

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072120\
 Data File : VX017456.D
 Acq On : 21 Jul 2020 15:34
 Operator : JC/SP
 Sample : MDL02
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL02

Manual Integrations
 APPROVED

MMDadoda
 7/22/2020 9:10:59 AM

Quant Time: Jul 22 06:43:42 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	371932	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	359312	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	169396	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	125328	4.33	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.60%
7) Chloroethane-d5	1.69	69	89585	4.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.80%
11) 1,1-Dichloroethene-d2	2.34	63	185401	3.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.80%
20) 2-Butanone-d5	4.53	46	261956	48.47	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.94%
24) Chloroform-d	5.14	84	227524	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.20%
26) 1,2-Dichloroethane-d4	6.03	65	124769	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.20%
32) Benzene-d6	6.05	84	434215	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.60%
36) 1,2-Dichloropropane-d6	7.37	67	131982	5.09	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.80%
41) Toluene-d8	8.70	98	394715	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.80%
45) trans-1,3-Dichloropropene-	8.99	79	55672	4.89	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.80%
48) 2-Hexanone-d5	9.43	63	194910	48.33	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.66%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	92546	4.57	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.40%
65) 1,2-Dichlorobenzene-d4	12.36	152	146819	5.12	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	10570	0.258 ug/L	93
3) Chloromethane	1.31	50	10697	0.281 ug/L	96
5) Vinyl chloride	1.39	62	8688m	0.239 ug/L	
6) Bromomethane	1.64	94	5147	0.261 ug/L	79
8) Chloroethane	1.71	64	4916	0.247 ug/L	94
9) Trichlorofluoromethane	1.92	101	12939	0.248 ug/L	89
10) 1,1,2-Trichloro-1,2,2-trif	2.36	101	8511	0.301 ug/L #	80
12) 1,1-Dichloroethene	2.36	96	6710	0.255 ug/L #	1
13) Acetone	2.42	43	11234	2.576 ug/L	90
14) Carbon disulfide	2.55	76	20756	0.232 ug/L	96
15) Methyl Acetate	2.74	43	3595	0.283 ug/L #	58
16) Methylene chloride	2.83	84	14629	0.405 ug/L	85
17) Methyl tert-butyl Ether	3.17	73	13697	0.219 ug/L	96
18) trans-1,2-Dichloroethene	3.14	96	7224	0.258 ug/L	83
19) 1,1-Dichloroethane	3.67	63	10275	0.208 ug/L #	93
21) 2-Butanone	4.64	43	17271	2.486 ug/L	86
22) cis-1,2-Dichloroethene	4.57	96	7670	0.277 ug/L #	86

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 Response via : Initial Calibration

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

23) Bromochloromethane	4.98	128	4021	0.301	ug/L #	85
25) Chloroform	5.18	83	15894	0.307	ug/L	87
27) 1,2-Dichloroethane	6.17	62	7595	0.228	ug/L	96
29) 1,1,1-Trichloroethane	5.47	97	10957	0.227	ug/L	96
30) Cyclohexane	5.54	56	10161	0.260	ug/L #	25
31) Carbon tetrachloride	5.76	117	10225	0.235	ug/L	92
33) Benzene	6.12	78	25497	0.241	ug/L	100
34) Trichloroethene	7.18	95	7463	0.261	ug/L	88
35) Methylcyclohexane	7.44	83	9533	0.247	ug/L	94
37) 1,2-Dichloropropane	7.49	63	7415	0.279	ug/L	98
38) Bromodichloromethane	7.88	83	8404	0.236	ug/L #	97
39) cis-1,3-Dichloropropene	8.42	75	9380	0.244	ug/L	88
40) 4-Methyl-2-pentanone	8.62	43	32596	2.095	ug/L #	95
42) Toluene	8.76	91	24605	0.232	ug/L	89
43) 1,3,5-Trimethylbenzene	11.49	105	18204	0.184	ug/L	98
44) 1,2,4-Trimethylbenzene	11.79	105	16861	0.172	ug/L	98
46) trans-1,3-Dichloropropene	9.02	75	8010m	0.242	ug/L	
47) 1,1,2-Trichloroethane	9.20	97	4377	0.240	ug/L	92
49) Tetrachloroethene	9.32	164	6337	0.273	ug/L	86
50) 2-Hexanone	9.47	43	26214	2.308	ug/L #	86
51) Dibromochloromethane	9.56	129	5710	0.228	ug/L	88
52) 1,2-Dibromoethane	9.65	107	4016	0.223	ug/L #	86
53) Chlorobenzene	10.12	112	17516	0.243	ug/L	97
54) Ethylbenzene	10.23	91	24397	0.212	ug/L	92
55) m,p-xylene	10.34	106	9088	0.198	ug/L	95
56) o-xylene	10.68	106	9104	0.204	ug/L	81
57) Styrene	10.70	104	14308	0.193	ug/L	92
58) Isopropylbenzene	11.00	105	23876	0.207	ug/L	96
60) 1,1,2,2-Tetrachloroethane	11.26	83	4981	0.230	ug/L #	91
62) Bromoform	10.84	173	2940	0.217	ug/L #	86
63) 1,3-Dichlorobenzene	12.01	146	12819	0.235	ug/L	92
64) 1,4-Dichlorobenzene	12.08	146	12768	0.238	ug/L	96
66) 1,2-Dichlorobenzene	12.38	146	12533	0.248	ug/L	88
67) 1,2-Dibromo-3-chloropropan	12.98	75	1455	0.327	ug/L #	73
68) 1,3,5-Trichlorobenzene	13.15	180	11360	0.247	ug/L	99
69) 1,2,4-trichlorobenzene	13.63	180	8001	0.238	ug/L	96
70) Naphthalene	13.82	128	11034	0.187	ug/L #	90
71) 1,2,3-Trichlorobenzene	14.01	180	6723	0.217	ug/L	94

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

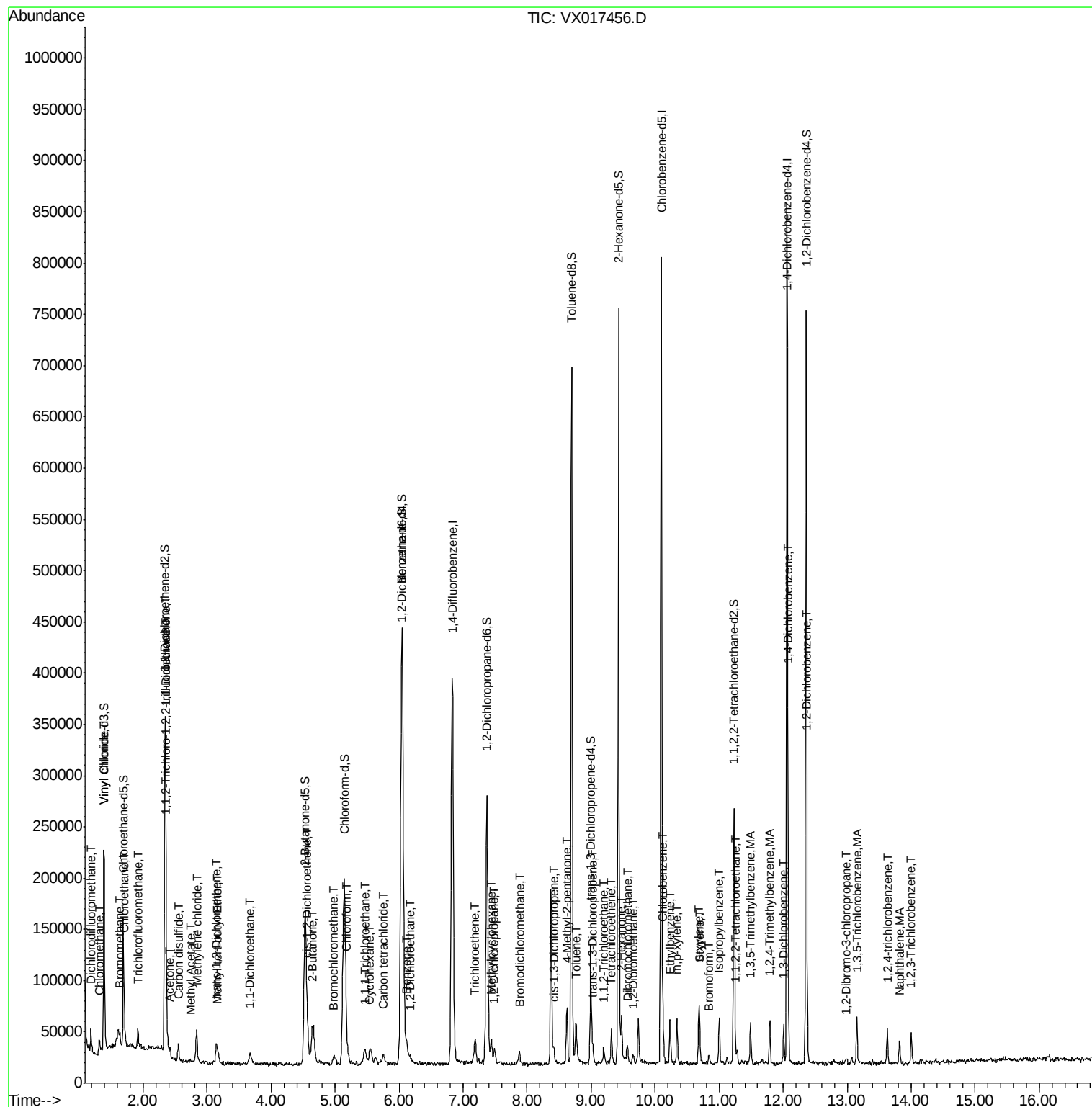
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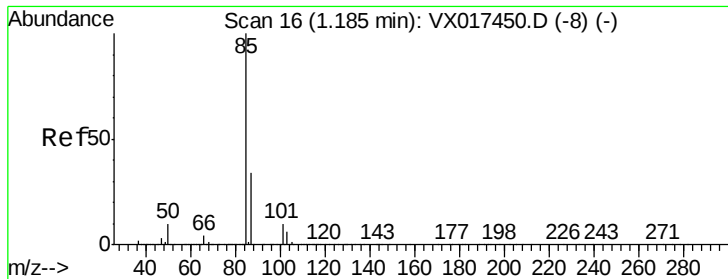
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#2

Dichlorodifluoromethane

Concen: 0.258 ug/L

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX017456.D

Acq: 21 Jul 2020 15:34

Instrument :

MSVOA_X

ClientSampled :

MDL02

Tot Ion: 85 Resp: 10570

Ion Ratio Lower Upper

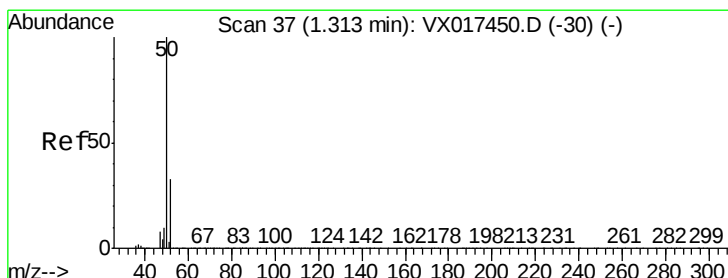
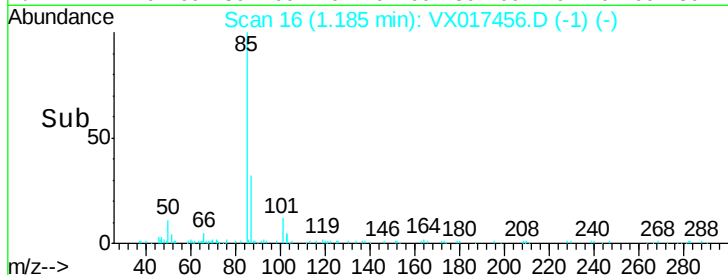
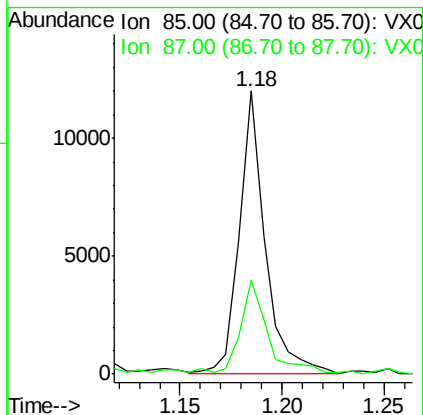
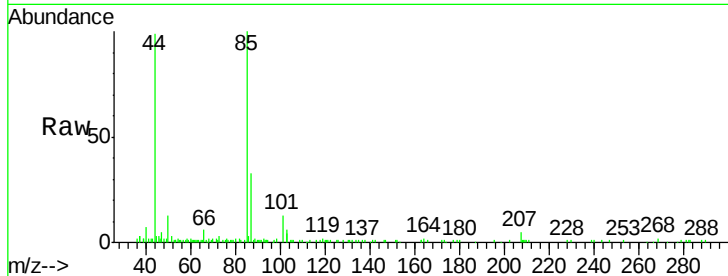
85 100

87 36.6 26.1 39.1

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#3

Chloromethane

Concen: 0.281 ug/L

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX017456.D

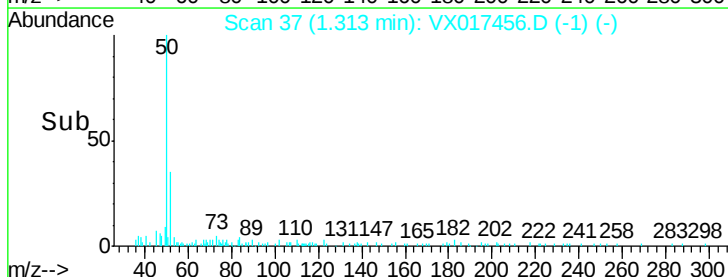
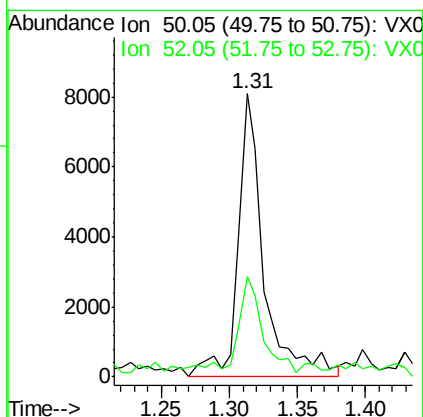
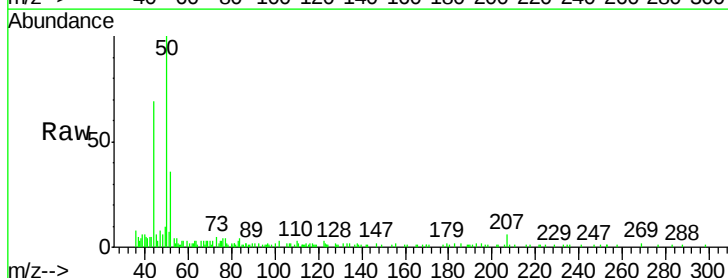
Acq: 21 Jul 2020 15:34

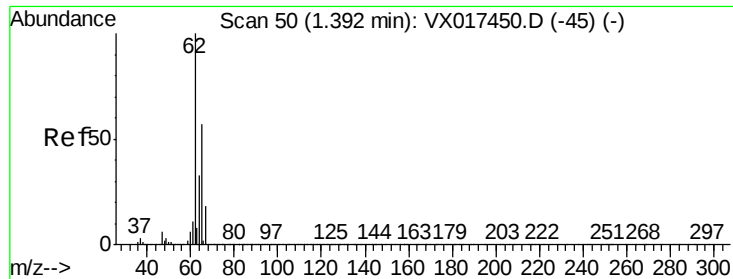
Tgt Ion: 50 Resp: 10697

Ion Ratio Lower Upper

50 100

52 35.6 23.2 43.2





#5

Vinyl chloride

Concen: 0.239 ug/L m

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX017456.D

Acq: 21 Jul 2020 15:34

Instrument :

MSVOA_X

ClientSampleId :

MDL02

Tot Ion: 62 Resp: 8688

Ion Ratio Lower Upper

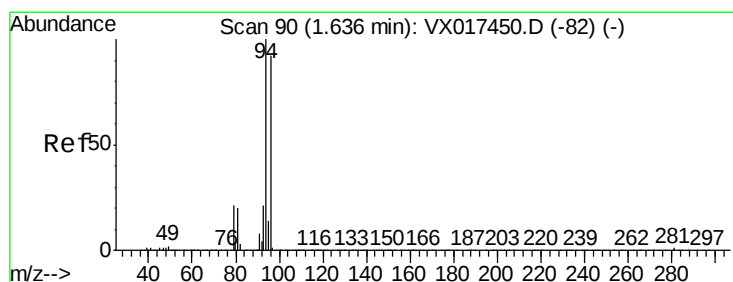
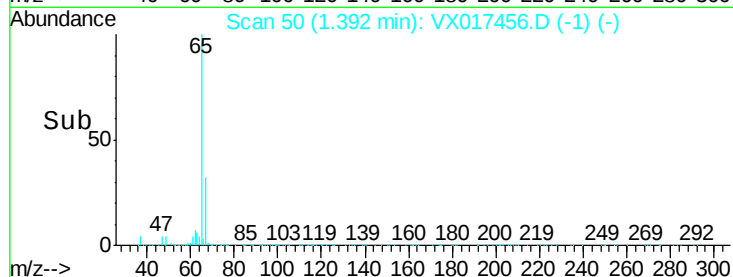
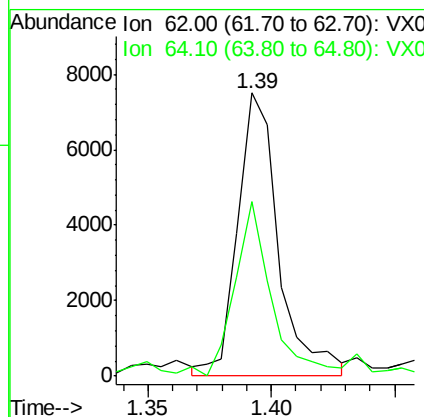
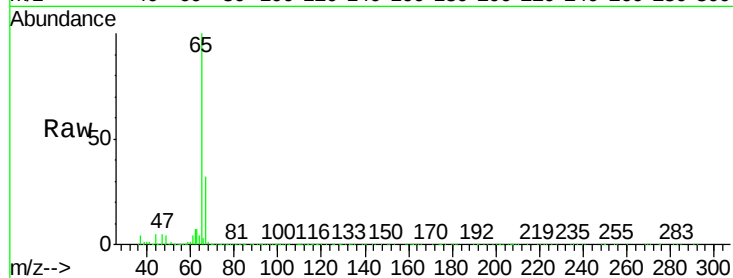
62 100

64 61.8 23.2 43.2#

Manual Integrations
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#6

Bromomethane

Concen: 0.261 ug/L

RT: 1.64 min Scan# 90

Delta R.T. 0.00 min

Lab File: VX017456.D

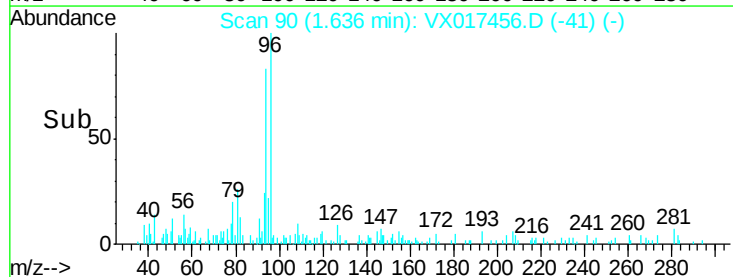
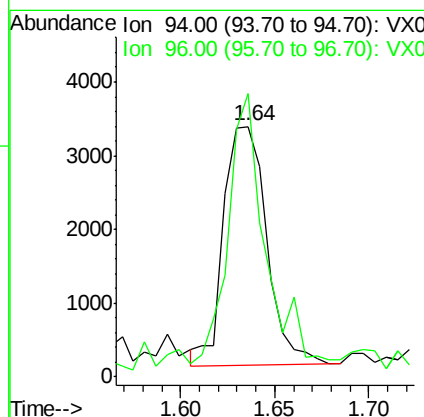
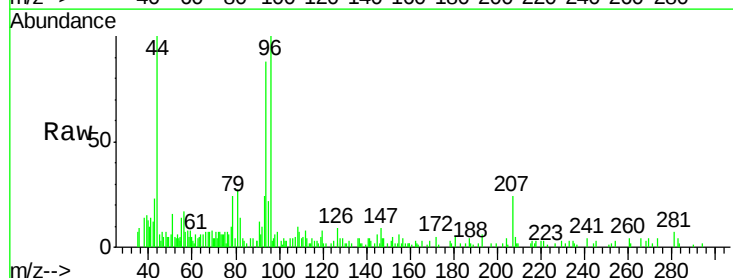
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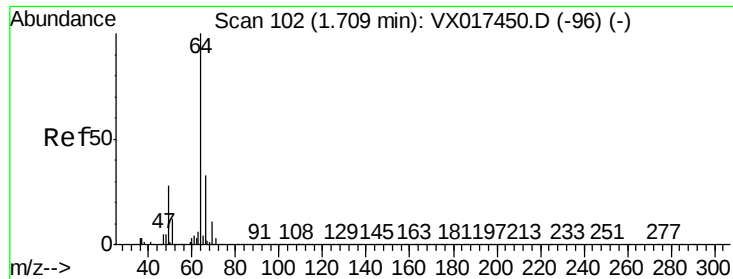
Tgt Ion: 94 Resp: 5147

Ion Ratio Lower Upper

94 100

96 112.9 64.8 120.4





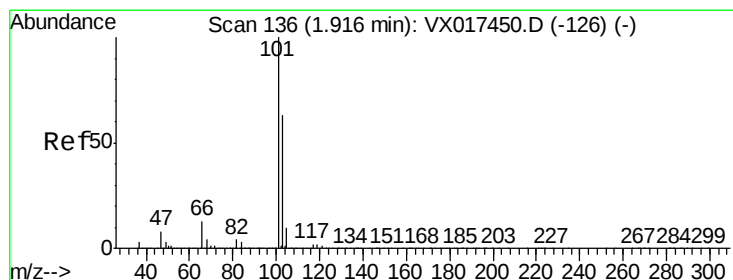
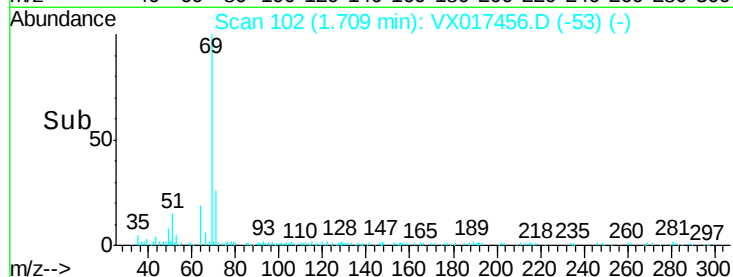
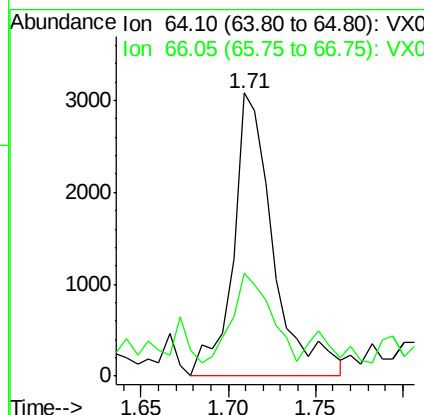
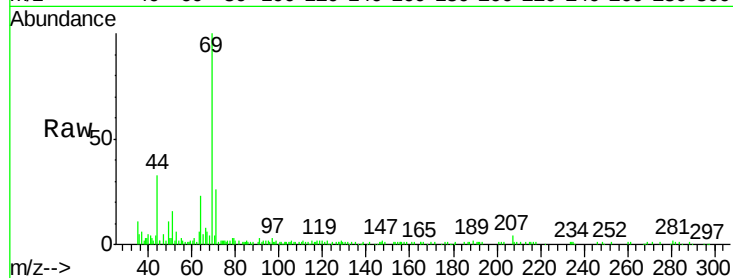
#8
Chloroethane
Concen: 0.247 ug/L
RT: 1.71 min Scan# 102
Delta R.T. 0.00 min
Lab File: VX017456.D
Acq: 21 Jul 2020 15:34

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Tot Ion	64	Resp	4916
Ion Ratio	100	Lower	Upper
66	36.4	23.1	42.9

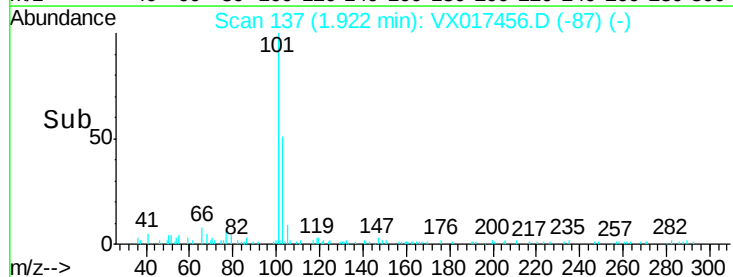
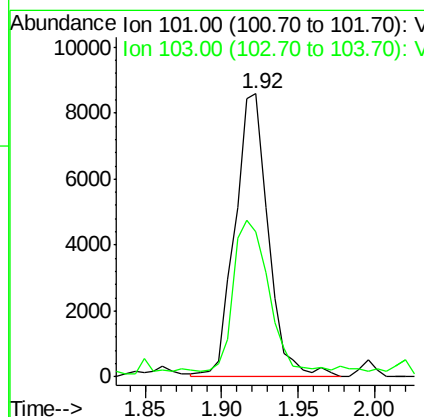
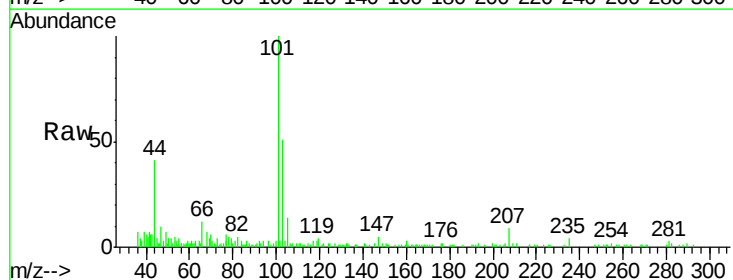
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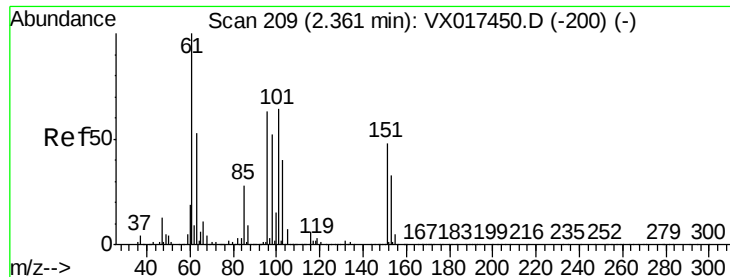
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#9
Trichlorofluoromethane
Concen: 0.248 ug/L
RT: 1.92 min Scan# 137
Delta R.T. 0.01 min
Lab File: VX017456.D
Acq: 21 Jul 2020 15:34

Tgt Ion	101	Resp	12939
Ion Ratio	100	Lower	Upper
103	55.6	51.4	77.2





#10

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

Concen: 0.301 ug/L

RT: 2.36 min Scan# 209

Delta R.T. 0.00 min

Lab File: VX017456.D

Acq: 21 Jul 2020 15:34

Instrument :

MSVOA_X

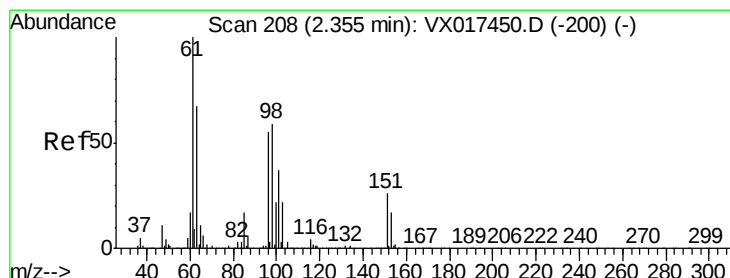
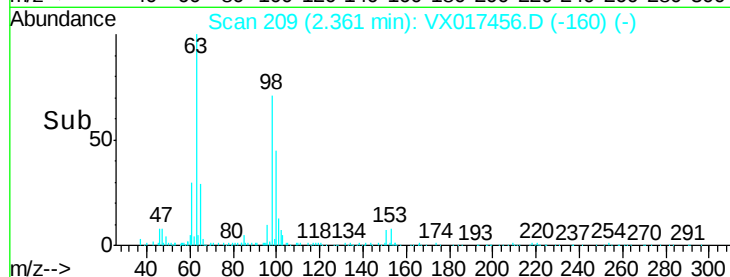
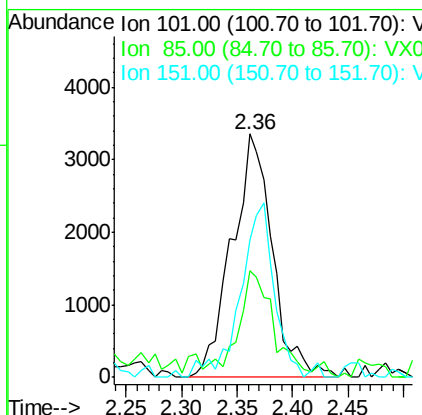
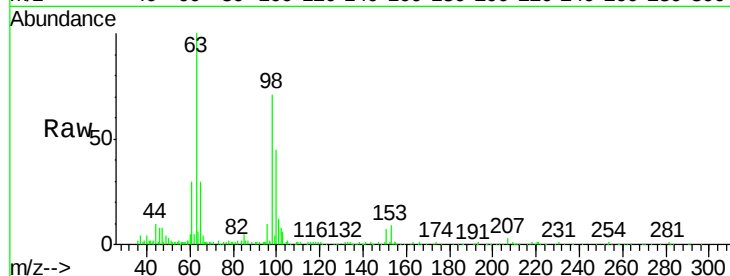
ClientSampleId :

MDL02

Tot Ion:	101	Resp:	8511
Ion Ratio	Lower	Upper	
101	100		
85	32.3	35.3	52.9#
151	59.3	62.3	93.5#

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#12

1,1-Dichloroethene

Concen: 0.255 ug/L

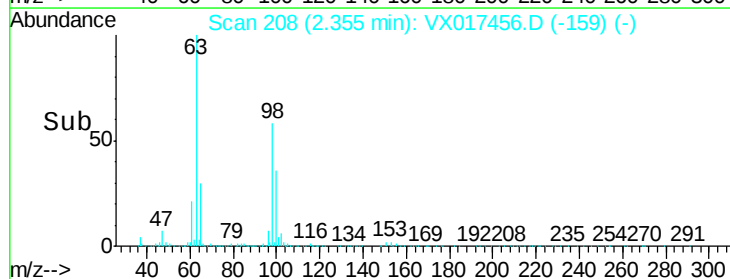
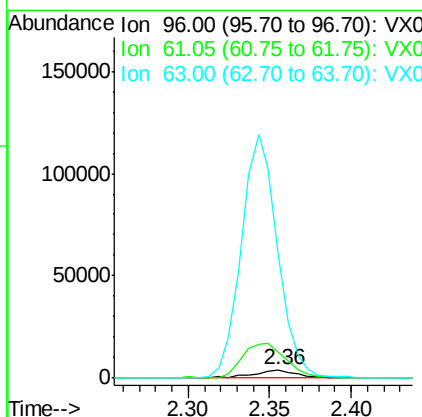
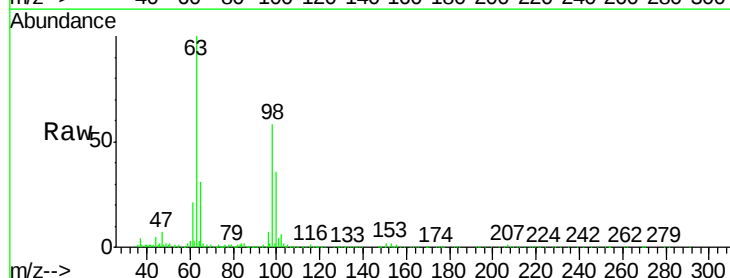
RT: 2.36 min Scan# 208

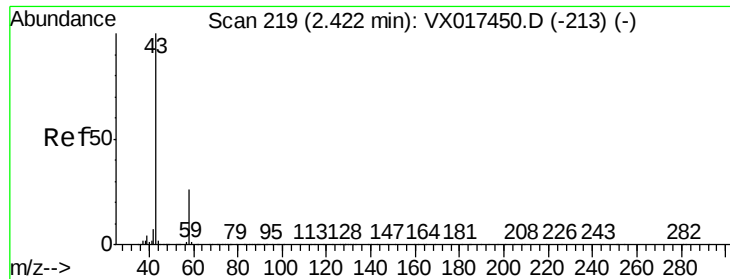
Delta R.T. 0.00 min

Lab File: VX017456.D

Acq: 21 Jul 2020 15:34

Tgt Ion:	96	Resp:	6710
Ion Ratio	Lower	Upper	
96	100		
61	307.6	126.5	234.9#
63	1446.4	85.6	159.0#





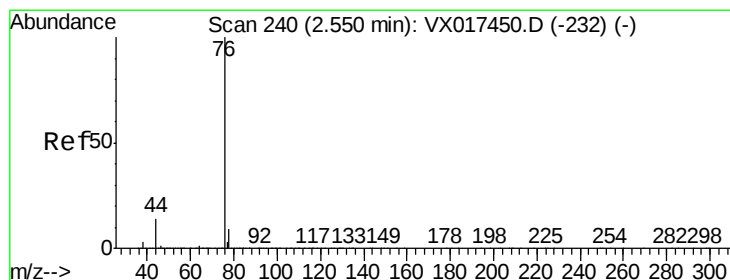
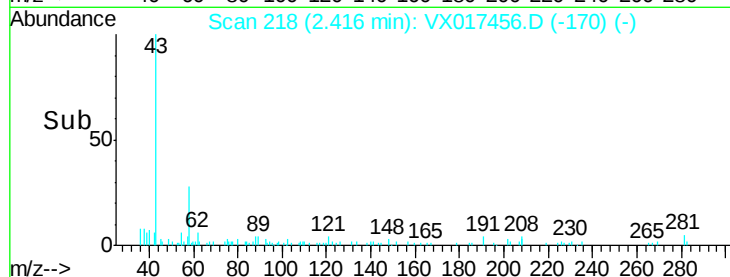
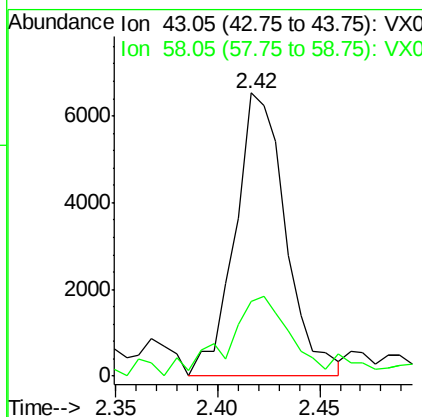
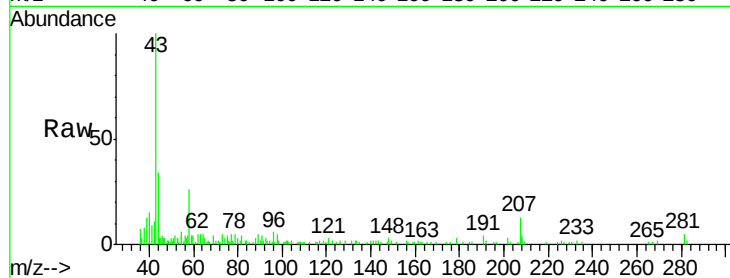
#13
Acetone
Concen: 2.576 ug/L
RT: 2.42 min Scan# 218
Delta R.T. -0.01 min
Lab File: VX017456.D
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Tot Ion	Ratio	Lower	Upper
43	100		
58	34.8	0.0	58.6

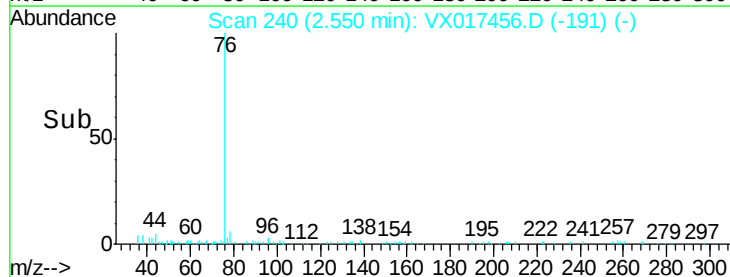
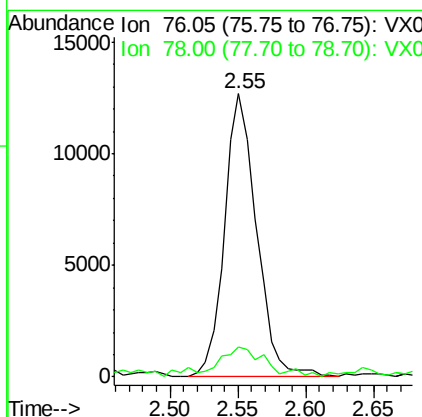
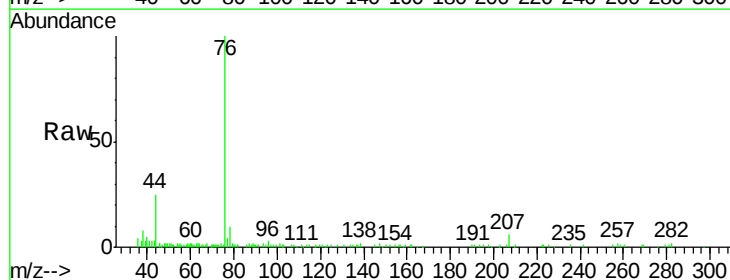
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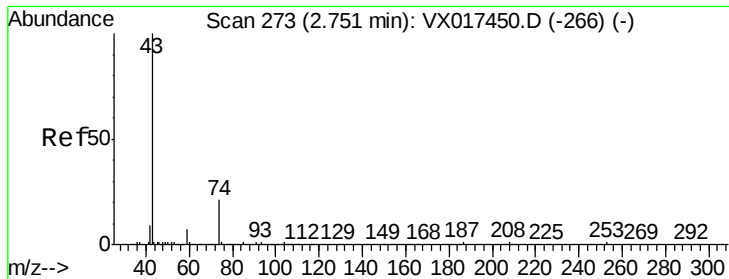
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7/22/2020 9:10:59 AM



#14
Carbon disulfide
Concen: 0.232 ug/L
RT: 2.55 min Scan# 240
Delta R.T. 0.00 min
Lab File: VX017456.D
Acq: 21 Jul 2020 15:34

Tgt Ion	Ratio	Lower	Upper
76	100		
78	10.4	7.3	10.9





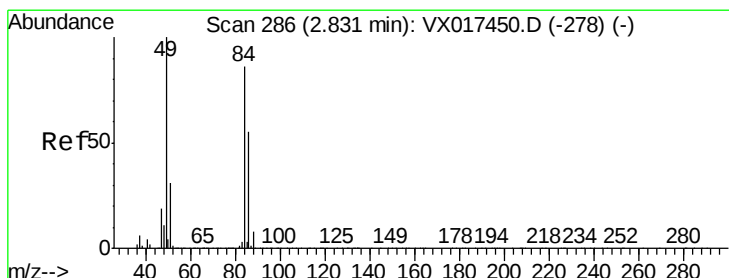
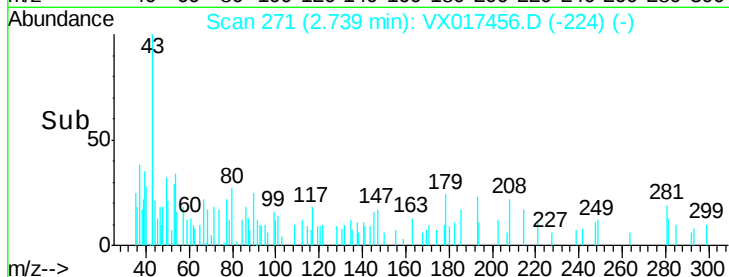
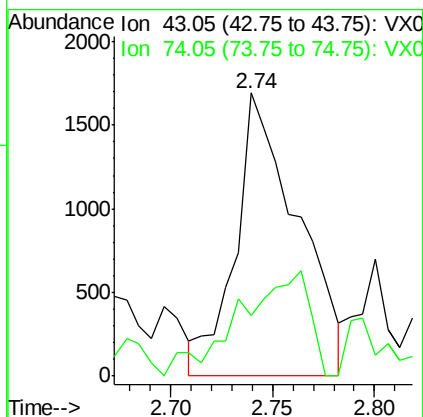
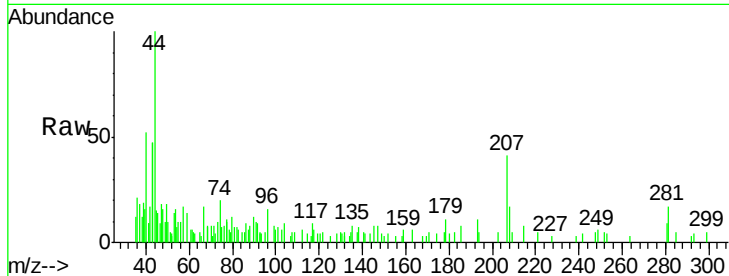
#15
Methvl Acetate
Concen: 0.283 ug/L
RT: 2.74 min Scan# 271
Delta R.T. -0.01 min
Lab File: VX017456.D
Acq: 21 Jul 2020 15:34

Instrument :
MSVOA_X
ClientSampleId :
MDL02

Tot Ion: 43 Resp: 3595
Ion Ratio Lower Upper
43 100
74 41.8 17.6 26.4#

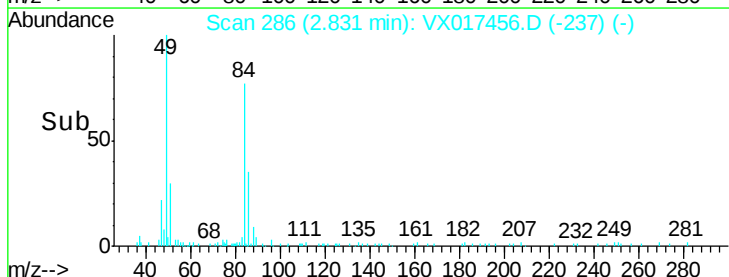
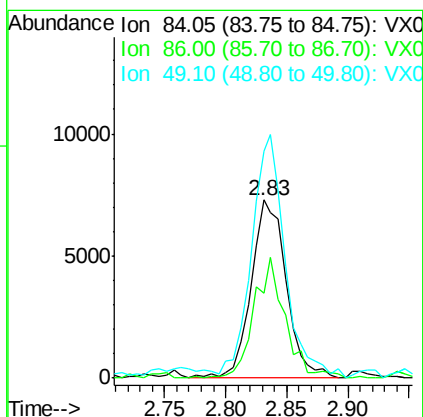
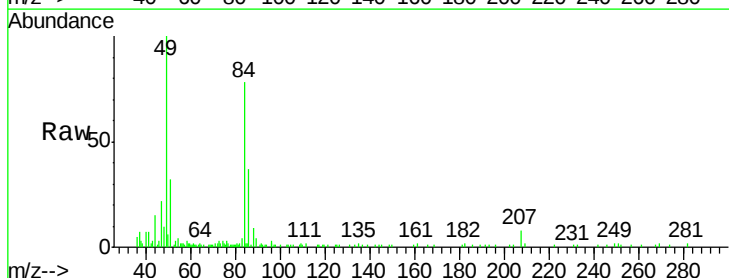
Manual Integrations
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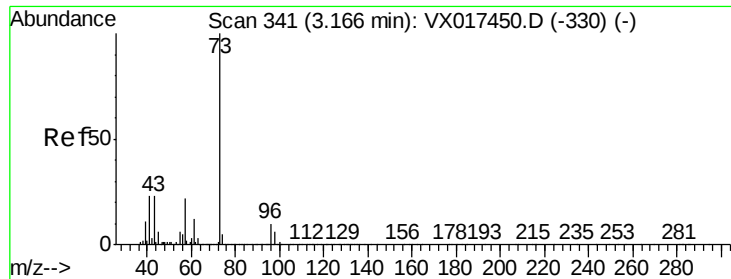
MMDadoda
7/22/2020 9:10:59 AM



#16
Methylene chloride
Concen: 0.405 ug/L
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX017456.D
Acq: 21 Jul 2020 15:34

Tgt Ion: 84 Resp: 14629
Ion Ratio Lower Upper
84 100
86 47.5 44.8 83.2
49 127.5 81.0 150.4





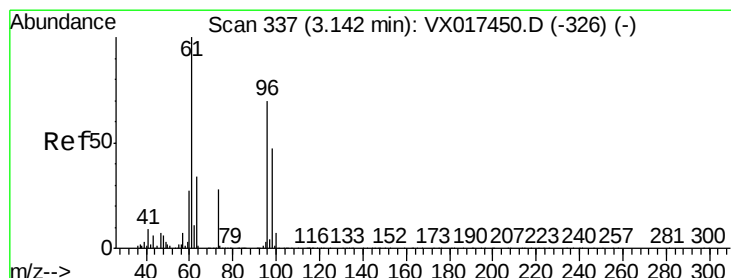
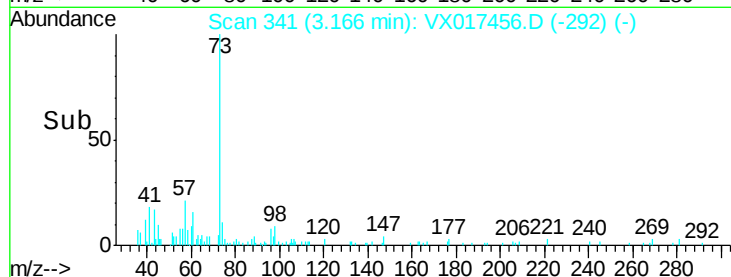
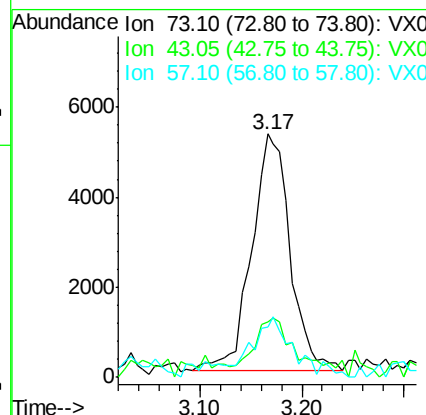
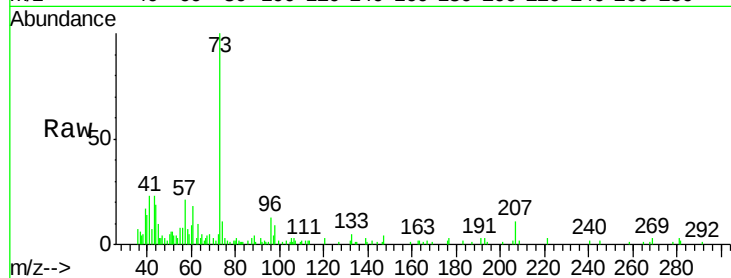
#17
Methvl tert-butvl Ether
Concen: 0.219 ug/L
RT: 3.17 min Scan# 341
Delta R.T. 0.00 min
Lab File: VX017456.D
Acq: 21 Jul 2020 15:34

Instrument :
MSVOA_X
ClientSampleId :
MDL02

Tot Ion:	73	Resp:	13697
Ion	Ratio	Lower	Upper
73	100		
43	24.8	17.8	26.6
57	23.7	17.8	26.8

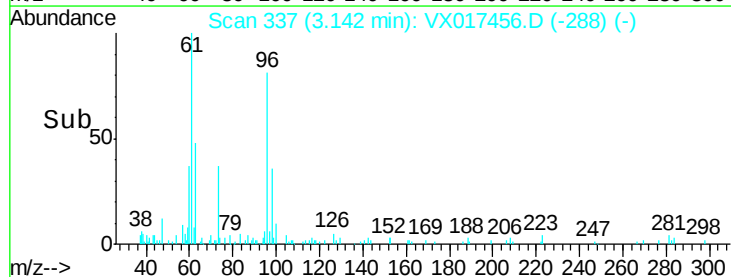
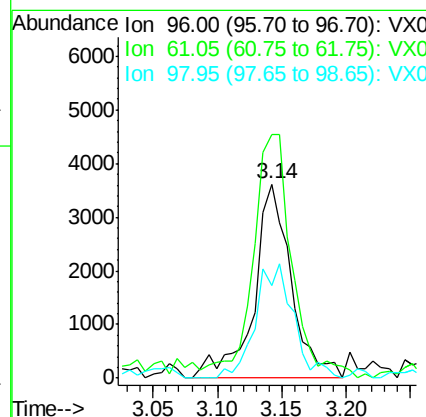
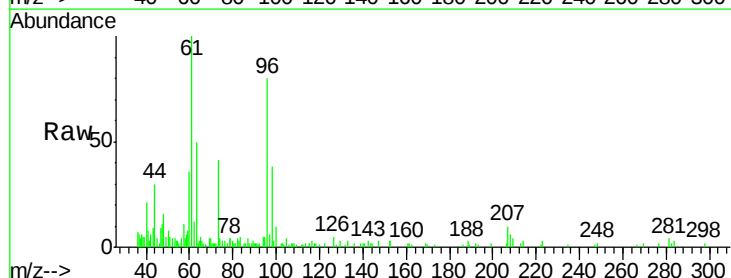
Manual Integrations
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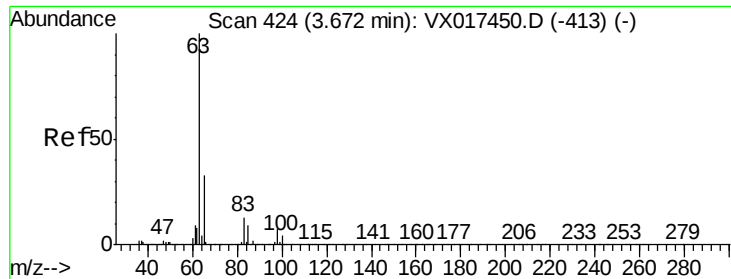
MMDadoda
7/22/2020 9:10:59 AM



#18
trans-1,2-Dichloroethene
Concen: 0.258 ug/L
RT: 3.14 min Scan# 337
Delta R.T. 0.00 min
Lab File: VX017456.D
Acq: 21 Jul 2020 15:34

Tgt Ion:	96	Resp:	7224
Ion	Ratio	Lower	Upper
96	100		
61	125.6	99.8	185.4
98	47.6	46.4	86.2





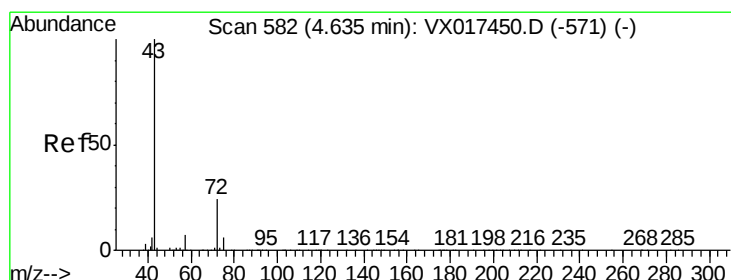
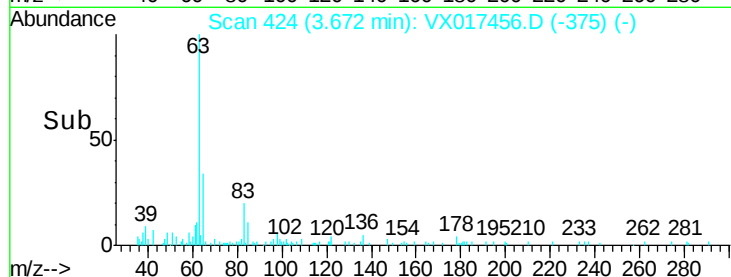
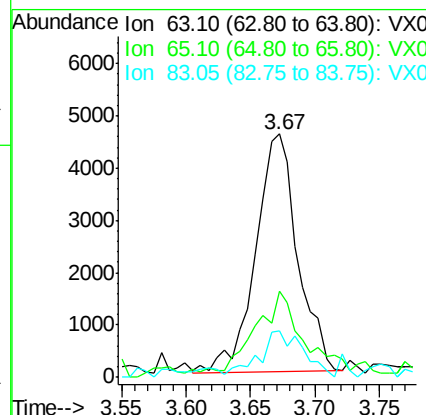
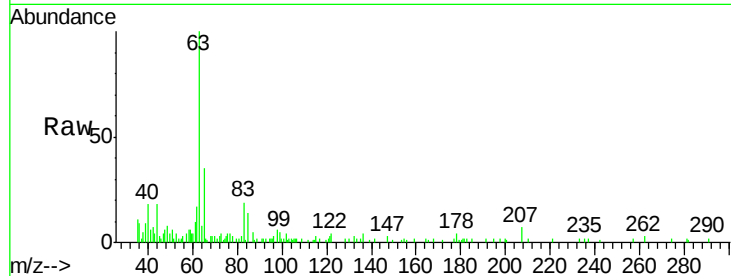
#19
 1,1-Dichloroethane
 Concen: 0.208 ug/L
 RT: 3.67 min Scan# 424
 Delta R.T. 0.00 min
 Lab File: VX017456.D
 Acq: 21 Jul 2020 15:34

Instrument :
 MSVOA_X
 ClientSampled :
 MDL02

Tot Ion	Ratio	Lower	Upper
63	100		
65	35.3	23.2	43.2
83	19.2	9.4	17.4#

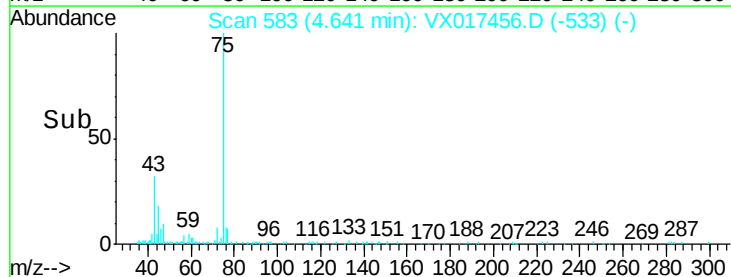
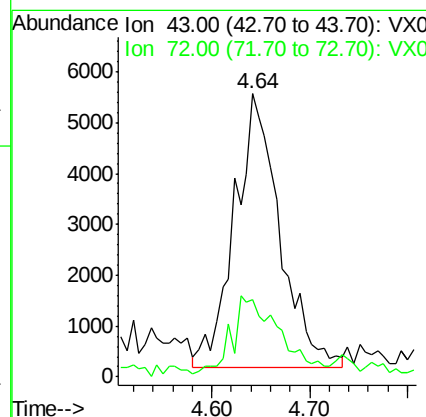
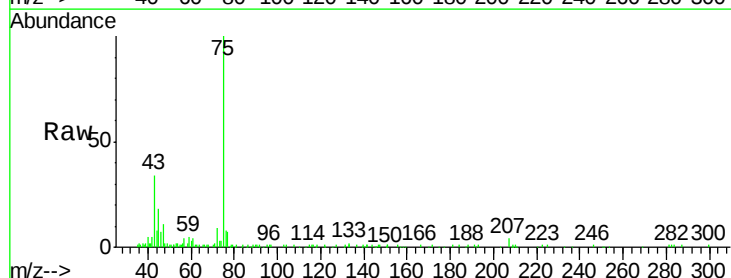
Manual Integrations
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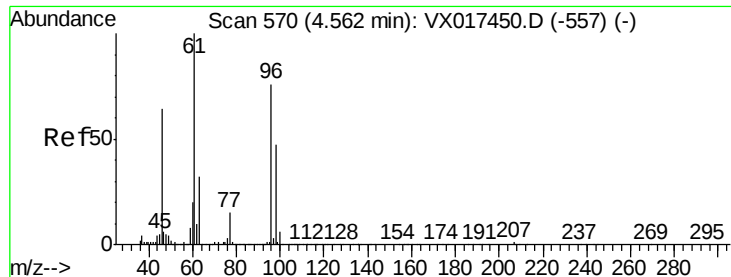
MMDadoda
 7/22/2020 9:10:59 AM



#21
 2-Butanone
 Concen: 2.486 ug/L
 RT: 4.64 min Scan# 583
 Delta R.T. 0.01 min
 Lab File: VX017456.D
 Acq: 21 Jul 2020 15:34

Tgt Ion	Ratio	Lower	Upper
43	100		
72	31.1	12.1	36.3





#22

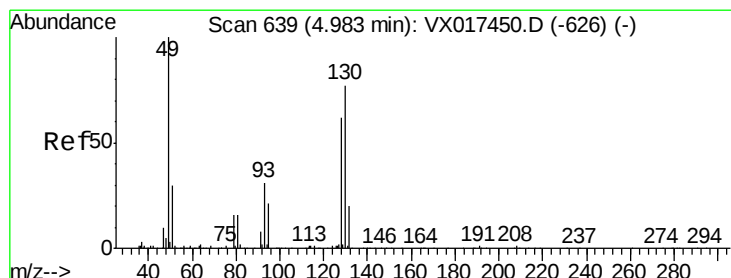
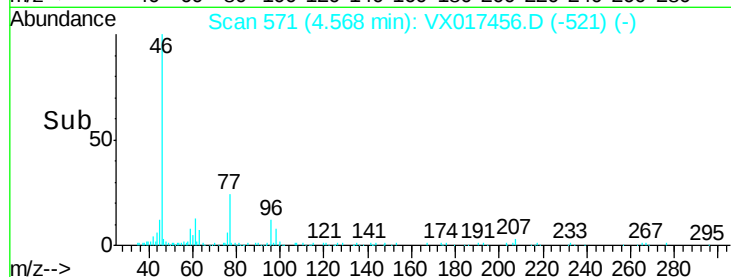
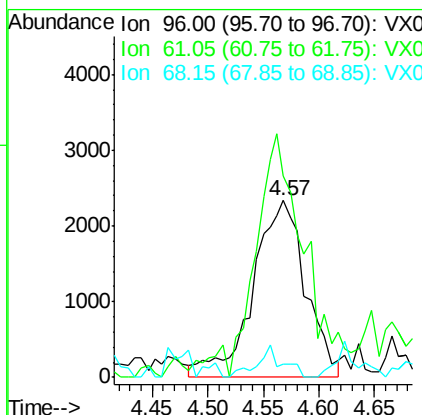
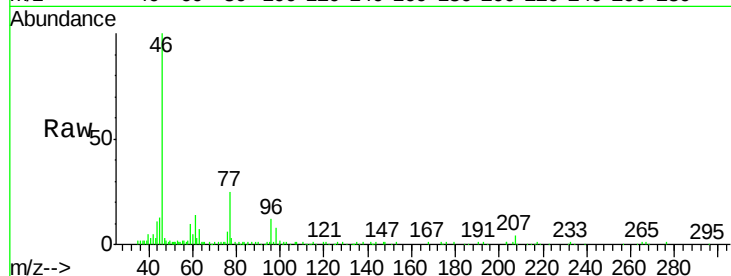
cis-1,2-Dichloroethene
Concen: 0.277 ug/L
RT: 4.57 min Scan# 571
Delta R.T. 0.01 min
Lab File: VX017456.D
Acq: 21 Jul 2020 15:34

Instrument :
MSVOA_X
ClientSampleId :
MDL02

Tot Ion	Ratio	Lower	Upper
96	100		
61	114.2	91.6	170.2
68	7.2	0.0	0.0#

Manual Integrations
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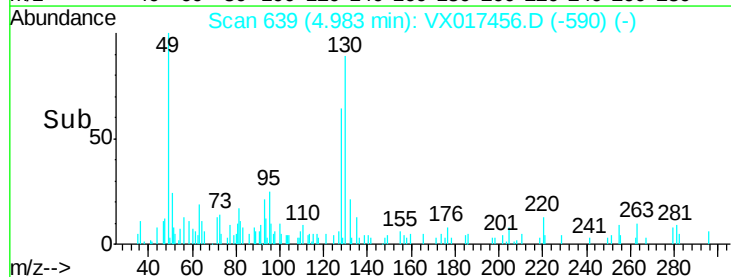
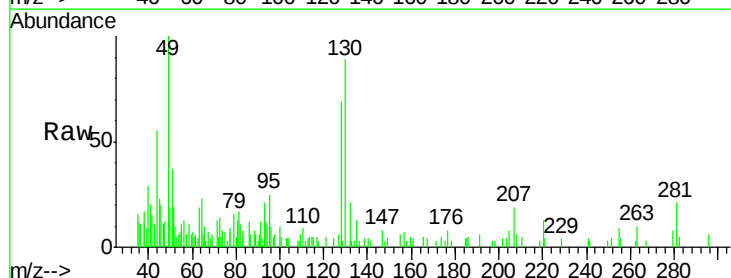
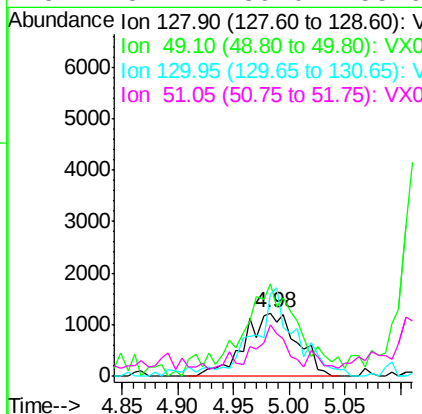
MMDadoda
7/22/2020 9:10:59 AM

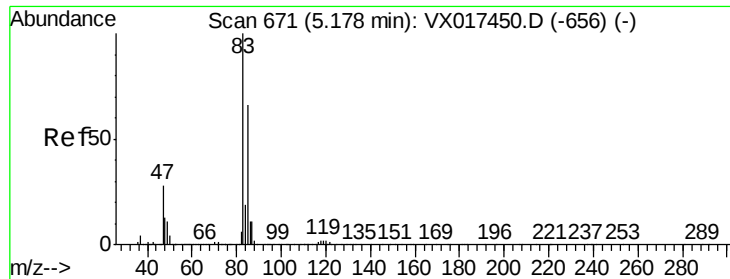


#23

Bromochloromethane
Concen: 0.301 ug/L
RT: 4.98 min Scan# 639
Delta R.T. 0.00 min
Lab File: VX017456.D
Acq: 21 Jul 2020 15:34

Tgt Ion	Ratio	Lower	Upper
128	100		
49	145.6	113.3	210.3
130	130.1	87.3	162.1
51	81.1	39.0	58.6#





#25

Chloroform

Concen: 0.307 ug/L

RT: 5.18 min Scan# 671

Delta R.T. 0.00 min

Lab File: VX017456.D

Acq: 21 Jul 2020 15:34

Instrument :

MSVOA_X

ClientSampleId :

MDL02

Tot Ion: 83 Resp: 15894

Ion Ratio Lower Upper

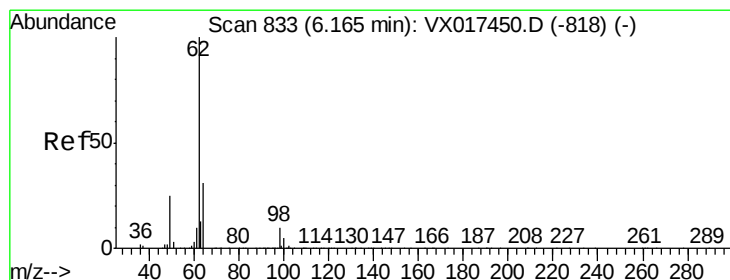
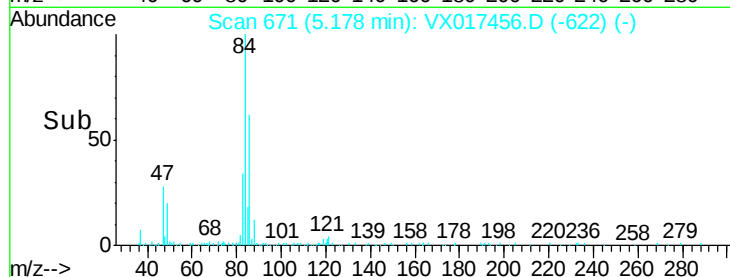
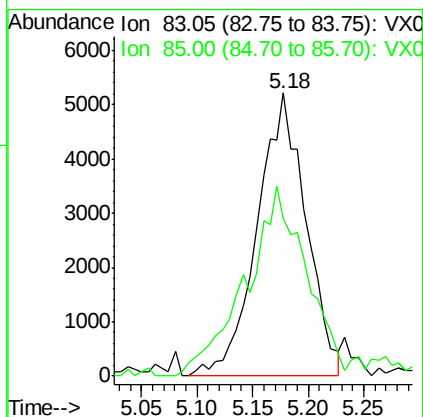
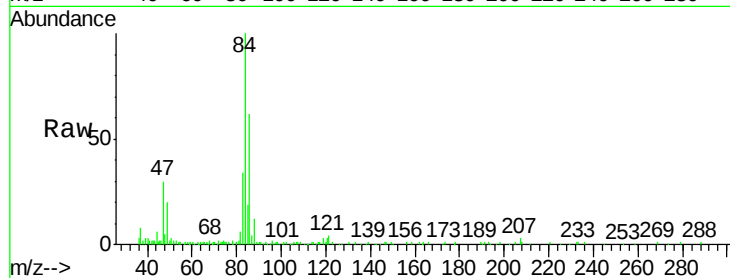
83 100

85 55.7 46.2 85.8

Manual Integrations
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#27

1,2-Dichloroethane

Concen: 0.228 ug/L

RT: 6.17 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX017456.D

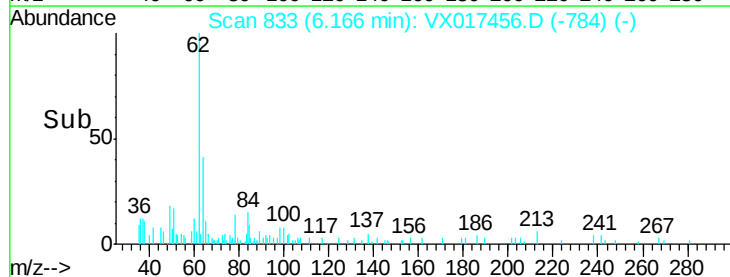
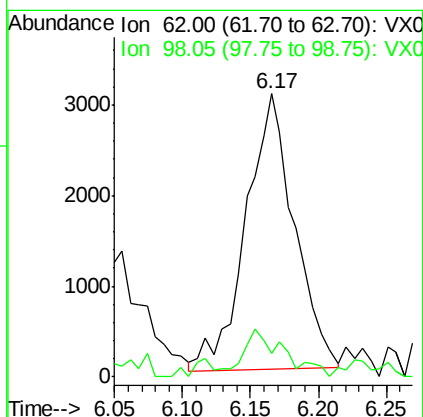
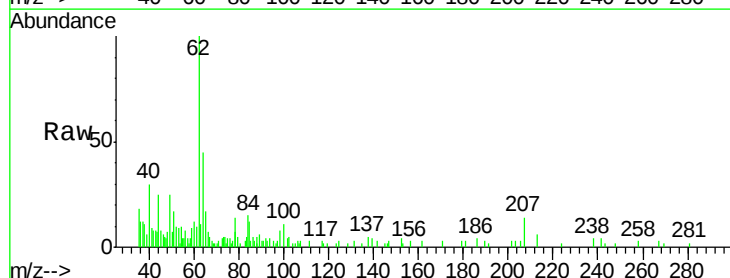
Acq: 21 Jul 2020 15:34

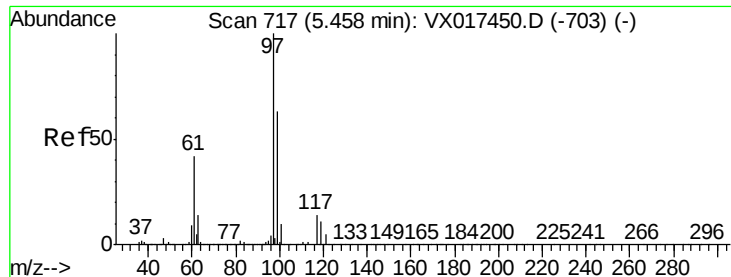
Tgt Ion: 62 Resp: 7595

Ion Ratio Lower Upper

62 100

98 8.2 7.7 11.5





#29

1,1,1-Trichloroethane

Concen: 0.227 ug/L

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX017456.D

Acq: 21 Jul 2020 15:34

Instrument :

MSVOA_X

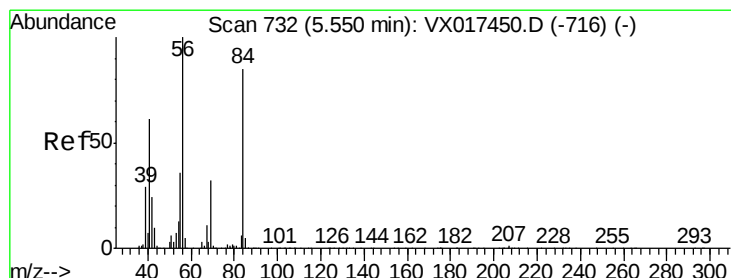
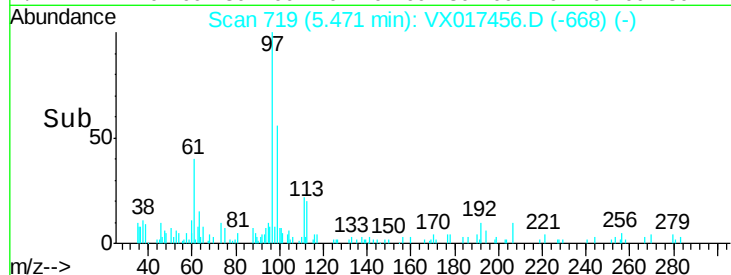
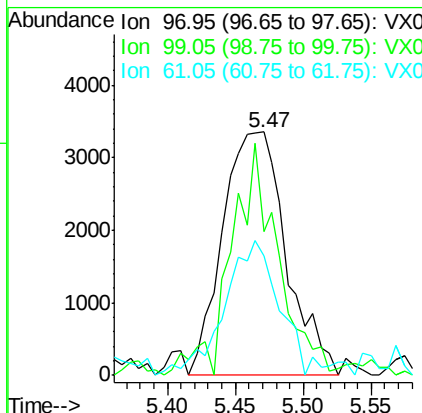
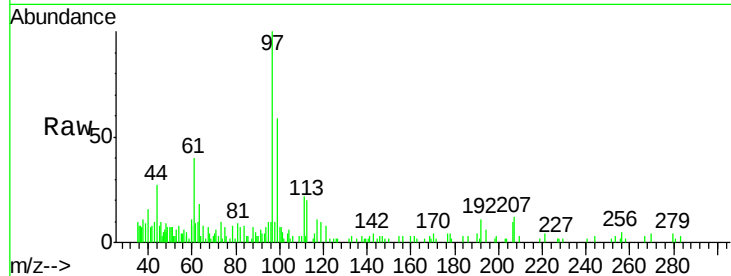
ClientSampled :

MDL02

Tot Ion:	97	Resp:	10957
Ion Ratio	Lower	Upper	
97	100		
99	70.4	53.0	79.4
61	45.5	35.2	52.8

Manual Integrations
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#30

Cyclohexane

Concen: 0.260 ug/L

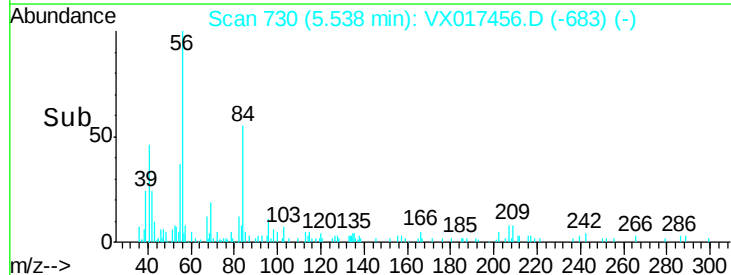
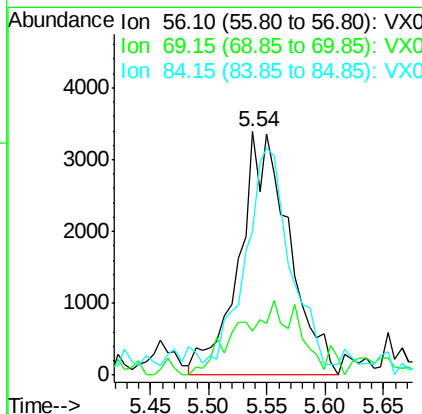
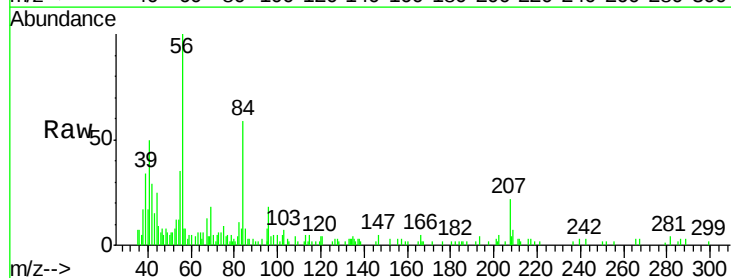
RT: 5.54 min Scan# 730

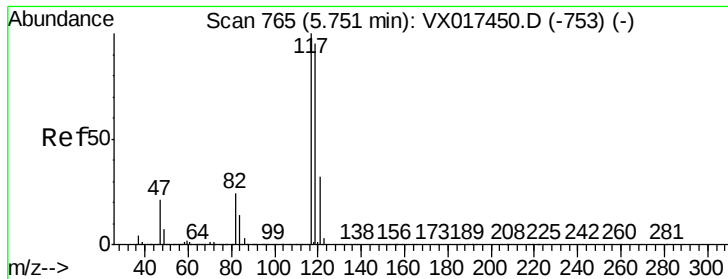
Delta R.T. -0.01 min

Lab File: VX017456.D

Acq: 21 Jul 2020 15:34

Tgt Ion:	56	Resp:	10161
Ion Ratio	Lower	Upper	
56	100		
69	14.1	25.4	38.2#
84	2.9	69.3	103.9#





#31

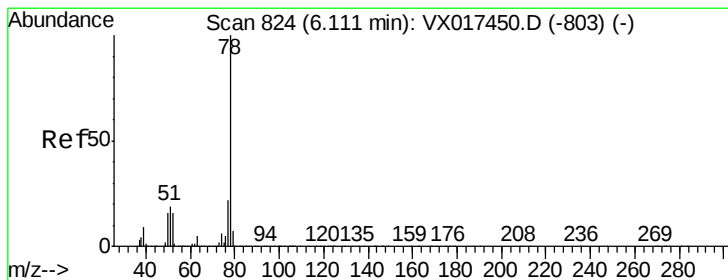
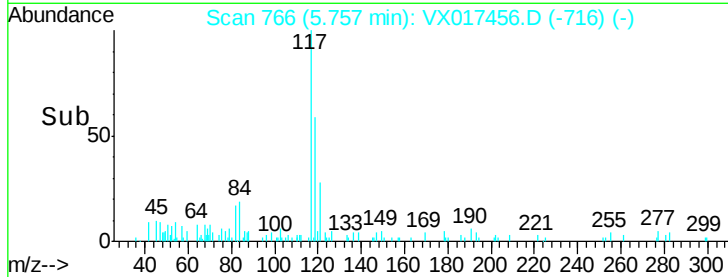
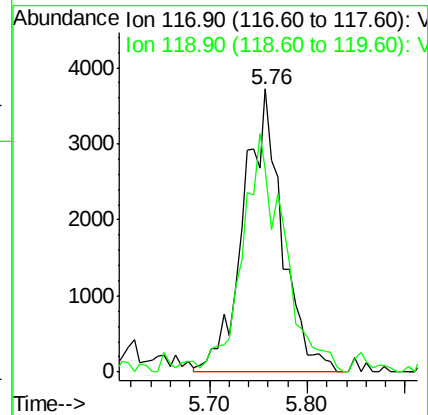
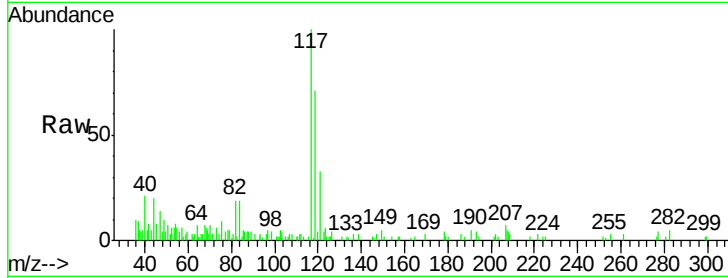
Carbon tetrachloride
Concen: 0.235 ug/L
RT: 5.76 min Scan# 766
Delta R.T. 0.01 min
Lab File: VX017456.D
Acq: 21 Jul 2020 15:34

Instrument :
MSVOA_X
ClientSampleId :
MDL02

Tot Ion	Ratio	Lower	Upper
117	100		
119	90.2	78.5	117.7

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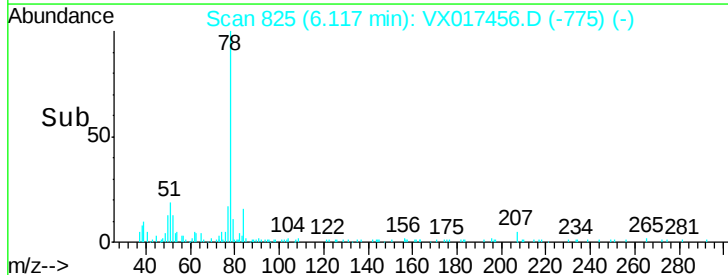
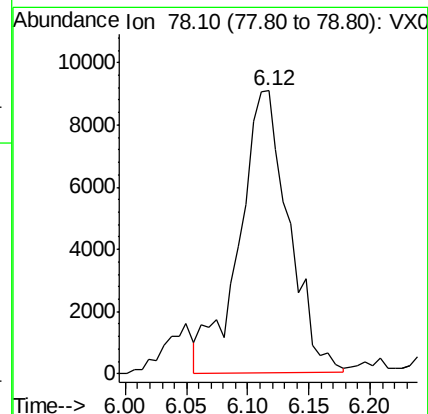
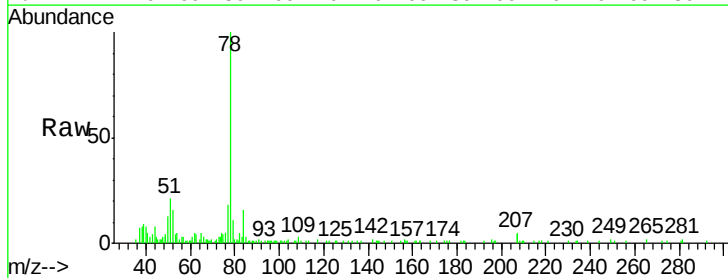
MMDadoda
7/22/2020 9:10:59 AM

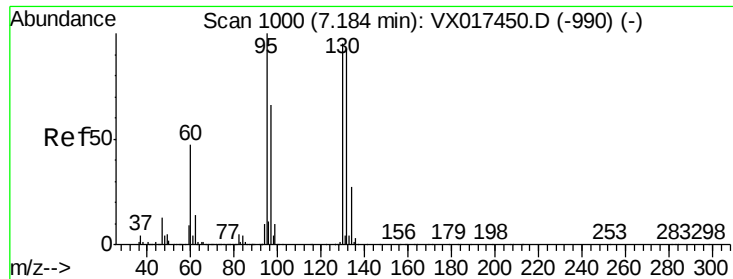


#33

Benzene
Concen: 0.241 ug/L
RT: 6.12 min Scan# 825
Delta R.T. 0.01 min
Lab File: VX017456.D
Acq: 21 Jul 2020 15:34

Tgt Ion: 78 Resp: 25497





#34

Trichloroethene

Concen: 0.261 ug/L

RT: 7.18 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VX017456.D

Acq: 21 Jul 2020 15:34

Instrument :

MSVOA_X

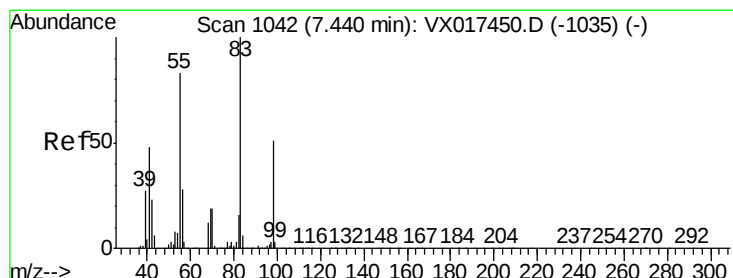
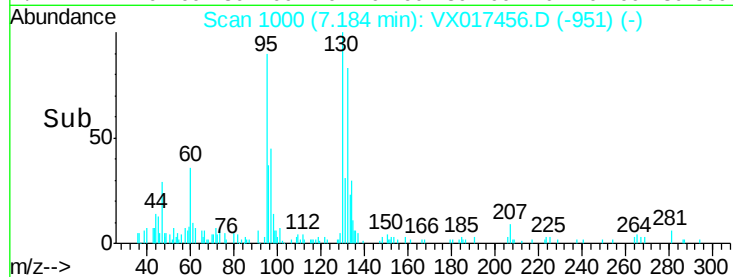
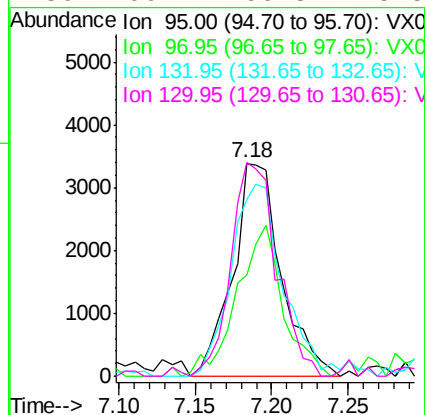
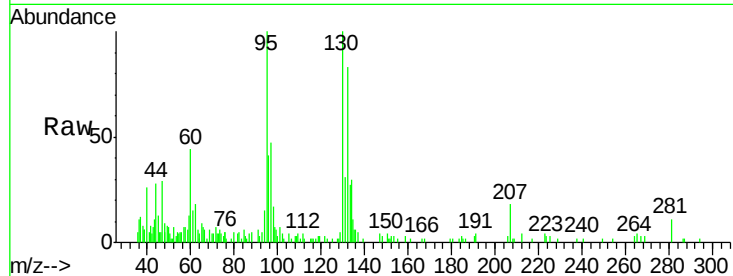
ClientSampled :

MDL02

Tot Ion:	95	Resp:	7463
Ion	Ratio	Lower	Upper
95	100		
97	47.7	45.9	85.3
132	82.9	65.5	121.7
130	100.4	66.5	123.5

Manual Integrations
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MMDadoda
7/22/2020 9:10:59 AM



#35

Methylcyclohexane

Concen: 0.247 ug/L

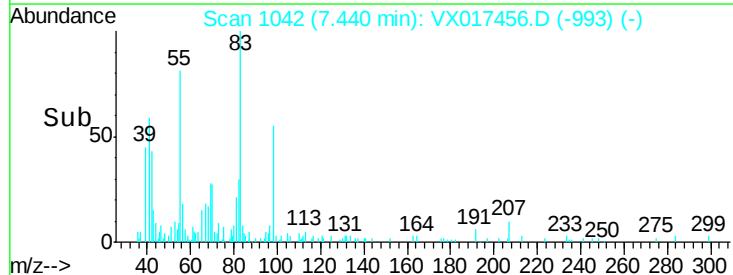
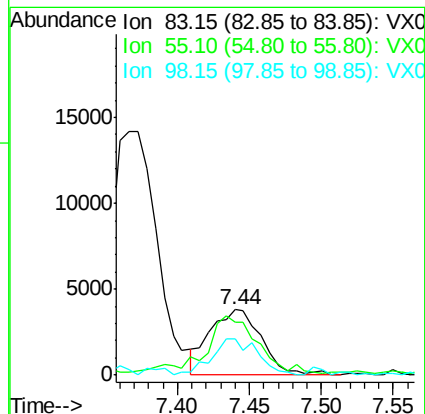
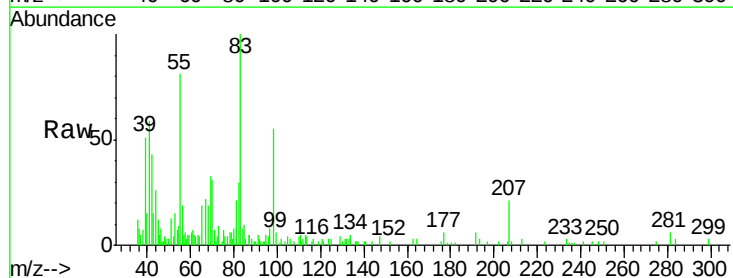
RT: 7.44 min Scan# 1042

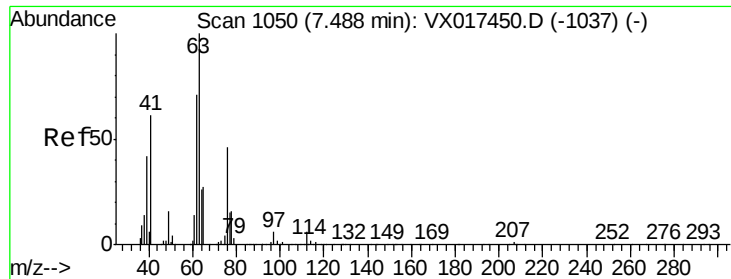
Delta R.T. 0.00 min

Lab File: VX017456.D

Acq: 21 Jul 2020 15:34

Tgt Ion:	83	Resp:	9533
Ion	Ratio	Lower	Upper
83	100		
55	89.8	65.4	98.2
98	49.4	39.8	59.8





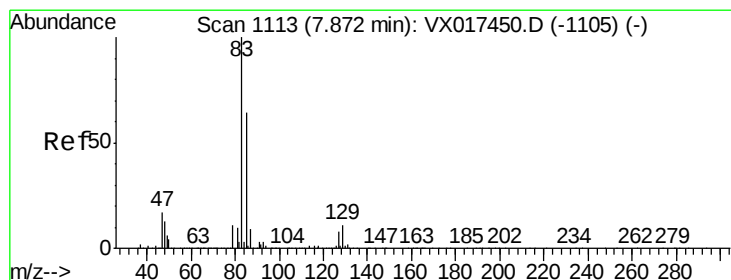
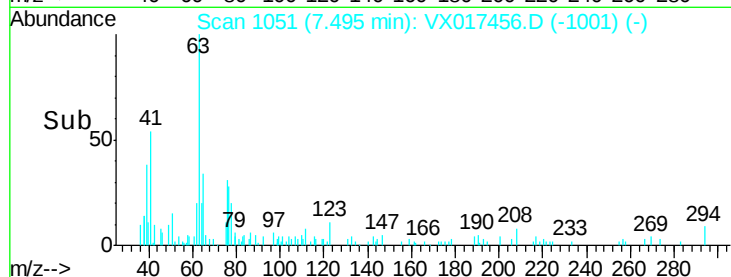
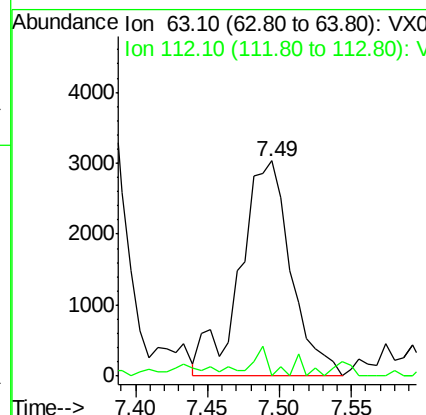
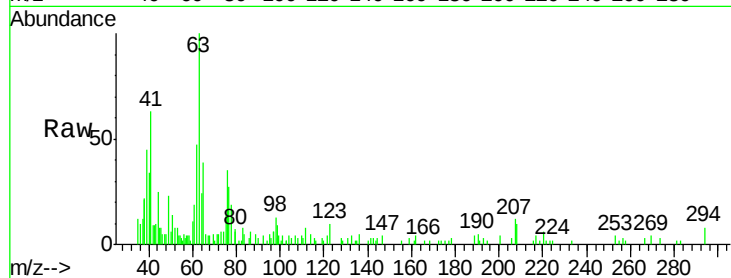
#37
 1,2-Dichloropropane
 Concen: 0.279 ug/L
 RT: 7.49 min Scan# 1051
 Delta R.T. 0.01 min
 Lab File: VX017456.D
 Acq: 21 Jul 2020 15:34

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL02

Tot Ion	Ratio	Lower	Upper
63	100		
112	4.1	3.8	5.8

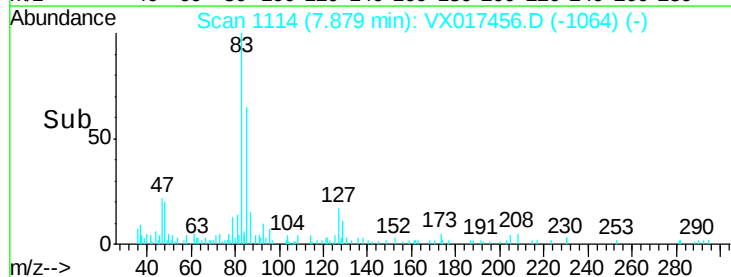
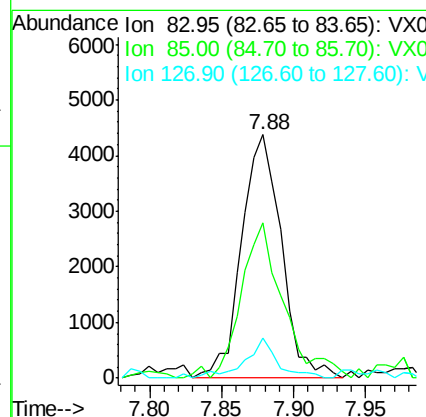
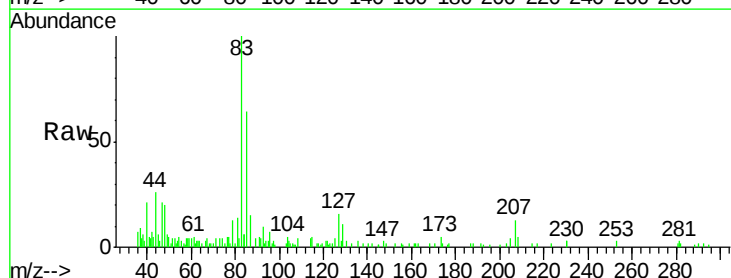
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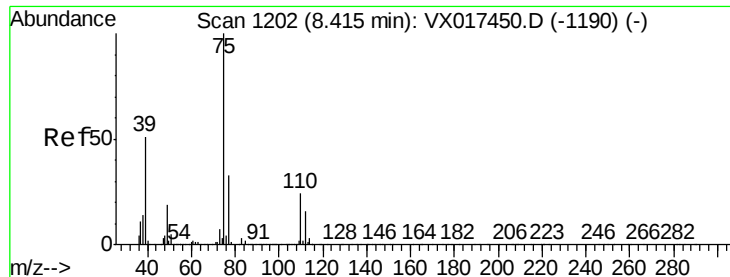
MMDadoda
 7/22/2020 9:10:59 AM



#38
 Bromodichloromethane
 Concen: 0.236 ug/L
 RT: 7.88 min Scan# 1114
 Delta R.T. 0.01 min
 Lab File: VX017456.D
 Acq: 21 Jul 2020 15:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	44.7	83.1
127	16.3	6.3	9.5#





#39

cis-1,3-Dichloropropene

Concen: 0.244 ug/L

RT: 8.42 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VX017456.D

Acq: 21 Jul 2020 15:34

Instrument :

MSVOA_X

ClientSampled :

MDL02

Tot Ion: 75 Resp: 9380

Ion Ratio Lower Upper

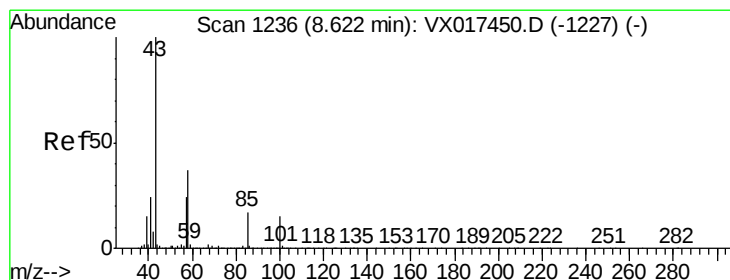
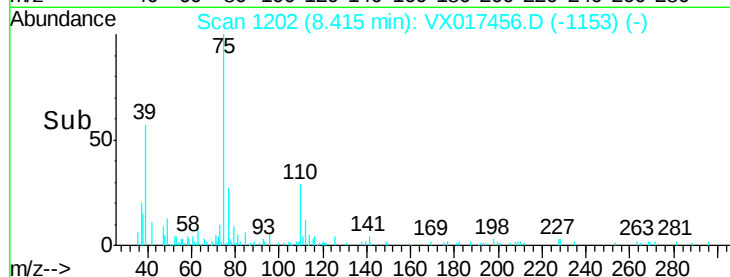
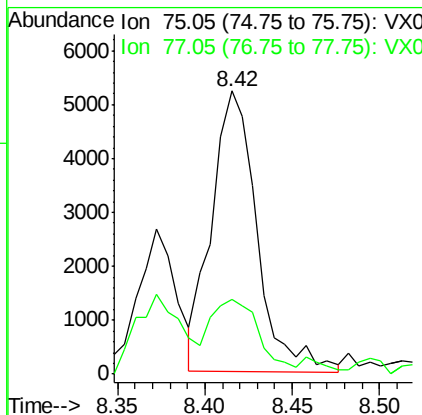
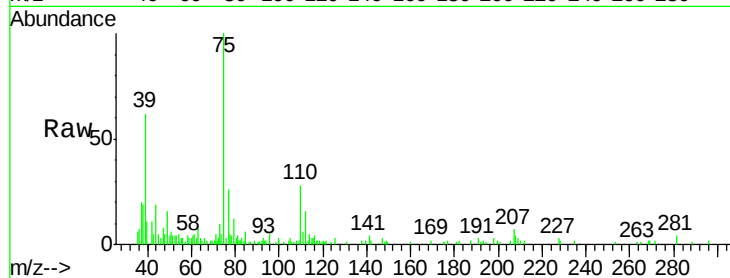
75 100

77 26.2 23.1 42.9

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#40

4-Methyl-2-pentanone

Concen: 2.095 ug/L

RT: 8.62 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VX017456.D

Acq: 21 Jul 2020 15:34

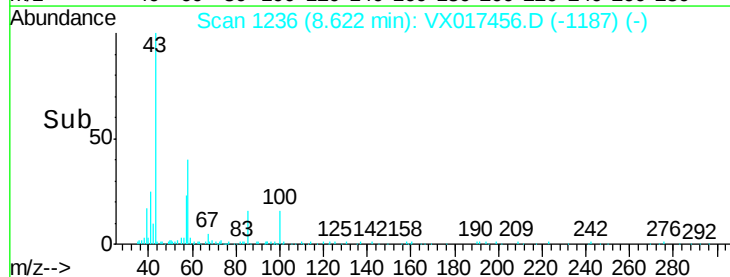
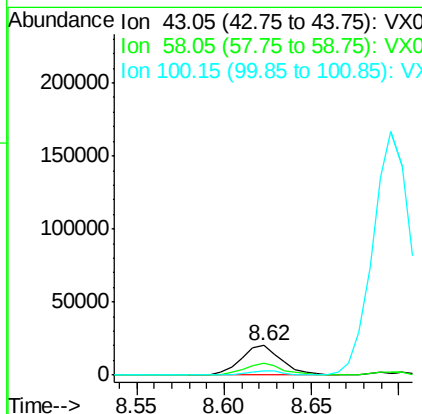
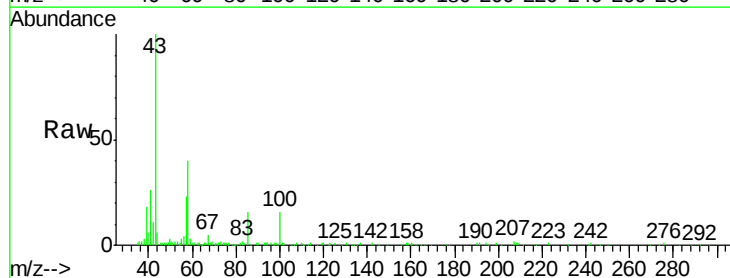
Tgt Ion: 43 Resp: 32596

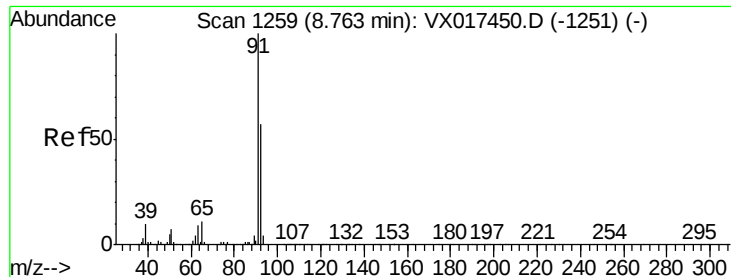
Ion Ratio Lower Upper

43 100

58 38.1 30.1 45.1

100 0.0 6.5 9.7#





#42

Toluene

Concen: 0.232 ug/L

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX017456.D

Acq: 21 Jul 2020 15:34

Instrument :

MSVOA_X

ClientSampleId :

MDL02

Tot Ion: 91 Resp: 24605

Ion Ratio Lower Upper

91 100

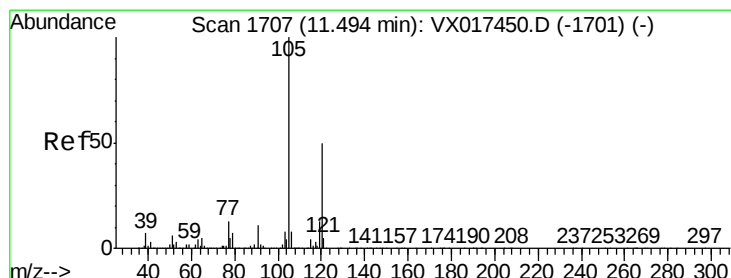
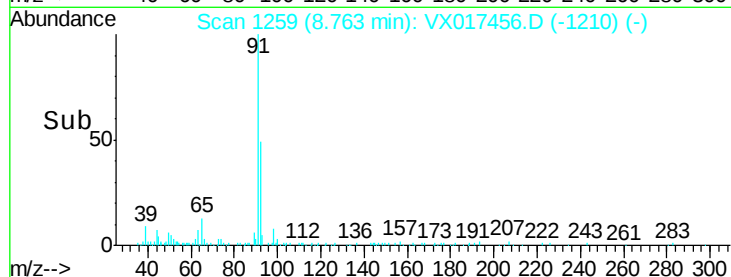
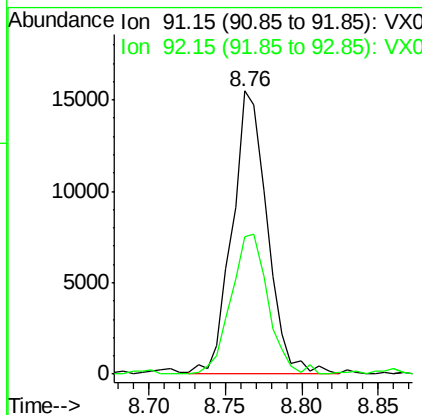
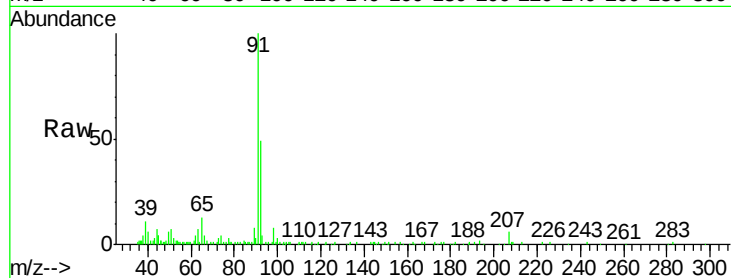
92 48.7 39.9 74.1

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#43

1,3,5-Trimethylbenzene

Concen: 0.184 ug/L

RT: 11.49 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX017456.D

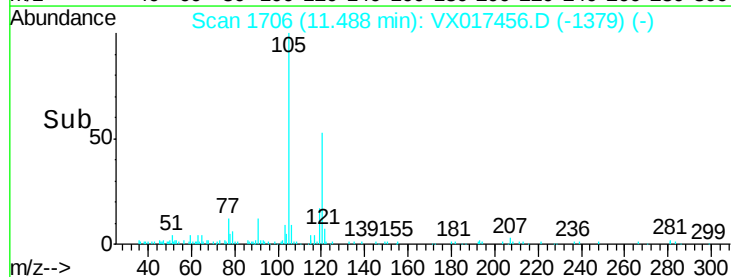
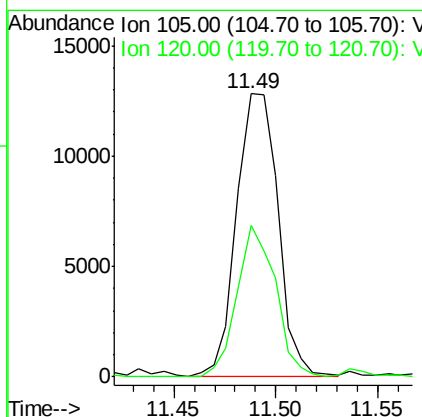
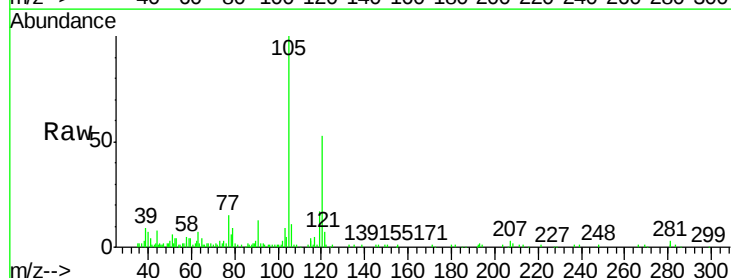
Acq: 21 Jul 2020 15:34

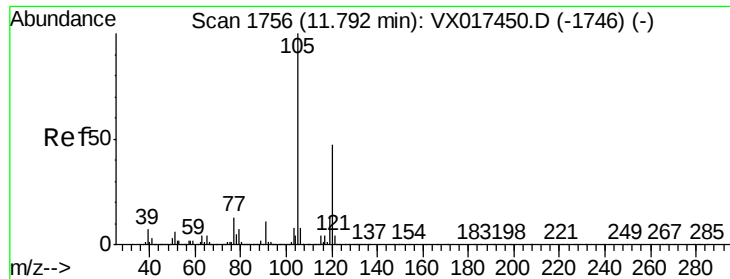
Tgt Ion: 105 Resp: 18204

Ion Ratio Lower Upper

105 100

120 49.3 38.2 57.2





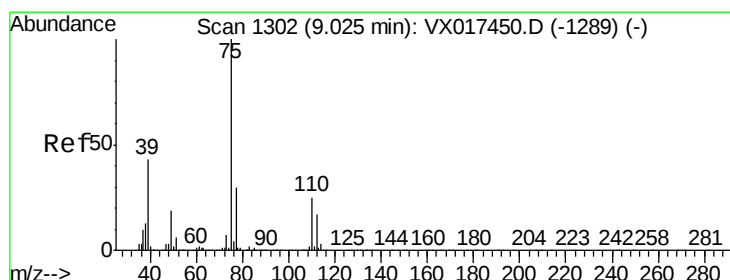
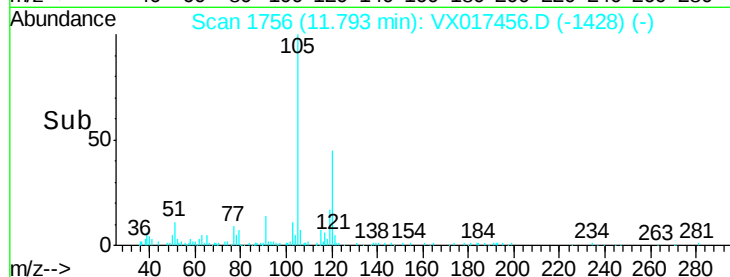
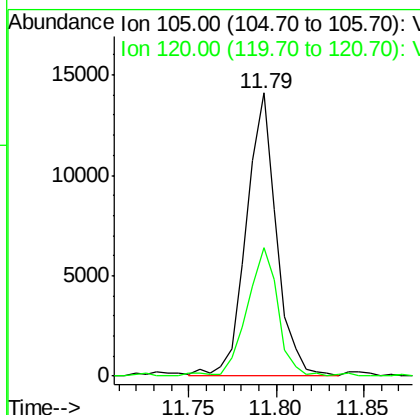
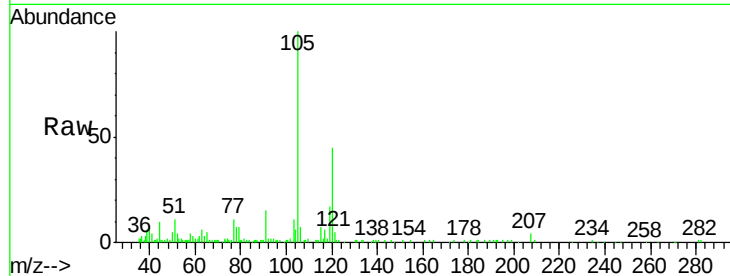
#44
 1,2,4-Trimethylbenzene
 Concen: 0.172 ug/L
 RT: 11.79 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VX017456.D
 Acq: 21 Jul 2020 15:34

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL02

Tot Ion:105 Resp: 16861
 Ion Ratio Lower Upper
 105 100
 120 46.8 36.5 54.7

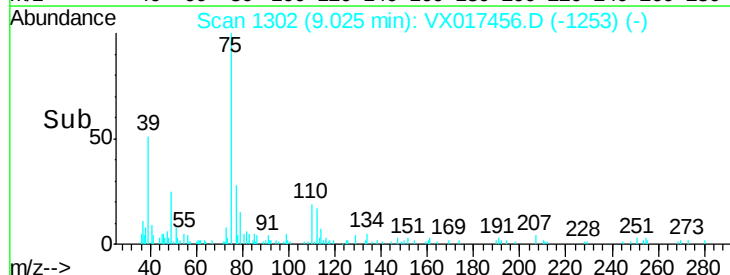
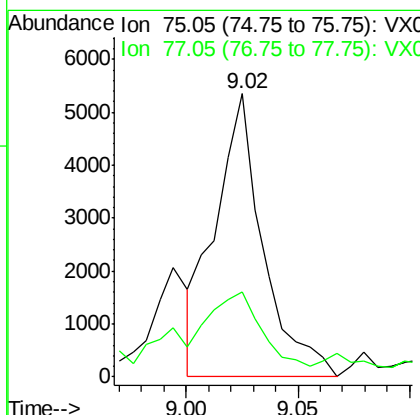
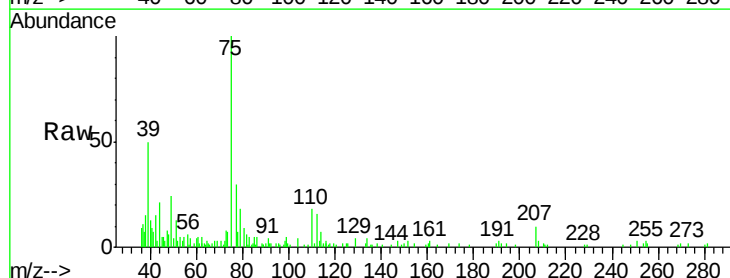
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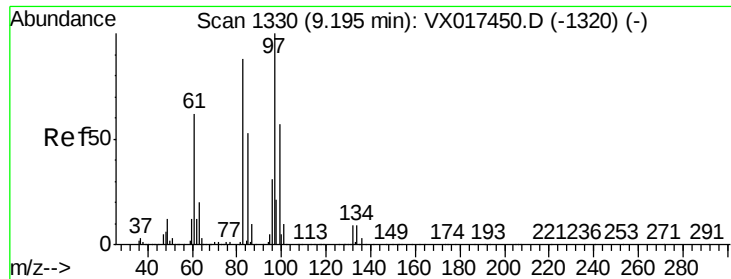
MMDadoda
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#46
 trans-1,3-Dichloropropene
 Concen: 0.242 ug/L m
 RT: 9.02 min Scan# 1302
 Delta R.T. 0.00 min
 Lab File: VX017456.D
 Acq: 21 Jul 2020 15:34

Tgt Ion: 75 Resp: 8010
 Ion Ratio Lower Upper
 75 100
 77 29.9 21.4 39.8





#47

1,1,2-Trichloroethane

Concen: 0.240 ug/L

RT: 9.20 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VX017456.D

Acq: 21 Jul 2020 15:34

Instrument :

MSVOA_X

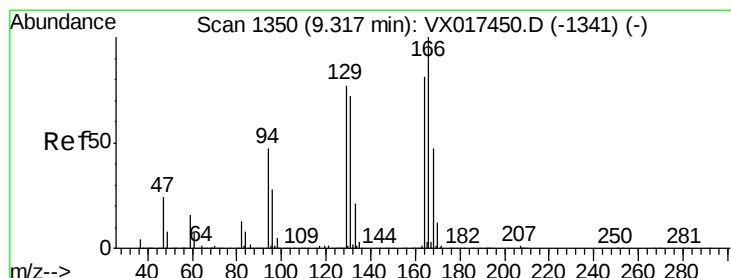
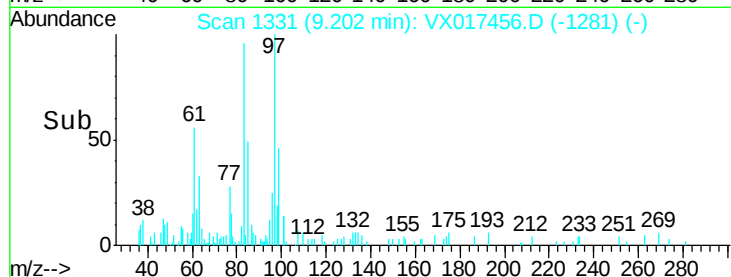
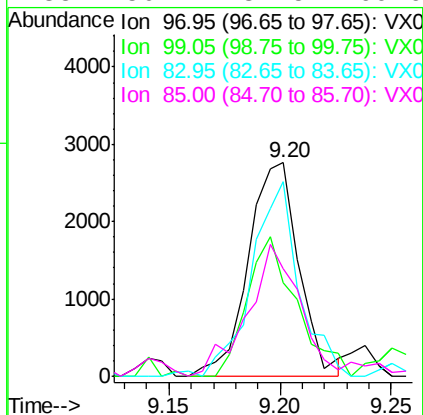
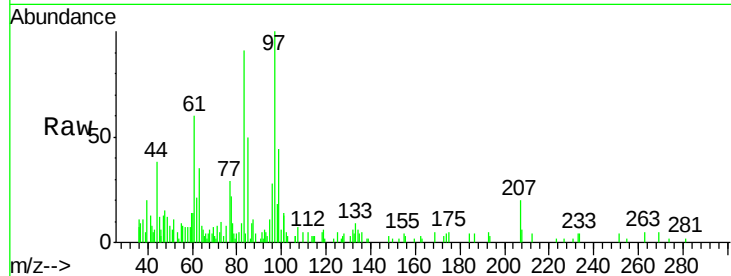
ClientSampleId :

MDL02

Tot Ion	97	Resp	4377
Ion	Ratio	Lower	Upper
97	100		
99	44.0	40.2	74.6
83	91.0	61.6	114.4
85	50.2	37.5	69.6

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#49

Tetrachloroethene

Concen: 0.273 ug/L

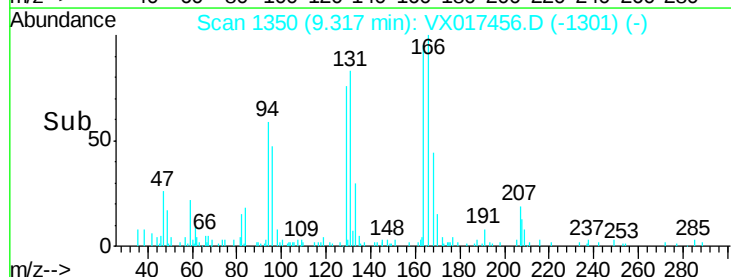
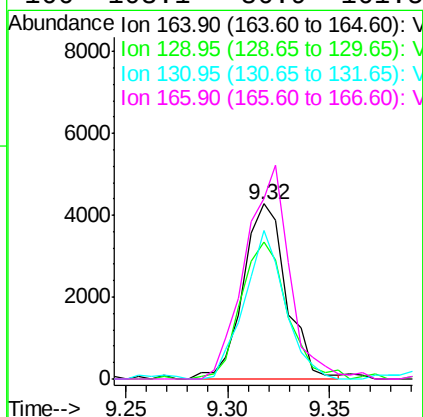
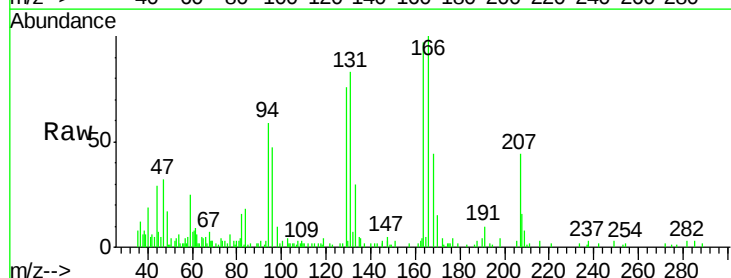
RT: 9.32 min Scan# 1350

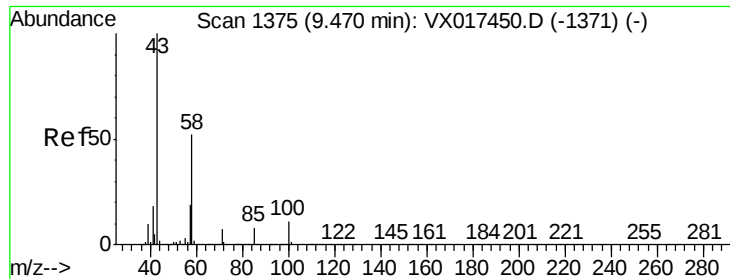
Delta R.T. 0.00 min

Lab File: VX017456.D

Acq: 21 Jul 2020 15:34

Tgt Ion	164	Resp	6337
Ion	Ratio	Lower	Upper
164	100		
129	78.1	66.6	123.8
131	85.1	62.6	116.2
166	103.1	86.9	161.5





#50

2-Hexanone

Concen: 2.308 ug/L

RT: 9.47 min Scan# 1375

Delta R.T. 0.00 min

Lab File: VX017456.D

Acq: 21 Jul 2020 15:34

Instrument :

MSVOA_X

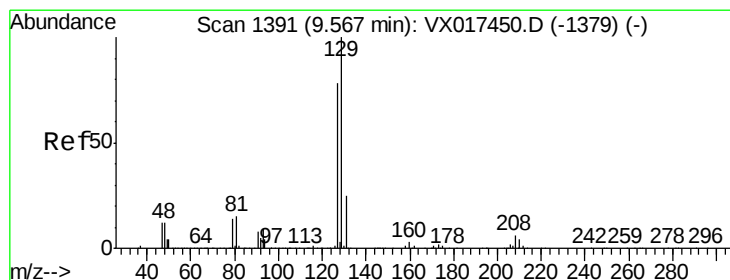
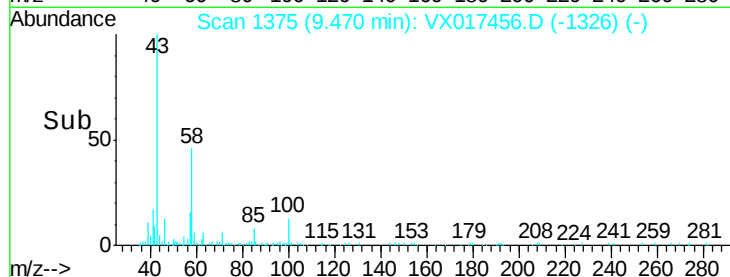
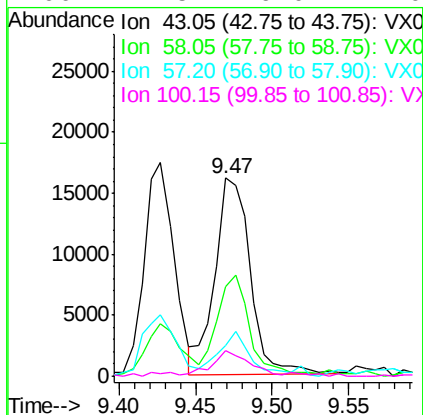
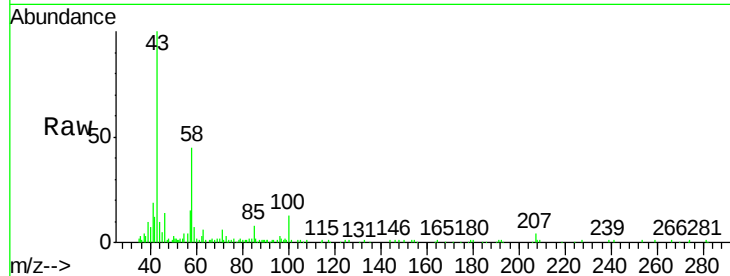
ClientSampled :

MDL02

Tot Ion	Ion	Ratio	Lower	Upper
26214	43	100		
	58	46.1	41.4	62.0
	57	21.3	26.9	40.3
	100	12.5	16.0	24.0

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#51

Dibromochloromethane

Concen: 0.228 ug/L

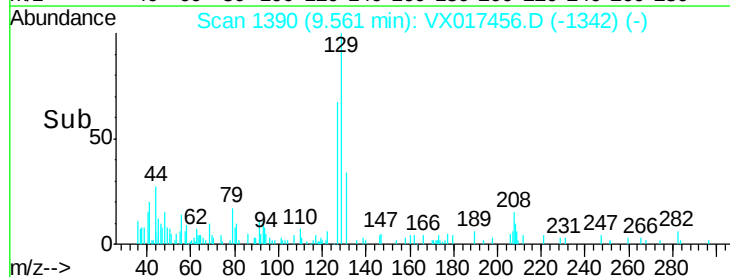
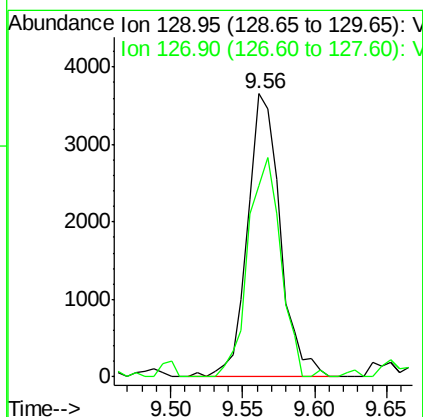
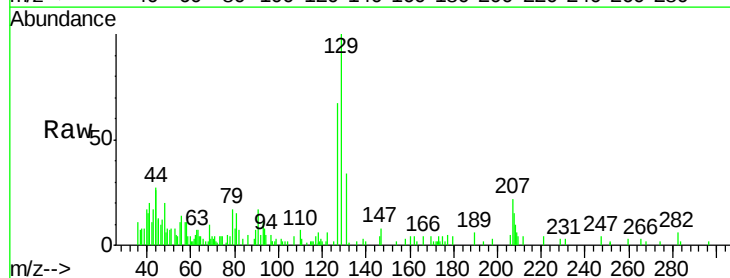
RT: 9.56 min Scan# 1390

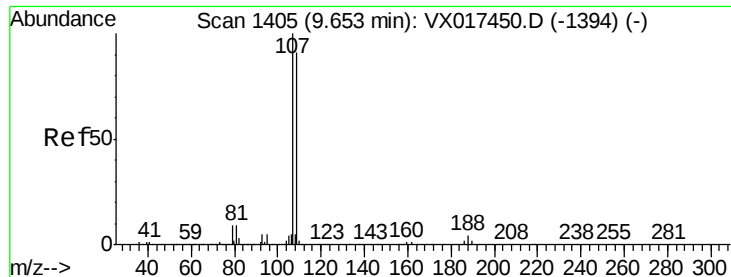
Delta R.T. -0.01 min

Lab File: VX017456.D

Acq: 21 Jul 2020 15:34

Tgt Ion	Ion	Ratio	Lower	Upper
5710	129	100		
	127	67.4	54.7	101.5





#52

1,2-Dibromoethane

Concen: 0.223 ug/L

RT: 9.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: VX017456.D

Acq: 21 Jul 2020 15:34

Instrument :

MSVOA_X

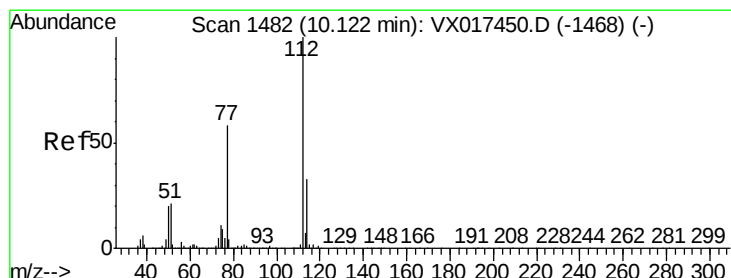
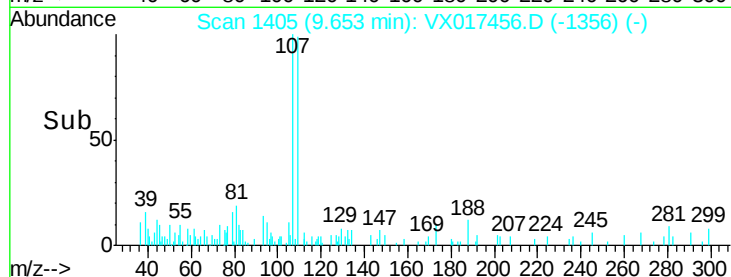
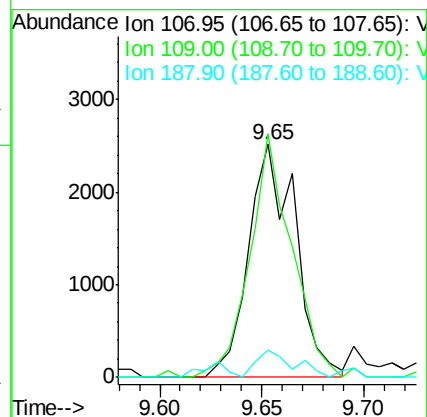
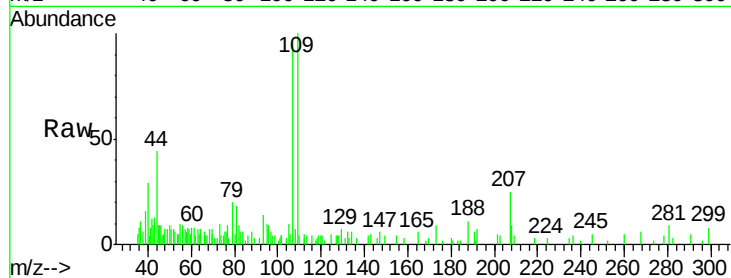
ClientSampleId :

MDL02

Tot Ion:	107	Resp:	4016
Ion Ratio	Lower	Upper	
107	100		
109	104.5	63.9	118.7
188	11.8	3.0	4.4#

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#53

Chlorobenzene

Concen: 0.243 ug/L

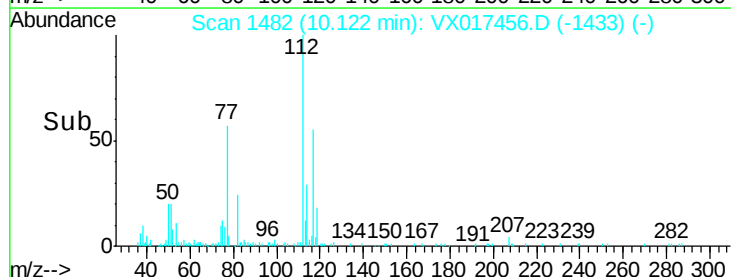
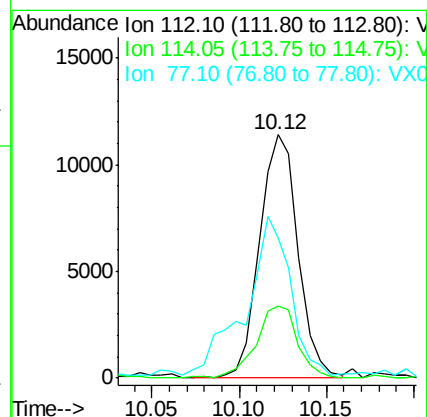
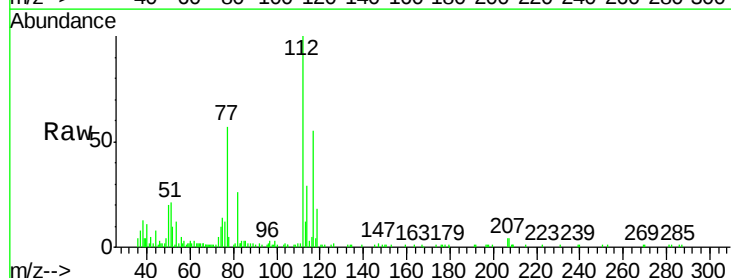
RT: 10.12 min Scan# 1482

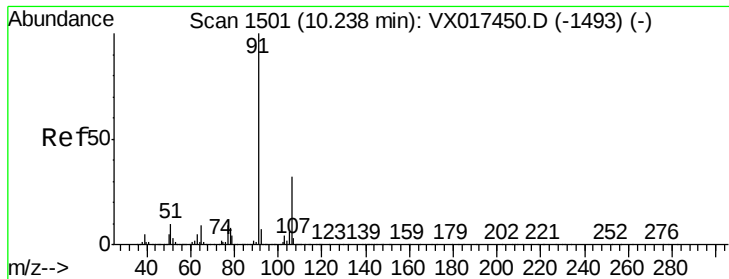
Delta R.T. 0.00 min

Lab File: VX017456.D

Acq: 21 Jul 2020 15:34

Tgt Ion:	112	Resp:	17516
Ion Ratio	Lower	Upper	
112	100		
114	29.4	23.1	42.9
77	57.3	46.2	69.2





#54

Ethylbenzene

Concen: 0.212 ug/L

RT: 10.23 min Scan# 1500

Delta R.T. -0.01 min

Lab File: VX017456.D

Acq: 21 Jul 2020 15:34

Instrument :

MSVOA_X

ClientSampleId :

MDL02

Tot Ion: 91 Resp: 24397

Ion Ratio Lower Upper

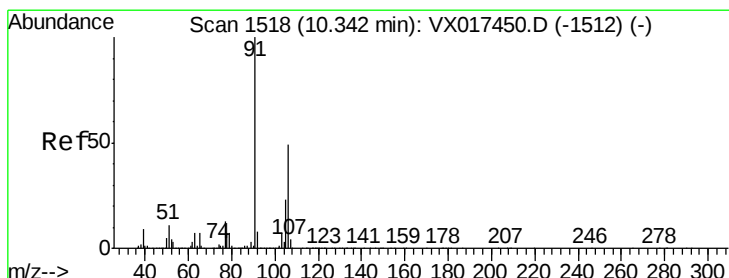
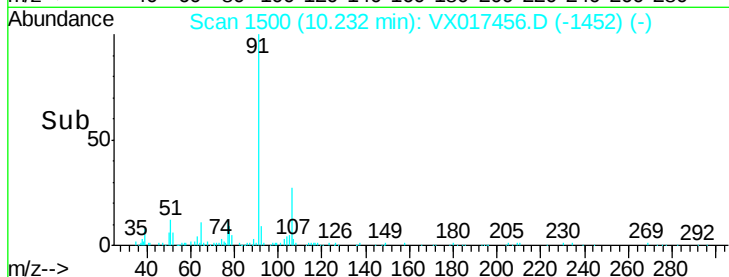
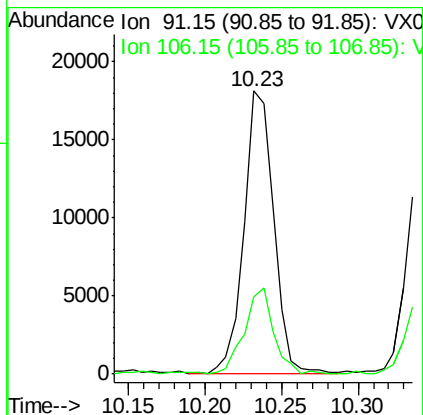
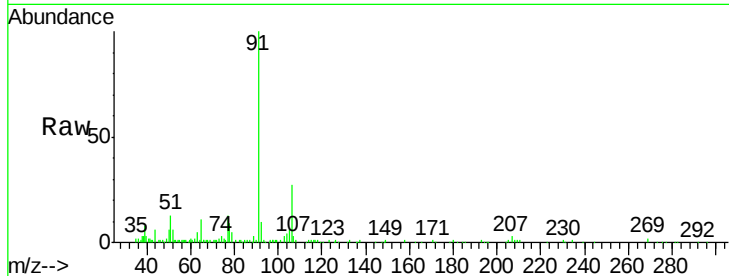
91 100

106 27.4 22.5 41.7

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#55

m,p-xylene

Concen: 0.198 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX017456.D

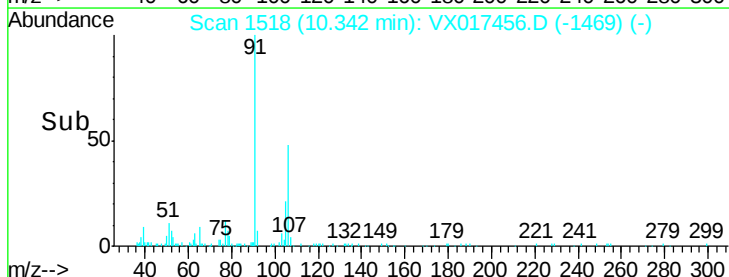
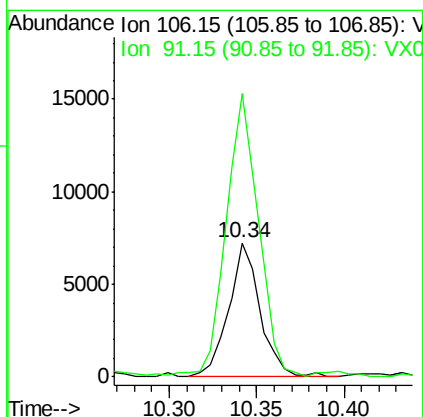
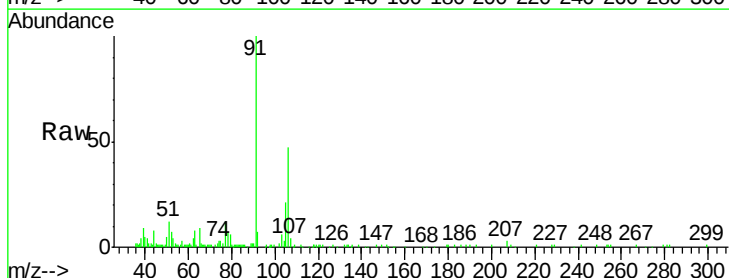
Acq: 21 Jul 2020 15:34

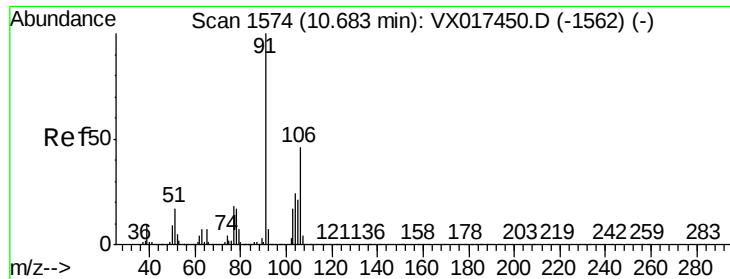
Tgt Ion: 106 Resp: 9088

Ion Ratio Lower Upper

106 100

91 210.9 142.7 264.9





#56

o-xylene

Concen: 0.204 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VX017456.D

Acq: 21 Jul 2020 15:34

Instrument :

MSVOA_X

ClientSampled :

MDL02

Tot Ion:106 Resp: 9104

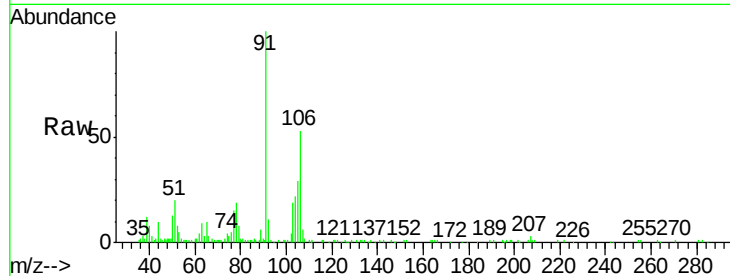
Ion Ratio Lower Upper

106 100

91 189.4 153.4 284.8

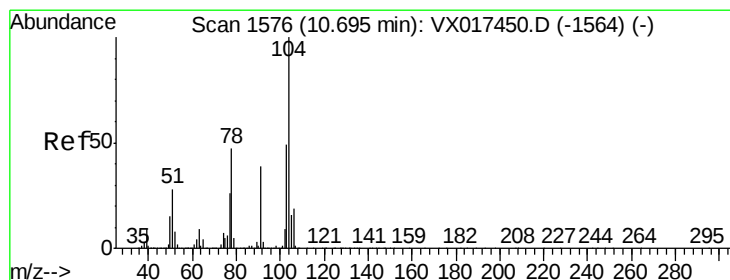
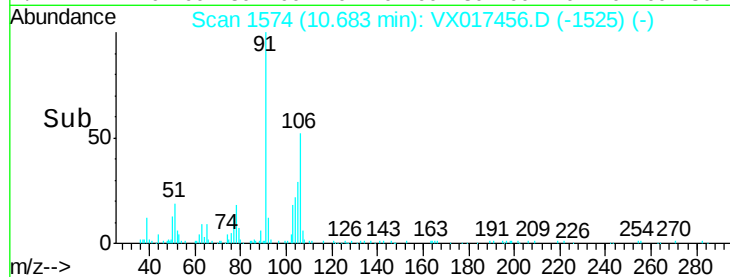
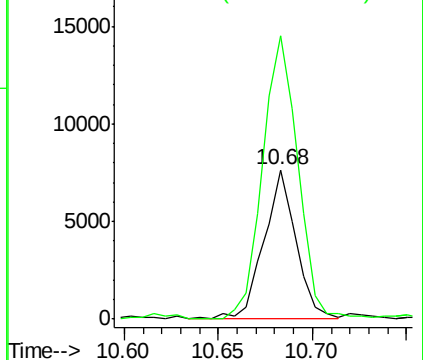
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Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0



#57

Styrene

Concen: 0.193 ug/L

RT: 10.70 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VX017456.D

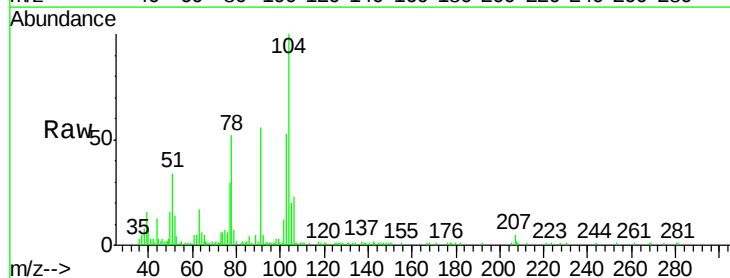
Acq: 21 Jul 2020 15:34

Tgt Ion:104 Resp: 14308

Ion Ratio Lower Upper

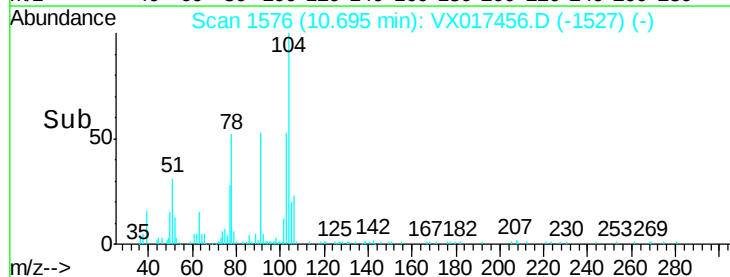
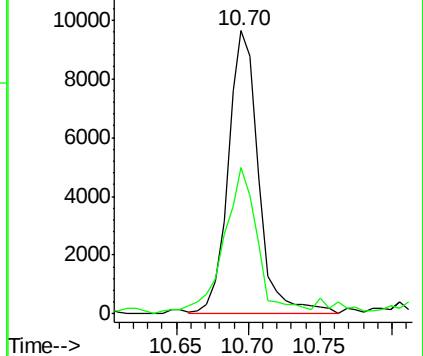
104 100

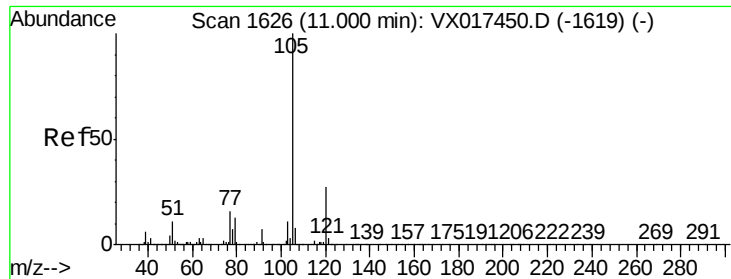
78 51.7 32.6 60.6



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VX0





#58

Isopropylbenzene

Concen: 0.207 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX017456.D

Acq: 21 Jul 2020 15:34

Instrument :

MSVOA_X

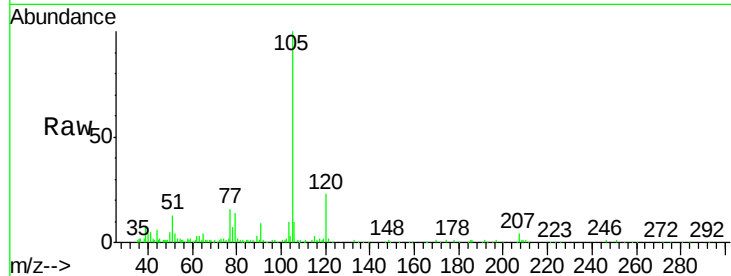
ClientSampled :

MDL02

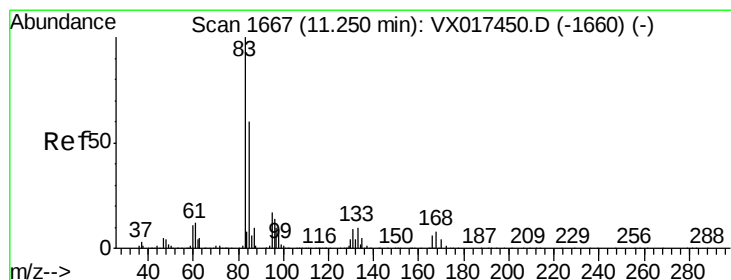
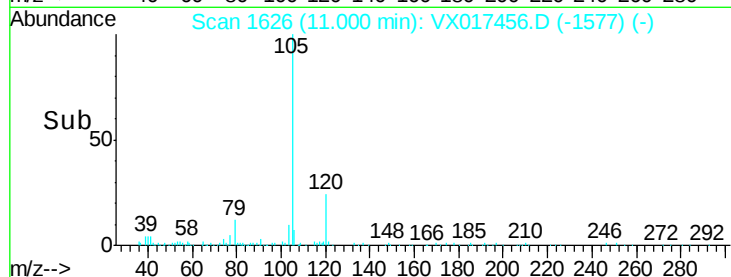
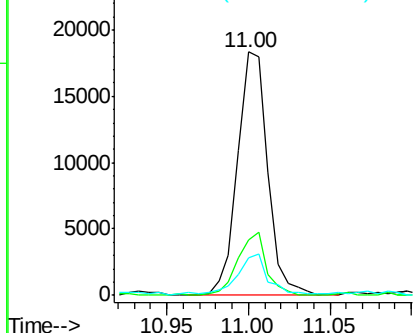
Tot Ion:	105	Resp:	23876
Ion Ratio	Lower	Upper	
105	100		
120	24.1	21.4	32.2
77	16.7	13.0	19.6

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Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.10 (119.80 to 120.80): V
Ion 77.10 (76.80 to 77.80): V



#60

1,1,2,2-Tetrachloroethane

Concen: 0.230 ug/L

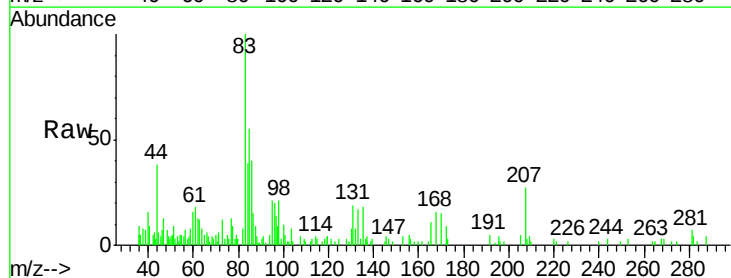
RT: 11.26 min Scan# 1668

Delta R.T. 0.01 min

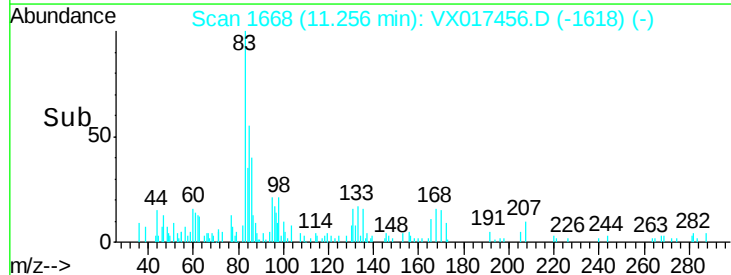
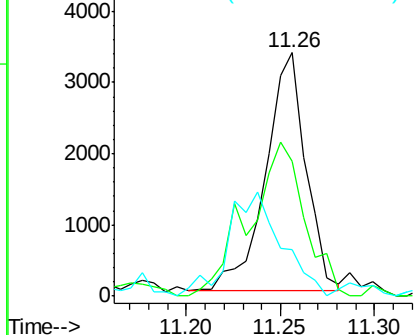
Lab File: VX017456.D

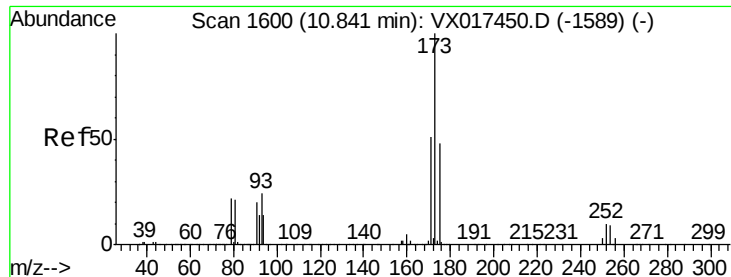
Acq: 21 Jul 2020 15:34

Tgt Ion:	83	Resp:	4981
Ion Ratio	Lower	Upper	
83	100		
85	55.2	42.1	78.1
131	19.1	7.7	11.5#



Abundance Ion 82.95 (82.65 to 83.65): VX0
Ion 85.00 (84.70 to 85.70): VX0
Ion 130.95 (130.65 to 131.65): V





#62

Bromoform

Concen: 0.217 ug/L

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX017456.D

Acq: 21 Jul 2020 15:34

Instrument :

MSVOA_X

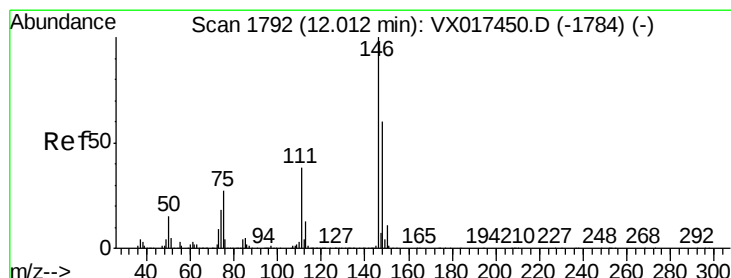
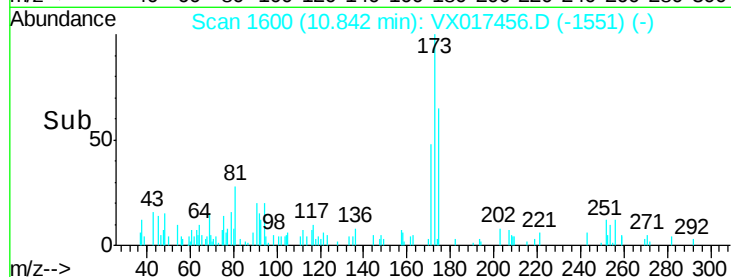
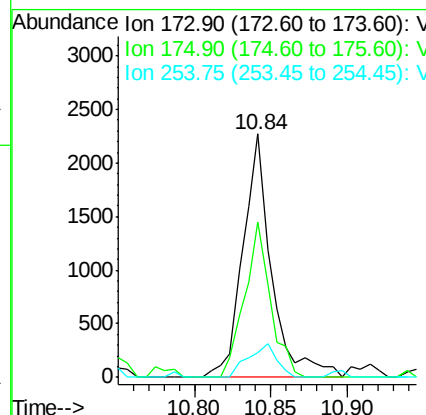
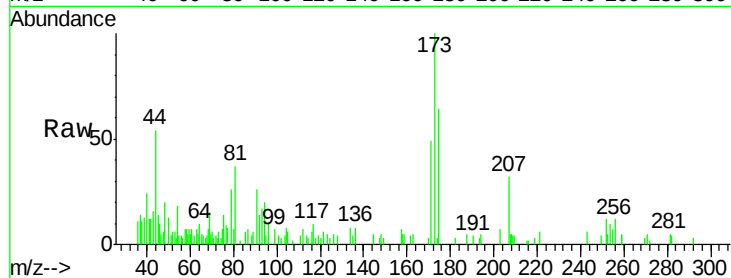
ClientSampleId :

MDL02

Tot Ion:	173	Resp:	2940
Ion	Ratio	Lower	Upper
173	100		
175	57.9	38.4	57.6#
254	13.7	7.4	11.2#

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#63

1,3-Dichlorobenzene

Concen: 0.235 ug/L

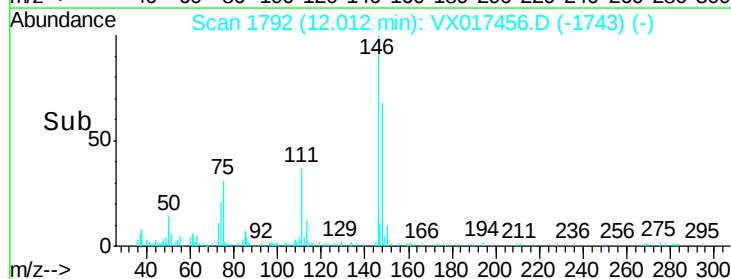
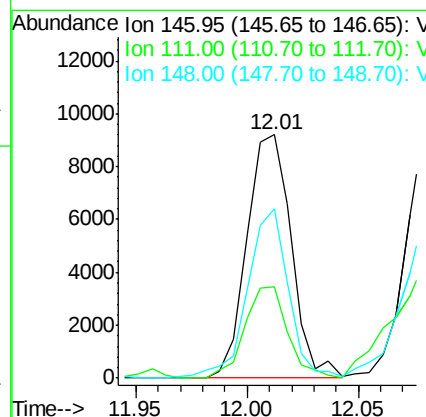
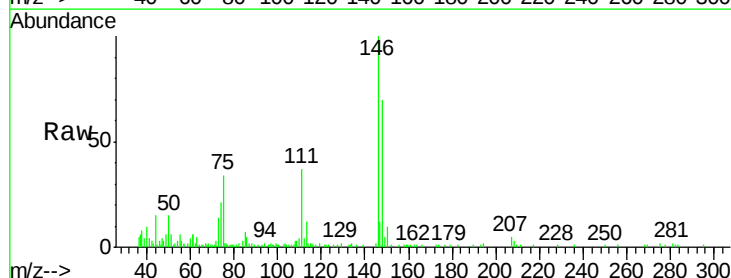
RT: 12.01 min Scan# 1792

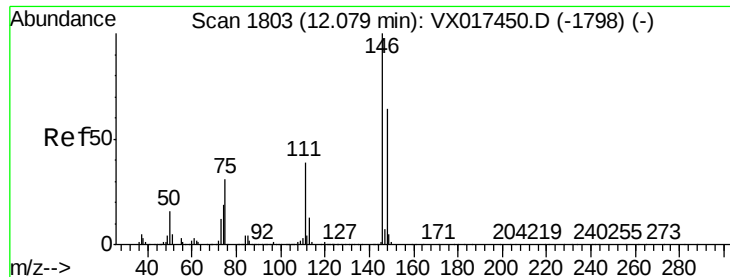
Delta R.T. 0.00 min

Lab File: VX017456.D

Acq: 21 Jul 2020 15:34

Tgt Ion:	146	Resp:	12819
Ion	Ratio	Lower	Upper
146	100		
111	37.4	26.8	49.8
148	69.8	42.1	78.3





#64

1,4-Dichlorobenzene

Concen: 0.238 ug/L

RT: 12.08 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VX017456.D

Acq: 21 Jul 2020 15:34

Instrument :

MSVOA_X

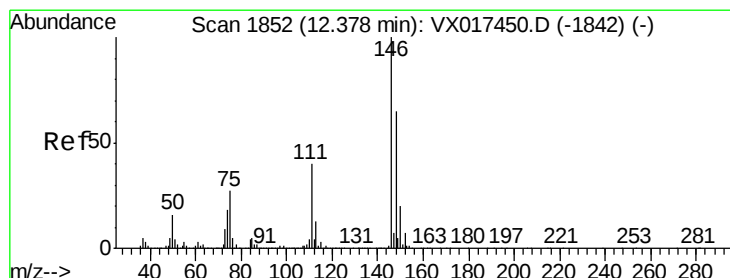
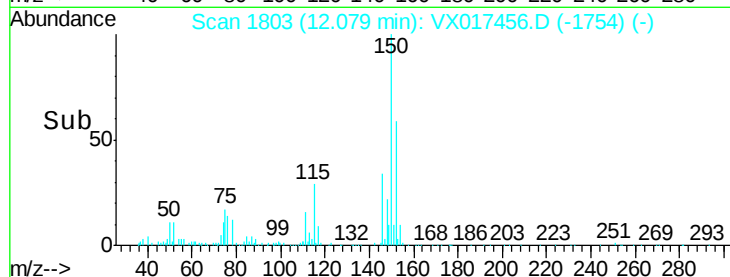
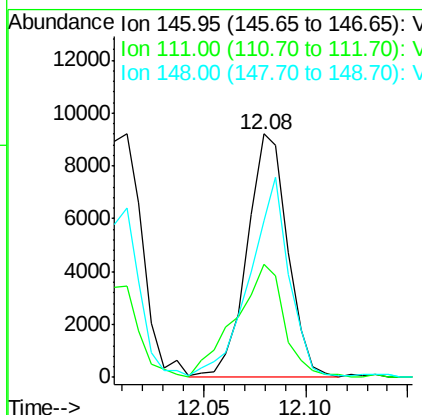
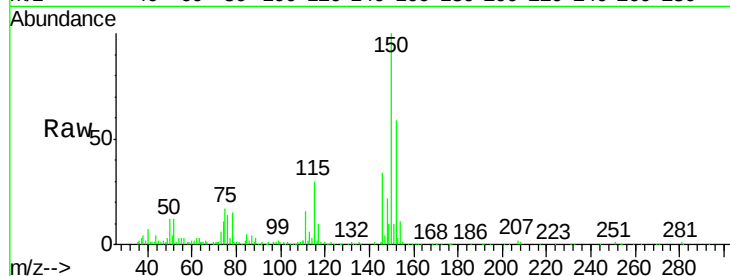
ClientSampled :

MDL02

Tot Ion:	146	Resp:	12768
Ion Ratio	Lower	Upper	
146	100		
111	46.3	27.7	51.5
148	64.4	44.9	83.5

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#66

1,2-Dichlorobenzene

Concen: 0.248 ug/L

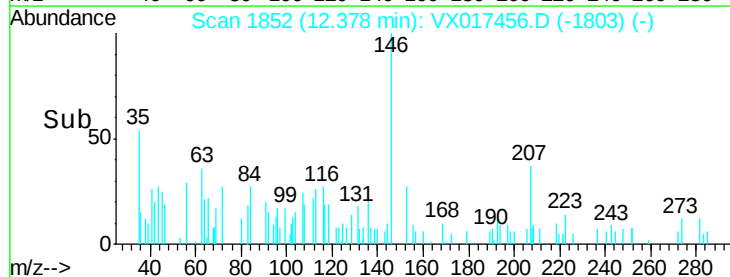
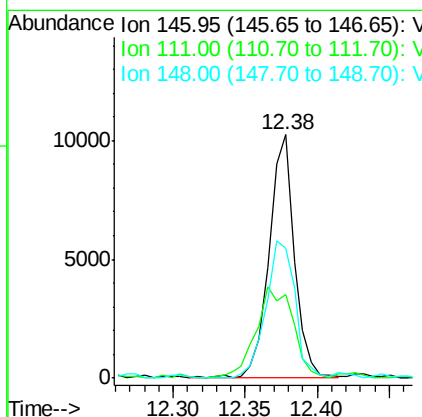
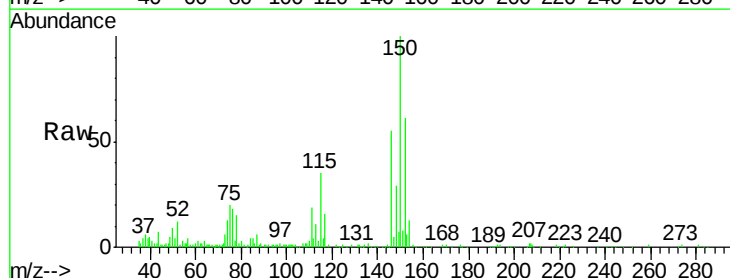
RT: 12.38 min Scan# 1852

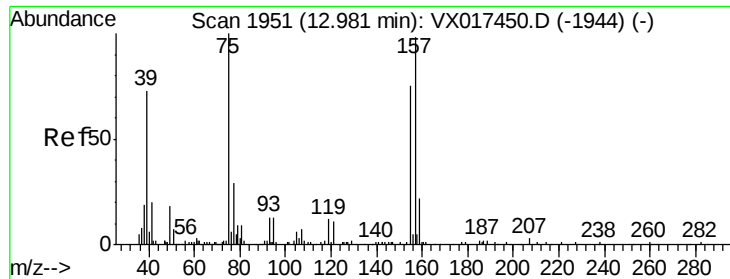
Delta R.T. 0.00 min

Lab File: VX017456.D

Acq: 21 Jul 2020 15:34

Tgt Ion:	146	Resp:	12533
Ion Ratio	Lower	Upper	
146	100		
111	34.4	31.8	47.6
148	53.4	51.8	77.8





#67

1,2-Dibromo-3-chloropropane

Concen: 0.327 ug/L

RT: 12.98 min Scan# 1950

Delta R.T. -0.01 min

Lab File: VX017456.D

Acq: 21 Jul 2020 15:34

Instrument :

MSVOA_X

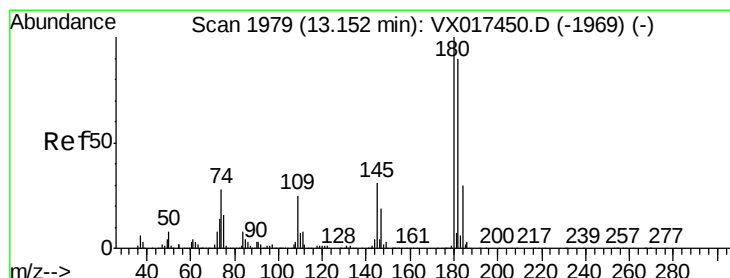
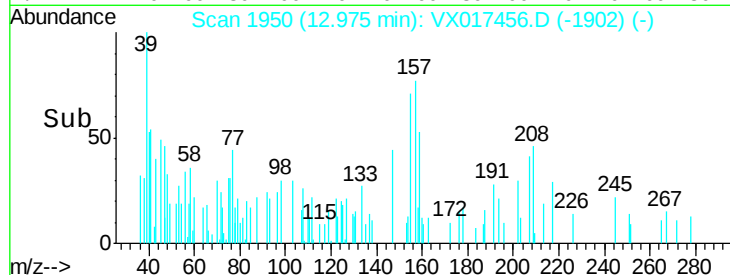
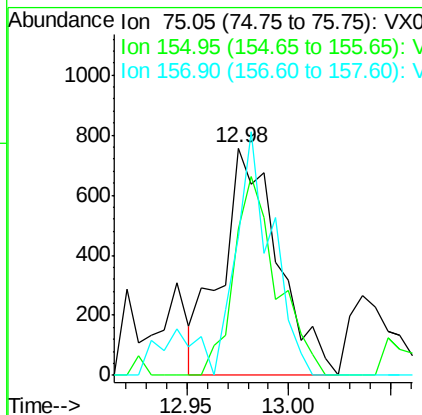
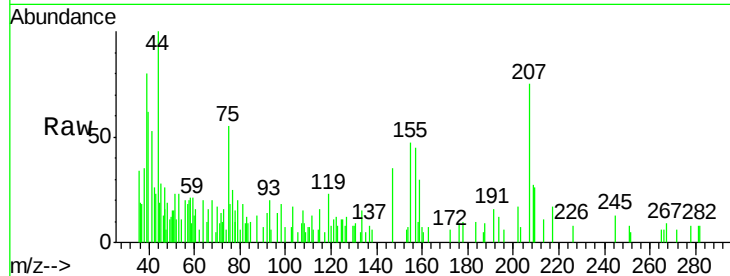
ClientSampled :

MDL02

Tot Ion:	75	Resp:	1455
Ion Ratio	Lower	Upper	
75	100		
155	64.5	59.6	89.4
157	61.1	78.7	118.1#

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#68

1,3,5-Trichlorobenzene

Concen: 0.247 ug/L

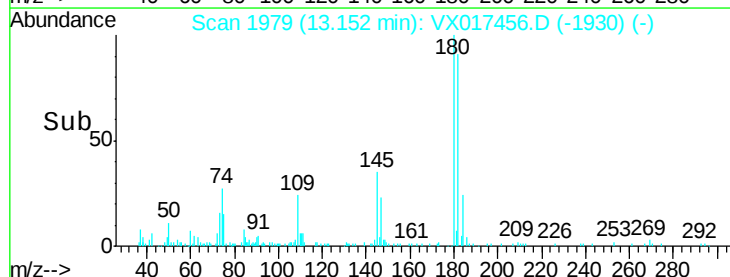
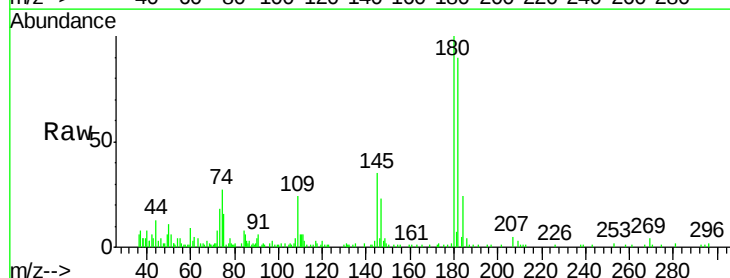
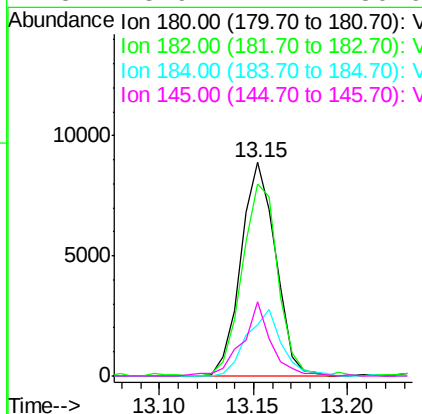
RT: 13.15 min Scan# 1979

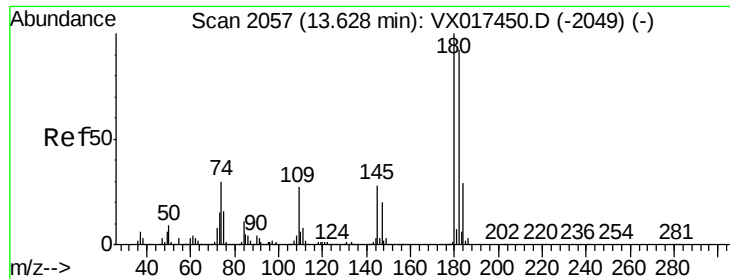
Delta R.T. 0.00 min

Lab File: VX017456.D

Acq: 21 Jul 2020 15:34

Tgt Ion:	180	Resp:	11360
Ion Ratio	Lower	Upper	
180	100		
182	92.2	73.8	110.8
184	31.7	24.2	36.2
145	28.9	24.4	36.6





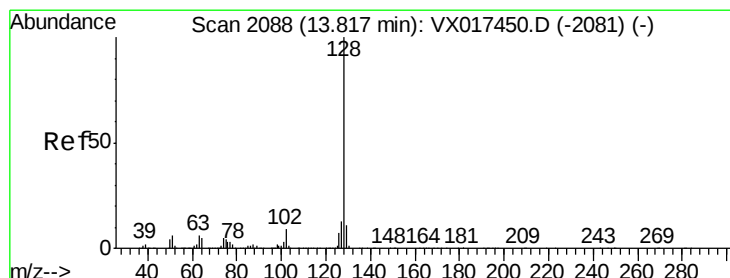
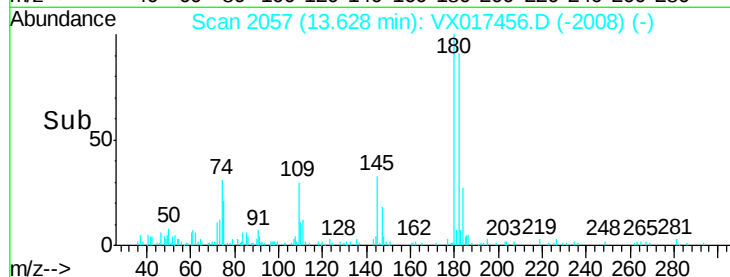
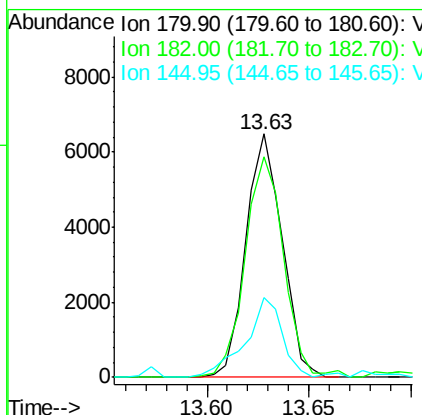
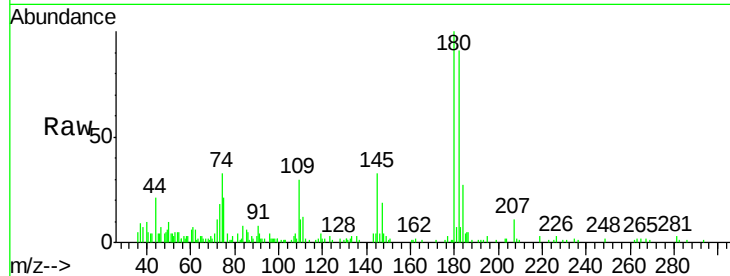
#69
1,2,4-trichlorobenzene
Concen: 0.238 ug/L
RT: 13.63 min Scan# 2057
Delta R.T. 0.00 min
Lab File: VX017456.D
Acq: 21 Jul 2020 15:34

Instrument :
MSVOA_X
ClientSampled :
MDL02

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.2	75.3	112.9
145	33.4	24.3	36.5

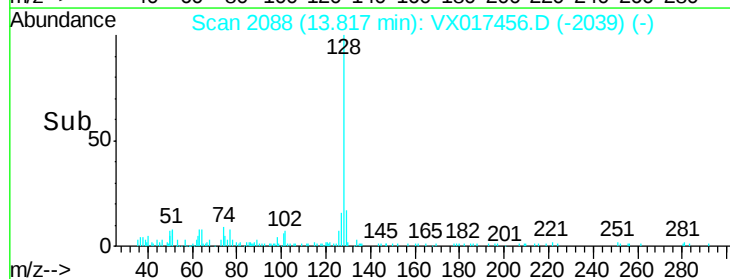
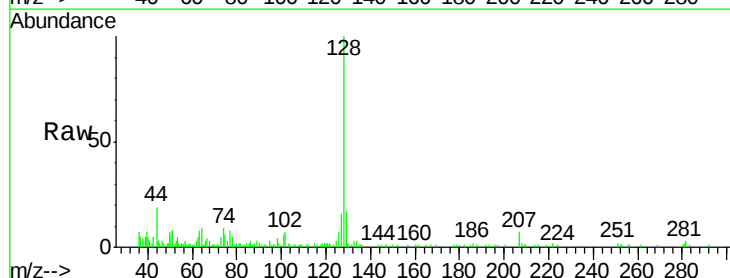
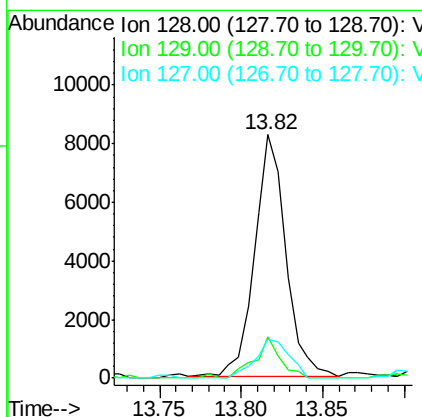
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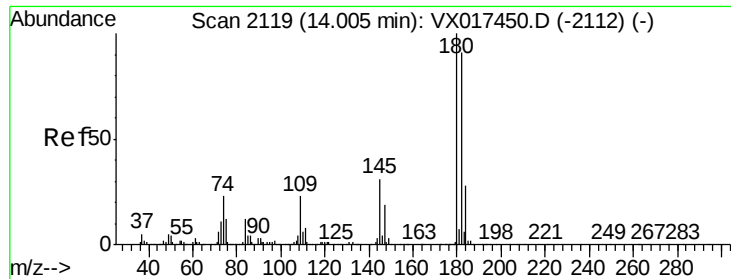
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#70
Naphthalene
Concen: 0.187 ug/L
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX017456.D
Acq: 21 Jul 2020 15:34

Tgt Ion	Ratio	Lower	Upper
128	100		
129	13.7	8.7	13.1#
127	17.5	10.2	15.4#





#71
 1,2,3-Trichlorobenzene
 Concen: 0.217 ug/L
 RT: 14.01 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VX017456.D
 Acq: 21 Jul 2020 15:34

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL02

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.7	75.3	112.9
145	39.2	26.9	40.3

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