

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX050520\
 Data File : VX016056.D
 Acq On : 05 May 2020 12:18
 Operator : JC/SP
 Sample : L2182-07 0.75PPB LOD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2020

Manual Integrations
 APPROVED

MMDadoda
 5/6/2020 12:27:14 PM

Quant Time: May 06 06:35:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 06:20:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	310338	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	498086	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	449720	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	220852	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.04	65	190578	46.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.34%	
35) Dibromofluoromethane	5.47	113	141463	44.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.66%	
50) Toluene-d8	8.70	98	561364	46.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.34%	
62) 4-Bromofluorobenzene	11.12	95	202705	43.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.66%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.18	85	1616	0.492	ug/l	95
3) Chloromethane	1.31	50	2355	0.617	ug/l	95
4) Vinyl Chloride	1.39	62	2076	0.510	ug/l	95
5) Bromomethane	1.63	94	2019	0.984	ug/l	94
6) Chloroethane	1.71	64	1463	0.591	ug/l	95
7) Trichlorofluoromethane	1.92	101	2679	0.501	ug/l #	82
8) Diethyl Ether	2.17	74	1575	0.700	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	1507	0.489	ug/l #	86
10) Methyl Iodide	2.50	142	1733	0.419	ug/l #	97
11) Tert butyl alcohol	3.01	59	2865	2.774	ug/l #	92
12) 1,1-Dichloroethene	2.36	96	1877	0.582	ug/l	93
13) Acrolein	2.27	56	2067	3.199	ug/l	91
14) Allyl chloride	2.71	41	3245	0.549	ug/l	98
15) Acrylonitrile	3.12	53	5496	2.565	ug/l	97
16) Acetone	2.42	43	6414	3.520	ug/l	100
17) Carbon Disulfide	2.55	76	7334	0.668	ug/l #	92
18) Methyl Acetate	2.75	43	2447	0.546	ug/l #	84
19) Methyl tert-butyl Ether	3.17	73	5501	0.495	ug/l	95
20) Methylene Chloride	2.84	84	2403	0.640	ug/l	96
21) trans-1,2-Dichloroethene	3.15	96	2588	0.720	ug/l #	72
22) Diisopropyl ether	3.82	45	6162	0.552	ug/l #	94
23) Vinyl Acetate	3.79	43	21489	2.189	ug/l	95
24) 1,1-Dichloroethane	3.67	63	3345	0.536	ug/l	97
25) 2-Butanone	4.64	43	7589	2.585	ug/l	97
26) 2,2-Dichloropropane	4.55	77	3108	0.545	ug/l	97
27) cis-1,2-Dichloroethene	4.57	96	2077	0.528	ug/l	97
28) Bromochloromethane	4.99	49	1816	0.638	ug/l #	89
29) Tetrahydrofuran	5.10	42	4708	2.420	ug/l	95
30) Chloroform	5.19	83	3317	0.534	ug/l	91
31) Cyclohexane	5.54	56	2988	0.527	ug/l	93
32) 1,1,1-Trichloroethane	5.47	97	3021	0.535	ug/l #	50
36) 1,1-Dichloropropene	5.78	75	2747	0.560	ug/l	92
37) Ethyl Acetate	4.81	43	3375	0.594	ug/l #	93
38) Carbon Tetrachloride	5.76	117	2664	0.535	ug/l	86

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Quant Time: May 06 06:35:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 06:20:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	2778	0.470	ug/l	95
40) Benzene	6.12	78	7790	0.543	ug/l	95
41) Methacrylonitrile	5.00	41	1583	0.516	ug/l #	80
42) 1,2-Dichloroethane	6.17	62	3068	0.594	ug/l	99
43) Isopropyl Acetate	6.42	43	4570	0.504	ug/l	98
44) Trichloroethene	7.19	130	2771	0.544	ug/l	92
45) 1,2-Dichloropropane	7.49	63	1974	0.544	ug/l #	84
46) Dibromomethane	7.65	93	1331	0.540	ug/l	96
47) Bromodichloromethane	7.88	83	2423	0.482	ug/l #	81
48) Methyl methacrylate	7.75	41	1856	0.432	ug/l #	87
49) 1,4-Dioxane	7.72	88	1050	10.190	ug/l #	85
51) 4-Methyl-2-Pentanone	8.62	43	12592	2.269	ug/l	99
52) Toluene	8.77	92	4369	0.489	ug/l	92
53) t-1,3-Dichloropropene	9.02	75	3207	0.535	ug/l	90
54) cis-1,3-Dichloropropene	8.41	75	3023	0.483	ug/l	100
55) 1,1,2-Trichloroethane	9.20	97	1752	0.498	ug/l	98
56) Ethyl methacrylate	9.16	69	2526	0.440	ug/l #	78
57) 1,3-Dichloropropane	9.35	76	3211	0.523	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.29	63	6774	2.216	ug/l	96
59) 2-Hexanone	9.48	43	9489	2.178	ug/l	99
60) Dibromochloromethane	9.57	129	1712	0.442	ug/l	97
61) 1,2-Dibromoethane	9.65	107	1737	0.456	ug/l	94
64) Tetrachloroethene	9.32	164	2975	0.539	ug/l	94
65) Chlorobenzene	10.12	112	4847	0.515	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.20	131	1766	0.507	ug/l #	57
67) Ethyl Benzene	10.24	91	8306	0.494	ug/l	92
68) m/p-Xylenes	10.34	106	6223	0.989	ug/l	99
69) o-Xylene	10.68	106	2911	0.481	ug/l	98
70) Styrene	10.70	104	4731	0.461	ug/l	92
71) Bromoform	10.84	173	1214	0.428	ug/l #	100
73) Isopropylbenzene	11.01	105	7890	0.491	ug/l	98
74) N-amyl acetate	10.88	43	3913	0.522	ug/l	91
75) 1,1,2,2-Tetrachloroethane	11.26	83	1225	0.432	ug/l	92
76) 1,2,3-Trichloropropane	11.28	75	3465m	0.691	ug/l	
77) Bromobenzene	11.24	156	2286	0.551	ug/l	96
78) n-propylbenzene	11.34	91	9041	0.484	ug/l	100
79) 2-Chlorotoluene	11.41	91	5727	0.519	ug/l	97
80) 1,3,5-Trimethylbenzene	11.49	105	6390	0.471	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.06	75	1108m	0.527	ug/l	
82) 4-Chlorotoluene	11.49	91	6922	0.531	ug/l	96
83) tert-Butylbenzene	11.76	119	5716	0.489	ug/l	97
84) 1,2,4-Trimethylbenzene	11.79	105	6247	0.456	ug/l	94
85) sec-Butylbenzene	11.93	105	7261	0.460	ug/l	94
86) p-Isopropyltoluene	12.05	119	6930	0.473	ug/l	88
87) 1,3-Dichlorobenzene	12.01	146	4089	0.549	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	4222m	0.559	ug/l	
89) n-Butylbenzene	12.37	91	6556	0.490	ug/l	98
90) Hexachloroethane	12.58	117	1112	0.442	ug/l	87
91) 1,2-Dichlorobenzene	12.38	146	3570	0.498	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	12.98	75	674	0.510	ug/l	80

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LOD-MDL-WATER-01-QT2-2020

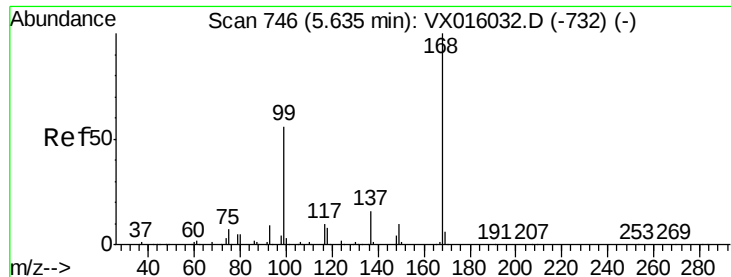
Manual Integrations
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5/6/2020 12:27:14 PM

Quant Time: May 06 06:35:45 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
Quant Title : SW846 8260
QLast Update : Wed May 06 06:20:25 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	3001	0.565	ug/l	90
94) Hexachlorobutadiene	13.76	225	1241	0.506	ug/l	95
95) Naphthalene	13.82	128	8097	0.471	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	2515	0.485	ug/l	95

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



#1

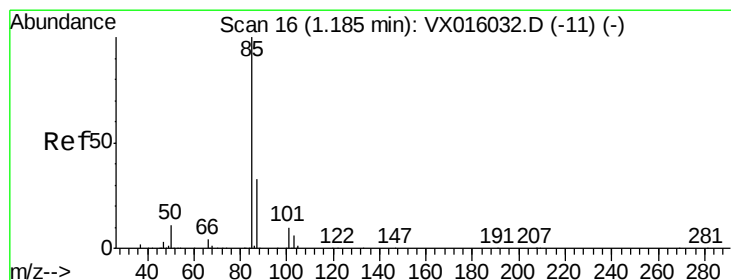
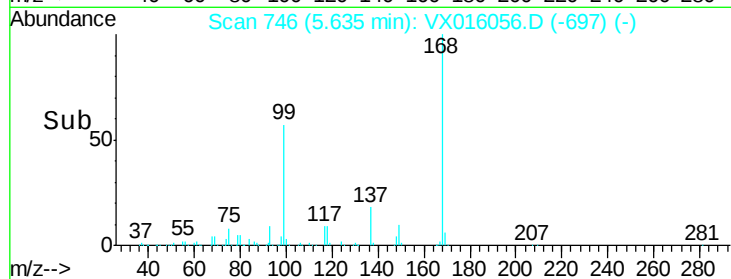
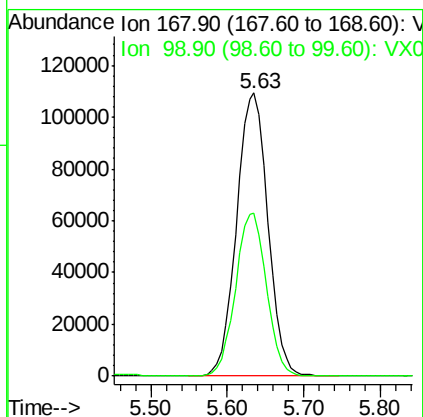
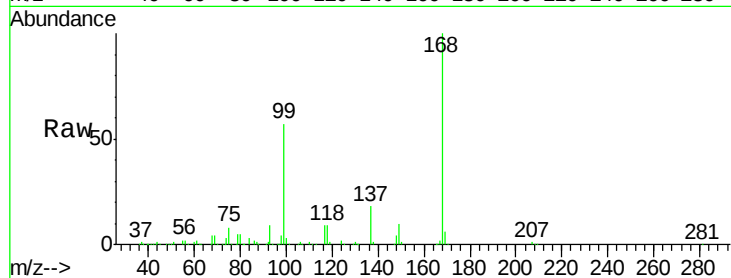
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.63 min Scan# 746
Delta R.T. -0.00 min
Lab File: VX016056.D
Acq: 05 May 2020 12:18

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
168	100		
99	57.5	45.0	67.4

Manual Integrations
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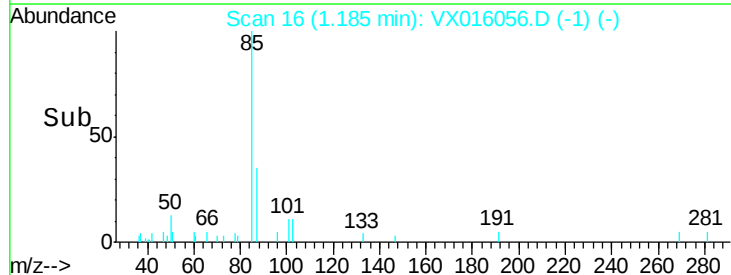
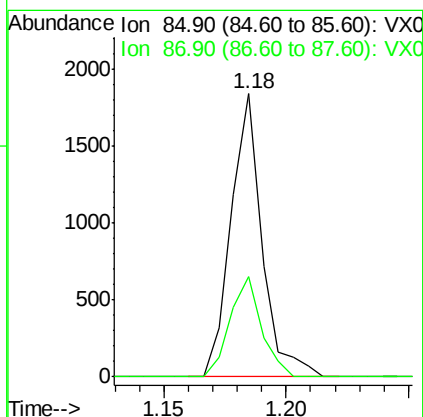
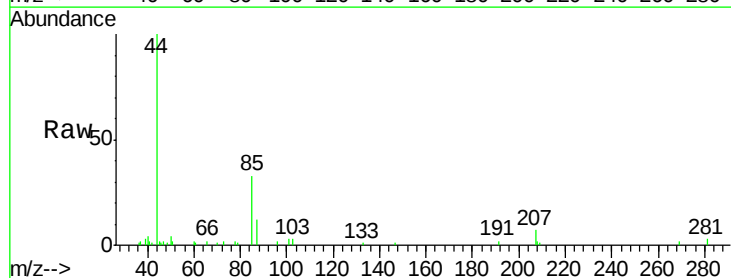
MMDadoda
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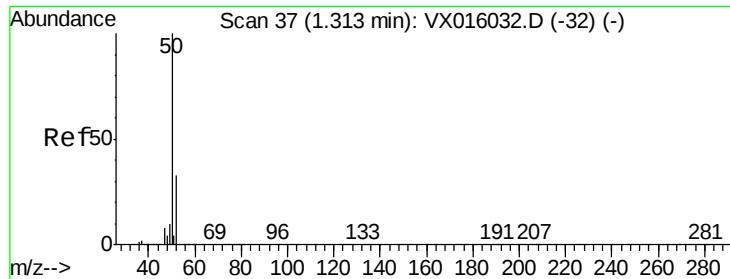


#2

Dichlorodifluoromethane
Concen: 0.492 ug/l
RT: 1.18 min Scan# 16
Delta R.T. -0.00 min
Lab File: VX016056.D
Acq: 05 May 2020 12:18

Tgt Ion	Ratio	Lower	Upper
85	100		
87	35.5	16.4	49.1





#3

Chloromethane

Concen: 0.617 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016056.D

Acq: 05 May 2020 12:18

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

Tot Ion: 50 Resp: 2355

Ion Ratio Lower Upper

50 100

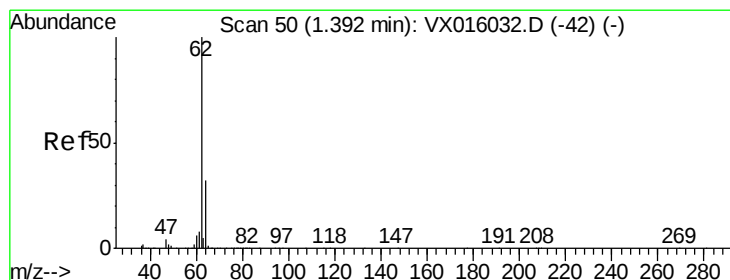
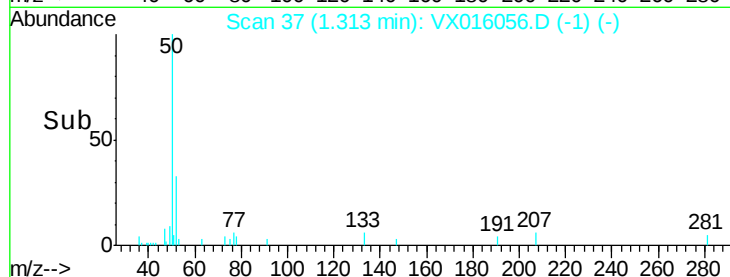
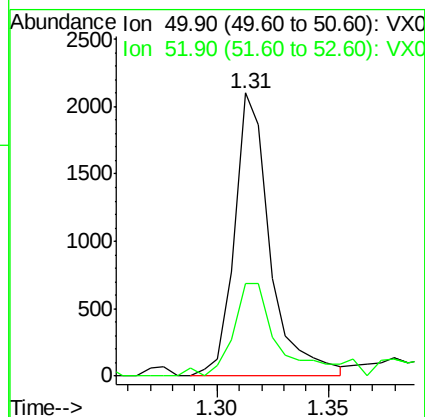
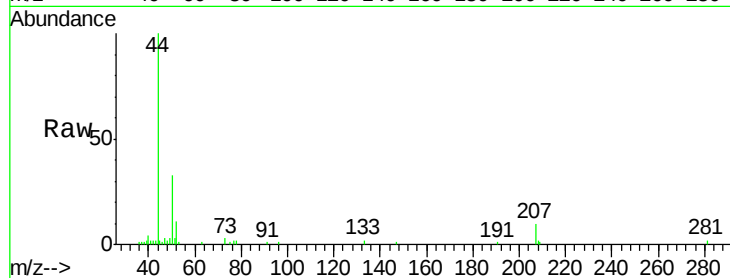
52 30.0 26.1 39.1

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#4

Vinyl Chloride

Concen: 0.510 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016056.D

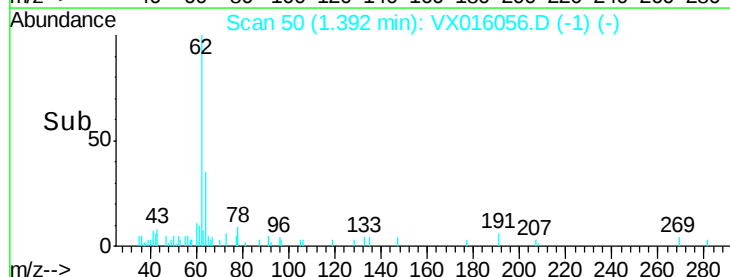
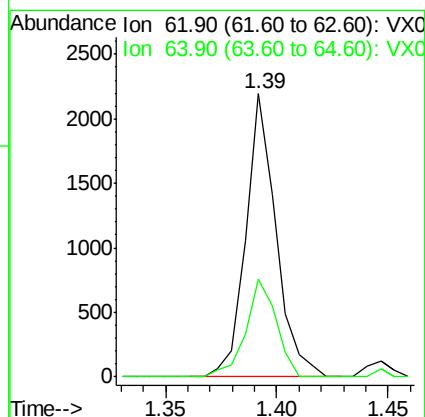
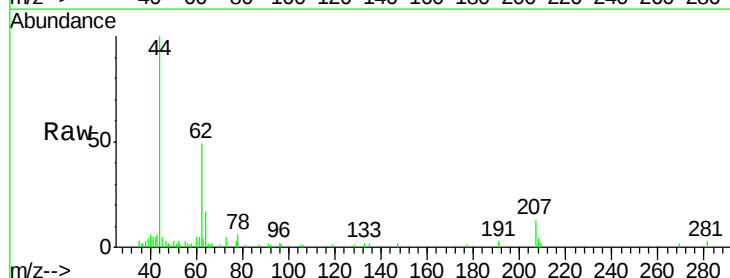
Acq: 05 May 2020 12:18

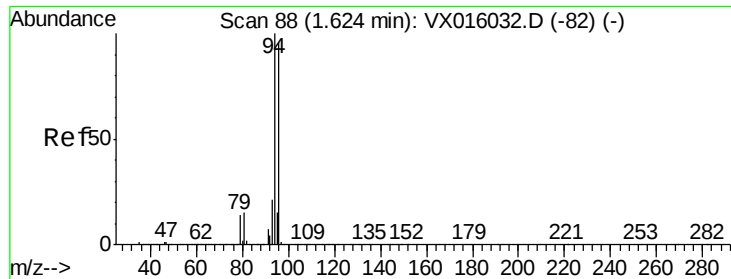
Tgt Ion: 62 Resp: 2076

Ion Ratio Lower Upper

62 100

64 34.7 25.7 38.5





#5

Bromomethane

Concen: 0.984 ug/l

RT: 1.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VX016056.D

Acq: 05 May 2020 12:18

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

Tot Ion: 94 Resp: 2019

Ion Ratio Lower Upper

94 100

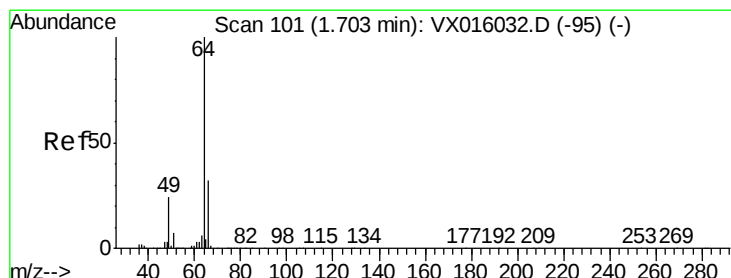
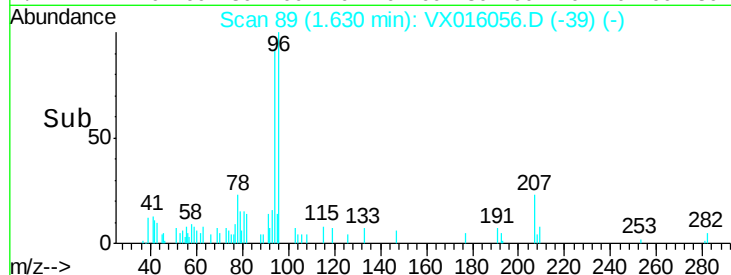
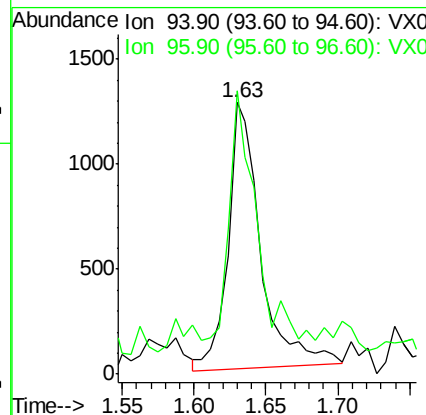
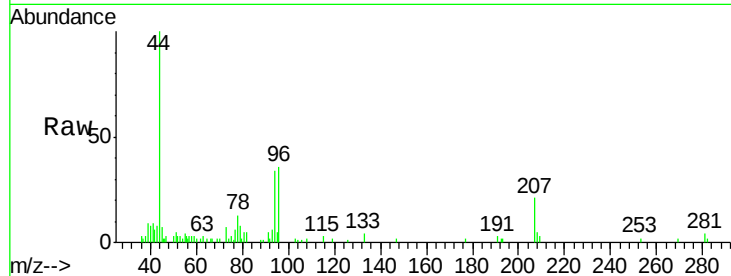
96 89.9 76.9 115.3

Manual Integrations

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#6

Chloroethane

Concen: 0.591 ug/l

RT: 1.71 min Scan# 103

Delta R.T. 0.01 min

Lab File: VX016056.D

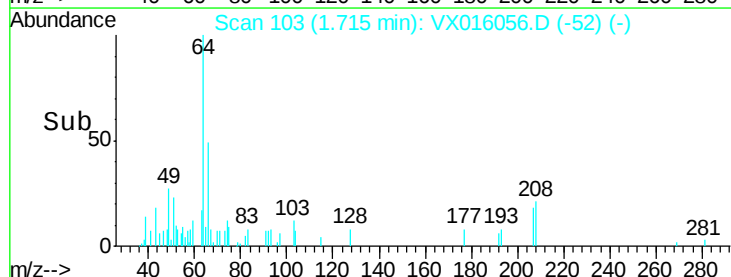
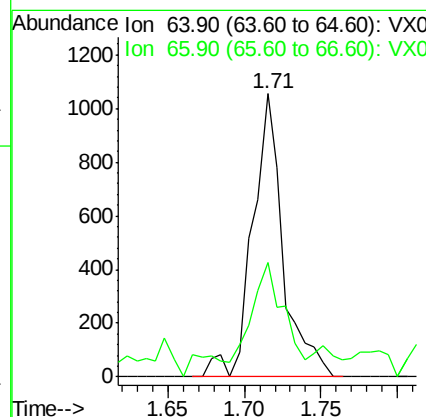
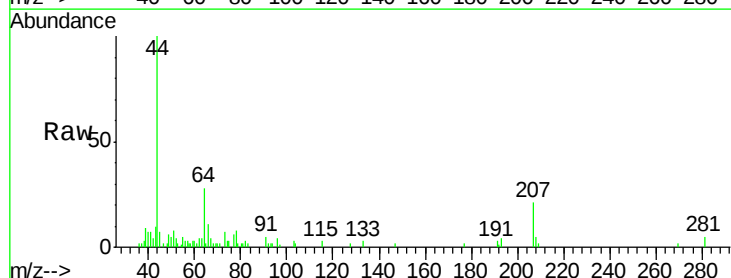
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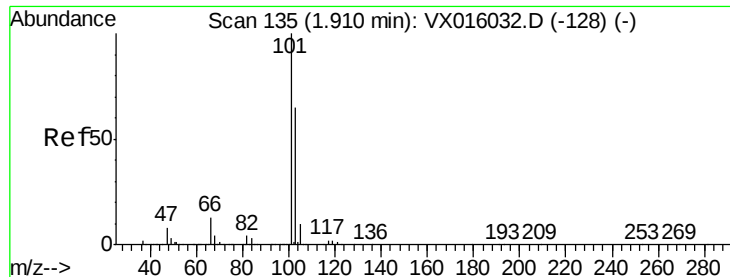
Tgt Ion: 64 Resp: 1463

Ion Ratio Lower Upper

64 100

66 34.3 25.2 37.8





#7

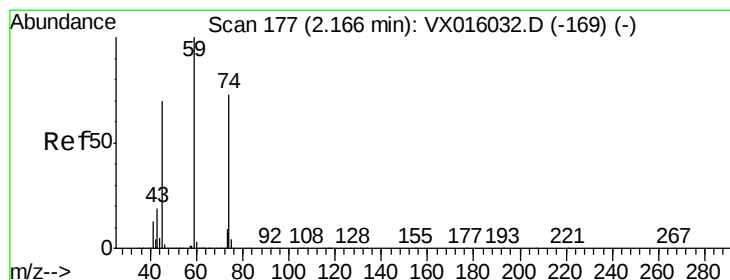
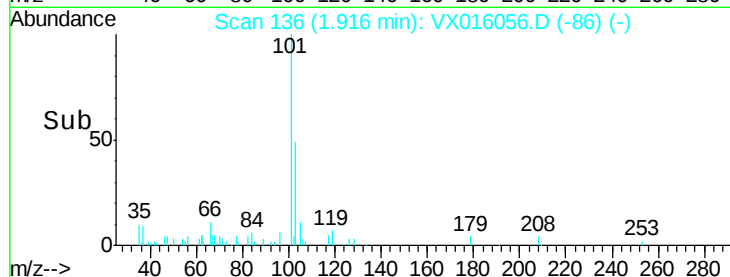
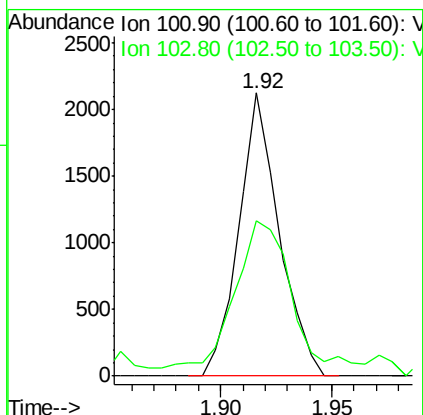
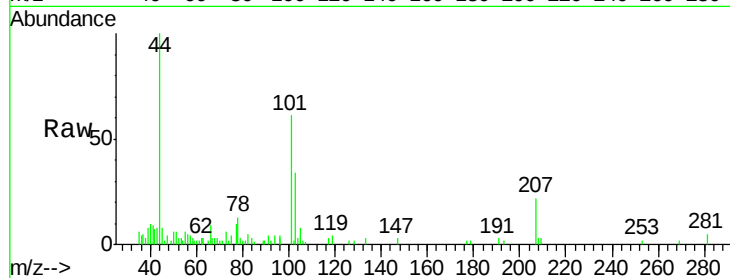
Trichlorofluoromethane
Concen: 0.501 ug/l
RT: 1.92 min Scan# 136
Delta R.T. 0.01 min
Lab File: VX016056.D
Acq: 05 May 2020 12:18

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Tot Ion	Ratio	Lower	Upper
101	100		
103	50.2	51.8	77.6#

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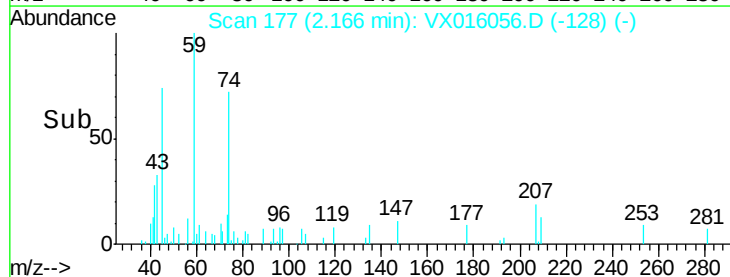
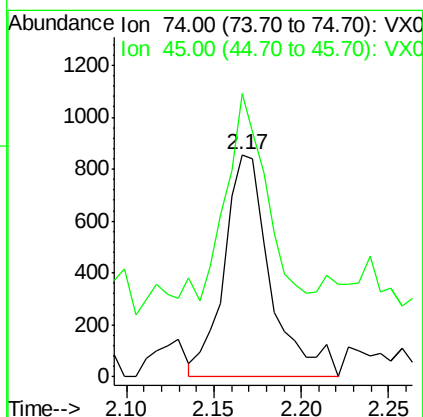
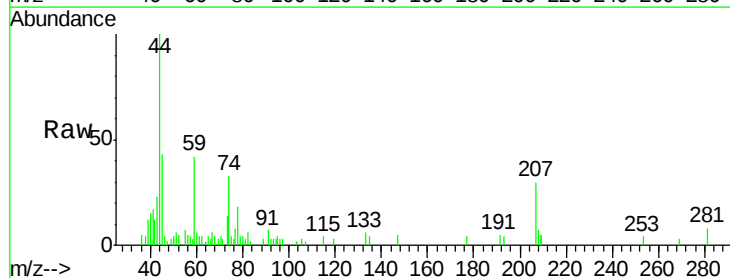
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5/6/2020 12:27:14 PM

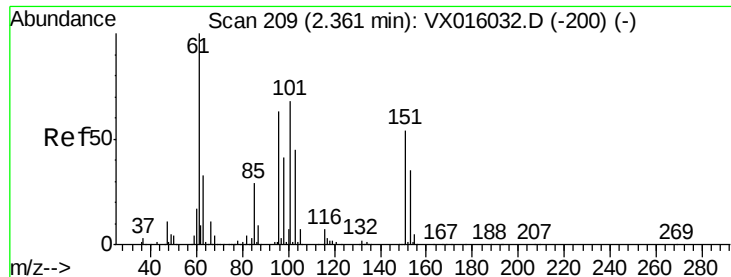


#8

Diethyl Ether
Concen: 0.700 ug/l
RT: 2.17 min Scan# 177
Delta R.T. -0.00 min
Lab File: VX016056.D
Acq: 05 May 2020 12:18

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.1	47.3	142.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.489 ug/l

RT: 2.37 min Scan# 210

Delta R.T. 0.01 min

Lab File: VX016056.D

Acq: 05 May 2020 12:18

Instrument :

MSVOA_X

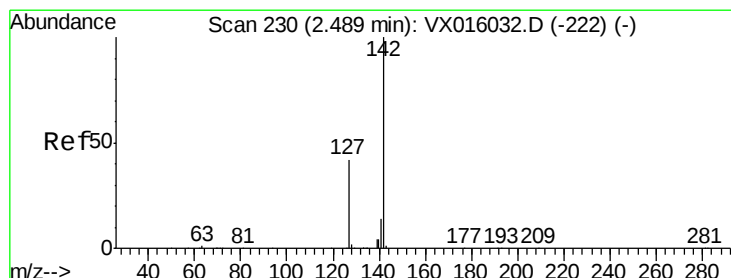
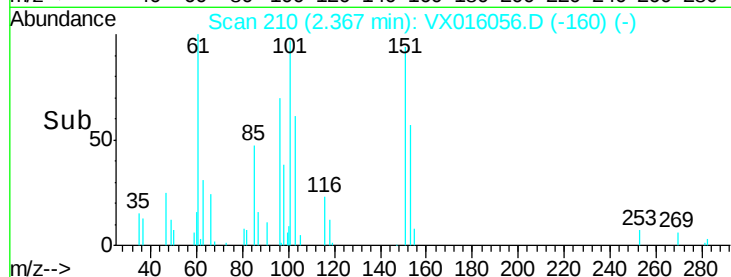
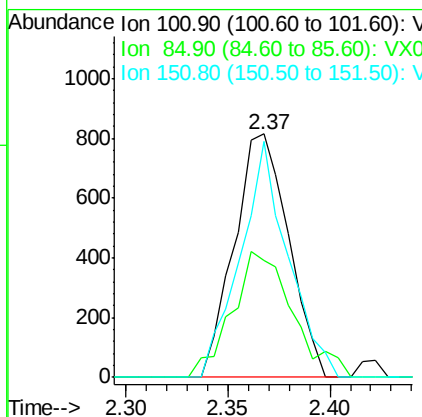
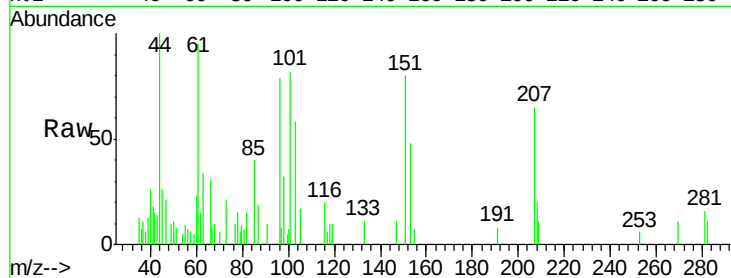
ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

Tot Ion:	101	Resp:	1507
Ion Ratio	Lower	Upper	
101	100		
85	57.9	34.2	51.4#
151	85.6	62.1	93.1

Manual Integrations
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#10

Methyl Iodide

Concen: 0.419 ug/l

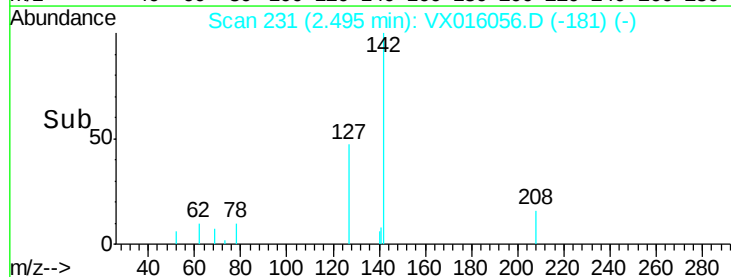
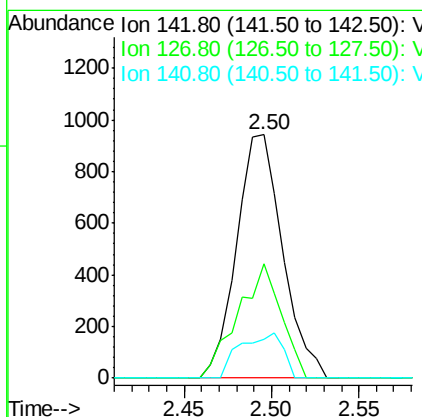
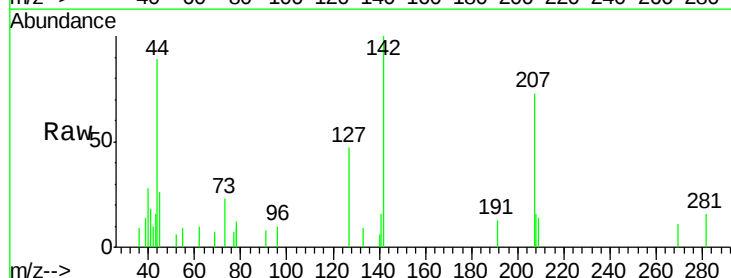
RT: 2.50 min Scan# 231

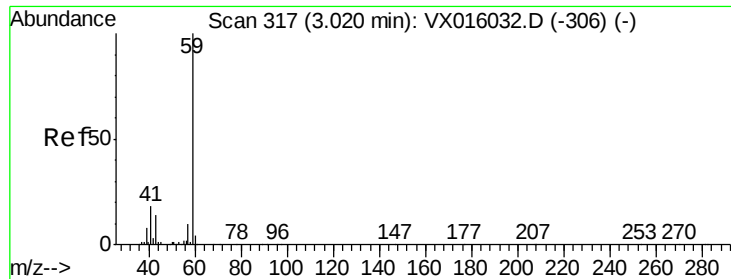
Delta R.T. 0.01 min

Lab File: VX016056.D

Acq: 05 May 2020 12:18

Tgt Ion:	142	Resp:	1733
Ion Ratio	Lower	Upper	
142	100		
127	44.3	34.6	52.0
141	17.4	11.3	16.9#





#11

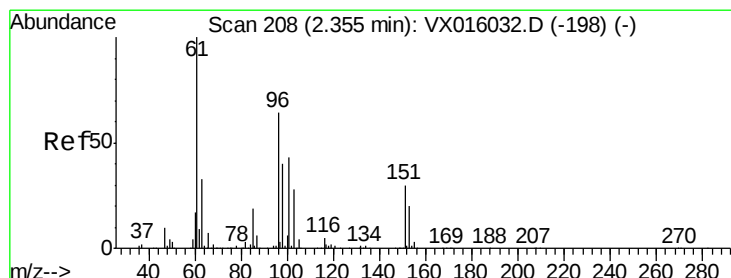
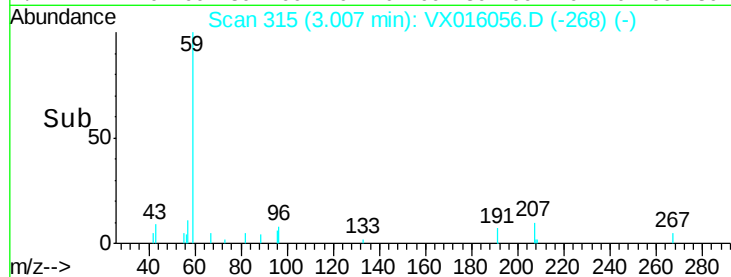
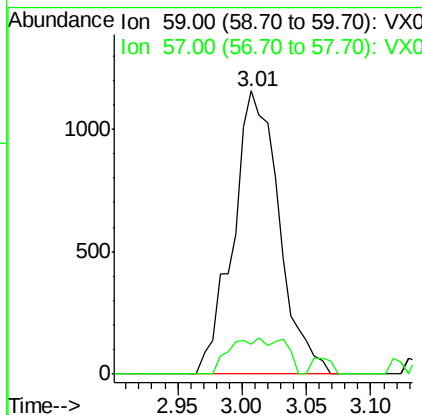
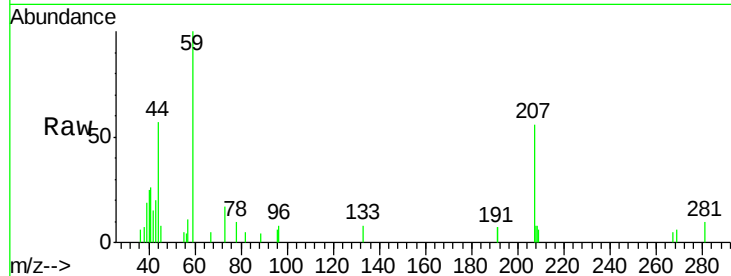
Tert butyl alcohol
Concen: 2.774 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX016056.D
Acq: 05 May 2020 12:18

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
59	100		
57	7.2	8.2	12.4#

Manual Integrations
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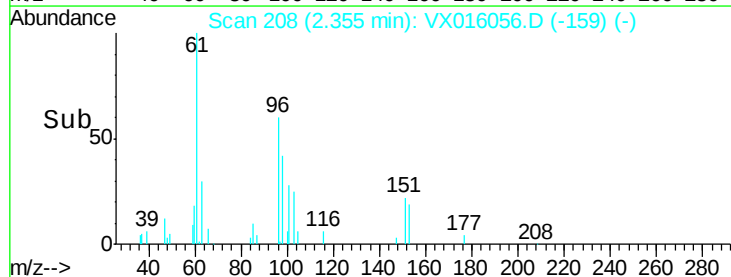
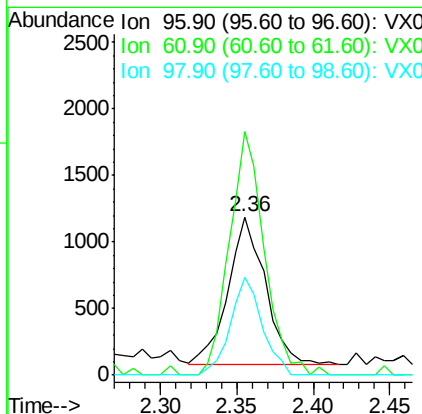
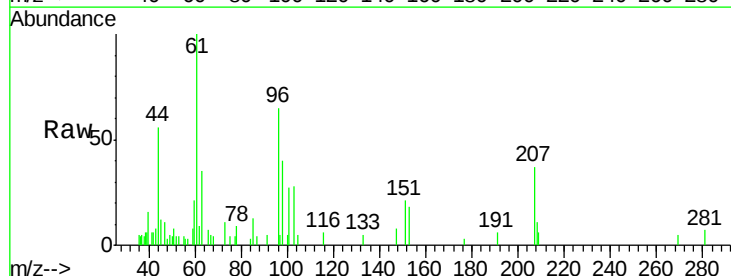
MMDadoda
5/6/2020 12:27:14 PM

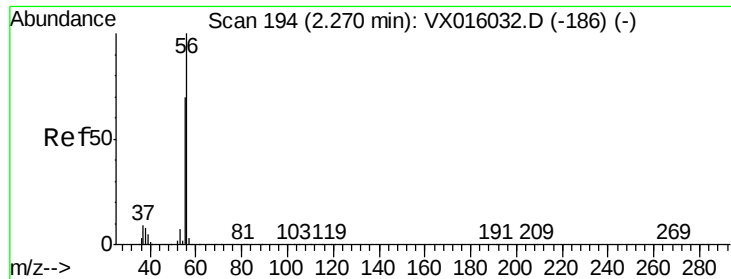


#12

1,1-Dichloroethene
Concen: 0.582 ug/l
RT: 2.36 min Scan# 208
Delta R.T. -0.00 min
Lab File: VX016056.D
Acq: 05 May 2020 12:18

Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.0	124.8	187.2
98	66.5	49.7	74.5





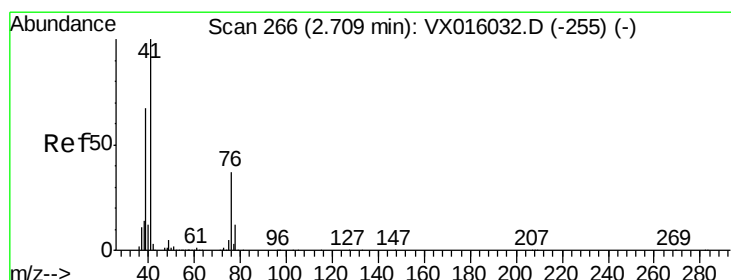
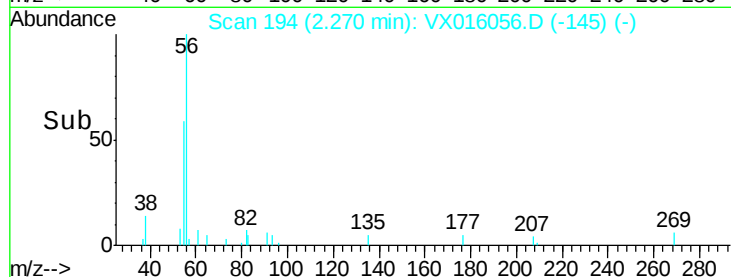
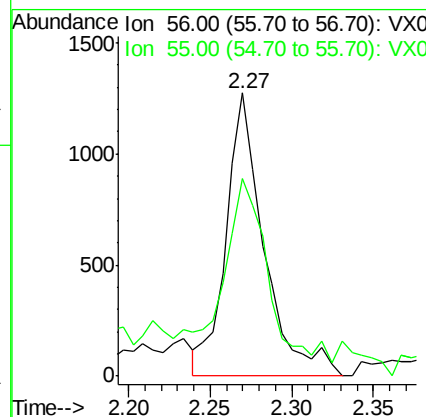
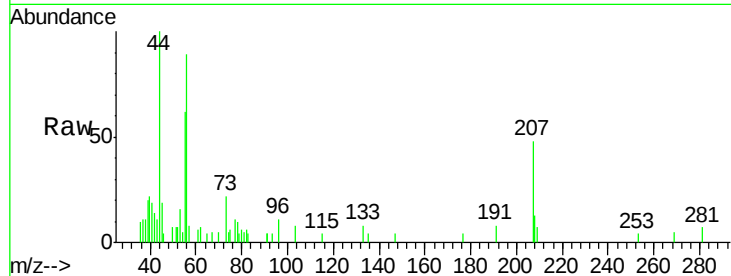
#13
Acrolein
Concen: 3.199 ug/l
RT: 2.27 min Scan# 194
Delta R.T. -0.00 min
Lab File: VX016056.D
Acq: 05 May 2020 12:18

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
56	100		
55	63.2	56.5	84.7

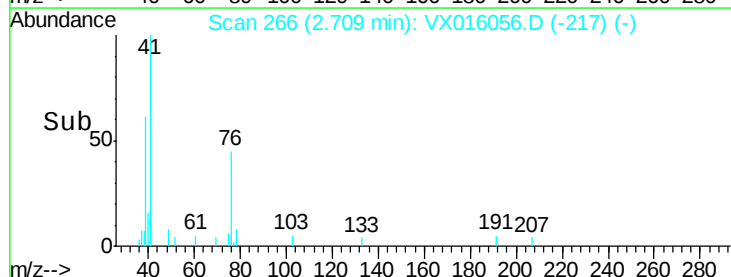
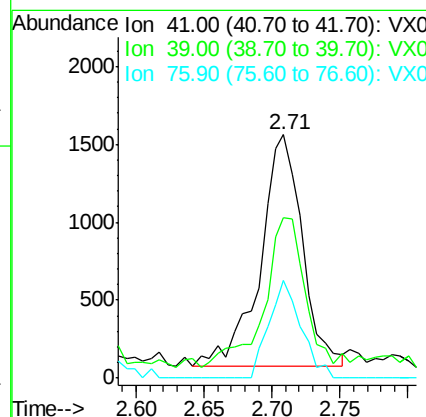
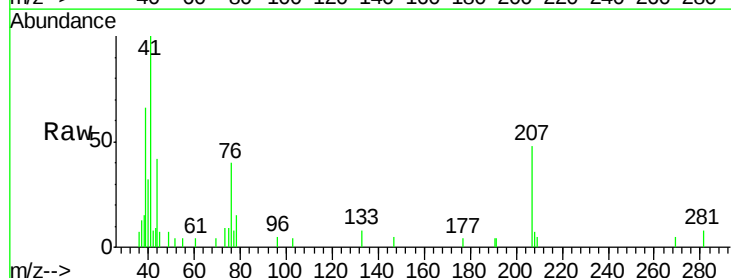
Manual Integrations
APPROVED

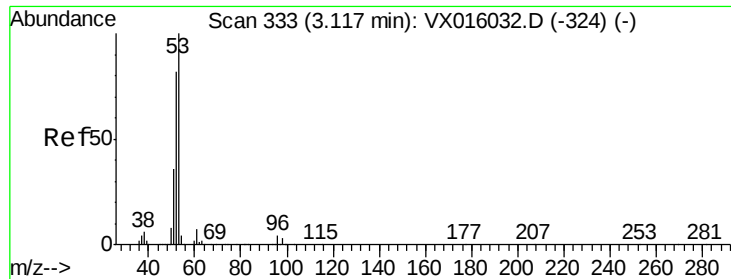
MMDadoda
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#14
Allyl chloride
Concen: 0.549 ug/l
RT: 2.71 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX016056.D
Acq: 05 May 2020 12:18

Tgt Ion	Ratio	Lower	Upper
41	100		
39	62.1	50.5	75.7
76	31.9	26.6	40.0





#15

Acrylonitrile

Concen: 2.565 ug/l

RT: 3.12 min Scan# 333

Delta R.T. -0.00 min

Lab File: VX016056.D

Acq: 05 May 2020 12:18

Instrument :

MSVOA_X

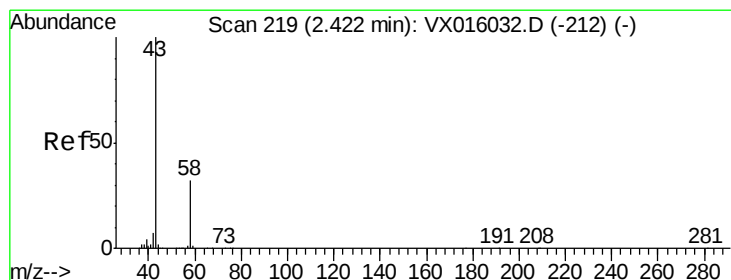
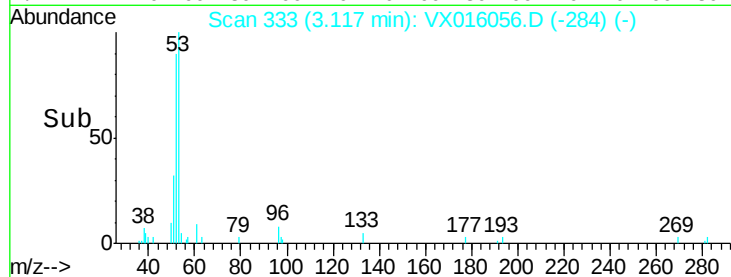
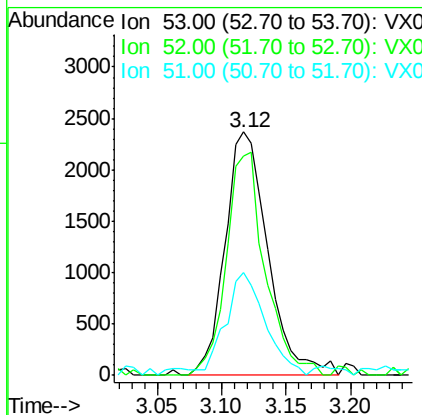
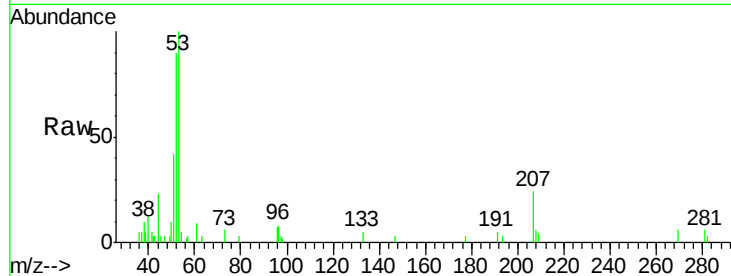
ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

Tot Ion:	53	Resp:	5496
Ion	Ratio	Lower	Upper
53	100		
52	83.6	66.1	99.1
51	39.5	28.8	43.2

Manual Integrations
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#16

Acetone

Concen: 3.520 ug/l

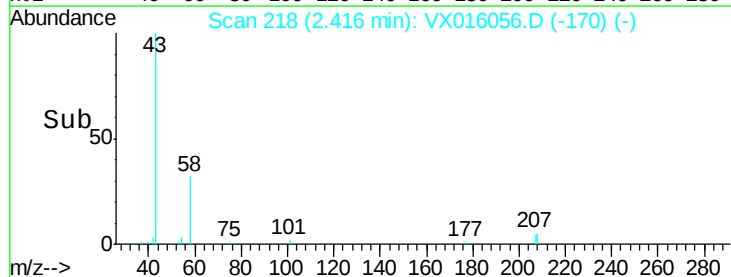
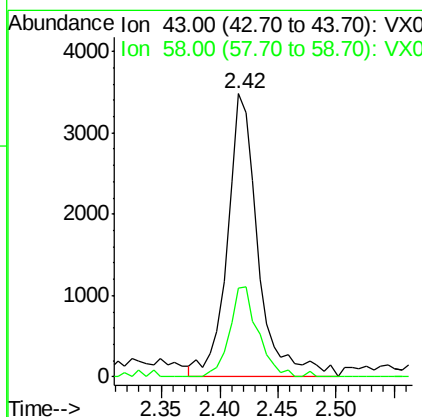
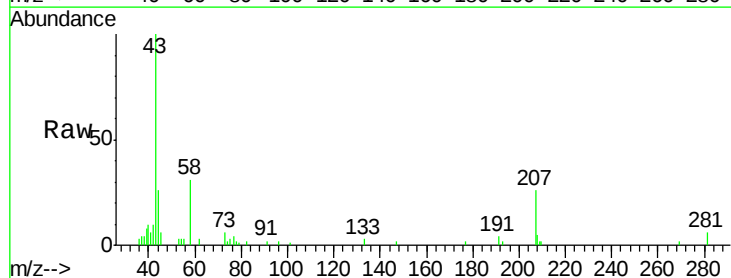
RT: 2.42 min Scan# 218

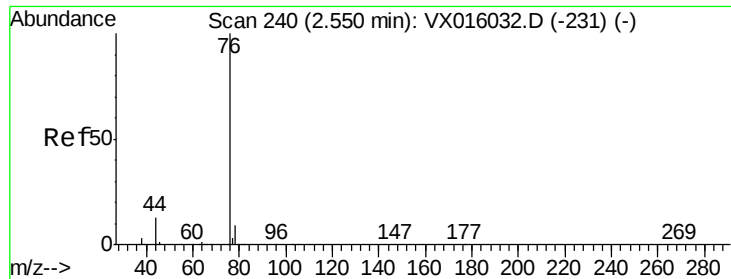
Delta R.T. -0.01 min

Lab File: VX016056.D

Acq: 05 May 2020 12:18

Tgt Ion:	43	Resp:	6414
Ion	Ratio	Lower	Upper
43	100		
58	31.5	25.4	38.0





#17

Carbon Disulfide

Concen: 0.668 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX016056.D

Acq: 05 May 2020 12:18

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

Tot Ion: 76 Resp: 7334

Ion Ratio Lower Upper

76 100

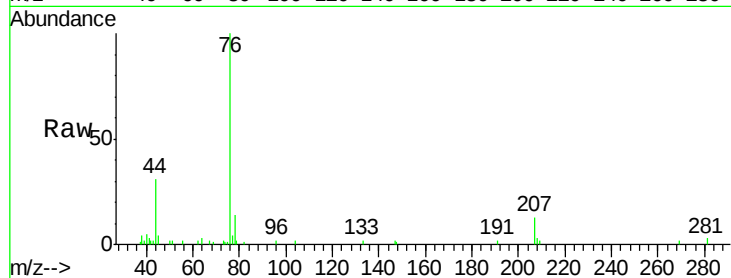
78 12.1 7.5 11.3#

Manual Integrations

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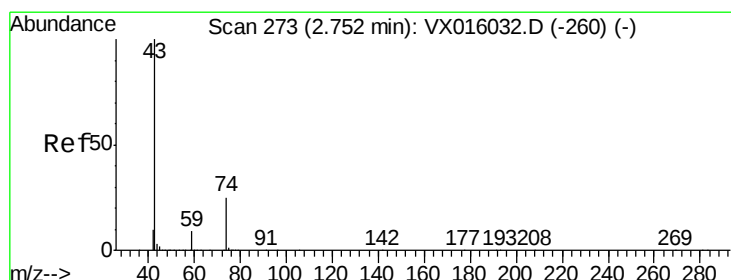
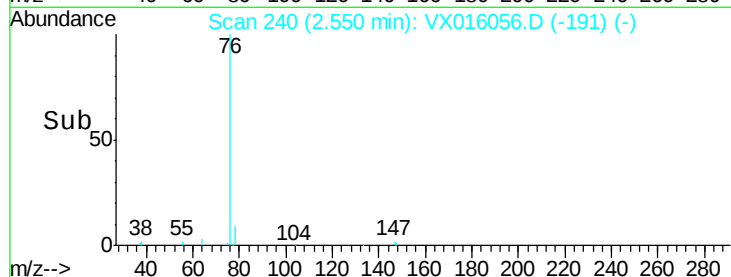
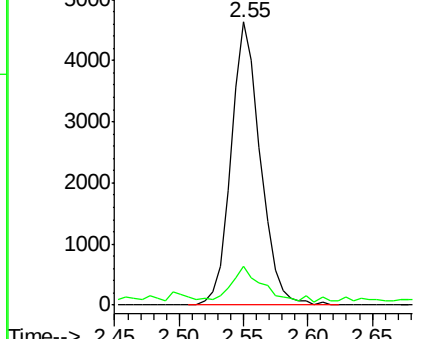
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 0.546 ug/l

RT: 2.75 min Scan# 272

Delta R.T. -0.01 min

Lab File: VX016056.D

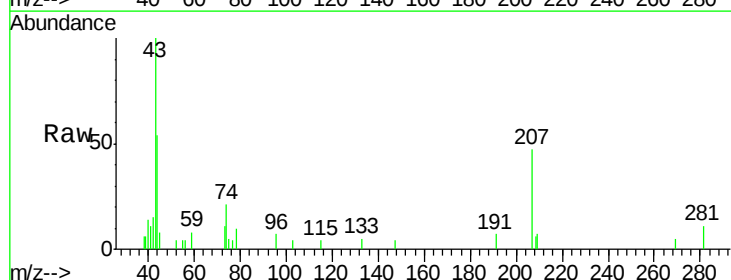
Acq: 05 May 2020 12:18

Tgt Ion: 43 Resp: 2447

Ion Ratio Lower Upper

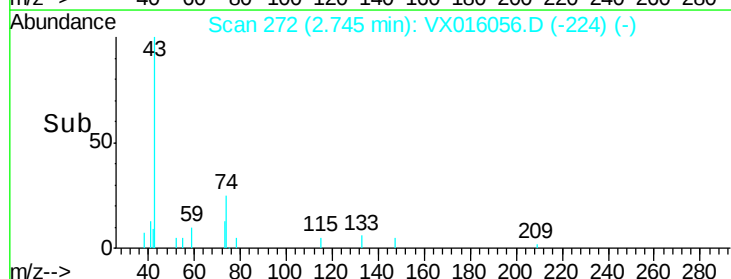
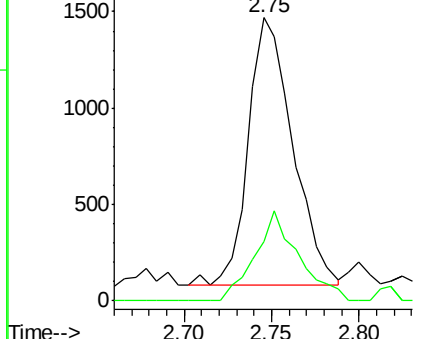
43 100

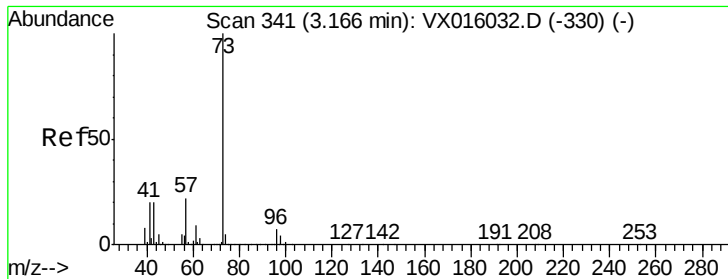
74 33.2 20.2 30.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#19

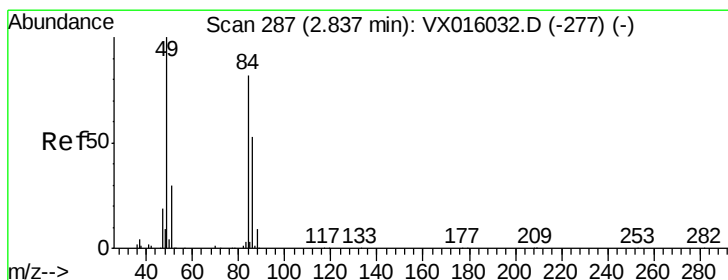
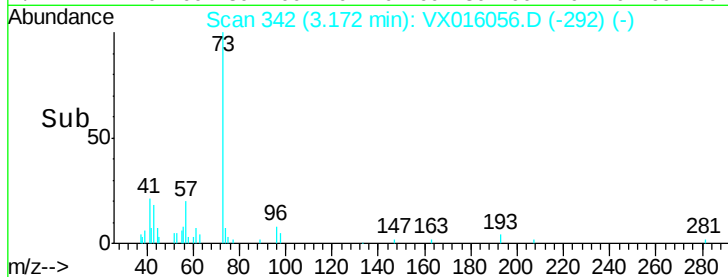
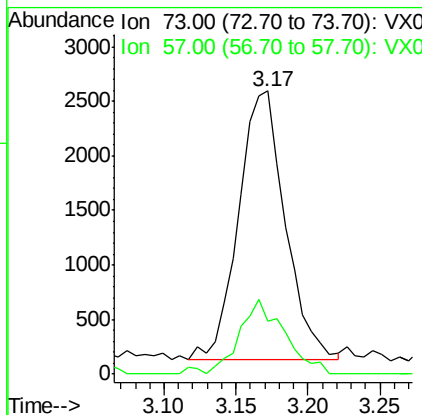
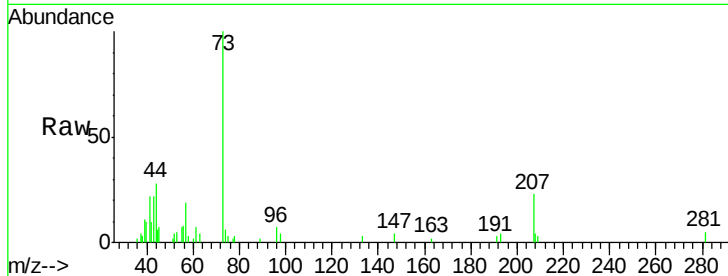
Methyl tert-butyl Ether
 Concen: 0.495 ug/l
 RT: 3.17 min Scan# 342
 Delta R.T. 0.01 min
 Lab File: VX016056.D
 Acq: 05 May 2020 12:18

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.0	17.8	26.6

Manual Integrations
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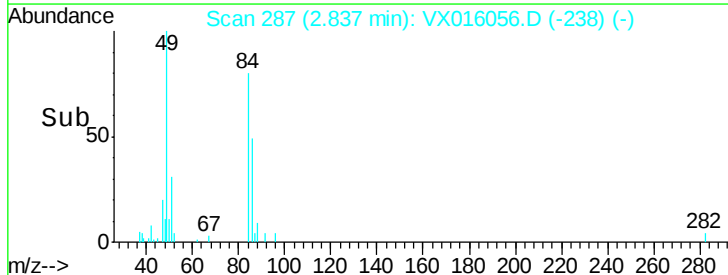
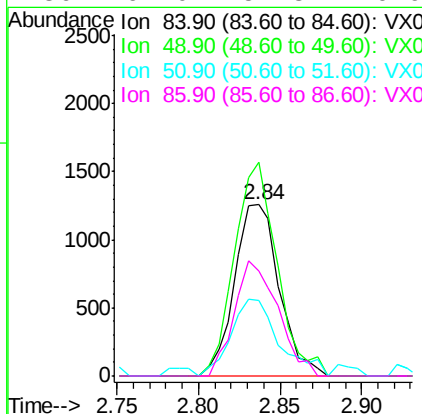
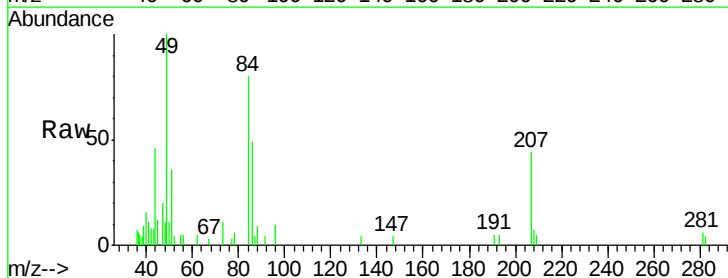
MMDadoda
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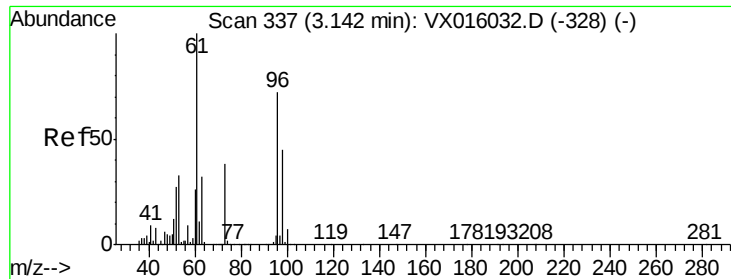


#20

Methylene Chloride
 Concen: 0.640 ug/l
 RT: 2.84 min Scan# 287
 Delta R.T. -0.00 min
 Lab File: VX016056.D
 Acq: 05 May 2020 12:18

Tgt Ion	Ratio	Lower	Upper
84	100		
49	124.6	97.3	145.9
51	39.8	29.3	43.9
86	61.0	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 0.720 ug/l

RT: 3.15 min Scan# 339

Delta R.T. 0.01 min

Lab File: VX016056.D

Acq: 05 May 2020 12:18

Instrument :

MSVOA_X

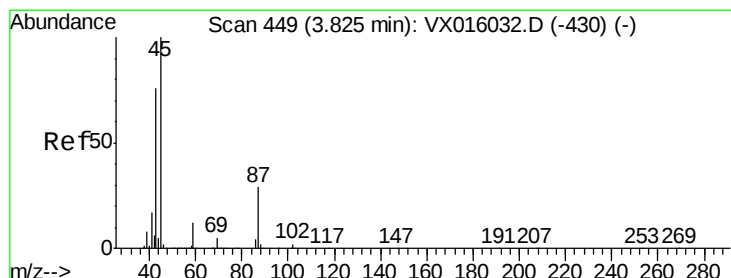
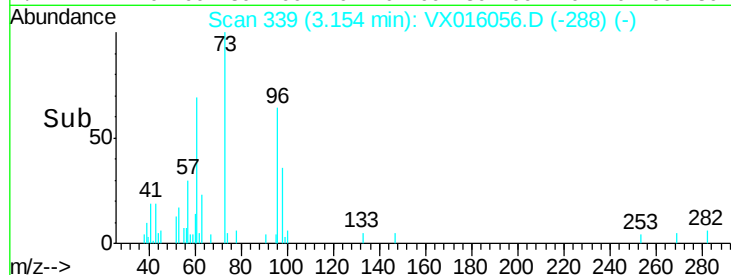
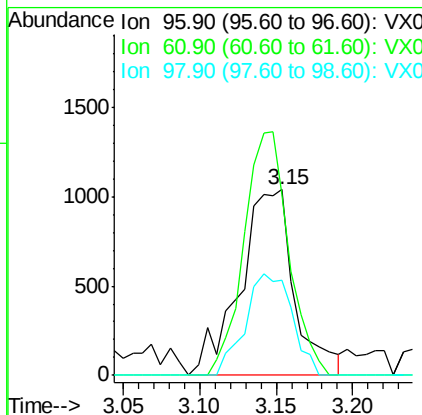
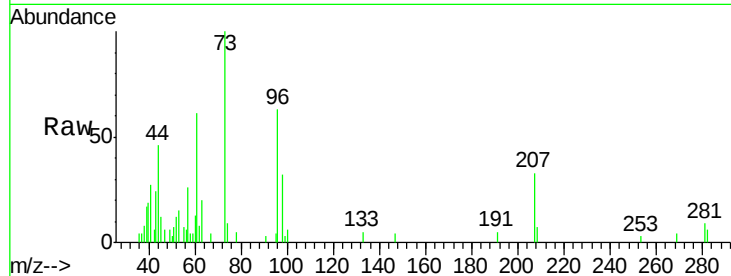
ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

Tot Ion:	96	Resp:	2588
Ion	Ratio	Lower	Upper
96	100		
61	97.7	111.2	166.8#
98	51.0	50.2	75.4

Manual Integrations
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5/6/2020 12:27:14 PM



#22

Diisopropyl ether

Concen: 0.552 ug/l

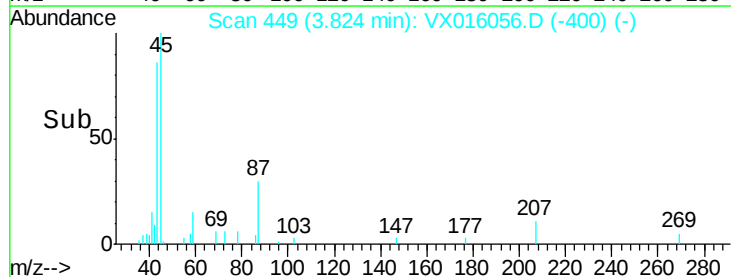
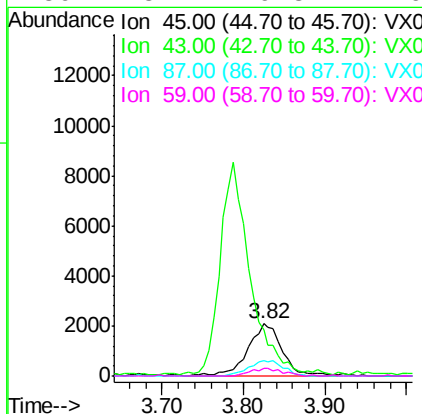
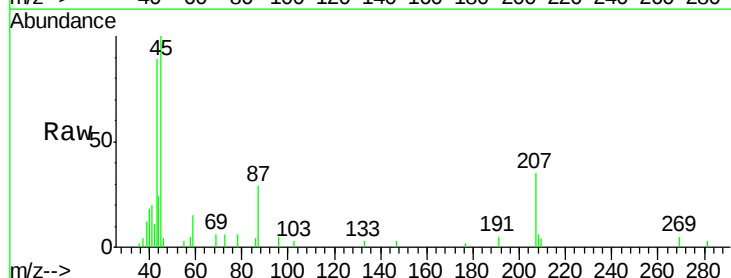
RT: 3.82 min Scan# 449

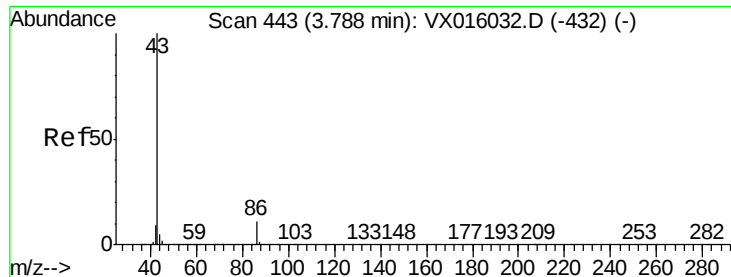
Delta R.T. -0.00 min

Lab File: VX016056.D

Acq: 05 May 2020 12:18

Tgt Ion:	45	Resp:	6162
Ion	Ratio	Lower	Upper
45	100		
43	82.4	61.1	91.7
87	29.3	23.0	34.6
59	15.1	9.8	14.6#





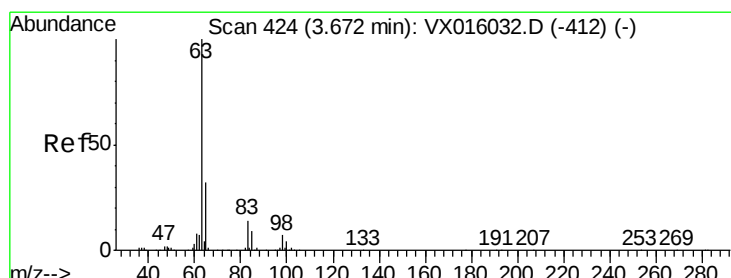
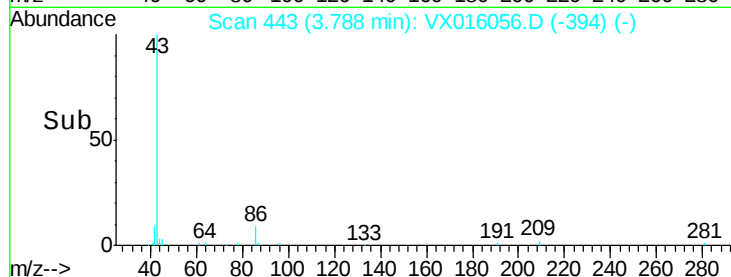
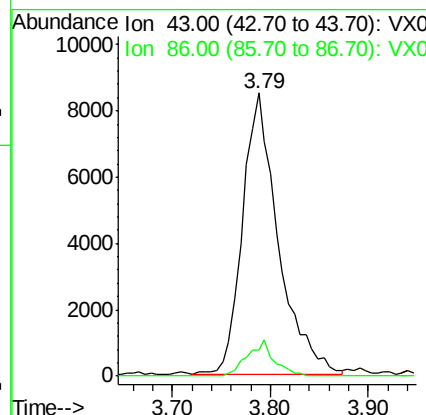
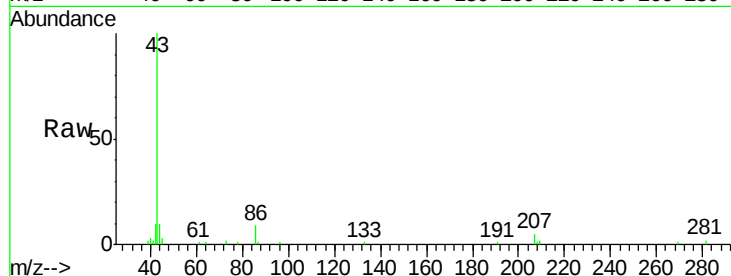
#23
 Vinyl Acetate
 Concen: 2.189 ug/l
 RT: 3.79 min Scan# 443
 Delta R.T. -0.00 min
 Lab File: VX016056.D
 Acq: 05 May 2020 12:18

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
43	100		
86	9.3	9.0	13.4

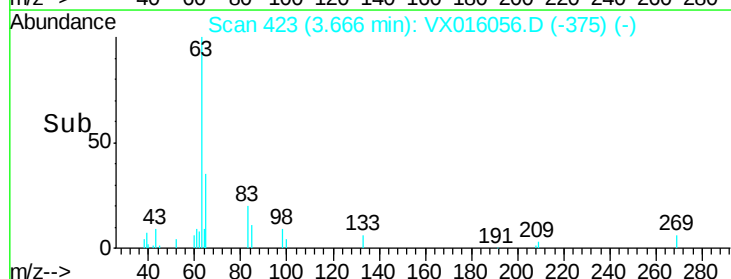
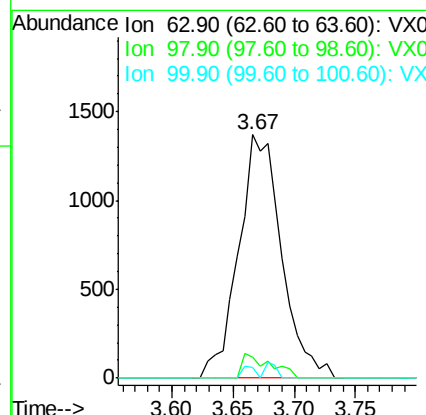
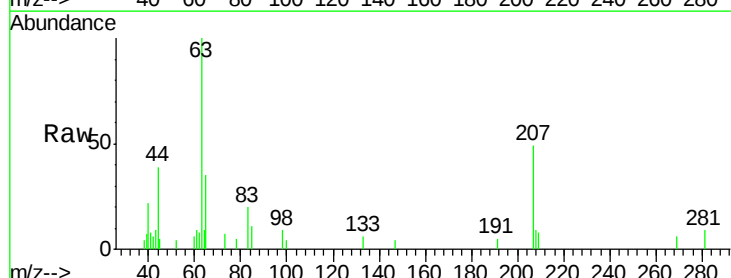
Manual Integrations
 APPROVED

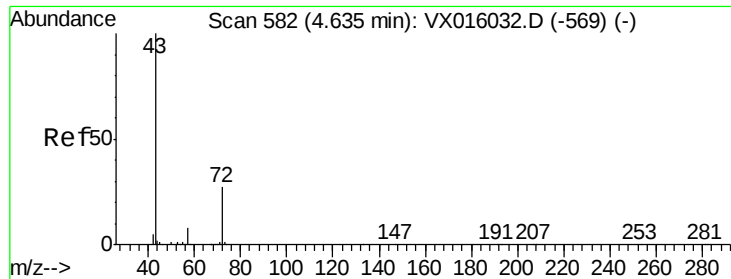
MMDadoda
 5/6/2020 12:27:14 PM



#24
 1,1-Dichloroethane
 Concen: 0.536 ug/l
 RT: 3.67 min Scan# 423
 Delta R.T. -0.01 min
 Lab File: VX016056.D
 Acq: 05 May 2020 12:18

Tgt Ion	Ratio	Lower	Upper
63	100		
98	8.5	3.5	10.5
100	4.2	2.1	6.5





#25

2-Butanone

Concen: 2.585 ug/l

RT: 4.64 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX016056.D

Acq: 05 May 2020 12:18

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

Tot Ion: 43 Resp: 7589

Ion Ratio Lower Upper

43 100

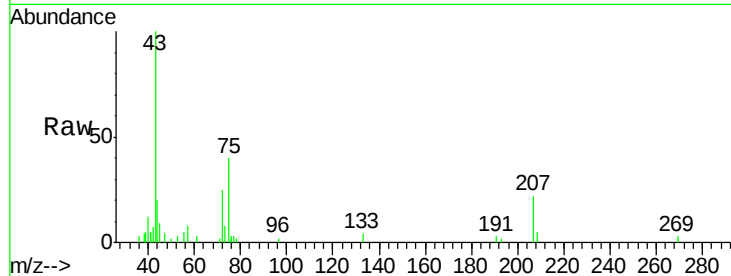
72 26.0 21.8 32.8

Manual Integrations

APPROVED

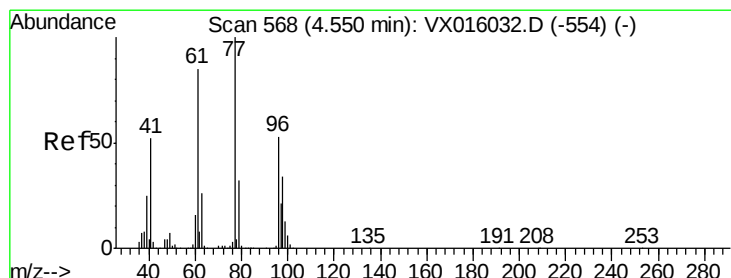
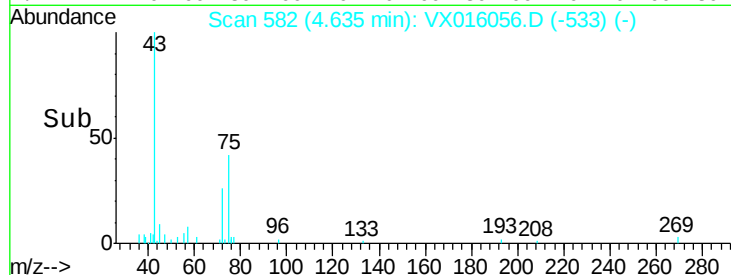
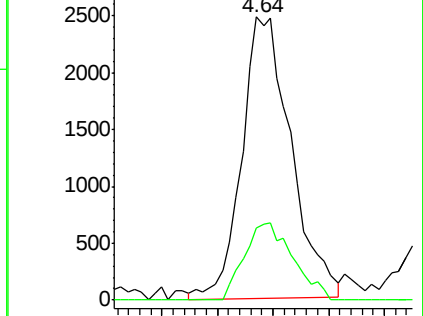
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 0.545 ug/l

RT: 4.55 min Scan# 568

Delta R.T. -0.00 min

Lab File: VX016056.D

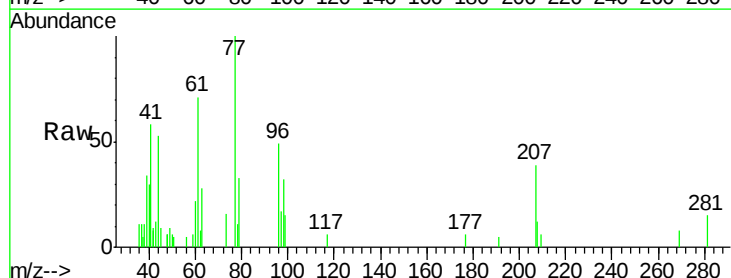
Acq: 05 May 2020 12:18

Tgt Ion: 77 Resp: 3108

Ion Ratio Lower Upper

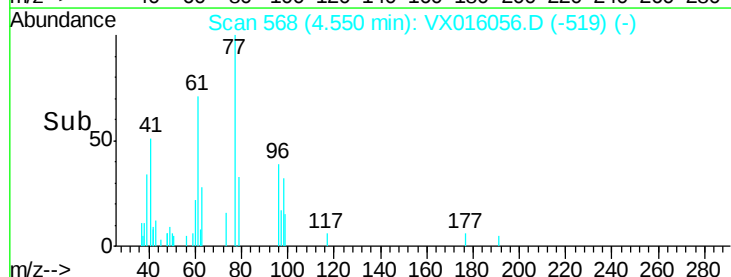
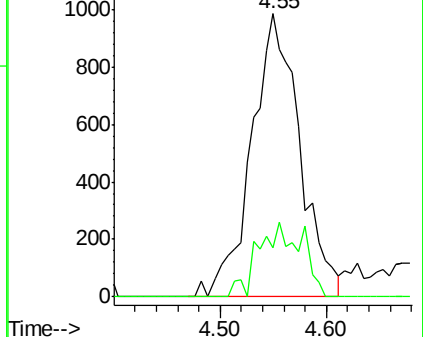
77 100

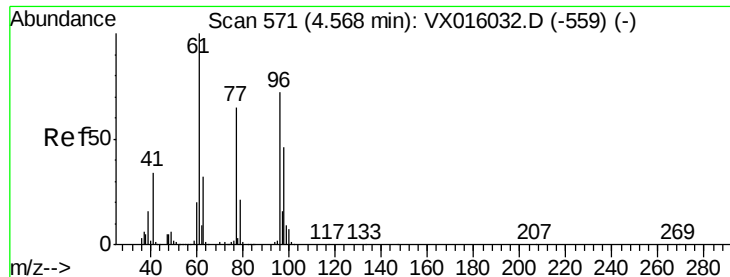
97 23.7 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

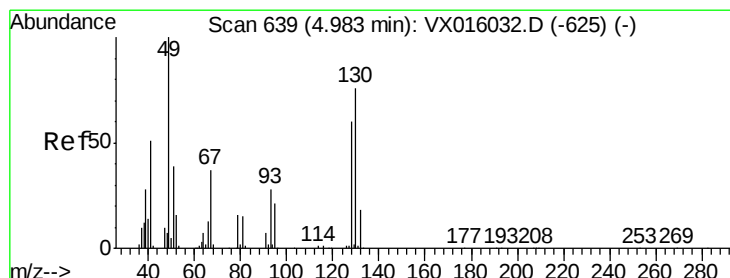
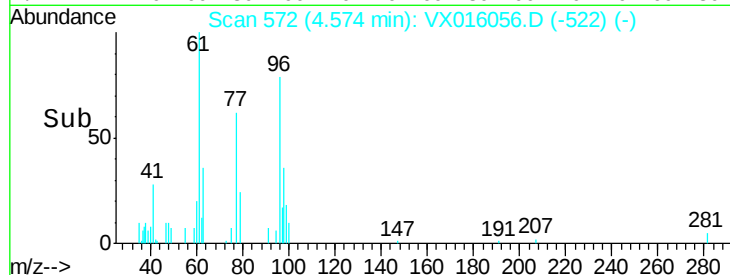
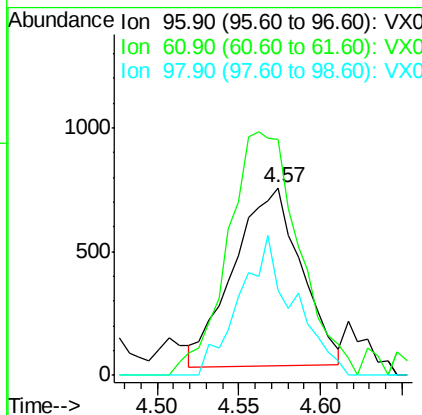
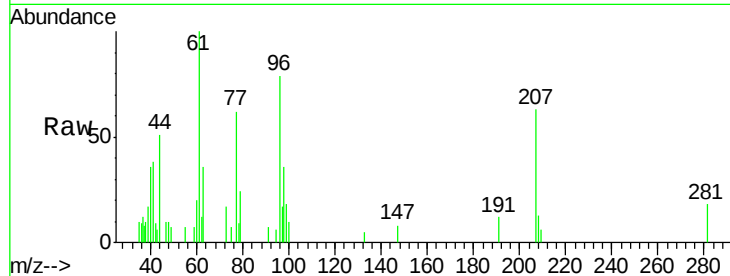
cis-1,2-Dichloroethene
Concen: 0.528 ug/l
RT: 4.57 min Scan# 572
Delta R.T. 0.01 min
Lab File: VX016056.D
Acq: 05 May 2020 12:18

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.3	0.0	296.2
98	63.0	0.0	129.4

Manual Integrations
APPROVED

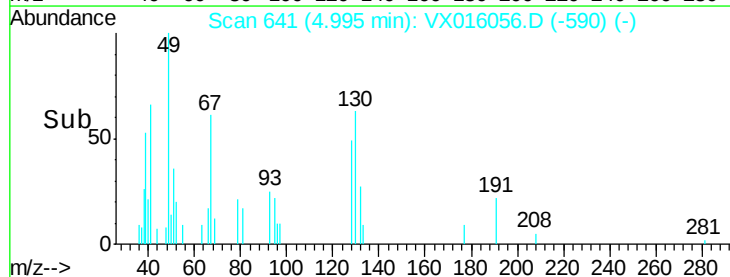
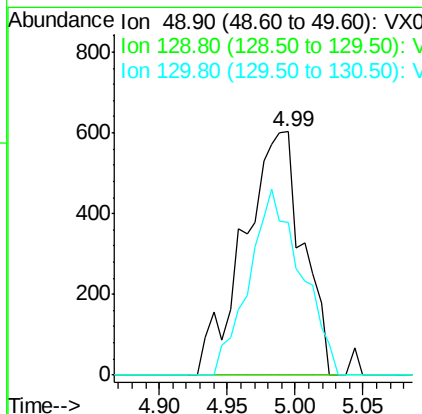
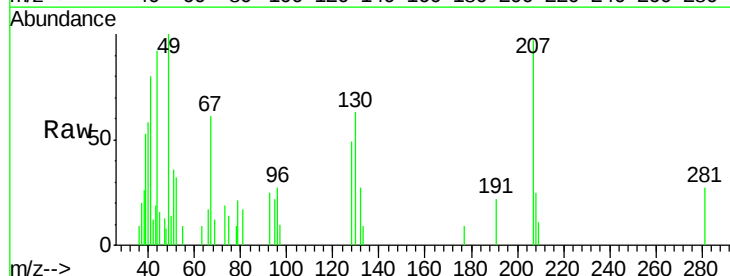
MMDadoda
5/6/2020 12:27:14 PM

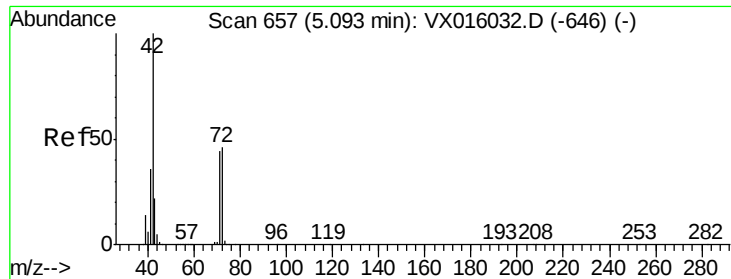


#28

Bromochloromethane
Concen: 0.638 ug/l
RT: 4.99 min Scan# 641
Delta R.T. 0.01 min
Lab File: VX016056.D
Acq: 05 May 2020 12:18

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.0
130	67.9	62.4	93.6





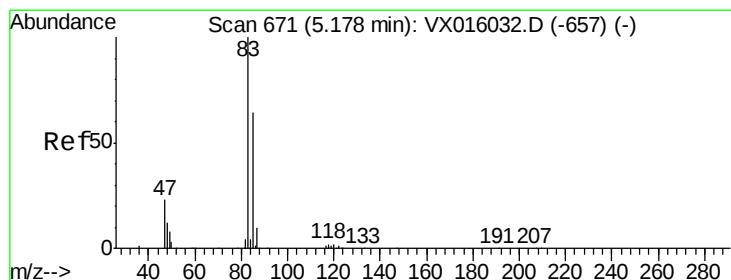
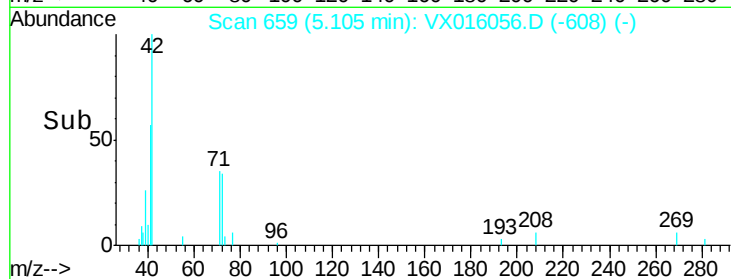
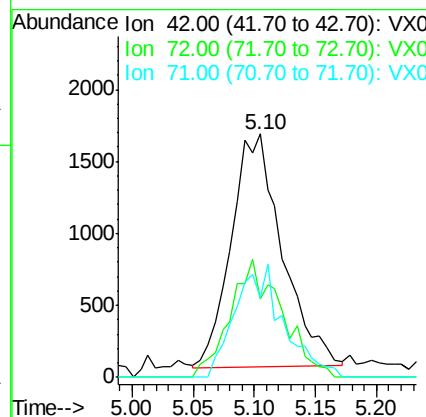
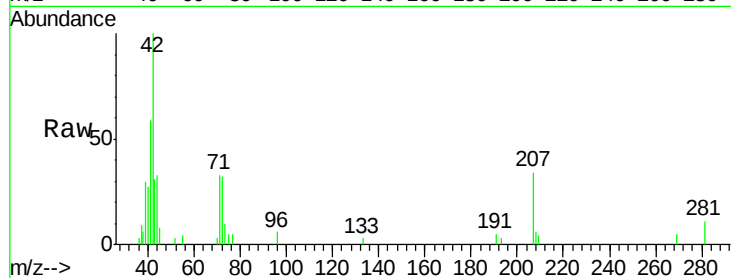
#29
Tetrahydrofuran
Concen: 2.420 ug/l
RT: 5.10 min Scan# 659
Delta R.T. 0.01 min
Lab File: VX016056.D
Acq: 05 May 2020 12:18

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.6	37.1	55.7
71	45.2	34.5	51.7

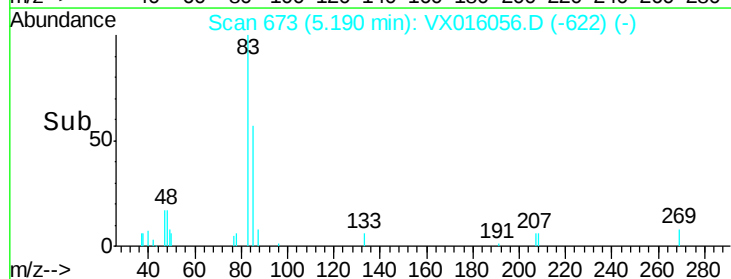
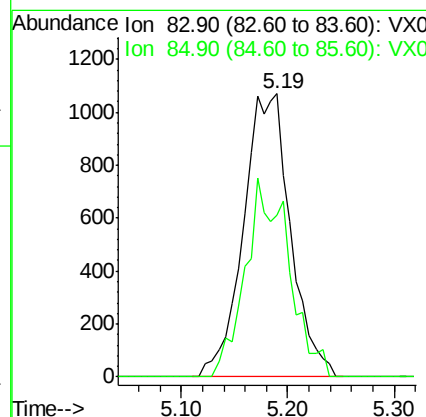
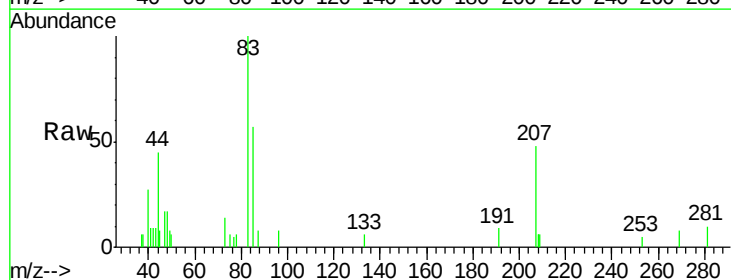
Manual Integrations
APPROVED

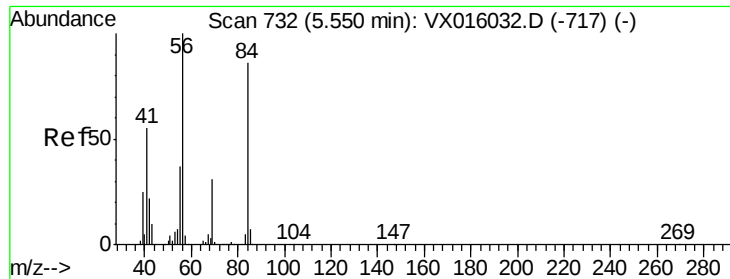
MMDadoda
5/6/2020 12:27:14 PM



#30
Chloroform
Concen: 0.534 ug/l
RT: 5.19 min Scan# 673
Delta R.T. 0.01 min
Lab File: VX016056.D
Acq: 05 May 2020 12:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	57.1	51.6	77.4





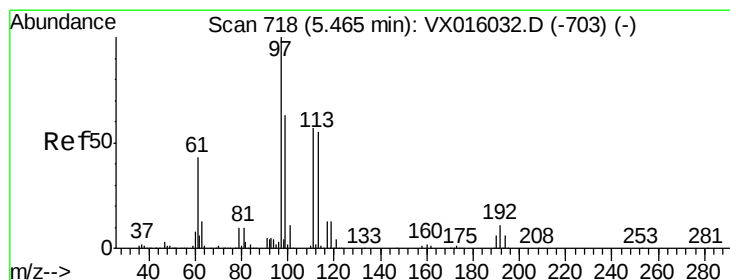
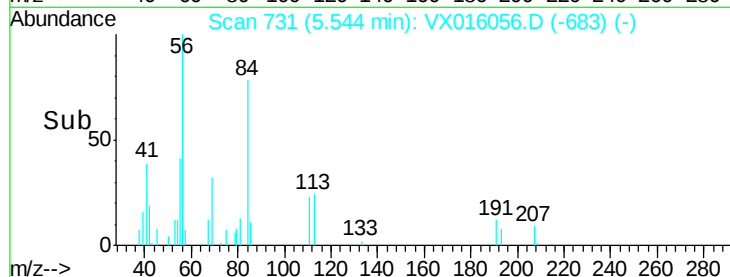
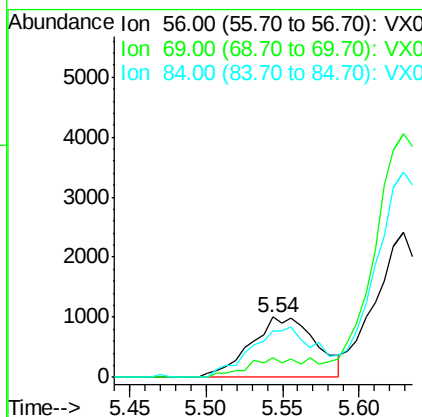
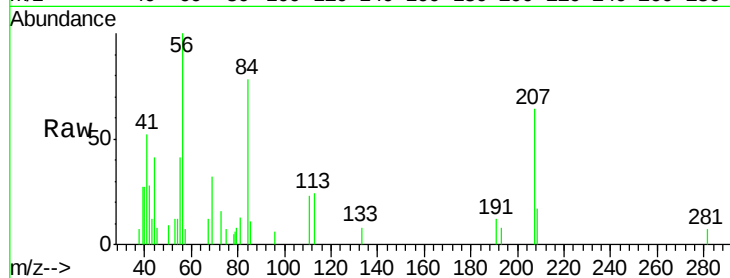
#31
Cvclohexane
Concen: 0.527 ug/l
RT: 5.54 min Scan# 731
Delta R.T. -0.01 min
Lab File: VX016056.D
Acq: 05 May 2020 12:18

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.9	25.0	37.6
84	78.2	69.0	103.6

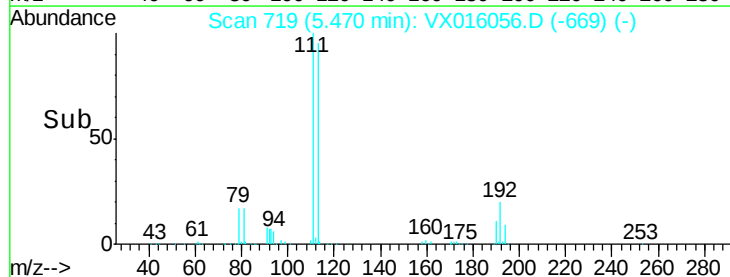
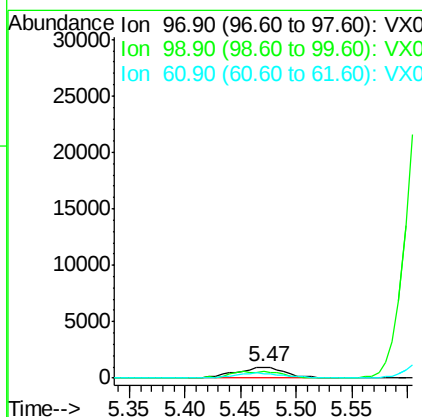
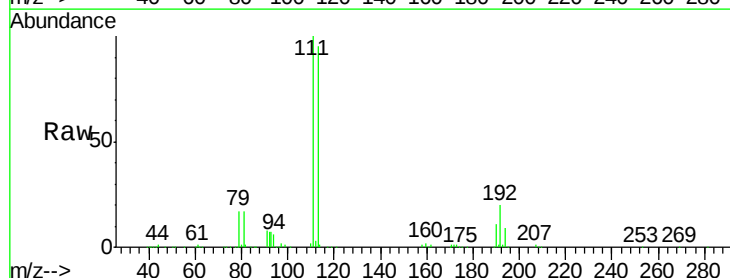
Manual Integrations
APPROVED

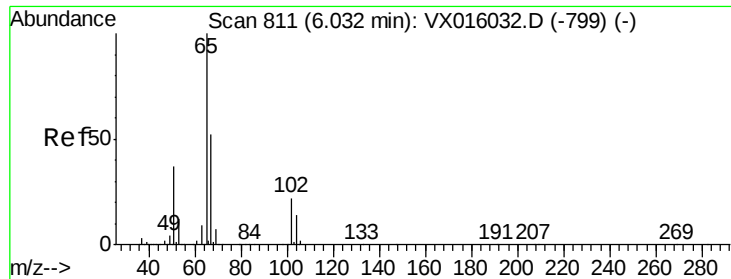
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 0.535 ug/l
RT: 5.47 min Scan# 719
Delta R.T. 0.01 min
Lab File: VX016056.D
Acq: 05 May 2020 12:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.0	76.4#
61	45.6	34.5	51.7





#33

1,2-Dichloroethane-d4

Concen: 46.668 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX016056.D

Acq: 05 May 2020 12:18

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

Tot Ion: 65 Resp: 190578

Ion Ratio Lower Upper

65 100

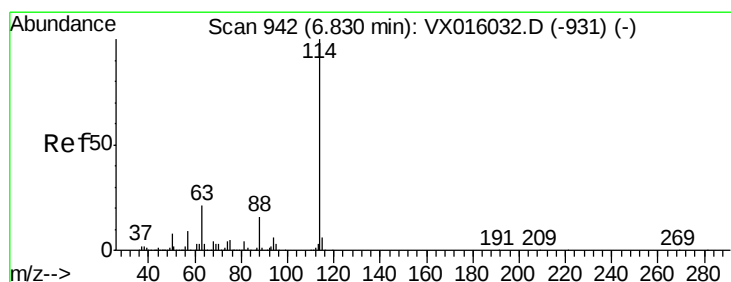
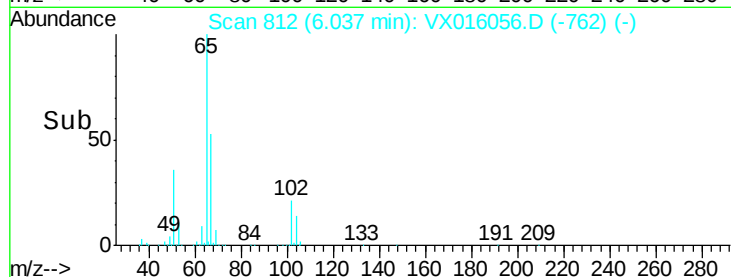
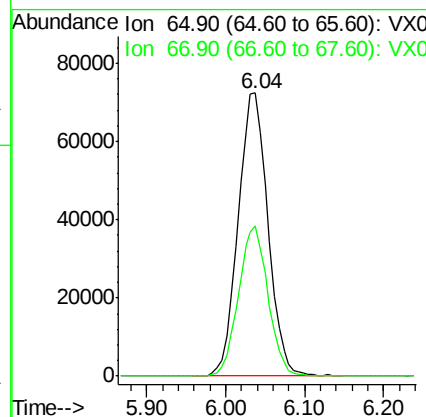
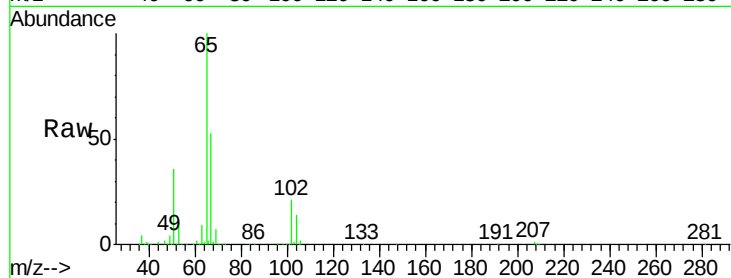
67 52.2 0.0 104.8

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016056.D

Acq: 05 May 2020 12:18

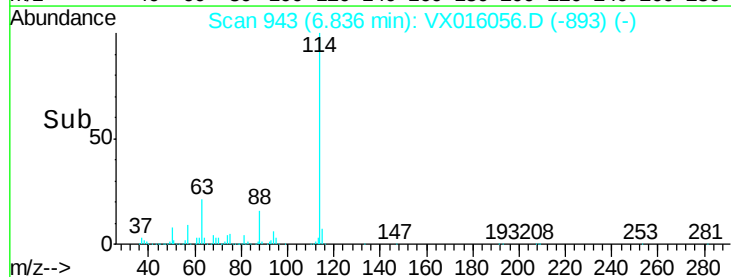
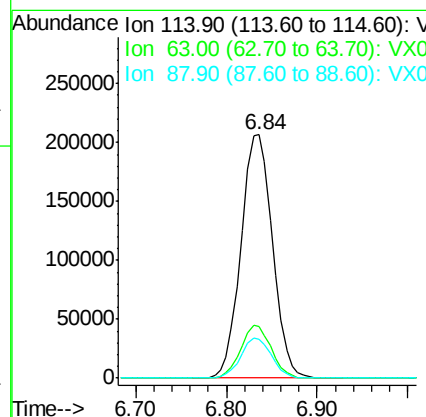
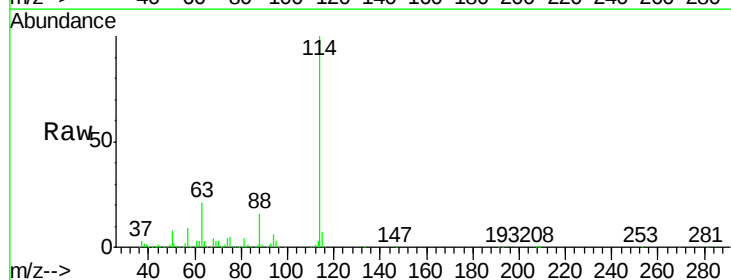
Tgt Ion: 114 Resp: 498086

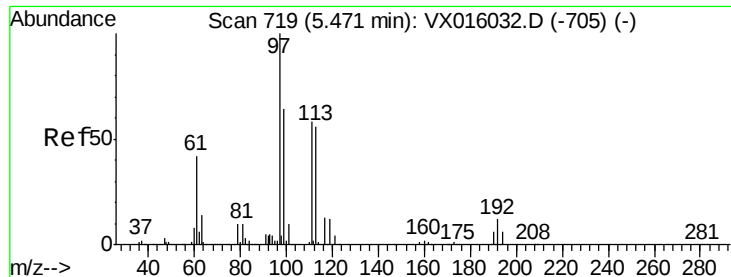
Ion Ratio Lower Upper

114 100

63 21.4 0.0 42.8

88 16.1 0.0 31.4





#35

Dibromofluoromethane

Concen: 44.829 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX016056.D

Acq: 05 May 2020 12:18

Instrument :

MSVOA_X

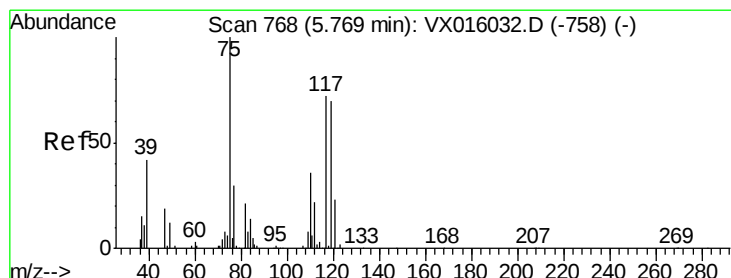
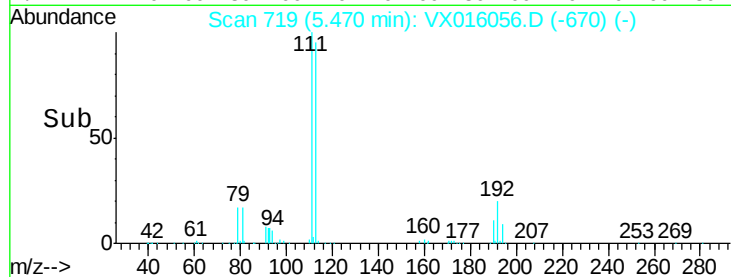
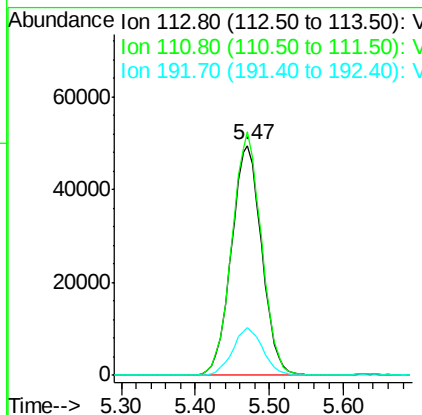
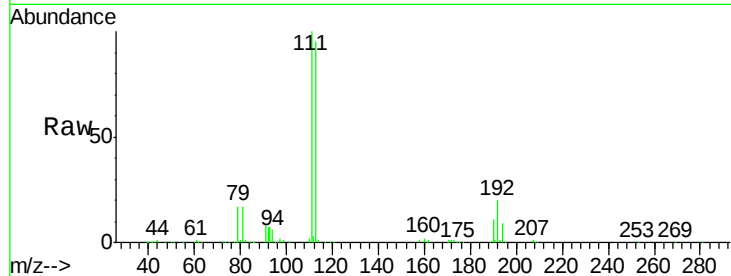
ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

Tot Ion:	113	Resp:	141463
Ion Ratio	Lower	Upper	
113	100		
111	103.0	81.6	122.4
192	20.6	17.0	25.4

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 0.560 ug/l

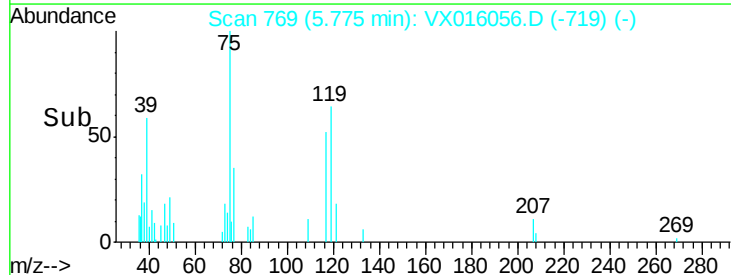
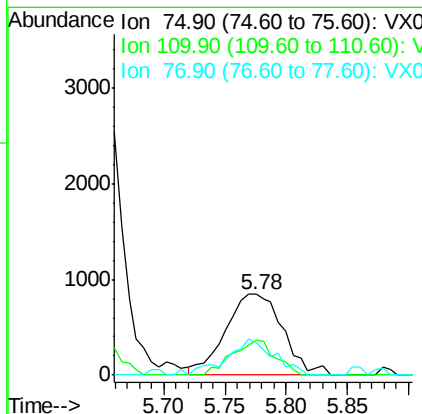
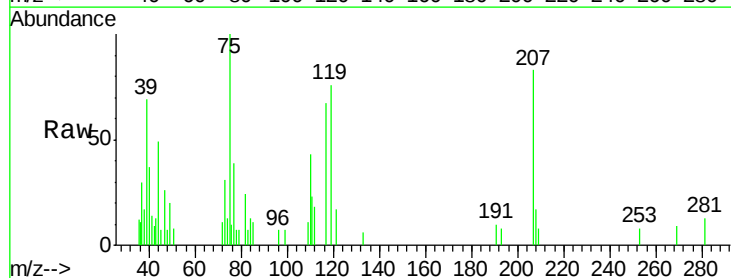
RT: 5.78 min Scan# 769

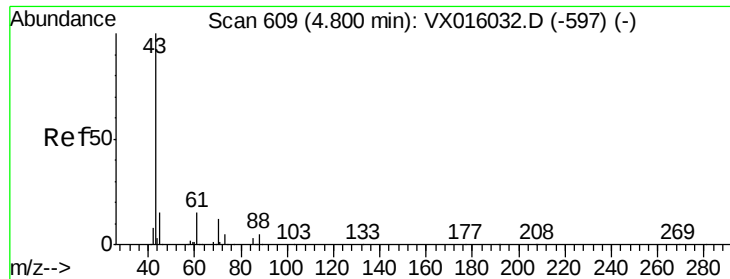
Delta R.T. 0.01 min

Lab File: VX016056.D

Acq: 05 May 2020 12:18

Tgt Ion:	75	Resp:	2747
Ion Ratio	Lower	Upper	
75	100		
110	32.2	18.1	54.1
77	36.7	25.0	37.6





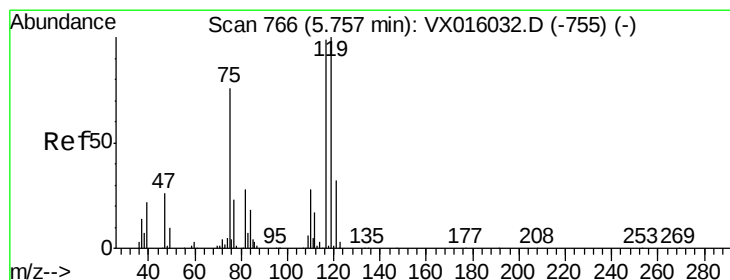
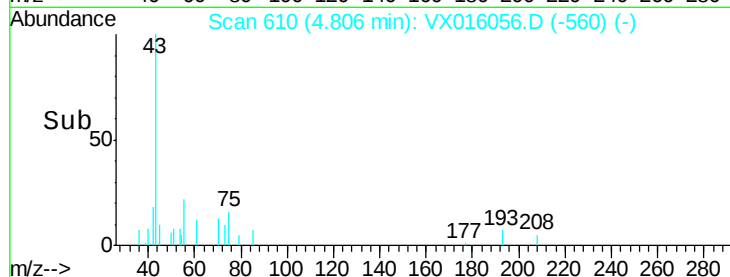
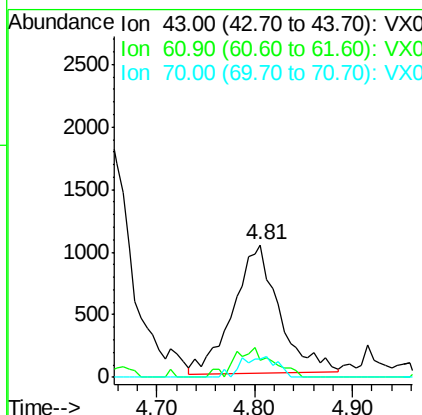
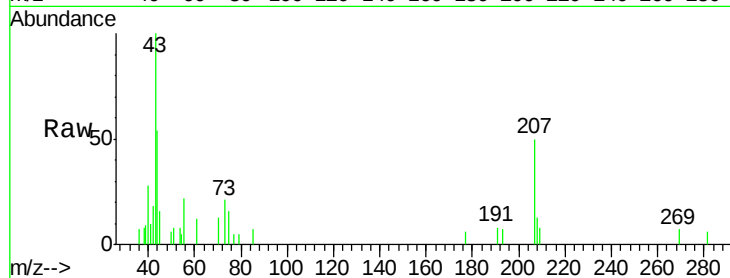
#37
Ethyl Acetate
Concen: 0.594 ug/l
RT: 4.81 min Scan# 610
Delta R.T. 0.01 min
Lab File: VX016056.D
Acq: 05 May 2020 12:18

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.0	11.7	17.5#
70	12.2	9.3	13.9

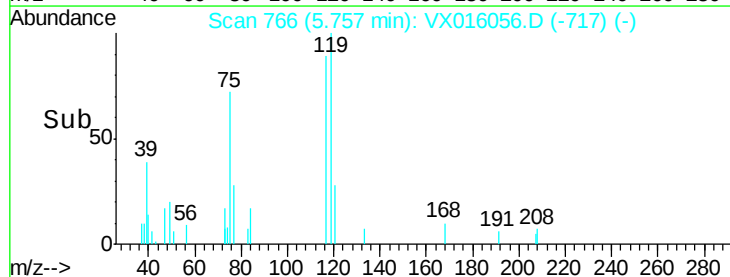
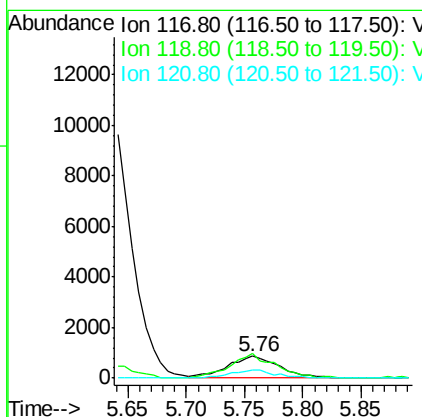
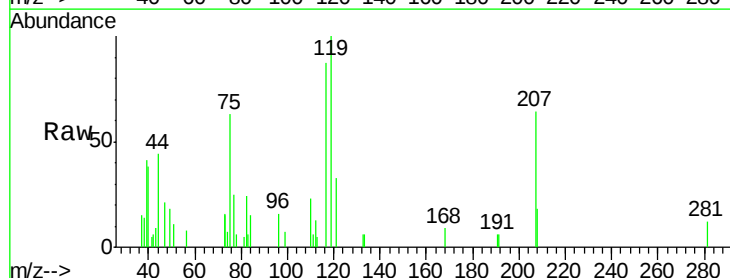
Manual Integrations
APPROVED

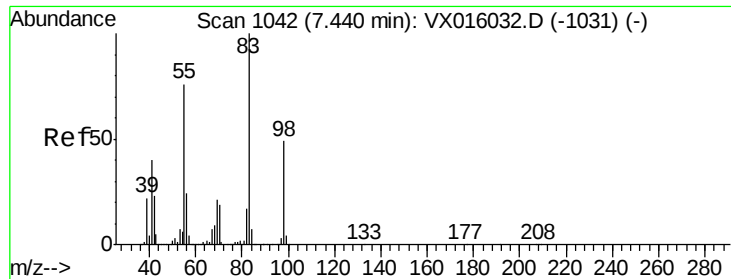
MMDadoda
5/6/2020 12:27:14 PM



#38
Carbon Tetrachloride
Concen: 0.535 ug/l
RT: 5.76 min Scan# 766
Delta R.T. -0.00 min
Lab File: VX016056.D
Acq: 05 May 2020 12:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	115.2	80.3	120.5
121	37.6	25.7	38.5





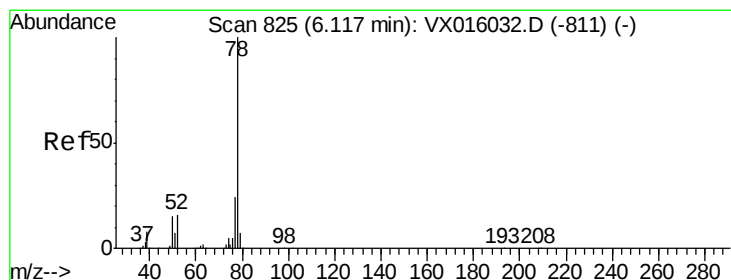
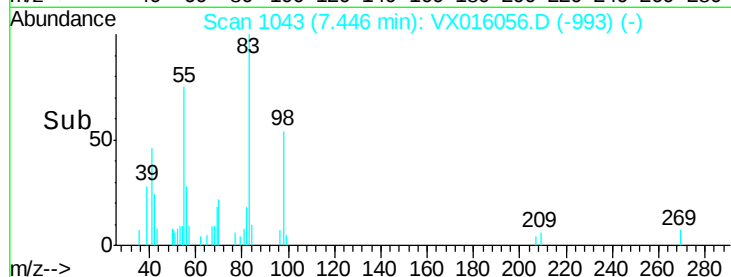
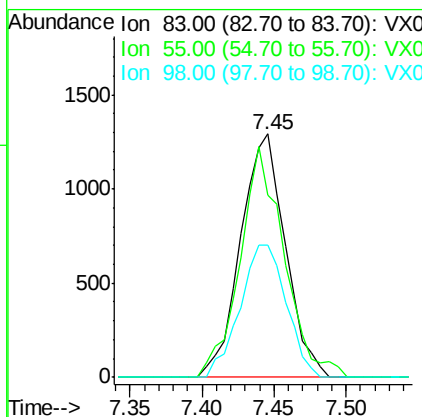
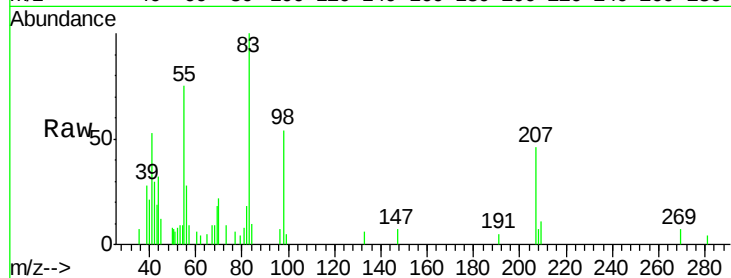
#39
Methvlcvclohexane
Concen: 0.470 ug/l
RT: 7.45 min Scan# 1043
Delta R.T. 0.01 min
Lab File: VX016056.D
Acq: 05 May 2020 12:18

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.6	61.1	91.7
98	54.4	39.0	58.4

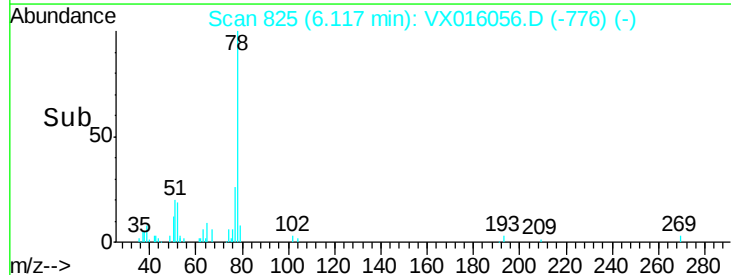
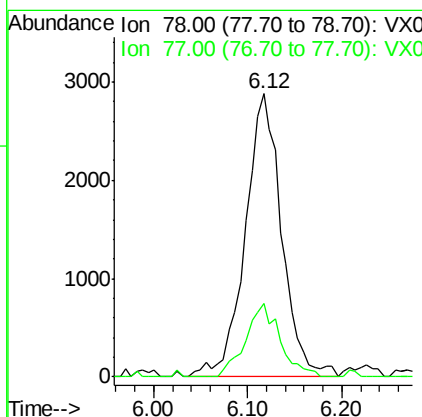
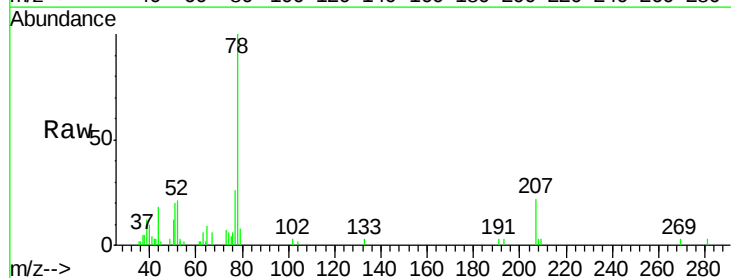
Manual Integrations
APPROVED

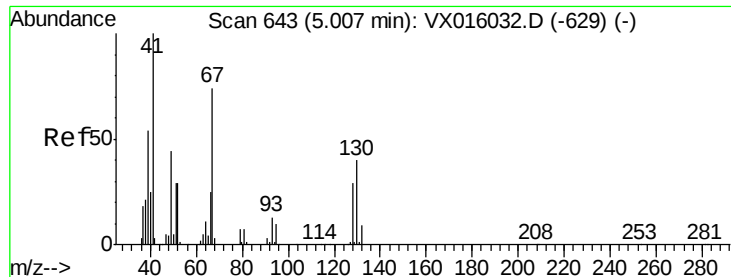
MMDadoda
5/6/2020 12:27:14 PM



#40
Benzene
Concen: 0.543 ug/l
RT: 6.12 min Scan# 825
Delta R.T. -0.00 min
Lab File: VX016056.D
Acq: 05 May 2020 12:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	26.2	19.0	28.4





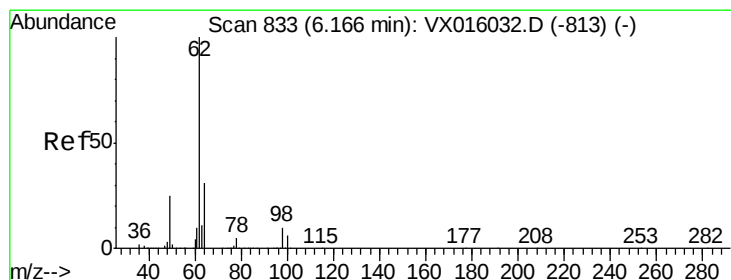
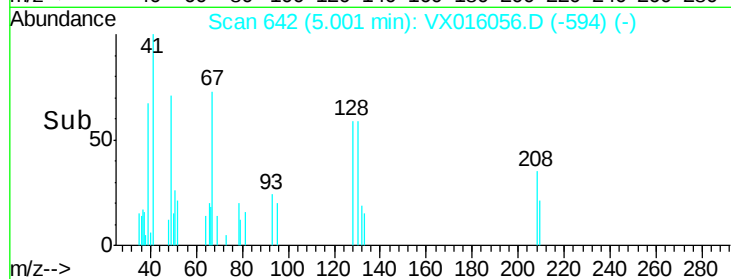
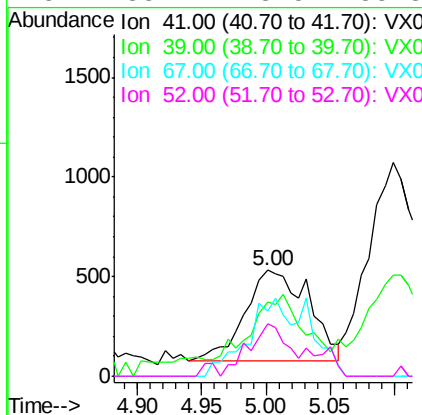
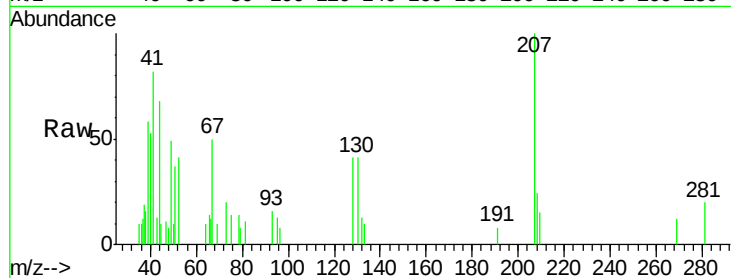
#41
Methacrylonitrile
Concen: 0.516 ug/l
RT: 5.00 min Scan# 642
Delta R.T. -0.01 min
Lab File: VX016056.D
Acq: 05 May 2020 12:18

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
41	100		
39	69.7	43.2	64.8#
67	54.5	59.3	88.9#
52	35.1	23.5	35.3

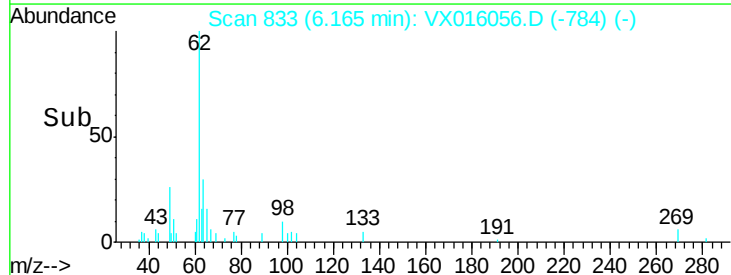
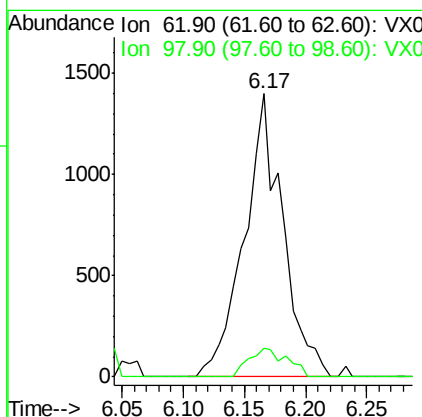
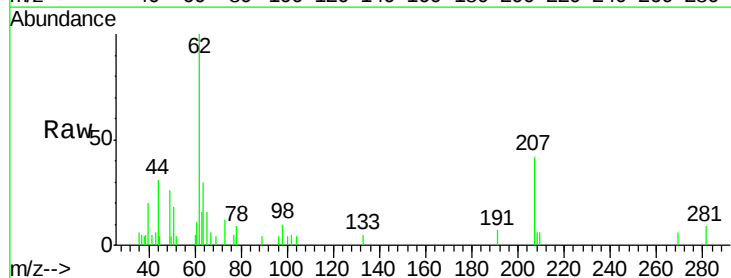
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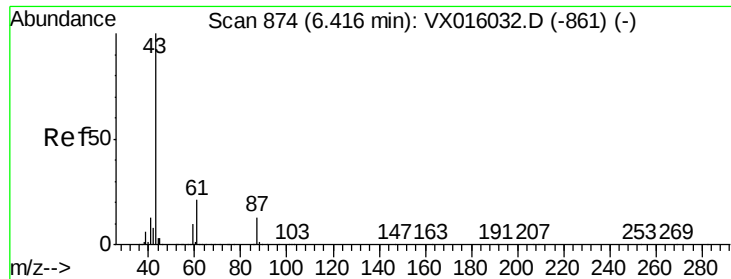
MMDadoda
5/6/2020 12:27:14 PM



#42
1,2-Dichloroethane
Concen: 0.594 ug/l
RT: 6.17 min Scan# 833
Delta R.T. -0.00 min
Lab File: VX016056.D
Acq: 05 May 2020 12:18

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	19.4





#43

Isopropyl Acetate

Concen: 0.504 ug/l

RT: 6.42 min Scan# 874

Delta R.T. -0.00 min

Lab File: VX016056.D

Acq: 05 May 2020 12:18

Instrument :

MSVOA_X

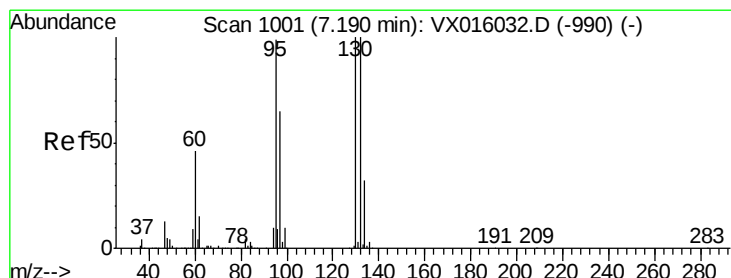
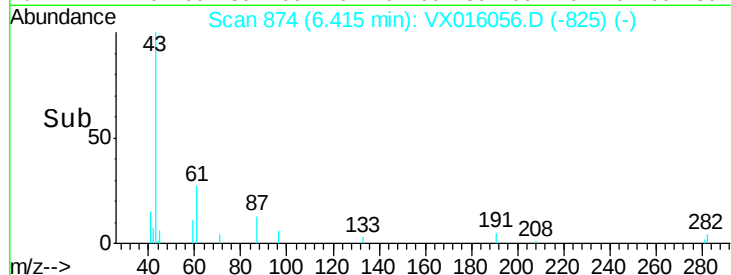
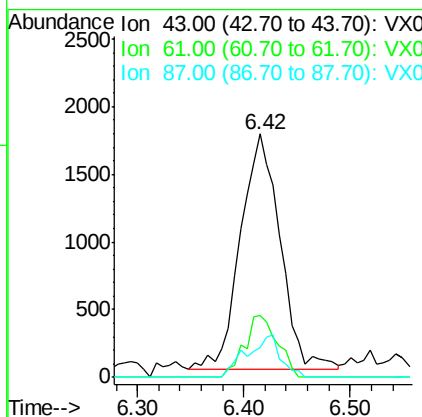
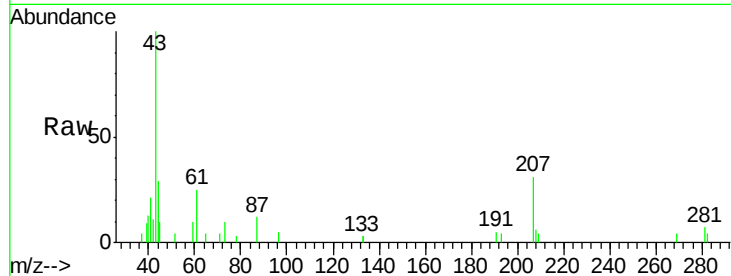
ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

Tot Ion:	43	Resp:	4570
Ion	Ratio	Lower	Upper
43	100		
61	21.8	17.0	25.4
87	15.3	11.0	16.6

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#44

Trichloroethene

Concen: 0.544 ug/l

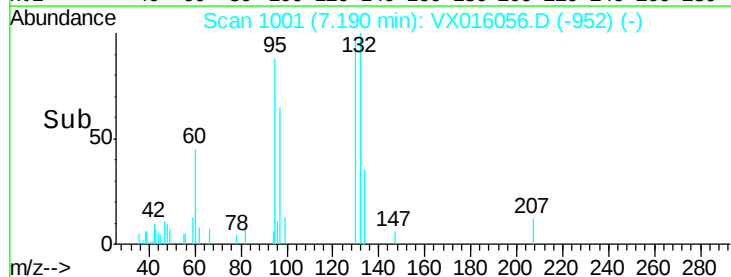
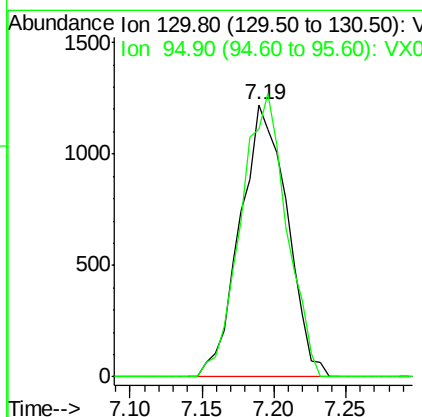
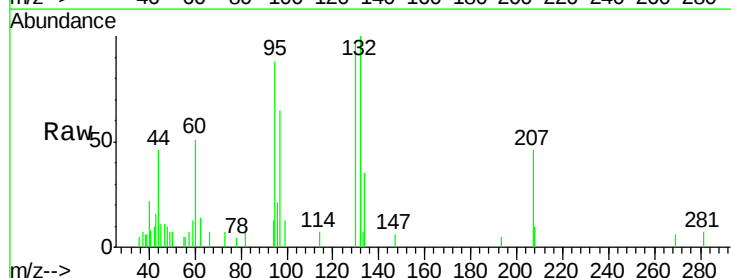
RT: 7.19 min Scan# 1001

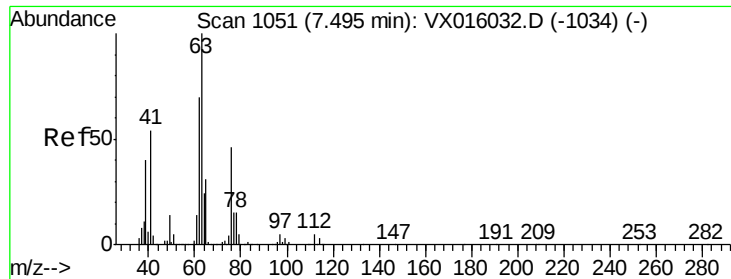
Delta R.T. -0.00 min

Lab File: VX016056.D

Acq: 05 May 2020 12:18

Tgt Ion:	130	Resp:	2771
Ion	Ratio	Lower	Upper
130	100		
95	90.8	0.0	197.4





#45

1,2-Dichloropropane

Concen: 0.544 ug/l

RT: 7.49 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VX016056.D

Acq: 05 May 2020 12:18

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

Tot Ion: 63 Resp: 1974

Ion Ratio Lower Upper

63 100

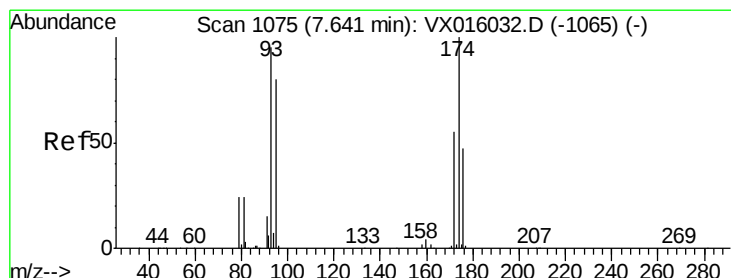
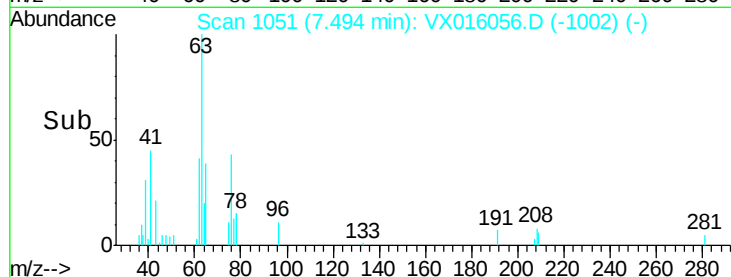
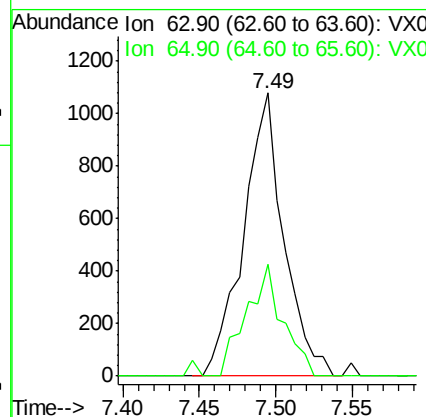
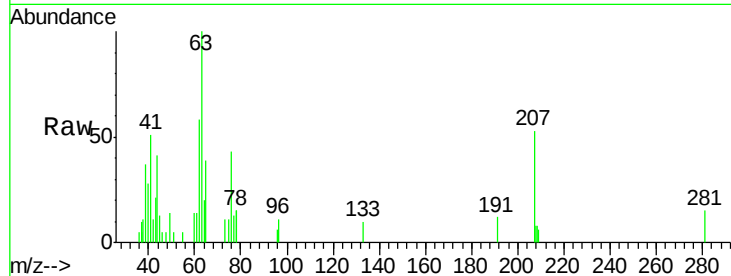
65 39.4 24.4 36.6#

Manual Integrations

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#46

Dibromomethane

Concen: 0.540 ug/l

RT: 7.65 min Scan# 1076

Delta R.T. 0.01 min

Lab File: VX016056.D

Acq: 05 May 2020 12:18

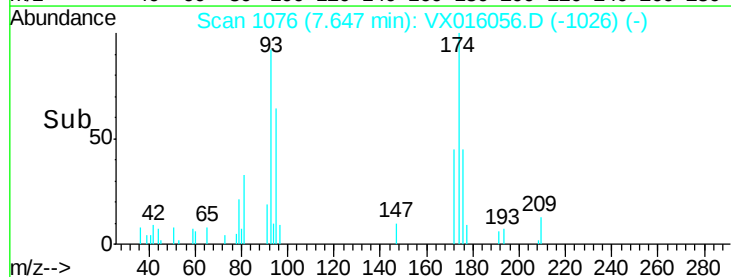
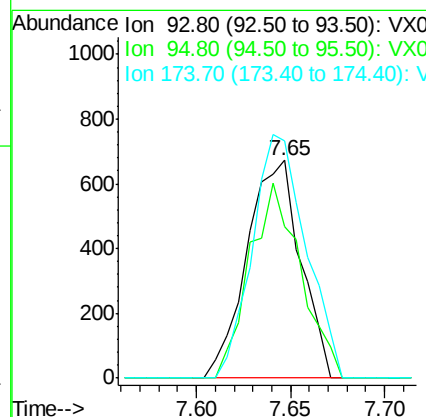
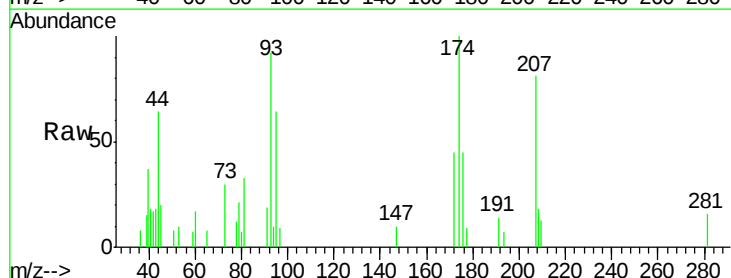
Tgt Ion: 93 Resp: 1331

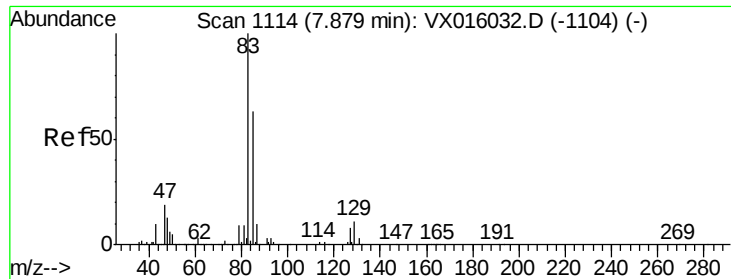
Ion Ratio Lower Upper

93 100

95 84.8 66.6 100.0

174 111.3 84.2 126.4





#47

Bromodichloromethane

Concen: 0.482 ug/l

RT: 7.88 min Scan# 1115

Delta R.T. 0.01 min

Lab File: VX016056.D

Acq: 05 May 2020 12:18

Instrument :

MSVOA_X

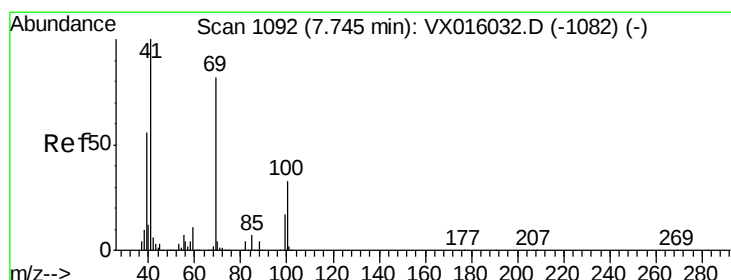
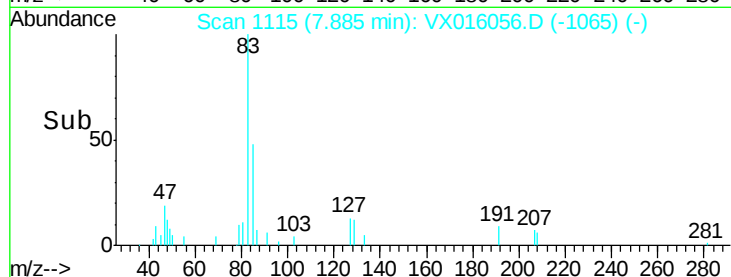
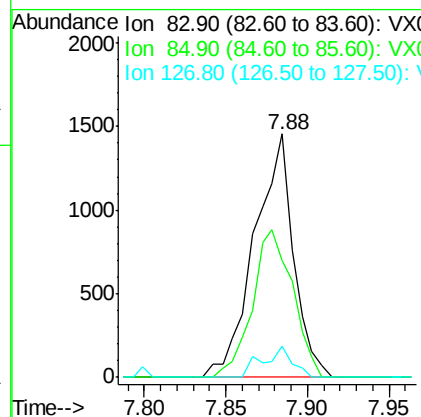
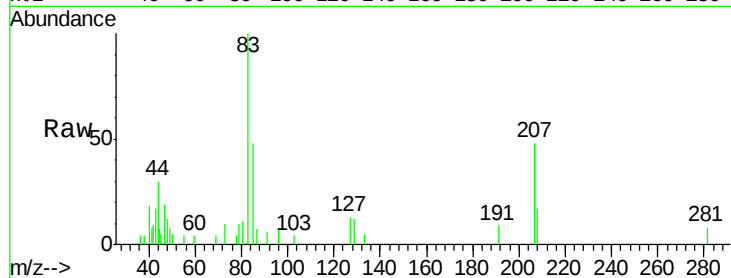
ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

Tot Ion:	83	Resp:	2423
Ion	Ratio	Lower	Upper
83	100		
85	48.1	50.5	75.7#
127	12.8	6.7	10.1#

Manual Integrations
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#48

Methyl methacrylate

Concen: 0.432 ug/l

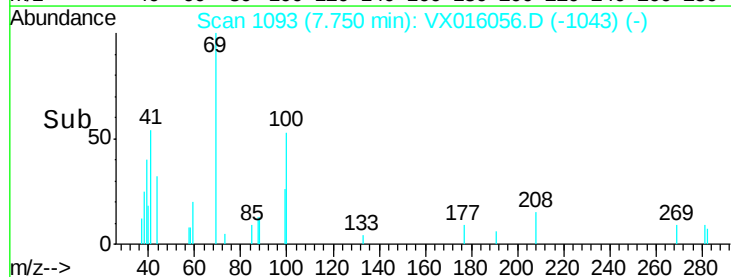
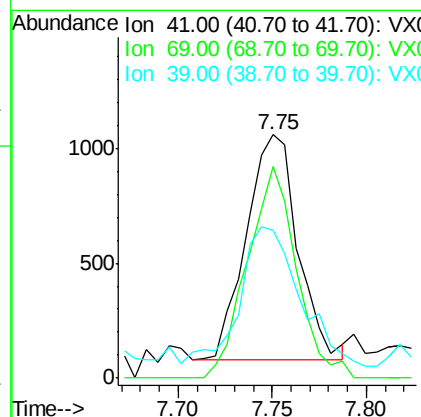
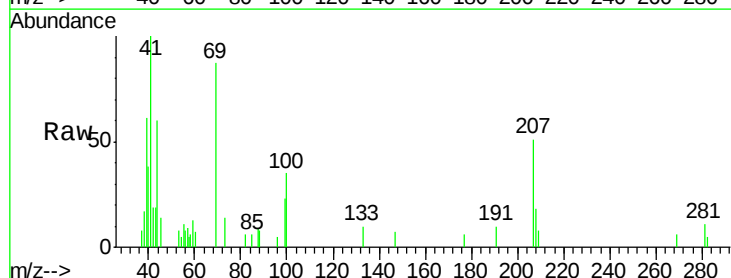
RT: 7.75 min Scan# 1093

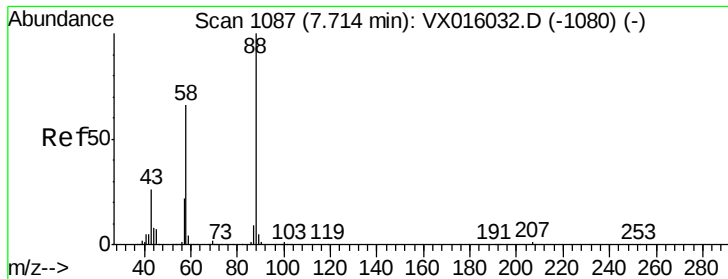
Delta R.T. 0.01 min

Lab File: VX016056.D

Acq: 05 May 2020 12:18

Tgt Ion:	41	Resp:	1856
Ion	Ratio	Lower	Upper
41	100		
69	89.4	67.8	101.6
39	73.2	44.6	67.0#





#49

1,4-Dioxane

Concen: 10.190 ug/l

RT: 7.72 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX016056.D

Acq: 05 May 2020 12:18

Instrument :

MSVOA_X

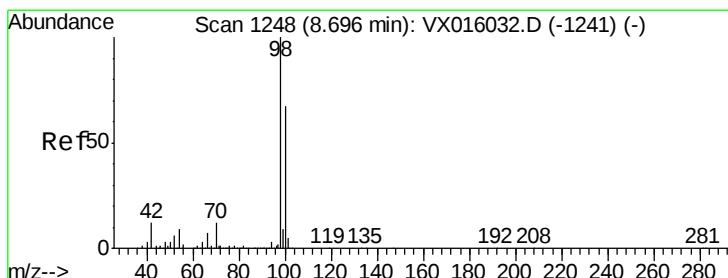
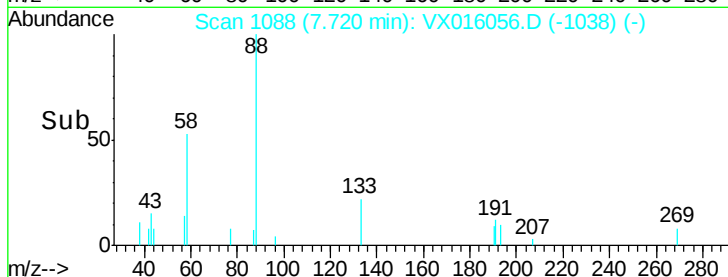
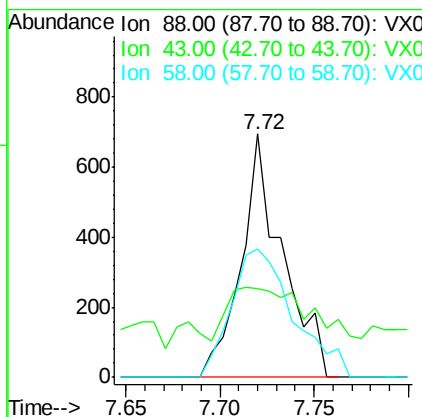
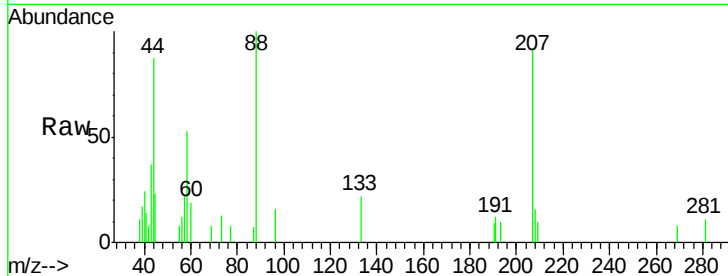
ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

Tot Ion:	88	Resp:	1050
Ion	Ratio	Lower	Upper
88	100		
43	43.7	25.3	37.9#
58	79.9	55.9	83.9

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#50

Toluene-d8

Concen: 46.170 ug/l

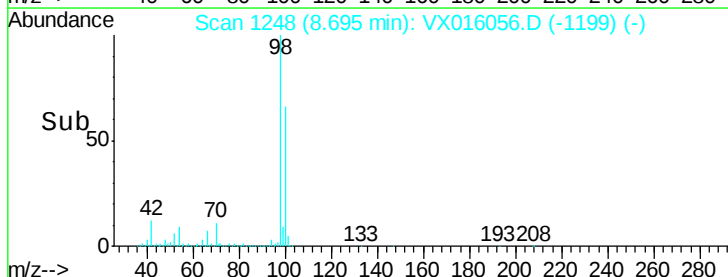
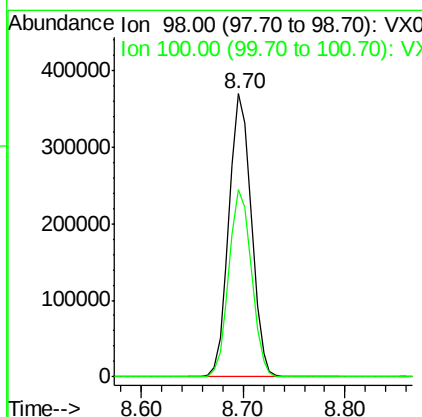
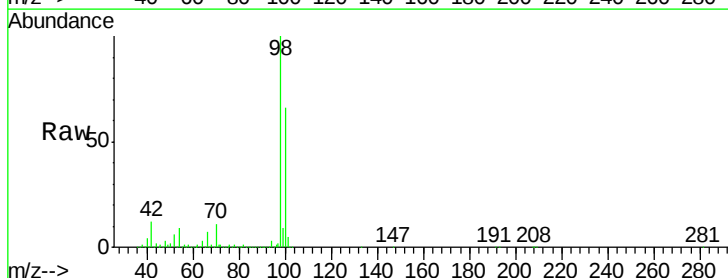
RT: 8.70 min Scan# 1248

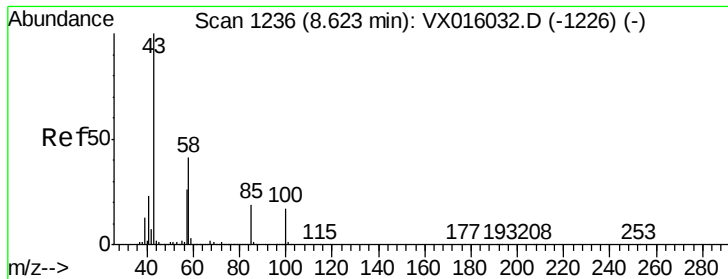
Delta R.T. -0.00 min

Lab File: VX016056.D

Acq: 05 May 2020 12:18

Tgt Ion:	98	Resp:	561364
Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.7	80.5





#51

4-Methyl-2-Pentanone

Concen: 2.269 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VX016056.D

Acq: 05 May 2020 12:18

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

Tot Ion: 43 Resp: 12592

Ion Ratio Lower Upper

43 100

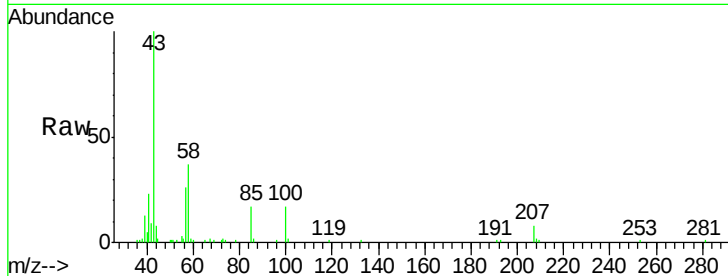
58 40.9 33.0 49.4

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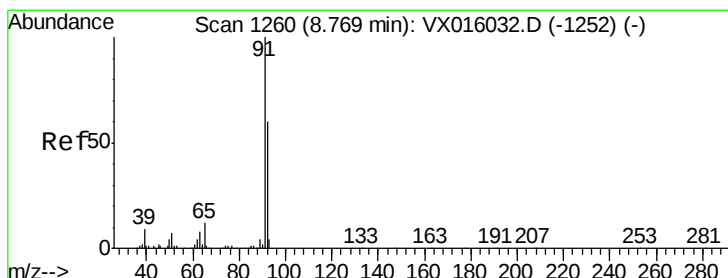
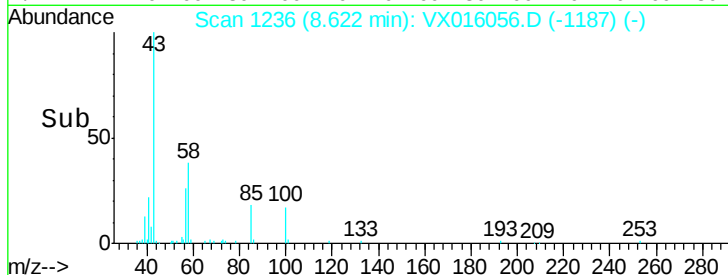
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.62

8.60 8.65

Time-->



#52

Toluene

Concen: 0.489 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VX016056.D

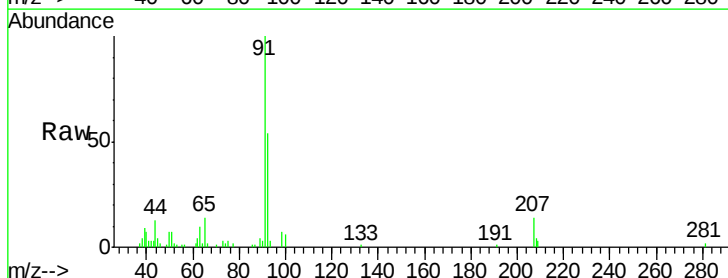
Acq: 05 May 2020 12:18

Tgt Ion: 92 Resp: 4369

Ion Ratio Lower Upper

92 100

91 179.6 134.5 201.7



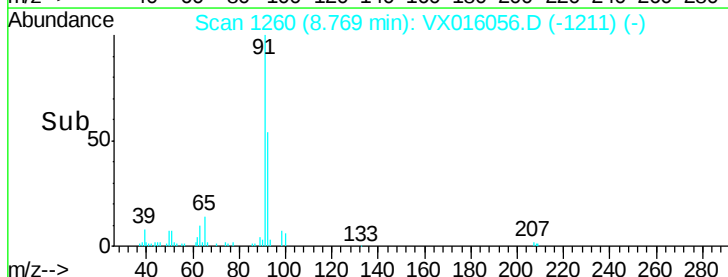
Abundance Ion 92.00 (91.70 to 92.70): VX0

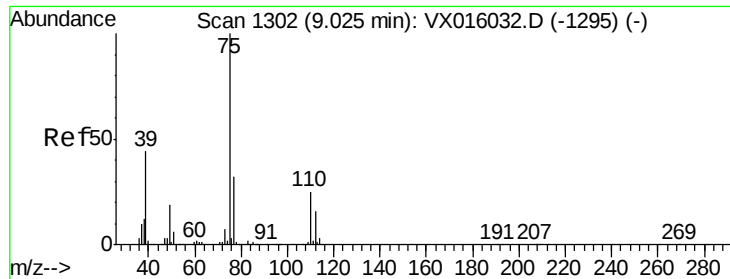
Ion 91.00 (90.70 to 91.70): VX0

8.77

8.75 8.80

Time-->





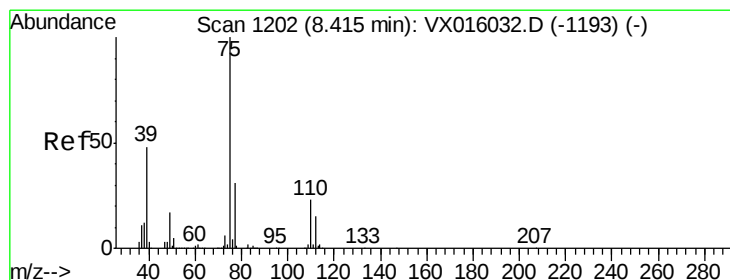
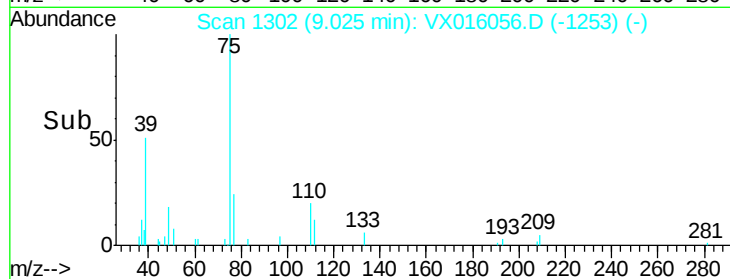
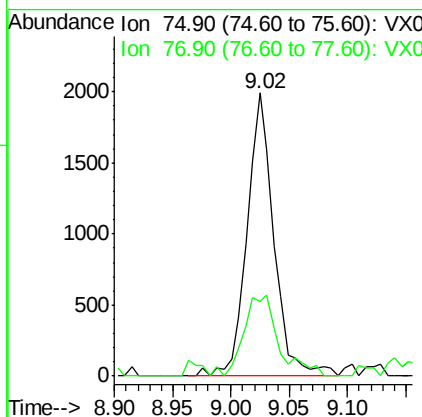
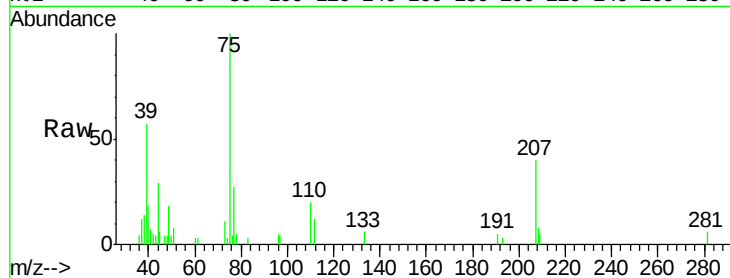
#53
t-1,3-Dichloropropene
Concen: 0.535 ug/l
RT: 9.02 min Scan# 1302
Delta R.T. -0.00 min
Lab File: VX016056.D
Acq: 05 May 2020 12:18

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2020

Tot Ion: 75 Resp: 3207
Ion Ratio Lower Upper
75 100
77 26.6 25.7 38.5

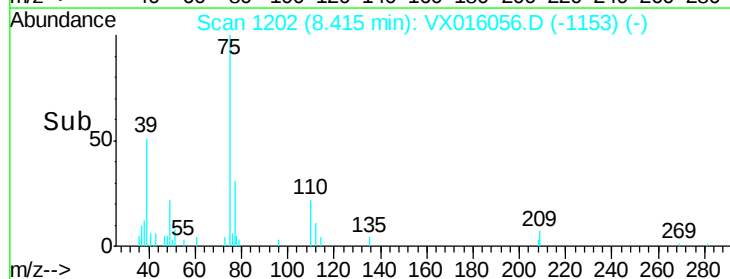
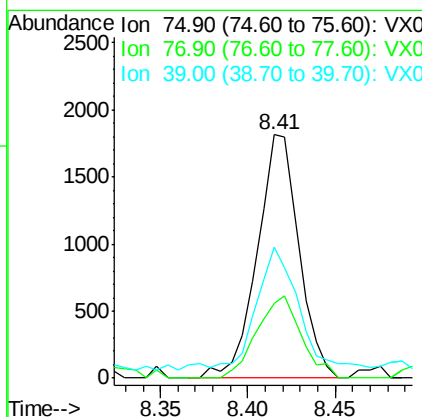
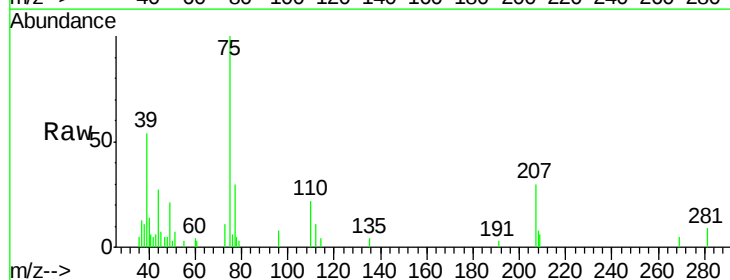
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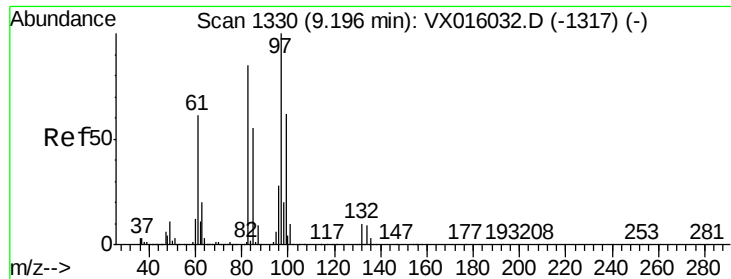
MMDadoda
5/6/2020 12:27:14 PM



#54
cis-1,3-Dichloropropene
Concen: 0.483 ug/l
RT: 8.41 min Scan# 1202
Delta R.T. -0.00 min
Lab File: VX016056.D
Acq: 05 May 2020 12:18

Tgt Ion: 75 Resp: 3023
Ion Ratio Lower Upper
75 100
77 30.5 24.7 37.1
39 48.4 38.7 58.1





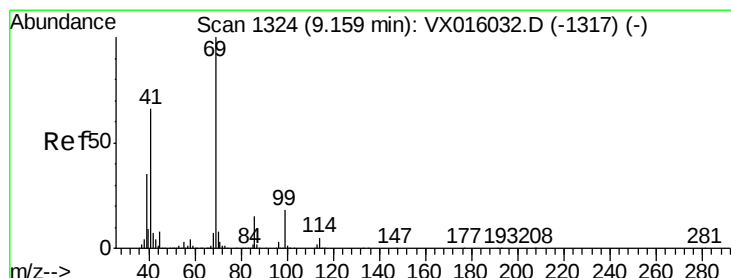
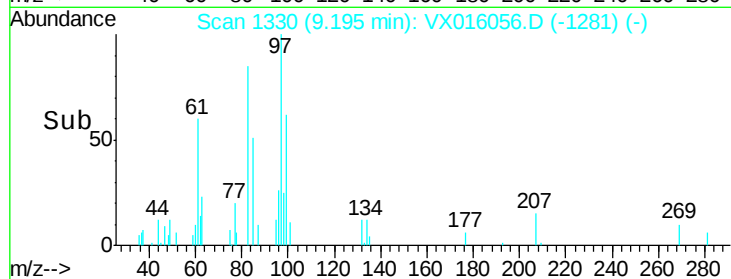
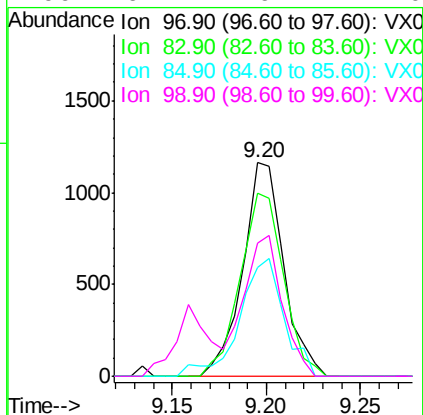
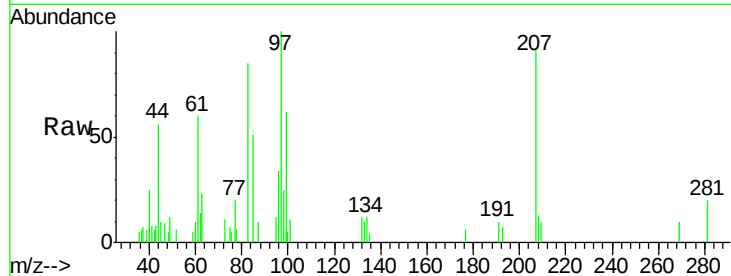
#55
 1,1,2-Trichloroethane
 Concen: 0.498 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VX016056.D
 Acq: 05 May 2020 12:18

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2020

Tot Ion:	97	Resp:	1752
Ion	Ratio	Lower	Upper
97	100		
83	85.5	67.8	101.8
85	51.0	43.8	65.8
99	62.1	49.4	74.0

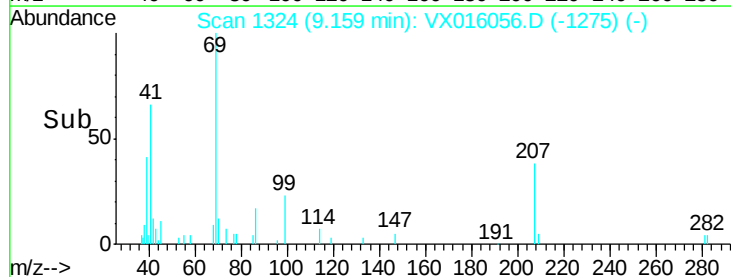
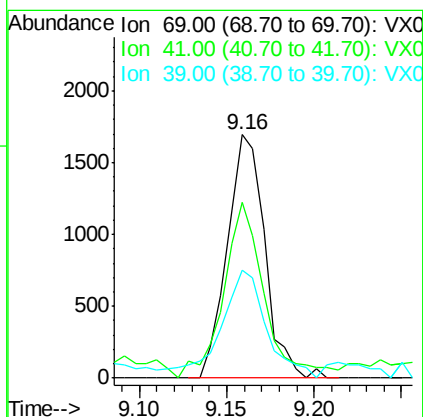
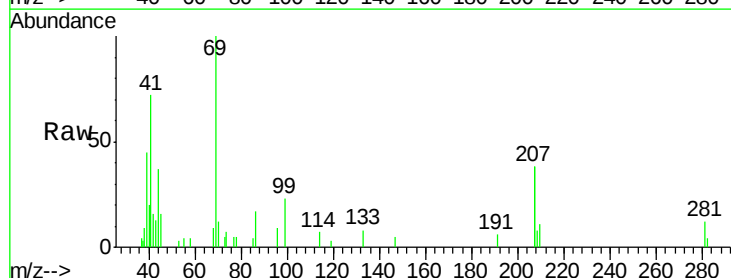
Manual Integrations
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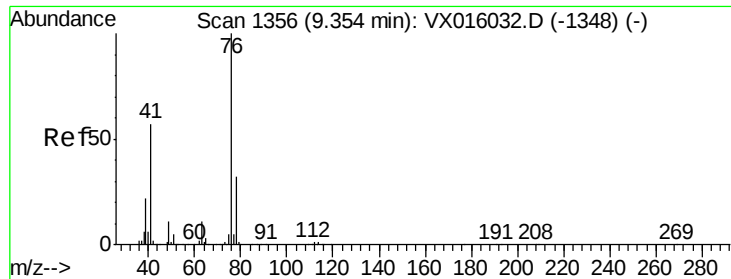
MMDadoda
 5/6/2020 12:27:14 PM



#56
 Ethyl methacrylate
 Concen: 0.440 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VX016056.D
 Acq: 05 May 2020 12:18

Tgt Ion:	69	Resp:	2526
Ion	Ratio	Lower	Upper
69	100		
41	78.9	52.2	78.4#
39	53.7	28.2	42.4#





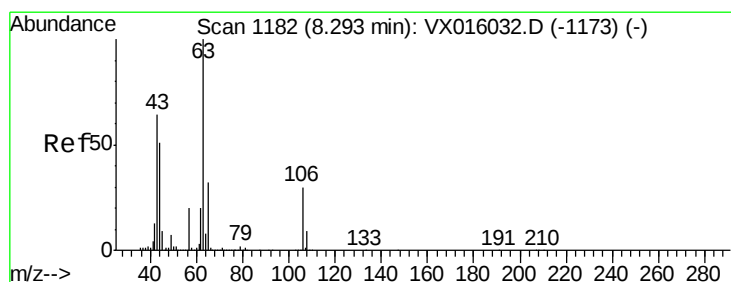
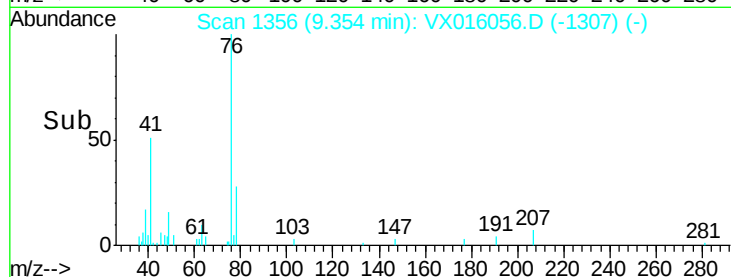
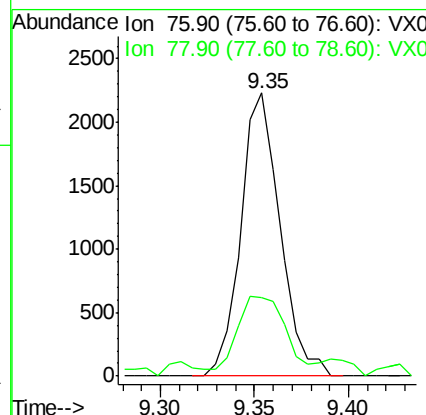
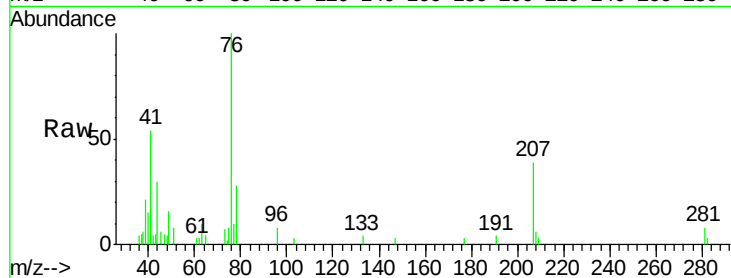
#57
 1,3-Dichloropropane
 Concen: 0.523 ug/l
 RT: 9.35 min Scan# 1356
 Delta R.T. -0.00 min
 Lab File: VX016056.D
 Acq: 05 May 2020 12:18

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
76	100		
78	30.2	25.9	38.9

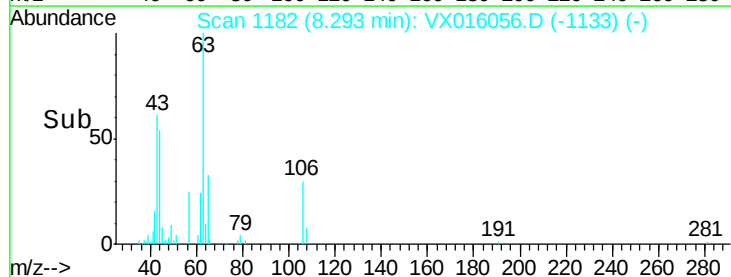
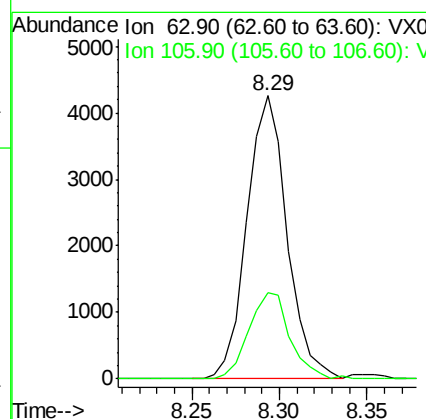
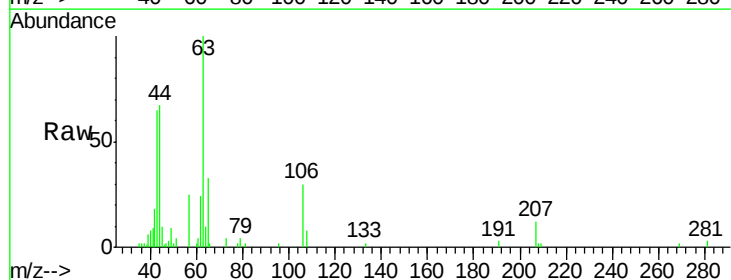
Manual Integrations
 APPROVED

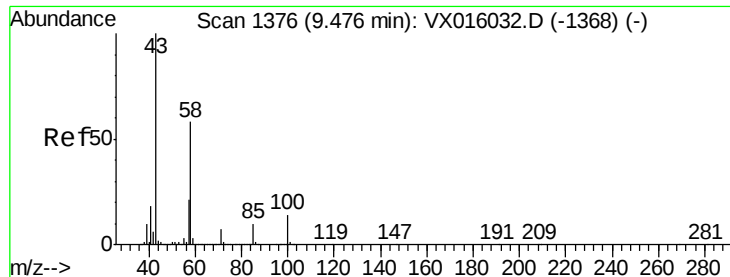
MMDadoda
 5/6/2020 12:27:14 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 2.216 ug/l
 RT: 8.29 min Scan# 1182
 Delta R.T. -0.00 min
 Lab File: VX016056.D
 Acq: 05 May 2020 12:18

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.3	23.4	35.2





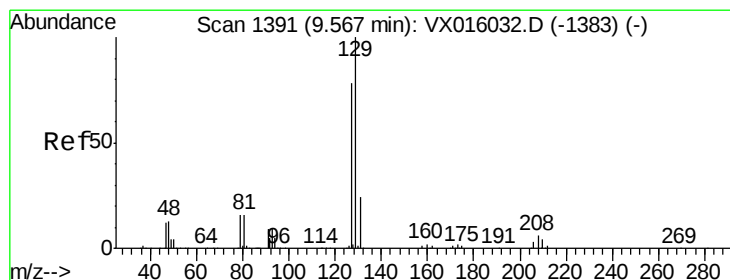
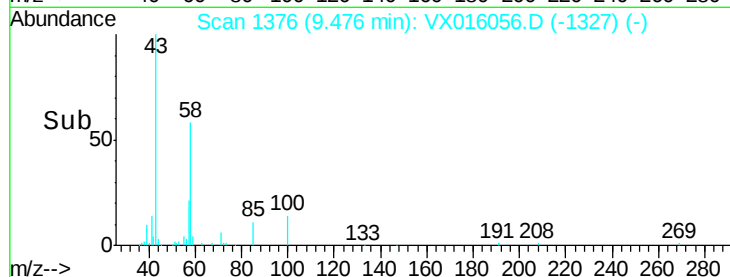
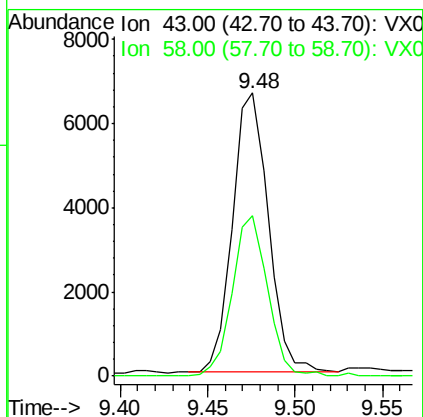
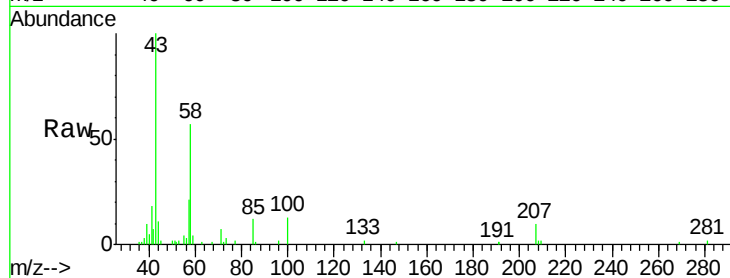
#59
2-Hexanone
Concen: 2.178 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. -0.00 min
Lab File: VX016056.D
Acq: 05 May 2020 12:18

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2020

Tot Ion: 43 Resp: 9489
Ion Ratio Lower Upper
43 100
58 56.4 28.6 85.9

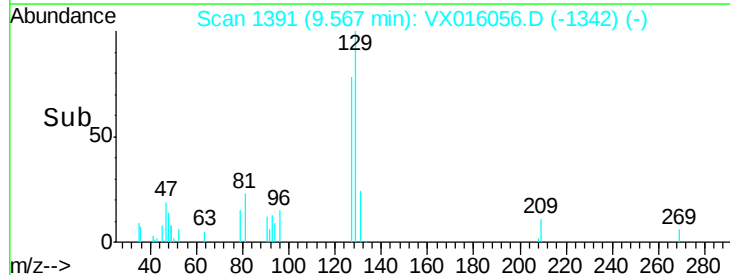
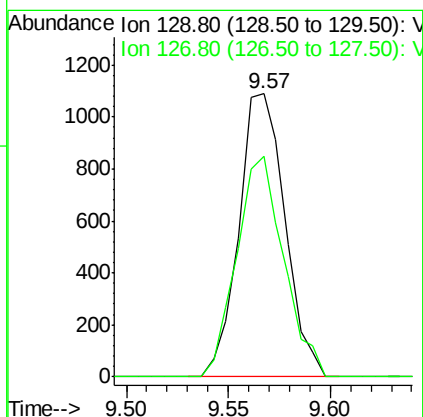
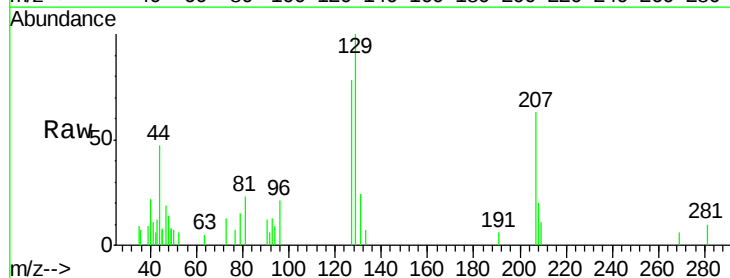
Manual Integrations
APPROVED

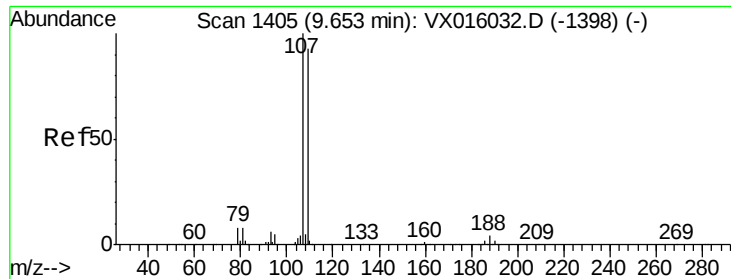
MMDadoda
5/6/2020 12:27:14 PM



#60
Dibromochloromethane
Concen: 0.442 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VX016056.D
Acq: 05 May 2020 12:18

Tgt Ion: 129 Resp: 1712
Ion Ratio Lower Upper
129 100
127 79.5 38.4 115.2





#61

1,2-Dibromoethane

Concen: 0.456 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: VX016056.D

Acq: 05 May 2020 12:18

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

Tot Ion: 107 Resp: 1737

Ion Ratio Lower Upper

107 100

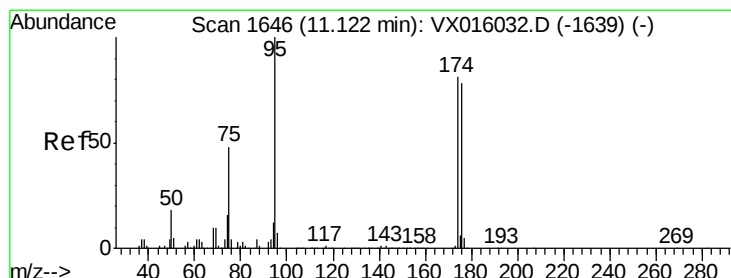
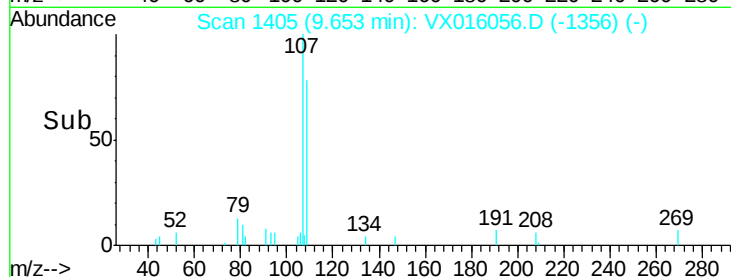
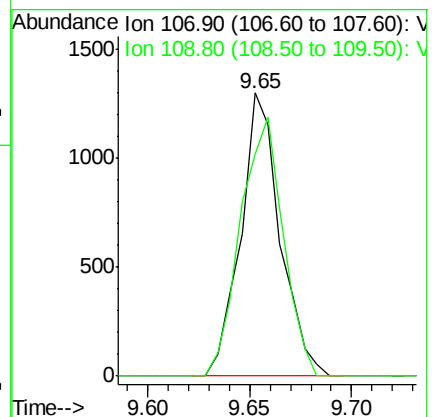
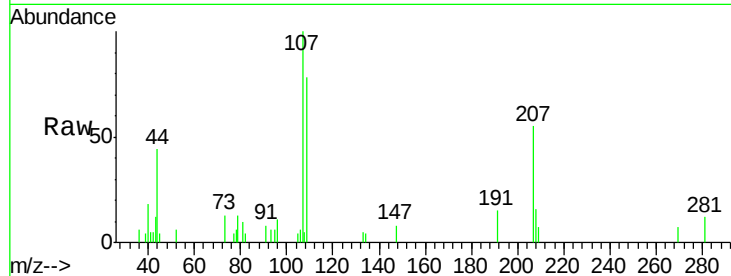
109 99.4 74.9 112.3

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 43.832 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016056.D

Acq: 05 May 2020 12:18

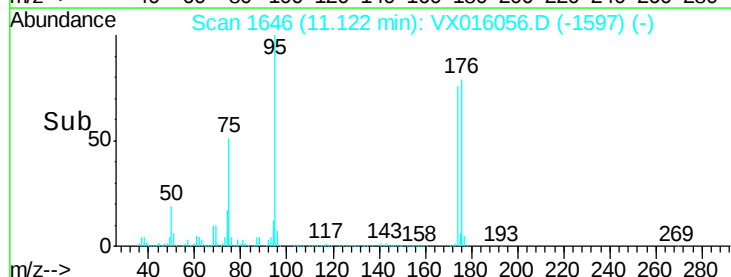
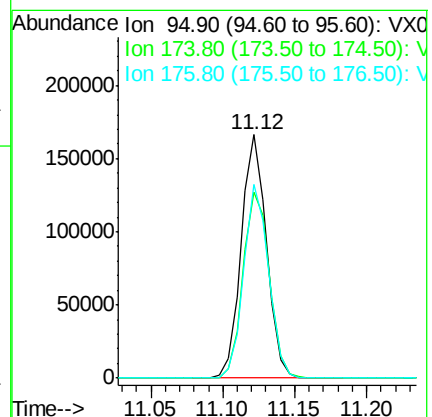
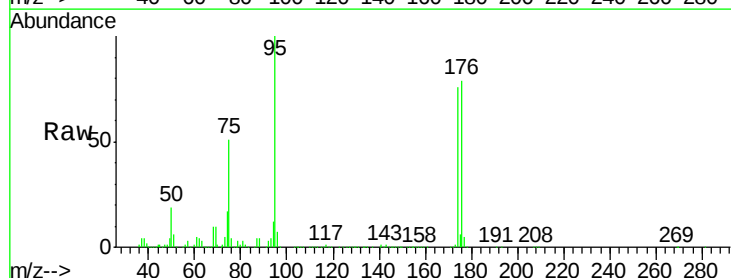
Tgt Ion: 95 Resp: 202705

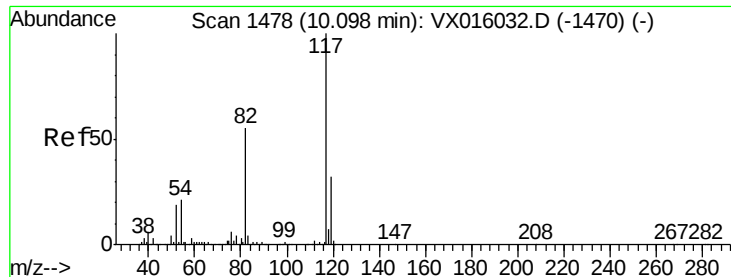
Ion Ratio Lower Upper

95 100

174 79.4 0.0 159.4

176 78.6 0.0 157.6





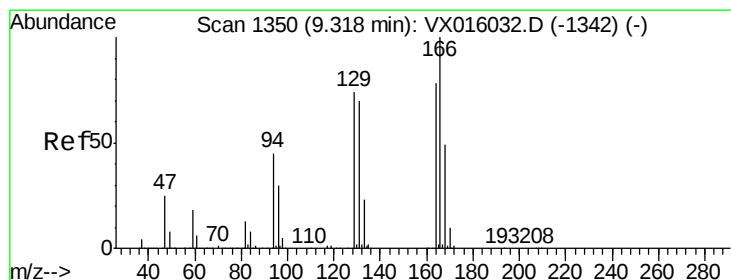
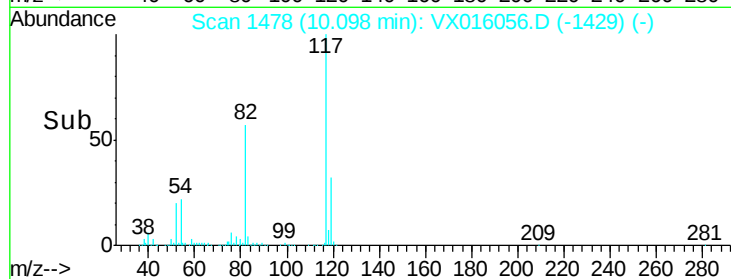
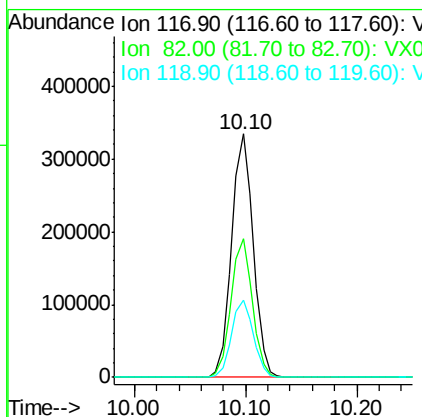
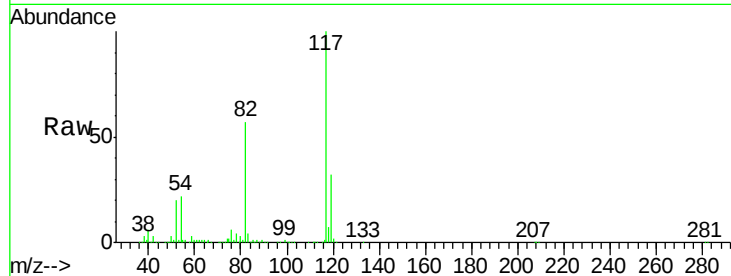
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016056.D
Acq: 05 May 2020 12:18

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	449720		
82	57.0		44.4	66.6
119	32.0		25.5	38.3

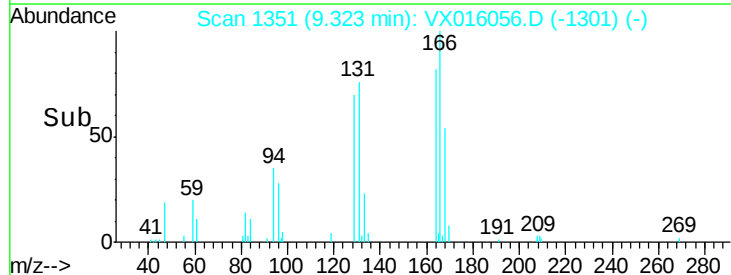
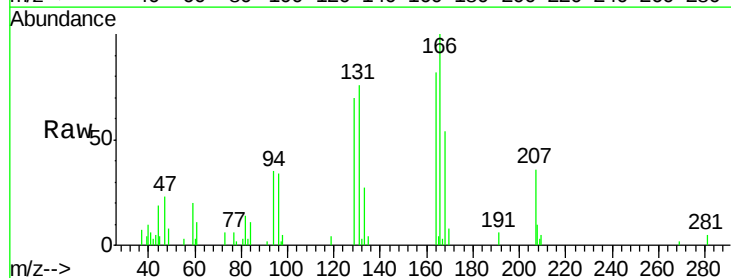
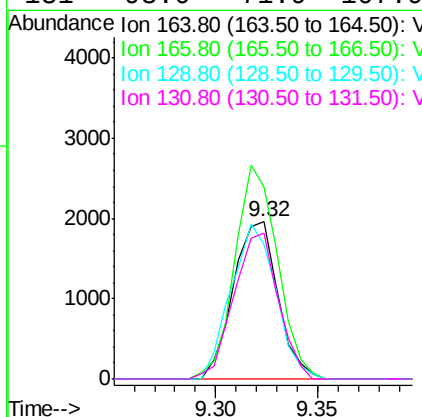
Manual Integrations
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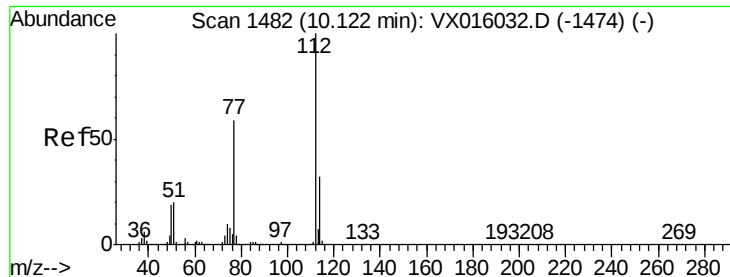
MMDadoda
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#64
Tetrachloroethene
Concen: 0.539 ug/l
RT: 9.32 min Scan# 1351
Delta R.T. 0.01 min
Lab File: VX016056.D
Acq: 05 May 2020 12:18

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	2975		
166	122.5		102.9	154.3
129	85.6		76.1	114.1
131	93.0		71.9	107.9





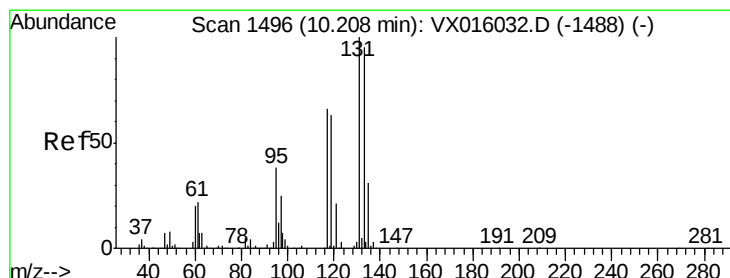
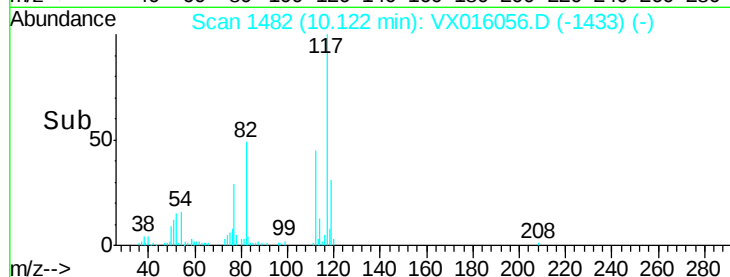
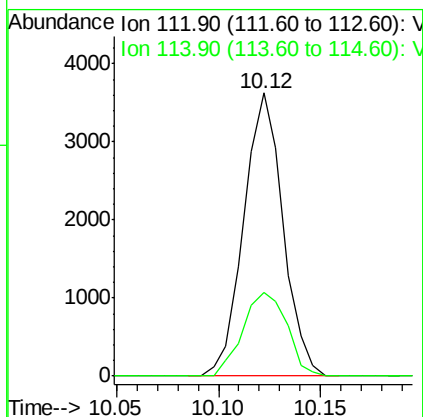
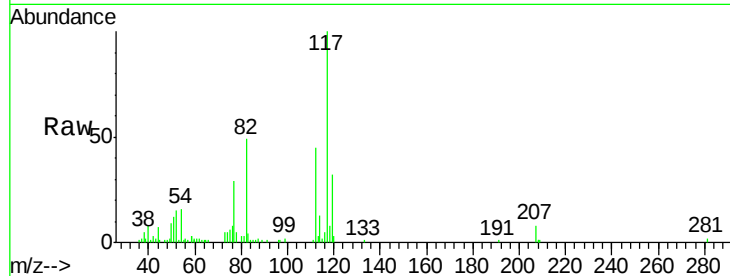
#65
Chlorobenzene
Concen: 0.515 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX016056.D
Acq: 05 May 2020 12:18

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2020

Tot Ion:112 Resp: 4847
Ion Ratio Lower Upper
112 100
114 29.4 25.7 38.5

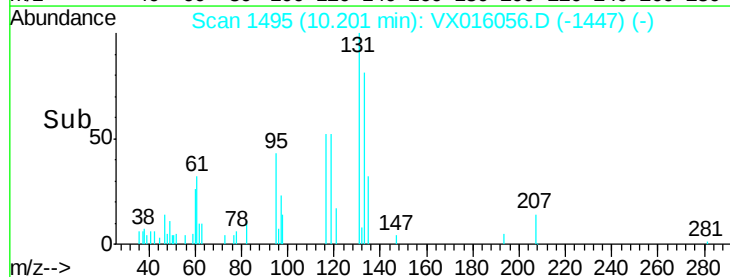
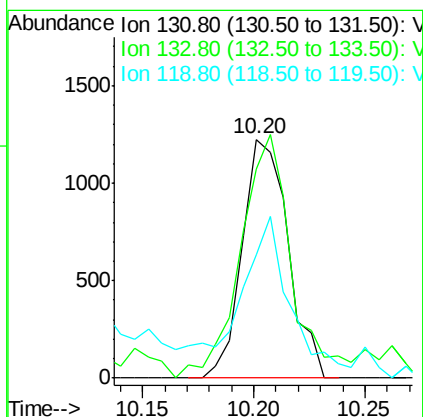
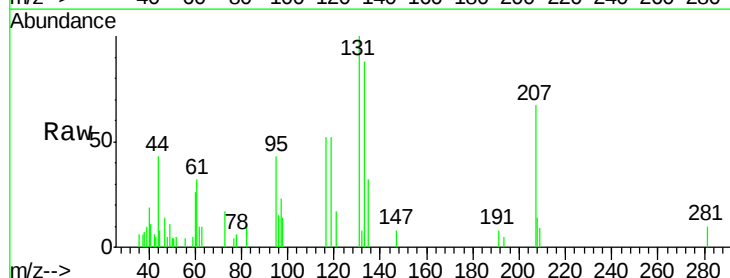
Manual Integrations
APPROVED

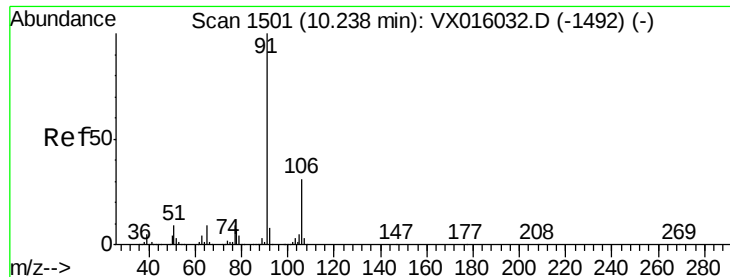
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 0.507 ug/l
RT: 10.20 min Scan# 1495
Delta R.T. -0.01 min
Lab File: VX016056.D
Acq: 05 May 2020 12:18

Tgt Ion:131 Resp: 1766
Ion Ratio Lower Upper
131 100
133 112.9 48.3 144.8
119 0.0 32.3 96.9#





#67

Ethyl Benzene

Concen: 0.494 ug/l

RT: 10.24 min Scan# 1501

Delta R.T. -0.00 min

Lab File: VX016056.D

Acq: 05 May 2020 12:18

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

Tot Ion: 91 Resp: 8306

Ion Ratio Lower Upper

91 100

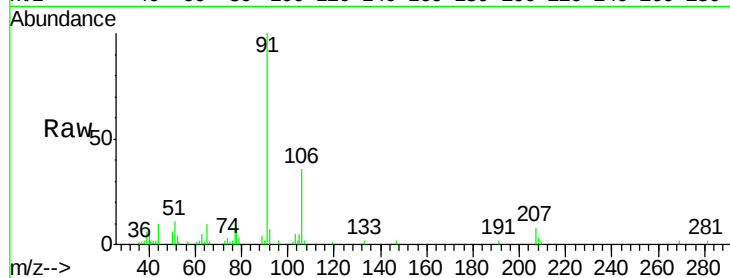
106 35.7 25.1 37.7

Manual Integrations

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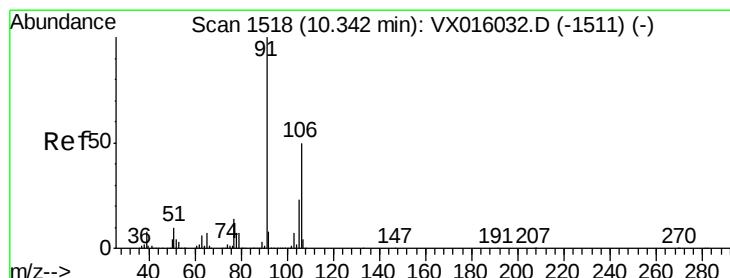
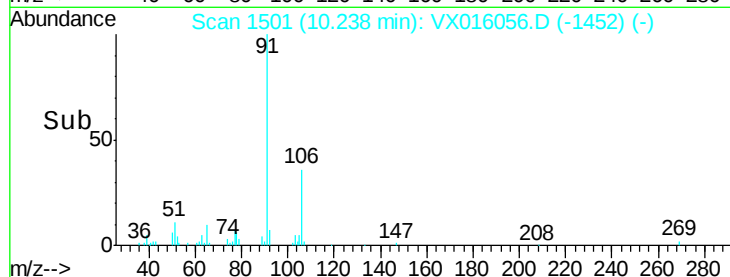
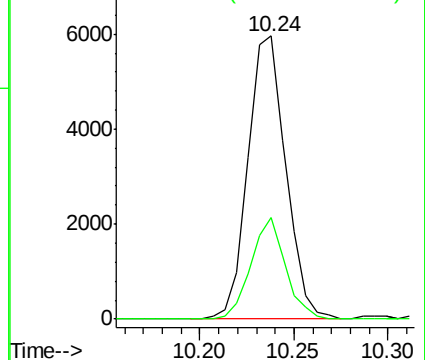
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 0.989 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX016056.D

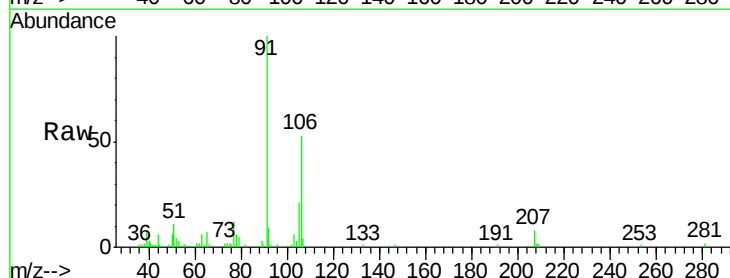
Acq: 05 May 2020 12:18

Tgt Ion: 106 Resp: 6223

Ion Ratio Lower Upper

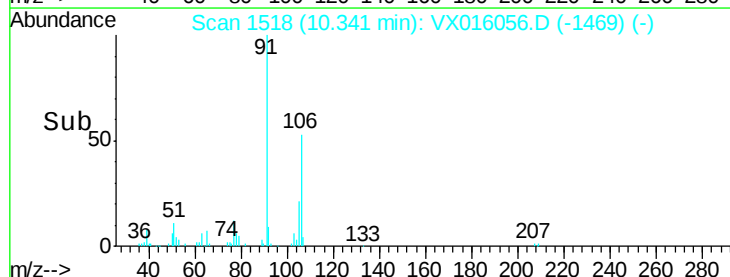
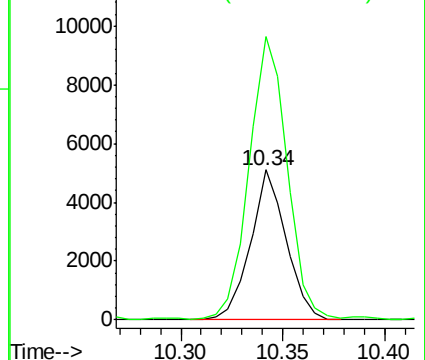
106 100

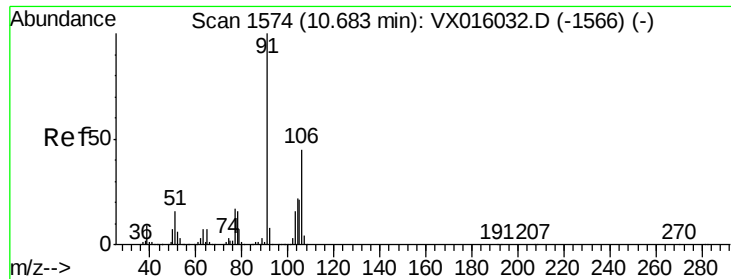
91 203.0 161.7 242.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





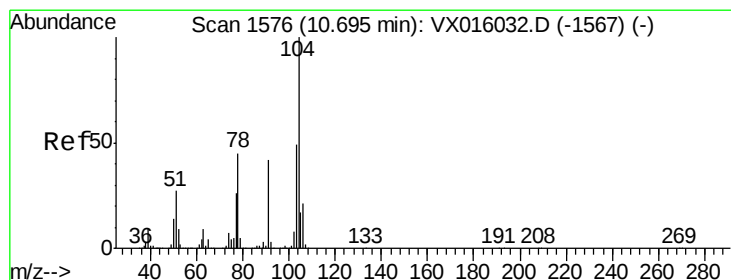
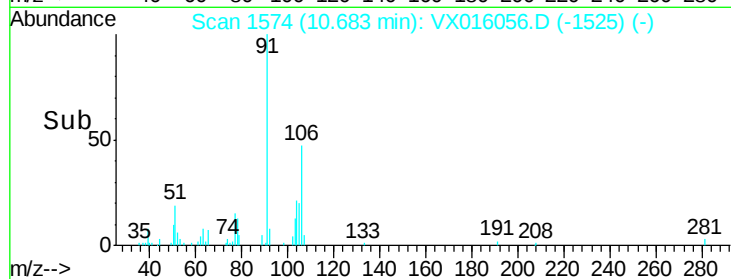
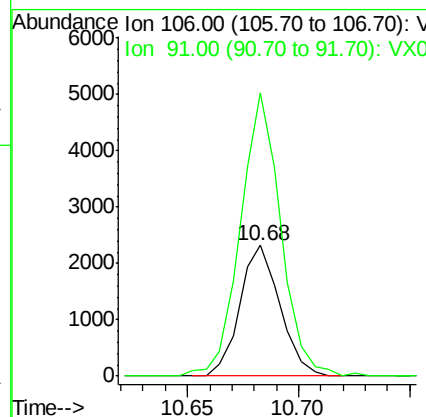
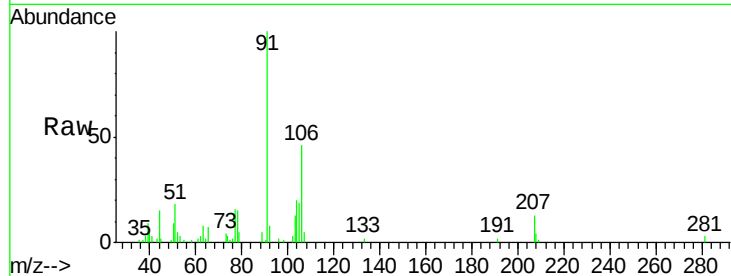
#69
o-Xylene
Concen: 0.481 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX016056.D
Acq: 05 May 2020 12:18

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		2911		
91	218.1	107.5	322.6		

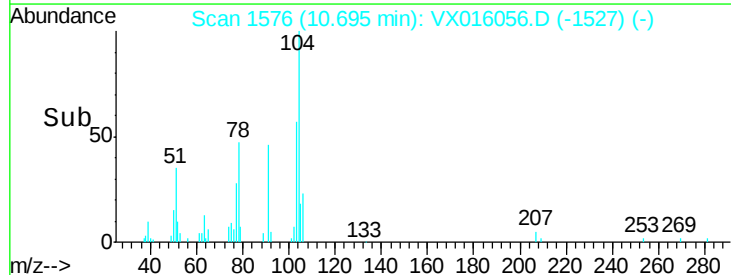
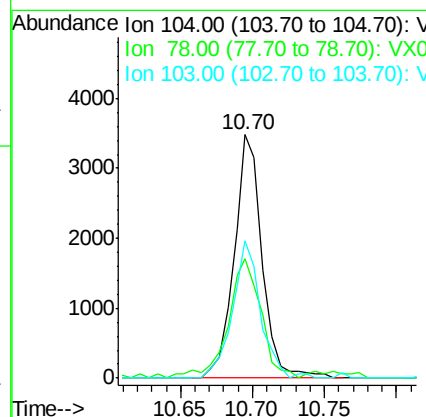
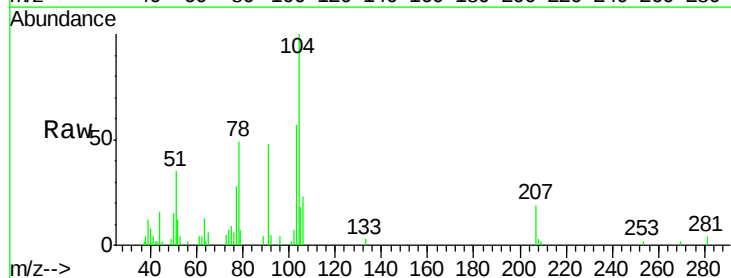
Manual Integrations
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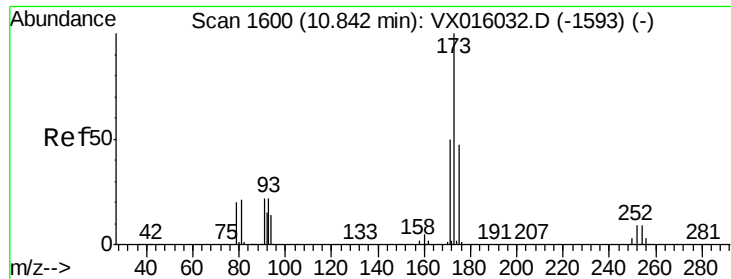
MMDadoda
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#70
Styrene
Concen: 0.461 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX016056.D
Acq: 05 May 2020 12:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		4731		
78	58.3	40.2	60.2		
103	56.7	43.0	64.6		





#71

Bromoform

Concen: 0.428 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX016056.D

Acq: 05 May 2020 12:18

Instrument :

MSVOA_X

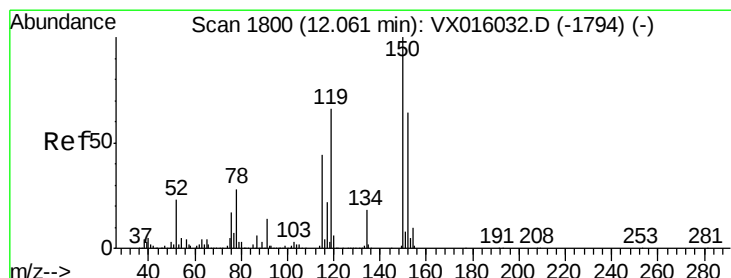
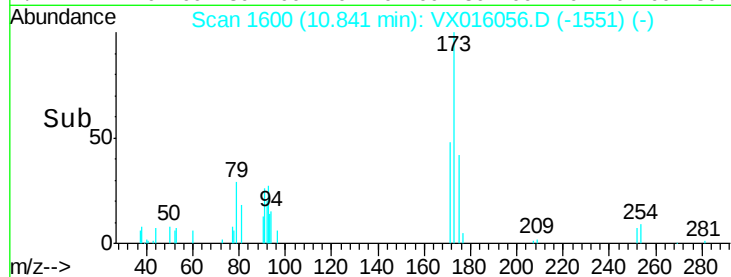
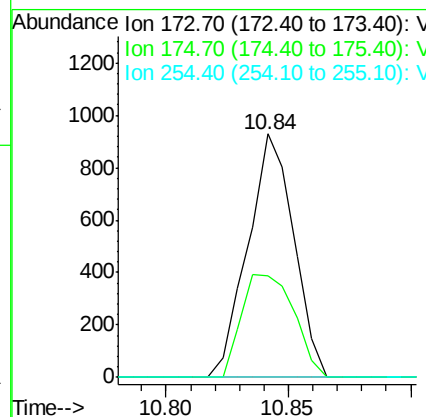
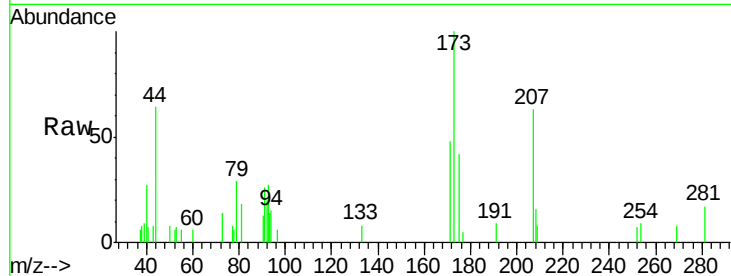
ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

Tot Ion:	173	Resp:	1214
Ion Ratio	Lower	Upper	
173	100		
175	48.2	24.0	72.0
254	0.0	0.1	0.1#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

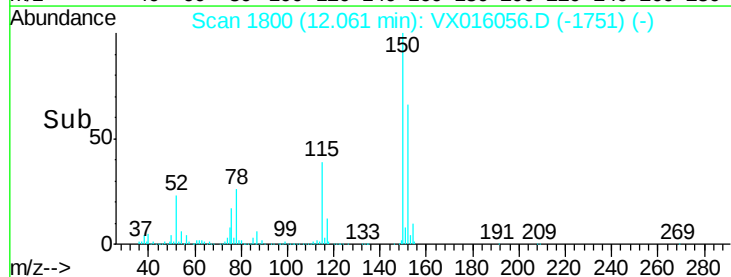
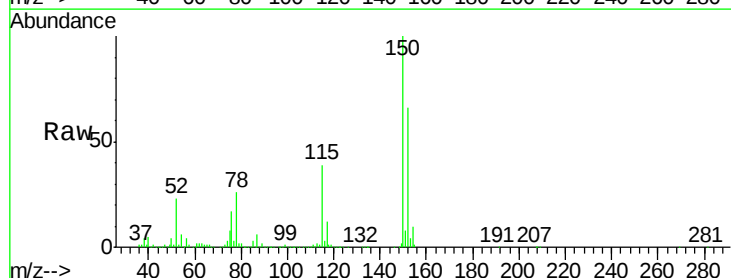
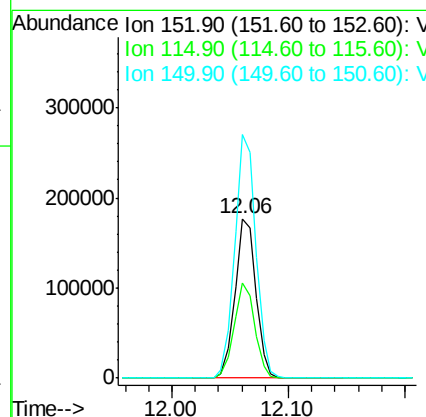
RT: 12.06 min Scan# 1800

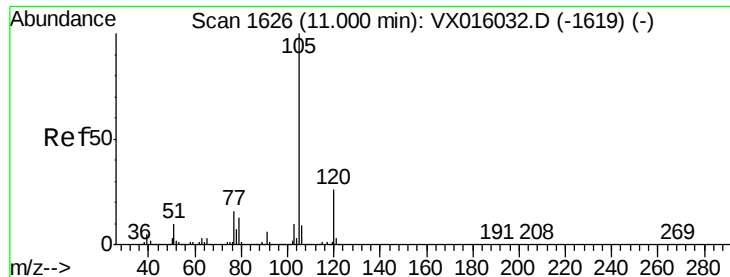
Delta R.T. -0.00 min

Lab File: VX016056.D

Acq: 05 May 2020 12:18

Tgt Ion:	152	Resp:	220852
Ion Ratio	Lower	Upper	
152	100		
115	59.0	41.3	124.1
150	154.4	0.0	352.2





#73

Isopropylbenzene

Concen: 0.491 ug/l

RT: 11.01 min Scan# 1627

Delta R.T. 0.01 min

Lab File: VX016056.D

Acq: 05 May 2020 12:18

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

Tot Ion:105 Resp: 7890

Ion Ratio Lower Upper

105 100

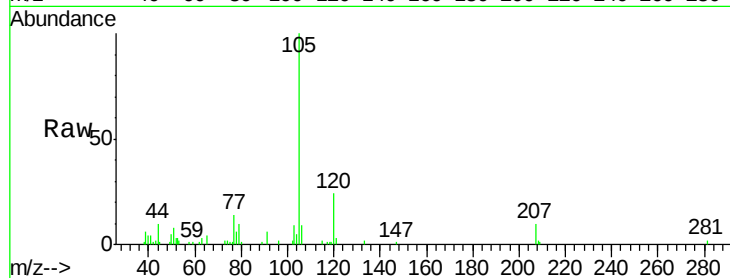
120 25.7 13.4 40.2

Manual Integrations

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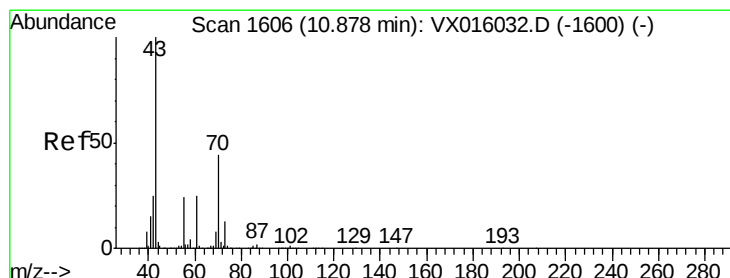
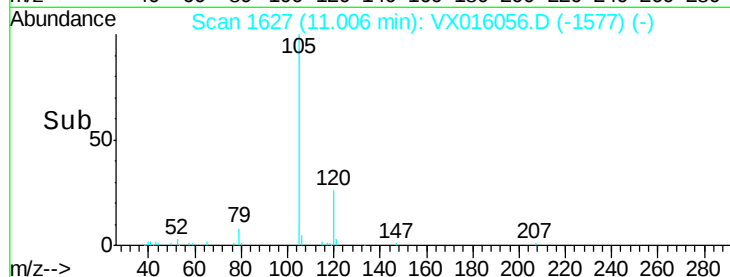
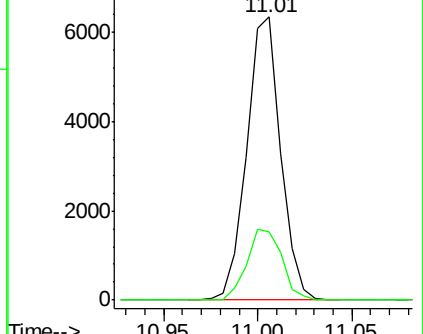
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 0.522 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. -0.00 min

Lab File: VX016056.D

Acq: 05 May 2020 12:18

Tgt Ion: 43 Resp: 3913

Ion Ratio Lower Upper

43 100

70 38.2 36.5 54.7

55 27.1 19.7 29.5

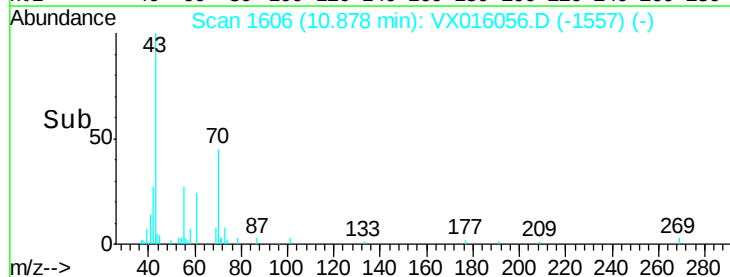
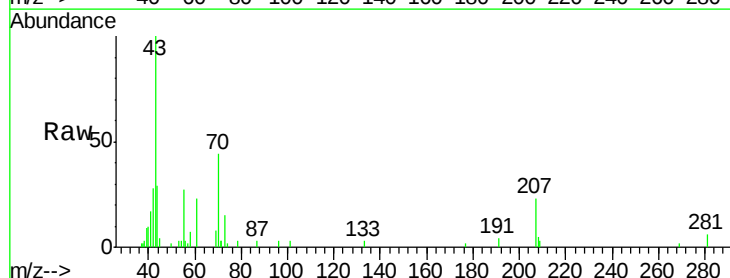
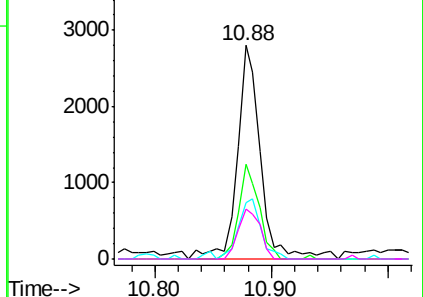
61 21.9 20.9 31.3

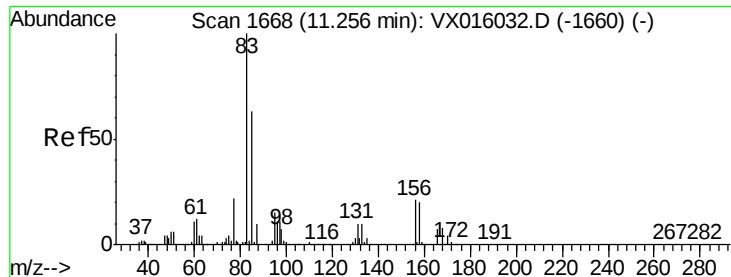
Abundance Ion 43.00 (42.70 to 43.70): VX0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 0.432 ug/l

RT: 11.26 min Scan# 1668

Delta R.T. -0.00 min

Lab File: VX016056.D

Acq: 05 May 2020 12:18

Instrument :

MSVOA_X

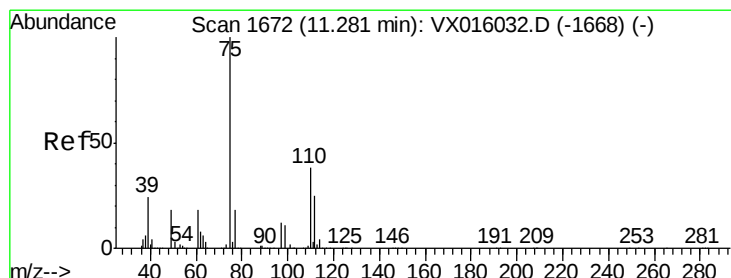
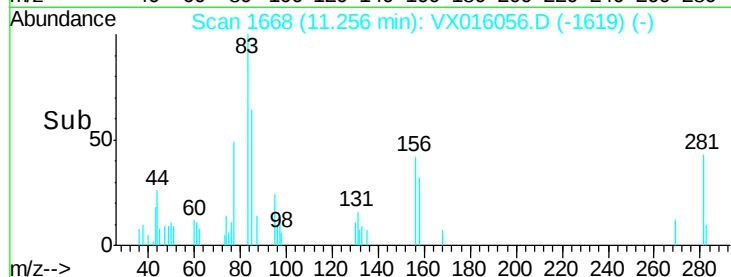
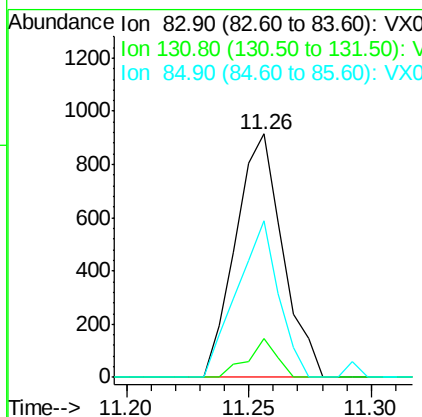
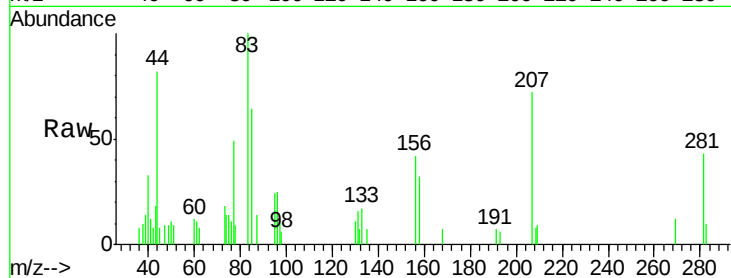
ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

Tot Ion:	83	Resp:	1225
Ion Ratio	Lower	Upper	
83	100		
131	9.8	5.1	15.4
85	57.1	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 0.691 ug/l m

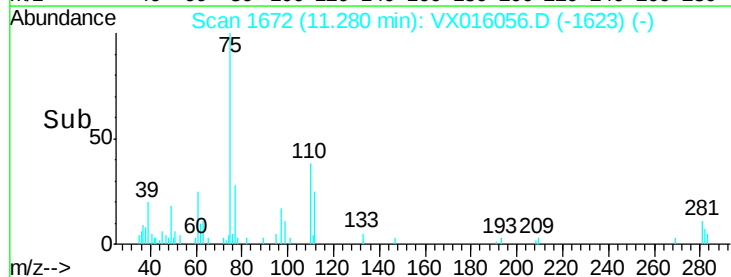
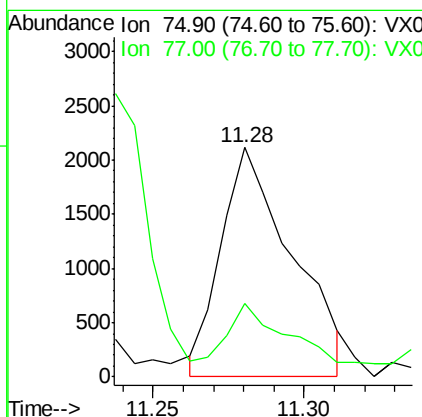
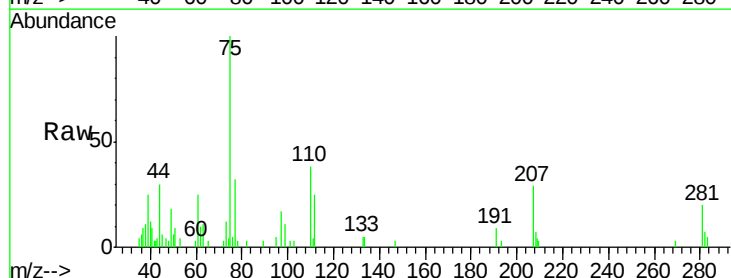
RT: 11.28 min Scan# 1672

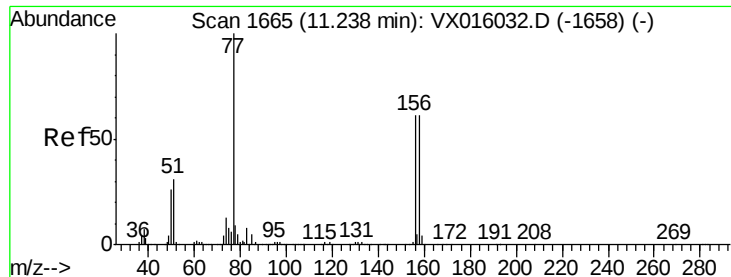
Delta R.T. -0.00 min

Lab File: VX016056.D

Acq: 05 May 2020 12:18

Tgt Ion:	75	Resp:	3465
Ion Ratio	Lower	Upper	
75	100		
77	33.2	21.2	63.6





#77

Bromobenzene

Concen: 0.551 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX016056.D

Acq: 05 May 2020 12:18

Instrument :

MSVOA_X

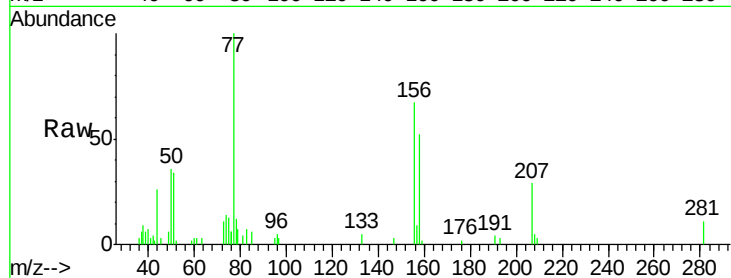
ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

Tot Ion:	156	Resp:	2286
Ion Ratio	Lower	Upper	
156	100		
77	159.4	80.1	240.3
158	89.9	49.4	148.2

Manual Integrations
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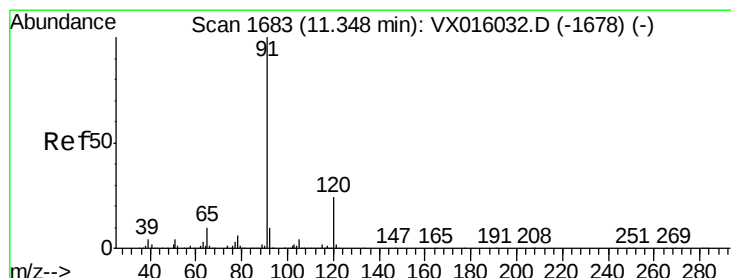
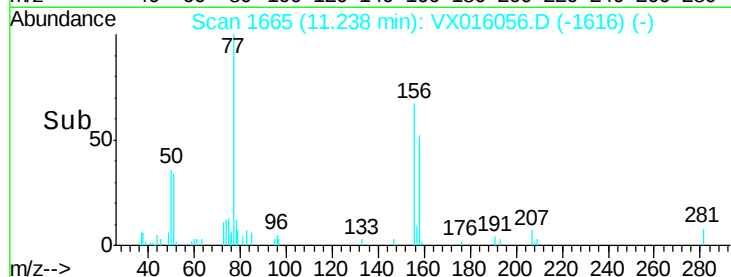
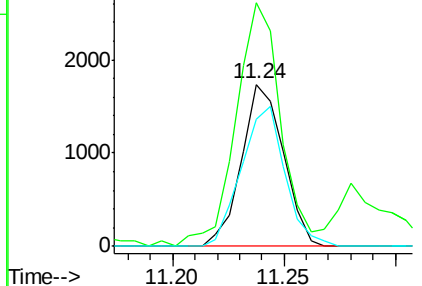
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 0.484 ug/l

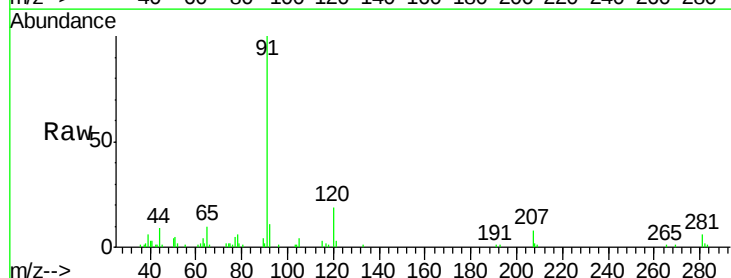
RT: 11.34 min Scan# 1682

Delta R.T. -0.01 min

Lab File: VX016056.D

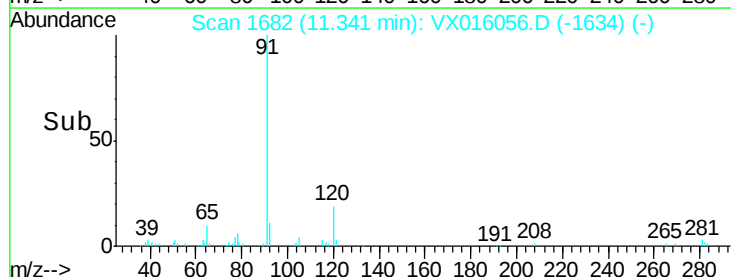
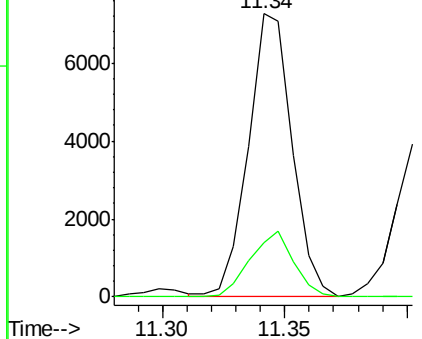
Acq: 05 May 2020 12:18

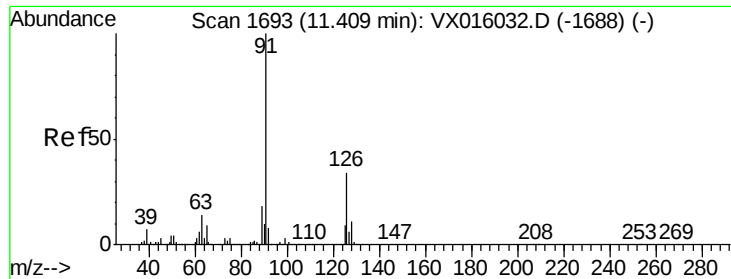
Tgt Ion:	91	Resp:	9041
Ion Ratio	Lower	Upper	
91	100		
120	23.0	11.5	34.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





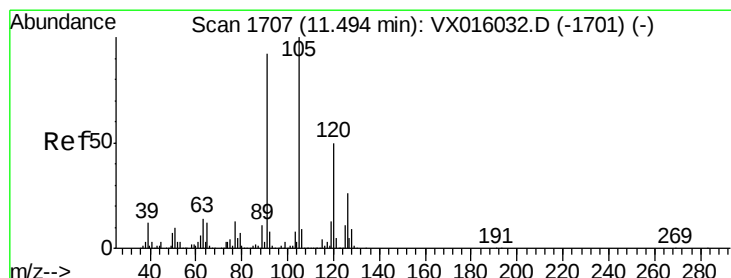
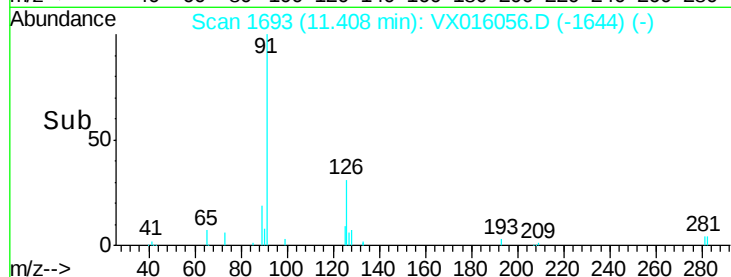
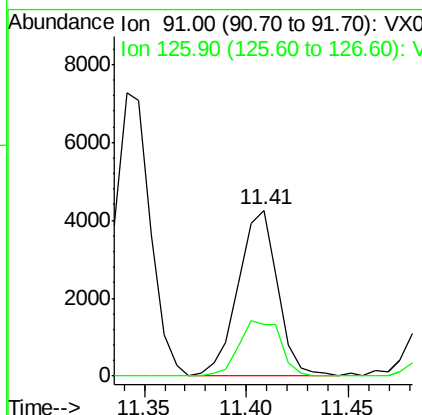
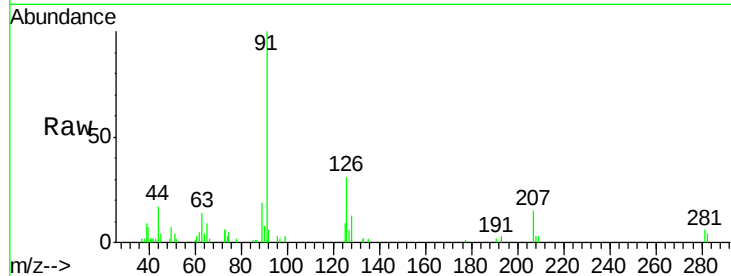
#79
2-Chlorotoluene
Concen: 0.519 ug/l
RT: 11.41 min Scan# 1693
Delta R.T. -0.00 min
Lab File: VX016056.D
Acq: 05 May 2020 12:18

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2020

Tot Ion: 91 Resp: 5727
Ion Ratio Lower Upper
91 100
126 35.4 16.9 50.6

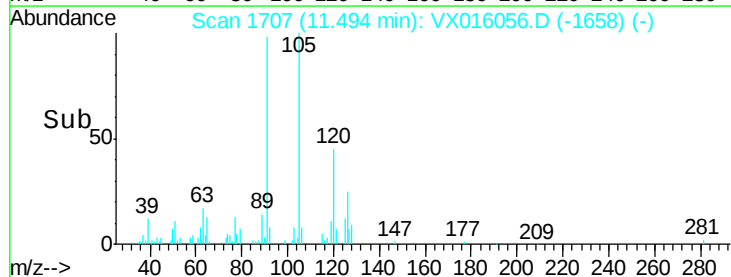
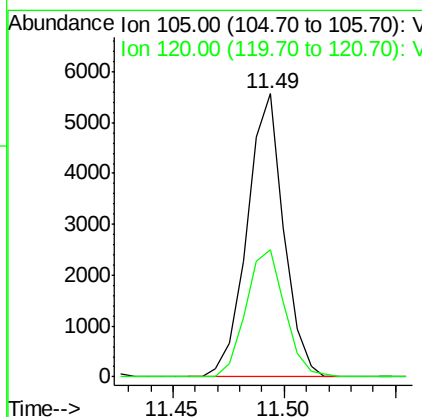
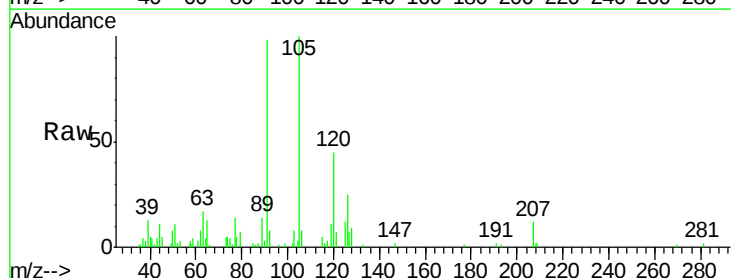
Manual Integrations
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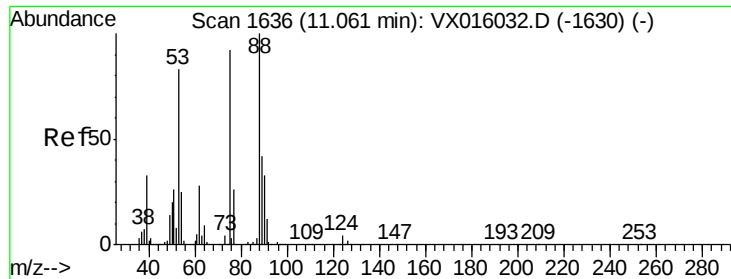
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#80
1,3,5-Trimethylbenzene
Concen: 0.471 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VX016056.D
Acq: 05 May 2020 12:18

Tgt Ion: 105 Resp: 6390
Ion Ratio Lower Upper
105 100
120 47.8 24.6 74.0





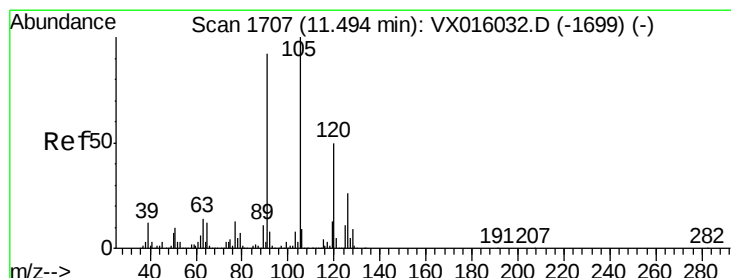
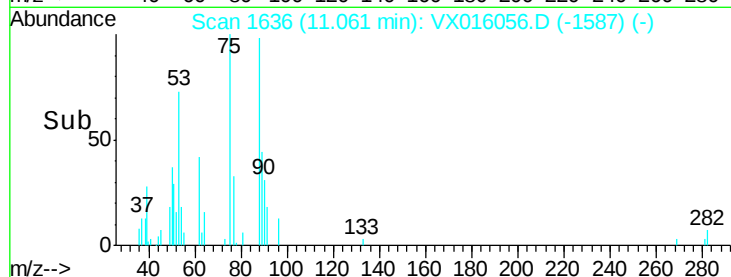
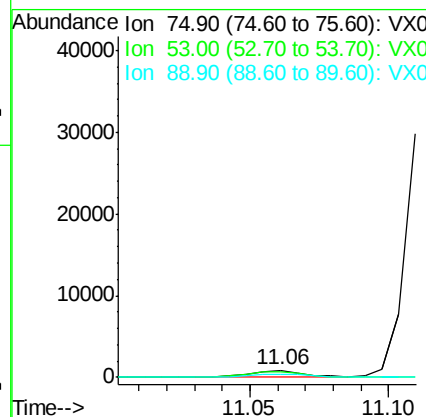
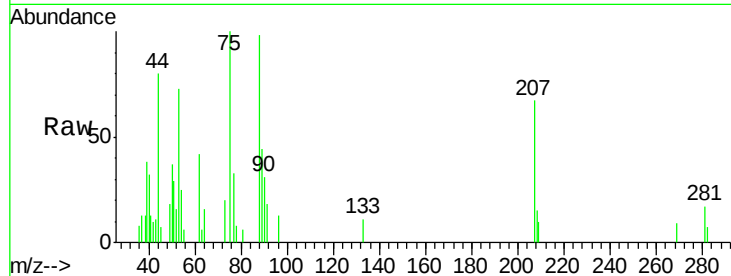
#81
trans-1,4-Dichloro-2-butene
Concen: 0.527 ug/l m
RT: 11.06 min Scan# 1636
Delta R.T. -0.00 min
Lab File: VX016056.D
Acq: 05 May 2020 12:18

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2020

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

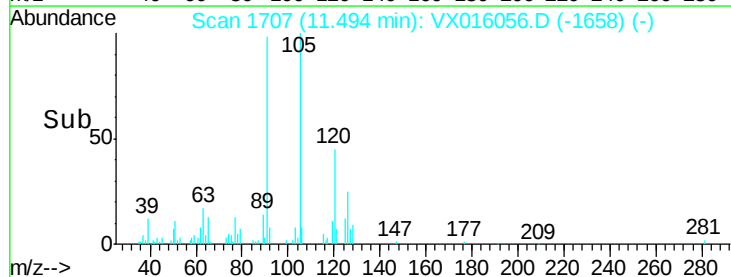
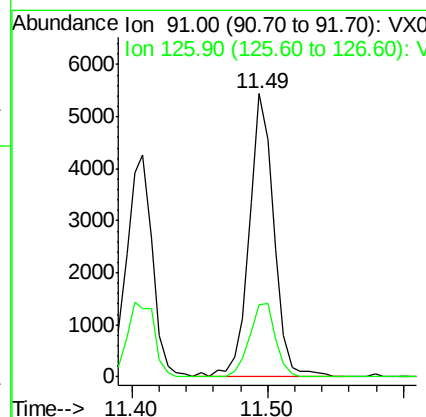
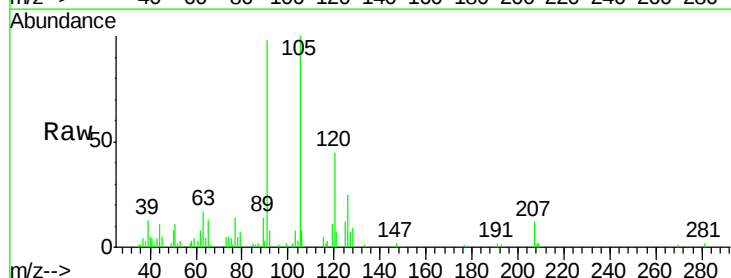
Manual Integrations
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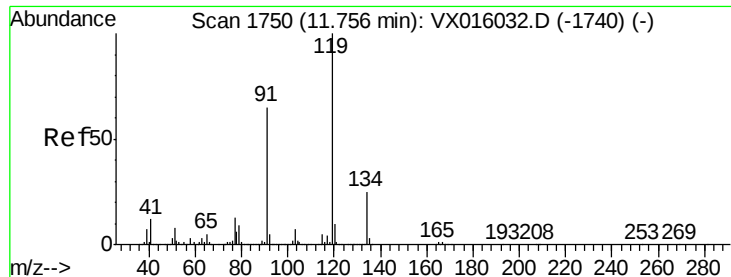
MMDadoda
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#82
4-Chlorotoluene
Concen: 0.531 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VX016056.D
Acq: 05 May 2020 12:18

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.3	14.8	44.3





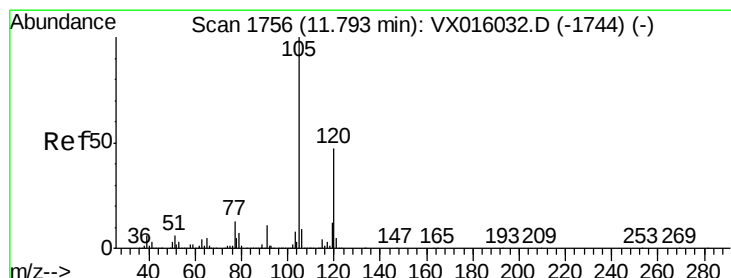
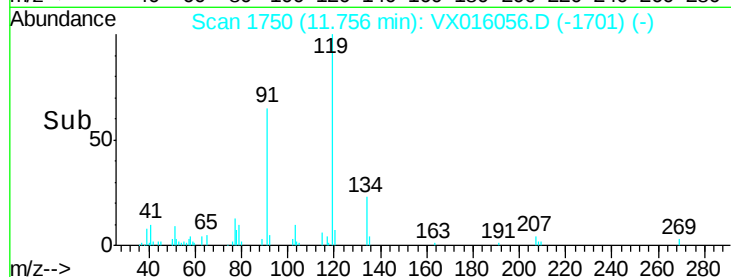
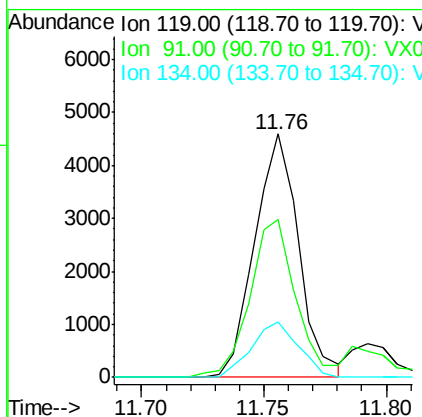
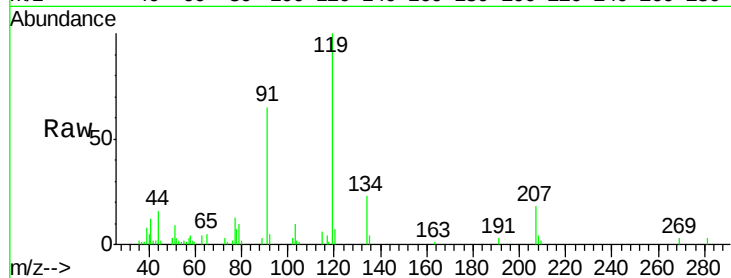
#83
 tert-Butylbenzene
 Concen: 0.489 ug/l
 RT: 11.76 min Scan# 1750
 Delta R.T. -0.00 min
 Lab File: VX016056.D
 Acq: 05 May 2020 12:18

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	5716		
91	68.3		32.8	98.4
134	24.4		12.4	37.0

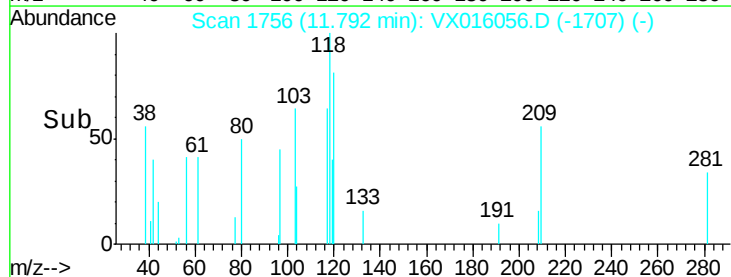
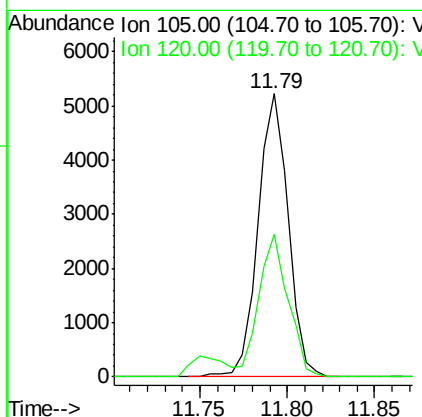
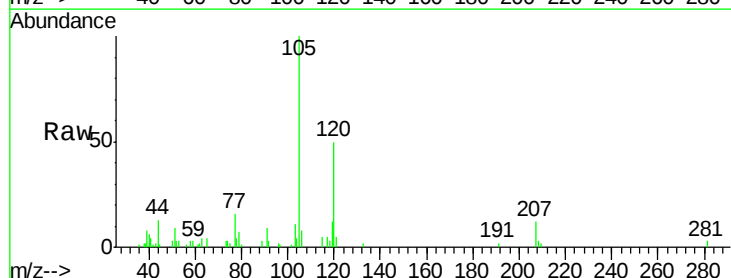
Manual Integrations
 APPROVED

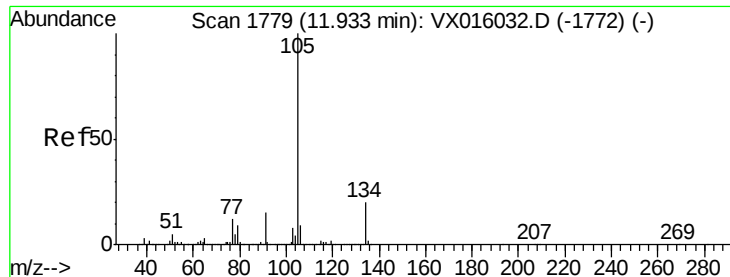
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 0.456 ug/l
 RT: 11.79 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VX016056.D
 Acq: 05 May 2020 12:18

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	6247		
120	49.7		23.0	69.0





#85

sec-Butylbenzene

Concen: 0.460 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VX016056.D

Acq: 05 May 2020 12:18

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

Tot Ion:105 Resp: 7261

Ion Ratio Lower Upper

105 100

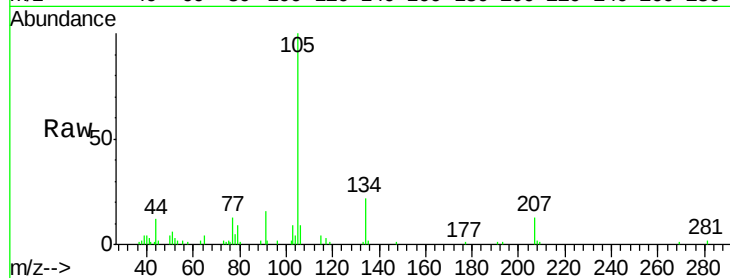
134 22.8 10.1 30.3

Manual Integrations

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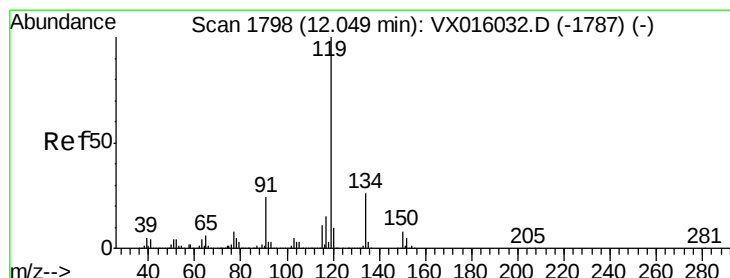
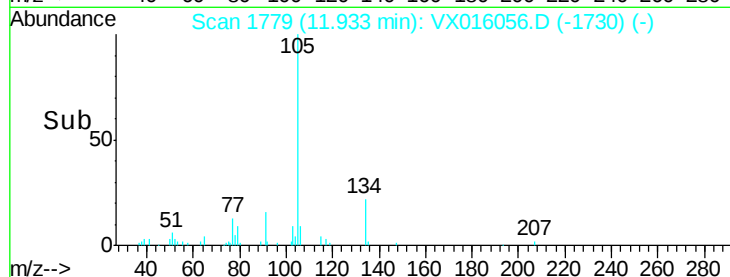
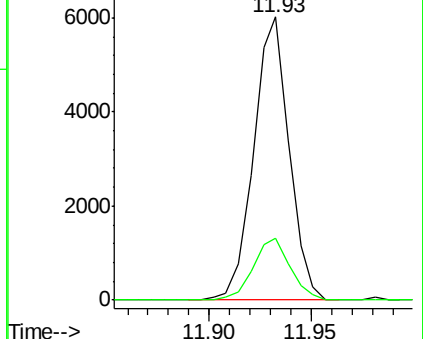
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.473 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VX016056.D

Acq: 05 May 2020 12:18

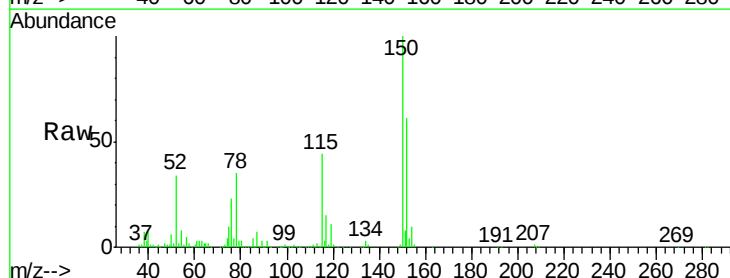
Tgt Ion:119 Resp: 6930

Ion Ratio Lower Upper

119 100

134 30.2 13.1 39.3

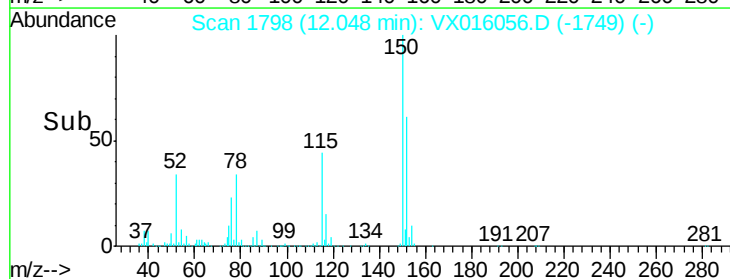
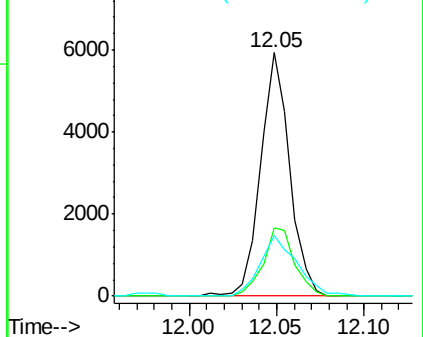
91 32.1 11.8 35.4

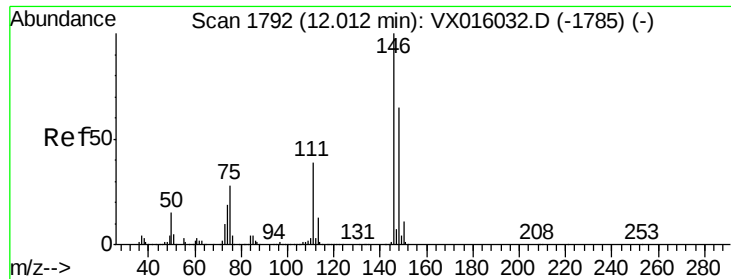


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 0.549 ug/l

RT: 12.01 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX016056.D

Acq: 05 May 2020 12:18

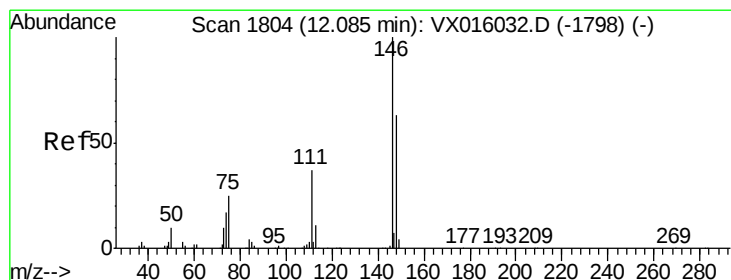
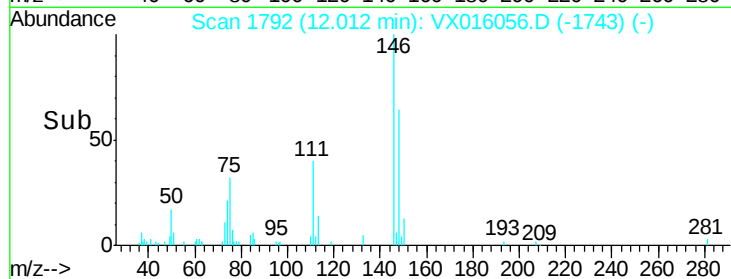
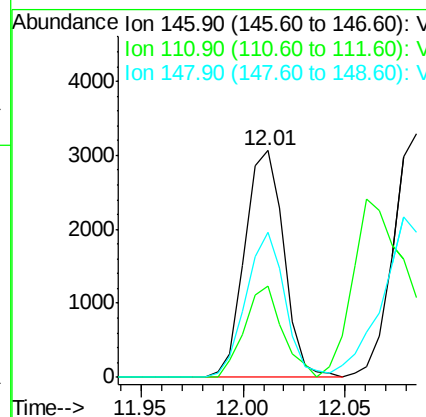
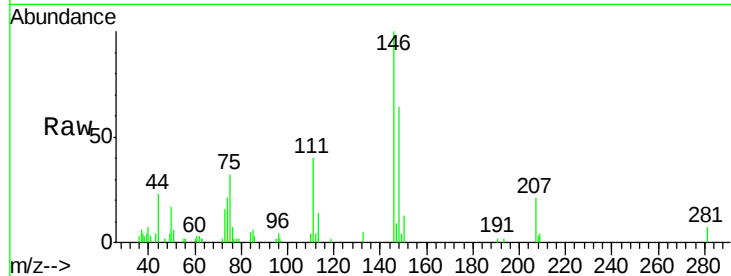
Instrument :
MSVOA_X

ClientSampleId :
LOD-MDL-WATER-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	20.2	60.6
148	64.1	32.1	96.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 0.559 ug/l m

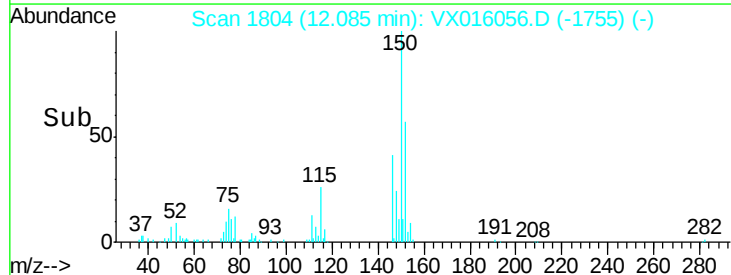
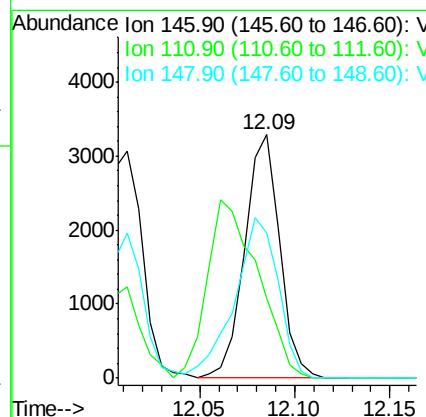
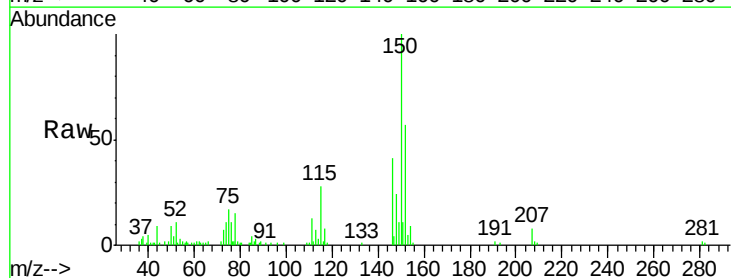
RT: 12.09 min Scan# 1804

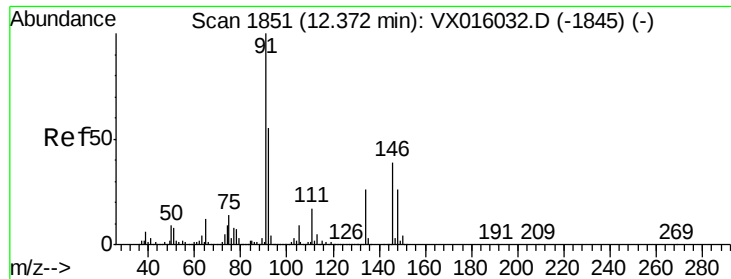
Delta R.T. -0.00 min

Lab File: VX016056.D

Acq: 05 May 2020 12:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.6	58.7
148	62.1	31.8	95.3





#89

n-Butylbenzene

Concen: 0.490 ug/l

RT: 12.37 min Scan# 1851

Delta R.T. -0.00 min

Lab File: VX016056.D

Acq: 05 May 2020 12:18

Instrument :

MSVOA_X

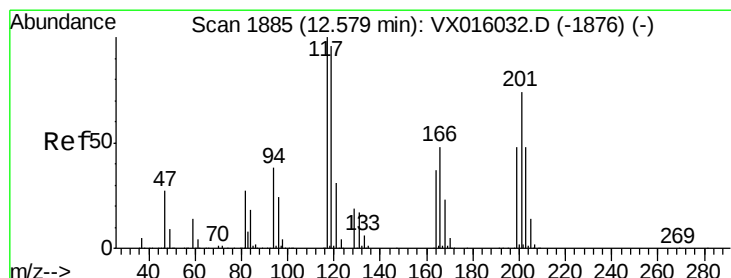
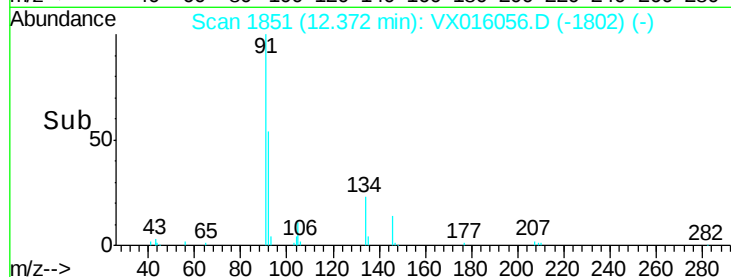
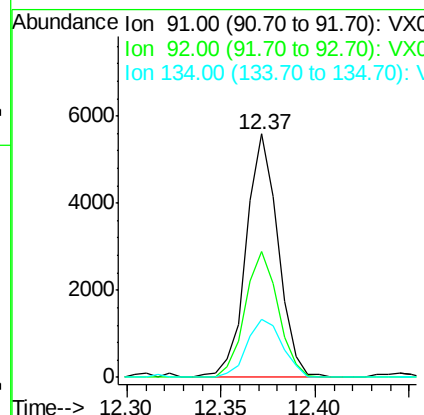
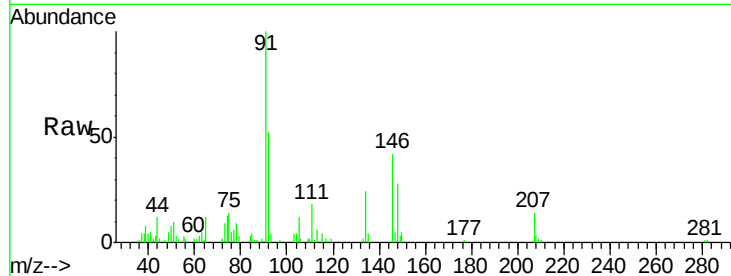
ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

Tot Ion:	91	Resp:	6556
Ion	Ratio	Lower	Upper
91	100		
92	53.6	27.6	82.7
134	26.3	13.4	40.1

Manual Integrations
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#90

Hexachloroethane

Concen: 0.442 ug/l

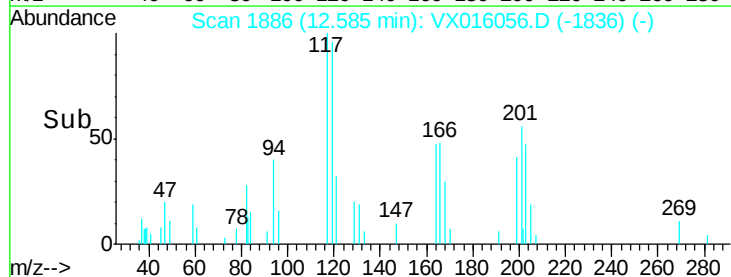
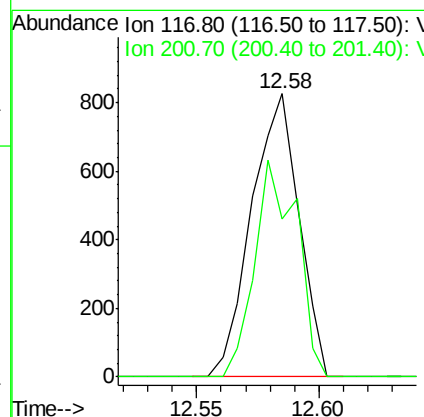
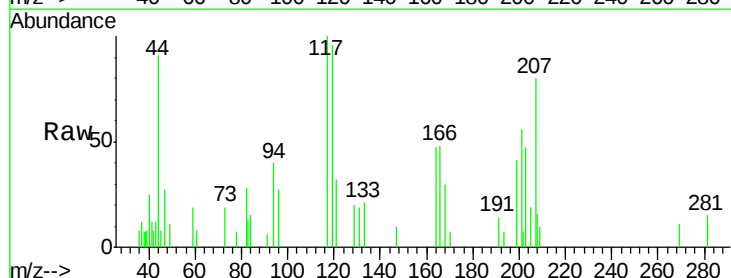
RT: 12.58 min Scan# 1886

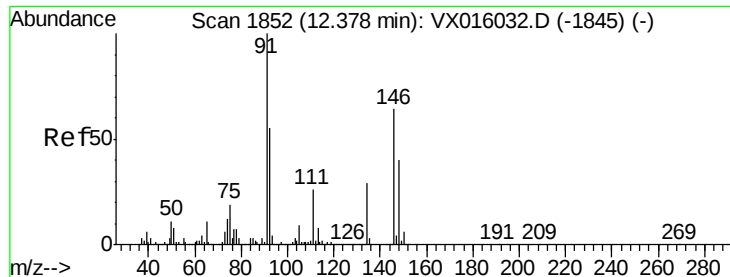
Delta R.T. 0.01 min

Lab File: VX016056.D

Acq: 05 May 2020 12:18

Tgt Ion:	117	Resp:	1112
Ion	Ratio	Lower	Upper
117	100		
201	67.9	39.8	119.3





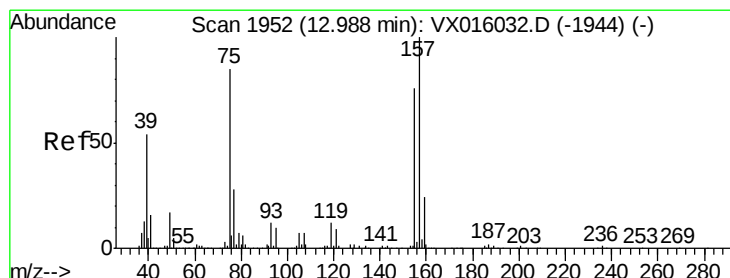
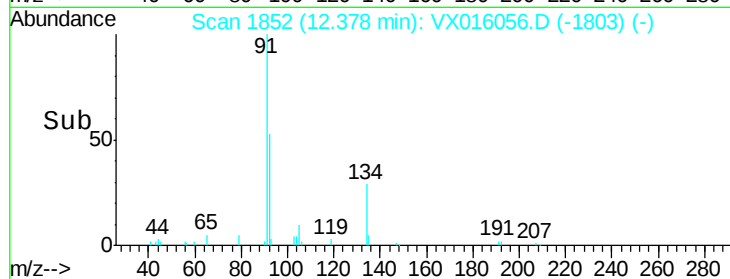
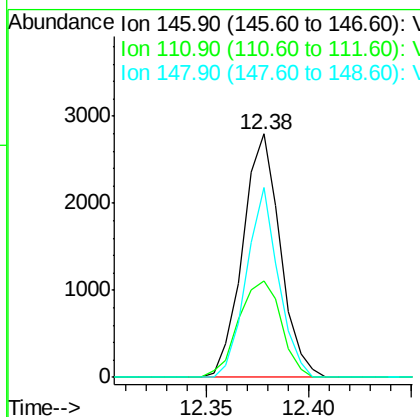
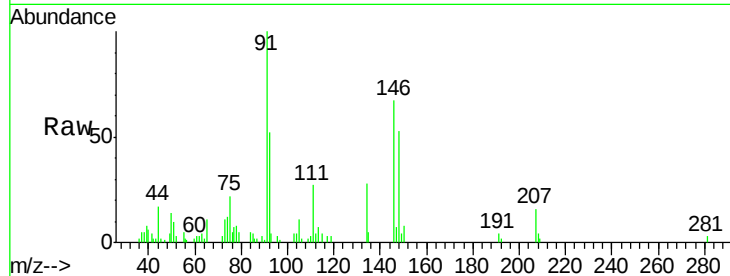
#91
1,2-Dichlorobenzene
Concen: 0.498 ug/l
RT: 12.38 min Scan# 1852
Delta R.T. -0.00 min
Lab File: VX016056.D
Acq: 05 May 2020 12:18

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.5	21.1	63.1
148	66.7	32.4	97.0

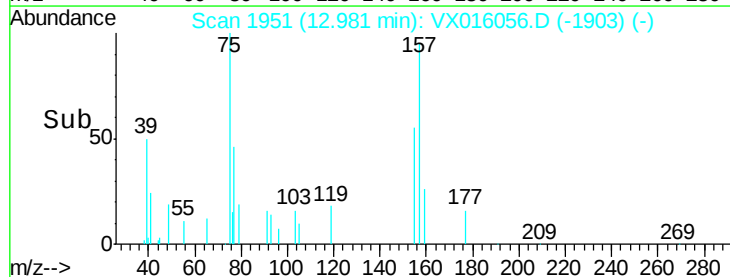
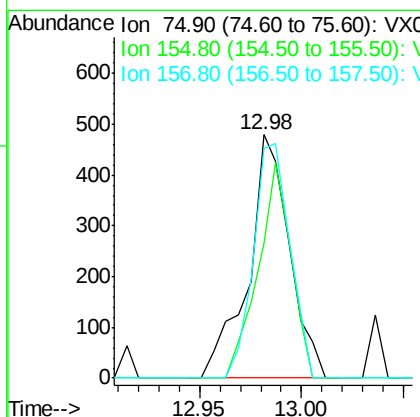
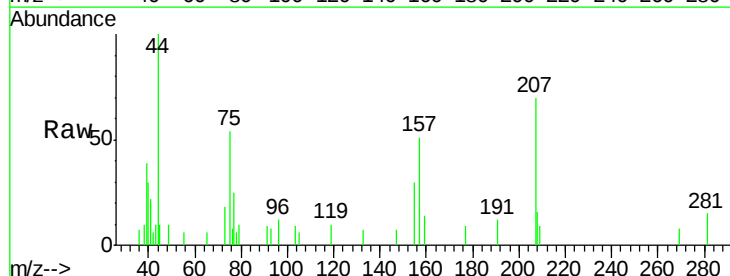
Manual Integrations
APPROVED

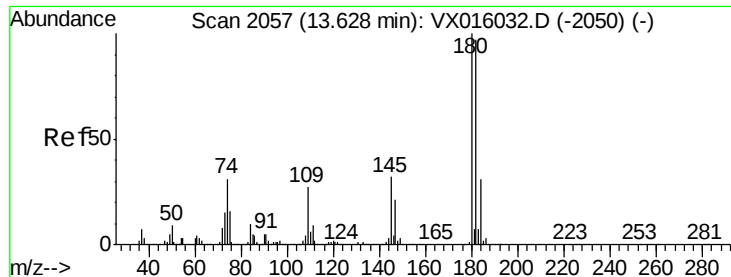
MMDadoda
5/6/2020 12:27:14 PM



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.510 ug/l
RT: 12.98 min Scan# 1951
Delta R.T. -0.01 min
Lab File: VX016056.D
Acq: 05 May 2020 12:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	70.8	42.5	127.5
157	85.3	55.3	165.8





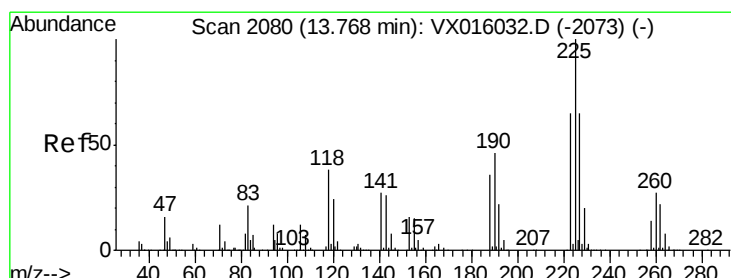
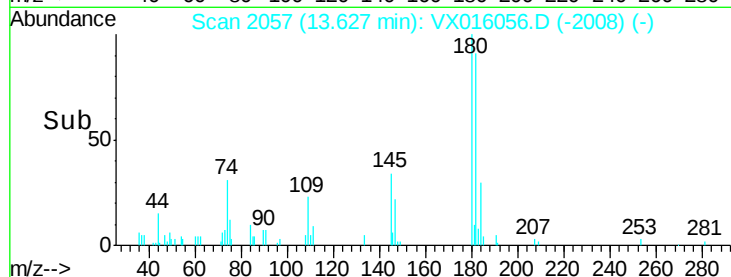
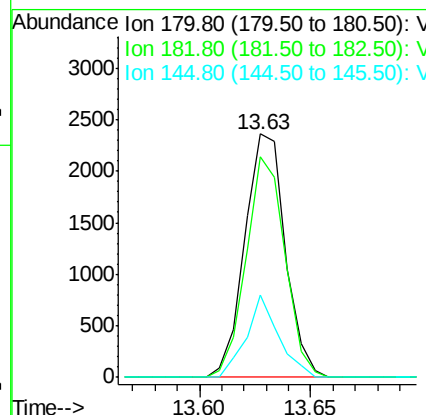
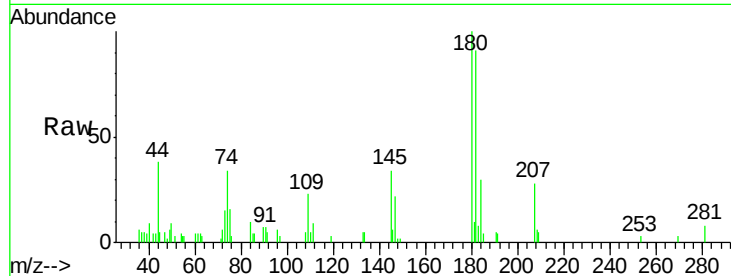
#93
 1,2,4-Trichlorobenzene
 Concen: 0.565 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX016056.D
 Acq: 05 May 2020 12:18

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
180	100		
182	87.0	48.7	146.1
145	27.0	15.7	47.1

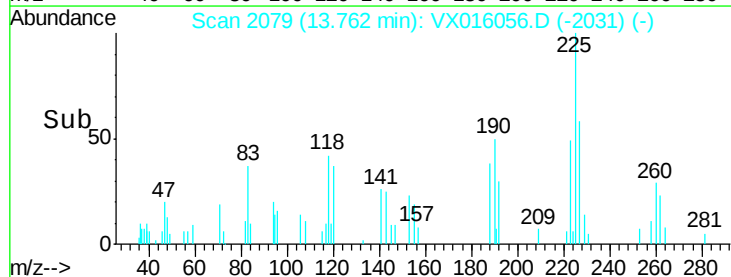
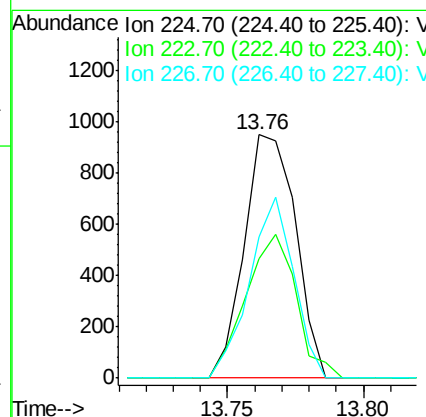
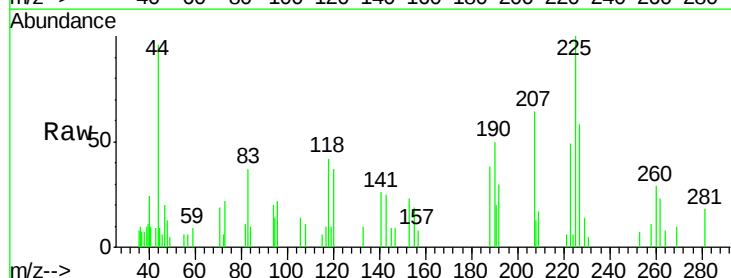
Manual Integrations
 APPROVED

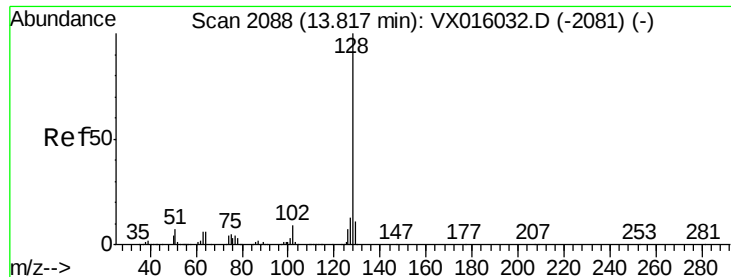
MMDadoda
 5/6/2020 12:27:14 PM



#94
 Hexachlorobutadiene
 Concen: 0.506 ug/l
 RT: 13.76 min Scan# 2079
 Delta R.T. -0.01 min
 Lab File: VX016056.D
 Acq: 05 May 2020 12:18

Tgt Ion	Ratio	Lower	Upper
225	100		
223	58.2	32.3	96.9
227	64.2	31.8	95.4





#95

Naphthalene

Concen: 0.471 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX016056.D

Acq: 05 May 2020 12:18

Instrument :

MSVOA_X

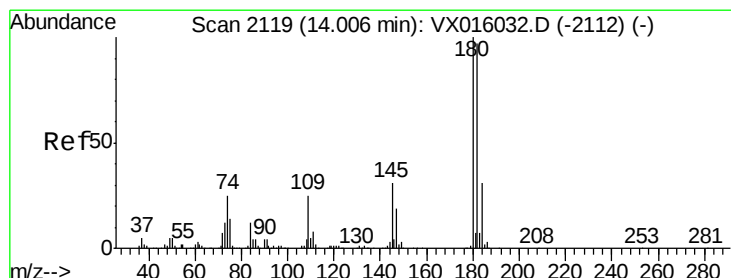
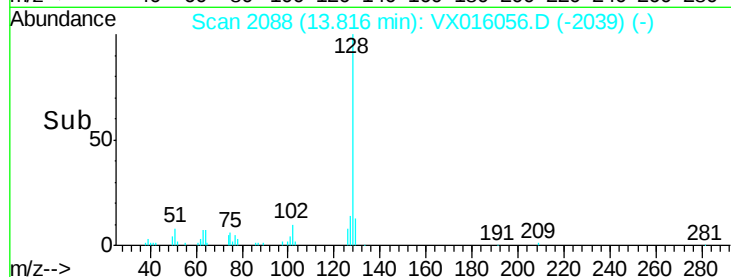
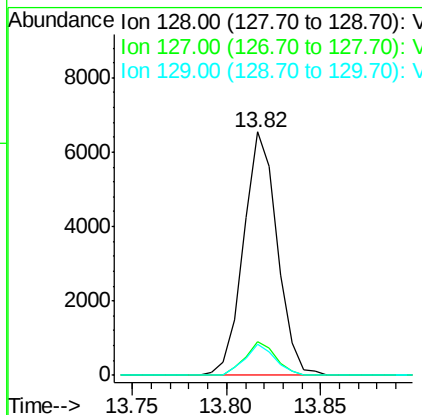
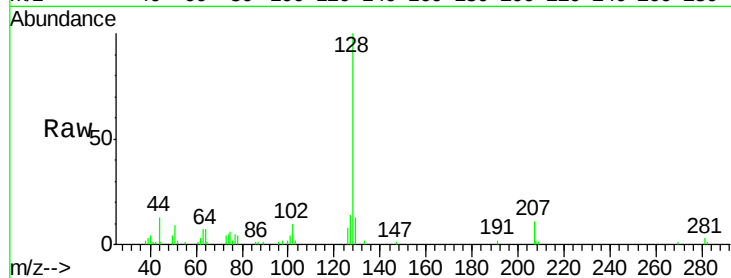
ClientSampleId :

LOD-MDL-WATER-01-QT2-2020

Tot Ion:	128	Resp:	8097
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.2	15.4
129	11.5	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
5/6/2020 12:27:14 PM



#96

1,2,3-Trichlorobenzene

Concen: 0.485 ug/l

RT: 14.01 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VX016056.D

Acq: 05 May 2020 12:18

Tgt Ion:	180	Resp:	2515
Ion Ratio	Lower	Upper	
180	100		
182	92.4	48.4	145.0
145	35.7	16.4	49.1

