

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110420\
 Data File : VN064438.D
 Acq On : 4 Nov 2020 16:00
 Operator : JC/MD
 Sample : VN1104WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1104WBSD01

Manual Integrations
 APPROVED

MMDadoda
 11/5/2020 2:19:32 PM

Quant Time: Nov 05 01:30:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 12:09:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	315019	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	563386	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	530324	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	228031	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	271598	49.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.00%	
35) Dibromofluoromethane	7.55	113	182453	47.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.12%	
50) Toluene-d8	10.06	98	689603	46.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.02%	
62) 4-Bromofluorobenzene	12.38	95	256828	45.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	76126	18.564	ug/l	99
3) Chloromethane	2.04	50	91883	18.447	ug/l	99
4) Vinyl Chloride	2.17	62	96113	18.791	ug/l	97
5) Bromomethane	2.54	94	63833	19.535	ug/l	100
6) Chloroethane	2.68	64	61702	18.841	ug/l	99
7) Trichlorofluoromethane	2.99	101	141073	18.730	ug/l	97
8) Diethyl Ether	3.38	74	49835	18.737	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.71	101	65183	18.225	ug/l	99
10) Methyl Iodide	3.91	142	72390	17.418	ug/l	99
11) Tert butyl alcohol	4.75	59	63785	105.409	ug/l #	81
12) 1,1-Dichloroethene	3.69	96	60990	18.103	ug/l	99
13) Acrolein	3.57	56	39660	105.662	ug/l	94
14) Allyl chloride	4.27	41	120045	18.215	ug/l	97
15) Acrylonitrile	4.94	53	171209	101.625	ug/l	99
16) Acetone	3.79	43	178510	85.405	ug/l	97
17) Carbon Disulfide	4.00	76	175290	17.398	ug/l	98
18) Methyl Acetate	4.29	43	80250	19.529	ug/l	97
19) Methyl tert-butyl Ether	5.00	73	230949	19.046	ug/l	97
20) Methylene Chloride	4.51	84	76344	18.409	ug/l	98
21) trans-1,2-Dichloroethene	4.98	96	71307	18.641	ug/l	98
22) Diisopropyl ether	5.91	45	255779	18.283	ug/l	98
23) Vinyl Acetate	5.85	43	1063303	93.429	ug/l	99
24) 1,1-Dichloroethane	5.80	63	144074	18.741	ug/l	99
25) 2-Butanone	6.79	43	253570	95.214	ug/l	97
26) 2,2-Dichloropropane	6.78	77	120214	17.274	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	82389	18.587	ug/l	97
28) Bromochloromethane	7.15	49	66370	17.564	ug/l	94
29) Tetrahydrofuran	7.17	42	160974	98.521	ug/l	99
30) Chloroform	7.33	83	148335	18.356	ug/l	99
31) Cyclohexane	7.61	56	119517	17.918	ug/l #	95
32) 1,1,1-Trichloroethane	7.53	97	132705	18.515	ug/l	99
36) 1,1-Dichloropropene	7.76	75	106977	17.974	ug/l	99
37) Ethyl Acetate	6.89	43	106749	18.165	ug/l	99
38) Carbon Tetrachloride	7.74	117	114956	18.072	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	93553	17.534	ug/l	97
40) Benzene	8.00	78	314511	17.983	ug/l	99
41) Methacrylonitrile	7.12	41	53811m	20.393	ug/l	
42) 1,2-Dichloroethane	8.09	62	133434	18.905	ug/l	99
43) Isopropyl Acetate	8.13	43	178947	18.553	ug/l	99
44) Trichloroethene	8.80	130	79126	17.932	ug/l	97
45) 1,2-Dichloropropane	9.09	63	85464	18.314	ug/l	98
46) Dibromomethane	9.18	93	54944	17.886	ug/l	98
47) Bromodichloromethane	9.37	83	119664	18.116	ug/l	99
48) Methyl methacrylate	9.17	41	90714	18.638	ug/l	97
49) 1,4-Dioxane	9.17	88	27317	426.121	ug/l	98
51) 4-Methyl-2-Pentanone	9.96	43	556396	98.917	ug/l	100
52) Toluene	10.13	92	193112	18.104	ug/l	97
53) t-1,3-Dichloropropene	10.35	75	124858	17.830	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	133850	17.877	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	75549	18.160	ug/l	98
56) Ethyl methacrylate	10.40	69	110879	17.444	ug/l	97
57) 1,3-Dichloropropane	10.68	76	135158	18.613	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.67	63	292729	104.251	ug/l	98
59) 2-Hexanone	10.72	43	394129	88.571	ug/l	99
60) Dibromochloromethane	10.87	129	83966	18.028	ug/l	100
61) 1,2-Dibromoethane	10.98	107	79048	18.733	ug/l	99
64) Tetrachloroethene	10.60	164	73675	18.035	ug/l	97
65) Chlorobenzene	11.41	112	202941	17.456	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	75835	17.485	ug/l	99
67) Ethyl Benzene	11.49	91	369856	17.885	ug/l	99
68) m/p-Xylenes	11.60	106	259141	34.554	ug/l	95
69) o-Xylene	11.92	106	130125	17.956	ug/l	99
70) Styrene	11.94	104	216270	17.735	ug/l	99
71) Bromoform	12.10	173	52049	16.850	ug/l #	98
73) Isopropylbenzene	12.22	105	334357	18.448	ug/l	98
74) N-amyl acetate	12.05	43	148544	17.702	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	107917	19.385	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	106207m	19.223	ug/l	
77) Bromobenzene	12.50	156	80141	18.111	ug/l	99
78) n-propylbenzene	12.57	91	376631	18.227	ug/l	99
79) 2-Chlorotoluene	12.65	91	234571	17.898	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	276268	18.477	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	33604	16.982	ug/l	91
82) 4-Chlorotoluene	12.75	91	243980	17.776	ug/l	99
83) tert-Butylbenzene	12.97	119	210856	18.056	ug/l	100
84) 1,2,4-Trimethylbenzene	13.02	105	274223	18.244	ug/l	100
85) sec-Butylbenzene	13.15	105	272454	18.422	ug/l	100
86) p-Isopropyltoluene	13.26	119	241829	18.178	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	137071	17.920	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	136513	17.269	ug/l	98
89) n-Butylbenzene	13.59	91	201873	17.649	ug/l	99
90) Hexachloroethane	13.85	117	45774	17.837	ug/l	96
91) 1,2-Dichlorobenzene	13.63	146	136917	18.608	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.24	75	21041	18.984	ug/l	97

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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)
93) 1,2,4-Trichlorobenzene	14.88	180	55396	16.997	ug/l	98
94) Hexachlorobutadiene	14.98	225	28643	19.120	ug/l	99
95) Naphthalene	15.10	128	183315	17.218	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	56907	17.958	ug/l	97

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

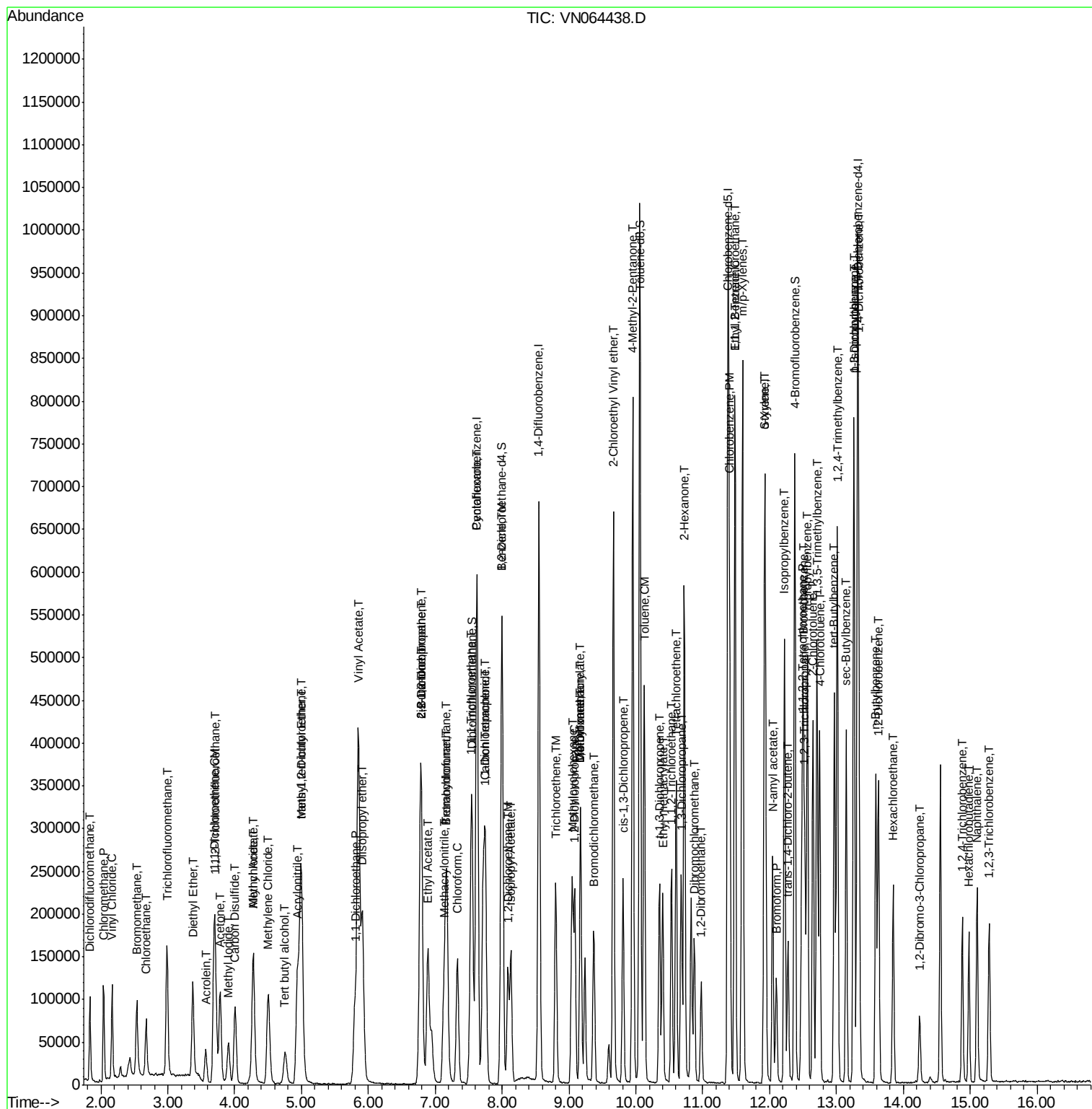
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110420\
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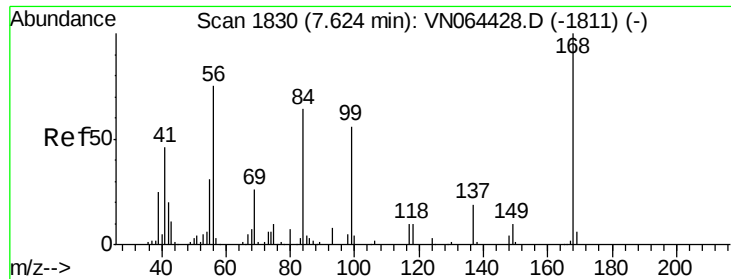
Instrument :
MSVOA_N
ClientSampleId :
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064438.D

Acq: 4 Nov 2020 16:00

Instrument :

MSVOA_N

ClientSampleId :

VN1104WBSD01

Tot Ion:168 Resp: 315019

Ion Ratio Lower Upper

168 100

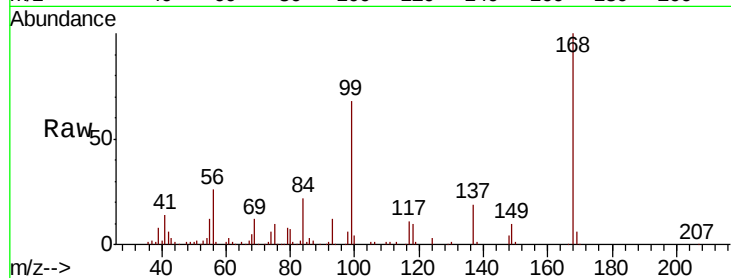
99 67.9 53.4 80.2

Manual Integrations

APPROVED

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

150000

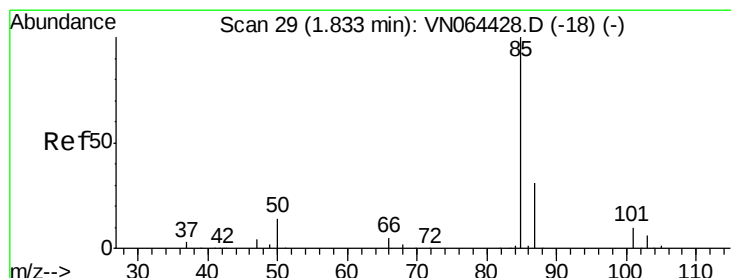
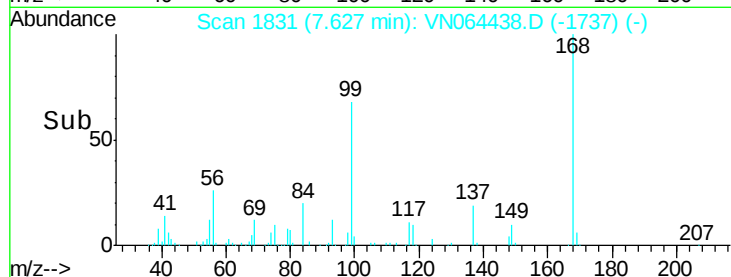
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50000

0

7.50 7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.564 ug/l

RT: 1.83 min Scan# 29

Delta R.T. -0.00 min

Lab File: VN064438.D

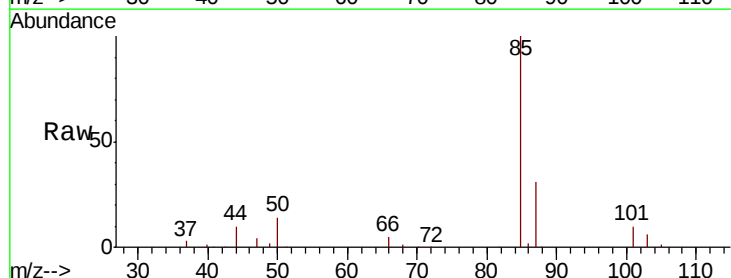
Acq: 4 Nov 2020 16:00

Tgt Ion: 85 Resp: 76126

Ion Ratio Lower Upper

85 100

87 30.9 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

60000

50000

40000

30000

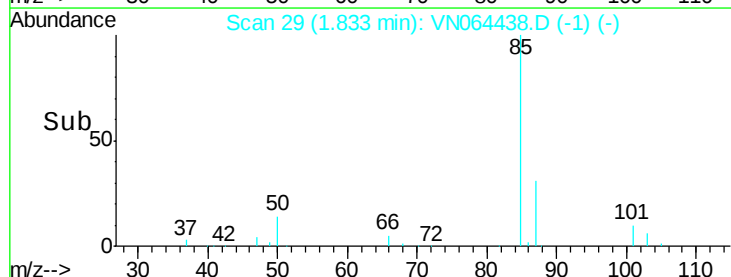
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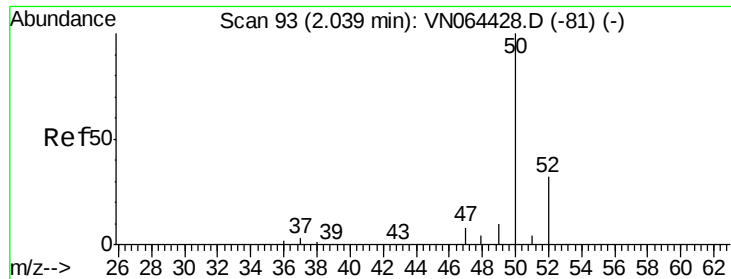
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0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 18.447 ug/l

RT: 2.04 min Scan# 93

Delta R.T. -0.00 min

Lab File: VN064438.D

Acq: 4 Nov 2020 16:00

Instrument :

MSVOA_N

ClientSampleId :

VN1104WBSD01

Tot Ion: 50 Resp: 91883

Ion Ratio Lower Upper

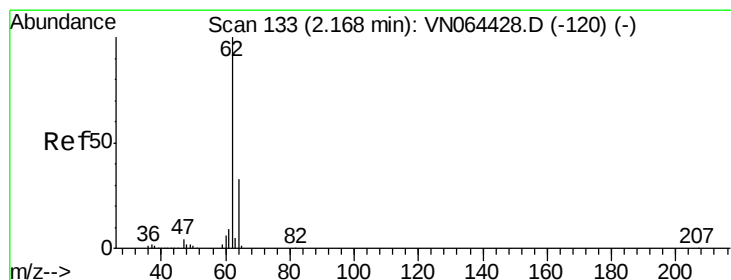
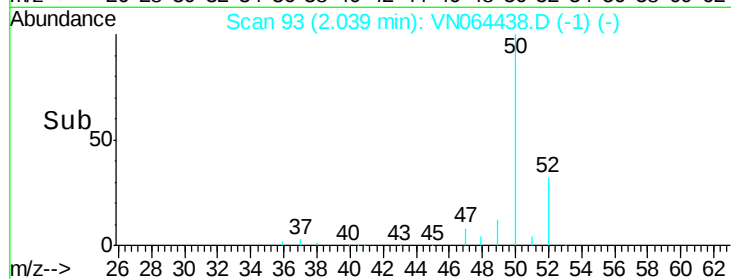
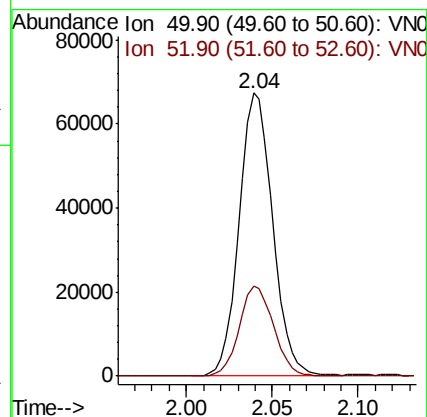
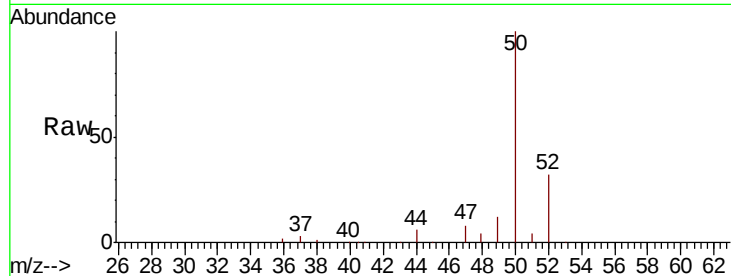
50 100

52 31.9 25.3 37.9

Manual Integrations
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#4

Vinyl Chloride

Concen: 18.791 ug/l

RT: 2.17 min Scan# 133

Delta R.T. -0.00 min

Lab File: VN064438.D

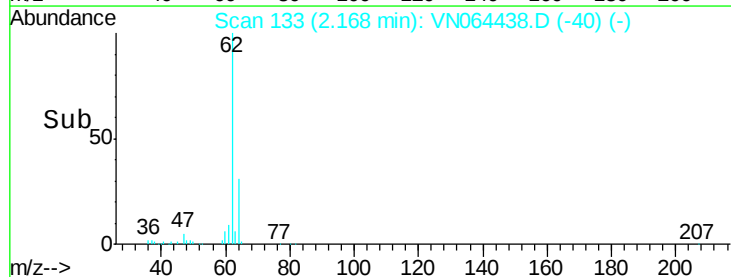
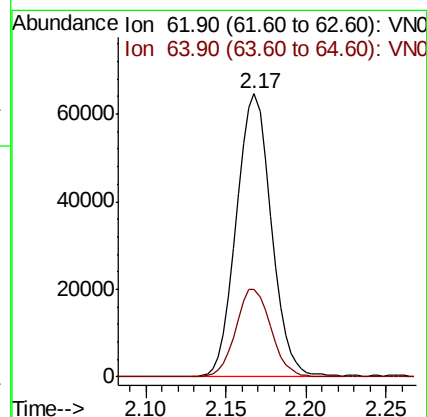
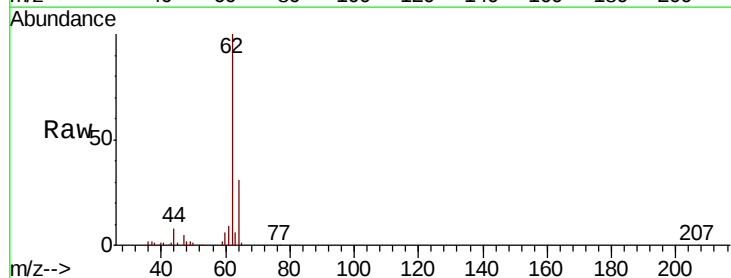
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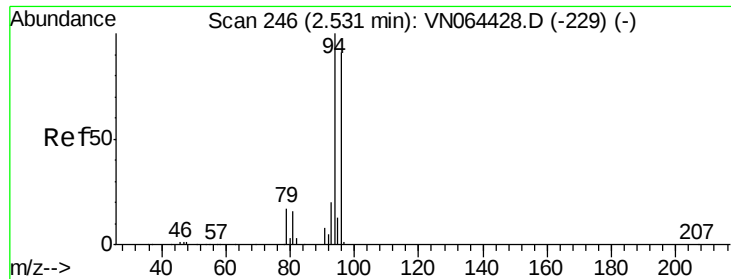
Tgt Ion: 62 Resp: 96113

Ion Ratio Lower Upper

62 100

64 31.1 26.3 39.5





#5

Bromomethane

Concen: 19.535 ug/l

RT: 2.54 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN064438.D

Acq: 4 Nov 2020 16:00

Instrument :

MSVOA_N

ClientSampleId :

VN1104WBSD01

Tot Ion: 94 Resp: 63833

Ion Ratio Lower Upper

94 100

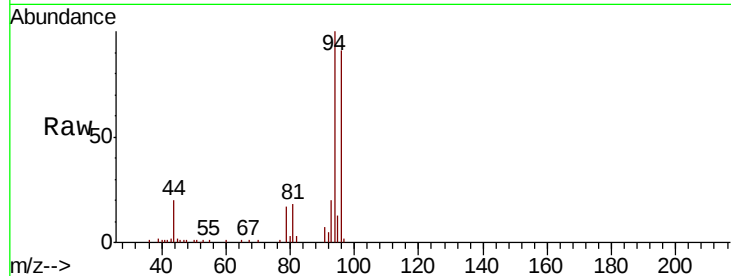
96 91.4 73.1 109.7

Manual Integrations

APPROVED

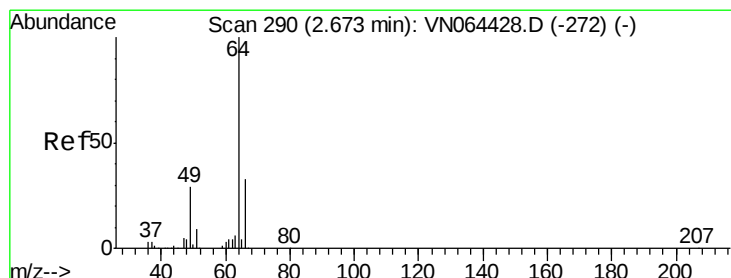
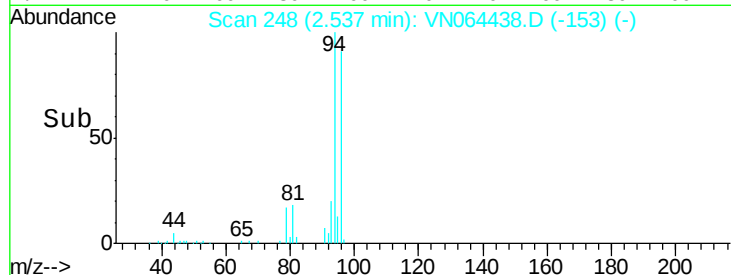
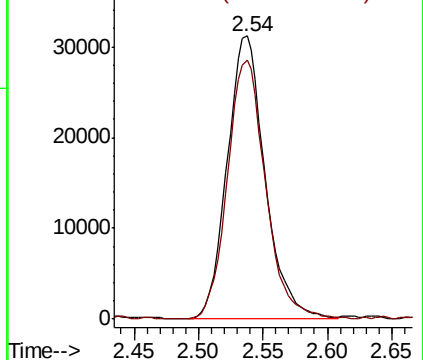
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.841 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN064438.D

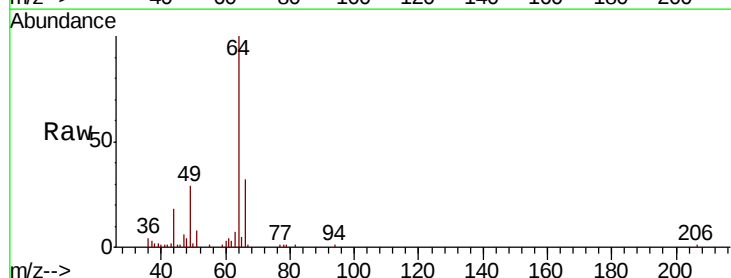
Acq: 4 Nov 2020 16:00

Tgt Ion: 64 Resp: 61702

Ion Ratio Lower Upper

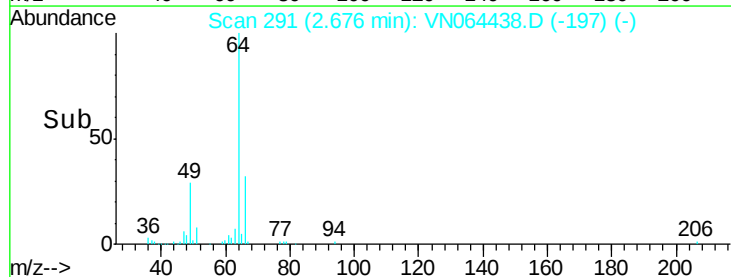
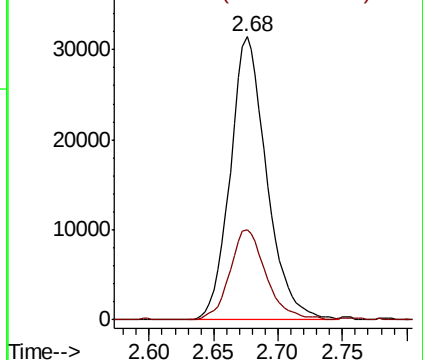
64 100

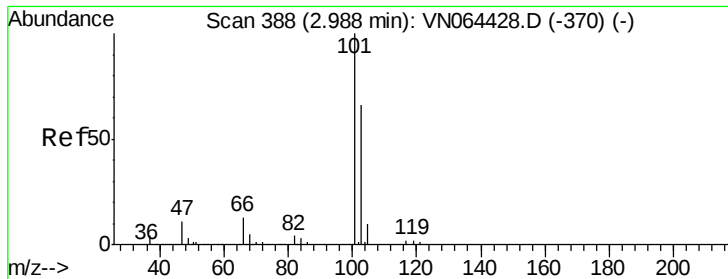
66 32.0 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

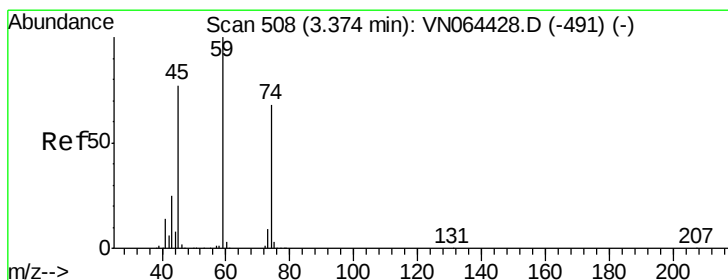
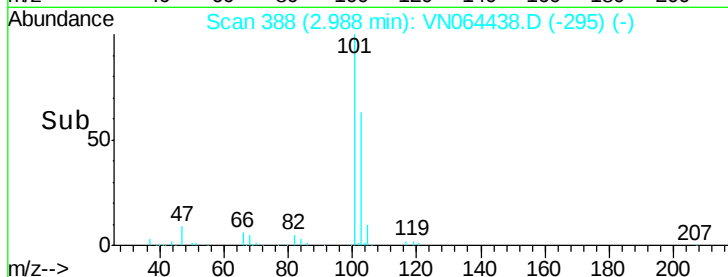
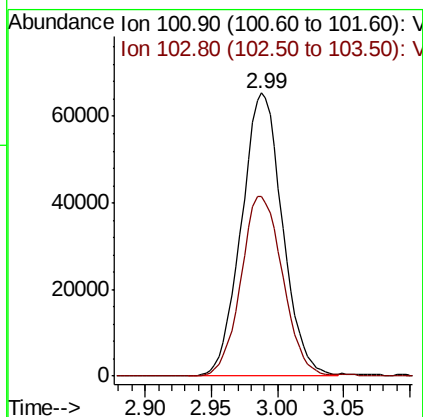
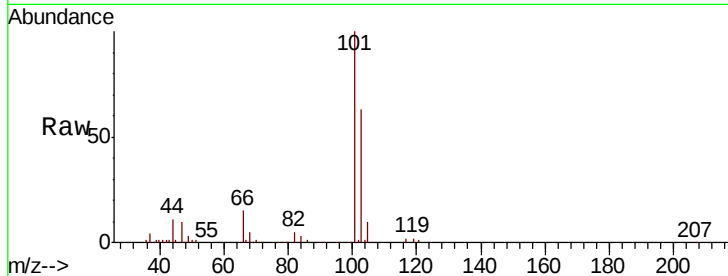
Trichlorofluoromethane
Concen: 18.730 ug/l
RT: 2.99 min Scan# 388
Delta R.T. -0.00 min
Lab File: VN064438.D
Acq: 4 Nov 2020 16:00

Instrument :
MSVOA_N
ClientSampleId :
VN1104WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.4	52.4	78.6

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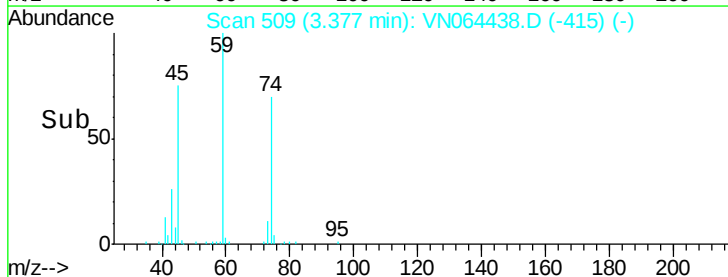
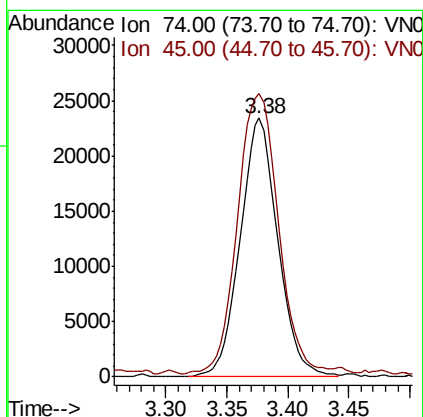
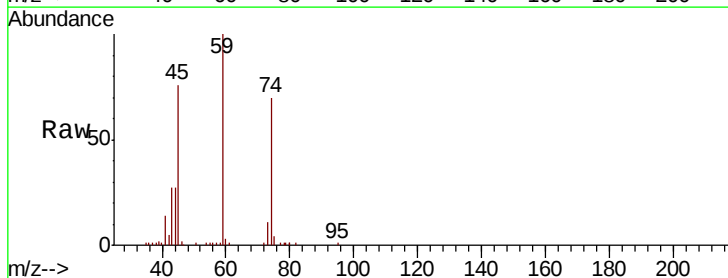
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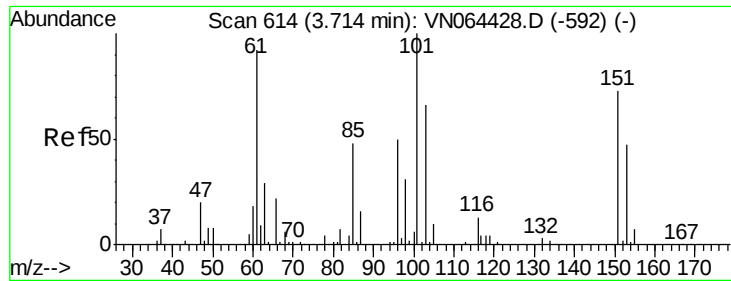


#8

Diethyl Ether
Concen: 18.737 ug/l
RT: 3.38 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN064438.D
Acq: 4 Nov 2020 16:00

Tgt Ion	Ratio	Lower	Upper
74	100		
45	117.3	55.9	167.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.225 ug/l

RT: 3.71 min Scan# 614

Delta R.T. -0.00 min

Lab File: VN064438.D

Acq: 4 Nov 2020 16:00

Instrument :

MSVOA_N

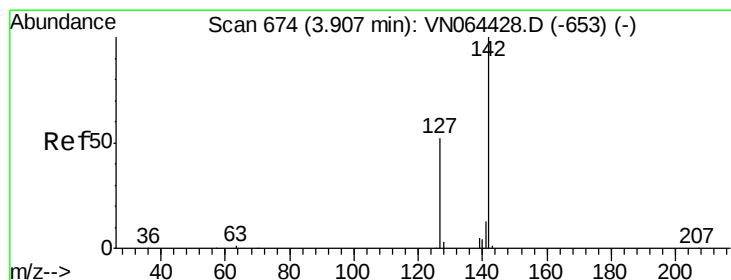
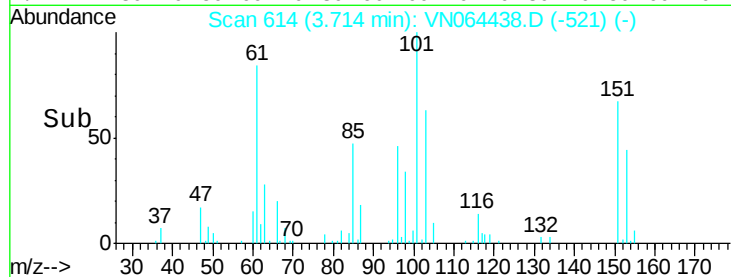
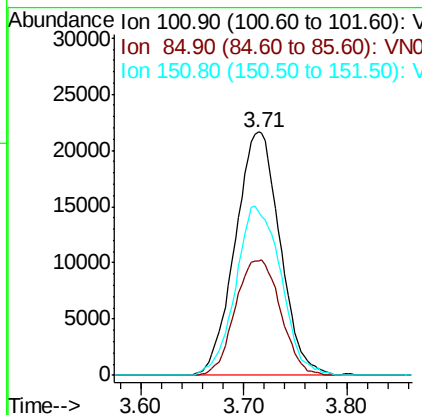
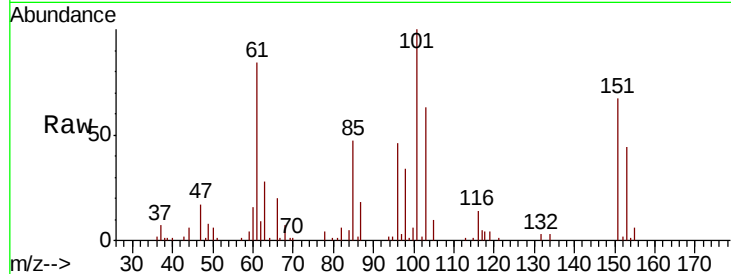
ClientSampleId :

VN1104WBSD01

Tot Ion:	101	Resp:	65183
Ion Ratio	Lower	Upper	
101	100		
85	47.8	38.6	57.8
151	70.3	57.5	86.3

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#10

Methyl Iodide

Concen: 17.418 ug/l

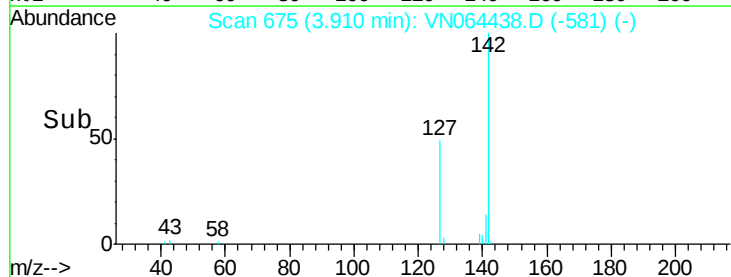
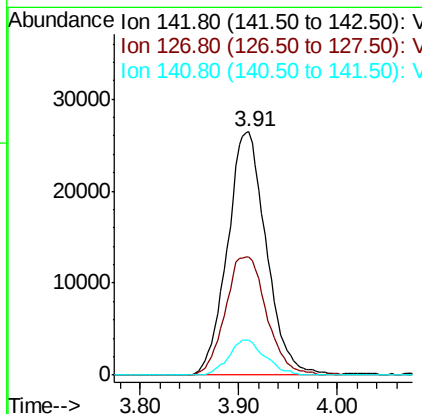
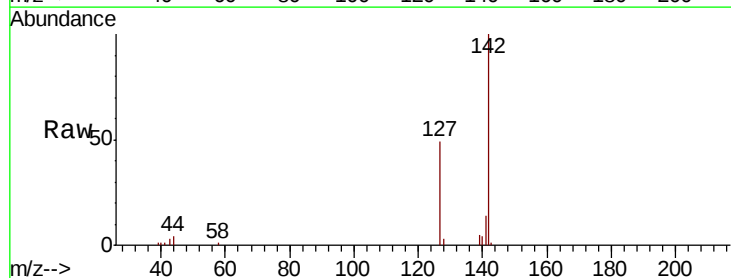
RT: 3.91 min Scan# 675

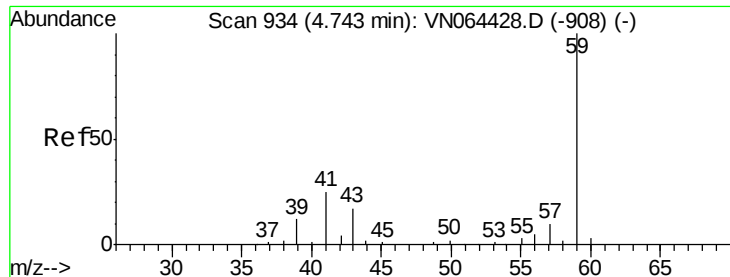
Delta R.T. 0.00 min

Lab File: VN064438.D

Acq: 4 Nov 2020 16:00

Tgt Ion:	142	Resp:	72390
Ion Ratio	Lower	Upper	
142	100		
127	51.5	41.8	62.8
141	13.6	11.4	17.2





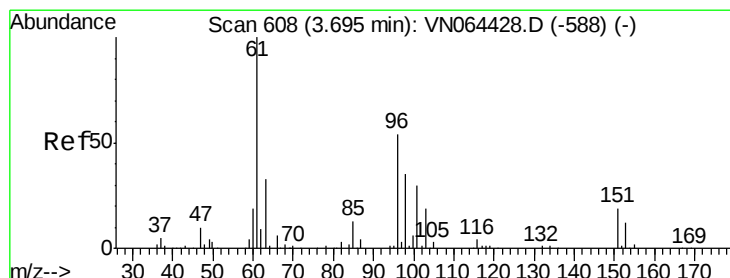
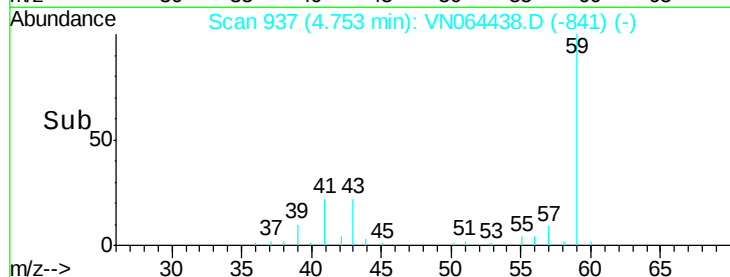
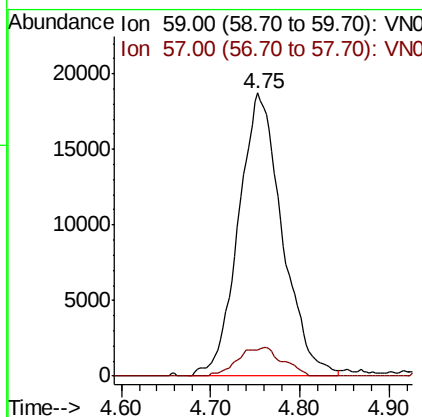
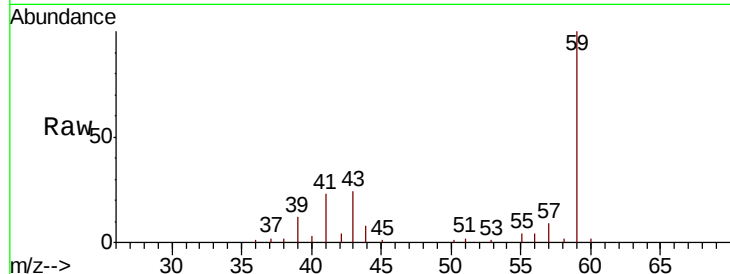
#11
Tert butyl alcohol
Concen: 105.409 ug/l
RT: 4.75 min Scan# 937
Delta R.T. 0.01 min
Lab File: VN064438.D
Acq: 4 Nov 2020 16:00

Instrument :
MSVOA_N
ClientSampleId :
VN1104WBSD01

Tot Ion: 59 Resp: 63785
Ion Ratio Lower Upper
59 100
57 3.9 9.0 13.4#

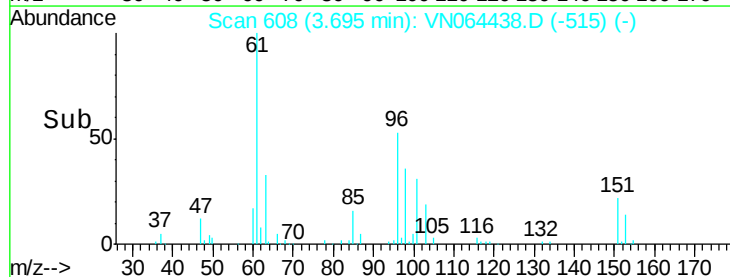
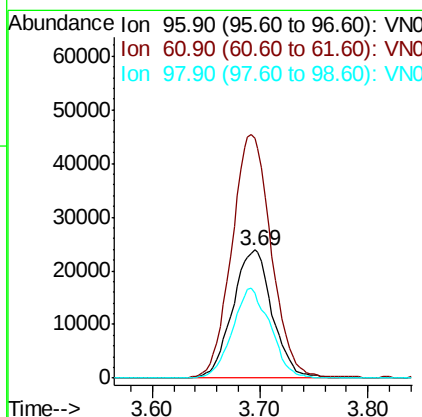
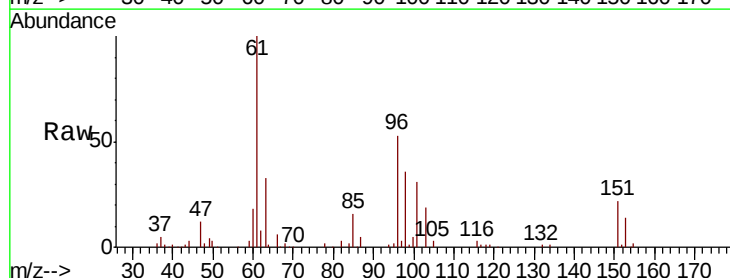
Manual Integrations
APPROVED

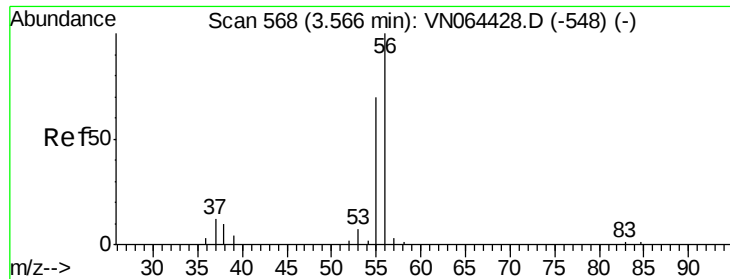
MMDadoda
11/5/2020 2:19:32 PM



#12
1,1-Dichloroethene
Concen: 18.103 ug/l
RT: 3.69 min Scan# 608
Delta R.T. -0.00 min
Lab File: VN064438.D
Acq: 4 Nov 2020 16:00

Tgt Ion: 96 Resp: 60990
Ion Ratio Lower Upper
96 100
61 187.4 149.5 224.3
98 66.9 52.4 78.6





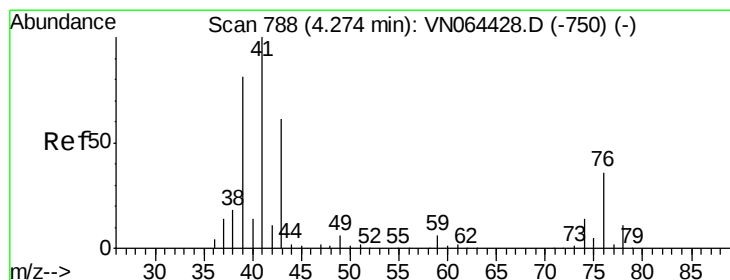
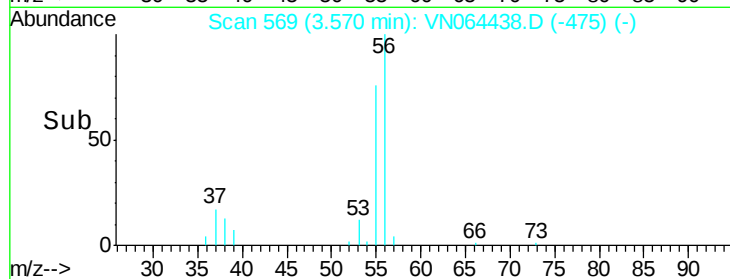
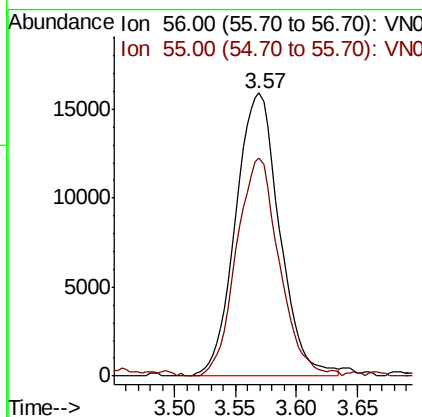
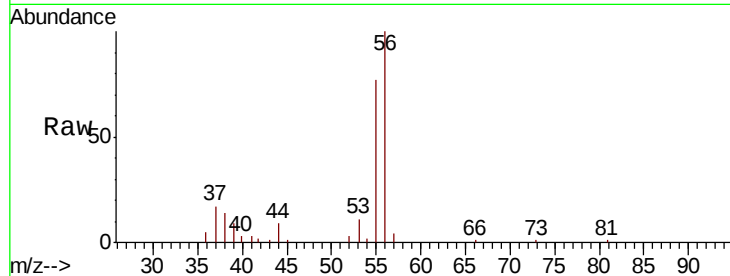
#13
Acrolein
Concen: 105.662 ug/l
RT: 3.57 min Scan# 569
Delta R.T. 0.00 min
Lab File: VN064438.D
Acq: 4 Nov 2020 16:00

Instrument :
MSVOA_N
ClientSampleId :
VN1104WBSD01

Tot Ion	56	Resp	39660
Ion Ratio	100	Lower	Upper
56	100		
55	75.0	55.9	83.9

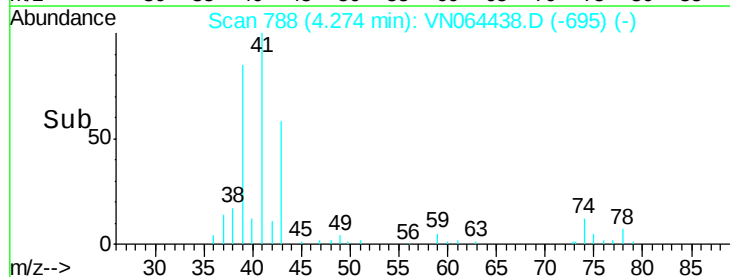
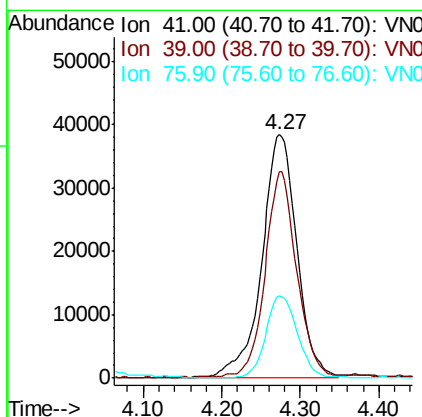
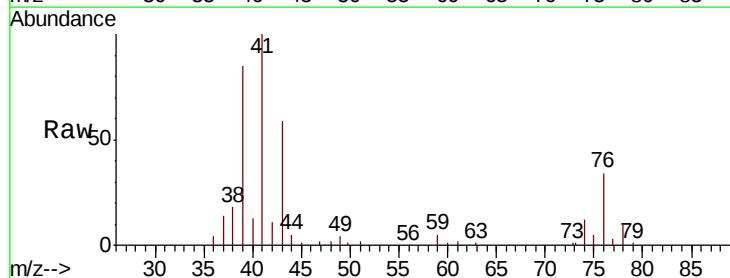
Manual Integrations
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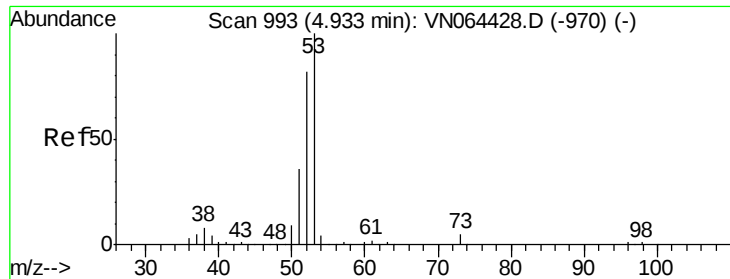
MMDadoda
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#14
Allyl chloride
Concen: 18.215 ug/l
RT: 4.27 min Scan# 788
Delta R.T. -0.00 min
Lab File: VN064438.D
Acq: 4 Nov 2020 16:00

Tgt Ion	41	Resp	120045
Ion Ratio	100	Lower	Upper
41	100		
39	74.8	61.8	92.8
76	30.6	25.4	38.0





#15

Acrylonitrile

Concen: 101.625 ug/l

RT: 4.94 min Scan# 994

Delta R.T. 0.00 min

Lab File: VN064438.D

Acq: 4 Nov 2020 16:00

Instrument :

MSVOA_N

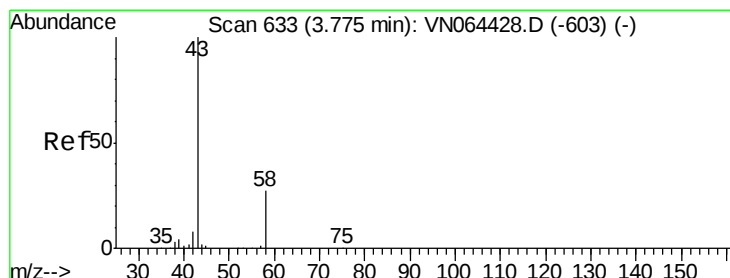
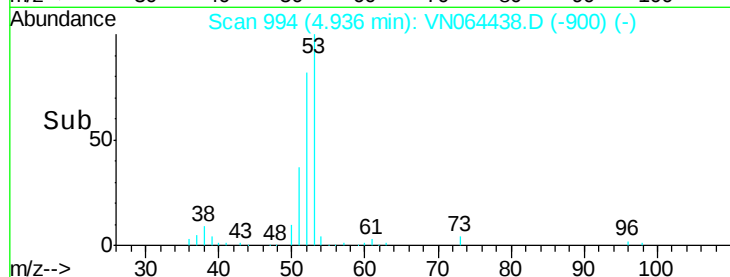
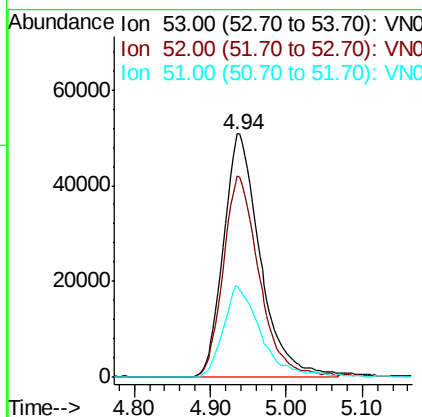
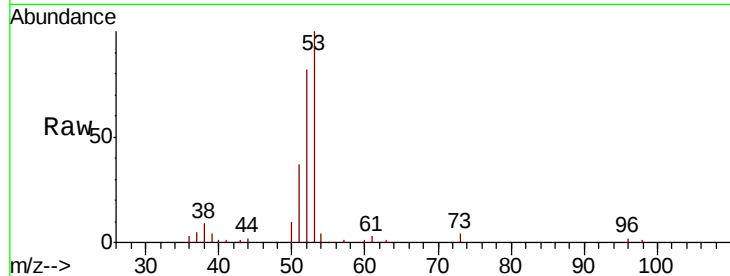
ClientSampleId :

VN1104WBSD01

Tot Ion:	53	Resp:	171209
Ion	Ratio	Lower	Upper
53	100		
52	80.4	65.6	98.4
51	37.3	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 85.405 ug/l

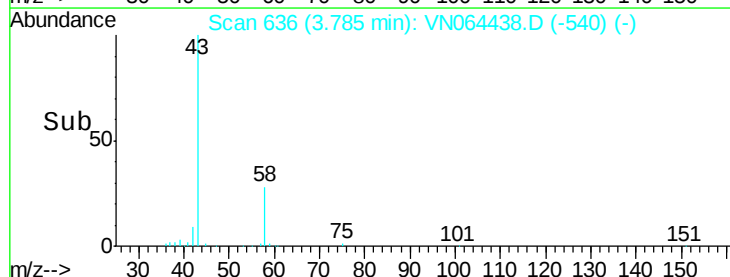
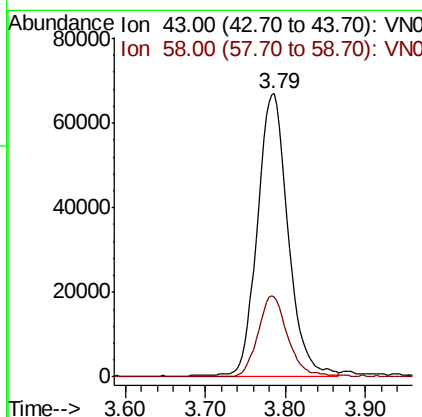
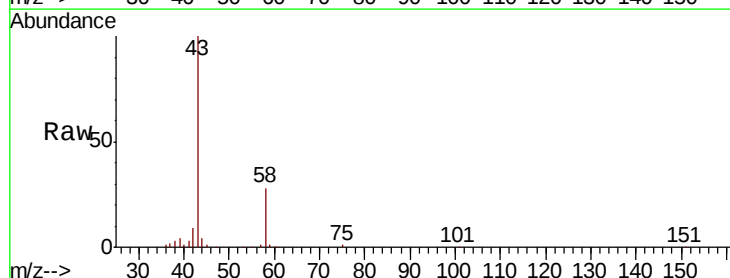
RT: 3.79 min Scan# 636

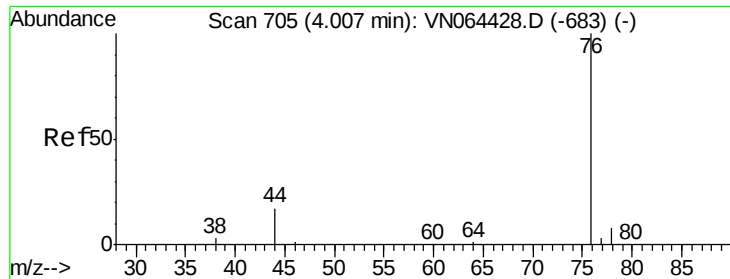
Delta R.T. 0.01 min

Lab File: VN064438.D

Acq: 4 Nov 2020 16:00

Tgt Ion:	43	Resp:	178510
Ion	Ratio	Lower	Upper
43	100		
58	28.1	21.4	32.0





#17

Carbon Disulfide

Concen: 17.398 ug/l

RT: 4.00 min Scan# 704

Delta R.T. -0.00 min

Lab File: VN064438.D

Acq: 4 Nov 2020 16:00

Instrument :

MSVOA_N

ClientSampleId :

VN1104WBSD01

Tot Ion: 76 Resp: 175290

Ion Ratio Lower Upper

76 100

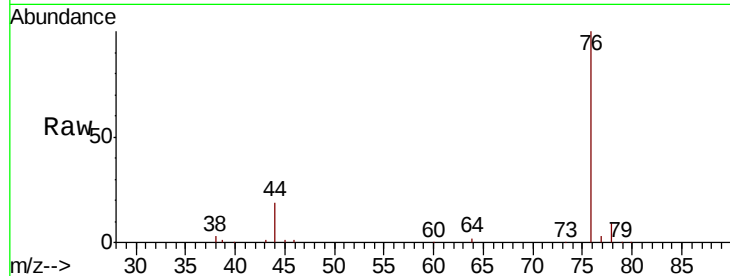
78 9.1 6.8 10.2

Manual Integrations

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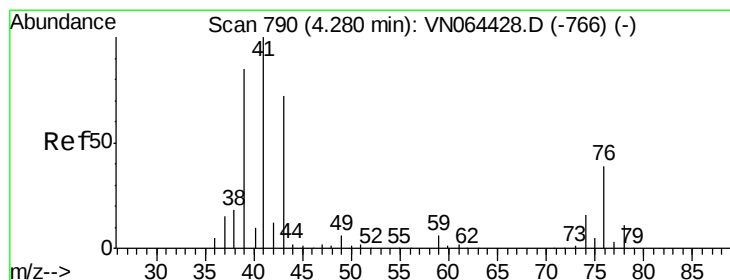
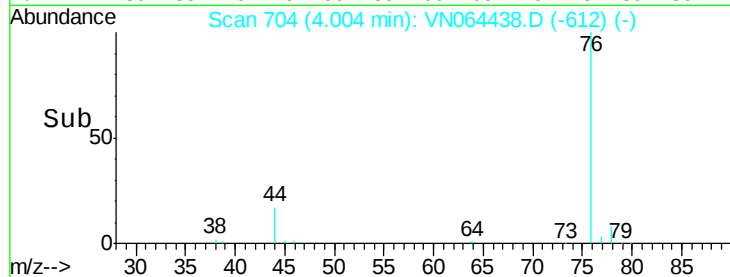
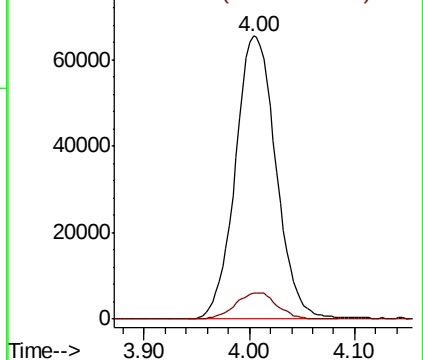
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Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC



#18

Methyl Acetate

Concen: 19.529 ug/l

RT: 4.29 min Scan# 792

Delta R.T. 0.01 min

Lab File: VN064438.D

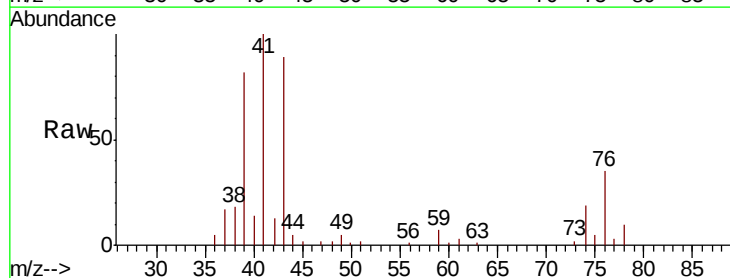
Acq: 4 Nov 2020 16:00

Tgt Ion: 43 Resp: 80250

Ion Ratio Lower Upper

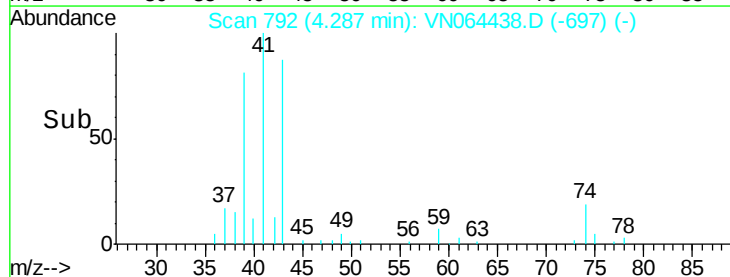
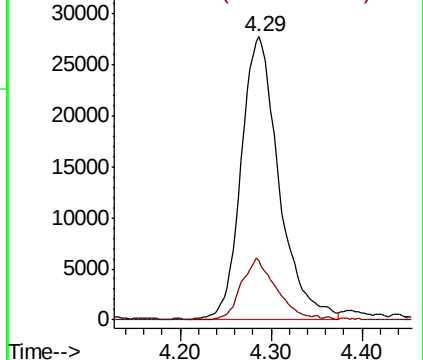
43 100

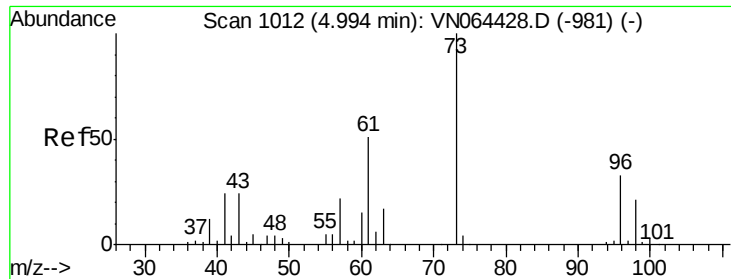
74 19.8 17.0 25.4



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC





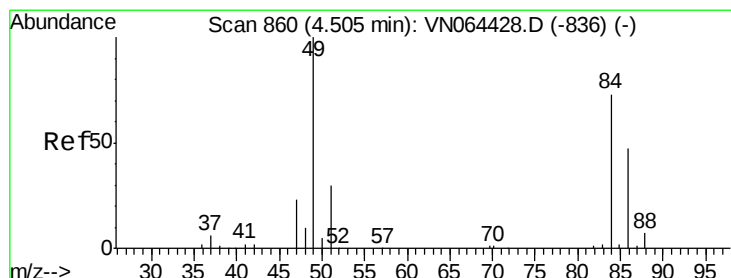
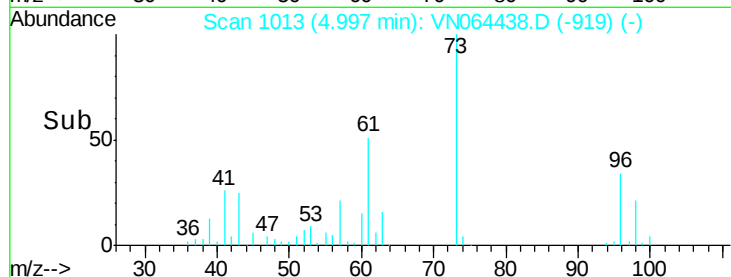
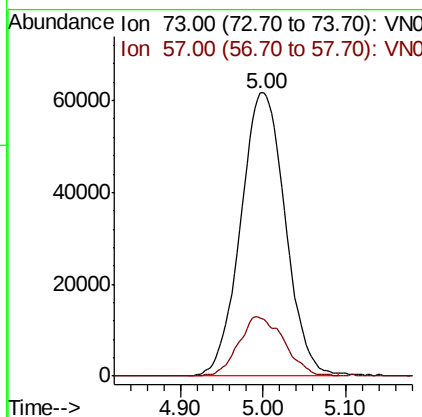
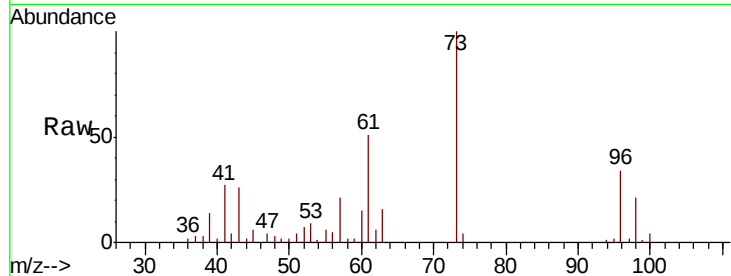
#19
Methvl tert-butvl Ether
Concen: 19.046 ug/l
RT: 5.00 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VN064438.D
Acq: 4 Nov 2020 16:00

Instrument :
MSVOA_N
ClientSampleId :
VN1104WBSD01

Tot Ion: 73 Resp: 230949
Ion Ratio Lower Upper
73 100
57 20.6 17.7 26.5

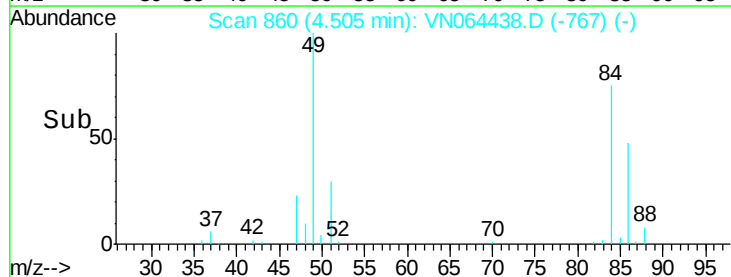
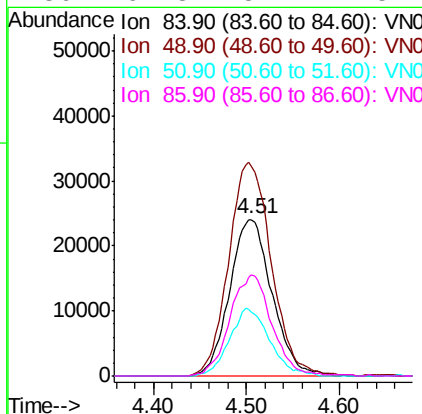
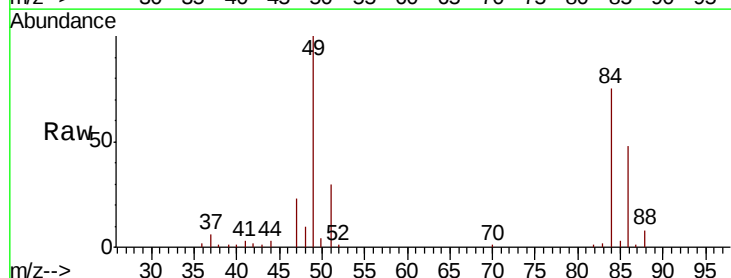
Manual Integrations
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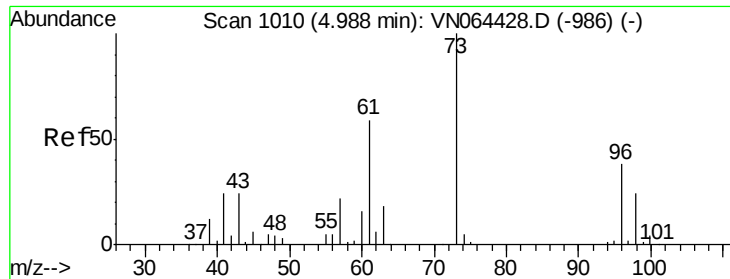
MMDadoda
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#20
Methylene Chloride
Concen: 18.409 ug/l
RT: 4.51 min Scan# 860
Delta R.T. -0.00 min
Lab File: VN064438.D
Acq: 4 Nov 2020 16:00

Tgt Ion: 84 Resp: 76344
Ion Ratio Lower Upper
84 100
49 134.1 110.1 165.1
51 40.7 33.6 50.4
86 64.8 52.1 78.1





#21

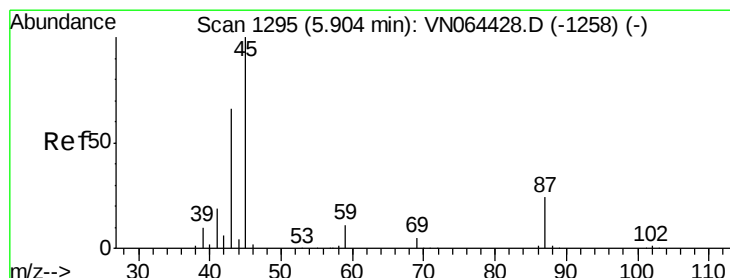
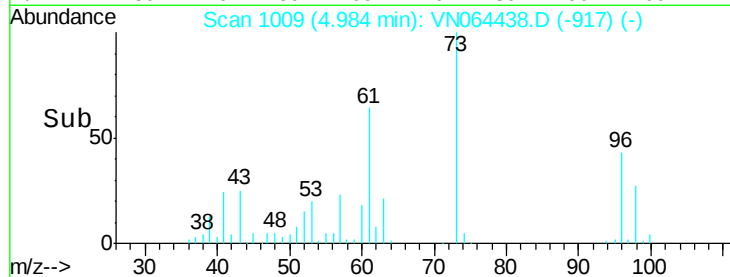
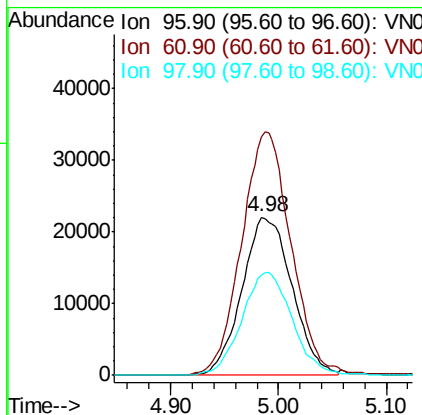
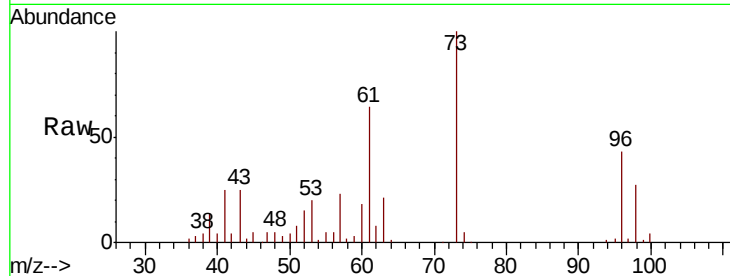
trans-1,2-Dichloroethene
Concen: 18.641 ug/l
RT: 4.98 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN064438.D
Acq: 4 Nov 2020 16:00

Instrument :
MSVOA_N
ClientSampleId :
VN1104WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	150.5	122.4	183.6
98	63.6	50.4	75.6

Manual Integrations
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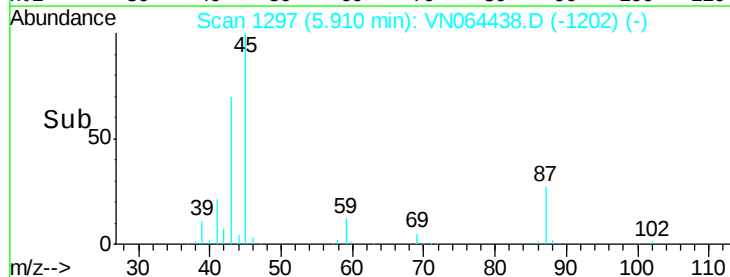
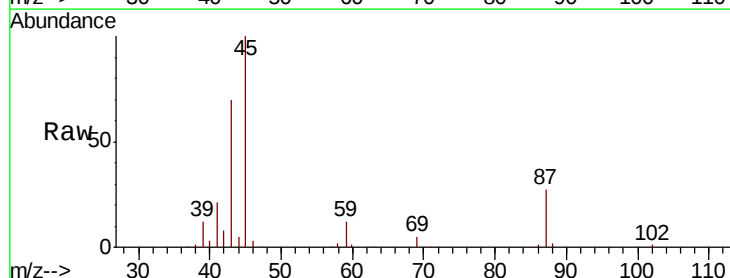
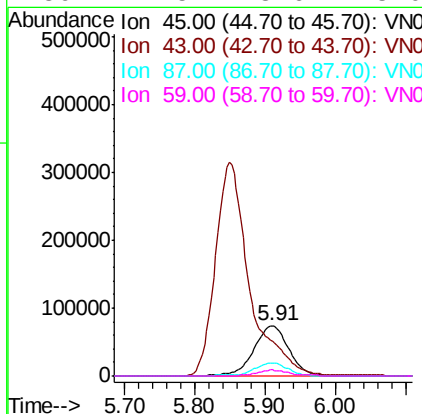
MMDadoda
11/5/2020 2:19:32 PM

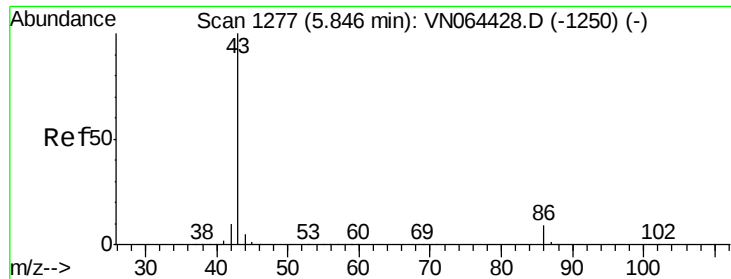


#22

Diisopropyl ether
Concen: 18.283 ug/l
RT: 5.91 min Scan# 1297
Delta R.T. 0.01 min
Lab File: VN064438.D
Acq: 4 Nov 2020 16:00

Tgt Ion	Ratio	Lower	Upper
45	100		
43	68.2	53.2	79.8
87	26.6	19.9	29.9
59	11.5	8.6	13.0





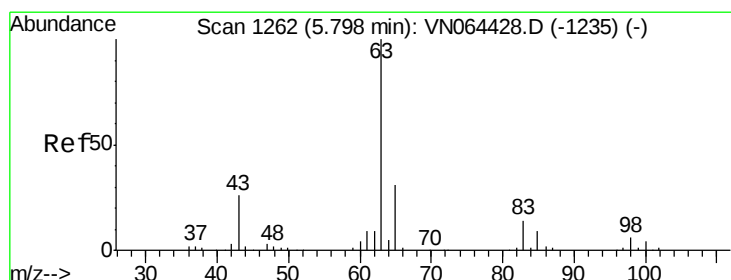
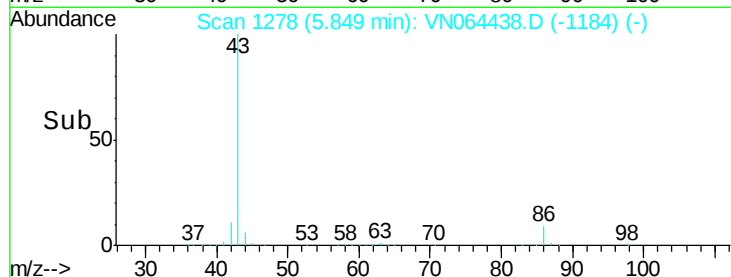
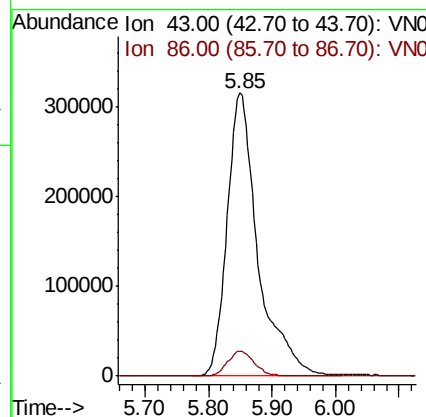
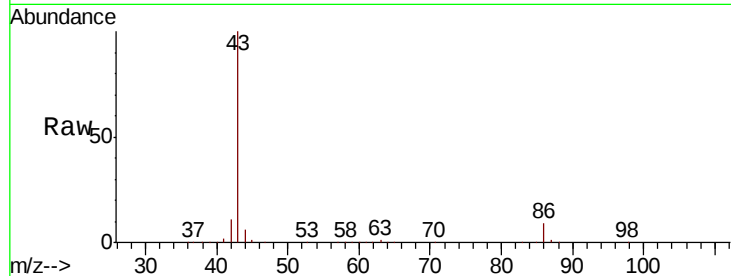
#23
 Vinyl Acetate
 Concen: 93.429 ug/l
 RT: 5.85 min Scan# 1278
 Delta R.T. 0.00 min
 Lab File: VN064438.D
 Acq: 4 Nov 2020 16:00

Instrument :
 MSVOA_N
 ClientSampled :
 VN1104WBSD01

Tot Ion: 43 Resp: 1063303
 Ion Ratio Lower Upper
 43 100
 86 8.9 6.8 10.2

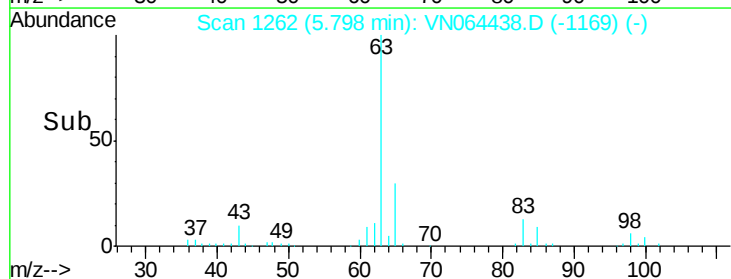
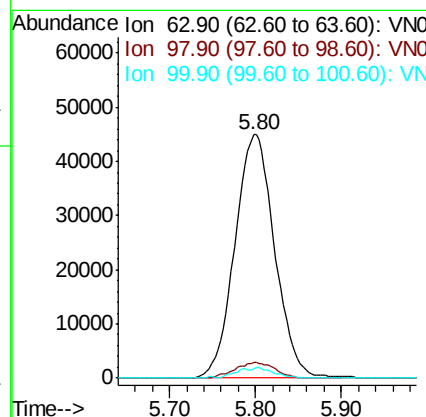
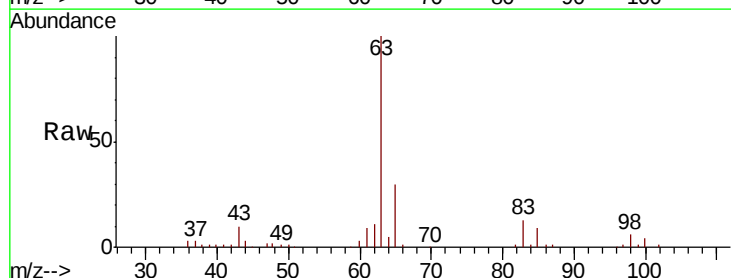
Manual Integrations
 APPROVED

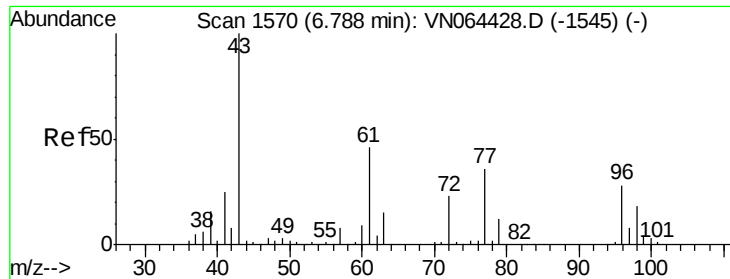
MMDadoda
 11/5/2020 2:19:32 PM



#24
 1,1-Dichloroethane
 Concen: 18.741 ug/l
 RT: 5.80 min Scan# 1262
 Delta R.T. -0.00 min
 Lab File: VN064438.D
 Acq: 4 Nov 2020 16:00

Tgt Ion: 63 Resp: 144074
 Ion Ratio Lower Upper
 63 100
 98 6.3 3.0 9.2
 100 3.9 1.8 5.3





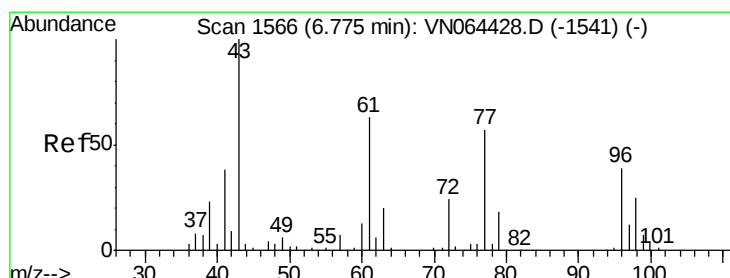
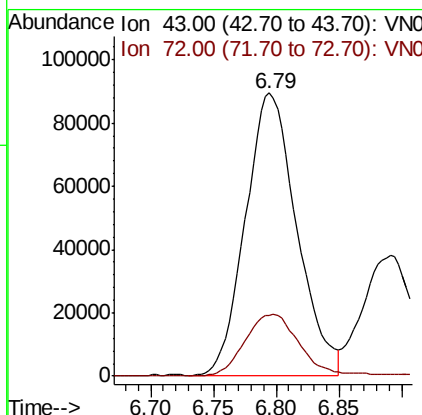
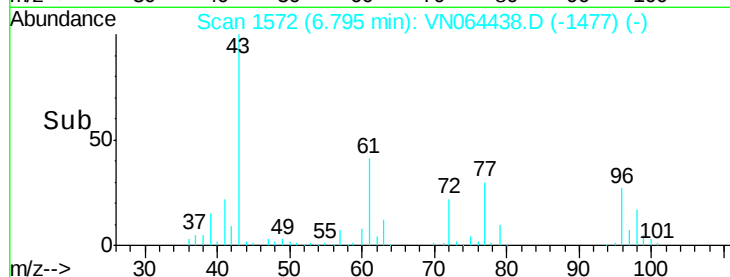
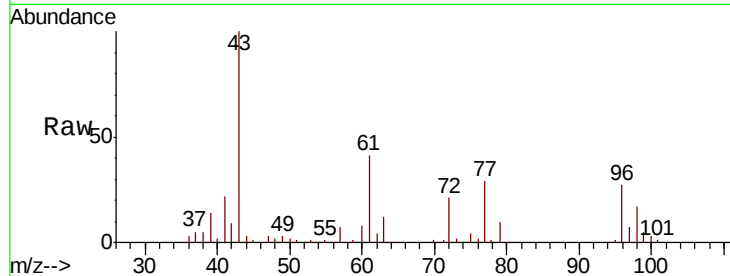
#25
2-Butanone
Concen: 95.214 ug/l
RT: 6.79 min Scan# 1572
Delta R.T. 0.01 min
Lab File: VN064438.D
Acq: 4 Nov 2020 16:00

Instrument :
MSVOA_N
ClientSampleId :
VN1104WBSD01

Tot Ion: 43 Resp: 253570
Ion Ratio Lower Upper
43 100
72 21.5 18.5 27.7

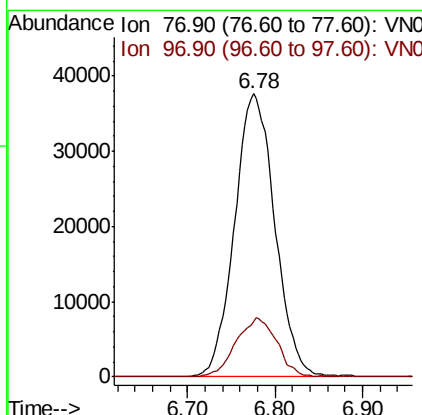
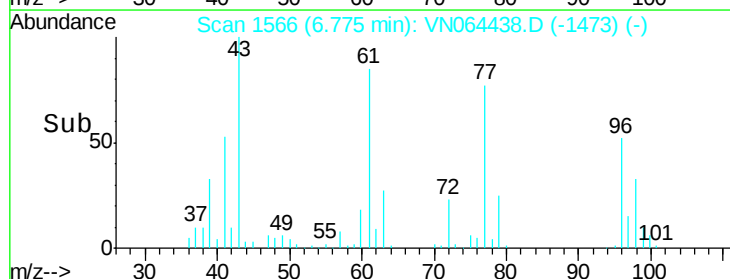
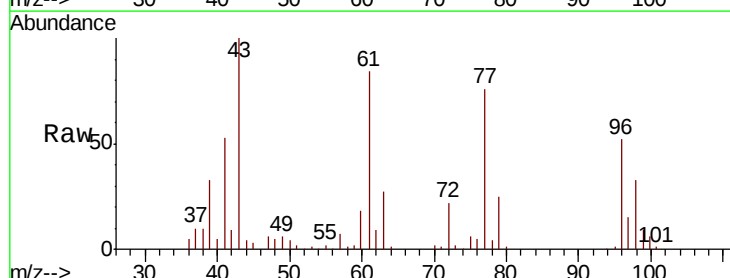
Manual Integrations
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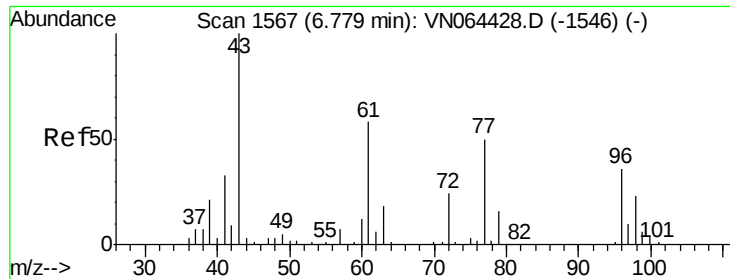
MMDadoda
11/5/2020 2:19:32 PM



#26
2,2-Dichloropropane
Concen: 17.274 ug/l
RT: 6.78 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VN064438.D
Acq: 4 Nov 2020 16:00

Tgt Ion: 77 Resp: 120214
Ion Ratio Lower Upper
77 100
97 21.1 10.2 30.6





#27

cis-1,2-Dichloroethene

Concen: 18.587 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VN064438.D

Acq: 4 Nov 2020 16:00

Instrument :

MSVOA_N

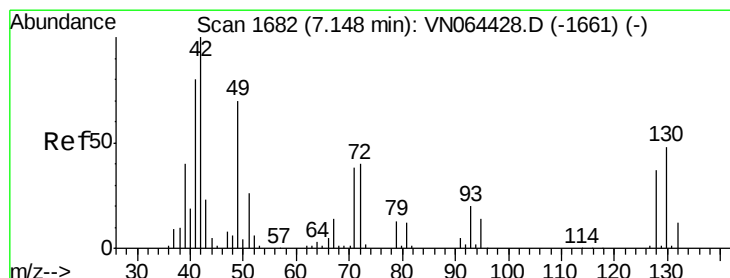
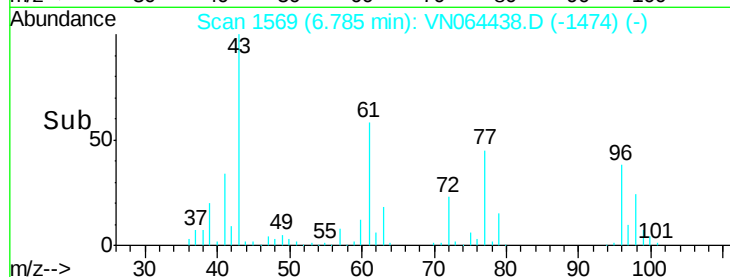
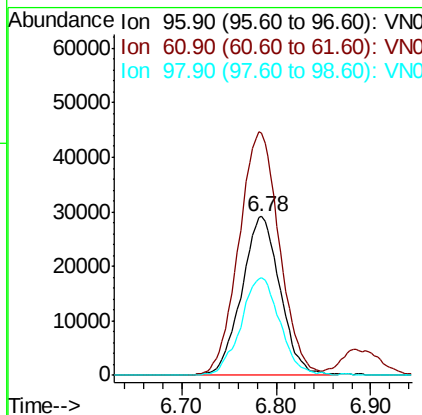
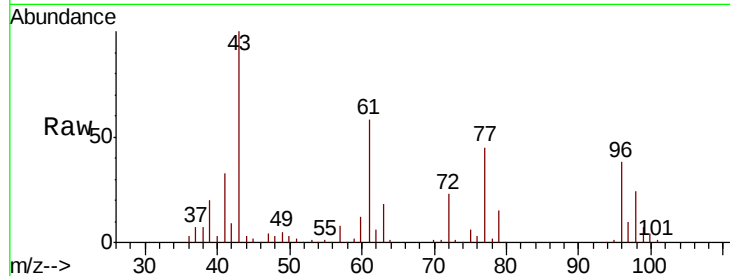
ClientSampleId :

VN1104WBSD01

Tot Ion:	96	Resp:	82389
Ion	Ratio	Lower	Upper
96	100		
61	160.9	0.0	329.6
98	61.8	0.0	131.2

Manual Integrations
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11/5/2020 2:19:32 PM



#28

Bromochloromethane

Concen: 17.564 ug/l

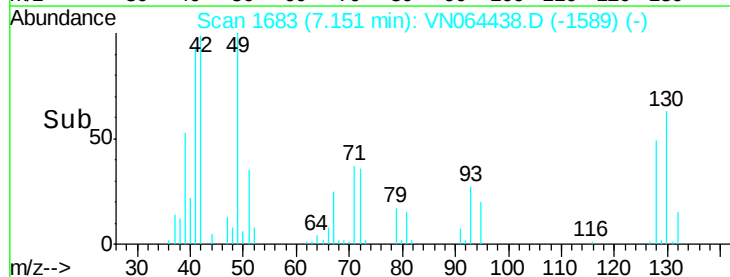
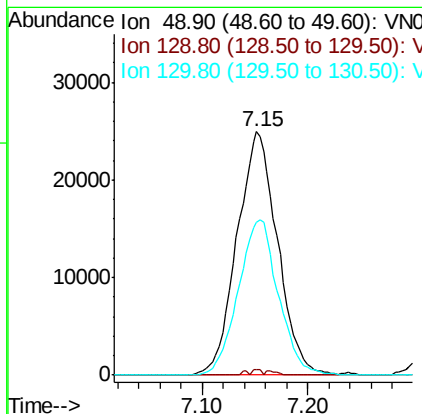
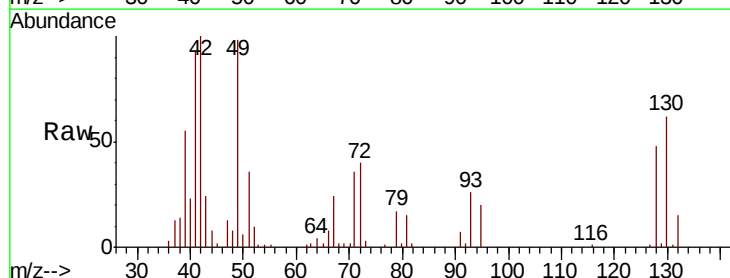
RT: 7.15 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VN064438.D

Acq: 4 Nov 2020 16:00

Tgt Ion:	49	Resp:	66370
Ion	Ratio	Lower	Upper
49	100		
129	0.5	0.0	3.6
130	63.3	54.2	81.4





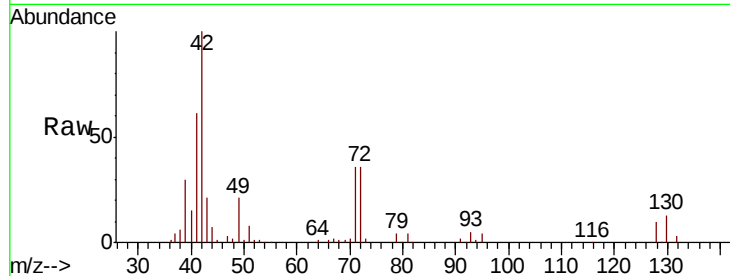
#29
Tetrahydrofuran
Concen: 98.521 ug/l
RT: 7.17 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VN064438.D
Acq: 4 Nov 2020 16:00

Instrument :
MSVOA_N
ClientSampleId :
VN1104WBSD01

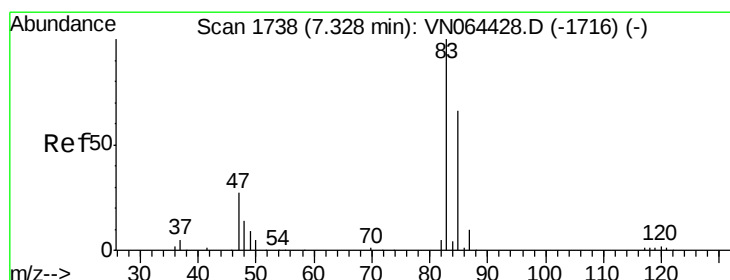
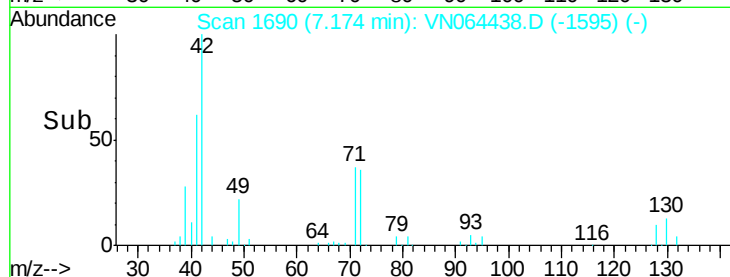
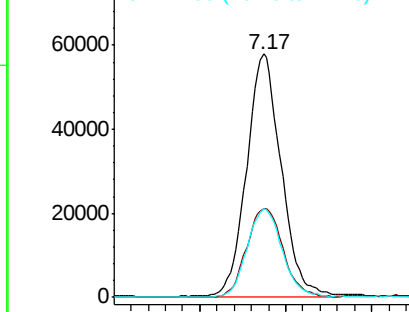
Tot Ion	Ratio	Lower	Upper
42	100		
72	38.7	31.7	47.5
71	37.3	29.8	44.6

Manual Integrations
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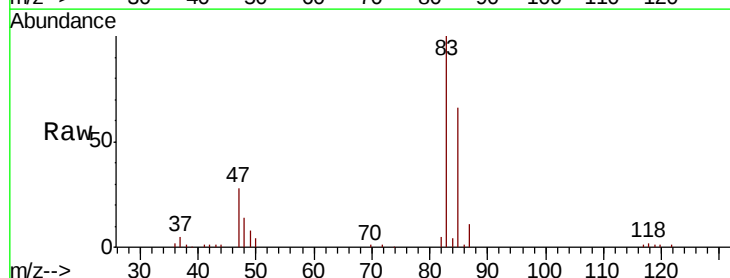


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

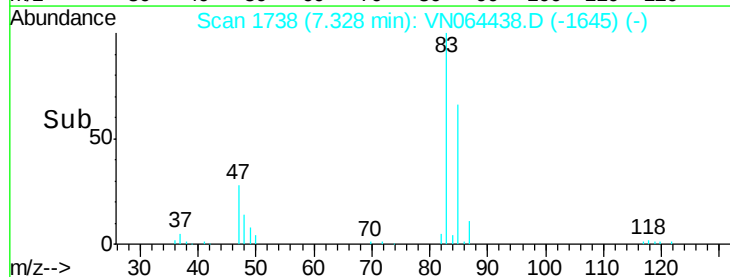
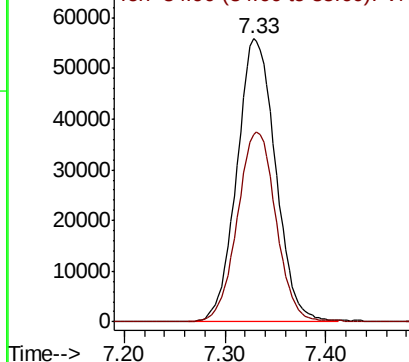


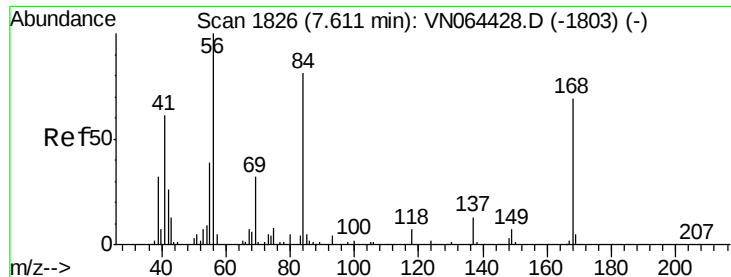
#30
Chloroform
Concen: 18.356 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN064438.D
Acq: 4 Nov 2020 16:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	52.5	78.7



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





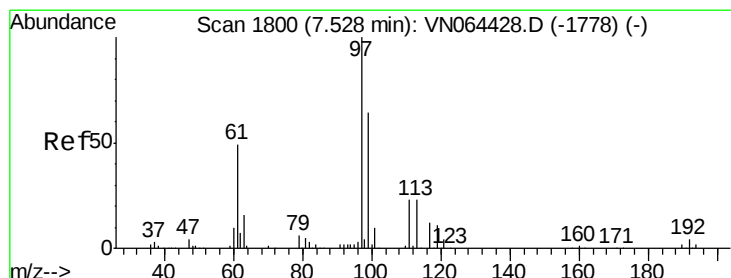
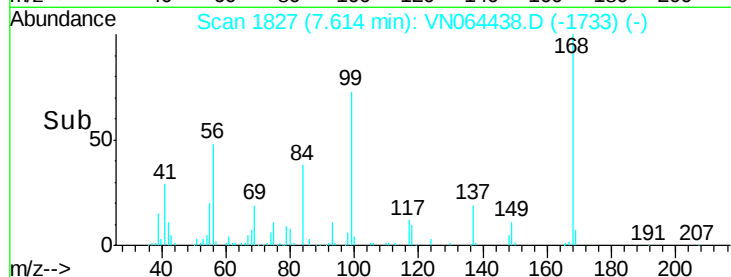
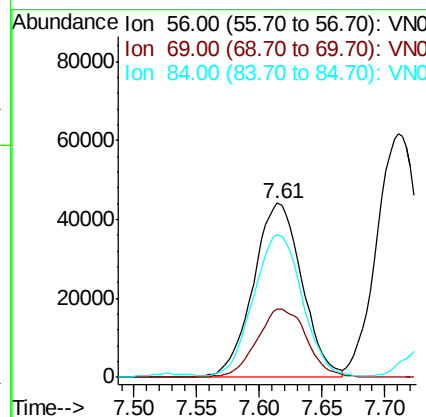
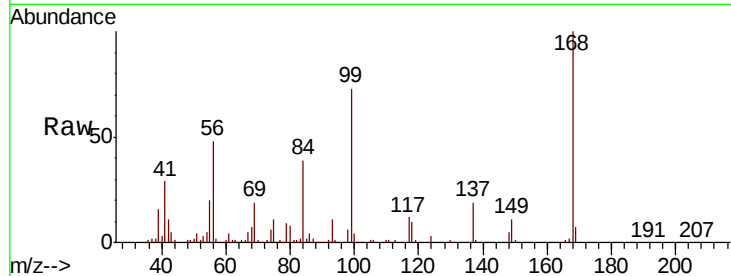
#31
Cyclohexane
Concen: 17.918 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN064438.D
Acq: 4 Nov 2020 16:00

Instrument :
MSVOA_N
ClientSampleId :
VN1104WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.2	25.6	38.4#
84	80.6	63.0	94.6

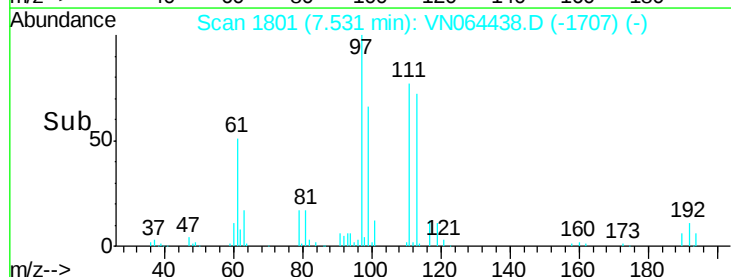
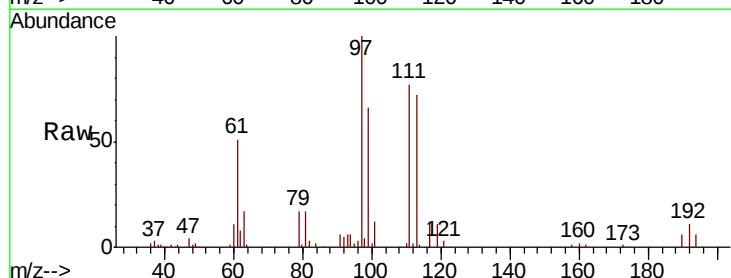
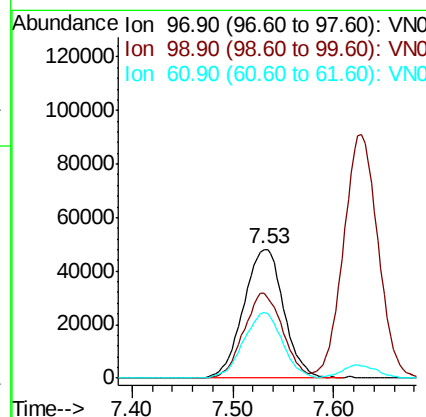
Manual Integrations
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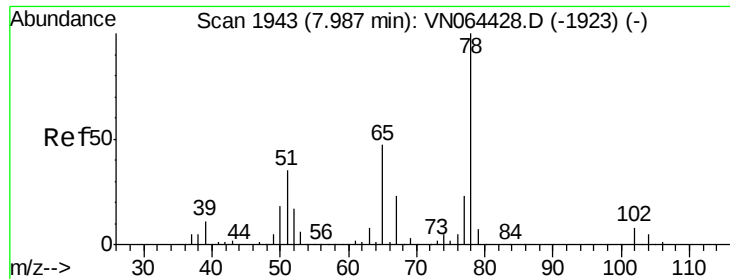
MMDadoda
11/5/2020 2:19:32 PM



#32
1,1,1-Trichloroethane
Concen: 18.515 ug/l
RT: 7.53 min Scan# 1801
Delta R.T. 0.00 min
Lab File: VN064438.D
Acq: 4 Nov 2020 16:00

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.3	76.9
61	49.2	39.1	58.7





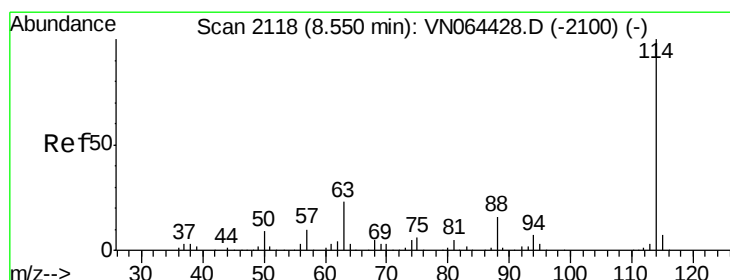
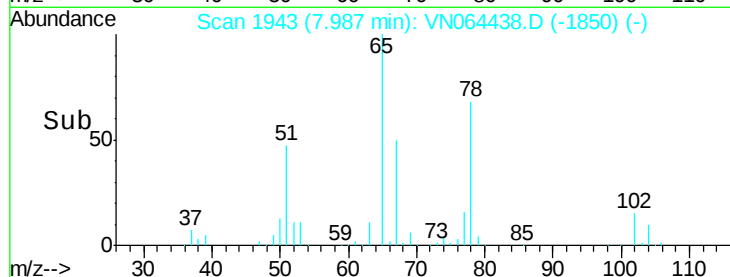
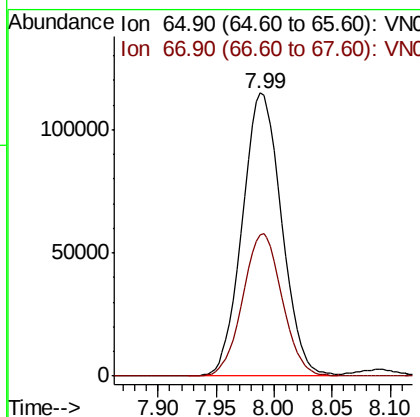
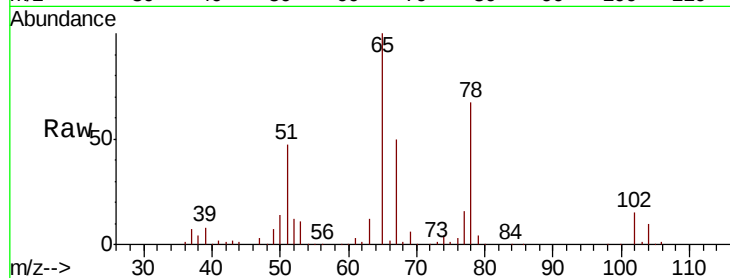
#33
 1,2-Dichloroethane-d4
 Concen: 49.497 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN064438.D
 Acq: 4 Nov 2020 16:00

Instrument :
 MSVOA_N
 ClientSampled :
 VN1104WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	271598		
67	50.5	0.0	101.6	

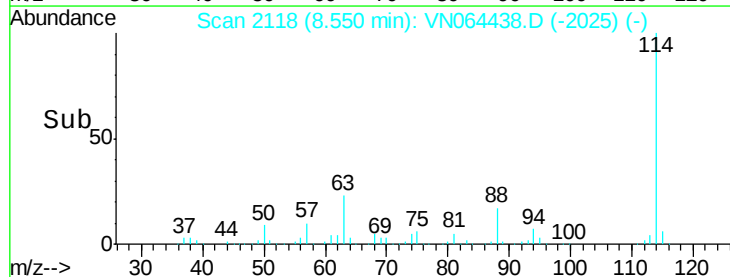
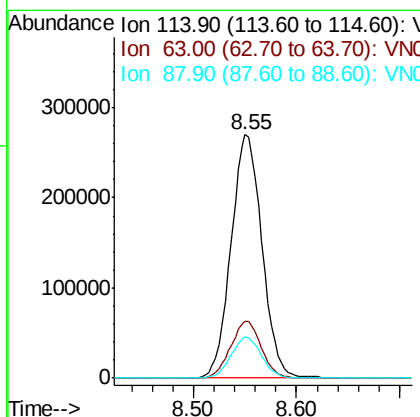
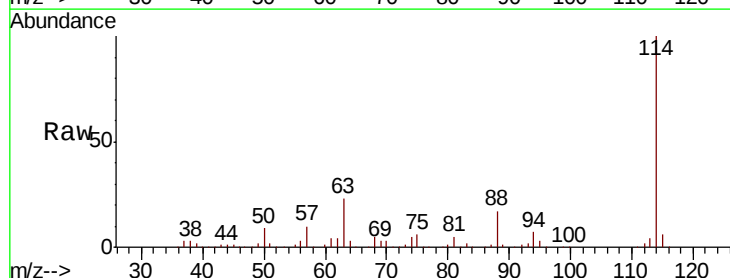
Manual Integrations
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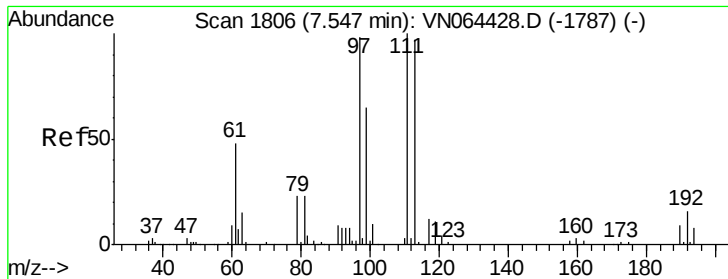
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 11/5/2020 2:19:32 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN064438.D
 Acq: 4 Nov 2020 16:00

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	563386		
63	23.3	0.0	45.6	
88	16.9	0.0	32.8	





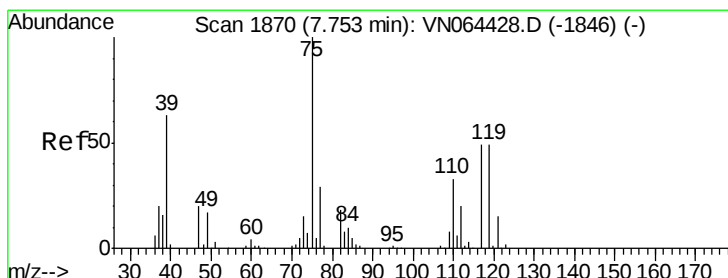
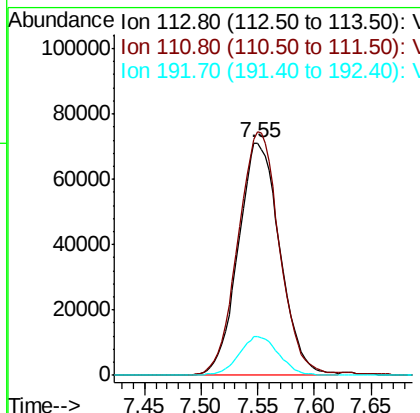
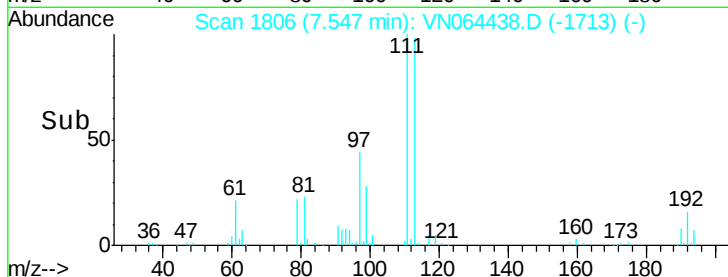
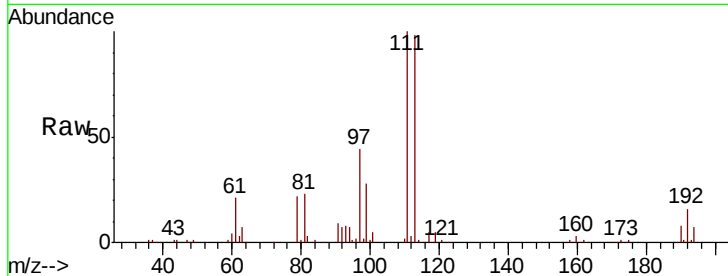
#35
 Dibromofluoromethane
 Concen: 47.565 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN064438.D
 Acq: 4 Nov 2020 16:00

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1104WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	182453		
111	104.0	81.1	121.7	
192	15.9	12.8	19.2	

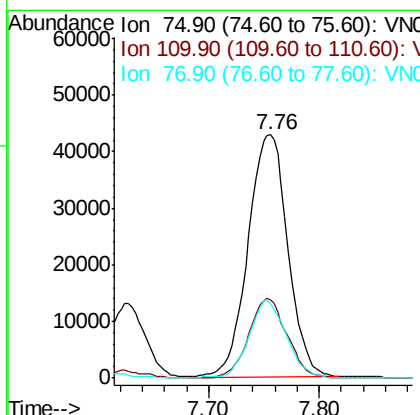
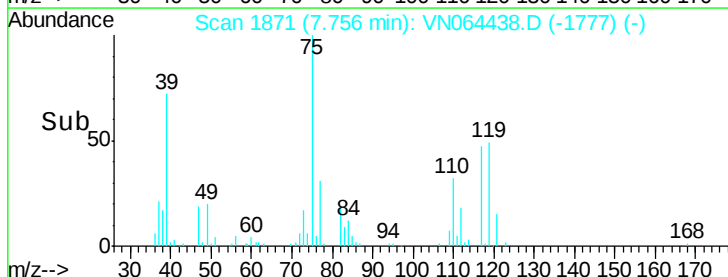
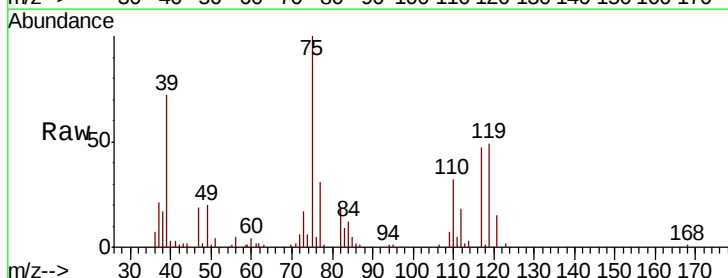
Manual Integrations
 APPROVED

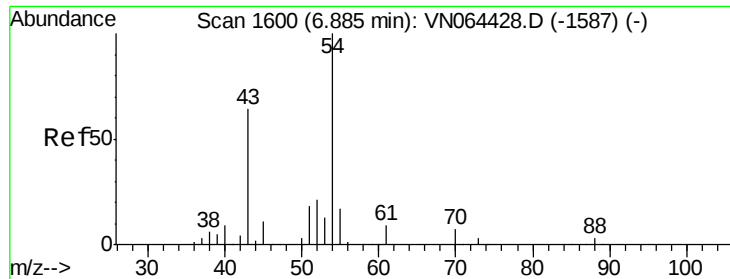
MMDadoda
 11/5/2020 2:19:32 PM



#36
 1,1-Dichloropropene
 Concen: 17.974 ug/l
 RT: 7.76 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN064438.D
 Acq: 4 Nov 2020 16:00

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	106977		
110	31.4	16.0	48.0	
77	30.2	24.0	36.0	





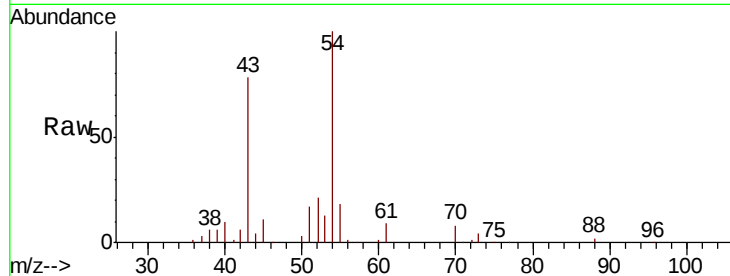
#37
Ethyl Acetate
Concen: 18.165 ug/l
RT: 6.89 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VN064438.D
Acq: 4 Nov 2020 16:00

Instrument :
MSVOA_N
ClientSampled :
VN1104WBSD01

Tot Ion	43	61	70
Resp	106749		
Ratio	100	11.8	9.1
Lower		10.0	7.1
Upper		15.0	10.7

Manual Integrations
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11/5/2020 2:19:32 PM

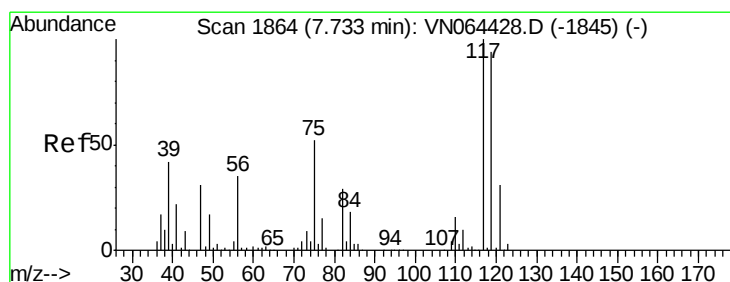
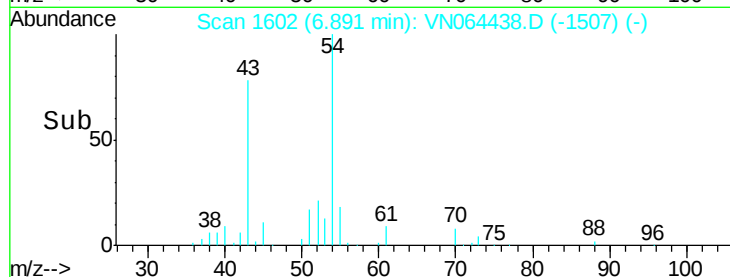
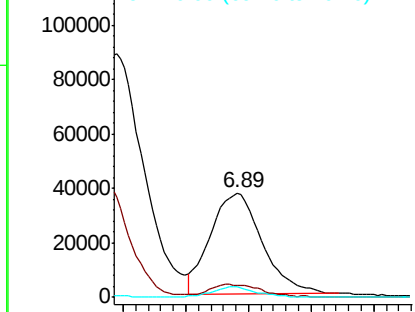


Abundance

Ion 43.00 (42.70 to 43.70): VN064438.D (-1507) (-)

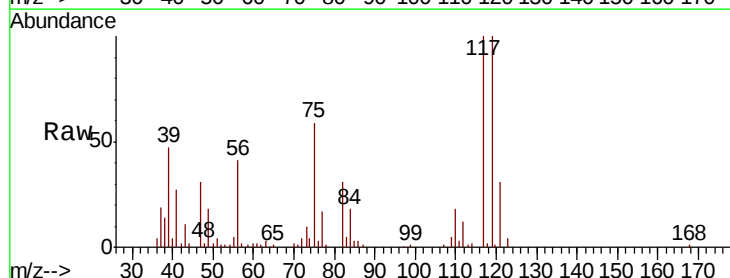
Ion 60.90 (60.60 to 61.60): VN064438.D (-1507) (-)

Ion 70.00 (69.70 to 70.70): VN064438.D (-1507) (-)



#38
Carbon Tetrachloride
Concen: 18.072 ug/l
RT: 7.74 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN064438.D
Acq: 4 Nov 2020 16:00

Tgt Ion	117	119	121
Resp	114956		
Ratio	100	100.1	31.3
Lower		75.5	24.4
Upper		113.3	36.6

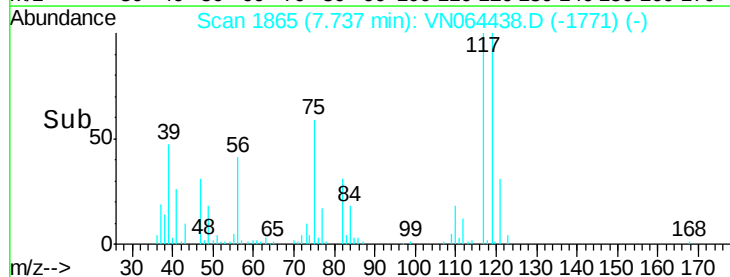
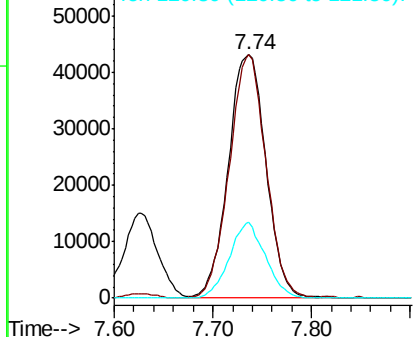


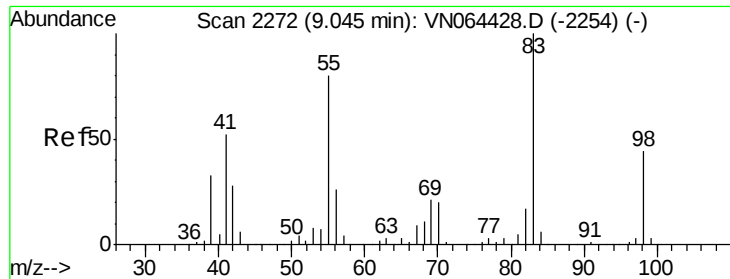
Abundance

Ion 116.80 (116.50 to 117.50): VN064438.D (-1771) (-)

Ion 118.80 (118.50 to 119.50): VN064438.D (-1771) (-)

Ion 120.80 (120.50 to 121.50): VN064438.D (-1771) (-)





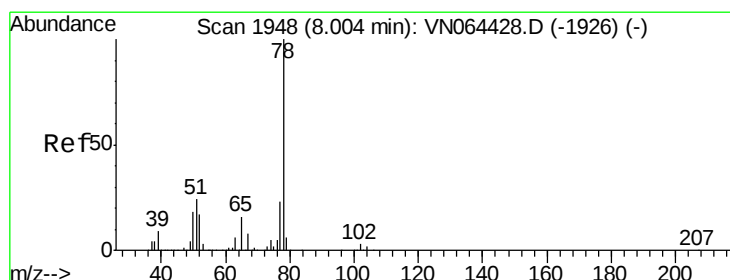
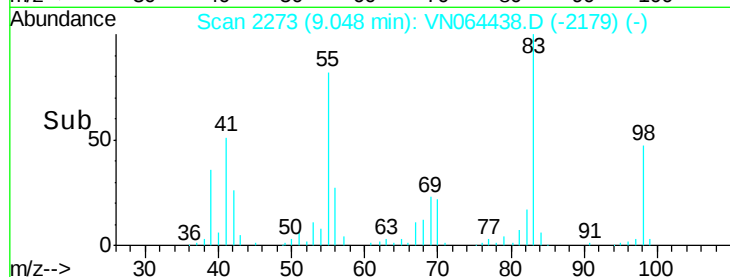
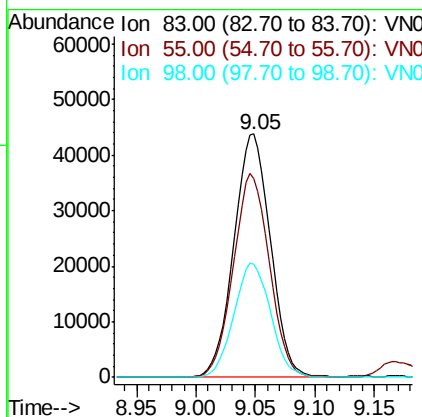
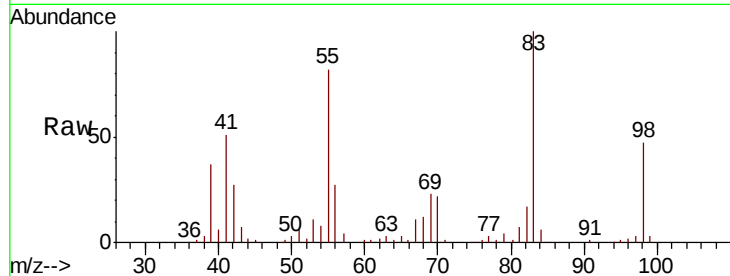
#39
Methvlcvclohexane
Concen: 17.534 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN064438.D
Acq: 4 Nov 2020 16:00

Instrument :
MSVOA_N
ClientSampleId :
VN1104WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.9	63.8	95.6
98	46.6	35.4	53.2

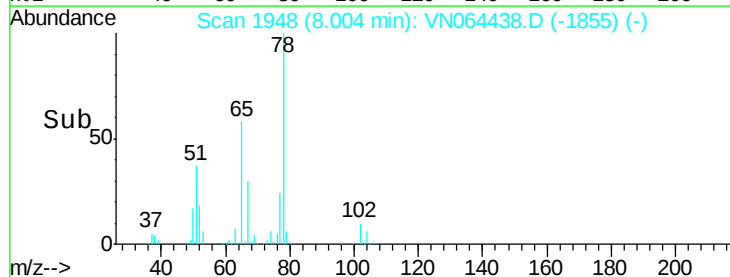
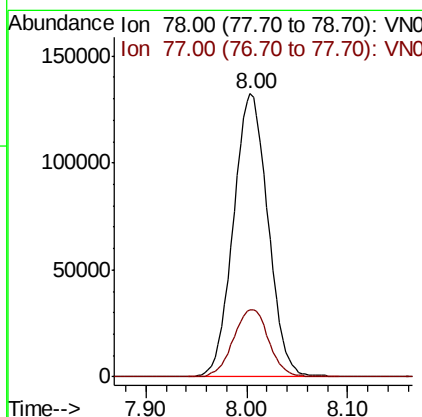
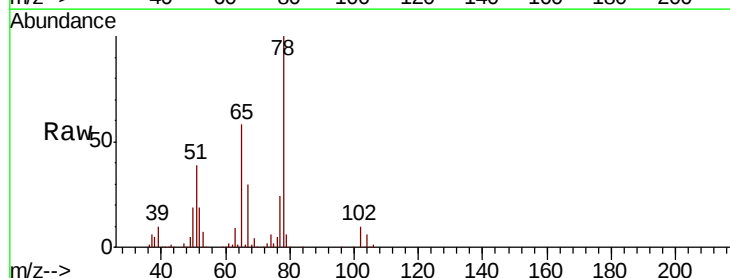
Manual Integrations
APPROVED

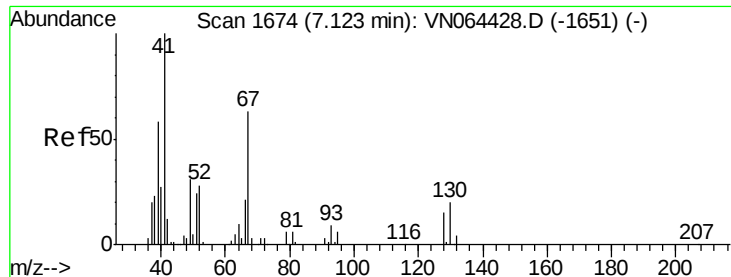
MMDadoda
11/5/2020 2:19:32 PM



#40
Benzene
Concen: 17.983 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN064438.D
Acq: 4 Nov 2020 16:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.7	28.1





#41

Methacrylonitrile

Concen: 20.393 ug/l m

RT: 7.12 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VN064438.D

Acq: 4 Nov 2020 16:00

Instrument :

MSVOA_N

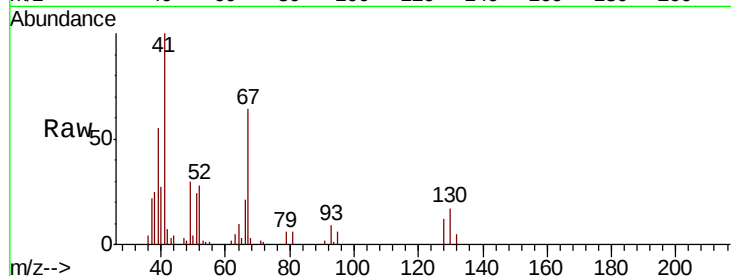
ClientSampleId :

VN1104WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.6	50.0	75.0	
67	72.0	68.3	102.5	
52	33.1	32.7	49.1	

Manual Integrations
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11/5/2020 2:19:32 PM



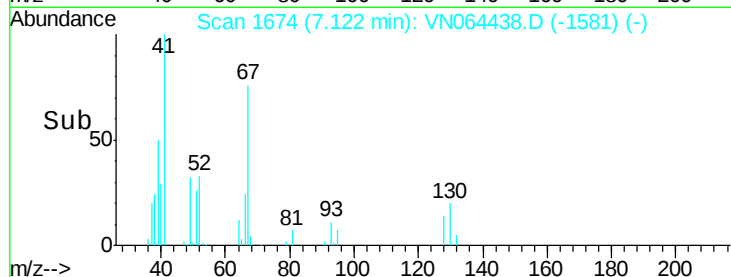
Abundance Ion 41.00 (40.70 to 41.70): VN064438.D (-1581) (-)

Ion 39.00 (38.70 to 39.70): VN064438.D (-1581) (-)

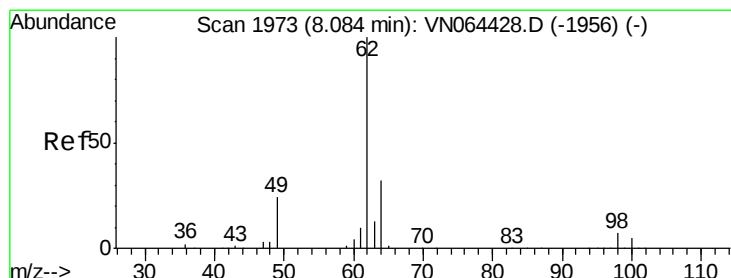
Ion 67.00 (66.70 to 67.70): VN064438.D (-1581) (-)

Ion 52.00 (51.70 to 52.70): VN064438.D (-1581) (-)

Time-->



Time-->



#42

1,2-Dichloroethane

Concen: 18.905 ug/l

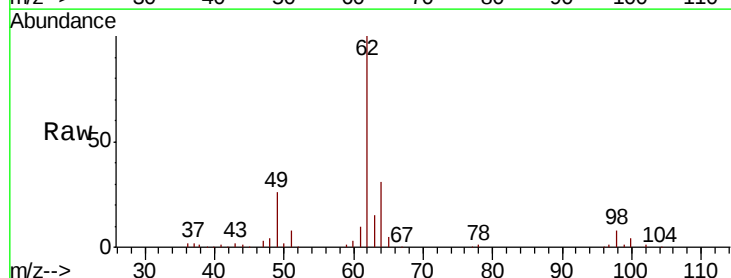
RT: 8.09 min Scan# 1974

Delta R.T. 0.00 min

Lab File: VN064438.D

Acq: 4 Nov 2020 16:00

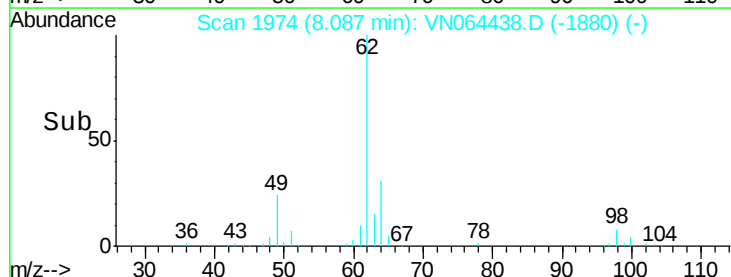
Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.4	0.0	14.0	



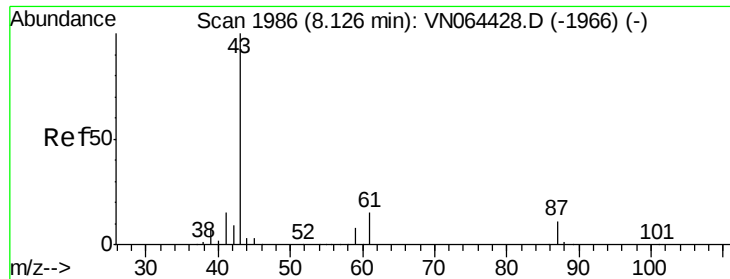
Abundance Ion 61.90 (61.60 to 62.60): VN064438.D (-1880) (-)

Ion 97.90 (97.60 to 98.60): VN064438.D (-1880) (-)

Time-->



Time-->



#43

Isopropyl Acetate

Concen: 18.553 ug/l

RT: 8.13 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN064438.D

Acq: 4 Nov 2020 16:00

Instrument :

MSVOA_N

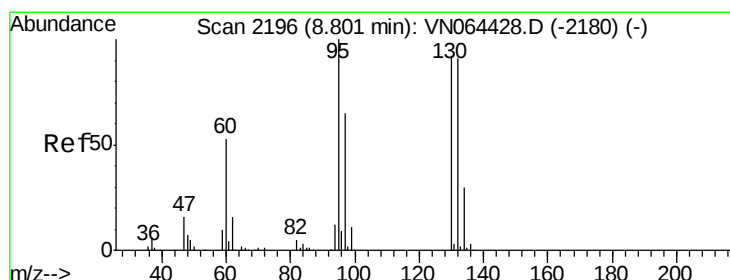
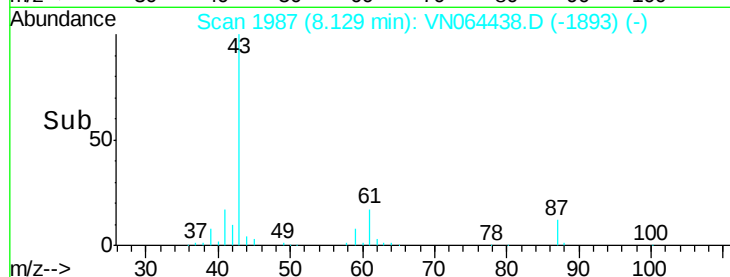
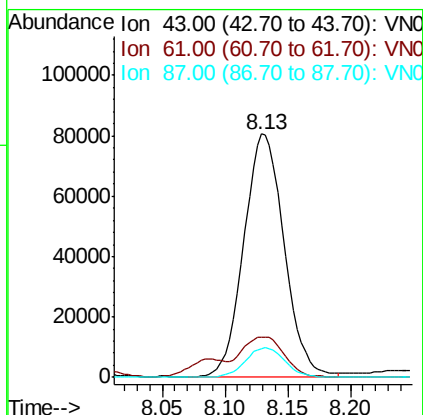
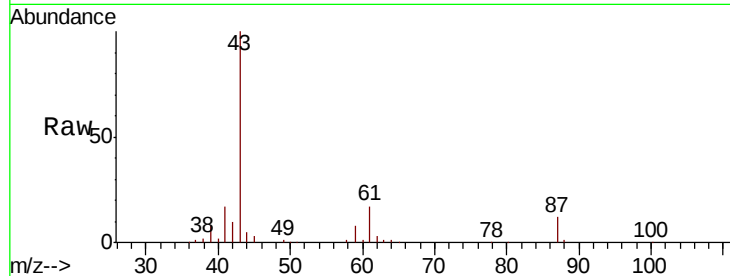
ClientSampleId :

VN1104WBSD01

Tot Ion:	43	Resp:	178947
Ion	Ratio	Lower	Upper
43	100		
61	17.4	14.0	21.0
87	12.1	9.1	13.7

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#44

Trichloroethene

Concen: 17.932 ug/l

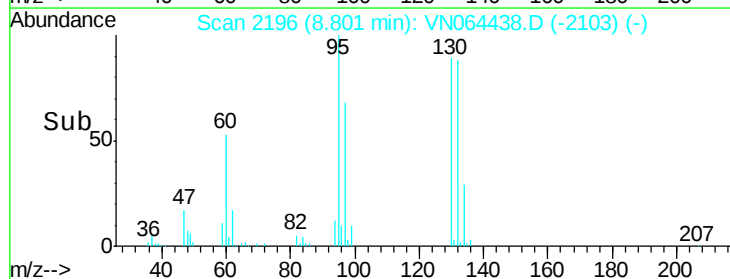
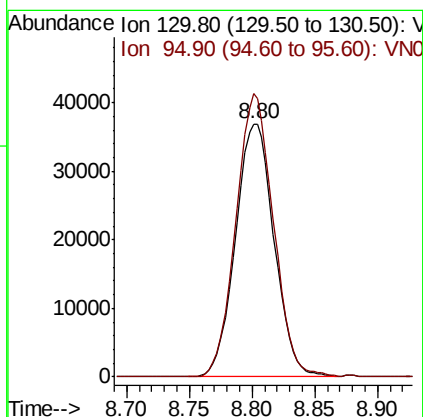
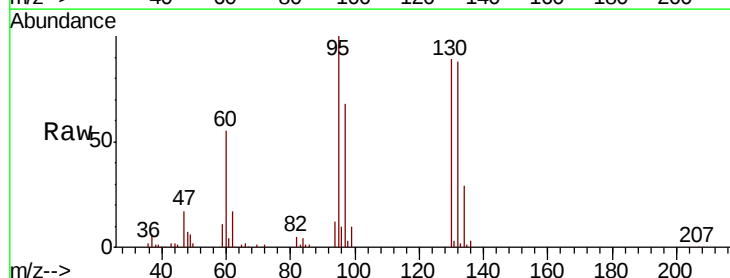
RT: 8.80 min Scan# 2196

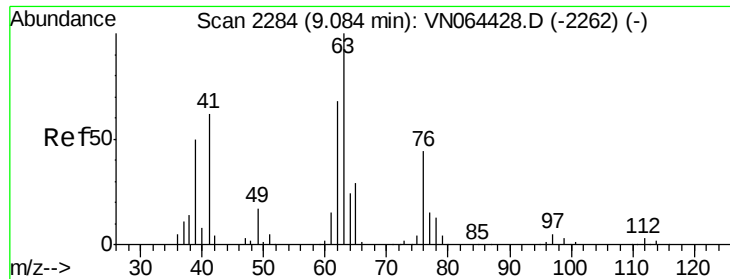
Delta R.T. -0.00 min

Lab File: VN064438.D

Acq: 4 Nov 2020 16:00

Tgt Ion:	130	Resp:	79126
Ion	Ratio	Lower	Upper
130	100		
95	111.8	0.0	216.8





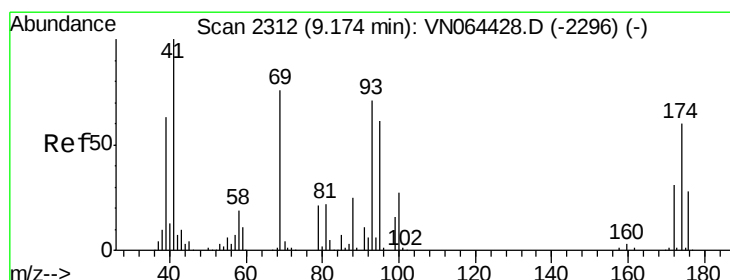
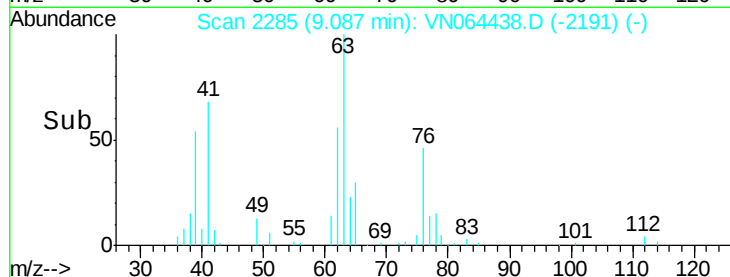
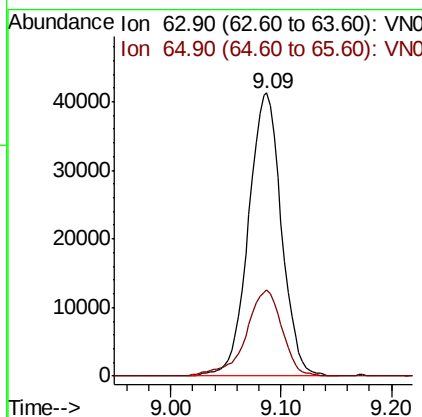
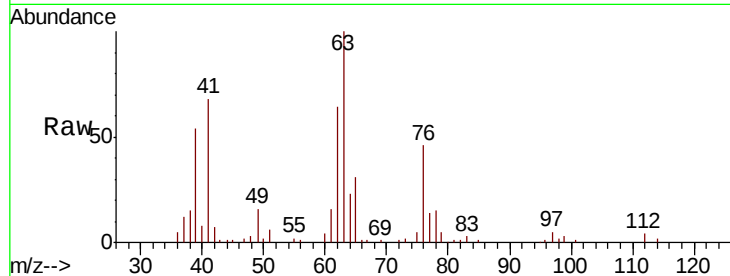
#45
 1,2-Dichloropropane
 Concen: 18.314 ug/l
 RT: 9.09 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN064438.D
 Acq: 4 Nov 2020 16:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1104WBSD01

Tot Ion: 63 Resp: 85464
 Ion Ratio Lower Upper
 63 100
 65 30.7 23.6 35.4

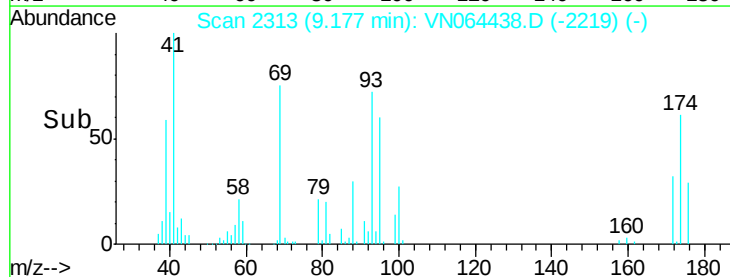
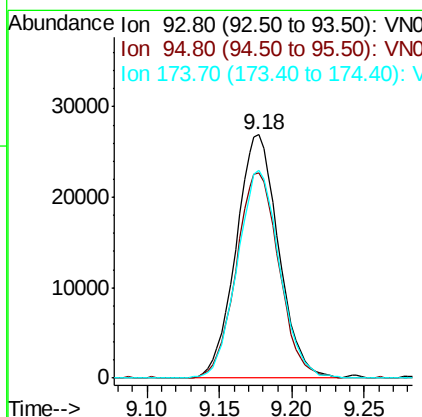
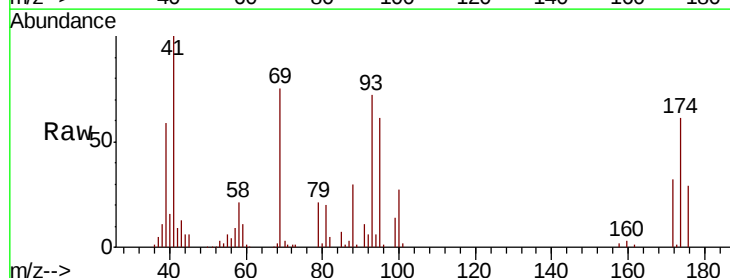
Manual Integrations
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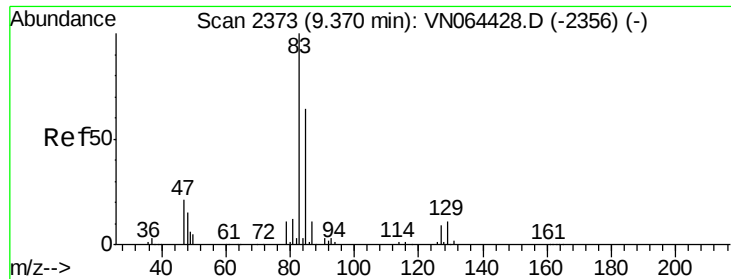
MMDadoda
 11/5/2020 2:19:32 PM



#46
 Dibromomethane
 Concen: 17.886 ug/l
 RT: 9.18 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN064438.D
 Acq: 4 Nov 2020 16:00

Tgt Ion: 93 Resp: 54944
 Ion Ratio Lower Upper
 93 100
 95 84.7 66.4 99.6
 174 85.2 67.2 100.8





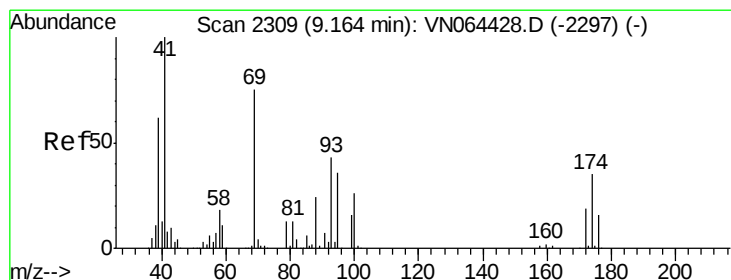
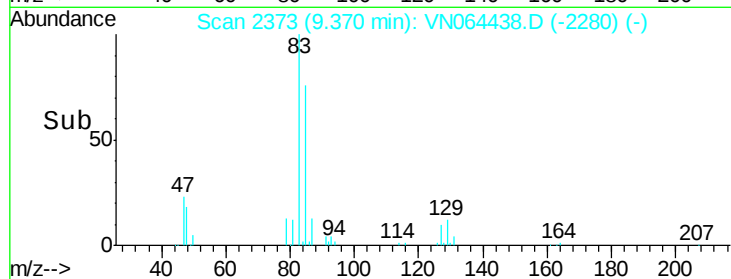
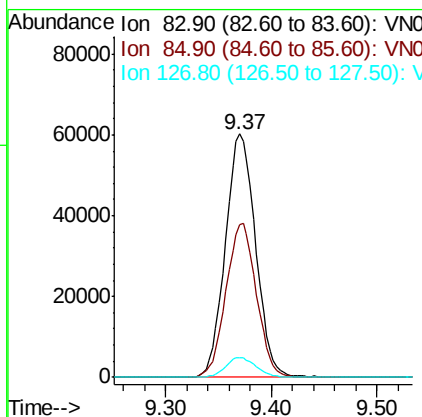
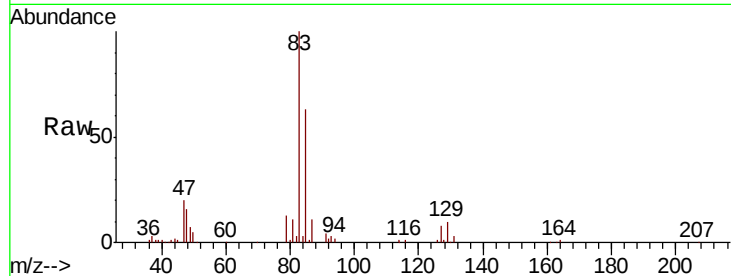
#47
Bromodichloromethane
Concen: 18.116 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN064438.D
Acq: 4 Nov 2020 16:00

Instrument :
MSVOA_N
ClientSampleId :
VN1104WBSD01

Tot Ion	83	Resp	119664
Ion Ratio	100		
85	62.8	51.2	76.8
127	8.3	6.9	10.3

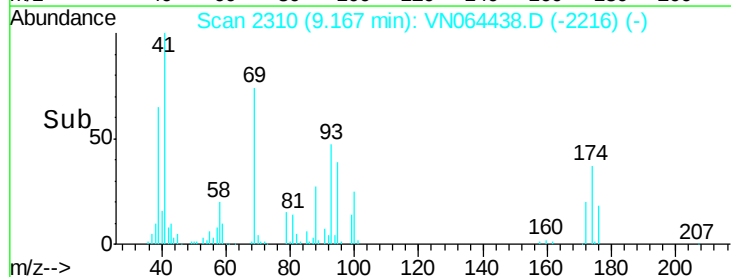
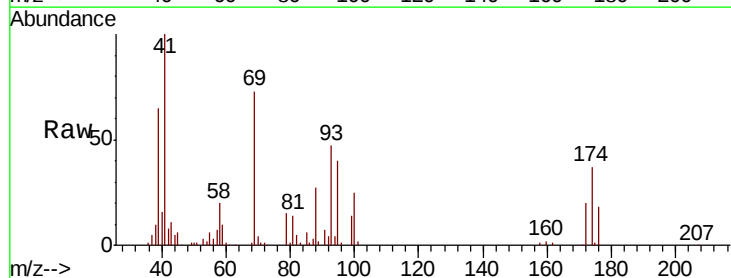
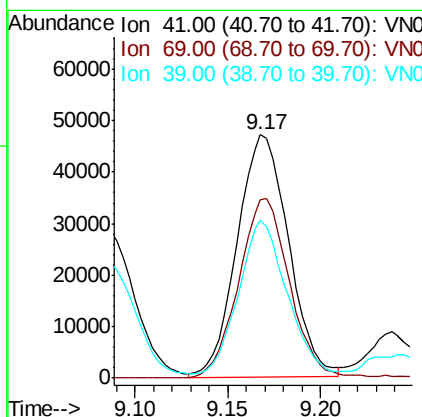
Manual Integrations
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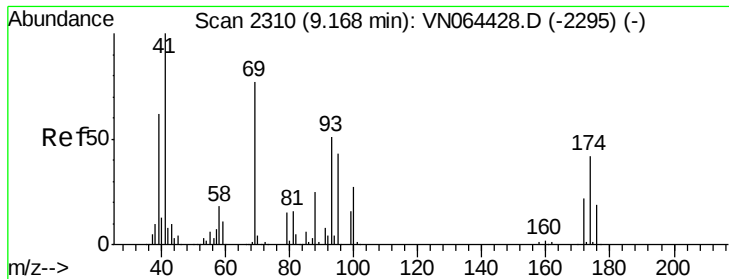
MMDadoda
11/5/2020 2:19:32 PM



#48
Methyl methacrylate
Concen: 18.638 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN064438.D
Acq: 4 Nov 2020 16:00

Tgt Ion	41	Resp	90714
Ion Ratio	100		
69	73.3	60.4	90.6
39	61.9	51.2	76.8





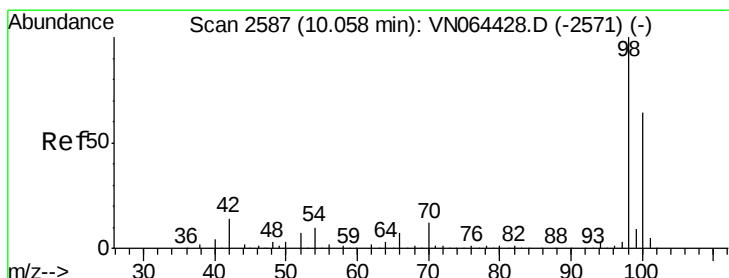
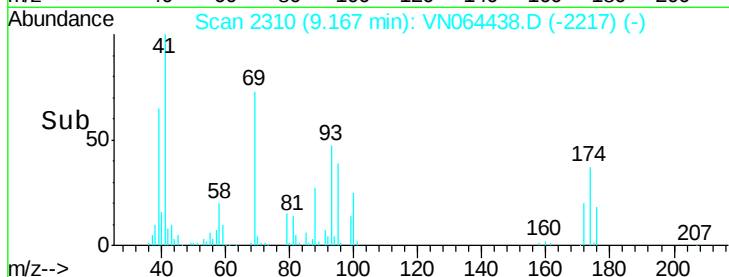
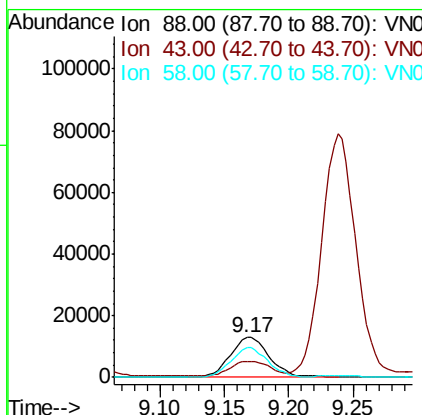
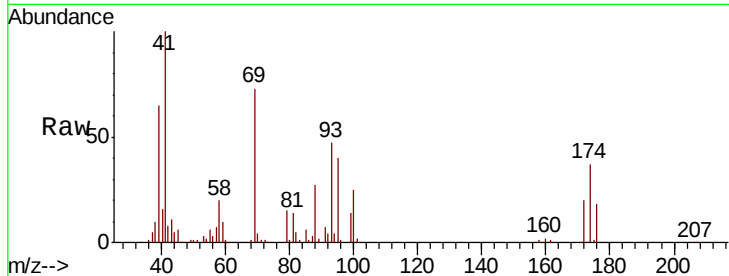
#49
1,4-Dioxane
Concen: 426.121 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN064438.D
Acq: 4 Nov 2020 16:00

Instrument :
MSVOA_N
ClientSampleId :
VN1104WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.6	31.0	46.6
58	71.2	58.4	87.6

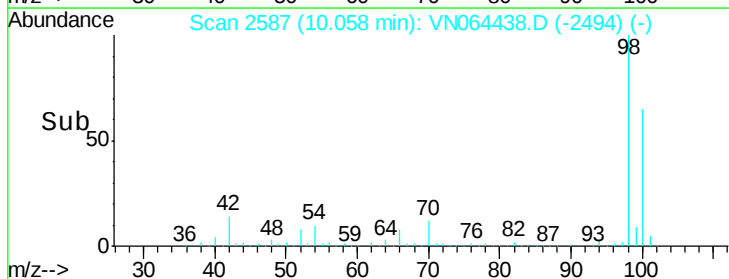
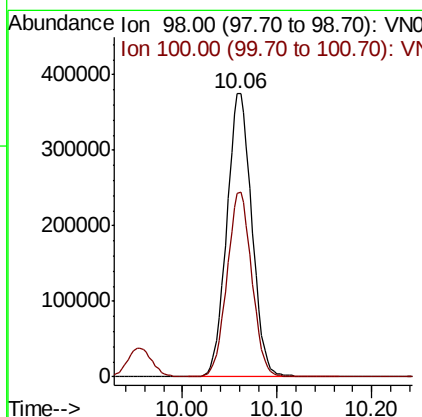
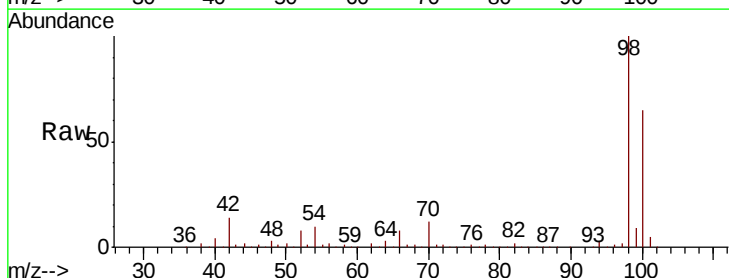
Manual Integrations
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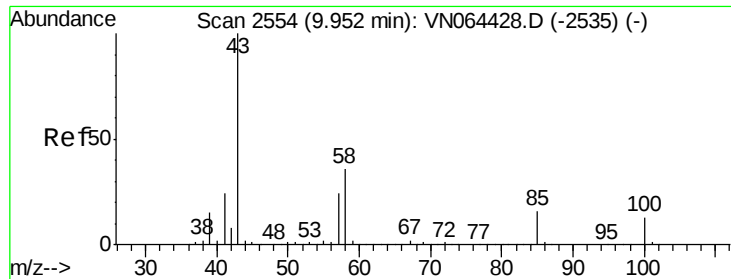
MMDadoda
11/5/2020 2:19:32 PM



#50
Toluene-d8
Concen: 46.514 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN064438.D
Acq: 4 Nov 2020 16:00

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	50.7	76.1





#51

4-Methyl-2-Pentanone

Concen: 98.917 ug/l

RT: 9.96 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN064438.D

Acq: 4 Nov 2020 16:00

Instrument :

MSVOA_N

ClientSampleId :

VN1104WBSD01

Tot Ion: 43 Resp: 556396

Ion Ratio Lower Upper

43 100

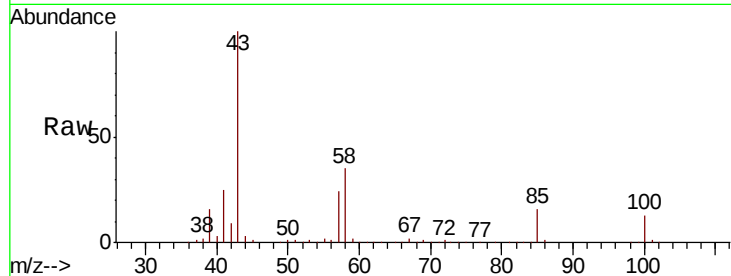
58 35.4 28.4 42.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN064438.D (-2535) (-)

Ion 58.00 (57.70 to 58.70): VN064438.D (-2535) (-)

9.96

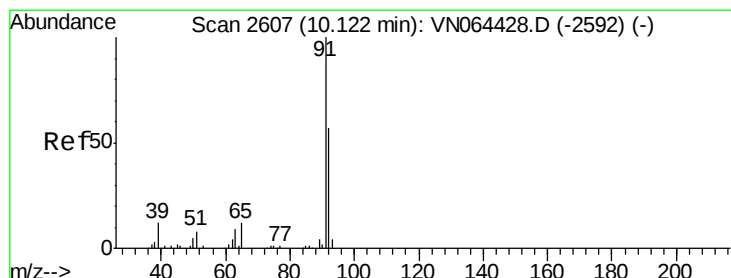
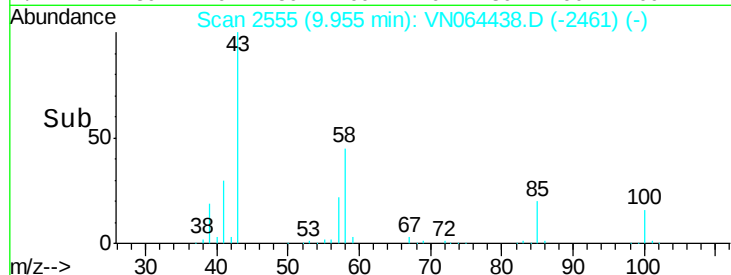
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 18.104 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN064438.D

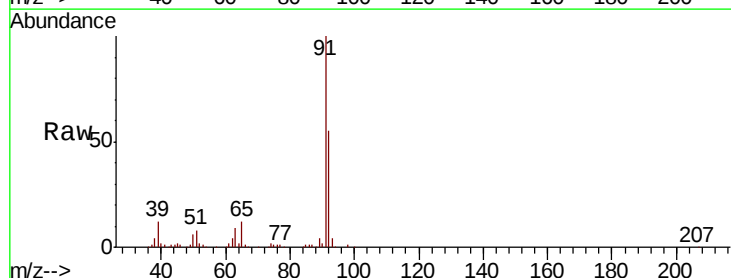
Acq: 4 Nov 2020 16:00

Tgt Ion: 92 Resp: 193112

Ion Ratio Lower Upper

92 100

91 178.3 139.6 209.4



Abundance Ion 92.00 (91.70 to 92.70): VN064438.D (-2514) (-)

Ion 91.00 (90.70 to 91.70): VN064438.D (-2514) (-)

10.13

200000

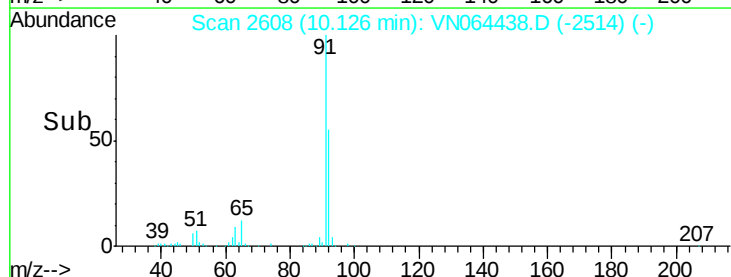
150000

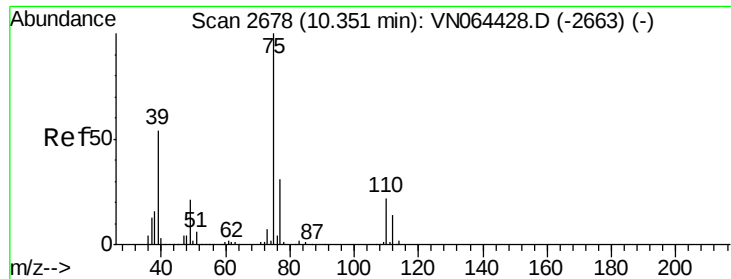
100000

50000

0

Time-->





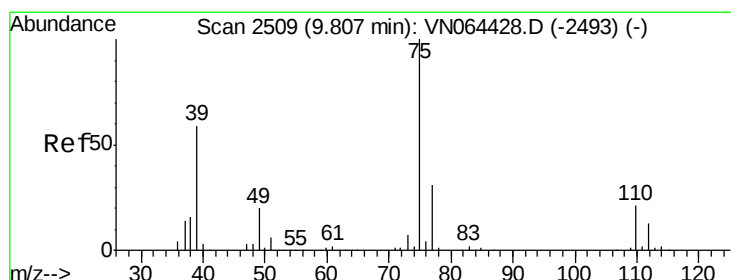
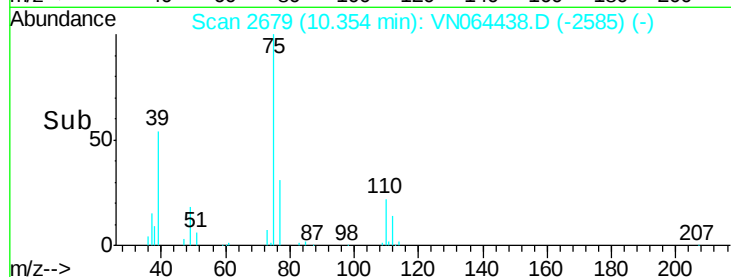
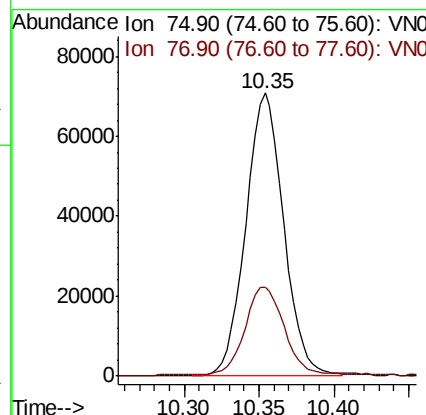
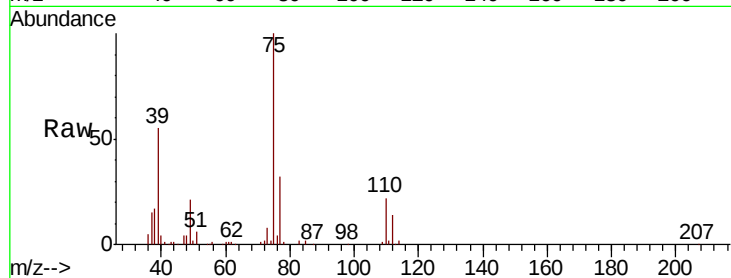
#53
t-1,3-Dichloropropene
Concen: 17.830 ug/l
RT: 10.35 min Scan# 2679
Delta R.T. 0.00 min
Lab File: VN064438.D
Acq: 4 Nov 2020 16:00

Instrument :
MSVOA_N
ClientSampleId :
VN1104WBSD01

Tot Ion: 75 Resp: 124858
Ion Ratio Lower Upper
75 100
77 31.0 24.8 37.2

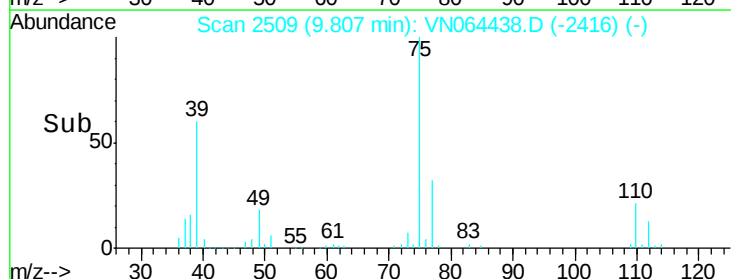
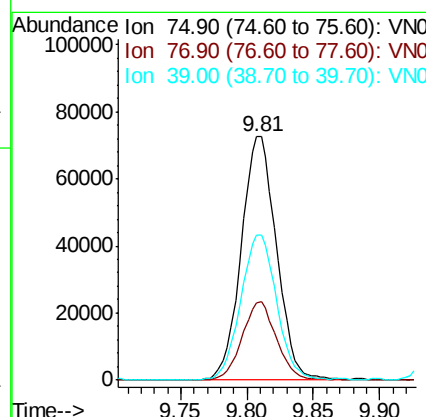
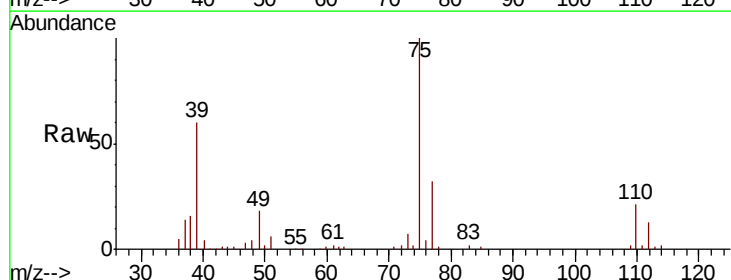
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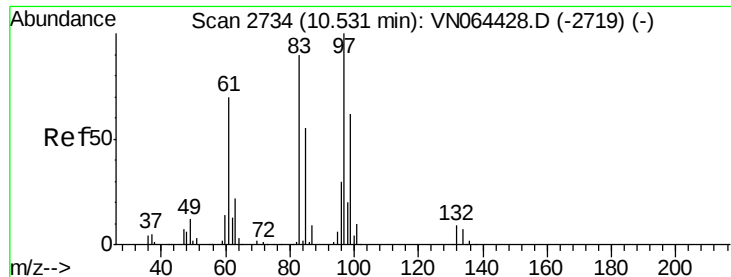
MMDadoda
11/5/2020 2:19:32 PM



#54
cis-1,3-Dichloropropene
Concen: 17.877 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN064438.D
Acq: 4 Nov 2020 16:00

Tgt Ion: 75 Resp: 133850
Ion Ratio Lower Upper
75 100
77 31.8 24.9 37.3
39 59.3 47.1 70.7





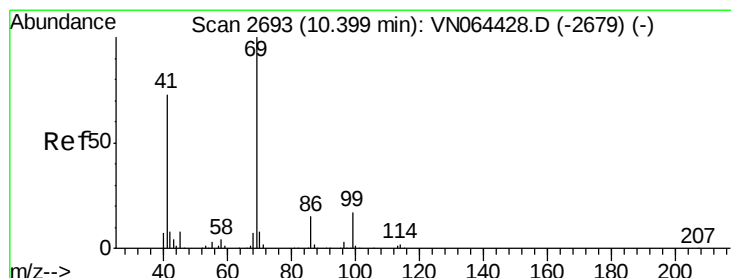
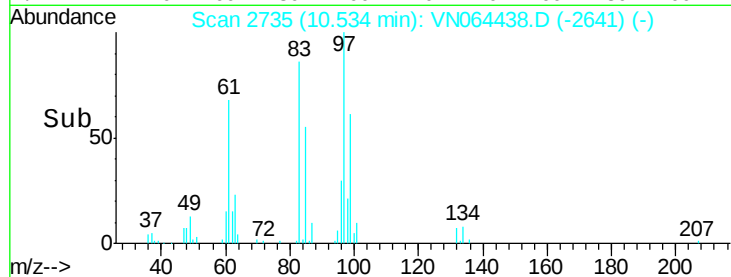
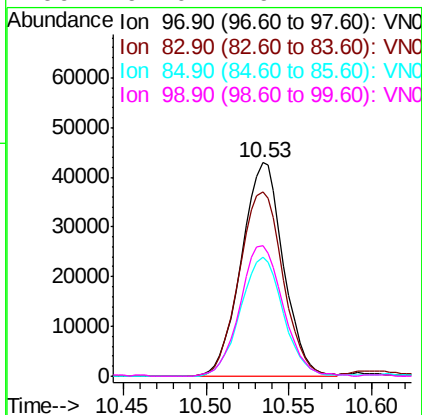
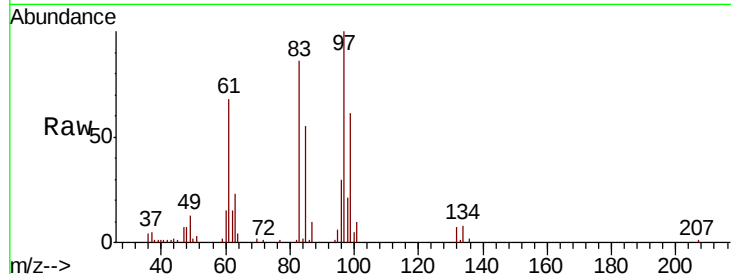
#55
 1,1,2-Trichloroethane
 Concen: 18.160 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN064438.D
 Acq: 4 Nov 2020 16:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1104WBSD01

Tot Ion	Ratio	Lower	Upper
97	100		
83	86.0	71.7	107.5
85	55.5	44.3	66.5
99	61.0	49.4	74.2

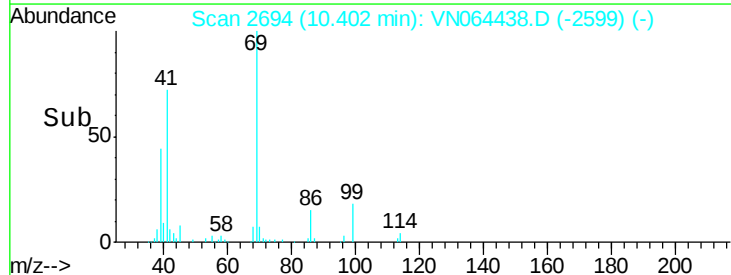
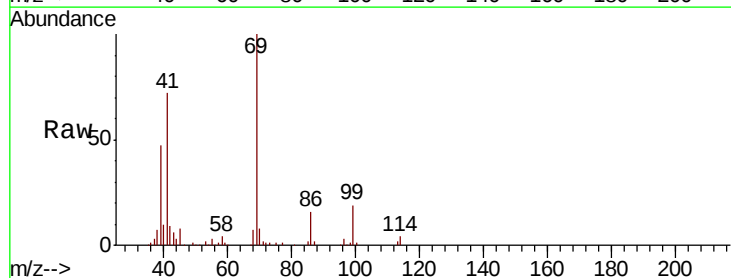
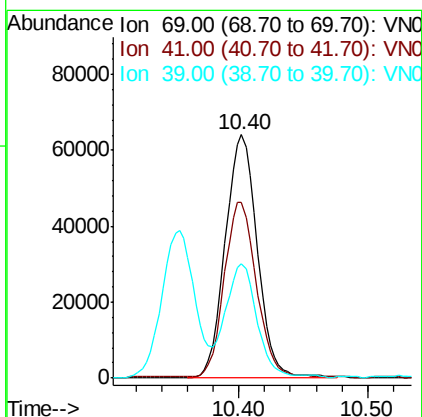
Manual Integrations
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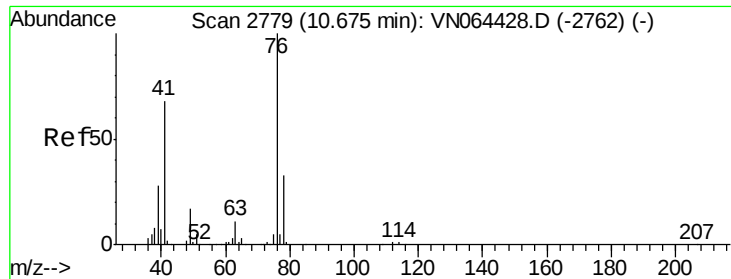
MMDadoda
 11/5/2020 2:19:32 PM



#56
 Ethyl methacrylate
 Concen: 17.444 ug/l
 RT: 10.40 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VN064438.D
 Acq: 4 Nov 2020 16:00

Tgt Ion	Ratio	Lower	Upper
69	100		
41	71.3	59.3	88.9
39	45.6	35.4	53.0





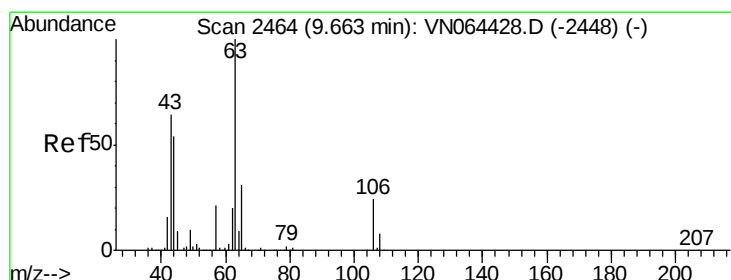
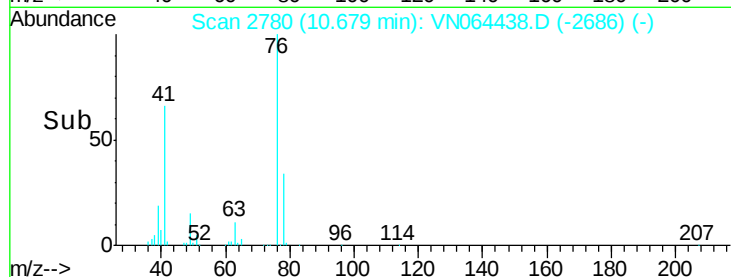
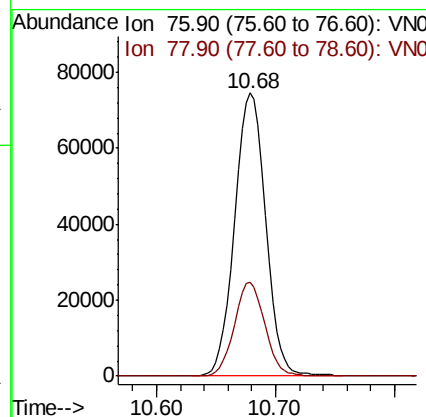
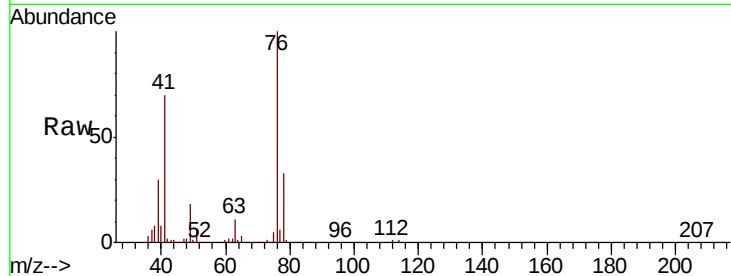
#57
 1,3-Dichloropropane
 Concen: 18.613 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. 0.00 min
 Lab File: VN064438.D
 Acq: 4 Nov 2020 16:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1104WBSD01

Tot Ion: 76 Resp: 135158
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.8 38.6

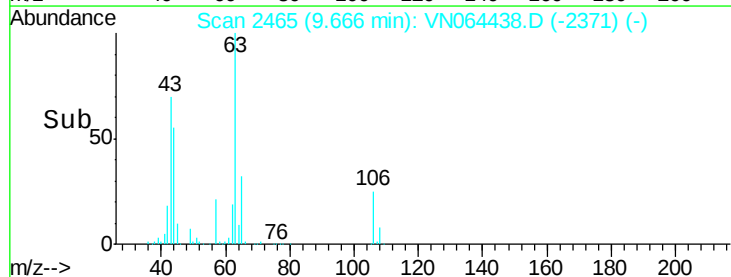
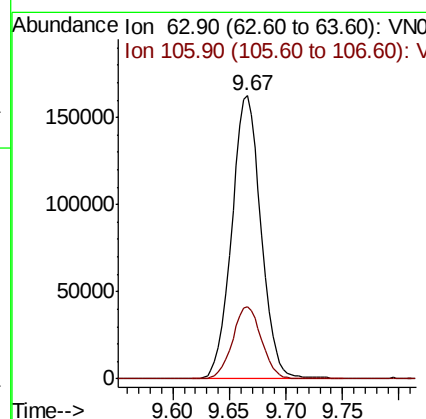
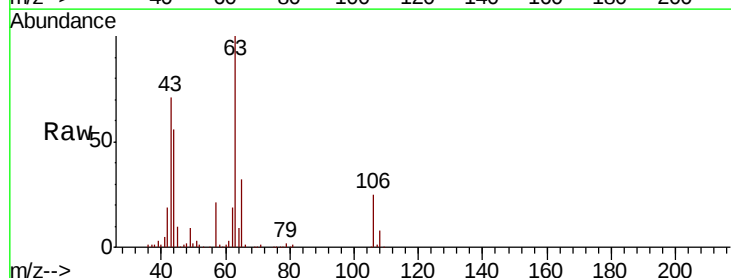
Manual Integrations
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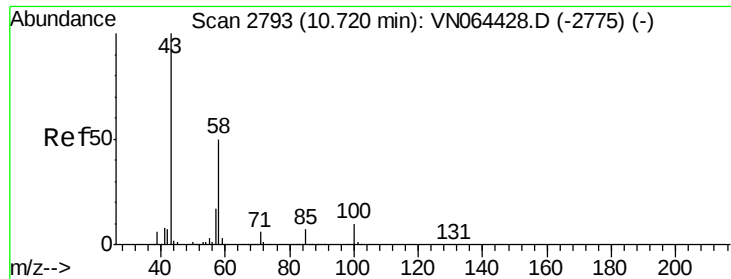
MMDadoda
 11/5/2020 2:19:32 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 104.251 ug/l
 RT: 9.67 min Scan# 2465
 Delta R.T. 0.00 min
 Lab File: VN064438.D
 Acq: 4 Nov 2020 16:00

Tgt Ion: 63 Resp: 292729
 Ion Ratio Lower Upper
 63 100
 106 25.2 19.5 29.3





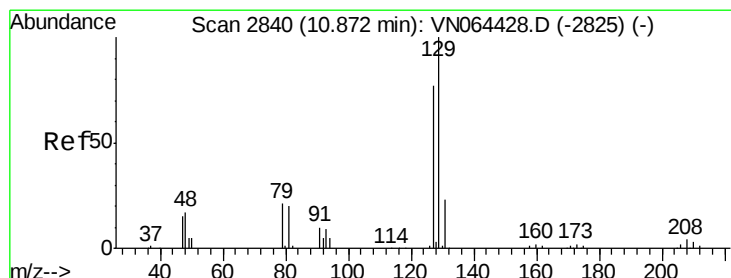
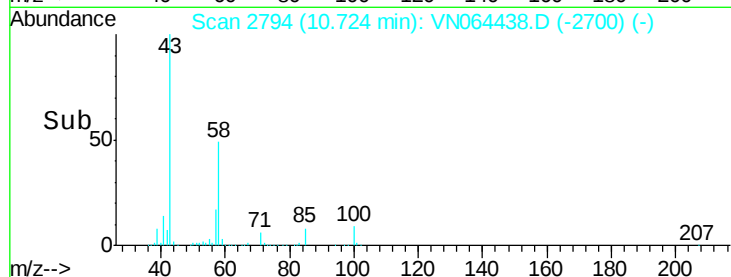
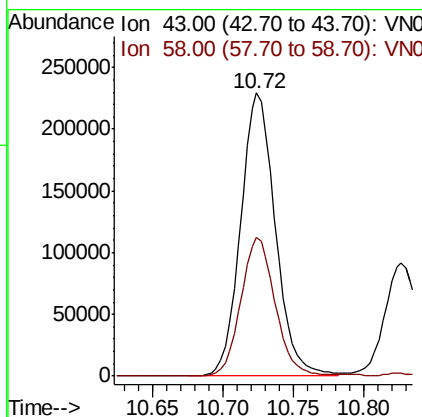
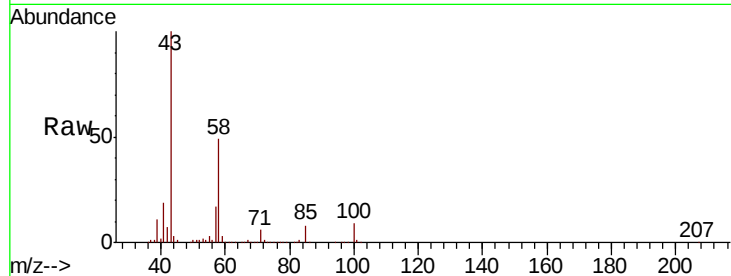
#59
2-Hexanone
Concen: 88.571 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064438.D
Acq: 4 Nov 2020 16:00

Instrument :
MSVOA_N
ClientSampleId :
VN1104WBSD01

Tot Ion: 43 Resp: 394129
Ion Ratio Lower Upper
43 100
58 49.0 24.7 74.1

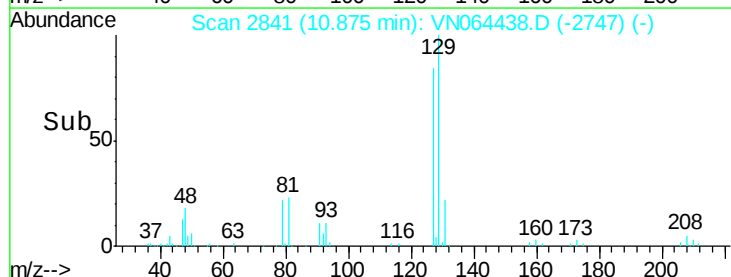
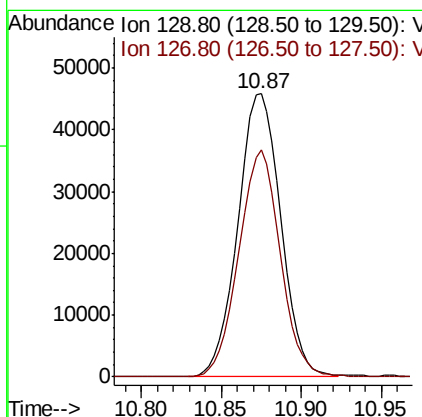
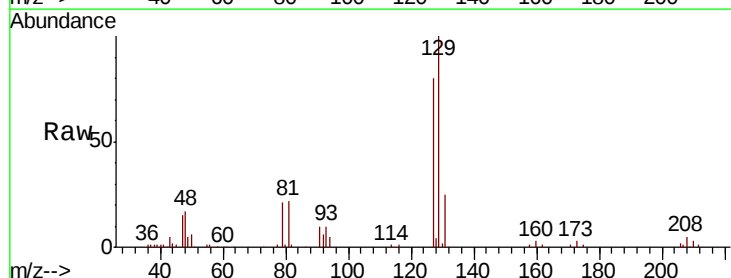
Manual Integrations
APPROVED

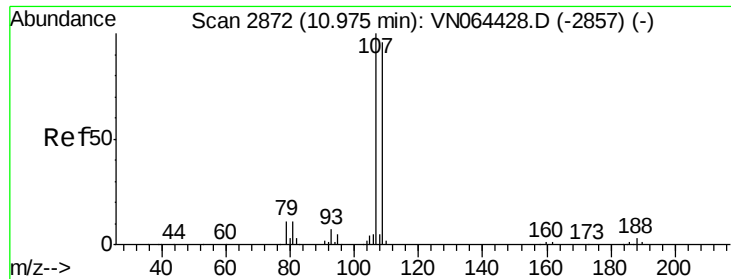
MMDadoda
11/5/2020 2:19:32 PM



#60
Dibromochloromethane
Concen: 18.028 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN064438.D
Acq: 4 Nov 2020 16:00

Tgt Ion: 129 Resp: 83966
Ion Ratio Lower Upper
129 100
127 77.4 38.9 116.7





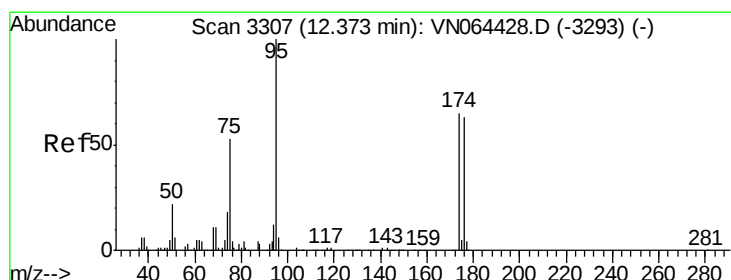
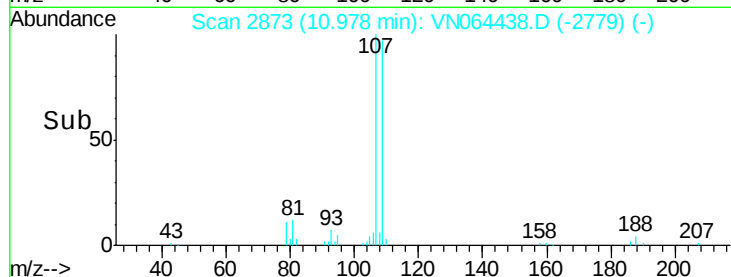
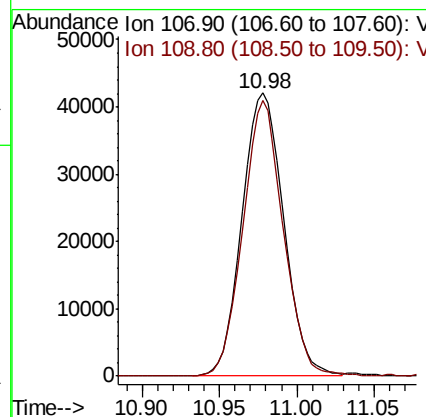
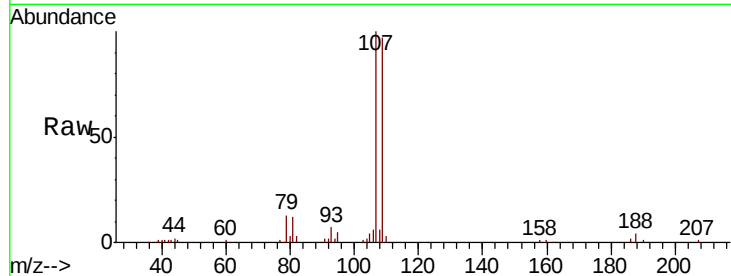
#61
 1,2-Dibromoethane
 Concen: 18.733 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN064438.D
 Acq: 4 Nov 2020 16:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1104WBSD01

Tot Ion: 107 Resp: 79048
 Ion Ratio Lower Upper
 107 100
 109 94.0 75.9 113.9

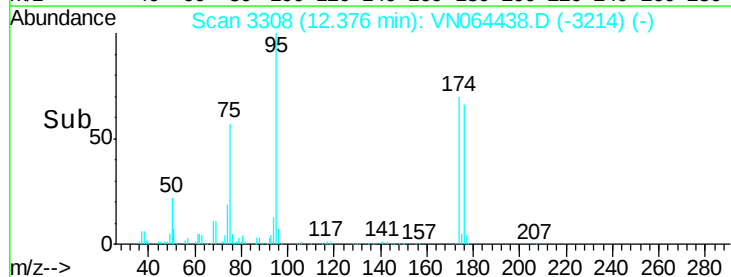
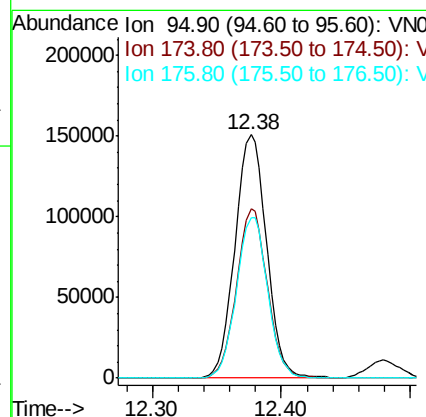
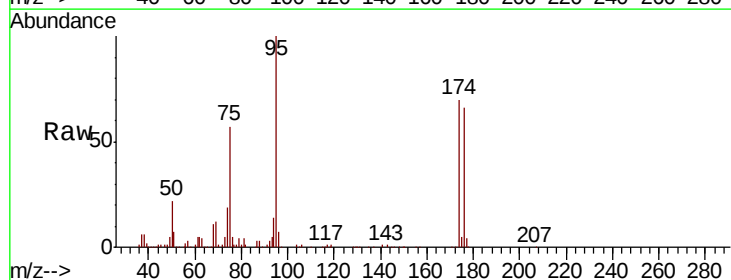
Manual Integrations
 APPROVED

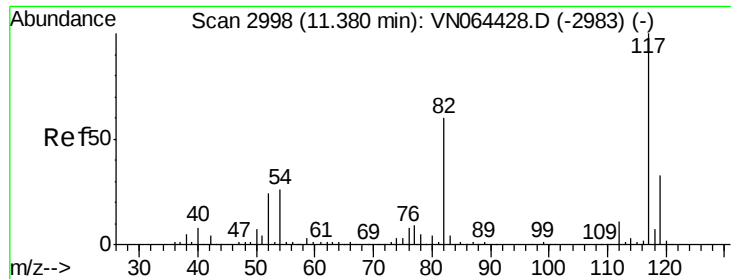
MMDadoda
 11/5/2020 2:19:32 PM



#62
 4-Bromofluorobenzene
 Concen: 45.806 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN064438.D
 Acq: 4 Nov 2020 16:00

Tgt Ion: 95 Resp: 256828
 Ion Ratio Lower Upper
 95 100
 174 67.9 0.0 132.6
 176 65.3 0.0 129.2





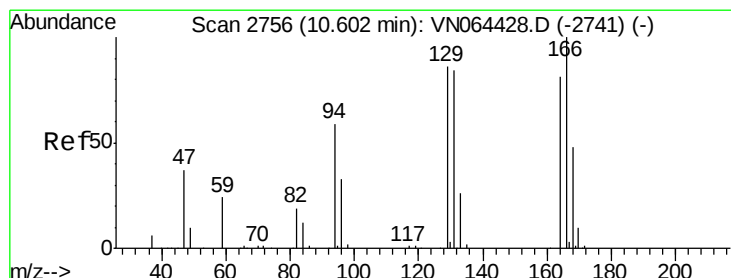
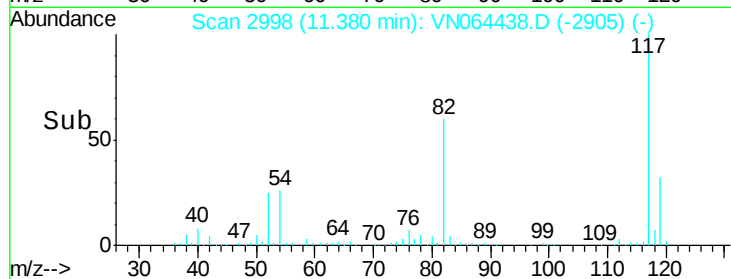
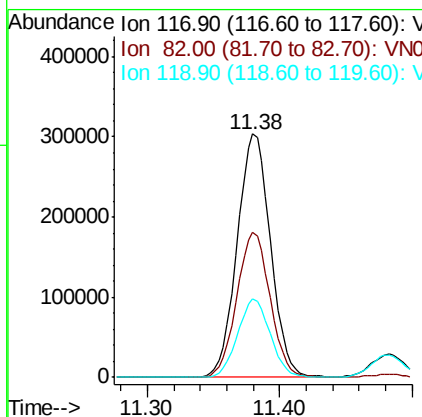
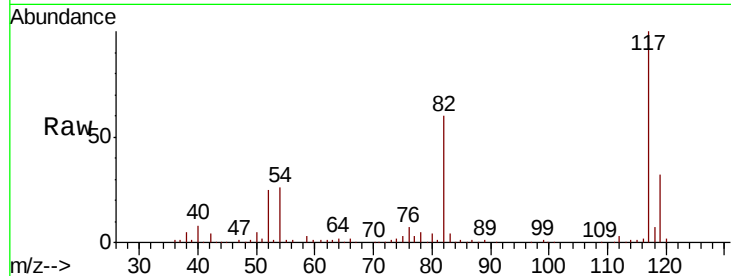
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064438.D
Acq: 4 Nov 2020 16:00

Instrument :
MSVOA_N
ClientSampleId :
VN1104WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.6	48.1	72.1
119	32.4	26.2	39.4

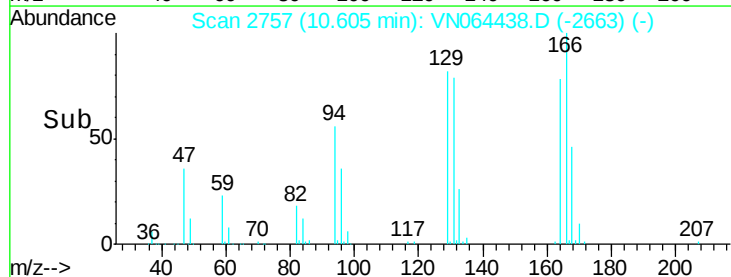
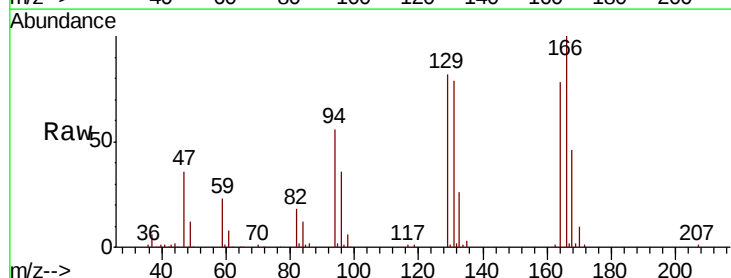
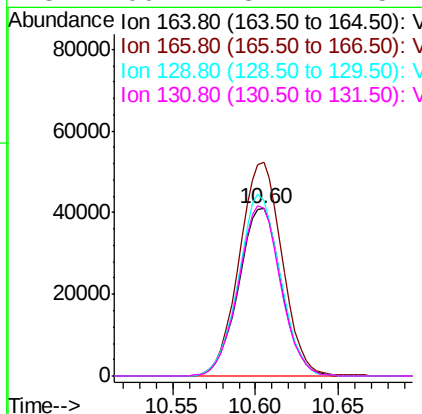
Manual Integrations
APPROVED

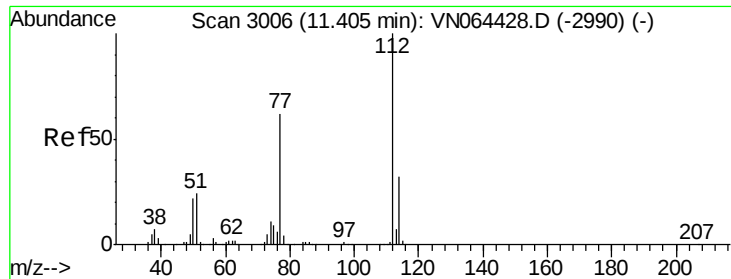
MMDadoda
11/5/2020 2:19:32 PM



#64
Tetrachloroethene
Concen: 18.035 ug/l
RT: 10.60 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VN064438.D
Acq: 4 Nov 2020 16:00

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.7	98.2	147.2
129	104.7	84.6	127.0
131	100.4	82.2	123.2





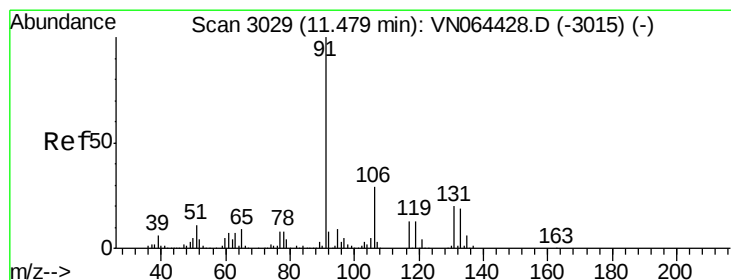
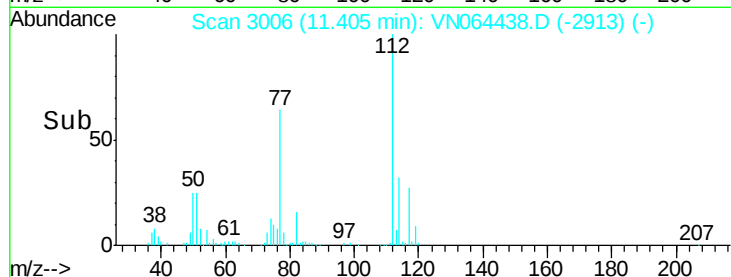
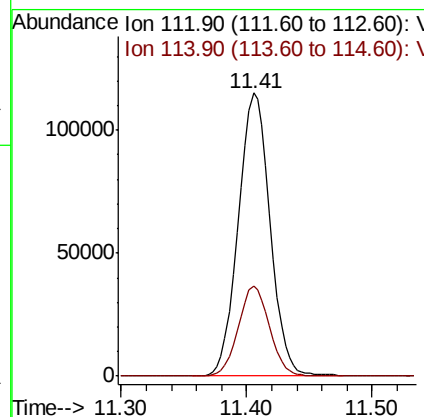
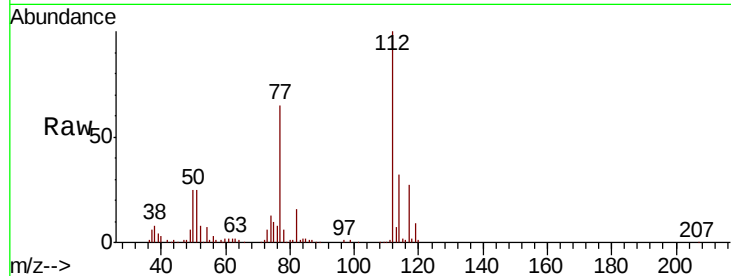
#65
Chlorobenzene
Concen: 17.456 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN064438.D
Acq: 4 Nov 2020 16:00

Instrument :
MSVOA_N
ClientSampled :
VN1104WBSD01

Tot Ion:112 Resp: 202941
Ion Ratio Lower Upper
112 100
114 32.0 25.6 38.4

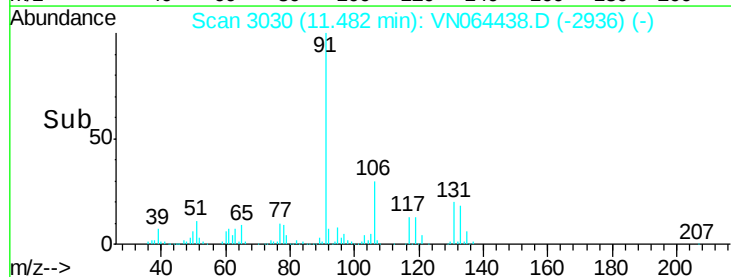
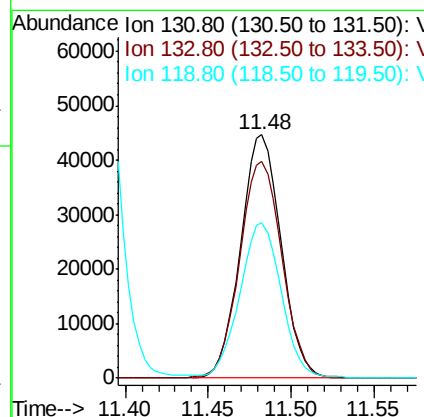
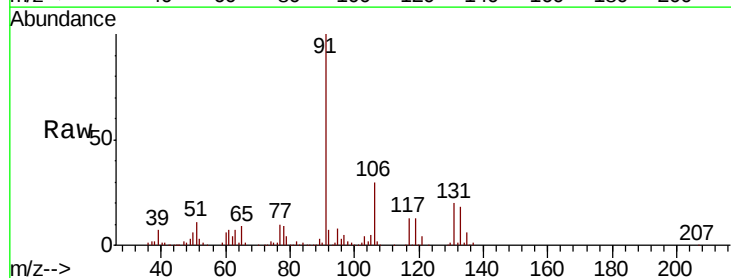
Manual Integrations
APPROVED

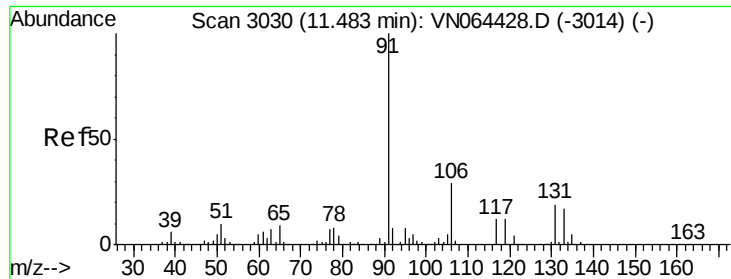
MMDadoda
11/5/2020 2:19:32 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 17.485 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064438.D
Acq: 4 Nov 2020 16:00

Tgt Ion:131 Resp: 75835
Ion Ratio Lower Upper
131 100
133 93.2 46.9 140.7
119 65.6 32.1 96.5





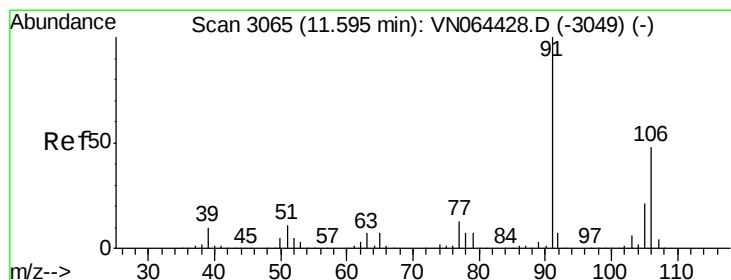
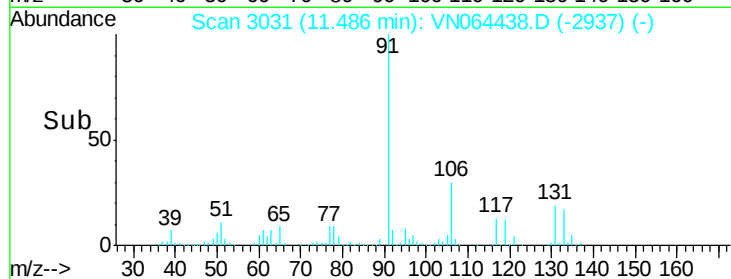
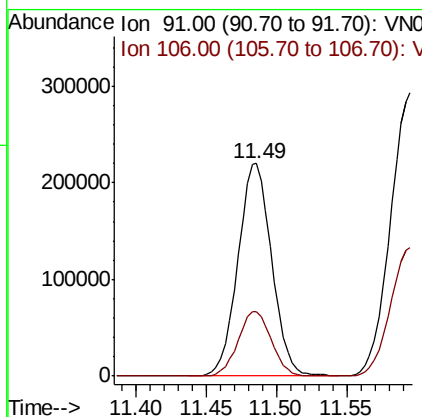
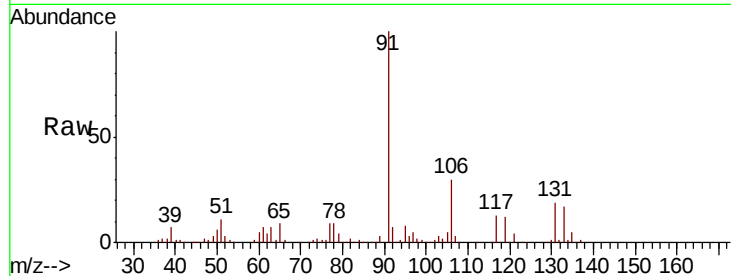
#67
Ethyl Benzene
Concen: 17.885 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN064438.D
Acq: 4 Nov 2020 16:00

Instrument :
MSVOA_N
ClientSampled :
VN1104WBSD01

Tot Ion: 91 Resp: 369856
Ion Ratio Lower Upper
91 100
106 30.0 23.6 35.4

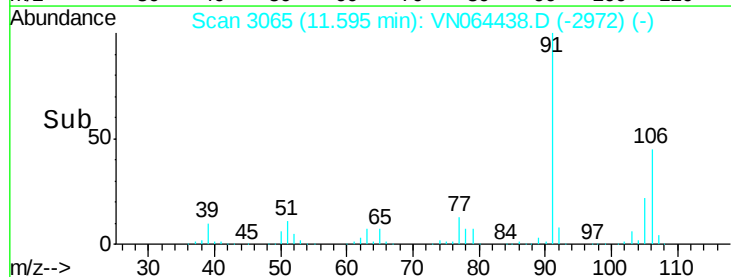
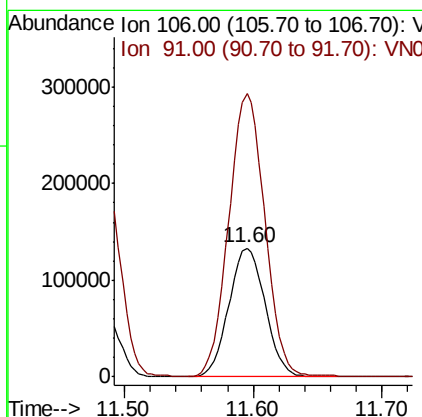
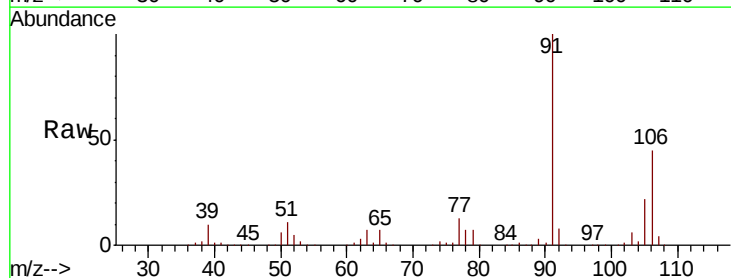
Manual Integrations
APPROVED

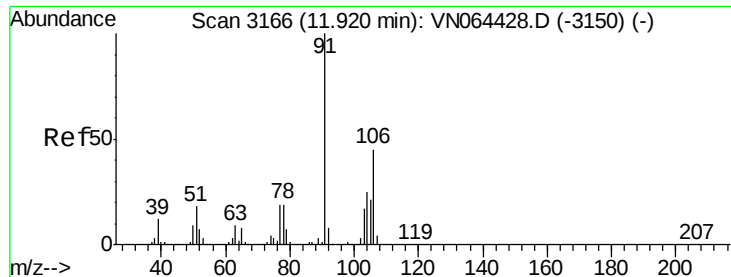
MMDadoda
11/5/2020 2:19:32 PM



#68
m/p-Xylenes
Concen: 34.554 ug/l
RT: 11.60 min Scan# 3065
Delta R.T. -0.00 min
Lab File: VN064438.D
Acq: 4 Nov 2020 16:00

Tgt Ion: 106 Resp: 259141
Ion Ratio Lower Upper
106 100
91 219.7 169.4 254.2





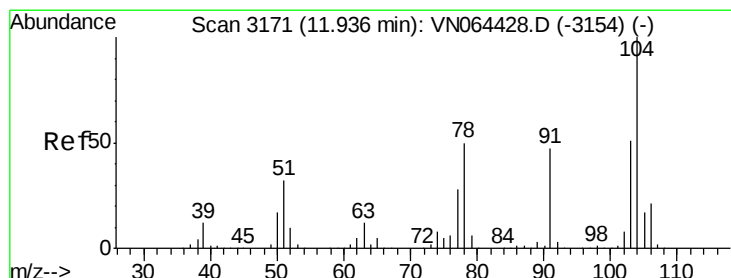
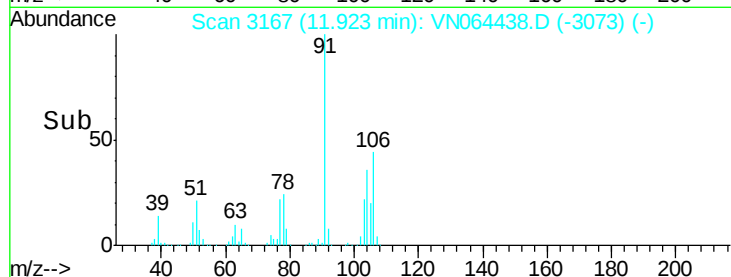
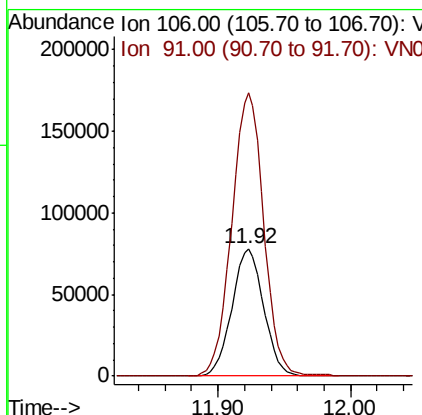
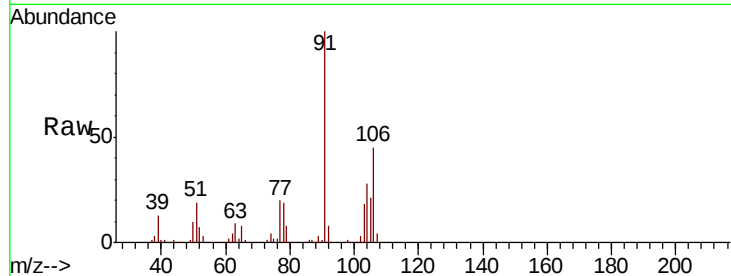
#69
o-Xylene
Concen: 17.956 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN064438.D
Acq: 4 Nov 2020 16:00

Instrument :
MSVOA_N
ClientSampleId :
VN1104WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		130125		
91	222.3	111.7	334.9		

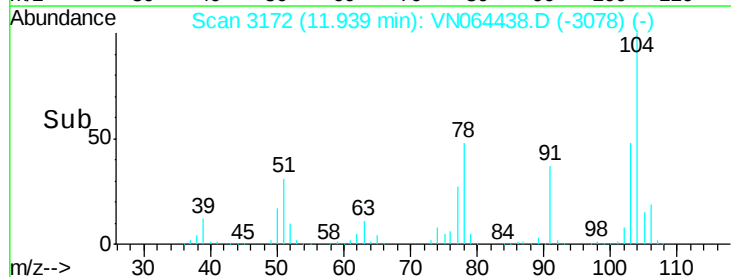
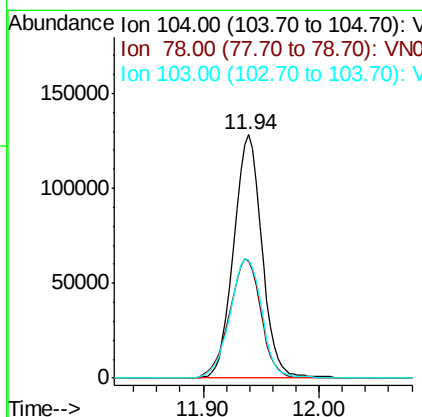
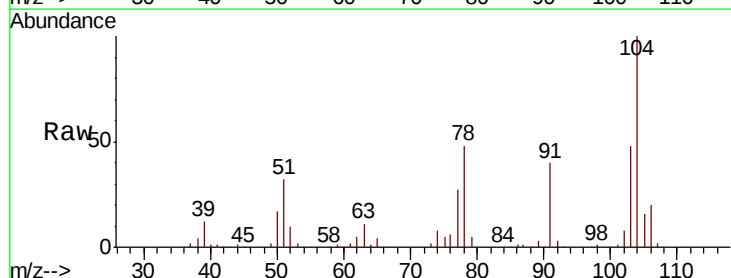
Manual Integrations
APPROVED

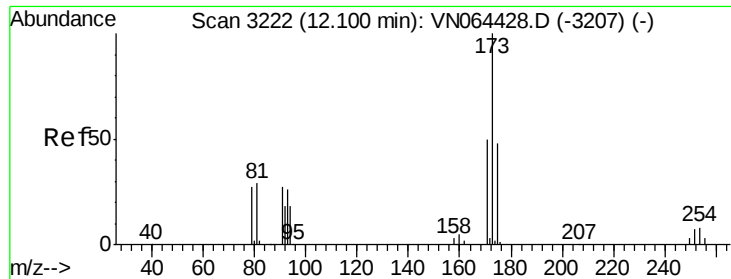
MMDadoda
11/5/2020 2:19:32 PM



#70
Styrene
Concen: 17.735 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN064438.D
Acq: 4 Nov 2020 16:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		216270		
78	54.6	44.0	66.0		
103	55.4	43.8	65.6		





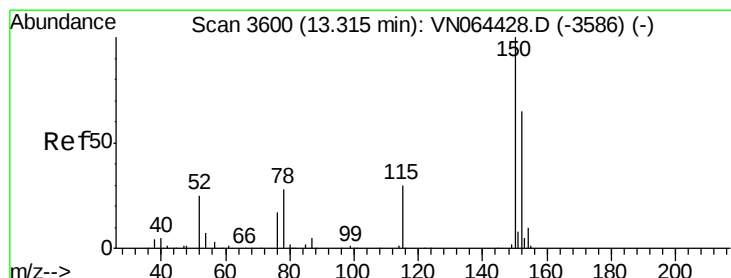
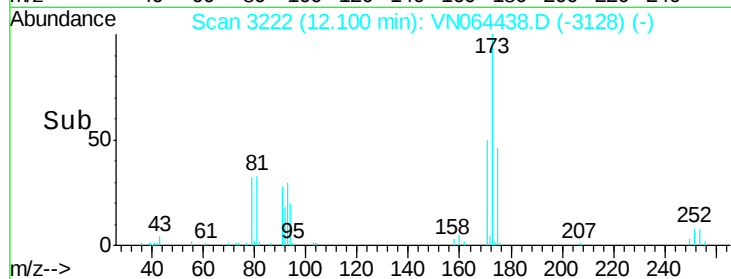
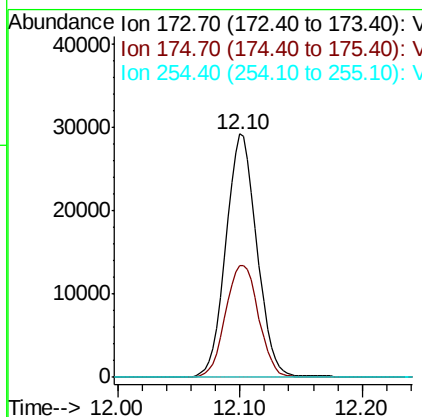
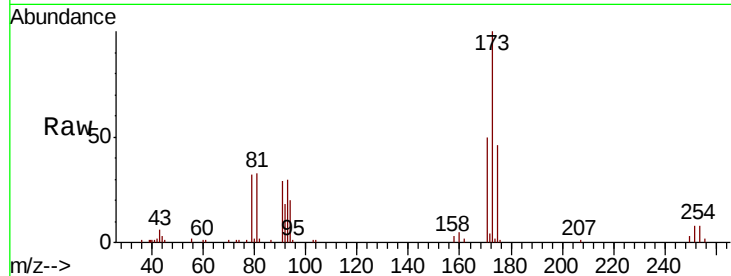
#71
Bromoform
Concen: 16.850 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN064438.D
Acq: 4 Nov 2020 16:00

Instrument :
MSVOA_N
ClientSampleId :
VN1104WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	23.7	71.1
254	0.0	0.0	0.0

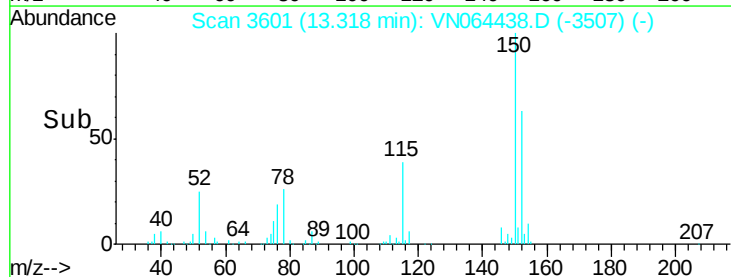
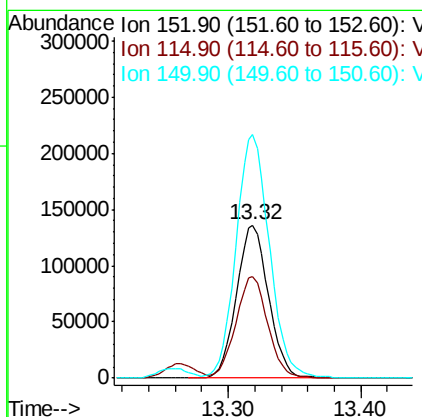
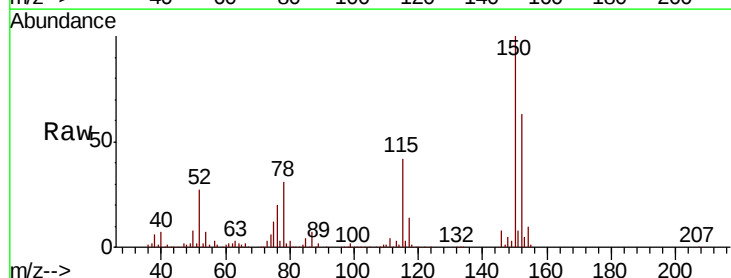
Manual Integrations
APPROVED

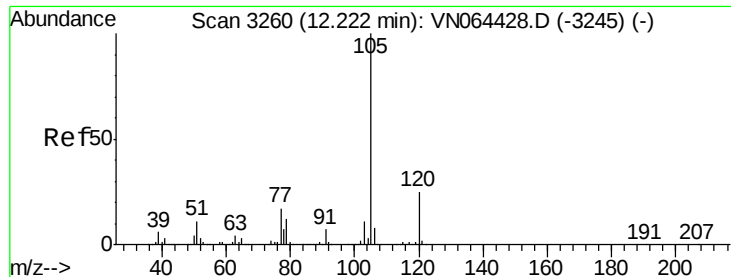
MMDadoda
11/5/2020 2:19:32 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN064438.D
Acq: 4 Nov 2020 16:00

Tgt Ion	Ratio	Lower	Upper
152	100		
115	65.6	32.0	96.0
150	165.5	0.0	353.8





#73

Isopropylbenzene

Concen: 18.448 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN064438.D

Acq: 4 Nov 2020 16:00

Instrument :

MSVOA_N

ClientSampleId :

VN1104WBSD01

Tot Ion: 105 Resp: 334357

Ion Ratio Lower Upper

105 100

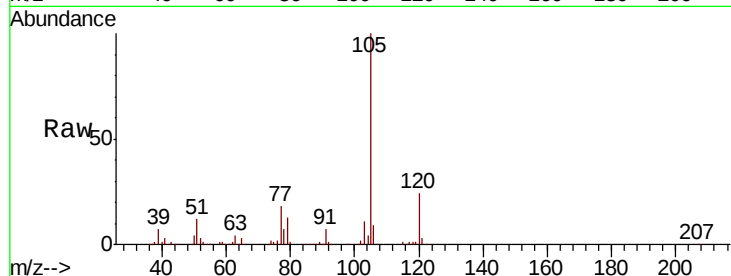
120 24.5 12.8 38.3

Manual Integrations

APPROVED

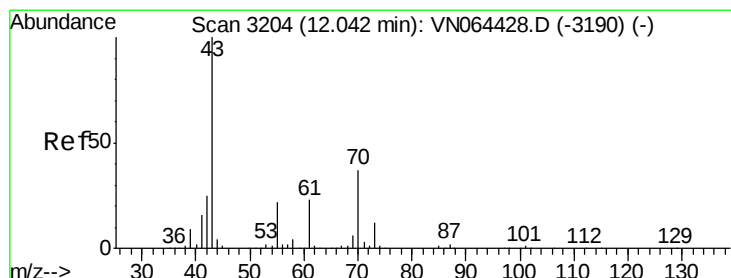
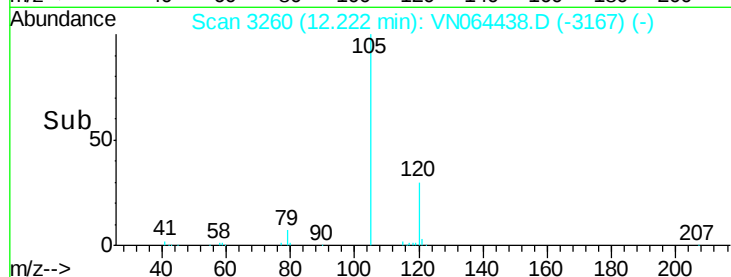
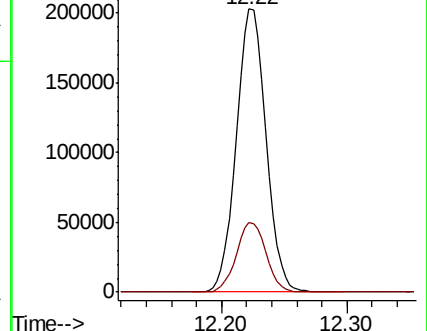
MMDadoda

11/5/2020 2:19:32 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 17.702 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN064438.D

Acq: 4 Nov 2020 16:00

Tgt Ion: 43 Resp: 148544

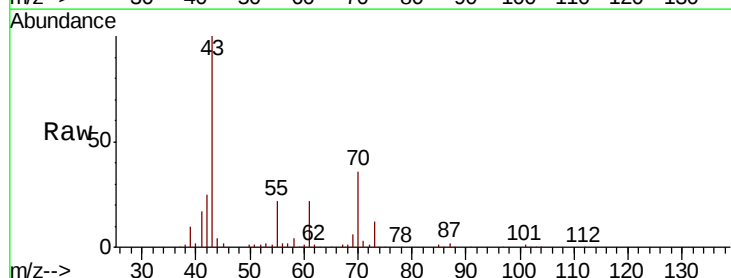
Ion Ratio Lower Upper

43 100

70 35.9 29.6 44.4

55 22.3 18.4 27.6

61 20.9 17.8 26.6

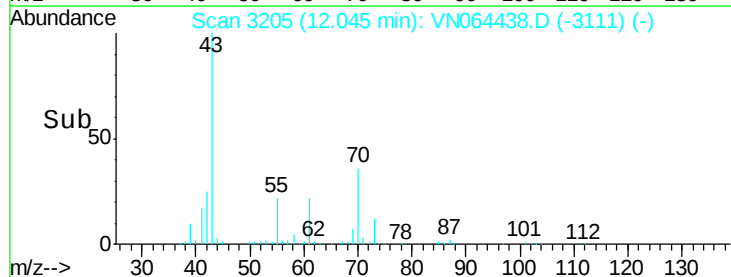
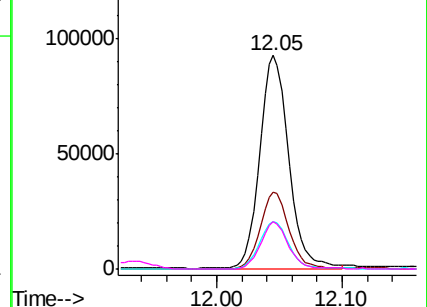


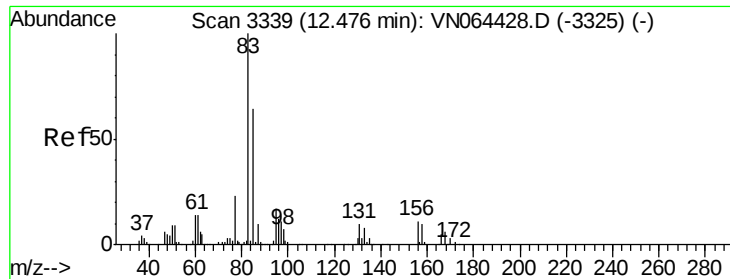
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.385 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064438.D

Acq: 4 Nov 2020 16:00

Instrument :

MSVOA_N

ClientSampleId :

VN1104WBSD01

Tot Ion: 83 Resp: 107917
Ion Ratio Lower Upper

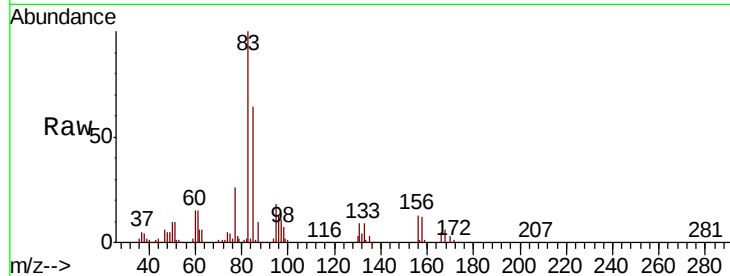
83 100

131 9.7 4.9 14.7

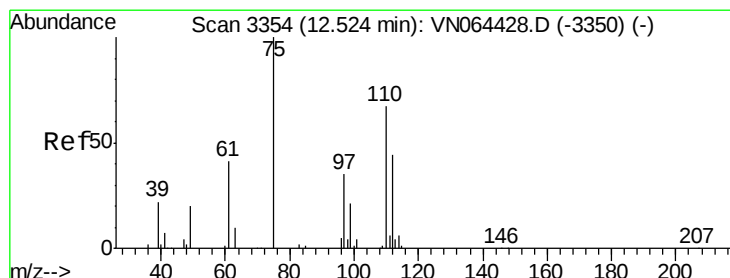
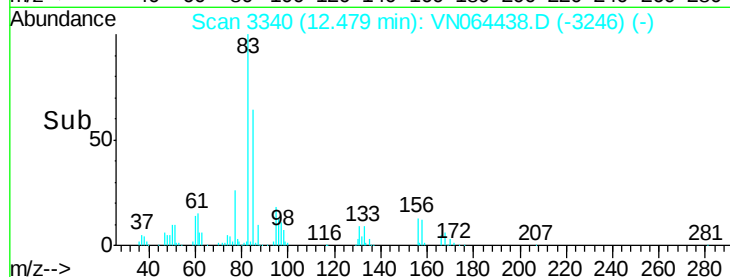
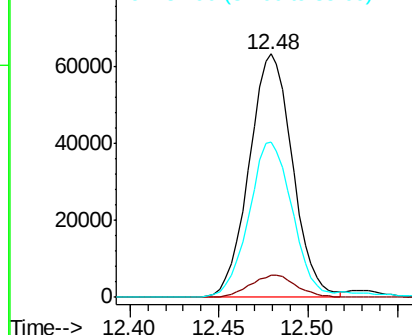
85 63.8 32.1 96.5

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VNC
Ion 130.80 (130.50 to 131.50): VNC
Ion 84.90 (84.60 to 85.60): VNC



#76

1,2,3-Trichloropropane

Concen: 19.223 ug/l m

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

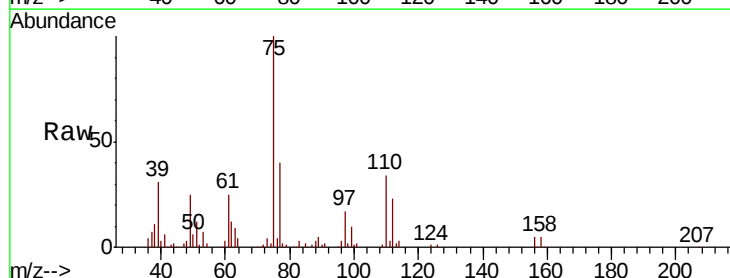
Lab File: VN064438.D

Acq: 4 Nov 2020 16:00

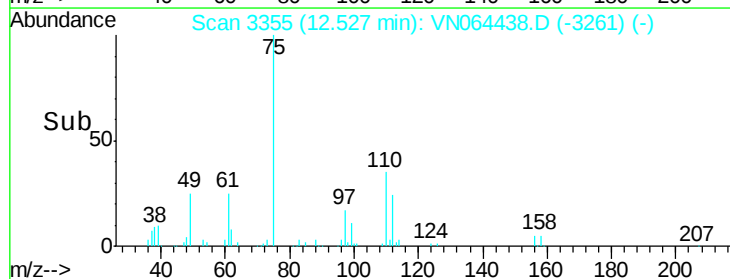
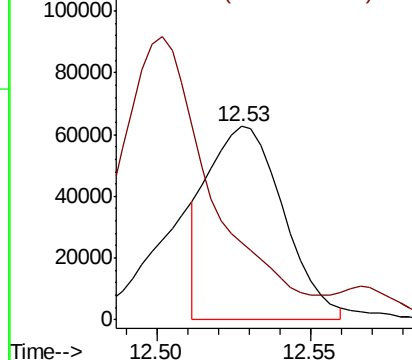
Tgt Ion: 75 Resp: 106207
Ion Ratio Lower Upper

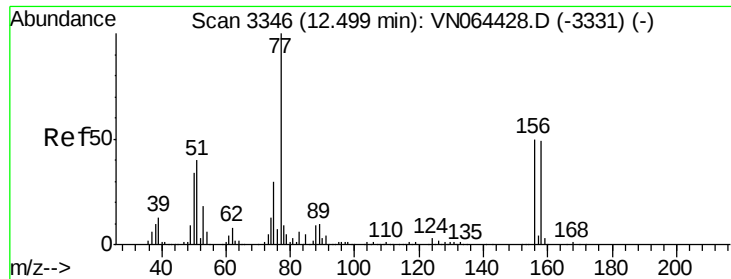
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 18.111 ug/l

RT: 12.50 min Scan# 3347

Delta R.T. 0.00 min

Lab File: VN064438.D

Acq: 4 Nov 2020 16:00

Instrument :

MSVOA_N

ClientSampleId :

VN1104WBSD01

Tot Ion:156 Resp: 80141

Ion Ratio Lower Upper

156 100

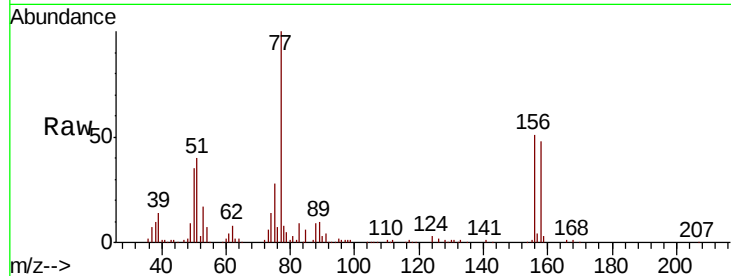
77 240.3 119.0 357.0

158 96.3 48.4 145.3

Manual Integrations
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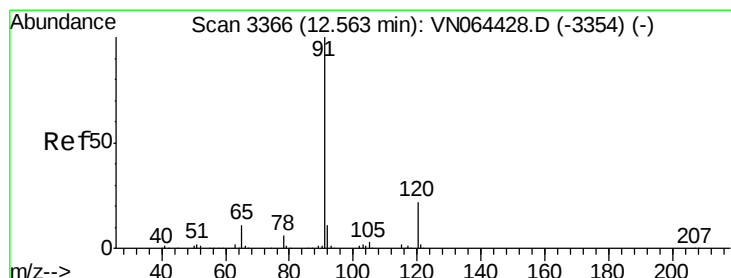
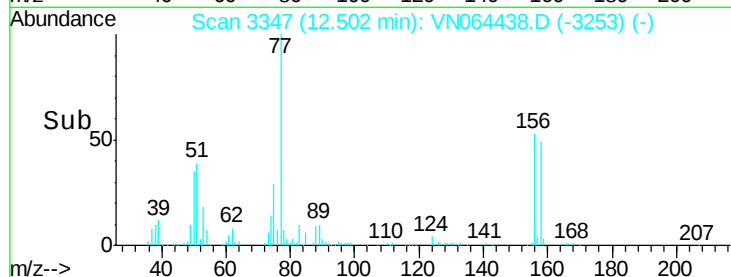
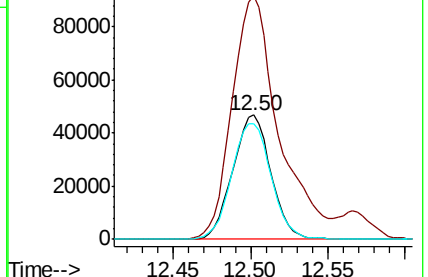
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.227 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064438.D

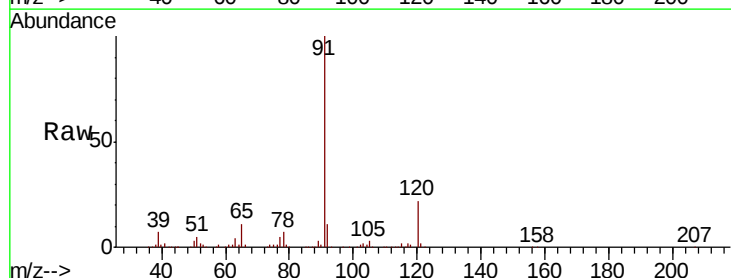
Acq: 4 Nov 2020 16:00

Tgt Ion: 91 Resp: 376631

Ion Ratio Lower Upper

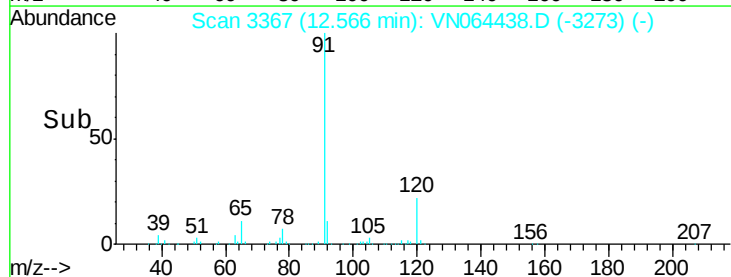
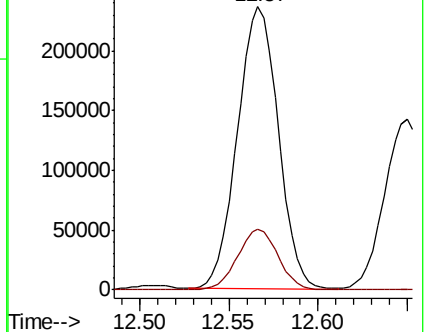
91 100

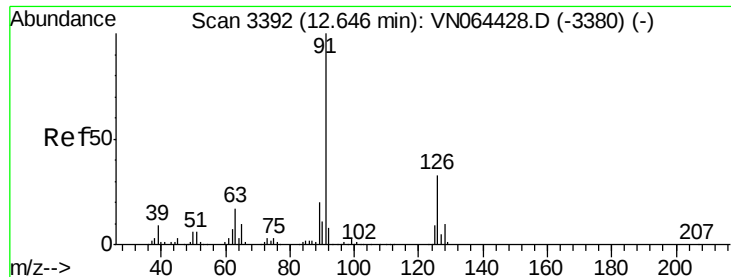
120 21.4 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





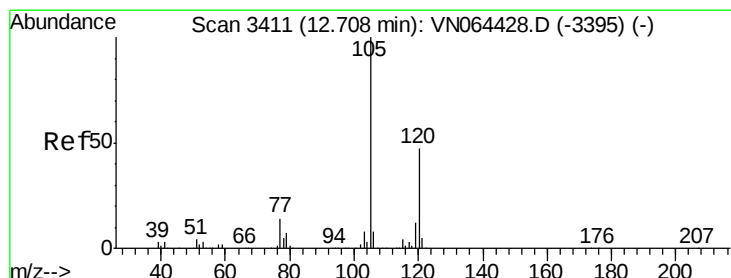
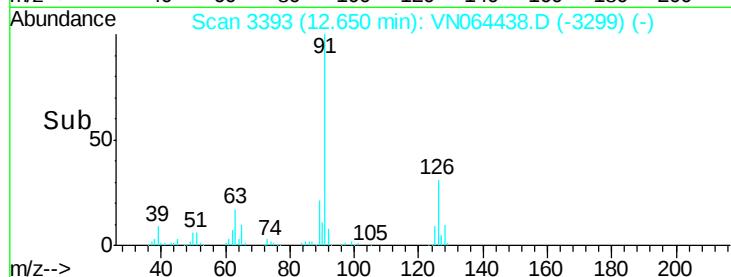
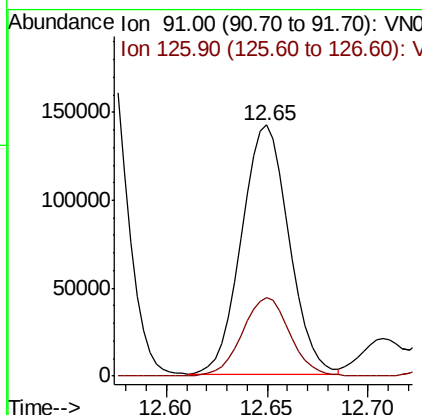
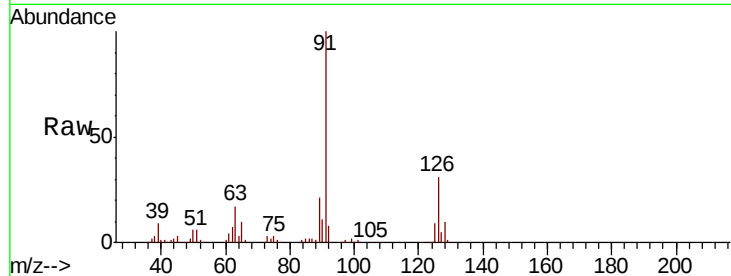
#79
 2-Chlorotoluene
 Concen: 17.898 ug/l
 RT: 12.65 min Scan# 3393
 Delta R.T. 0.00 min
 Lab File: VN064438.D
 Acq: 4 Nov 2020 16:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1104WBSD01

Tot Ion: 91 Resp: 234571
 Ion Ratio Lower Upper
 91 100
 126 31.7 16.4 49.1

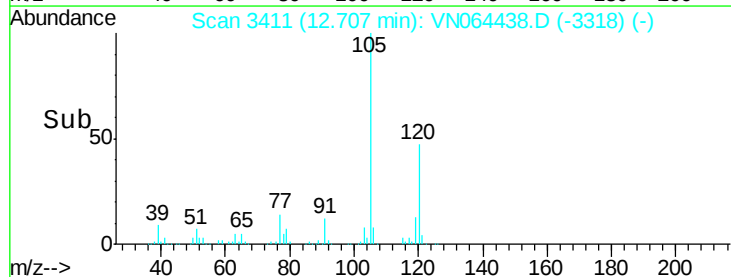
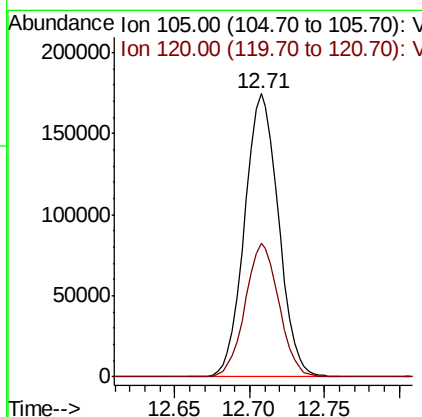
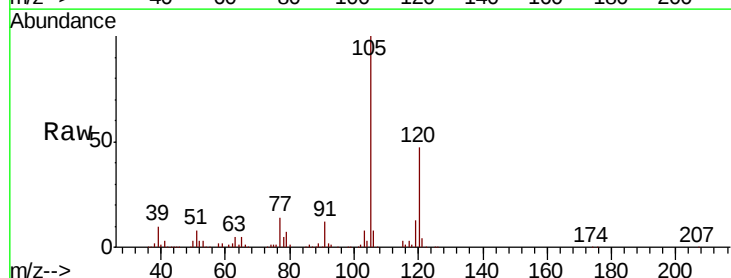
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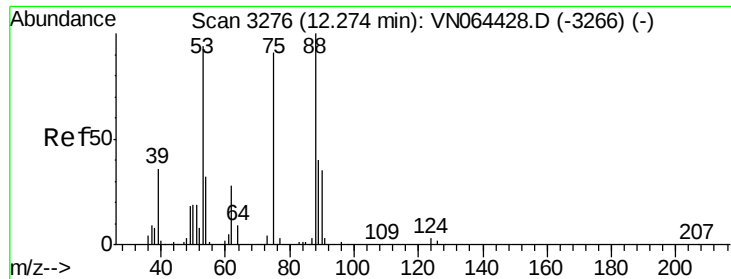
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#80
 1,3,5-Trimethylbenzene
 Concen: 18.477 ug/l
 RT: 12.71 min Scan# 3411
 Delta R.T. -0.00 min
 Lab File: VN064438.D
 Acq: 4 Nov 2020 16:00

Tgt Ion: 105 Resp: 276268
 Ion Ratio Lower Upper
 105 100
 120 46.9 23.4 70.2





#81

trans-1,4-Dichloro-2-butene

Concen: 16.982 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. -0.00 min

Lab File: VN064438.D

Acq: 4 Nov 2020 16:00

Instrument :

MSVOA_N

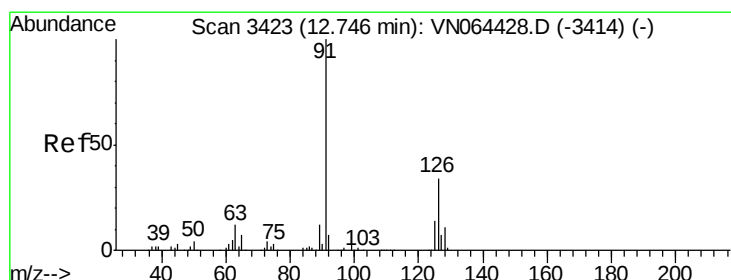
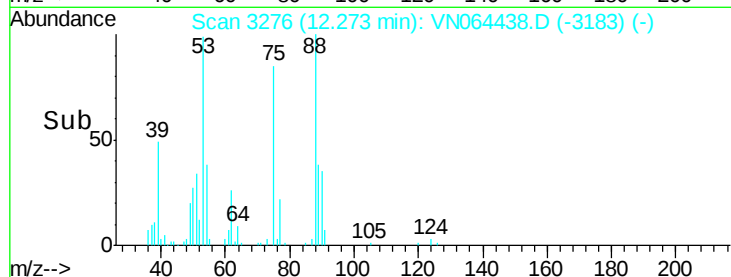
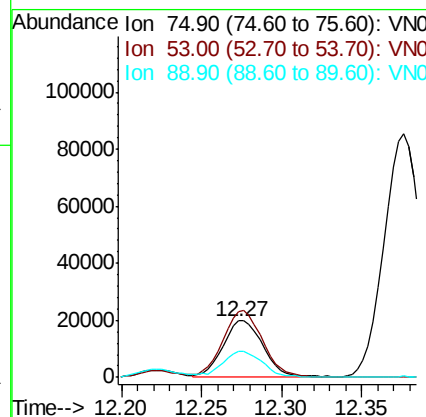
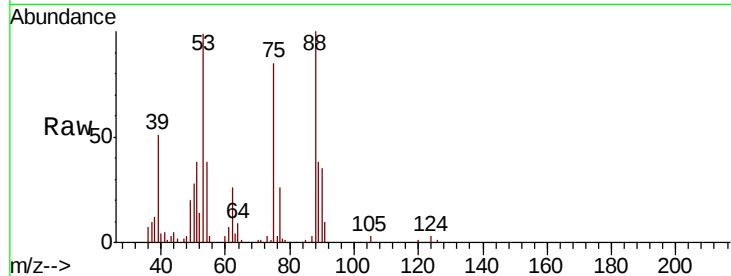
ClientSampleId :

VN1104WBSD01

Tot Ion:	75	Resp:	33604
Ion	Ratio	Lower	Upper
75	100		
53	117.2	84.0	126.0
89	46.7	36.3	54.5

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#82

4-Chlorotoluene

Concen: 17.776 ug/l

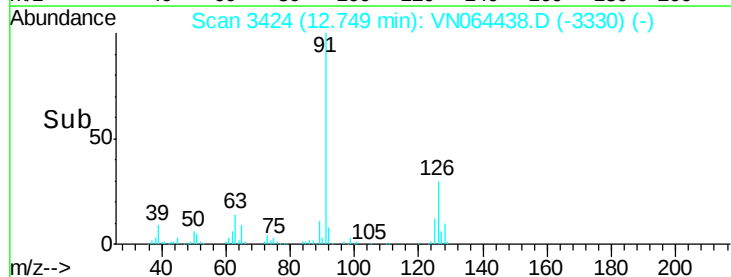
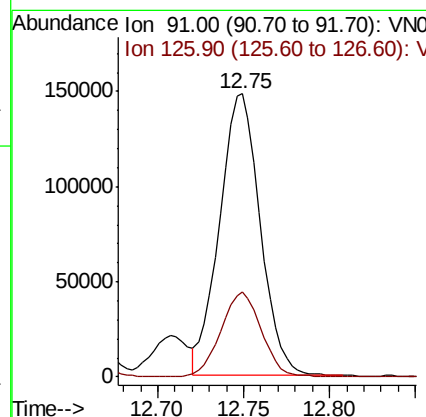
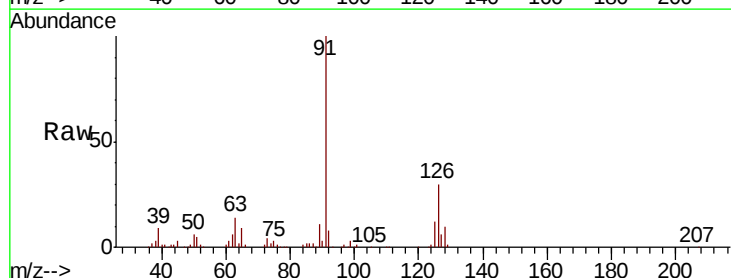
RT: 12.75 min Scan# 3424

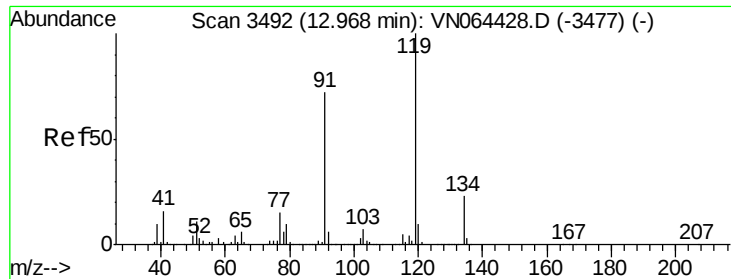
Delta R.T. 0.00 min

Lab File: VN064438.D

Acq: 4 Nov 2020 16:00

Tgt Ion:	91	Resp:	243980
Ion	Ratio	Lower	Upper
91	100		
126	30.3	15.4	46.2





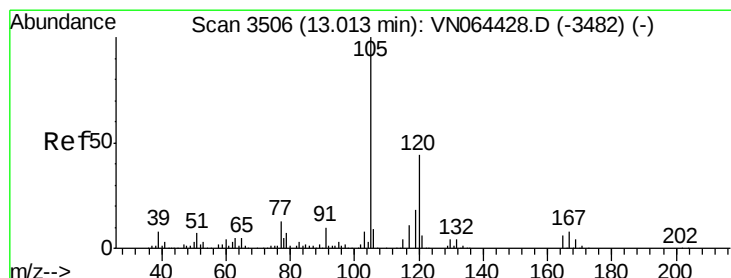
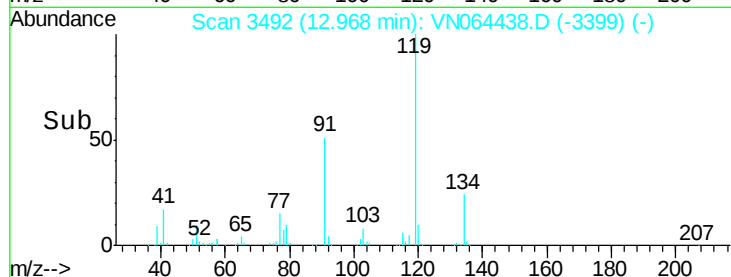
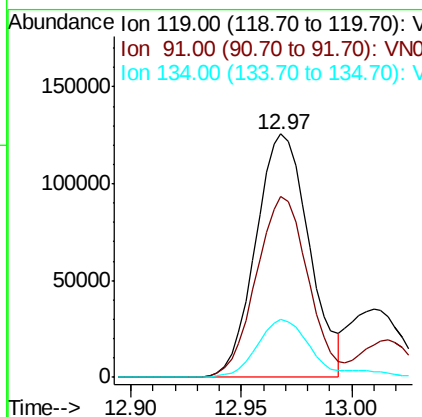
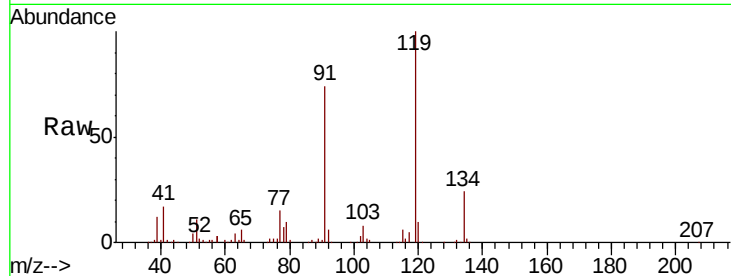
#83
 tert-Butylbenzene
 Concen: 18.056 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. -0.00 min
 Lab File: VN064438.D
 Acq: 4 Nov 2020 16:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1104WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	71.9	36.1	108.3
134	22.9	11.7	35.1

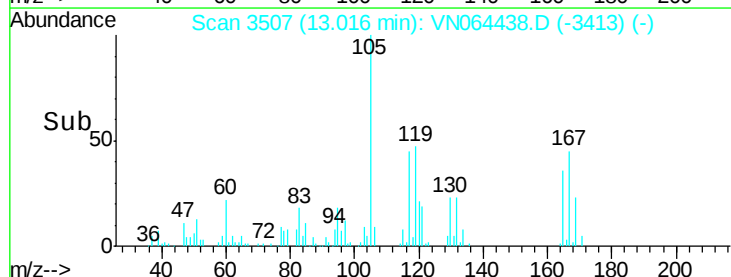
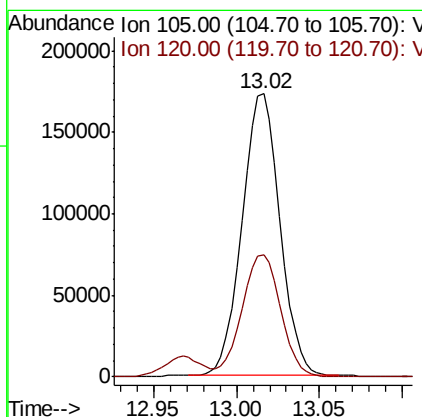
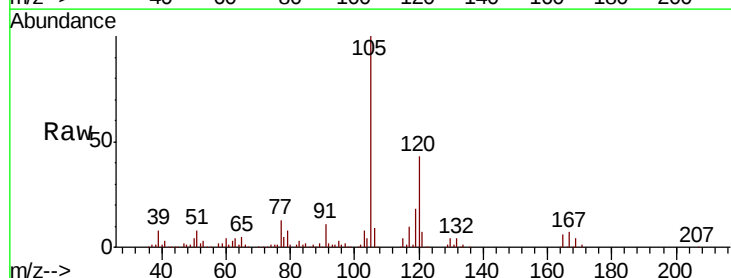
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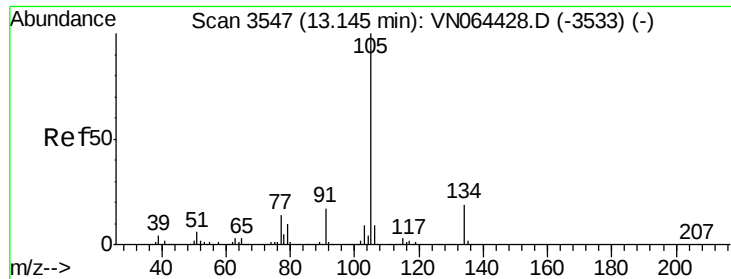
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#84
 1,2,4-Trimethylbenzene
 Concen: 18.244 ug/l
 RT: 13.02 min Scan# 3507
 Delta R.T. 0.00 min
 Lab File: VN064438.D
 Acq: 4 Nov 2020 16:00

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.0	21.9	65.7





#85

sec-Butylbenzene

Concen: 18.422 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN064438.D

Acq: 4 Nov 2020 16:00

Instrument :

MSVOA_N

ClientSampleId :

VN1104WBSD01

Tot Ion:105 Resp: 272454

Ion Ratio Lower Upper

105 100

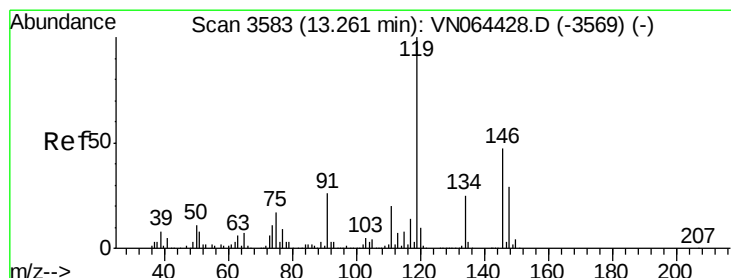
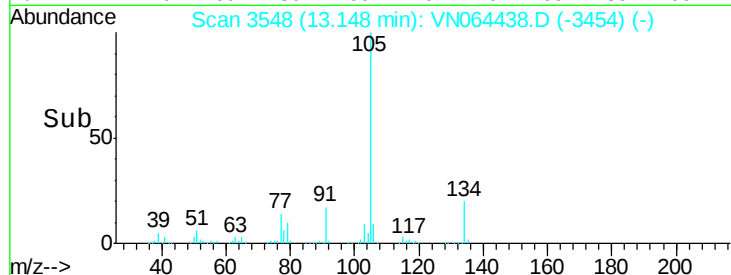
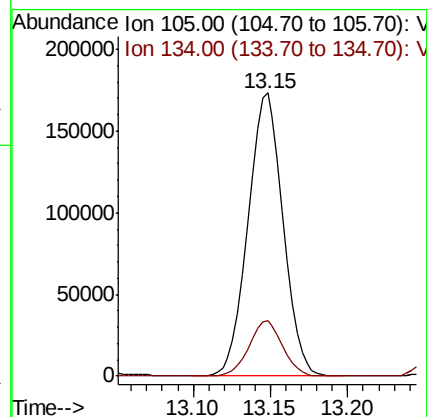
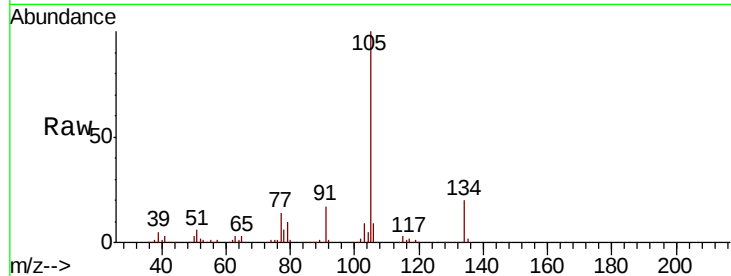
134 18.9 9.4 28.2

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 18.178 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064438.D

Acq: 4 Nov 2020 16:00

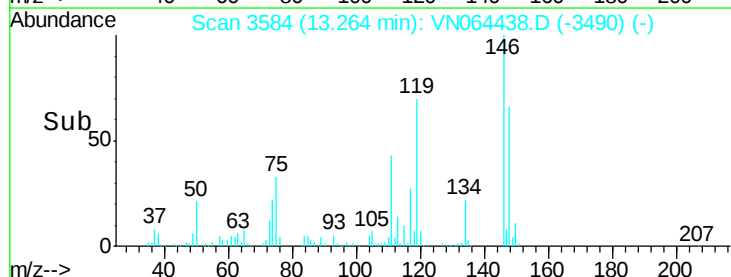
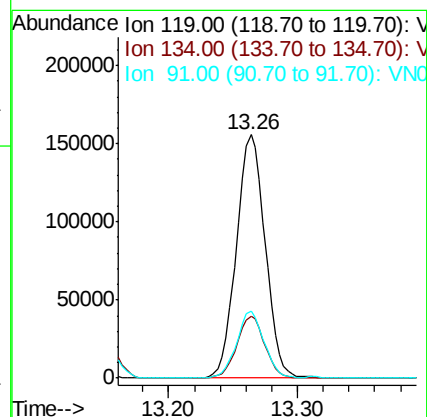
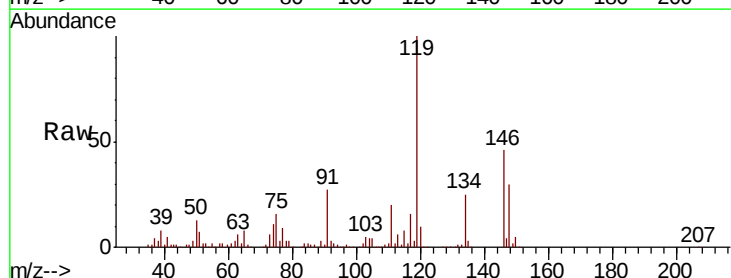
Tgt Ion:119 Resp: 241829

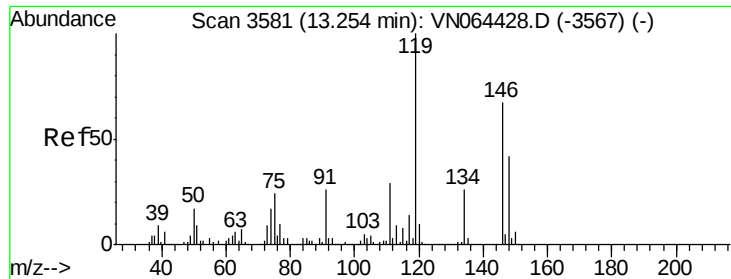
Ion Ratio Lower Upper

119 100

134 24.5 12.6 37.6

91 26.0 12.8 38.3





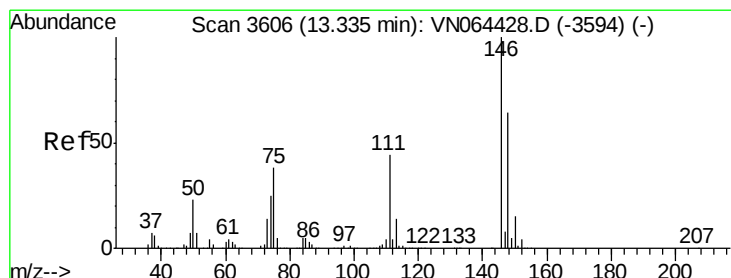
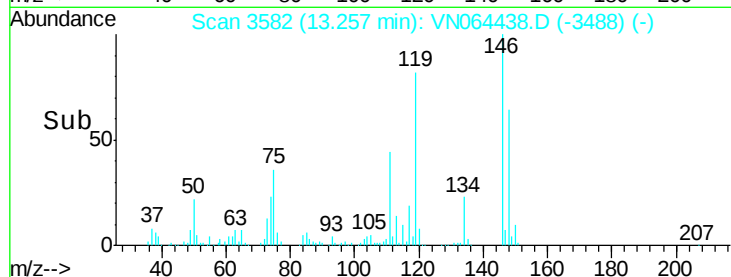
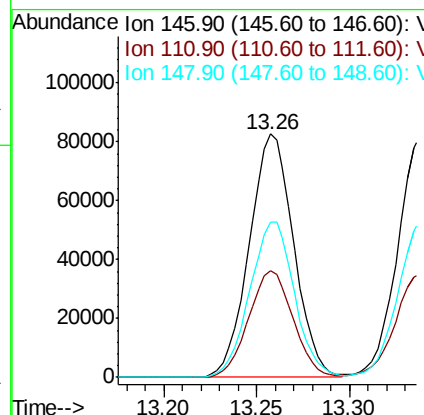
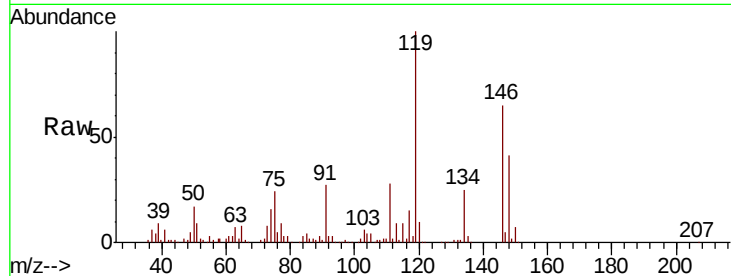
#87
 1,3-Dichlorobenzene
 Concen: 17.920 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064438.D
 Acq: 4 Nov 2020 16:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1104WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.9	22.1	66.1
148	64.4	31.7	95.1

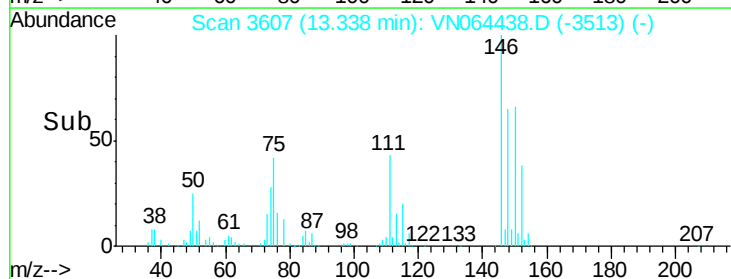
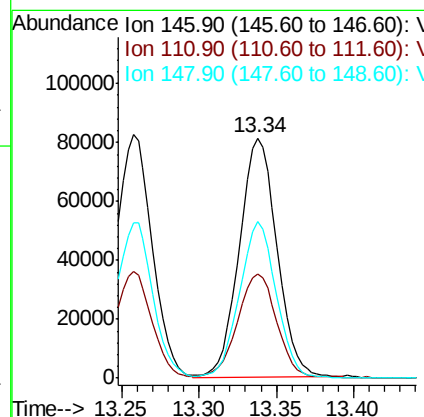
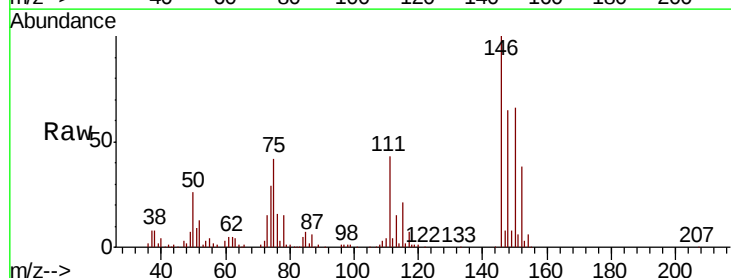
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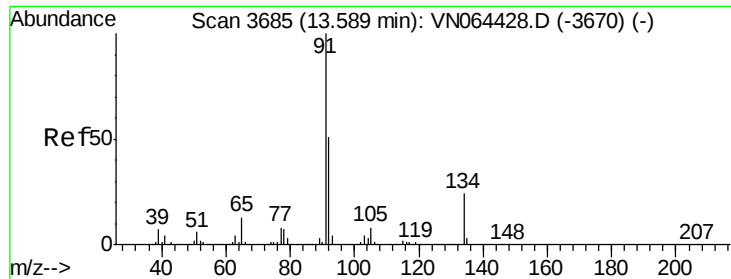
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#88
 1,4-Dichlorobenzene
 Concen: 17.269 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064438.D
 Acq: 4 Nov 2020 16:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.5	21.8	65.3
148	63.7	32.4	97.2





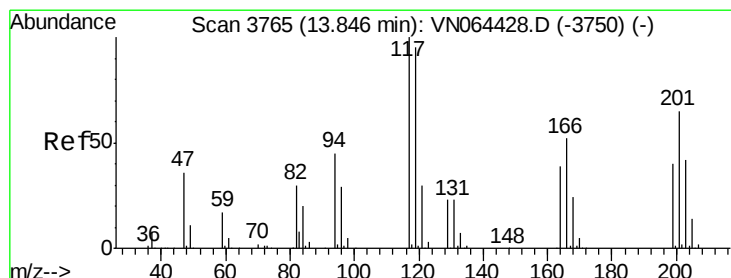
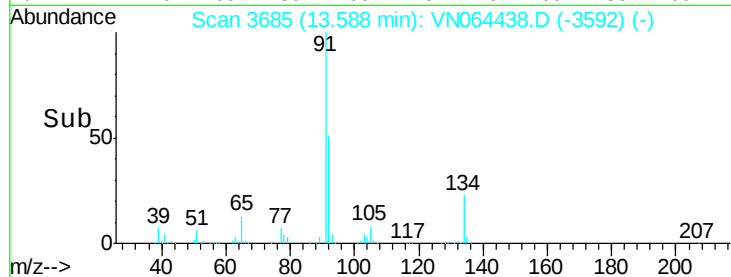
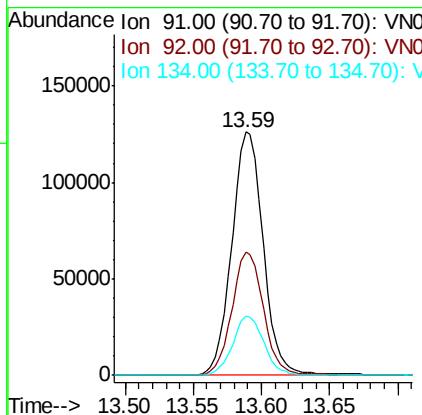
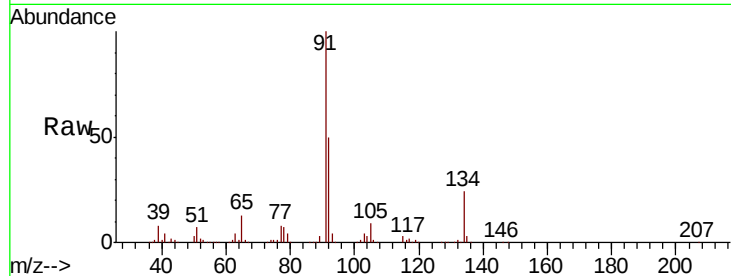
#89
n-Butylbenzene
Concen: 17.649 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN064438.D
Acq: 4 Nov 2020 16:00

Instrument :
MSVOA_N
ClientSampleId :
VN1104WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.8	25.3	75.9
134	24.3	11.8	35.4

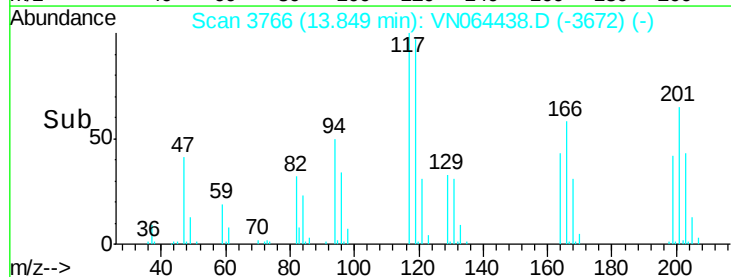
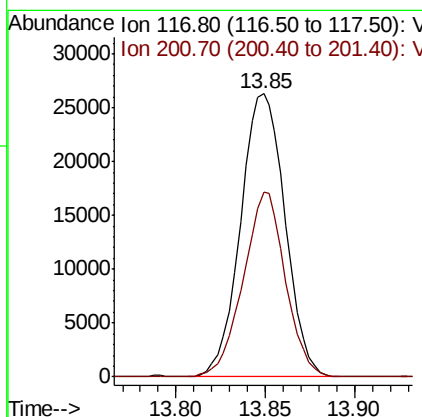
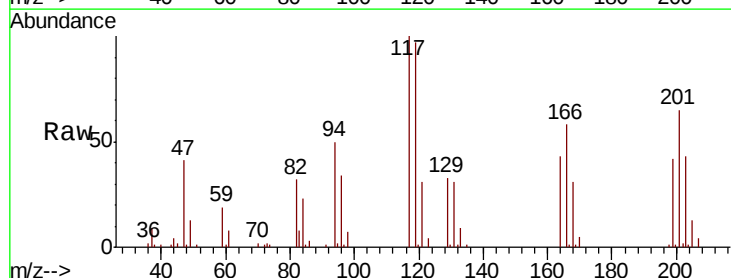
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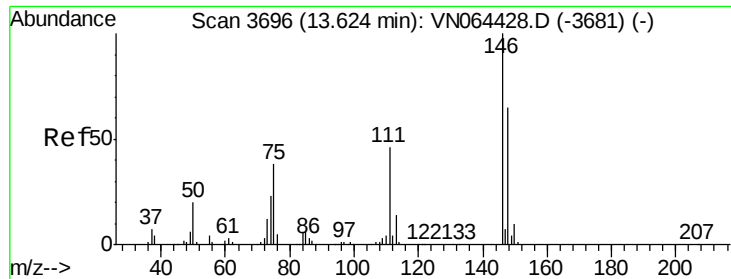
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#90
Hexachloroethane
Concen: 17.837 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN064438.D
Acq: 4 Nov 2020 16:00

Tgt Ion	Ratio	Lower	Upper
117	100		
201	61.9	32.5	97.5





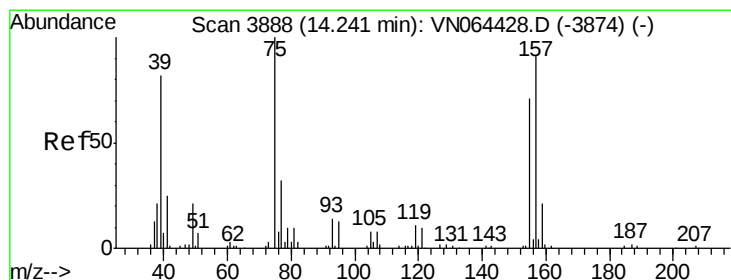
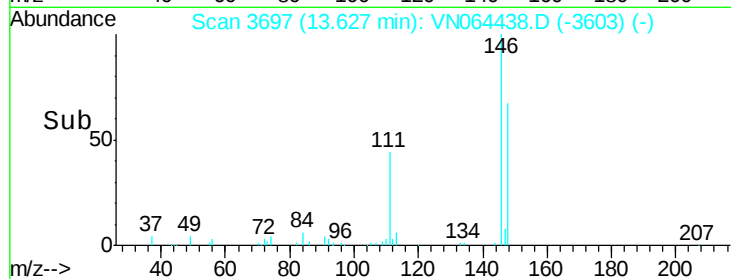
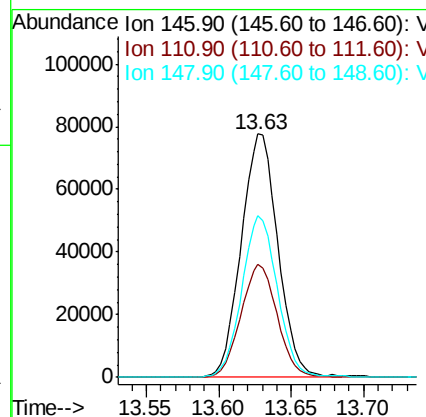
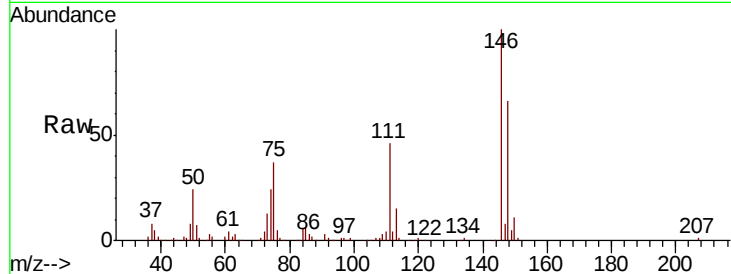
#91
 1,2-Dichlorobenzene
 Concen: 18.608 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064438.D
 Acq: 4 Nov 2020 16:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1104WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.0	22.9	68.7
148	64.6	32.0	96.2

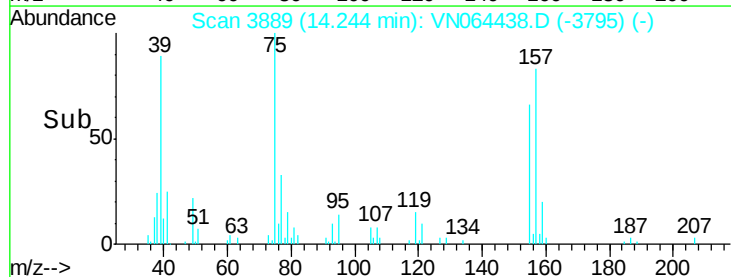
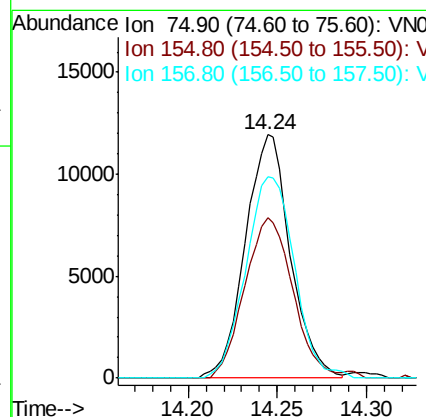
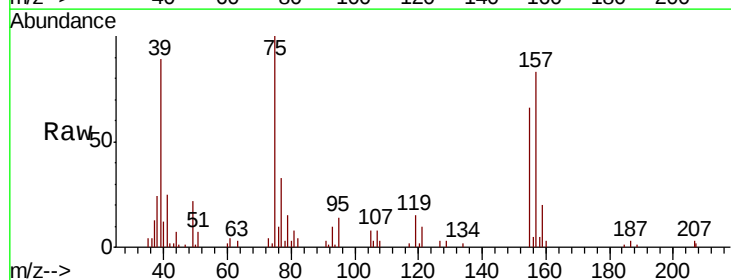
Manual Integrations
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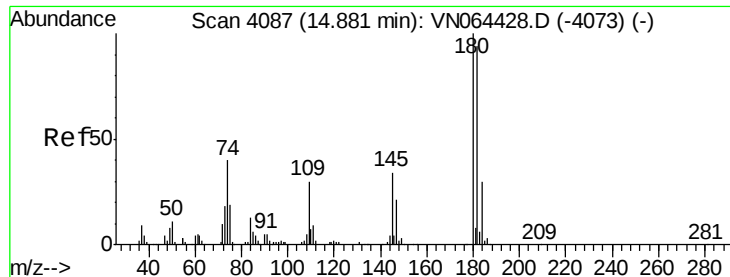
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.984 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN064438.D
 Acq: 4 Nov 2020 16:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	70.1	34.6	103.9
157	89.5	43.0	128.8





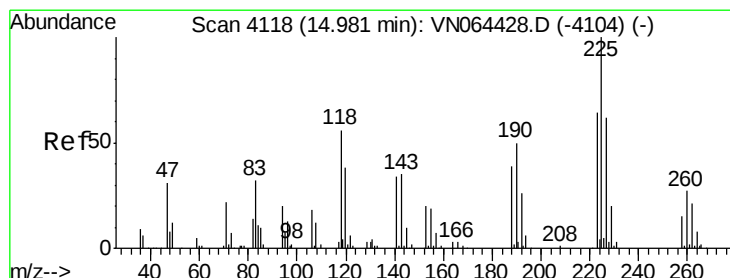
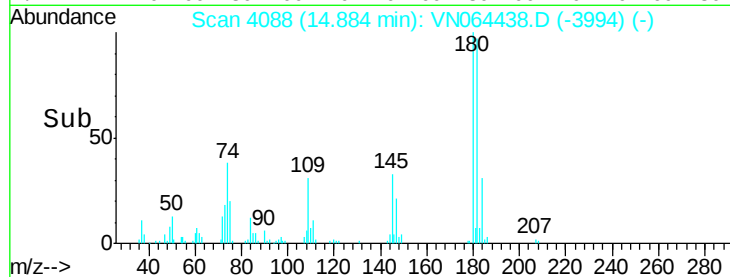
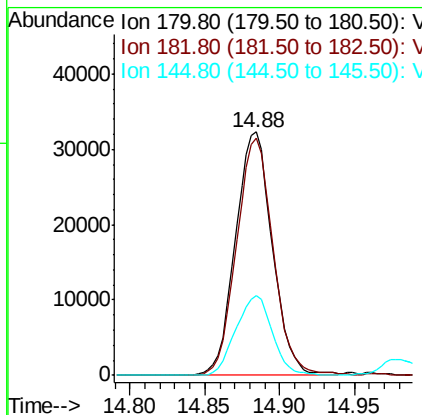
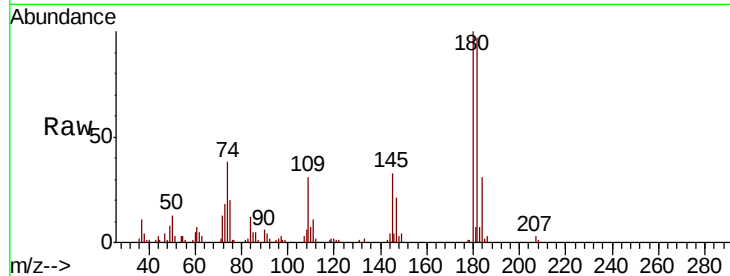
#93
 1,2,4-Trichlorobenzene
 Concen: 16.997 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN064438.D
 Acq: 4 Nov 2020 16:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1104WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.8	47.3	142.0
145	32.2	16.7	50.1

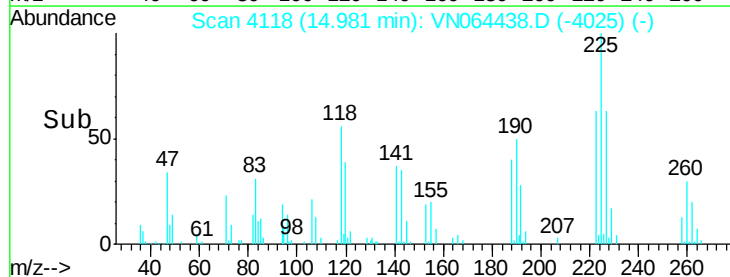
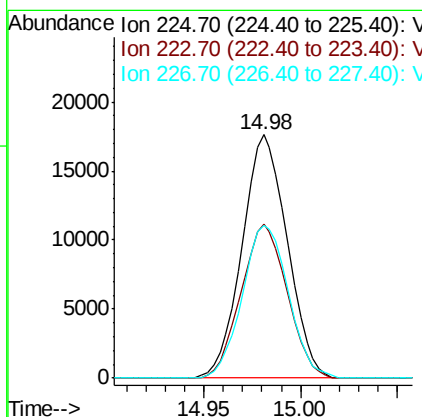
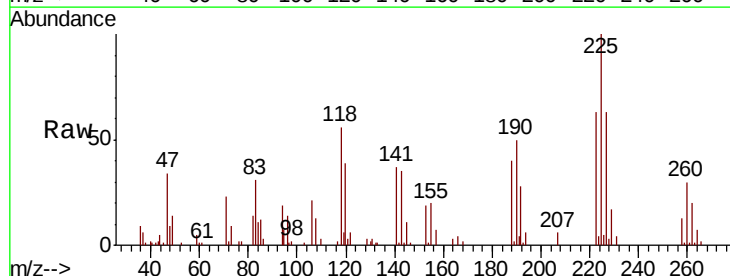
Manual Integrations
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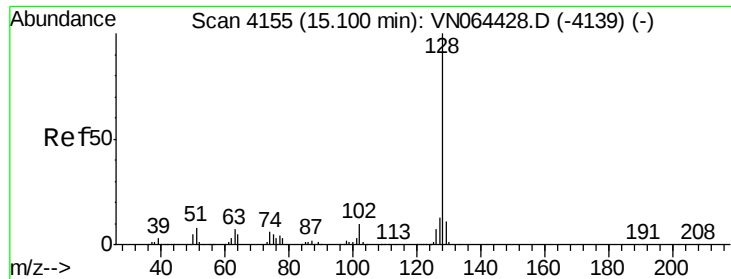
MMDadoda
 11/5/2020 2:19:32 PM



#94
 Hexachlorobutadiene
 Concen: 19.120 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064438.D
 Acq: 4 Nov 2020 16:00

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.3	31.8	95.4
227	64.0	31.8	95.4





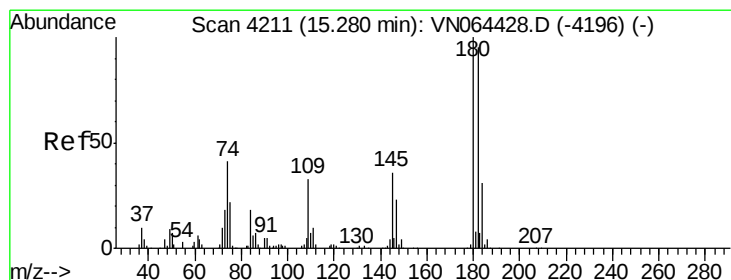
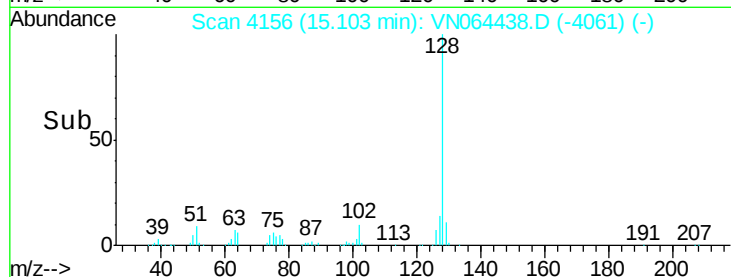
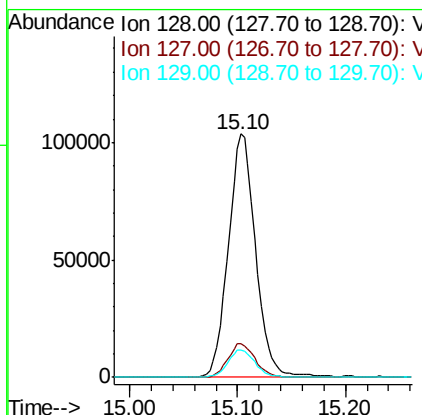
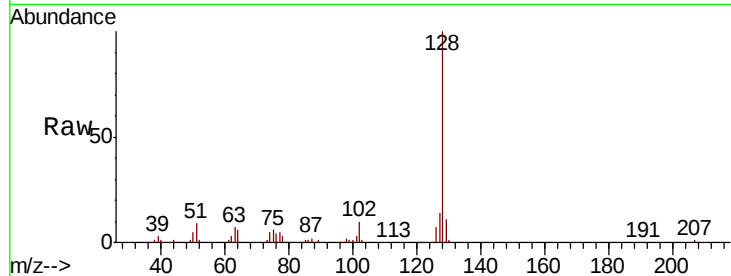
#95
Naphthalene
Concen: 17.218 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN064438.D
Acq: 4 Nov 2020 16:00

Instrument :
MSVOA_N
ClientSampleId :
VN1104WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.5	15.7
129	11.1	8.8	13.2

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 17.958 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN064438.D
Acq: 4 Nov 2020 16:00

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.7	47.7	143.1
145	35.4	18.3	54.8

