

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101420\
 Data File : VN064121.D
 Acq On : 14 Oct 2020 18:56
 Operator : JC/MD
 Sample : VN1014WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1014WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/15/2020 12:17:34 PM

Quant Time: Oct 15 07:13:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101420W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 15 01:16:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	356512	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	605799	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	560754	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	252399	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	251963	49.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.24%	
35) Dibromofluoromethane	7.55	113	201847	48.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.28%	
50) Toluene-d8	10.06	98	762006	48.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.32%	
62) 4-Bromofluorobenzene	12.38	95	249153	45.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	63628	18.943	ug/l	100
3) Chloromethane	2.04	50	77327	18.483	ug/l	98
4) Vinyl Chloride	2.16	62	92350	17.733	ug/l	95
5) Bromomethane	2.53	94	72437	18.535	ug/l	97
6) Chloroethane	2.68	64	71730	17.325	ug/l	94
7) Trichlorofluoromethane	2.98	101	126886	17.715	ug/l	99
8) Diethyl Ether	3.38	74	40786	18.201	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	66170	18.819	ug/l	99
10) Methyl Iodide	3.91	142	84133	16.972	ug/l	100
11) Tert butyl alcohol	4.73	59	52683	93.710	ug/l #	92
12) 1,1-Dichloroethene	3.70	96	60962	17.168	ug/l	97
13) Acrolein	3.57	56	39200	84.890	ug/l	100
14) Allyl chloride	4.28	41	99654	17.987	ug/l	98
15) Acrylonitrile	4.93	53	144372	89.439	ug/l	99
16) Acetone	3.78	43	137254	91.134	ug/l	99
17) Carbon Disulfide	4.01	76	182255	17.958	ug/l	97
18) Methyl Acetate	4.28	43	66620	17.634	ug/l	97
19) Methyl tert-butyl Ether	4.99	73	189310	18.075	ug/l	99
20) Methylene Chloride	4.51	84	78693	16.886	ug/l	99
21) trans-1,2-Dichloroethene	4.99	96	73656	18.296	ug/l	97
22) Diisopropyl ether	5.90	45	200878	18.664	ug/l #	88
23) Vinyl Acetate	5.85	43	889162	92.487	ug/l	99
24) 1,1-Dichloroethane	5.80	63	133405	17.749	ug/l	99
25) 2-Butanone	6.79	43	207646	89.638	ug/l	97
26) 2,2-Dichloropropane	6.78	77	114286	18.277	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	84963	17.940	ug/l	98
28) Bromochloromethane	7.15	49	63870	17.841	ug/l #	99
29) Tetrahydrofuran	7.17	42	121873	90.020	ug/l	99
30) Chloroform	7.33	83	143442	17.915	ug/l	98
31) Cyclohexane	7.62	56	101730	18.124	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	128113	18.516	ug/l	100
36) 1,1-Dichloropropene	7.76	75	99583	17.054	ug/l	97
37) Ethyl Acetate	6.88	43	89973	17.363	ug/l	99
38) Carbon Tetrachloride	7.73	117	109565	17.450	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	85021	17.320	ug/l	98
40) Benzene	8.00	78	315798	17.859	ug/l	99
41) Methacrylonitrile	7.13	41	35061m	15.628	ug/l	
42) 1,2-Dichloroethane	8.09	62	112510	17.882	ug/l	100
43) Isopropyl Acetate	8.13	43	147987	17.209	ug/l #	90
44) Trichloroethene	8.80	130	82448	17.732	ug/l	96
45) 1,2-Dichloropropane	9.08	63	83510	18.026	ug/l	99
46) Dibromomethane	9.17	93	58095	17.675	ug/l	96
47) Bromodichloromethane	9.37	83	113701	17.681	ug/l	99
48) Methyl methacrylate	9.17	41	68372	17.213	ug/l	97
49) 1,4-Dioxane	9.17	88	19642	325.652	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	455449	89.507	ug/l	100
52) Toluene	10.13	92	197297	18.159	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	118718	17.993	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	129567	17.871	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	79802	17.730	ug/l	98
56) Ethyl methacrylate	10.40	69	99918	16.915	ug/l	98
57) 1,3-Dichloropropane	10.68	76	131891	17.793	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.67	63	281029	92.807	ug/l	100
59) 2-Hexanone	10.72	43	321345	86.305	ug/l	98
60) Dibromochloromethane	10.87	129	88322	17.468	ug/l	100
61) 1,2-Dibromoethane	10.98	107	82924	18.100	ug/l	100
64) Tetrachloroethene	10.60	164	75944	17.963	ug/l	97
65) Chlorobenzene	11.41	112	215742	18.270	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.48	131	80754	18.012	ug/l	99
67) Ethyl Benzene	11.49	91	359347	18.166	ug/l	99
68) m/p-Xylenes	11.59	106	276558	35.362	ug/l	100
69) o-Xylene	11.92	106	128012	17.469	ug/l	99
70) Styrene	11.94	104	216312	17.458	ug/l	99
71) Bromoform	12.10	173	59601	17.562	ug/l #	98
73) Isopropylbenzene	12.23	105	337102	18.439	ug/l	100
74) N-amyl acetate	12.04	43	116440	17.007	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	112118	17.812	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	93001m	15.706	ug/l	
77) Bromobenzene	12.50	156	89806	18.094	ug/l	97
78) n-propylbenzene	12.57	91	383532	18.795	ug/l	100
79) 2-Chlorotoluene	12.65	91	233280	17.975	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	281486	19.182	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.28	75	34499	17.800	ug/l	97
82) 4-Chlorotoluene	12.75	91	237656	18.169	ug/l	99
83) tert-Butylbenzene	12.97	119	226274	18.644	ug/l	100
84) 1,2,4-Trimethylbenzene	13.02	105	278193	18.305	ug/l	98
85) sec-Butylbenzene	13.15	105	293889	18.837	ug/l	99
86) p-Isopropyltoluene	13.26	119	252940	17.576	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	152867	18.485	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	152672	18.050	ug/l	98
89) n-Butylbenzene	13.59	91	205144	18.045	ug/l	98
90) Hexachloroethane	13.85	117	47936	18.462	ug/l	94
91) 1,2-Dichlorobenzene	13.63	146	151020	18.348	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	20191	16.666	ug/l	96

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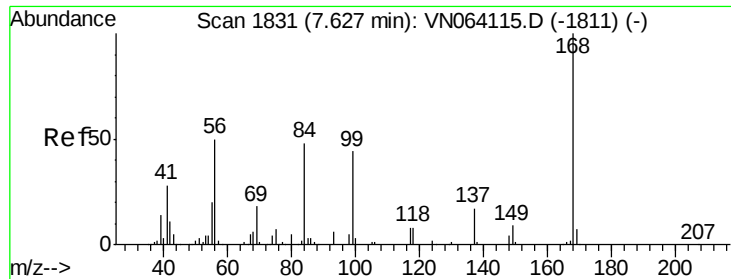
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	62585	17.680	ug/l	98
94) Hexachlorobutadiene	14.98	225	34107	17.394	ug/l	95
95) Naphthalene	15.10	128	182196	17.425	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	63839	17.767	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064121.D

Acq: 14 Oct 2020 18:56

Instrument :

MSVOA_N

ClientSampleId :

VN1014WBSD01

Tot Ion:168 Resp: 356512

Ion Ratio Lower Upper

168 100

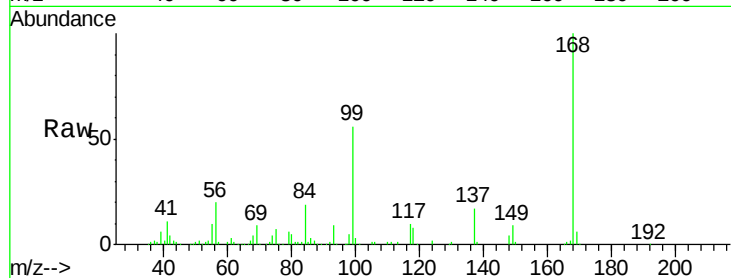
99 55.7 43.6 65.4

Manual Integrations

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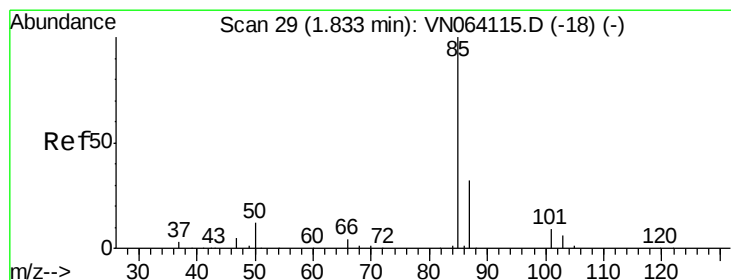
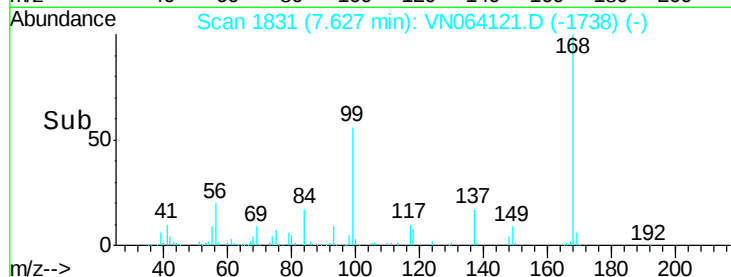
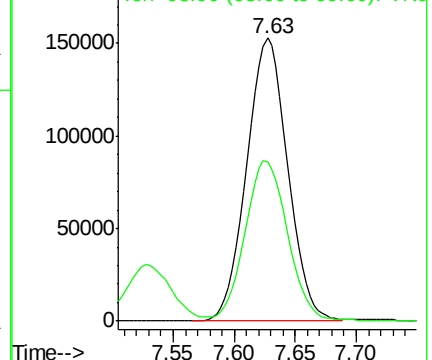
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 18.943 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064121.D

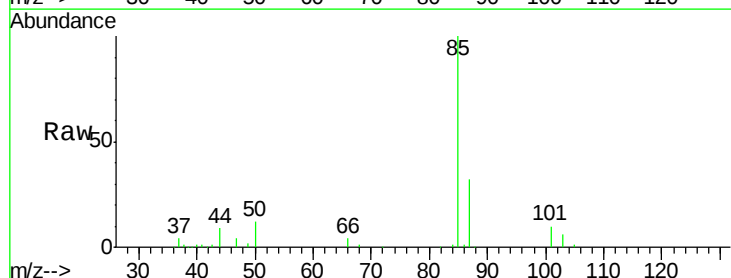
Acq: 14 Oct 2020 18:56

Tgt Ion: 85 Resp: 63628

Ion Ratio Lower Upper

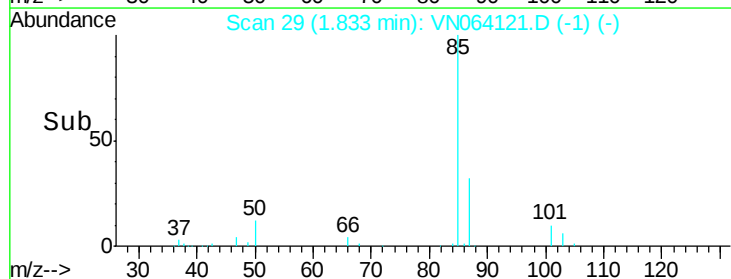
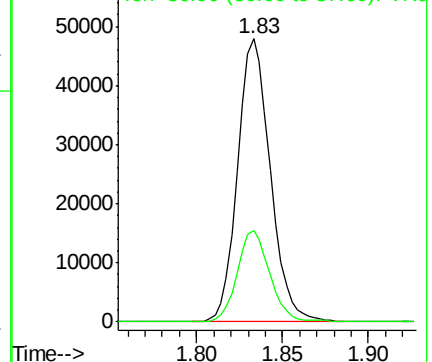
85 100

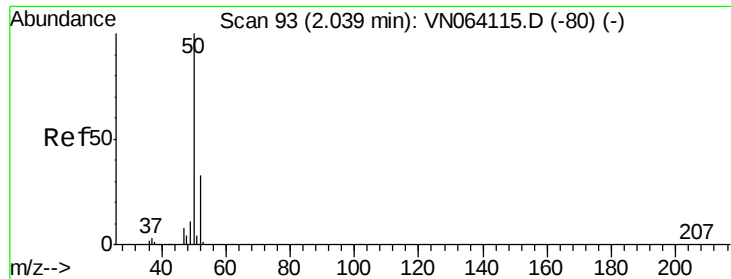
87 32.5 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 18.483 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064121.D

Acq: 14 Oct 2020 18:56

Instrument :

MSVOA_N

ClientSampleId :

VN1014WBSD01

Tot Ion: 50 Resp: 77327

Ion Ratio Lower Upper

50 100

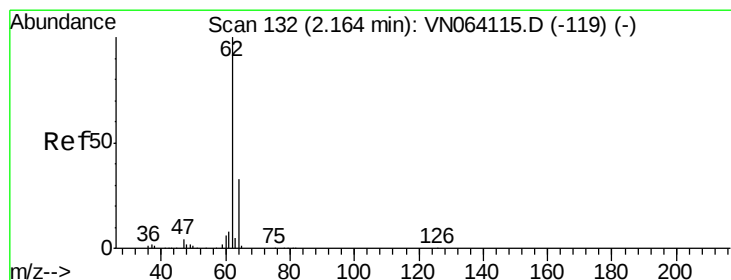
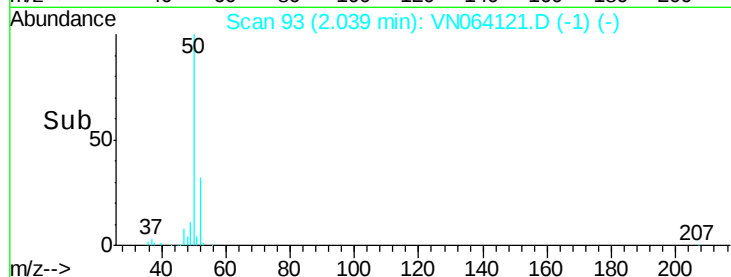
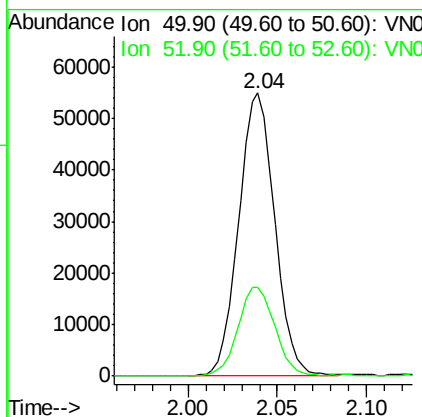
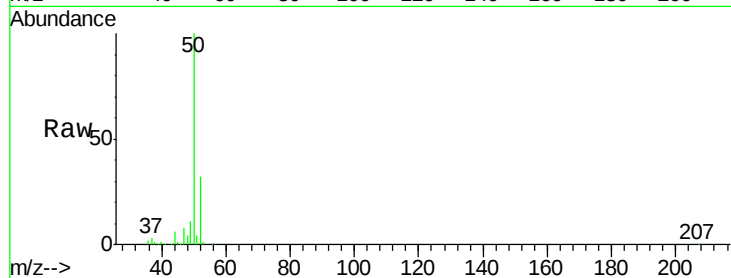
52 31.6 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.733 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN064121.D

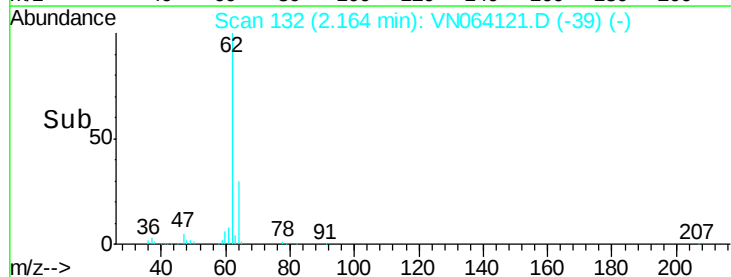
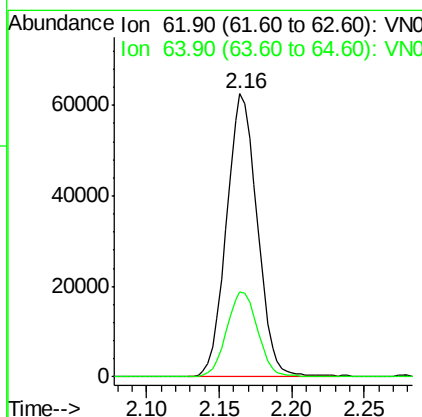
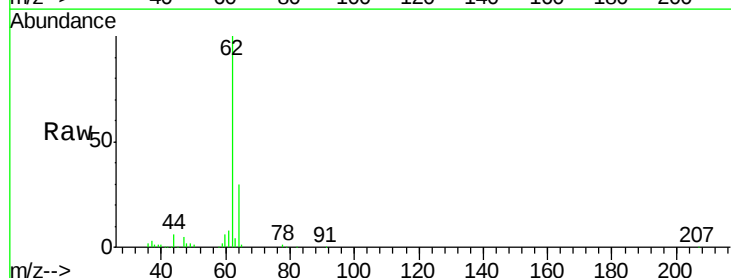
Acq: 14 Oct 2020 18:56

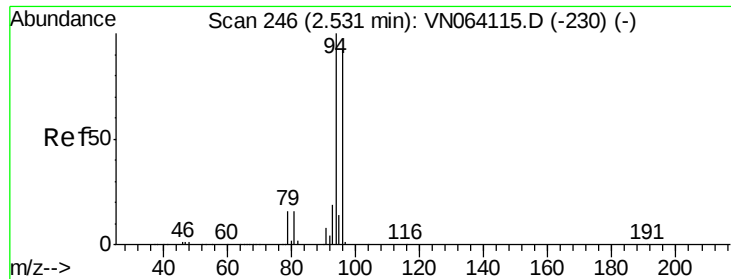
Tgt Ion: 62 Resp: 92350

Ion Ratio Lower Upper

62 100

64 30.0 26.2 39.4





#5

Bromomethane

Concen: 18.535 ug/l

RT: 2.53 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN064121.D

Acq: 14 Oct 2020 18:56

Instrument :

MSVOA_N

ClientSampleId :

VN1014WBSD01

Tot Ion: 94 Resp: 72437

Ion Ratio Lower Upper

94 100

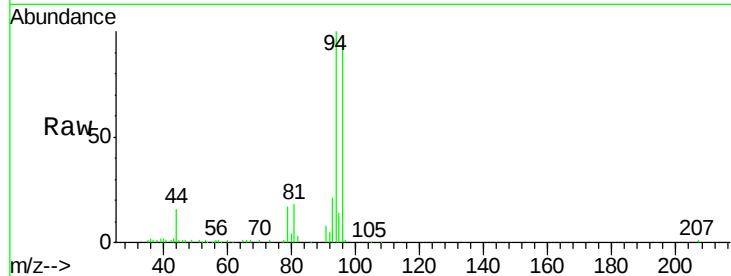
96 94.7 73.5 110.3

Manual Integrations

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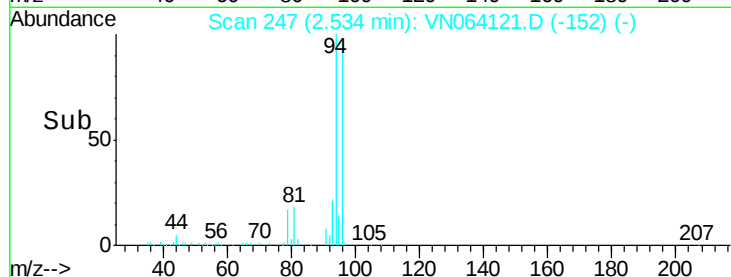


Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.53

Time-->



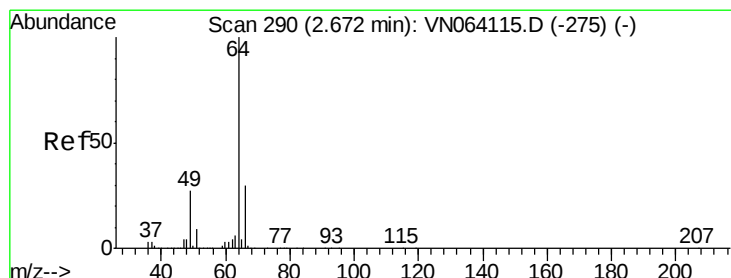
Abundance

Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.53

Time-->



#6

Chloroethane

Concen: 17.325 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN064121.D

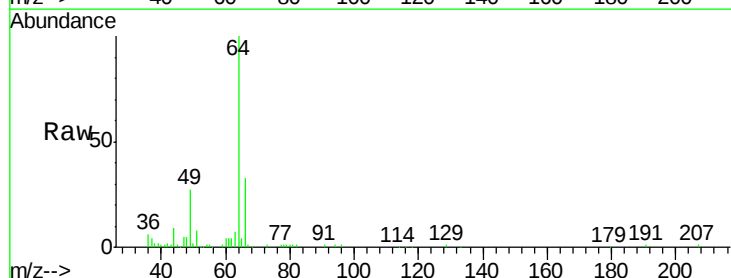
Acq: 14 Oct 2020 18:56

Tgt Ion: 64 Resp: 71730

Ion Ratio Lower Upper

64 100

66 33.4 24.2 36.2

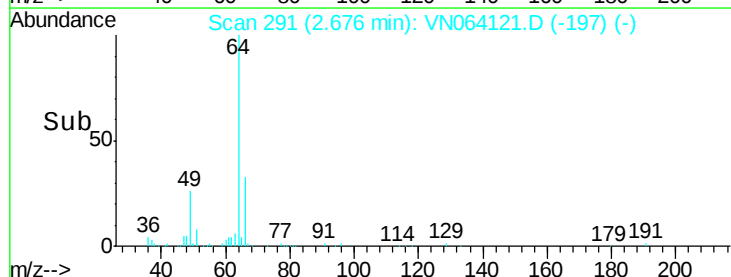


Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.68

Time-->



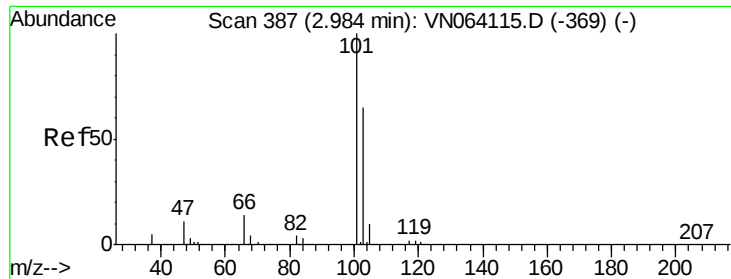
Abundance

Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.68

Time-->



#7

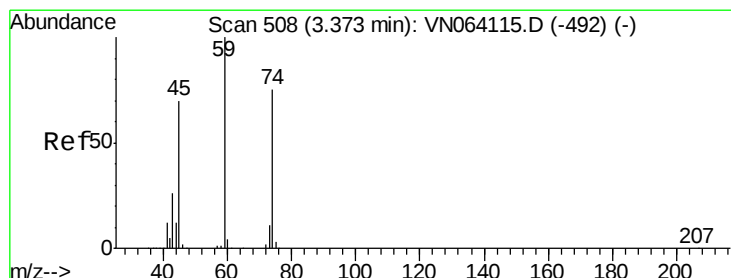
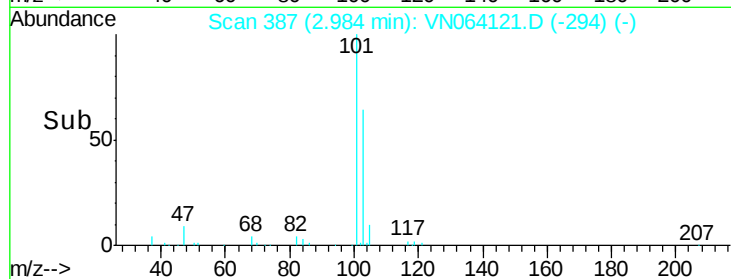
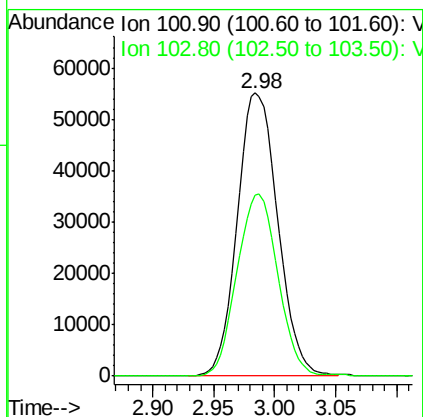
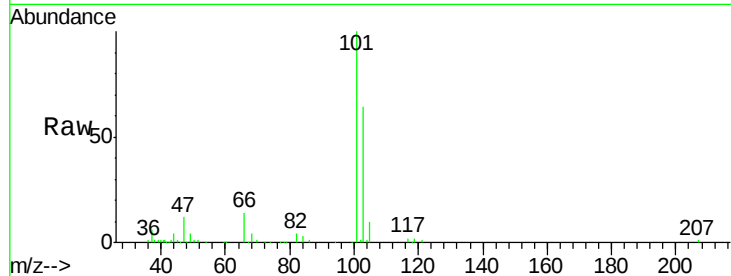
Trichlorofluoromethane
Concen: 17.715 ug/l
RT: 2.98 min Scan# 387
Delta R.T. 0.00 min
Lab File: VN064121.D
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		126886		
103	64.2	51.8	77.6		

Manual Integrations
APPROVED

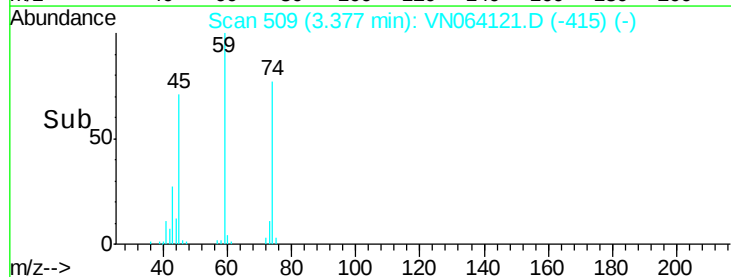
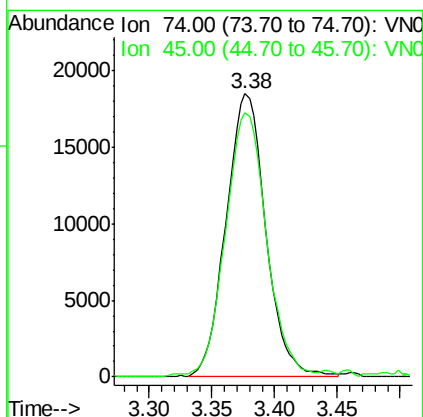
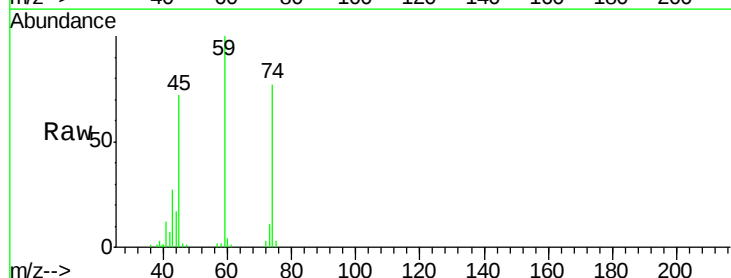
MMDadoda
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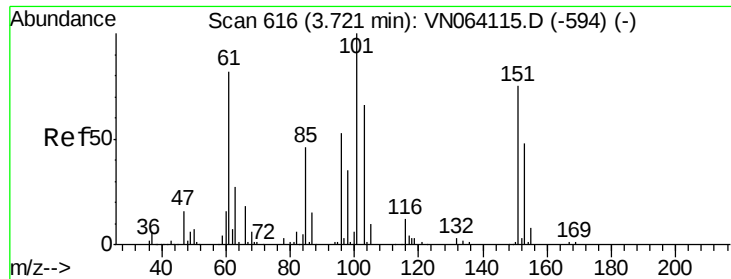


#8

Diethyl Ether
Concen: 18.201 ug/l
RT: 3.38 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN064121.D
Acq: 14 Oct 2020 18:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		40786		
45	93.7	47.0	141.0		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.819 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN064121.D

Acq: 14 Oct 2020 18:56

Instrument :

MSVOA_N

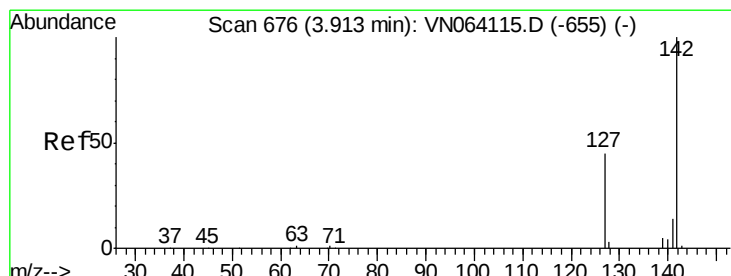
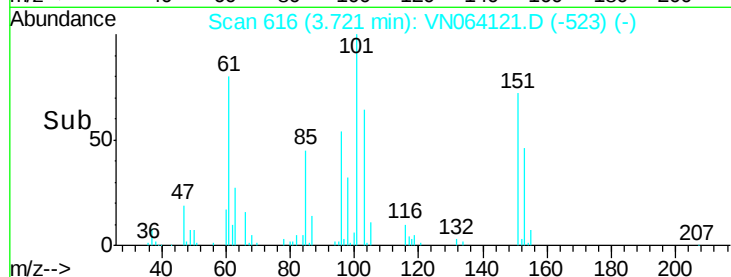
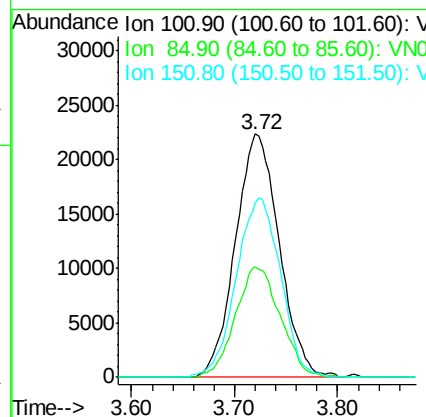
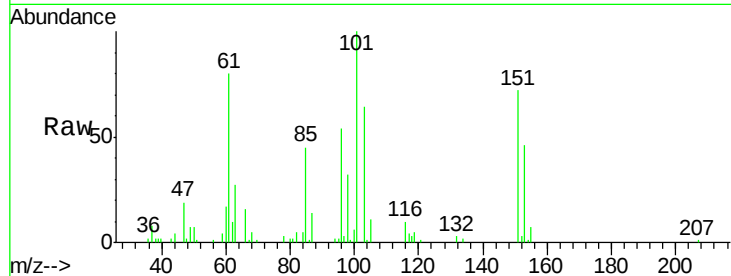
ClientSampleId :

VN1014WBSD01

Tot Ion:	101	Resp:	66170
Ion Ratio	Lower	Upper	
101	100		
85	46.2	36.9	55.3
151	74.4	60.7	91.1

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#10

Methyl Iodide

Concen: 16.972 ug/l

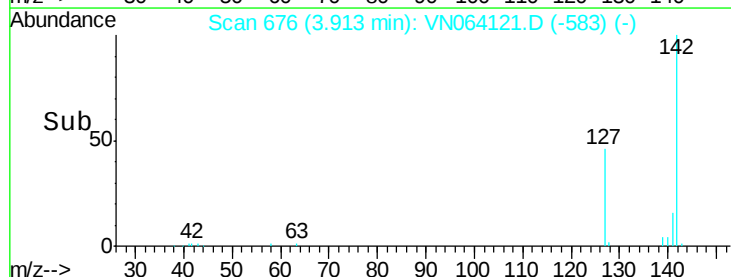
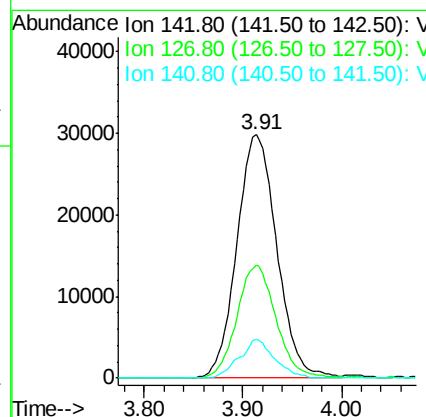
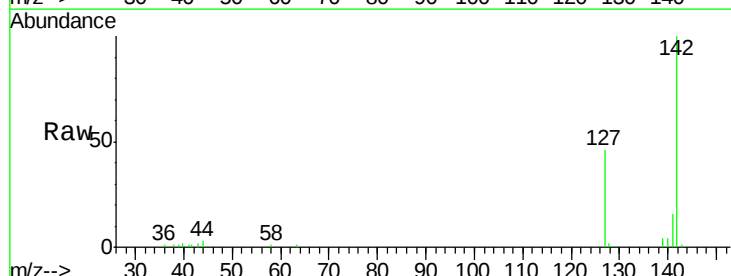
RT: 3.91 min Scan# 676

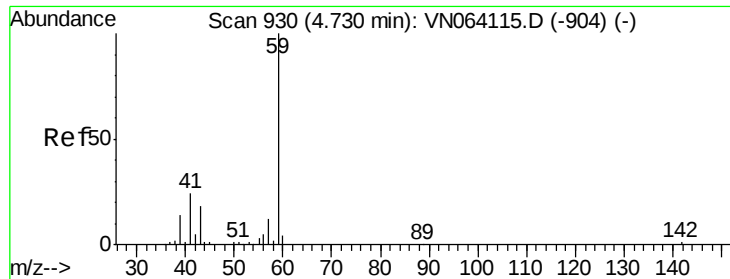
Delta R.T. 0.00 min

Lab File: VN064121.D

Acq: 14 Oct 2020 18:56

Tgt Ion:	142	Resp:	84133
Ion Ratio	Lower	Upper	
142	100		
127	45.3	36.3	54.5
141	14.0	11.6	17.4





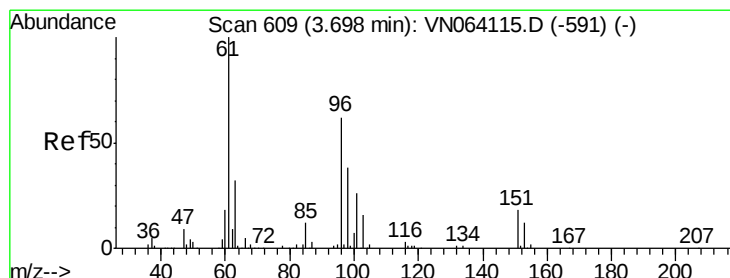
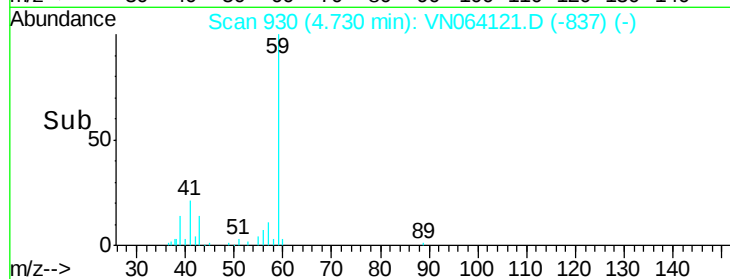
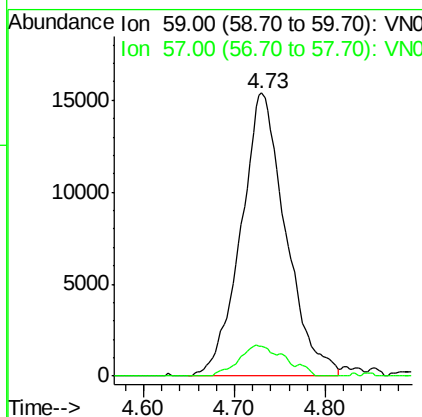
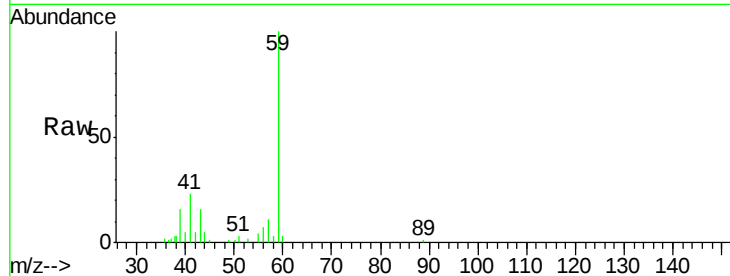
#11
Tert butyl alcohol
Concen: 93.710 ug/l
RT: 4.73 min Scan# 930
Delta R.T. 0.00 min
Lab File: VN064121.D
Acq: 14 Oct 2020 18:56

Instrument :
MSVOA_N
ClientSampleId :
VN1014WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.2	8.9	13.3#

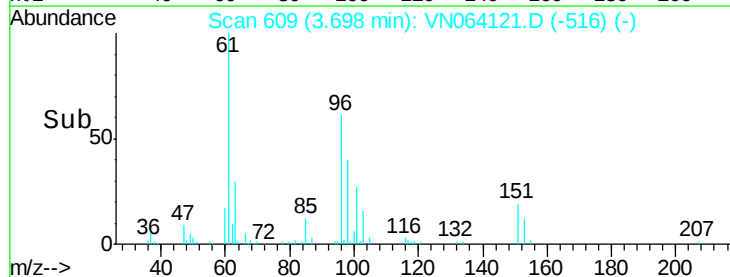
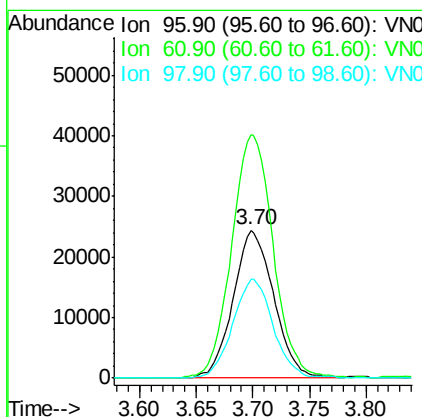
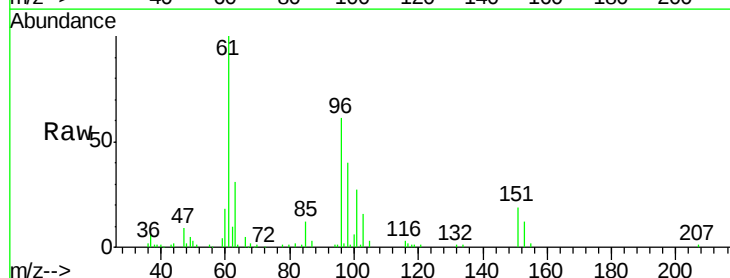
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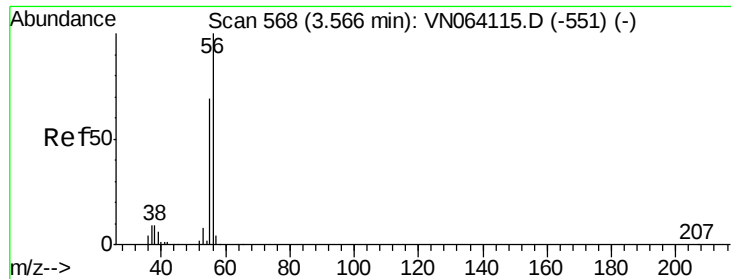
MMDadoda
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#12
1,1-Dichloroethene
Concen: 17.168 ug/l
RT: 3.70 min Scan# 609
Delta R.T. 0.00 min
Lab File: VN064121.D
Acq: 14 Oct 2020 18:56

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.6	129.9	194.9
98	66.8	48.9	73.3





#13

Acrolein

Concen: 84.890 ug/l

RT: 3.57 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN064121.D

Acq: 14 Oct 2020 18:56

Instrument :

MSVOA_N

ClientSampleId :

VN1014WBSD01

Tot Ion: 56 Resp: 39200

Ion Ratio Lower Upper

56 100

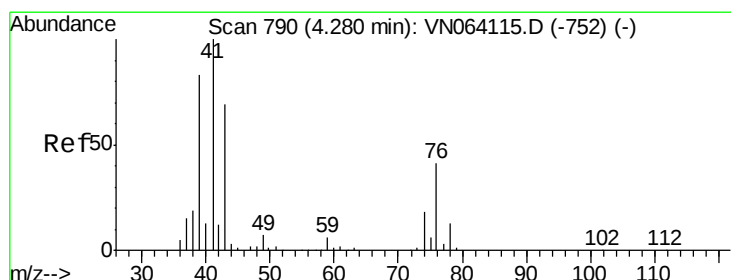
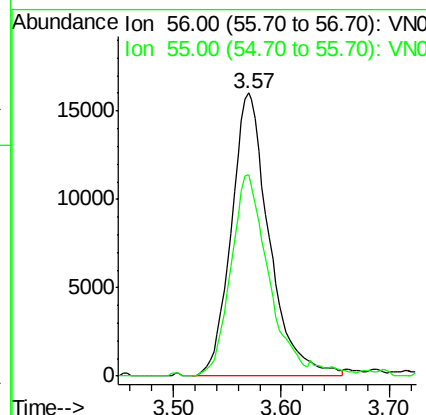
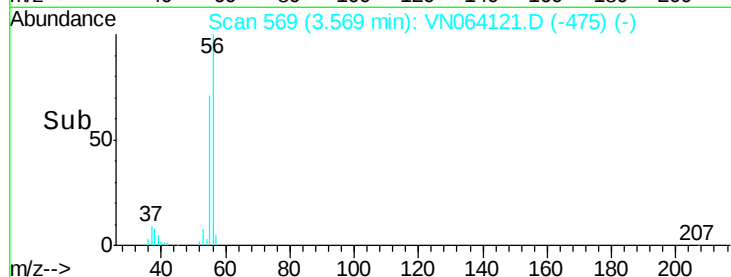
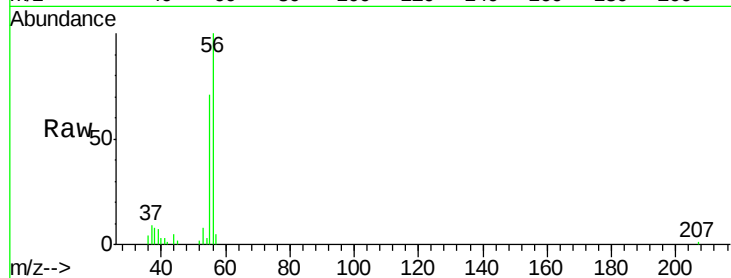
55 69.8 55.8 83.6

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#14

Allyl chloride

Concen: 17.987 ug/l

RT: 4.28 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN064121.D

Acq: 14 Oct 2020 18:56

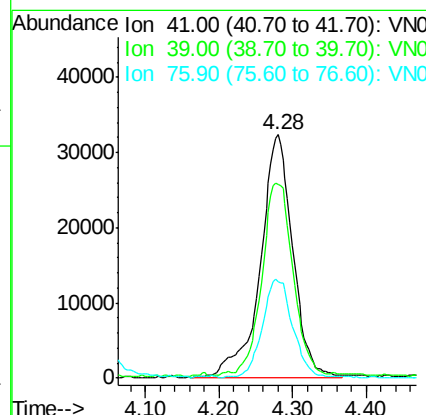
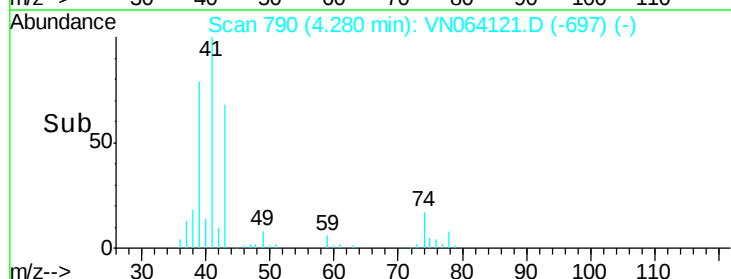
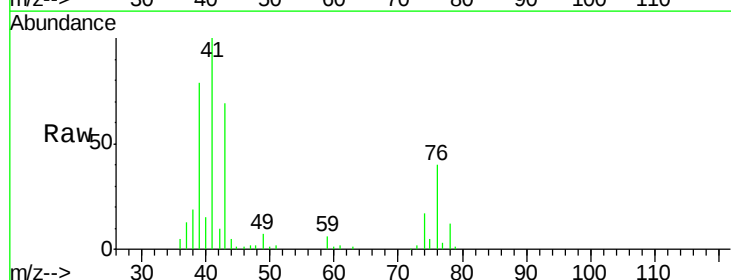
Tgt Ion: 41 Resp: 99654

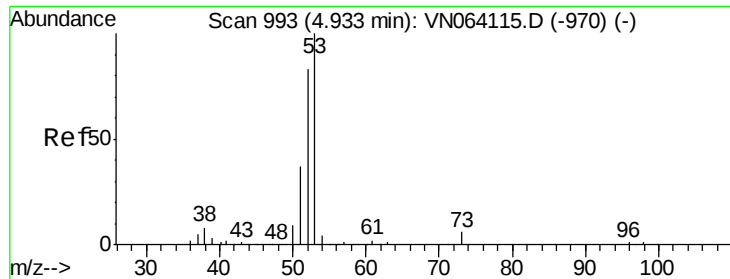
Ion Ratio Lower Upper

41 100

39 73.3 60.5 90.7

76 38.0 29.5 44.3





#15

Acrylonitrile

Concen: 89.439 ug/l

RT: 4.93 min Scan# 993

Delta R.T. 0.00 min

Lab File: VN064121.D

Acq: 14 Oct 2020 18:56

Instrument :

MSVOA_N

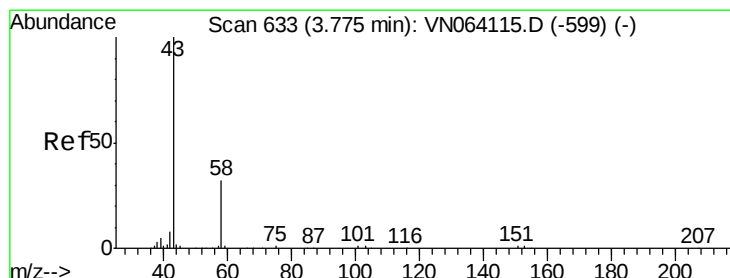
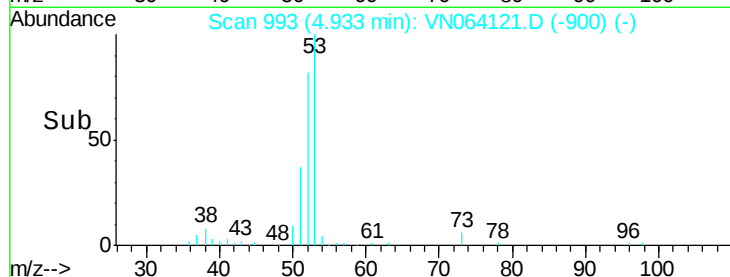
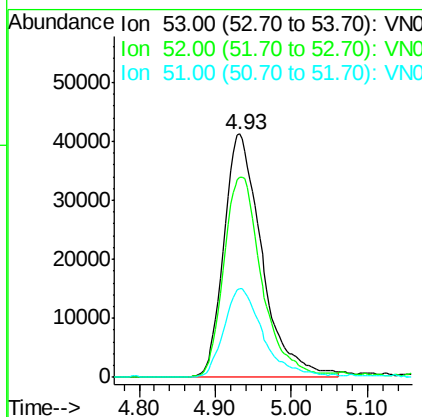
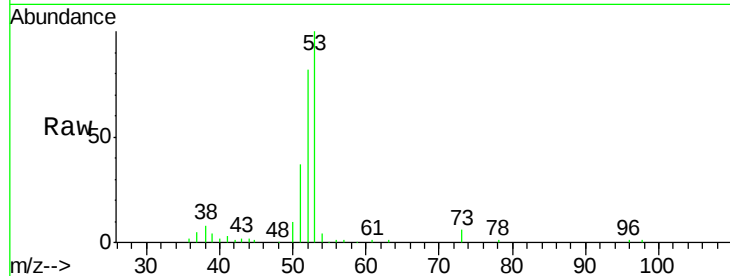
ClientSampleId :

VN1014WBSD01

Tot Ion:	53	Resp:	144372
Ion	Ratio	Lower	Upper
53	100		
52	81.6	65.8	98.6
51	37.4	29.4	44.2

Manual Integrations
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#16

Acetone

Concen: 91.134 ug/l

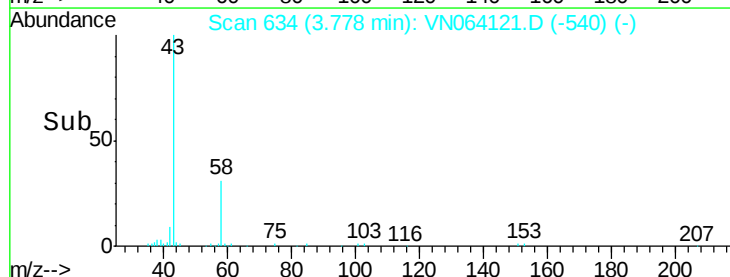
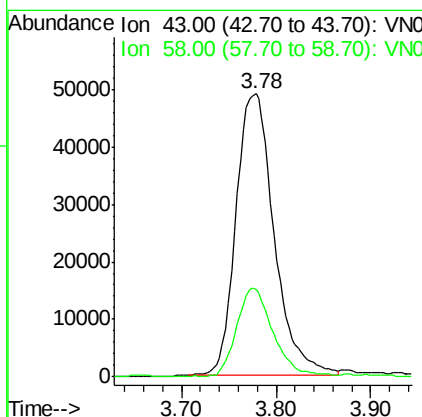
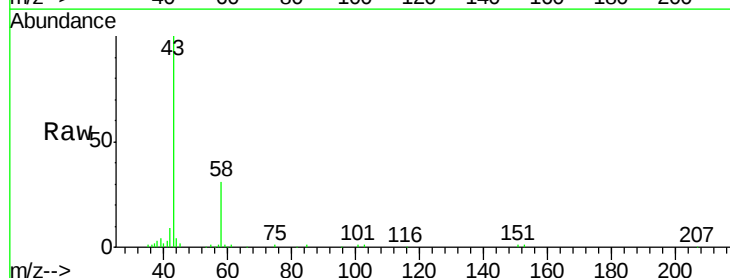
RT: 3.78 min Scan# 634

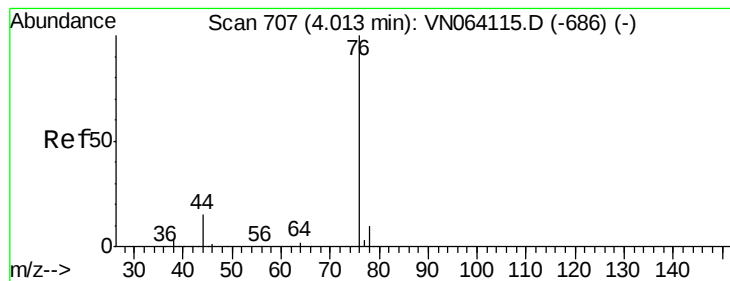
Delta R.T. 0.00 min

Lab File: VN064121.D

Acq: 14 Oct 2020 18:56

Tgt Ion:	43	Resp:	137254
Ion	Ratio	Lower	Upper
43	100		
58	31.1	25.2	37.8





#17

Carbon Disulfide

Concen: 17.958 ug/l

RT: 4.01 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN064121.D

Acq: 14 Oct 2020 18:56

Instrument :

MSVOA_N

ClientSampleId :

VN1014WBSD01

Tot Ion: 76 Resp: 182255

Ion Ratio Lower Upper

76 100

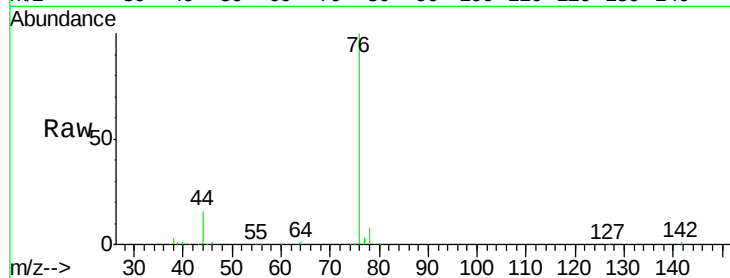
78 8.4 7.6 11.4

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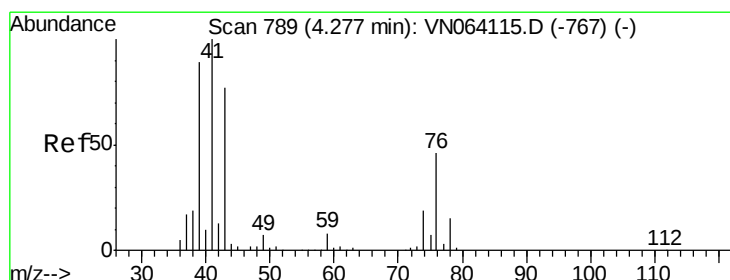
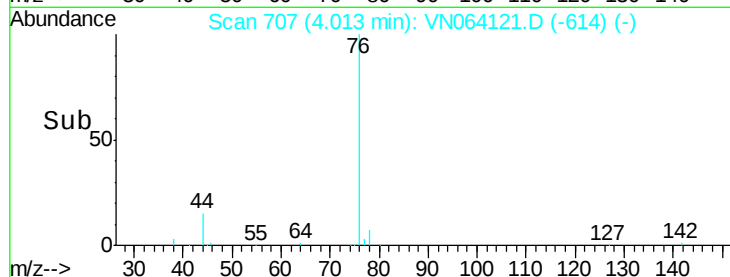
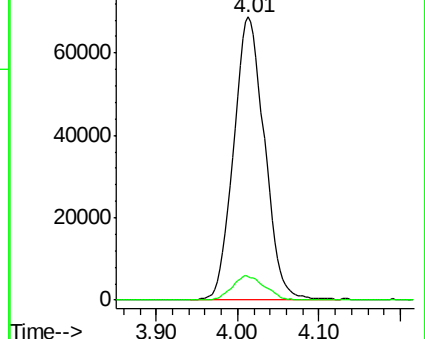
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 17.634 ug/l

RT: 4.28 min Scan# 791

Delta R.T. 0.01 min

Lab File: VN064121.D

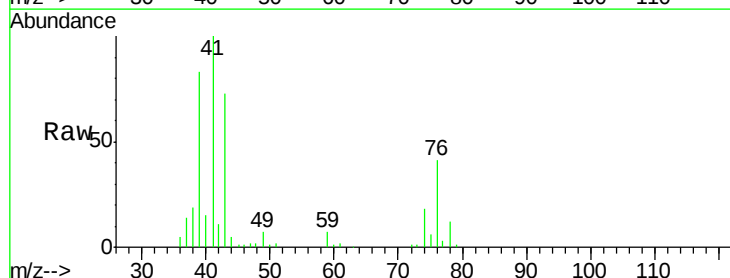
Acq: 14 Oct 2020 18:56

Tgt Ion: 43 Resp: 66620

Ion Ratio Lower Upper

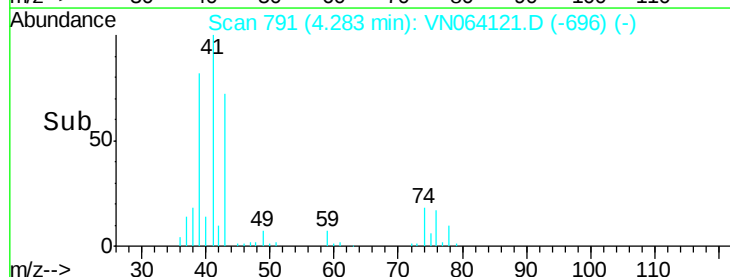
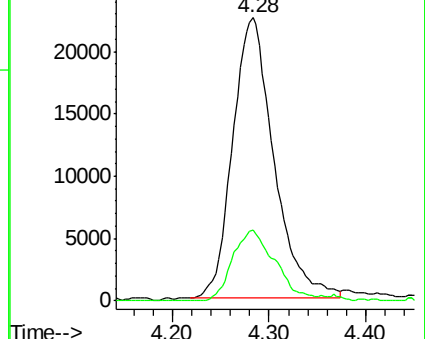
43 100

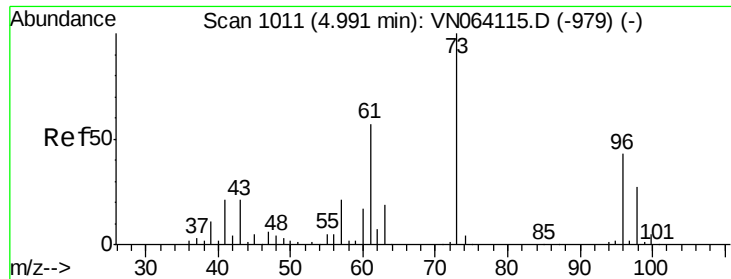
74 26.1 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





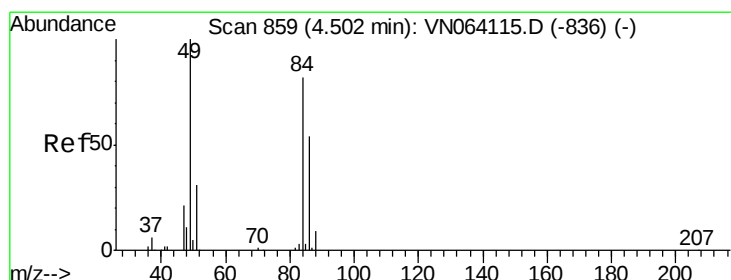
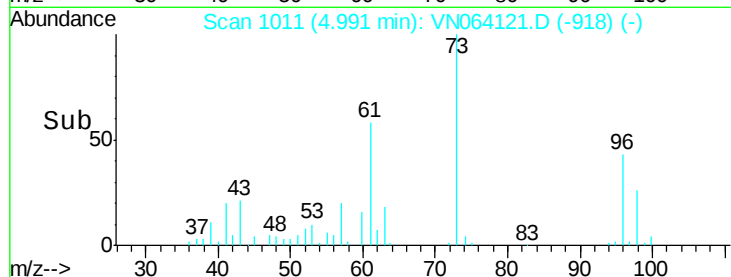
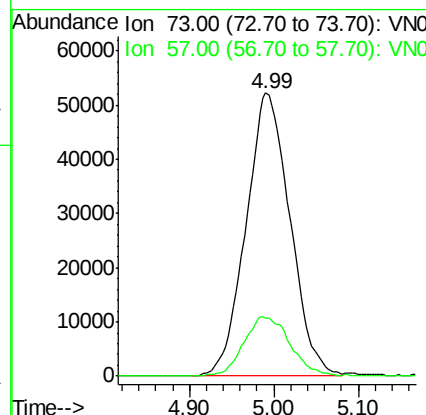
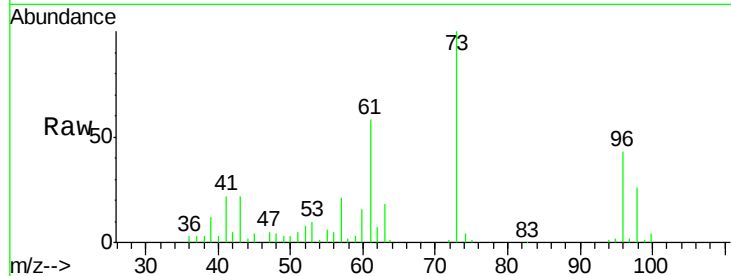
#19
Methyl tert-butyl Ether
Concen: 18.075 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN064121.D
Acq: 14 Oct 2020 18:56

Instrument :
MSVOA_N
ClientSampleId :
VN1014WBSD01

Tot Ion: 73 Resp: 189310
Ion Ratio Lower Upper
73 100
57 20.6 17.0 25.4

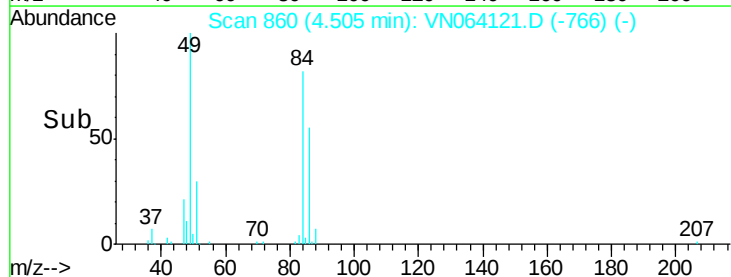
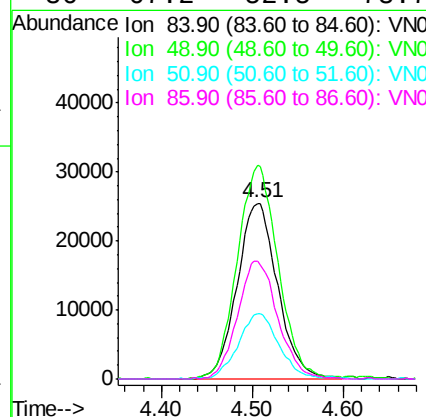
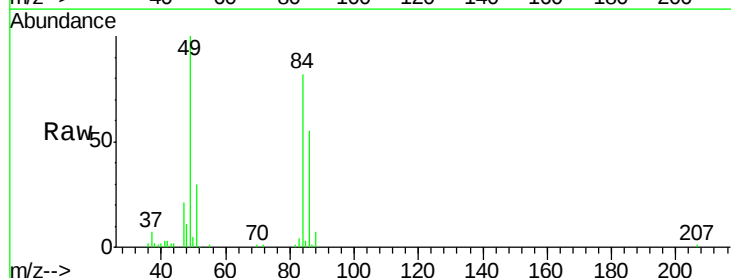
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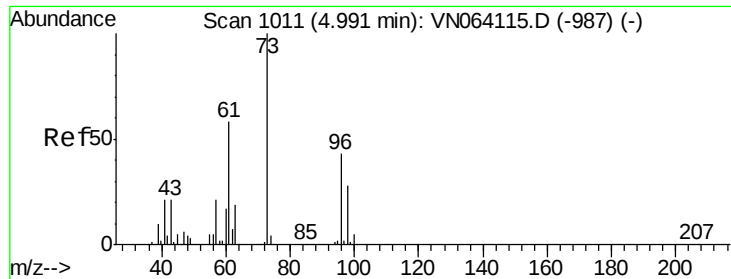
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#20
Methylene Chloride
Concen: 16.886 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN064121.D
Acq: 14 Oct 2020 18:56

Tgt Ion: 84 Resp: 78693
Ion Ratio Lower Upper
84 100
49 120.7 97.4 146.0
51 36.8 29.7 44.5
86 67.2 52.5 78.7





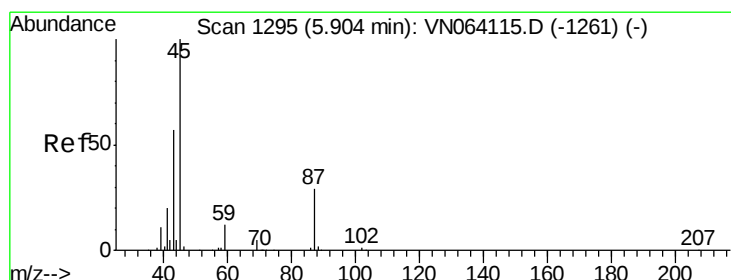
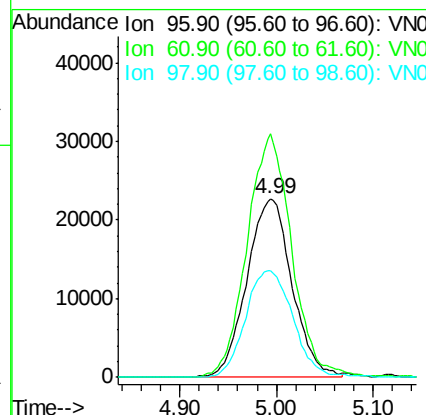
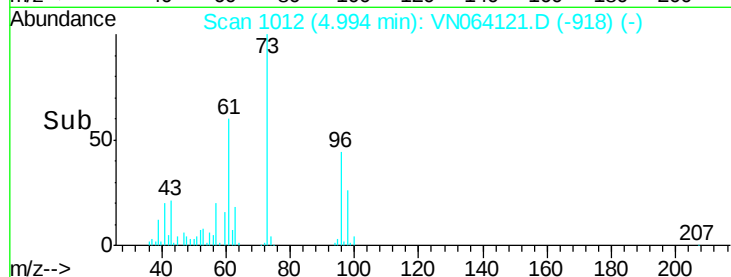
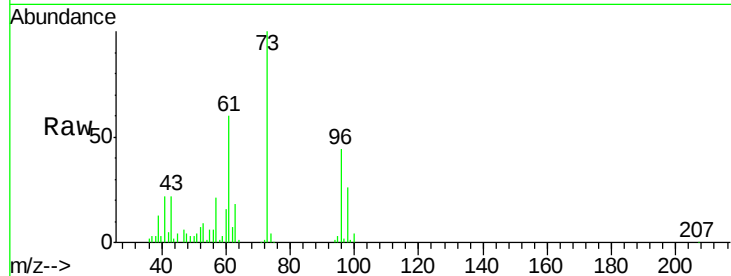
#21
trans-1,2-Dichloroethene
Concen: 18.296 ug/l
RT: 4.99 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VN064121.D
Acq: 14 Oct 2020 18:56

Instrument :
MSVOA_N
ClientSampleId :
VN1014WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.3	107.0	160.4
98	59.8	51.0	76.6

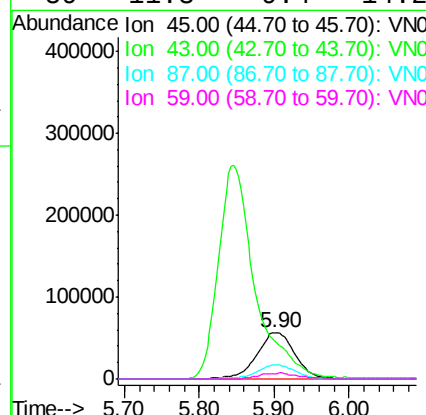
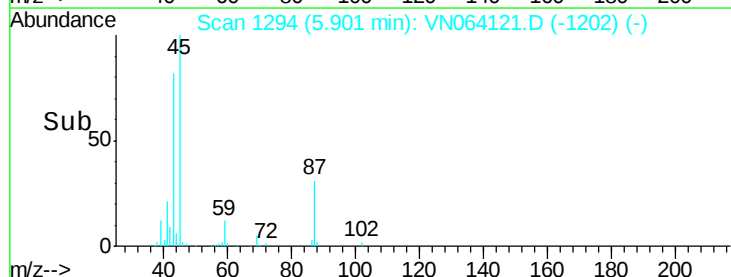
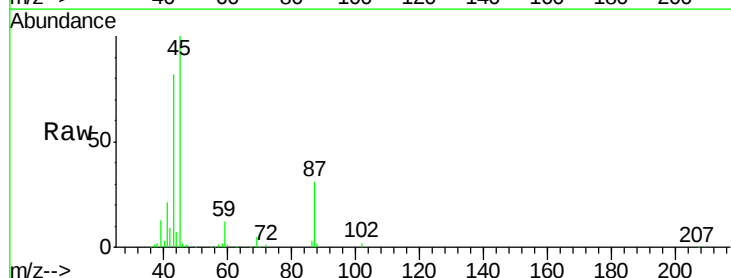
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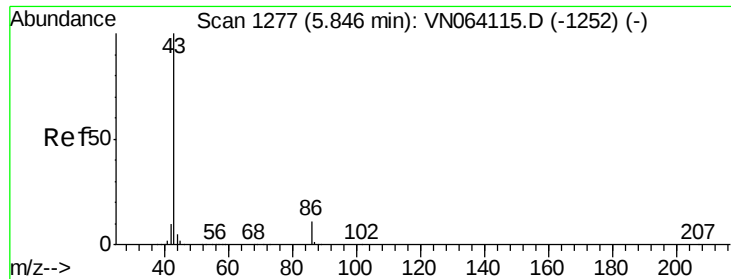
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#22
Diisopropyl ether
Concen: 18.664 ug/l
RT: 5.90 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VN064121.D
Acq: 14 Oct 2020 18:56

Tgt Ion	Ratio	Lower	Upper
45	100		
43	78.5	50.9	76.3#
87	30.7	23.5	35.3
59	11.3	9.4	14.2





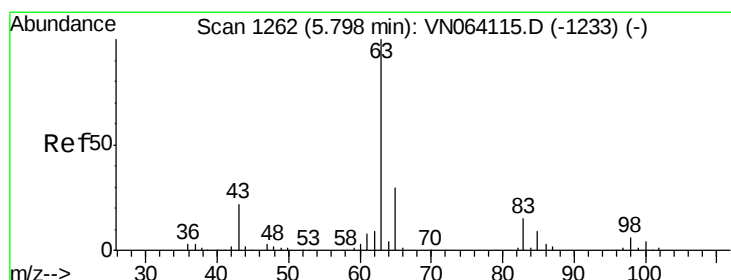
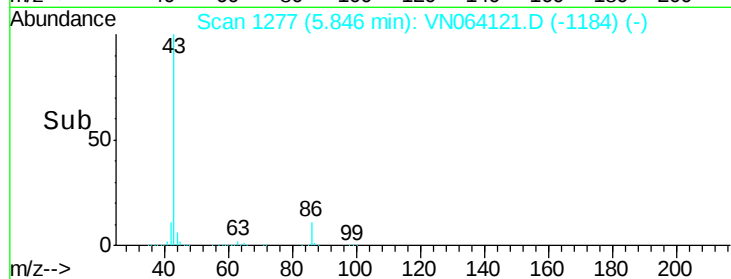
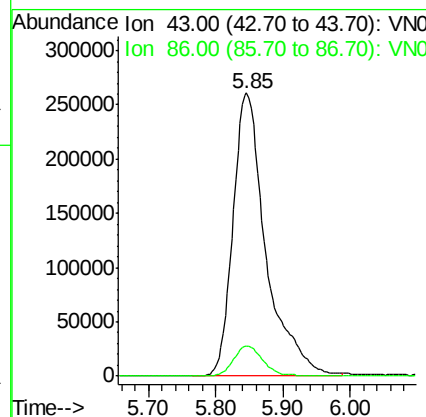
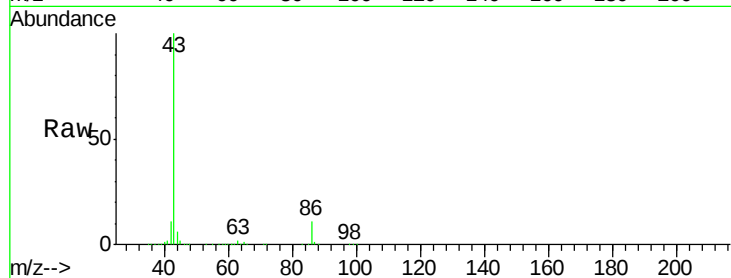
#23
 Vinyl Acetate
 Concen: 92.487 ug/l
 RT: 5.85 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VN064121.D
 Acq: 14 Oct 2020 18:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1014WBSD01

Tot Ion: 43 Resp: 889162
 Ion Ratio Lower Upper
 43 100
 86 10.6 8.8 13.2

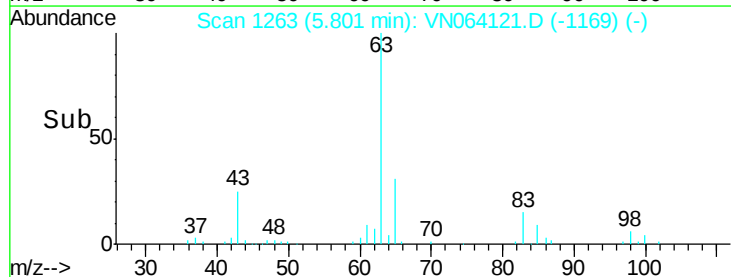
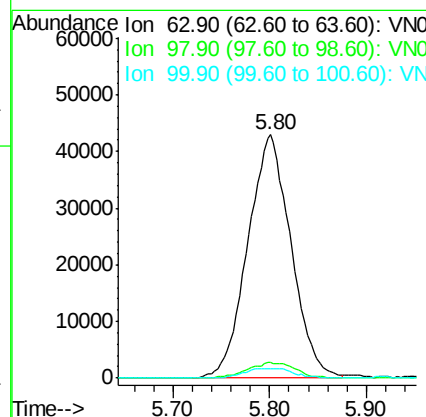
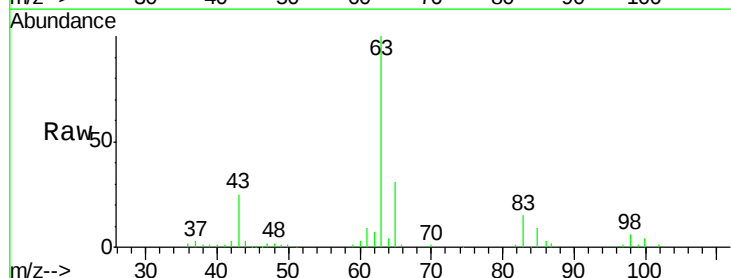
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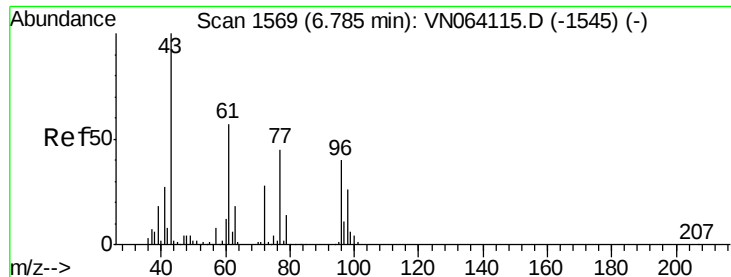
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#24
 1,1-Dichloroethane
 Concen: 17.749 ug/l
 RT: 5.80 min Scan# 1263
 Delta R.T. 0.00 min
 Lab File: VN064121.D
 Acq: 14 Oct 2020 18:56

Tgt Ion: 63 Resp: 133405
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.1 9.3
 100 3.7 2.1 6.2





#25

2-Butanone

Concen: 89.638 ug/l

RT: 6.79 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN064121.D

Acq: 14 Oct 2020 18:56

Instrument :

MSVOA_N

ClientSampleId :

VN1014WBSD01

Tot Ion: 43 Resp: 207646

Ion Ratio Lower Upper

43 100

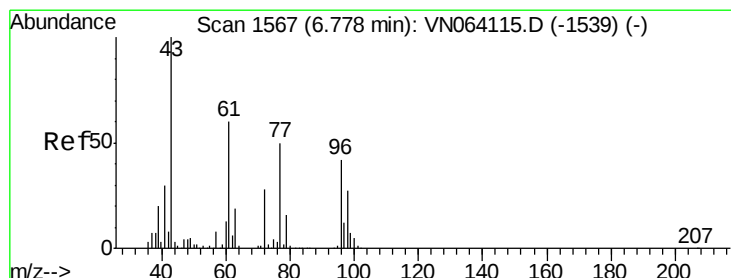
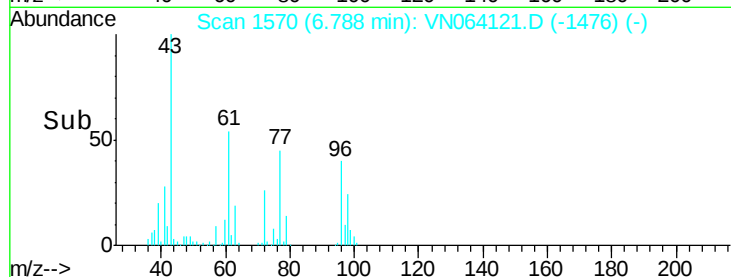
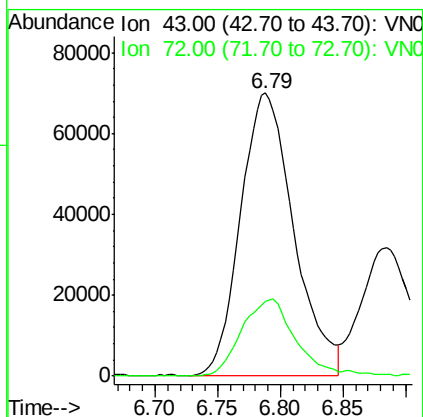
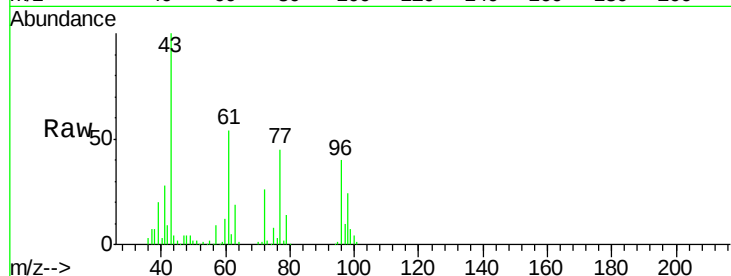
72 26.2 22.2 33.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.277 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN064121.D

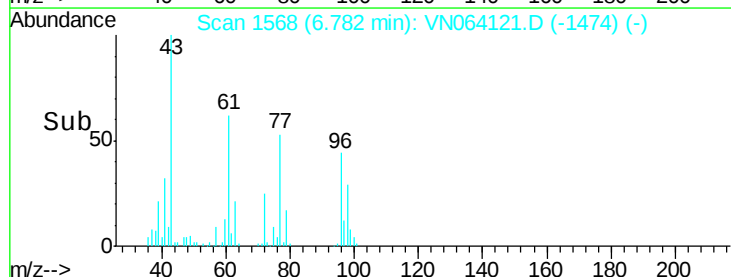
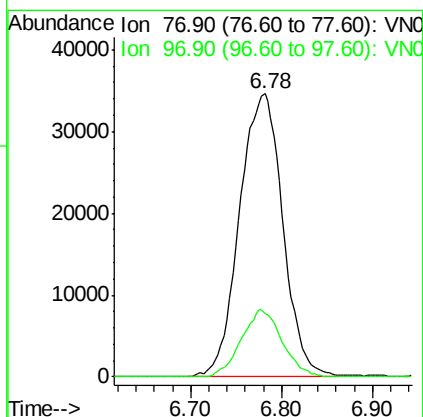
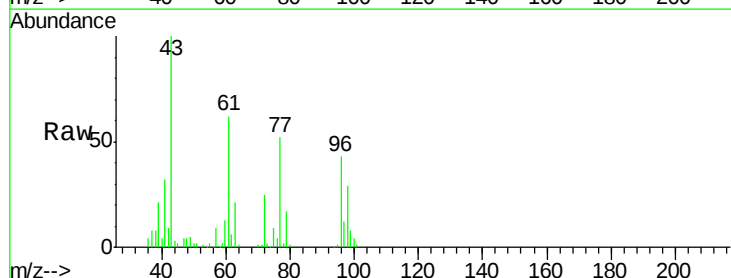
Acq: 14 Oct 2020 18:56

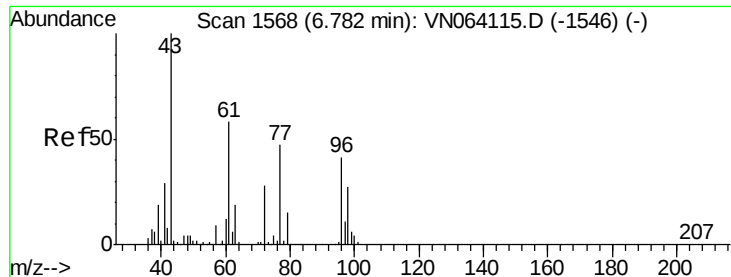
Tgt Ion: 77 Resp: 114286

Ion Ratio Lower Upper

77 100

97 22.4 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 17.940 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN064121.D

Acq: 14 Oct 2020 18:56

Instrument :

MSVOA_N

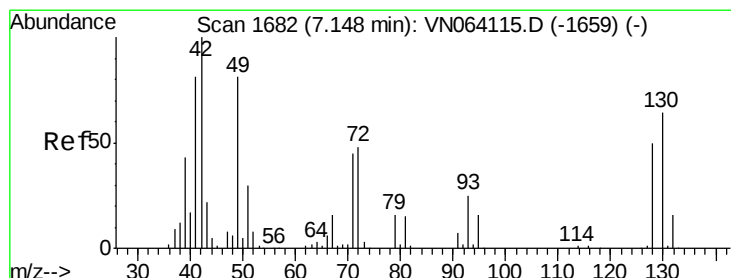
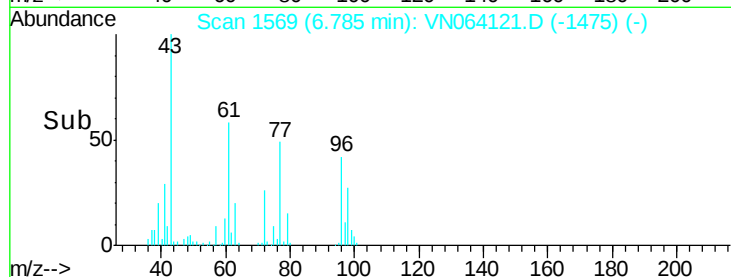
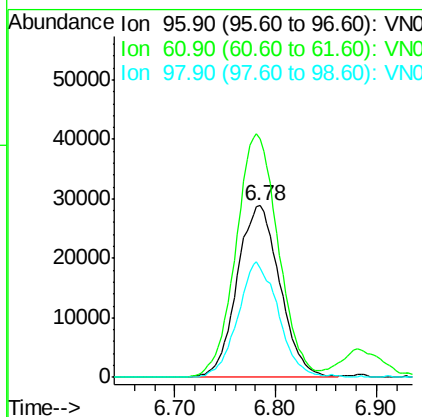
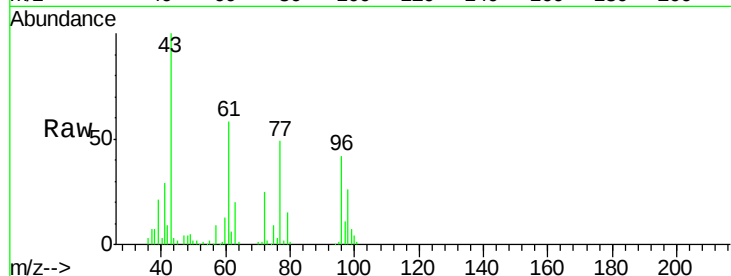
ClientSampleId :

VN1014WBSD01

Tot Ion:	96	Resp:	84963
Ion	Ratio	Lower	Upper
96	100		
61	140.1	0.0	285.6
98	63.5	0.0	131.0

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#28

Bromochloromethane

Concen: 17.841 ug/l

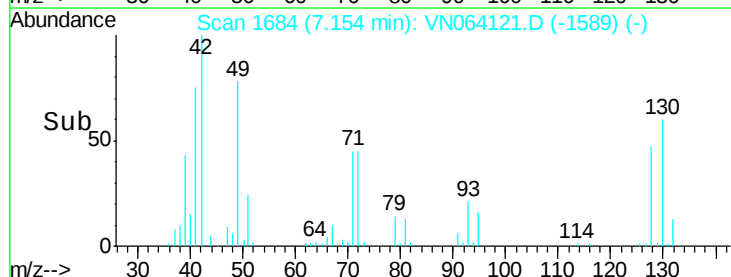
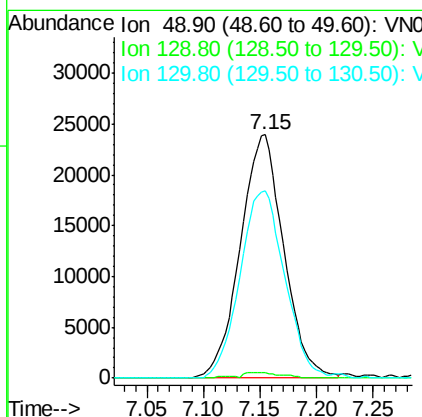
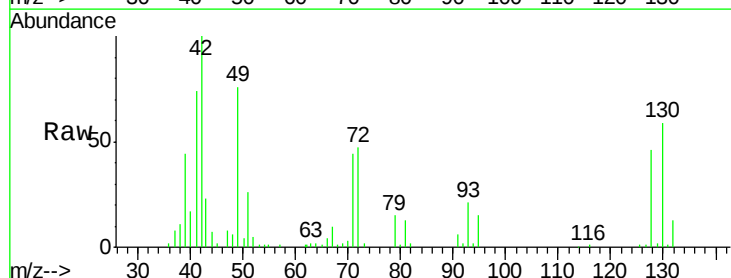
RT: 7.15 min Scan# 1684

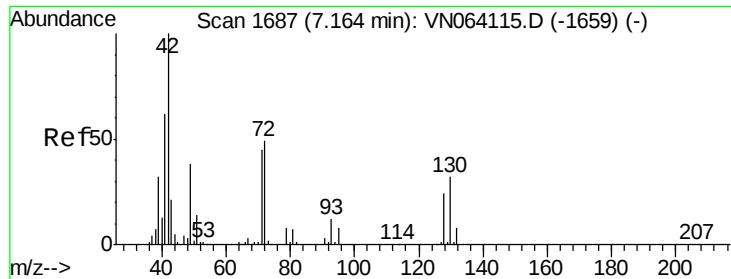
Delta R.T. 0.01 min

Lab File: VN064121.D

Acq: 14 Oct 2020 18:56

Tgt Ion:	49	Resp:	63870
Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	2.0
130	79.2	0.0	0.0#





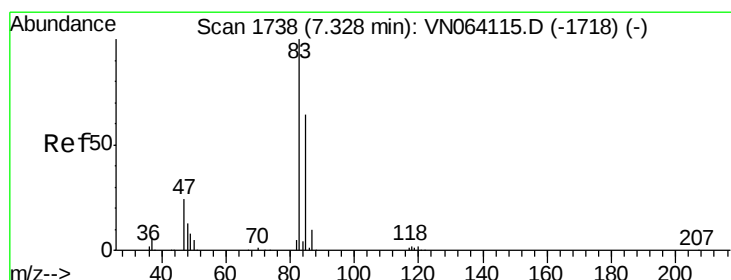
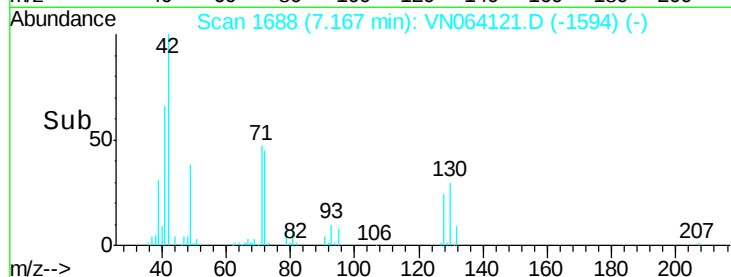
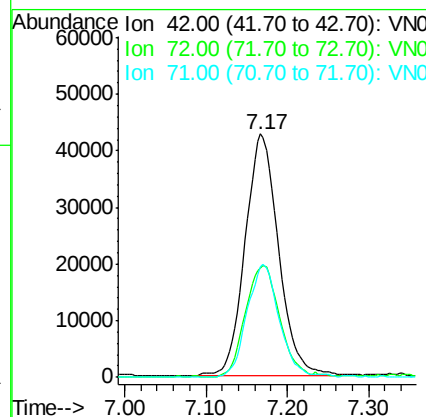
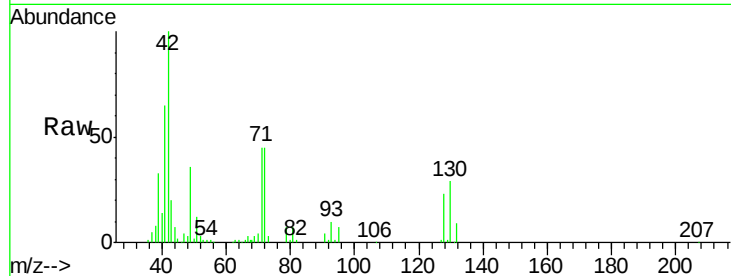
#29
Tetrahydrofuran
Concen: 90.020 ug/l
RT: 7.17 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VN064121.D
Acq: 14 Oct 2020 18:56

Instrument :
MSVOA_N
ClientSampleId :
VN1014WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.8	37.8	56.6
71	44.4	35.3	52.9

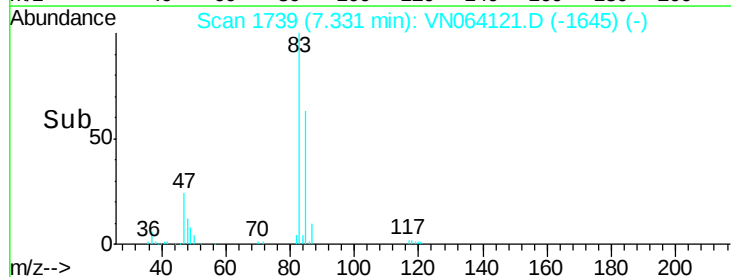
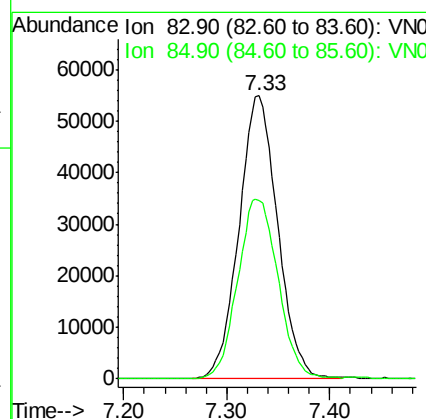
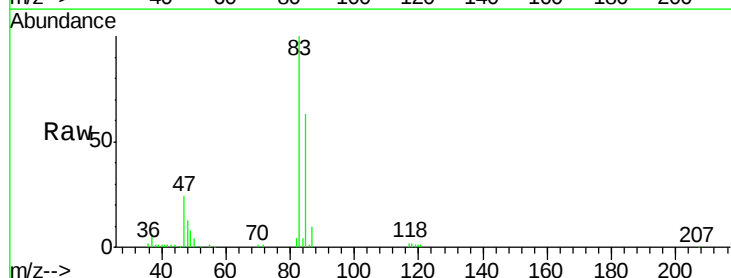
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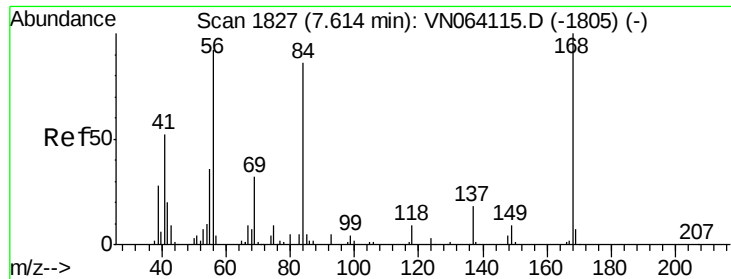
MMDadoda
10/15/2020 12:17:34 PM



#30
Chloroform
Concen: 17.915 ug/l
RT: 7.33 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VN064121.D
Acq: 14 Oct 2020 18:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.0	51.5	77.3





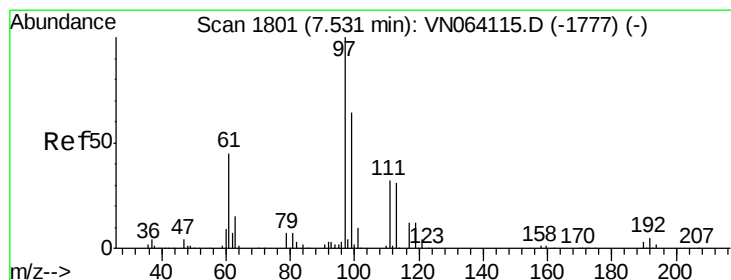
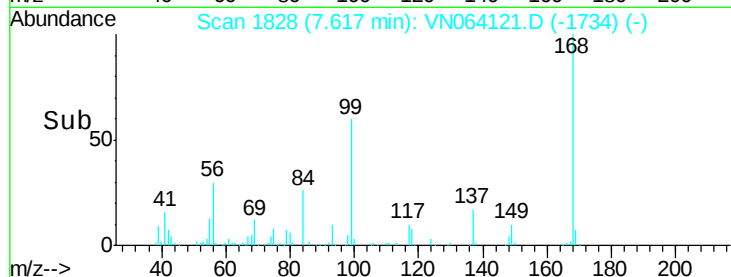
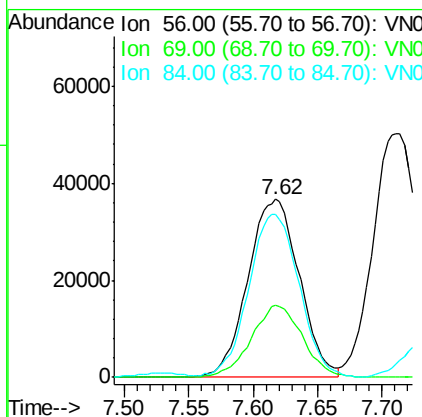
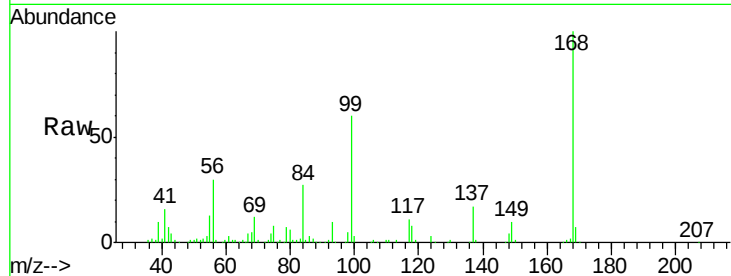
#31
Cyclohexane
Concen: 18.124 ug/l
RT: 7.62 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN064121.D
Acq: 14 Oct 2020 18:56

Instrument :
MSVOA_N
ClientSampleId :
VN1014WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	40.0	27.8	41.6
84	90.4	73.2	109.8

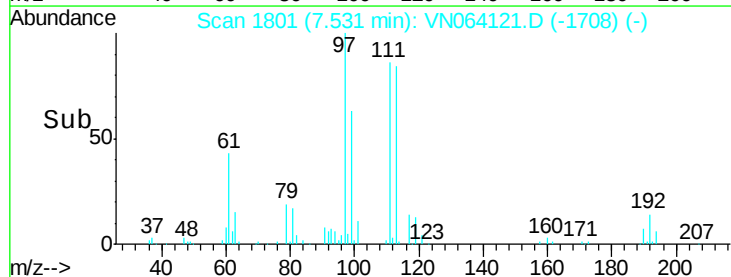
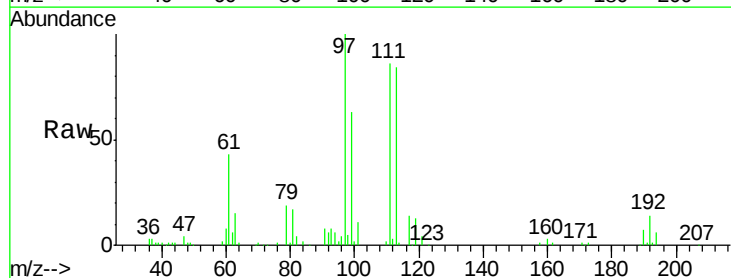
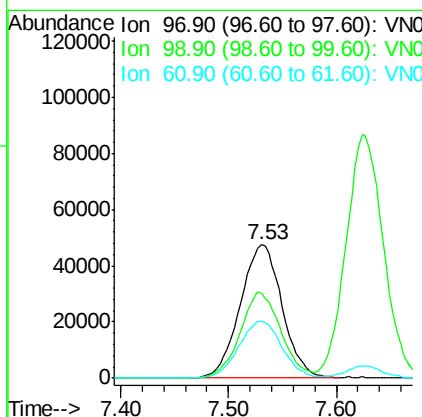
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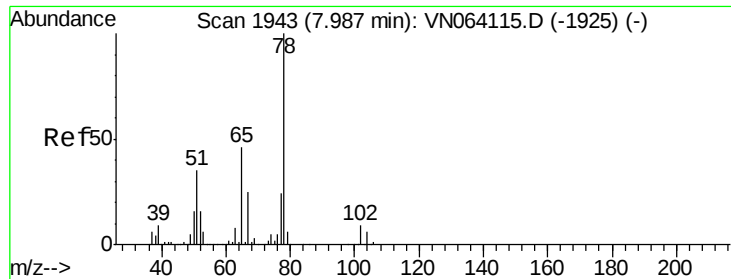
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#32
1,1,1-Trichloroethane
Concen: 18.516 ug/l
RT: 7.53 min Scan# 1801
Delta R.T. 0.00 min
Lab File: VN064121.D
Acq: 14 Oct 2020 18:56

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.7	50.2	75.2
61	44.0	35.6	53.4





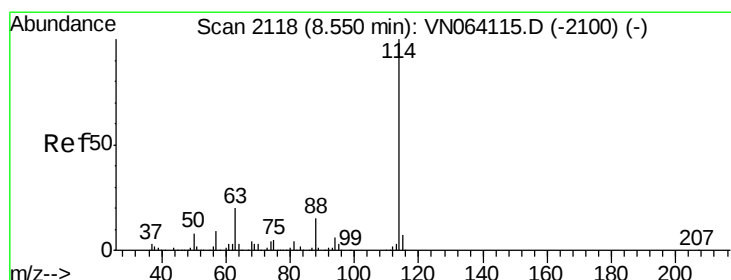
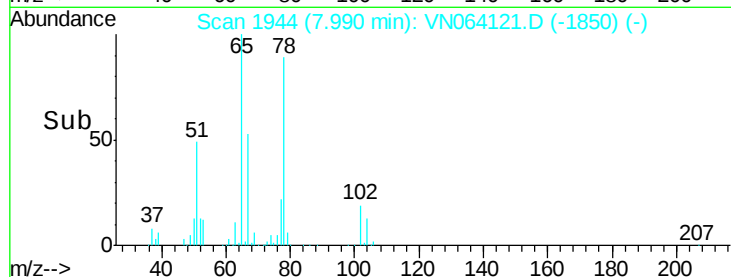
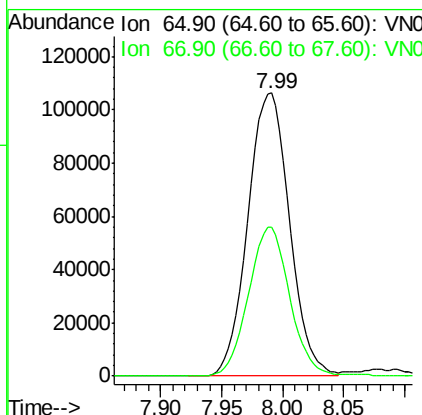
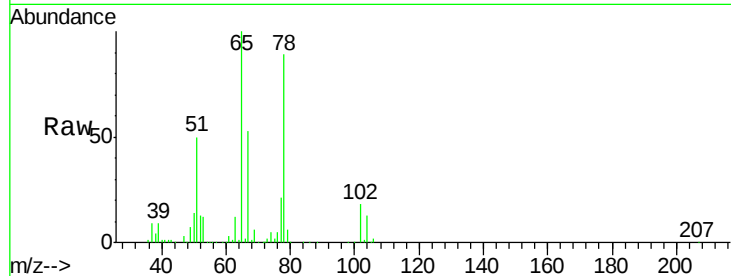
#33
 1,2-Dichloroethane-d4
 Concen: 49.624 ug/l
 RT: 7.99 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN064121.D
 Acq: 14 Oct 2020 18:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1014WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	251963		
67	52.3	0.0	105.6	

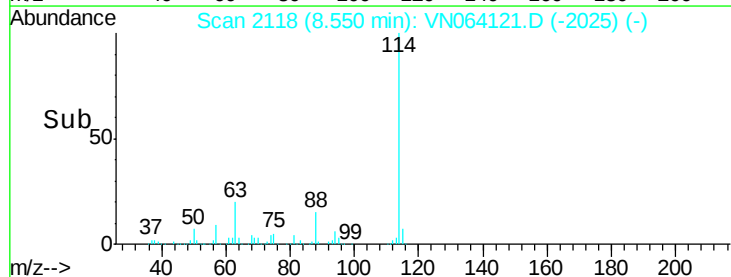
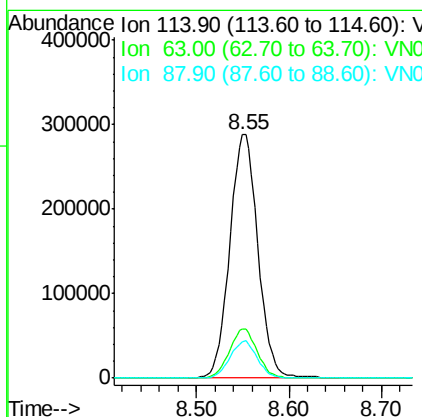
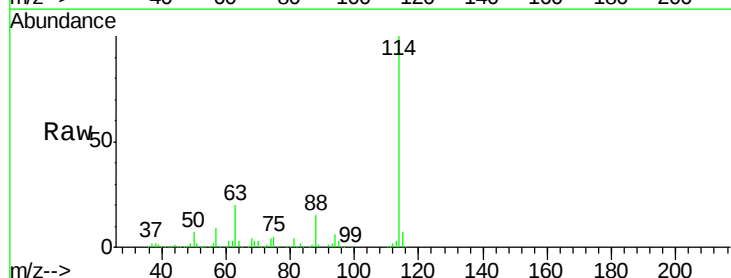
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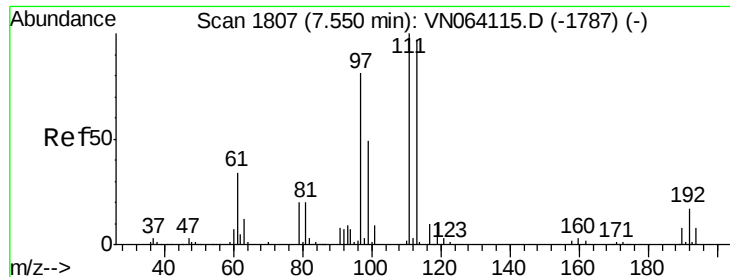
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064121.D
 Acq: 14 Oct 2020 18:56

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	605799		
63	20.3	0.0	41.0	
88	15.0	0.0	29.2	





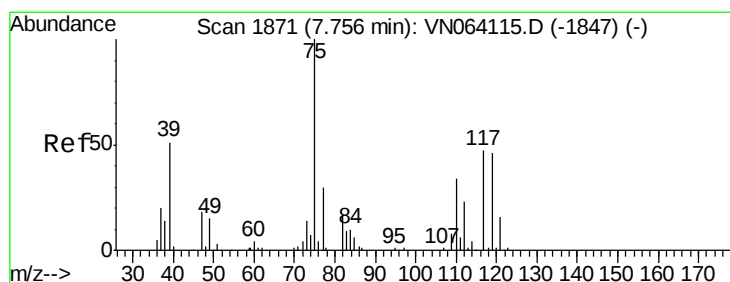
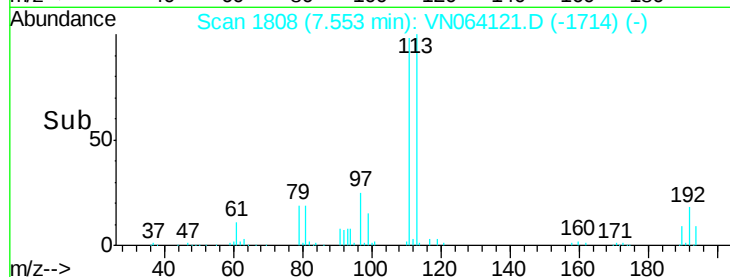
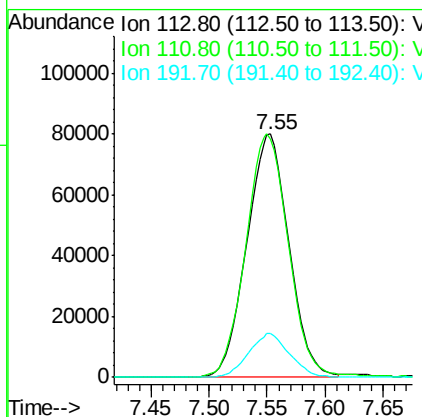
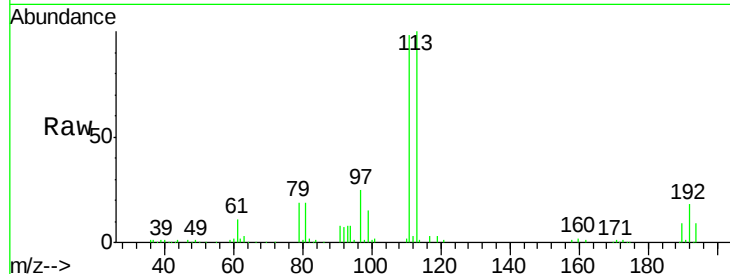
#35
Dibromofluoromethane
Concen: 48.139 ug/l
RT: 7.55 min Scan# 1808
Delta R.T. 0.00 min
Lab File: VN064121.D
Acq: 14 Oct 2020 18:56

Instrument :
MSVOA_N
ClientSampleId :
VN1014WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	201847		
111	101.2	81.9	122.9	
192	17.5	14.3	21.5	

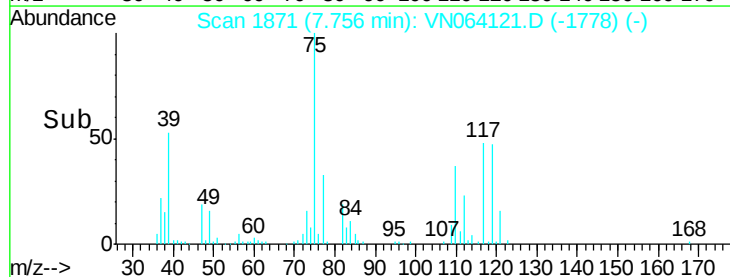
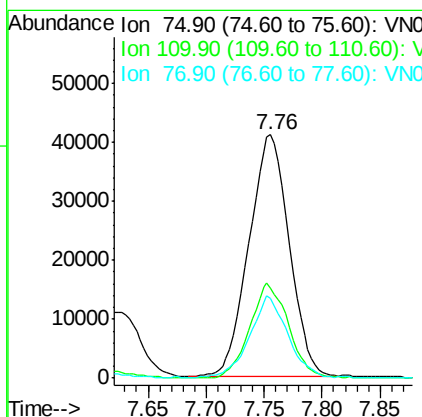
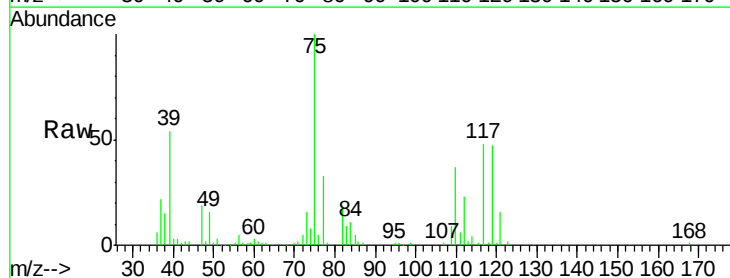
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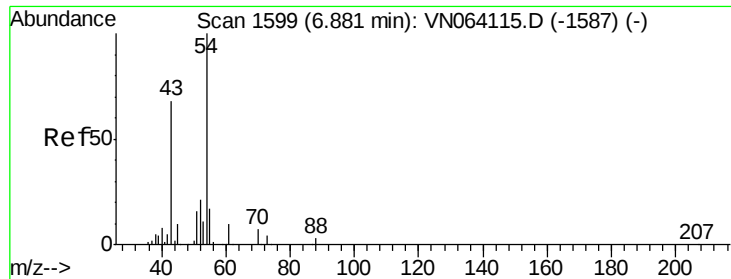
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#36
1,1-Dichloropropene
Concen: 17.054 ug/l
RT: 7.76 min Scan# 1871
Delta R.T. 0.00 min
Lab File: VN064121.D
Acq: 14 Oct 2020 18:56

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	99583		
110	37.6	17.8	53.3	
77	32.2	24.9	37.3	





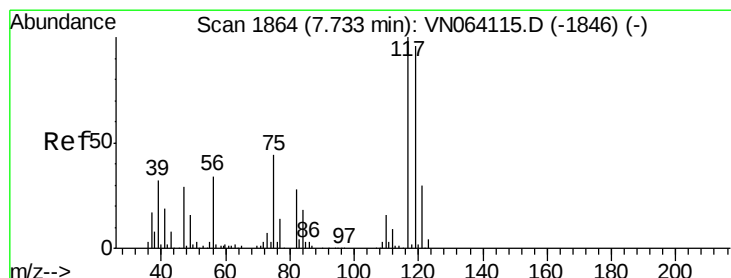
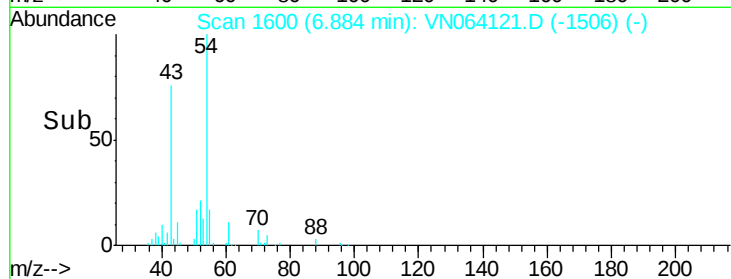
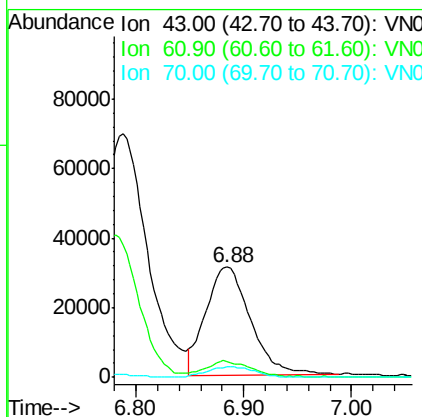
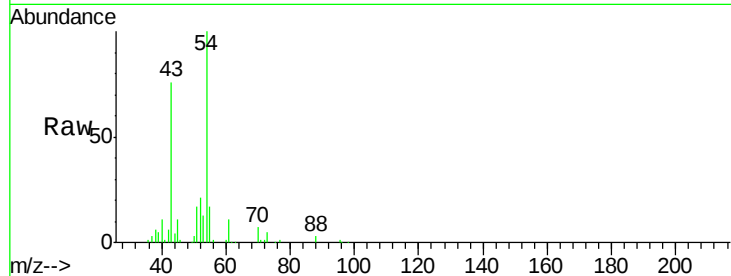
#37
Ethyl Acetate
Concen: 17.363 ug/l
RT: 6.88 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VN064121.D
Acq: 14 Oct 2020 18:56

Instrument :
MSVOA_N
ClientSampleId :
VN1014WBSD01

Tot Ion	43	61	70	Ratio	Lower	Upper
89973	100	14.7	9.3		11.3	16.9
					7.7	11.5

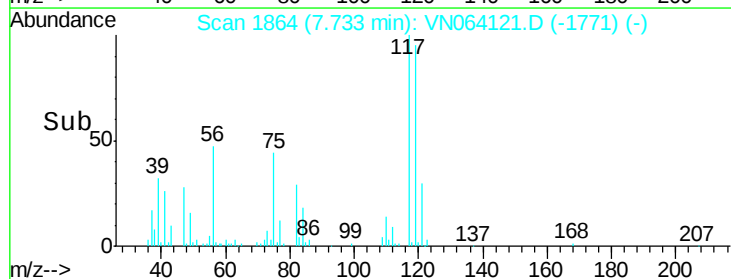
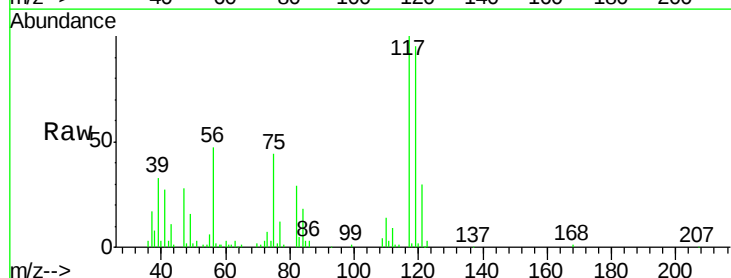
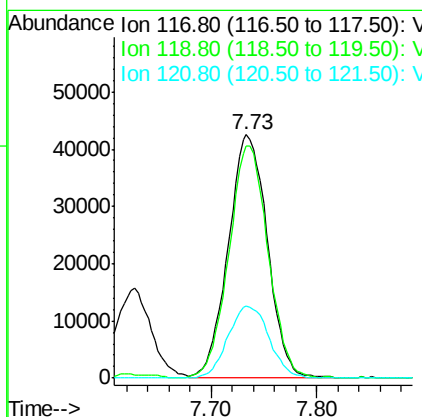
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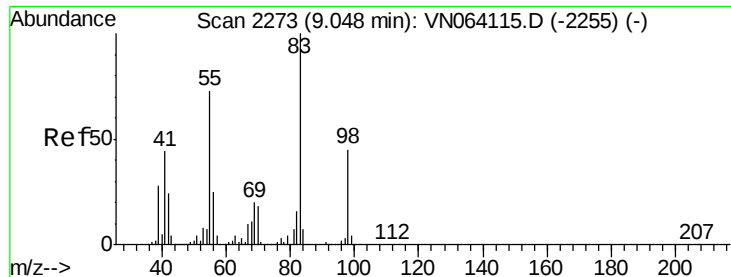
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#38
Carbon Tetrachloride
Concen: 17.450 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN064121.D
Acq: 14 Oct 2020 18:56

Tgt Ion	117	119	121	Ratio	Lower	Upper
109565	100	95.3	29.7		77.0	115.4
					24.2	36.4





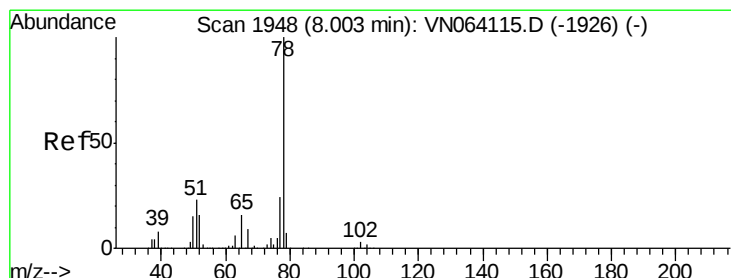
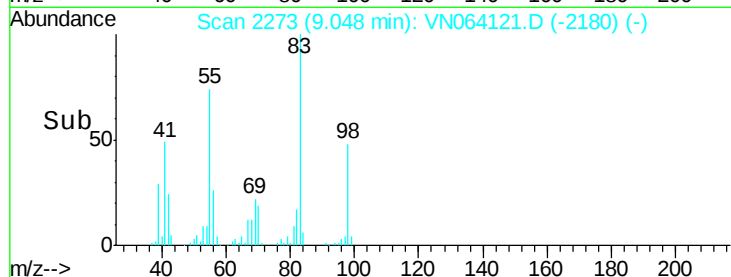
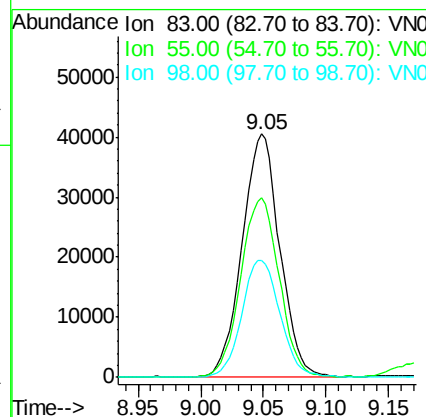
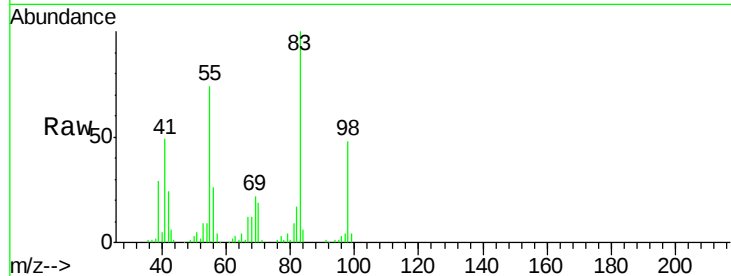
#39
Methvlcvclohexane
Concen: 17.320 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN064121.D
Acq: 14 Oct 2020 18:56

Instrument :
MSVOA_N
ClientSampleId :
VN1014WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.8	58.5	87.7
98	47.8	36.2	54.2

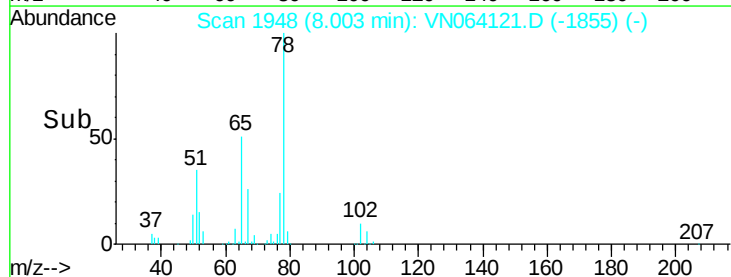
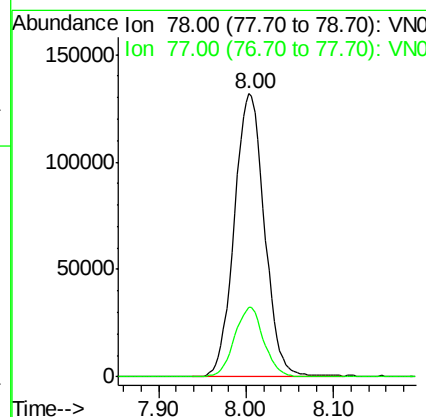
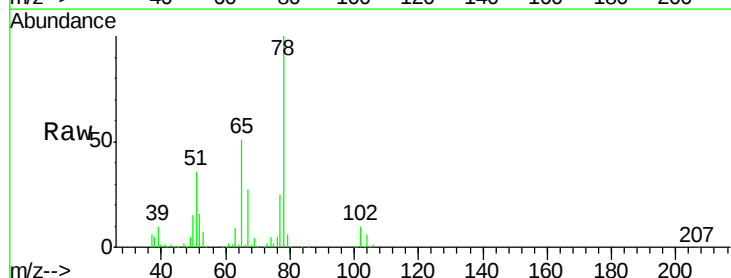
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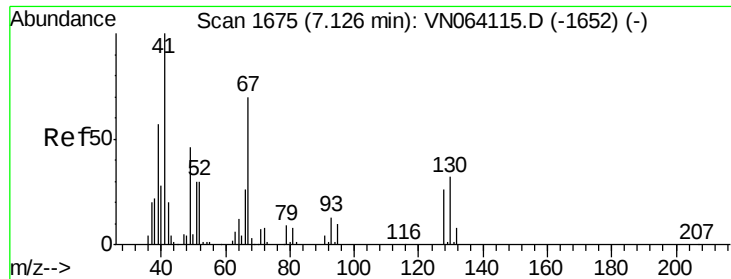
MMDadoda
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#40
Benzene
Concen: 17.859 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN064121.D
Acq: 14 Oct 2020 18:56

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.3	28.9





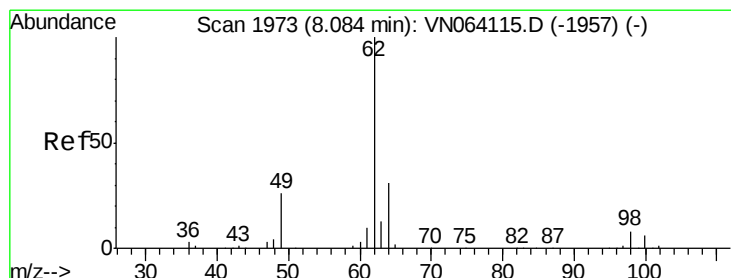
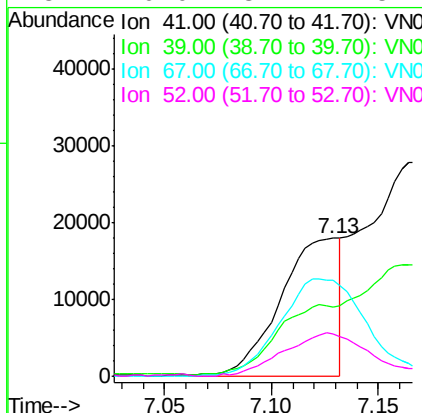
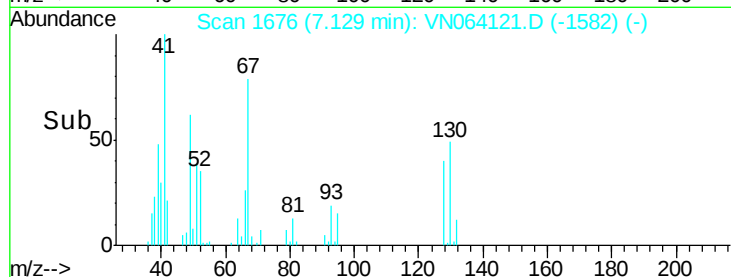
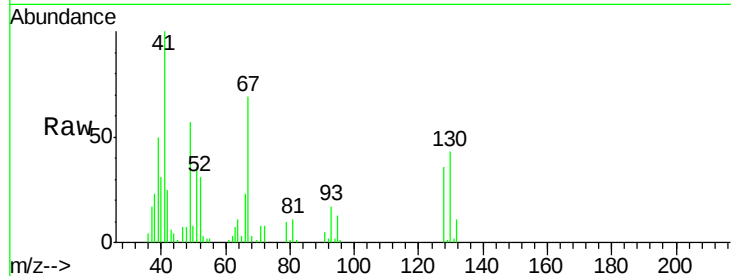
#41
Methacrylonitrile
Concen: 15.628 ug/l m
RT: 7.13 min Scan# 1676
Delta R.T. 0.00 min
Lab File: VN064121.D
Acq: 14 Oct 2020 18:56

Instrument :
MSVOA_N
ClientSampleId :
VN1014WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	50.7	76.1#
67	0.0	73.8	110.6#
52	0.0	32.2	48.4#

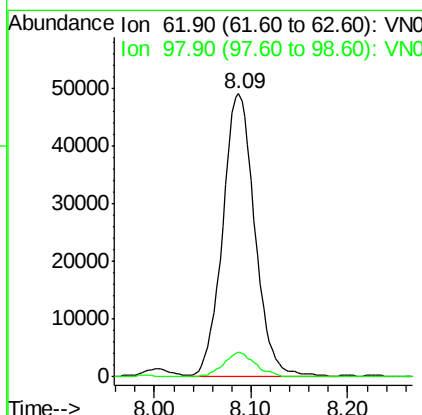
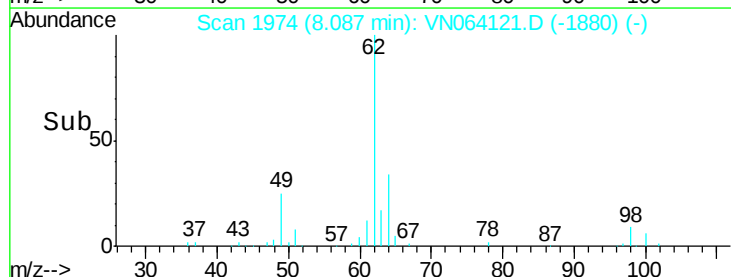
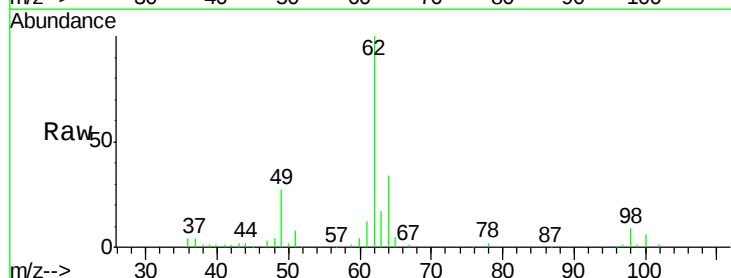
Manual Integrations
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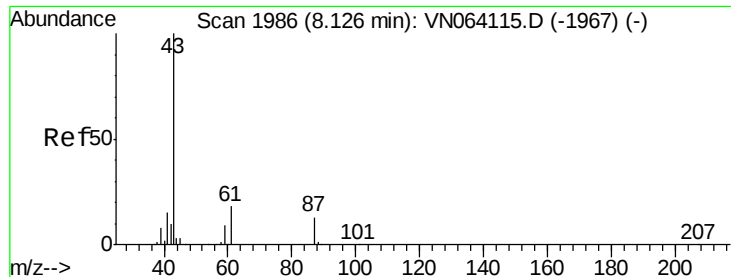
MMDadoda
10/15/2020 12:17:34 PM



#42
1,2-Dichloroethane
Concen: 17.882 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN064121.D
Acq: 14 Oct 2020 18:56

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.6





#43

Isopropyl Acetate

Concen: 17.209 ug/l

RT: 8.13 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN064121.D

Acq: 14 Oct 2020 18:56

Instrument :

MSVOA_N

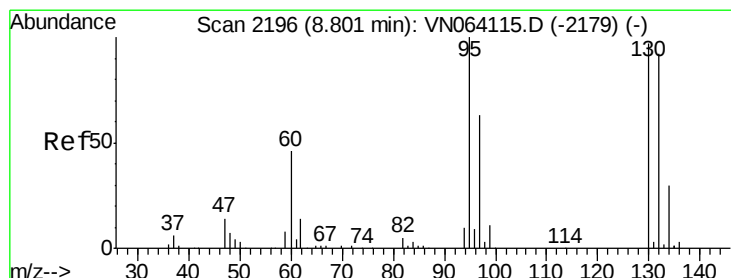
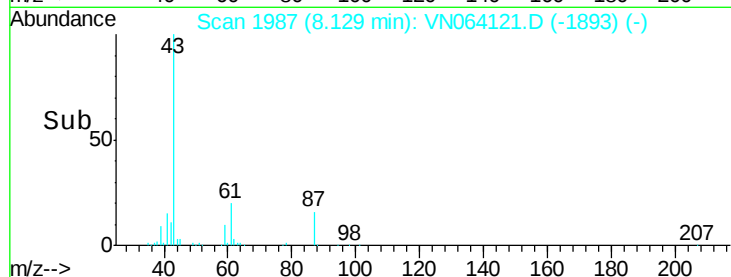
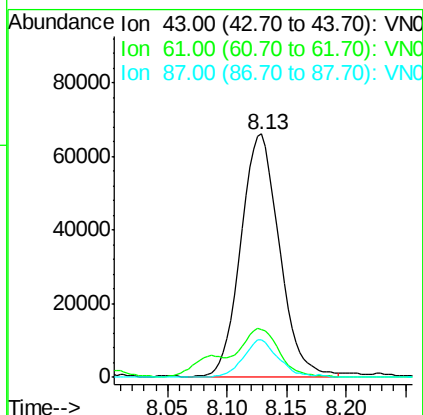
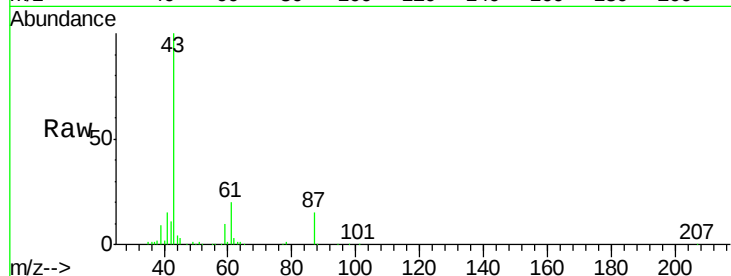
ClientSampleId :

VN1014WBSD01

Tot Ion:	43	Resp:	147987
Ion	Ratio	Lower	Upper
43	100		
61	19.6	21.9	32.9#
87	14.2	11.0	16.4

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#44

Trichloroethene

Concen: 17.732 ug/l

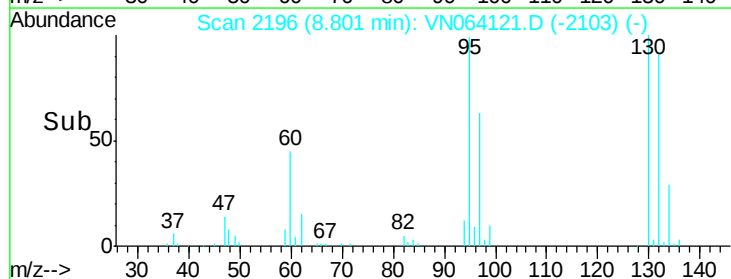
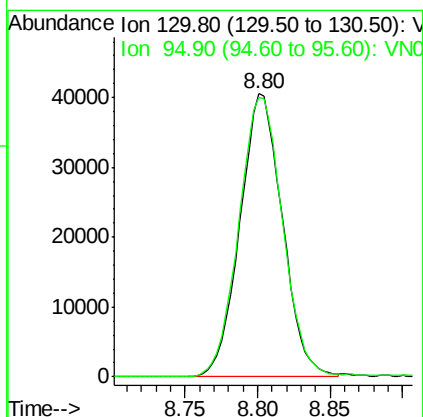
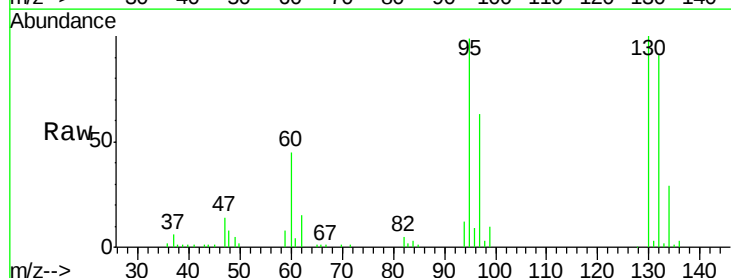
RT: 8.80 min Scan# 2196

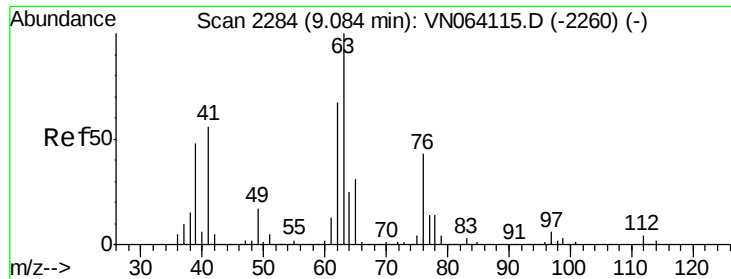
Delta R.T. 0.00 min

Lab File: VN064121.D

Acq: 14 Oct 2020 18:56

Tgt Ion:	130	Resp:	82448
Ion	Ratio	Lower	Upper
130	100		
95	98.8	0.0	206.2





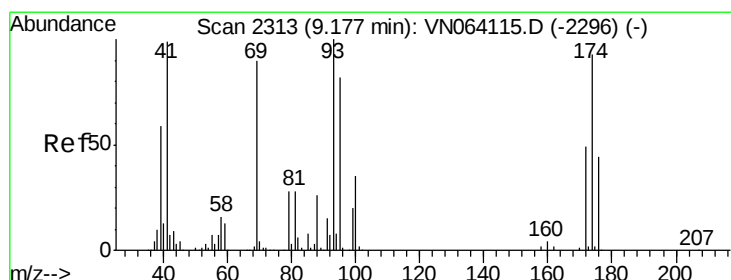
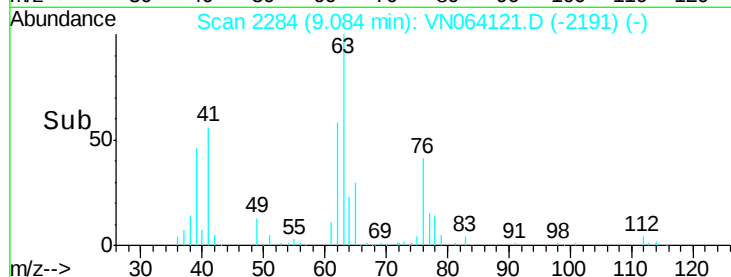
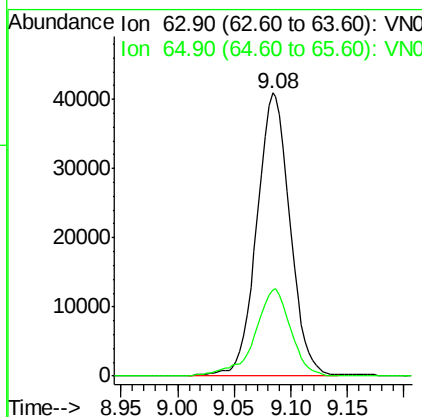
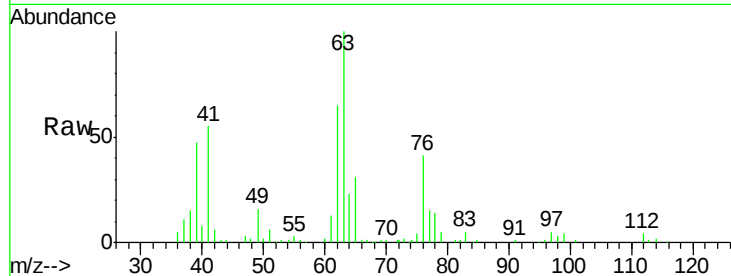
#45
 1,2-Dichloropropane
 Concen: 18.026 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN064121.D
 Acq: 14 Oct 2020 18:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1014WBSD01

Tot Ion: 63 Resp: 83510
 Ion Ratio Lower Upper
 63 100
 65 30.5 25.0 37.6

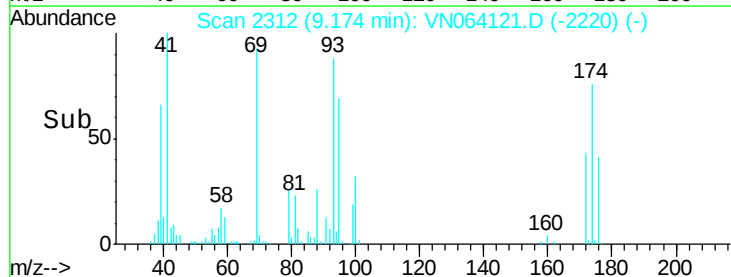
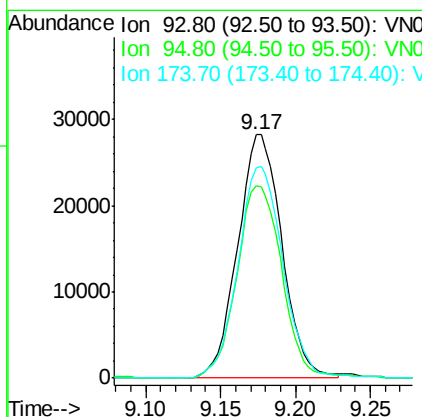
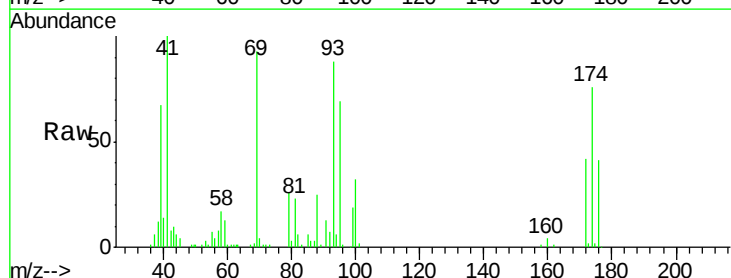
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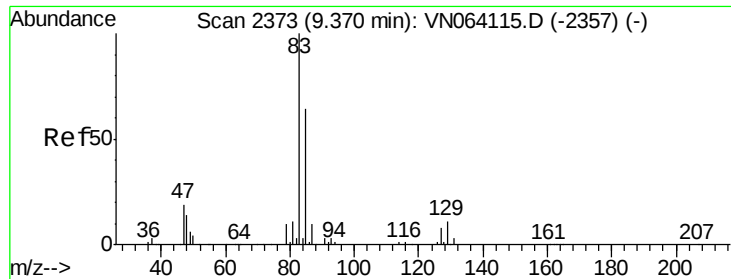
MMDadoda
 10/15/2020 12:17:34 PM



#46
 Dibromomethane
 Concen: 17.675 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN064121.D
 Acq: 14 Oct 2020 18:56

Tgt Ion: 93 Resp: 58095
 Ion Ratio Lower Upper
 93 100
 95 80.7 66.8 100.2
 174 88.6 75.2 112.8





#47

Bromodichloromethane

Concen: 17.681 ug/l

RT: 9.37 min Scan# 2374

Delta R.T. 0.00 min

Lab File: VN064121.D

Acq: 14 Oct 2020 18:56

Instrument :

MSVOA_N

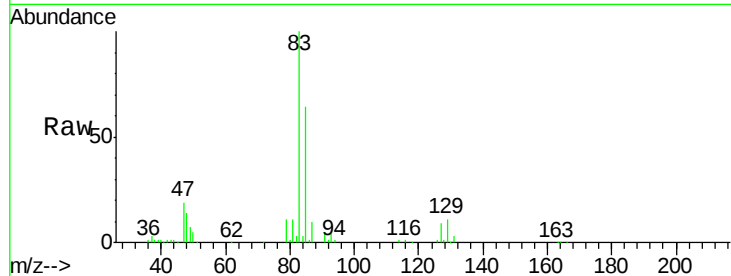
ClientSampleId :

VN1014WBSD01

Tot Ion:	83	Resp:	113701
Ion Ratio	Lower	Upper	
83	100		
85	63.9	50.8	76.2
127	9.0	6.6	9.8

Manual Integrations
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MMDadoda
10/15/2020 12:17:34 PM

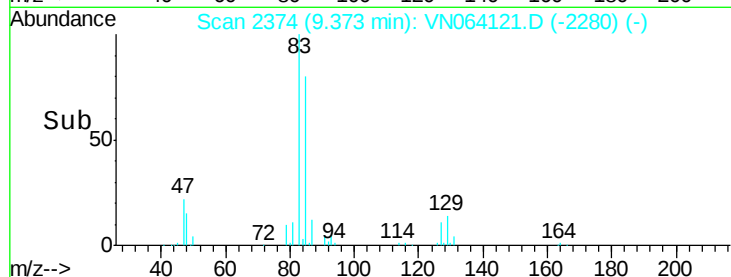


Abundance Ion 82.90 (82.60 to 83.60): VN064121.D (-2280) (-)

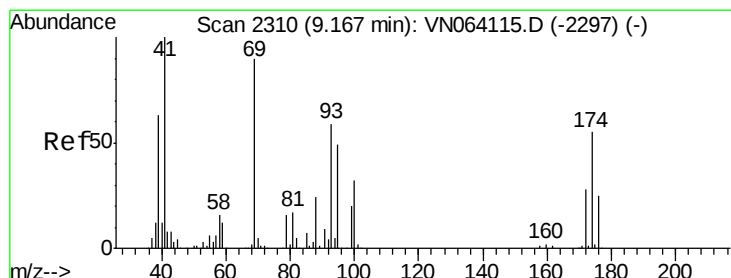
Ion 84.90 (84.60 to 85.60): VN064121.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN064121.D (-2280) (-)

Time-->



Time-->



#48

Methyl methacrylate

Concen: 17.213 ug/l

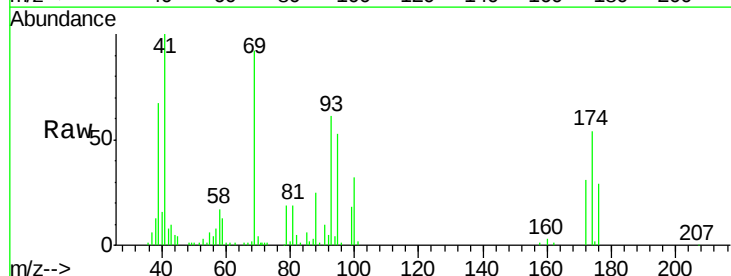
RT: 9.17 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN064121.D

Acq: 14 Oct 2020 18:56

Tgt Ion:	41	Resp:	68372
Ion Ratio	Lower	Upper	
41	100		
69	94.0	71.4	107.2
39	65.9	52.5	78.7

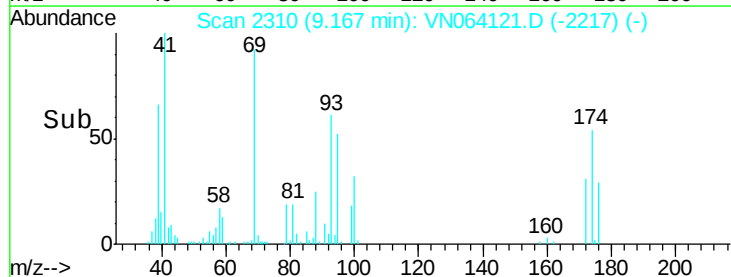


Abundance Ion 41.00 (40.70 to 41.70): VN064121.D (-2217) (-)

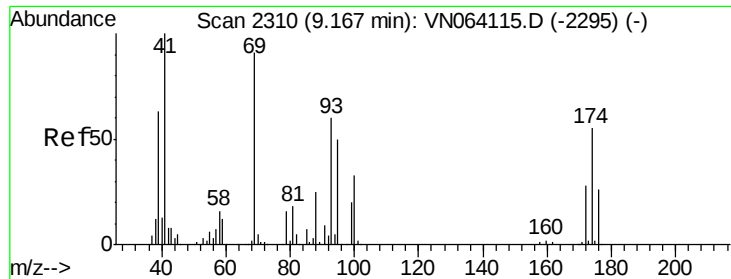
Ion 69.00 (68.70 to 69.70): VN064121.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN064121.D (-2217) (-)

Time-->



Time-->



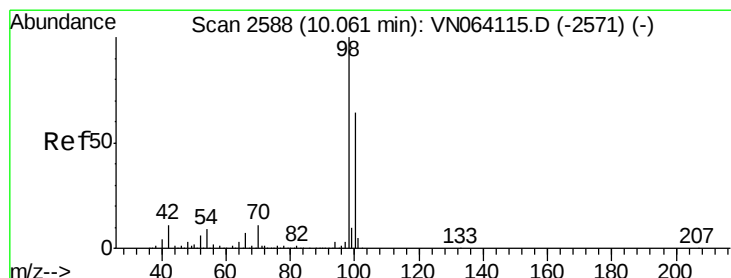
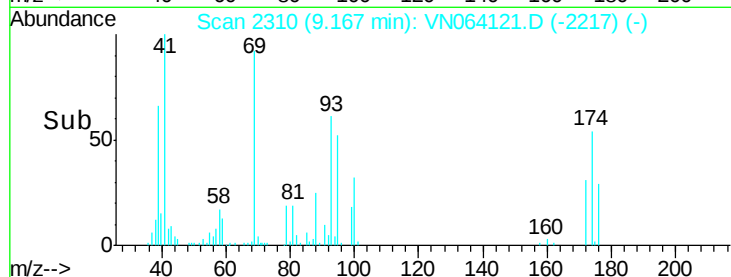
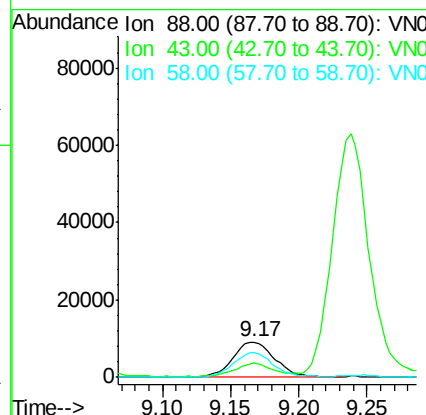
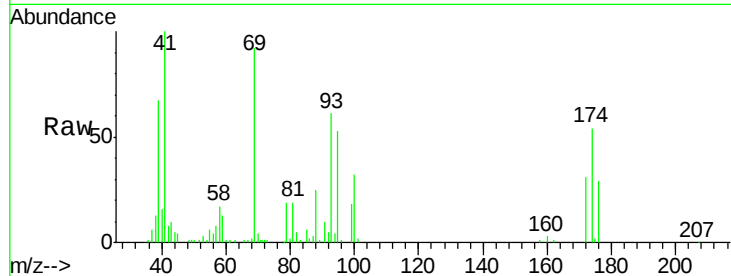
#49
1,4-Dioxane
Concen: 325.652 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN064121.D
Acq: 14 Oct 2020 18:56

Instrument :
MSVOA_N
ClientSampleId :
VN1014WBSD01

Tot Ion	88	Resp	19642
Ion Ratio	Lower	Upper	
88	100		
43	36.1	27.2	40.8
58	66.8	52.6	78.8

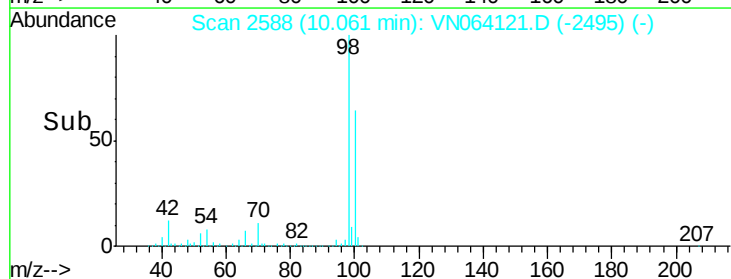
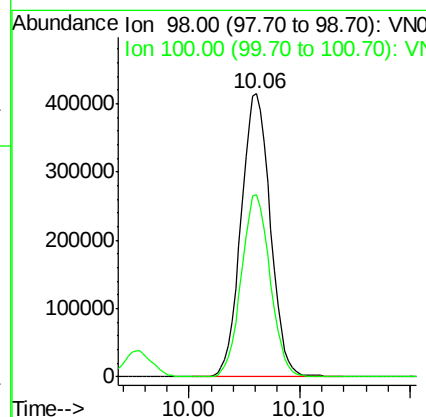
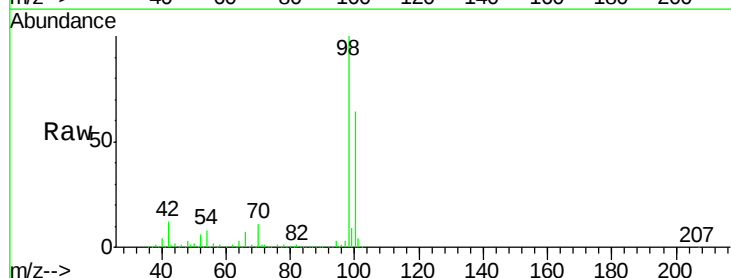
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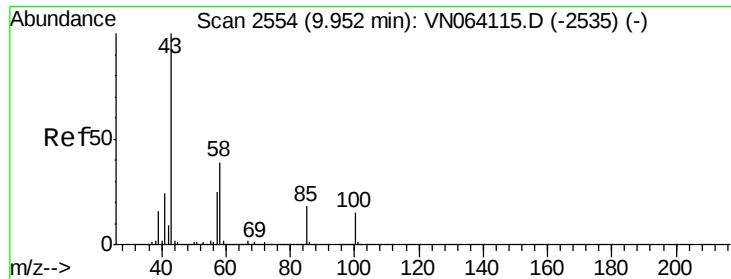
MMDadoda
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#50
Toluene-d8
Concen: 48.164 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN064121.D
Acq: 14 Oct 2020 18:56

Tgt Ion	98	Resp	762006
Ion Ratio	Lower	Upper	
98	100		
100	63.4	50.8	76.2





#51

4-Methyl-2-Pentanone

Concen: 89.507 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN064121.D

Acq: 14 Oct 2020 18:56

Instrument :

MSVOA_N

ClientSampleId :

VN1014WBSD01

Tot Ion: 43 Resp: 455449

Ion Ratio Lower Upper

43 100

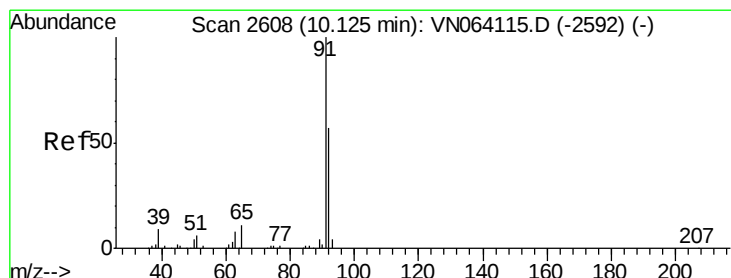
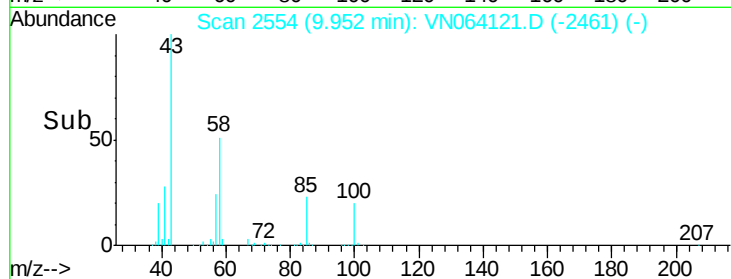
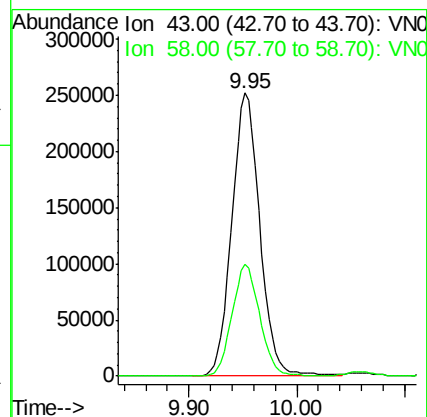
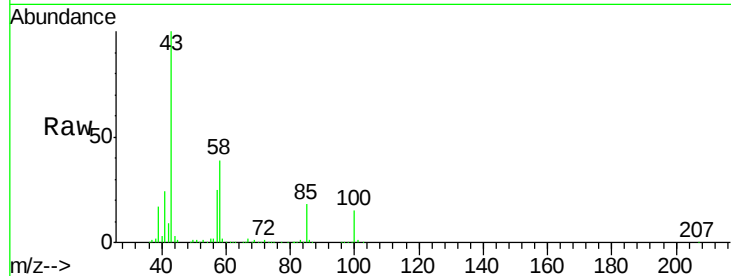
58 39.2 31.2 46.8

Manual Integrations

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#52

Toluene

Concen: 18.159 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN064121.D

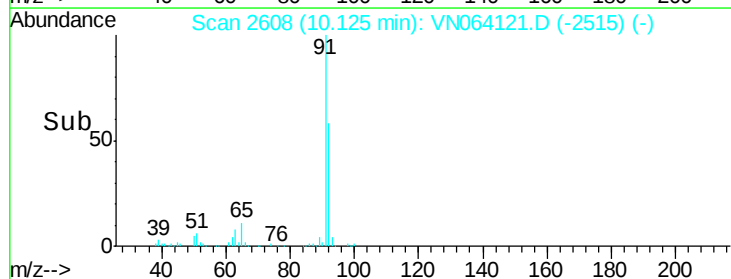
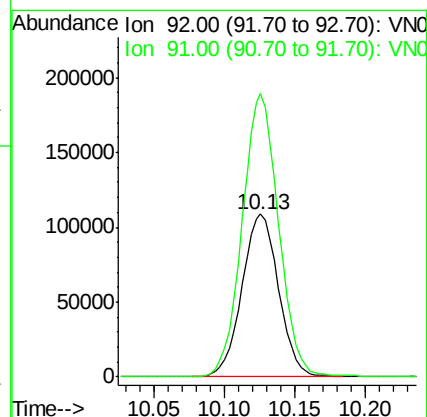
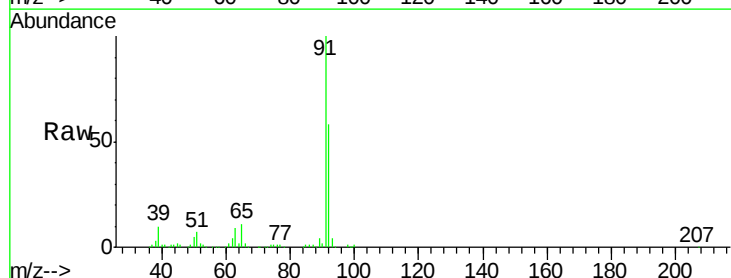
Acq: 14 Oct 2020 18:56

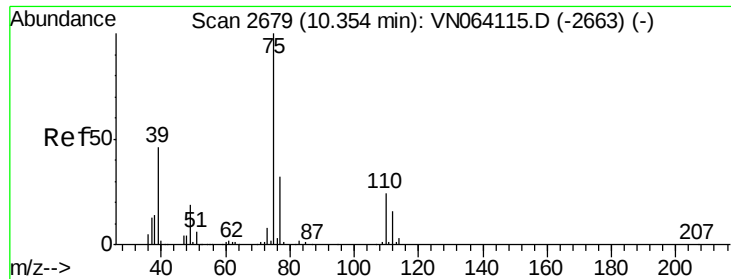
Tgt Ion: 92 Resp: 197297

Ion Ratio Lower Upper

92 100

91 173.7 141.2 211.8





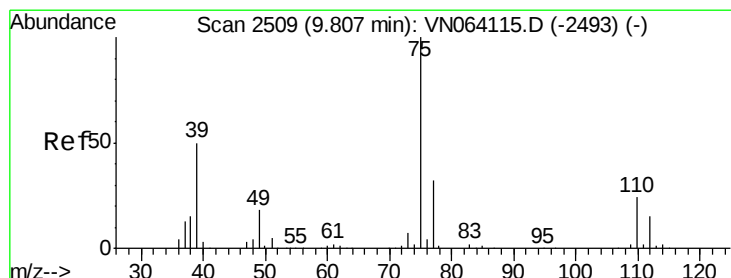
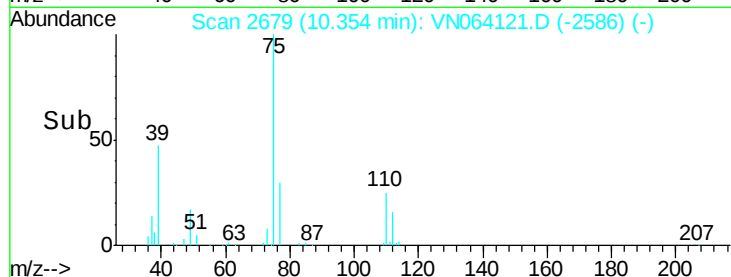
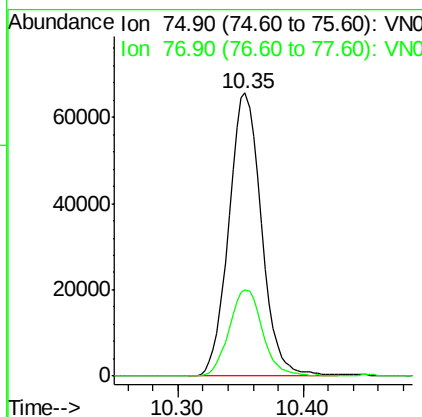
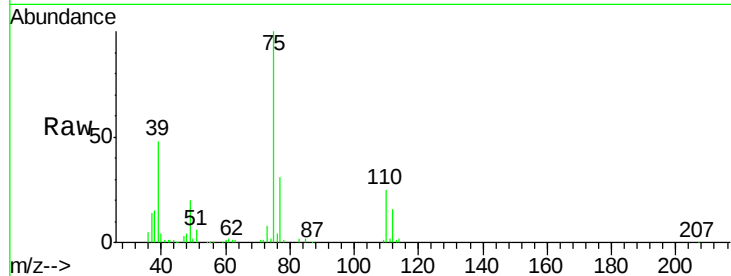
#53
t-1,3-Dichloropropene
Concen: 17.993 ug/l
RT: 10.35 min Scan# 2679
Delta R.T. 0.00 min
Lab File: VN064121.D
Acq: 14 Oct 2020 18:56

Instrument :
MSVOA_N
ClientSampleId :
VN1014WBSD01

Tot Ion: 75 Resp: 118718
Ion Ratio Lower Upper
75 100
77 30.7 25.6 38.4

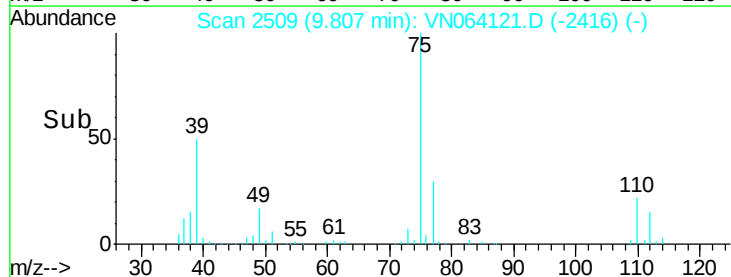
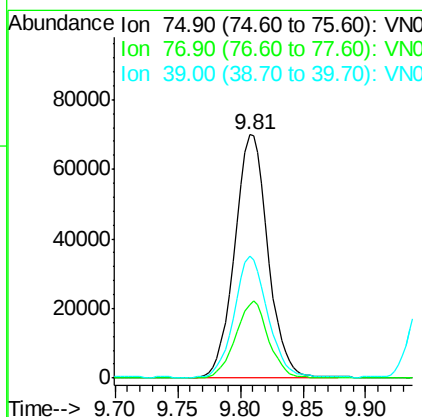
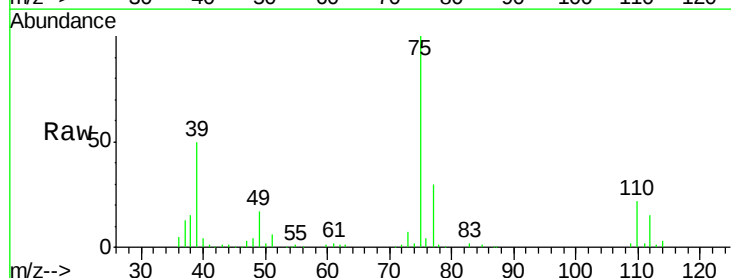
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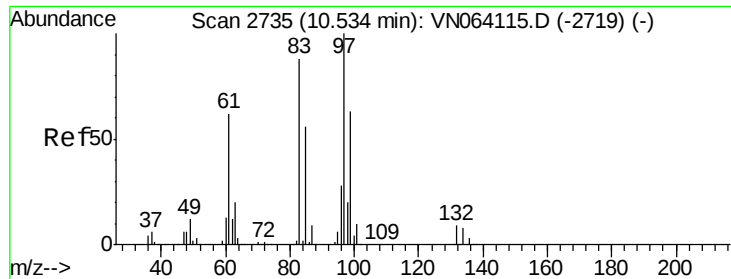
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#54
cis-1,3-Dichloropropene
Concen: 17.871 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN064121.D
Acq: 14 Oct 2020 18:56

Tgt Ion: 75 Resp: 129567
Ion Ratio Lower Upper
75 100
77 30.2 25.2 37.8
39 49.9 39.8 59.8





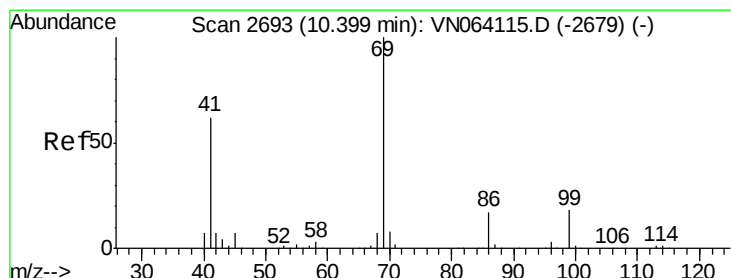
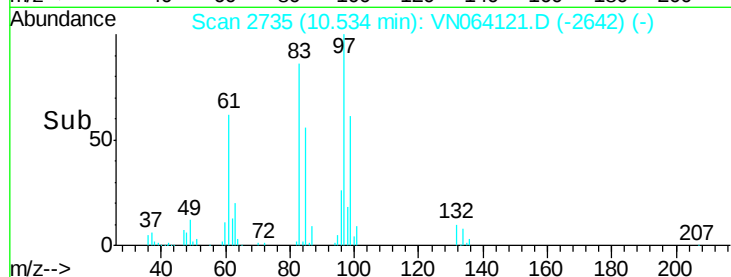
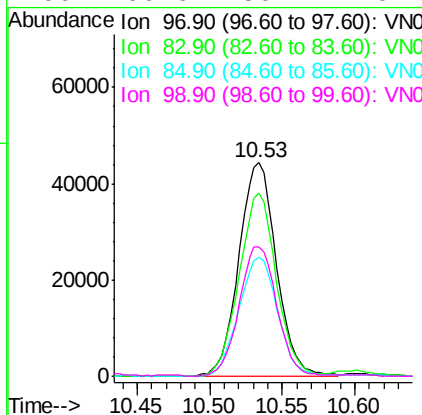
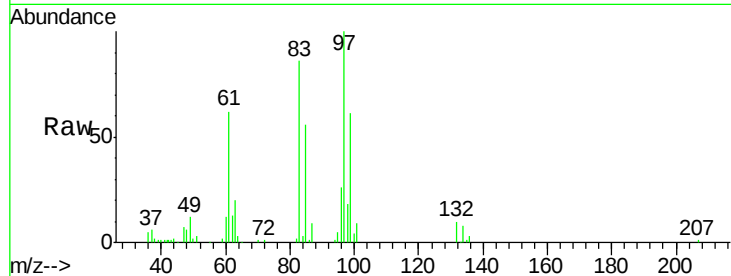
#55
1,1,2-Trichloroethane
Concen: 17.730 ug/l
RT: 10.53 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN064121.D
Acq: 14 Oct 2020 18:56

Instrument :
MSVOA_N
ClientSampleId :
VN1014WBSD01

Tot Ion	Ratio	Lower	Upper
97	100		
83	85.8	70.2	105.4
85	55.9	45.0	67.6
99	60.6	50.7	76.1

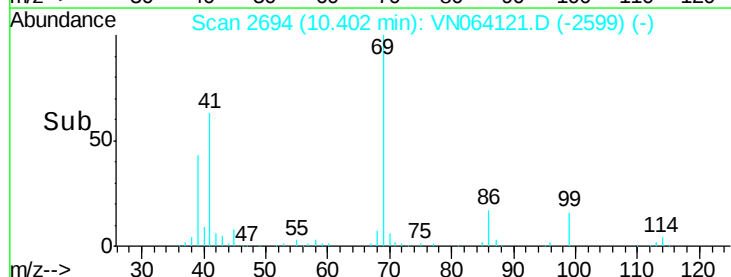
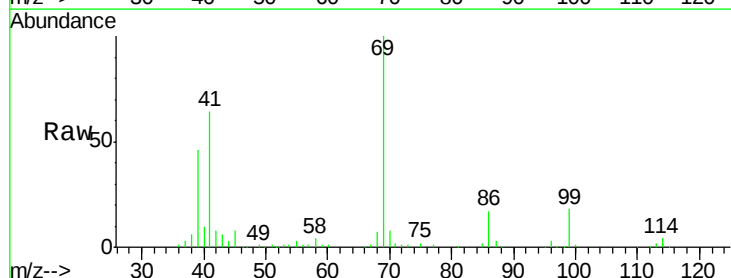
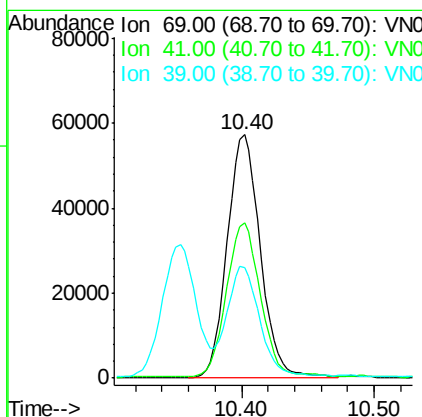
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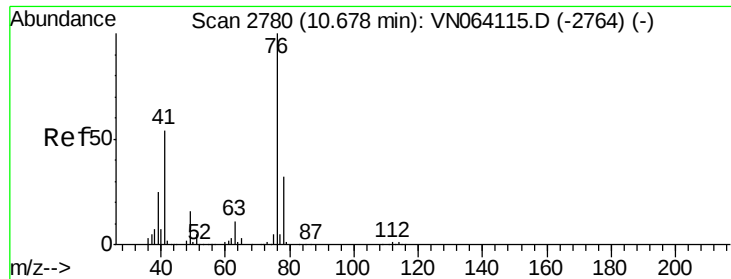
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#56
Ethyl methacrylate
Concen: 16.915 ug/l
RT: 10.40 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VN064121.D
Acq: 14 Oct 2020 18:56

Tgt Ion	Ratio	Lower	Upper
69	100		
41	63.3	49.3	73.9
39	42.6	32.7	49.1





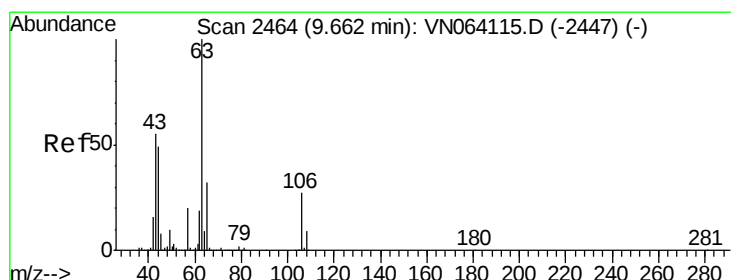
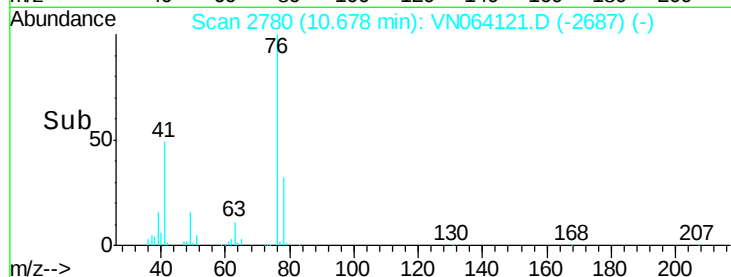
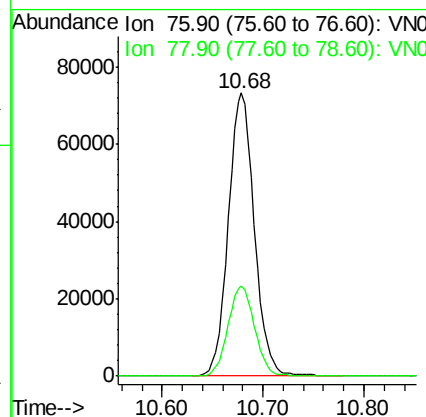
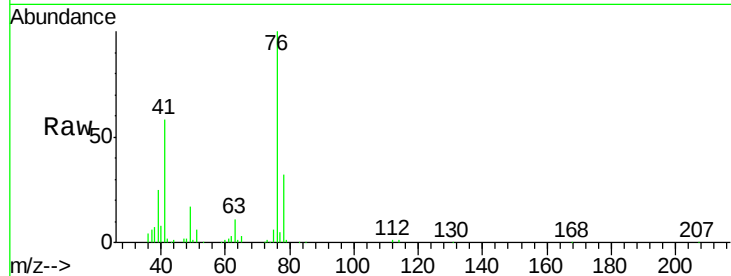
#57
 1,3-Dichloropropane
 Concen: 17.793 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. 0.00 min
 Lab File: VN064121.D
 Acq: 14 Oct 2020 18:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1014WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	26.1	39.1

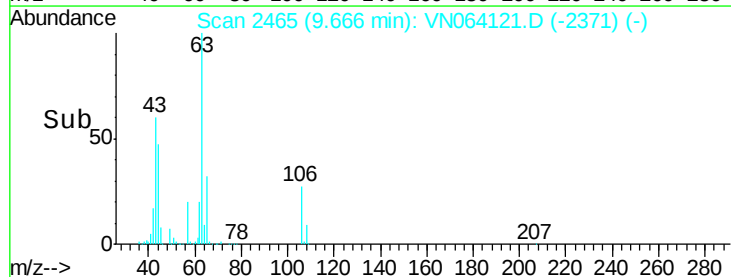
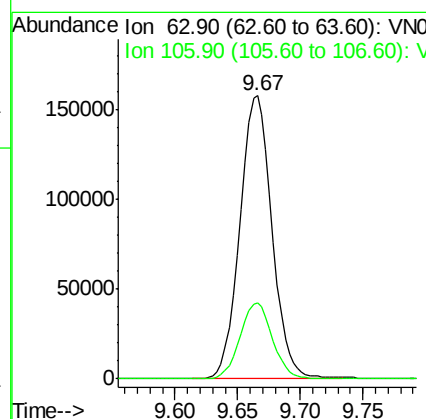
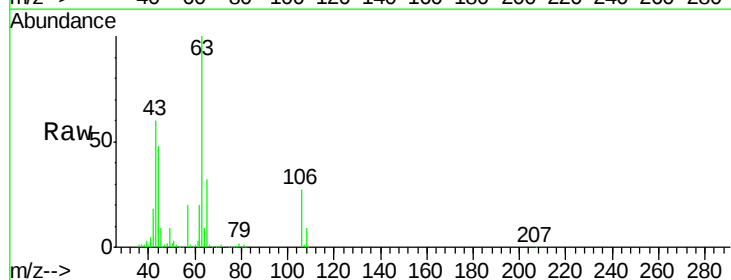
Manual Integrations
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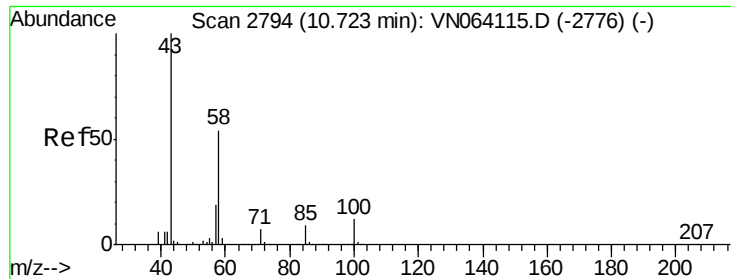
MMDadoda
 10/15/2020 12:17:34 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 92.807 ug/l
 RT: 9.67 min Scan# 2465
 Delta R.T. 0.00 min
 Lab File: VN064121.D
 Acq: 14 Oct 2020 18:56

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.2	21.8	32.6





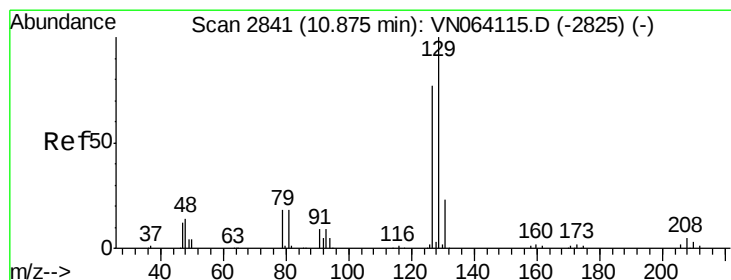
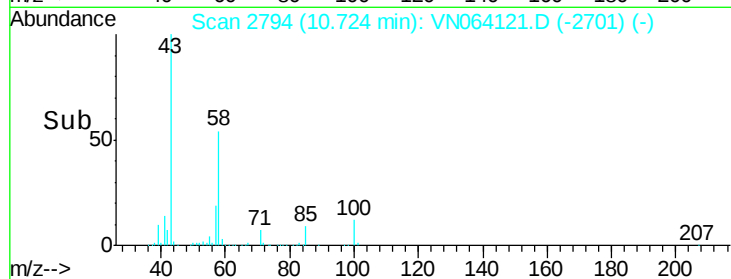
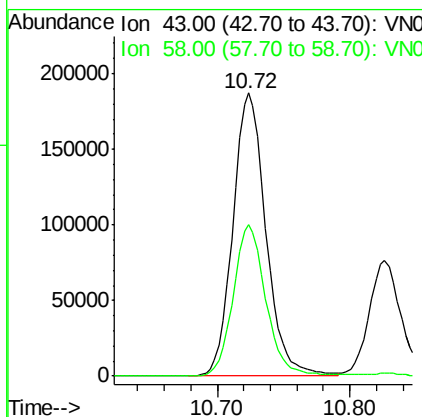
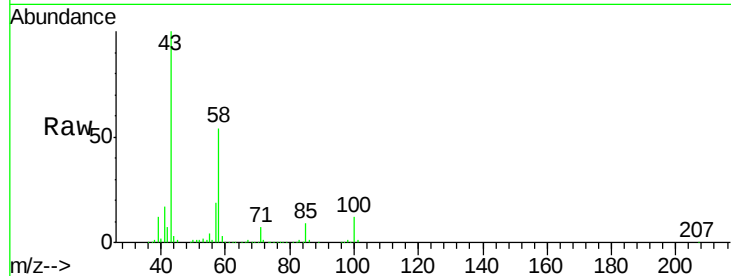
#59
2-Hexanone
Concen: 86.305 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064121.D
Acq: 14 Oct 2020 18:56

Instrument :
MSVOA_N
ClientSampleId :
VN1014WBSD01

Tot Ion: 43 Resp: 321345
Ion Ratio Lower Upper
43 100
58 53.3 27.2 81.6

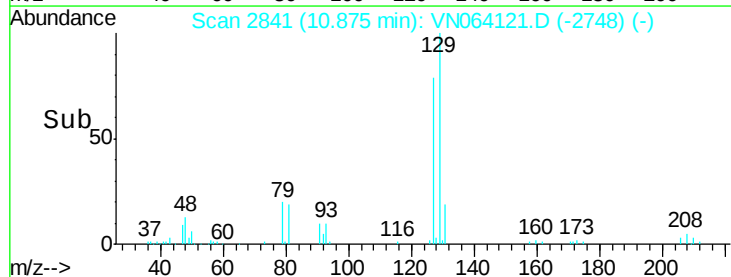
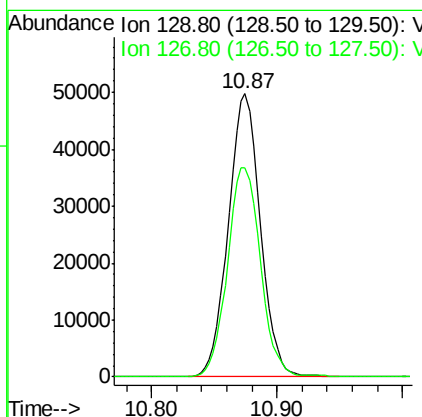
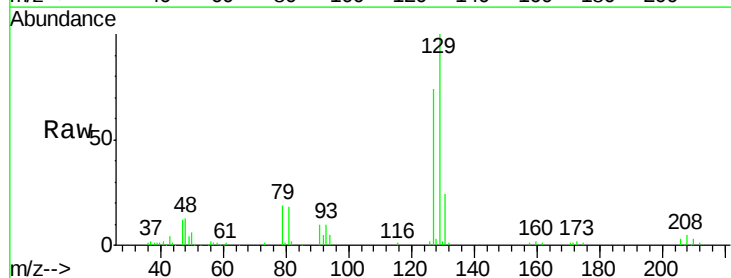
Manual Integrations
APPROVED

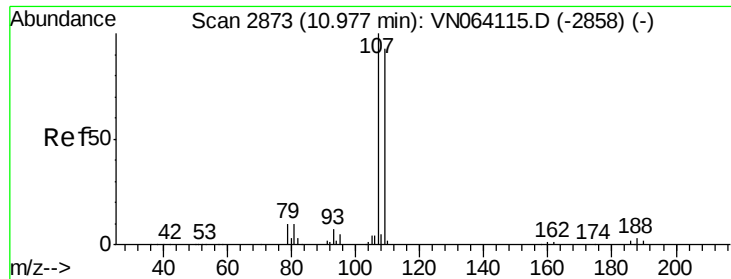
MMDadoda
10/15/2020 12:17:34 PM



#60
Dibromochloromethane
Concen: 17.468 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN064121.D
Acq: 14 Oct 2020 18:56

Tgt Ion: 129 Resp: 88322
Ion Ratio Lower Upper
129 100
127 76.4 38.2 114.6





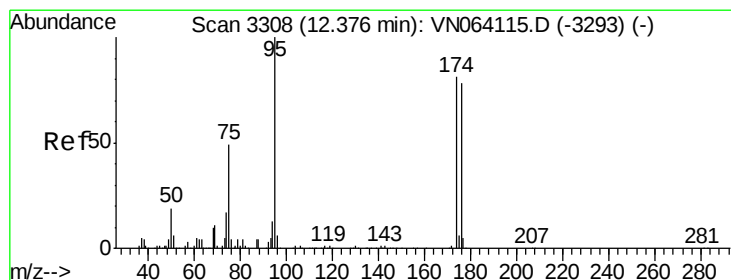
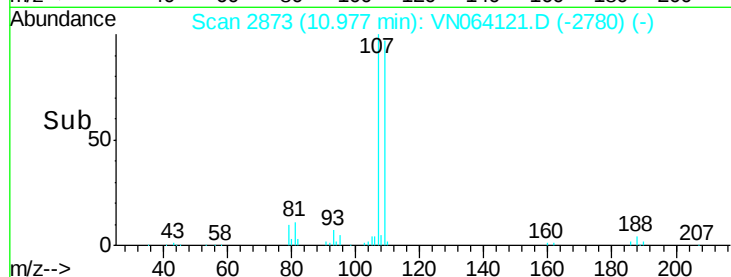
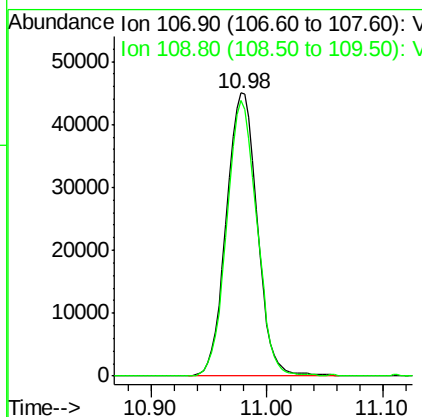
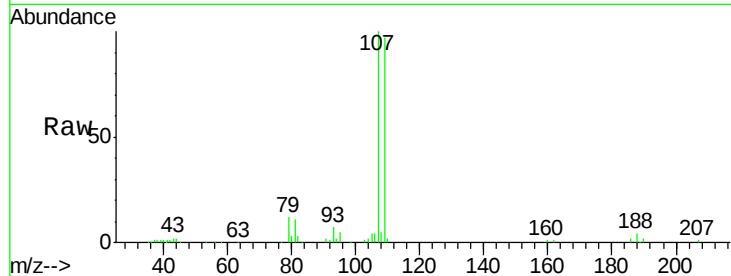
#61
 1,2-Dibromoethane
 Concen: 18.100 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN064121.D
 Acq: 14 Oct 2020 18:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1014WBSD01

Tot Ion: 107 Resp: 82924
 Ion Ratio Lower Upper
 107 100
 109 94.5 75.2 112.8

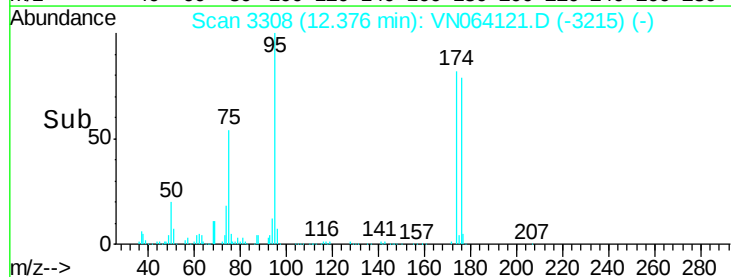
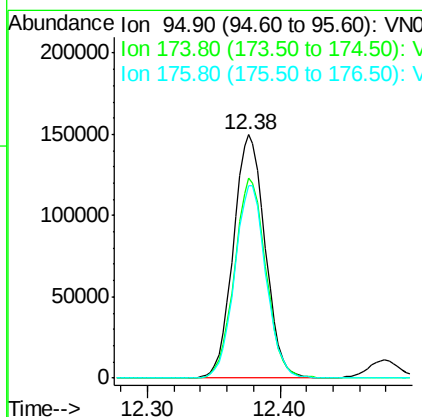
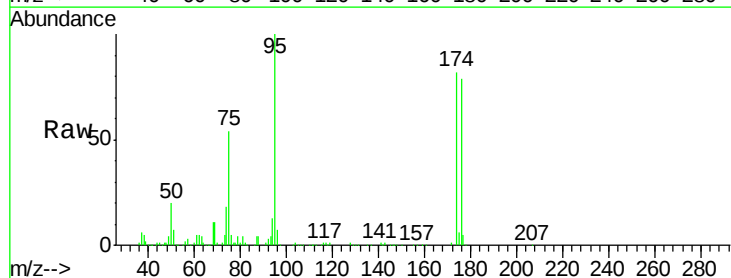
Manual Integrations
 APPROVED

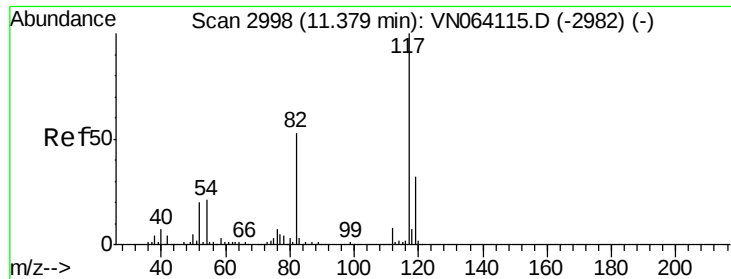
MMDadoda
 10/15/2020 12:17:34 PM



#62
 4-Bromofluorobenzene
 Concen: 45.817 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN064121.D
 Acq: 14 Oct 2020 18:56

Tgt Ion: 95 Resp: 249153
 Ion Ratio Lower Upper
 95 100
 174 81.2 0.0 164.8
 176 77.9 0.0 157.8





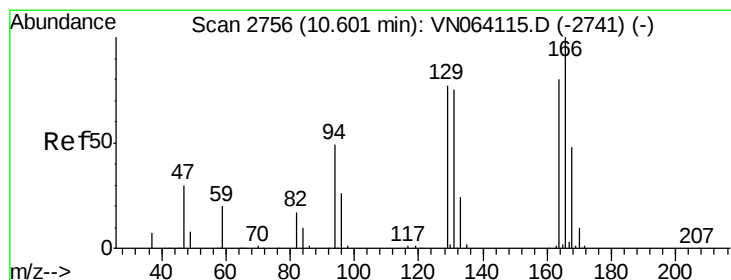
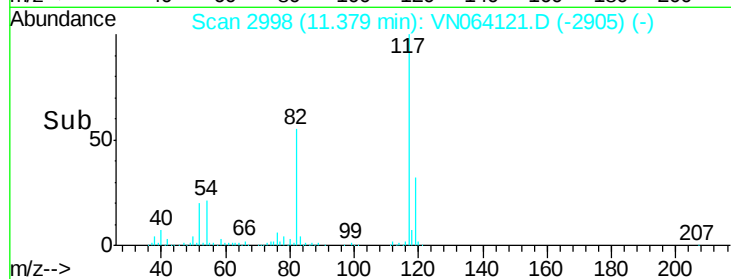
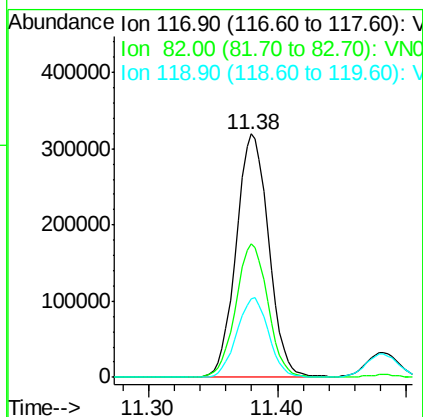
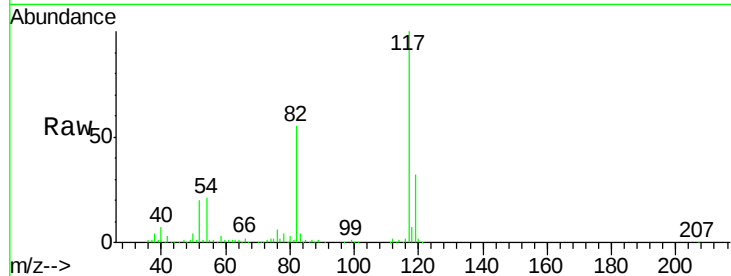
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064121.D
Acq: 14 Oct 2020 18:56

Instrument :
MSVOA_N
ClientSampleId :
VN1014WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.8	42.6	63.8
119	32.4	25.5	38.3

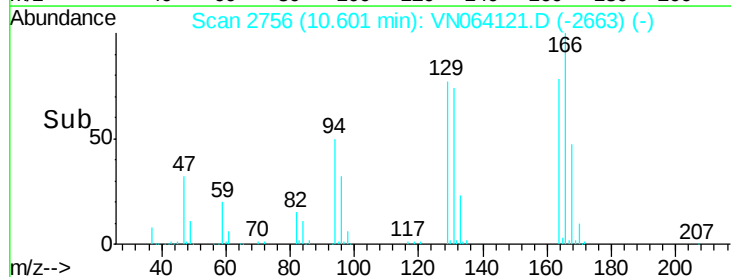
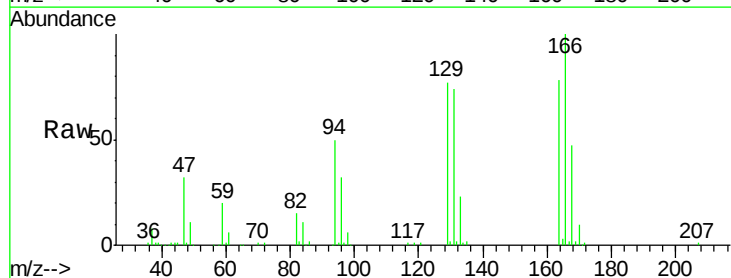
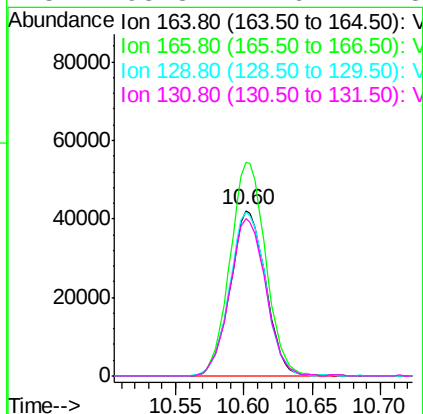
Manual Integrations
APPROVED

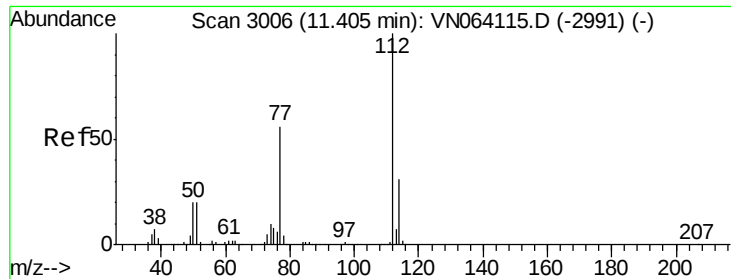
MMDadoda
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#64
Tetrachloroethene
Concen: 17.963 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064121.D
Acq: 14 Oct 2020 18:56

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.9	99.7	149.5
129	99.1	77.0	115.4
131	95.3	74.6	111.8





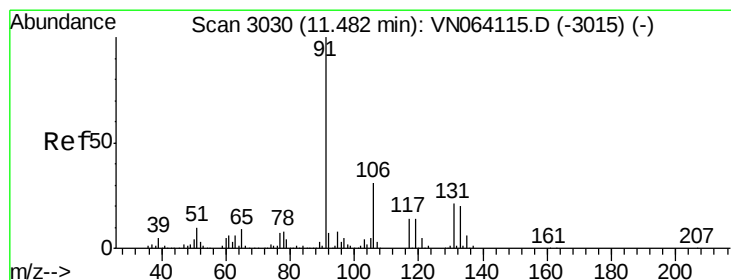
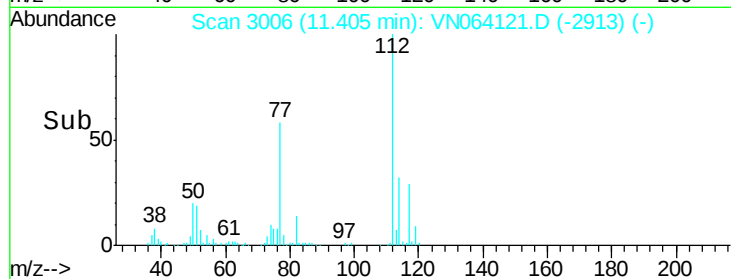
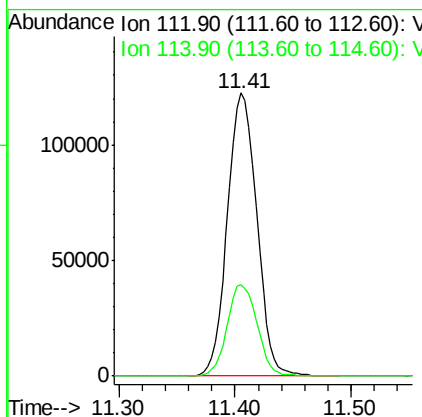
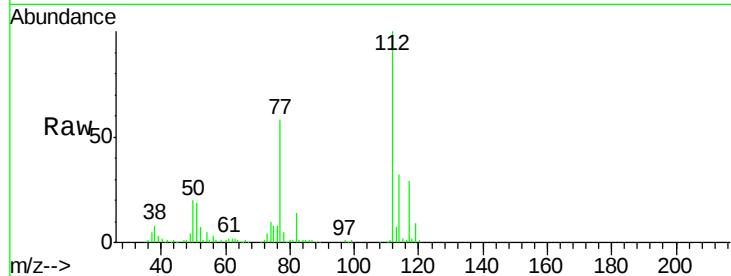
#65
Chlorobenzene
Concen: 18.270 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN064121.D
Acq: 14 Oct 2020 18:56

Instrument :
MSVOA_N
ClientSampleId :
VN1014WBSD01

Tot Ion:112 Resp: 215742
Ion Ratio Lower Upper
112 100
114 32.4 24.6 37.0

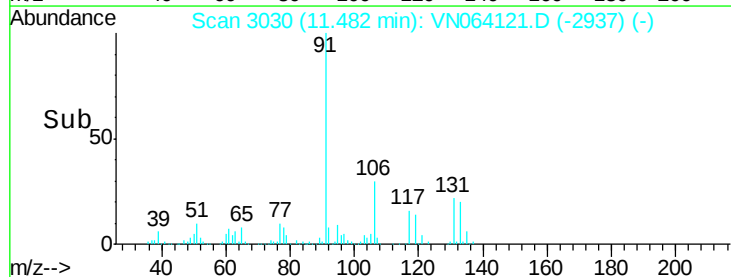
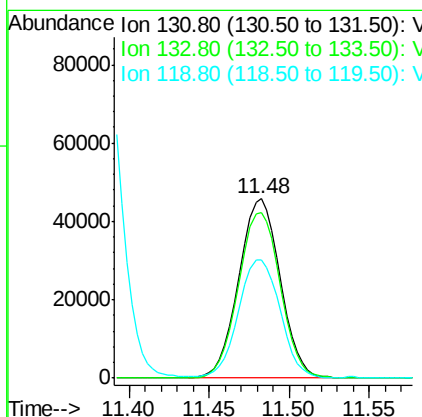
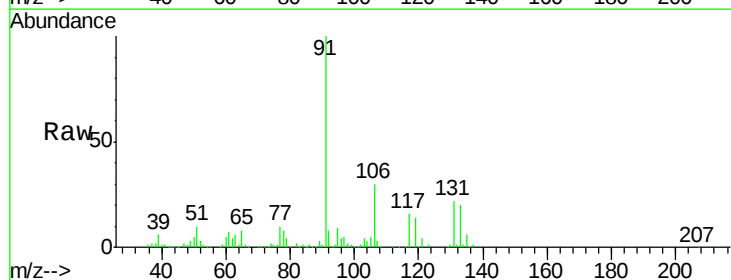
Manual Integrations
APPROVED

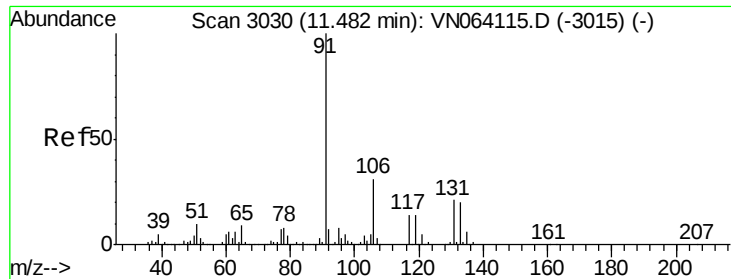
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.012 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064121.D
Acq: 14 Oct 2020 18:56

Tgt Ion:131 Resp: 80754
Ion Ratio Lower Upper
131 100
133 93.9 47.3 141.9
119 66.1 32.8 98.4





#67

Ethyl Benzene

Concen: 18.166 ug/l

RT: 11.49 min Scan# 3031

Delta R.T. 0.00 min

Lab File: VN064121.D

Acq: 14 Oct 2020 18:56

Instrument :

MSVOA_N

ClientSampleId :

VN1014WBSD01

Tot Ion: 91 Resp: 359347

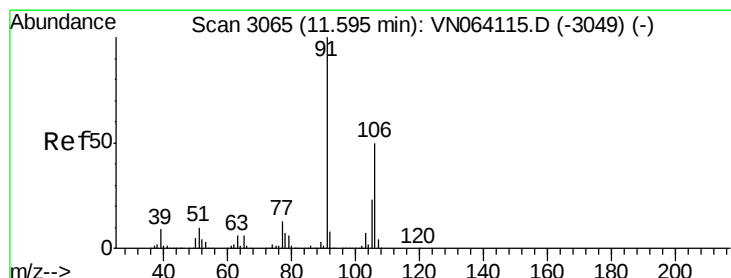
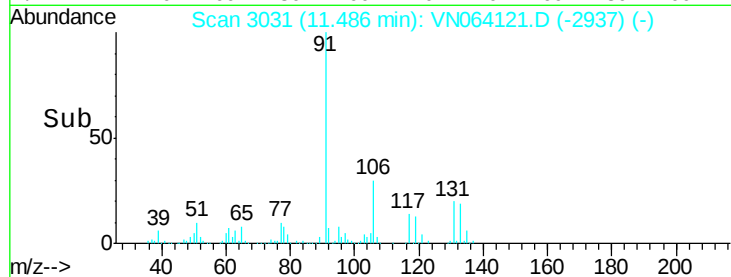
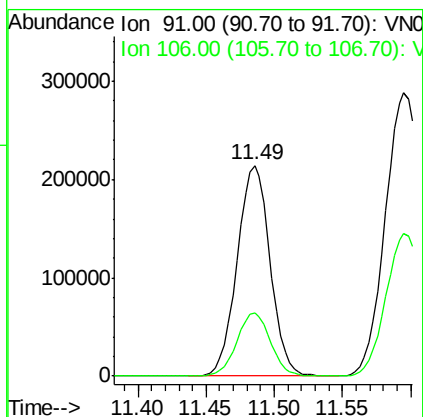
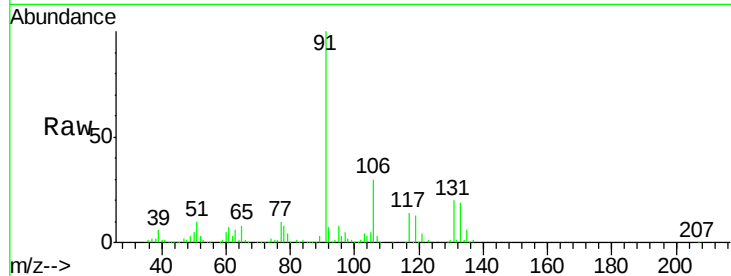
Ion Ratio Lower Upper

91 100

106 30.2 24.7 37.1

Manual Integrations
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#68

m/p-Xylenes

Concen: 35.362 ug/l

RT: 11.59 min Scan# 3065

Delta R.T. 0.00 min

Lab File: VN064121.D

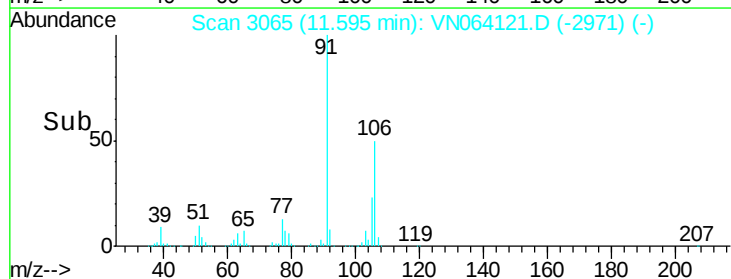
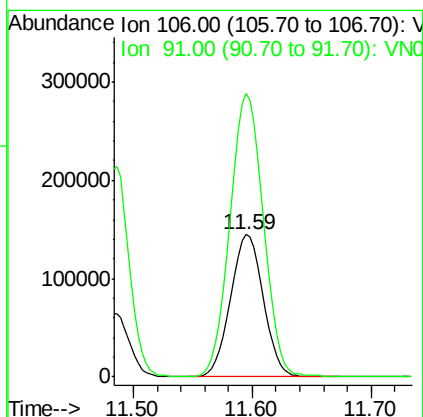
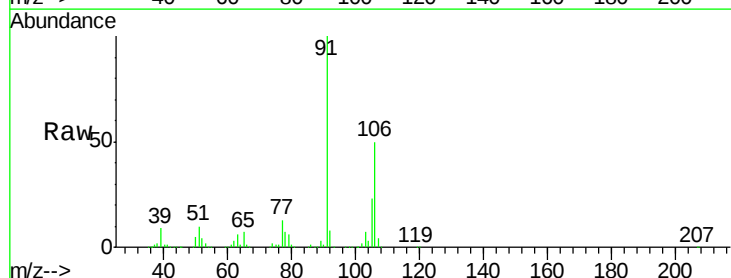
Acq: 14 Oct 2020 18:56

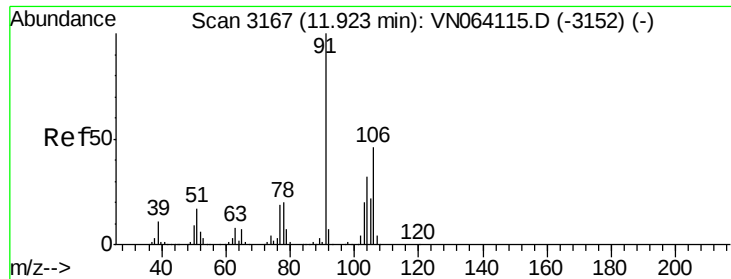
Tgt Ion: 106 Resp: 276558

Ion Ratio Lower Upper

106 100

91 202.5 162.1 243.1





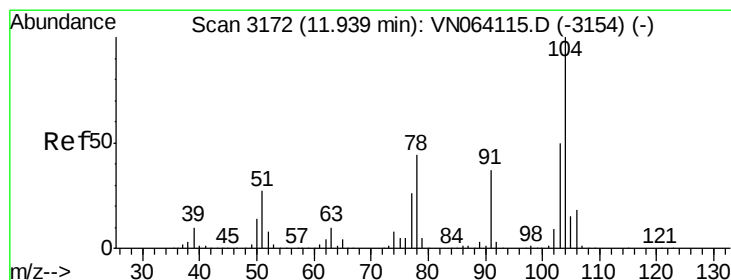
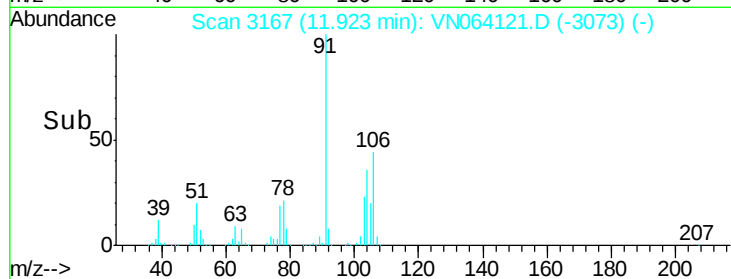
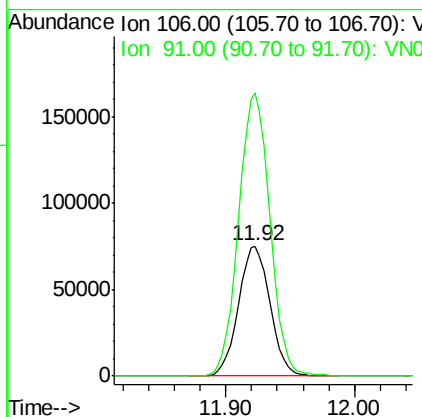
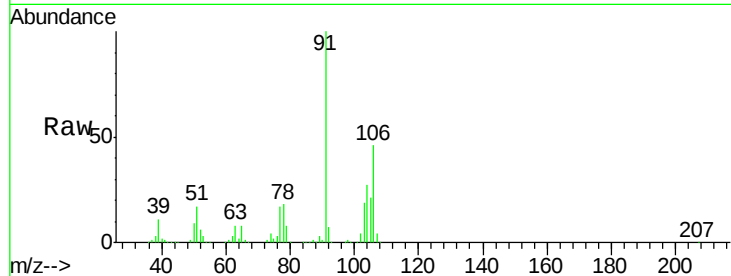
#69
o-Xylene
Concen: 17.469 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN064121.D
Acq: 14 Oct 2020 18:56

Instrument :
MSVOA_N
ClientSampleId :
VN1014WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	217.1	107.6	322.8		

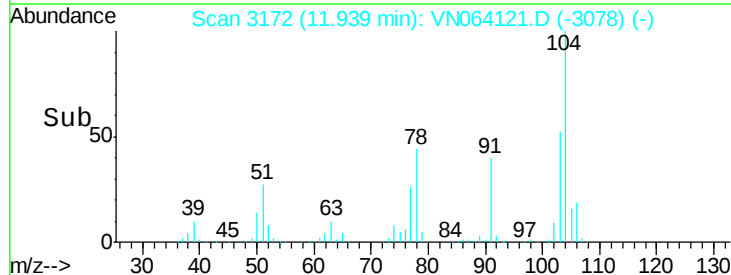
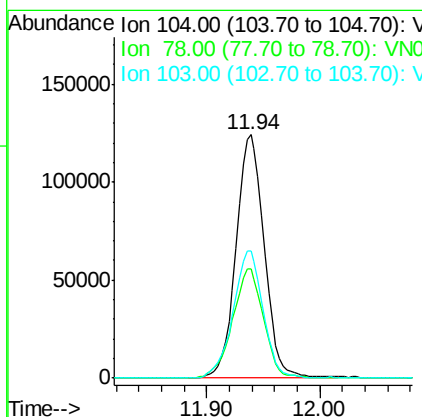
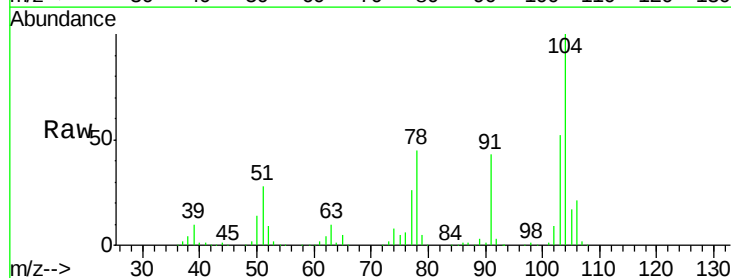
Manual Integrations
APPROVED

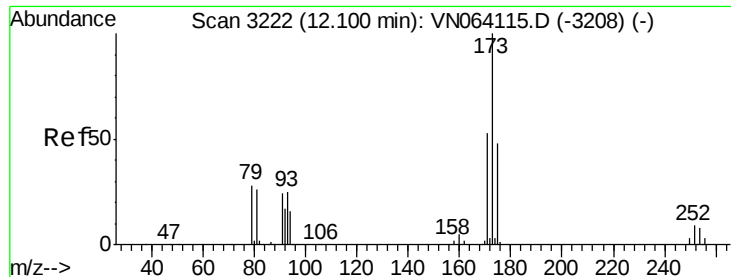
MMDadoda
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#70
Styrene
Concen: 17.458 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN064121.D
Acq: 14 Oct 2020 18:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	49.1	39.7	59.5		
103	55.5	44.2	66.2		





#71

Bromoform

Concen: 17.562 ug/l

RT: 12.10 min Scan# 3223

Delta R.T. 0.00 min

Lab File: VN064121.D

Acq: 14 Oct 2020 18:56

Instrument :

MSVOA_N

ClientSampleId :

VN1014WBSD01

Tot Ion:173 Resp: 59601

Ion Ratio Lower Upper

173 100

175 48.0 23.4 70.2

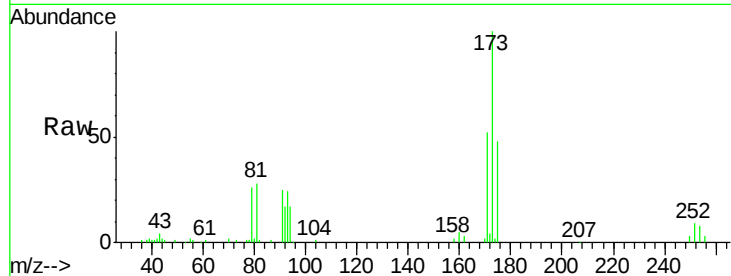
254 0.0 0.1 0.1#

Manual Integrations

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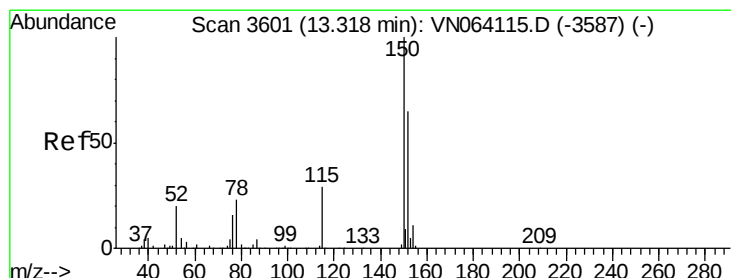
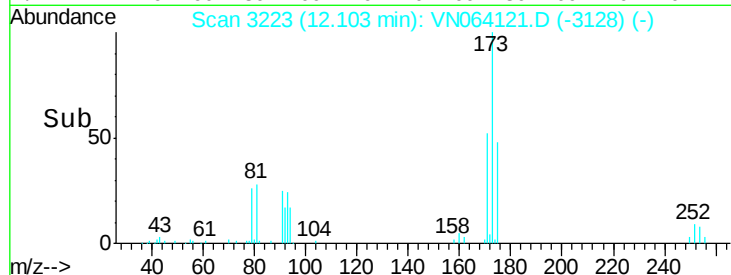
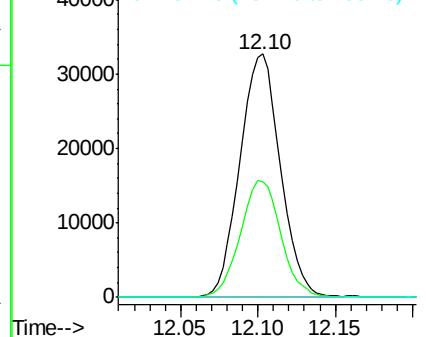
10/15/2020 12:17:34 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN064121.D

Acq: 14 Oct 2020 18:56

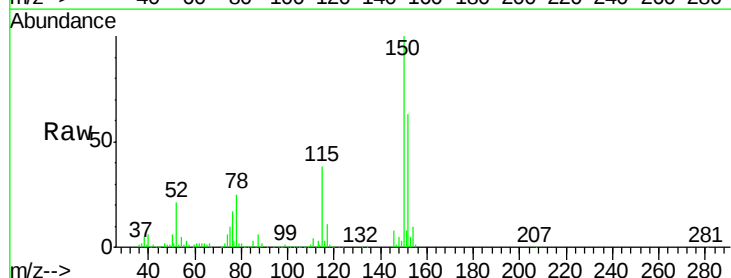
Tgt Ion:152 Resp: 252399

Ion Ratio Lower Upper

152 100

115 59.4 29.3 87.8

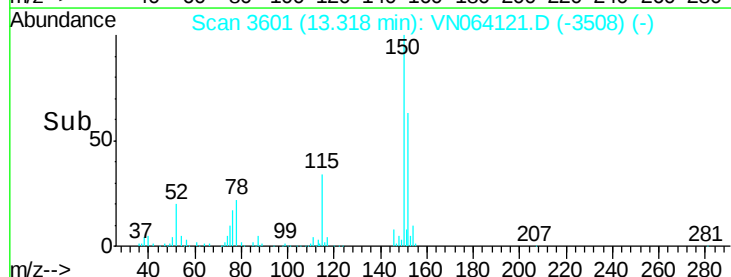
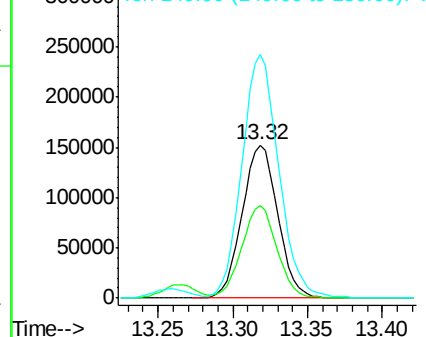
150 163.7 0.0 346.0

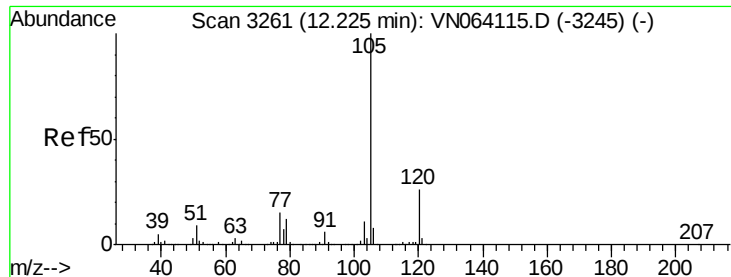


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.439 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN064121.D

Acq: 14 Oct 2020 18:56

Instrument :

MSVOA_N

ClientSampleId :

VN1014WBSD01

Tot Ion: 105 Resp: 337102

Ion Ratio Lower Upper

105 100

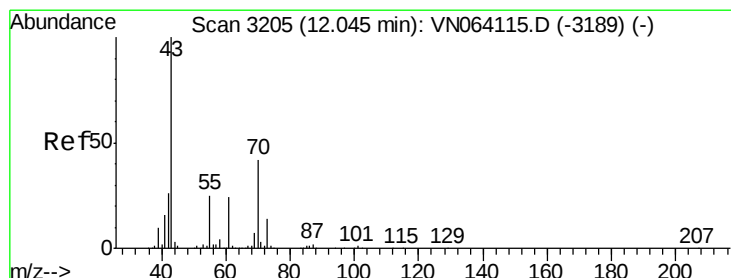
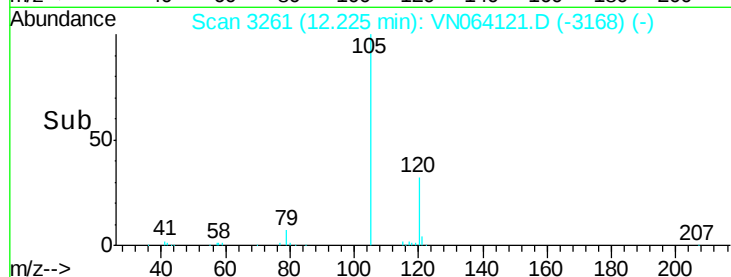
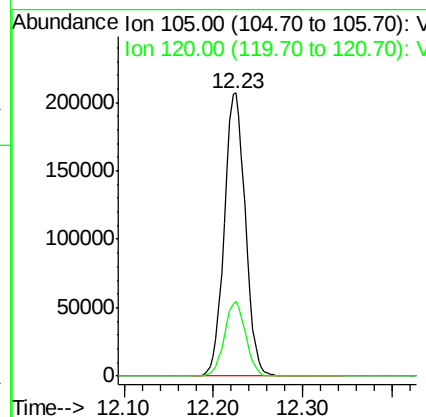
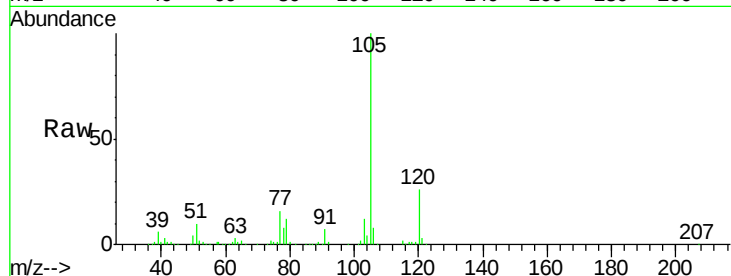
120 26.5 13.2 39.5

Manual Integrations

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#74

N-ethyl acetate

Concen: 17.007 ug/l

RT: 12.04 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN064121.D

Acq: 14 Oct 2020 18:56

Tgt Ion: 43 Resp: 116440

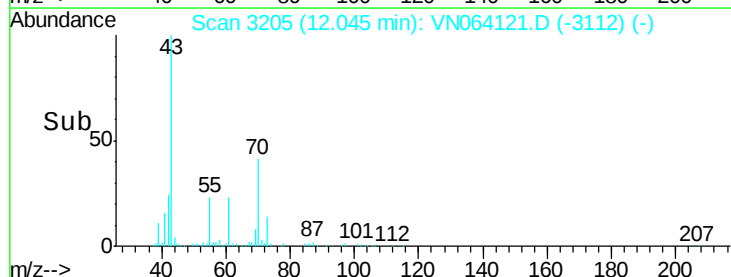
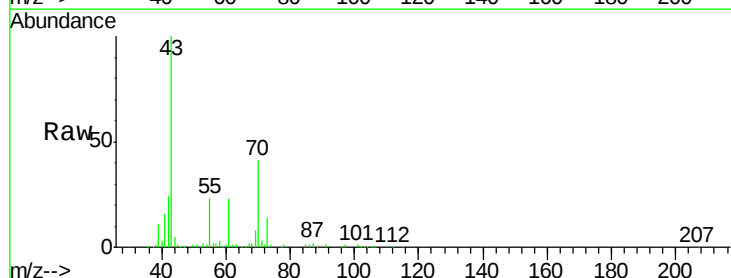
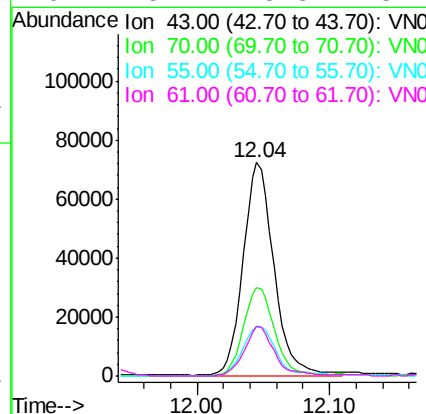
Ion Ratio Lower Upper

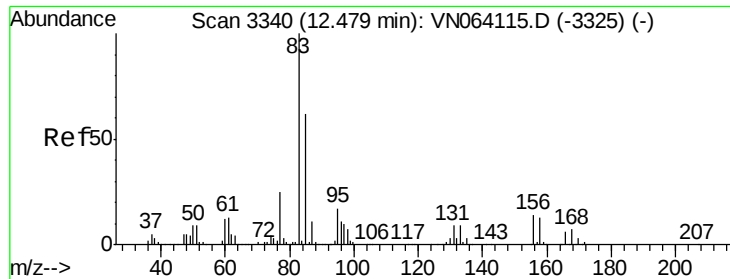
43 100

70 42.1 33.2 49.8

55 24.9 19.9 29.9

61 23.1 18.8 28.2





#75

1,1,2,2-Tetrachloroethane

Concen: 17.812 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064121.D

Acq: 14 Oct 2020 18:56

Instrument :

MSVOA_N

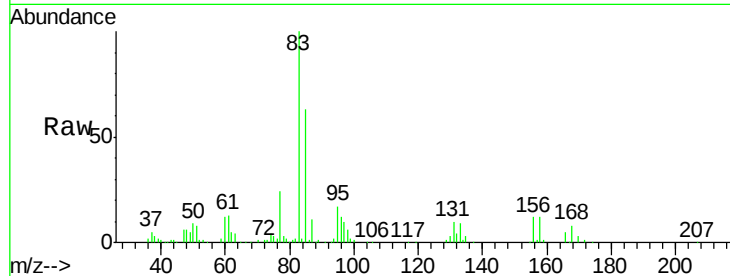
ClientSampleId :

VN1014WBSD01

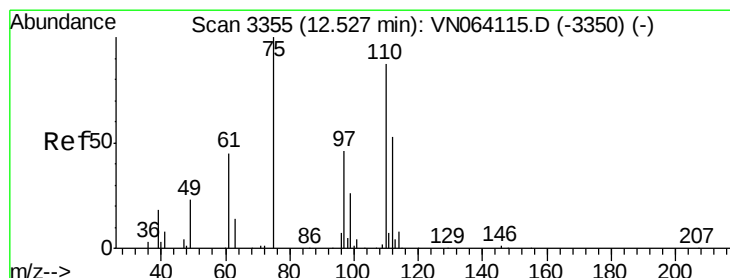
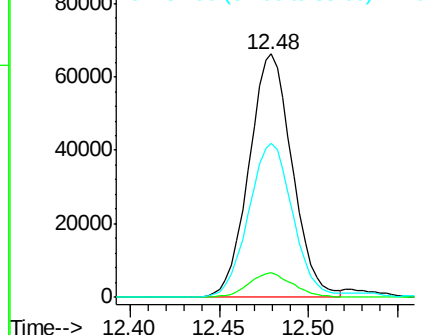
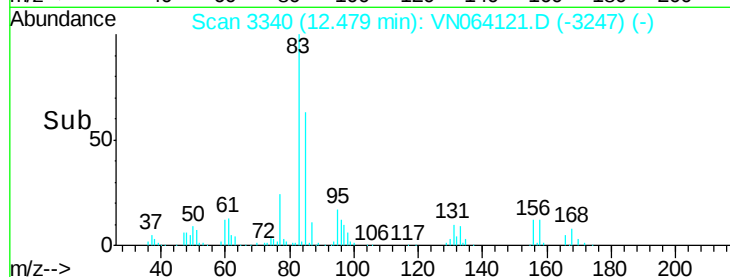
Tot Ion:	83	Resp:	112118
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.0	15.0
85	64.4	31.9	95.9

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN064121.D (-3247) (-)



#76

1,2,3-Trichloropropane

Concen: 15.706 ug/l m

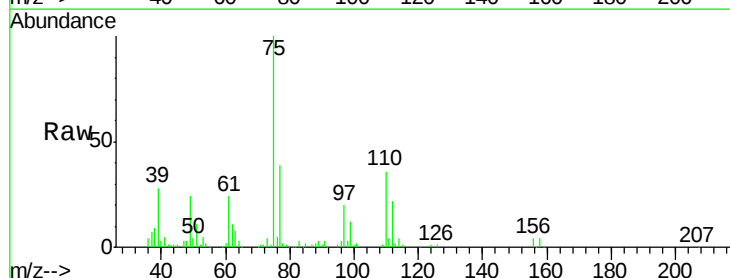
RT: 12.53 min Scan# 3356

Delta R.T. 0.00 min

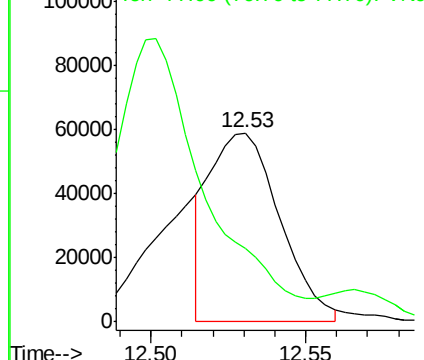
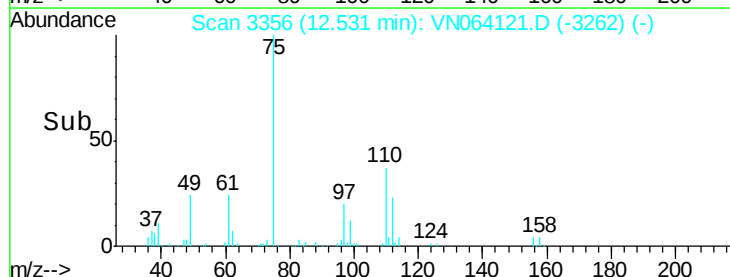
Lab File: VN064121.D

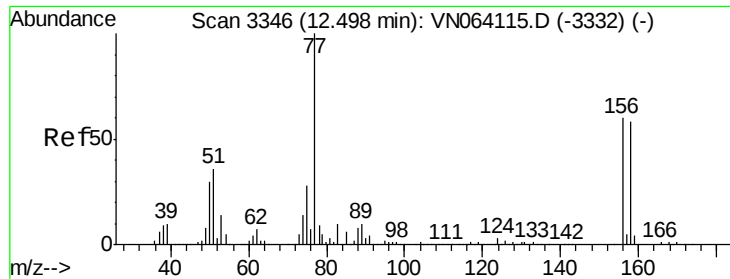
Acq: 14 Oct 2020 18:56

Tgt Ion:	75	Resp:	93001
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN064121.D (-3262) (-)





#77

Bromobenzene

Concen: 18.094 ug/l

RT: 12.50 min Scan# 3347

Delta R.T. 0.00 min

Lab File: VN064121.D

Acq: 14 Oct 2020 18:56

Instrument :

MSVOA_N

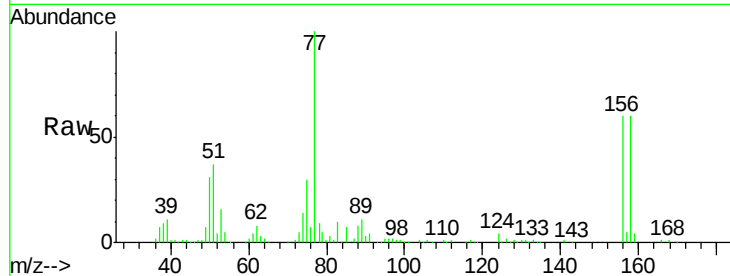
ClientSampleId :

VN1014WBSD01

Tot Ion	156	Resp	89806
Ion Ratio	Lower	Upper	
156	100		
77	204.4	99.3	297.9
158	99.4	48.6	145.9

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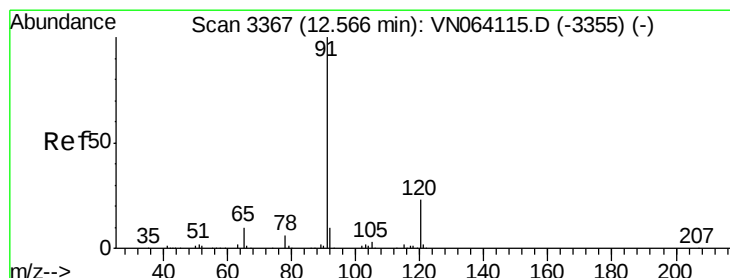
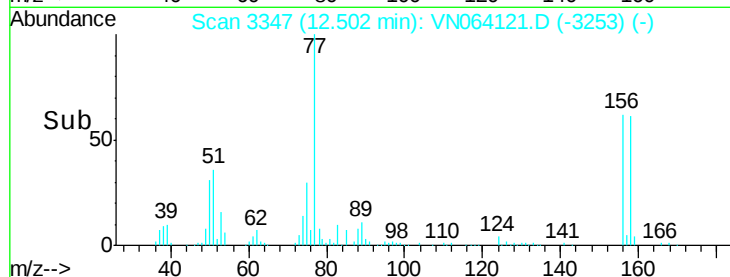
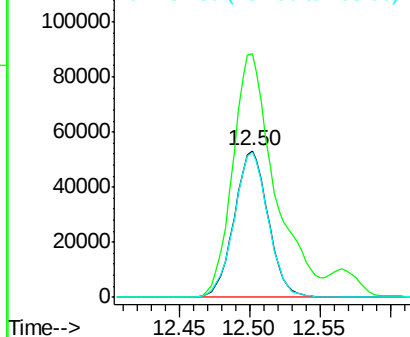
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.795 ug/l

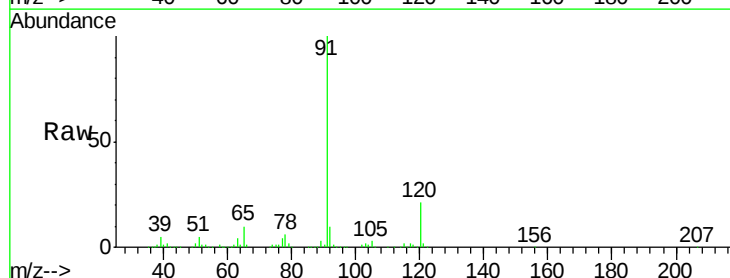
RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064121.D

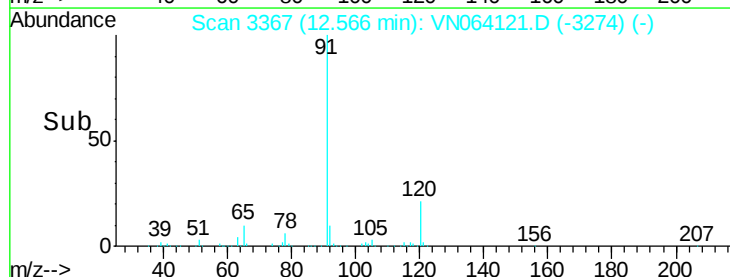
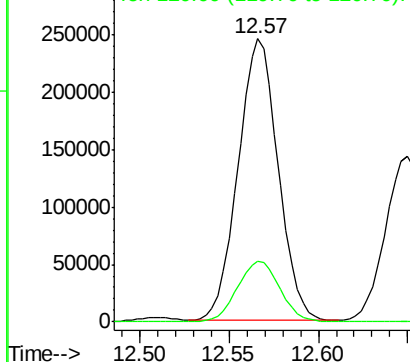
Acq: 14 Oct 2020 18:56

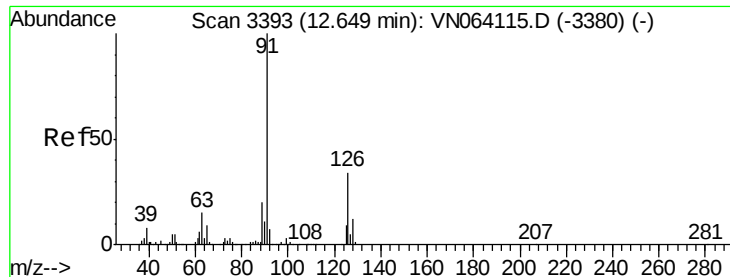
Tgt Ion	91	Resp	383532
Ion Ratio <td>Lower</td> <td>Upper</td> <td></td>	Lower	Upper	
91	100		
120	22.8	11.5	34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





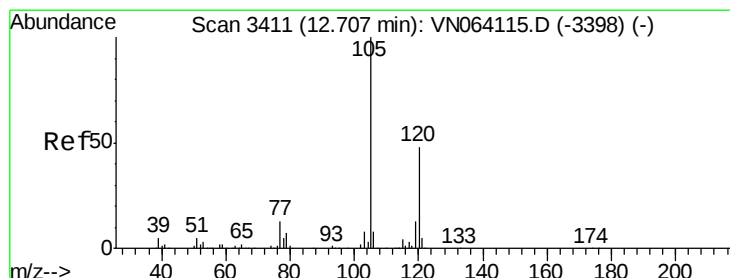
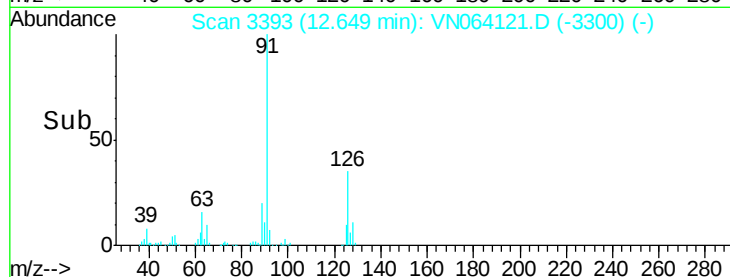
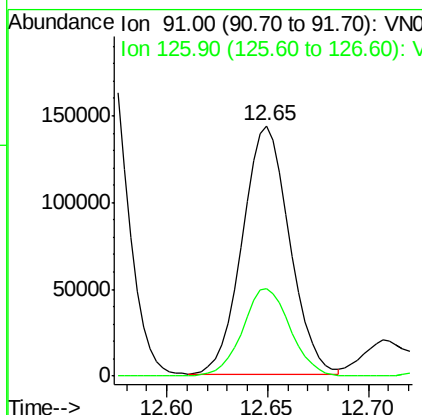
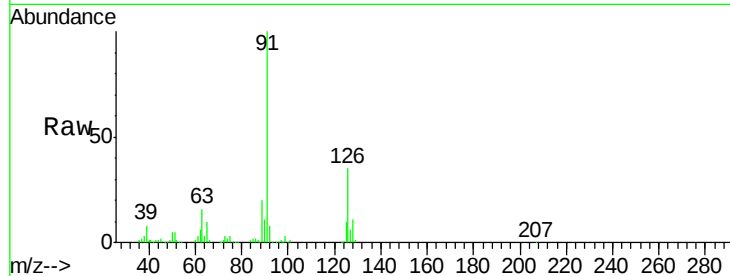
#79
 2-Chlorotoluene
 Concen: 17.975 ug/l
 RT: 12.65 min Scan# 3393
 Delta R.T. 0.00 min
 Lab File: VN064121.D
 Acq: 14 Oct 2020 18:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1014WBSD01

Tot Ion: 91 Resp: 233280
 Ion Ratio Lower Upper
 91 100
 126 35.8 17.5 52.5

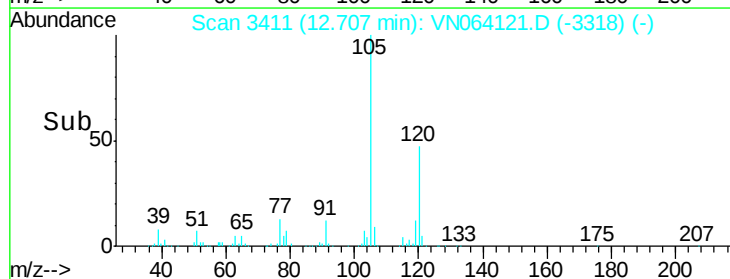
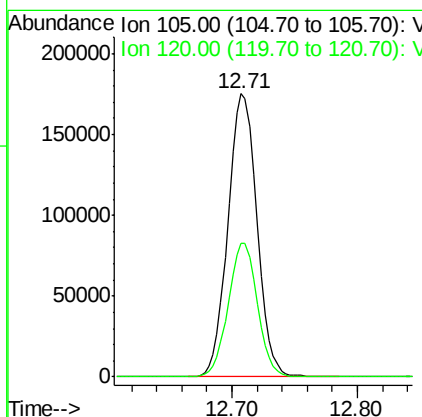
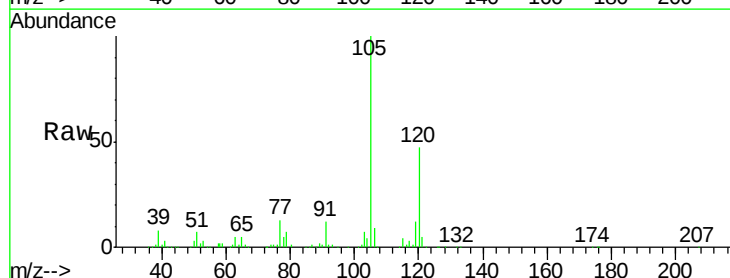
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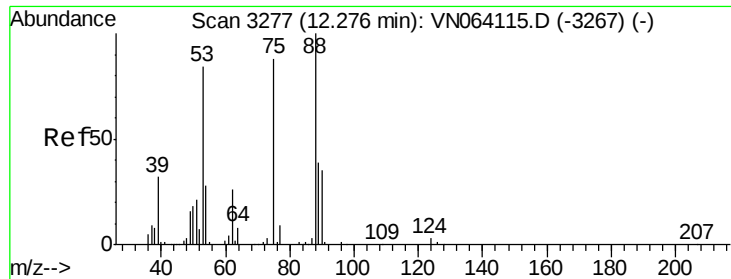
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#80
 1,3,5-Trimethylbenzene
 Concen: 19.182 ug/l
 RT: 12.71 min Scan# 3411
 Delta R.T. 0.00 min
 Lab File: VN064121.D
 Acq: 14 Oct 2020 18:56

Tgt Ion: 105 Resp: 281486
 Ion Ratio Lower Upper
 105 100
 120 47.5 24.0 72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 17.800 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN064121.D

Acq: 14 Oct 2020 18:56

Instrument :

MSVOA_N

ClientSampleId :

VN1014WBSD01

Tot Ion: 75 Resp: 34499

Ion Ratio Lower Upper

75 100

53 98.8 75.7 113.5

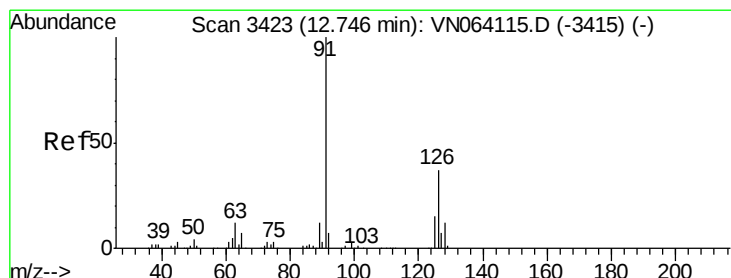
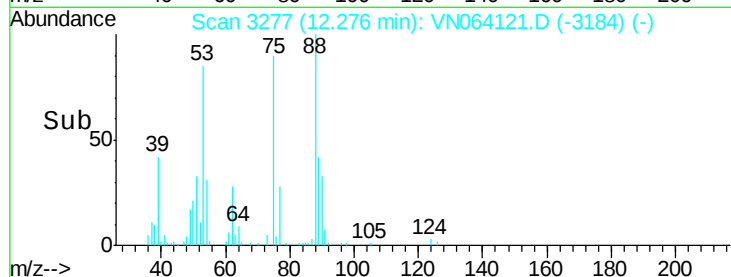
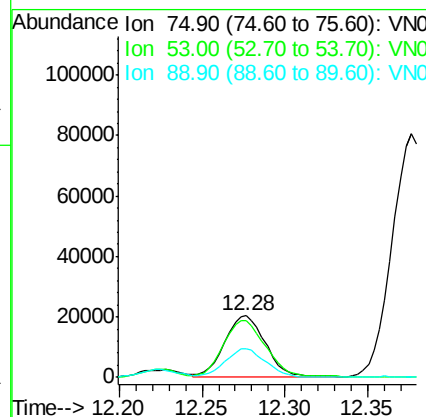
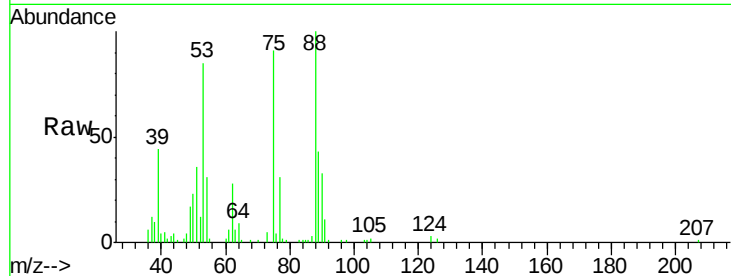
89 46.3 36.6 55.0

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#82

4-Chlorotoluene

Concen: 18.169 ug/l

RT: 12.75 min Scan# 3424

Delta R.T. 0.00 min

Lab File: VN064121.D

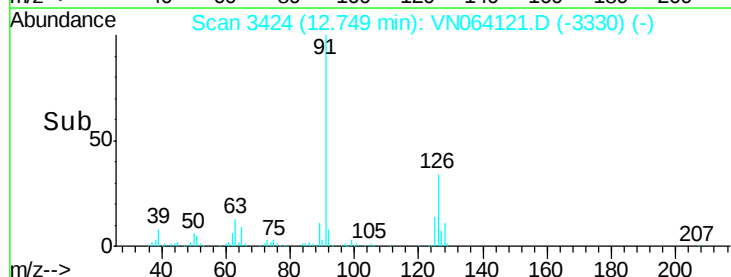
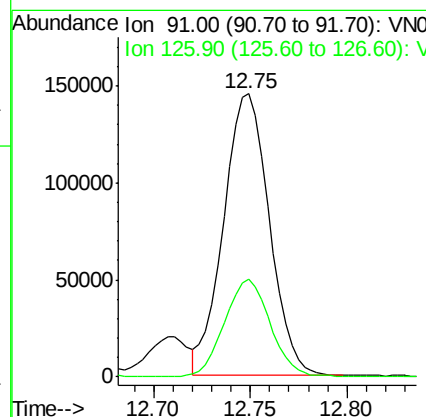
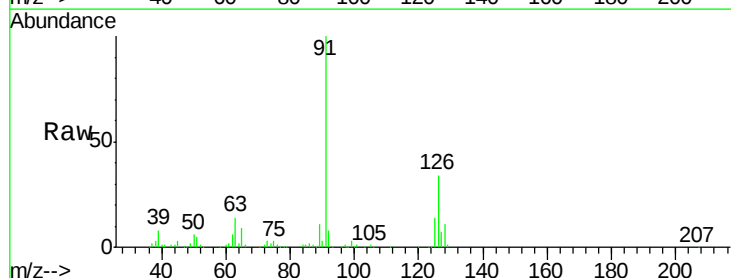
Acq: 14 Oct 2020 18:56

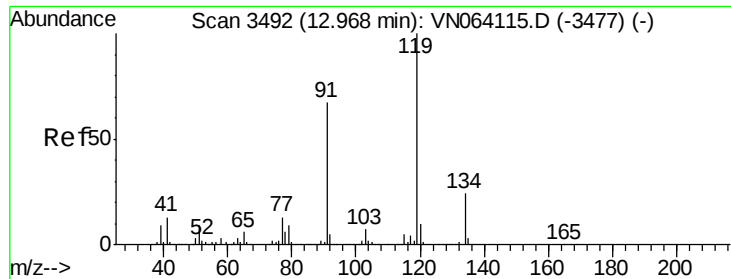
Tgt Ion: 91 Resp: 237656

Ion Ratio Lower Upper

91 100

126 34.8 17.1 51.2





#83

tert-Butylbenzene

Concen: 18.644 ug/l

RT: 12.97 min Scan# 3492

Delta R.T. 0.00 min

Lab File: VN064121.D

Acq: 14 Oct 2020 18:56

Instrument :

MSVOA_N

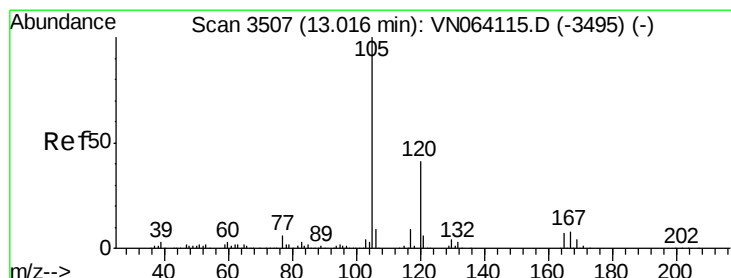
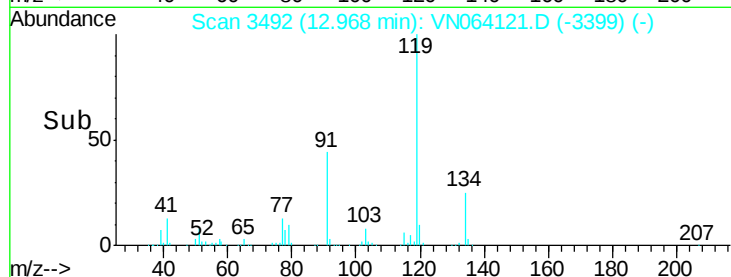
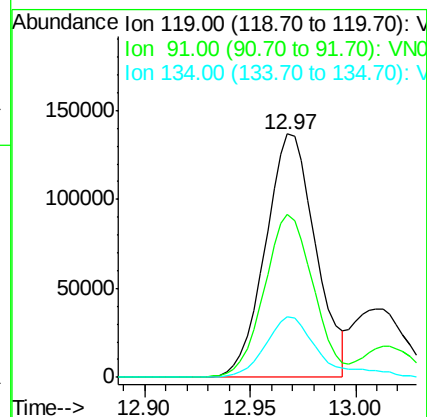
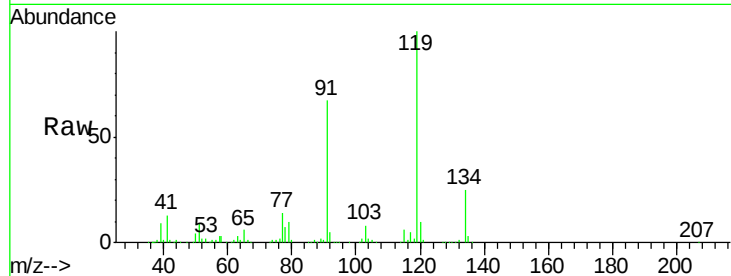
ClientSampleId :

VN1014WBSD01

Tot Ion:	119	Resp:	226274
Ion Ratio	Lower	Upper	
119	100		
91	65.3	32.6	98.0
134	26.7	13.0	39.0

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#84

1,2,4-Trimethylbenzene

Concen: 18.305 ug/l

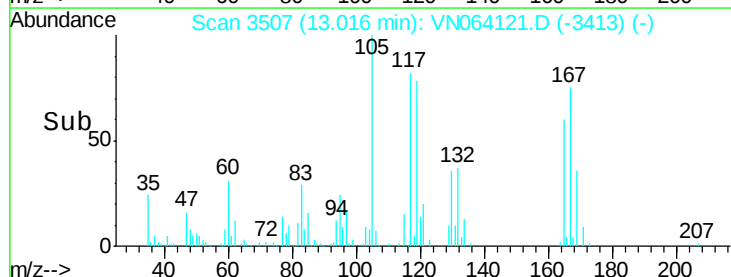
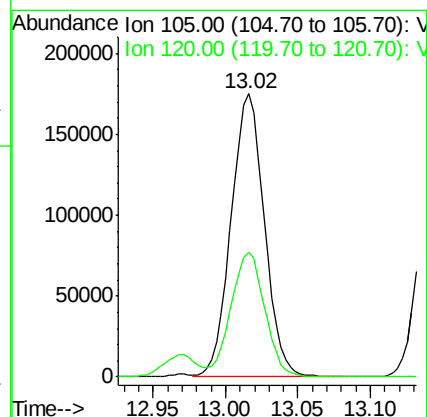
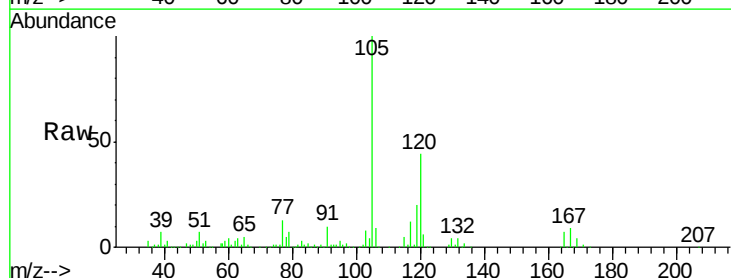
RT: 13.02 min Scan# 3507

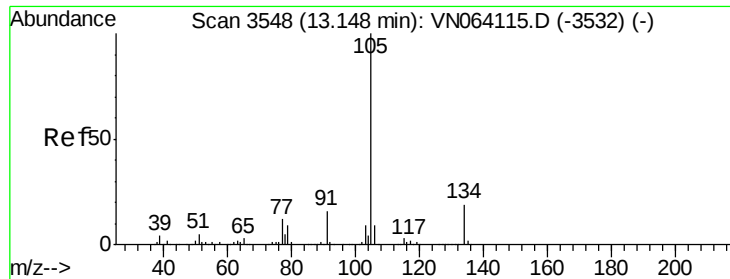
Delta R.T. 0.00 min

Lab File: VN064121.D

Acq: 14 Oct 2020 18:56

Tgt Ion:	105	Resp:	278193
Ion Ratio	Lower	Upper	
105	100		
120	44.5	22.8	68.4





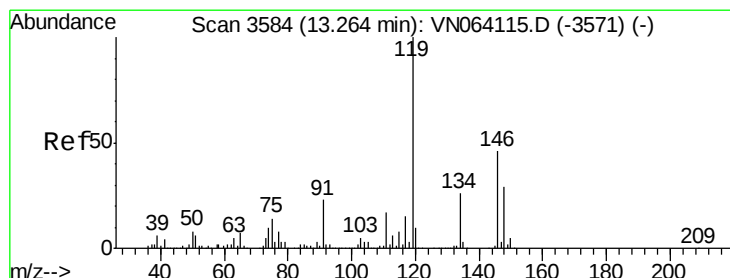
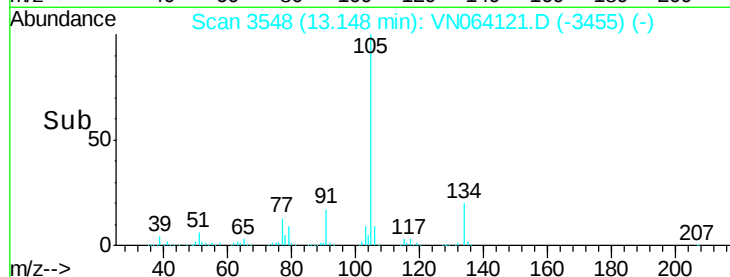
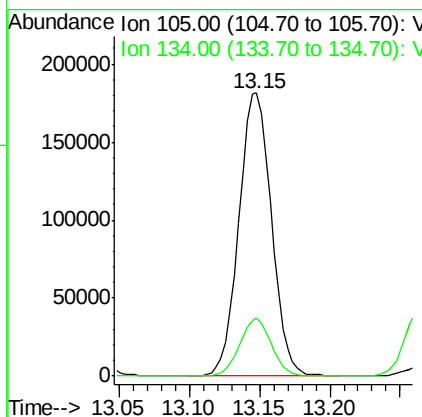
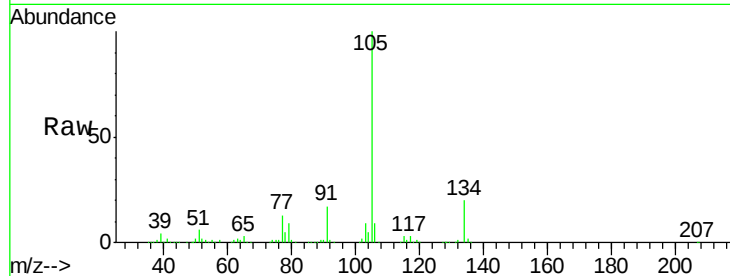
#85
 sec-Butylbenzene
 Concen: 18.837 ug/l
 RT: 13.15 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN064121.D
 Acq: 14 Oct 2020 18:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1014WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	293889		
134	19.8	9.7	29.1	

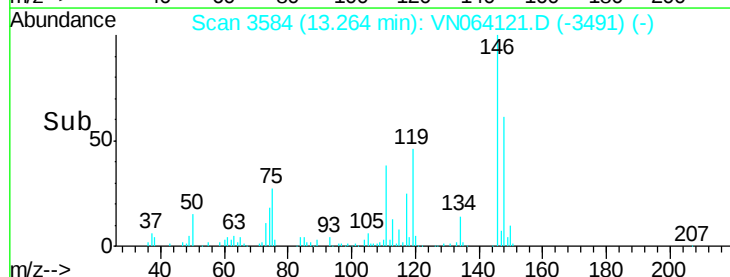
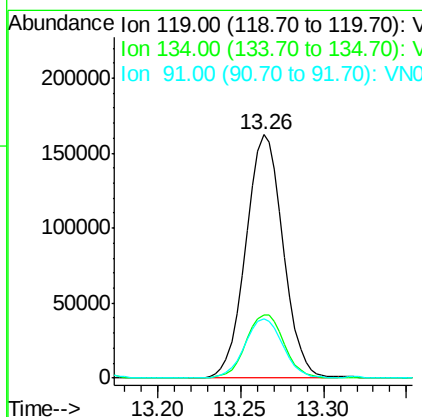
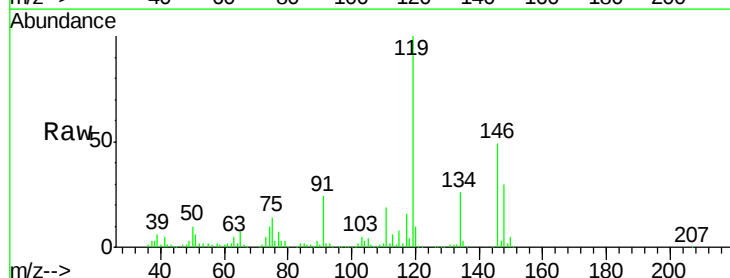
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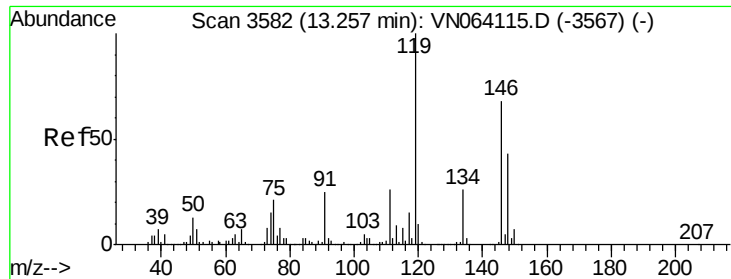
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#86
 p-Isopropyltoluene
 Concen: 17.576 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN064121.D
 Acq: 14 Oct 2020 18:56

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	252940		
134	26.8	13.2	39.5	
91	24.9	12.0	36.1	





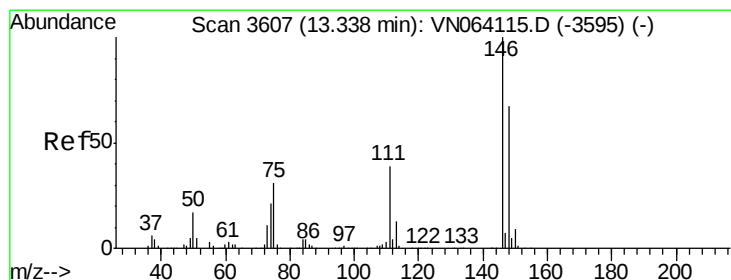
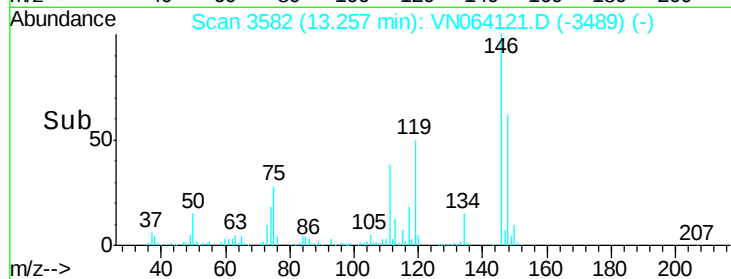
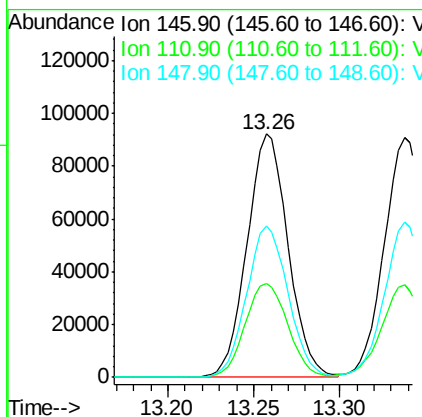
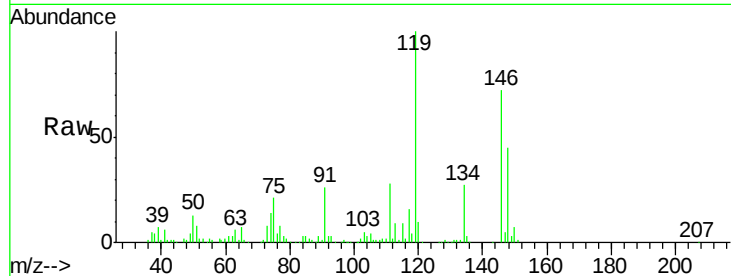
#87
 1,3-Dichlorobenzene
 Concen: 18.485 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064121.D
 Acq: 14 Oct 2020 18:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1014WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	19.7	59.1
148	62.8	32.0	96.2

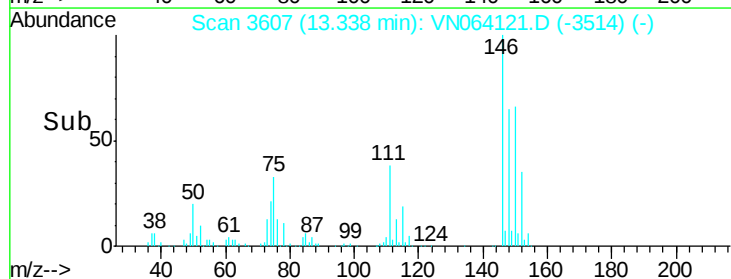
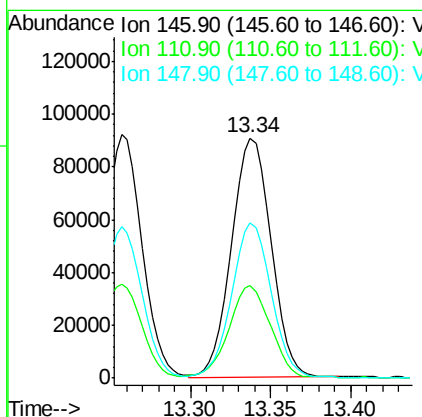
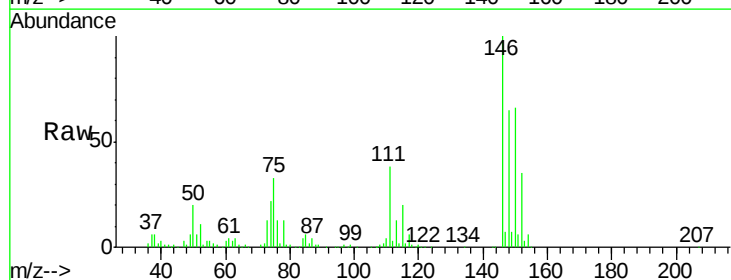
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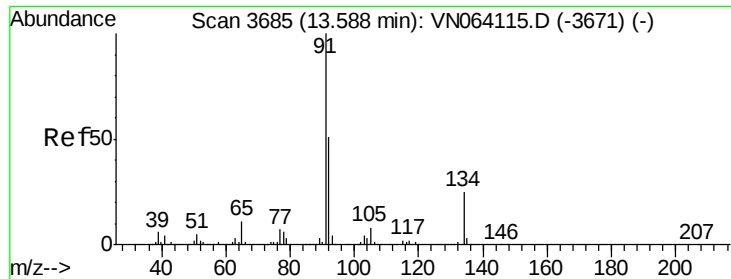
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#88
 1,4-Dichlorobenzene
 Concen: 18.050 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064121.D
 Acq: 14 Oct 2020 18:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.3	57.9
148	65.6	32.1	96.5





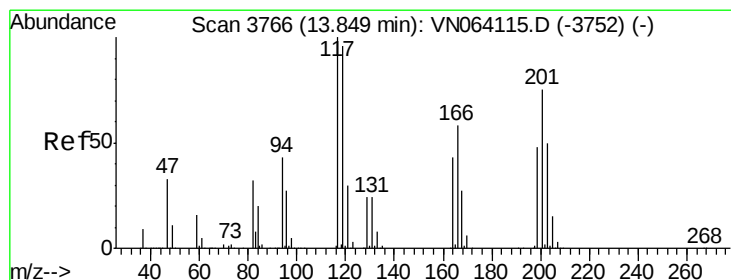
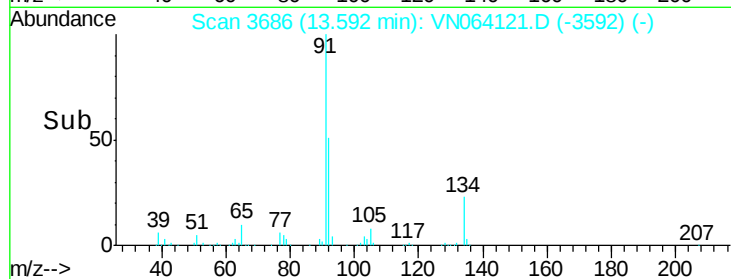
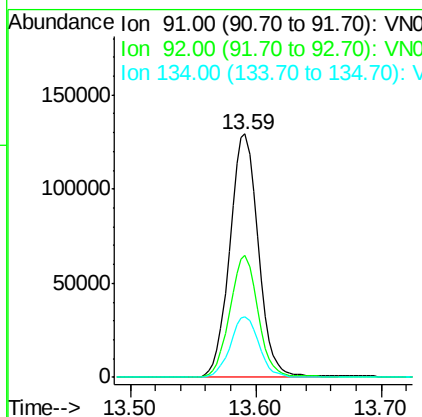
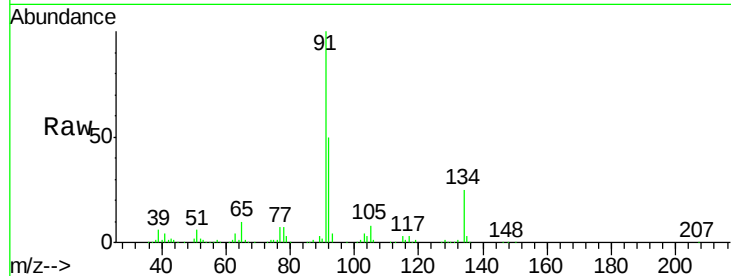
#89
n-Butylbenzene
Concen: 18.045 ug/l
RT: 13.59 min Scan# 3686
Delta R.T. 0.00 min
Lab File: VN064121.D
Acq: 14 Oct 2020 18:56

Instrument :
MSVOA_N
ClientSampleId :
VN1014WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	49.7	25.6	76.6
134	24.9	12.6	37.8

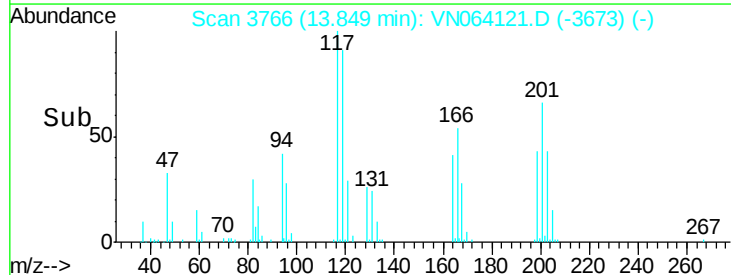
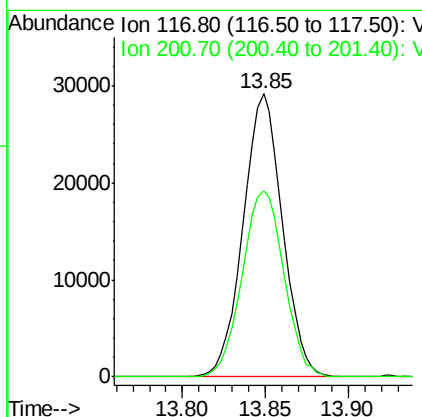
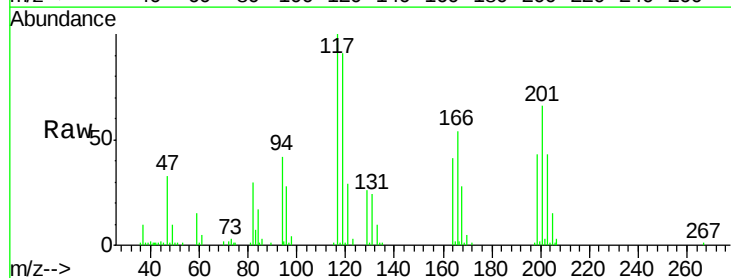
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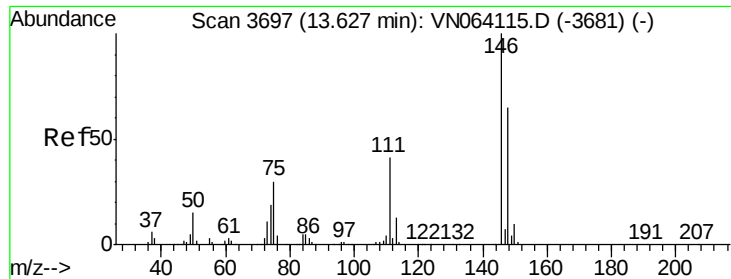
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#90
Hexachloroethane
Concen: 18.462 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN064121.D
Acq: 14 Oct 2020 18:56

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.0	37.4	112.2





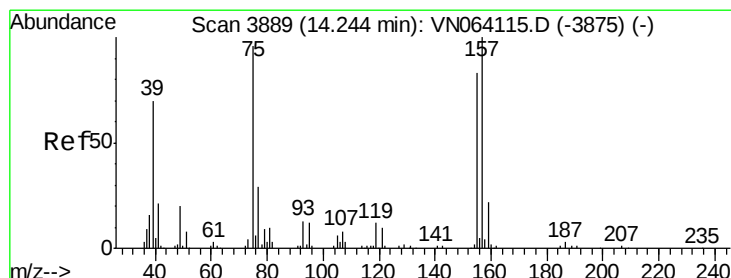
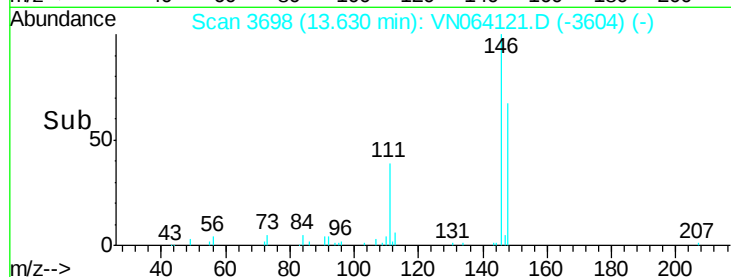
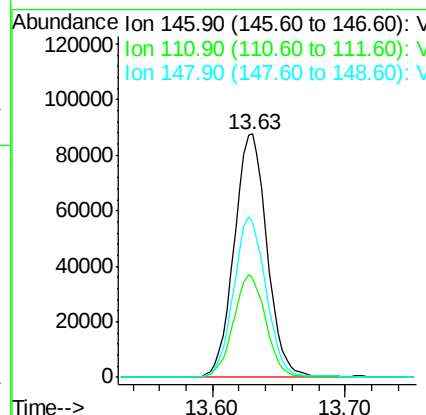
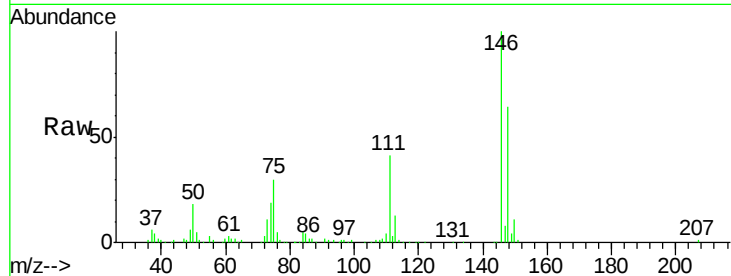
#91
 1,2-Dichlorobenzene
 Concen: 18.348 ug/l
 RT: 13.63 min Scan# 3698
 Delta R.T. 0.00 min
 Lab File: VN064121.D
 Acq: 14 Oct 2020 18:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1014WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.3	60.8
148	65.4	32.2	96.6

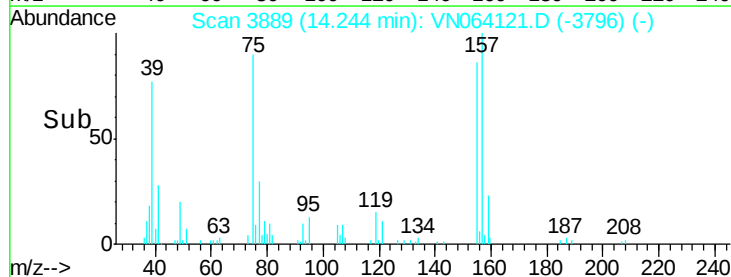
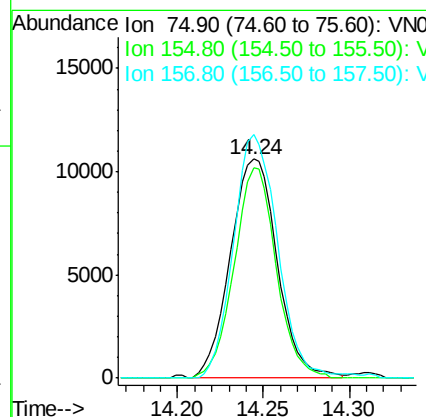
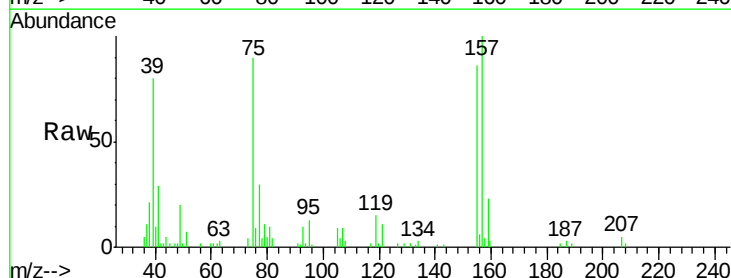
Manual Integrations
 APPROVED

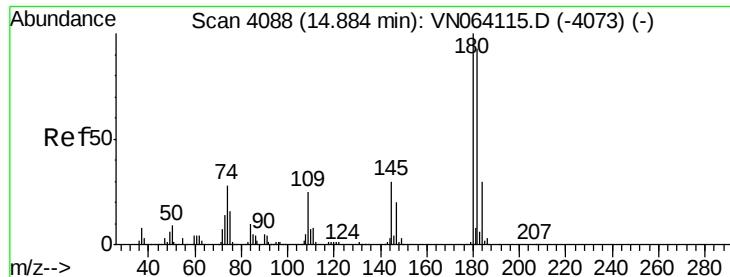
MMDadoda
 10/15/2020 12:17:34 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.666 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN064121.D
 Acq: 14 Oct 2020 18:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.7	40.8	122.2
157	104.6	53.9	161.7





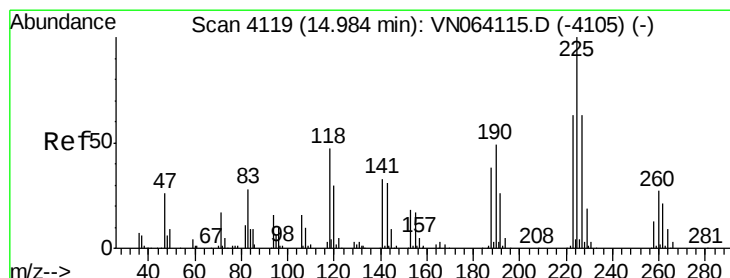
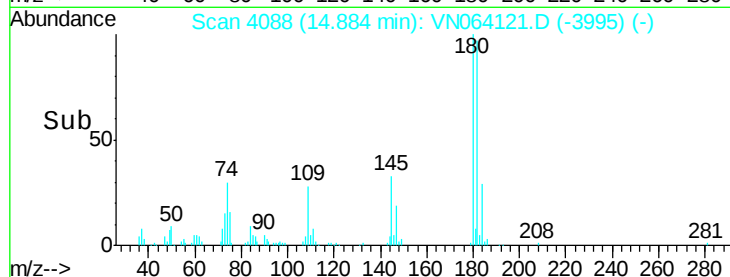
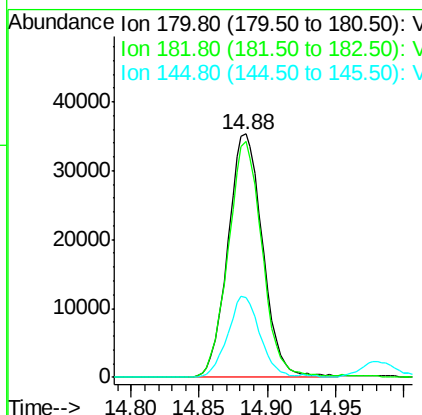
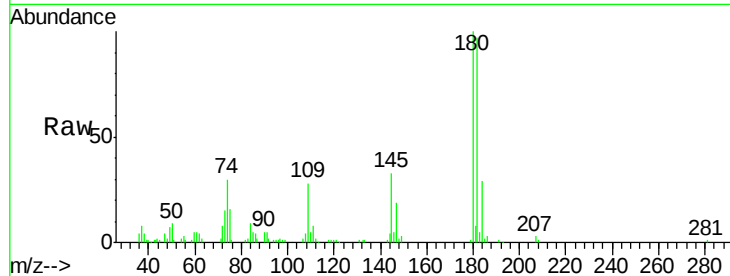
#93
 1,2,4-Trichlorobenzene
 Concen: 17.680 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN064121.D
 Acq: 14 Oct 2020 18:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1014WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	45.8	137.4
145	30.8	15.4	46.1

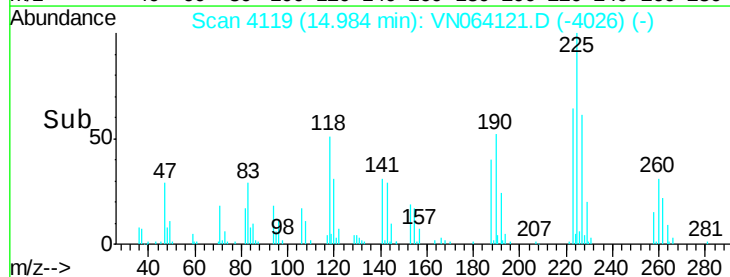
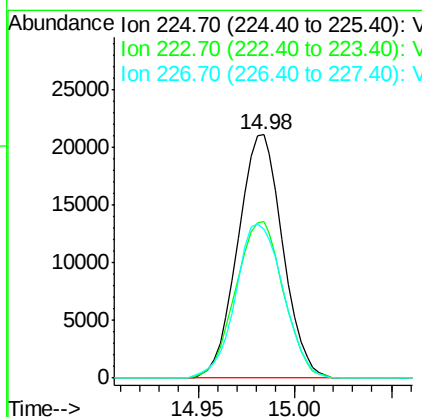
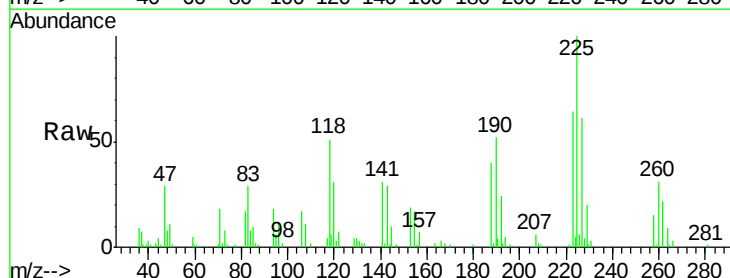
Manual Integrations
 APPROVED

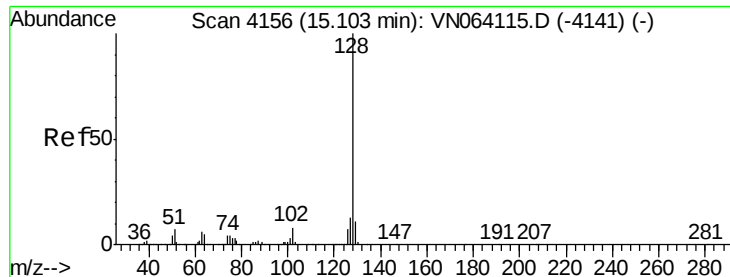
MMDadoda
 10/15/2020 12:17:34 PM



#94
 Hexachlorobutadiene
 Concen: 17.394 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN064121.D
 Acq: 14 Oct 2020 18:56

Tgt Ion	Ratio	Lower	Upper
225	100		
223	68.7	32.3	96.9
227	67.0	31.6	94.8





#95

Naphthalene

Concen: 17.425 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064121.D

Acq: 14 Oct 2020 18:56

Instrument :

MSVOA_N

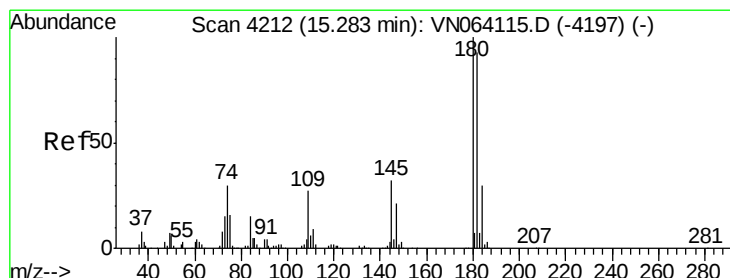
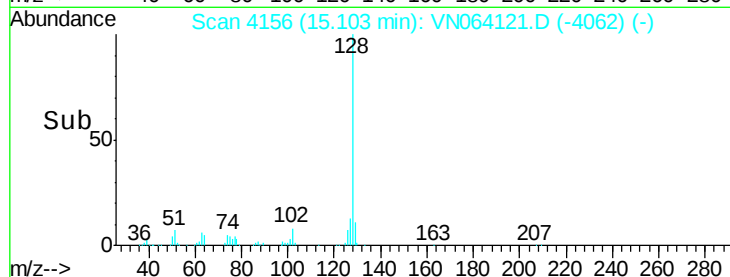
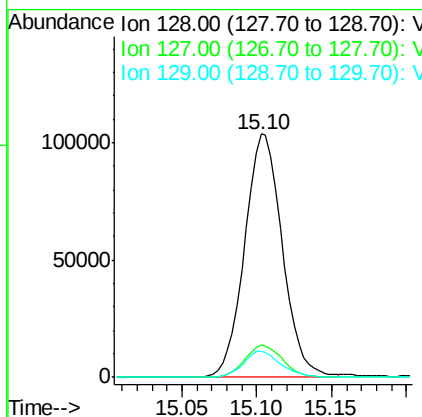
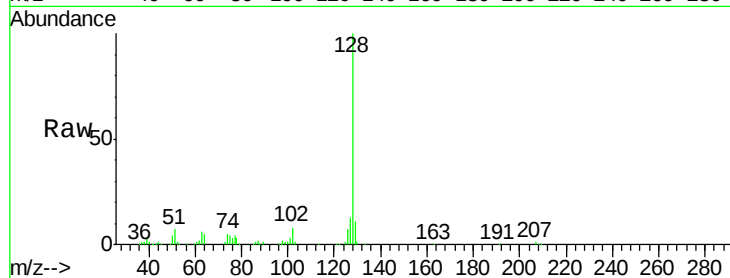
ClientSampleId :

VN1014WBSD01

Tot Ion:	128	Resp:	182196
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.2	15.4
129	10.5	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
10/15/2020 12:17:34 PM



#96

1,2,3-Trichlorobenzene

Concen: 17.767 ug/l

RT: 15.29 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN064121.D

Acq: 14 Oct 2020 18:56

Tgt Ion:	180	Resp:	63839
Ion Ratio	Lower	Upper	
180	100		
182	93.1	46.6	139.8
145	32.8	16.1	48.2

