

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120720\
 Data File : VN064937.D
 Acq On : 7 Dec 2020 11:54
 Operator : JC/MD
 Sample : VN1207WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBS01

Manual Integrations
 APPROVED

MMDadoda
 12/8/2020 5:04:02 PM

Quant Time: Dec 08 07:26:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:54:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	201623	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	313151	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	283856	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	136150	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	114814	48.98	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	97.96%
35) Dibromofluoromethane	7.55	113	100603	53.69	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	107.38%
50) Toluene-d8	10.06	98	380556	49.71	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	99.42%
62) 4-Bromofluorobenzene	12.37	95	133349	48.67	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	97.34%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	26998	15.450	ug/l 96
3) Chloromethane	2.04	50	35152	15.480	ug/l 98
4) Vinyl Chloride	2.17	62	38570	16.292	ug/l 100
5) Bromomethane	2.53	94	25150	16.192	ug/l 100
6) Chloroethane	2.67	64	23111	15.783	ug/l 98
7) Trichlorofluoromethane	2.99	101	57081	17.442	ug/l 99
8) Diethyl Ether	3.37	74	22666	17.547	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.71	101	35328	17.996	ug/l 99
10) Methyl Iodide	3.91	142	38664	15.184	ug/l 98
11) Tert butyl alcohol	4.75	59	29916	81.838	ug/l # 90
12) 1,1-Dichloroethene	3.69	96	33895	17.336	ug/l 98
13) Acrolein	3.56	56	19223	86.091	ug/l 99
14) Allyl chloride	4.28	41	54851	17.010	ug/l 99
15) Acrylonitrile	4.93	53	86737	85.891	ug/l 98
16) Acetone	3.78	43	74754	97.015	ug/l 96
17) Carbon Disulfide	4.01	76	80726	15.995	ug/l 97
18) Methyl Acetate	4.28	43	41381	17.862	ug/l 98
19) Methyl tert-butyl Ether	4.99	73	114736	18.298	ug/l 98
20) Methylene Chloride	4.50	84	41407	17.149	ug/l 95
21) trans-1,2-Dichloroethene	4.99	96	37192	17.130	ug/l 94
22) Diisopropyl ether	5.90	45	118868	18.416	ug/l 98
23) Vinyl Acetate	5.85	43	466286	90.340	ug/l 100
24) 1,1-Dichloroethane	5.80	63	68859	17.851	ug/l 99
25) 2-Butanone	6.79	43	114477	91.649	ug/l 99
26) 2,2-Dichloropropane	6.78	77	60731	18.153	ug/l 99
27) cis-1,2-Dichloroethene	6.78	96	43316	17.730	ug/l 98
28) Bromochloromethane	7.15	49	31108	17.628	ug/l 96
29) Tetrahydrofuran	7.17	42	73626	85.390	ug/l 99
30) Chloroform	7.33	83	71696	18.023	ug/l 99
31) Cyclohexane	7.61	56	53174	16.276	ug/l # 95
32) 1,1,1-Trichloroethane	7.53	97	61629	18.038	ug/l 99
36) 1,1-Dichloropropene	7.75	75	51471	17.733	ug/l 99
37) Ethyl Acetate	6.88	43	49389	17.664	ug/l 99
38) Carbon Tetrachloride	7.73	117	54187	17.942	ug/l 98

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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	48892	15.647	ug/l	99
40) Benzene	8.00	78	159317	17.912	ug/l	99
41) Methacrylonitrile	7.12	41	20948	16.237	ug/l #	91
42) 1,2-Dichloroethane	8.08	62	53206	17.732	ug/l	100
43) Isopropyl Acetate	8.13	43	77443	17.213	ug/l	99
44) Trichloroethene	8.80	130	45779	17.444	ug/l	97
45) 1,2-Dichloropropane	9.08	63	41436	17.989	ug/l	100
46) Dibromomethane	9.17	93	27786	18.057	ug/l	99
47) Bromodichloromethane	9.37	83	55632	17.967	ug/l	99
48) Methyl methacrylate	9.17	41	37243	17.324	ug/l	98
49) 1,4-Dioxane	9.17	88	13487	331.930	ug/l	95
51) 4-Methyl-2-Pentanone	9.95	43	235888	87.333	ug/l	100
52) Toluene	10.12	92	99333	18.134	ug/l	97
53) t-1,3-Dichloropropene	10.35	75	59802	17.341	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	66234	17.918	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	41064	18.231	ug/l	96
56) Ethyl methacrylate	10.40	69	54229	17.446	ug/l	98
57) 1,3-Dichloropropane	10.68	76	67239	18.096	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	155697	91.062	ug/l	99
59) 2-Hexanone	10.72	43	169631	87.264	ug/l	98
60) Dibromochloromethane	10.87	129	45551	18.193	ug/l	100
61) 1,2-Dibromoethane	10.98	107	40357	17.635	ug/l	100
64) Tetrachloroethene	10.60	164	45780	16.577	ug/l	98
65) Chlorobenzene	11.41	112	108774	17.844	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	41125	18.358	ug/l	98
67) Ethyl Benzene	11.48	91	181529	17.826	ug/l	99
68) m/p-Xylenes	11.59	106	140884	36.541	ug/l	97
69) o-Xylene	11.92	106	66108	18.069	ug/l	99
70) Styrene	11.94	104	112140	18.156	ug/l	100
71) Bromoform	12.10	173	31474	17.591	ug/l #	98
73) Isopropylbenzene	12.22	105	178128	18.809	ug/l	100
74) N-amyl acetate	12.04	43	63712	17.095	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	51955	18.717	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	55377m	18.886	ug/l	
77) Bromobenzene	12.50	156	46365	18.160	ug/l	98
78) n-propylbenzene	12.56	91	195919	18.160	ug/l	100
79) 2-Chlorotoluene	12.65	91	120953	18.137	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	146725	18.640	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.28	75	17602	16.453	ug/l	94
82) 4-Chlorotoluene	12.75	91	127474	18.236	ug/l	100
83) tert-Butylbenzene	12.97	119	122583	18.579	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	149489	18.783	ug/l	100
85) sec-Butylbenzene	13.14	105	155880	17.794	ug/l	100
86) p-Isopropyltoluene	13.26	119	144920	18.170	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	81460	17.958	ug/l	100
88) 1,4-Dichlorobenzene	13.33	146	81178	16.922	ug/l	99
89) n-Butylbenzene	13.59	91	113755	16.241	ug/l	99
90) Hexachloroethane	13.85	117	25155	18.156	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	80908	18.165	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	10048	16.088	ug/l	98

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ClientSampleId :
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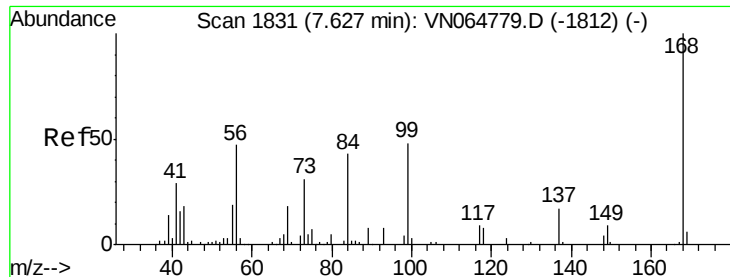
Manual Integrations
APPROVED

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12/8/2020 5:04:02 PM

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QLast Update : Mon Nov 23 13:54:12 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	41591	15.095	ug/l	97
94) Hexachlorobutadiene	14.98	225	21775	17.792	ug/l	98
95) Naphthalene	15.10	128	116472	14.110	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	38717	15.767	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064937.D

Acq: 7 Dec 2020 11:54

Instrument :

MSVOA_N

ClientSampleId :

VN1207WBS01

Tot Ion:168 Resp: 201623

Ion Ratio Lower Upper

168 100

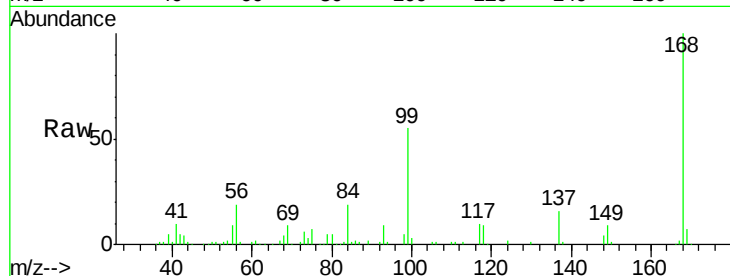
99 55.0 43.0 64.4

Manual Integrations

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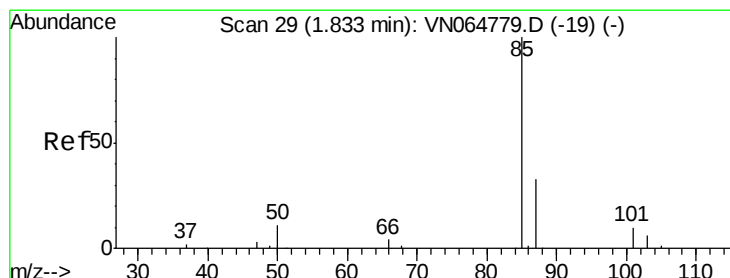
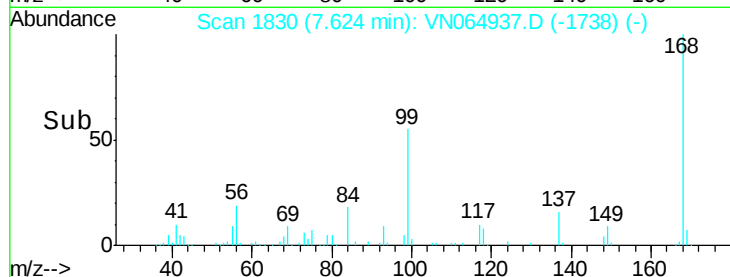
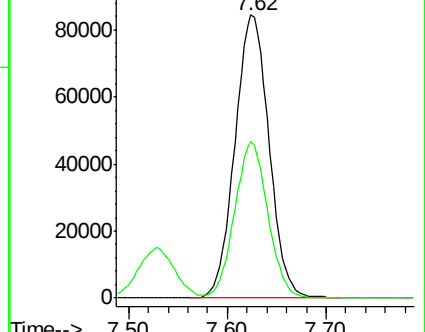
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 15.450 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064937.D

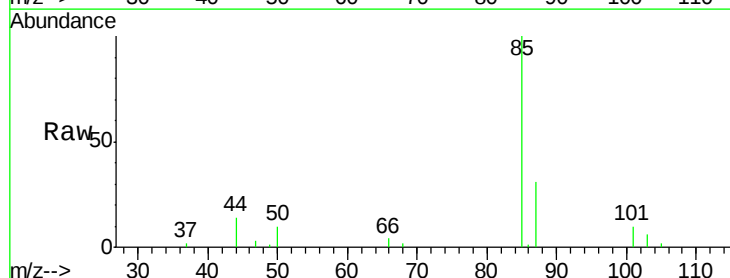
Acq: 7 Dec 2020 11:54

Tgt Ion: 85 Resp: 26998

Ion Ratio Lower Upper

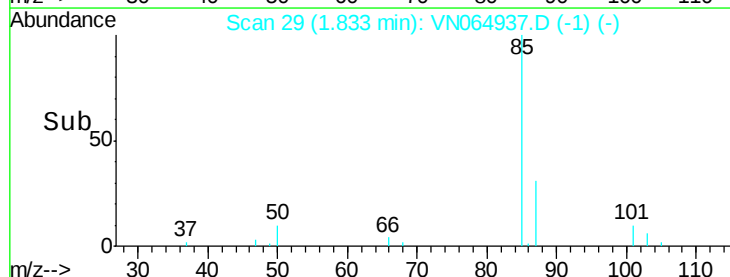
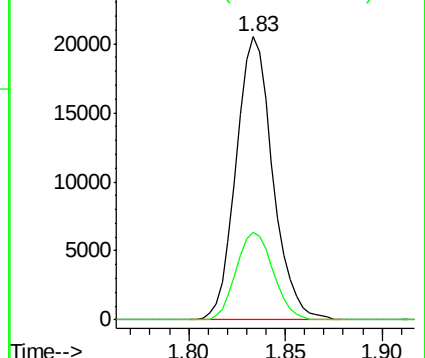
85 100

87 30.9 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





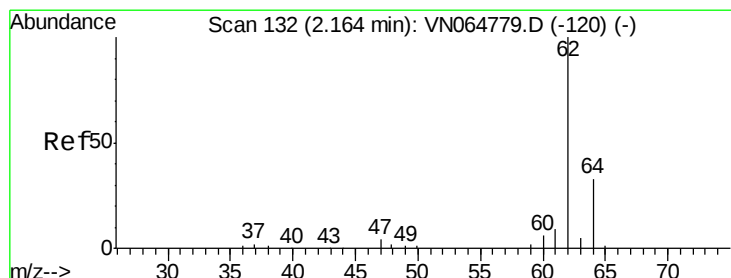
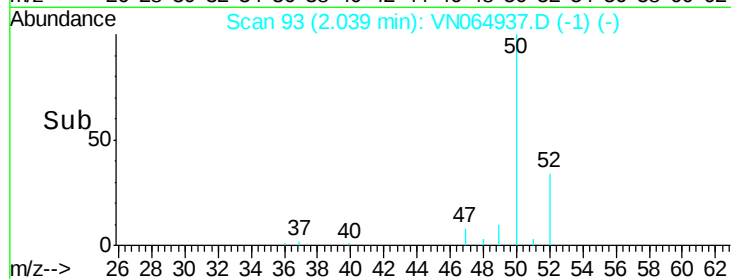
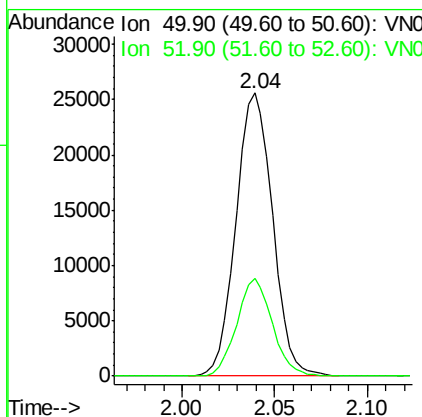
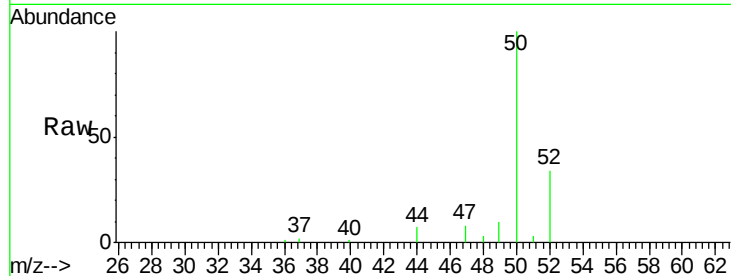
#3
Chloromethane
Concen: 15.480 ug/l
RT: 2.04 min Scan# 93
Delta R.T. 0.00 min
Lab File: VN064937.D
Acq: 7 Dec 2020 11:54

Instrument :
MSVOA_N
ClientSampled :
VN1207WBS01

Tot Ion: 50 Resp: 35152
Ion Ratio Lower Upper
50 100
52 34.3 26.6 39.8

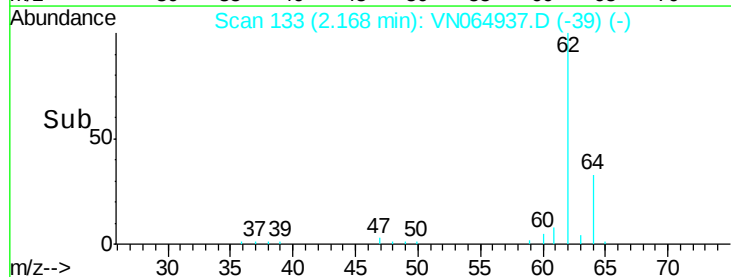
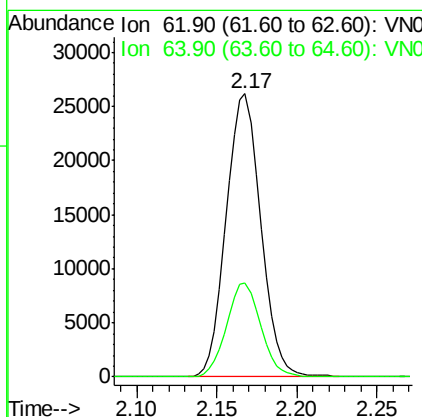
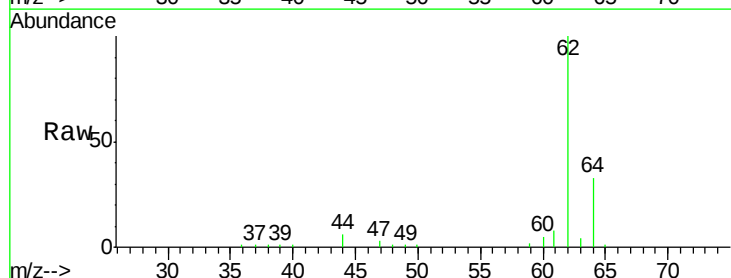
Manual Integrations
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#4
Vinyl Chloride
Concen: 16.292 ug/l
RT: 2.17 min Scan# 133
Delta R.T. 0.00 min
Lab File: VN064937.D
Acq: 7 Dec 2020 11:54

Tgt Ion: 62 Resp: 38570
Ion Ratio Lower Upper
62 100
64 33.1 26.5 39.7





#5

Bromomethane

Concen: 16.192 ug/l

RT: 2.53 min Scan# 245

Delta R.T. 0.00 min

Lab File: VN064937.D

Acq: 7 Dec 2020 11:54

Instrument :

MSVOA_N

ClientSampled :

VN1207WBS01

Tot Ion: 94 Resp: 25150

Ion Ratio Lower Upper

94 100

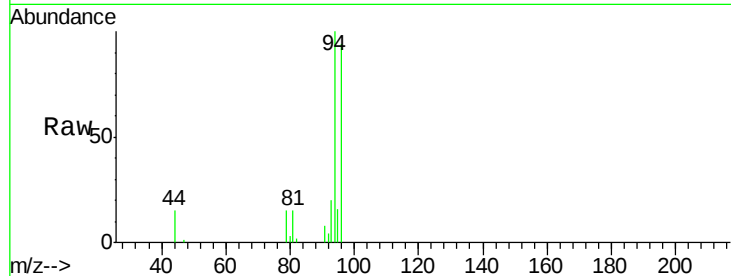
96 93.7 75.4 113.0

Manual Integrations

APPROVED

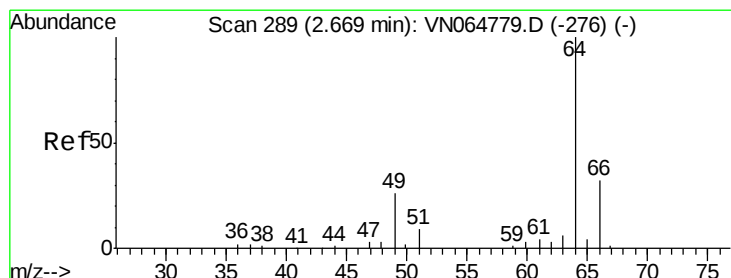
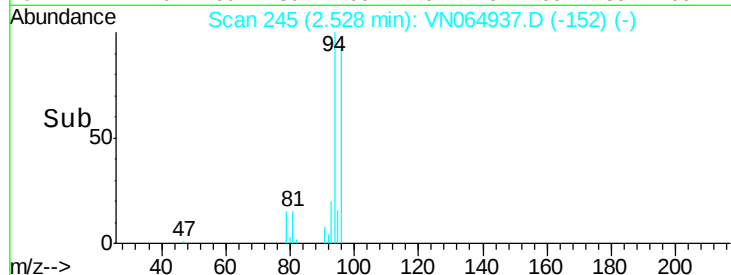
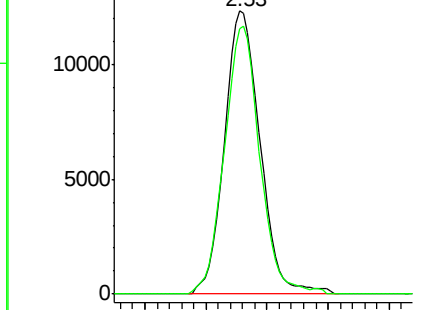
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 15.783 ug/l

RT: 2.67 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN064937.D

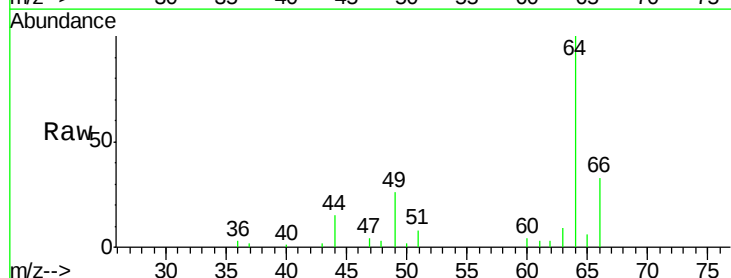
Acq: 7 Dec 2020 11:54

Tgt Ion: 64 Resp: 23111

Ion Ratio Lower Upper

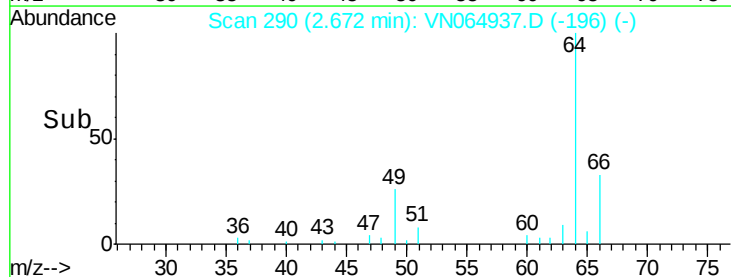
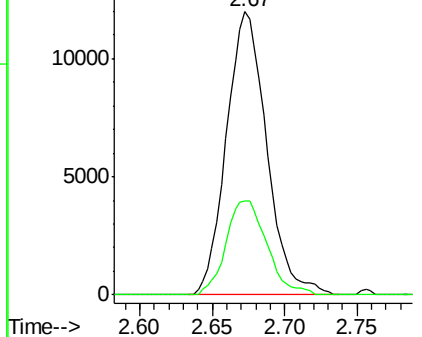
64 100

66 33.4 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

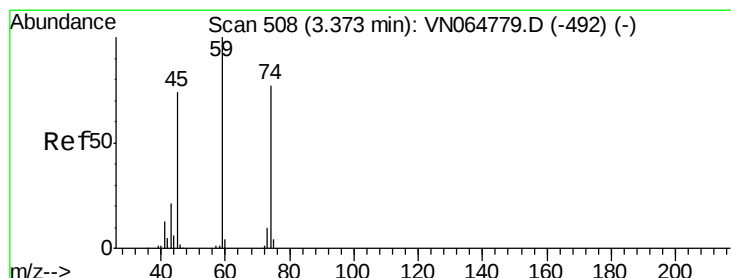
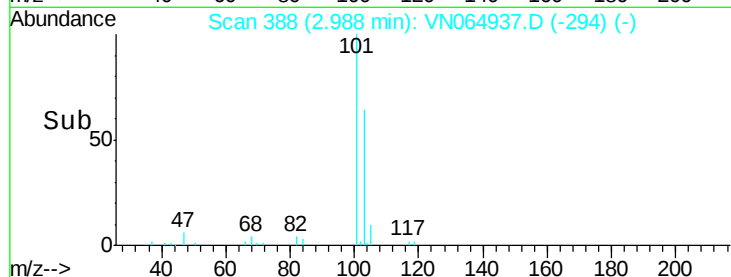
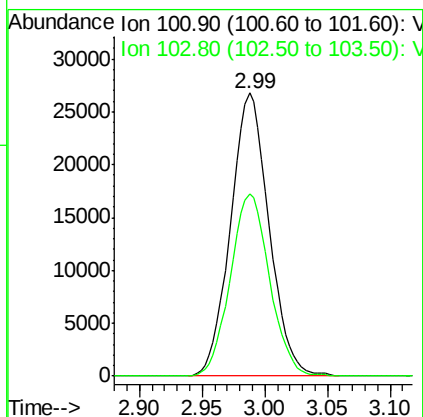
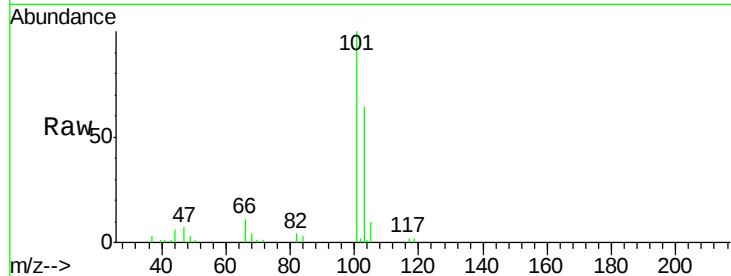
Trichlorofluoromethane
Concen: 17.442 ug/l
RT: 2.99 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN064937.D
Acq: 7 Dec 2020 11:54

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	50.5	75.7

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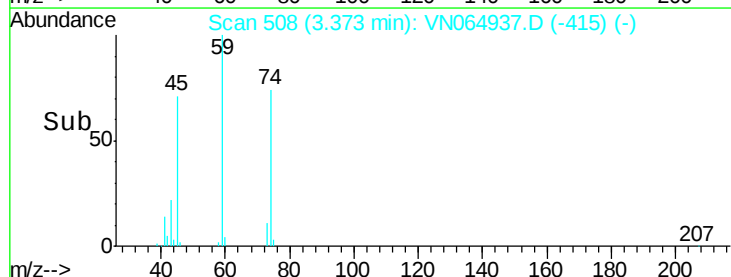
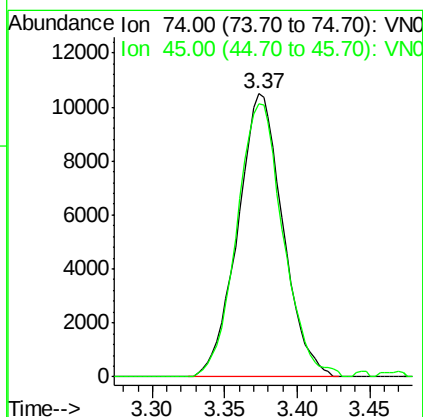
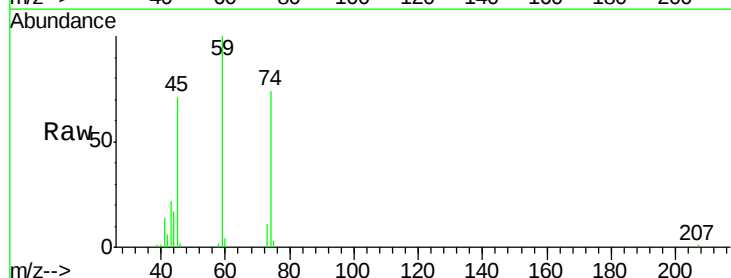
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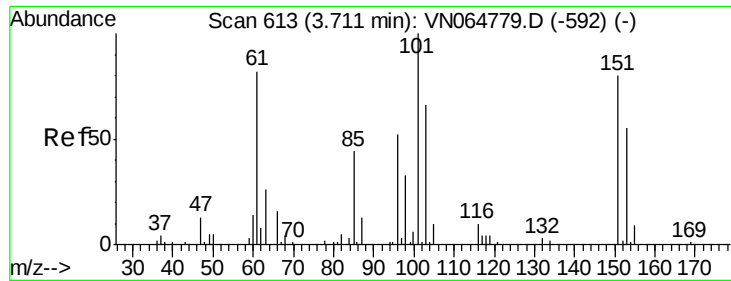


#8

Diethyl Ether
Concen: 17.547 ug/l
RT: 3.37 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN064937.D
Acq: 7 Dec 2020 11:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.3	48.9	146.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.996 ug/l

RT: 3.71 min Scan# 614

Delta R.T. 0.00 min

Lab File: VN064937.D

Acq: 7 Dec 2020 11:54

Instrument :

MSVOA_N

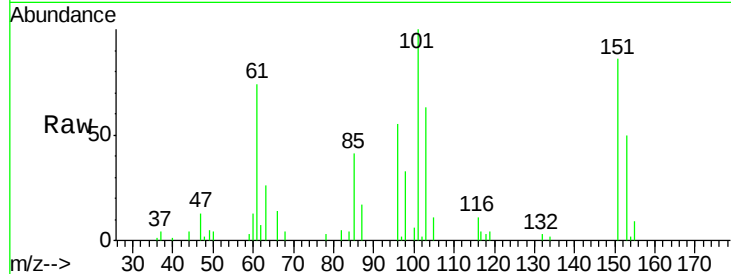
ClientSampleId :

VN1207WBS01

Tot Ion:	101	Resp:	35328
Ion Ratio	Lower	Upper	
101	100		
85	41.4	34.4	51.6
151	80.3	64.0	96.0

Manual Integrations
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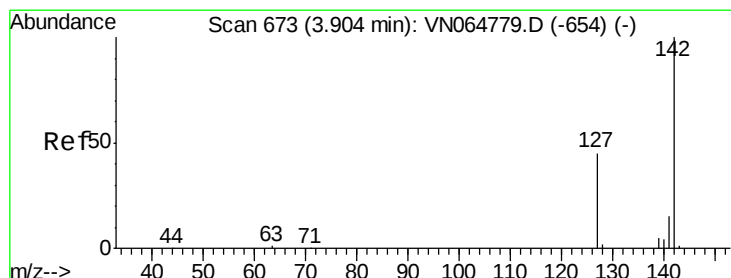
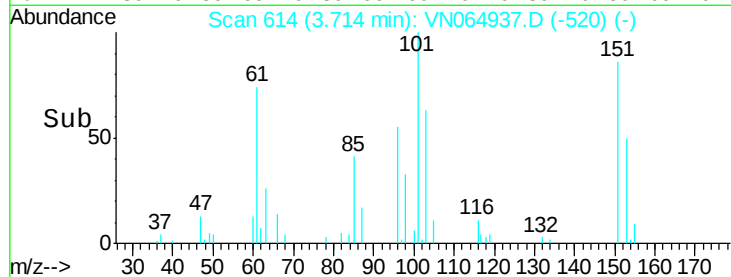
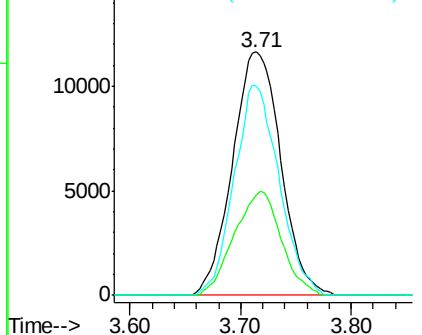


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 15.184 ug/l

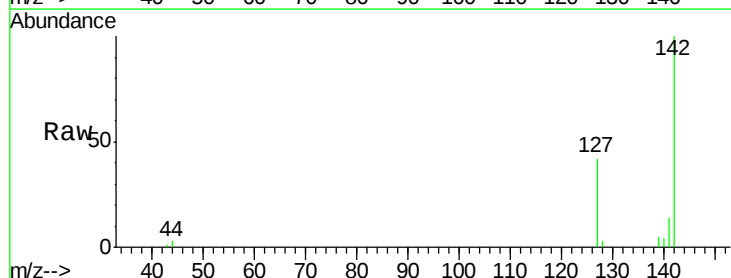
RT: 3.91 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN064937.D

Acq: 7 Dec 2020 11:54

Tgt Ion:	142	Resp:	38664
Ion Ratio	Lower	Upper	
142	100		
127	42.0	35.0	52.6
141	14.3	11.8	17.6

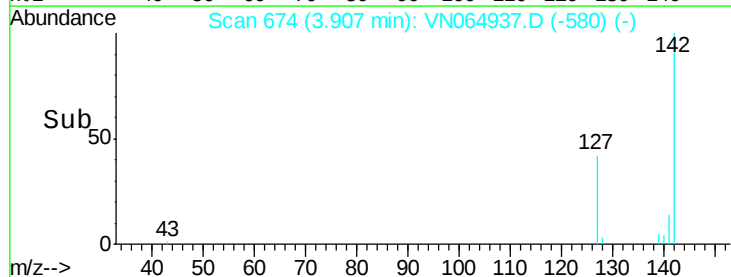
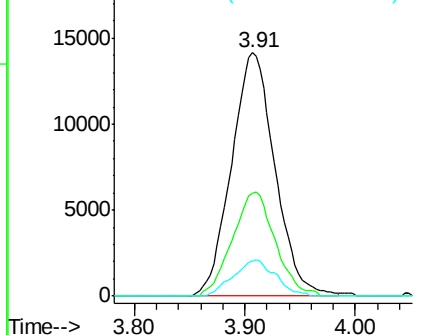


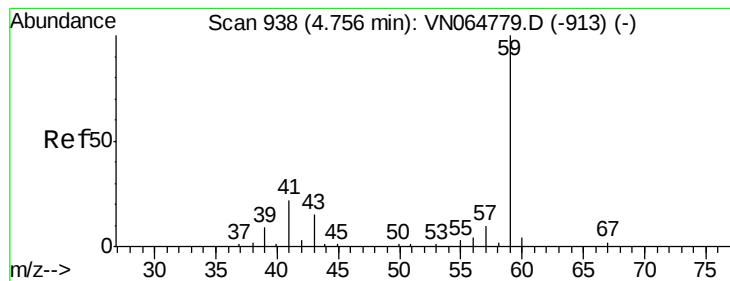
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

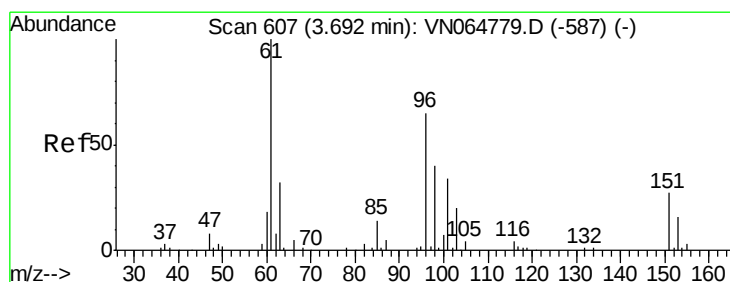
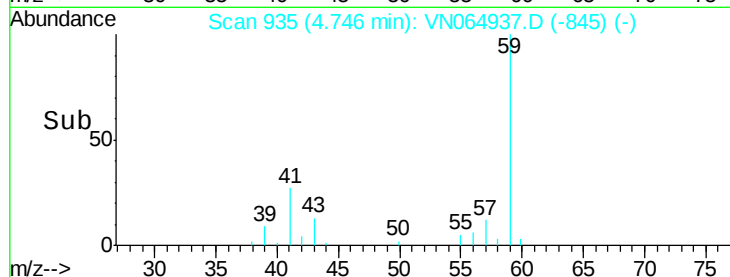
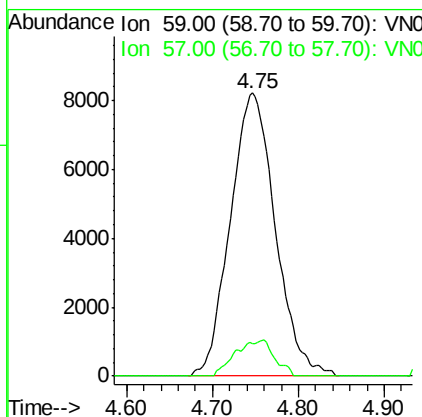
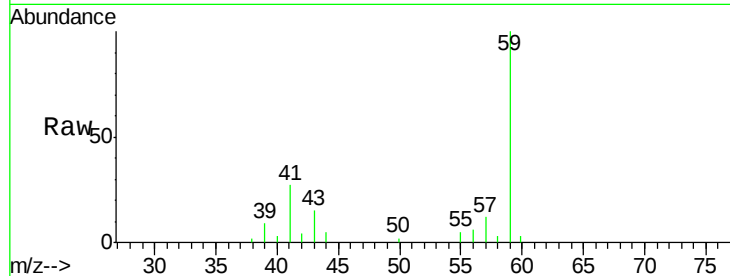
Tert butyl alcohol
 Concen: 81.838 ug/l
 RT: 4.75 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VN064937.D
 Acq: 7 Dec 2020 11:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	29916		
57	6.1		7.9	11.9#

Manual Integrations
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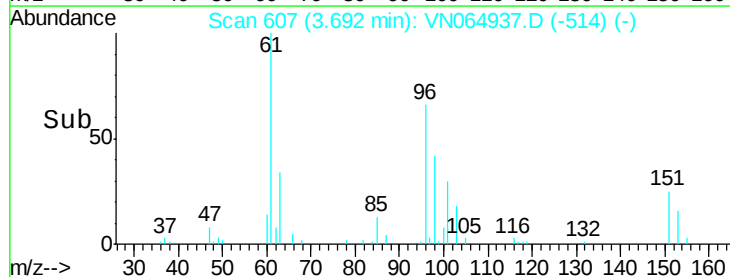
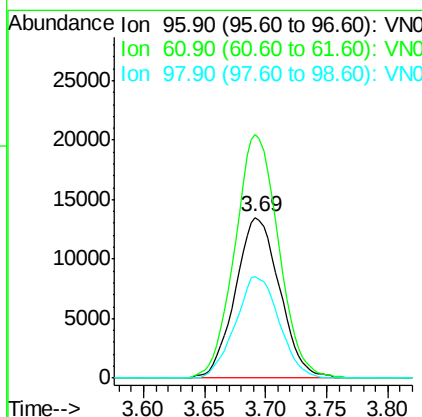
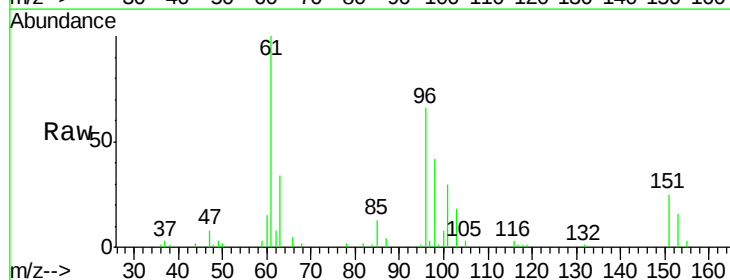
MMDadoda
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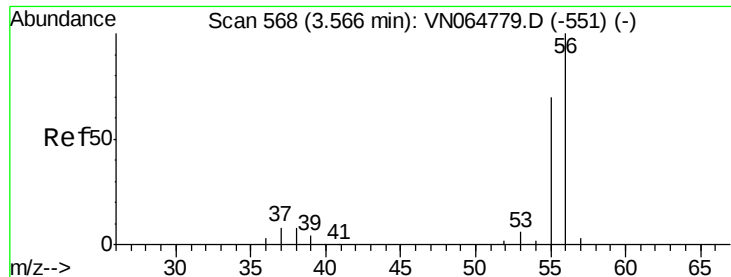


#12

1,1-Dichloroethene
 Concen: 17.336 ug/l
 RT: 3.69 min Scan# 607
 Delta R.T. 0.00 min
 Lab File: VN064937.D
 Acq: 7 Dec 2020 11:54

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	33895		
61	151.7		123.4	185.2
98	63.1		49.8	74.8





#13

Acrolein

Concen: 86.091 ug/l

RT: 3.56 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN064937.D

Acq: 7 Dec 2020 11:54

Instrument :

MSVOA_N

ClientSampleId :

VN1207WBS01

Tot Ion: 56 Resp: 19223

Ion Ratio Lower Upper

56 100

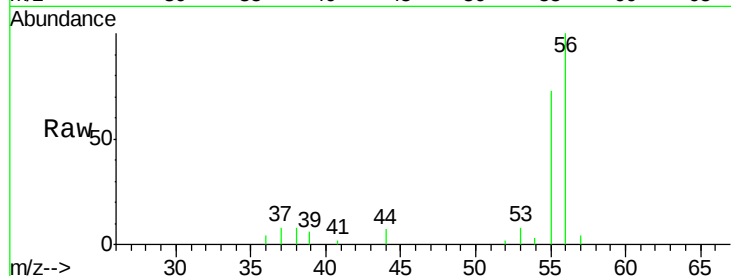
55 70.0 56.5 84.7

Manual Integrations

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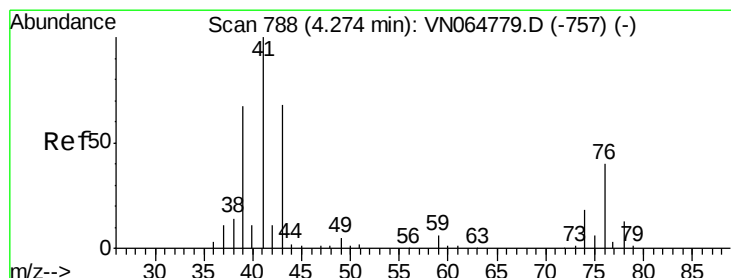
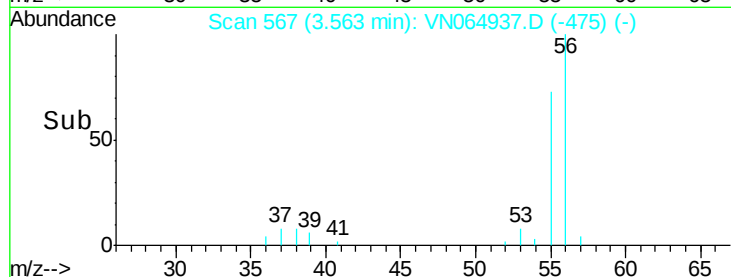
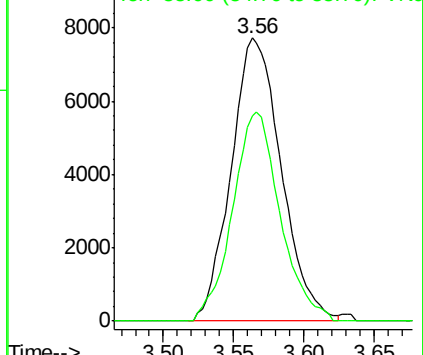
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 17.010 ug/l

RT: 4.28 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN064937.D

Acq: 7 Dec 2020 11:54

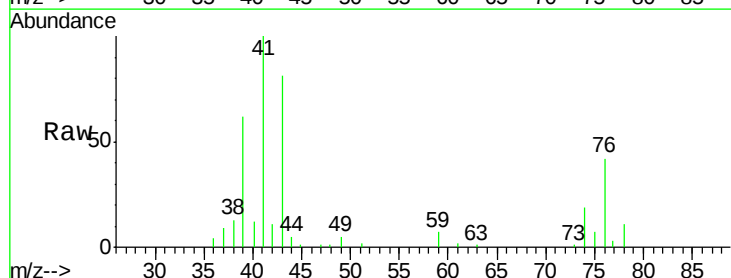
Tgt Ion: 41 Resp: 54851

Ion Ratio Lower Upper

41 100

39 62.4 50.9 76.3

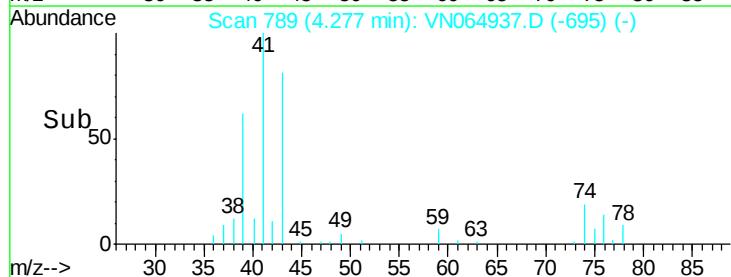
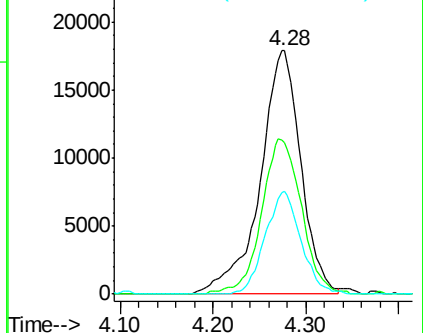
76 37.0 29.0 43.4

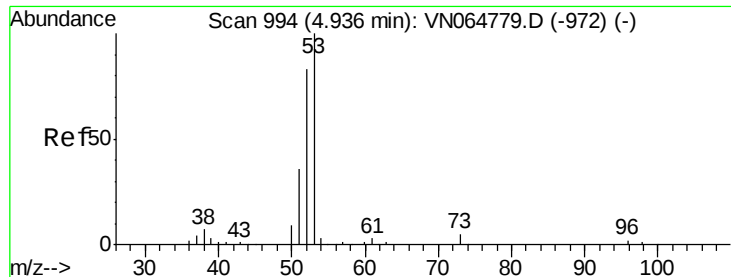


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 85.891 ug/l

RT: 4.93 min Scan# 993

Delta R.T. -0.00 min

Lab File: VN064937.D

Acq: 7 Dec 2020 11:54

Instrument :

MSVOA_N

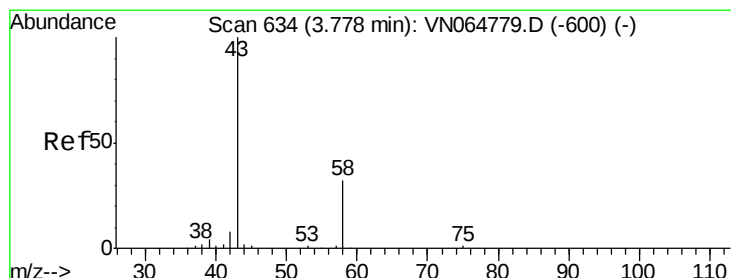
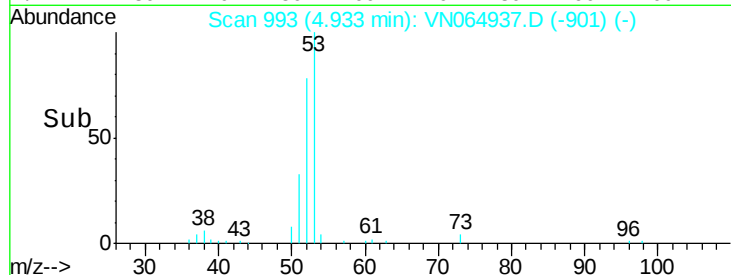
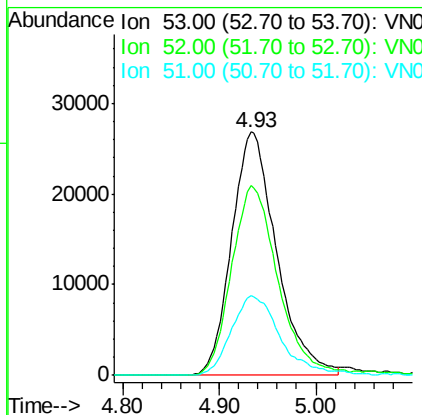
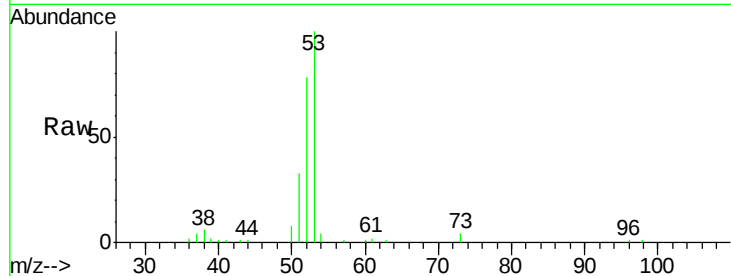
ClientSampleId :

VN1207WBS01

Tot Ion:	53	Resp:	86737
Ion Ratio	Lower	Upper	
53	100		
52	80.2	65.5	98.3
51	35.2	28.6	43.0

Manual Integrations
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#16

Acetone

Concen: 97.015 ug/l

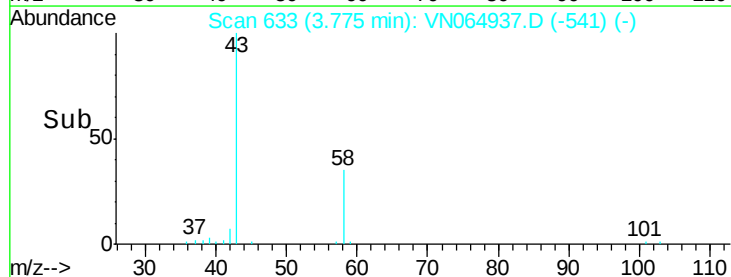
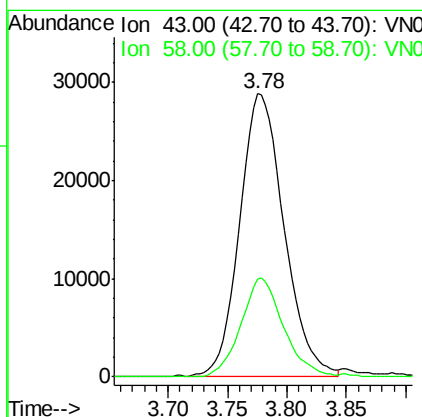
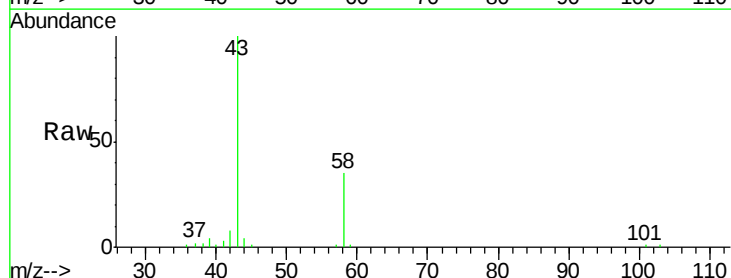
RT: 3.78 min Scan# 633

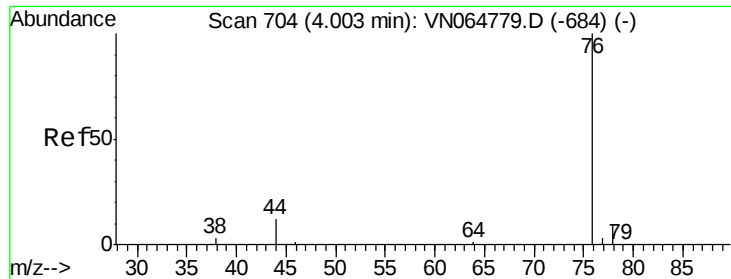
Delta R.T. -0.00 min

Lab File: VN064937.D

Acq: 7 Dec 2020 11:54

Tgt Ion:	43	Resp:	74754
Ion Ratio	Lower	Upper	
43	100		
58	34.5	25.7	38.5





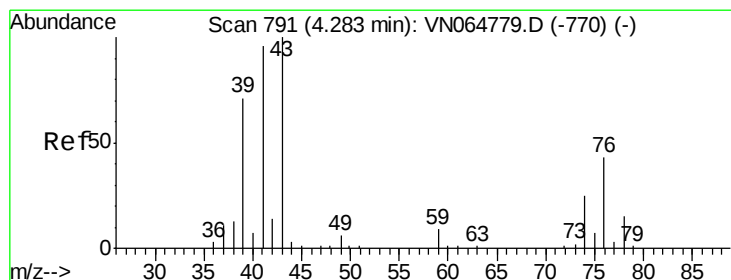
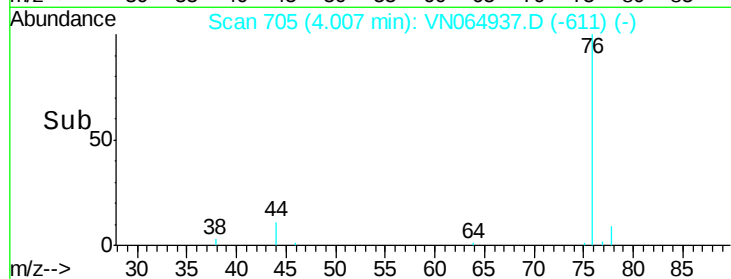
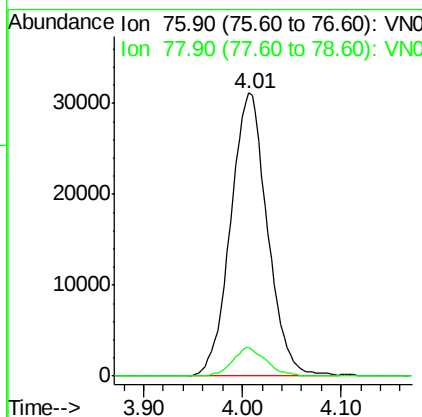
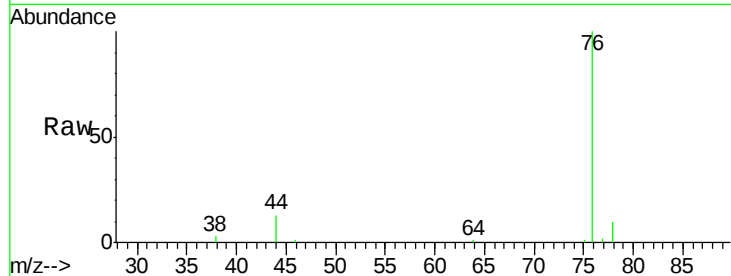
#17
Carbon Disulfide
Concen: 15.995 ug/l
RT: 4.01 min Scan# 705
Delta R.T. 0.00 min
Lab File: VN064937.D
Acq: 7 Dec 2020 11:54

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBS01

Tot Ion: 76 Resp: 80726
Ion Ratio Lower Upper
76 100
78 10.2 7.4 11.0

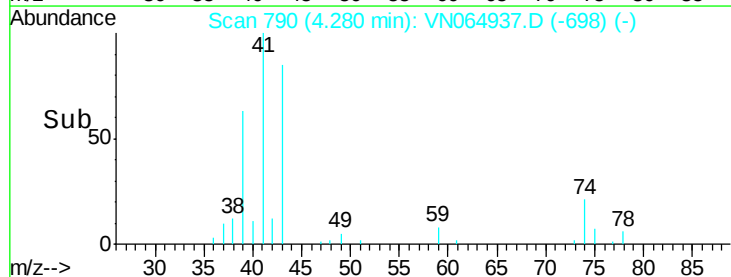
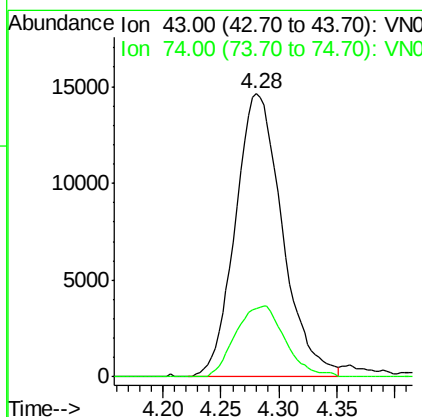
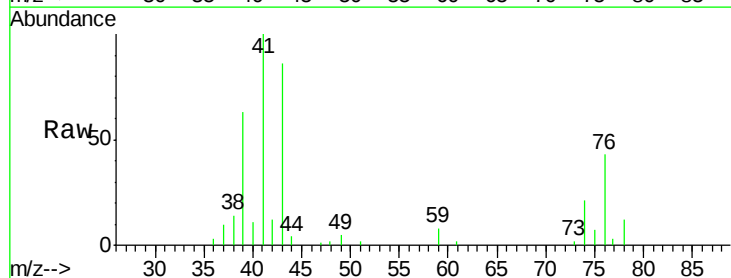
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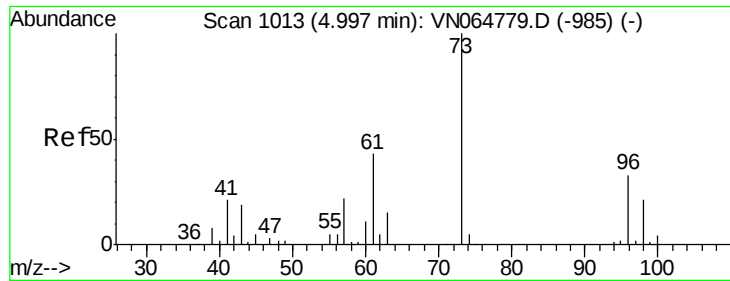
MMDadoda
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#18
Methyl Acetate
Concen: 17.862 ug/l
RT: 4.28 min Scan# 790
Delta R.T. -0.00 min
Lab File: VN064937.D
Acq: 7 Dec 2020 11:54

Tgt Ion: 43 Resp: 41381
Ion Ratio Lower Upper
43 100
74 26.4 20.2 30.2





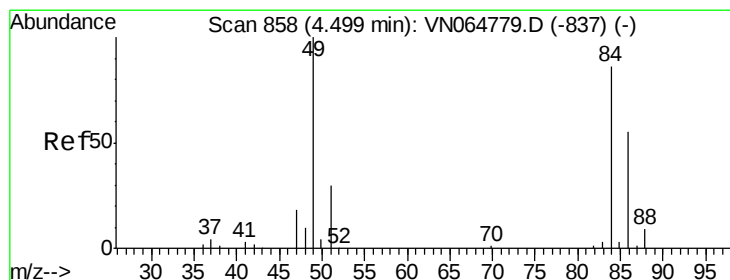
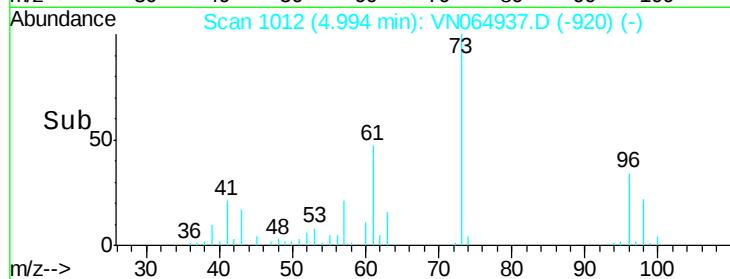
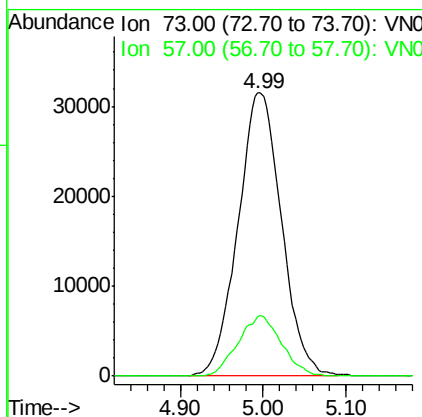
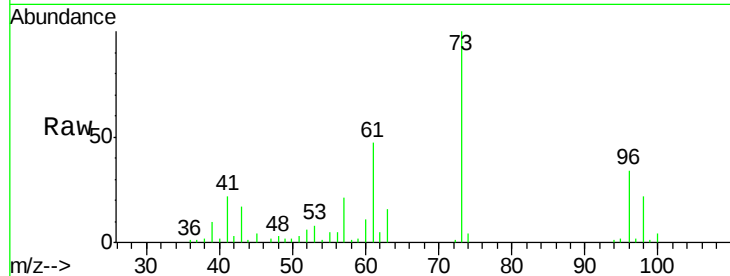
#19
Methvl tert-butvl Ether
Concen: 18.298 ug/l
RT: 4.99 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VN064937.D
Acq: 7 Dec 2020 11:54

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBS01

Tot Ion: 73 Resp: 114736
Ion Ratio Lower Upper
73 100
57 21.0 17.4 26.0

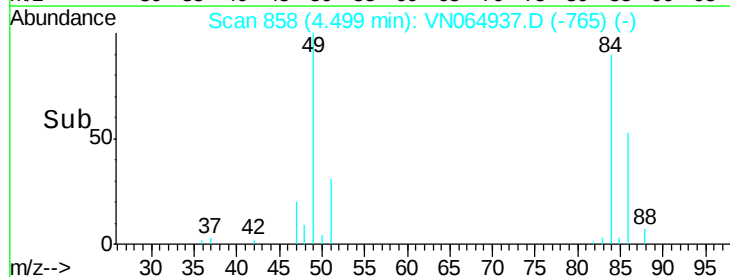
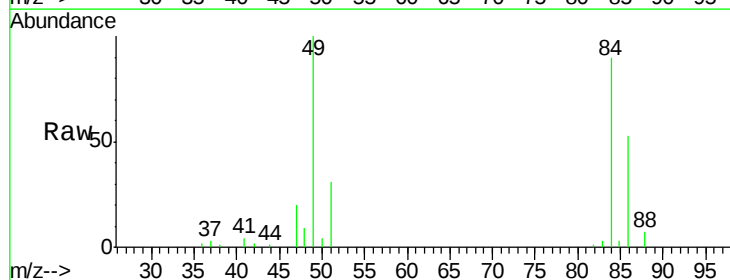
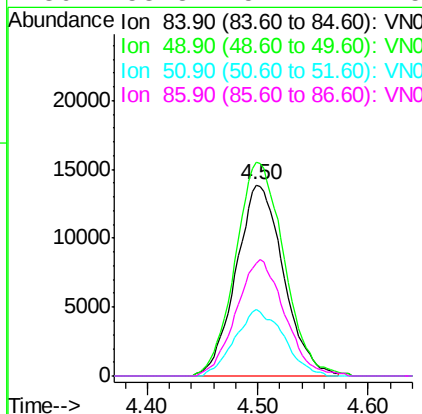
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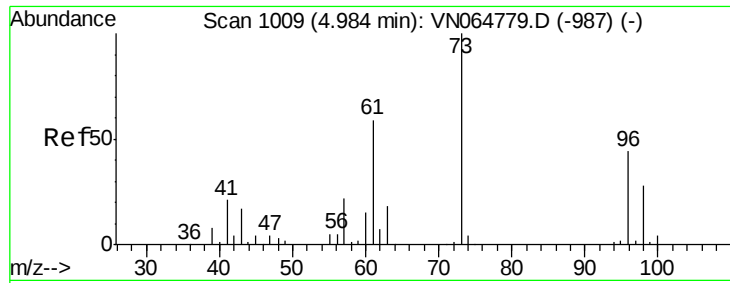
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#20
Methylene Chloride
Concen: 17.149 ug/l
RT: 4.50 min Scan# 858
Delta R.T. 0.00 min
Lab File: VN064937.D
Acq: 7 Dec 2020 11:54

Tgt Ion: 84 Resp: 41407
Ion Ratio Lower Upper
84 100
49 111.6 93.4 140.0
51 34.7 28.2 42.4
86 58.8 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 17.130 ug/l

RT: 4.99 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VN064937.D

Acq: 7 Dec 2020 11:54

Instrument :

MSVOA_N

ClientSampleId :

VN1207WBS01

Tot Ion: 96 Resp: 37192

Ion Ratio Lower Upper

96 100

61 126.8 108.4 162.6

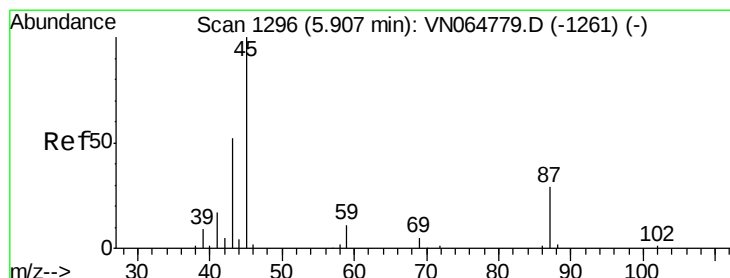
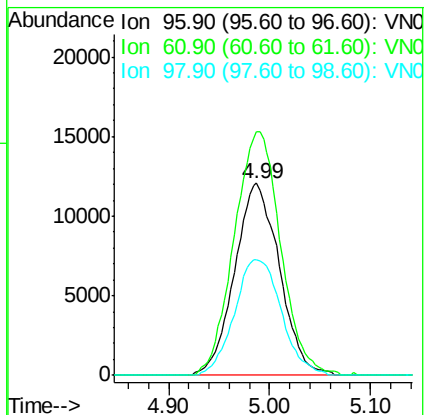
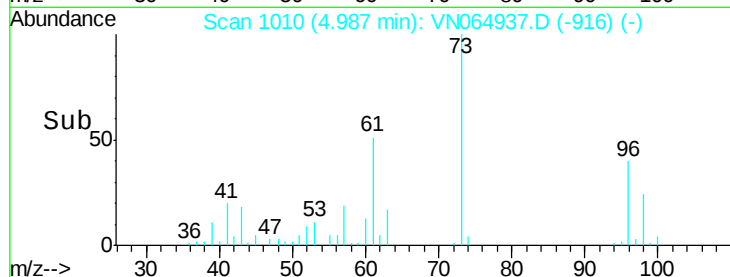
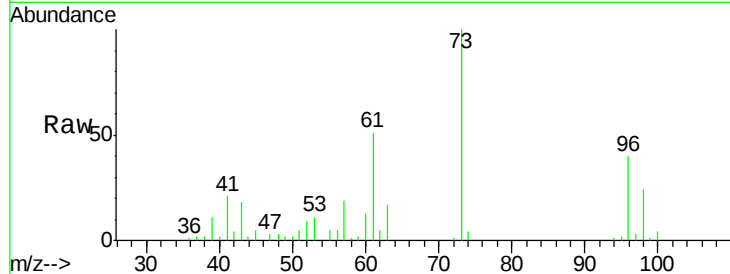
98 60.4 51.3 76.9

Manual Integrations

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#22

Diisopropyl ether

Concen: 18.416 ug/l

RT: 5.90 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VN064937.D

Acq: 7 Dec 2020 11:54

Tgt Ion: 45 Resp: 118868

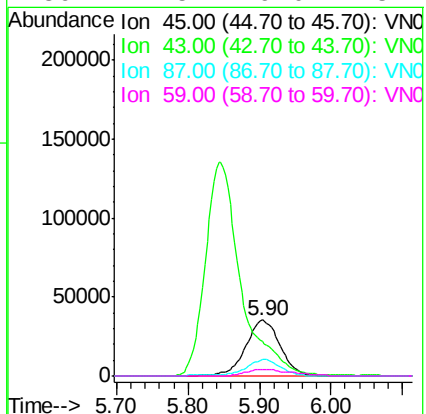
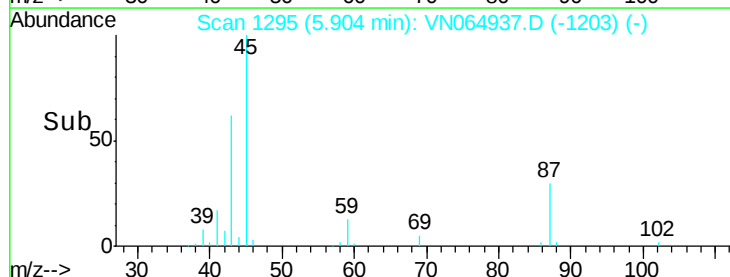
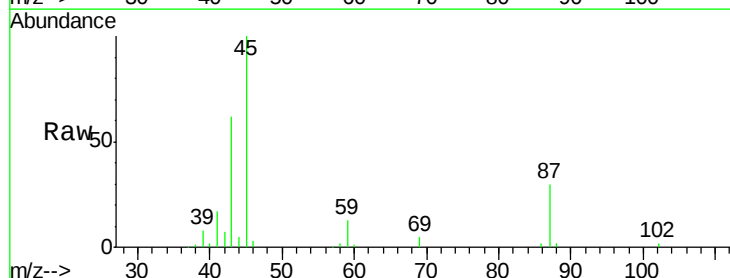
Ion Ratio Lower Upper

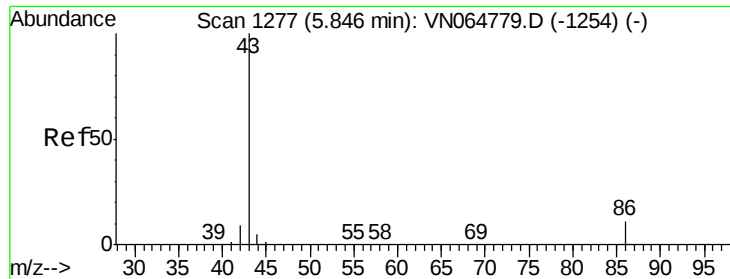
45 100

43 59.9 46.2 69.2

87 30.2 24.1 36.1

59 12.5 9.0 13.4





#23

Vinyl Acetate

Concen: 90.340 ug/l

RT: 5.85 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN064937.D

Acq: 7 Dec 2020 11:54

Instrument :

MSVOA_N

ClientSampled :

VN1207WBS01

Tot Ion: 43 Resp: 466286

Ion Ratio Lower Upper

43 100

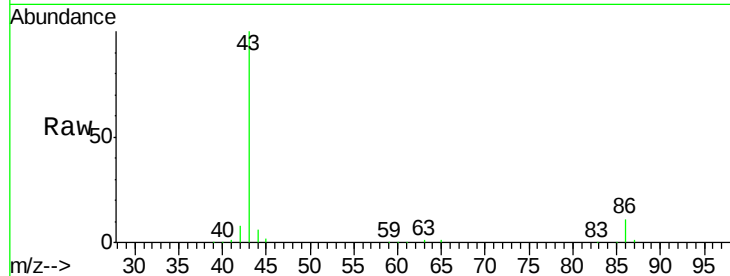
86 11.2 8.9 13.3

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

150000

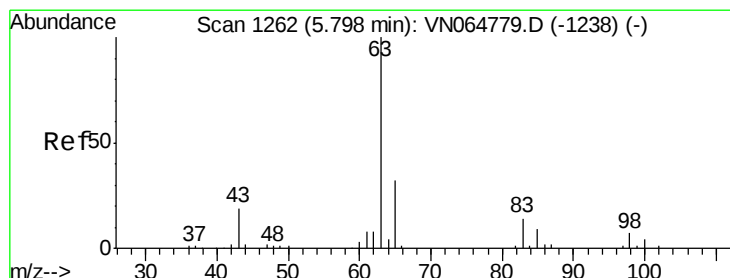
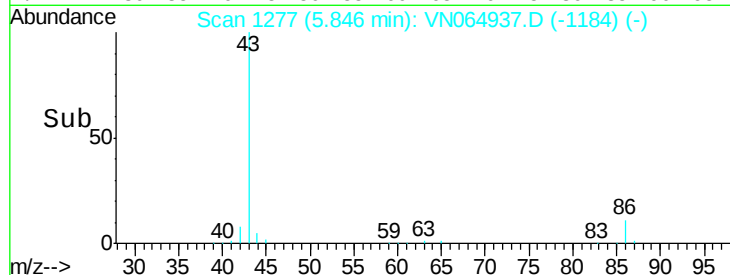
100000

50000

0

5.70 5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 17.851 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VN064937.D

Acq: 7 Dec 2020 11:54

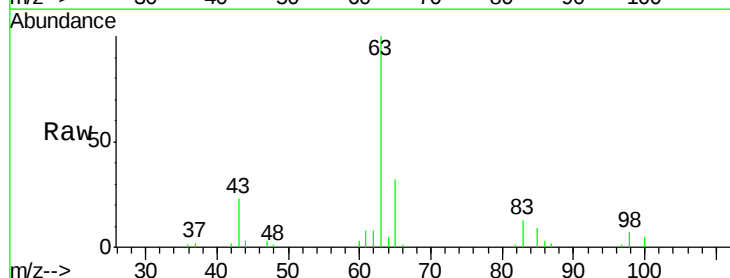
Tgt Ion: 63 Resp: 68859

Ion Ratio Lower Upper

63 100

98 7.2 3.5 10.5

100 5.1 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

25000

20000

15000

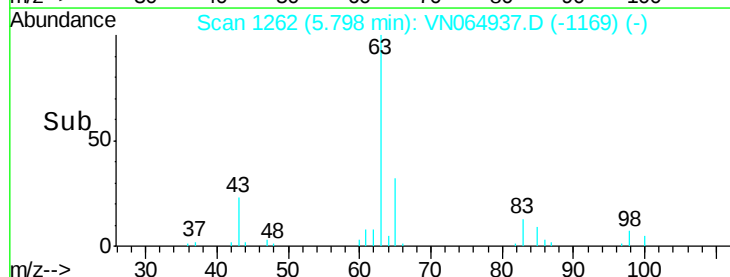
10000

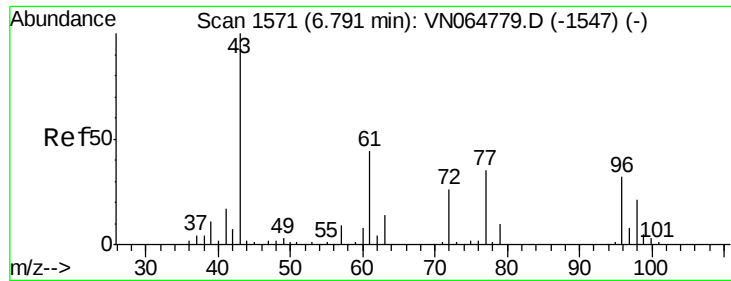
5000

0

5.70 5.80 5.90

Time-->





#25

2-Butanone

Concen: 91.649 ug/l

RT: 6.79 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN064937.D

Acq: 7 Dec 2020 11:54

Instrument :

MSVOA_N

ClientSampleId :

VN1207WBS01

Tot Ion: 43 Resp: 114477

Ion Ratio Lower Upper

43 100

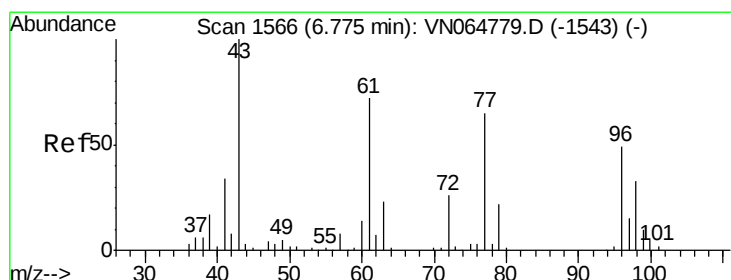
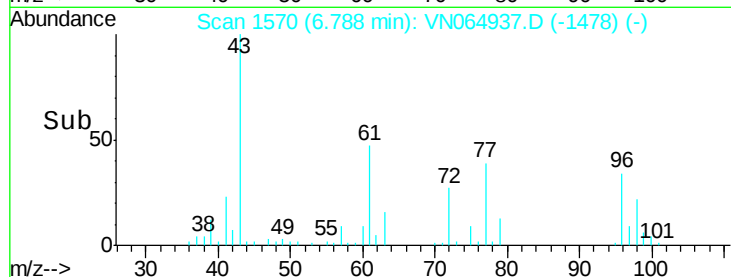
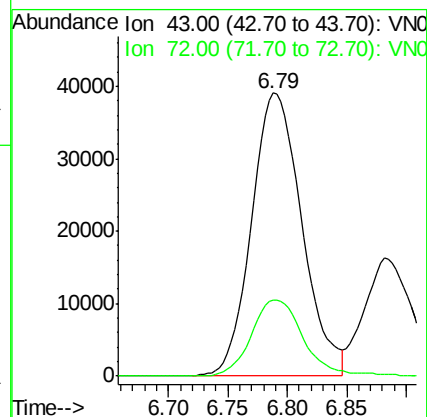
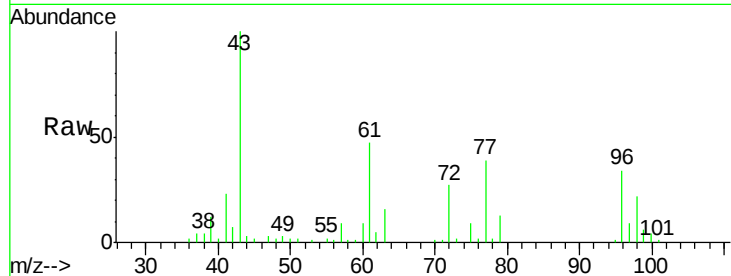
72 27.0 21.0 31.6

Manual Integrations

APPROVED

MMDadoda

12/8/2020 5:04:02 PM



#26

2,2-Dichloropropane

Concen: 18.153 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN064937.D

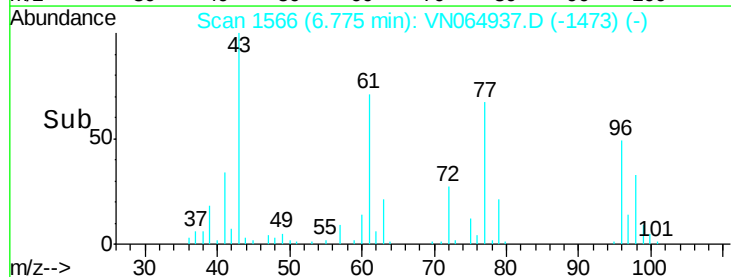
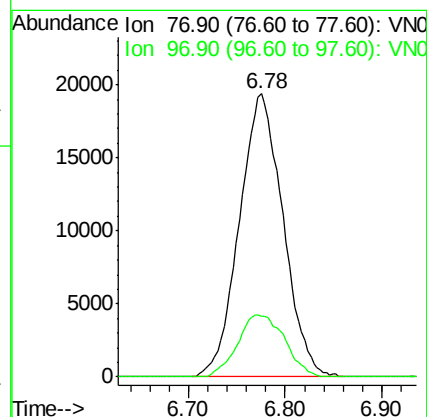
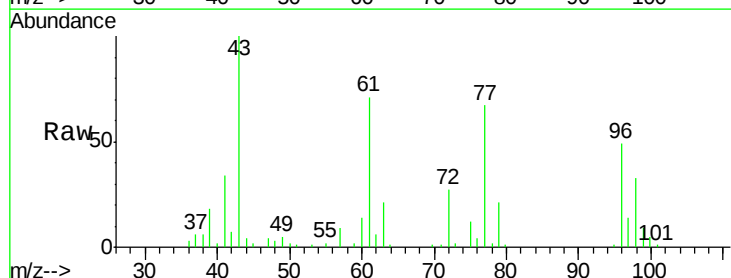
Acq: 7 Dec 2020 11:54

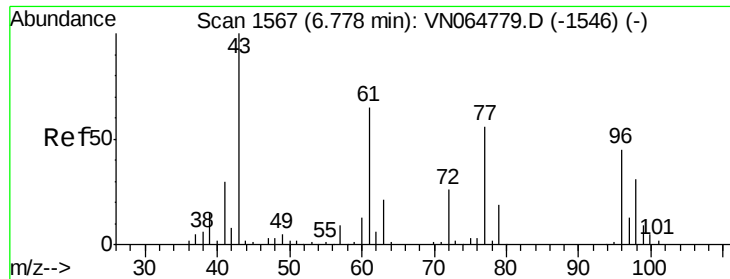
Tgt Ion: 77 Resp: 60731

Ion Ratio Lower Upper

77 100

97 23.6 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 17.730 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN064937.D

Acq: 7 Dec 2020 11:54

Instrument :

MSVOA_N

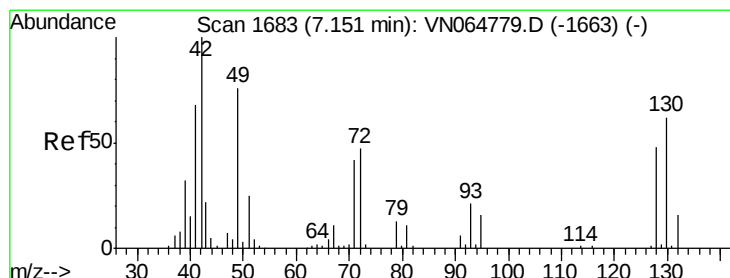
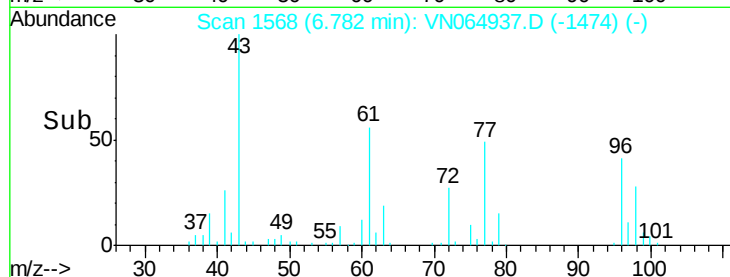
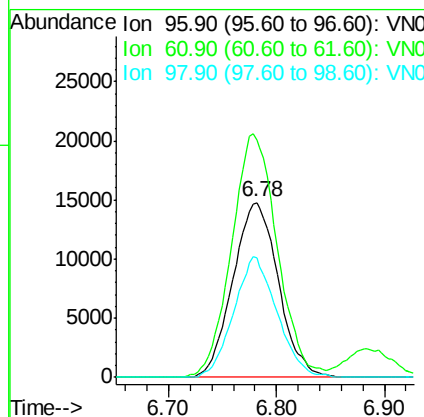
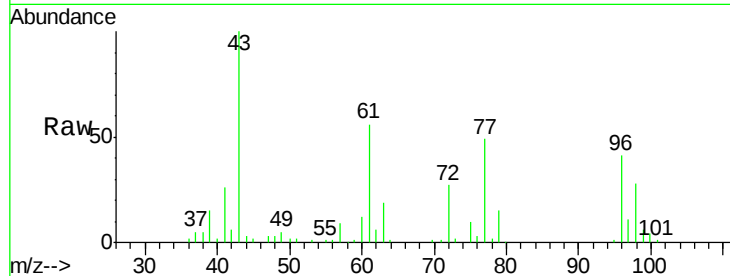
ClientSampleId :

VN1207WBS01

Tot Ion:	96	Resp:	43316
Ion	Ratio	Lower	Upper
96	100		
61	139.9	0.0	285.8
98	65.4	0.0	130.6

Manual Integrations
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#28

Bromochloromethane

Concen: 17.628 ug/l

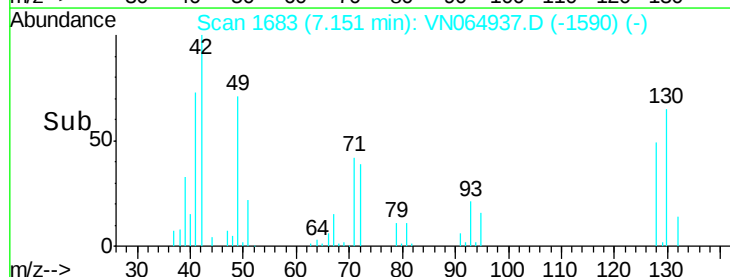
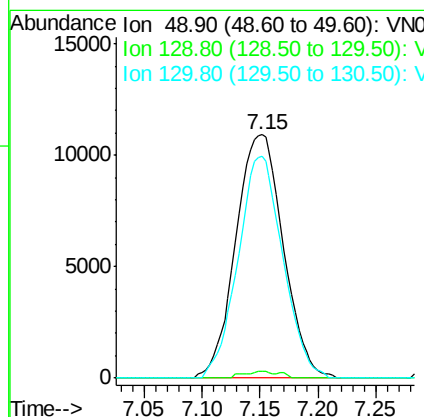
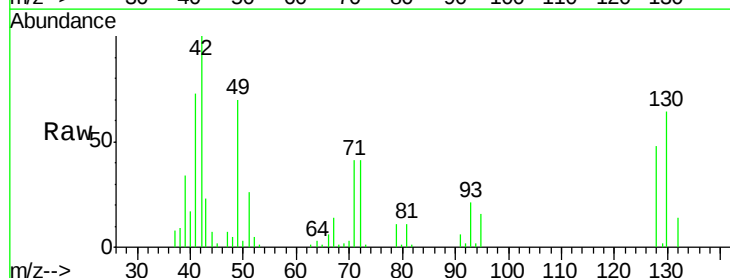
RT: 7.15 min Scan# 1683

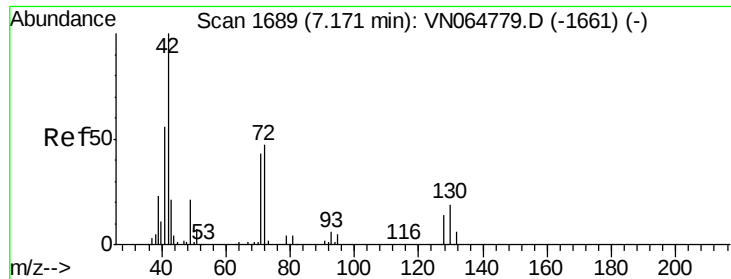
Delta R.T. 0.00 min

Lab File: VN064937.D

Acq: 7 Dec 2020 11:54

Tgt Ion:	49	Resp:	31108
Ion	Ratio	Lower	Upper
49	100		
129	0.5	0.0	3.8
130	86.1	66.2	99.2





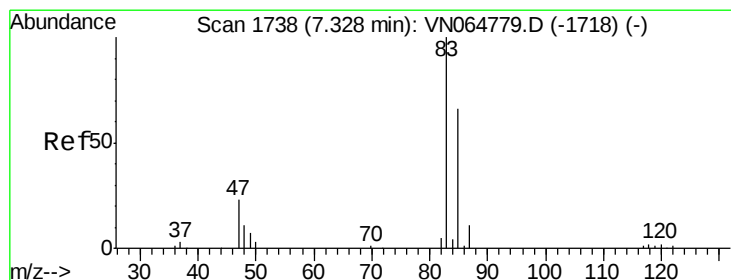
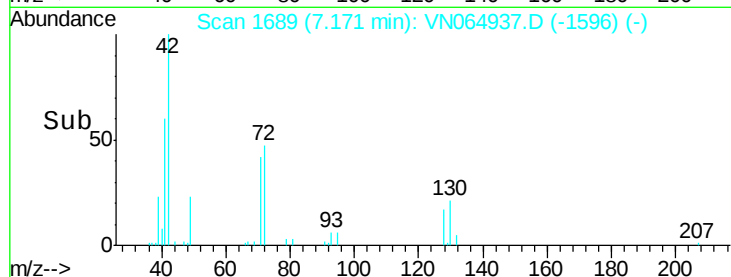
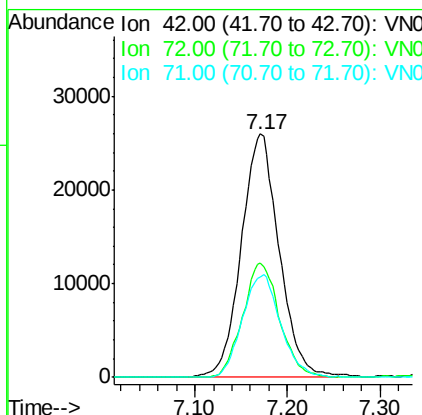
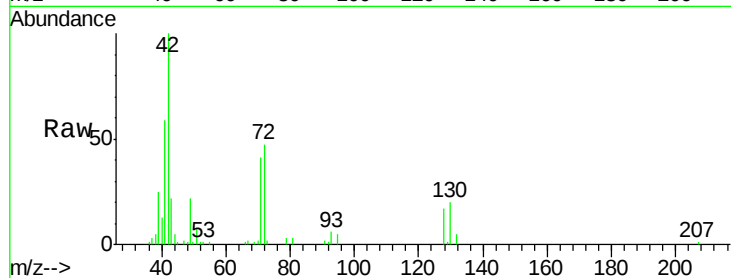
#29
Tetrahydrofuran
Concen: 85.390 ug/l
RT: 7.17 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VN064937.D
Acq: 7 Dec 2020 11:54

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.6	36.6	54.8
71	42.6	33.6	50.4

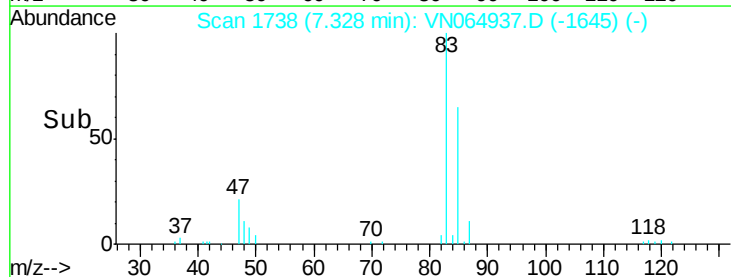
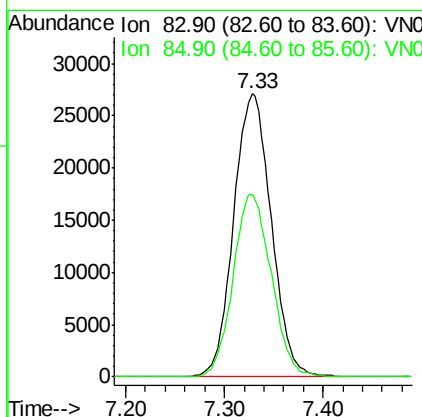
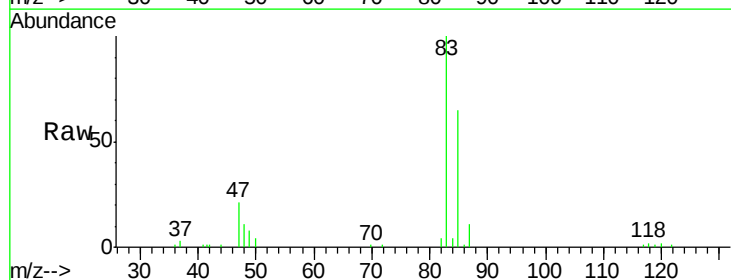
Manual Integrations
APPROVED

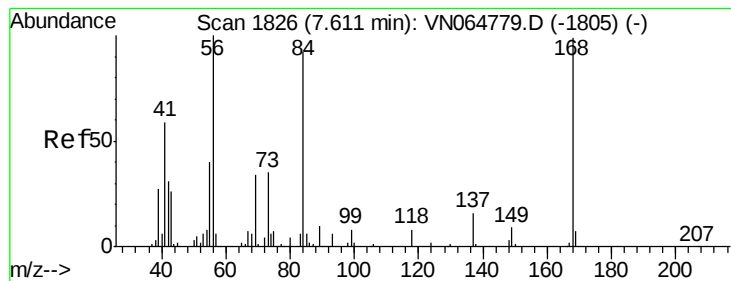
MMDadoda
12/8/2020 5:04:02 PM



#30
Chloroform
Concen: 18.023 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN064937.D
Acq: 7 Dec 2020 11:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	52.6	78.8





#31

Cyclohexane

Concen: 16.276 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN064937.D

Acq: 7 Dec 2020 11:54

Instrument :

MSVOA_N

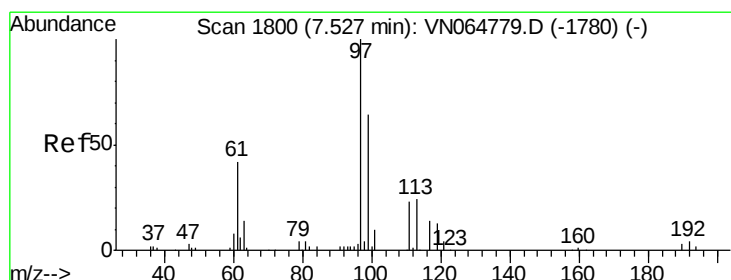
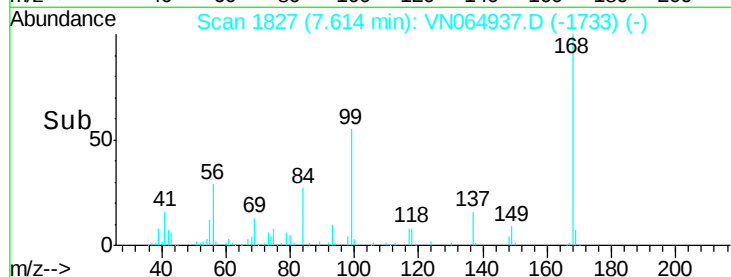
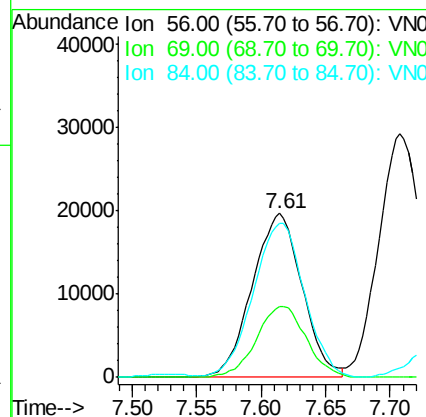
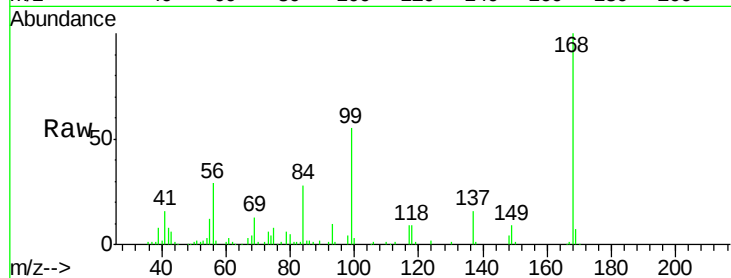
ClientSampled :

VN1207WBS01

Tot Ion:	56	Resp:	53174
Ion	Ratio	Lower	Upper
56	100		
69	43.4	27.5	41.3#
84	93.3	73.9	110.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 18.038 ug/l

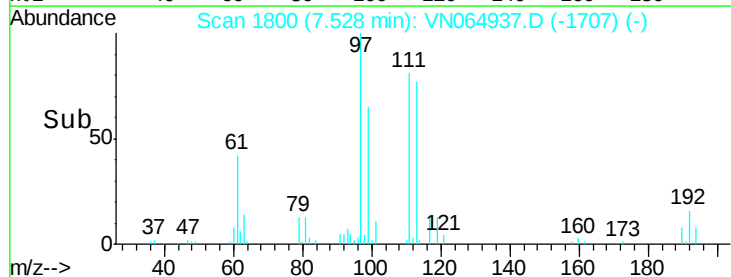
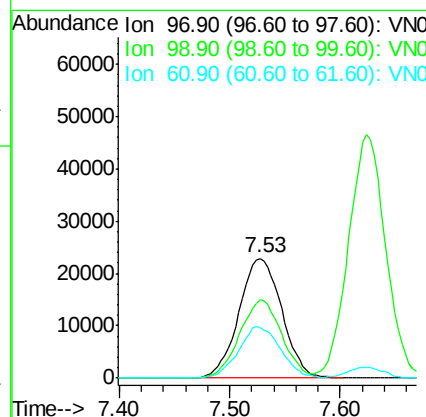
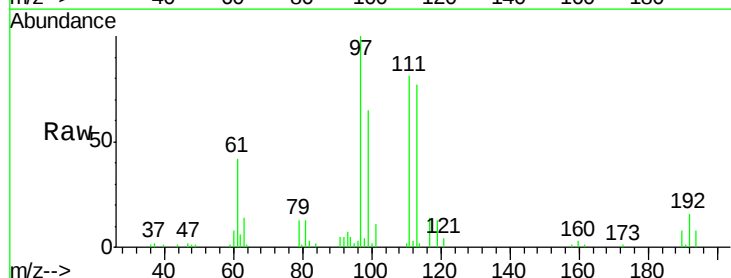
RT: 7.53 min Scan# 1800

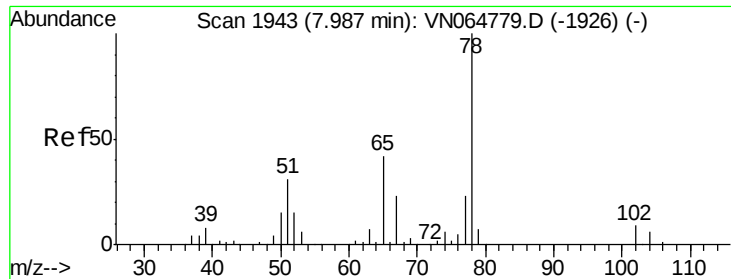
Delta R.T. 0.00 min

Lab File: VN064937.D

Acq: 7 Dec 2020 11:54

Tgt Ion:	97	Resp:	61629
Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.7	77.5
61	42.2	33.9	50.9





#33

1,2-Dichloroethane-d4

Concen: 48.982 ug/l

RT: 7.98 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VN064937.D

Acq: 7 Dec 2020 11:54

Instrument :

MSVOA_N

ClientSampled :

VN1207WBS01

Tot Ion: 65 Resp: 114814

Ion Ratio Lower Upper

65 100

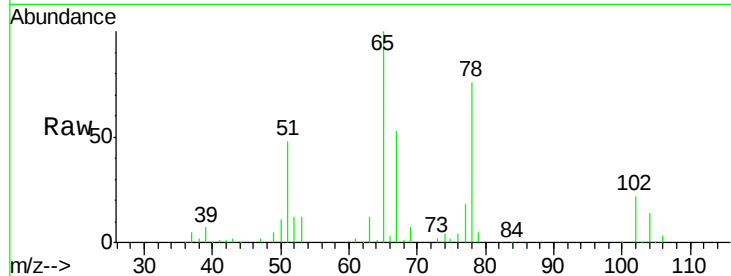
67 54.3 0.0 108.2

Manual Integrations

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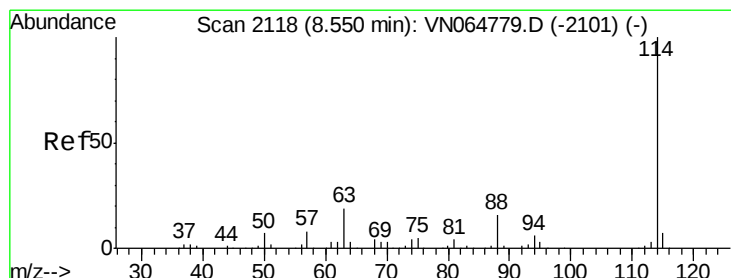
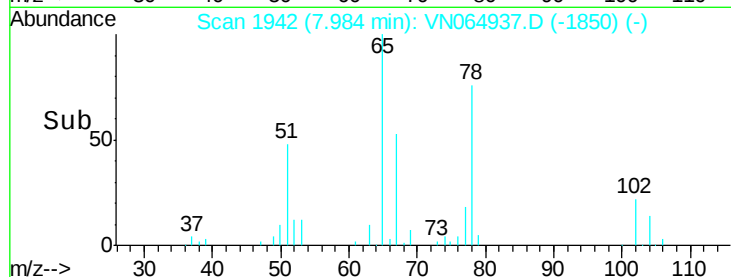
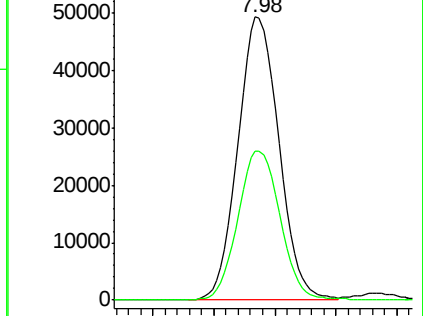
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Abundance Ion 64.90 (64.60 to 65.60): VN064937.D (-1850) (-)

Ion 66.90 (66.60 to 67.60): VN064937.D (-1850) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN064937.D

Acq: 7 Dec 2020 11:54

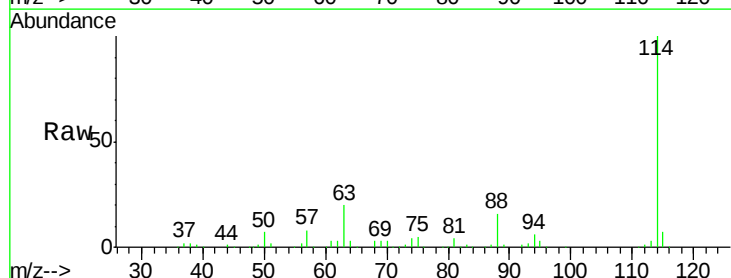
Tgt Ion: 114 Resp: 313151

Ion Ratio Lower Upper

114 100

63 19.9 0.0 38.6

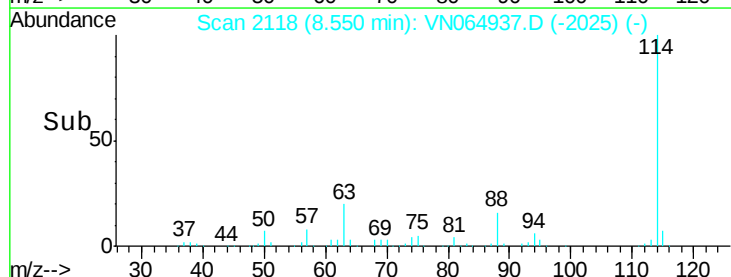
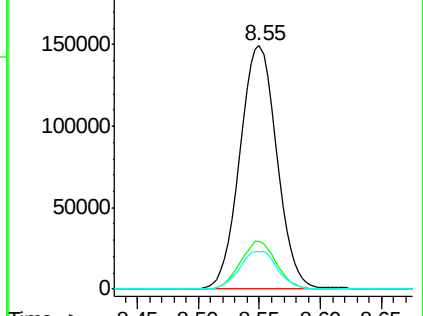
88 15.6 0.0 32.6

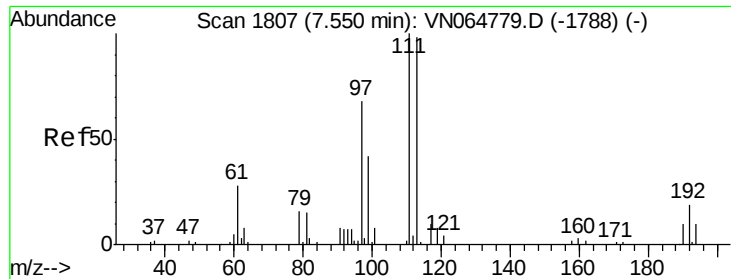


Abundance Ion 113.90 (113.60 to 114.60): VN064937.D (-2025) (-)

Ion 63.00 (62.70 to 63.70): VN064937.D (-2025) (-)

Ion 87.90 (87.60 to 88.60): VN064937.D (-2025) (-)





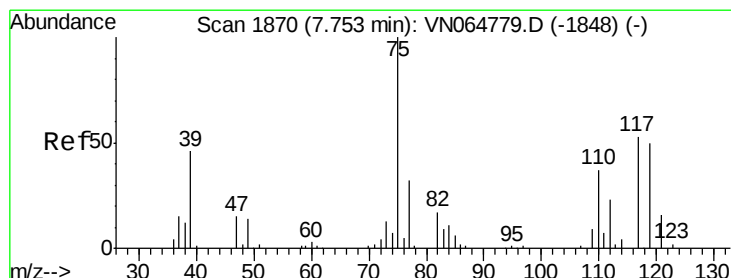
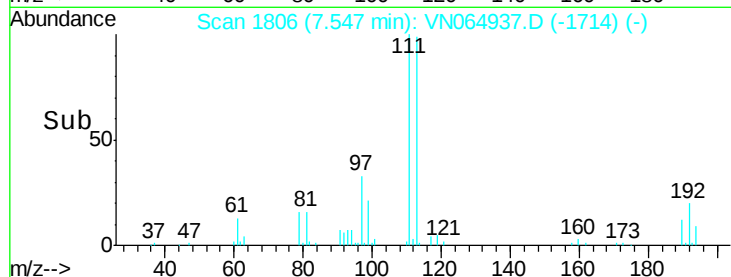
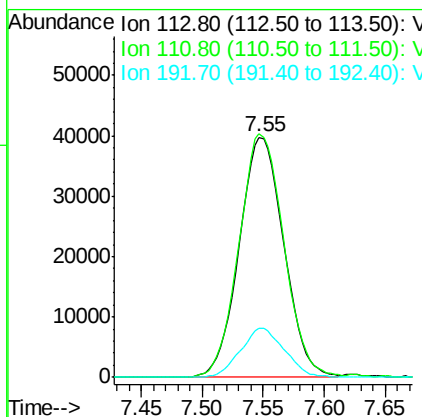
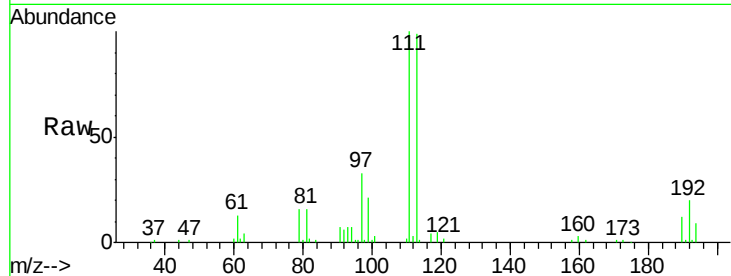
#35
Dibromofluoromethane
Concen: 53.689 ug/l
RT: 7.55 min Scan# 1806
Delta R.T. -0.00 min
Lab File: VN064937.D
Acq: 7 Dec 2020 11:54

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	100603		
111	101.8	81.6	122.4	
192	20.1	16.2	24.2	

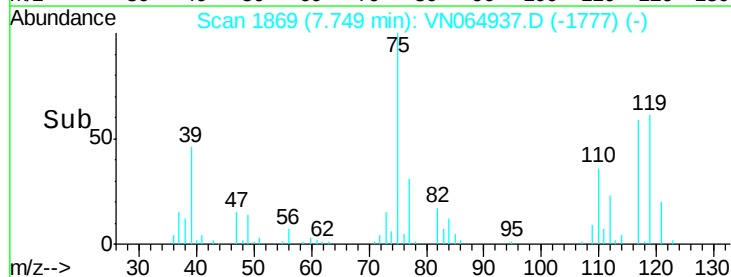
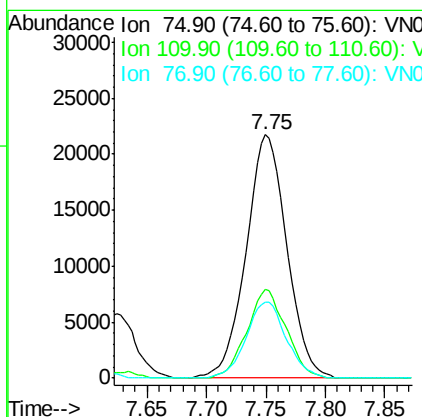
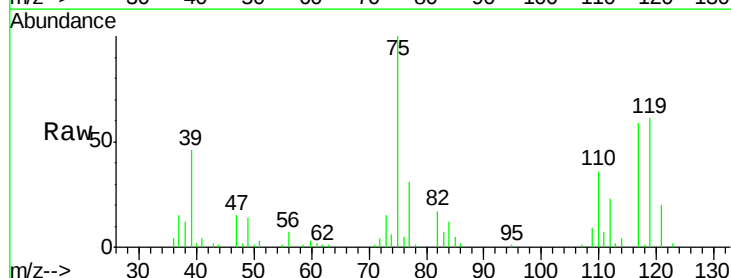
Manual Integrations
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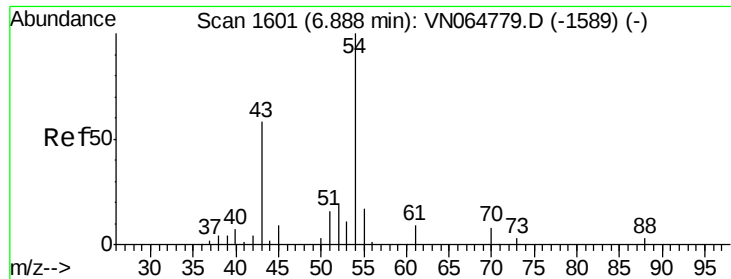
MMDadoda
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#36
1,1-Dichloropropene
Concen: 17.733 ug/l
RT: 7.75 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VN064937.D
Acq: 7 Dec 2020 11:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	51471		
110	35.0	17.8	53.3	
77	31.0	25.0	37.4	





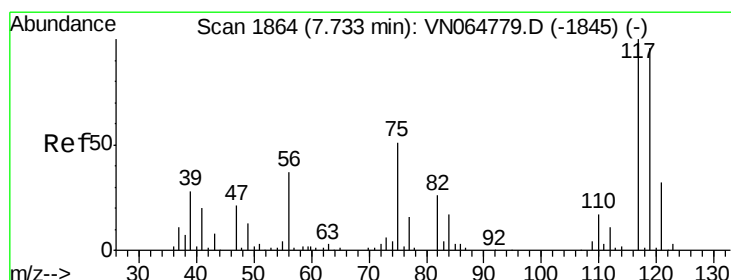
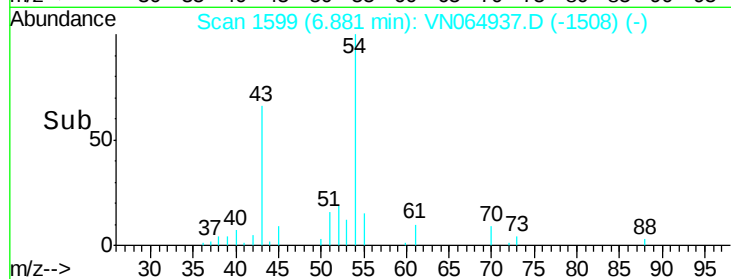
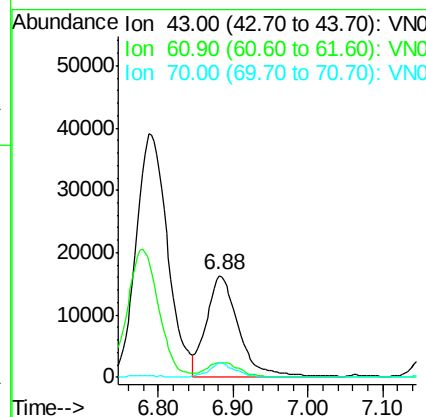
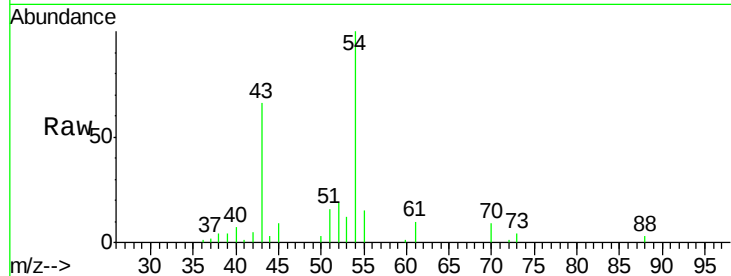
#37
Ethyl Acetate
Concen: 17.664 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VN064937.D
Acq: 7 Dec 2020 11:54

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBS01

Tot Ion	43	61	70
Ion Ratio	100	15.2	11.0
Lower		12.8	8.8
Upper		19.2	13.2

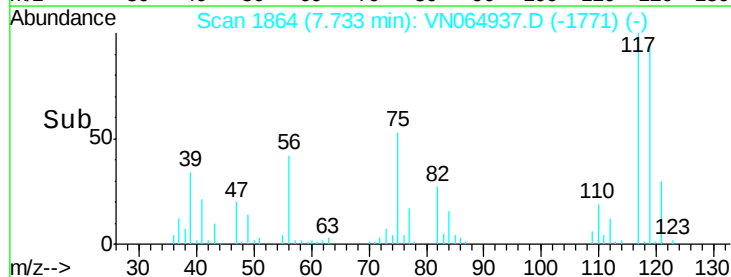
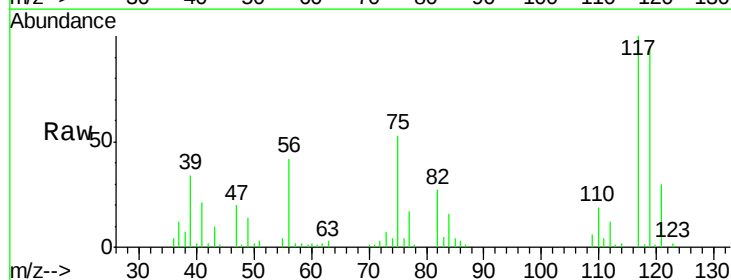
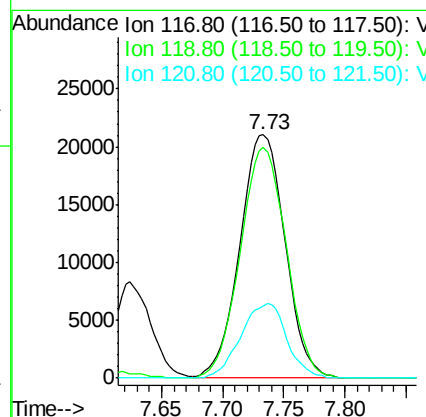
Manual Integrations
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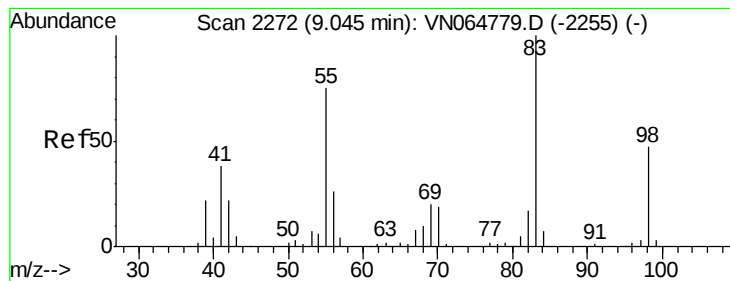
MMDadoda
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#38
Carbon Tetrachloride
Concen: 17.942 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN064937.D
Acq: 7 Dec 2020 11:54

Tgt Ion	117	119	121
Ion Ratio	100	94.9	29.5
Lower		76.7	25.4
Upper		115.1	38.2





#39

Methvlcvclohexane

Concen: 15.647 ug/l

RT: 9.05 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VN064937.D

Acq: 7 Dec 2020 11:54

Instrument :

MSVOA_N

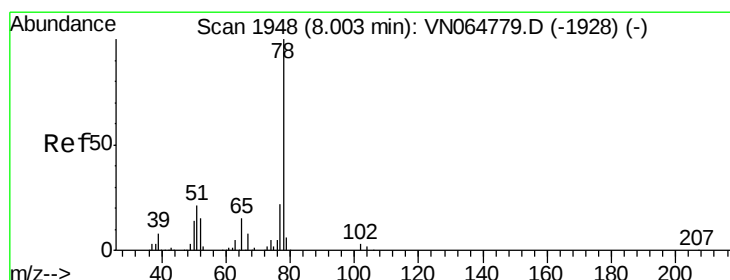
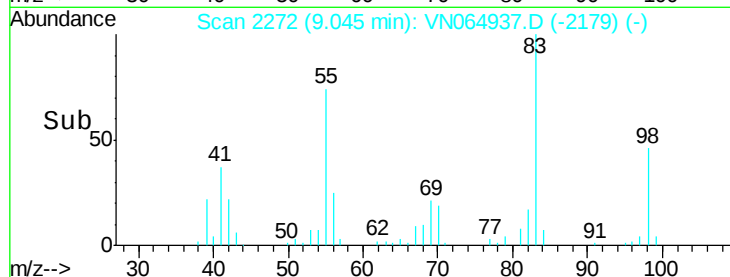
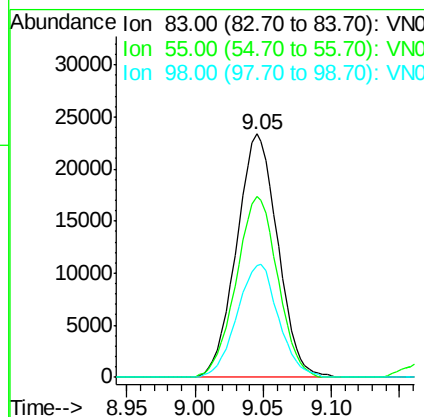
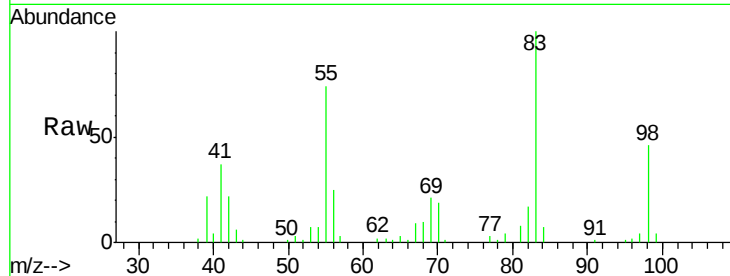
ClientSampleId :

VN1207WBS01

Tot Ion:	83.00	Resp:	48892
Ion Ratio	Lower	Upper	
83	100		
55	74.2	60.2	90.2
98	46.2	37.4	56.2

Manual Integrations
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#40

Benzene

Concen: 17.912 ug/l

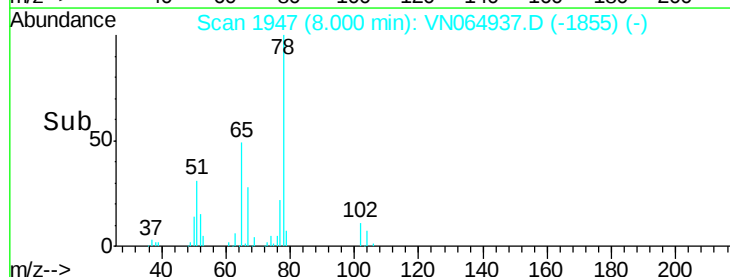
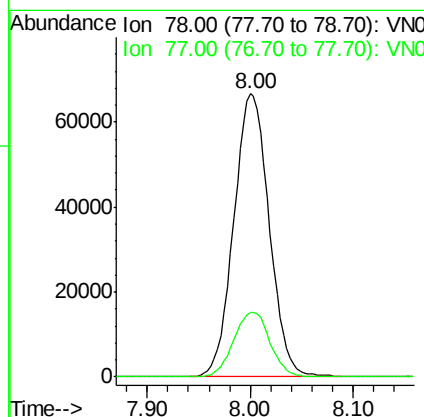
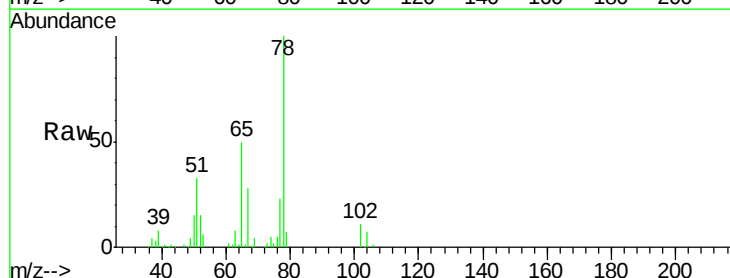
RT: 8.00 min Scan# 1947

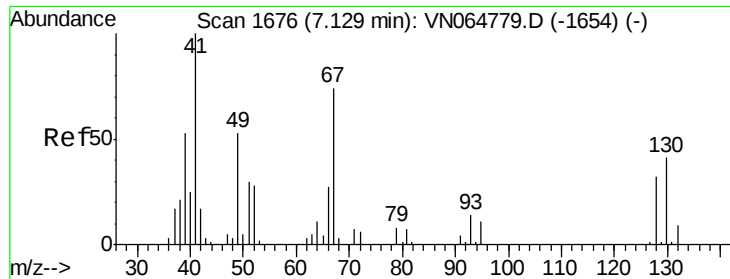
Delta R.T. -0.00 min

Lab File: VN064937.D

Acq: 7 Dec 2020 11:54

Tgt Ion:	78.00	Resp:	159317
Ion Ratio	Lower	Upper	
78	100		
77	22.8	17.9	26.9





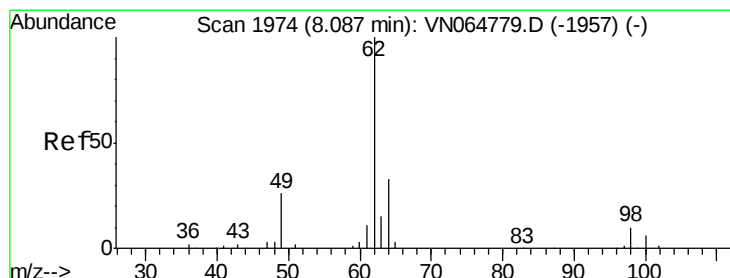
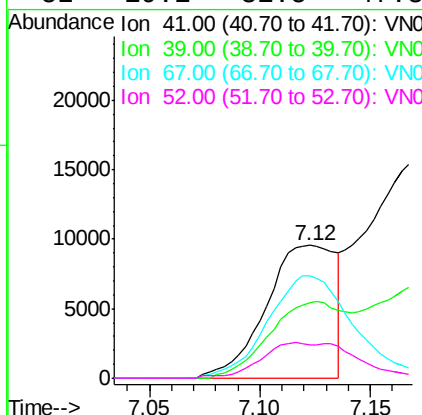
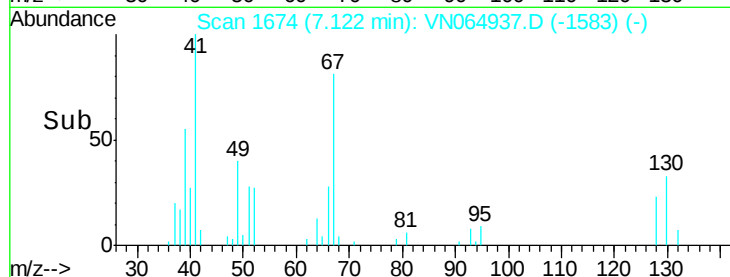
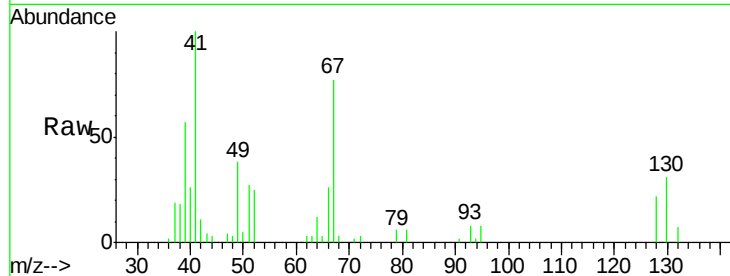
#41
Methacrylonitrile
Concen: 16.237 ug/l
RT: 7.12 min Scan# 1674
Delta R.T. -0.01 min
Lab File: VN064937.D
Acq: 7 Dec 2020 11:54

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		20948		
39	63.5	51.0	76.6		
67	94.7	79.8	119.8		
52	19.1	31.5	47.3#		

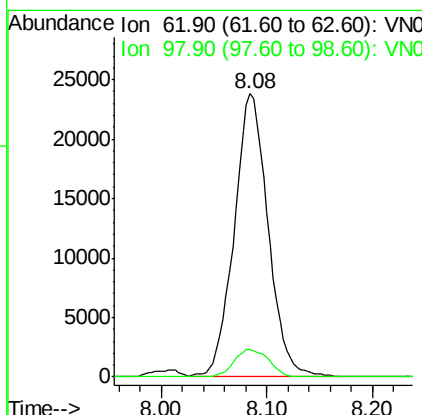
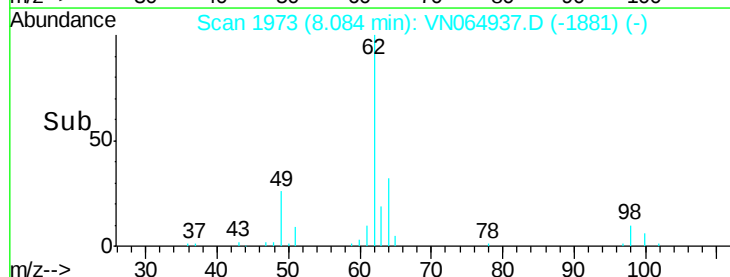
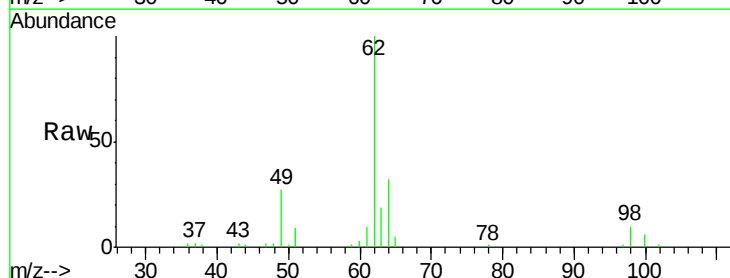
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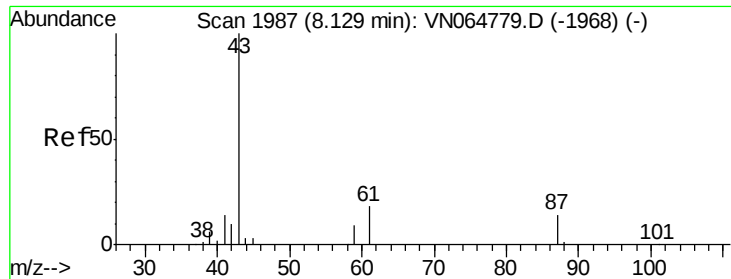
MMDadoda
12/8/2020 5:04:02 PM



#42
1,2-Dichloroethane
Concen: 17.732 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN064937.D
Acq: 7 Dec 2020 11:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		53206		
98	9.9	0.0	19.6		





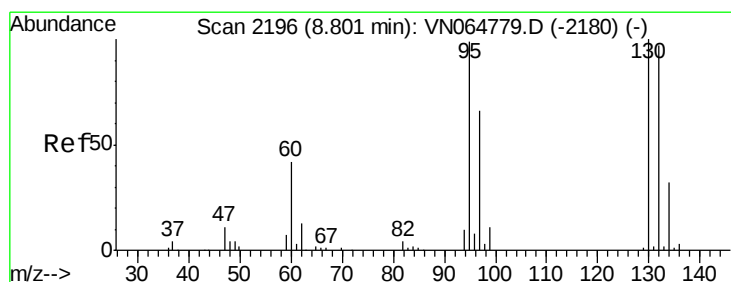
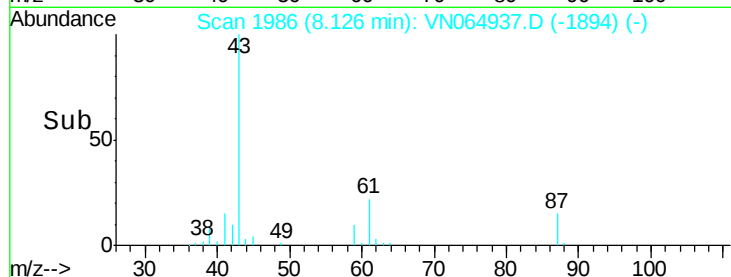
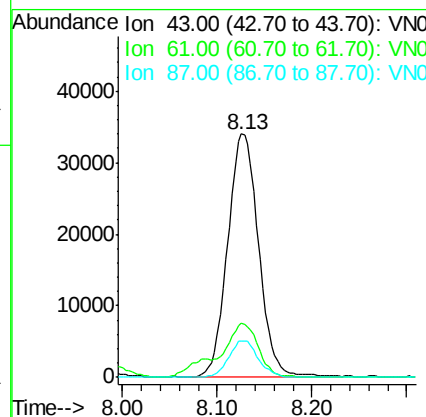
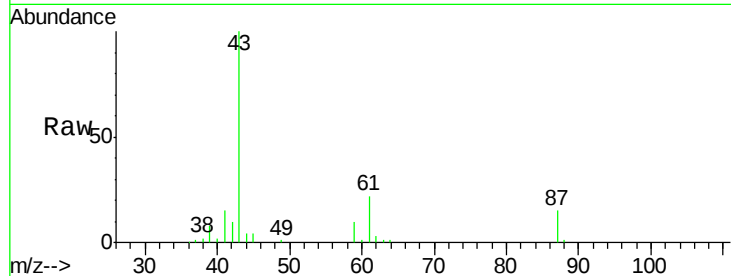
#43
Isopropyl Acetate
Concen: 17.213 ug/l
RT: 8.13 min Scan# 1986
Delta R.T. -0.00 min
Lab File: VN064937.D
Acq: 7 Dec 2020 11:54

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.3	17.2	25.8
87	14.1	11.4	17.0

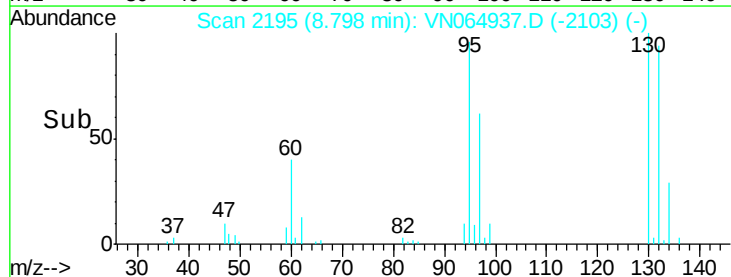
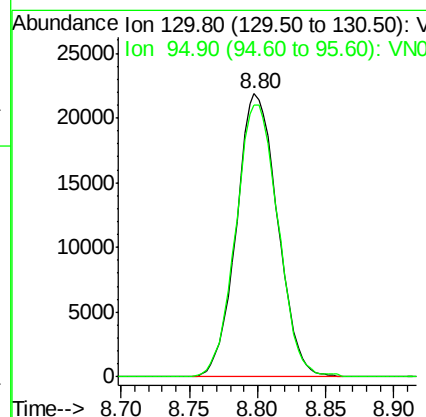
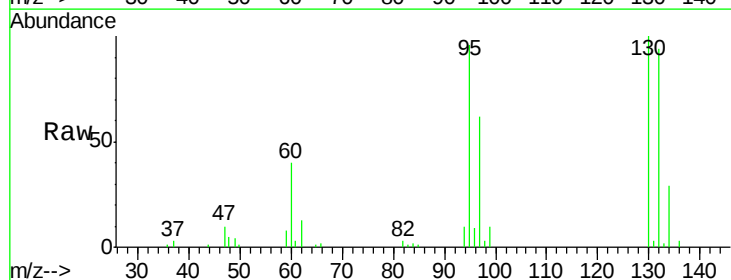
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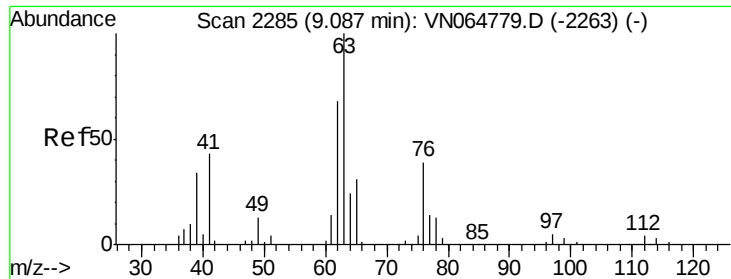
MMDadoda
12/8/2020 5:04:02 PM



#44
Trichloroethene
Concen: 17.444 ug/l
RT: 8.80 min Scan# 2195
Delta R.T. -0.00 min
Lab File: VN064937.D
Acq: 7 Dec 2020 11:54

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.2	0.0	197.8





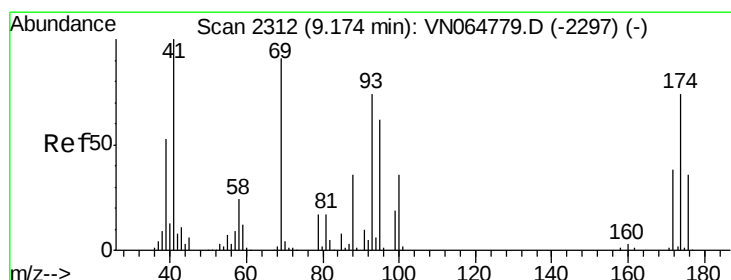
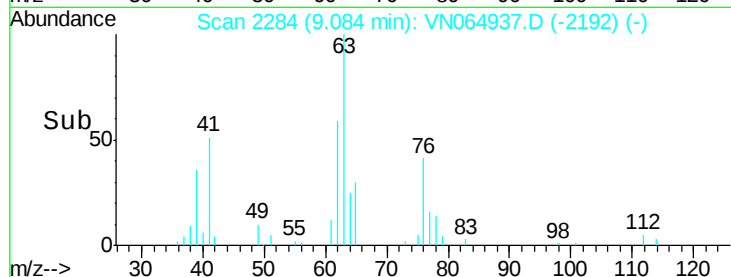
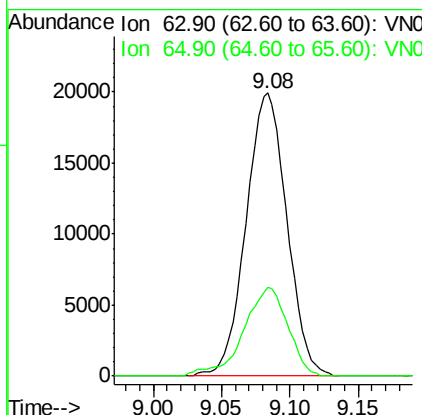
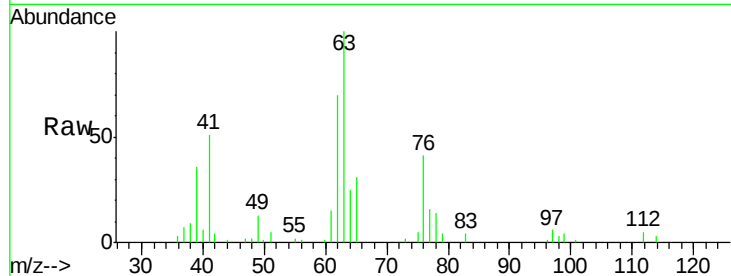
#45
 1,2-Dichloropropane
 Concen: 17.989 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN064937.D
 Acq: 7 Dec 2020 11:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBS01

Tot Ion: 63 Resp: 41436
 Ion Ratio Lower Upper
 63 100
 65 31.4 25.0 37.4

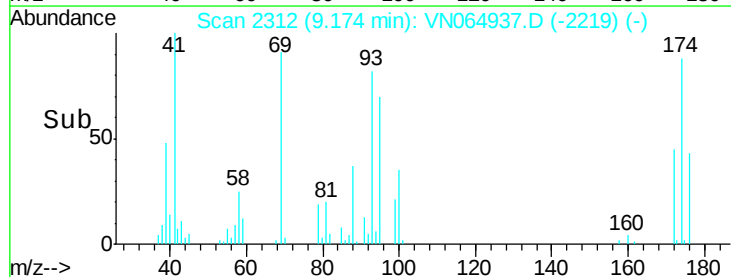
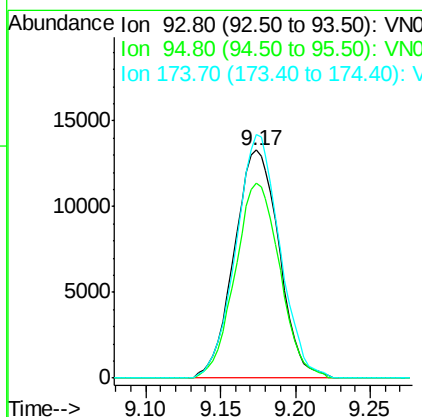
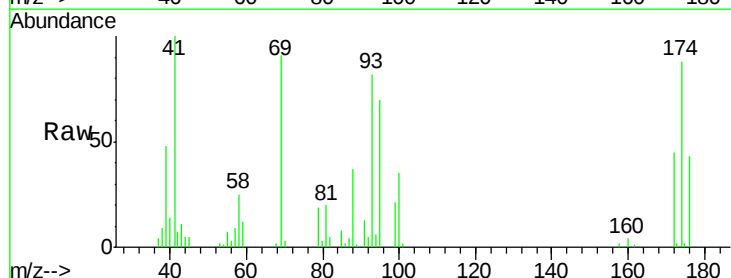
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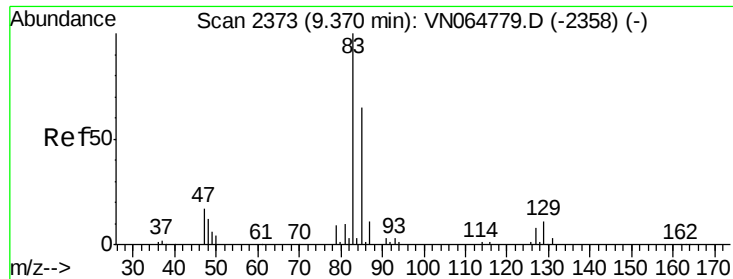
MMDadoda
 12/8/2020 5:04:02 PM



#46
 Dibromomethane
 Concen: 18.057 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN064937.D
 Acq: 7 Dec 2020 11:54

Tgt Ion: 93 Resp: 27786
 Ion Ratio Lower Upper
 93 100
 95 85.1 68.8 103.2
 174 104.2 83.1 124.7





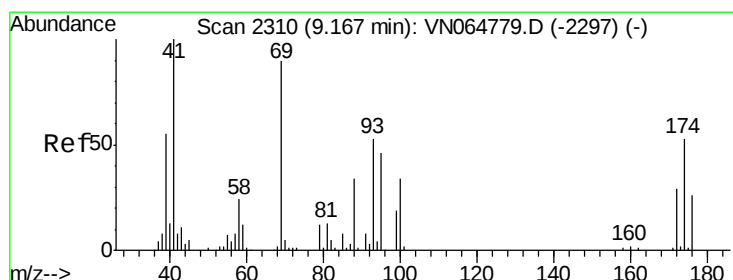
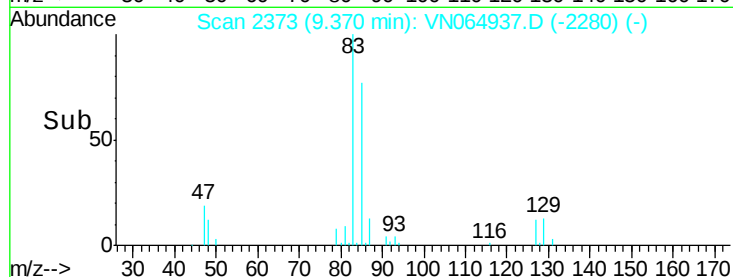
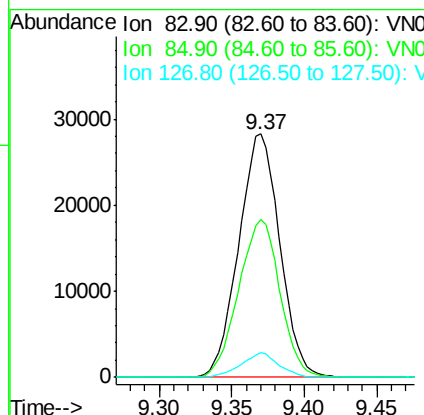
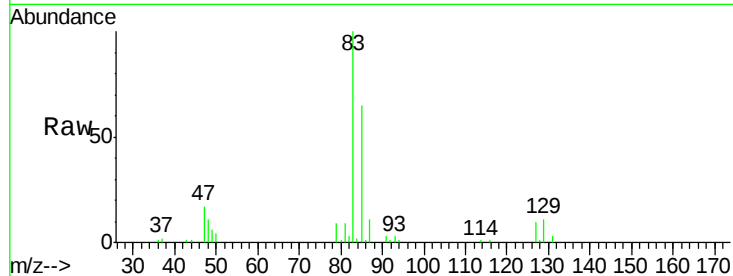
#47
Bromodichloromethane
Concen: 17.967 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN064937.D
Acq: 7 Dec 2020 11:54

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.8	77.8
127	10.0	6.8	10.2

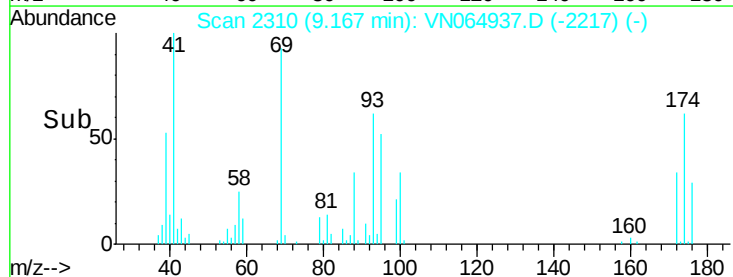
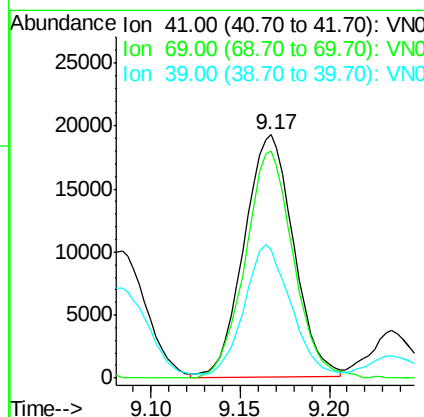
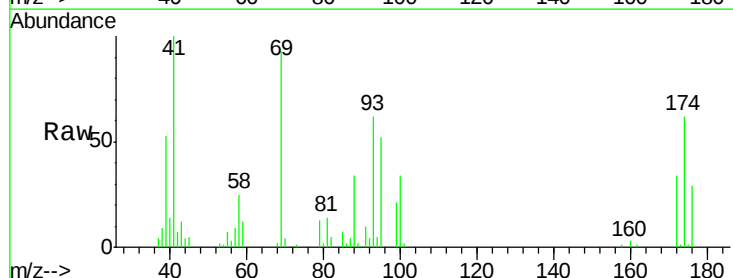
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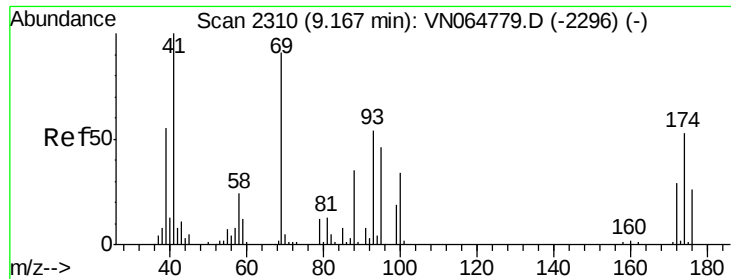
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#48
Methyl methacrylate
Concen: 17.324 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN064937.D
Acq: 7 Dec 2020 11:54

Tgt Ion	Ratio	Lower	Upper
41	100		
69	91.0	71.8	107.8
39	53.2	44.1	66.1





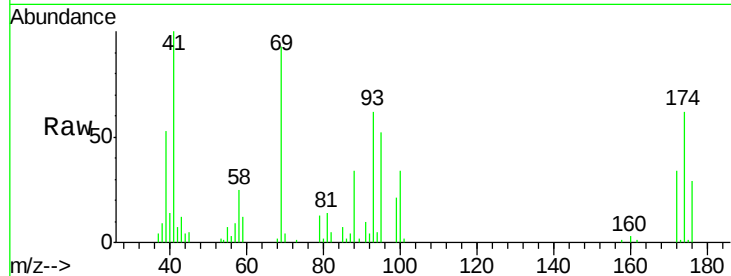
#49
1,4-Dioxane
Concen: 331.930 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN064937.D
Acq: 7 Dec 2020 11:54

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBS01

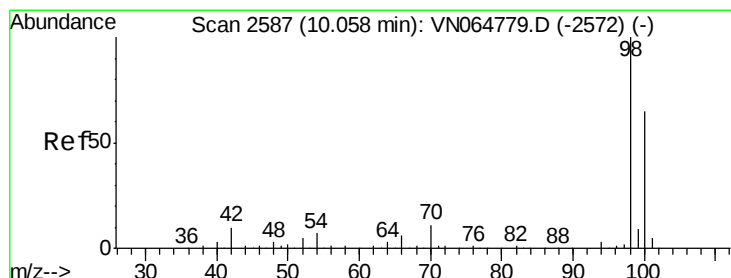
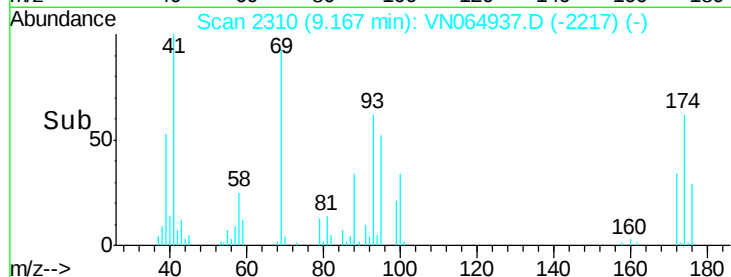
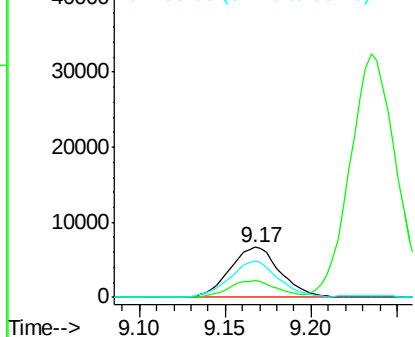
Tot Ion	88	Resp	13487
Ion	Ratio	Lower	Upper
88	100		
43	31.2	24.2	36.4
58	70.2	52.5	78.7

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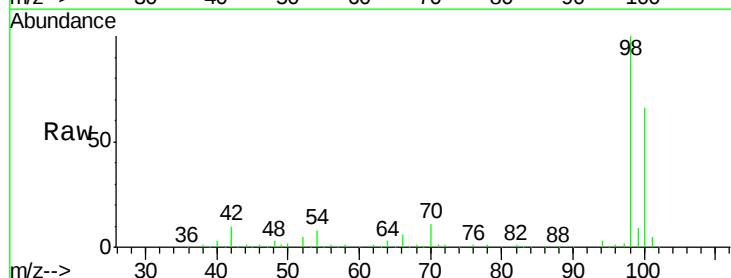


Abundance Ion 88.00 (87.70 to 88.70): VN064937.D (-2217) (-)
Ion 43.00 (42.70 to 43.70): VN064937.D (-2217) (-)
Ion 58.00 (57.70 to 58.70): VN064937.D (-2217) (-)

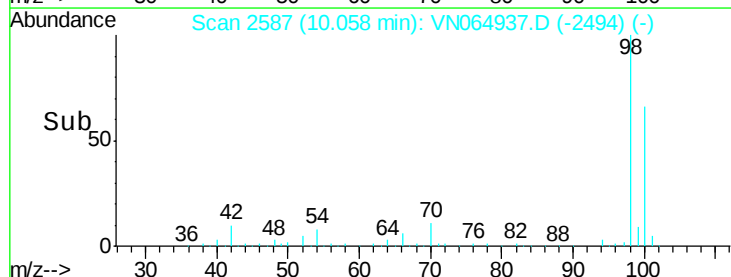
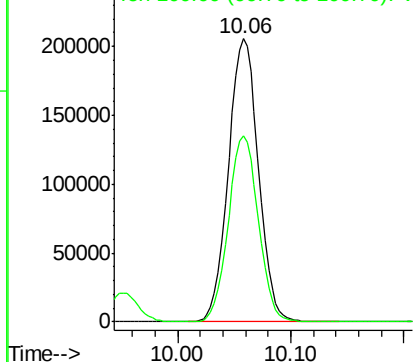


#50
Toluene-d8
Concen: 49.706 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN064937.D
Acq: 7 Dec 2020 11:54

Tgt Ion	98	Resp	380556
Ion	Ratio	Lower	Upper
98	100		
100	65.4	51.7	77.5



Abundance Ion 98.00 (97.70 to 98.70): VN064937.D (-2494) (-)
Ion 100.00 (99.70 to 100.70): VN064937.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 87.333 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN064937.D

Acq: 7 Dec 2020 11:54

Instrument :

MSVOA_N

ClientSampleId :

VN1207WBS01

Tot Ion: 43 Resp: 235888

Ion Ratio Lower Upper

43 100

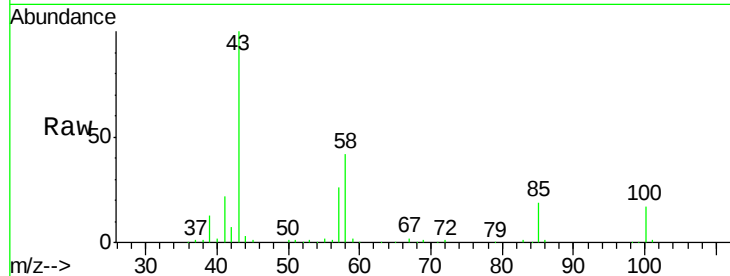
58 40.4 32.4 48.6

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.95

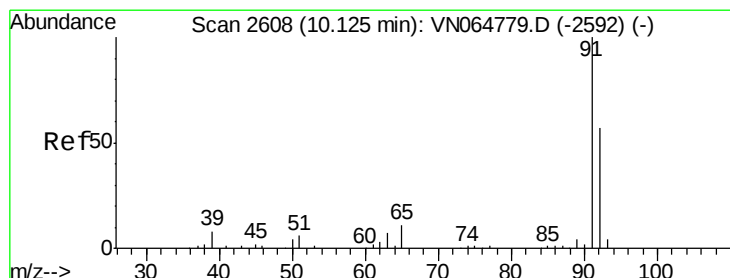
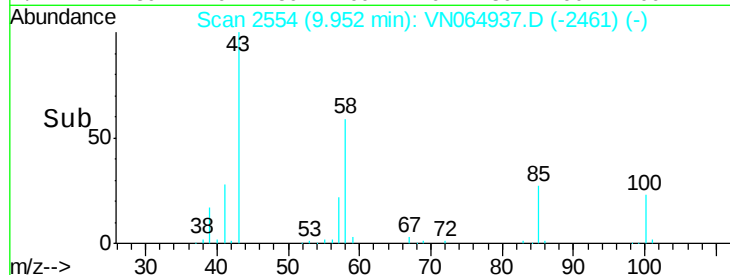
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 18.134 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064937.D

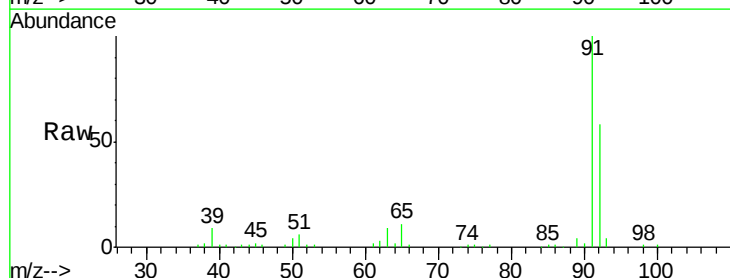
Acq: 7 Dec 2020 11:54

Tgt Ion: 92 Resp: 99333

Ion Ratio Lower Upper

92 100

91 170.1 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.12

100000

80000

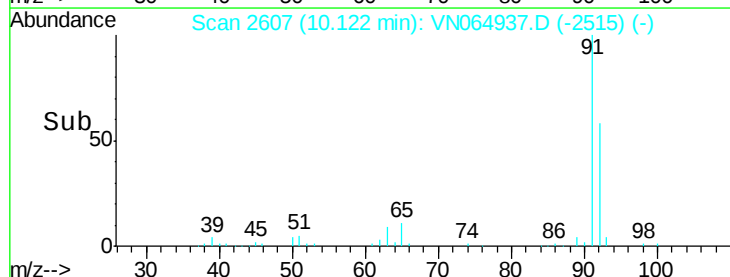
60000

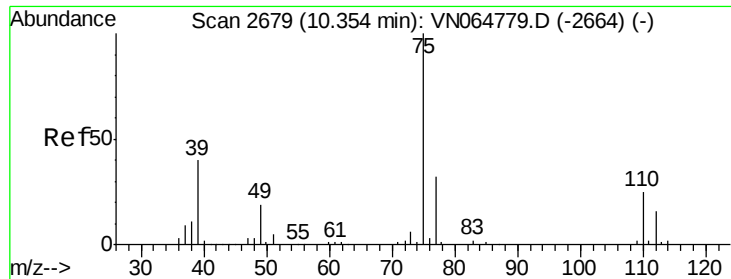
40000

20000

0

Time-->





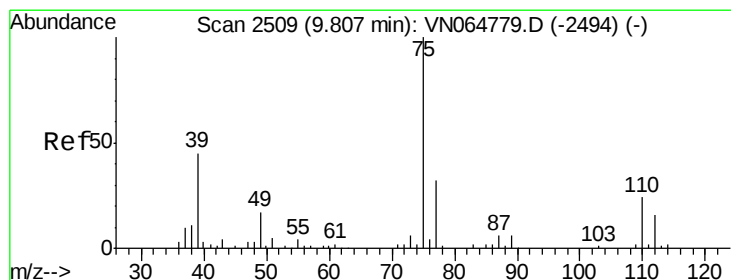
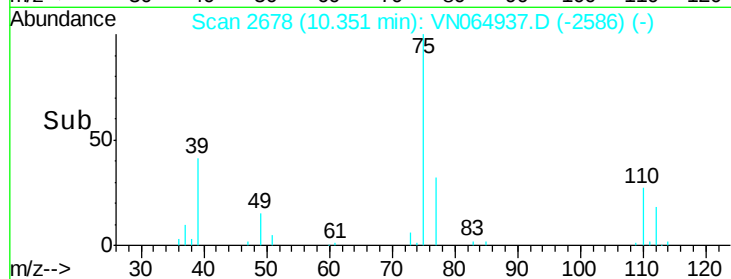
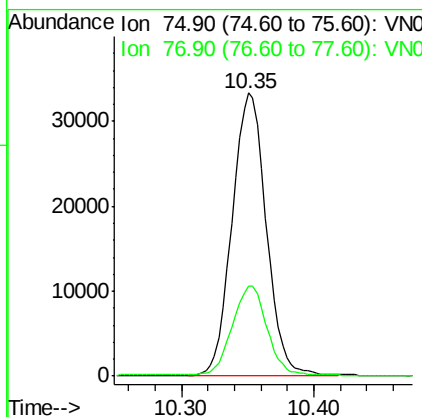
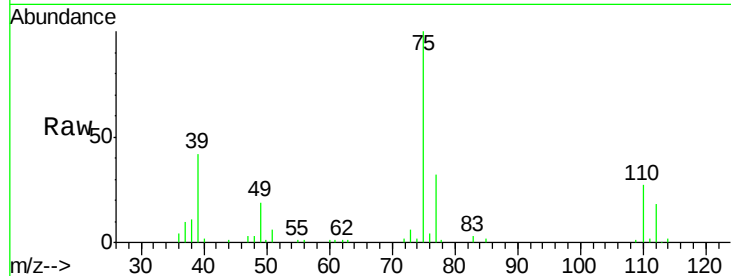
#53
t-1,3-Dichloropropene
Concen: 17.341 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN064937.D
Acq: 7 Dec 2020 11:54

Instrument :
MSVOA_N
ClientSampled :
VN1207WBS01

Tot Ion: 75 Resp: 59802
Ion Ratio Lower Upper
75 100
77 31.5 25.8 38.6

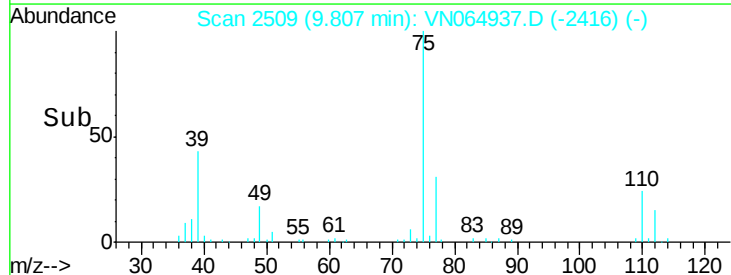
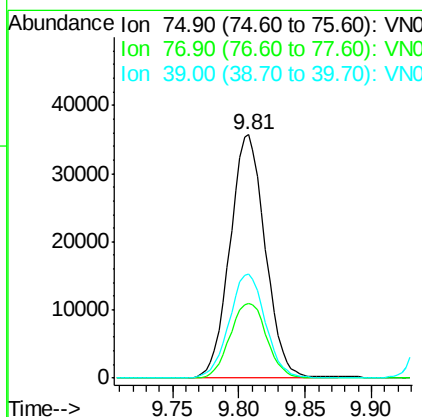
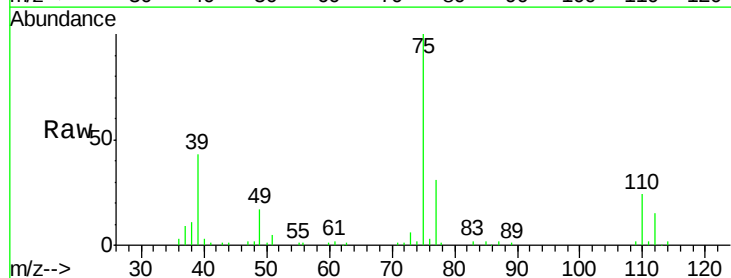
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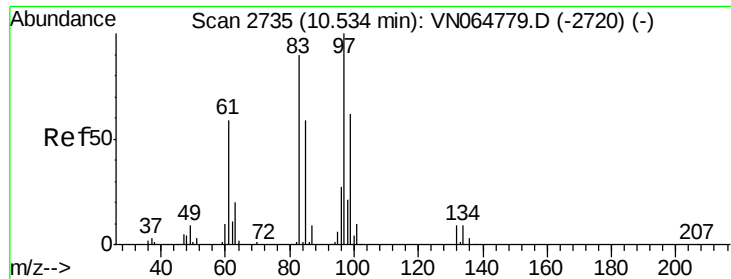
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 17.918 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN064937.D
Acq: 7 Dec 2020 11:54

Tgt Ion: 75 Resp: 66234
Ion Ratio Lower Upper
75 100
77 30.7 25.5 38.3
39 42.8 35.6 53.4





#55

1,1,2-Trichloroethane

Concen: 18.231 ug/l

RT: 10.53 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VN064937.D

Acq: 7 Dec 2020 11:54

Instrument :

MSVOA_N

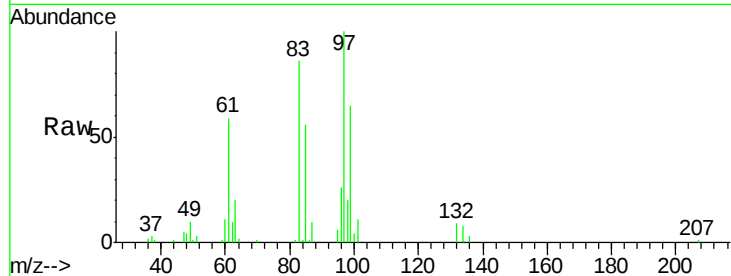
ClientSampleId :

VN1207WBS01

Tot Ion:	97	Resp:	41064
Ion	Ratio	Lower	Upper
97	100		
83	86.3	72.1	108.1
85	56.0	46.8	70.2
99	64.7	49.6	74.4

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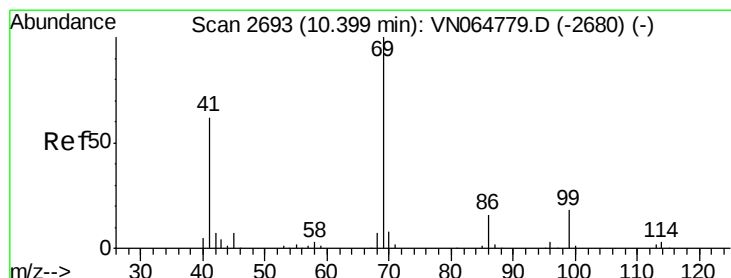
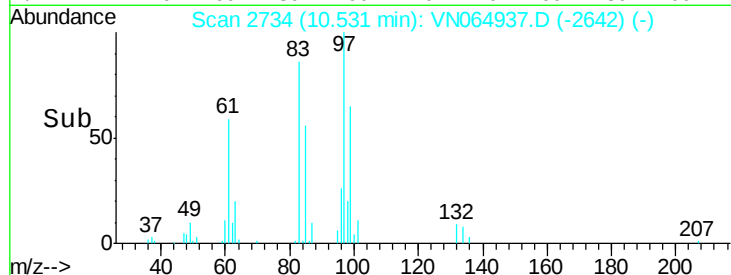
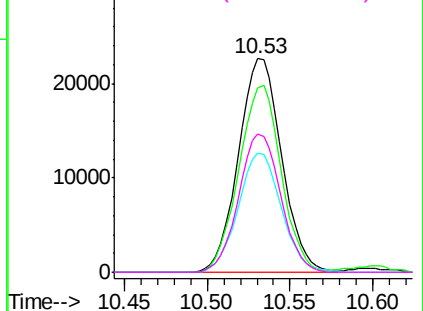


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 17.446 ug/l

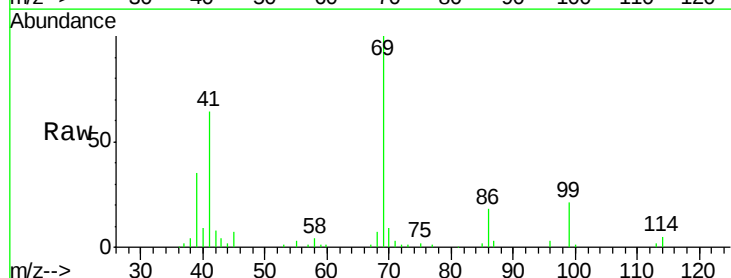
RT: 10.40 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN064937.D

Acq: 7 Dec 2020 11:54

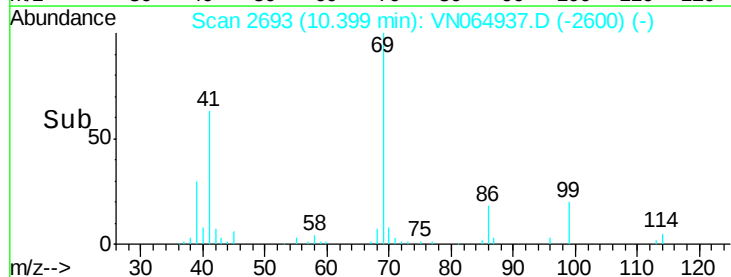
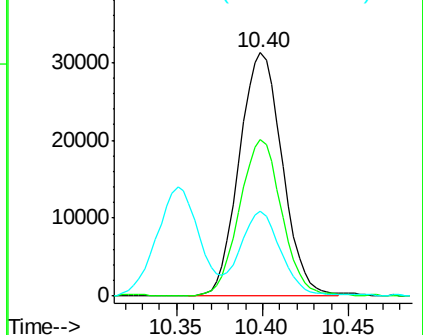
Tgt Ion:	69	Resp:	54229
Ion	Ratio	Lower	Upper
69	100		
41	63.4	49.4	74.0
39	32.0	25.9	38.9

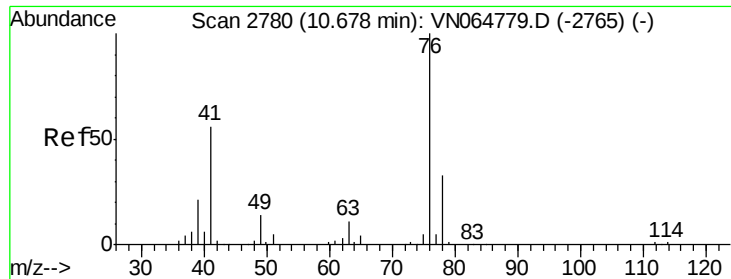


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





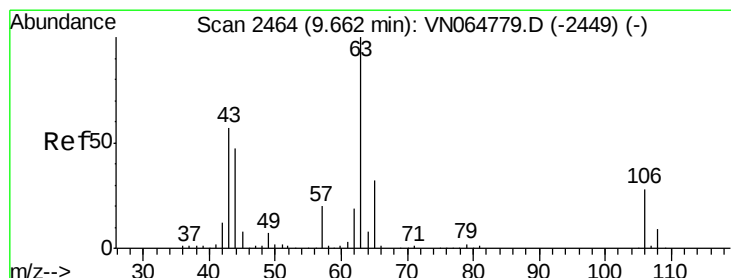
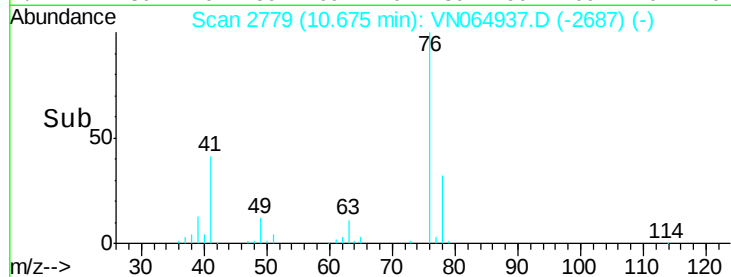
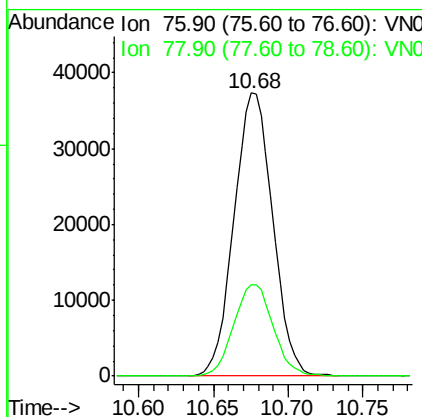
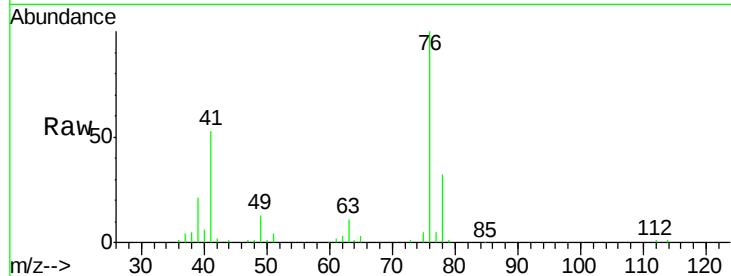
#57
 1,3-Dichloropropane
 Concen: 18.096 ug/l
 RT: 10.68 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN064937.D
 Acq: 7 Dec 2020 11:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBS01

Tot Ion: 76 Resp: 67239
 Ion Ratio Lower Upper
 76 100
 78 32.9 26.1 39.1

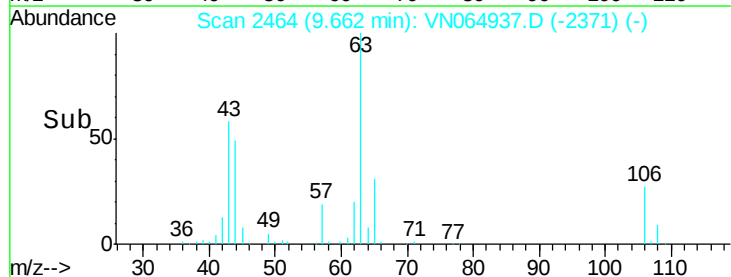
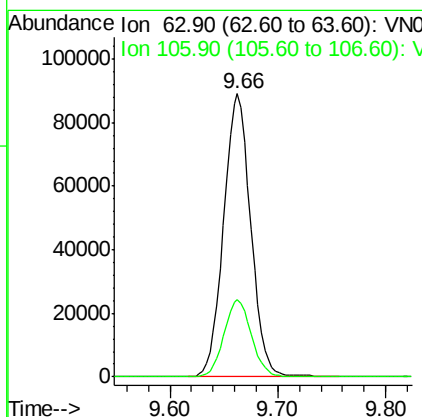
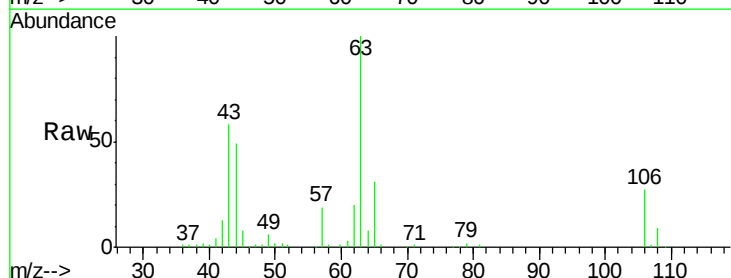
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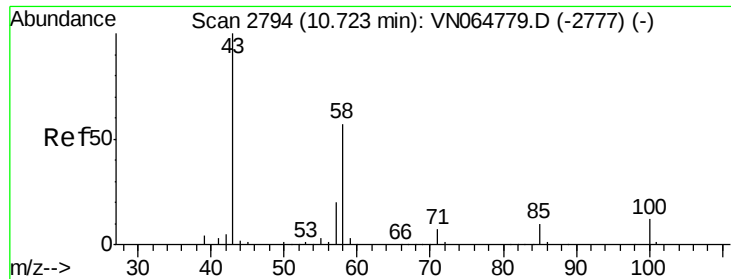
MMDadoda
 12/8/2020 5:04:02 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 91.062 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN064937.D
 Acq: 7 Dec 2020 11:54

Tgt Ion: 63 Resp: 155697
 Ion Ratio Lower Upper
 63 100
 106 27.7 22.7 34.1





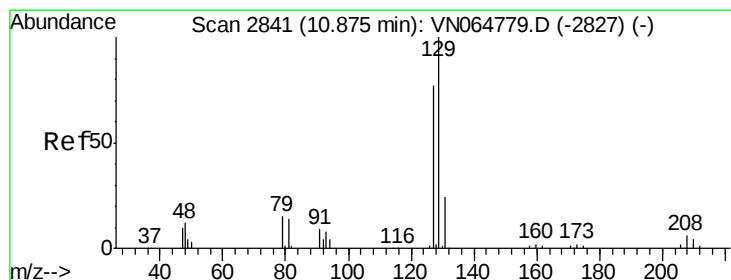
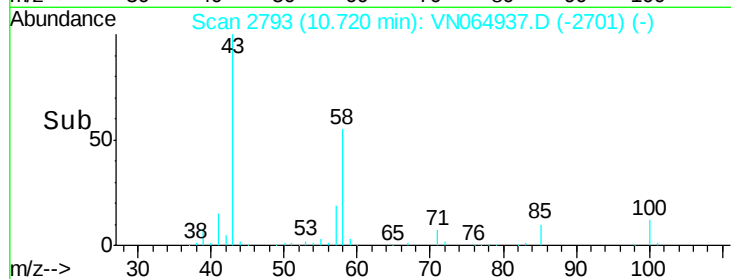
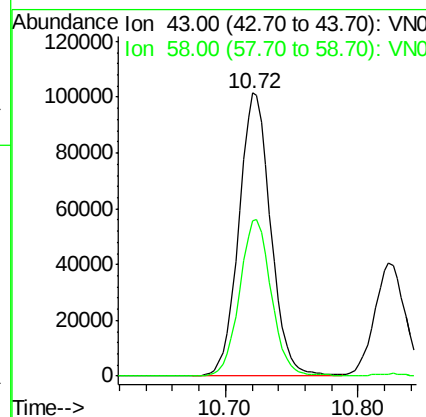
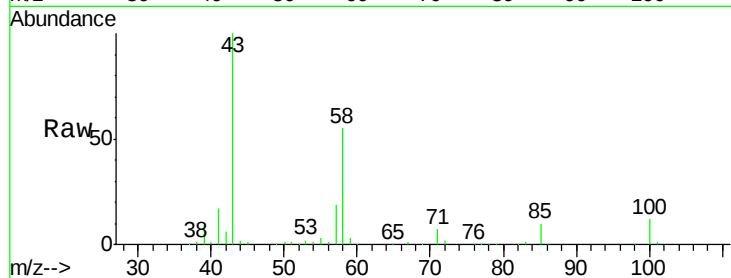
#59
2-Hexanone
Concen: 87.264 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN064937.D
Acq: 7 Dec 2020 11:54

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBS01

Tot Ion: 43 Resp: 169631
Ion Ratio Lower Upper
43 100
58 55.1 28.3 84.9

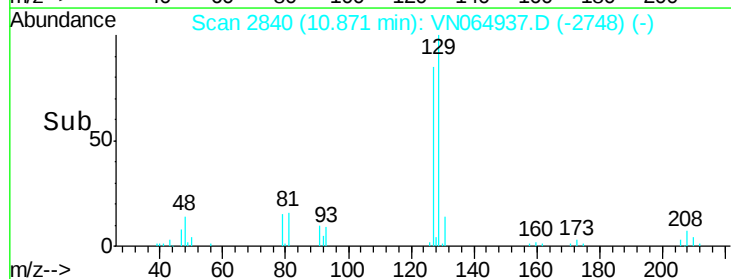
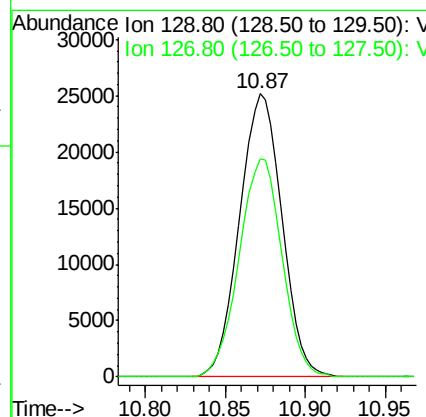
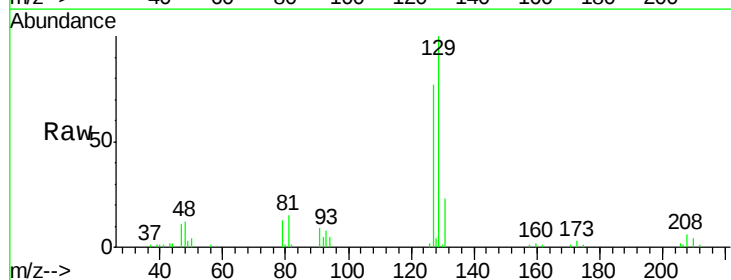
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#60
Dibromochloromethane
Concen: 18.193 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064937.D
Acq: 7 Dec 2020 11:54

Tgt Ion: 129 Resp: 45551
Ion Ratio Lower Upper
129 100
127 77.7 39.1 117.2





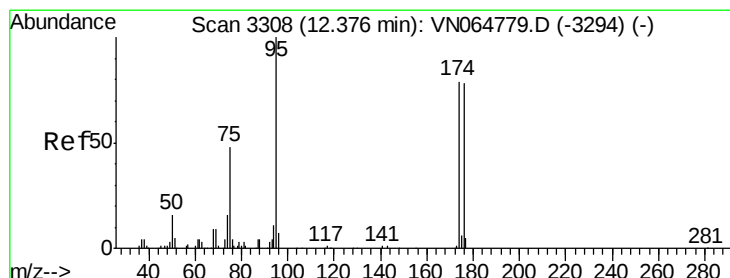
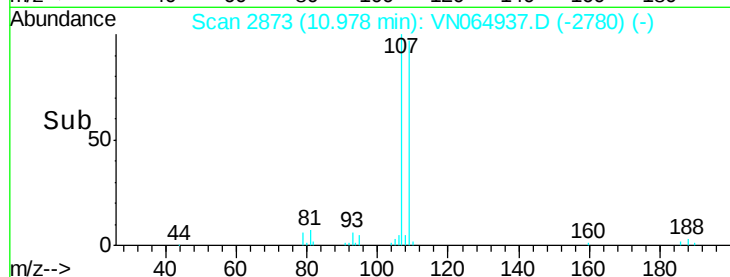
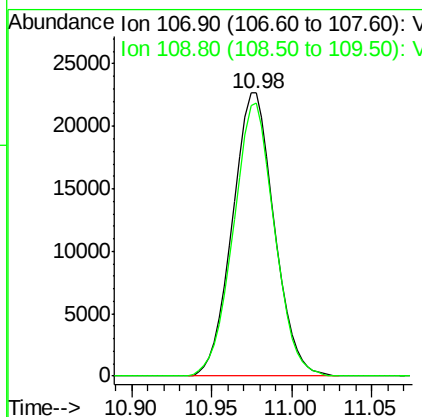
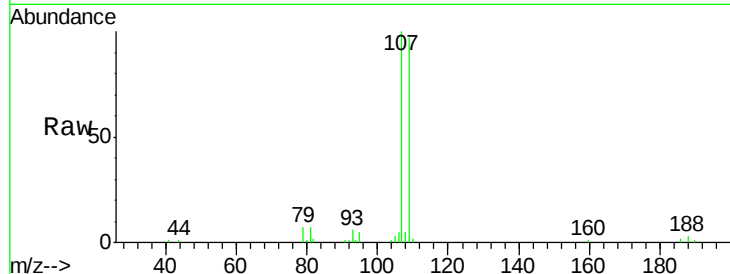
#61
 1,2-Dibromoethane
 Concen: 17.635 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN064937.D
 Acq: 7 Dec 2020 11:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.7	76.0	114.0

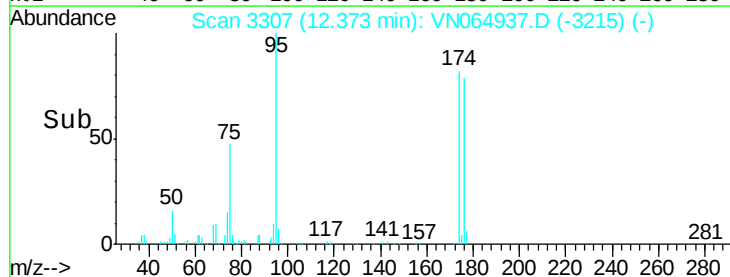
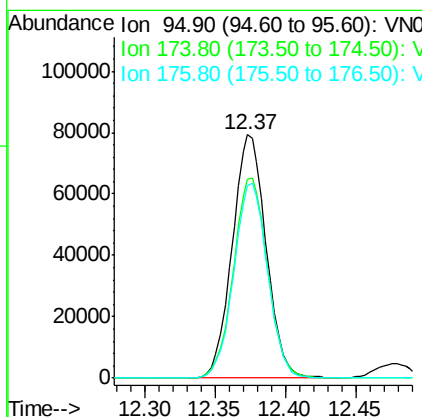
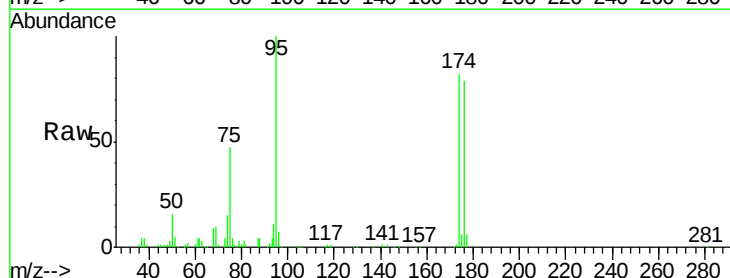
Manual Integrations
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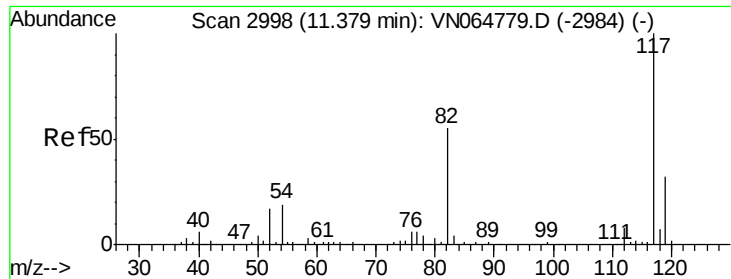
MMDadoda
 12/8/2020 5:04:02 PM



#62
 4-Bromofluorobenzene
 Concen: 48.668 ug/l
 RT: 12.37 min Scan# 3307
 Delta R.T. -0.00 min
 Lab File: VN064937.D
 Acq: 7 Dec 2020 11:54

Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.0	0.0	160.4
176	79.8	0.0	158.4





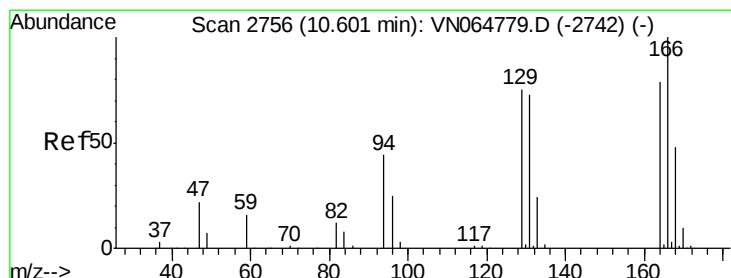
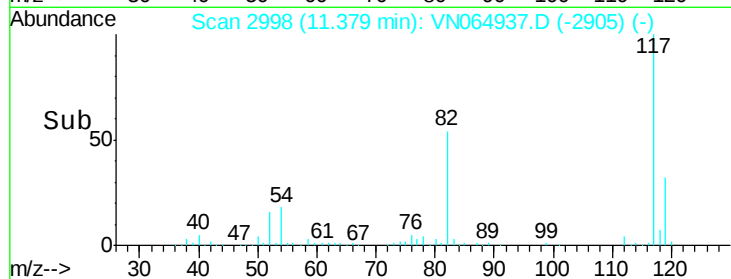
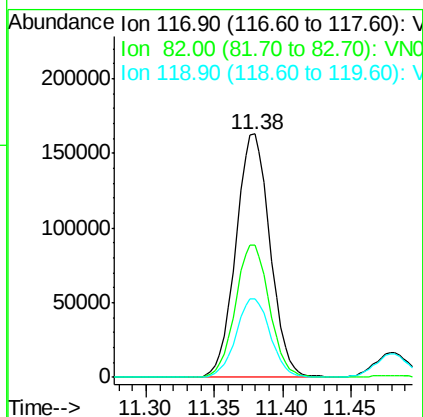
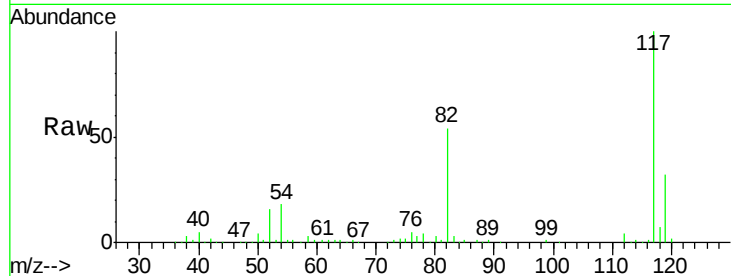
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064937.D
Acq: 7 Dec 2020 11:54

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.1	44.2	66.2
119	32.4	25.8	38.6

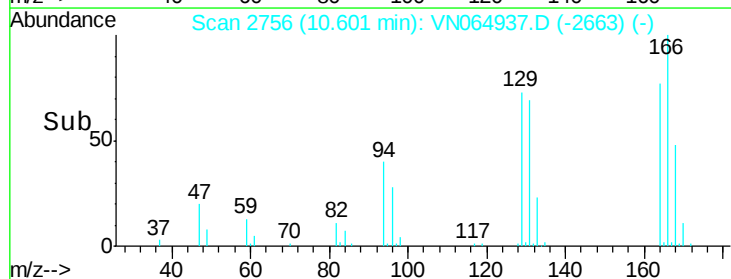
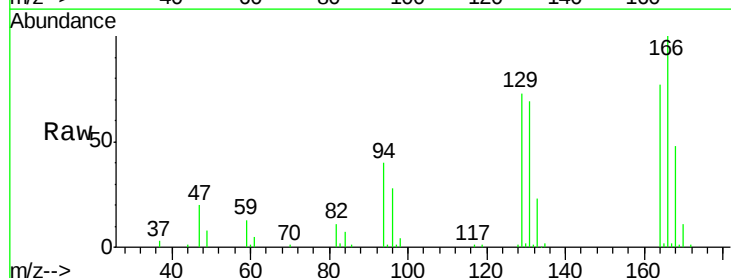
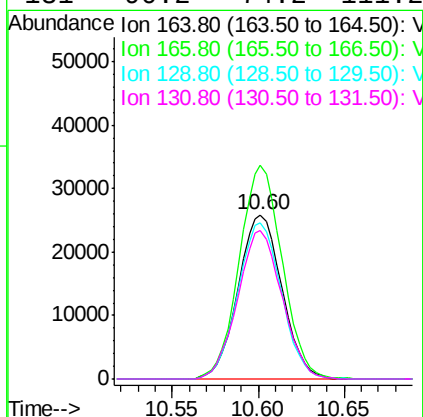
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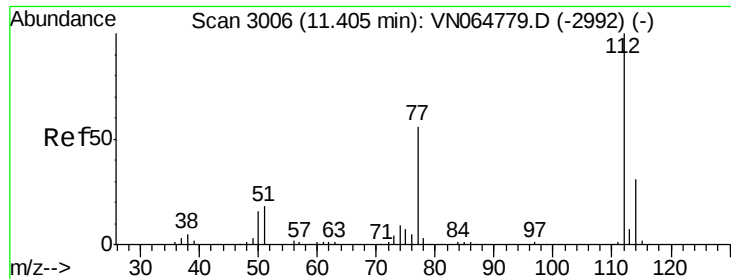
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#64
Tetrachloroethene
Concen: 16.577 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064937.D
Acq: 7 Dec 2020 11:54

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.3	101.4	152.0
129	95.2	76.1	114.1
131	90.2	74.2	111.2





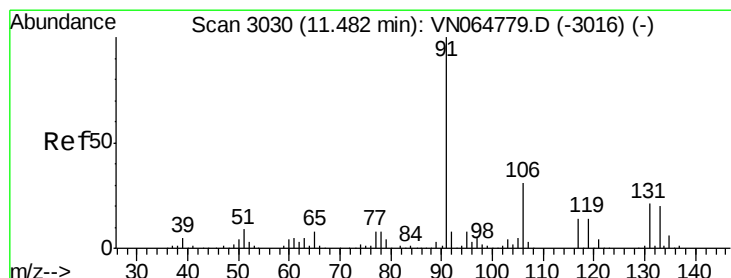
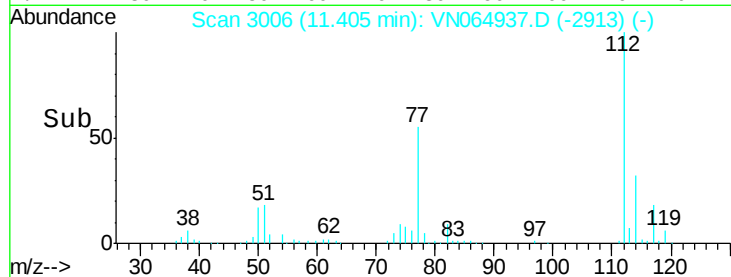
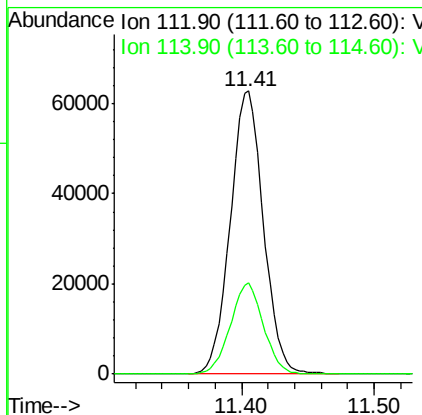
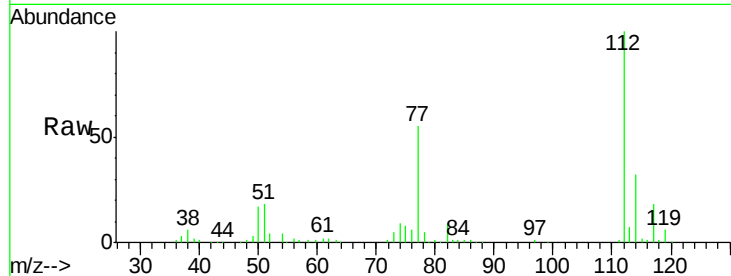
#65
Chlorobenzene
Concen: 17.844 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN064937.D
Acq: 7 Dec 2020 11:54

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBS01

Tot Ion:112 Resp: 108774
Ion Ratio Lower Upper
112 100
114 32.1 25.1 37.7

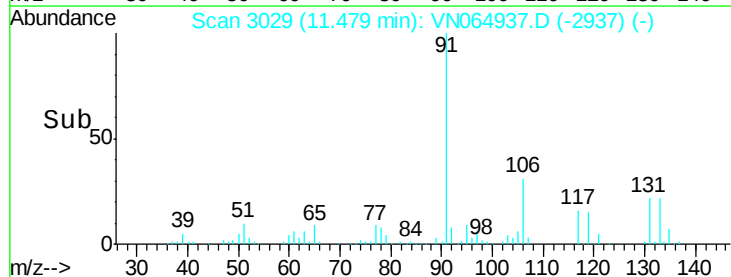
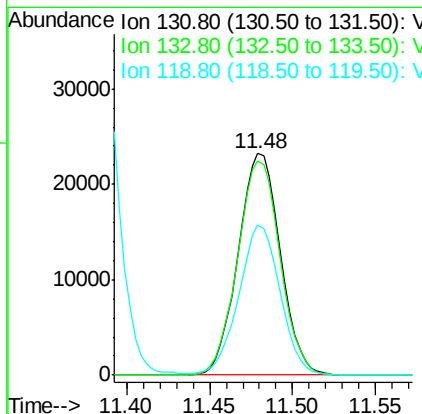
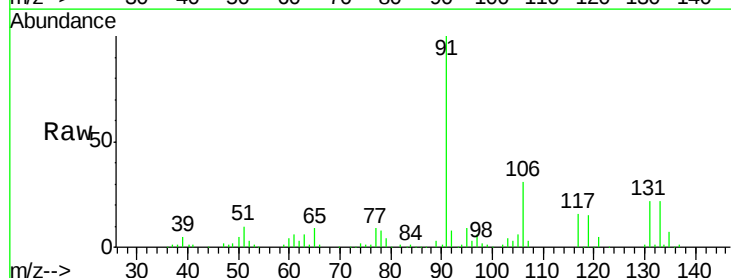
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.358 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN064937.D
Acq: 7 Dec 2020 11:54

Tgt Ion:131 Resp: 41125
Ion Ratio Lower Upper
131 100
133 97.6 47.5 142.5
119 66.4 33.3 99.8





#67

Ethyl Benzene

Concen: 17.826 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. 0.00 min

Lab File: VN064937.D

Acq: 7 Dec 2020 11:54

Instrument :

MSVOA_N

ClientSampled :

VN1207WBS01

Tot Ion: 91 Resp: 181529

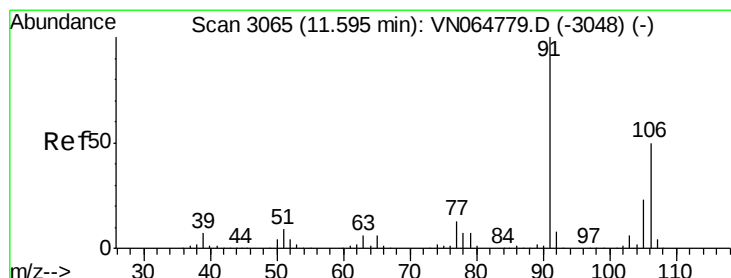
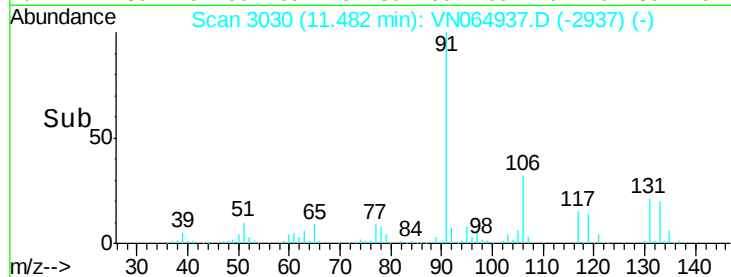
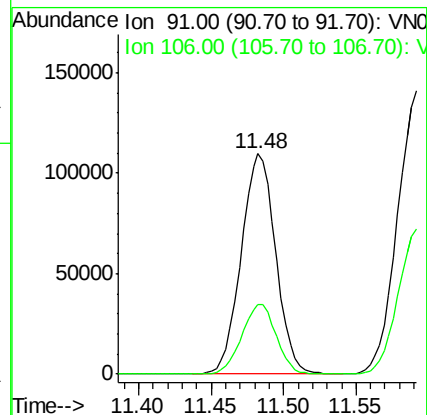
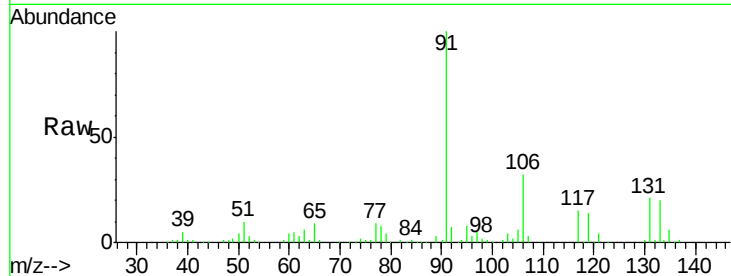
Ion Ratio Lower Upper

91 100

106 31.9 25.2 37.8

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#68

m/p-Xylenes

Concen: 36.541 ug/l

RT: 11.59 min Scan# 3065

Delta R.T. 0.00 min

Lab File: VN064937.D

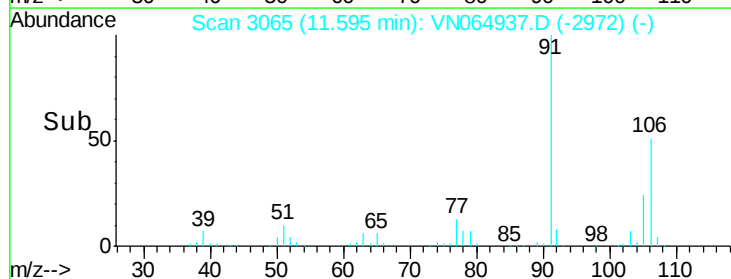
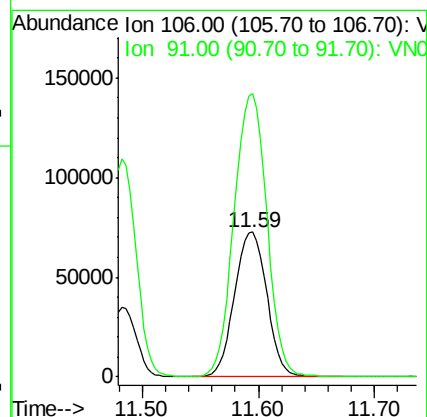
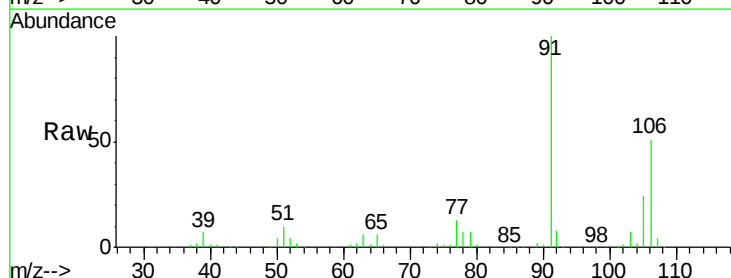
Acq: 7 Dec 2020 11:54

Tgt Ion: 106 Resp: 140884

Ion Ratio Lower Upper

106 100

91 197.3 161.0 241.4





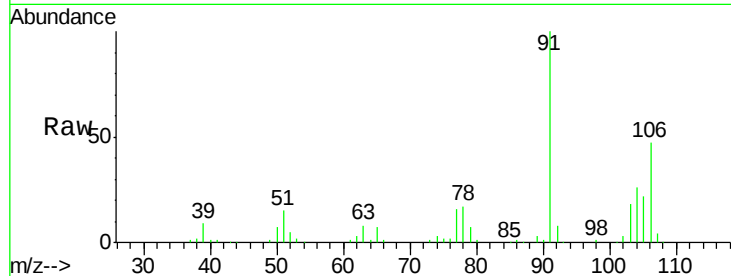
#69
o-Xylene
Concen: 18.069 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN064937.D
Acq: 7 Dec 2020 11:54

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBS01

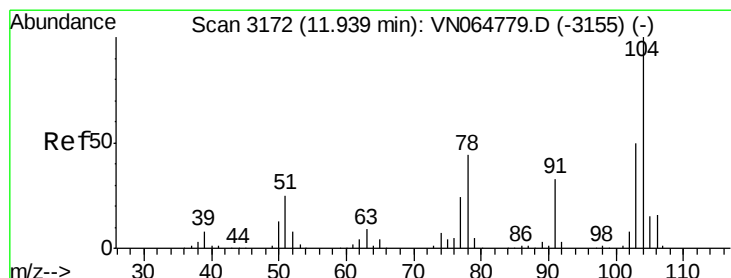
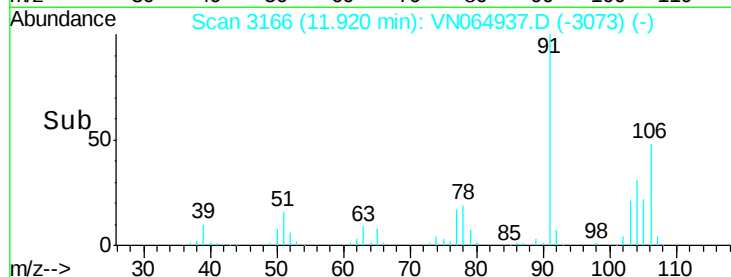
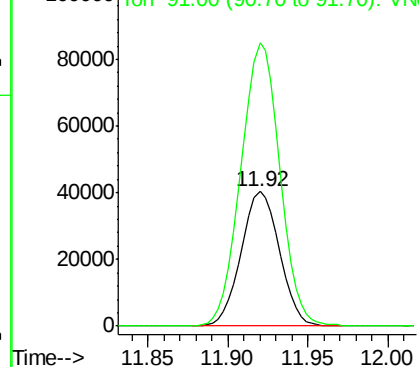
Tot Ion:106 Resp: 66108
Ion Ratio Lower Upper
106 100
91 213.2 105.5 316.5

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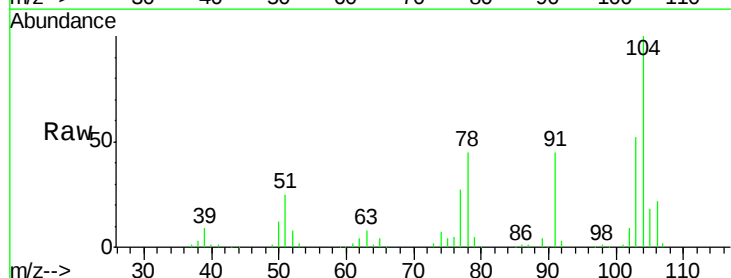


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

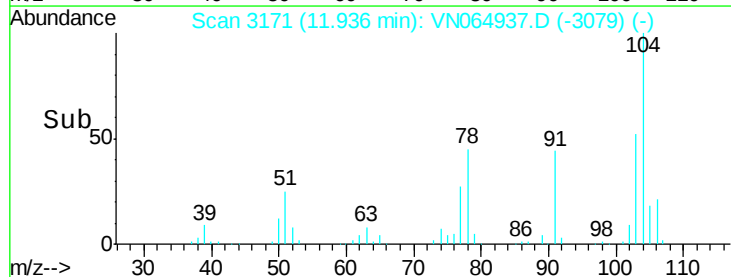
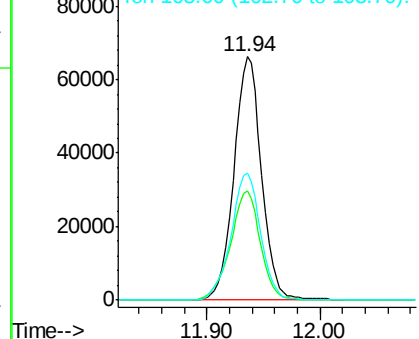


#70
Styrene
Concen: 18.156 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064937.D
Acq: 7 Dec 2020 11:54

Tgt Ion:104 Resp: 112140
Ion Ratio Lower Upper
104 100
78 48.7 39.0 58.6
103 56.0 44.3 66.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 17.591 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN064937.D

Acq: 7 Dec 2020 11:54

Instrument :

MSVOA_N

ClientSampleId :

VN1207WBS01

Tot Ion:173 Resp: 31474

Ion Ratio Lower Upper

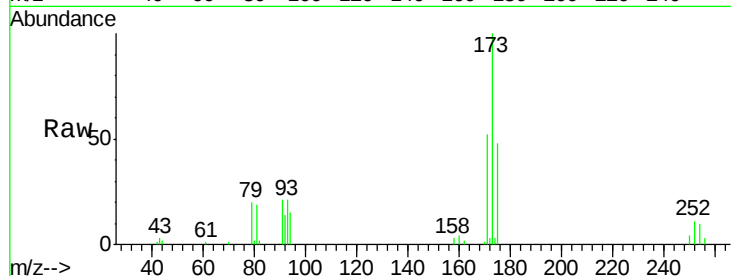
173 100

175 47.2 24.3 72.8

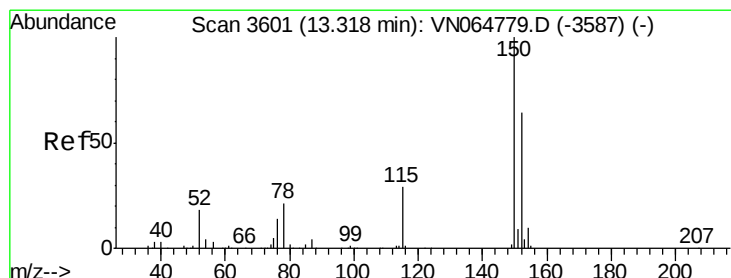
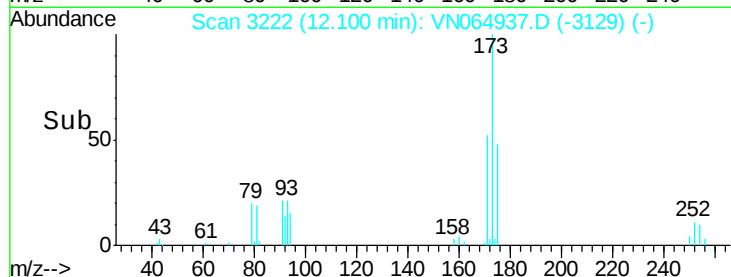
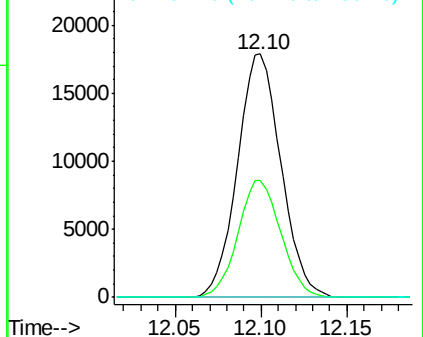
254 0.0 0.0 0.0

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN064937.D

Acq: 7 Dec 2020 11:54

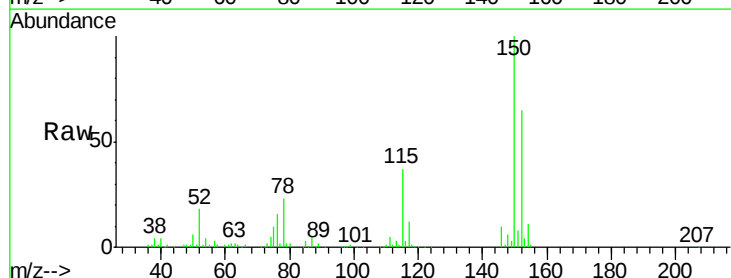
Tgt Ion:152 Resp: 136150

Ion Ratio Lower Upper

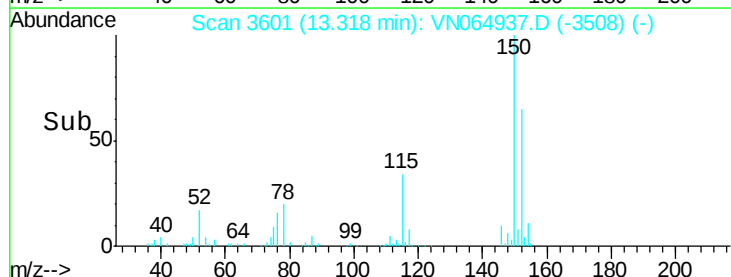
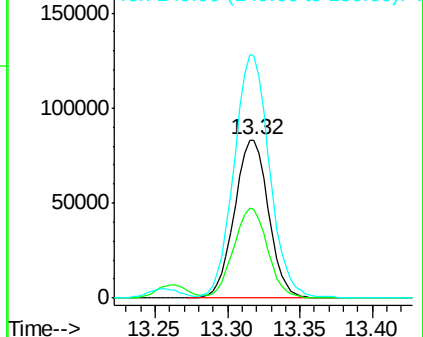
152 100

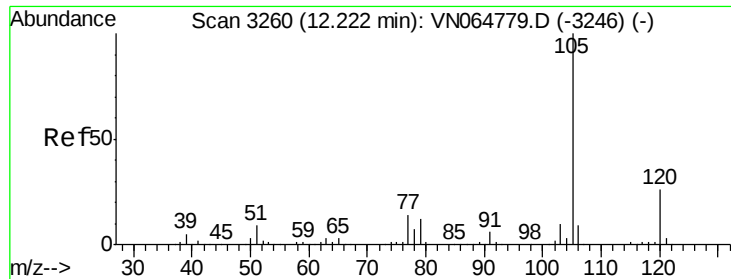
115 57.0 29.7 89.1

150 161.1 0.0 350.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.809 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN064937.D

Acq: 7 Dec 2020 11:54

Instrument :

MSVOA_N

ClientSampled :

VN1207WBS01

Tot Ion: 105 Resp: 178128

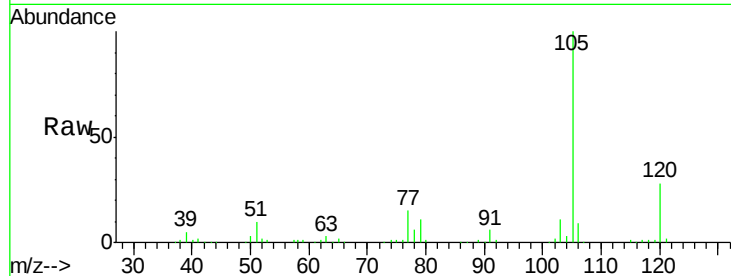
Ion Ratio Lower Upper

105 100

120 26.4 13.3 39.9

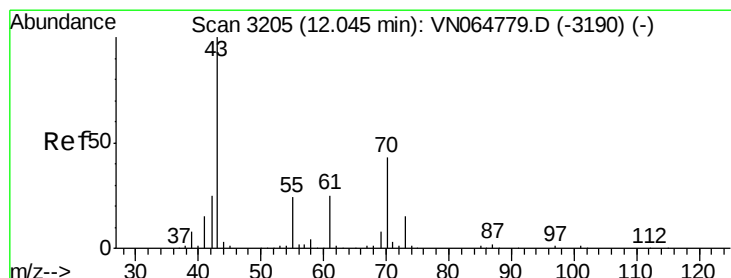
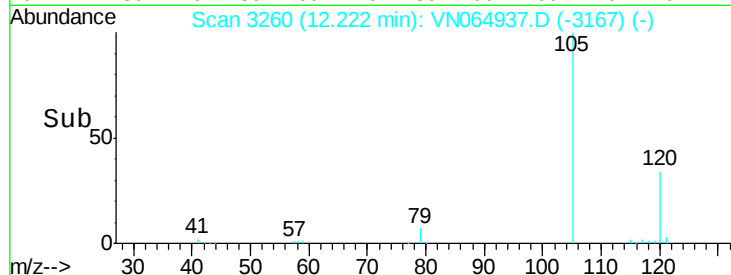
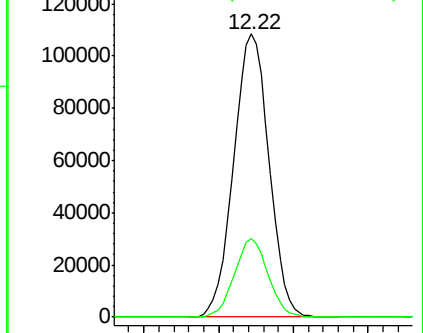
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 17.095 ug/l

RT: 12.04 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VN064937.D

Acq: 7 Dec 2020 11:54

Tgt Ion: 43 Resp: 63712

Ion Ratio Lower Upper

43 100

70 45.1 34.5 51.7

55 27.5 20.4 30.6

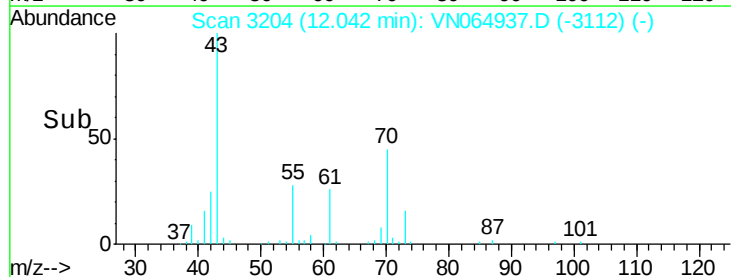
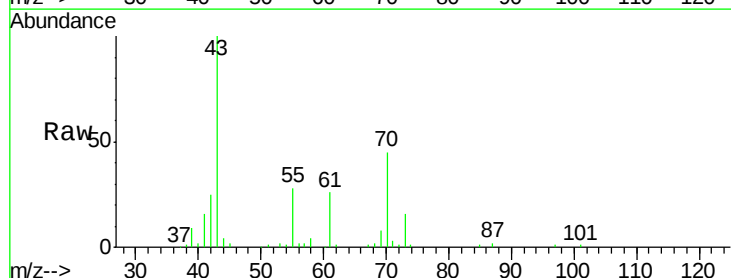
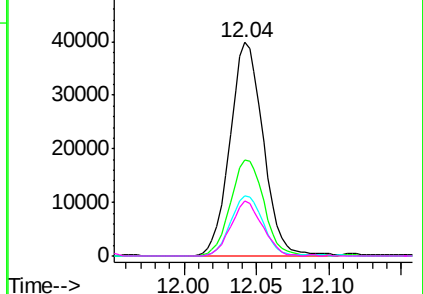
61 24.2 20.0 30.0

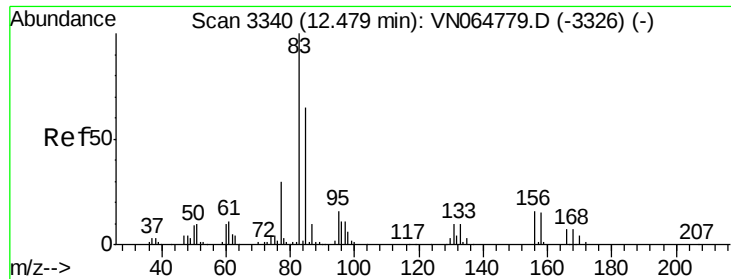
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 18.717 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN064937.D

Acq: 7 Dec 2020 11:54

Instrument :

MSVOA_N

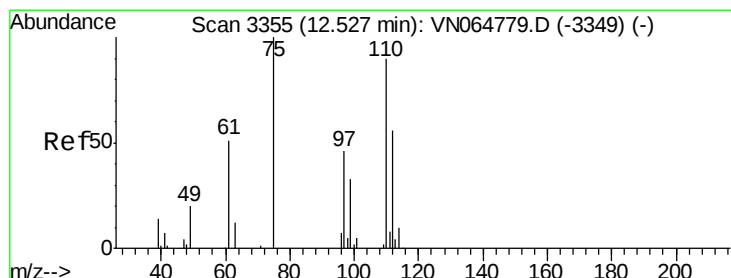
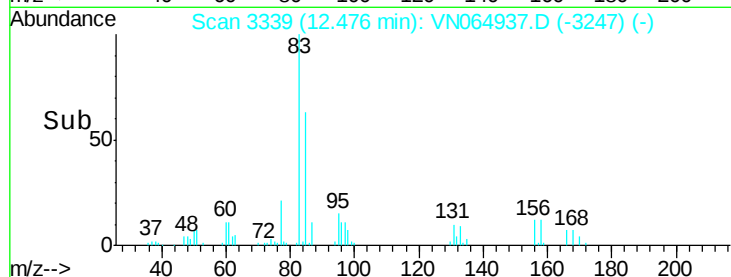
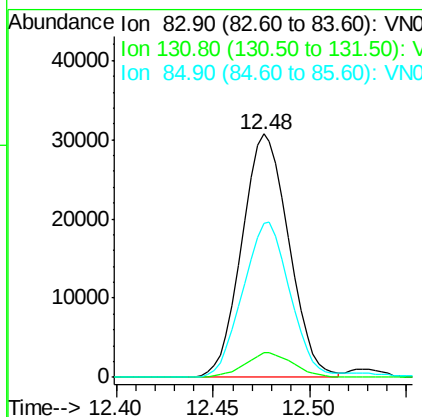
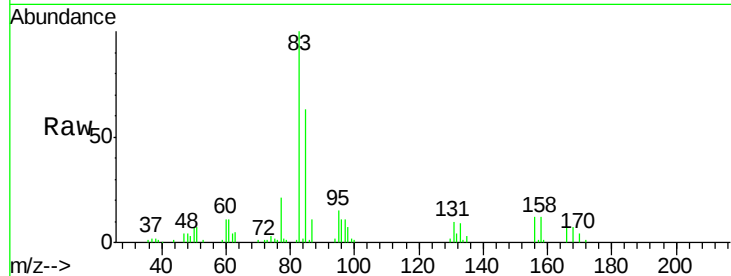
ClientSampleId :

VN1207WBS01

Tot Ion:	83	Resp:	51955
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.1	15.3
85	63.9	33.0	99.0

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#76

1,2,3-Trichloropropane

Concen: 18.886 ug/l m

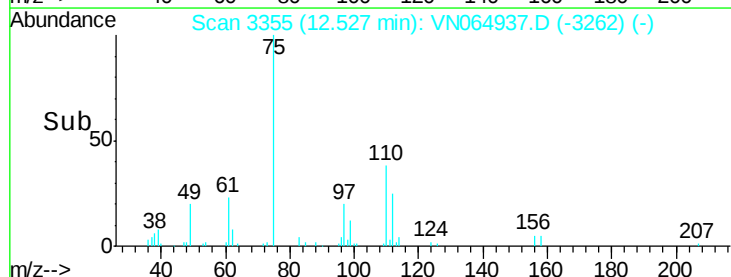
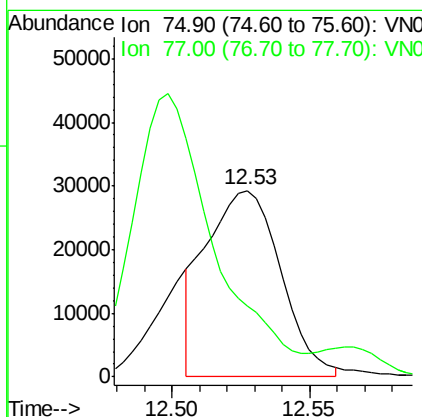
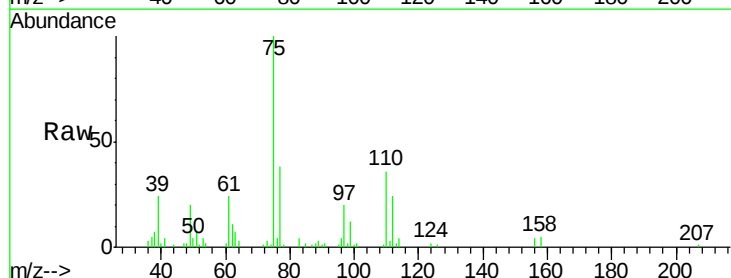
RT: 12.53 min Scan# 3355

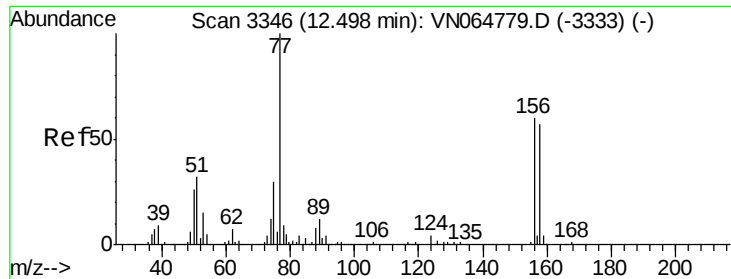
Delta R.T. 0.00 min

Lab File: VN064937.D

Acq: 7 Dec 2020 11:54

Tgt Ion:	75	Resp:	55377
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.160 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064937.D

Acq: 7 Dec 2020 11:54

Instrument :

MSVOA_N

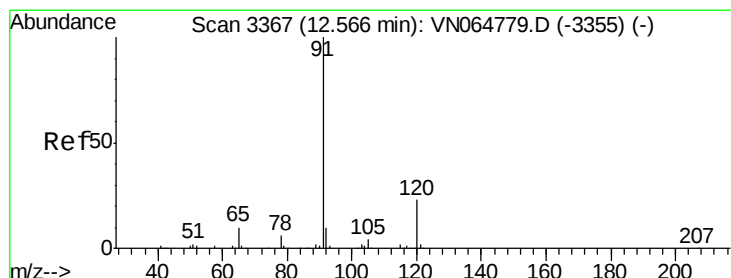
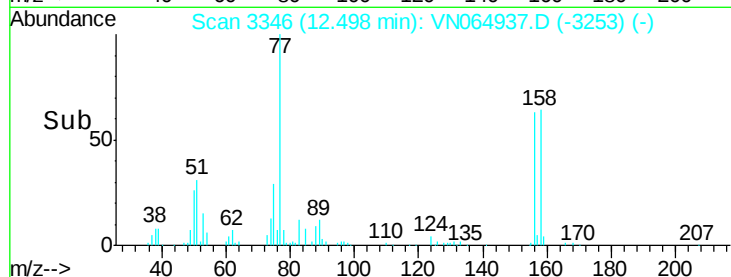
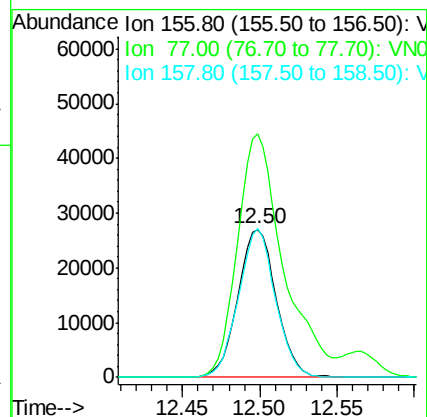
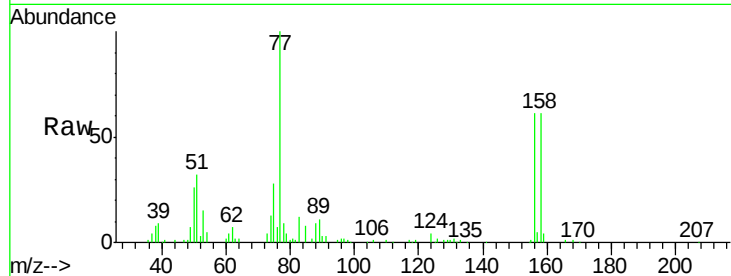
ClientSampleId :

VN1207WBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	197.7	101.3	303.7	
158	97.1	48.2	144.6	

Manual Integrations
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#78

n-propylbenzene

Concen: 18.160 ug/l

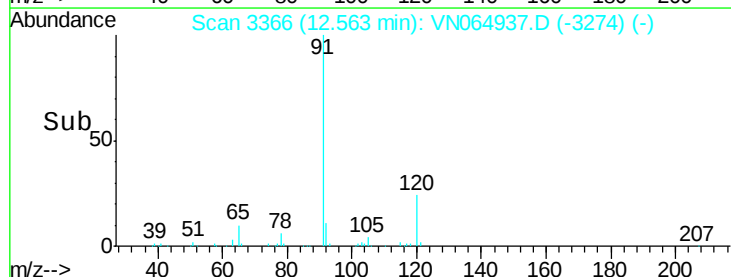
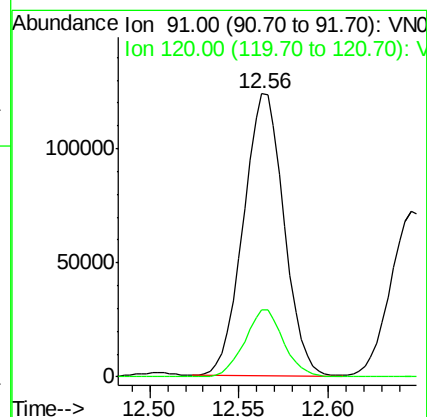
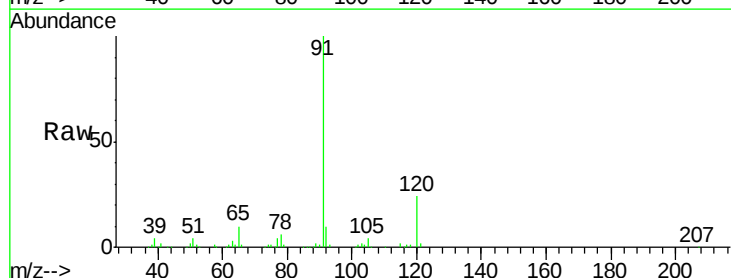
RT: 12.56 min Scan# 3366

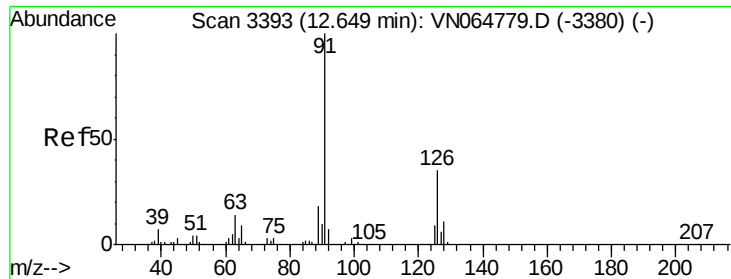
Delta R.T. -0.00 min

Lab File: VN064937.D

Acq: 7 Dec 2020 11:54

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.9	11.6	34.7	





#79

2-Chlorotoluene

Concen: 18.137 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064937.D

Acq: 7 Dec 2020 11:54

Instrument :

MSVOA_N

ClientSampleId :

VN1207WBS01

Tot Ion: 91 Resp: 120953

Ion Ratio Lower Upper

91 100

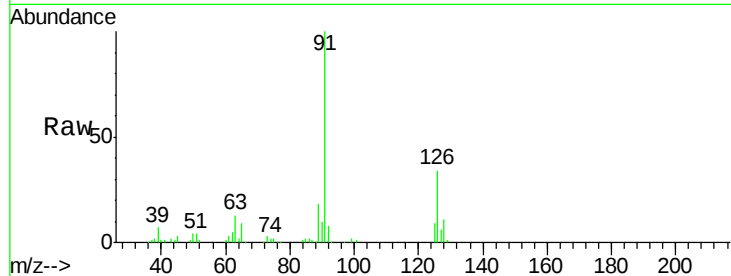
126 34.5 17.2 51.6

Manual Integrations

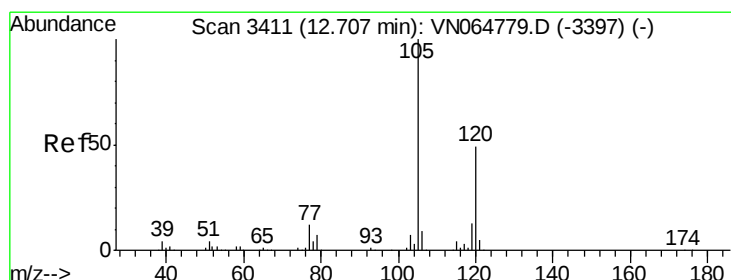
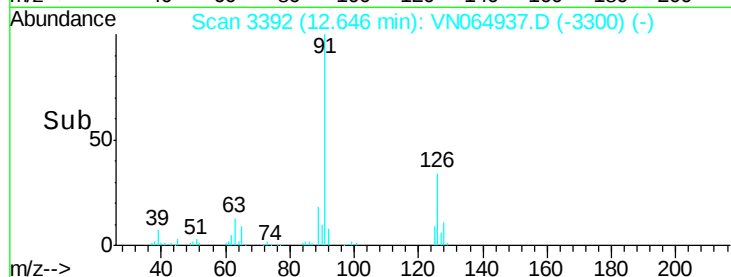
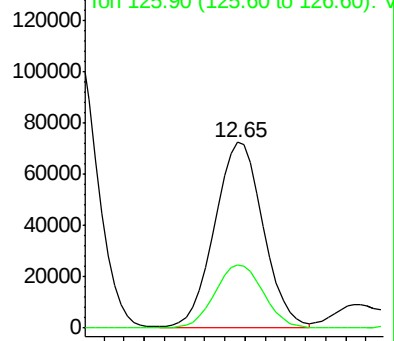
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Abundance Ion 91.00 (90.70 to 91.70): VN064937.D (-3300) (-)



#80

1,3,5-Trimethylbenzene

Concen: 18.640 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064937.D

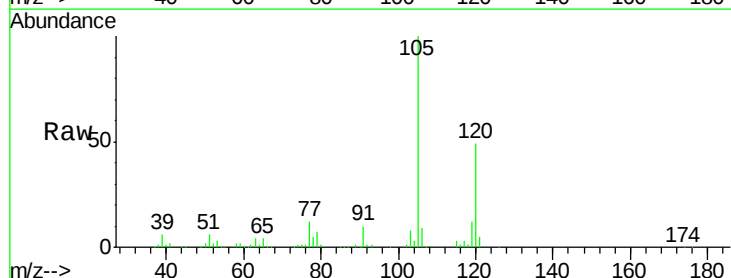
Acq: 7 Dec 2020 11:54

Tgt Ion: 105 Resp: 146725

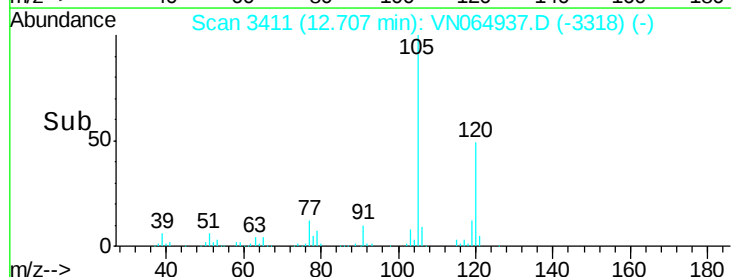
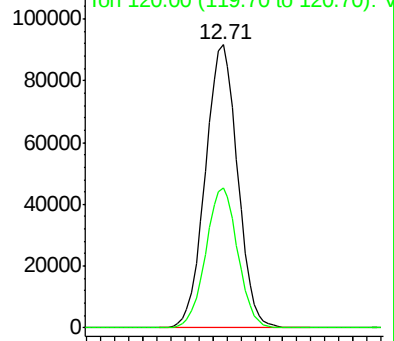
Ion Ratio Lower Upper

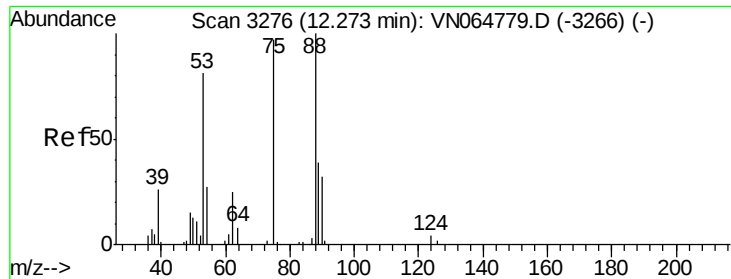
105 100

120 49.1 24.6 73.6



Abundance Ion 105.00 (104.70 to 105.70): VN064937.D (-3318) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 16.453 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN064937.D

Acq: 7 Dec 2020 11:54

Instrument :

MSVOA_N

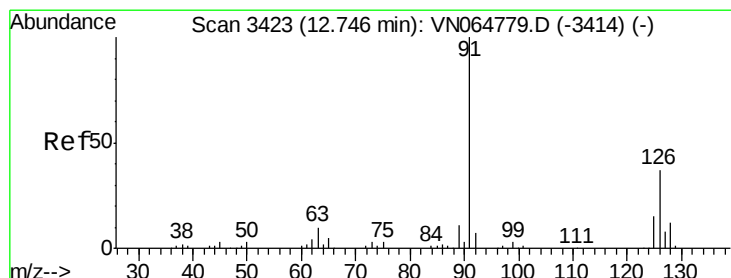
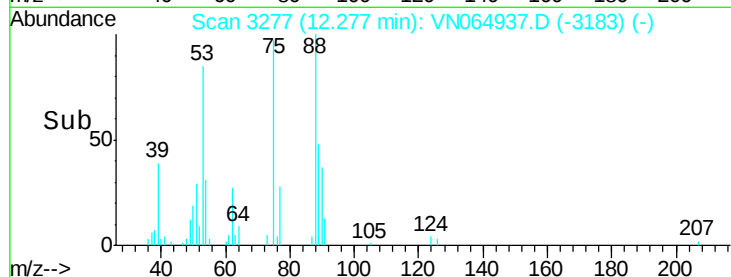
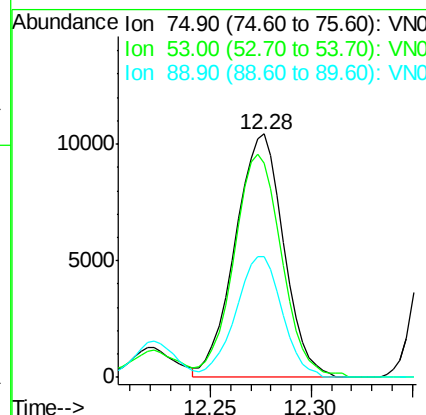
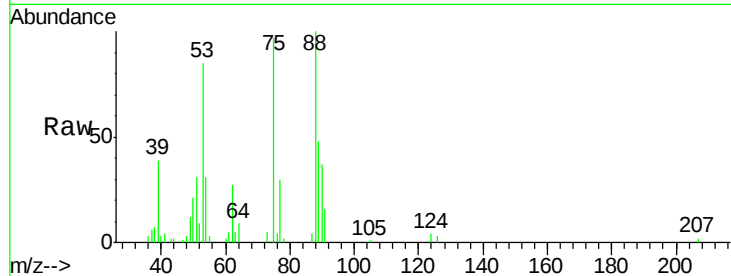
ClientSampleId :

VN1207WBS01

Tot Ion:	75	Resp:	17602
Ion Ratio	Lower	Upper	
75	100		
53	90.3	67.0	100.4
89	47.5	39.6	59.4

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#82

4-Chlorotoluene

Concen: 18.236 ug/l

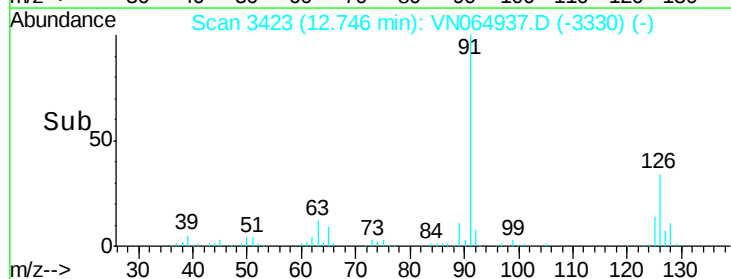
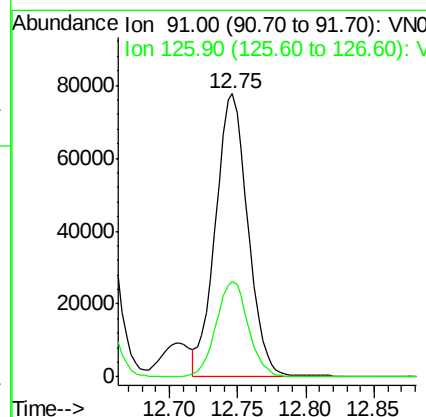
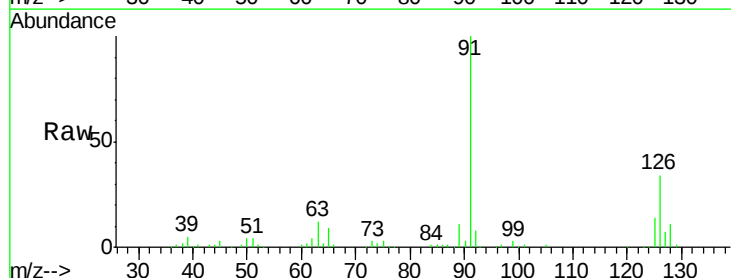
RT: 12.75 min Scan# 3423

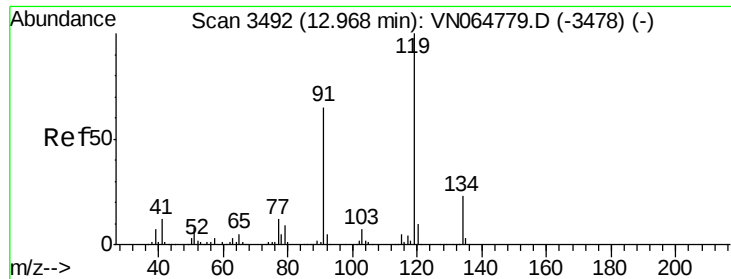
Delta R.T. 0.00 min

Lab File: VN064937.D

Acq: 7 Dec 2020 11:54

Tgt Ion:	91	Resp:	127474
Ion Ratio	Lower	Upper	
91	100		
126	33.9	16.9	50.7





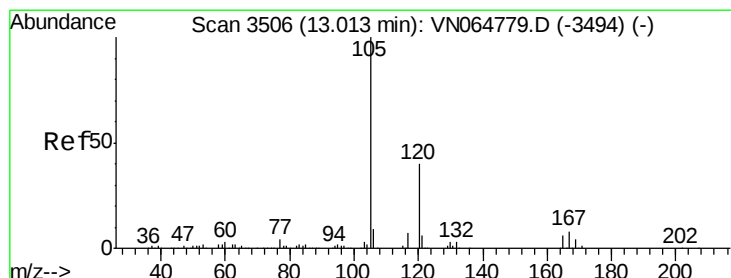
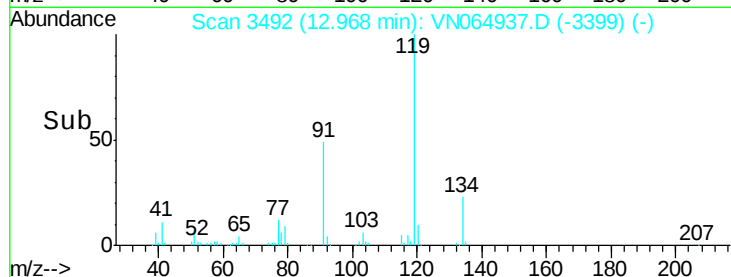
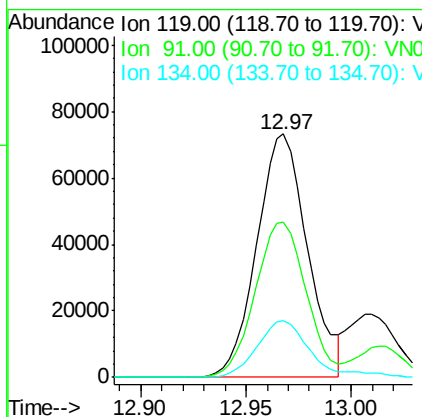
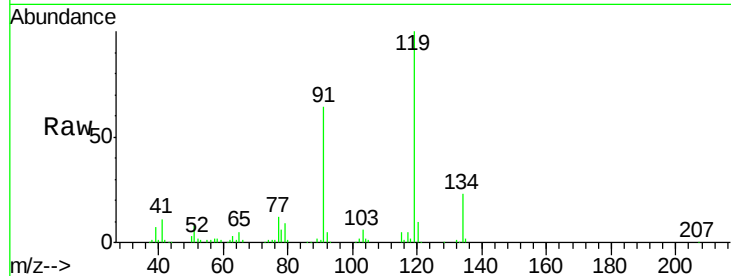
#83
 tert-Butylbenzene
 Concen: 18.579 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN064937.D
 Acq: 7 Dec 2020 11:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	122583		
91	64.0		32.3	96.8
134	24.5		12.6	37.6

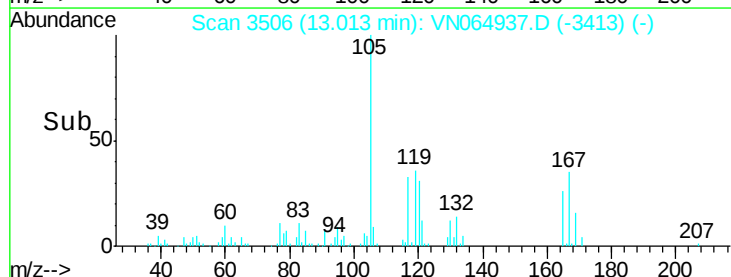
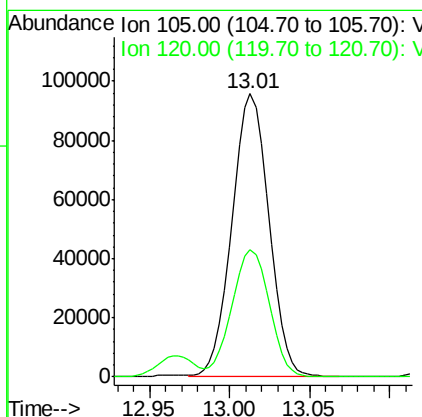
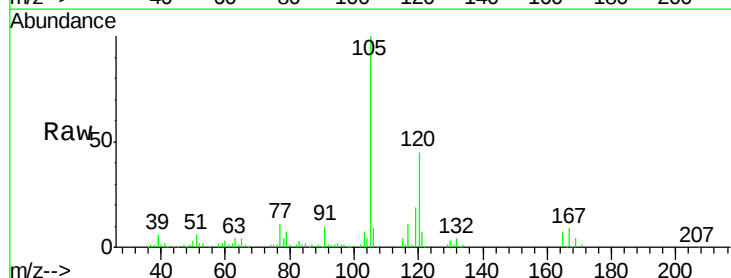
Manual Integrations
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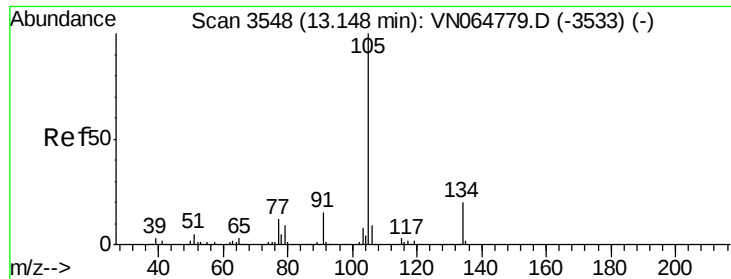
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#84
 1,2,4-Trimethylbenzene
 Concen: 18.783 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN064937.D
 Acq: 7 Dec 2020 11:54

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	149489		
120	46.2		23.1	69.2





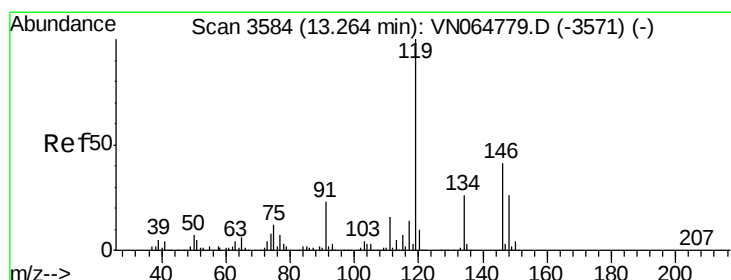
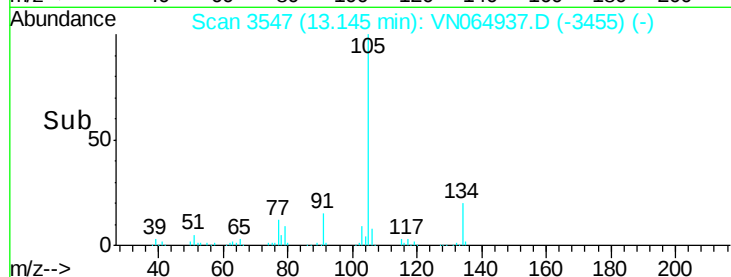
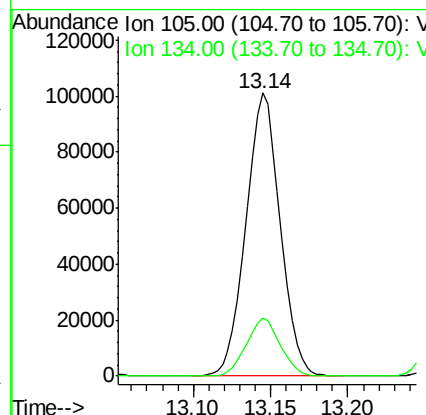
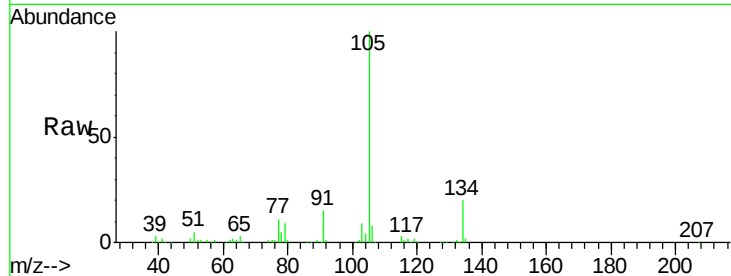
#85
 sec-Butylbenzene
 Concen: 17.794 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN064937.D
 Acq: 7 Dec 2020 11:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	155880		
134	20.2	10.1	30.1	

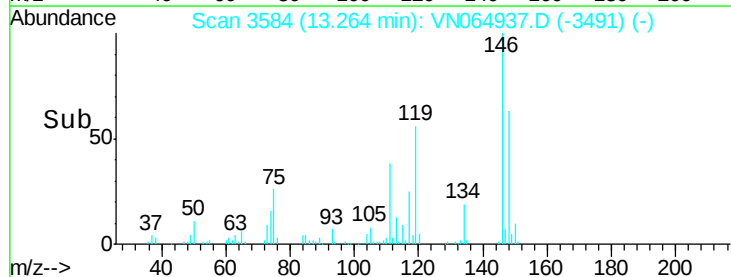
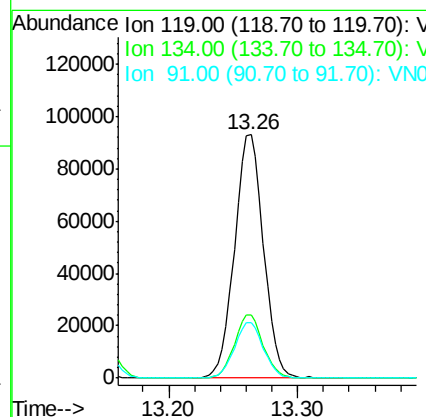
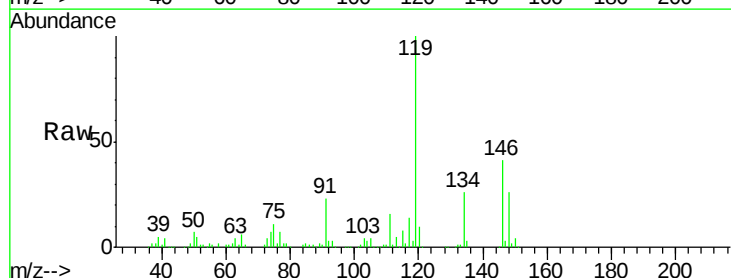
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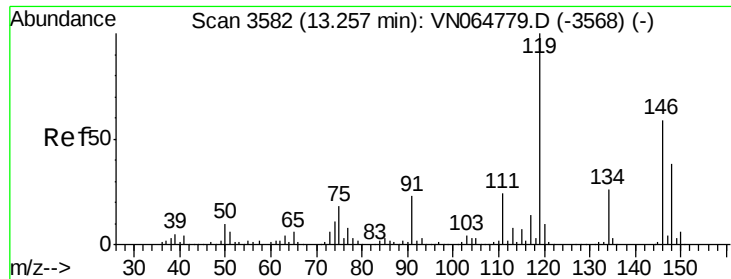
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#86
 p-Isopropyltoluene
 Concen: 18.170 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN064937.D
 Acq: 7 Dec 2020 11:54

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	144920		
134	25.6	13.1	39.1	
91	22.9	11.5	34.5	





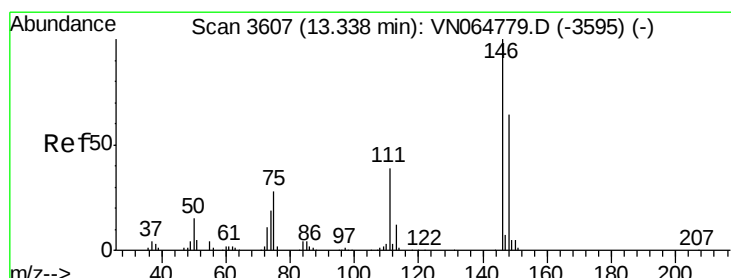
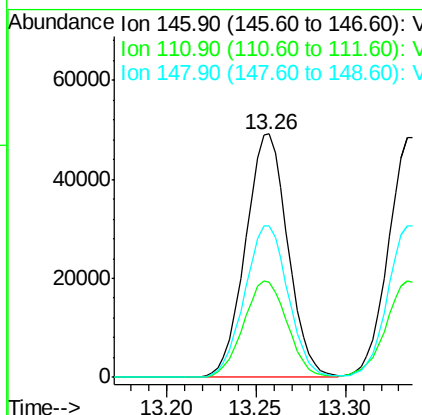
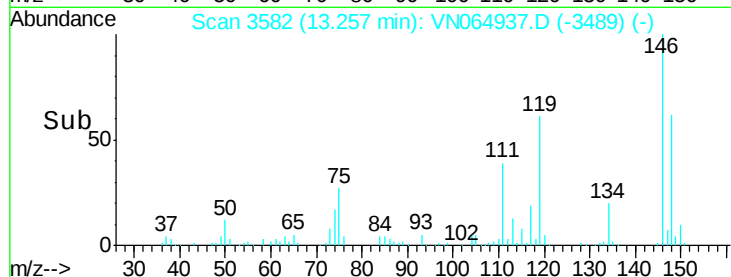
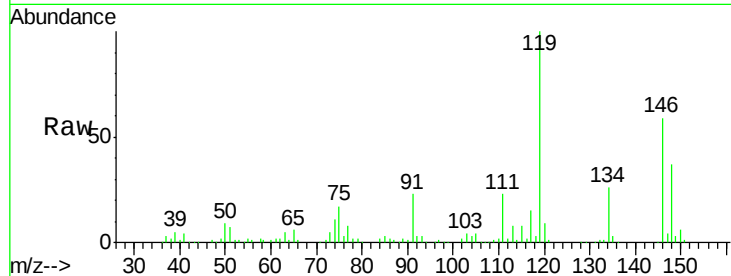
#87
 1,3-Dichlorobenzene
 Concen: 17.958 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064937.D
 Acq: 7 Dec 2020 11:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.6	61.9
148	63.9	31.9	95.5

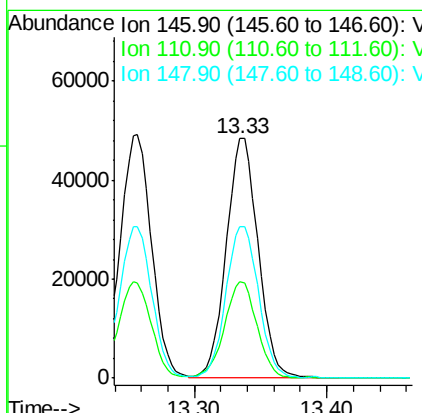
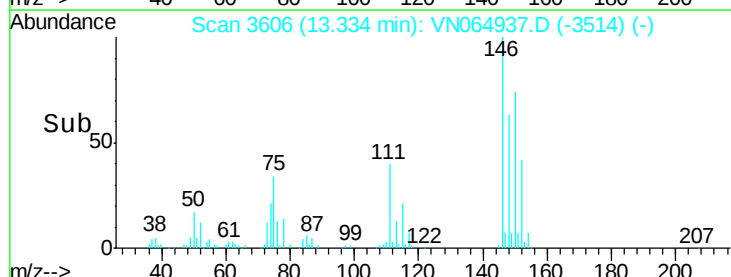
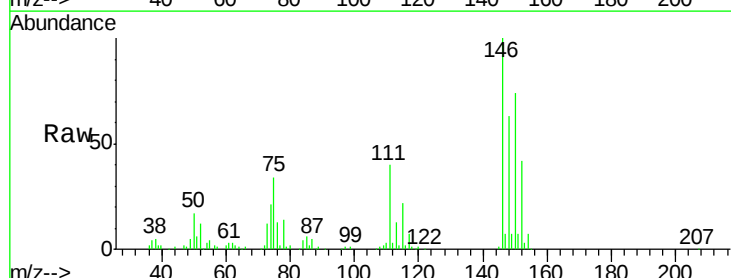
Manual Integrations
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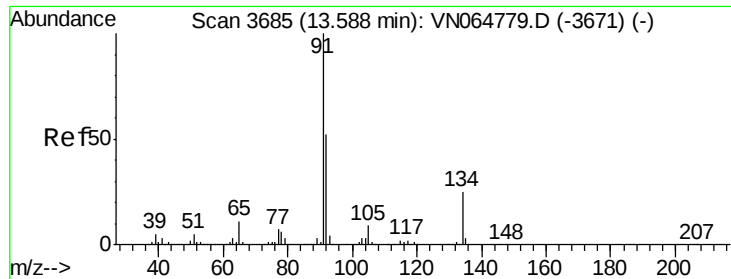
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#88
 1,4-Dichlorobenzene
 Concen: 16.922 ug/l
 RT: 13.33 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN064937.D
 Acq: 7 Dec 2020 11:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.8	59.3
148	64.0	31.9	95.5





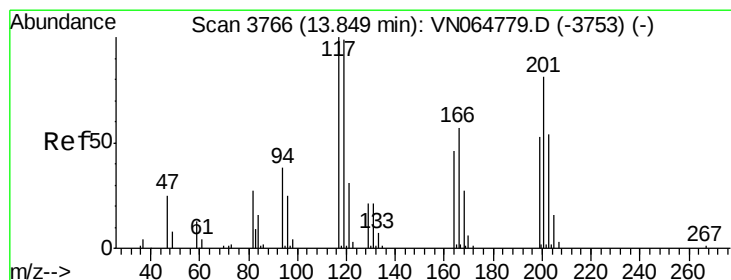
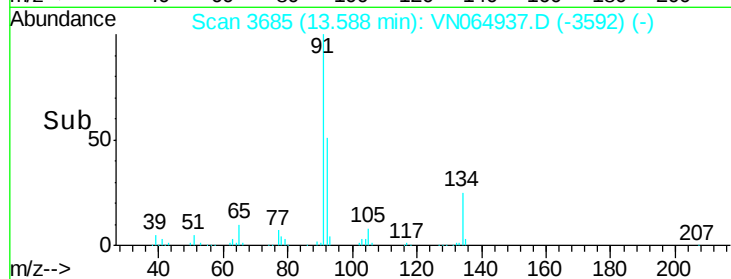
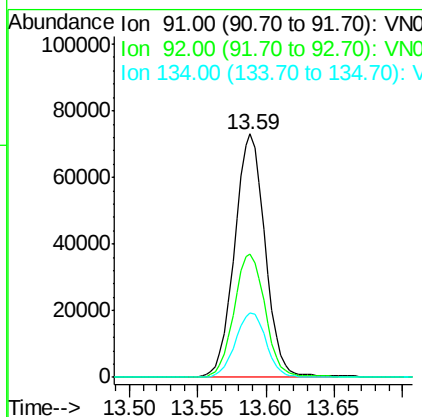
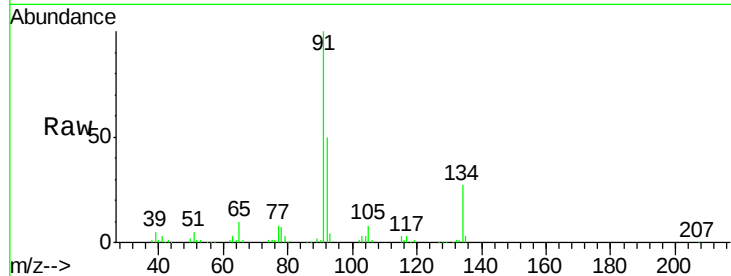
#89
n-Butylbenzene
Concen: 16.241 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064937.D
Acq: 7 Dec 2020 11:54

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.0	78.0
134	26.7	12.9	38.6

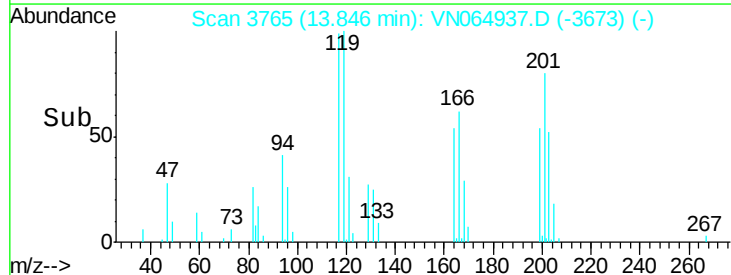
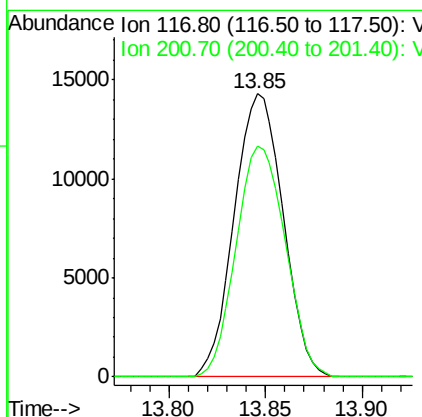
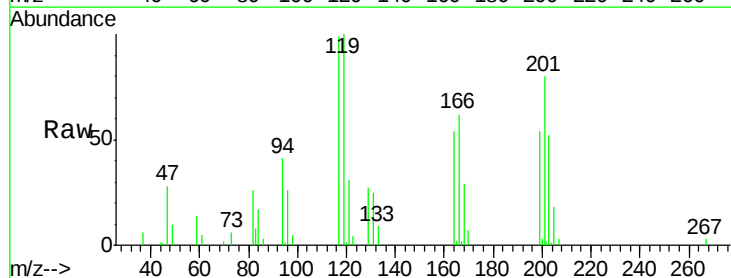
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#90
Hexachloroethane
Concen: 18.156 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN064937.D
Acq: 7 Dec 2020 11:54

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.2	40.1	120.3





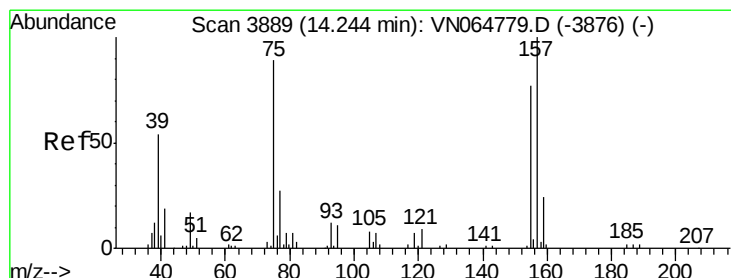
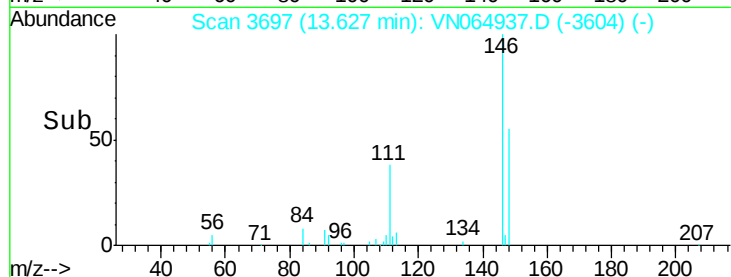
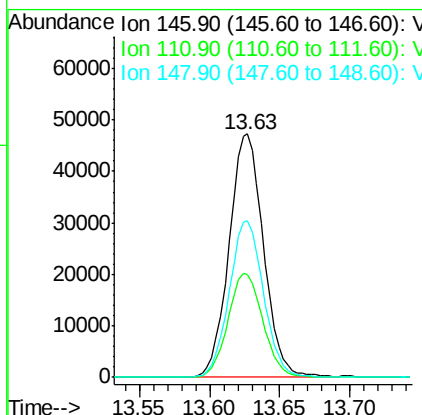
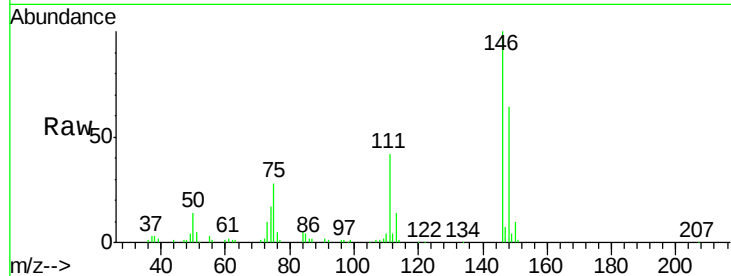
#91
 1,2-Dichlorobenzene
 Concen: 18.165 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064937.D
 Acq: 7 Dec 2020 11:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.1	63.1
148	64.0	32.0	96.2

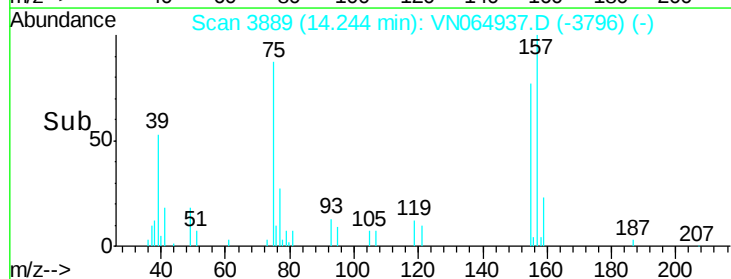
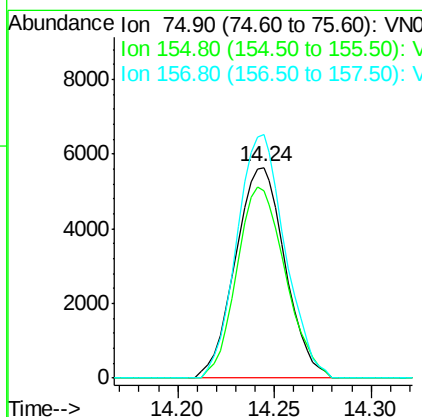
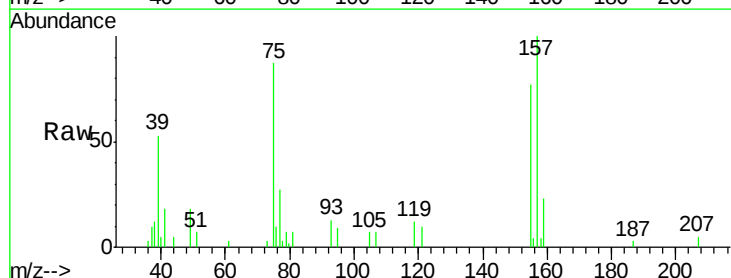
Manual Integrations
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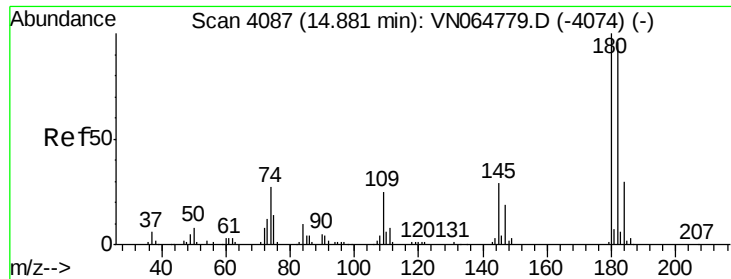
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.088 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN064937.D
 Acq: 7 Dec 2020 11:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.9	42.8	128.3
157	112.4	56.4	169.1





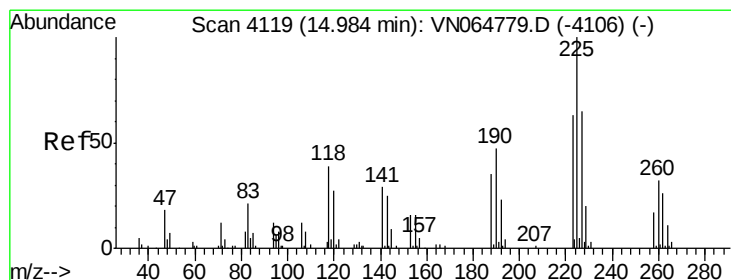
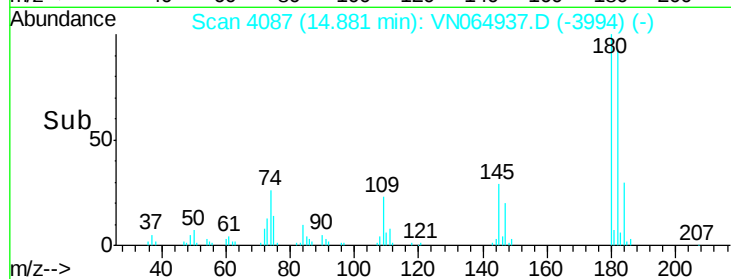
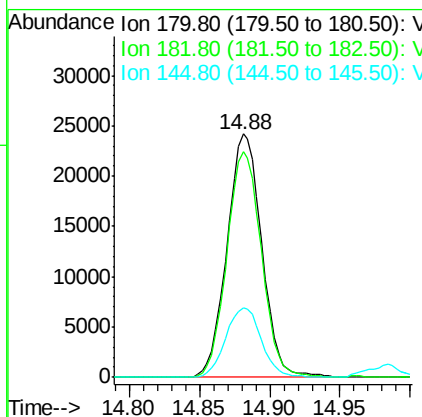
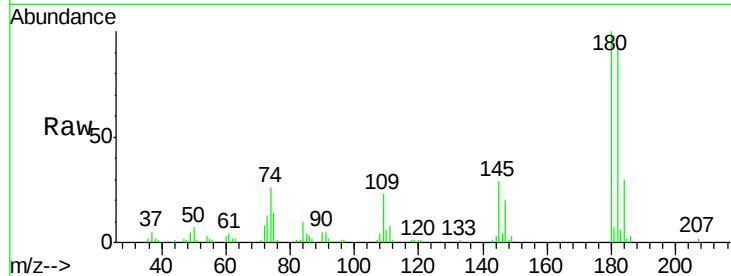
#93
 1,2,4-Trichlorobenzene
 Concen: 15.095 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064937.D
 Acq: 7 Dec 2020 11:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.4	47.6	142.9
145	29.2	15.3	45.8

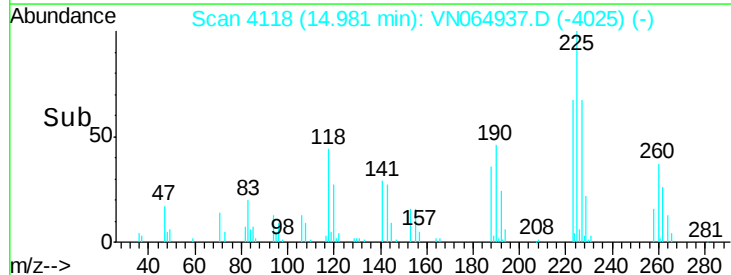
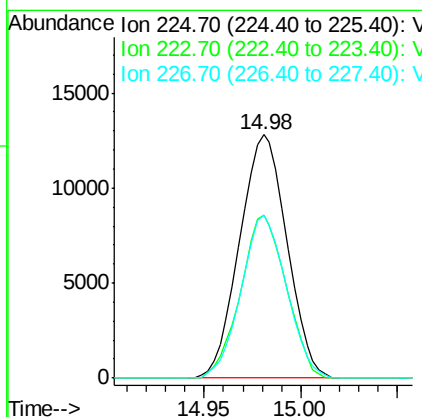
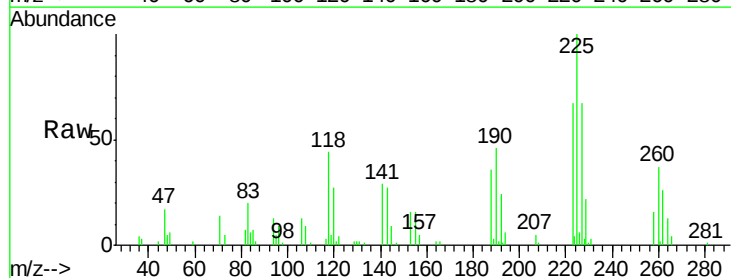
Manual Integrations
 APPROVED

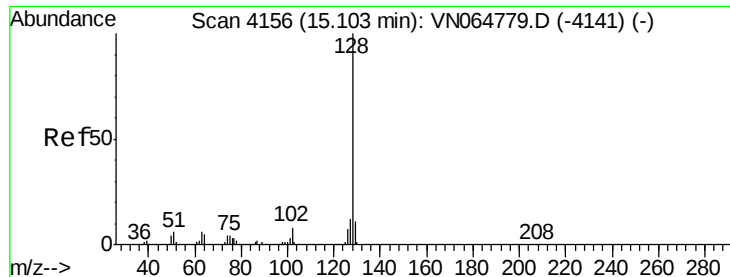
MMDadoda
 12/8/2020 5:04:02 PM



#94
 Hexachlorobutadiene
 Concen: 17.792 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064937.D
 Acq: 7 Dec 2020 11:54

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.5	31.0	93.0
227	64.0	32.0	96.0





#95

Naphthalene

Concen: 14.110 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064937.D

Acq: 7 Dec 2020 11:54

Instrument :

MSVOA_N

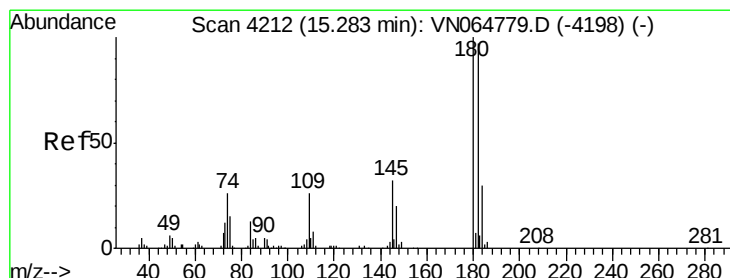
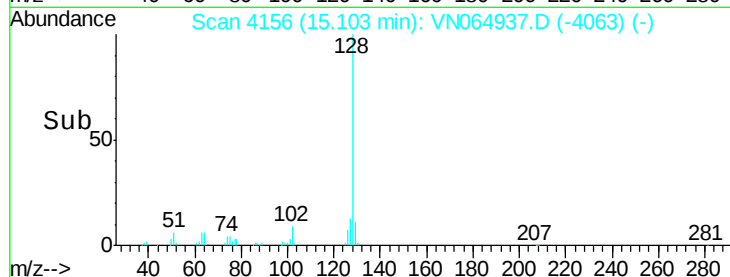
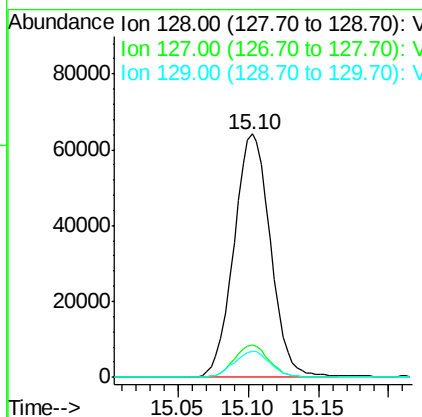
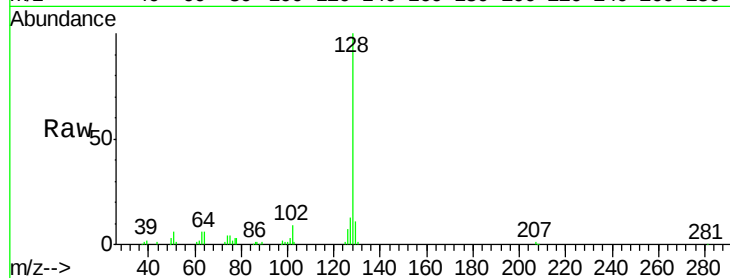
ClientSampleId :

VN1207WBS01

Tot Ion:	128	Resp:	116472
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.3	15.5
129	10.6	8.7	13.1

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 15.767 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN064937.D

Acq: 7 Dec 2020 11:54

Tgt Ion:	180	Resp:	38717
Ion Ratio	Lower	Upper	
180	100		
182	93.3	48.1	144.4
145	32.0	16.4	49.1

