

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111320\
 Data File : VN064625.D
 Acq On : 13 Nov 2020 12:29
 Operator : JC/MD
 Sample : VN1113WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1113WBS01

Manual Integrations
 APPROVED

MMDadoda
 11/17/2020 6:41:27 PM

Quant Time: Nov 17 02:33:09 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	281719	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	503570	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	469599	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	212436	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	250293	51.01	ug/l	0.00
Spiked Amount			Recovery	=	102.02%	
35) Dibromofluoromethane	7.55	113	168607	49.18	ug/l	0.00
Spiked Amount			Recovery	=	98.36%	
50) Toluene-d8	10.06	98	633381	47.80	ug/l	0.00
Spiked Amount			Recovery	=	95.60%	
62) 4-Bromofluorobenzene	12.38	95	229724	45.84	ug/l	0.00
Spiked Amount			Recovery	=	91.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	66207	18.054	ug/l	98
3) Chloromethane	2.04	50	74249	16.669	ug/l	99
4) Vinyl Chloride	2.17	62	81859	17.896	ug/l	99
5) Bromomethane	2.54	94	59156	20.244	ug/l	95
6) Chloroethane	2.68	64	56480	19.285	ug/l	96
7) Trichlorofluoromethane	2.99	101	137706	20.445	ug/l	100
8) Diethyl Ether	3.37	74	46978	19.750	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	62015	19.388	ug/l	98
10) Methyl Iodide	3.91	142	67827	18.250	ug/l	98
11) Tert butyl alcohol	4.76	59	50511	93.340	ug/l #	92
12) 1,1-Dichloroethene	3.69	96	55603	18.455	ug/l	96
13) Acrolein	3.57	56	19249	57.345	ug/l	94
14) Allyl chloride	4.27	41	99292	16.847	ug/l	96
15) Acrylonitrile	4.93	53	150370	99.805	ug/l	98
16) Acetone	3.78	43	175485	93.882	ug/l	98
17) Carbon Disulfide	4.01	76	159230	17.672	ug/l	98
18) Methyl Acetate	4.28	43	76538	20.828	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	186951	17.240	ug/l	100
20) Methylene Chloride	4.50	84	67545	18.213	ug/l	96
21) trans-1,2-Dichloroethene	4.98	96	62399	18.240	ug/l	95
22) Diisopropyl ether	5.90	45	215359	17.213	ug/l	93
23) Vinyl Acetate	5.85	43	890401	87.484	ug/l	98
24) 1,1-Dichloroethane	5.79	63	128360	18.671	ug/l	99
25) 2-Butanone	6.79	43	226392	95.057	ug/l	99
26) 2,2-Dichloropropane	6.77	77	114962	18.472	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	69511	17.536	ug/l	99
28) Bromochloromethane	7.15	49	62523	18.502	ug/l	98
29) Tetrahydrofuran	7.17	42	133440	91.323	ug/l	100
30) Chloroform	7.33	83	137034	18.962	ug/l	96
31) Cyclohexane	7.61	56	97070	16.273	ug/l #	93
32) 1,1,1-Trichloroethane	7.53	97	124047	19.353	ug/l	98
36) 1,1-Dichloropropene	7.75	75	92831	17.450	ug/l	98
37) Ethyl Acetate	6.88	43	93687	17.849	ug/l	98
38) Carbon Tetrachloride	7.73	117	107715	18.945	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	80576	16.896	ug/l	98
40) Benzene	8.00	78	276973	17.718	ug/l	99
41) Methacrylonitrile	7.13	41	40564m	17.199	ug/l	
42) 1,2-Dichloroethane	8.09	62	117561	18.635	ug/l	100
43) Isopropyl Acetate	8.13	43	157370	18.254	ug/l	97
44) Trichloroethene	8.80	130	69401	17.596	ug/l	98
45) 1,2-Dichloropropane	9.09	63	77073	18.478	ug/l	98
46) Dibromomethane	9.17	93	54194	19.737	ug/l	98
47) Bromodichloromethane	9.37	83	114108	19.327	ug/l	99
48) Methyl methacrylate	9.17	41	74895	17.216	ug/l	96
49) 1,4-Dioxane	9.17	88	21145	369.023	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	486373	96.739	ug/l	98
52) Toluene	10.12	92	173364	18.183	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	113527	18.137	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	119836	17.907	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	70903	19.068	ug/l	96
56) Ethyl methacrylate	10.40	69	90842	16.143	ug/l	98
57) 1,3-Dichloropropane	10.68	76	119591	18.426	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	249269	100.337	ug/l	98
59) 2-Hexanone	10.72	43	349292	87.853	ug/l	98
60) Dibromochloromethane	10.87	129	80052	19.229	ug/l	97
61) 1,2-Dibromoethane	10.98	107	71907	19.065	ug/l	100
64) Tetrachloroethene	10.60	164	64995	17.968	ug/l	91
65) Chlorobenzene	11.41	112	183069	17.783	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	71094	18.511	ug/l	98
67) Ethyl Benzene	11.48	91	316920	17.307	ug/l	99
68) m/p-Xylenes	11.60	106	236196	35.567	ug/l	98
69) o-Xylene	11.92	106	109651	17.087	ug/l	97
70) Styrene	11.94	104	188525	17.459	ug/l	99
71) Bromoform	12.10	173	51708	18.749	ug/l #	100
73) Isopropylbenzene	12.22	105	292042	17.296	ug/l	99
74) N-amyl acetate	12.05	43	125667	16.187	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	96839	18.672	ug/l	97
76) 1,2,3-Trichloropropane	12.53	75	93763m	18.216	ug/l	
77) Bromobenzene	12.50	156	73976	17.945	ug/l	99
78) n-propylbenzene	12.57	91	348643	18.111	ug/l	99
79) 2-Chlorotoluene	12.65	91	221518	18.143	ug/l	97
80) 1,3,5-Trimethylbenzene	12.71	105	250655	17.994	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	32397	17.574	ug/l	96
82) 4-Chlorotoluene	12.75	91	232115	18.153	ug/l	99
83) tert-Butylbenzene	12.97	119	192936	17.734	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	252968	18.065	ug/l	98
85) sec-Butylbenzene	13.14	105	257910	18.719	ug/l	99
86) p-Isopropyltoluene	13.26	119	230074	18.564	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	129154	18.124	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	134929	18.322	ug/l	98
89) n-Butylbenzene	13.59	91	198765	18.653	ug/l	97
90) Hexachloroethane	13.85	117	48259	20.186	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	126002	18.382	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	20132	19.497	ug/l	96

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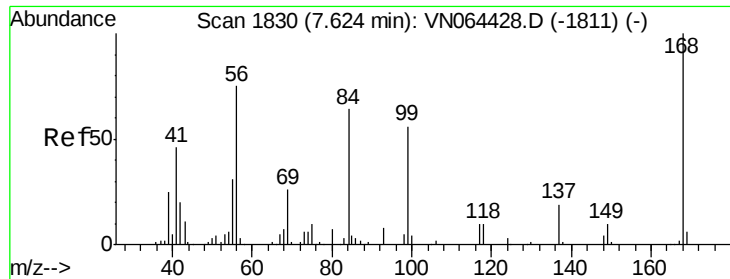
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	52101	17.134	ug/l	99
94) Hexachlorobutadiene	14.98	225	31117	22.296	ug/l	97
95) Naphthalene	15.10	128	153272	15.825	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	54072	18.261	ug/l	98

(#) = 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: VN064625.D

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Instrument :

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ClientSampleId :

VN1113WBS01

Tot Ion:168 Resp: 281719

Ion Ratio Lower Upper

168 100

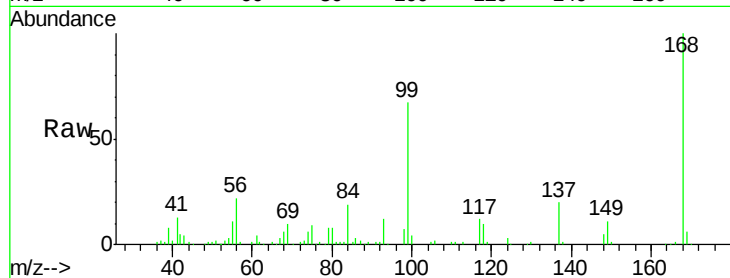
99 66.9 53.4 80.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

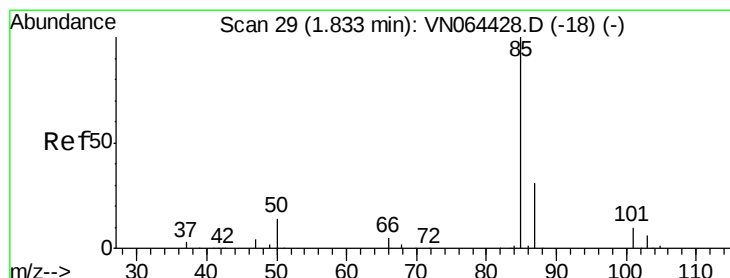
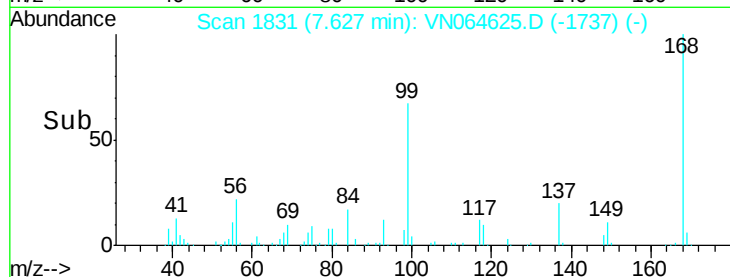
7.63

100000

50000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 18.054 ug/l

RT: 1.83 min Scan# 29

Delta R.T. -0.00 min

Lab File: VN064625.D

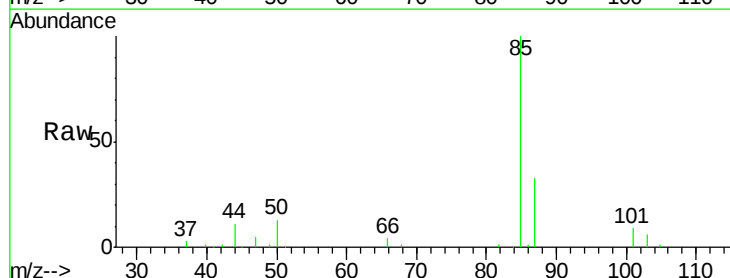
Acq: 13 Nov 2020 12:29

Tgt Ion: 85 Resp: 66207

Ion Ratio Lower Upper

85 100

87 32.5 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

50000

40000

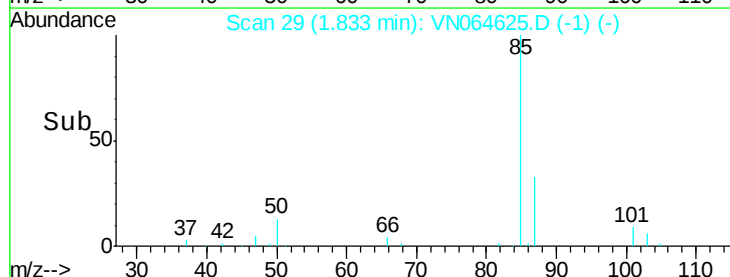
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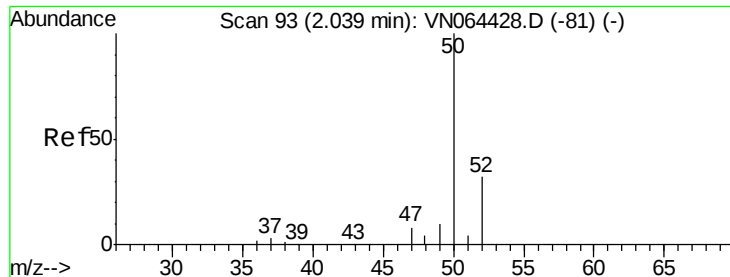
20000

10000

0

Time--> 1.75 1.80 1.85 1.90





#3

Chloromethane

Concen: 16.669 ug/l

RT: 2.04 min Scan# 94

Delta R.T. 0.00 min

Lab File: VN064625.D

Acq: 13 Nov 2020 12:29

Instrument :

MSVOA_N

ClientSampleId :

VN1113WBS01

Tot Ion: 50 Resp: 74249

Ion Ratio Lower Upper

50 100

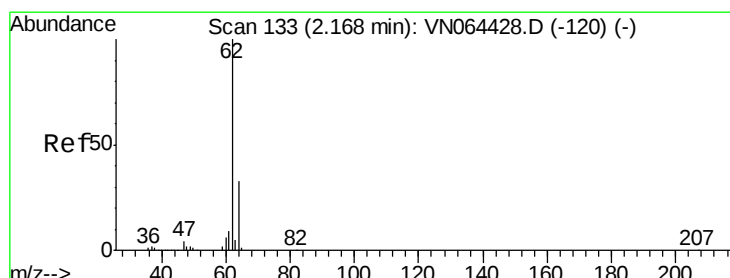
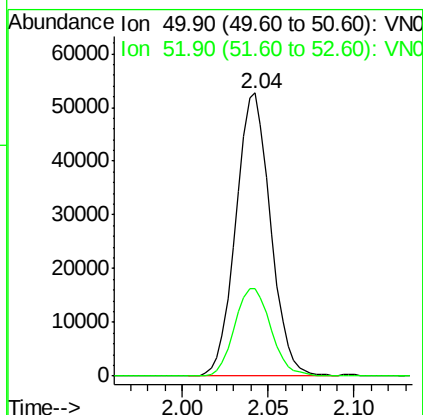
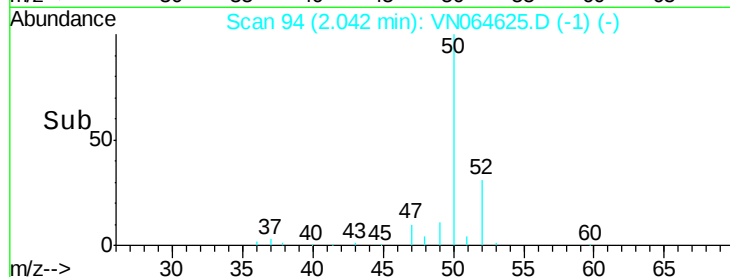
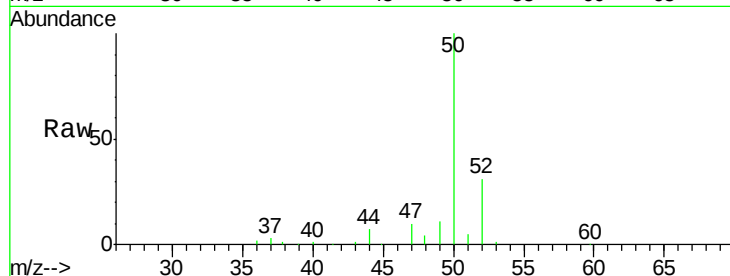
52 31.0 25.3 37.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.896 ug/l

RT: 2.17 min Scan# 133

Delta R.T. -0.00 min

Lab File: VN064625.D

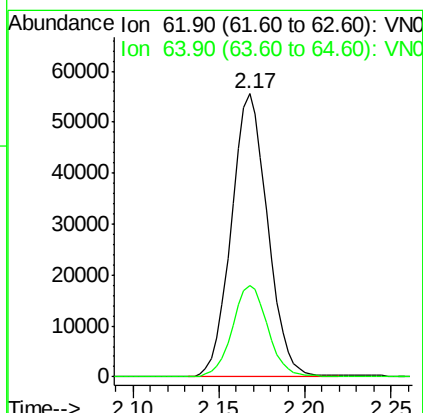
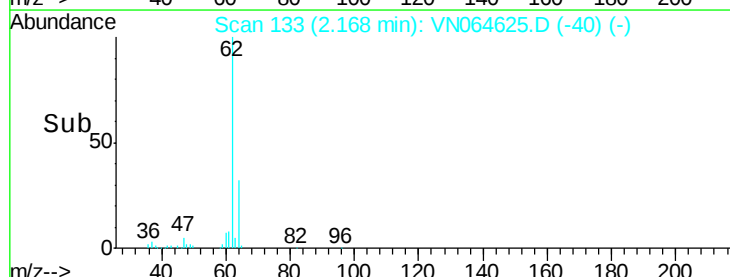
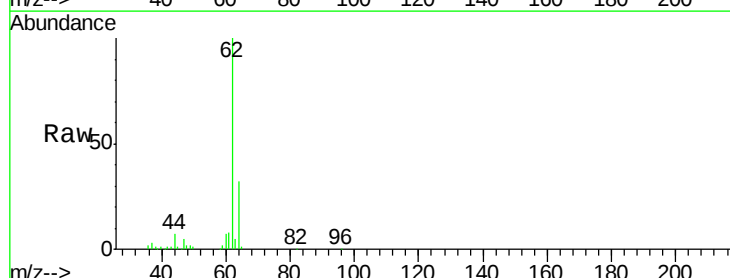
Acq: 13 Nov 2020 12:29

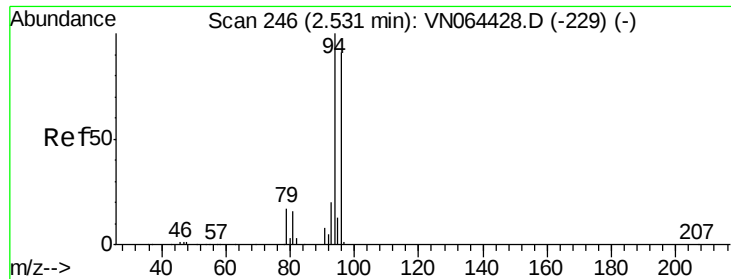
Tgt Ion: 62 Resp: 81859

Ion Ratio Lower Upper

62 100

64 32.4 26.3 39.5





#5

Bromomethane

Concen: 20.244 ug/l

RT: 2.54 min Scan# 249

Delta R.T. 0.01 min

Lab File: VN064625.D

Acq: 13 Nov 2020 12:29

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VN1113WBS01

Tot Ion: 94 Resp: 59156

Ion Ratio Lower Upper

94 100

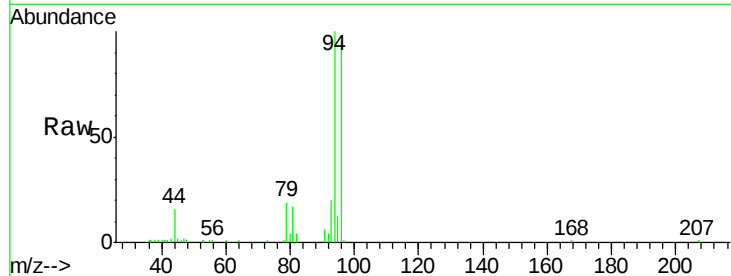
96 96.4 73.1 109.7

Manual Integrations

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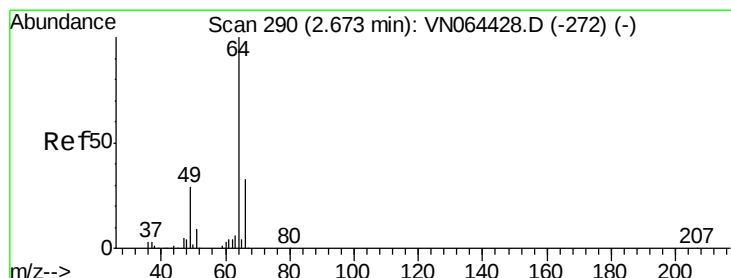
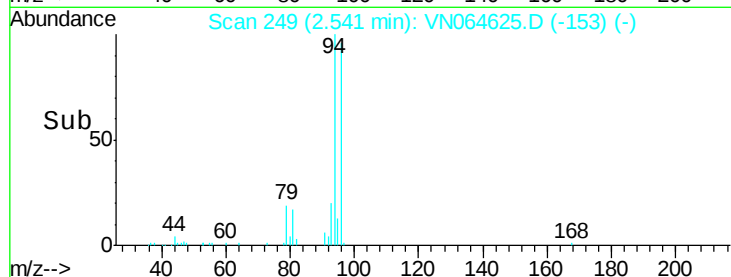
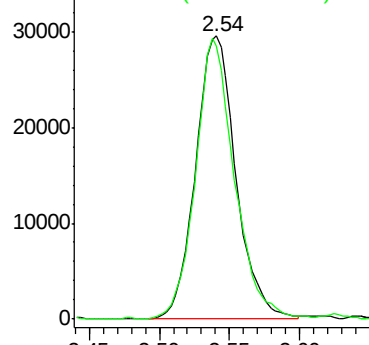
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.285 ug/l

RT: 2.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VN064625.D

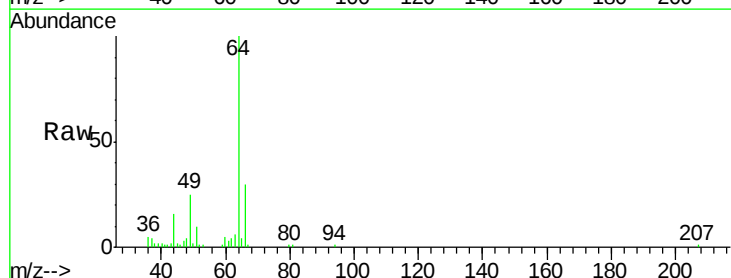
Acq: 13 Nov 2020 12:29

Tgt Ion: 64 Resp: 56480

Ion Ratio Lower Upper

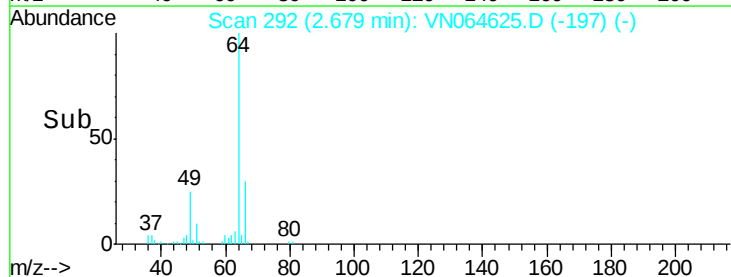
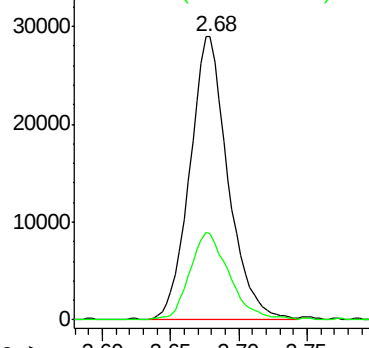
64 100

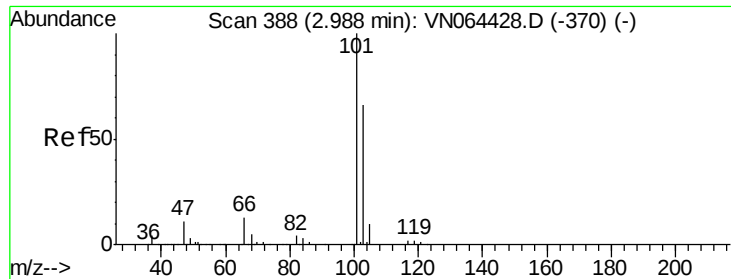
66 30.5 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

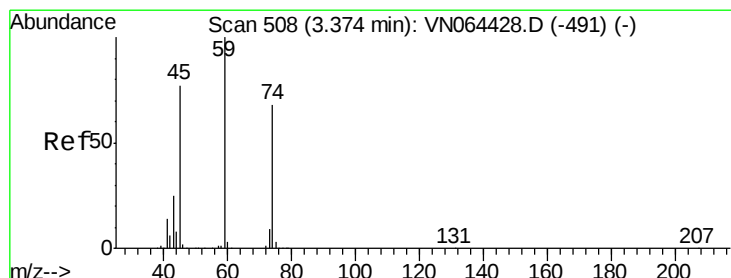
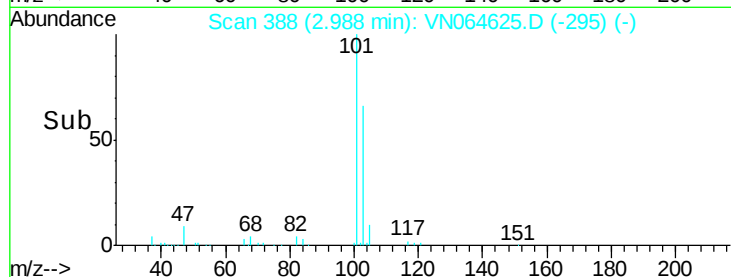
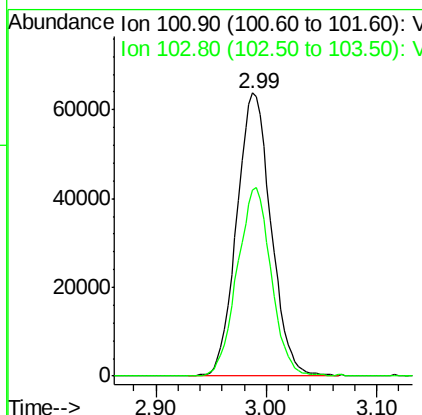
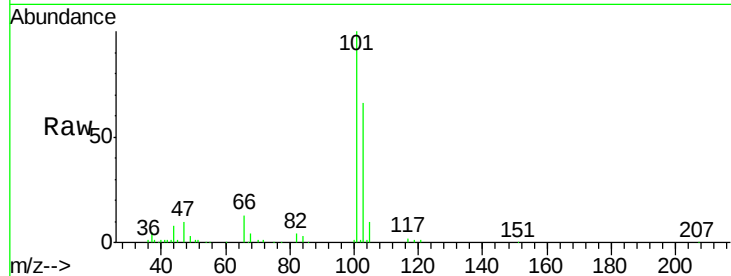
Trichlorofluoromethane
Concen: 20.445 ug/l
RT: 2.99 min Scan# 388
Delta R.T. -0.00 min
Lab File: VN064625.D
Acq: 13 Nov 2020 12:29

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	52.4	78.6

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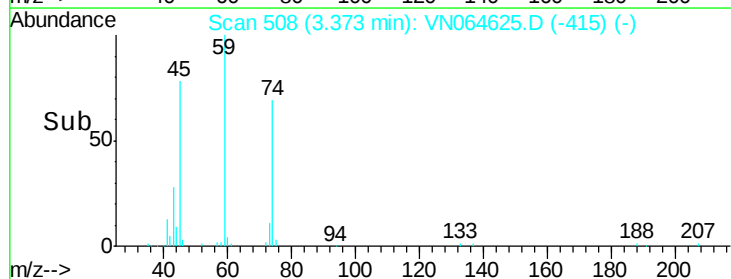
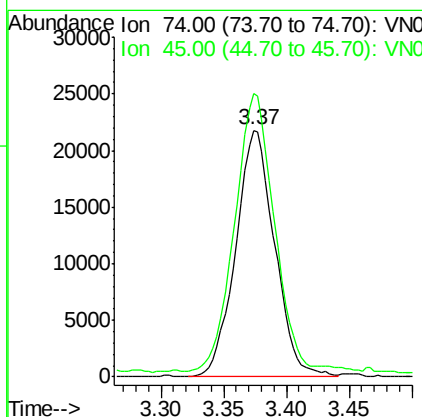
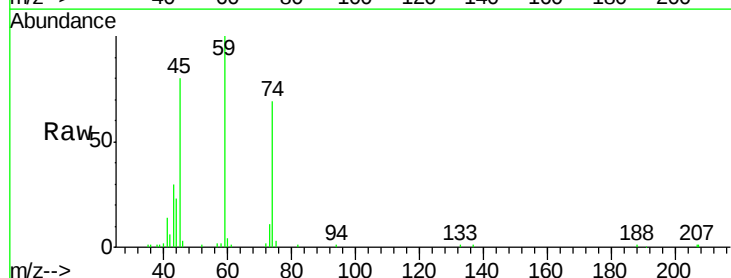
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11/17/2020 6:41:27 PM

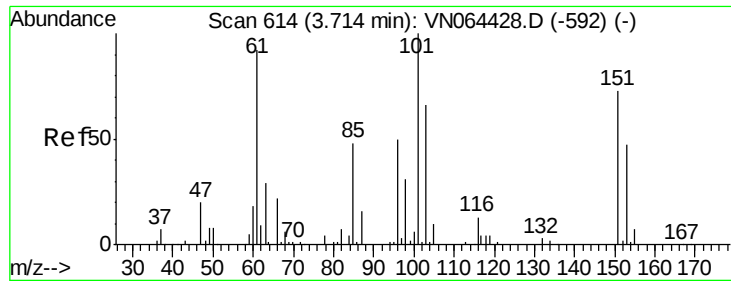


#8

Diethyl Ether
Concen: 19.750 ug/l
RT: 3.37 min Scan# 508
Delta R.T. -0.00 min
Lab File: VN064625.D
Acq: 13 Nov 2020 12:29

Tgt Ion	Ratio	Lower	Upper
74	100		
45	113.6	55.9	167.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.388 ug/l

RT: 3.72 min Scan# 615

Delta R.T. 0.00 min

Lab File: VN064625.D

Acq: 13 Nov 2020 12:29

Instrument :

MSVOA_N

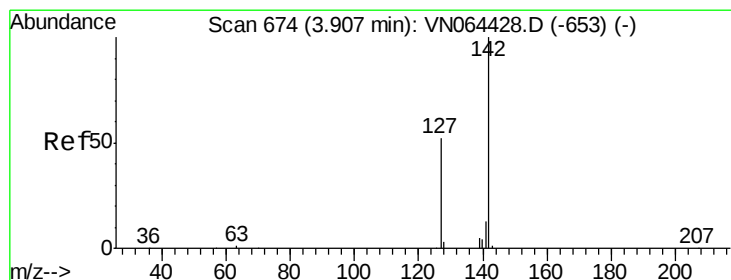
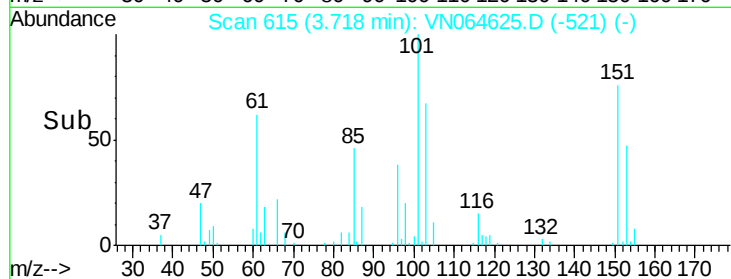
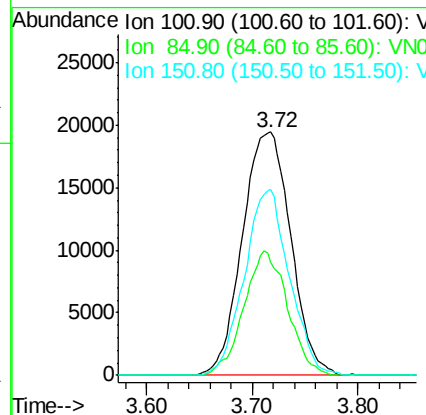
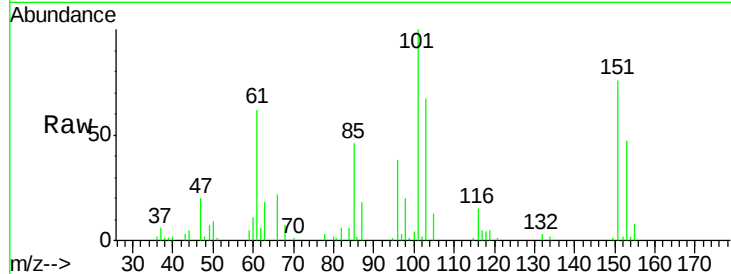
ClientSampleId :

VN1113WBS01

Tot Ion:	101	Resp:	62015
Ion Ratio	Lower	Upper	
101	100		
85	46.2	38.6	57.8
151	71.3	57.5	86.3

Manual Integrations
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#10

Methyl Iodide

Concen: 18.250 ug/l

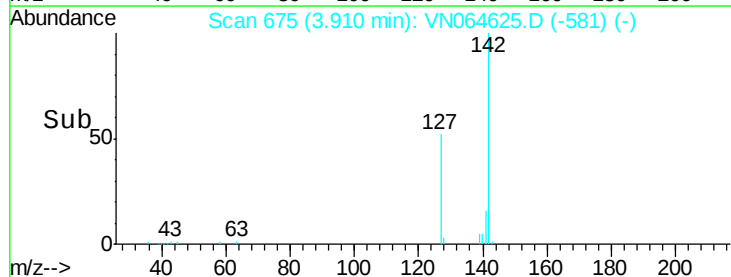
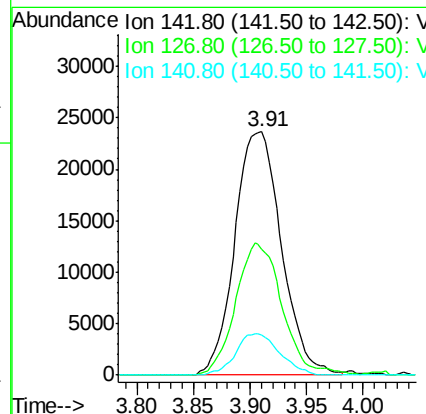
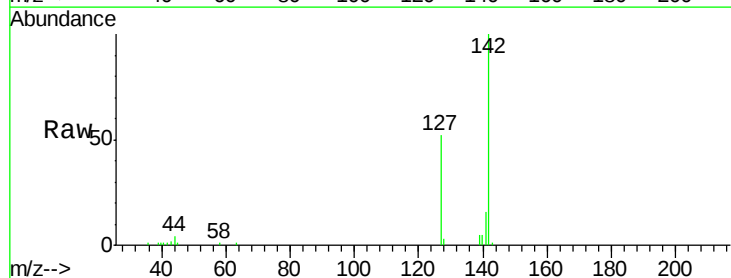
RT: 3.91 min Scan# 675

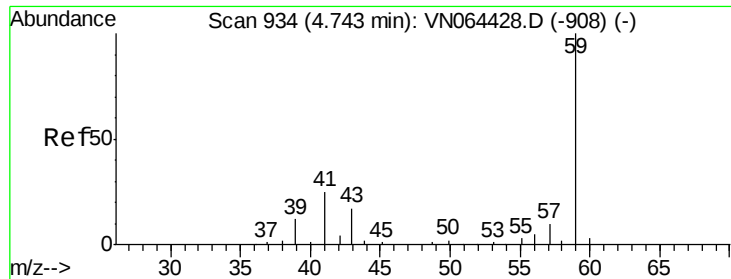
Delta R.T. 0.00 min

Lab File: VN064625.D

Acq: 13 Nov 2020 12:29

Tgt Ion:	142	Resp:	67827
Ion Ratio	Lower	Upper	
142	100		
127	52.8	41.8	62.8
141	16.1	11.4	17.2





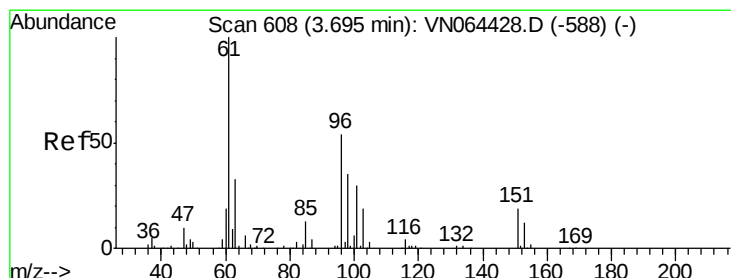
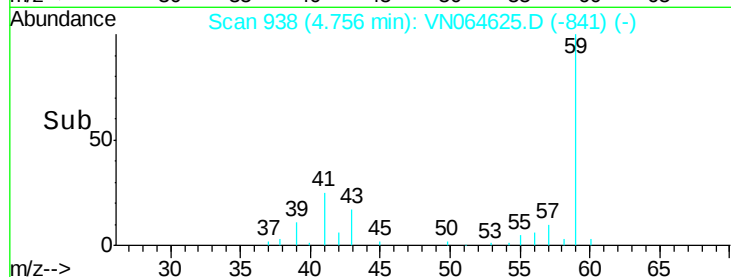
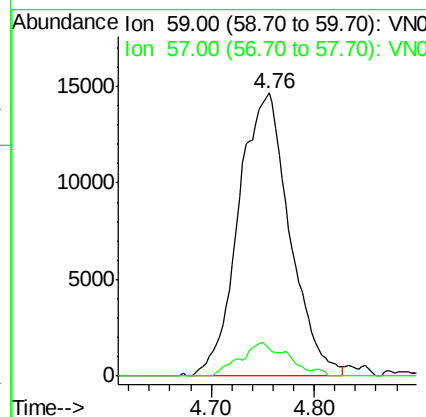
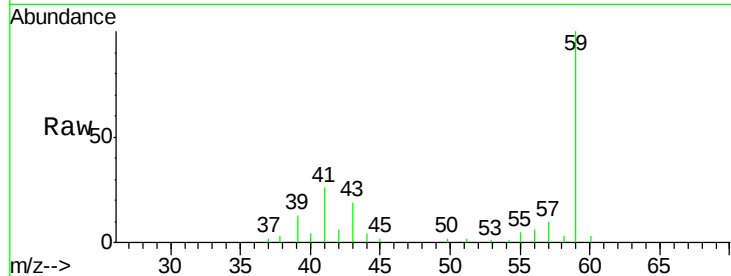
#11
Tert butyl alcohol
Concen: 93.340 ug/l
RT: 4.76 min Scan# 938
Delta R.T. 0.01 min
Lab File: VN064625.D
Acq: 13 Nov 2020 12:29

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.0	9.0	13.4#

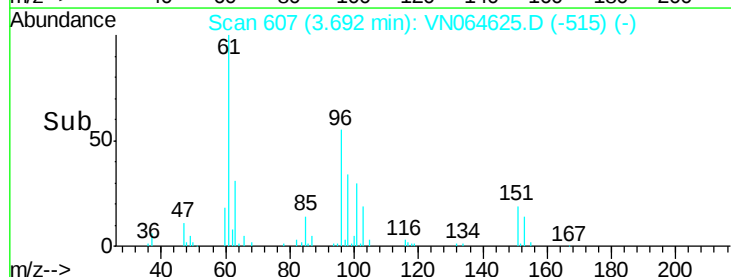
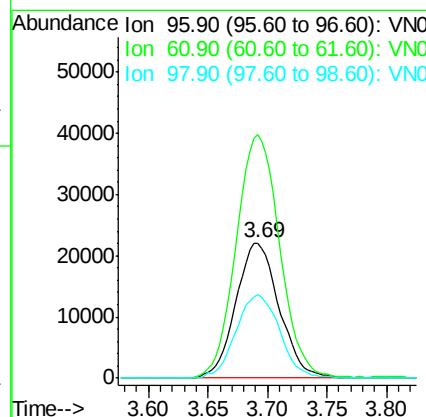
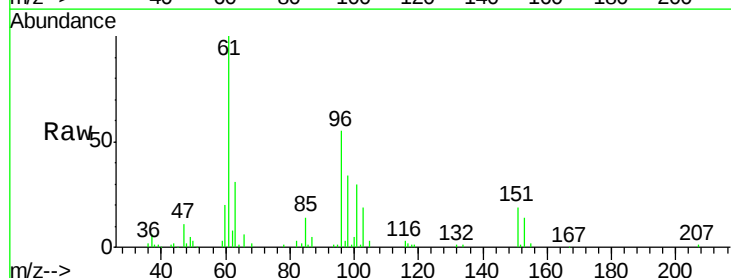
Manual Integrations
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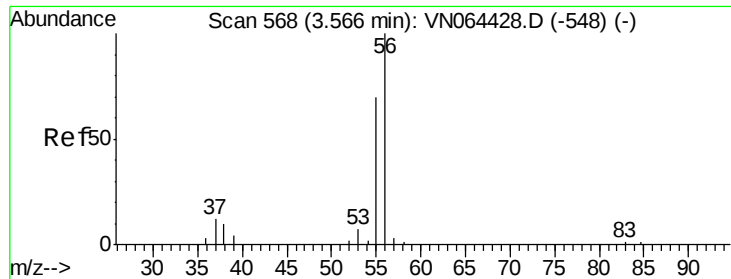
MMDadoda
11/17/2020 6:41:27 PM



#12
1,1-Dichloroethene
Concen: 18.455 ug/l
RT: 3.69 min Scan# 607
Delta R.T. -0.00 min
Lab File: VN064625.D
Acq: 13 Nov 2020 12:29

Tgt Ion	Ratio	Lower	Upper
96	100		
61	180.6	149.5	224.3
98	61.8	52.4	78.6





#13

Acrolein

Concen: 57.345 ug/l

RT: 3.57 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN064625.D

Acq: 13 Nov 2020 12:29

Instrument :

MSVOA_N

ClientSampleId :

VN1113WBS01

Tot Ion: 56 Resp: 19249

Ion Ratio Lower Upper

56 100

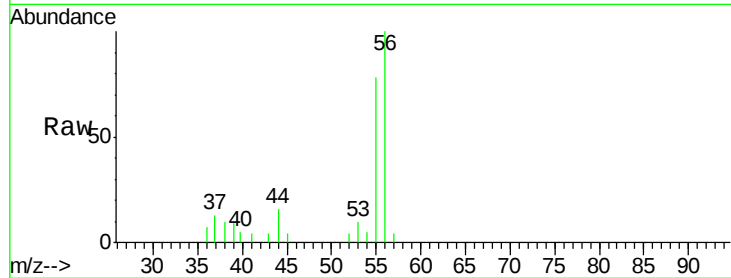
55 74.5 55.9 83.9

Manual Integrations

APPROVED

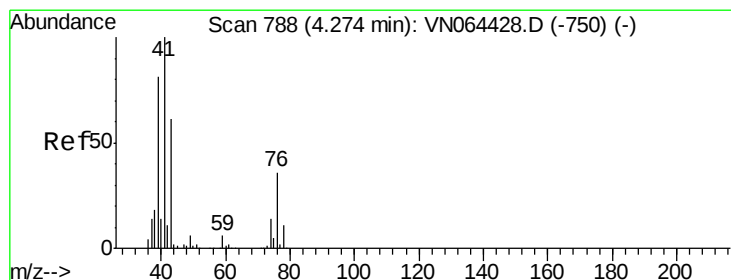
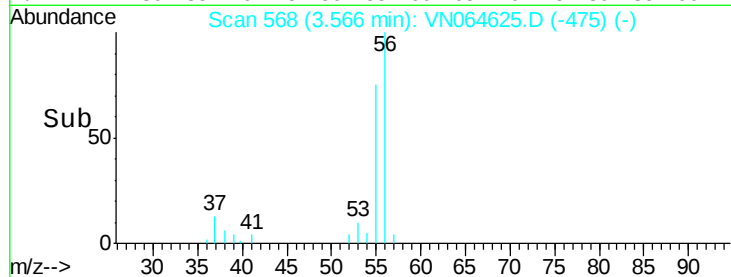
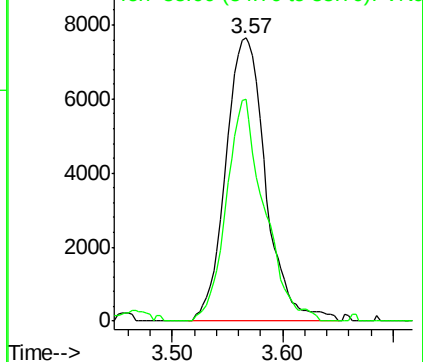
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 16.847 ug/l

RT: 4.27 min Scan# 788

Delta R.T. -0.00 min

Lab File: VN064625.D

Acq: 13 Nov 2020 12:29

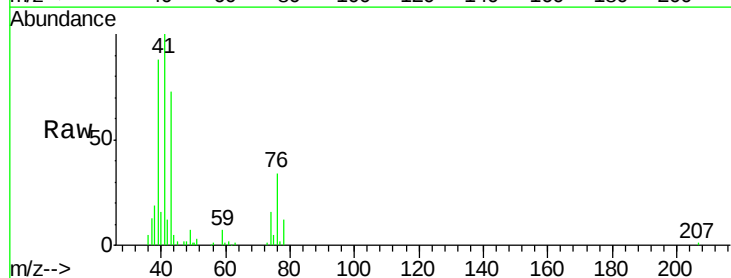
Tgt Ion: 41 Resp: 99292

Ion Ratio Lower Upper

41 100

39 81.1 61.8 92.8

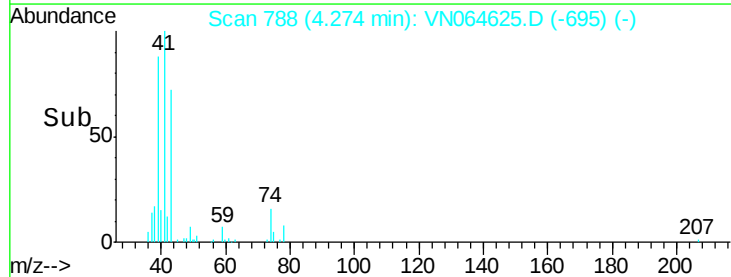
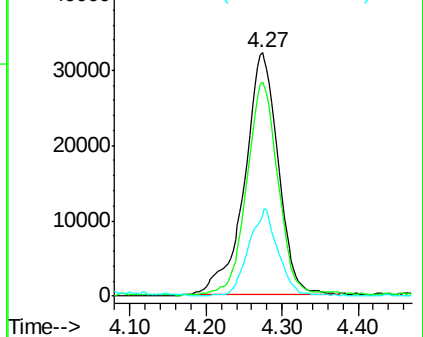
76 30.1 25.4 38.0

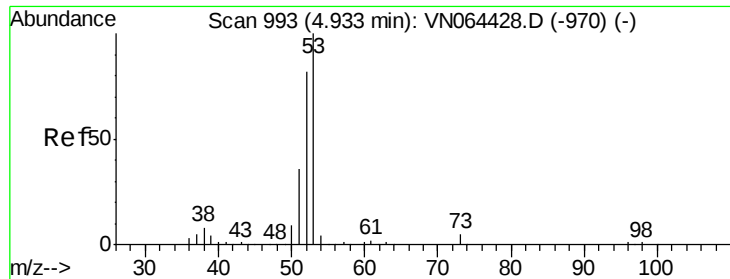


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 99.805 ug/l

RT: 4.93 min Scan# 993

Delta R.T. -0.00 min

Lab File: VN064625.D

Acq: 13 Nov 2020 12:29

Instrument :

MSVOA_N

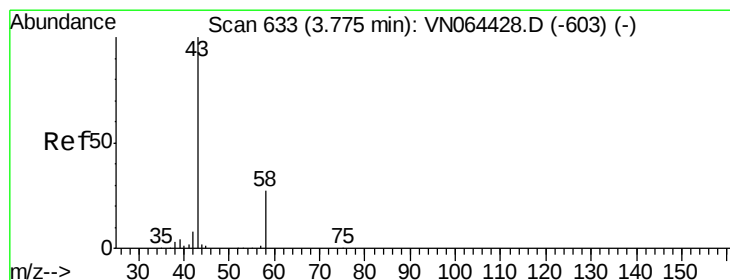
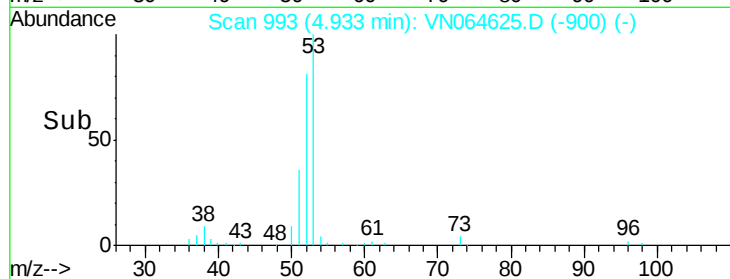
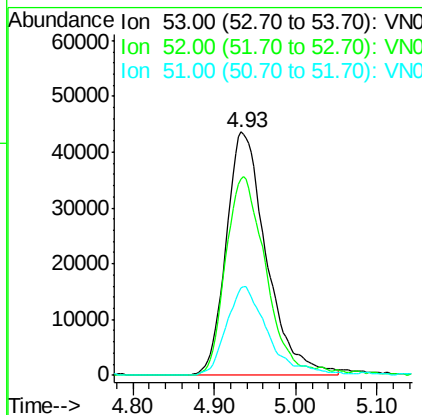
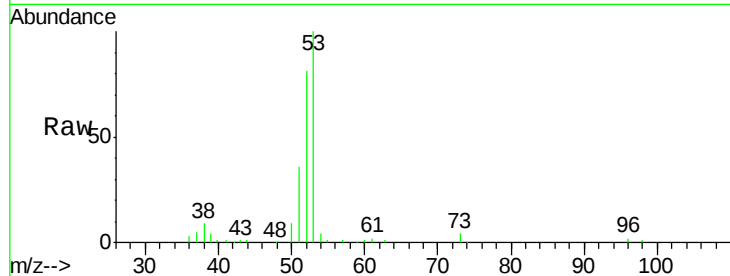
ClientSampleId :

VN1113WBS01

Tot Ion:	53	Resp:	150370
Ion	Ratio	Lower	Upper
53	100		
52	80.5	65.6	98.4
51	35.3	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 93.882 ug/l

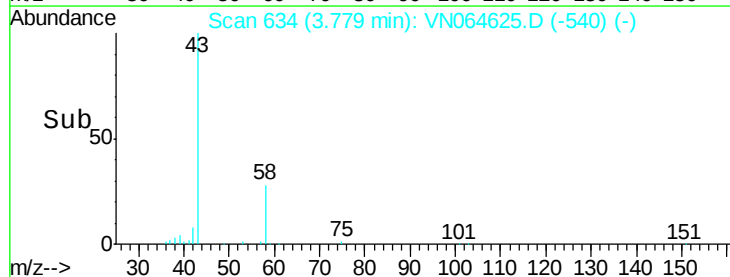
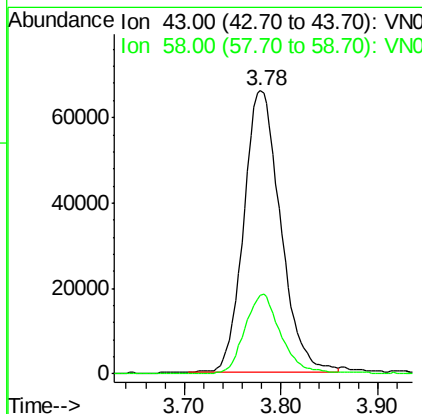
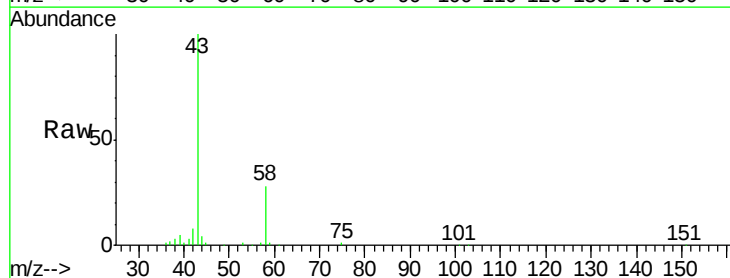
RT: 3.78 min Scan# 634

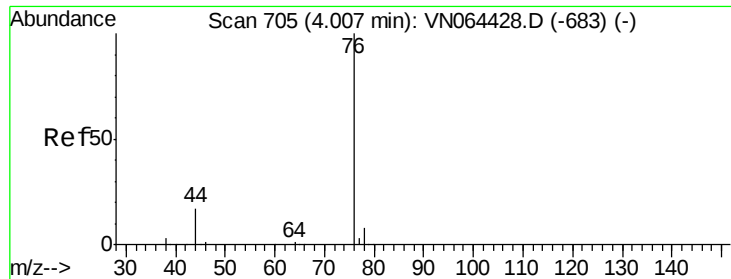
Delta R.T. 0.00 min

Lab File: VN064625.D

Acq: 13 Nov 2020 12:29

Tgt Ion:	43	Resp:	175485
Ion	Ratio	Lower	Upper
43	100		
58	27.9	21.4	32.0





#17

Carbon Disulfide

Concen: 17.672 ug/l

RT: 4.01 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN064625.D

Acq: 13 Nov 2020 12:29

Instrument :

MSVOA_N

ClientSampleId :

VN1113WBS01

Tot Ion: 76 Resp: 159230

Ion Ratio Lower Upper

76 100

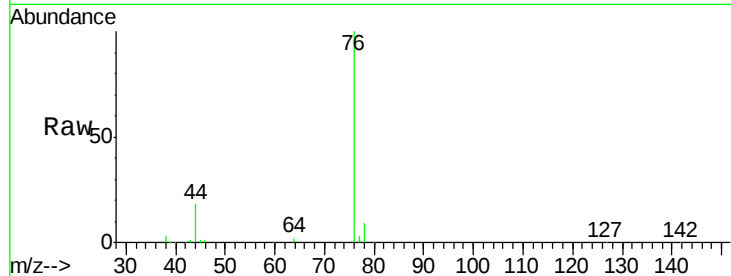
78 9.3 6.8 10.2

Manual Integrations

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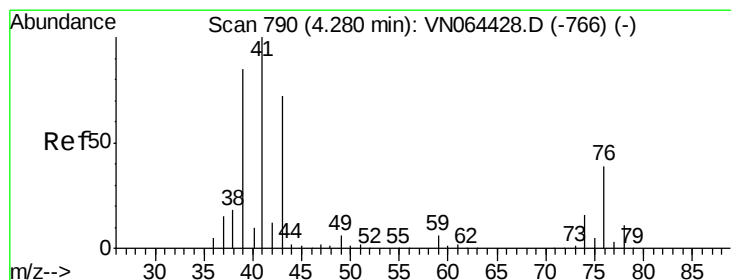
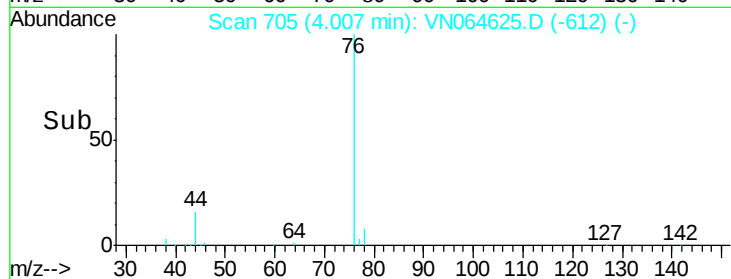
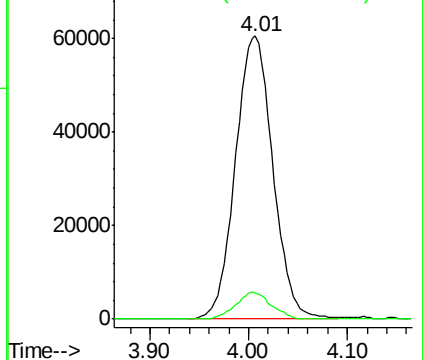
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Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC



#18

Methyl Acetate

Concen: 20.828 ug/l

RT: 4.28 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN064625.D

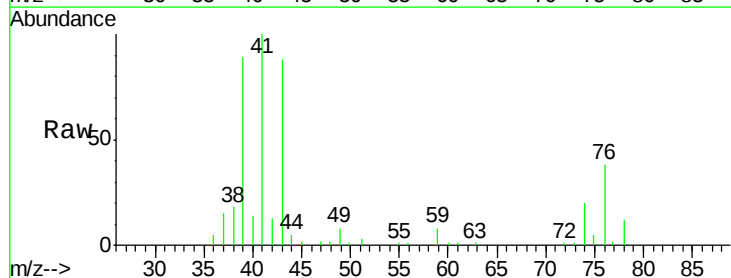
Acq: 13 Nov 2020 12:29

Tgt Ion: 43 Resp: 76538

Ion Ratio Lower Upper

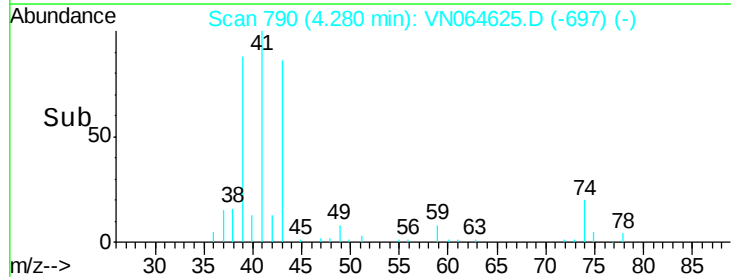
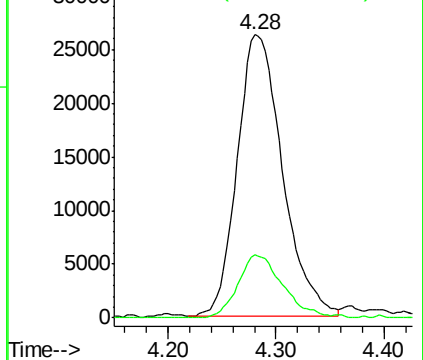
43 100

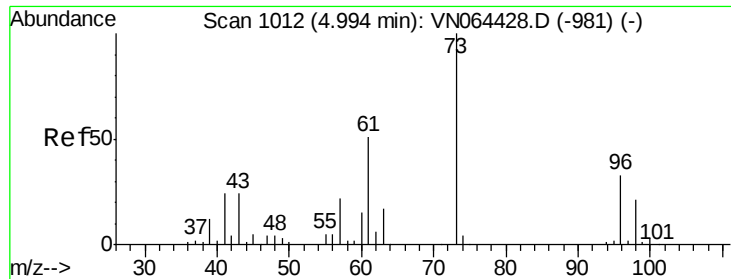
74 22.0 17.0 25.4



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC





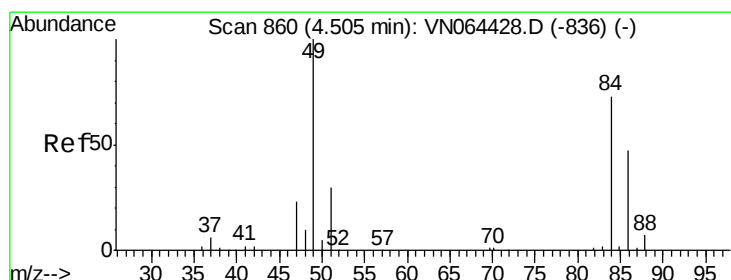
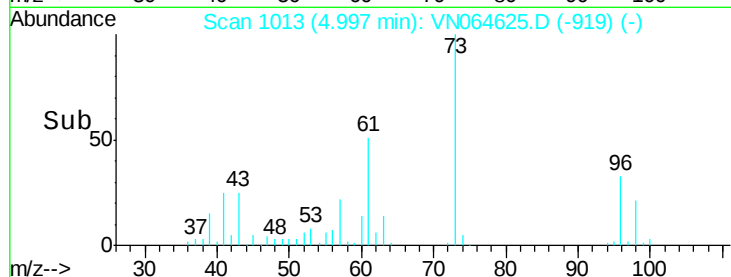
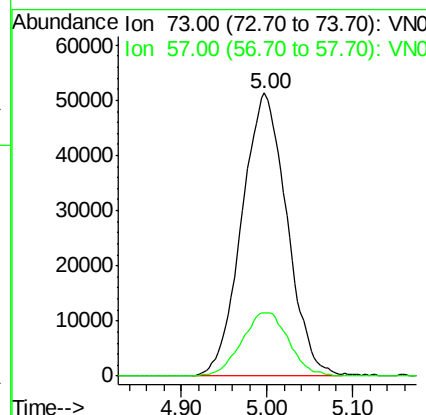
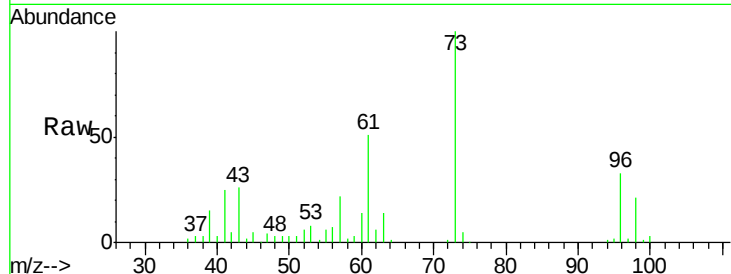
#19
Methyl tert-butyl Ether
Concen: 17.240 ug/l
RT: 5.00 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VN064625.D
Acq: 13 Nov 2020 12:29

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS01

Tot Ion: 73 Resp: 186951
Ion Ratio Lower Upper
73 100
57 22.3 17.7 26.5

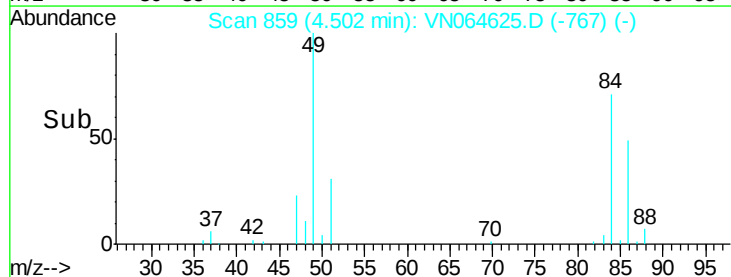
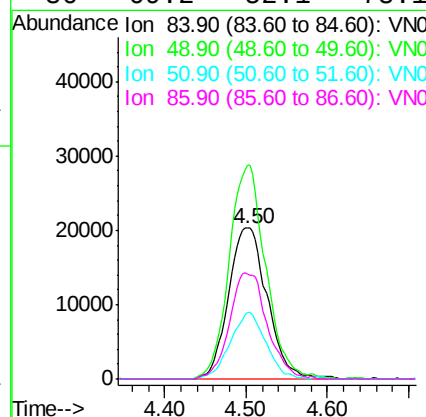
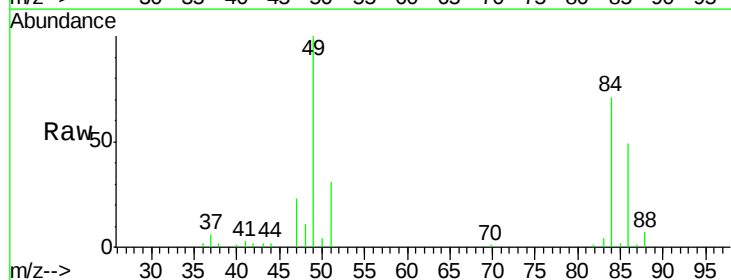
Manual Integrations
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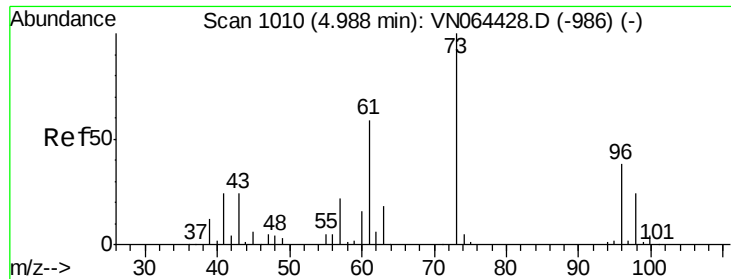
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#20
Methylene Chloride
Concen: 18.213 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN064625.D
Acq: 13 Nov 2020 12:29

Tgt Ion: 84 Resp: 67545
Ion Ratio Lower Upper
84 100
49 141.6 110.1 165.1
51 43.9 33.6 50.4
86 69.2 52.1 78.1





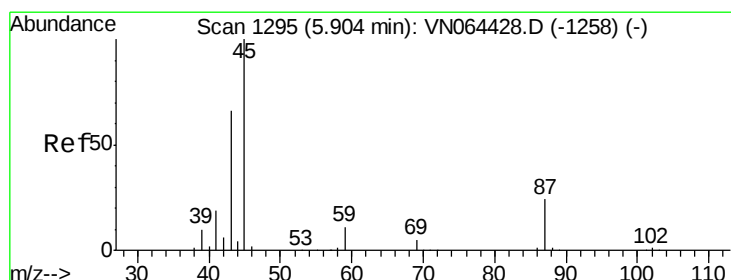
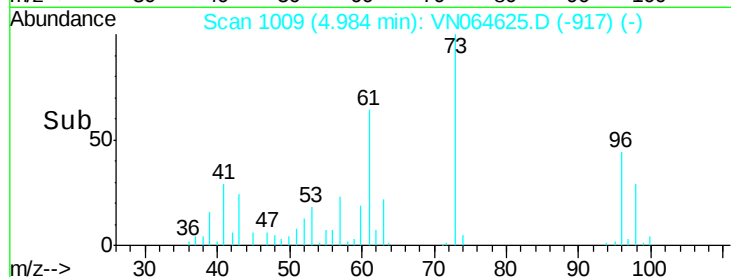
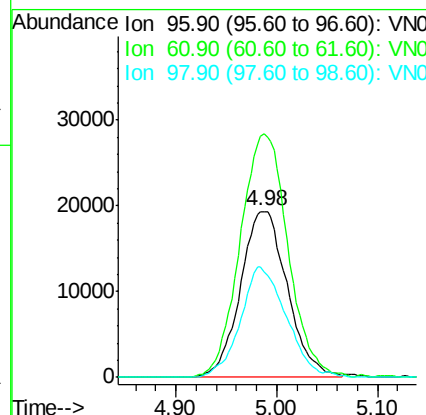
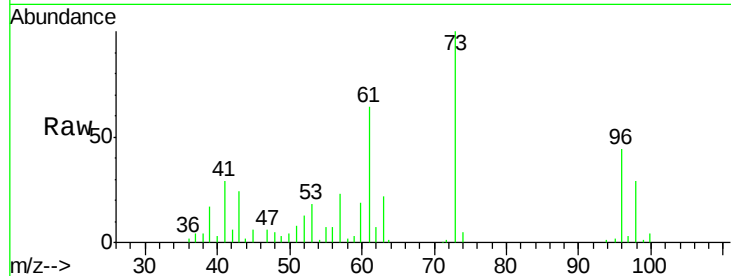
#21
trans-1,2-Dichloroethene
Concen: 18.240 ug/l
RT: 4.98 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN064625.D
Acq: 13 Nov 2020 12:29

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.9	122.4	183.6
98	66.4	50.4	75.6

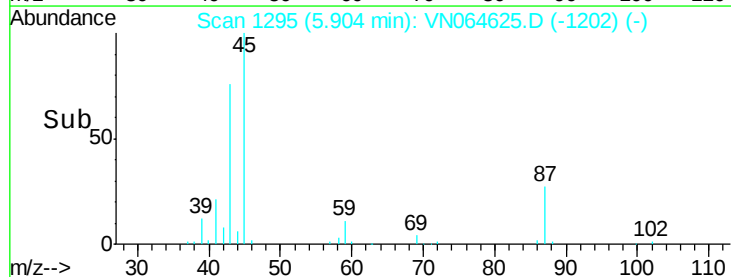
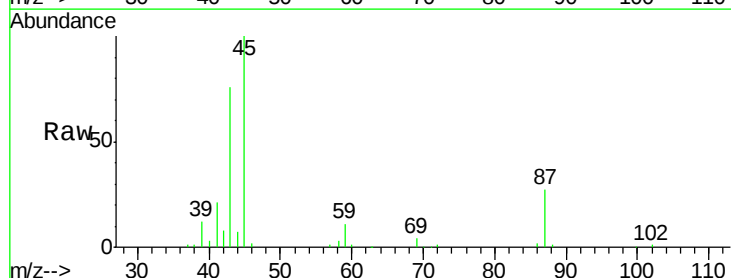
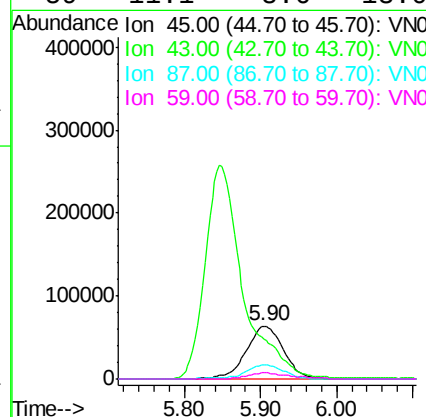
Manual Integrations
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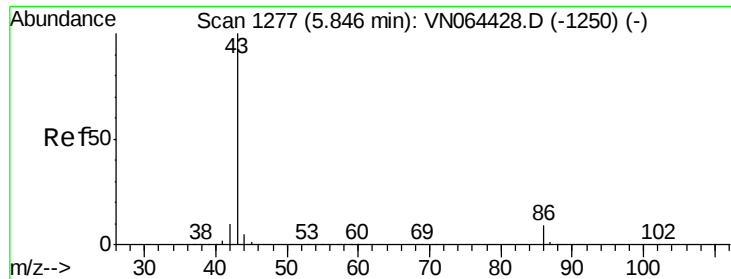
MMDadoda
11/17/2020 6:41:27 PM



#22
Diisopropyl ether
Concen: 17.213 ug/l
RT: 5.90 min Scan# 1295
Delta R.T. -0.00 min
Lab File: VN064625.D
Acq: 13 Nov 2020 12:29

Tgt Ion	Ratio	Lower	Upper
45	100		
43	73.6	53.2	79.8
87	27.0	19.9	29.9
59	11.1	8.6	13.0





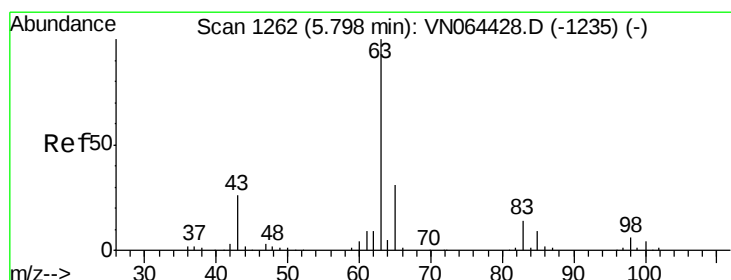
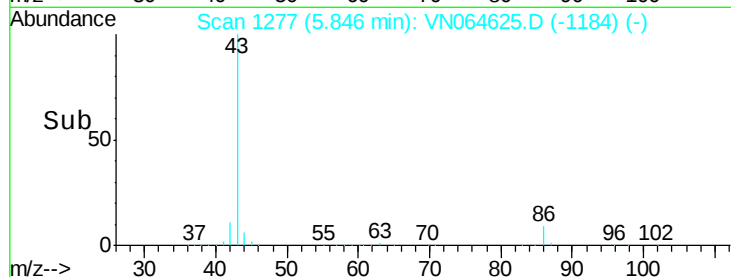
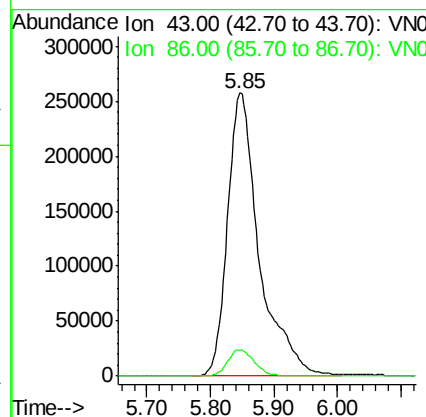
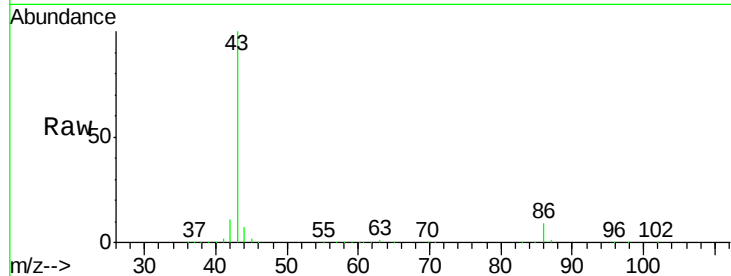
#23
 Vinyl Acetate
 Concen: 87.484 ug/l
 RT: 5.85 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VN064625.D
 Acq: 13 Nov 2020 12:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1113WBS01

Tot Ion	43	Resp	890401
Ion Ratio	100	Lower	Upper
43	100		
86	9.3	6.8	10.2

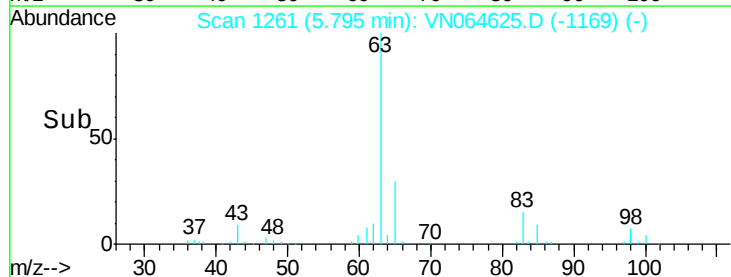
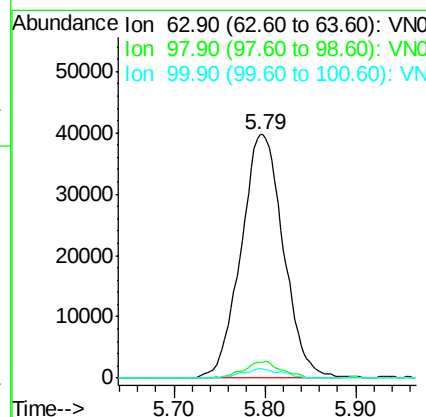
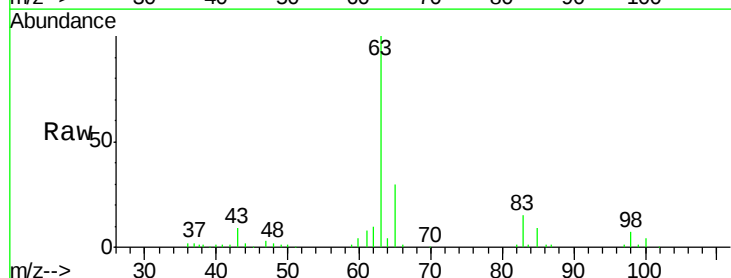
Manual Integrations
 APPROVED

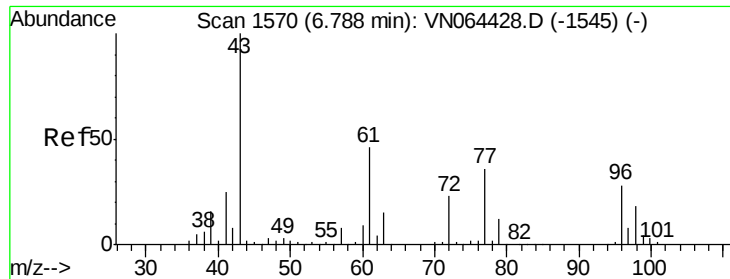
MMDadoda
 11/17/2020 6:41:27 PM



#24
 1,1-Dichloroethane
 Concen: 18.671 ug/l
 RT: 5.79 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VN064625.D
 Acq: 13 Nov 2020 12:29

Tgt Ion	63	Resp	128360
Ion Ratio	100	Lower	Upper
63	100		
98	6.5	3.0	9.2
100	3.8	1.8	5.3





#25

2-Butanone

Concen: 95.057 ug/l

RT: 6.79 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN064625.D

Acq: 13 Nov 2020 12:29

Instrument :

MSVOA_N

ClientSampleId :

VN1113WBS01

Tot Ion: 43 Resp: 226392

Ion Ratio Lower Upper

43 100

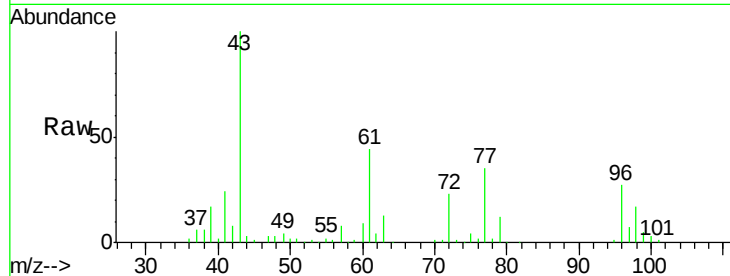
72 22.7 18.5 27.7

Manual Integrations

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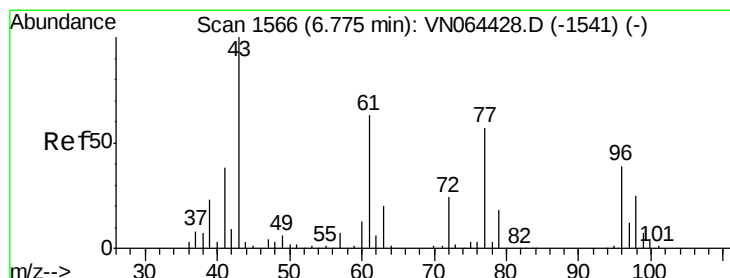
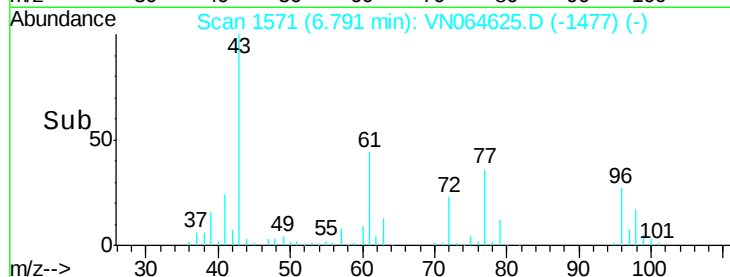
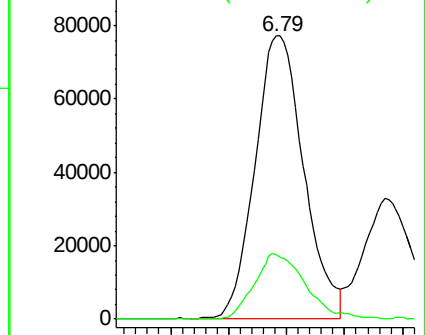
MMDadoda

11/17/2020 6:41:27 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 18.472 ug/l

RT: 6.77 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN064625.D

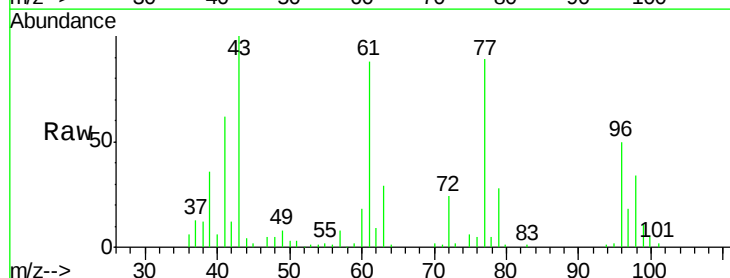
Acq: 13 Nov 2020 12:29

Tgt Ion: 77 Resp: 114962

Ion Ratio Lower Upper

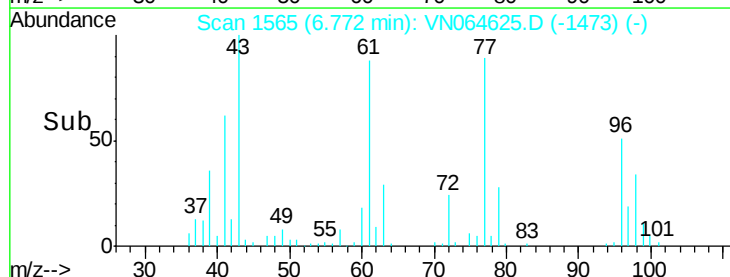
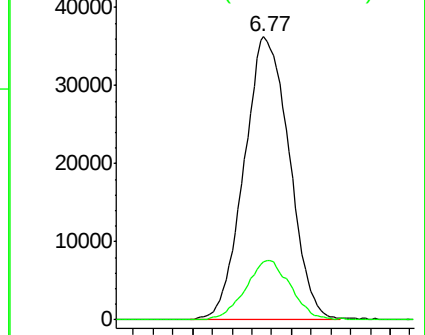
77 100

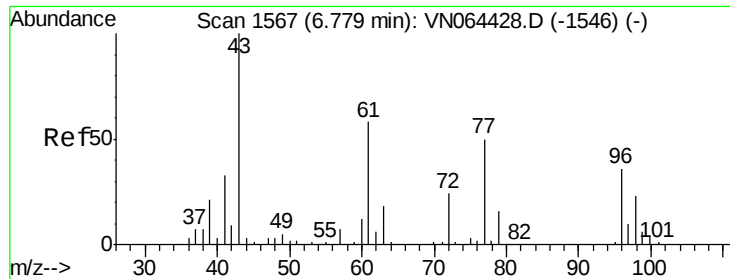
97 20.9 10.2 30.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





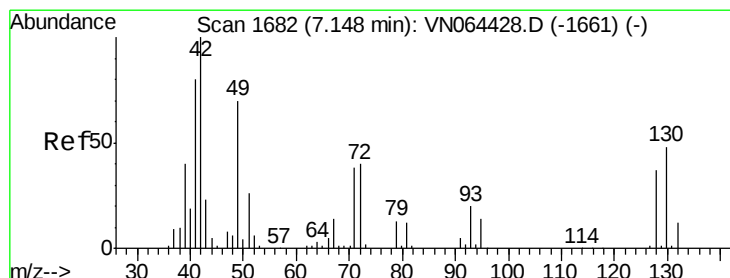
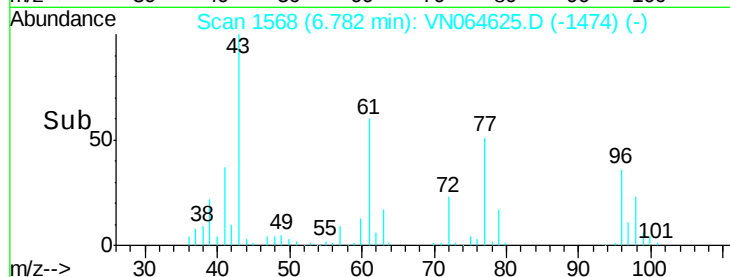
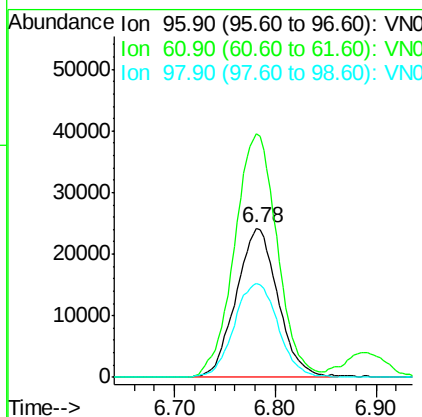
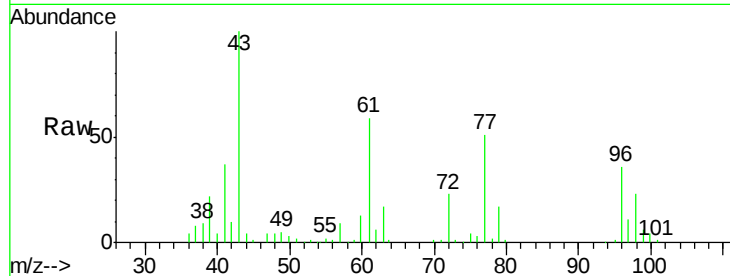
#27
 cis-1,2-Dichloroethene
 Concen: 17.536 ug/l
 RT: 6.78 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VN064625.D
 Acq: 13 Nov 2020 12:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1113WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	166.2	0.0	329.6
98	66.2	0.0	131.2

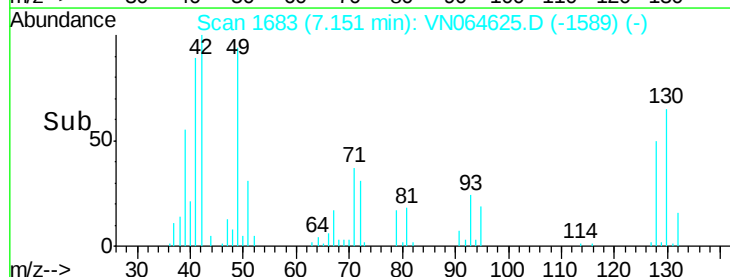
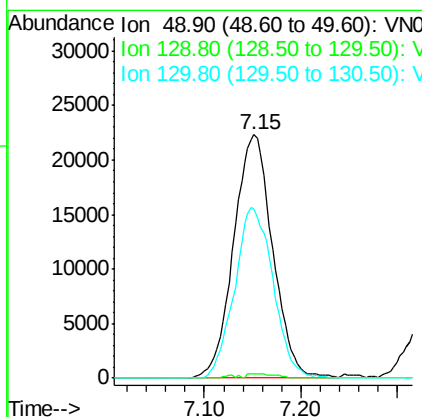
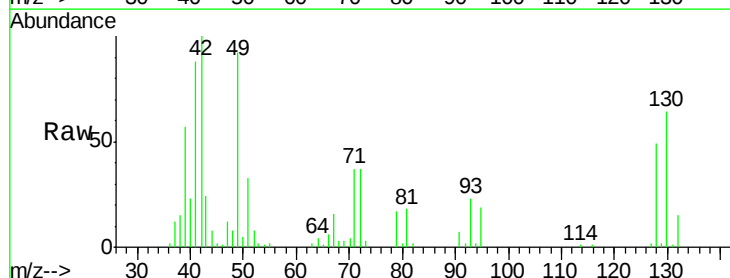
Manual Integrations
 APPROVED

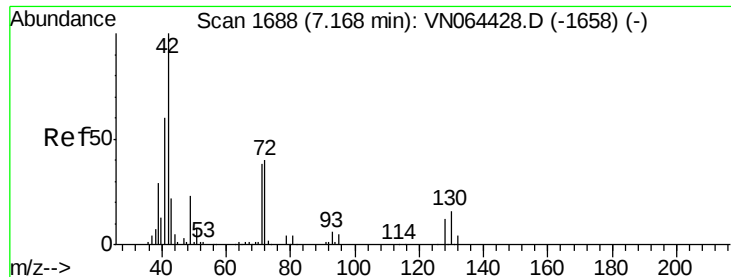
MMDadoda
 11/17/2020 6:41:27 PM



#28
 Bromochloromethane
 Concen: 18.502 ug/l
 RT: 7.15 min Scan# 1683
 Delta R.T. 0.00 min
 Lab File: VN064625.D
 Acq: 13 Nov 2020 12:29

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	3.6
130	69.2	54.2	81.4





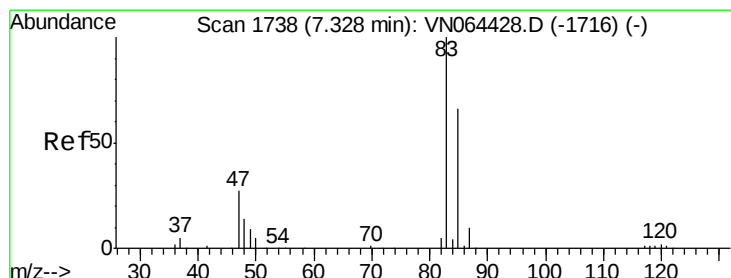
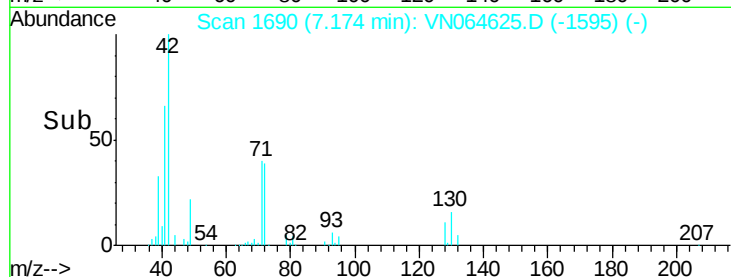
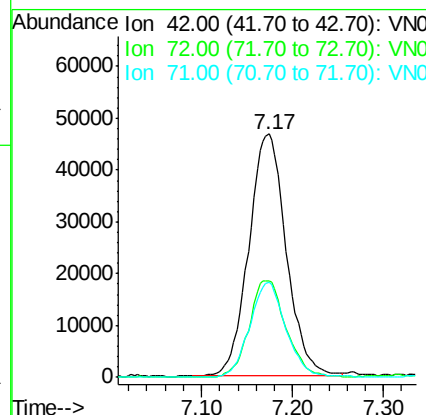
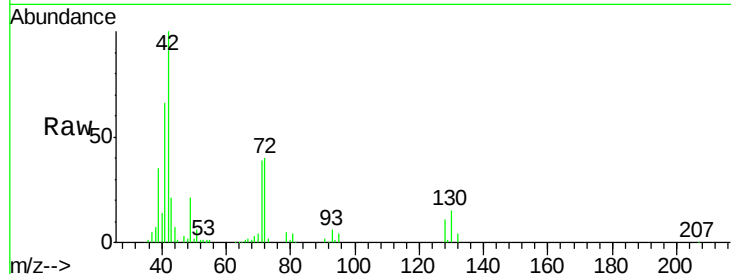
#29
Tetrahydrofuran
Concen: 91.323 ug/l
RT: 7.17 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VN064625.D
Acq: 13 Nov 2020 12:29

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.6	31.7	47.5
71	37.8	29.8	44.6

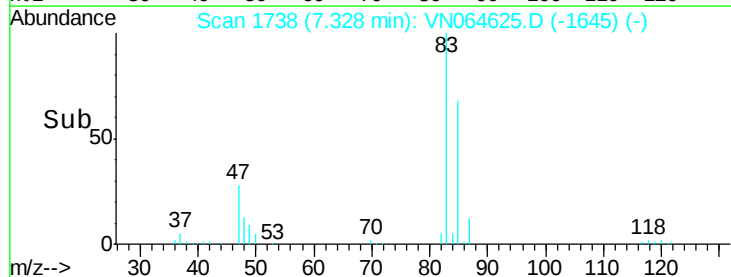
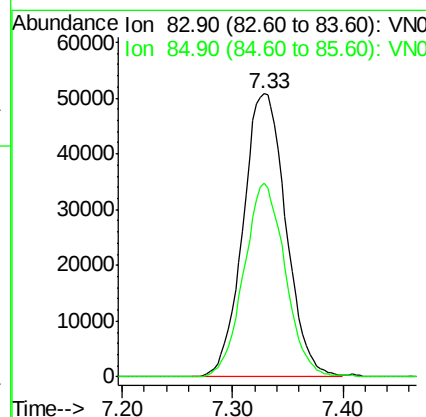
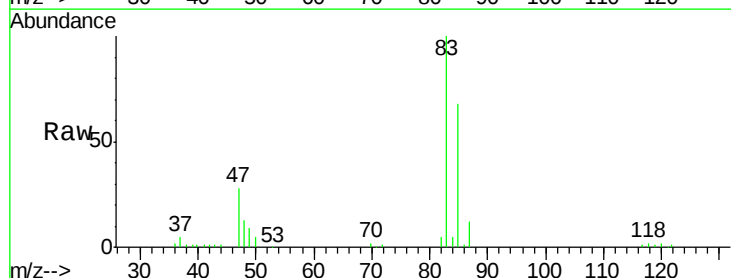
Manual Integrations
APPROVED

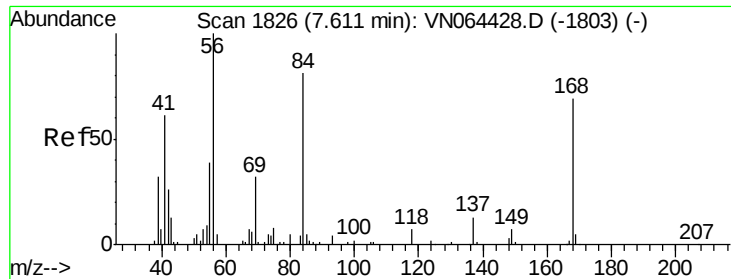
MMDadoda
11/17/2020 6:41:27 PM



#30
Chloroform
Concen: 18.962 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN064625.D
Acq: 13 Nov 2020 12:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.5	52.5	78.7





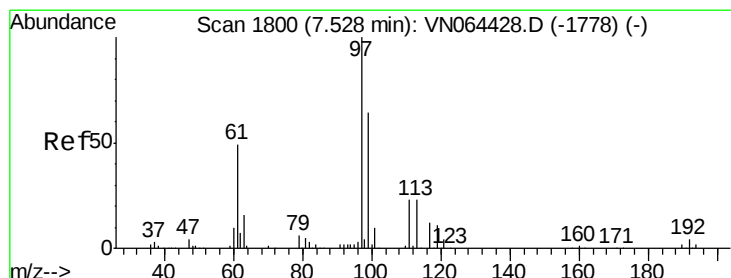
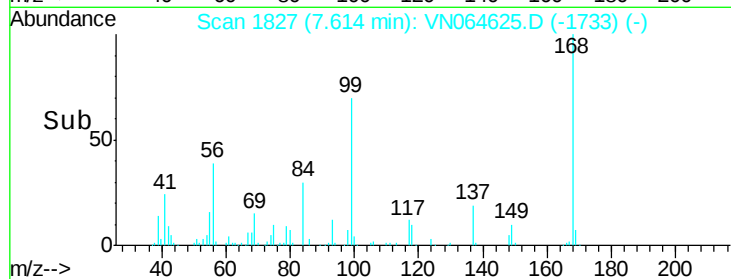
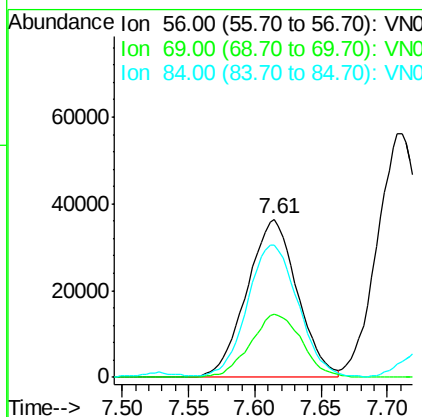
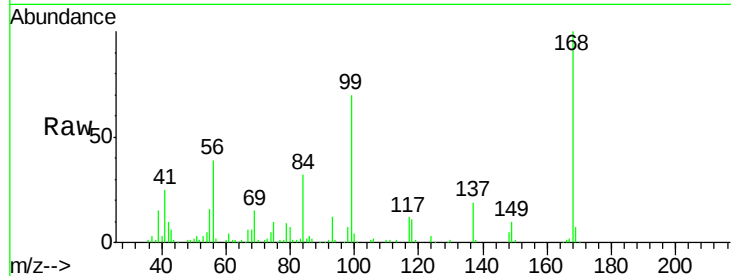
#31
Cvclohexane
Concen: 16.273 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN064625.D
Acq: 13 Nov 2020 12:29

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	40.0	25.6	38.4#
84	82.4	63.0	94.6

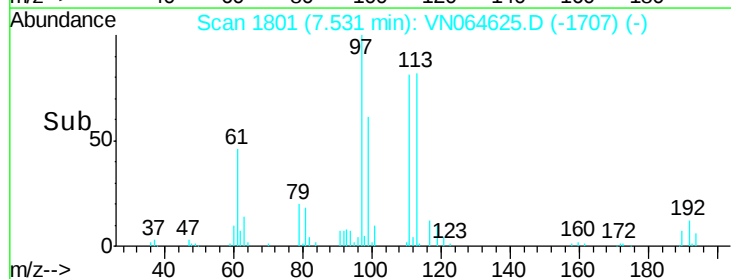
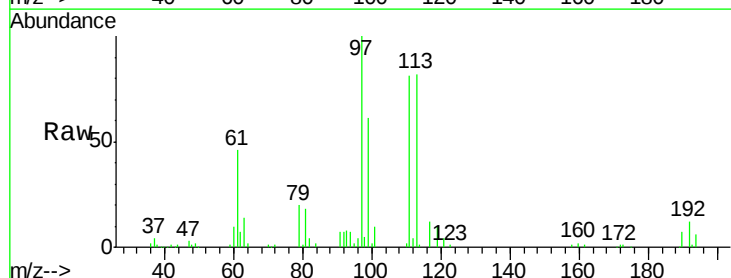
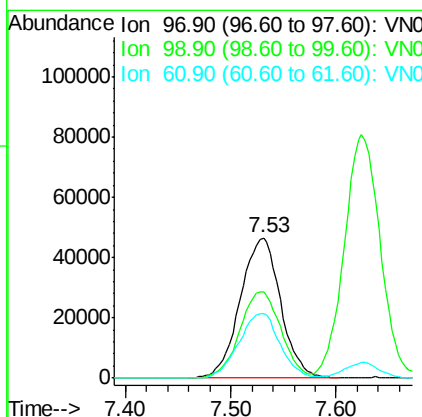
Manual Integrations
APPROVED

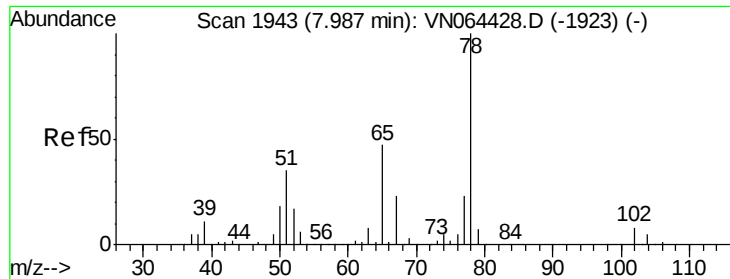
MMDadoda
11/17/2020 6:41:27 PM



#32
1,1,1-Trichloroethane
Concen: 19.353 ug/l
RT: 7.53 min Scan# 1801
Delta R.T. 0.00 min
Lab File: VN064625.D
Acq: 13 Nov 2020 12:29

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.7	51.3	76.9
61	46.9	39.1	58.7





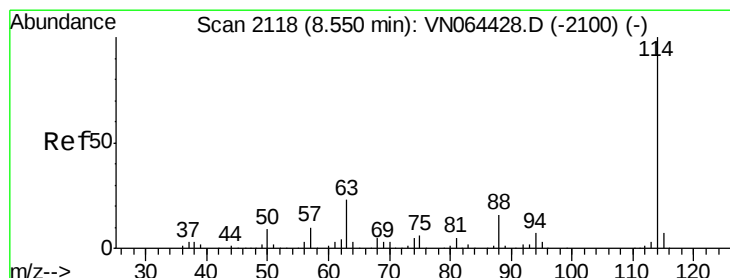
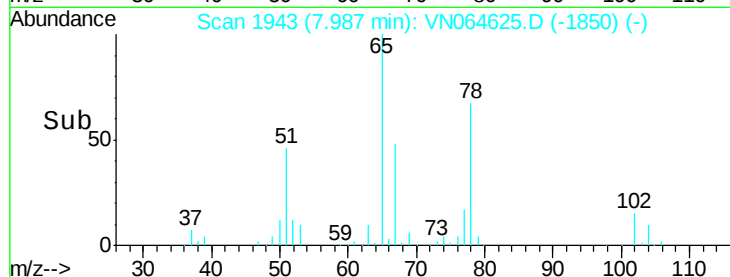
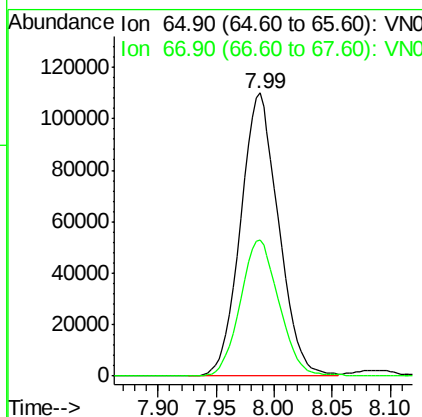
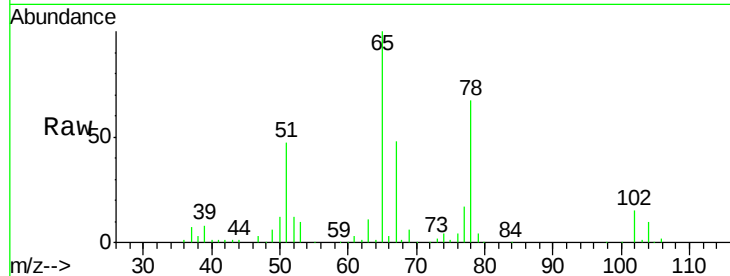
#33
 1,2-Dichloroethane-d4
 Concen: 51.006 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN064625.D
 Acq: 13 Nov 2020 12:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1113WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	250293		
67	49.0	0.0	101.6	

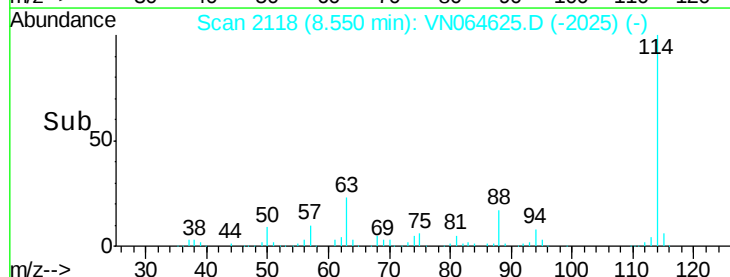
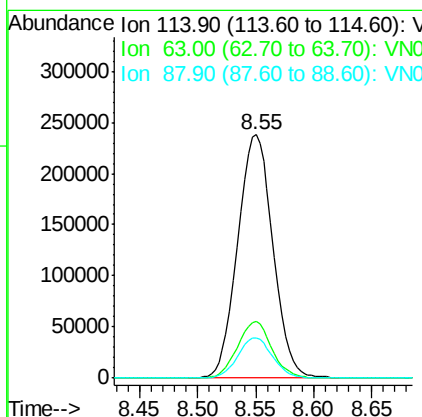
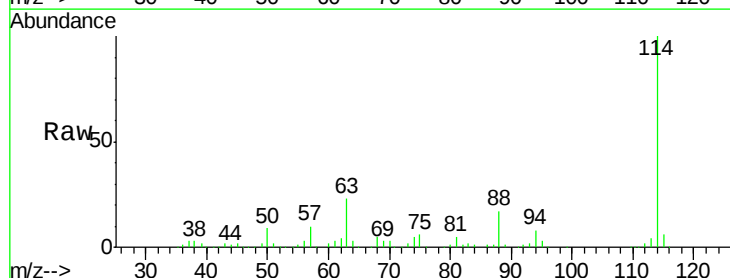
Manual Integrations
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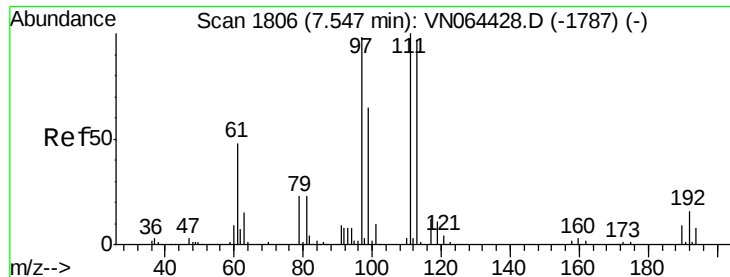
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 11/17/2020 6:41:27 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN064625.D
 Acq: 13 Nov 2020 12:29

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	503570		
63	23.1	0.0	45.6	
88	16.5	0.0	32.8	





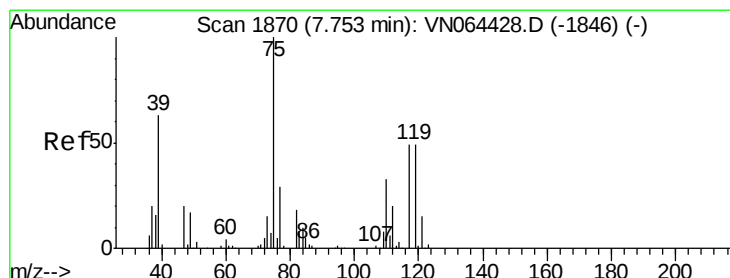
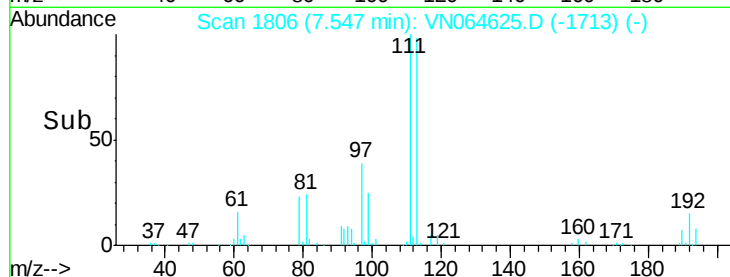
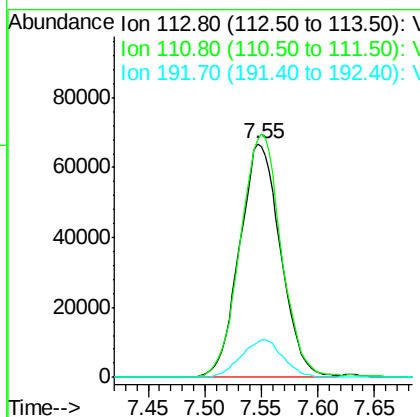
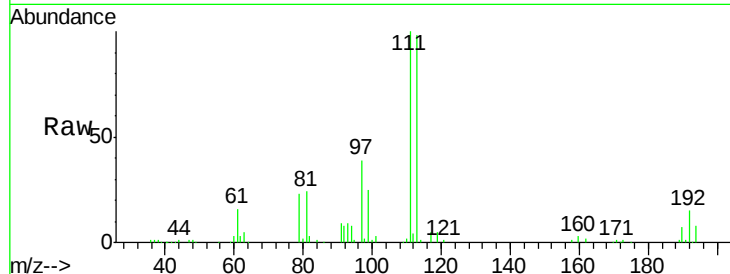
#35
 Dibromofluoromethane
 Concen: 49.176 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN064625.D
 Acq: 13 Nov 2020 12:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1113WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	168607		
111	104.0	81.1	121.7	
192	16.5	12.8	19.2	

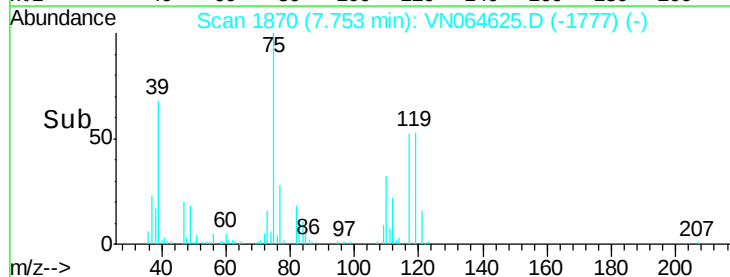
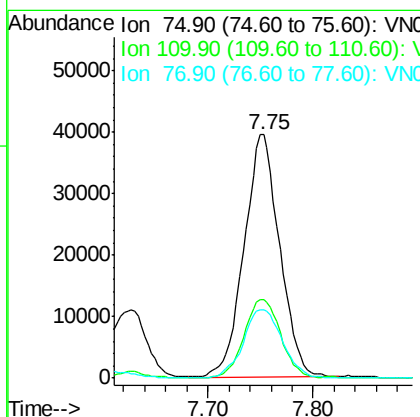
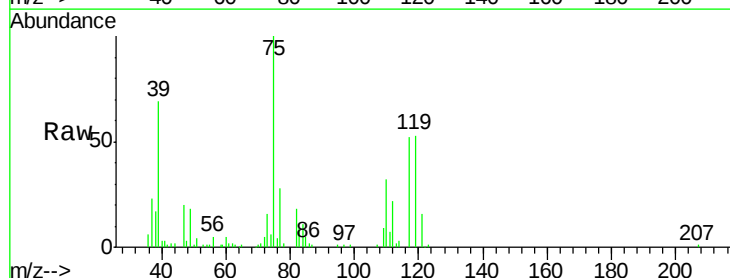
Manual Integrations
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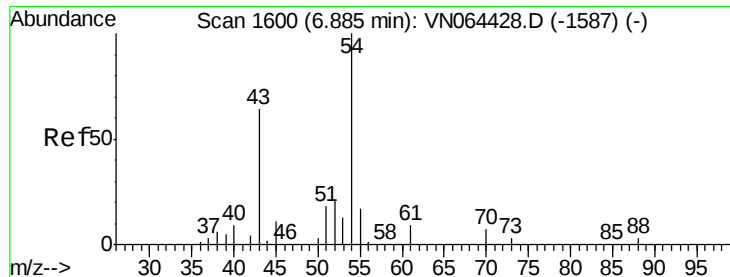
MMDadoda
 11/17/2020 6:41:27 PM



#36
 1,1-Dichloropropene
 Concen: 17.450 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: VN064625.D
 Acq: 13 Nov 2020 12:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	92831		
110	33.1	16.0	48.0	
77	30.9	24.0	36.0	





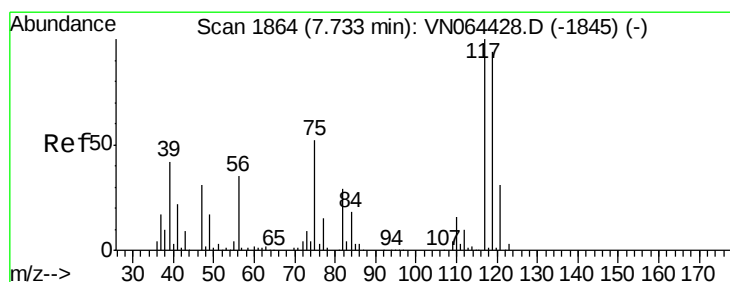
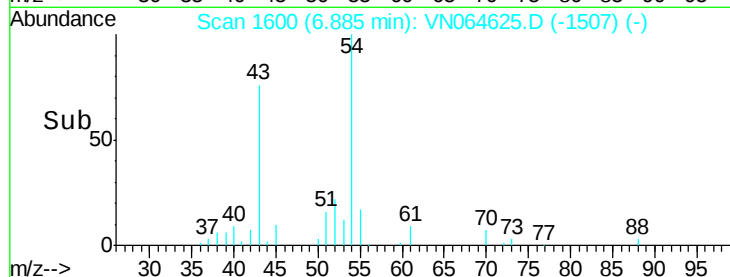
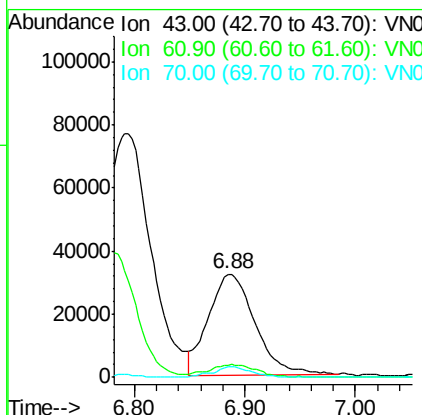
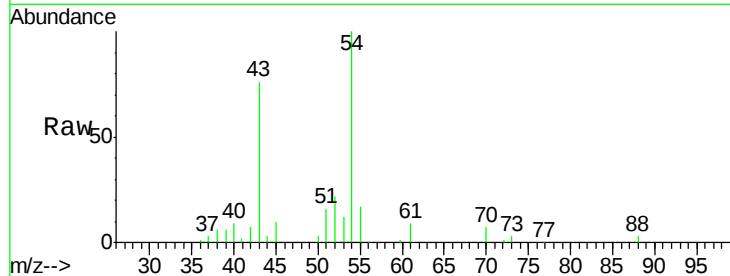
#37
Ethyl Acetate
Concen: 17.849 ug/l
RT: 6.88 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VN064625.D
Acq: 13 Nov 2020 12:29

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS01

Tot Ion	43	61	70
Ion Ratio	100	11.6	8.8
Lower		10.0	7.1
Upper		15.0	10.7

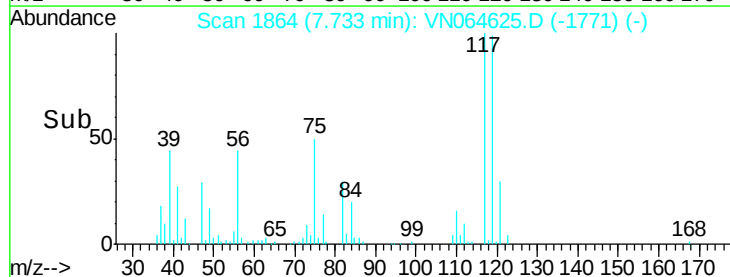
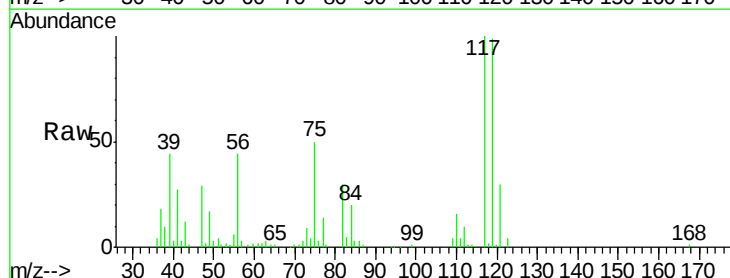
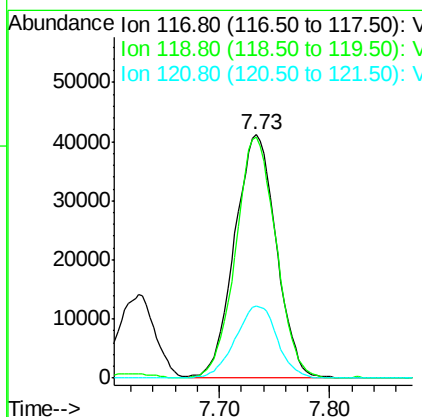
Manual Integrations
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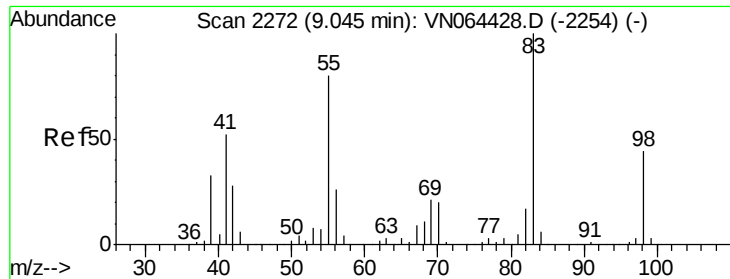
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#38
Carbon Tetrachloride
Concen: 18.945 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN064625.D
Acq: 13 Nov 2020 12:29

Tgt Ion	117	119	121
Ion Ratio	100	98.8	29.5
Lower		75.5	24.4
Upper		113.3	36.6





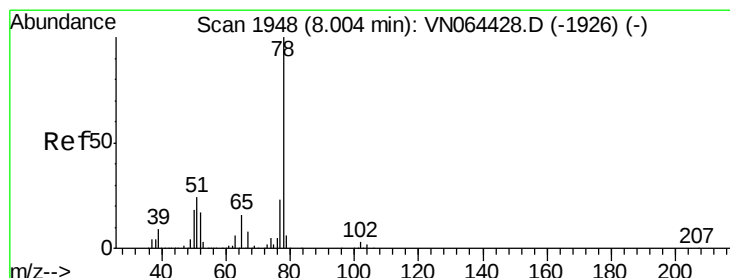
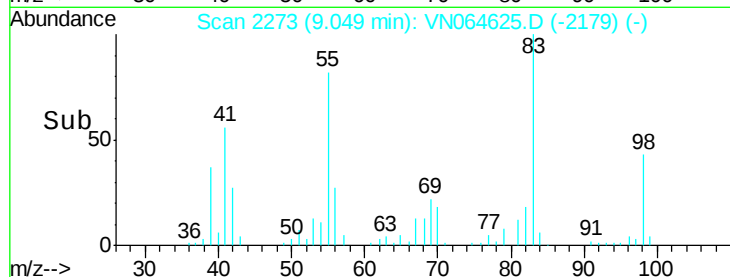
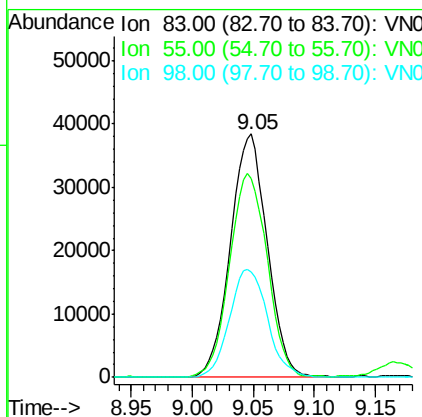
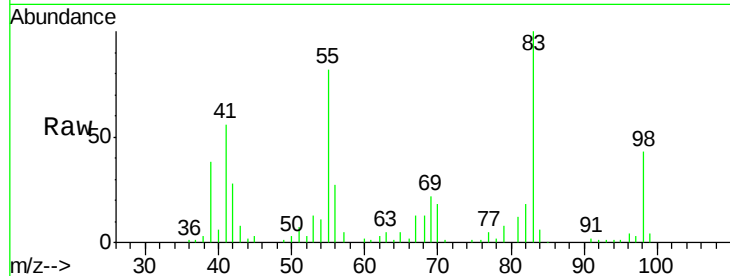
#39
Methvlcvclohexane
Concen: 16.896 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN064625.D
Acq: 13 Nov 2020 12:29

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.9	63.8	95.6
98	43.5	35.4	53.2

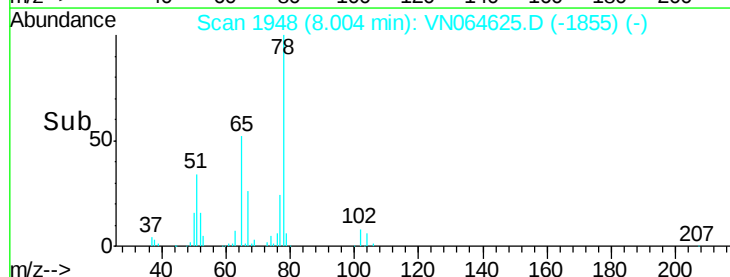
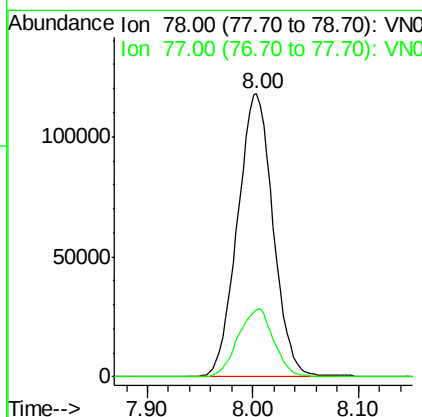
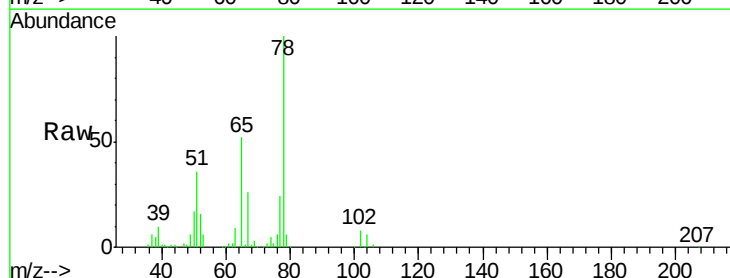
Manual Integrations
APPROVED

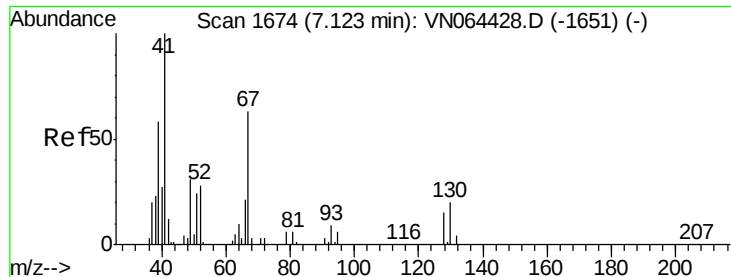
MMDadoda
11/17/2020 6:41:27 PM



#40
Benzene
Concen: 17.718 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN064625.D
Acq: 13 Nov 2020 12:29

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.7	28.1





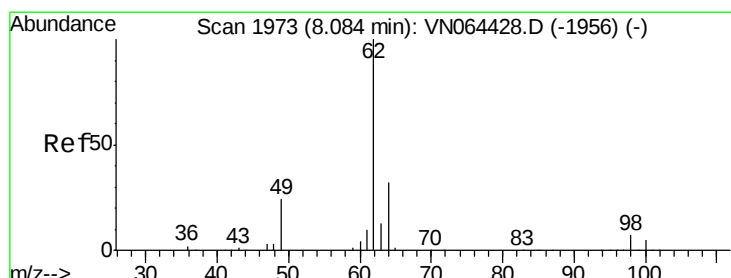
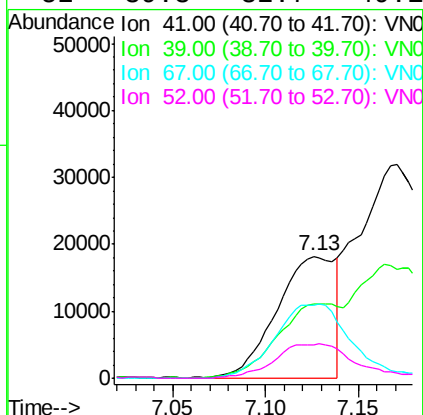
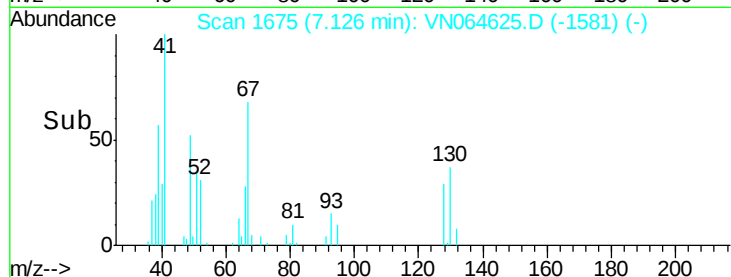
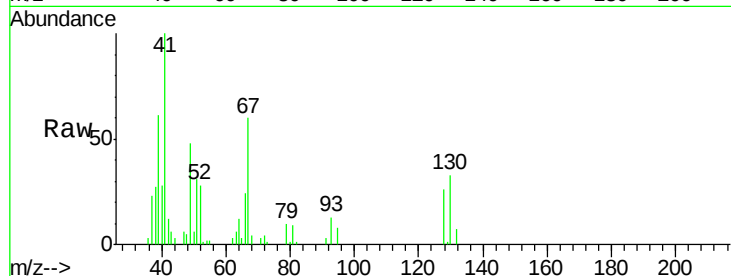
#41
Methacrylonitrile
Concen: 17.199 ug/l m
RT: 7.13 min Scan# 1675
Delta R.T. 0.00 min
Lab File: VN064625.D
Acq: 13 Nov 2020 12:29

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	66.2	50.0	75.0	
67	79.9	68.3	102.5	
52	39.3	32.7	49.1	

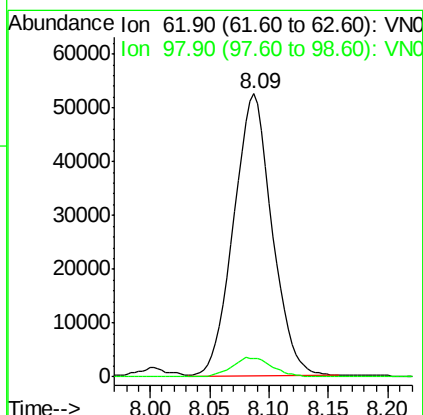
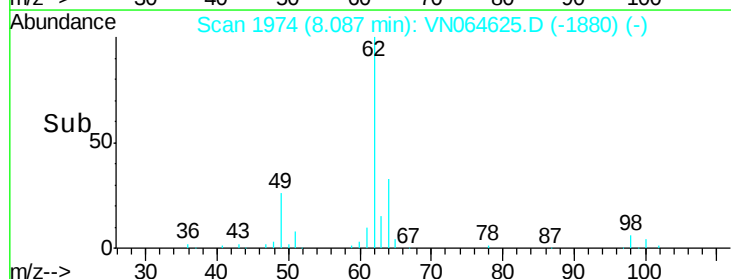
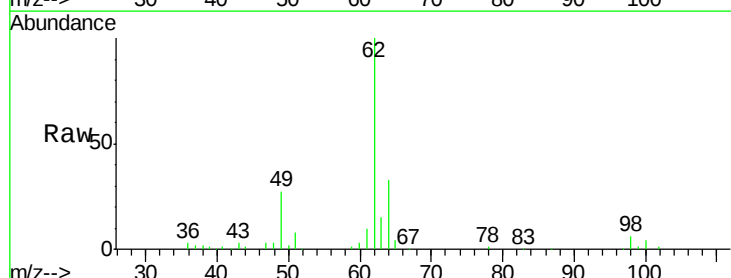
Manual Integrations
APPROVED

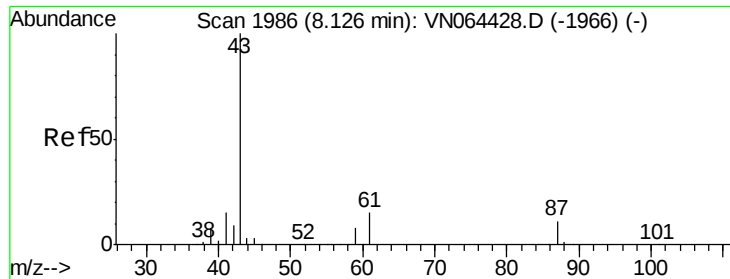
MMDadoda
11/17/2020 6:41:27 PM



#42
1,2-Dichloroethane
Concen: 18.635 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN064625.D
Acq: 13 Nov 2020 12:29

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





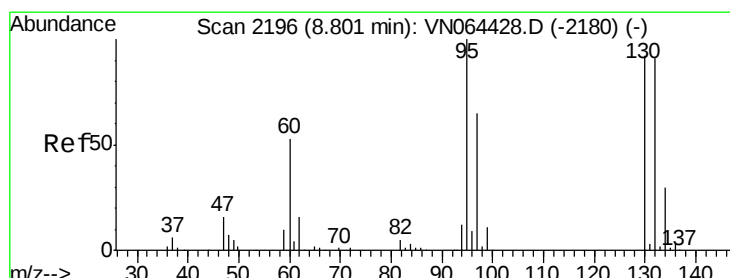
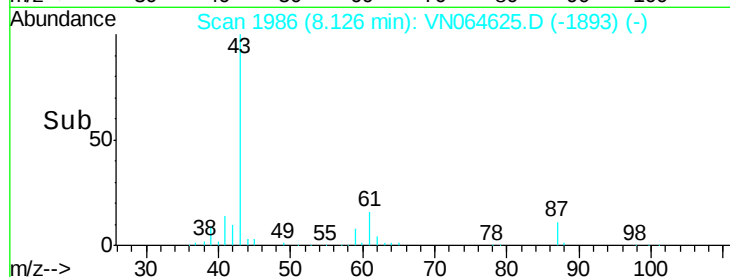
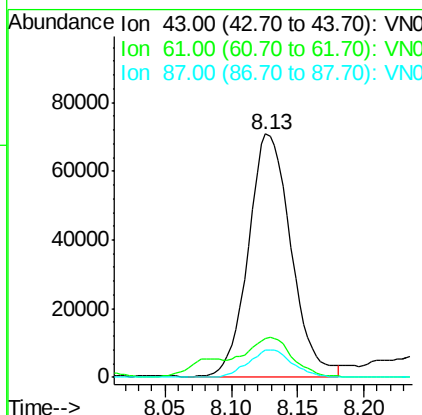
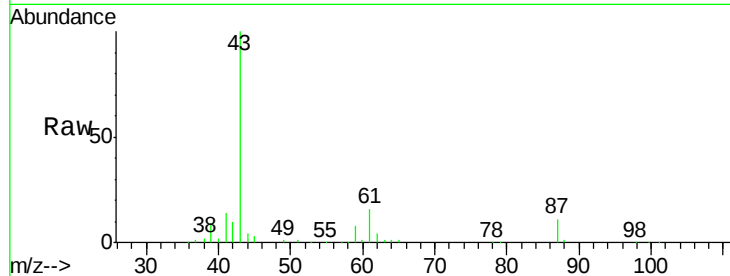
#43
Isopropyl Acetate
Concen: 18.254 ug/l
RT: 8.13 min Scan# 1986
Delta R.T. -0.00 min
Lab File: VN064625.D
Acq: 13 Nov 2020 12:29

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.9	14.0	21.0
87	11.7	9.1	13.7

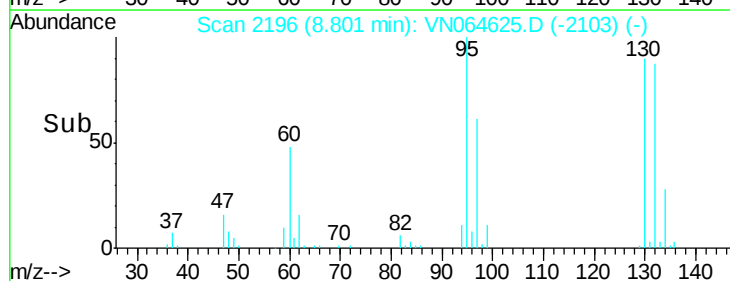
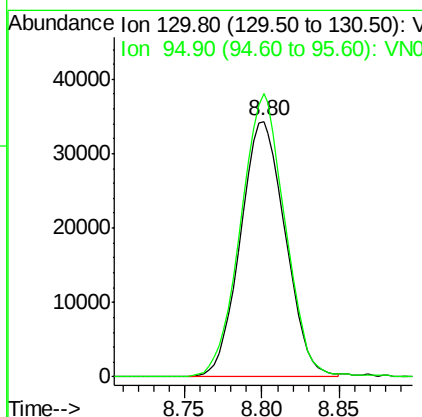
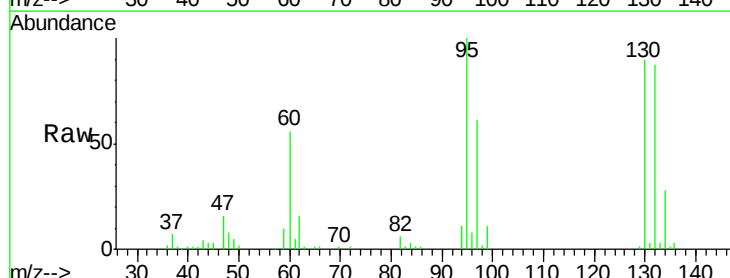
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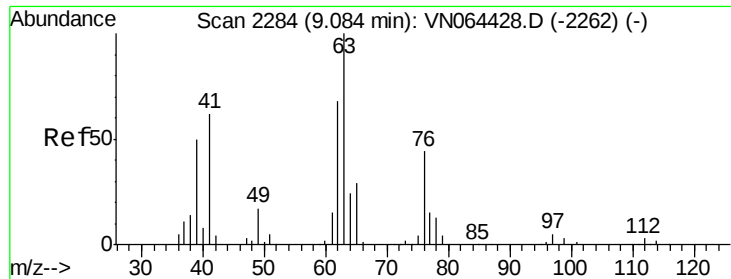
MMDadoda
11/17/2020 6:41:27 PM



#44
Trichloroethene
Concen: 17.596 ug/l
RT: 8.80 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN064625.D
Acq: 13 Nov 2020 12:29

Tgt Ion	Ratio	Lower	Upper
130	100		
95	110.7	0.0	216.8





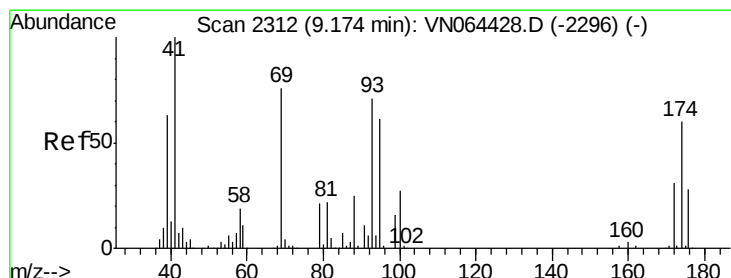
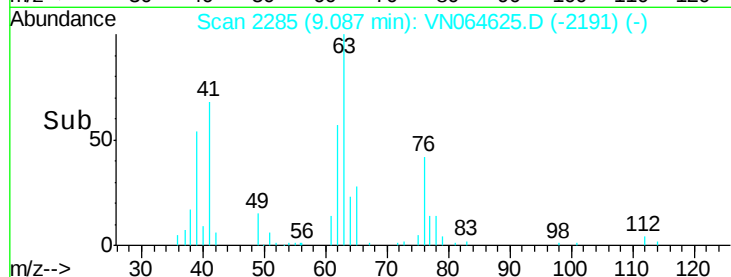
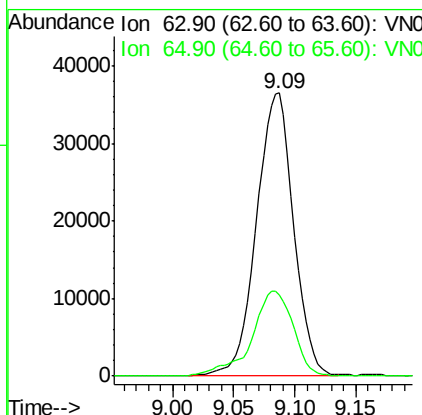
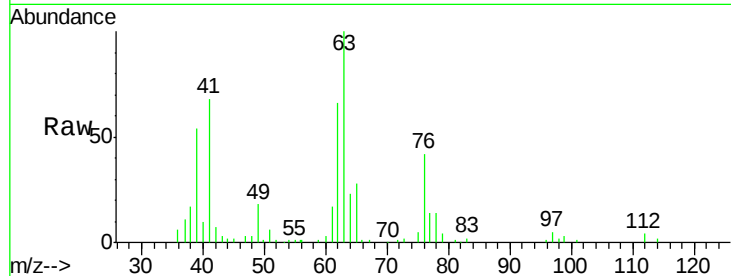
#45
 1,2-Dichloropropane
 Concen: 18.478 ug/l
 RT: 9.09 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN064625.D
 Acq: 13 Nov 2020 12:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1113WBS01

Tot Ion: 63 Resp: 77073
 Ion Ratio Lower Upper
 63 100
 65 28.5 23.6 35.4

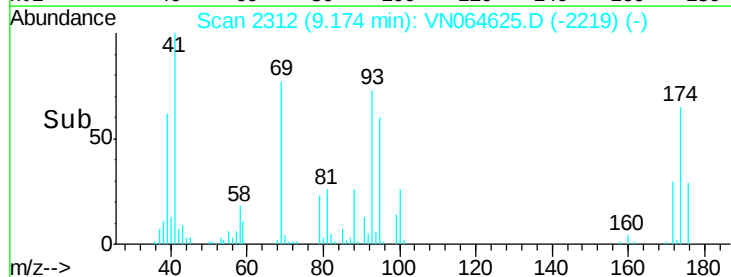
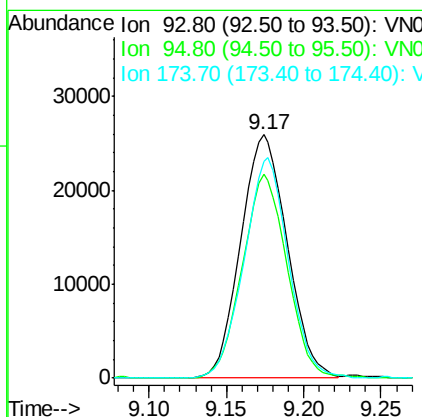
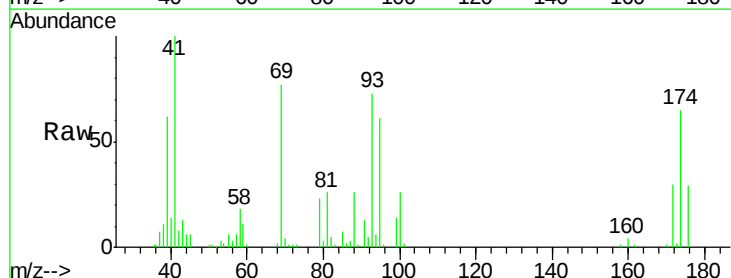
Manual Integrations
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 11/17/2020 6:41:27 PM



#46
 Dibromomethane
 Concen: 19.737 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN064625.D
 Acq: 13 Nov 2020 12:29

Tgt Ion: 93 Resp: 54194
 Ion Ratio Lower Upper
 93 100
 95 80.7 66.4 99.6
 174 86.2 67.2 100.8





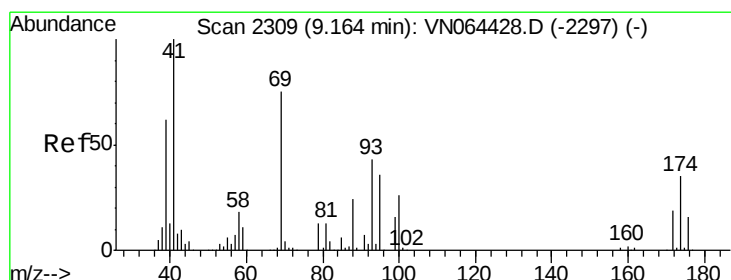
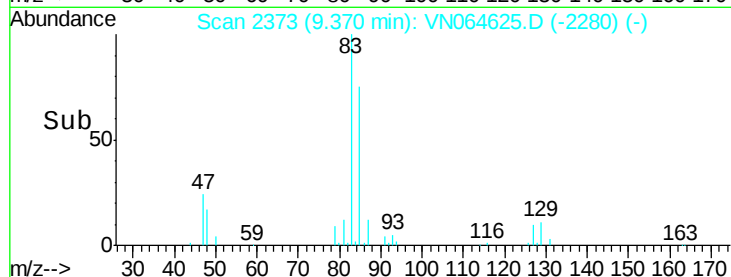
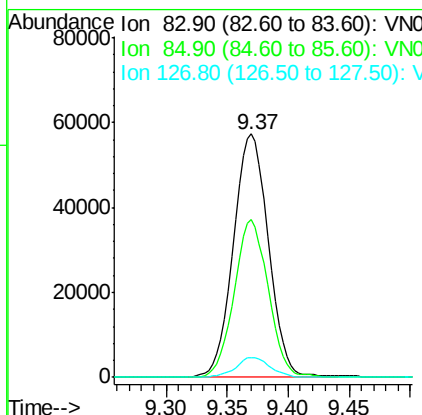
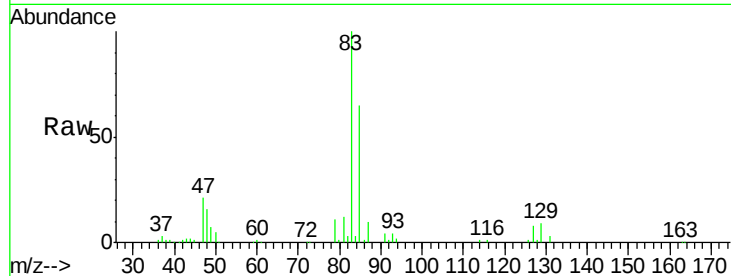
#47
Bromodichloromethane
Concen: 19.327 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN064625.D
Acq: 13 Nov 2020 12:29

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS01

Tot Ion	83	Resp	114108
Ion Ratio	100	Lower	Upper
83	100		
85	64.7	51.2	76.8
127	8.3	6.9	10.3

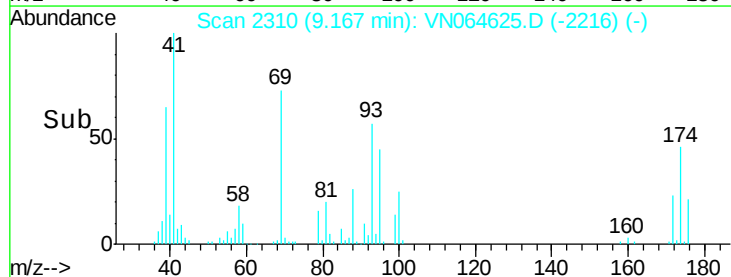
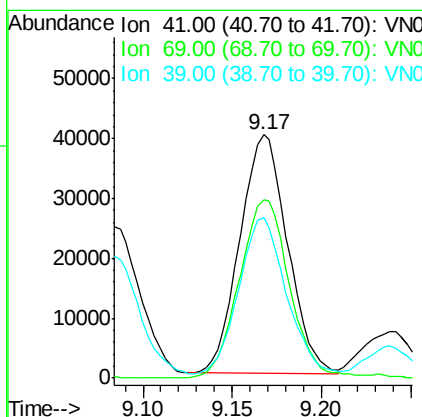
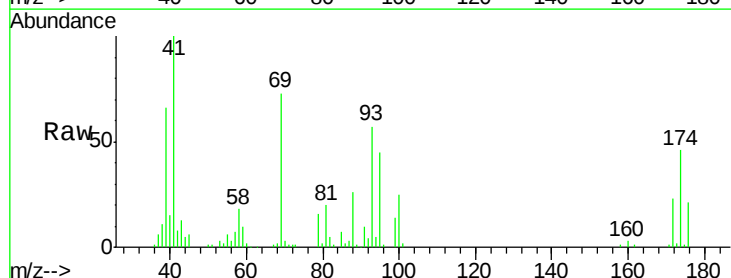
Manual Integrations
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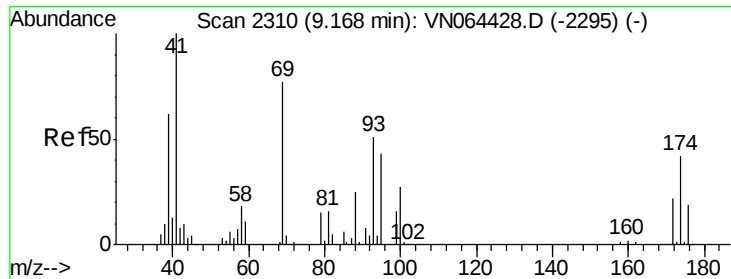
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#48
Methyl methacrylate
Concen: 17.216 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN064625.D
Acq: 13 Nov 2020 12:29

Tgt Ion	41	Resp	74895
Ion Ratio	100	Lower	Upper
41	100		
69	78.1	60.4	90.6
39	67.6	51.2	76.8





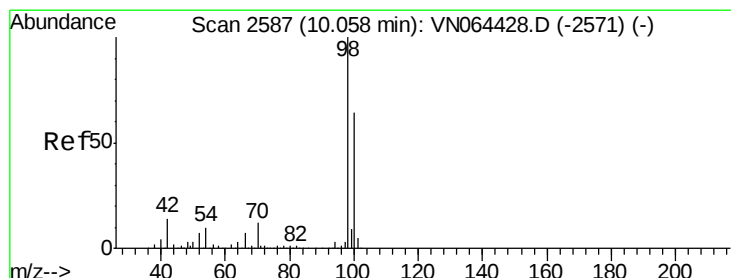
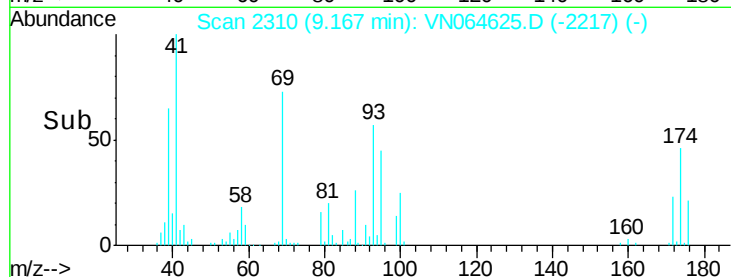
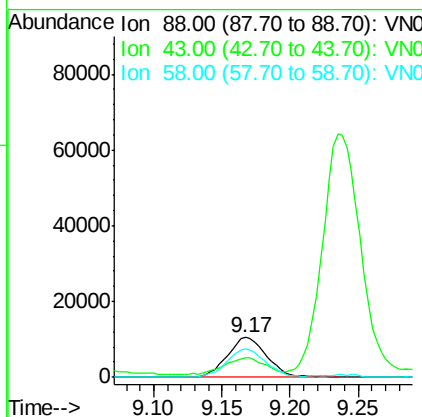
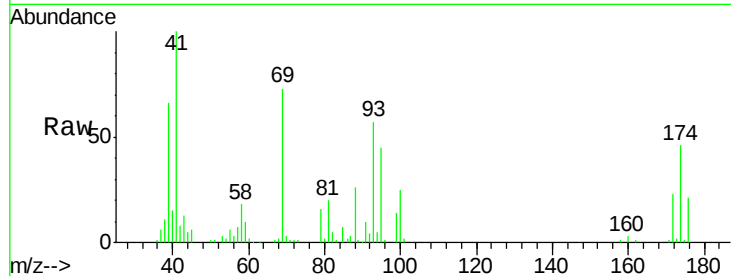
#49
1,4-Dioxane
Concen: 369.023 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN064625.D
Acq: 13 Nov 2020 12:29

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	42.8	31.0	46.6
58	70.4	58.4	87.6

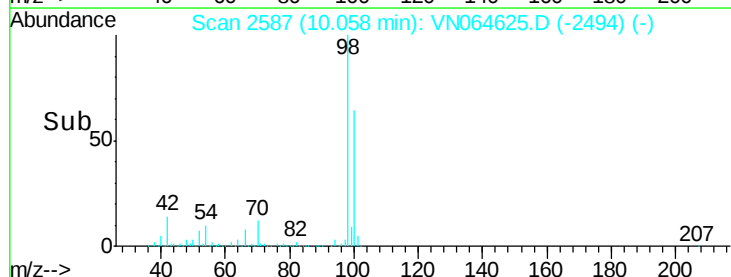
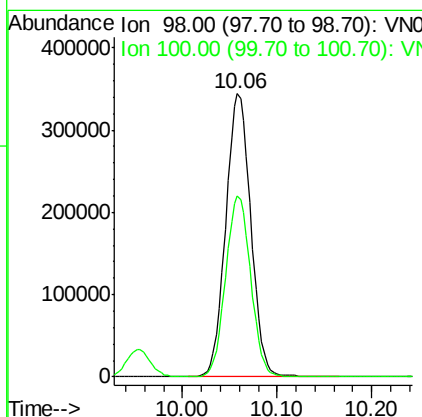
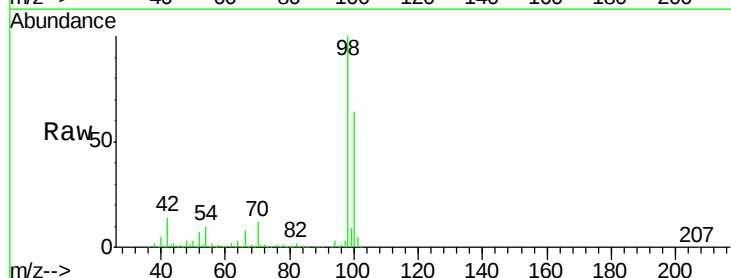
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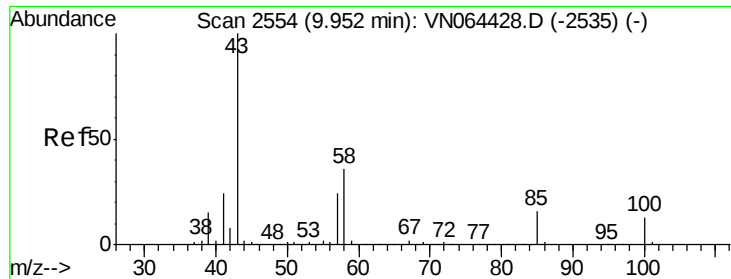
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#50
Toluene-d8
Concen: 47.796 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN064625.D
Acq: 13 Nov 2020 12:29

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	50.7	76.1





#51

4-Methyl-2-Pentanone

Concen: 96.739 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN064625.D

Acq: 13 Nov 2020 12:29

Instrument :

MSVOA_N

ClientSampleId :

VN1113WBS01

Tot Ion: 43 Resp: 486373

Ion Ratio Lower Upper

43 100

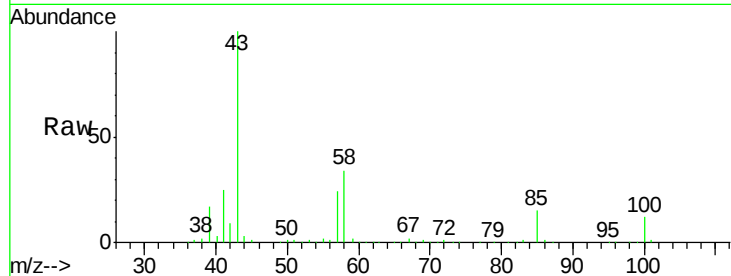
58 34.5 28.4 42.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.95

250000

200000

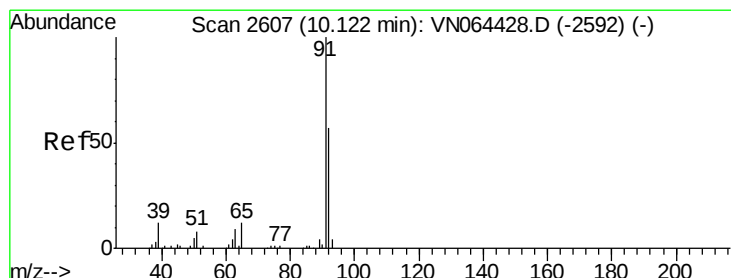
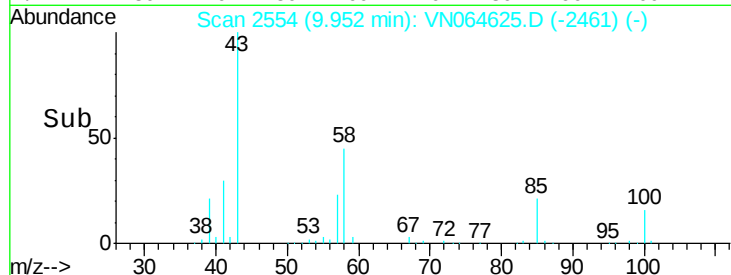
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 18.183 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064625.D

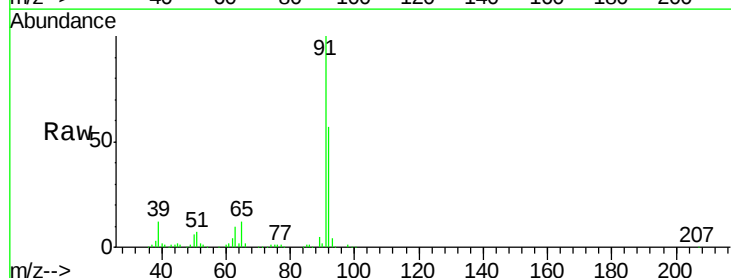
Acq: 13 Nov 2020 12:29

Tgt Ion: 92 Resp: 173364

Ion Ratio Lower Upper

92 100

91 176.5 139.6 209.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.12

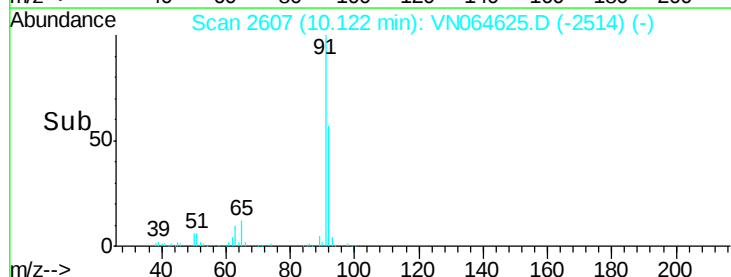
150000

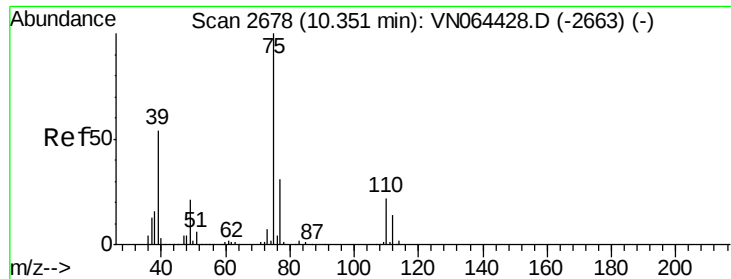
100000

50000

0

Time-->





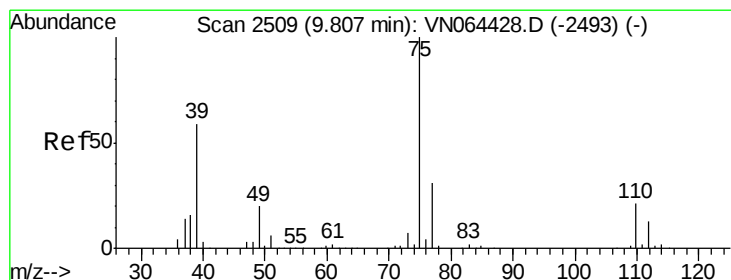
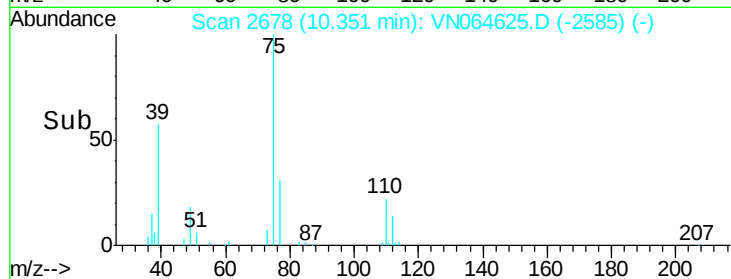
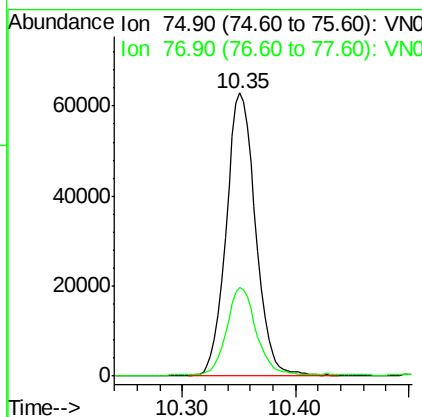
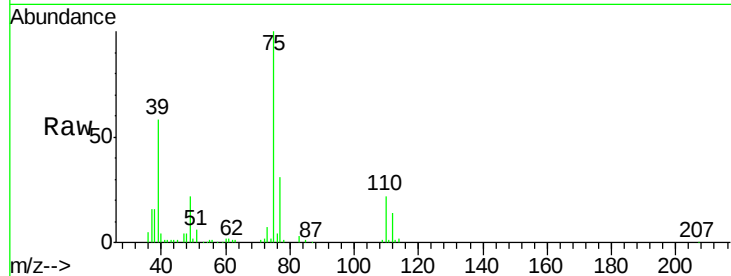
#53
t-1,3-Dichloropropene
Concen: 18.137 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN064625.D
Acq: 13 Nov 2020 12:29

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS01

Tot Ion: 75 Resp: 113527
Ion Ratio Lower Upper
75 100
77 30.6 24.8 37.2

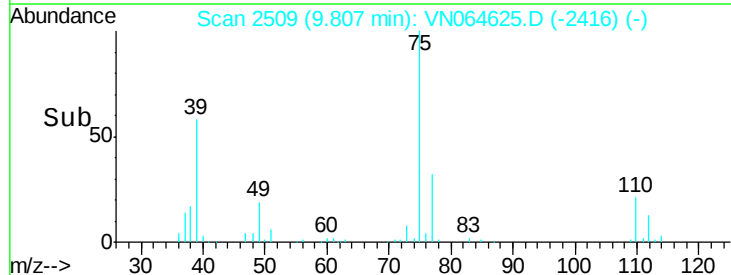
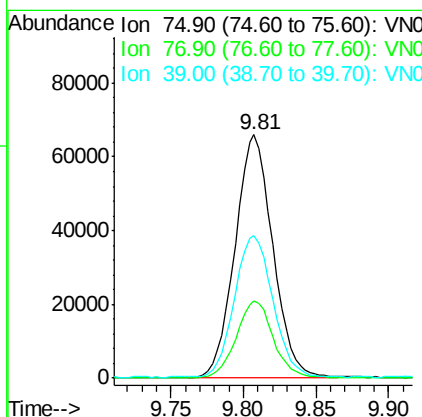
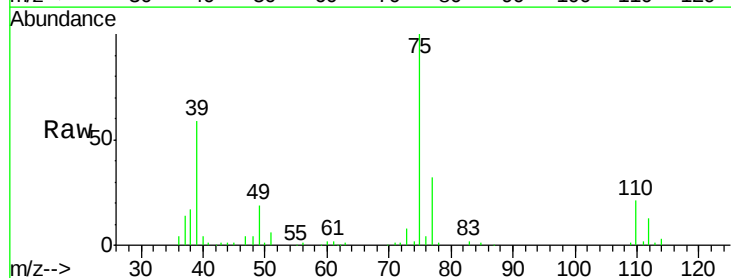
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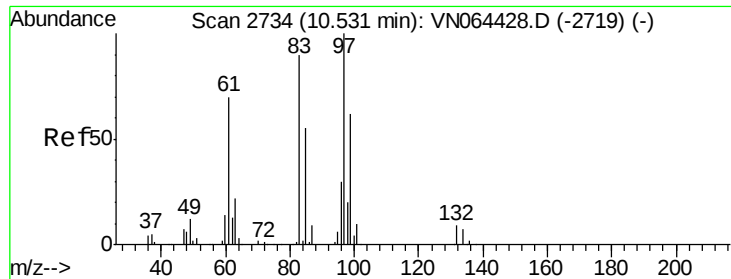
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#54
cis-1,3-Dichloropropene
Concen: 17.907 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN064625.D
Acq: 13 Nov 2020 12:29

Tgt Ion: 75 Resp: 119836
Ion Ratio Lower Upper
75 100
77 31.8 24.9 37.3
39 58.1 47.1 70.7





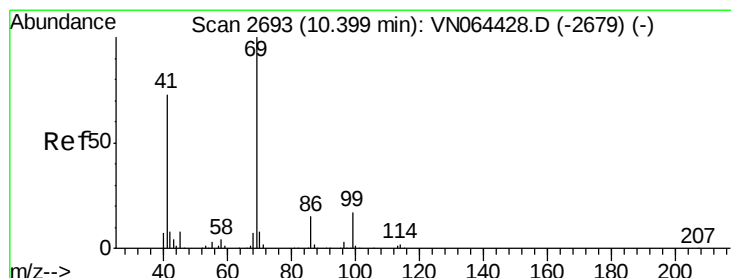
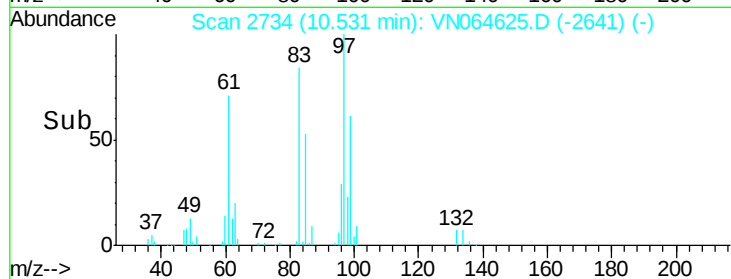
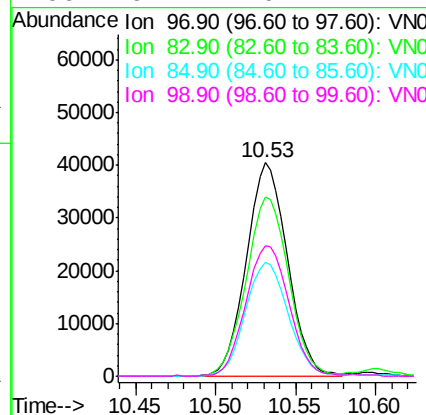
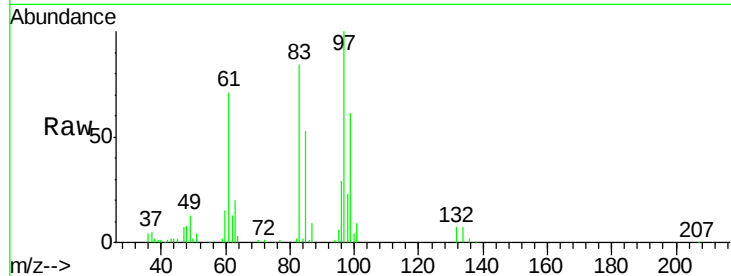
#55
 1,1,2-Trichloroethane
 Concen: 19.068 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN064625.D
 Acq: 13 Nov 2020 12:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1113WBS01

Tot Ion:	97	Resp:	70903
Ion	Ratio	Lower	Upper
97	100		
83	84.1	71.7	107.5
85	53.5	44.3	66.5
99	61.2	49.4	74.2

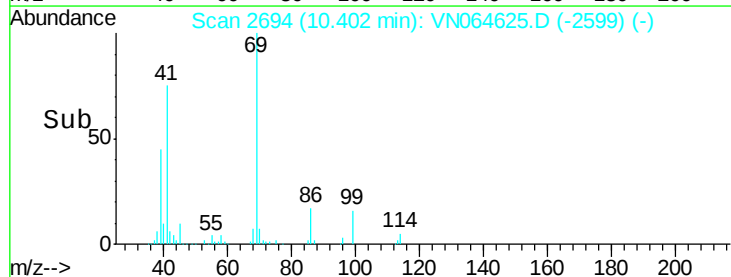
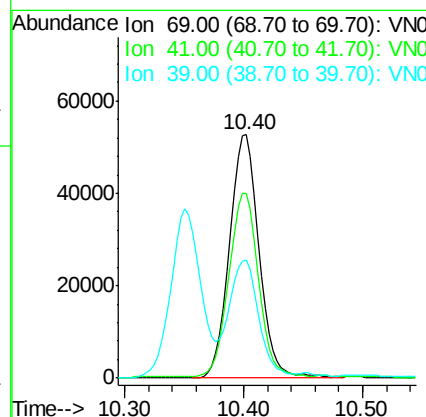
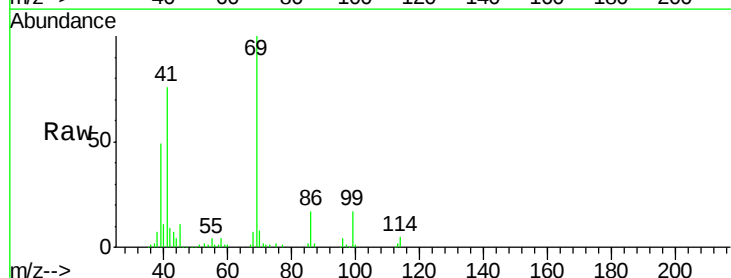
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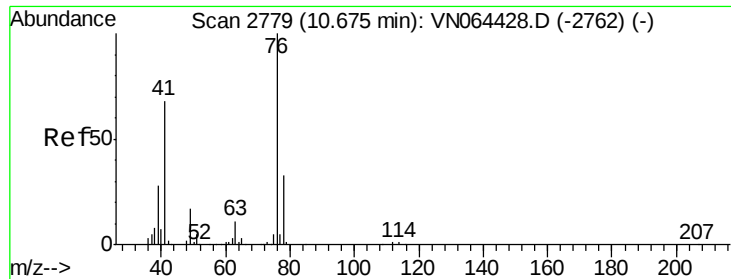
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#56
 Ethyl methacrylate
 Concen: 16.143 ug/l
 RT: 10.40 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VN064625.D
 Acq: 13 Nov 2020 12:29

Tgt Ion:	69	Resp:	90842
Ion	Ratio	Lower	Upper
69	100		
41	75.0	59.3	88.9
39	46.8	35.4	53.0





#57

1,3-Dichloropropane

Concen: 18.426 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. 0.00 min

Lab File: VN064625.D

Acq: 13 Nov 2020 12:29

Instrument :

MSVOA_N

ClientSampleId :

VN1113WBS01

Tot Ion: 76 Resp: 119591

Ion Ratio Lower Upper

76 100

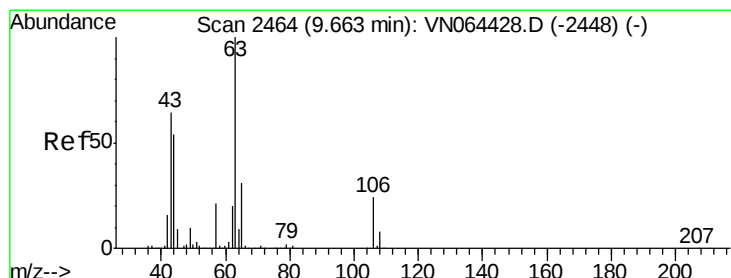
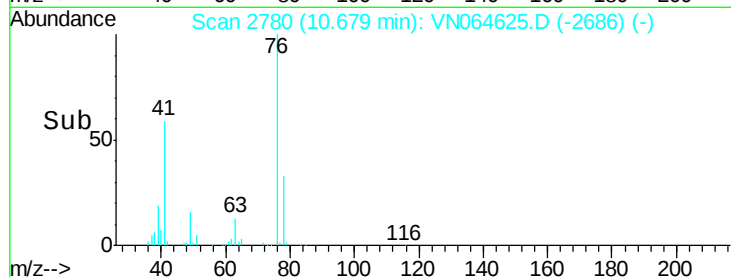
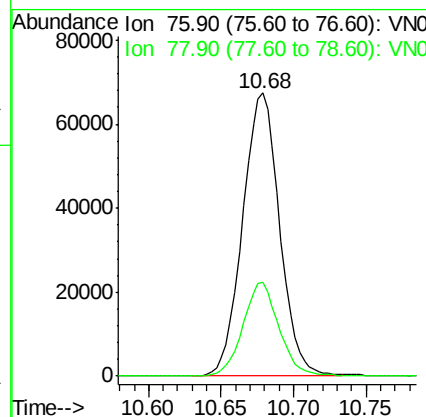
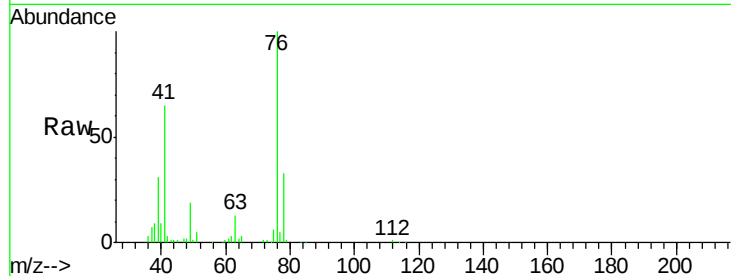
78 32.3 25.8 38.6

Manual Integrations

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11/17/2020 6:41:27 PM



#58

2-Chloroethyl Vinyl ether

Concen: 100.337 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN064625.D

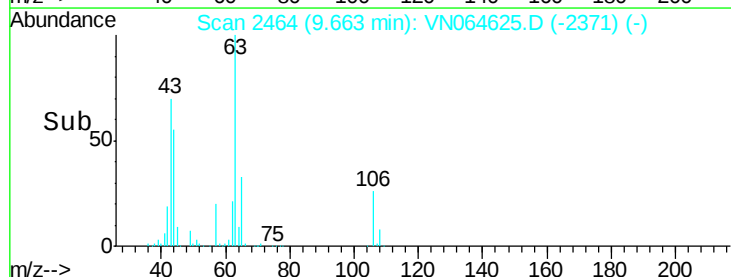
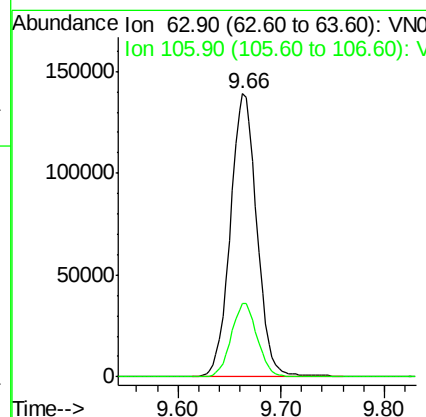
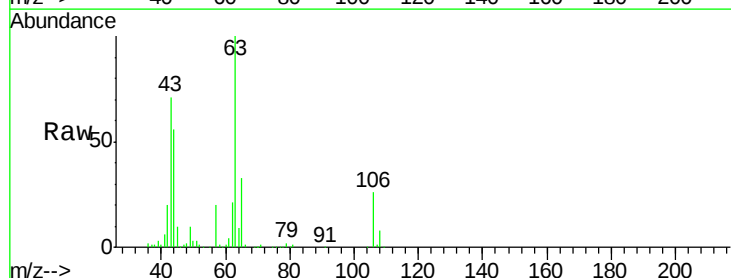
Acq: 13 Nov 2020 12:29

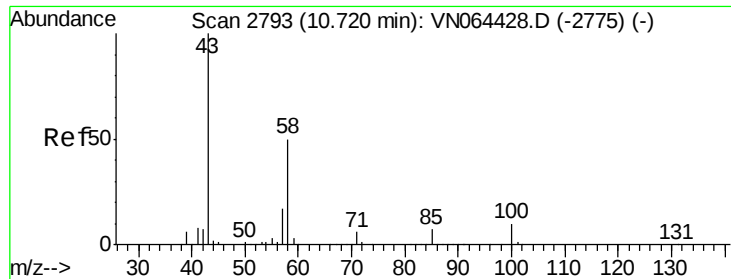
Tgt Ion: 63 Resp: 249269

Ion Ratio Lower Upper

63 100

106 25.4 19.5 29.3





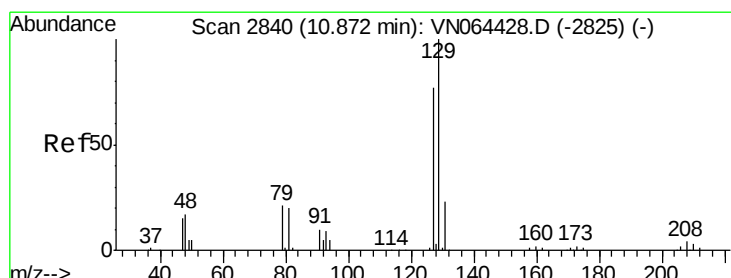
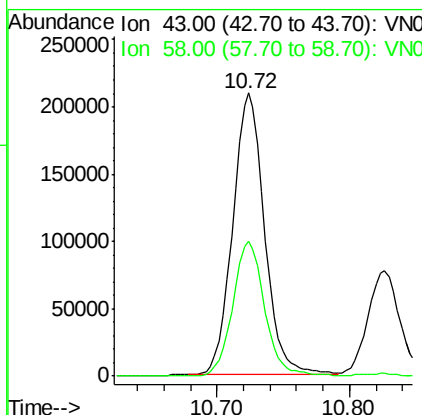
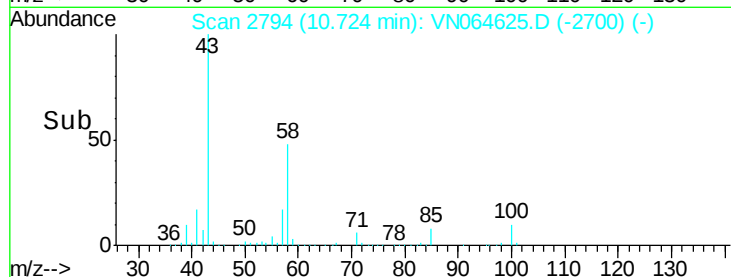
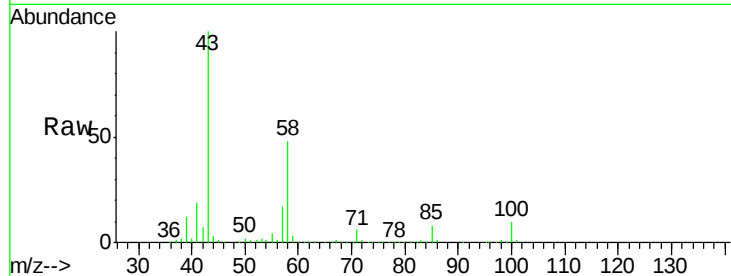
#59
2-Hexanone
Concen: 87.853 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064625.D
Acq: 13 Nov 2020 12:29

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS01

Tot Ion: 43 Resp: 349292
Ion Ratio Lower Upper
43 100
58 47.9 24.7 74.1

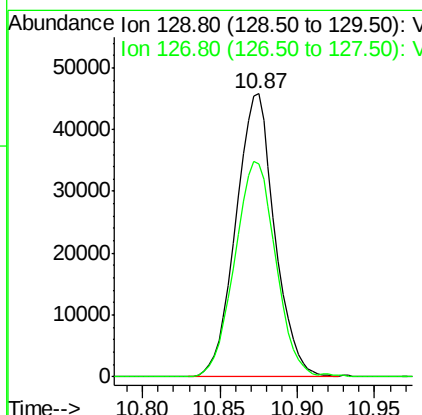
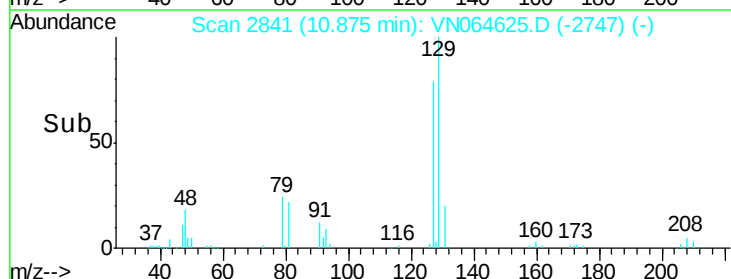
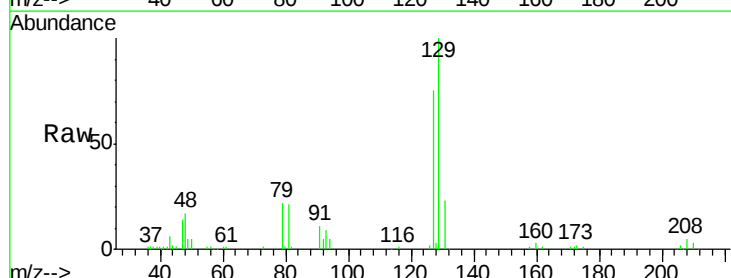
Manual Integrations
APPROVED

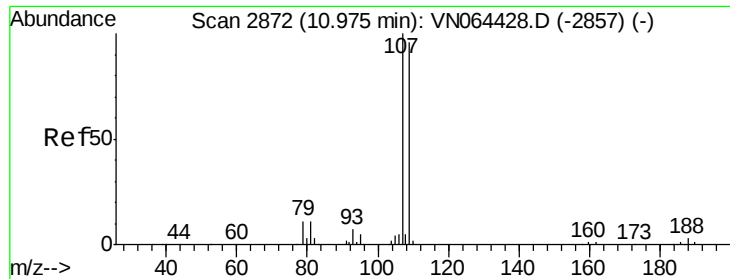
MMDadoda
11/17/2020 6:41:27 PM



#60
Dibromochloromethane
Concen: 19.229 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN064625.D
Acq: 13 Nov 2020 12:29

Tgt Ion: 129 Resp: 80052
Ion Ratio Lower Upper
129 100
127 80.4 38.9 116.7





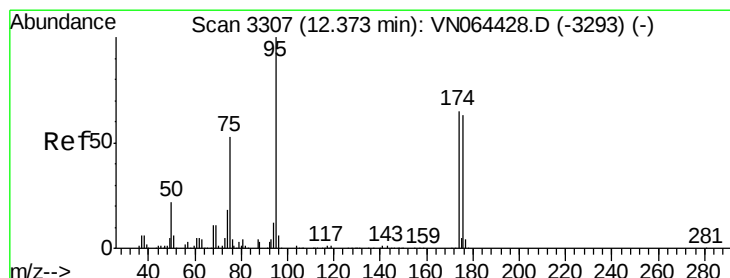
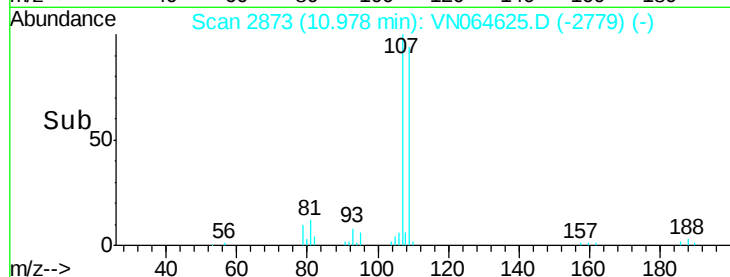
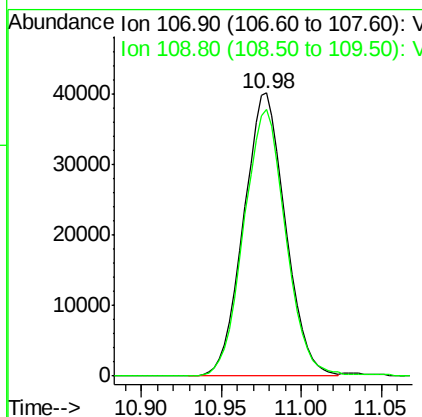
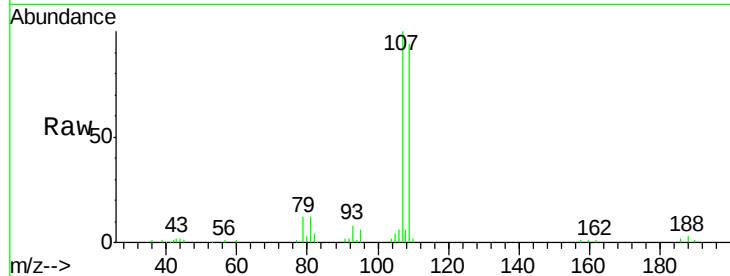
#61
 1,2-Dibromoethane
 Concen: 19.065 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN064625.D
 Acq: 13 Nov 2020 12:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1113WBS01

Tot Ion: 107 Resp: 71907
 Ion Ratio Lower Upper
 107 100
 109 94.4 75.9 113.9

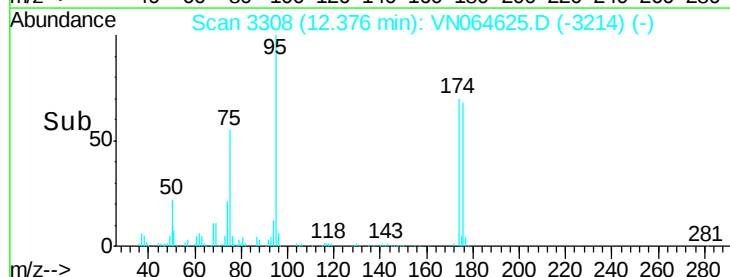
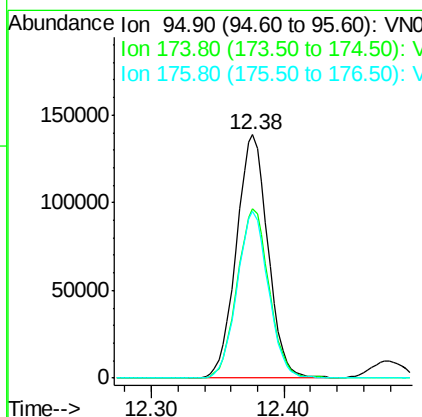
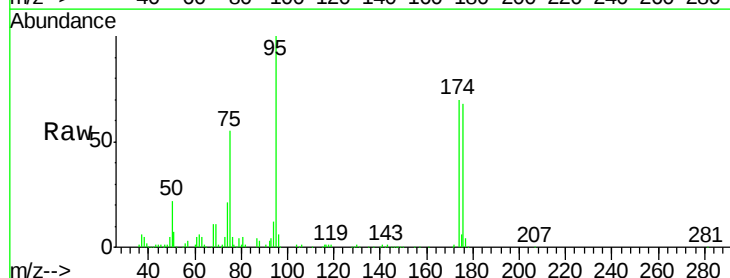
Manual Integrations
 APPROVED

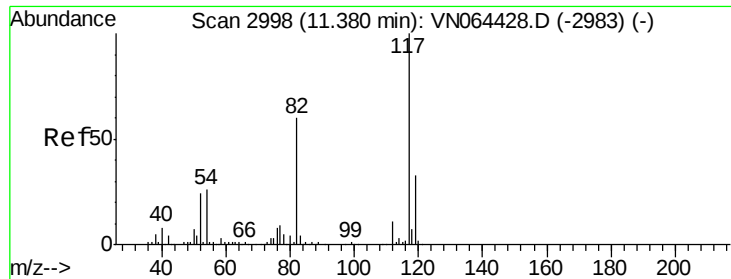
MMDadoda
 11/17/2020 6:41:27 PM



#62
 4-Bromofluorobenzene
 Concen: 45.838 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN064625.D
 Acq: 13 Nov 2020 12:29

Tgt Ion: 95 Resp: 229724
 Ion Ratio Lower Upper
 95 100
 174 70.4 0.0 132.6
 176 67.7 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: VN064625.D

Acq: 13 Nov 2020 12:29

Instrument :

MSVOA_N

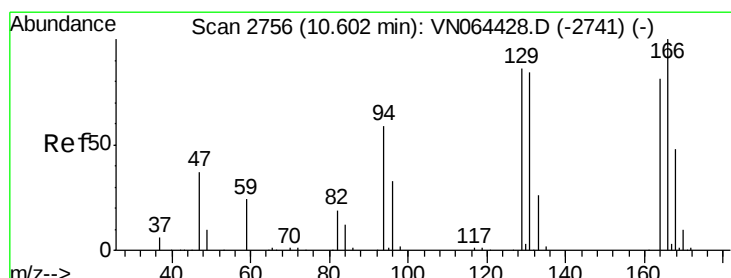
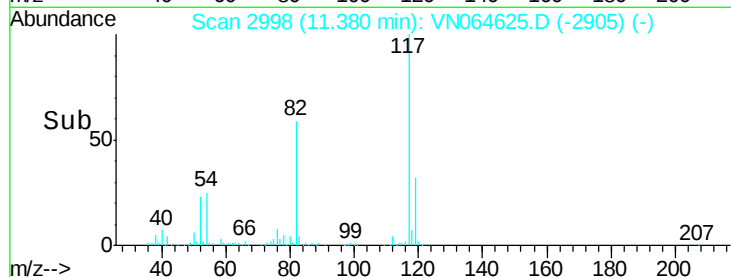
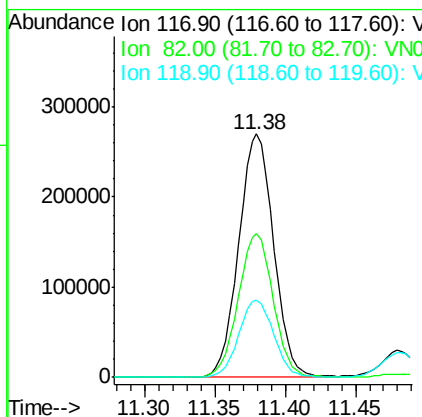
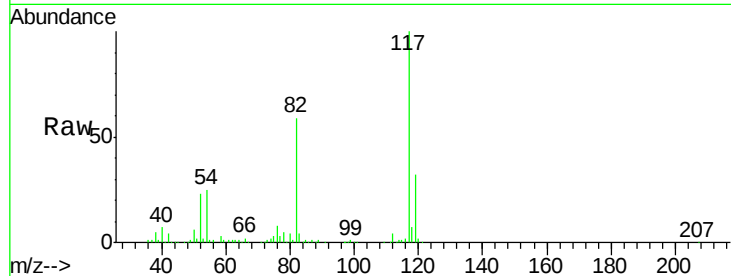
ClientSampleId :

VN1113WBS01

Tot Ion:	117	Resp:	469599
Ion Ratio	Lower	Upper	
117	100		
82	59.0	48.1	72.1
119	31.6	26.2	39.4

Manual Integrations
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#64

Tetrachloroethene

Concen: 17.968 ug/l

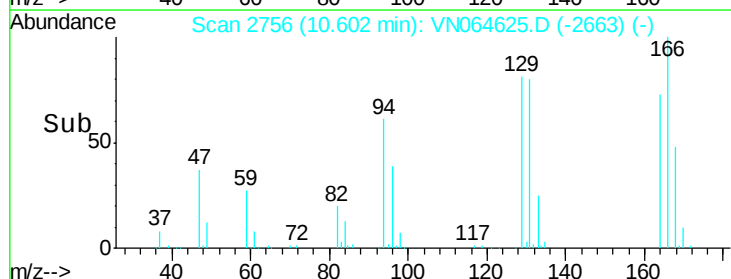
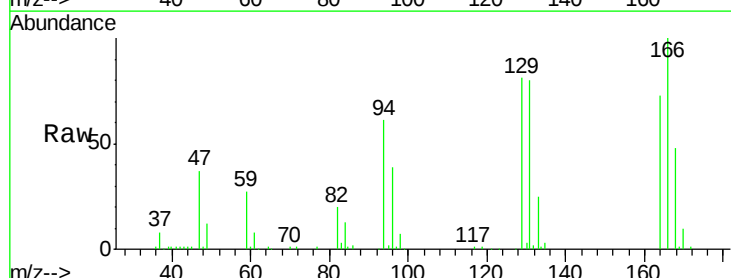
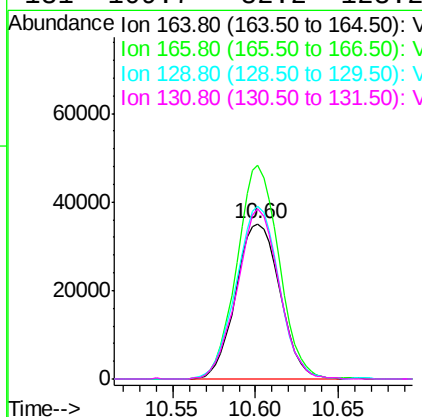
RT: 10.60 min Scan# 2756

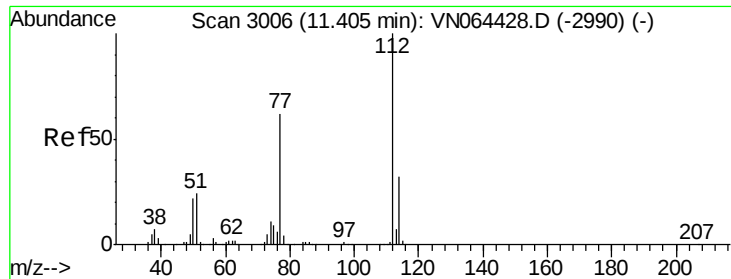
Delta R.T. -0.00 min

Lab File: VN064625.D

Acq: 13 Nov 2020 12:29

Tgt Ion:	164	Resp:	64995
Ion Ratio	Lower	Upper	
164	100		
166	137.9	98.2	147.2
129	111.8	84.6	127.0
131	109.7	82.2	123.2





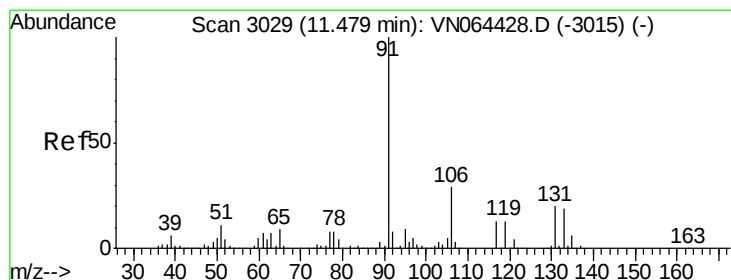
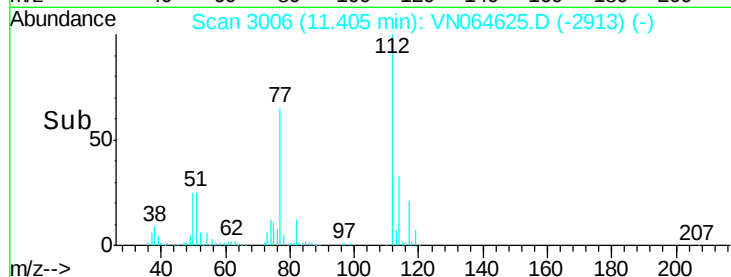
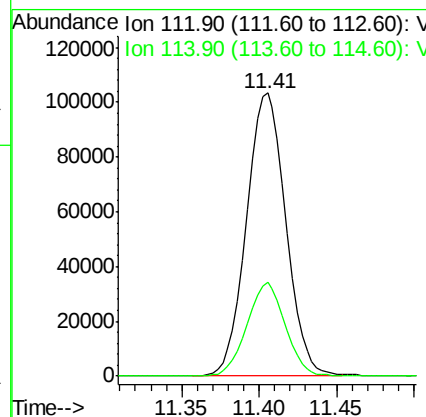
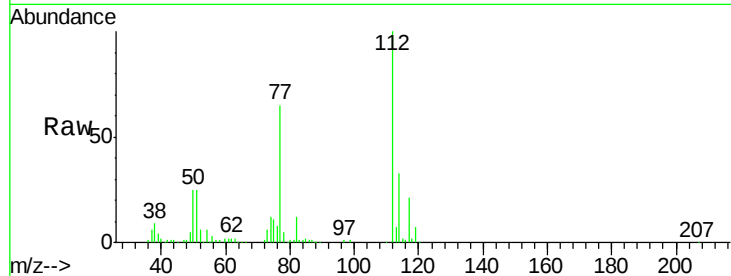
#65
Chlorobenzene
Concen: 17.783 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN064625.D
Acq: 13 Nov 2020 12:29

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS01

Tot Ion:112 Resp: 183069
Ion Ratio Lower Upper
112 100
114 33.0 25.6 38.4

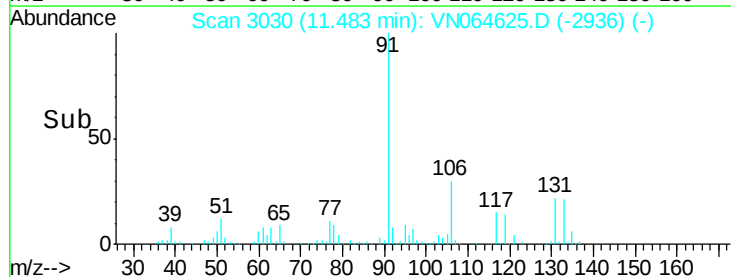
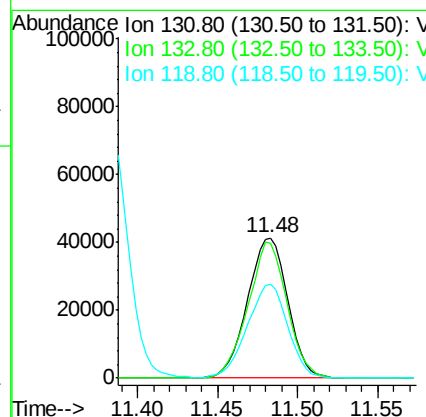
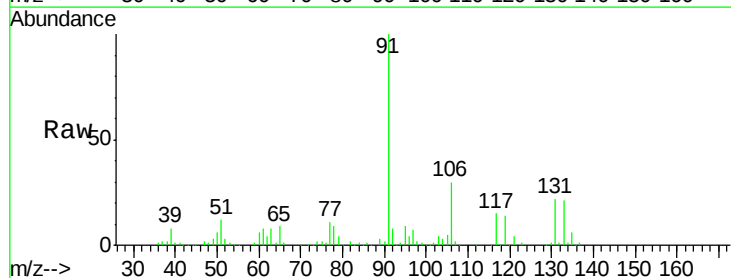
Manual Integrations
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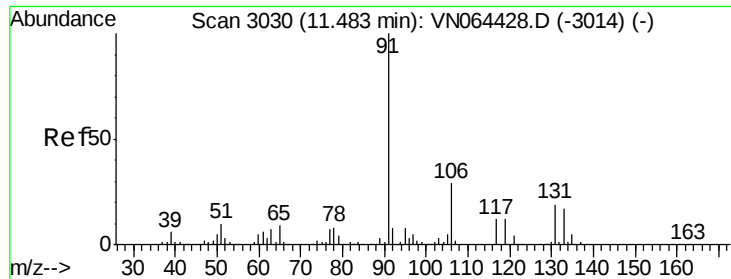
MMDadoda
11/17/2020 6:41:27 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.511 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064625.D
Acq: 13 Nov 2020 12:29

Tgt Ion:131 Resp: 71094
Ion Ratio Lower Upper
131 100
133 94.5 46.9 140.7
119 67.9 32.1 96.5





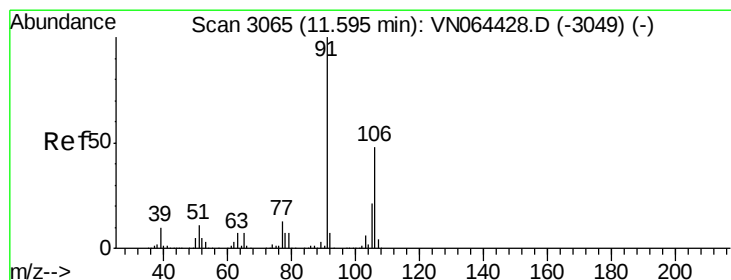
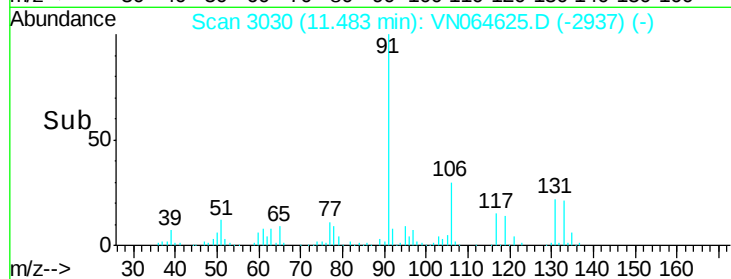
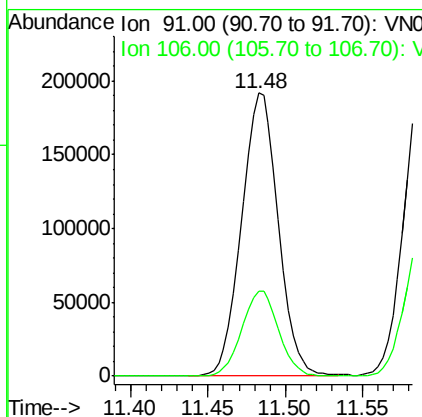
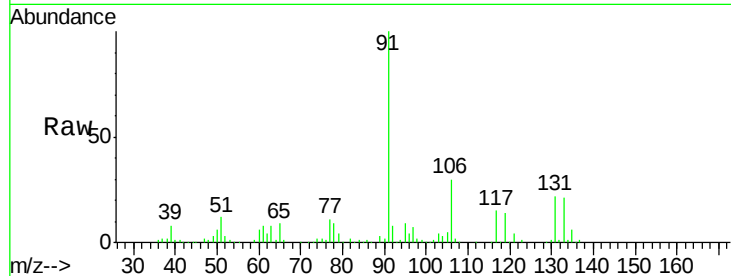
#67
Ethyl Benzene
Concen: 17.307 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN064625.D
Acq: 13 Nov 2020 12:29

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS01

Tot Ion: 91 Resp: 316920
Ion Ratio Lower Upper
91 100
106 29.8 23.6 35.4

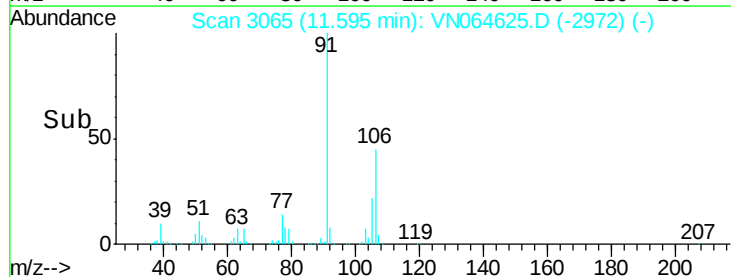
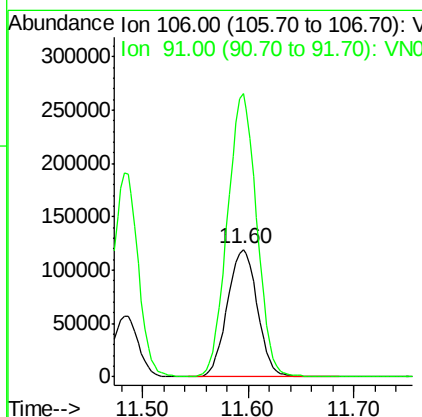
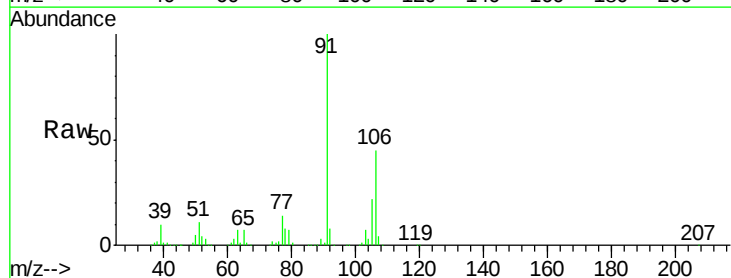
Manual Integrations
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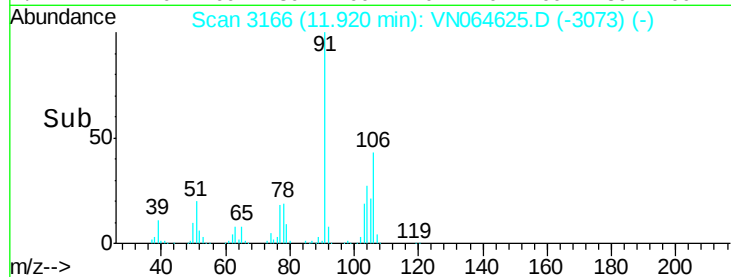
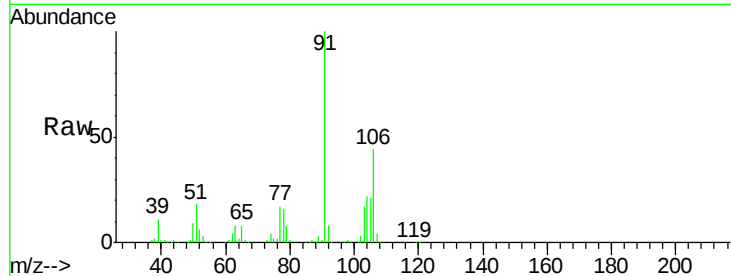
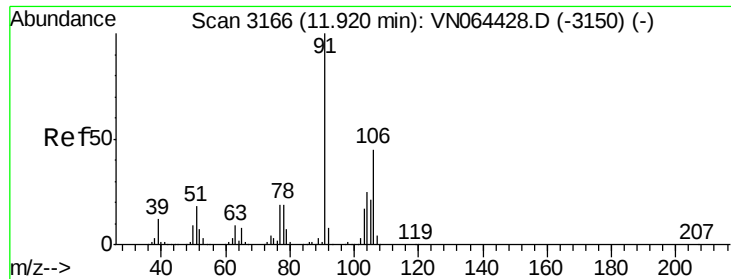
MMDadoda
11/17/2020 6:41:27 PM



#68
m/p-Xylenes
Concen: 35.567 ug/l
RT: 11.60 min Scan# 3065
Delta R.T. -0.00 min
Lab File: VN064625.D
Acq: 13 Nov 2020 12:29

Tgt Ion: 106 Resp: 236196
Ion Ratio Lower Upper
106 100
91 214.7 169.4 254.2





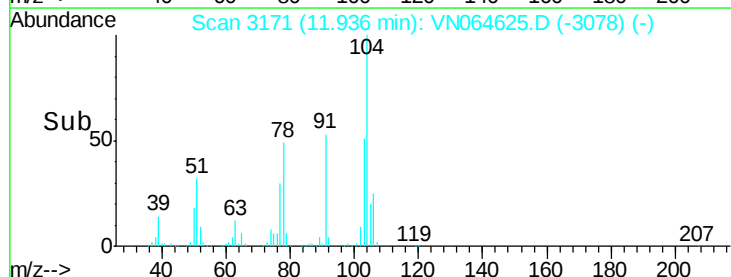
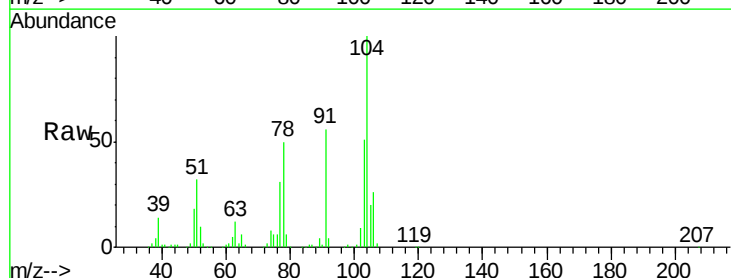
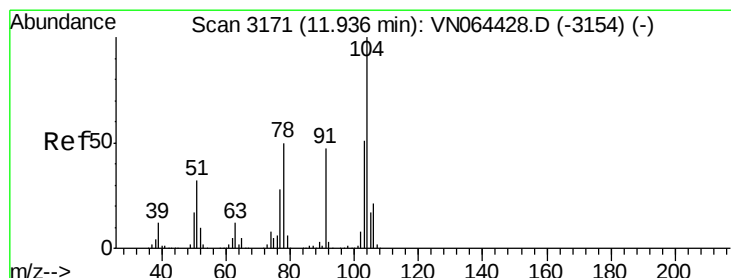
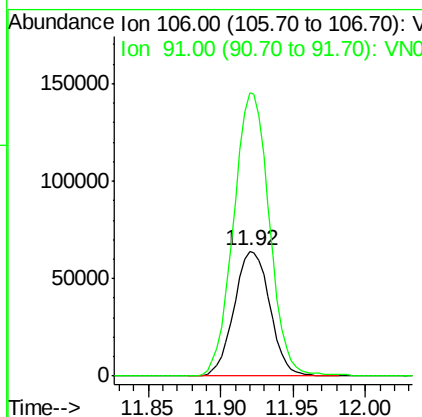
#69
o-Xylene
Concen: 17.087 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN064625.D
Acq: 13 Nov 2020 12:29

Tot Ion:106 Resp: 109651
Ion Ratio Lower Upper
106 100
91 227.8 111.7 334.9

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS01

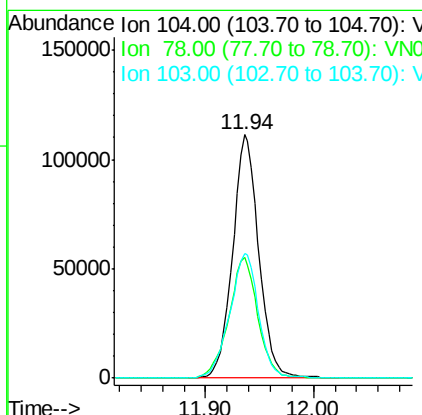
Manual Integrations
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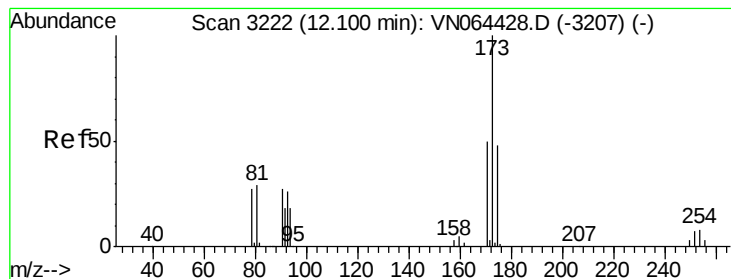
MMDadoda
11/17/2020 6:41:27 PM



#70
Styrene
Concen: 17.459 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064625.D
Acq: 13 Nov 2020 12:29

Tgt Ion:104 Resp: 188525
Ion Ratio Lower Upper
104 100
78 54.6 44.0 66.0
103 56.4 43.8 65.6





#71

Bromoform

Concen: 18.749 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN064625.D

Acq: 13 Nov 2020 12:29

Instrument :

MSVOA_N

ClientSampleId :

VN1113WBS01

Tot Ion:173 Resp: 51708

Ion Ratio Lower Upper

173 100

175 47.2 23.7 71.1

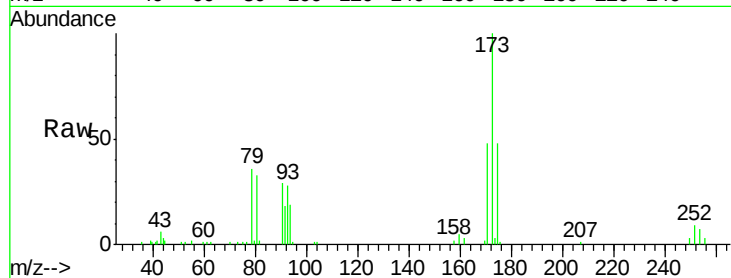
254 0.0 0.0 0.0

Manual Integrations

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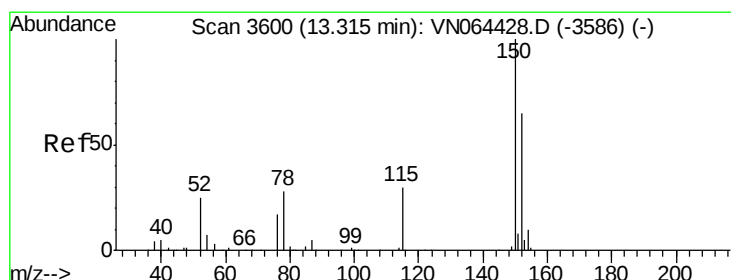
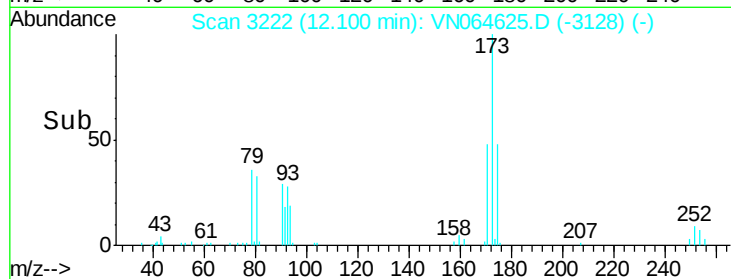
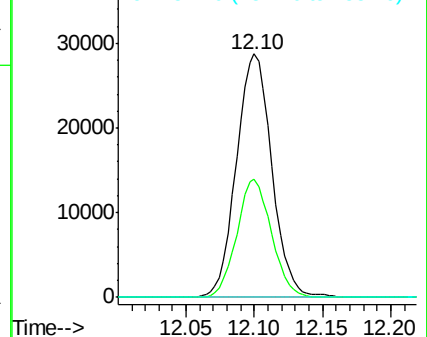
11/17/2020 6:41:27 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN064625.D

Acq: 13 Nov 2020 12:29

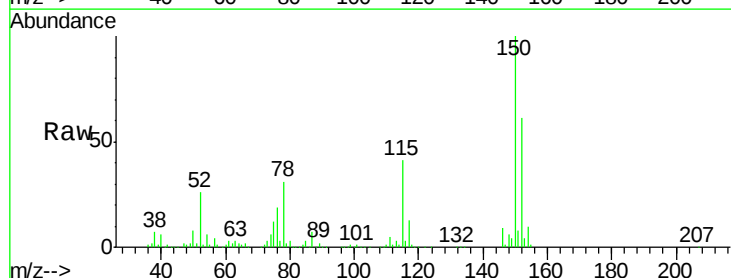
Tgt Ion:152 Resp: 212436

Ion Ratio Lower Upper

152 100

115 66.0 32.0 96.0

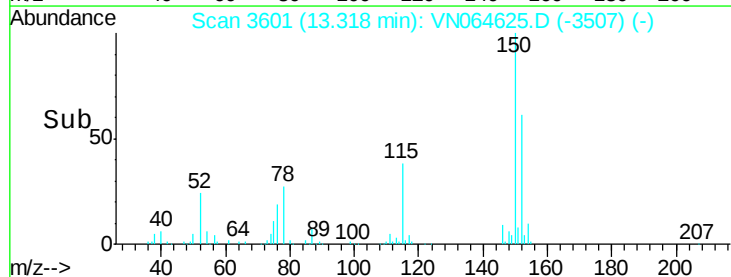
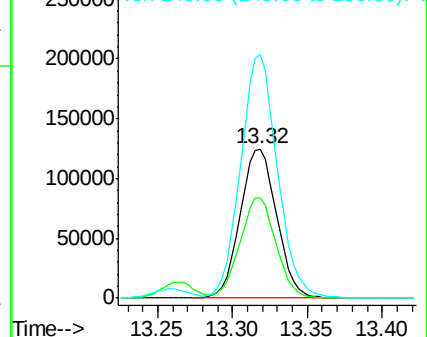
150 163.6 0.0 353.8

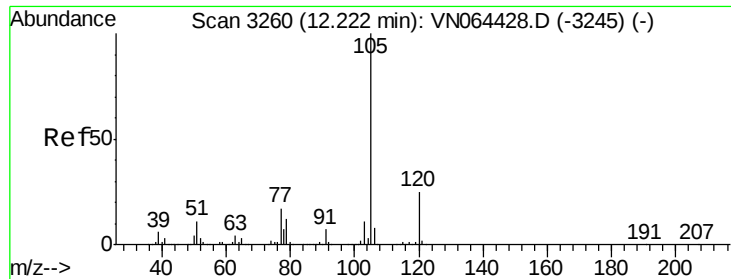


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





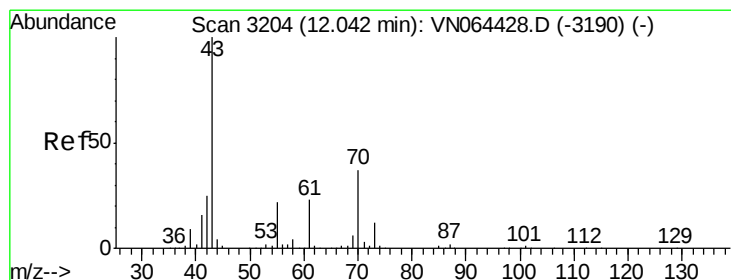
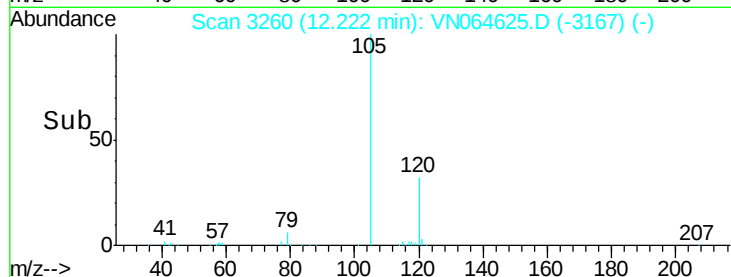
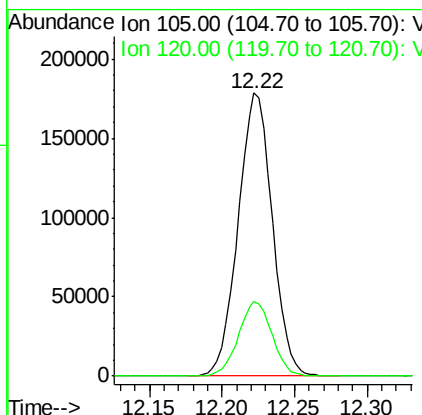
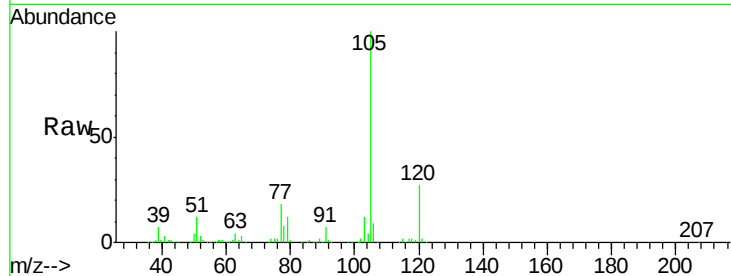
#73
Isopropylbenzene
Concen: 17.296 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. -0.00 min
Lab File: VN064625.D
Acq: 13 Nov 2020 12:29

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.8	38.3

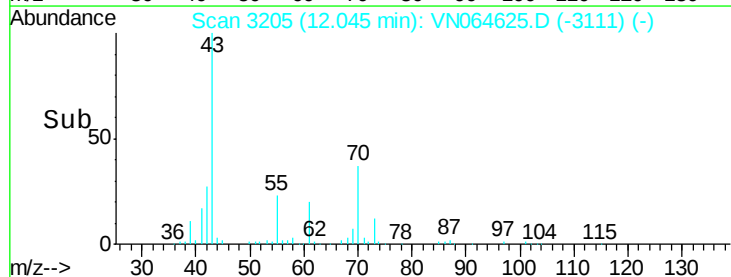
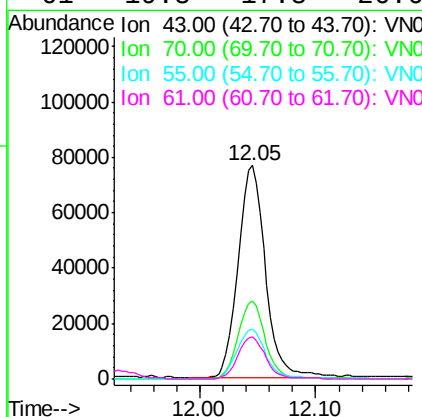
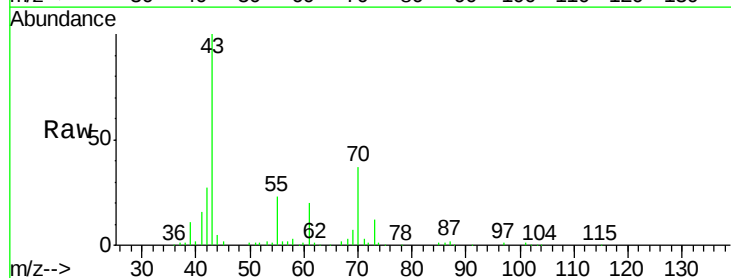
Manual Integrations
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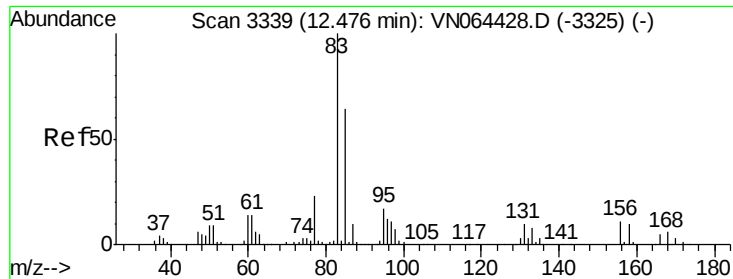
MMDadoda
11/17/2020 6:41:27 PM



#74
N-ethyl acetate
Concen: 16.187 ug/l
RT: 12.05 min Scan# 3205
Delta R.T. 0.00 min
Lab File: VN064625.D
Acq: 13 Nov 2020 12:29

Tgt Ion	Ratio	Lower	Upper
43	100		
70	36.0	29.6	44.4
55	24.6	18.4	27.6
61	19.8	17.8	26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 18.672 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064625.D

Acq: 13 Nov 2020 12:29

Instrument :

MSVOA_N

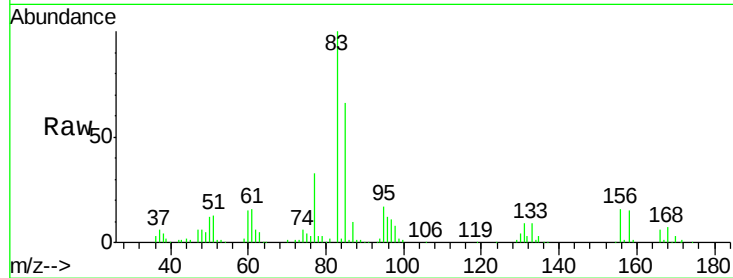
ClientSampleId :

VN1113WBS01

Tot Ion:	83	Resp:	96839
Ion Ratio	Lower	Upper	
83	100		
131	9.5	4.9	14.7
85	66.6	32.1	96.5

Manual Integrations
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11/17/2020 6:41:27 PM

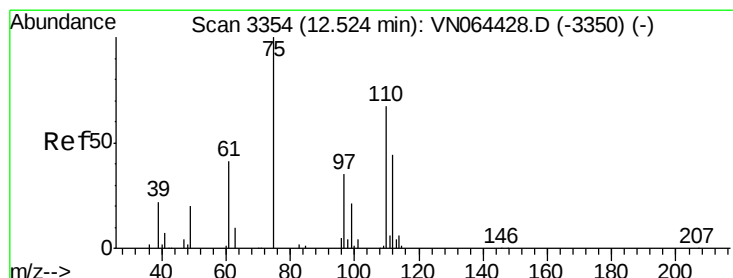
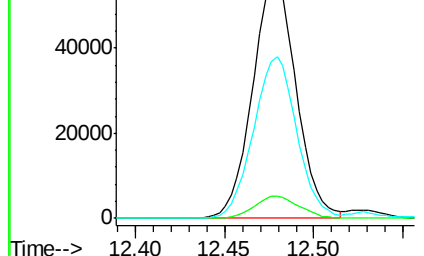
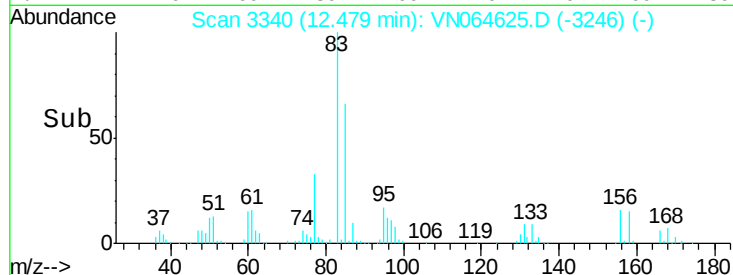


Abundance Ion 82.90 (82.60 to 83.60): VN064428.D (-3325) (-)

Ion 130.80 (130.50 to 131.50): VN064428.D (-3325) (-)

Ion 84.90 (84.60 to 85.60): VN064428.D (-3325) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 18.216 ug/l m

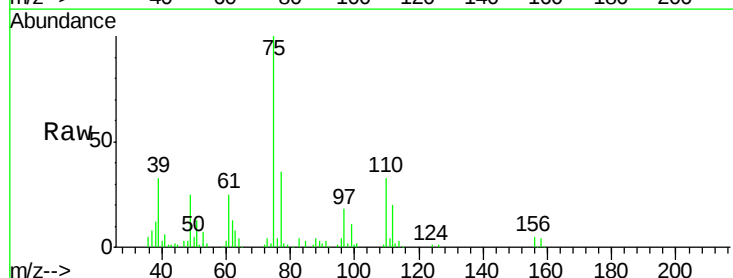
RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN064625.D

Acq: 13 Nov 2020 12:29

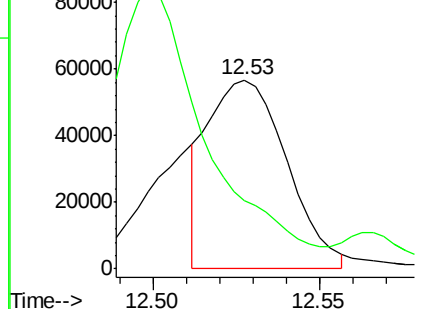
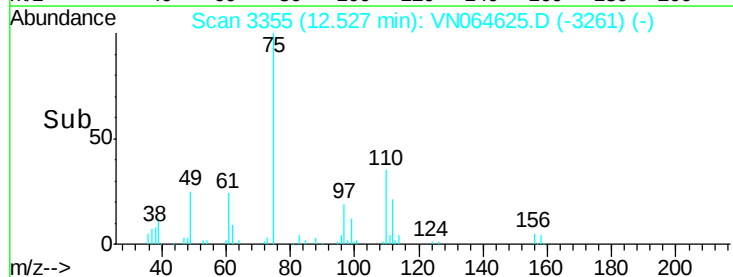
Tgt Ion:	75	Resp:	93763
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0

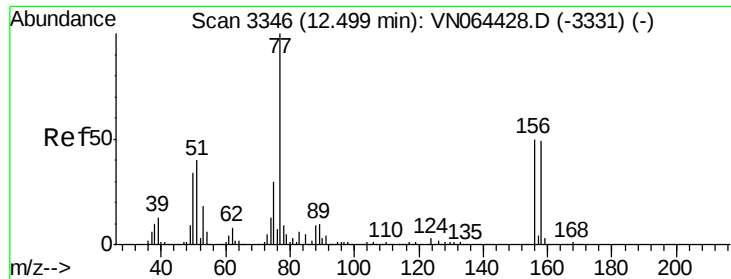


Abundance Ion 74.90 (74.60 to 75.60): VN064428.D (-3350) (-)

Ion 77.00 (76.70 to 77.70): VN064428.D (-3350) (-)

Time-->





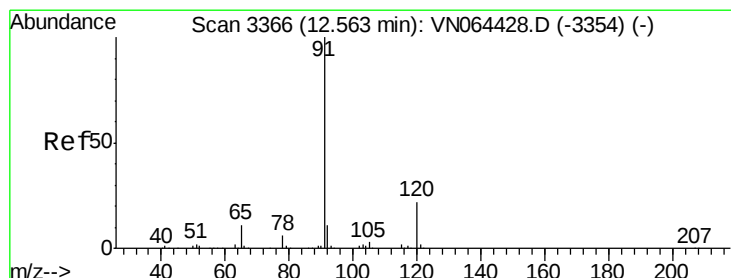
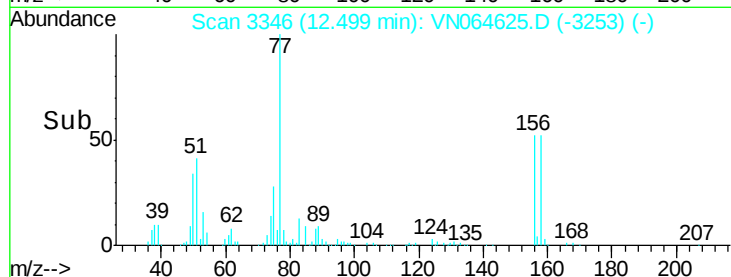
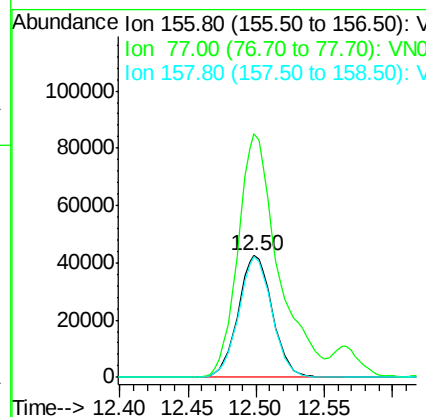
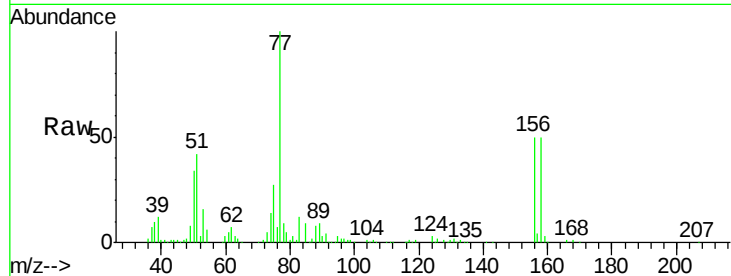
#77
Bromobenzene
Concen: 17.945 ug/l
RT: 12.50 min Scan# 3346
Delta R.T. -0.00 min
Lab File: VN064625.D
Acq: 13 Nov 2020 12:29

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	235.7	119.0	357.0
158	95.9	48.4	145.3

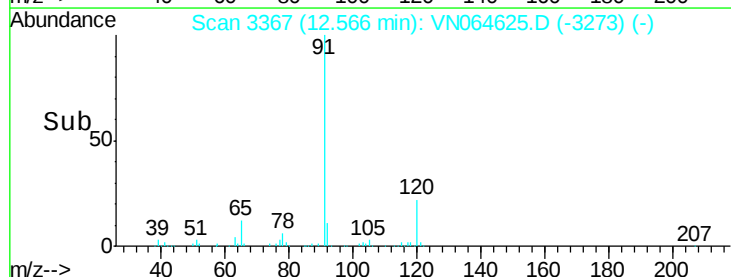
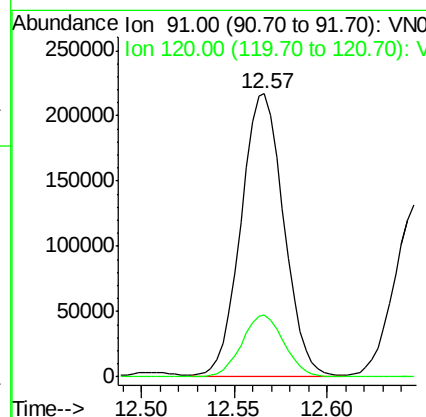
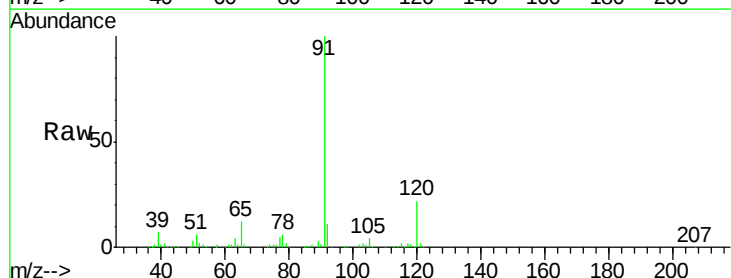
Manual Integrations
APPROVED

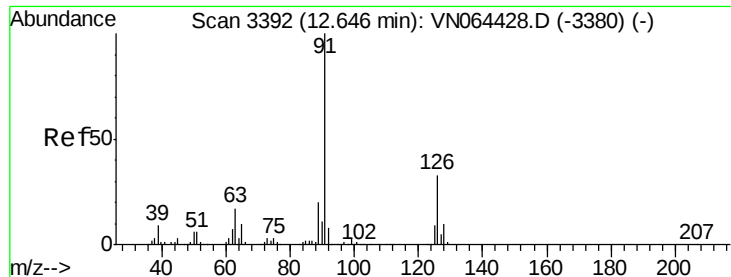
MMDadoda
11/17/2020 6:41:27 PM



#78
n-propylbenzene
Concen: 18.111 ug/l
RT: 12.57 min Scan# 3367
Delta R.T. 0.00 min
Lab File: VN064625.D
Acq: 13 Nov 2020 12:29

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.5	11.0	33.0





#79

2-Chlorotoluene

Concen: 18.143 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN064625.D

Acq: 13 Nov 2020 12:29

Instrument :

MSVOA_N

ClientSampleId :

VN1113WBS01

Tot Ion: 91 Resp: 221518

Ion Ratio Lower Upper

91 100

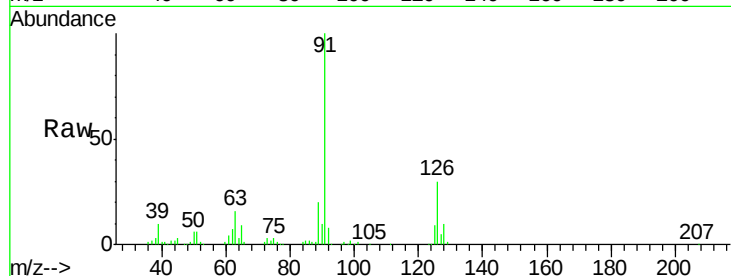
126 31.0 16.4 49.1

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN064625.D (-3393) (-)

Ion 125.90 (125.60 to 126.60): VN064625.D (-3393) (-)

200000

150000

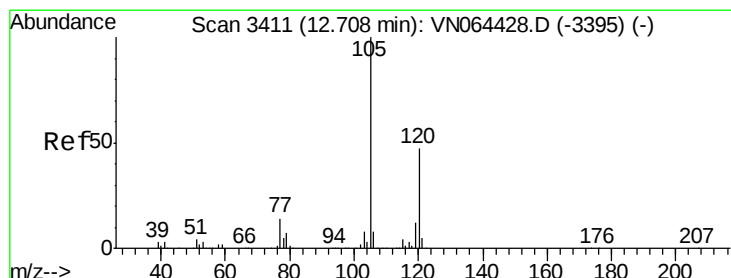
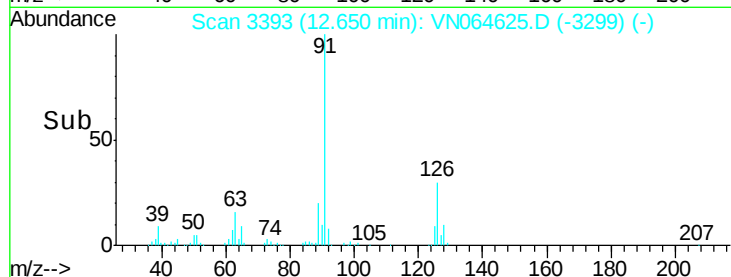
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 17.994 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN064625.D

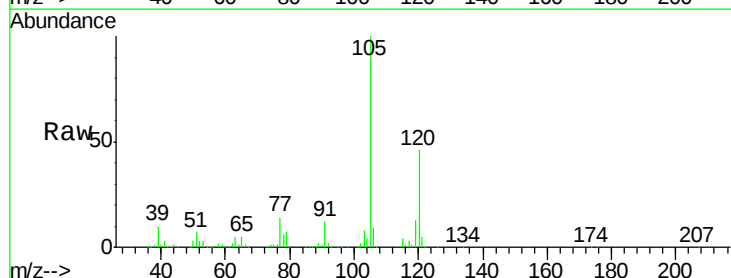
Acq: 13 Nov 2020 12:29

Tgt Ion: 105 Resp: 250655

Ion Ratio Lower Upper

105 100

120 46.4 23.4 70.2



Abundance Ion 105.00 (104.70 to 105.70): VN064625.D (-3411) (-)

Ion 120.00 (119.70 to 120.70): VN064625.D (-3411) (-)

150000

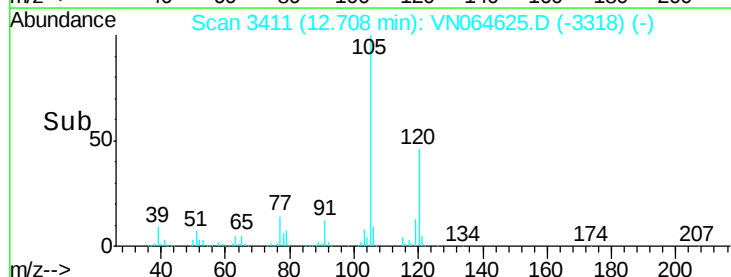
100000

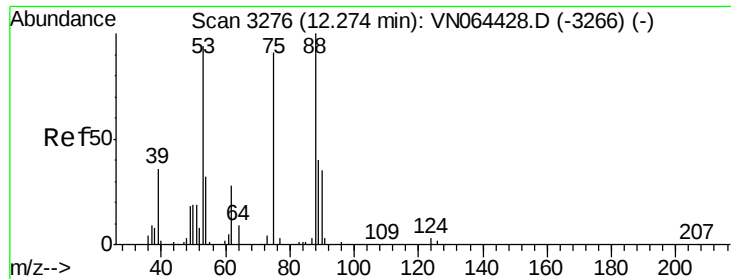
50000

0

12.65 12.70 12.75 12.80

Time-->





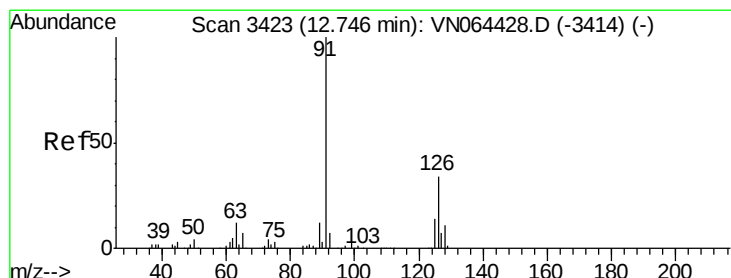
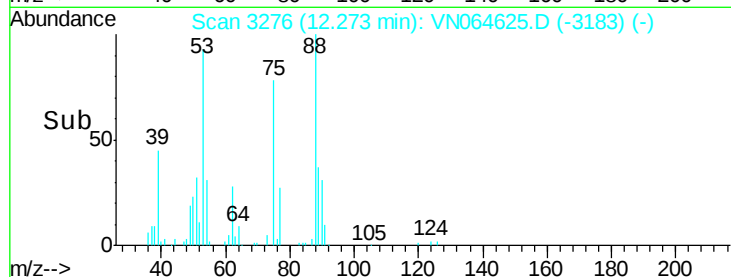
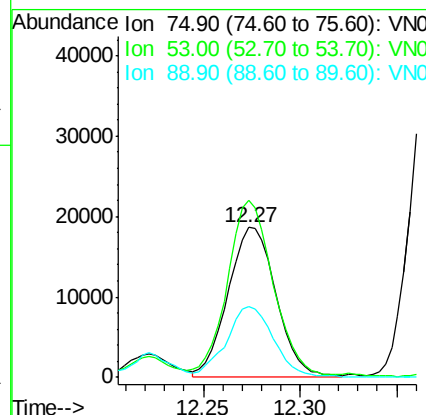
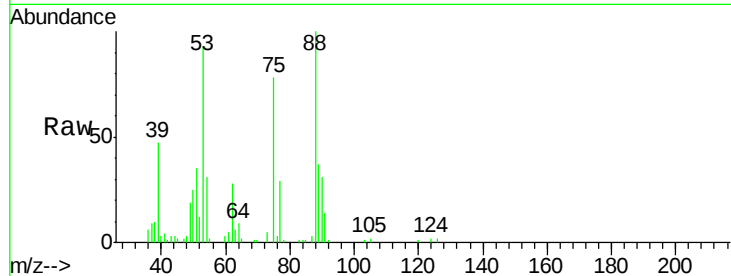
#81
trans-1,4-Dichloro-2-butene
Concen: 17.574 ug/l
RT: 12.27 min Scan# 3276
Delta R.T. -0.00 min
Lab File: VN064625.D
Acq: 13 Nov 2020 12:29

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	110.1	84.0	126.0
89	46.2	36.3	54.5

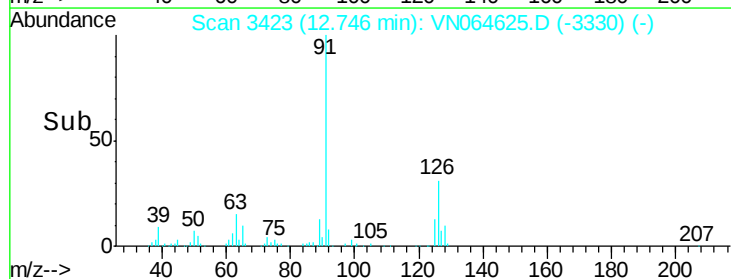
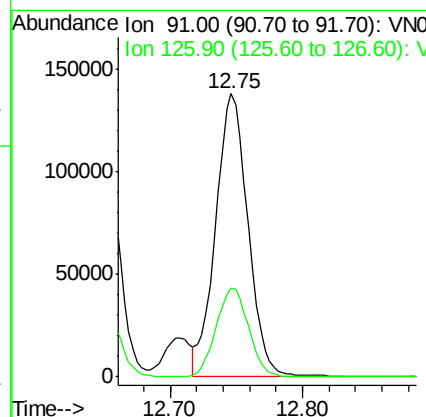
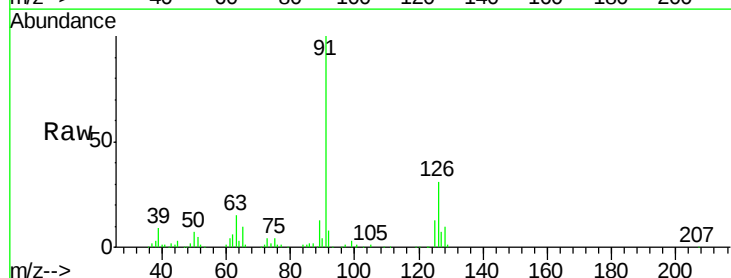
Manual Integrations
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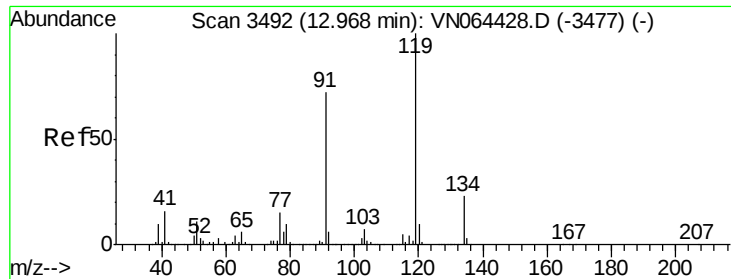
MMDadoda
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#82
4-Chlorotoluene
Concen: 18.153 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. -0.00 min
Lab File: VN064625.D
Acq: 13 Nov 2020 12:29

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.4	46.2





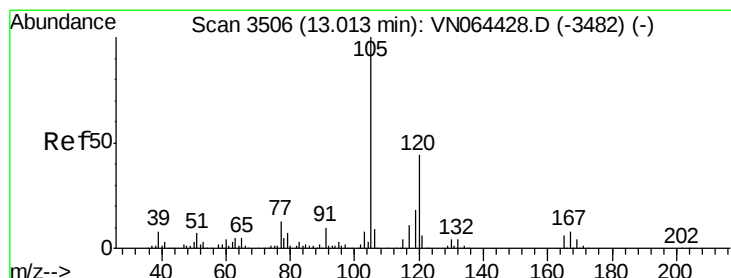
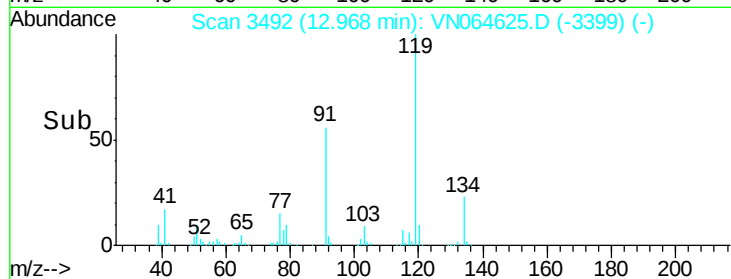
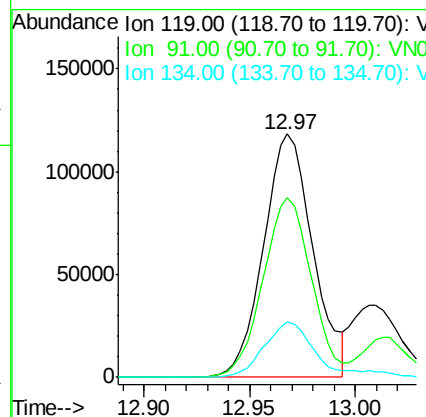
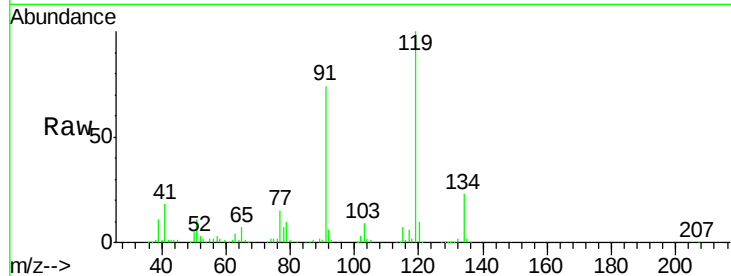
#83
 tert-Butylbenzene
 Concen: 17.734 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. -0.00 min
 Lab File: VN064625.D
 Acq: 13 Nov 2020 12:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1113WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	192936		
91	72.4	36.1	108.3	
134	24.4	11.7	35.1	

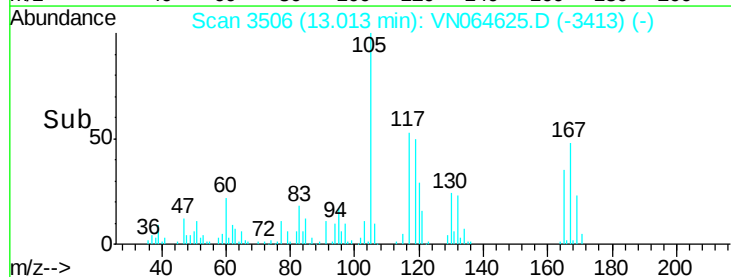
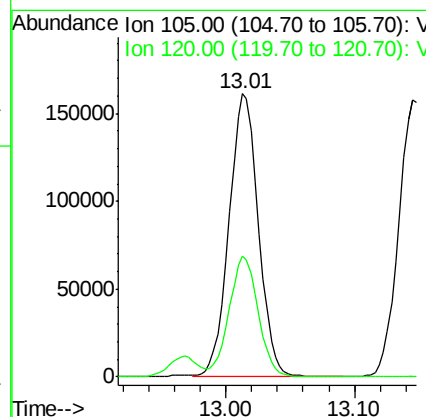
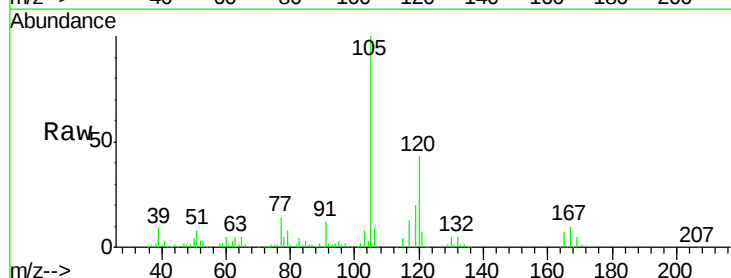
Manual Integrations
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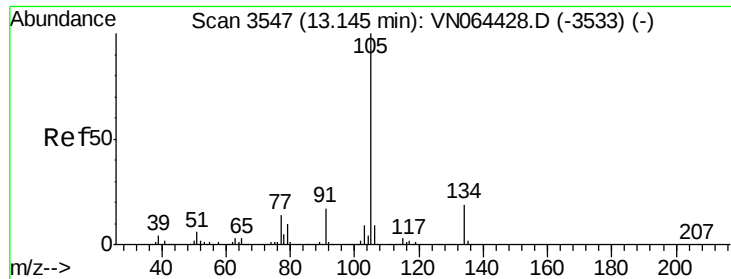
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 18.065 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. -0.00 min
 Lab File: VN064625.D
 Acq: 13 Nov 2020 12:29

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	252968		
120	42.5	21.9	65.7	





#85

sec-Butylbenzene

Concen: 18.719 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064625.D

Acq: 13 Nov 2020 12:29

Instrument :

MSVOA_N

ClientSampleId :

VN1113WBS01

Tot Ion:105 Resp: 257910

Ion Ratio Lower Upper

105 100

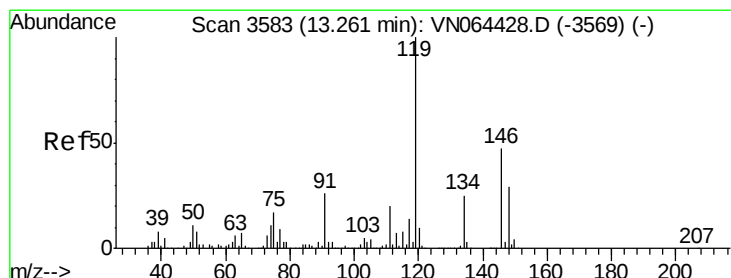
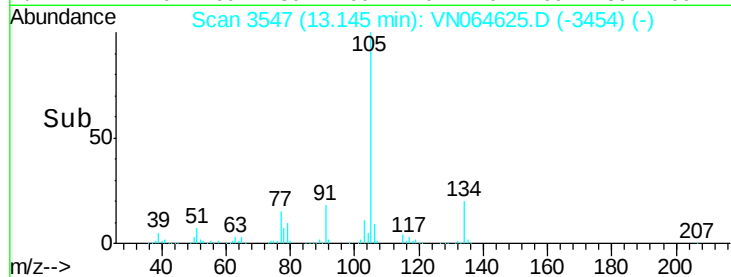
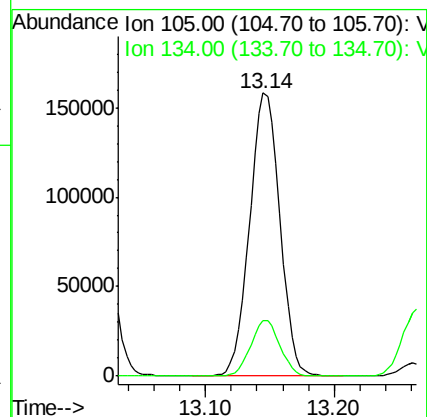
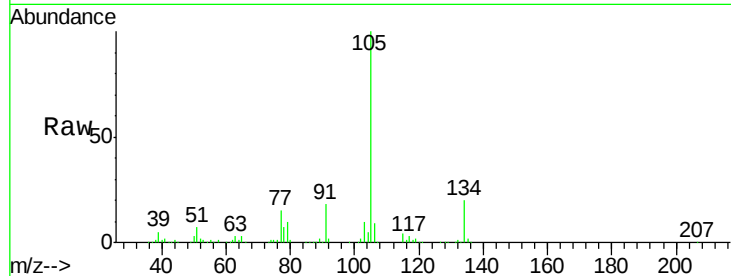
134 19.2 9.4 28.2

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 18.564 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064625.D

Acq: 13 Nov 2020 12:29

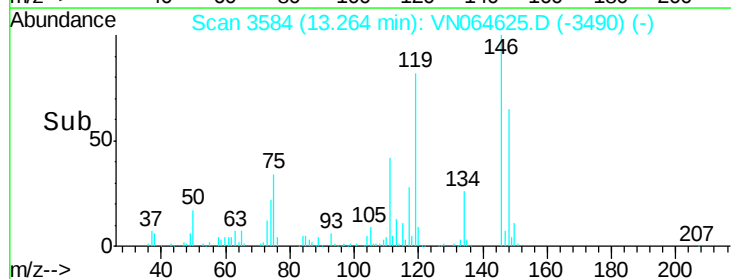
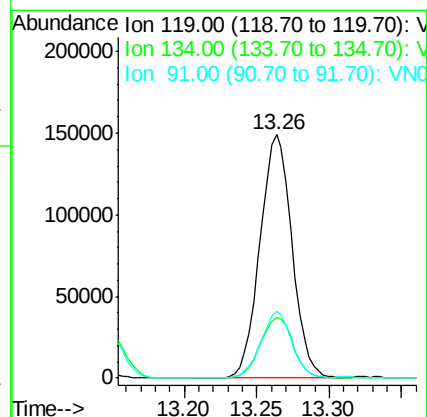
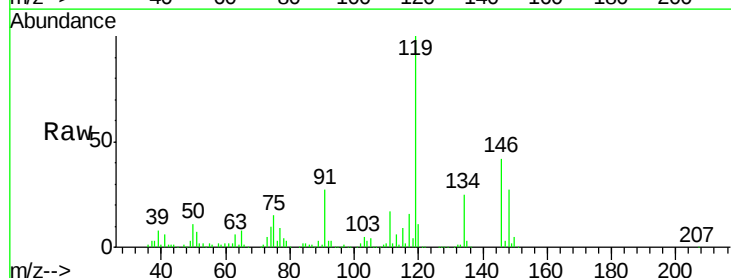
Tgt Ion:119 Resp: 230074

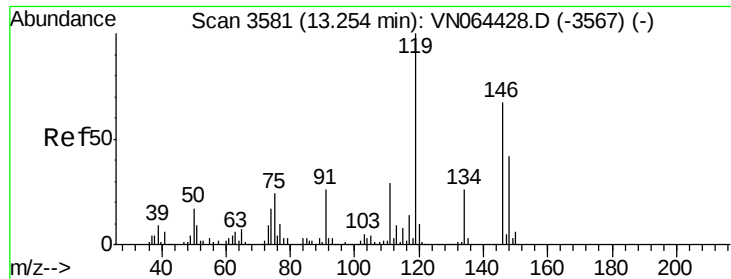
Ion Ratio Lower Upper

119 100

134 25.5 12.6 37.6

91 26.3 12.8 38.3





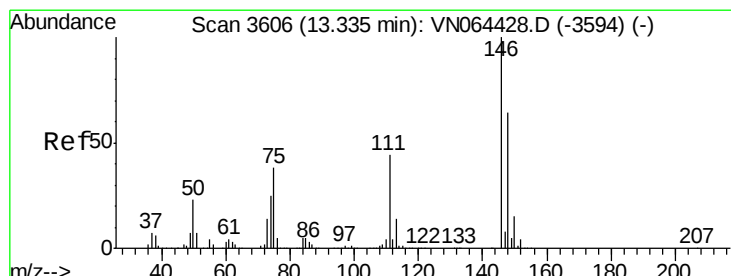
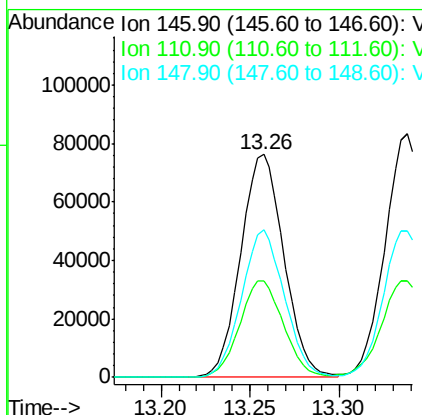
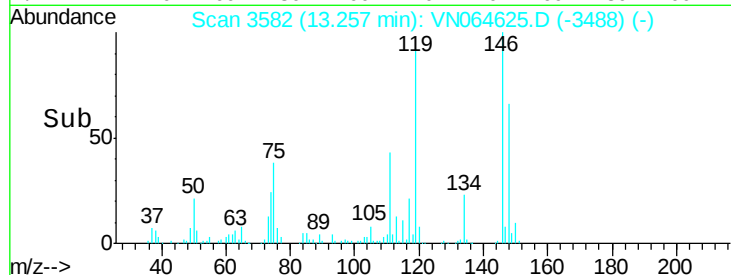
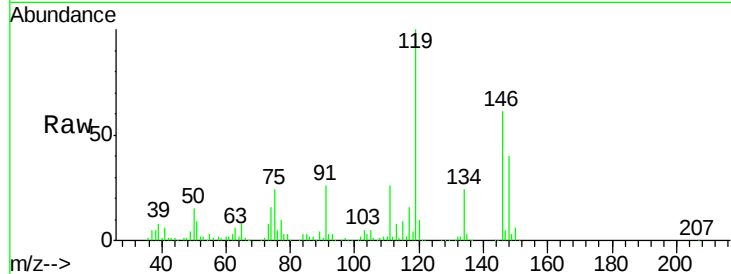
#87
 1,3-Dichlorobenzene
 Concen: 18.124 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064625.D
 Acq: 13 Nov 2020 12:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1113WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.8	22.1	66.1
148	65.6	31.7	95.1

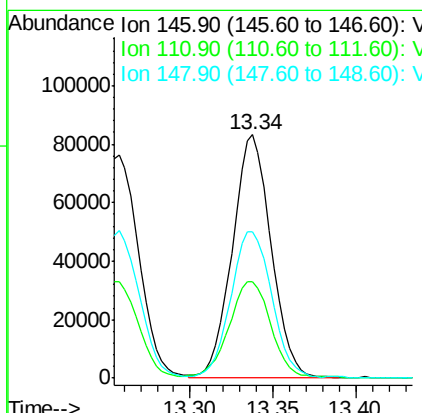
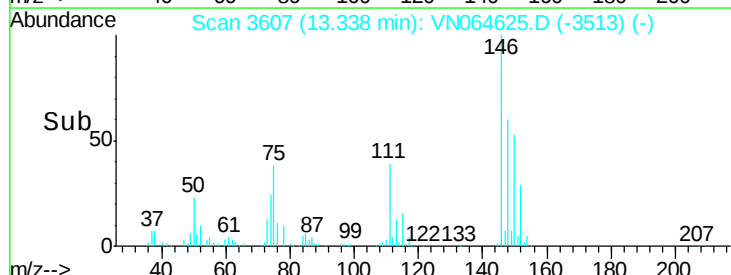
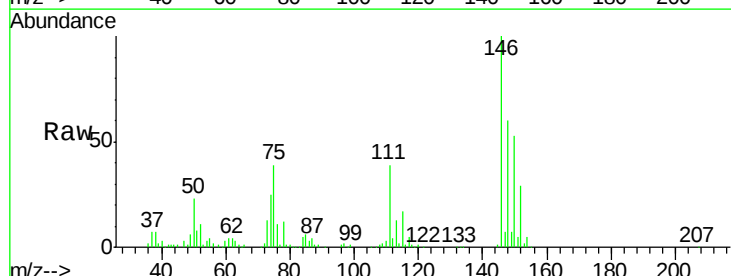
Manual Integrations
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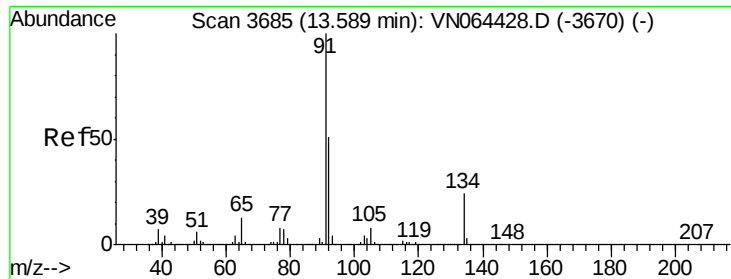
MMDadoda
 11/17/2020 6:41:27 PM



#88
 1,4-Dichlorobenzene
 Concen: 18.322 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064625.D
 Acq: 13 Nov 2020 12:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.8	65.3
148	63.2	32.4	97.2





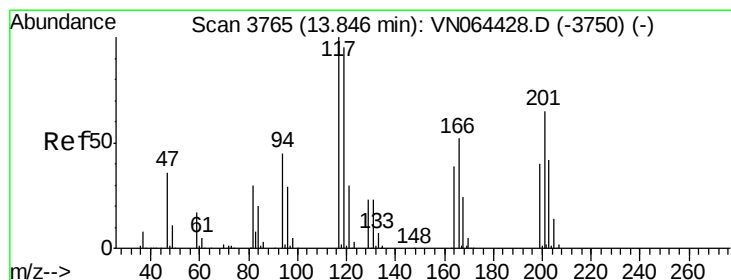
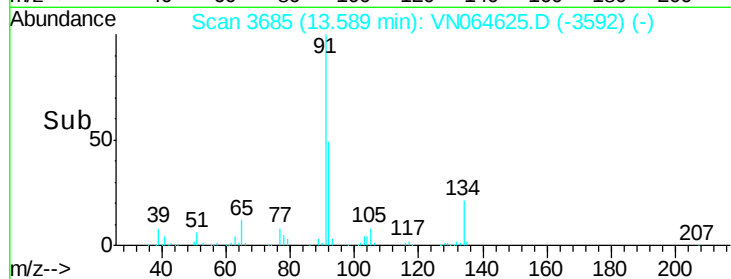
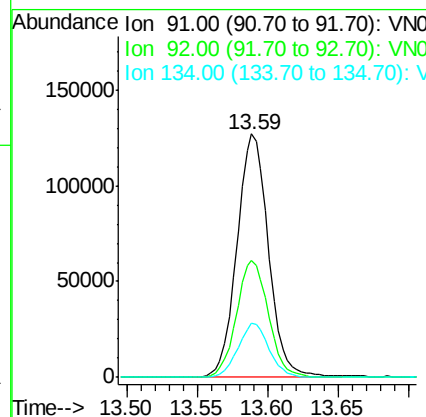
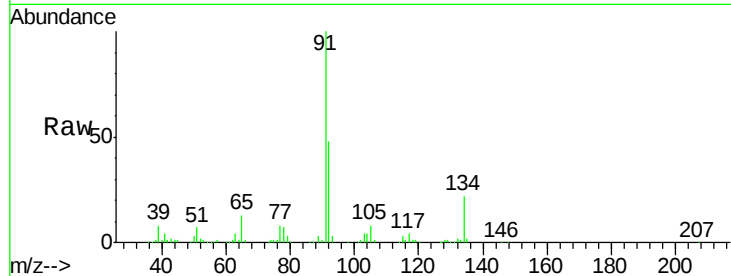
#89
n-Butylbenzene
Concen: 18.653 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN064625.D
Acq: 13 Nov 2020 12:29

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	48.5	25.3	75.9
134	22.0	11.8	35.4

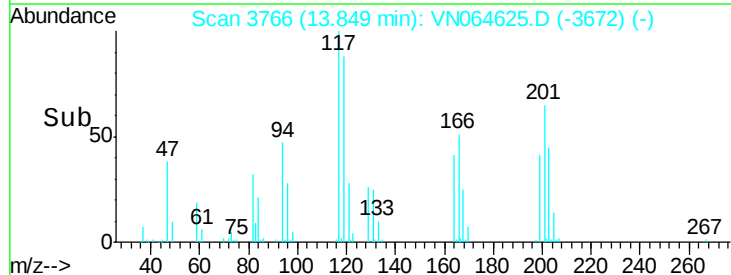
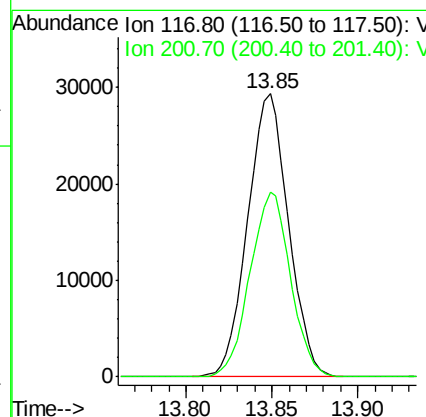
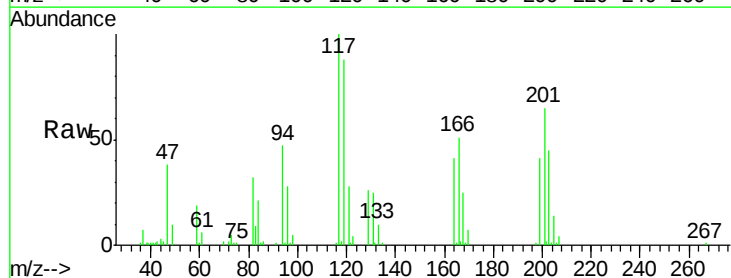
Manual Integrations
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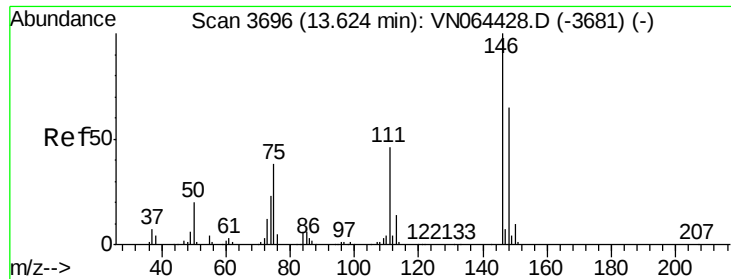
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#90
Hexachloroethane
Concen: 20.186 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN064625.D
Acq: 13 Nov 2020 12:29

Tgt Ion	Ratio	Lower	Upper
117	100		
201	64.6	32.5	97.5





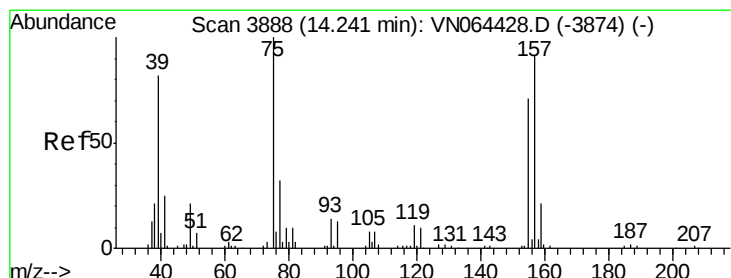
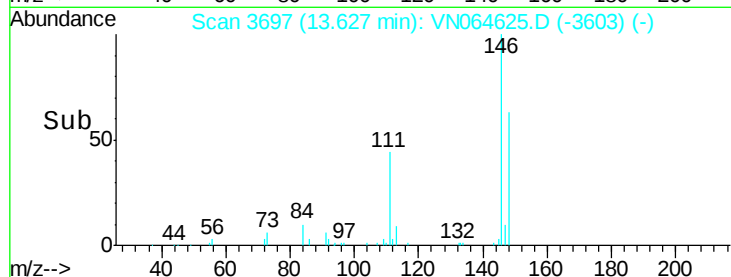
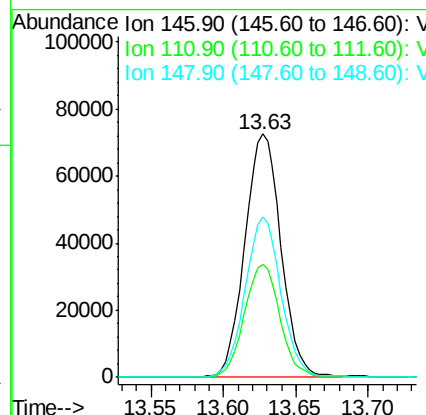
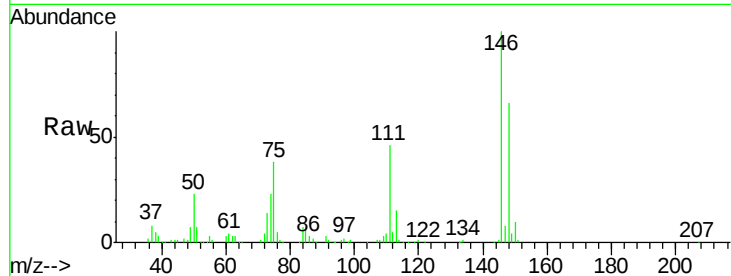
#91
 1,2-Dichlorobenzene
 Concen: 18.382 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064625.D
 Acq: 13 Nov 2020 12:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1113WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.5	22.9	68.7
148	65.4	32.0	96.2

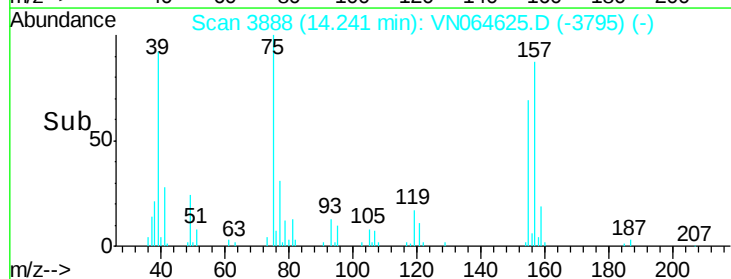
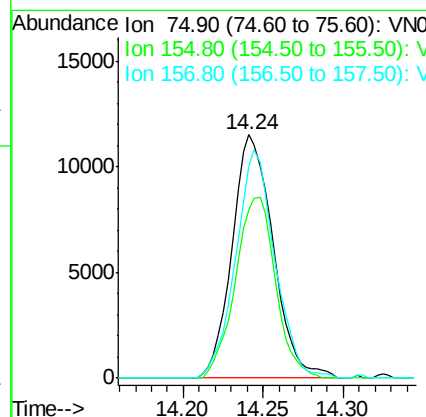
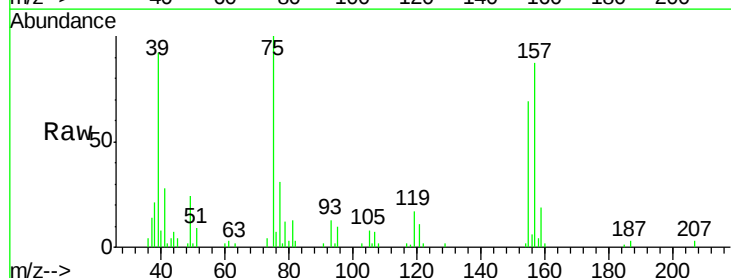
Manual Integrations
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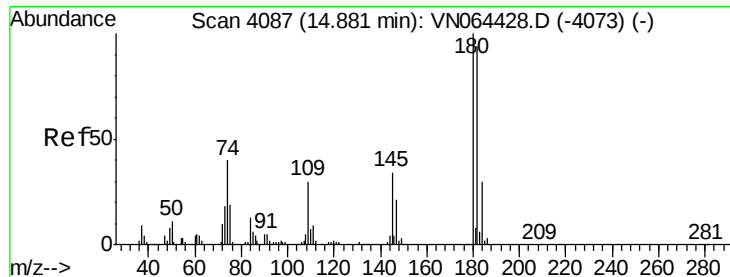
MMDadoda
 11/17/2020 6:41:27 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.497 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN064625.D
 Acq: 13 Nov 2020 12:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.5	34.6	103.9
157	89.4	43.0	128.8





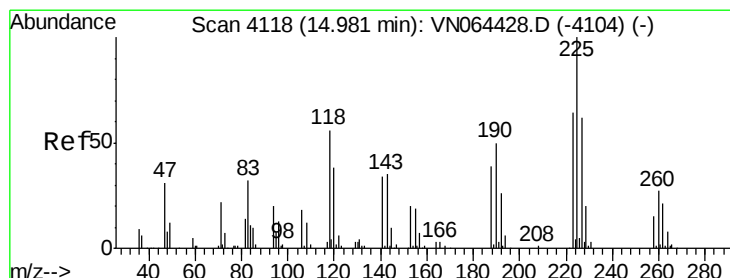
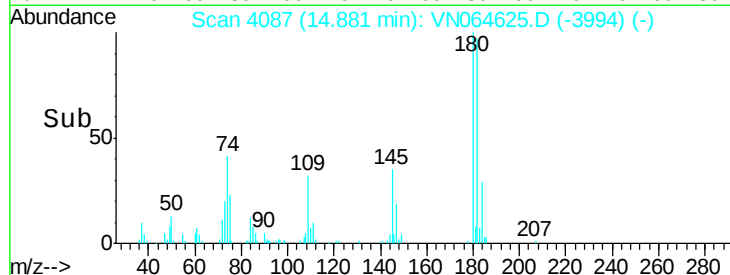
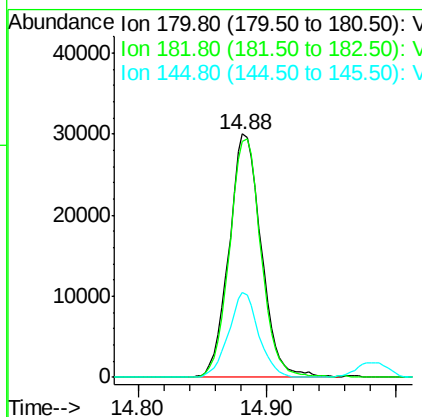
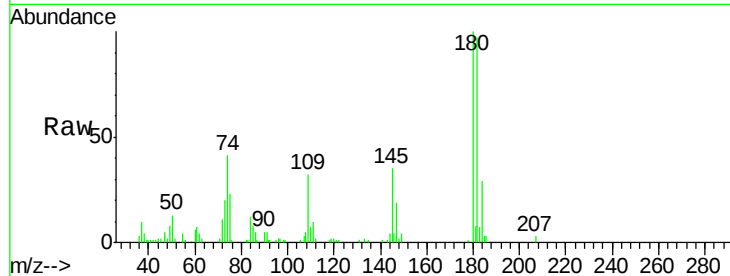
#93
 1,2,4-Trichlorobenzene
 Concen: 17.134 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064625.D
 Acq: 13 Nov 2020 12:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1113WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.3	142.0
145	32.4	16.7	50.1

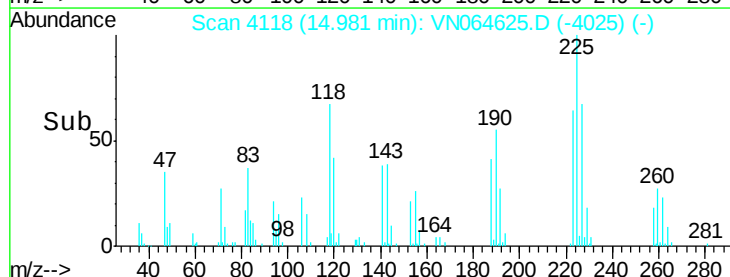
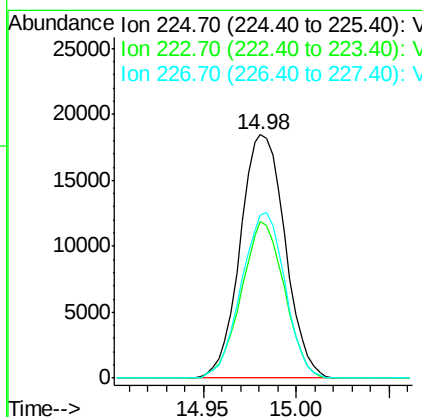
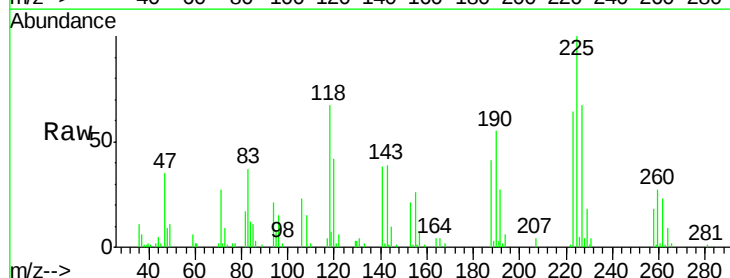
Manual Integrations
 APPROVED

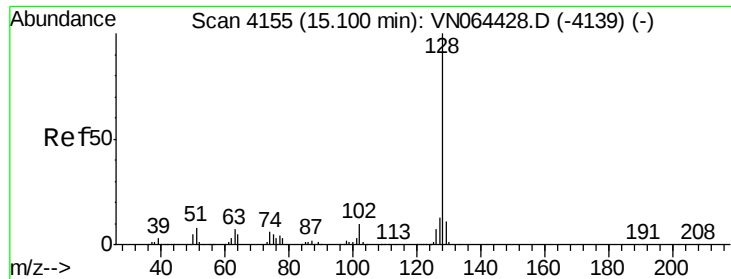
MMDadoda
 11/17/2020 6:41:27 PM



#94
 Hexachlorobutadiene
 Concen: 22.296 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064625.D
 Acq: 13 Nov 2020 12:29

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	31.8	95.4
227	66.3	31.8	95.4





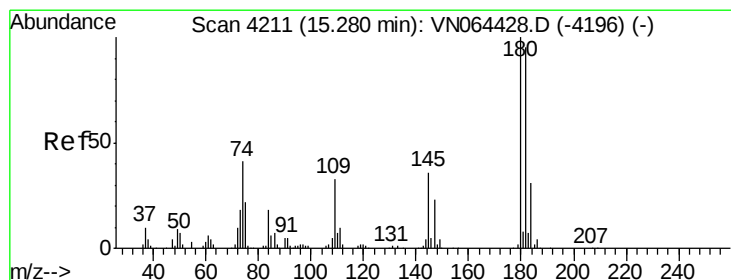
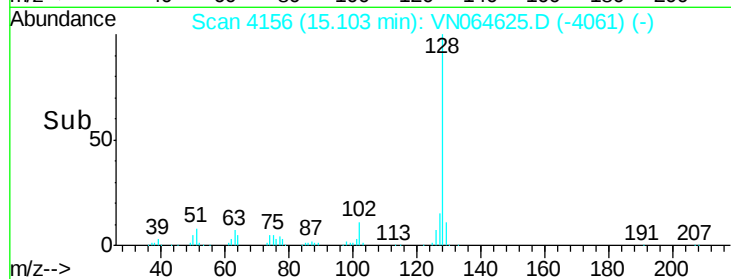
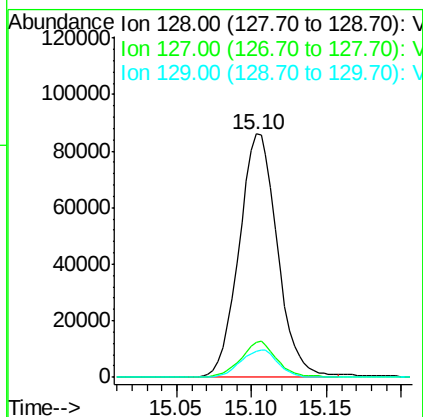
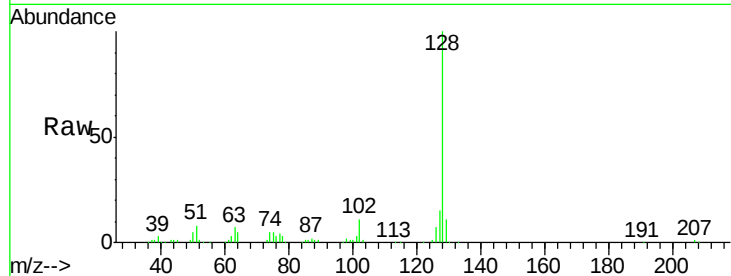
#95
Naphthalene
Concen: 15.825 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN064625.D
Acq: 13 Nov 2020 12:29

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.5	15.7
129	11.0	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
11/17/2020 6:41:27 PM



#96
1,2,3-Trichlorobenzene
Concen: 18.261 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN064625.D
Acq: 13 Nov 2020 12:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.8	47.7	143.1
145	35.2	18.3	54.8

