

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071320\
 Data File : VX017356.D
 Acq On : 13 Jul 2020 16:28
 Operator : JC/SP
 Sample : L3216-07 .5PPB LOD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

Manual Integrations
 APPROVED

MMDadoda
 7/14/2020 11:36:01 AM

Quant Time: Jul 14 03:35:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071320W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 14 03:17:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	334565	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	529795	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	489669	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	238251	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	195306	46.51	ug/l	0.00
Spiked Amount			Recovery	=	93.02%	
35) Dibromofluoromethane	5.47	113	159079	44.58	ug/l	0.00
Spiked Amount			Recovery	=	89.16%	
50) Toluene-d8	8.70	98	573053	44.52	ug/l	0.00
Spiked Amount			Recovery	=	89.04%	
62) 4-Bromofluorobenzene	11.12	95	210313	41.13	ug/l	0.00
Spiked Amount			Recovery	=	82.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	1514	0.535	ug/l	82
3) Chloromethane	1.32	50	2377	0.746	ug/l	93
4) Vinyl Chloride	1.40	62	1907	0.605	ug/l	94
5) Bromomethane	1.64	94	1881	0.916	ug/l	98
6) Chloroethane	1.72	64	1172	0.589	ug/l #	29
7) Trichlorofluoromethane	1.92	101	2928	0.550	ug/l	91
8) Diethyl Ether	2.17	74	1428	0.759	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.36	101	1700	0.561	ug/l #	90
10) Methyl Iodide	2.50	142	1733	0.471	ug/l	96
11) Tert butyl alcohol	3.01	59	2058	2.909	ug/l #	70
12) 1,1-Dichloroethene	2.36	96	2459	0.808	ug/l #	79
13) Acrolein	2.27	56	1473	3.798	ug/l	94
14) Allyl chloride	2.71	41	2930	0.555	ug/l	89
15) Acrylonitrile	3.12	53	5504	3.209	ug/l	99
16) Acetone	2.42	43	5377	3.589	ug/l	92
17) Carbon Disulfide	2.55	76	6777	0.763	ug/l #	95
18) Methyl Acetate	2.75	43	2621	0.708	ug/l #	88
19) Methyl tert-butyl Ether	3.17	73	5985	0.579	ug/l	92
20) Methylene Chloride	2.84	84	3613	0.989	ug/l	87
21) trans-1,2-Dichloroethene	3.14	96	2119	0.608	ug/l	89
22) Diisopropyl ether	3.83	45	5660	0.563	ug/l #	75
23) Vinyl Acetate	3.79	43	21695	2.455	ug/l #	92
24) 1,1-Dichloroethane	3.67	63	3250	0.550	ug/l #	87
25) 2-Butanone	4.65	43	7694	3.234	ug/l	97
26) 2,2-Dichloropropane	4.55	77	3039	0.553	ug/l	96
27) cis-1,2-Dichloroethene	4.57	96	2616	0.685	ug/l	90
28) Bromochloromethane	4.98	49	1874	0.687	ug/l #	85
29) Tetrahydrofuran	5.10	42	4273	2.774	ug/l	95
30) Chloroform	5.18	83	3689	0.581	ug/l	100
31) Cyclohexane	5.55	56	3120	0.645	ug/l #	70
32) 1,1,1-Trichloroethane	5.47	97	3363m	0.573	ug/l	
36) 1,1-Dichloropropene	5.78	75	2926	0.600	ug/l	91
37) Ethyl Acetate	4.81	43	3183	0.632	ug/l #	82
38) Carbon Tetrachloride	5.76	117	2916	0.511	ug/l #	74

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	3431	0.648	ug/l	94
40) Benzene	6.12	78	7843	0.560	ug/l	99
41) Methacrylonitrile	5.03	41	1823m	0.674	ug/l	
42) 1,2-Dichloroethane	6.15	62	3786	0.696	ug/l	97
43) Isopropyl Acetate	6.42	43	4932	0.612	ug/l	97
44) Trichloroethene	7.20	130	2539	0.594	ug/l	89
45) 1,2-Dichloropropane	7.49	63	2361	0.659	ug/l	90
46) Dibromomethane	7.64	93	1533	0.593	ug/l	98
47) Bromodichloromethane	7.87	83	2941	0.544	ug/l #	94
48) Methyl methacrylate	7.75	41	2266	0.586	ug/l #	88
49) 1,4-Dioxane	7.73	88	957	12.101	ug/l #	72
51) 4-Methyl-2-Pentanone	8.62	43	11076	2.256	ug/l	96
52) Toluene	8.77	92	5173	0.576	ug/l	92
53) t-1,3-Dichloropropene	9.02	75	3340	0.574	ug/l	94
54) cis-1,3-Dichloropropene	8.42	75	3261	0.525	ug/l #	90
55) 1,1,2-Trichloroethane	9.20	97	2123	0.566	ug/l #	81
56) Ethyl methacrylate	9.16	69	2393	0.450	ug/l #	83
57) 1,3-Dichloropropane	9.35	76	3539	0.568	ug/l	91
58) 2-Chloroethyl Vinyl ether	8.29	63	5736	2.123	ug/l	94
59) 2-Hexanone	9.48	43	8264	2.230	ug/l	96
60) Dibromochloromethane	9.57	129	2122	0.463	ug/l	98
61) 1,2-Dibromoethane	9.65	107	2191	0.537	ug/l	95
64) Tetrachloroethene	9.32	164	2793	0.659	ug/l	88
65) Chlorobenzene	10.12	112	5976	0.601	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	2258	0.570	ug/l #	67
67) Ethyl Benzene	10.24	91	8144	0.492	ug/l	98
68) m/p-Xylenes	10.34	106	6514	1.033	ug/l	93
69) o-Xylene	10.68	106	2835	0.471	ug/l	94
70) Styrene	10.70	104	4702	0.455	ug/l	92
71) Bromoform	10.84	173	1533	0.459	ug/l #	90
73) Isopropylbenzene	11.00	105	7465	0.500	ug/l	98
74) N-amyl acetate	10.88	43	3009	0.503	ug/l	90
75) 1,1,2,2-Tetrachloroethane	11.26	83	2964	0.654	ug/l	91
76) 1,2,3-Trichloropropane	11.28	75	3176m	0.721	ug/l	
77) Bromobenzene	11.24	156	2732	0.642	ug/l	99
78) n-propylbenzene	11.35	91	8789	0.524	ug/l	100
79) 2-Chlorotoluene	11.40	91	5887	0.570	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	6586	0.519	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.06	75	1184m	0.682	ug/l	
82) 4-Chlorotoluene	11.49	91	7165	0.585	ug/l	96
83) tert-Butylbenzene	11.76	119	6285	0.513	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	6243	0.487	ug/l	92
85) sec-Butylbenzene	11.93	105	6484	0.452	ug/l	96
86) p-Isopropyltoluene	12.05	119	6435	0.474	ug/l	84
87) 1,3-Dichlorobenzene	12.01	146	4691	0.616	ug/l	97
88) 1,4-Dichlorobenzene	12.08	146	5554m	0.722	ug/l	
89) n-Butylbenzene	12.37	91	6216	0.537	ug/l	95
90) Hexachloroethane	12.58	117	1363	0.529	ug/l	91
91) 1,2-Dichlorobenzene	12.38	146	4484	0.627	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	785	0.656	ug/l	72

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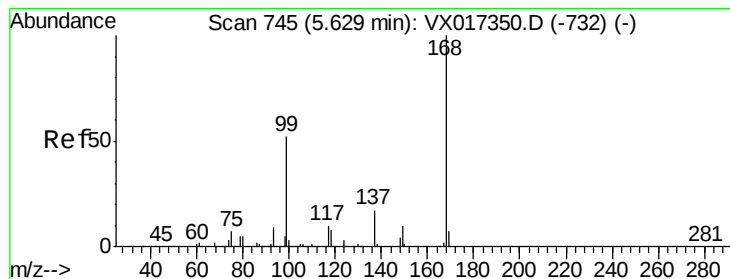
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	3120	0.629	ug/l	92
94) Hexachlorobutadiene	13.76	225	1453	0.718	ug/l	93
95) Naphthalene	13.82	128	7236	0.496	ug/l #	96
96) 1,2,3-Trichlorobenzene	14.01	180	2880	0.601	ug/l	92

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.00 min

Lab File: VX017356.D

Acq: 13 Jul 2020 16:28

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion:168 Resp: 334565

Ion Ratio Lower Upper

168 100

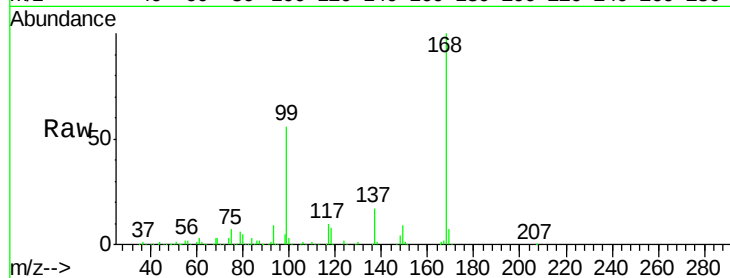
99 55.6 41.6 62.4

Manual Integrations

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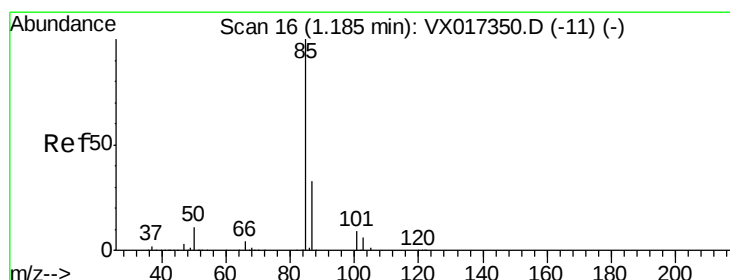
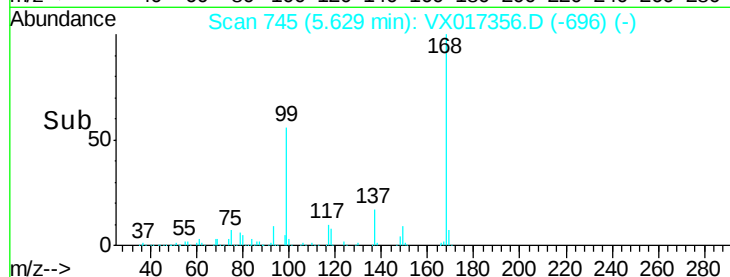
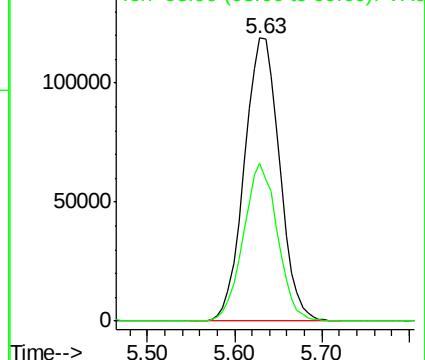
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 0.535 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX017356.D

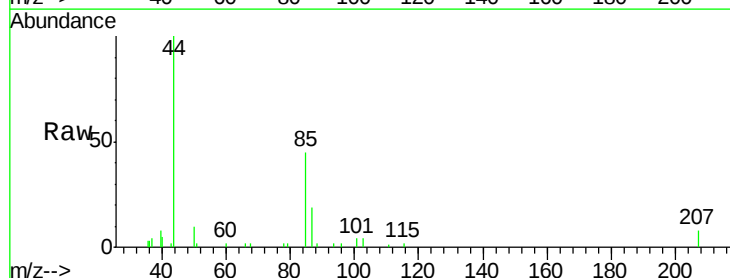
Acq: 13 Jul 2020 16:28

Tgt Ion: 85 Resp: 1514

Ion Ratio Lower Upper

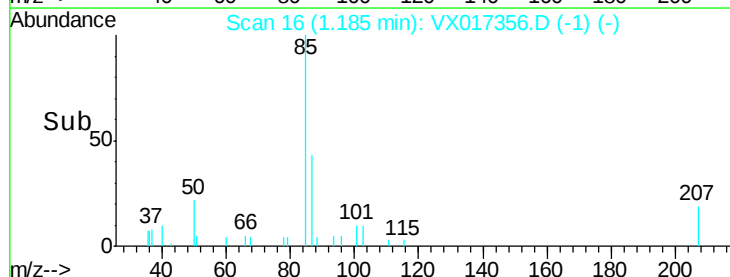
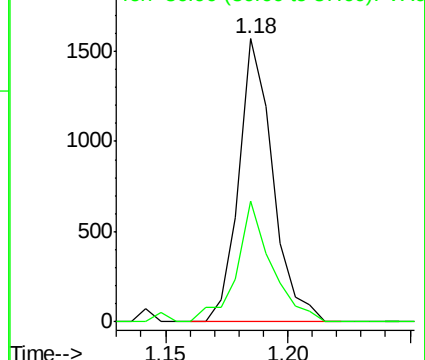
85 100

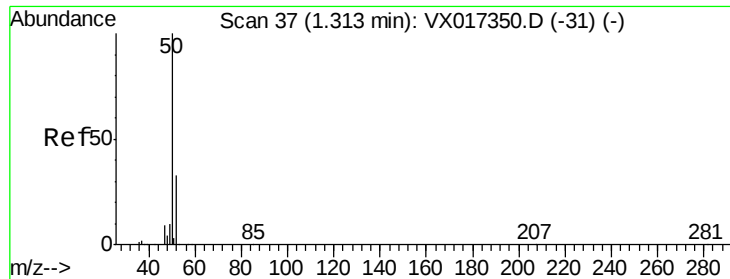
87 42.6 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 0.746 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX017356.D

Acq: 13 Jul 2020 16:28

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion: 50 Resp: 2377

Ion Ratio Lower Upper

50 100

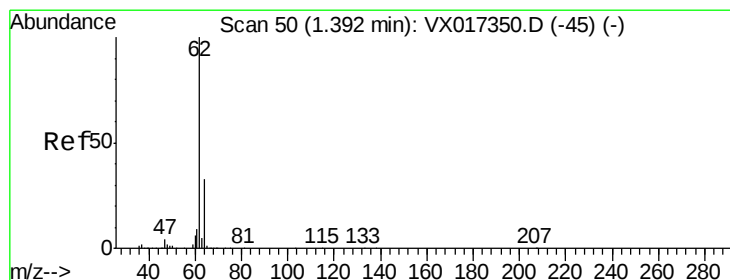
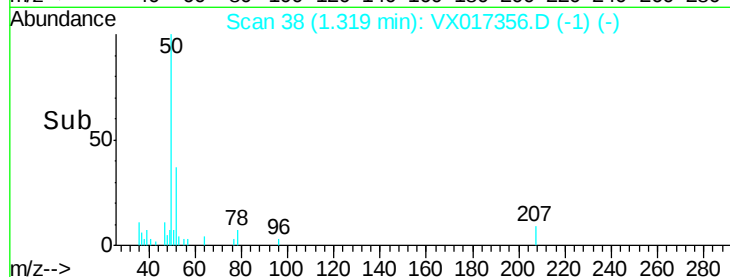
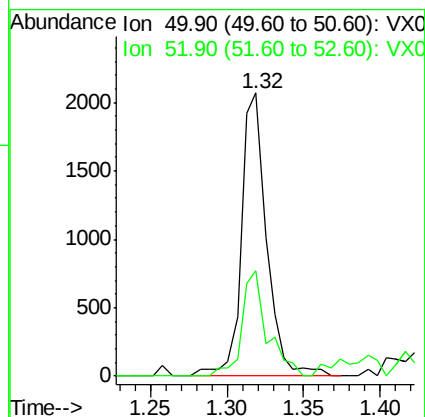
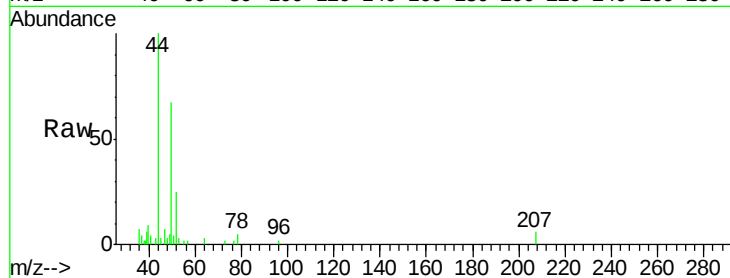
52 37.2 26.7 40.1

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#4

Vinyl Chloride

Concen: 0.605 ug/l

RT: 1.40 min Scan# 51

Delta R.T. 0.01 min

Lab File: VX017356.D

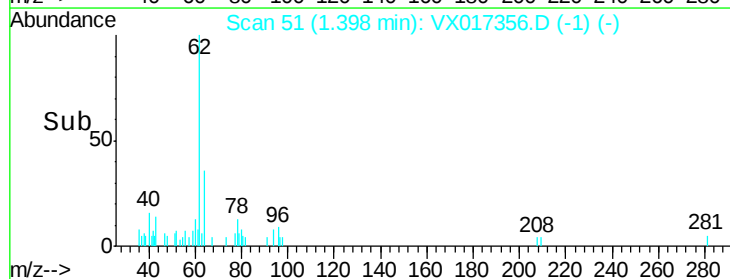
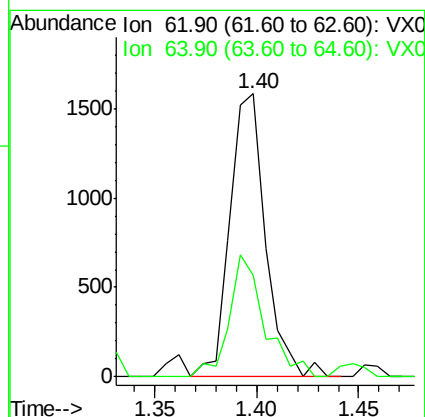
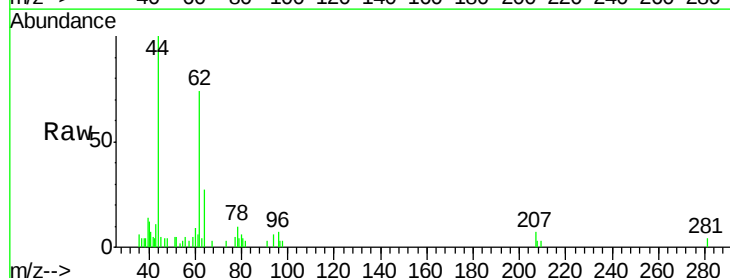
Acq: 13 Jul 2020 16:28

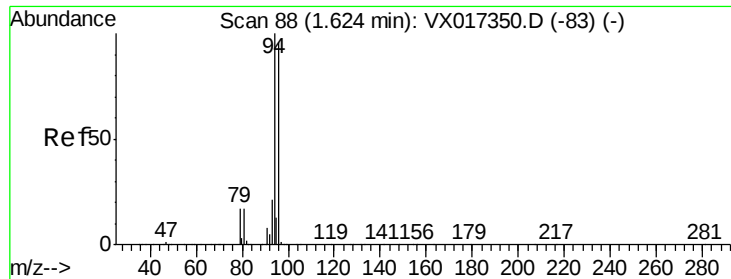
Tgt Ion: 62 Resp: 1907

Ion Ratio Lower Upper

62 100

64 36.1 26.3 39.5





#5

Bromomethane

Concen: 0.916 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX017356.D

Acq: 13 Jul 2020 16:28

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion: 94 Resp: 1881

Ion Ratio Lower Upper

94 100

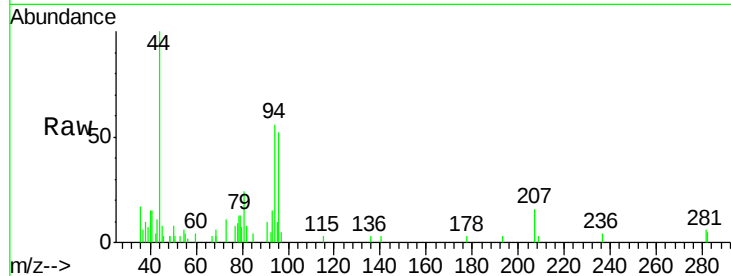
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Manual Integrations

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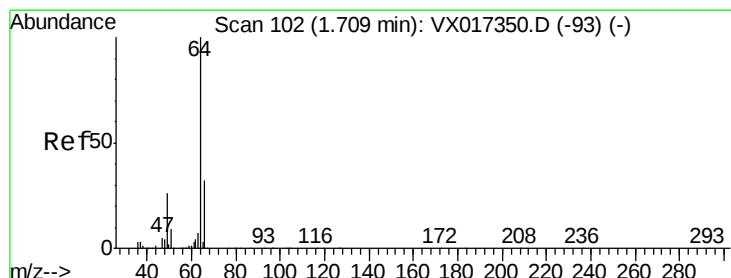
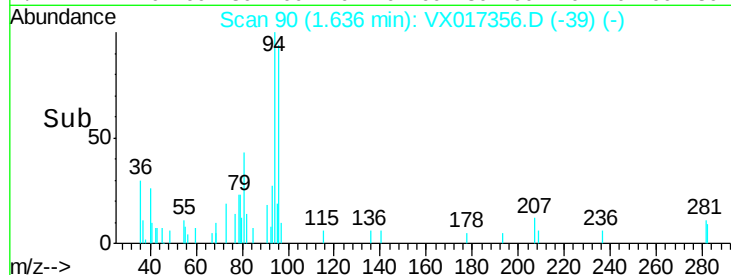
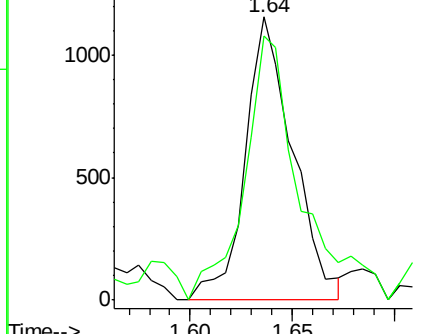
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.589 ug/l

RT: 1.72 min Scan# 104

Delta R.T. 0.01 min

Lab File: VX017356.D

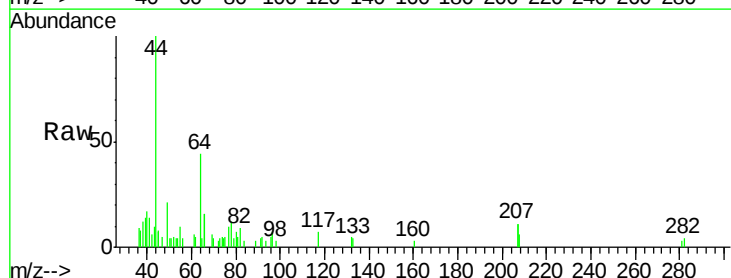
Acq: 13 Jul 2020 16:28

Tgt Ion: 64 Resp: 1172

Ion Ratio Lower Upper

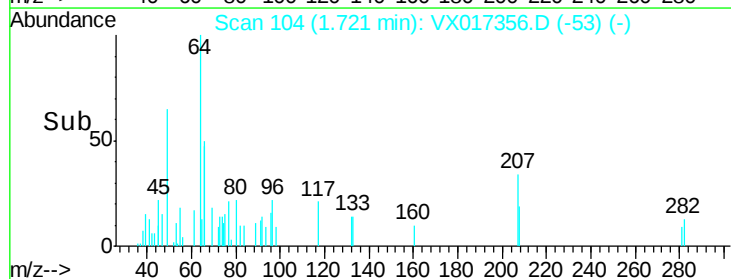
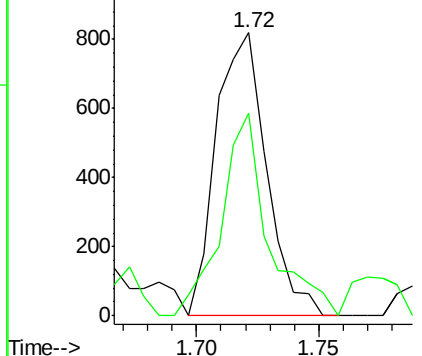
64 100

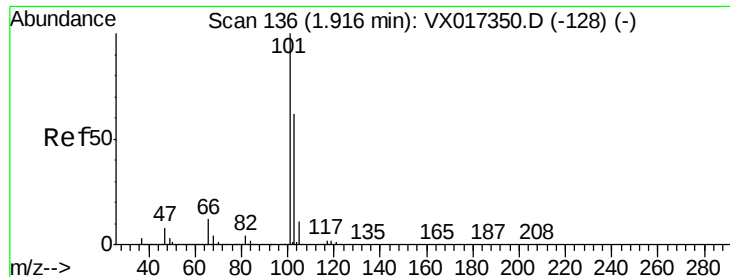
66 71.6 25.7 38.5#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

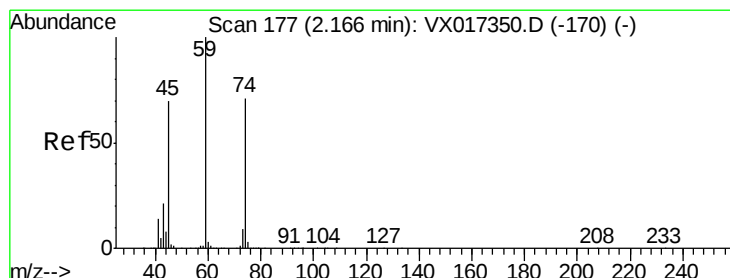
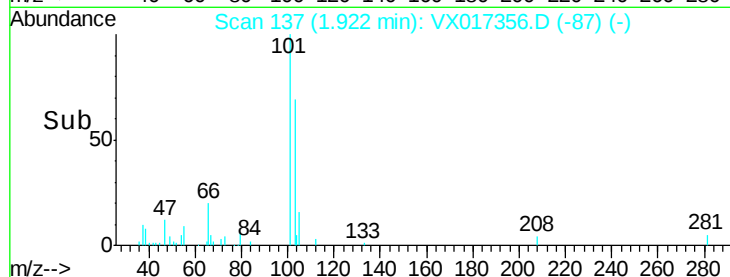
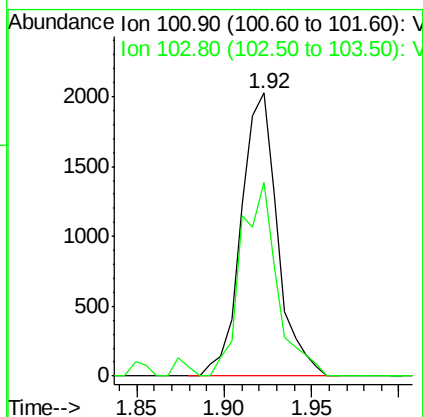
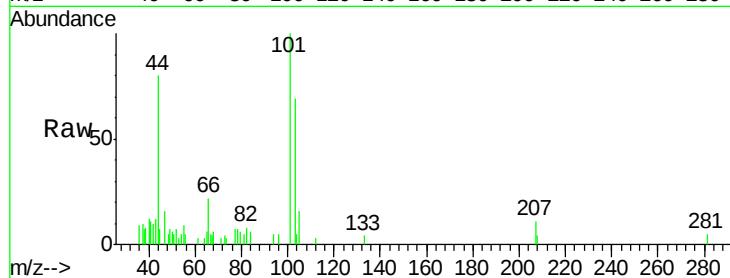
Trichlorofluoromethane
Concen: 0.550 ug/l
RT: 1.92 min Scan# 137
Delta R.T. 0.01 min
Lab File: VX017356.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	68.6	49.6	74.4

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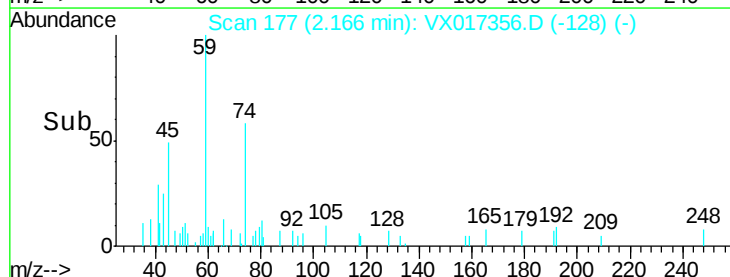
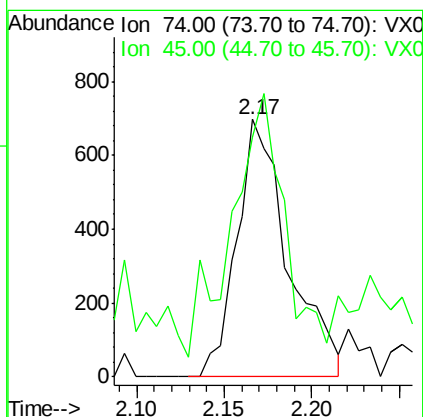
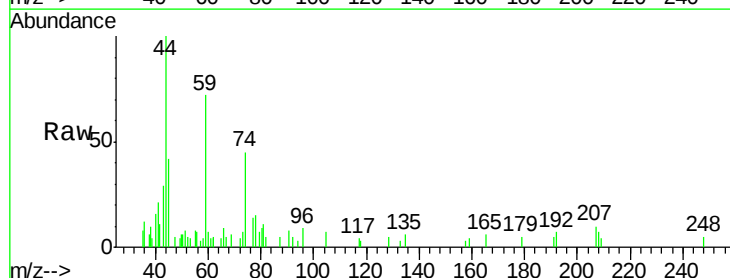
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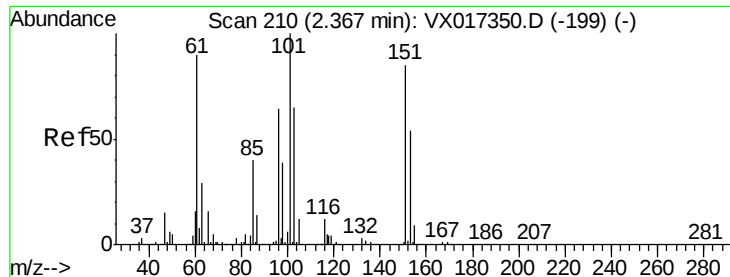


#8

Diethyl Ether
Concen: 0.759 ug/l
RT: 2.17 min Scan# 177
Delta R.T. 0.00 min
Lab File: VX017356.D
Acq: 13 Jul 2020 16:28

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.4	47.2	141.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.561 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.01 min

Lab File: VX017356.D

Acq: 13 Jul 2020 16:28

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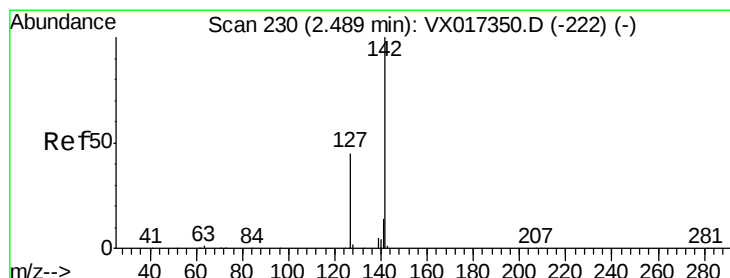
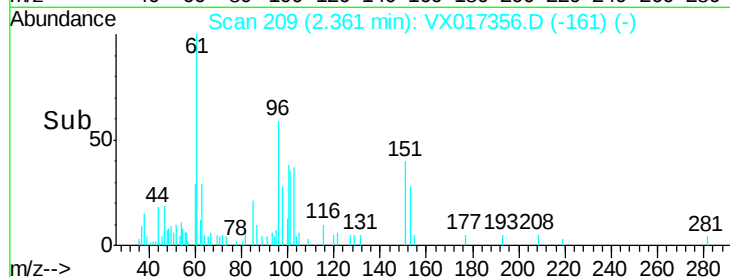
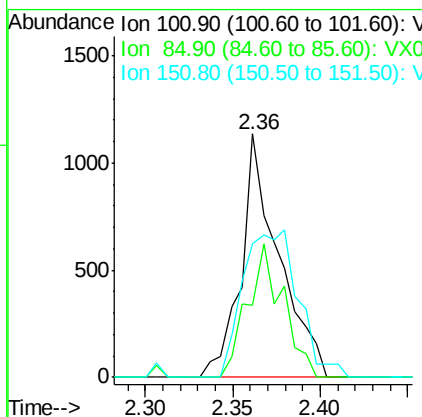
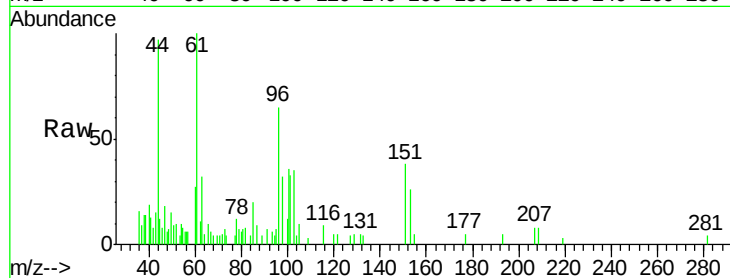
ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion:	101	Resp:	1700
Ion Ratio	Lower	Upper	
101	100		
85	51.9	33.7	50.5#
151	89.5	66.4	99.6

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#10

Methyl Iodide

Concen: 0.471 ug/l

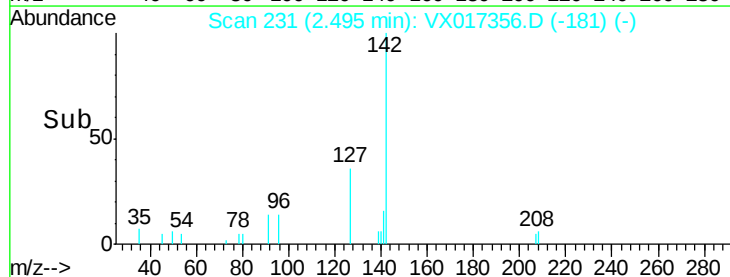
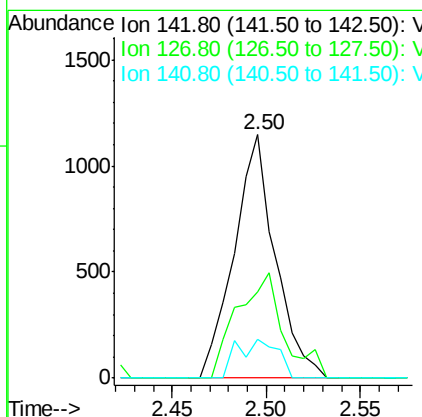
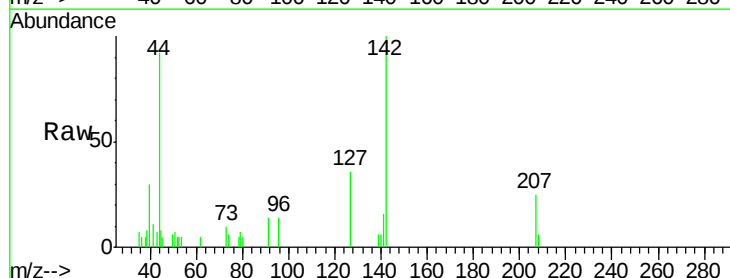
RT: 2.50 min Scan# 231

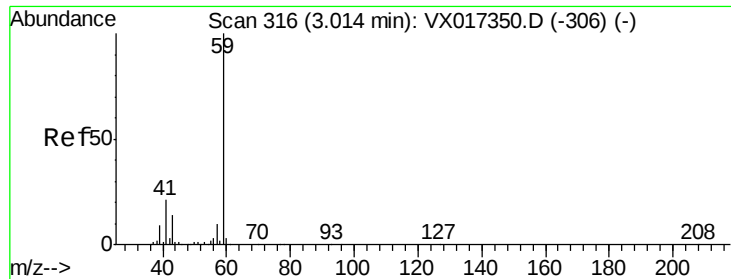
Delta R.T. 0.01 min

Lab File: VX017356.D

Acq: 13 Jul 2020 16:28

Tgt Ion:	142	Resp:	1733
Ion Ratio	Lower	Upper	
142	100		
127	49.1	36.8	55.2
141	15.6	11.4	17.0





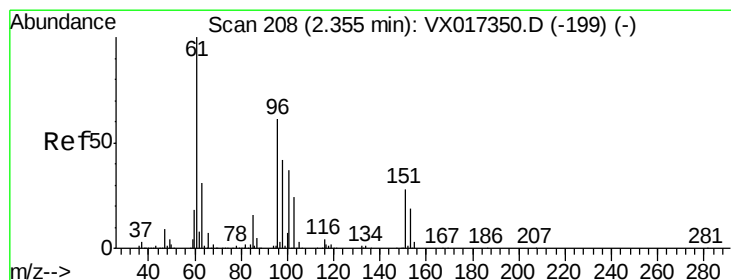
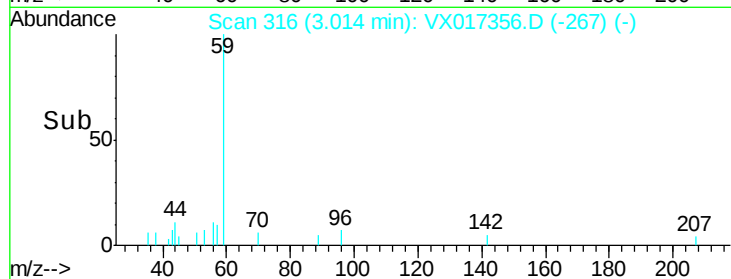
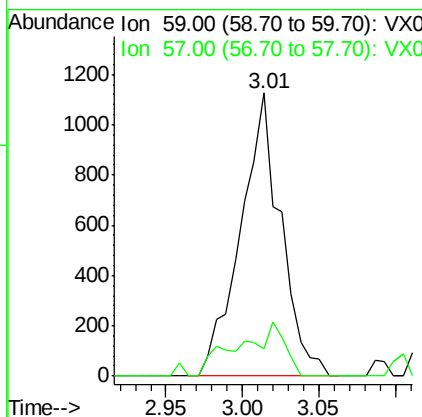
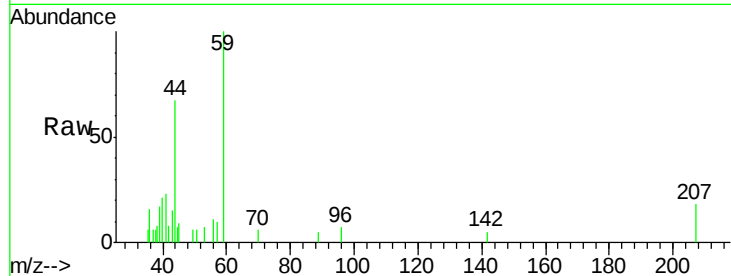
#11
Tert butyl alcohol
Concen: 2.909 ug/l
RT: 3.01 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX017356.D
Acq: 13 Jul 2020 16:28

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
59	100	2058		
57	21.8		8.3	12.5#

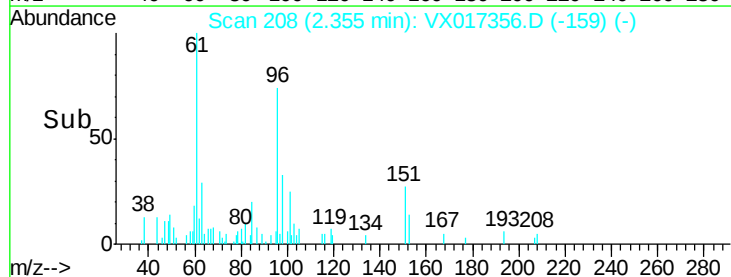
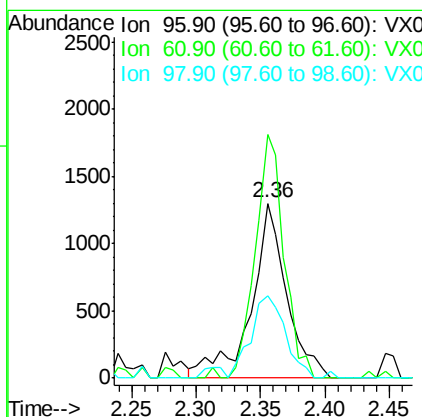
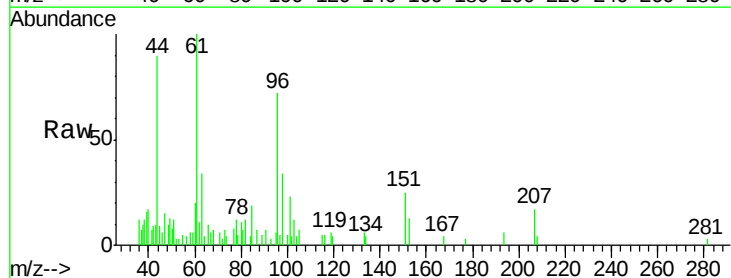
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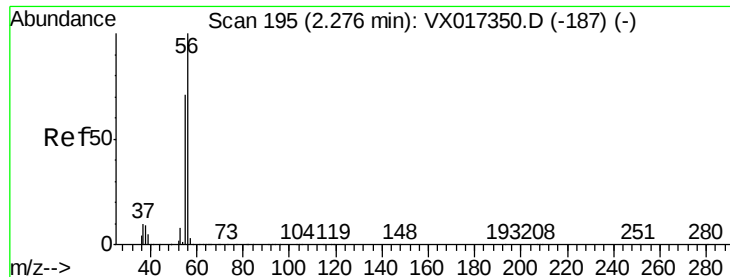
MMDadoda
7/14/2020 11:36:01 AM



#12
1,1-Dichloroethene
Concen: 0.808 ug/l
RT: 2.36 min Scan# 208
Delta R.T. 0.00 min
Lab File: VX017356.D
Acq: 13 Jul 2020 16:28

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	2459		
61	139.1		131.5	197.3
98	47.4		55.1	82.7#





#13

Acrolein

Concen: 3.798 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.01 min

Lab File: VX017356.D

Acq: 13 Jul 2020 16:28

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion: 56 Resp: 1473

Ion Ratio Lower Upper

56 100

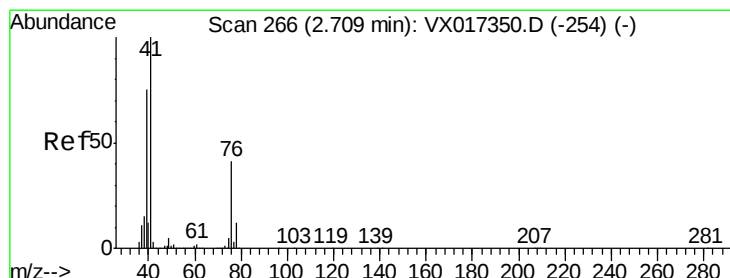
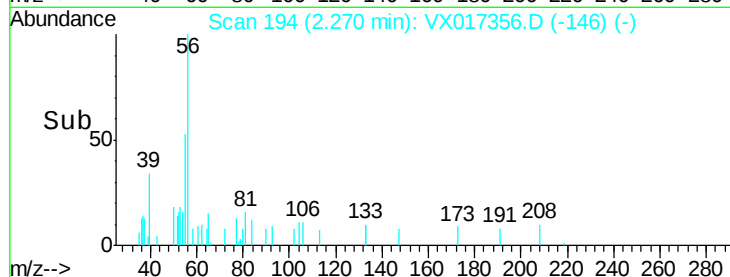
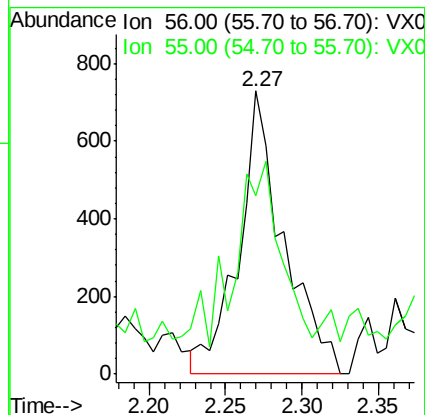
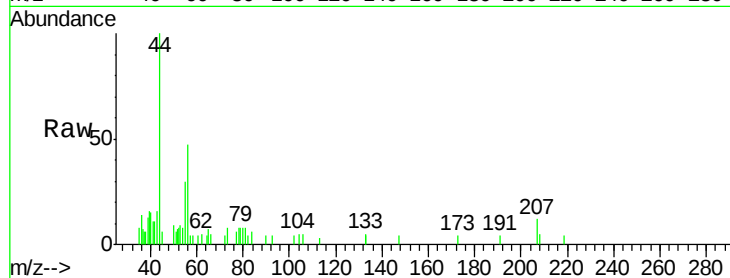
55 66.6 57.1 85.7

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#14

Allyl chloride

Concen: 0.555 ug/l

RT: 2.71 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX017356.D

Acq: 13 Jul 2020 16:28

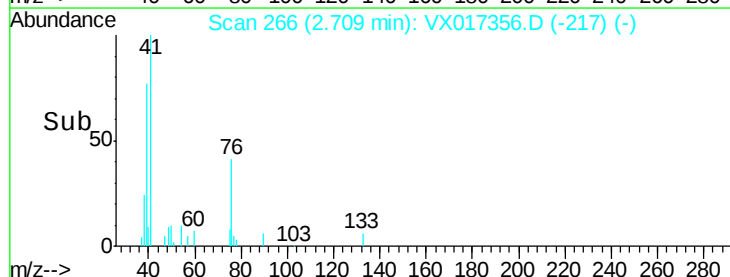
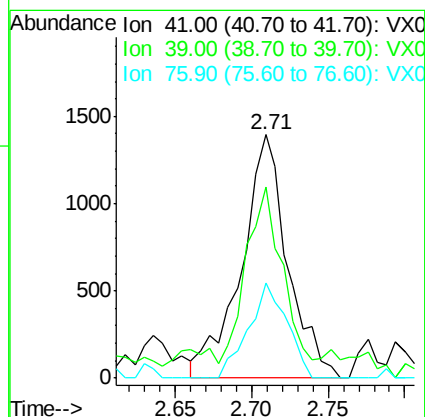
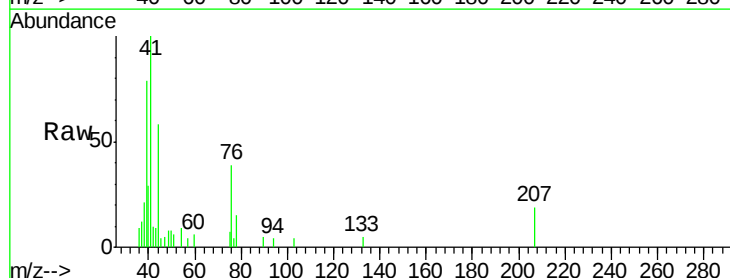
Tgt Ion: 41 Resp: 2930

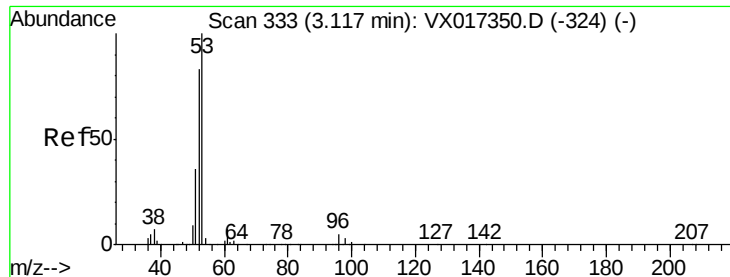
Ion Ratio Lower Upper

41 100

39 55.4 53.0 79.4

76 32.3 28.2 42.2





#15

Acrylonitrile

Concen: 3.209 ug/l

RT: 3.12 min Scan# 333

Delta R.T. 0.00 min

Lab File: VX017356.D

Acq: 13 Jul 2020 16:28

Instrument :

MSVOA_X

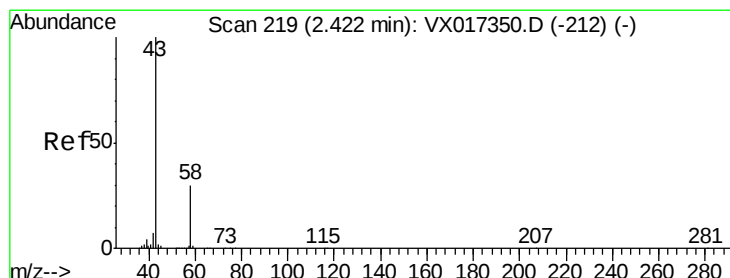
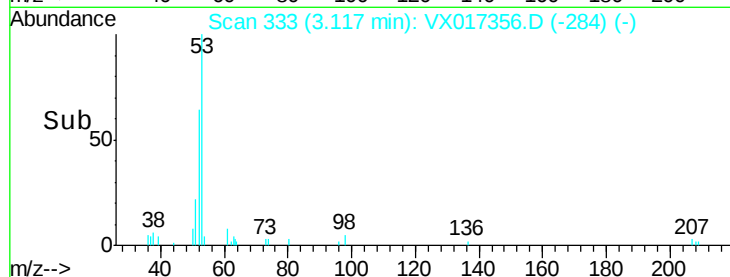
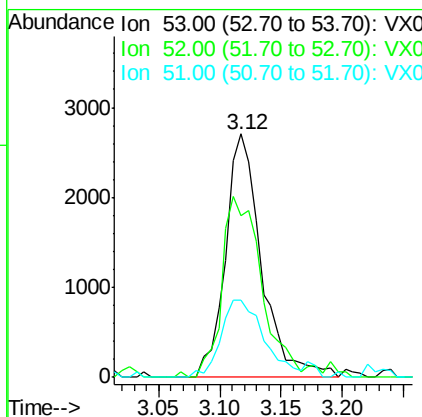
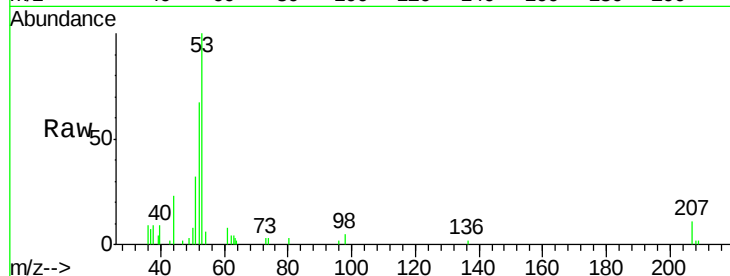
ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion:	53	Resp:	5504
Ion	Ratio	Lower	Upper
53	100		
52	82.4	65.8	98.6
51	38.0	29.2	43.8

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#16

Acetone

Concen: 3.589 ug/l

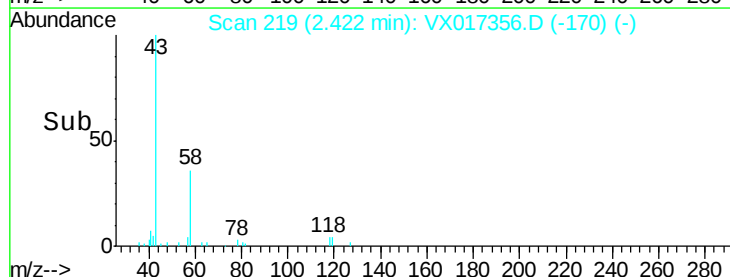
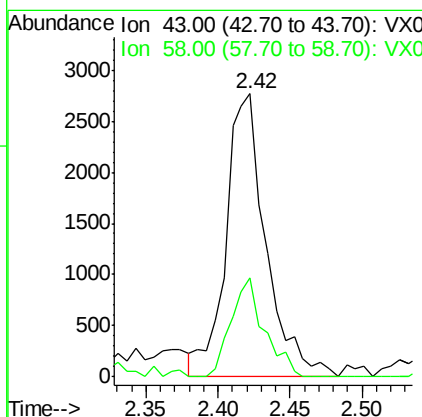
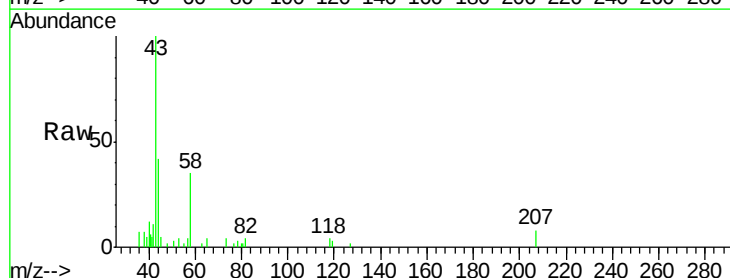
RT: 2.42 min Scan# 219

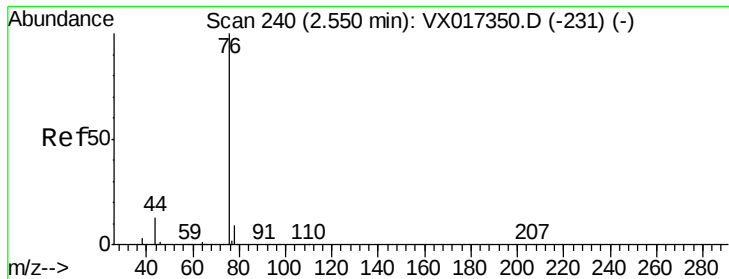
Delta R.T. 0.00 min

Lab File: VX017356.D

Acq: 13 Jul 2020 16:28

Tgt Ion:	43	Resp:	5377
Ion	Ratio	Lower	Upper
43	100		
58	34.8	24.2	36.2





#17

Carbon Disulfide

Concen: 0.763 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX017356.D

Acq: 13 Jul 2020 16:28

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion: 76 Resp: 6777

Ion Ratio Lower Upper

76 100

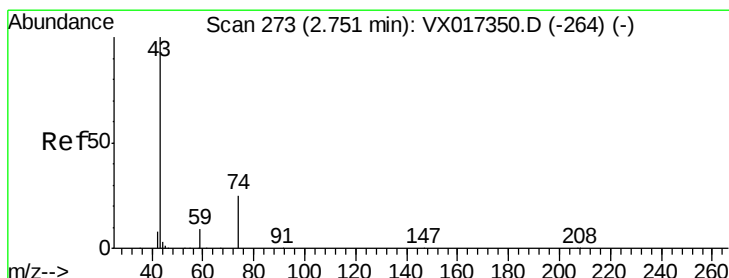
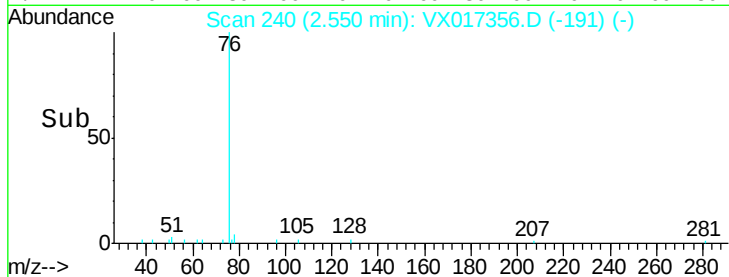
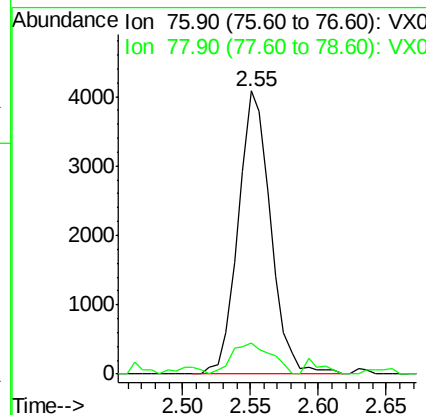
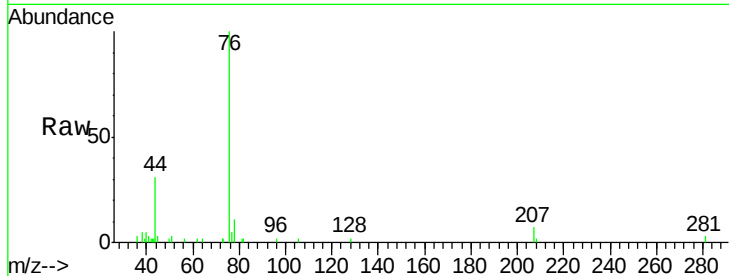
78 11.0 7.3 10.9#

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#18

Methyl Acetate

Concen: 0.708 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.00 min

Lab File: VX017356.D

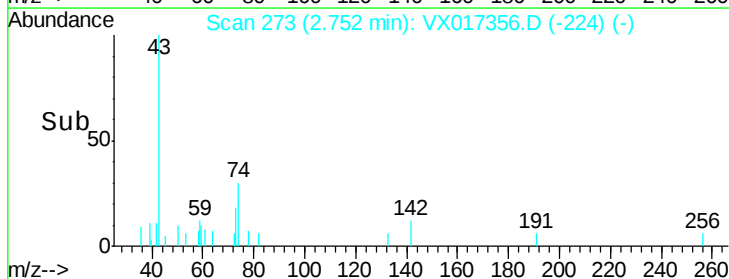
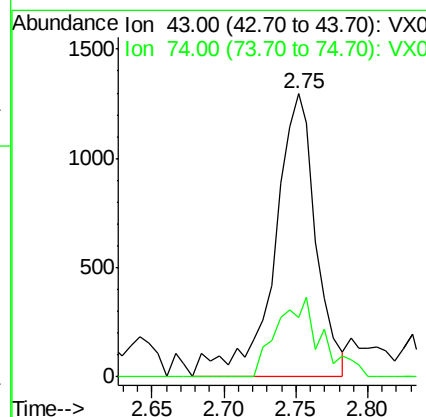
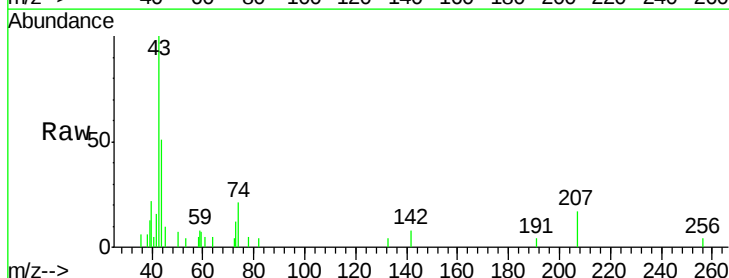
Acq: 13 Jul 2020 16:28

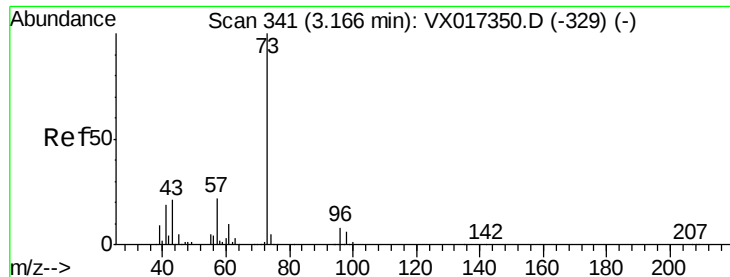
Tgt Ion: 43 Resp: 2621

Ion Ratio Lower Upper

43 100

74 30.1 19.4 29.2#





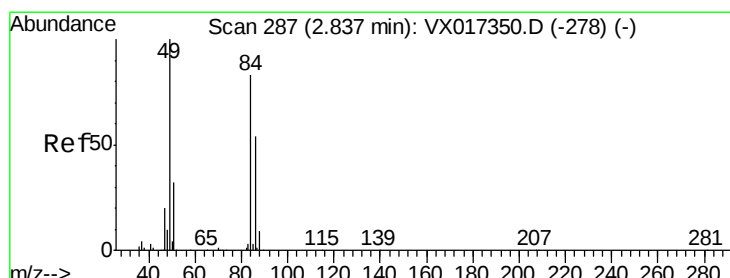
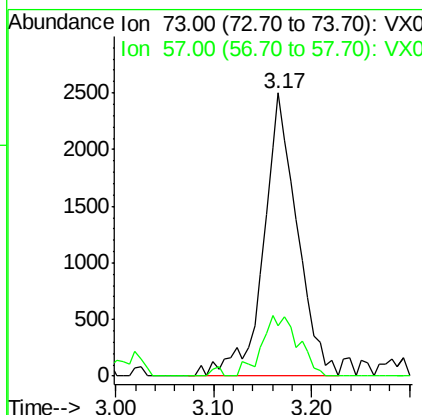
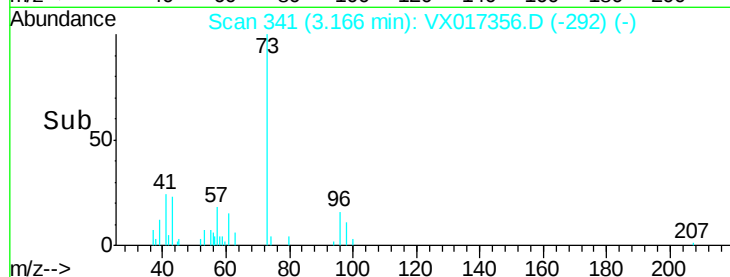
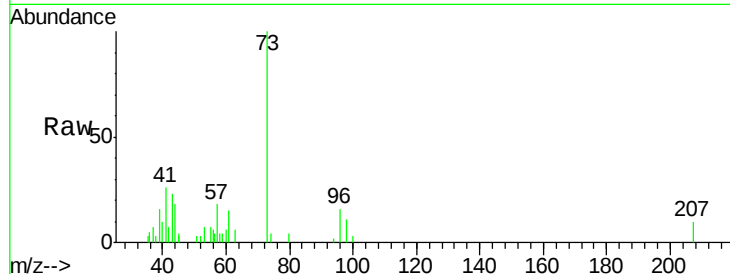
#19
Methyl tert-butyl Ether
Concen: 0.579 ug/l
RT: 3.17 min Scan# 341
Delta R.T. 0.00 min
Lab File: VX017356.D
Acq: 13 Jul 2020 16:28

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.0	17.5	26.3

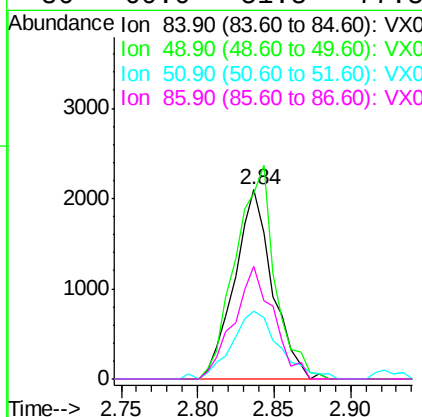
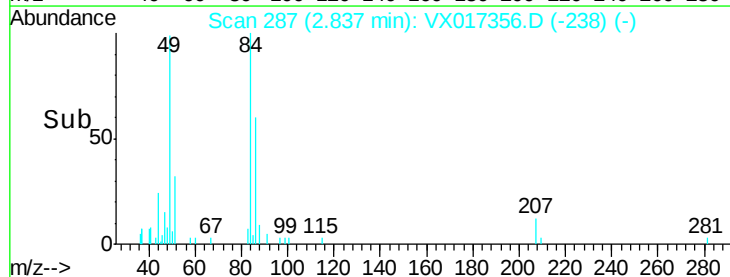
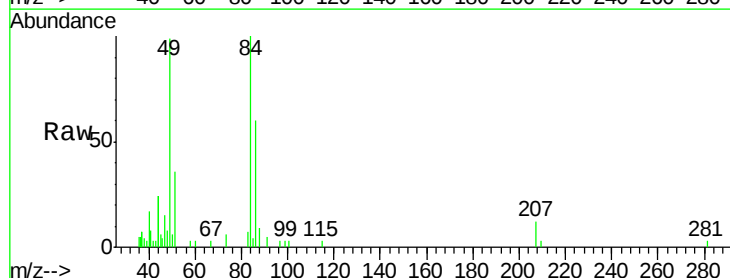
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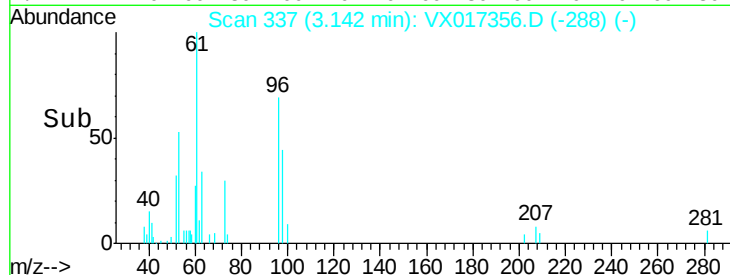
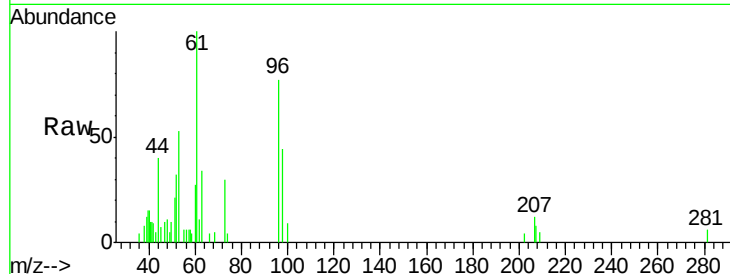
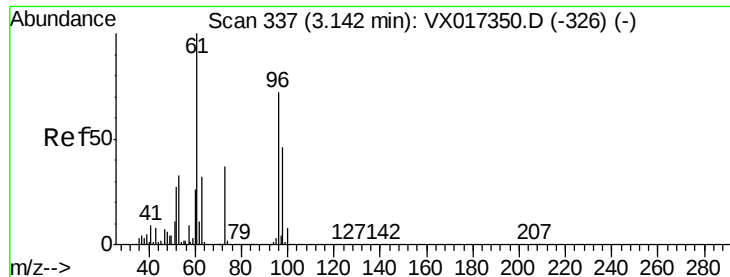
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#20
Methylene Chloride
Concen: 0.989 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX017356.D
Acq: 13 Jul 2020 16:28

Tgt Ion	Ratio	Lower	Upper
84	100		
49	98.6	95.8	143.8
51	36.1	31.0	46.4
86	60.0	51.8	77.8





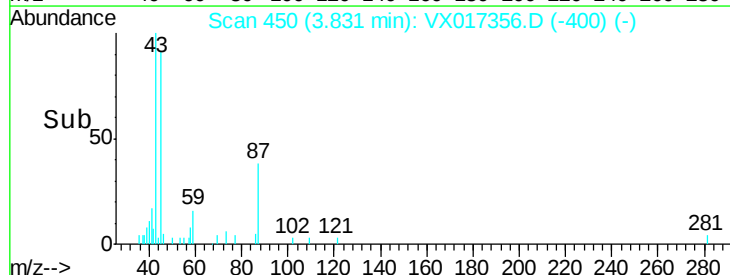
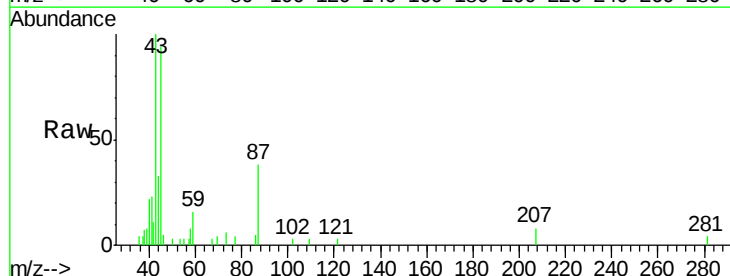
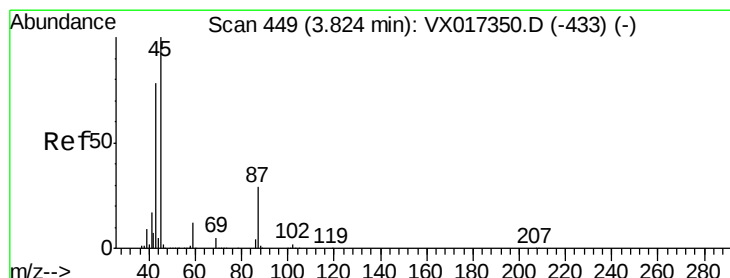
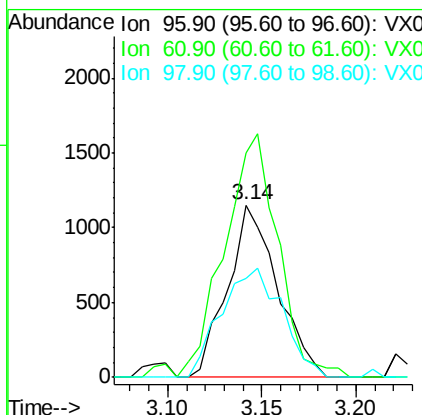
#21
trans-1,2-Dichloroethene
Concen: 0.608 ug/l
RT: 3.14 min Scan# 337
Delta R.T. 0.00 min
Lab File: VX017356.D
Acq: 13 Jul 2020 16:28

Tot Ion	Ratio	Lower	Upper
96	100		
61	124.6	111.1	166.7
98	57.1	51.4	77.0

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

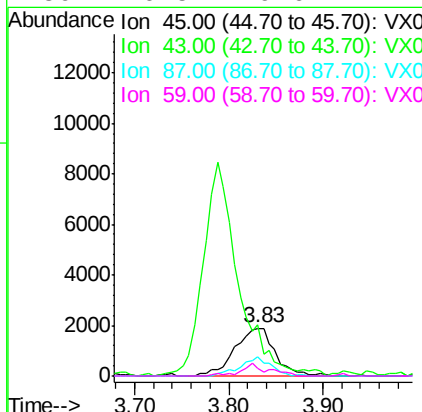
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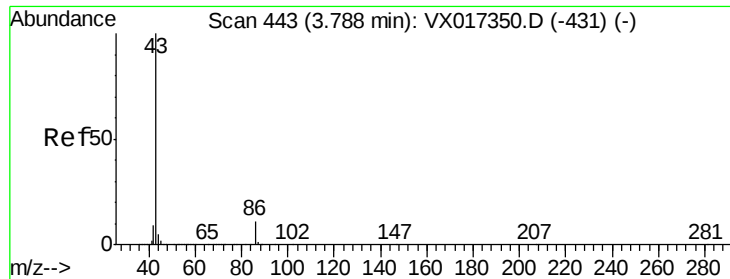
MMDadoda
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#22
Diisopropyl ether
Concen: 0.563 ug/l
RT: 3.83 min Scan# 450
Delta R.T. 0.01 min
Lab File: VX017356.D
Acq: 13 Jul 2020 16:28

Tgt Ion	Ratio	Lower	Upper
45	100		
43	101.6	62.2	93.2#
87	40.5	23.0	34.6#
59	16.5	9.6	14.4#





#23

Vinyl Acetate

Concen: 2.455 ug/l

RT: 3.79 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX017356.D

Acq: 13 Jul 2020 16:28

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion: 43 Resp: 21695

Ion Ratio Lower Upper

43 100

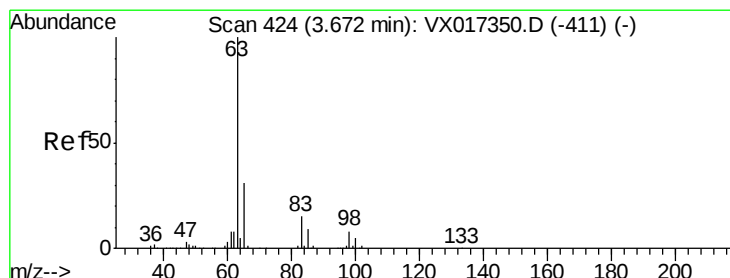
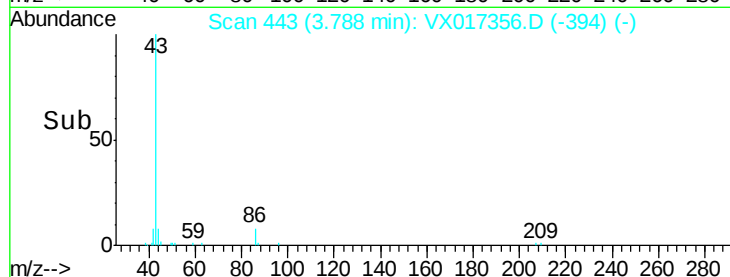
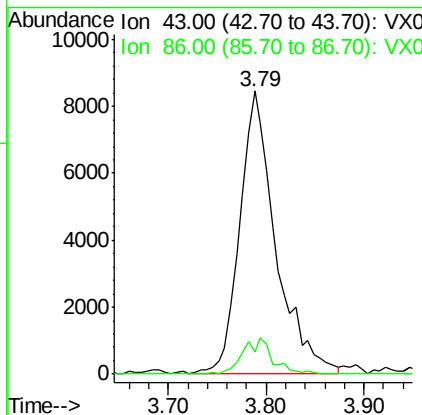
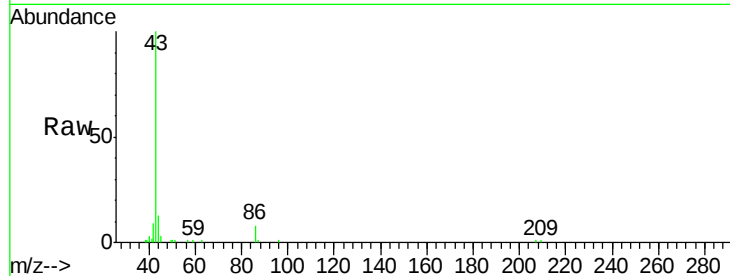
86 8.0 9.0 13.4#

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 0.550 ug/l

RT: 3.67 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX017356.D

Acq: 13 Jul 2020 16:28

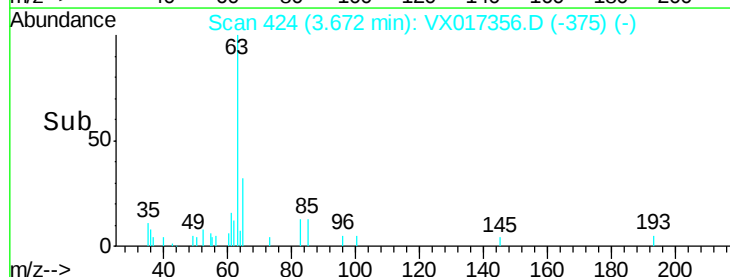
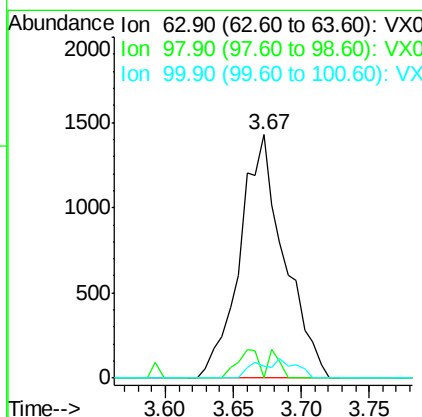
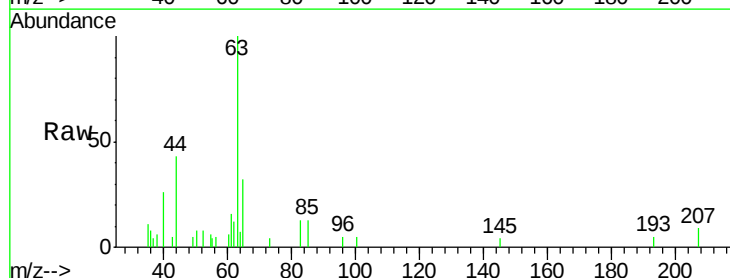
Tgt Ion: 63 Resp: 3250

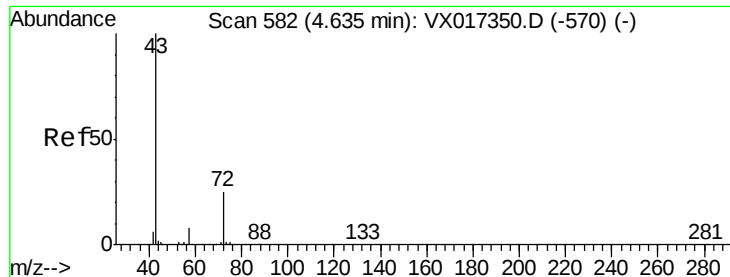
Ion Ratio Lower Upper

63 100

98 0.0 3.9 11.5#

100 4.9 2.5 7.5





#25

2-Butanone

Concen: 3.234 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX017356.D

Acq: 13 Jul 2020 16:28

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion: 43 Resp: 7694

Ion Ratio Lower Upper

43 100

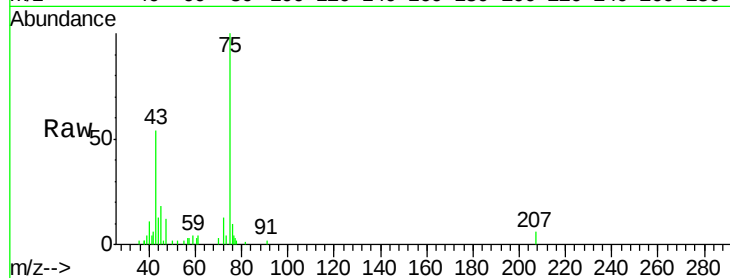
72 24.1 20.4 30.6

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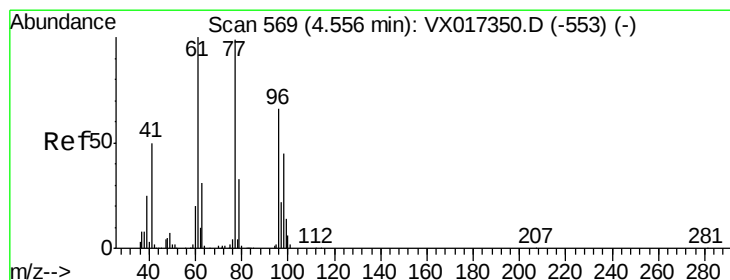
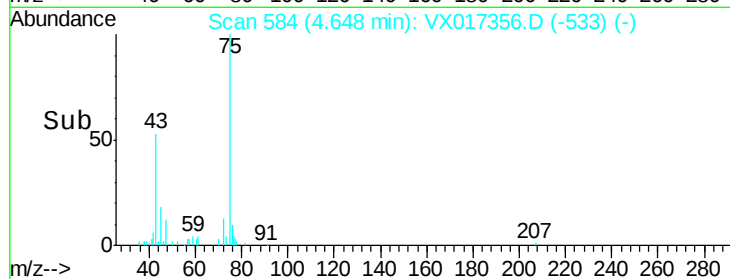
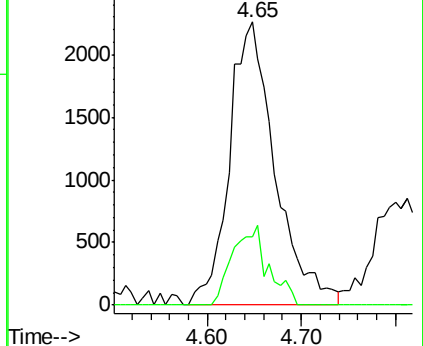
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 0.553 ug/l

RT: 4.55 min Scan# 568

Delta R.T. -0.01 min

Lab File: VX017356.D

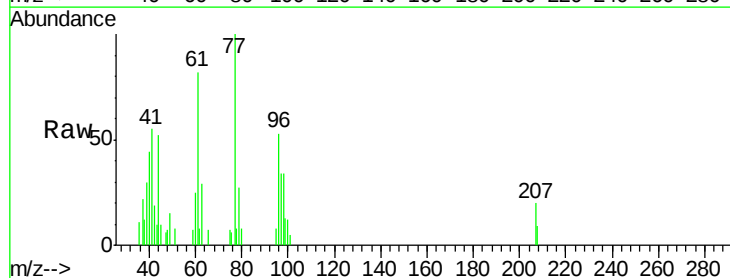
Acq: 13 Jul 2020 16:28

Tgt Ion: 77 Resp: 3039

Ion Ratio Lower Upper

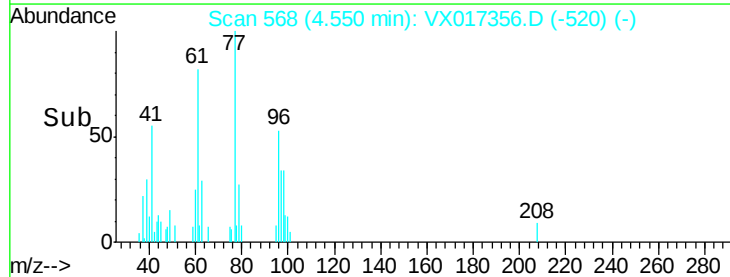
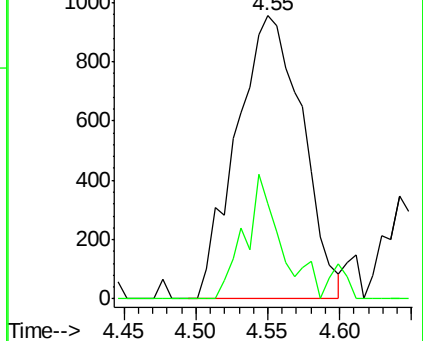
77 100

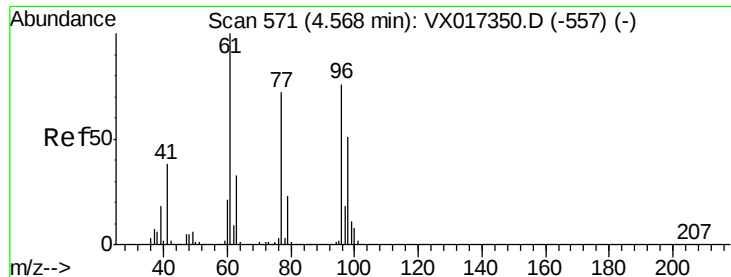
97 24.1 11.1 33.3



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

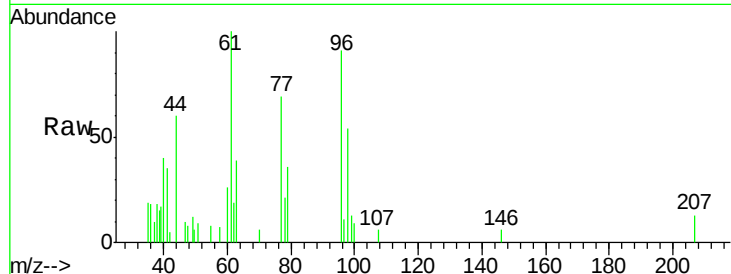
cis-1,2-Dichloroethene
 Concen: 0.685 ug/l
 RT: 4.57 min Scan# 572
 Delta R.T. 0.01 min
 Lab File: VX017356.D
 Acq: 13 Jul 2020 16:28

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

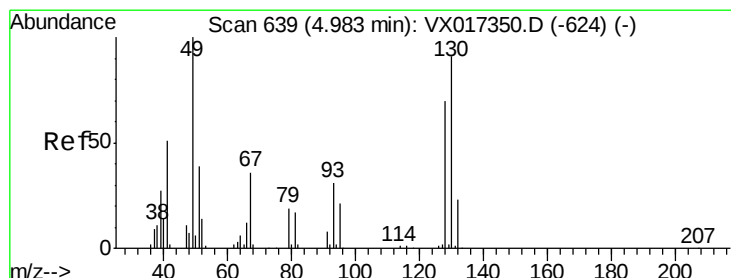
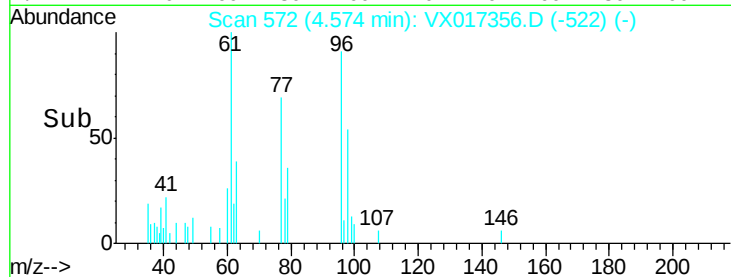
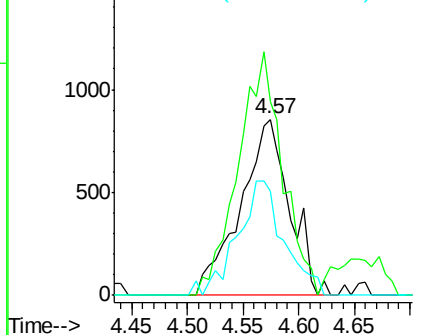
Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	125.2	0.0	281.2	
98	61.7	0.0	131.4	

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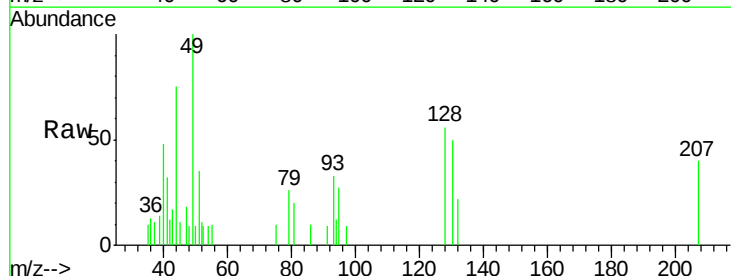
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



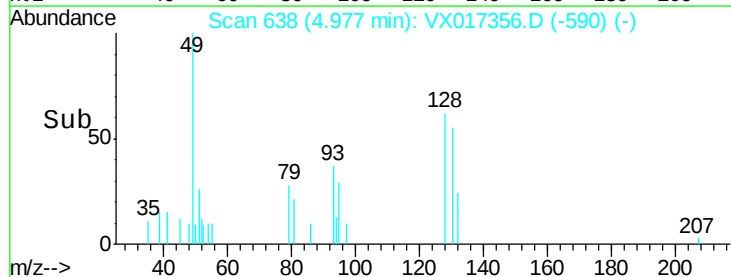
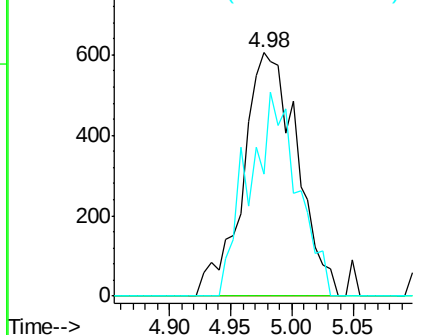
#28

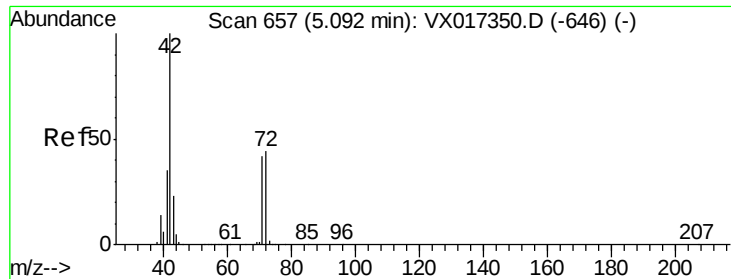
Bromochloromethane
 Concen: 0.687 ug/l
 RT: 4.98 min Scan# 638
 Delta R.T. -0.01 min
 Lab File: VX017356.D
 Acq: 13 Jul 2020 16:28

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	0.0	0.0	4.8	
130	75.1	71.1	106.7	



Abundance Ion 48.90 (48.60 to 49.60): VX0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V





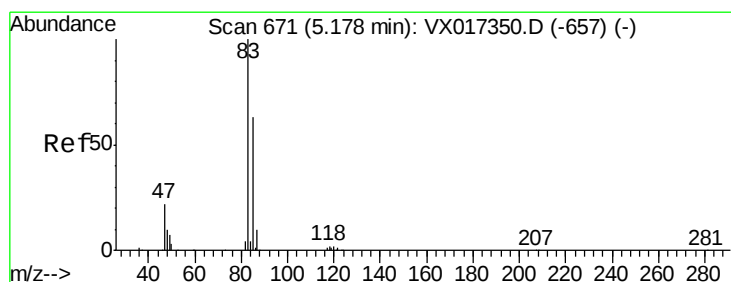
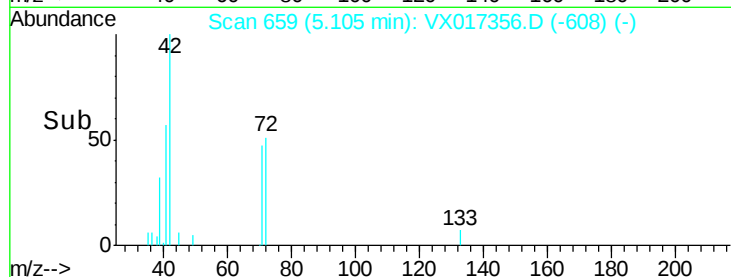
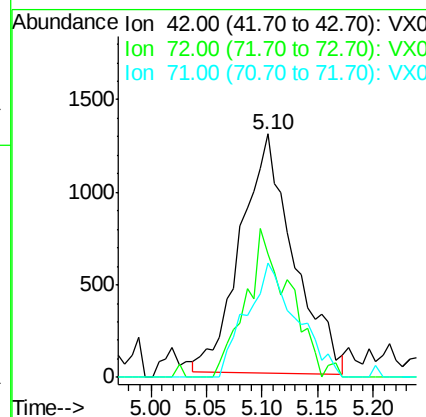
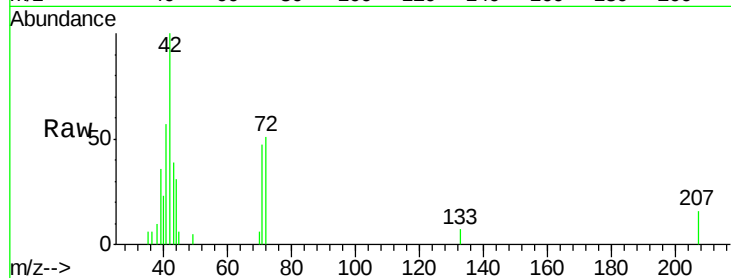
#29
Tetrahydrofuran
Concen: 2.774 ug/l
RT: 5.10 min Scan# 659
Delta R.T. 0.01 min
Lab File: VX017356.D
Acq: 13 Jul 2020 16:28

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
42	100		
72	51.2	37.2	55.8
71	45.1	34.4	51.6

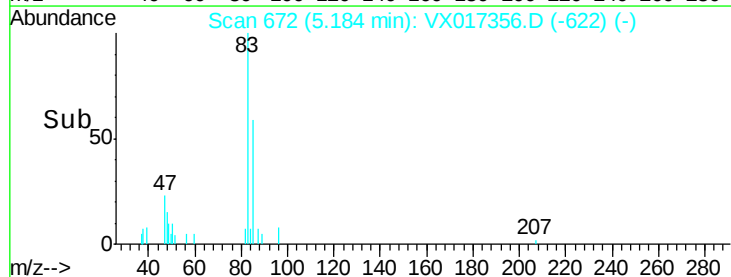
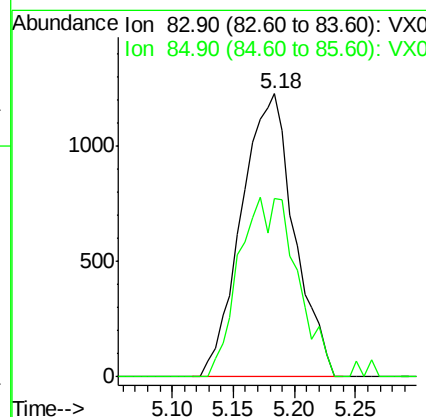
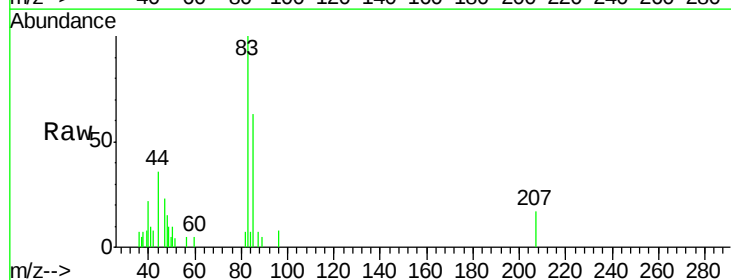
Manual Integrations
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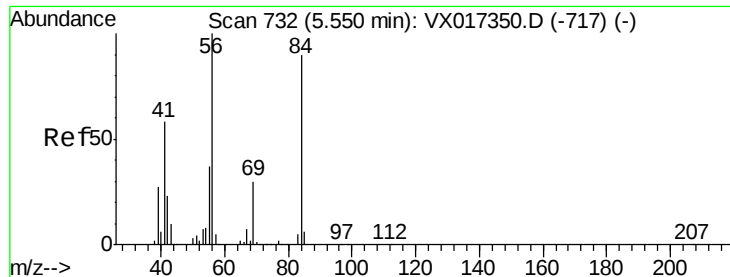
MMDadoda
7/14/2020 11:36:01 AM



#30
Chloroform
Concen: 0.581 ug/l
RT: 5.18 min Scan# 672
Delta R.T. 0.01 min
Lab File: VX017356.D
Acq: 13 Jul 2020 16:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	50.2	75.4





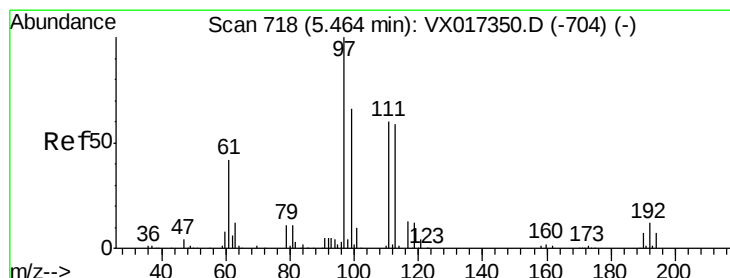
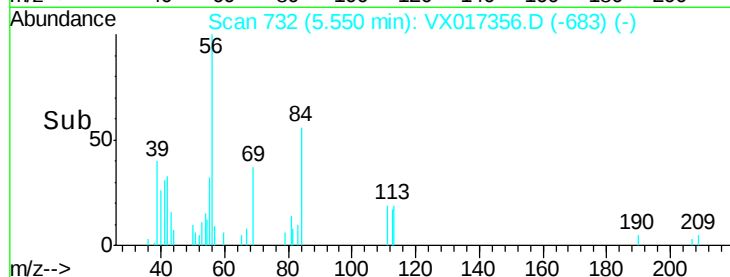
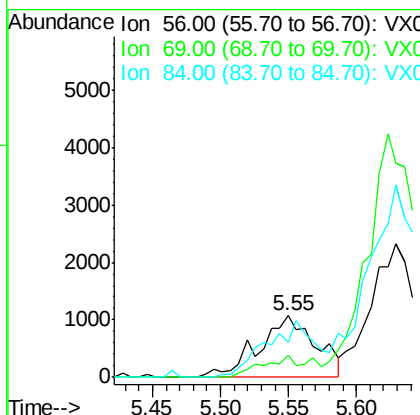
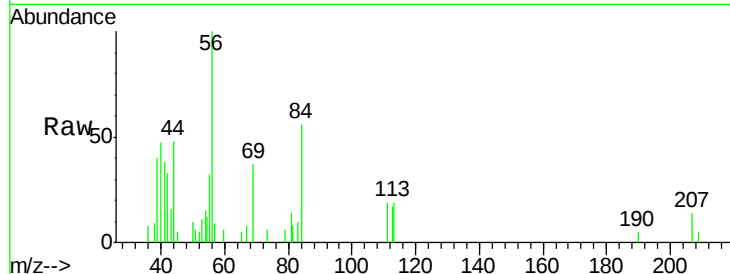
#31
Cyclohexane
Concen: 0.645 ug/l
RT: 5.55 min Scan# 732
Delta R.T. 0.00 min
Lab File: VX017356.D
Acq: 13 Jul 2020 16:28

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.9	23.7	35.5#
84	56.2	71.8	107.6#

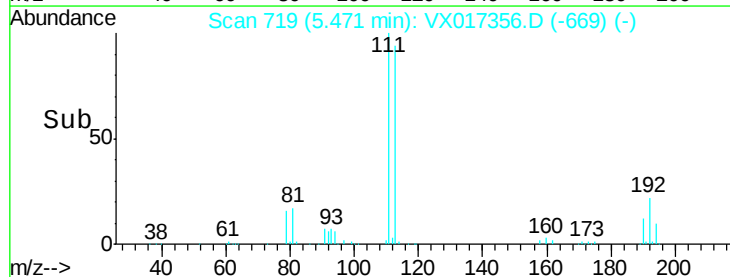
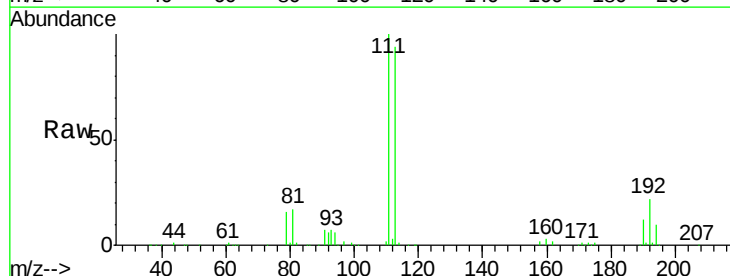
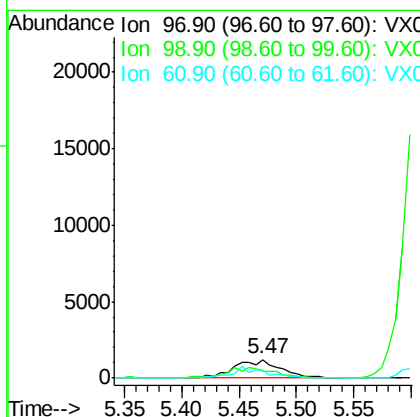
Manual Integrations
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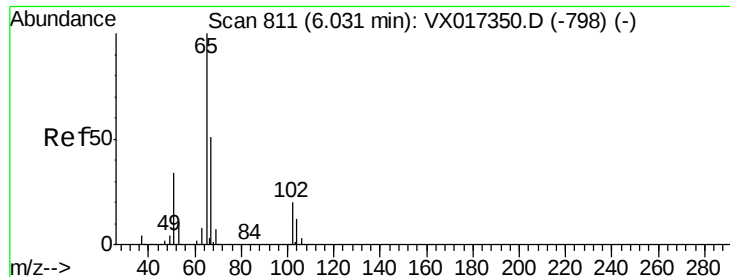
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#32
1,1,1-Trichloroethane
Concen: 0.573 ug/l m
RT: 5.47 min Scan# 719
Delta R.T. 0.01 min
Lab File: VX017356.D
Acq: 13 Jul 2020 16:28

Tgt Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.2	76.8#
61	46.1	32.7	49.1





#33

1,2-Dichloroethane-d4

Concen: 46.512 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX017356.D

Acq: 13 Jul 2020 16:28

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion: 65 Resp: 195306

Ion Ratio Lower Upper

65 100

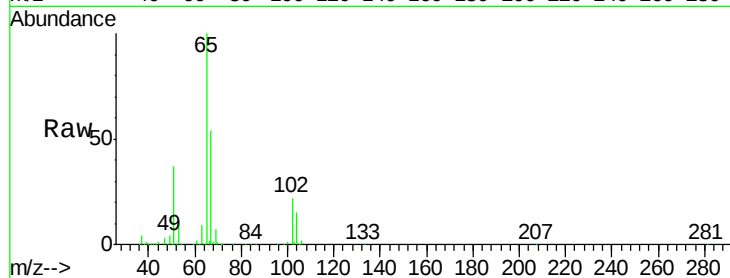
67 52.4 0.0 101.6

Manual Integrations

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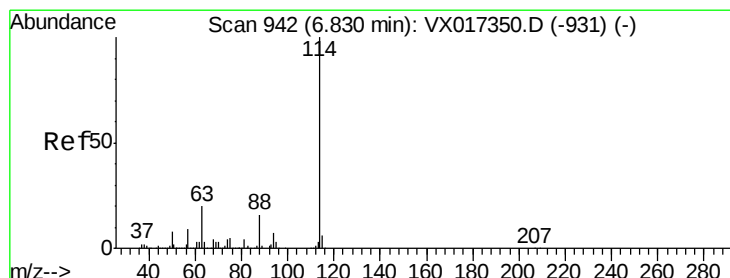
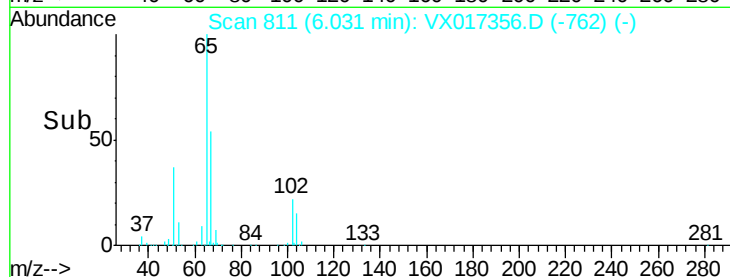
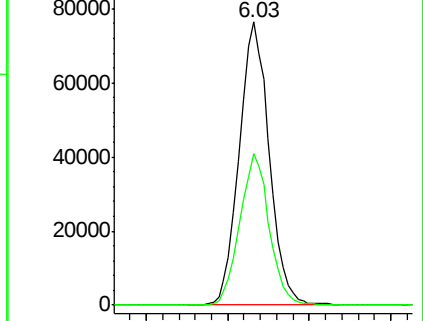
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX017356.D

Acq: 13 Jul 2020 16:28

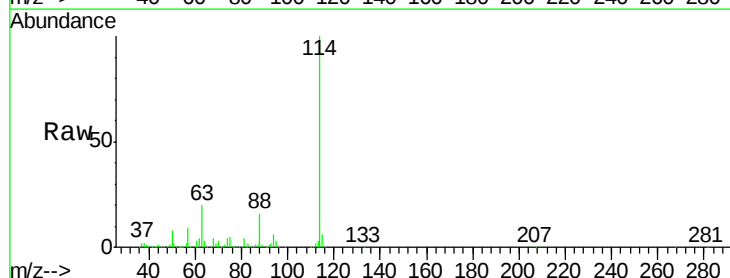
Tgt Ion: 114 Resp: 529795

Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.0

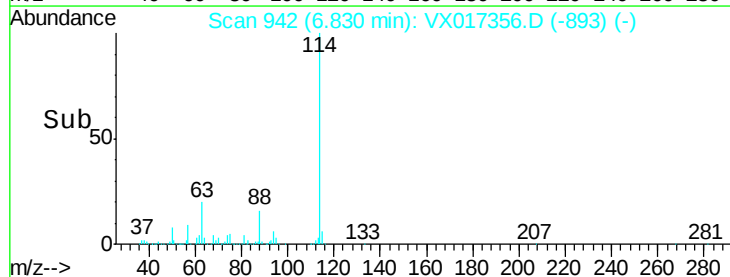
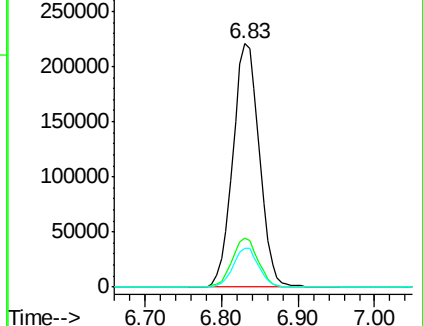
88 16.1 0.0 32.8

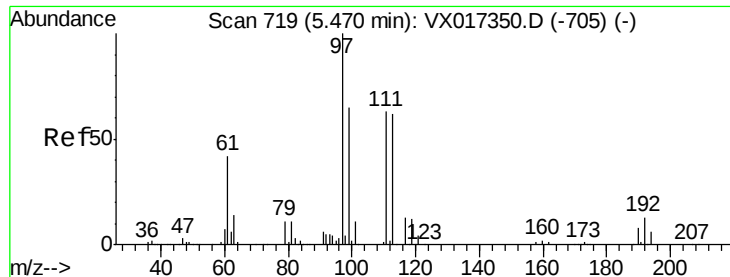


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





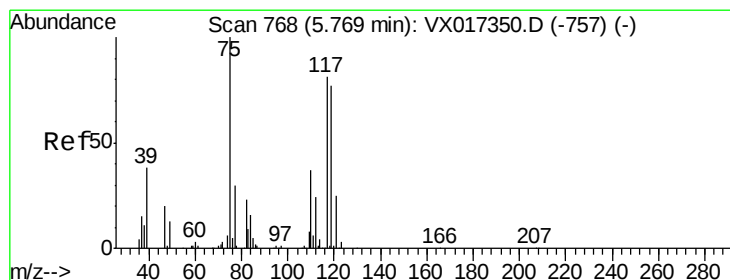
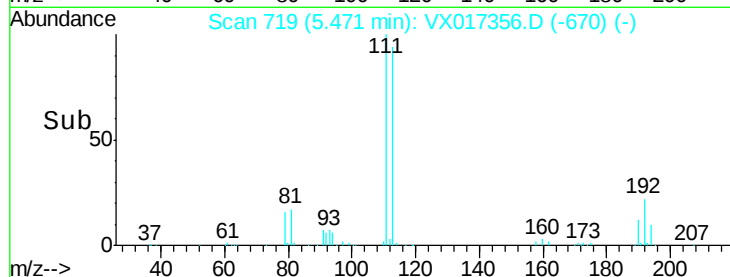
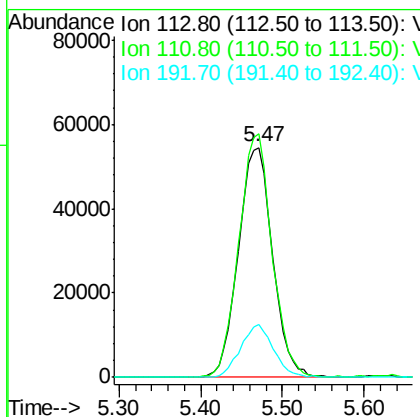
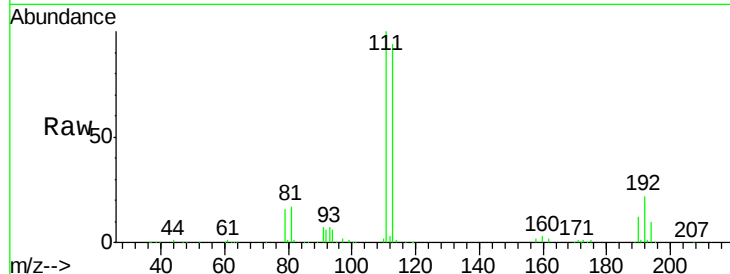
#35
Dibromofluoromethane
Concen: 44.575 ug/l
RT: 5.47 min Scan# 719
Delta R.T. 0.00 min
Lab File: VX017356.D
Acq: 13 Jul 2020 16:28

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
113	100	159079		
111	102.9	82.4	123.6	
192	22.0	17.2	25.8	

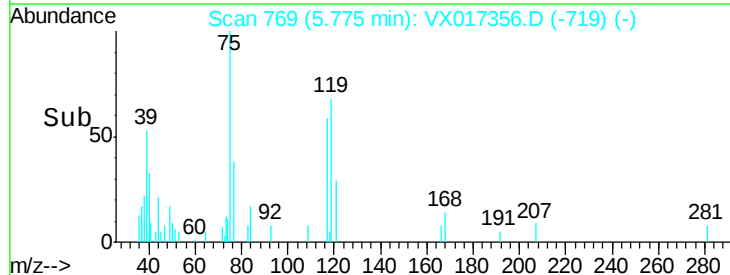
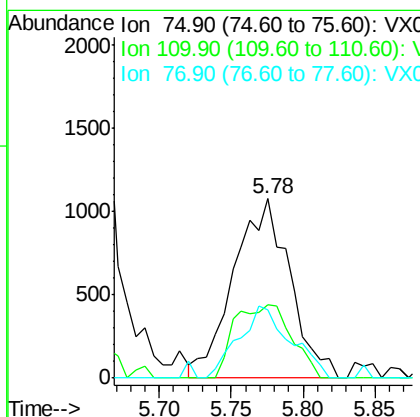
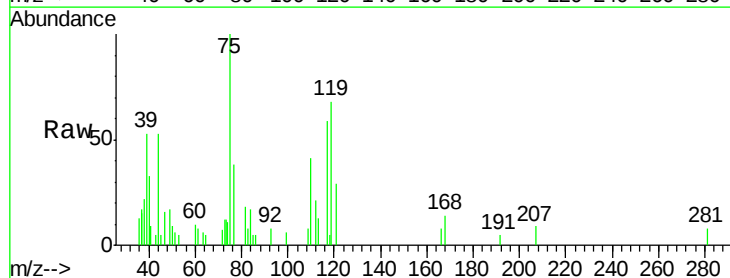
Manual Integrations
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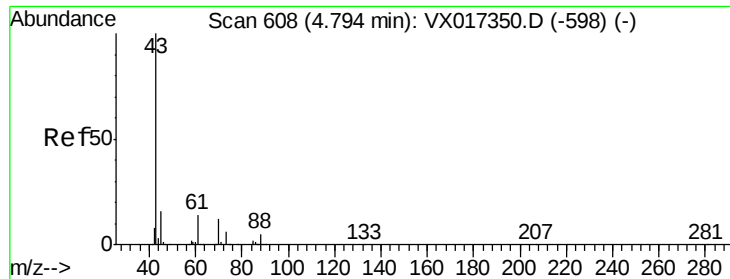
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#36
1,1-Dichloropropene
Concen: 0.600 ug/l
RT: 5.78 min Scan# 769
Delta R.T. 0.01 min
Lab File: VX017356.D
Acq: 13 Jul 2020 16:28

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	2926		
110	41.5	18.6	55.8	
77	36.9	24.9	37.3	





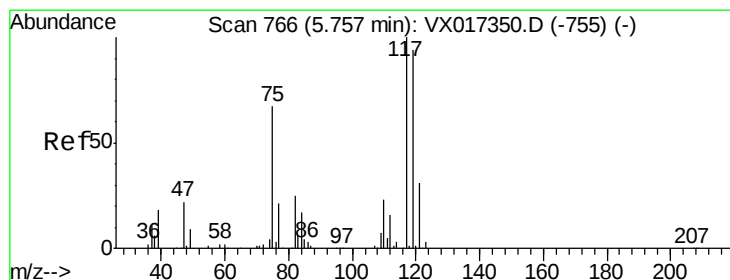
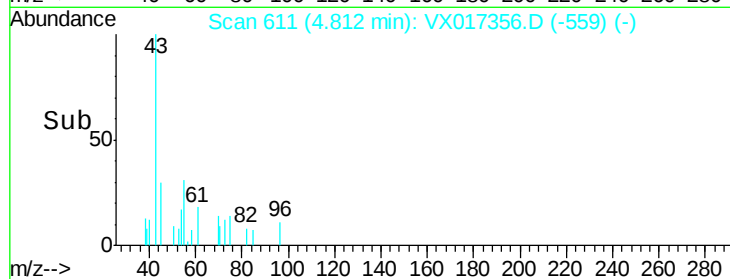
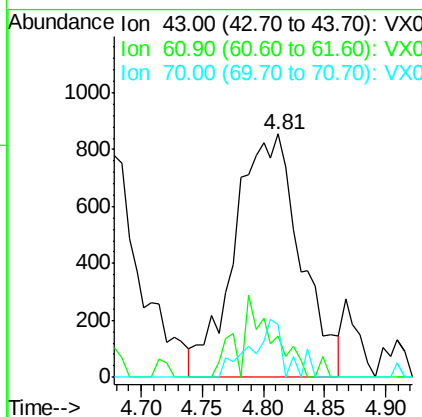
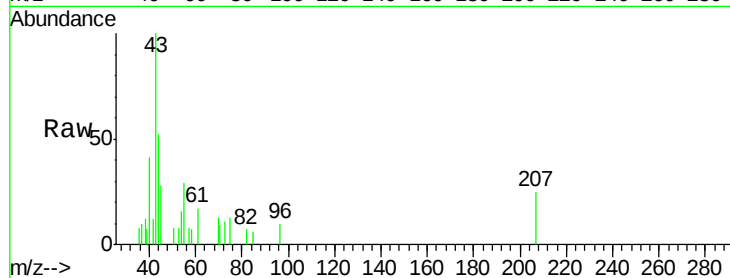
#37
Ethyl Acetate
Concen: 0.632 ug/l
RT: 4.81 min Scan# 611
Delta R.T. 0.02 min
Lab File: VX017356.D
Acq: 13 Jul 2020 16:28

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.7	16.1#
70	11.3	9.0	13.6

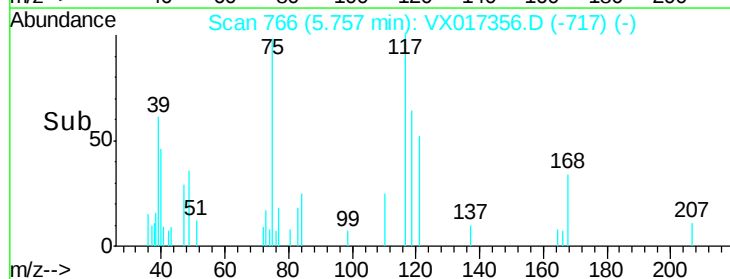
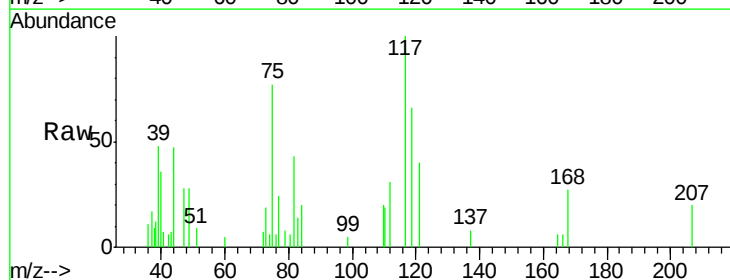
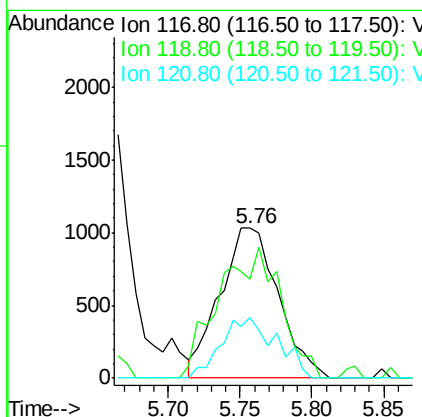
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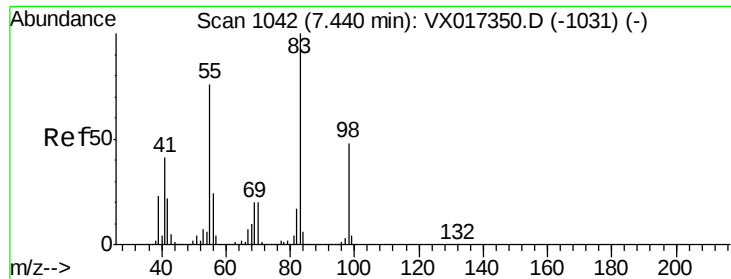
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#38
Carbon Tetrachloride
Concen: 0.511 ug/l
RT: 5.76 min Scan# 766
Delta R.T. 0.00 min
Lab File: VX017356.D
Acq: 13 Jul 2020 16:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	66.0	74.7	112.1#
121	40.3	24.5	36.7#





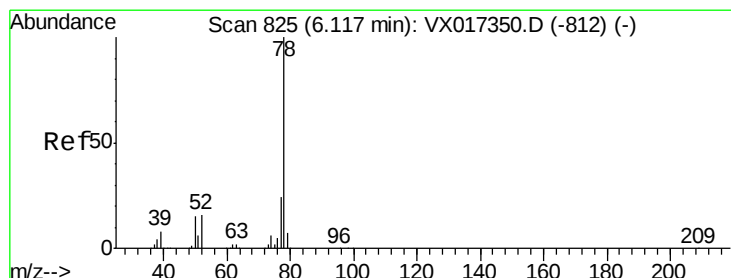
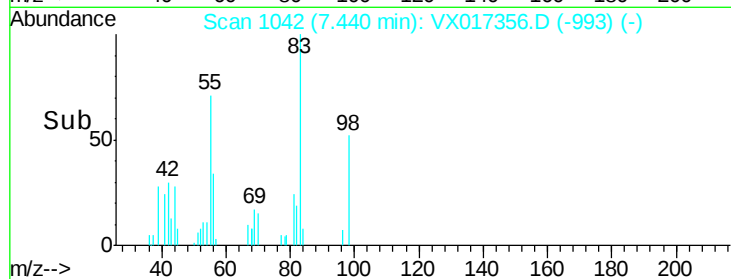
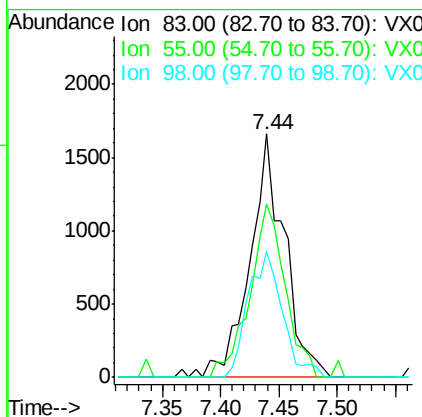
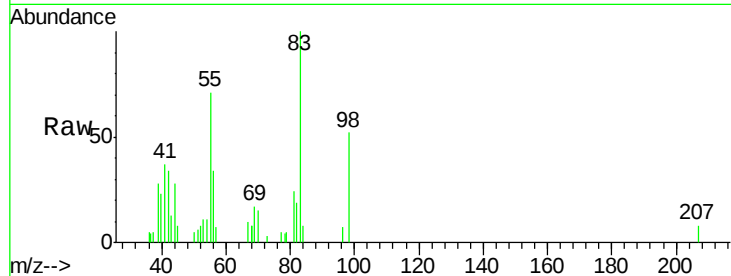
#39
Methvlcvclohexane
Concen: 0.648 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VX017356.D
Acq: 13 Jul 2020 16:28

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.2	61.2	91.8
98	51.6	38.1	57.1

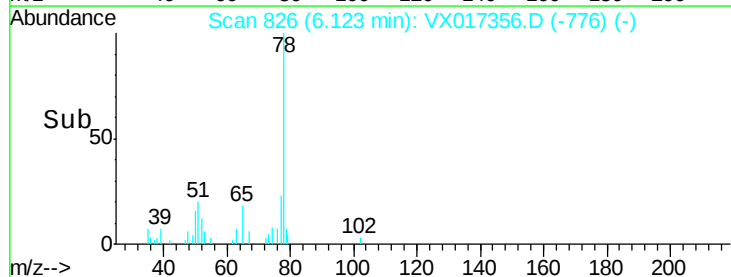
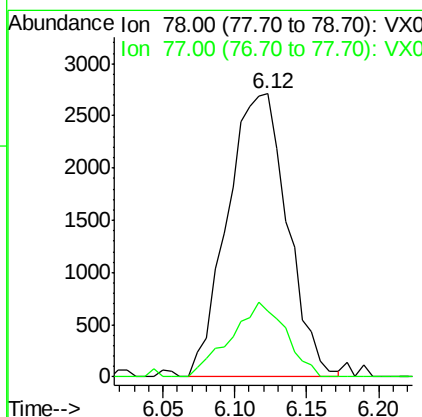
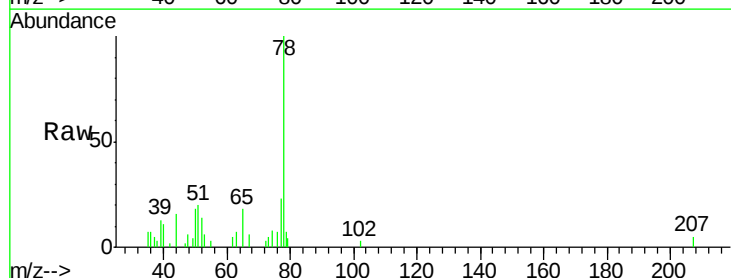
Manual Integrations
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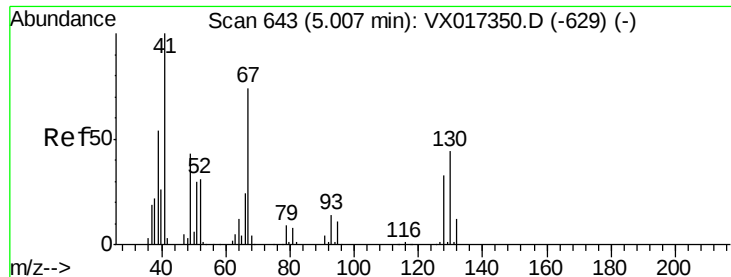
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7/14/2020 11:36:01 AM



#40
Benzene
Concen: 0.560 ug/l
RT: 6.12 min Scan# 826
Delta R.T. 0.01 min
Lab File: VX017356.D
Acq: 13 Jul 2020 16:28

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.9	28.3





#41

Methacrylonitrile

Concen: 0.674 ug/l m

RT: 5.03 min Scan# 646

Delta R.T. 0.02 min

Lab File: VX017356.D

Acq: 13 Jul 2020 16:28

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion: 41 Resp: 1823

Ion Ratio Lower Upper

41 100

39 30.7 43.8 65.8#

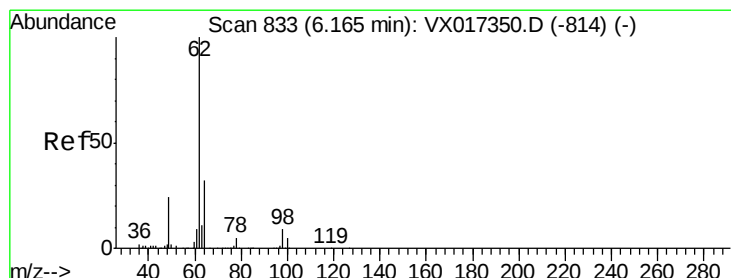
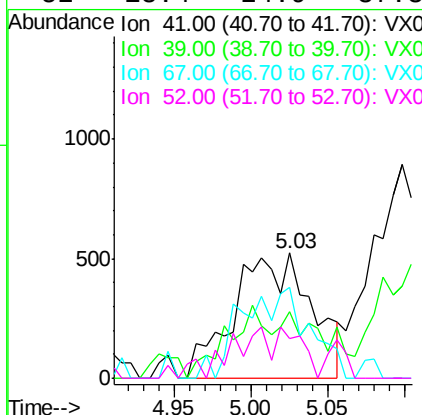
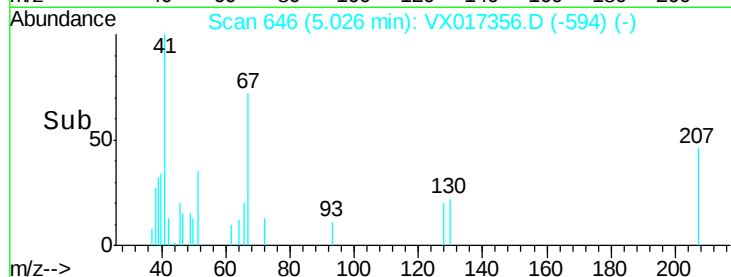
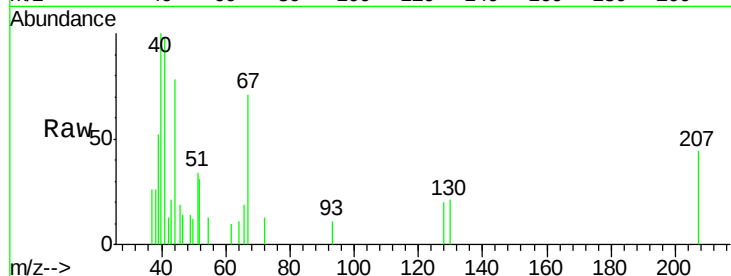
67 20.5 58.7 88.1#

52 18.4 24.9 37.3#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 0.696 ug/l

RT: 6.15 min Scan# 831

Delta R.T. -0.01 min

Lab File: VX017356.D

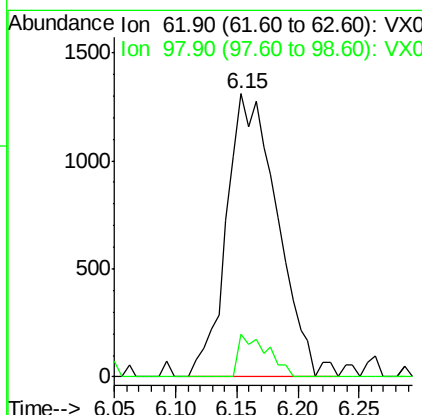
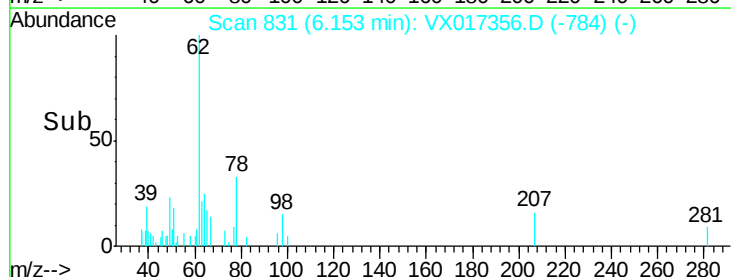
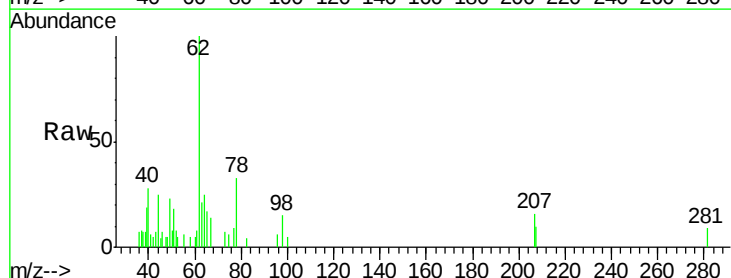
Acq: 13 Jul 2020 16:28

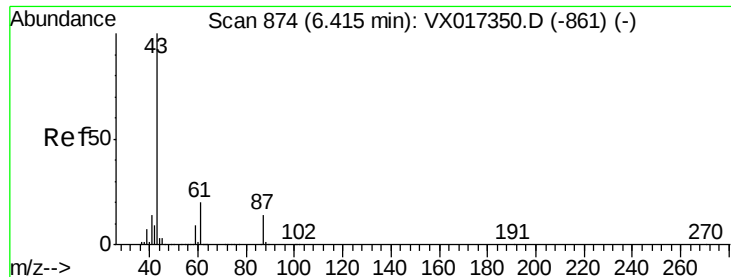
Tgt Ion: 62 Resp: 3786

Ion Ratio Lower Upper

62 100

98 8.6 0.0 19.4





#43

Isopropyl Acetate

Concen: 0.612 ug/l

RT: 6.42 min Scan# 875

Delta R.T. 0.01 min

Lab File: VX017356.D

Acq: 13 Jul 2020 16:28

Instrument :

MSVOA_X

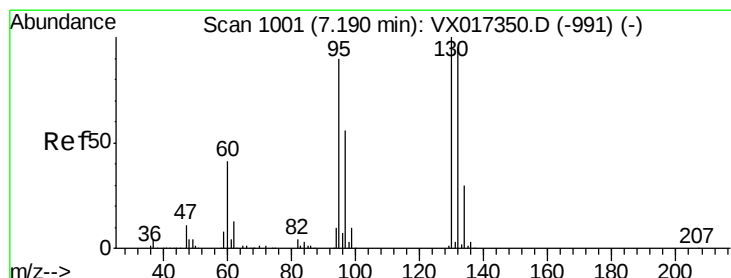
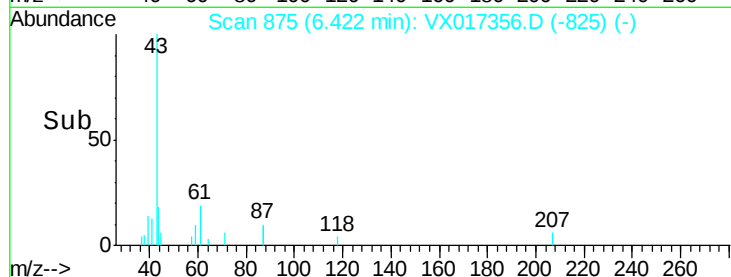
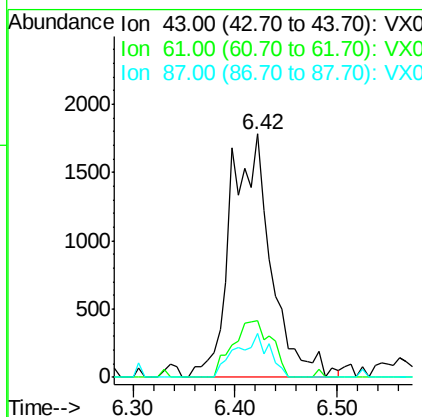
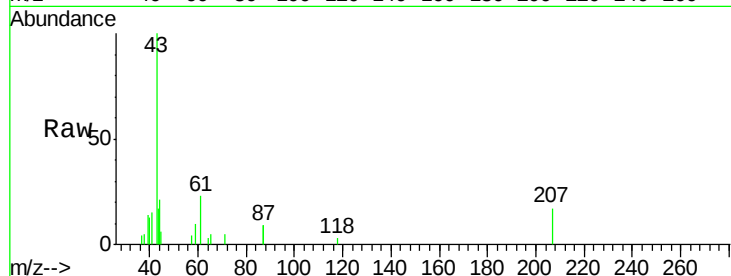
ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion:	43	Resp:	4932
Ion	Ratio	Lower	Upper
43	100		
61	22.3	16.4	24.6
87	14.7	11.2	16.8

Manual Integrations
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#44

Trichloroethene

Concen: 0.594 ug/l

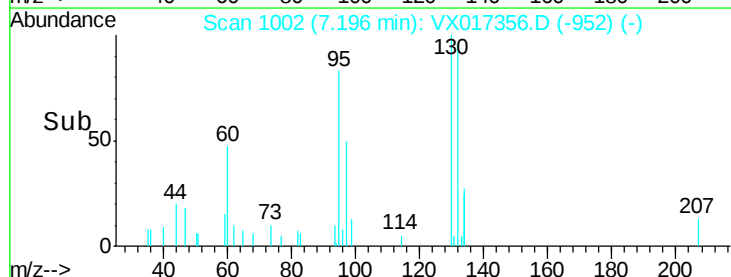
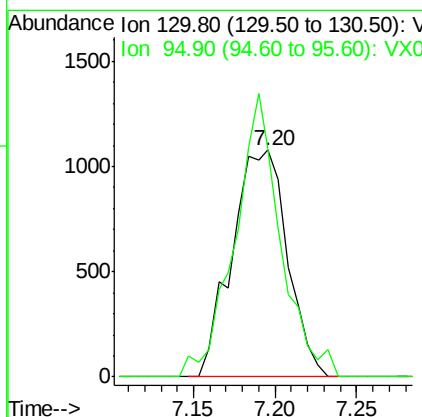
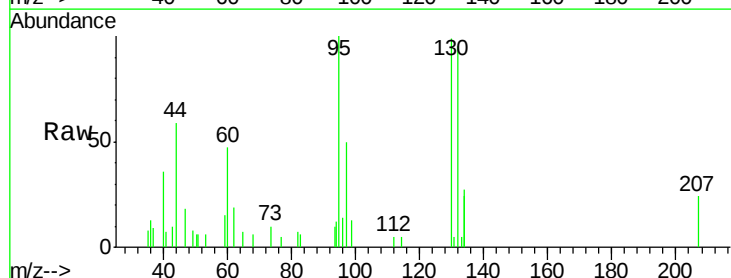
RT: 7.20 min Scan# 1002

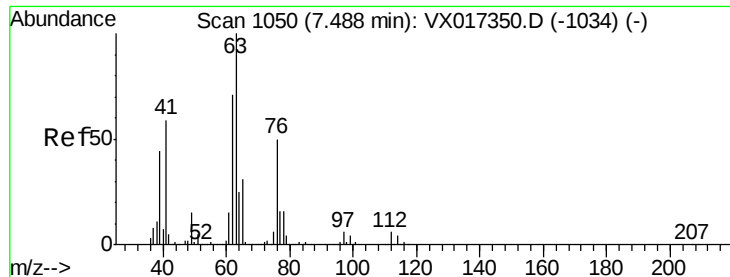
Delta R.T. 0.01 min

Lab File: VX017356.D

Acq: 13 Jul 2020 16:28

Tgt Ion:	130	Resp:	2539
Ion	Ratio	Lower	Upper
130	100		
95	100.6	0.0	180.2





#45

1,2-Dichloropropane

Concen: 0.659 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VX017356.D

Acq: 13 Jul 2020 16:28

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion: 63 Resp: 2361

Ion Ratio Lower Upper

63 100

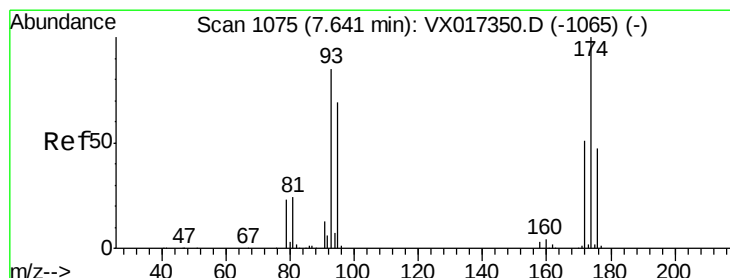
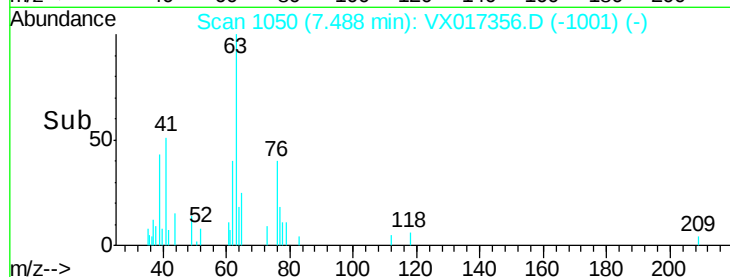
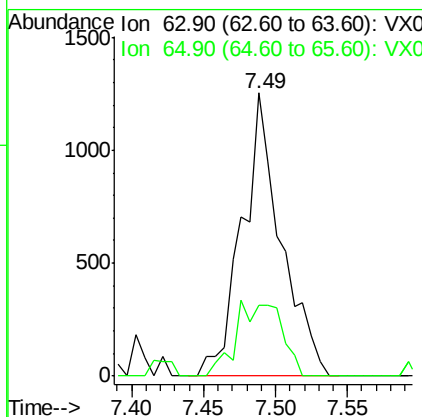
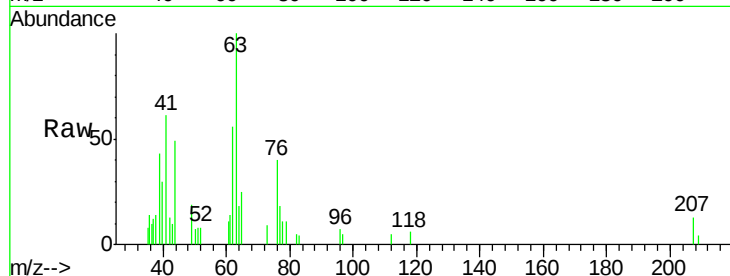
65 25.0 24.5 36.7

Manual Integrations

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MMDadoda

7/14/2020 11:36:01 AM



#46

Dibromomethane

Concen: 0.593 ug/l

RT: 7.64 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VX017356.D

Acq: 13 Jul 2020 16:28

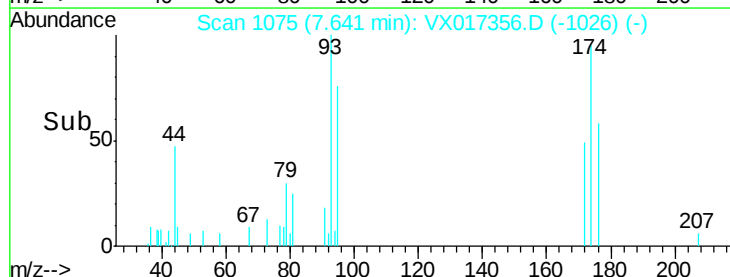
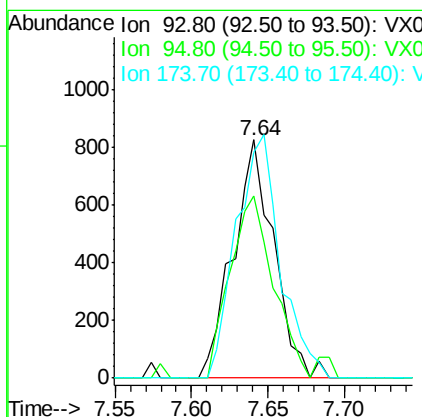
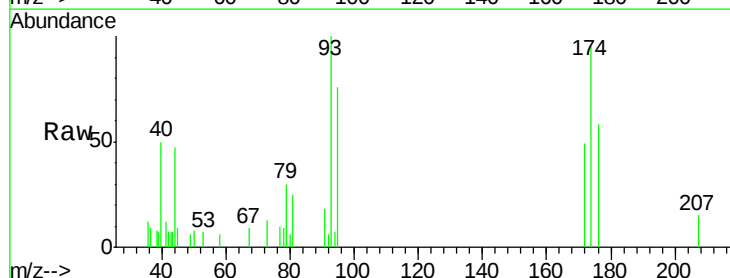
Tgt Ion: 93 Resp: 1533

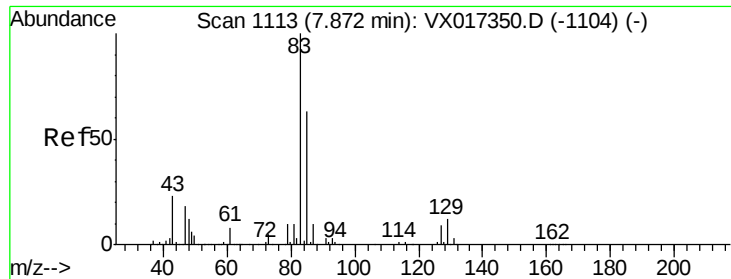
Ion Ratio Lower Upper

93 100

95 80.9 65.4 98.2

174 110.2 91.2 136.8





#47

Bromodichloromethane

Concen: 0.544 ug/l

RT: 7.87 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VX017356.D

Acq: 13 Jul 2020 16:28

Instrument :

MSVOA_X

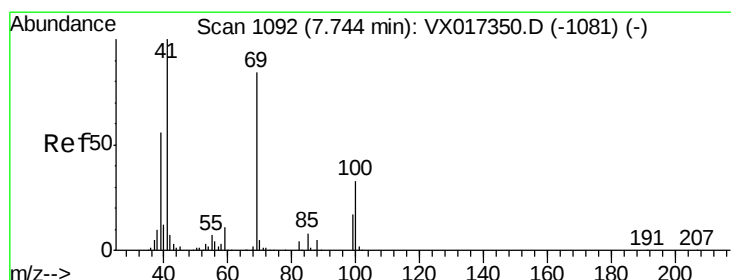
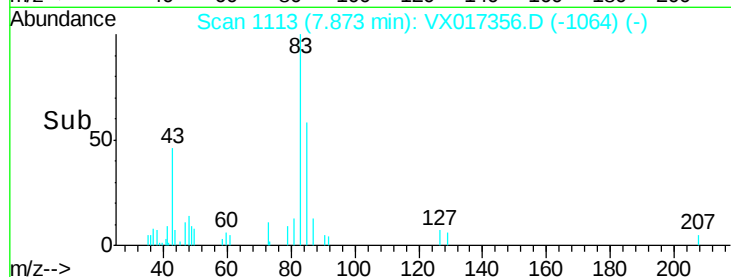
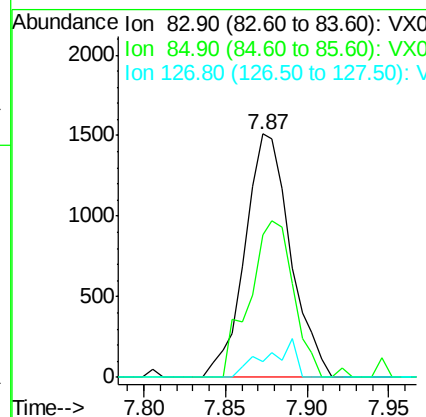
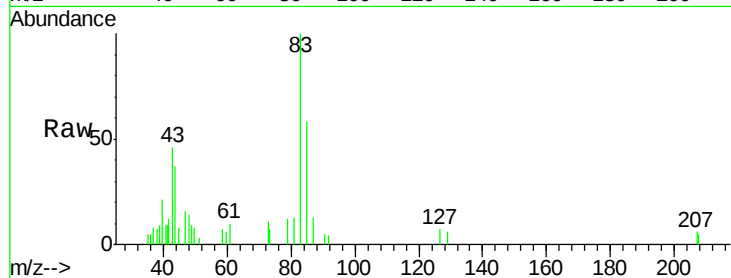
ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion:	83	Resp:	2941
Ion	Ratio	Lower	Upper
83	100		
85	58.4	50.2	75.4
127	6.8	7.1	10.7#

Manual Integrations
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#48

Methyl methacrylate

Concen: 0.586 ug/l

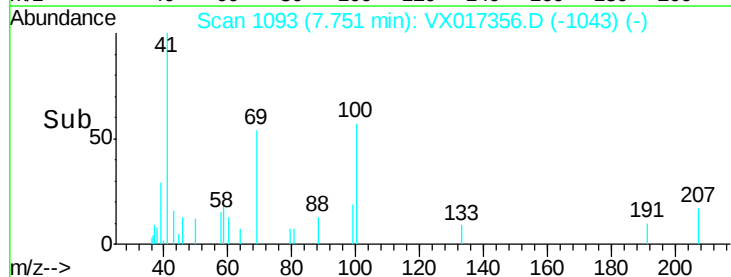
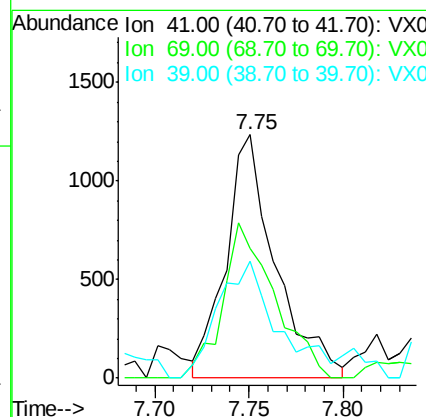
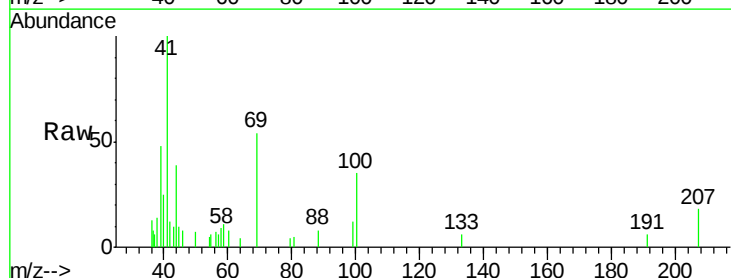
RT: 7.75 min Scan# 1093

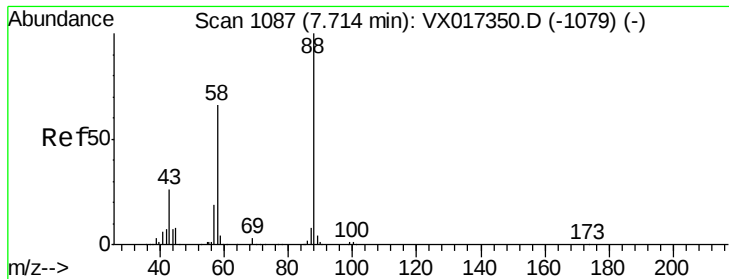
Delta R.T. 0.01 min

Lab File: VX017356.D

Acq: 13 Jul 2020 16:28

Tgt Ion:	41	Resp:	2266
Ion	Ratio	Lower	Upper
41	100		
69	66.5	67.8	101.6#
39	57.2	45.1	67.7





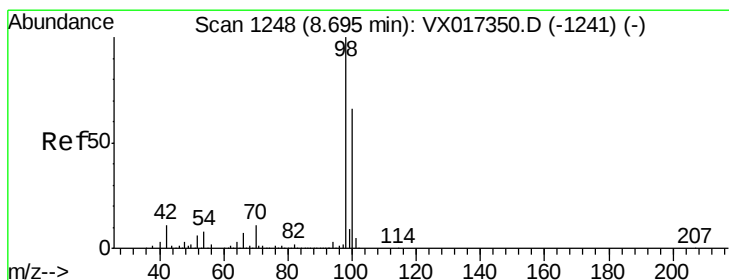
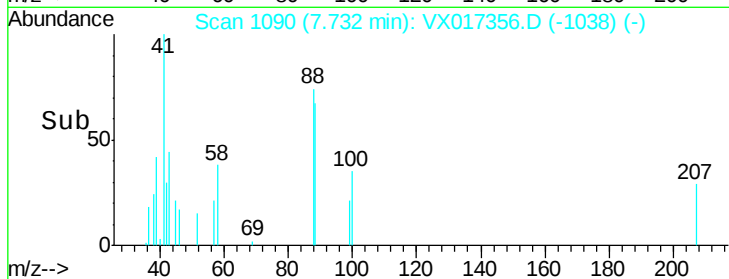
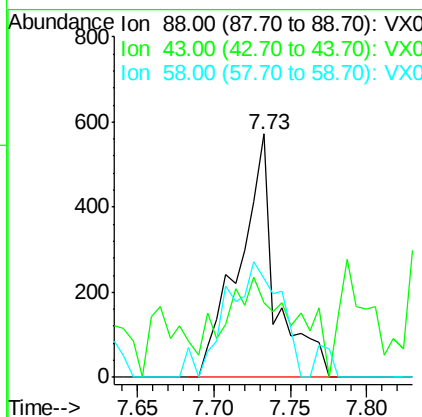
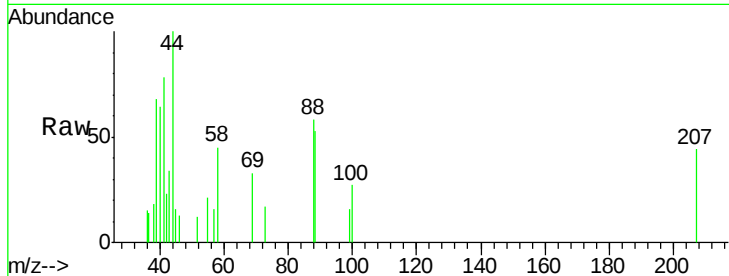
#49
1,4-Dioxane
Concen: 12.101 ug/l
RT: 7.73 min Scan# 1090
Delta R.T. 0.02 min
Lab File: VX017356.D
Acq: 13 Jul 2020 16:28

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
88	100		
43	77.7	25.6	38.4#
58	69.7	53.9	80.9

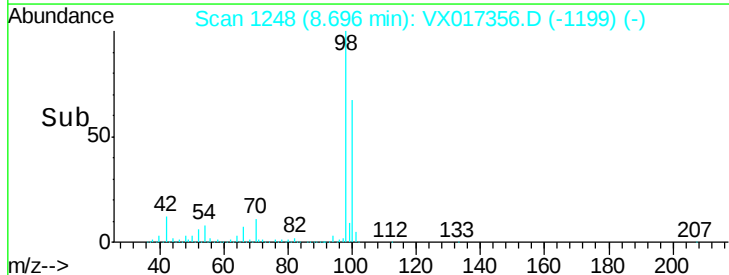
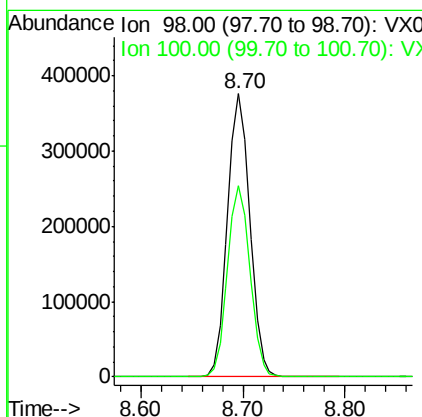
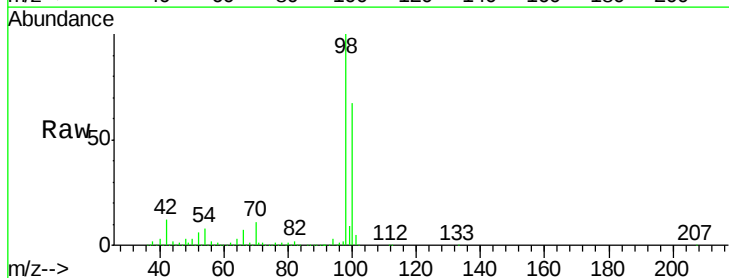
Manual Integrations
APPROVED

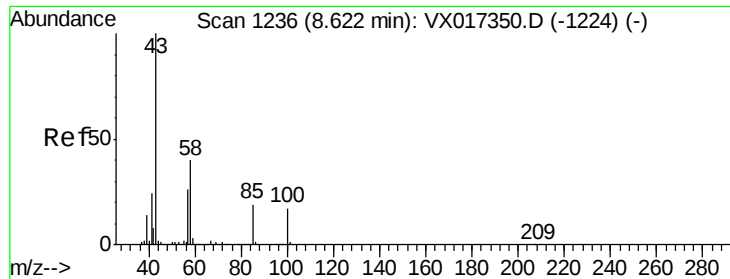
MMDadoda
7/14/2020 11:36:01 AM



#50
Toluene-d8
Concen: 44.515 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX017356.D
Acq: 13 Jul 2020 16:28

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.4	53.4	80.2





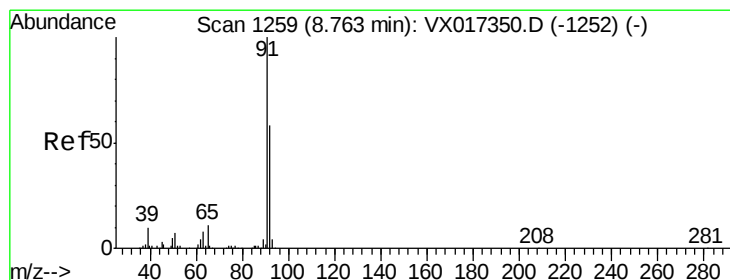
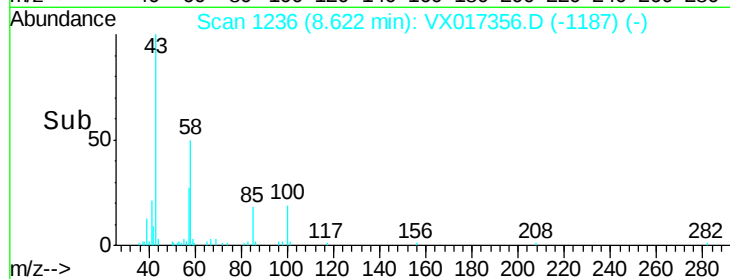
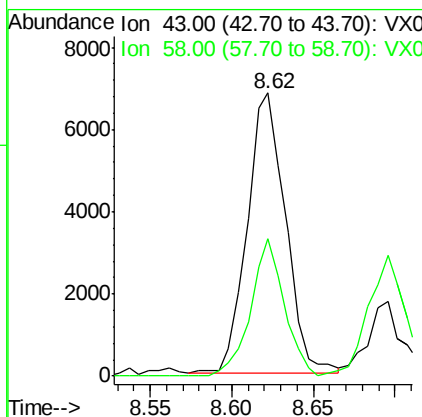
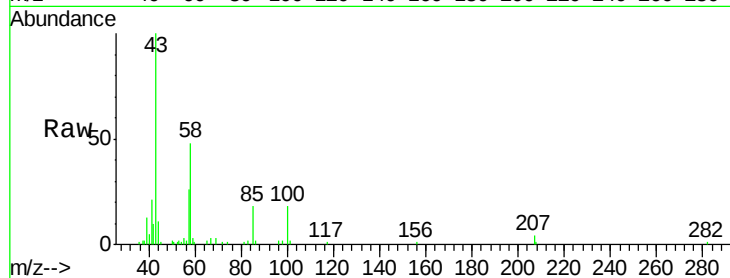
#51
4-Methyl-2-Pentanone
Concen: 2.256 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VX017356.D
Acq: 13 Jul 2020 16:28

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
43	100		
58	43.0	32.2	48.2

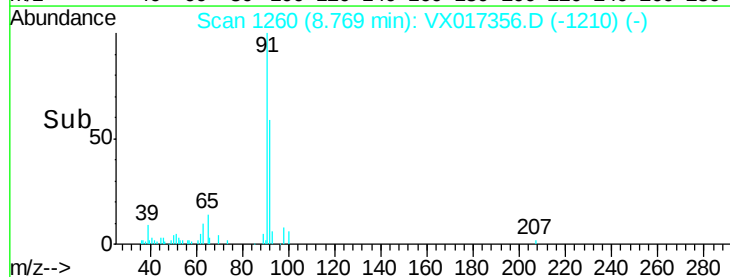
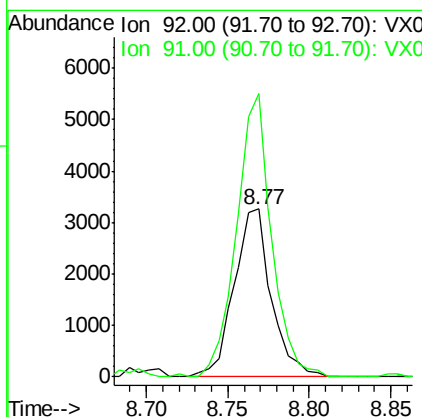
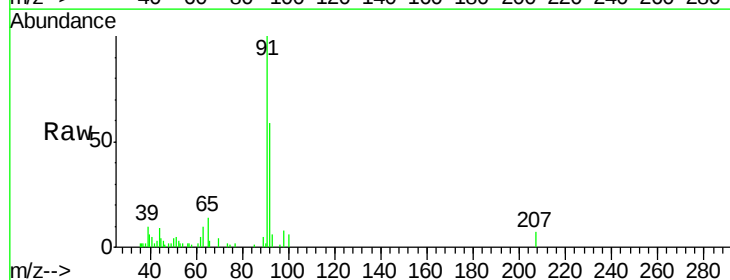
Manual Integrations
APPROVED

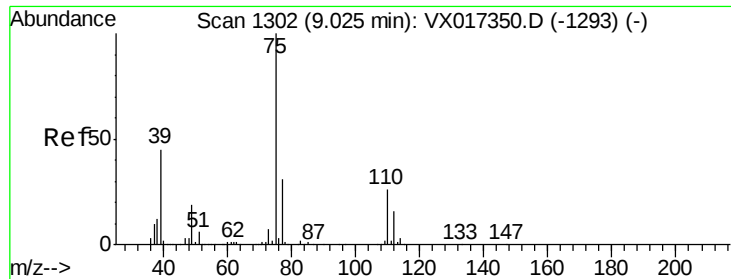
MMDadoda
7/14/2020 11:36:01 AM



#52
Toluene
Concen: 0.576 ug/l
RT: 8.77 min Scan# 1260
Delta R.T. 0.01 min
Lab File: VX017356.D
Acq: 13 Jul 2020 16:28

Tgt Ion	Ratio	Lower	Upper
92	100		
91	159.5	136.7	205.1





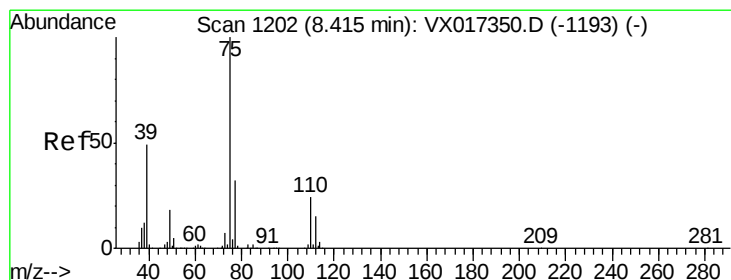
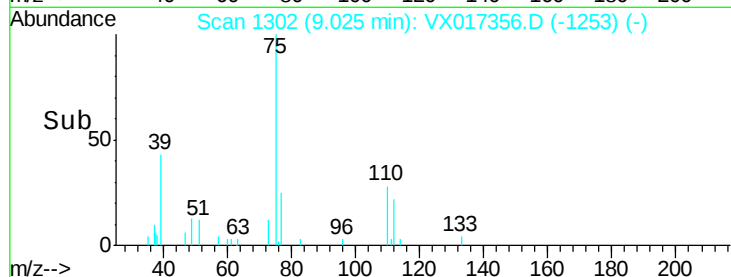
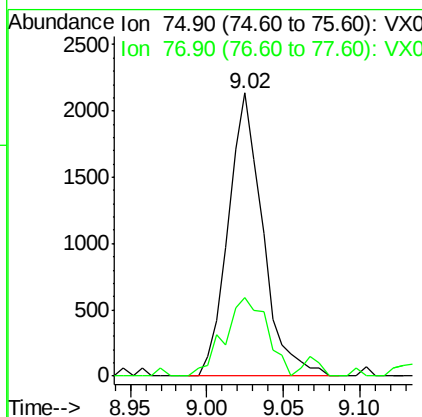
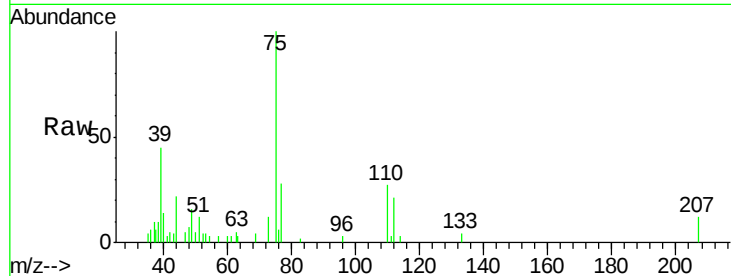
#53
t-1,3-Dichloropropene
Concen: 0.574 ug/l
RT: 9.02 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VX017356.D
Acq: 13 Jul 2020 16:28

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
75	100		
77	27.7	25.0	37.6

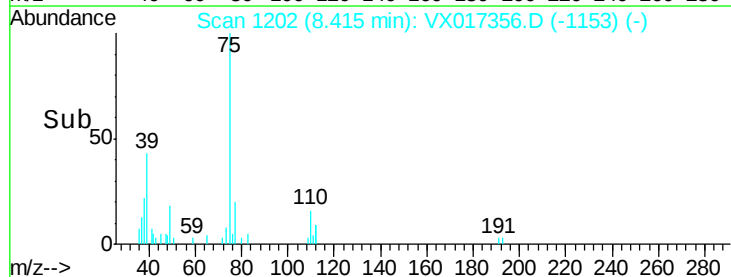
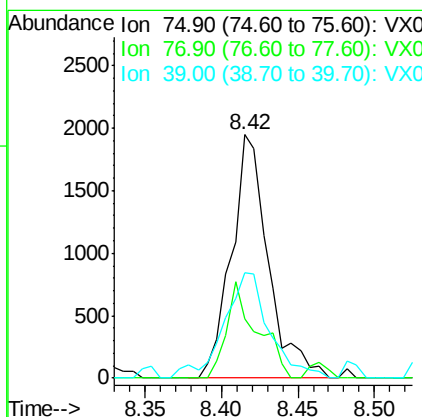
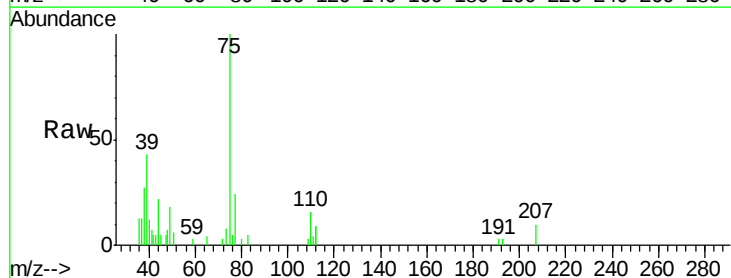
Manual Integrations
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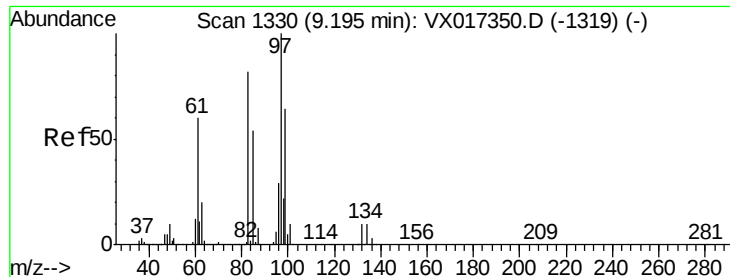
MMDadoda
7/14/2020 11:36:01 AM



#54
cis-1,3-Dichloropropene
Concen: 0.525 ug/l
RT: 8.42 min Scan# 1202
Delta R.T. 0.00 min
Lab File: VX017356.D
Acq: 13 Jul 2020 16:28

Tgt Ion	Ratio	Lower	Upper
75	100		
77	24.2	25.3	37.9#
39	43.1	38.9	58.3





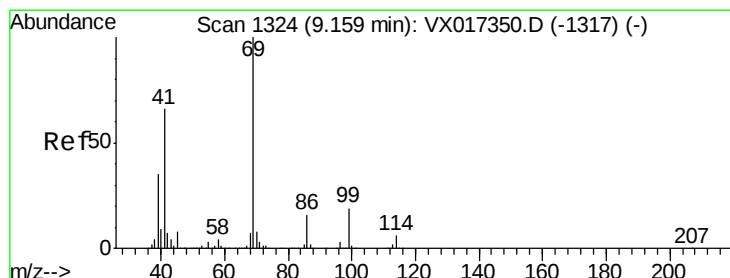
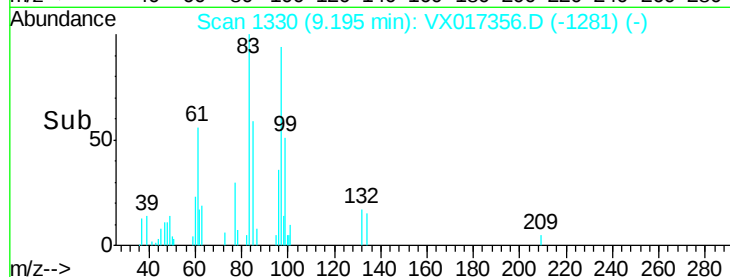
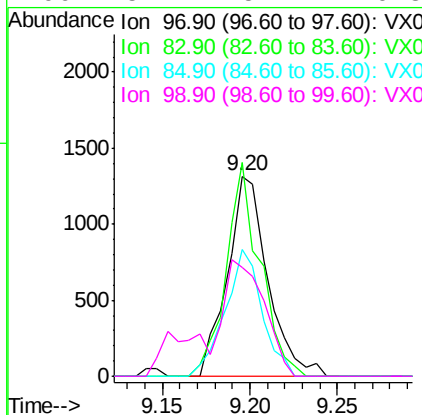
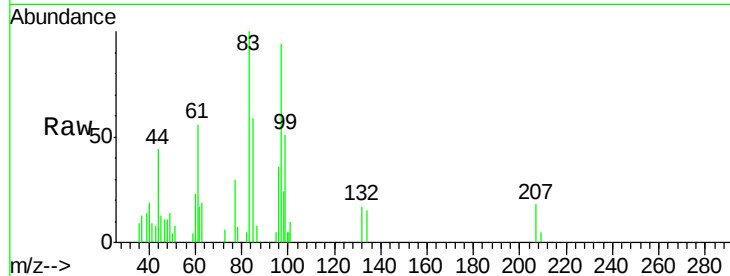
#55
 1,1,2-Trichloroethane
 Concen: 0.566 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VX017356.D
 Acq: 13 Jul 2020 16:28

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

Tot Ion:	97	Resp:	2123
Ion	Ratio	Lower	Upper
97	100		
83	106.8	65.8	98.6#
85	63.1	42.8	64.2
99	54.1	51.2	76.8

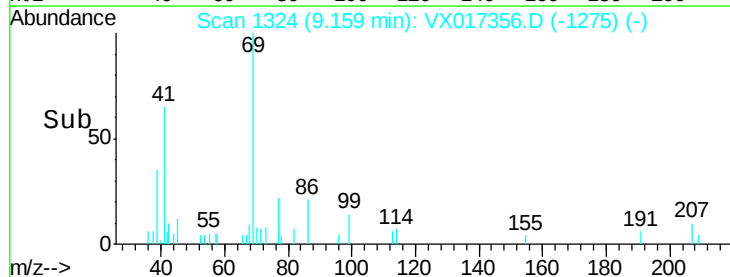
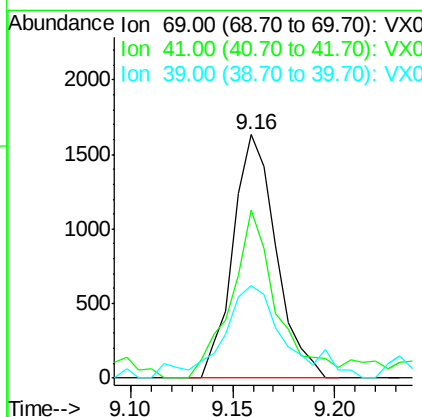
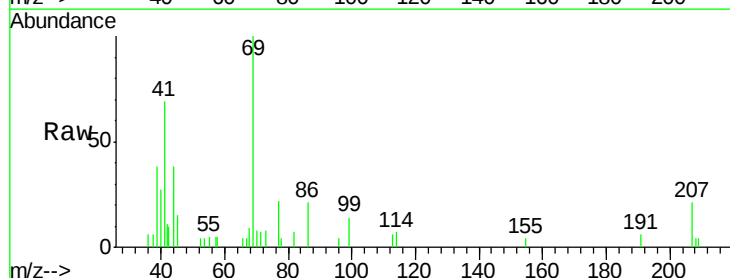
Manual Integrations
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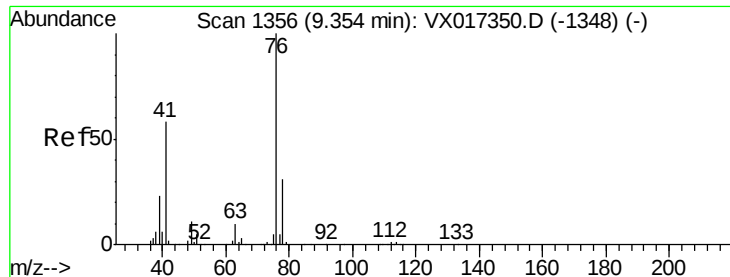
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 7/14/2020 11:36:01 AM



#56
 Ethyl methacrylate
 Concen: 0.450 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VX017356.D
 Acq: 13 Jul 2020 16:28

Tgt Ion:	69	Resp:	2393
Ion	Ratio	Lower	Upper
69	100		
41	72.5	52.6	78.8
39	55.3	28.8	43.2#





#57

1,3-Dichloropropane

Concen: 0.568 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. 0.00 min

Lab File: VX017356.D

Acq: 13 Jul 2020 16:28

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion: 76 Resp: 3539

Ion Ratio Lower Upper

76 100

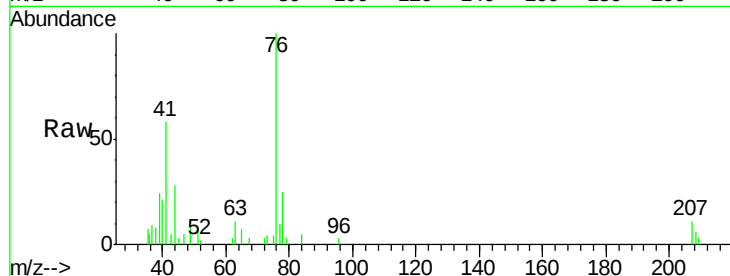
78 37.2 25.8 38.6

Manual Integrations

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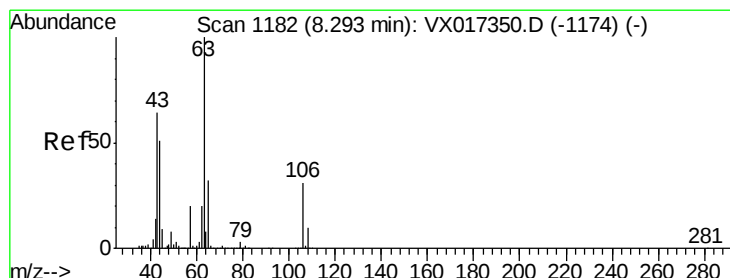
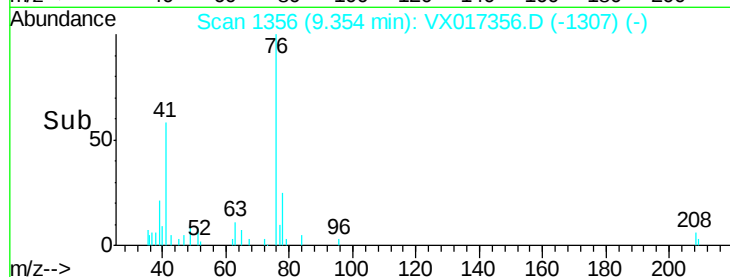
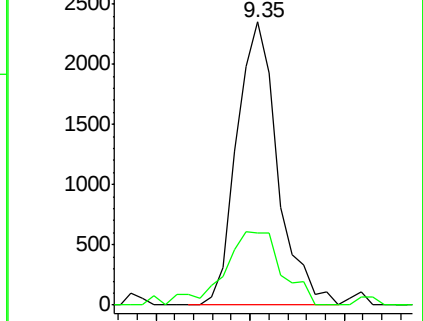
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 2.123 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VX017356.D

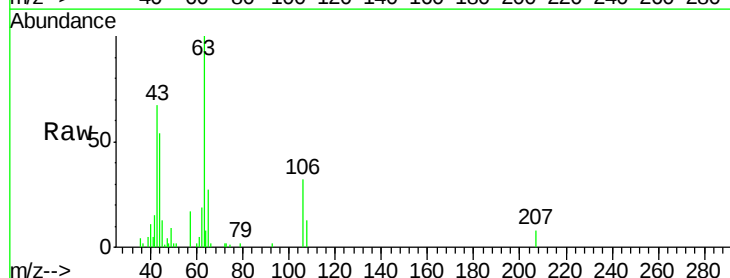
Acq: 13 Jul 2020 16:28

Tgt Ion: 63 Resp: 5736

Ion Ratio Lower Upper

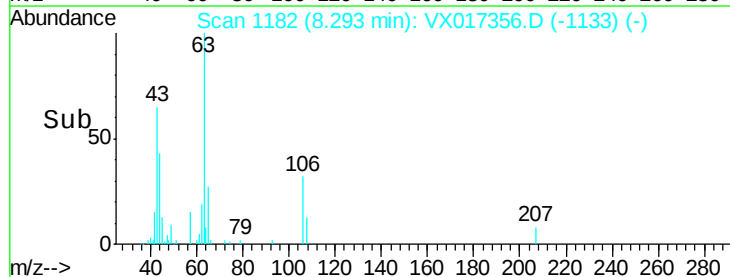
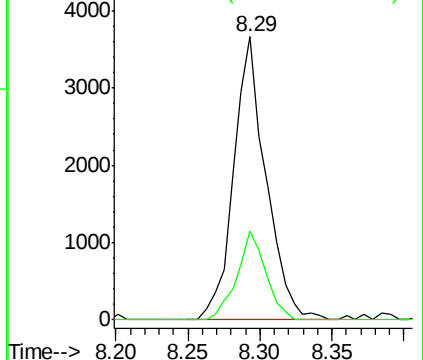
63 100

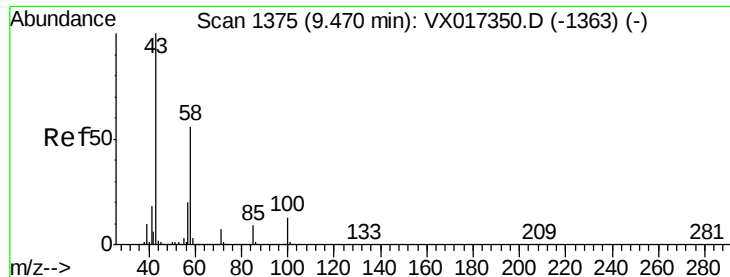
106 27.9 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





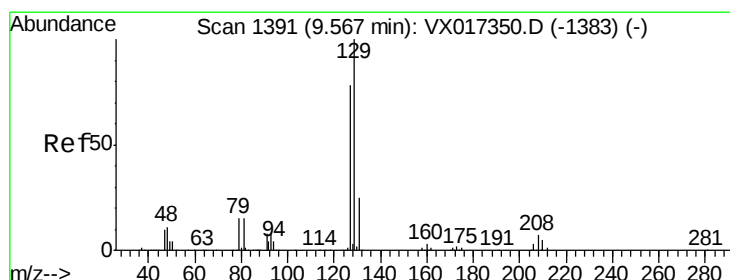
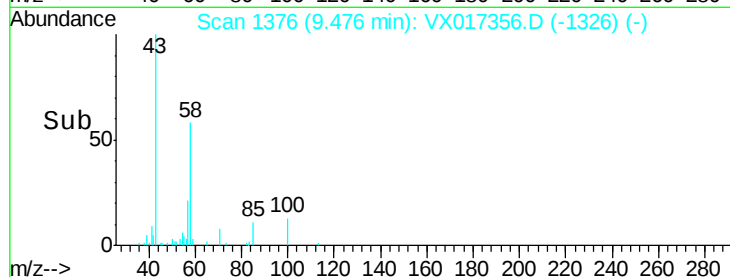
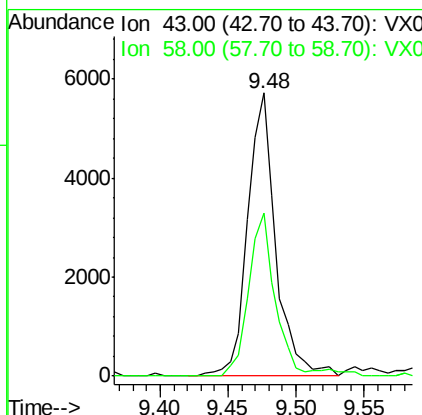
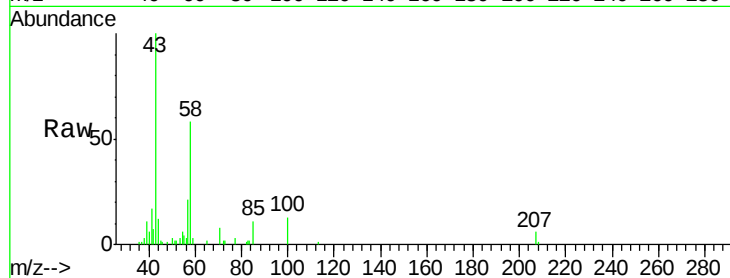
#59
2-Hexanone
Concen: 2.230 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. 0.01 min
Lab File: VX017356.D
Acq: 13 Jul 2020 16:28

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion: 43 Resp: 8264
Ion Ratio Lower Upper
43 100
58 53.4 28.1 84.3

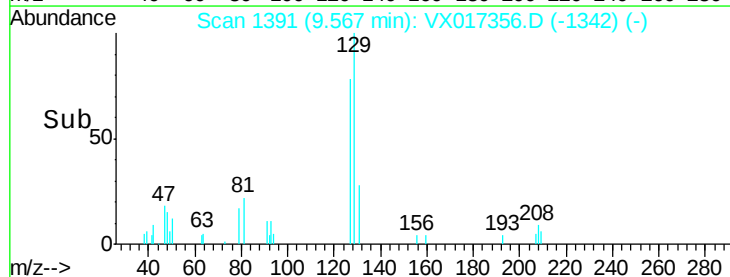
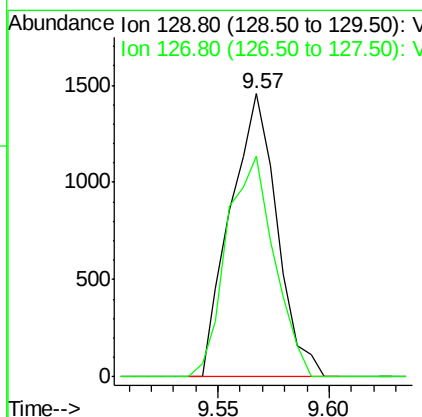
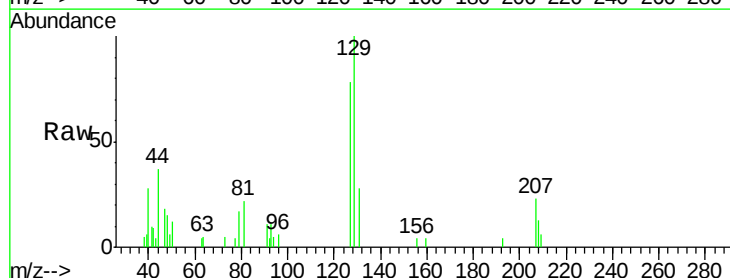
Manual Integrations
APPROVED

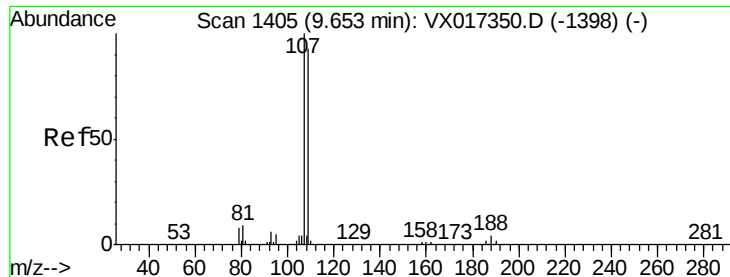
MMDadoda
7/14/2020 11:36:01 AM



#60
Dibromochloromethane
Concen: 0.463 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VX017356.D
Acq: 13 Jul 2020 16:28

Tgt Ion: 129 Resp: 2122
Ion Ratio Lower Upper
129 100
127 79.5 38.9 116.6





#61

1,2-Dibromoethane

Concen: 0.537 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: VX017356.D

Acq: 13 Jul 2020 16:28

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion:107 Resp: 2191

Ion Ratio Lower Upper

107 100

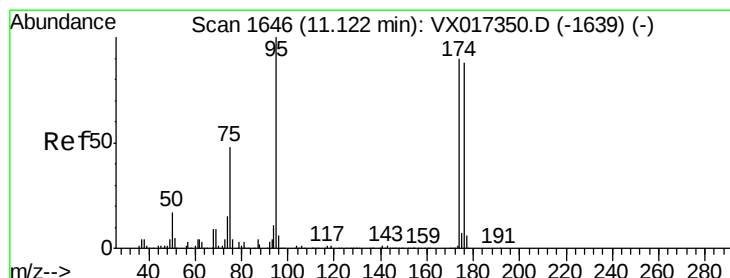
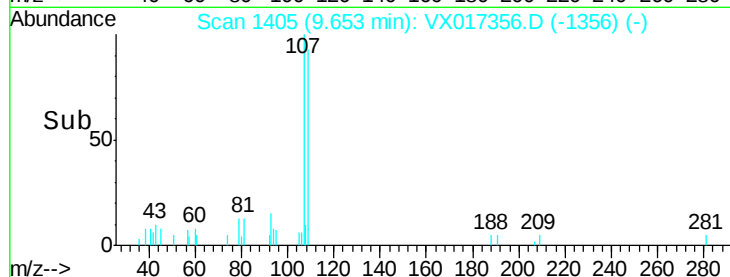
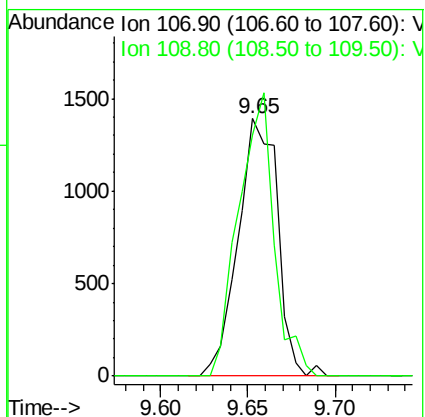
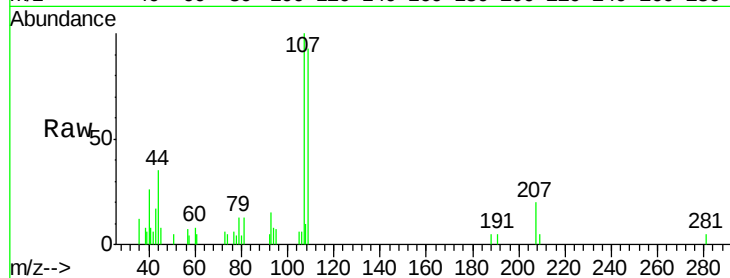
109 98.4 75.0 112.4

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 41.129 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX017356.D

Acq: 13 Jul 2020 16:28

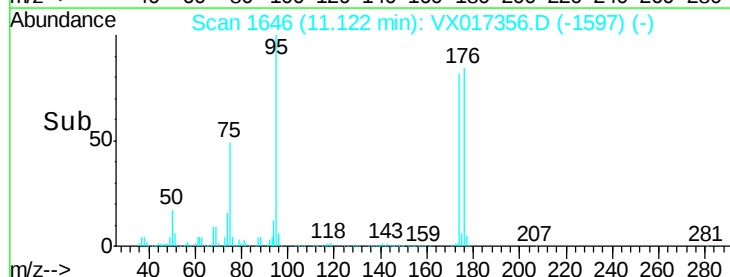
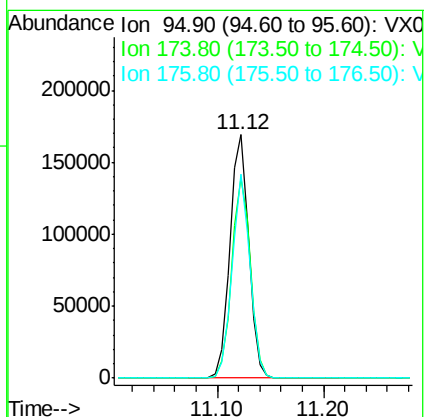
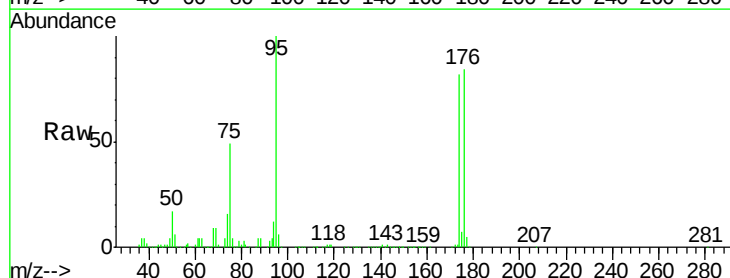
Tgt Ion: 95 Resp: 210313

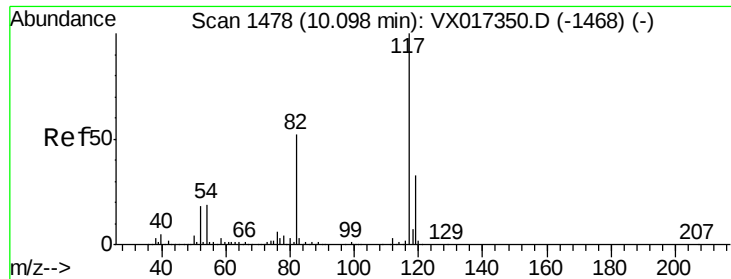
Ion Ratio Lower Upper

95 100

174 82.5 0.0 175.8

176 79.9 0.0 164.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.00 min

Lab File: VX017356.D

Acq: 13 Jul 2020 16:28

Instrument :

MSVOA_X

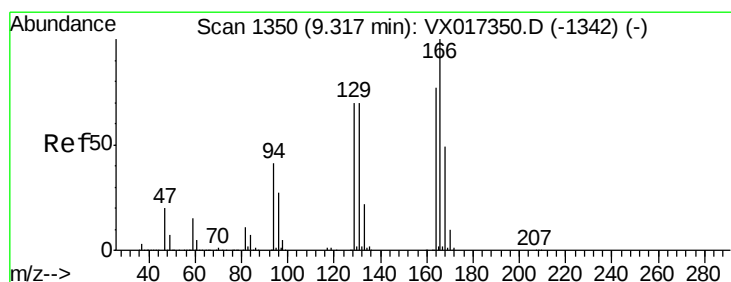
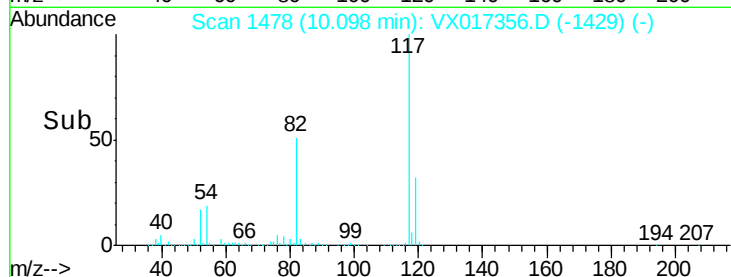
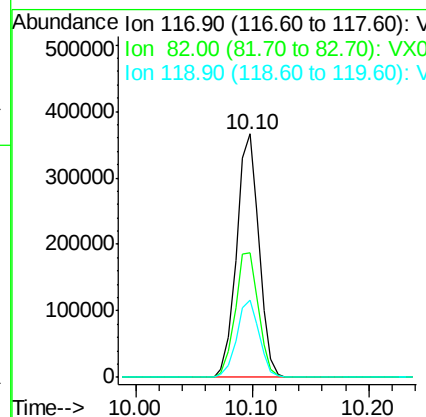
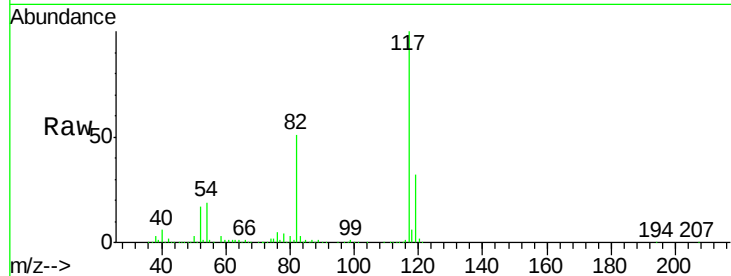
ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion:	117	Resp:	489669
Ion Ratio	Lower	Upper	
117	100		
82	51.1	42.0	63.0
119	31.8	26.3	39.5

Manual Integrations
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#64

Tetrachloroethene

Concen: 0.659 ug/l

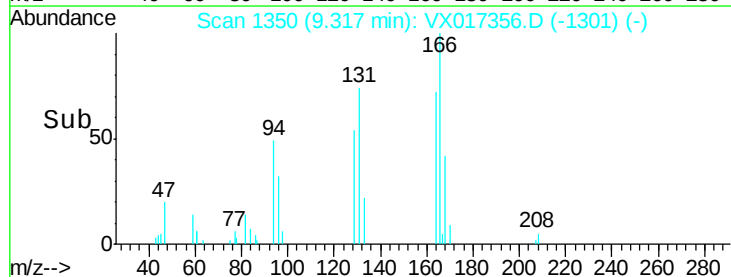
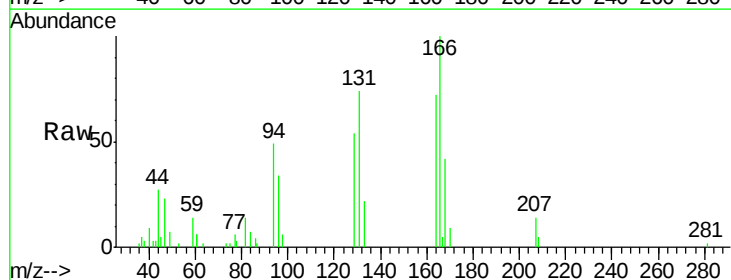
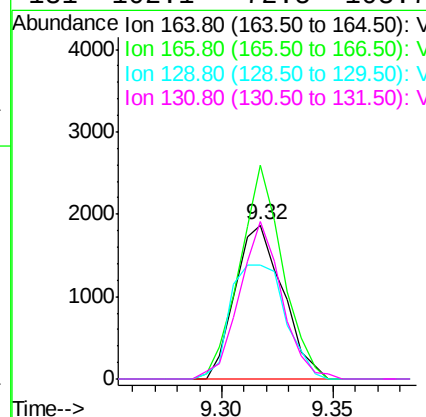
RT: 9.32 min Scan# 1350

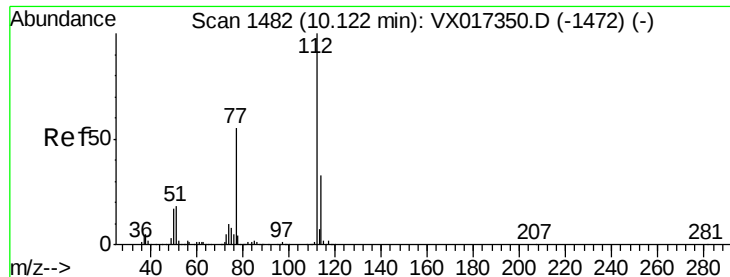
Delta R.T. 0.00 min

Lab File: VX017356.D

Acq: 13 Jul 2020 16:28

Tgt Ion:	164	Resp:	2793
Ion Ratio	Lower	Upper	
164	100		
166	138.9	103.9	155.9
129	74.5	72.9	109.3
131	102.1	72.5	108.7





#65

Chlorobenzene

Concen: 0.601 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX017356.D

Acq: 13 Jul 2020 16:28

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion:112 Resp: 5976

Ion Ratio Lower Upper

112 100

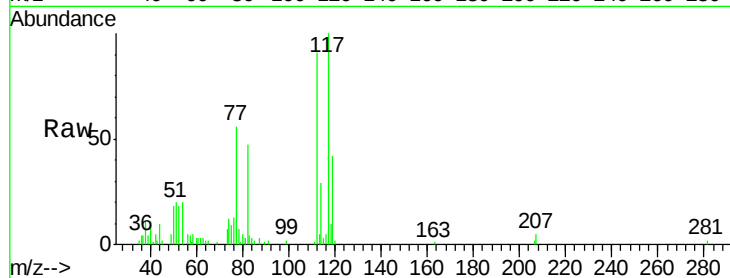
114 31.7 26.0 39.0

Manual Integrations

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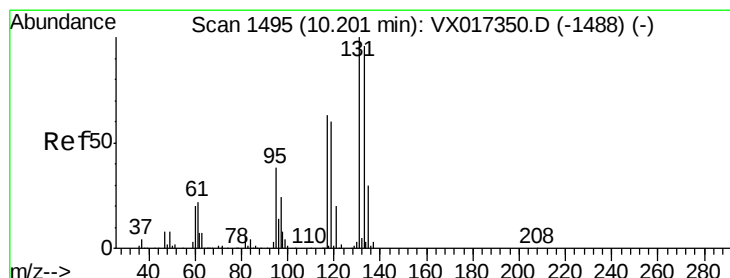
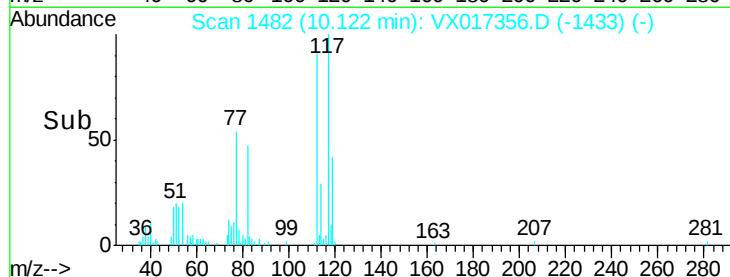
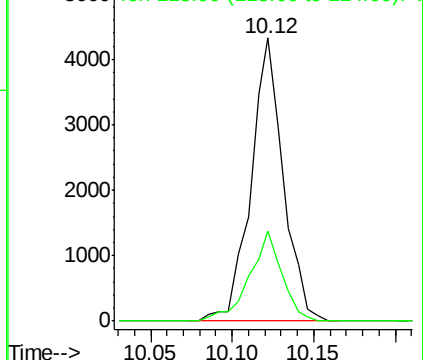
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 0.570 ug/l

RT: 10.21 min Scan# 1496

Delta R.T. 0.01 min

Lab File: VX017356.D

Acq: 13 Jul 2020 16:28

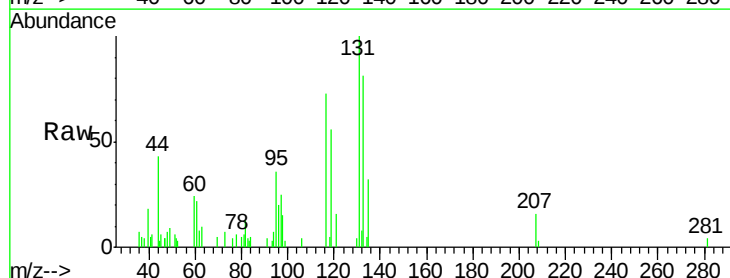
Tgt Ion:131 Resp: 2258

Ion Ratio Lower Upper

131 100

133 93.9 48.4 145.2

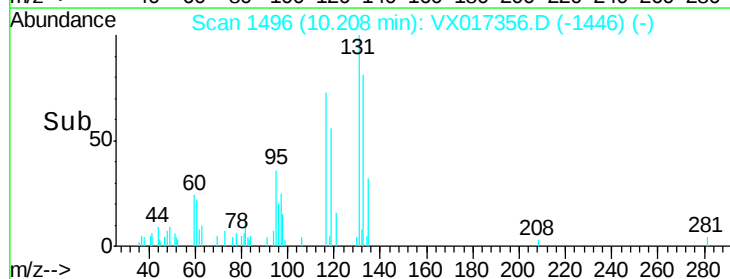
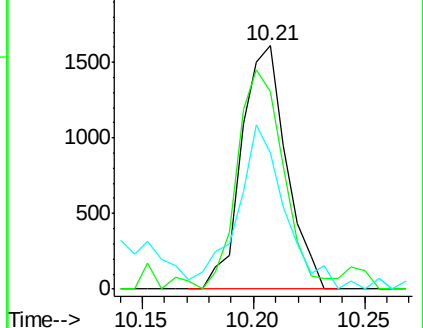
119 0.0 31.2 93.6#

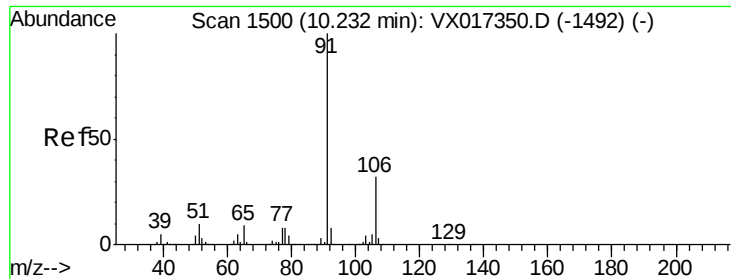


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





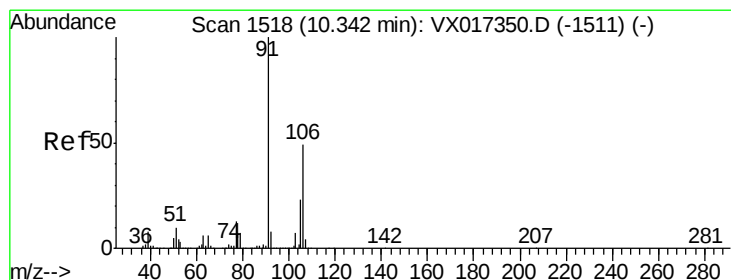
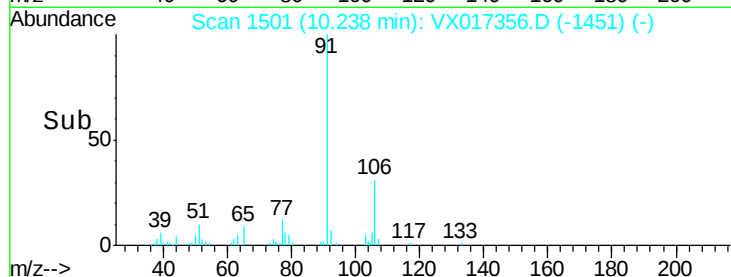
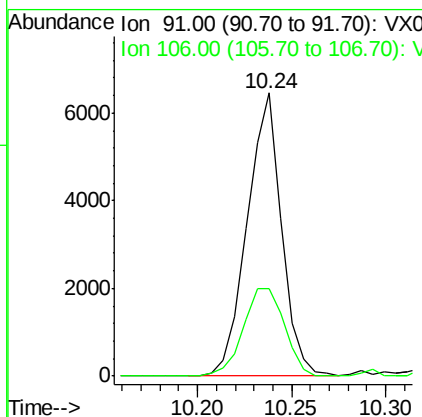
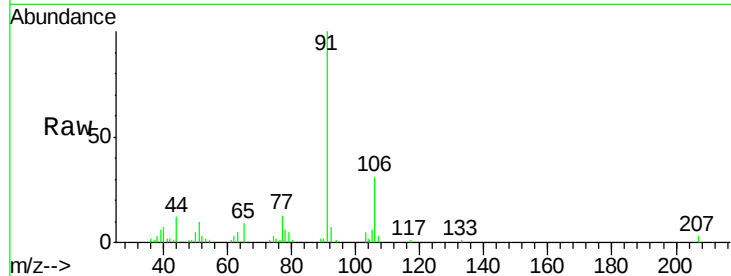
#67
Ethyl Benzene
Concen: 0.492 ug/l
RT: 10.24 min Scan# 1501
Delta R.T. 0.01 min
Lab File: VX017356.D
Acq: 13 Jul 2020 16:28

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion: 91 Resp: 8144
Ion Ratio Lower Upper
91 100
106 31.1 25.7 38.5

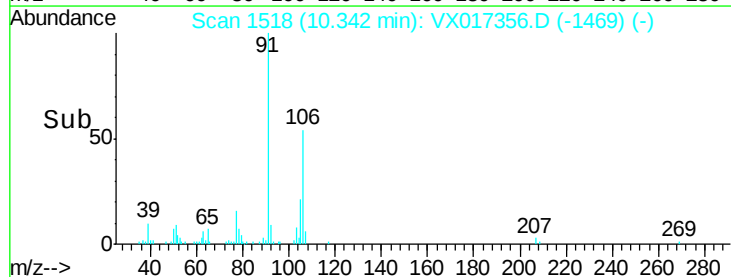
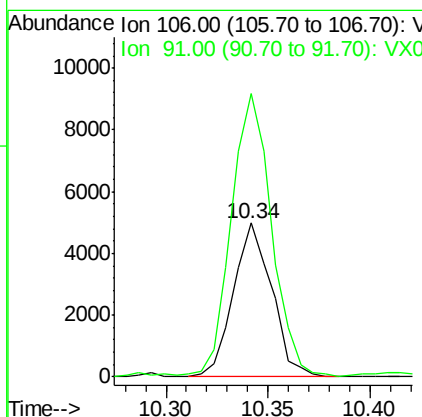
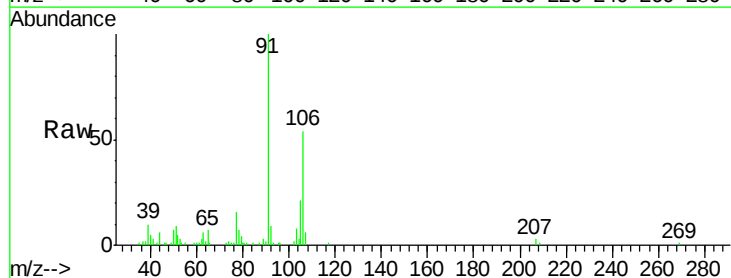
Manual Integrations
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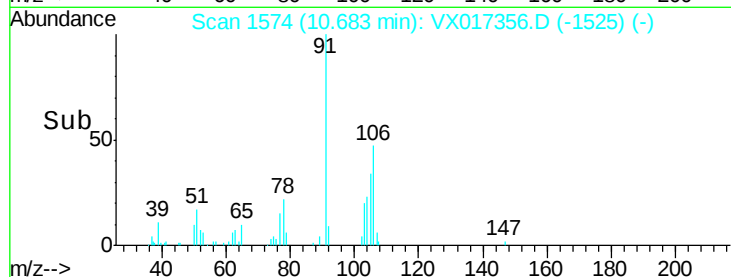
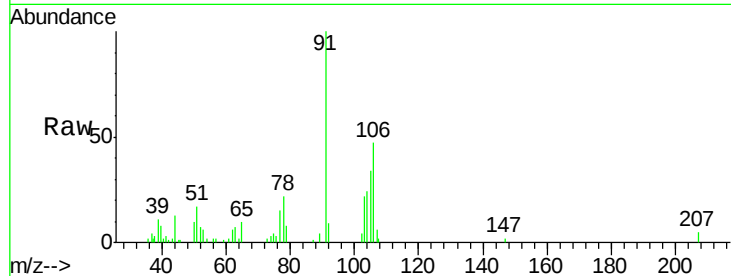
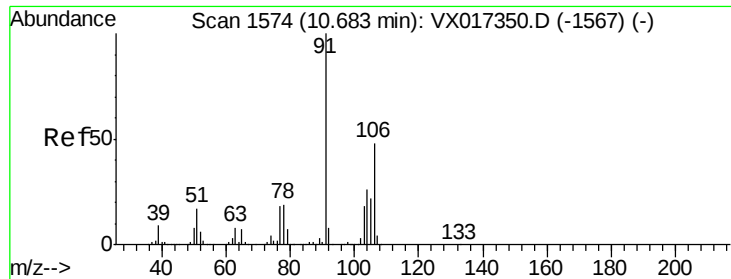
MMDadoda
7/14/2020 11:36:01 AM



#68
m/p-Xylenes
Concen: 1.033 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VX017356.D
Acq: 13 Jul 2020 16:28

Tgt Ion: 106 Resp: 6514
Ion Ratio Lower Upper
106 100
91 192.9 162.5 243.7





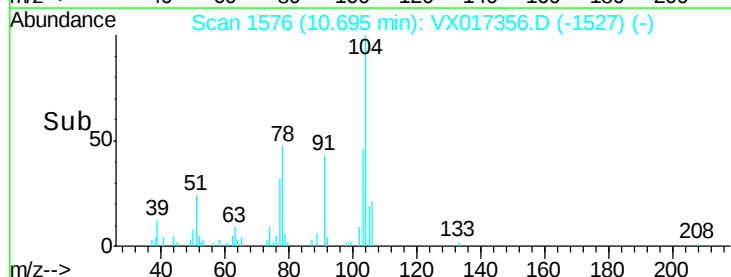
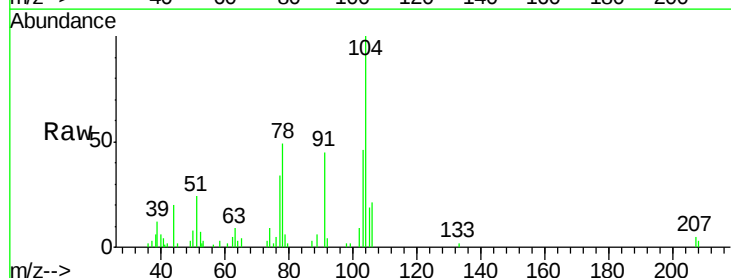
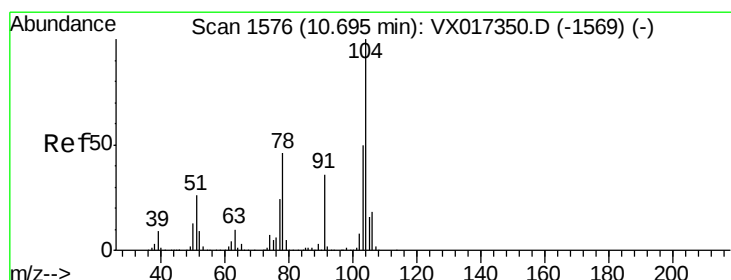
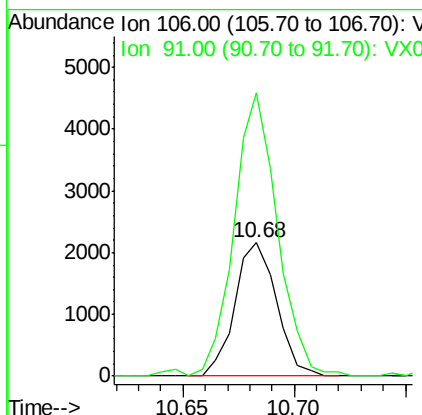
#69
o-Xylene
Concen: 0.471 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX017356.D
Acq: 13 Jul 2020 16:28

Tot Ion:106 Resp: 2835
Ion Ratio Lower Upper
106 100
91 221.0 106.1 318.1

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

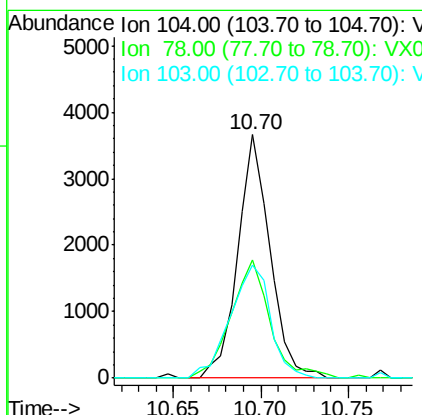
Manual Integrations
APPROVED

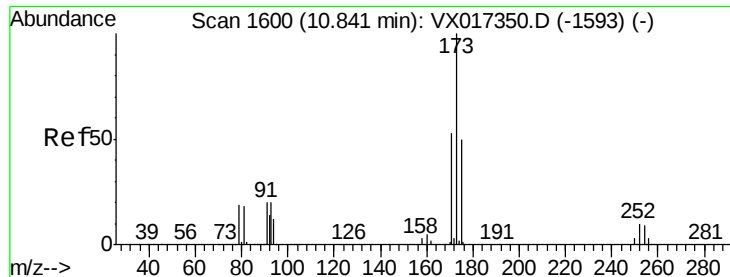
MMDadoda
7/14/2020 11:36:01 AM



#70
Styrene
Concen: 0.455 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX017356.D
Acq: 13 Jul 2020 16:28

Tgt Ion:104 Resp: 4702
Ion Ratio Lower Upper
104 100
78 58.8 40.8 61.2
103 58.0 43.3 64.9





#71

Bromoform

Concen: 0.459 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX017356.D

Acq: 13 Jul 2020 16:28

Instrument :

MSVOA_X

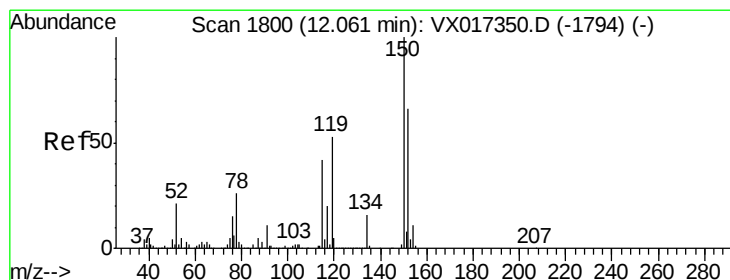
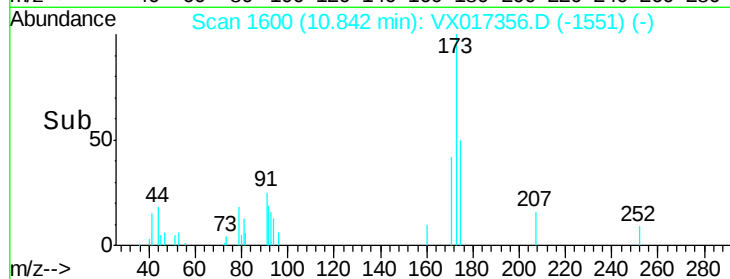
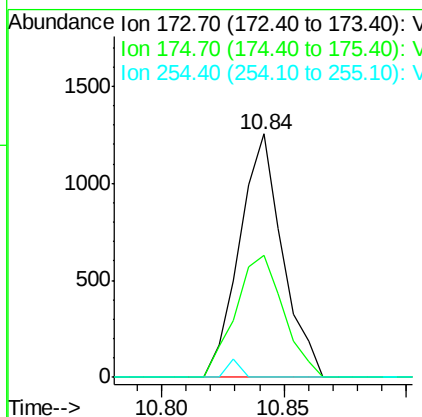
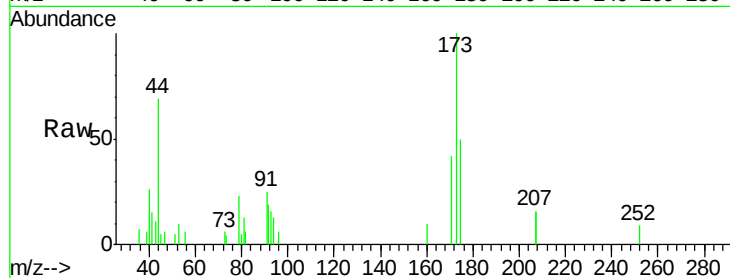
ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion:	173	Resp:	1533
Ion Ratio	Lower	Upper	
173	100		
175	56.3	24.7	74.1
254	2.3	0.1	0.1#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

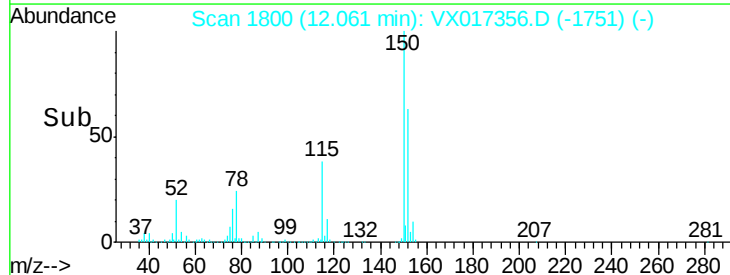
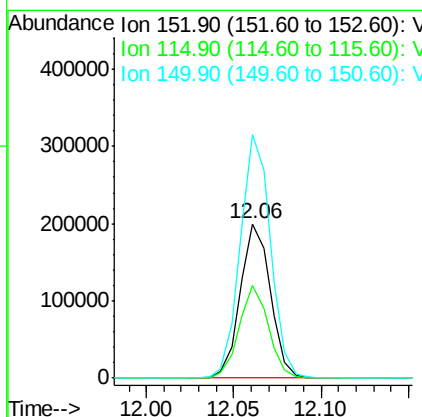
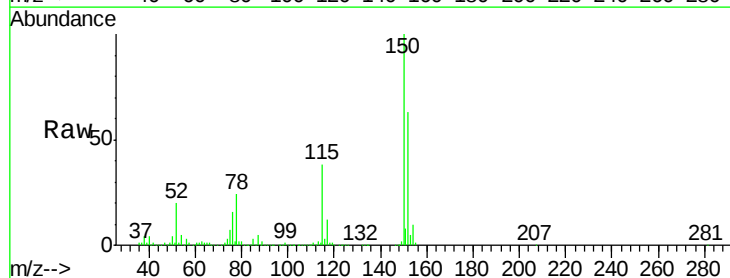
RT: 12.06 min Scan# 1800

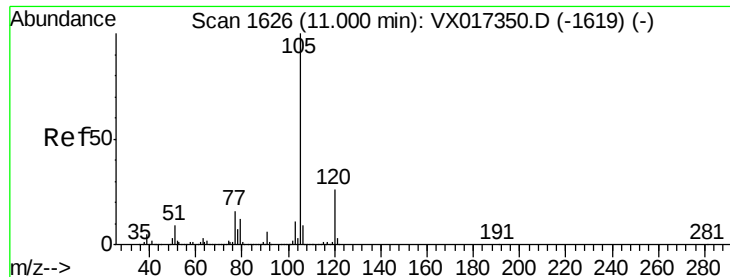
Delta R.T. 0.00 min

Lab File: VX017356.D

Acq: 13 Jul 2020 16:28

Tgt Ion:	152	Resp:	238251
Ion Ratio	Lower	Upper	
152	100		
115	58.7	39.9	119.7
150	158.6	0.0	343.4





#73

Isopropylbenzene

Concen: 0.500 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX017356.D

Acq: 13 Jul 2020 16:28

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion: 105 Resp: 7465

Ion Ratio Lower Upper

105 100

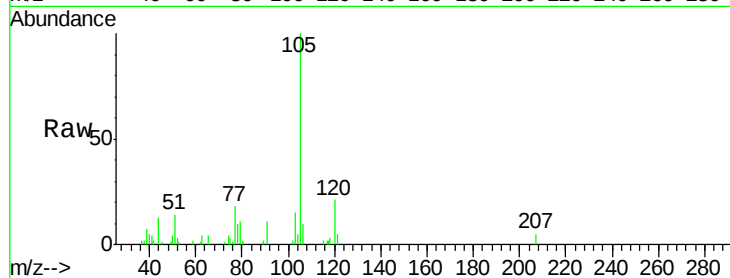
120 27.4 13.3 39.8

Manual Integrations

APPROVED

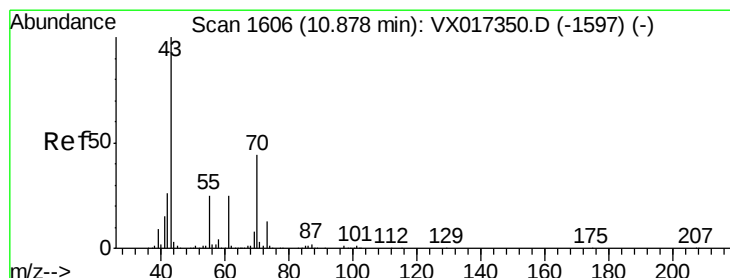
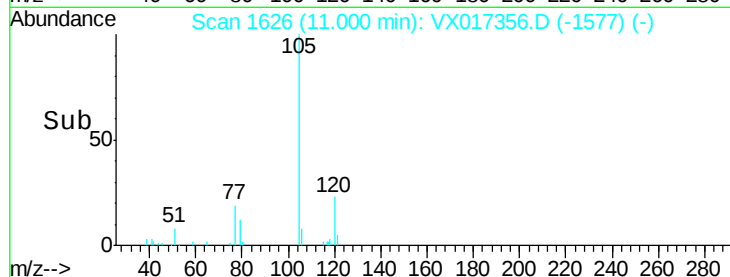
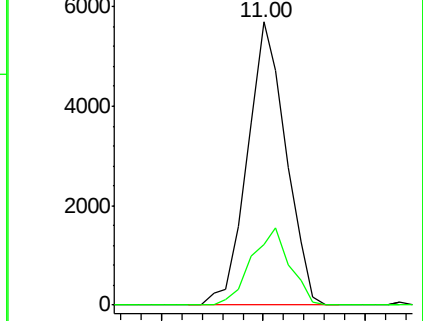
MMDadoda

7/14/2020 11:36:01 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 0.503 ug/l

RT: 10.88 min Scan# 1607

Delta R.T. 0.01 min

Lab File: VX017356.D

Acq: 13 Jul 2020 16:28

Tgt Ion: 43 Resp: 3009

Ion Ratio Lower Upper

43 100

70 36.8 35.7 53.5

55 29.0 20.3 30.5

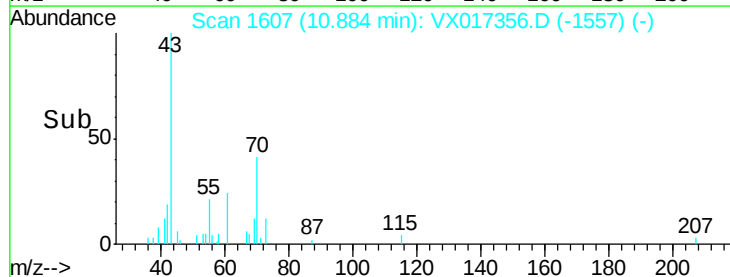
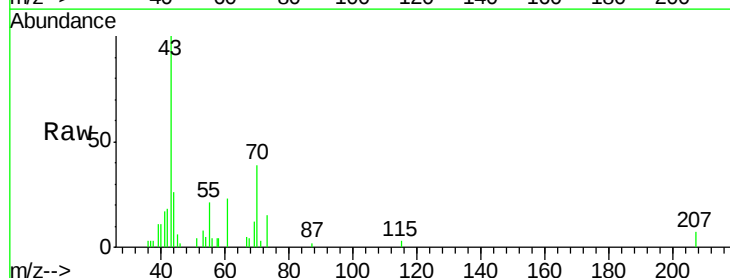
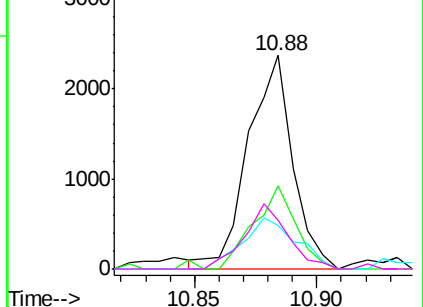
61 29.9 20.0 30.0

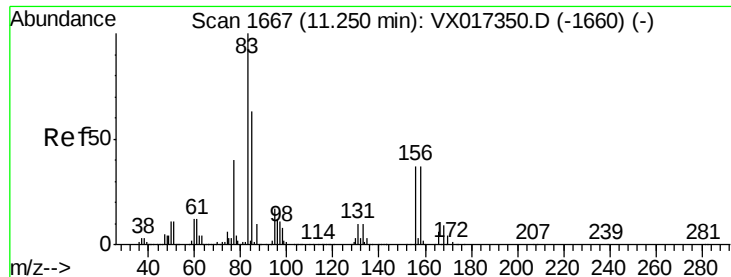
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 0.654 ug/l

RT: 11.26 min Scan# 1668

Delta R.T. 0.01 min

Lab File: VX017356.D

Acq: 13 Jul 2020 16:28

Instrument :

MSVOA_X

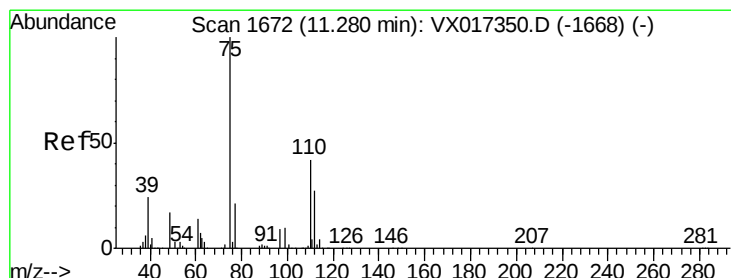
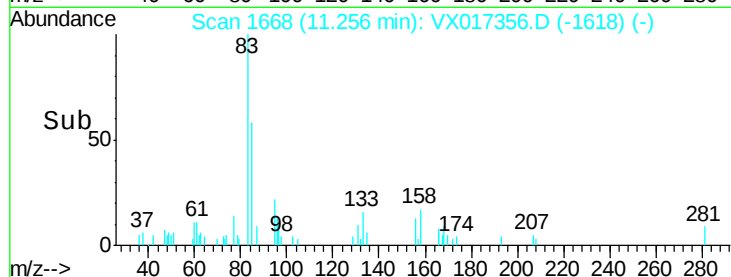
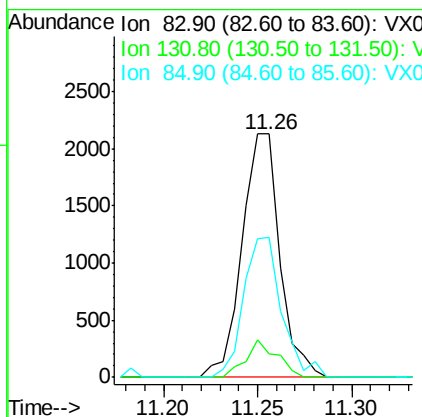
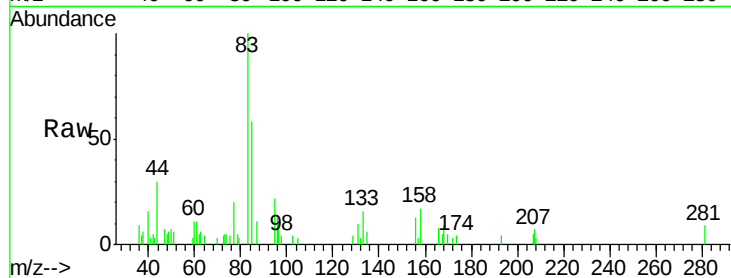
ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion:	83	Resp:	2964
Ion Ratio	Lower	Upper	
83	100		
131	12.5	5.5	16.7
85	57.8	32.6	98.0

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#76

1,2,3-Trichloropropane

Concen: 0.721 ug/l m

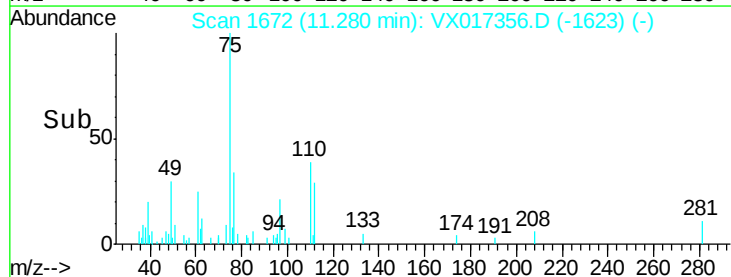
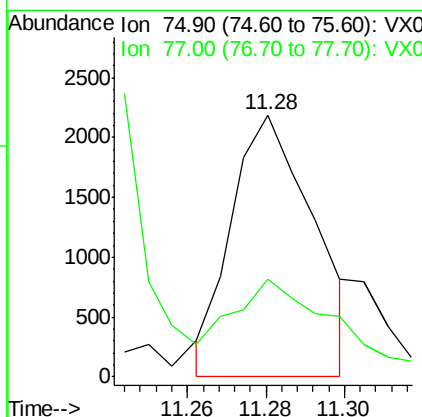
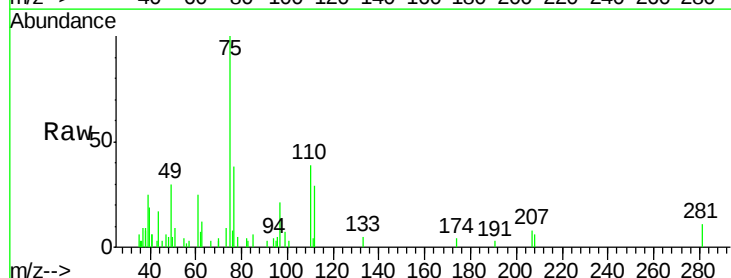
RT: 11.28 min Scan# 1672

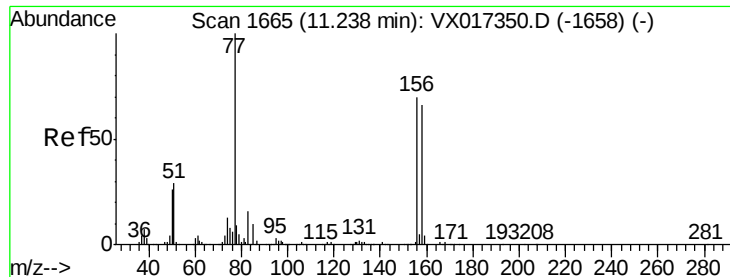
Delta R.T. 0.00 min

Lab File: VX017356.D

Acq: 13 Jul 2020 16:28

Tgt Ion:	75	Resp:	3176
Ion Ratio	Lower	Upper	
75	100		
77	47.8	20.3	60.9





#77

Bromobenzene

Concen: 0.642 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VX017356.D

Acq: 13 Jul 2020 16:28

Instrument :

MSVOA_X

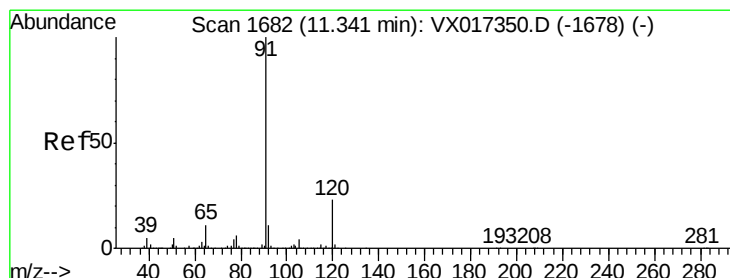
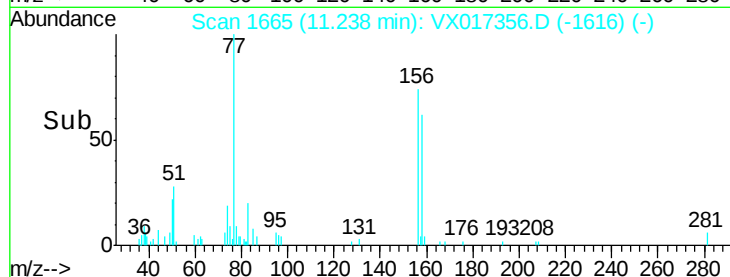
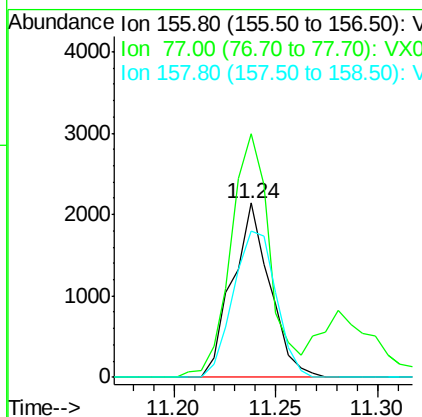
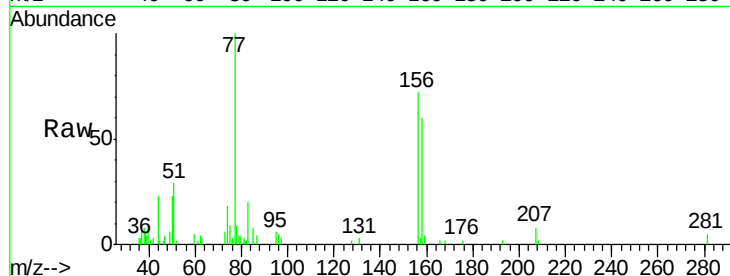
ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion:	156	Resp:	2732
Ion Ratio	Lower	Upper	
156	100		
77	146.1	72.1	216.3
158	95.5	47.4	142.3

Manual Integrations
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MMDadoda
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#78

n-propylbenzene

Concen: 0.524 ug/l

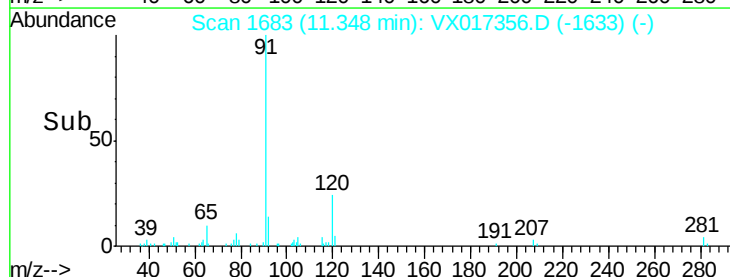
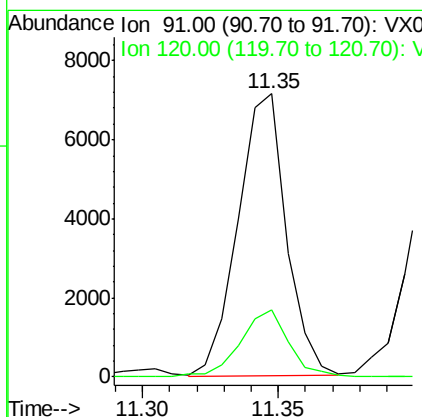
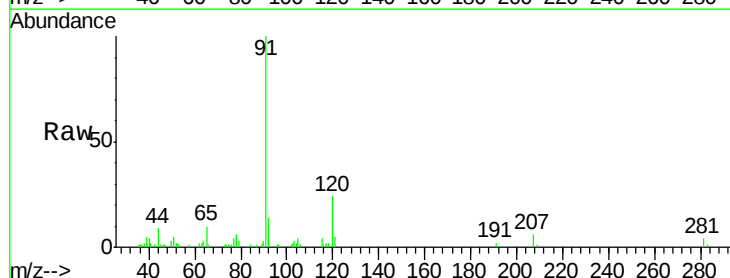
RT: 11.35 min Scan# 1683

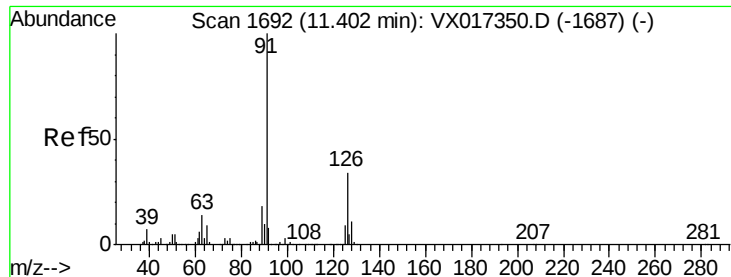
Delta R.T. 0.01 min

Lab File: VX017356.D

Acq: 13 Jul 2020 16:28

Tgt Ion:	91	Resp:	8789
Ion Ratio	Lower	Upper	
91	100		
120	23.9	11.9	35.9





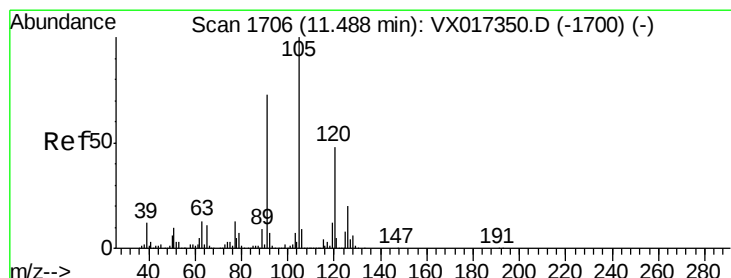
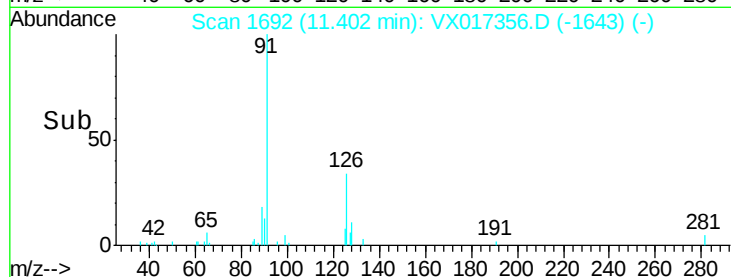
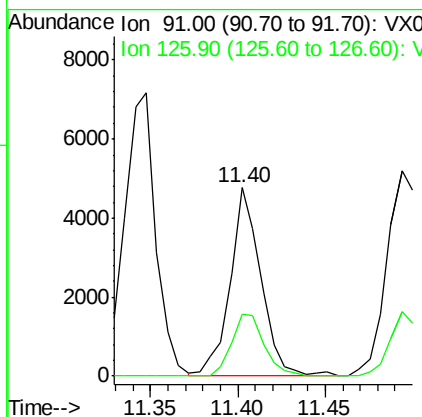
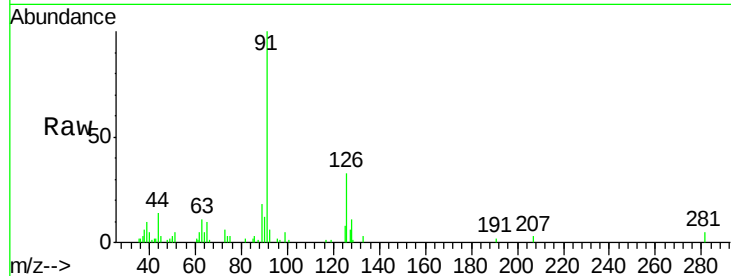
#79
2-Chlorotoluene
Concen: 0.570 ug/l
RT: 11.40 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VX017356.D
Acq: 13 Jul 2020 16:28

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion: 91 Resp: 5887
Ion Ratio Lower Upper
91 100
126 34.3 17.4 52.3

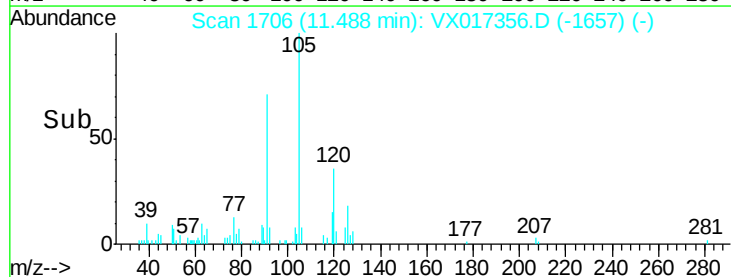
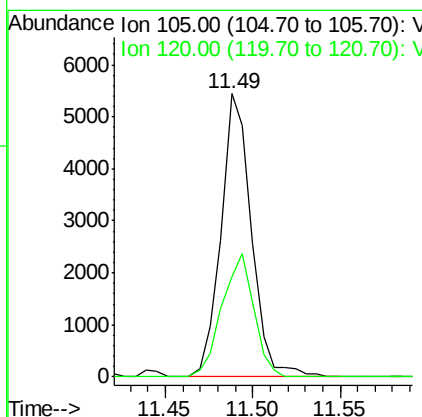
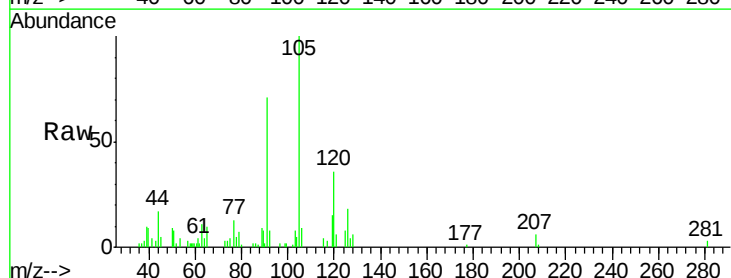
Manual Integrations
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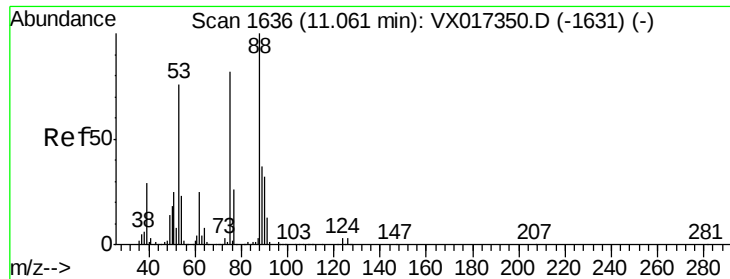
MMDadoda
7/14/2020 11:36:01 AM



#80
1,3,5-Trimethylbenzene
Concen: 0.519 ug/l
RT: 11.49 min Scan# 1706
Delta R.T. 0.00 min
Lab File: VX017356.D
Acq: 13 Jul 2020 16:28

Tgt Ion: 105 Resp: 6586
Ion Ratio Lower Upper
105 100
120 45.5 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 0.682 ug/l m

RT: 11.06 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VX017356.D

Acq: 13 Jul 2020 16:28

Instrument :

MSVOA_X

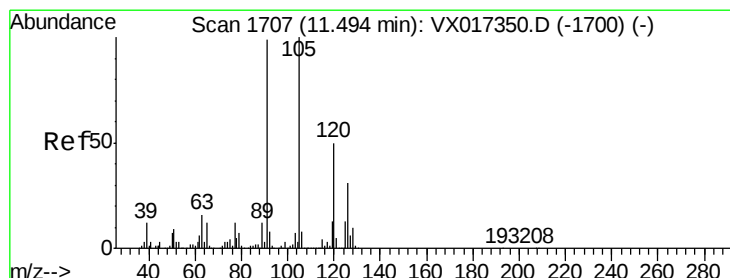
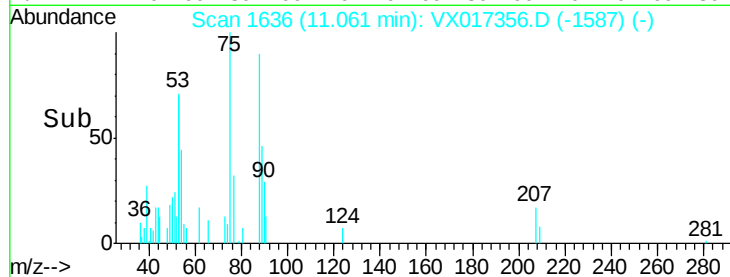
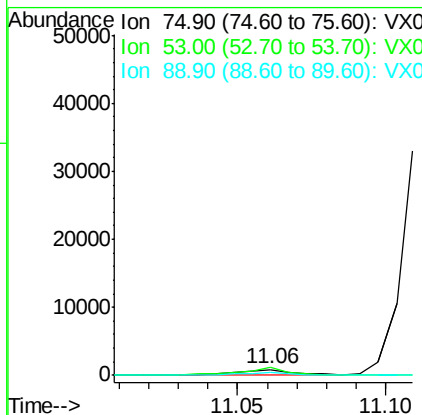
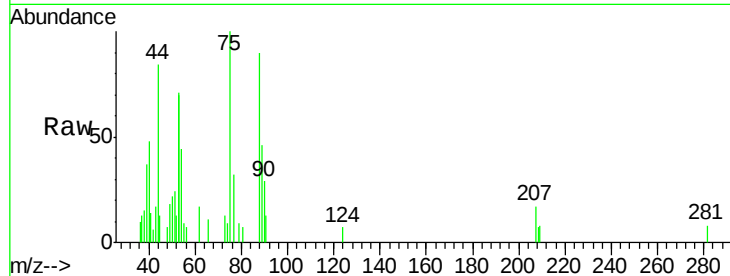
ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion:	75	Resp:	1184
Ion Ratio	Lower	Upper	
75	100		
53	18.3	76.5	114.7#
89	0.0	38.1	57.1#

Manual Integrations
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#82

4-Chlorotoluene

Concen: 0.585 ug/l

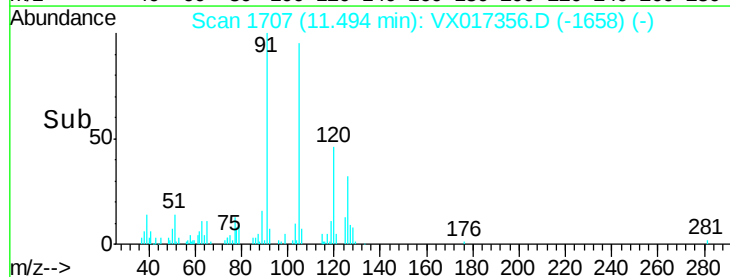
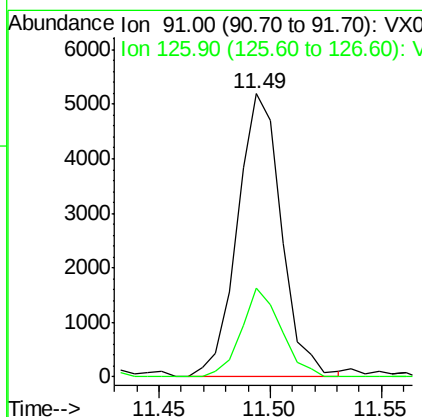
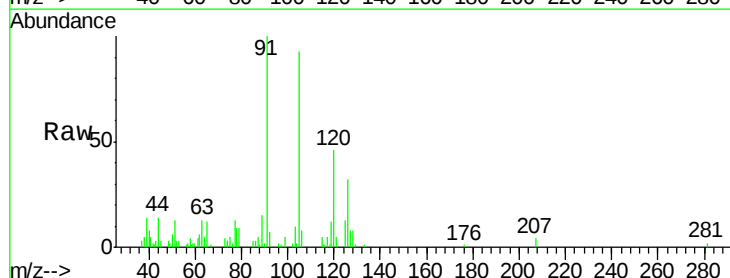
RT: 11.49 min Scan# 1707

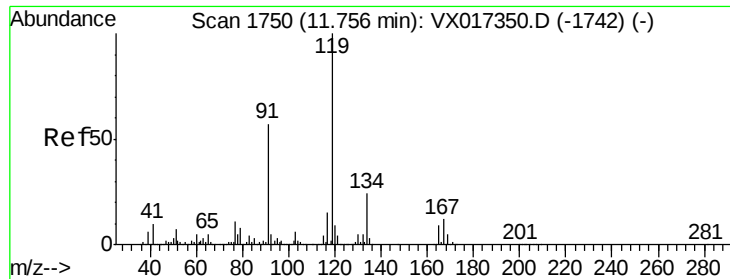
Delta R.T. 0.00 min

Lab File: VX017356.D

Acq: 13 Jul 2020 16:28

Tgt Ion:	91	Resp:	7165
Ion Ratio	Lower	Upper	
91	100		
126	28.5	15.4	46.2





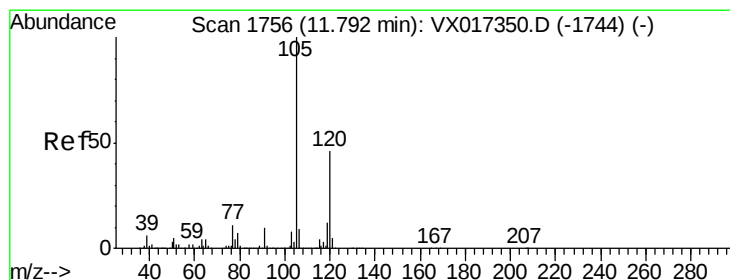
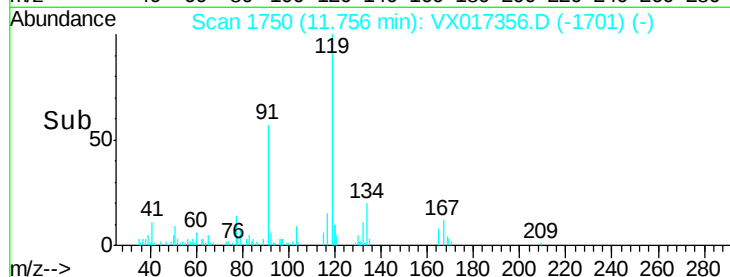
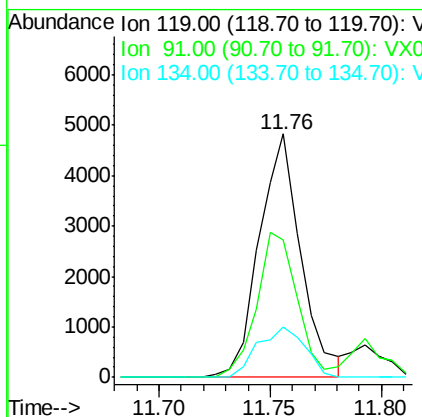
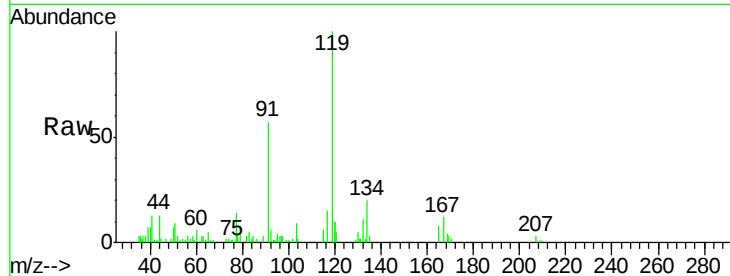
#83
tert-Butylbenzene
Concen: 0.513 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VX017356.D
Acq: 13 Jul 2020 16:28

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.8	28.5	85.6
134	23.3	11.9	35.9

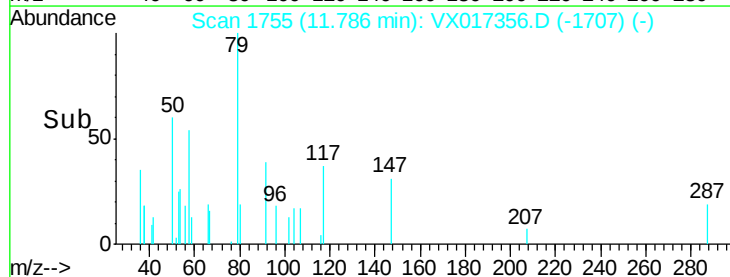
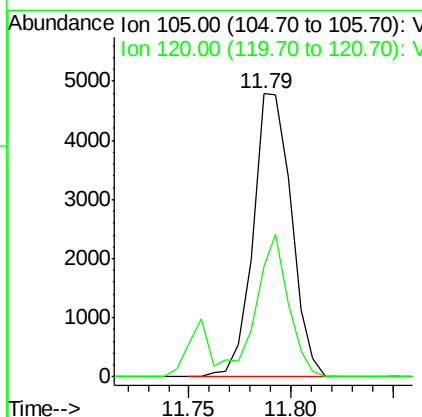
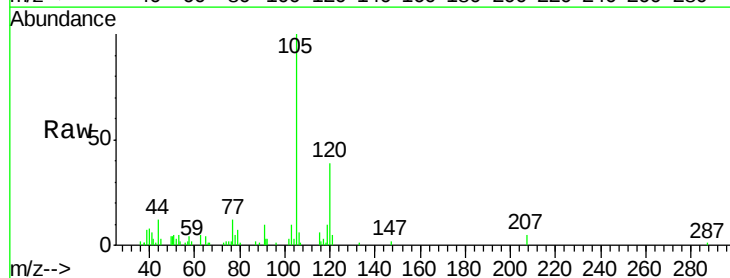
Manual Integrations
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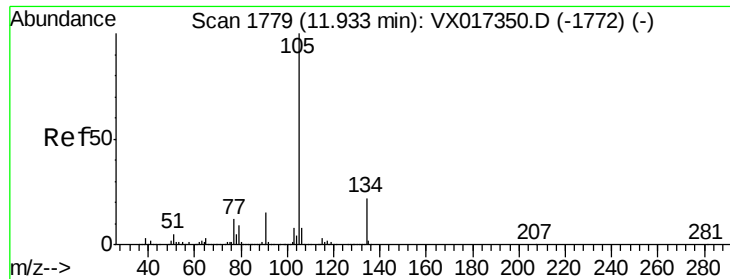
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 0.487 ug/l
RT: 11.79 min Scan# 1755
Delta R.T. -0.01 min
Lab File: VX017356.D
Acq: 13 Jul 2020 16:28

Tgt Ion	Ratio	Lower	Upper
105	100		
120	40.0	22.8	68.4





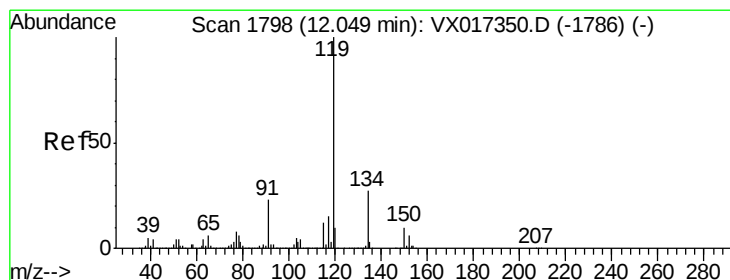
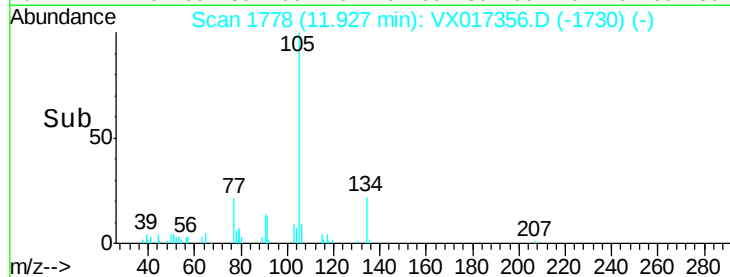
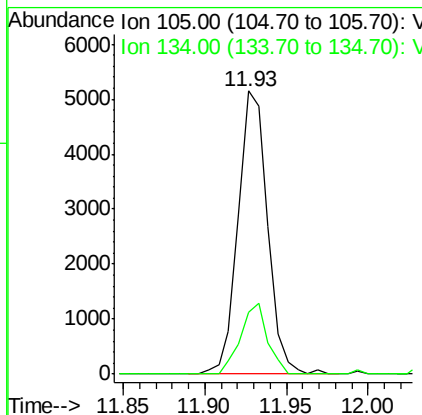
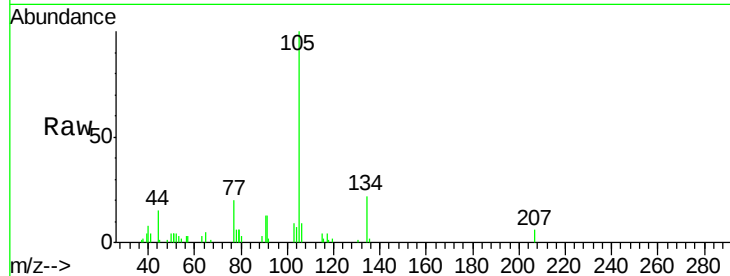
#85
 sec-Butylbenzene
 Concen: 0.452 ug/l
 RT: 11.93 min Scan# 1778
 Delta R.T. -0.01 min
 Lab File: VX017356.D
 Acq: 13 Jul 2020 16:28

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
105	100		
134	22.8	10.5	31.5

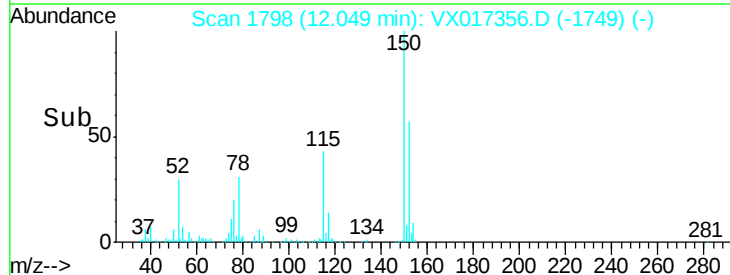
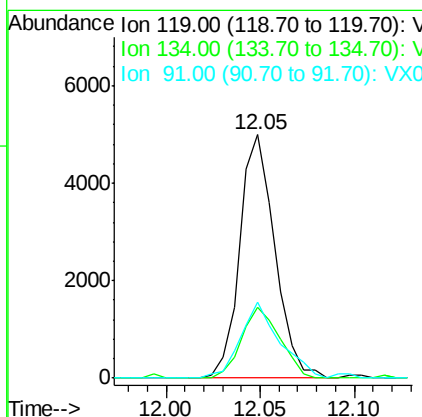
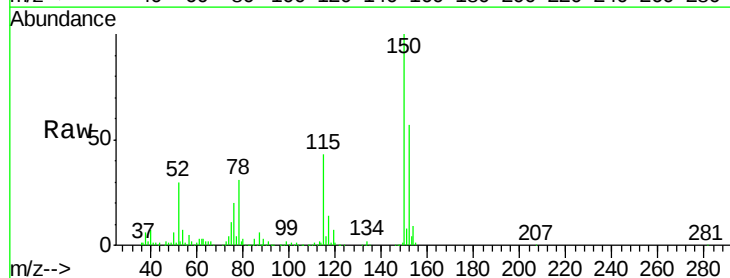
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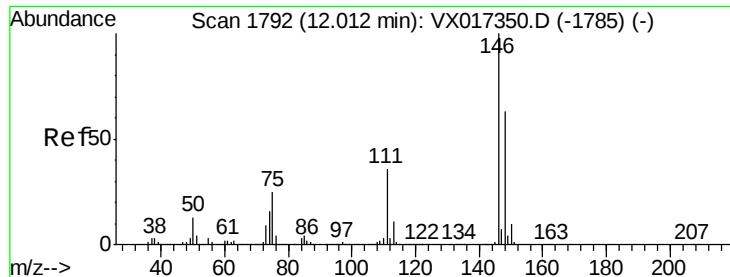
MMDadoda
 7/14/2020 11:36:01 AM



#86
 p-Isopropyltoluene
 Concen: 0.474 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. 0.00 min
 Lab File: VX017356.D
 Acq: 13 Jul 2020 16:28

Tgt Ion	Ratio	Lower	Upper
119	100		
134	31.9	13.5	40.5
91	34.9	11.8	35.3





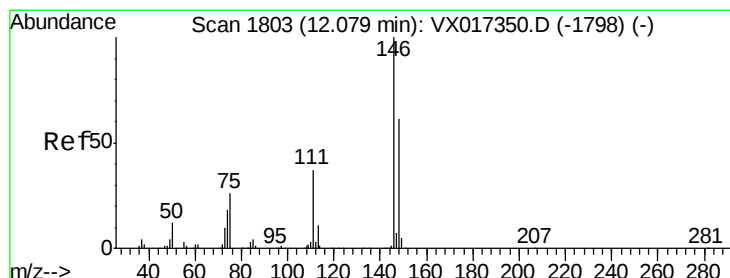
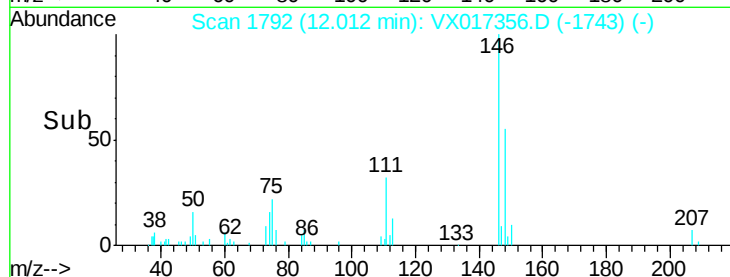
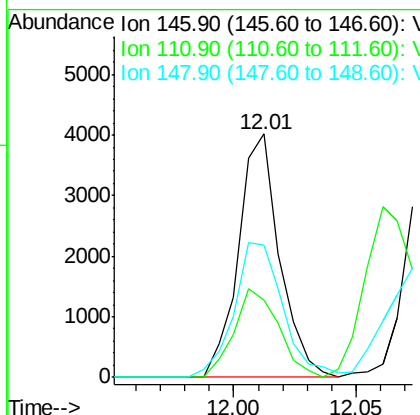
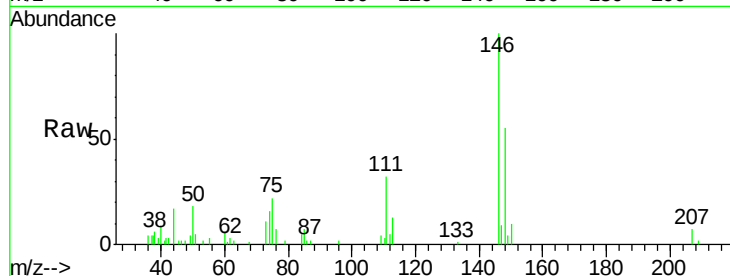
#87
 1,3-Dichlorobenzene
 Concen: 0.616 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX017356.D
 Acq: 13 Jul 2020 16:28

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.2	57.6
148	65.9	31.6	95.0

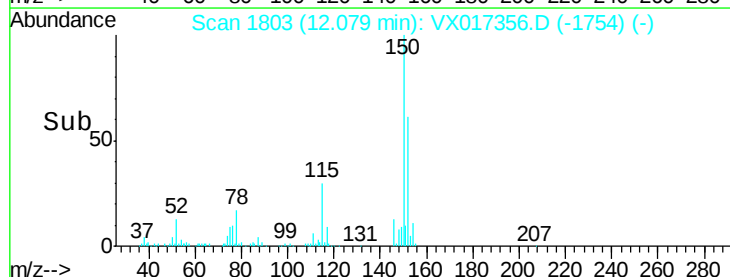
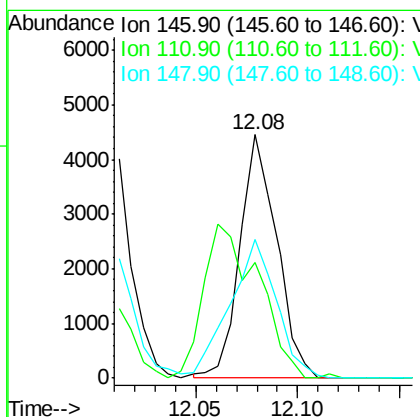
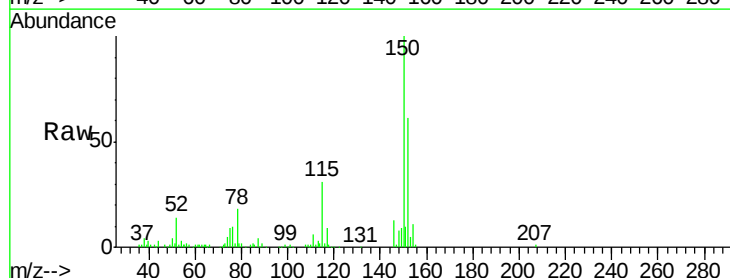
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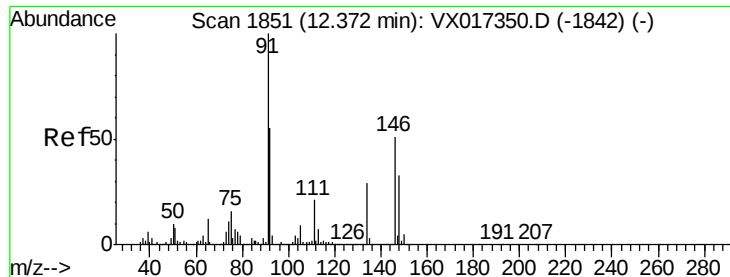
MMDadoda
 7/14/2020 11:36:01 AM



#88
 1,4-Dichlorobenzene
 Concen: 0.722 ug/l m
 RT: 12.08 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VX017356.D
 Acq: 13 Jul 2020 16:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	33.2	18.9	56.9
148	55.7	31.9	95.9





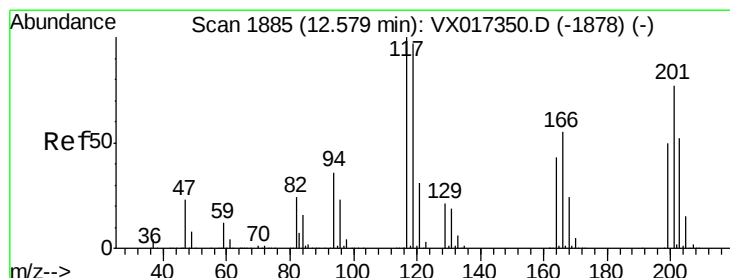
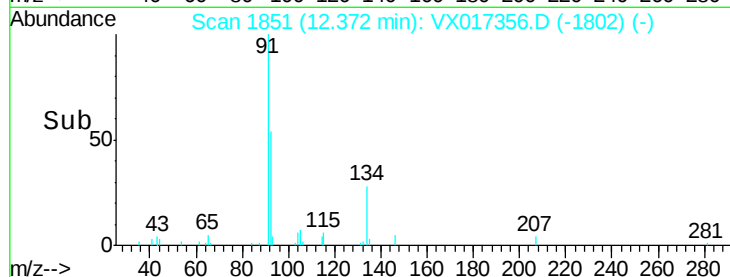
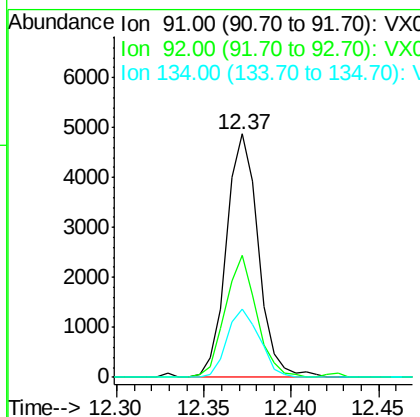
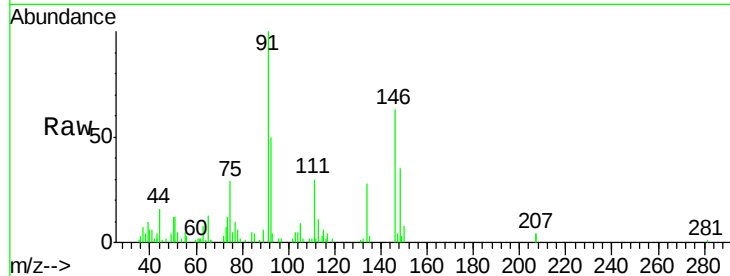
#89
n-Butylbenzene
Concen: 0.537 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX017356.D
Acq: 13 Jul 2020 16:28

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
91	100		
92	49.3	27.0	81.0
134	28.4	14.1	42.2

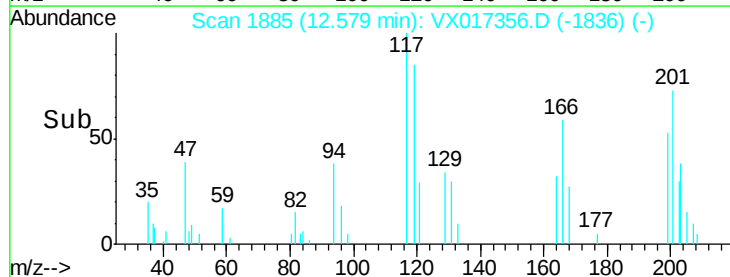
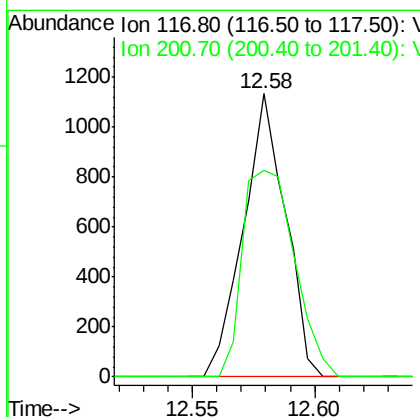
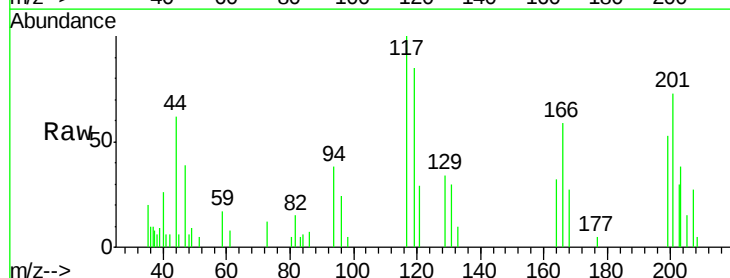
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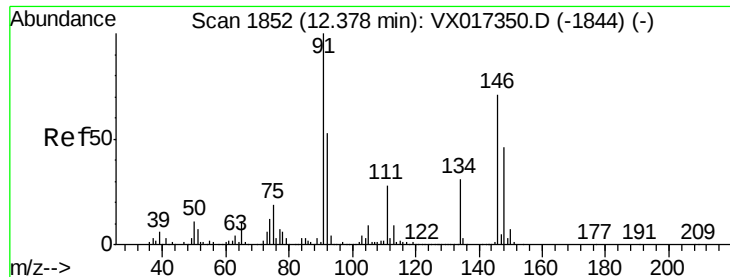
MMDadoda
7/14/2020 11:36:01 AM



#90
Hexachloroethane
Concen: 0.529 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX017356.D
Acq: 13 Jul 2020 16:28

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.9	41.0	123.0





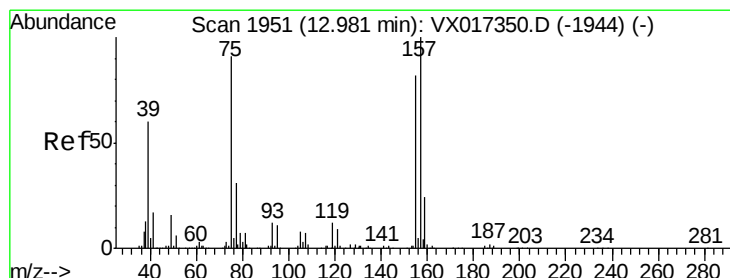
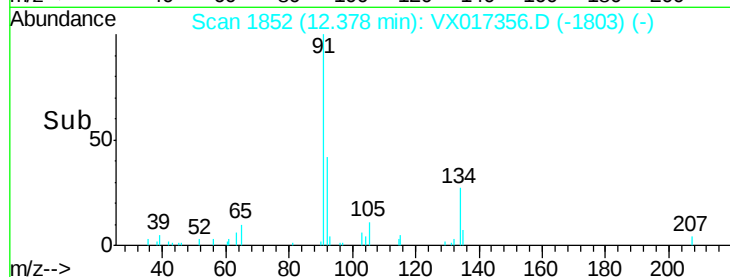
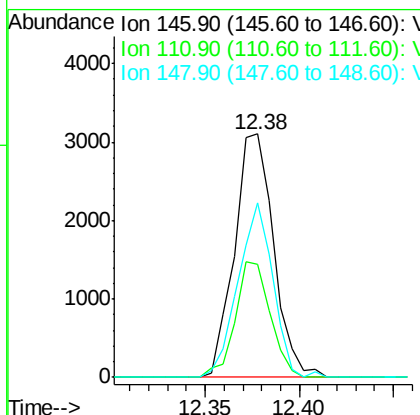
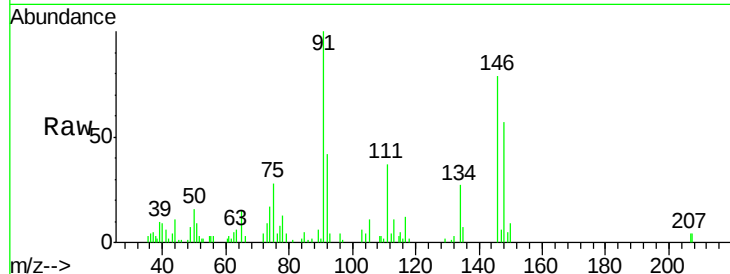
#91
1,2-Dichlorobenzene
Concen: 0.627 ug/l
RT: 12.38 min Scan# 1852
Delta R.T. 0.00 min
Lab File: VX017356.D
Acq: 13 Jul 2020 16:28

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	20.3	61.0
148	63.6	32.0	96.0

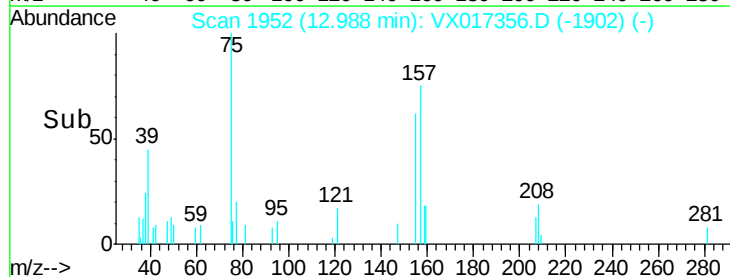
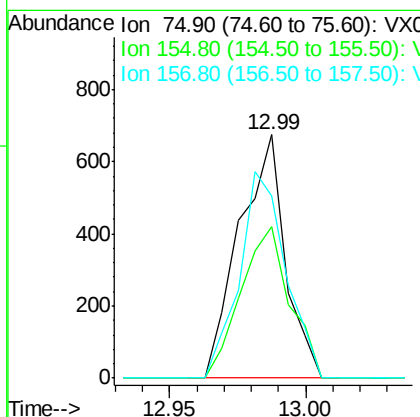
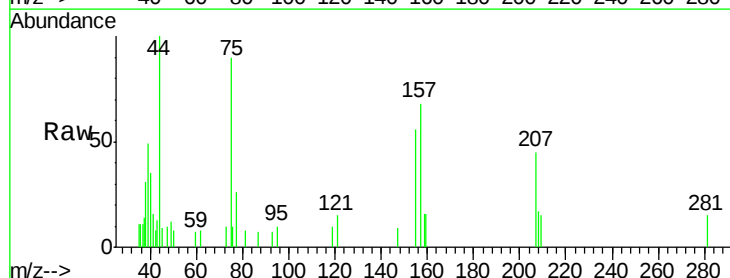
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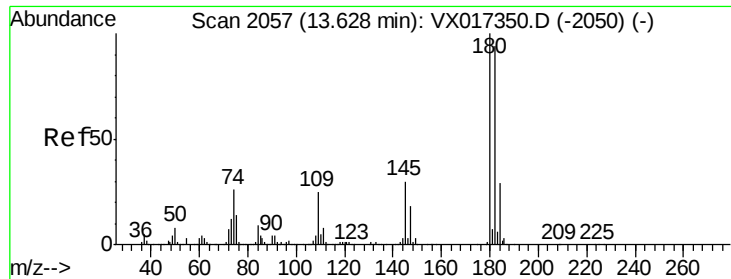
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7/14/2020 11:36:01 AM



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.656 ug/l
RT: 12.99 min Scan# 1952
Delta R.T. 0.01 min
Lab File: VX017356.D
Acq: 13 Jul 2020 16:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	66.5	46.5	139.3
157	85.7	58.0	173.9





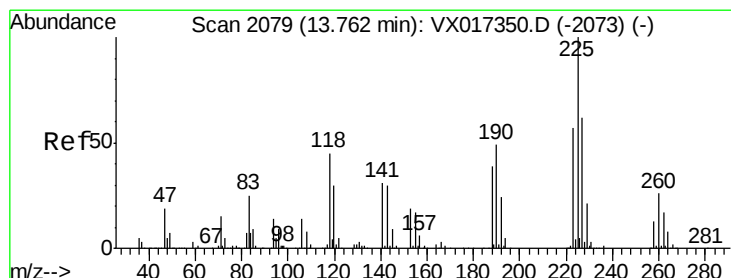
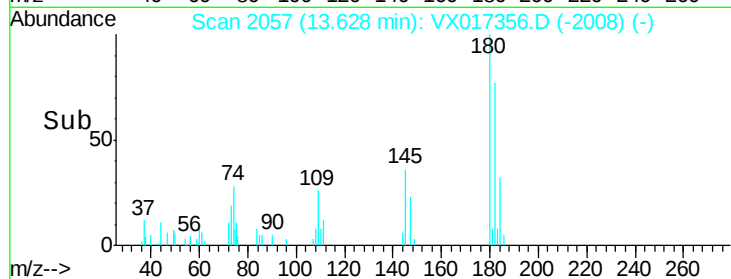
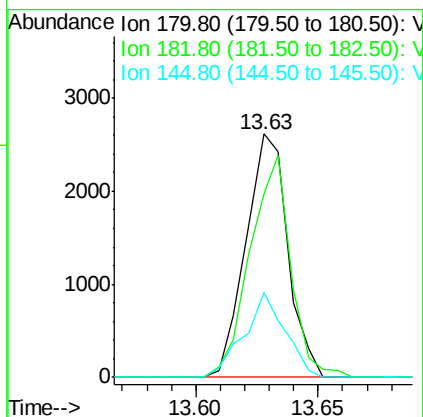
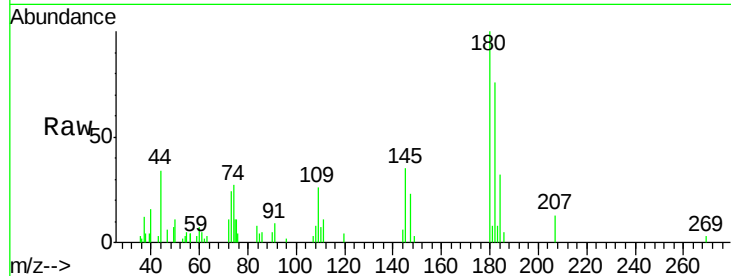
#93
1,2,4-Trichlorobenzene
Concen: 0.629 ug/l
RT: 13.63 min Scan# 2057
Delta R.T. 0.00 min
Lab File: VX017356.D
Acq: 13 Jul 2020 16:28

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	3120		
182	88.2		48.4	145.0
145	34.2		15.3	45.8

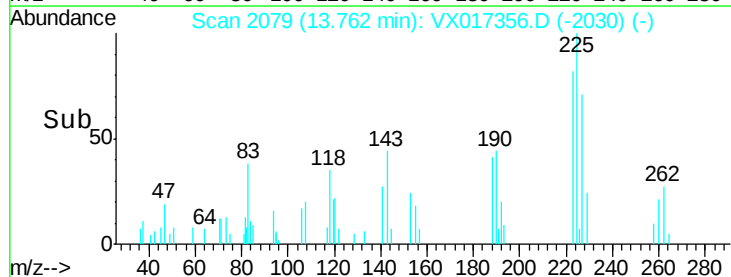
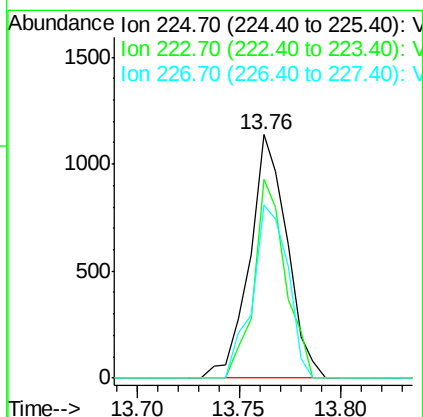
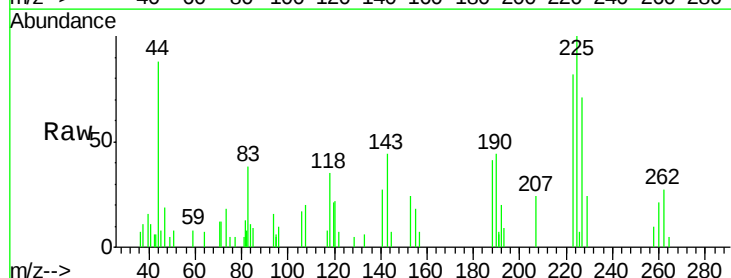
Manual Integrations
APPROVED

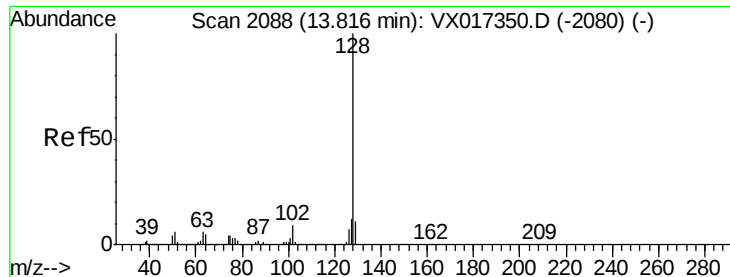
MMDadoda
7/14/2020 11:36:01 AM



#94
Hexachlorobutadiene
Concen: 0.718 ug/l
RT: 13.76 min Scan# 2079
Delta R.T. 0.00 min
Lab File: VX017356.D
Acq: 13 Jul 2020 16:28

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	1453		
223	69.0		31.3	93.8
227	67.2		31.6	95.0





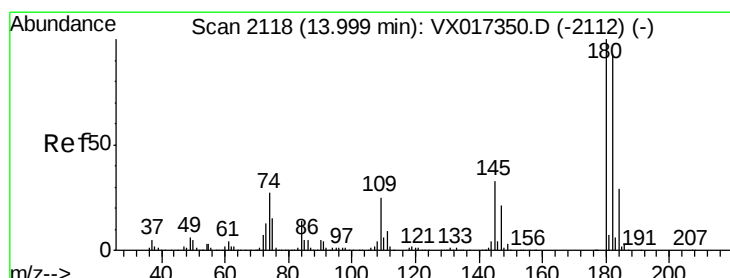
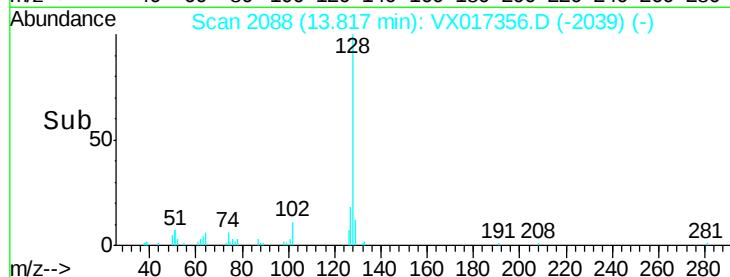
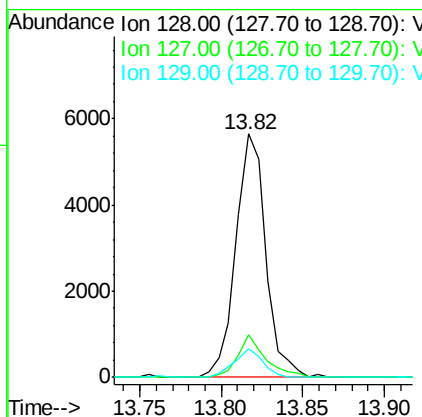
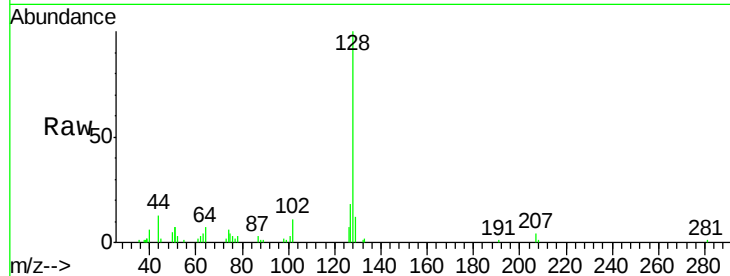
#95
Naphthalene
Concen: 0.496 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX017356.D
Acq: 13 Jul 2020 16:28

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
128	100		
127	15.9	10.2	15.4#
129	11.2	8.9	13.3

Manual Integrations
APPROVED

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7/14/2020 11:36:01 AM



#96
1,2,3-Trichlorobenzene
Concen: 0.601 ug/l
RT: 14.01 min Scan# 2119
Delta R.T. 0.01 min
Lab File: VX017356.D
Acq: 13 Jul 2020 16:28

Tgt Ion	Ratio	Lower	Upper
180	100		
182	88.0	48.8	146.3
145	33.8	16.6	49.7

