

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX050620\
 Data File : VX016077.D
 Acq On : 06 May 2020 12:42
 Operator : JC/SP
 Sample : L2182-09 .2PPB MDL
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2020DL

Manual Integrations
 APPROVED

MMDadoda
 5/8/2020 11:54:49 AM

Quant Time: May 07 07:52:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 07 07:43:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	317384	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	506945	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	451253	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	217783	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	194576	46.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.18%	
35) Dibromofluoromethane	5.46	113	144104	44.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.74%	
50) Toluene-d8	8.70	98	568214	45.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.84%	
62) 4-Bromofluorobenzene	11.12	95	210681	44.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.52%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.18	85	710	0.211	ug/l	96
3) Chloromethane	1.31	50	1075	0.276	ug/l #	77
4) Vinyl Chloride	1.39	62	954	0.229	ug/l #	74
5) Bromomethane	1.64	94	871	0.415	ug/l	91
6) Chloroethane	1.72	64	532	0.210	ug/l #	81
7) Trichlorofluoromethane	1.92	101	1174	0.215	ug/l #	72
9) 1,1,2-Trichlorotrifluoroet	2.37	101	826	0.262	ug/l	94
10) Methyl Iodide	2.49	142	1080	0.255	ug/l #	86
11) Tert butyl alcohol	3.01	59	1094	1.036	ug/l #	93
12) 1,1-Dichloroethene	2.36	96	1263	0.383	ug/l	82
13) Acrolein	2.27	56	925	1.400	ug/l	94
15) Acrylonitrile	3.12	53	2721	1.242	ug/l	94
16) Acetone	2.42	43	2607	1.399	ug/l	94
17) Carbon Disulfide	2.55	76	5584	0.497	ug/l	100
18) Methyl Acetate	2.75	43	1412	0.308	ug/l	94
20) Methylene Chloride	2.83	84	1113	0.290	ug/l #	87
21) trans-1,2-Dichloroethene	3.15	96	1259	0.342	ug/l	96
22) Diisopropyl ether	3.83	45	2513	0.220	ug/l #	90
23) Vinyl Acetate	3.78	43	7724	0.769	ug/l	94
24) 1,1-Dichloroethane	3.68	63	1278	0.200	ug/l #	82
25) 2-Butanone	4.65	43	3709	1.235	ug/l	97
26) 2,2-Dichloropropane	4.55	77	1379	0.237	ug/l	98
27) cis-1,2-Dichloroethene	4.56	96	1389m	0.346	ug/l	
28) Bromochloromethane	4.98	49	681	0.234	ug/l #	98
29) Tetrahydrofuran	5.10	42	2500	1.256	ug/l #	76
30) Chloroform	5.18	83	1366	0.215	ug/l #	78
31) Cyclohexane	5.56	56	1390	0.240	ug/l #	79
32) 1,1,1-Trichloroethane	5.46	97	1326	0.229	ug/l #	50
36) 1,1-Dichloropropene	5.78	75	1529m	0.306	ug/l	
37) Ethyl Acetate	4.81	43	1276	0.221	ug/l #	83
39) Methylcyclohexane	7.44	83	1510	0.251	ug/l	86
40) Benzene	6.12	78	3313	0.227	ug/l	94
41) Methacrylonitrile	4.99	41	1123m	0.360	ug/l	
42) 1,2-Dichloroethane	6.17	62	1590	0.302	ug/l	98

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Manual Integrations
 APPROVED

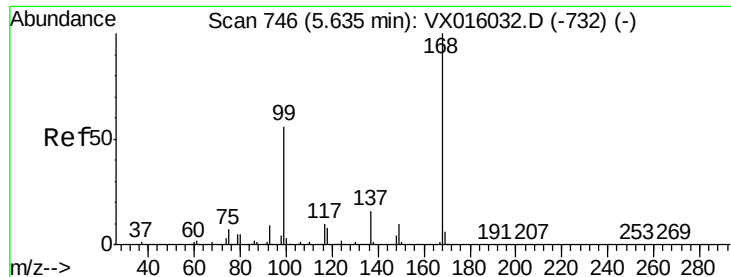
MMDadoda
 5/8/2020 11:54:49 AM

Quant Time: May 07 07:52:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 07 07:43:09 2020
 Response via : Initial Calibration

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

43) Isopropyl Acetate	6.42	43	2110	0.229	ug/l #	89
44) Trichloroethene	7.19	130	1432	0.276	ug/l	82
45) 1,2-Dichloropropane	7.49	63	746	0.202	ug/l	92
46) Dibromomethane	7.64	93	618	0.246	ug/l	94
48) Methyl methacrylate	7.76	41	1001	0.229	ug/l #	72
49) 1,4-Dioxane	7.74	88	370	3.528	ug/l #	78
51) 4-Methyl-2-Pentanone	8.62	43	4755	0.842	ug/l	96
52) Toluene	8.77	92	1823	0.200	ug/l	95
53) t-1,3-Dichloropropene	9.02	75	1428	0.234	ug/l	98
54) cis-1,3-Dichloropropene	8.42	75	1352	0.212	ug/l	94
55) 1,1,2-Trichloroethane	9.20	97	927	0.259	ug/l #	77
58) 2-Chloroethyl Vinyl ether	8.29	63	4384	1.409	ug/l	98
59) 2-Hexanone	9.48	43	3893	0.878	ug/l	98
64) Tetrachloroethene	9.32	164	1251	0.226	ug/l #	87
65) Chlorobenzene	10.12	112	2214	0.234	ug/l	91
67) Ethyl Benzene	10.24	91	3606	0.214	ug/l	94
68) m/p-Xylenes	10.34	106	2797	0.443	ug/l	95
69) o-Xylene	10.68	106	1221	0.201	ug/l	85
70) Styrene	10.70	104	2189	0.213	ug/l #	87
73) Isopropylbenzene	11.00	105	3377	0.213	ug/l	99
74) N-amyl acetate	10.88	43	1615	0.219	ug/l	95
76) 1,2,3-Trichloropropane	11.28	75	1112m	0.225	ug/l	
77) Bromobenzene	11.24	156	1091	0.267	ug/l	86
78) n-propylbenzene	11.34	91	4483	0.243	ug/l	97
79) 2-Chlorotoluene	11.41	91	2748	0.253	ug/l	87
80) 1,3,5-Trimethylbenzene	11.49	105	2746	0.205	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.06	75	701m	0.338	ug/l	
82) 4-Chlorotoluene	11.49	91	3442	0.268	ug/l	95
83) tert-Butylbenzene	11.76	119	2524	0.219	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	3138	0.232	ug/l	99
85) sec-Butylbenzene	11.93	105	3349	0.215	ug/l	98
86) p-Isopropyltoluene	12.05	119	3589	0.248	ug/l #	80
87) 1,3-Dichlorobenzene	12.01	146	2278	0.310	ug/l	97
88) 1,4-Dichlorobenzene	12.08	146	2589m	0.347	ug/l	
89) n-Butylbenzene	12.37	91	3978	0.301	ug/l	96
91) 1,2-Dichlorobenzene	12.38	146	1902	0.269	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	12.98	75	428	0.329	ug/l	59
93) 1,2,4-Trichlorobenzene	13.63	180	2357	0.450	ug/l	95
94) Hexachlorobutadiene	13.77	225	919	0.380	ug/l	85
95) Naphthalene	13.82	128	5820	0.343	ug/l #	96
96) 1,2,3-Trichlorobenzene	14.00	180	2196	0.429	ug/l	93

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX016077.D

Acq: 06 May 2020 12:42

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion:168 Resp: 317384

Ion Ratio Lower Upper

168 100

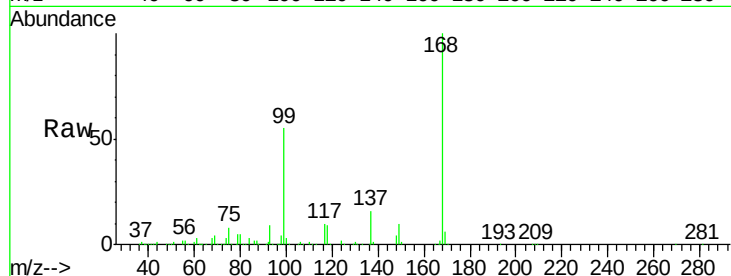
99 55.2 45.0 67.4

Manual Integrations

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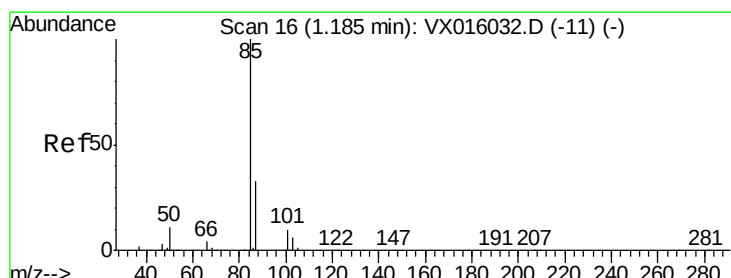
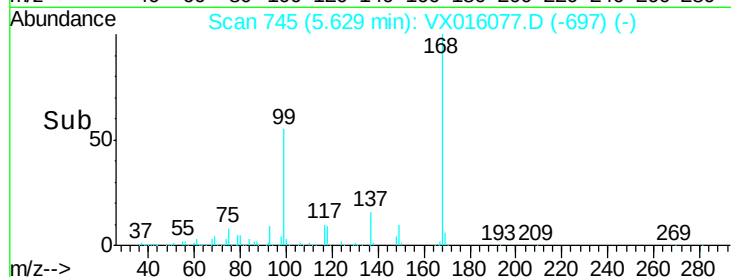
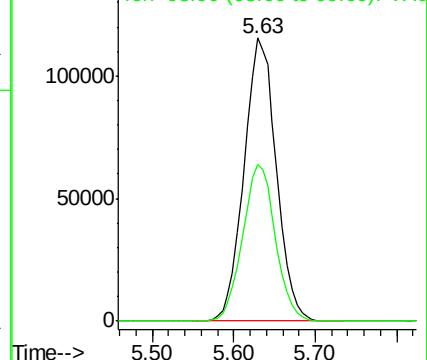
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 0.211 ug/l

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX016077.D

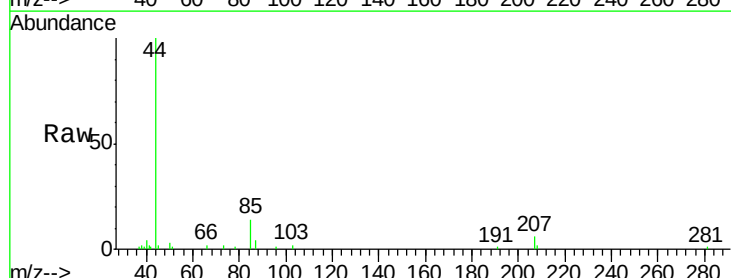
Acq: 06 May 2020 12:42

Tgt Ion: 85 Resp: 710

Ion Ratio Lower Upper

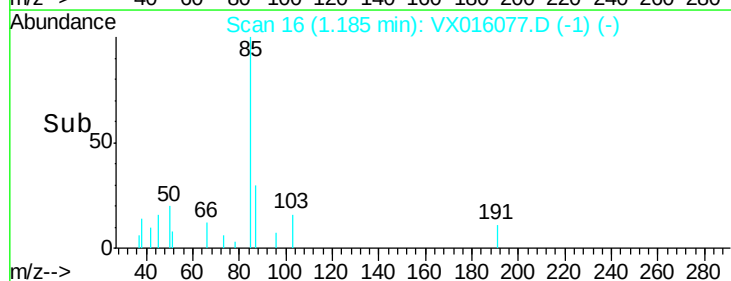
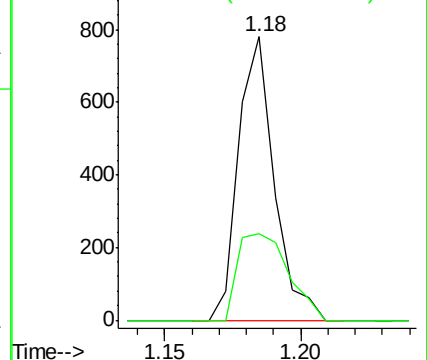
85 100

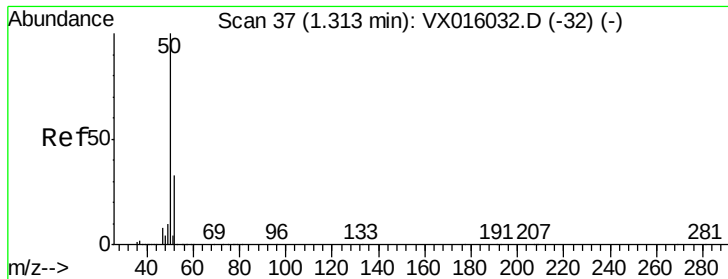
87 30.4 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 0.276 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016077.D

Acq: 06 May 2020 12:42

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion: 50 Resp: 1075

Ion Ratio Lower Upper

50 100

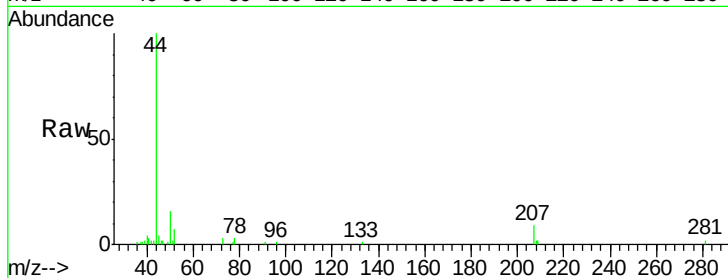
52 45.3 26.1 39.1#

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

800

600

400

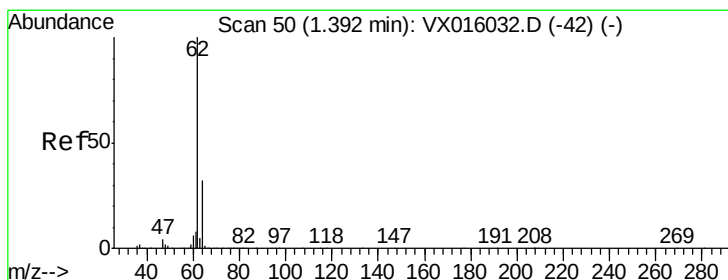
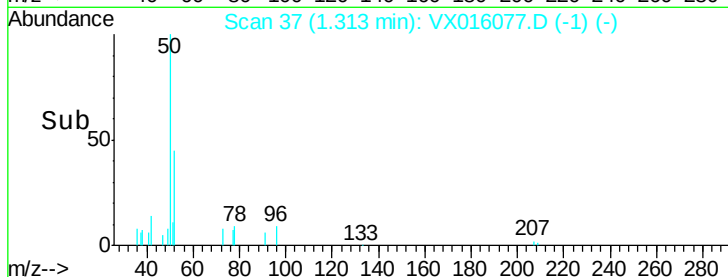
200

0

1.30

1.35

Time-->



#4

Vinyl Chloride

Concen: 0.229 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016077.D

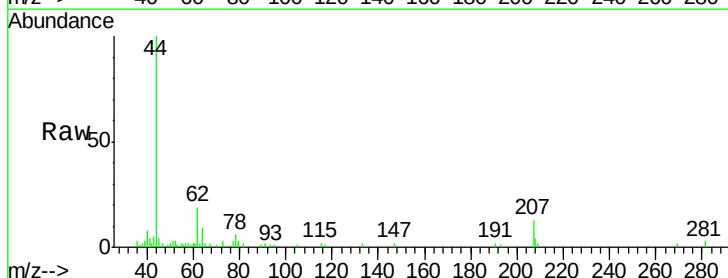
Acq: 06 May 2020 12:42

Tgt Ion: 62 Resp: 954

Ion Ratio Lower Upper

62 100

64 46.7 25.7 38.5#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.39

800

600

400

200

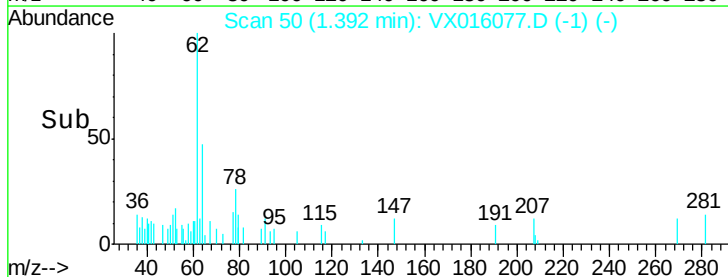
0

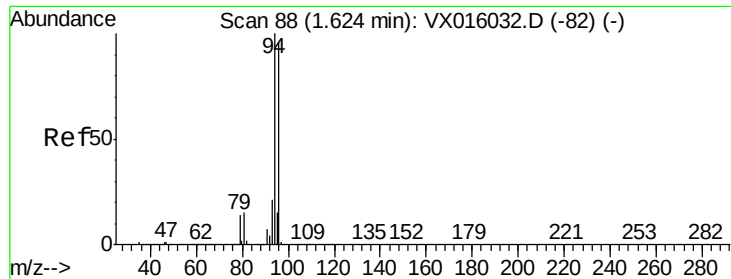
1.35

1.40

1.45

Time-->





#5

Bromomethane

Concen: 0.415 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX016077.D

Acq: 06 May 2020 12:42

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion: 94 Resp: 871

Ion Ratio Lower Upper

94 100

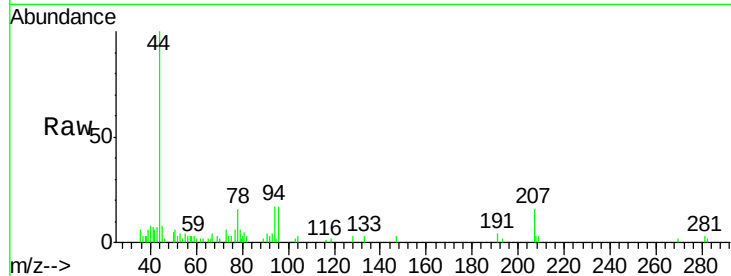
96 87.6 76.9 115.3

Manual Integrations

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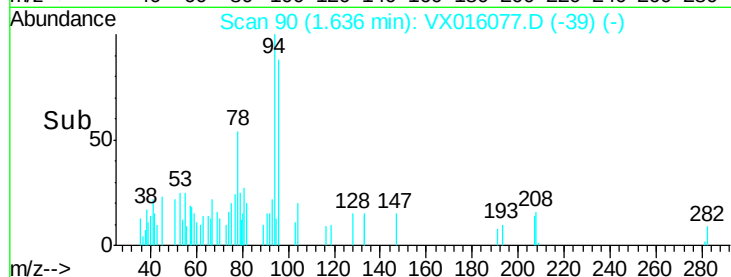
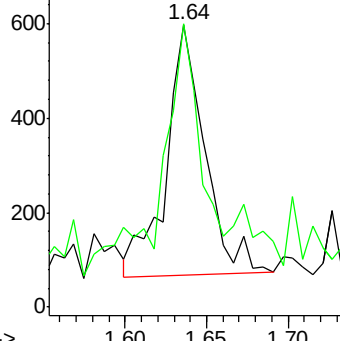
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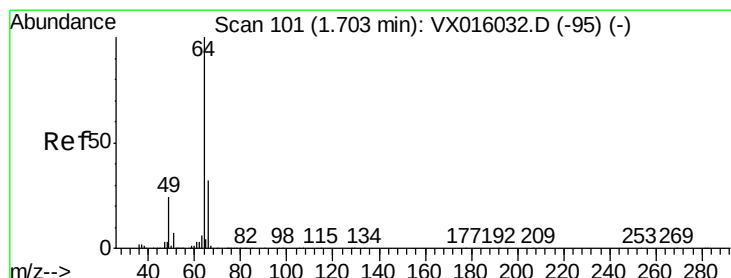


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#6

Chloroethane

Concen: 0.210 ug/l

RT: 1.72 min Scan# 103

Delta R.T. 0.01 min

Lab File: VX016077.D

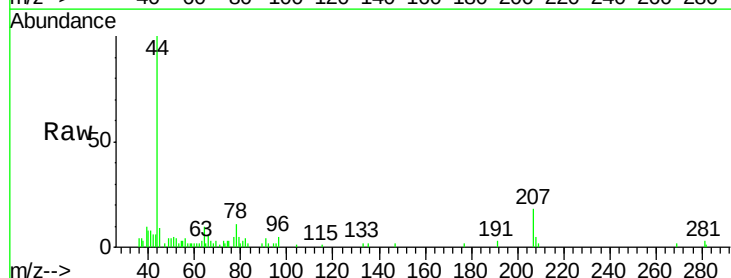
Acq: 06 May 2020 12:42

Tgt Ion: 64 Resp: 532

Ion Ratio Lower Upper

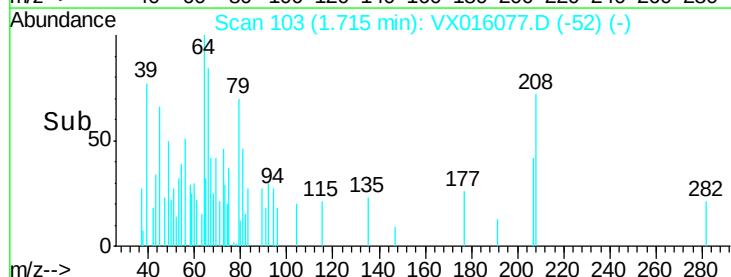
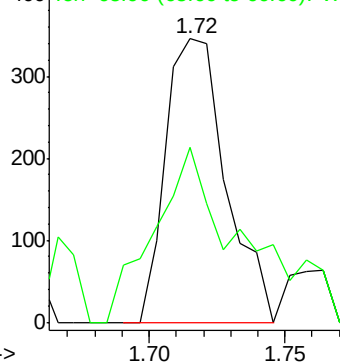
64 100

66 41.9 25.2 37.8#

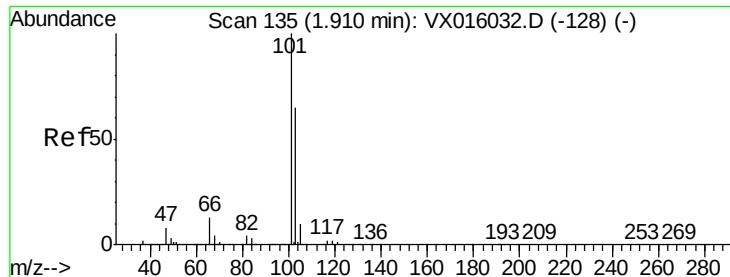


Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



Time-->



#7

Trichlorofluoromethane

Concen: 0.215 ug/l

RT: 1.92 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX016077.D

Acq: 06 May 2020 12:42

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion:101 Resp: 1174

Ion Ratio Lower Upper

101 100

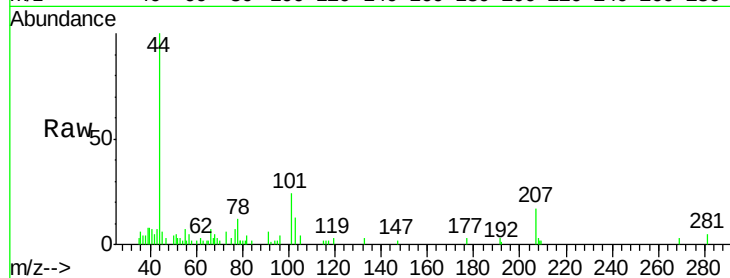
103 42.6 51.8 77.6#

Manual Integrations

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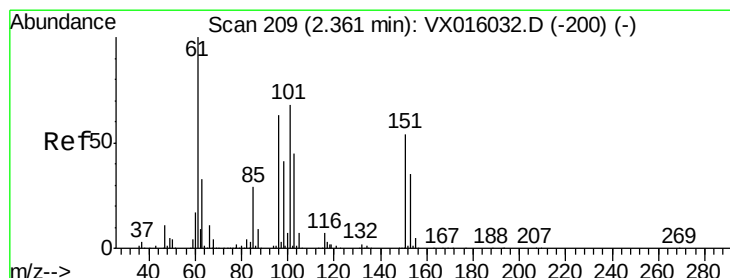
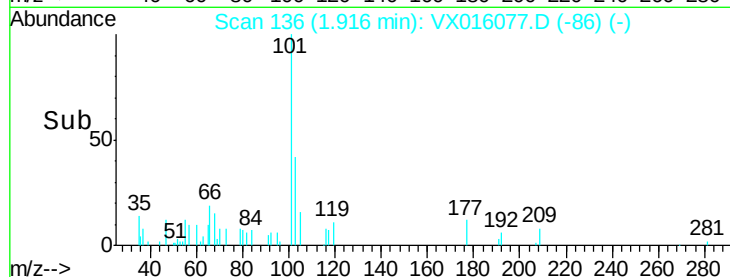
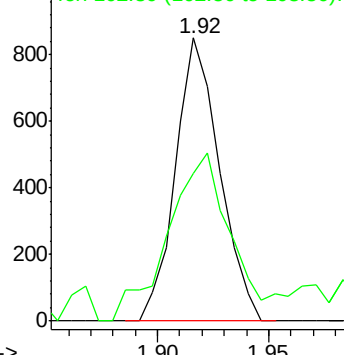
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5/8/2020 11:54:49 AM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.262 ug/l

RT: 2.37 min Scan# 210

Delta R.T. 0.01 min

Lab File: VX016077.D

Acq: 06 May 2020 12:42

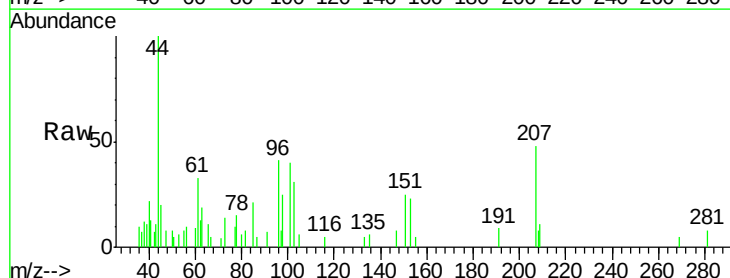
Tgt Ion:101 Resp: 826

Ion Ratio Lower Upper

101 100

85 47.8 34.2 51.4

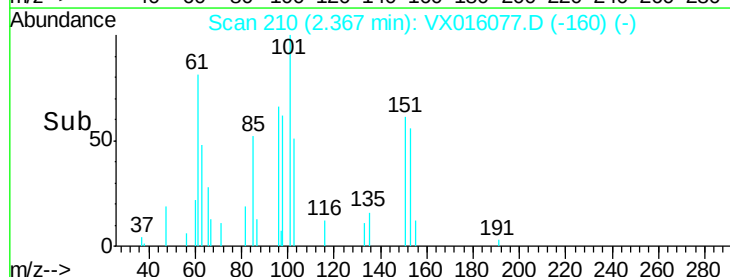
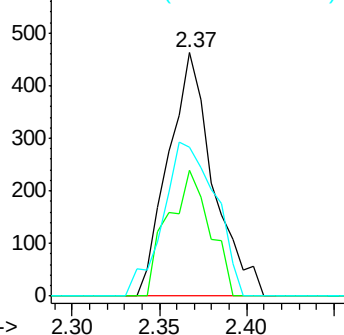
151 73.6 62.1 93.1

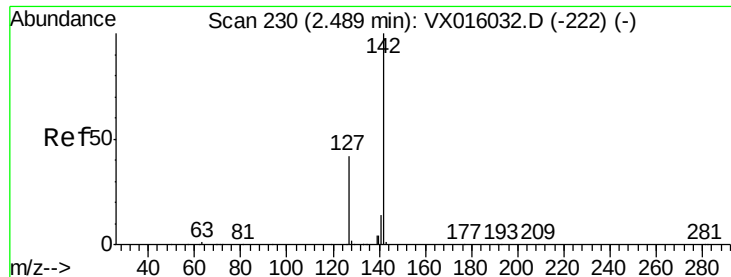


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V





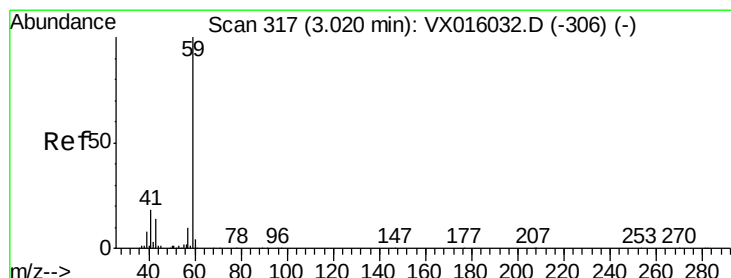
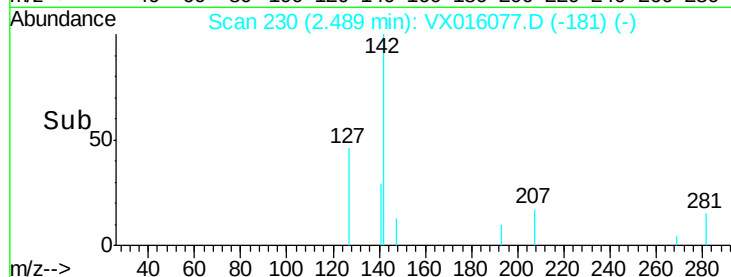
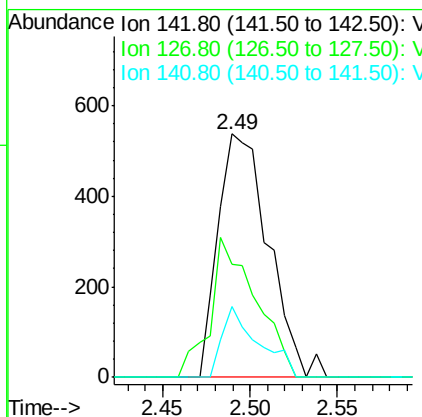
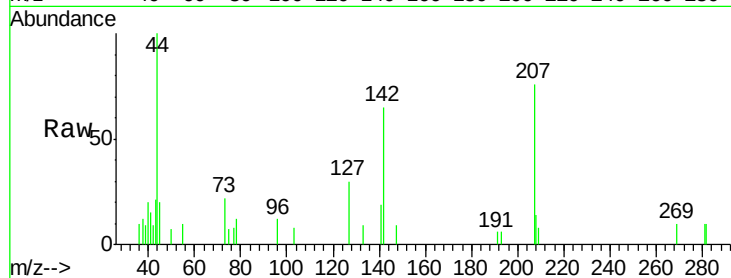
#10
Methvl Iodide
Concen: 0.255 ug/l
RT: 2.49 min Scan# 230
Delta R.T. -0.00 min
Lab File: VX016077.D
Acq: 06 May 2020 12:42

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2020DL

Tot Ion	Ratio	Lower	Upper
142	100		
127	51.9	34.6	52.0
141	20.8	11.3	16.9

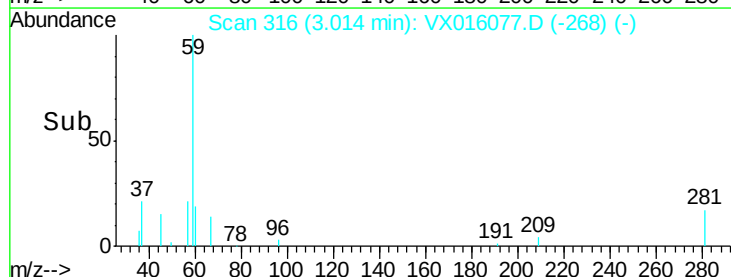
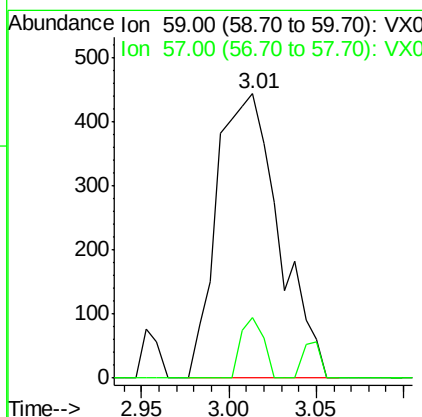
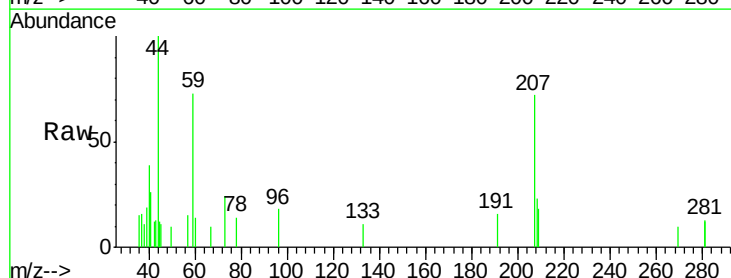
Manual Integrations
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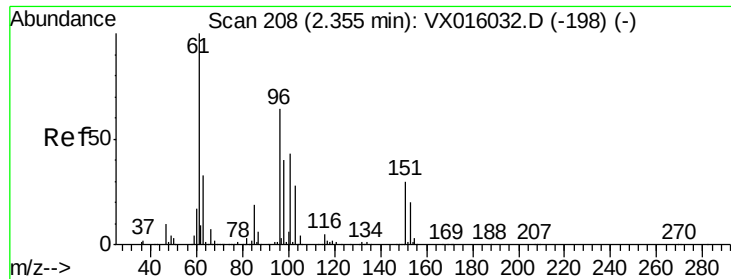
MMDadoda
5/8/2020 11:54:49 AM



#11
Tert butyl alcohol
Concen: 1.036 ug/l
RT: 3.01 min Scan# 316
Delta R.T. -0.01 min
Lab File: VX016077.D
Acq: 06 May 2020 12:42

Tgt Ion	Ratio	Lower	Upper
59	100		
57	7.7	8.2	12.4





#12

1,1-Dichloroethene

Concen: 0.383 ug/l

RT: 2.36 min Scan# 208

Delta R.T. -0.00 min

Lab File: VX016077.D

Acq: 06 May 2020 12:42

Instrument :

MSVOA_X

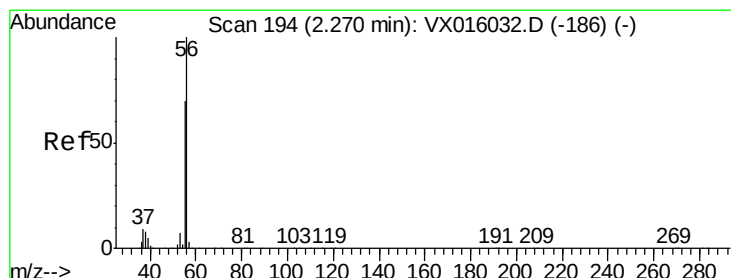
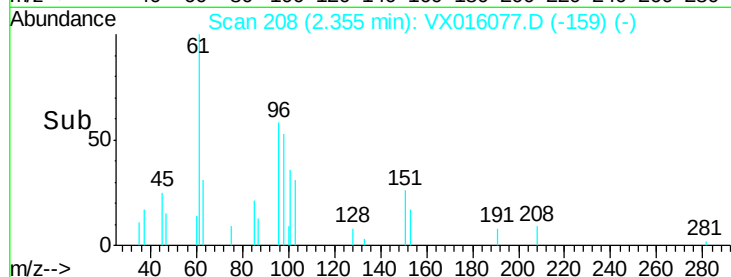
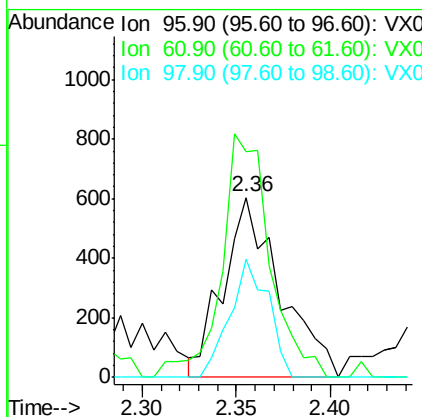
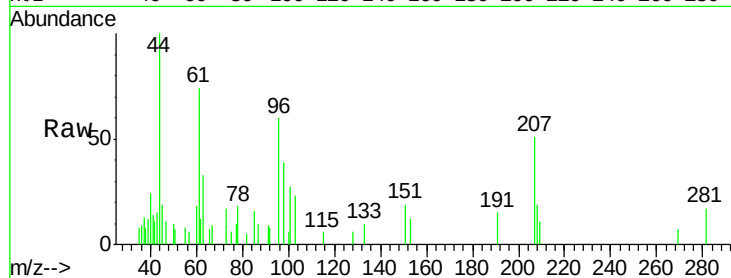
ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion:	96	Resp:	1263
Ion	Ratio	Lower	Upper
96	100		
61	125.0	124.8	187.2
98	65.6	49.7	74.5

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#13

Acrolein

Concen: 1.400 ug/l

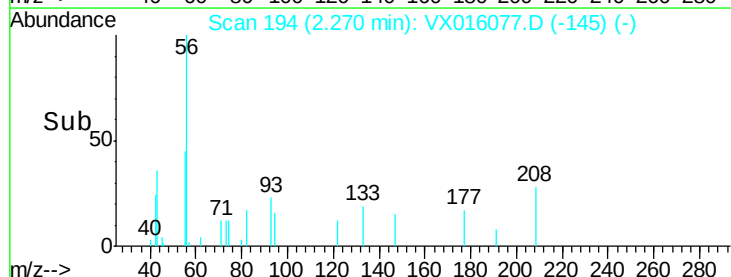
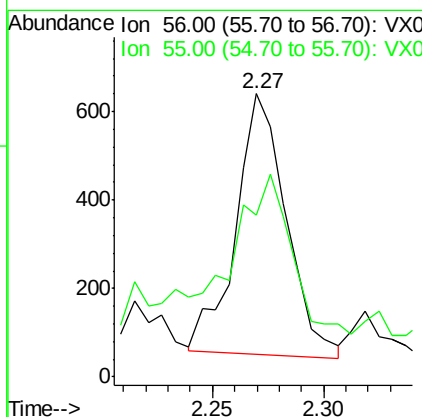
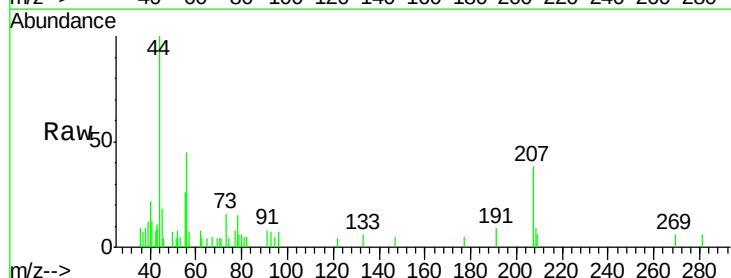
RT: 2.27 min Scan# 194

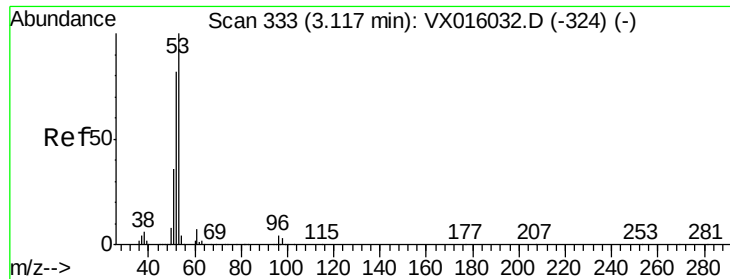
Delta R.T. -0.00 min

Lab File: VX016077.D

Acq: 06 May 2020 12:42

Tgt Ion:	56	Resp:	925
Ion	Ratio	Lower	Upper
56	100		
55	66.1	56.5	84.7





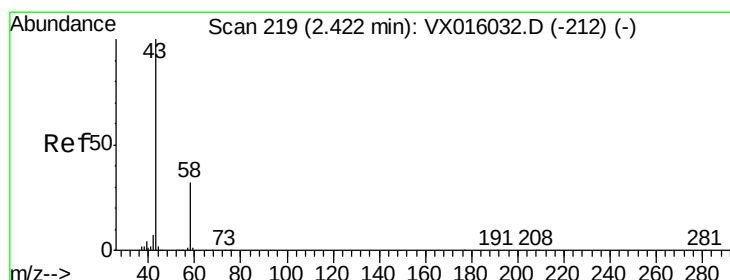
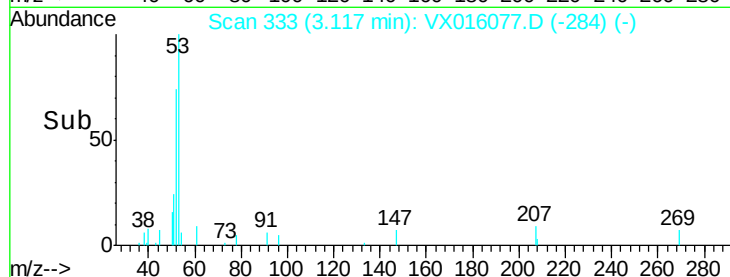
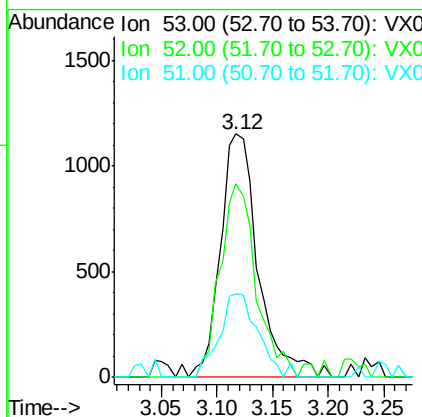
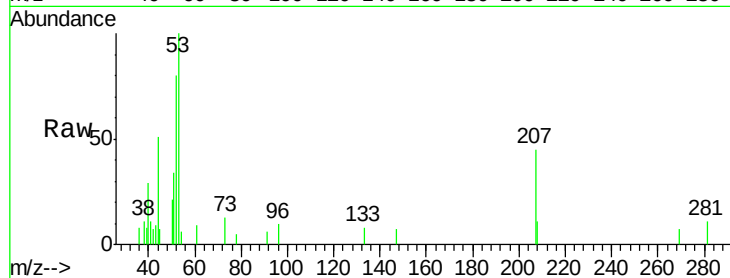
#15
 Acrylonitrile
 Concen: 1.242 ug/l
 RT: 3.12 min Scan# 333
 Delta R.T. -0.00 min
 Lab File: VX016077.D
 Acq: 06 May 2020 12:42

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2020DL

Tot Ion:	53	Resp:	2721
Ion	Ratio	Lower	Upper
53	100		
52	75.7	66.1	99.1
51	35.1	28.8	43.2

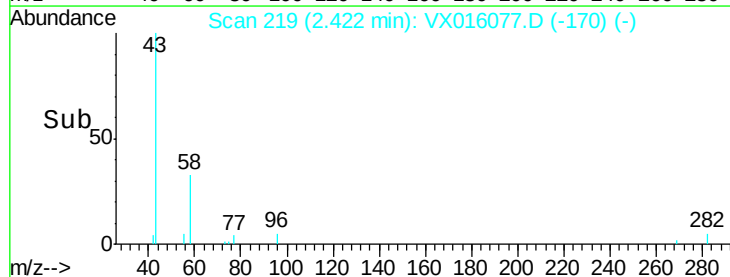
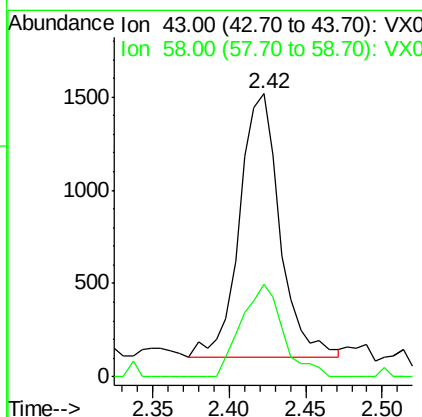
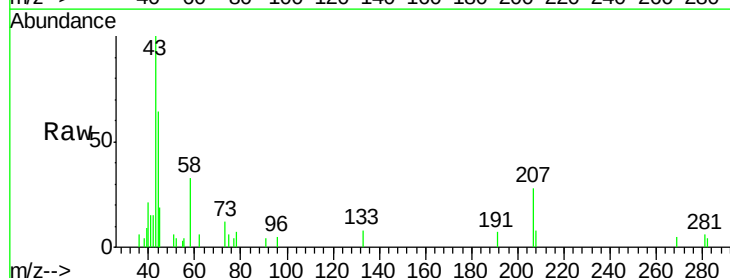
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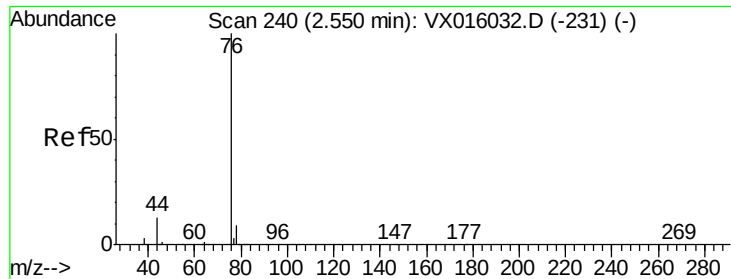
MMDadoda
 5/8/2020 11:54:49 AM



#16
 Acetone
 Concen: 1.399 ug/l
 RT: 2.42 min Scan# 219
 Delta R.T. -0.00 min
 Lab File: VX016077.D
 Acq: 06 May 2020 12:42

Tgt Ion:	43	Resp:	2607
Ion	Ratio	Lower	Upper
43	100		
58	35.0	25.4	38.0





#17

Carbon Disulfide

Concen: 0.497 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX016077.D

Acq: 06 May 2020 12:42

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion: 76 Resp: 5584

Ion Ratio Lower Upper

76 100

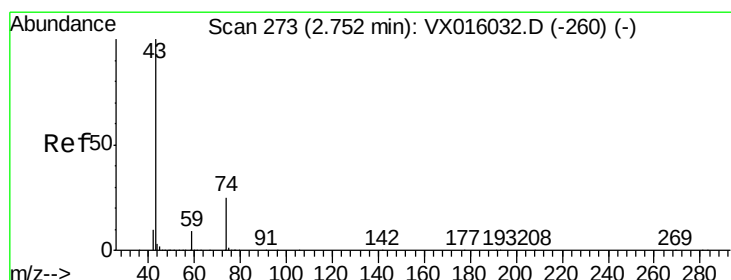
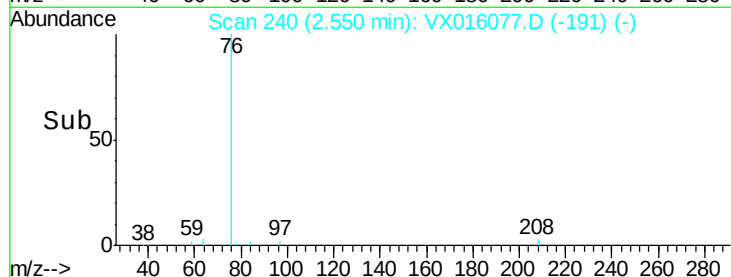
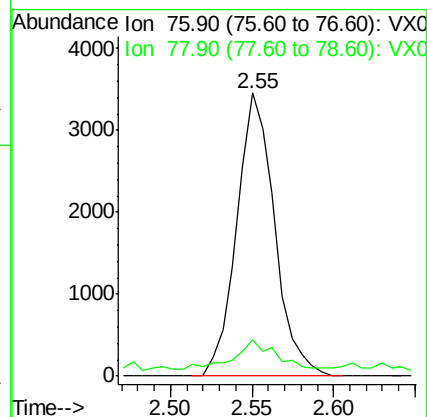
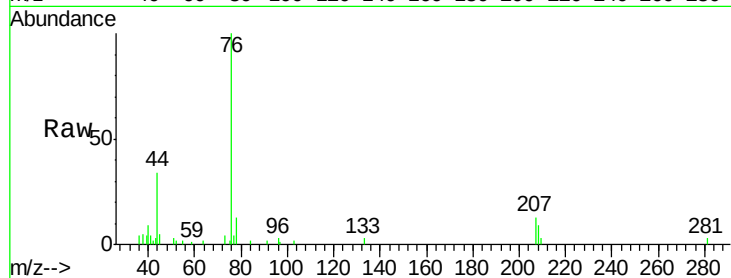
78 9.5 7.5 11.3

Manual Integrations

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#18

Methyl Acetate

Concen: 0.308 ug/l

RT: 2.75 min Scan# 273

Delta R.T. -0.00 min

Lab File: VX016077.D

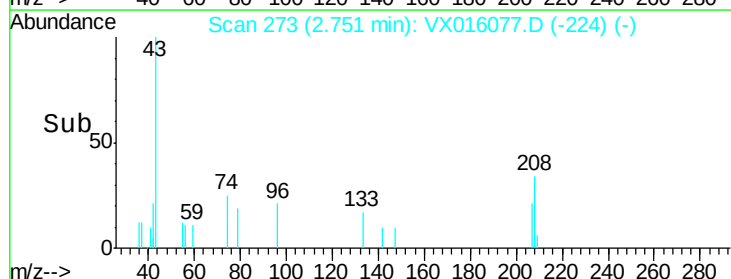
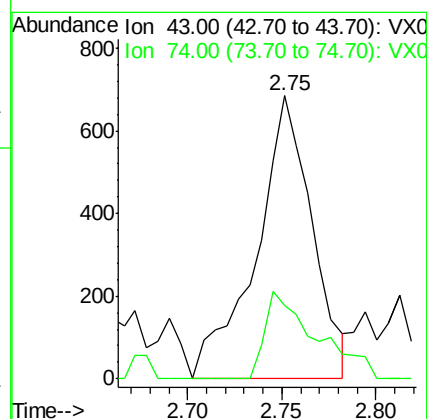
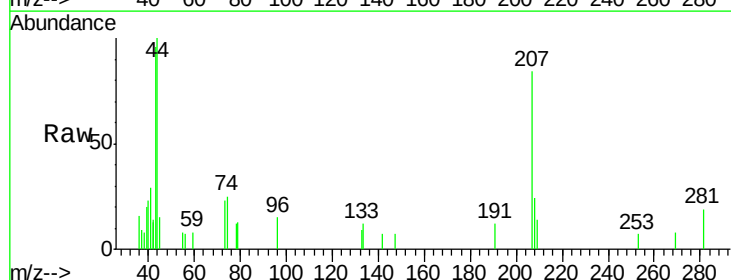
Acq: 06 May 2020 12:42

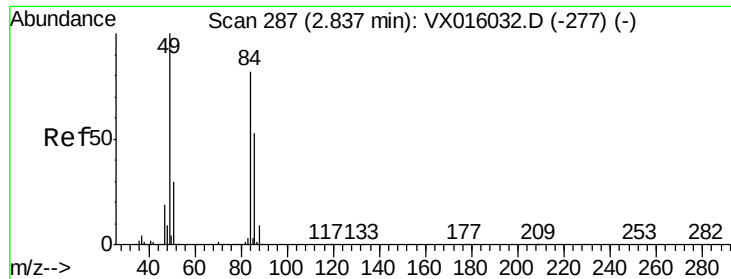
Tgt Ion: 43 Resp: 1412

Ion Ratio Lower Upper

43 100

74 28.2 20.2 30.2





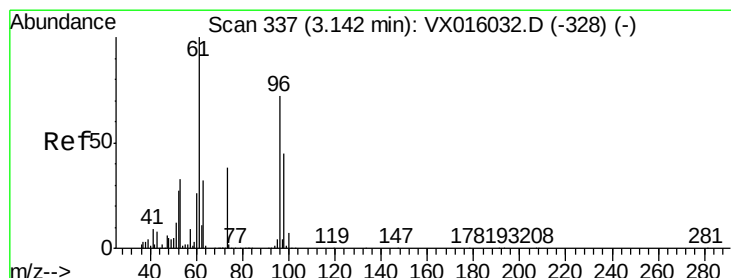
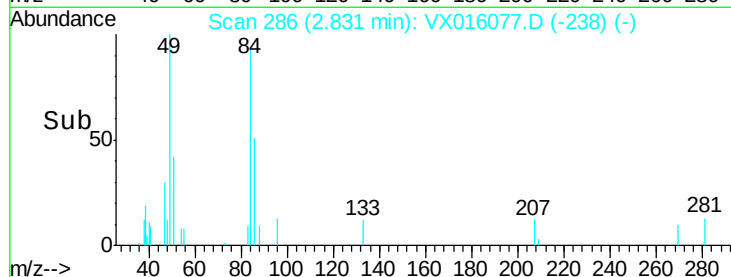
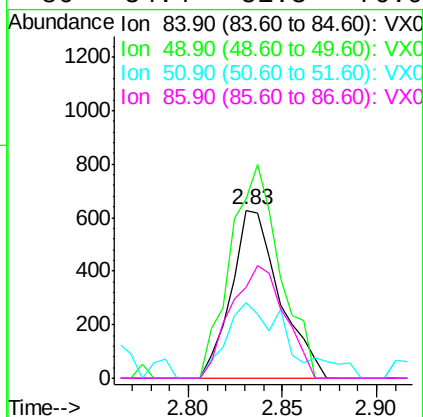
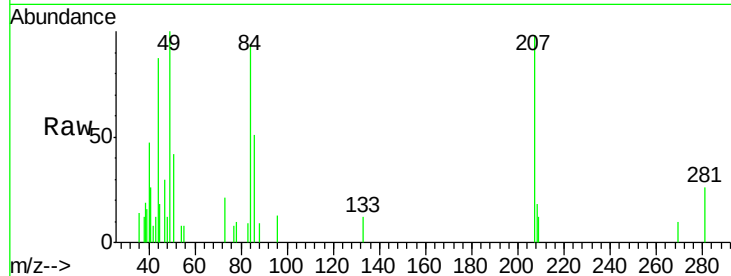
#20
Methylene Chloride
Concen: 0.290 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX016077.D
Acq: 06 May 2020 12:42

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2020DL

Tot Ion	84	Resp:	1113
Ion	Ratio	Lower	Upper
84	100		
49	106.9	97.3	145.9
51	44.7	29.3	43.9#
86	54.4	51.3	76.9

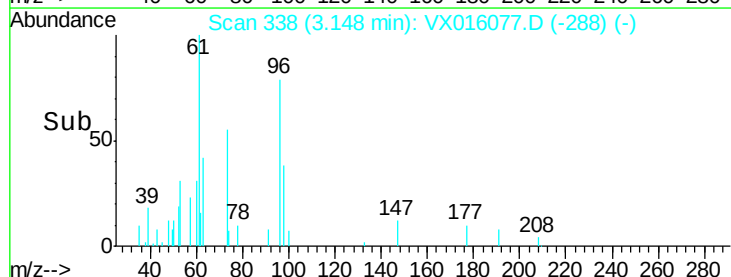
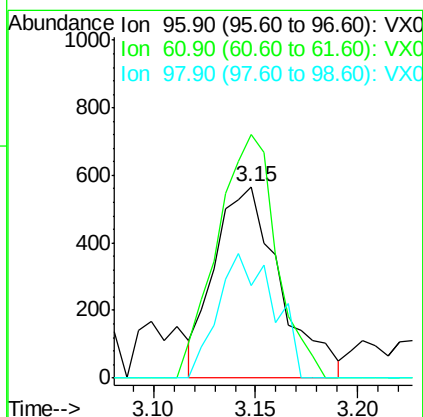
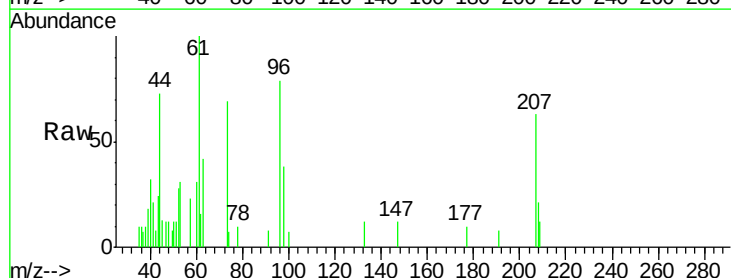
Manual Integrations
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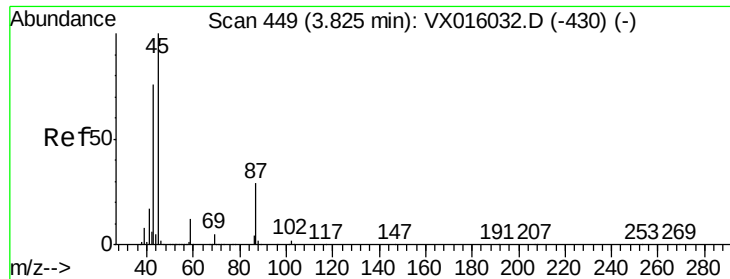
MMDadoda
5/8/2020 11:54:49 AM



#21
trans-1,2-Dichloroethene
Concen: 0.342 ug/l
RT: 3.15 min Scan# 338
Delta R.T. 0.01 min
Lab File: VX016077.D
Acq: 06 May 2020 12:42

Tgt Ion	96	Resp:	1259
Ion	Ratio	Lower	Upper
96	100		
61	139.7	111.2	166.8
98	52.7	50.2	75.4





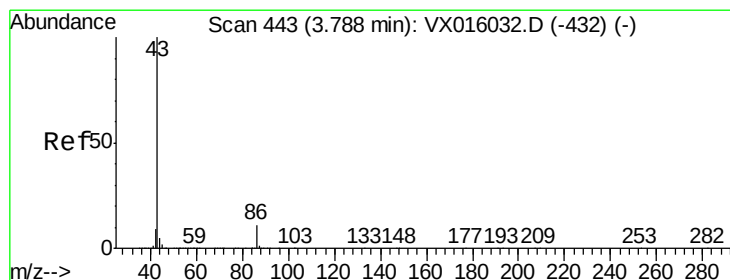
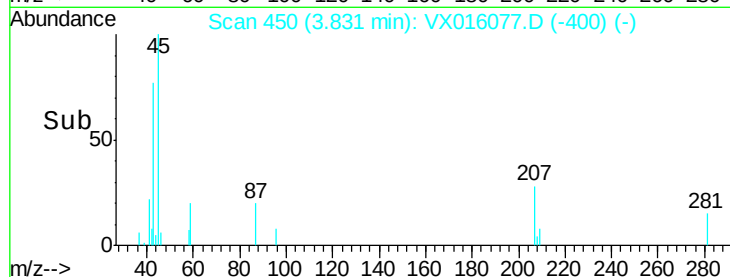
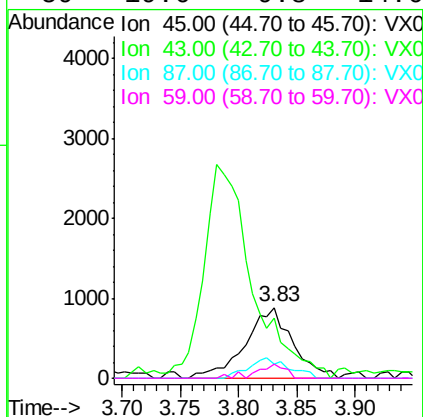
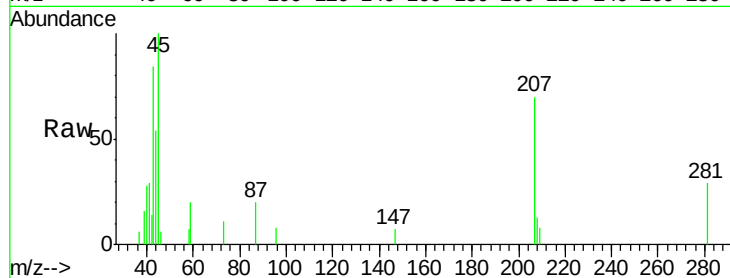
#22
Diisopropyl ether
Concen: 0.220 ug/l
RT: 3.83 min Scan# 450
Delta R.T. 0.01 min
Lab File: VX016077.D
Acq: 06 May 2020 12:42

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2020DL

Tot Ion	45	Resp:	2513
Ion Ratio	Lower	Upper	
45	100		
43	71.6	61.1	91.7
87	19.9	23.0	34.6#
59	19.6	9.8	14.6#

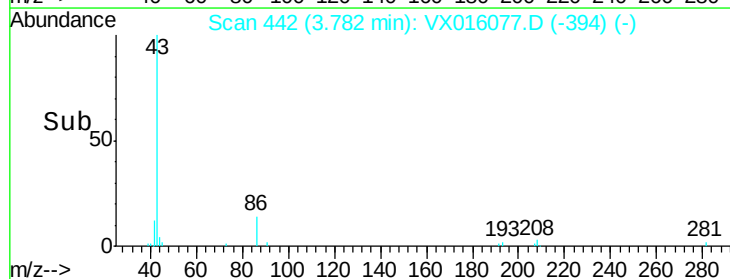
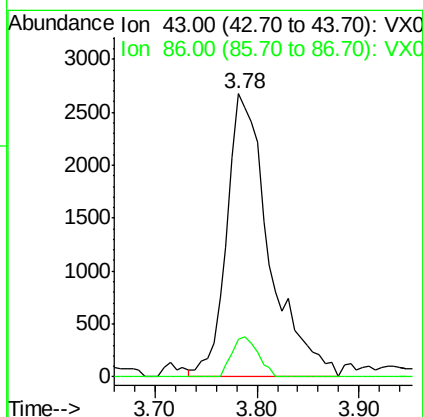
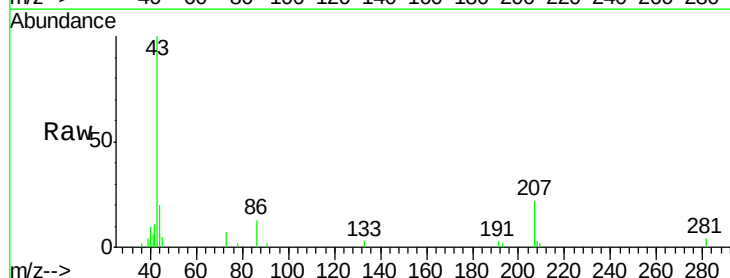
Manual Integrations
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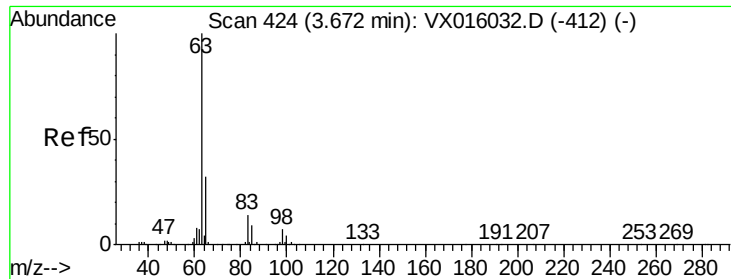
MMDadoda
5/8/2020 11:54:49 AM



#23
Vinyl Acetate
Concen: 0.769 ug/l
RT: 3.78 min Scan# 442
Delta R.T. -0.01 min
Lab File: VX016077.D
Acq: 06 May 2020 12:42

Tgt Ion	43	Resp:	7724
Ion Ratio	Lower	Upper	
43	100		
86	13.4	9.0	13.4





#24

1,1-Dichloroethane

Concen: 0.200 ug/l

RT: 3.68 min Scan# 425

Delta R.T. 0.01 min

Lab File: VX016077.D

Acq: 06 May 2020 12:42

Instrument :

MSVOA_X

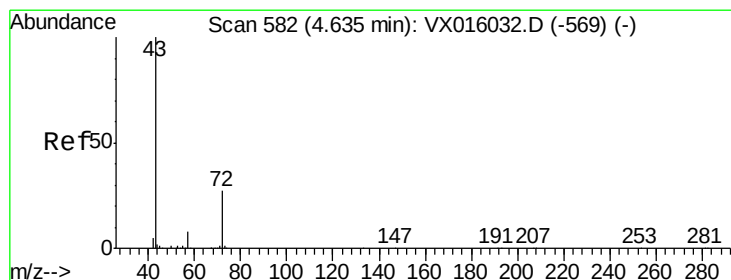
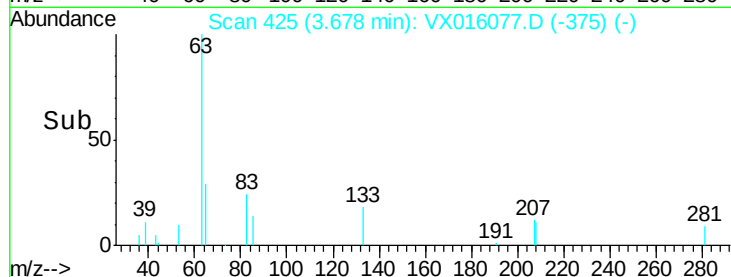
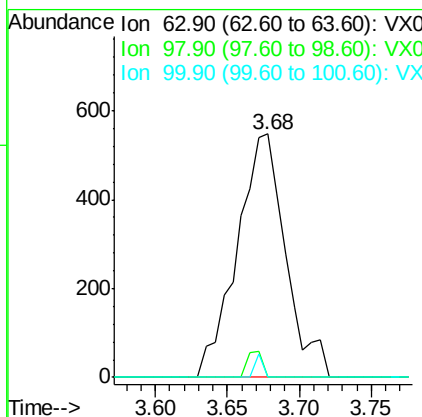
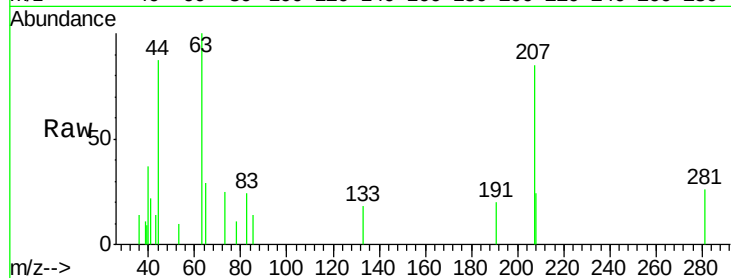
ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion:	63	Resp:	1278
Ion Ratio	Lower	Upper	
63	100		
98	0.0	3.5	10.5#
100	0.0	2.1	6.5#

Manual Integrations
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MMDadoda
5/8/2020 11:54:49 AM



#25

2-Butanone

Concen: 1.235 ug/l

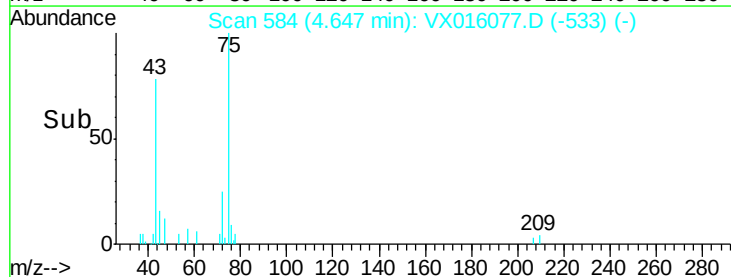
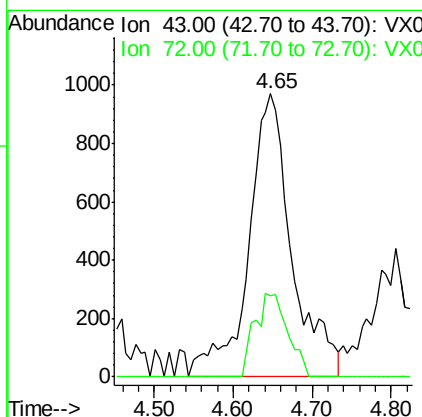
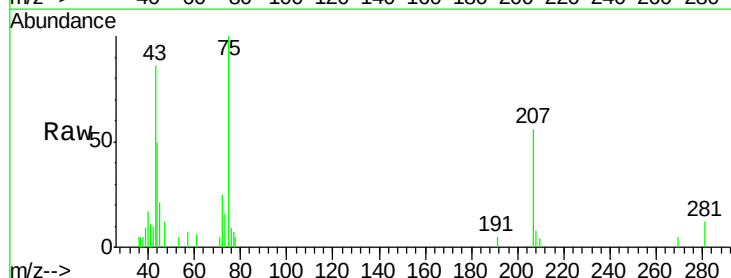
RT: 4.65 min Scan# 584

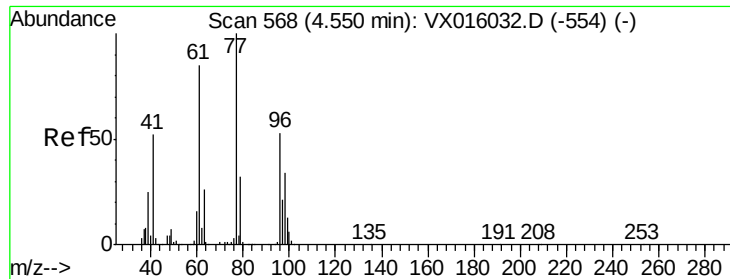
Delta R.T. 0.01 min

Lab File: VX016077.D

Acq: 06 May 2020 12:42

Tgt Ion:	43	Resp:	3709
Ion Ratio	Lower	Upper	
43	100		
72	28.8	21.8	32.8





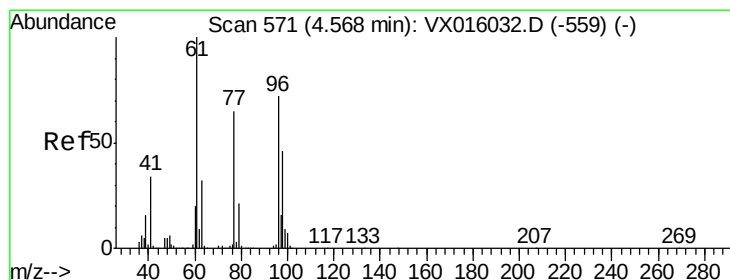
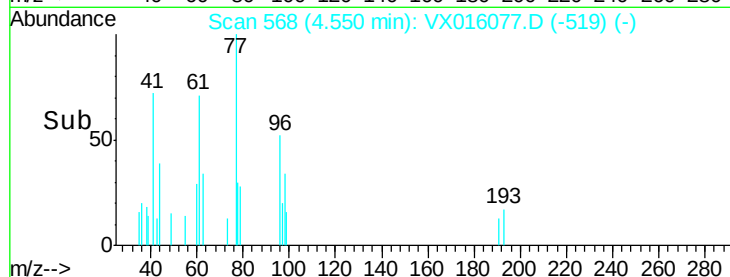
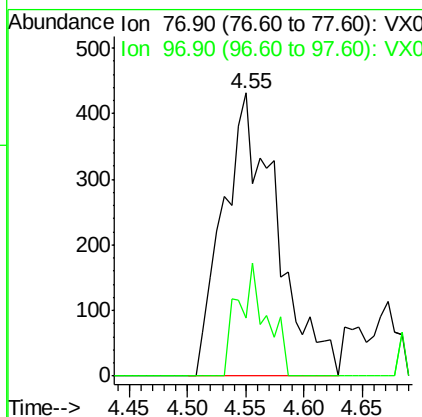
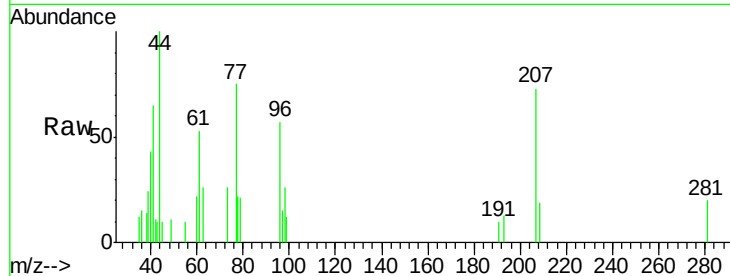
#26
 2,2-Dichloropropane
 Concen: 0.237 ug/l
 RT: 4.55 min Scan# 568
 Delta R.T. -0.00 min
 Lab File: VX016077.D
 Acq: 06 May 2020 12:42

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2020DL

Tot Ion	Ratio	Lower	Upper
77	100		
97	21.6	11.2	33.6

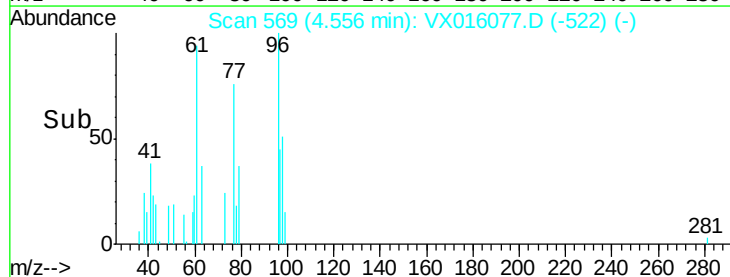
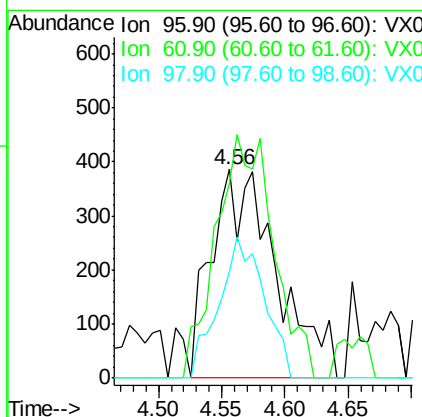
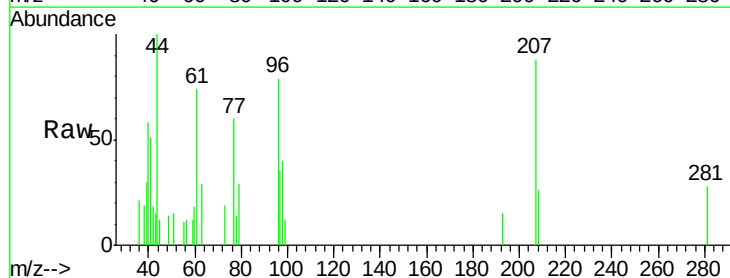
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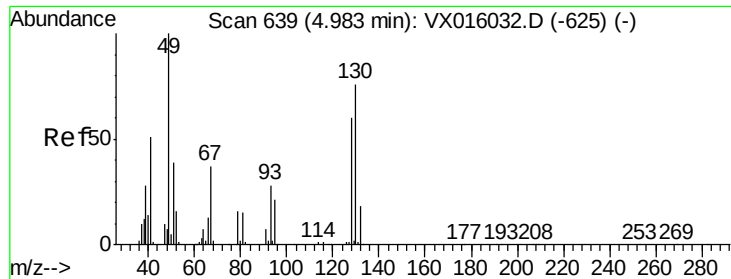
MMDadoda
 5/8/2020 11:54:49 AM



#27
 cis-1,2-Dichloroethene
 Concen: 0.346 ug/l m
 RT: 4.56 min Scan# 569
 Delta R.T. -0.01 min
 Lab File: VX016077.D
 Acq: 06 May 2020 12:42

Tgt Ion	Ratio	Lower	Upper
96	100		
61	102.4	0.0	296.2
98	47.1	0.0	129.4





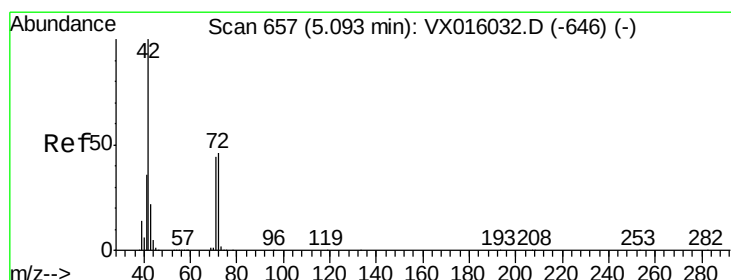
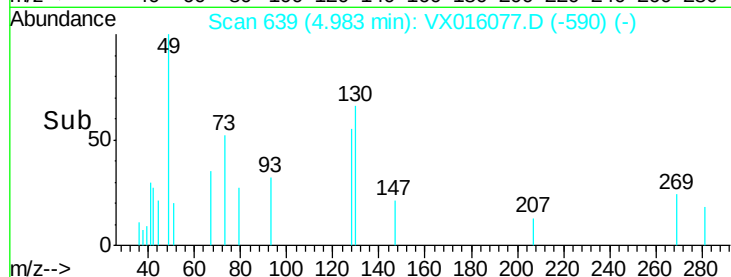
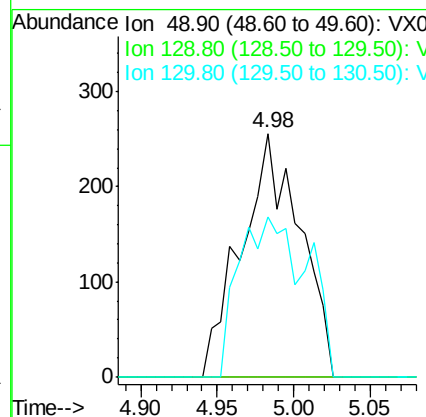
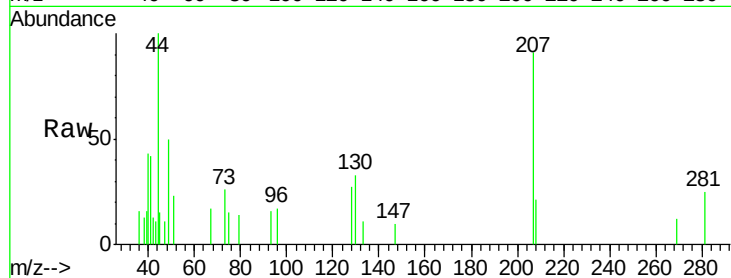
#28
Bromochloromethane
Concen: 0.234 ug/l
RT: 4.98 min Scan# 639
Delta R.T. -0.00 min
Lab File: VX016077.D
Acq: 06 May 2020 12:42

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2020DL

Tot Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.0
130	76.7	62.4	93.6

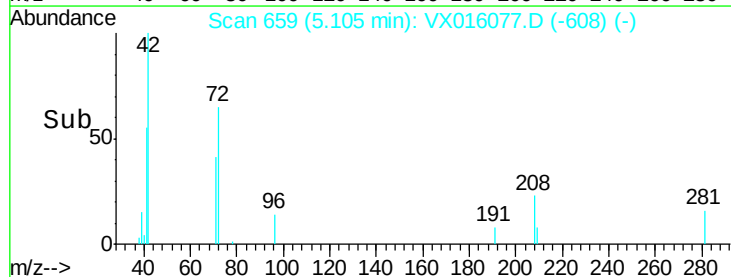
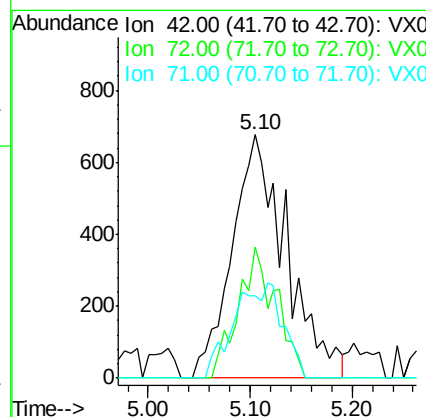
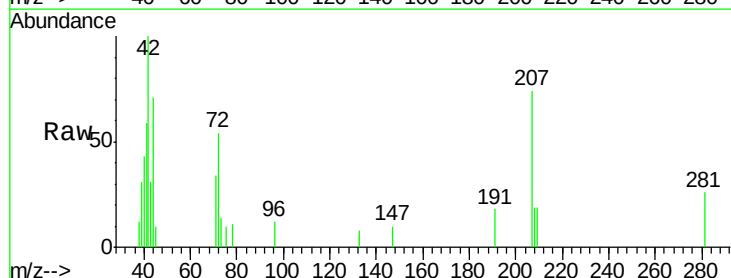
Manual Integrations
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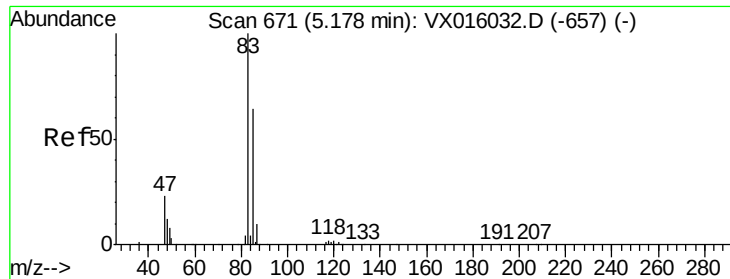
MMDadoda
5/8/2020 11:54:49 AM



#29
Tetrahydrofuran
Concen: 1.256 ug/l
RT: 5.10 min Scan# 659
Delta R.T. 0.01 min
Lab File: VX016077.D
Acq: 06 May 2020 12:42

Tgt Ion	Ratio	Lower	Upper
42	100		
72	37.6	37.1	55.7
71	21.0	34.5	51.7#





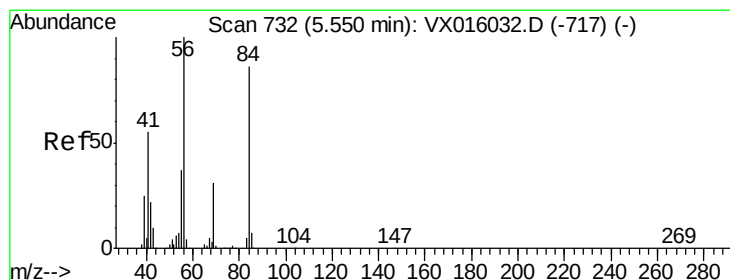
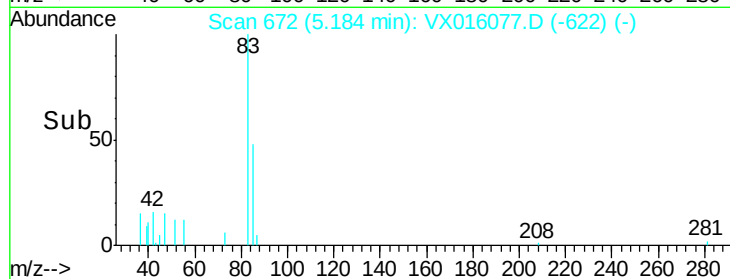
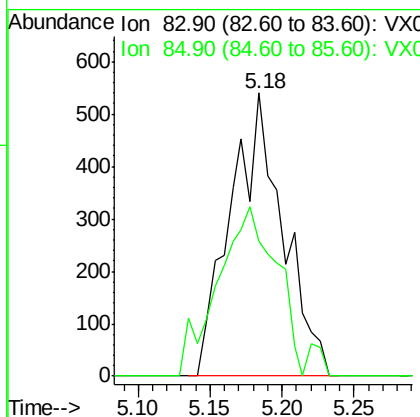
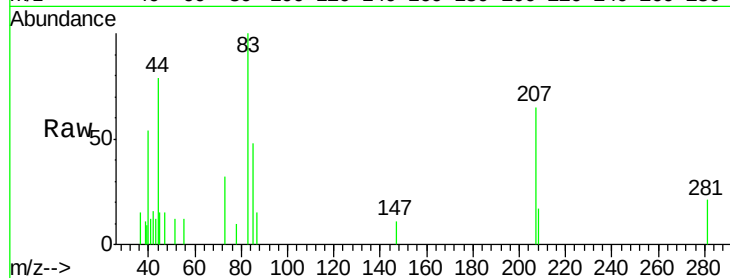
#30
Chloroform
Concen: 0.215 ug/l
RT: 5.18 min Scan# 672
Delta R.T. 0.01 min
Lab File: VX016077.D
Acq: 06 May 2020 12:42

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2020DL

Tot Ion: 83 Resp: 1366
Ion Ratio Lower Upper
83 100
85 47.6 51.6 77.4#

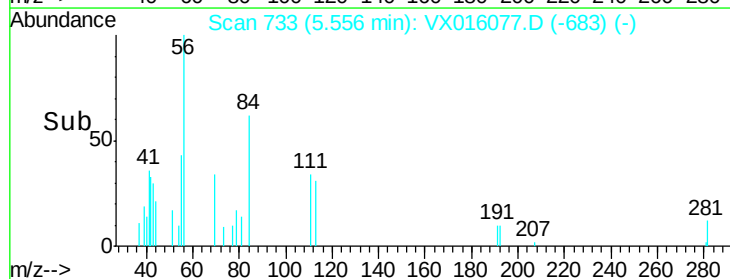
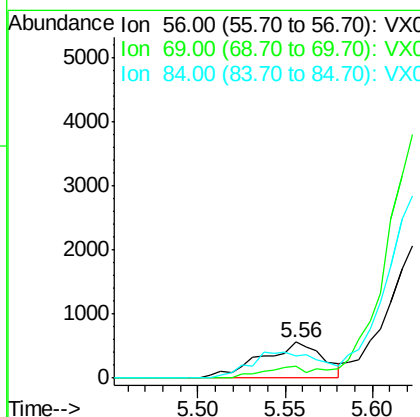
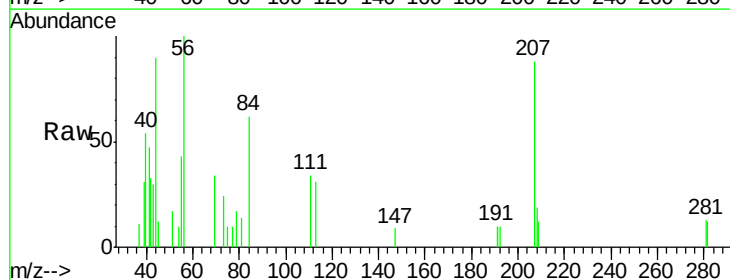
Manual Integrations
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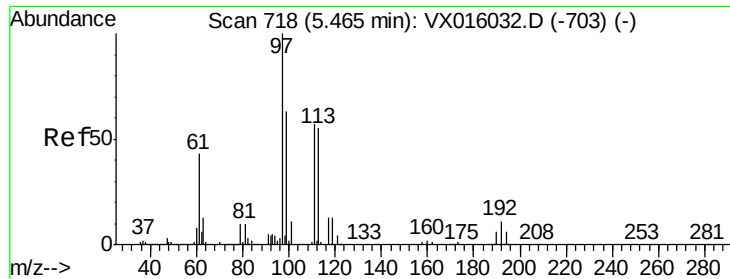
MMDadoda
5/8/2020 11:54:49 AM



#31
Cyclohexane
Concen: 0.240 ug/l
RT: 5.56 min Scan# 733
Delta R.T. 0.01 min
Lab File: VX016077.D
Acq: 06 May 2020 12:42

Tgt Ion: 56 Resp: 1390
Ion Ratio Lower Upper
56 100
69 33.8 25.0 37.6
84 61.9 69.0 103.6#





#32

1,1,1-Trichloroethane

Concen: 0.229 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX016077.D

Acq: 06 May 2020 12:42

Instrument :

MSVOA_X

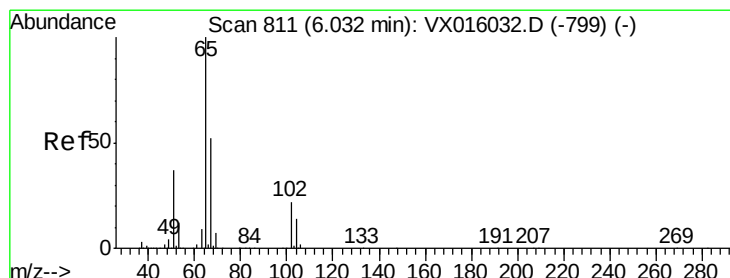
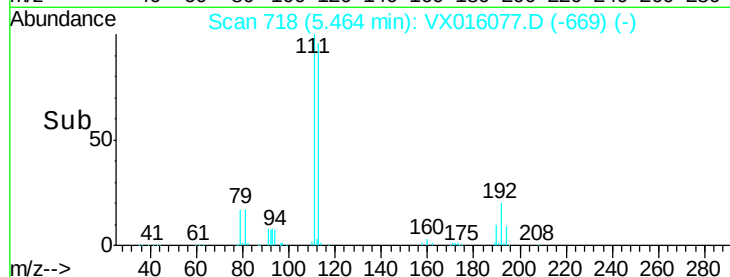
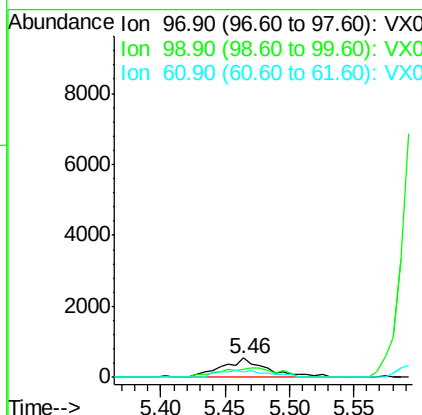
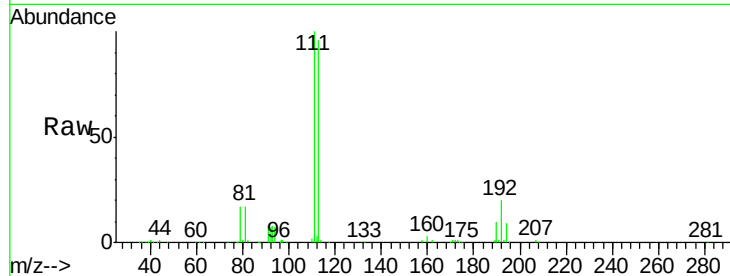
ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion:	97	Resp:	1326
Ion Ratio	Lower	Upper	
97	100		
99	0.0	51.0	76.4#
61	41.6	34.5	51.7

Manual Integrations
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MMDadoda
5/8/2020 11:54:49 AM



#33

1,2-Dichloroethane-d4

Concen: 46.589 ug/l

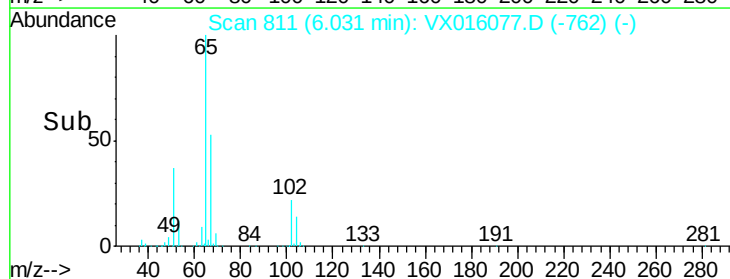
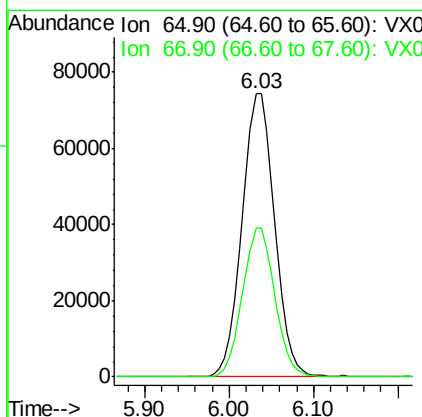
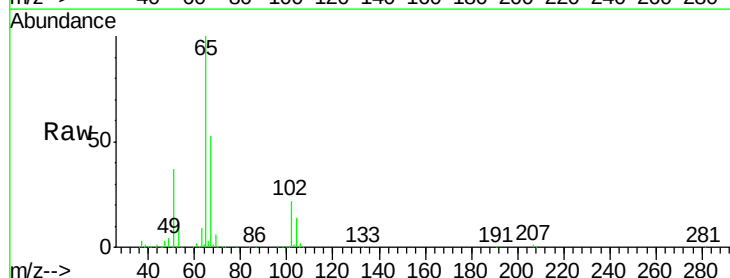
RT: 6.03 min Scan# 811

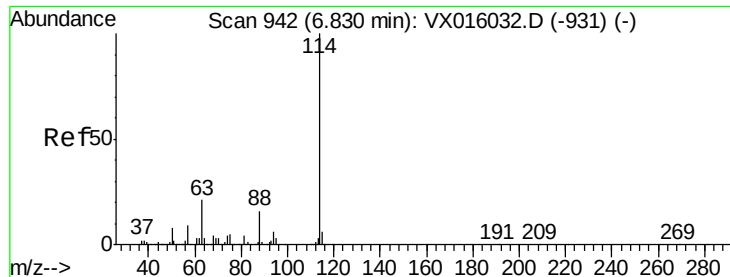
Delta R.T. -0.00 min

Lab File: VX016077.D

Acq: 06 May 2020 12:42

Tgt Ion:	65	Resp:	194576
Ion Ratio	Lower	Upper	
65	100		
67	52.1	0.0	104.8





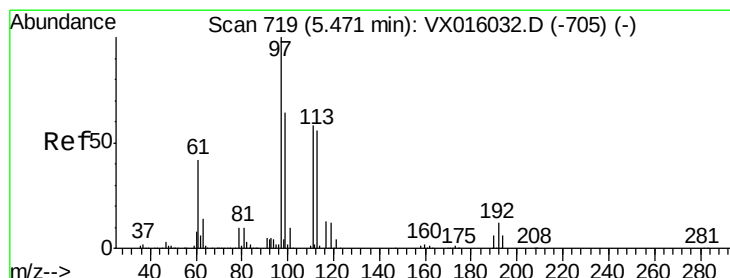
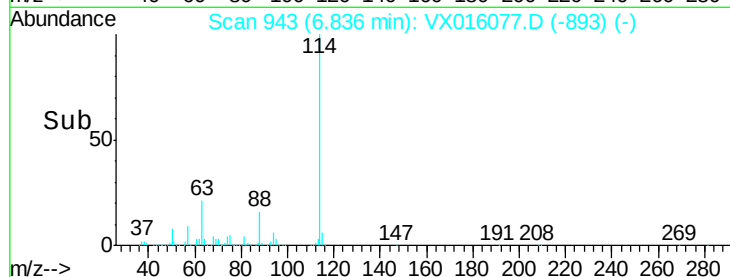
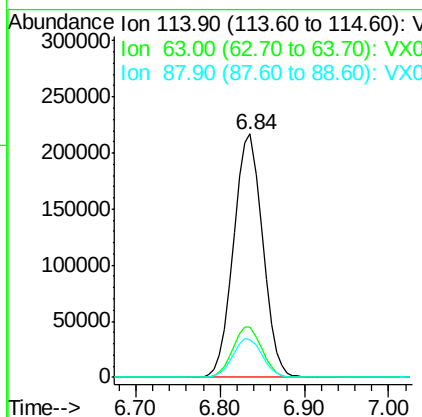
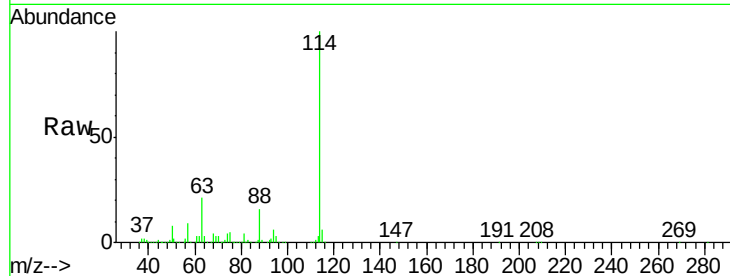
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 943
 Delta R.T. 0.01 min
 Lab File: VX016077.D
 Acq: 06 May 2020 12:42

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2020DL

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	20.5	0.0	42.8
88	15.6	0.0	31.4

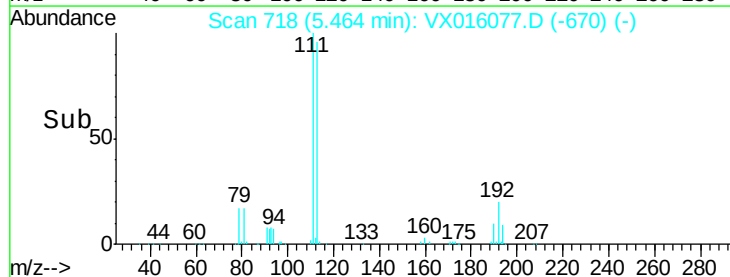
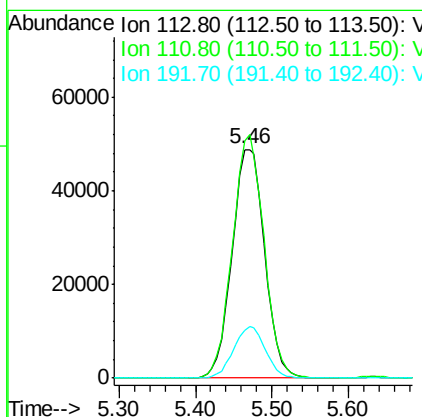
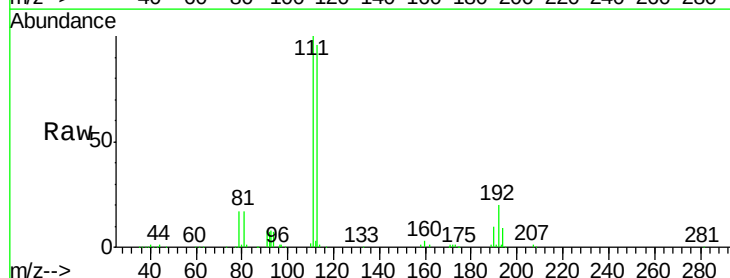
Manual Integrations
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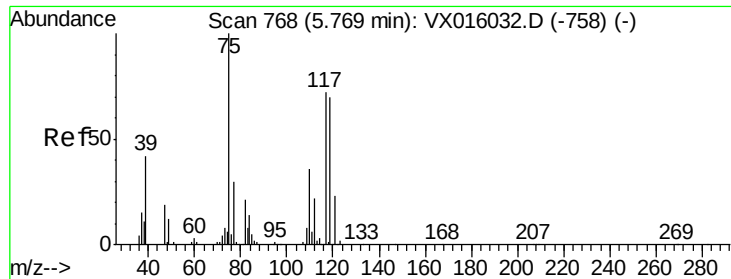
MMDadoda
 5/8/2020 11:54:49 AM



#35
 Dibromofluoromethane
 Concen: 44.868 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.01 min
 Lab File: VX016077.D
 Acq: 06 May 2020 12:42

Tgt Ion	Ratio	Resp Lower	Upper
113	100		
111	102.8	81.6	122.4
192	21.9	17.0	25.4





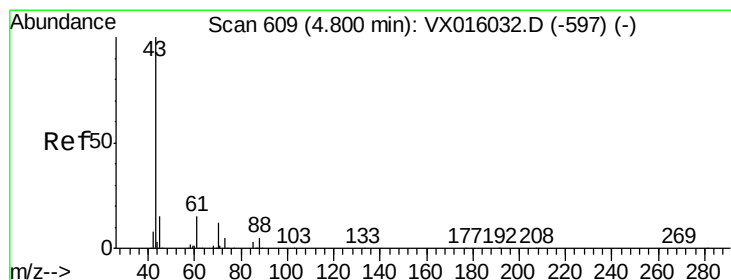
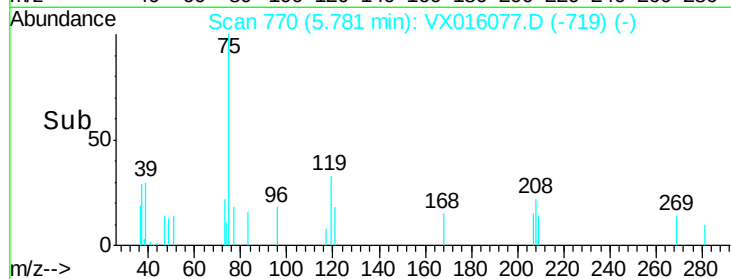
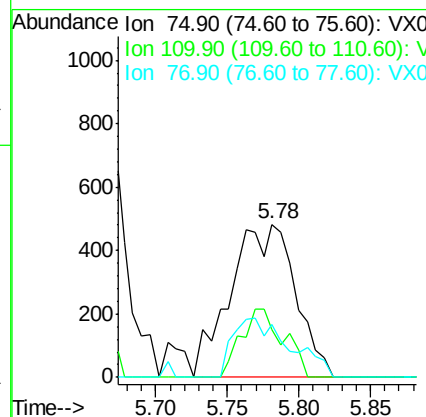
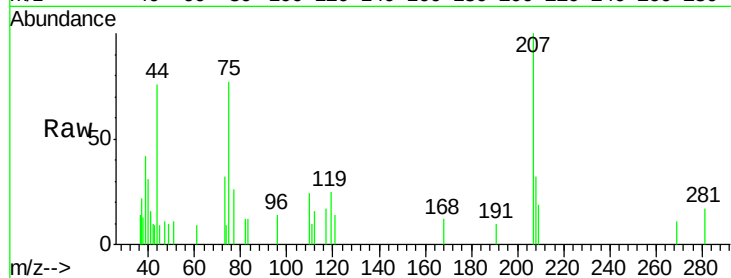
#36
 1,1-Dichloropropene
 Concen: 0.306 ug/l m
 RT: 5.78 min Scan# 770
 Delta R.T. 0.01 min
 Lab File: VX016077.D
 Acq: 06 May 2020 12:42

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2020DL

Tot Ion	Ratio	Lower	Upper
75	100		
110	29.0	18.1	54.1
77	33.9	25.0	37.6

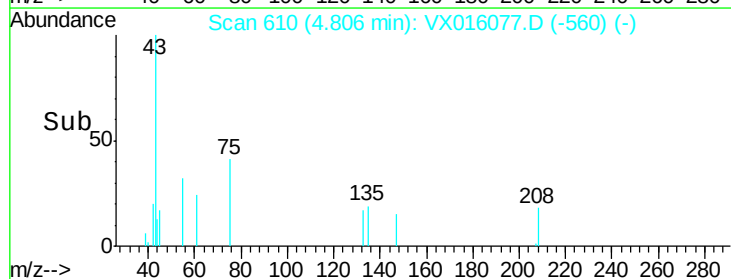
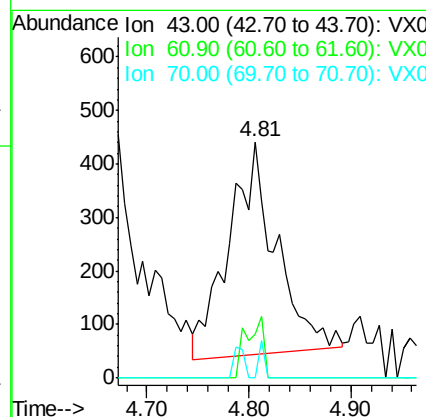
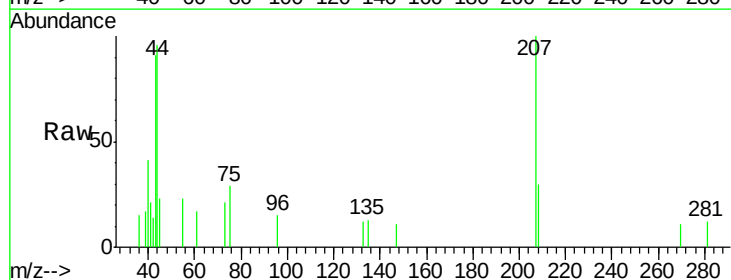
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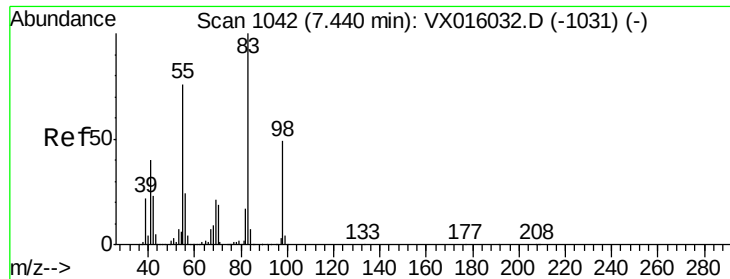
MMDadoda
 5/8/2020 11:54:49 AM



#37
 Ethyl Acetate
 Concen: 0.221 ug/l
 RT: 4.81 min Scan# 610
 Delta R.T. 0.01 min
 Lab File: VX016077.D
 Acq: 06 May 2020 12:42

Tgt Ion	Ratio	Lower	Upper
43	100		
61	10.4	11.7	17.5#
70	2.0	9.3	13.9#





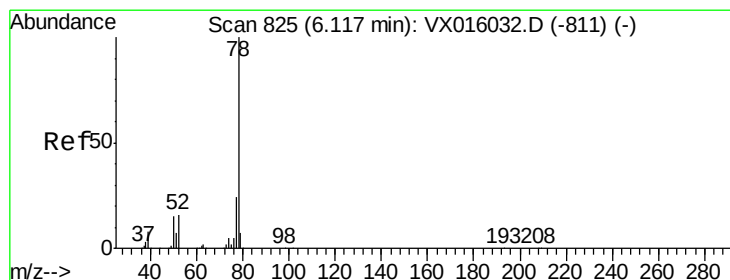
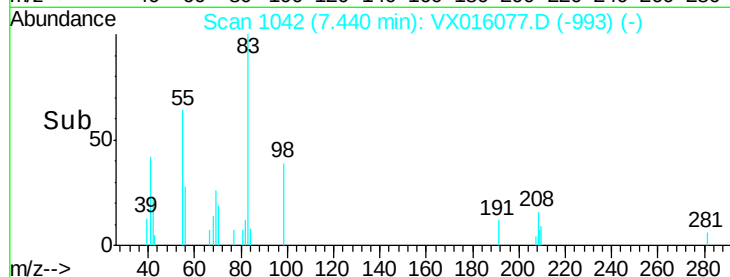
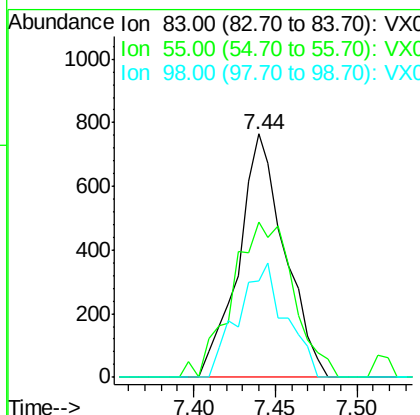
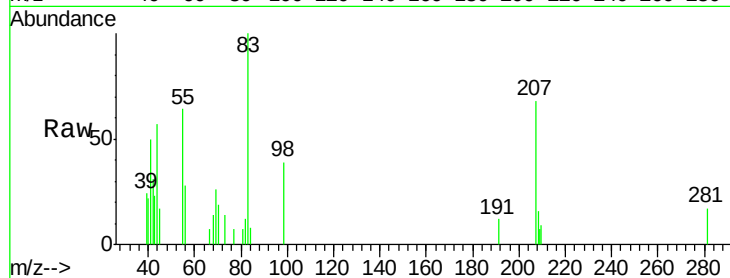
#39
Methylvlcyclohexane
Concen: 0.251 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VX016077.D
Acq: 06 May 2020 12:42

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2020DL

Tot Ion	Ratio	Lower	Upper
83	100		
55	63.9	61.1	91.7
98	39.5	39.0	58.4

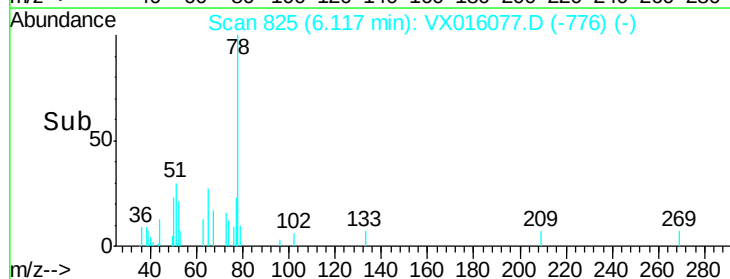
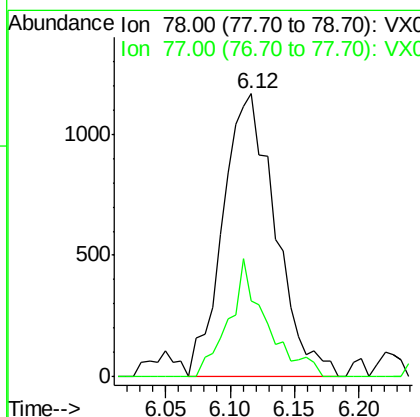
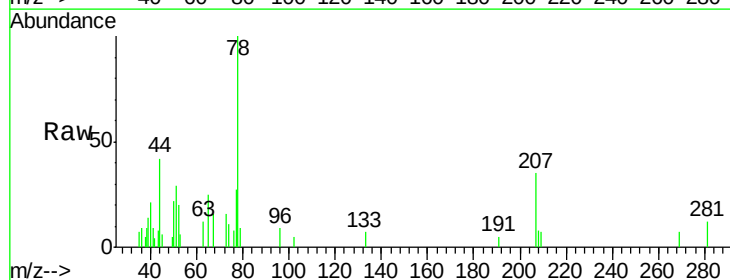
Manual Integrations
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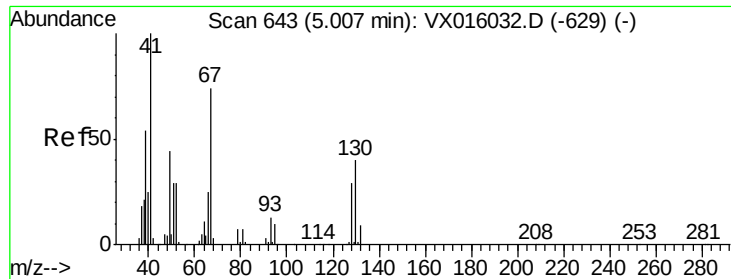
MMDadoda
5/8/2020 11:54:49 AM



#40
Benzene
Concen: 0.227 ug/l
RT: 6.12 min Scan# 825
Delta R.T. -0.00 min
Lab File: VX016077.D
Acq: 06 May 2020 12:42

Tgt Ion	Ratio	Lower	Upper
78	100		
77	26.8	19.0	28.4





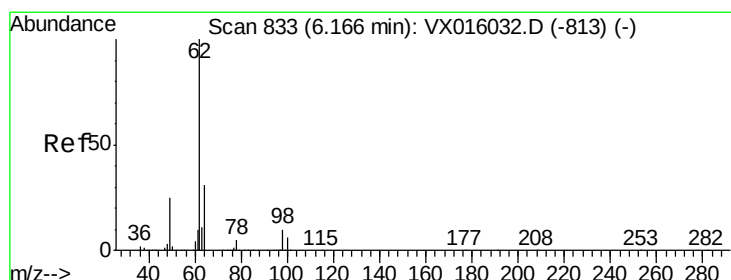
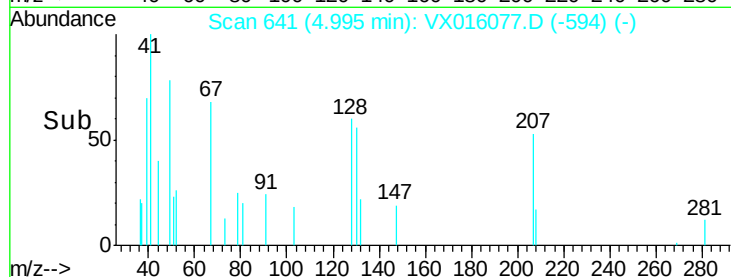
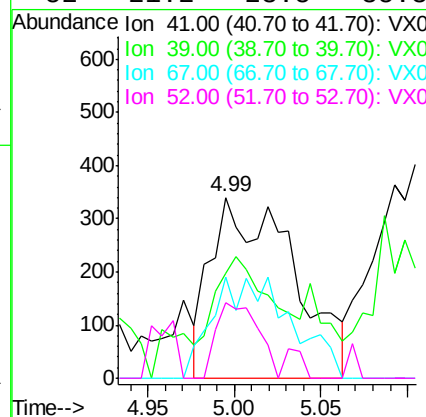
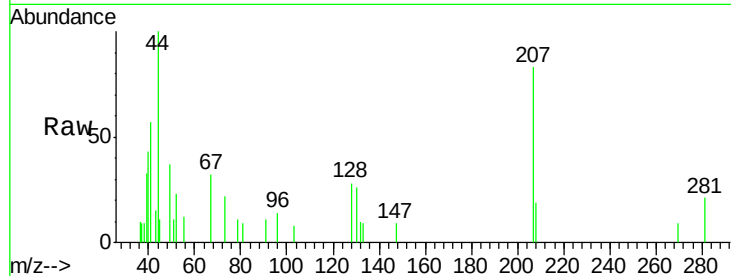
#41
Methacrylonitrile
Concen: 0.360 ug/l m
RT: 4.99 min Scan# 641
Delta R.T. -0.01 min
Lab File: VX016077.D
Acq: 06 May 2020 12:42

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2020DL

Tot Ion	Ratio	Lower	Upper
41	100		
39	30.7	43.2	64.8#
67	19.1	59.3	88.9#
52	21.2	23.5	35.3#

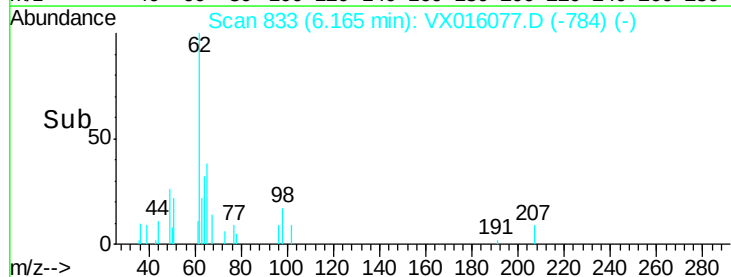
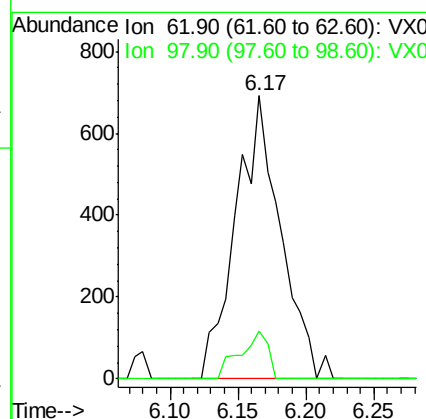
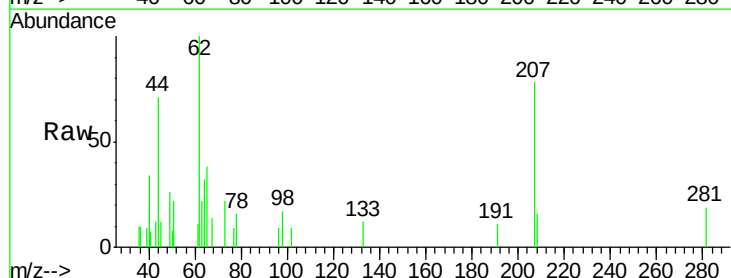
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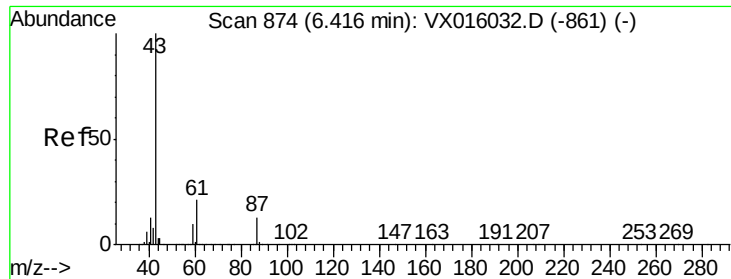
MMDadoda
5/8/2020 11:54:49 AM



#42
1,2-Dichloroethane
Concen: 0.302 ug/l
RT: 6.17 min Scan# 833
Delta R.T. -0.00 min
Lab File: VX016077.D
Acq: 06 May 2020 12:42

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	19.4





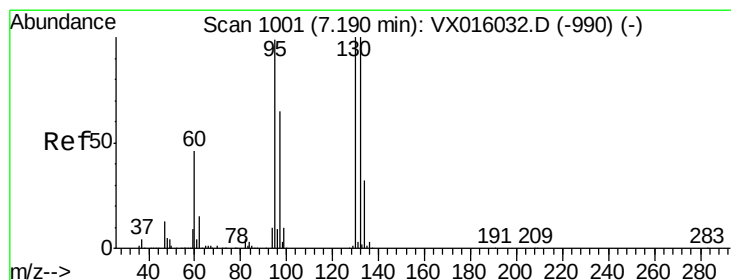
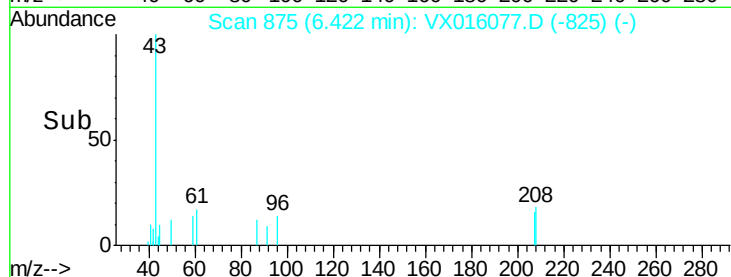
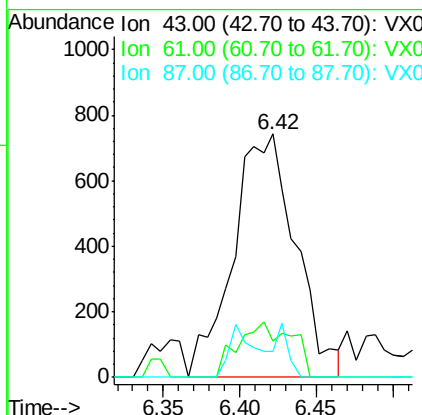
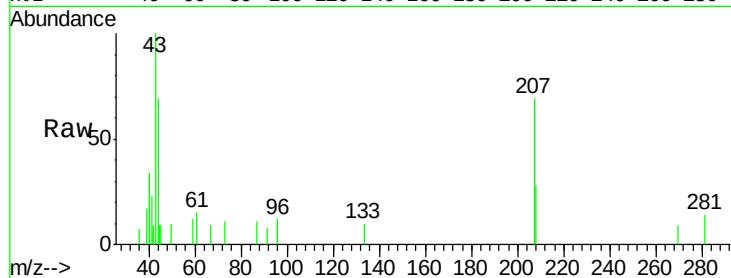
#43
Isopropyl Acetate
Concen: 0.229 ug/l
RT: 6.42 min Scan# 875
Delta R.T. 0.01 min
Lab File: VX016077.D
Acq: 06 May 2020 12:42

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2020DL

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.4	17.0	25.4
87	5.2	11.0	16.6

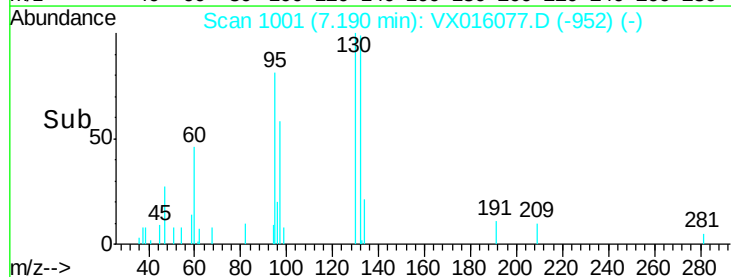
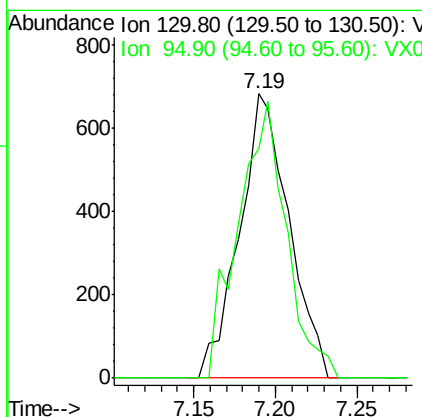
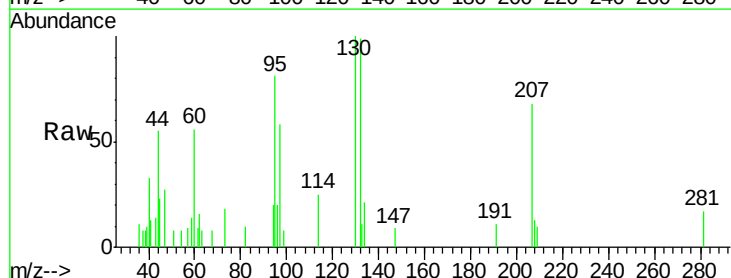
Manual Integrations
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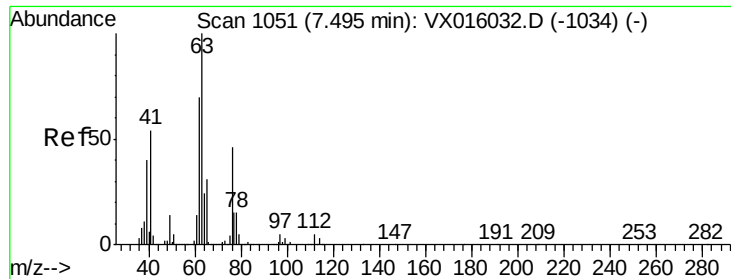
MMDadoda
5/8/2020 11:54:49 AM



#44
Trichloroethene
Concen: 0.276 ug/l
RT: 7.19 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VX016077.D
Acq: 06 May 2020 12:42

Tgt Ion	Ratio	Lower	Upper
130	100		
95	80.6	0.0	197.4





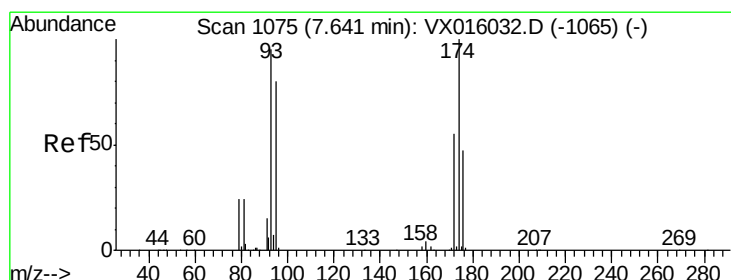
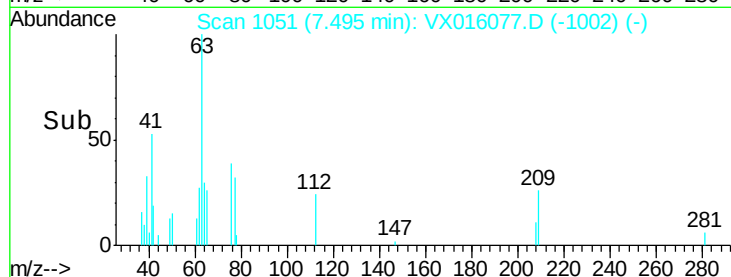
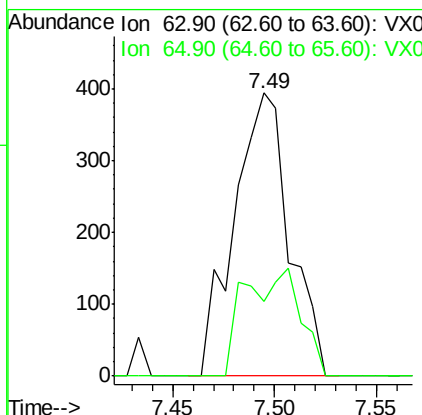
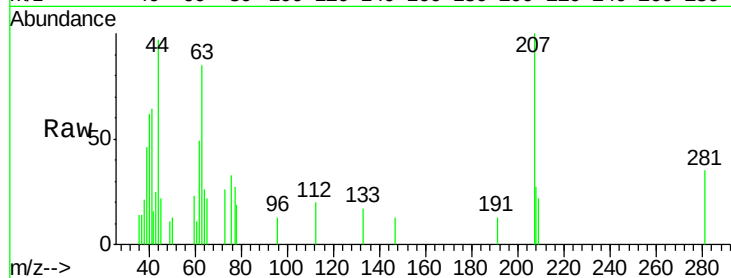
#45
 1,2-Dichloropropane
 Concen: 0.202 ug/l
 RT: 7.49 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VX016077.D
 Acq: 06 May 2020 12:42

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2020DL

Tot Ion	Ratio	Lower	Upper
63	100		
65	26.4	24.4	36.6

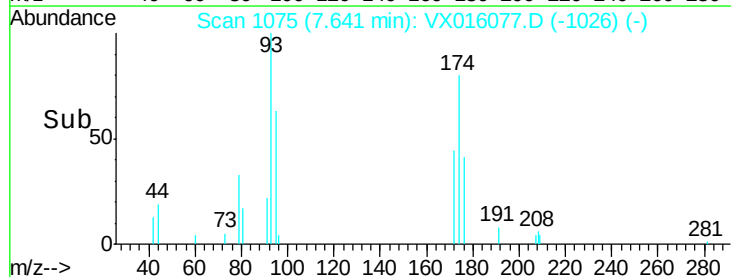
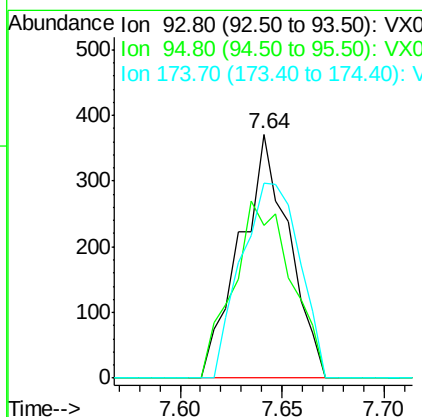
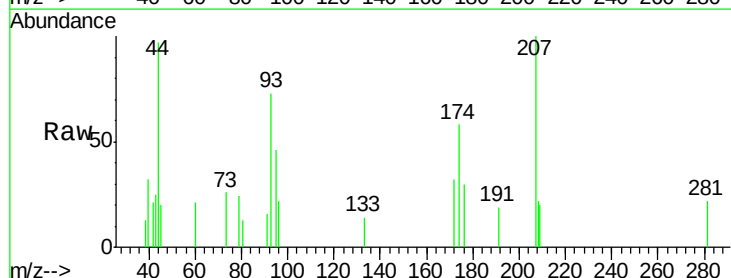
Manual Integrations
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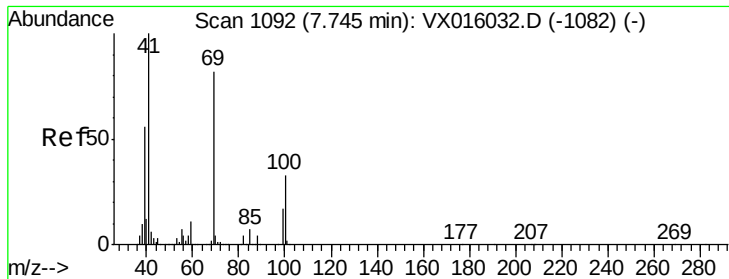
MMDadoda
 5/8/2020 11:54:49 AM



#46
 Dibromomethane
 Concen: 0.246 ug/l
 RT: 7.64 min Scan# 1075
 Delta R.T. -0.00 min
 Lab File: VX016077.D
 Acq: 06 May 2020 12:42

Tgt Ion	Ratio	Lower	Upper
93	100		
95	85.8	66.6	100.0
174	95.6	84.2	126.4





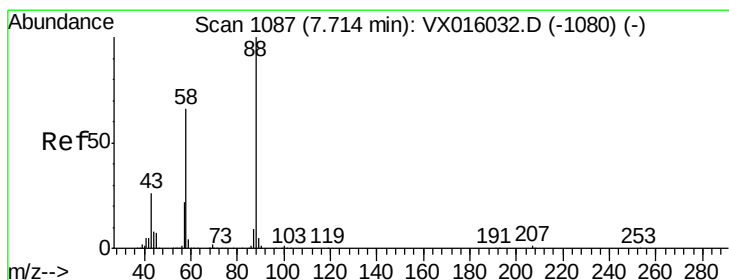
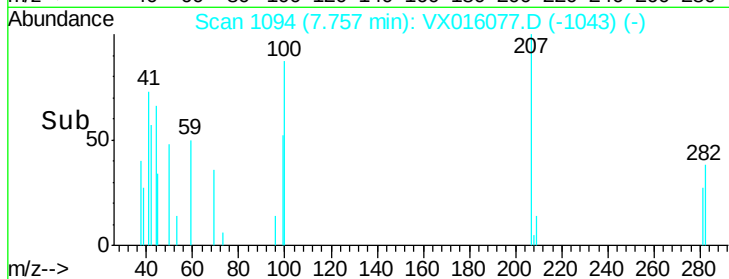
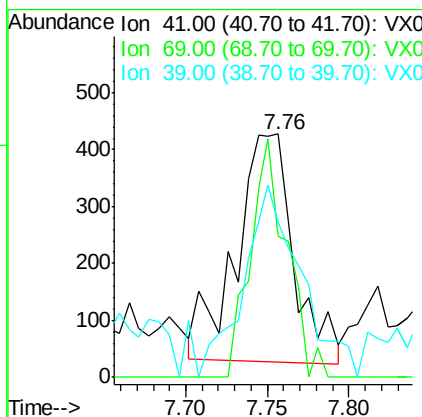
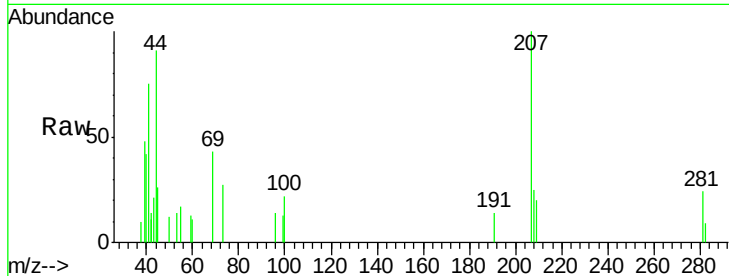
#48
Methvl methacrylate
Concen: 0.229 ug/l
RT: 7.76 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VX016077.D
Acq: 06 May 2020 12:42

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2020DL

Tot Ion	Ratio	Resp	Lower	Upper
41	100	1001		
69	64.3		67.8	101.6#
39	82.3		44.6	67.0#

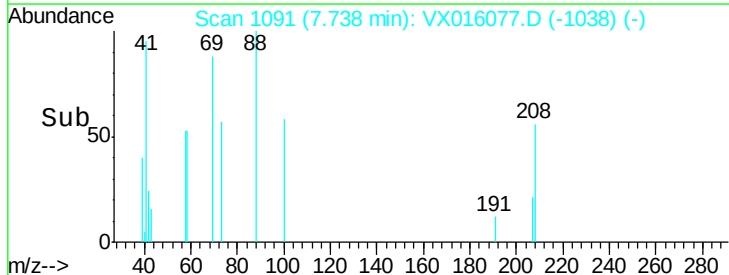
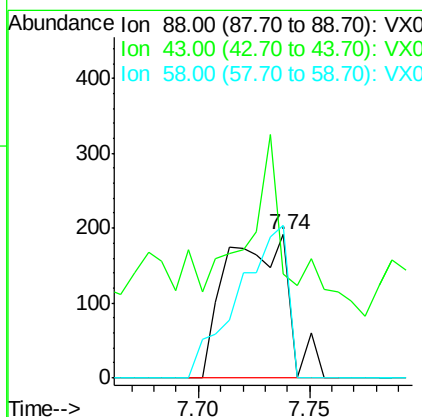
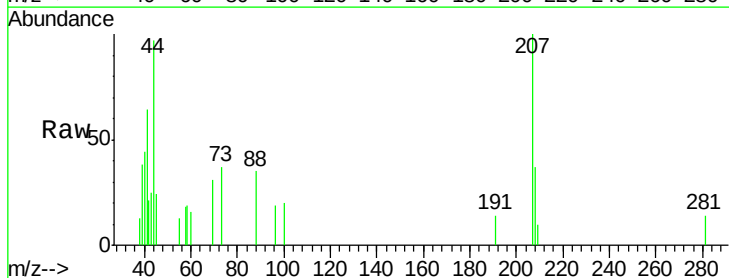
Manual Integrations
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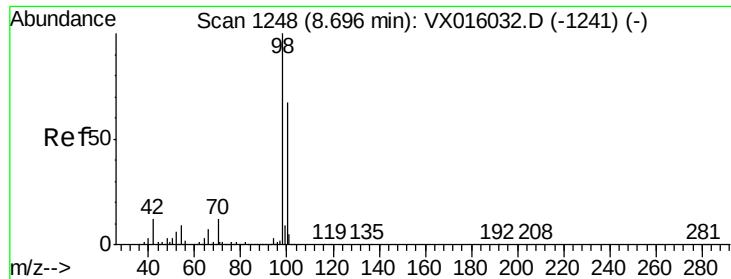
MMDadoda
5/8/2020 11:54:49 AM



#49
1,4-Dioxane
Concen: 3.528 ug/l
RT: 7.74 min Scan# 1091
Delta R.T. 0.02 min
Lab File: VX016077.D
Acq: 06 May 2020 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	370		
43	47.6		25.3	37.9#
58	85.1		55.9	83.9#





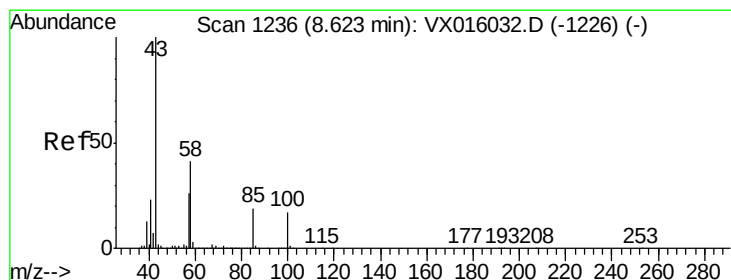
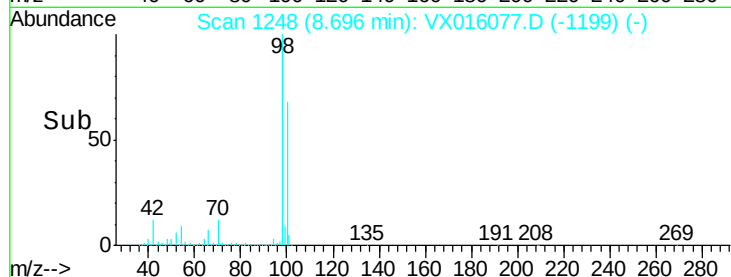
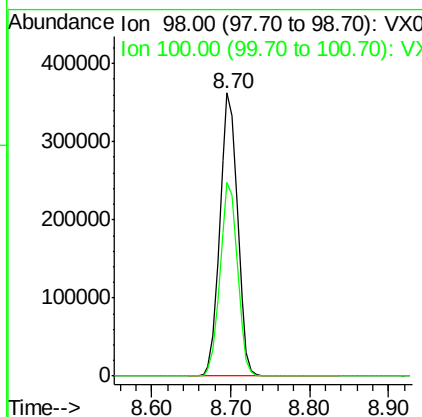
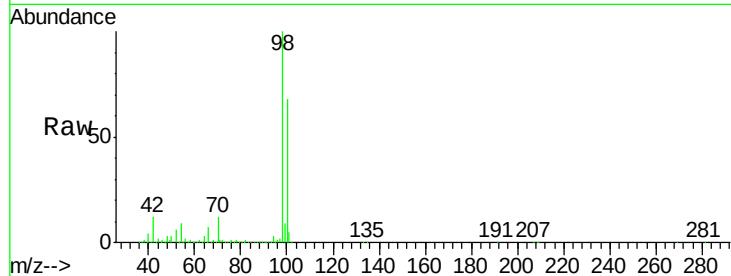
#50
Toluene-d8
Concen: 45.916 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016077.D
Acq: 06 May 2020 12:42

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2020DL

Tot Ion	98	Resp	568214
Ion Ratio	100	Lower	Upper
98	100	53.7	80.5

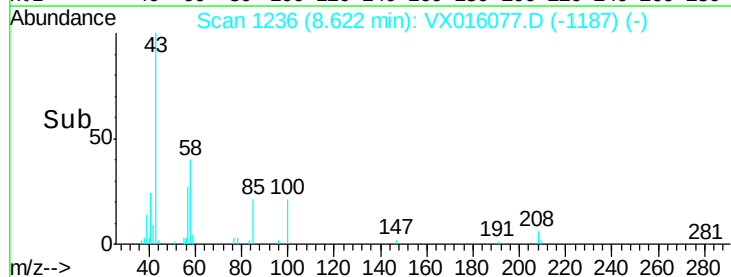
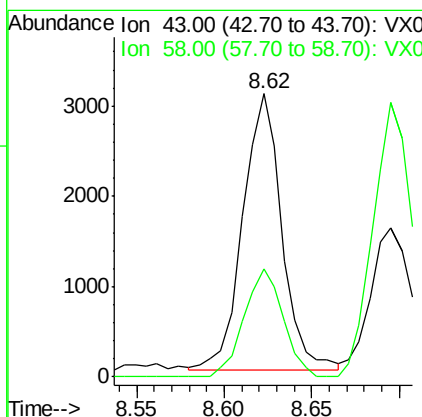
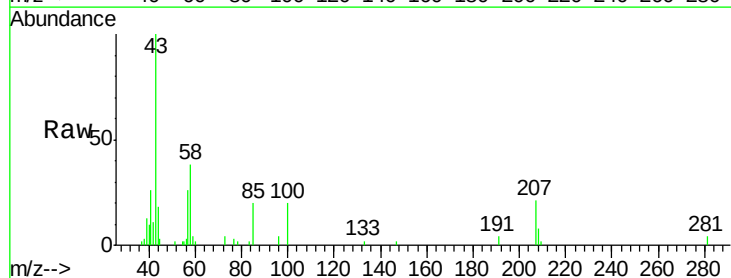
Manual Integrations
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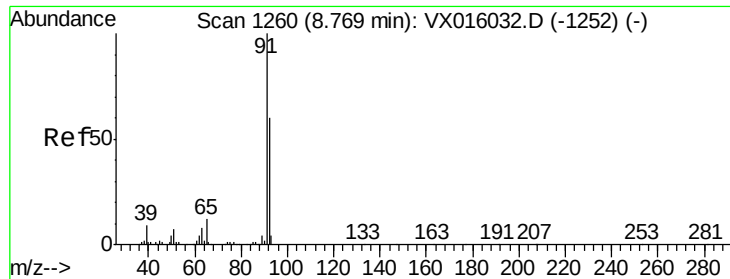
MMDadoda
5/8/2020 11:54:49 AM



#51
4-Methyl-2-Pentanone
Concen: 0.842 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VX016077.D
Acq: 06 May 2020 12:42

Tgt Ion	43	Resp	4755	
Ion Ratio	43	100	Lower	Upper
58	38.8	33.0	49.4	





#52

Toluene

Concen: 0.200 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VX016077.D

Acq: 06 May 2020 12:42

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion: 92 Resp: 1823

Ion Ratio Lower Upper

92 100

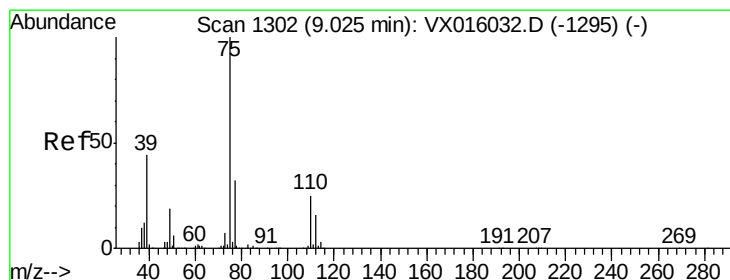
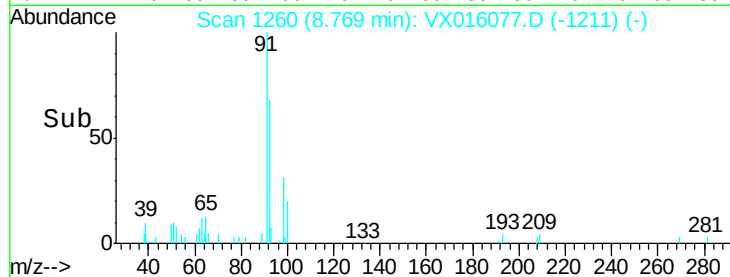
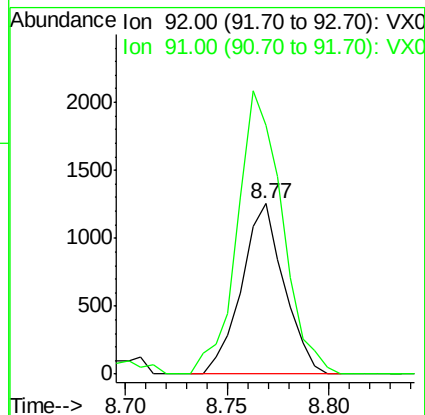
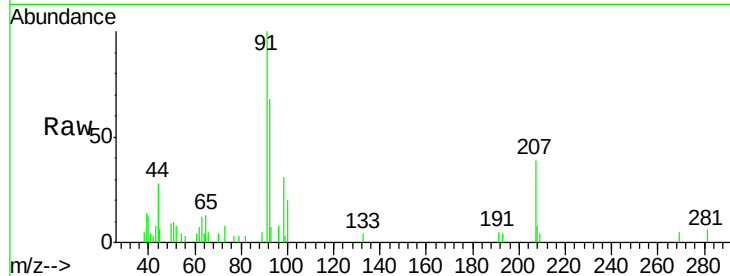
91 174.6 134.5 201.7

Manual Integrations

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#53

t-1,3-Dichloropropene

Concen: 0.234 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VX016077.D

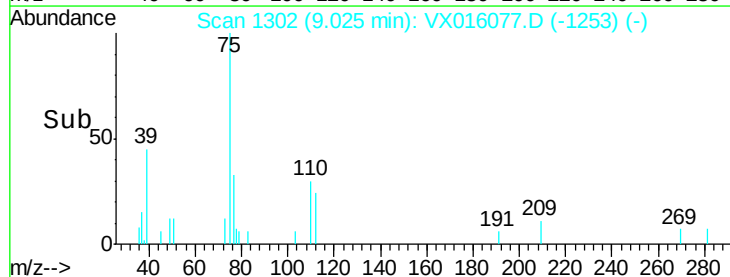
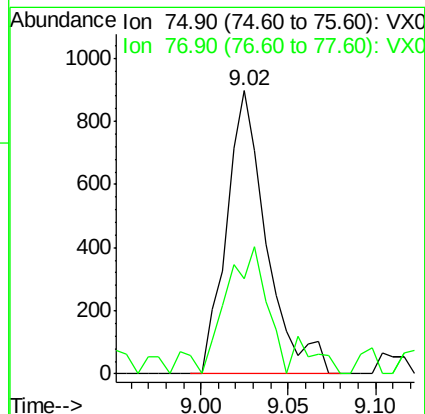
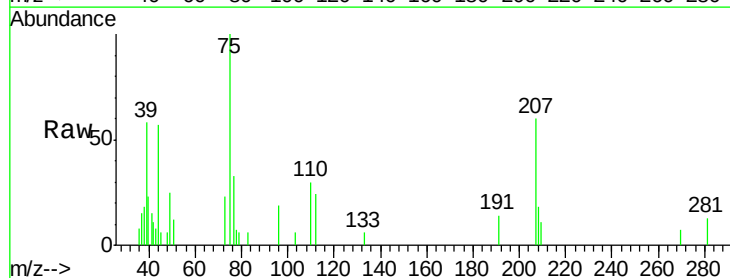
Acq: 06 May 2020 12:42

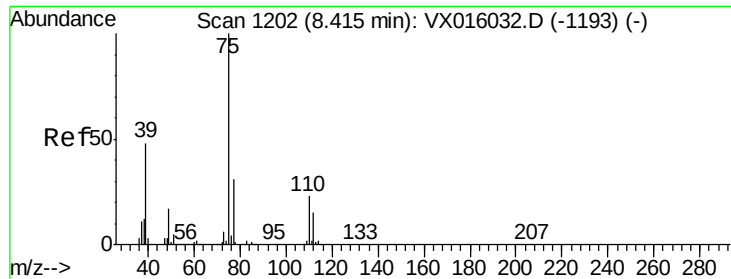
Tgt Ion: 75 Resp: 1428

Ion Ratio Lower Upper

75 100

77 33.4 25.7 38.5





#54

cis-1,3-Dichloropropene

Concen: 0.212 ug/l

RT: 8.42 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VX016077.D

Acq: 06 May 2020 12:42

Instrument :

MSVOA_X

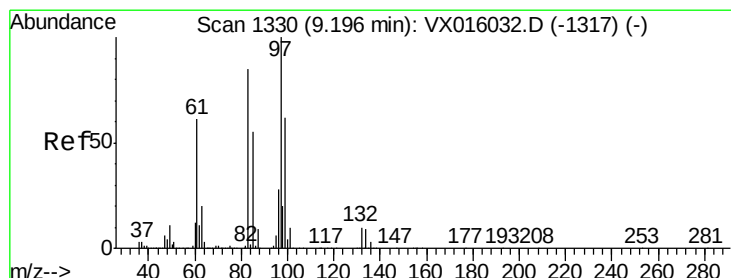
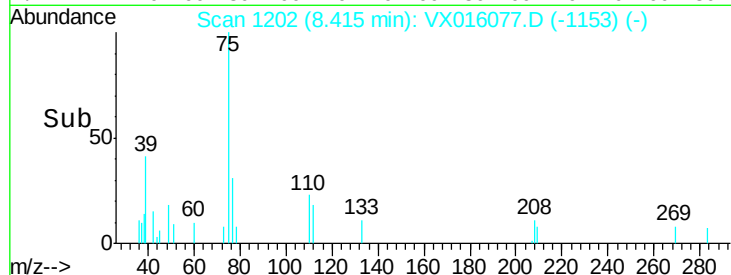
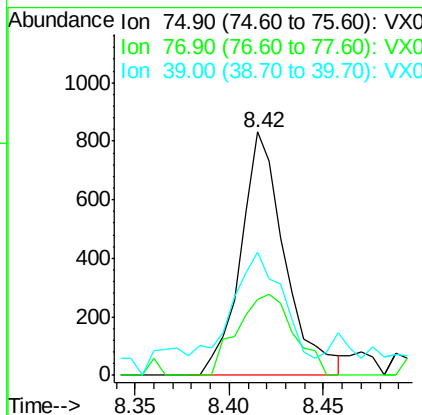
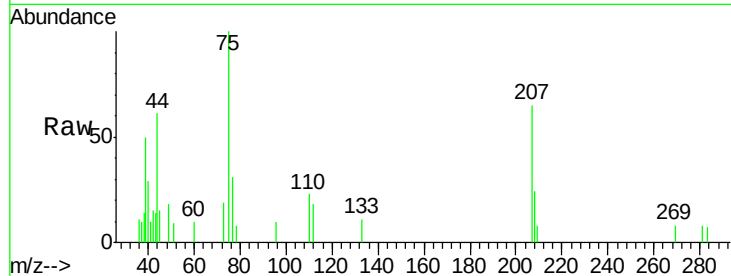
ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion:	75	Resp:	1352
Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.7	37.1
39	42.3	38.7	58.1

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#55

1,1,2-Trichloroethane

Concen: 0.259 ug/l

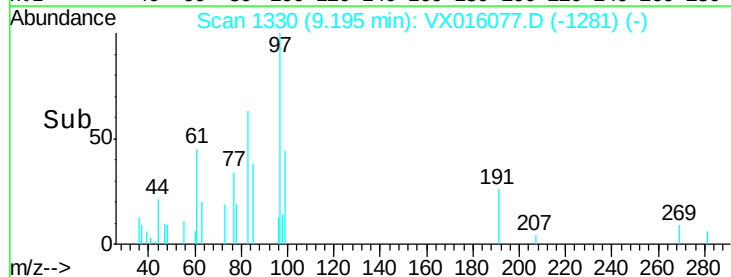
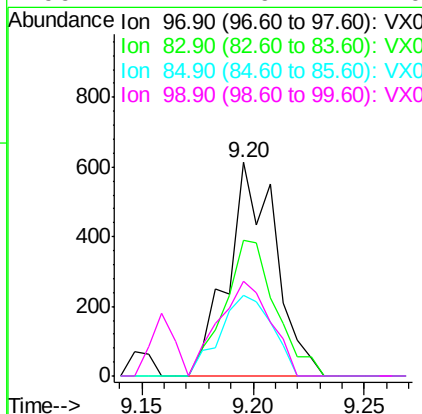
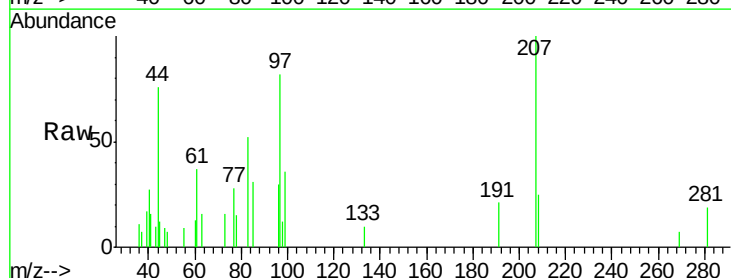
RT: 9.20 min Scan# 1330

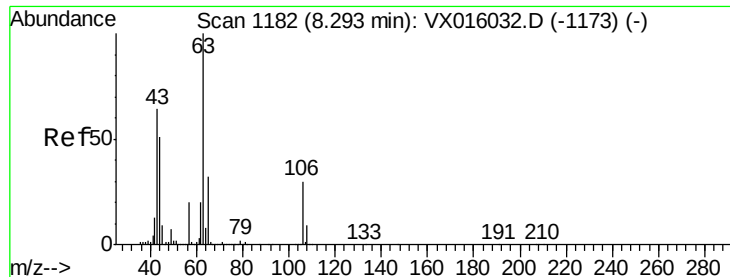
Delta R.T. -0.00 min

Lab File: VX016077.D

Acq: 06 May 2020 12:42

Tgt Ion:	97	Resp:	927
Ion	Ratio	Lower	Upper
97	100		
83	63.5	67.8	101.8#
85	38.0	43.8	65.8#
99	44.2	49.4	74.0#





#58

2-Chloroethyl Vinyl ether

Concen: 1.409 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VX016077.D

Acq: 06 May 2020 12:42

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion: 63 Resp: 4384

Ion Ratio Lower Upper

63 100

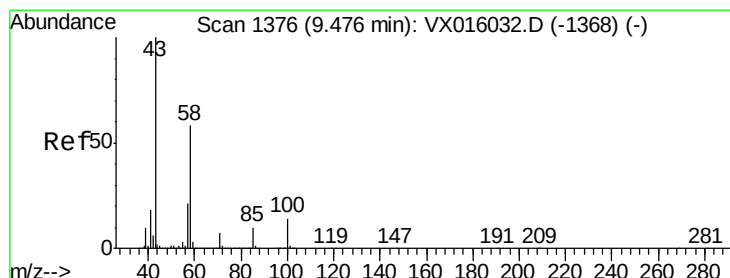
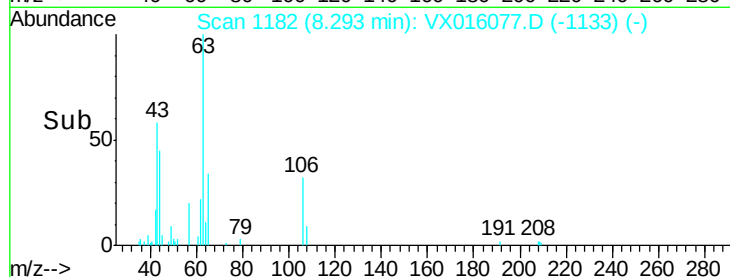
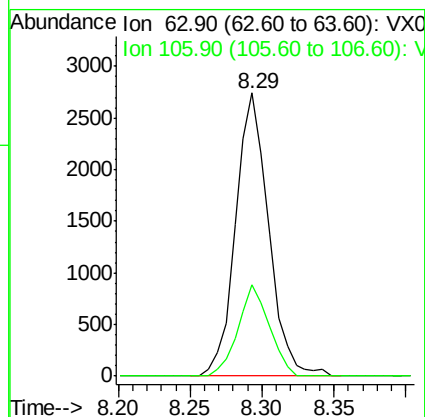
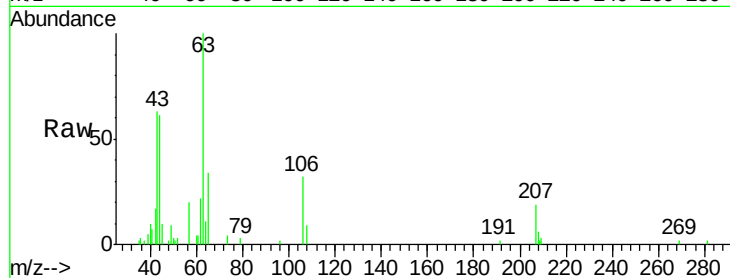
106 30.3 23.4 35.2

Manual Integrations

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#59

2-Hexanone

Concen: 0.878 ug/l

RT: 9.48 min Scan# 1376

Delta R.T. -0.00 min

Lab File: VX016077.D

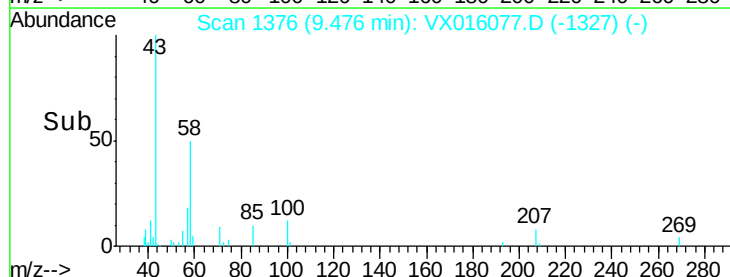
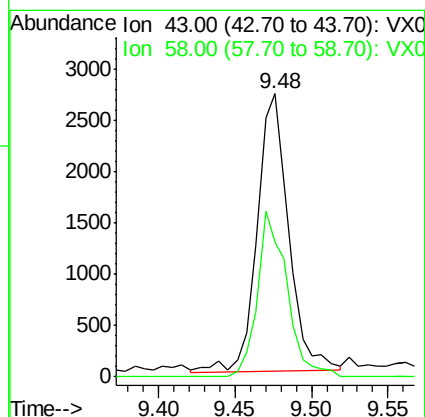
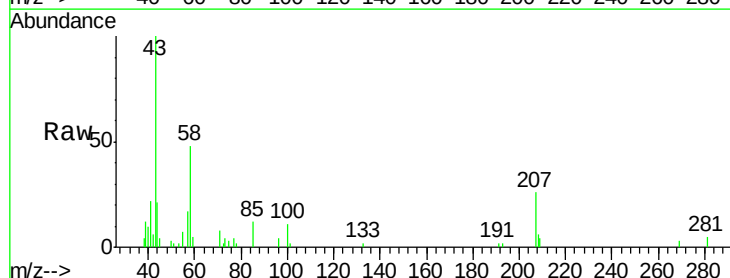
Acq: 06 May 2020 12:42

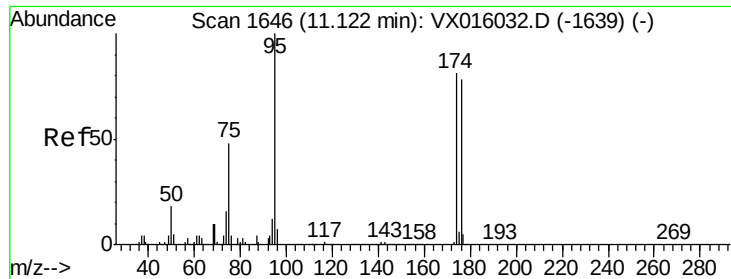
Tgt Ion: 43 Resp: 3893

Ion Ratio Lower Upper

43 100

58 55.5 28.6 85.9





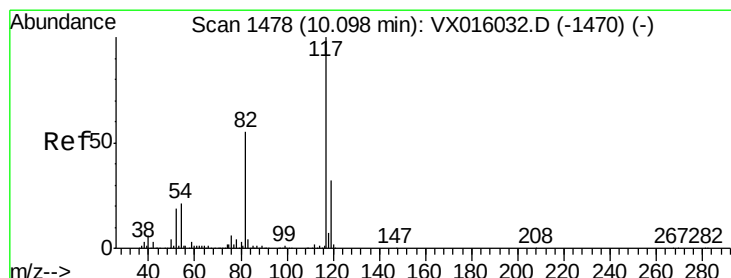
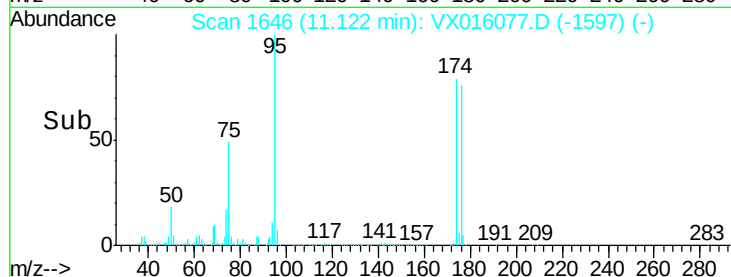
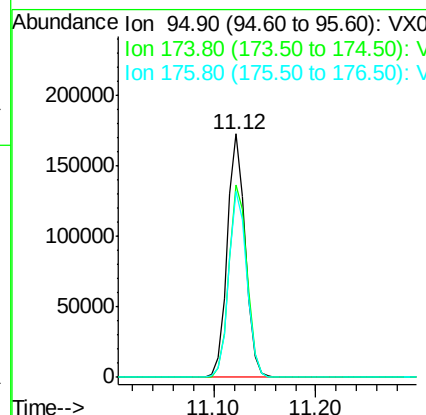
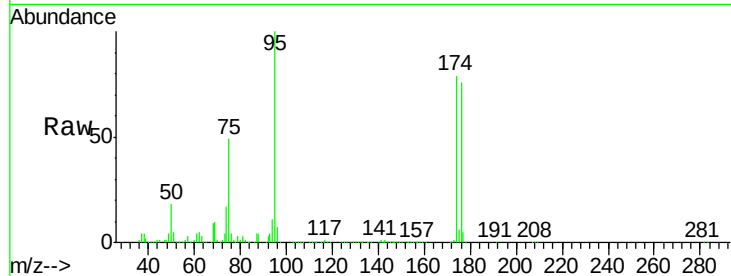
#62
4-Bromofluorobenzene
Concen: 44.761 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX016077.D
Acq: 06 May 2020 12:42

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2020DL

Tot Ion	Ratio	Resp	Lower	Upper
95	100	210681		
174	80.0	0.0	159.4	
176	76.8	0.0	157.6	

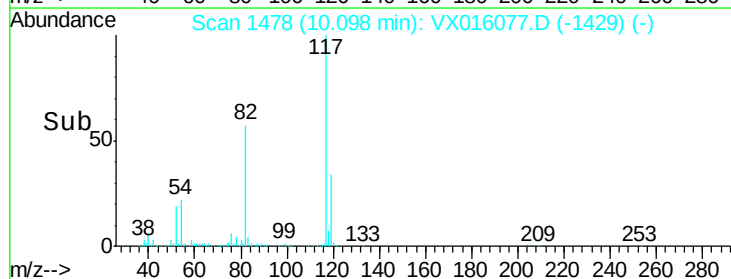
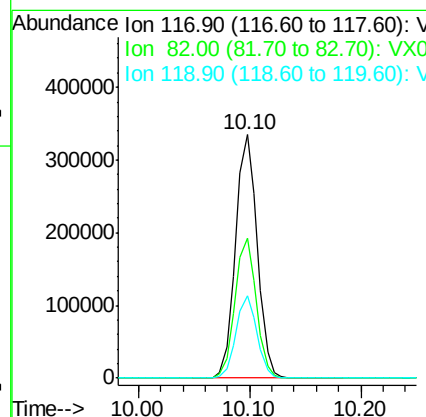
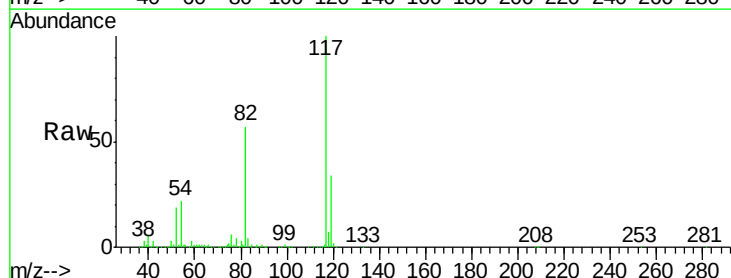
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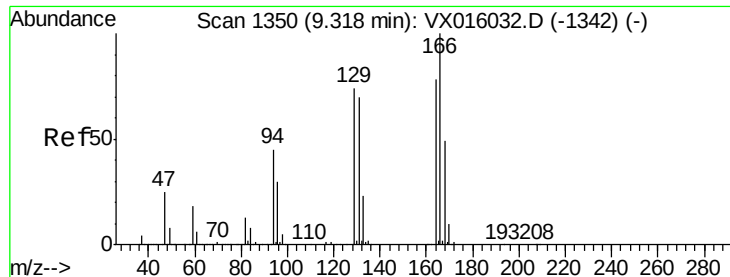
MMDadoda
5/8/2020 11:54:49 AM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016077.D
Acq: 06 May 2020 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	451253		
82	57.4	44.4	66.6	
119	33.7	25.5	38.3	





#64

Tetrachloroethene

Concen: 0.226 ug/l

RT: 9.32 min Scan# 1351

Delta R.T. 0.01 min

Lab File: VX016077.D

Acq: 06 May 2020 12:42

Instrument :

MSVOA_X

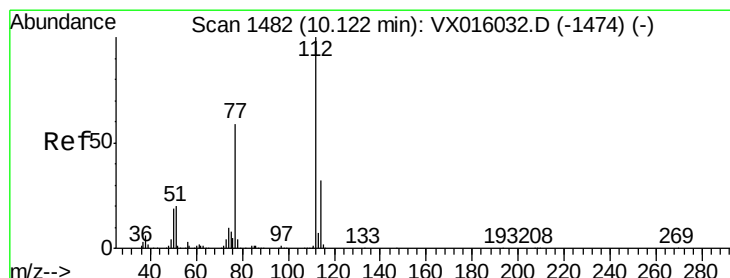
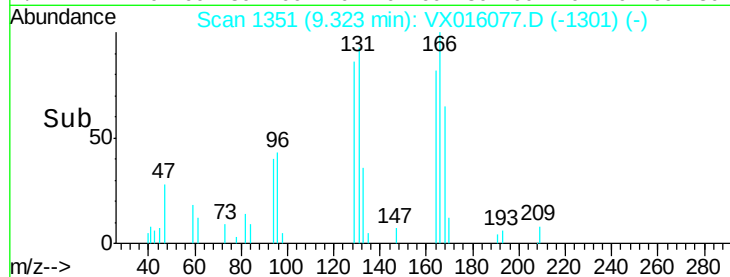
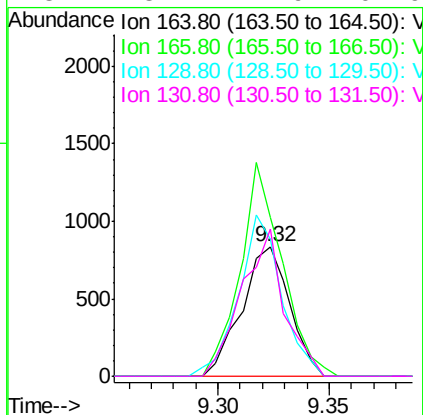
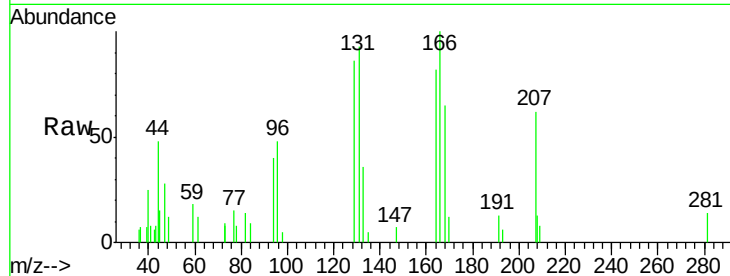
ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion:	164	Resp:	1251
Ion	Ratio	Lower	Upper
164	100		
166	122.4	102.9	154.3
129	105.8	76.1	114.1
131	113.4	71.9	107.9#

Manual Integrations
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#65

Chlorobenzene

Concen: 0.234 ug/l

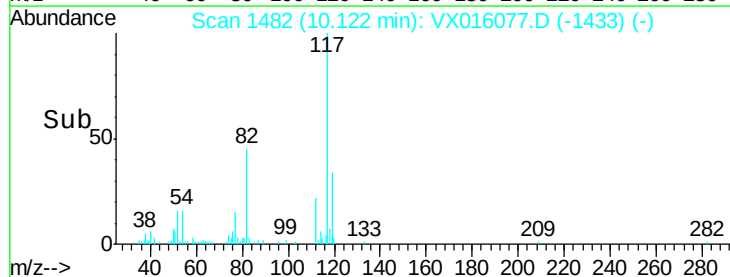
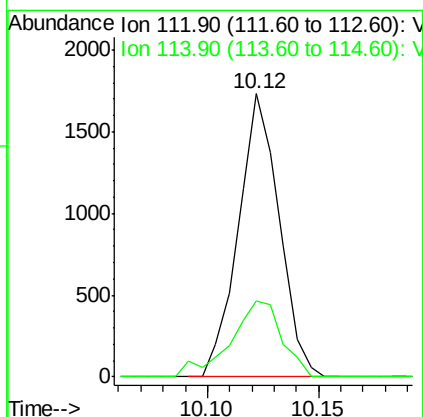
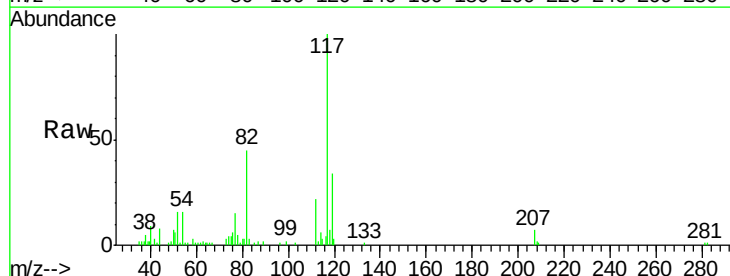
RT: 10.12 min Scan# 1482

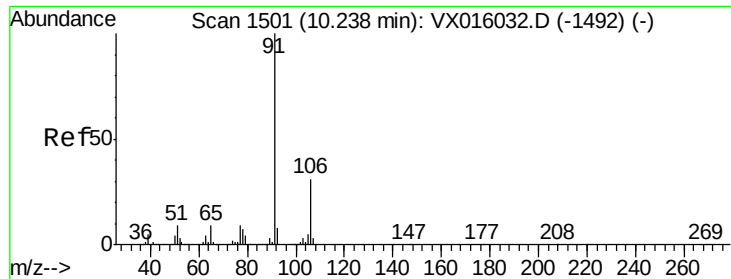
Delta R.T. -0.00 min

Lab File: VX016077.D

Acq: 06 May 2020 12:42

Tgt Ion:	112	Resp:	2214
Ion	Ratio	Lower	Upper
112	100		
114	27.0	25.7	38.5





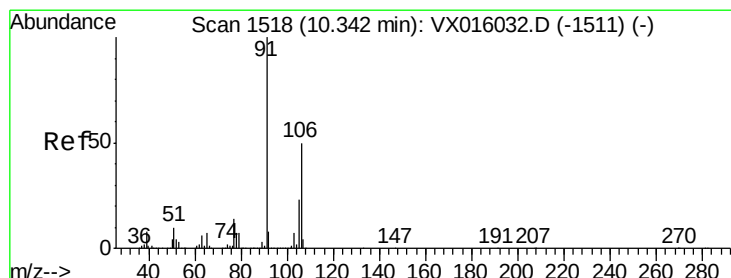
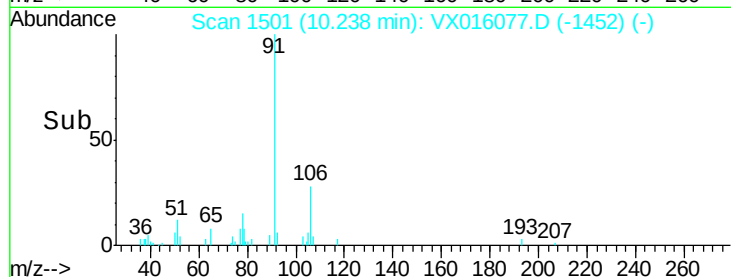
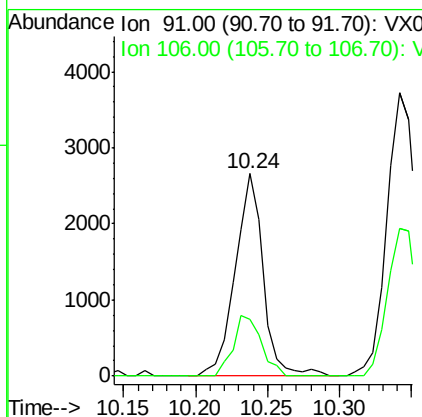
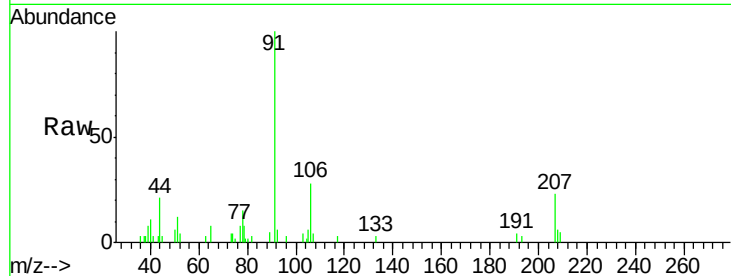
#67
Ethyl Benzene
Concen: 0.214 ug/l
RT: 10.24 min Scan# 1501
Delta R.T. -0.00 min
Lab File: VX016077.D
Acq: 06 May 2020 12:42

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2020DL

Tot Ion: 91 Resp: 3606
Ion Ratio Lower Upper
91 100
106 28.0 25.1 37.7

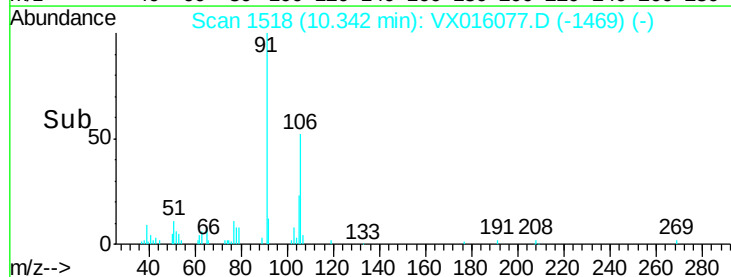
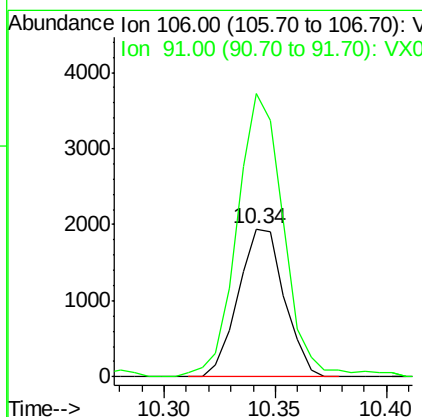
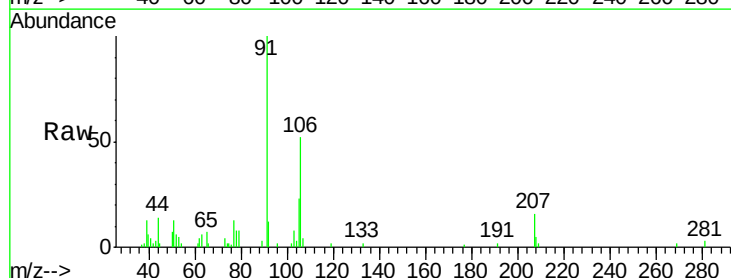
Manual Integrations
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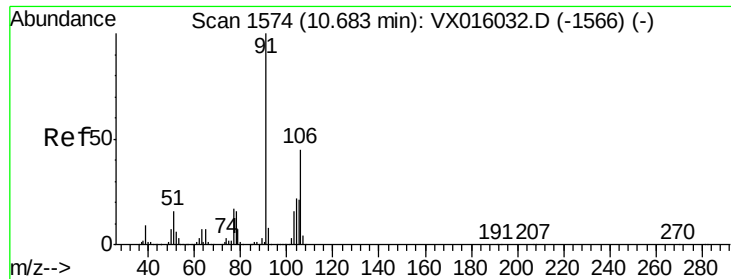
MMDadoda
5/8/2020 11:54:49 AM



#68
m/p-Xylenes
Concen: 0.443 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX016077.D
Acq: 06 May 2020 12:42

Tgt Ion: 106 Resp: 2797
Ion Ratio Lower Upper
106 100
91 194.8 161.7 242.5





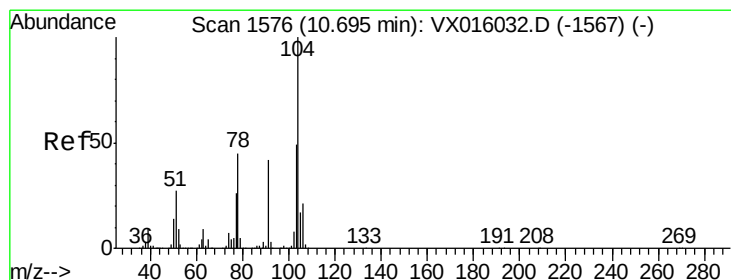
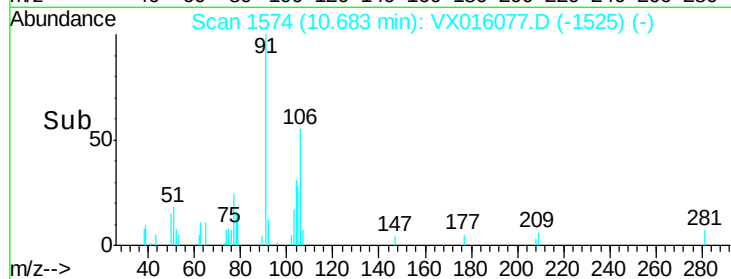
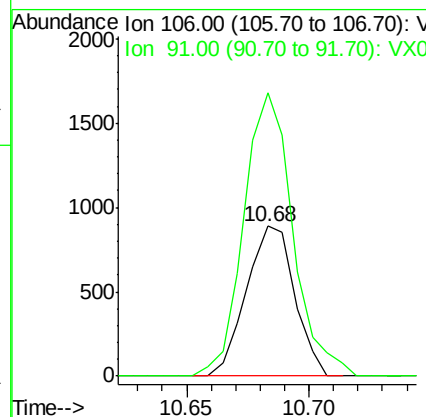
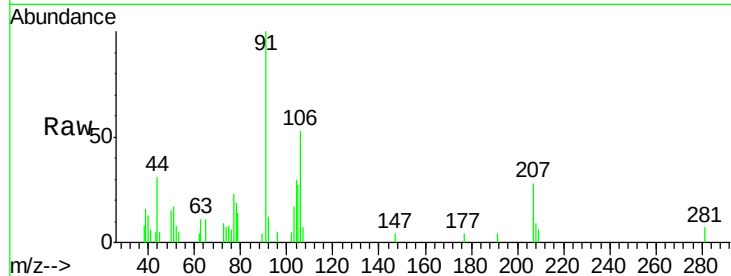
#69
o-Xylene
Concen: 0.201 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX016077.D
Acq: 06 May 2020 12:42

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2020DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		1221		
91	191.5		107.5	322.6	

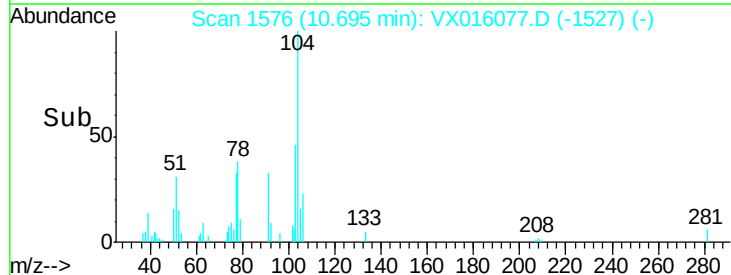
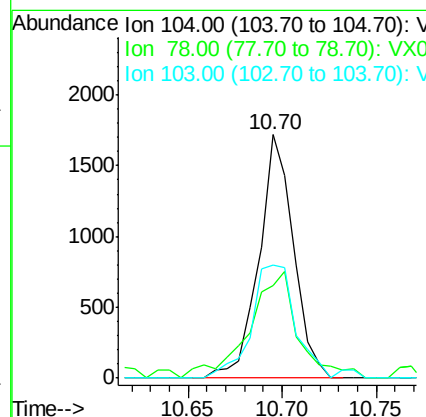
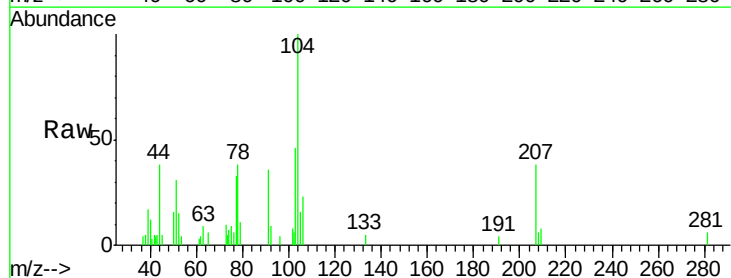
Manual Integrations
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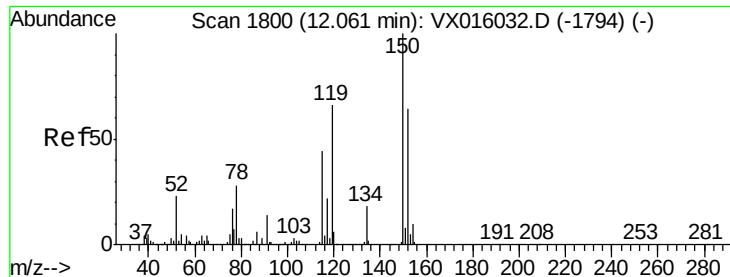
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#70
Styrene
Concen: 0.213 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX016077.D
Acq: 06 May 2020 12:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		2189		
78	62.0		40.2	60.2#	
103	60.9		43.0	64.6	





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016077.D

Acq: 06 May 2020 12:42

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion:152 Resp: 217783

Ion Ratio Lower Upper

152 100

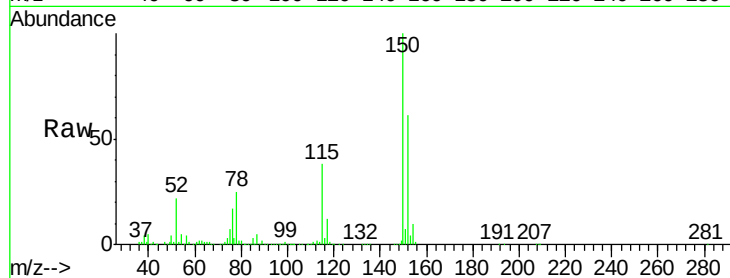
115 60.0 41.3 124.1

150 159.7 0.0 352.2

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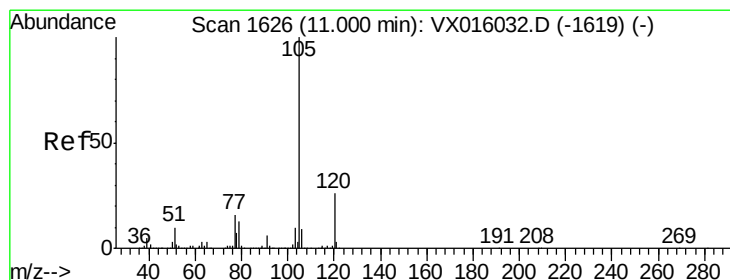
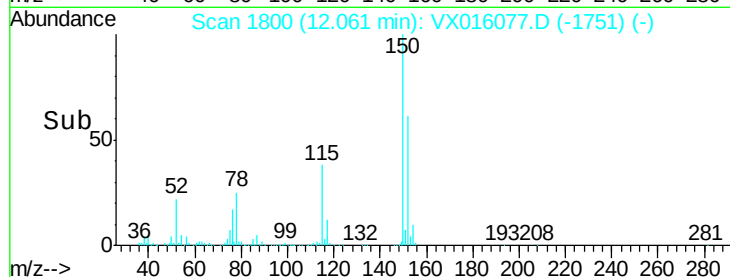
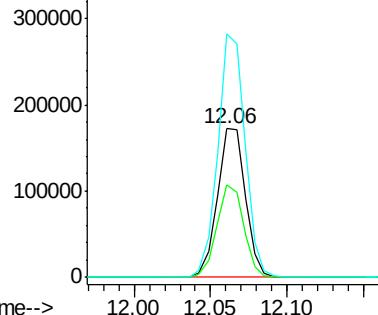
5/8/2020 11:54:49 AM



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 0.213 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX016077.D

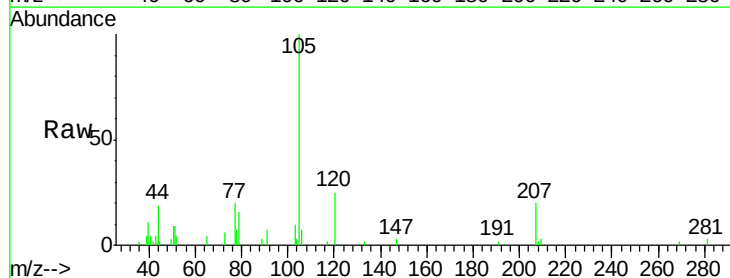
Acq: 06 May 2020 12:42

Tgt Ion:105 Resp: 3377

Ion Ratio Lower Upper

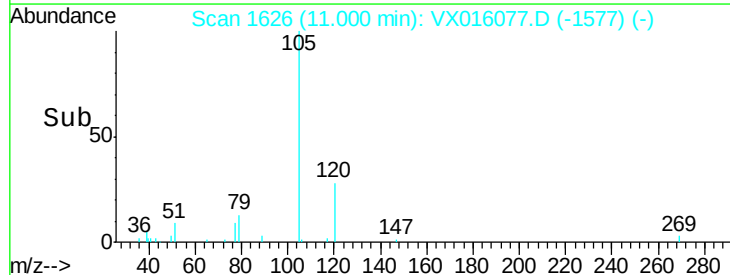
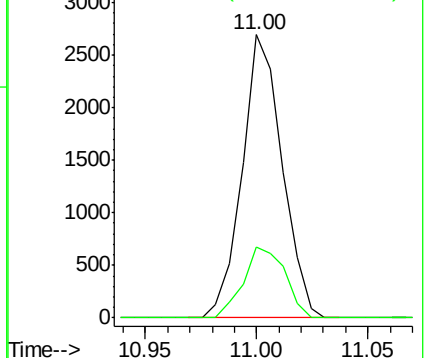
105 100

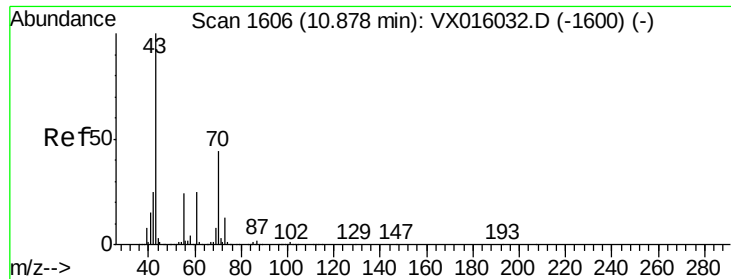
120 26.1 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.219 ug/l

RT: 10.88 min Scan# 1607

Delta R.T. 0.01 min

Lab File: VX016077.D

Acq: 06 May 2020 12:42

Instrument :

MSVOA_X

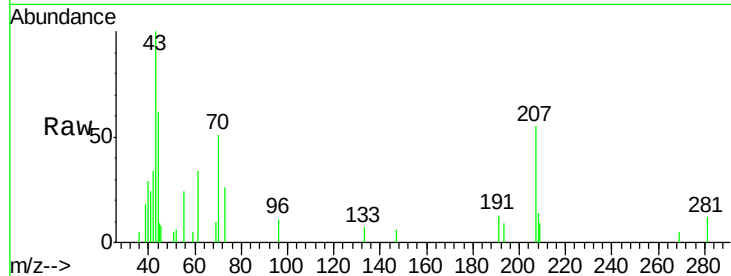
ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion:	43	Resp:	1615
Ion	Ratio	Lower	Upper
43	100		
70	41.3	36.5	54.7
55	25.6	19.7	29.5
61	27.9	20.9	31.3

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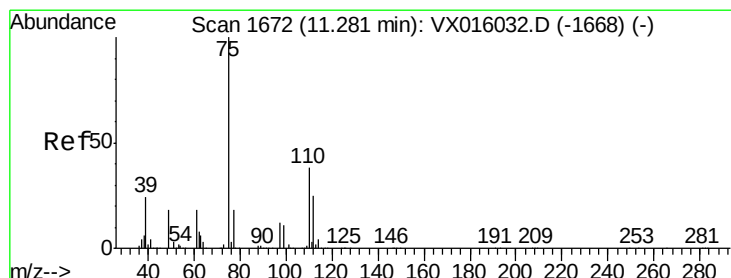
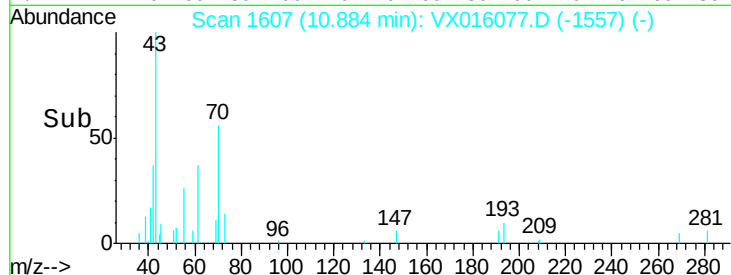
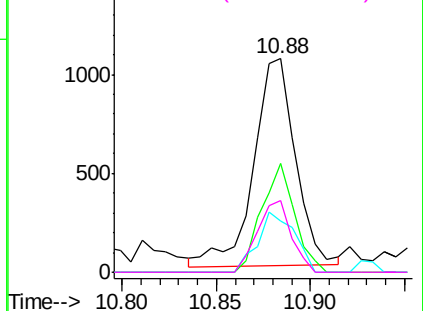


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#76

1,2,3-Trichloropropane

Concen: 0.225 ug/l m

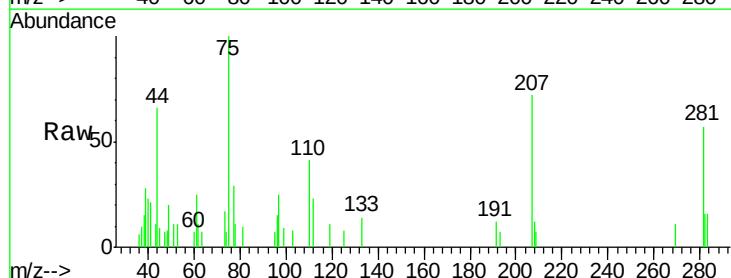
RT: 11.28 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VX016077.D

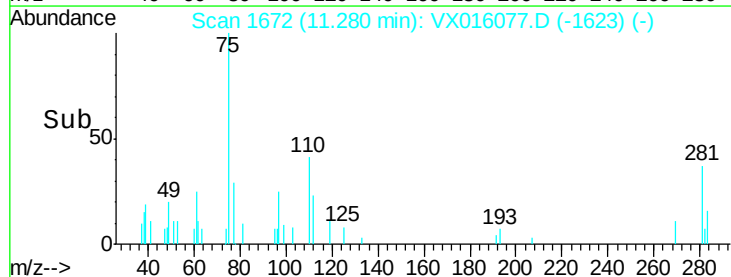
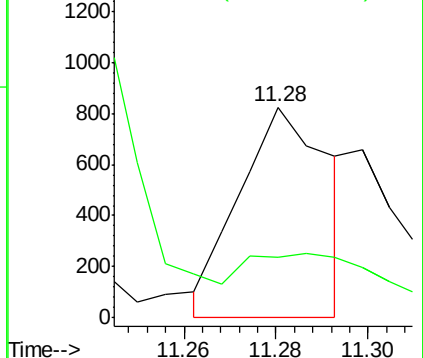
Acq: 06 May 2020 12:42

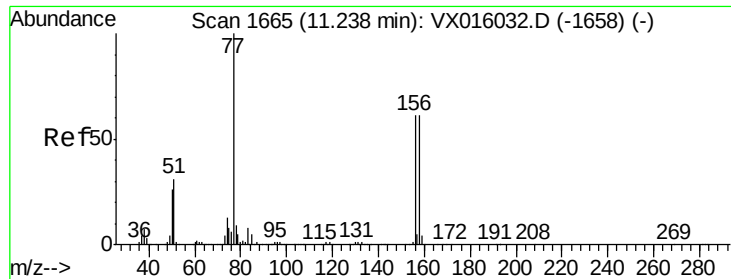
Tgt Ion:	75	Resp:	1112
Ion	Ratio	Lower	Upper
75	100		
77	129.5	21.2	63.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 0.267 ug/l

RT: 11.24 min Scan# 1666

Delta R.T. 0.01 min

Lab File: VX016077.D

Acq: 06 May 2020 12:42

Instrument :

MSVOA_X

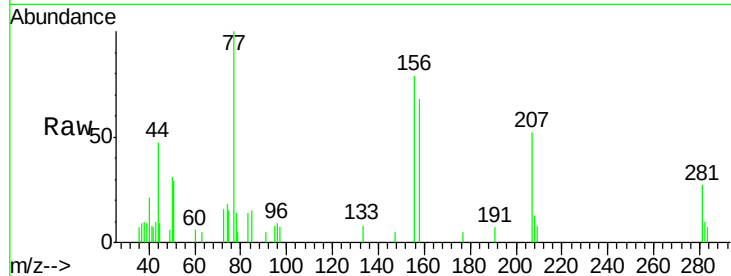
ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion:	156	Resp:	1091
Ion Ratio	Lower	Upper	
156	100		
77	183.9	80.1	240.3
158	90.8	49.4	148.2

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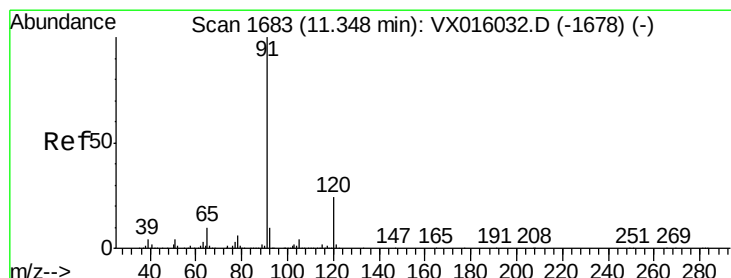
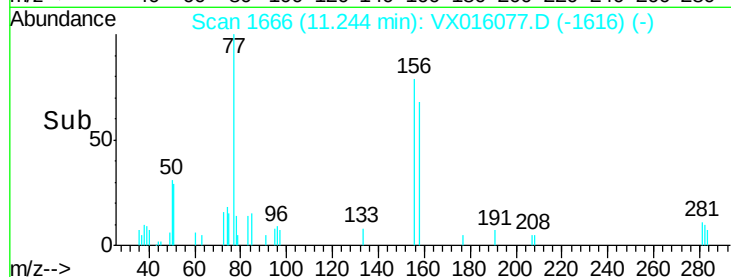
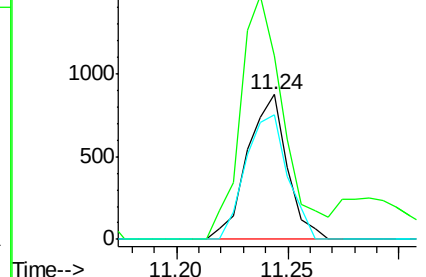
MMDadoda
5/8/2020 11:54:49 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 0.243 ug/l

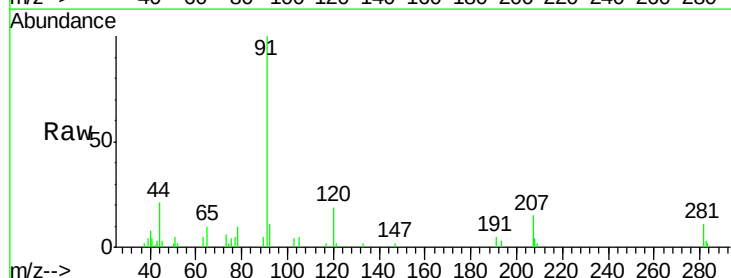
RT: 11.34 min Scan# 1682

Delta R.T. -0.01 min

Lab File: VX016077.D

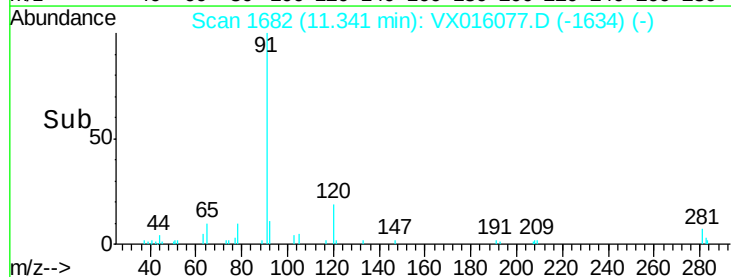
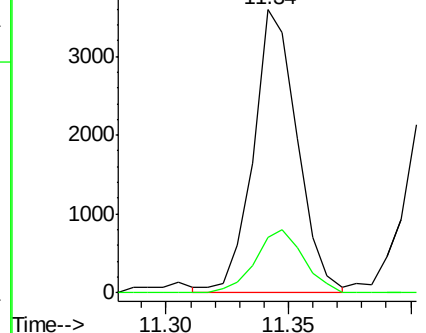
Acq: 06 May 2020 12:42

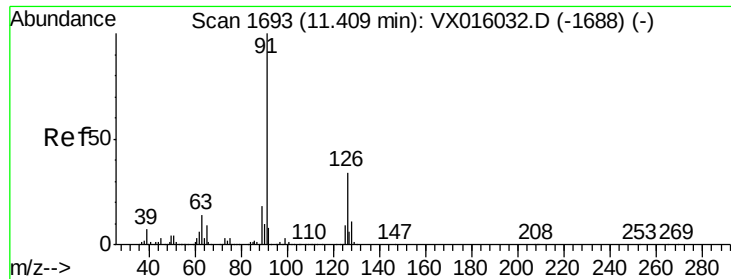
Tgt Ion:	91	Resp:	4483
Ion Ratio	Lower	Upper	
91	100		
120	24.4	11.5	34.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





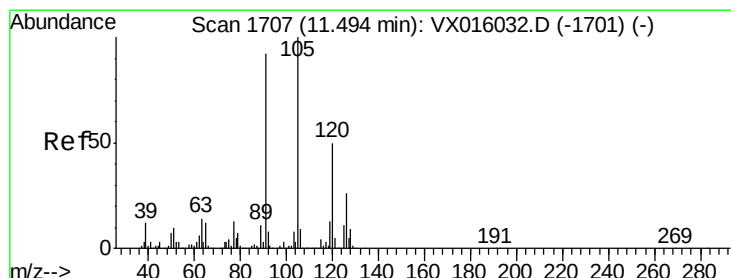
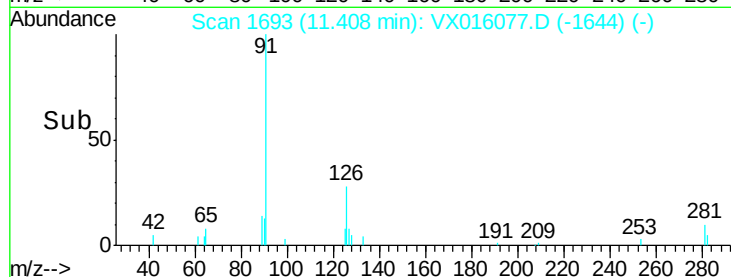
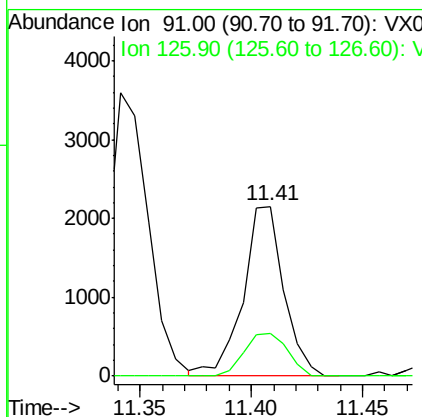
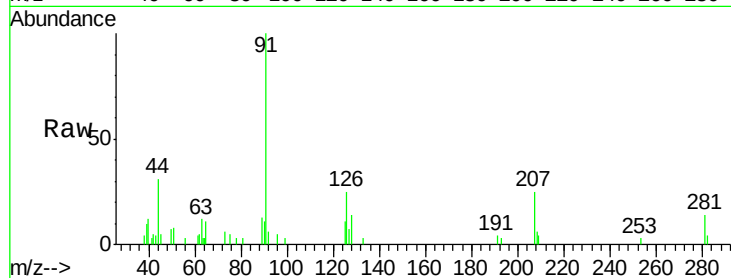
#79
 2-Chlorotoluene
 Concen: 0.253 ug/l
 RT: 11.41 min Scan# 1693
 Delta R.T. -0.00 min
 Lab File: VX016077.D
 Acq: 06 May 2020 12:42

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2020DL

Tot Ion	Ratio	Lower	Upper
91	100		
126	26.5	16.9	50.6

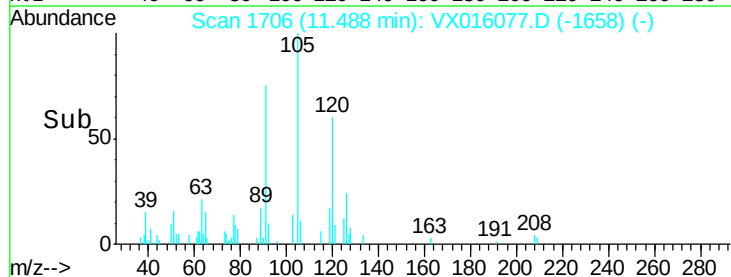
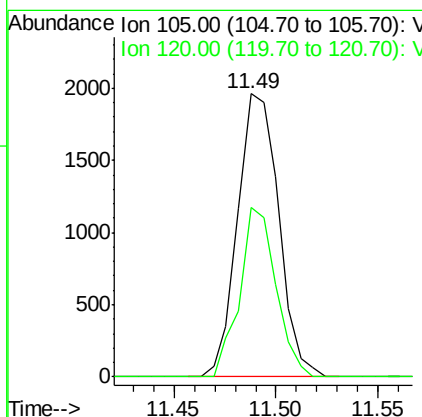
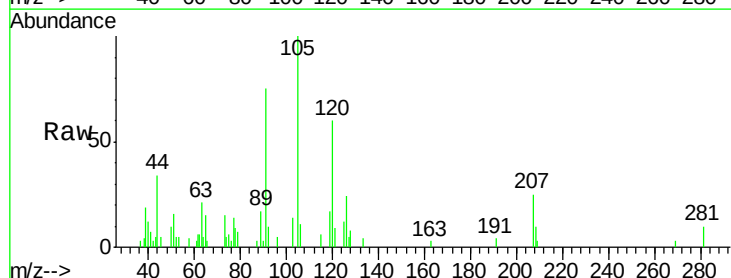
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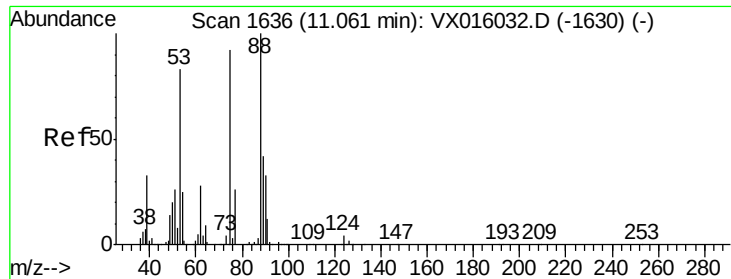
MMDadoda
 5/8/2020 11:54:49 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 0.205 ug/l
 RT: 11.49 min Scan# 1706
 Delta R.T. -0.01 min
 Lab File: VX016077.D
 Acq: 06 May 2020 12:42

Tgt Ion	Ratio	Lower	Upper
105	100		
120	52.8	24.6	74.0





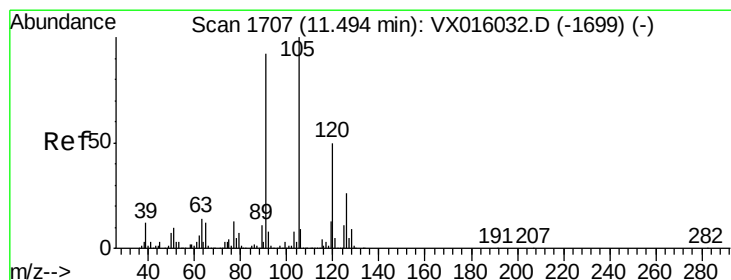
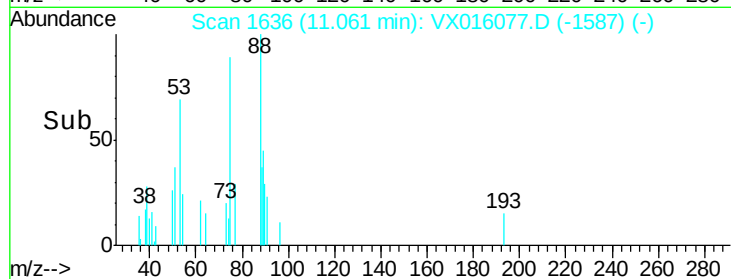
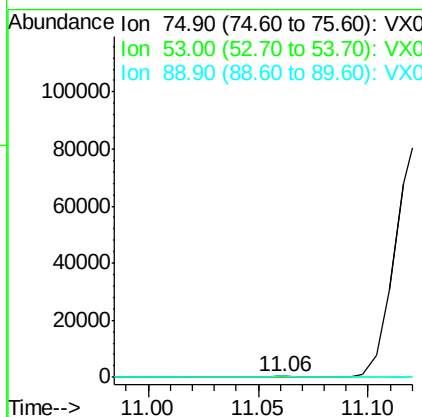
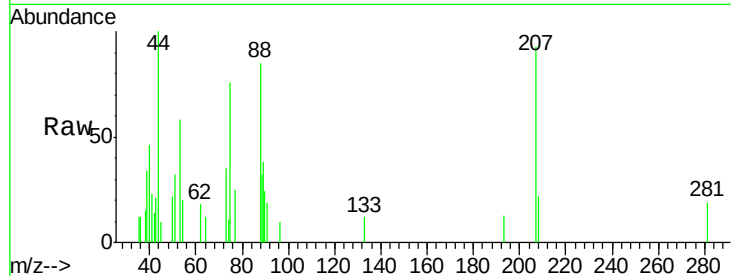
#81
trans-1,4-Dichloro-2-butene
Concen: 0.338 ug/l m
RT: 11.06 min Scan# 1636
Delta R.T. -0.00 min
Lab File: VX016077.D
Acq: 06 May 2020 12:42

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2020DL

Tot Ion	Ratio	Lower	Upper
75	100		
53	8.3	73.1	109.7#
89	0.0	36.7	55.1#

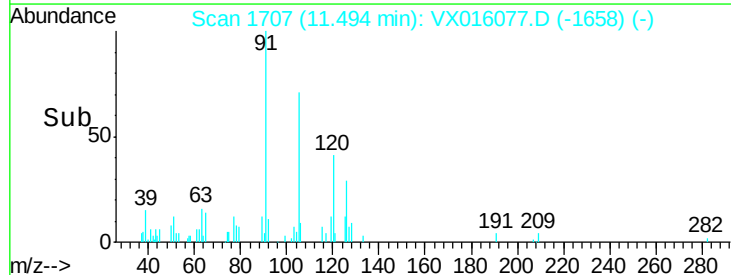
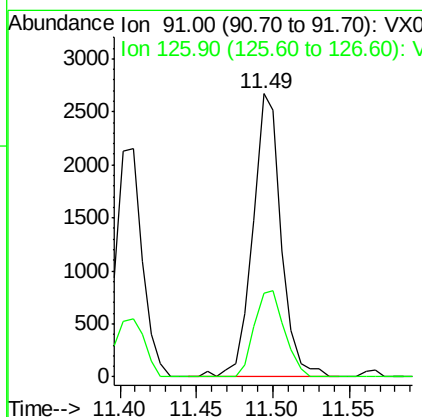
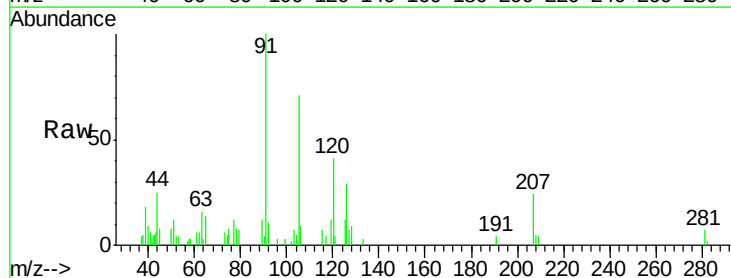
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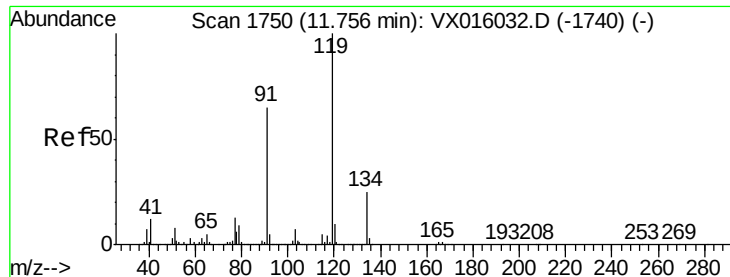
MMDadoda
5/8/2020 11:54:49 AM



#82
4-Chlorotoluene
Concen: 0.268 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VX016077.D
Acq: 06 May 2020 12:42

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.3	14.8	44.3





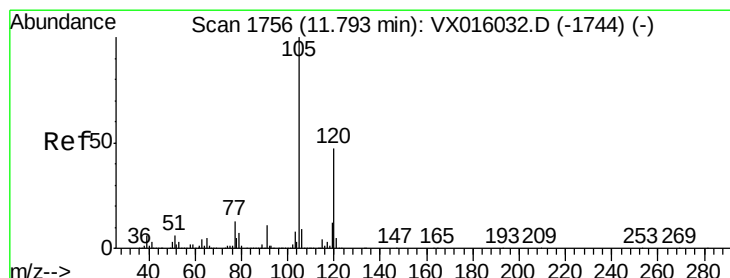
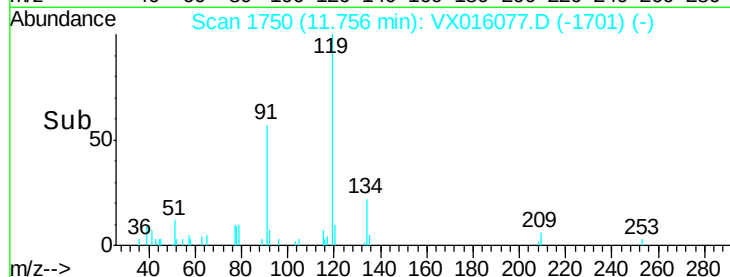
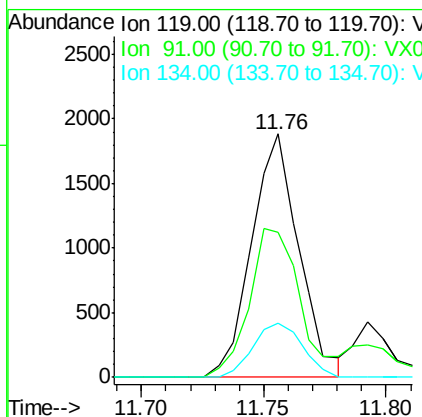
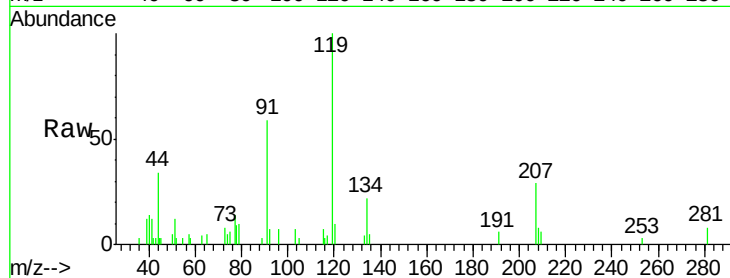
#83
 tert-Butylbenzene
 Concen: 0.219 ug/l
 RT: 11.76 min Scan# 1750
 Delta R.T. -0.00 min
 Lab File: VX016077.D
 Acq: 06 May 2020 12:42

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2020DL

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.0	32.8	98.4
134	23.4	12.4	37.0

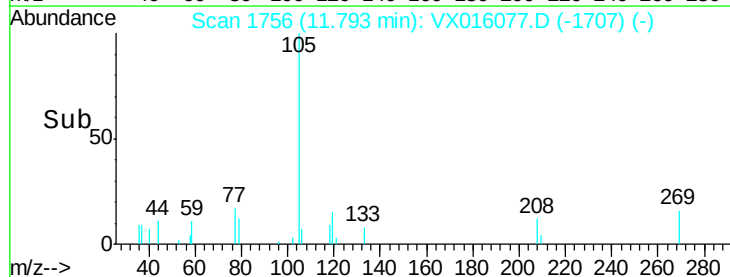
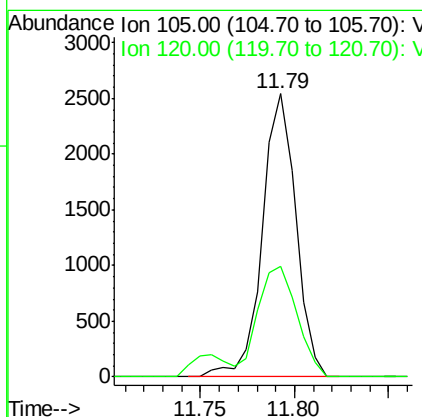
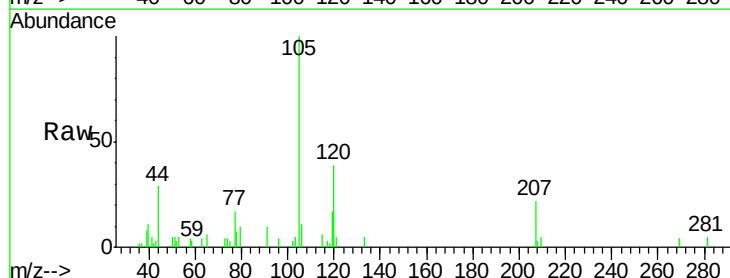
Manual Integrations
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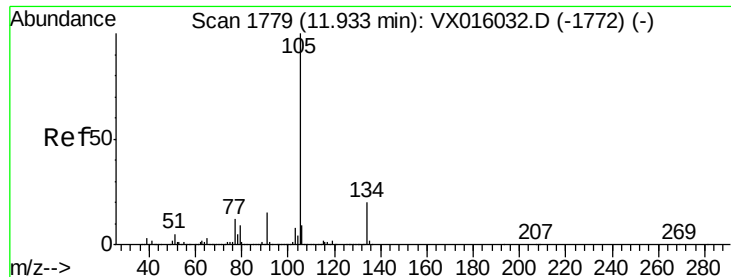
MMDadoda
 5/8/2020 11:54:49 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 0.232 ug/l
 RT: 11.79 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VX016077.D
 Acq: 06 May 2020 12:42

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	23.0	69.0





#85

sec-Butylbenzene

Concen: 0.215 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VX016077.D

Acq: 06 May 2020 12:42

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion:105 Resp: 3349

Ion Ratio Lower Upper

105 100

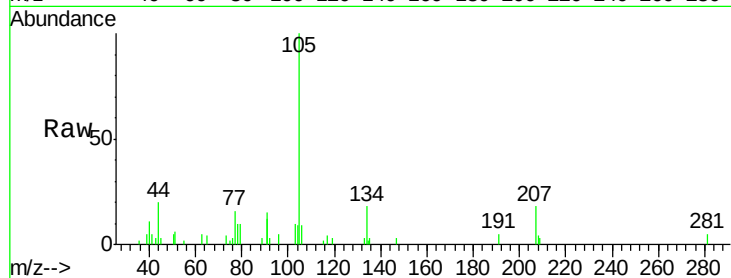
134 19.5 10.1 30.3

Manual Integrations

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5/8/2020 11:54:49 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.93

2500

2000

1500

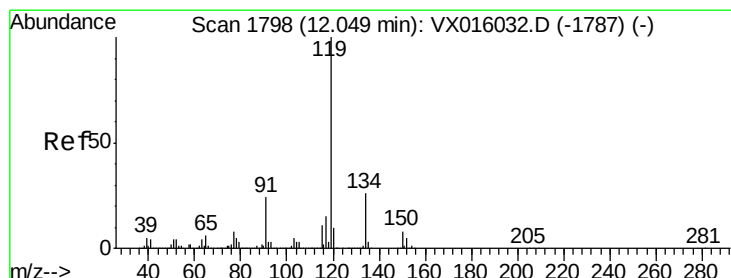
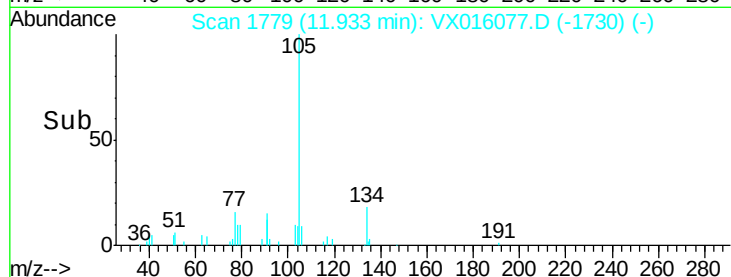
1000

500

0

11.90 11.95

Time-->



#86

p-Isopropyltoluene

Concen: 0.248 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VX016077.D

Acq: 06 May 2020 12:42

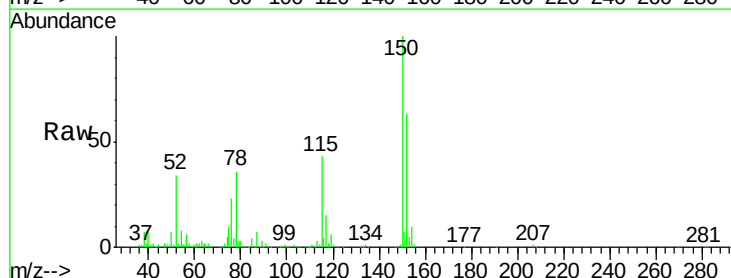
Tgt Ion:119 Resp: 3589

Ion Ratio Lower Upper

119 100

134 31.8 13.1 39.3

91 38.5 11.8 35.4#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

12.05

3000

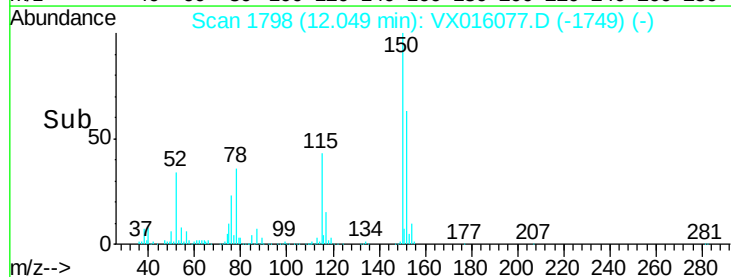
2000

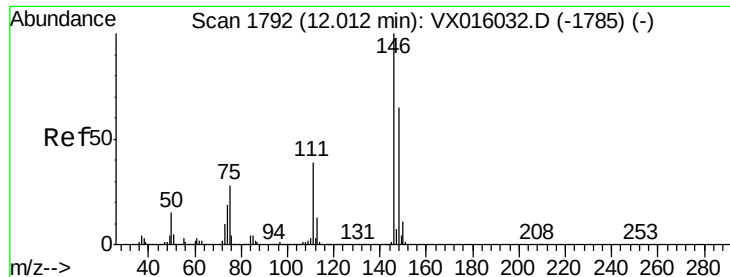
1000

0

12.00 12.05 12.10

Time-->





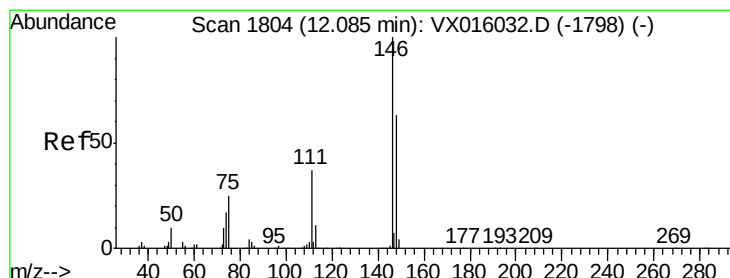
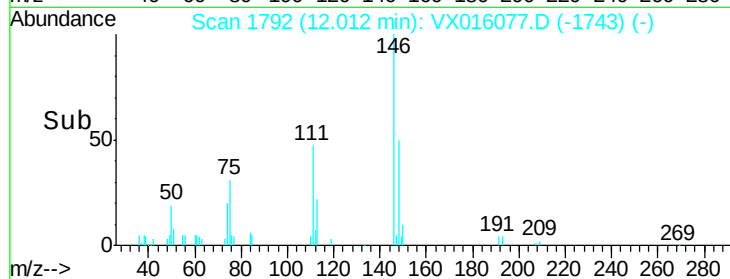
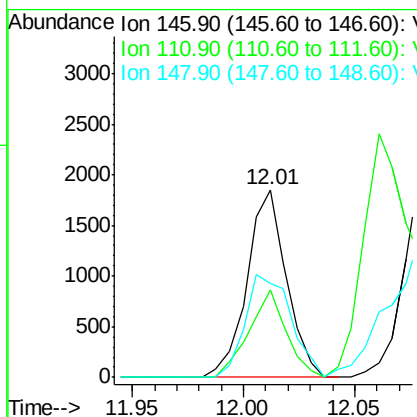
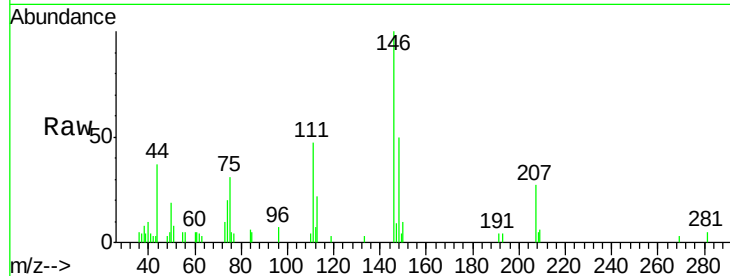
#87
 1,3-Dichlorobenzene
 Concen: 0.310 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX016077.D
 Acq: 06 May 2020 12:42

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2020DL

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.4	20.2	60.6
148	63.8	32.1	96.3

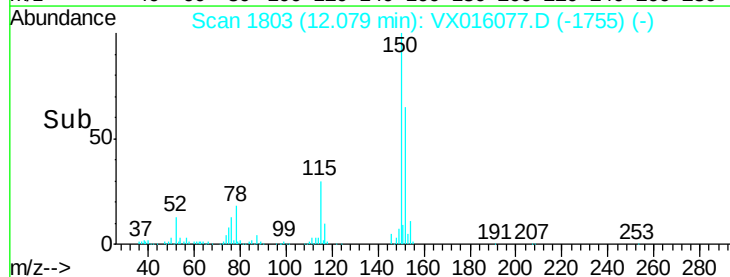
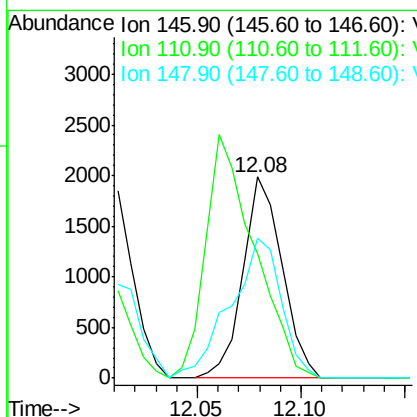
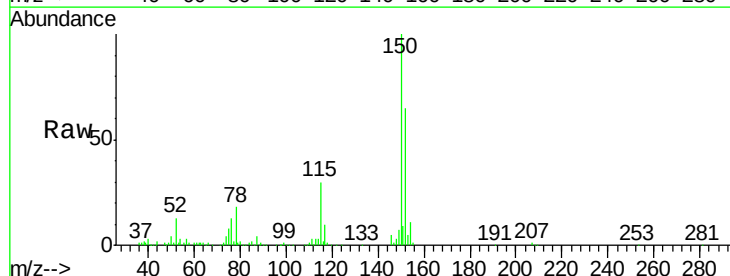
Manual Integrations
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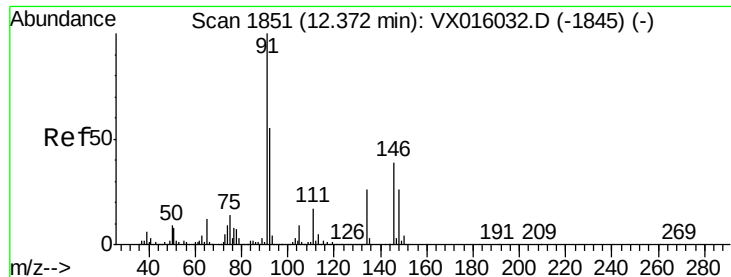
MMDadoda
 5/8/2020 11:54:49 AM



#88
 1,4-Dichlorobenzene
 Concen: 0.347 ug/l m
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.01 min
 Lab File: VX016077.D
 Acq: 06 May 2020 12:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.6	58.7
148	56.2	31.8	95.3





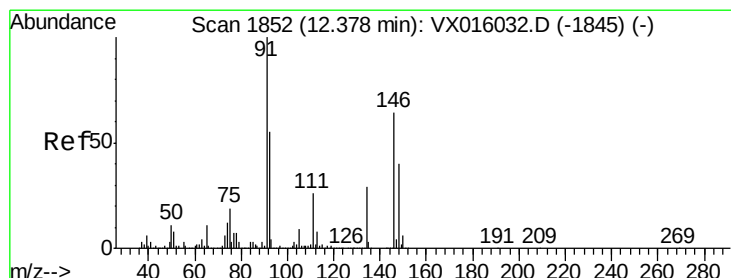
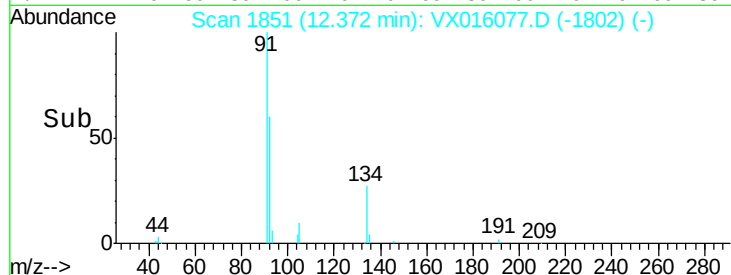
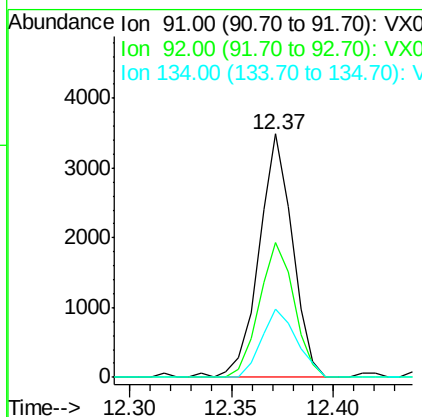
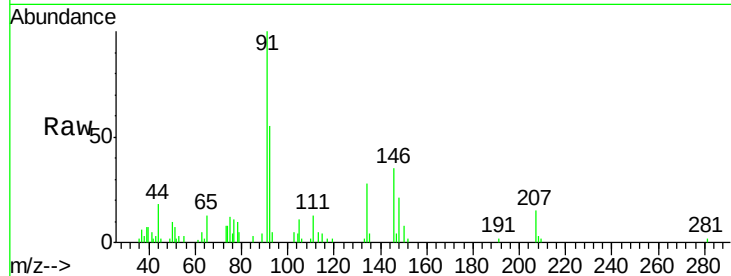
#89
n-Butylbenzene
Concen: 0.301 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX016077.D
Acq: 06 May 2020 12:42

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2020DL

Tot Ion:	91	Resp:	3978
Ion	Ratio	Lower	Upper
91	100		
92	57.5	27.6	82.7
134	29.4	13.4	40.1

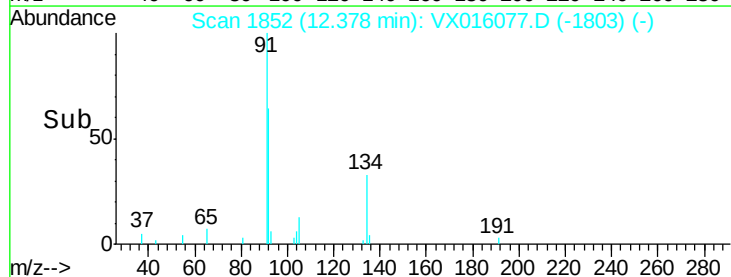
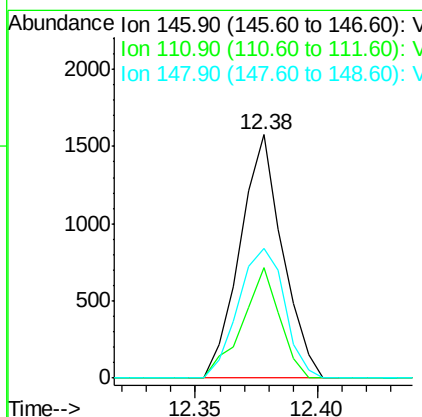
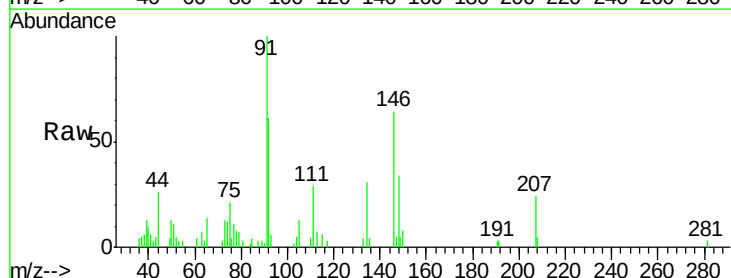
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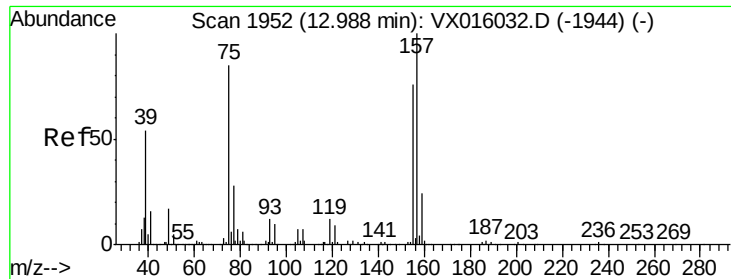
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#91
1,2-Dichlorobenzene
Concen: 0.269 ug/l
RT: 12.38 min Scan# 1852
Delta R.T. -0.00 min
Lab File: VX016077.D
Acq: 06 May 2020 12:42

Tgt Ion:	146	Resp:	1902
Ion	Ratio	Lower	Upper
146	100		
111	40.0	21.1	63.1
148	58.3	32.4	97.0





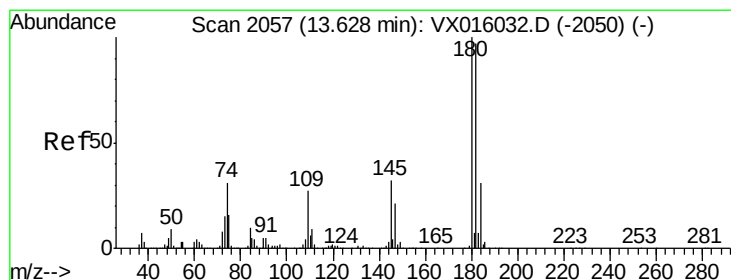
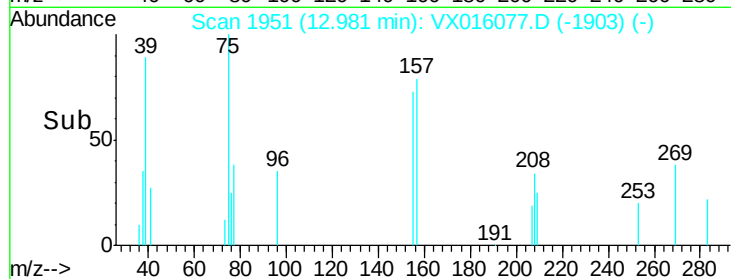
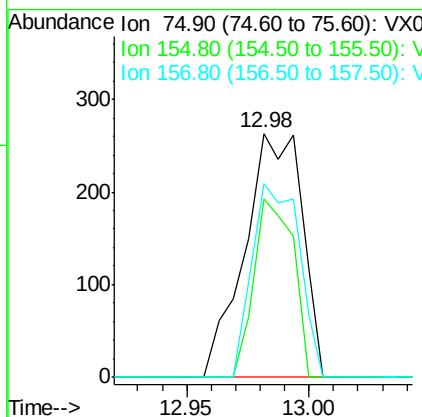
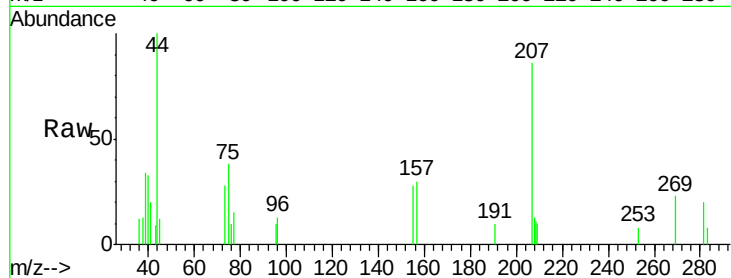
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.329 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. -0.01 min
 Lab File: VX016077.D
 Acq: 06 May 2020 12:42

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2020DL

Tot Ion	Ratio	Lower	Upper
75	100		
155	50.0	42.5	127.5
157	65.0	55.3	165.8

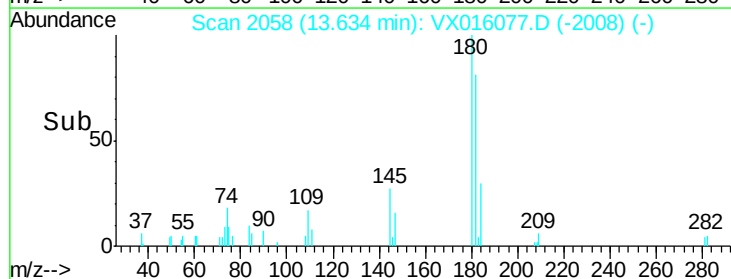
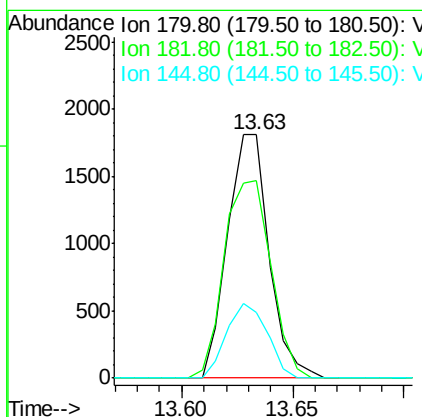
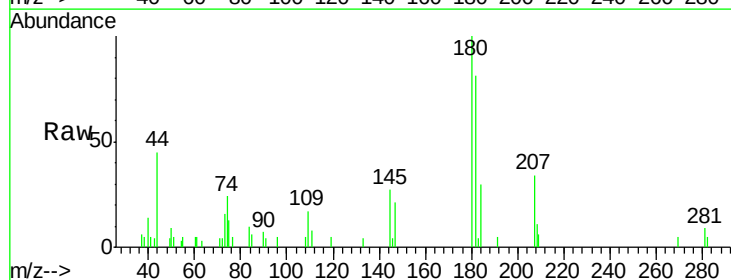
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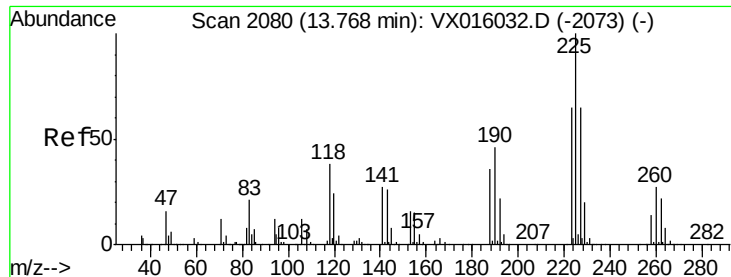
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#93
 1,2,4-Trichlorobenzene
 Concen: 0.450 ug/l
 RT: 13.63 min Scan# 2058
 Delta R.T. 0.01 min
 Lab File: VX016077.D
 Acq: 06 May 2020 12:42

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.0	48.7	146.1
145	30.1	15.7	47.1





#94

Hexachlorobutadiene

Concen: 0.380 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX016077.D

Acq: 06 May 2020 12:42

Instrument :

MSVOA_X

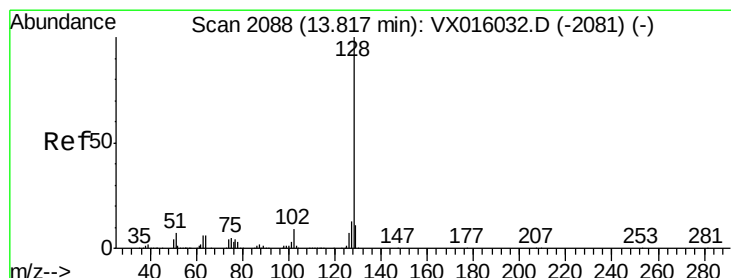
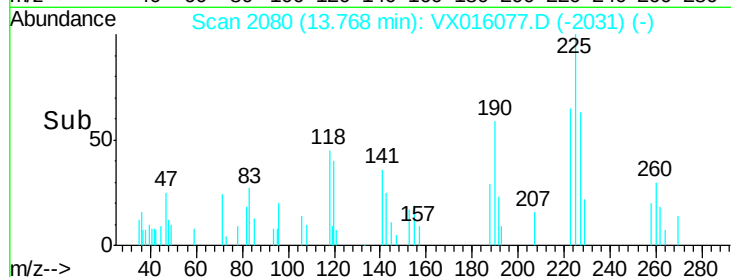
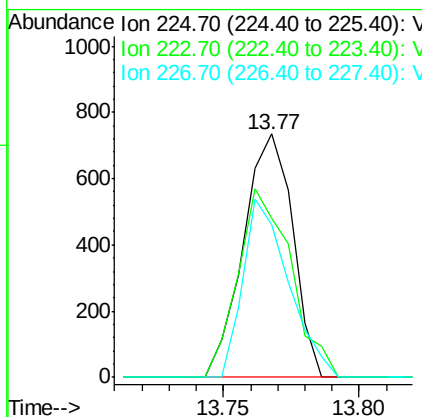
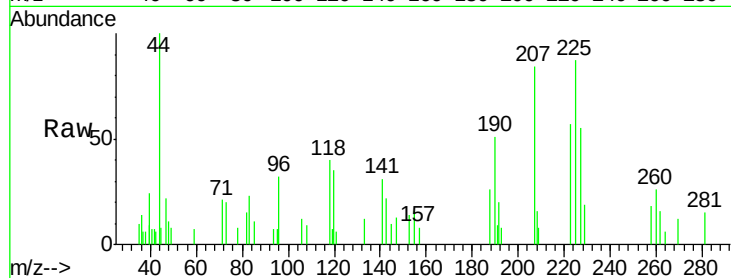
ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion:	225	Resp:	919
Ion Ratio	Lower	Upper	
225	100		
223	83.4	32.3	96.9
227	67.8	31.8	95.4

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#95

Naphthalene

Concen: 0.343 ug/l

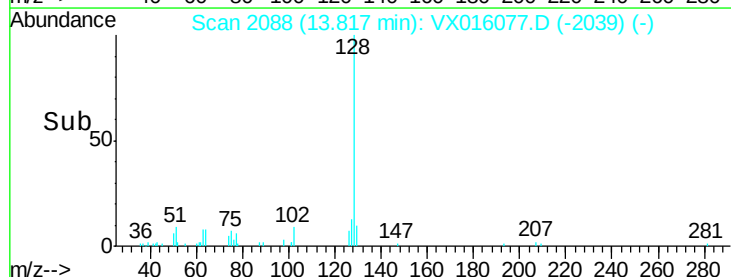
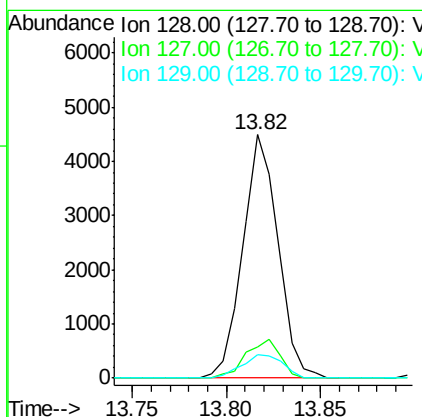
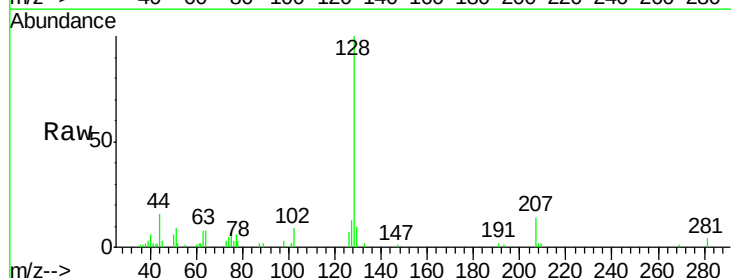
RT: 13.82 min Scan# 2088

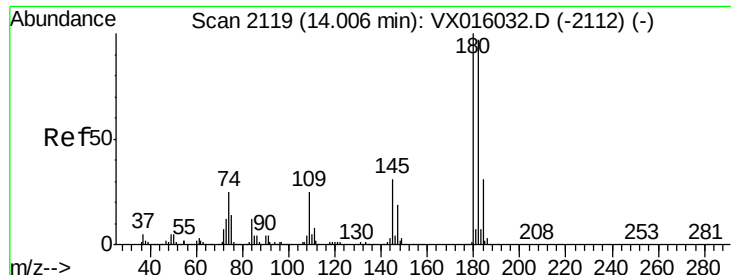
Delta R.T. -0.00 min

Lab File: VX016077.D

Acq: 06 May 2020 12:42

Tgt Ion:	128	Resp:	5820
Ion Ratio	Lower	Upper	
128	100		
127	15.4	10.2	15.4#
129	11.1	8.7	13.1





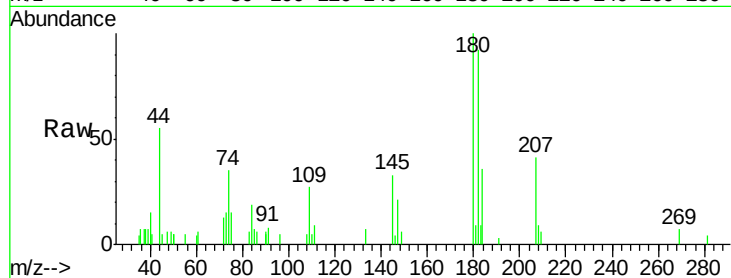
#96
 1,2,3-Trichlorobenzene
 Concen: 0.429 ug/l
 RT: 14.00 min Scan# 2118
 Delta R.T. -0.01 min
 Lab File: VX016077.D
 Acq: 06 May 2020 12:42

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2020DL

Tot Ion:	180	Resp:	2196
Ion Ratio	Lower	Upper	
180	100		
182	88.1	48.4	145.0
145	31.2	16.4	49.1

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Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

