

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111020\
 Data File : VN064523.D
 Acq On : 10 Nov 2020 14:11
 Operator : JC/MD
 Sample : VN1110WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1110WBS02

Manual Integrations
 APPROVED

MMDadoda
 11/11/2020 1:01:28 PM

Quant Time: Nov 11 02:39:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 12:09:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	301608	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	534338	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	506250	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	225349	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	268176	51.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.10%	
35) Dibromofluoromethane	7.55	113	183641	50.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.96%	
50) Toluene-d8	10.06	98	685108	48.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.44%	
62) 4-Bromofluorobenzene	12.38	95	250514	47.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.22%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.84	85	74589	18.998	ug/l	100
3) Chloromethane	2.04	50	86289	18.094	ug/l	98
4) Vinyl Chloride	2.17	62	92509	18.890	ug/l	98
5) Bromomethane	2.54	94	58598	18.730	ug/l	95
6) Chloroethane	2.68	64	60553	19.313	ug/l	96
7) Trichlorofluoromethane	2.99	101	146397	20.302	ug/l	94
8) Diethyl Ether	3.38	74	50812	19.953	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.71	101	66959	19.554	ug/l	99
10) Methyl Iodide	3.91	142	73035	18.355	ug/l #	96
11) Tert butyl alcohol	4.75	59	50831	87.737	ug/l #	81
12) 1,1-Dichloroethene	3.69	96	58843	18.242	ug/l	96
13) Acrolein	3.57	56	33162	92.279	ug/l	97
14) Allyl chloride	4.28	41	110760	17.553	ug/l	98
15) Acrylonitrile	4.94	53	159034	98.595	ug/l	100
16) Acetone	3.78	43	183844	91.868	ug/l	99
17) Carbon Disulfide	4.01	76	176666	18.315	ug/l	99
18) Methyl Acetate	4.29	43	73555	18.696	ug/l	97
19) Methyl tert-butyl Ether	5.00	73	212422	18.298	ug/l	96
20) Methylene Chloride	4.51	84	75433	18.998	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	66620	18.190	ug/l	99
22) Diisopropyl ether	5.91	45	249904	18.657	ug/l	97
23) Vinyl Acetate	5.85	43	999722	91.748	ug/l	98
24) 1,1-Dichloroethane	5.80	63	140910	19.145	ug/l	100
25) 2-Butanone	6.79	43	236601	92.793	ug/l	97
26) 2,2-Dichloropropane	6.78	77	127867	19.191	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	78437	18.482	ug/l	99
28) Bromochloromethane	7.15	49	67551	18.672	ug/l	98
29) Tetrahydrofuran	7.17	42	145404	92.949	ug/l	100
30) Chloroform	7.33	83	148773	19.229	ug/l	98
31) Cyclohexane	7.61	56	109315	17.117	ug/l #	95
32) 1,1,1-Trichloroethane	7.53	97	133703	19.484	ug/l	99
36) 1,1-Dichloropropene	7.75	75	104613	18.532	ug/l	98
37) Ethyl Acetate	6.89	43	98944	17.769	ug/l	100
38) Carbon Tetrachloride	7.74	117	115798	19.194	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	88413	17.472	ug/l	93
40) Benzene	8.00	78	303941	18.323	ug/l	99
41) Methacrylonitrile	7.14	41	50395	20.137	ug/l #	84
42) 1,2-Dichloroethane	8.09	62	129847	19.397	ug/l	100
43) Isopropyl Acetate	8.13	43	165585	18.101	ug/l	99
44) Trichloroethene	8.80	130	75718	18.093	ug/l	100
45) 1,2-Dichloropropane	9.08	63	83442	18.853	ug/l	97
46) Dibromomethane	9.18	93	55914	19.191	ug/l	99
47) Bromodichloromethane	9.37	83	121322	19.366	ug/l	98
48) Methyl methacrylate	9.17	41	84111	18.221	ug/l	99
49) 1,4-Dioxane	9.17	88	21845	359.287	ug/l	95
51) 4-Methyl-2-Pentanone	9.96	43	508062	95.234	ug/l	100
52) Toluene	10.13	92	188011	18.584	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	124006	18.671	ug/l	95
54) cis-1,3-Dichloropropene	9.81	75	131405	18.505	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	74723	18.938	ug/l	95
56) Ethyl methacrylate	10.40	69	102760	17.088	ug/l	99
57) 1,3-Dichloropropane	10.68	76	130027	18.880	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.67	63	272944	102.853	ug/l	99
59) 2-Hexanone	10.72	43	363073	86.143	ug/l	98
60) Dibromochloromethane	10.87	129	87077	19.712	ug/l	99
61) 1,2-Dibromoethane	10.98	107	77546	19.376	ug/l	96
64) Tetrachloroethene	10.60	164	71714	18.390	ug/l	97
65) Chlorobenzene	11.41	112	200231	18.042	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	78918	19.061	ug/l	98
67) Ethyl Benzene	11.49	91	348707	17.664	ug/l	99
68) m/p-Xylenes	11.59	106	256948	35.891	ug/l	96
69) o-Xylene	11.92	106	119962	17.341	ug/l	95
70) Styrene	11.94	104	209501	17.997	ug/l	99
71) Bromoform	12.10	173	54317	18.302	ug/l #	98
73) Isopropylbenzene	12.23	105	323340	18.052	ug/l	100
74) N-amyl acetate	12.05	43	137242	16.629	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	105595	19.194	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	103384m	18.935	ug/l	
77) Bromobenzene	12.50	156	80294	18.361	ug/l	99
78) n-propylbenzene	12.57	91	374901	18.359	ug/l	99
79) 2-Chlorotoluene	12.65	91	235465	18.181	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	270383	18.298	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.28	75	32090	16.410	ug/l	88
82) 4-Chlorotoluene	12.75	91	247787	18.269	ug/l	99
83) tert-Butylbenzene	12.97	119	210608	18.249	ug/l	99
84) 1,2,4-Trimethylbenzene	13.02	105	273499	18.412	ug/l	99
85) sec-Butylbenzene	13.15	105	276729	18.933	ug/l	100
86) p-Isopropyltoluene	13.26	119	245243	18.654	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	139384	18.439	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	138974	17.790	ug/l	98
89) n-Butylbenzene	13.59	91	212384	18.789	ug/l	98
90) Hexachloroethane	13.85	117	48036	18.941	ug/l	93
91) 1,2-Dichlorobenzene	13.63	146	138420	19.036	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	21729	19.838	ug/l	100

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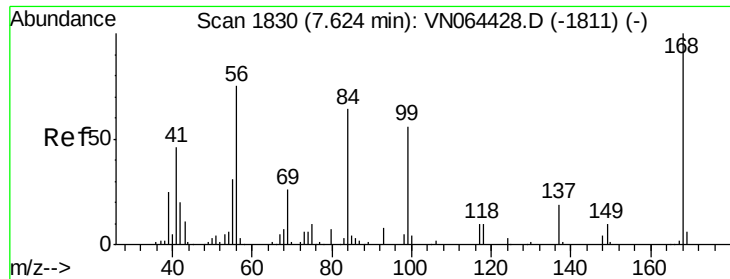
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	55811	17.276	ug/l	98
94) Hexachlorobutadiene	14.98	225	32584	22.010	ug/l	99
95) Naphthalene	15.10	128	169331	16.331	ug/l	98
96) 1,2,3-Trichlorobenzene	15.29	180	58333	18.524	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064523.D

Acq: 10 Nov 2020 14:11

Instrument :

MSVOA_N

ClientSampleId :

VN1110WBS02

Tot Ion:168 Resp: 301608

Ion Ratio Lower Upper

168 100

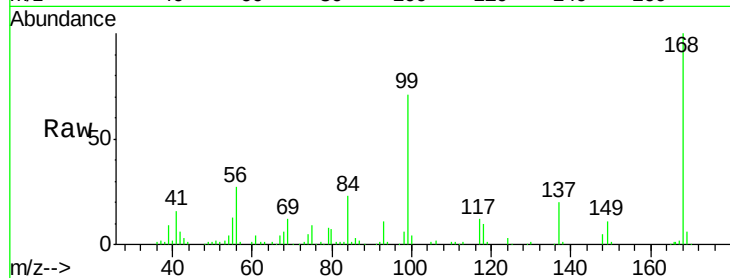
99 70.9 53.4 80.2

Manual Integrations

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11/11/2020 1:01:28 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

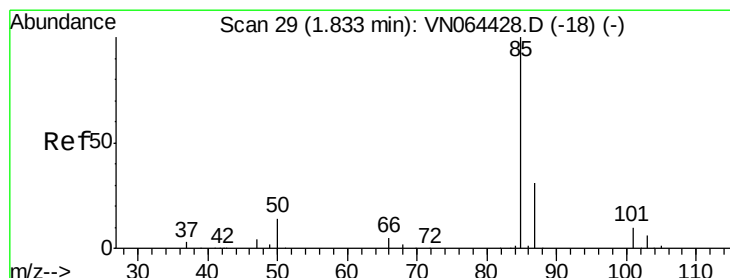
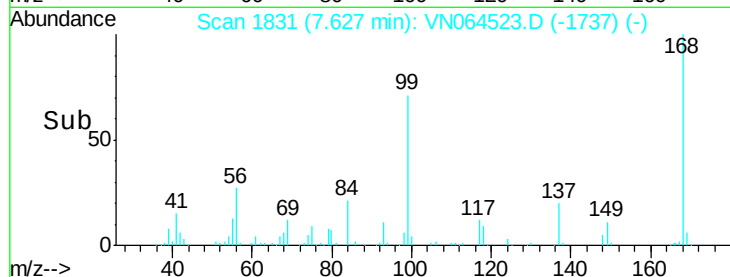
7.63

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.998 ug/l

RT: 1.84 min Scan# 30

Delta R.T. 0.00 min

Lab File: VN064523.D

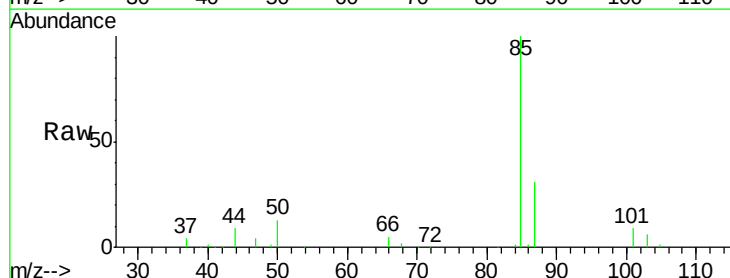
Acq: 10 Nov 2020 14:11

Tgt Ion: 85 Resp: 74589

Ion Ratio Lower Upper

85 100

87 31.2 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.84

60000

50000

40000

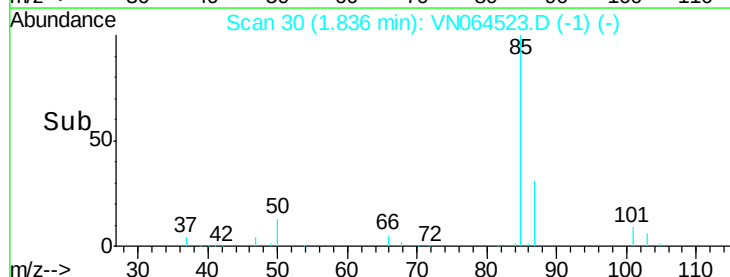
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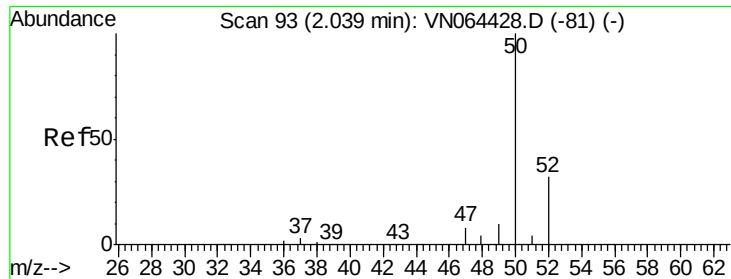
20000

10000

0

Time-->





#3

Chloromethane

Concen: 18.094 ug/l

RT: 2.04 min Scan# 94

Delta R.T. 0.00 min

Lab File: VN064523.D

Acq: 10 Nov 2020 14:11

Instrument :

MSVOA_N

ClientSampleId :

VN1110WBS02

Tot Ion: 50 Resp: 86289

Ion Ratio Lower Upper

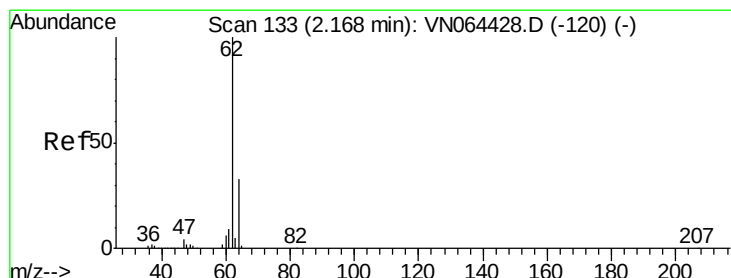
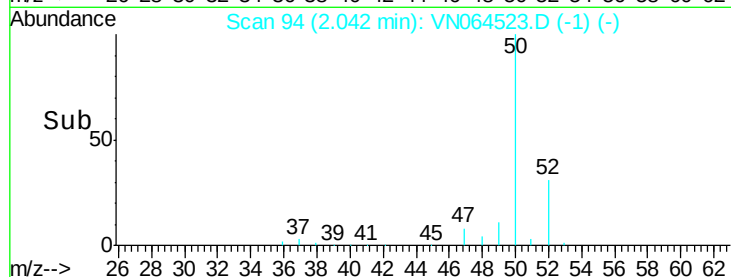
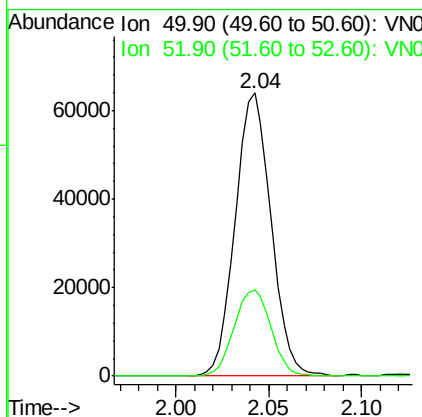
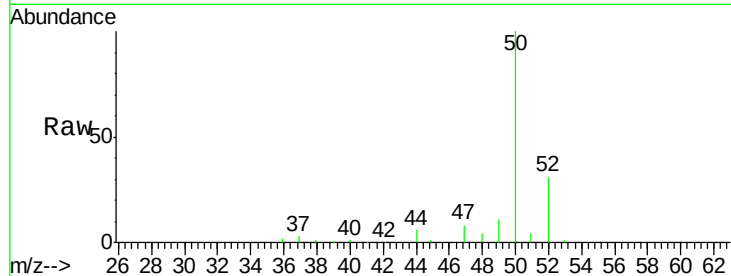
50 100

52 30.5 25.3 37.9

Manual Integrations
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#4

Vinyl Chloride

Concen: 18.890 ug/l

RT: 2.17 min Scan# 133

Delta R.T. -0.00 min

Lab File: VN064523.D

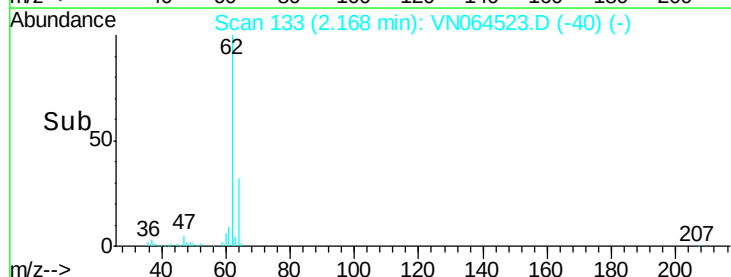
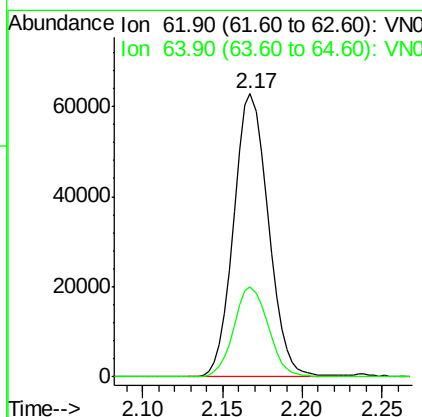
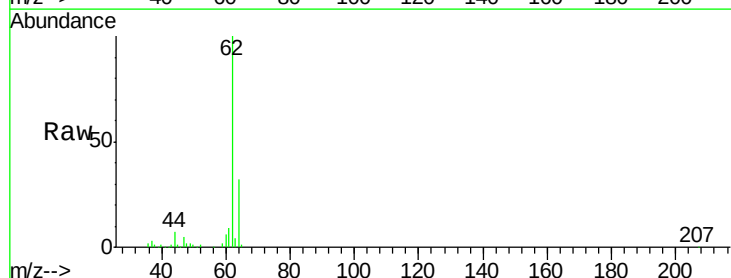
Acq: 10 Nov 2020 14:11

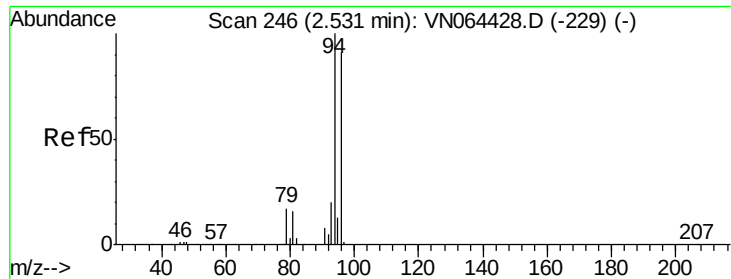
Tgt Ion: 62 Resp: 92509

Ion Ratio Lower Upper

62 100

64 31.7 26.3 39.5





#5

Bromomethane

Concen: 18.730 ug/l

RT: 2.54 min Scan# 249

Delta R.T. 0.01 min

Lab File: VN064523.D

Acq: 10 Nov 2020 14:11

Instrument :

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ClientSampleId :

VN1110WBS02

Tot Ion: 94 Resp: 58598

Ion Ratio Lower Upper

94 100

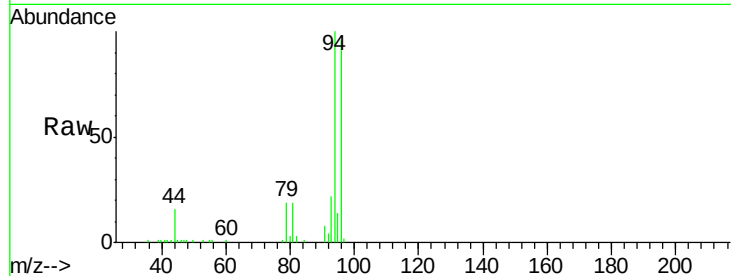
96 96.3 73.1 109.7

Manual Integrations

APPROVED

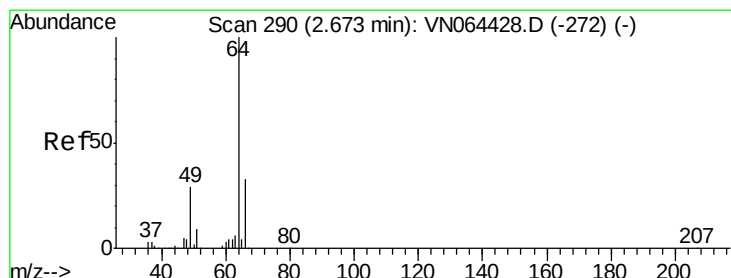
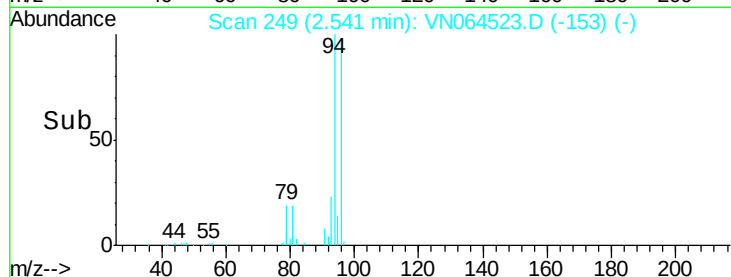
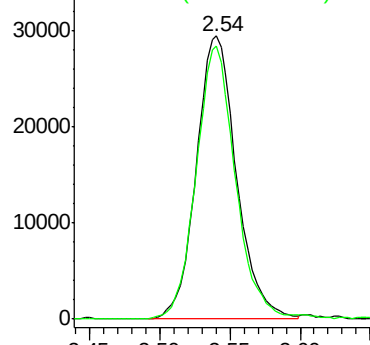
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.313 ug/l

RT: 2.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VN064523.D

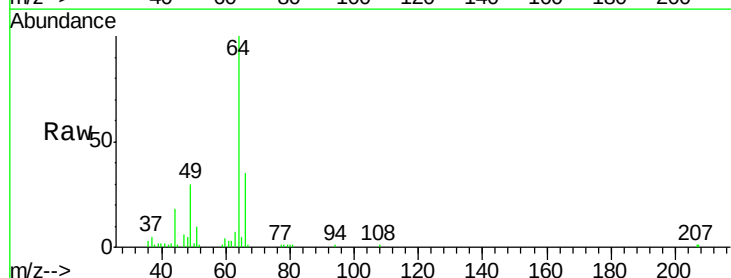
Acq: 10 Nov 2020 14:11

Tgt Ion: 64 Resp: 60553

Ion Ratio Lower Upper

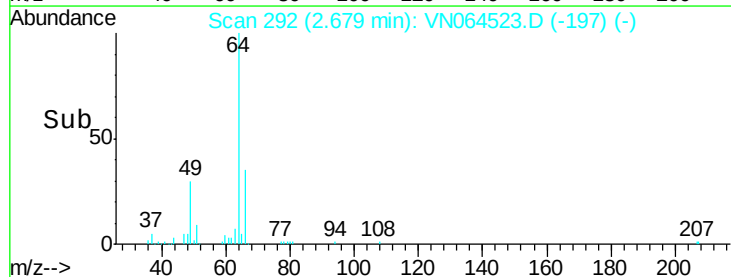
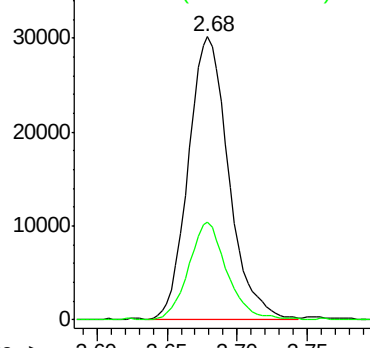
64 100

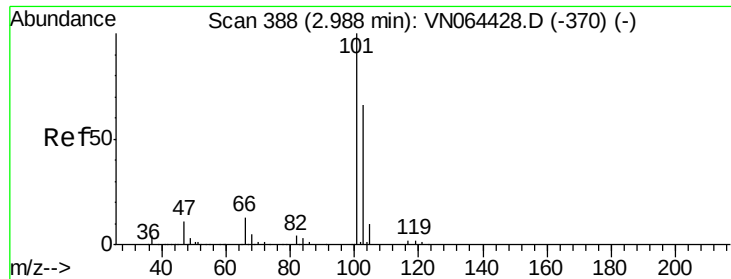
66 34.6 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

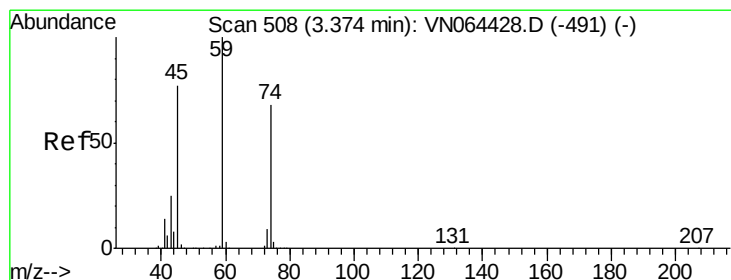
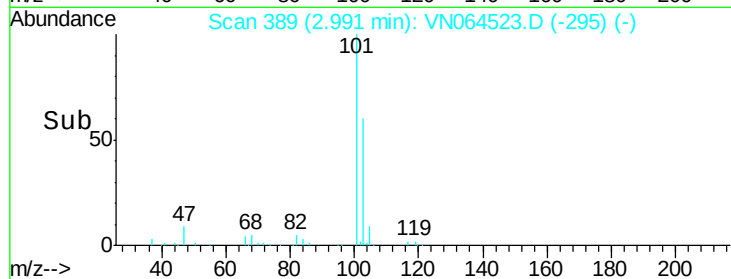
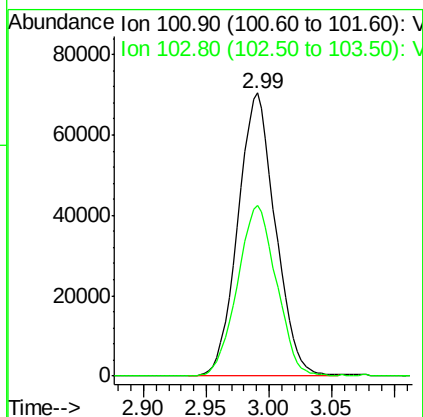
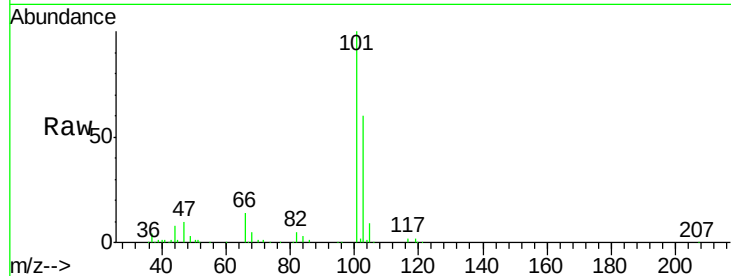
Trichlorofluoromethane
 Concen: 20.302 ug/l
 RT: 2.99 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN064523.D
 Acq: 10 Nov 2020 14:11

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Tot Ion	Ratio	Lower	Upper
101	100		
103	60.4	52.4	78.6

Manual Integrations
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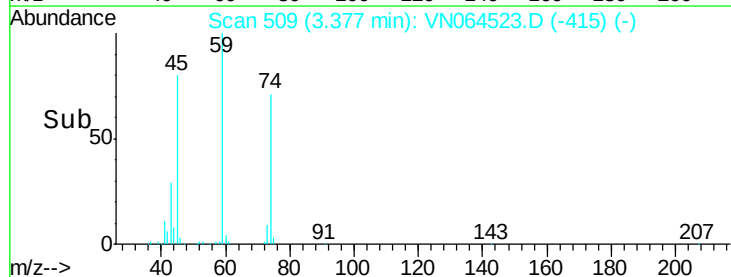
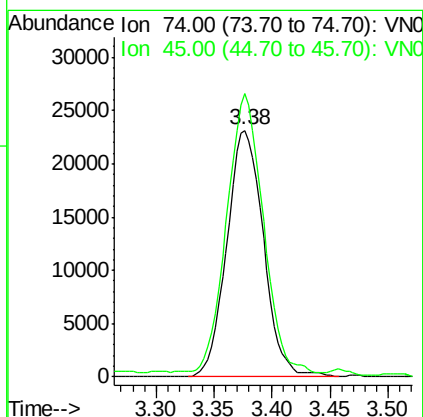
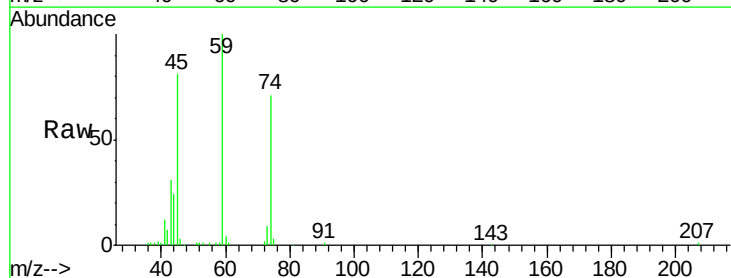
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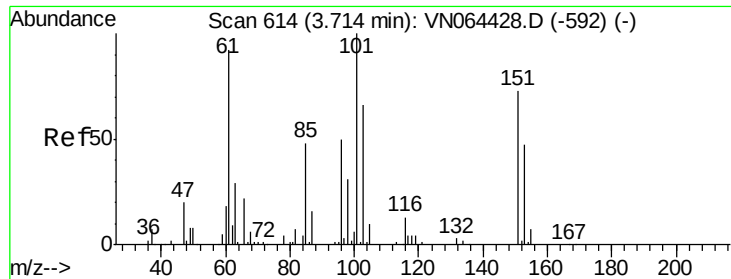


#8

Diethyl Ether
 Concen: 19.953 ug/l
 RT: 3.38 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN064523.D
 Acq: 10 Nov 2020 14:11

Tgt Ion	Ratio	Lower	Upper
74	100		
45	112.5	55.9	167.6





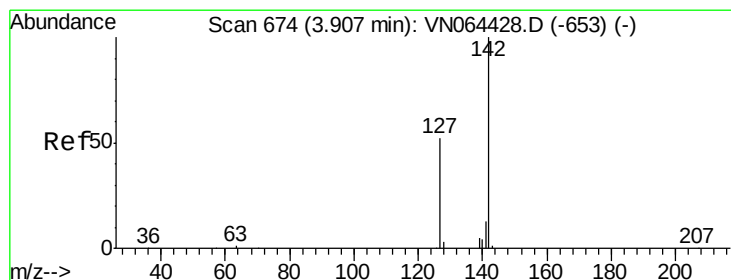
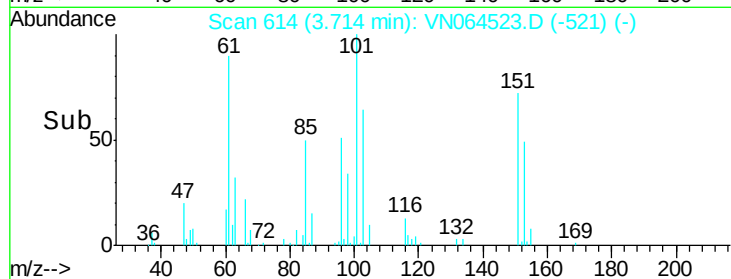
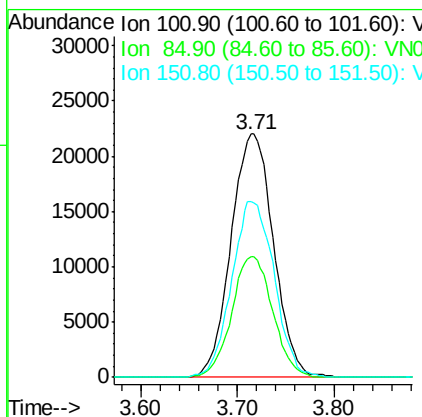
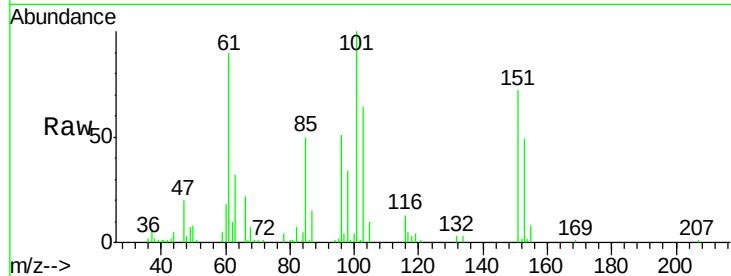
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.554 ug/l
 RT: 3.71 min Scan# 614
 Delta R.T. -0.00 min
 Lab File: VN064523.D
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	66959		
85	48.1		38.6	57.8
151	72.5		57.5	86.3

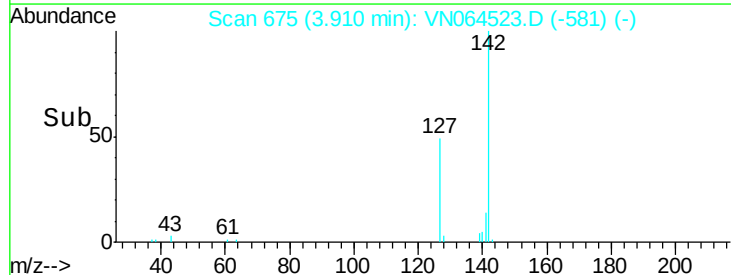
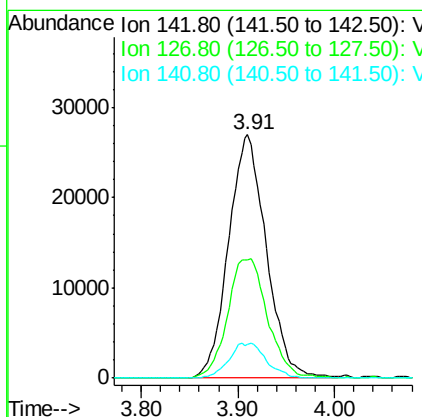
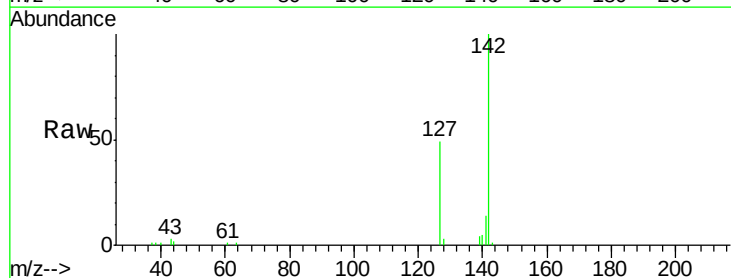
Manual Integrations
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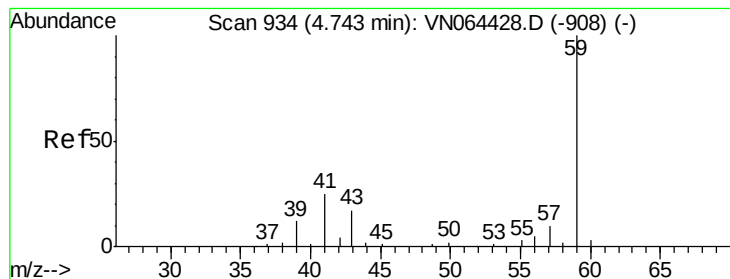
MMDadoda
 11/11/2020 1:01:28 PM



#10
 Methyl Iodide
 Concen: 18.355 ug/l
 RT: 3.91 min Scan# 675
 Delta R.T. 0.00 min
 Lab File: VN064523.D
 Acq: 10 Nov 2020 14:11

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	73035		
127	52.0		41.8	62.8
141	6.6		11.4	17.2#





#11

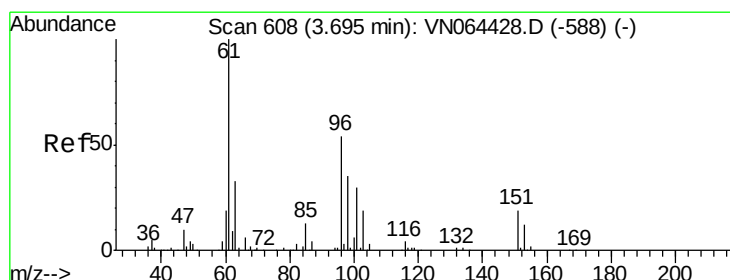
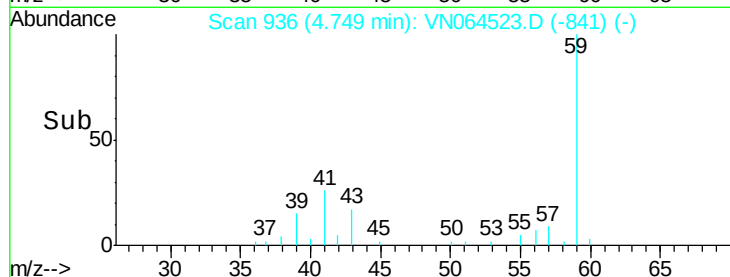
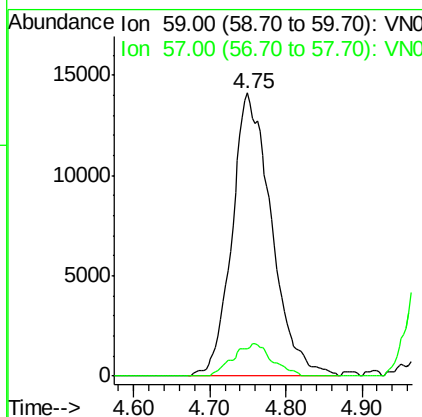
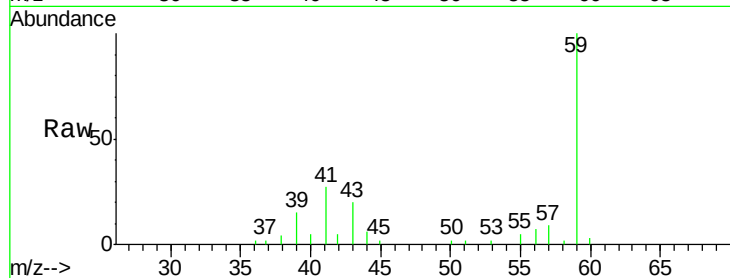
Tert butyl alcohol
 Concen: 87.737 ug/l
 RT: 4.75 min Scan# 936
 Delta R.T. 0.01 min
 Lab File: VN064523.D
 Acq: 10 Nov 2020 14:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1110WBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	4.1	9.0	13.4#

Manual Integrations
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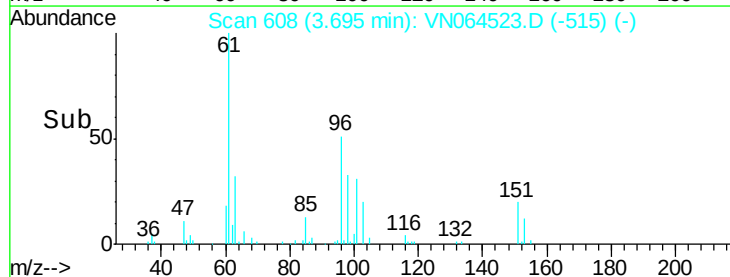
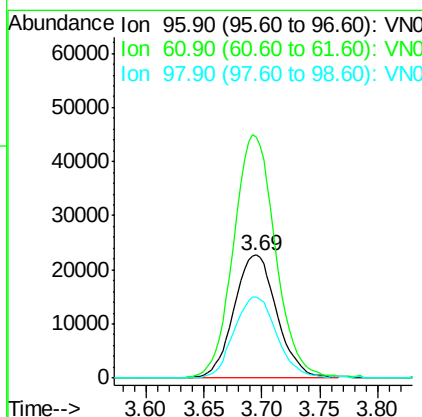
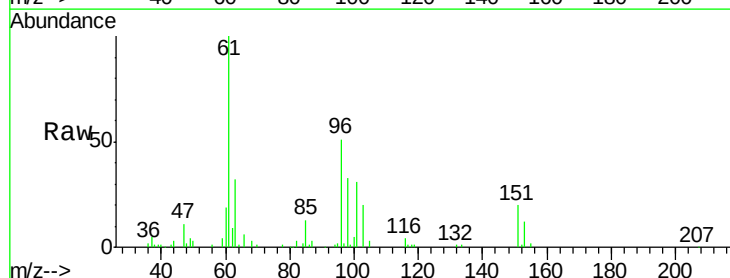
MMDadoda
 11/11/2020 1:01:28 PM

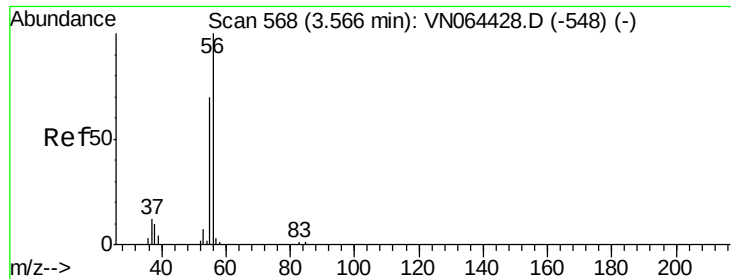


#12

1,1-Dichloroethene
 Concen: 18.242 ug/l
 RT: 3.69 min Scan# 608
 Delta R.T. -0.00 min
 Lab File: VN064523.D
 Acq: 10 Nov 2020 14:11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	195.4	149.5	224.3
98	65.7	52.4	78.6





#13

Acrolein

Concen: 92.279 ug/l

RT: 3.57 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN064523.D

Acq: 10 Nov 2020 14:11

Instrument :

MSVOA_N

ClientSampleId :

VN1110WBS02

Tot Ion: 56 Resp: 33162

Ion Ratio Lower Upper

56 100

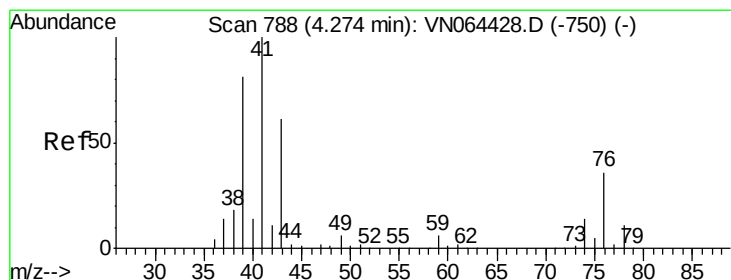
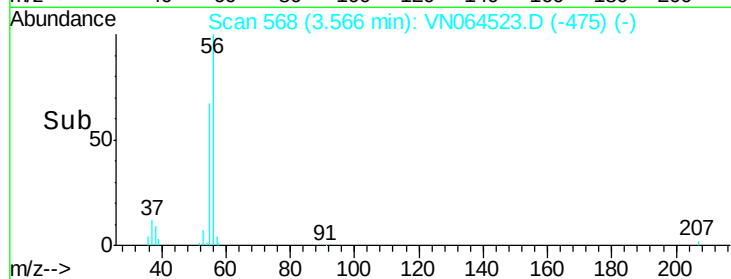
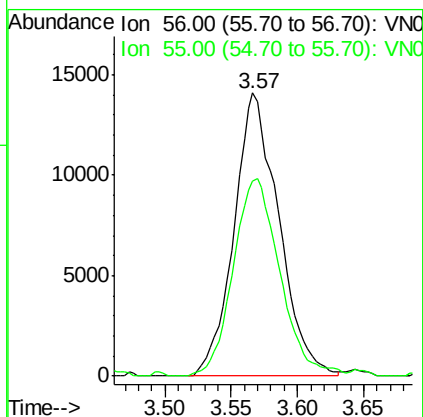
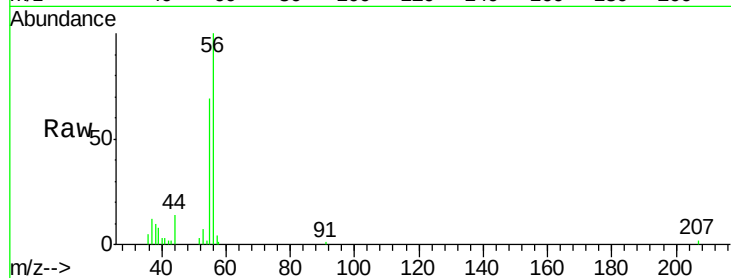
55 72.7 55.9 83.9

Manual Integrations

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#14

Allyl chloride

Concen: 17.553 ug/l

RT: 4.28 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN064523.D

Acq: 10 Nov 2020 14:11

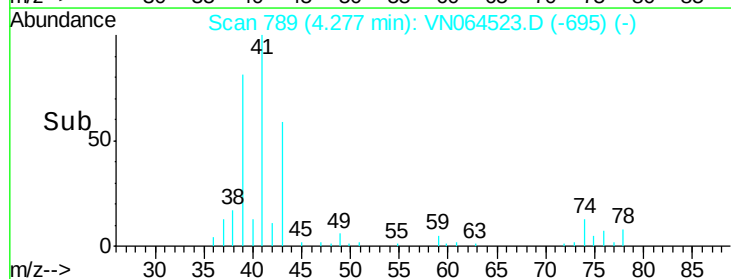
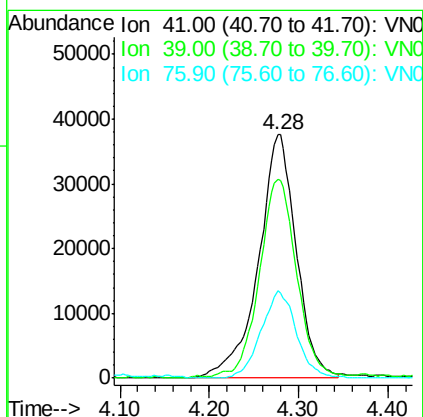
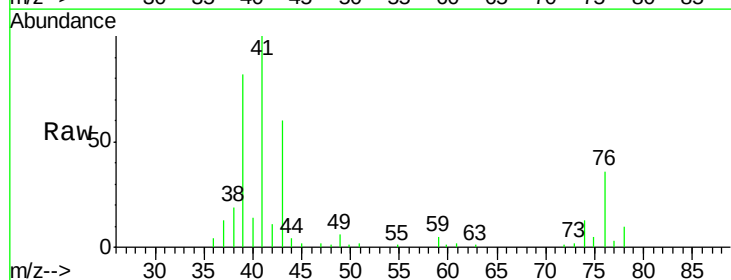
Tgt Ion: 41 Resp: 110760

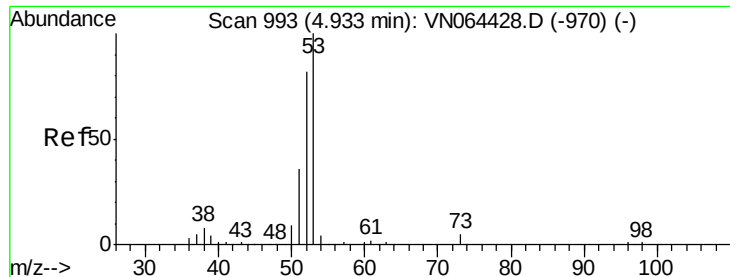
Ion Ratio Lower Upper

41 100

39 78.1 61.8 92.8

76 33.5 25.4 38.0





#15

Acrylonitrile

Concen: 98.595 ug/l

RT: 4.94 min Scan# 996

Delta R.T. 0.01 min

Lab File: VN064523.D

Acq: 10 Nov 2020 14:11

Instrument :

MSVOA_N

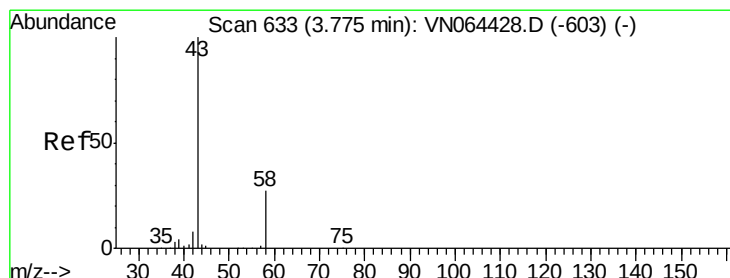
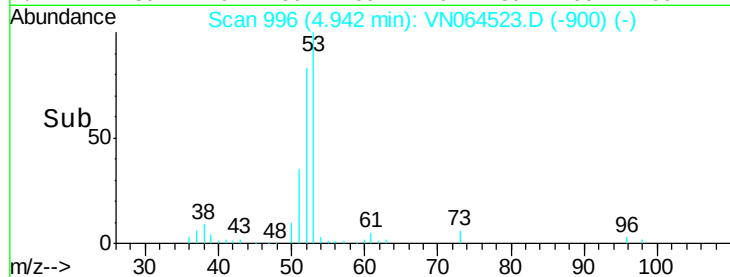
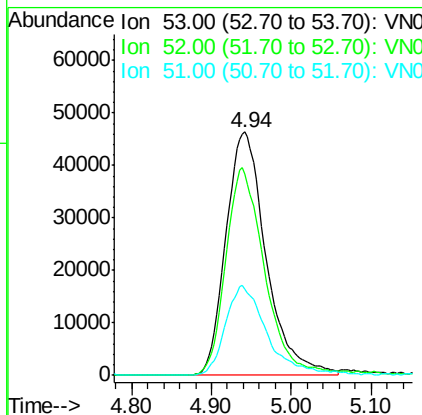
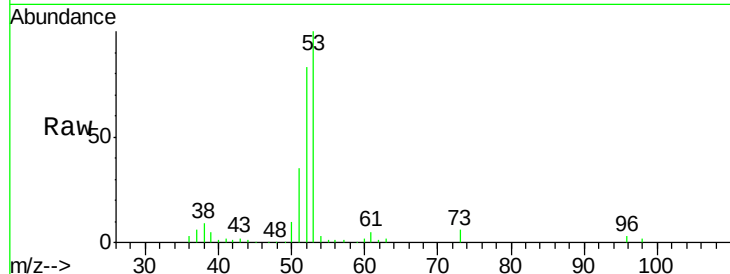
ClientSampleId :

VN1110WBS02

Tot Ion:	53	Resp:	159034
Ion	Ratio	Lower	Upper
53	100		
52	82.0	65.6	98.4
51	37.4	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 91.868 ug/l

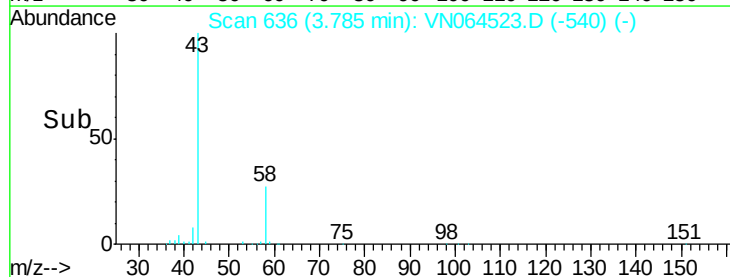
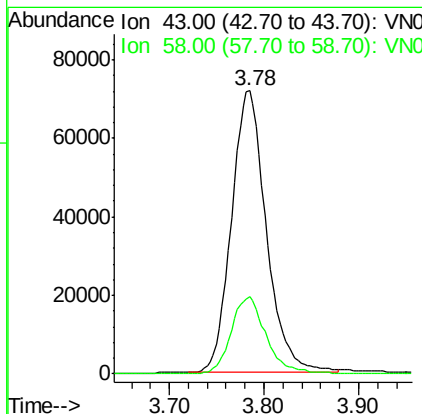
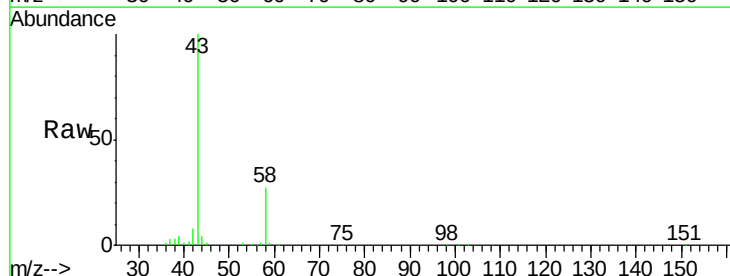
RT: 3.78 min Scan# 636

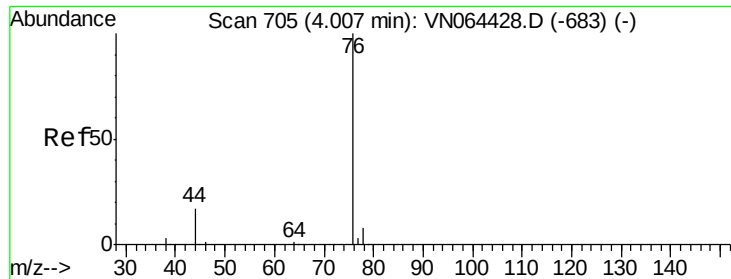
Delta R.T. 0.01 min

Lab File: VN064523.D

Acq: 10 Nov 2020 14:11

Tgt Ion:	43	Resp:	183844
Ion	Ratio	Lower	Upper
43	100		
58	27.2	21.4	32.0





#17

Carbon Disulfide

Concen: 18.315 ug/l

RT: 4.01 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN064523.D

Acq: 10 Nov 2020 14:11

Instrument :

MSVOA_N

ClientSampleId :

VN1110WBS02

Tot Ion: 76 Resp: 176666

Ion Ratio Lower Upper

76 100

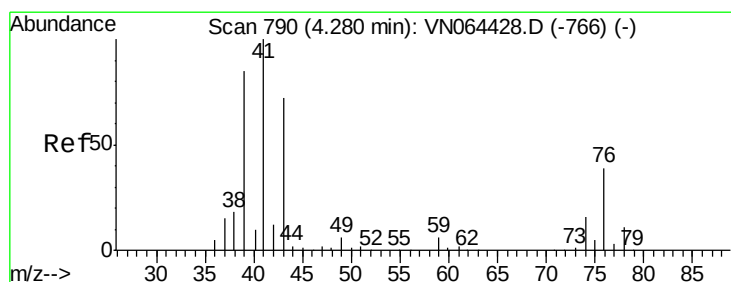
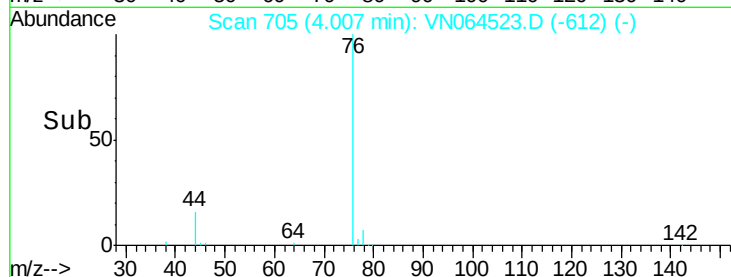
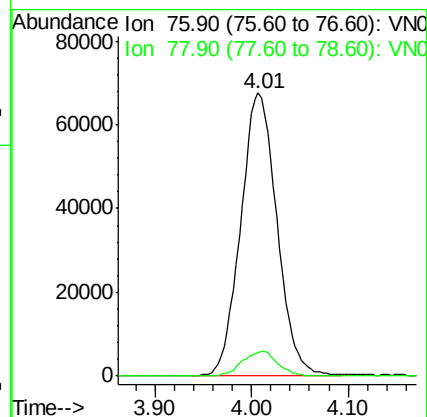
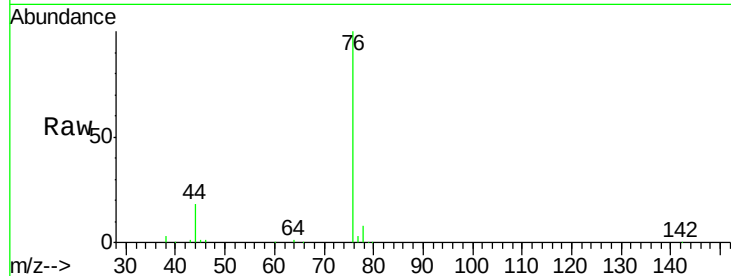
78 8.3 6.8 10.2

Manual Integrations

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#18

Methyl Acetate

Concen: 18.696 ug/l

RT: 4.29 min Scan# 792

Delta R.T. 0.01 min

Lab File: VN064523.D

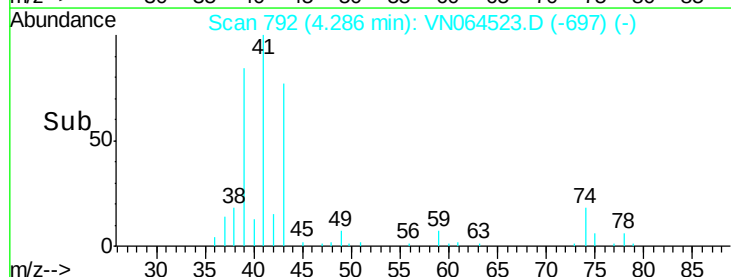
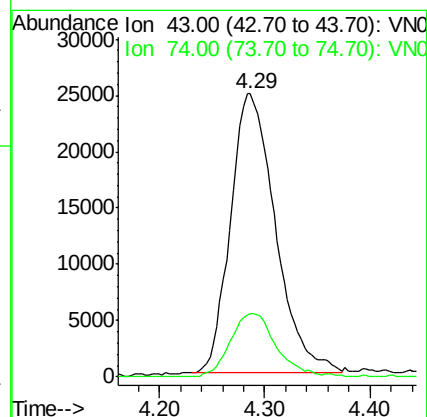
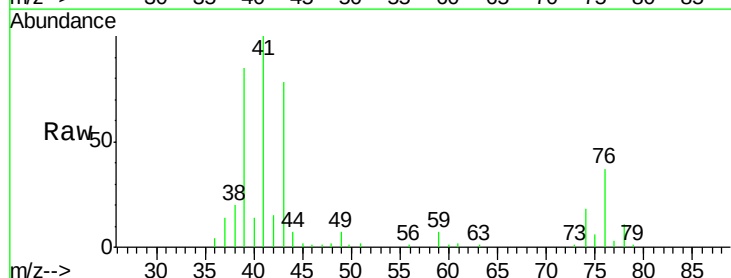
Acq: 10 Nov 2020 14:11

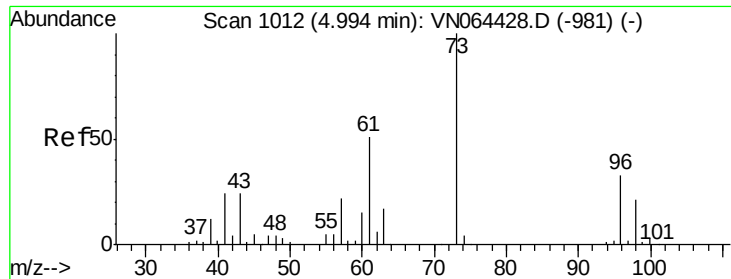
Tgt Ion: 43 Resp: 73555

Ion Ratio Lower Upper

43 100

74 22.8 17.0 25.4





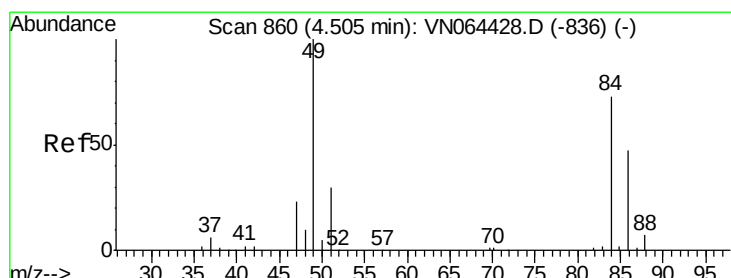
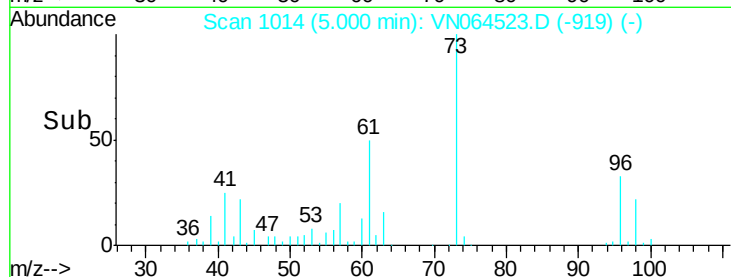
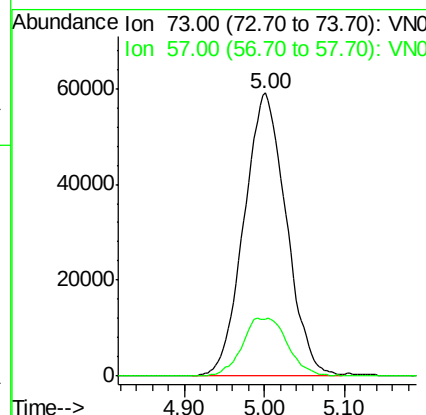
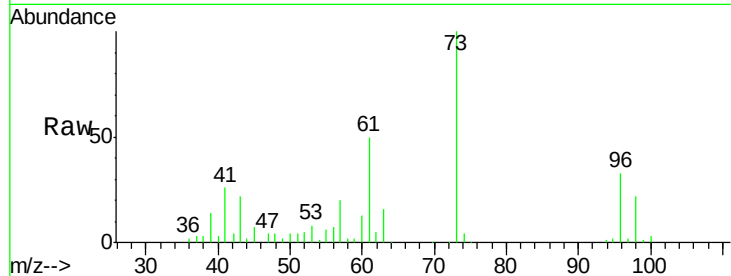
#19
Methyl tert-butyl Ether
Concen: 18.298 ug/l
RT: 5.00 min Scan# 1014
Delta R.T. 0.01 min
Lab File: VN064523.D
Acq: 10 Nov 2020 14:11

Instrument :
MSVOA_N
ClientSampleId :
VN1110WBS02

Tot Ion: 73 Resp: 212422
Ion Ratio Lower Upper
73 100
57 20.0 17.7 26.5

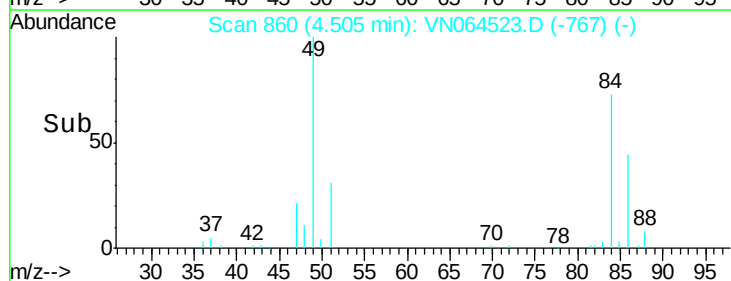
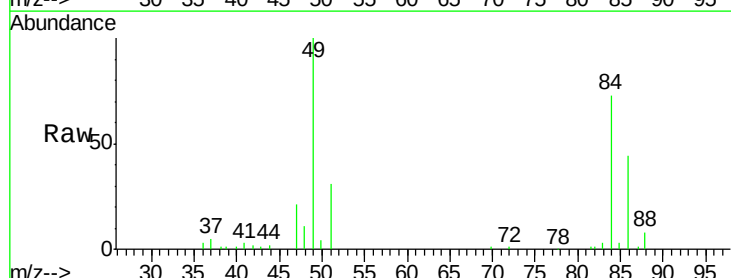
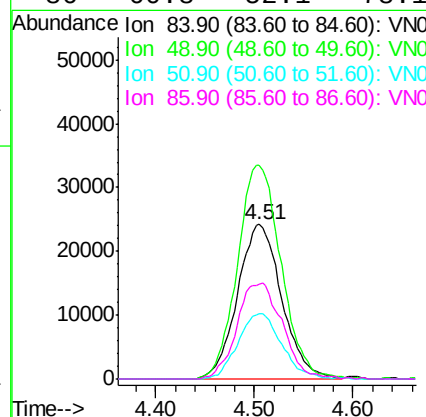
Manual Integrations
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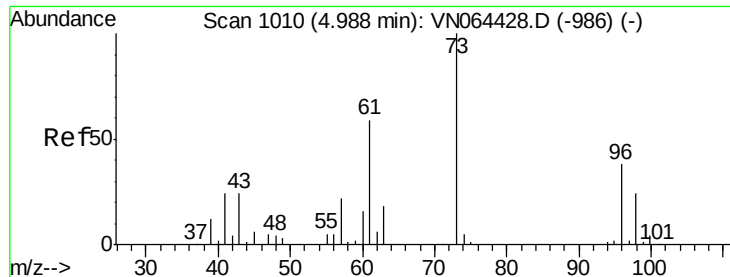
MMDadoda
11/11/2020 1:01:28 PM



#20
Methylene Chloride
Concen: 18.998 ug/l
RT: 4.51 min Scan# 860
Delta R.T. -0.00 min
Lab File: VN064523.D
Acq: 10 Nov 2020 14:11

Tgt Ion: 84 Resp: 75433
Ion Ratio Lower Upper
84 100
49 137.8 110.1 165.1
51 42.1 33.6 50.4
86 60.8 52.1 78.1





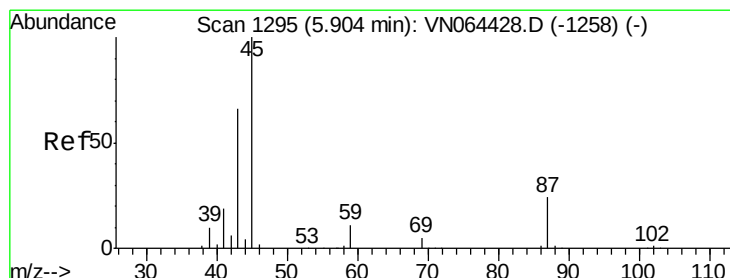
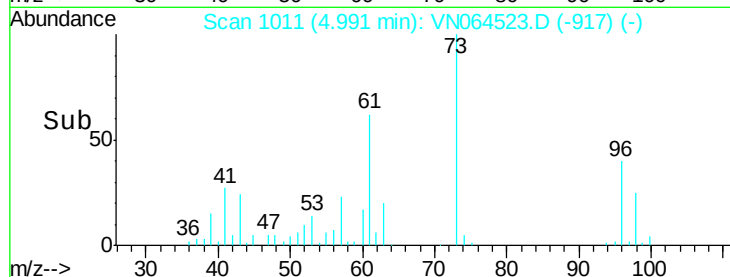
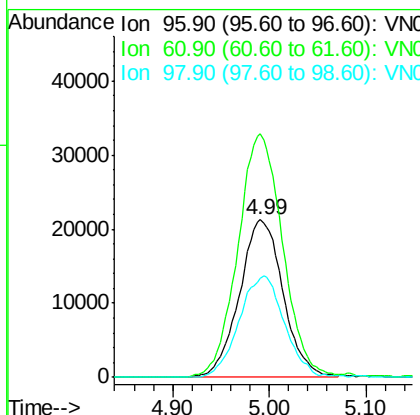
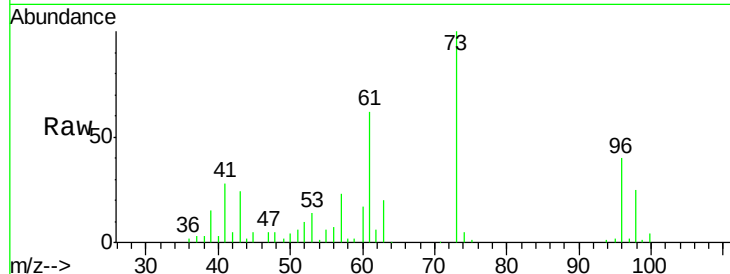
#21
trans-1,2-Dichloroethene
Concen: 18.190 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN064523.D
Acq: 10 Nov 2020 14:11

Instrument :
MSVOA_N
ClientSampleId :
VN1110WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	154.5	122.4	183.6
98	62.7	50.4	75.6

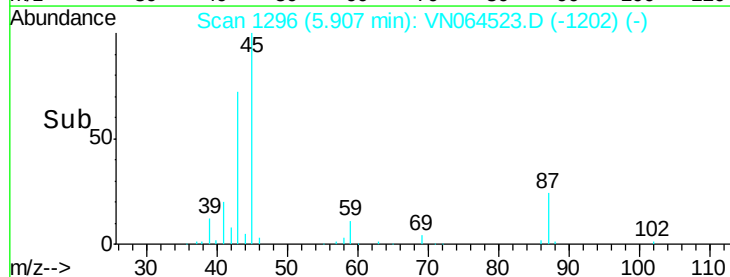
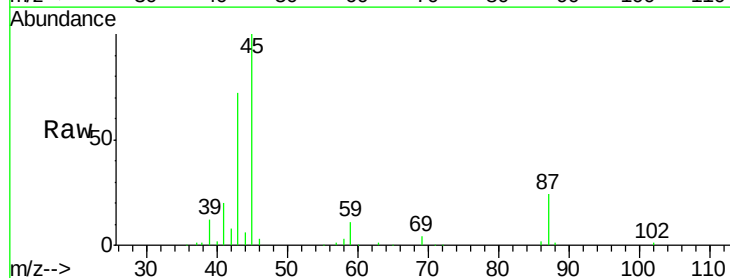
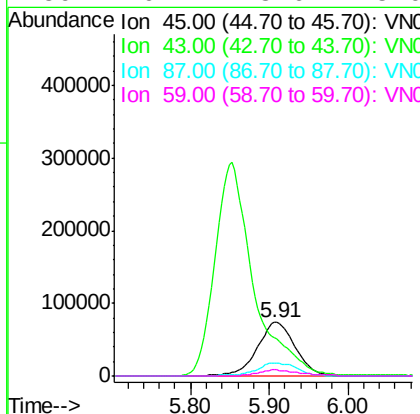
Manual Integrations
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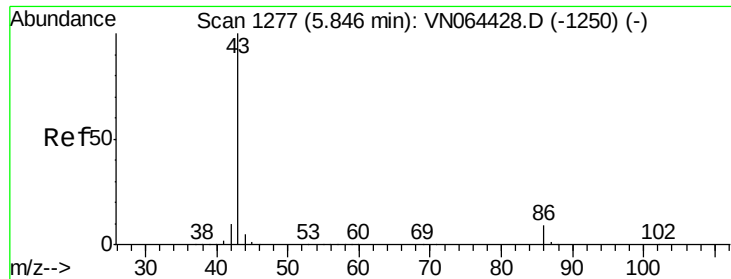
MMDadoda
11/11/2020 1:01:28 PM



#22
Diisopropyl ether
Concen: 18.657 ug/l
RT: 5.91 min Scan# 1296
Delta R.T. 0.00 min
Lab File: VN064523.D
Acq: 10 Nov 2020 14:11

Tgt Ion	Ratio	Lower	Upper
45	100		
43	68.7	53.2	79.8
87	23.2	19.9	29.9
59	10.4	8.6	13.0





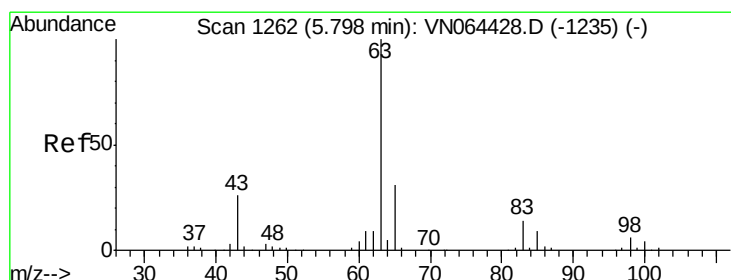
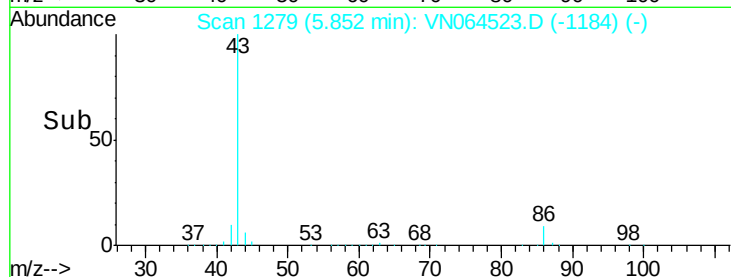
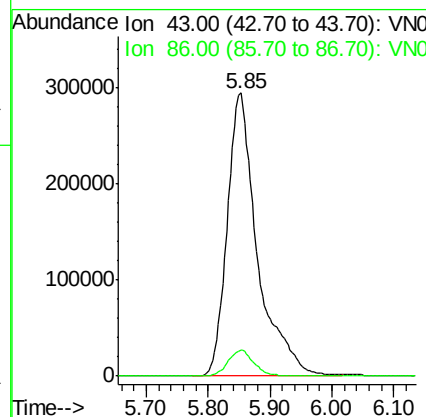
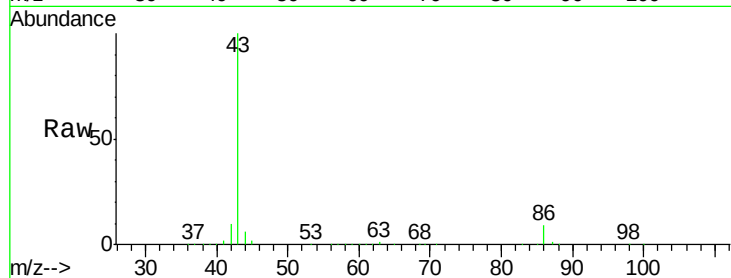
#23
 Vinyl Acetate
 Concen: 91.748 ug/l
 RT: 5.85 min Scan# 1279
 Delta R.T. 0.01 min
 Lab File: VN064523.D
 Acq: 10 Nov 2020 14:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1110WBS02

Tot Ion	43	Resp	999722
Ion Ratio	100	Lower	Upper
43	100		
86	9.1	6.8	10.2

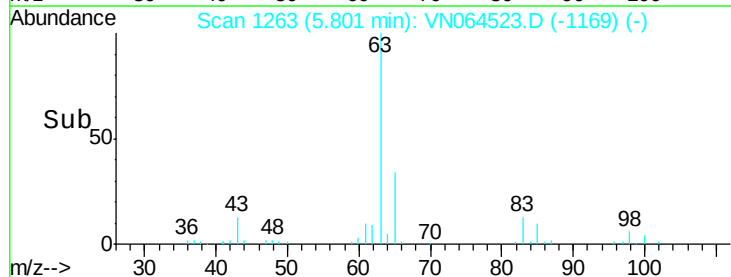
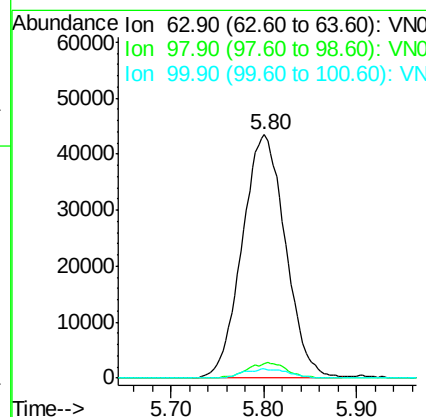
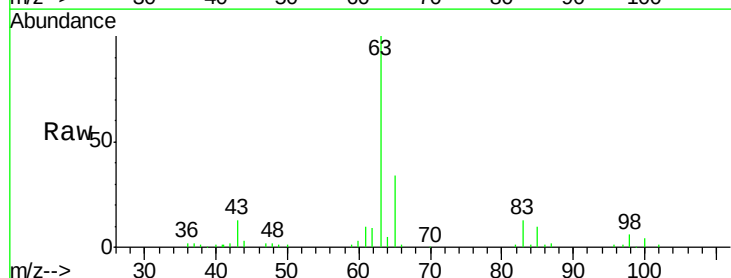
Manual Integrations
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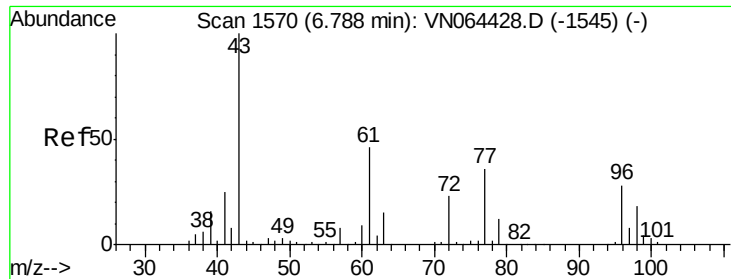
MMDadoda
 11/11/2020 1:01:28 PM



#24
 1,1-Dichloroethane
 Concen: 19.145 ug/l
 RT: 5.80 min Scan# 1263
 Delta R.T. 0.00 min
 Lab File: VN064523.D
 Acq: 10 Nov 2020 14:11

Tgt Ion	63	Resp	140910
Ion Ratio	100	Lower	Upper
63	100		
98	6.2	3.0	9.2
100	3.7	1.8	5.3





#25

2-Butanone

Concen: 92.793 ug/l

RT: 6.79 min Scan# 1572

Delta R.T. 0.01 min

Lab File: VN064523.D

Acq: 10 Nov 2020 14:11

Instrument :

MSVOA_N

ClientSampleId :

VN1110WBS02

Tot Ion: 43 Resp: 236601

Ion Ratio Lower Upper

43 100

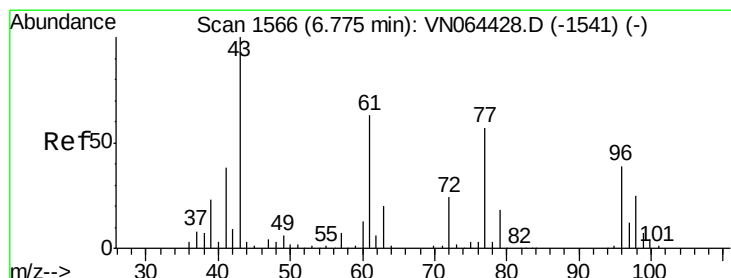
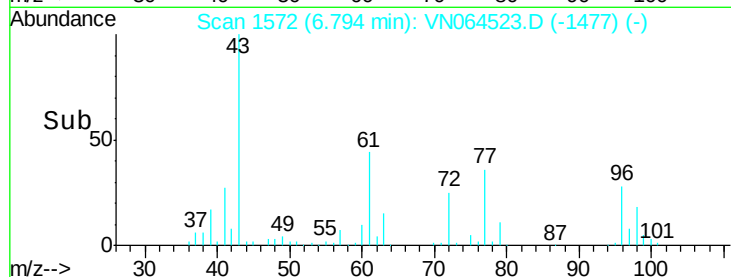
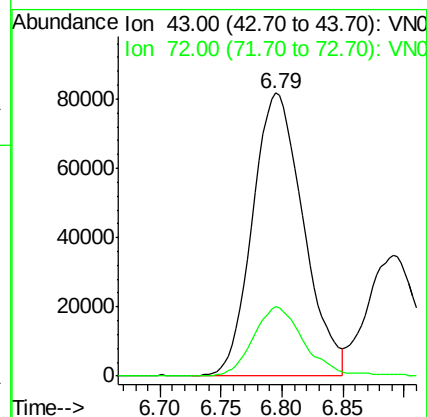
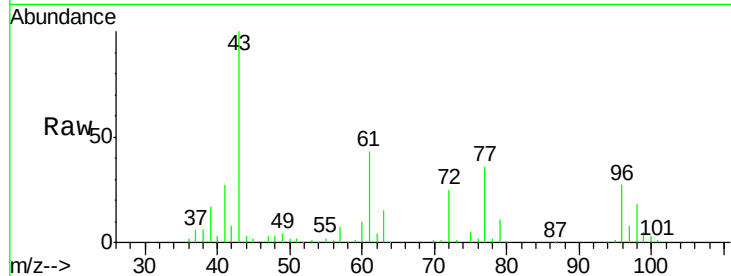
72 24.7 18.5 27.7

Manual Integrations

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MMDadoda

11/11/2020 1:01:28 PM



#26

2,2-Dichloropropane

Concen: 19.191 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.01 min

Lab File: VN064523.D

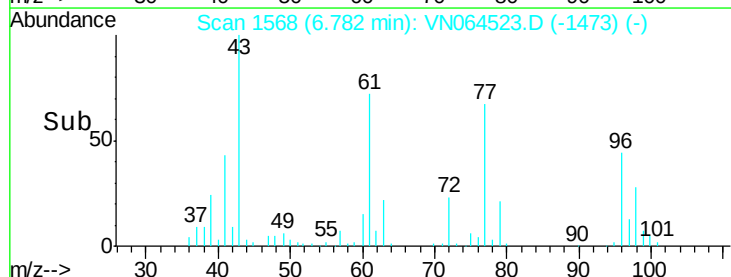
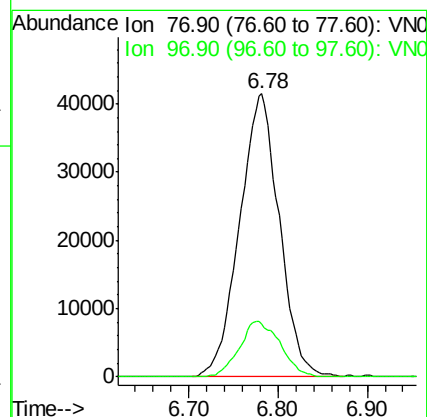
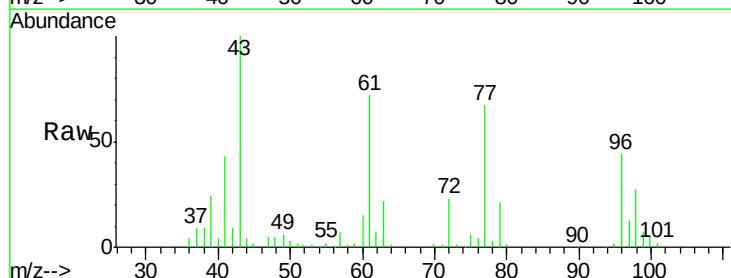
Acq: 10 Nov 2020 14:11

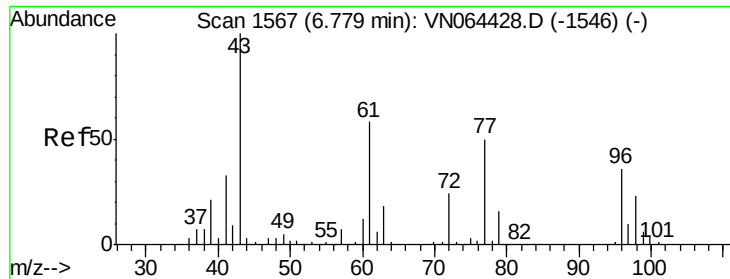
Tgt Ion: 77 Resp: 127867

Ion Ratio Lower Upper

77 100

97 20.3 10.2 30.6





#27

cis-1,2-Dichloroethene

Concen: 18.482 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN064523.D

Acq: 10 Nov 2020 14:11

Instrument :

MSVOA_N

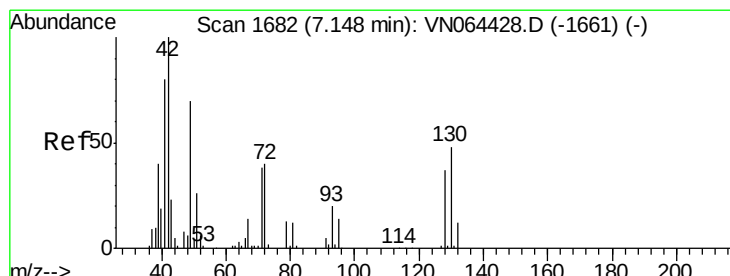
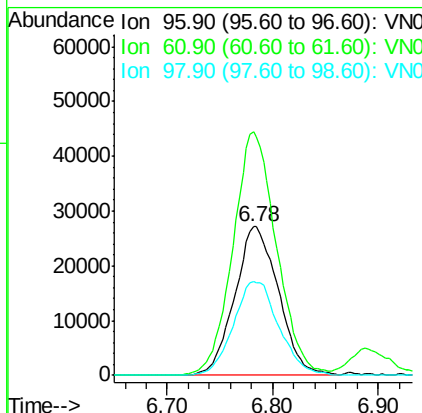
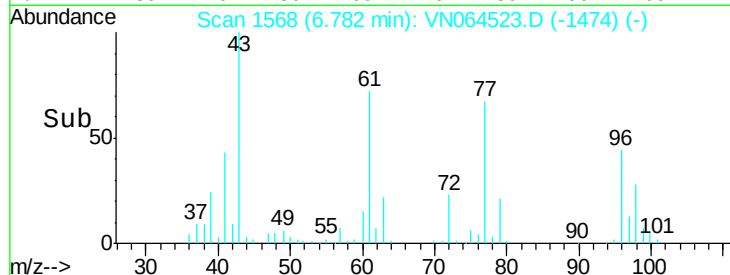
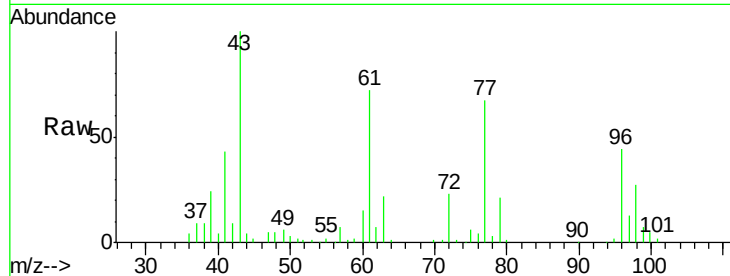
ClientSampleId :

VN1110WBS02

Tot Ion:	96	Resp:	78437
Ion	Ratio	Lower	Upper
96	100		
61	162.5	0.0	329.6
98	65.3	0.0	131.2

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#28

Bromochloromethane

Concen: 18.672 ug/l

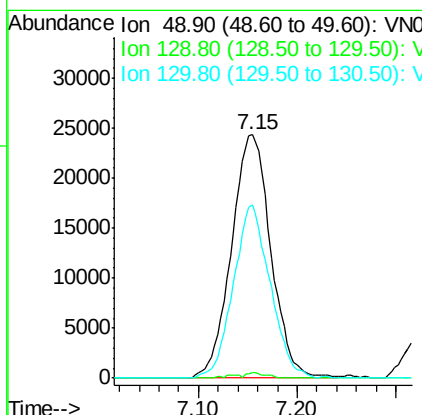
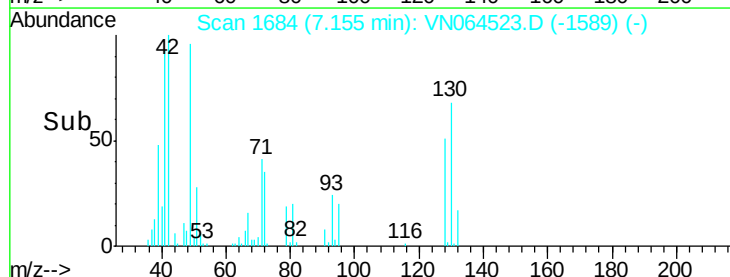
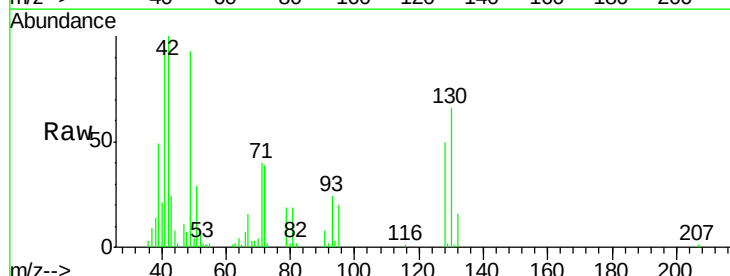
RT: 7.15 min Scan# 1684

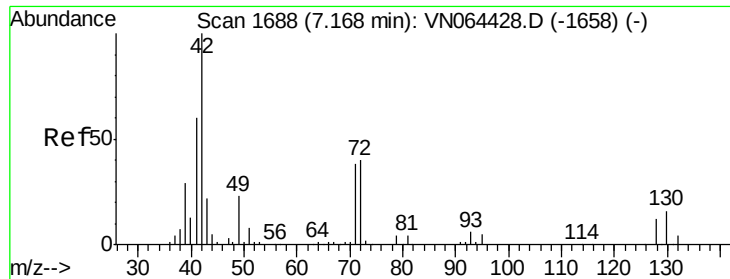
Delta R.T. 0.01 min

Lab File: VN064523.D

Acq: 10 Nov 2020 14:11

Tgt Ion:	49	Resp:	67551
Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	3.6
130	66.4	54.2	81.4





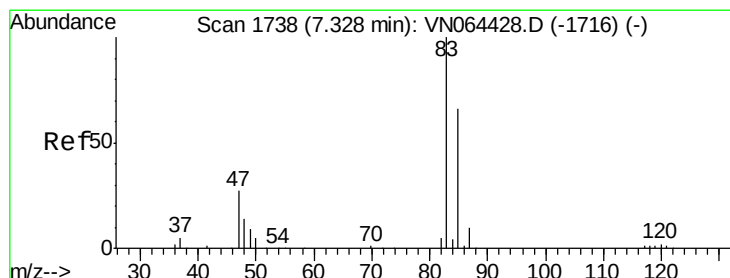
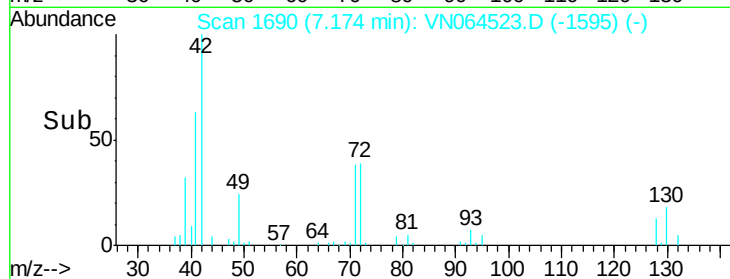
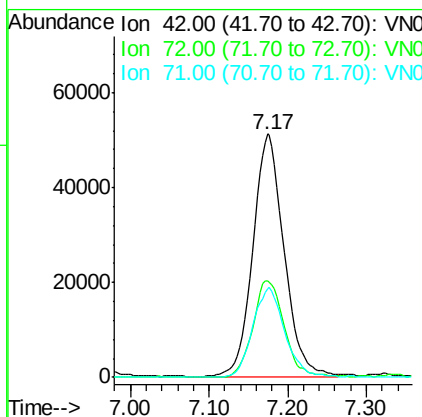
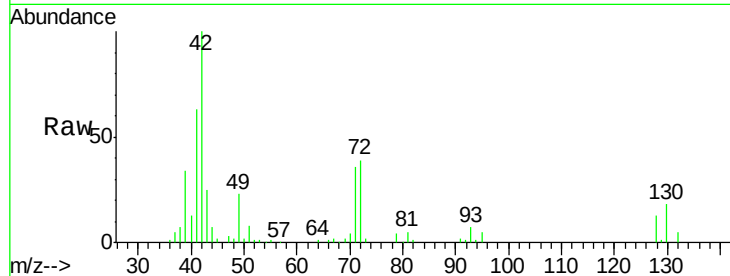
#29
Tetrahydrofuran
Concen: 92.949 ug/l
RT: 7.17 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VN064523.D
Acq: 10 Nov 2020 14:11

Instrument :
MSVOA_N
ClientSampleId :
VN1110WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.7	31.7	47.5
71	37.4	29.8	44.6

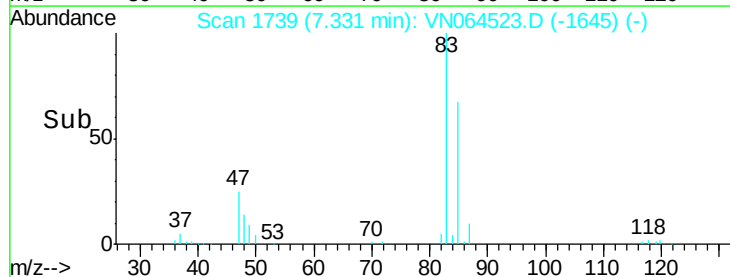
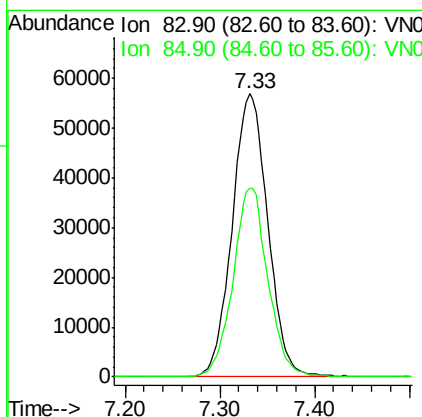
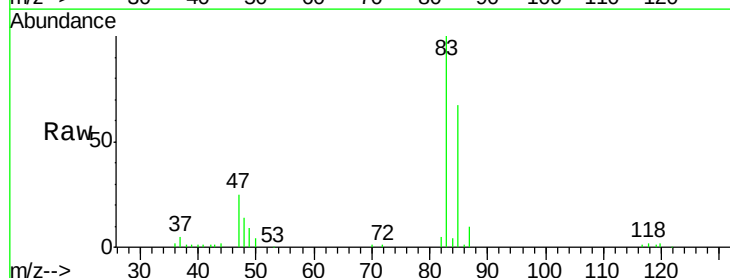
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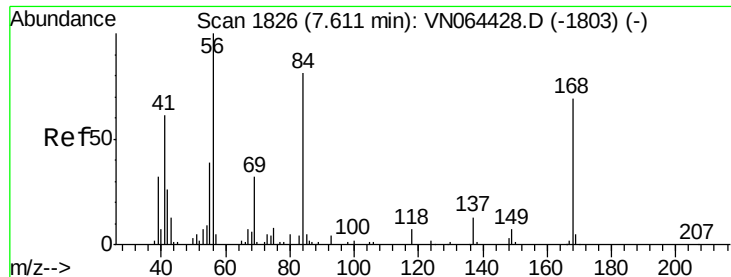
MMDadoda
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#30
Chloroform
Concen: 19.229 ug/l
RT: 7.33 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VN064523.D
Acq: 10 Nov 2020 14:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.8	52.5	78.7





#31

Cyclohexane

Concen: 17.117 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN064523.D

Acq: 10 Nov 2020 14:11

Instrument :

MSVOA_N

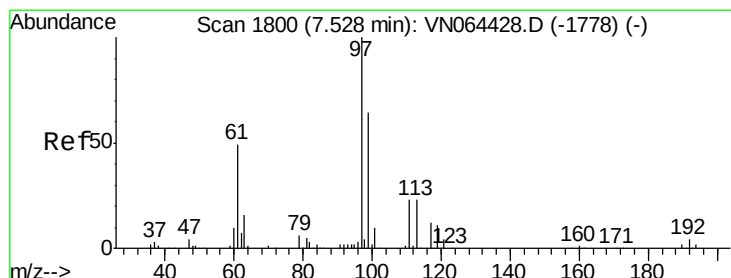
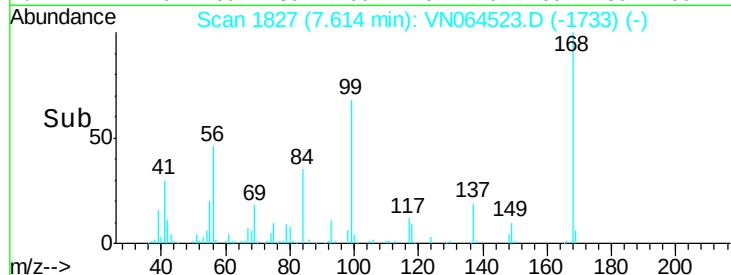
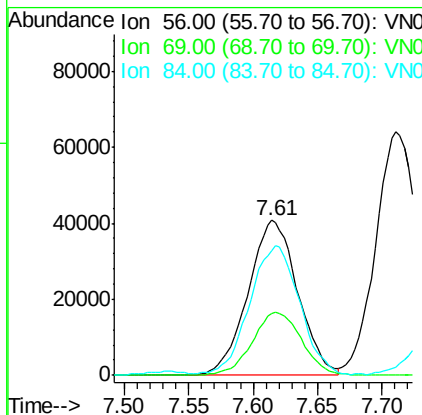
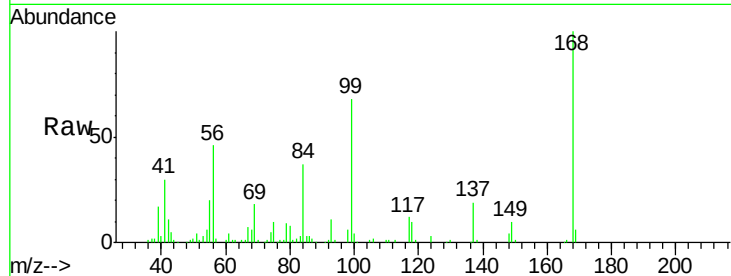
ClientSampleId :

VN1110WBS02

Tot Ion:	56	Resp:	109315
Ion Ratio	Lower	Upper	
56	100		
69	40.1	25.6	38.4#
84	79.2	63.0	94.6

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#32

1,1,1-Trichloroethane

Concen: 19.484 ug/l

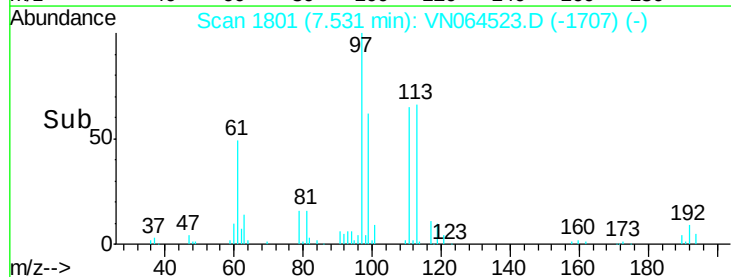
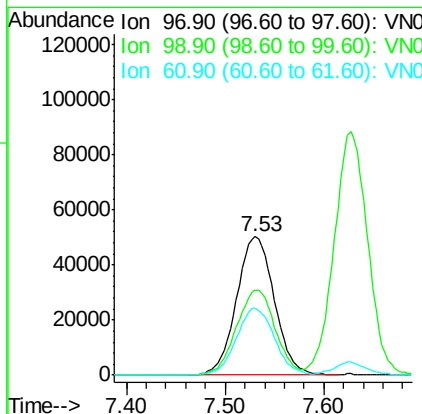
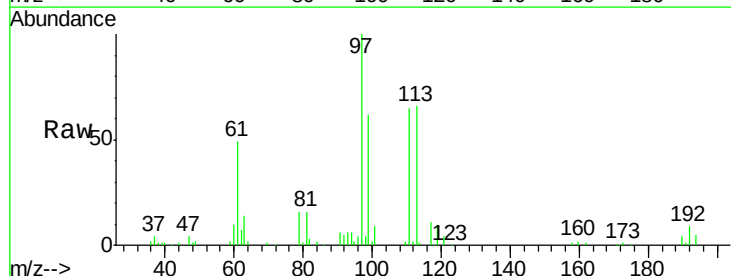
RT: 7.53 min Scan# 1801

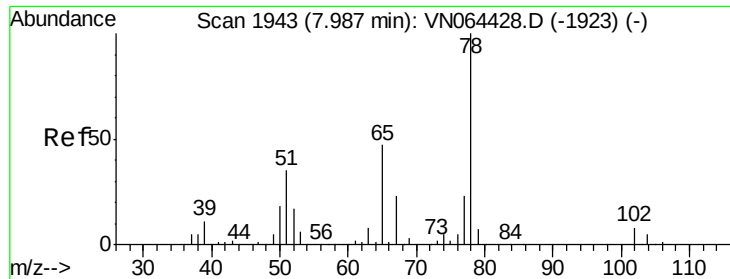
Delta R.T. 0.00 min

Lab File: VN064523.D

Acq: 10 Nov 2020 14:11

Tgt Ion:	97	Resp:	133703
Ion Ratio	Lower	Upper	
97	100		
99	63.1	51.3	76.9
61	48.6	39.1	58.7





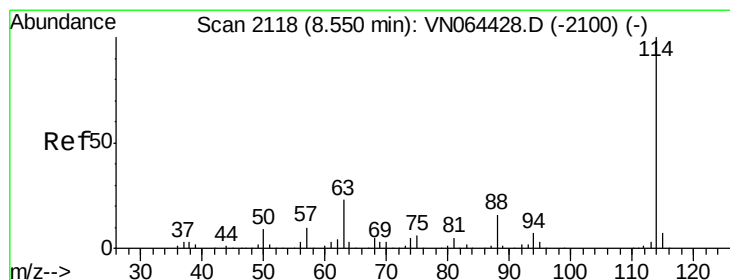
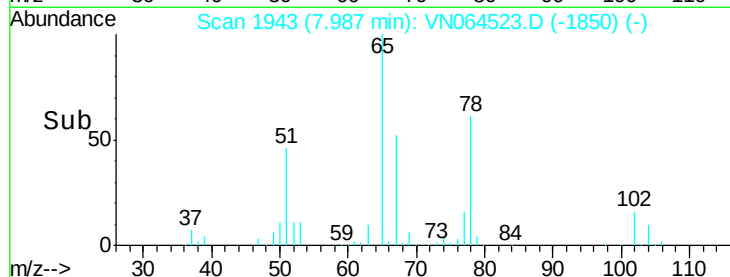
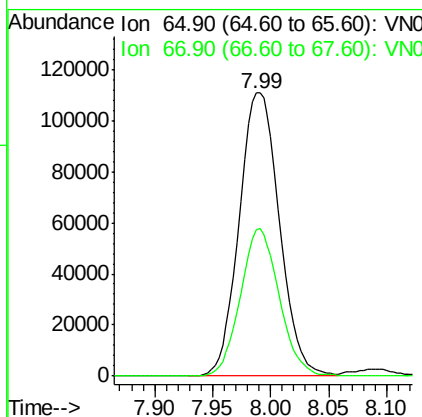
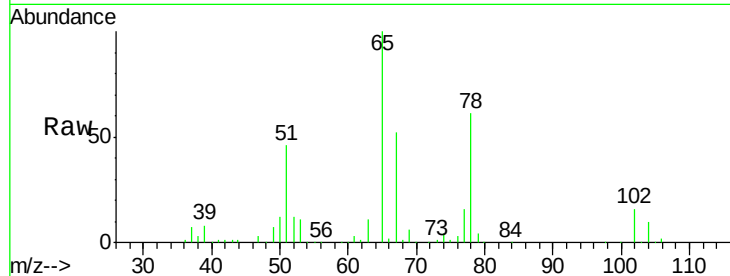
#33
 1,2-Dichloroethane-d4
 Concen: 51.047 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN064523.D
 Acq: 10 Nov 2020 14:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1110WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	268176		
67	50.1	0.0	101.6	

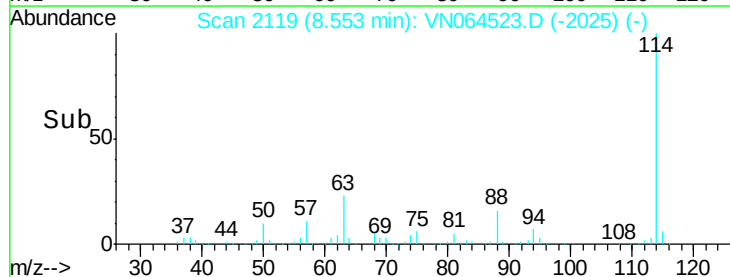
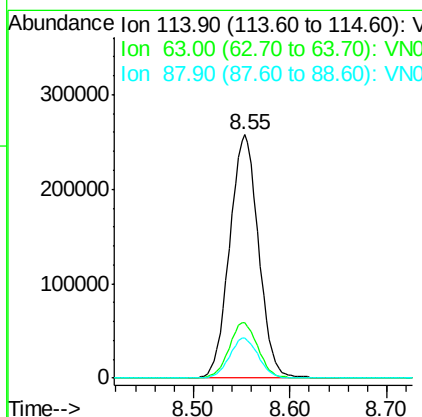
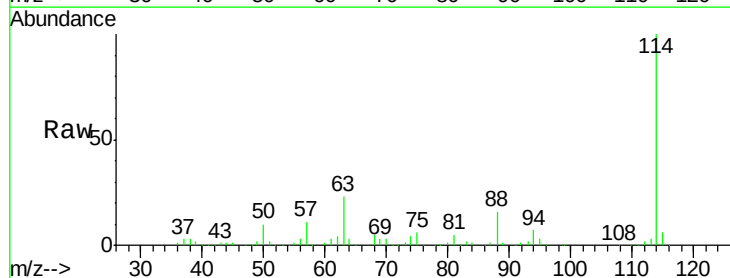
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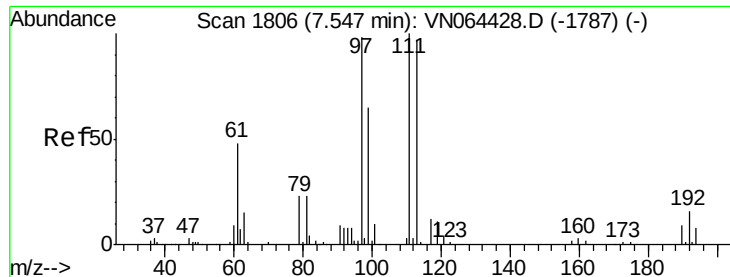
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN064523.D
 Acq: 10 Nov 2020 14:11

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	534338		
63	22.9	0.0	45.6	
88	16.4	0.0	32.8	





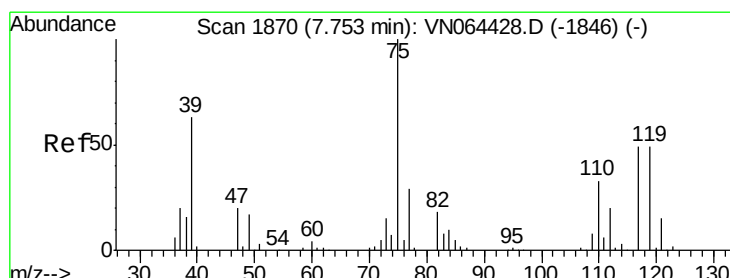
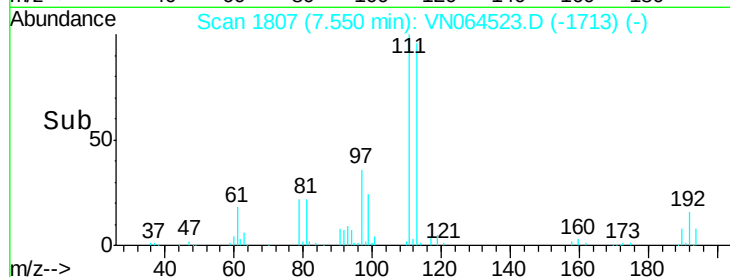
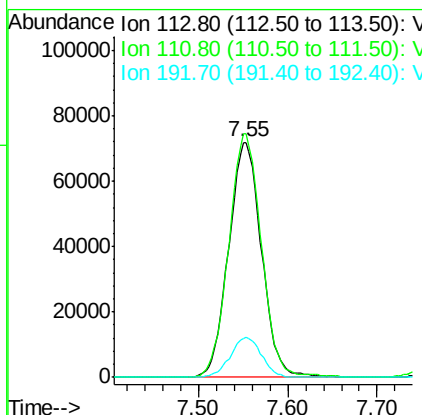
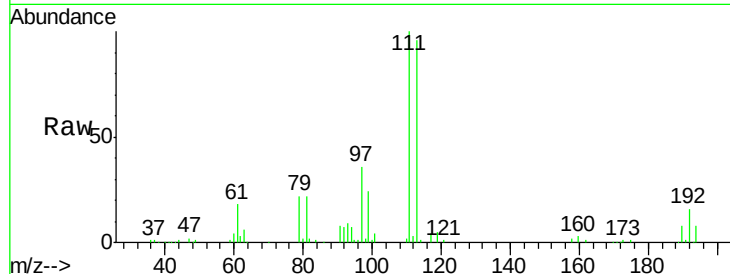
#35
 Dibromofluoromethane
 Concen: 50.477 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064523.D
 Acq: 10 Nov 2020 14:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1110WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	183641		
111	103.1	81.1	121.7	
192	16.1	12.8	19.2	

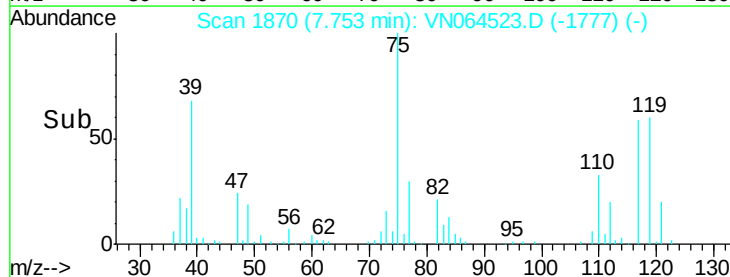
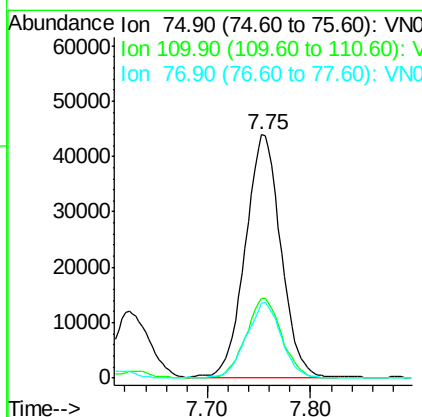
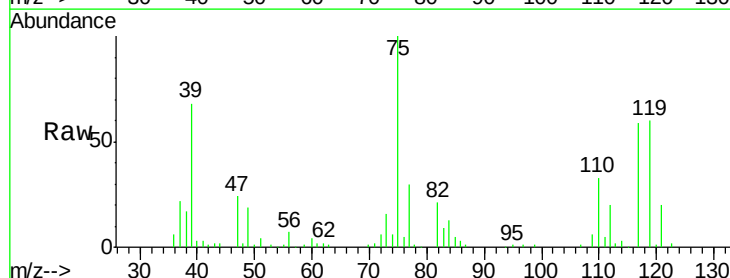
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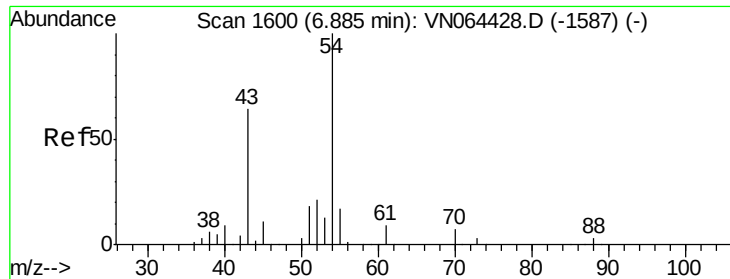
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#36
 1,1-Dichloropropene
 Concen: 18.532 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: VN064523.D
 Acq: 10 Nov 2020 14:11

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	104613		
110	33.3	16.0	48.0	
77	30.9	24.0	36.0	





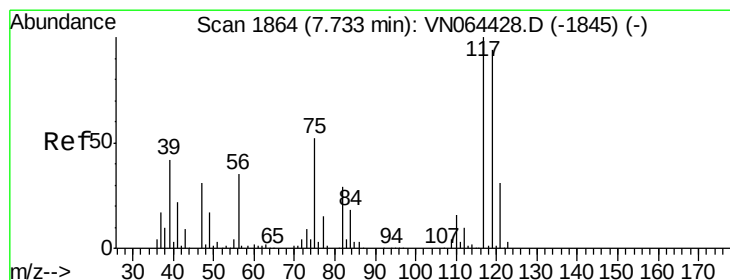
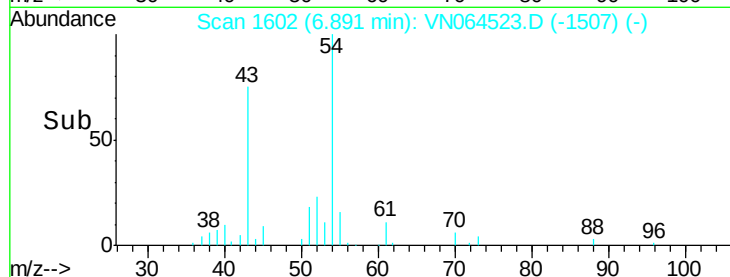
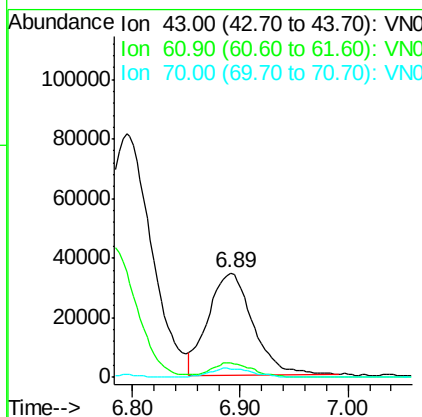
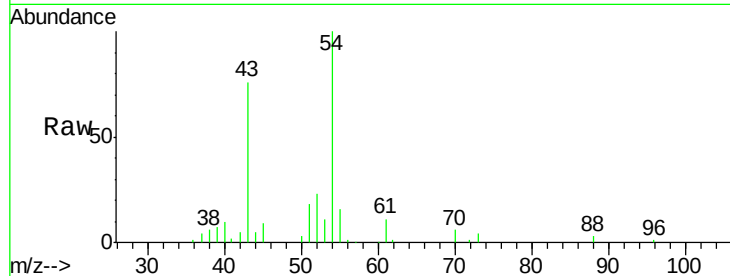
#37
Ethyl Acetate
Concen: 17.769 ug/l
RT: 6.89 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VN064523.D
Acq: 10 Nov 2020 14:11

Instrument :
MSVOA_N
ClientSampleId :
VN1110WBS02

Tot Ion	43	61	70
Resp	98944		
Ratio	100	12.5	8.6
Lower		10.0	7.1
Upper		15.0	10.7

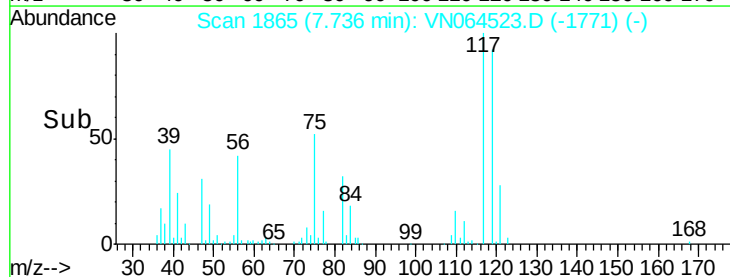
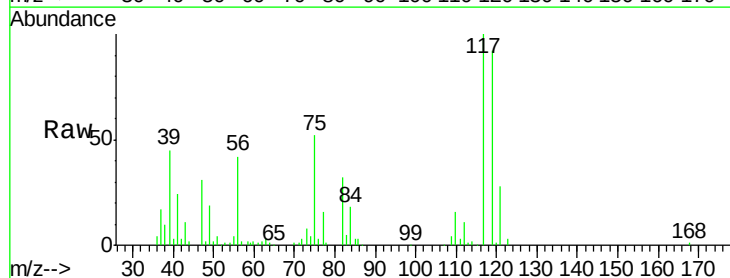
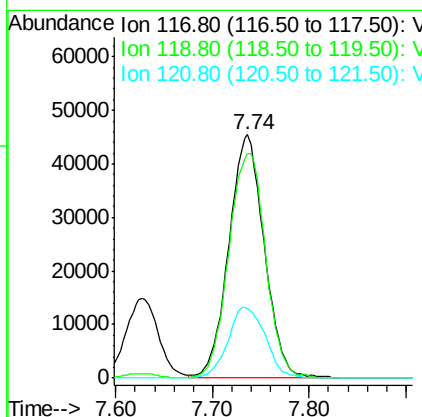
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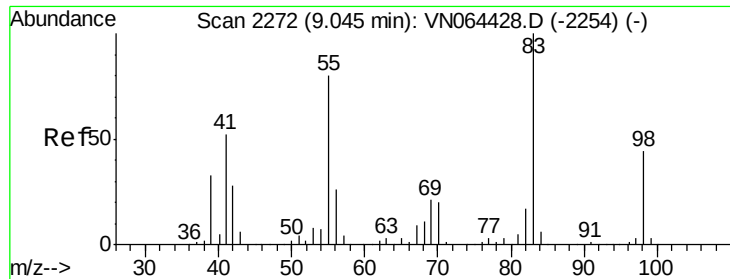
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#38
Carbon Tetrachloride
Concen: 19.194 ug/l
RT: 7.74 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN064523.D
Acq: 10 Nov 2020 14:11

Tgt Ion	117	119	121
Resp	115798		
Ratio	100	92.0	28.5
Lower		75.5	24.4
Upper		113.3	36.6





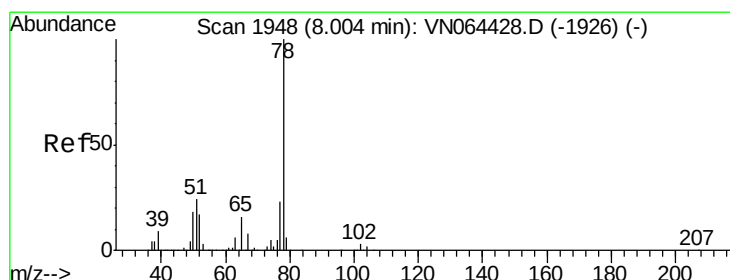
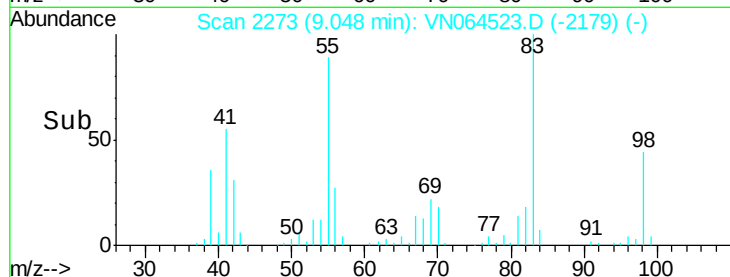
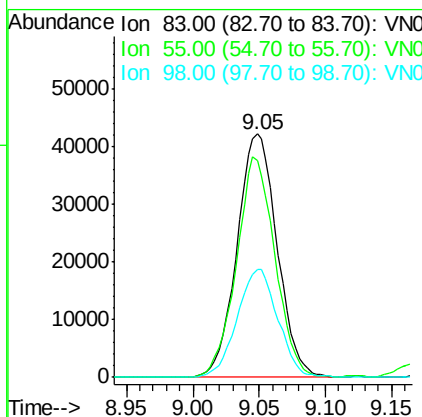
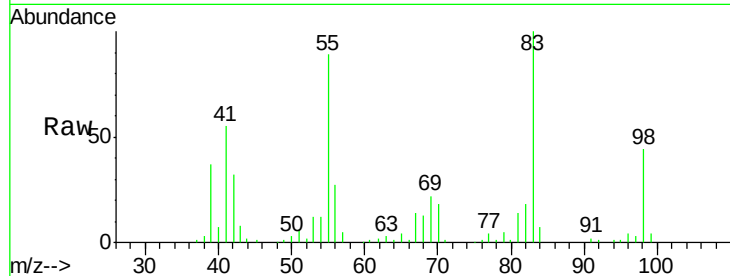
#39
Methylvlcyclohexane
Concen: 17.472 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN064523.D
Acq: 10 Nov 2020 14:11

Instrument :
MSVOA_N
ClientSampleId :
VN1110WBS02

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	89.1	63.8	95.6	
98	44.4	35.4	53.2	

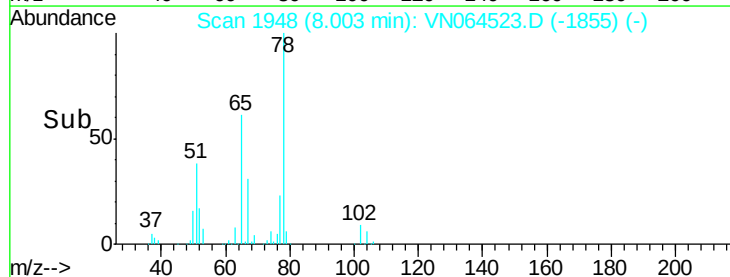
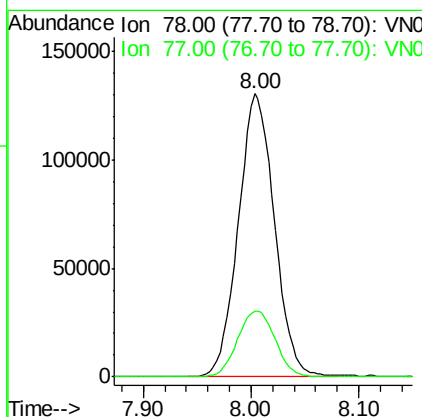
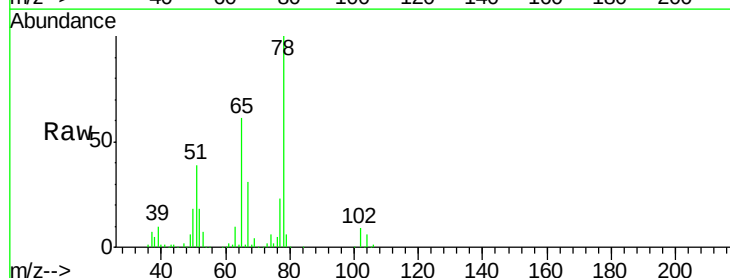
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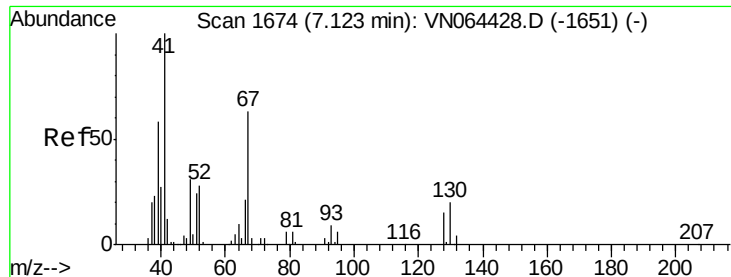
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#40
Benzene
Concen: 18.323 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN064523.D
Acq: 10 Nov 2020 14:11

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.1	18.7	28.1	





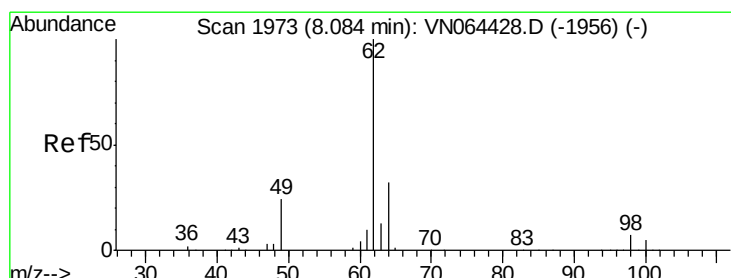
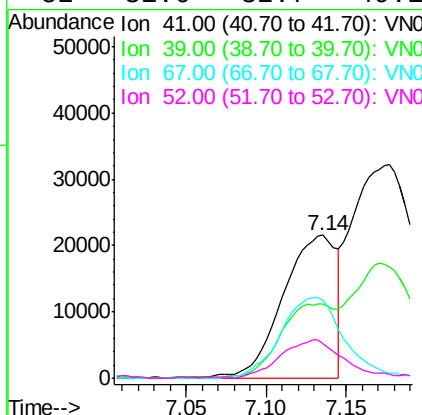
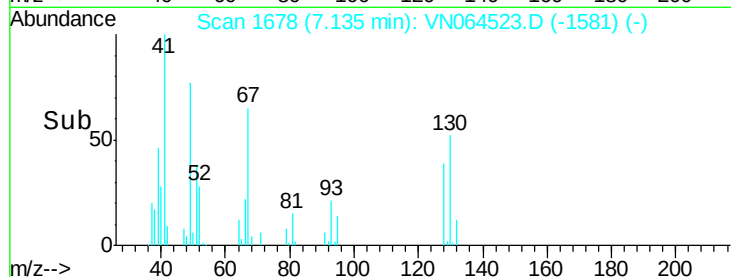
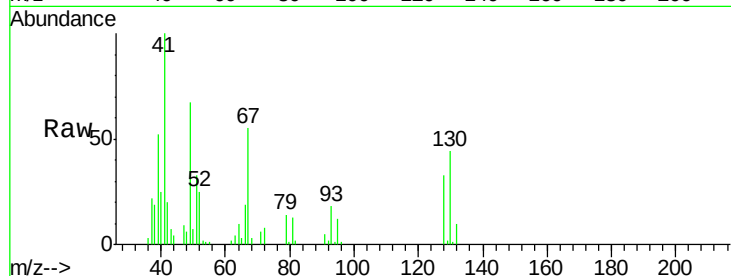
#41
Methacrylonitrile
Concen: 20.137 ug/l
RT: 7.14 min Scan# 1678
Delta R.T. 0.01 min
Lab File: VN064523.D
Acq: 10 Nov 2020 14:11

Instrument :
MSVOA_N
ClientSampleId :
VN1110WBS02

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.2	50.0	75.0	
67	67.6	68.3	102.5#	
52	31.6	32.7	49.1#	

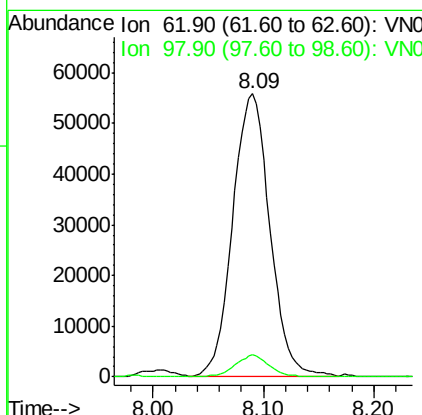
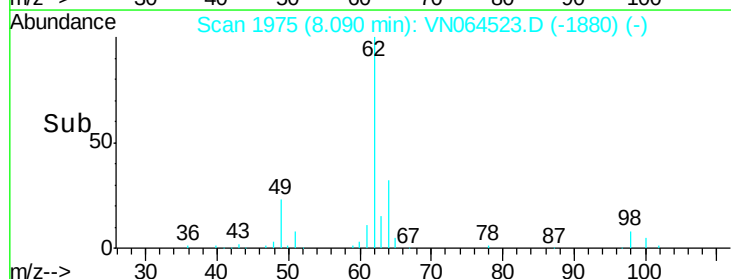
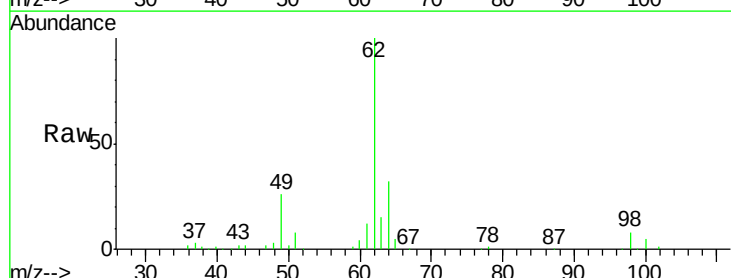
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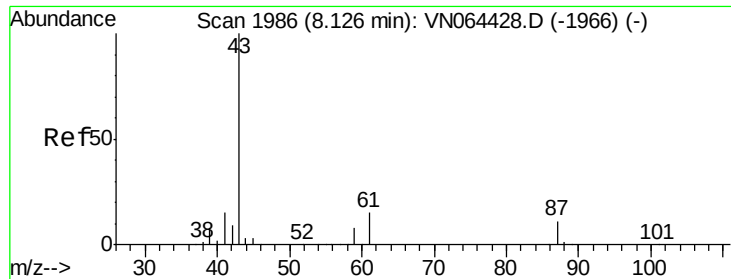
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#42
1,2-Dichloroethane
Concen: 19.397 ug/l
RT: 8.09 min Scan# 1975
Delta R.T. 0.01 min
Lab File: VN064523.D
Acq: 10 Nov 2020 14:11

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.1	0.0	14.0	





#43

Isopropyl Acetate

Concen: 18.101 ug/l

RT: 8.13 min Scan# 1988

Delta R.T. 0.01 min

Lab File: VN064523.D

Acq: 10 Nov 2020 14:11

Instrument :

MSVOA_N

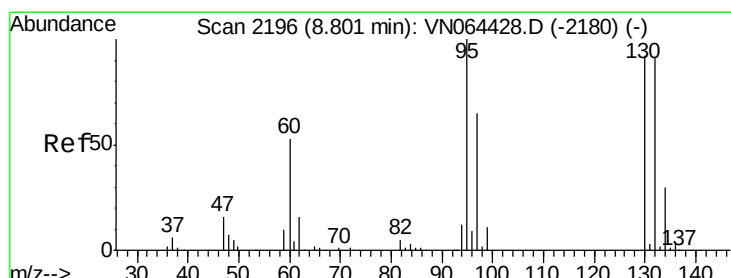
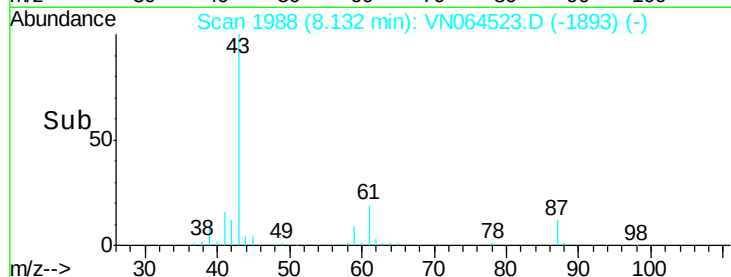
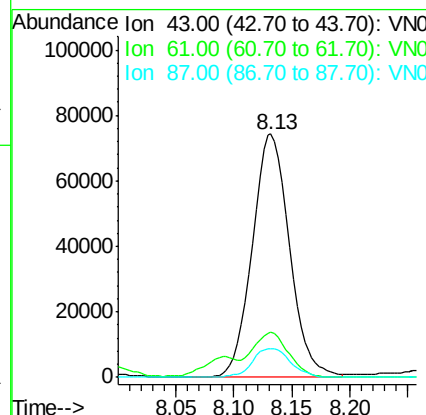
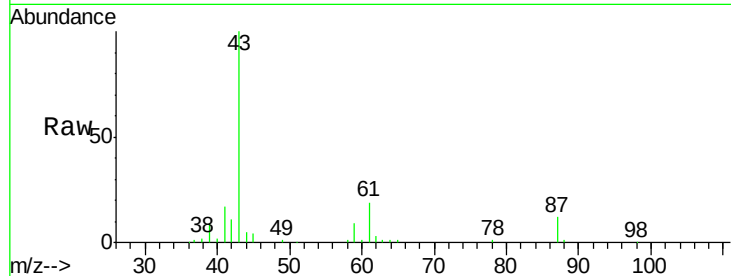
ClientSampleId :

VN1110WBS02

Tot Ion:	43	Resp:	165585
Ion	Ratio	Lower	Upper
43	100		
61	17.4	14.0	21.0
87	12.1	9.1	13.7

Manual Integrations
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#44

Trichloroethene

Concen: 18.093 ug/l

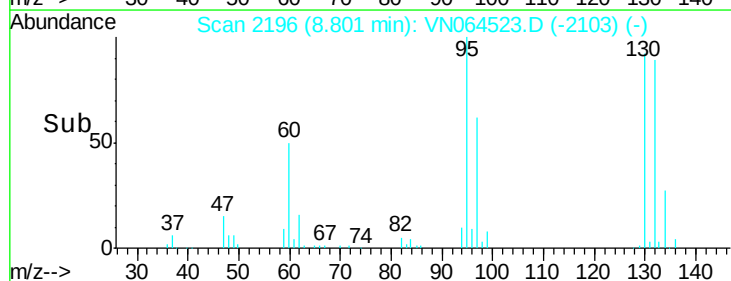
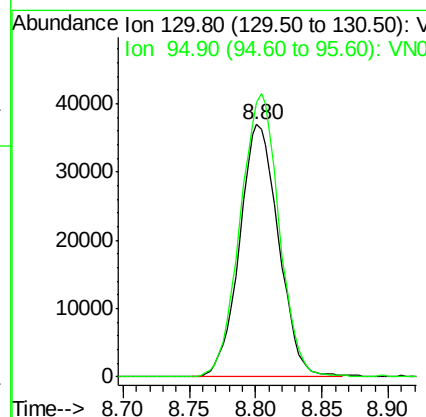
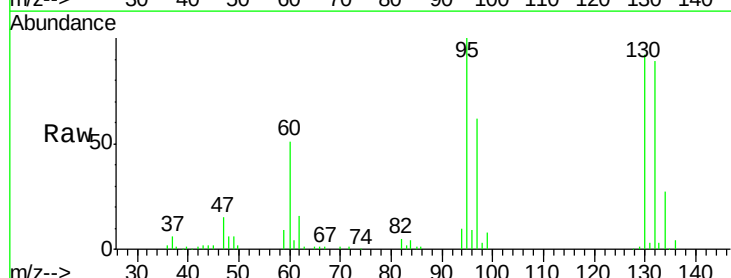
RT: 8.80 min Scan# 2196

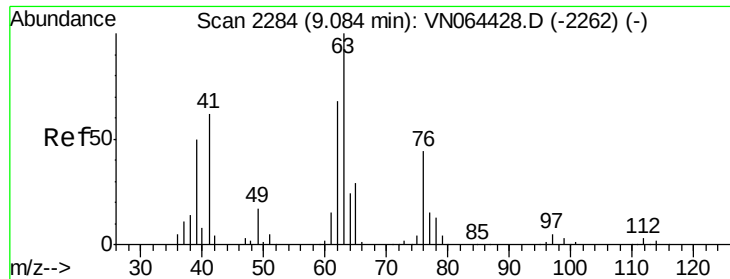
Delta R.T. -0.00 min

Lab File: VN064523.D

Acq: 10 Nov 2020 14:11

Tgt Ion:	130	Resp:	75718
Ion	Ratio	Lower	Upper
130	100		
95	108.6	0.0	216.8





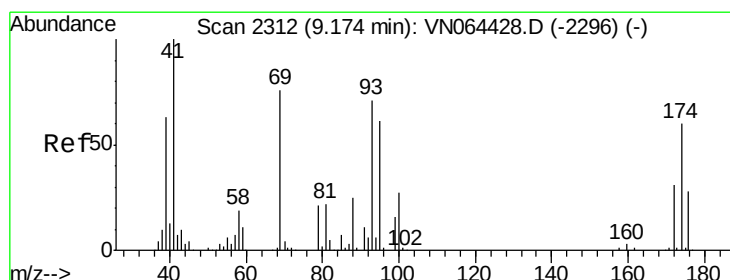
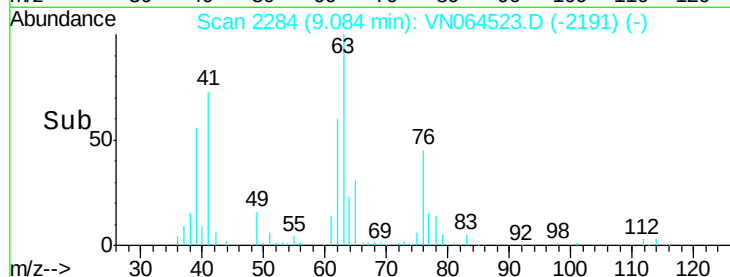
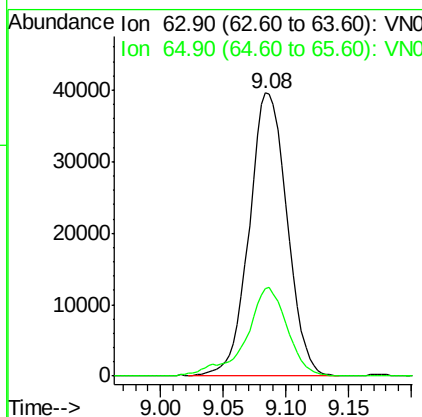
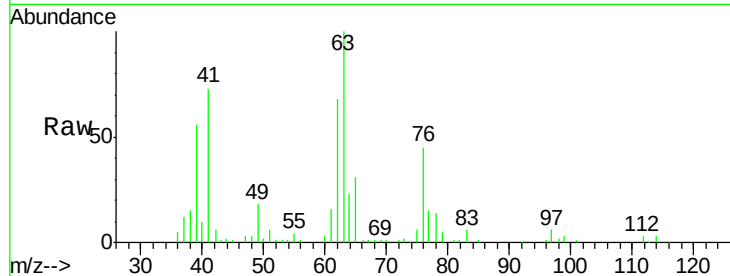
#45
 1,2-Dichloropropane
 Concen: 18.853 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN064523.D
 Acq: 10 Nov 2020 14:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1110WBS02

Tot Ion: 63 Resp: 83442
 Ion Ratio Lower Upper
 63 100
 65 31.1 23.6 35.4

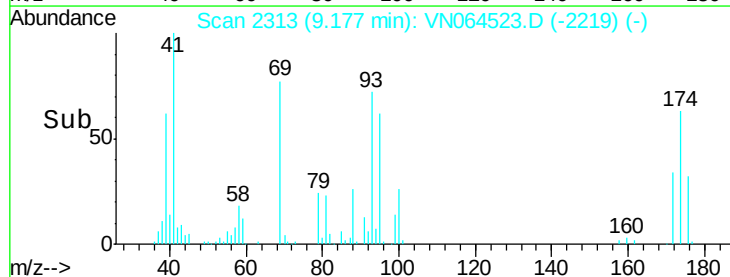
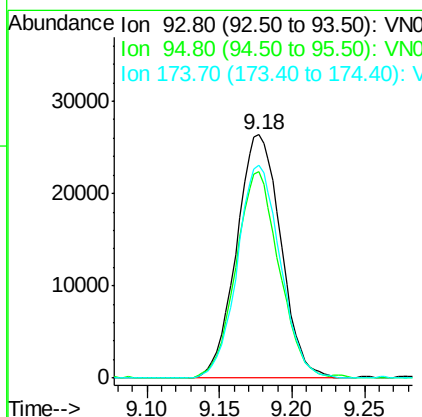
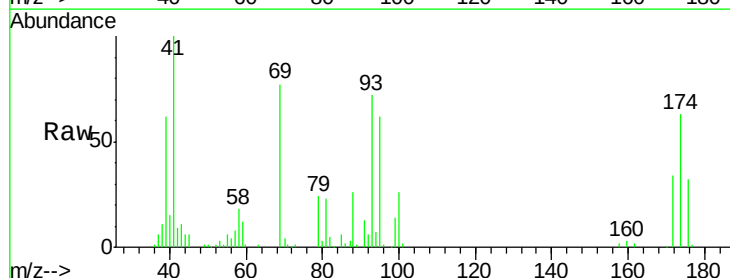
Manual Integrations
 APPROVED

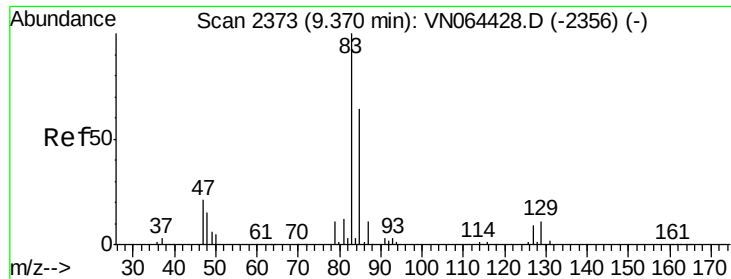
MMDadoda
 11/11/2020 1:01:28 PM



#46
 Dibromomethane
 Concen: 19.191 ug/l
 RT: 9.18 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN064523.D
 Acq: 10 Nov 2020 14:11

Tgt Ion: 93 Resp: 55914
 Ion Ratio Lower Upper
 93 100
 95 82.8 66.4 99.6
 174 85.1 67.2 100.8





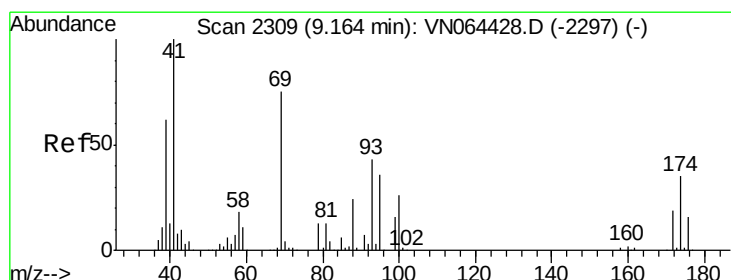
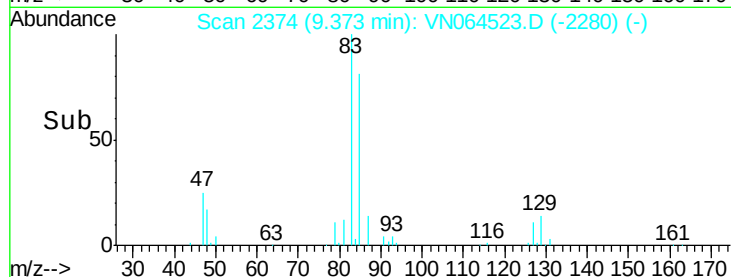
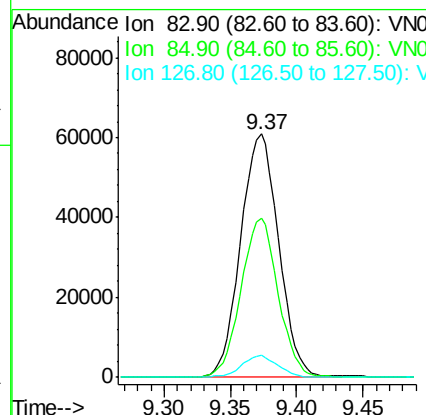
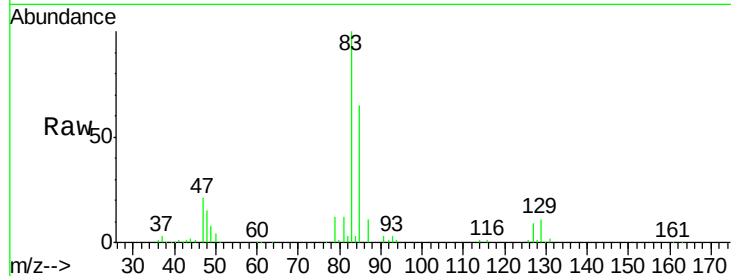
#47
Bromodichloromethane
Concen: 19.366 ug/l
RT: 9.37 min Scan# 2374
Delta R.T. 0.00 min
Lab File: VN064523.D
Acq: 10 Nov 2020 14:11

Instrument :
MSVOA_N
ClientSampleId :
VN1110WBS02

Tot Ion	83	Resp	121322
Ion Ratio	100	Lower	Upper
83	100		
85	65.4	51.2	76.8
127	8.9	6.9	10.3

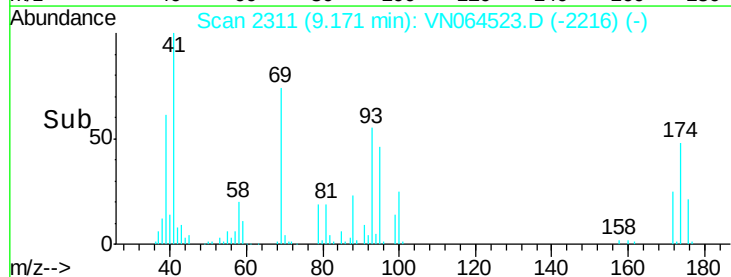
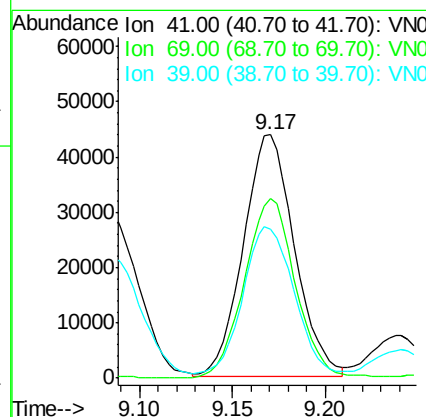
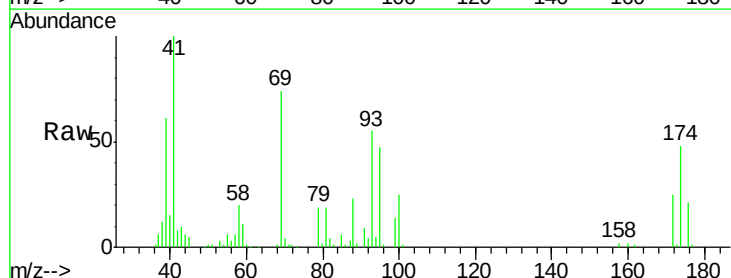
Manual Integrations
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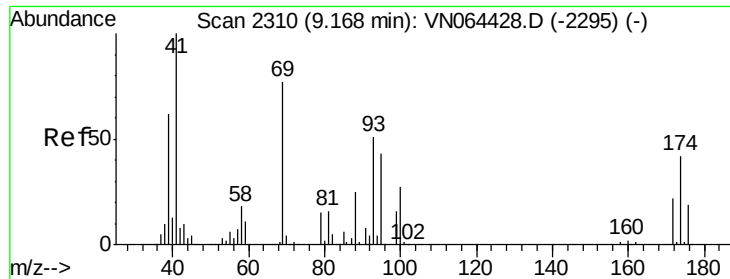
MMDadoda
11/11/2020 1:01:28 PM



#48
Methyl methacrylate
Concen: 18.221 ug/l
RT: 9.17 min Scan# 2311
Delta R.T. 0.01 min
Lab File: VN064523.D
Acq: 10 Nov 2020 14:11

Tgt Ion	41	Resp	84111
Ion Ratio	100	Lower	Upper
41	100		
69	74.3	60.4	90.6
39	63.0	51.2	76.8





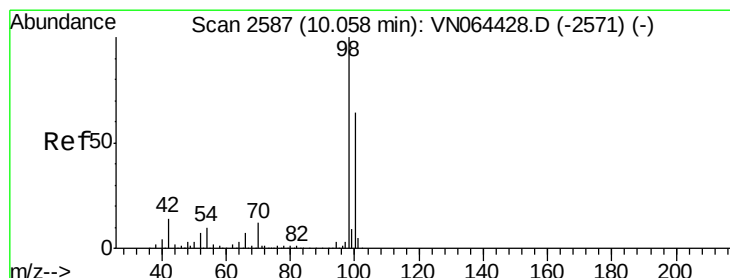
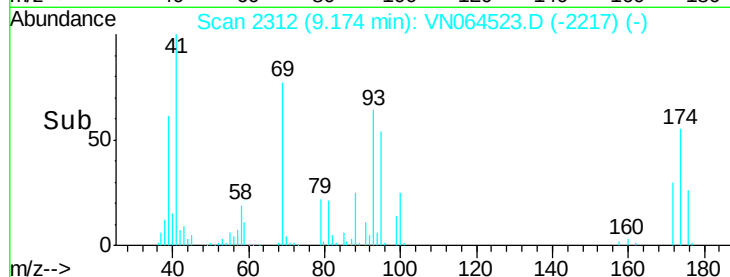
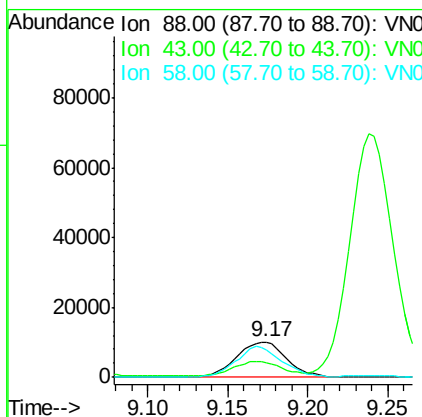
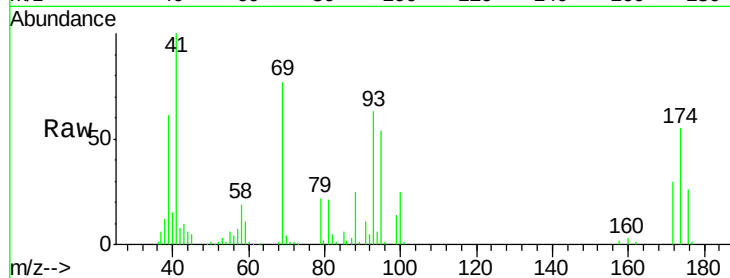
#49
1,4-Dioxane
Concen: 359.287 ug/l
RT: 9.17 min Scan# 2312
Delta R.T. 0.01 min
Lab File: VN064523.D
Acq: 10 Nov 2020 14:11

Instrument :
MSVOA_N
ClientSampleId :
VN1110WBS02

Tot Ion	Ratio	Resp	Lower	Upper
88	100	21845		
43	39.9		31.0	46.6
58	78.6		58.4	87.6

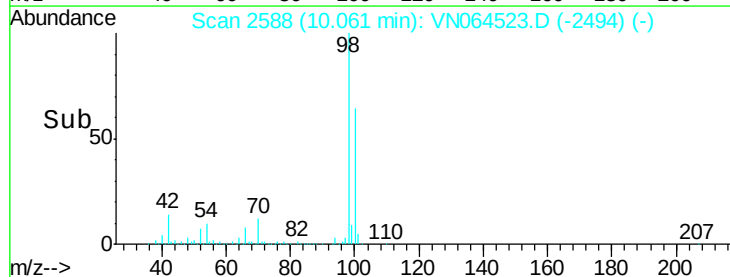
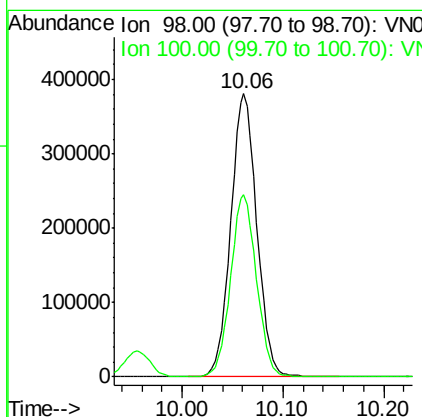
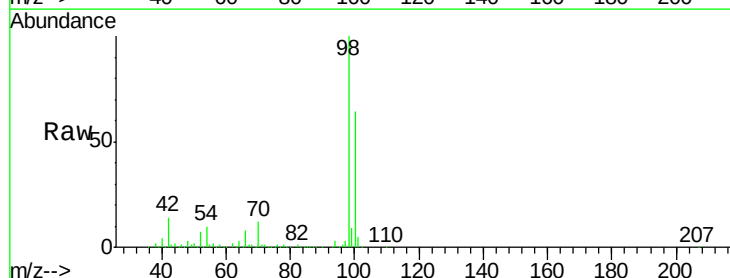
Manual Integrations
APPROVED

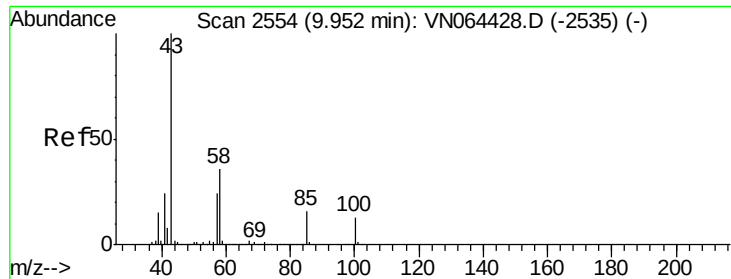
MMDadoda
11/11/2020 1:01:28 PM



#50
Toluene-d8
Concen: 48.723 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN064523.D
Acq: 10 Nov 2020 14:11

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	685108		
100	63.7		50.7	76.1





#51

4-Methyl-2-Pentanone

Concen: 95.234 ug/l

RT: 9.96 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN064523.D

Acq: 10 Nov 2020 14:11

Instrument :

MSVOA_N

ClientSampleId :

VN1110WBS02

Tot Ion: 43 Resp: 508062

Ion Ratio Lower Upper

43 100

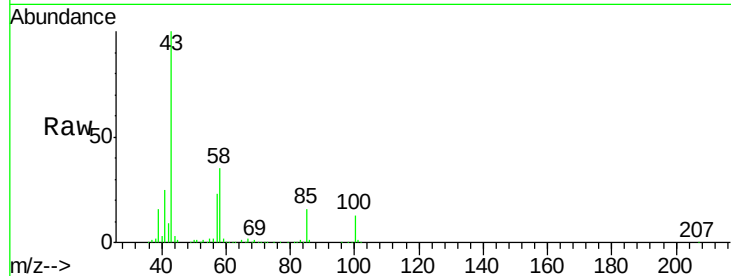
58 35.7 28.4 42.6

Manual Integrations

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MMDadoda

11/11/2020 1:01:28 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.96

250000

200000

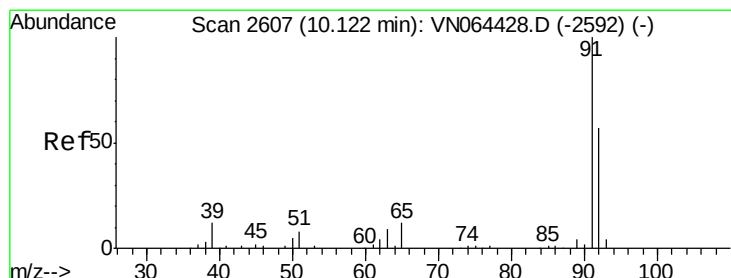
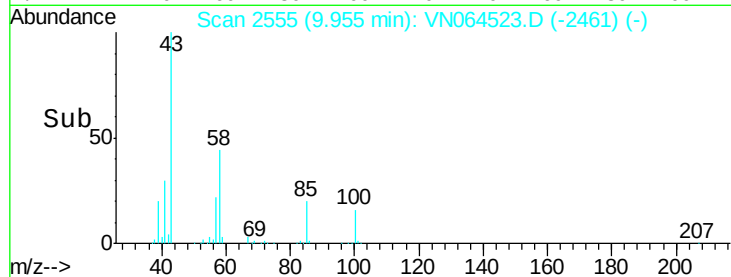
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 18.584 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN064523.D

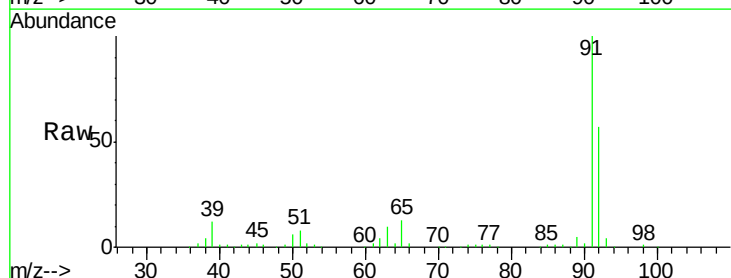
Acq: 10 Nov 2020 14:11

Tgt Ion: 92 Resp: 188011

Ion Ratio Lower Upper

92 100

91 176.1 139.6 209.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.13

200000

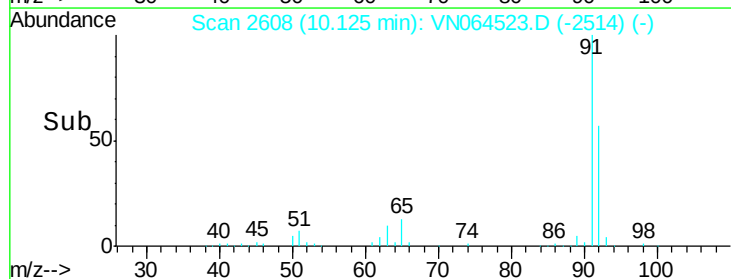
150000

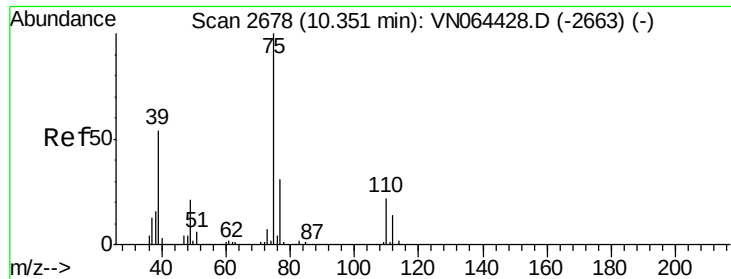
100000

50000

0

Time-->





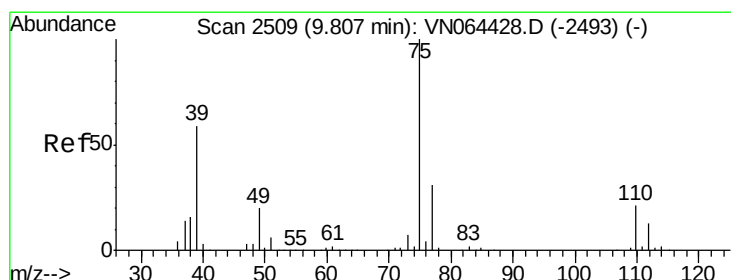
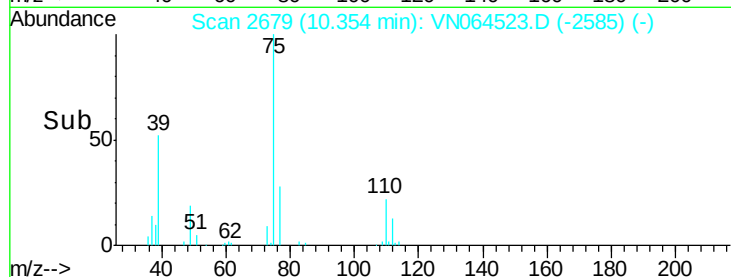
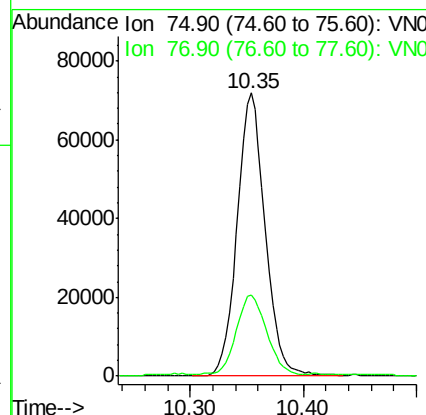
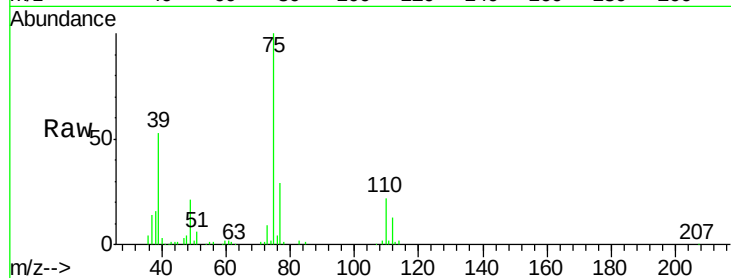
#53
t-1,3-Dichloropropene
Concen: 18.671 ug/l
RT: 10.35 min Scan# 2679
Delta R.T. 0.00 min
Lab File: VN064523.D
Acq: 10 Nov 2020 14:11

Instrument :
MSVOA_N
ClientSampleId :
VN1110WBS02

Tot Ion: 75 Resp: 124006
Ion Ratio Lower Upper
75 100
77 28.2 24.8 37.2

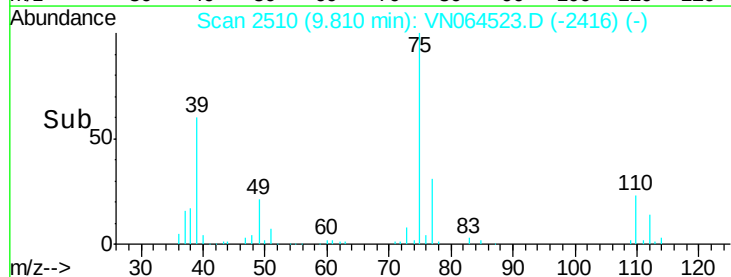
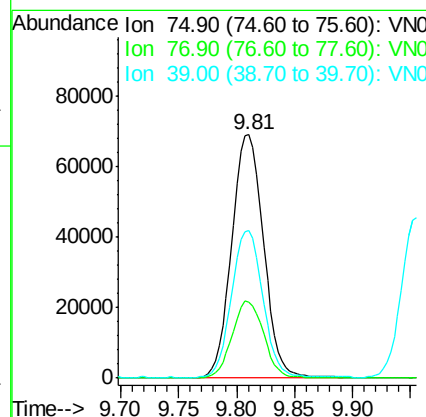
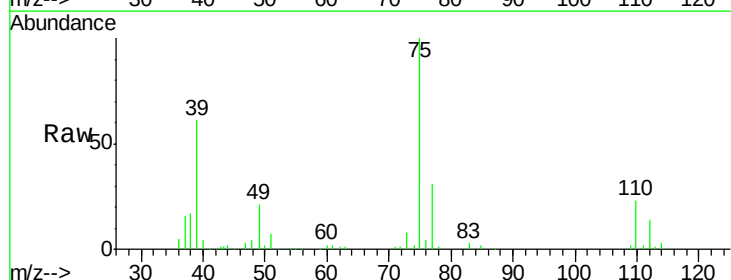
Manual Integrations
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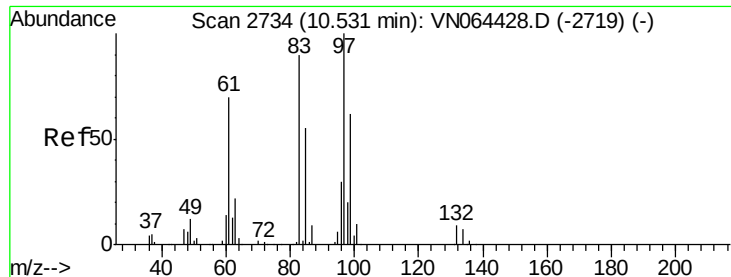
MMDadoda
11/11/2020 1:01:28 PM



#54
cis-1,3-Dichloropropene
Concen: 18.505 ug/l
RT: 9.81 min Scan# 2510
Delta R.T. 0.00 min
Lab File: VN064523.D
Acq: 10 Nov 2020 14:11

Tgt Ion: 75 Resp: 131405
Ion Ratio Lower Upper
75 100
77 31.4 24.9 37.3
39 60.1 47.1 70.7





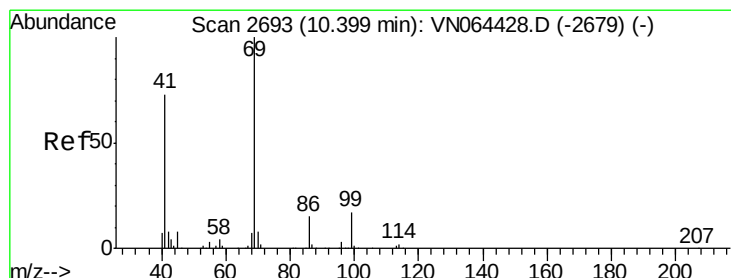
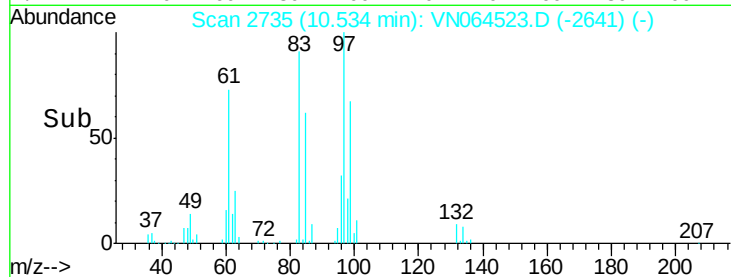
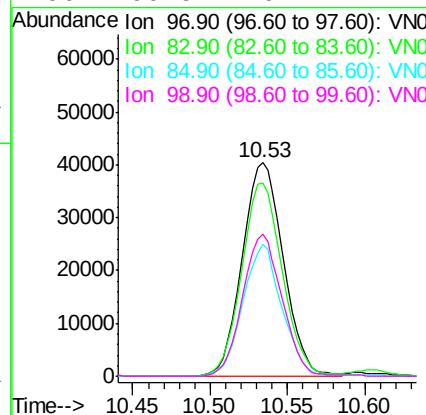
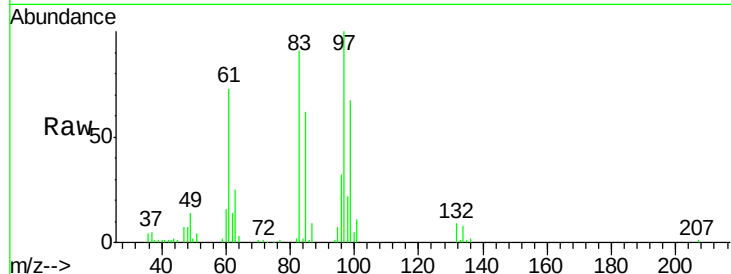
#55
 1,1,2-Trichloroethane
 Concen: 18.938 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN064523.D
 Acq: 10 Nov 2020 14:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1110WBS02

Tot Ion:	97	Resp:	74723
Ion	Ratio	Lower	Upper
97	100		
83	90.8	71.7	107.5
85	61.7	44.3	66.5
99	66.5	49.4	74.2

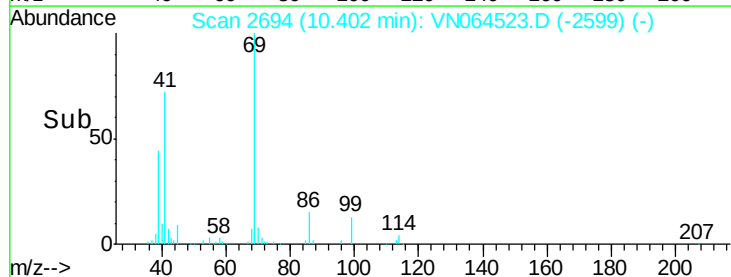
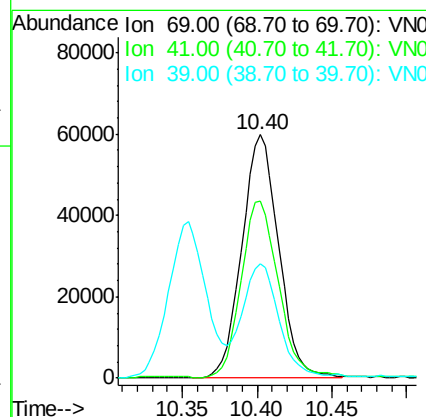
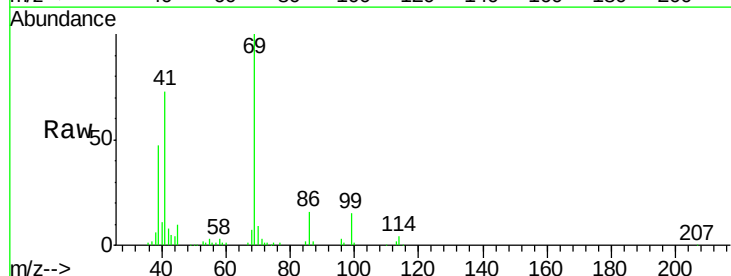
Manual Integrations
 APPROVED

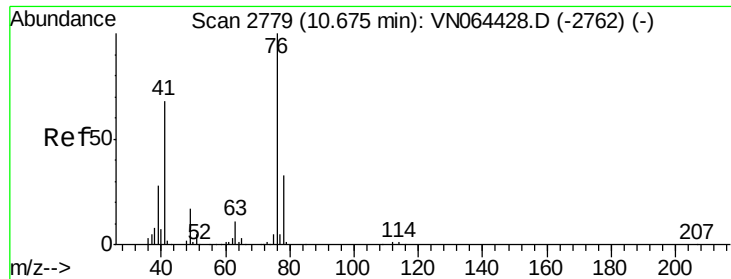
MMDadoda
 11/11/2020 1:01:28 PM



#56
 Ethyl methacrylate
 Concen: 17.088 ug/l
 RT: 10.40 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VN064523.D
 Acq: 10 Nov 2020 14:11

Tgt Ion:	69	Resp:	102760
Ion	Ratio	Lower	Upper
69	100		
41	73.1	59.3	88.9
39	44.6	35.4	53.0





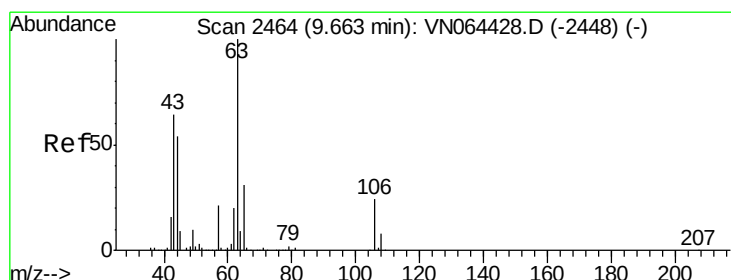
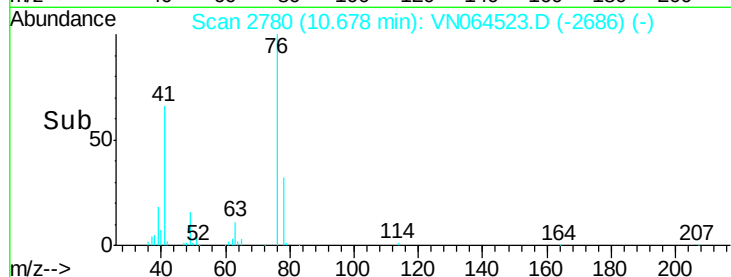
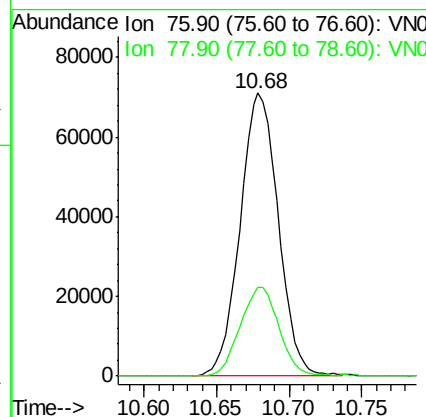
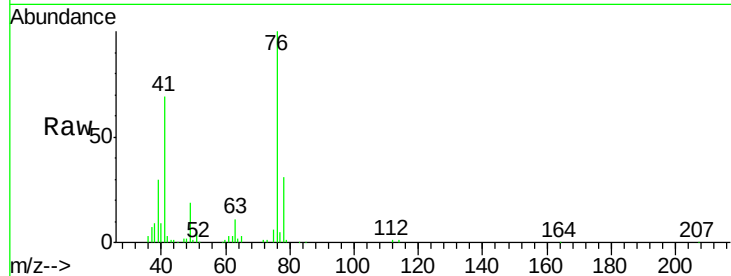
#57
 1,3-Dichloropropane
 Concen: 18.880 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. 0.00 min
 Lab File: VN064523.D
 Acq: 10 Nov 2020 14:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1110WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.8	38.6

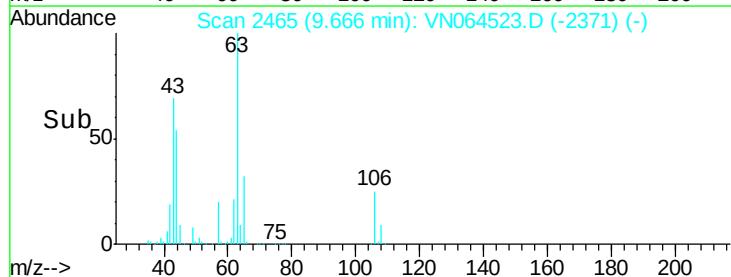
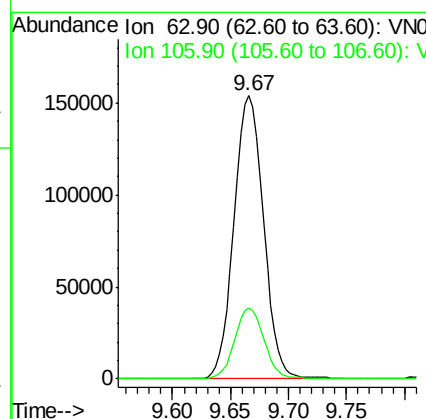
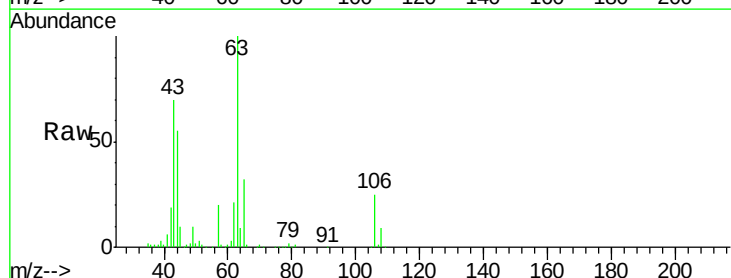
Manual Integrations
 APPROVED

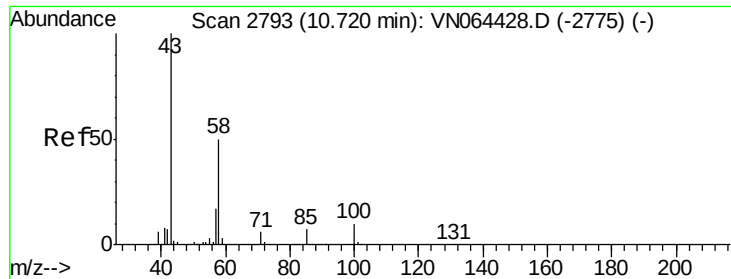
MMDadoda
 11/11/2020 1:01:28 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 102.853 ug/l
 RT: 9.67 min Scan# 2465
 Delta R.T. 0.00 min
 Lab File: VN064523.D
 Acq: 10 Nov 2020 14:11

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.8	19.5	29.3





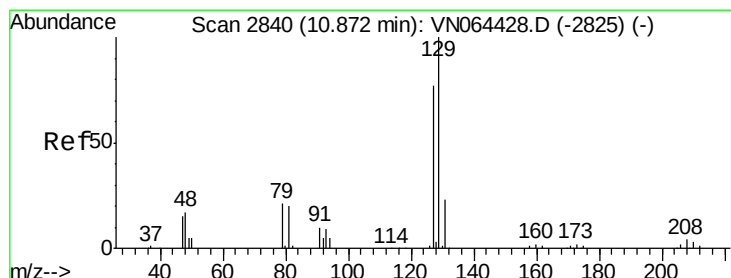
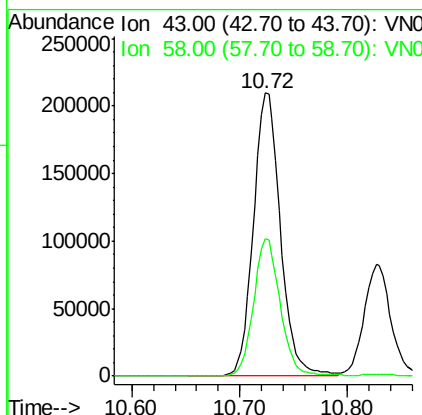
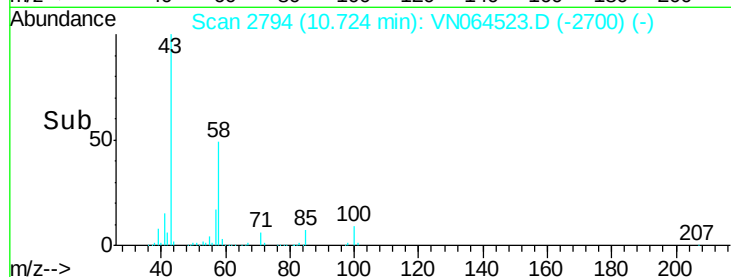
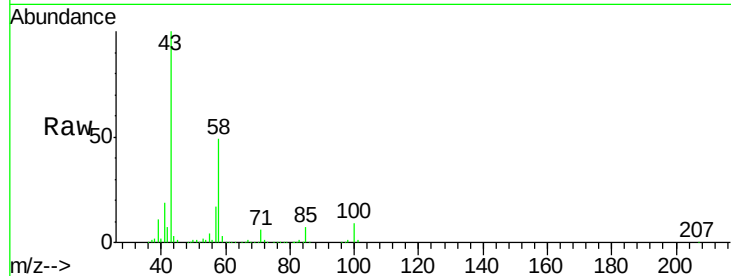
#59
2-Hexanone
Concen: 86.143 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064523.D
Acq: 10 Nov 2020 14:11

Instrument :
MSVOA_N
ClientSampleId :
VN1110WBS02

Tot Ion: 43 Resp: 363073
Ion Ratio Lower Upper
43 100
58 48.0 24.7 74.1

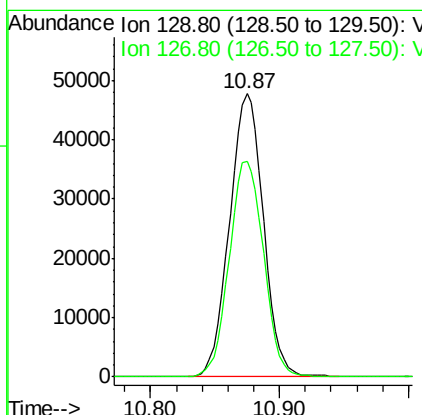
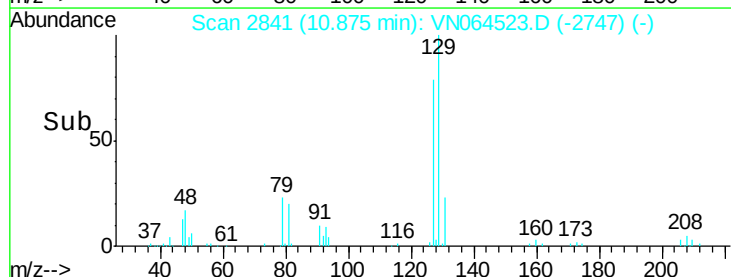
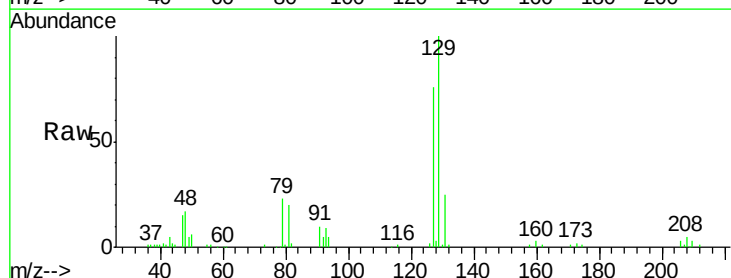
Manual Integrations
APPROVED

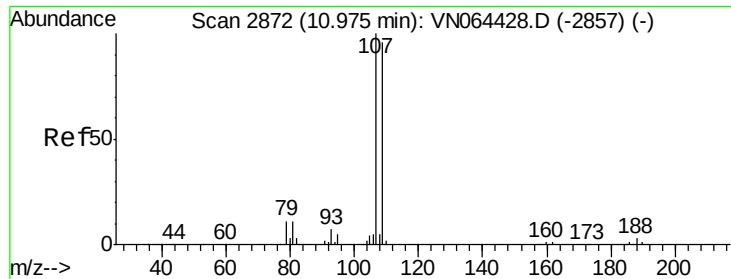
MMDadoda
11/11/2020 1:01:28 PM



#60
Dibromochloromethane
Concen: 19.712 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN064523.D
Acq: 10 Nov 2020 14:11

Tgt Ion: 129 Resp: 87077
Ion Ratio Lower Upper
129 100
127 77.1 38.9 116.7





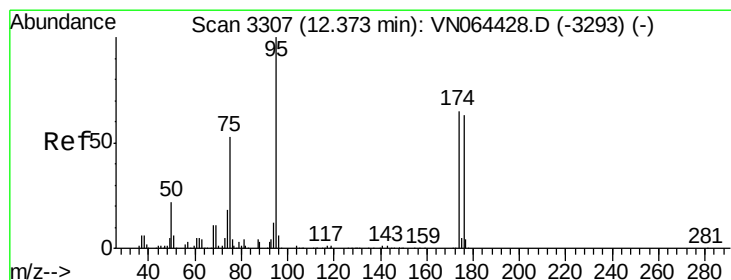
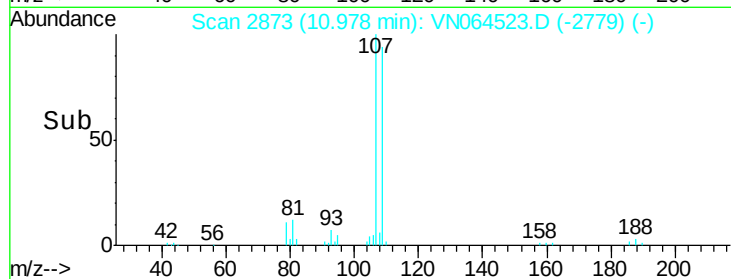
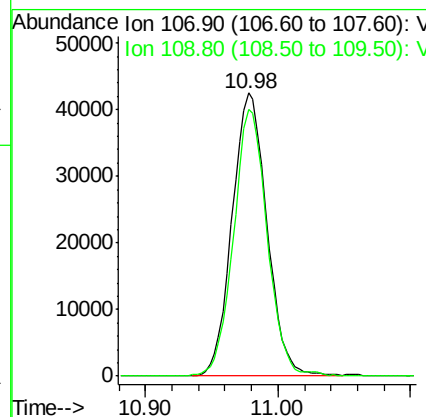
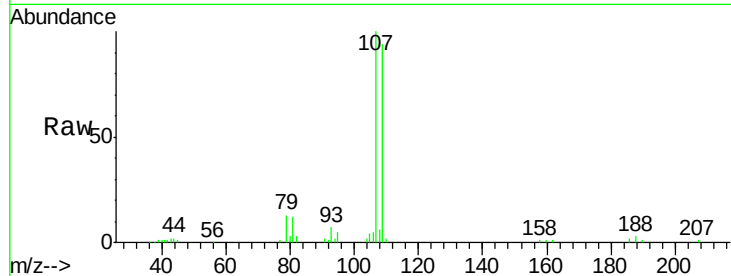
#61
 1,2-Dibromoethane
 Concen: 19.376 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN064523.D
 Acq: 10 Nov 2020 14:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1110WBS02

Tot Ion: 107 Resp: 77546
 Ion Ratio Lower Upper
 107 100
 109 91.2 75.9 113.9

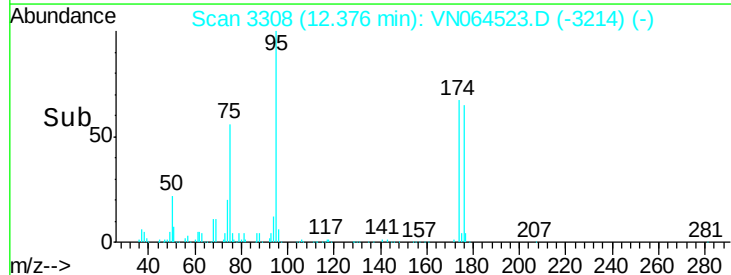
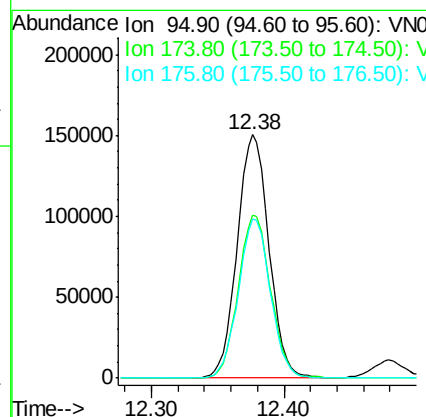
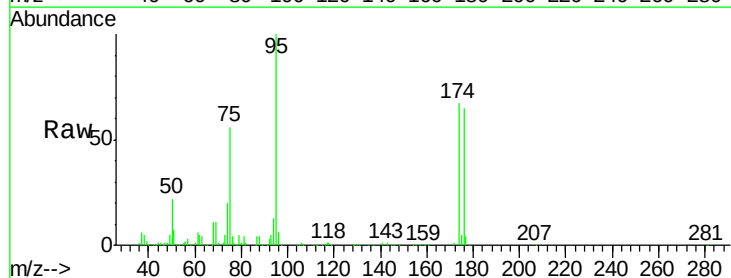
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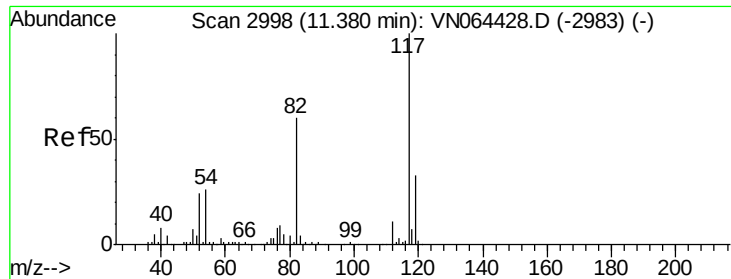
MMDadoda
 11/11/2020 1:01:28 PM



#62
 4-Bromofluorobenzene
 Concen: 47.108 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN064523.D
 Acq: 10 Nov 2020 14:11

Tgt Ion: 95 Resp: 250514
 Ion Ratio Lower Upper
 95 100
 174 68.4 0.0 132.6
 176 65.7 0.0 129.2





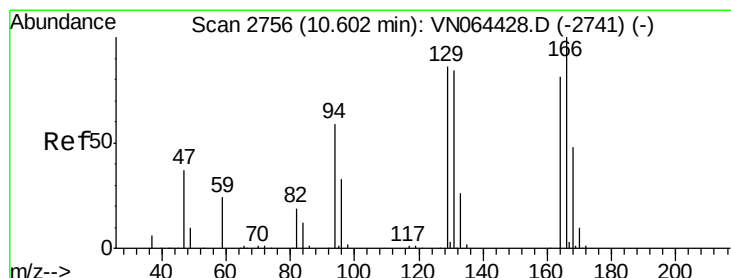
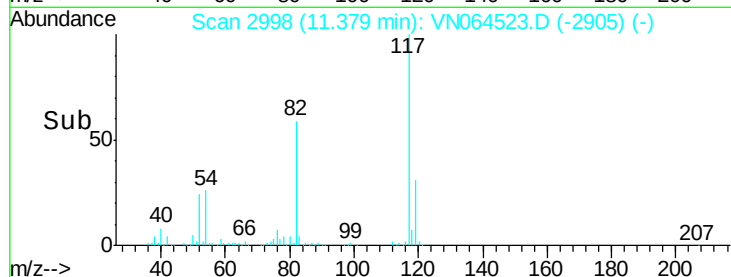
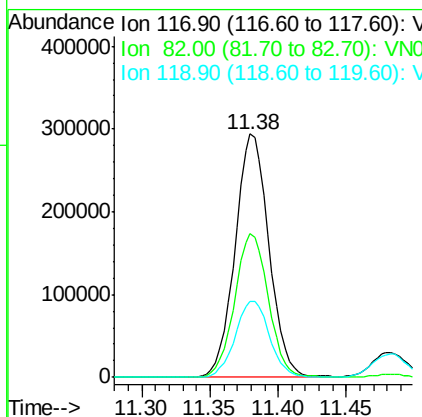
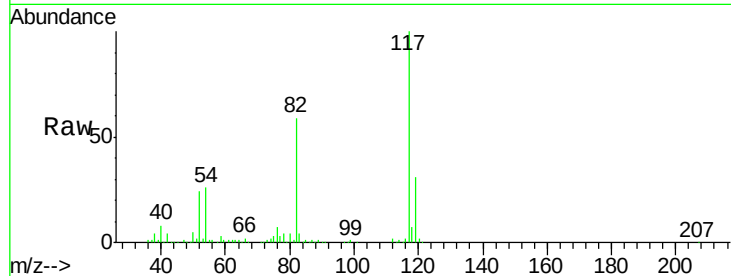
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064523.D
Acq: 10 Nov 2020 14:11

Instrument :
MSVOA_N
ClientSampleId :
VN1110WBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	506250		
82	58.9		48.1	72.1
119	31.2		26.2	39.4

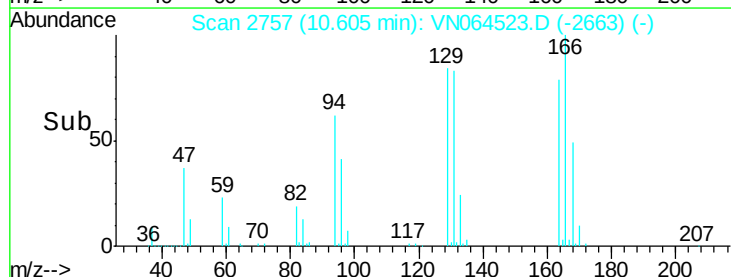
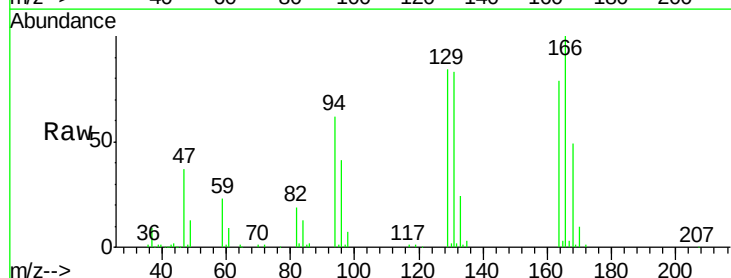
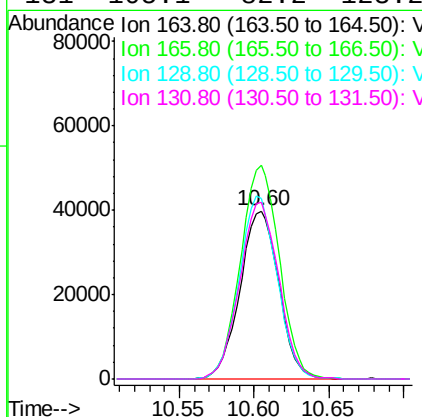
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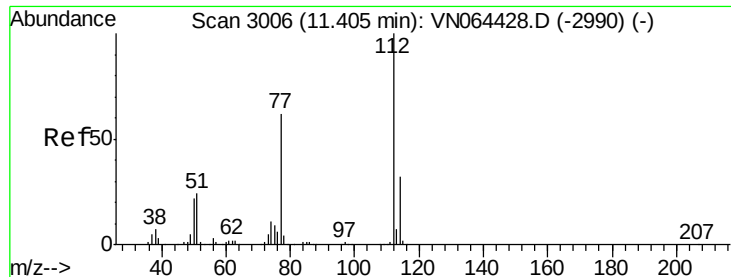
MMDadoda
11/11/2020 1:01:28 PM



#64
Tetrachloroethene
Concen: 18.390 ug/l
RT: 10.60 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VN064523.D
Acq: 10 Nov 2020 14:11

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	71714		
166	127.1		98.2	147.2
129	107.2		84.6	127.0
131	105.1		82.2	123.2





#65

Chlorobenzene

Concen: 18.042 ug/l

RT: 11.41 min Scan# 3006

Delta R.T. -0.00 min

Lab File: VN064523.D

Acq: 10 Nov 2020 14:11

Instrument :

MSVOA_N

ClientSampleId :

VN1110WBS02

Tot Ion:112 Resp: 200231

Ion Ratio Lower Upper

112 100

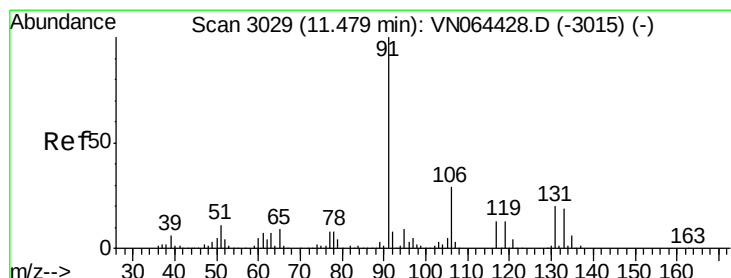
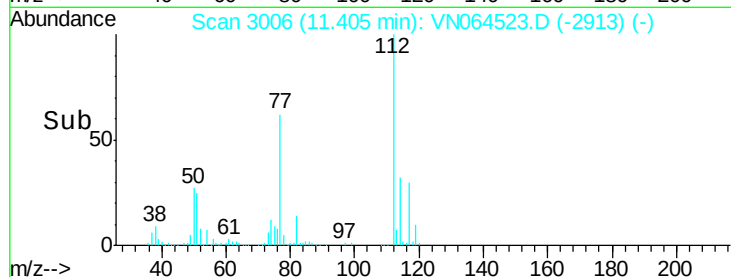
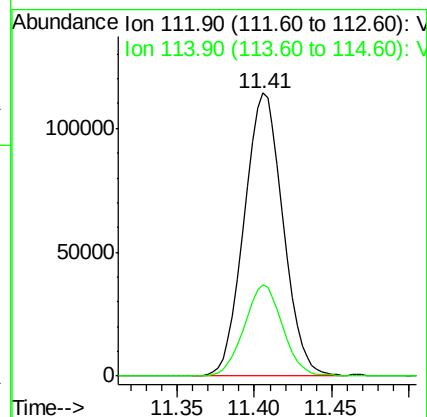
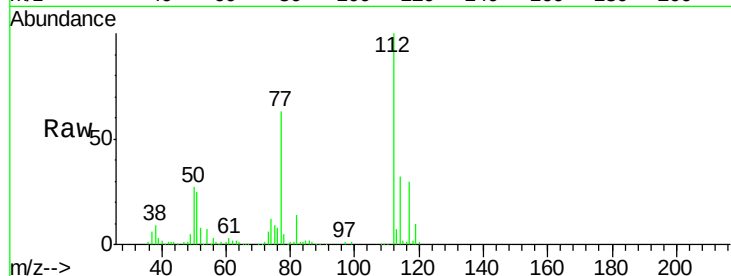
114 32.4 25.6 38.4

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 19.061 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. 0.00 min

Lab File: VN064523.D

Acq: 10 Nov 2020 14:11

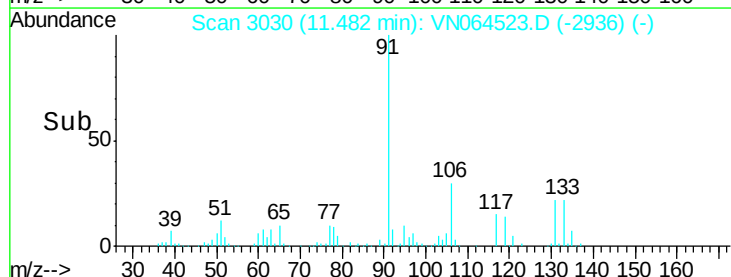
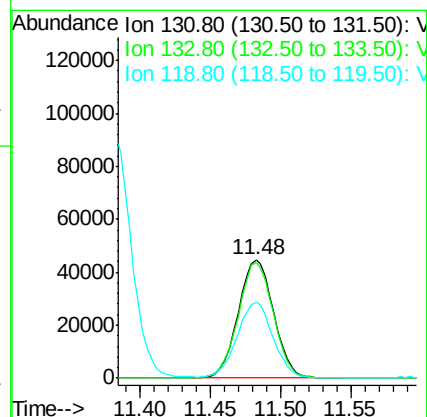
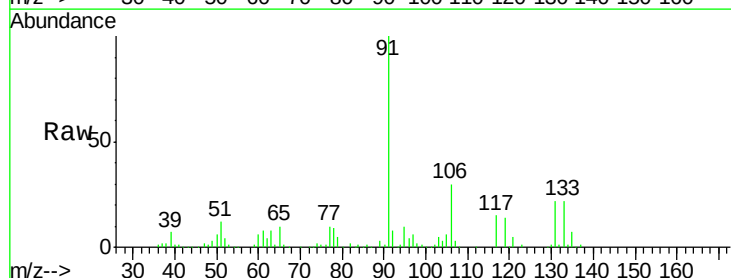
Tgt Ion:131 Resp: 78918

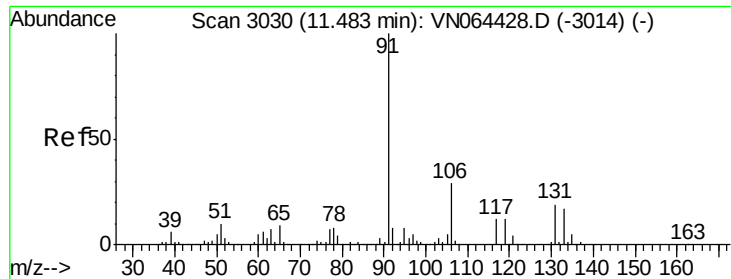
Ion Ratio Lower Upper

131 100

133 96.6 46.9 140.7

119 65.1 32.1 96.5





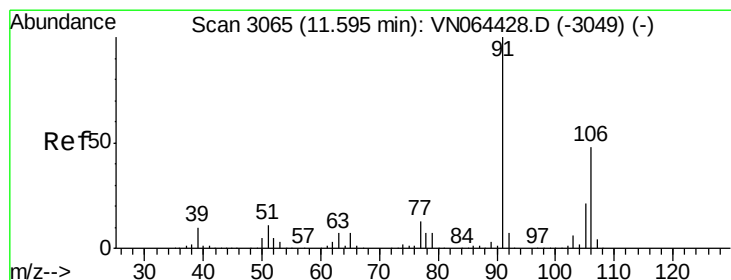
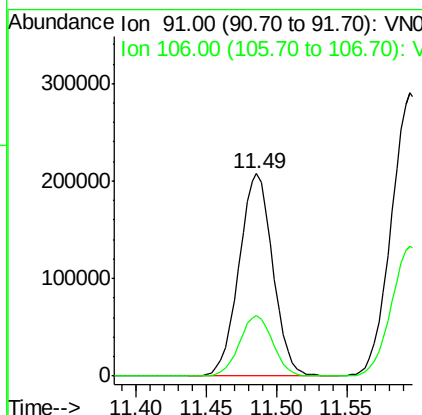
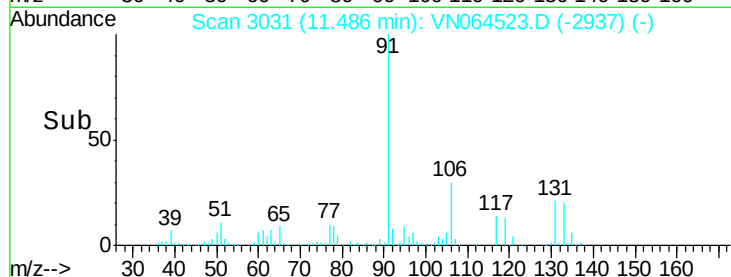
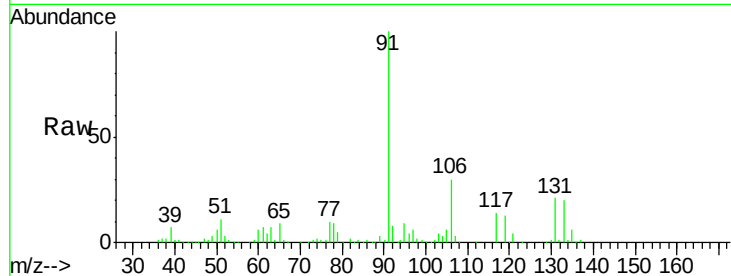
#67
Ethyl Benzene
Concen: 17.664 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN064523.D
Acq: 10 Nov 2020 14:11

Instrument :
MSVOA_N
ClientSampleId :
VN1110WBS02

Tot Ion: 91 Resp: 348707
Ion Ratio Lower Upper
91 100
106 29.8 23.6 35.4

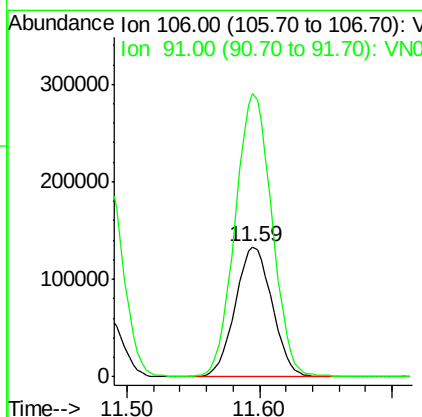
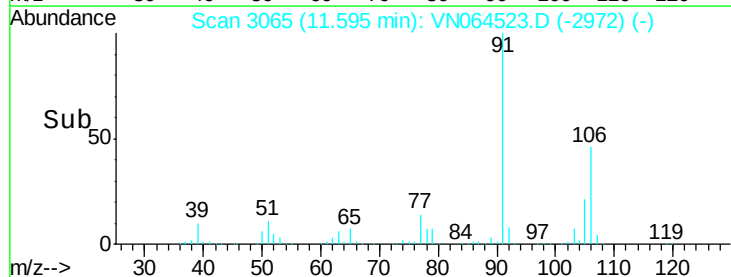
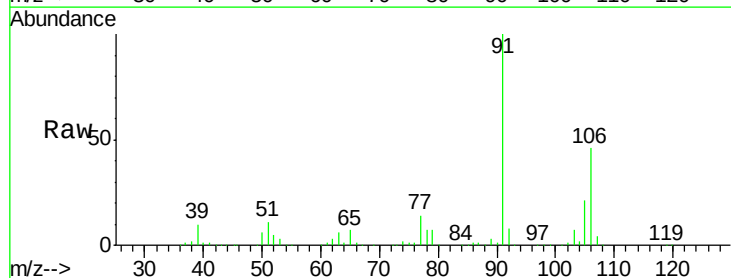
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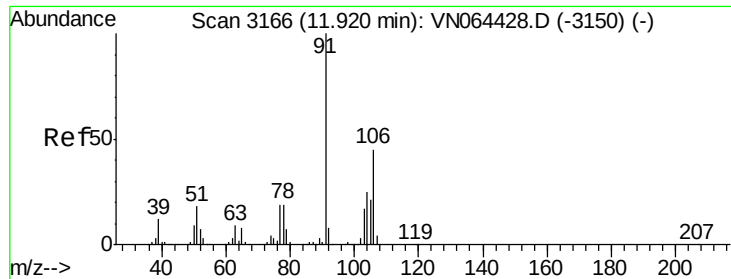
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#68
m/p-Xylenes
Concen: 35.891 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. -0.00 min
Lab File: VN064523.D
Acq: 10 Nov 2020 14:11

Tgt Ion: 106 Resp: 256948
Ion Ratio Lower Upper
106 100
91 217.9 169.4 254.2





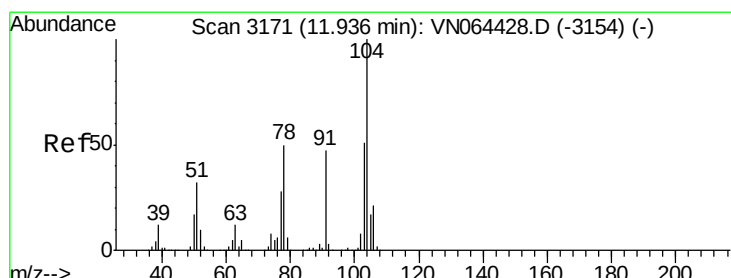
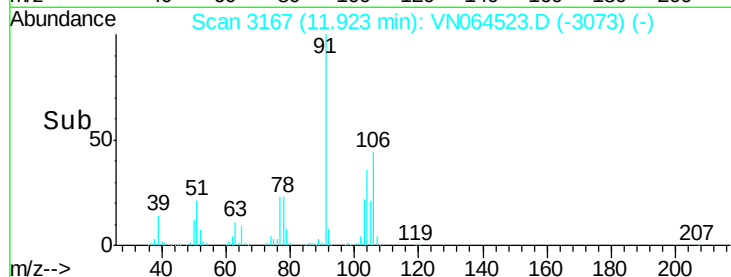
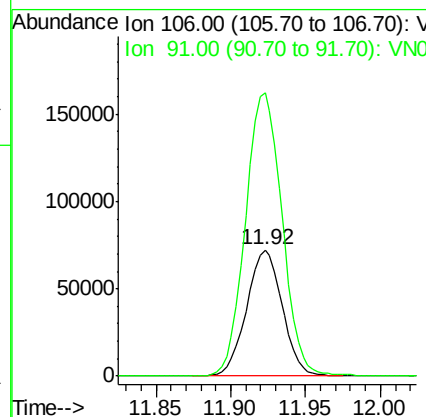
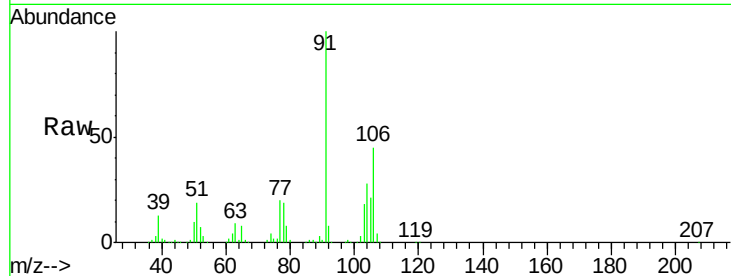
#69
o-Xylene
Concen: 17.341 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN064523.D
Acq: 10 Nov 2020 14:11

Instrument :
MSVOA_N
ClientSampleId :
VN1110WBS02

Tot Ion:106 Resp: 119962
Ion Ratio Lower Upper
106 100
91 231.0 111.7 334.9

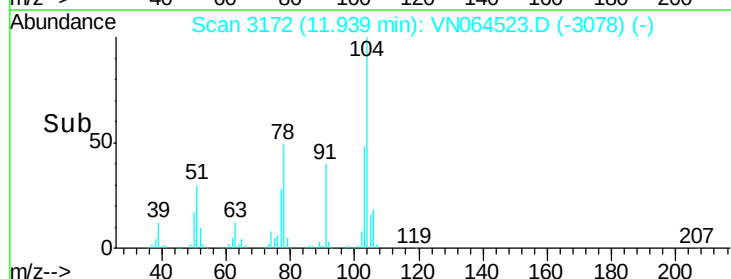
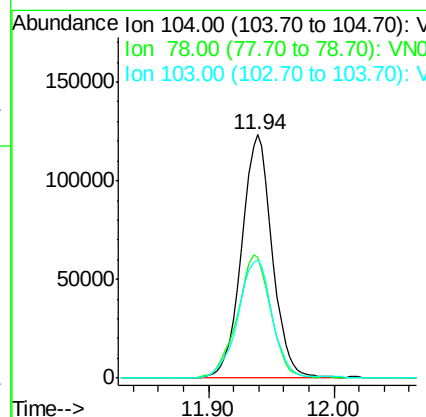
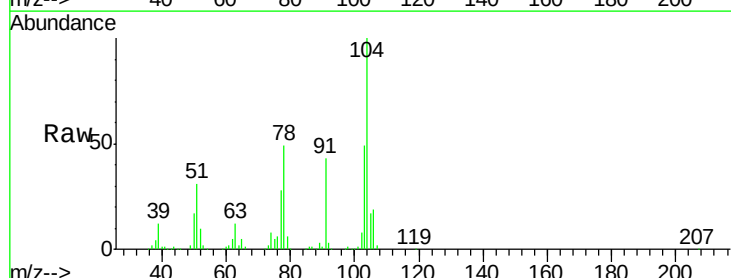
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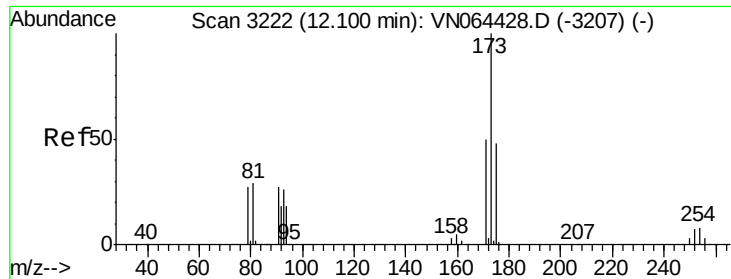
MMDadoda
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#70
Styrene
Concen: 17.997 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN064523.D
Acq: 10 Nov 2020 14:11

Tgt Ion:104 Resp: 209501
Ion Ratio Lower Upper
104 100
78 55.3 44.0 66.0
103 54.2 43.8 65.6





#71

Bromoform

Concen: 18.302 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN064523.D

Acq: 10 Nov 2020 14:11

Instrument :

MSVOA_N

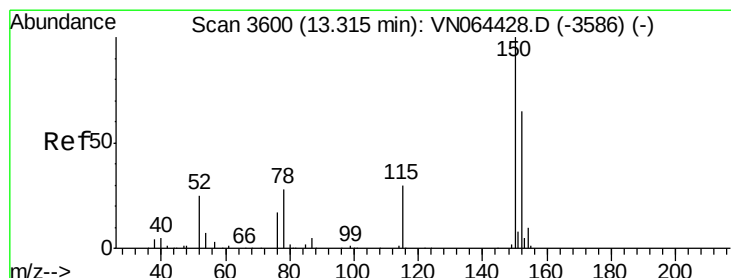
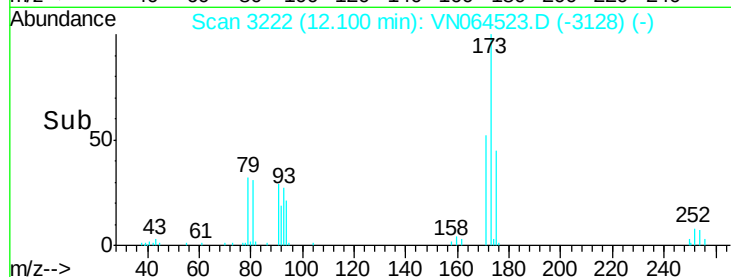
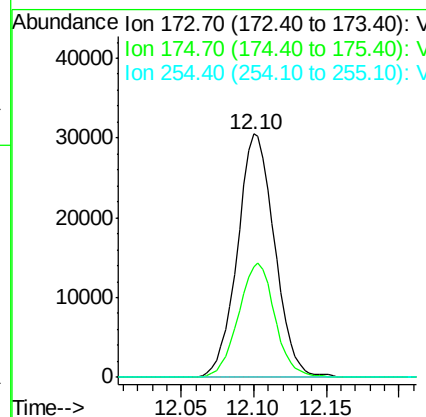
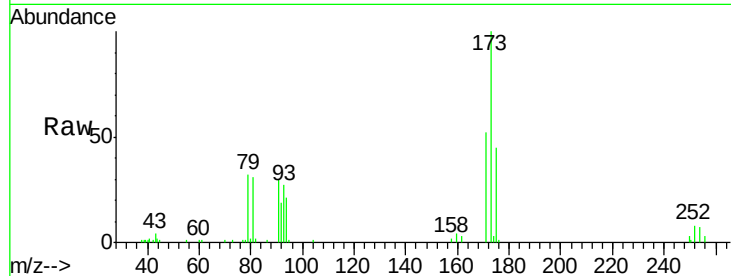
ClientSampleId :

VN1110WBS02

Tot Ion:	173	Resp:	54317
Ion Ratio	Lower	Upper	
173	100		
175	45.9	23.7	71.1
254	0.0	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

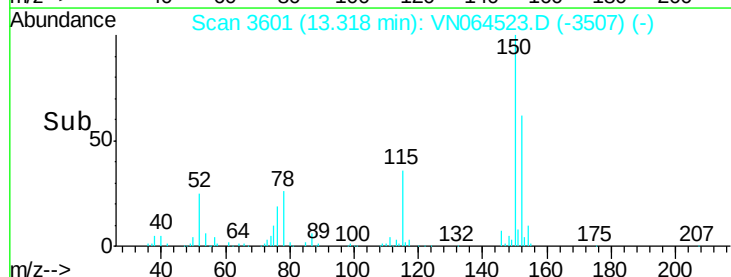
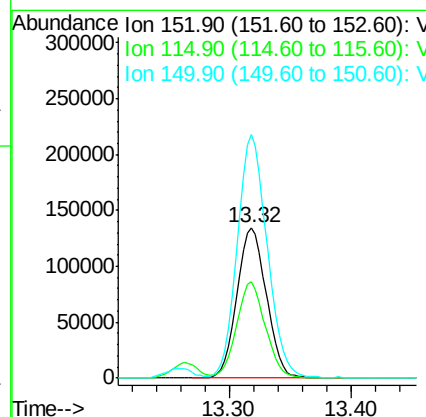
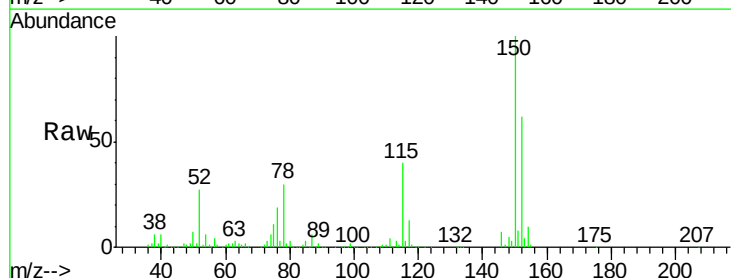
RT: 13.32 min Scan# 3601

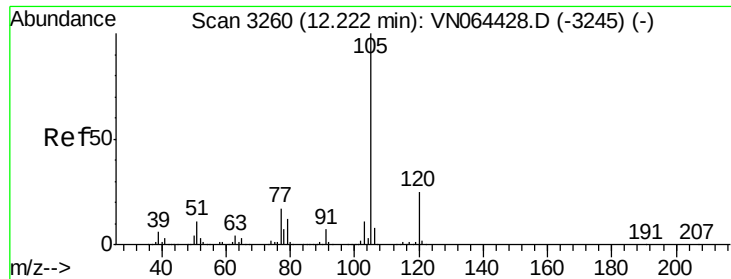
Delta R.T. 0.00 min

Lab File: VN064523.D

Acq: 10 Nov 2020 14:11

Tgt Ion:	152	Resp:	225349
Ion Ratio	Lower	Upper	
152	100		
115	62.4	32.0	96.0
150	163.8	0.0	353.8





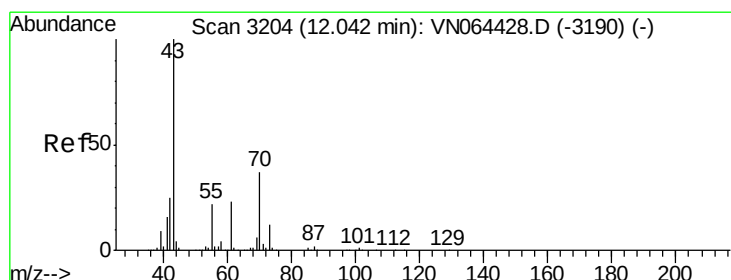
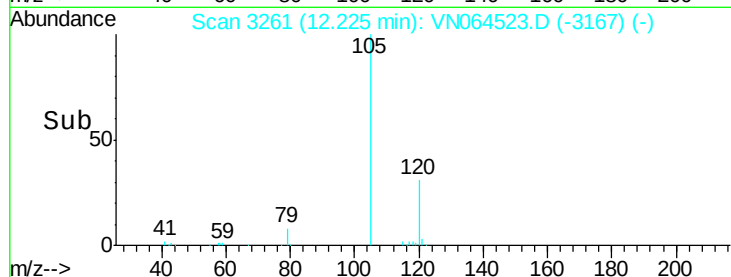
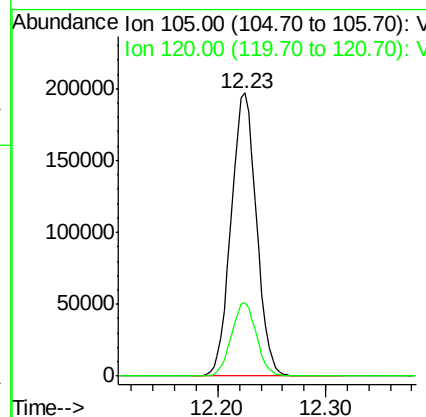
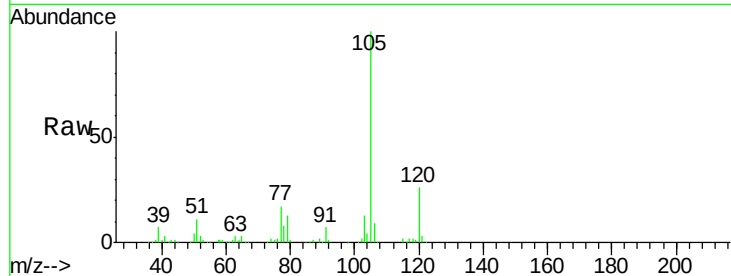
#73
Isopropylbenzene
Concen: 18.052 ug/l
RT: 12.23 min Scan# 3261
Delta R.T. 0.00 min
Lab File: VN064523.D
Acq: 10 Nov 2020 14:11

Instrument :
MSVOA_N
ClientSampleId :
VN1110WBS02

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.6	12.8	38.3

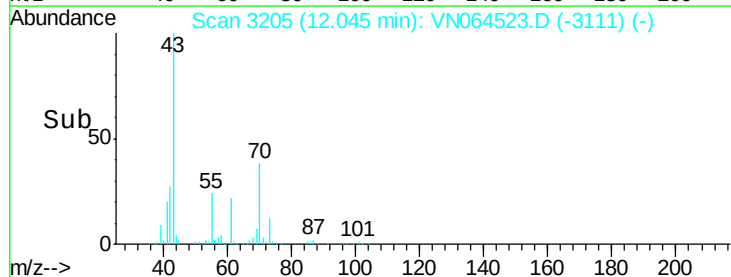
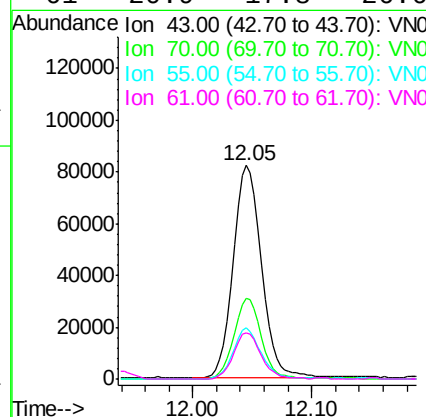
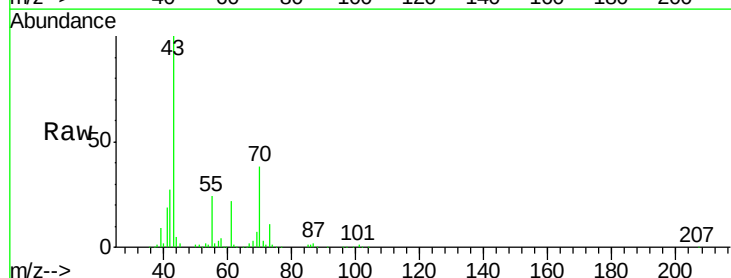
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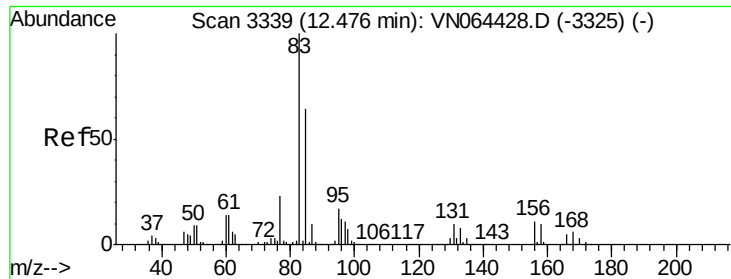
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#74
N-ethyl acetate
Concen: 16.629 ug/l
RT: 12.05 min Scan# 3205
Delta R.T. 0.00 min
Lab File: VN064523.D
Acq: 10 Nov 2020 14:11

Tgt Ion	Ratio	Lower	Upper
43	100		
70	36.3	29.6	44.4
55	23.2	18.4	27.6
61	20.9	17.8	26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.194 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064523.D

Acq: 10 Nov 2020 14:11

Instrument :

MSVOA_N

ClientSampleId :

VN1110WBS02

Tot Ion: 83 Resp: 105595
Ion Ratio Lower Upper

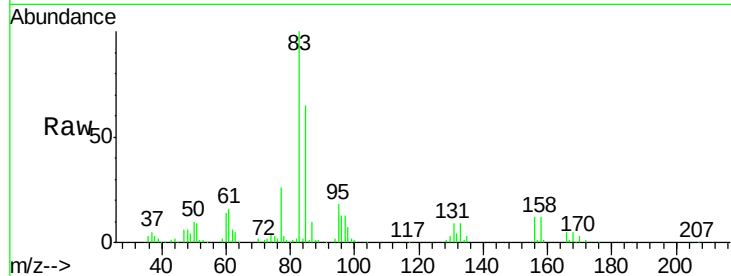
83 100

131 9.5 4.9 14.7

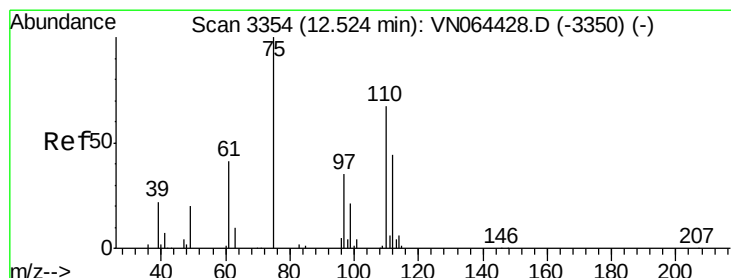
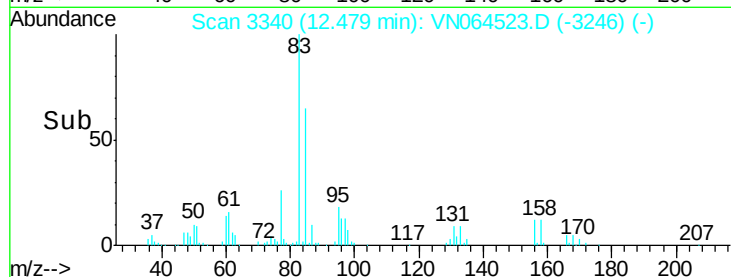
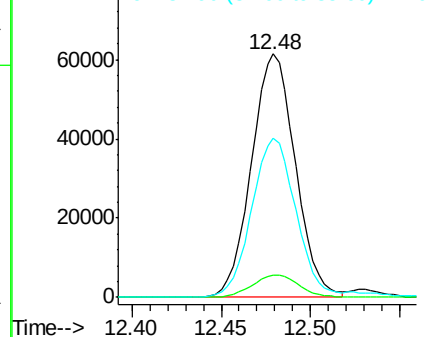
85 65.6 32.1 96.5

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Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): VN0
Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 18.935 ug/l m

RT: 12.53 min Scan# 3356

Delta R.T. 0.01 min

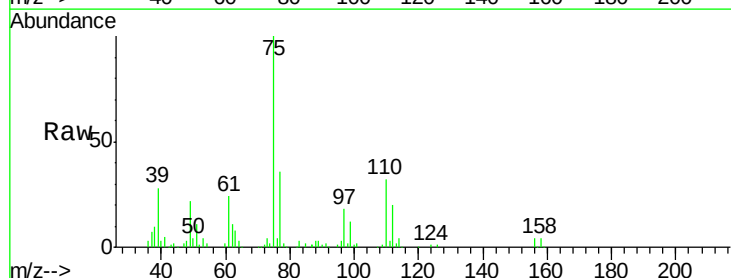
Lab File: VN064523.D

Acq: 10 Nov 2020 14:11

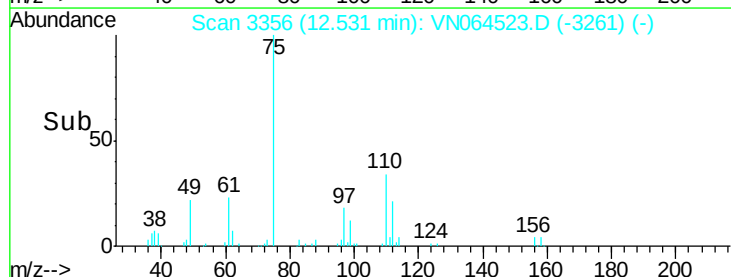
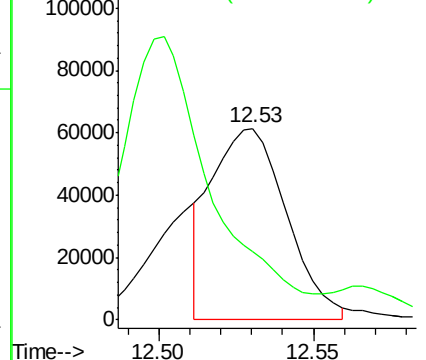
Tgt Ion: 75 Resp: 103384
Ion Ratio Lower Upper

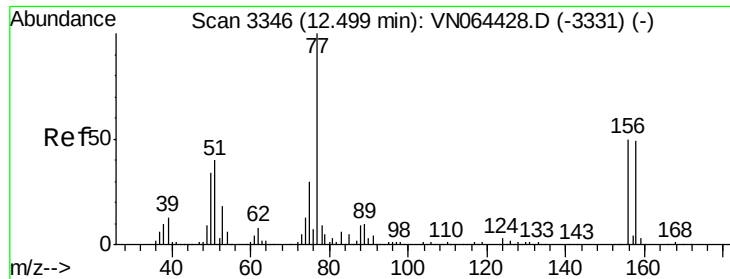
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 18.361 ug/l

RT: 12.50 min Scan# 3347

Delta R.T. 0.00 min

Lab File: VN064523.D

Acq: 10 Nov 2020 14:11

Instrument :

MSVOA_N

ClientSampleId :

VN1110WBS02

Tot Ion:156 Resp: 80294

Ion Ratio Lower Upper

156 100

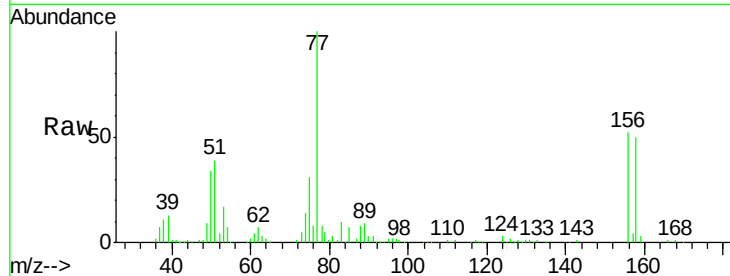
77 235.5 119.0 357.0

158 97.4 48.4 145.3

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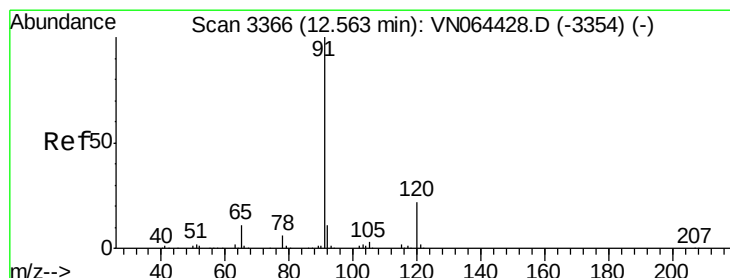
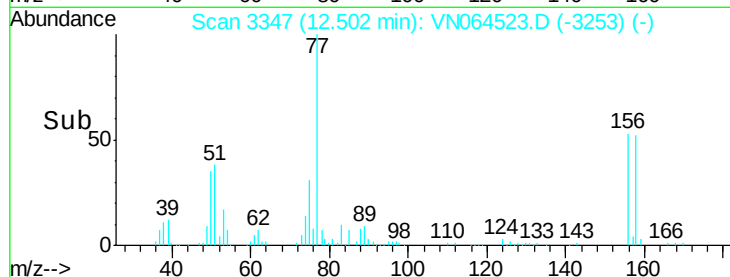
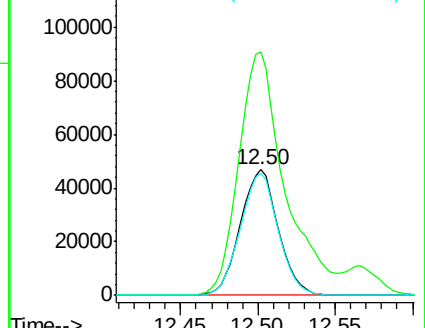
11/11/2020 1:01:28 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.359 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064523.D

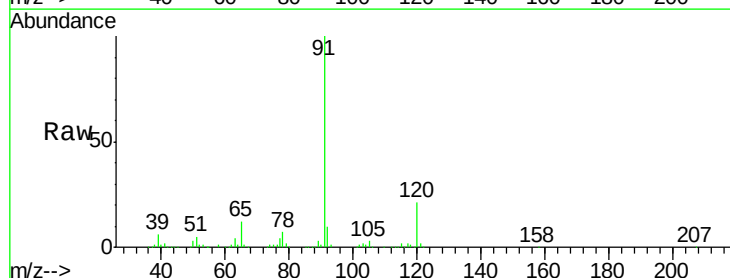
Acq: 10 Nov 2020 14:11

Tgt Ion: 91 Resp: 374901

Ion Ratio Lower Upper

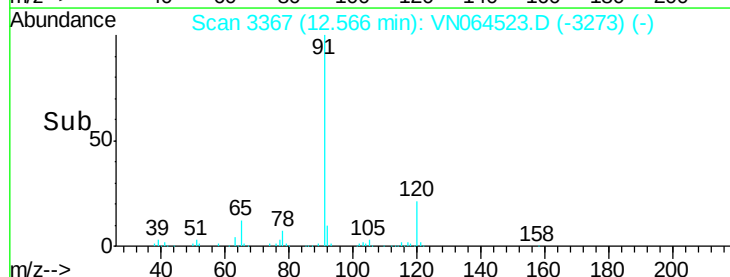
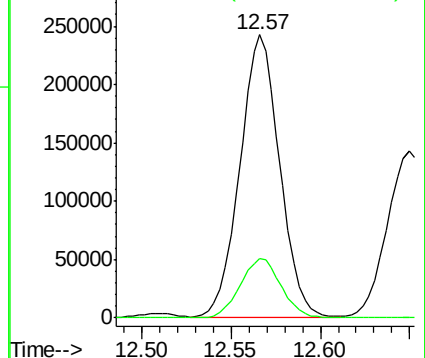
91 100

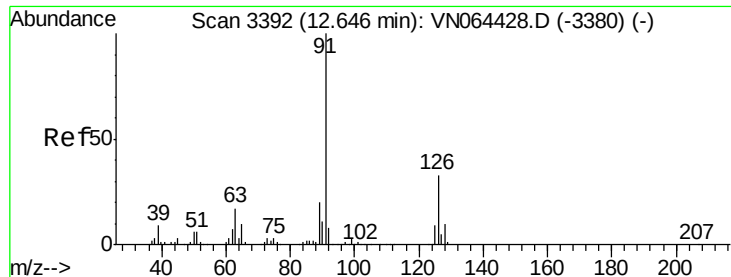
120 21.7 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.181 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN064523.D

Acq: 10 Nov 2020 14:11

Instrument :

MSVOA_N

ClientSampleId :

VN1110WBS02

Tot Ion: 91 Resp: 235465

Ion Ratio Lower Upper

91 100

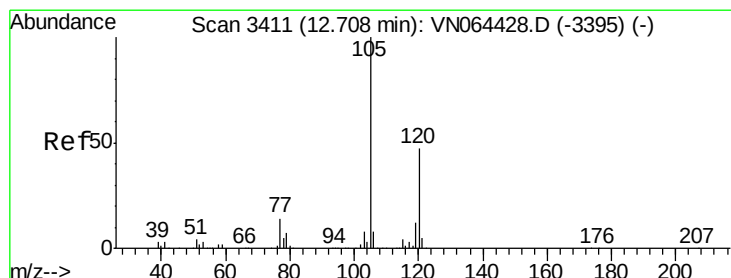
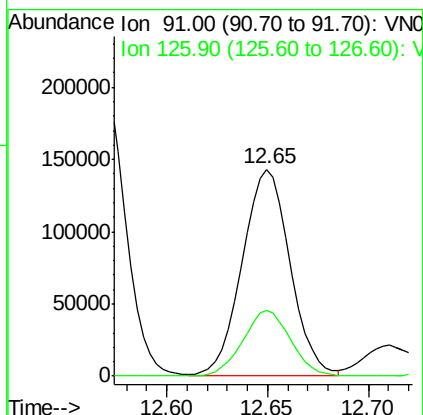
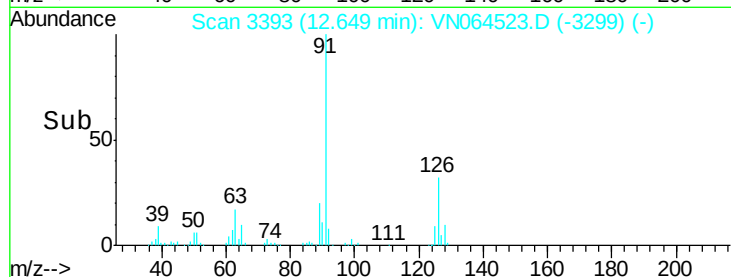
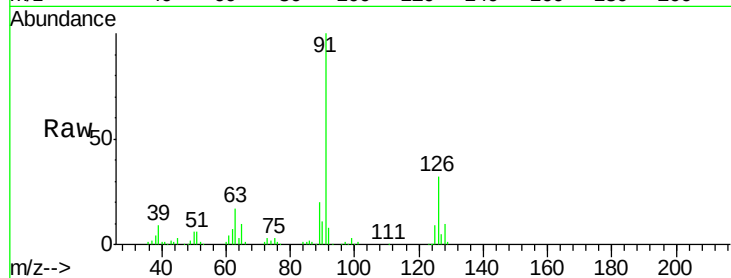
126 32.4 16.4 49.1

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 18.298 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN064523.D

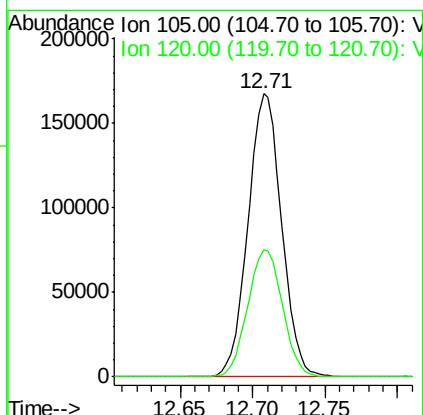
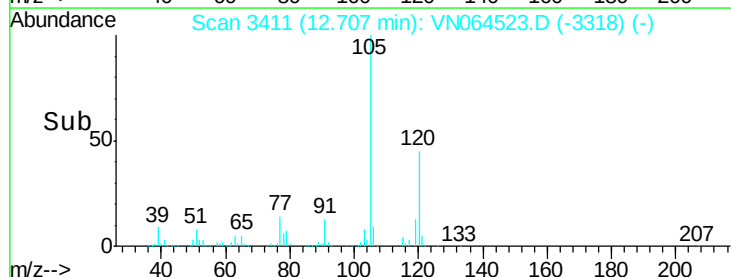
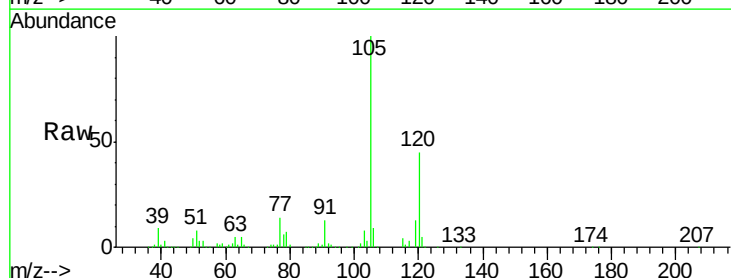
Acq: 10 Nov 2020 14:11

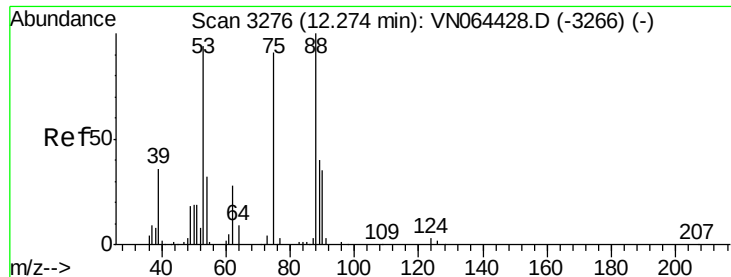
Tgt Ion: 105 Resp: 270383

Ion Ratio Lower Upper

105 100

120 46.7 23.4 70.2





#81

trans-1,4-Dichloro-2-butene

Concen: 16.410 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN064523.D

Acq: 10 Nov 2020 14:11

Instrument :

MSVOA_N

ClientSampleId :

VN1110WBS02

Tot Ion: 75 Resp: 32090

Ion Ratio Lower Upper

75 100

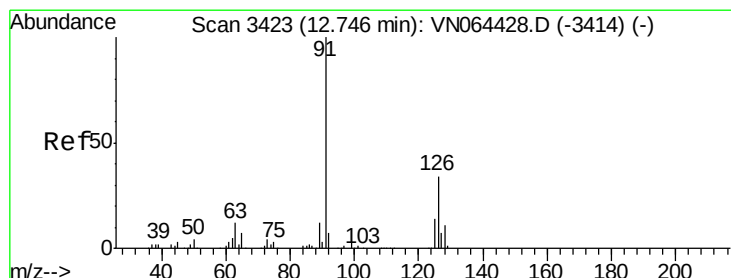
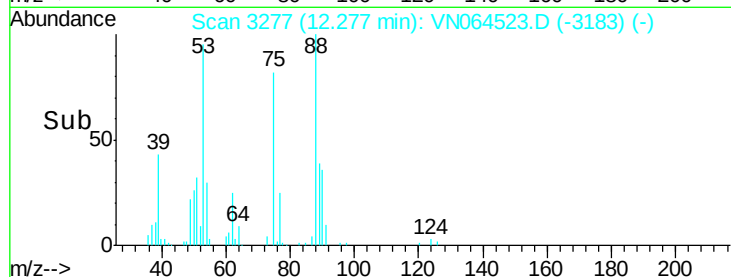
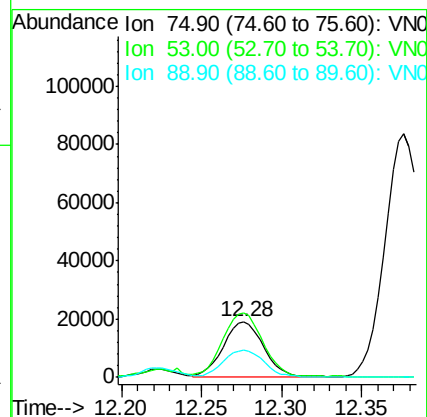
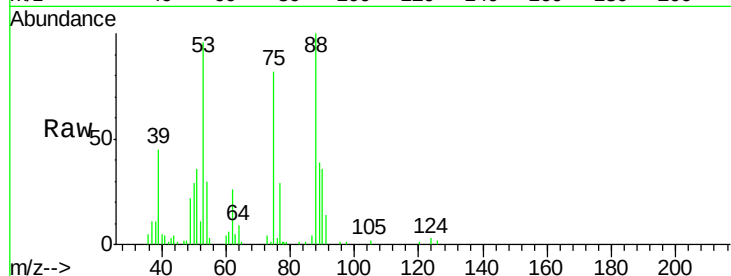
53 118.3 84.0 126.0

89 50.8 36.3 54.5

Manual Integrations
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#82

4-Chlorotoluene

Concen: 18.269 ug/l

RT: 12.75 min Scan# 3424

Delta R.T. 0.00 min

Lab File: VN064523.D

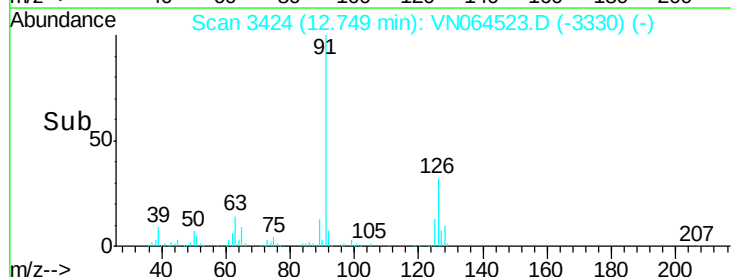
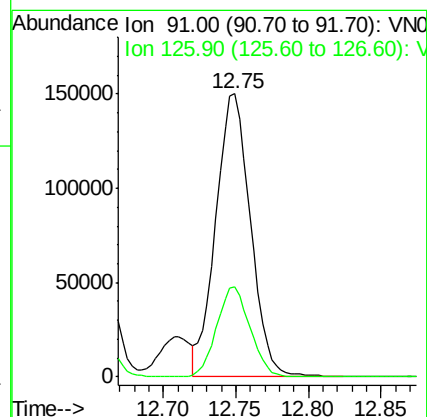
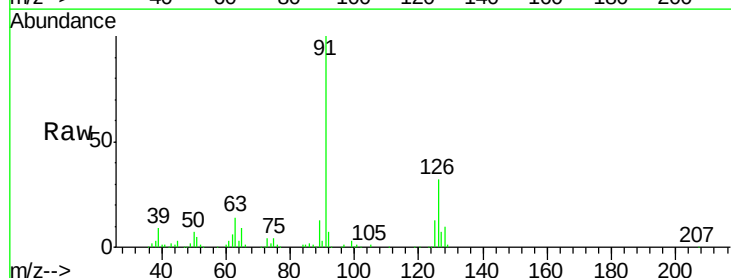
Acq: 10 Nov 2020 14:11

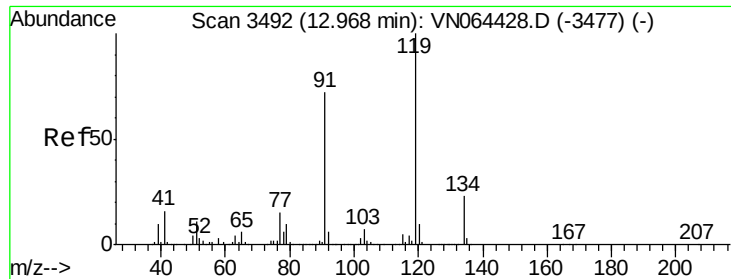
Tgt Ion: 91 Resp: 247787

Ion Ratio Lower Upper

91 100

126 30.4 15.4 46.2





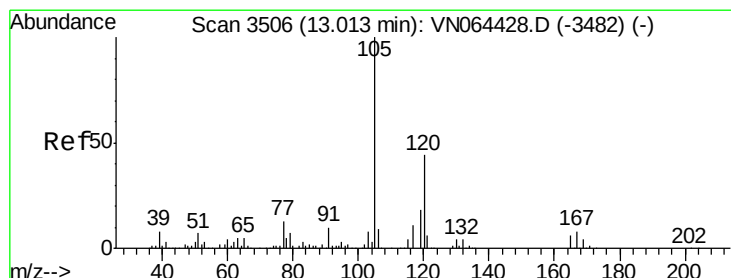
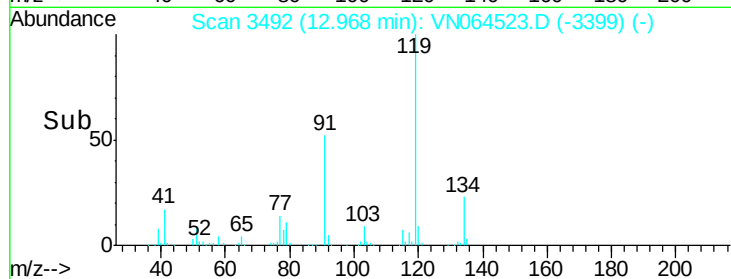
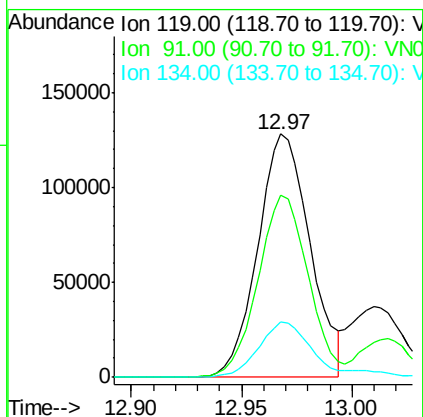
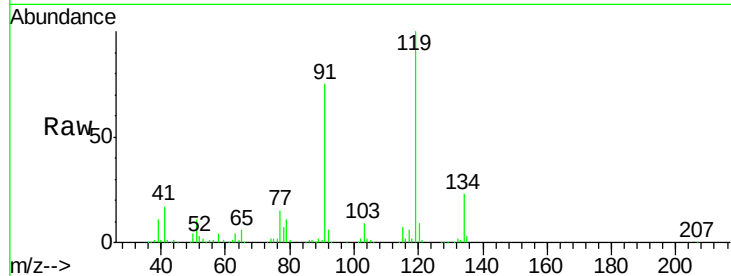
#83
tert-Butylbenzene
Concen: 18.249 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. -0.00 min
Lab File: VN064523.D
Acq: 10 Nov 2020 14:11

Instrument :
MSVOA_N
ClientSampleId :
VN1110WBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	72.5	36.1	108.3
134	24.6	11.7	35.1

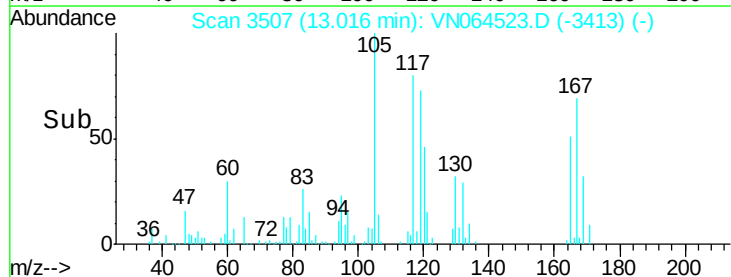
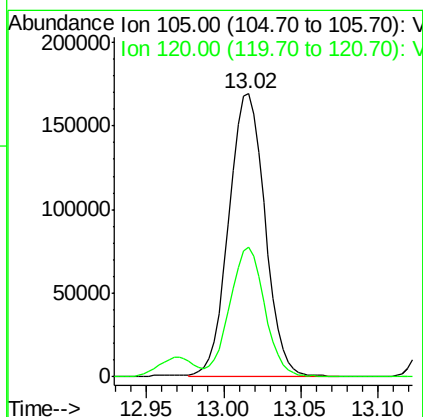
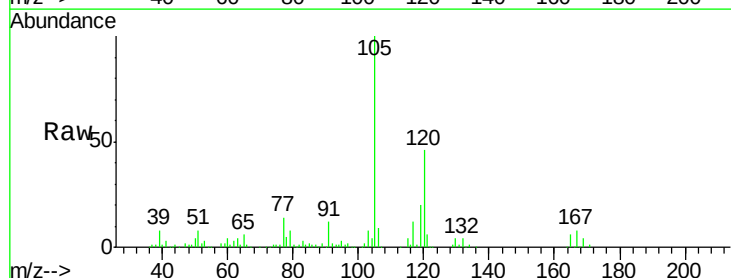
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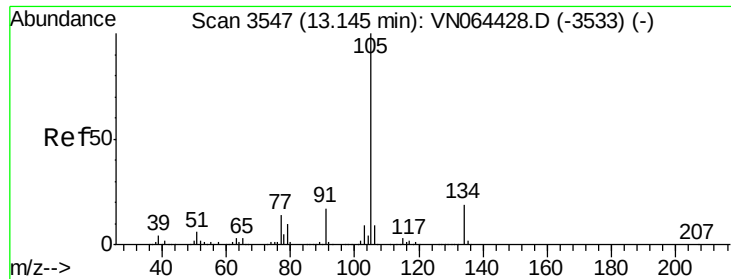
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#84
1,2,4-Trimethylbenzene
Concen: 18.412 ug/l
RT: 13.02 min Scan# 3507
Delta R.T. 0.00 min
Lab File: VN064523.D
Acq: 10 Nov 2020 14:11

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.6	21.9	65.7





#85

sec-Butylbenzene

Concen: 18.933 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN064523.D

Acq: 10 Nov 2020 14:11

Instrument :

MSVOA_N

ClientSampleId :

VN1110WBS02

Tot Ion:105 Resp: 276729

Ion Ratio Lower Upper

105 100

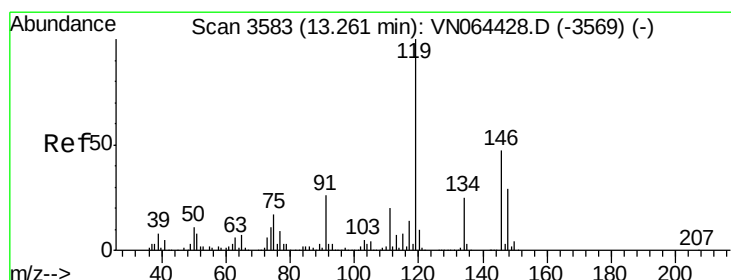
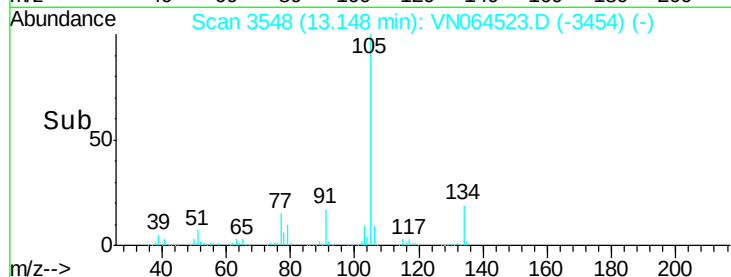
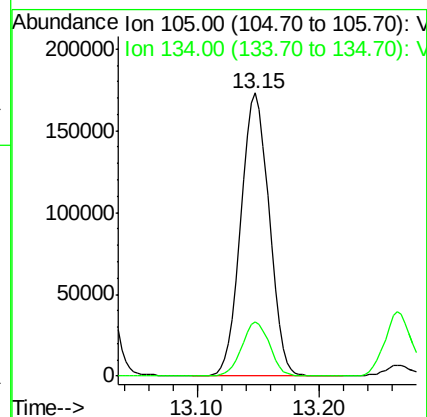
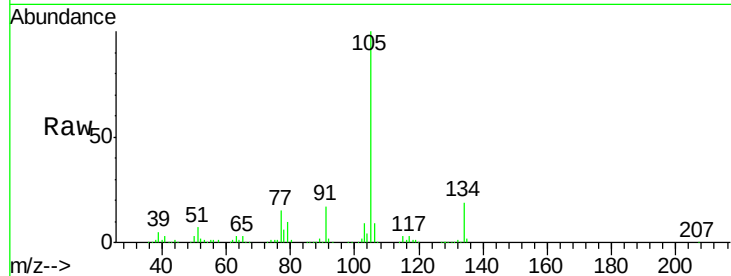
134 18.8 9.4 28.2

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#86

p-Isopropyltoluene

Concen: 18.654 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064523.D

Acq: 10 Nov 2020 14:11

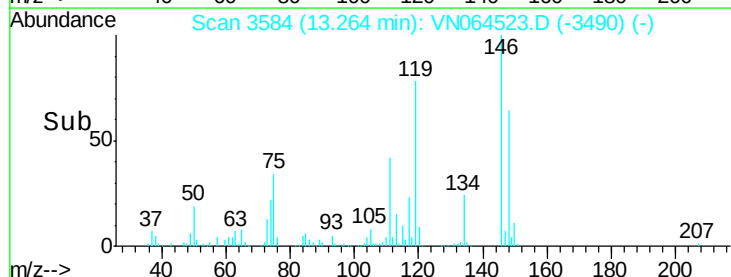
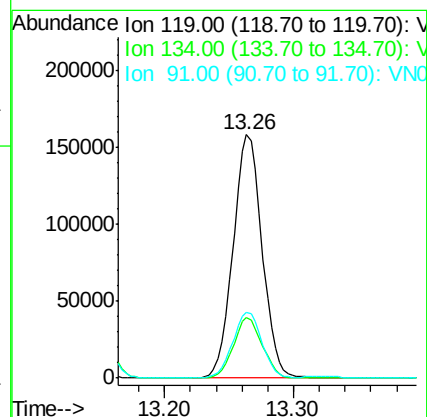
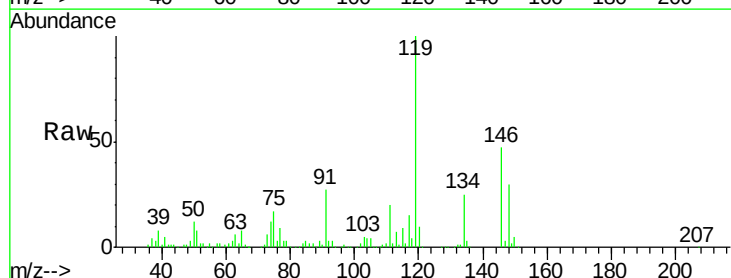
Tgt Ion:119 Resp: 245243

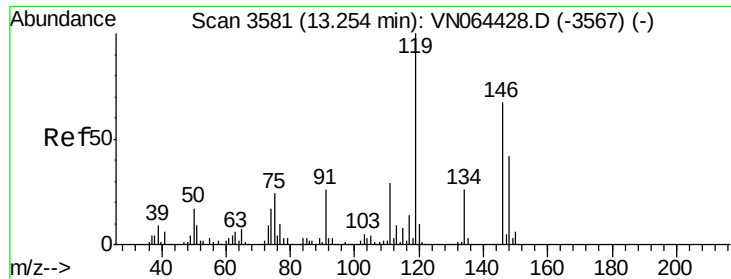
Ion Ratio Lower Upper

119 100

134 24.8 12.6 37.6

91 27.3 12.8 38.3





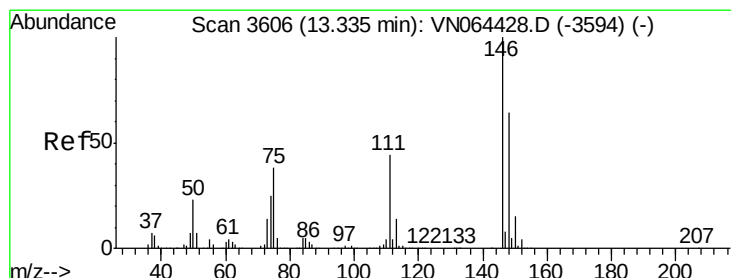
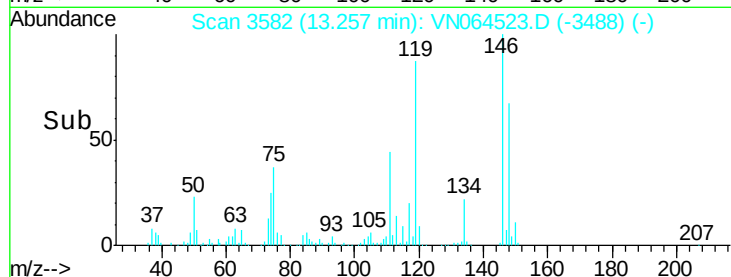
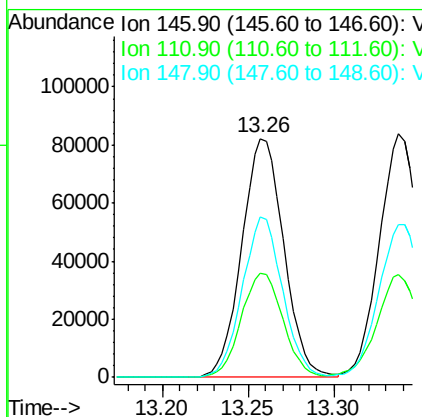
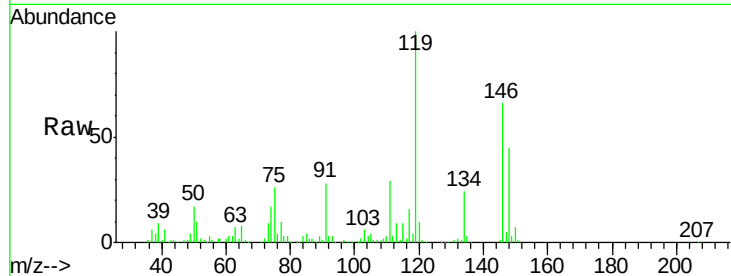
#87
 1,3-Dichlorobenzene
 Concen: 18.439 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064523.D
 Acq: 10 Nov 2020 14:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1110WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.3	22.1	66.1
148	64.3	31.7	95.1

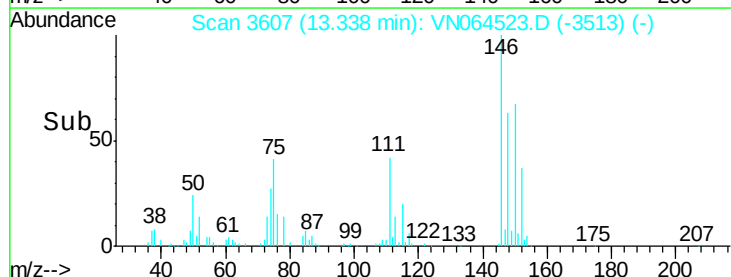
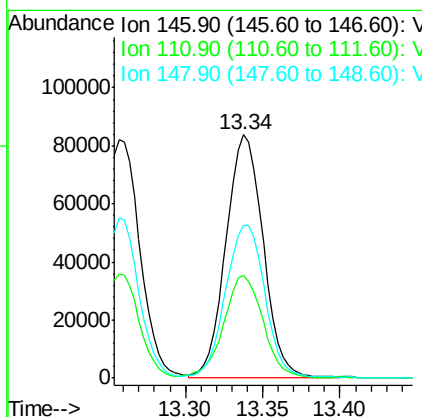
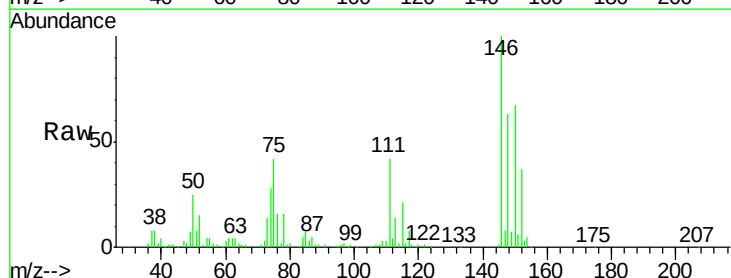
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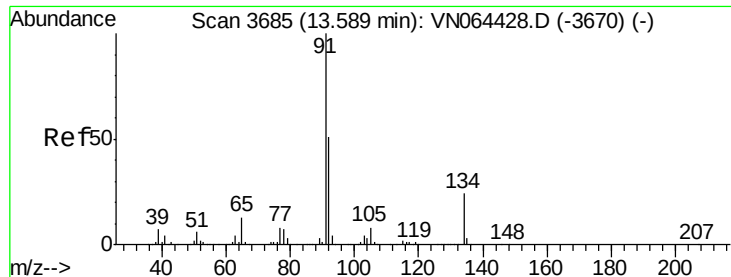
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 11/11/2020 1:01:28 PM



#88
 1,4-Dichlorobenzene
 Concen: 17.790 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064523.D
 Acq: 10 Nov 2020 14:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.5	21.8	65.3
148	66.2	32.4	97.2





#89

n-Butylbenzene

Concen: 18.789 ug/l

RT: 13.59 min Scan# 3686

Delta R.T. 0.00 min

Lab File: VN064523.D

Acq: 10 Nov 2020 14:11

Instrument :

MSVOA_N

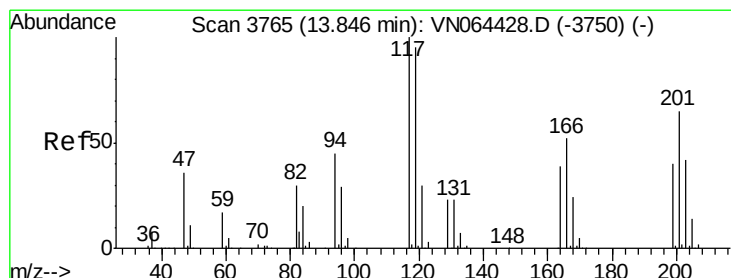
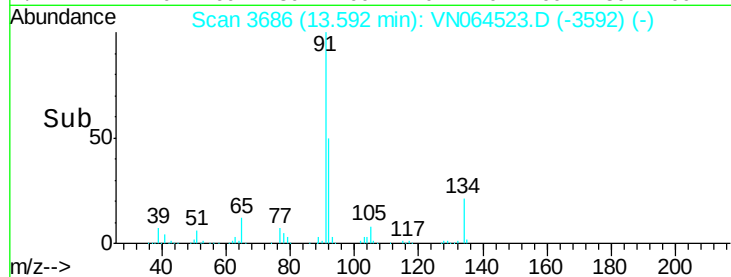
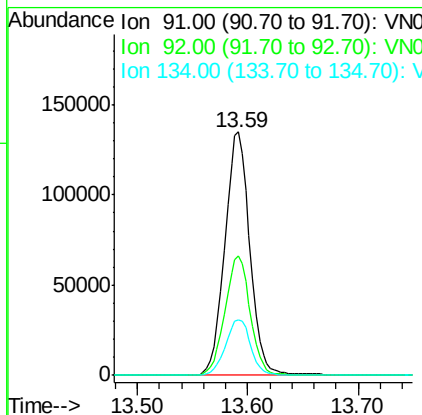
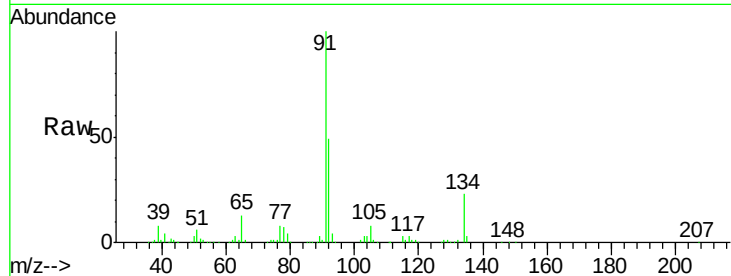
ClientSampleId :

VN1110WBS02

Tot Ion:	91	Resp:	212384
Ion Ratio	Lower	Upper	
91	100		
92	49.5	25.3	75.9
134	22.8	11.8	35.4

Manual Integrations
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#90

Hexachloroethane

Concen: 18.941 ug/l

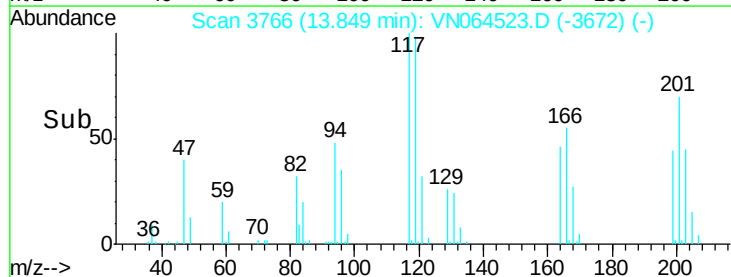
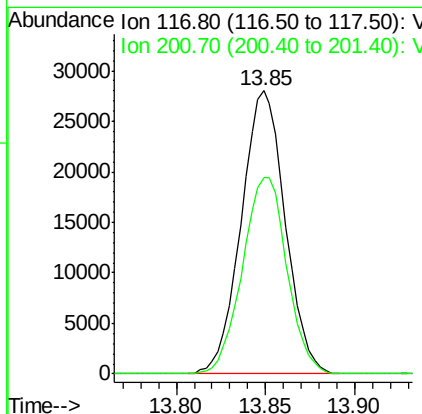
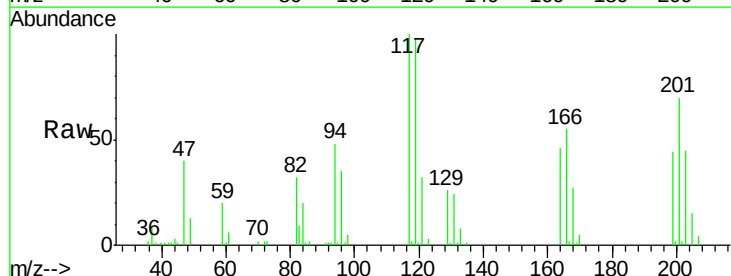
RT: 13.85 min Scan# 3766

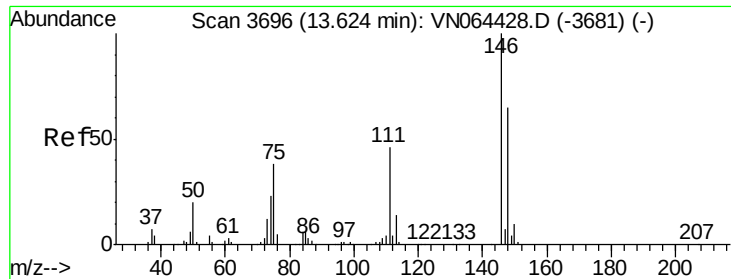
Delta R.T. 0.00 min

Lab File: VN064523.D

Acq: 10 Nov 2020 14:11

Tgt Ion:	117	Resp:	48036
Ion Ratio	Lower	Upper	
117	100		
201	70.3	32.5	97.5





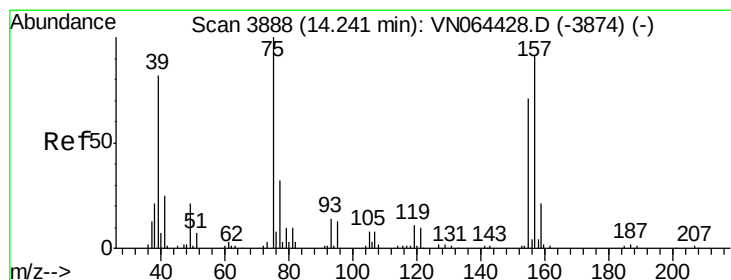
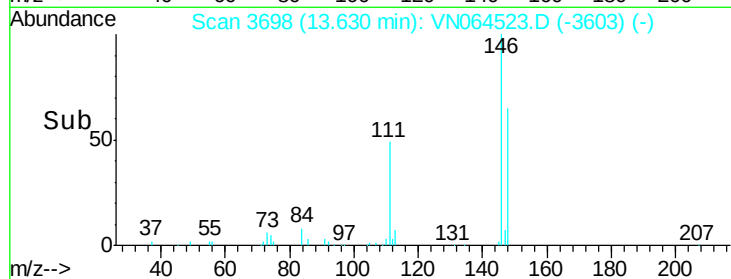
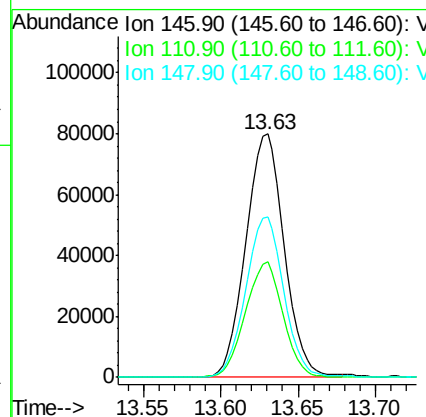
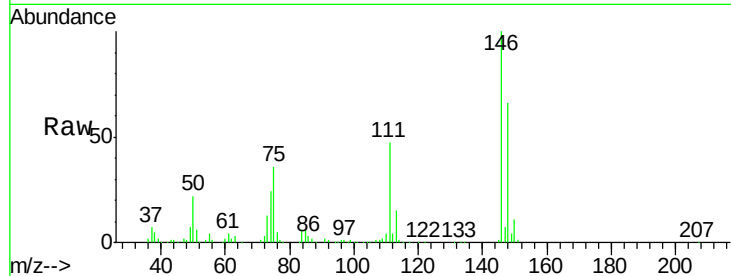
#91
 1,2-Dichlorobenzene
 Concen: 19.036 ug/l
 RT: 13.63 min Scan# 3698
 Delta R.T. 0.01 min
 Lab File: VN064523.D
 Acq: 10 Nov 2020 14:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1110WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.4	22.9	68.7
148	65.1	32.0	96.2

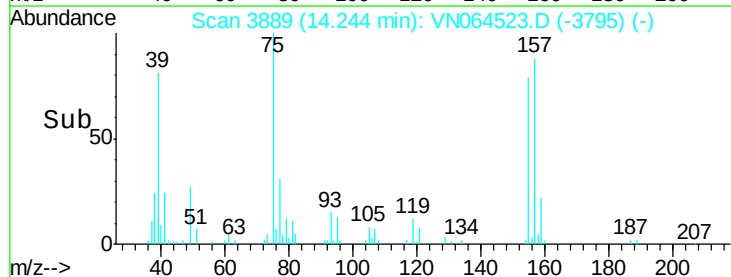
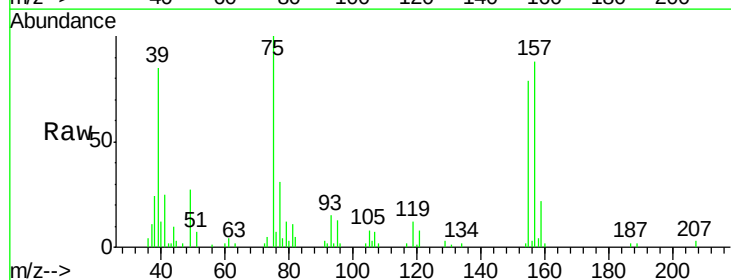
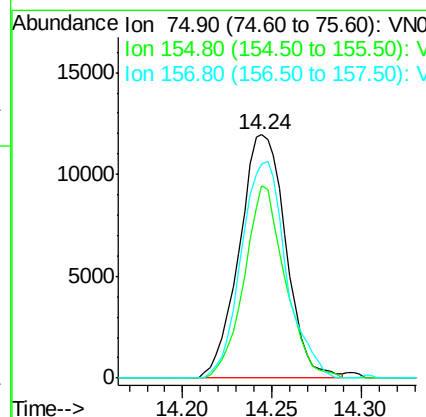
Manual Integrations
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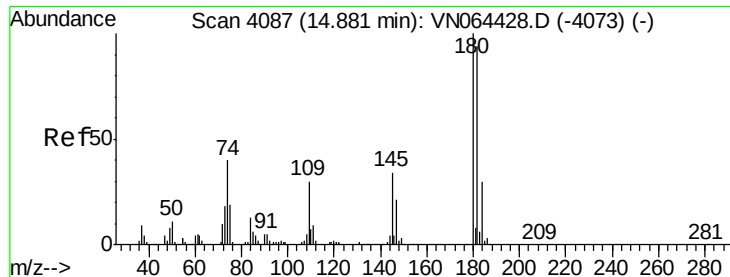
MMDadoda
 11/11/2020 1:01:28 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.838 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN064523.D
 Acq: 10 Nov 2020 14:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	69.3	34.6	103.9
157	85.8	43.0	128.8





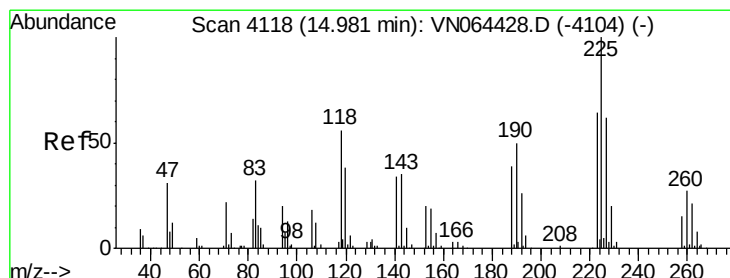
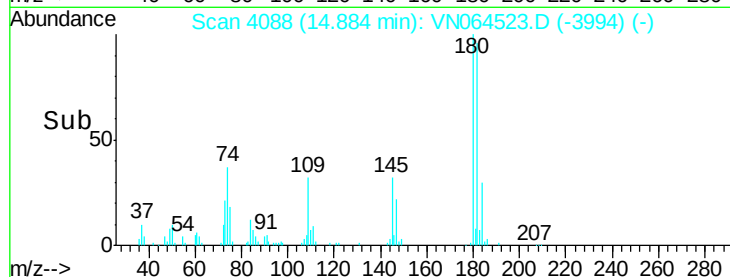
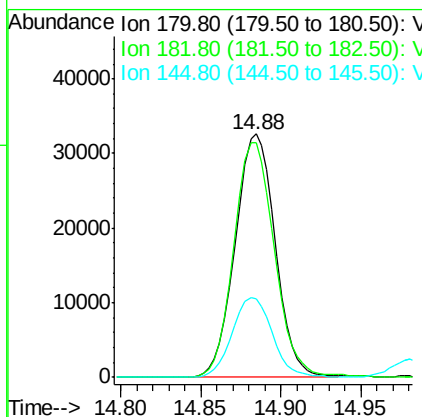
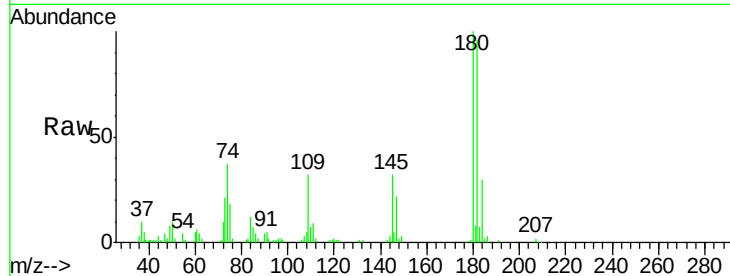
#93
 1,2,4-Trichlorobenzene
 Concen: 17.276 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN064523.D
 Acq: 10 Nov 2020 14:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1110WBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.3	47.3	142.0
145	32.8	16.7	50.1

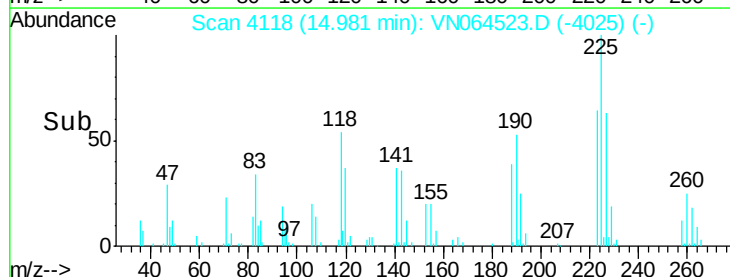
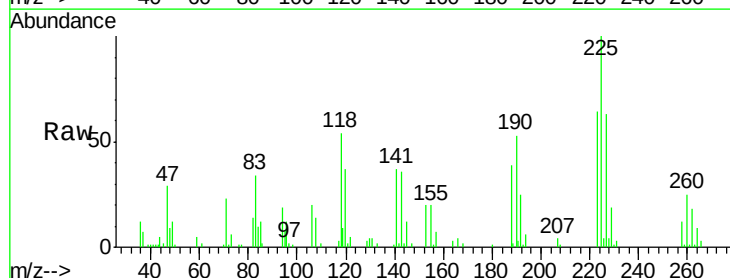
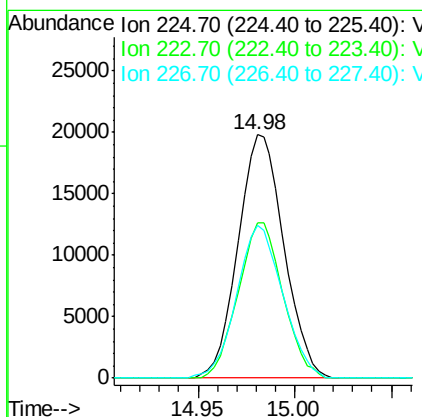
Manual Integrations
 APPROVED

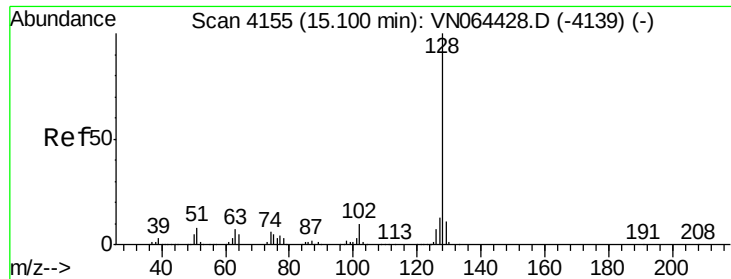
MMDadoda
 11/11/2020 1:01:28 PM



#94
 Hexachlorobutadiene
 Concen: 22.010 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064523.D
 Acq: 10 Nov 2020 14:11

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.8	95.4
227	62.7	31.8	95.4





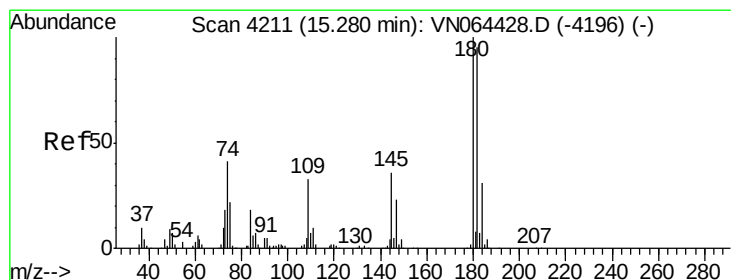
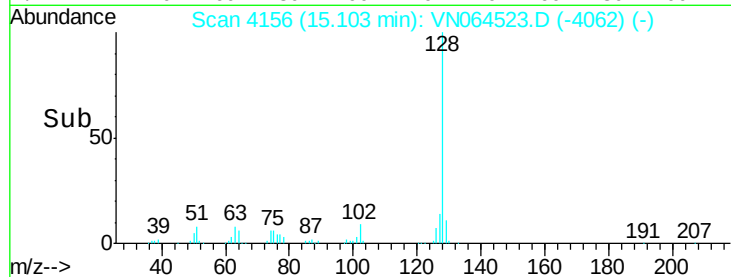
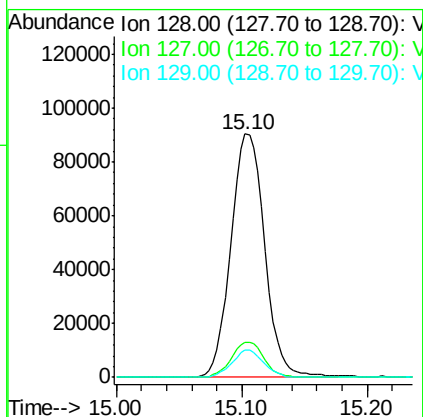
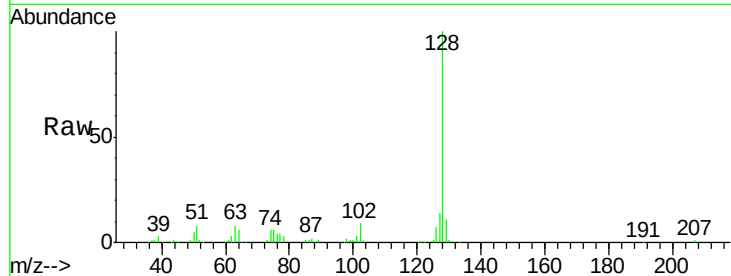
#95
Naphthalene
Concen: 16.331 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN064523.D
Acq: 10 Nov 2020 14:11

Instrument :
MSVOA_N
ClientSampleId :
VN1110WBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.5	15.7
129	10.5	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
11/11/2020 1:01:28 PM



#96
1,2,3-Trichlorobenzene
Concen: 18.524 ug/l
RT: 15.29 min Scan# 4213
Delta R.T. 0.01 min
Lab File: VN064523.D
Acq: 10 Nov 2020 14:11

Tgt Ion	Ratio	Lower	Upper
180	100		
182	90.9	47.7	143.1
145	34.4	18.3	54.8

