

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102020\
 Data File : VN064198.D
 Acq On : 20 Oct 2020 16:19
 Operator : JC/MD
 Sample : L4214-08 5.0PPB LOO
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

Manual Integrations
 APPROVED

MMDadoda
 10/23/2020 2:28:50 PM

Quant Time: Oct 21 05:53:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 20 11:51:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	51334	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	289538	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	252109	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	131331	31.25	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	104.17%
60) 4-Bromofluorobenzene	12.37	95	134475	29.76	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.20%
63) Toluene-d8	10.06	98	342282	29.99	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.97%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	13125	3.727 ug/l	91
3) Chloromethane	2.04	50	15586	4.318 ug/l	99
4) Vinyl Chloride	2.16	62	15340	4.320 ug/l	90
5) Bromomethane	2.53	94	10658	5.017 ug/l	94
6) Chloroethane	2.67	64	9762	4.720 ug/l	96
7) Trichlorofluoromethane	2.99	101	27536	4.831 ug/l	98
8) Diethyl Ether	3.37	74	9351	4.832 ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.73	101	13303	4.422 ug/l	92
10) 1,1-Dichloroethene	3.70	96	13564	4.631 ug/l	97
11) Methyl Iodide	3.91	142	18211	4.313 ug/l	95
12) Methyl Acetate	4.28	43	15808	5.120 ug/l	100
13) Acrolein	3.57	56	9060	26.838 ug/l #	31
14) Acrylonitrile	4.93	53	28787	23.138 ug/l	97
15) Acetone	3.78	58	8311m	24.742 ug/l	
16) Carbon Disulfide	4.01	76	37796	4.512 ug/l	97
17) Allyl chloride	4.28	41	24667	4.529 ug/l	92
18) Methylene Chloride	4.51	84	16673	4.977 ug/l	94
19) trans-1,2-Dichloroethene	4.99	96	14696	4.651 ug/l	84
20) Diisopropyl ether	5.90	45	48078	4.777 ug/l #	93
21) 1,1-Dichloroethane	5.80	63	30005	4.883 ug/l	98
22) cis-1,2-Dichloroethene	6.78	96	17872	4.838 ug/l	95
23) tert-Butyl Alcohol	4.73	59	14979m	26.031 ug/l	
24) Methyl tert-Butyl Ether	4.99	73	47550	4.913 ug/l #	68
25) Chloroform	7.32	83	32890	5.151 ug/l	100
26) Cyclohexane	7.61	56	22861	4.692 ug/l #	87
29) 1,1-Dichloropropene	7.75	75	23502	4.888 ug/l	59
30) 2-Butanone	6.78	43	51582	26.014 ug/l #	90
31) 2,2-Dichloropropane	6.78	77	28550	4.677 ug/l #	64
32) 1,1,1-Trichloroethane	7.53	97	30253m	4.938 ug/l	
33) Carbon Tetrachloride	7.74	117	26955	4.826 ug/l	93
34) Benzene	8.00	78	64532	4.819 ug/l #	70
35) Methacrylonitrile	7.12	41	11227m	5.162 ug/l	
36) 1,2-Dichloroethane	8.08	62	28794	5.317 ug/l	98
37) Trichloroethene	8.80	130	17904	4.856 ug/l	97
38) Methylcyclohexane	9.05	83	20744	4.511 ug/l	94
39) 1,2-Dichloropropane	9.08	63	17203	4.814 ug/l	91
40) Dibromomethane	9.18	93	11717	4.713 ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102020\
 Data File : VN064198.D
 Acq On : 20 Oct 2020 16:19
 Operator : JC/MD
 Sample : L4214-08 5.0PPB LOQ
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

Manual Integrations
 APPROVED

MMDadoda
 10/23/2020 2:28:50 PM

Quant Time: Oct 21 05:53:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 20 11:51:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	26810	4.983	ug/l	98
42) Vinyl Acetate	5.84	43	225803	23.987	ug/l	100
43) Ethyl Acetate	6.88	43	20623m	4.762	ug/l	
44) Isopropyl Acetate	8.13	43	45695	5.496	ug/l #	86
45) 1,4-Dioxane	9.16	88	4918	101.139	ug/l #	85
46) Methyl methacrylate	9.17	41	19644	4.980	ug/l	98
47) n-amyl Acetate	12.04	43	31366	4.253	ug/l	99
48) t-1,3-Dichloropropene	10.35	75	29826	4.915	ug/l	99
49) cis-1,3-Dichloropropene	9.81	75	29797	4.752	ug/l	98
50) 1,1,2-Trichloroethane	10.53	97	15465	4.643	ug/l	94
51) Ethyl methacrylate	10.40	69	26549	5.041	ug/l	99
52) 1,3-Dichloropropane	10.68	76	27923	4.863	ug/l	98
53) Dibromochloromethane	10.87	129	20054	4.784	ug/l	94
54) 1,2-Dibromoethane	10.98	107	17026	4.809	ug/l	91
55) 2-Chloroethyl vinyl ether	9.66	63	63781	24.639	ug/l	99
56) Bromoform	12.10	173	13084	4.482	ug/l	99
58) 4-Methyl-2-Pentanone	9.95	43	108355	25.363	ug/l	99
59) 2-Hexanone	10.72	43	78251	24.672	ug/l	98
61) Tetrachloroethene	10.60	164	17006	5.004	ug/l	90
62) Toluene	10.12	91	70068	4.861	ug/l	100
64) Chlorobenzene	11.41	112	44138	4.918	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.48	131	17421	4.954	ug/l	100
66) Ethyl Benzene	11.48	91	80605	4.864	ug/l	96
67) m/p-Xylenes	11.59	106	57890	9.394	ug/l	95
68) o-Xylene	11.92	106	27491	4.597	ug/l	94
69) Styrene	11.94	104	46126	4.559	ug/l	98
70) Isopropylbenzene	12.22	105	76920	4.870	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	21369	4.937	ug/l #	97
72) 1,2,3-Trichloropropane	12.53	75	21475m	4.755	ug/l	
73) Bromobenzene	12.50	156	17331	4.550	ug/l	90
74) n-propylbenzene	12.57	91	83917	4.655	ug/l	99
75) 2-Chlorotoluene	12.65	91	54634	4.896	ug/l	96
76) 1,3,5-Trimethylbenzene	12.70	105	63565	4.730	ug/l	98
77) t-1,4-Dichloro-2-butene	12.27	75	8546	4.840	ug/l	94
78) 4-Chlorotoluene	12.75	91	55574	4.761	ug/l	99
79) tert-butylbenzene	12.97	119	52780	4.804	ug/l	99
80) 1,2,4-Trimethylbenzene	13.01	105	64398	4.720	ug/l	99
81) sec-Butylbenzene	13.14	105	68206	4.771	ug/l	97
82) p-Isopropyltoluene	13.26	119	62396	4.716	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	31589	4.627	ug/l	98
84) 1,4-Dichlorobenzene	13.34	146	30771	4.502	ug/l	95
85) n-Butylbenzene	13.59	91	50756	4.321	ug/l	99
86) Hexachloroethane	13.85	117	10423	4.576	ug/l	91
87) 1,2-Dichlorobenzene	13.62	146	30835	4.631	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.24	75	5319	4.852	ug/l	90
89) 1,2,4-Trichlorobenzene	14.88	180	16474	4.121	ug/l	94
90) Hexachlorobutadiene	14.98	225	9803	4.837	ug/l	93
91) Naphthalene	15.10	128	54218	4.474	ug/l	97
92) 1,2,3-Trichlorobenzene	15.28	180	16334	4.272	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102020\
Data File : VN064198.D
Acq On : 20 Oct 2020 16:19
Operator : JC/MD
Sample : L4214-08 5.0PPB LOO
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

Manual Integrations
APPROVED

MMDadoda
10/23/2020 2:28:50 PM

Quant Time: Oct 21 05:53:26 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102020W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Oct 20 11:51:57 2020
Response via : Initial Calibration

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

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

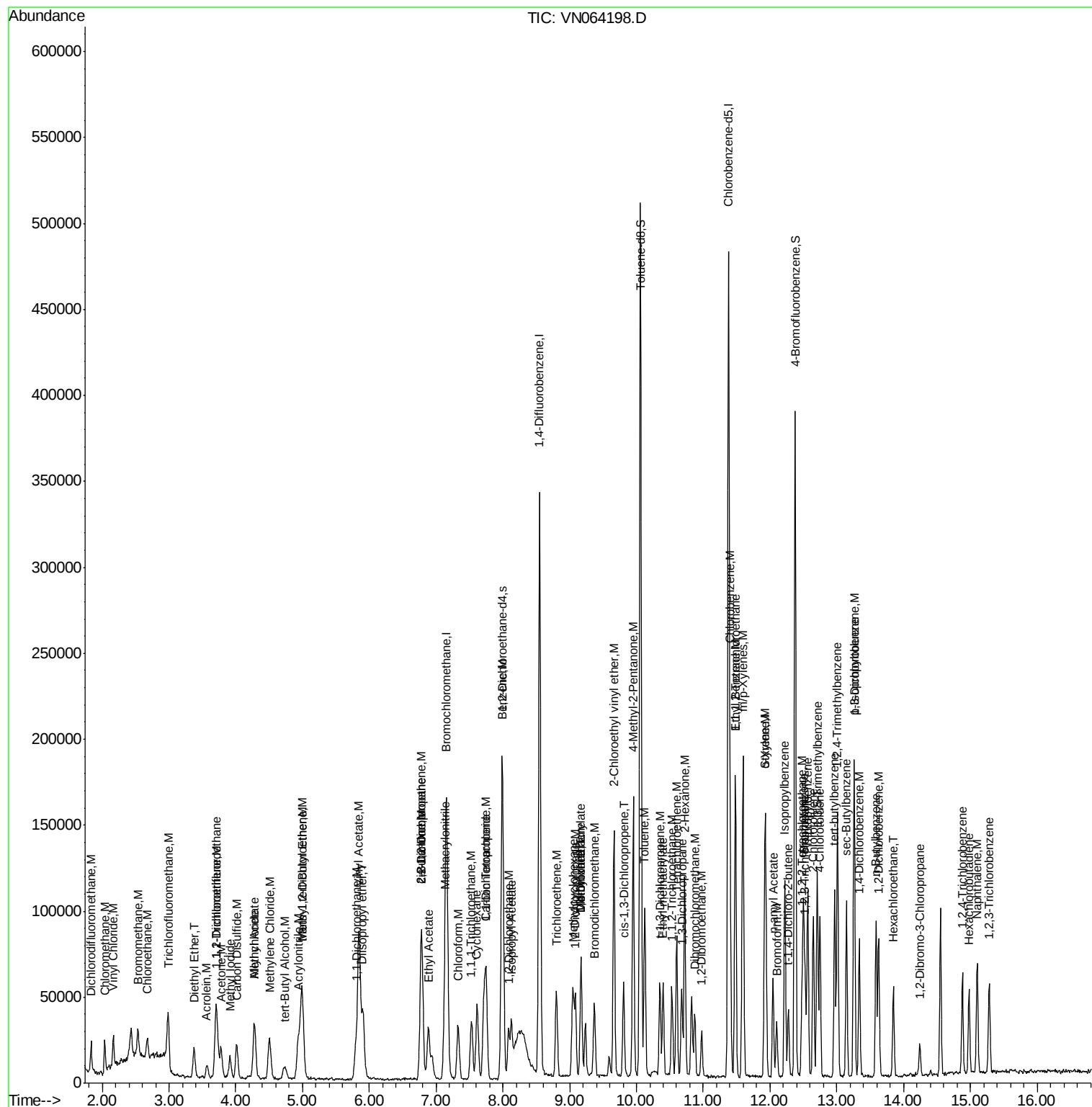
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102020\
Data File : VN064198.D
Acq On : 20 Oct 2020 16:19
Operator : JC/MD
Sample : L4214-08 5.0PPB L00
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 11 Sample Multiplier: 1

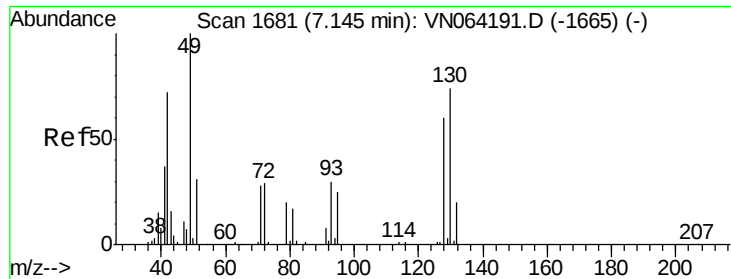
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

Manual Integrations
APPROVED

MMDadoda
10/23/2020 2:28:50 PM

Quant Time: Oct 21 05:53:26 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102020W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Oct 20 11:51:57 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1683

Delta R.T. 0.01 min

Lab File: VN064198.D

Acq: 20 Oct 2020 16:19

Instrument :

MSVOA_N

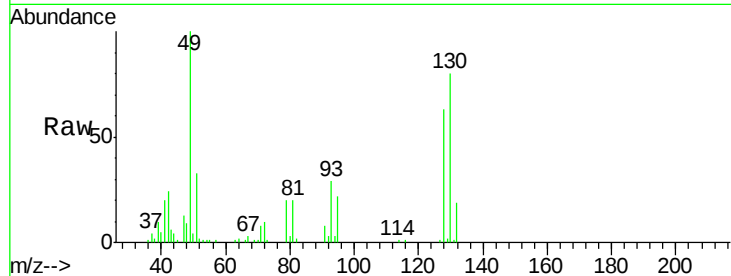
ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion	Ratio	Lower	Upper
128	100		
49	168.6	0.0	433.3
130	125.4	0.0	322.5

Manual Integrations
APPROVED

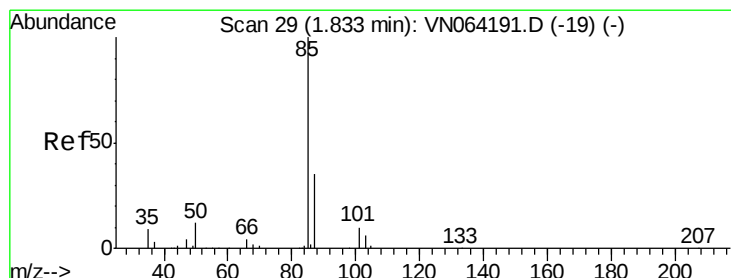
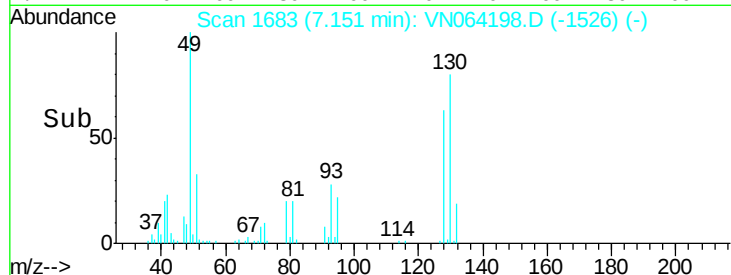
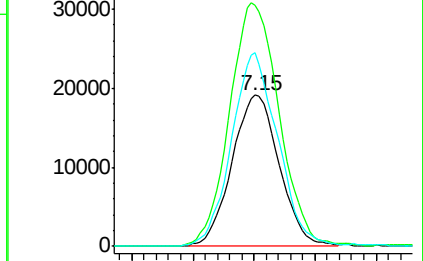
MMDadoda
10/23/2020 2:28:50 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 3.727 ug/l

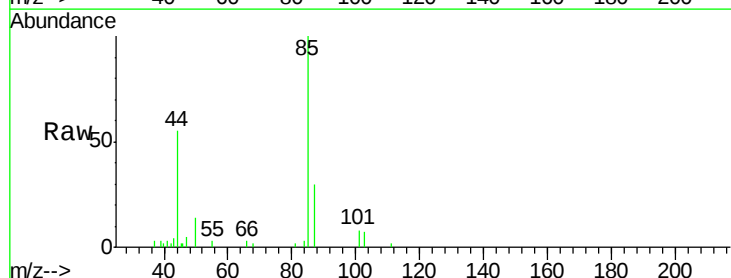
RT: 1.83 min Scan# 29

Delta R.T. -0.00 min

Lab File: VN064198.D

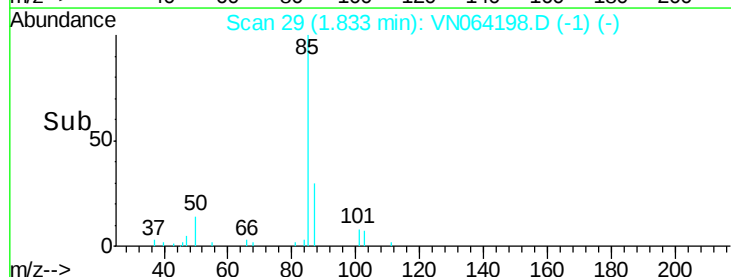
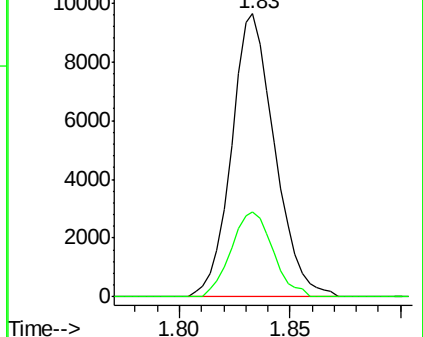
Acq: 20 Oct 2020 16:19

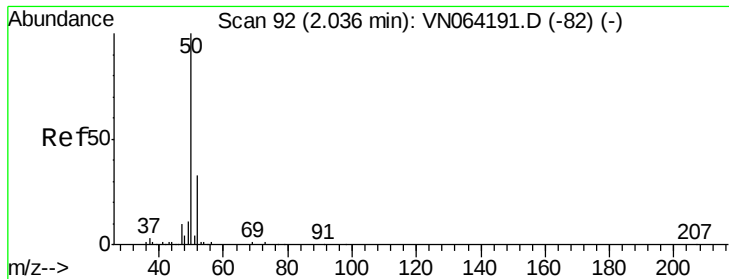
Tgt Ion	Ratio	Lower	Upper
85	100		
87	30.1	17.8	53.3



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 4.318 ug/l

RT: 2.04 min Scan# 92

Delta R.T. -0.00 min

Lab File: VN064198.D

Acq: 20 Oct 2020 16:19

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion: 50 Resp: 15586

Ion Ratio Lower Upper

50 100

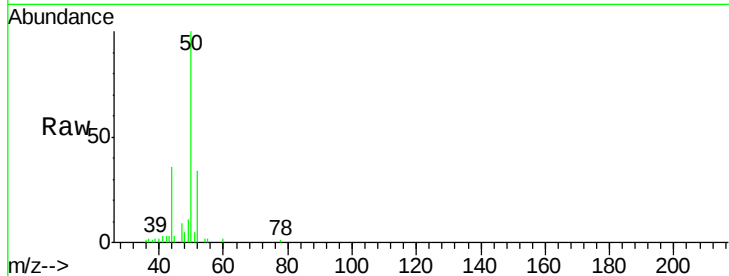
52 33.6 26.6 40.0

Manual Integrations

APPROVED

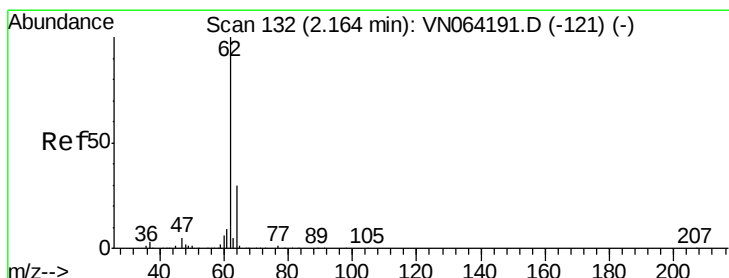
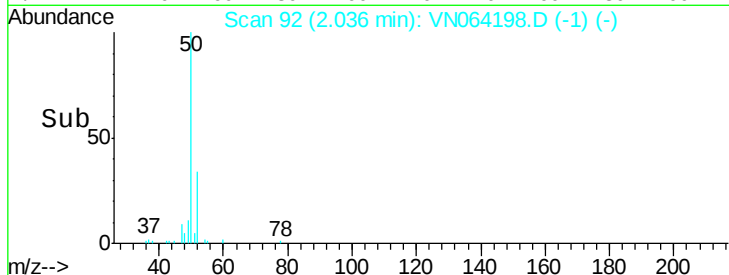
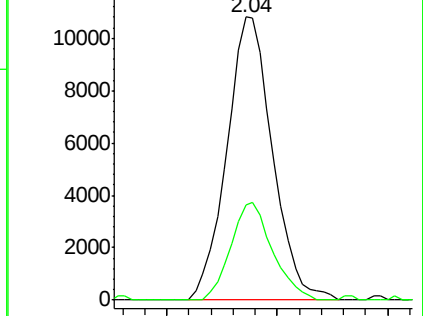
MMDadoda

10/23/2020 2:28:50 PM



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 4.320 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN064198.D

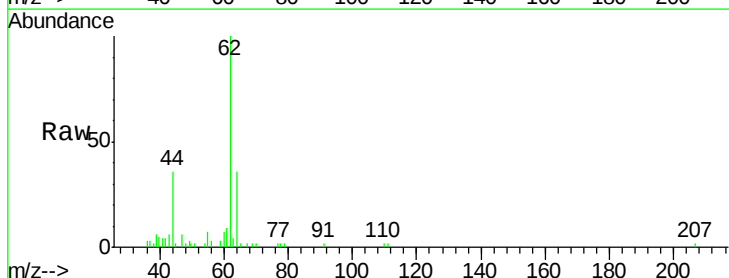
Acq: 20 Oct 2020 16:19

Tgt Ion: 62 Resp: 15340

Ion Ratio Lower Upper

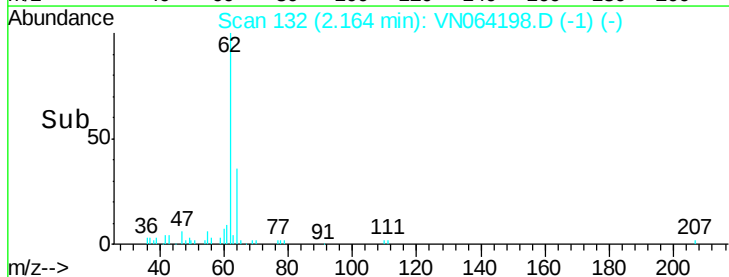
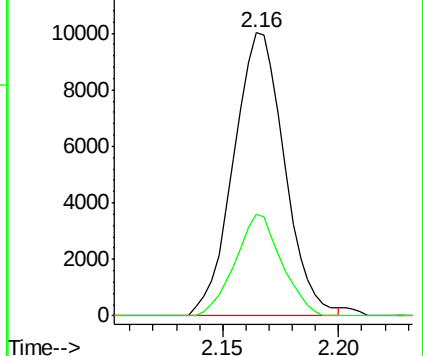
62 100

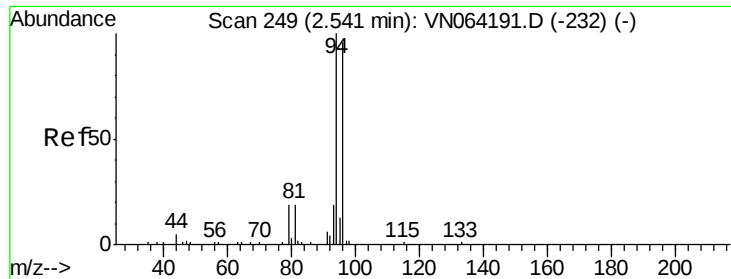
64 35.9 24.4 36.6



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 5.017 ug/l

RT: 2.53 min Scan# 246

Delta R.T. -0.01 min

Lab File: VN064198.D

Acq: 20 Oct 2020 16:19

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion: 94 Resp: 10658

Ion Ratio Lower Upper

94 100

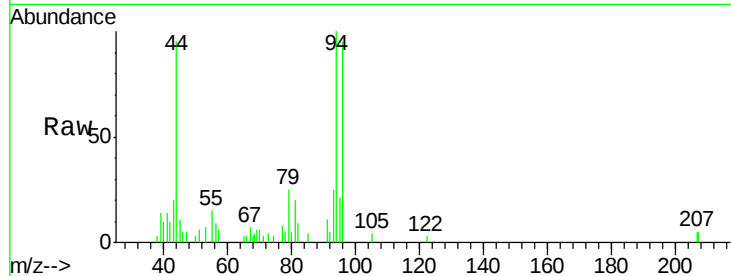
96 89.9 76.6 115.0

Manual Integrations

APPROVED

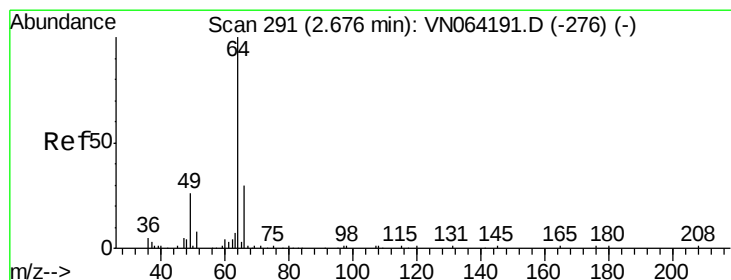
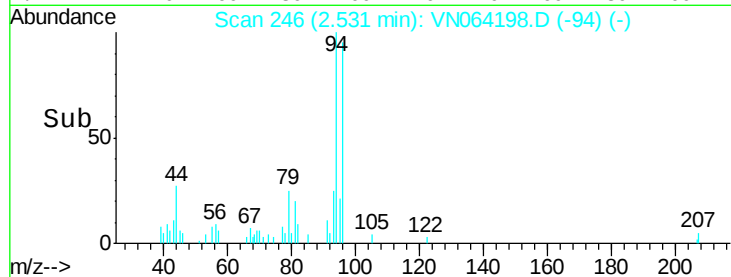
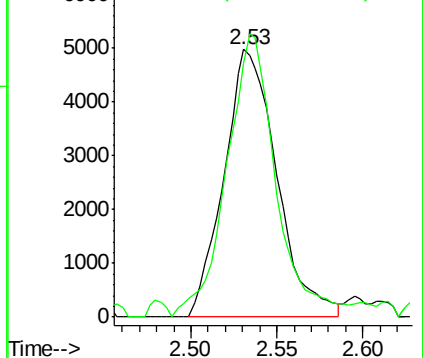
MMDadoda

10/23/2020 2:28:50 PM



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 4.720 ug/l

RT: 2.67 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN064198.D

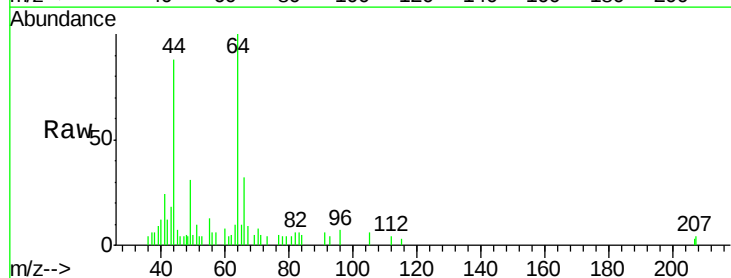
Acq: 20 Oct 2020 16:19

Tgt Ion: 64 Resp: 9762

Ion Ratio Lower Upper

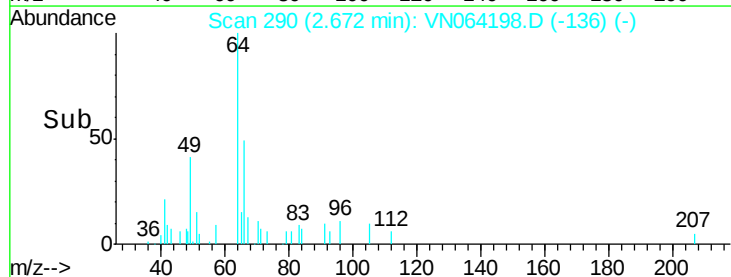
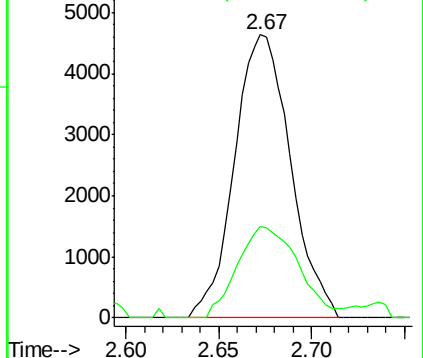
64 100

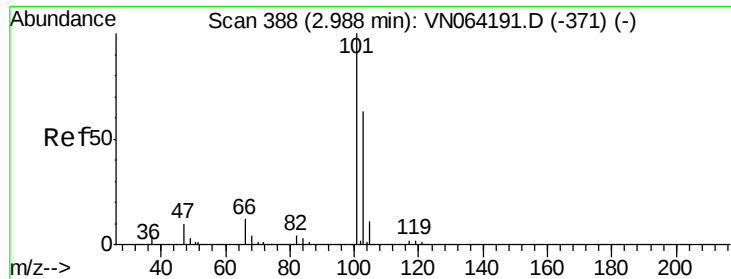
66 32.4 24.3 36.5



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

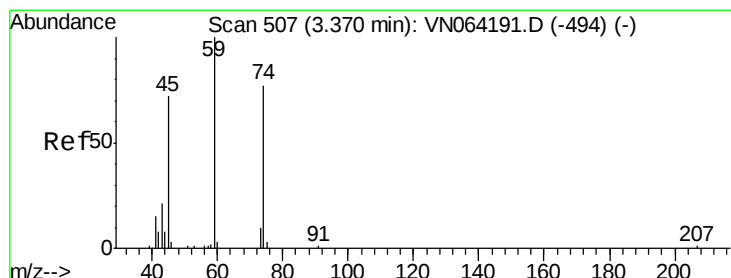
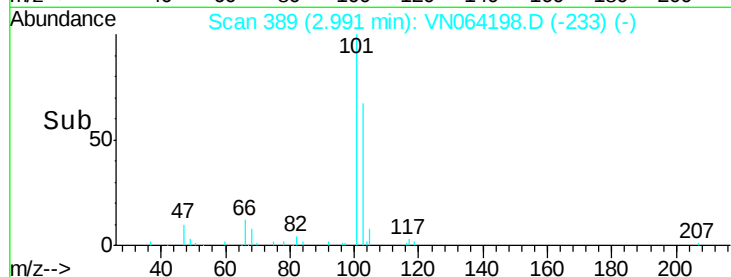
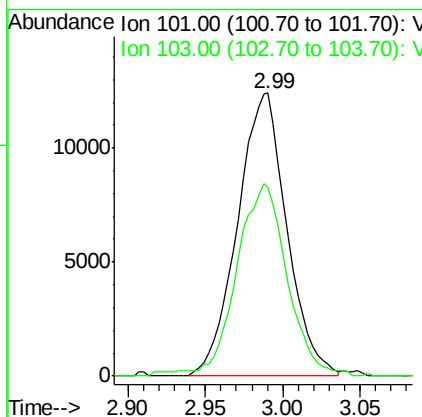
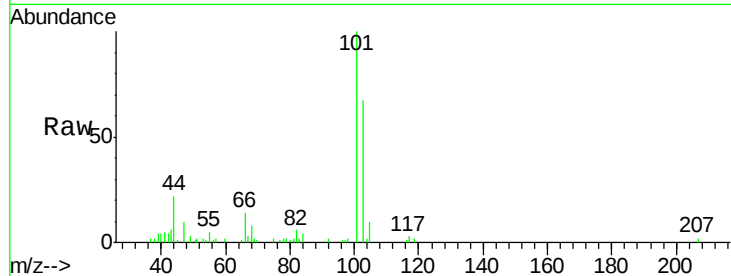
Trichlorofluoromethane
Concen: 4.831 ug/l
RT: 2.99 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN064198.D
Acq: 20 Oct 2020 16:19

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	50.7	76.1

Manual Integrations
APPROVED

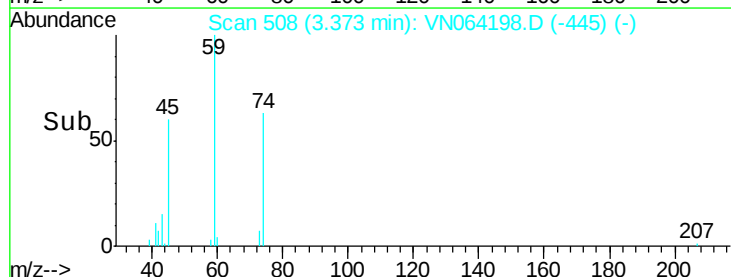
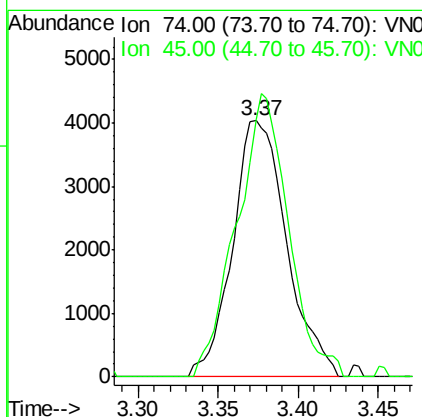
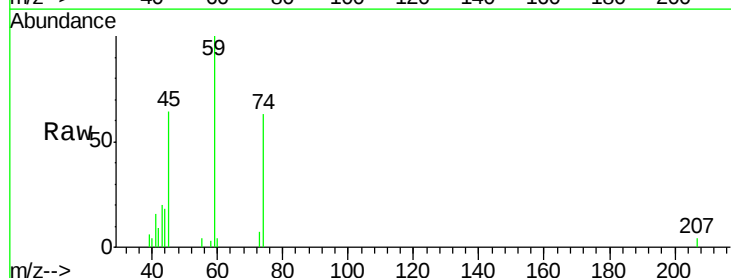
MMDadoda
10/23/2020 2:28:50 PM

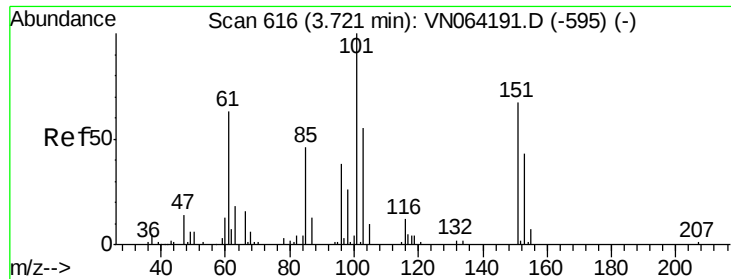


#8

Diethyl Ether
Concen: 4.832 ug/l
RT: 3.37 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN064198.D
Acq: 20 Oct 2020 16:19

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.4	19.5	175.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.422 ug/l

RT: 3.73 min Scan# 618

Delta R.T. 0.01 min

Lab File: VN064198.D

Acq: 20 Oct 2020 16:19

Instrument :

MSVOA_N

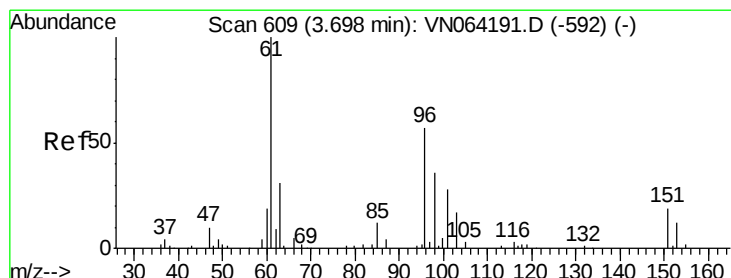
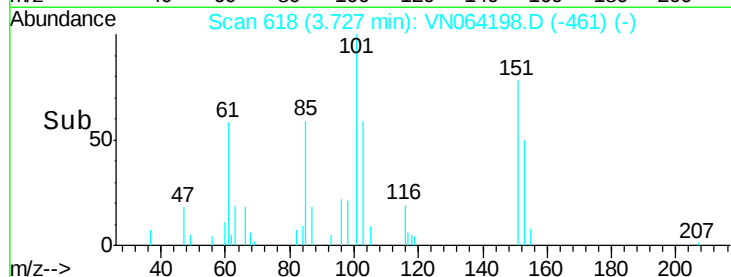
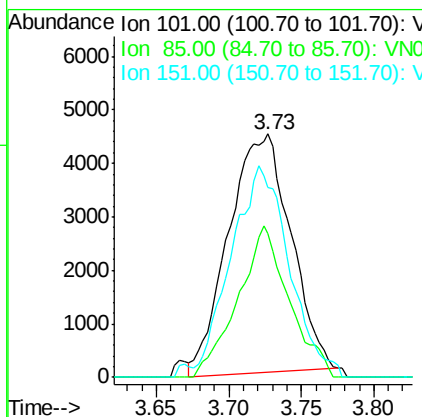
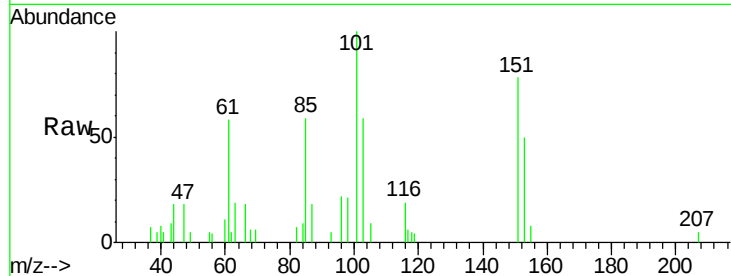
ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion:	101	Resp:	13303
Ion Ratio	Lower	Upper	
101	100		
85	49.7	0.0	94.0
151	82.9	0.0	146.6

Manual Integrations
APPROVED

MMDadoda
10/23/2020 2:28:50 PM



#10

1,1-Dichloroethene

Concen: 4.631 ug/l

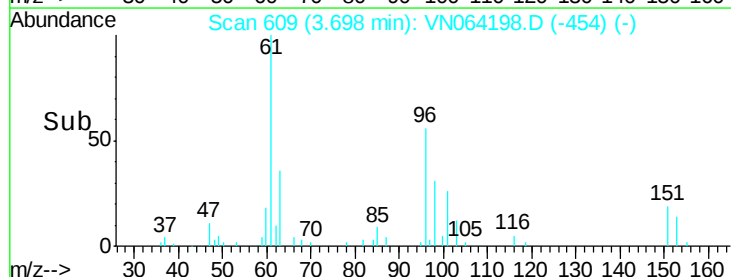
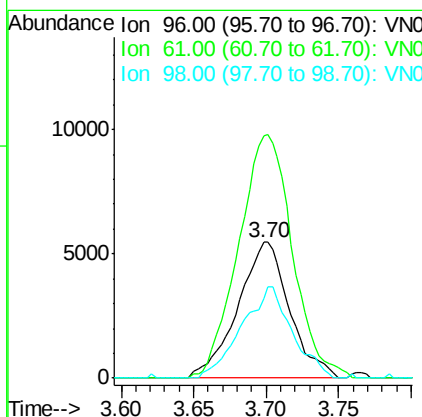
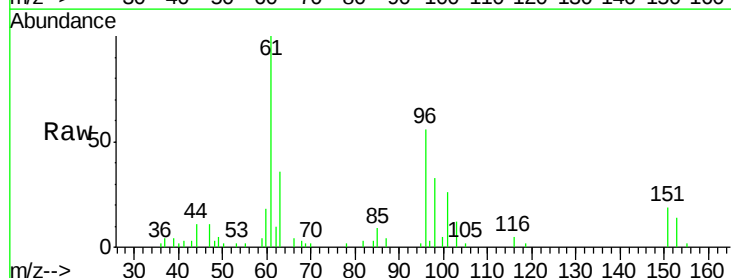
RT: 3.70 min Scan# 609

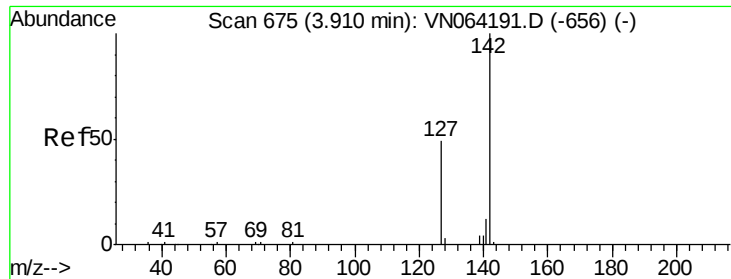
Delta R.T. -0.00 min

Lab File: VN064198.D

Acq: 20 Oct 2020 16:19

Tgt Ion:	96	Resp:	13564
Ion Ratio	Lower	Upper	
96	100		
61	178.1	141.0	211.4
98	58.5	51.4	77.2





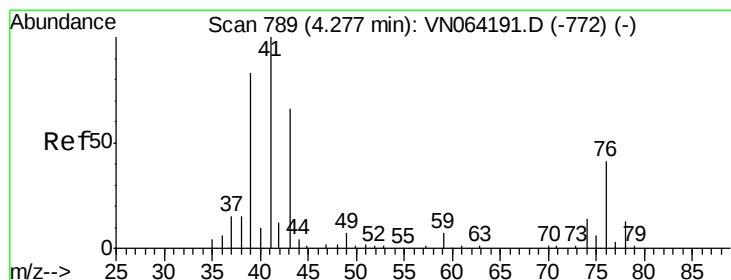
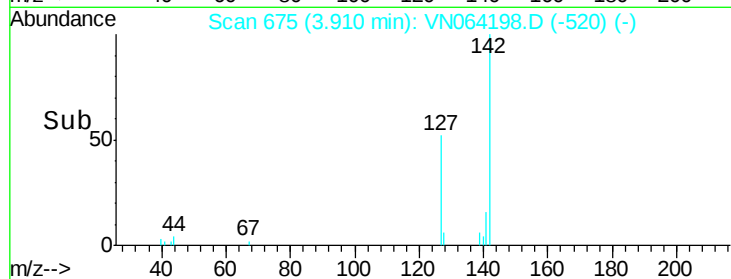
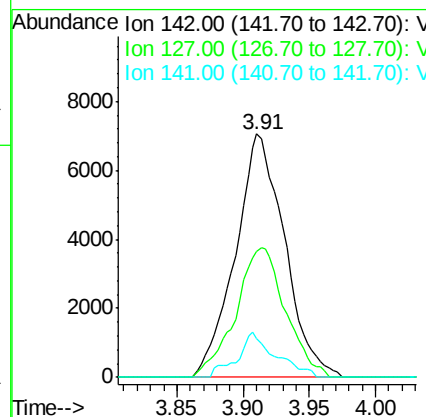
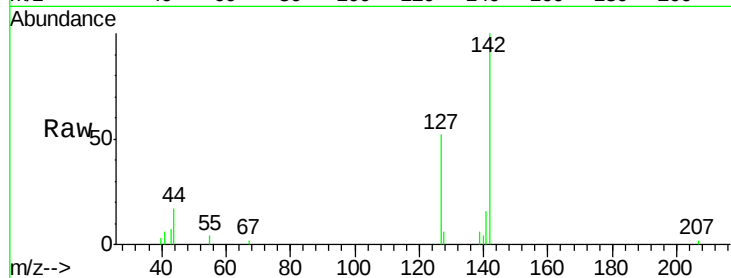
#11
Methvl Iodide
Concen: 4.313 ug/l
RT: 3.91 min Scan# 675
Delta R.T. -0.00 min
Lab File: VN064198.D
Acq: 20 Oct 2020 16:19

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

Tot Ion	Ratio	Lower	Upper
142	100		
127	51.8	24.5	73.5
141	16.0	6.0	18.1

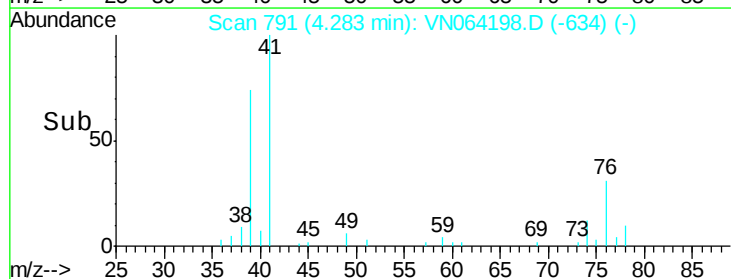
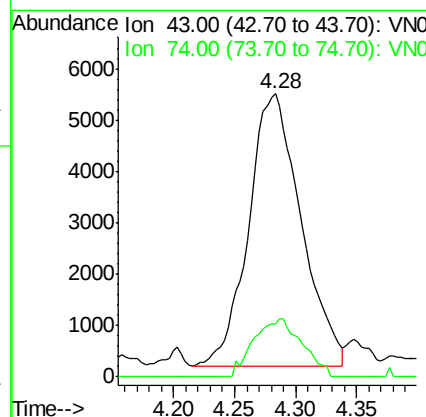
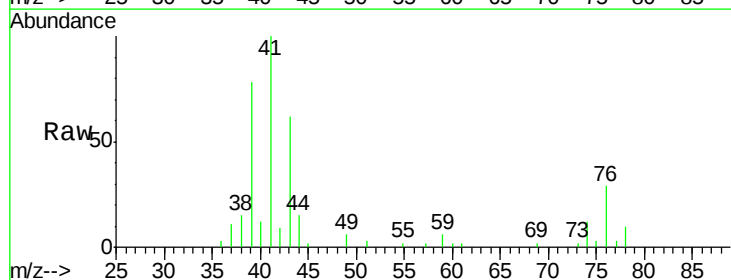
Manual Integrations
APPROVED

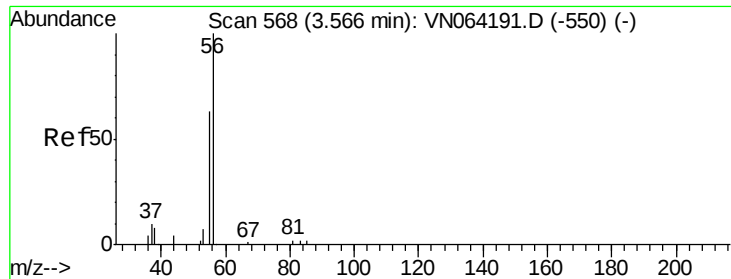
MMDadoda
10/23/2020 2:28:50 PM



#12
Methyl Acetate
Concen: 5.120 ug/l
RT: 4.28 min Scan# 791
Delta R.T. 0.01 min
Lab File: VN064198.D
Acq: 20 Oct 2020 16:19

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.1	16.2	24.2





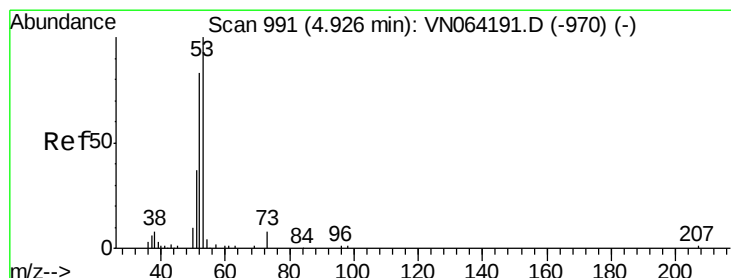
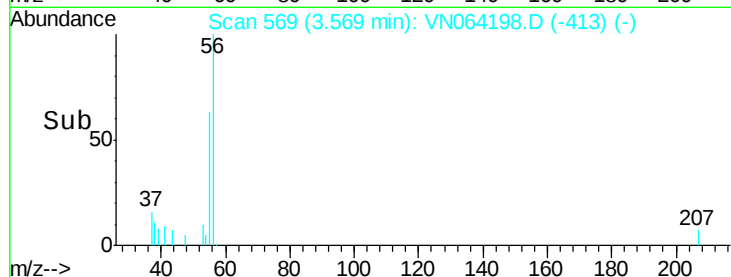
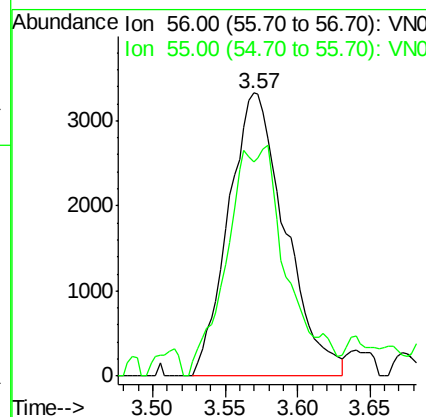
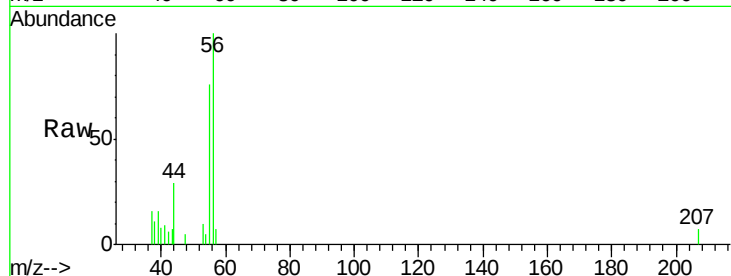
#13
Acrolein
Concen: 26.838 ug/l
RT: 3.57 min Scan# 569
Delta R.T. 0.00 min
Lab File: VN064198.D
Acq: 20 Oct 2020 16:19

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

Tot Ion: 56 Resp: 9060
Ion Ratio Lower Upper
56 100
55 40.3 0.5 0.7#

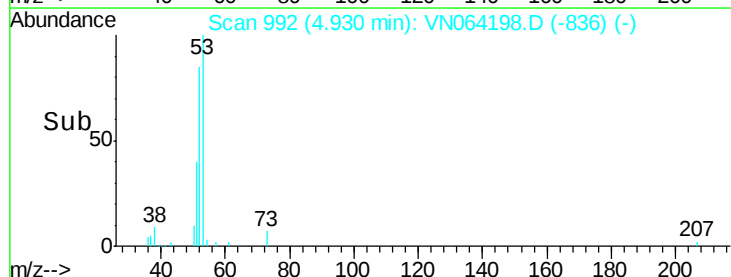
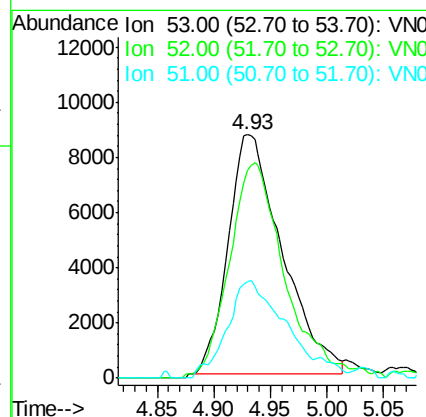
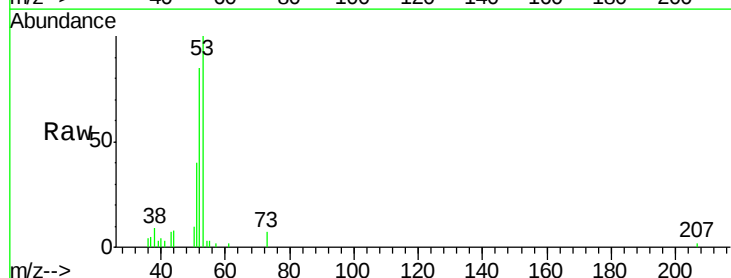
Manual Integrations
APPROVED

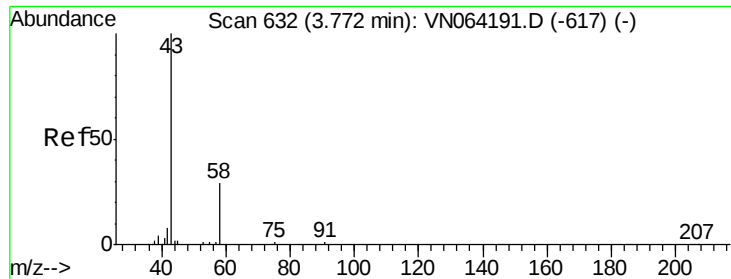
MMDadoda
10/23/2020 2:28:50 PM



#14
Acrylonitrile
Concen: 23.138 ug/l
RT: 4.93 min Scan# 992
Delta R.T. 0.00 min
Lab File: VN064198.D
Acq: 20 Oct 2020 16:19

Tgt Ion: 53 Resp: 28787
Ion Ratio Lower Upper
53 100
52 85.8 41.3 123.9
51 35.1 18.1 54.1





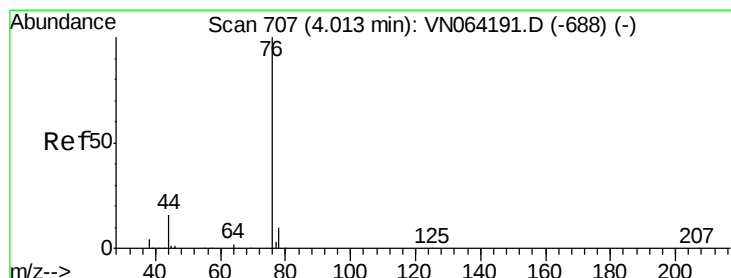
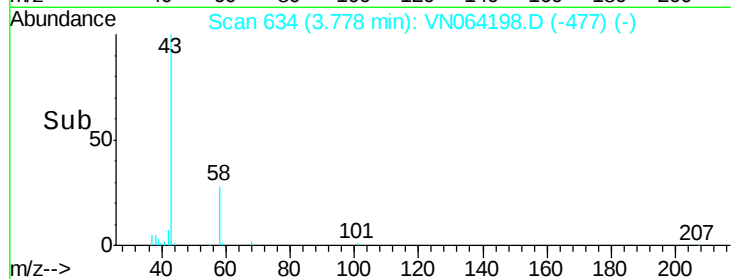
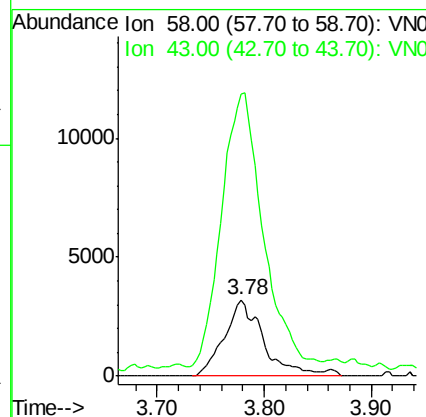
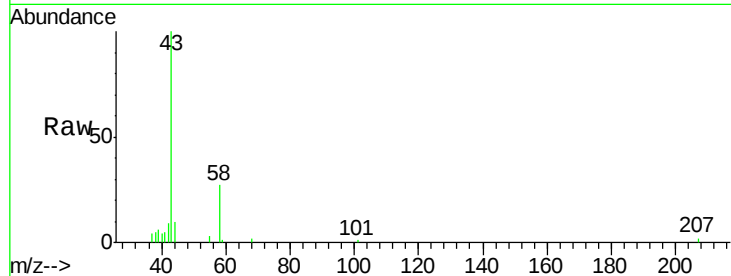
#15
Acetone
Concen: 24.742 ug/l m
RT: 3.78 min Scan# 634
Delta R.T. 0.01 min
Lab File: VN064198.D
Acq: 20 Oct 2020 16:19

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

Tot Ion: 58 Resp: 8311
Ion Ratio Lower Upper
58 100
43 369.3 272.1 408.1

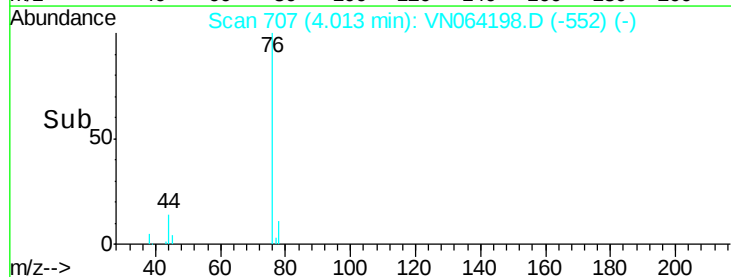
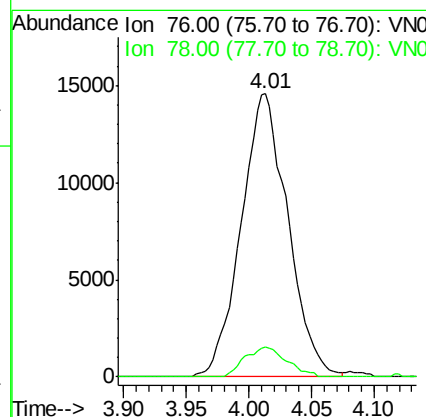
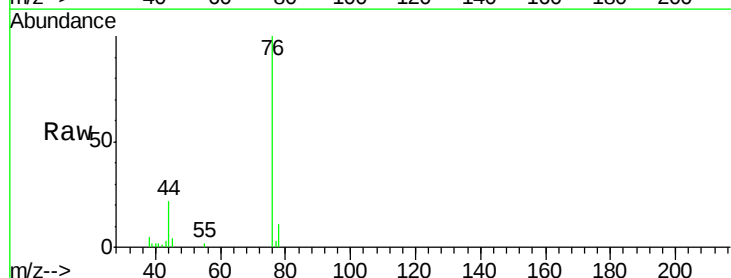
Manual Integrations
APPROVED

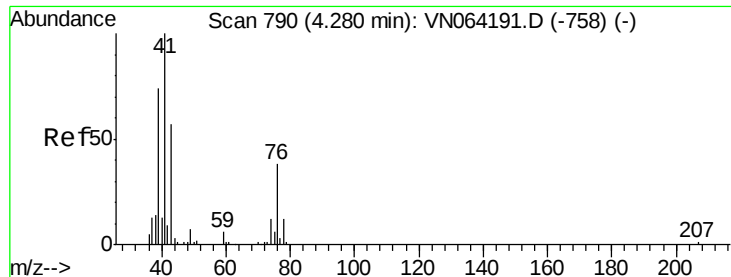
MMDadoda
10/23/2020 2:28:50 PM



#16
Carbon Disulfide
Concen: 4.512 ug/l
RT: 4.01 min Scan# 707
Delta R.T. -0.00 min
Lab File: VN064198.D
Acq: 20 Oct 2020 16:19

Tgt Ion: 76 Resp: 37796
Ion Ratio Lower Upper
76 100
78 10.7 7.7 11.5





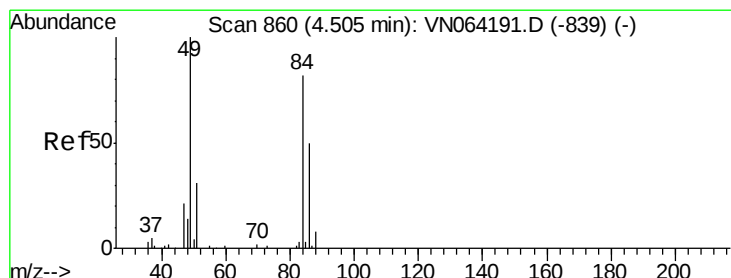
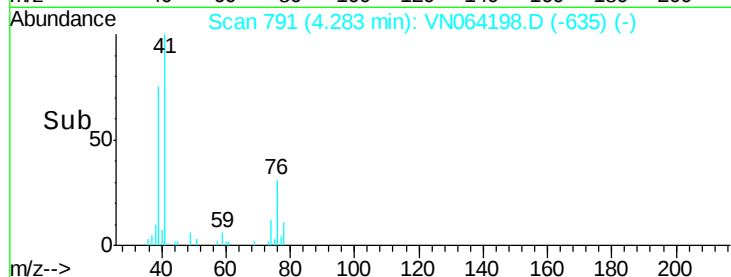
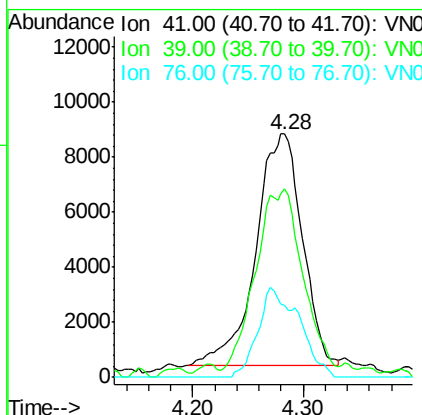
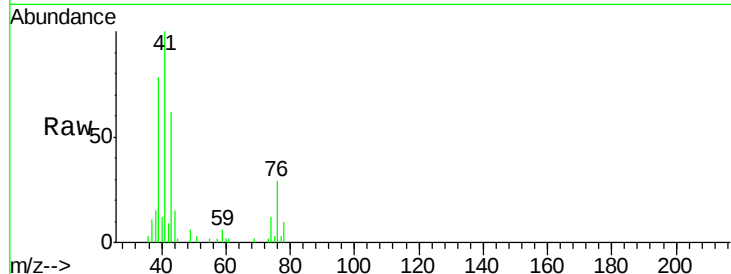
#17
Allvl chloride
Concen: 4.529 ug/l
RT: 4.28 min Scan# 791
Delta R.T. 0.00 min
Lab File: VN064198.D
Acq: 20 Oct 2020 16:19

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

Tot Ion	Ratio	Lower	Upper
41	100		
39	79.6	36.8	110.4
76	30.9	18.8	56.4

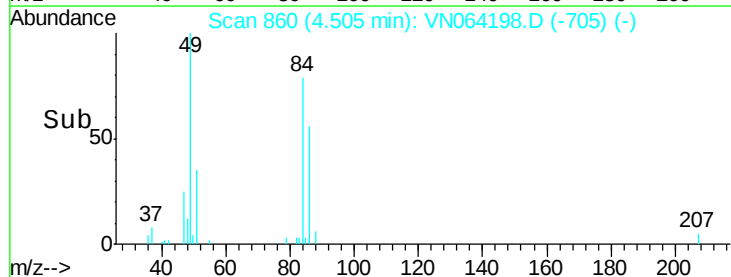
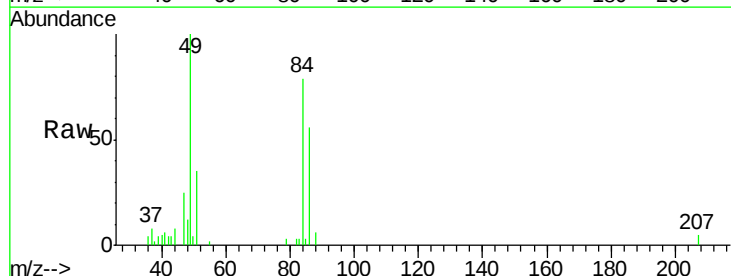
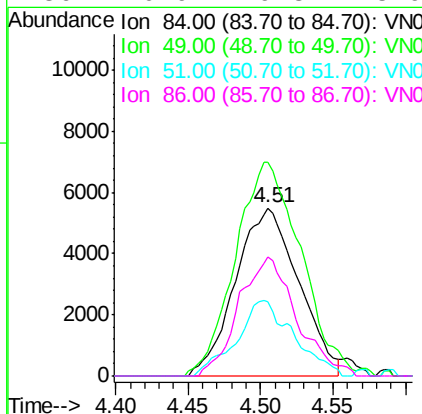
Manual Integrations
APPROVED

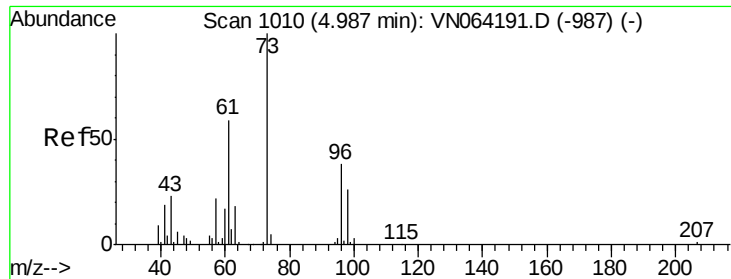
MMDadoda
10/23/2020 2:28:50 PM



#18
Methylene Chloride
Concen: 4.977 ug/l
RT: 4.51 min Scan# 860
Delta R.T. -0.00 min
Lab File: VN064198.D
Acq: 20 Oct 2020 16:19

Tgt Ion	Ratio	Lower	Upper
84	100		
49	124.0	97.6	146.4
51	44.1	31.1	46.7
86	70.9	49.3	73.9





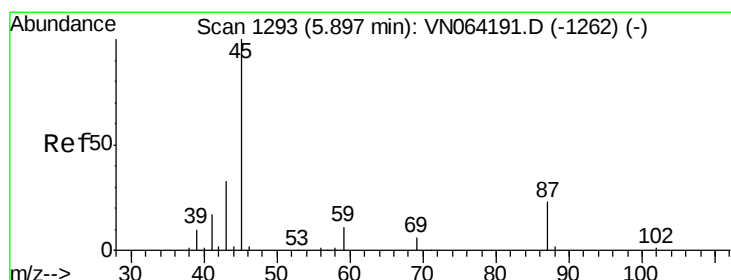
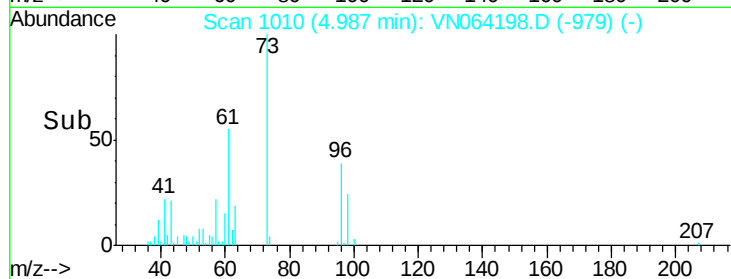
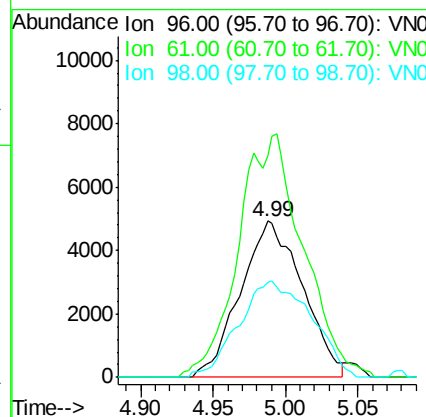
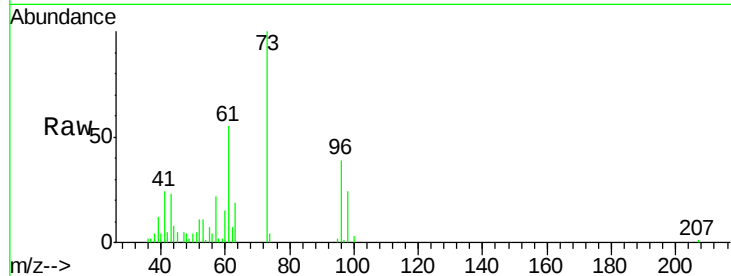
#19
trans-1,2-Dichloroethene
Concen: 4.651 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VN064198.D
Acq: 20 Oct 2020 16:19

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.6	125.5	188.3
98	57.6	54.7	82.1

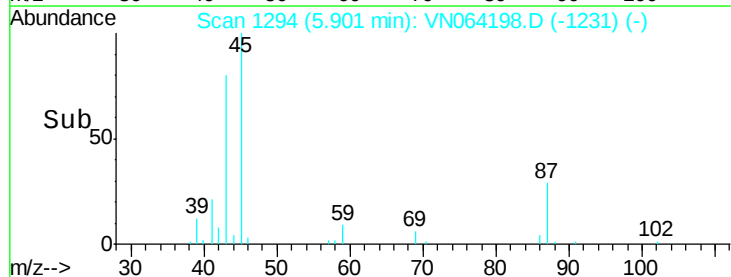
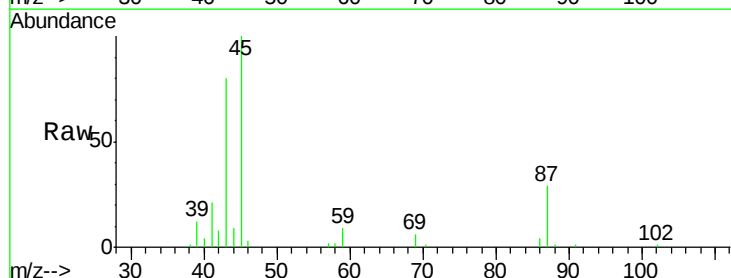
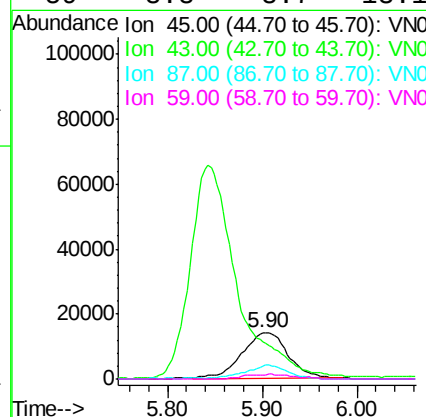
Manual Integrations
APPROVED

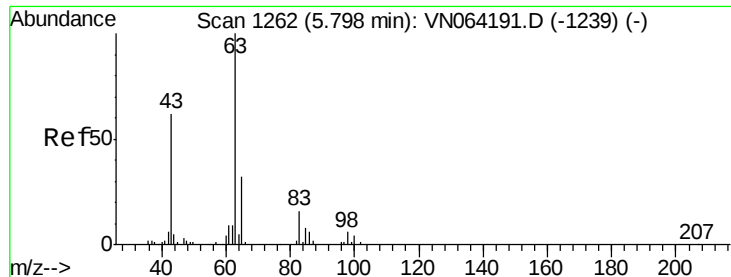
MMDadoda
10/23/2020 2:28:50 PM



#20
Diisopropyl ether
Concen: 4.777 ug/l
RT: 5.90 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VN064198.D
Acq: 20 Oct 2020 16:19

Tgt Ion	Ratio	Lower	Upper
45	100		
43	74.2	55.1	82.7
87	29.4	19.4	29.2#
59	8.8	8.7	13.1





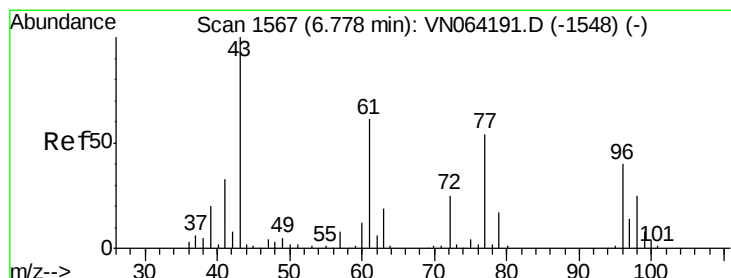
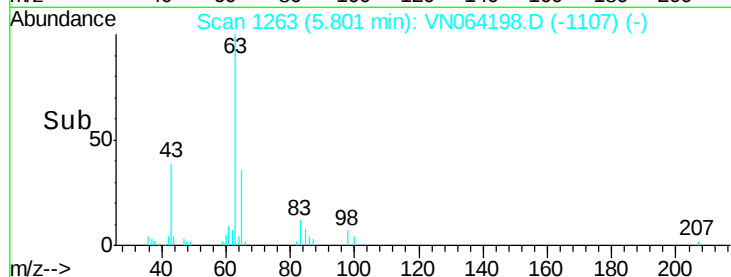
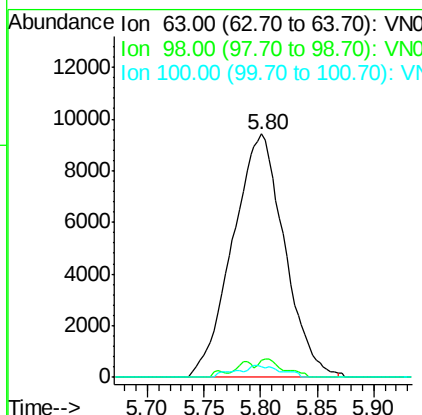
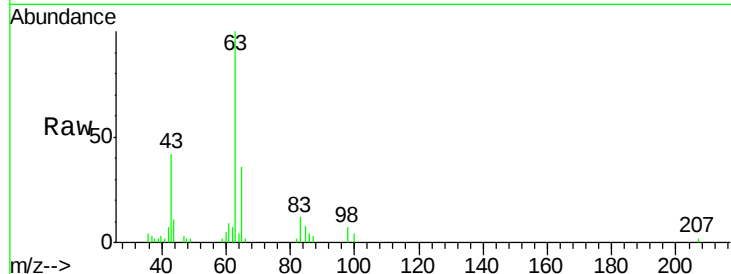
#21
 1,1-Dichloroethane
 Concen: 4.883 ug/l
 RT: 5.80 min Scan# 1263
 Delta R.T. 0.00 min
 Lab File: VN064198.D
 Acq: 20 Oct 2020 16:19

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
98	6.9		2.9	8.7
100	4.2		2.1	6.3

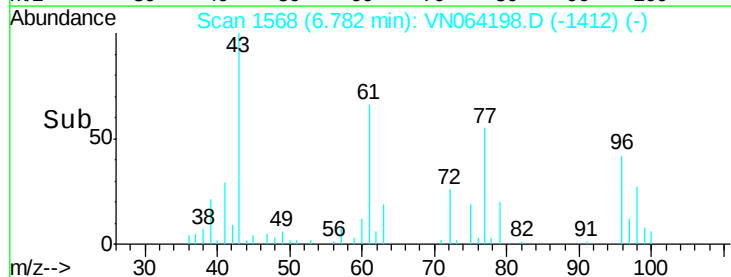
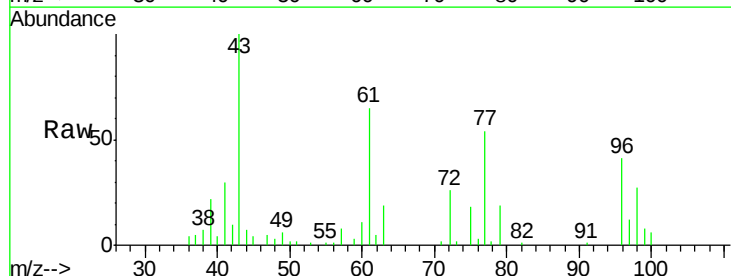
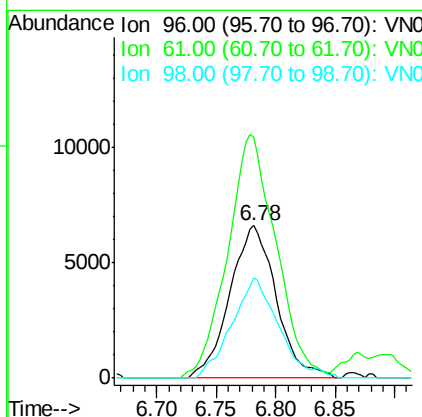
Manual Integrations
 APPROVED

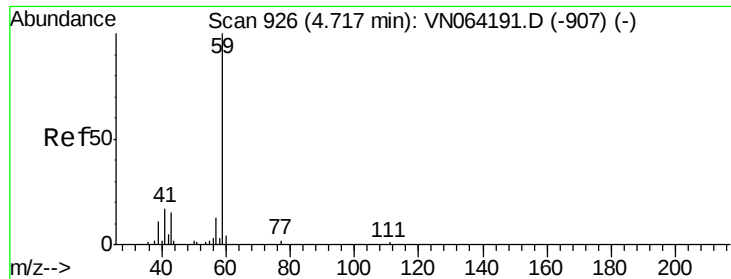
MMDadoda
 10/23/2020 2:28:50 PM



#22
 cis-1,2-Dichloroethene
 Concen: 4.838 ug/l
 RT: 6.78 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VN064198.D
 Acq: 20 Oct 2020 16:19

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	165.5		126.2	189.4
98	64.4		50.2	75.4





#23

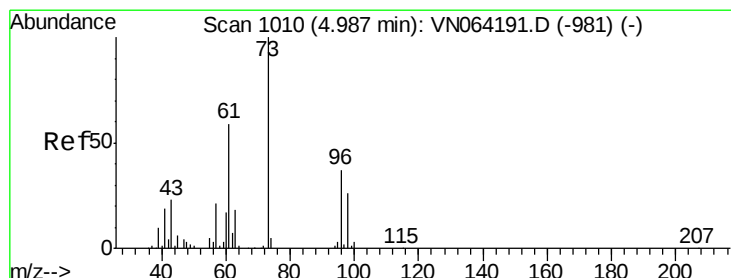
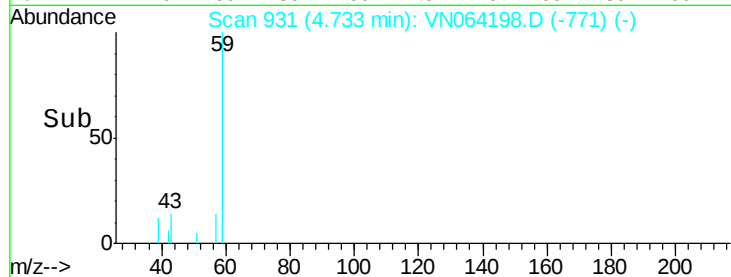
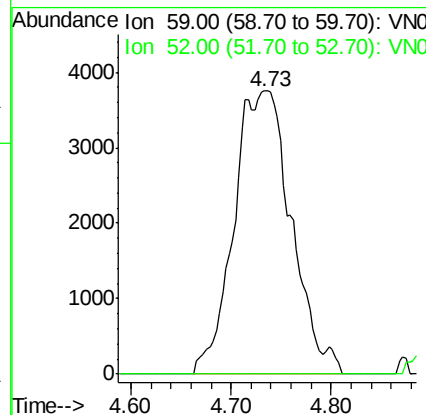
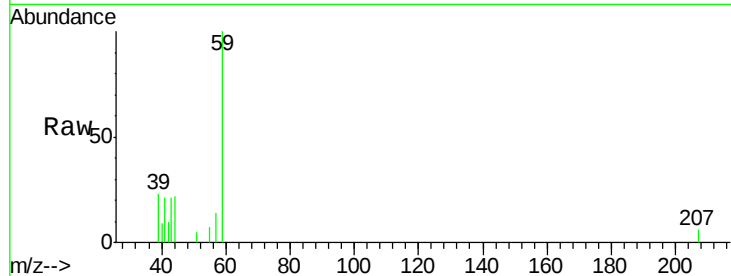
tert-Butyl Alcohol
 Concen: 26.031 ug/l m
 RT: 4.73 min Scan# 931
 Delta R.T. 0.02 min
 Lab File: VN064198.D
 Acq: 20 Oct 2020 16:19

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

Tot Ion	59	52	Ratio	100	0.0	Resp	14979	Lower	Upper
Ion	59	52	Ratio	100	0.0	Resp	14979	Lower	Upper

Manual Integrations
 APPROVED

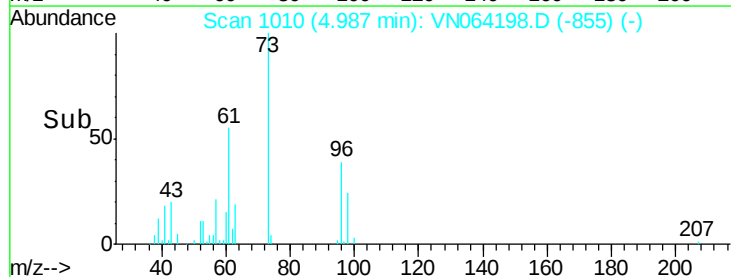
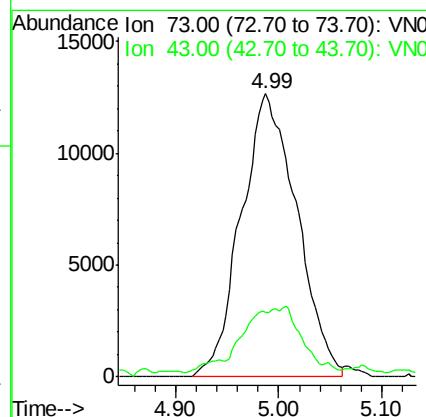
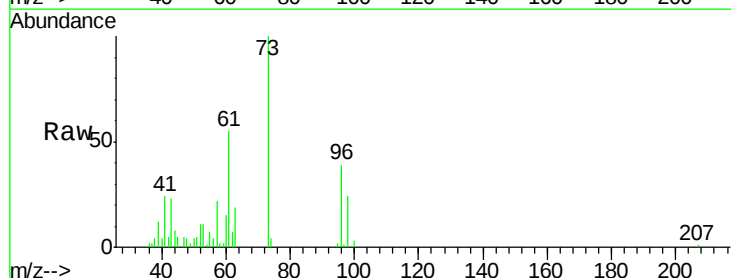
MMDadoda
 10/23/2020 2:28:50 PM

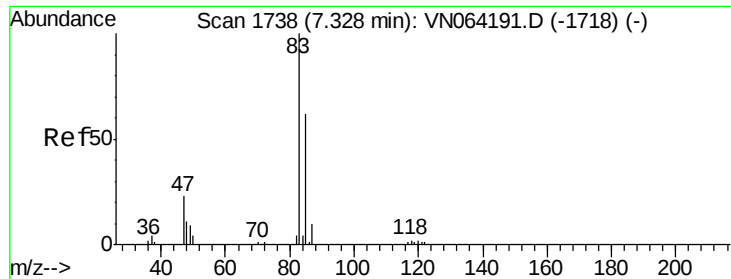


#24

Methyl tert-Butyl Ether
 Concen: 4.913 ug/l
 RT: 4.99 min Scan# 1010
 Delta R.T. -0.00 min
 Lab File: VN064198.D
 Acq: 20 Oct 2020 16:19

Tgt Ion	73	43	Ratio	100	7.0	Resp	47550	Lower	Upper
Ion	73	43	Ratio	100	7.0	Resp	47550	Lower	Upper





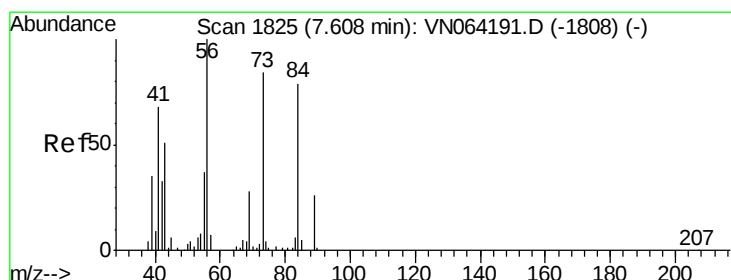
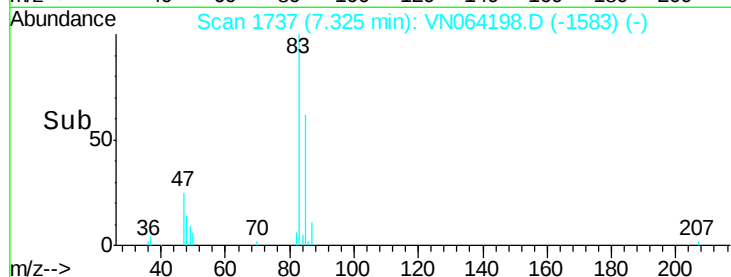
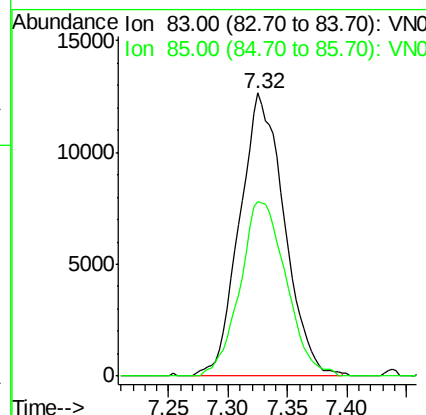
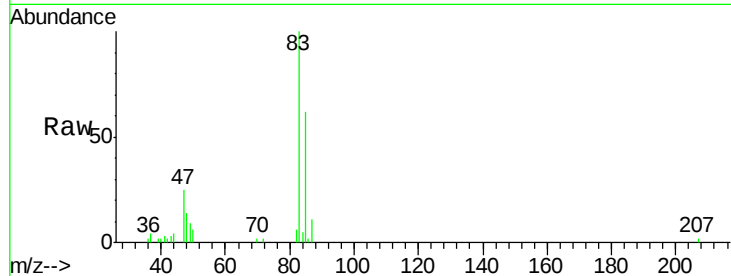
#25
Chloroform
Concen: 5.151 ug/l
RT: 7.32 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN064198.D
Acq: 20 Oct 2020 16:19

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

Tot Ion	83	Resp	32890
Ion Ratio	100	Lower	Upper
83	100		
85	61.7	49.7	74.5

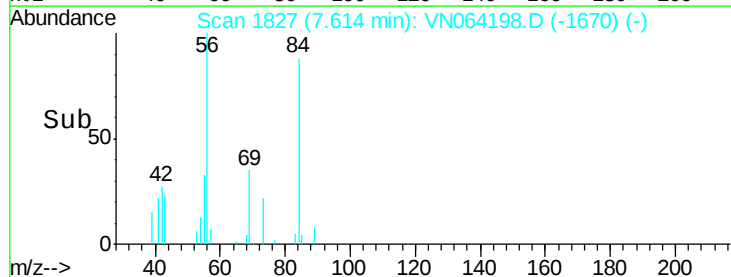
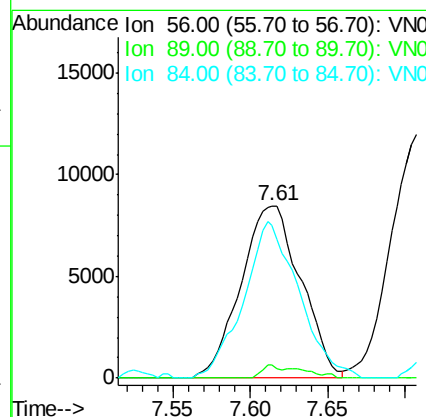
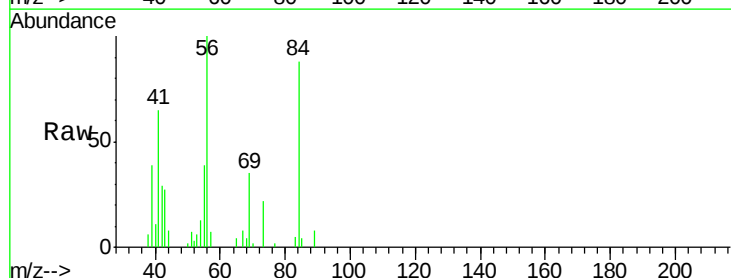
Manual Integrations
APPROVED

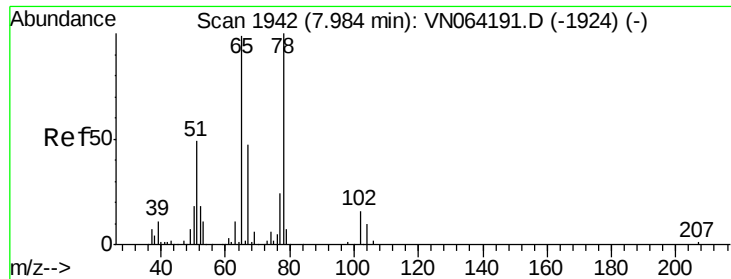
MMDadoda
10/23/2020 2:28:50 PM



#26
Cyclohexane
Concen: 4.692 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. 0.01 min
Lab File: VN064198.D
Acq: 20 Oct 2020 16:19

Tgt Ion	56	Resp	22861
Ion Ratio	100	Lower	Upper
56	100		
89	2.4	21.4	32.0#
84	83.6	65.8	98.6





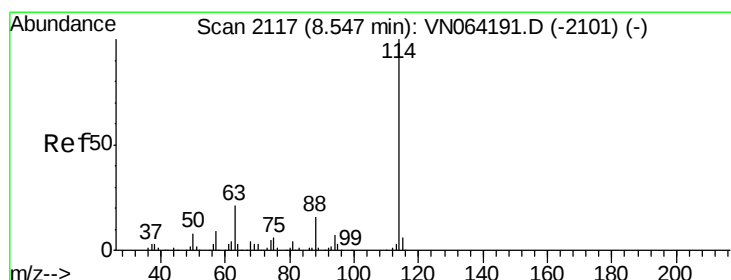
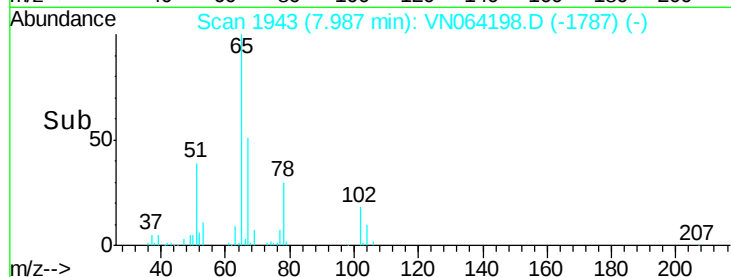
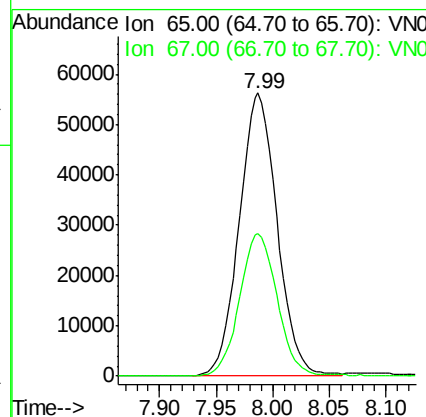
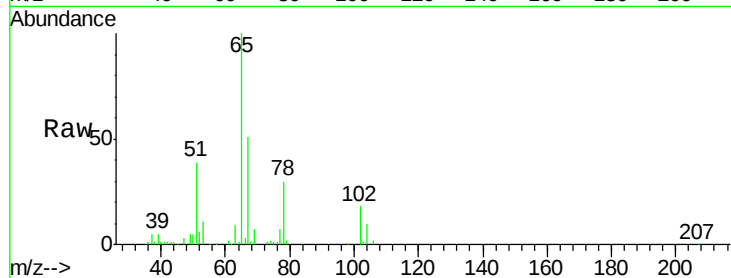
#27
 1,2-Dichloroethane-d4
 Concen: 31.248 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064198.D
 Acq: 20 Oct 2020 16:19

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.2	39.8	59.6

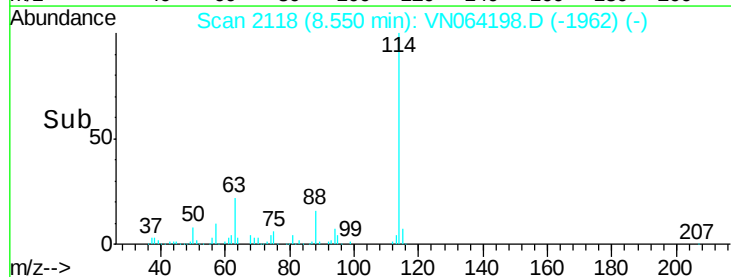
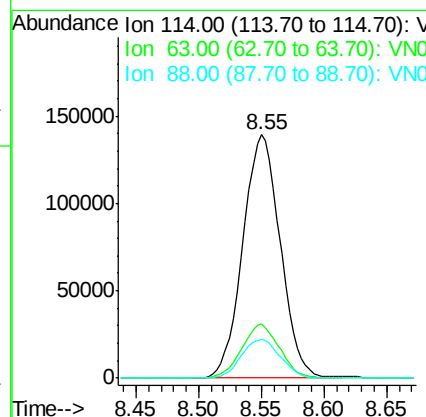
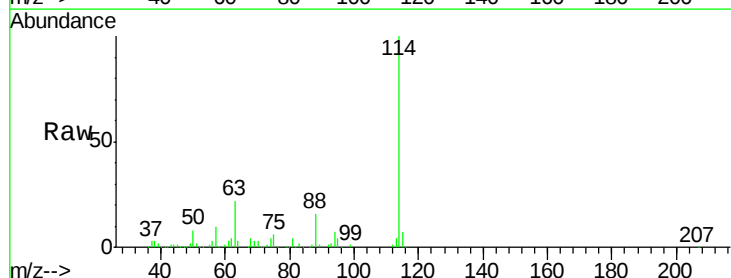
Manual Integrations
 APPROVED

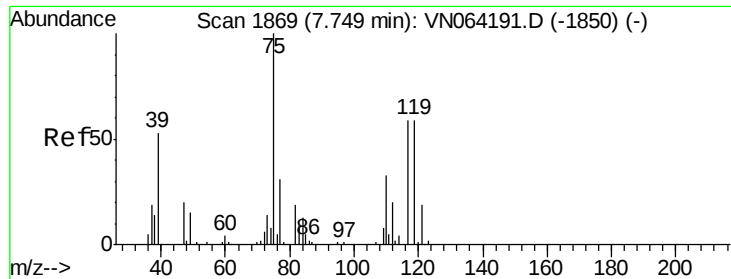
MMDadoda
 10/23/2020 2:28:50 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064198.D
 Acq: 20 Oct 2020 16:19

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.2	17.0	25.4
88	16.6	13.0	19.4





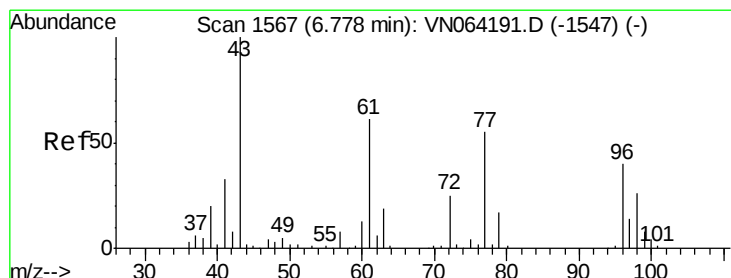
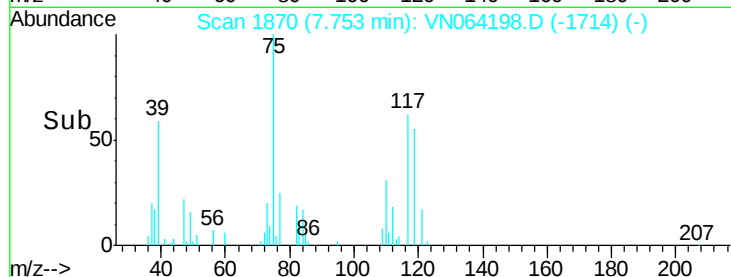
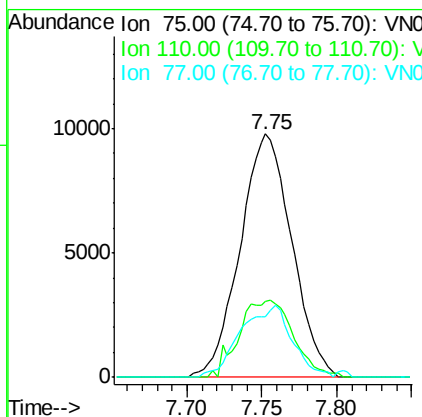
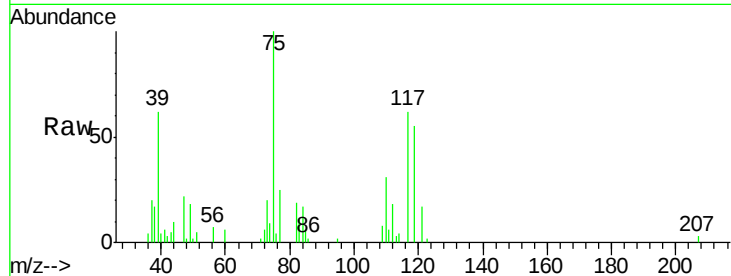
#29
 1,1-Dichloropropene
 Concen: 4.888 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VN064198.D
 Acq: 20 Oct 2020 16:19

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	6.1	0.0	66.8
77	13.6	0.0	63.6

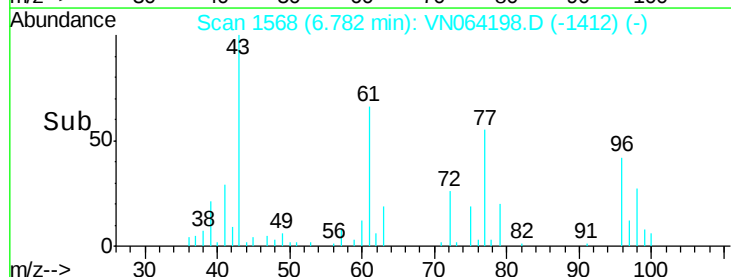
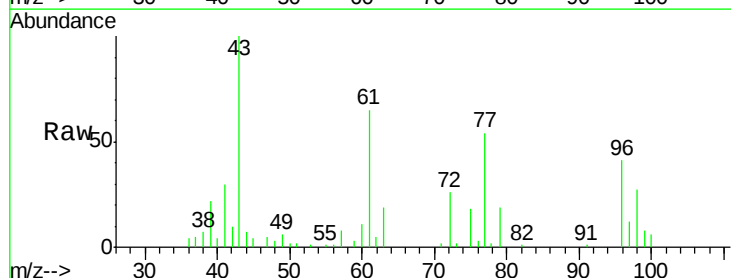
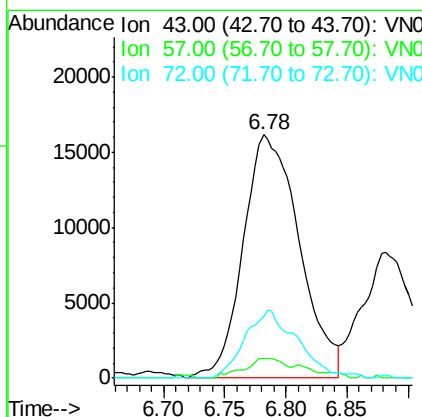
Manual Integrations
 APPROVED

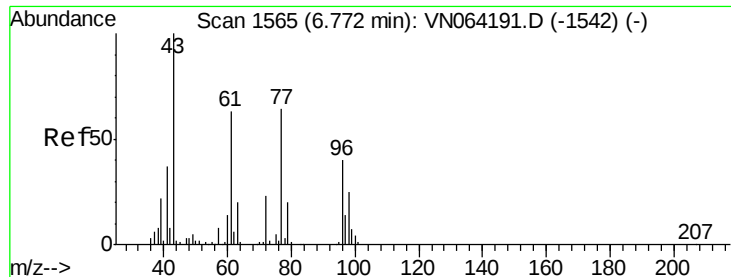
MMDadoda
 10/23/2020 2:28:50 PM



#30
 2-Butanone
 Concen: 26.014 ug/l
 RT: 6.78 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VN064198.D
 Acq: 20 Oct 2020 16:19

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	4.9	5.8	8.6#
72	19.6	19.8	29.8#





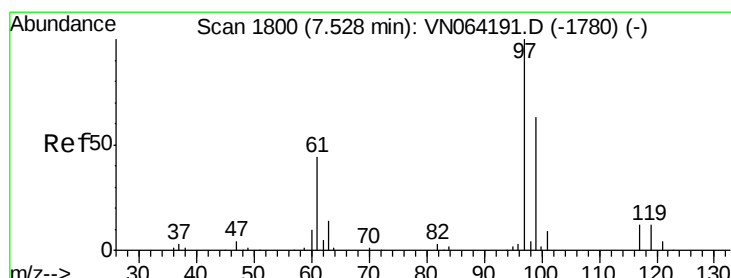
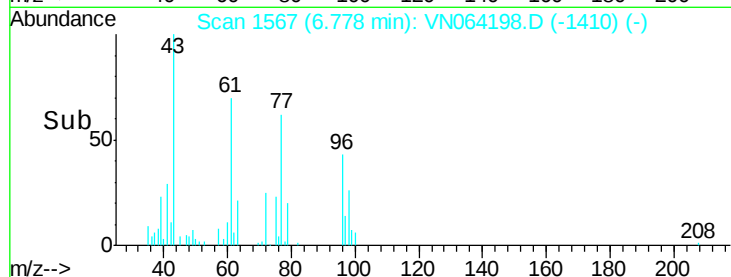
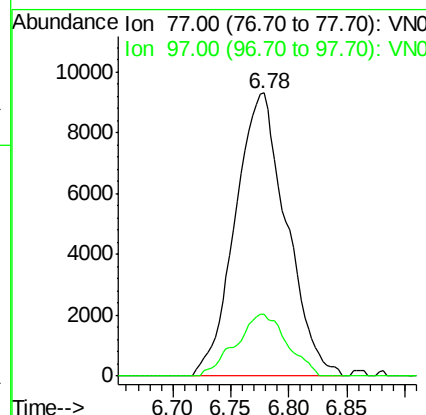
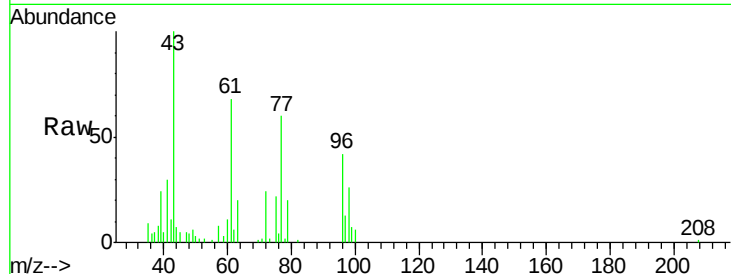
#31
 2,2-Dichloropropane
 Concen: 4.677 ug/l
 RT: 6.78 min Scan# 1567
 Delta R.T. 0.01 min
 Lab File: VN064198.D
 Acq: 20 Oct 2020 16:19

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

Tot Ion: 77 Resp: 28550
 Ion Ratio Lower Upper
 77 100
 97 4.7 17.3 25.9#

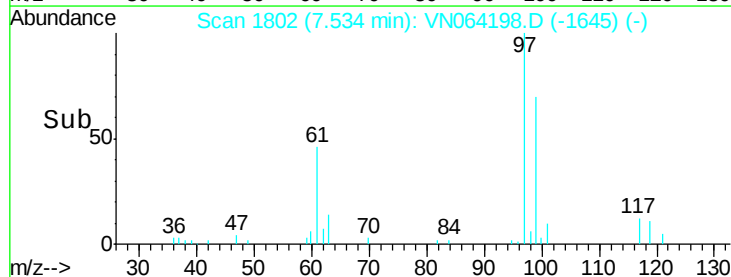
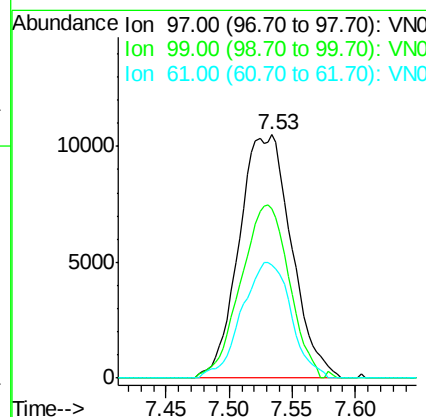
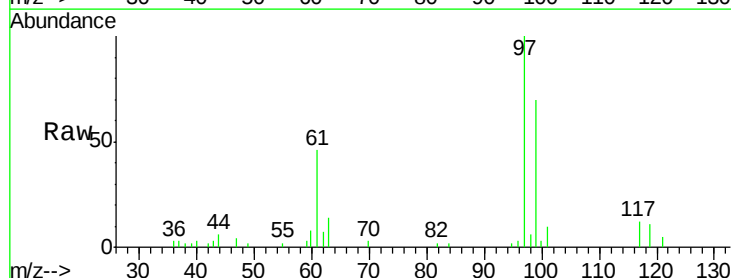
Manual Integrations
 APPROVED

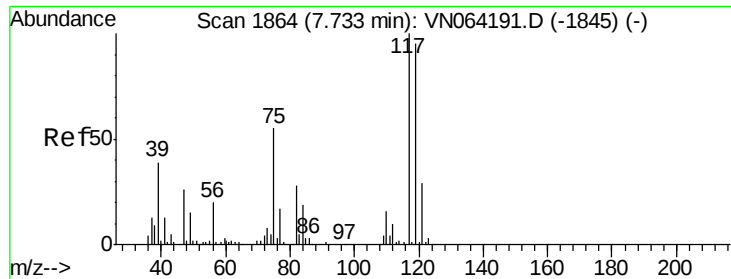
MMDadoda
 10/23/2020 2:28:50 PM



#32
 1,1,1-Trichloroethane
 Concen: 4.938 ug/l m
 RT: 7.53 min Scan# 1802
 Delta R.T. 0.01 min
 Lab File: VN064198.D
 Acq: 20 Oct 2020 16:19

Tgt Ion: 97 Resp: 30253
 Ion Ratio Lower Upper
 97 100
 99 65.8 51.3 76.9
 61 44.5 34.8 52.2





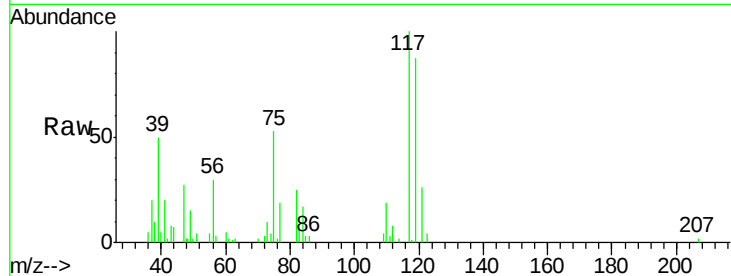
#33
Carbon Tetrachloride
Concen: 4.826 ug/l
RT: 7.74 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN064198.D
Acq: 20 Oct 2020 16:19

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

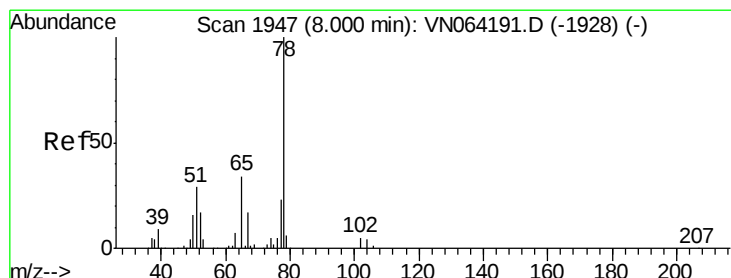
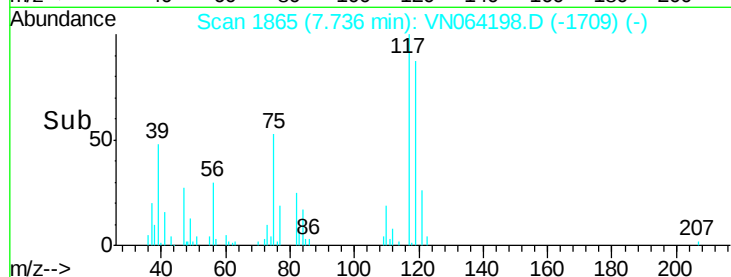
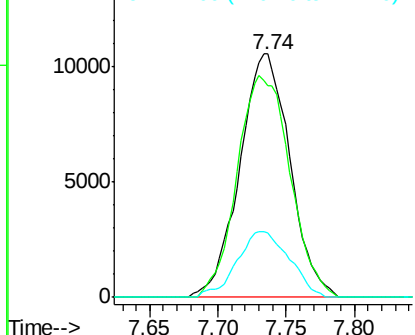
Tot Ion	Ratio	Lower	Upper
117	100		
119	87.0	76.0	114.0
121	26.5	23.0	34.6

Manual Integrations
APPROVED

MMDadoda
10/23/2020 2:28:50 PM



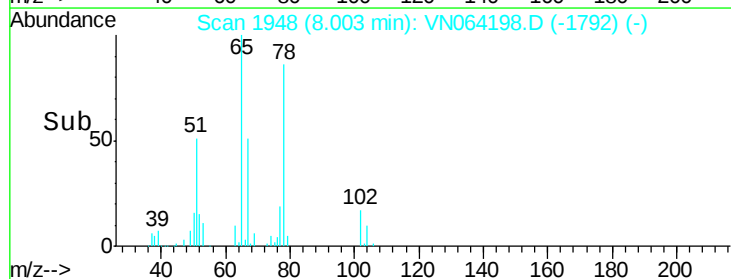
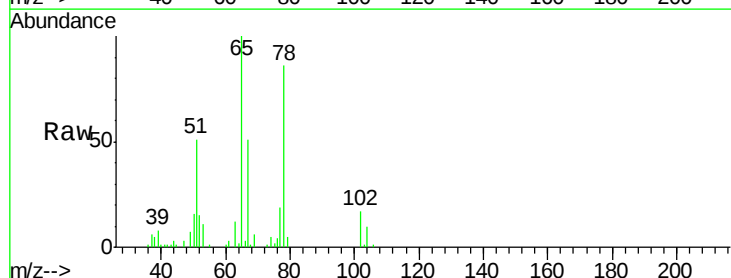
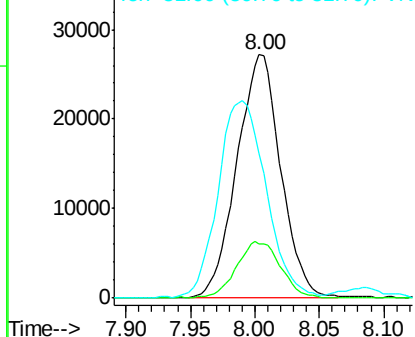
Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

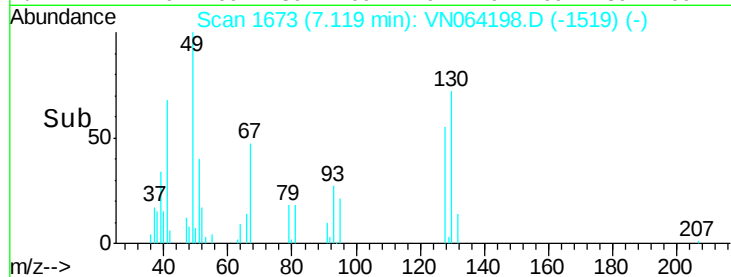
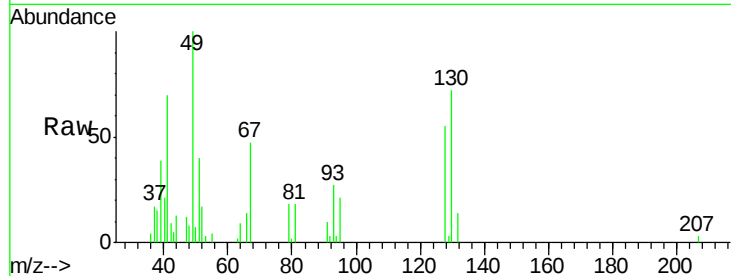
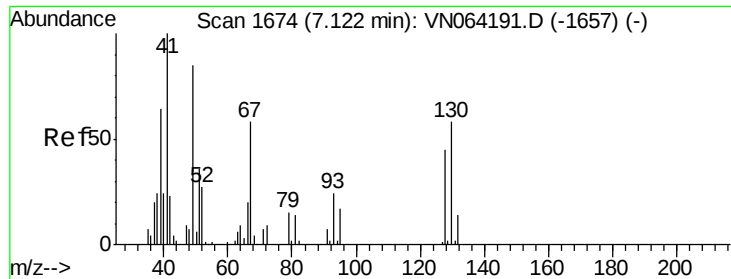


#34
Benzene
Concen: 4.819 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN064198.D
Acq: 20 Oct 2020 16:19

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.2	18.4	27.6
51	57.0	23.0	34.6#

Abundance Ion 78.10 (77.80 to 78.80): VNO
Ion 77.00 (76.70 to 77.70): VNO
Ion 51.00 (50.70 to 51.70): VNO





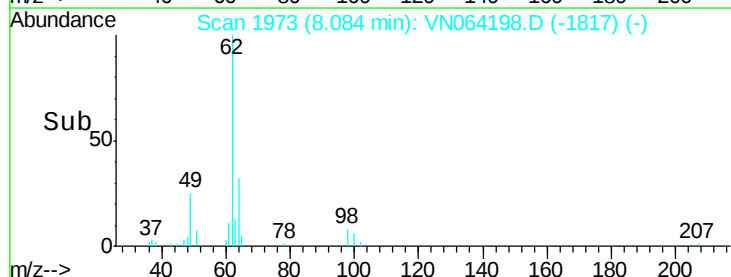
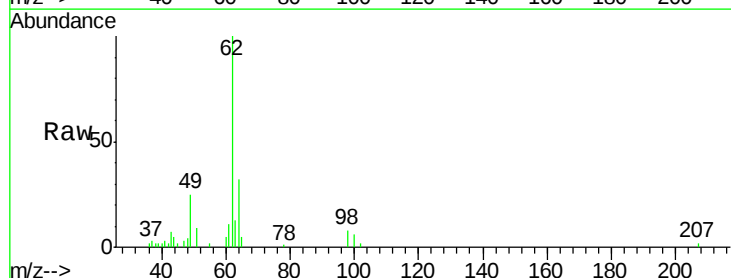
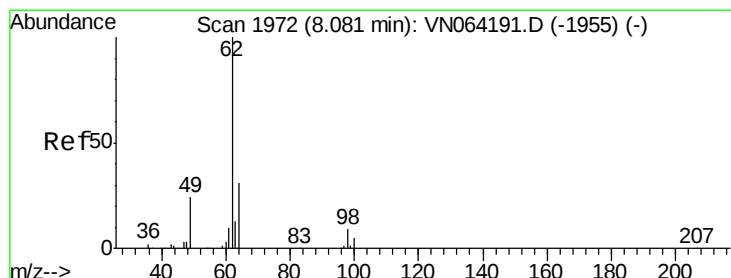
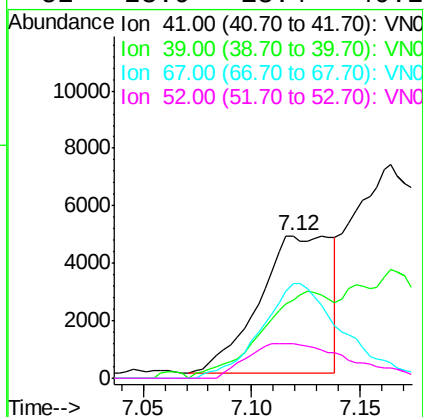
#35
Methacrylonitrile
Concen: 5.162 ug/l m
RT: 7.12 min Scan# 1673
Delta R.T. -0.00 min
Lab File: VN064198.D
Acq: 20 Oct 2020 16:19

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		11227		
39	55.1	32.1	96.3		
67	66.6	28.9	86.8		
52	23.9	13.4	40.2		

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

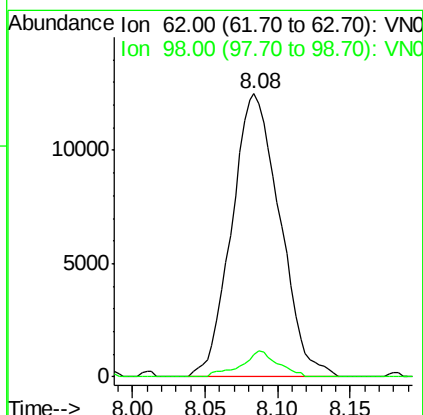
Manual Integrations
APPROVED

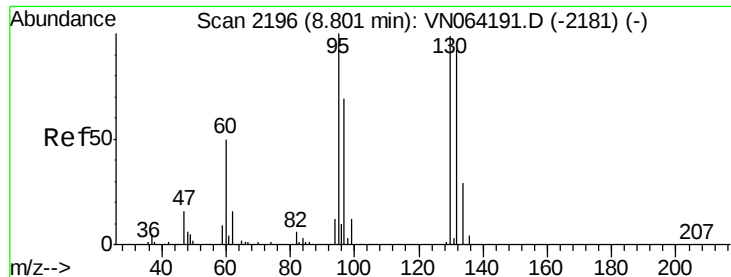
MMDadoda
10/23/2020 2:28:50 PM



#36
1,2-Dichloroethane
Concen: 5.317 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN064198.D
Acq: 20 Oct 2020 16:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		28794		
98	7.1	6.3	9.5		





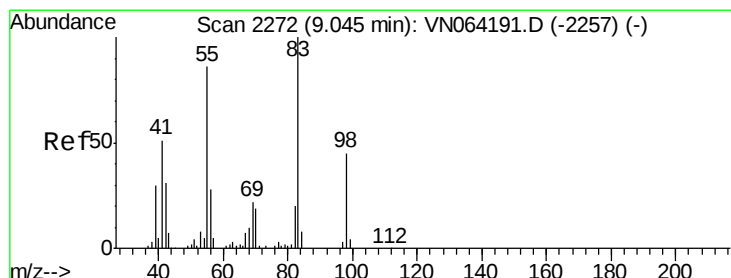
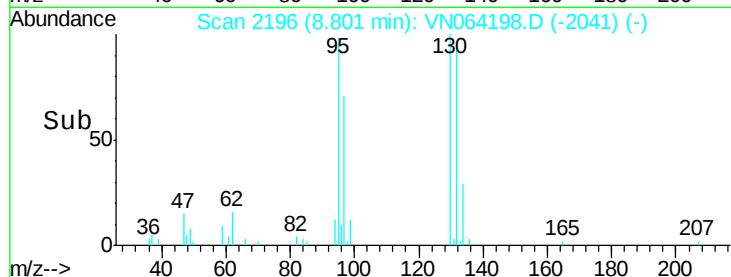
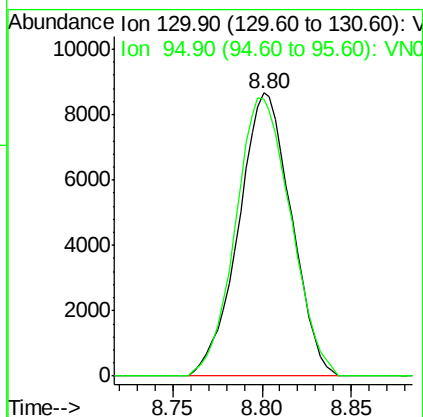
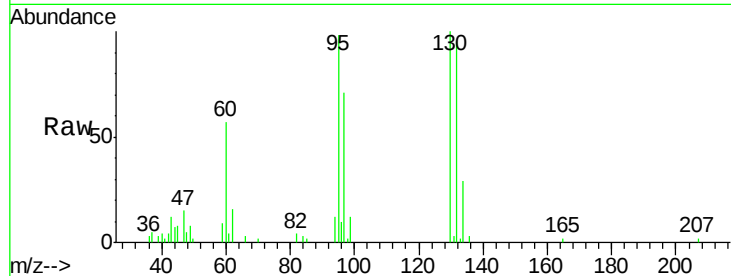
#37
 Trichloroethene
 Concen: 4.856 ug/l
 RT: 8.80 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN064198.D
 Acq: 20 Oct 2020 16:19

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

Tot Ion:130 Resp: 17904
 Ion Ratio Lower Upper
 130 100
 95 97.7 81.0 121.4

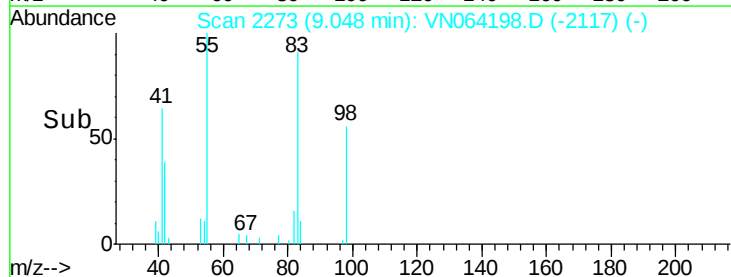
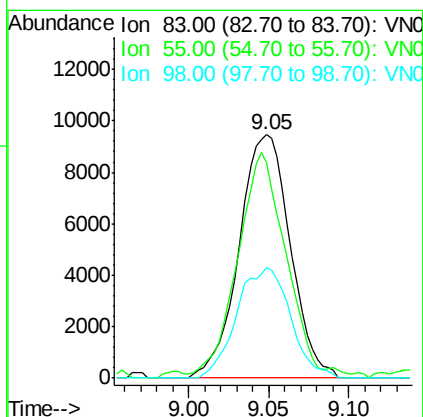
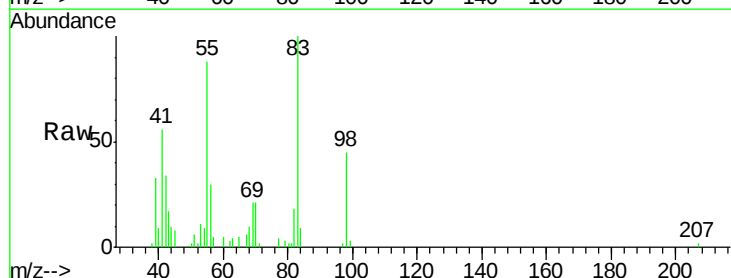
Manual Integrations
 APPROVED

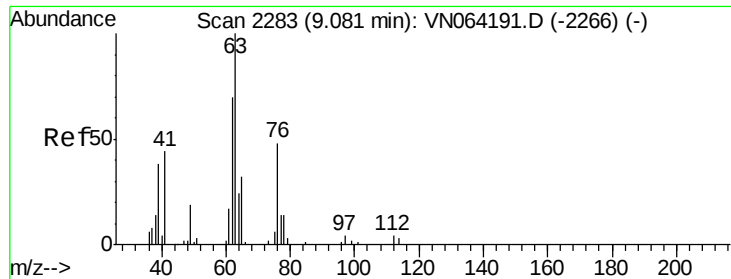
MMDadoda
 10/23/2020 2:28:50 PM



#38
 Methylcyclohexane
 Concen: 4.511 ug/l
 RT: 9.05 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN064198.D
 Acq: 20 Oct 2020 16:19

Tgt Ion: 83 Resp: 20744
 Ion Ratio Lower Upper
 83 100
 55 86.8 40.3 120.9
 98 47.5 22.4 67.0





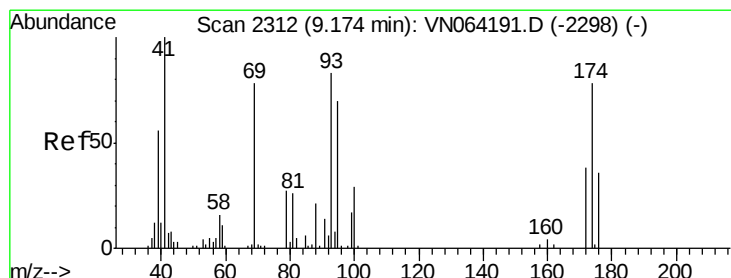
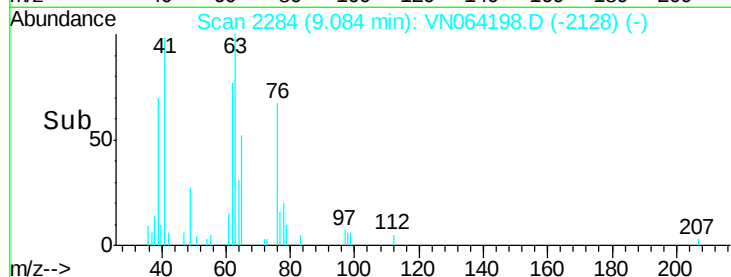
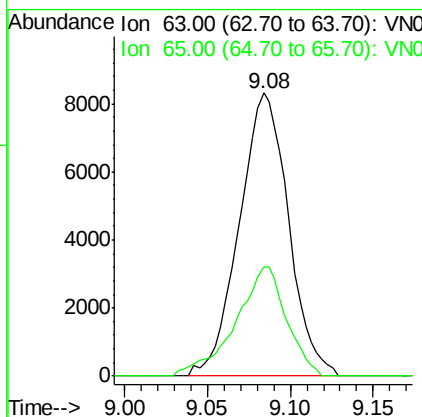
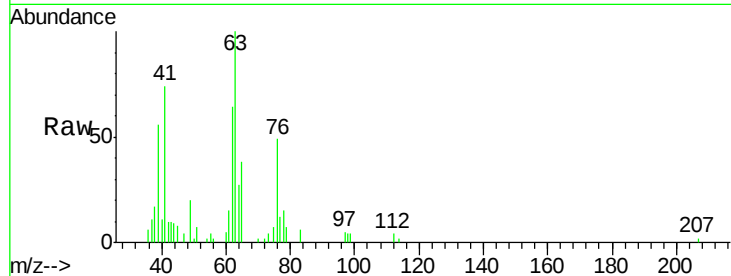
#39
 1,2-Dichloropropane
 Concen: 4.814 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN064198.D
 Acq: 20 Oct 2020 16:19

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

Tot Ion: 63 Resp: 17203
 Ion Ratio Lower Upper
 63 100
 65 38.5 26.5 39.7

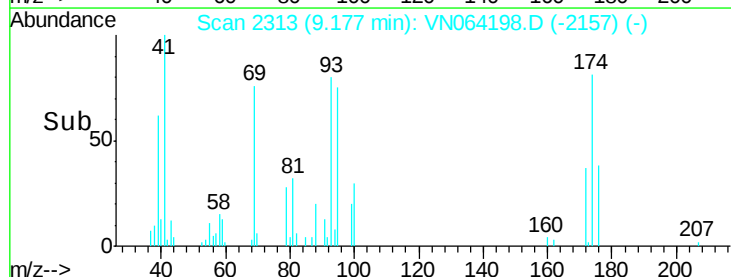
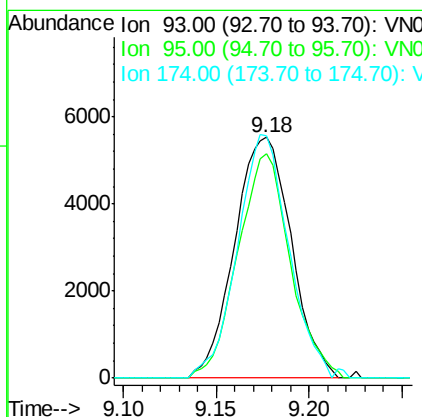
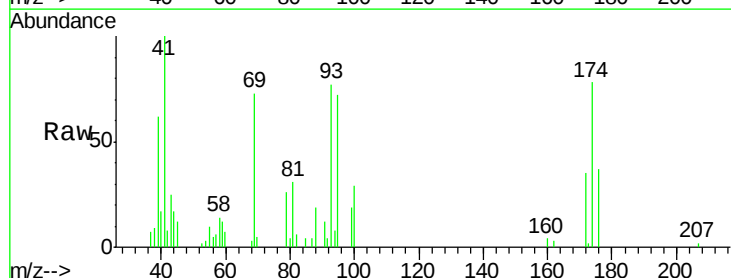
Manual Integrations
 APPROVED

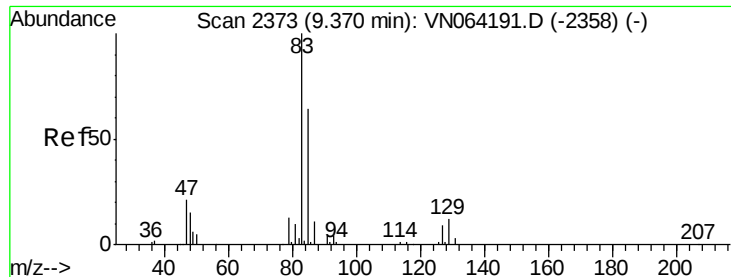
MMDadoda
 10/23/2020 2:28:50 PM



#40
 Dibromomethane
 Concen: 4.713 ug/l
 RT: 9.18 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN064198.D
 Acq: 20 Oct 2020 16:19

Tgt Ion: 93 Resp: 11717
 Ion Ratio Lower Upper
 93 100
 95 86.4 0.0 169.2
 174 91.3 0.0 187.4





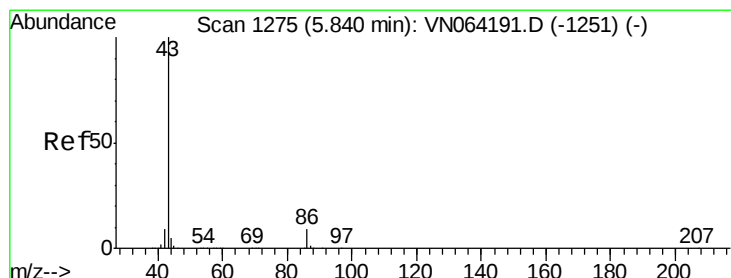
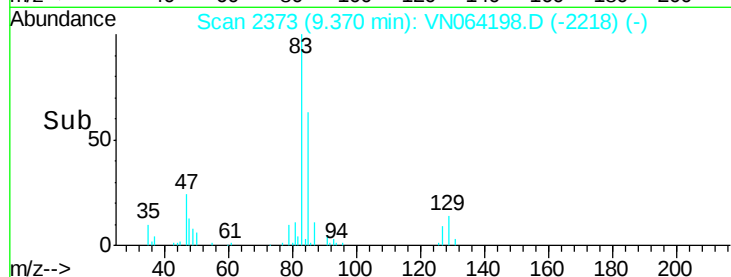
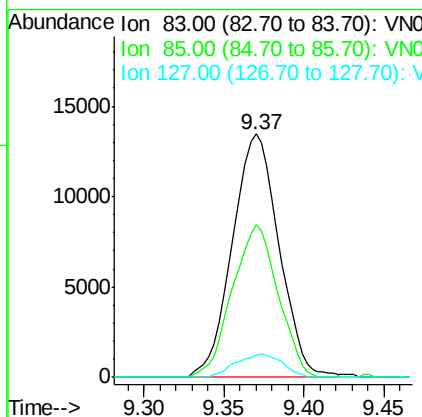
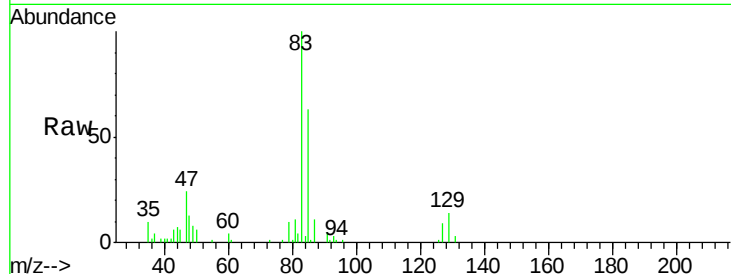
#41
Bromodichloromethane
Concen: 4.983 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN064198.D
Acq: 20 Oct 2020 16:19

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

Tot Ion	83	Resp	26810
Ion Ratio	100	Lower	Upper
83	100		
85	62.8	51.5	77.3
127	9.0	6.8	10.2

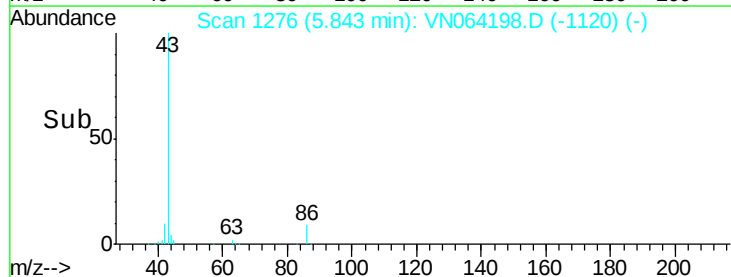
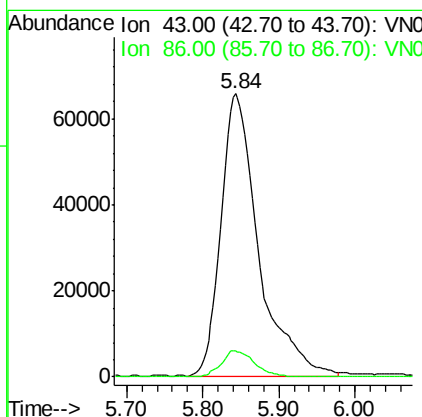
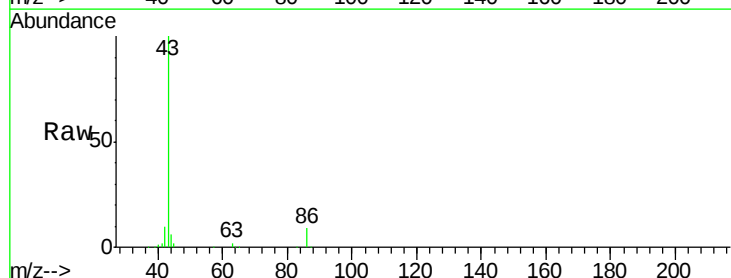
Manual Integrations
APPROVED

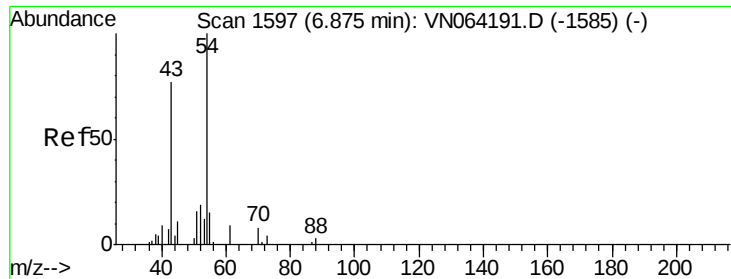
MMDadoda
10/23/2020 2:28:50 PM



#42
Vinyl Acetate
Concen: 23.987 ug/l
RT: 5.84 min Scan# 1276
Delta R.T. 0.00 min
Lab File: VN064198.D
Acq: 20 Oct 2020 16:19

Tgt Ion	43	Resp	225803
Ion Ratio	100	Lower	Upper
43	100		
86	8.2	6.7	10.1





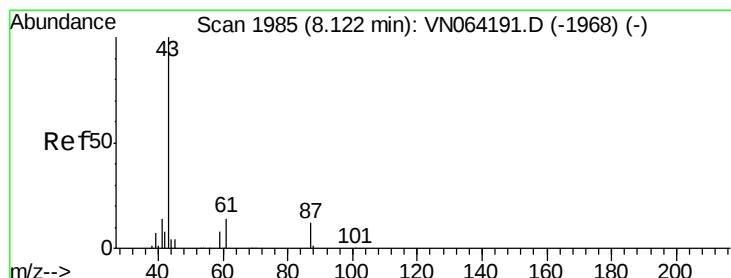
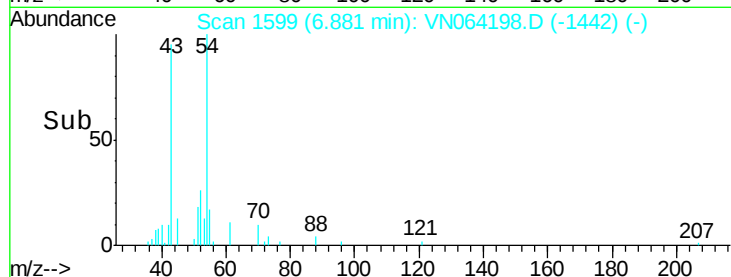
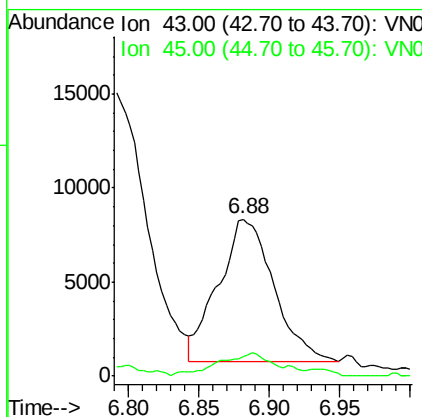
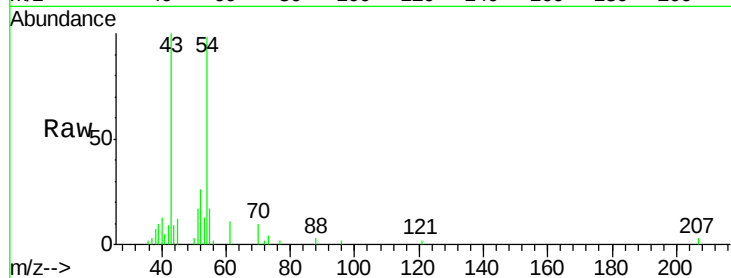
#43
Ethyl Acetate
Concen: 4.762 ug/l m
RT: 6.88 min Scan# 1599
Delta R.T. 0.01 min
Lab File: VN064198.D
Acq: 20 Oct 2020 16:19

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

Tot Ion	43	Ratio	Lower	Upper
20623	100			
45	0.4	9.8	14.8#	

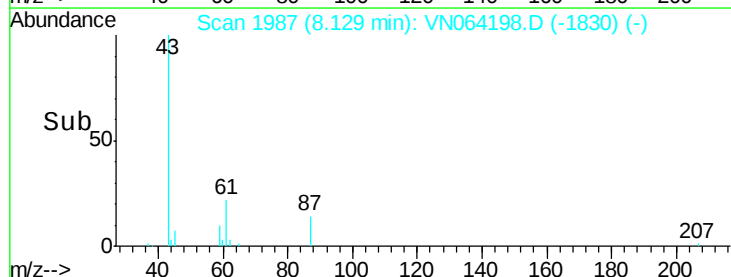
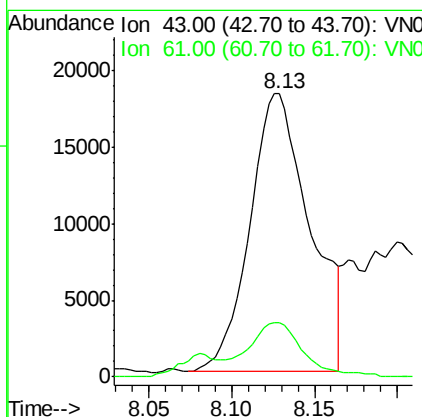
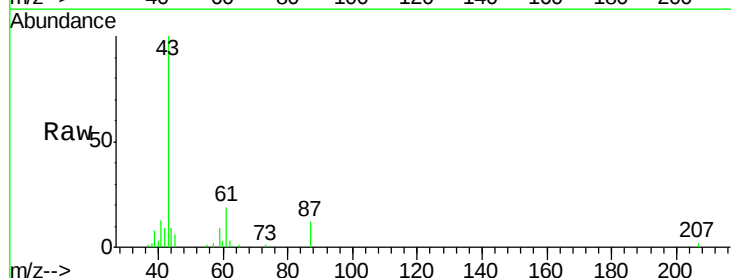
Manual Integrations
APPROVED

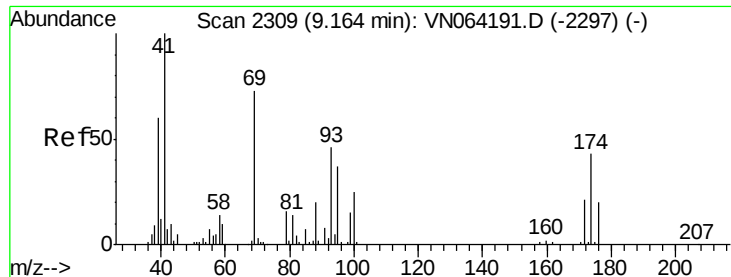
MMDadoda
10/23/2020 2:28:50 PM



#44
Isopropyl Acetate
Concen: 5.496 ug/l
RT: 8.13 min Scan# 1987
Delta R.T. 0.01 min
Lab File: VN064198.D
Acq: 20 Oct 2020 16:19

Tgt Ion	43	Ratio	Lower	Upper
45695	100			
61	16.6	18.7	28.1#	





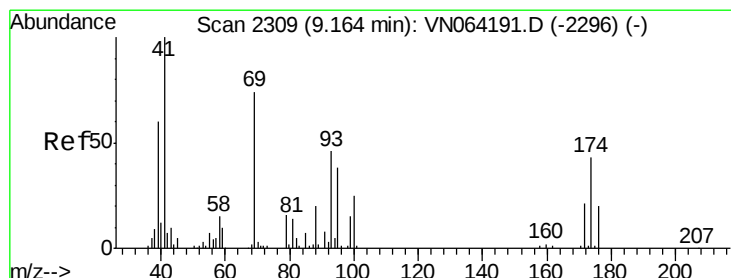
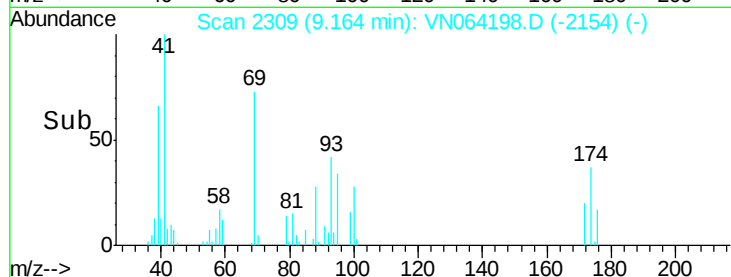
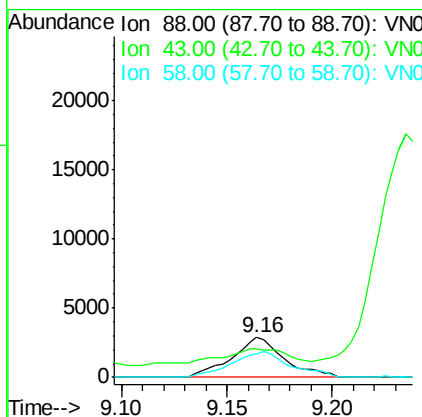
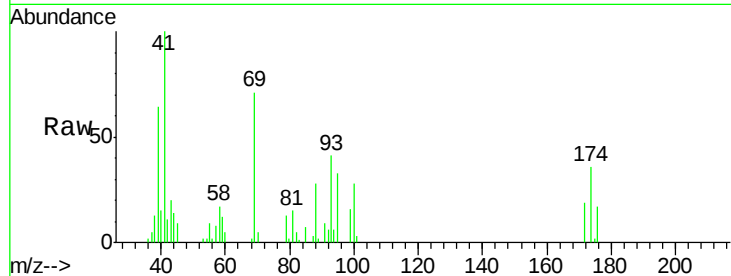
#45
1,4-Dioxane
Concen: 101.139 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN064198.D
Acq: 20 Oct 2020 16:19

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

Tot Ion	88	Resp	4918
Ion	Ratio	Lower	Upper
88	100		
43	26.9	37.0	55.4#
58	72.7	62.4	93.6

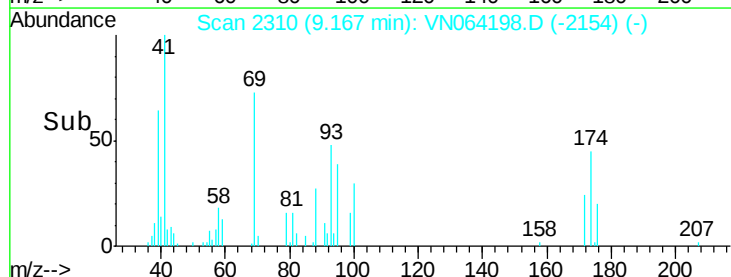
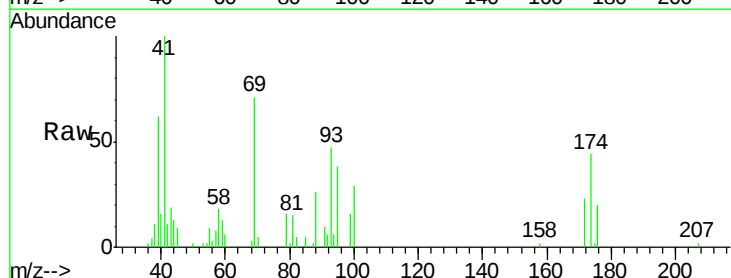
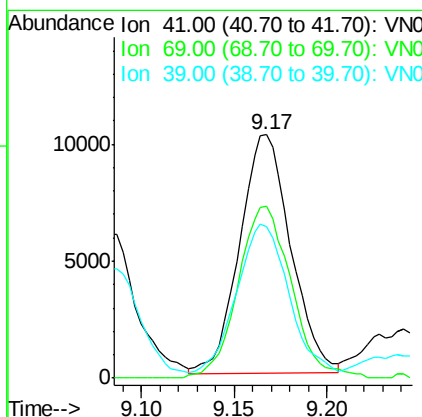
Manual Integrations
APPROVED

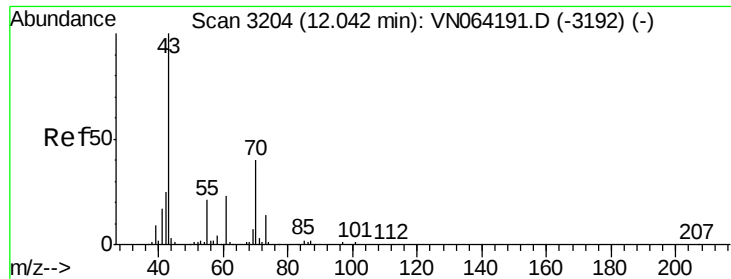
MMDadoda
10/23/2020 2:28:50 PM



#46
Methyl methacrylate
Concen: 4.980 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN064198.D
Acq: 20 Oct 2020 16:19

Tgt Ion	41	Resp	19644
Ion	Ratio	Lower	Upper
41	100		
69	72.1	36.8	110.4
39	62.2	30.4	91.2





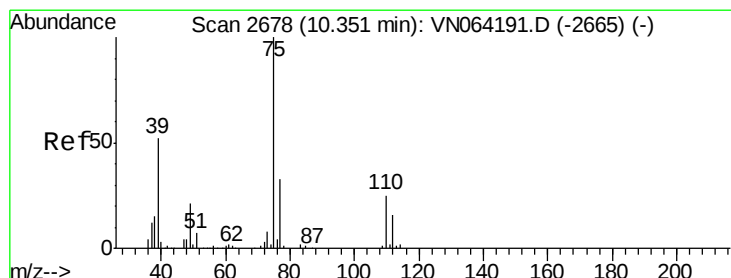
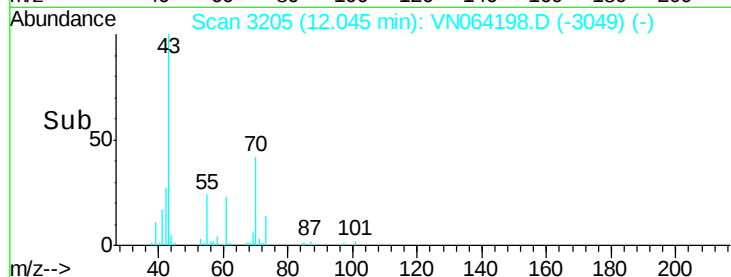
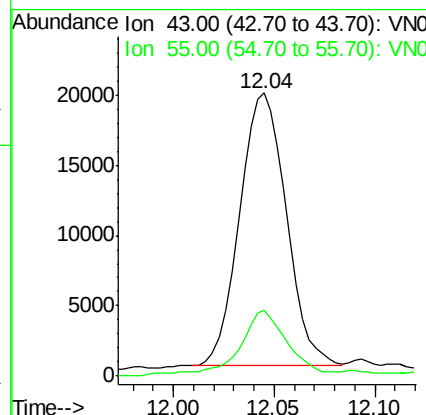
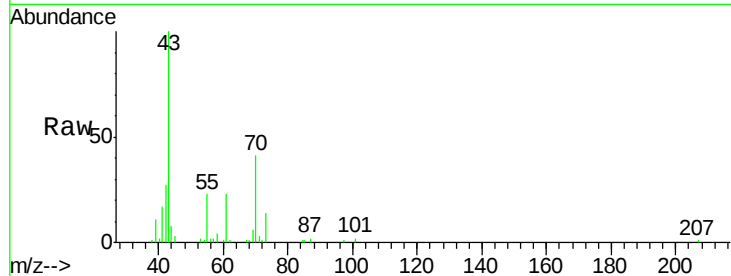
#47
n-amvl Acetate
Concen: 4.253 ug/l
RT: 12.04 min Scan# 3205
Delta R.T. 0.00 min
Lab File: VN064198.D
Acq: 20 Oct 2020 16:19

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

Tot Ion: 43 Resp: 31366
Ion Ratio Lower Upper
43 100
55 21.6 17.6 26.4

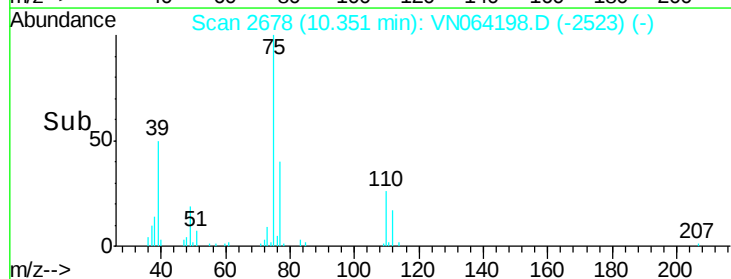
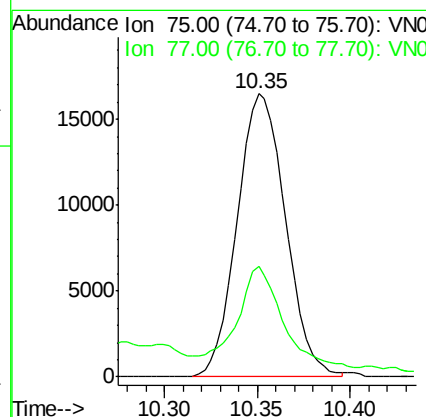
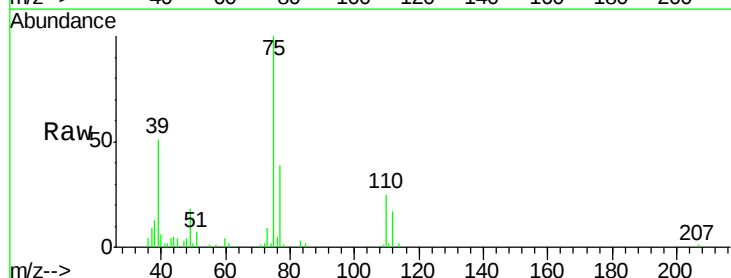
Manual Integrations
APPROVED

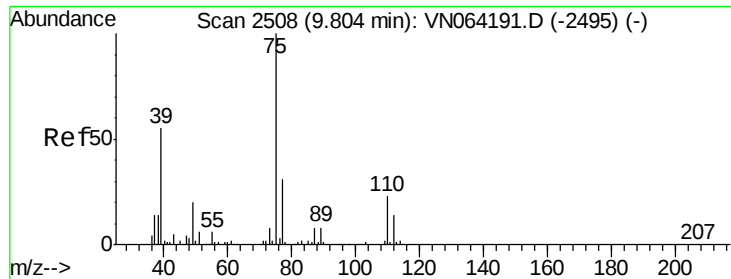
MMDadoda
10/23/2020 2:28:50 PM



#48
t-1,3-Dichloropropene
Concen: 4.915 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN064198.D
Acq: 20 Oct 2020 16:19

Tgt Ion: 75 Resp: 29826
Ion Ratio Lower Upper
75 100
77 34.6 27.4 41.2





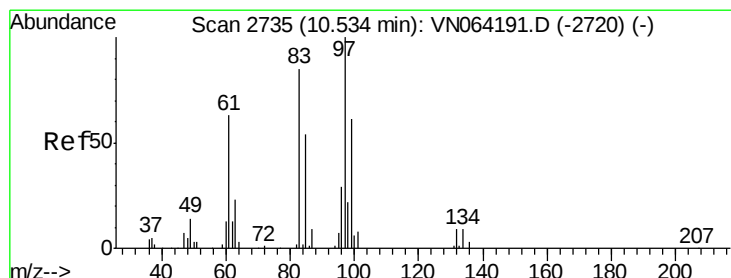
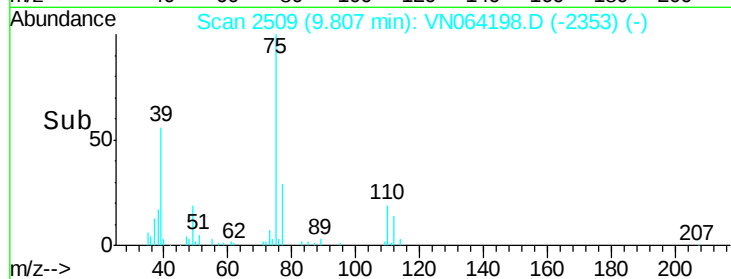
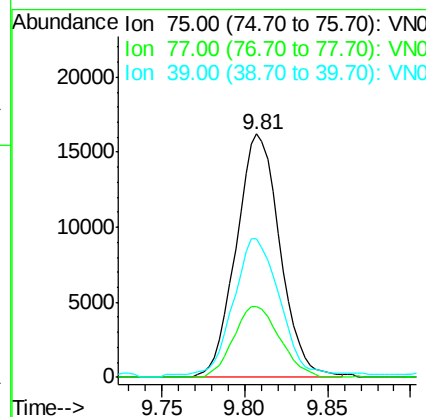
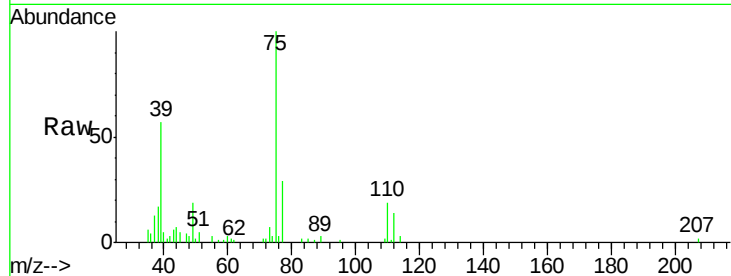
#49
 cis-1,3-Dichloropropene
 Concen: 4.752 ug/l
 RT: 9.81 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN064198.D
 Acq: 20 Oct 2020 16:19

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

Tot Ion:	75	Resp:	29797
Ion Ratio	Lower	Upper	
75	100		
77	29.2	24.5	36.7
39	55.6	43.8	65.8

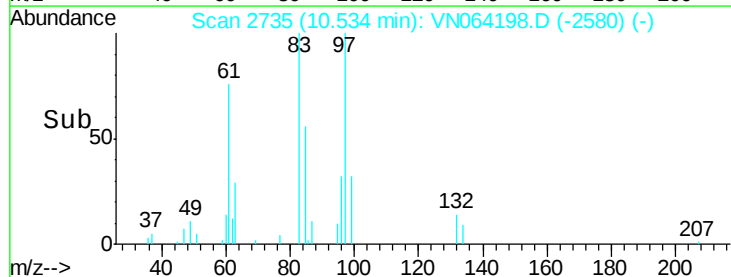
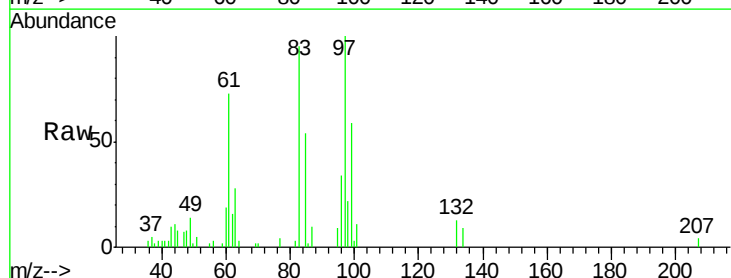
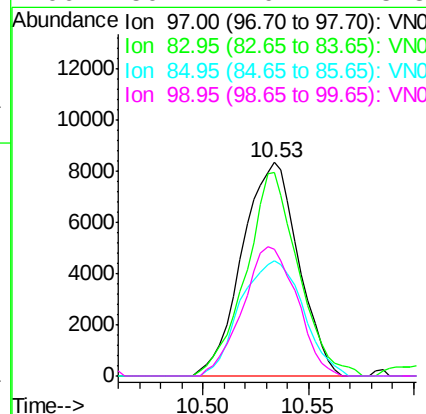
Manual Integrations
 APPROVED

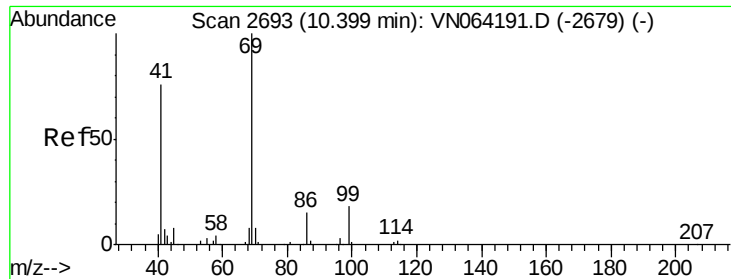
MMDadoda
 10/23/2020 2:28:50 PM



#50
 1,1,2-Trichloroethane
 Concen: 4.643 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. -0.00 min
 Lab File: VN064198.D
 Acq: 20 Oct 2020 16:19

Tgt Ion:	97	Resp:	15465
Ion Ratio	Lower	Upper	
97	100		
83	95.3	67.7	101.5
85	53.8	43.2	64.8
99	59.2	49.2	73.8





#51

Ethyl methacrylate

Concen: 5.041 ug/l

RT: 10.40 min Scan# 2693

Delta R.T. -0.00 min

Lab File: VN064198.D

Acq: 20 Oct 2020 16:19

Instrument :

MSVOA_N

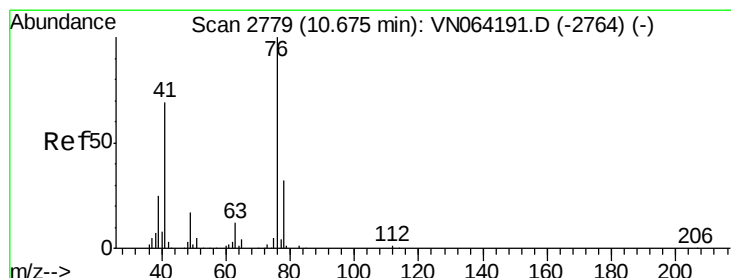
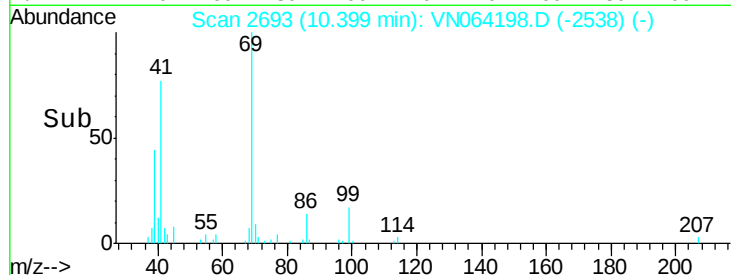
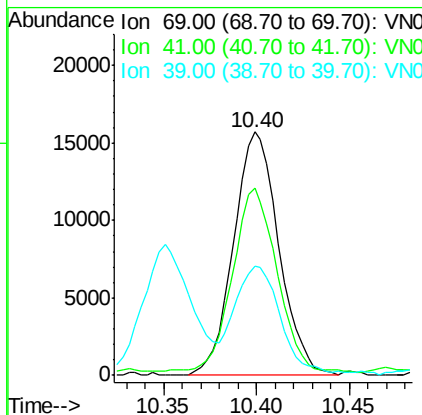
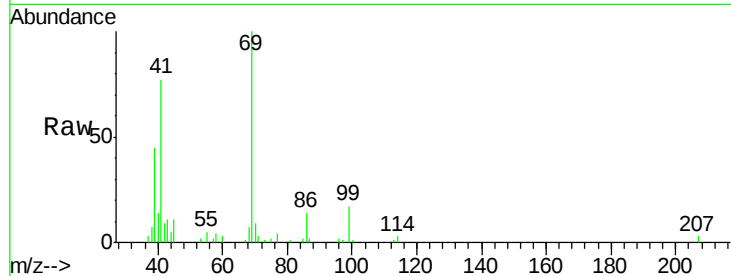
ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion:	69	Resp:	26549
Ion	Ratio	Lower	Upper
69	100		
41	74.9	38.0	114.1
39	43.3	21.4	64.3

Manual Integrations
APPROVED

MMDadoda
10/23/2020 2:28:50 PM



#52

1,3-Dichloropropane

Concen: 4.863 ug/l

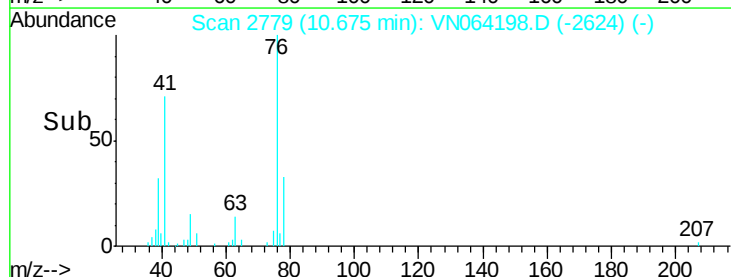
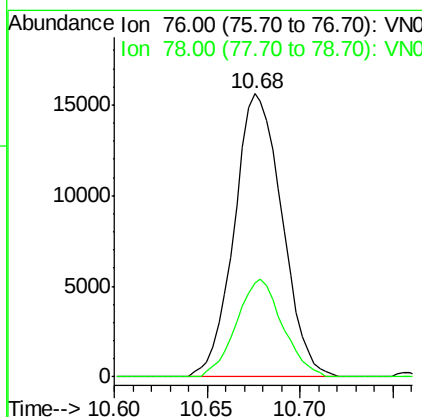
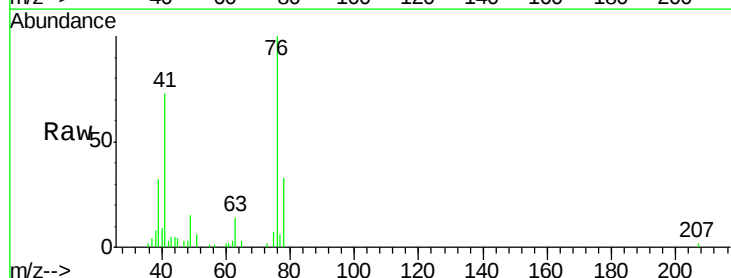
RT: 10.68 min Scan# 2779

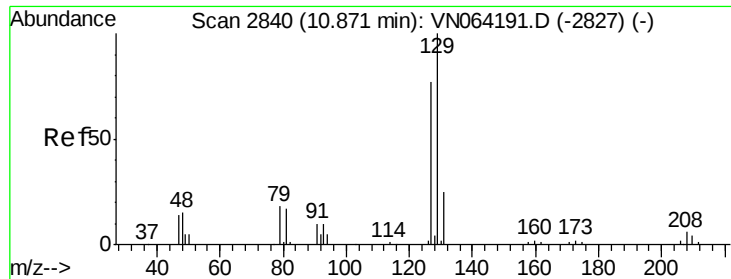
Delta R.T. -0.00 min

Lab File: VN064198.D

Acq: 20 Oct 2020 16:19

Tgt Ion:	76	Resp:	27923
Ion	Ratio	Lower	Upper
76	100		
78	33.3	0.0	64.4





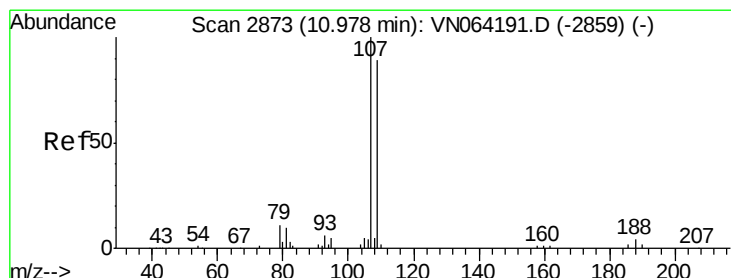
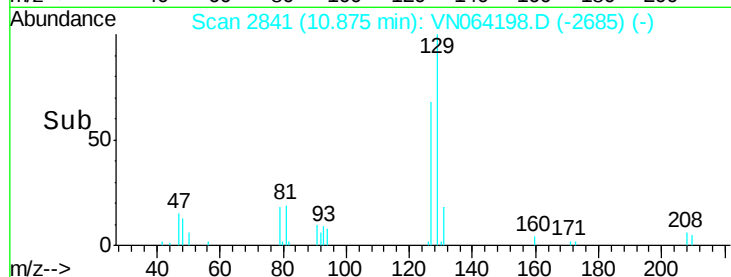
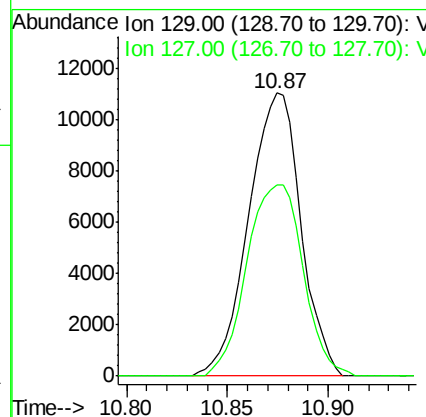
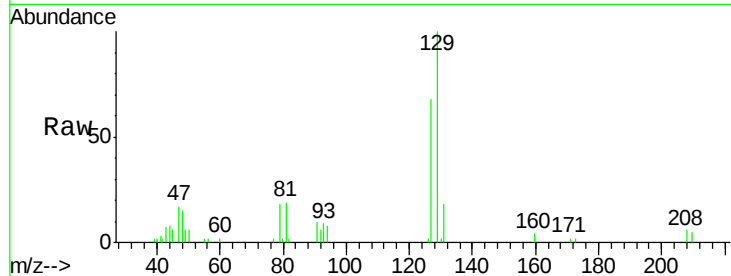
#53
Dibromochloromethane
Concen: 4.784 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN064198.D
Acq: 20 Oct 2020 16:19

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

Tot Ion:129 Resp: 20054
Ion Ratio Lower Upper
129 100
127 72.7 39.0 117.0

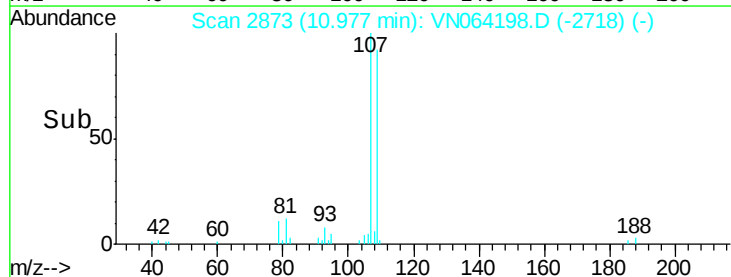
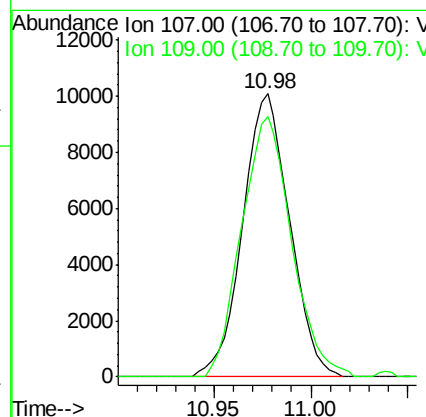
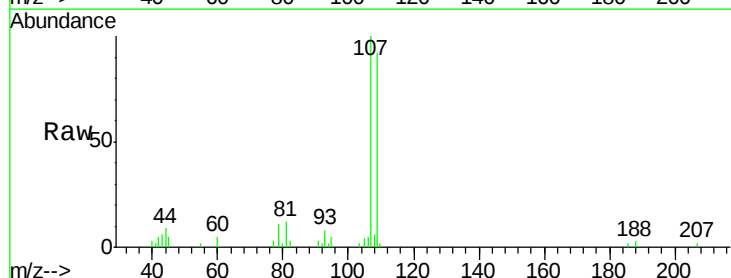
Manual Integrations
APPROVED

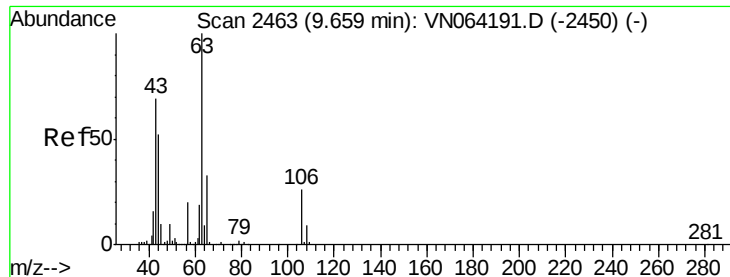
MMDadoda
10/23/2020 2:28:50 PM



#54
1,2-Dibromoethane
Concen: 4.809 ug/l
RT: 10.98 min Scan# 2873
Delta R.T. -0.00 min
Lab File: VN064198.D
Acq: 20 Oct 2020 16:19

Tgt Ion:107 Resp: 17026
Ion Ratio Lower Upper
107 100
109 97.9 71.8 107.8





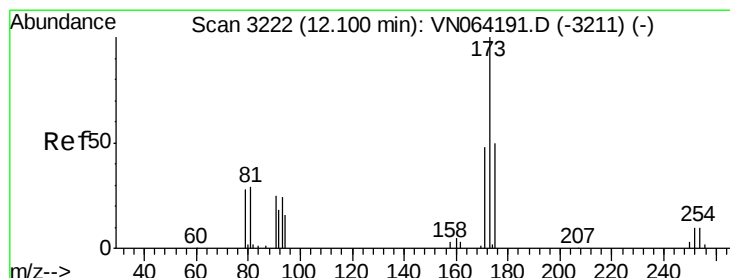
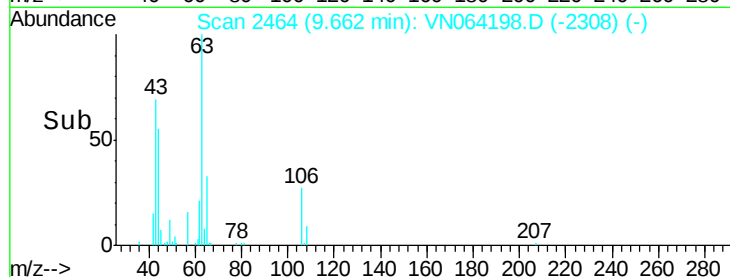
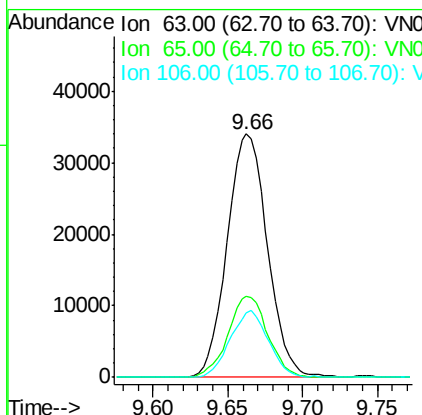
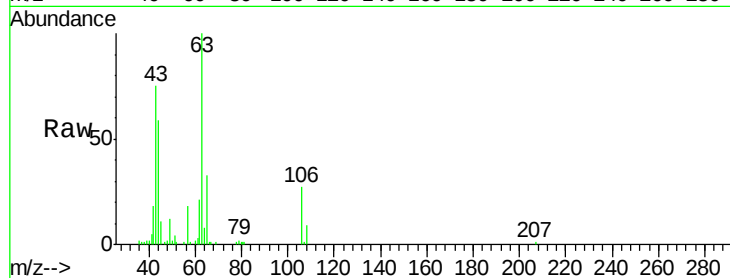
#55
2-Chloroethyl vinyl ether
Concen: 24.639 ug/l
RT: 9.66 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN064198.D
Acq: 20 Oct 2020 16:19

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.6	25.9	38.9
106	25.8	21.4	32.2

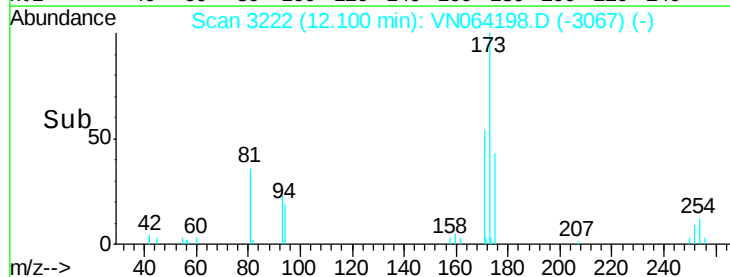
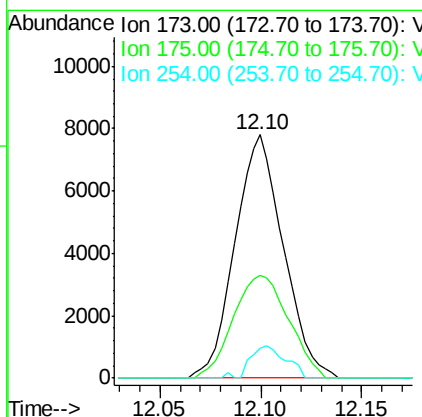
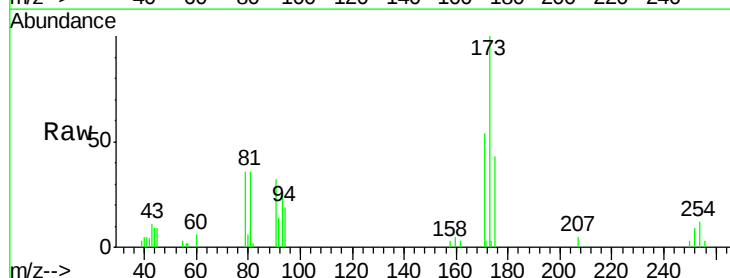
Manual Integrations
APPROVED

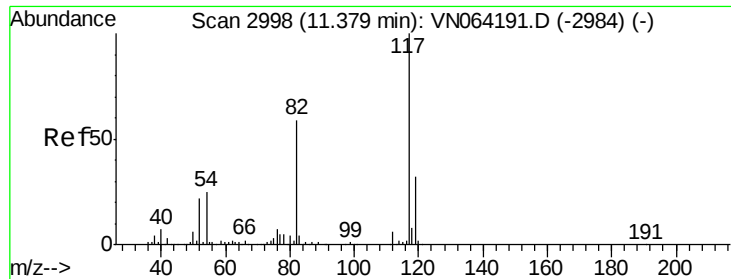
MMDadoda
10/23/2020 2:28:50 PM



#56
Bromoform
Concen: 4.482 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN064198.D
Acq: 20 Oct 2020 16:19

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.2	39.0	58.4
254	9.5	6.8	10.2





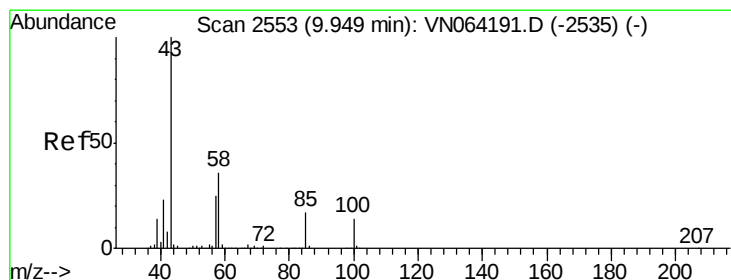
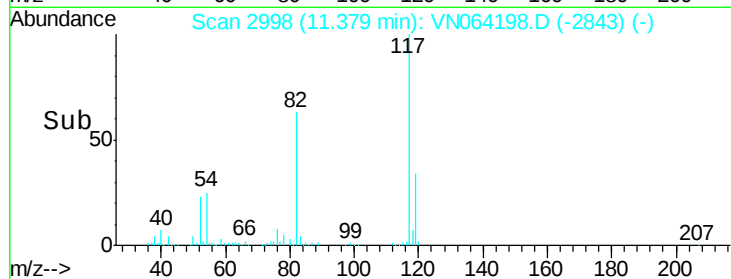
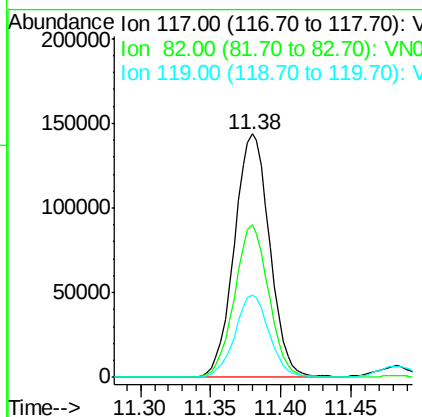
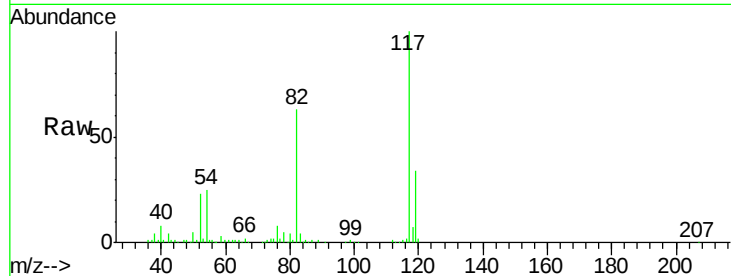
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064198.D
Acq: 20 Oct 2020 16:19

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	252109		
82	60.9	47.8	71.8	
119	32.9	25.7	38.5	

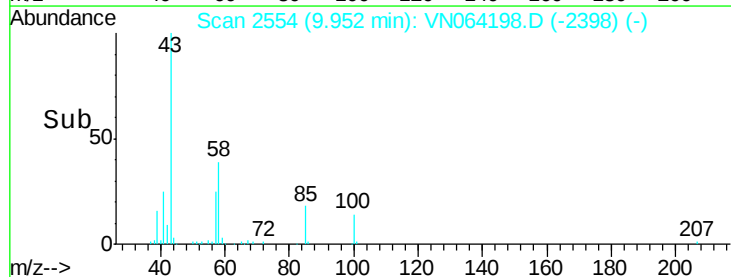
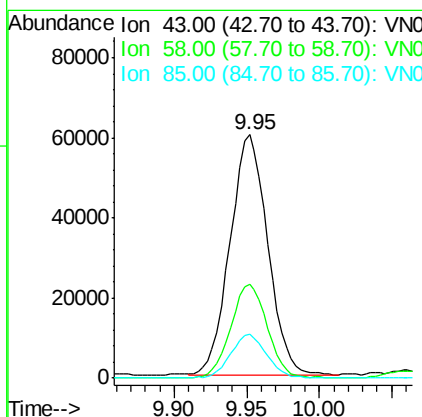
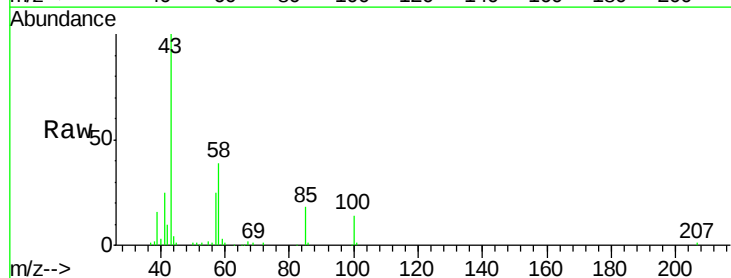
Manual Integrations
APPROVED

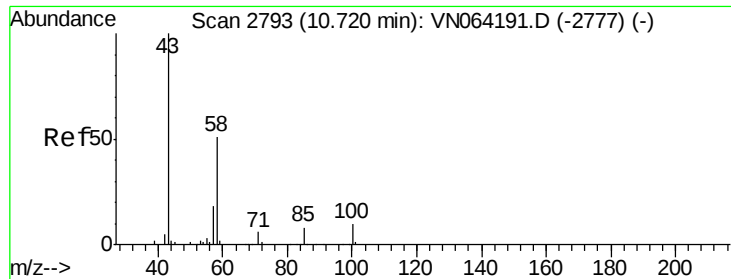
MMDadoda
10/23/2020 2:28:50 PM



#58
4-Methyl-2-Pentanone
Concen: 25.363 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN064198.D
Acq: 20 Oct 2020 16:19

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	108355		
58	37.8	29.5	44.3	
85	17.2	13.7	20.5	





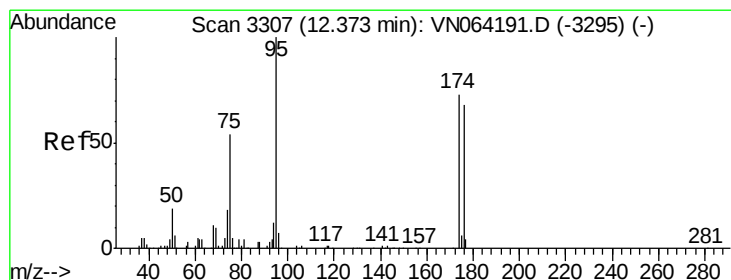
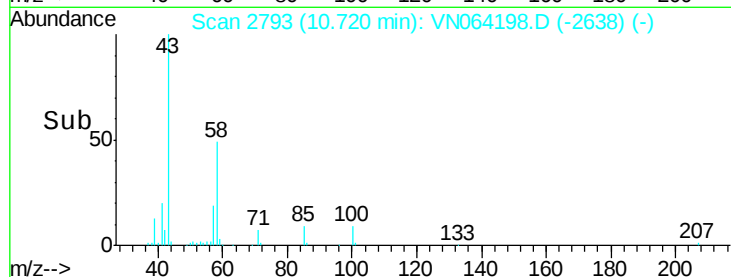
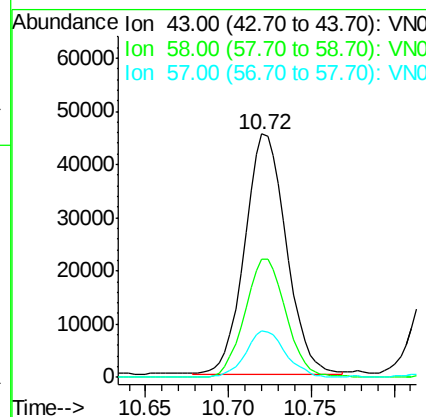
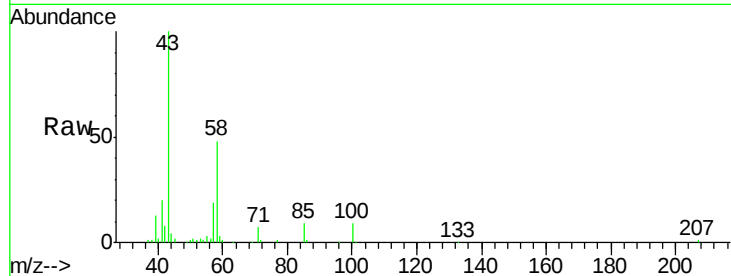
#59
2-Hexanone
Concen: 24.672 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN064198.D
Acq: 20 Oct 2020 16:19

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.9	40.2	60.4
57	18.8	14.8	22.2

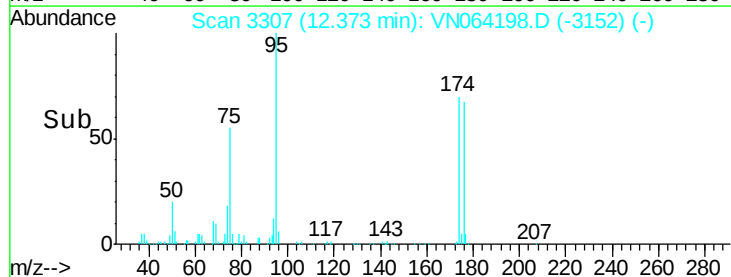
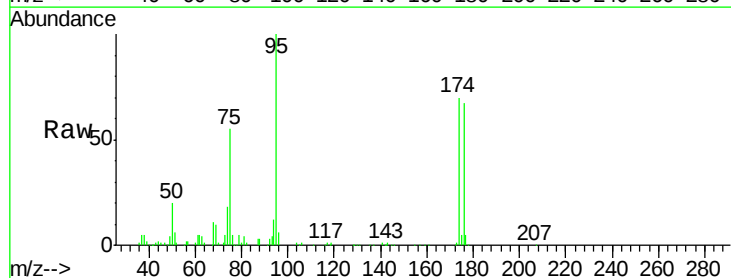
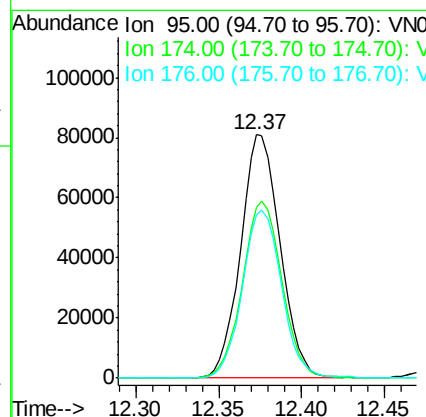
Manual Integrations
APPROVED

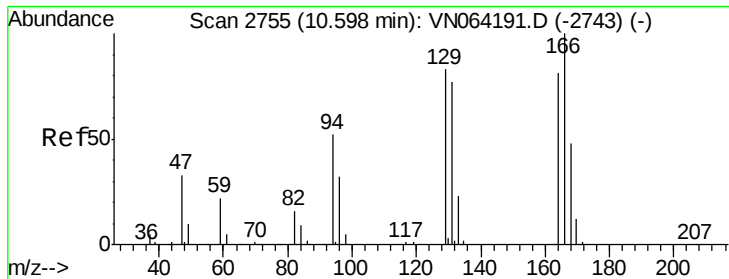
MMDadoda
10/23/2020 2:28:50 PM



#60
4-Bromofluorobenzene
Concen: 29.765 ug/l
RT: 12.37 min Scan# 3307
Delta R.T. -0.00 min
Lab File: VN064198.D
Acq: 20 Oct 2020 16:19

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.7	57.6	86.4
176	68.5	54.9	82.3





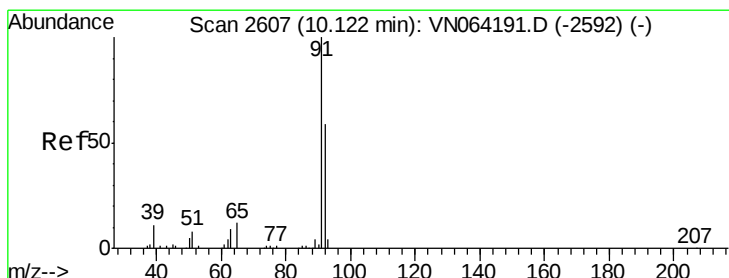
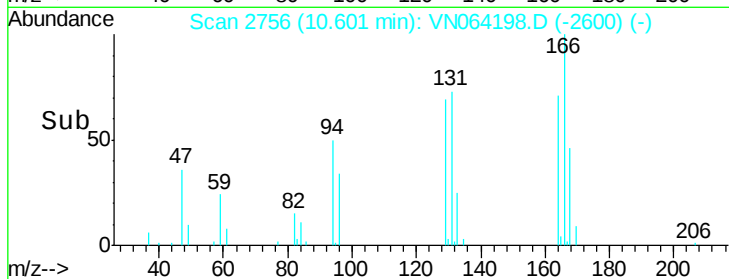
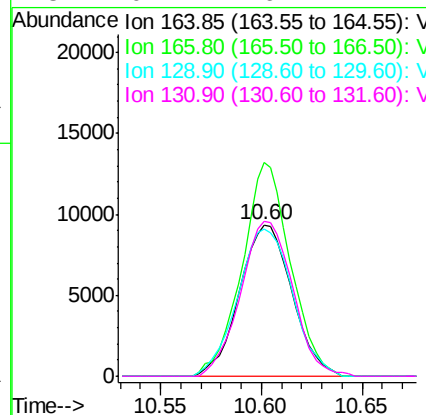
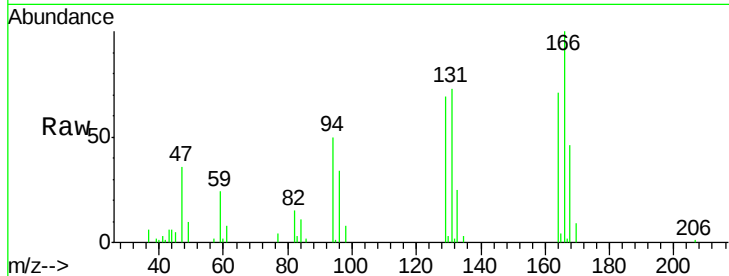
#61
Tetrachloroethene
Concen: 5.004 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064198.D
Acq: 20 Oct 2020 16:19

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

Tot Ion	Ratio	Lower	Upper
164	100		
166	140.9	99.2	148.8
129	97.5	82.8	124.2
131	102.4	76.2	114.4

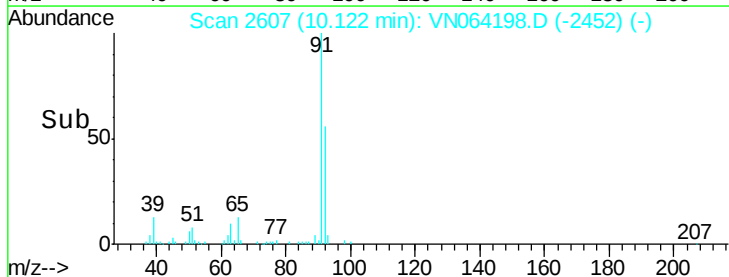
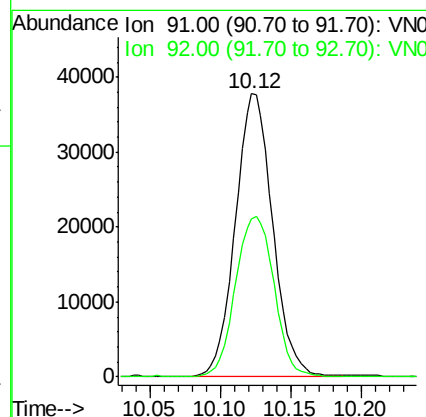
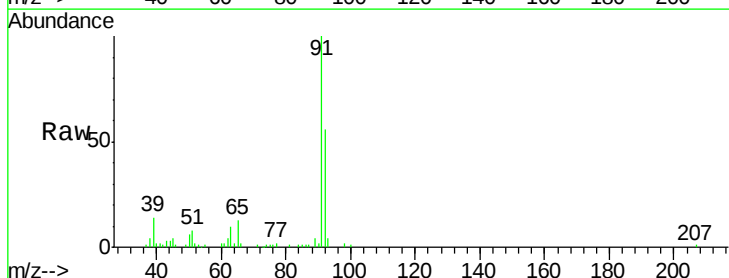
Manual Integrations
APPROVED

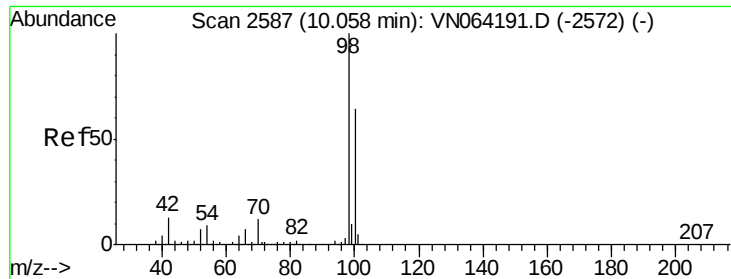
MMDadoda
10/23/2020 2:28:50 PM



#62
Toluene
Concen: 4.861 ug/l
RT: 10.12 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN064198.D
Acq: 20 Oct 2020 16:19

Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.6	46.8	70.2





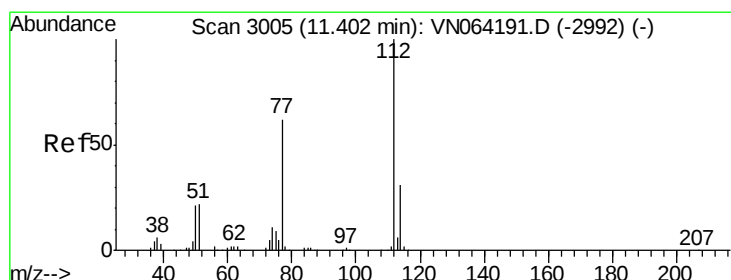
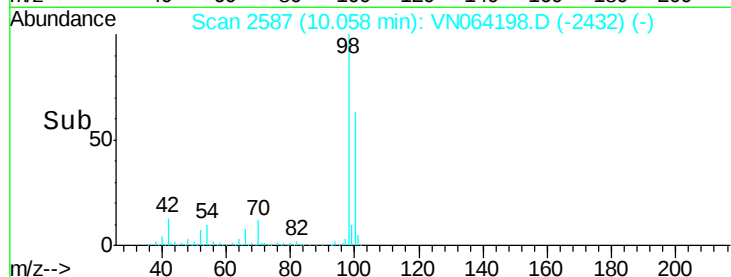
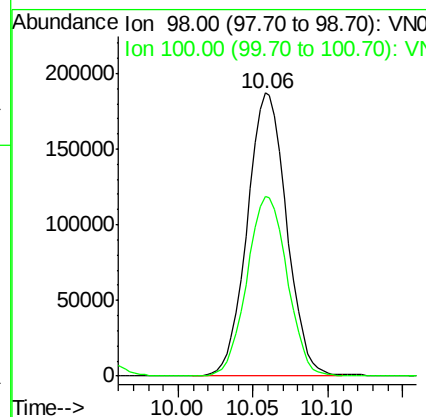
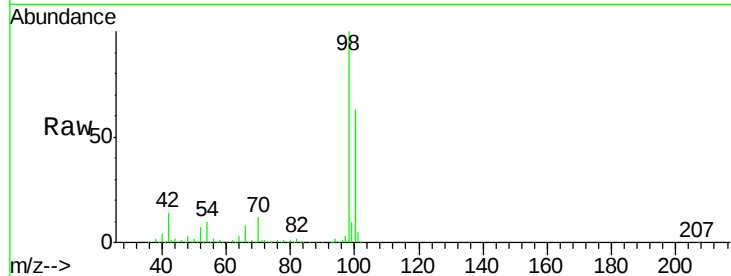
#63
Toluene-d8
Concen: 29.988 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN064198.D
Acq: 20 Oct 2020 16:19

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

Tot Ion: 98 Resp: 342282
Ion Ratio Lower Upper
98 100
100 64.9 51.4 77.2

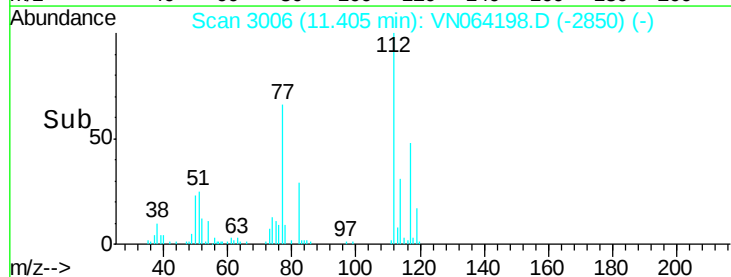
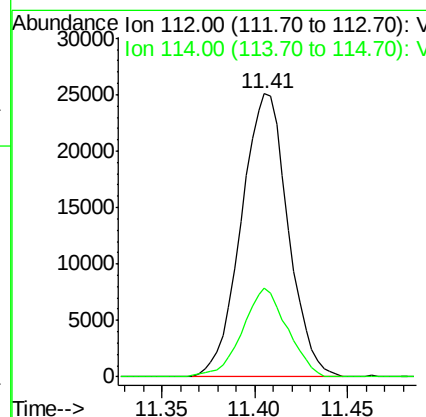
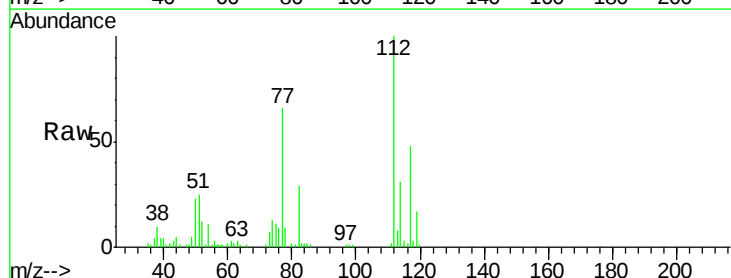
Manual Integrations
APPROVED

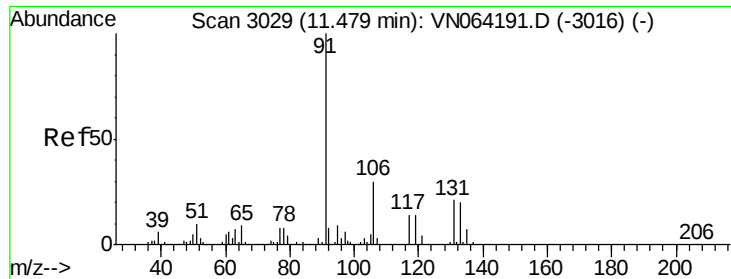
MMDadoda
10/23/2020 2:28:50 PM



#64
Chlorobenzene
Concen: 4.918 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN064198.D
Acq: 20 Oct 2020 16:19

Tgt Ion: 112 Resp: 44138
Ion Ratio Lower Upper
112 100
114 31.4 25.1 37.7





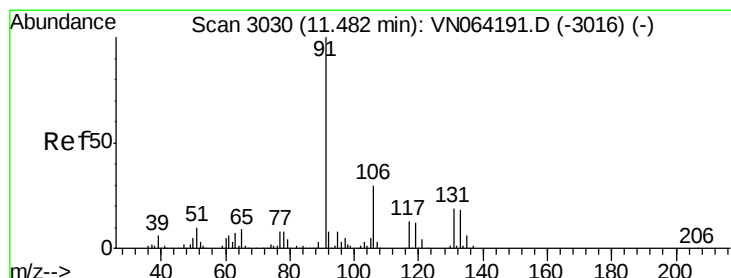
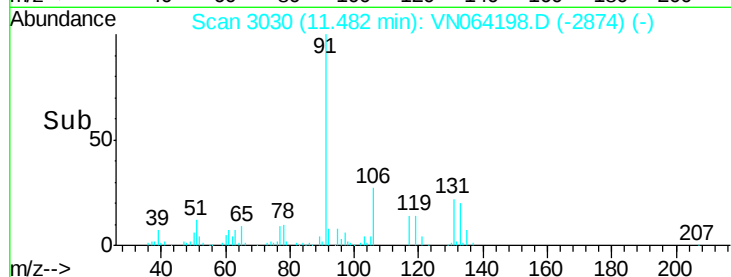
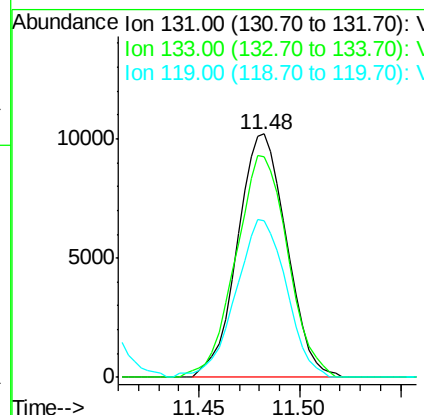
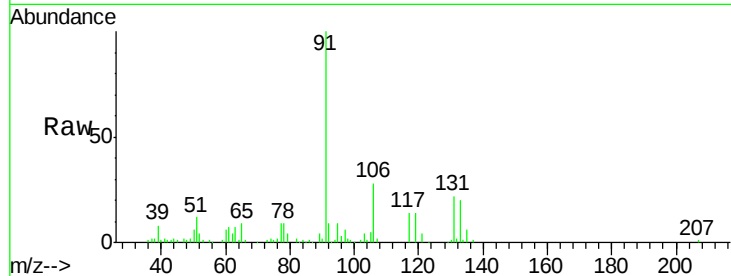
#65
 1,1,1,2-Tetrachloroethane
 Concen: 4.954 ug/l
 RT: 11.48 min Scan# 3030
 Delta R.T. 0.00 min
 Lab File: VN064198.D
 Acq: 20 Oct 2020 16:19

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

Tot Ion	Ratio	Resp	Lower	Upper
131	100	17421		
133	96.3	0.0	193.0	
119	66.3	0.0	132.2	

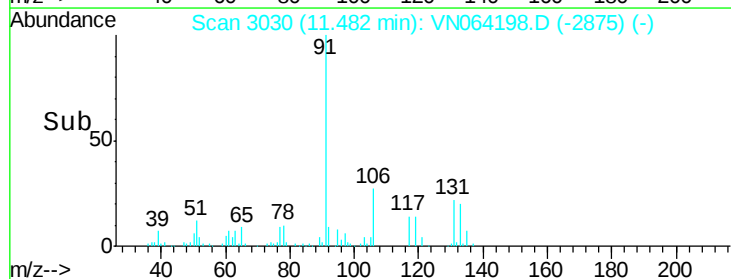
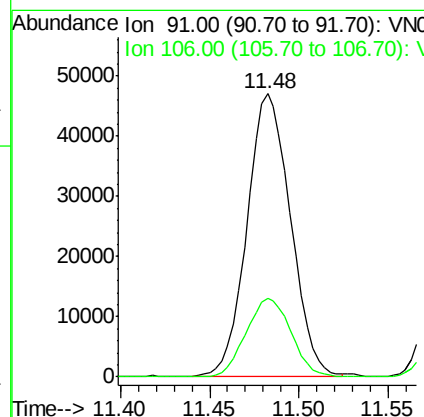
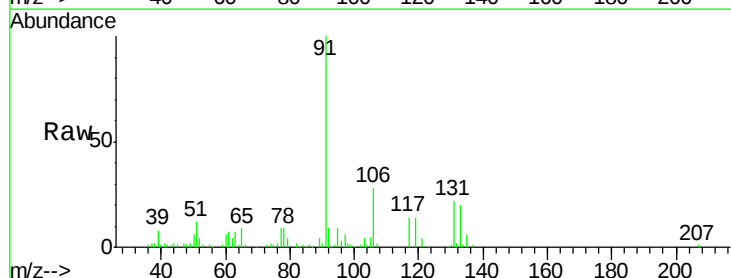
Manual Integrations
 APPROVED

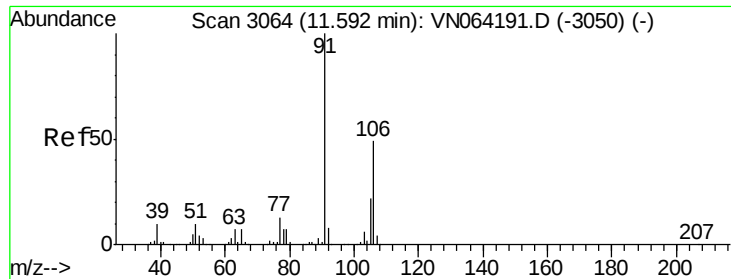
MMDadoda
 10/23/2020 2:28:50 PM



#66
 Ethyl Benzene
 Concen: 4.864 ug/l
 RT: 11.48 min Scan# 3030
 Delta R.T. -0.00 min
 Lab File: VN064198.D
 Acq: 20 Oct 2020 16:19

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	80605		
106	27.6	23.9	35.9	





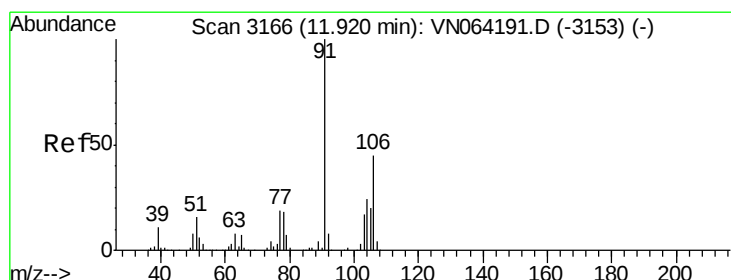
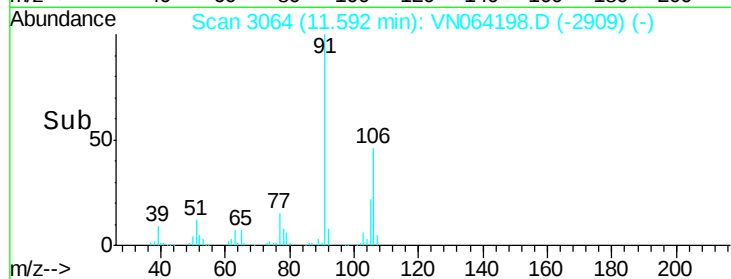
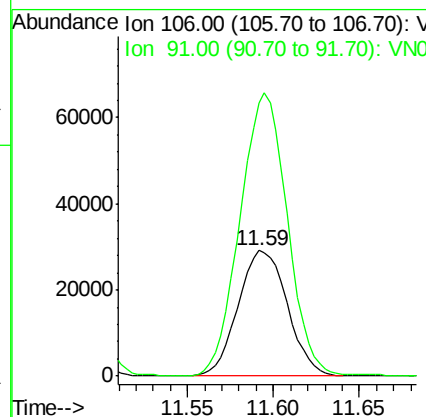
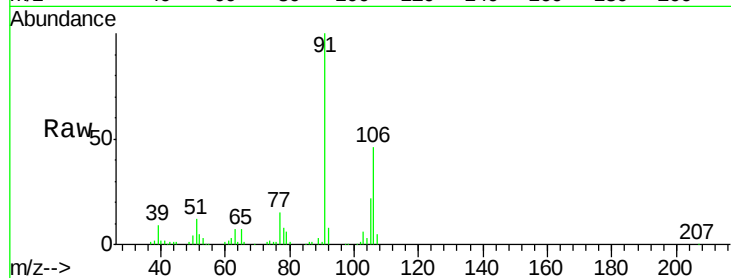
#67
m/p-Xvlenes
Concen: 9.394 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN064198.D
Acq: 20 Oct 2020 16:19

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

Tot Ion:106 Resp: 57890
Ion Ratio Lower Upper
106 100
91 217.0 167.9 251.9

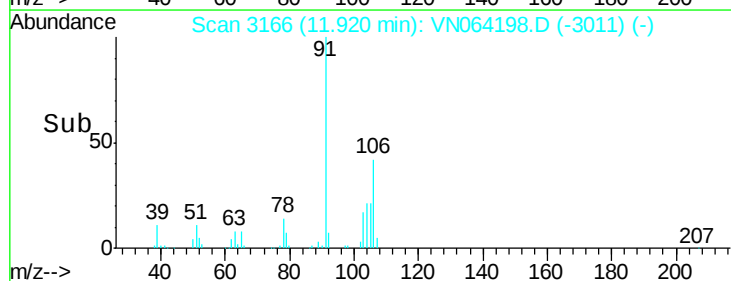
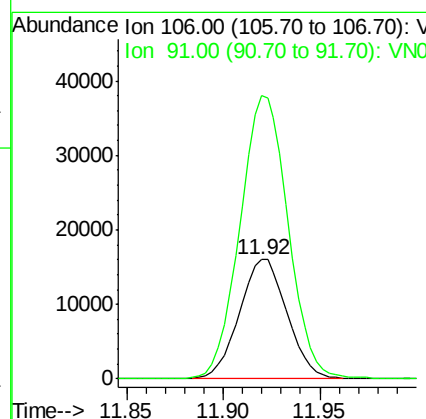
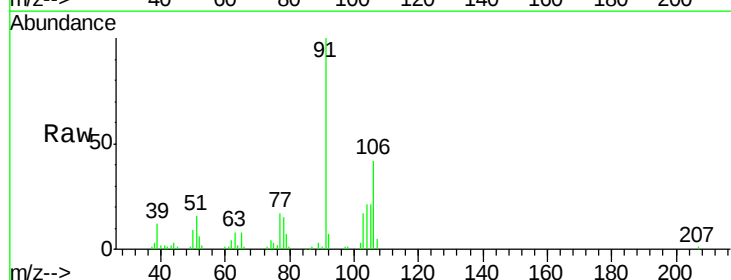
Manual Integrations
APPROVED

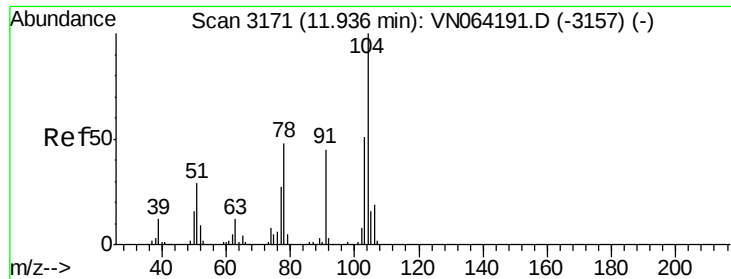
MMDadoda
10/23/2020 2:28:50 PM



#68
o-Xylene
Concen: 4.597 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN064198.D
Acq: 20 Oct 2020 16:19

Tgt Ion:106 Resp: 27491
Ion Ratio Lower Upper
106 100
91 238.3 113.9 341.7





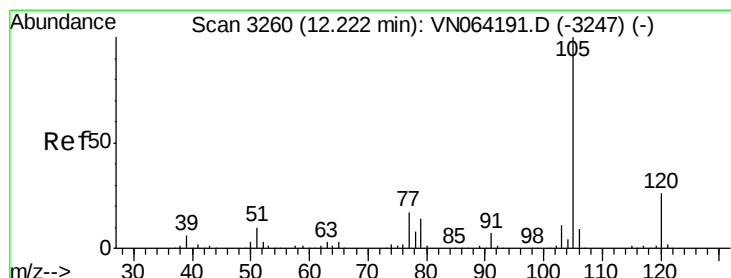
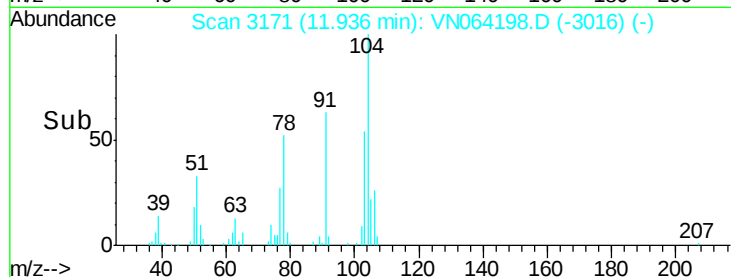
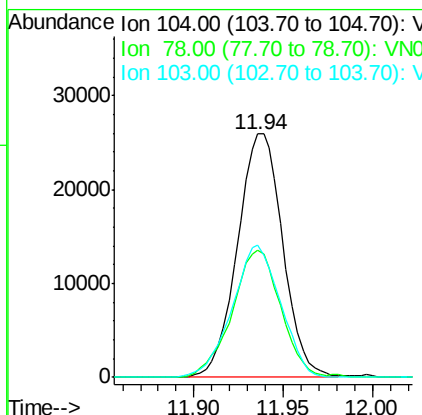
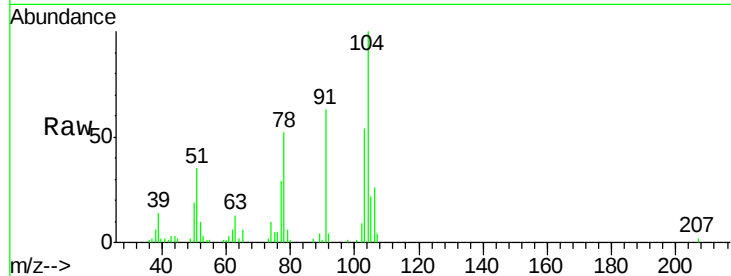
#69
Stvrene
Concen: 4.559 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064198.D
Acq: 20 Oct 2020 16:19

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

Tot Ion	Ratio	Resp	Lower	Upper
104	100	46126		
78	55.5		43.6	65.4
103	57.8		44.8	67.2

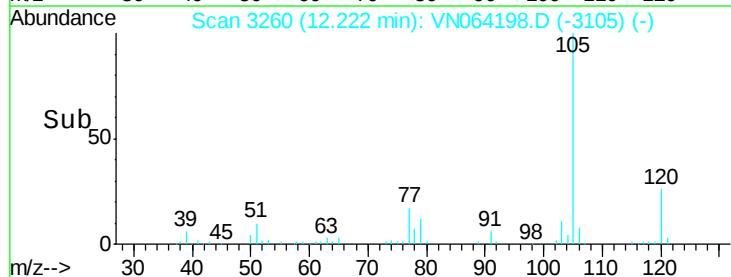
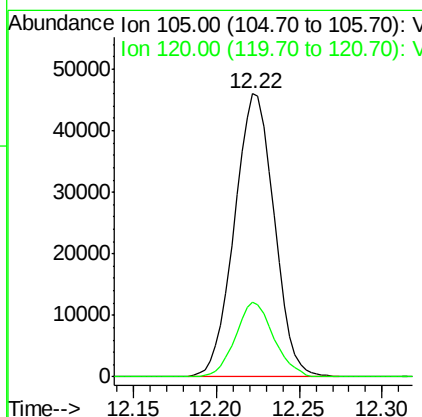
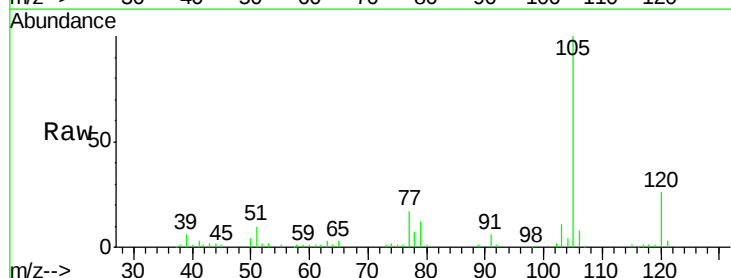
Manual Integrations
APPROVED

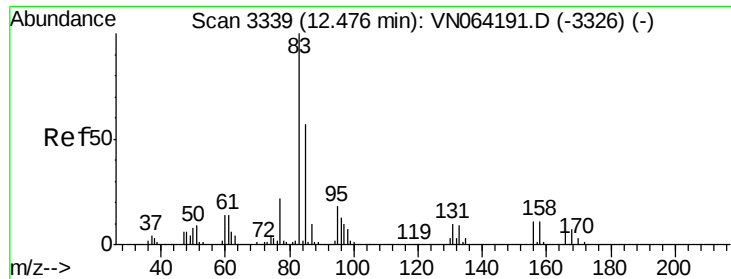
MMDadoda
10/23/2020 2:28:50 PM



#70
Isopropylbenzene
Concen: 4.870 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. -0.00 min
Lab File: VN064198.D
Acq: 20 Oct 2020 16:19

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	76920		
120	25.5		18.1	33.7





#71

1,1,2,2-Tetrachloroethane

Concen: 4.937 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN064198.D

Acq: 20 Oct 2020 16:19

Instrument :

MSVOA_N

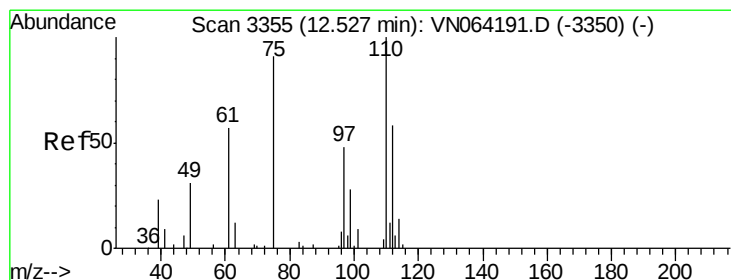
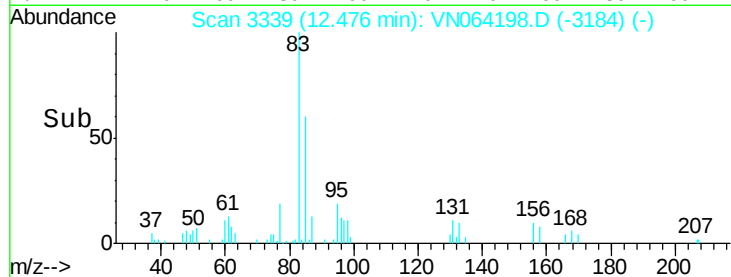
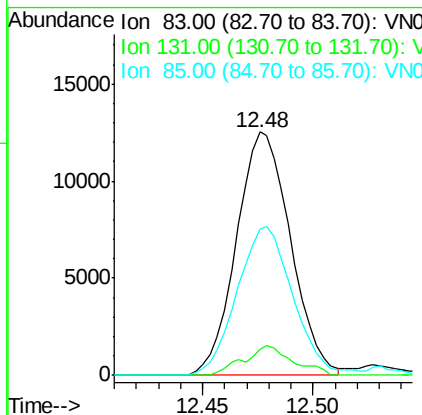
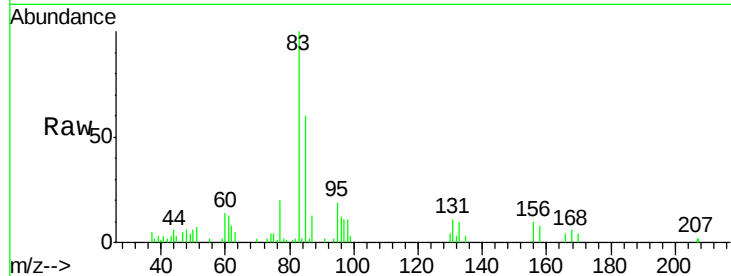
ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion	83	Resp	21369
Ion Ratio	100	Lower	Upper
83	100		
131	5.1	5.5	16.4#
85	62.3	30.8	92.4

Manual Integrations
APPROVED

MMDadoda
10/23/2020 2:28:50 PM



#72

1,2,3-Trichloropropane

Concen: 4.755 ug/l m

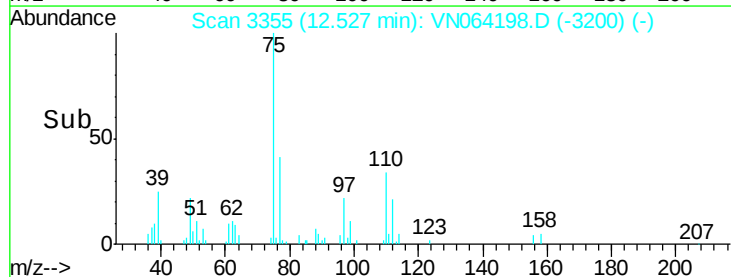
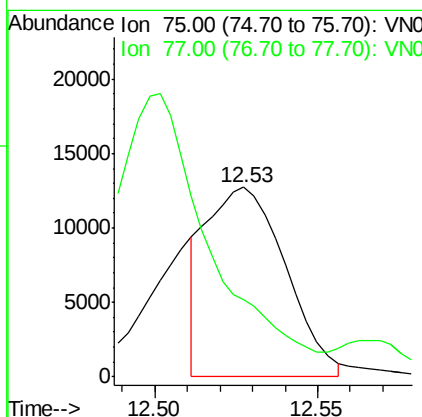
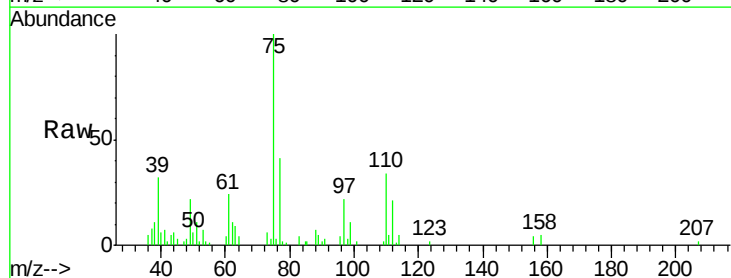
RT: 12.53 min Scan# 3355

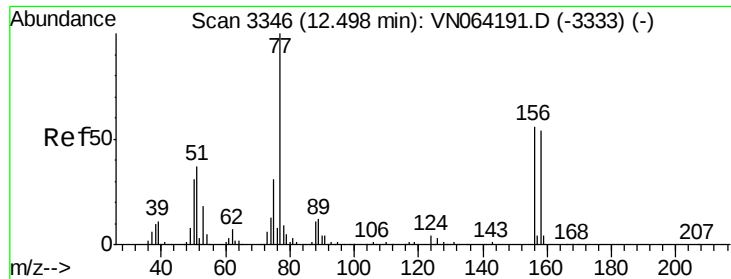
Delta R.T. -0.00 min

Lab File: VN064198.D

Acq: 20 Oct 2020 16:19

Tgt Ion	75	Resp	21475
Ion Ratio	100	Lower	Upper
75	100		
77	189.7	0.0	417.6





#73

Bromobenzene

Concen: 4.550 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN064198.D

Acq: 20 Oct 2020 16:19

Instrument :

MSVOA_N

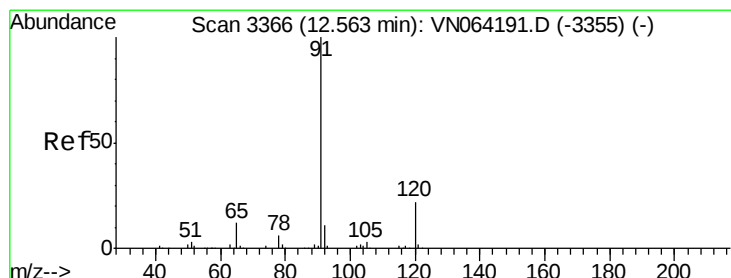
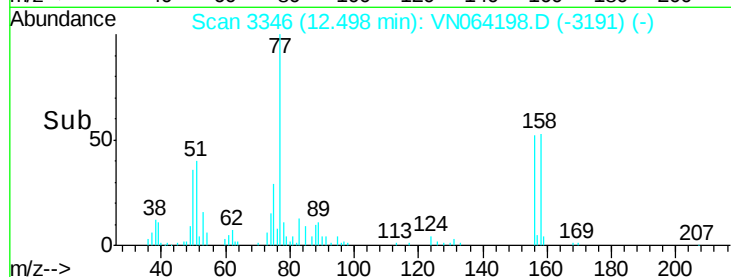
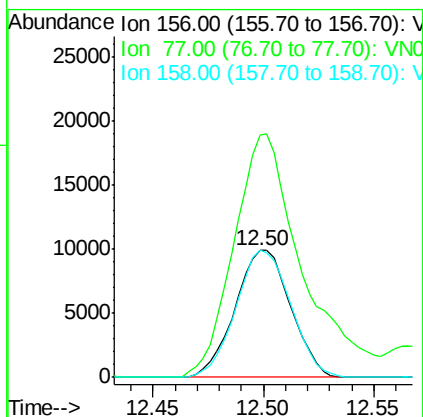
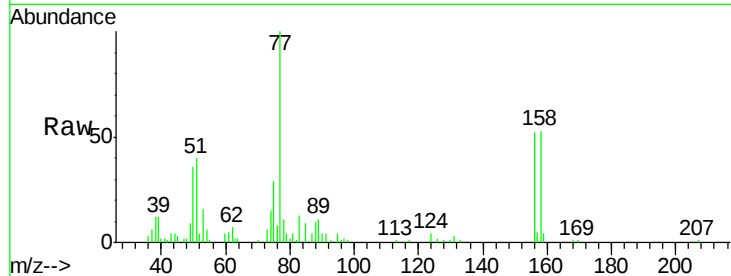
ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		17331		
77	235.1	0.0	429.8		
158	98.8	0.0	190.6		

Manual Integrations
APPROVED

MMDadoda
10/23/2020 2:28:50 PM



#74

n-propylbenzene

Concen: 4.655 ug/l

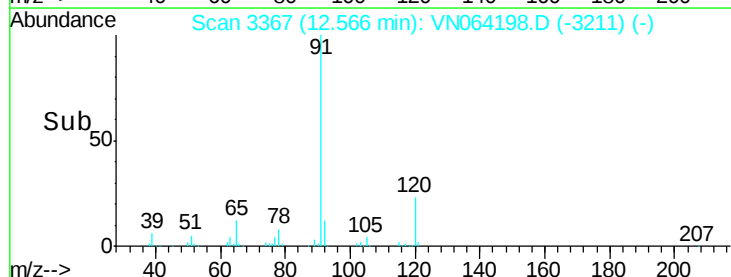
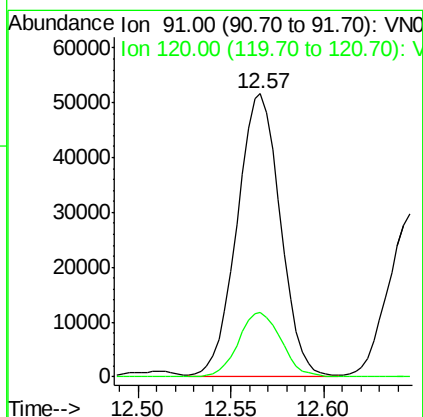
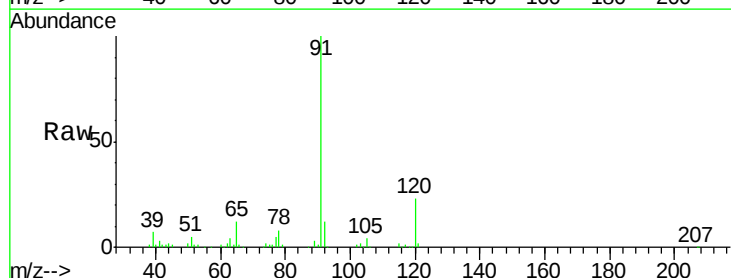
RT: 12.57 min Scan# 3367

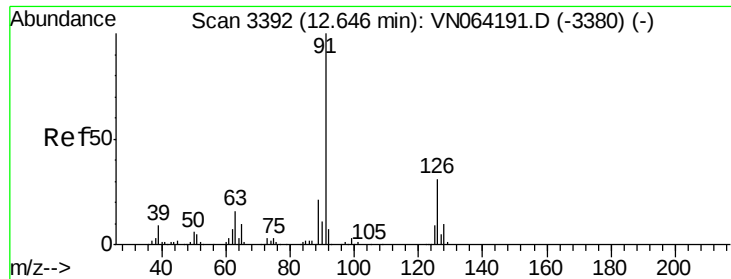
Delta R.T. 0.00 min

Lab File: VN064198.D

Acq: 20 Oct 2020 16:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		83917		
120	22.4	0.0	43.8		





#75

2-Chlorotoluene

Concen: 4.896 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN064198.D

Acq: 20 Oct 2020 16:19

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion: 91 Resp: 54634

Ion Ratio Lower Upper

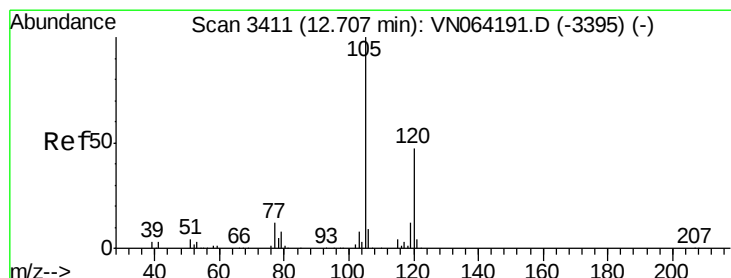
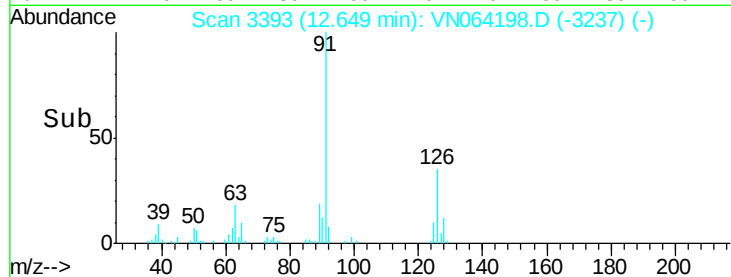
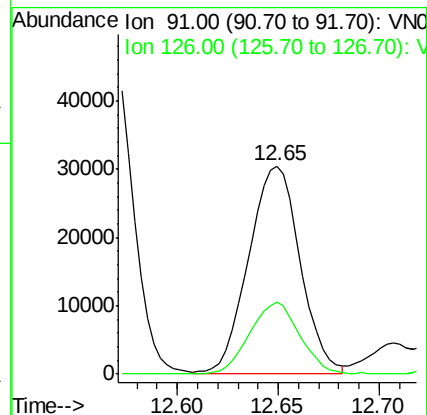
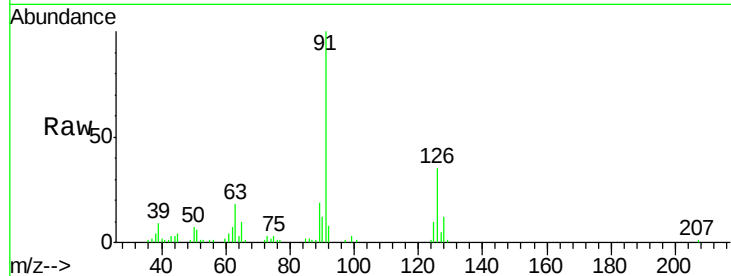
91 100

126 33.3 0.0 62.4

Manual Integrations
APPROVED

MMDadoda

10/23/2020 2:28:50 PM



#76

1,3,5-Trimethylbenzene

Concen: 4.730 ug/l

RT: 12.70 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN064198.D

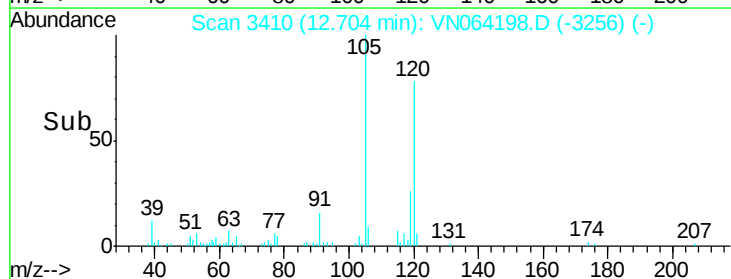
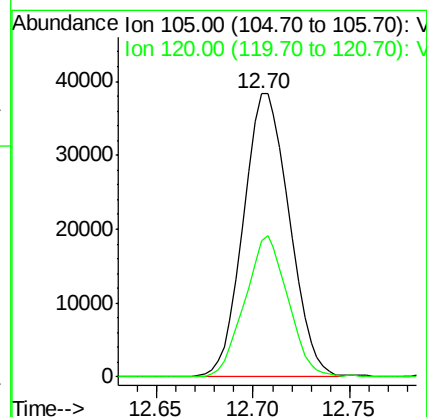
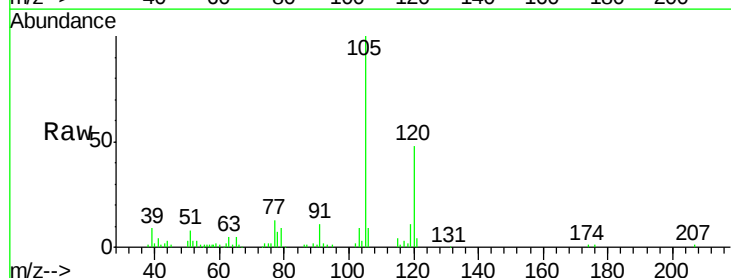
Acq: 20 Oct 2020 16:19

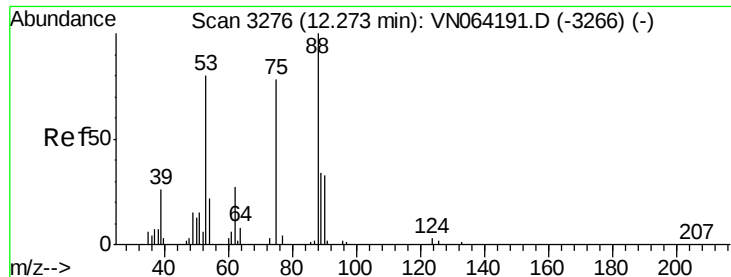
Tgt Ion: 105 Resp: 63565

Ion Ratio Lower Upper

105 100

120 46.5 0.0 95.0





#77

t-1,4-Dichloro-2-butene

Concen: 4.840 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. -0.00 min

Lab File: VN064198.D

Acq: 20 Oct 2020 16:19

Instrument :

MSVOA_N

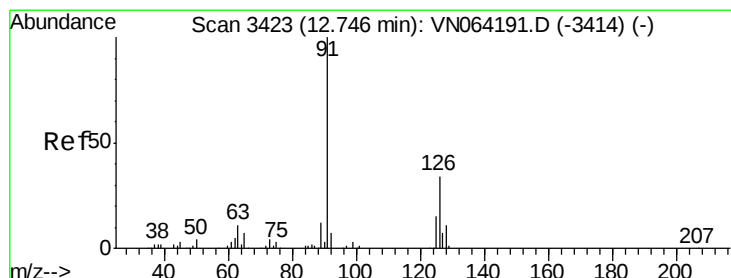
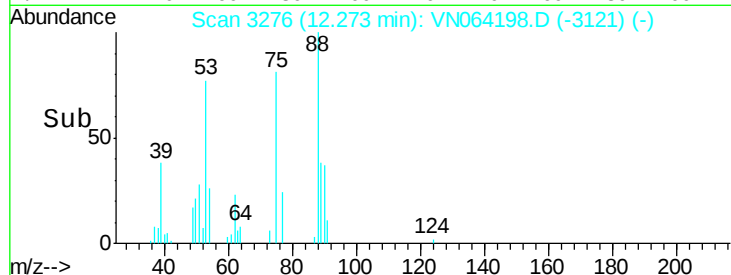
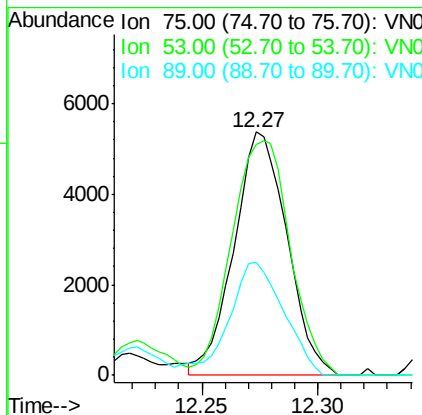
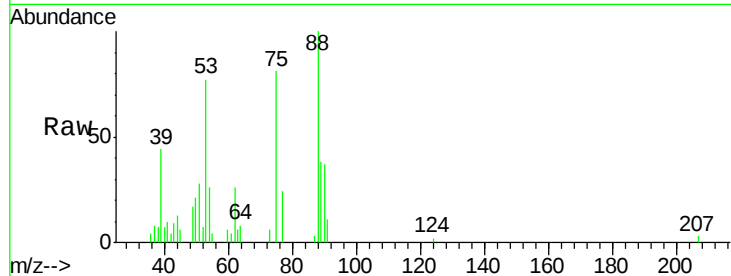
ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion:	75	Resp:	8546
Ion	Ratio	Lower	Upper
75	100		
53	95.0	51.4	154.2
89	46.7	23.8	71.5

Manual Integrations
APPROVED

MMDadoda
10/23/2020 2:28:50 PM



#78

4-Chlorotoluene

Concen: 4.761 ug/l

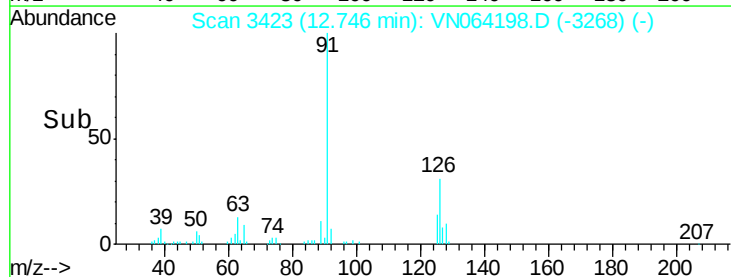
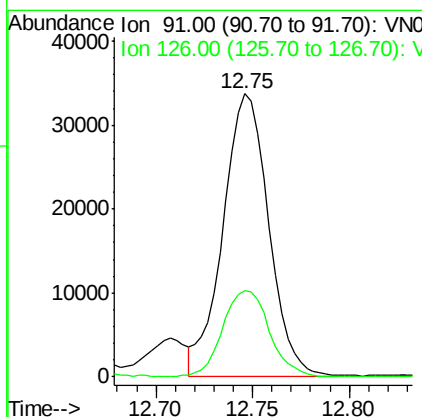
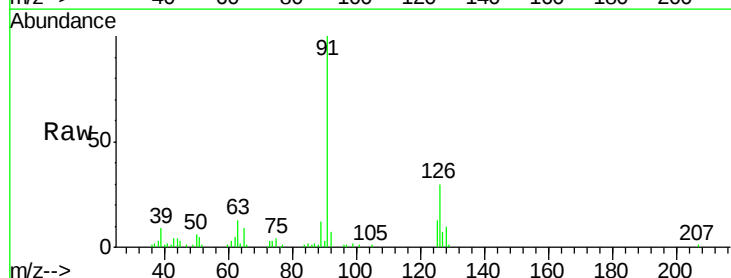
RT: 12.75 min Scan# 3423

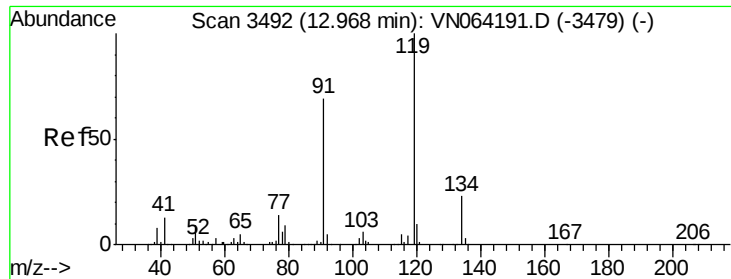
Delta R.T. -0.00 min

Lab File: VN064198.D

Acq: 20 Oct 2020 16:19

Tgt Ion:	91	Resp:	55574
Ion	Ratio	Lower	Upper
91	100		
126	31.1	0.0	63.2





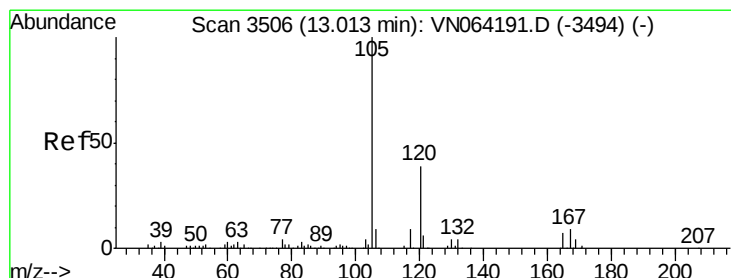
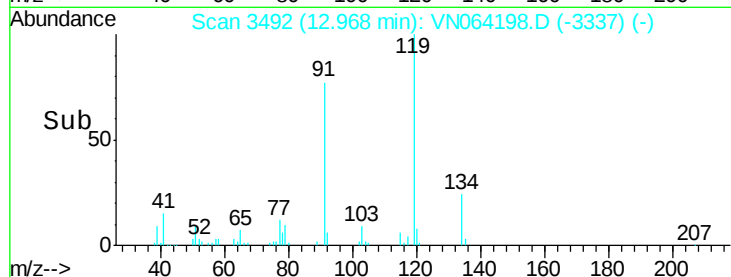
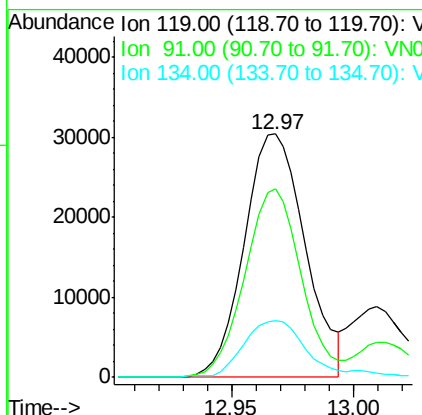
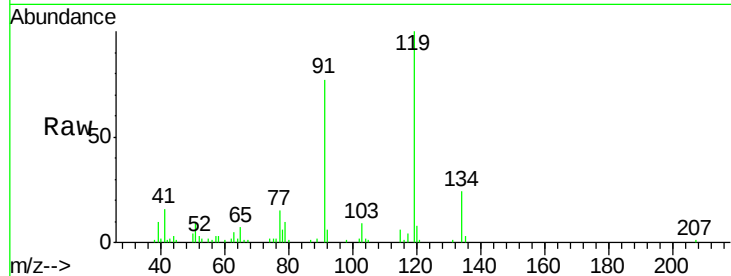
#79
tert-butylbenzene
Concen: 4.804 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. -0.00 min
Lab File: VN064198.D
Acq: 20 Oct 2020 16:19

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

Tot Ion	Ratio	Lower	Upper
119	100		
91	71.3	0.0	143.2
134	22.3	0.0	49.2

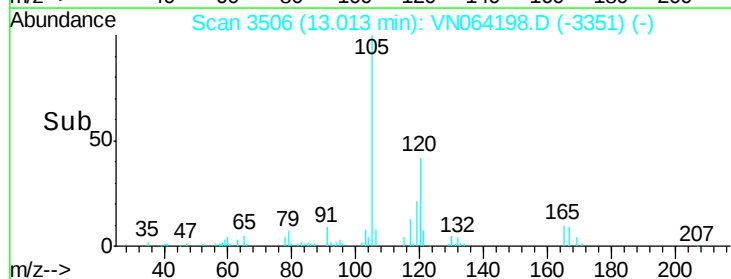
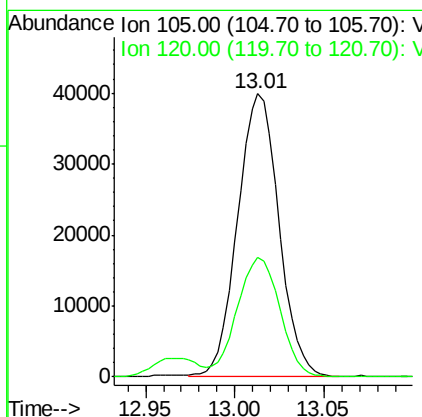
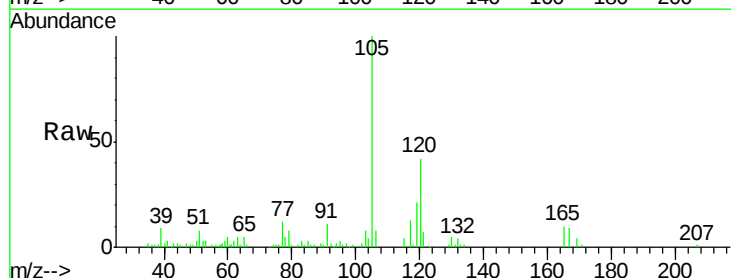
Manual Integrations
APPROVED

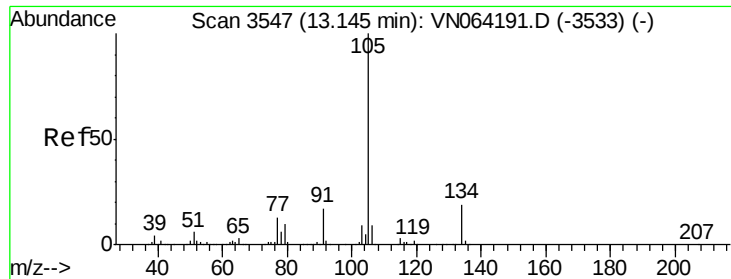
MMDadoda
10/23/2020 2:28:50 PM



#80
1,2,4-Trimethylbenzene
Concen: 4.720 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN064198.D
Acq: 20 Oct 2020 16:19

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.6	0.0	85.8





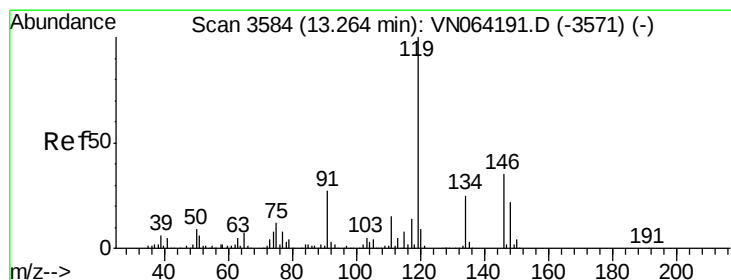
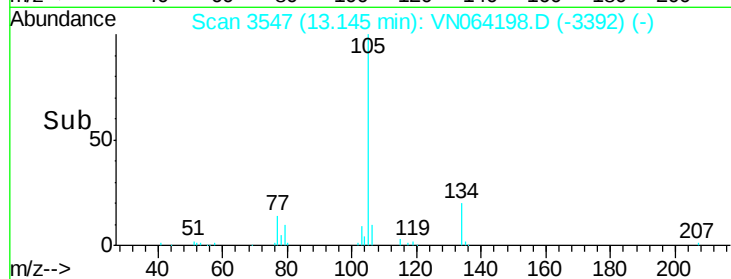
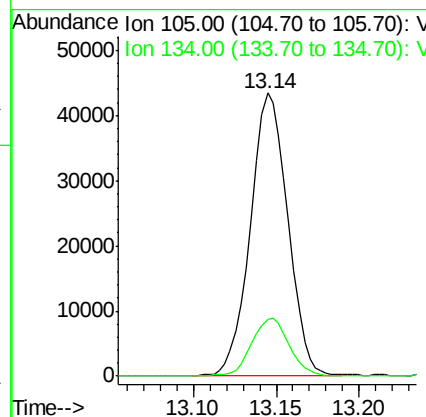
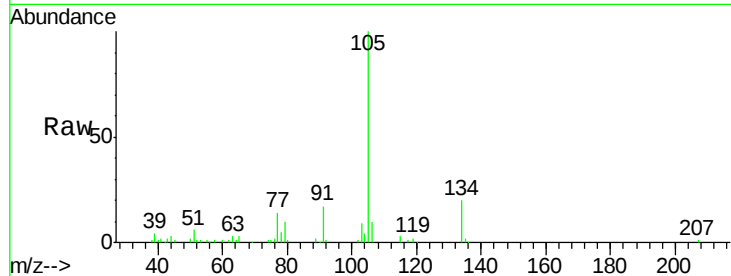
#81
 sec-Butylbenzene
 Concen: 4.771 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN064198.D
 Acq: 20 Oct 2020 16:19

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.4	0.0	38.4

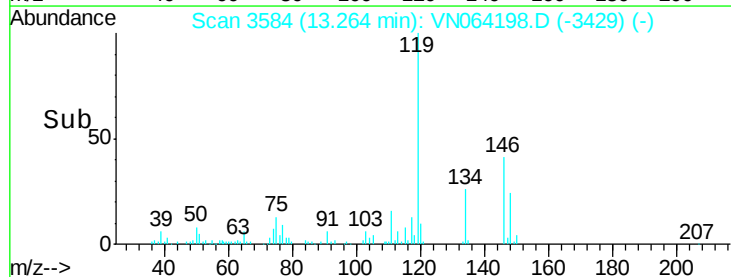
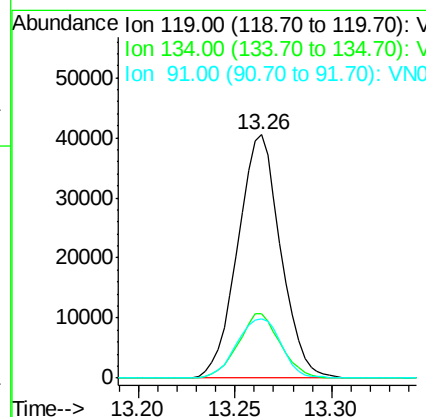
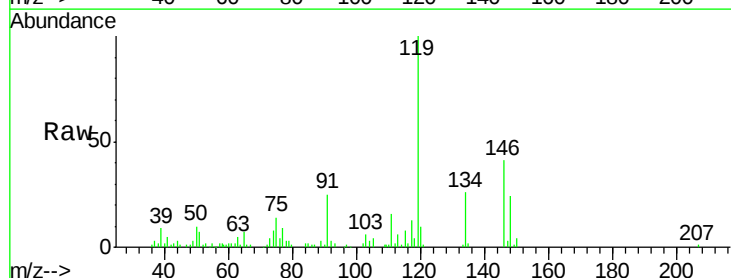
Manual Integrations
 APPROVED

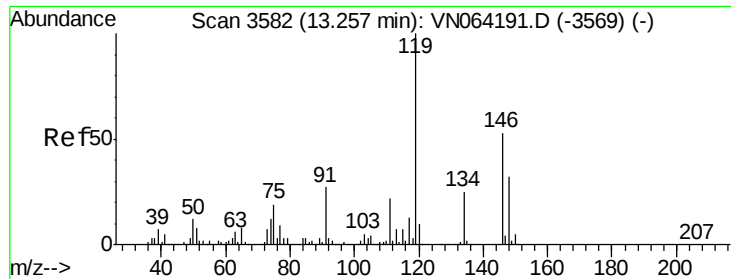
MMDadoda
 10/23/2020 2:28:50 PM



#82
 p-Isopropyltoluene
 Concen: 4.716 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. -0.00 min
 Lab File: VN064198.D
 Acq: 20 Oct 2020 16:19

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.9	0.0	51.4
91	25.5	0.0	52.8





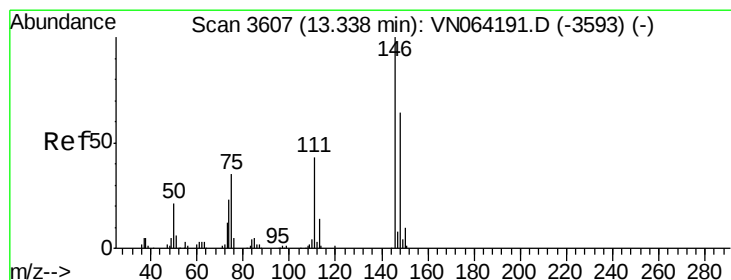
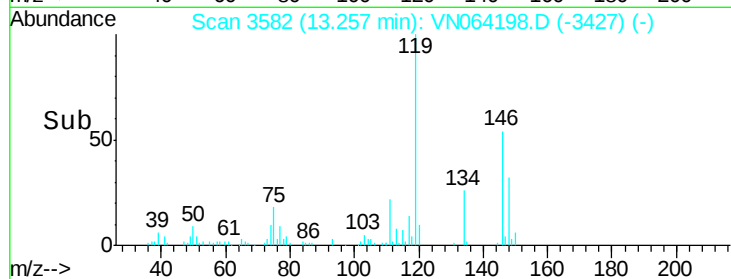
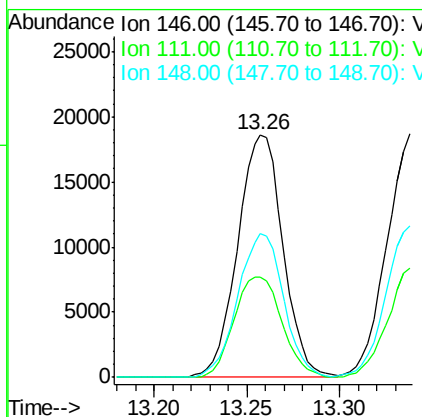
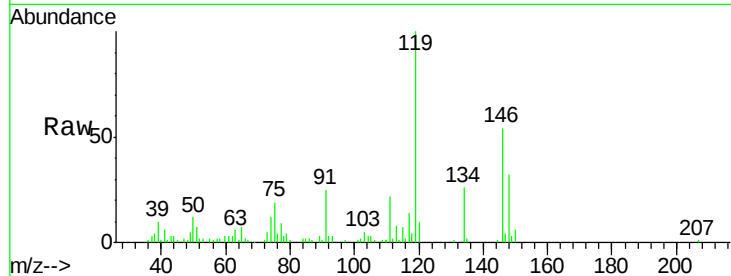
#83
 1,3-Dichlorobenzene
 Concen: 4.627 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN064198.D
 Acq: 20 Oct 2020 16:19

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.8	65.4
148	60.1	31.4	94.2

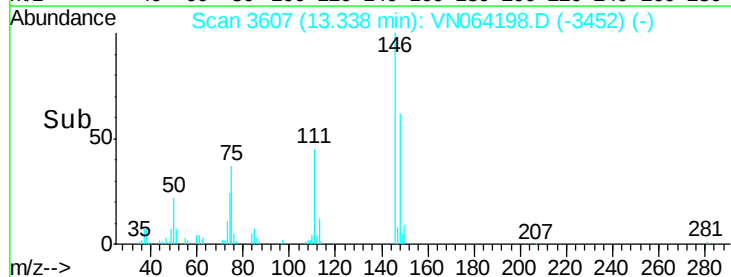
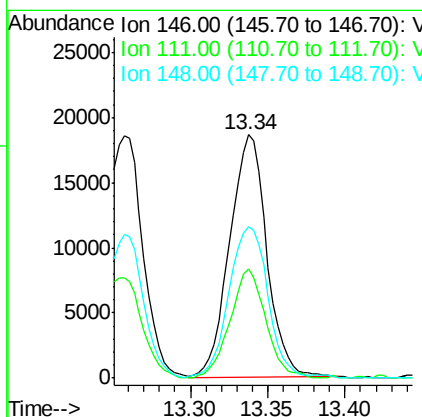
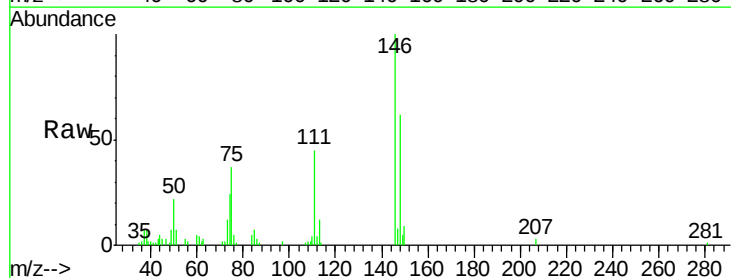
Manual Integrations
 APPROVED

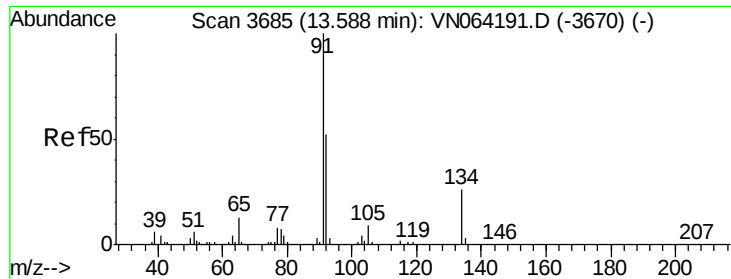
MMDadoda
 10/23/2020 2:28:50 PM



#84
 1,4-Dichlorobenzene
 Concen: 4.502 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN064198.D
 Acq: 20 Oct 2020 16:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.6	20.9	62.8
148	66.2	30.9	92.7





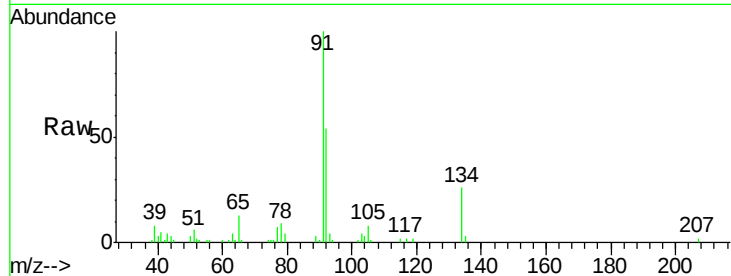
#85
n-Butylbenzene
Concen: 4.321 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN064198.D
Acq: 20 Oct 2020 16:19

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	0.0	104.8
134	25.3	0.0	49.8

Manual Integrations
APPROVED

MMDadoda
10/23/2020 2:28:50 PM

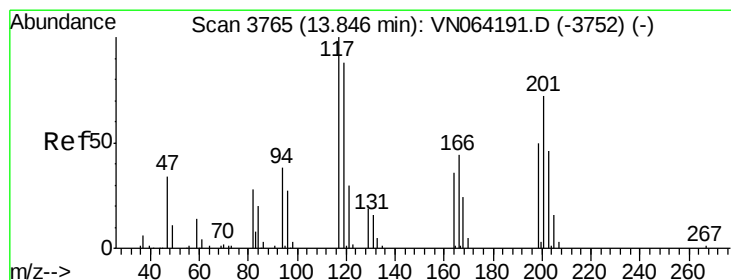
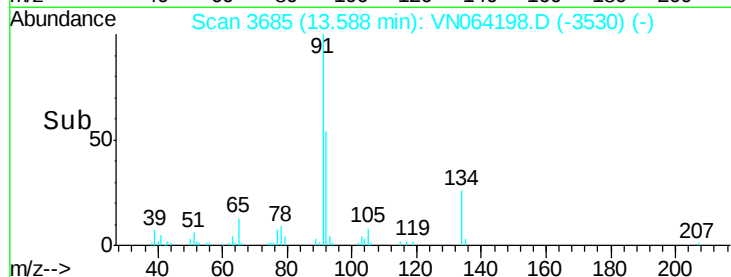
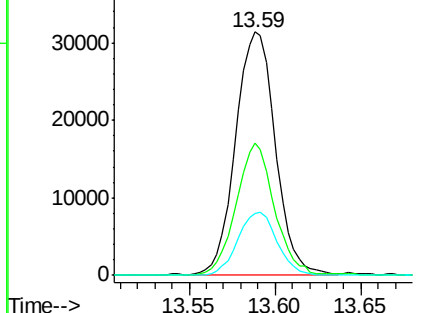


Abundance

Ion 91.00 (90.70 to 91.70): VN064198.D (-3670) (-)

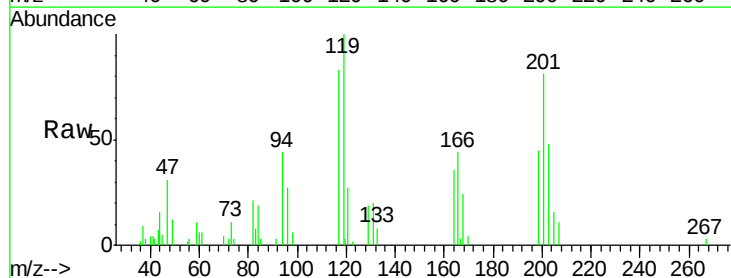
Ion 92.00 (91.70 to 92.70): VN064198.D (-3670) (-)

Ion 134.00 (133.70 to 134.70): VN064198.D (-3670) (-)



#86
Hexachloroethane
Concen: 4.576 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN064198.D
Acq: 20 Oct 2020 16:19

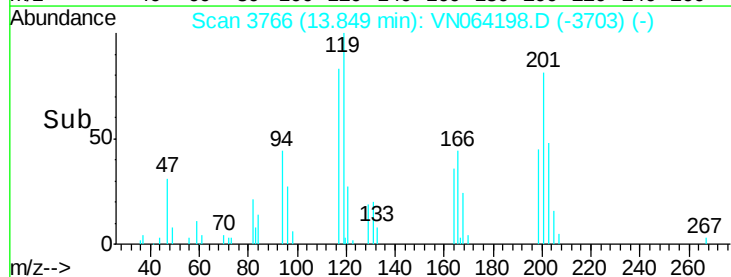
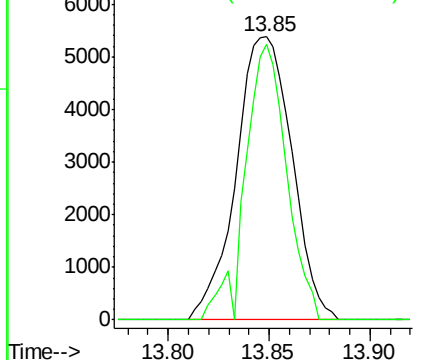
Tgt Ion	Ratio	Lower	Upper
117	100		
201	67.3	37.5	112.3

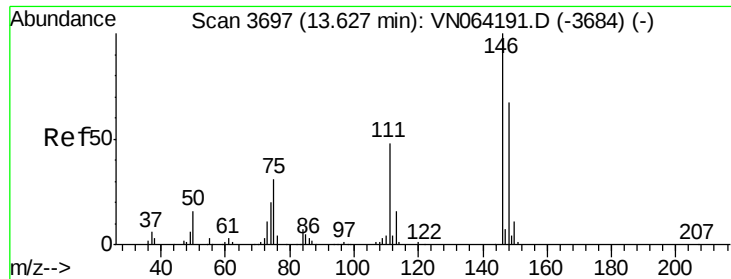


Abundance

Ion 117.00 (116.70 to 117.70): VN064198.D (-3752) (-)

Ion 201.00 (200.70 to 201.70): VN064198.D (-3752) (-)





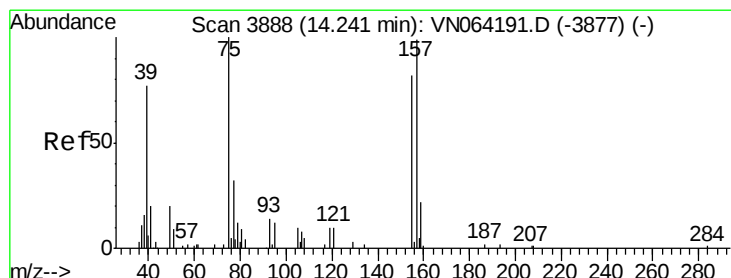
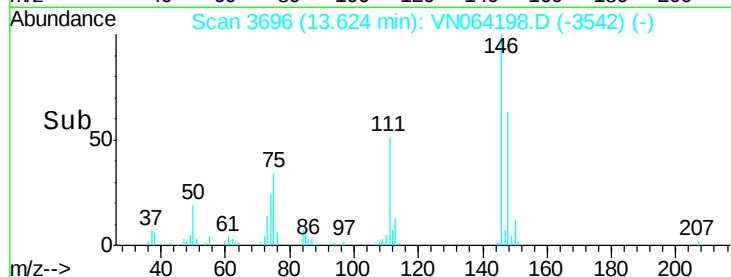
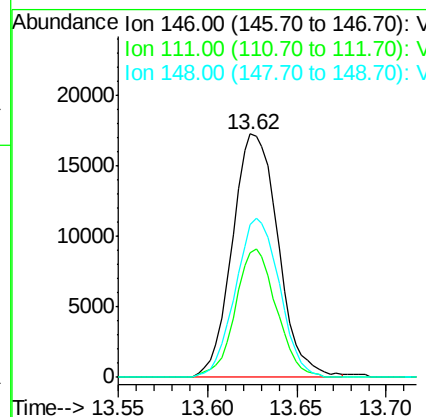
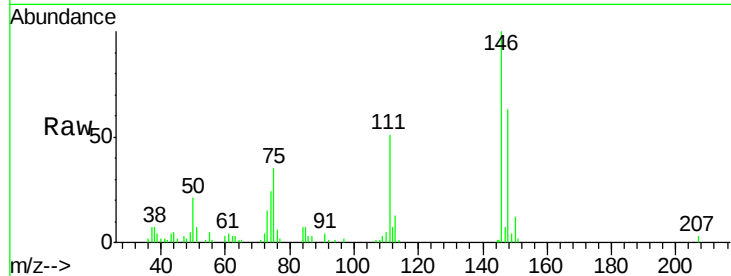
#87
 1,2-Dichlorobenzene
 Concen: 4.631 ug/l
 RT: 13.62 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN064198.D
 Acq: 20 Oct 2020 16:19

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.3	22.6	67.8
148	62.9	32.6	97.8

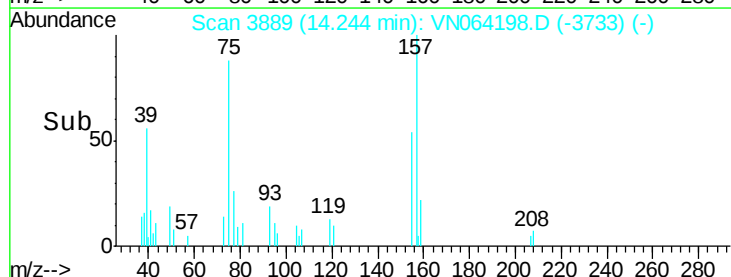
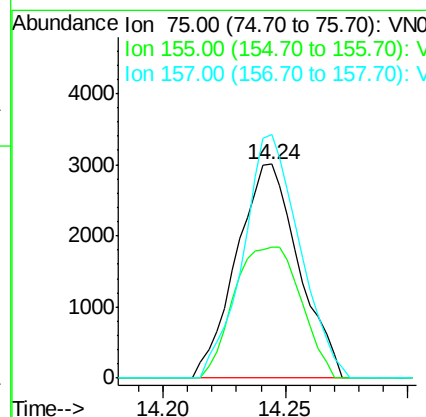
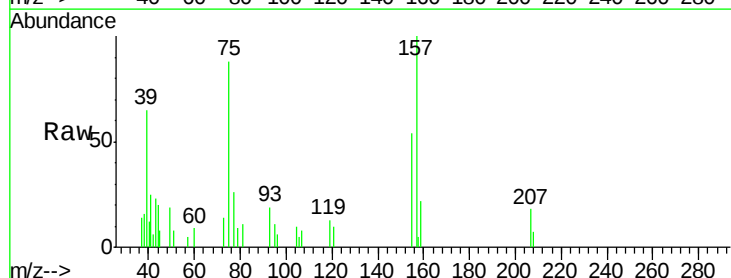
Manual Integrations
 APPROVED

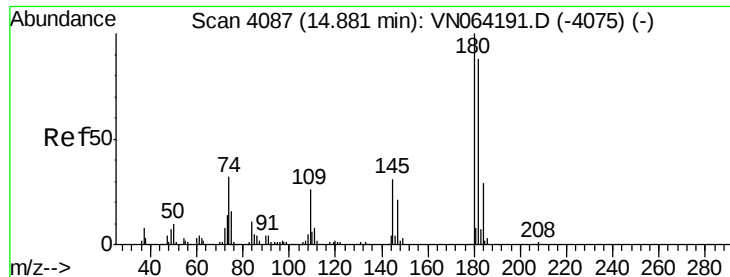
MMDadoda
 10/23/2020 2:28:50 PM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 4.852 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN064198.D
 Acq: 20 Oct 2020 16:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	65.8	61.1	91.7
157	103.1	76.5	114.7





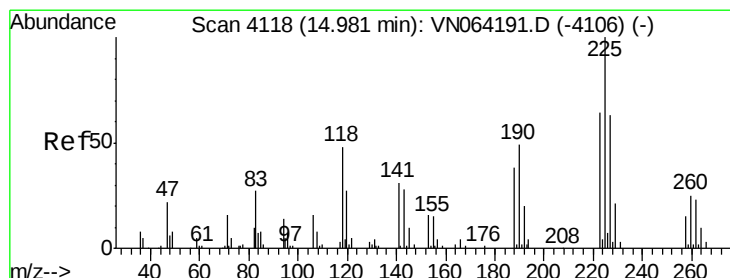
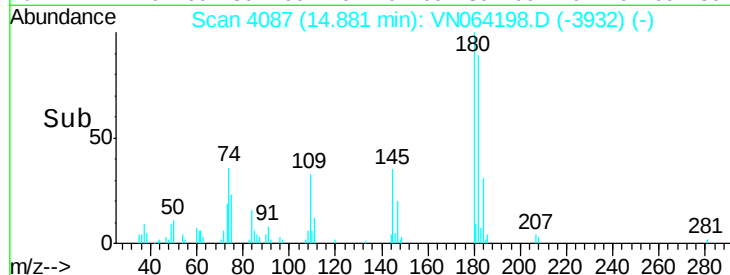
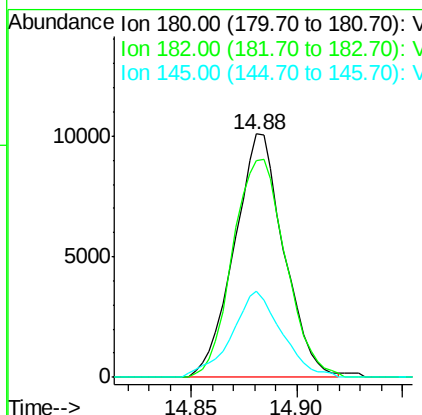
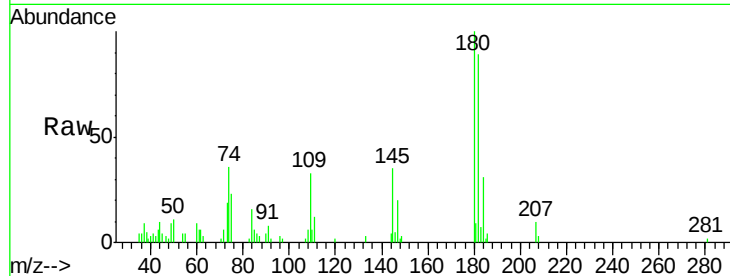
#89
 1,2,4-Trichlorobenzene
 Concen: 4.121 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN064198.D
 Acq: 20 Oct 2020 16:19

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	73.0	109.4
145	35.3	24.3	36.5

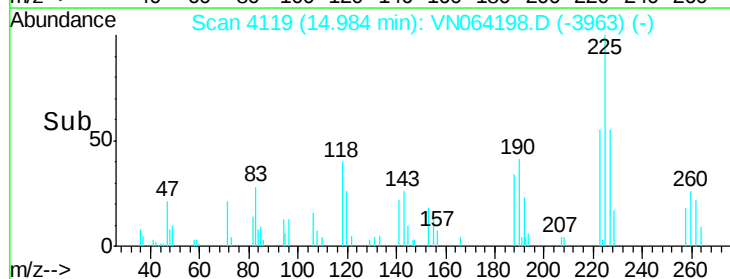
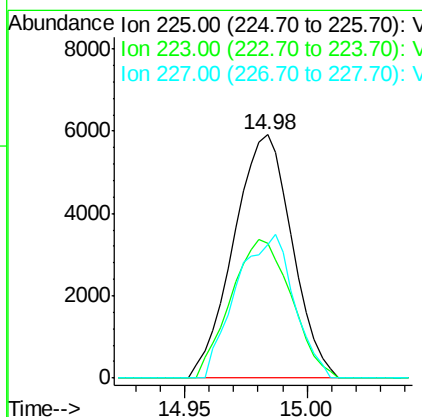
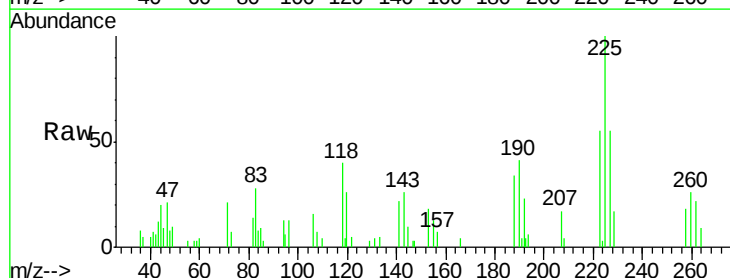
Manual Integrations
 APPROVED

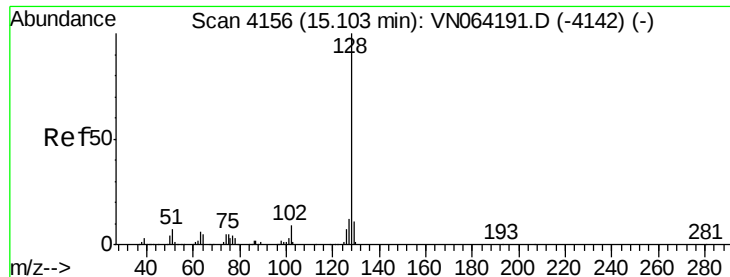
MMDadoda
 10/23/2020 2:28:50 PM



#90
 Hexachlorobutadiene
 Concen: 4.837 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN064198.D
 Acq: 20 Oct 2020 16:19

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.2	0.0	127.0
227	58.5	0.0	129.4





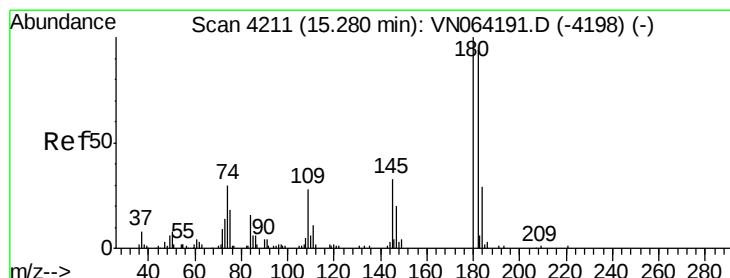
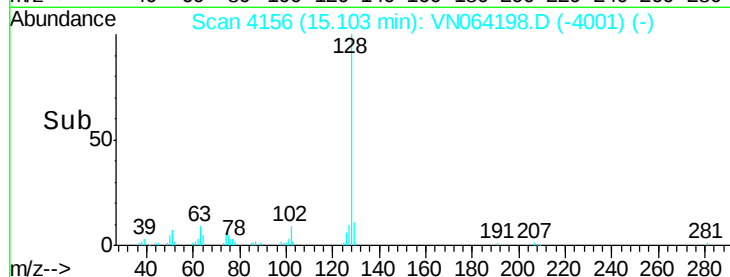
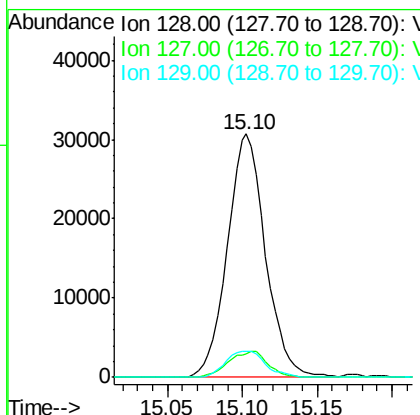
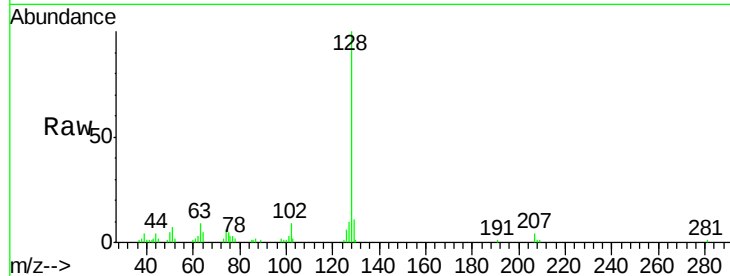
#91
Naphthalene
Concen: 4.474 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. -0.00 min
Lab File: VN064198.D
Acq: 20 Oct 2020 16:19

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2020

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.0	10.1	15.1
129	11.2	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/23/2020 2:28:50 PM



#92
1,2,3-Trichlorobenzene
Concen: 4.272 ug/l
RT: 15.28 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN064198.D
Acq: 20 Oct 2020 16:19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	0.0	190.0
145	35.8	0.0	66.6

