

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052820\
 Data File : VN061552.D
 Acq On : 29 May 2020 00:23
 Operator : JC/MD
 Sample : L2182-08 1.00PPB L00
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT2-2020

Manual Integrations
 APPROVED

MMDadoda
 5/29/2020 5:50:33 PM

Quant Time: May 29 07:43:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:45:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	307598	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	550555	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	498059	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	207777	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	197760	53.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.92%	
35) Dibromofluoromethane	7.55	113	150821	54.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.00%	
50) Toluene-d8	10.06	98	613355	47.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.78%	
62) 4-Bromofluorobenzene	12.38	95	205634	43.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.10%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.83	85	2061	0.641	ug/l	92
3) Chloromethane	2.03	50	3354	0.894	ug/l #	81
4) Vinyl Chloride	2.16	62	4255	0.828	ug/l	93
6) Chloroethane	2.67	64	3133	0.947	ug/l #	81
7) Trichlorofluoromethane	2.98	101	5156	0.778	ug/l	93
8) Diethyl Ether	3.37	74	1906	0.940	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	2526	0.859	ug/l	93
12) 1,1-Dichloroethene	3.70	96	3025	0.962	ug/l	86
14) Allyl chloride	4.28	41	4093	0.996	ug/l #	68
15) Acrylonitrile	4.93	53	6062	4.455	ug/l #	71
16) Acetone	3.78	43	6948	5.360	ug/l	92
17) Carbon Disulfide	4.00	76	7291	1.054	ug/l	99
18) Methyl Acetate	4.27	43	2879	0.868	ug/l #	74
19) Methyl tert-butyl Ether	5.00	73	9701	0.906	ug/l #	81
20) Methylene Chloride	4.51	84	3587	0.798	ug/l	95
21) trans-1,2-Dichloroethene	4.98	96	3521	0.993	ug/l #	80
22) Diisopropyl ether	5.90	45	8091m	0.893	ug/l	
23) Vinyl Acetate	5.85	43	29239	4.051	ug/l	97
24) 1,1-Dichloroethane	5.80	63	5226	0.910	ug/l #	81
25) 2-Butanone	6.79	43	7486	4.310	ug/l	95
26) 2,2-Dichloropropane	6.77	77	4229	0.805	ug/l #	63
27) cis-1,2-Dichloroethene	6.78	96	3913	0.975	ug/l	92
28) Bromochloromethane	7.15	49	948	0.383	ug/l #	39
29) Tetrahydrofuran	7.17	42	5192	4.533	ug/l	94
30) Chloroform	7.33	83	5447	0.857	ug/l #	74
32) 1,1,1-Trichloroethane	7.53	97	4581	0.791	ug/l #	48
36) 1,1-Dichloropropene	7.75	75	4189	0.859	ug/l	96
37) Ethyl Acetate	6.89	43	3658	0.932	ug/l #	78
38) Carbon Tetrachloride	7.73	117	3232	0.687	ug/l #	82
39) Methylcyclohexane	9.04	83	5016	0.835	ug/l #	85
40) Benzene	8.00	78	12765	0.849	ug/l	98
41) Methacrylonitrile	7.13	41	1685	0.937	ug/l #	60
42) 1,2-Dichloroethane	8.09	62	4960	0.985	ug/l	83
43) Isopropyl Acetate	8.13	43	5783	0.819	ug/l #	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Trichloroethene	8.80	130	3768	0.815	ug/l	95
45) 1,2-Dichloropropane	9.09	63	3048	0.854	ug/l	89
46) Dibromomethane	9.18	93	2306	0.842	ug/l #	65
47) Bromodichloromethane	9.37	83	4164	0.767	ug/l #	89
48) Methyl methacrylate	9.17	41	2690	0.847	ug/l	93
49) 1,4-Dioxane	9.17	88	973	19.766	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	15405	3.871	ug/l	97
52) Toluene	10.13	92	7831	0.798	ug/l	98
53) t-1,3-Dichloropropene	10.36	75	4235	0.725	ug/l #	82
54) cis-1,3-Dichloropropene	9.81	75	4571	0.727	ug/l	90
55) 1,1,2-Trichloroethane	10.54	97	2839	0.726	ug/l	96
56) Ethyl methacrylate	10.40	69	3676	0.673	ug/l #	88
57) 1,3-Dichloropropane	10.68	76	4945	0.791	ug/l #	88
58) 2-Chloroethyl Vinyl ether	9.67	63	8697	3.726	ug/l	99
59) 2-Hexanone	10.72	43	10489	3.670	ug/l	95
60) Dibromochloromethane	10.87	129	2995	0.674	ug/l	99
61) 1,2-Dibromoethane	10.98	107	3156	0.774	ug/l	97
64) Tetrachloroethene	10.60	164	3938	0.840	ug/l	95
65) Chlorobenzene	11.41	112	8672	0.838	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.49	131	2728	0.708	ug/l #	59
67) Ethyl Benzene	11.49	91	14706	0.822	ug/l	99
68) m/p-Xylenes	11.60	106	11463	1.616	ug/l	98
69) o-Xylene	11.92	106	5433	0.806	ug/l	92
70) Styrene	11.94	104	7635	0.684	ug/l	92
71) Bromoform	12.10	173	1656	0.557	ug/l #	87
73) Isopropylbenzene	12.22	105	14075	0.928	ug/l	99
74) N-amyl acetate	12.05	43	3371	0.706	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	3864	0.909	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	4044m	1.070	ug/l	
77) Bromobenzene	12.50	156	3392	0.876	ug/l	80
78) n-propylbenzene	12.57	91	15271	0.902	ug/l	96
79) 2-Chlorotoluene	12.65	91	9813	0.972	ug/l	97
80) 1,3,5-Trimethylbenzene	12.71	105	11256	0.888	ug/l	97
82) 4-Chlorotoluene	12.75	91	10096	0.951	ug/l	95
83) tert-Butylbenzene	12.97	119	10010	0.894	ug/l	93
84) 1,2,4-Trimethylbenzene	13.01	105	10752	0.854	ug/l	98
85) sec-Butylbenzene	13.15	105	13061	0.905	ug/l	94
86) p-Isopropyltoluene	13.26	119	10826	0.815	ug/l	96
87) 1,3-Dichlorobenzene	13.26	146	6106	0.891	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	6634m	0.950	ug/l	
89) n-Butylbenzene	13.59	91	9075	0.815	ug/l	98
90) Hexachloroethane	13.85	117	1028	0.699	ug/l	71
91) 1,2-Dichlorobenzene	13.63	146	6019	0.919	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	650	0.750	ug/l	84
93) 1,2,4-Trichlorobenzene	14.89	180	2817	0.735	ug/l	89
94) Hexachlorobutadiene	14.99	225	1344	0.823	ug/l	90
95) Naphthalene	15.11	128	9324	0.800	ug/l	98
96) 1,2,3-Trichlorobenzene	15.29	180	3176	0.843	ug/l	96

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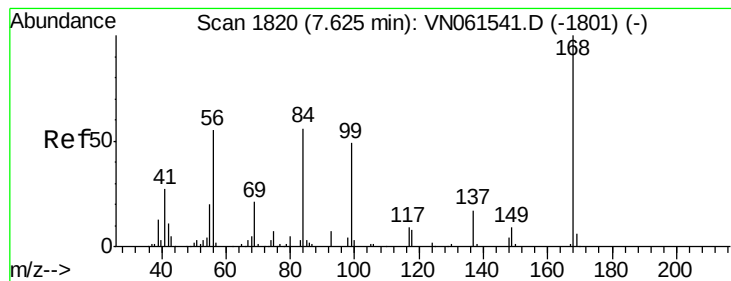
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN061552.D

Acq: 29 May 2020 00:23

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion:168 Resp: 307598

Ion Ratio Lower Upper

168 100

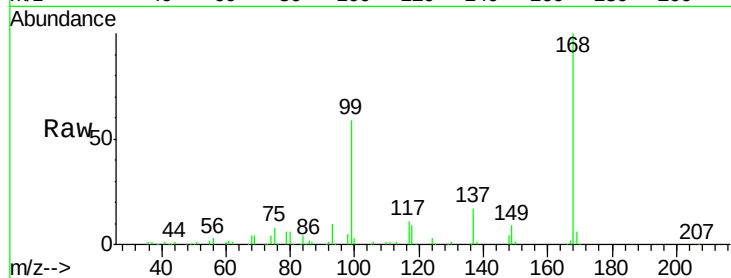
99 59.1 45.0 67.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

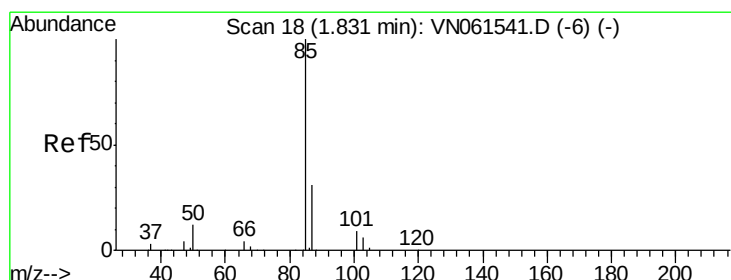
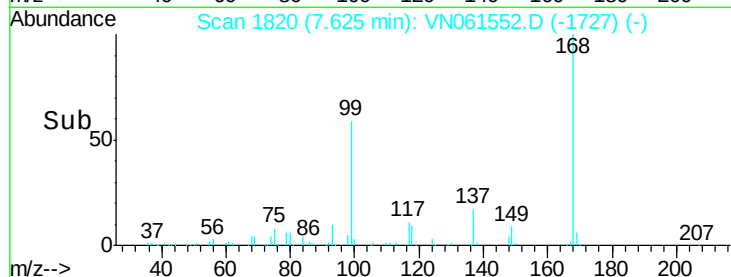
150000

100000

50000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 0.641 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061552.D

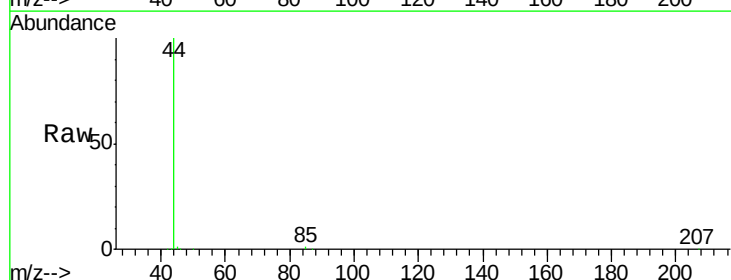
Acq: 29 May 2020 00:23

Tgt Ion: 85 Resp: 2061

Ion Ratio Lower Upper

85 100

87 35.4 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

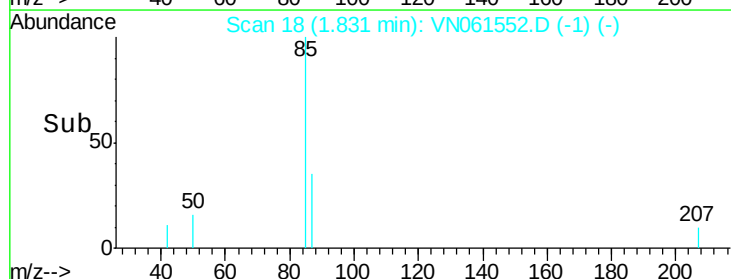
1500

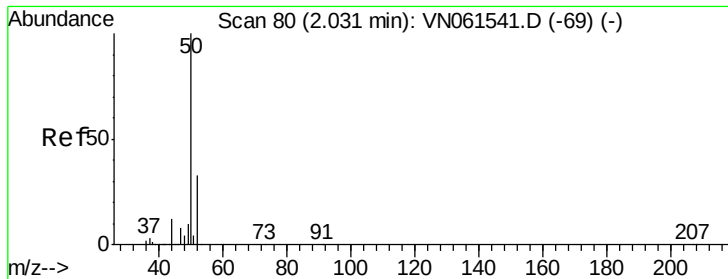
1000

500

0

Time--> 1.80 1.82 1.84 1.86





#3

Chloromethane

Concen: 0.894 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN061552.D

Acq: 29 May 2020 00:23

Instrument :

MSVOA_N

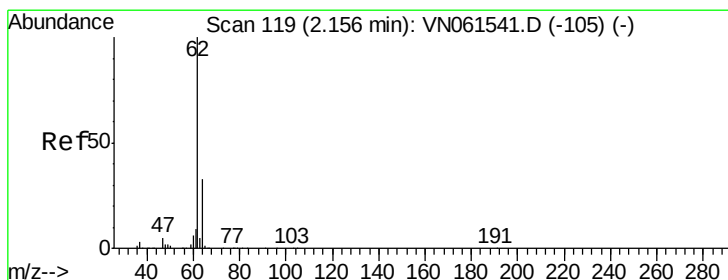
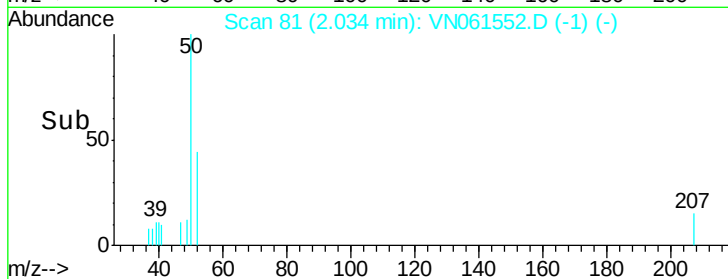
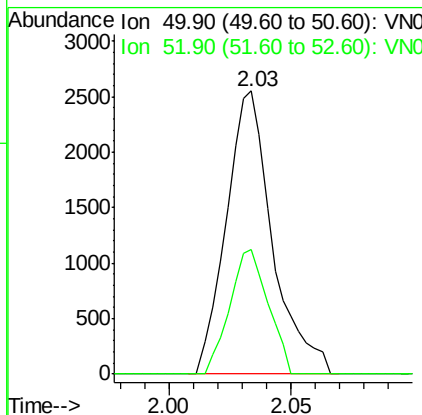
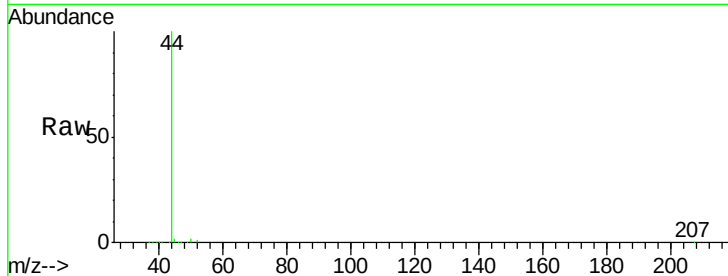
ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion	Ratio	Lower	Upper
50	100		
52	44.1	26.7	40.1#

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#4

Vinyl Chloride

Concen: 0.828 ug/l

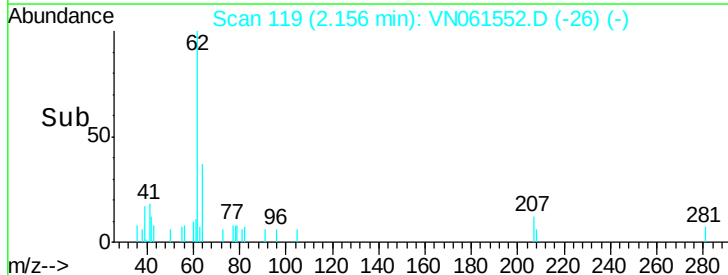
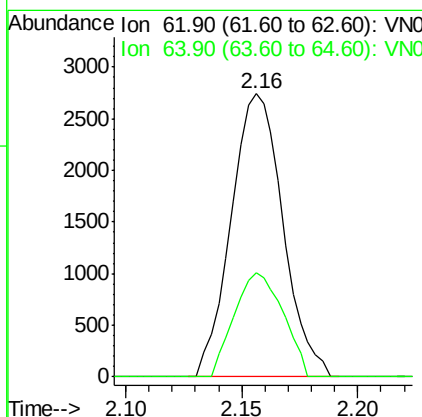
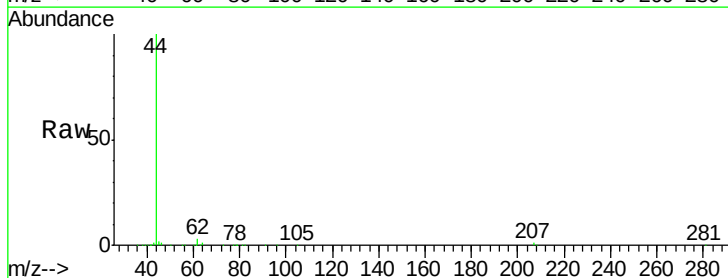
RT: 2.16 min Scan# 119

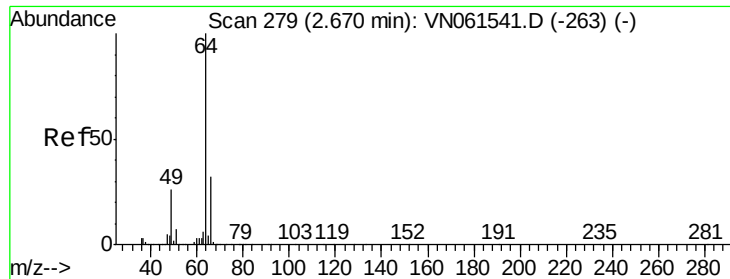
Delta R.T. 0.00 min

Lab File: VN061552.D

Acq: 29 May 2020 00:23

Tgt Ion	Ratio	Lower	Upper
62	100		
64	36.8	26.2	39.2





#6

Chloroethane

Concen: 0.947 ug/l

RT: 2.67 min Scan# 280

Delta R.T. 0.00 min

Lab File: VN061552.D

Acq: 29 May 2020 00:23

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion: 64 Resp: 3133

Ion Ratio Lower Upper

64 100

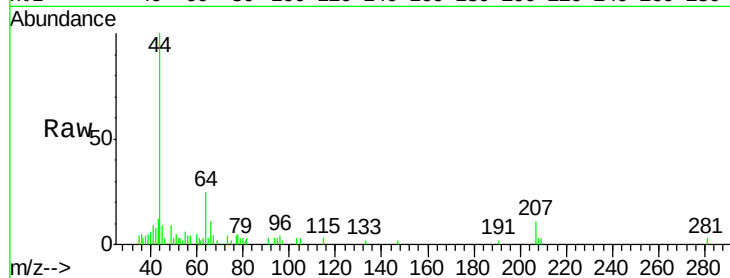
66 42.6 25.6 38.4#

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Abundance Ion 63.90 (63.60 to 64.60): VN061552.D (-186) (-)

Ion 65.90 (65.60 to 66.60): VN061552.D (-186) (-)

2000

1500

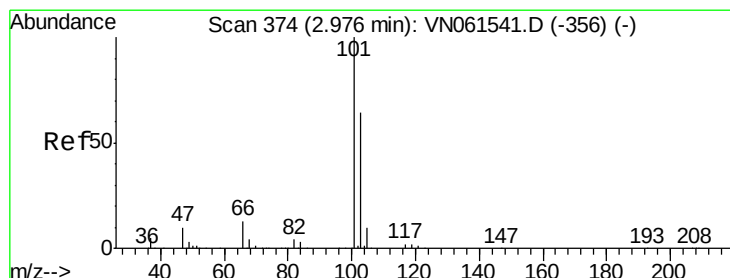
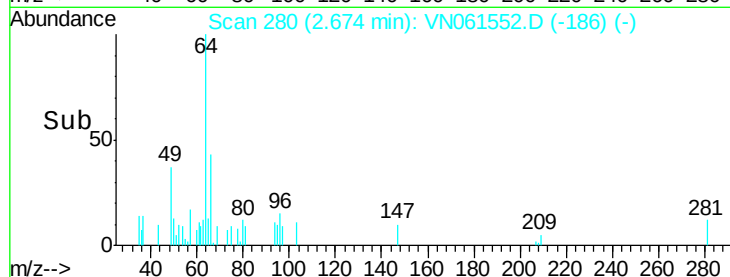
1000

500

0

2.65 2.70

Time-->



#7

Trichlorofluoromethane

Concen: 0.778 ug/l

RT: 2.98 min Scan# 375

Delta R.T. 0.00 min

Lab File: VN061552.D

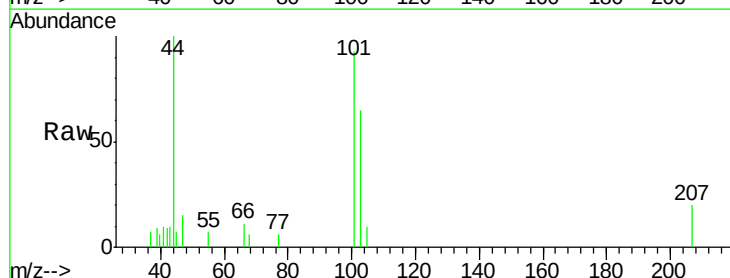
Acq: 29 May 2020 00:23

Tgt Ion: 101 Resp: 5156

Ion Ratio Lower Upper

101 100

103 69.6 51.4 77.2



Abundance Ion 100.90 (100.60 to 101.60): VN061552.D (-281) (-)

Ion 102.80 (102.50 to 103.50): VN061552.D (-281) (-)

2500

2000

1500

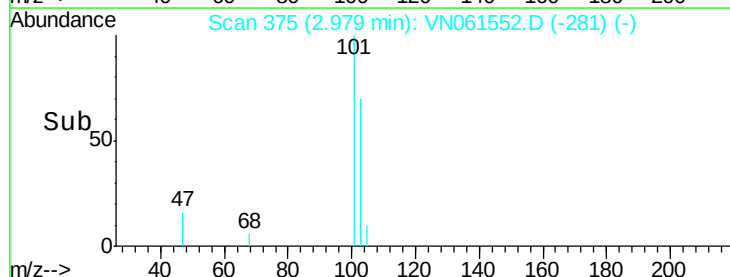
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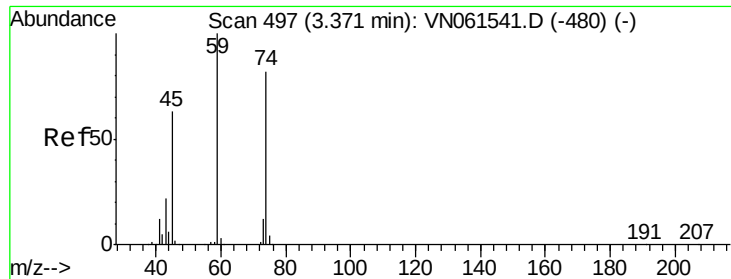
500

0

2.95 3.00

Time-->





#8

Diethyl Ether

Concen: 0.940 ug/l

RT: 3.37 min Scan# 497

Delta R.T. 0.00 min

Lab File: VN061552.D

Acq: 29 May 2020 00:23

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion: 74 Resp: 1906

Ion Ratio Lower Upper

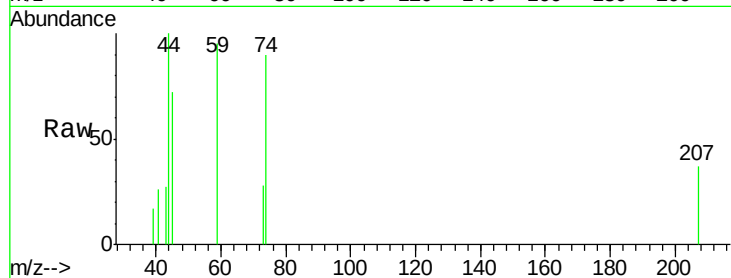
74 100

45 77.5 39.9 119.7

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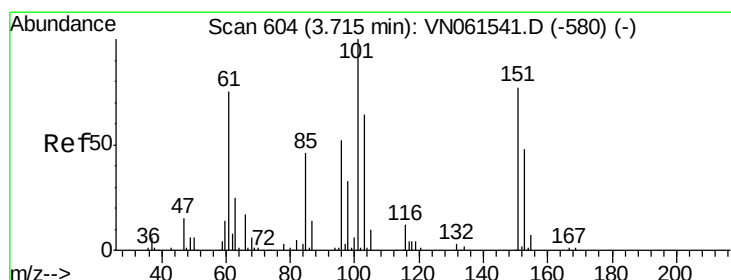
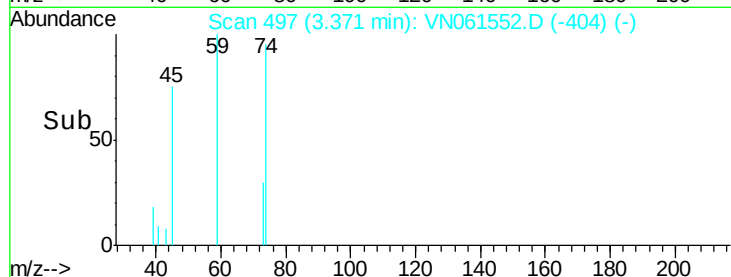


Abundance Ion 74.00 (73.70 to 74.70): VN061541.D (-480) (-)

Ion 45.00 (44.70 to 45.70): VN061541.D (-480) (-)

3.37

Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.859 ug/l

RT: 3.73 min Scan# 607

Delta R.T. 0.01 min

Lab File: VN061552.D

Acq: 29 May 2020 00:23

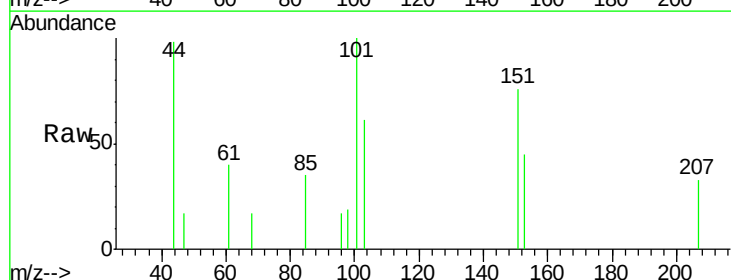
Tgt Ion: 101 Resp: 2526

Ion Ratio Lower Upper

101 100

85 38.2 35.2 52.8

151 81.3 61.0 91.6



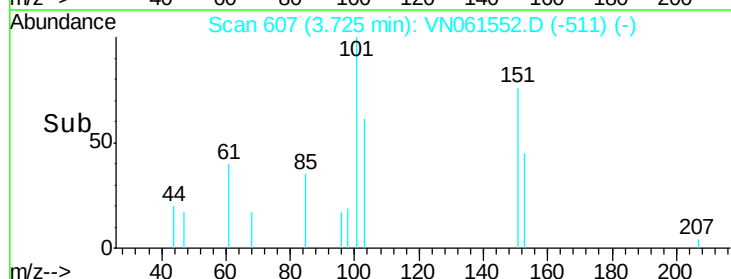
Abundance Ion 100.90 (100.60 to 101.60): VN061541.D (-580) (-)

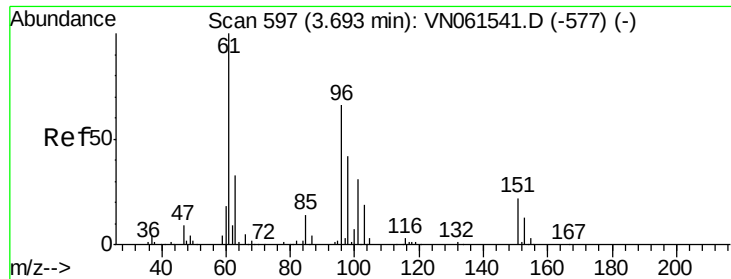
Ion 84.90 (84.60 to 85.60): VN061541.D (-580) (-)

Ion 150.80 (150.50 to 151.50): VN061541.D (-580) (-)

3.73

Time-->





#12

1,1-Dichloroethene

Concen: 0.962 ug/l

RT: 3.70 min Scan# 598

Delta R.T. 0.00 min

Lab File: VN061552.D

Acq: 29 May 2020 00:23

Instrument :

MSVOA_N

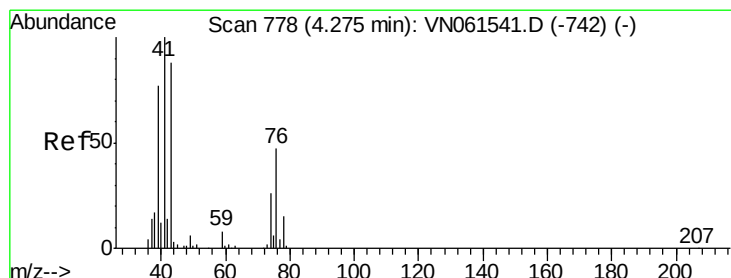
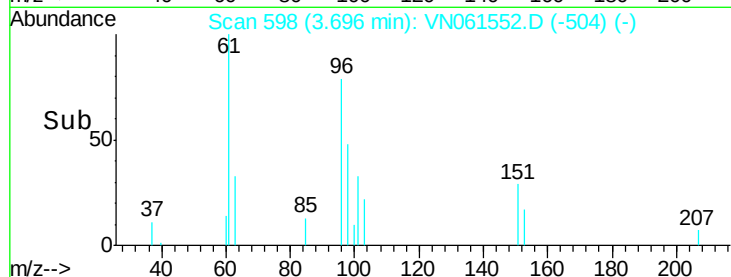
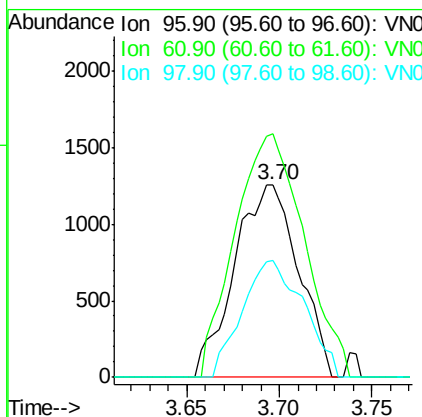
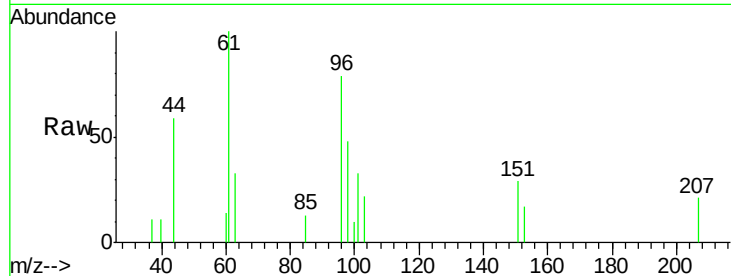
ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion:	96	Resp:	3025
Ion	Ratio	Lower	Upper
96	100		
61	126.4	120.5	180.7
98	60.9	50.8	76.2

Manual Integrations
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#14

Allyl chloride

Concen: 0.996 ug/l

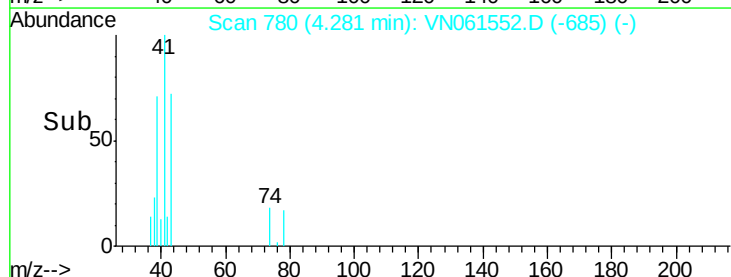
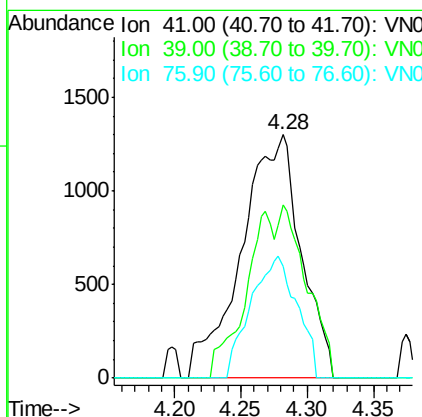
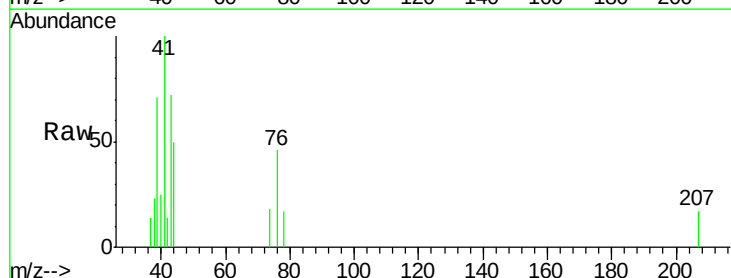
RT: 4.28 min Scan# 780

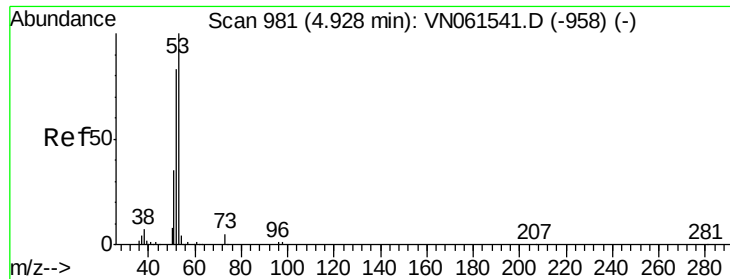
Delta R.T. 0.01 min

Lab File: VN061552.D

Acq: 29 May 2020 00:23

Tgt Ion:	41	Resp:	4093
Ion	Ratio	Lower	Upper
41	100		
39	33.4	58.6	88.0#
76	38.5	34.2	51.4





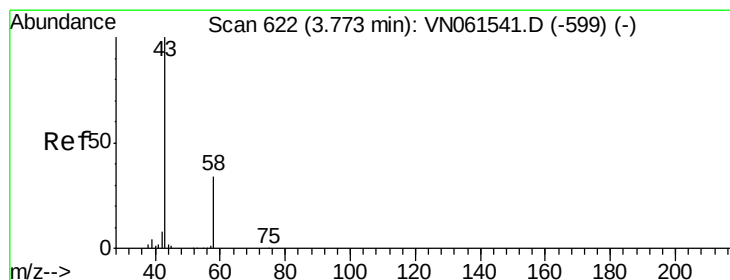
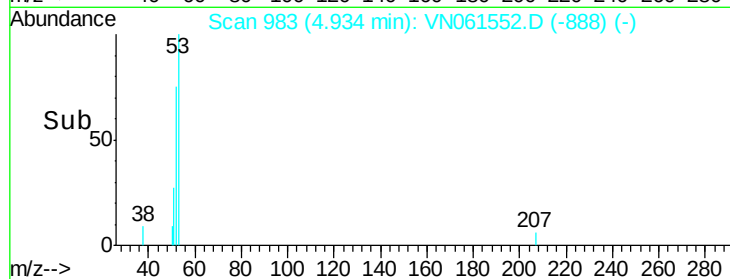
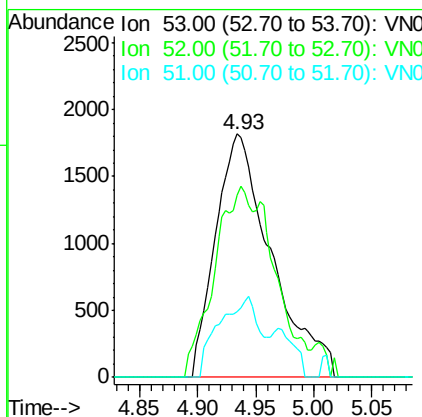
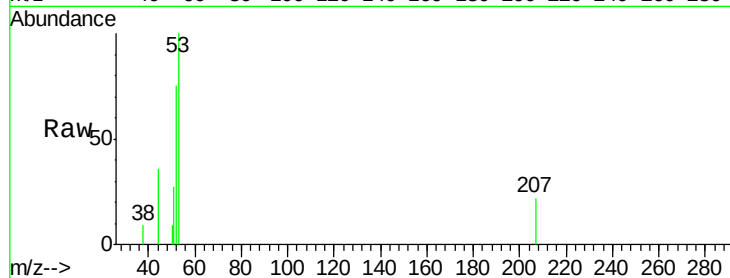
#15
 Acrylonitrile
 Concen: 4.455 ug/l
 RT: 4.93 min Scan# 983
 Delta R.T. 0.01 min
 Lab File: VN061552.D
 Acq: 29 May 2020 00:23

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT2-2020

Tot Ion	Ratio	Lower	Upper
53	100		
52	51.6	65.4	98.2#
51	24.8	29.0	43.6#

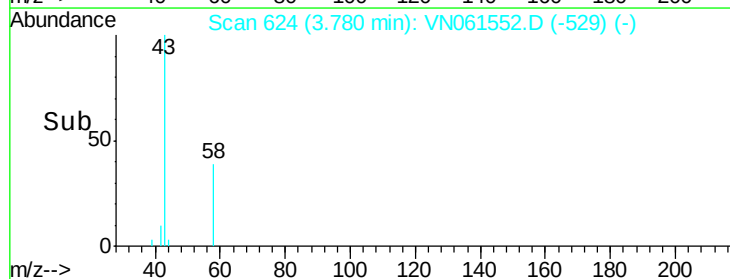
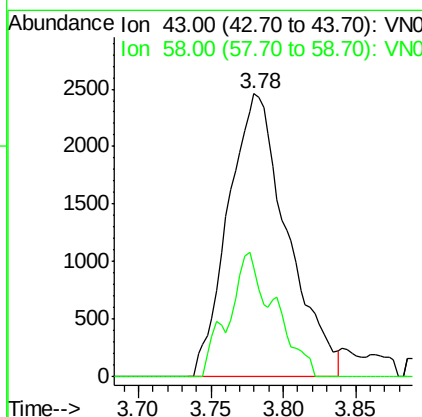
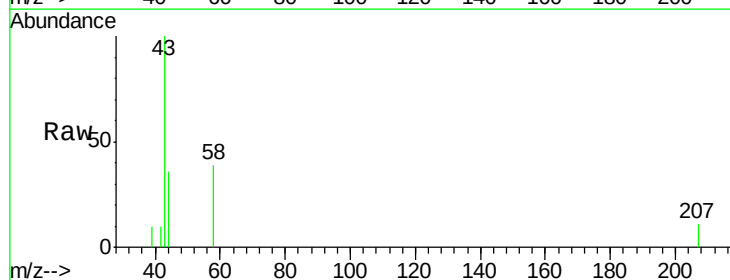
Manual Integrations
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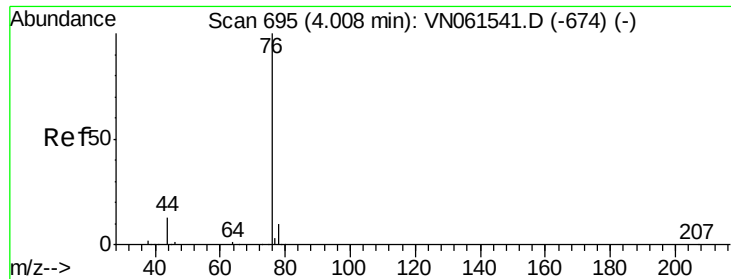
MMDadoda
 5/29/2020 5:50:33 PM



#16
 Acetone
 Concen: 5.360 ug/l
 RT: 3.78 min Scan# 624
 Delta R.T. 0.01 min
 Lab File: VN061552.D
 Acq: 29 May 2020 00:23

Tgt Ion	Ratio	Lower	Upper
43	100		
58	38.6	27.2	40.8





#17

Carbon Disulfide

Concen: 1.054 ug/l

RT: 4.00 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN061552.D

Acq: 29 May 2020 00:23

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion: 76 Resp: 7291

Ion Ratio Lower Upper

76 100

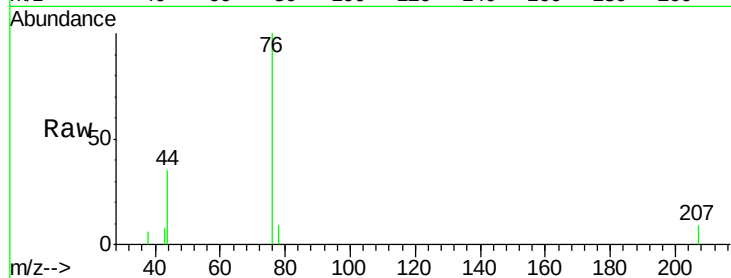
78 9.5 7.8 11.6

Manual Integrations

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MMDadoda

5/29/2020 5:50:33 PM



Abundance Ion 75.90 (75.60 to 76.60): VN061541.D (-674) (-)

Ion 77.90 (77.60 to 78.60): VN061541.D (-674) (-)

4.00

2500

2000

1500

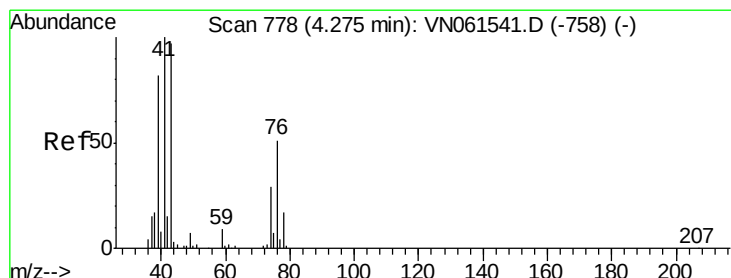
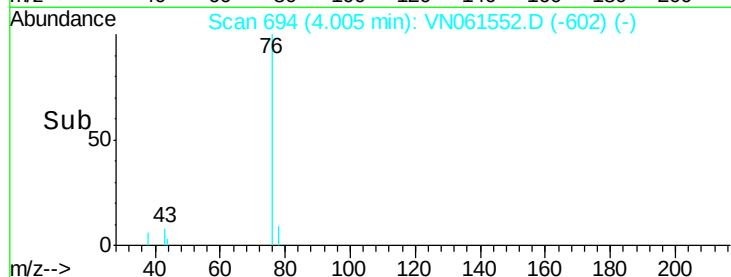
1000

500

0

3.95 4.00 4.05

Time-->



#18

Methyl Acetate

Concen: 0.868 ug/l

RT: 4.27 min Scan# 778

Delta R.T. 0.00 min

Lab File: VN061552.D

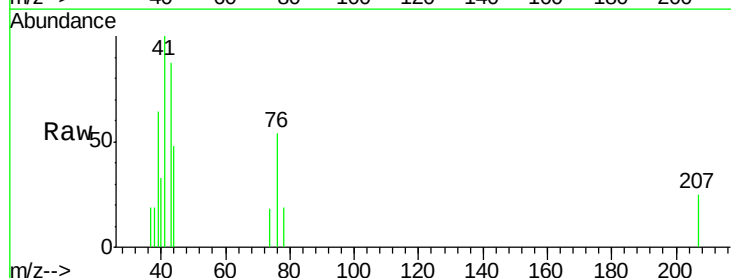
Acq: 29 May 2020 00:23

Tgt Ion: 43 Resp: 2879

Ion Ratio Lower Upper

43 100

74 14.9 23.2 34.8#



Abundance Ion 43.00 (42.70 to 43.70): VN061541.D (-758) (-)

Ion 74.00 (73.70 to 74.70): VN061541.D (-758) (-)

4.27

1200

1000

800

600

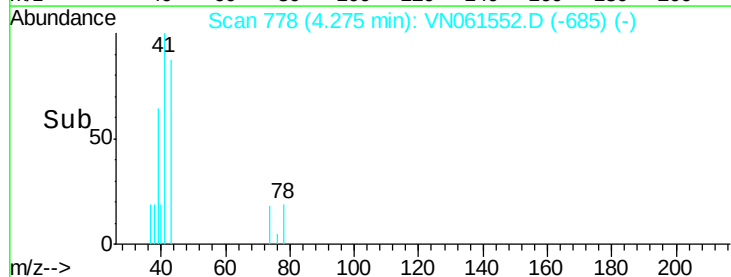
400

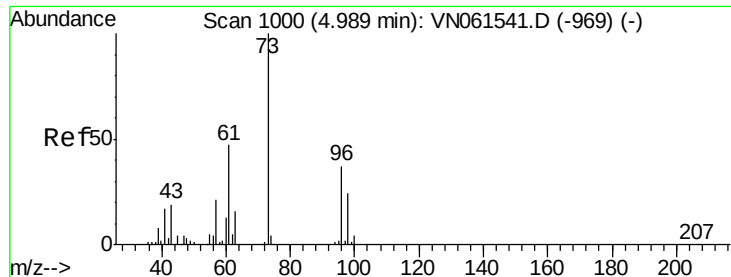
200

0

4.20 4.25 4.30 4.35

Time-->





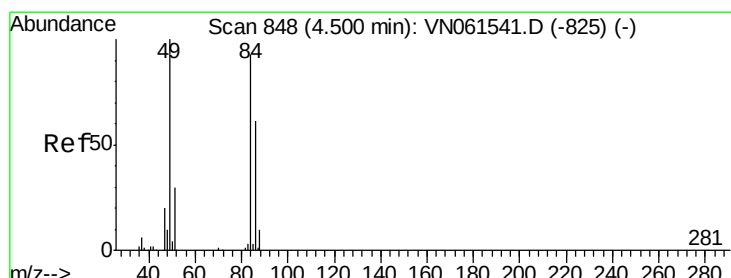
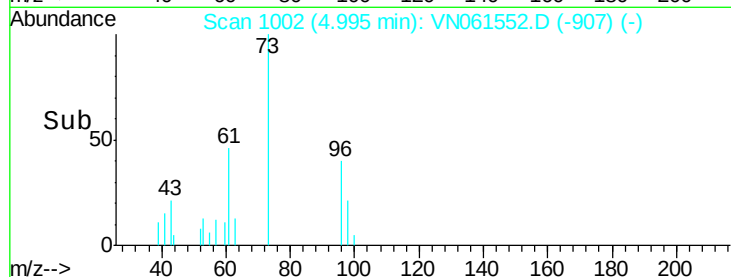
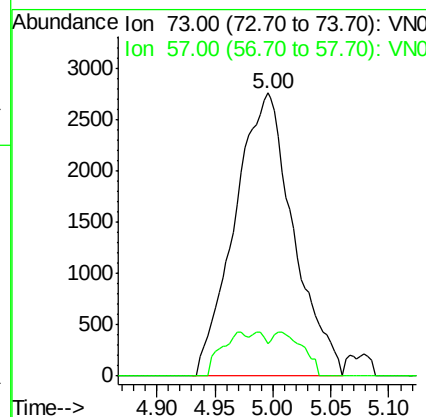
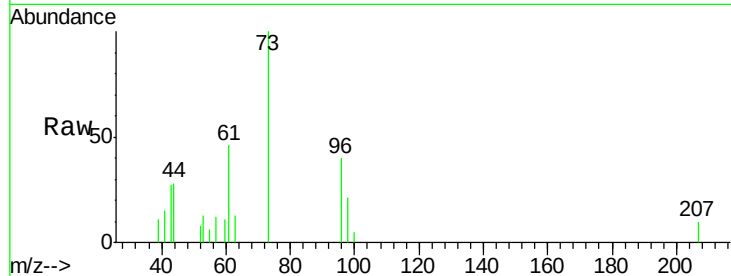
#19
Methyl tert-butyl Ether
Concen: 0.906 ug/l
RT: 5.00 min Scan# 1002
Delta R.T. 0.01 min
Lab File: VN061552.D
Acq: 29 May 2020 00:23

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2020

Tot Ion: 73 Resp: 9701
Ion Ratio Lower Upper
73 100
57 11.6 16.4 24.6#

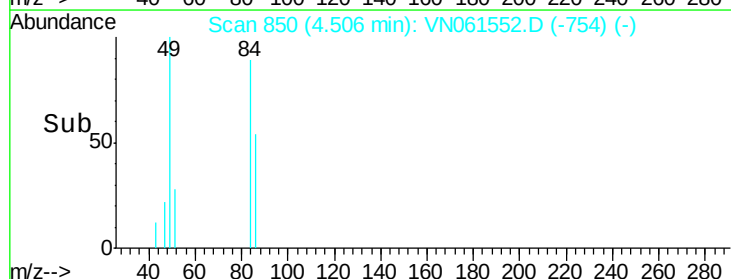
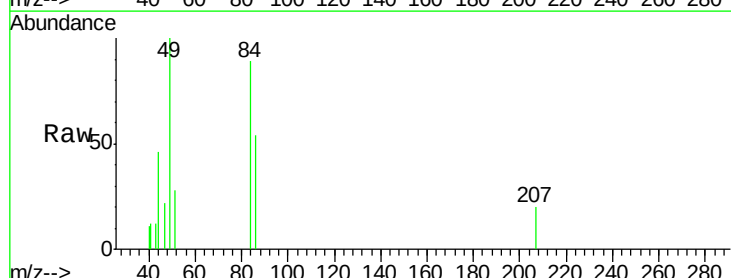
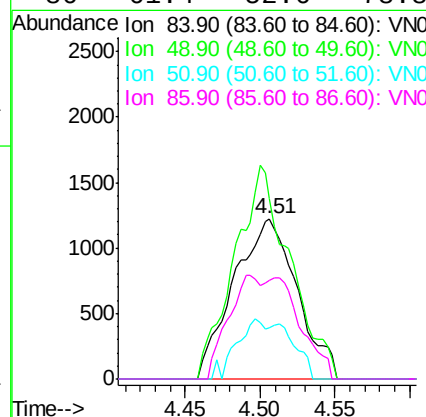
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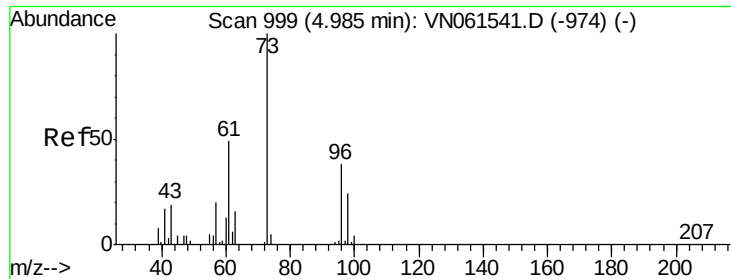
MMDadoda
5/29/2020 5:50:33 PM



#20
Methylene Chloride
Concen: 0.798 ug/l
RT: 4.51 min Scan# 850
Delta R.T. 0.01 min
Lab File: VN061552.D
Acq: 29 May 2020 00:23

Tgt Ion: 84 Resp: 3587
Ion Ratio Lower Upper
84 100
49 112.8 85.8 128.8
51 31.9 26.2 39.2
86 61.4 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 0.993 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.00 min

Lab File: VN061552.D

Acq: 29 May 2020 00:23

Instrument :

MSVOA_N

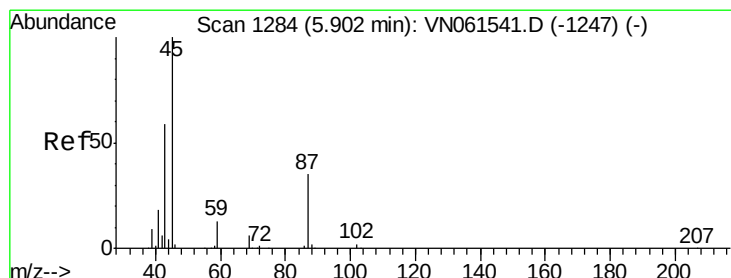
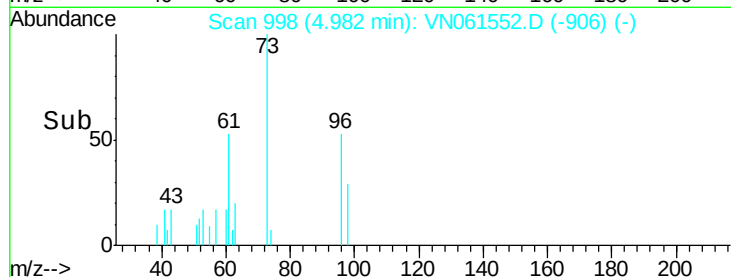
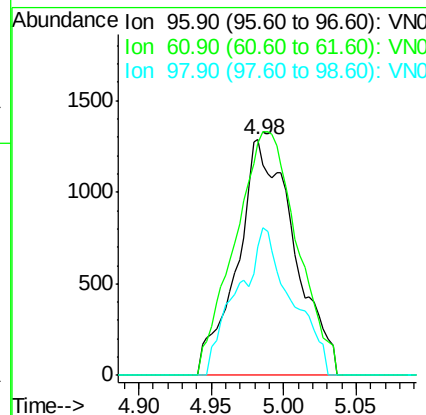
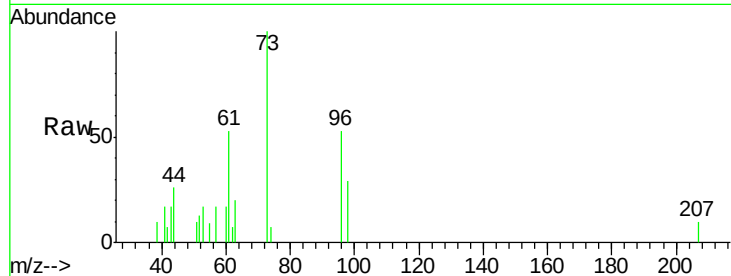
ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion:	96	Resp:	3521
Ion	Ratio	Lower	Upper
96	100		
61	98.5	101.4	152.0#
98	54.4	50.6	76.0

Manual Integrations
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5/29/2020 5:50:33 PM



#22

Diisopropyl ether

Concen: 0.893 ug/l m

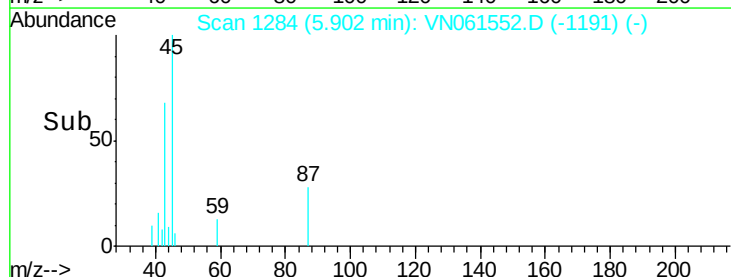
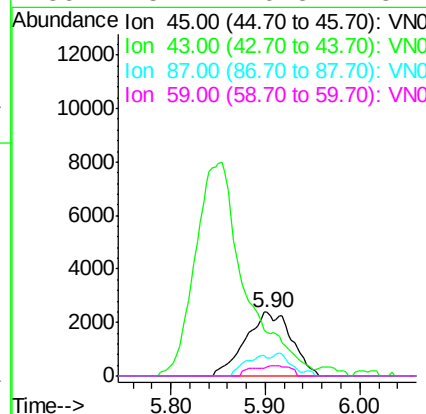
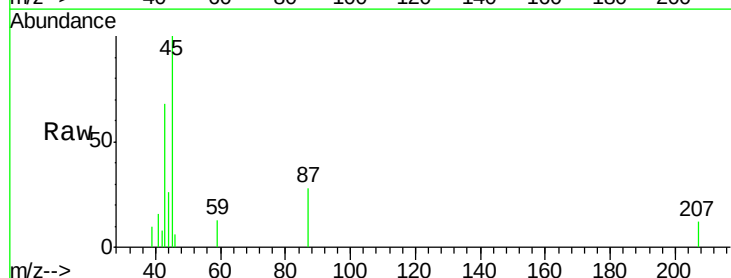
RT: 5.90 min Scan# 1284

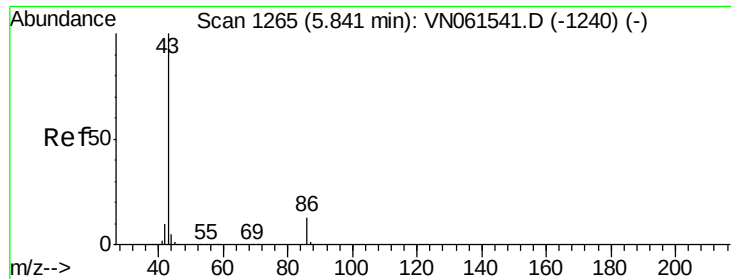
Delta R.T. 0.00 min

Lab File: VN061552.D

Acq: 29 May 2020 00:23

Tgt Ion:	45	Resp:	8091
Ion	Ratio	Lower	Upper
45	100		
43	67.5	47.9	71.9
87	28.4	28.4	42.6
59	13.2	10.5	15.7





#23

Vinyl Acetate

Concen: 4.051 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.01 min

Lab File: VN061552.D

Acq: 29 May 2020 00:23

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion: 43 Resp: 29239

Ion Ratio Lower Upper

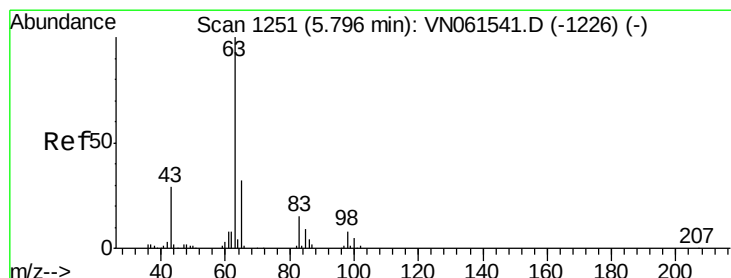
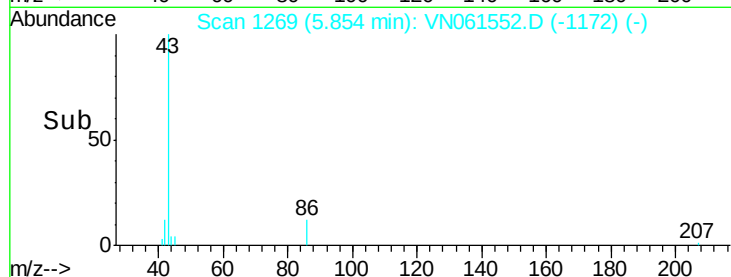
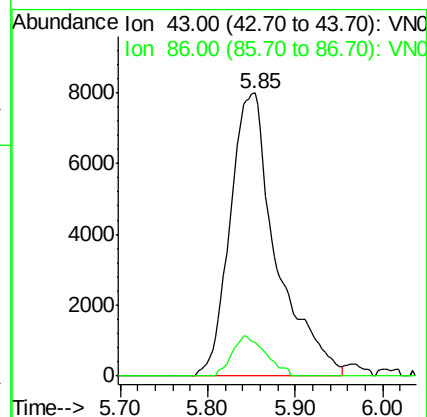
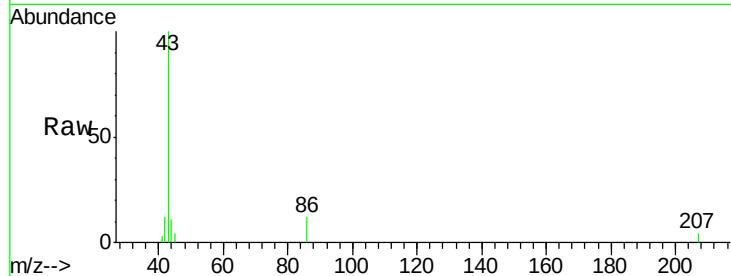
43 100

86 12.0 10.6 16.0

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 0.910 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VN061552.D

Acq: 29 May 2020 00:23

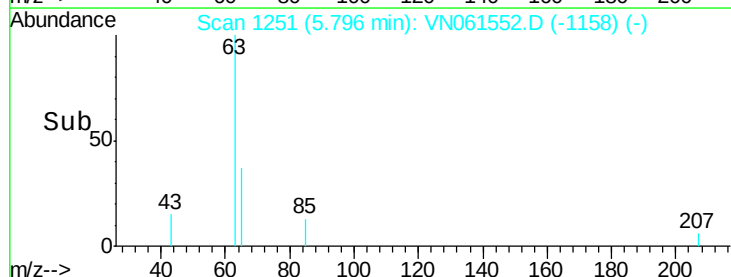
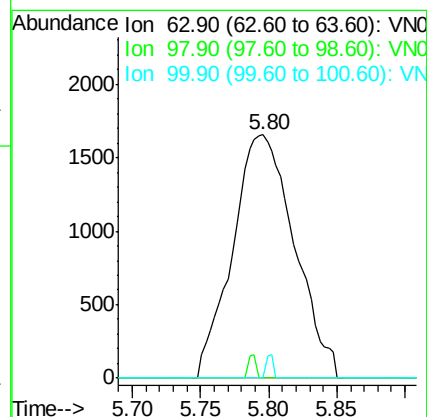
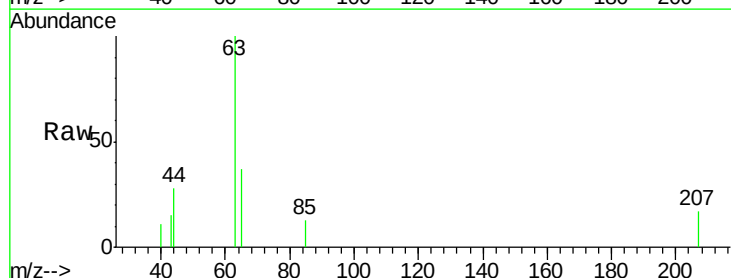
Tgt Ion: 63 Resp: 5226

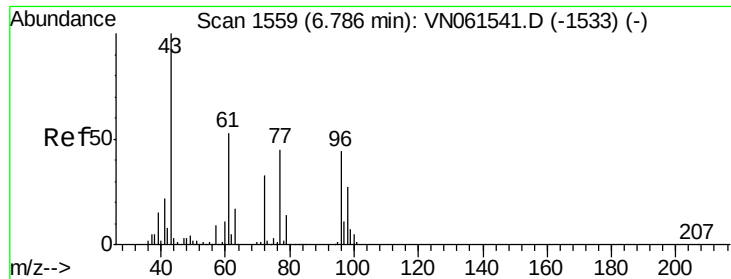
Ion Ratio Lower Upper

63 100

98 0.0 3.8 11.4#

100 0.0 2.5 7.6#





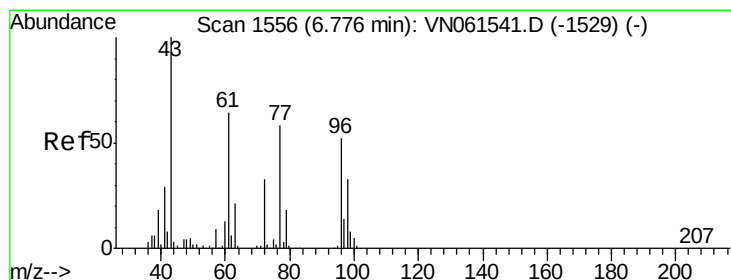
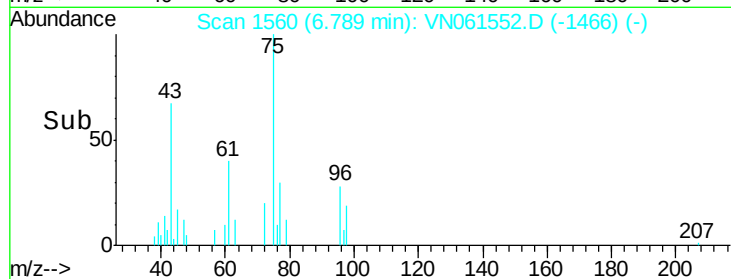
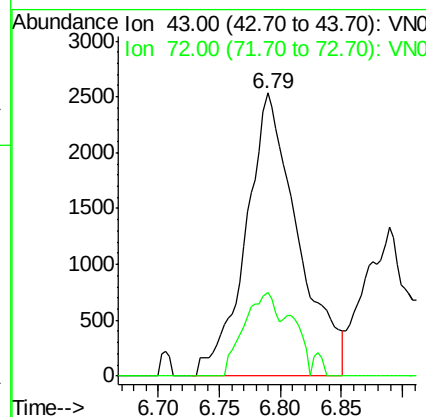
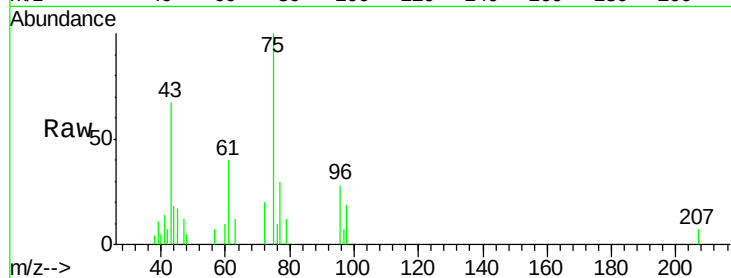
#25
2-Butanone
Concen: 4.310 ug/l
RT: 6.79 min Scan# 1560
Delta R.T. 0.00 min
Lab File: VN061552.D
Acq: 29 May 2020 00:23

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2020

Tot Ion: 43 Resp: 7486
Ion Ratio Lower Upper
43 100
72 29.6 26.0 39.0

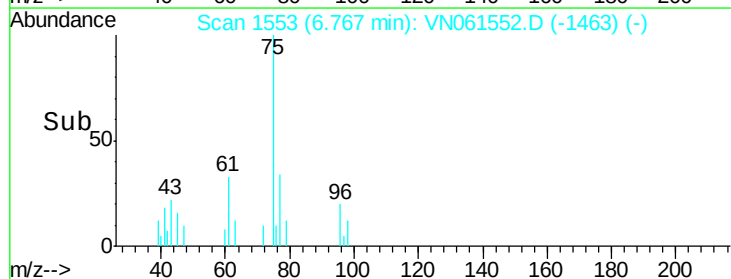
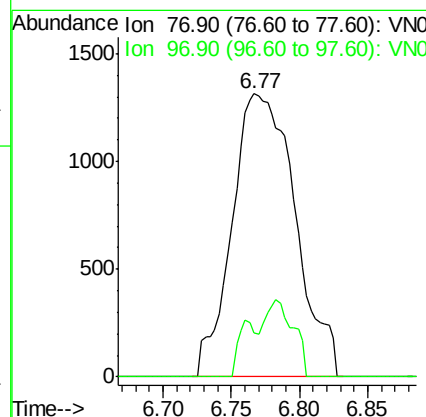
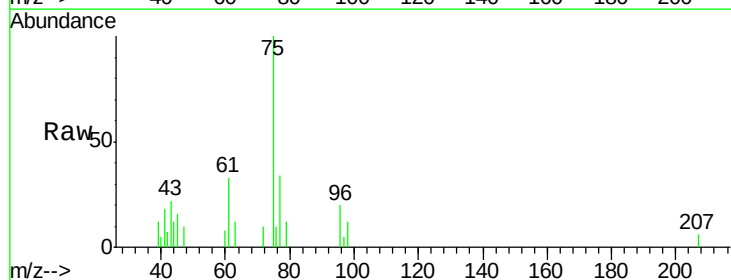
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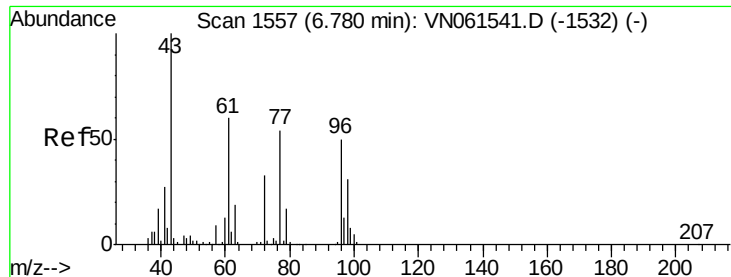
MMDadoda
5/29/2020 5:50:33 PM



#26
2,2-Dichloropropane
Concen: 0.805 ug/l
RT: 6.77 min Scan# 1553
Delta R.T. -0.01 min
Lab File: VN061552.D
Acq: 29 May 2020 00:23

Tgt Ion: 77 Resp: 4229
Ion Ratio Lower Upper
77 100
97 5.9 12.0 36.0#





#27

cis-1,2-Dichloroethene

Concen: 0.975 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. 0.00 min

Lab File: VN061552.D

Acq: 29 May 2020 00:23

Instrument :

MSVOA_N

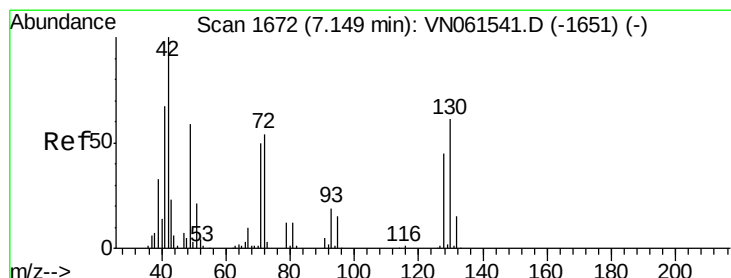
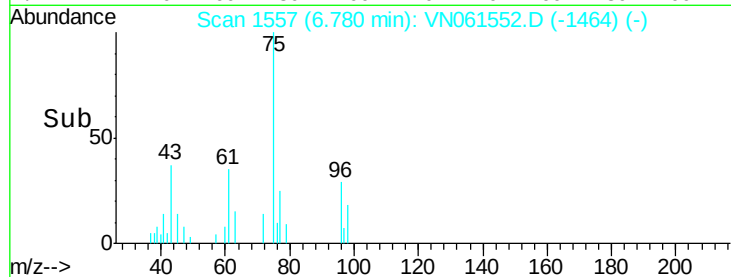
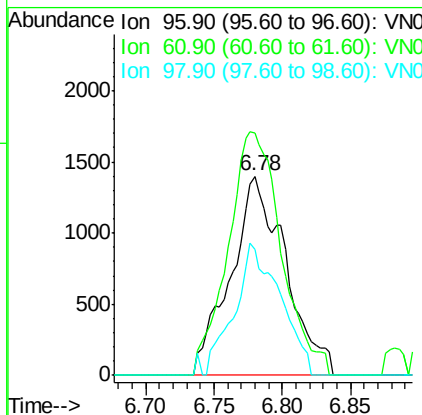
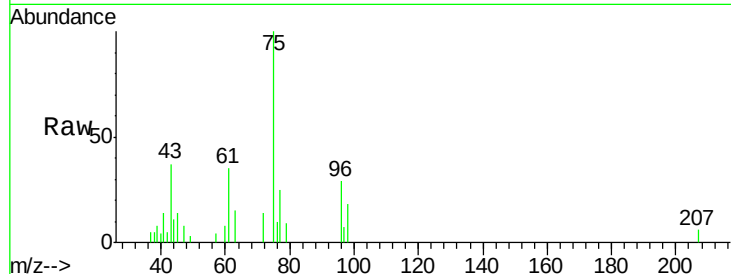
ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion:	96	Resp:	3913
Ion	Ratio	Lower	Upper
96	100		
61	118.9	0.0	252.2
98	55.5	0.0	129.2

Manual Integrations
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5/29/2020 5:50:33 PM



#28

Bromochloromethane

Concen: 0.383 ug/l

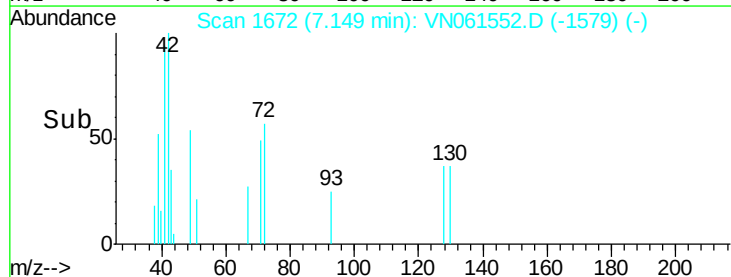
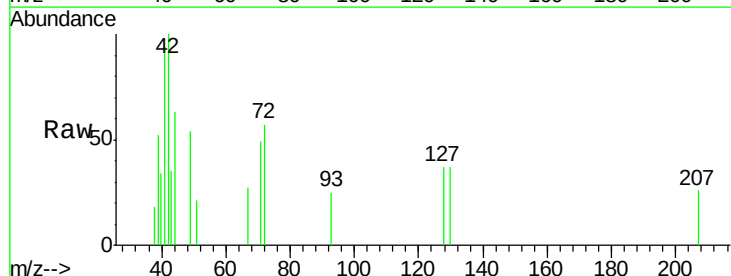
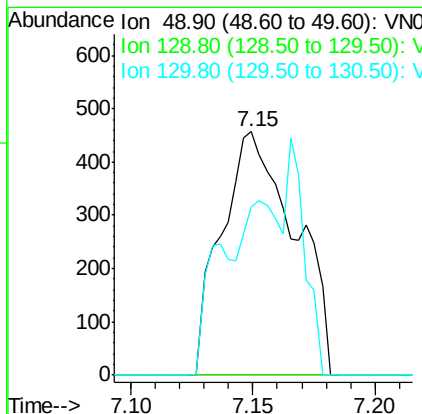
RT: 7.15 min Scan# 1672

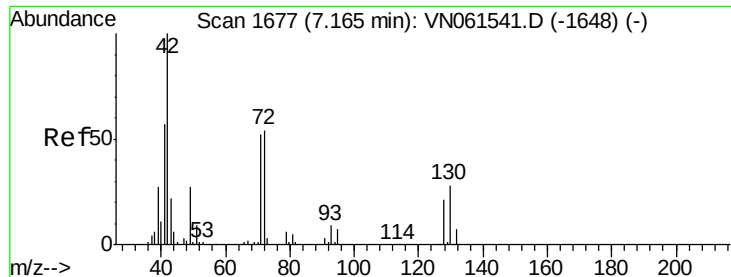
Delta R.T. 0.00 min

Lab File: VN061552.D

Acq: 29 May 2020 00:23

Tgt Ion:	49	Resp:	948
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.8
130	36.3	78.8	118.2#





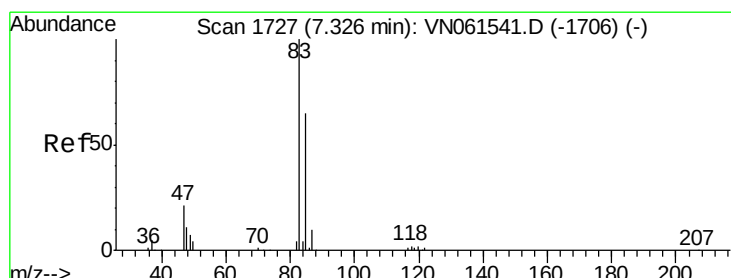
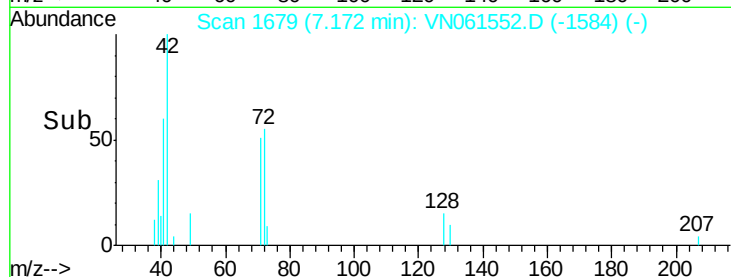
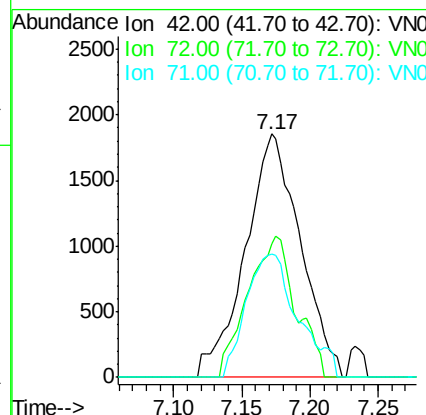
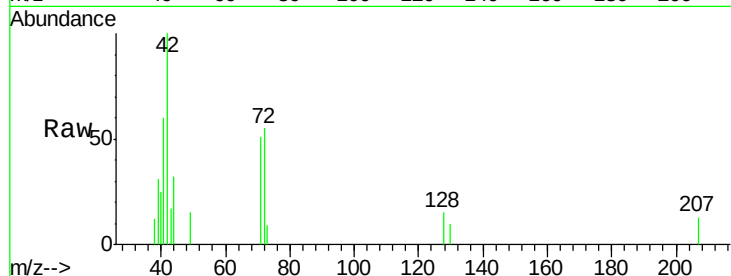
#29
Tetrahydrofuran
Concen: 4.533 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.01 min
Lab File: VN061552.D
Acq: 29 May 2020 00:23

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2020

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.6	43.6	65.4
71	47.6	41.2	61.8

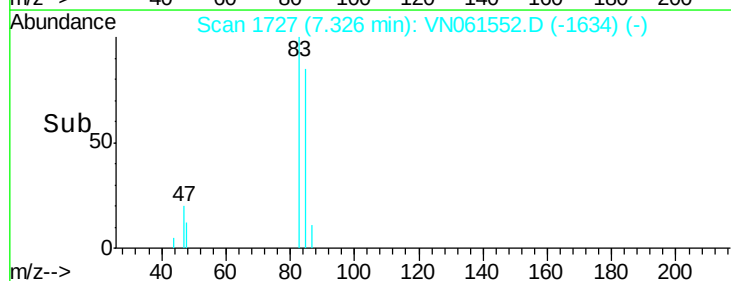
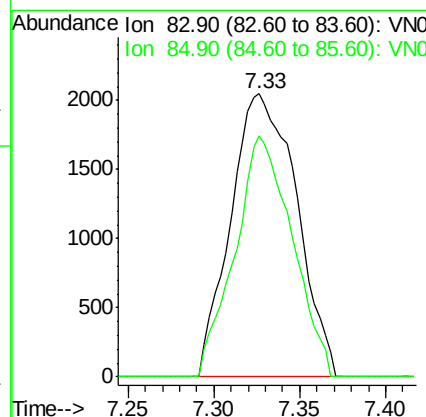
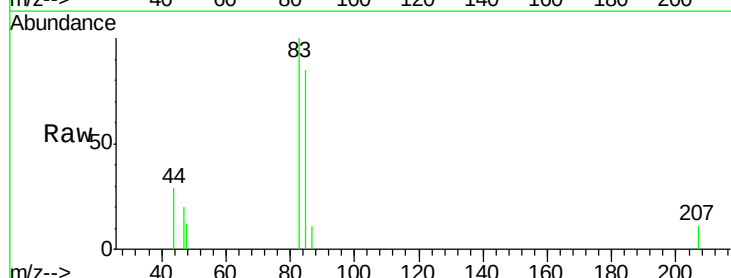
Manual Integrations
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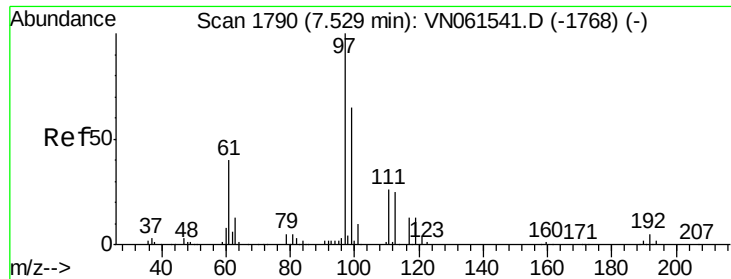
MMDadoda
5/29/2020 5:50:33 PM



#30
Chloroform
Concen: 0.857 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. 0.00 min
Lab File: VN061552.D
Acq: 29 May 2020 00:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	85.1	51.7	77.5





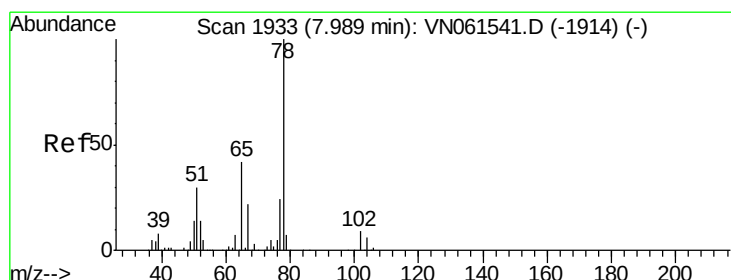
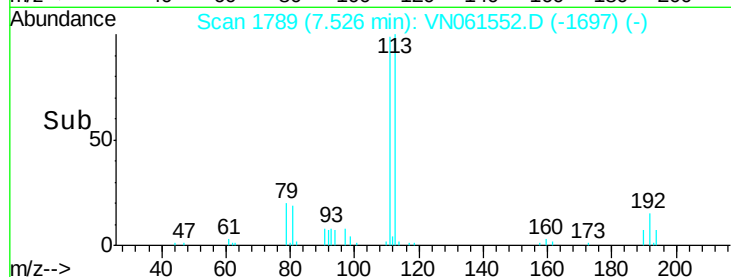
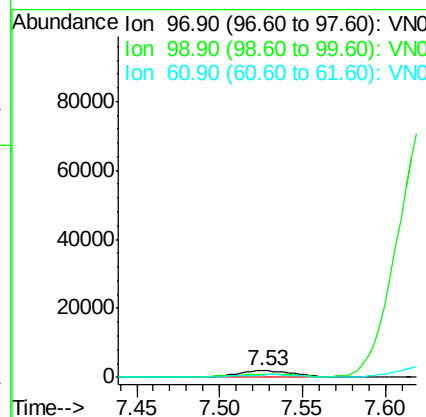
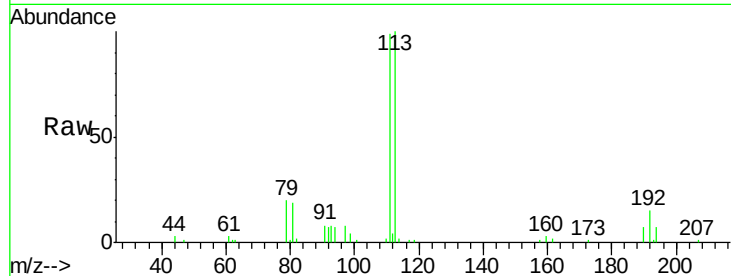
#32
 1,1,1-Trichloroethane
 Concen: 0.791 ug/l
 RT: 7.53 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VN061552.D
 Acq: 29 May 2020 00:23

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT2-2020

Tot Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.4	77.0#
61	37.2	31.4	47.0

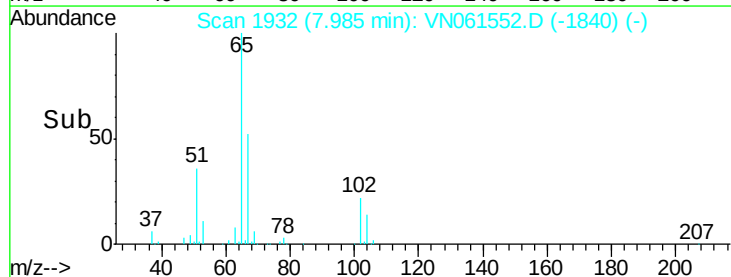
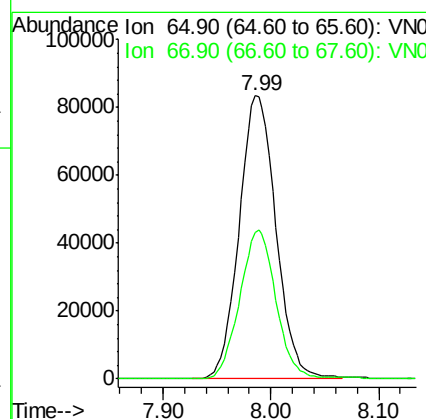
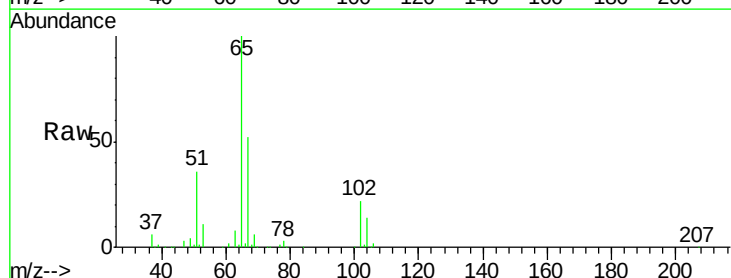
Manual Integrations
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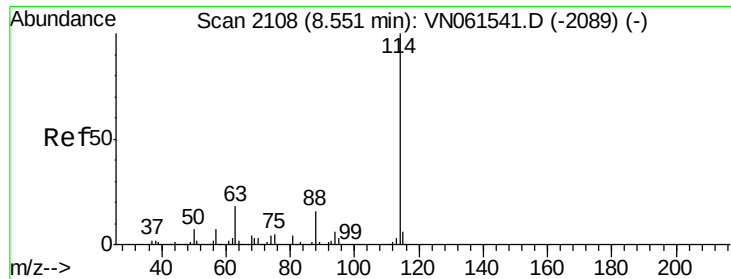
MMDadoda
 5/29/2020 5:50:33 PM



#33
 1,2-Dichloroethane-d4
 Concen: 53.961 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN061552.D
 Acq: 29 May 2020 00:23

Tgt Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. 0.00 min

Lab File: VN061552.D

Acq: 29 May 2020 00:23

Instrument :

MSVOA_N

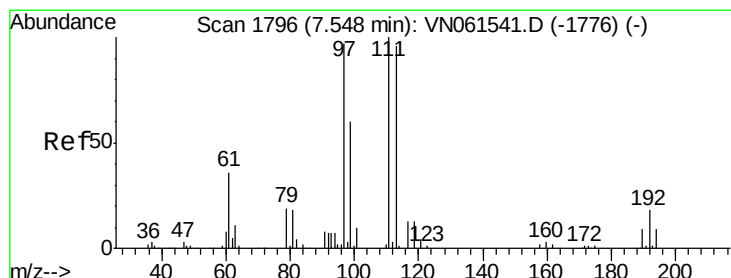
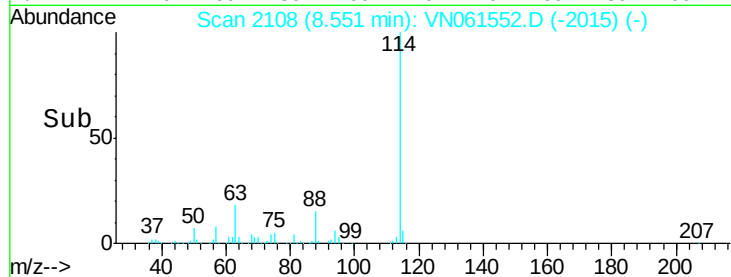
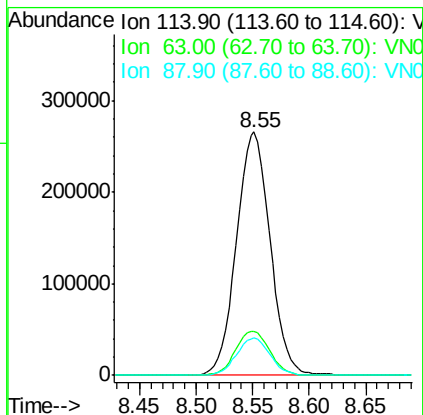
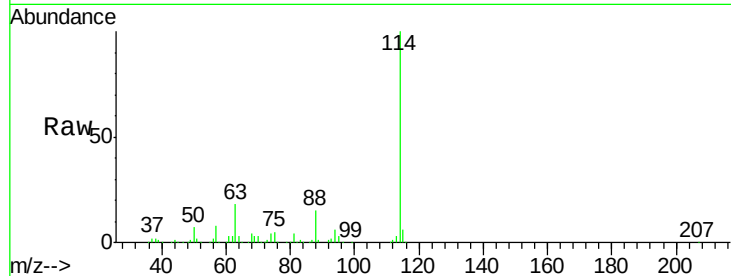
ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion	Ratio	Resp	Lower	Upper
114	100	550555		
63	18.2		0.0	35.8
88	15.2		0.0	31.0

Manual Integrations
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#35

Dibromofluoromethane

Concen: 54.002 ug/l

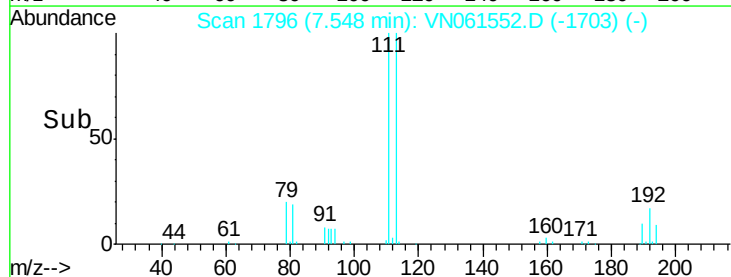
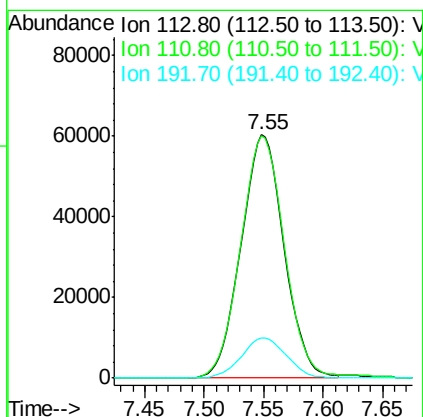
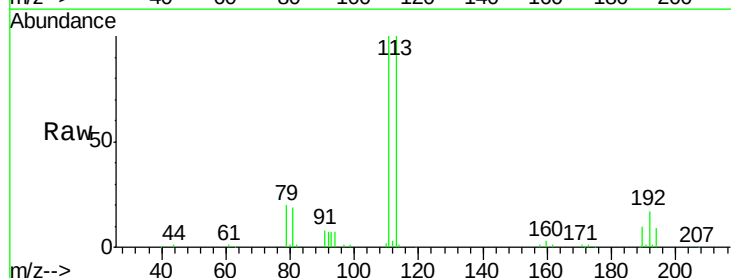
RT: 7.55 min Scan# 1796

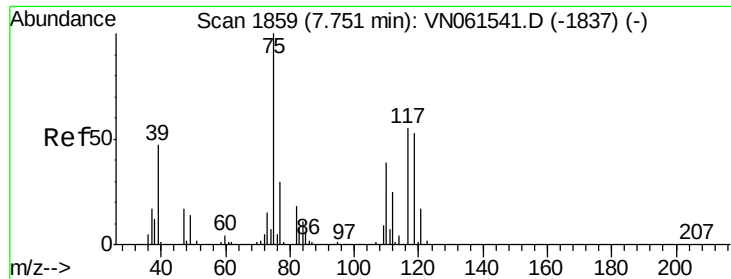
Delta R.T. 0.00 min

Lab File: VN061552.D

Acq: 29 May 2020 00:23

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	150821		
111	102.2		83.4	125.0
192	17.4		15.4	23.2





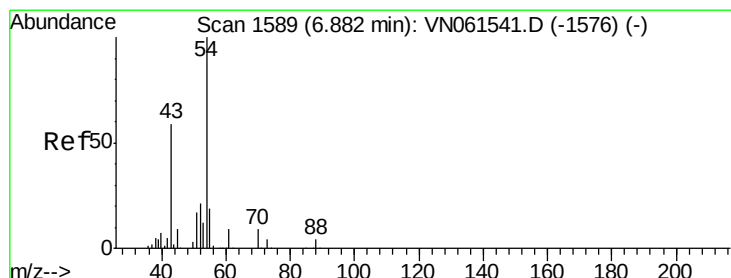
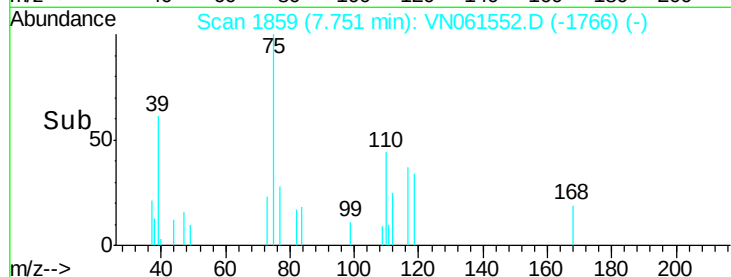
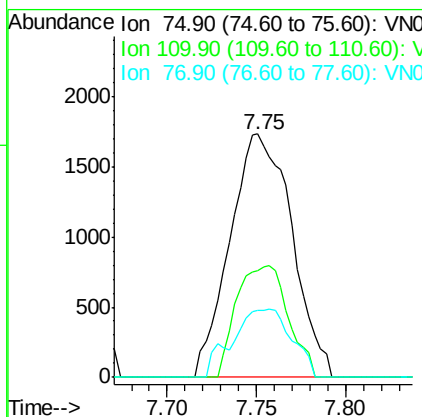
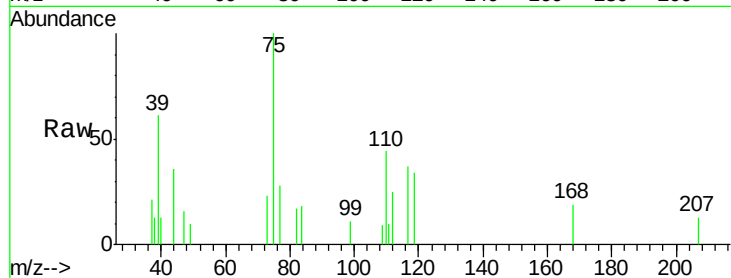
#36
 1,1-Dichloropropene
 Concen: 0.859 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VN061552.D
 Acq: 29 May 2020 00:23

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT2-2020

Tot Ion	Ratio	Lower	Upper
75	100		
110	38.3	19.5	58.5
77	26.9	24.7	37.1

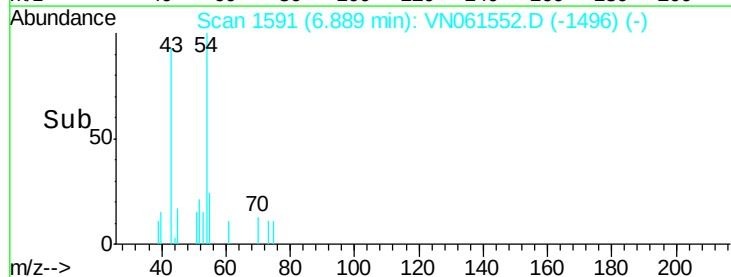
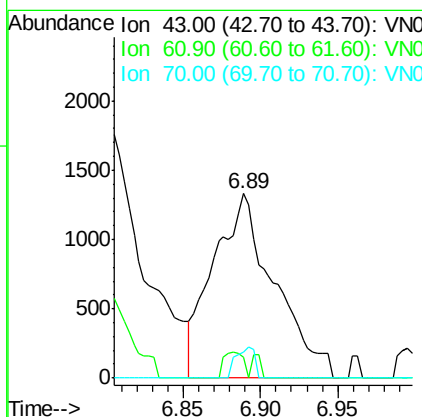
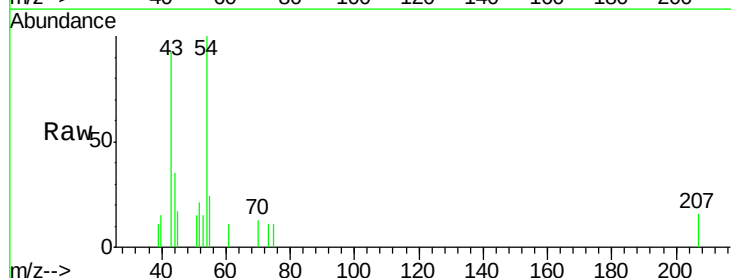
Manual Integrations
 APPROVED

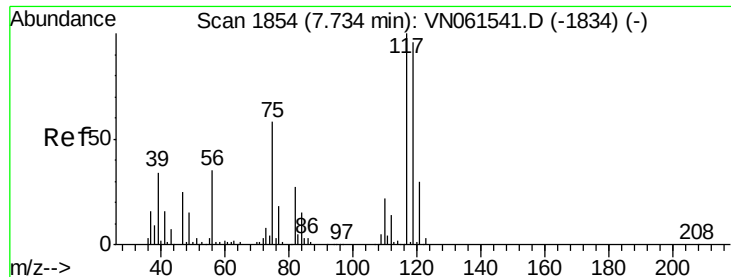
MMDadoda
 5/29/2020 5:50:33 PM



#37
 Ethyl Acetate
 Concen: 0.932 ug/l
 RT: 6.89 min Scan# 1591
 Delta R.T. 0.01 min
 Lab File: VN061552.D
 Acq: 29 May 2020 00:23

Tgt Ion	Ratio	Lower	Upper
43	100		
61	4.5	12.2	18.4#
70	4.9	9.4	14.2#





#38

Carbon Tetrachloride

Concen: 0.687 ug/l

RT: 7.73 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VN061552.D

Acq: 29 May 2020 00:23

Instrument :

MSVOA_N

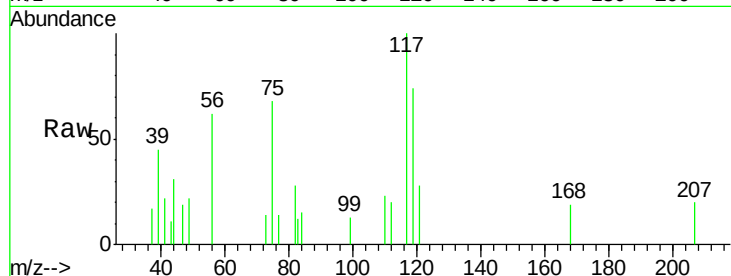
ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion	Ratio	Lower	Upper
117	100		
119	74.1	76.5	114.7#
121	27.5	24.1	36.1

Manual Integrations
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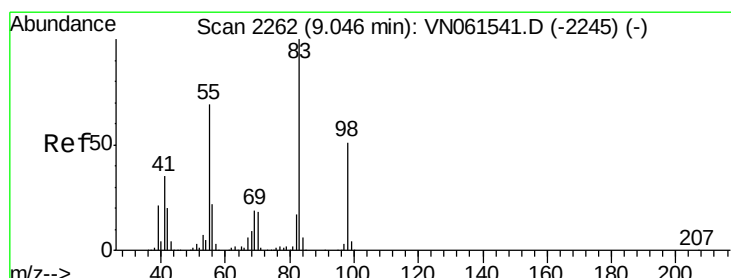
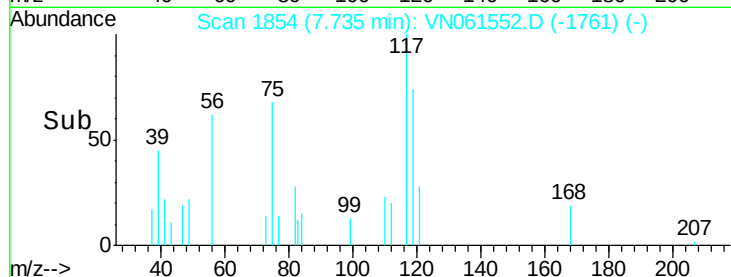
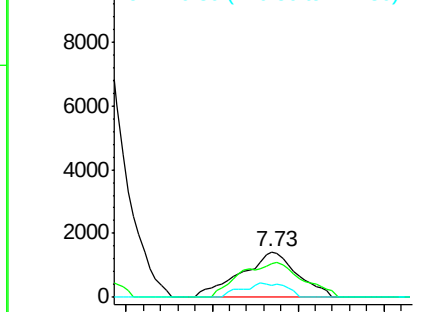
MMDadoda
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Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 0.835 ug/l

RT: 9.04 min Scan# 2261

Delta R.T. -0.00 min

Lab File: VN061552.D

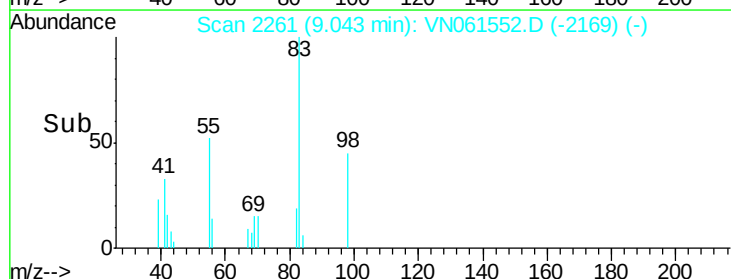
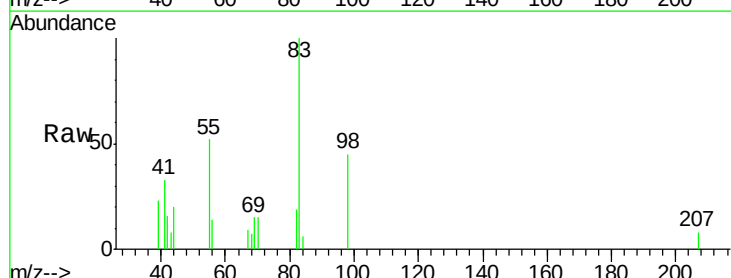
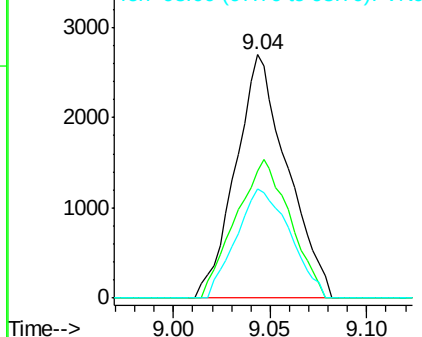
Acq: 29 May 2020 00:23

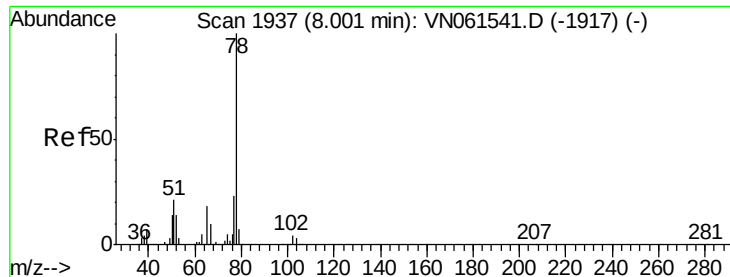
Tgt Ion	Ratio	Lower	Upper
83	100		
55	52.4	54.9	82.3#
98	44.9	41.0	61.4

Abundance Ion 83.00 (82.70 to 83.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 98.00 (97.70 to 98.70): VNO





#40

Benzene

Concen: 0.849 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VN061552.D

Acq: 29 May 2020 00:23

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion: 78 Resp: 12765

Ion Ratio Lower Upper

78 100

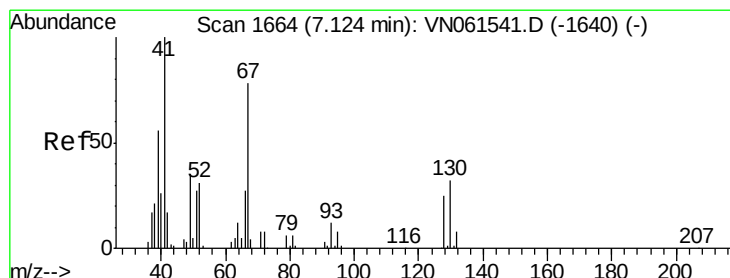
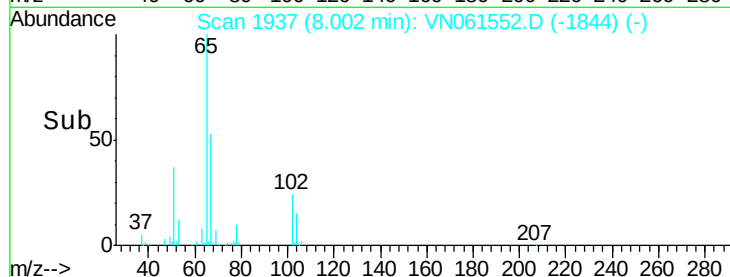
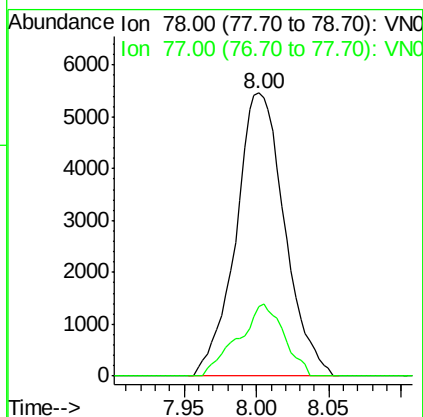
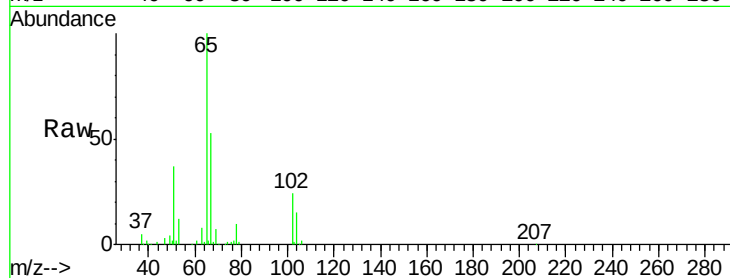
77 24.4 18.6 28.0

Manual Integrations

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#41

Methacrylonitrile

Concen: 0.937 ug/l

RT: 7.13 min Scan# 1667

Delta R.T. 0.01 min

Lab File: VN061552.D

Acq: 29 May 2020 00:23

Tgt Ion: 41 Resp: 1685

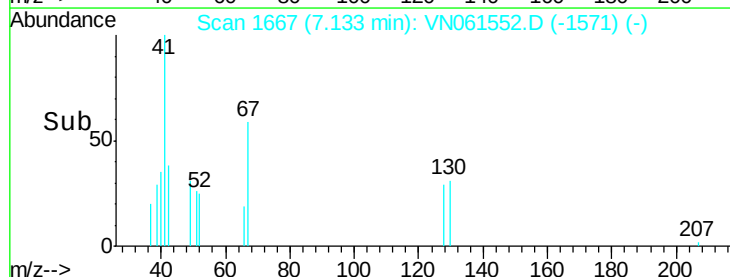
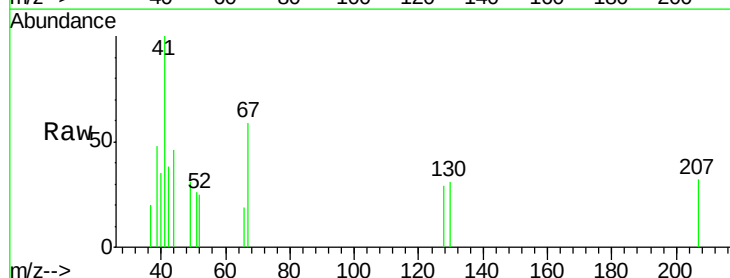
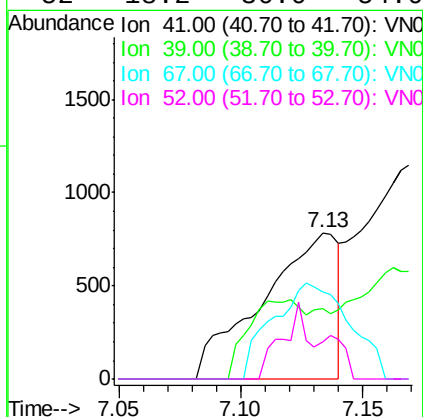
Ion Ratio Lower Upper

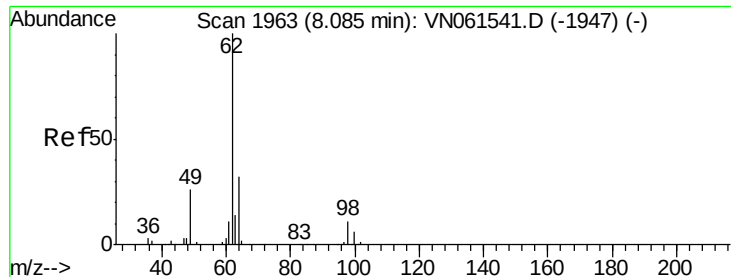
41 100

39 39.8 53.8 80.6#

67 66.5 91.1 136.7#

52 18.2 36.0 54.0#





#42

1,2-Dichloroethane

Concen: 0.985 ug/l

RT: 8.09 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VN061552.D

Acq: 29 May 2020 00:23

Instrument :

MSVOA_N

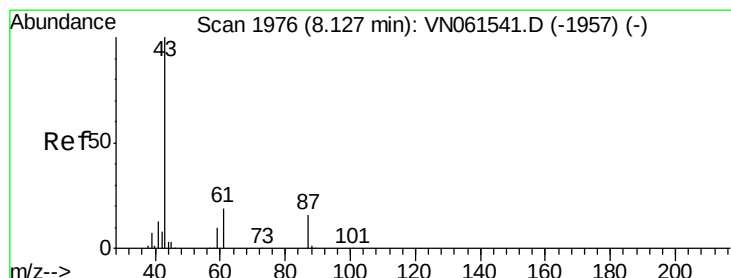
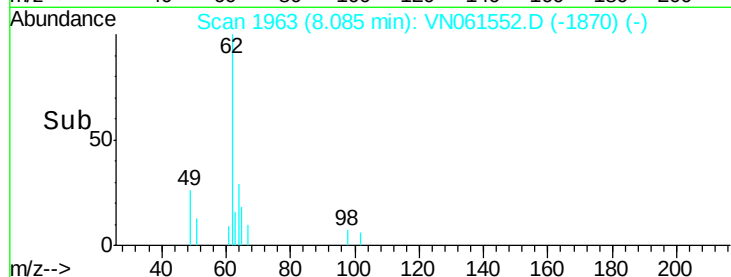
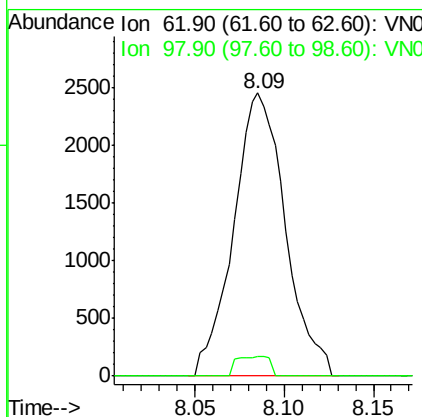
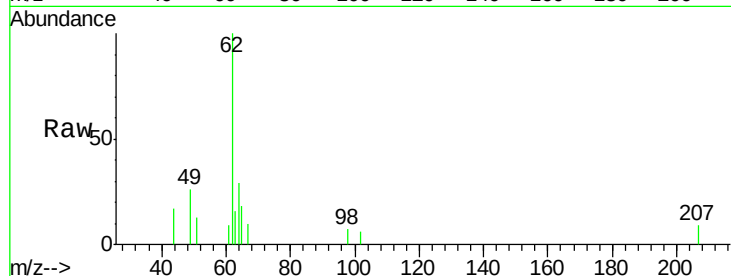
ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion:	62	Resp:	4960
Ion	Ratio	Lower	Upper
62	100		
98	4.4	0.0	21.4

Manual Integrations
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#43

Isopropyl Acetate

Concen: 0.819 ug/l

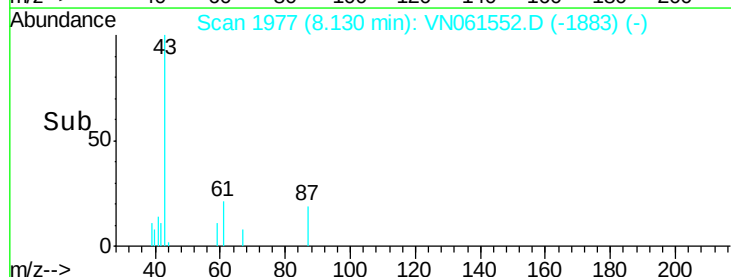
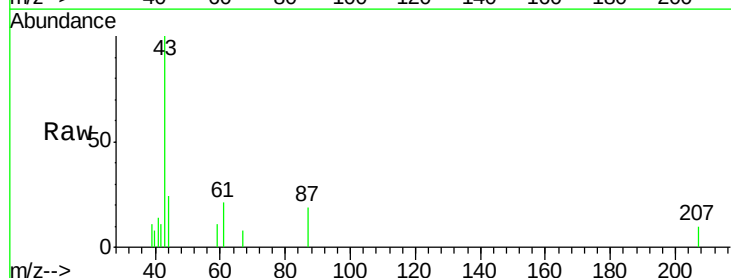
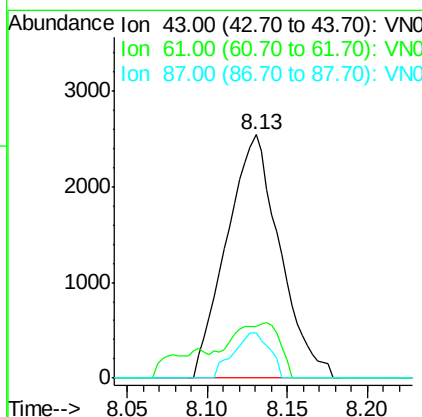
RT: 8.13 min Scan# 1977

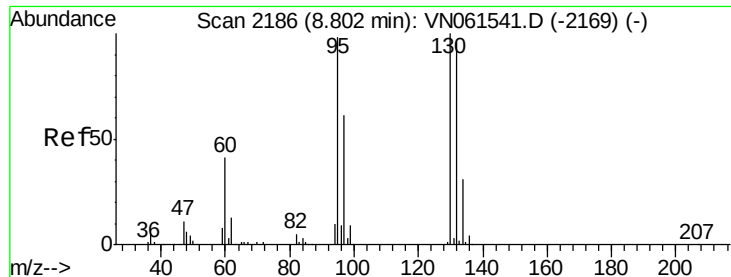
Delta R.T. 0.00 min

Lab File: VN061552.D

Acq: 29 May 2020 00:23

Tgt Ion:	43	Resp:	5783
Ion	Ratio	Lower	Upper
43	100		
61	19.9	23.6	35.4#
87	12.5	13.0	19.6#





#44

Trichloroethene

Concen: 0.815 ug/l

RT: 8.80 min Scan# 2185

Delta R.T. -0.00 min

Lab File: VN061552.D

Acq: 29 May 2020 00:23

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion:130 Resp: 3768

Ion Ratio Lower Upper

130 100

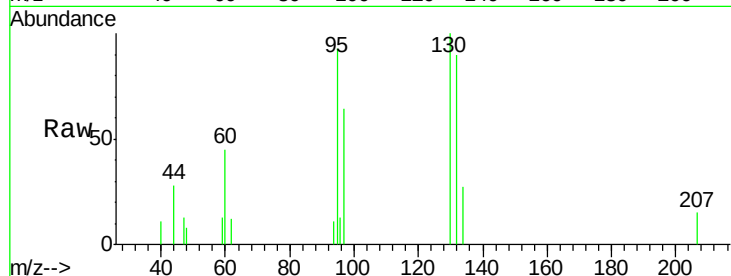
95 93.1 0.0 196.6

Manual Integrations

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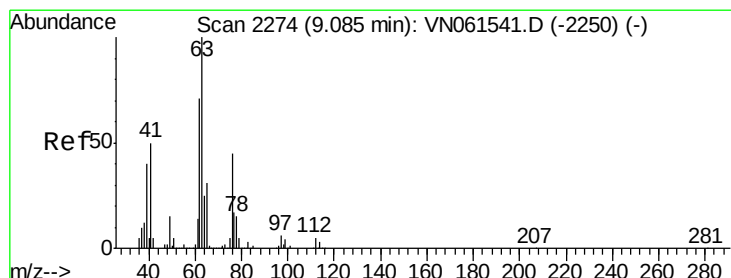
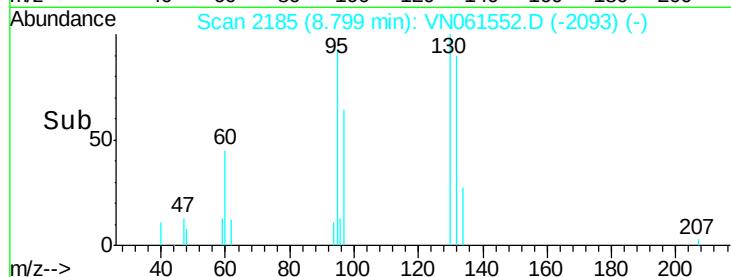
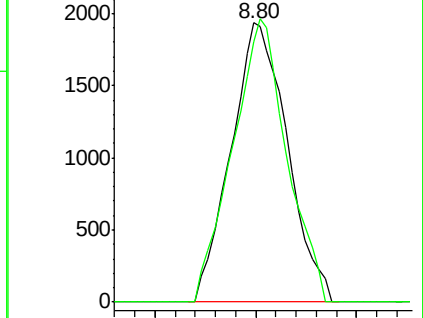
MMDadoda

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Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0



#45

1,2-Dichloropropane

Concen: 0.854 ug/l

RT: 9.09 min Scan# 2274

Delta R.T. 0.00 min

Lab File: VN061552.D

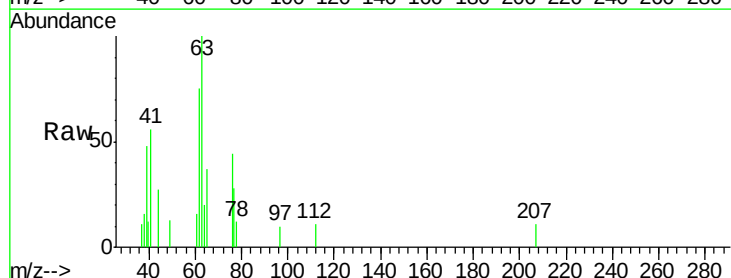
Acq: 29 May 2020 00:23

Tgt Ion: 63 Resp: 3048

Ion Ratio Lower Upper

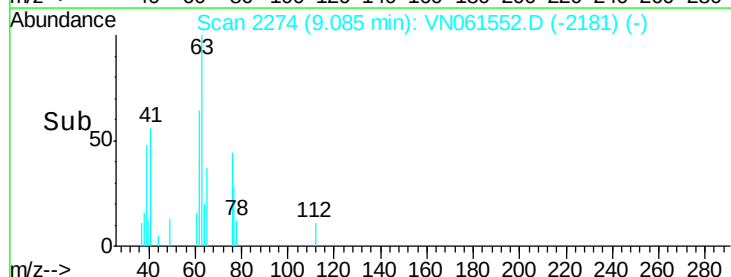
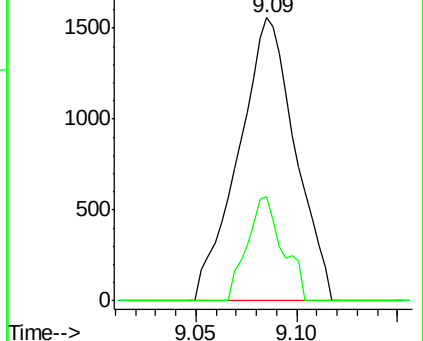
63 100

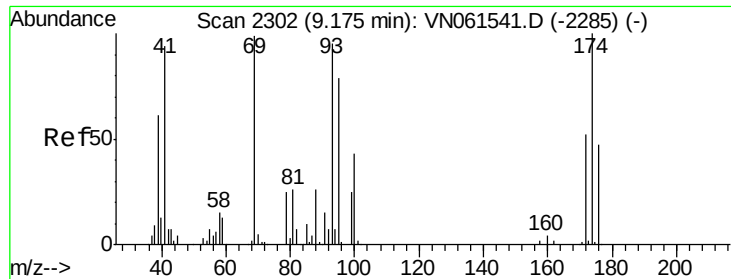
65 36.7 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0





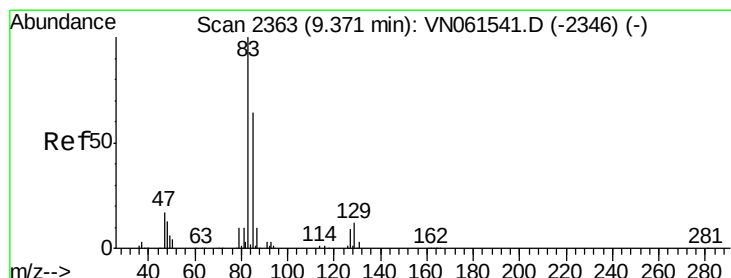
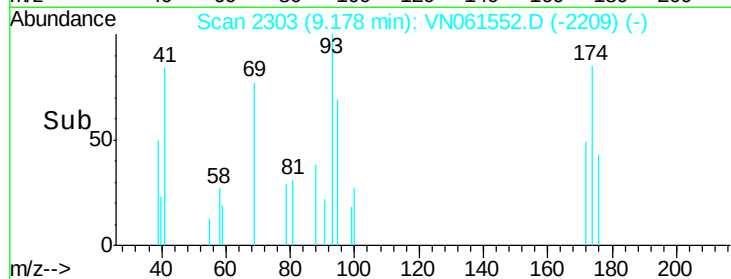
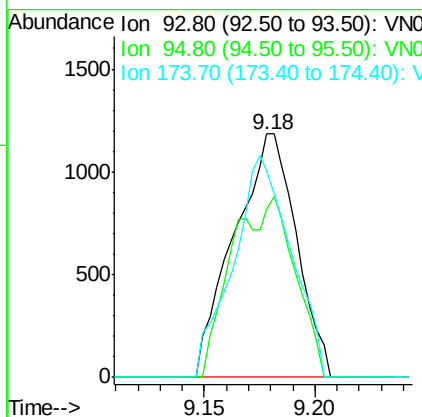
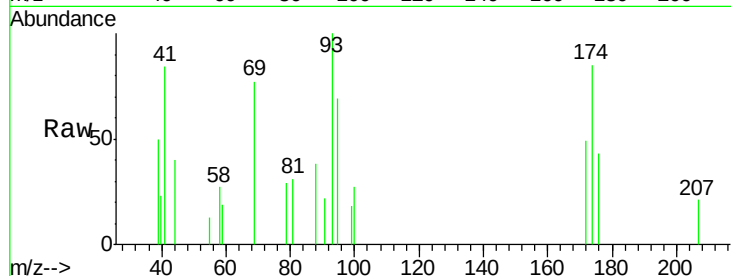
#46
Dibromomethane
Concen: 0.842 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN061552.D
Acq: 29 May 2020 00:23

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2020

Tot Ion	Ratio	Lower	Upper
93	100		
95	32.5	66.0	99.0#
174	85.0	82.5	123.7

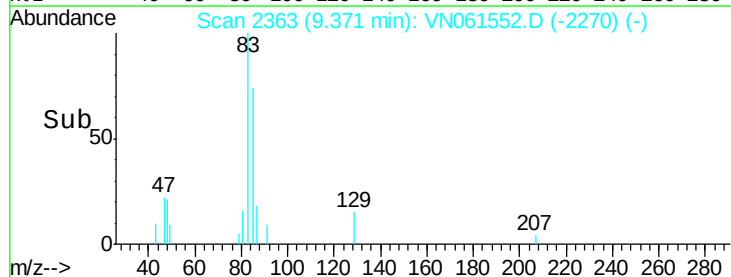
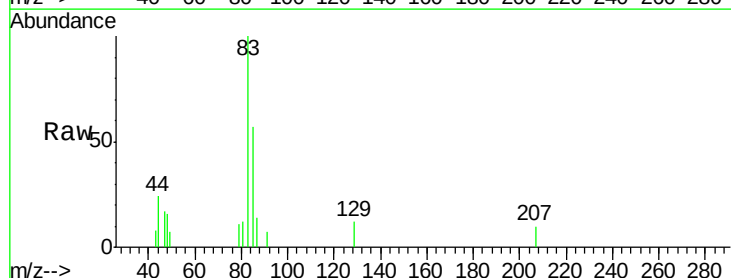
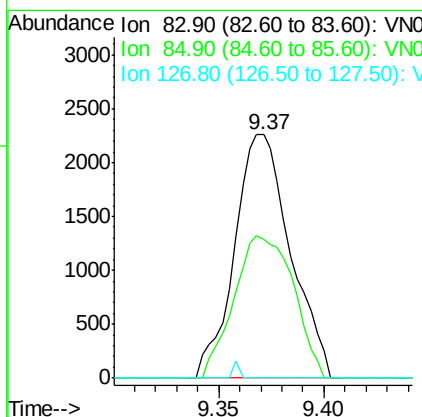
Manual Integrations
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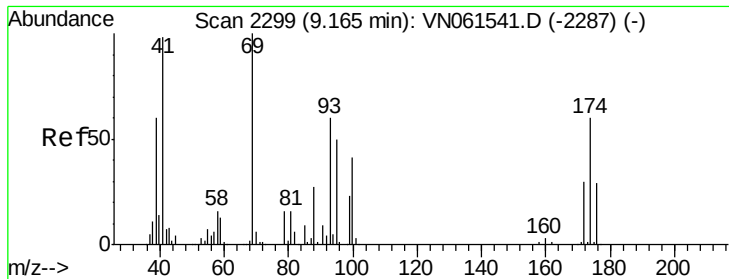
MMDadoda
5/29/2020 5:50:33 PM



#47
Bromodichloromethane
Concen: 0.767 ug/l
RT: 9.37 min Scan# 2363
Delta R.T. 0.00 min
Lab File: VN061552.D
Acq: 29 May 2020 00:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	56.7	51.1	76.7
127	0.0	7.2	10.8#





#48

Methvl methacrylate

Concen: 0.847 ug/l

RT: 9.17 min Scan# 2300

Delta R.T. 0.00 min

Lab File: VN061552.D

Acq: 29 May 2020 00:23

Instrument :

MSVOA_N

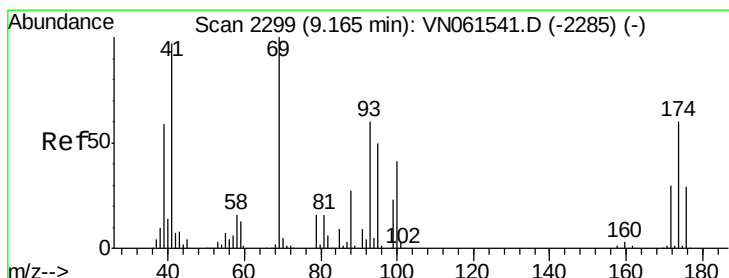
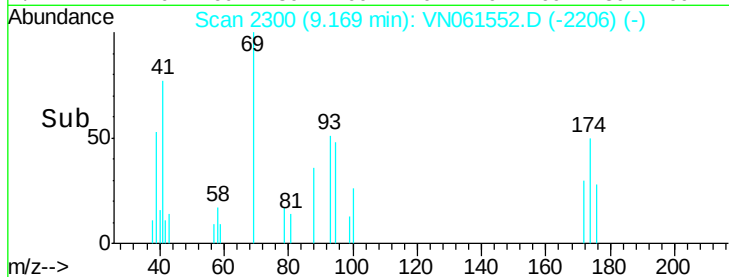
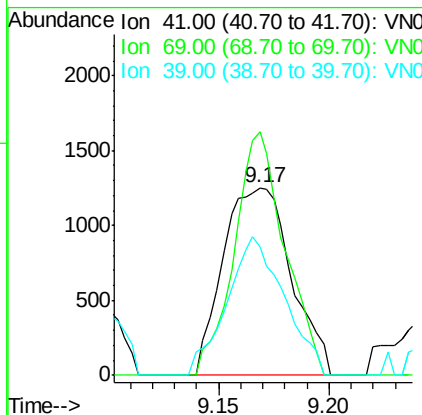
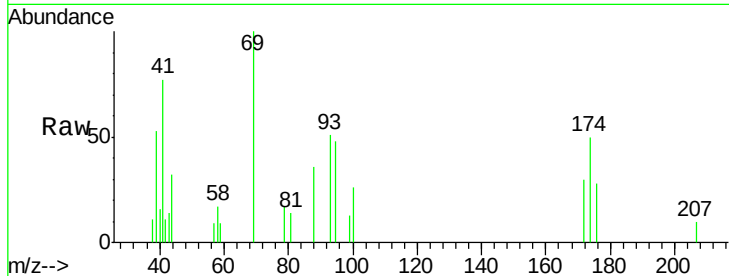
ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion:	41	Resp:	2690
Ion	Ratio	Lower	Upper
41	100		
69	96.1	83.9	125.9
39	62.2	52.1	78.1

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#49

1,4-Dioxane

Concen: 19.766 ug/l

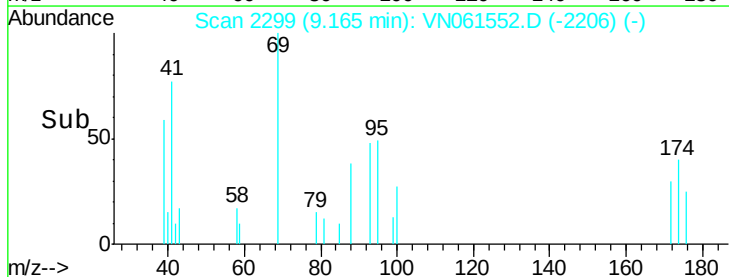
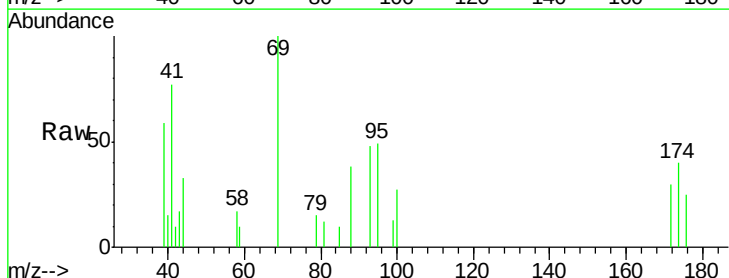
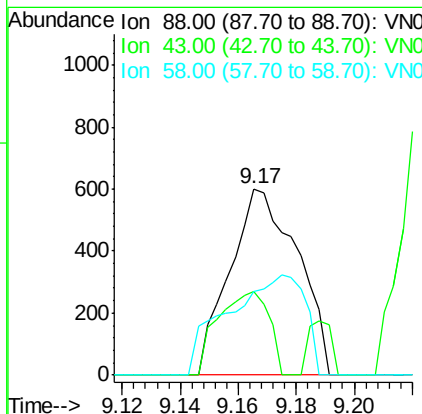
RT: 9.17 min Scan# 2299

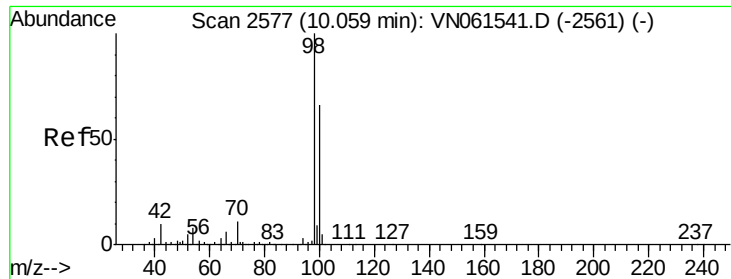
Delta R.T. 0.00 min

Lab File: VN061552.D

Acq: 29 May 2020 00:23

Tgt Ion:	88	Resp:	973
Ion	Ratio	Lower	Upper
88	100		
43	33.6	23.1	34.7
58	61.8	48.3	72.5





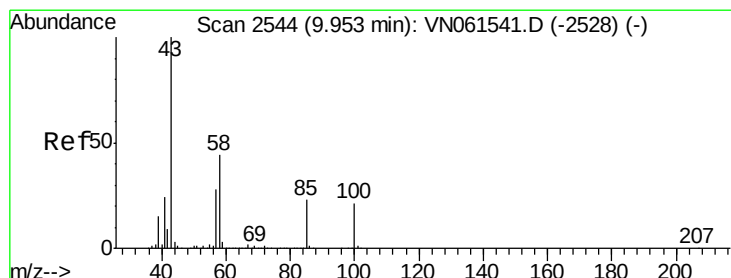
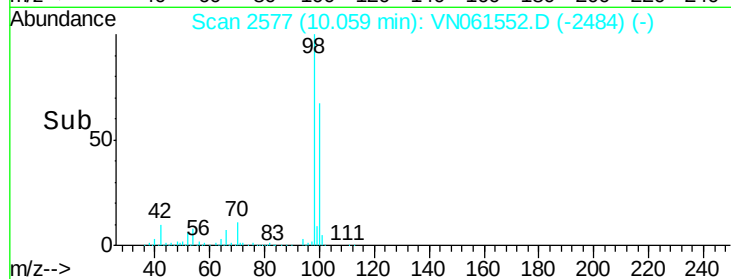
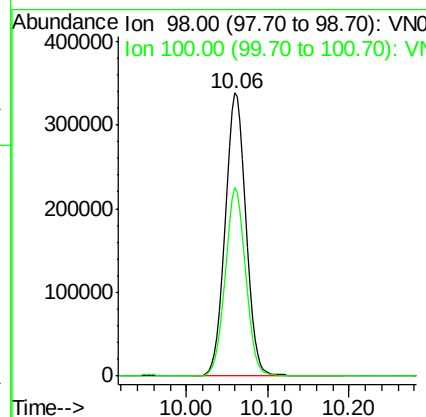
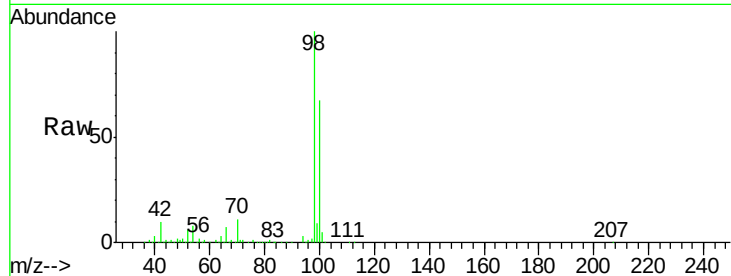
#50
Toluene-d8
Concen: 47.391 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN061552.D
Acq: 29 May 2020 00:23

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2020

Tot Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.8	79.2

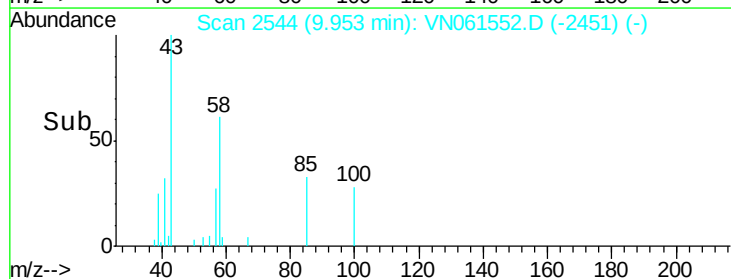
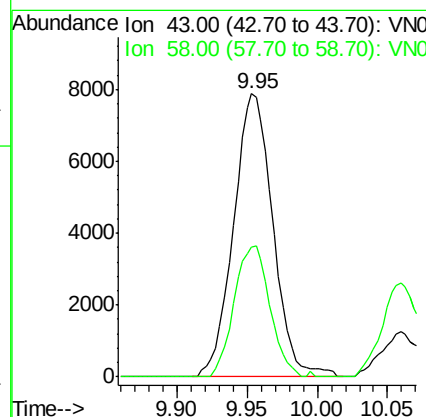
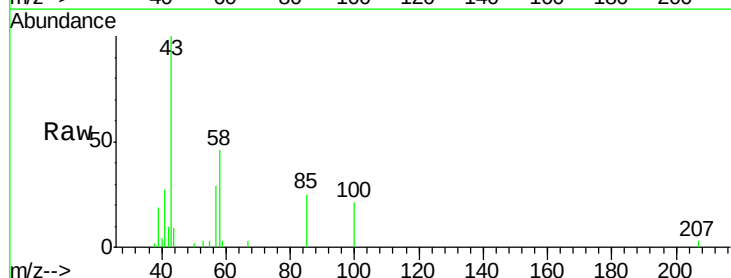
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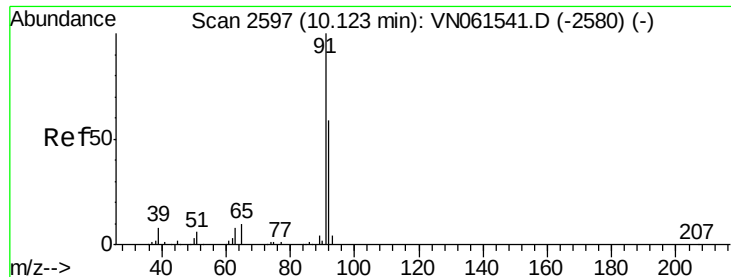
MMDadoda
5/29/2020 5:50:33 PM



#51
4-Methyl-2-Pentanone
Concen: 3.871 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. 0.00 min
Lab File: VN061552.D
Acq: 29 May 2020 00:23

Tgt Ion	Ratio	Lower	Upper
43	100		
58	41.9	35.0	52.6





#52

Toluene

Concen: 0.798 ug/l

RT: 10.13 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VN061552.D

Acq: 29 May 2020 00:23

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion: 92 Resp: 7831

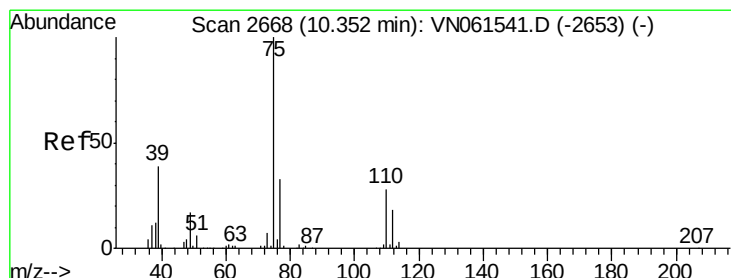
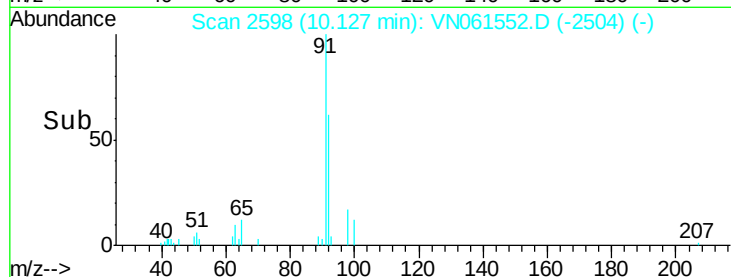
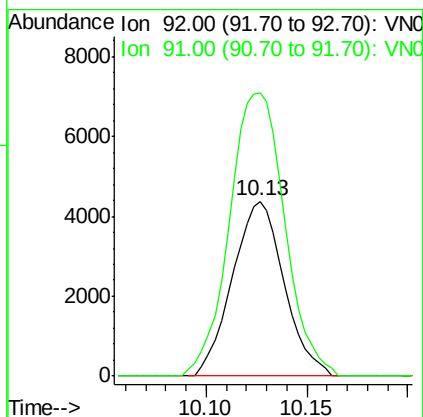
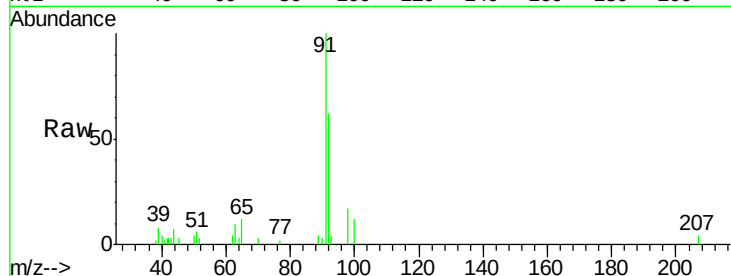
Ion Ratio Lower Upper

92 100

91 173.5 136.4 204.6

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#53

t-1,3-Dichloropropene

Concen: 0.725 ug/l

RT: 10.36 min Scan# 2669

Delta R.T. 0.00 min

Lab File: VN061552.D

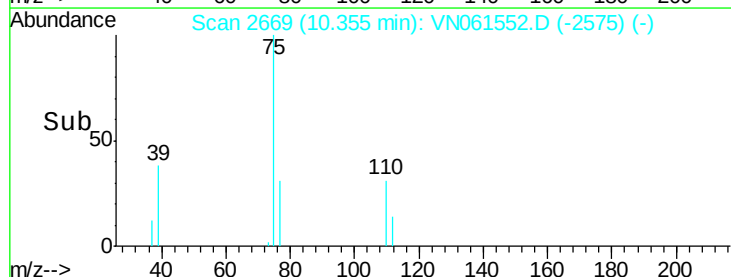
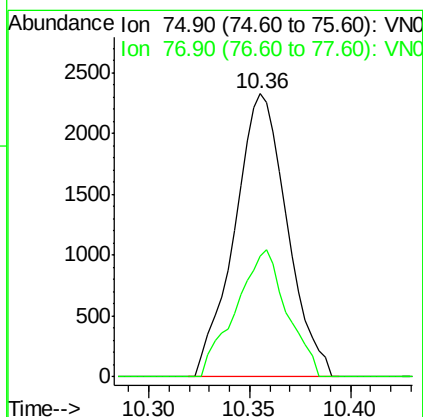
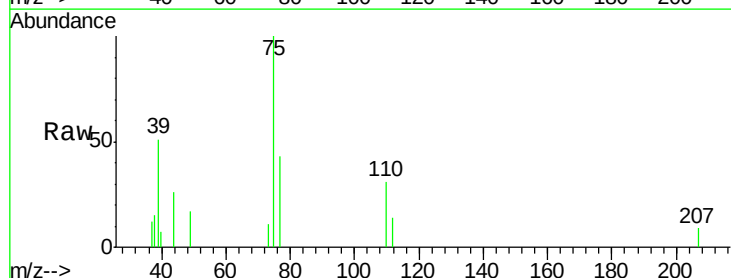
Acq: 29 May 2020 00:23

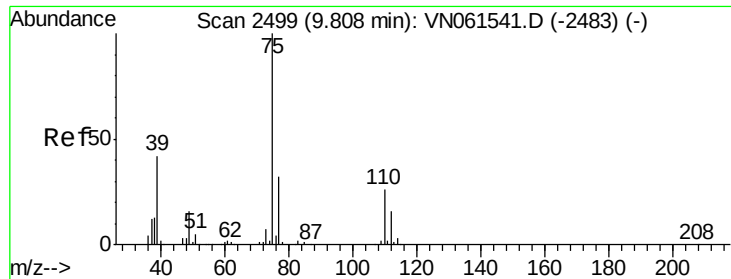
Tgt Ion: 75 Resp: 4235

Ion Ratio Lower Upper

75 100

77 42.7 26.2 39.4#





#54

cis-1,3-Dichloropropene

Concen: 0.727 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. 0.00 min

Lab File: VN061552.D

Acq: 29 May 2020 00:23

Instrument :

MSVOA_N

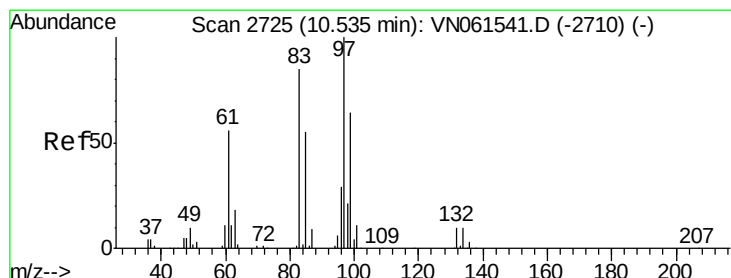
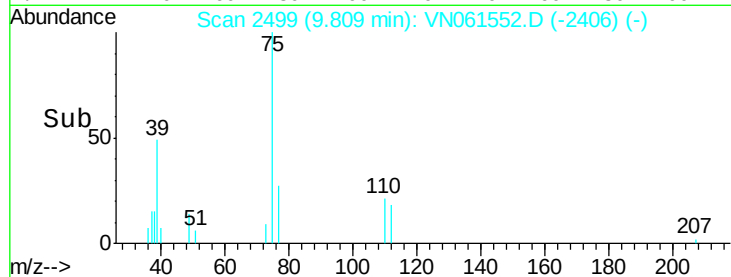
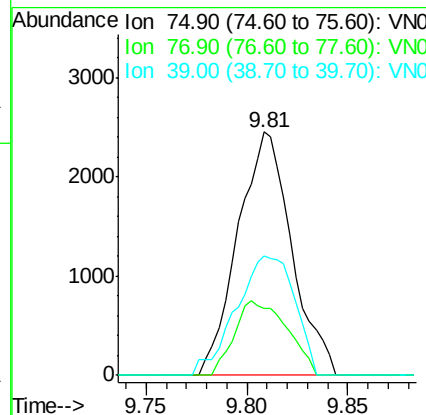
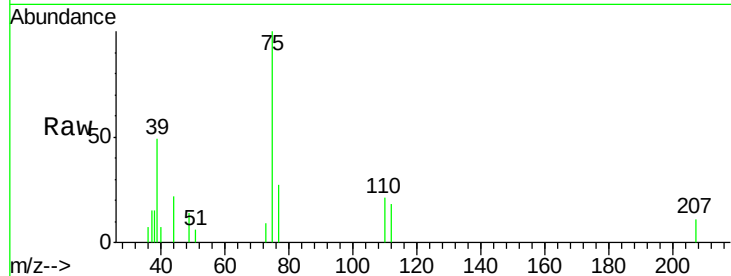
ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion:	75	Resp:	4571
Ion	Ratio	Lower	Upper
75	100		
77	27.3	25.4	38.2
39	49.2	33.8	50.6

Manual Integrations
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#55

1,1,2-Trichloroethane

Concen: 0.726 ug/l

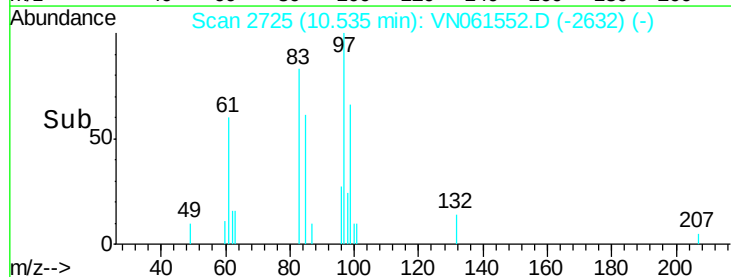
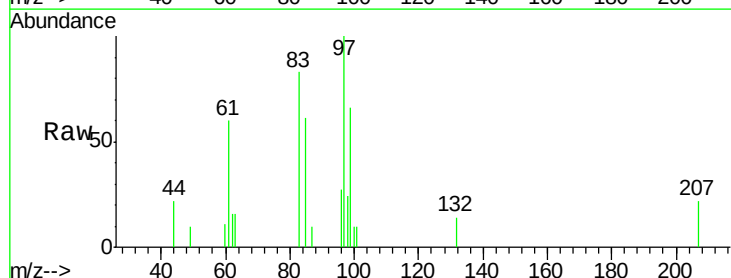
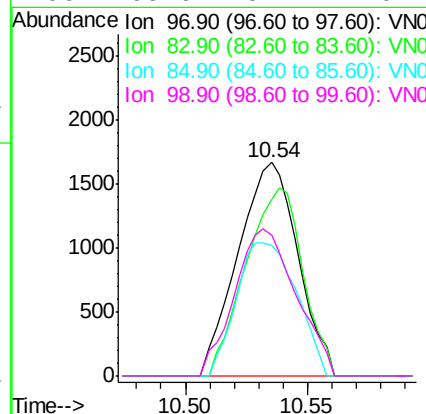
RT: 10.54 min Scan# 2725

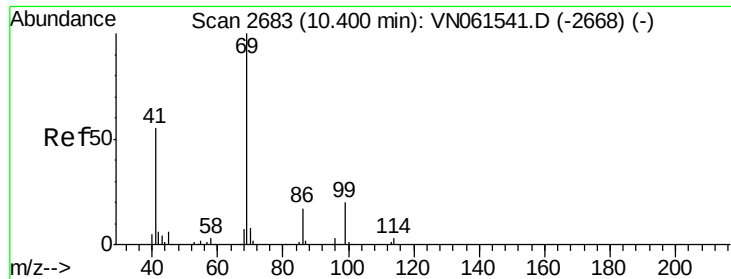
Delta R.T. 0.00 min

Lab File: VN061552.D

Acq: 29 May 2020 00:23

Tgt Ion:	97	Resp:	2839
Ion	Ratio	Lower	Upper
97	100		
83	82.8	68.1	102.1
85	61.2	44.1	66.1
99	65.9	51.1	76.7





#56

Ethyl methacrylate

Concen: 0.673 ug/l

RT: 10.40 min Scan# 2684

Delta R.T. 0.00 min

Lab File: VN061552.D

Acq: 29 May 2020 00:23

Instrument :

MSVOA_N

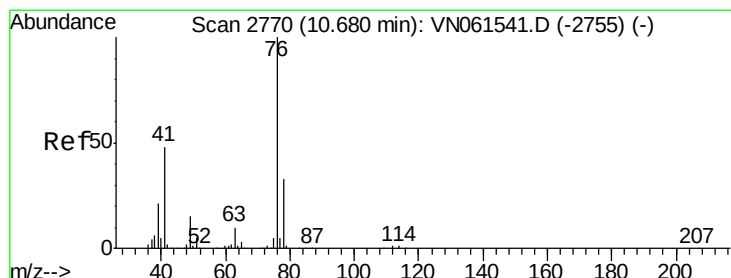
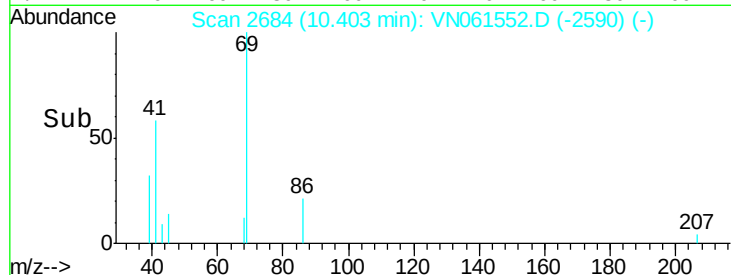
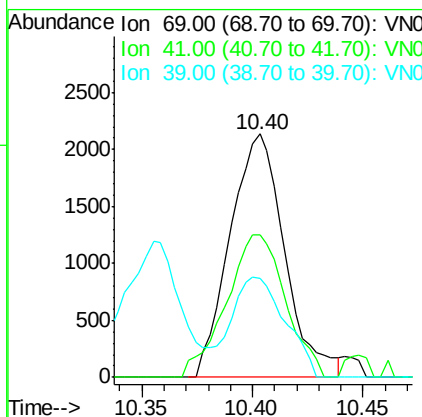
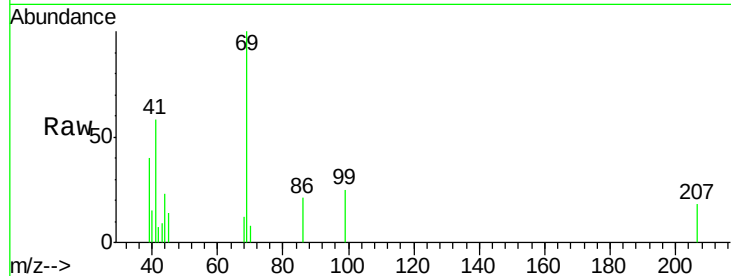
ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion:	69	Resp:	3676
Ion	Ratio	Lower	Upper
69	100		
41	63.5	43.5	65.3
39	40.6	27.0	40.6#

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#57

1,3-Dichloropropane

Concen: 0.791 ug/l

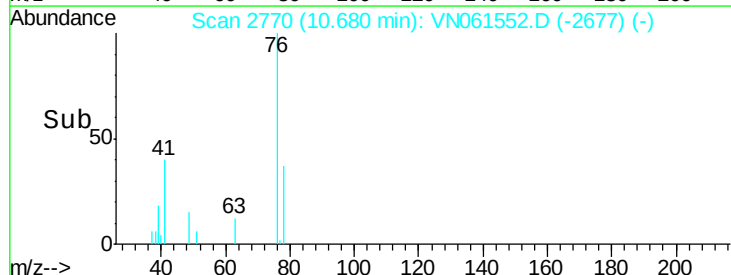
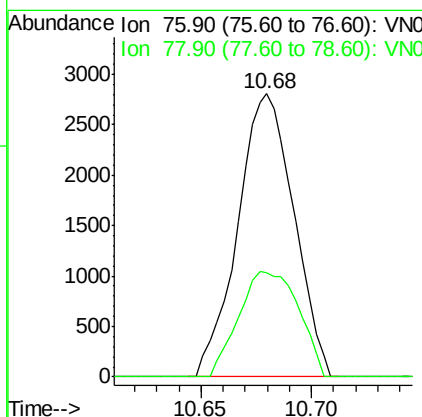
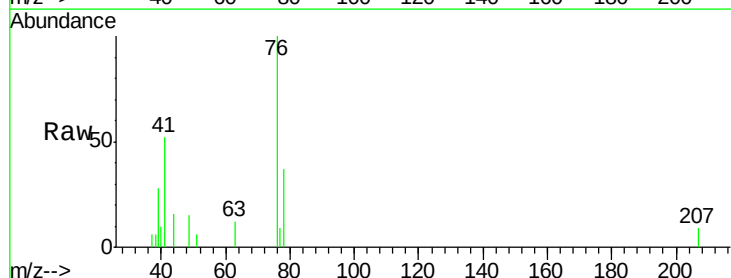
RT: 10.68 min Scan# 2770

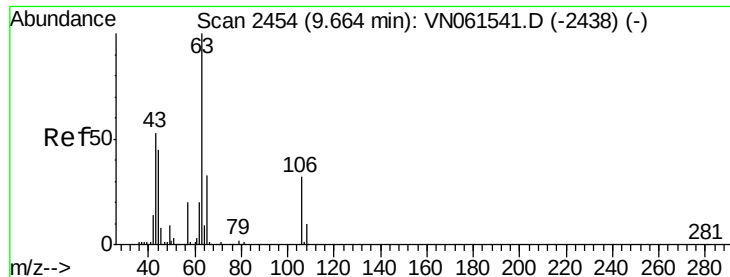
Delta R.T. 0.00 min

Lab File: VN061552.D

Acq: 29 May 2020 00:23

Tgt Ion:	76	Resp:	4945
Ion	Ratio	Lower	Upper
76	100		
78	39.8	26.3	39.5#





#58

2-Chloroethyl Vinyl ether

Concen: 3.726 ug/l

RT: 9.67 min Scan# 2455

Delta R.T. 0.00 min

Lab File: VN061552.D

Acq: 29 May 2020 00:23

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion: 63 Resp: 8697

Ion Ratio Lower Upper

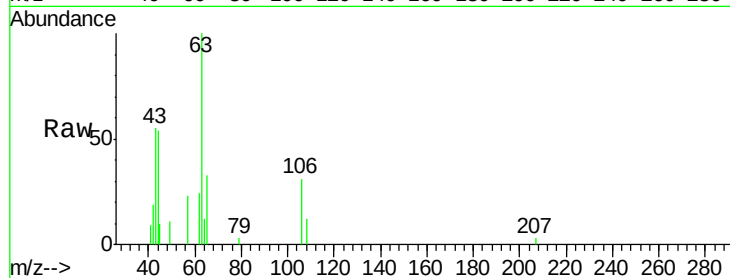
63 100

106 31.8 25.9 38.9

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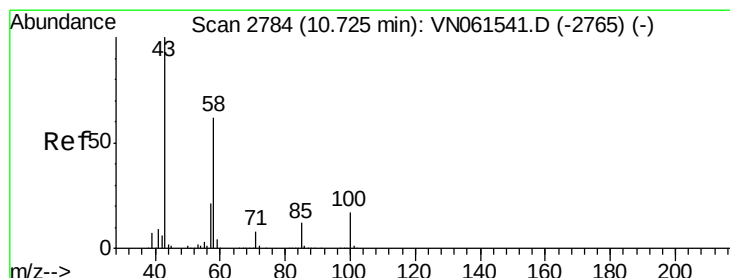
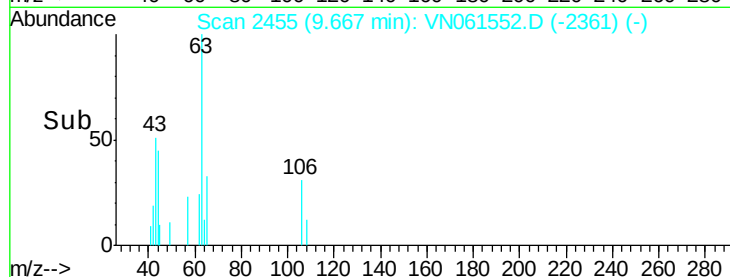
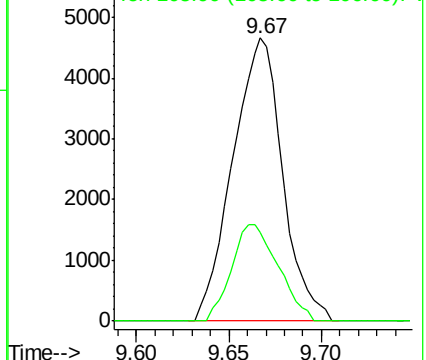
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V



#59

2-Hexanone

Concen: 3.670 ug/l

RT: 10.72 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VN061552.D

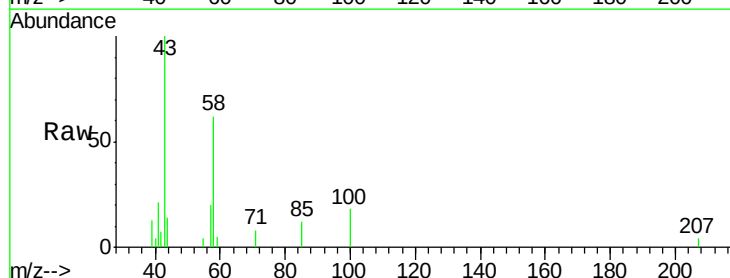
Acq: 29 May 2020 00:23

Tgt Ion: 43 Resp: 10489

Ion Ratio Lower Upper

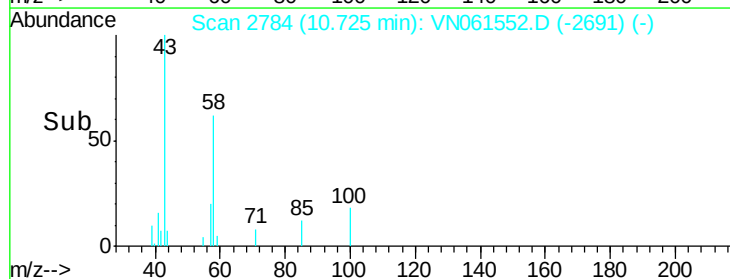
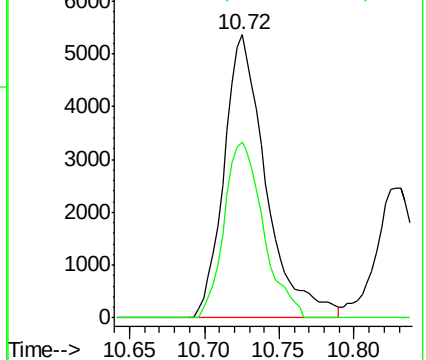
43 100

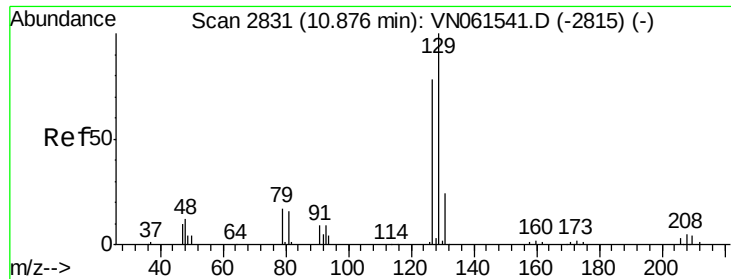
58 57.8 30.7 92.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





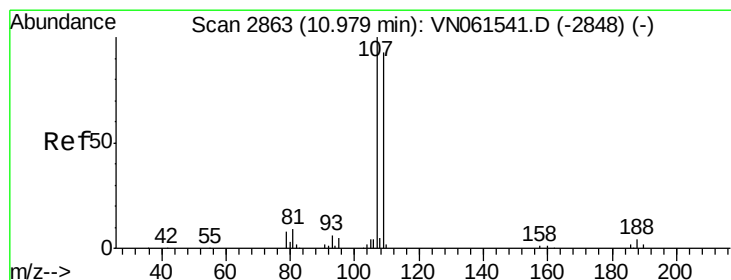
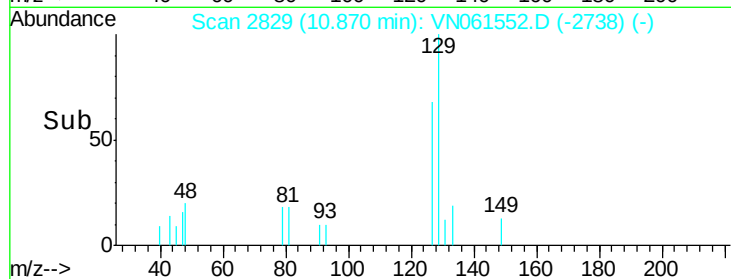
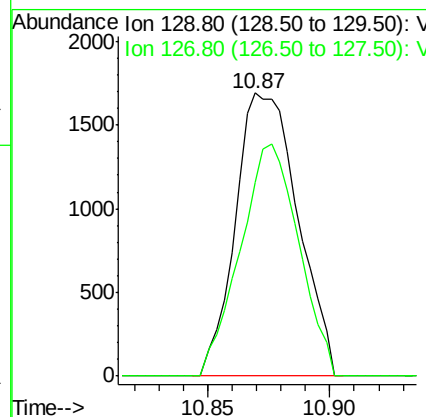
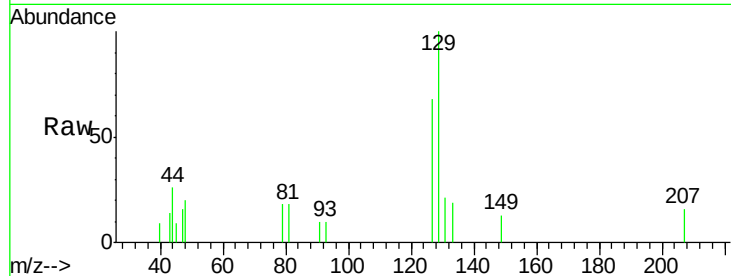
#60
 Dibromochloromethane
 Concen: 0.674 ug/l
 RT: 10.87 min Scan# 2829
 Delta R.T. -0.01 min
 Lab File: VN061552.D
 Acq: 29 May 2020 00:23

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT2-2020

Tot Ion	Ratio	Lower	Upper
129	100		
127	76.7	38.8	116.3

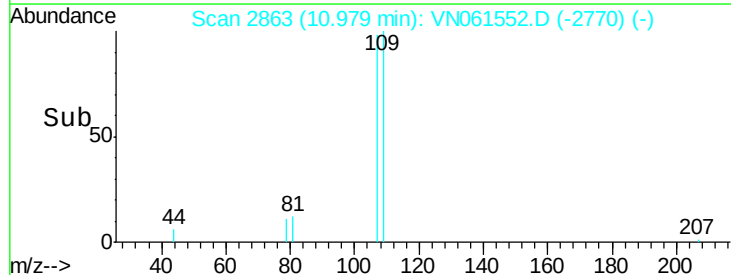
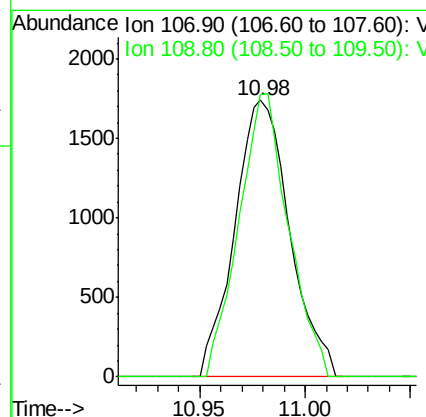
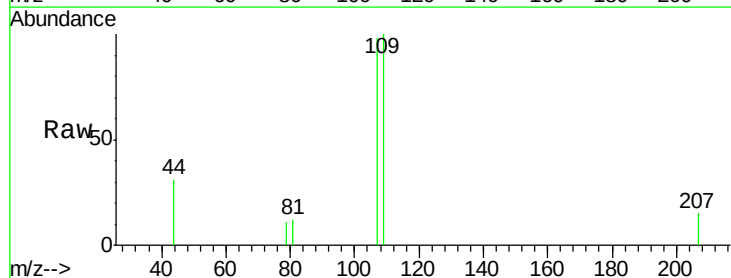
Manual Integrations
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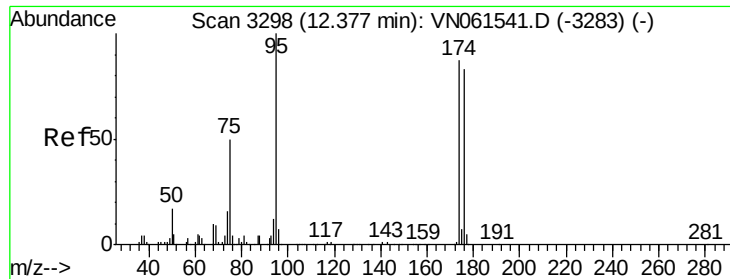
MMDadoda
 5/29/2020 5:50:33 PM



#61
 1,2-Dibromoethane
 Concen: 0.774 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VN061552.D
 Acq: 29 May 2020 00:23

Tgt Ion	Ratio	Lower	Upper
107	100		
109	91.8	76.1	114.1





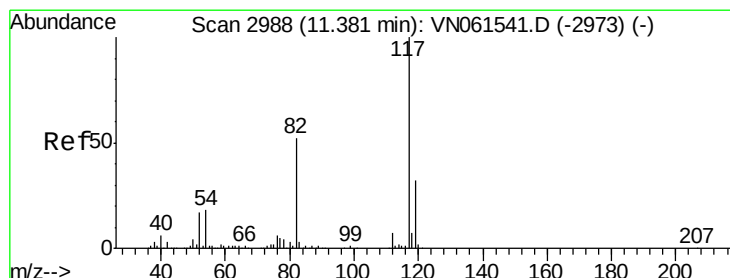
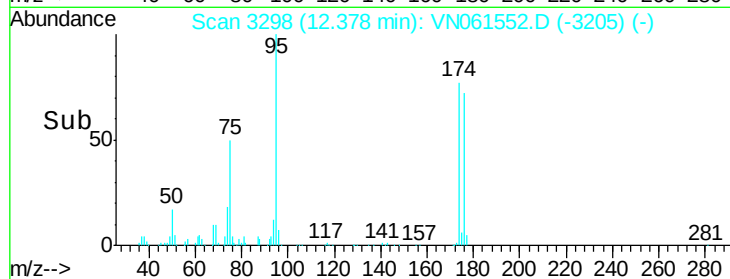
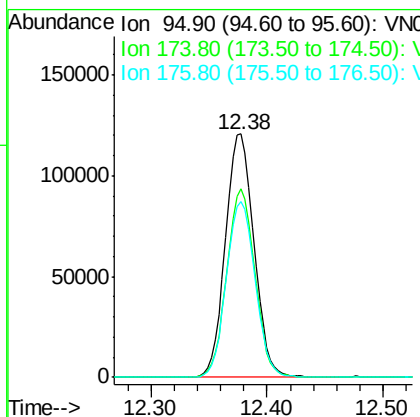
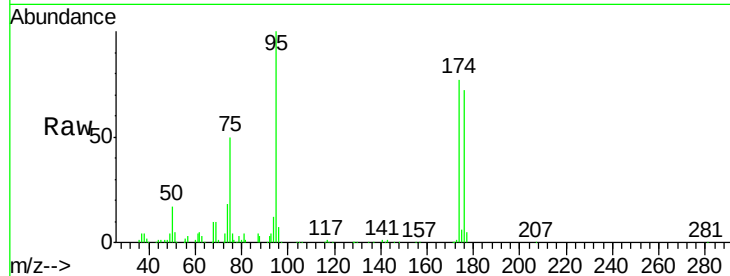
#62
4-Bromofluorobenzene
Concen: 43.549 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN061552.D
Acq: 29 May 2020 00:23

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2020

Tot Ion	Ratio	Resp	Lower	Upper
95	100	205634		
174	76.2	0.0	172.8	
176	72.9	0.0	164.8	

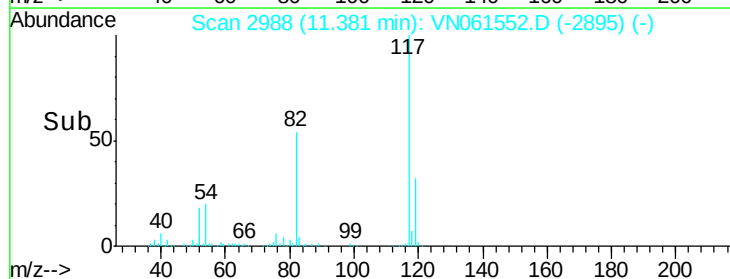
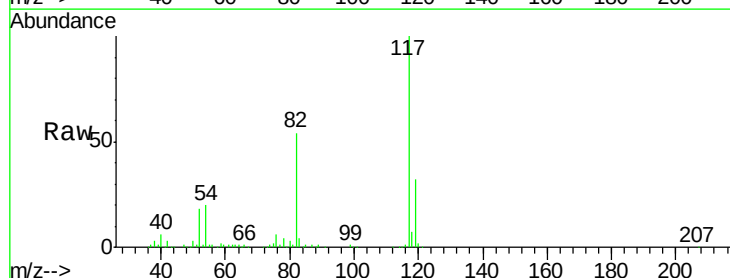
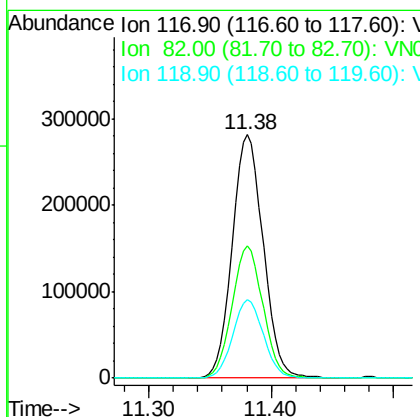
Manual Integrations
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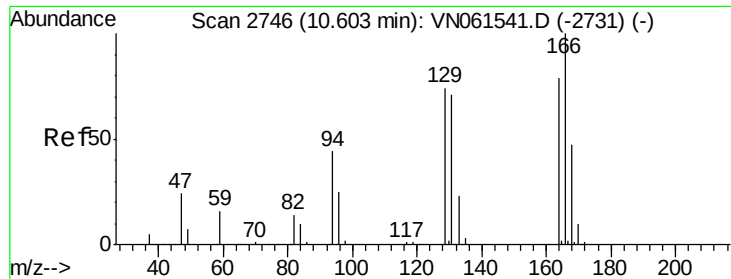
MMDadoda
5/29/2020 5:50:33 PM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061552.D
Acq: 29 May 2020 00:23

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	498059		
82	54.4	41.5	62.3	
119	32.1	25.6	38.4	





#64

Tetrachloroethene

Concen: 0.840 ug/l

RT: 10.60 min Scan# 2746

Delta R.T. 0.00 min

Lab File: VN061552.D

Acq: 29 May 2020 00:23

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion:164 Resp: 3938

Ion Ratio Lower Upper

164 100

166 133.4 101.5 152.3

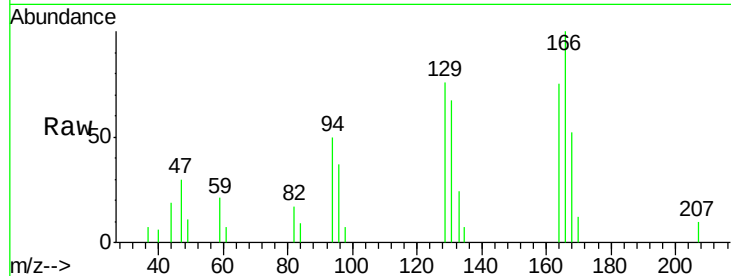
129 101.5 74.9 112.3

131 89.5 72.2 108.2

Manual Integrations
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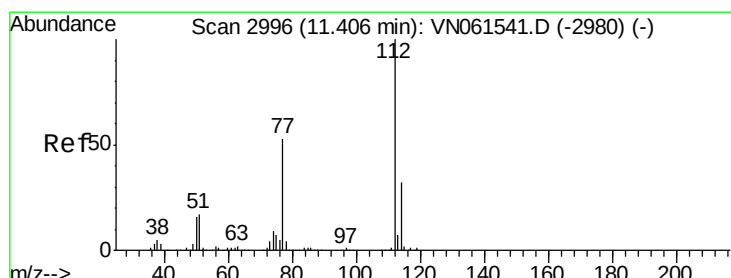
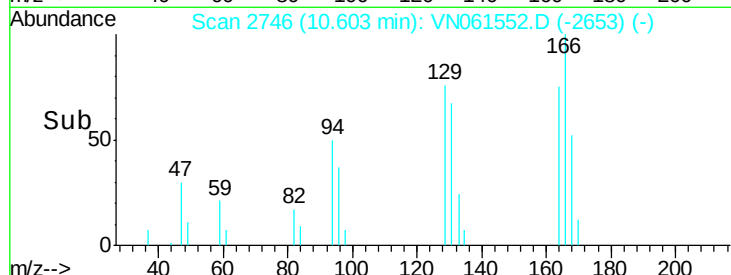
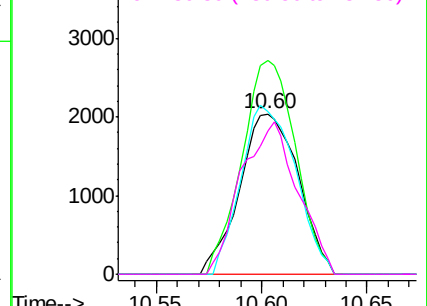


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 0.838 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN061552.D

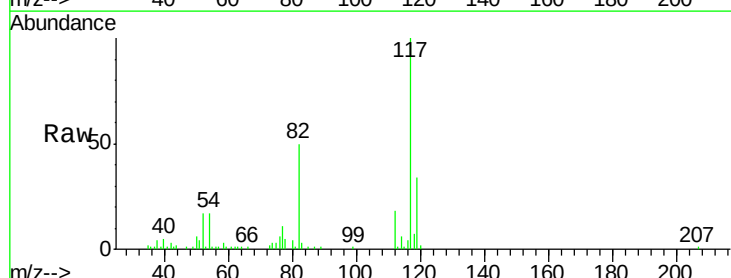
Acq: 29 May 2020 00:23

Tgt Ion:112 Resp: 8672

Ion Ratio Lower Upper

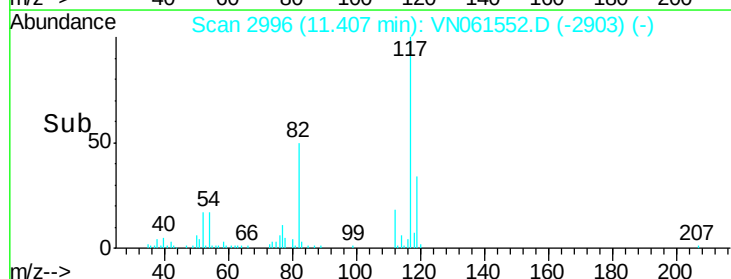
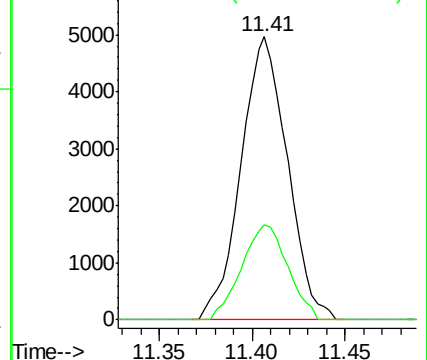
112 100

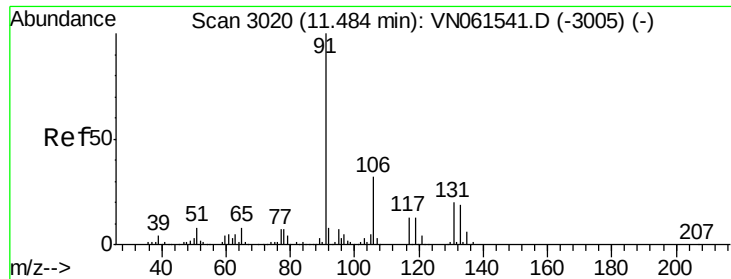
114 33.5 25.7 38.5



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: 0.708 ug/l

RT: 11.49 min Scan# 3021

Delta R.T. 0.00 min

Lab File: VN061552.D

Acq: 29 May 2020 00:23

Instrument :

MSVOA_N

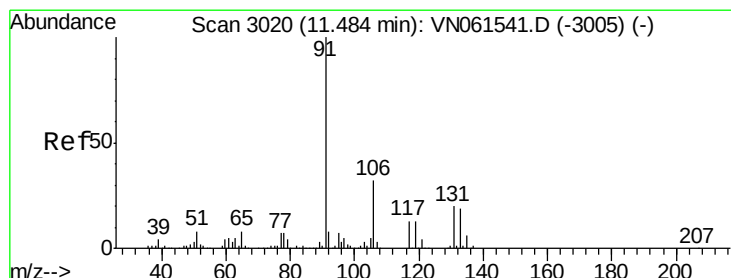
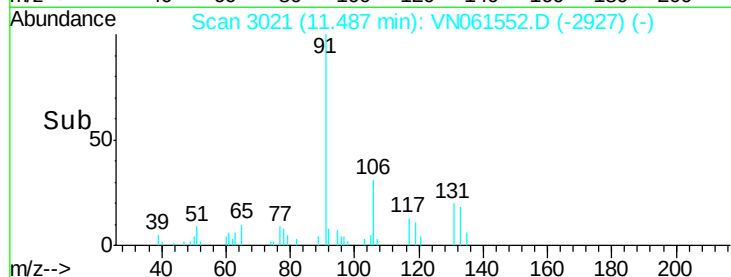
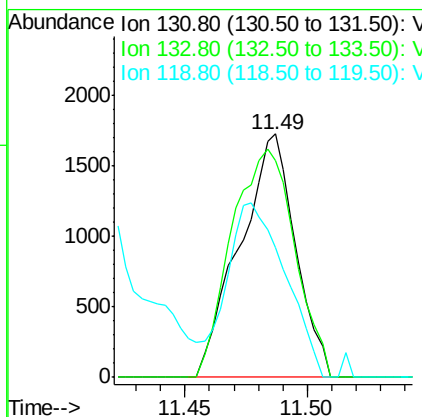
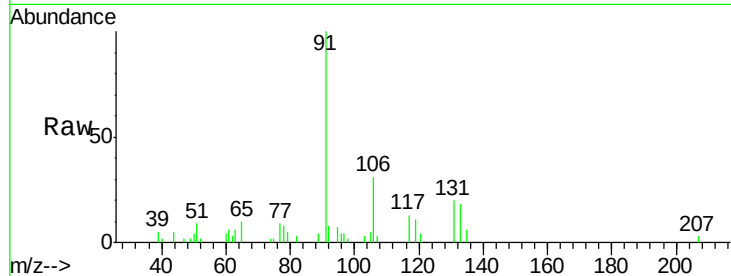
ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion	Ratio	Lower	Upper
131	100		
133	106.5	47.4	142.2
119	0.0	32.6	97.8#

Manual Integrations
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5/29/2020 5:50:33 PM



#67

Ethyl Benzene

Concen: 0.822 ug/l

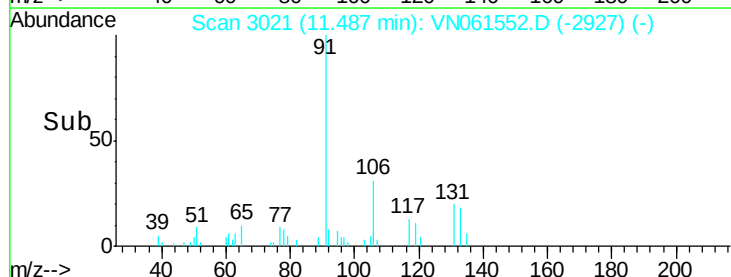
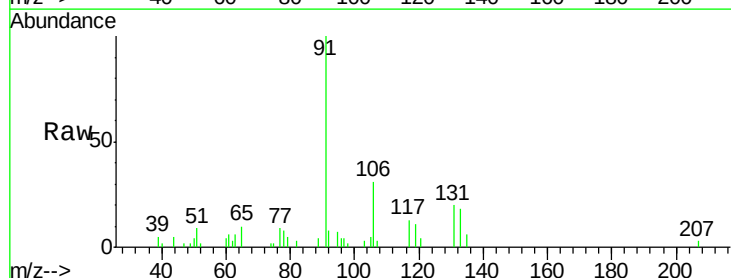
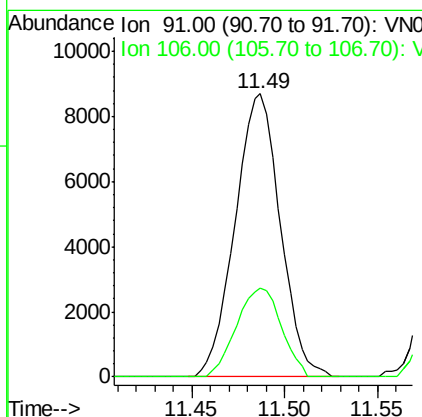
RT: 11.49 min Scan# 3021

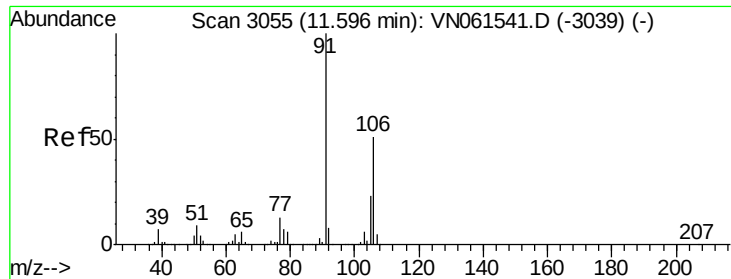
Delta R.T. 0.00 min

Lab File: VN061552.D

Acq: 29 May 2020 00:23

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.3	25.6	38.4





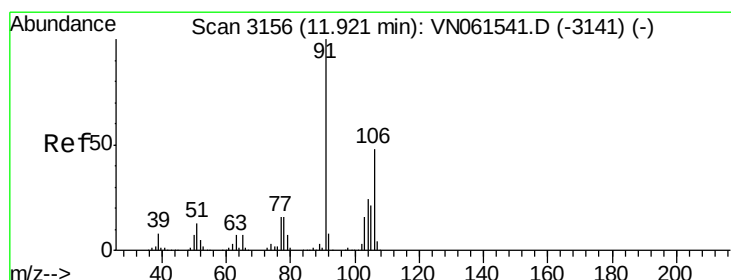
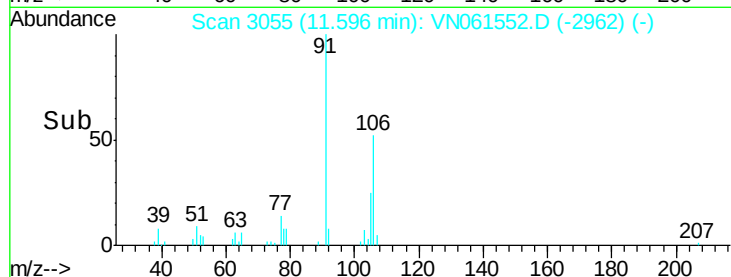
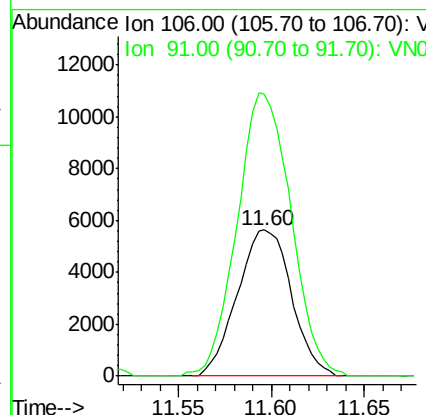
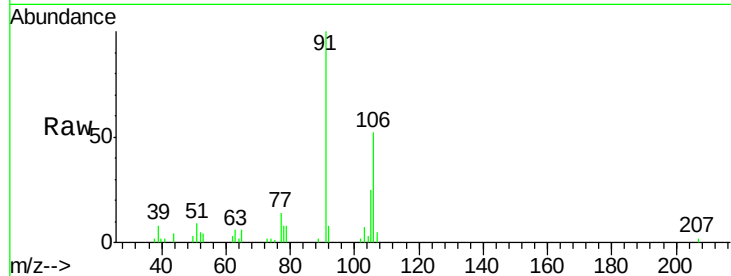
#68
m/p-Xylenes
Concen: 1.616 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN061552.D
Acq: 29 May 2020 00:23

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2020

Tot Ion:106 Resp: 11463
Ion Ratio Lower Upper
106 100
91 192.8 156.2 234.4

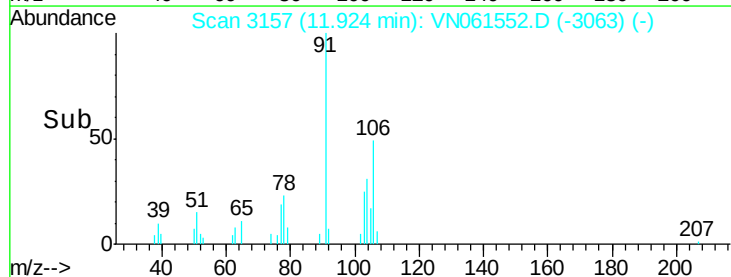
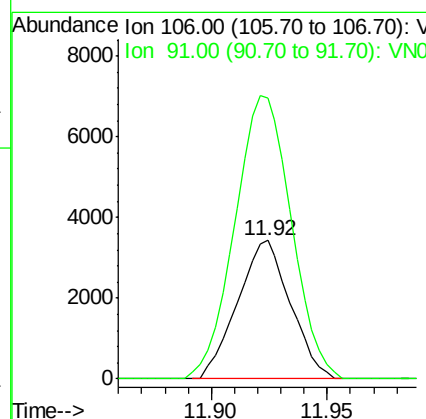
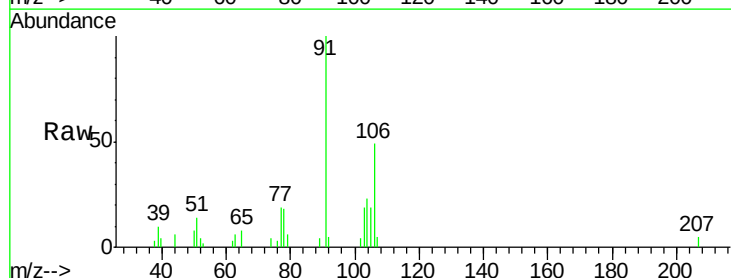
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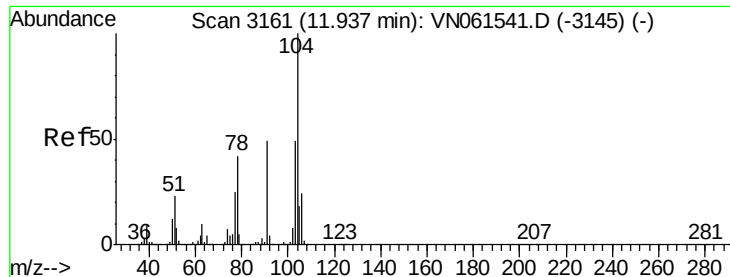
MMDadoda
5/29/2020 5:50:33 PM



#69
o-Xylene
Concen: 0.806 ug/l
RT: 11.92 min Scan# 3157
Delta R.T. 0.00 min
Lab File: VN061552.D
Acq: 29 May 2020 00:23

Tgt Ion:106 Resp: 5433
Ion Ratio Lower Upper
106 100
91 218.4 103.3 309.8





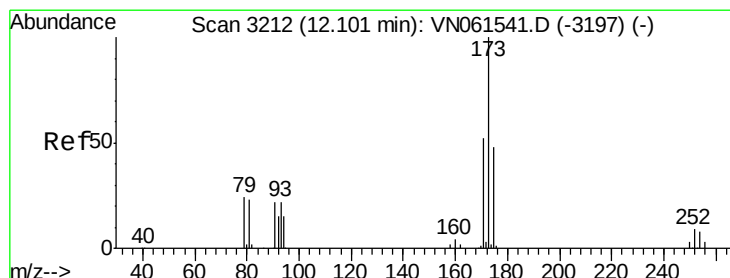
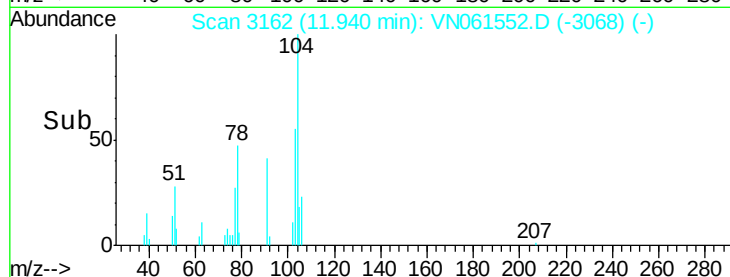
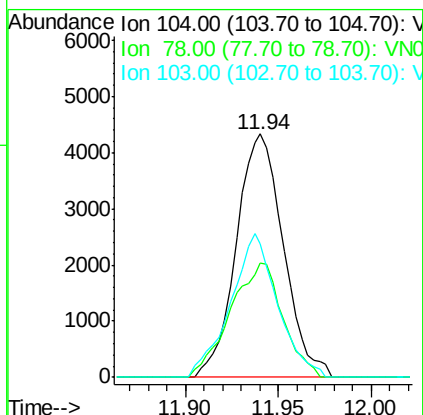
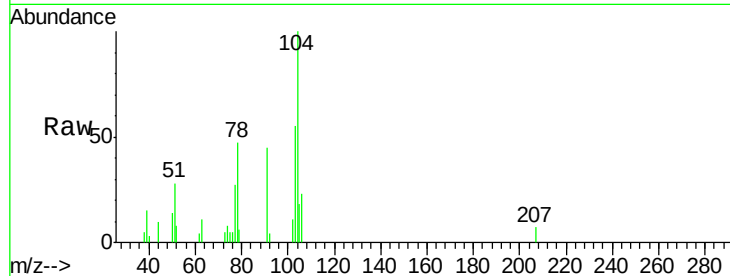
#70
Stvrene
Concen: 0.684 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN061552.D
Acq: 29 May 2020 00:23

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2020

Tot Ion:	104	Resp:	7635
Ion Ratio	Lower	Upper	
104	100		
78	52.1	37.4	56.0
103	59.0	42.3	63.5

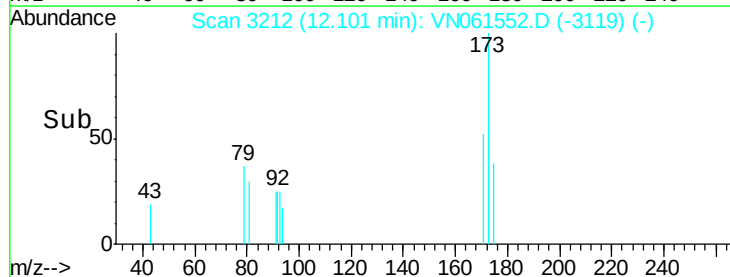
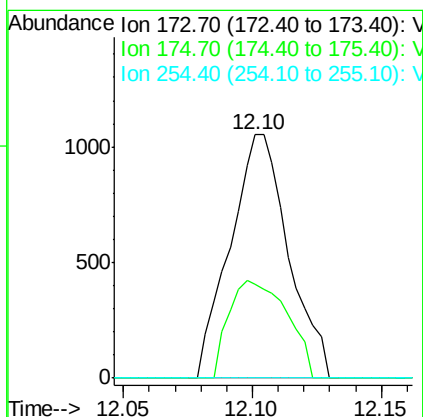
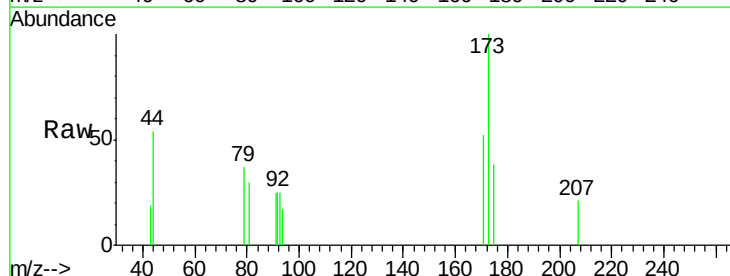
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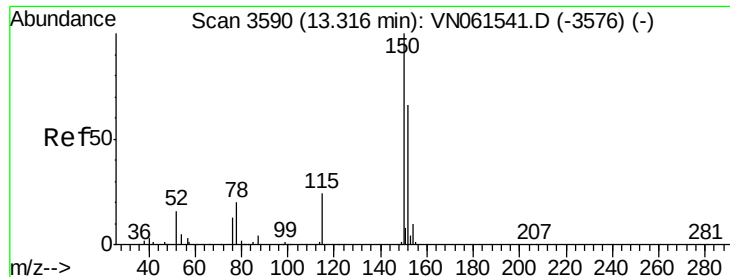
MMDadoda
5/29/2020 5:50:33 PM



#71
Bromoform
Concen: 0.557 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. 0.00 min
Lab File: VN061552.D
Acq: 29 May 2020 00:23

Tgt Ion:	173	Resp:	1656
Ion Ratio	Lower	Upper	
173	100		
175	40.0	24.4	73.2
254	0.0	0.0	0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN061552.D

Acq: 29 May 2020 00:23

Instrument :

MSVOA_N

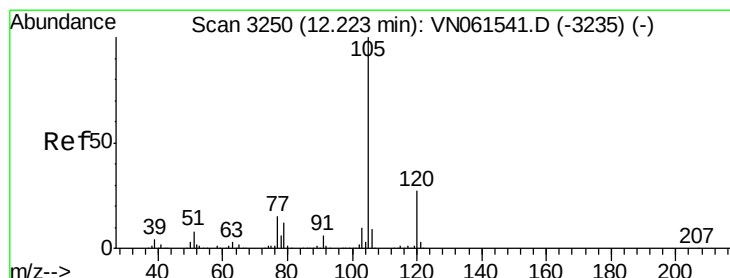
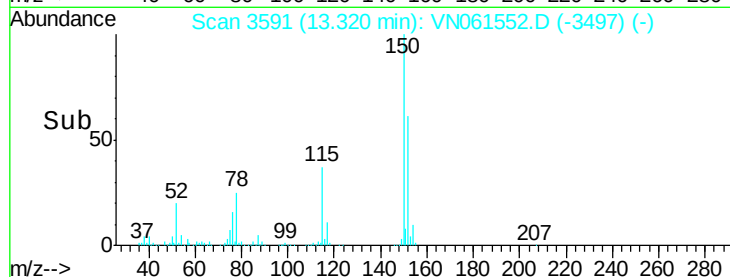
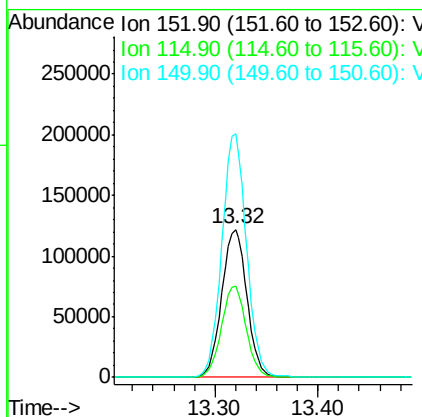
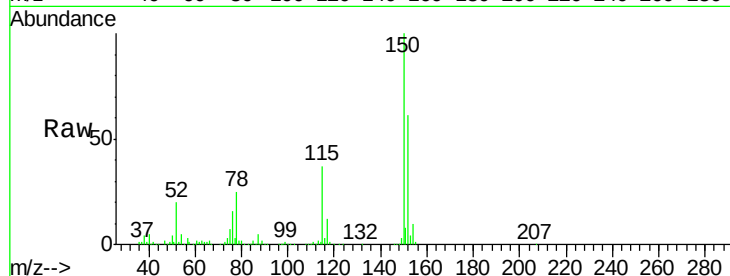
ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion:	152	Resp:	207777
Ion	Ratio	Lower	Upper
152	100		
115	60.0	28.0	84.0
150	160.5	0.0	344.0

Manual Integrations
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5/29/2020 5:50:33 PM



#73

Isopropylbenzene

Concen: 0.928 ug/l

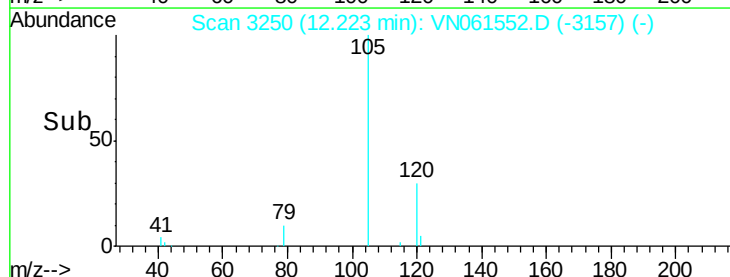
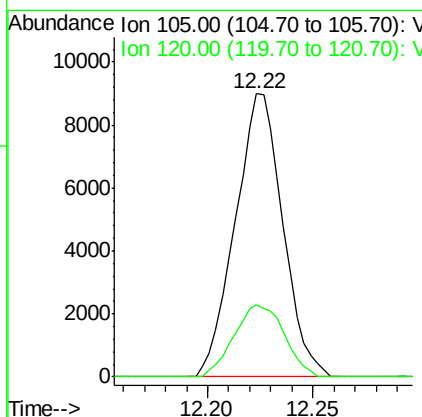
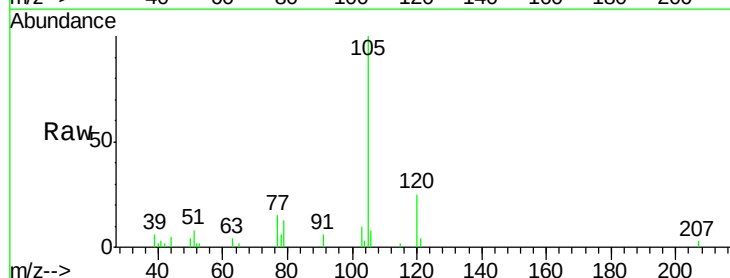
RT: 12.22 min Scan# 3250

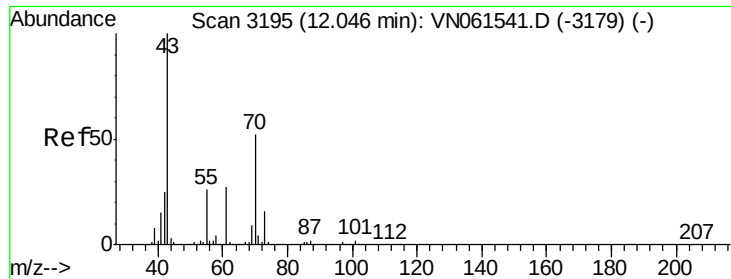
Delta R.T. 0.00 min

Lab File: VN061552.D

Acq: 29 May 2020 00:23

Tgt Ion:	105	Resp:	14075
Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.8	41.3





#74

N-amvl acetate

Concen: 0.706 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN061552.D

Acq: 29 May 2020 00:23

Instrument :

MSVOA_N

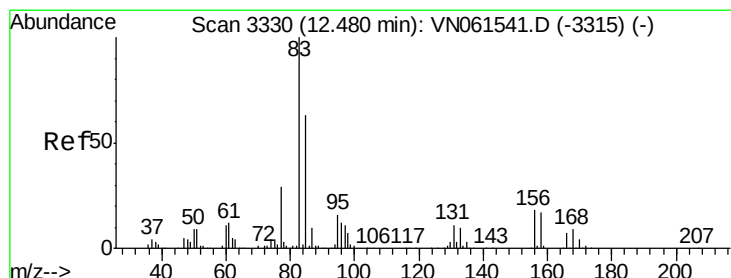
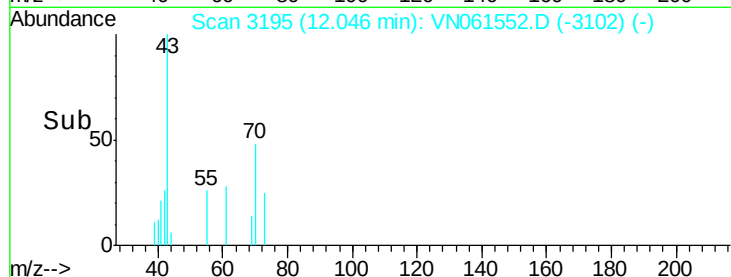
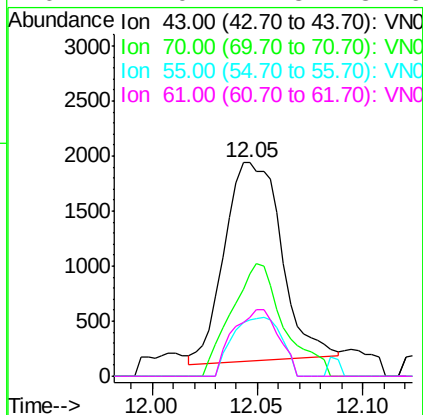
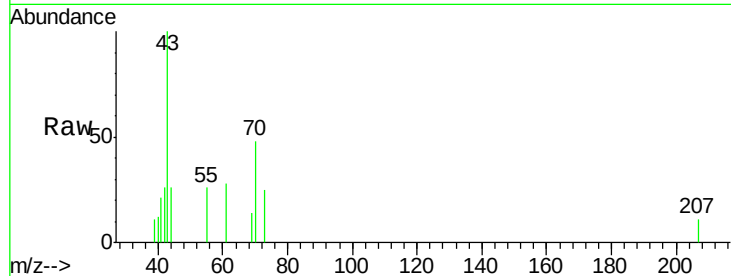
ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
70	52.2	40.5	60.7	
55	25.7	20.6	31.0	
61	27.0	21.8	32.6	

Manual Integrations
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#75

1,1,2,2-Tetrachloroethane

Concen: 0.909 ug/l

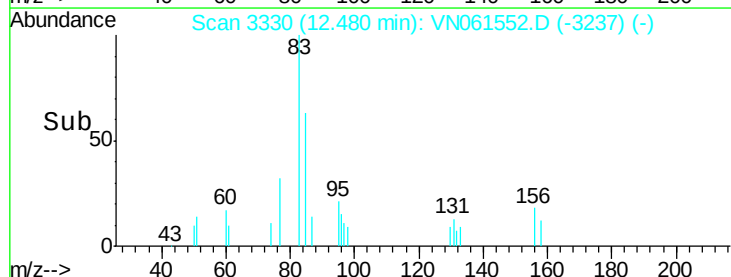
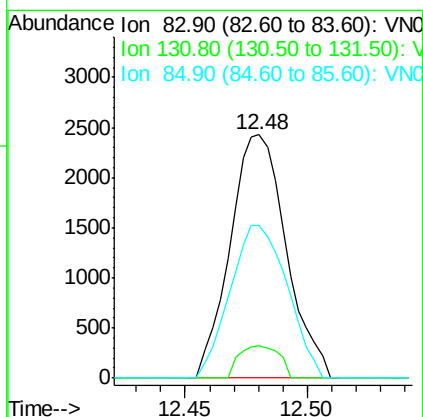
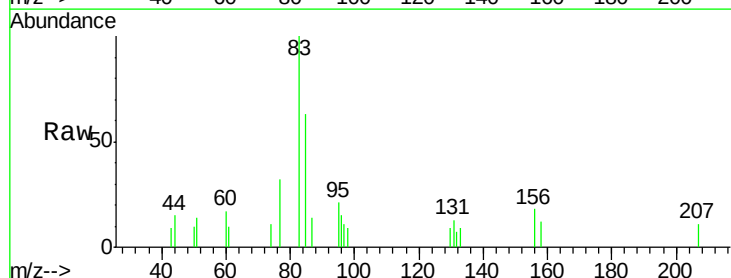
RT: 12.48 min Scan# 3330

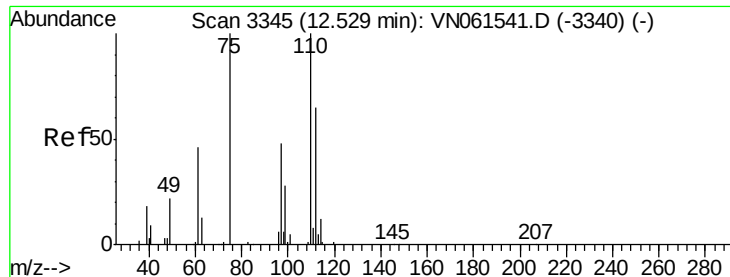
Delta R.T. 0.00 min

Lab File: VN061552.D

Acq: 29 May 2020 00:23

Tgt Ion	Ion	Ratio	Lower	Upper
83	100			
131	9.4	5.5	16.5	
85	64.3	32.1	96.3	





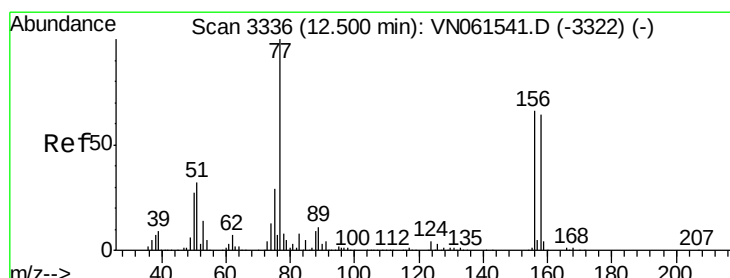
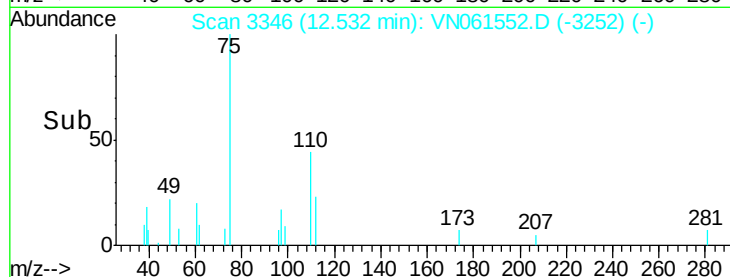
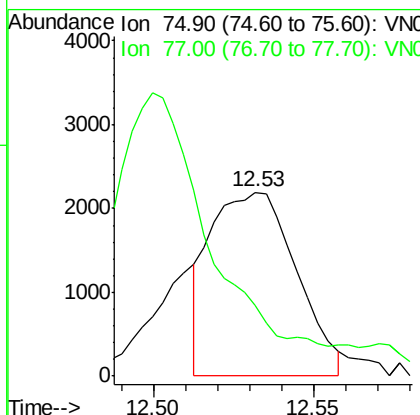
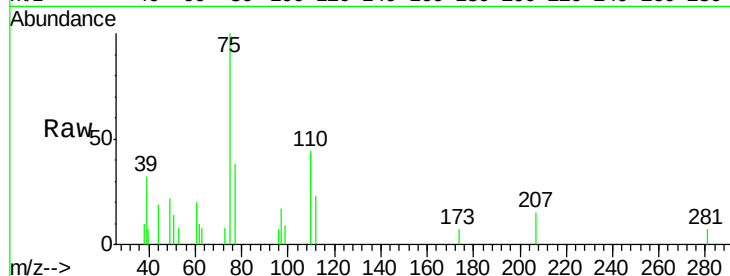
#76
1,2,3-Trichloropropane
Concen: 1.070 ug/l m
RT: 12.53 min Scan# 3346
Delta R.T. 0.00 min
Lab File: VN061552.D
Acq: 29 May 2020 00:23

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2020

Tot Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

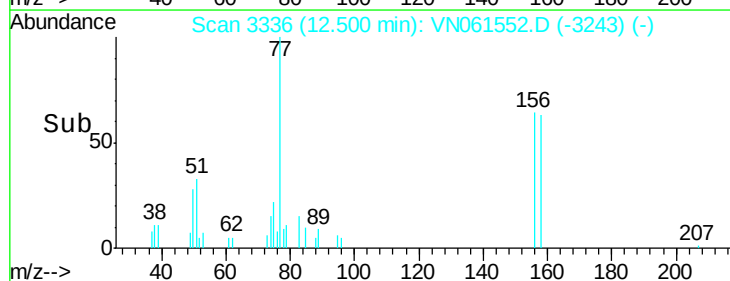
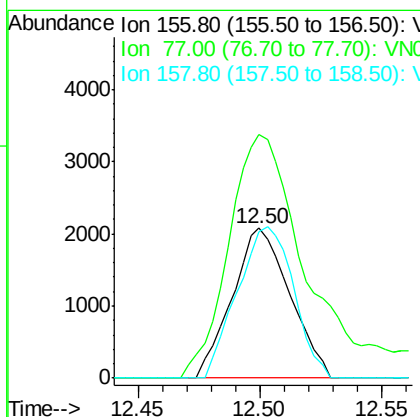
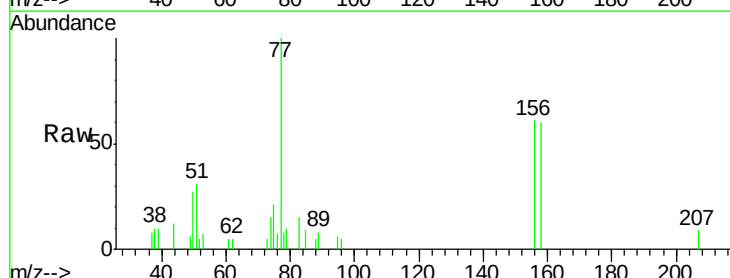
Manual Integrations
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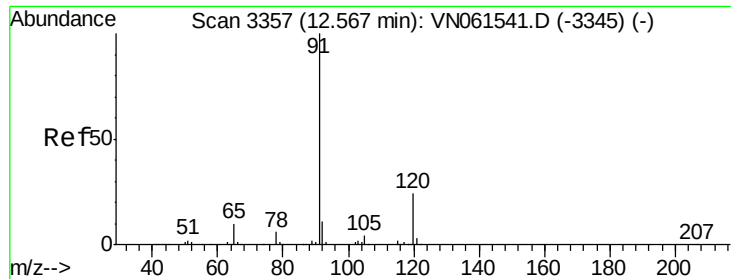
MMDadoda
5/29/2020 5:50:33 PM



#77
Bromobenzene
Concen: 0.876 ug/l
RT: 12.50 min Scan# 3336
Delta R.T. 0.00 min
Lab File: VN061552.D
Acq: 29 May 2020 00:23

Tgt Ion	Ratio	Lower	Upper
156	100		
77	224.6	90.9	272.7
158	99.1	48.4	145.3





#78

n-propylbenzene

Concen: 0.902 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN061552.D

Acq: 29 May 2020 00:23

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion: 91 Resp: 15271

Ion Ratio Lower Upper

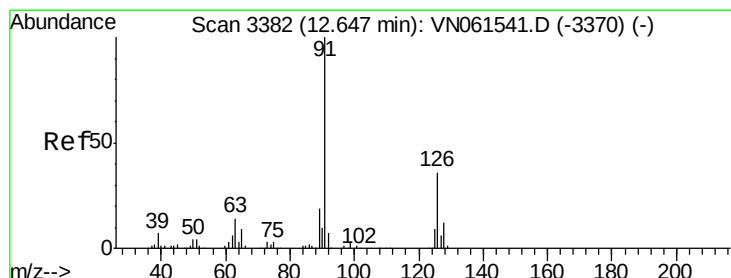
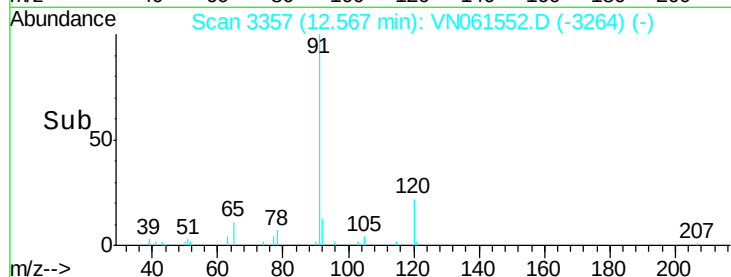
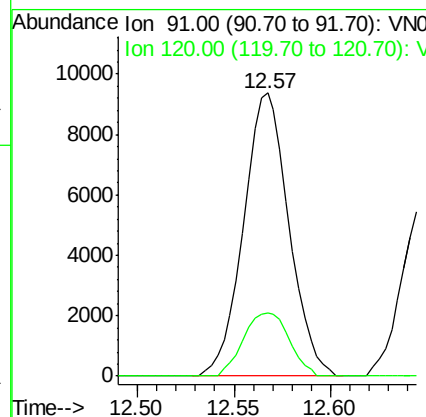
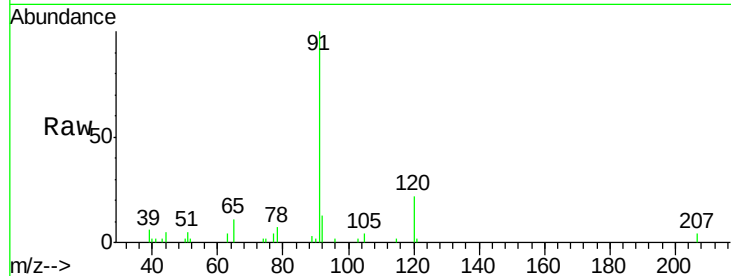
91 100

120 22.5 12.3 36.9

Manual Integrations
APPROVED

MMDadoda

5/29/2020 5:50:33 PM



#79

2-Chlorotoluene

Concen: 0.972 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. 0.00 min

Lab File: VN061552.D

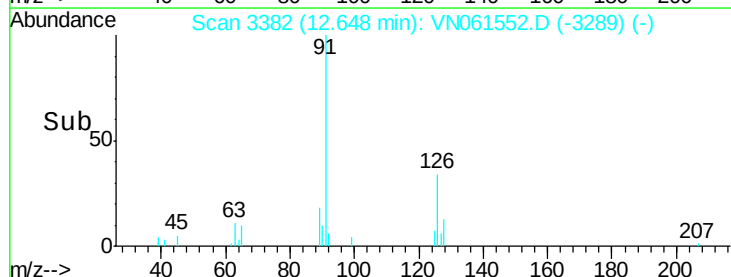
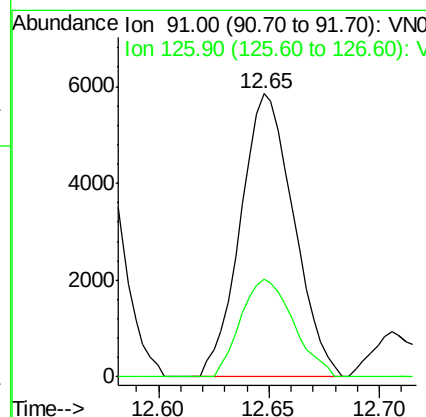
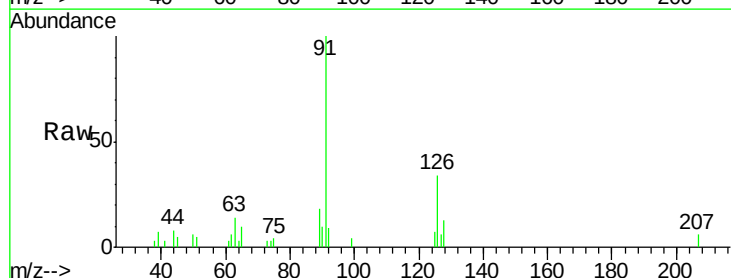
Acq: 29 May 2020 00:23

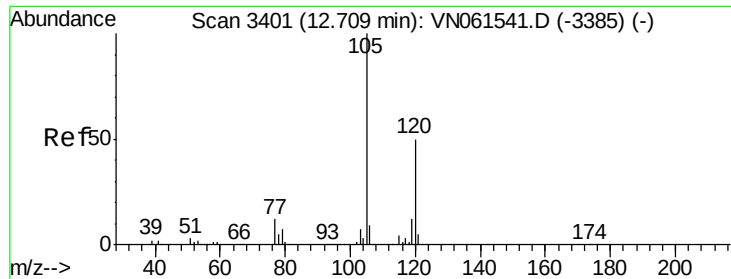
Tgt Ion: 91 Resp: 9813

Ion Ratio Lower Upper

91 100

126 34.0 17.9 53.7





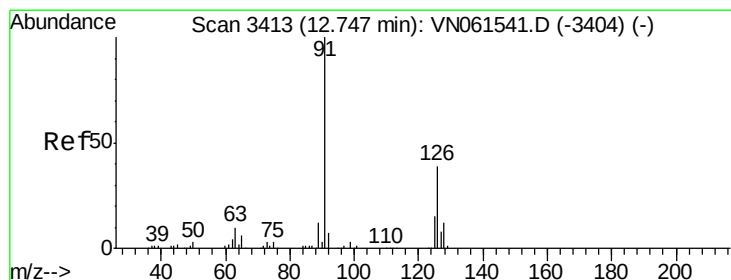
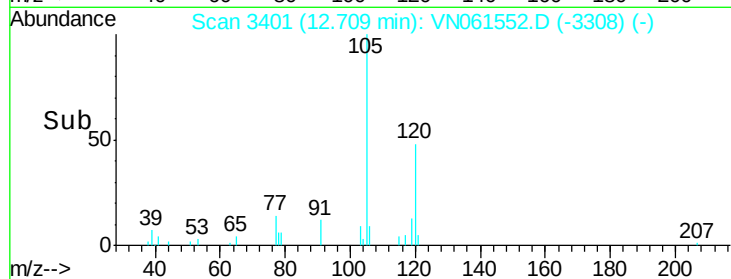
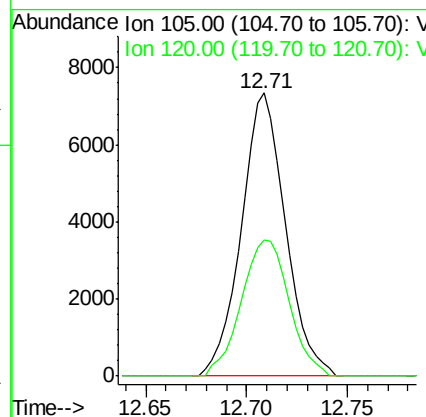
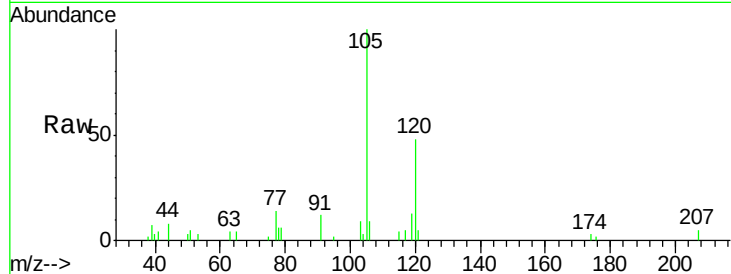
#80
 1,3,5-Trimethylbenzene
 Concen: 0.888 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. 0.00 min
 Lab File: VN061552.D
 Acq: 29 May 2020 00:23

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT2-2020

Tot Ion:105 Resp: 11256
 Ion Ratio Lower Upper
 105 100
 120 52.1 25.1 75.2

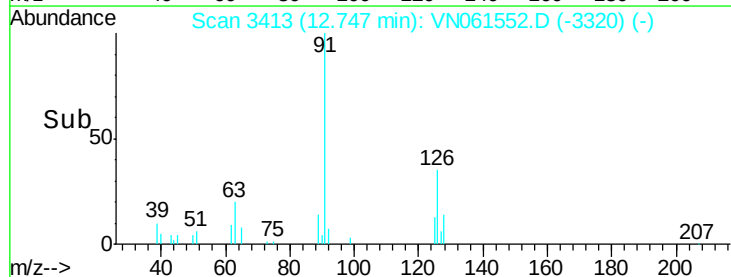
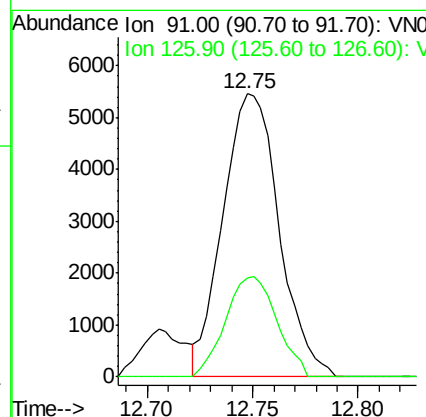
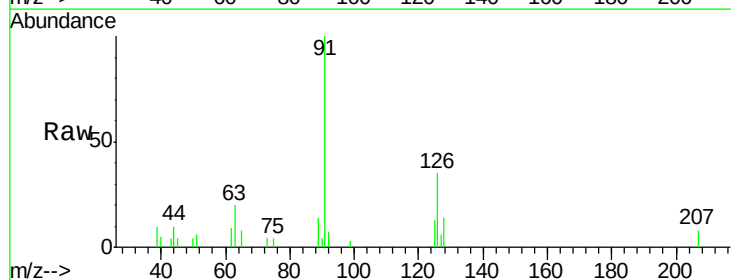
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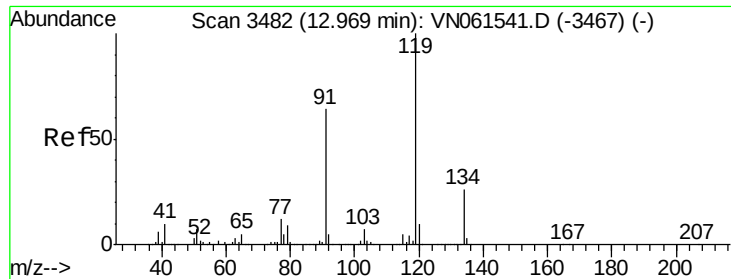
MMDadoda
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#82
 4-Chlorotoluene
 Concen: 0.951 ug/l
 RT: 12.75 min Scan# 3413
 Delta R.T. 0.00 min
 Lab File: VN061552.D
 Acq: 29 May 2020 00:23

Tgt Ion: 91 Resp: 10096
 Ion Ratio Lower Upper
 91 100
 126 32.4 17.5 52.6





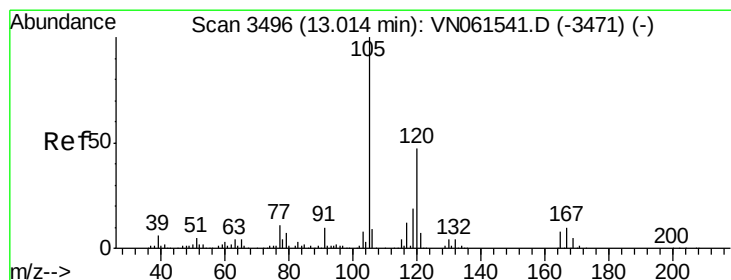
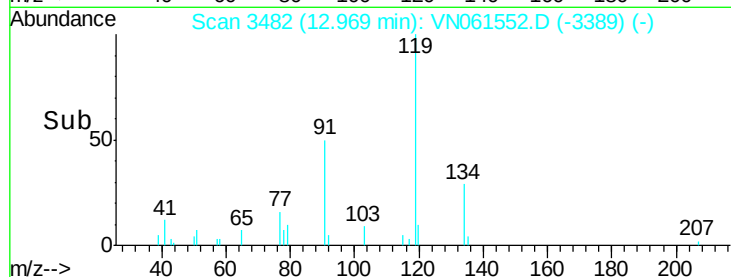
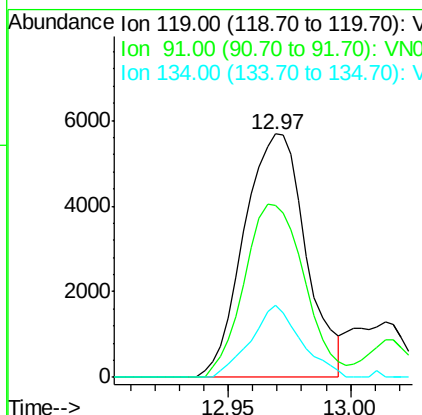
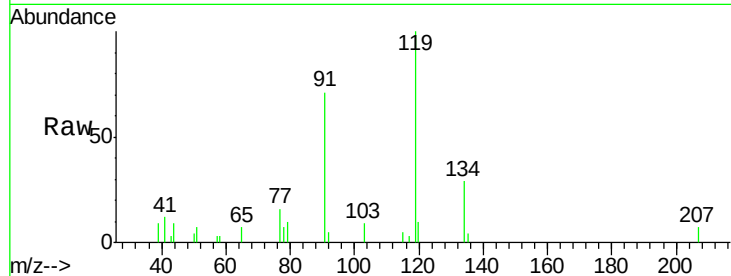
#83
 tert-Butylbenzene
 Concen: 0.894 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. 0.00 min
 Lab File: VN061552.D
 Acq: 29 May 2020 00:23

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT2-2020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	10010		
91	69.0		31.3	93.8
134	24.1		13.5	40.4

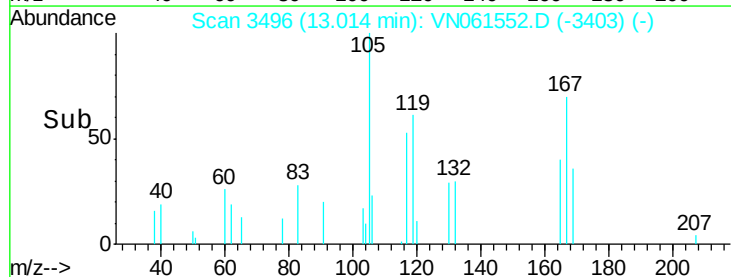
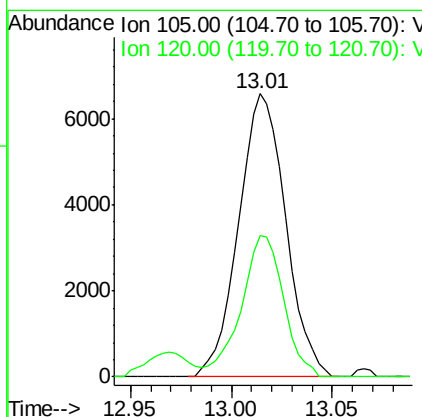
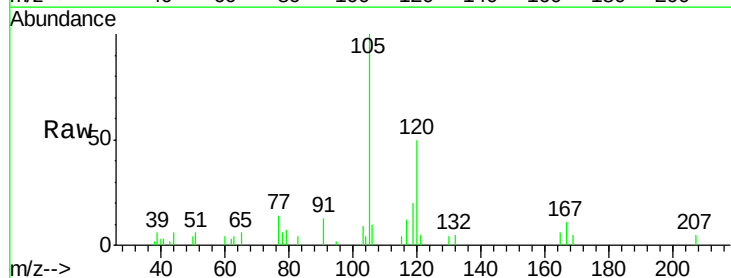
Manual Integrations
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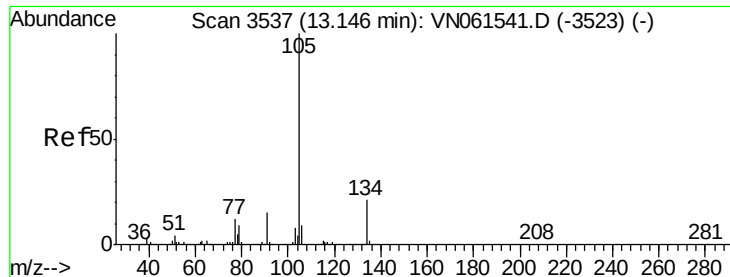
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 5/29/2020 5:50:33 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 0.854 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. 0.00 min
 Lab File: VN061552.D
 Acq: 29 May 2020 00:23

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	10752		
120	44.9		23.2	69.5





#85

sec-Butylbenzene

Concen: 0.905 ug/l

RT: 13.15 min Scan# 3538

Delta R.T. 0.00 min

Lab File: VN061552.D

Acq: 29 May 2020 00:23

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion:105 Resp: 13061

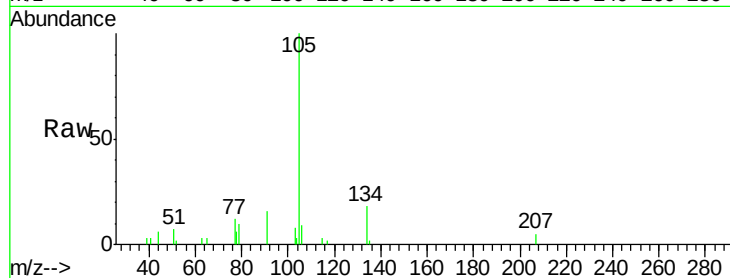
Ion Ratio Lower Upper

105 100

134 18.7 10.7 31.9

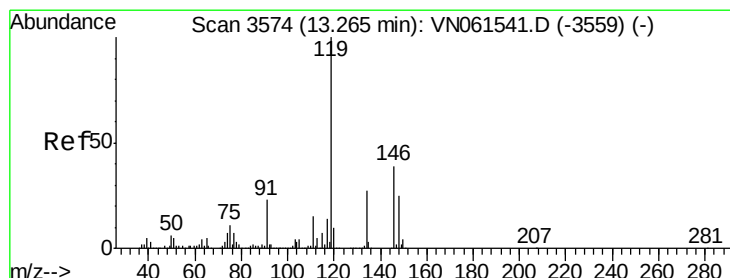
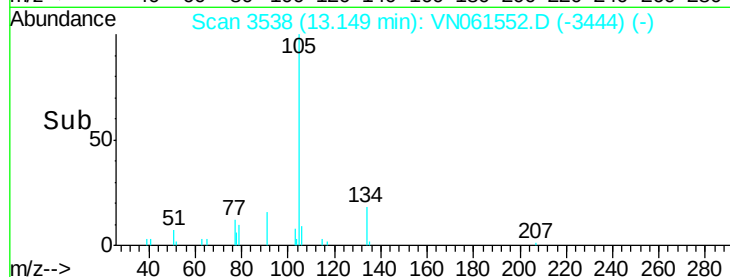
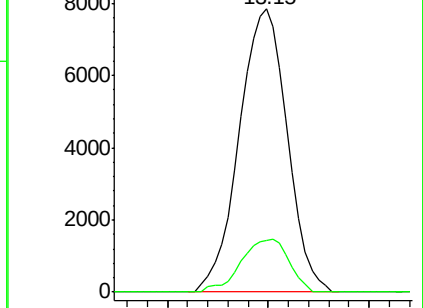
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.815 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN061552.D

Acq: 29 May 2020 00:23

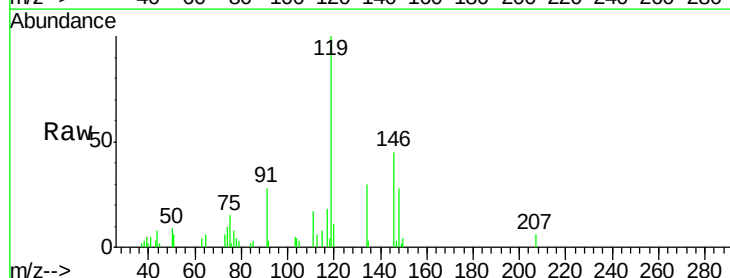
Tgt Ion:119 Resp: 10826

Ion Ratio Lower Upper

119 100

134 26.8 13.5 40.5

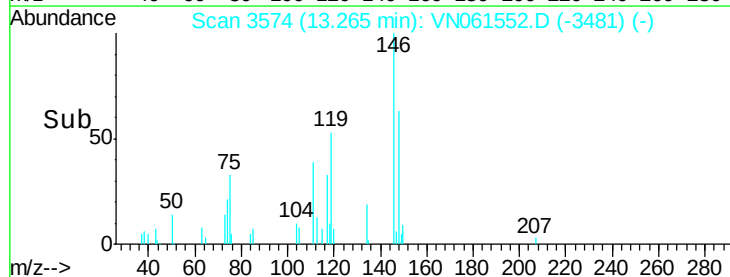
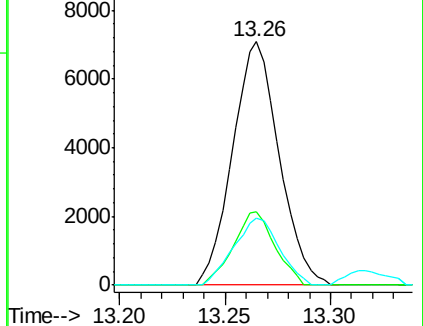
91 27.1 11.4 34.1

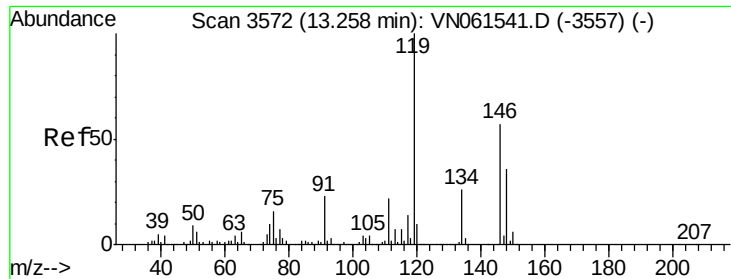


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





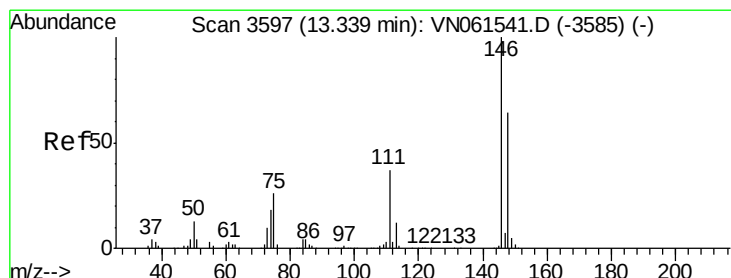
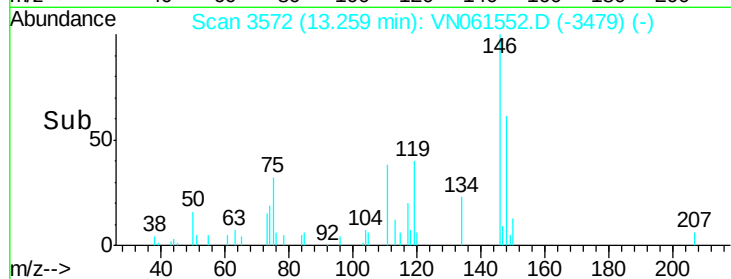
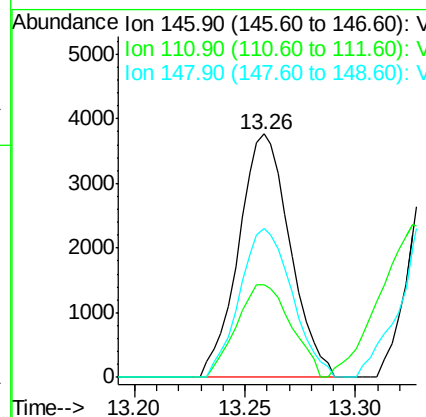
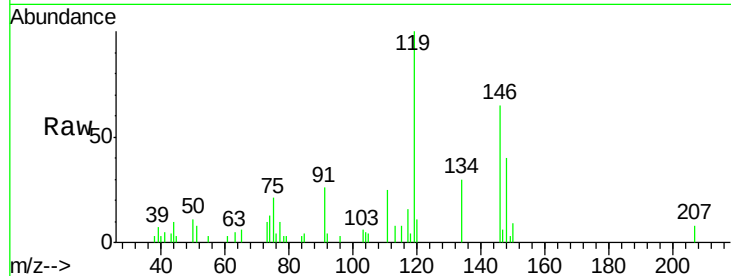
#87
 1,3-Dichlorobenzene
 Concen: 0.891 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN061552.D
 Acq: 29 May 2020 00:23

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT2-2020

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	19.2	57.6
148	62.3	31.7	95.1

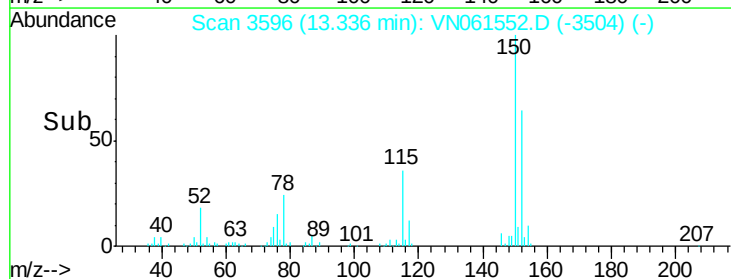
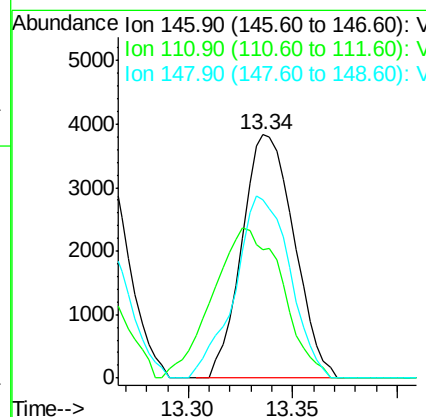
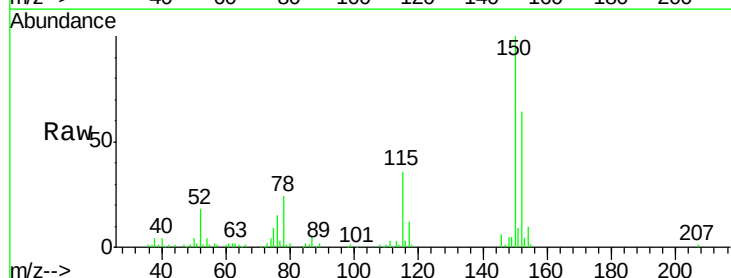
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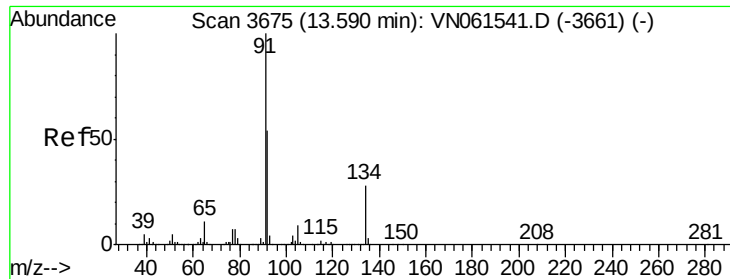
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 5/29/2020 5:50:33 PM



#88
 1,4-Dichlorobenzene
 Concen: 0.950 ug/l m
 RT: 13.34 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VN061552.D
 Acq: 29 May 2020 00:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.9	56.9
148	57.4	31.8	95.3





#89

n-Butylbenzene

Concen: 0.815 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. 0.00 min

Lab File: VN061552.D

Acq: 29 May 2020 00:23

Instrument :

MSVOA_N

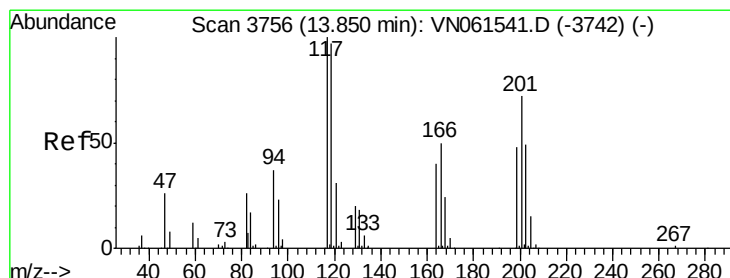
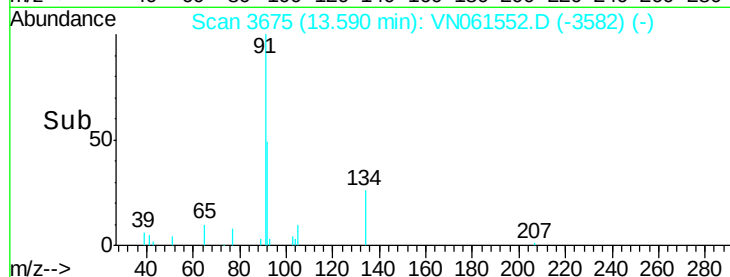
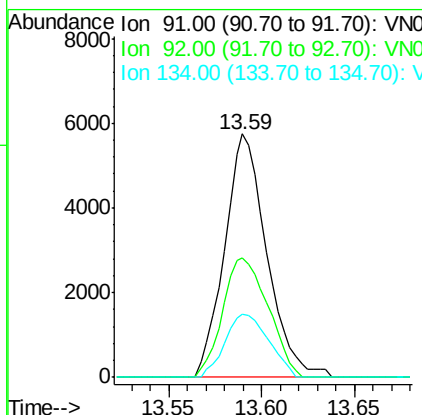
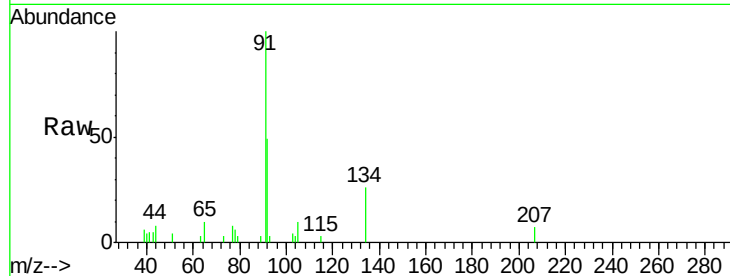
ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion:	91	Resp:	9075
Ion	Ratio	Lower	Upper
91	100		
92	52.8	27.2	81.6
134	26.9	14.0	42.0

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#90

Hexachloroethane

Concen: 0.699 ug/l

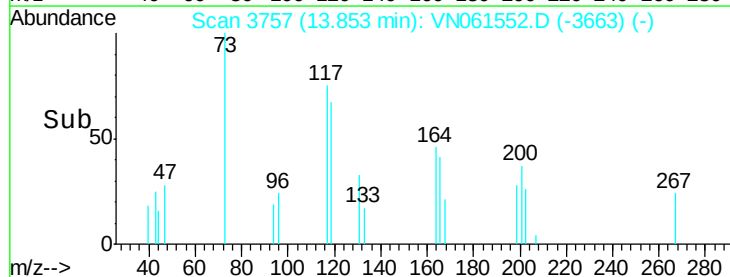
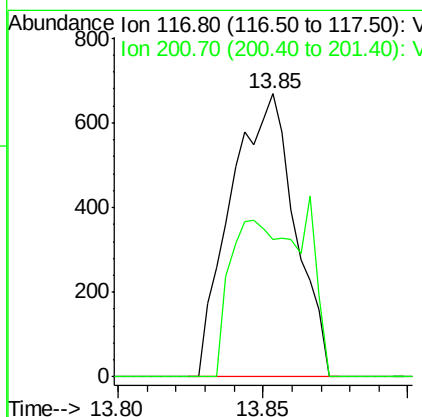
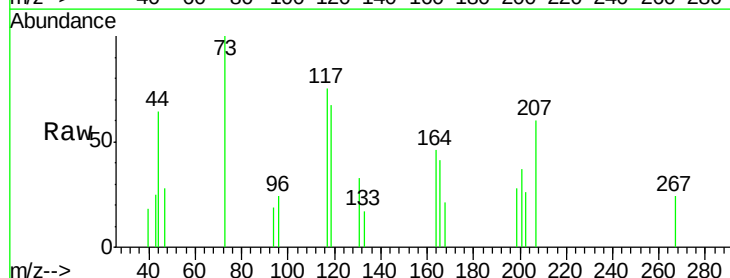
RT: 13.85 min Scan# 3757

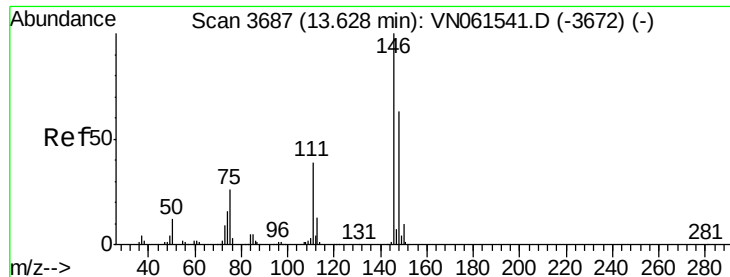
Delta R.T. 0.00 min

Lab File: VN061552.D

Acq: 29 May 2020 00:23

Tgt Ion:	117	Resp:	1028
Ion	Ratio	Lower	Upper
117	100		
201	49.0	36.7	110.1





#91

1,2-Dichlorobenzene

Concen: 0.919 ug/l

RT: 13.63 min Scan# 3688

Delta R.T. 0.00 min

Lab File: VN061552.D

Acq: 29 May 2020 00:23

Instrument :

MSVOA_N

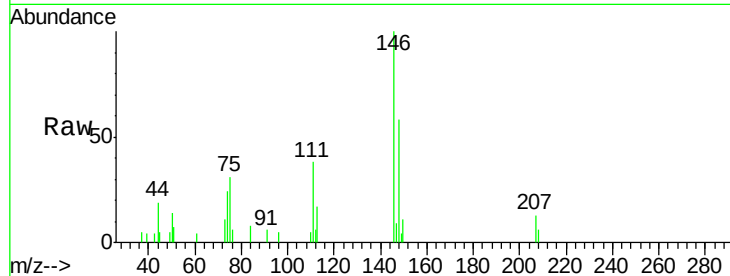
ClientSampleId :

LOQ-WATER-02-QT2-2020

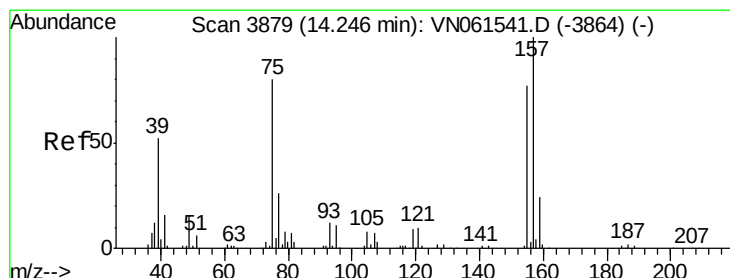
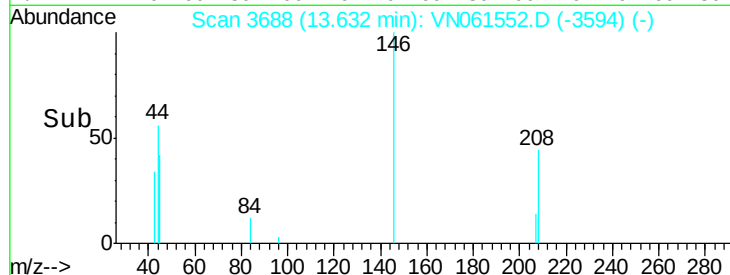
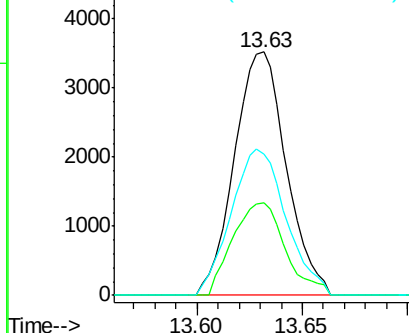
Tot Ion:	146	Resp:	6019
Ion	Ratio	Lower	Upper
146	100		
111	38.5	20.1	60.2
148	63.7	31.9	95.5

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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.750 ug/l

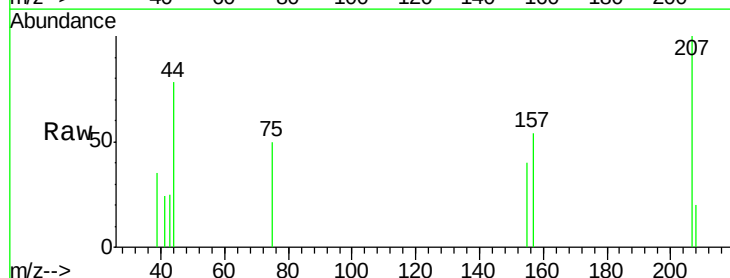
RT: 14.25 min Scan# 3880

Delta R.T. 0.00 min

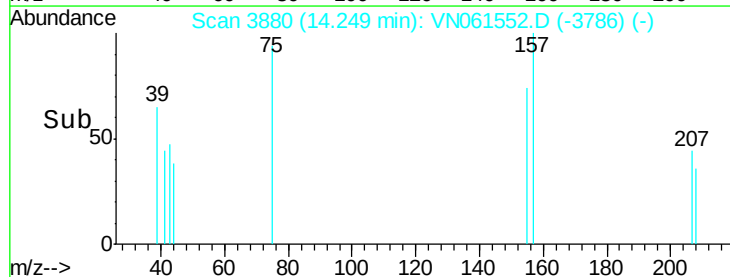
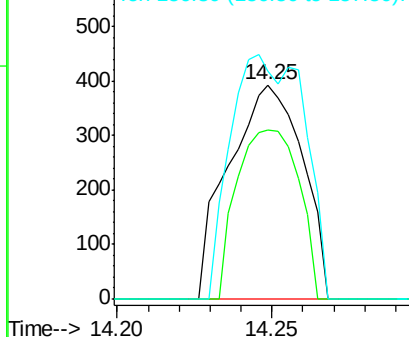
Lab File: VN061552.D

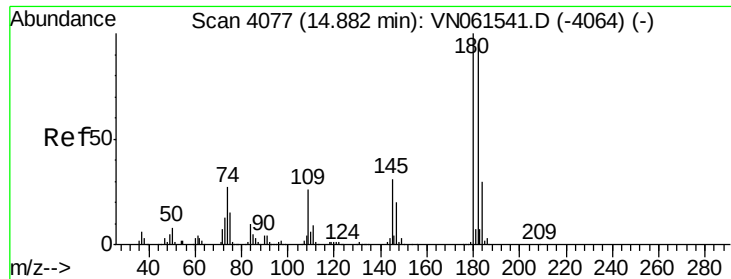
Acq: 29 May 2020 00:23

Tgt Ion:	75	Resp:	650
Ion	Ratio	Lower	Upper
75	100		
155	66.5	47.1	141.4
157	114.6	60.3	180.8



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





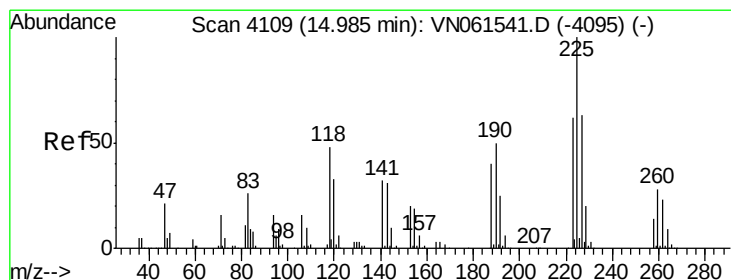
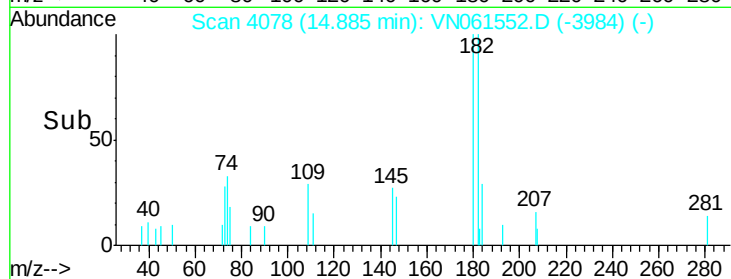
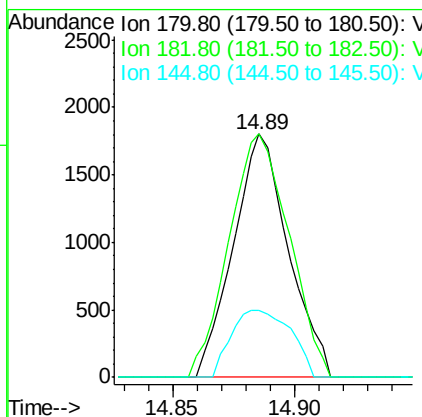
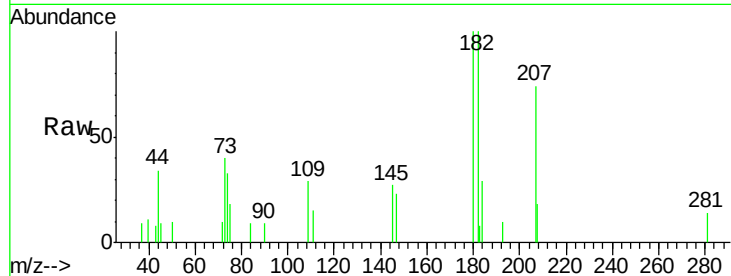
#93
 1,2,4-Trichlorobenzene
 Concen: 0.735 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN061552.D
 Acq: 29 May 2020 00:23

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT2-2020

Tot Ion	Ratio	Lower	Upper
180	100		
182	109.2	47.8	143.3
145	29.8	15.5	46.5

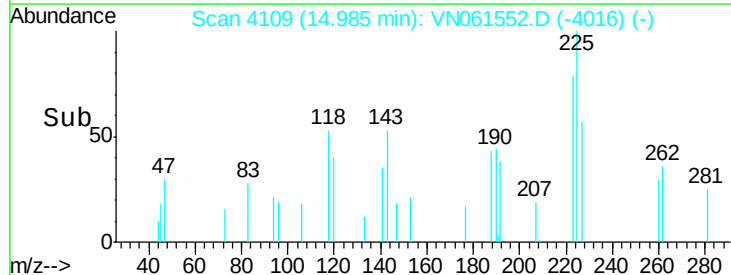
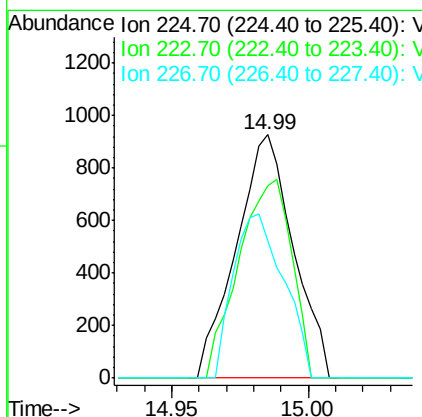
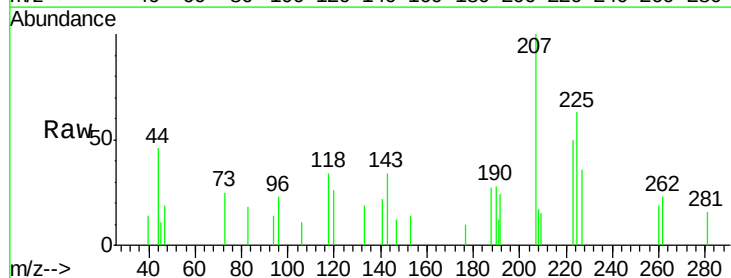
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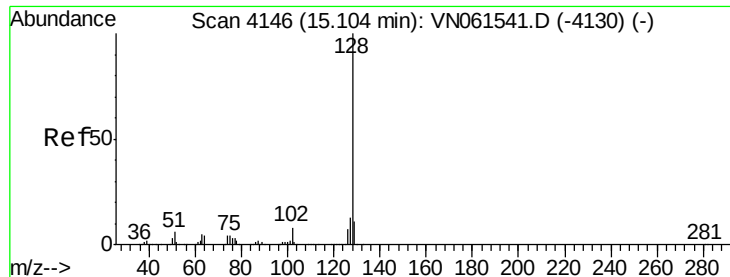
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 5/29/2020 5:50:33 PM



#94
 Hexachlorobutadiene
 Concen: 0.823 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN061552.D
 Acq: 29 May 2020 00:23

Tgt Ion	Ratio	Lower	Upper
225	100		
223	75.7	31.9	95.5
227	59.8	31.9	95.9





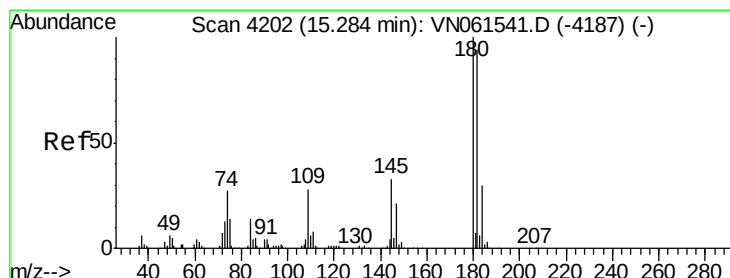
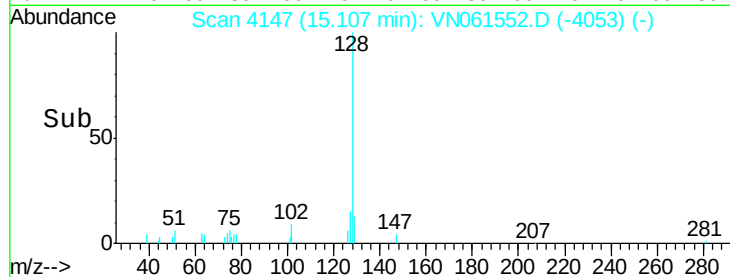
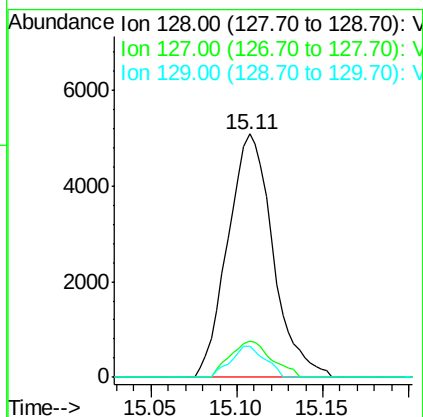
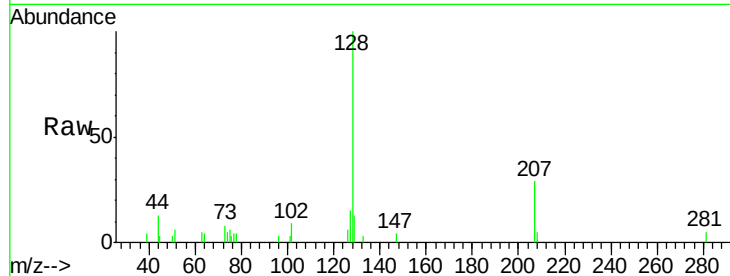
#95
Naphthalene
Concen: 0.800 ug/l
RT: 15.11 min Scan# 4147
Delta R.T. 0.00 min
Lab File: VN061552.D
Acq: 29 May 2020 00:23

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2020

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.0	15.0
129	9.8	8.5	12.7

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#96
1,2,3-Trichlorobenzene
Concen: 0.843 ug/l
RT: 15.29 min Scan# 4204
Delta R.T. 0.01 min
Lab File: VN061552.D
Acq: 29 May 2020 00:23

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.7	47.1	141.3
145	33.2	16.3	48.9

