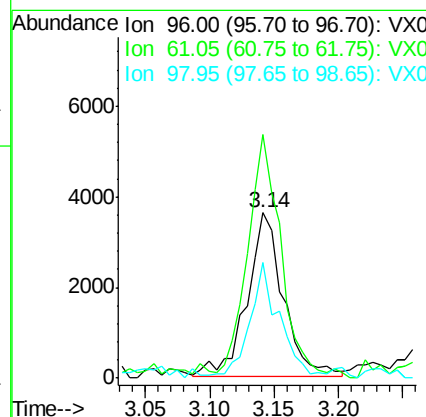
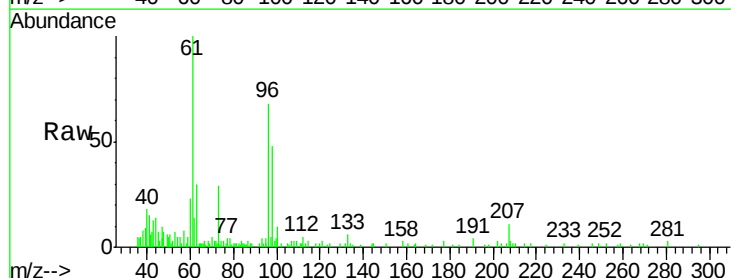
Manual Integrations
APPROVED

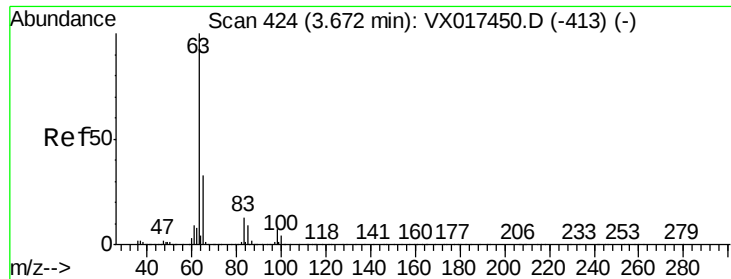
MMDadoda
7/22/2020 9:11:04 AM



#18
trans-1,2-Dichloroethene
Concen: 0.253 ug/L
RT: 3.14 min Scan# 337
Delta R.T. 0.00 min
Lab File: VX017457.D
Acq: 21 Jul 2020 16:22

Tgt Ion	Ratio	Lower	Upper
96	100		
61	147.3	99.8	185.4
98	70.2	46.4	86.2





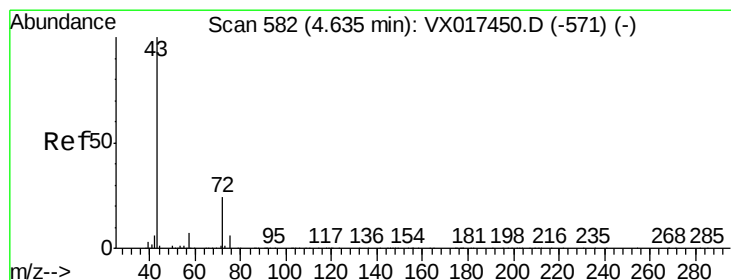
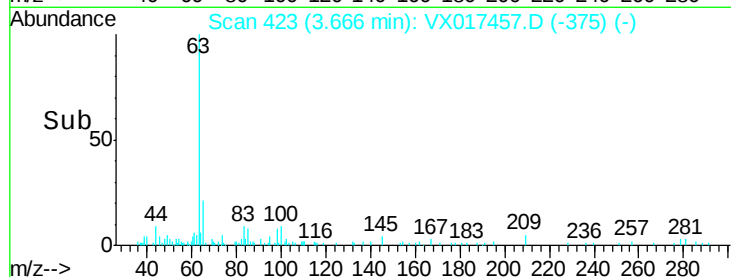
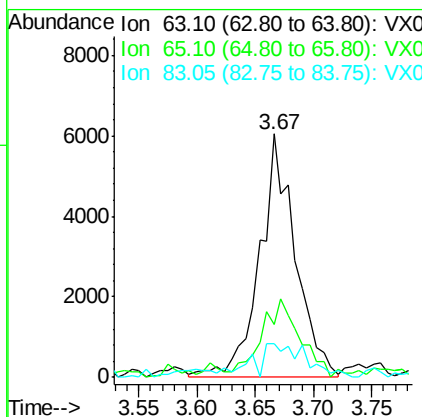
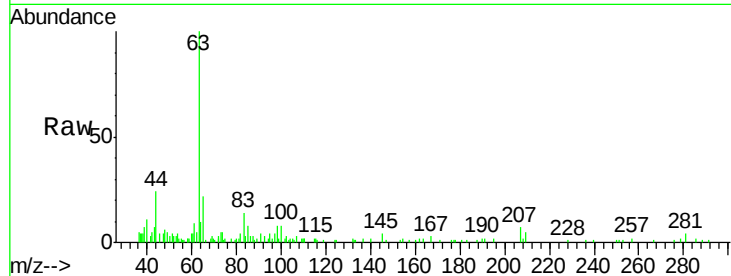
#19
 1,1-Dichloroethane
 Concen: 0.263 ug/L
 RT: 3.67 min Scan# 423
 Delta R.T. -0.01 min
 Lab File: VX017457.D
 Acq: 21 Jul 2020 16:22

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL03

Tot Ion	Ratio	Lower	Upper
63	100		
65	21.9	23.2	43.2#
83	14.0	9.4	17.4

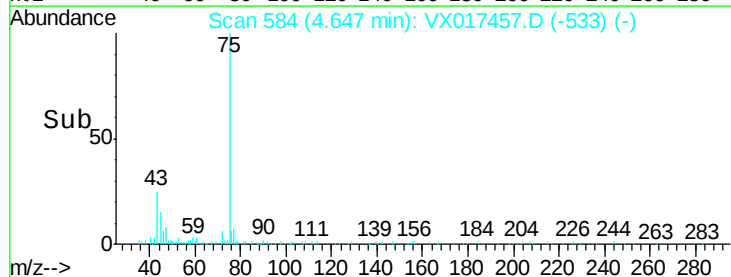
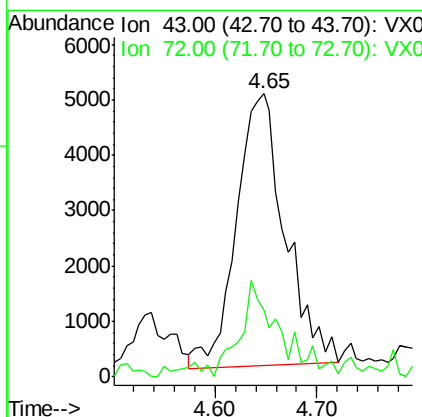
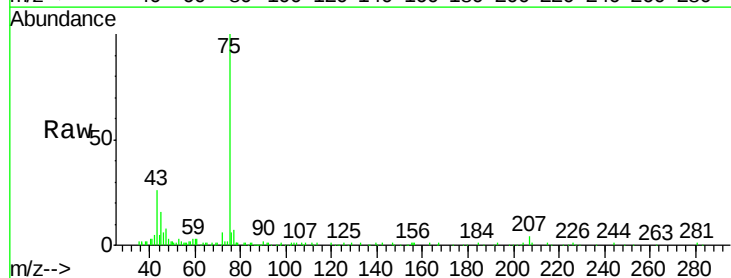
Manual Integrations
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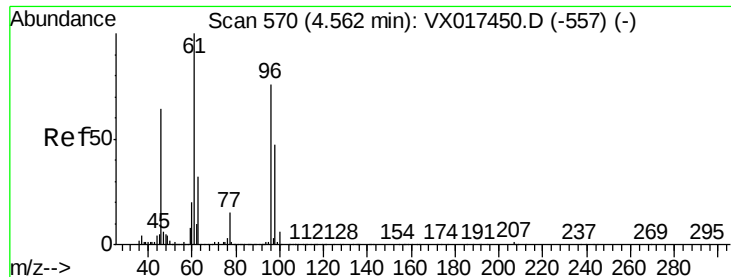
MMDadoda
 7/22/2020 9:11:04 AM



#21
 2-Butanone
 Concen: 2.367 ug/L
 RT: 4.65 min Scan# 584
 Delta R.T. 0.01 min
 Lab File: VX017457.D
 Acq: 21 Jul 2020 16:22

Tgt Ion	Ratio	Lower	Upper
43	100		
72	26.1	12.1	36.3





#22

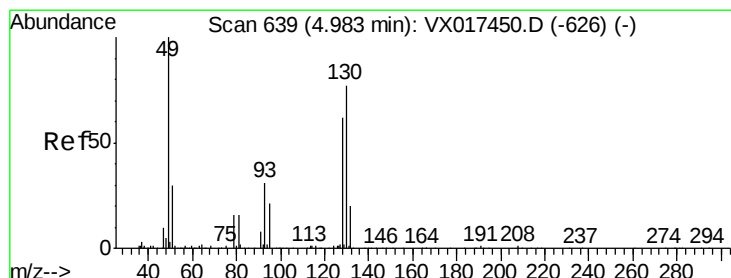
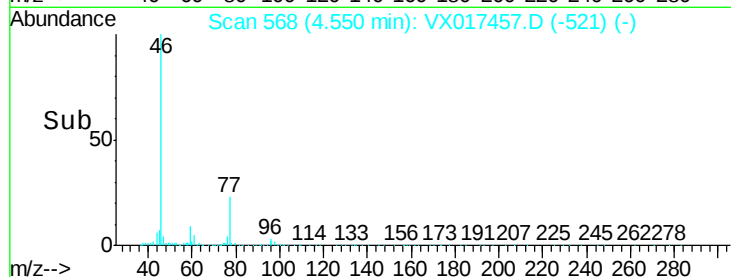
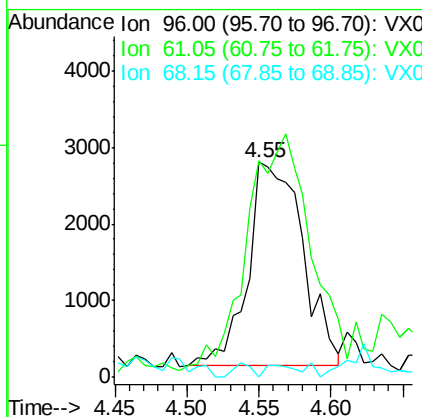
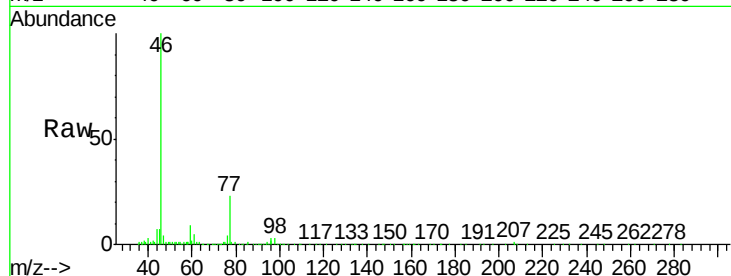
cis-1,2-Dichloroethene
Concen: 0.253 ug/L
RT: 4.55 min Scan# 568
Delta R.T. -0.01 min
Lab File: VX017457.D
Acq: 21 Jul 2020 16:22

Instrument :
MSVOA_X
ClientSampleId :
MDL03

Tot Ion:	96	Resp:	6944
Ion	Ratio	Lower	Upper
96	100		
61	100.9	91.6	170.2
68	0.0	0.0	0.0

Manual Integrations
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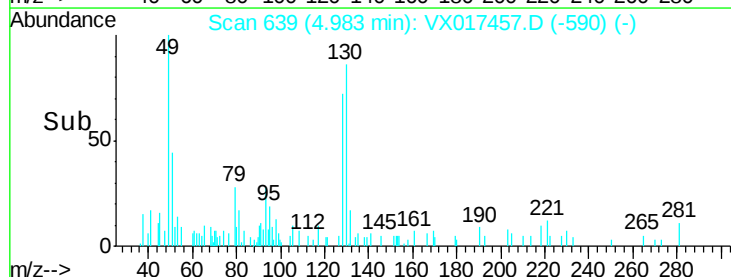
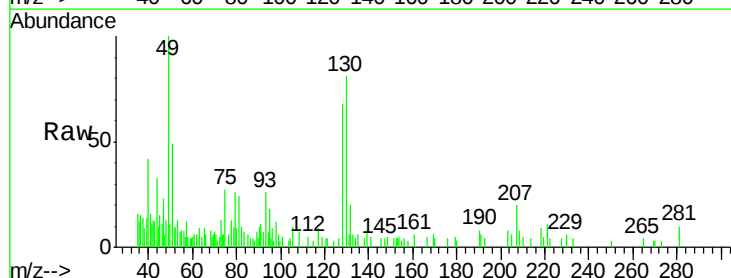
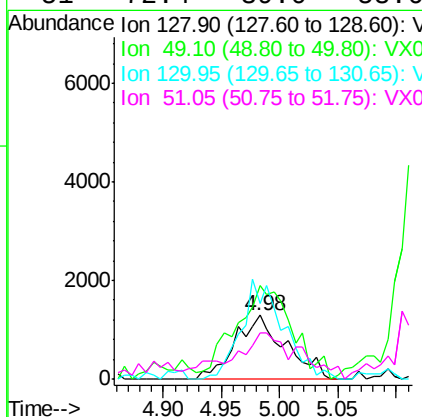
MMDadoda
7/22/2020 9:11:04 AM

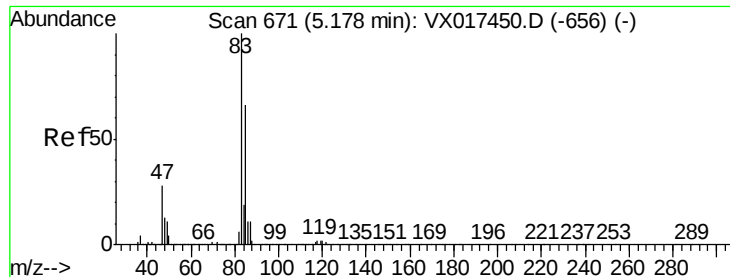


#23

Bromochloromethane
Concen: 0.292 ug/L
RT: 4.98 min Scan# 639
Delta R.T. 0.00 min
Lab File: VX017457.D
Acq: 21 Jul 2020 16:22

Tgt Ion:	128	Resp:	3861
Ion	Ratio	Lower	Upper
128	100		
49	147.1	113.3	210.3
130	119.8	87.3	162.1
51	72.4	39.0	58.6





#25

Chloroform

Concen: 0.278 ug/L

RT: 5.17 min Scan# 670

Delta R.T. -0.01 min

Lab File: VX017457.D

Acq: 21 Jul 2020 16:22

Instrument :

MSVOA_X

ClientSampled :

MDL03

Tot Ion: 83 Resp: 14244

Ion Ratio Lower Upper

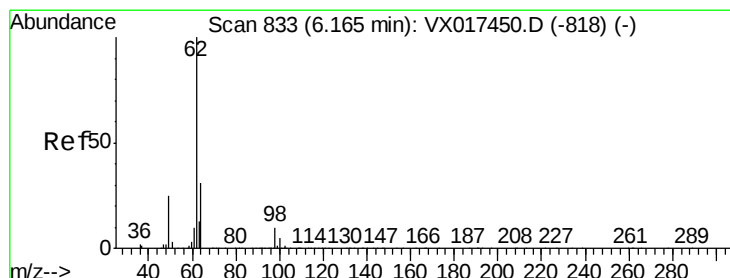
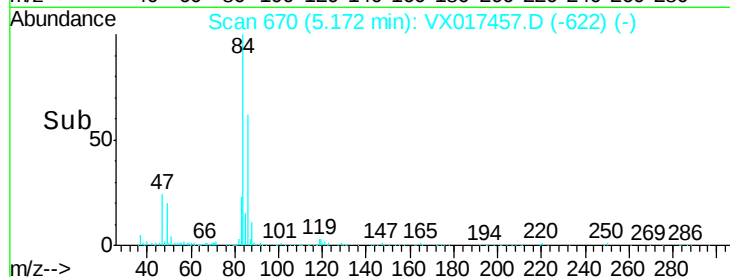
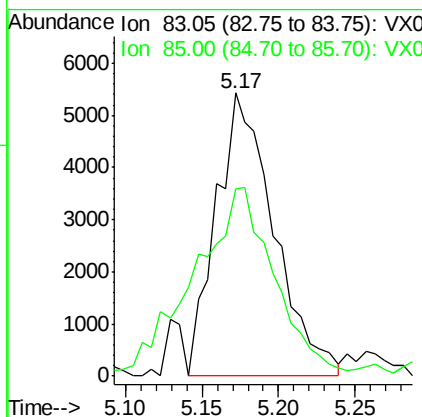
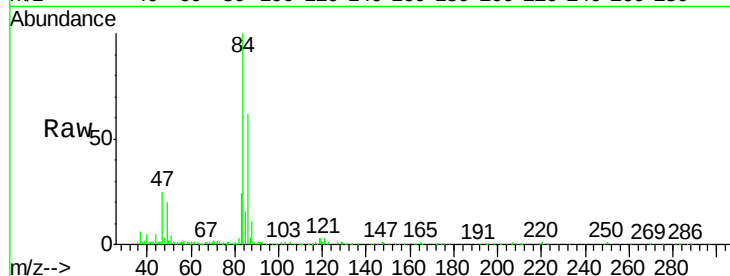
83 100

85 66.3 46.2 85.8

Manual Integrations
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7/22/2020 9:11:04 AM



#27

1,2-Dichloroethane

Concen: 0.241 ug/L

RT: 6.17 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX017457.D

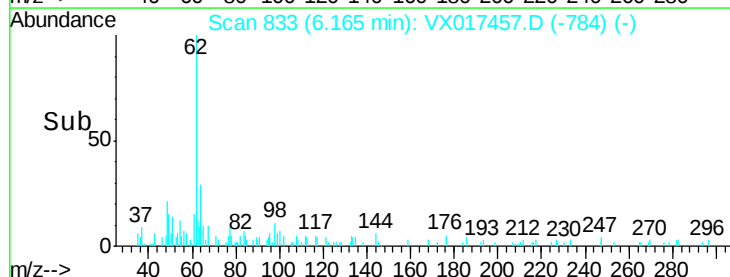
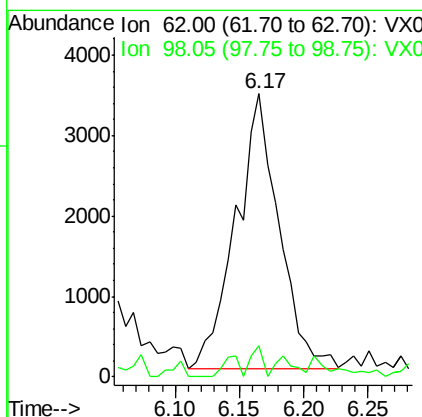
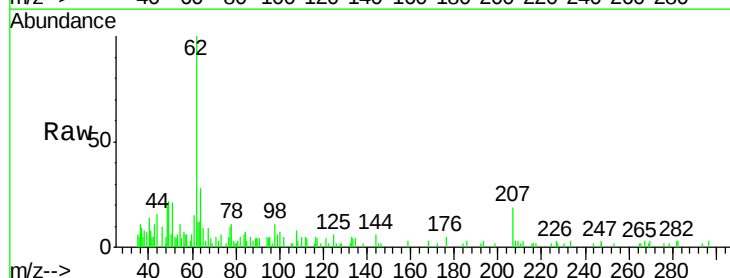
Acq: 21 Jul 2020 16:22

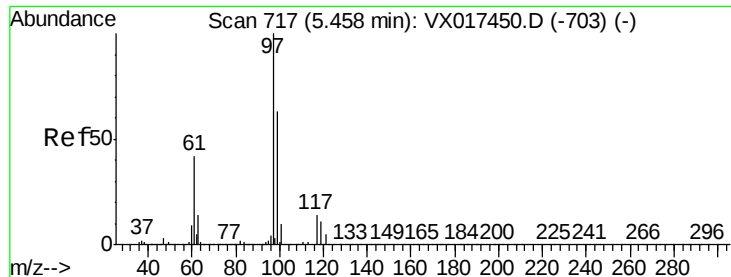
Tgt Ion: 62 Resp: 7957

Ion Ratio Lower Upper

62 100

98 10.8 7.7 11.5





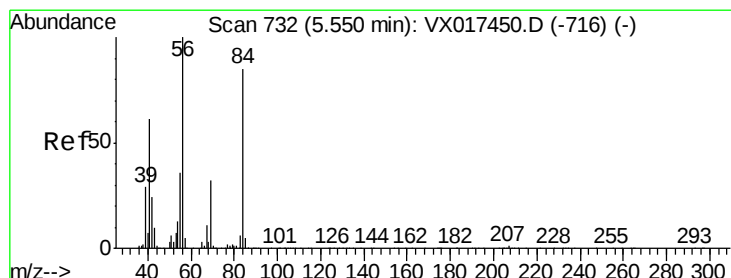
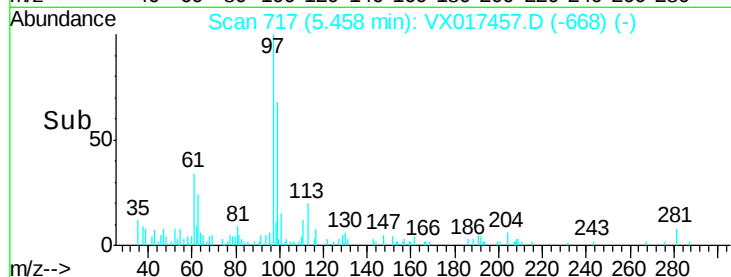
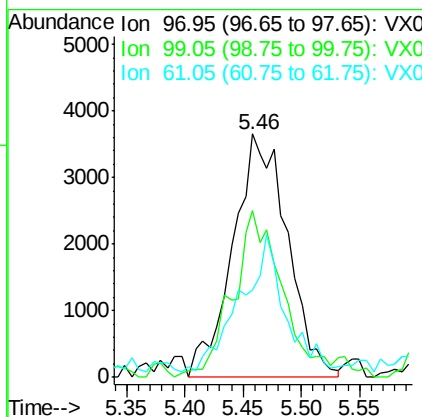
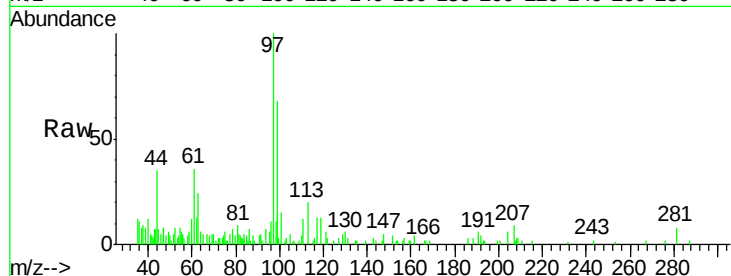
#29
1,1,1-Trichloroethane
Concen: 0.254 ug/L
RT: 5.46 min Scan# 717
Delta R.T. 0.00 min
Lab File: VX017457.D
Acq: 21 Jul 2020 16:22

Instrument :
MSVOA_X
ClientSampled :
MDL03

Tot Ion	Ratio	Resp	Lower	Upper
97	100	11916		
99	62.2	53.0	79.4	
61	48.4	35.2	52.8	

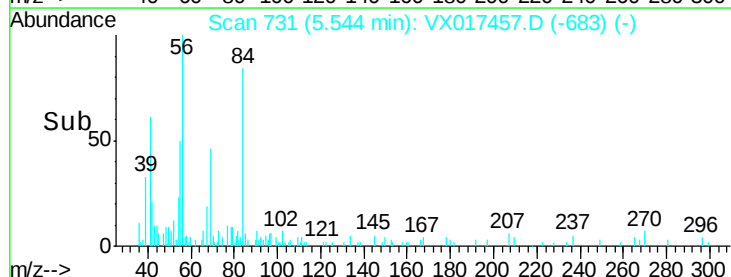
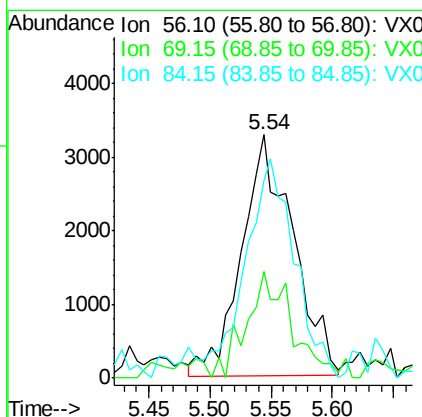
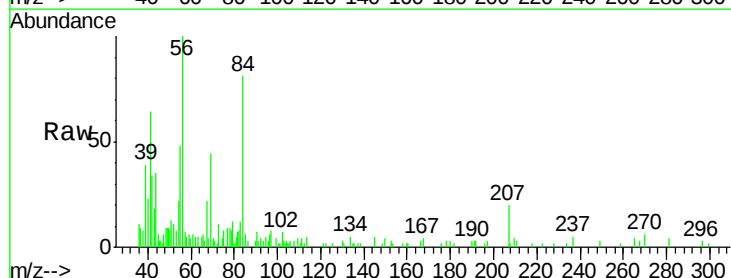
Manual Integrations
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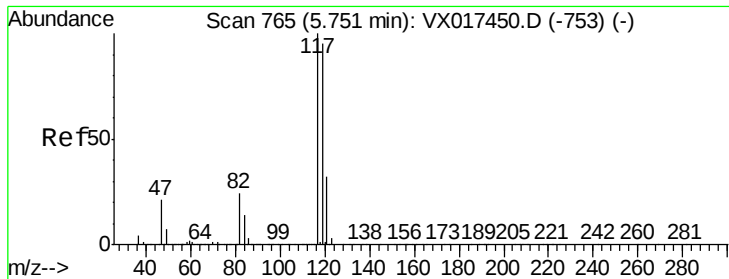
MMDadoda
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#30
Cyclohexane
Concen: 0.254 ug/L
RT: 5.54 min Scan# 731
Delta R.T. -0.01 min
Lab File: VX017457.D
Acq: 21 Jul 2020 16:22

Tgt Ion	Ratio	Resp	Lower	Upper
56	100	9622		
69	39.9	25.4	38.2	
84	86.2	69.3	103.9	





#31

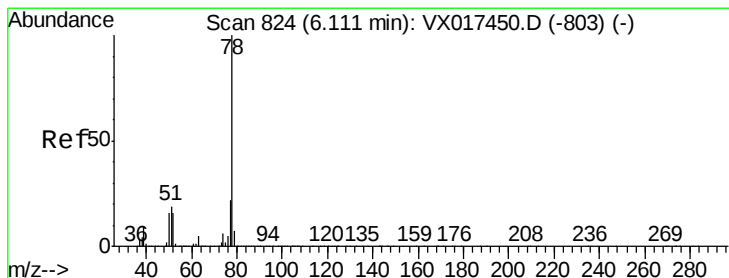
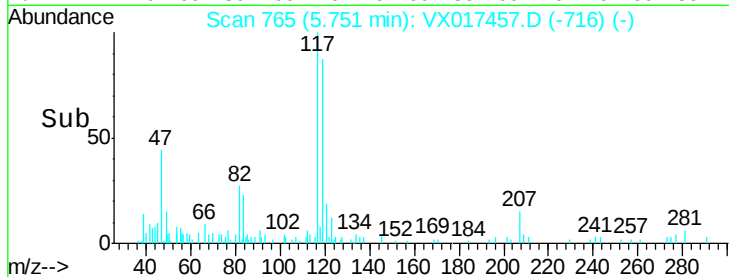
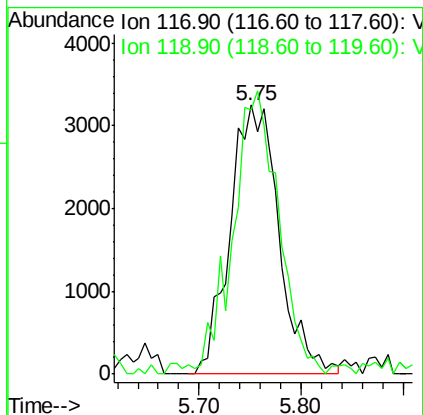
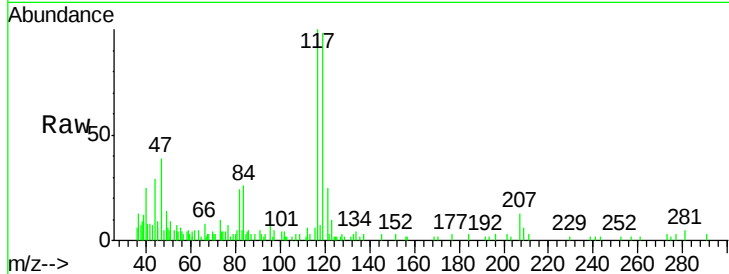
Carbon tetrachloride
Concen: 0.257 ug/L
RT: 5.75 min Scan# 765
Delta R.T. 0.00 min
Lab File: VX017457.D
Acq: 21 Jul 2020 16:22

Instrument :
MSVOA_X
ClientSampleId :
MDL03

Tot Ion	Ratio	Lower	Upper
117	100		
119	97.6	78.5	117.7

Manual Integrations
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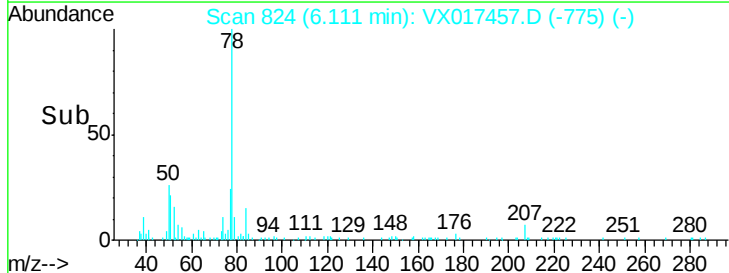
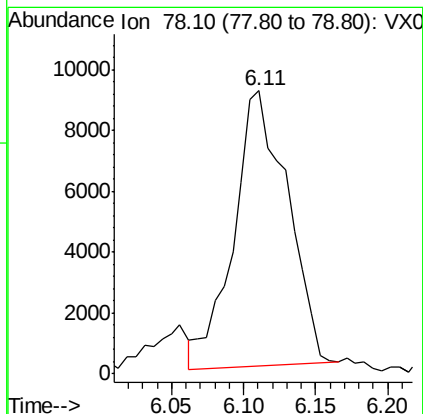
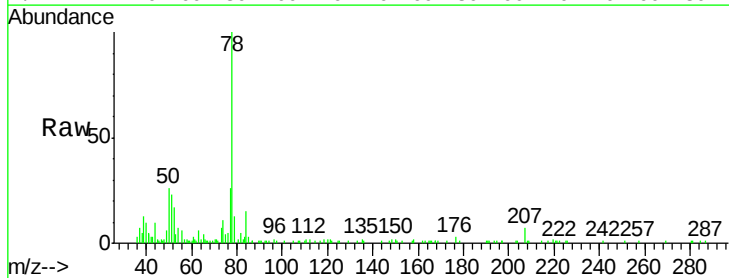
MMDadoda
7/22/2020 9:11:04 AM

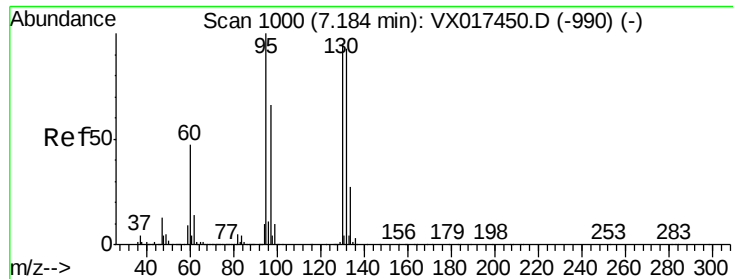


#33

Benzene
Concen: 0.229 ug/L
RT: 6.11 min Scan# 824
Delta R.T. 0.00 min
Lab File: VX017457.D
Acq: 21 Jul 2020 16:22

Tgt Ion: 78 Resp: 23571





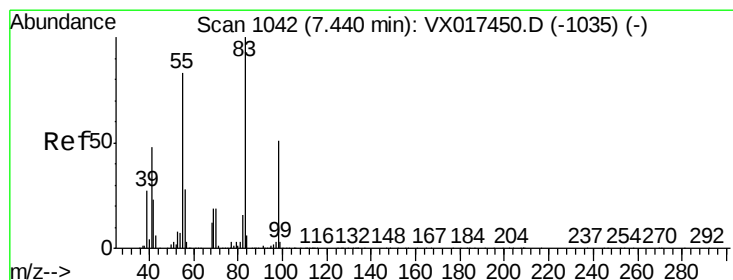
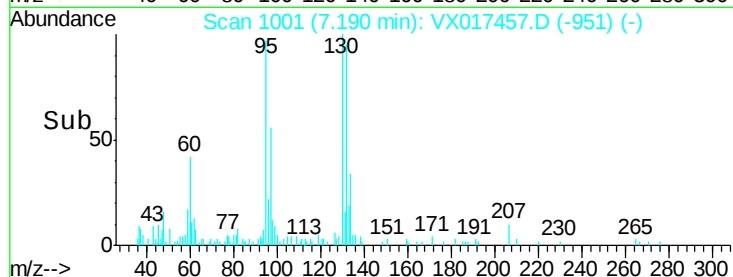
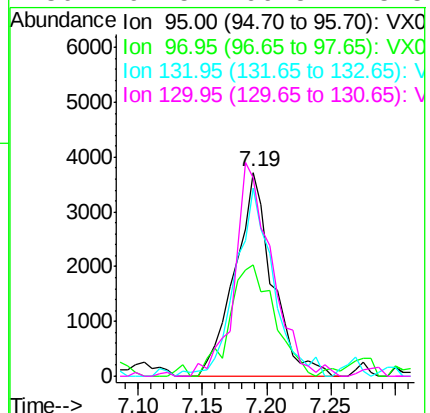
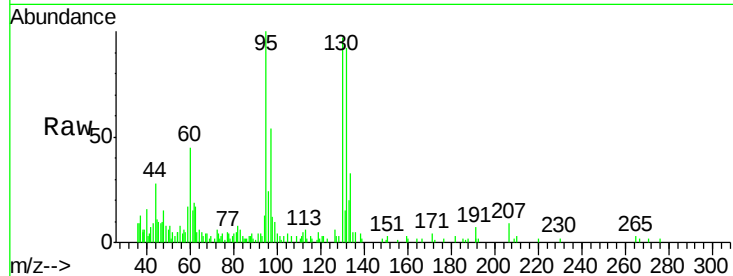
#34
 Trichloroethene
 Concen: 0.272 ug/L
 RT: 7.19 min Scan# 1001
 Delta R.T. 0.01 min
 Lab File: VX017457.D
 Acq: 21 Jul 2020 16:22

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL03

Tot Ion	95	Resp:	7548
Ion	Ratio	Lower	Upper
95	100		
97	54.4	45.9	85.3
132	92.1	65.5	121.7
130	97.5	66.5	123.5

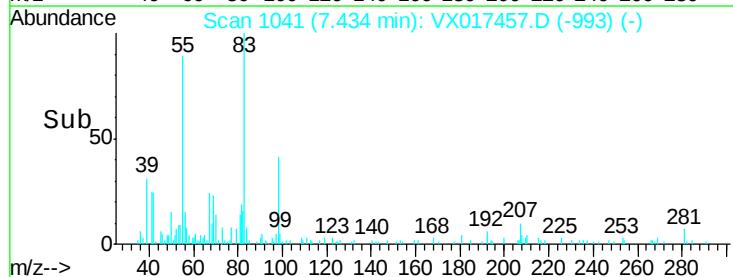
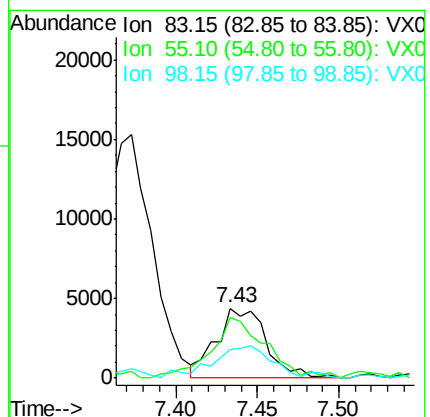
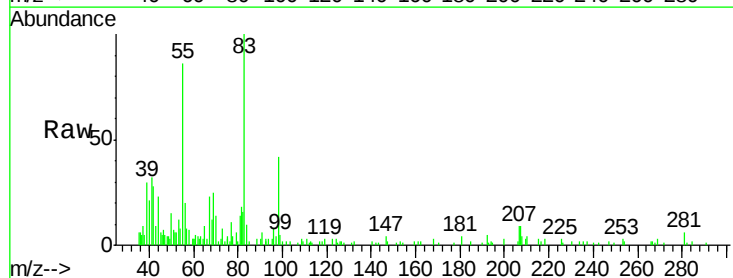
Manual Integrations
 APPROVED

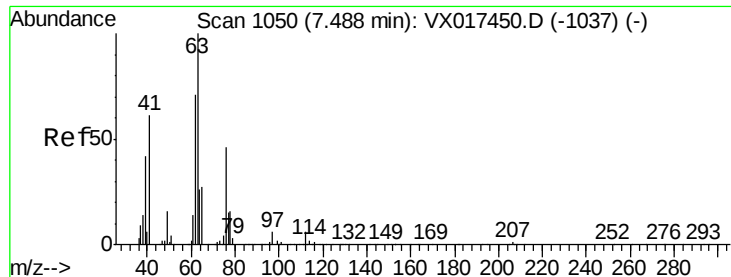
MMDadoda
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#35
 Methylcyclohexane
 Concen: 0.249 ug/L
 RT: 7.43 min Scan# 1041
 Delta R.T. -0.01 min
 Lab File: VX017457.D
 Acq: 21 Jul 2020 16:22

Tgt Ion	83	Resp:	9328
Ion	Ratio	Lower	Upper
83	100		
55	95.6	65.4	98.2
98	53.8	39.8	59.8





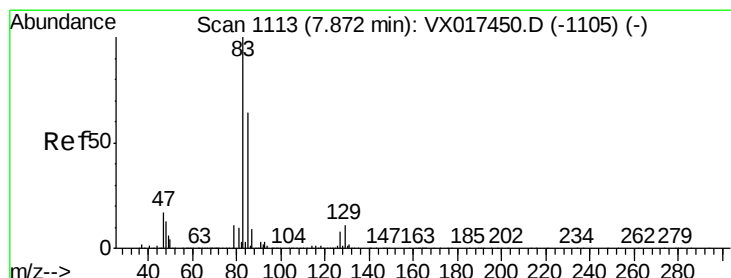
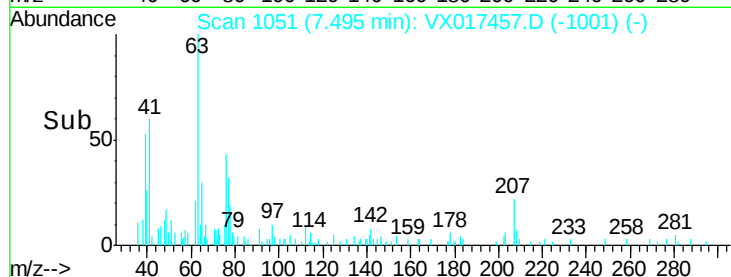
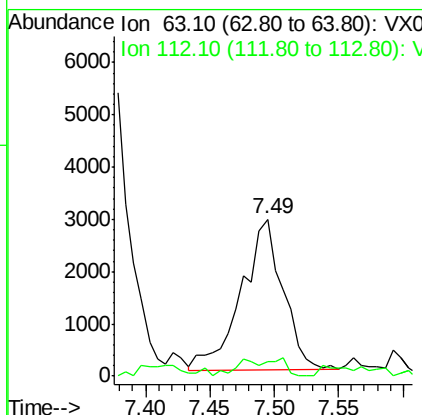
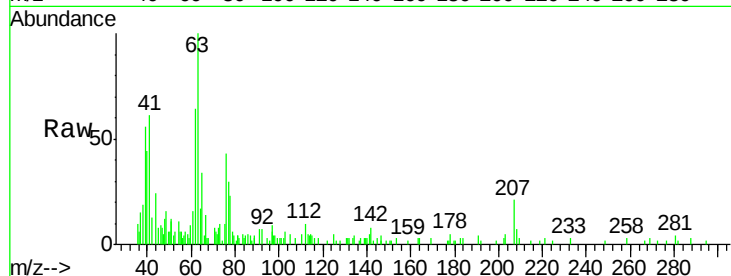
#37
 1,2-Dichloropropane
 Concen: 0.250 ug/L
 RT: 7.49 min Scan# 1051
 Delta R.T. 0.01 min
 Lab File: VX017457.D
 Acq: 21 Jul 2020 16:22

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL03

Tot Ion	Ratio	Lower	Upper
63	100		
112	5.5	3.8	5.8

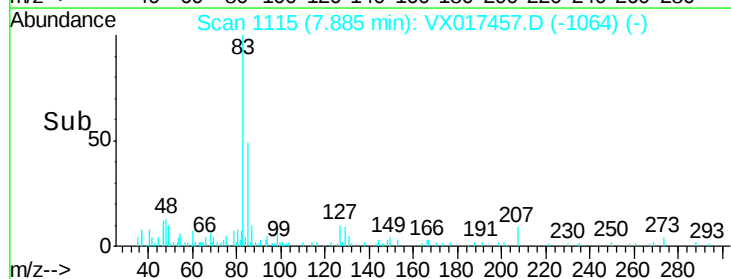
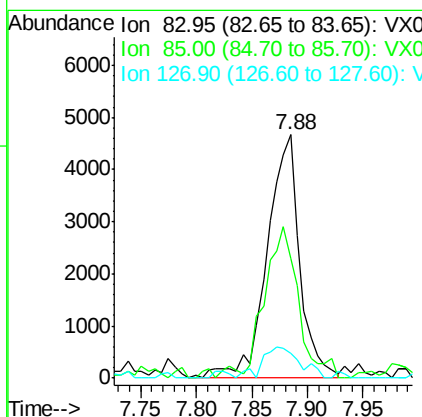
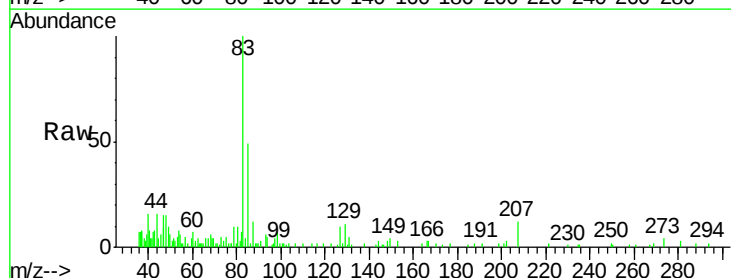
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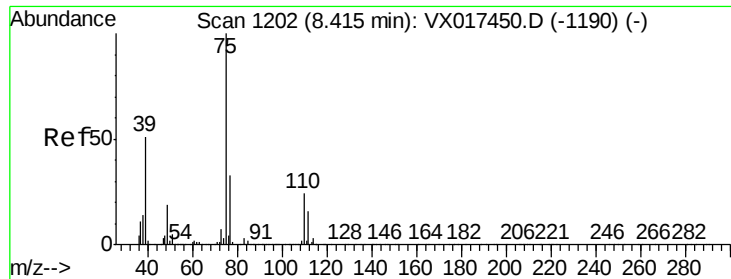
MMDadoda
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#38
 Bromodichloromethane
 Concen: 0.274 ug/L
 RT: 7.88 min Scan# 1115
 Delta R.T. 0.01 min
 Lab File: VX017457.D
 Acq: 21 Jul 2020 16:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	49.2	44.7	83.1
127	10.0	6.3	9.5#





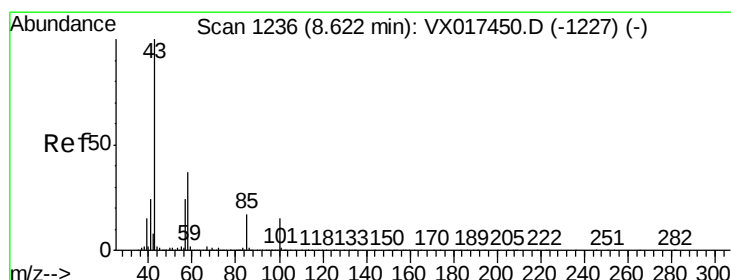
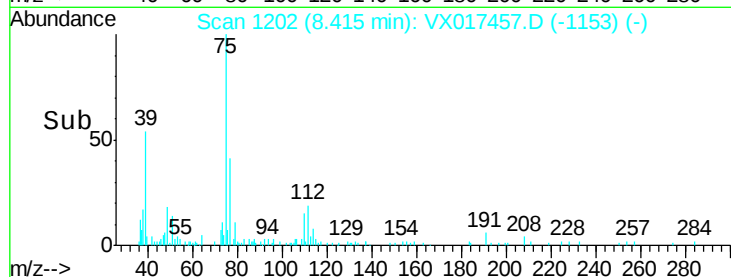
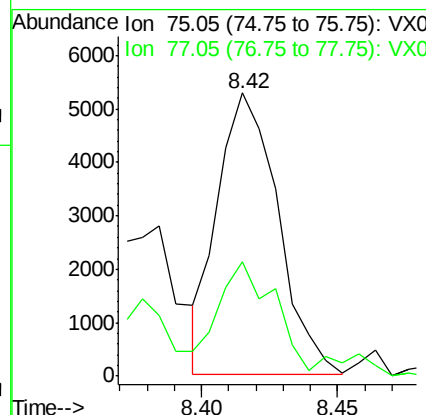
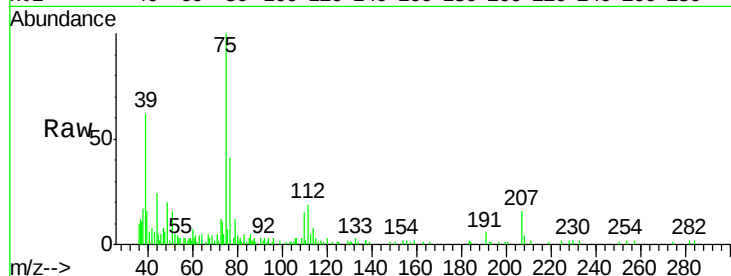
#39
 cis-1,3-Dichloropropene
 Concen: 0.216 ug/L
 RT: 8.42 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: VX017457.D
 Acq: 21 Jul 2020 16:22

Instrument :
 MSVOA_X
 ClientSampled :
 MDL03

Tot Ion: 75 Resp: 8070
 Ion Ratio Lower Upper
 75 100
 77 40.6 23.1 42.9

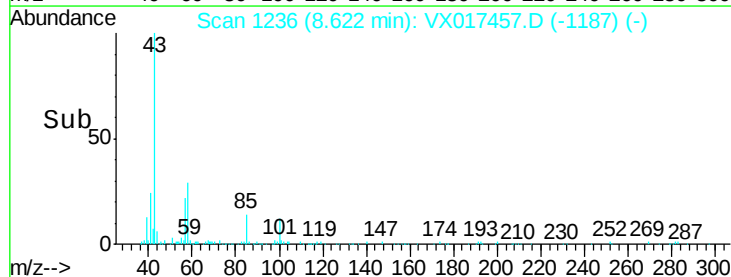
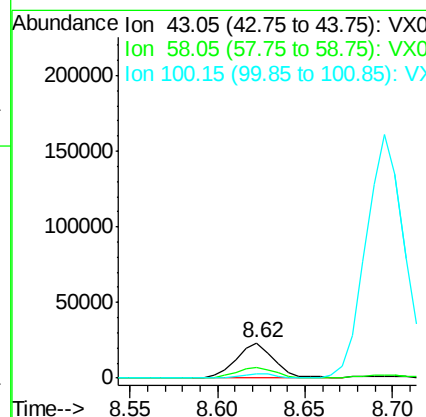
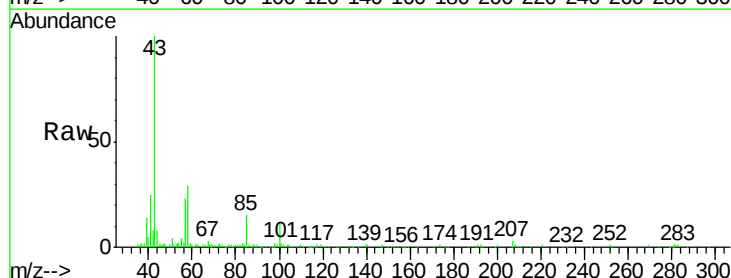
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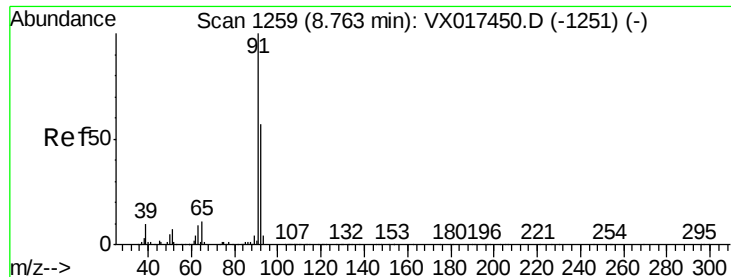
MMDadoda
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#40
 4-Methyl-2-pentanone
 Concen: 2.324 ug/L
 RT: 8.62 min Scan# 1236
 Delta R.T. 0.00 min
 Lab File: VX017457.D
 Acq: 21 Jul 2020 16:22

Tgt Ion: 43 Resp: 35104
 Ion Ratio Lower Upper
 43 100
 58 33.7 30.1 45.1
 100 0.0 6.5 9.7#





#42

Toluene

Concen: 0.247 ug/L

RT: 8.77 min Scan# 1260

Delta R.T. 0.01 min

Lab File: VX017457.D

Acq: 21 Jul 2020 16:22

Instrument :

MSVOA_X

ClientSampleId :

MDL03

Tot Ion: 91 Resp: 25391

Ion Ratio Lower Upper

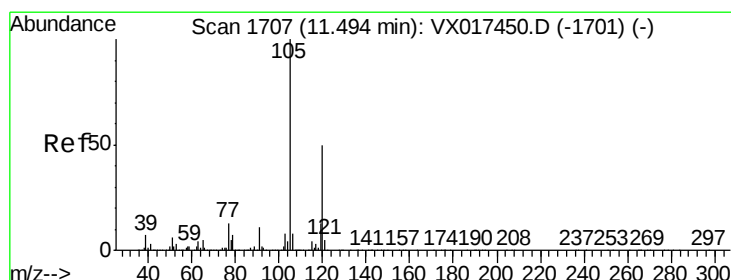
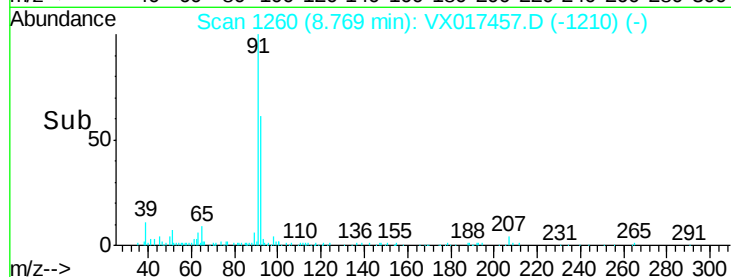
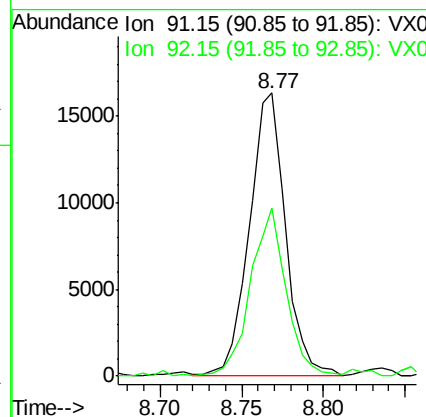
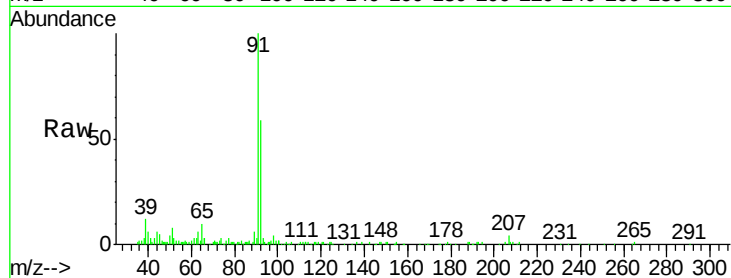
91 100

92 59.5 39.9 74.1

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#43

1,3,5-Trimethylbenzene

Concen: 0.201 ug/L

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX017457.D

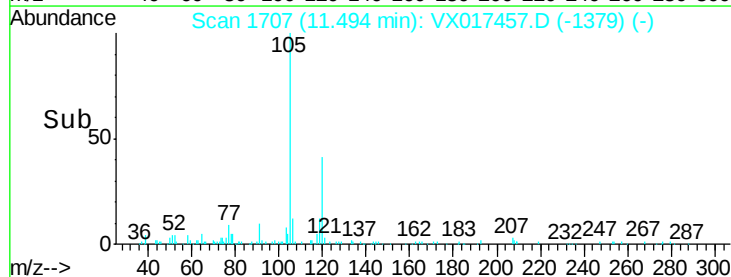
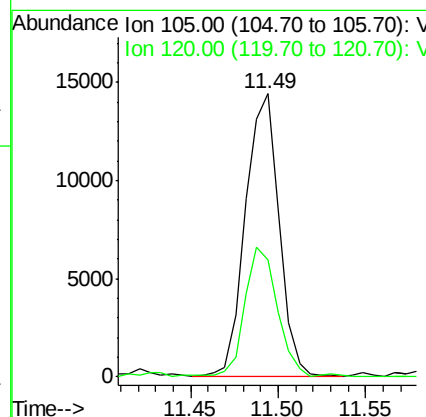
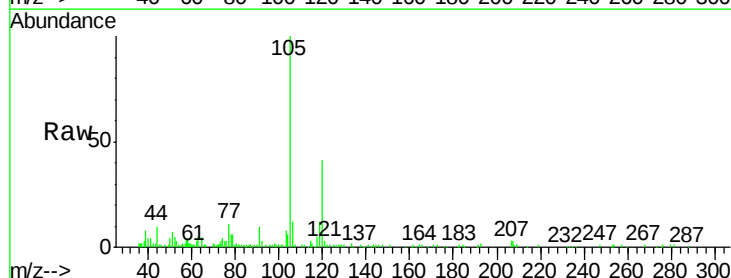
Acq: 21 Jul 2020 16:22

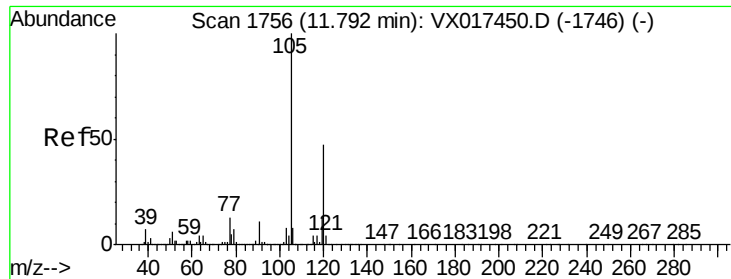
Tgt Ion: 105 Resp: 19311

Ion Ratio Lower Upper

105 100

120 43.2 38.2 57.2





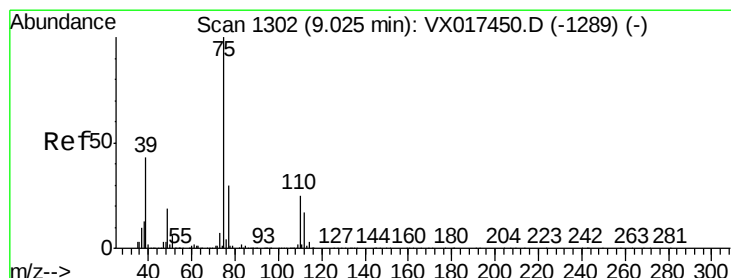
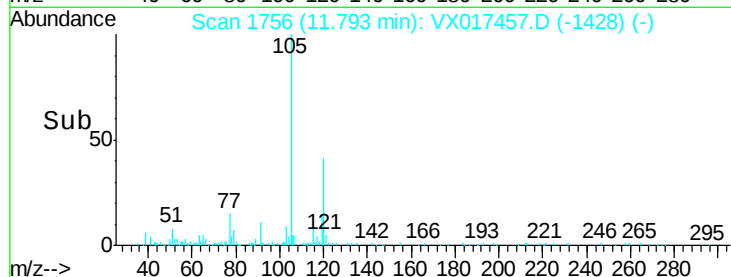
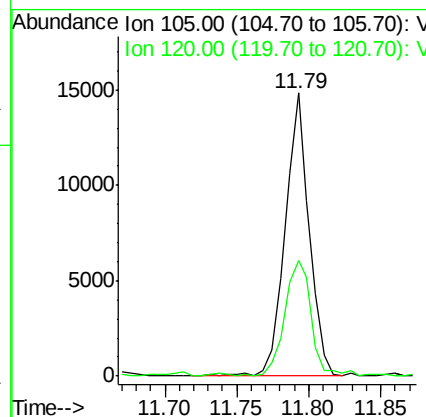
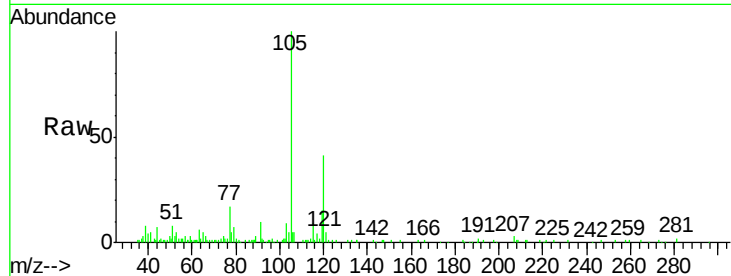
#44
 1,2,4-Trimethylbenzene
 Concen: 0.182 ug/L
 RT: 11.79 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VX017457.D
 Acq: 21 Jul 2020 16:22

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL03

Tot Ion:105 Resp: 17325
 Ion Ratio Lower Upper
 105 100
 120 45.5 36.5 54.7

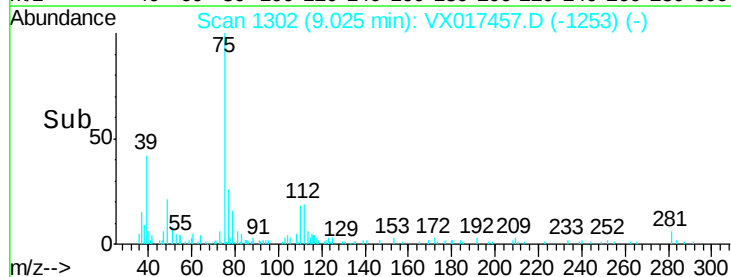
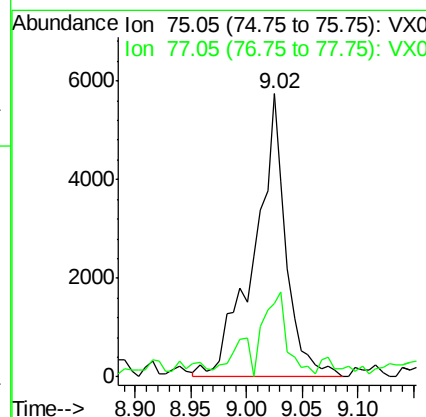
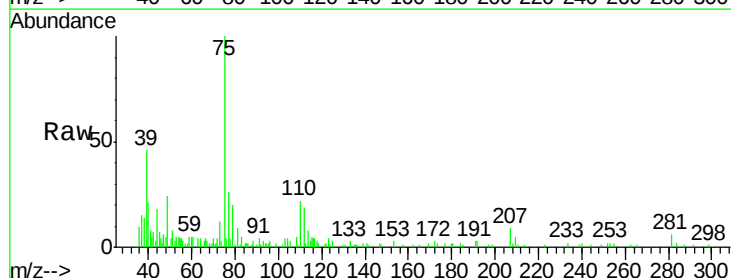
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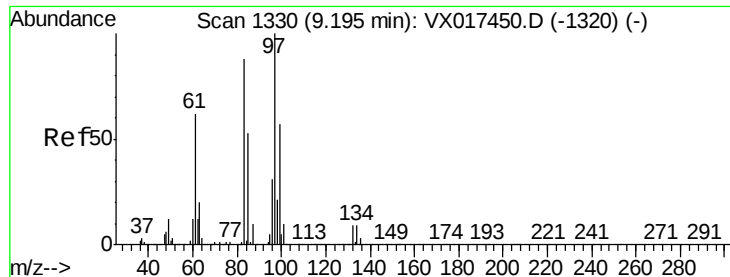
MMDadoda
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#46
 trans-1,3-Dichloropropene
 Concen: 0.355 ug/L
 RT: 9.02 min Scan# 1302
 Delta R.T. 0.00 min
 Lab File: VX017457.D
 Acq: 21 Jul 2020 16:22

Tgt Ion: 75 Resp: 11411
 Ion Ratio Lower Upper
 75 100
 77 26.0 21.4 39.8





#47

1,1,2-Trichloroethane

Concen: 0.284 ug/L

RT: 9.20 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VX017457.D

Acq: 21 Jul 2020 16:22

Instrument :

MSVOA_X

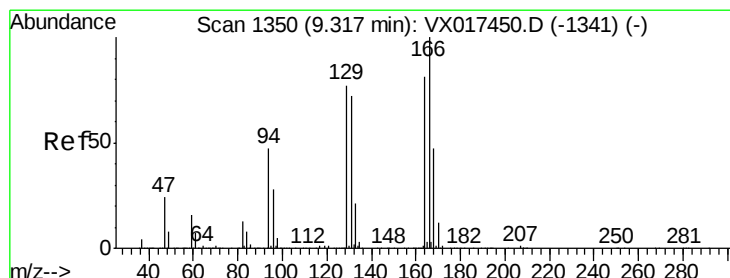
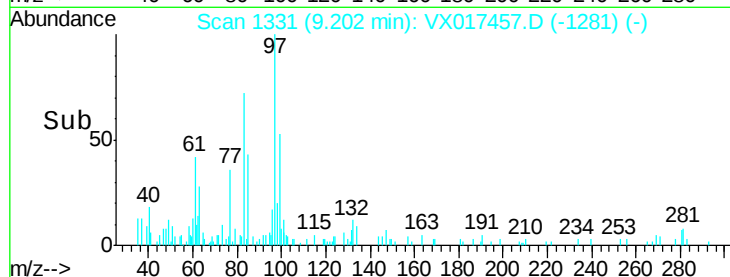
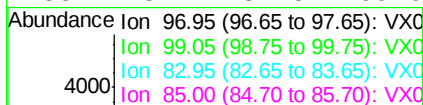
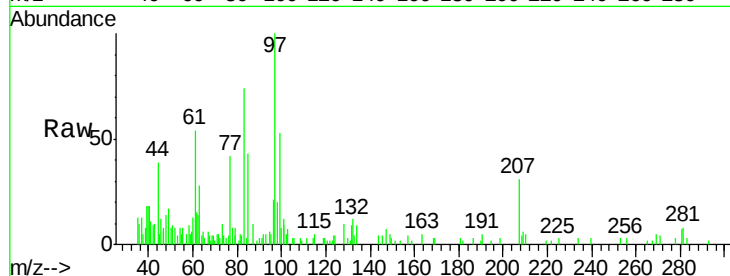
ClientSampleId :

MDL03

Tot Ion	97	Resp	5021
Ion	Ratio	Lower	Upper
97	100		
99	53.0	40.2	74.6
83	74.3	61.6	114.4
85	43.4	37.5	69.6

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#49

Tetrachloroethene

Concen: 0.267 ug/L

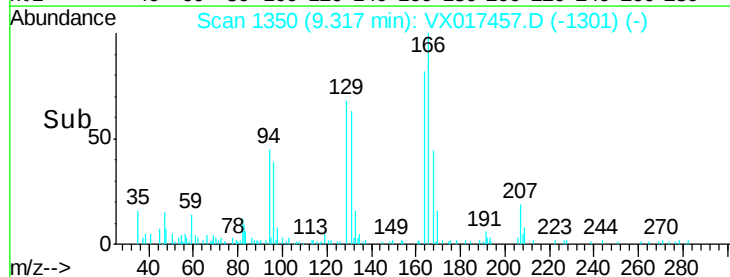
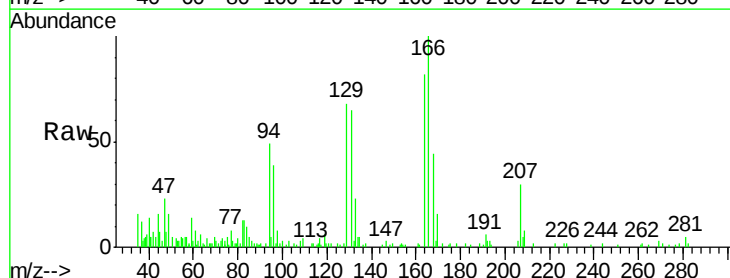
RT: 9.32 min Scan# 1350

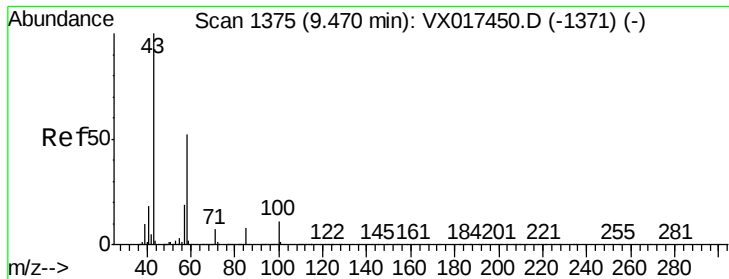
Delta R.T. 0.00 min

Lab File: VX017457.D

Acq: 21 Jul 2020 16:22

Tgt Ion	164	Resp	6009
Ion	Ratio	Lower	Upper
164	100		
129	83.9	66.6	123.8
131	79.4	62.6	116.2
166	122.5	86.9	161.5





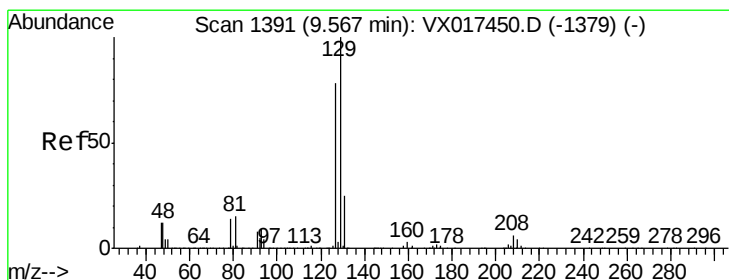
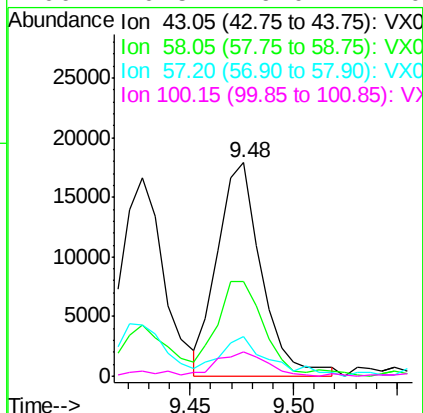
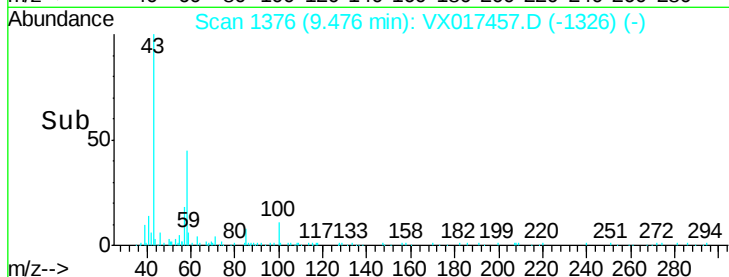
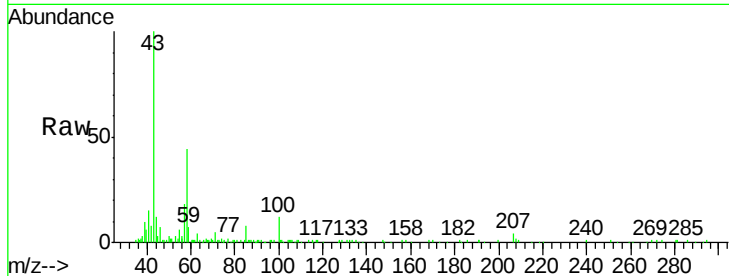
#50
2-Hexanone
Concen: 2.391 ug/L m
RT: 9.48 min Scan# 1376
Delta R.T. 0.01 min
Lab File: VX017457.D
Acq: 21 Jul 2020 16:22

Instrument :
MSVOA_X
ClientSampled :
MDL03

Tot Ion	Ratio	Lower	Upper
43	100		
58	1.8	41.4	62.0#
57	1.0	26.9	40.3#
100	0.5	16.0	24.0#

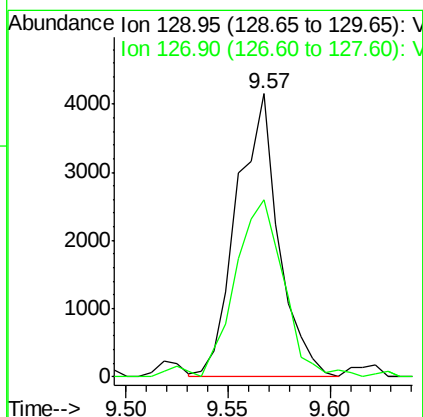
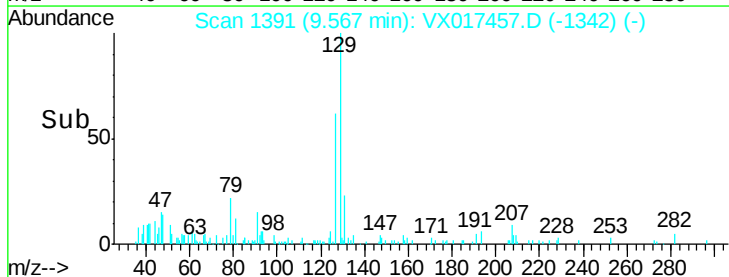
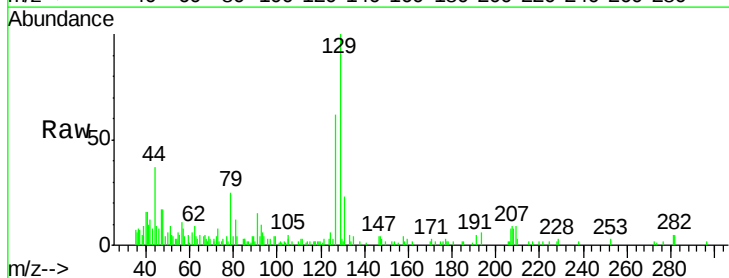
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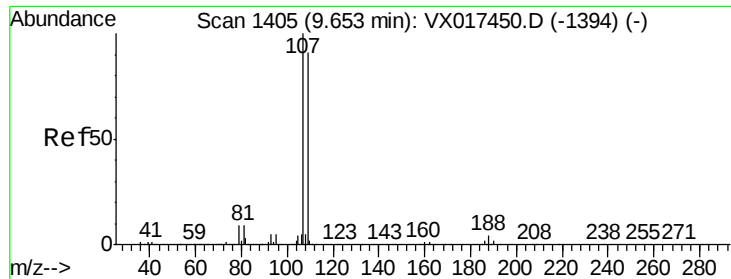
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#51
Dibromochloromethane
Concen: 0.245 ug/L
RT: 9.57 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VX017457.D
Acq: 21 Jul 2020 16:22

Tgt Ion	Ratio	Lower	Upper
129	100		
127	62.4	54.7	101.5





#52

1,2-Dibromoethane

Concen: 0.273 ug/L

RT: 9.66 min Scan# 1406

Delta R.T. 0.01 min

Lab File: VX017457.D

Acq: 21 Jul 2020 16:22

Instrument :

MSVOA_X

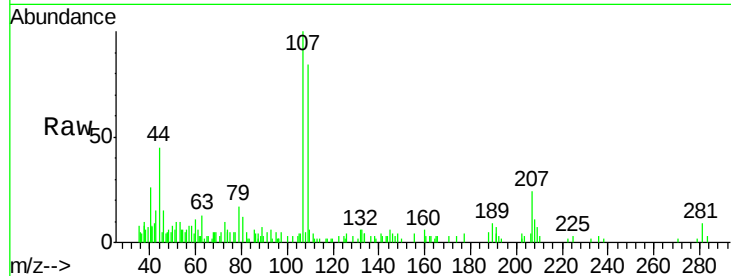
ClientSampleId :

MDL03

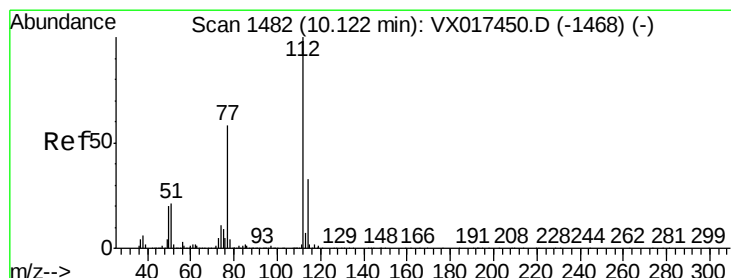
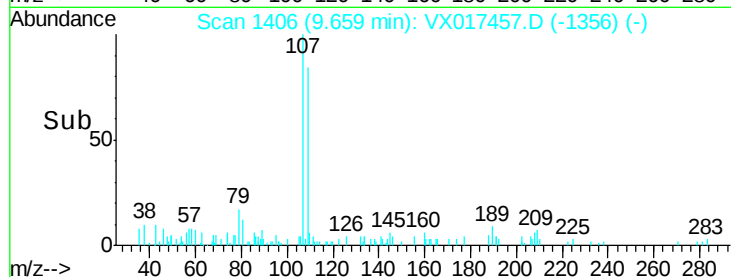
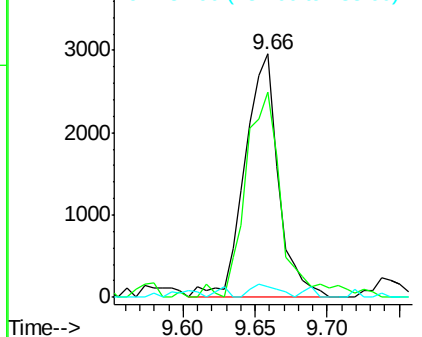
Tot Ion:	107	Resp:	4777
Ion Ratio	Lower	Upper	
107	100		
109	84.1	63.9	118.7
188	4.6	3.0	4.4#

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Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V



#53

Chlorobenzene

Concen: 0.249 ug/L

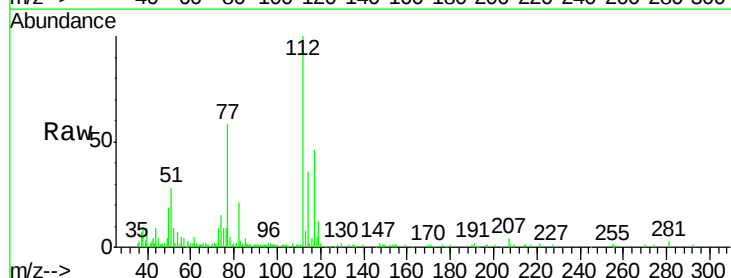
RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

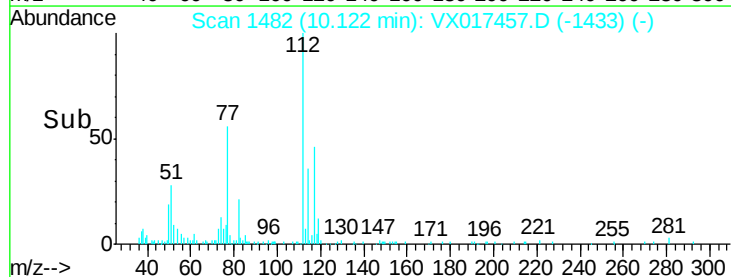
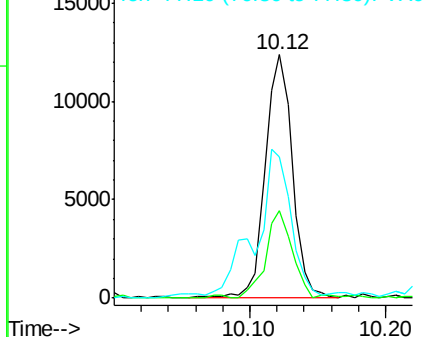
Lab File: VX017457.D

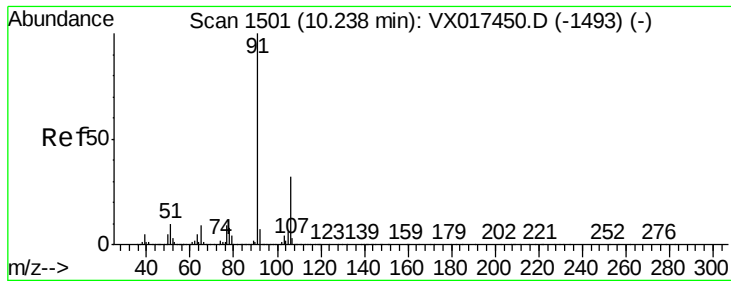
Acq: 21 Jul 2020 16:22

Tgt Ion:	112	Resp:	17447
Ion Ratio	Lower	Upper	
112	100		
114	36.0	23.1	42.9
77	58.2	46.2	69.2



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#54

Ethylbenzene

Concen: 0.236 ug/L

RT: 10.23 min Scan# 1500

Delta R.T. -0.01 min

Lab File: VX017457.D

Acq: 21 Jul 2020 16:22

Instrument :

MSVOA_X

ClientSampleId :

MDL03

Tot Ion: 91 Resp: 26404

Ion Ratio Lower Upper

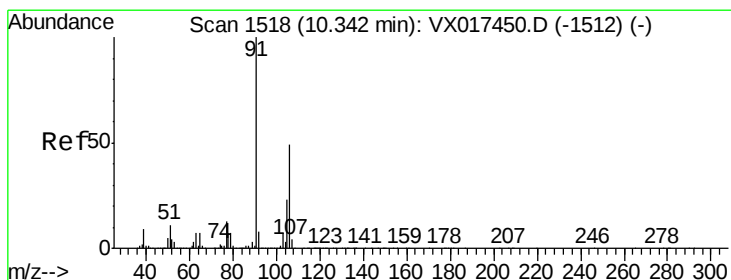
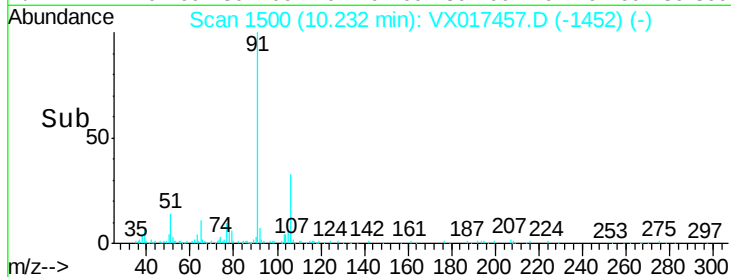
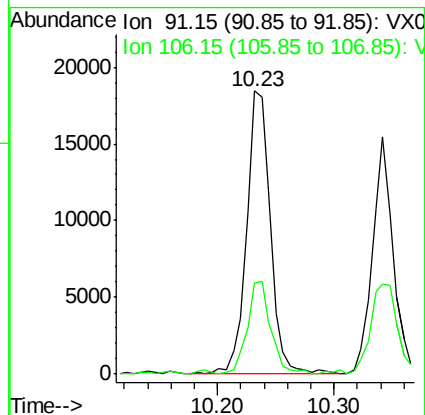
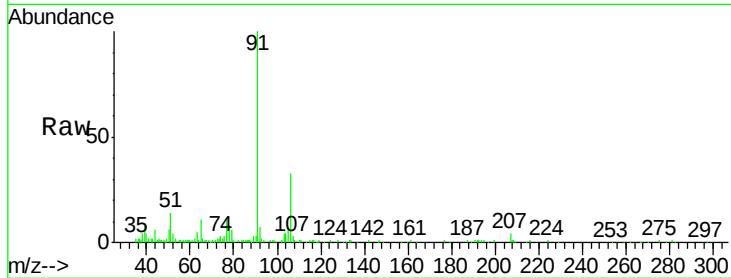
91 100

106 32.5 22.5 41.7

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#55

m,p-xylene

Concen: 0.214 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX017457.D

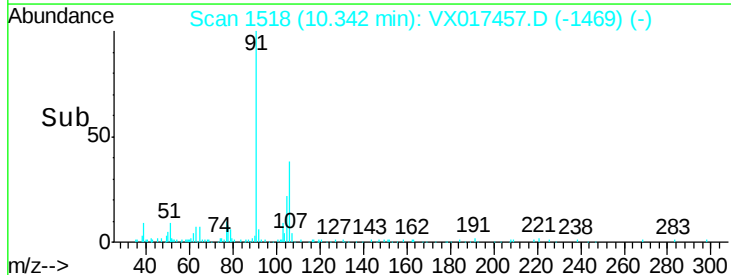
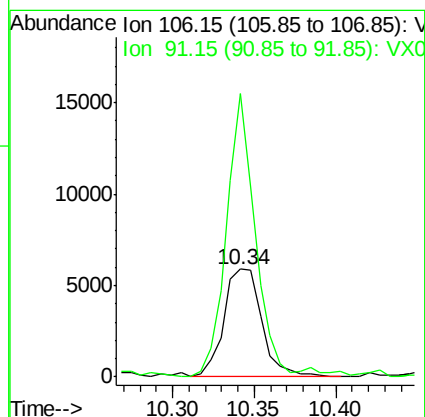
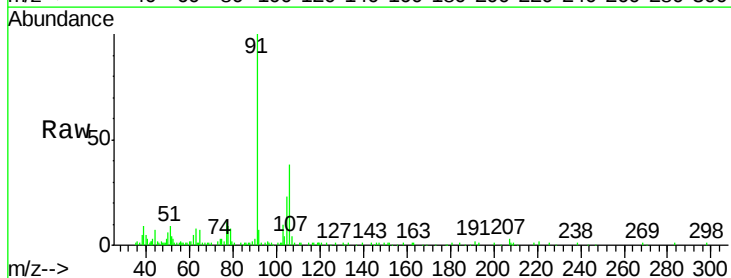
Acq: 21 Jul 2020 16:22

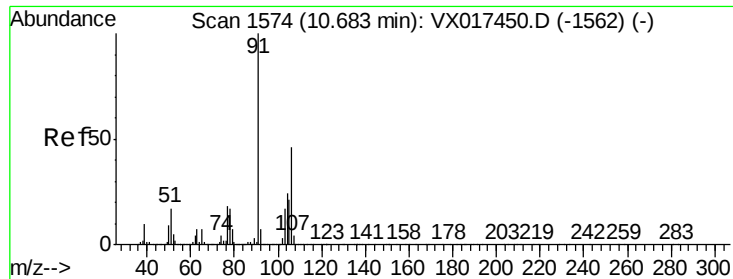
Tgt Ion: 106 Resp: 9540

Ion Ratio Lower Upper

106 100

91 263.3 142.7 264.9





#56

o-xylene

Concen: 0.224 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VX017457.D

Acq: 21 Jul 2020 16:22

Instrument :

MSVOA_X

ClientSampled :

MDL03

Tot Ion:106 Resp: 9680

Ion Ratio Lower Upper

106 100

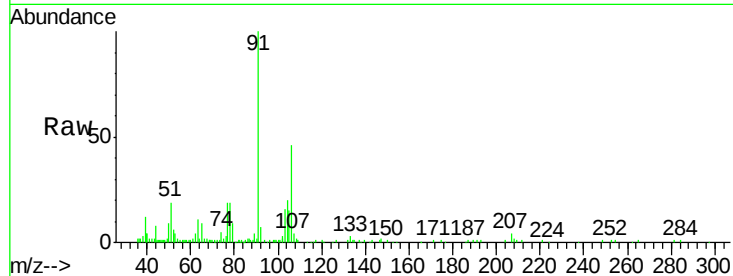
91 216.2 153.4 284.8

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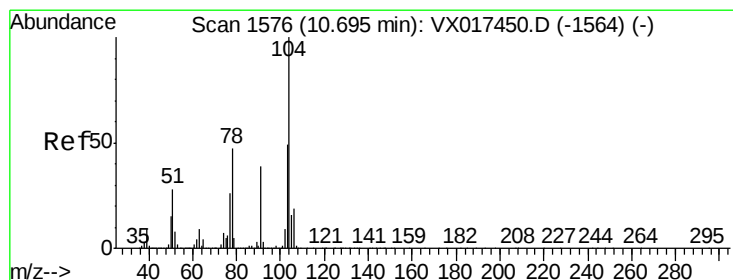
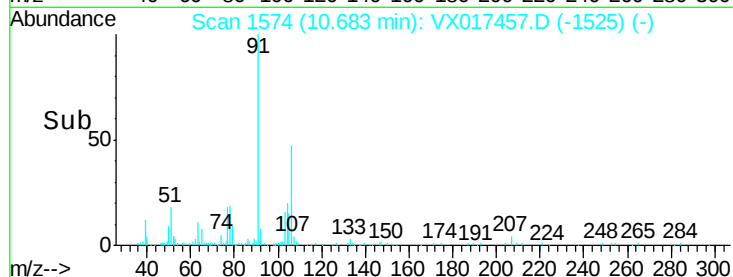
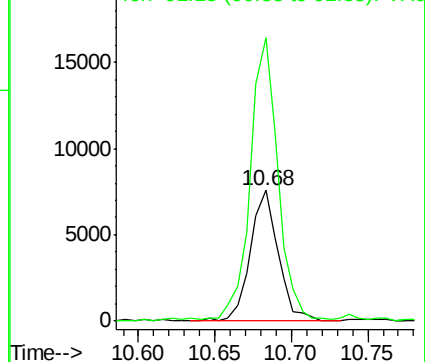
MMDadoda

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Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0



#57

Styrene

Concen: 0.215 ug/L

RT: 10.70 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VX017457.D

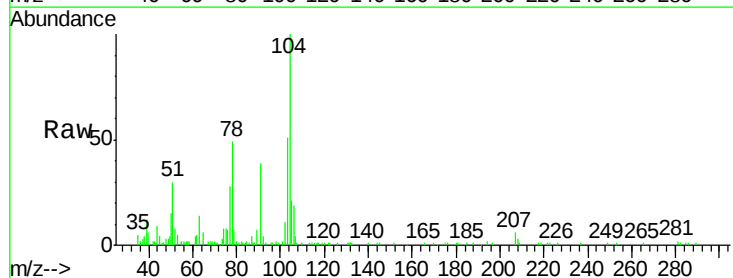
Acq: 21 Jul 2020 16:22

Tgt Ion:104 Resp: 15458

Ion Ratio Lower Upper

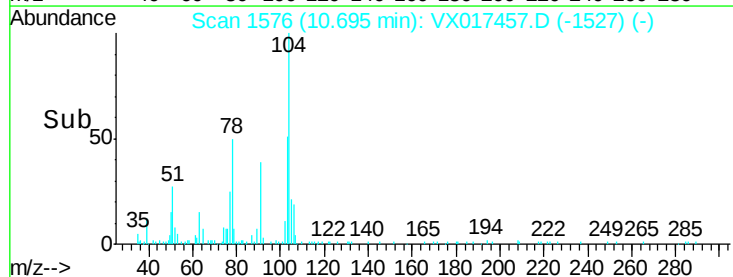
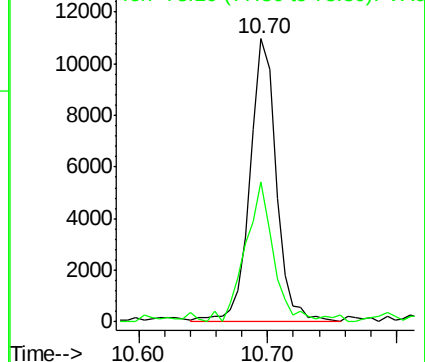
104 100

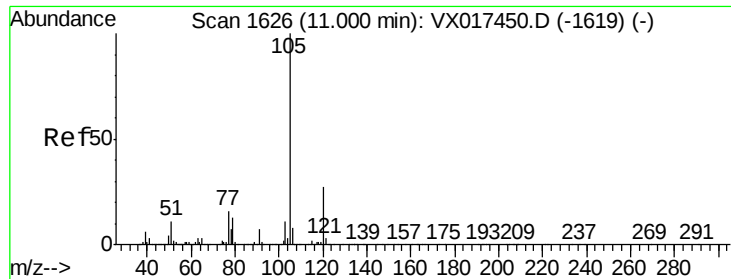
78 49.3 32.6 60.6



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VX0





#58

Isopropylbenzene

Concen: 0.223 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX017457.D

Acq: 21 Jul 2020 16:22

Instrument :

MSVOA_X

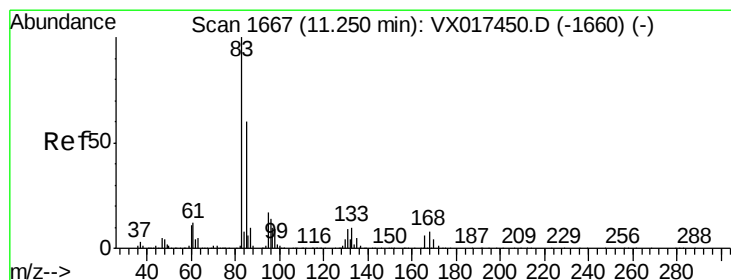
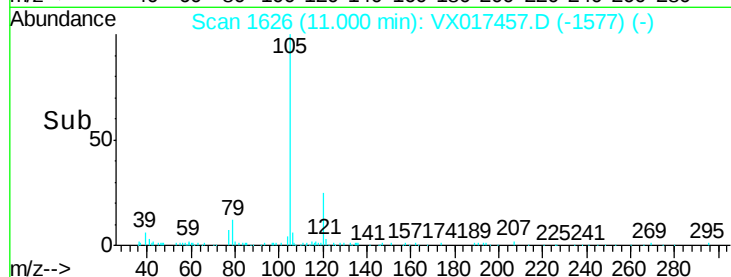
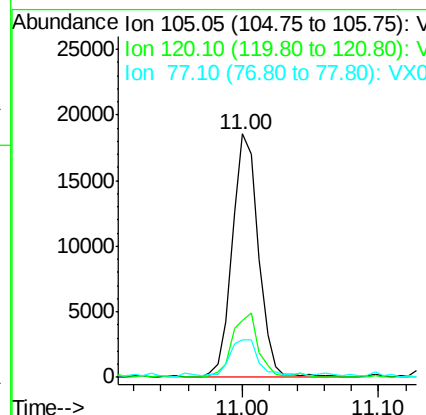
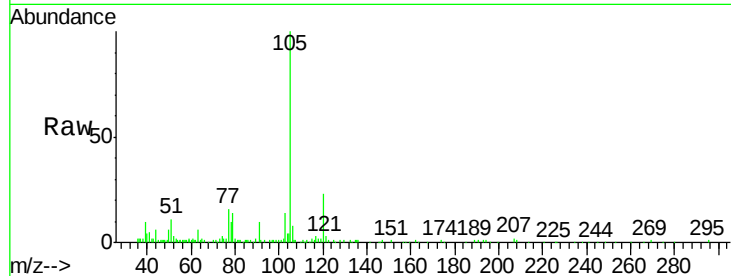
ClientSampled :

MDL03

Tot Ion:	105	Resp:	24916
Ion Ratio	Lower	Upper	
105	100		
120	25.9	21.4	32.2
77	17.1	13.0	19.6

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#60

1,1,2,2-Tetrachloroethane

Concen: 0.271 ug/L

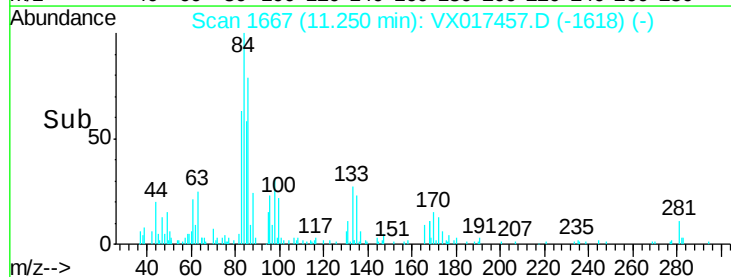
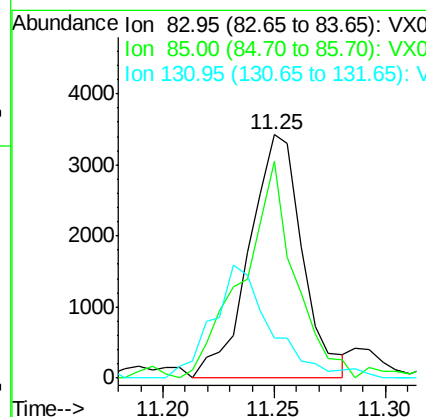
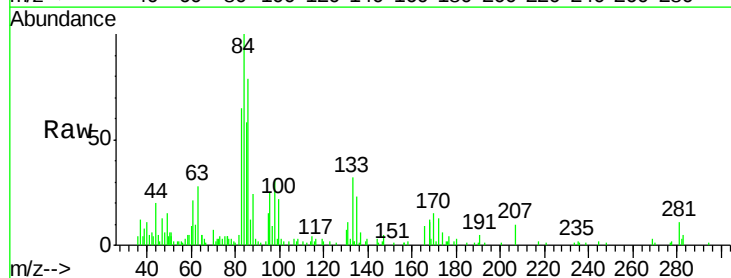
RT: 11.25 min Scan# 1667

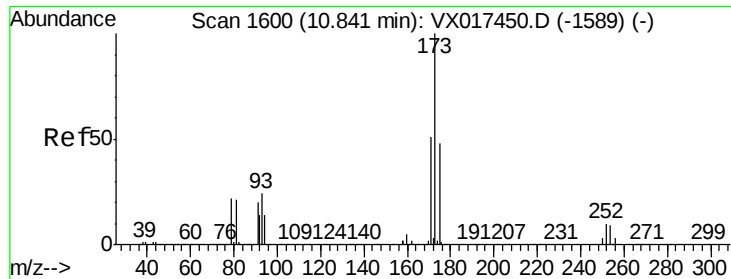
Delta R.T. 0.00 min

Lab File: VX017457.D

Acq: 21 Jul 2020 16:22

Tgt Ion:	83	Resp:	5704
Ion Ratio	Lower	Upper	
83	100		
85	88.9	42.1	78.1#
131	16.4	7.7	11.5#





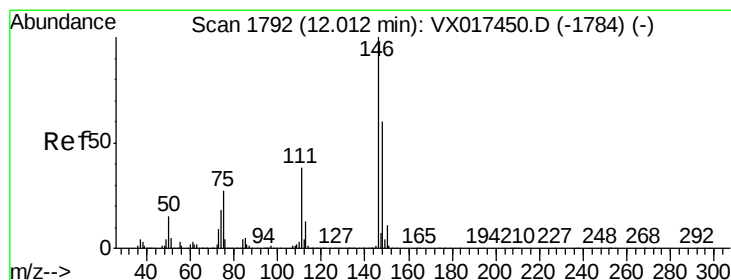
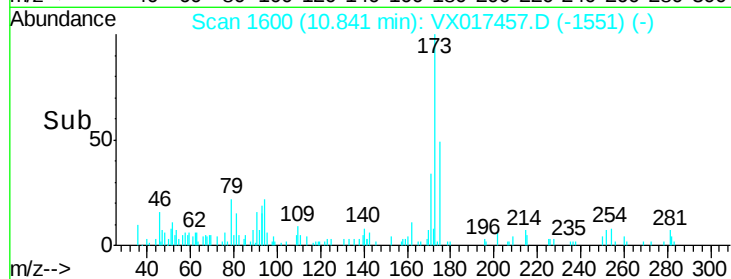
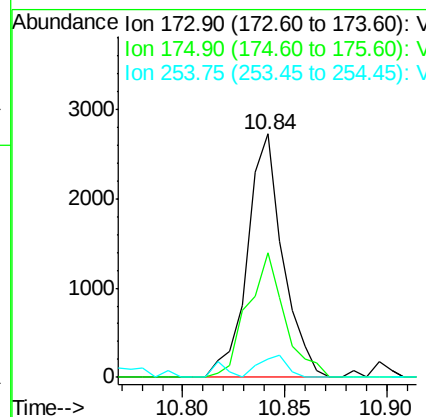
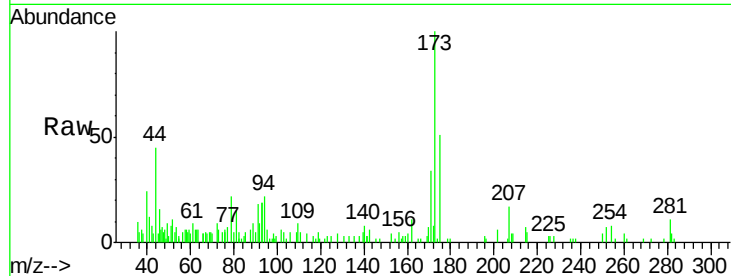
#62
Bromoform
Concen: 0.252 ug/L
RT: 10.84 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VX017457.D
Acq: 21 Jul 2020 16:22

Instrument :
MSVOA_X
ClientSampleId :
MDL03

Tot Ion	Ratio	Lower	Upper
173	100		
175	53.9	38.4	57.6
254	7.2	7.4	11.2#

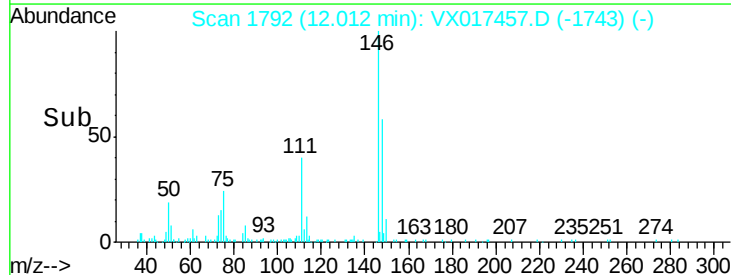
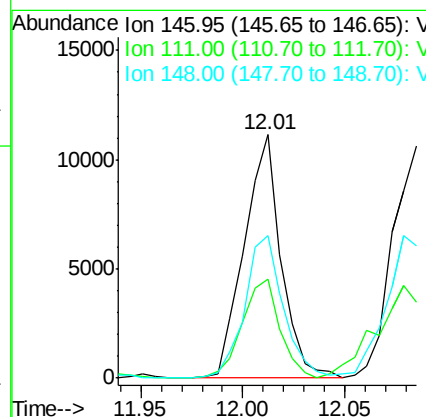
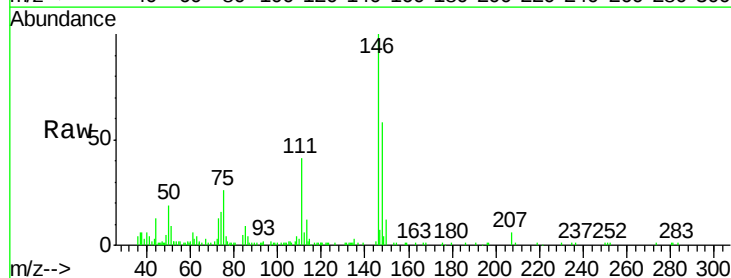
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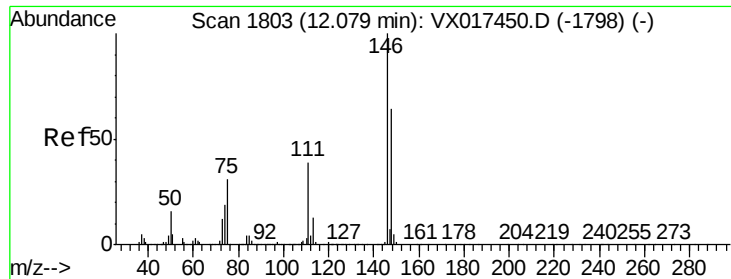
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#63
1,3-Dichlorobenzene
Concen: 0.266 ug/L
RT: 12.01 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX017457.D
Acq: 21 Jul 2020 16:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	26.8	49.8
148	58.4	42.1	78.3





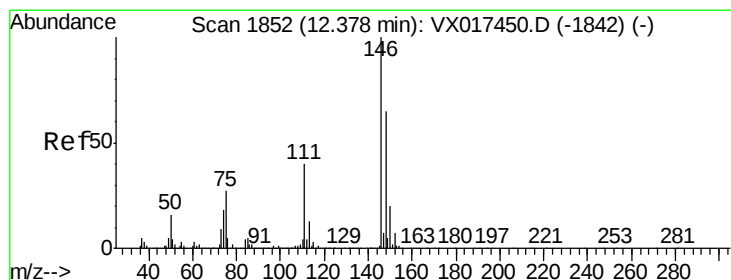
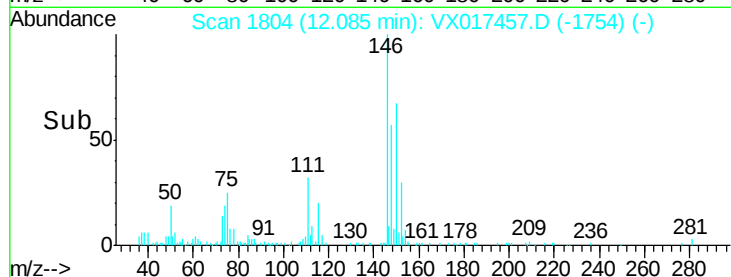
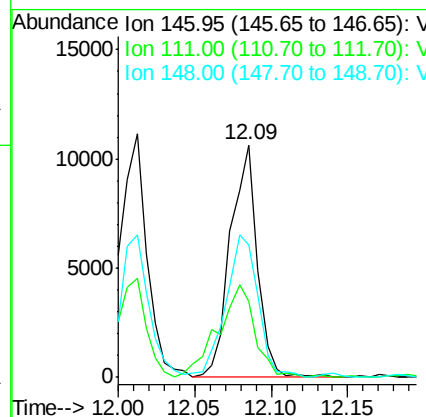
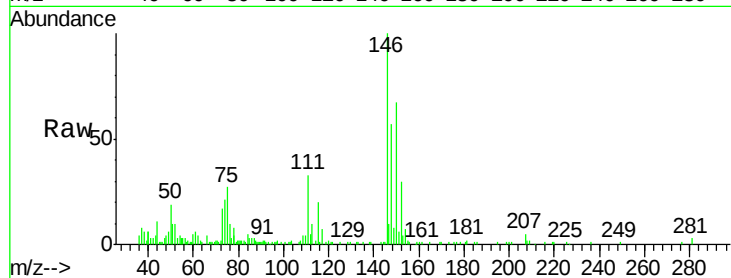
#64
1,4-Dichlorobenzene
Concen: 0.253 ug/L
RT: 12.09 min Scan# 1804
Delta R.T. 0.01 min
Lab File: VX017457.D
Acq: 21 Jul 2020 16:22

Instrument :
MSVOA_X
ClientSampled :
MDL03

Tot Ion	Ratio	Lower	Upper
146	100		
111	32.7	27.7	51.5
148	56.9	44.9	83.5

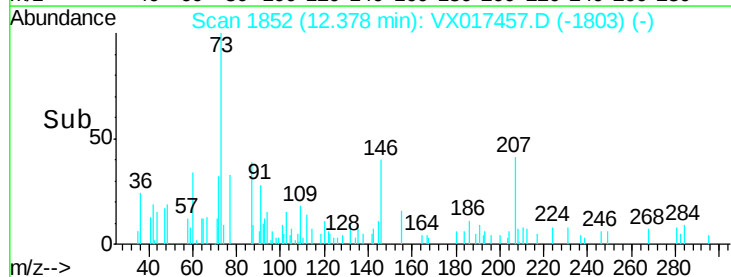
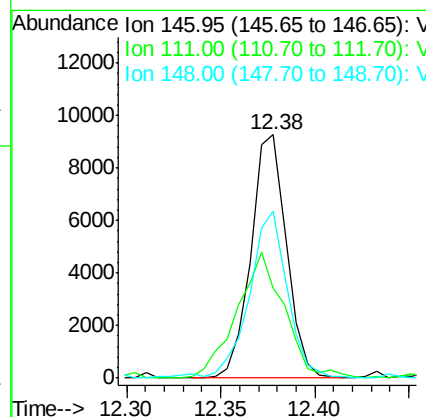
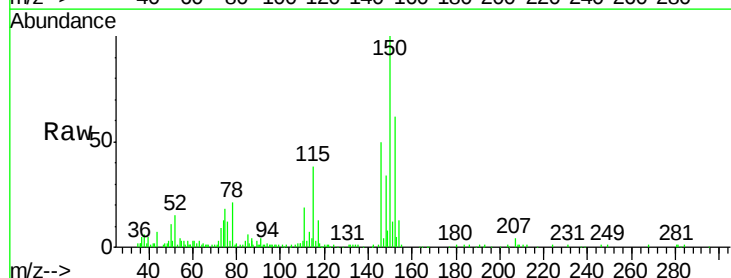
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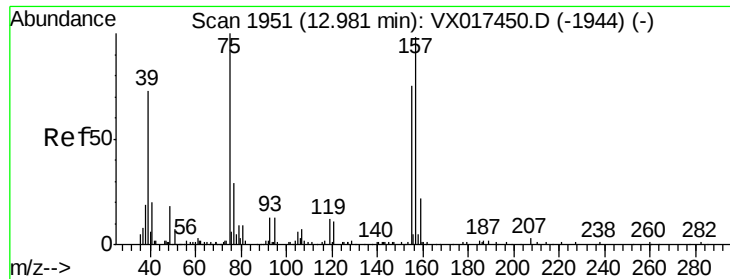
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#66
1,2-Dichlorobenzene
Concen: 0.250 ug/L
RT: 12.38 min Scan# 1852
Delta R.T. 0.00 min
Lab File: VX017457.D
Acq: 21 Jul 2020 16:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	31.8	47.6
148	68.3	51.8	77.8





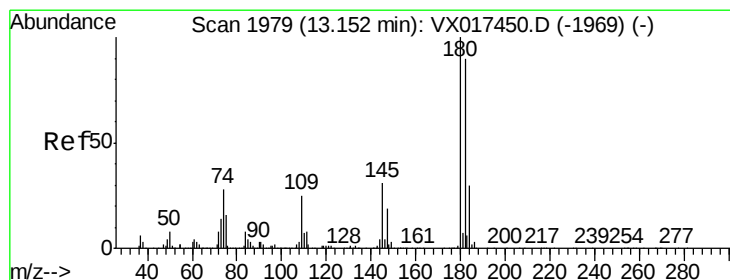
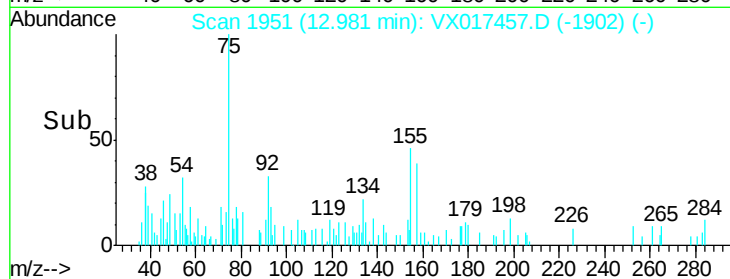
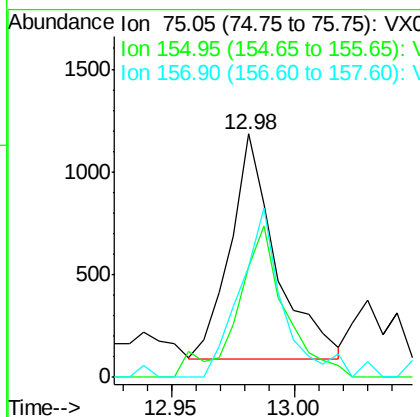
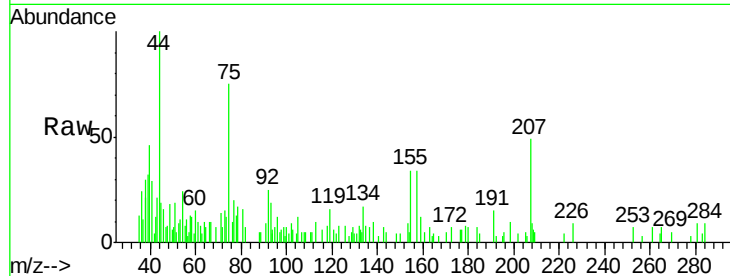
#67
 1,2-Dibromo-3-chloropropane
 Concen: 0.330 ug/L
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX017457.D
 Acq: 21 Jul 2020 16:22

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL03

Tot Ion	Ratio	Lower	Upper
75	100		
155	45.6	59.6	89.4#
157	45.2	78.7	118.1#

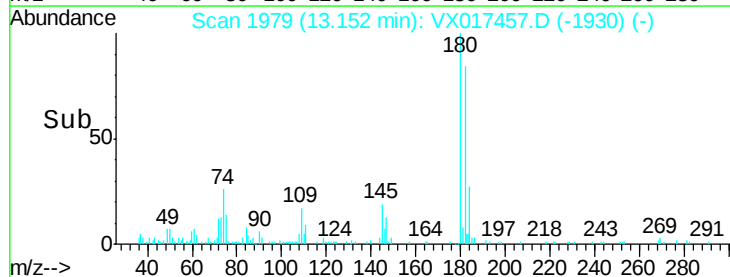
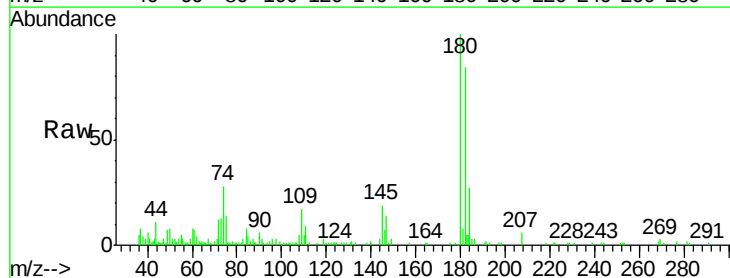
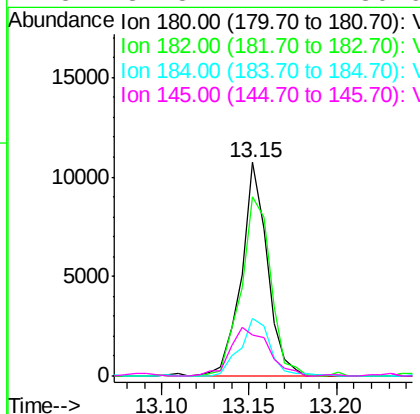
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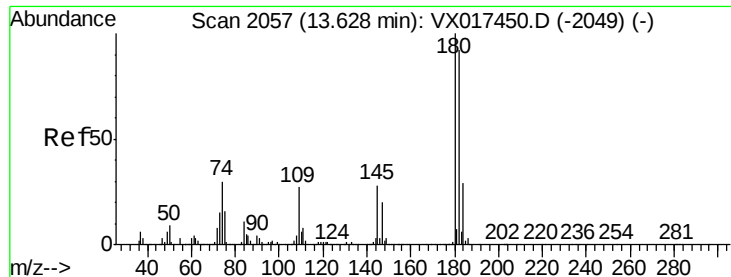
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#68
 1,3,5-Trichlorobenzene
 Concen: 0.250 ug/L
 RT: 13.15 min Scan# 1979
 Delta R.T. 0.00 min
 Lab File: VX017457.D
 Acq: 21 Jul 2020 16:22

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	73.8	110.8
184	31.2	24.2	36.2
145	32.8	24.4	36.6





#69

1,2,4-trichlorobenzene

Concen: 0.240 ug/L

RT: 13.63 min Scan# 2057

Delta R.T. 0.00 min

Lab File: VX017457.D

Acq: 21 Jul 2020 16:22

Instrument :

MSVOA_X

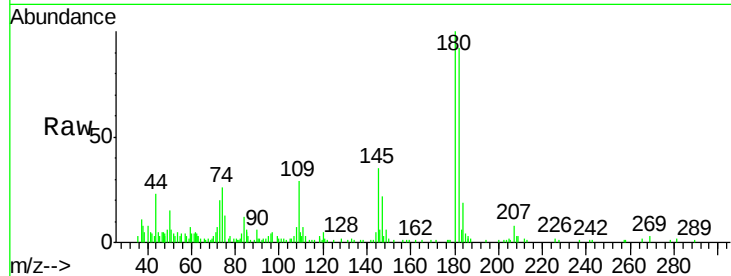
ClientSampleId :

MDL03

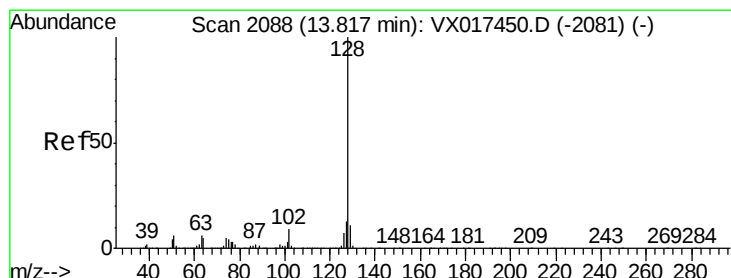
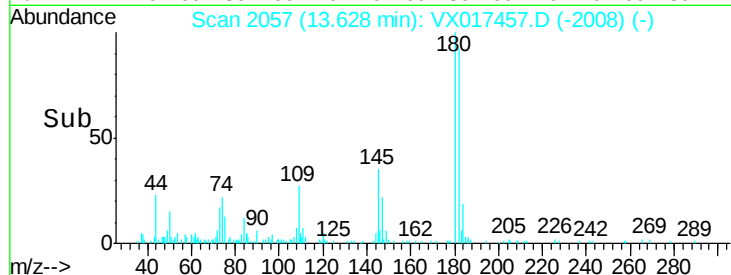
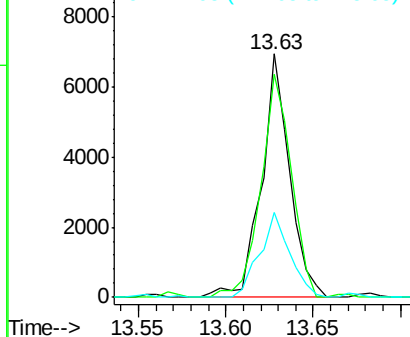
Tot Ion	Ratio	Resp	Lower	Upper
180	100	7778		
182	98.9		75.3	112.9
145	37.1		24.3	36.5

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Abundance Ion 179.90 (179.60 to 180.60): V
Ion 182.00 (181.70 to 182.70): V
Ion 144.95 (144.65 to 145.65): V



#70

Naphthalene

Concen: 0.204 ug/L

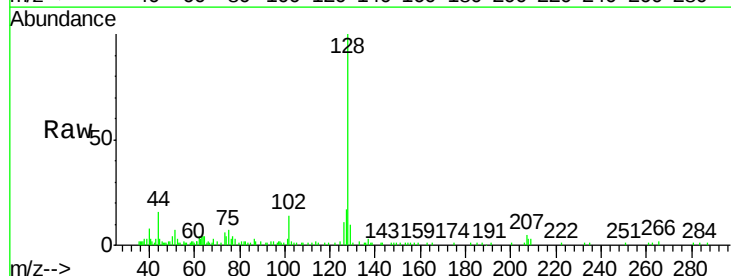
RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

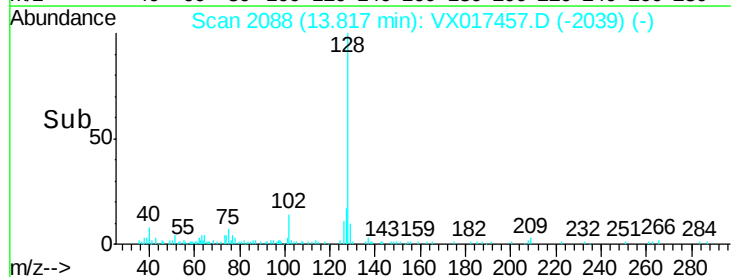
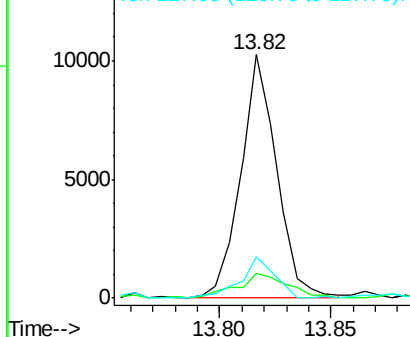
Lab File: VX017457.D

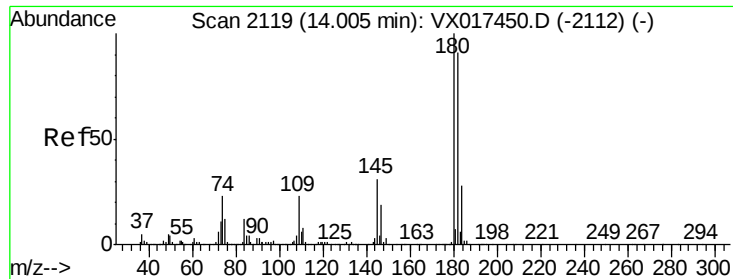
Acq: 21 Jul 2020 16:22

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	11567		
129	14.3		8.7	13.1
127	15.7		10.2	15.4



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V





#71

1,2,3-Trichlorobenzene

Concen: 0.233 ug/L

RT: 14.01 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VX017457.D

Acq: 21 Jul 2020 16:22

Instrument :

MSVOA_X

ClientSampleId :

MDL03

Tot Ion:	180	Resp:	6982
Ion Ratio	Lower	Upper	
180	100		
182	94.8	75.3	112.9
145	39.9	26.9	40.3

Manual Integrations
APPROVED

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