

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111620\
 Data File : VN064653.D
 Acq On : 16 Nov 2020 11:14
 Operator : JC/MD
 Sample : VN1116WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBS01

Manual Integrations
 APPROVED

MMDadoda
 11/19/2020 5:42:39 PM

Quant Time: Nov 17 04:09:08 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	7.62	168	292181	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	499961	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	470027	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	215457	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	259436	50.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.96%	
35) Dibromofluoromethane	7.55	113	171332	50.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.66%	
50) Toluene-d8	10.06	98	641925	48.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.58%	
62) 4-Bromofluorobenzene	12.38	95	228727	45.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	65018	17.095	ug/l	97
3) Chloromethane	2.04	50	71502	15.477	ug/l	97
4) Vinyl Chloride	2.17	62	81230	17.122	ug/l	98
5) Bromomethane	2.54	94	56749	18.724	ug/l	97
6) Chloroethane	2.68	64	55308	18.209	ug/l	99
7) Trichlorofluoromethane	2.99	101	136175	19.493	ug/l	99
8) Diethyl Ether	3.37	74	46360	18.793	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.71	101	61488	18.535	ug/l	97
10) Methyl Iodide	3.91	142	70571	18.308	ug/l	98
11) Tert butyl alcohol	4.75	59	49440	88.089	ug/l	99
12) 1,1-Dichloroethene	3.69	96	53399	17.089	ug/l	94
13) Acrolein	3.57	56	17898	51.411	ug/l	98
14) Allyl chloride	4.28	41	99970	16.354	ug/l	95
15) Acrylonitrile	4.93	53	146228	93.581	ug/l	99
16) Acetone	3.78	43	171422	88.425	ug/l	98
17) Carbon Disulfide	4.01	76	153060	16.379	ug/l	100
18) Methyl Acetate	4.28	43	77560	20.350	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	193626	17.217	ug/l	100
20) Methylene Chloride	4.51	84	70078	18.219	ug/l	96
21) trans-1,2-Dichloroethene	4.99	96	62864	17.718	ug/l	90
22) Diisopropyl ether	5.91	45	219588	16.923	ug/l	98
23) Vinyl Acetate	5.85	43	890600	84.371	ug/l	98
24) 1,1-Dichloroethane	5.80	63	125258	17.567	ug/l	99
25) 2-Butanone	6.79	43	216804	87.772	ug/l	99
26) 2,2-Dichloropropane	6.77	77	114952	17.809	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	69578	16.924	ug/l	99
28) Bromochloromethane	7.15	49	61287	17.487	ug/l	100
29) Tetrahydrofuran	7.17	42	134048	88.454	ug/l	99
30) Chloroform	7.33	83	139018	18.548	ug/l	97
31) Cyclohexane	7.61	56	94428	15.263	ug/l	# 92
32) 1,1,1-Trichloroethane	7.53	97	122617	18.445	ug/l	97
36) 1,1-Dichloropropene	7.75	75	95357	18.054	ug/l	99
37) Ethyl Acetate	6.88	43	93623	17.961	ug/l	99
38) Carbon Tetrachloride	7.73	117	108314	19.188	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	79139	16.715	ug/l	92
40) Benzene	8.00	78	272413	17.552	ug/l	100
41) Methacrylonitrile	7.12	41	34684	14.812	ug/l	88
42) 1,2-Dichloroethane	8.08	62	117989	18.838	ug/l	100
43) Isopropyl Acetate	8.13	43	149600	17.478	ug/l	98
44) Trichloroethene	8.80	130	69655	17.788	ug/l	99
45) 1,2-Dichloropropane	9.08	63	75482	18.227	ug/l	97
46) Dibromomethane	9.17	93	53613	19.666	ug/l	97
47) Bromodichloromethane	9.37	83	113405	19.347	ug/l	99
48) Methyl methacrylate	9.17	41	73490	17.015	ug/l	98
49) 1,4-Dioxane	9.16	88	21437	376.820	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	464639	93.083	ug/l	100
52) Toluene	10.12	92	172933	18.269	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	112737	18.141	ug/l	97
54) cis-1,3-Dichloropropene	9.81	75	119498	17.985	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	71101	19.259	ug/l	99
56) Ethyl methacrylate	10.40	69	89567	16.044	ug/l	97
57) 1,3-Dichloropropane	10.68	76	121294	18.823	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	237764	97.243	ug/l	96
59) 2-Hexanone	10.72	43	328681	83.476	ug/l	98
60) Dibromochloromethane	10.87	129	79645	19.269	ug/l	100
61) 1,2-Dibromoethane	10.97	107	71680	19.142	ug/l	99
64) Tetrachloroethene	10.60	164	67460	18.632	ug/l	97
65) Chlorobenzene	11.41	112	183708	17.829	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	74654	19.421	ug/l	99
67) Ethyl Benzene	11.48	91	321851	17.560	ug/l	100
68) m/p-Xylenes	11.59	106	234159	35.228	ug/l	99
69) o-Xylene	11.92	106	106162	16.528	ug/l	94
70) Styrene	11.94	104	187912	17.386	ug/l	99
71) Bromoform	12.10	173	52334	18.944	ug/l #	100
73) Isopropylbenzene	12.22	105	290183	16.945	ug/l	100
74) N-amyl acetate	12.04	43	122575	15.614	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	98524	18.731	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	91688m	17.564	ug/l	
77) Bromobenzene	12.50	156	76634	18.329	ug/l	95
78) n-propylbenzene	12.57	91	340387	17.434	ug/l	98
79) 2-Chlorotoluene	12.65	91	214849	17.350	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	247393	17.511	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	30227	16.167	ug/l	90
82) 4-Chlorotoluene	12.75	91	226213	17.444	ug/l	100
83) tert-Butylbenzene	12.97	119	190386	17.254	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	250215	17.618	ug/l	99
85) sec-Butylbenzene	13.14	105	254917	18.242	ug/l	100
86) p-Isopropyltoluene	13.26	119	226320	18.005	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	129790	17.958	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	128154	17.158	ug/l	98
89) n-Butylbenzene	13.59	91	190758	17.651	ug/l	99
90) Hexachloroethane	13.85	117	47372	19.537	ug/l	96
91) 1,2-Dichlorobenzene	13.63	146	127655	18.362	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	21553	20.580	ug/l	92

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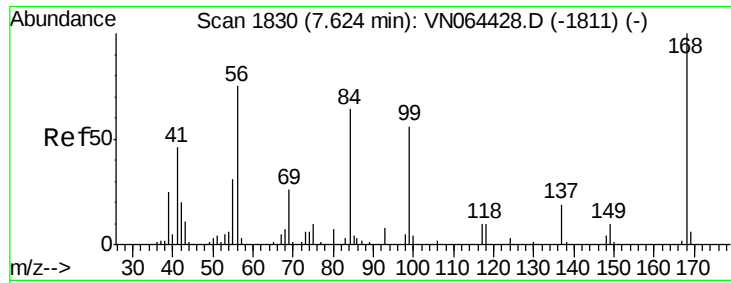
Manual Integrations
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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	51267	16.702	ug/l	98
94) Hexachlorobutadiene	14.98	225	30151	21.301	ug/l	99
95) Naphthalene	15.11	128	152376	15.583	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	53318	17.831	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064653.D

Acq: 16 Nov 2020 11:14

Instrument :

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ClientSampleId :

VN1116WBS01

Tot Ion:168 Resp: 292181

Ion Ratio Lower Upper

168 100

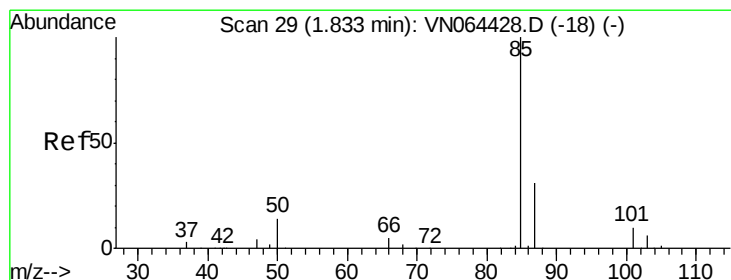
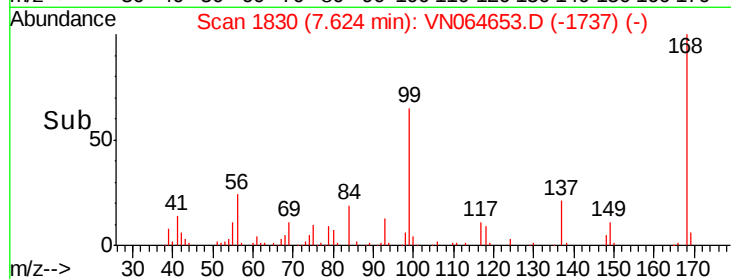
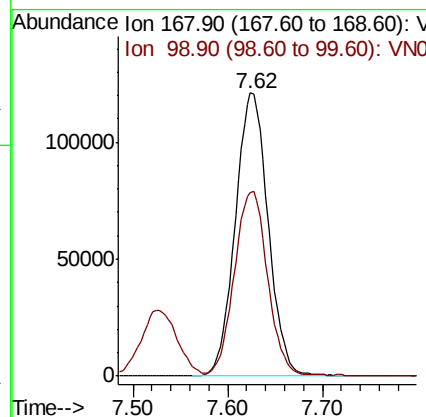
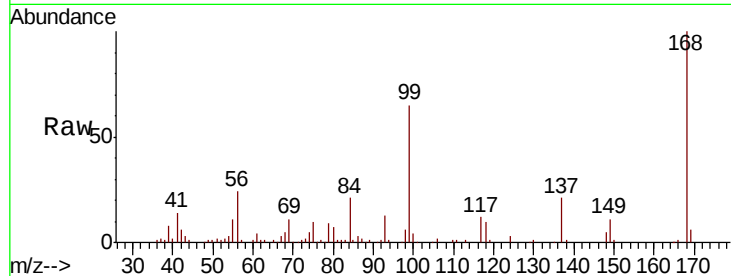
99 64.5 53.4 80.2

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 17.095 ug/l

RT: 1.84 min Scan# 30

Delta R.T. 0.00 min

Lab File: VN064653.D

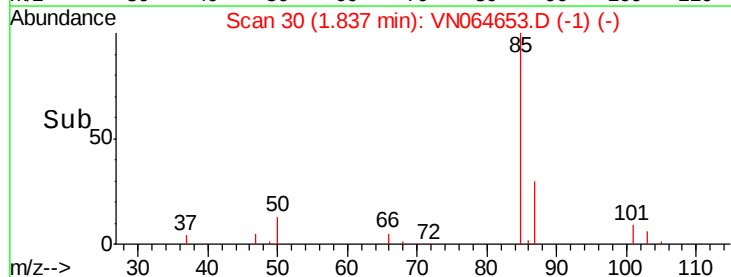
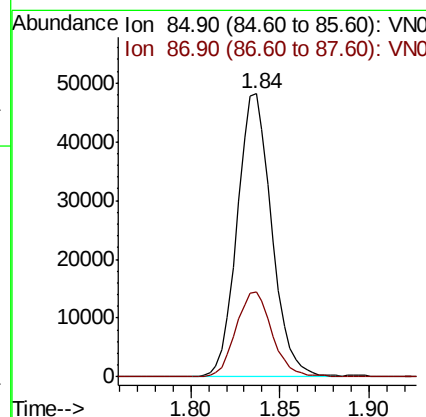
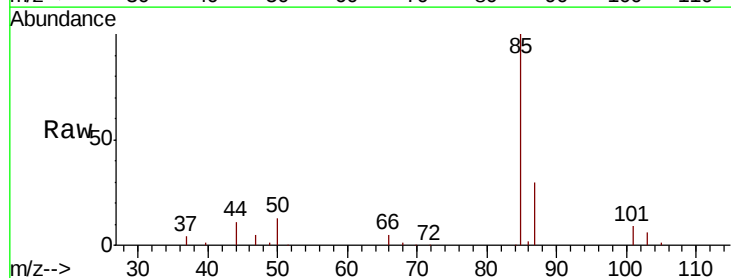
Acq: 16 Nov 2020 11:14

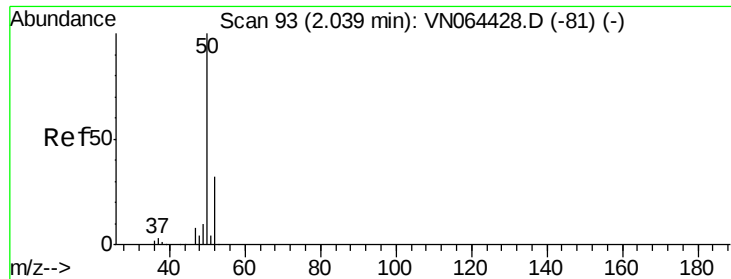
Tgt Ion: 85 Resp: 65018

Ion Ratio Lower Upper

85 100

87 29.9 15.7 47.1





#3

Chloromethane

Concen: 15.477 ug/l

RT: 2.04 min Scan# 93

Delta R.T. -0.00 min

Lab File: VN064653.D

Acq: 16 Nov 2020 11:14

Instrument :

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ClientSampleId :

VN1116WBS01

Tot Ion: 50 Resp: 71502

Ion Ratio Lower Upper

50 100

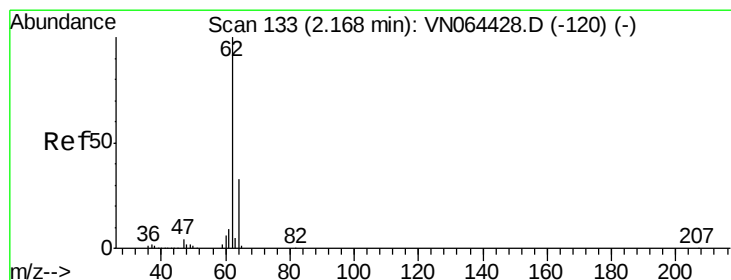
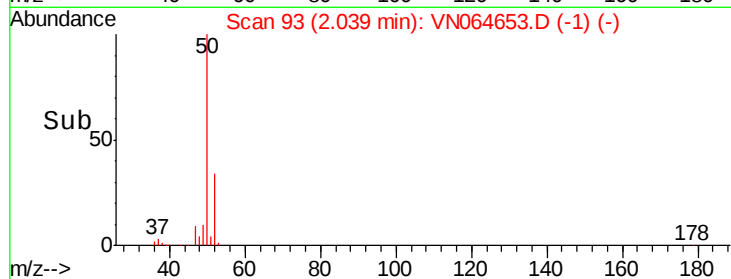
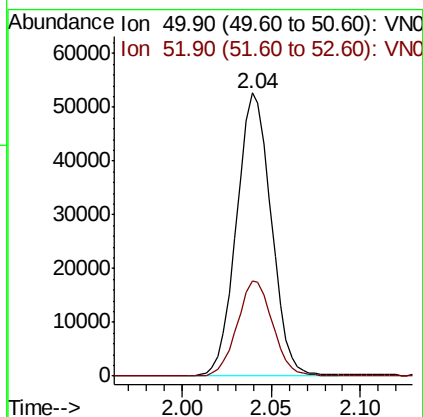
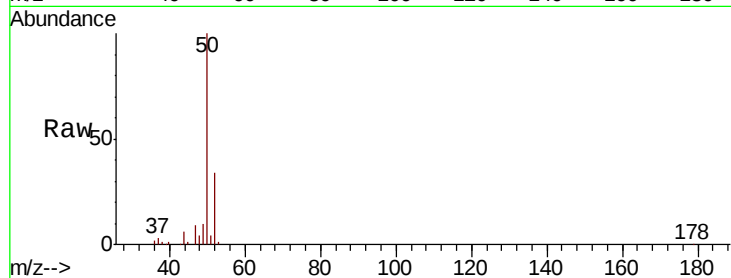
52 33.5 25.3 37.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.122 ug/l

RT: 2.17 min Scan# 133

Delta R.T. -0.00 min

Lab File: VN064653.D

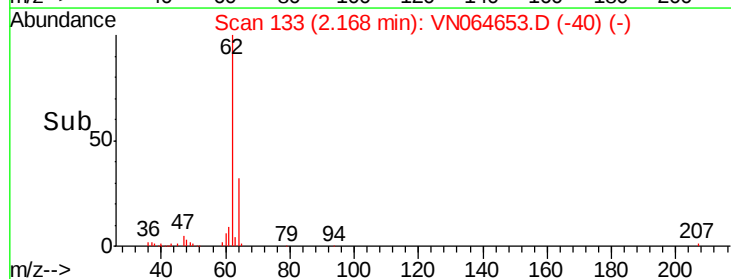
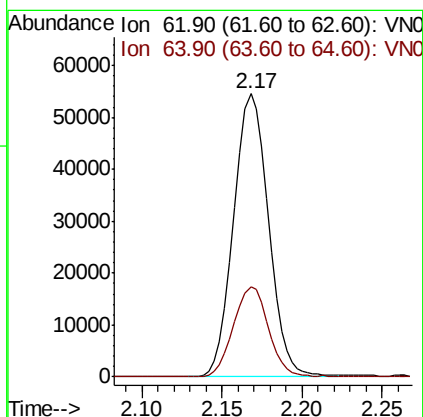
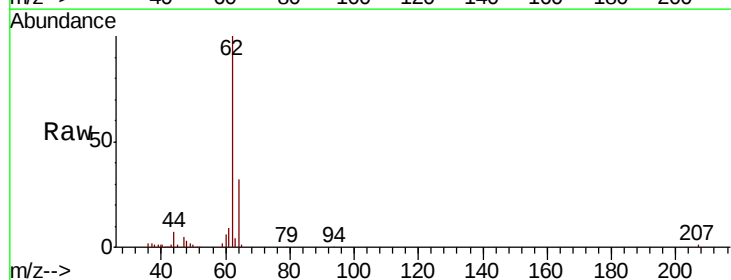
Acq: 16 Nov 2020 11:14

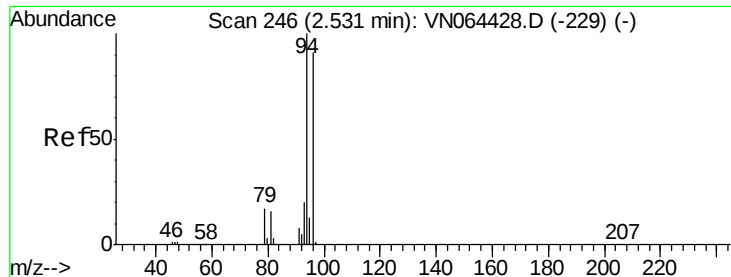
Tgt Ion: 62 Resp: 81230

Ion Ratio Lower Upper

62 100

64 31.7 26.3 39.5





#5

Bromomethane

Concen: 18.724 ug/l

RT: 2.54 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN064653.D

Acq: 16 Nov 2020 11:14

Instrument :

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VN1116WBS01

Tot Ion: 94 Resp: 56749

Ion Ratio Lower Upper

94 100

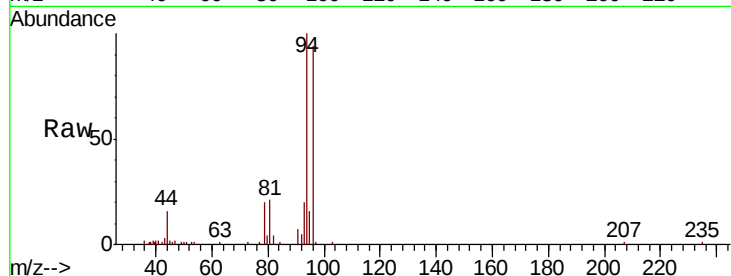
96 94.3 73.1 109.7

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.54

30000

25000

20000

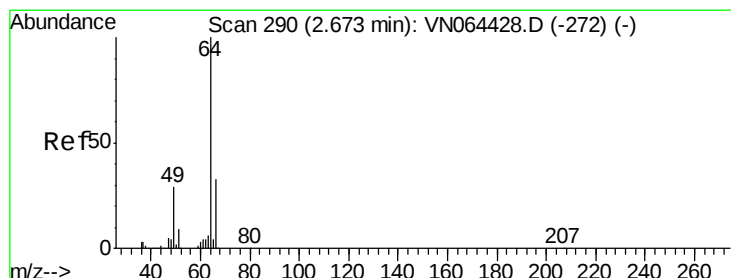
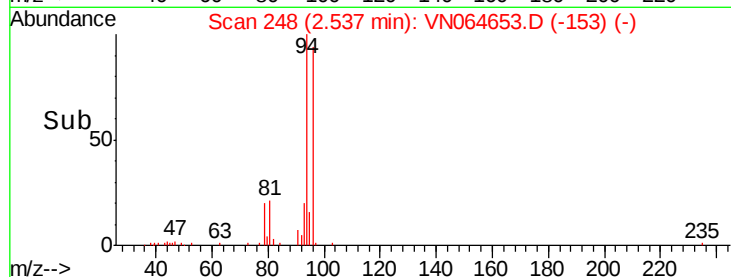
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 18.209 ug/l

RT: 2.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VN064653.D

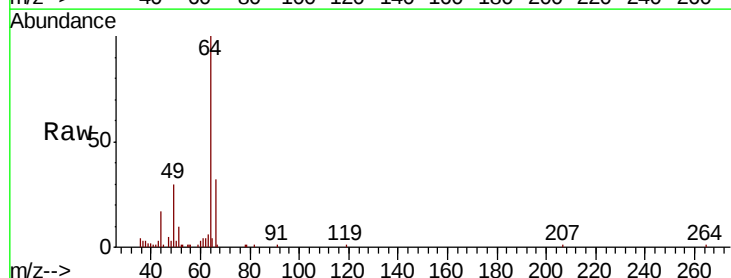
Acq: 16 Nov 2020 11:14

Tgt Ion: 64 Resp: 55308

Ion Ratio Lower Upper

64 100

66 32.0 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.68

30000

25000

20000

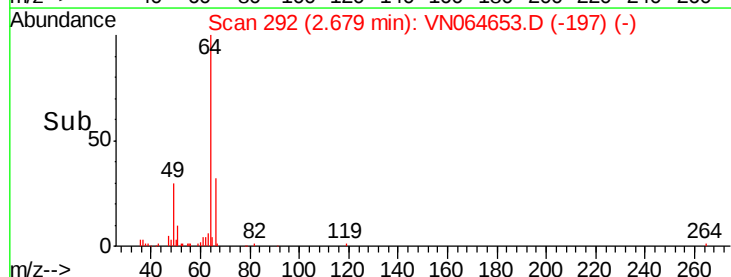
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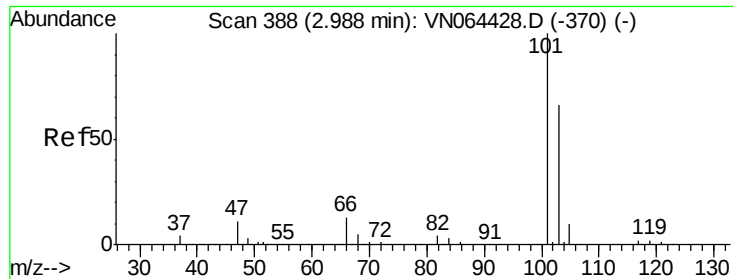
10000

5000

0

Time-->





#7

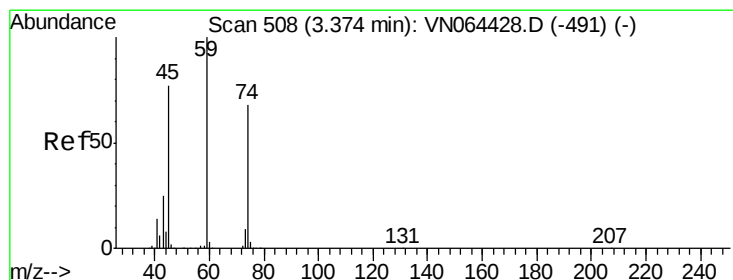
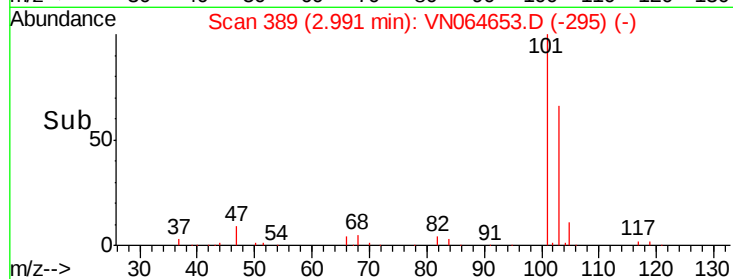
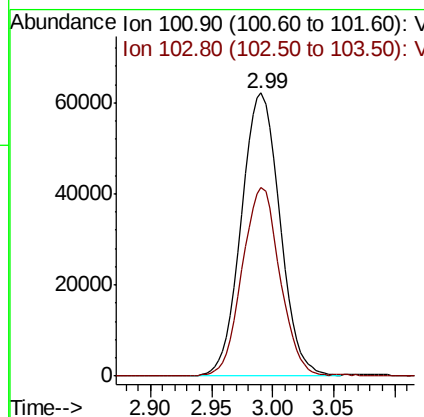
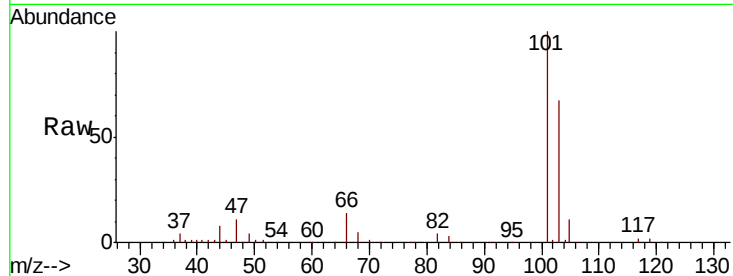
Trichlorofluoromethane
Concen: 19.493 ug/l
RT: 2.99 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN064653.D
Acq: 16 Nov 2020 11:14

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VN1116WBS01

Tot Ion:101 Resp: 136175
Ion Ratio Lower Upper
101 100
103 66.6 52.4 78.6

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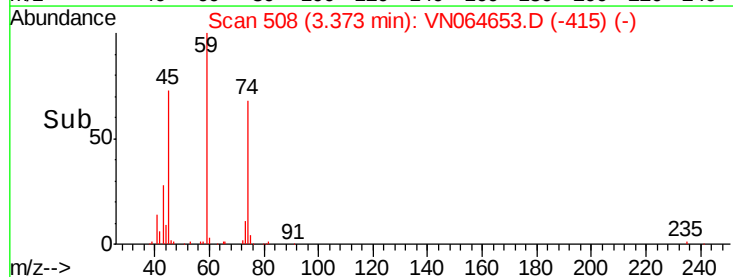
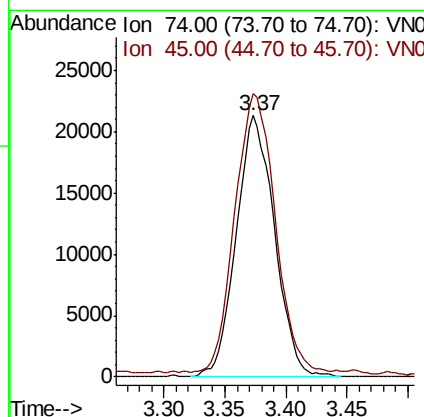
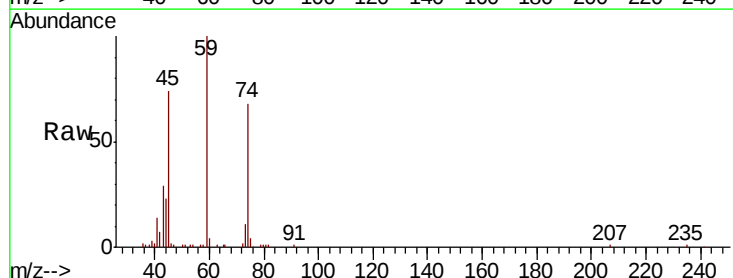
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11/19/2020 5:42:39 PM

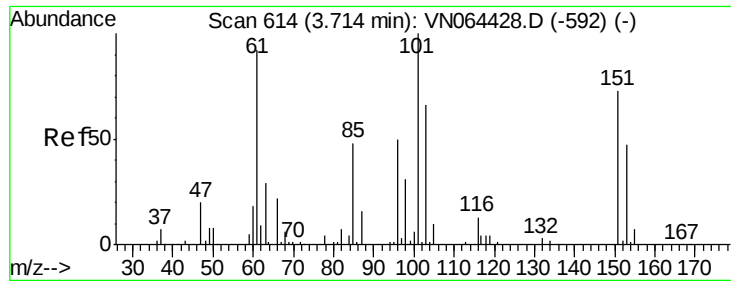


#8

Diethyl Ether
Concen: 18.793 ug/l
RT: 3.37 min Scan# 508
Delta R.T. -0.00 min
Lab File: VN064653.D
Acq: 16 Nov 2020 11:14

Tgt Ion: 74 Resp: 46360
Ion Ratio Lower Upper
74 100
45 111.6 55.9 167.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.535 ug/l

RT: 3.71 min Scan# 614

Delta R.T. -0.00 min

Lab File: VN064653.D

Acq: 16 Nov 2020 11:14

Instrument :

MSVOA_N

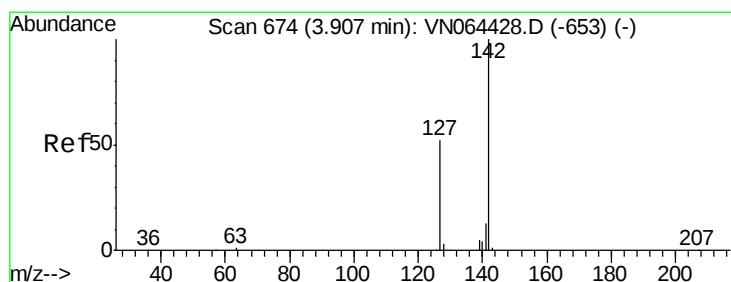
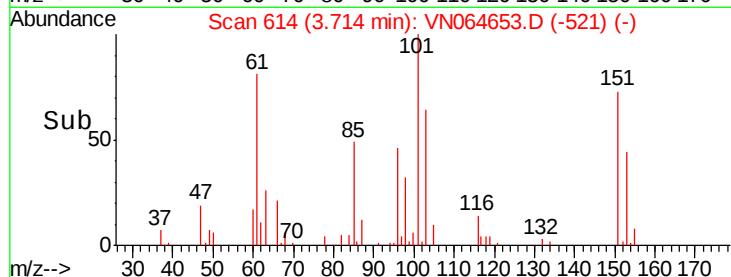
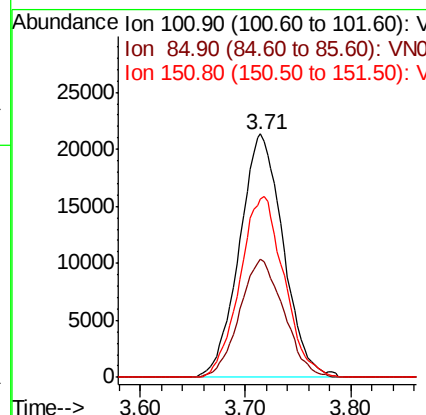
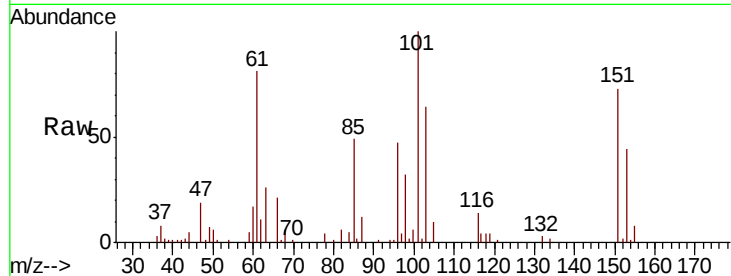
ClientSampleId :

VN1116WBS01

Tot Ion:	101	Resp:	61488
Ion Ratio	Lower	Upper	
101	100		
85	48.8	38.6	57.8
151	75.2	57.5	86.3

Manual Integrations
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#10

Methyl Iodide

Concen: 18.308 ug/l

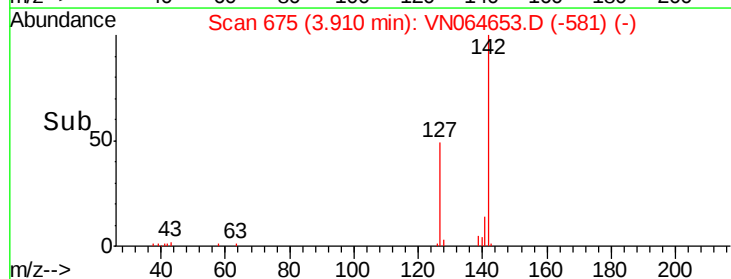
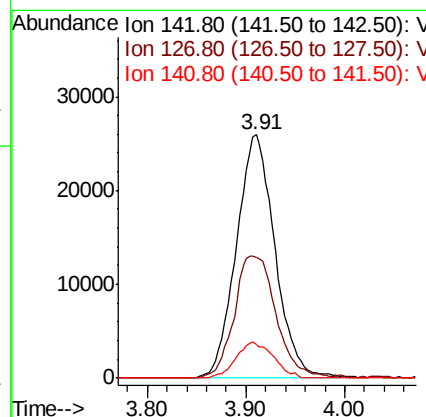
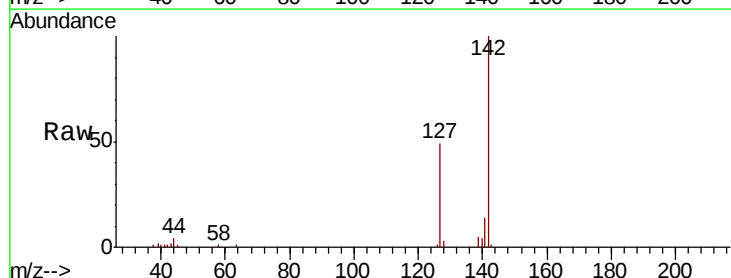
RT: 3.91 min Scan# 675

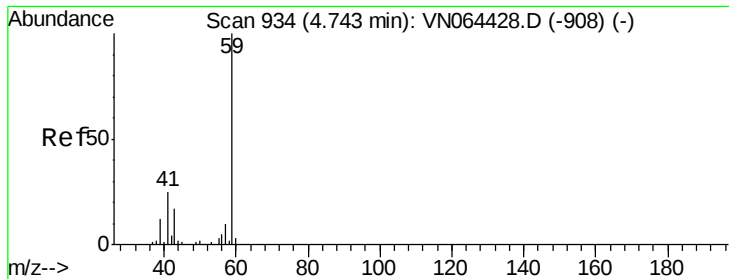
Delta R.T. 0.00 min

Lab File: VN064653.D

Acq: 16 Nov 2020 11:14

Tgt Ion:	142	Resp:	70571
Ion Ratio	Lower	Upper	
142	100		
127	54.0	41.8	62.8
141	14.2	11.4	17.2





#11

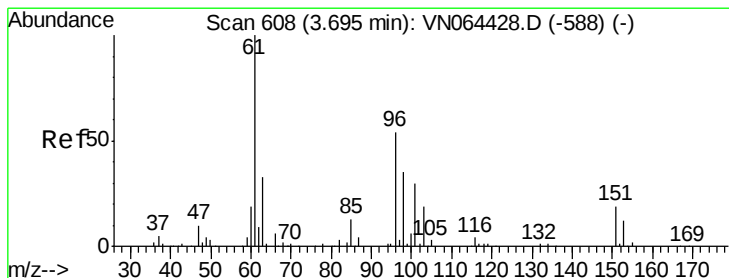
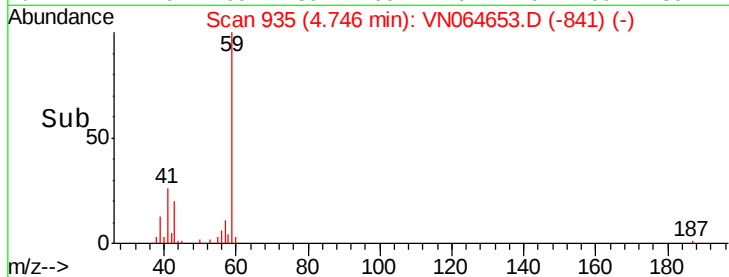
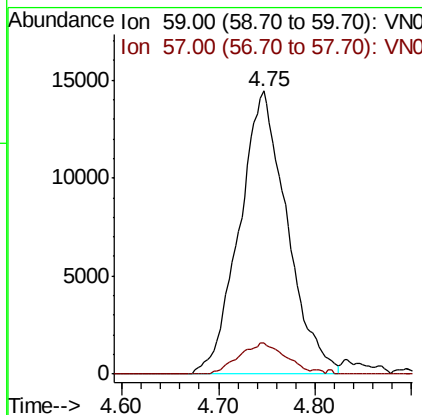
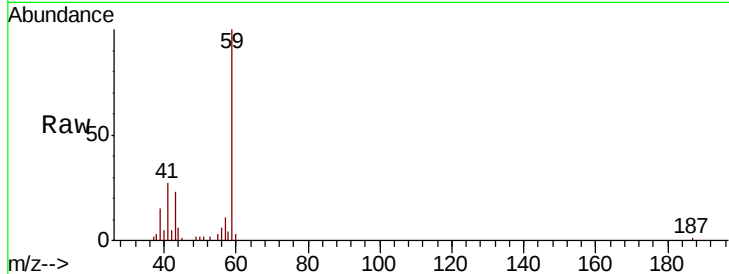
Tert butyl alcohol
Concen: 88.089 ug/l
RT: 4.75 min Scan# 935
Delta R.T. 0.00 min
Lab File: VN064653.D
Acq: 16 Nov 2020 11:14

Instrument :
MSVOA_N
ClientSampleId :
VN1116WBS01

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
57	57	10.7	9.0	13.4

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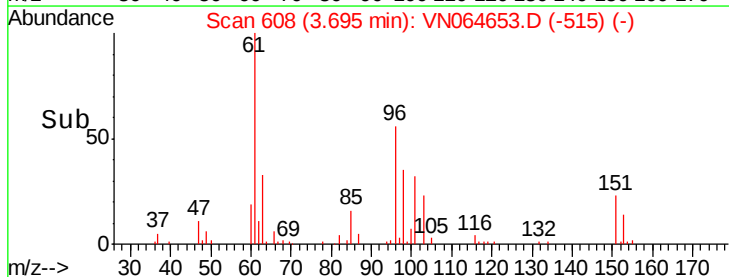
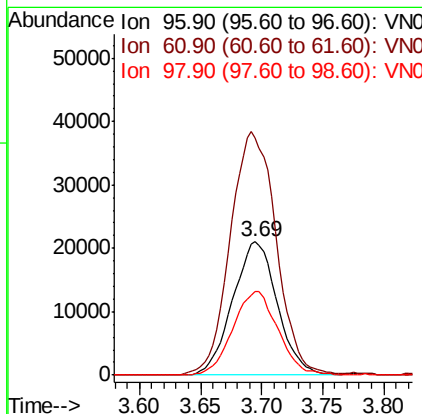
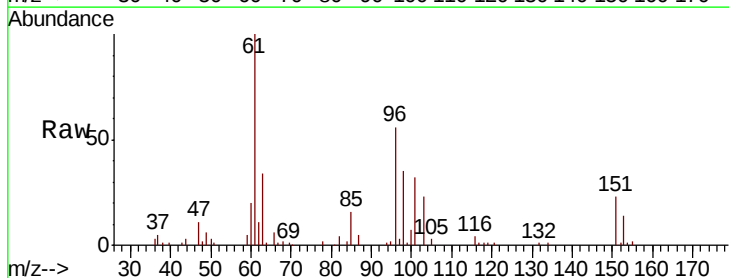
MMDadoda
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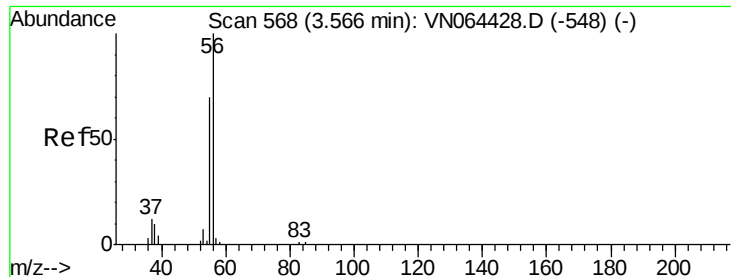


#12

1,1-Dichloroethene
Concen: 17.089 ug/l
RT: 3.69 min Scan# 608
Delta R.T. -0.00 min
Lab File: VN064653.D
Acq: 16 Nov 2020 11:14

Tgt Ion	Ion	Ratio	Lower	Upper
96	96	100		
61	61	177.2	149.5	224.3
98	98	62.9	52.4	78.6





#13

Acrolein

Concen: 51.411 ug/l

RT: 3.57 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN064653.D

Acq: 16 Nov 2020 11:14

Instrument :

MSVOA_N

ClientSampleId :

VN1116WBS01

Tot Ion: 56 Resp: 17898

Ion Ratio Lower Upper

56 100

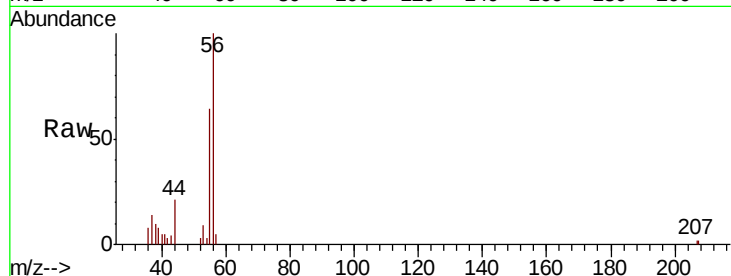
55 68.1 55.9 83.9

Manual Integrations

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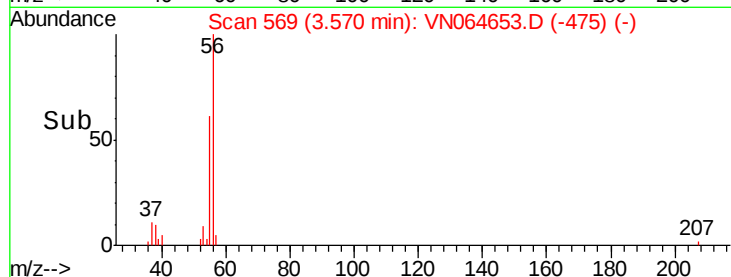


Abundance Ion 56.00 (55.70 to 56.70): VN064428.D (-548) (-)

Ion 55.00 (54.70 to 55.70): VN064428.D (-548) (-)

3.57

Time-->

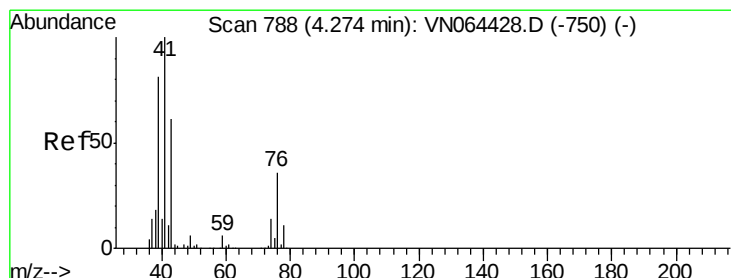


Abundance Ion 56.00 (55.70 to 56.70): VN064653.D (-475) (-)

Ion 55.00 (54.70 to 55.70): VN064653.D (-475) (-)

3.57

Time-->



#14

Allyl chloride

Concen: 16.354 ug/l

RT: 4.28 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN064653.D

Acq: 16 Nov 2020 11:14

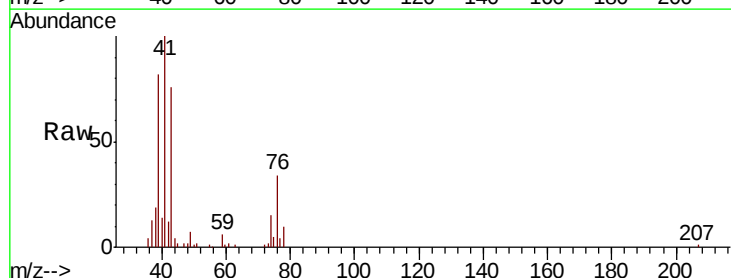
Tgt Ion: 41 Resp: 99970

Ion Ratio Lower Upper

41 100

39 83.6 61.8 92.8

76 32.0 25.4 38.0



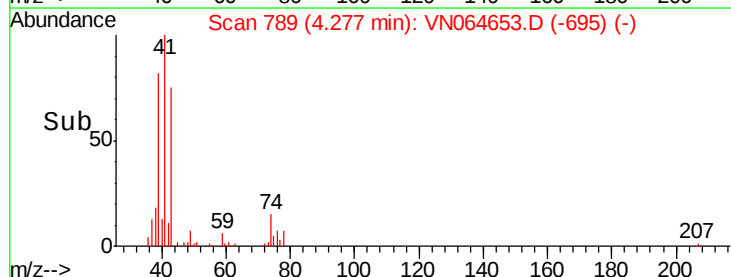
Abundance Ion 41.00 (40.70 to 41.70): VN064428.D (-750) (-)

Ion 39.00 (38.70 to 39.70): VN064428.D (-750) (-)

Ion 75.90 (75.60 to 76.60): VN064428.D (-750) (-)

4.28

Time-->



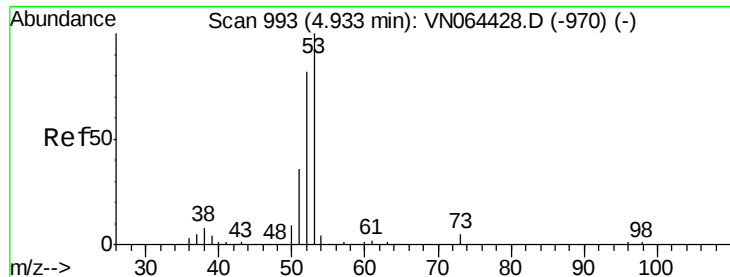
Abundance Ion 41.00 (40.70 to 41.70): VN064653.D (-695) (-)

Ion 39.00 (38.70 to 39.70): VN064653.D (-695) (-)

Ion 75.90 (75.60 to 76.60): VN064653.D (-695) (-)

4.28

Time-->



#15

Acrylonitrile

Concen: 93.581 ug/l

RT: 4.93 min Scan# 993

Delta R.T. -0.00 min

Lab File: VN064653.D

Acq: 16 Nov 2020 11:14

Instrument :

MSVOA_N

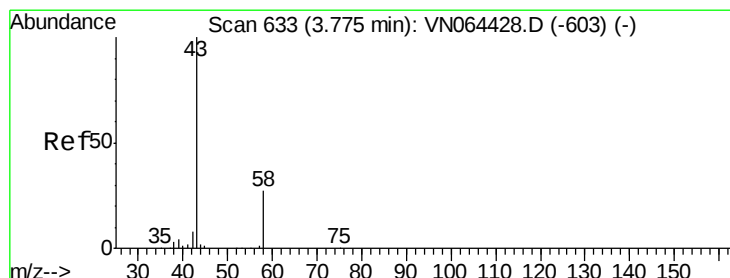
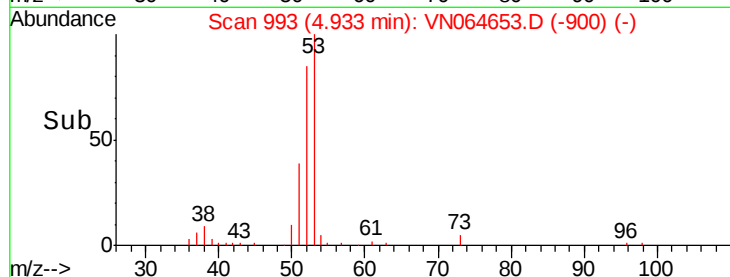
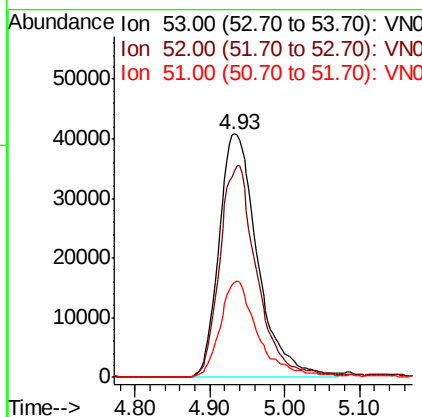
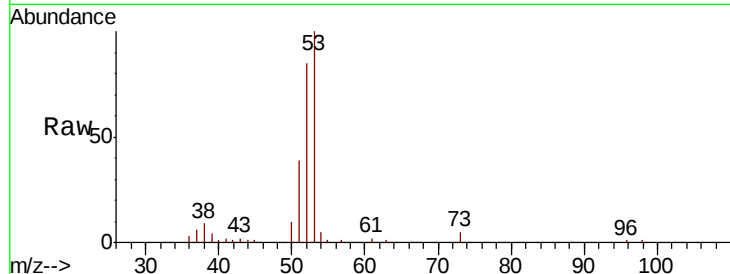
ClientSampleId :

VN1116WBS01

Tot Ion:	53	Resp:	146228
Ion	Ratio	Lower	Upper
53	100		
52	83.3	65.6	98.4
51	38.2	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 88.425 ug/l

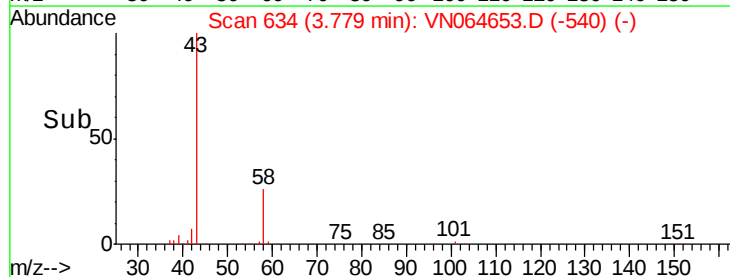
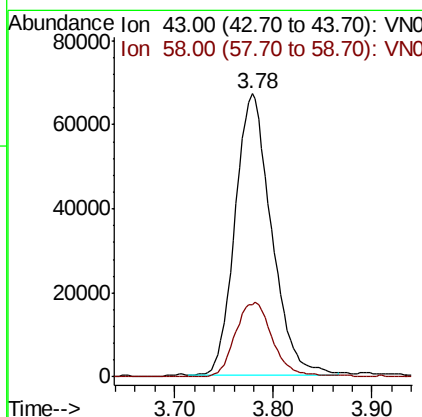
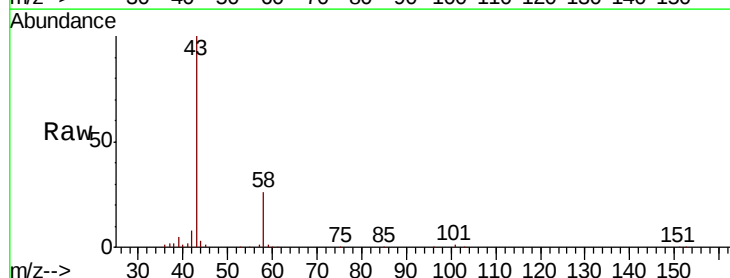
RT: 3.78 min Scan# 634

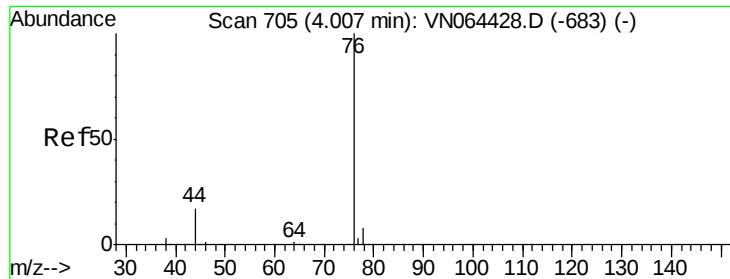
Delta R.T. 0.00 min

Lab File: VN064653.D

Acq: 16 Nov 2020 11:14

Tgt Ion:	43	Resp:	171422
Ion	Ratio	Lower	Upper
43	100		
58	25.8	21.4	32.0





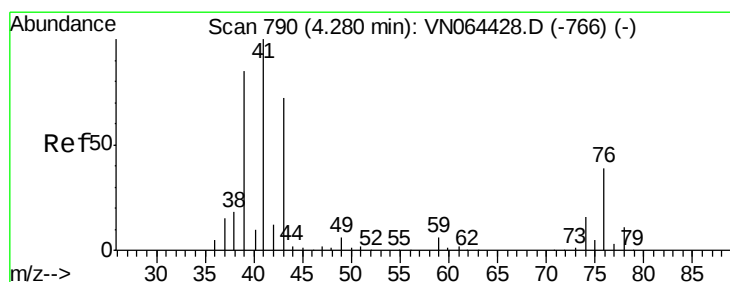
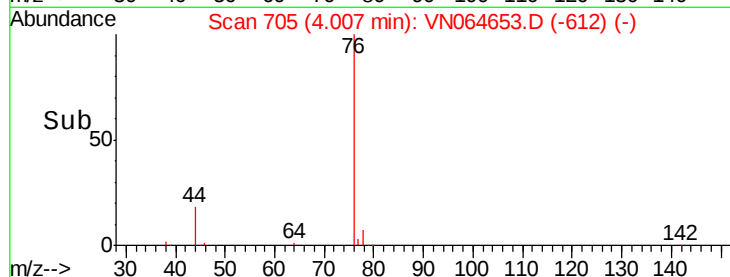
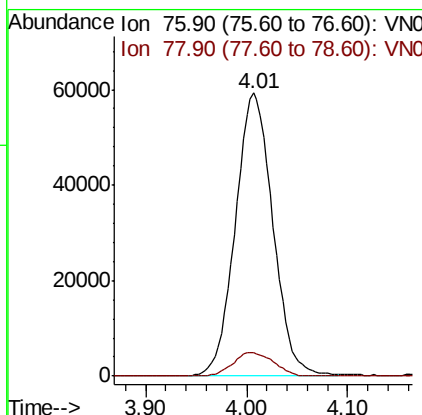
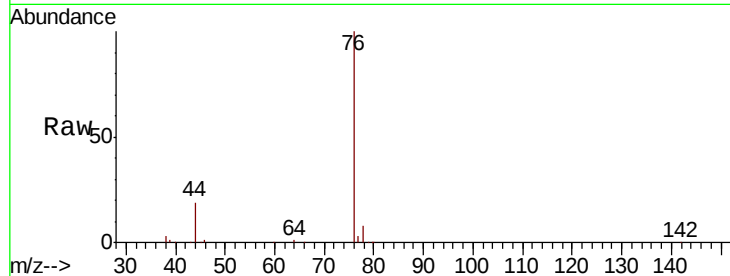
#17
Carbon Disulfide
Concen: 16.379 ug/l
RT: 4.01 min Scan# 705
Delta R.T. -0.00 min
Lab File: VN064653.D
Acq: 16 Nov 2020 11:14

Instrument :
MSVOA_N
ClientSampleId :
VN1116WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.4	6.8	10.2

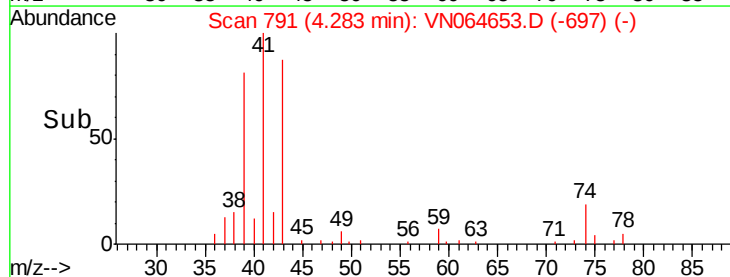
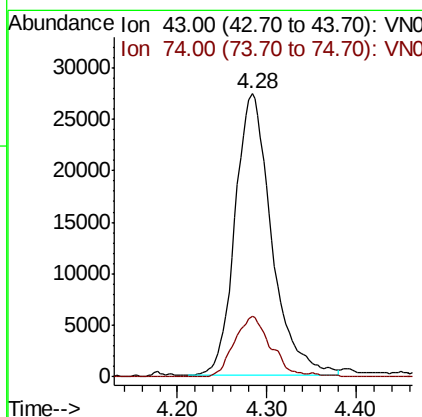
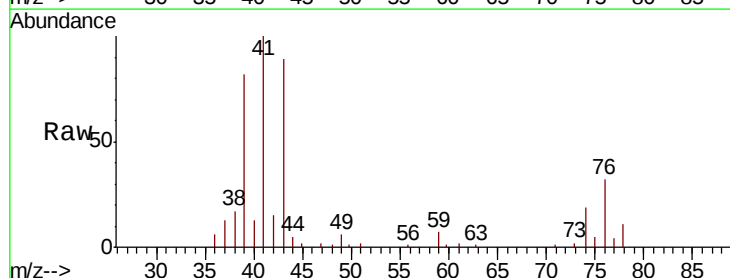
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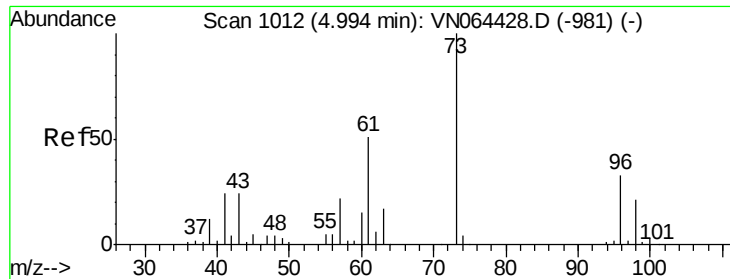
MMDadoda
11/19/2020 5:42:39 PM



#18
Methyl Acetate
Concen: 20.350 ug/l
RT: 4.28 min Scan# 791
Delta R.T. 0.00 min
Lab File: VN064653.D
Acq: 16 Nov 2020 11:14

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.3	17.0	25.4





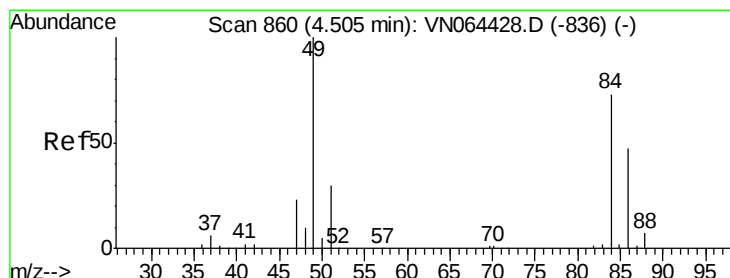
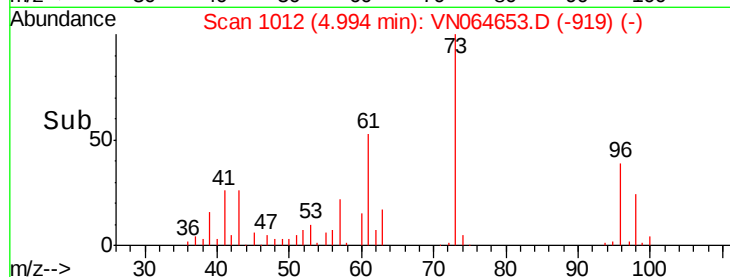
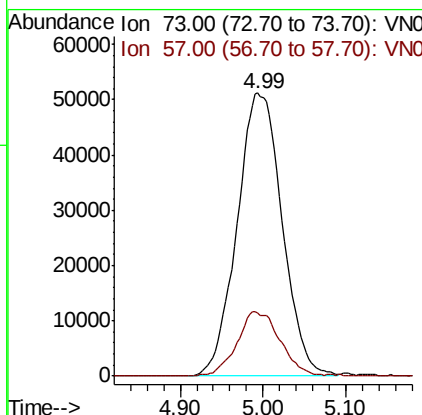
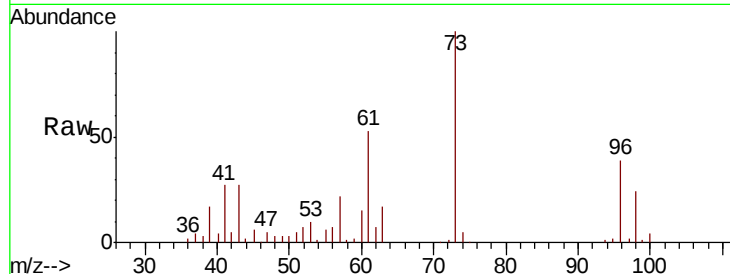
#19
Methyl tert-butyl Ether
Concen: 17.217 ug/l
RT: 4.99 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VN064653.D
Acq: 16 Nov 2020 11:14

Instrument :
MSVOA_N
ClientSampleId :
VN1116WBS01

Tot Ion: 73 Resp: 193626
Ion Ratio Lower Upper
73 100
57 22.2 17.7 26.5

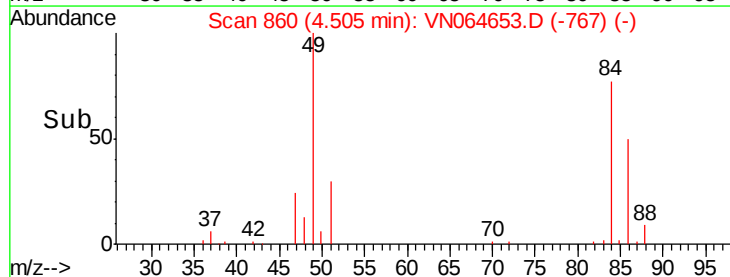
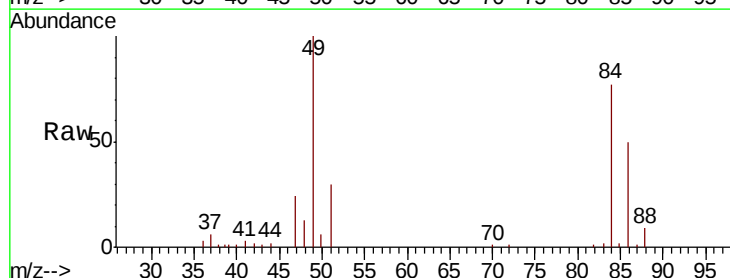
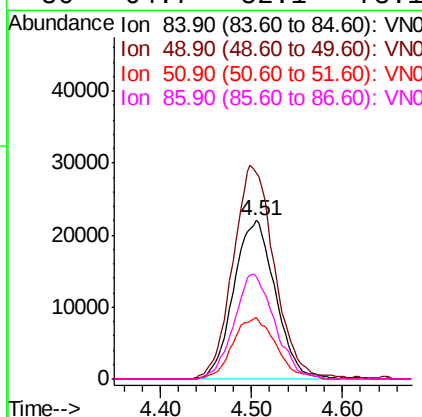
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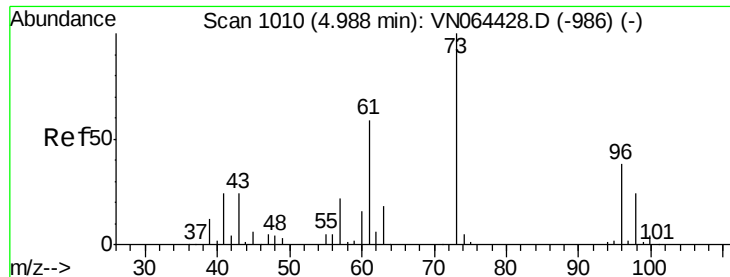
MMDadoda
11/19/2020 5:42:39 PM



#20
Methylene Chloride
Concen: 18.219 ug/l
RT: 4.51 min Scan# 860
Delta R.T. -0.00 min
Lab File: VN064653.D
Acq: 16 Nov 2020 11:14

Tgt Ion: 84 Resp: 70078
Ion Ratio Lower Upper
84 100
49 130.3 110.1 165.1
51 38.9 33.6 50.4
86 64.7 52.1 78.1





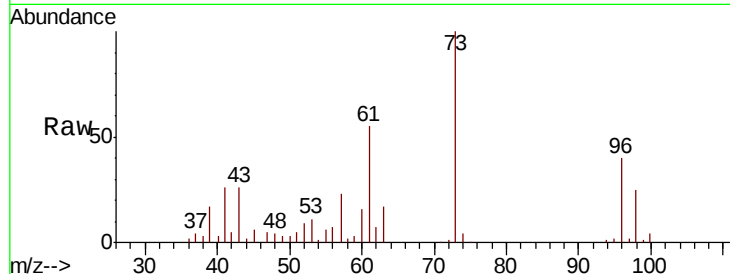
#21
trans-1,2-Dichloroethene
Concen: 17.718 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN064653.D
Acq: 16 Nov 2020 11:14

Instrument :
MSVOA_N
ClientSampleId :
VN1116WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.4	122.4	183.6
98	61.1	50.4	75.6

Manual Integrations
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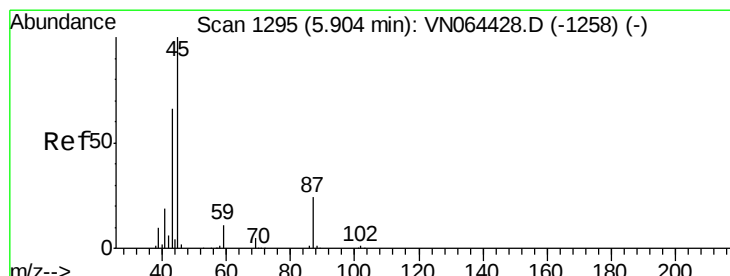
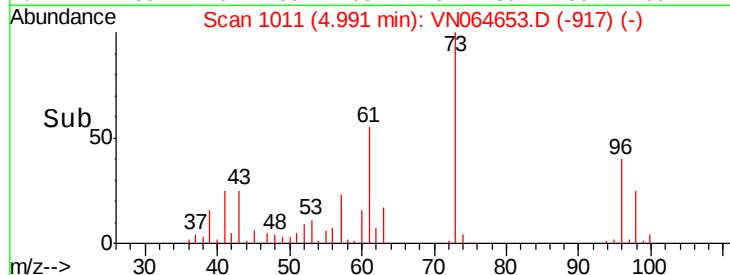
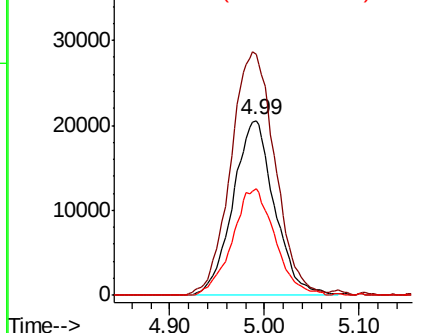


Abundance

Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#22
Diisopropyl ether
Concen: 16.923 ug/l
RT: 5.91 min Scan# 1296
Delta R.T. 0.00 min
Lab File: VN064653.D
Acq: 16 Nov 2020 11:14

Tgt Ion	Ratio	Lower	Upper
45	100		
43	68.3	53.2	79.8
87	26.6	19.9	29.9
59	10.6	8.6	13.0

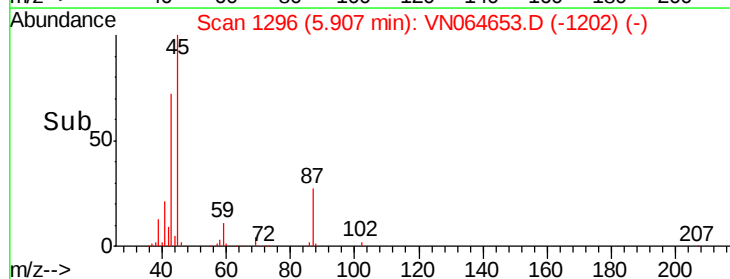
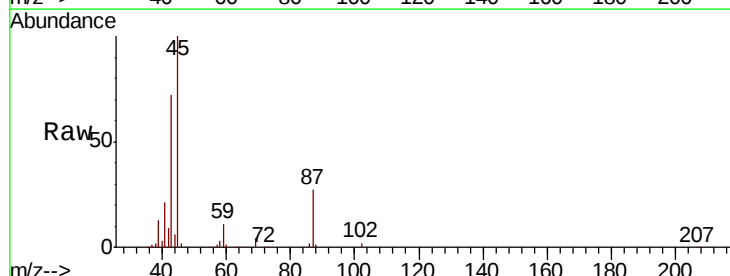
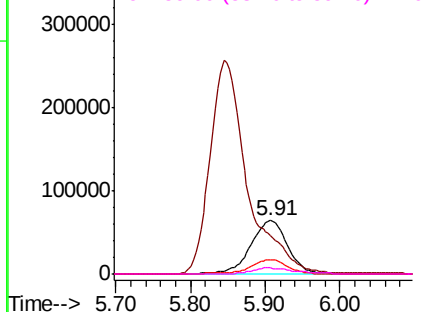
Abundance

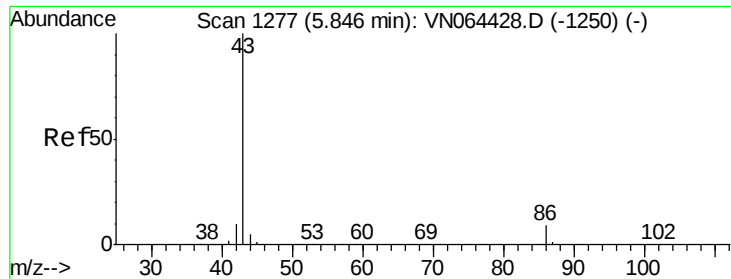
Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





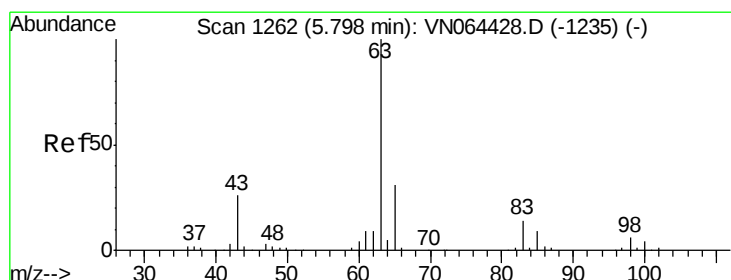
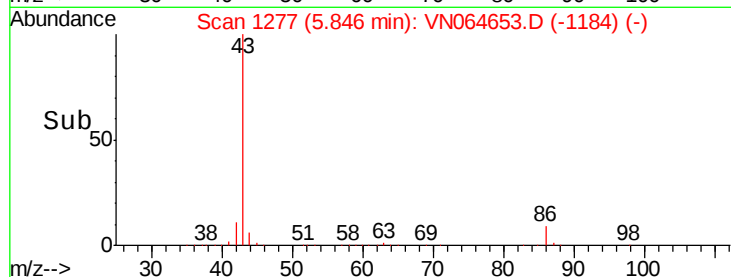
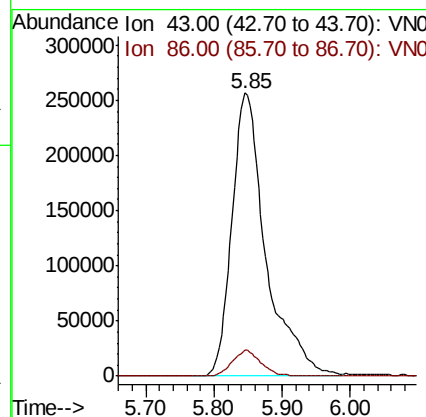
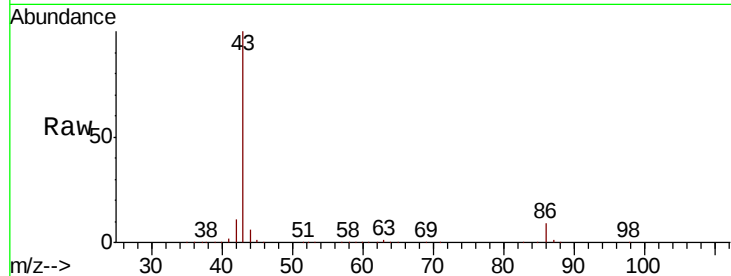
#23
 Vinyl Acetate
 Concen: 84.371 ug/l
 RT: 5.85 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VN064653.D
 Acq: 16 Nov 2020 11:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
86	9.2	6.8	10.2

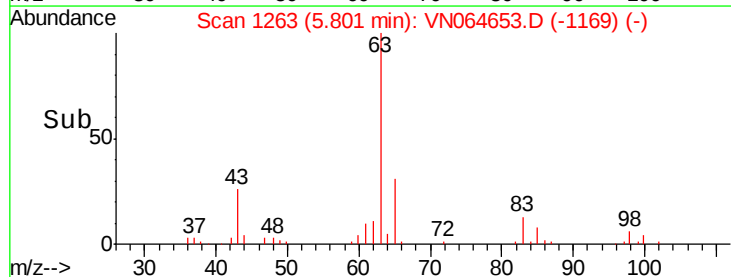
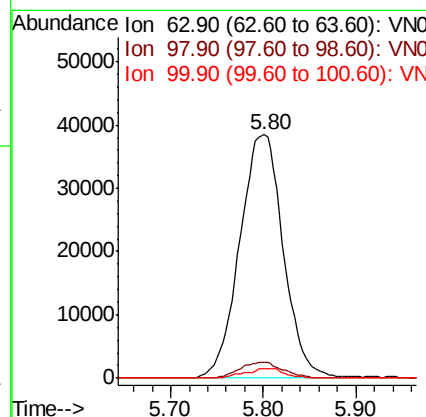
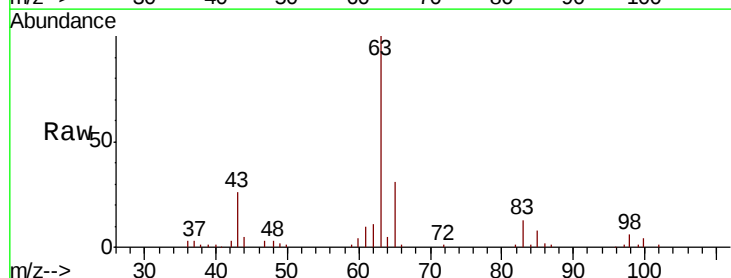
Manual Integrations
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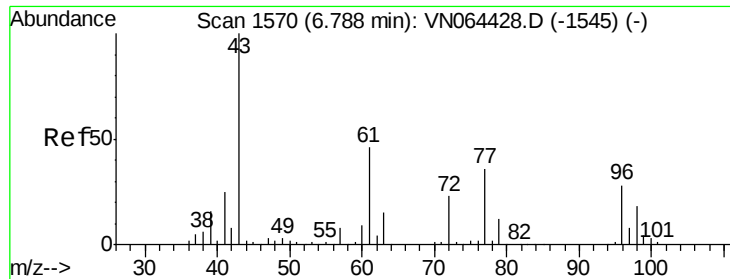
MMDadoda
 11/19/2020 5:42:39 PM



#24
 1,1-Dichloroethane
 Concen: 17.567 ug/l
 RT: 5.80 min Scan# 1263
 Delta R.T. 0.00 min
 Lab File: VN064653.D
 Acq: 16 Nov 2020 11:14

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.0	9.2
100	3.9	1.8	5.3





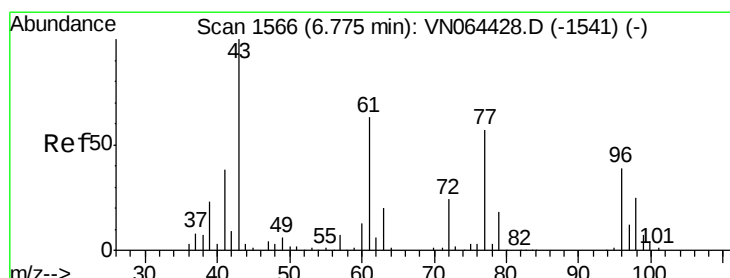
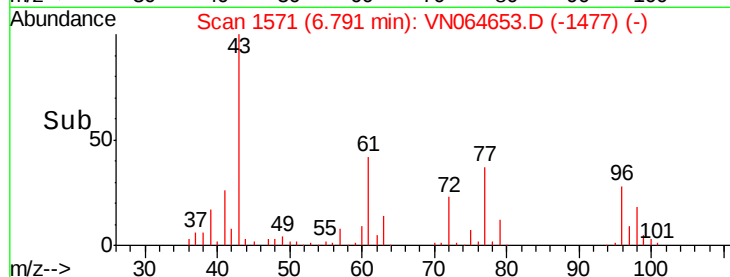
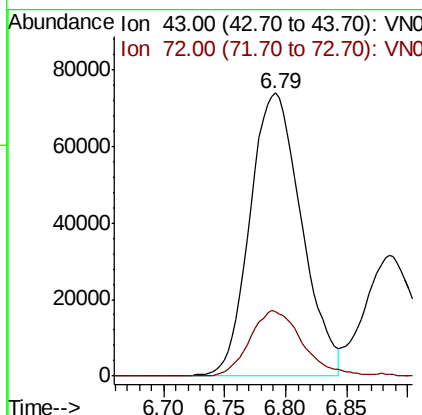
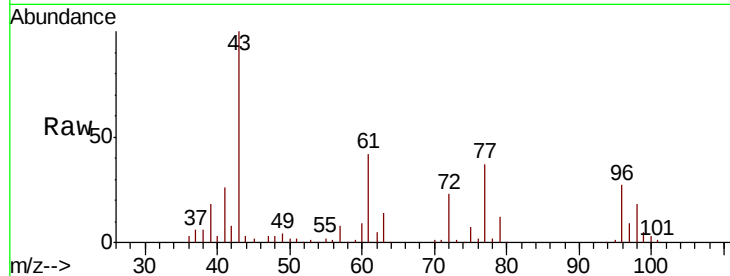
#25
2-Butanone
Concen: 87.772 ug/l
RT: 6.79 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN064653.D
Acq: 16 Nov 2020 11:14

Instrument :
MSVOA_N
ClientSampleId :
VN1116WBS01

Tot Ion: 43 Resp: 216804
Ion Ratio Lower Upper
43 100
72 22.7 18.5 27.7

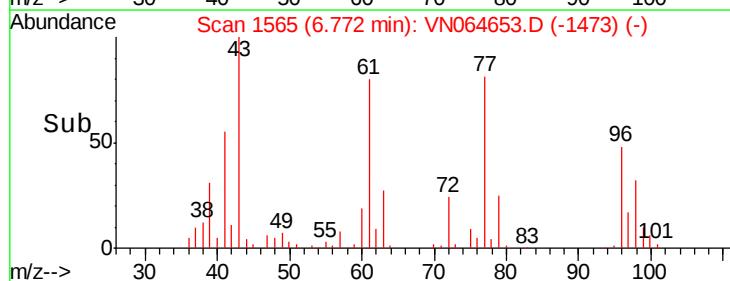
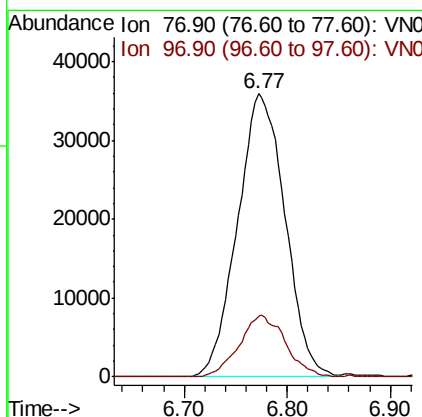
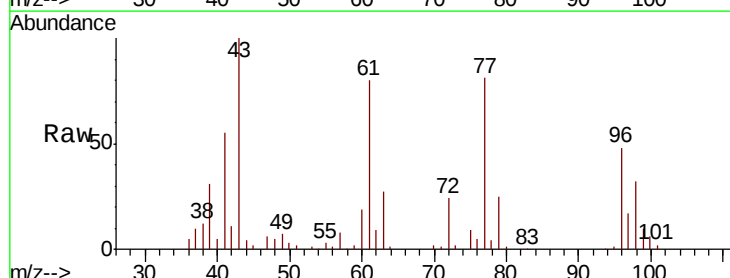
Manual Integrations
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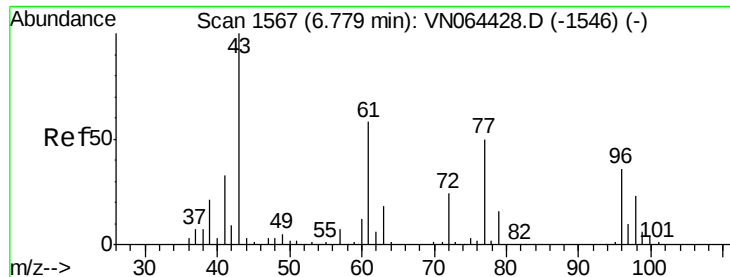
MMDadoda
11/19/2020 5:42:39 PM



#26
2,2-Dichloropropane
Concen: 17.809 ug/l
RT: 6.77 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VN064653.D
Acq: 16 Nov 2020 11:14

Tgt Ion: 77 Resp: 114952
Ion Ratio Lower Upper
77 100
97 21.1 10.2 30.6





#27

cis-1,2-Dichloroethene

Concen: 16.924 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN064653.D

Acq: 16 Nov 2020 11:14

Instrument :

MSVOA_N

ClientSampleId :

VN1116WBS01

Tot Ion: 96 Resp: 69578

Ion Ratio Lower Upper

96 100

61 163.3 0.0 329.6

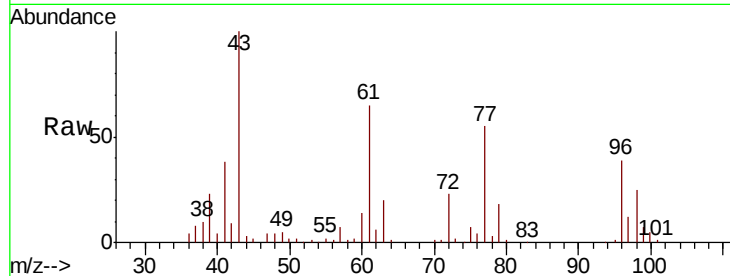
98 66.5 0.0 131.2

Manual Integrations

APPROVED

MMDadoda

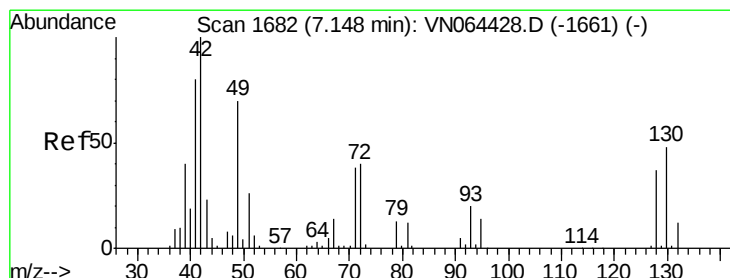
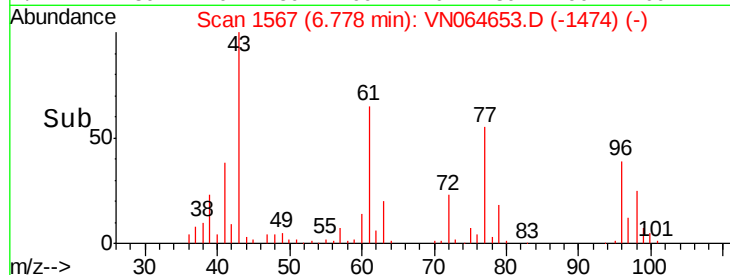
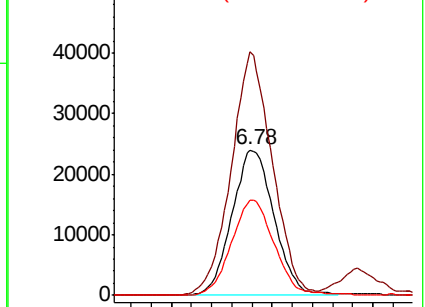
11/19/2020 5:42:39 PM



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 17.487 ug/l

RT: 7.15 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VN064653.D

Acq: 16 Nov 2020 11:14

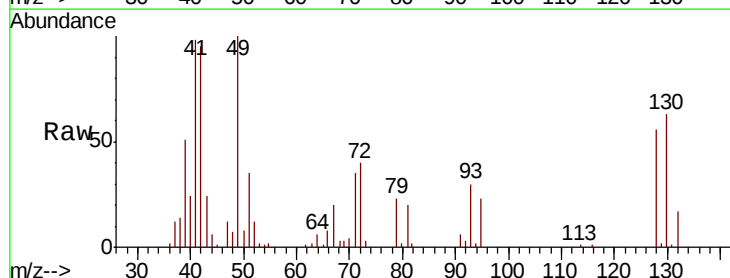
Tgt Ion: 49 Resp: 61287

Ion Ratio Lower Upper

49 100

129 1.1 0.0 3.6

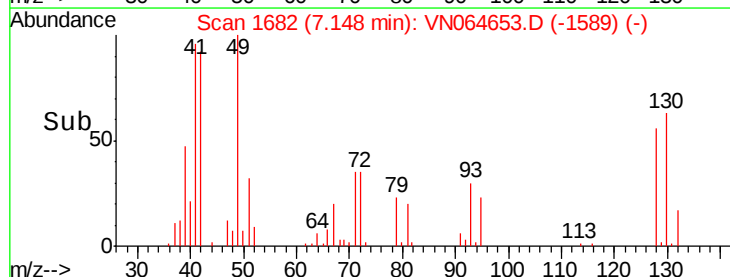
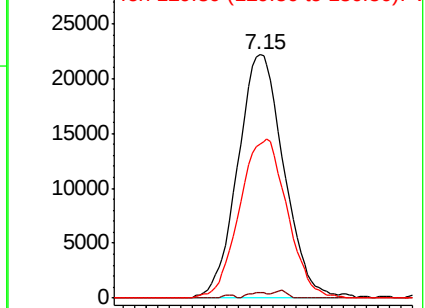
130 67.5 54.2 81.4

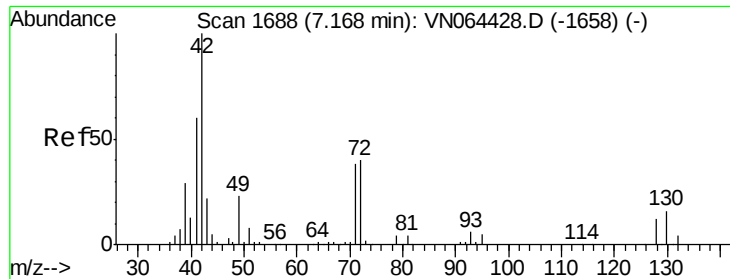


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





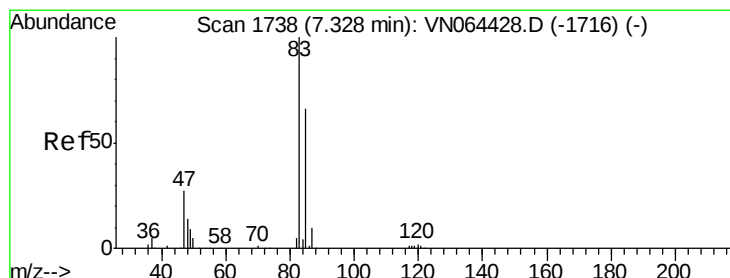
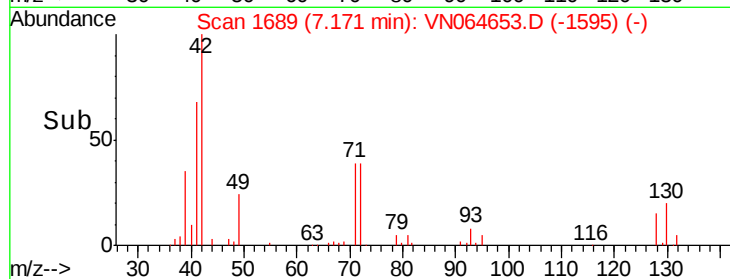
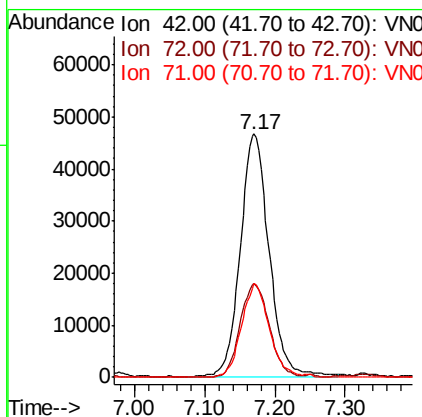
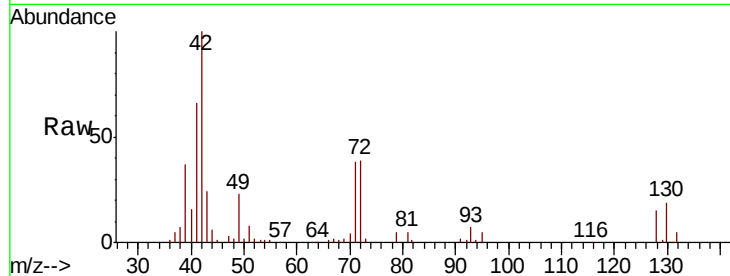
#29
Tetrahydrofuran
Concen: 88.454 ug/l
RT: 7.17 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VN064653.D
Acq: 16 Nov 2020 11:14

Instrument :
MSVOA_N
ClientSampleId :
VN1116WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.6	31.7	47.5
71	36.6	29.8	44.6

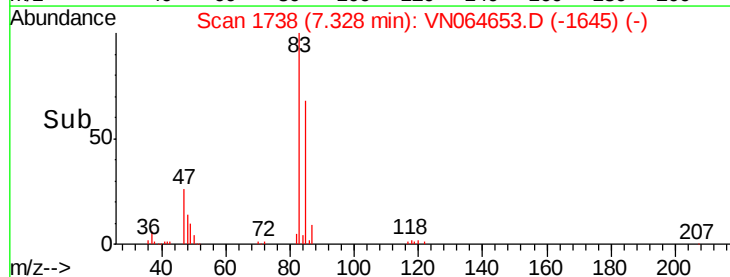
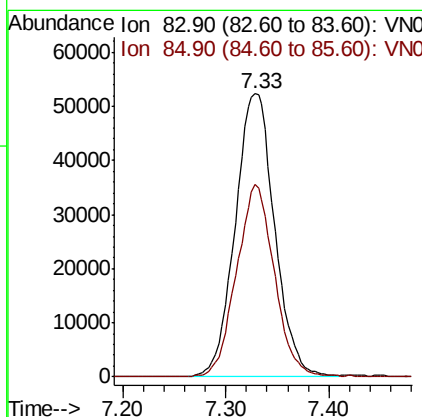
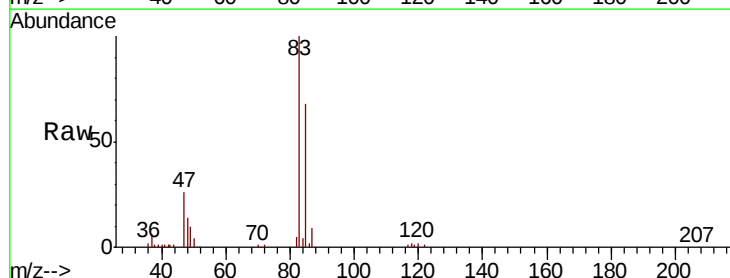
Manual Integrations
APPROVED

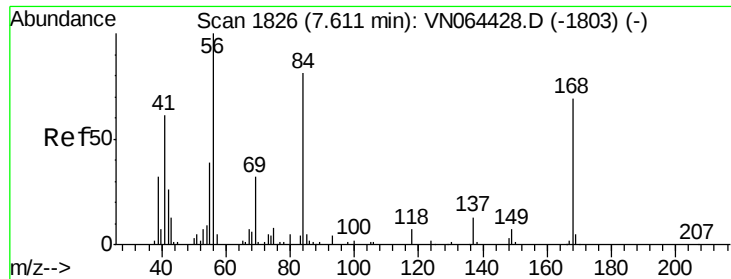
MMDadoda
11/19/2020 5:42:39 PM



#30
Chloroform
Concen: 18.548 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN064653.D
Acq: 16 Nov 2020 11:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.8	52.5	78.7





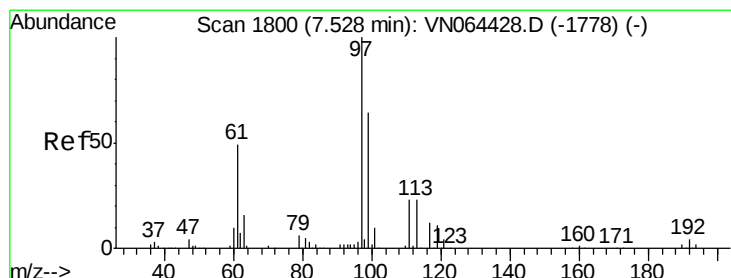
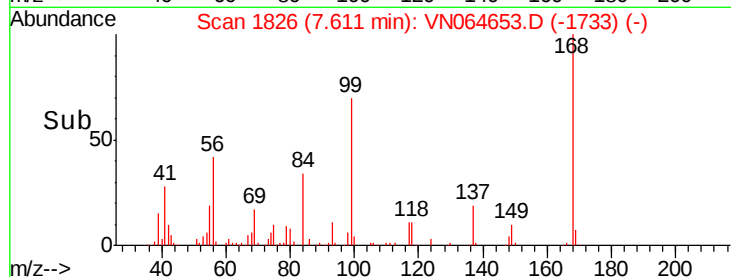
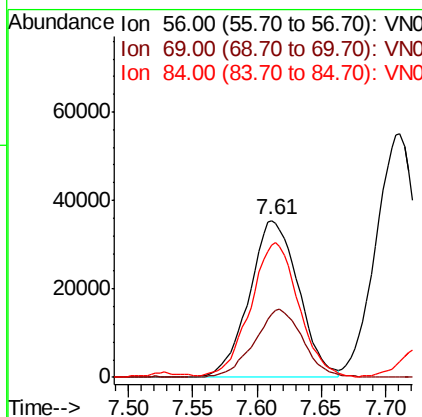
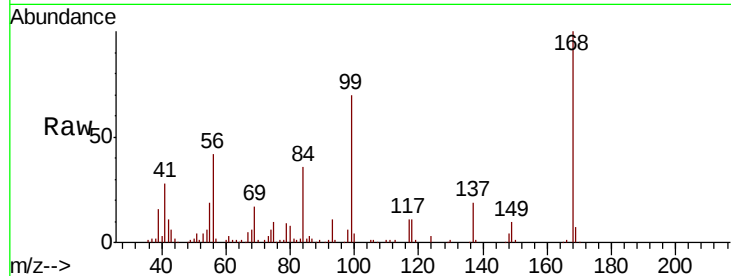
#31
Cyclohexane
Concen: 15.263 ug/l
RT: 7.61 min Scan# 1826
Delta R.T. -0.00 min
Lab File: VN064653.D
Acq: 16 Nov 2020 11:14

Instrument :
MSVOA_N
ClientSampleId :
VN1116WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	40.6	25.6	38.4#
84	82.8	63.0	94.6

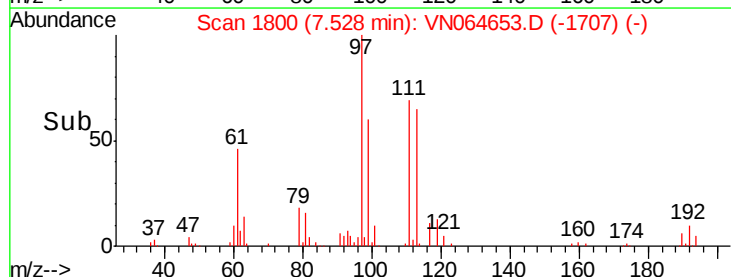
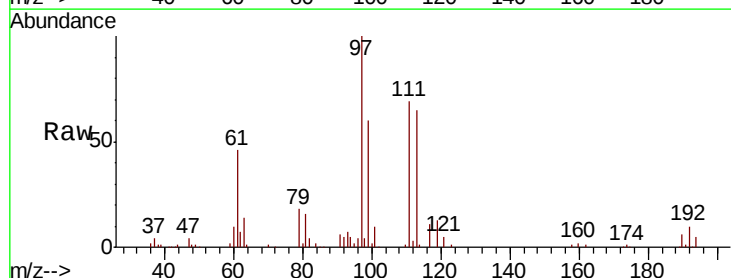
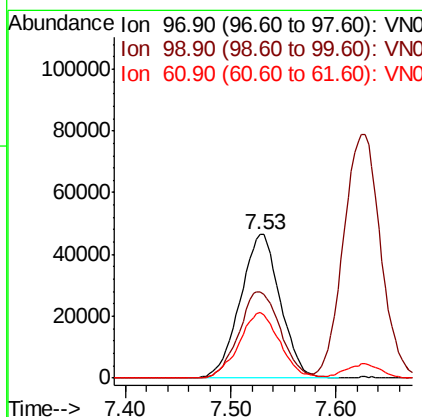
Manual Integrations
APPROVED

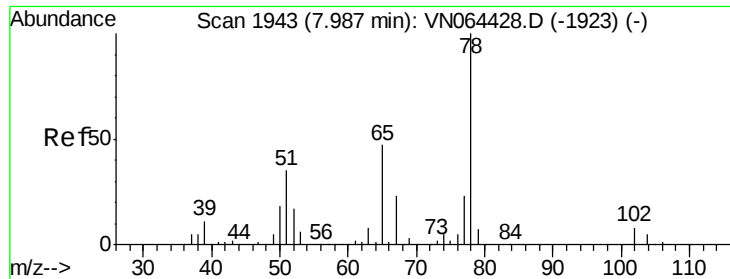
MMDadoda
11/19/2020 5:42:39 PM



#32
1,1,1-Trichloroethane
Concen: 18.445 ug/l
RT: 7.53 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VN064653.D
Acq: 16 Nov 2020 11:14

Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.9	51.3	76.9
61	46.5	39.1	58.7





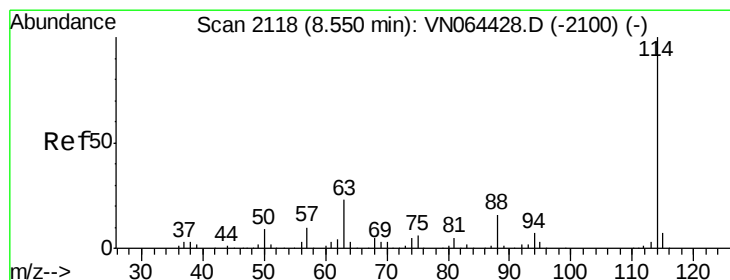
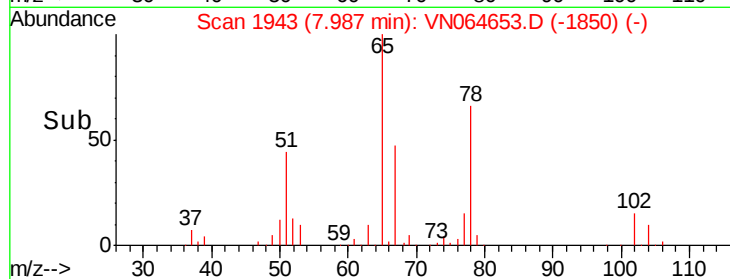
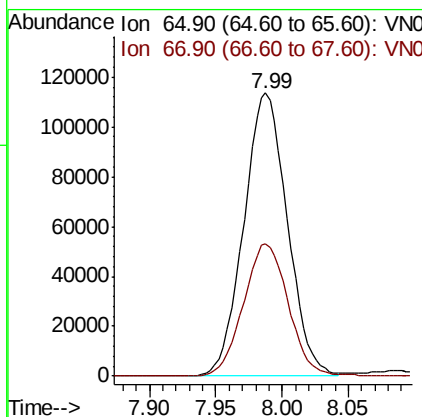
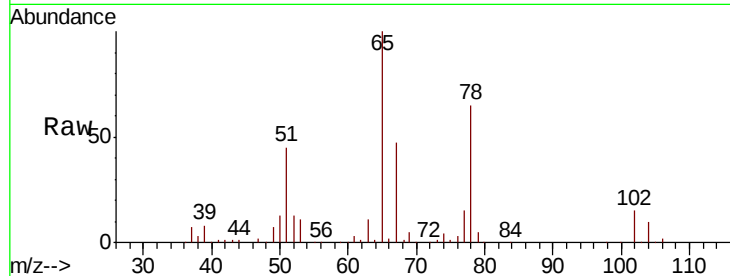
#33
 1,2-Dichloroethane-d4
 Concen: 50.976 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN064653.D
 Acq: 16 Nov 2020 11:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	48.4	0.0	101.6	

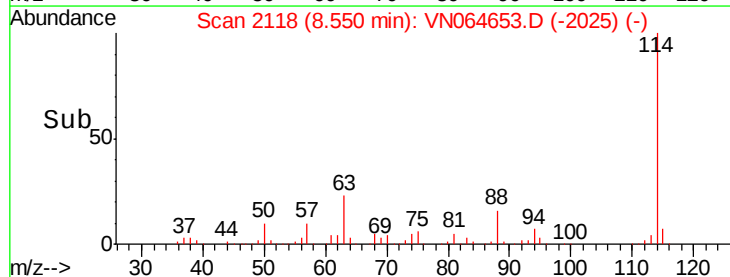
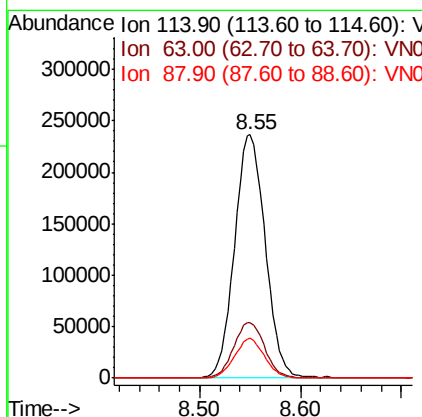
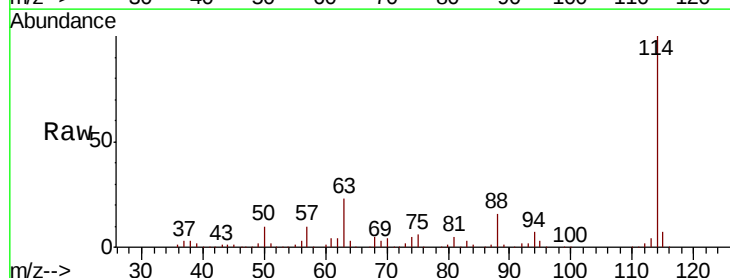
Manual Integrations
 APPROVED

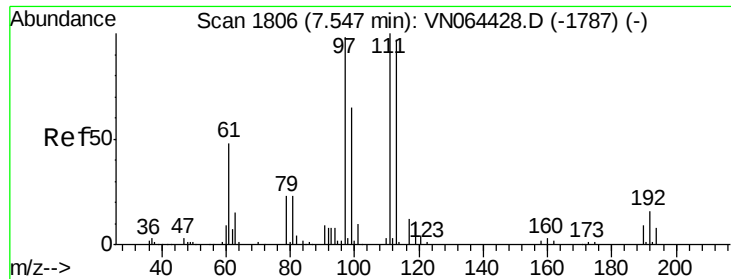
MMDadoda
 11/19/2020 5:42:39 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN064653.D
 Acq: 16 Nov 2020 11:14

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.9	0.0	45.6	
88	16.3	0.0	32.8	





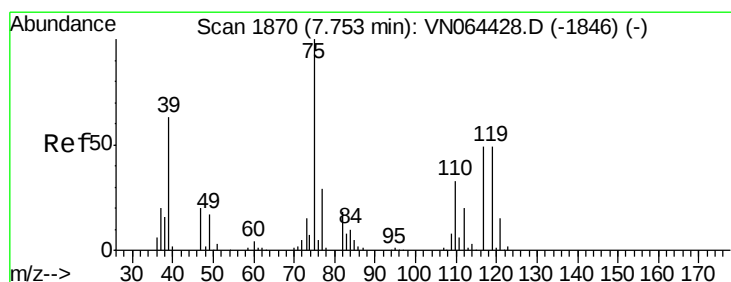
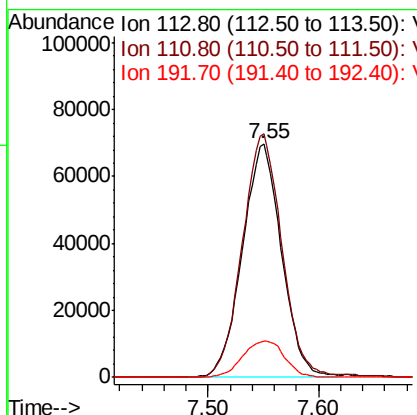
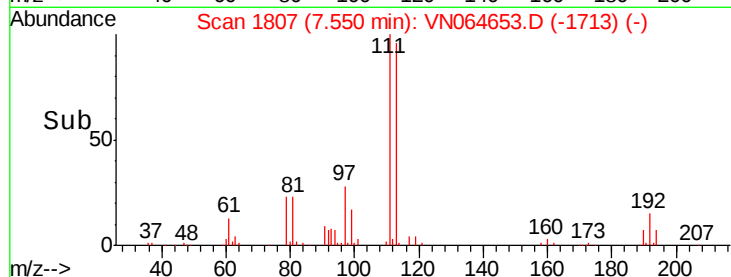
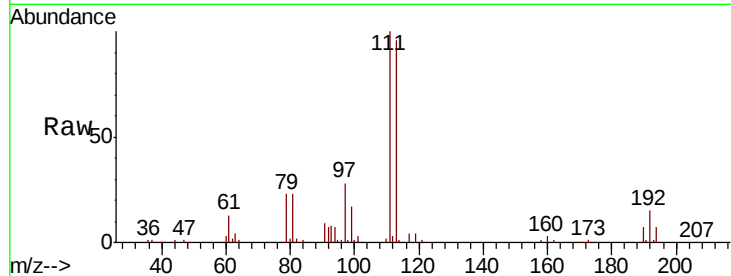
#35
 Dibromofluoromethane
 Concen: 50.332 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064653.D
 Acq: 16 Nov 2020 11:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	171332		
111	105.2	81.1	121.7	
192	16.6	12.8	19.2	

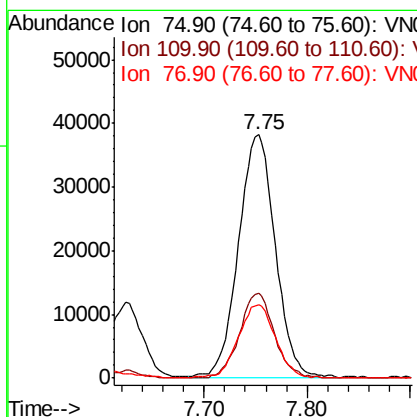
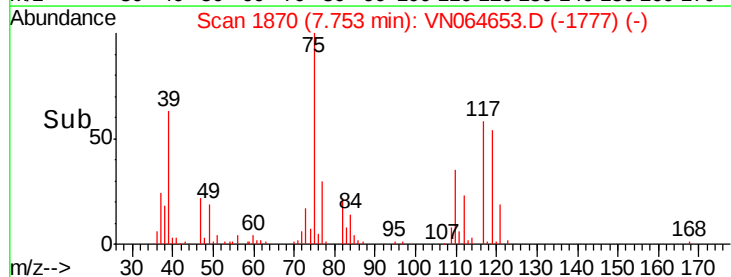
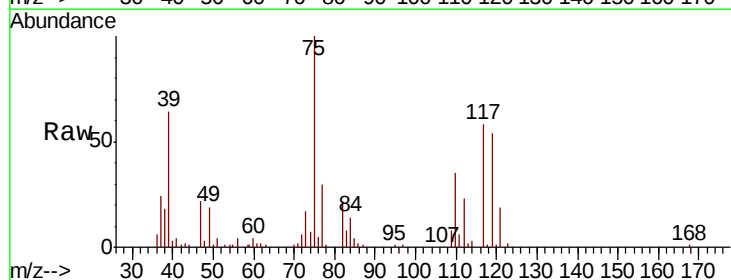
Manual Integrations
 APPROVED

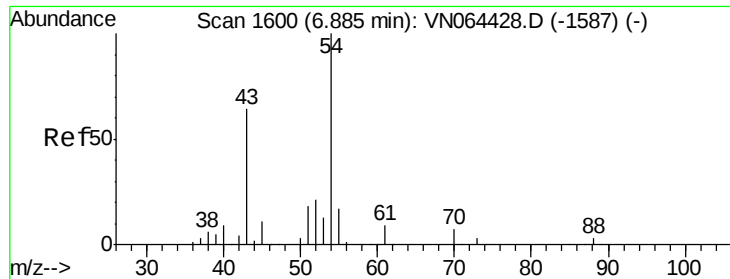
MMDadoda
 11/19/2020 5:42:39 PM



#36
 1,1-Dichloropropene
 Concen: 18.054 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: VN064653.D
 Acq: 16 Nov 2020 11:14

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	95357		
110	32.7	16.0	48.0	
77	30.3	24.0	36.0	





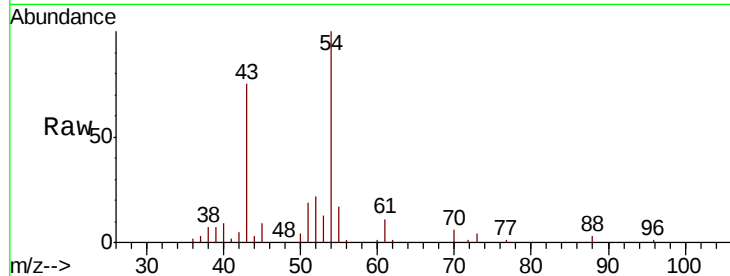
#37
Ethyl Acetate
Concen: 17.961 ug/l
RT: 6.88 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VN064653.D
Acq: 16 Nov 2020 11:14

Instrument :
MSVOA_N
ClientSampleId :
VN1116WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.5	10.0	15.0
70	8.3	7.1	10.7

Manual Integrations
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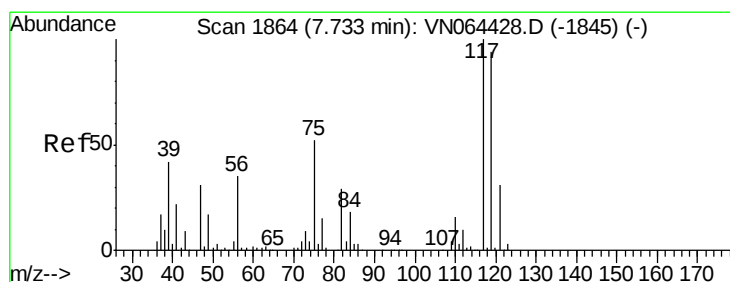
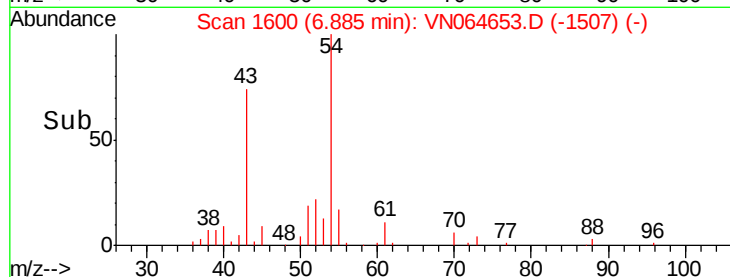
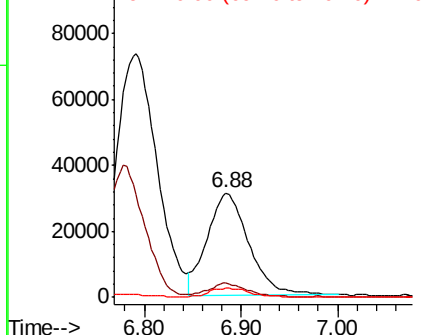


Abundance

Ion 43.00 (42.70 to 43.70): VN064428.D (-1587) (-)

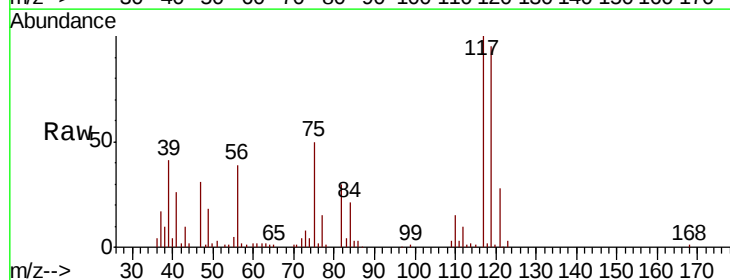
Ion 60.90 (60.60 to 61.60): VN064428.D (-1587) (-)

Ion 70.00 (69.70 to 70.70): VN064428.D (-1587) (-)



#38
Carbon Tetrachloride
Concen: 19.188 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN064653.D
Acq: 16 Nov 2020 11:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.9	75.5	113.3
121	28.2	24.4	36.6

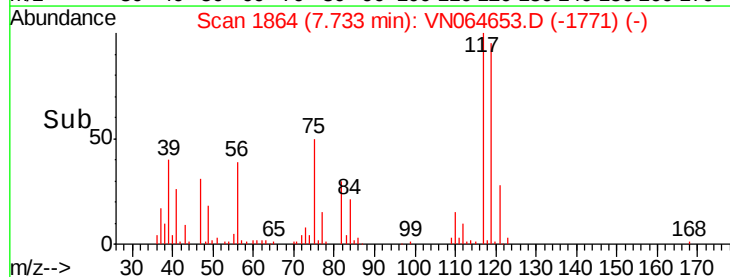
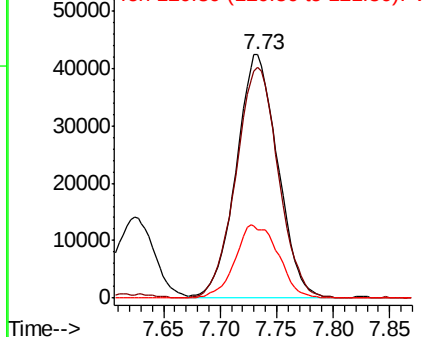


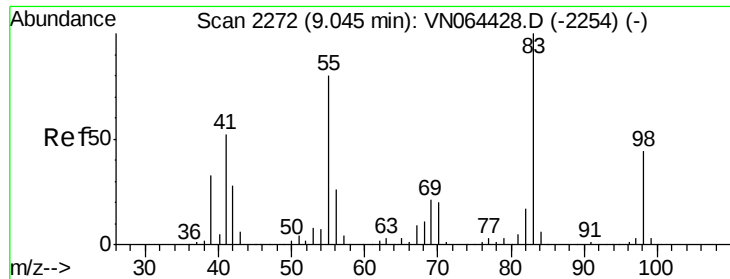
Abundance

Ion 116.80 (116.50 to 117.50): VN064428.D (-1845) (-)

Ion 118.80 (118.50 to 119.50): VN064428.D (-1845) (-)

Ion 120.80 (120.50 to 121.50): VN064428.D (-1845) (-)





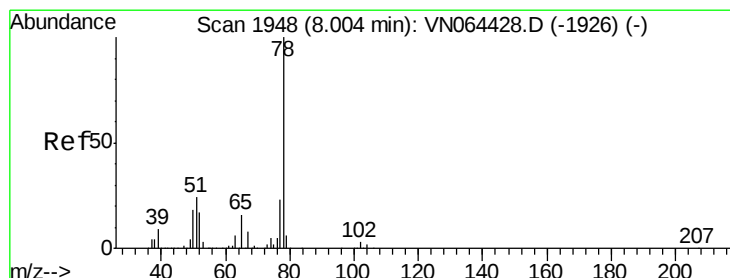
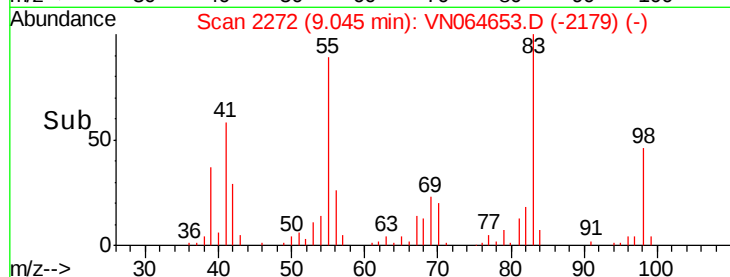
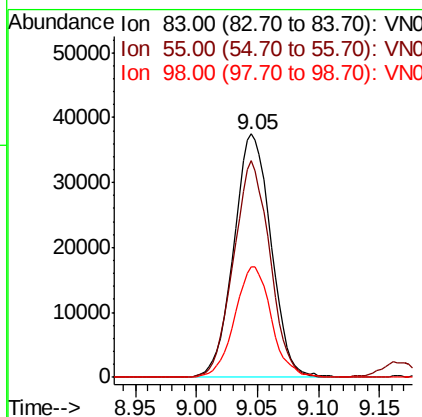
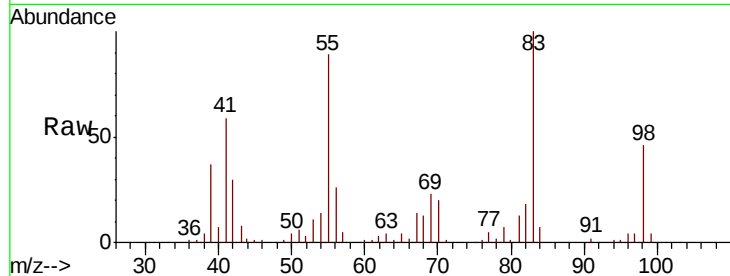
#39
Methvlcvclohexane
Concen: 16.715 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN064653.D
Acq: 16 Nov 2020 11:14

Instrument :
MSVOA_N
ClientSampleId :
VN1116WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	89.1	63.8	95.6
98	45.5	35.4	53.2

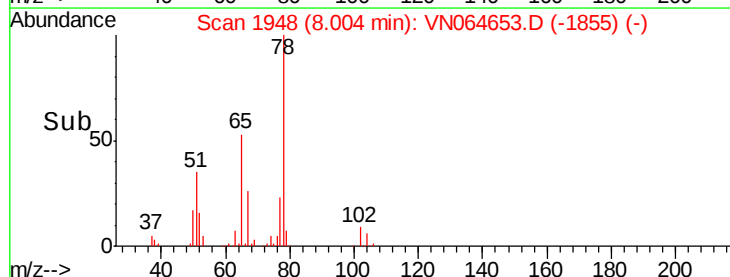
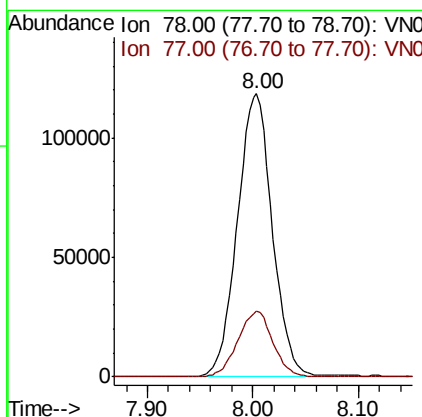
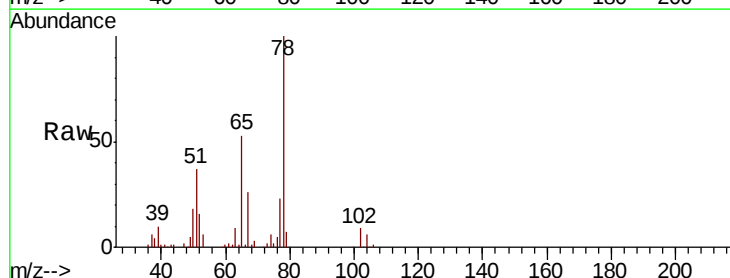
Manual Integrations
APPROVED

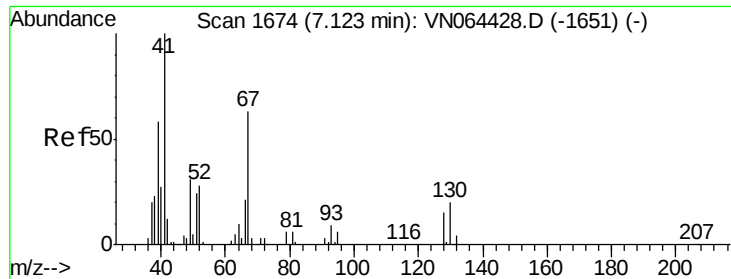
MMDadoda
11/19/2020 5:42:39 PM



#40
Benzene
Concen: 17.552 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN064653.D
Acq: 16 Nov 2020 11:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.7	28.1





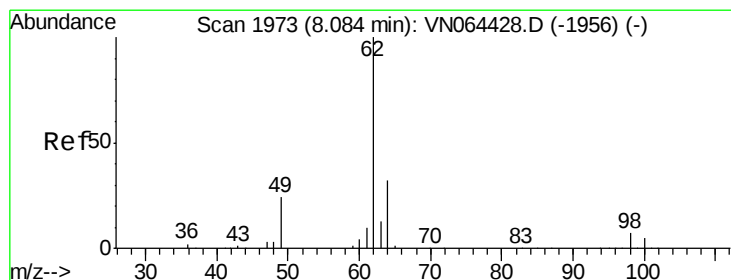
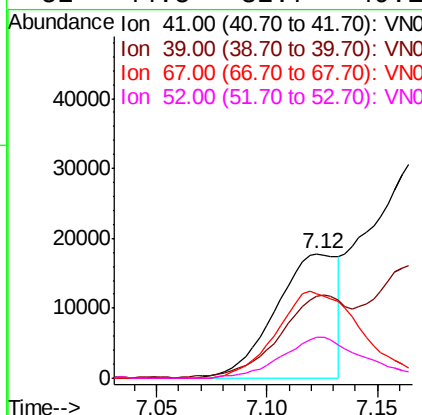
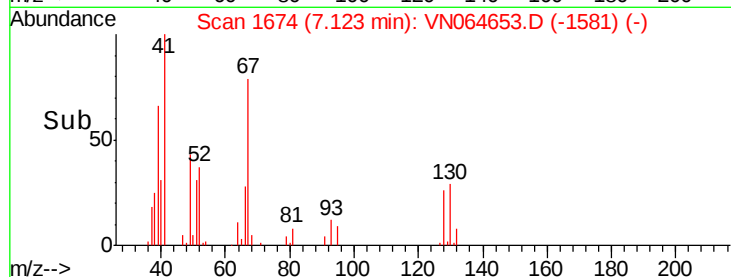
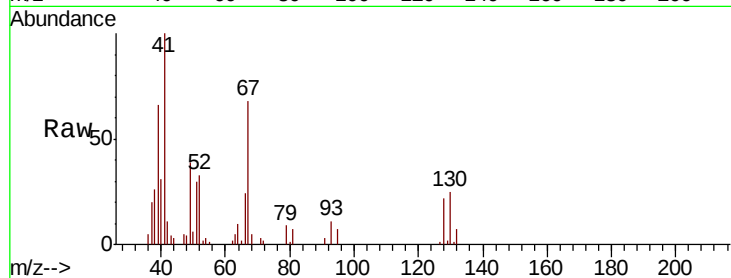
#41
Methacrylonitrile
Concen: 14.812 ug/l
RT: 7.12 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VN064653.D
Acq: 16 Nov 2020 11:14

Instrument :
MSVOA_N
ClientSampleId :
VN1116WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	73.8	50.0	75.0	
67	96.4	68.3	102.5	
52	44.5	32.7	49.1	

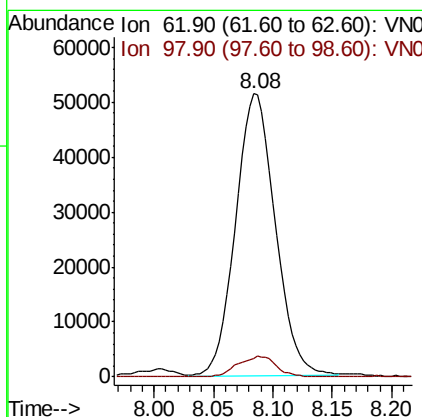
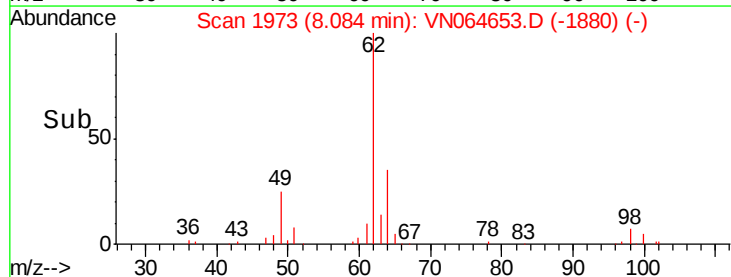
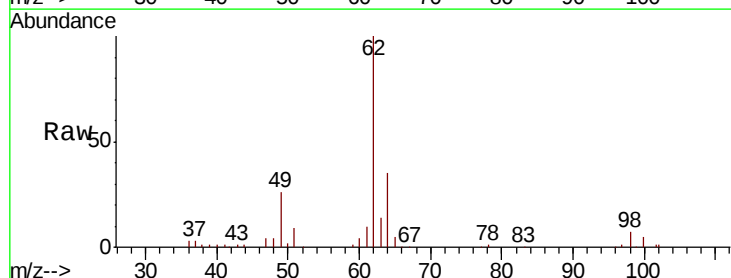
Manual Integrations
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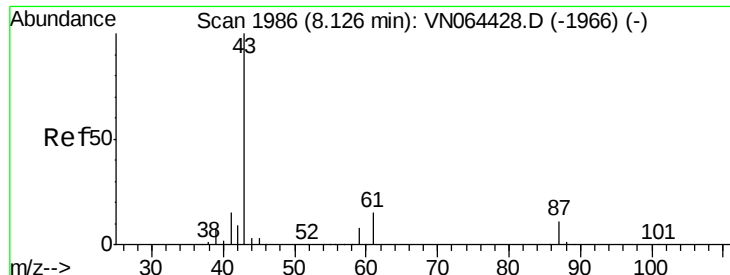
MMDadoda
11/19/2020 5:42:39 PM



#42
1,2-Dichloroethane
Concen: 18.838 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN064653.D
Acq: 16 Nov 2020 11:14

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.2	0.0	14.0	





#43

Isopropyl Acetate

Concen: 17.478 ug/l

RT: 8.13 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN064653.D

Acq: 16 Nov 2020 11:14

Instrument :

MSVOA_N

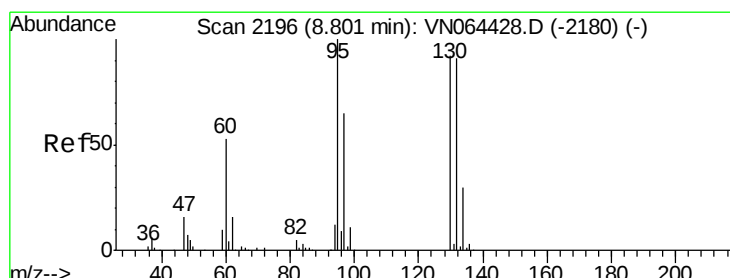
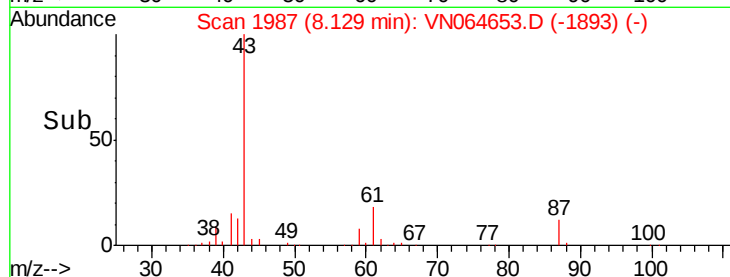
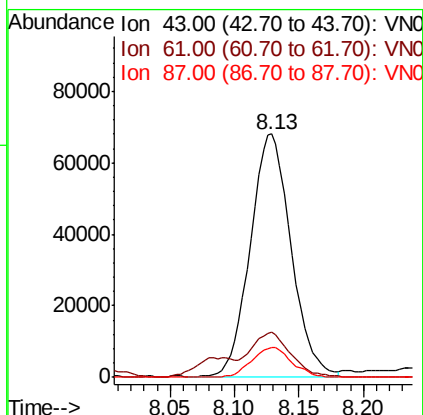
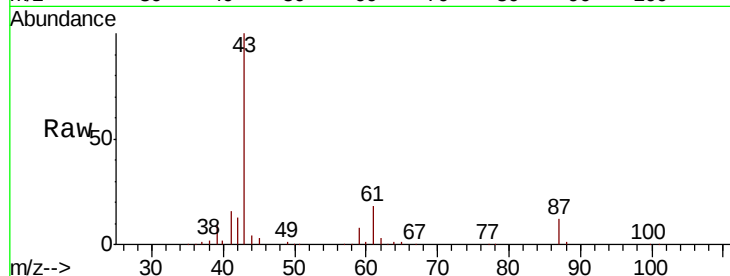
ClientSampleId :

VN1116WBS01

Tot Ion:	43	Resp:	149600
Ion	Ratio	Lower	Upper
43	100		
61	18.1	14.0	21.0
87	12.2	9.1	13.7

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#44

Trichloroethene

Concen: 17.788 ug/l

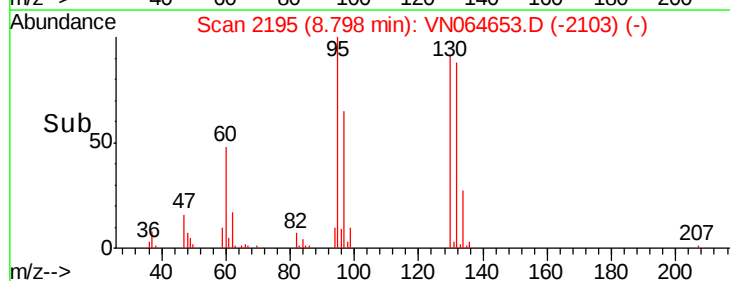
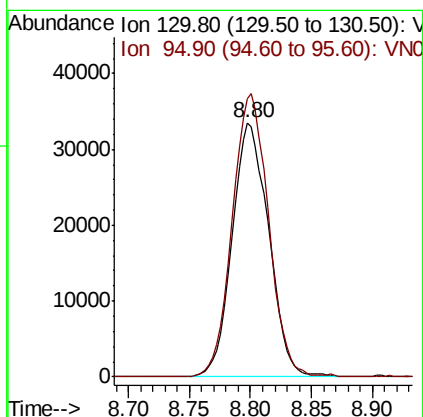
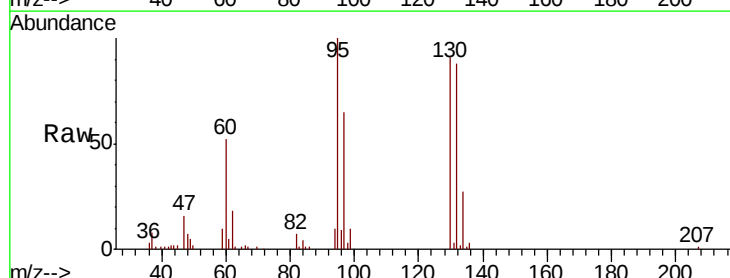
RT: 8.80 min Scan# 2195

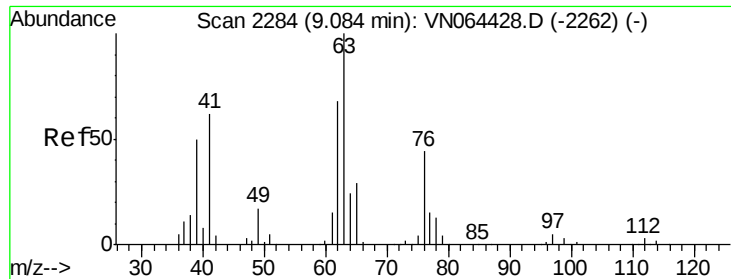
Delta R.T. -0.00 min

Lab File: VN064653.D

Acq: 16 Nov 2020 11:14

Tgt Ion:	130	Resp:	69655
Ion	Ratio	Lower	Upper
130	100		
95	109.5	0.0	216.8





#45

1,2-Dichloropropane

Concen: 18.227 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN064653.D

Acq: 16 Nov 2020 11:14

Instrument :

MSVOA_N

ClientSampleId :

VN1116WBS01

Tot Ion: 63 Resp: 75482

Ion Ratio Lower Upper

63 100

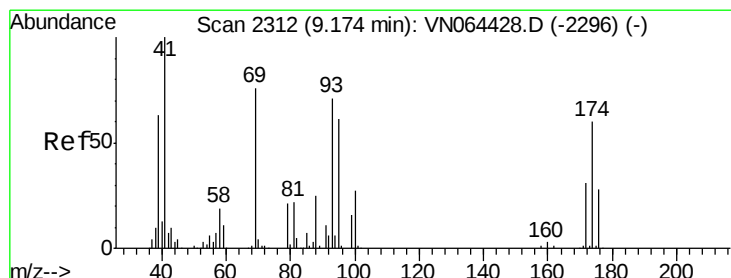
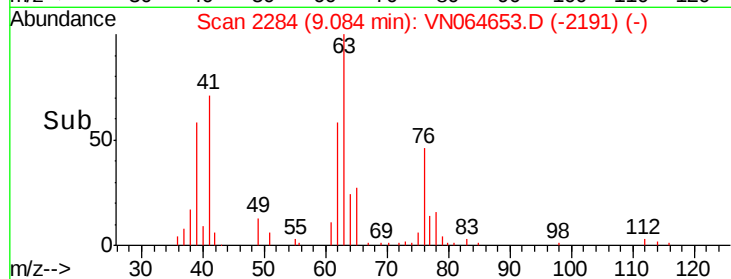
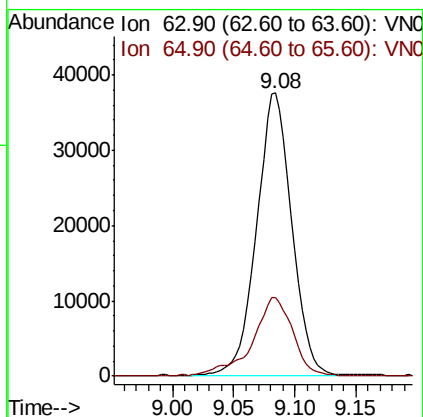
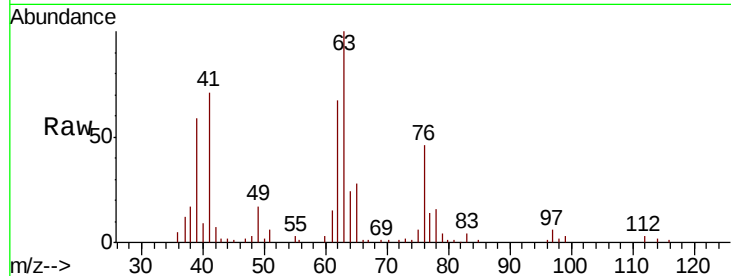
65 28.0 23.6 35.4

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#46

Dibromomethane

Concen: 19.666 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN064653.D

Acq: 16 Nov 2020 11:14

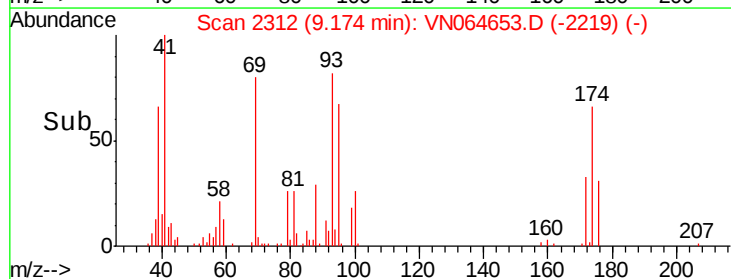
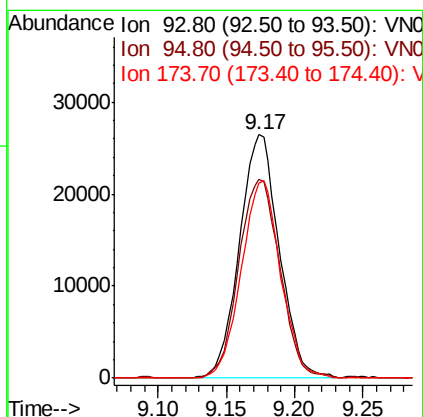
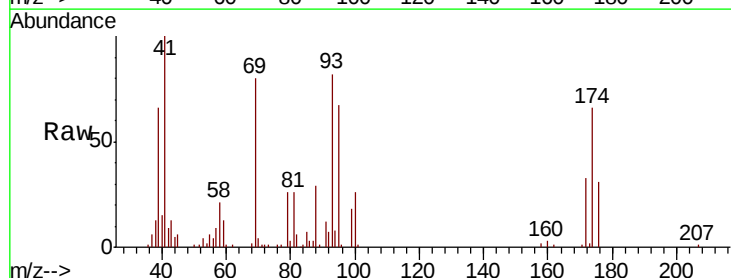
Tgt Ion: 93 Resp: 53613

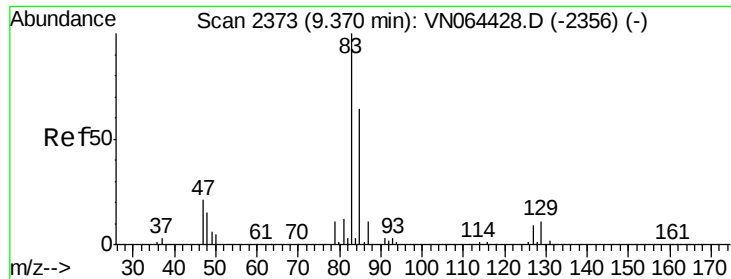
Ion Ratio Lower Upper

93 100

95 84.6 66.4 99.6

174 80.1 67.2 100.8





#47

Bromodichloromethane

Concen: 19.347 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN064653.D

Acq: 16 Nov 2020 11:14

Instrument :

MSVOA_N

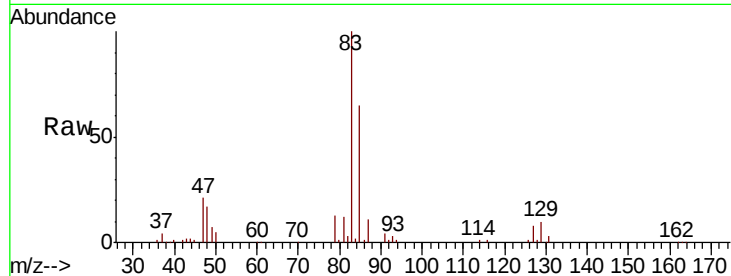
ClientSampleId :

VN1116WBS01

Tot Ion:	83	Resp:	113405
Ion Ratio	Lower	Upper	
83	100		
85	65.0	51.2	76.8
127	8.0	6.9	10.3

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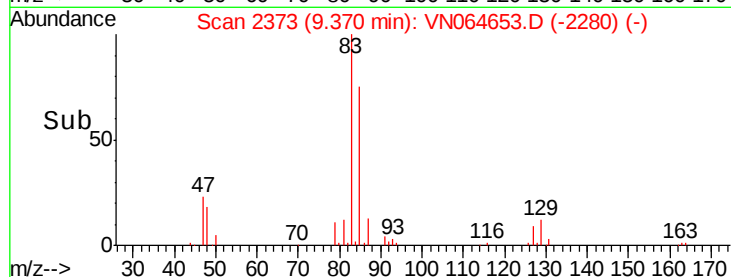


Abundance Ion 82.90 (82.60 to 83.60): VN064428.D (-2356) (-)

Ion 84.90 (84.60 to 85.60): VN064428.D (-2356) (-)

Ion 126.80 (126.50 to 127.50): VN064428.D (-2356) (-)

Time-->



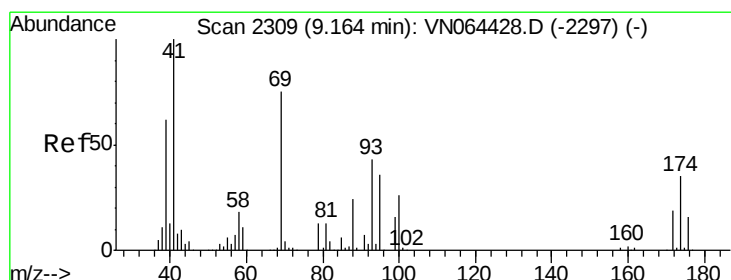
Abundance

Ion 82.90 (82.60 to 83.60): VN064653.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN064653.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN064653.D (-2280) (-)

Time-->



#48

Methyl methacrylate

Concen: 17.015 ug/l

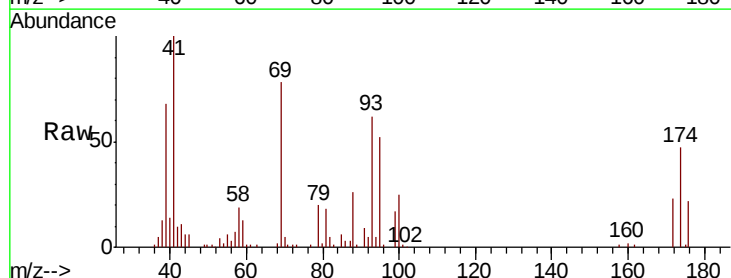
RT: 9.17 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN064653.D

Acq: 16 Nov 2020 11:14

Tgt Ion:	41	Resp:	73490
Ion Ratio	Lower	Upper	
41	100		
69	76.4	60.4	90.6
39	67.0	51.2	76.8

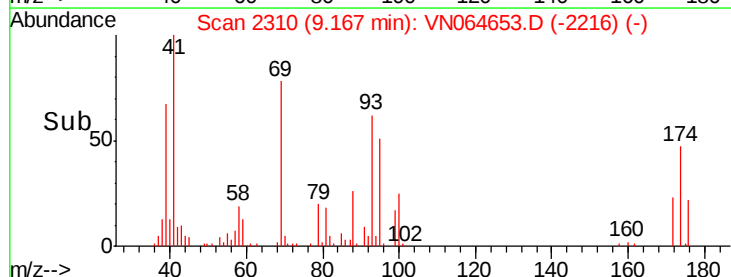


Abundance Ion 41.00 (40.70 to 41.70): VN064428.D (-2297) (-)

Ion 69.00 (68.70 to 69.70): VN064428.D (-2297) (-)

Ion 39.00 (38.70 to 39.70): VN064428.D (-2297) (-)

Time-->



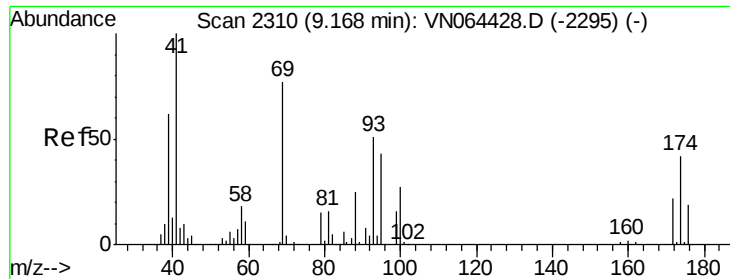
Abundance

Ion 41.00 (40.70 to 41.70): VN064653.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN064653.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN064653.D (-2216) (-)

Time-->



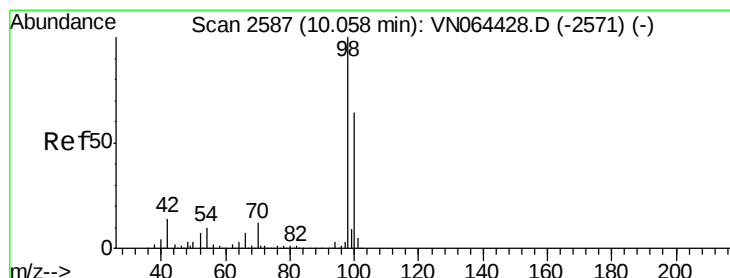
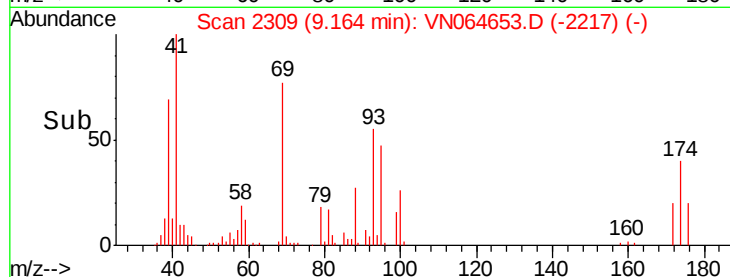
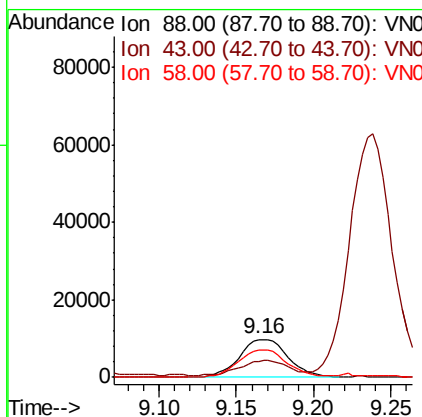
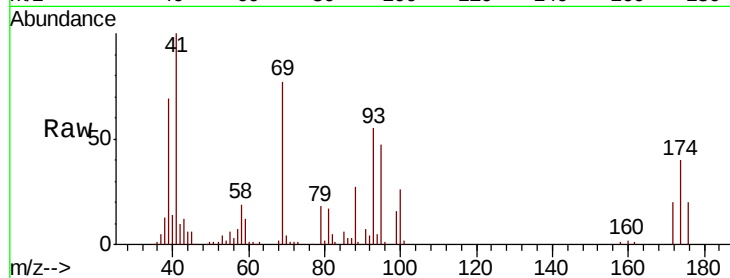
#49
1,4-Dioxane
Concen: 376.820 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN064653.D
Acq: 16 Nov 2020 11:14

Instrument :
MSVOA_N
ClientSampleId :
VN1116WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.2	31.0	46.6
58	73.5	58.4	87.6

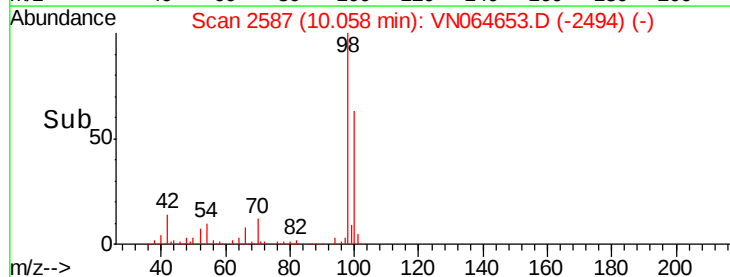
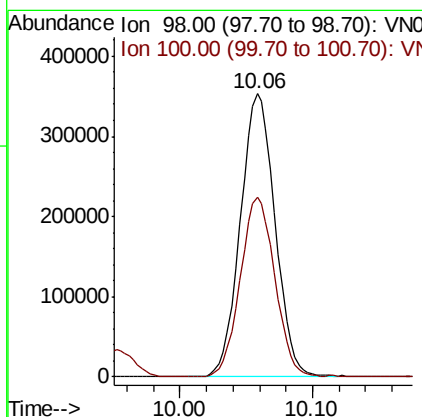
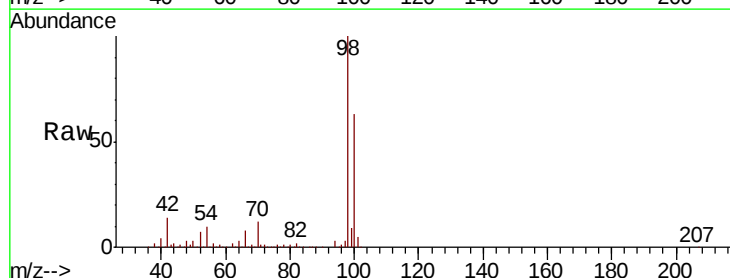
Manual Integrations
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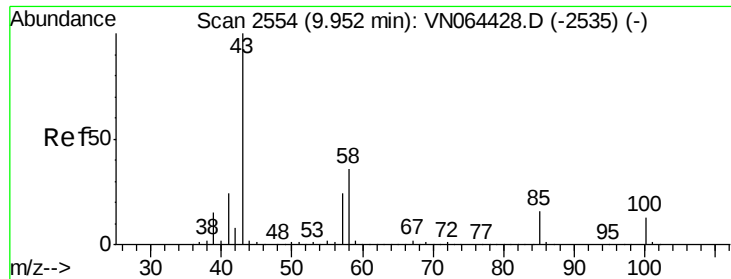
MMDadoda
11/19/2020 5:42:39 PM



#50
Toluene-d8
Concen: 48.791 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN064653.D
Acq: 16 Nov 2020 11:14

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.3	50.7	76.1





#51

4-Methyl-2-Pentanone

Concen: 93.083 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN064653.D

Acq: 16 Nov 2020 11:14

Instrument :

MSVOA_N

ClientSampleId :

VN1116WBS01

Tot Ion: 43 Resp: 464639

Ion Ratio Lower Upper

43 100

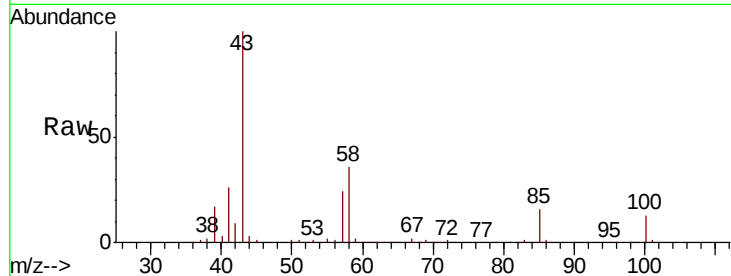
58 35.8 28.4 42.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN064428.D (-2535) (-)

Ion 58.00 (57.70 to 58.70): VN064428.D (-2535) (-)

9.95

250000

200000

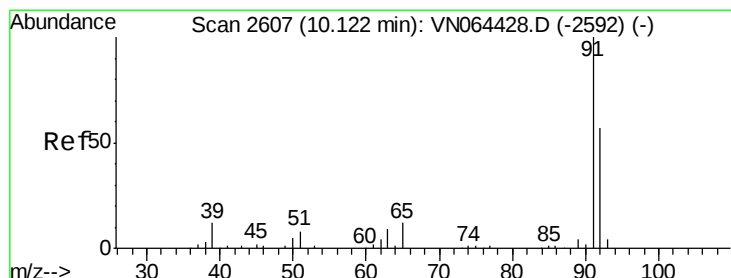
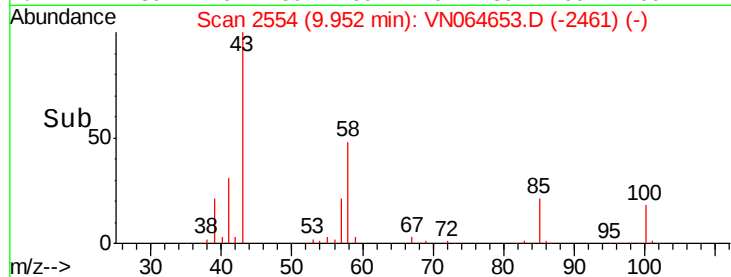
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 18.269 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064653.D

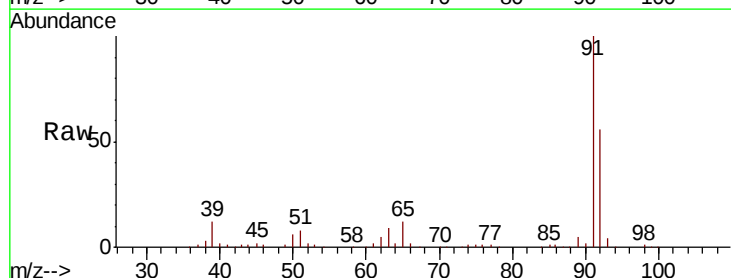
Acq: 16 Nov 2020 11:14

Tgt Ion: 92 Resp: 172933

Ion Ratio Lower Upper

92 100

91 176.9 139.6 209.4



Abundance Ion 92.00 (91.70 to 92.70): VN064428.D (-2592) (-)

Ion 91.00 (90.70 to 91.70): VN064428.D (-2592) (-)

10.12

200000

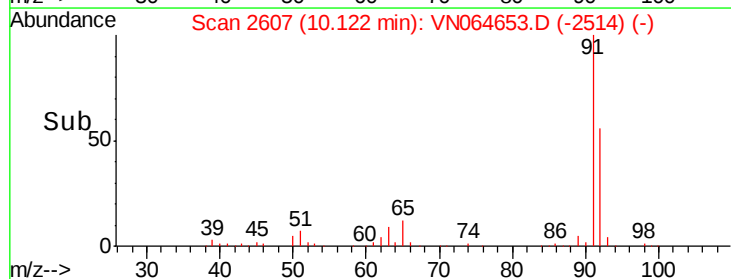
150000

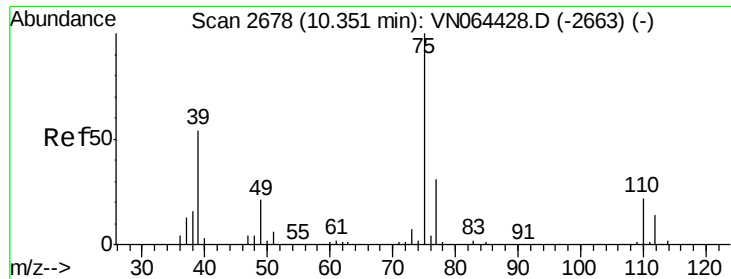
100000

50000

0

Time-->





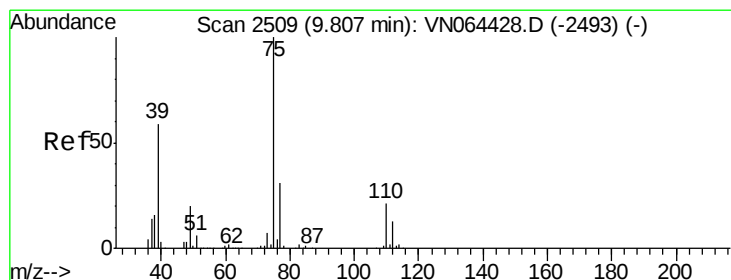
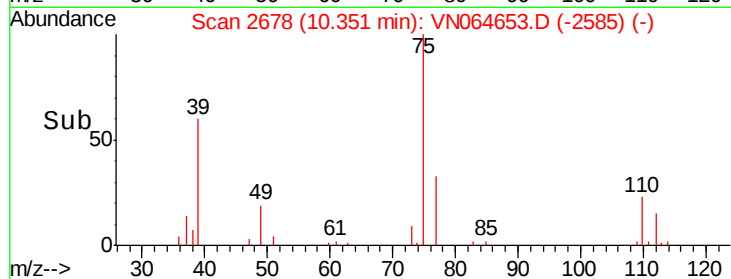
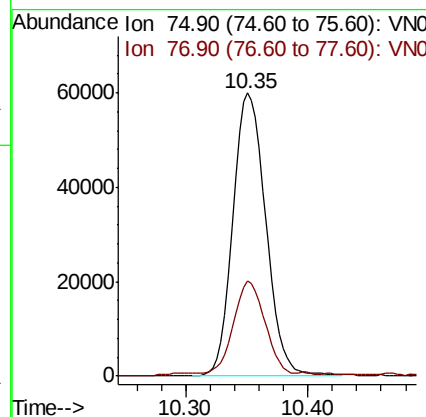
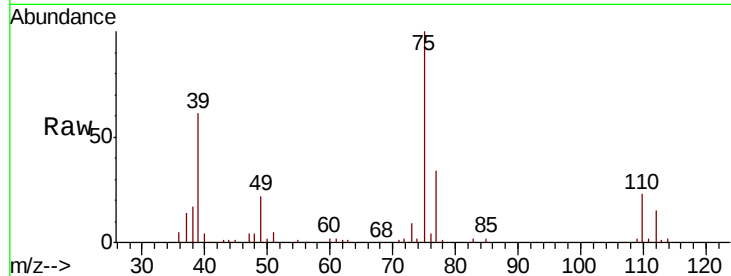
#53
t-1,3-Dichloropropene
Concen: 18.141 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN064653.D
Acq: 16 Nov 2020 11:14

Instrument :
MSVOA_N
ClientSampleId :
VN1116WBS01

Tot Ion: 75 Resp: 112737
Ion Ratio Lower Upper
75 100
77 32.8 24.8 37.2

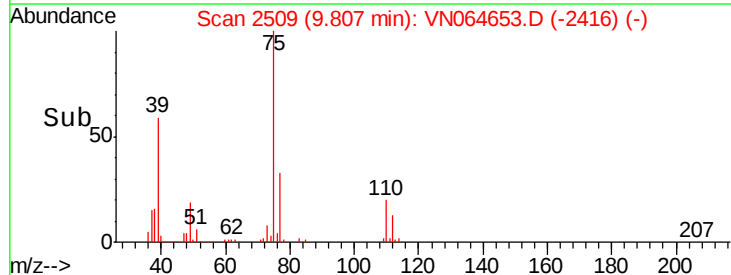
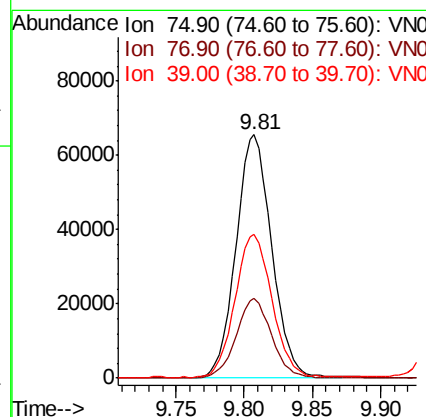
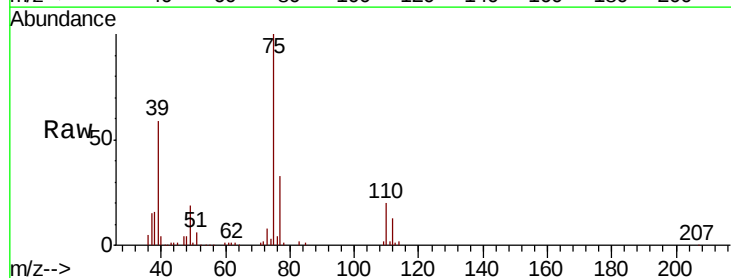
Manual Integrations
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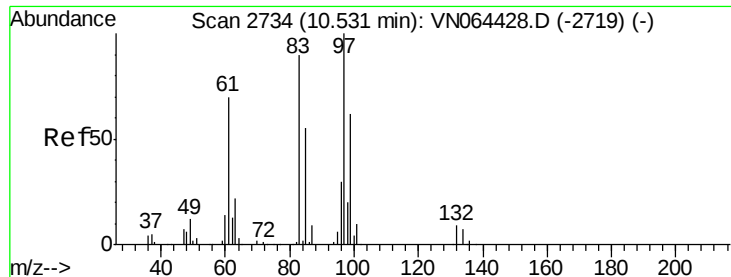
MMDadoda
11/19/2020 5:42:39 PM



#54
cis-1,3-Dichloropropene
Concen: 17.985 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN064653.D
Acq: 16 Nov 2020 11:14

Tgt Ion: 75 Resp: 119498
Ion Ratio Lower Upper
75 100
77 32.7 24.9 37.3
39 58.6 47.1 70.7





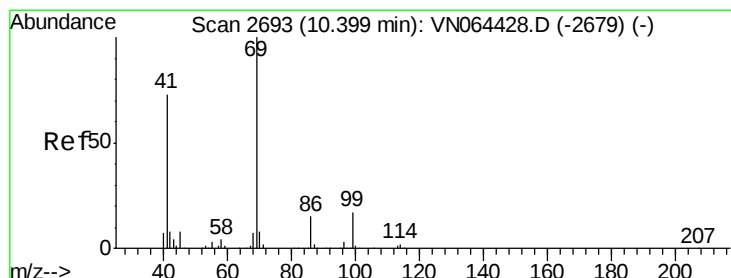
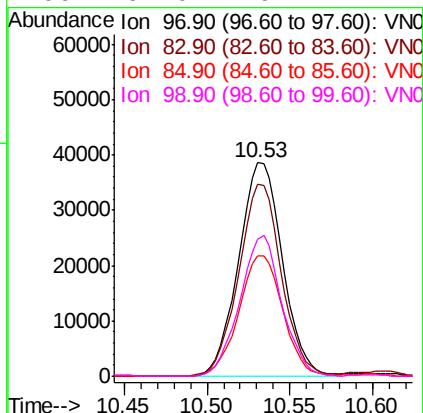
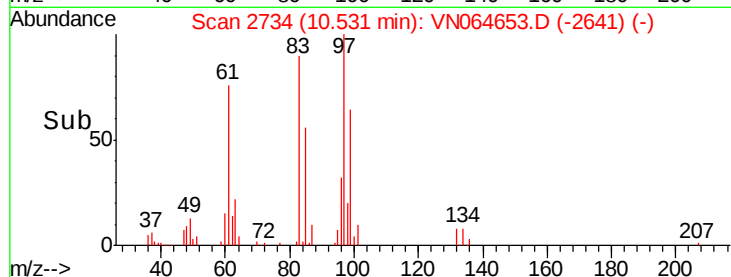
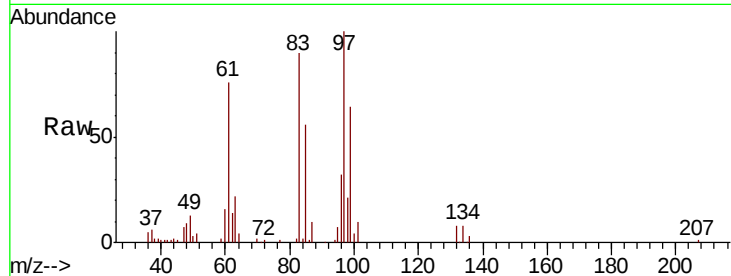
#55
 1,1,2-Trichloroethane
 Concen: 19.259 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN064653.D
 Acq: 16 Nov 2020 11:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBS01

Tot Ion:	97	Resp:	71101
Ion	Ratio	Lower	Upper
97	100		
83	90.0	71.7	107.5
85	56.3	44.3	66.5
99	64.0	49.4	74.2

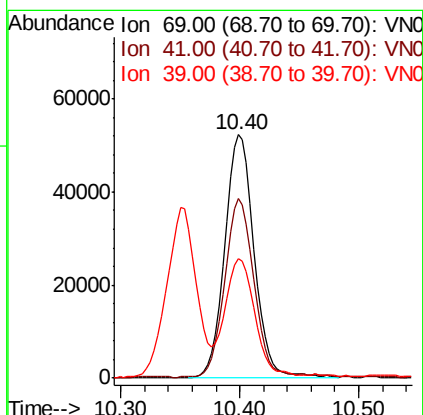
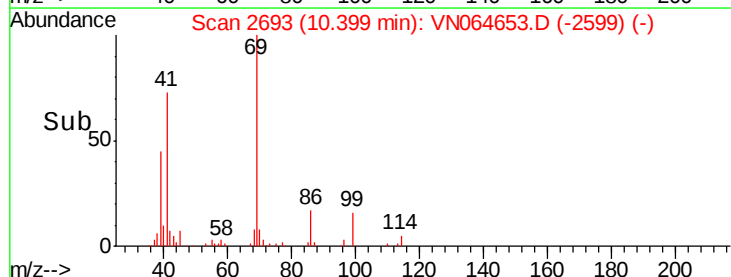
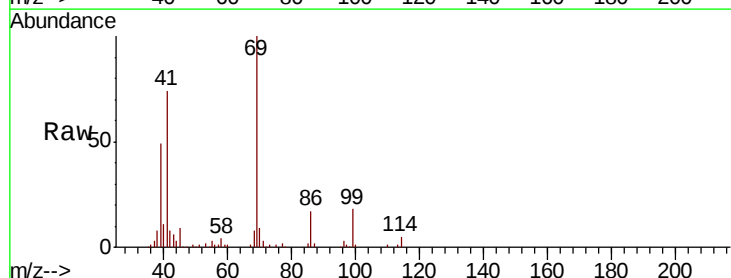
Manual Integrations
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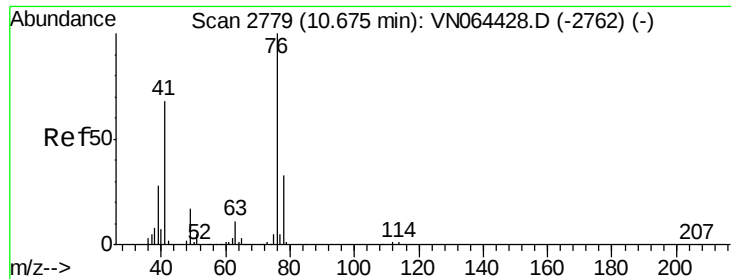
MMDadoda
 11/19/2020 5:42:39 PM



#56
 Ethyl methacrylate
 Concen: 16.044 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN064653.D
 Acq: 16 Nov 2020 11:14

Tgt Ion:	69	Resp:	89567
Ion	Ratio	Lower	Upper
69	100		
41	72.6	59.3	88.9
39	48.4	35.4	53.0





#57

1,3-Dichloropropane

Concen: 18.823 ug/l

RT: 10.68 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN064653.D

Acq: 16 Nov 2020 11:14

Instrument :

MSVOA_N

ClientSampleId :

VN1116WBS01

Tot Ion: 76 Resp: 121294

Ion Ratio Lower Upper

76 100

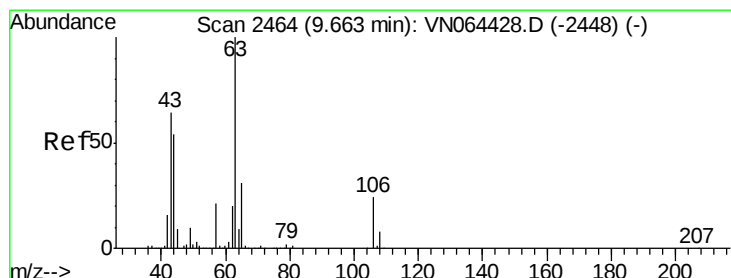
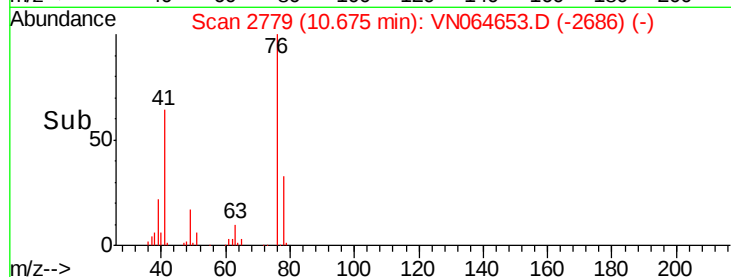
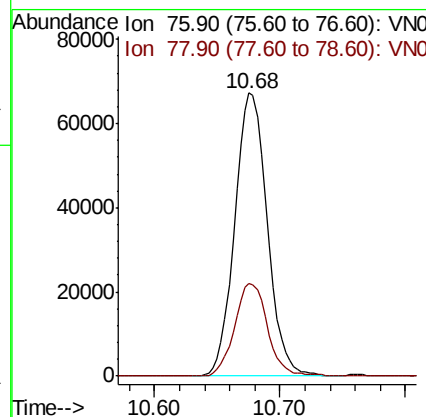
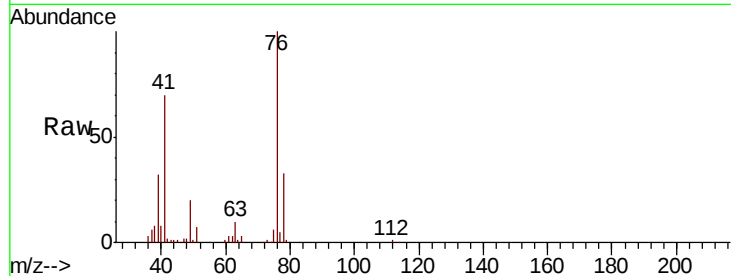
78 33.2 25.8 38.6

Manual Integrations

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MMDadoda

11/19/2020 5:42:39 PM



#58

2-Chloroethyl Vinyl ether

Concen: 97.243 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN064653.D

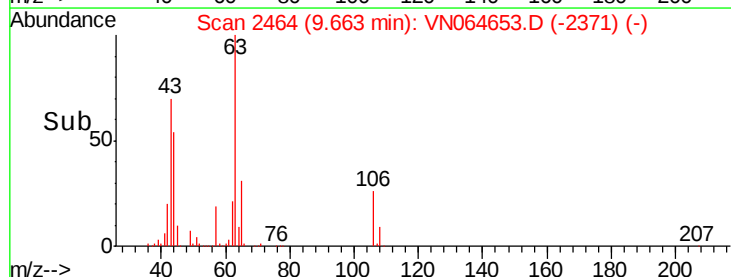
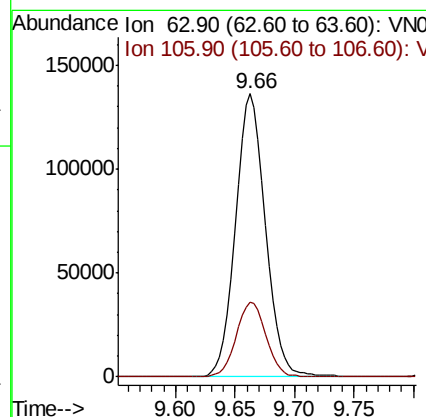
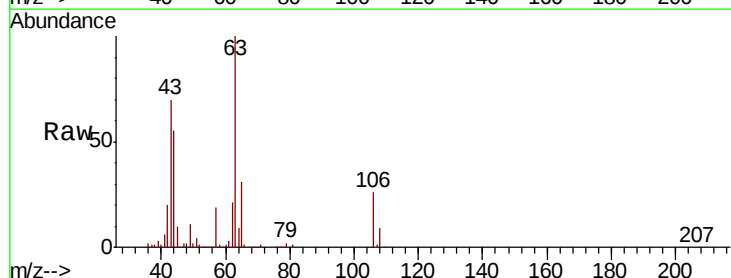
Acq: 16 Nov 2020 11:14

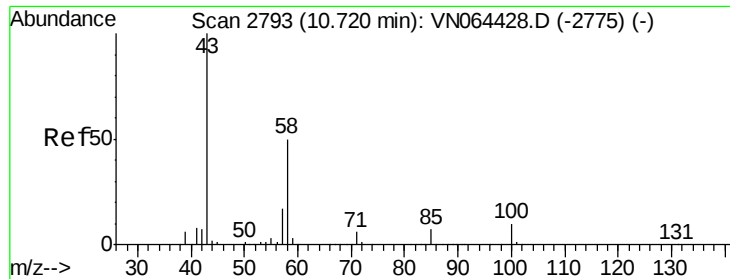
Tgt Ion: 63 Resp: 237764

Ion Ratio Lower Upper

63 100

106 26.2 19.5 29.3





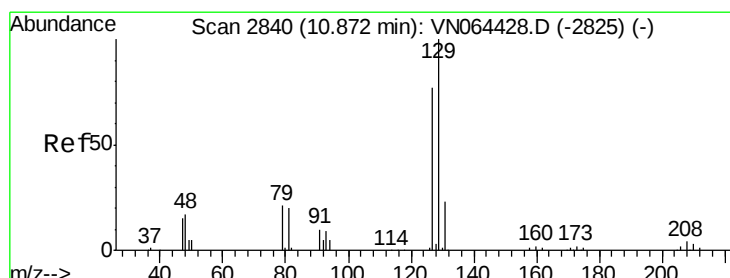
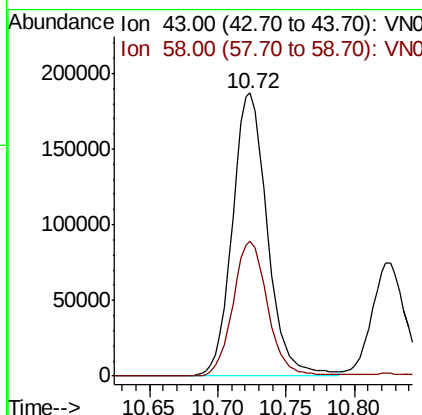
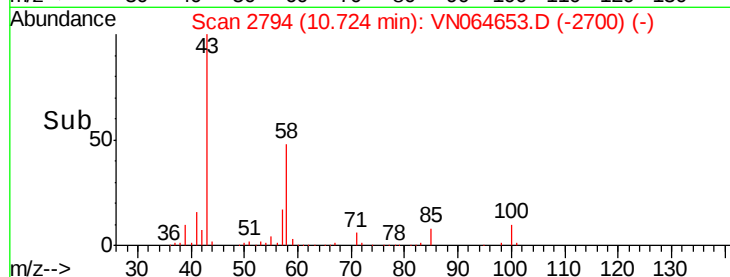
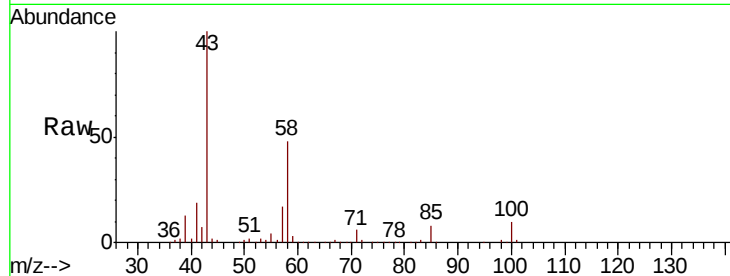
#59
2-Hexanone
Concen: 83.476 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064653.D
Acq: 16 Nov 2020 11:14

Instrument :
MSVOA_N
ClientSampleId :
VN1116WBS01

Tot Ion: 43 Resp: 328681
Ion Ratio Lower Upper
43 100
58 48.1 24.7 74.1

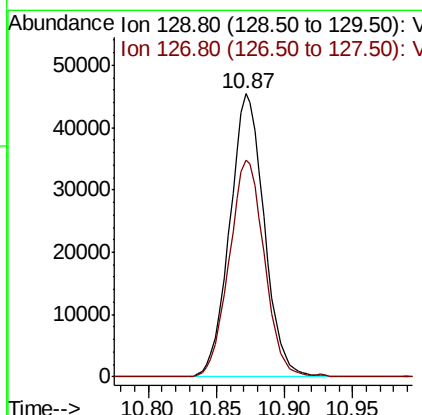
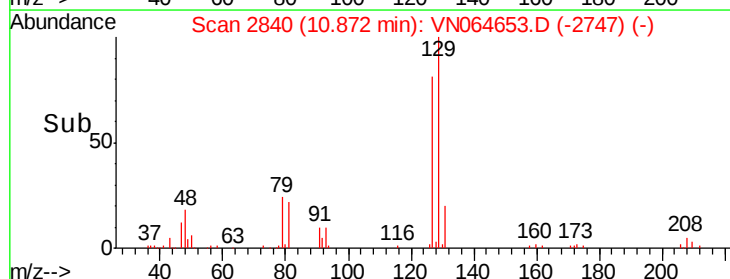
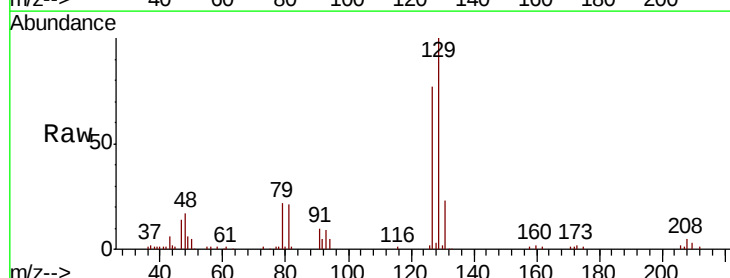
Manual Integrations
APPROVED

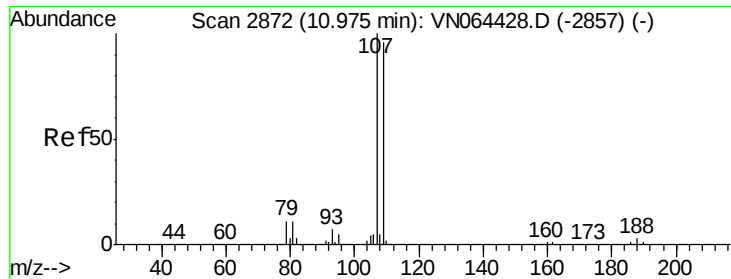
MMDadoda
11/19/2020 5:42:39 PM



#60
Dibromochloromethane
Concen: 19.269 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064653.D
Acq: 16 Nov 2020 11:14

Tgt Ion: 129 Resp: 79645
Ion Ratio Lower Upper
129 100
127 77.9 38.9 116.7





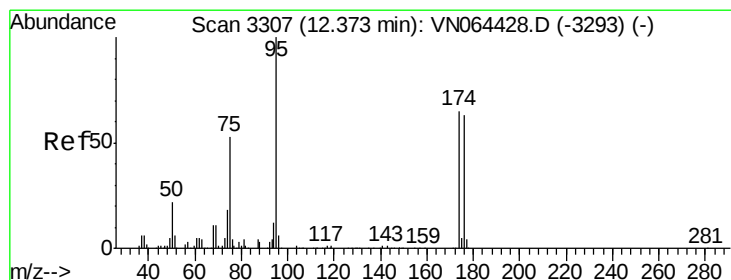
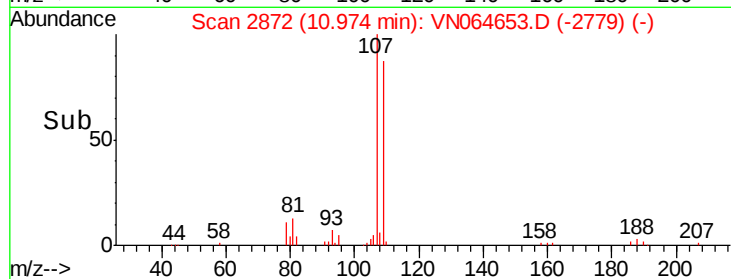
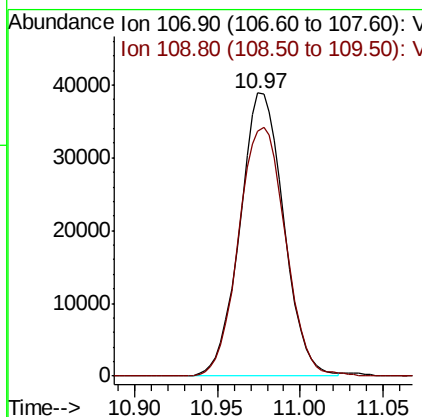
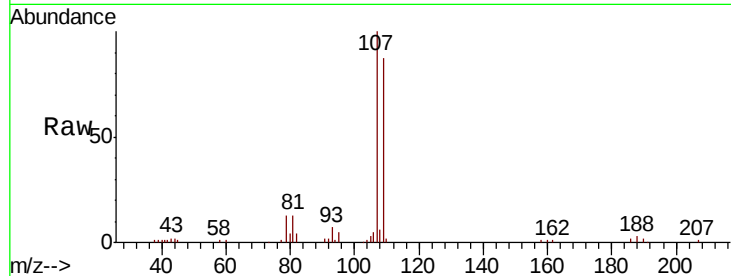
#61
 1,2-Dibromoethane
 Concen: 19.142 ug/l
 RT: 10.97 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN064653.D
 Acq: 16 Nov 2020 11:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.9	75.9	113.9

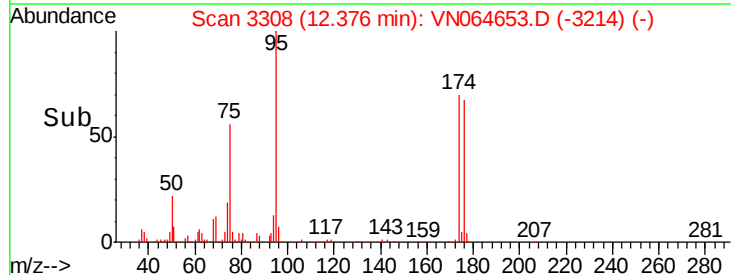
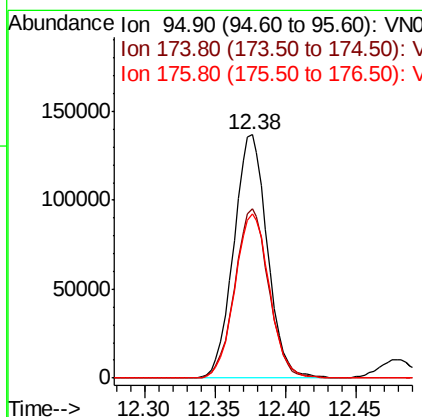
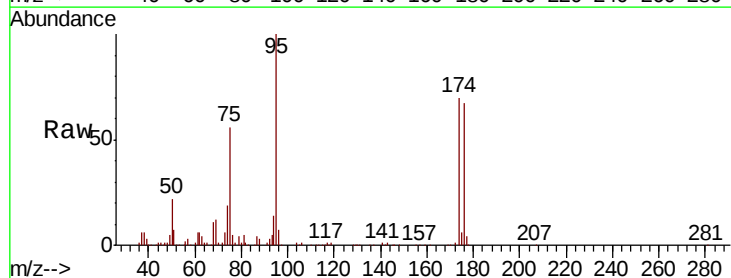
Manual Integrations
 APPROVED

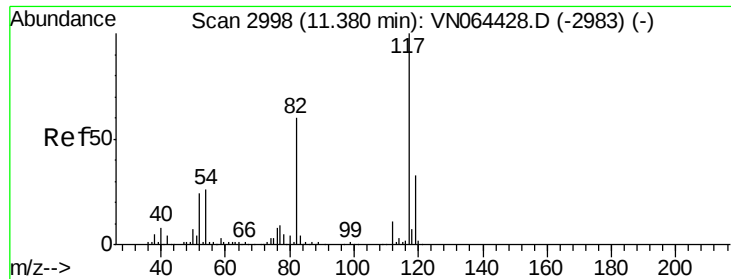
MMDadoda
 11/19/2020 5:42:39 PM



#62
 4-Bromofluorobenzene
 Concen: 45.969 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN064653.D
 Acq: 16 Nov 2020 11:14

Tgt Ion	Ratio	Lower	Upper
95	100		
174	70.6	0.0	132.6
176	69.5	0.0	129.2





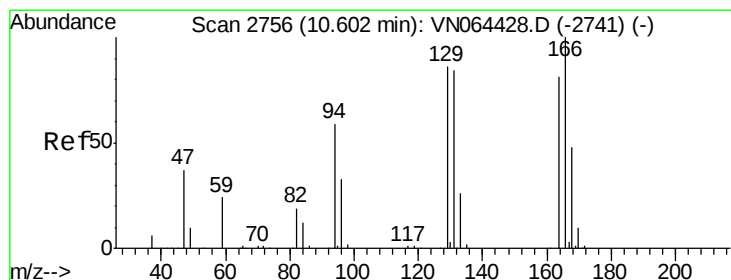
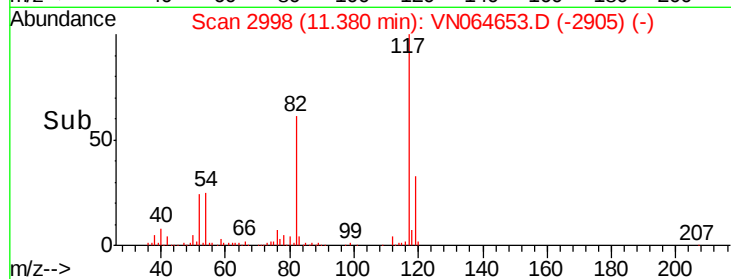
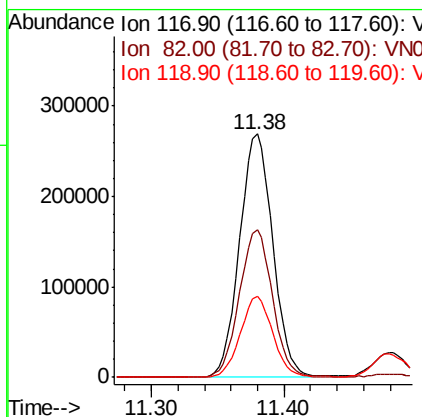
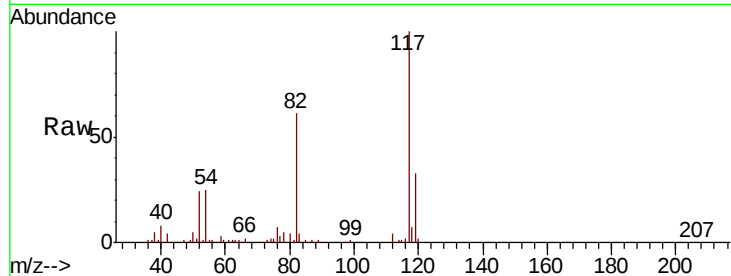
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064653.D
Acq: 16 Nov 2020 11:14

Instrument :
MSVOA_N
ClientSampleId :
VN1116WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.8	48.1	72.1
119	33.2	26.2	39.4

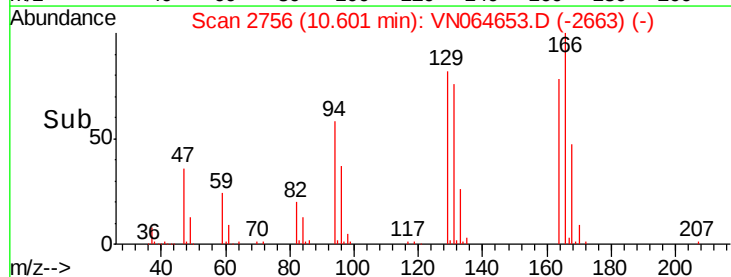
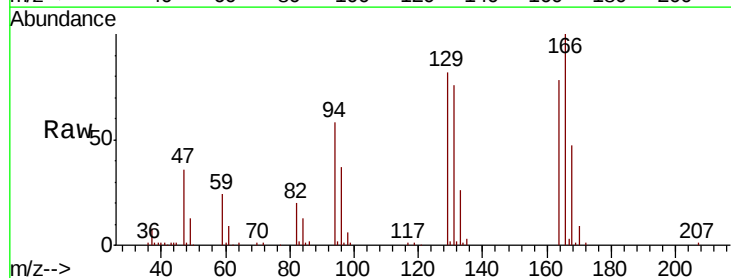
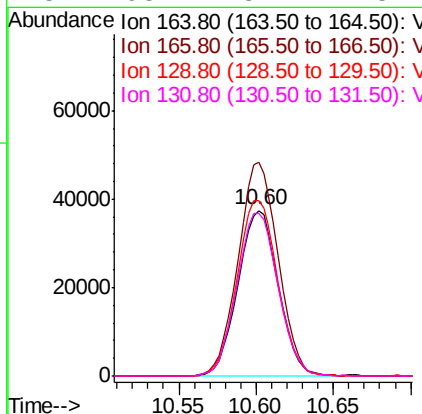
Manual Integrations
APPROVED

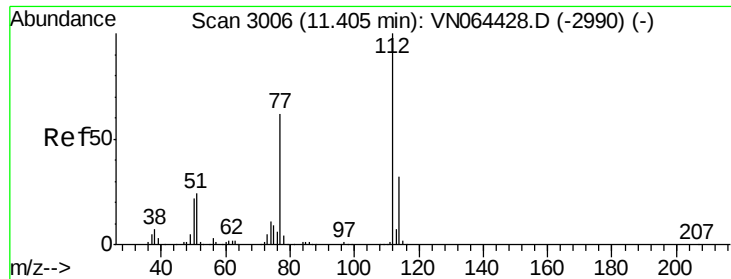
MMDadoda
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#64
Tetrachloroethene
Concen: 18.632 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN064653.D
Acq: 16 Nov 2020 11:14

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.0	98.2	147.2
129	105.8	84.6	127.0
131	98.2	82.2	123.2





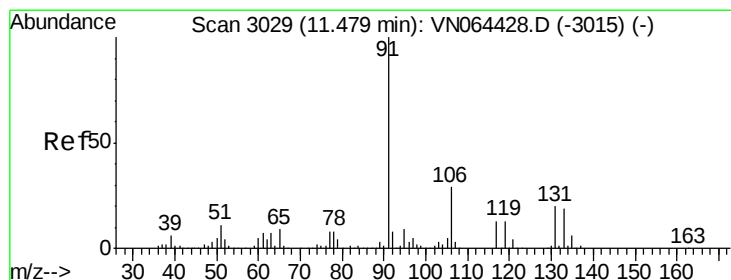
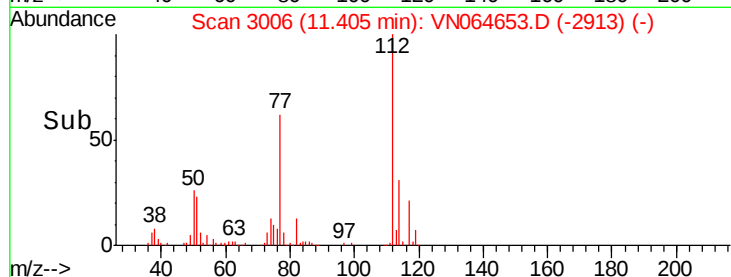
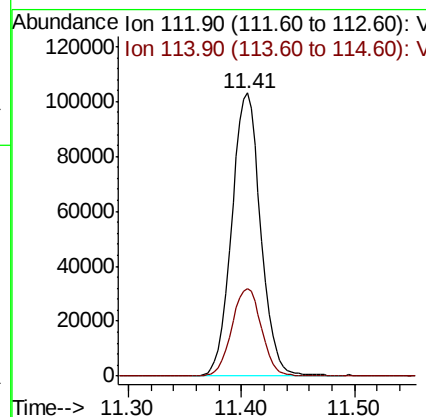
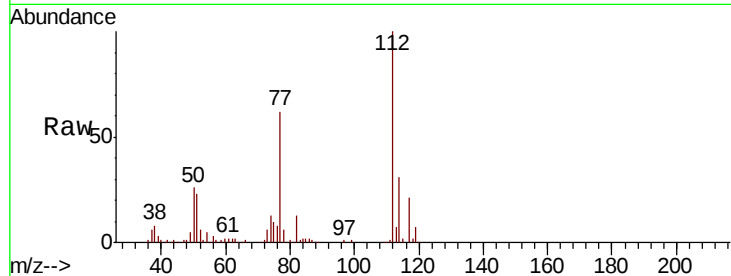
#65
Chlorobenzene
Concen: 17.829 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN064653.D
Acq: 16 Nov 2020 11:14

Instrument :
MSVOA_N
ClientSampleId :
VN1116WBS01

Tot Ion:112 Resp: 183708
Ion Ratio Lower Upper
112 100
114 31.1 25.6 38.4

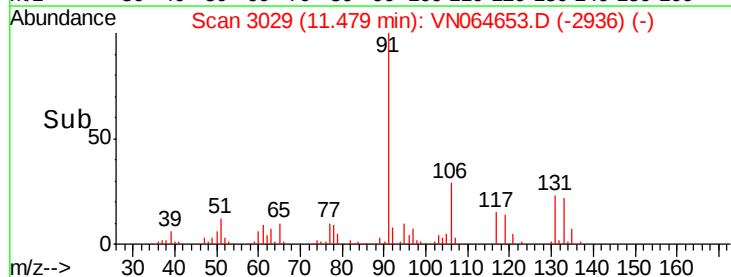
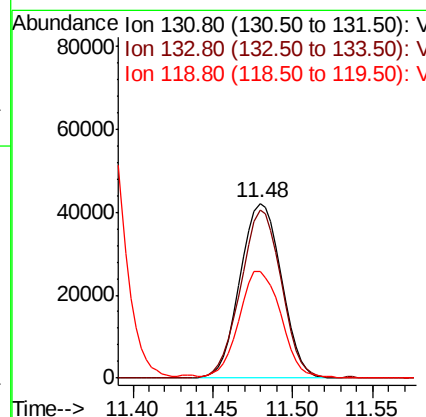
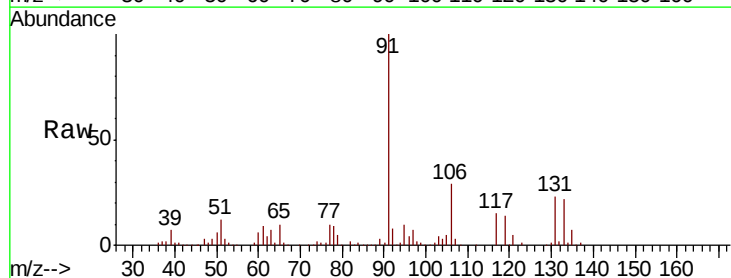
Manual Integrations
APPROVED

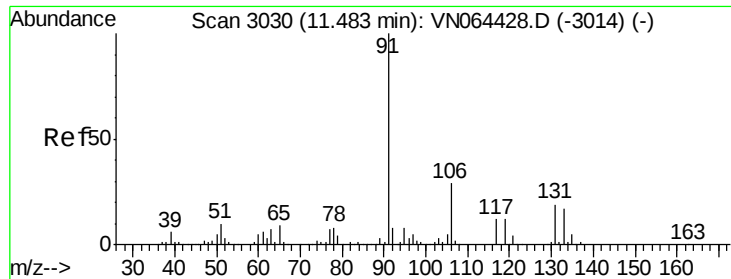
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.421 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN064653.D
Acq: 16 Nov 2020 11:14

Tgt Ion:131 Resp: 74654
Ion Ratio Lower Upper
131 100
133 94.2 46.9 140.7
119 62.3 32.1 96.5





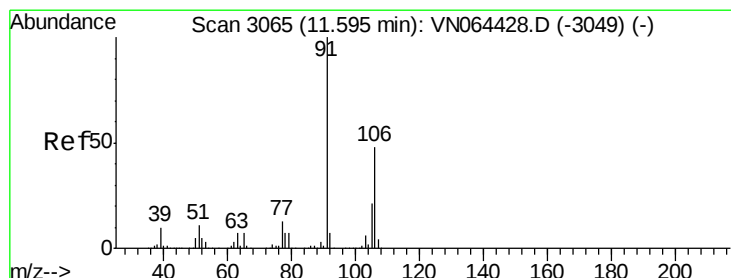
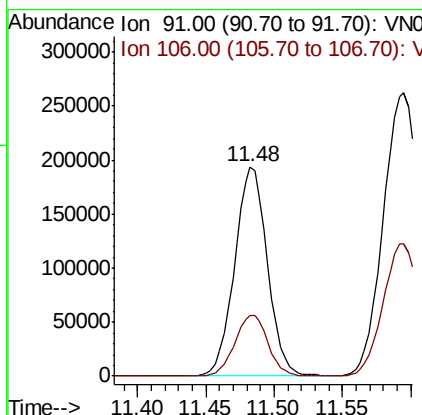
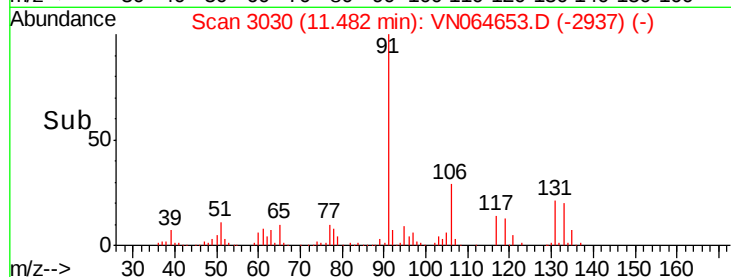
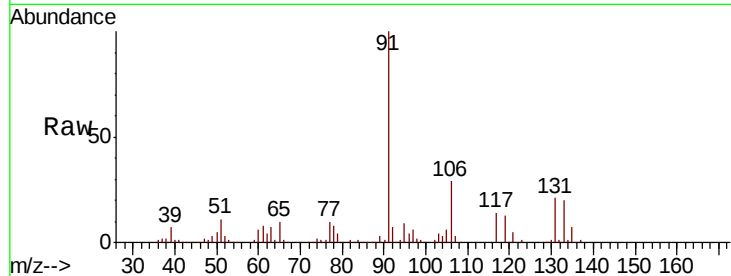
#67
Ethyl Benzene
Concen: 17.560 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN064653.D
Acq: 16 Nov 2020 11:14

Instrument :
MSVOA_N
ClientSampleId :
VN1116WBS01

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
106	29.2	23.6	35.4	

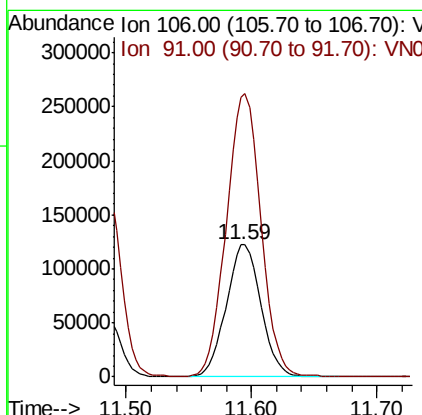
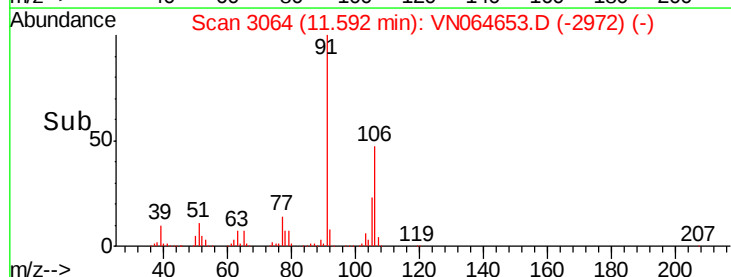
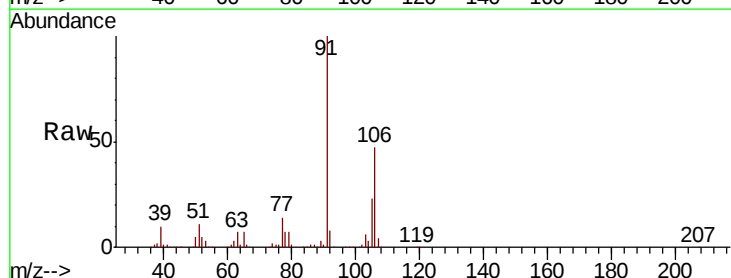
Manual Integrations
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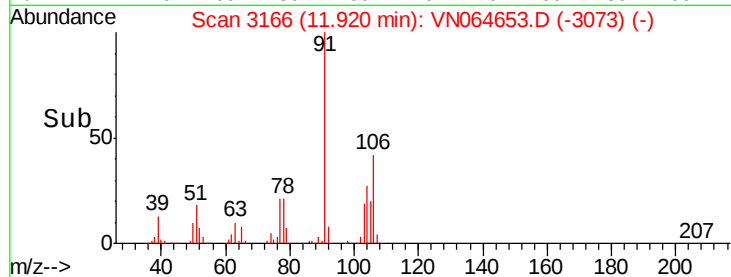
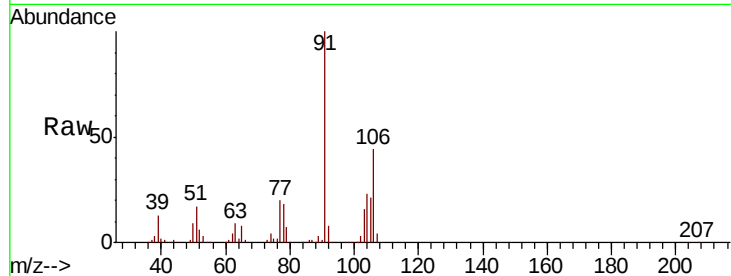
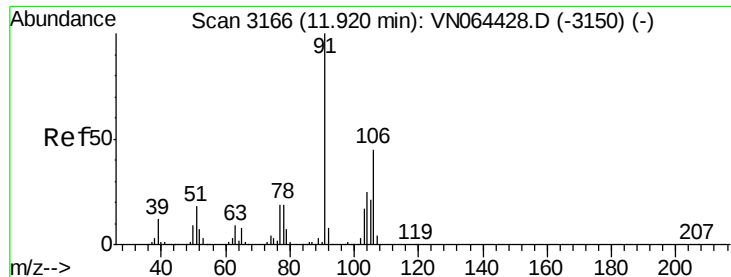
MMDadoda
11/19/2020 5:42:39 PM



#68
m/p-Xylenes
Concen: 35.228 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN064653.D
Acq: 16 Nov 2020 11:14

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	212.9	169.4	254.2	





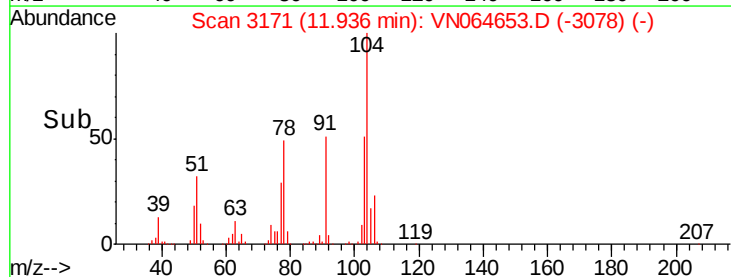
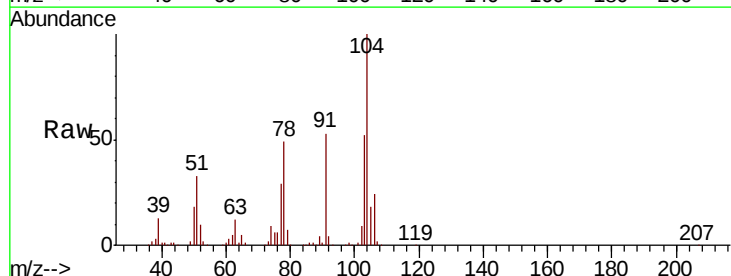
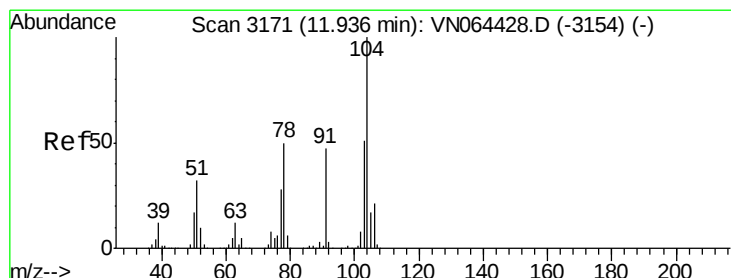
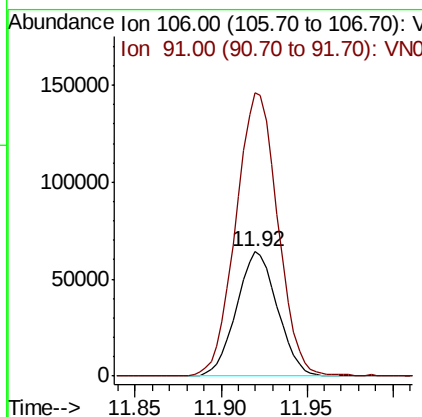
#69
o-Xylene
Concen: 16.528 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN064653.D
Acq: 16 Nov 2020 11:14

Tot Ion	Ratio	Lower	Upper
106	100		
91	233.3	111.7	334.9

Instrument :
MSVOA_N
ClientSampleId :
VN1116WBS01

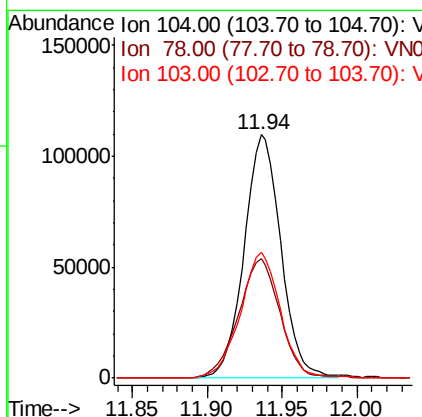
Manual Integrations
APPROVED

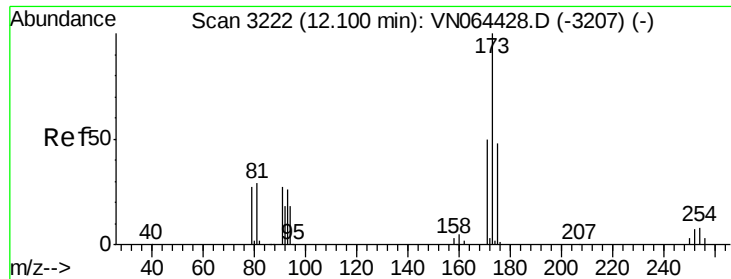
MMDadoda
11/19/2020 5:42:39 PM



#70
Styrene
Concen: 17.386 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064653.D
Acq: 16 Nov 2020 11:14

Tgt Ion	Ratio	Lower	Upper
104	100		
78	55.6	44.0	66.0
103	55.9	43.8	65.6





#71

Bromoform

Concen: 18.944 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN064653.D

Acq: 16 Nov 2020 11:14

Instrument :

MSVOA_N

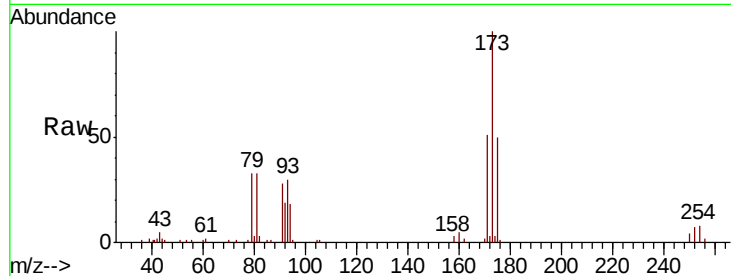
ClientSampleId :

VN1116WBS01

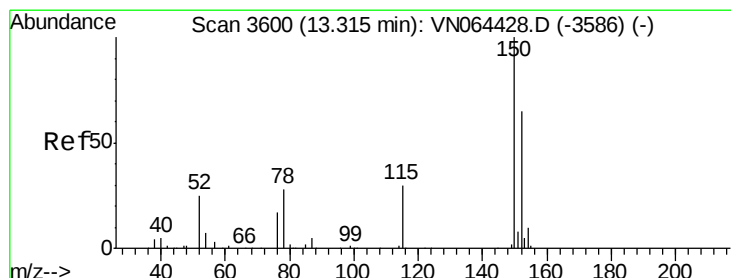
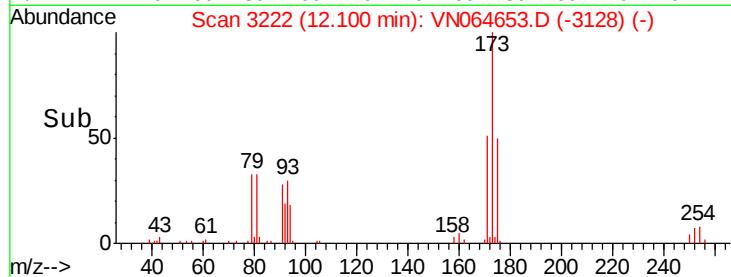
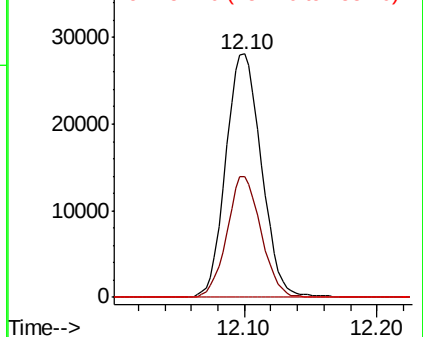
Tot Ion:173 Resp: 52334
 Ion Ratio Lower Upper
 173 100
 175 47.3 23.7 71.1
 254 0.0 0.0 0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

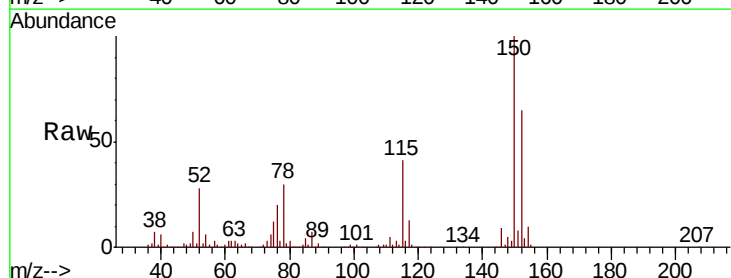
RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

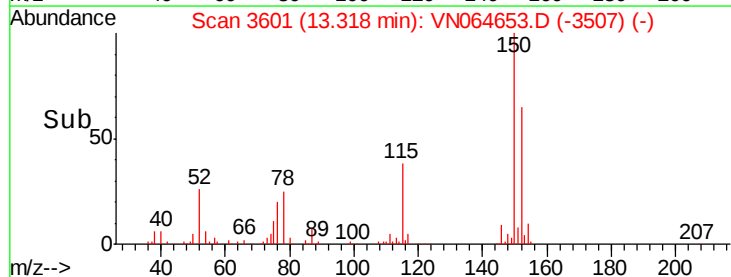
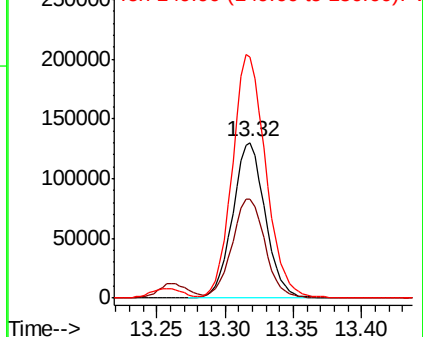
Lab File: VN064653.D

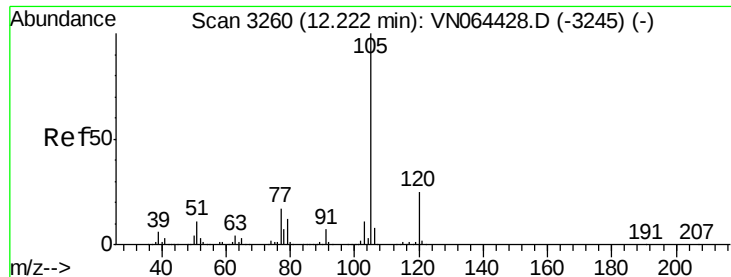
Acq: 16 Nov 2020 11:14

Tgt Ion:152 Resp: 215457
 Ion Ratio Lower Upper
 152 100
 115 64.5 32.0 96.0
 150 160.4 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: 16.945 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN064653.D

Acq: 16 Nov 2020 11:14

Instrument :

MSVOA_N

ClientSampleId :

VN1116WBS01

Tot Ion: 105 Resp: 290183

Ion Ratio Lower Upper

105 100

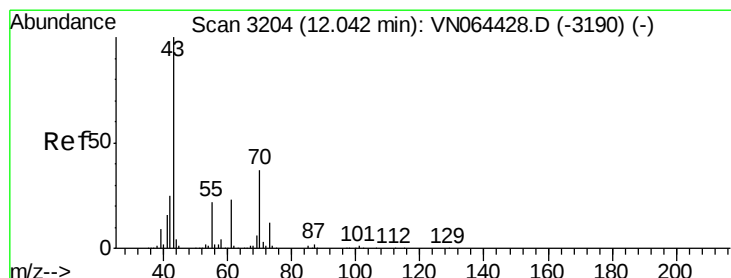
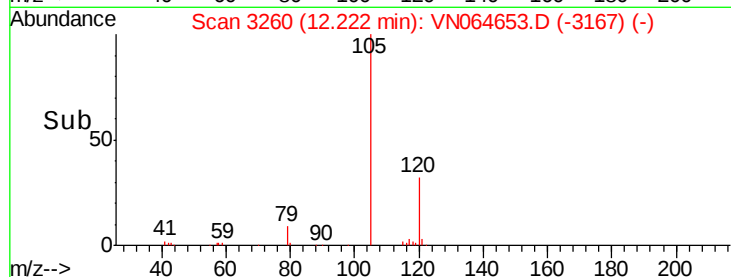
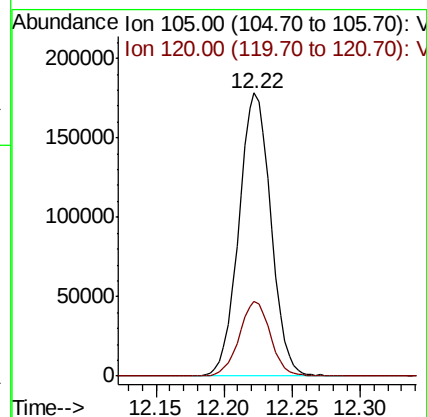
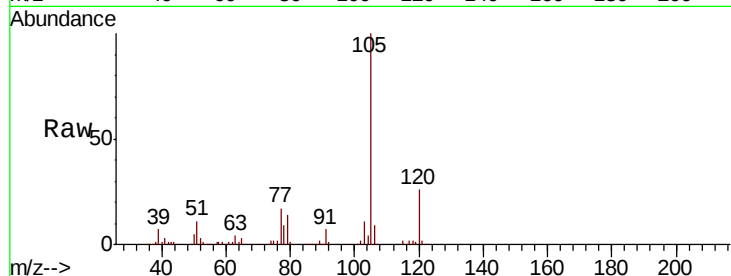
120 25.7 12.8 38.3

Manual Integrations

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11/19/2020 5:42:39 PM



#74

N-ethyl acetate

Concen: 15.614 ug/l

RT: 12.04 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VN064653.D

Acq: 16 Nov 2020 11:14

Tgt Ion: 43 Resp: 122575

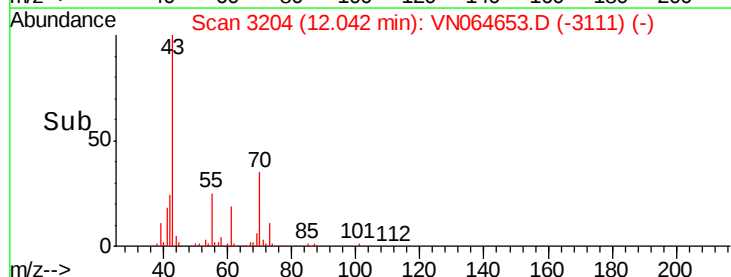
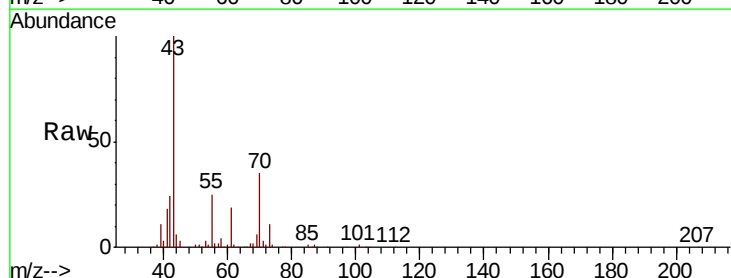
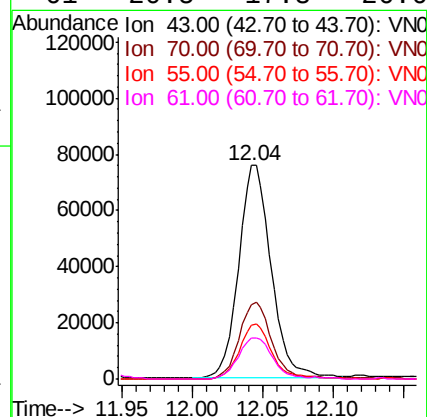
Ion Ratio Lower Upper

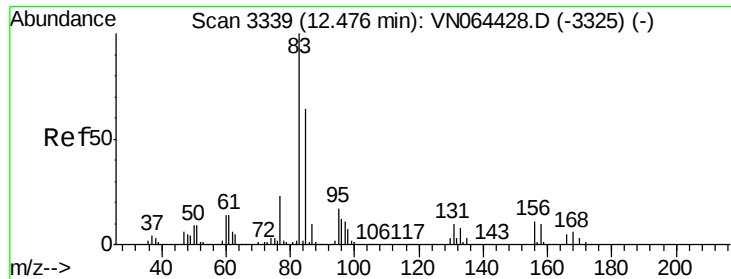
43 100

70 36.0 29.6 44.4

55 25.9 18.4 27.6

61 20.5 17.8 26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 18.731 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064653.D

Acq: 16 Nov 2020 11:14

Instrument :

MSVOA_N

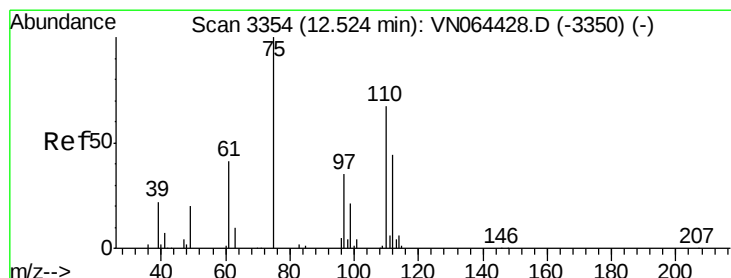
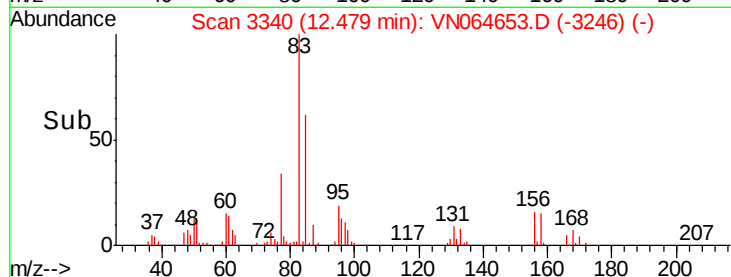
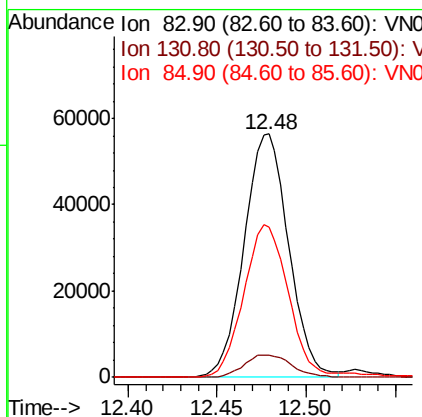
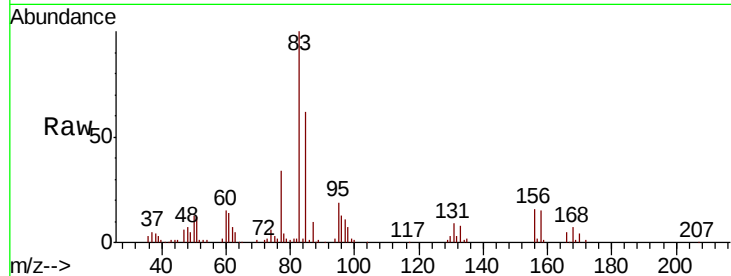
ClientSampleId :

VN1116WBS01

Tot Ion:	83	Resp:	98524
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.9	14.7
85	62.3	32.1	96.5

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#76

1,2,3-Trichloropropane

Concen: 17.564 ug/l m

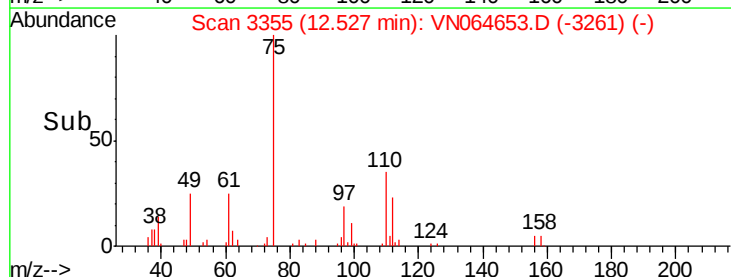
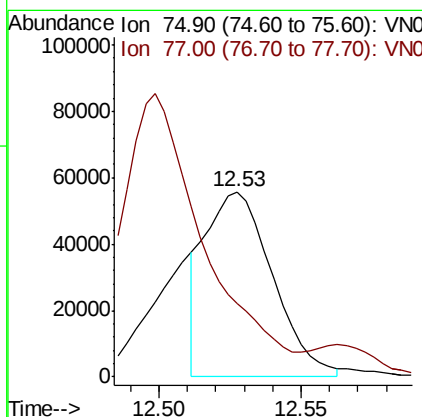
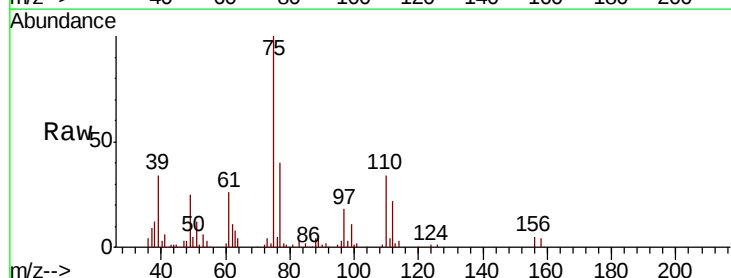
RT: 12.53 min Scan# 3355

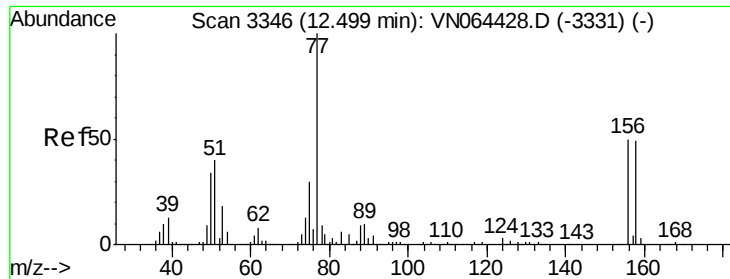
Delta R.T. 0.00 min

Lab File: VN064653.D

Acq: 16 Nov 2020 11:14

Tgt Ion:	75	Resp:	91688
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.329 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN064653.D

Acq: 16 Nov 2020 11:14

Instrument :

MSVOA_N

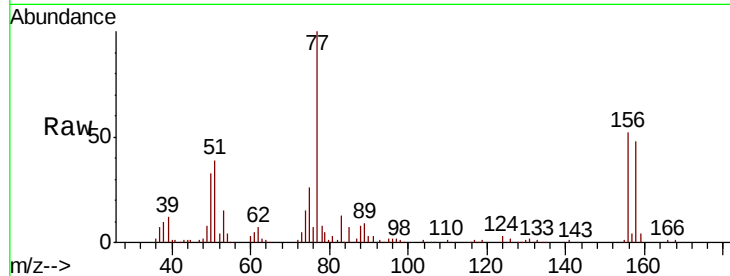
ClientSampleId :

VN1116WBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	229.8	119.0	357.0	
158	91.4	48.4	145.3	

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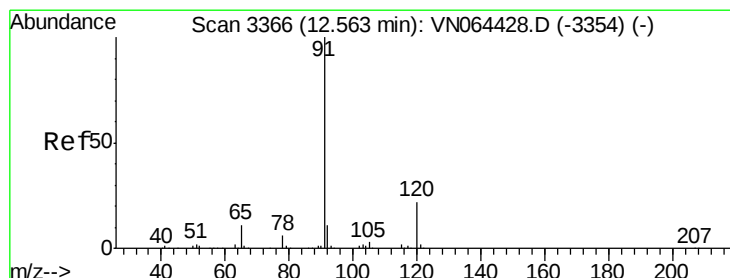
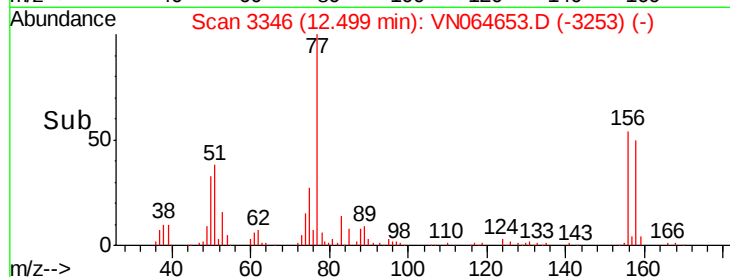
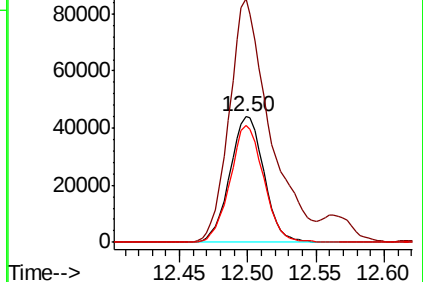
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 17.434 ug/l

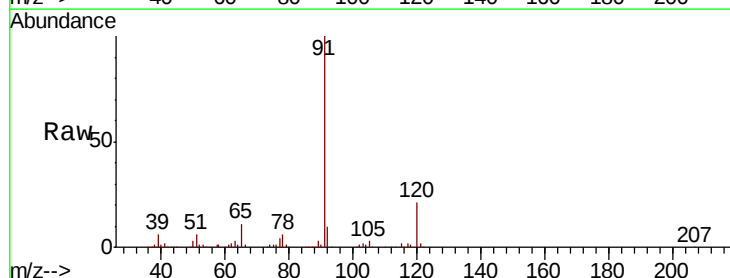
RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064653.D

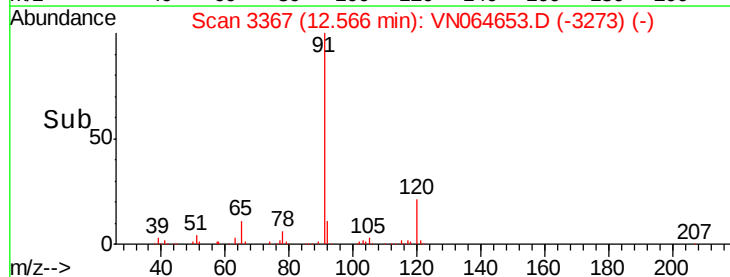
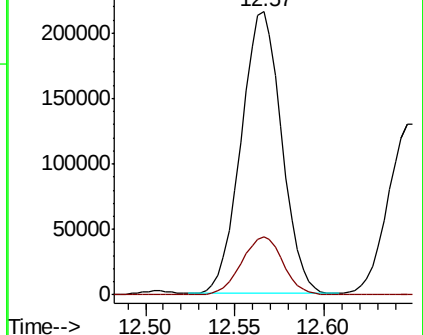
Acq: 16 Nov 2020 11:14

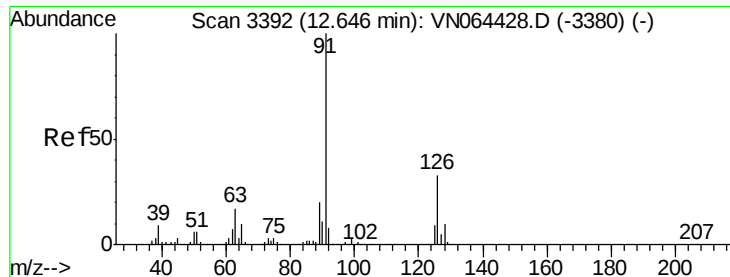
Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.2	11.0	33.0	



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.350 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064653.D

Acq: 16 Nov 2020 11:14

Instrument :

MSVOA_N

ClientSampleId :

VN1116WBS01

Tot Ion: 91 Resp: 214849

Ion Ratio Lower Upper

91 100

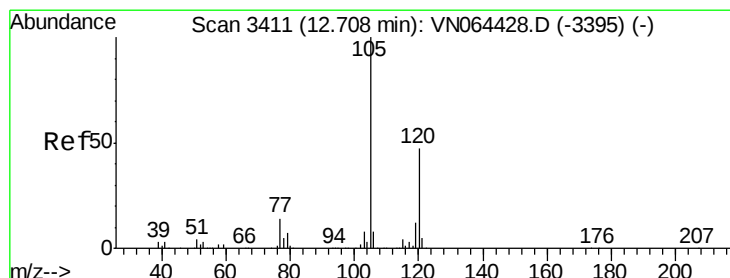
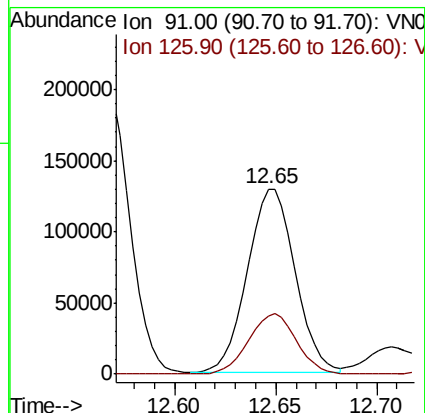
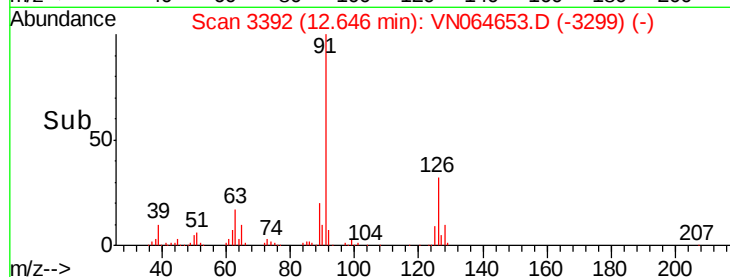
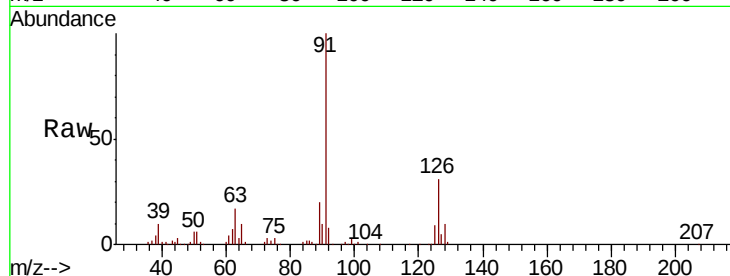
126 32.8 16.4 49.1

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#80

1,3,5-Trimethylbenzene

Concen: 17.511 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN064653.D

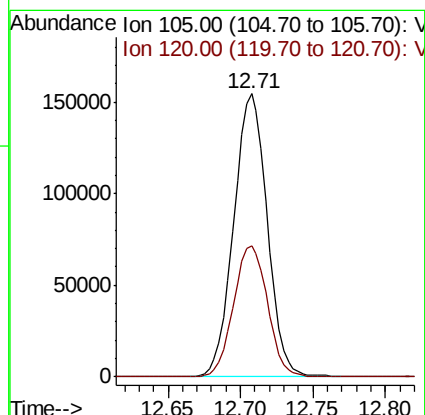
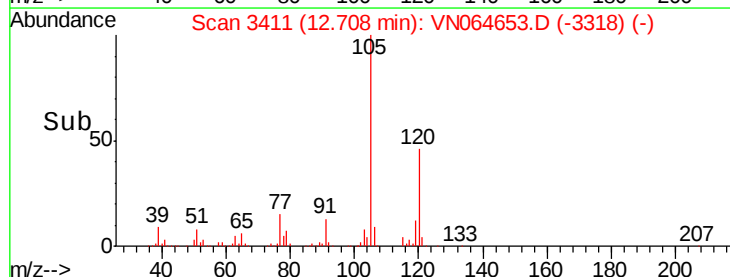
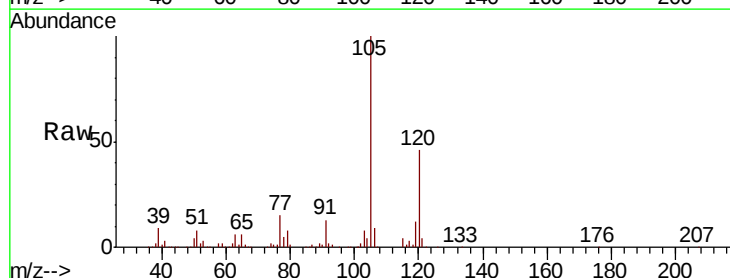
Acq: 16 Nov 2020 11:14

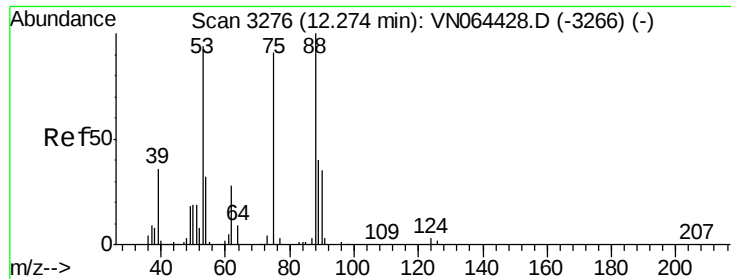
Tgt Ion: 105 Resp: 247393

Ion Ratio Lower Upper

105 100

120 47.1 23.4 70.2





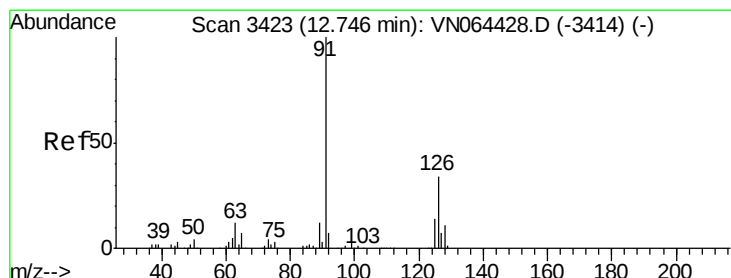
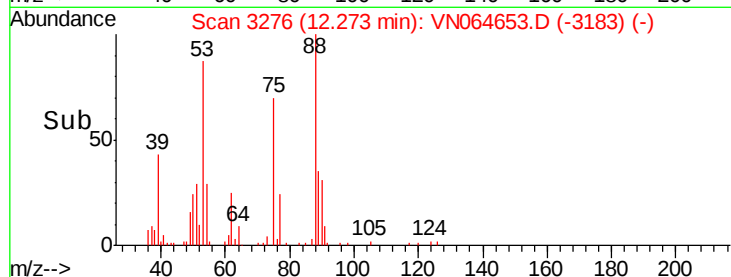
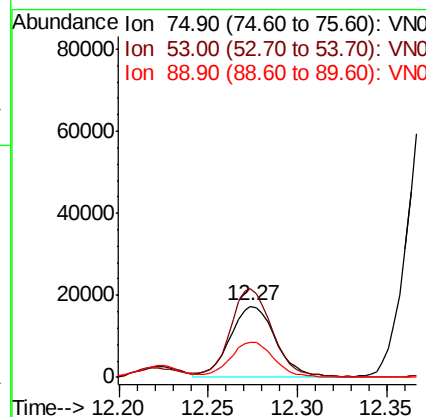
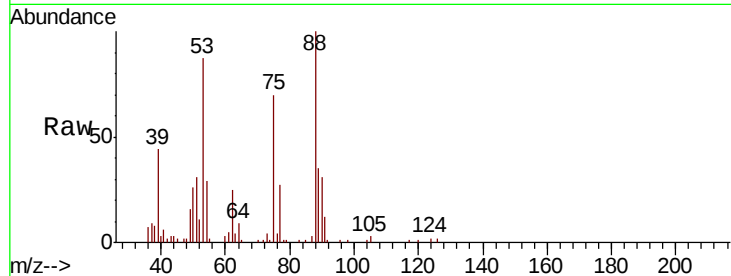
#81
trans-1,4-Dichloro-2-butene
Concen: 16.167 ug/l
RT: 12.27 min Scan# 3276
Delta R.T. -0.00 min
Lab File: VN064653.D
Acq: 16 Nov 2020 11:14

Instrument :
MSVOA_N
ClientSampleId :
VN1116WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	117.9	84.0	126.0
89	48.7	36.3	54.5

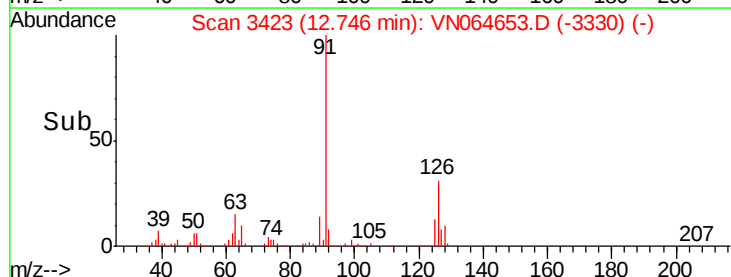
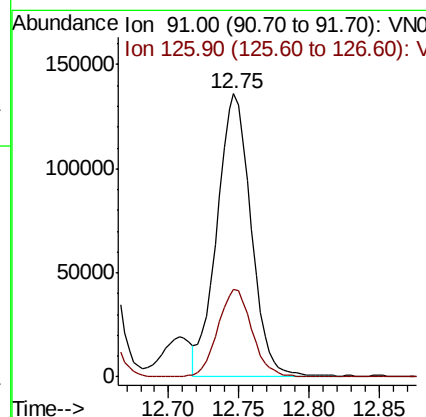
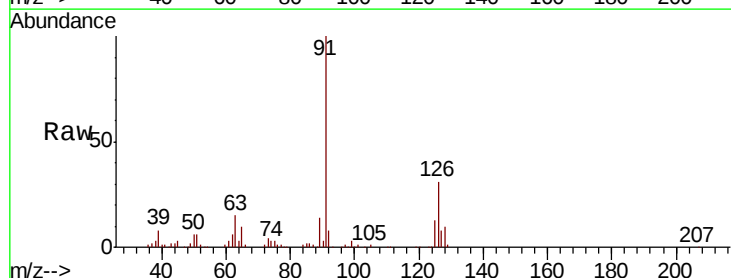
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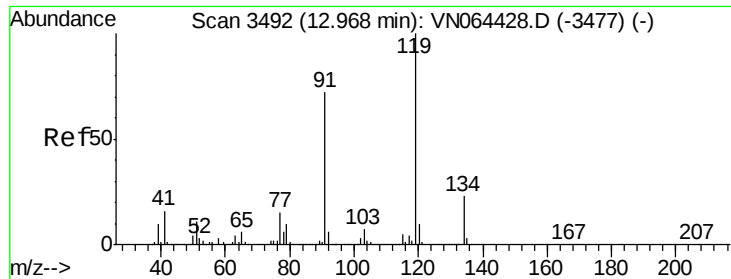
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#82
4-Chlorotoluene
Concen: 17.444 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. -0.00 min
Lab File: VN064653.D
Acq: 16 Nov 2020 11:14

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.1	15.4	46.2





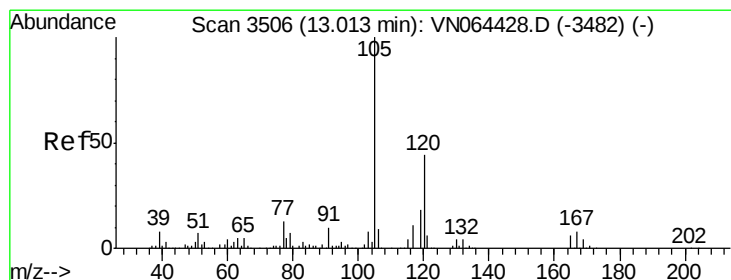
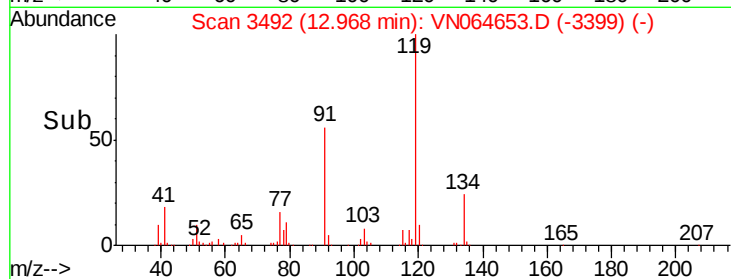
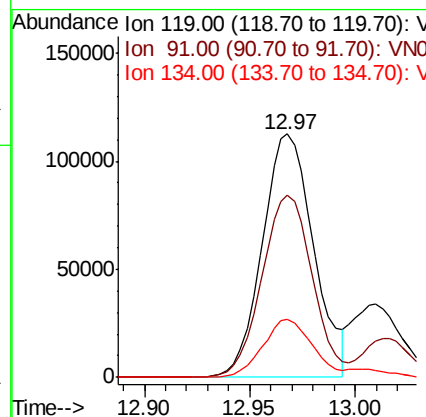
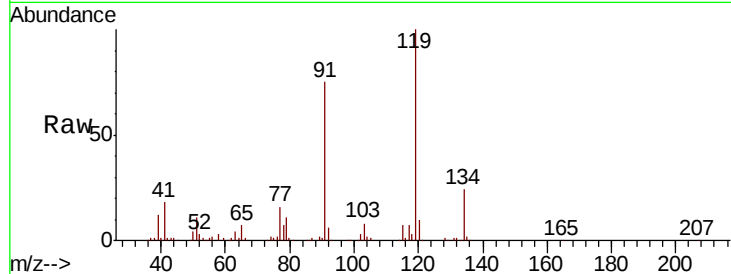
#83
tert-Butylbenzene
Concen: 17.254 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. -0.00 min
Lab File: VN064653.D
Acq: 16 Nov 2020 11:14

Instrument :
MSVOA_N
ClientSampleId :
VN1116WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	190386		
91	73.5	36.1	108.3	
134	22.9	11.7	35.1	

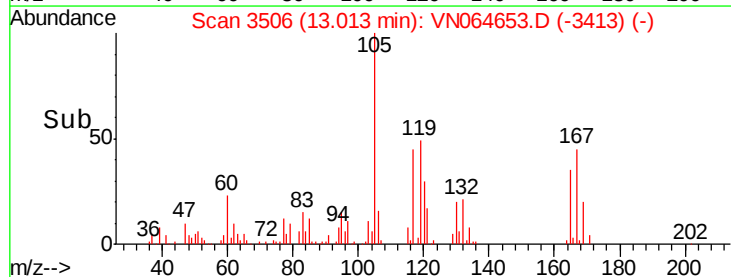
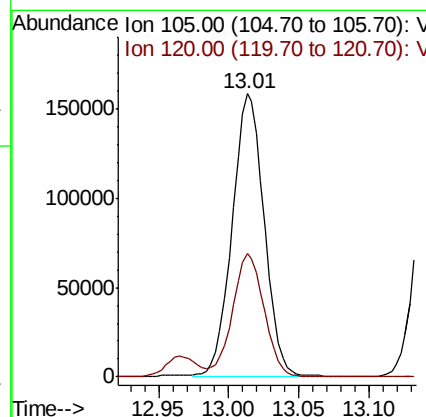
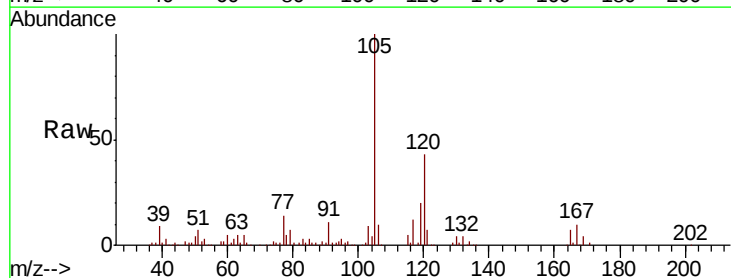
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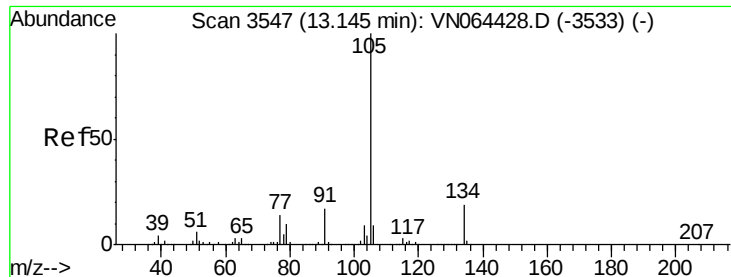
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#84
1,2,4-Trimethylbenzene
Concen: 17.618 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN064653.D
Acq: 16 Nov 2020 11:14

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	250215		
120	43.1	21.9	65.7	





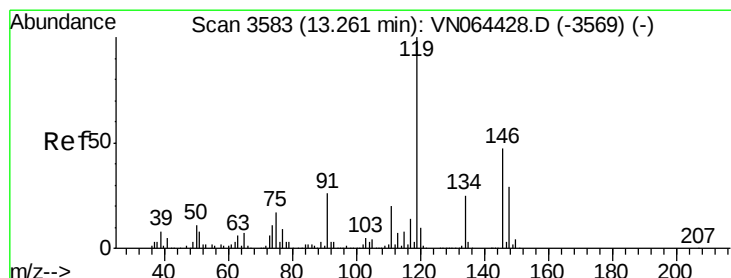
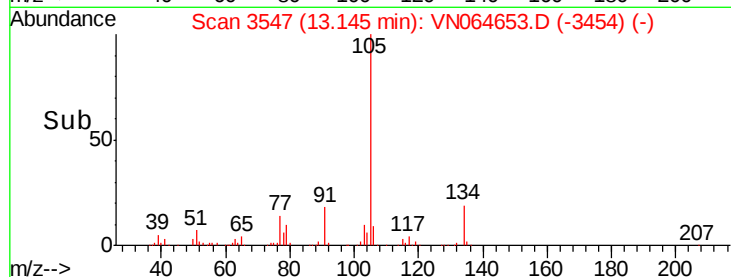
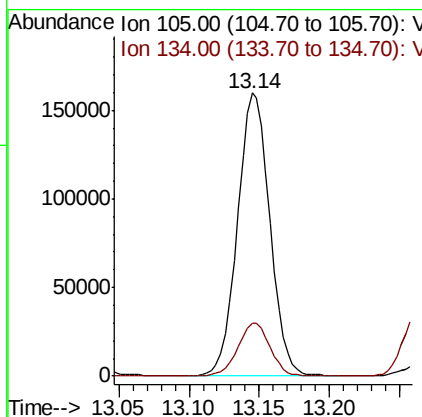
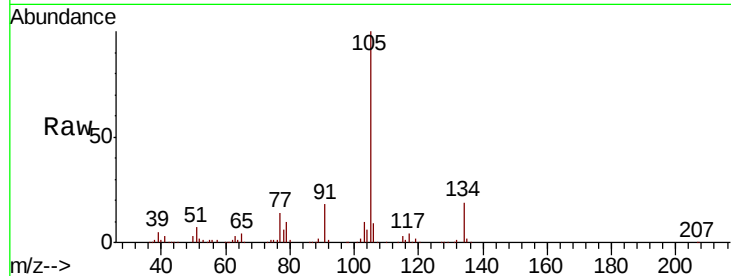
#85
 sec-Butylbenzene
 Concen: 18.242 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN064653.D
 Acq: 16 Nov 2020 11:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	254917		
134	18.7	9.4	28.2	

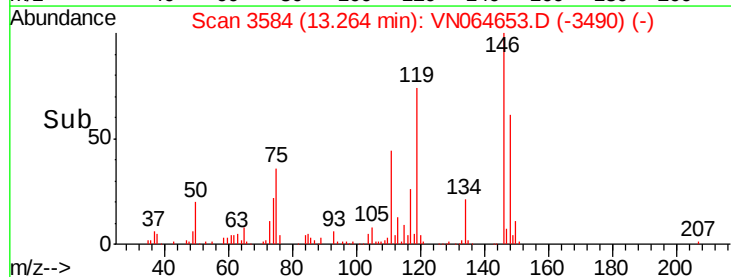
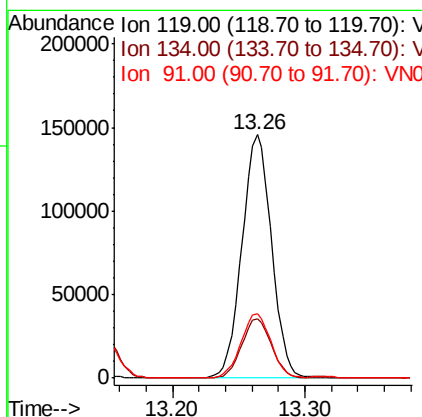
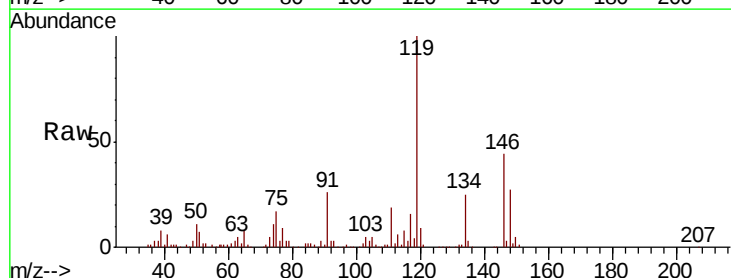
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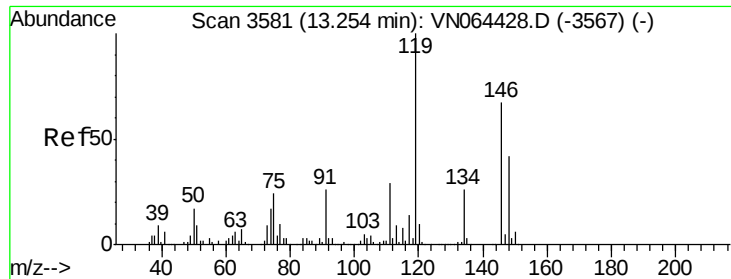
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#86
 p-Isopropyltoluene
 Concen: 18.005 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN064653.D
 Acq: 16 Nov 2020 11:14

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	226320		
134	24.6	12.6	37.6	
91	26.5	12.8	38.3	





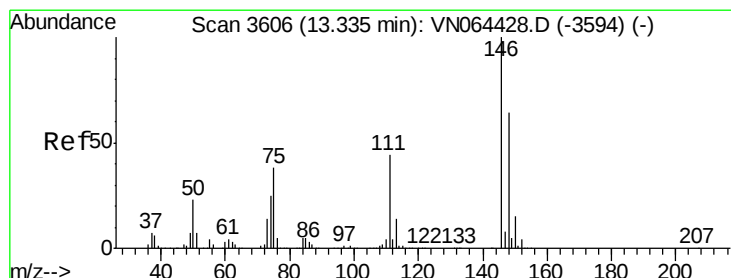
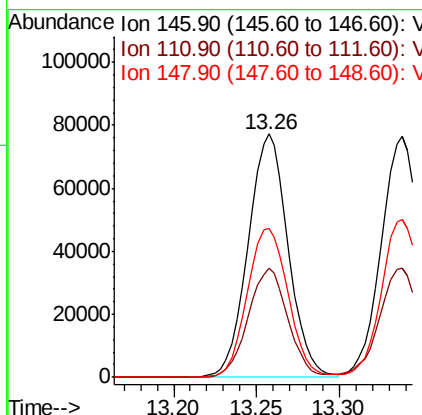
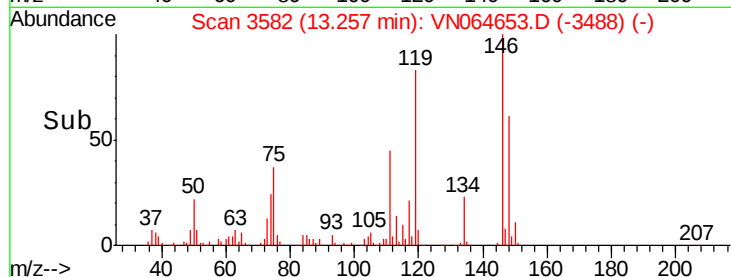
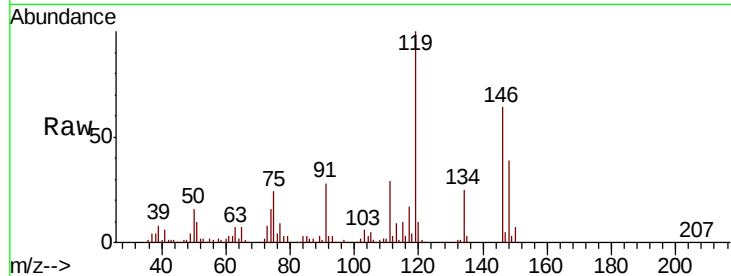
#87
 1,3-Dichlorobenzene
 Concen: 17.958 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064653.D
 Acq: 16 Nov 2020 11:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.7	22.1	66.1
148	62.8	31.7	95.1

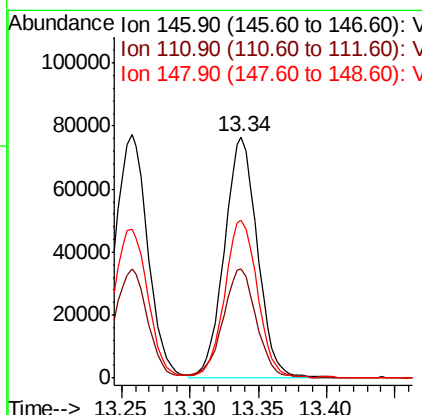
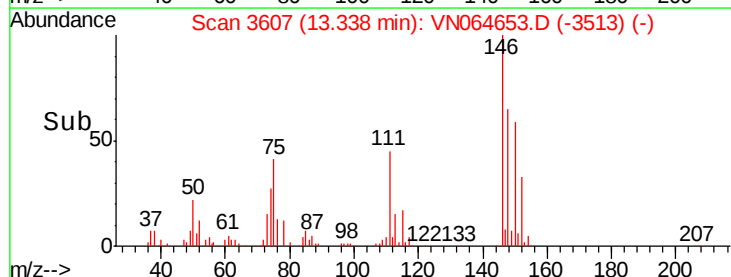
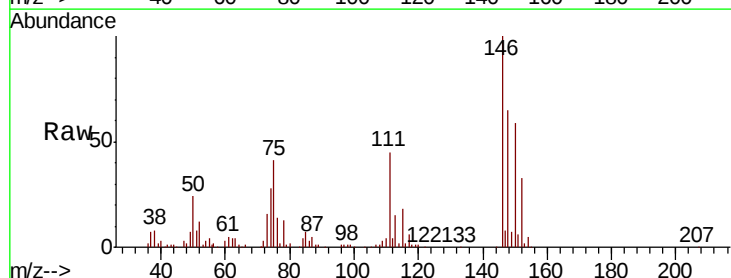
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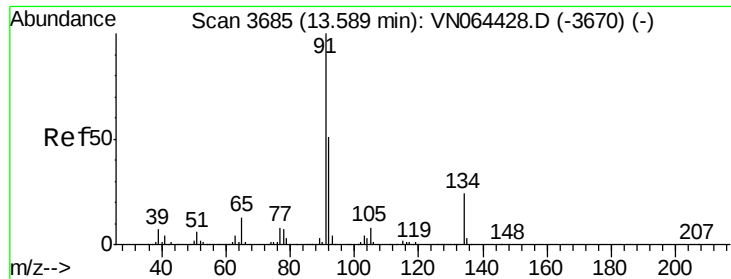
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#88
 1,4-Dichlorobenzene
 Concen: 17.158 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064653.D
 Acq: 16 Nov 2020 11:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.7	21.8	65.3
148	65.0	32.4	97.2





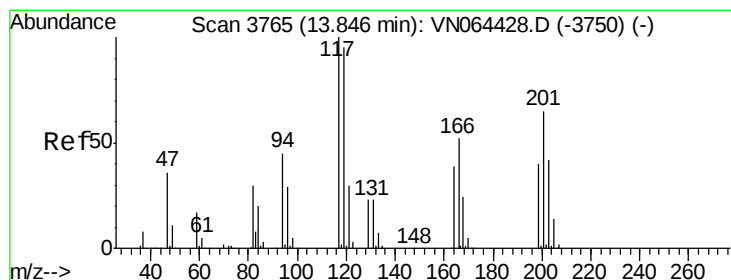
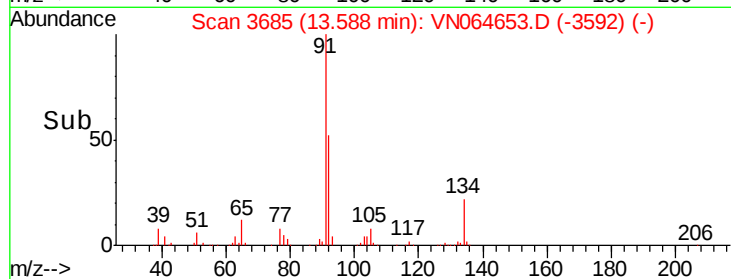
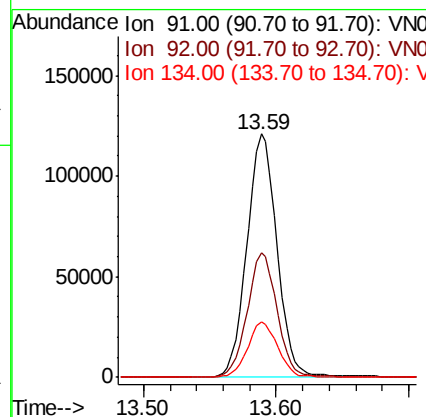
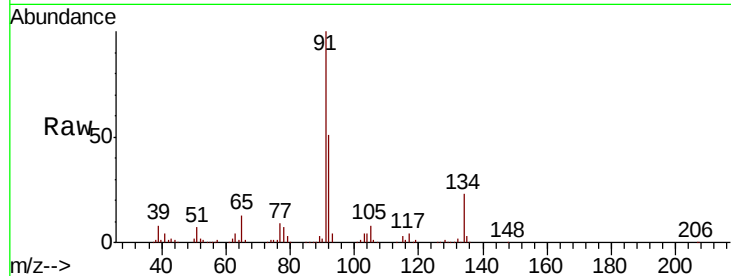
#89
n-Butylbenzene
Concen: 17.651 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN064653.D
Acq: 16 Nov 2020 11:14

Instrument :
MSVOA_N
ClientSampleId :
VN1116WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.2	25.3	75.9
134	22.8	11.8	35.4

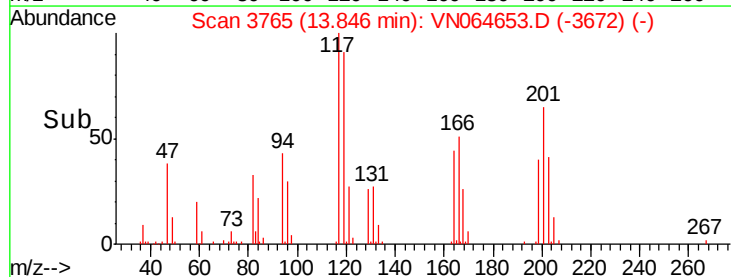
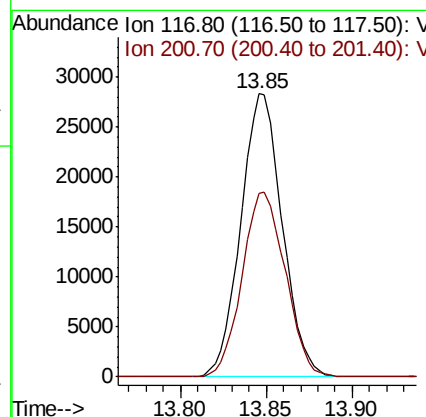
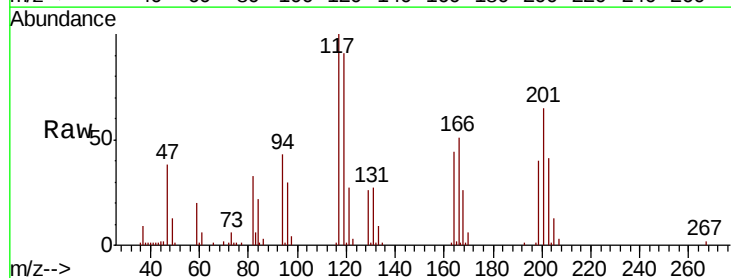
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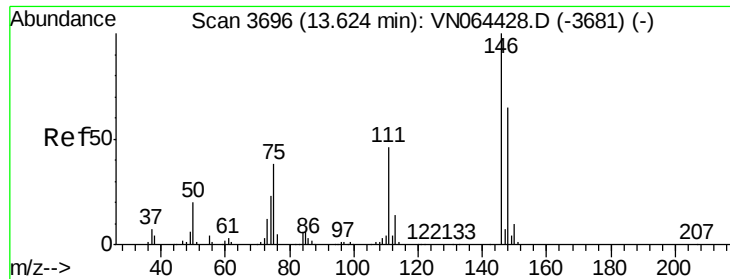
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#90
Hexachloroethane
Concen: 19.537 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN064653.D
Acq: 16 Nov 2020 11:14

Tgt Ion	Ratio	Lower	Upper
117	100		
201	67.8	32.5	97.5





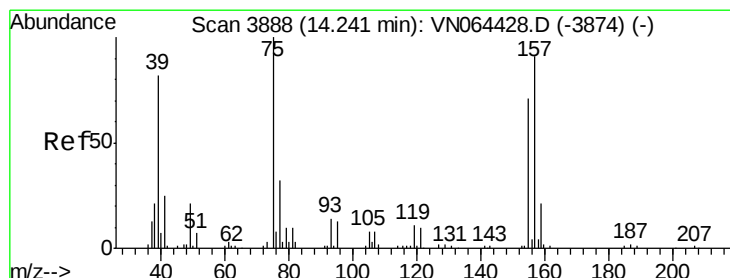
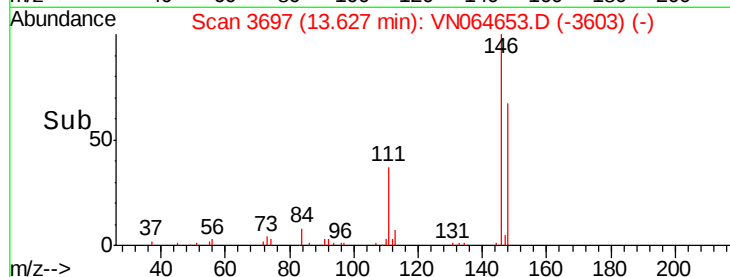
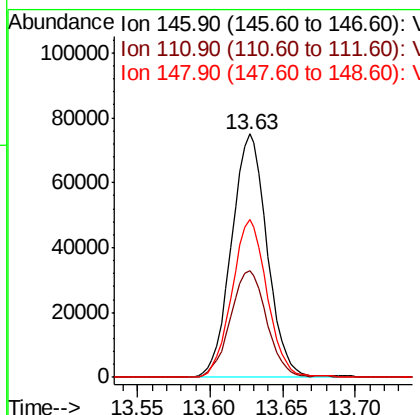
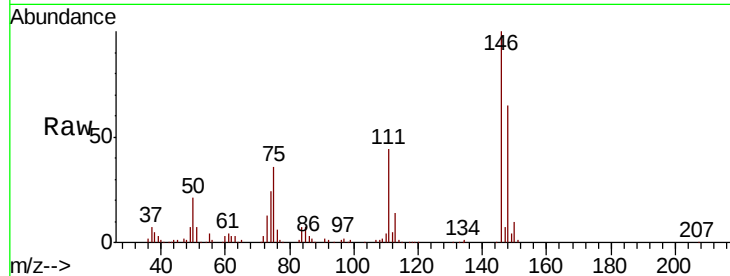
#91
 1,2-Dichlorobenzene
 Concen: 18.362 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064653.D
 Acq: 16 Nov 2020 11:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.6	22.9	68.7
148	64.2	32.0	96.2

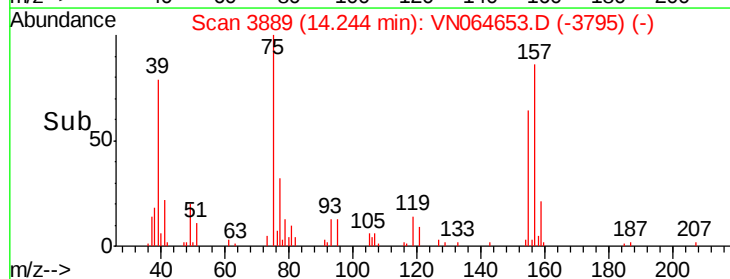
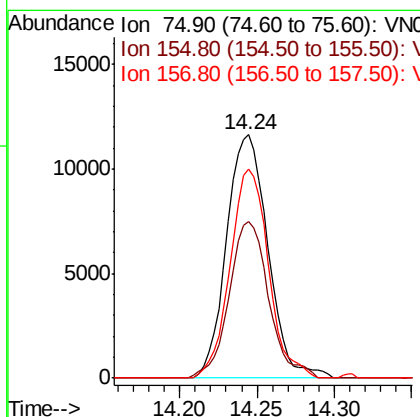
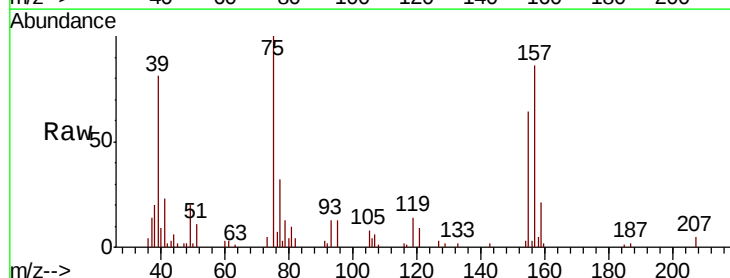
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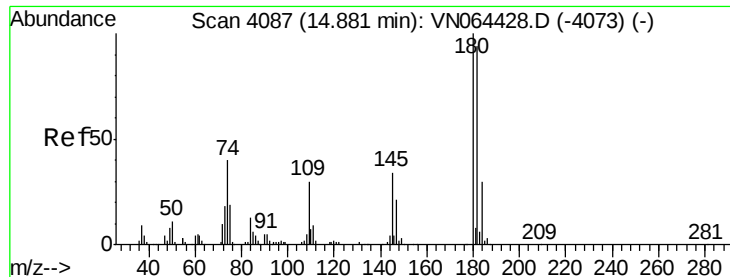
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.580 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN064653.D
 Acq: 16 Nov 2020 11:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	61.7	34.6	103.9
157	79.9	43.0	128.8





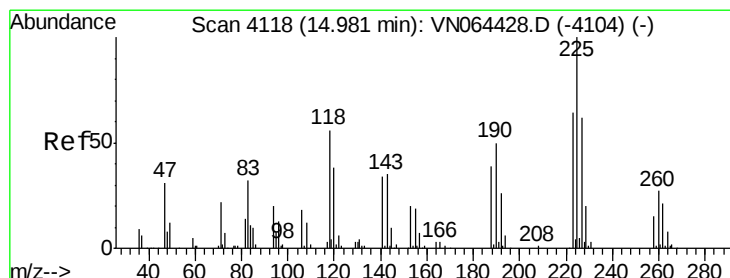
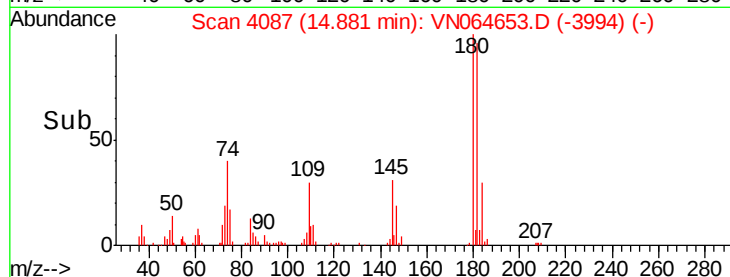
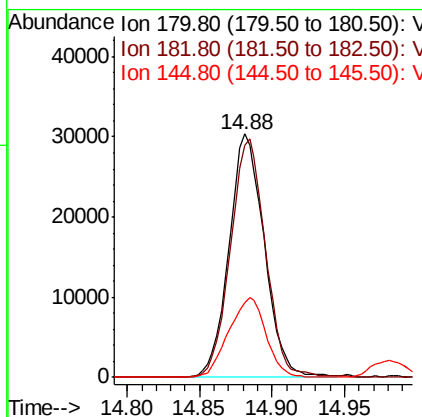
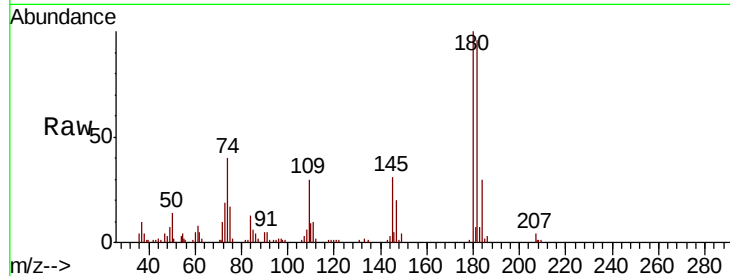
#93
 1,2,4-Trichlorobenzene
 Concen: 16.702 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064653.D
 Acq: 16 Nov 2020 11:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.2	47.3	142.0
145	34.4	16.7	50.1

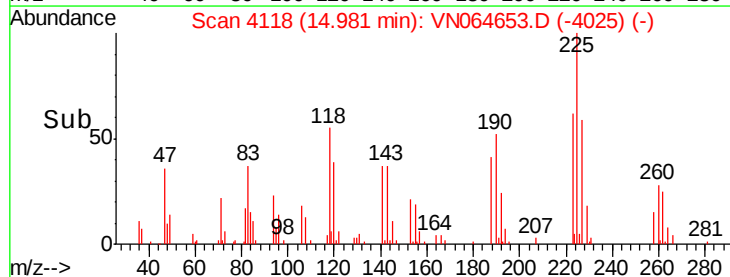
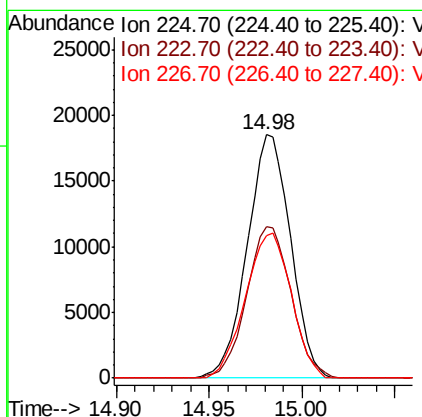
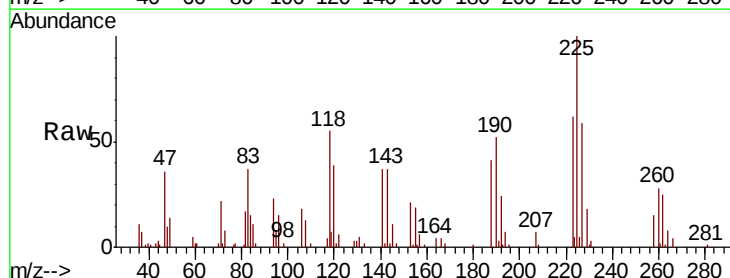
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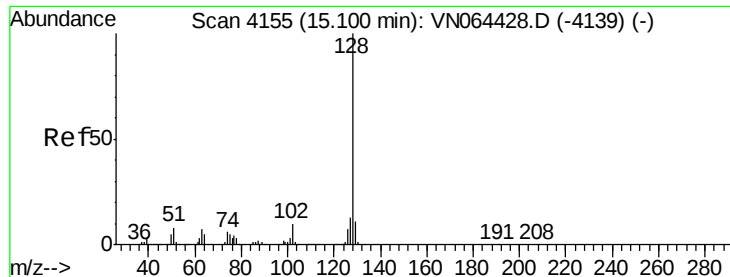
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#94
 Hexachlorobutadiene
 Concen: 21.301 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064653.D
 Acq: 16 Nov 2020 11:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	31.8	95.4
227	62.9	31.8	95.4





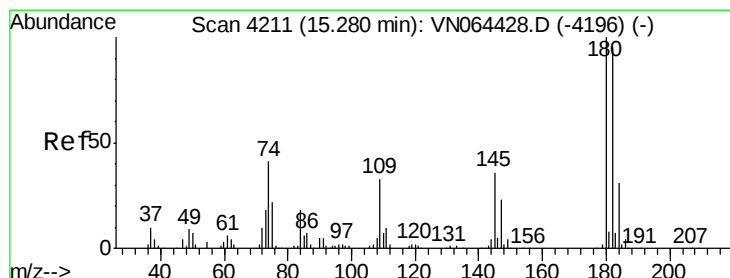
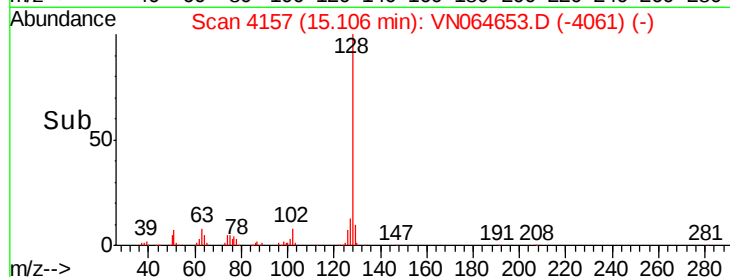
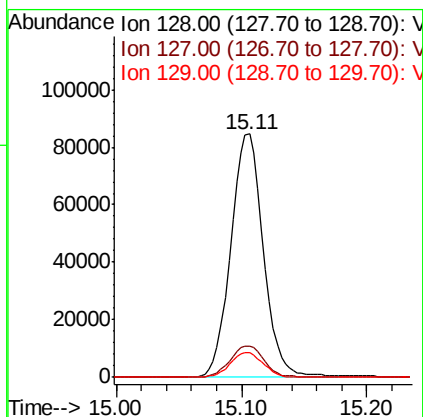
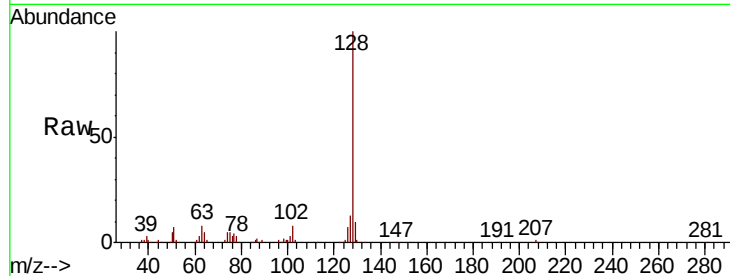
#95
Naphthalene
Concen: 15.583 ug/l
RT: 15.11 min Scan# 4157
Delta R.T. 0.01 min
Lab File: VN064653.D
Acq: 16 Nov 2020 11:14

Instrument :
MSVOA_N
ClientSampleId :
VN1116WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.5	15.7
129	10.4	8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 17.831 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN064653.D
Acq: 16 Nov 2020 11:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.8	47.7	143.1
145	35.7	18.3	54.8

