

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102220\
 Data File : VN064269.D
 Acq On : 22 Oct 2020 22:49
 Operator : JC/MD
 Sample : VN1022WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1022WBSD02

Manual Integrations
 APPROVED

MMDadoda
 10/23/2020 3:36:27 PM

Quant Time: Oct 23 03:29:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102120W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 21 12:48:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	258208	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	423900	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	380243	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	177906	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	200368	52.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.50%	
35) Dibromofluoromethane	7.55	113	142898	50.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.40%	
50) Toluene-d8	10.06	98	507516	49.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.28%	
62) 4-Bromofluorobenzene	12.38	95	201247	48.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.12%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	57794	18.819	ug/l	90
3) Chloromethane	2.04	50	58942	19.751	ug/l	97
4) Vinyl Chloride	2.16	62	58671	19.830	ug/l	96
5) Bromomethane	2.53	94	37314	19.348	ug/l	99
6) Chloroethane	2.68	64	34392	19.095	ug/l	93
7) Trichlorofluoromethane	2.99	101	99777	20.507	ug/l	97
8) Diethyl Ether	3.37	74	31735	19.717	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	47768	18.985	ug/l	98
10) Methyl Iodide	3.91	142	64994	18.165	ug/l	99
11) Tert butyl alcohol	4.73	59	51257	99.858	ug/l #	92
12) 1,1-Dichloroethene	3.70	96	45997	19.007	ug/l	99
13) Acrolein	3.57	56	27034	83.901	ug/l	99
14) Allyl chloride	4.28	41	88103	18.190	ug/l	96
15) Acrylonitrile	4.93	53	101891	95.996	ug/l	98
16) Acetone	3.77	43	106140	96.740	ug/l	95
17) Carbon Disulfide	4.01	76	131252	19.014	ug/l	98
18) Methyl Acetate	4.28	43	55371	19.805	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	160184	19.253	ug/l	100
20) Methylene Chloride	4.51	84	53554	18.305	ug/l	92
21) trans-1,2-Dichloroethene	4.99	96	51659	19.358	ug/l	95
22) Diisopropyl ether	5.90	45	168233	18.684	ug/l	95
23) Vinyl Acetate	5.85	43	770274	95.928	ug/l	100
24) 1,1-Dichloroethane	5.80	63	102438	19.639	ug/l	97
25) 2-Butanone	6.78	43	168632	96.740	ug/l	100
26) 2,2-Dichloropropane	6.78	77	88551	17.053	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	59071	19.008	ug/l	98
28) Bromochloromethane	7.15	49	53359	21.534	ug/l	98
29) Tetrahydrofuran	7.16	42	106645	102.277	ug/l	99
30) Chloroform	7.33	83	107984	19.408	ug/l	97
31) Cyclohexane	7.61	56	83074	18.275	ug/l	91
32) 1,1,1-Trichloroethane	7.53	97	102596	19.684	ug/l	99
36) 1,1-Dichloropropene	7.75	75	78411	18.554	ug/l	98
37) Ethyl Acetate	6.88	43	74011	19.289	ug/l	98
38) Carbon Tetrachloride	7.74	117	89646	18.644	ug/l	97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	69287	18.031	ug/l	95
40) Benzene	8.00	78	218861	18.761	ug/l	97
41) Methacrylonitrile	7.12	41	39038	19.395	ug/l	94
42) 1,2-Dichloroethane	8.09	62	95506	19.111	ug/l	100
43) Isopropyl Acetate	8.13	43	137550	19.235	ug/l	99
44) Trichloroethene	8.80	130	59577	18.741	ug/l	95
45) 1,2-Dichloropropane	9.08	63	56845	18.253	ug/l	98
46) Dibromomethane	9.18	93	40926	19.571	ug/l	97
47) Bromodichloromethane	9.37	83	90905	19.676	ug/l	96
48) Methyl methacrylate	9.16	41	68278	18.278	ug/l	98
49) 1,4-Dioxane	9.16	88	16498	377.467	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	378738	99.099	ug/l	100
52) Toluene	10.13	92	136764	18.322	ug/l	97
53) t-1,3-Dichloropropene	10.35	75	92569	18.037	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	99285	18.373	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	54352	19.279	ug/l	98
56) Ethyl methacrylate	10.40	69	83070	19.057	ug/l	98
57) 1,3-Dichloropropane	10.68	76	95976	19.599	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	207835	92.590	ug/l	99
59) 2-Hexanone	10.72	43	271488	97.269	ug/l	99
60) Dibromochloromethane	10.87	129	67517	18.500	ug/l	100
61) 1,2-Dibromoethane	10.98	107	58029	19.506	ug/l	99
64) Tetrachloroethene	10.60	164	59092	19.304	ug/l	97
65) Chlorobenzene	11.41	112	152129	19.328	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	58184	18.624	ug/l	98
67) Ethyl Benzene	11.48	91	272498	18.839	ug/l	99
68) m/p-Xylenes	11.59	106	198940	37.121	ug/l	99
69) o-Xylene	11.92	106	98175	18.941	ug/l	100
70) Styrene	11.94	104	159941	18.409	ug/l	98
71) Bromoform	12.10	173	46084	19.095	ug/l #	96
73) Isopropylbenzene	12.22	105	257869	19.005	ug/l	100
74) N-amyl acetate	12.05	43	114908	19.599	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	71895	19.967	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	70449m	18.784	ug/l	
77) Bromobenzene	12.50	156	64889	20.257	ug/l	96
78) n-propylbenzene	12.57	91	287643	18.802	ug/l	99
79) 2-Chlorotoluene	12.65	91	183170	19.493	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	220911	19.258	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.27	75	26050	17.536	ug/l	96
82) 4-Chlorotoluene	12.75	91	191893	19.577	ug/l	99
83) tert-Butylbenzene	12.97	119	178495	18.979	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	223968	19.617	ug/l	100
85) sec-Butylbenzene	13.14	105	229340	19.343	ug/l	100
86) p-Isopropyltoluene	13.26	119	209289	19.384	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	108061	18.959	ug/l	98
88) 1,4-Dichlorobenzene	13.33	146	109202	18.718	ug/l	100
89) n-Butylbenzene	13.59	91	179005	18.495	ug/l	98
90) Hexachloroethane	13.85	117	36231	18.528	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	108498	19.403	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.24	75	18972	21.120	ug/l	94

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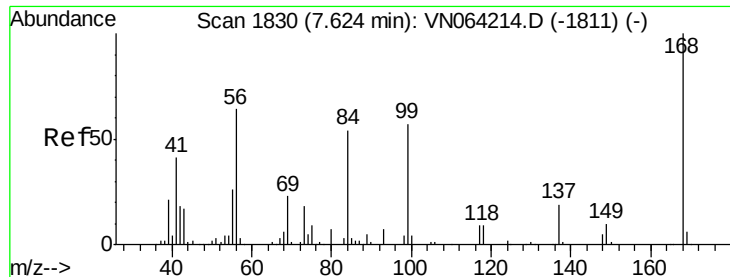
Manual Integrations
APPROVED

MMDadoda
10/23/2020 3:36:27 PM

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	59866	19.089	ug/l	96
94) Hexachlorobutadiene	14.98	225	33602	19.865	ug/l	98
95) Naphthalene	15.10	128	184816	19.678	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	57620	18.550	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

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Acq: 22 Oct 2020 22:49

Instrument :

MSVOA_N

ClientSampleId :

VN1022WBSD02

Tot Ion:168 Resp: 258208

Ion Ratio Lower Upper

168 100

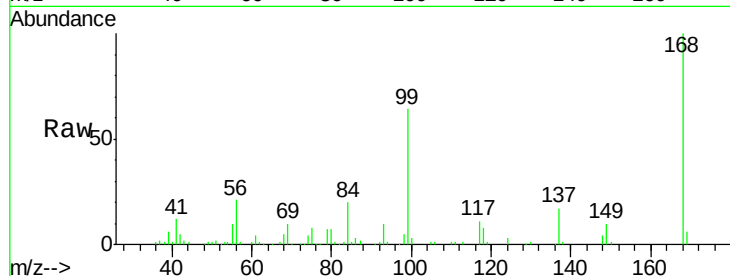
99 63.3 54.0 81.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

120000

100000

80000

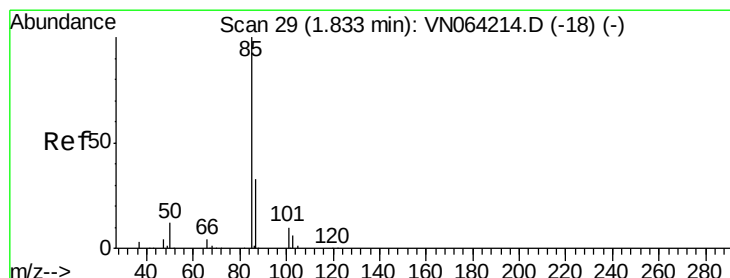
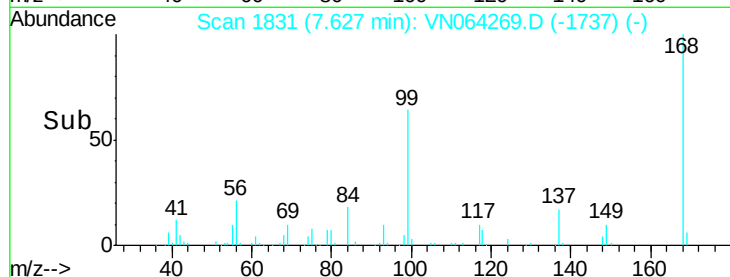
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 18.819 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064269.D

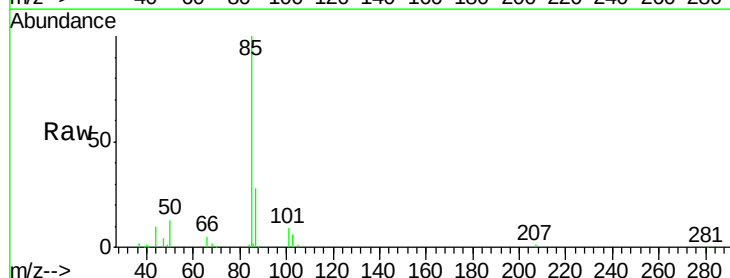
Acq: 22 Oct 2020 22:49

Tgt Ion: 85 Resp: 57794

Ion Ratio Lower Upper

85 100

87 27.8 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

50000

40000

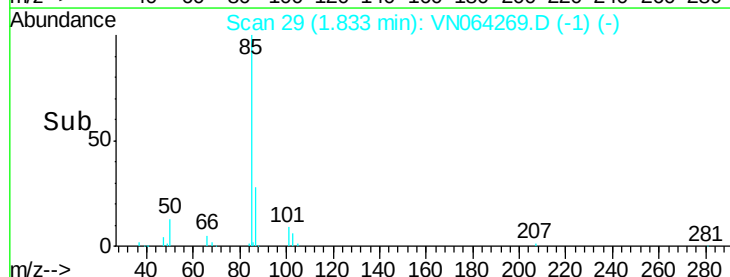
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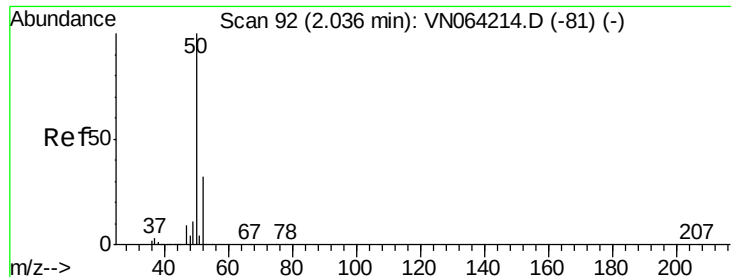
20000

10000

0

Time--> 1.80 1.85 1.90





#3

Chloromethane

Concen: 19.751 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064269.D

Acq: 22 Oct 2020 22:49

Instrument :

MSVOA_N

ClientSampleId :

VN1022WBSD02

Tot Ion: 50 Resp: 58942

Ion Ratio Lower Upper

50 100

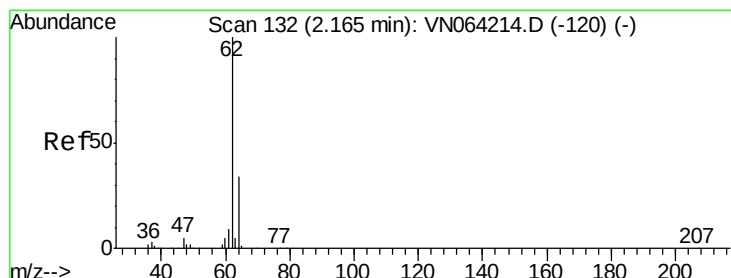
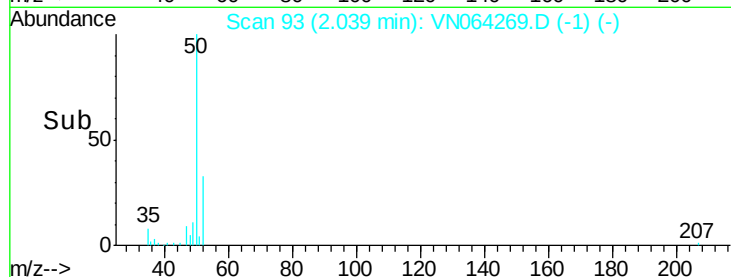
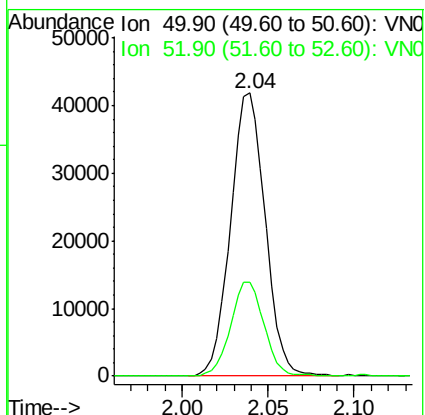
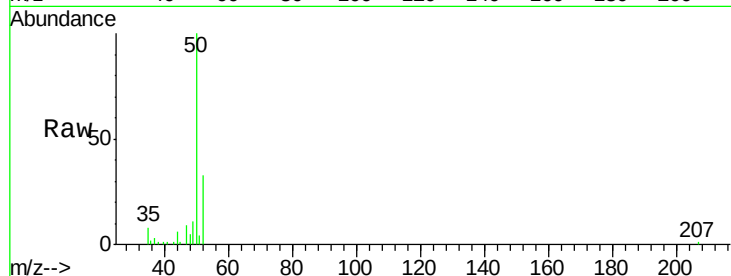
52 33.4 25.3 37.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.830 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN064269.D

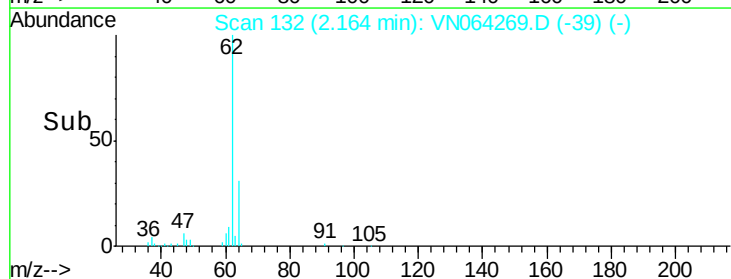
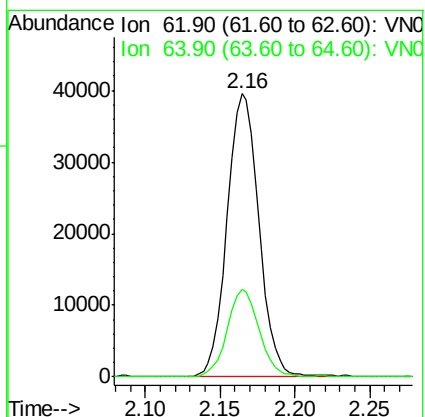
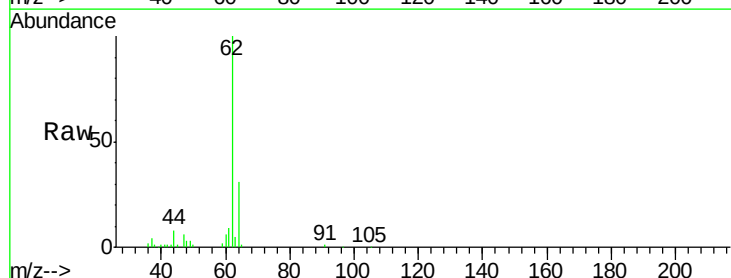
Acq: 22 Oct 2020 22:49

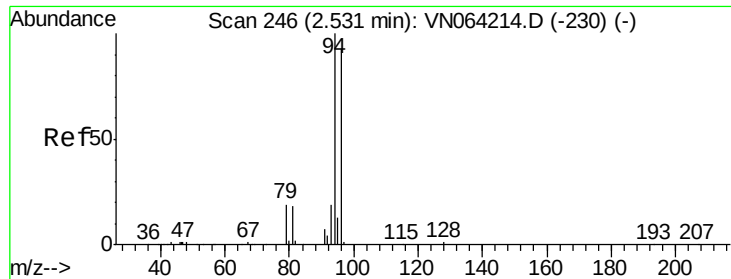
Tgt Ion: 62 Resp: 58671

Ion Ratio Lower Upper

62 100

64 31.1 26.8 40.2





#5

Bromomethane

Concen: 19.348 ug/l

RT: 2.53 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN064269.D

Acq: 22 Oct 2020 22:49

Instrument :

MSVOA_N

ClientSampleId :

VN1022WBSD02

Tot Ion: 94 Resp: 37314

Ion Ratio Lower Upper

94 100

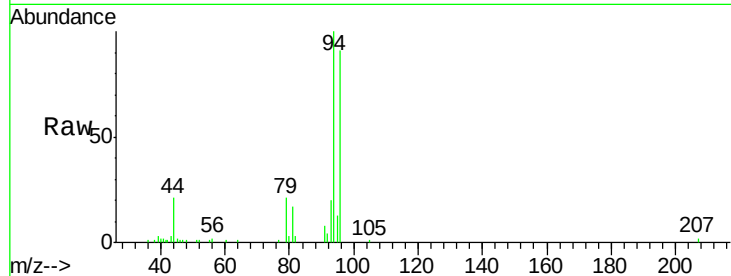
96 91.4 74.2 111.4

Manual Integrations

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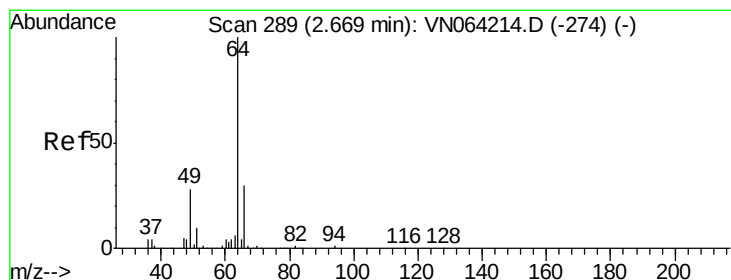
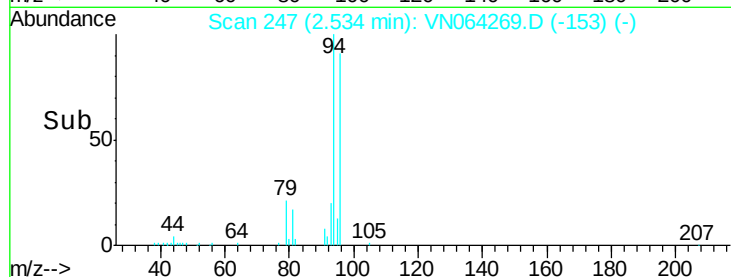
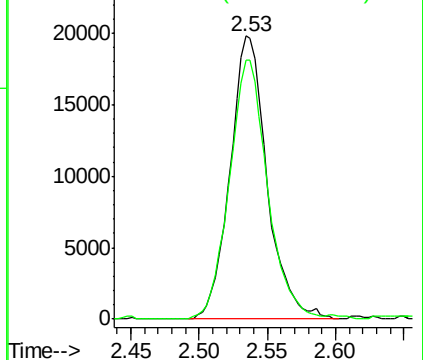
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.095 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.01 min

Lab File: VN064269.D

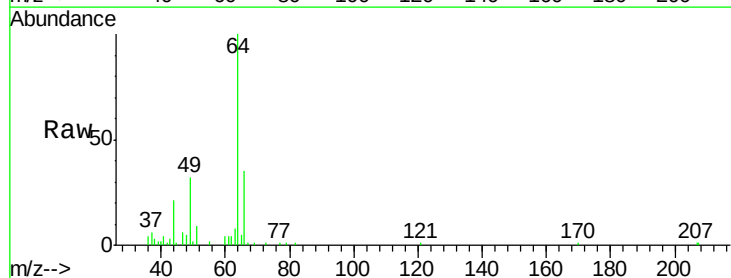
Acq: 22 Oct 2020 22:49

Tgt Ion: 64 Resp: 34392

Ion Ratio Lower Upper

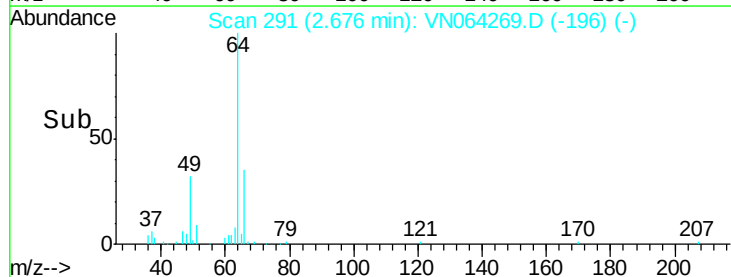
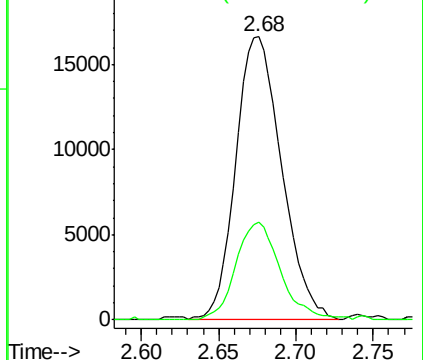
64 100

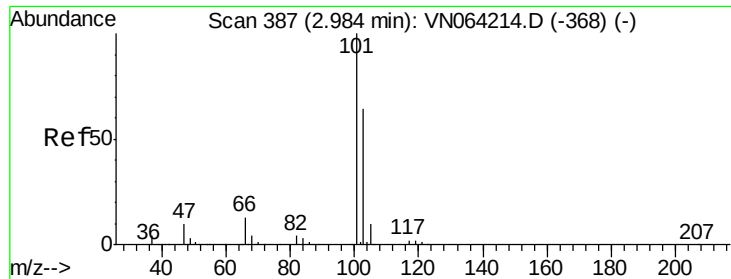
66 34.6 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

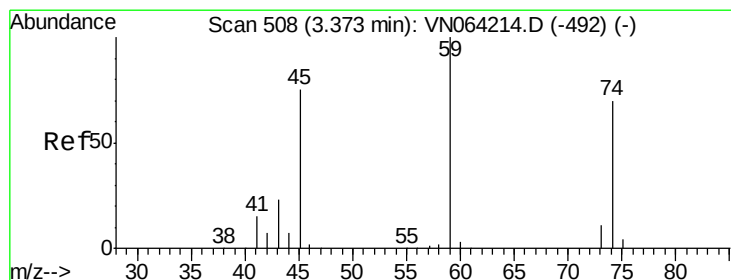
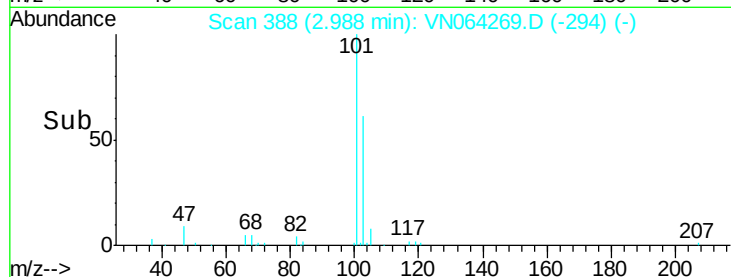
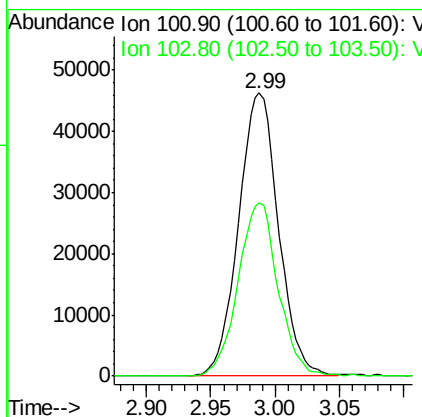
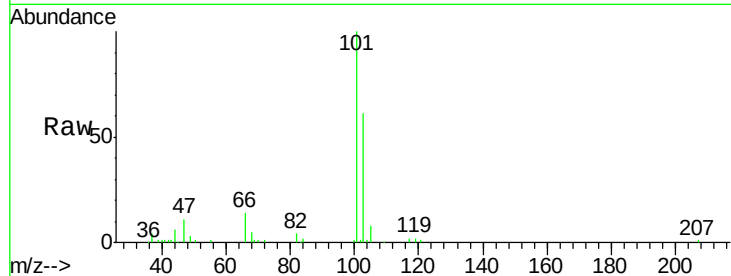
Trichlorofluoromethane
 Concen: 20.507 ug/l
 RT: 2.99 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN064269.D
 Acq: 22 Oct 2020 22:49

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		99777		
103	61.3	51.0	76.6		

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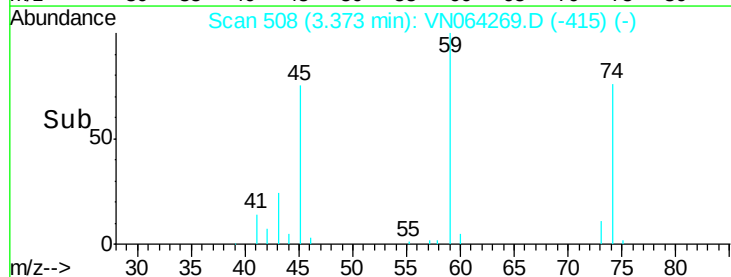
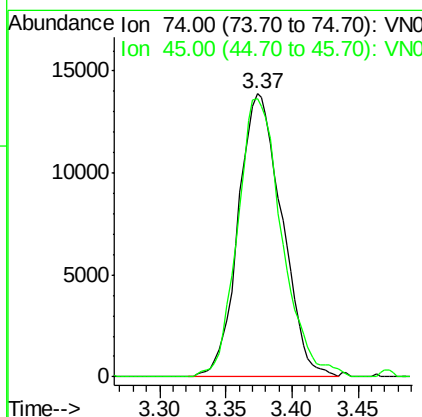
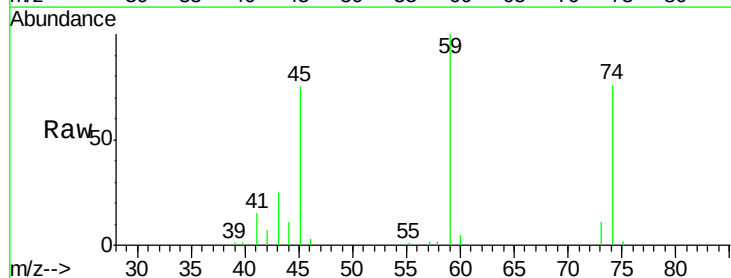
MMDadoda
 10/23/2020 3:36:27 PM

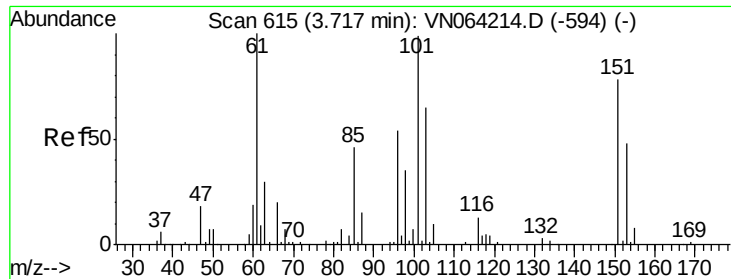


#8

Diethyl Ether
 Concen: 19.717 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN064269.D
 Acq: 22 Oct 2020 22:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		31735		
45	100.1	51.3	154.0		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.985 ug/l

RT: 3.72 min Scan# 617

Delta R.T. 0.01 min

Lab File: VN064269.D

Acq: 22 Oct 2020 22:49

Instrument :

MSVOA_N

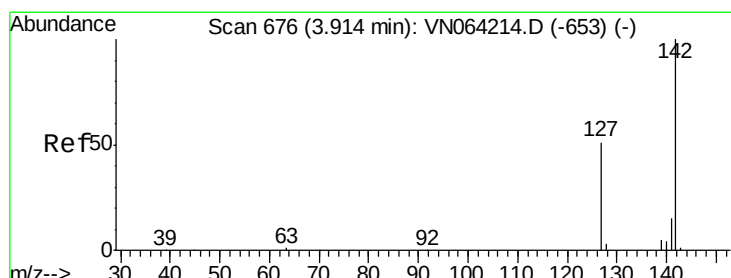
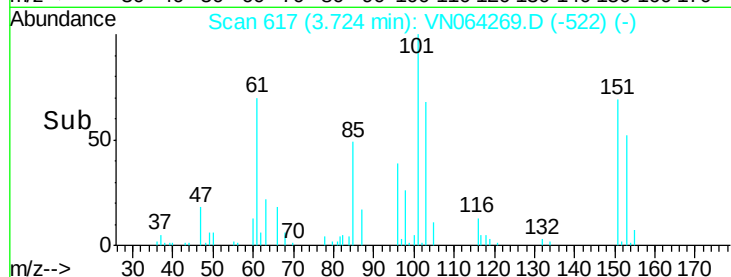
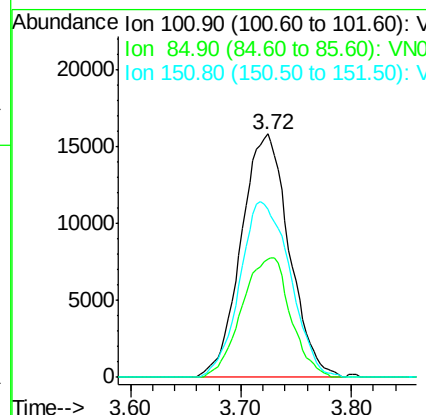
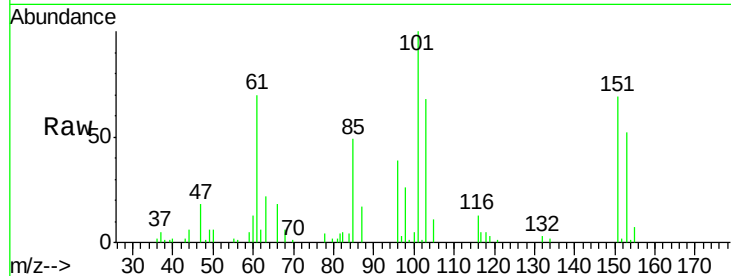
ClientSampleId :

VN1022WBSD02

Tot Ion:	101	Resp:	47768
Ion Ratio	Lower	Upper	
101	100		
85	49.7	37.8	56.8
151	75.5	61.4	92.2

Manual Integrations
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MMDadoda
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#10

Methyl Iodide

Concen: 18.165 ug/l

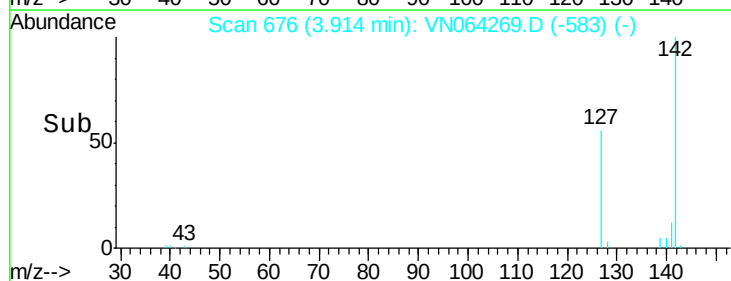
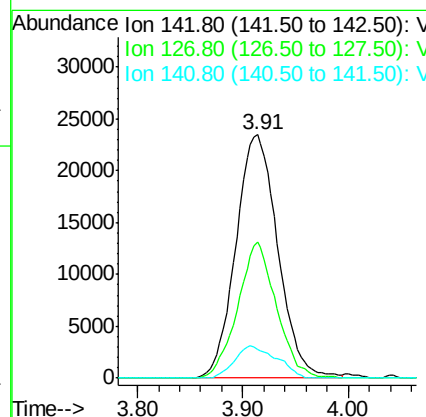
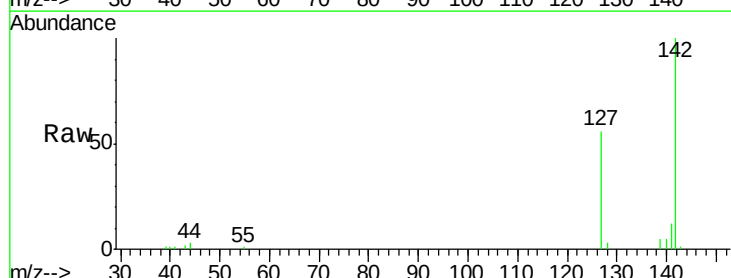
RT: 3.91 min Scan# 676

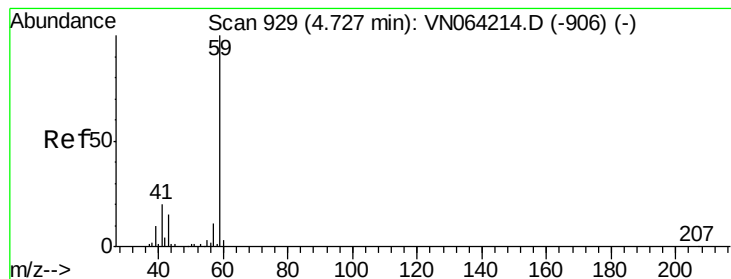
Delta R.T. -0.00 min

Lab File: VN064269.D

Acq: 22 Oct 2020 22:49

Tgt Ion:	142	Resp:	64994
Ion Ratio	Lower	Upper	
142	100		
127	51.3	41.0	61.6
141	13.2	11.3	16.9





#11

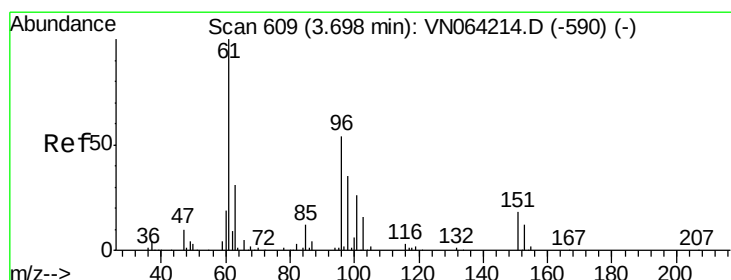
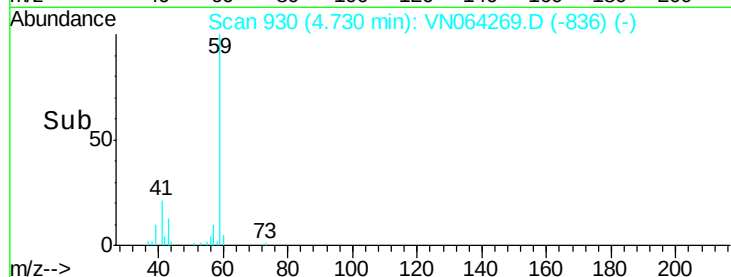
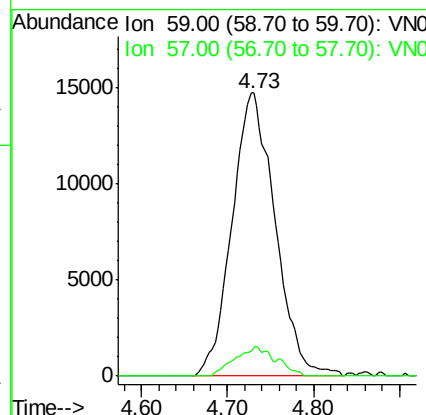
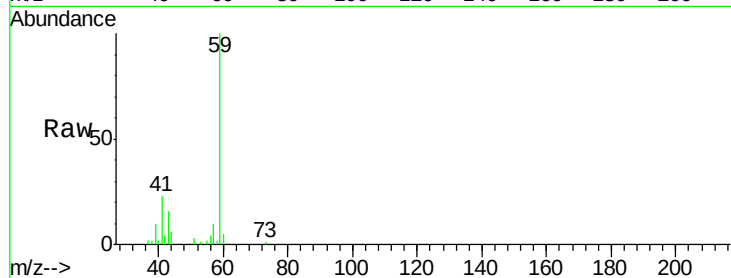
Tert butyl alcohol
 Concen: 99.858 ug/l
 RT: 4.73 min Scan# 930
 Delta R.T. 0.00 min
 Lab File: VN064269.D
 Acq: 22 Oct 2020 22:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1022WBSD02

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.4	9.2	13.8#

Manual Integrations
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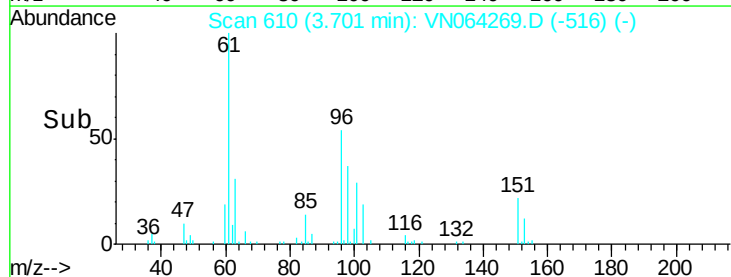
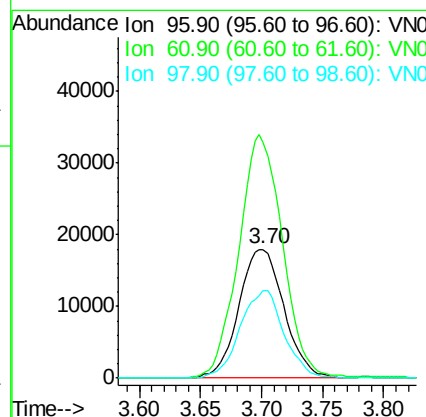
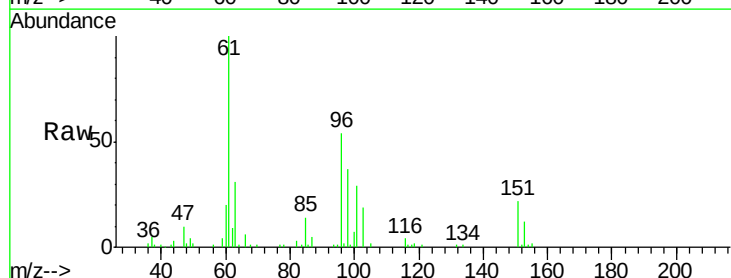
MMDadoda
 10/23/2020 3:36:27 PM

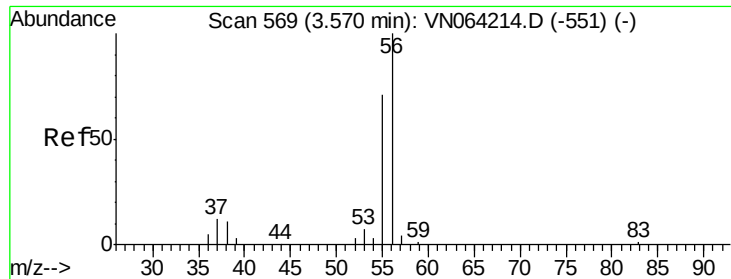


#12

1,1-Dichloroethene
 Concen: 19.007 ug/l
 RT: 3.70 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VN064269.D
 Acq: 22 Oct 2020 22:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	182.9	147.0	220.4
98	67.8	51.7	77.5





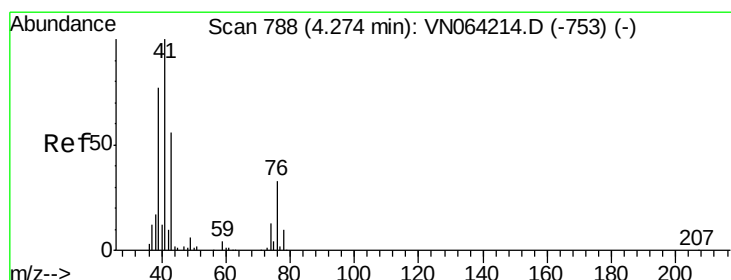
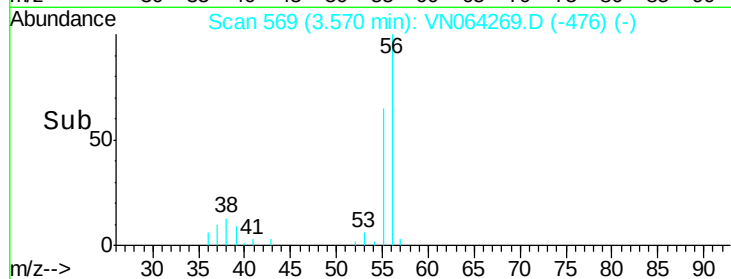
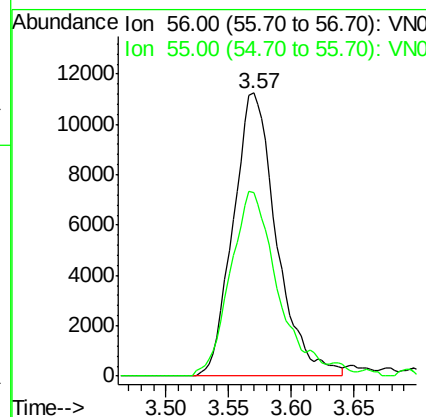
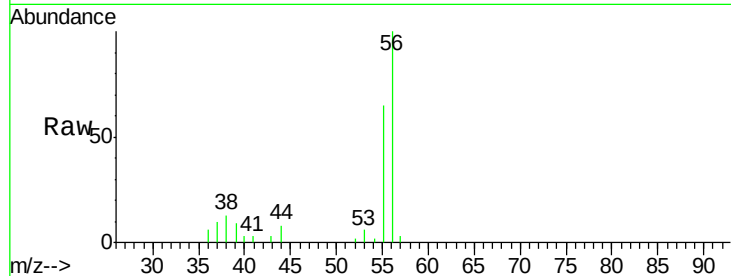
#13
Acrolein
Concen: 83.901 ug/l
RT: 3.57 min Scan# 569
Delta R.T. -0.00 min
Lab File: VN064269.D
Acq: 22 Oct 2020 22:49

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD02

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.7	56.1	84.1

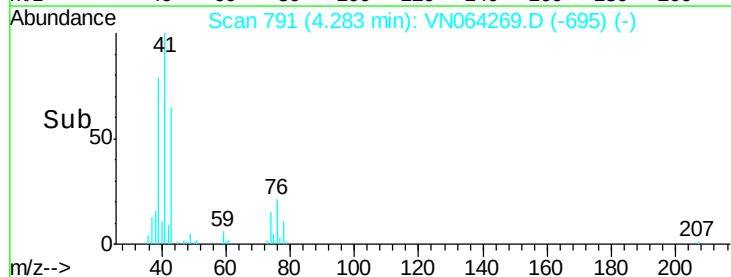
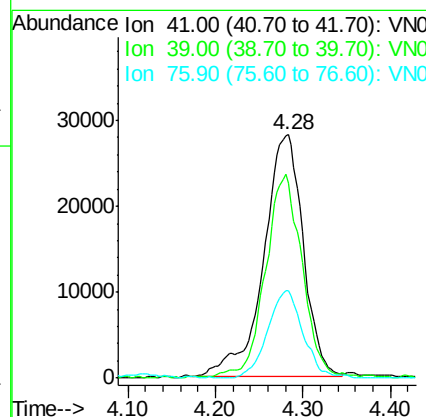
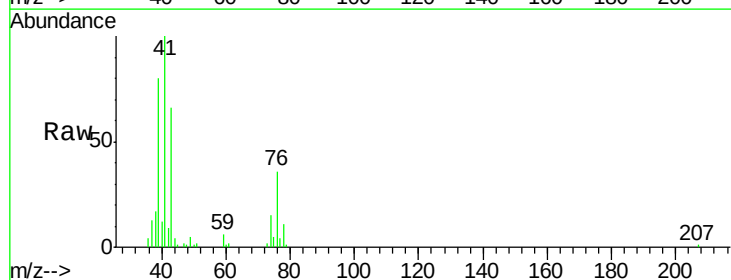
Manual Integrations
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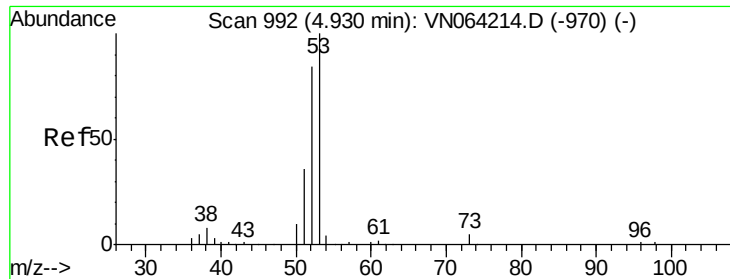
MMDadoda
10/23/2020 3:36:27 PM



#14
Allyl chloride
Concen: 18.190 ug/l
RT: 4.28 min Scan# 791
Delta R.T. 0.01 min
Lab File: VN064269.D
Acq: 22 Oct 2020 22:49

Tgt Ion	Ratio	Lower	Upper
41	100		
39	77.2	58.6	88.0
76	32.2	24.5	36.7





#15

Acrylonitrile

Concen: 95.996 ug/l

RT: 4.93 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN064269.D

Acq: 22 Oct 2020 22:49

Instrument :

MSVOA_N

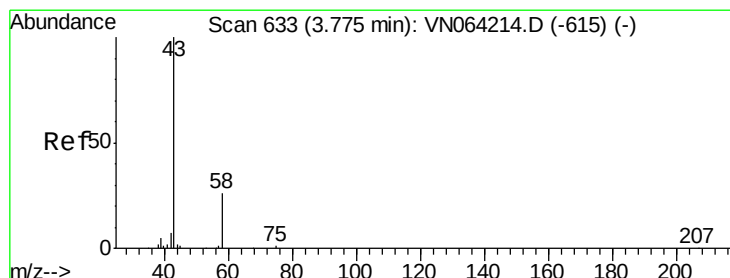
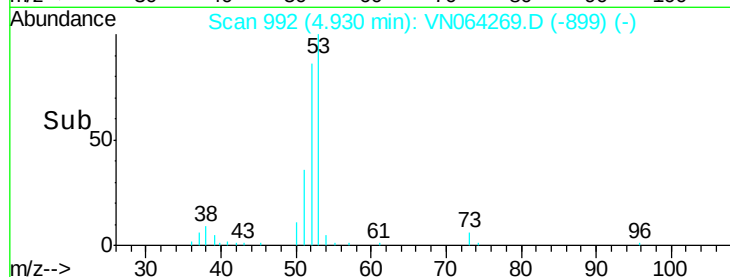
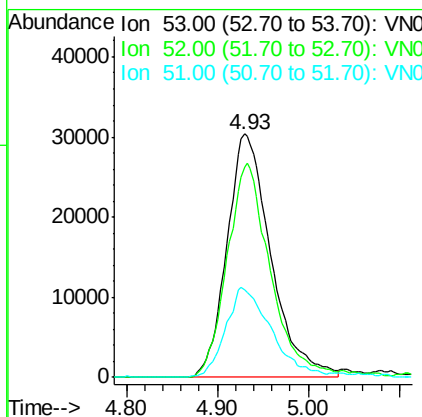
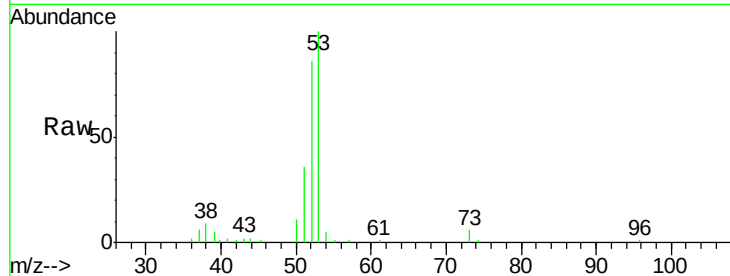
ClientSampleId :

VN1022WBSD02

Tot Ion:	53	Resp:	101891
Ion	Ratio	Lower	Upper
53	100		
52	85.9	66.8	100.2
51	38.1	30.7	46.1

Manual Integrations
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#16

Acetone

Concen: 96.740 ug/l

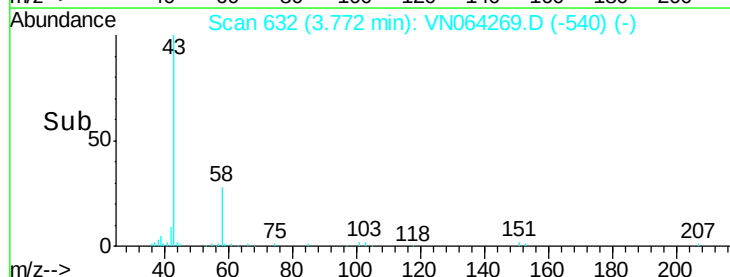
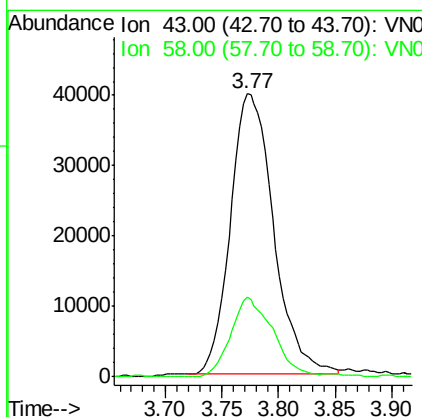
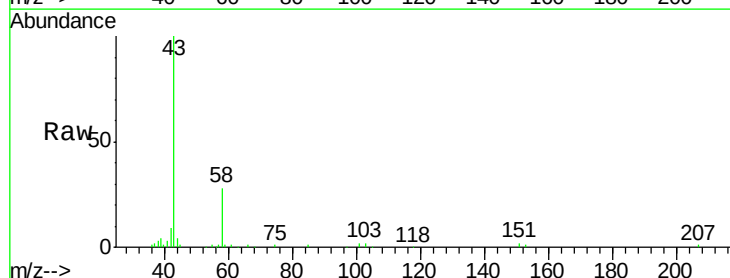
RT: 3.77 min Scan# 632

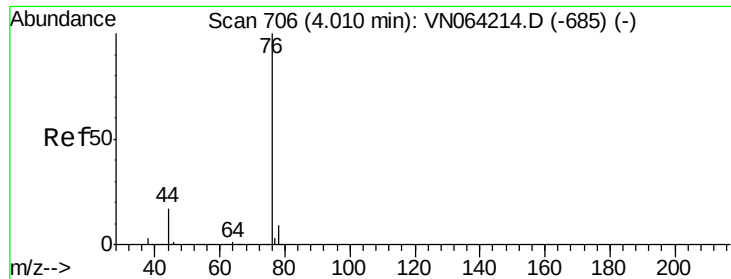
Delta R.T. -0.00 min

Lab File: VN064269.D

Acq: 22 Oct 2020 22:49

Tgt Ion:	43	Resp:	106140
Ion	Ratio	Lower	Upper
43	100		
58	28.5	21.0	31.4





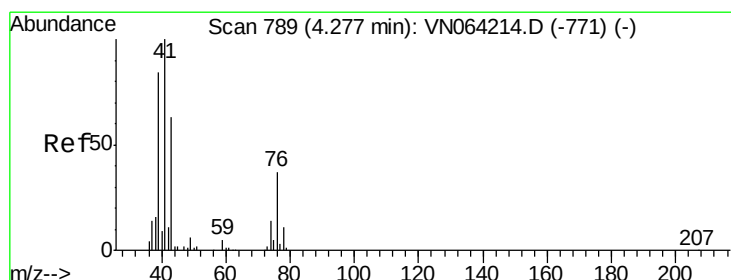
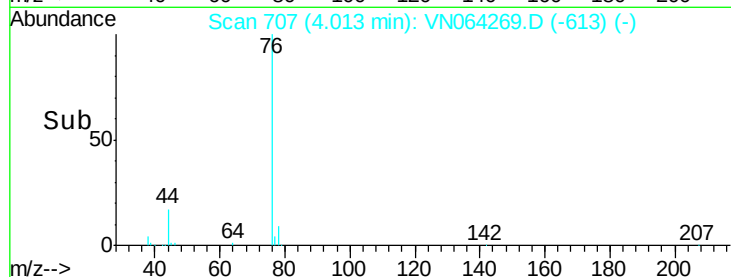
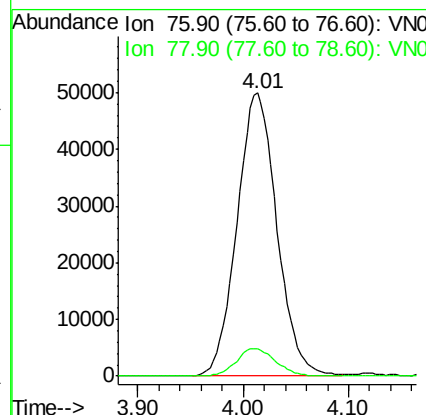
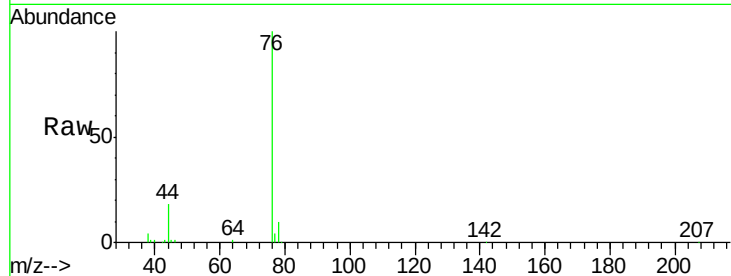
#17
Carbon Disulfide
Concen: 19.014 ug/l
RT: 4.01 min Scan# 707
Delta R.T. 0.00 min
Lab File: VN064269.D
Acq: 22 Oct 2020 22:49

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD02

Tot Ion: 76 Resp: 131252
Ion Ratio Lower Upper
76 100
78 9.6 7.1 10.7

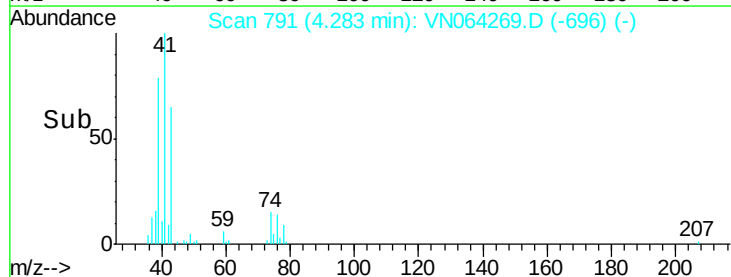
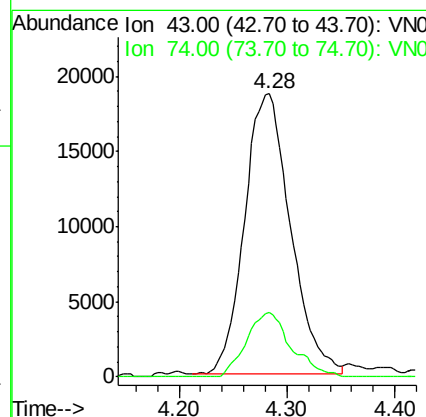
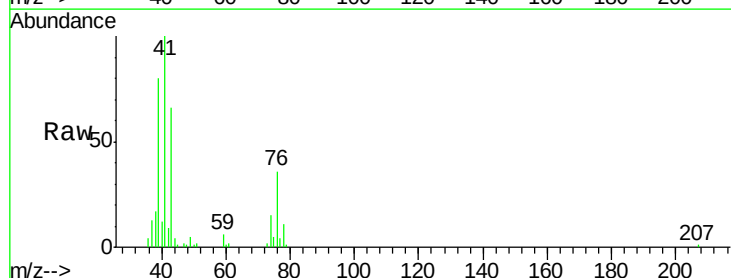
Manual Integrations
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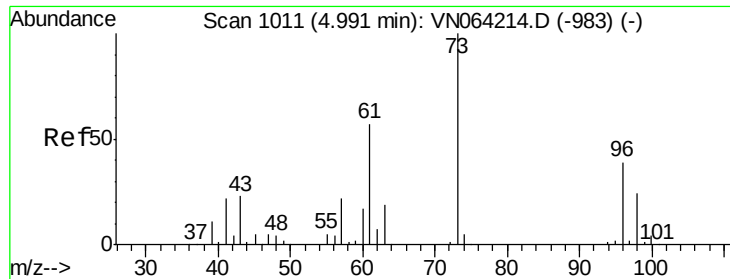
MMDadoda
10/23/2020 3:36:27 PM



#18
Methyl Acetate
Concen: 19.805 ug/l
RT: 4.28 min Scan# 791
Delta R.T. 0.01 min
Lab File: VN064269.D
Acq: 22 Oct 2020 22:49

Tgt Ion: 43 Resp: 55371
Ion Ratio Lower Upper
43 100
74 22.5 17.9 26.9





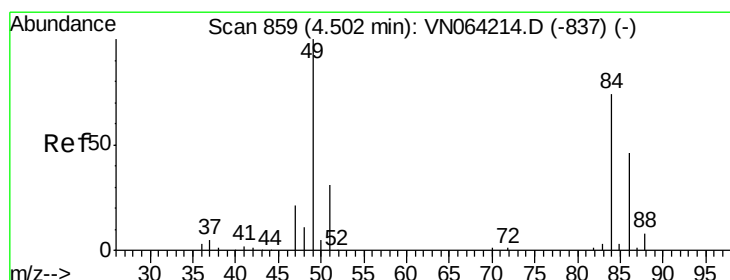
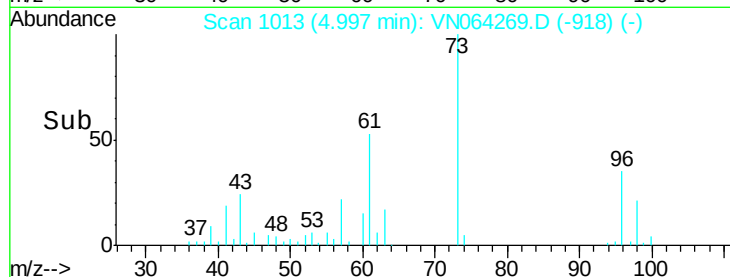
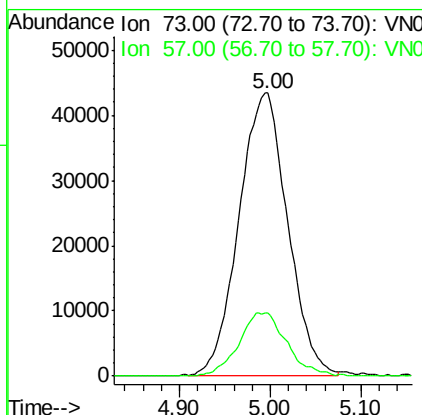
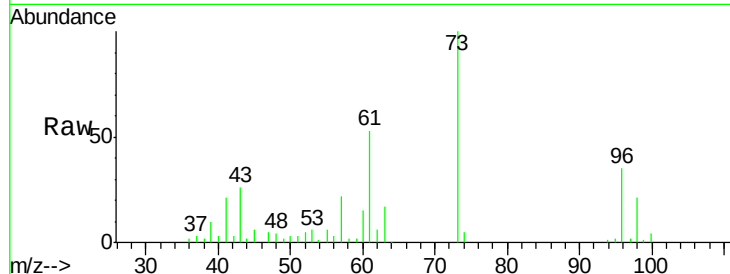
#19
Methyl tert-butyl Ether
Concen: 19.253 ug/l
RT: 5.00 min Scan# 1013
Delta R.T. 0.01 min
Lab File: VN064269.D
Acq: 22 Oct 2020 22:49

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD02

Tot Ion: 73 Resp: 160184
Ion Ratio Lower Upper
73 100
57 22.6 18.0 27.0

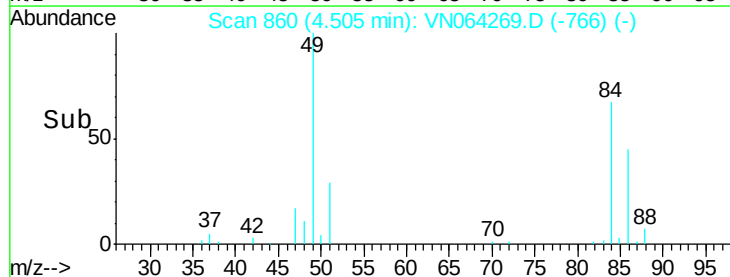
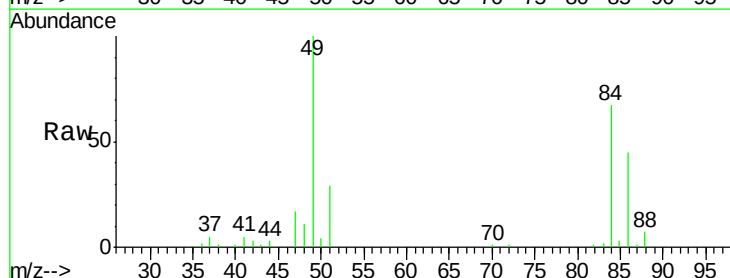
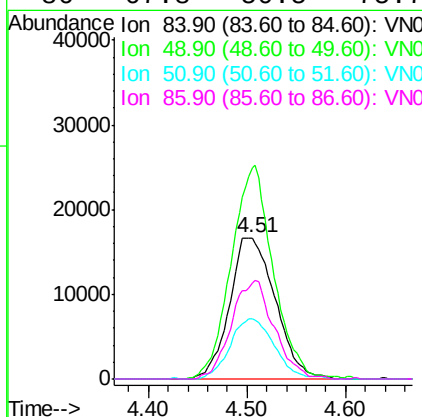
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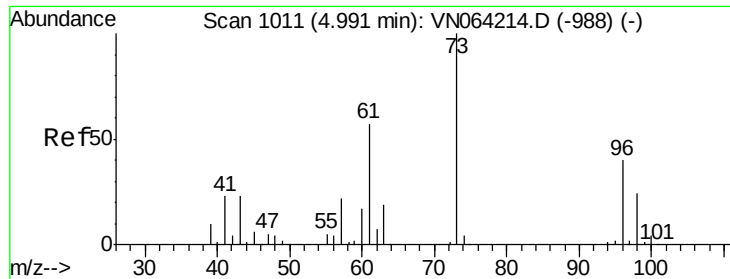
MMDadoda
10/23/2020 3:36:27 PM



#20
Methylene Chloride
Concen: 18.305 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN064269.D
Acq: 22 Oct 2020 22:49

Tgt Ion: 84 Resp: 53554
Ion Ratio Lower Upper
84 100
49 148.8 108.5 162.7
51 43.0 33.8 50.8
86 67.8 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 19.358 ug/l

RT: 4.99 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VN064269.D

Acq: 22 Oct 2020 22:49

Instrument :

MSVOA_N

ClientSampleId :

VN1022WBSD02

Tot Ion: 96 Resp: 51659

Ion Ratio Lower Upper

96 100

61 151.2 115.8 173.6

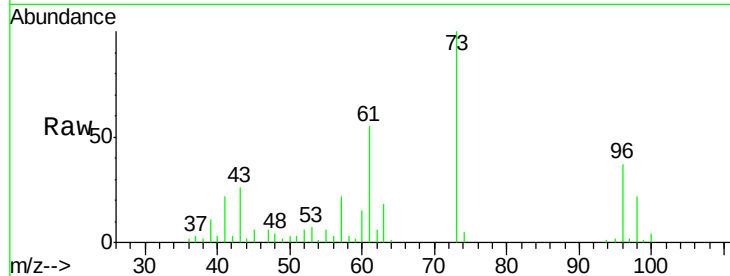
98 59.4 49.4 74.0

Manual Integrations

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MMDadoda

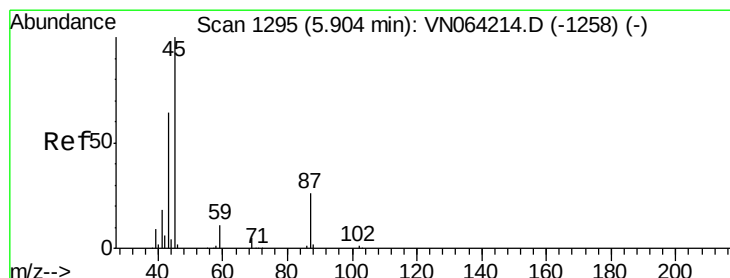
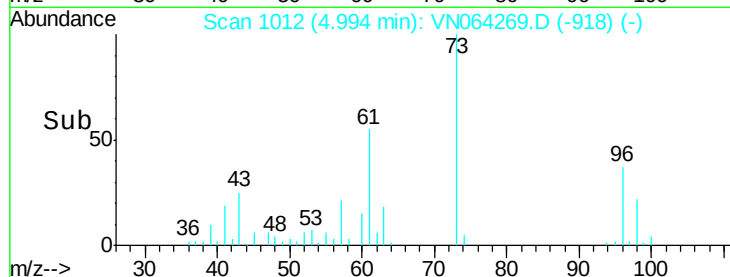
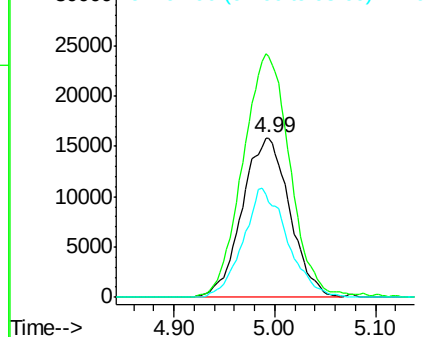
10/23/2020 3:36:27 PM



Abundance Ion 95.90 (95.60 to 96.60): VN064214.D (-988) (-)

Ion 60.90 (60.60 to 61.60): VN064214.D (-988) (-)

Ion 97.90 (97.60 to 98.60): VN064214.D (-988) (-)



#22

Diisopropyl ether

Concen: 18.684 ug/l

RT: 5.90 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VN064269.D

Acq: 22 Oct 2020 22:49

Tgt Ion: 45 Resp: 168233

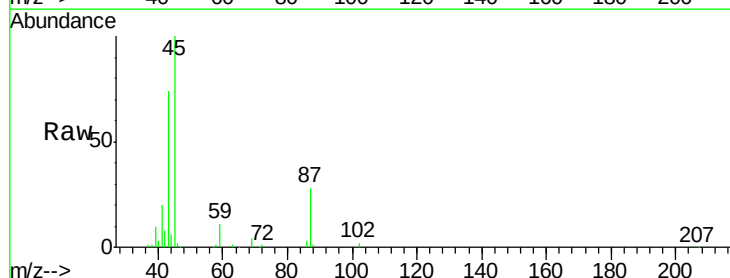
Ion Ratio Lower Upper

45 100

43 70.4 52.2 78.4

87 27.8 21.4 32.0

59 11.0 8.3 12.5

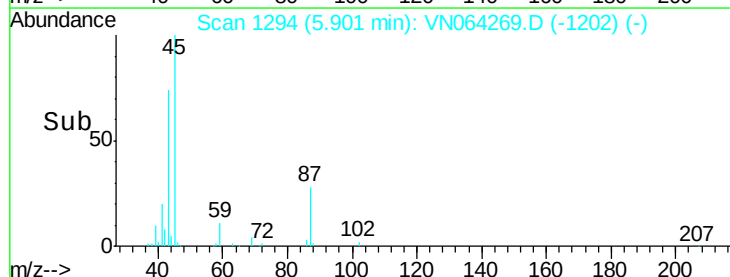
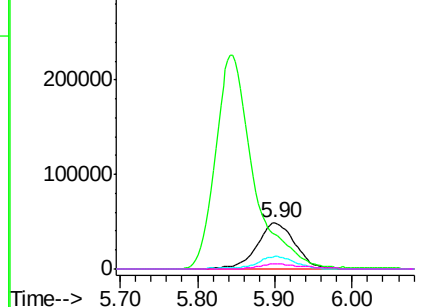


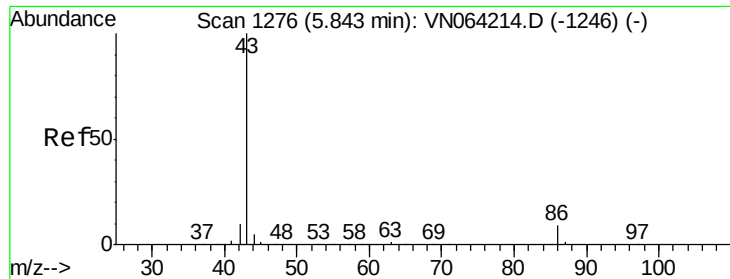
Abundance Ion 45.00 (44.70 to 45.70): VN064214.D (-1258) (-)

Ion 43.00 (42.70 to 43.70): VN064214.D (-1258) (-)

Ion 87.00 (86.70 to 87.70): VN064214.D (-1258) (-)

Ion 59.00 (58.70 to 59.70): VN064214.D (-1258) (-)





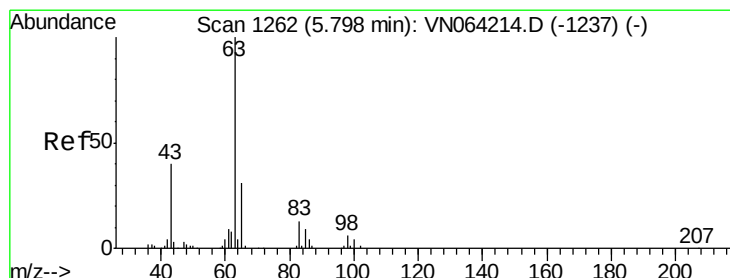
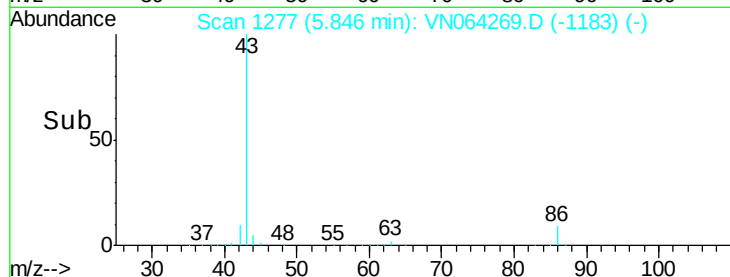
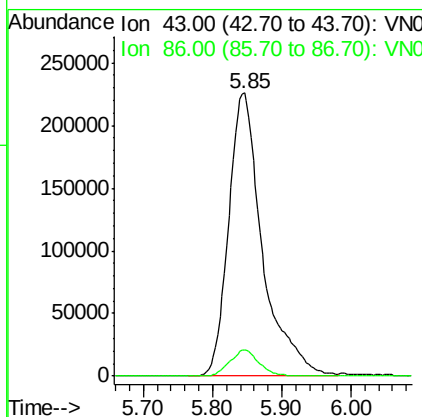
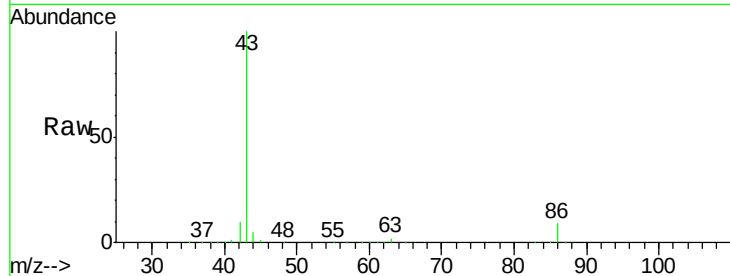
#23
 Vinyl Acetate
 Concen: 95.928 ug/l
 RT: 5.85 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VN064269.D
 Acq: 22 Oct 2020 22:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1022WBSD02

Tot Ion	43	Resp	770274
Ion Ratio	100	Lower	Upper
43	100		
86	9.3	7.4	11.0

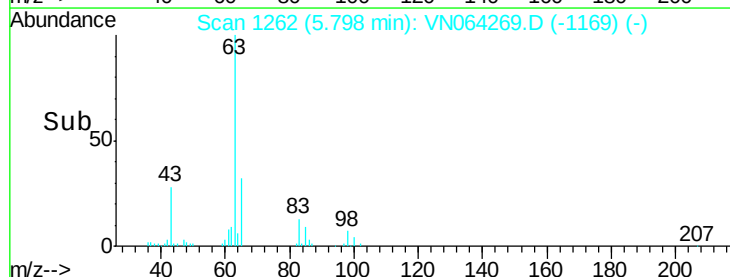
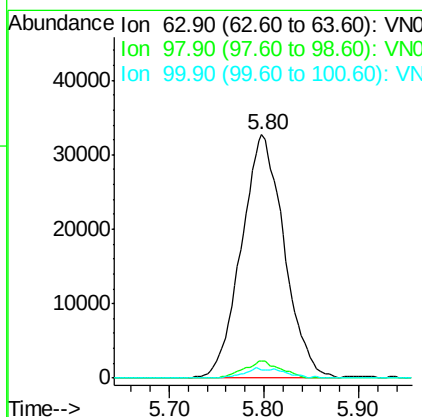
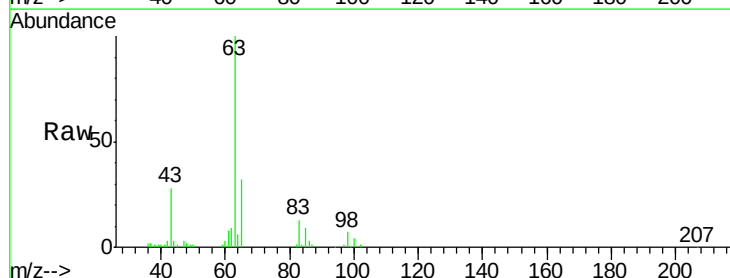
Manual Integrations
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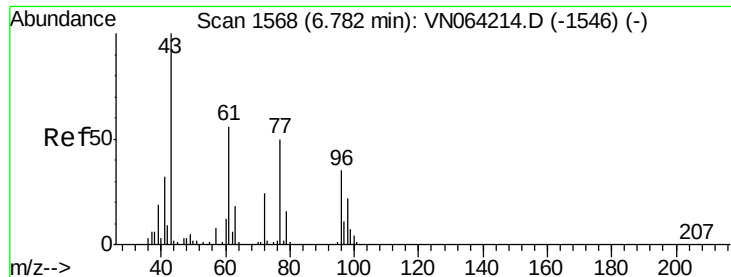
MMDadoda
 10/23/2020 3:36:27 PM



#24
 1,1-Dichloroethane
 Concen: 19.639 ug/l
 RT: 5.80 min Scan# 1262
 Delta R.T. -0.00 min
 Lab File: VN064269.D
 Acq: 22 Oct 2020 22:49

Tgt Ion	63	Resp	102438
Ion Ratio	100	Lower	Upper
63	100		
98	7.1	2.9	8.7
100	3.6	2.0	6.0





#25

2-Butanone

Concen: 96.740 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN064269.D

Acq: 22 Oct 2020 22:49

Instrument :

MSVOA_N

ClientSampleId :

VN1022WBSD02

Tot Ion: 43 Resp: 168632

Ion Ratio Lower Upper

43 100

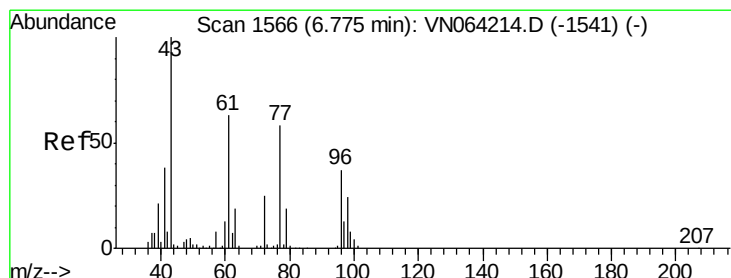
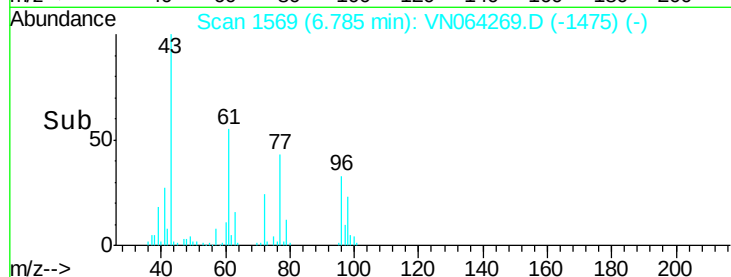
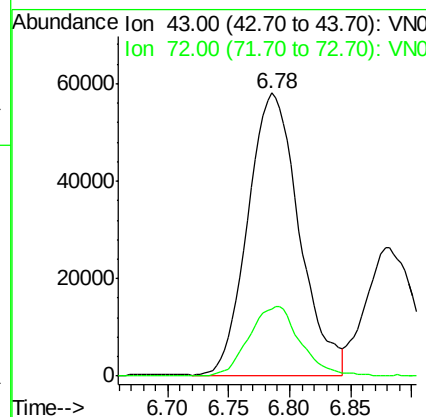
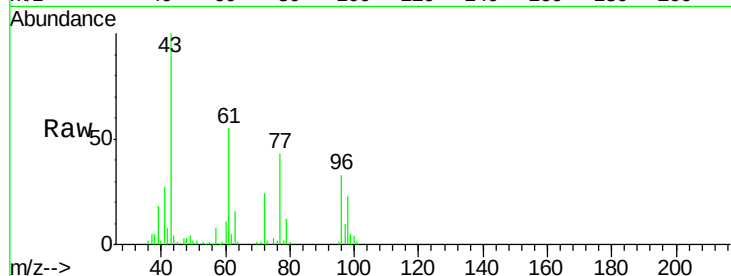
72 24.0 19.4 29.0

Manual Integrations

APPROVED

MMDadoda

10/23/2020 3:36:27 PM



#26

2,2-Dichloropropane

Concen: 17.053 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN064269.D

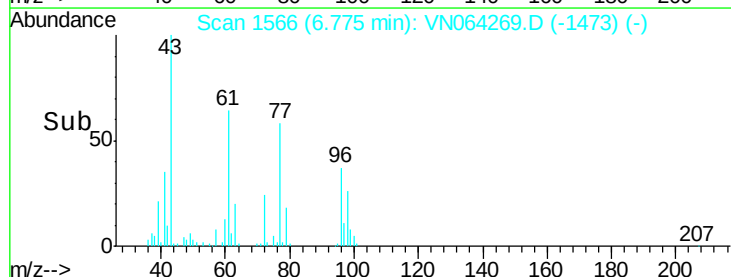
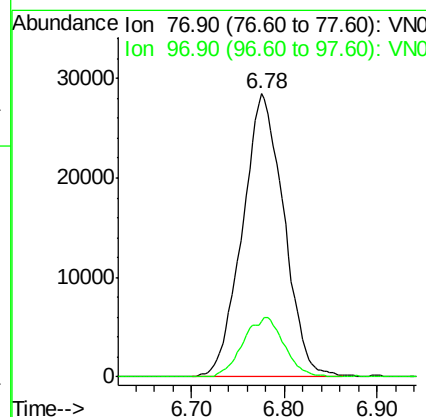
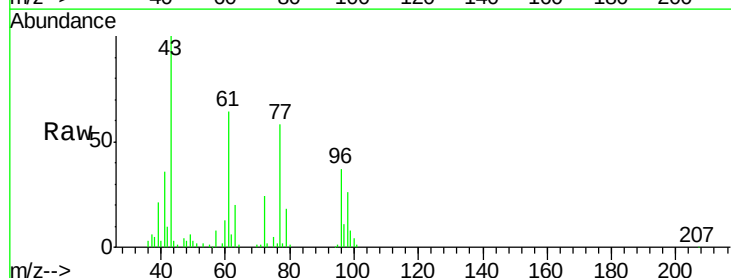
Acq: 22 Oct 2020 22:49

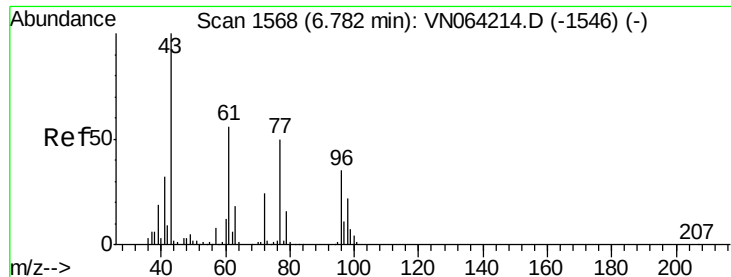
Tgt Ion: 77 Resp: 88551

Ion Ratio Lower Upper

77 100

97 20.6 10.4 31.4





#27

cis-1,2-Dichloroethene

Concen: 19.008 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN064269.D

Acq: 22 Oct 2020 22:49

Instrument :

MSVOA_N

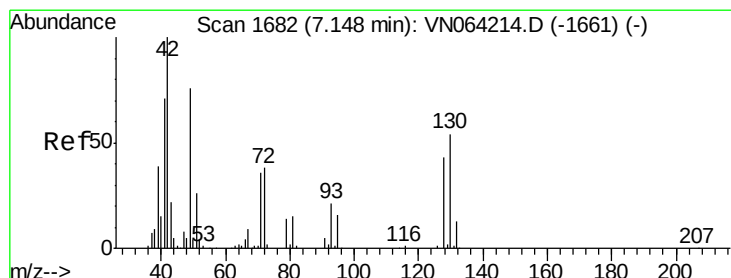
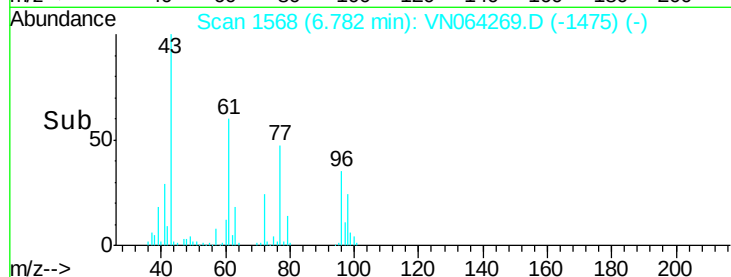
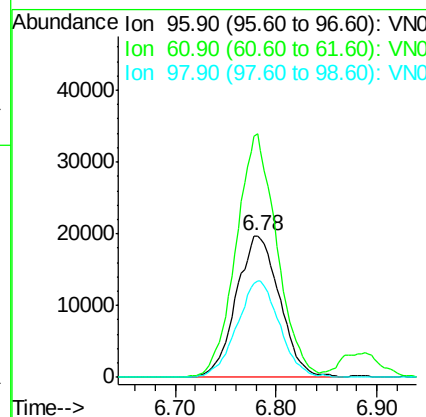
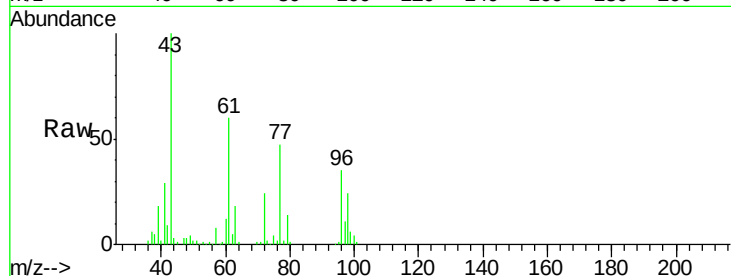
ClientSampleId :

VN1022WBSD02

Tot Ion:	96	Resp:	59071
Ion	Ratio	Lower	Upper
96	100		
61	161.3	0.0	330.0
98	65.9	0.0	130.6

Manual Integrations
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#28

Bromochloromethane

Concen: 21.534 ug/l

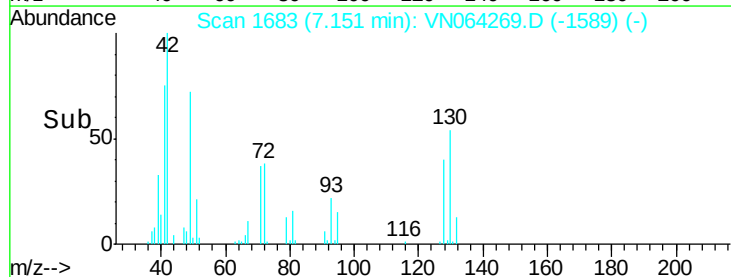
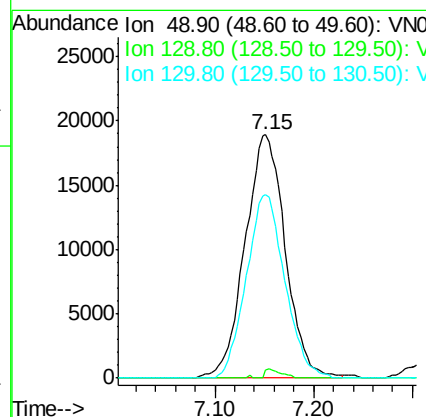
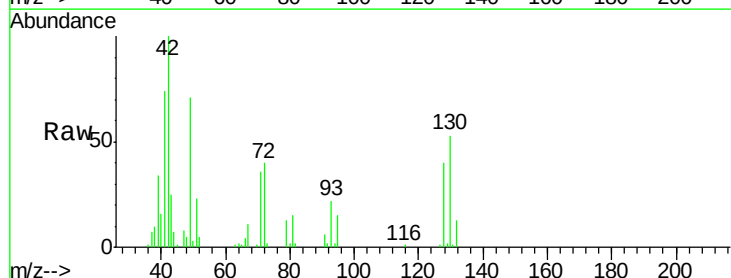
RT: 7.15 min Scan# 1683

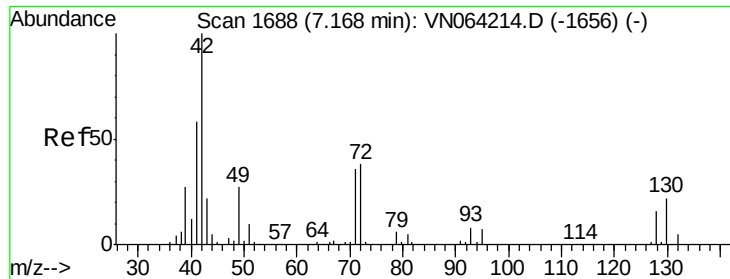
Delta R.T. 0.00 min

Lab File: VN064269.D

Acq: 22 Oct 2020 22:49

Tgt Ion:	49	Resp:	53359
Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	2.8
130	72.2	58.8	88.2





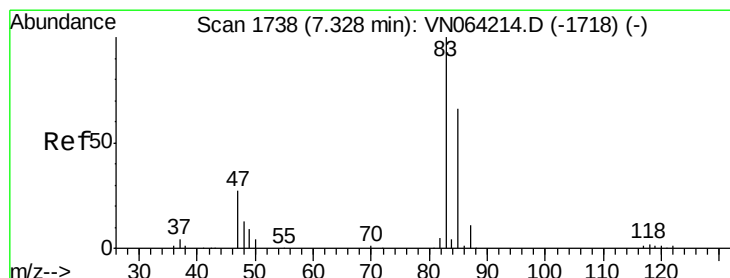
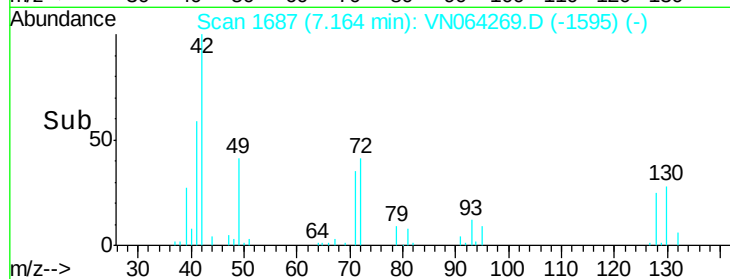
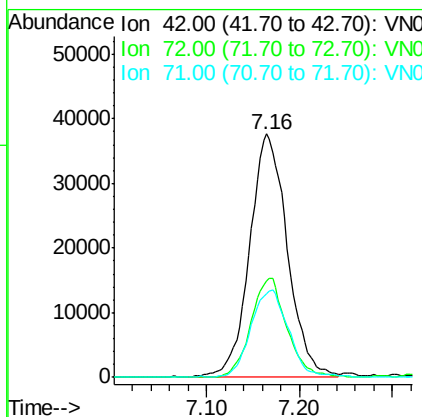
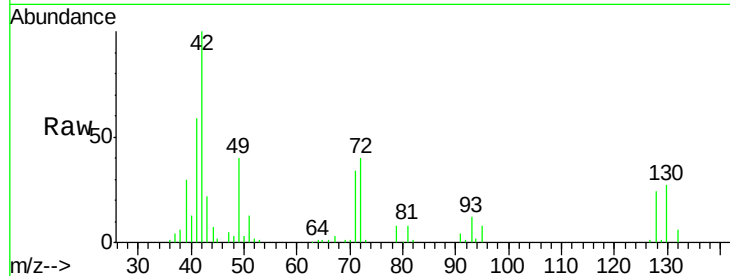
#29
Tetrahydrofuran
Concen: 102.277 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VN064269.D
Acq: 22 Oct 2020 22:49

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.5	30.8	46.2
71	35.5	29.0	43.6

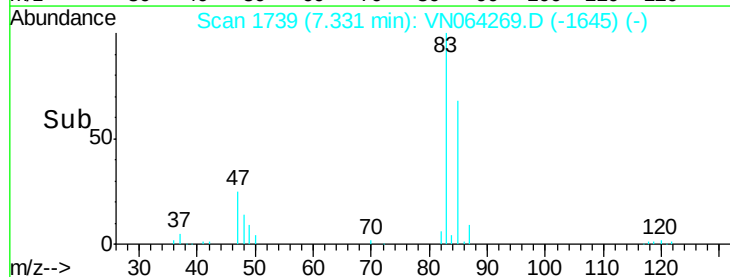
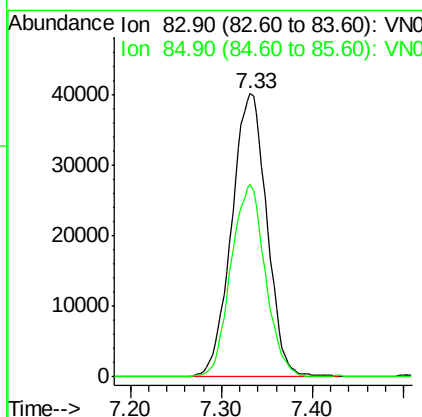
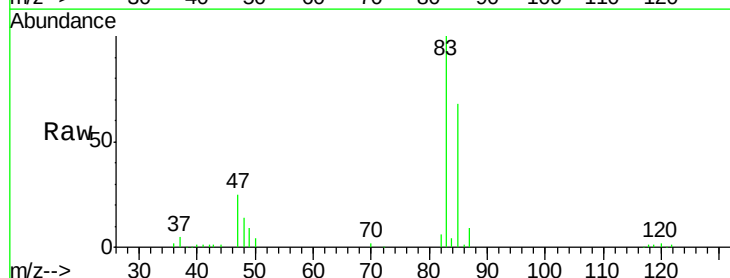
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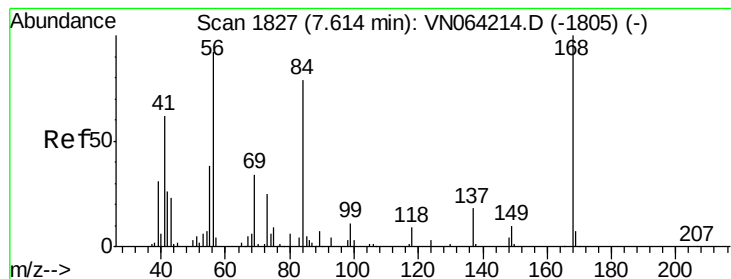
MMDadoda
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#30
Chloroform
Concen: 19.408 ug/l
RT: 7.33 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VN064269.D
Acq: 22 Oct 2020 22:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.1	52.5	78.7





#31

Cyclohexane

Concen: 18.275 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN064269.D

Acq: 22 Oct 2020 22:49

Instrument :

MSVOA_N

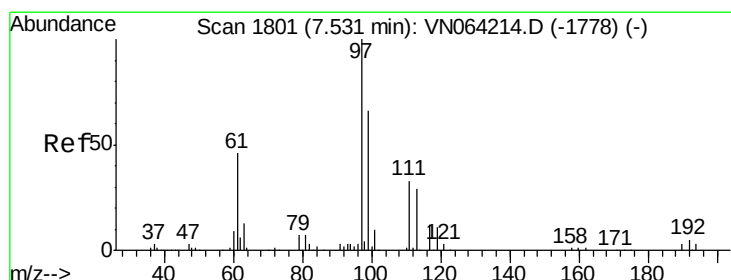
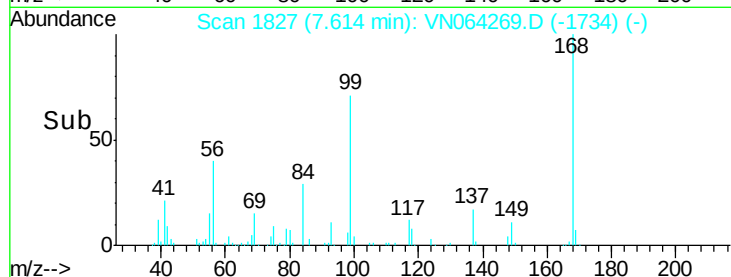
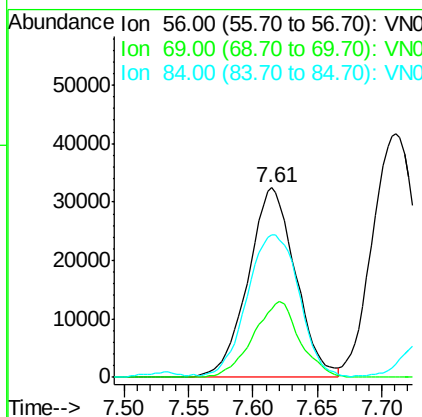
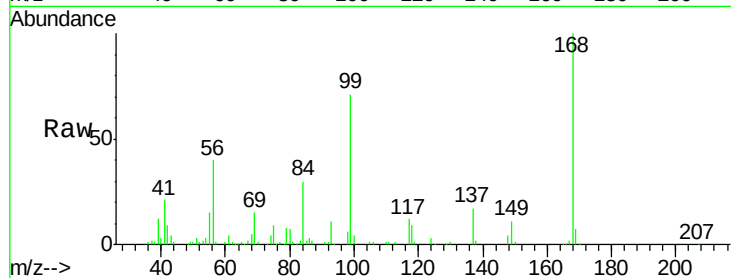
ClientSampleId :

VN1022WBSD02

Tot Ion:	56	Resp:	83074
Ion	Ratio	Lower	Upper
56	100		
69	36.1	29.8	44.6
84	74.2	68.1	102.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.684 ug/l

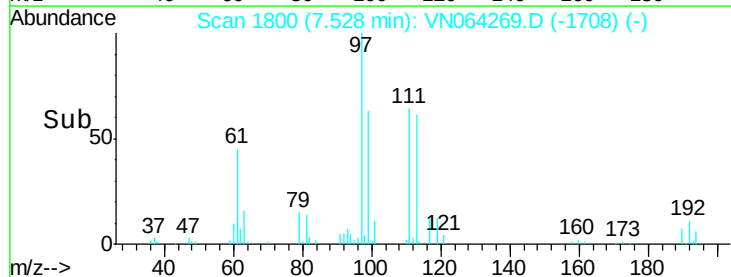
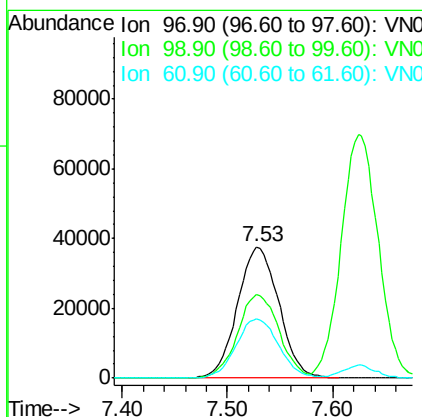
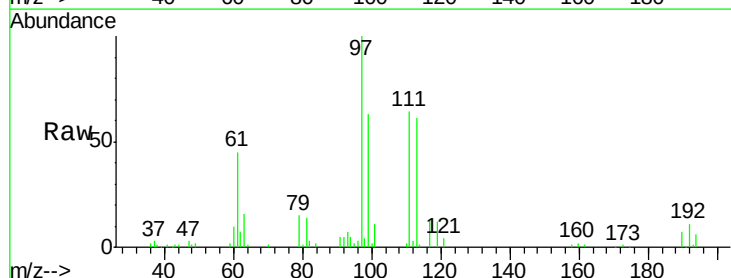
RT: 7.53 min Scan# 1800

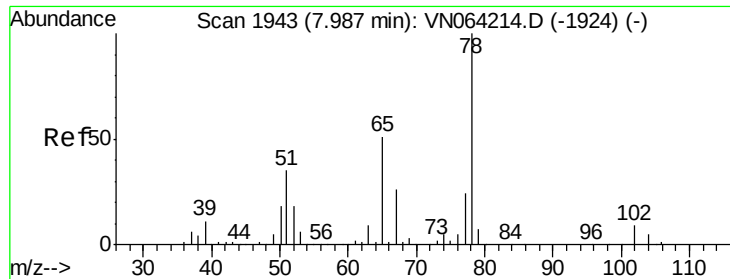
Delta R.T. -0.00 min

Lab File: VN064269.D

Acq: 22 Oct 2020 22:49

Tgt Ion:	97	Resp:	102596
Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.2	76.8
61	46.4	36.3	54.5





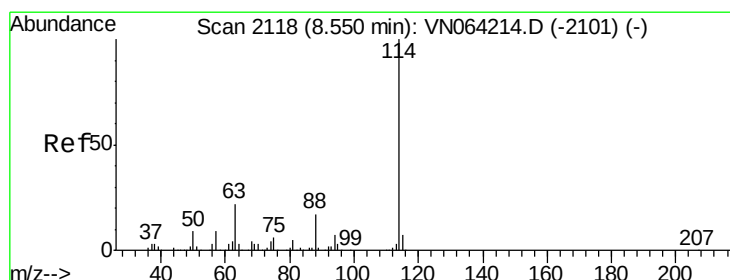
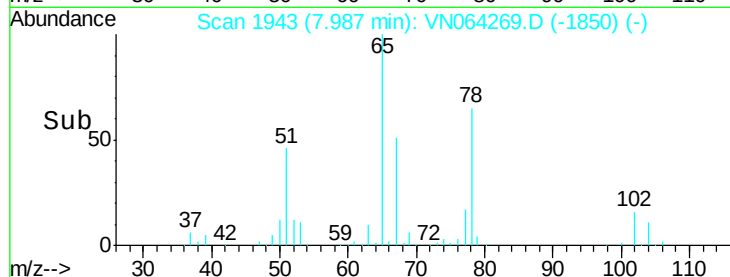
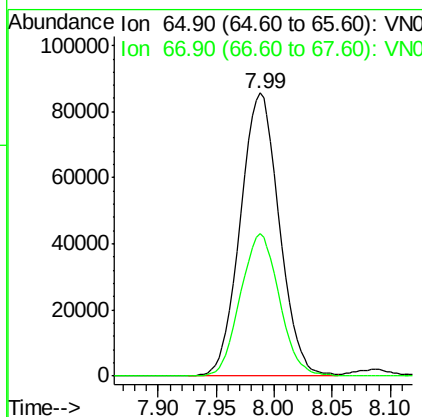
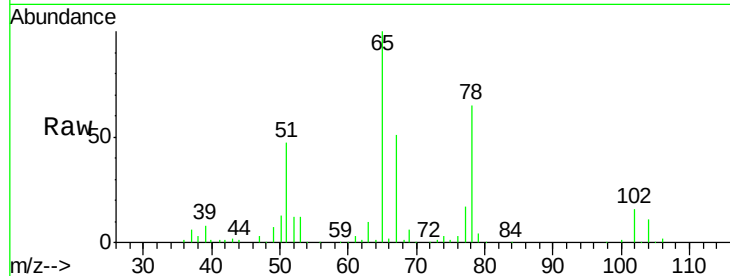
#33
 1,2-Dichloroethane-d4
 Concen: 52.253 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN064269.D
 Acq: 22 Oct 2020 22:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1022WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	200368		
67	50.3	0.0	100.2	

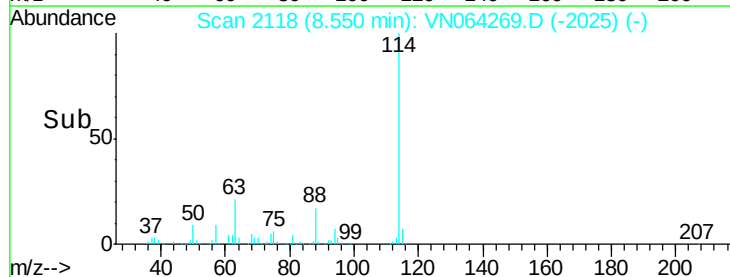
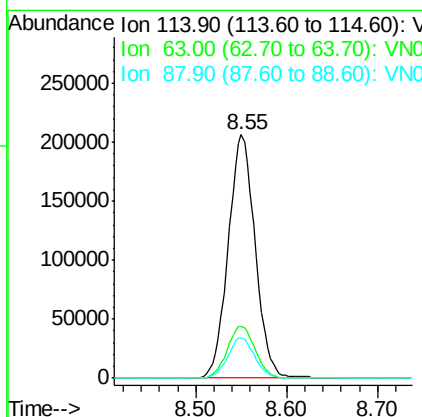
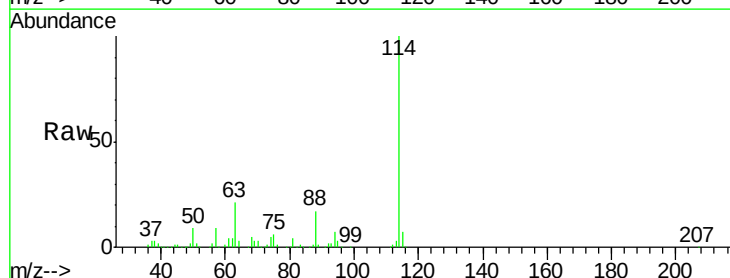
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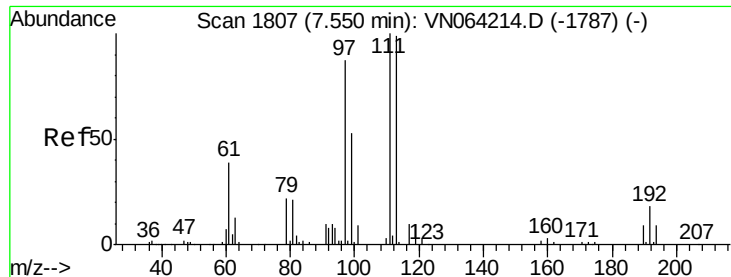
MMDadoda
 10/23/2020 3:36:27 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN064269.D
 Acq: 22 Oct 2020 22:49

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	423900		
63	21.4	0.0	44.0	
88	16.6	0.0	34.2	





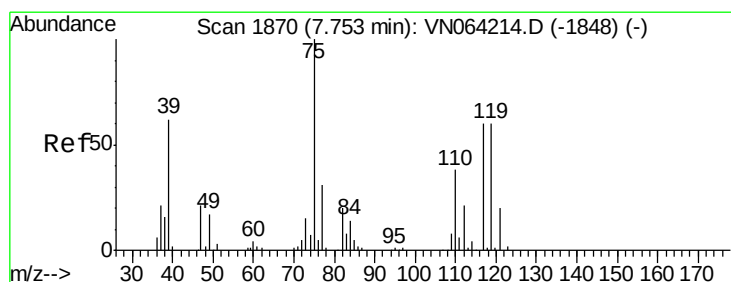
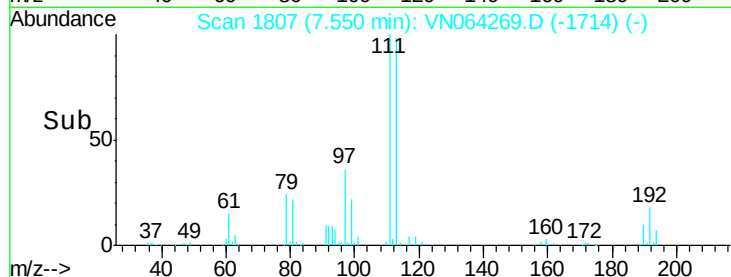
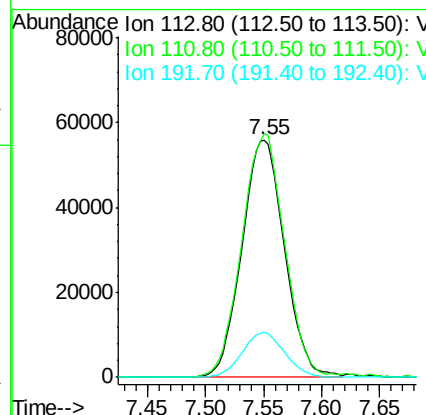
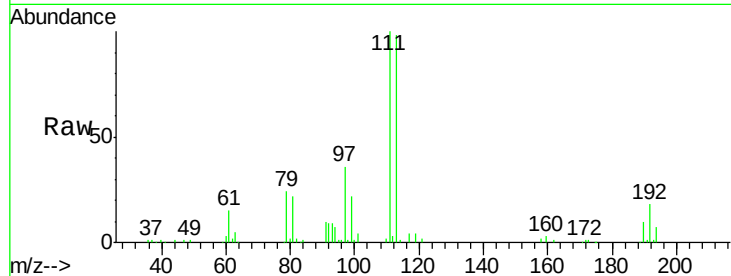
#35
Dibromofluoromethane
Concen: 50.704 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. -0.00 min
Lab File: VN064269.D
Acq: 22 Oct 2020 22:49

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	142898		
111	102.9	84.2	126.2	
192	18.8	15.2	22.8	

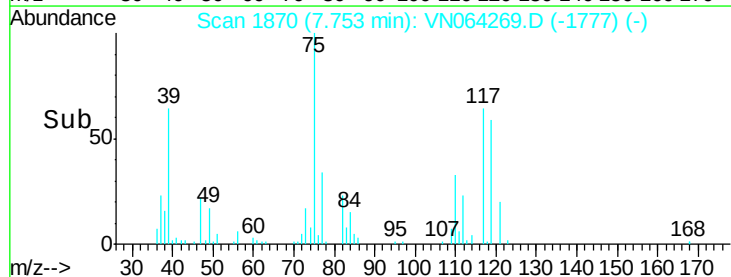
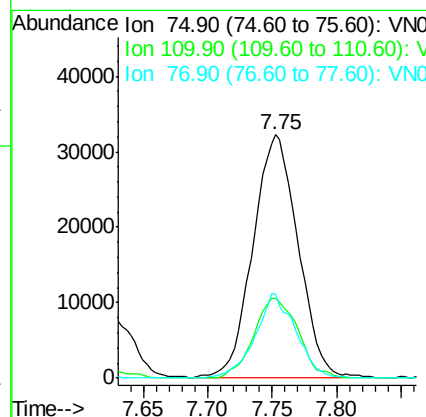
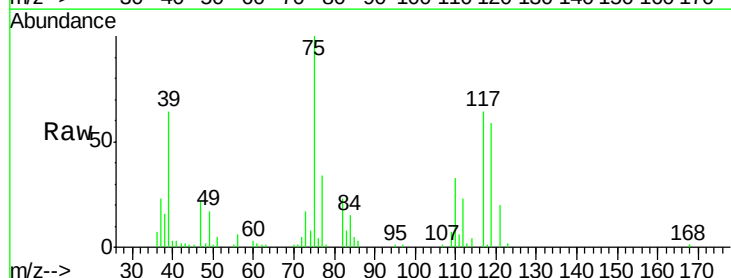
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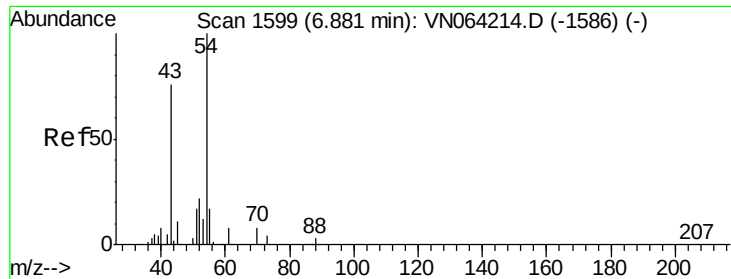
MMDadoda
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#36
1,1-Dichloropropene
Concen: 18.554 ug/l
RT: 7.75 min Scan# 1870
Delta R.T. -0.00 min
Lab File: VN064269.D
Acq: 22 Oct 2020 22:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	78411		
110	32.3	17.2	51.6	
77	31.2	24.9	37.3	





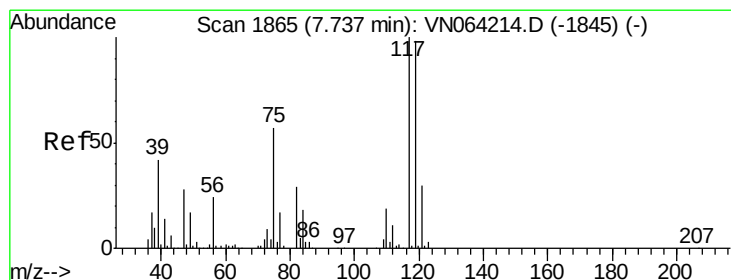
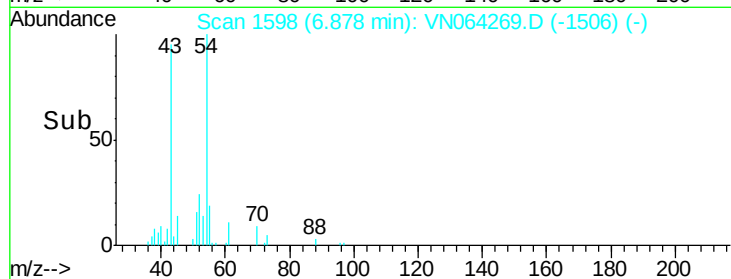
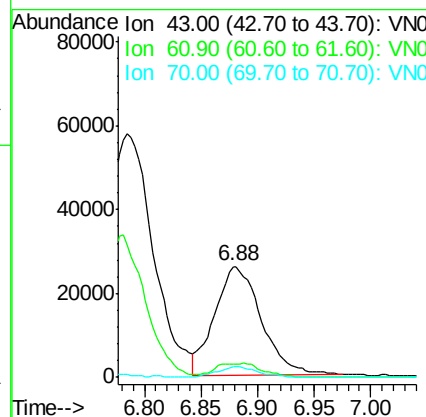
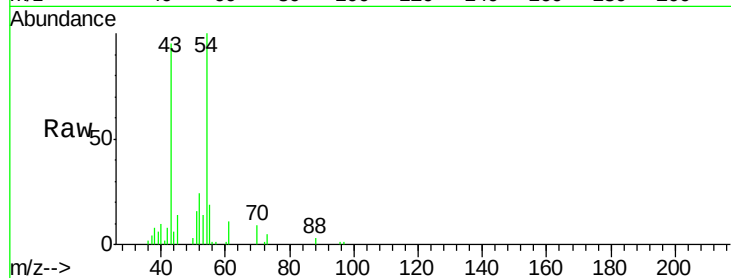
#37
Ethyl Acetate
Concen: 19.289 ug/l
RT: 6.88 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VN064269.D
Acq: 22 Oct 2020 22:49

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.0	15.0
70	8.7	7.5	11.3

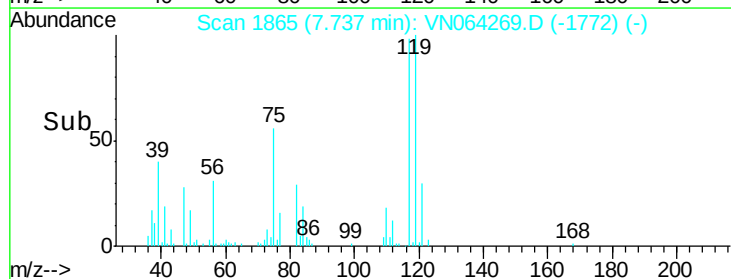
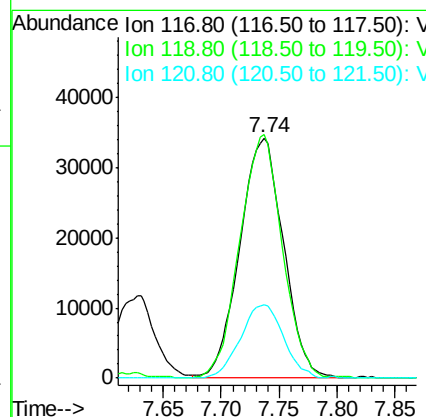
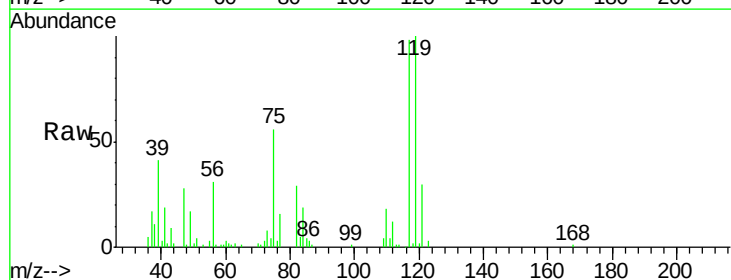
Manual Integrations
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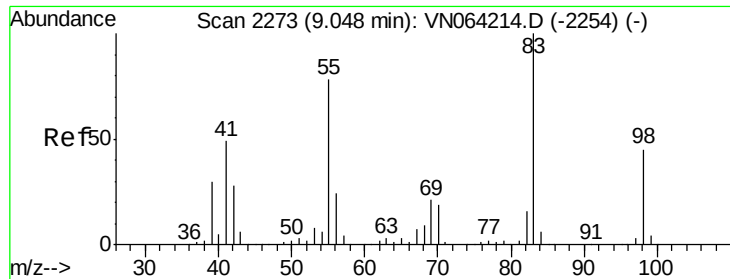
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#38
Carbon Tetrachloride
Concen: 18.644 ug/l
RT: 7.74 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN064269.D
Acq: 22 Oct 2020 22:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	101.5	78.5	117.7
121	30.6	24.3	36.5





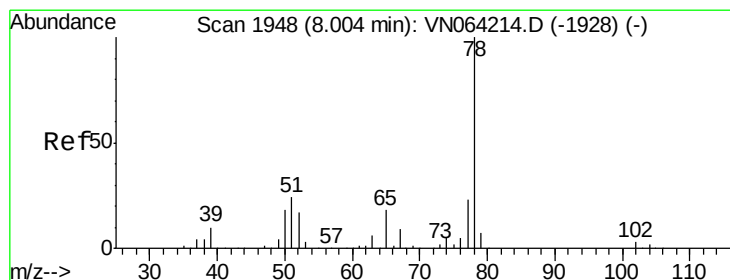
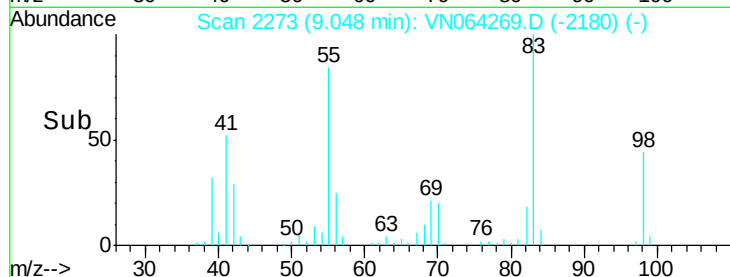
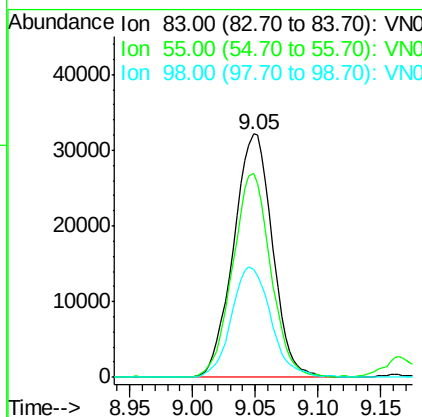
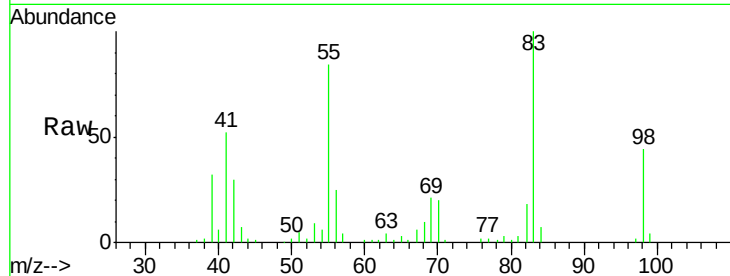
#39
Methylvlcyclohexane
Concen: 18.031 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN064269.D
Acq: 22 Oct 2020 22:49

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.7	62.2	93.2
98	44.2	35.9	53.9

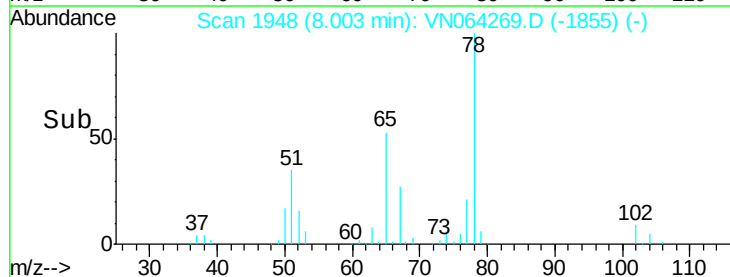
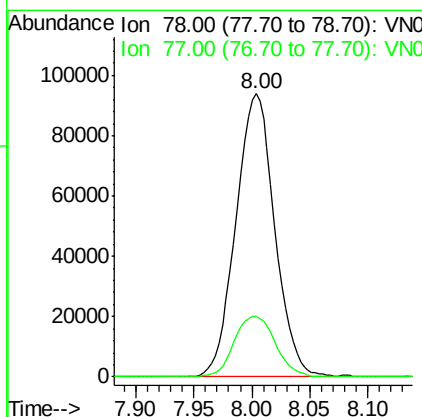
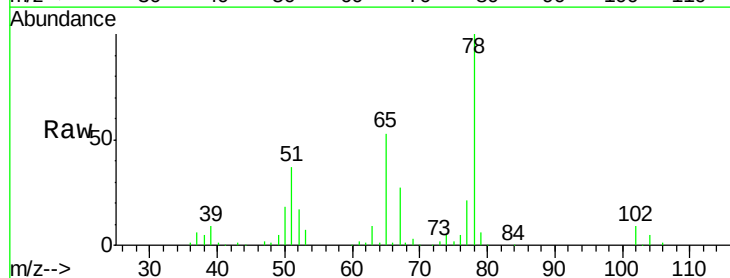
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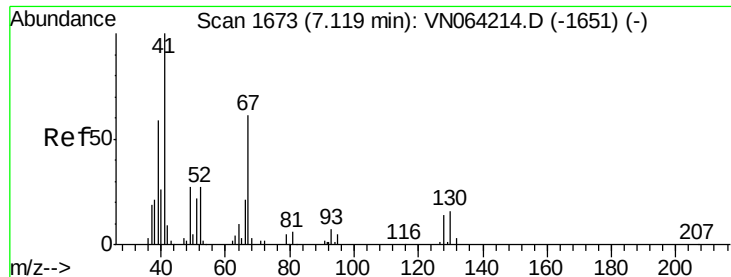
MMDadoda
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#40
Benzene
Concen: 18.761 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN064269.D
Acq: 22 Oct 2020 22:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.4	18.3	27.5





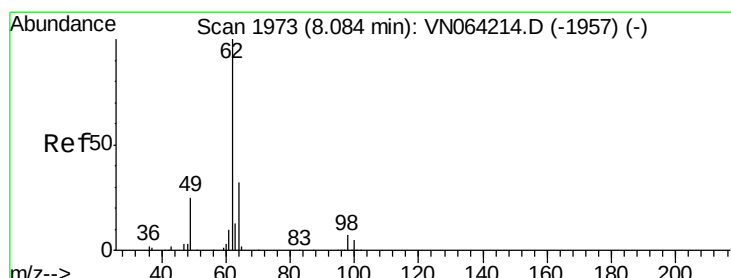
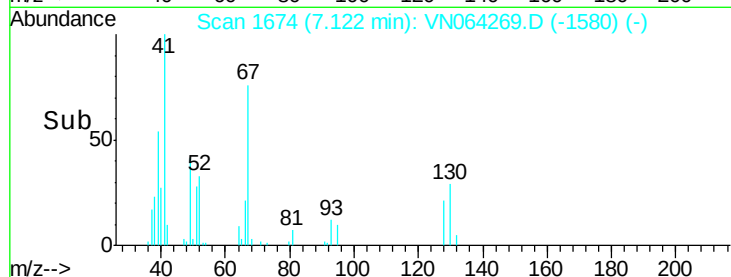
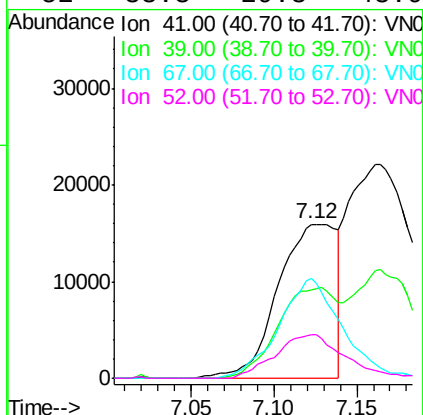
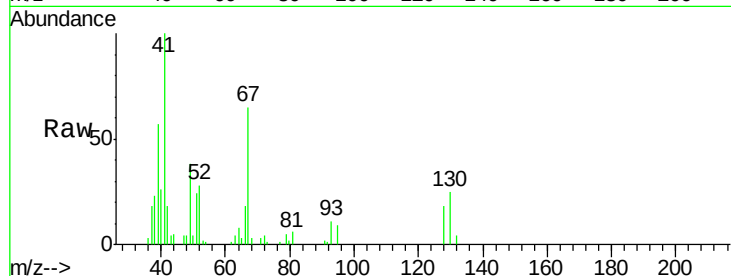
#41
Methacrylonitrile
Concen: 19.395 ug/l
RT: 7.12 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN064269.D
Acq: 22 Oct 2020 22:49

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD02

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	61.7	50.5	75.7	
67	69.9	63.2	94.8	
52	33.3	29.3	43.9	

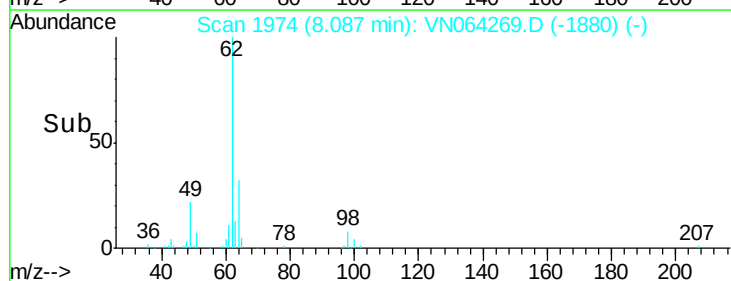
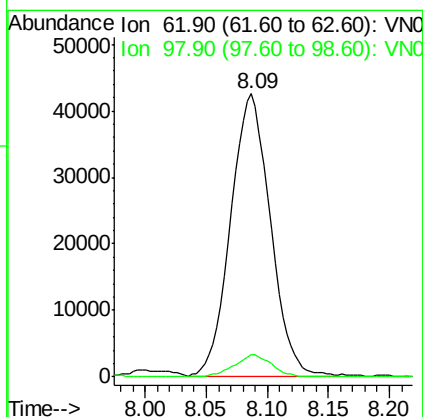
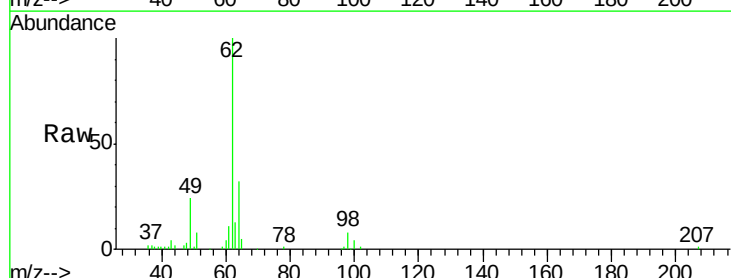
Manual Integrations
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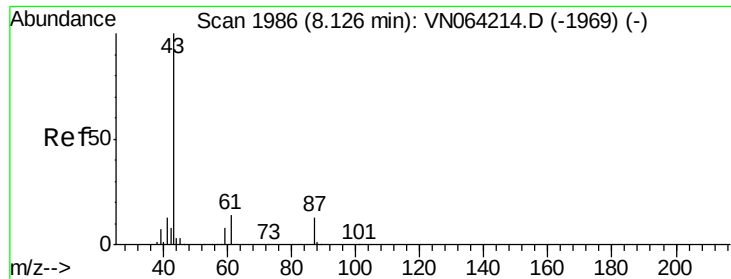
MMDadoda
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#42
1,2-Dichloroethane
Concen: 19.111 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN064269.D
Acq: 22 Oct 2020 22:49

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.4	0.0	15.0	





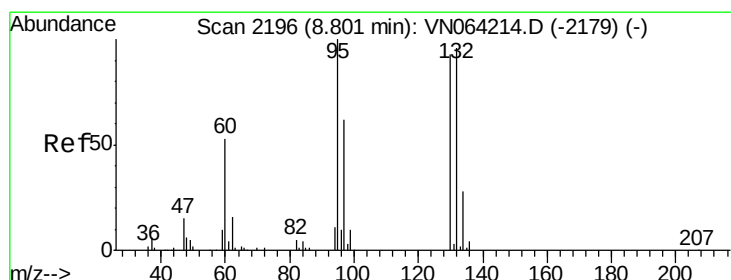
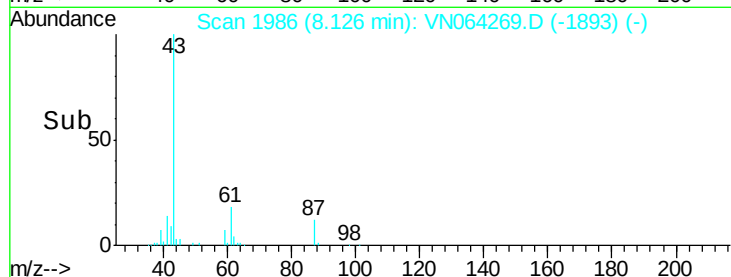
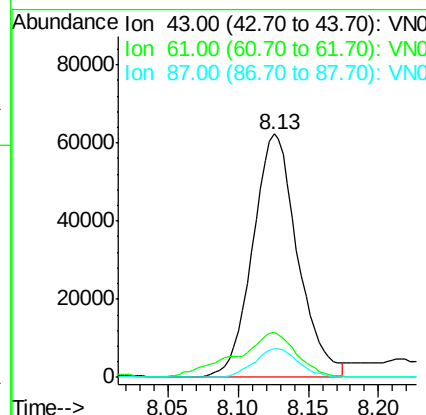
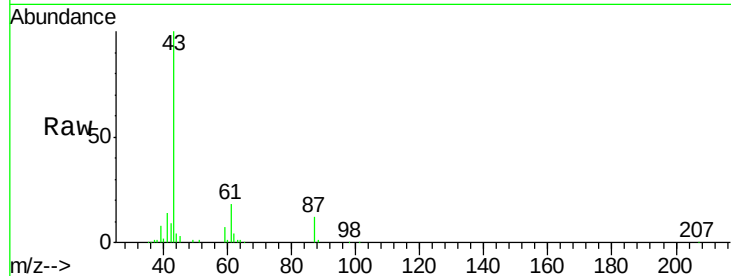
#43
Isopropyl Acetate
Concen: 19.235 ug/l
RT: 8.13 min Scan# 1986
Delta R.T. -0.00 min
Lab File: VN064269.D
Acq: 22 Oct 2020 22:49

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD02

Tot Ion	43	Resp	137550
Ion Ratio	Lower	Upper	
43	100		
61	25.1	19.6	29.4
87	11.7	9.8	14.6

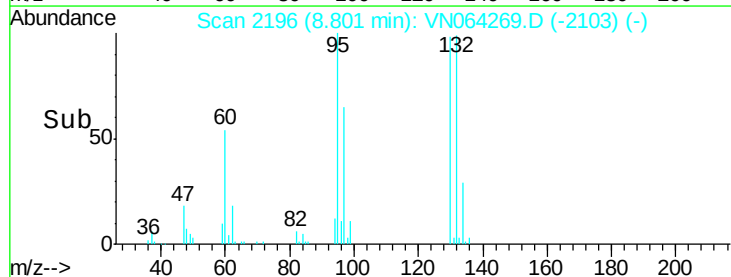
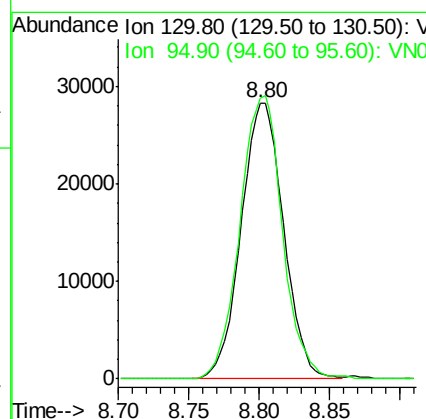
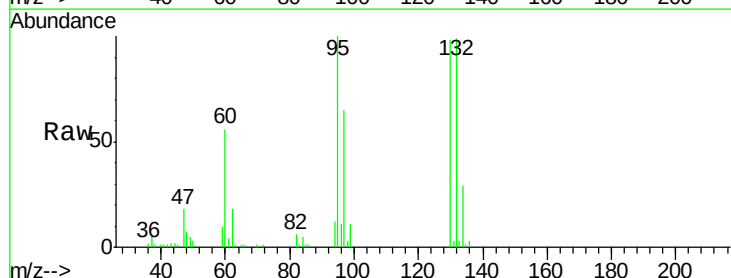
Manual Integrations
APPROVED

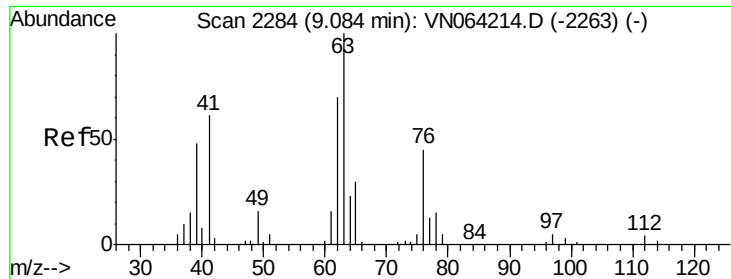
MMDadoda
10/23/2020 3:36:27 PM



#44
Trichloroethene
Concen: 18.741 ug/l
RT: 8.80 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN064269.D
Acq: 22 Oct 2020 22:49

Tgt Ion	130	Resp	59577
Ion Ratio	Lower	Upper	
130	100		
95	101.7	0.0	214.0





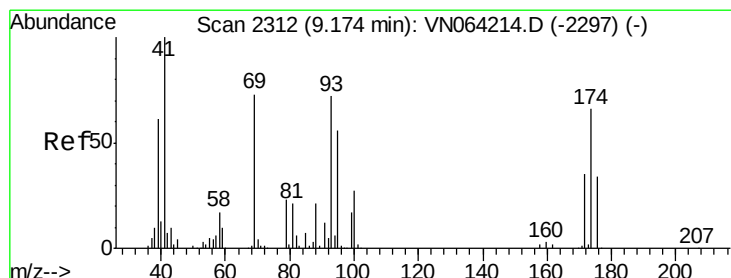
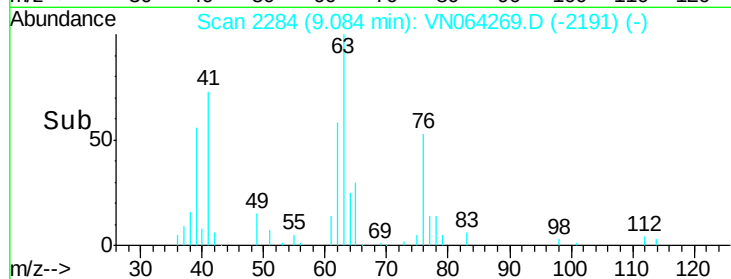
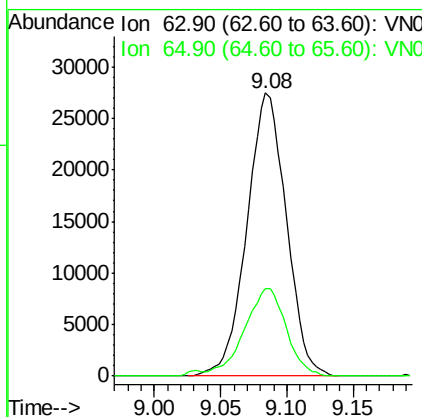
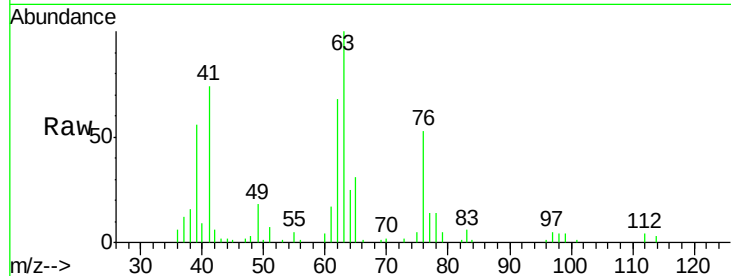
#45
 1,2-Dichloropropane
 Concen: 18.253 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN064269.D
 Acq: 22 Oct 2020 22:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1022WBSD02

Tot Ion: 63 Resp: 56845
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.0 36.0

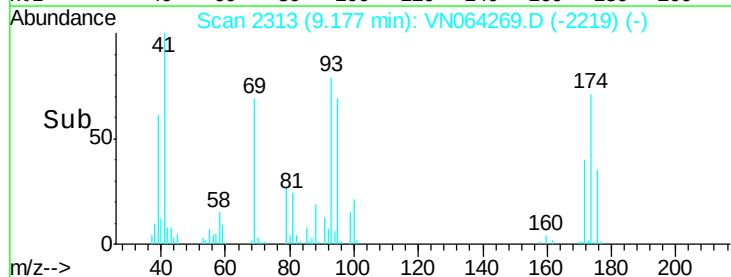
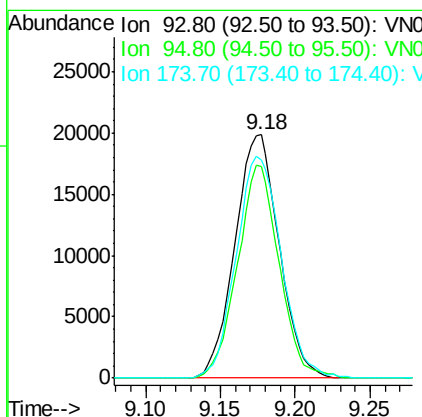
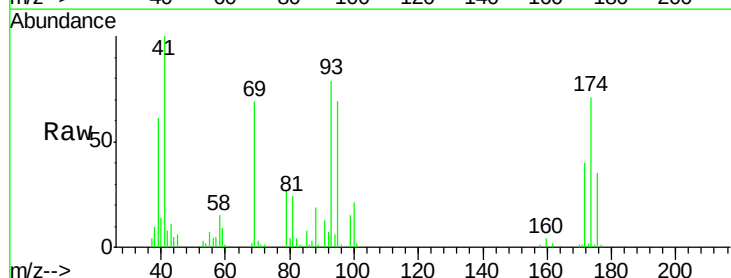
Manual Integrations
 APPROVED

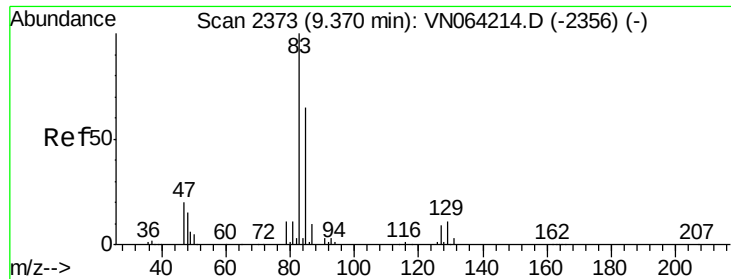
MMDadoda
 10/23/2020 3:36:27 PM



#46
 Dibromomethane
 Concen: 19.571 ug/l
 RT: 9.18 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN064269.D
 Acq: 22 Oct 2020 22:49

Tgt Ion: 93 Resp: 40926
 Ion Ratio Lower Upper
 93 100
 95 82.3 63.0 94.4
 174 92.9 72.9 109.3





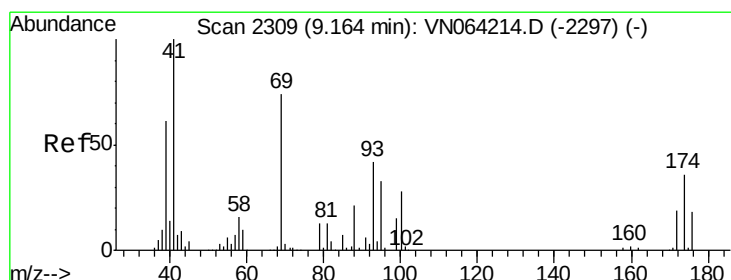
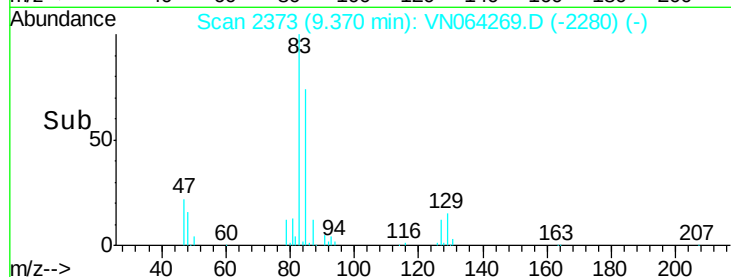
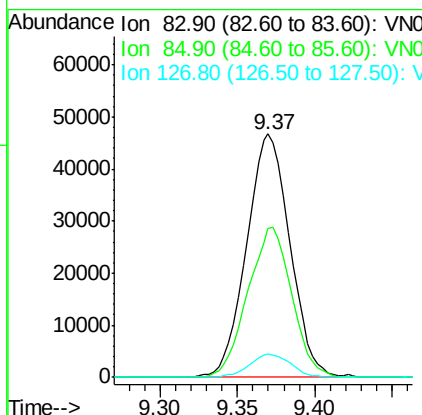
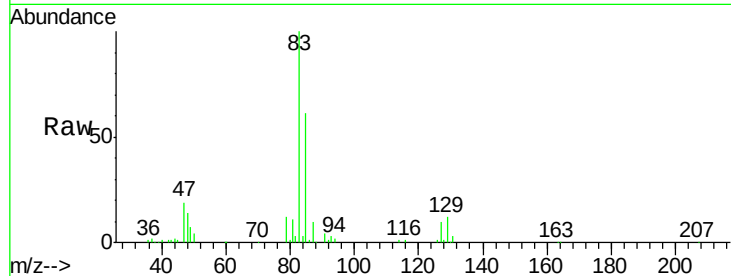
#47
Bromodichloromethane
Concen: 19.676 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN064269.D
Acq: 22 Oct 2020 22:49

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
85	61.0	51.8	77.8
127	9.5	7.4	11.0

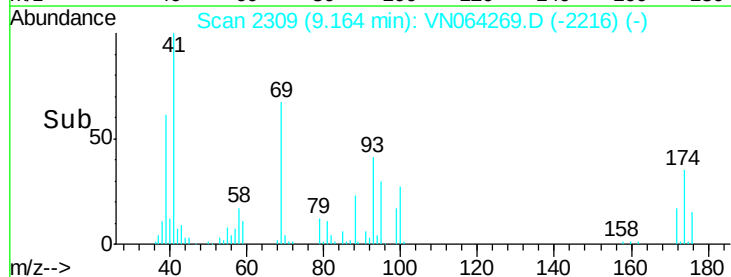
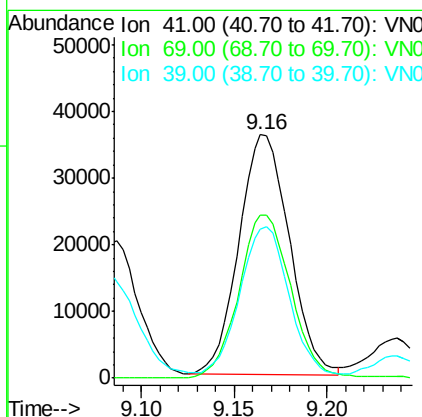
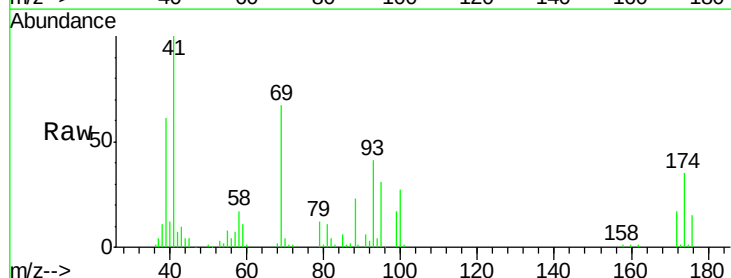
Manual Integrations
APPROVED

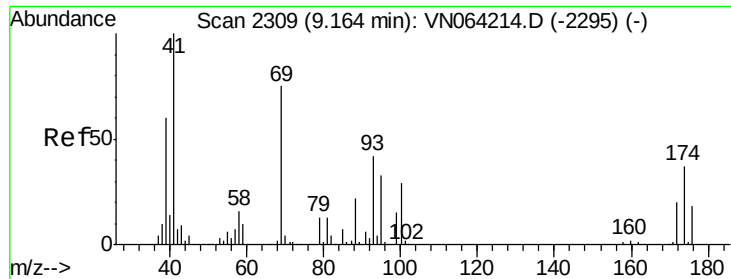
MMDadoda
10/23/2020 3:36:27 PM



#48
Methyl methacrylate
Concen: 18.278 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN064269.D
Acq: 22 Oct 2020 22:49

Tgt Ion	Ratio	Lower	Upper
41	100		
69	69.8	57.3	85.9
39	61.7	48.6	73.0





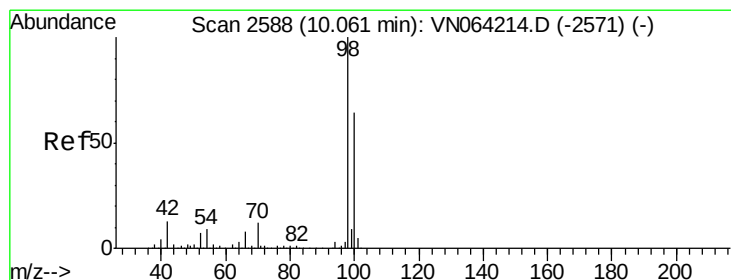
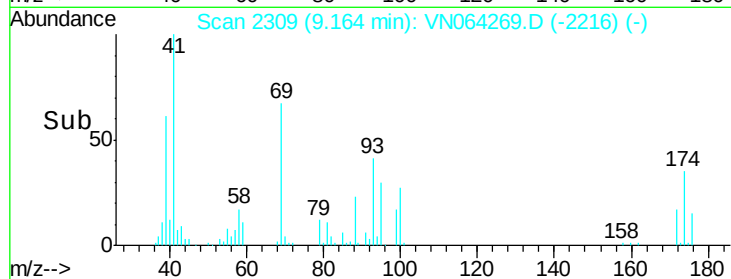
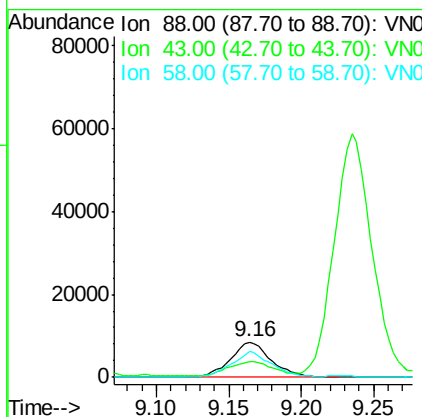
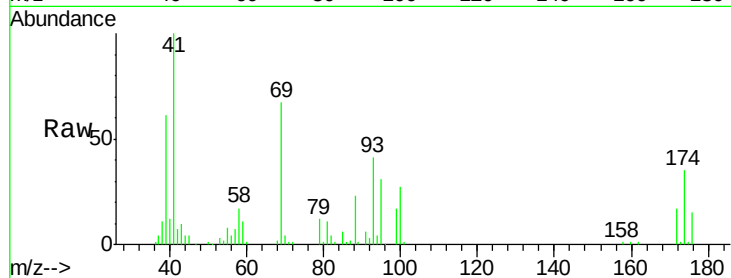
#49
1,4-Dioxane
Concen: 377.467 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN064269.D
Acq: 22 Oct 2020 22:49

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD02

Tot Ion	88	Resp	16498
Ion Ratio	Lower	Upper	
88	100		
43	44.4	34.6	52.0
58	72.6	59.0	88.6

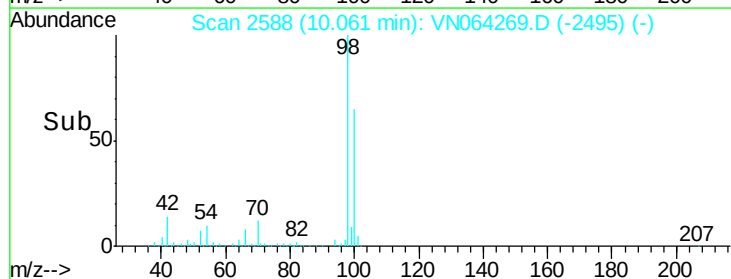
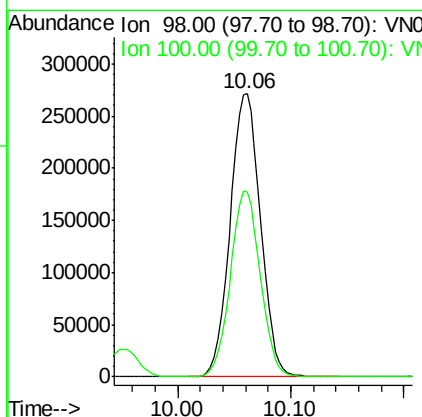
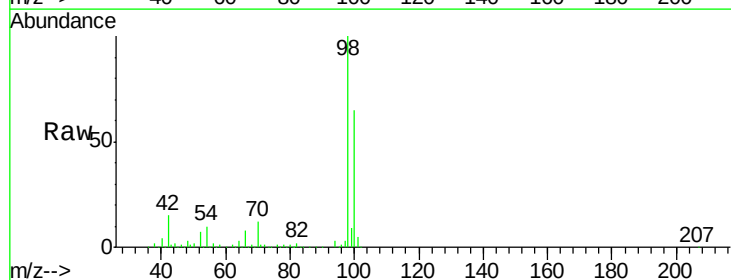
Manual Integrations
APPROVED

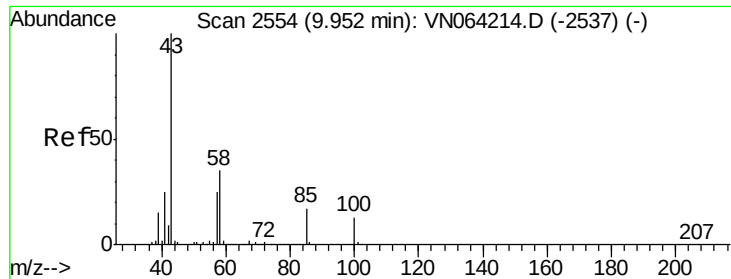
MMDadoda
10/23/2020 3:36:27 PM



#50
Toluene-d8
Concen: 49.643 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. -0.00 min
Lab File: VN064269.D
Acq: 22 Oct 2020 22:49

Tgt Ion	98	Resp	507516
Ion Ratio	Lower	Upper	
98	100		
100	64.6	50.8	76.2





#51

4-Methyl-2-Pentanone

Concen: 99.099 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN064269.D

Acq: 22 Oct 2020 22:49

Instrument :

MSVOA_N

ClientSampleId :

VN1022WBSD02

Tot Ion: 43 Resp: 378738

Ion Ratio Lower Upper

43 100

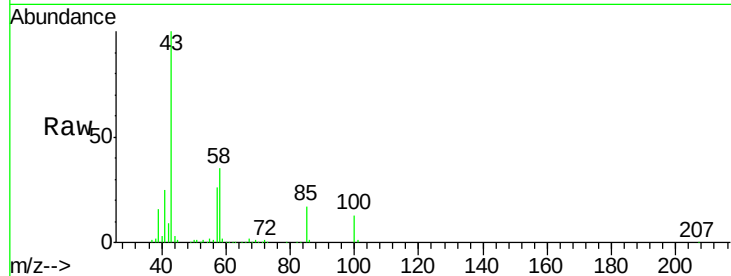
58 35.8 28.6 42.8

Manual Integrations

APPROVED

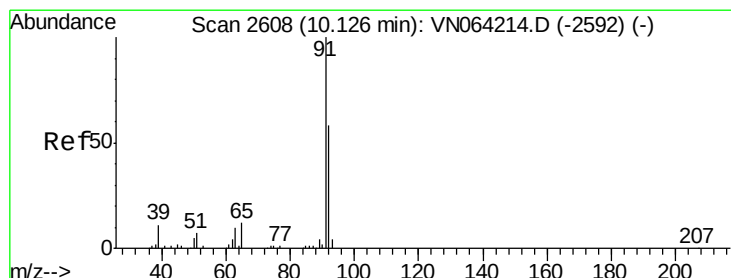
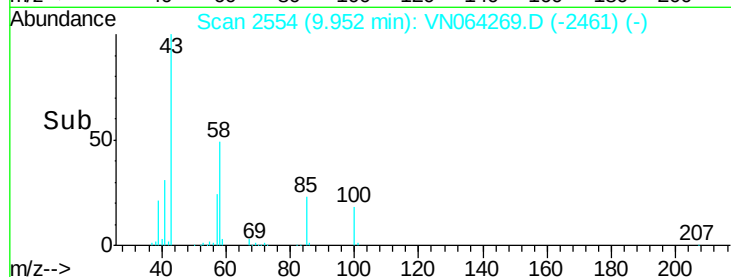
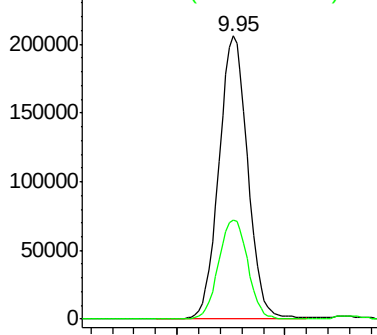
MMDadoda

10/23/2020 3:36:27 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 18.322 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. -0.00 min

Lab File: VN064269.D

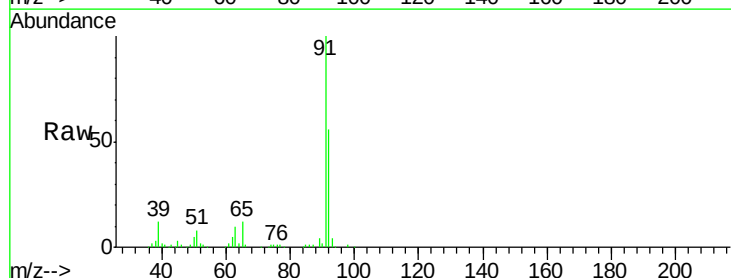
Acq: 22 Oct 2020 22:49

Tgt Ion: 92 Resp: 136764

Ion Ratio Lower Upper

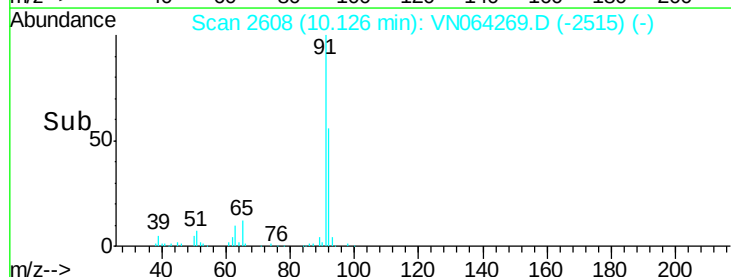
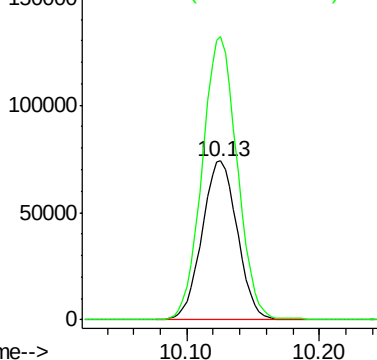
92 100

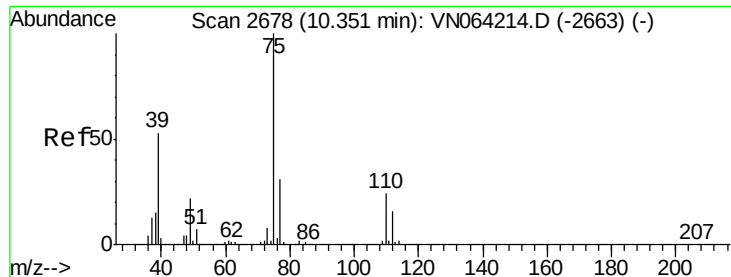
91 176.2 137.4 206.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





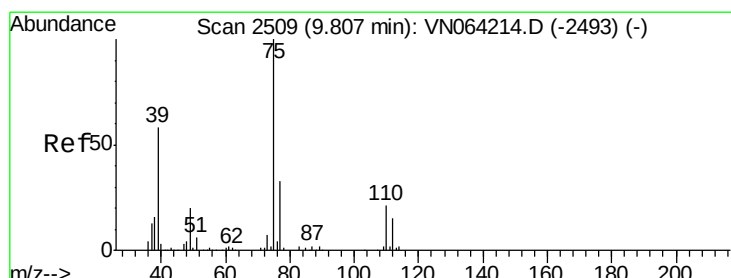
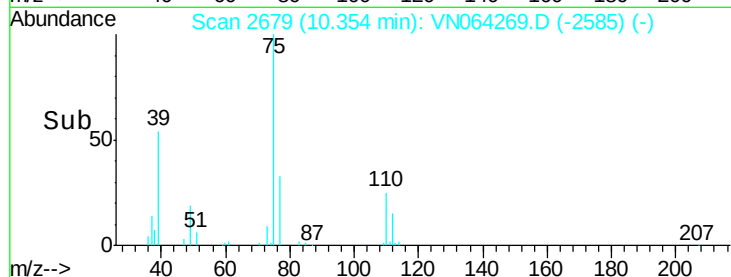
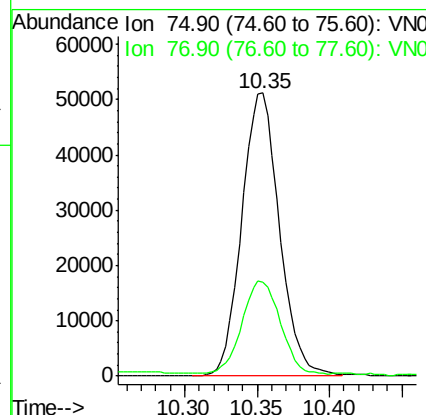
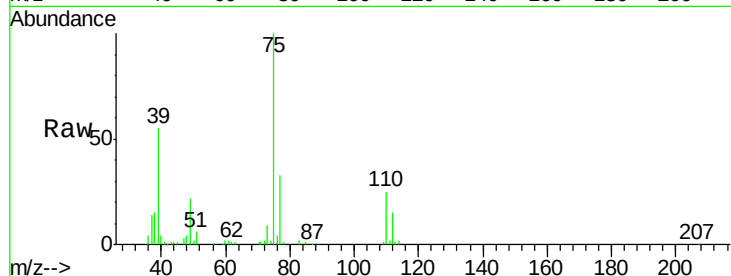
#53
t-1,3-Dichloropropene
Concen: 18.037 ug/l
RT: 10.35 min Scan# 2679
Delta R.T. 0.00 min
Lab File: VN064269.D
Acq: 22 Oct 2020 22:49

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.4	38.2

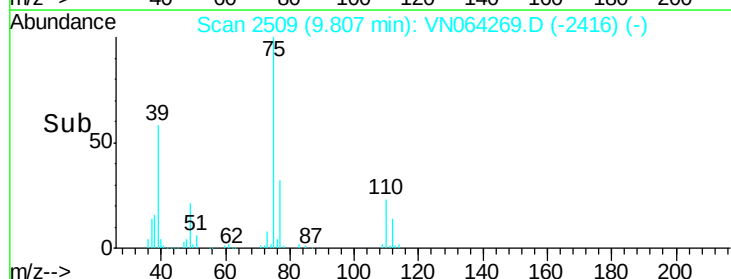
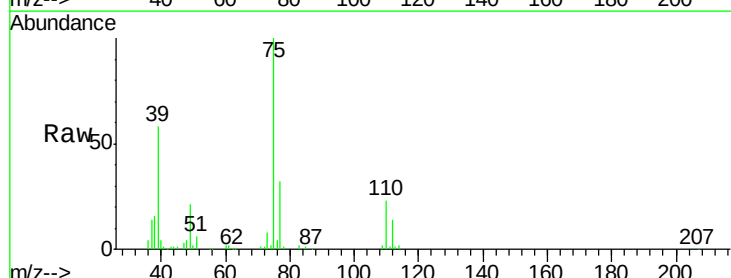
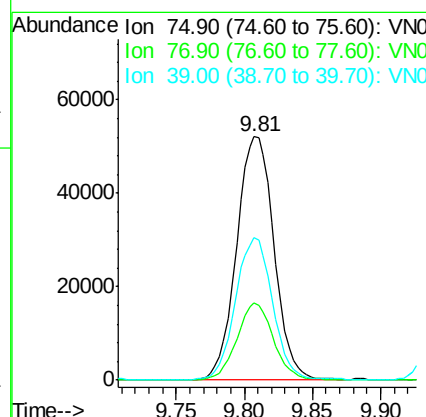
Manual Integrations
APPROVED

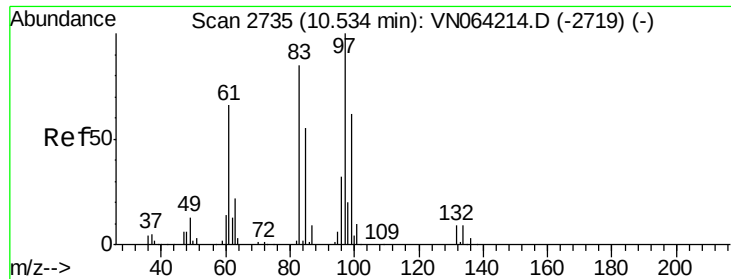
MMDadoda
10/23/2020 3:36:27 PM



#54
cis-1,3-Dichloropropene
Concen: 18.373 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN064269.D
Acq: 22 Oct 2020 22:49

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	26.6	39.8
39	58.0	46.7	70.1





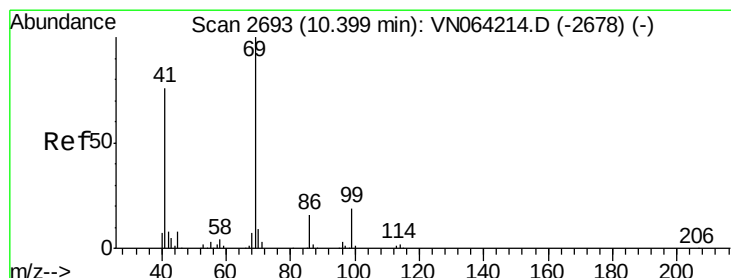
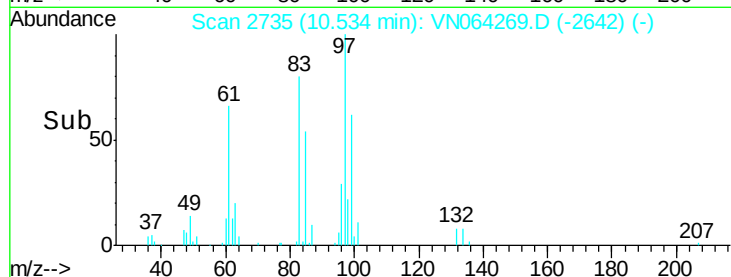
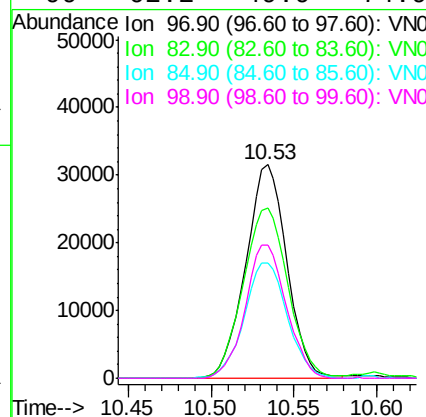
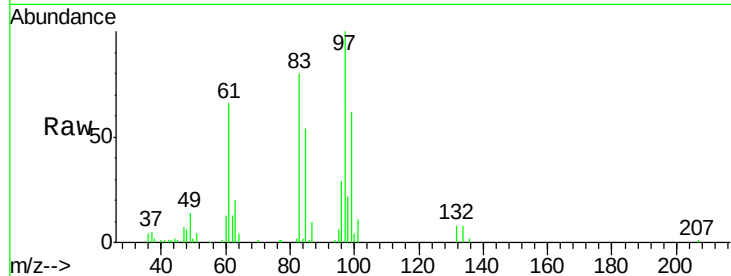
#55
 1,1,2-Trichloroethane
 Concen: 19.279 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. -0.00 min
 Lab File: VN064269.D
 Acq: 22 Oct 2020 22:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1022WBSD02

Tot Ion:	97	Resp:	54352
Ion	Ratio	Lower	Upper
97	100		
83	80.0	67.8	101.6
85	54.1	43.6	65.4
99	62.2	49.9	74.9

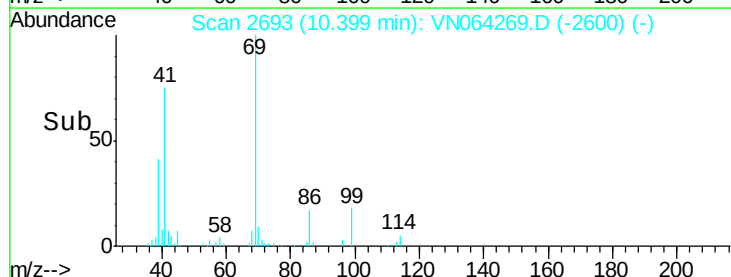
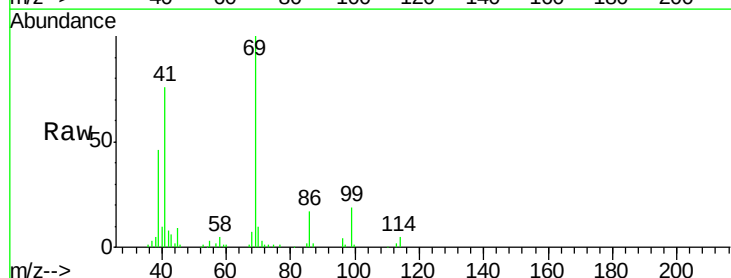
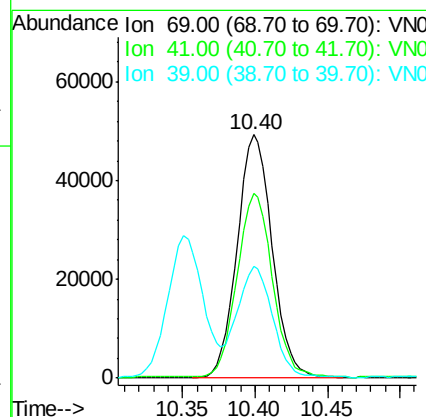
Manual Integrations
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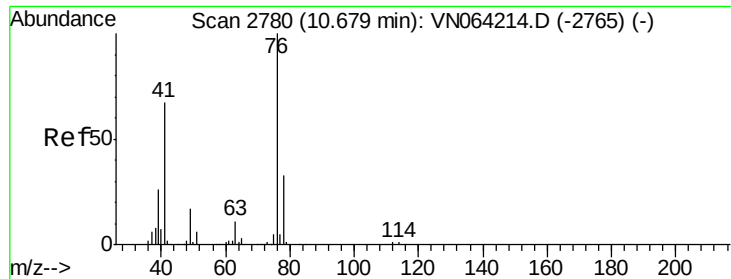
MMDadoda
 10/23/2020 3:36:27 PM



#56
 Ethyl methacrylate
 Concen: 19.057 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. -0.00 min
 Lab File: VN064269.D
 Acq: 22 Oct 2020 22:49

Tgt Ion:	69	Resp:	83070
Ion	Ratio	Lower	Upper
69	100		
41	75.0	61.4	92.2
39	45.6	36.0	54.0





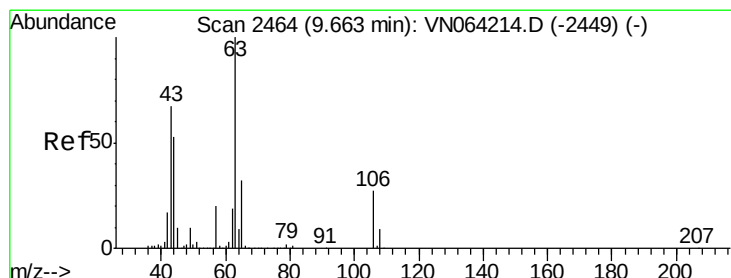
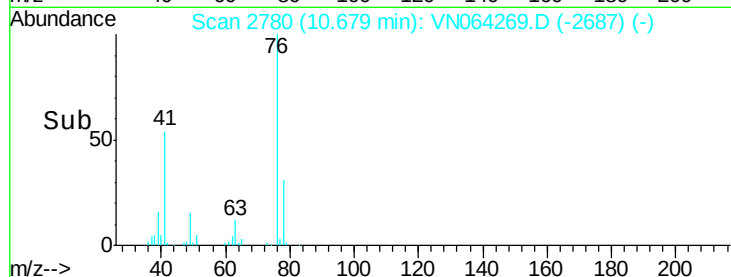
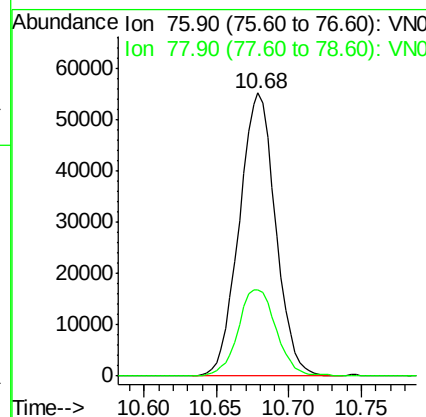
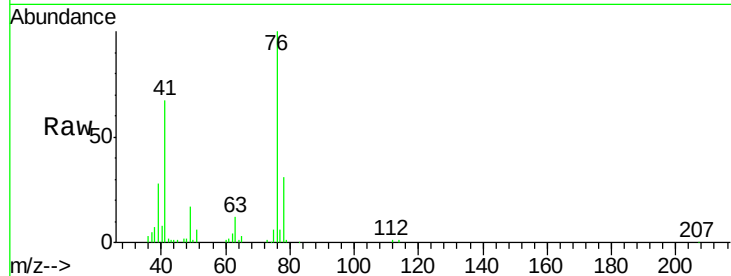
#57
 1,3-Dichloropropane
 Concen: 19.599 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. -0.00 min
 Lab File: VN064269.D
 Acq: 22 Oct 2020 22:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1022WBSD02

Tot Ion: 76 Resp: 95976
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.2 39.2

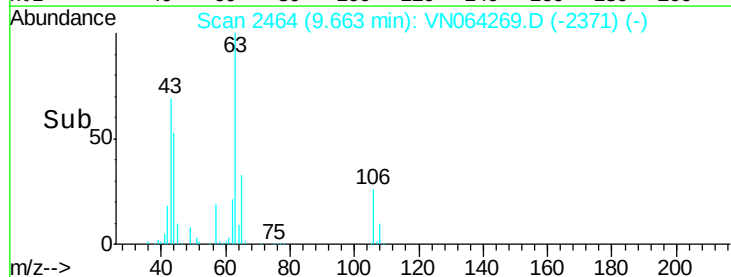
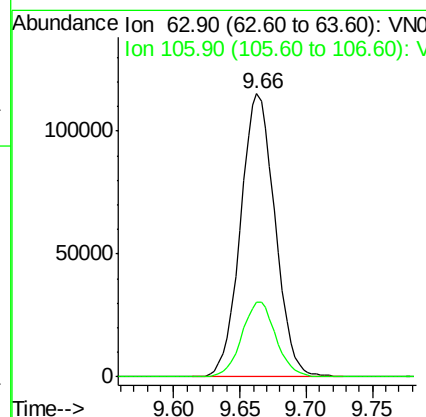
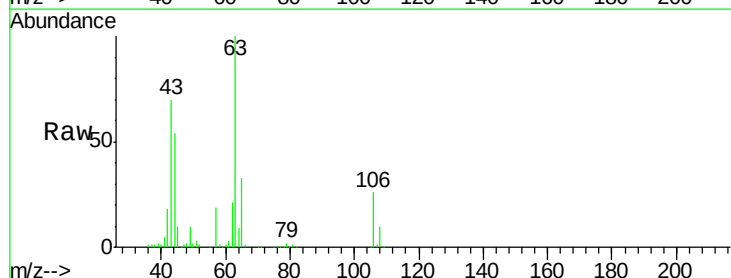
Manual Integrations
 APPROVED

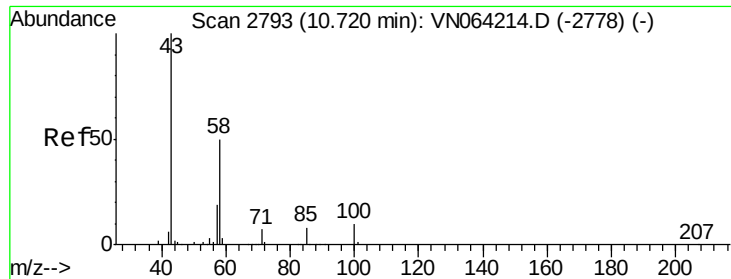
MMDadoda
 10/23/2020 3:36:27 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 92.590 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN064269.D
 Acq: 22 Oct 2020 22:49

Tgt Ion: 63 Resp: 207835
 Ion Ratio Lower Upper
 63 100
 106 26.2 21.3 31.9





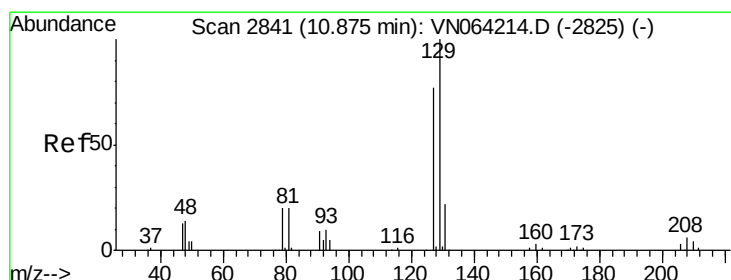
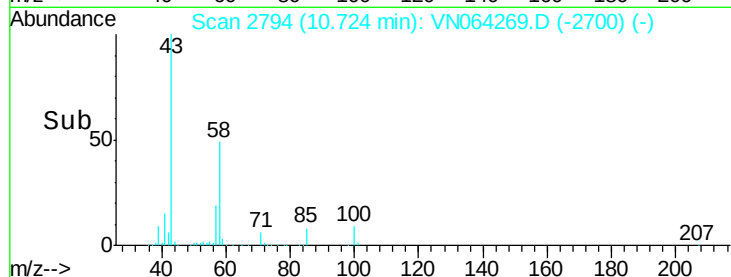
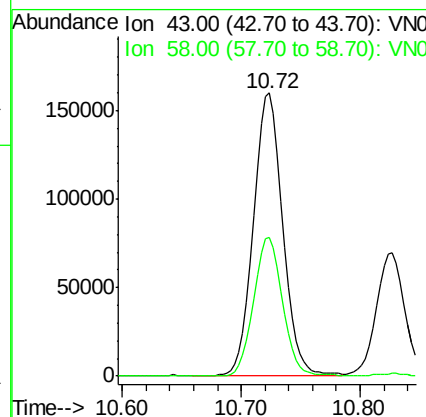
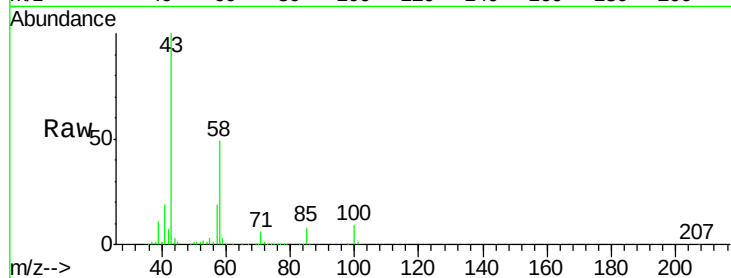
#59
2-Hexanone
Concen: 97.269 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064269.D
Acq: 22 Oct 2020 22:49

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD02

Tot Ion	43	Resp	271488
Ion Ratio	43	100	
Lower	58	48.7	24.8
Upper			74.3

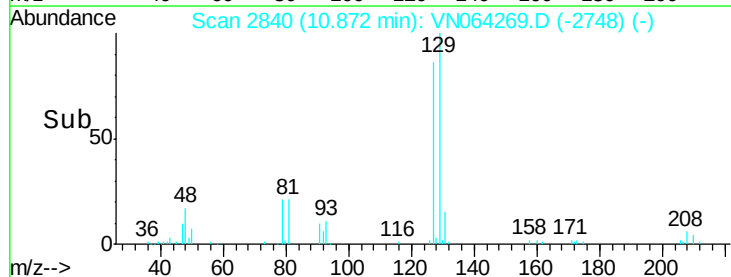
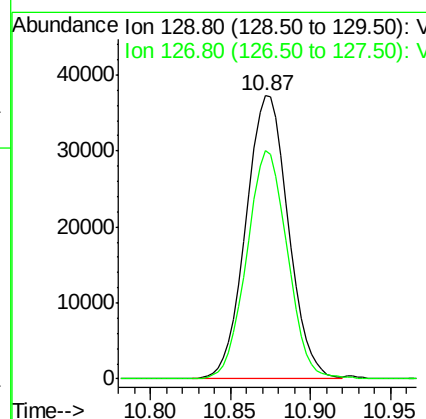
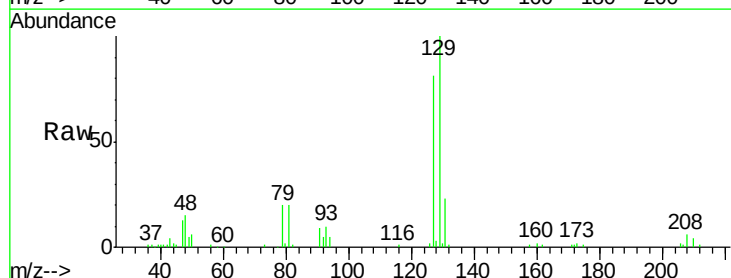
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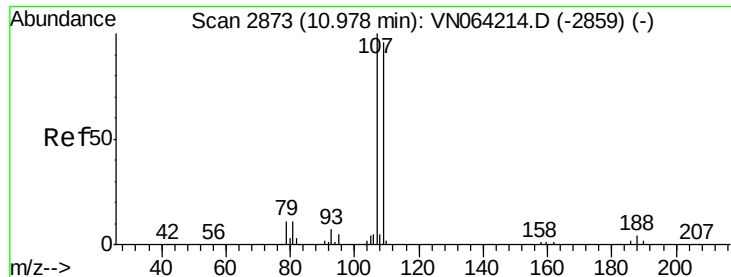
MMDadoda
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#60
Dibromochloromethane
Concen: 18.500 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064269.D
Acq: 22 Oct 2020 22:49

Tgt Ion	129	Resp	67517
Ion Ratio	129	100	
Lower	127	77.3	38.8
Upper			116.3





#61

1,2-Dibromoethane

Concen: 19.506 ug/l

RT: 10.98 min Scan# 2873

Delta R.T. -0.00 min

Lab File: VN064269.D

Acq: 22 Oct 2020 22:49

Instrument :

MSVOA_N

ClientSampleId :

VN1022WBSD02

Tot Ion: 107 Resp: 58029

Ion Ratio Lower Upper

107 100

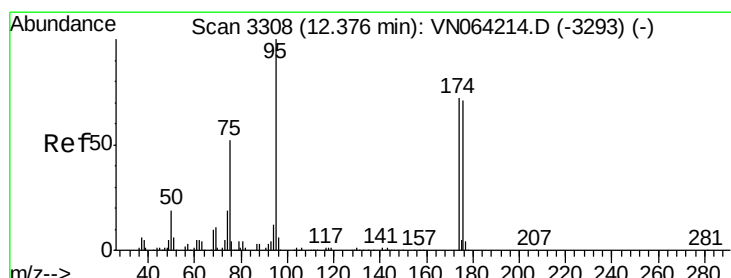
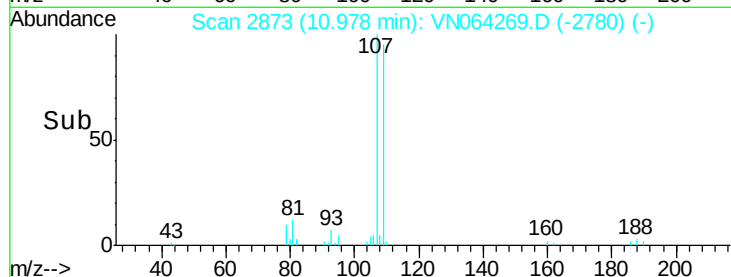
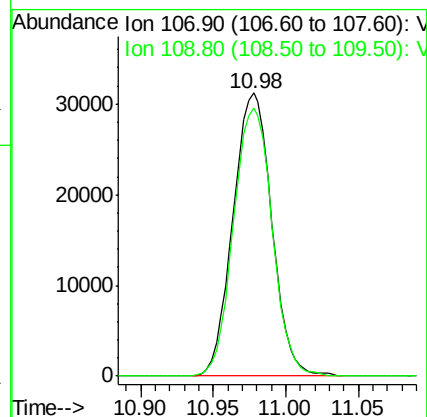
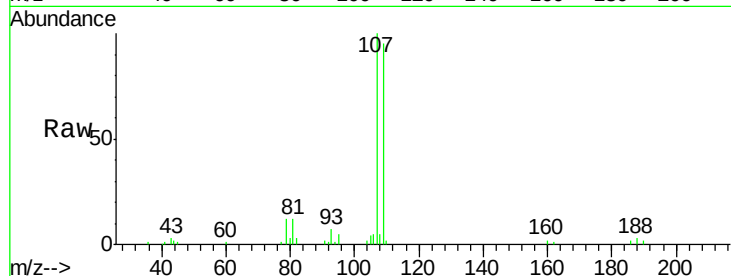
109 94.6 76.2 114.4

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#62

4-Bromofluorobenzene

Concen: 48.558 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN064269.D

Acq: 22 Oct 2020 22:49

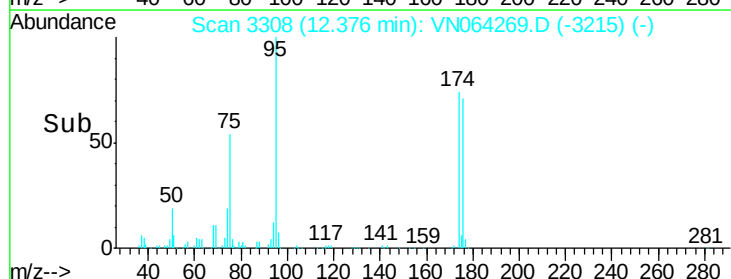
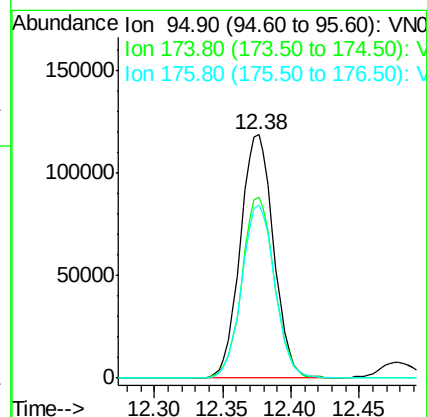
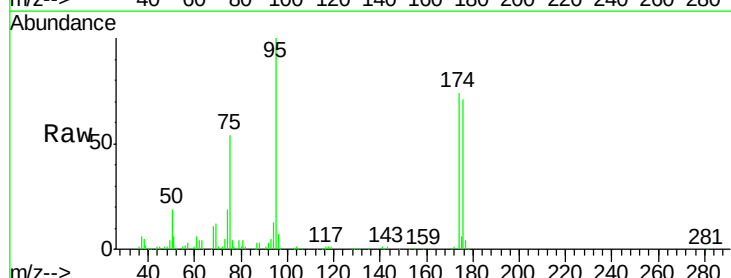
Tgt Ion: 95 Resp: 201247

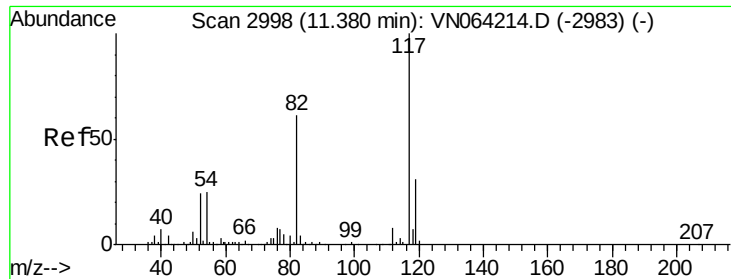
Ion Ratio Lower Upper

95 100

174 72.9 0.0 144.4

176 70.4 0.0 139.2





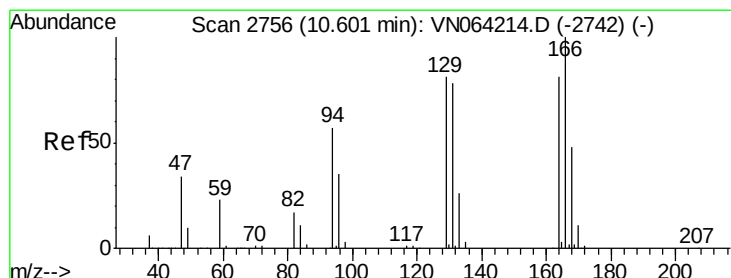
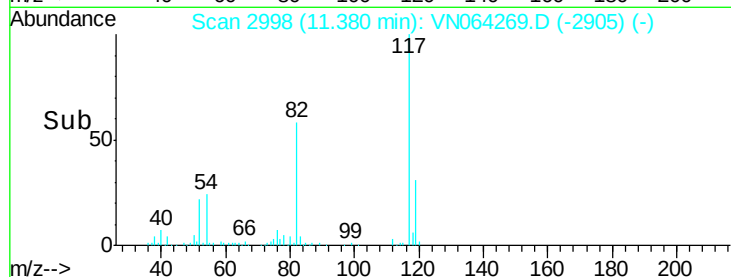
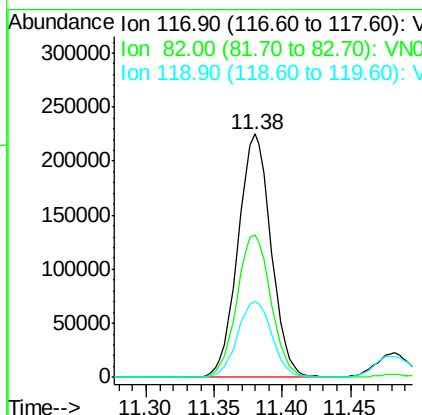
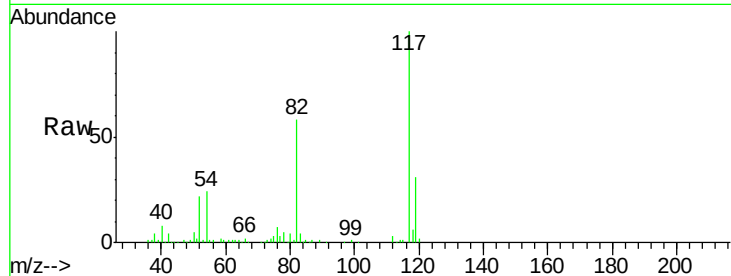
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064269.D
Acq: 22 Oct 2020 22:49

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.4	48.8	73.2
119	31.0	24.7	37.1

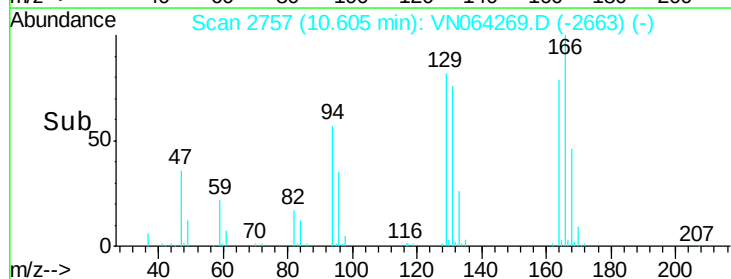
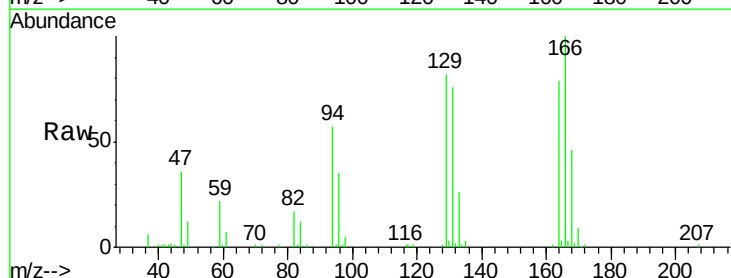
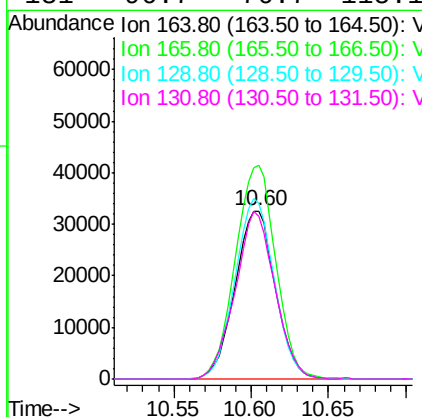
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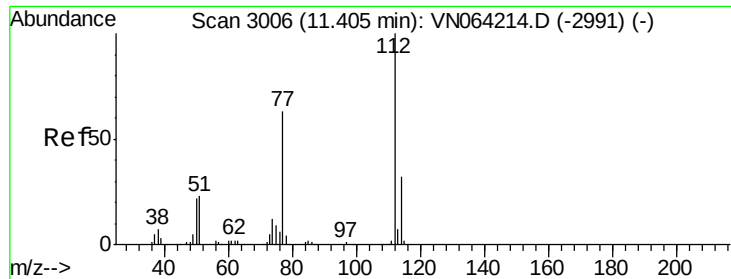
MMDadoda
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#64
Tetrachloroethene
Concen: 19.304 ug/l
RT: 10.60 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VN064269.D
Acq: 22 Oct 2020 22:49

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.1	98.9	148.3
129	104.0	79.9	119.9
131	96.7	76.7	115.1





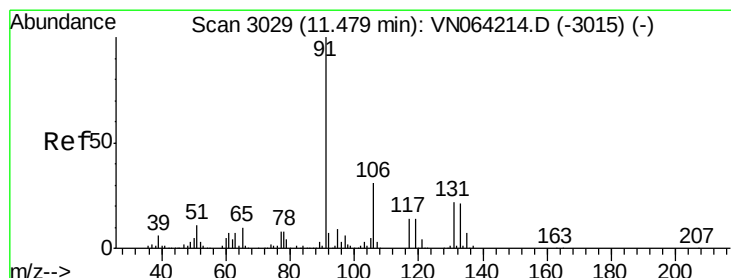
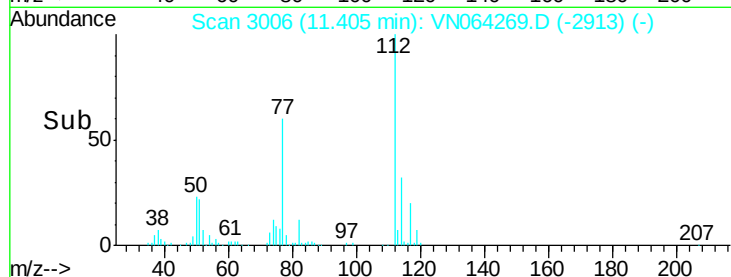
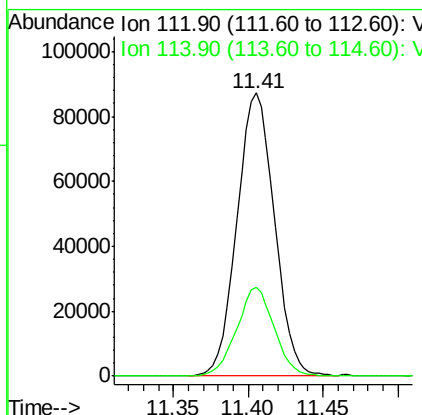
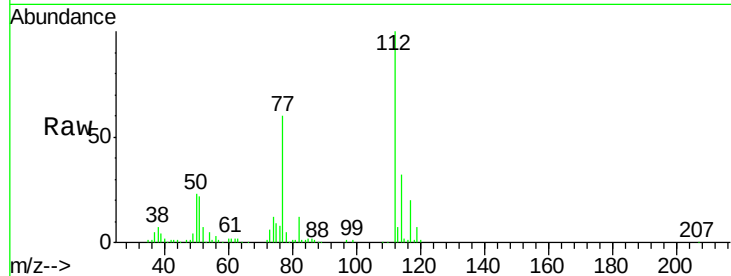
#65
Chlorobenzene
Concen: 19.328 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN064269.D
Acq: 22 Oct 2020 22:49

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD02

Tot Ion:112 Resp: 152129
Ion Ratio Lower Upper
112 100
114 31.6 25.7 38.5

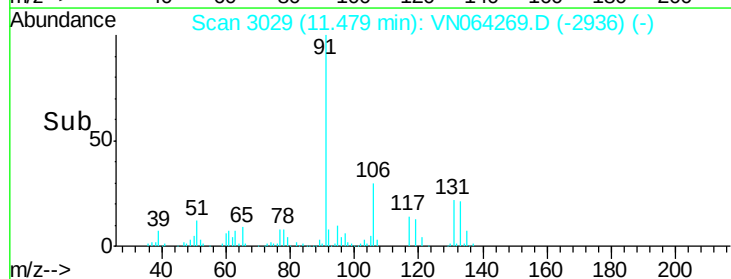
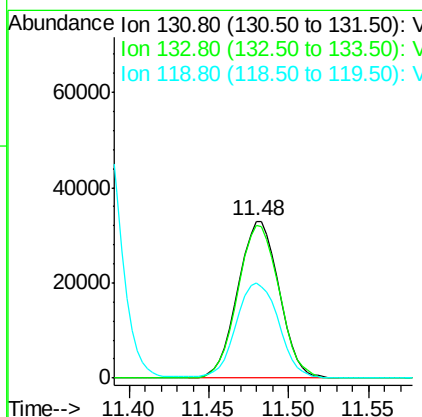
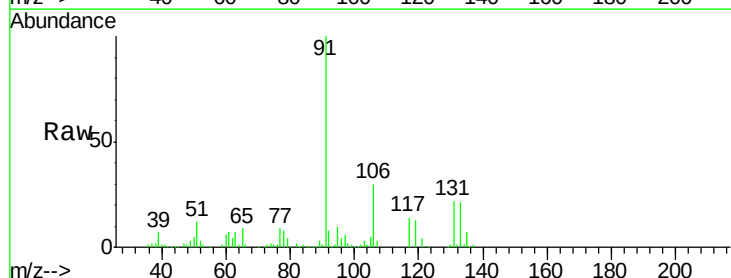
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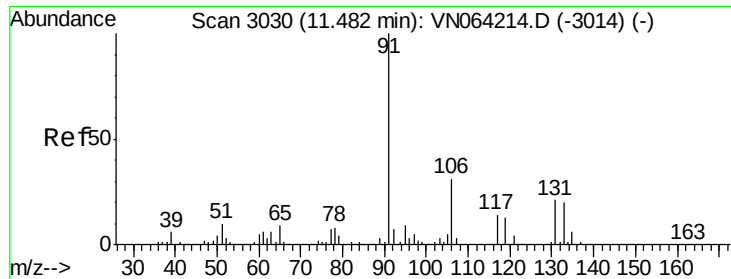
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.624 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN064269.D
Acq: 22 Oct 2020 22:49

Tgt Ion:131 Resp: 58184
Ion Ratio Lower Upper
131 100
133 98.0 47.8 143.4
119 62.8 32.2 96.6





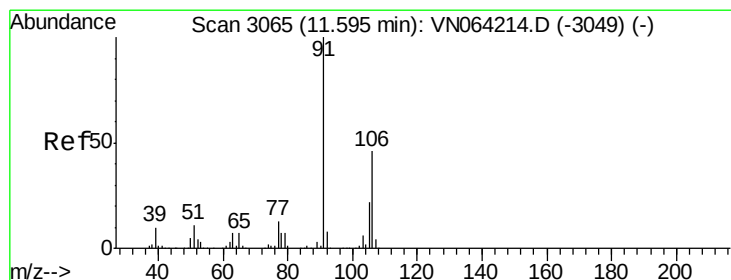
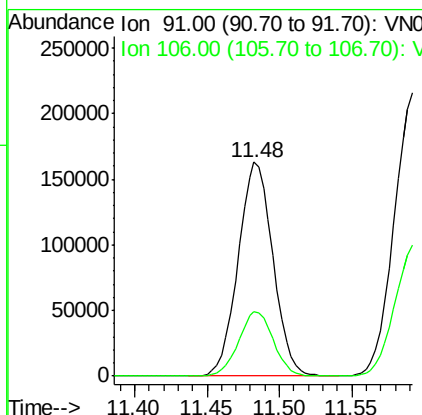
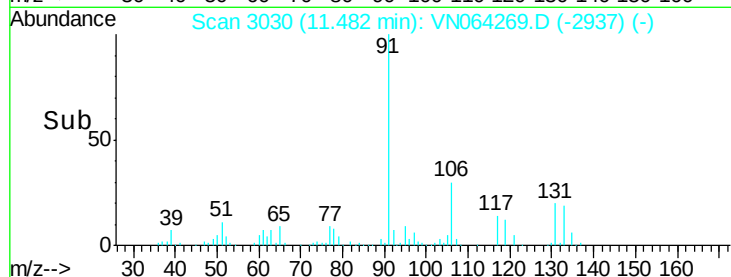
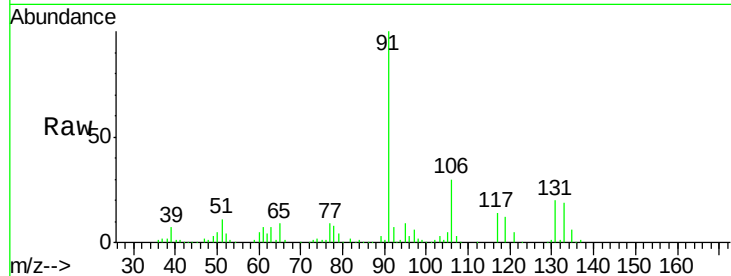
#67
Ethyl Benzene
Concen: 18.839 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN064269.D
Acq: 22 Oct 2020 22:49

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD02

Tot Ion: 91 Resp: 272498
Ion Ratio Lower Upper
91 100
106 30.5 24.8 37.2

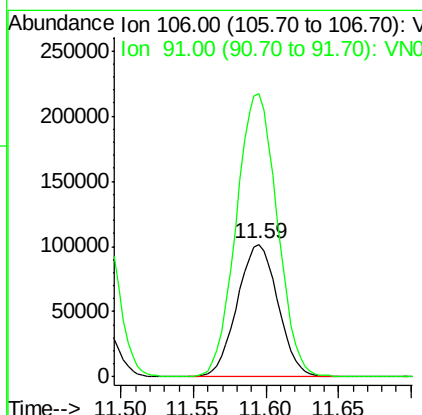
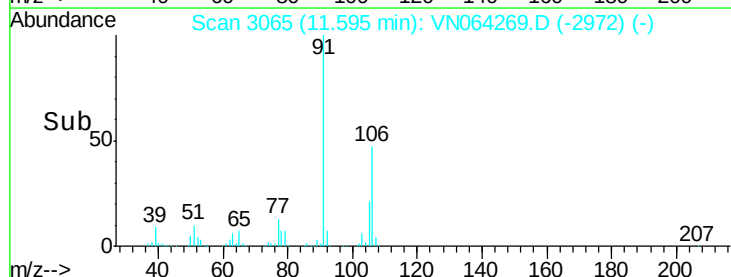
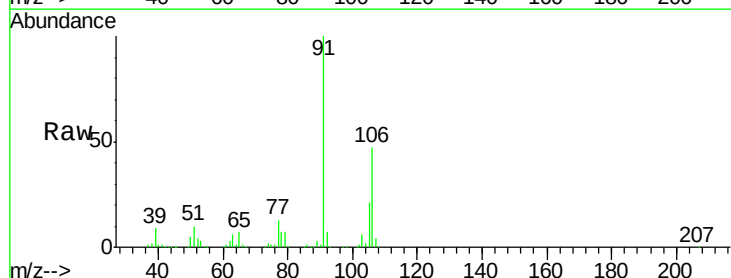
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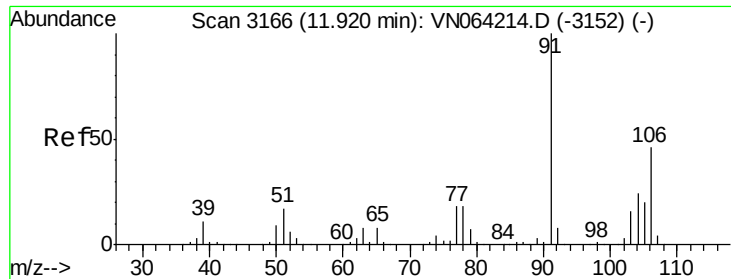
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#68
m/p-Xylenes
Concen: 37.121 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. -0.00 min
Lab File: VN064269.D
Acq: 22 Oct 2020 22:49

Tgt Ion: 106 Resp: 198940
Ion Ratio Lower Upper
106 100
91 214.2 172.2 258.2





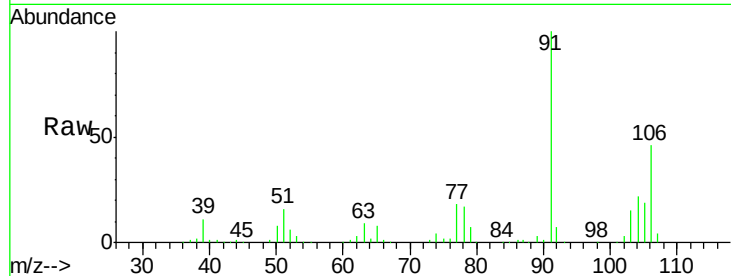
#69
o-Xylene
Concen: 18.941 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN064269.D
Acq: 22 Oct 2020 22:49

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD02

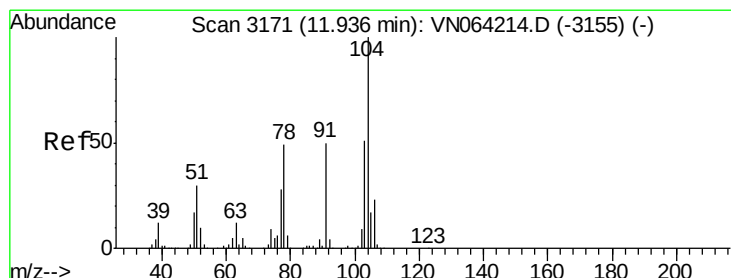
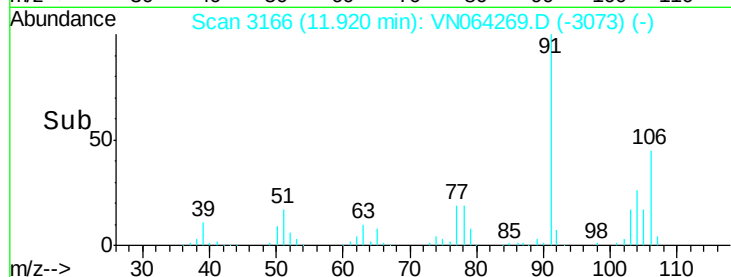
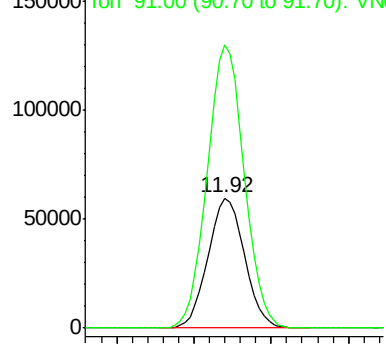
Tot Ion:106 Resp: 98175
Ion Ratio Lower Upper
106 100
91 220.3 109.9 329.6

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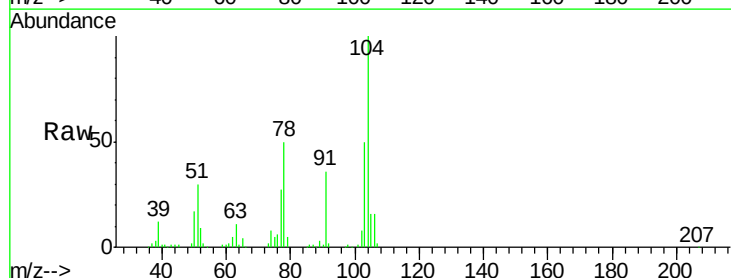


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

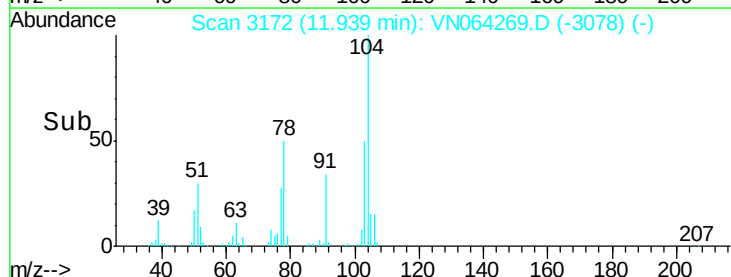
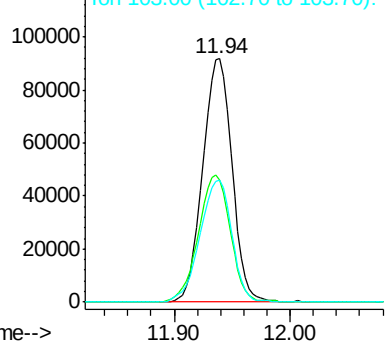


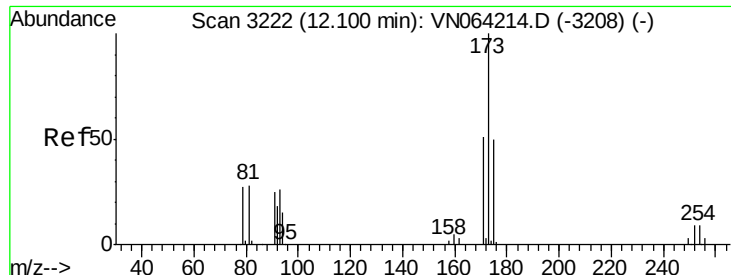
#70
Styrene
Concen: 18.409 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN064269.D
Acq: 22 Oct 2020 22:49

Tgt Ion:104 Resp: 159941
Ion Ratio Lower Upper
104 100
78 57.3 43.8 65.6
103 54.3 43.4 65.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 19.095 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. -0.00 min

Lab File: VN064269.D

Acq: 22 Oct 2020 22:49

Instrument :

MSVOA_N

ClientSampleId :

VN1022WBSD02

Tot Ion:173 Resp: 46084

Ion Ratio Lower Upper

173 100

175 47.6 25.1 75.3

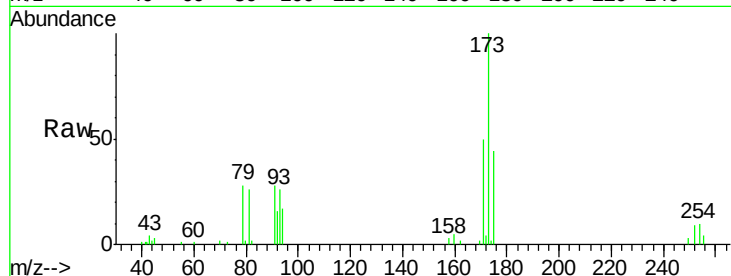
254 0.0 0.0 0.0

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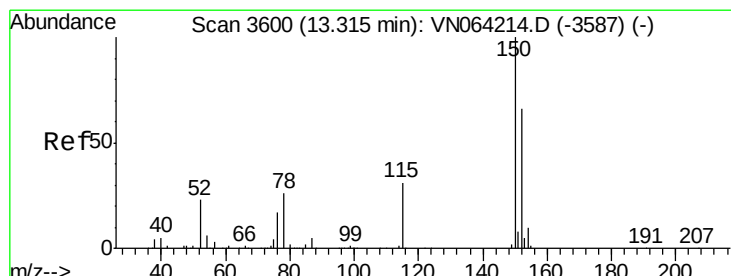
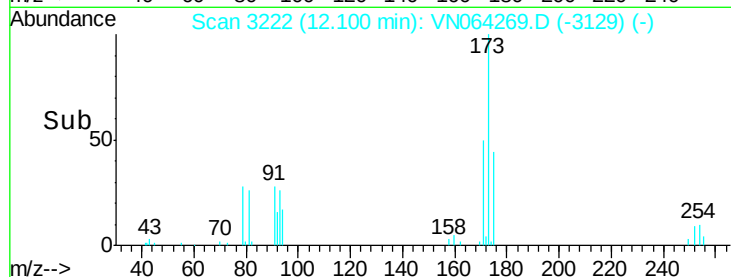
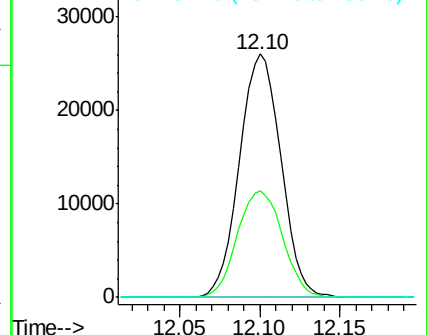
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN064269.D

Acq: 22 Oct 2020 22:49

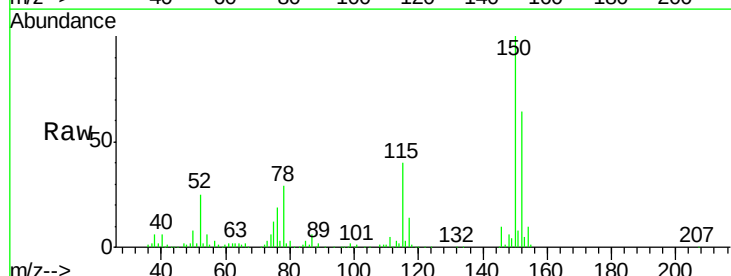
Tgt Ion:152 Resp: 177906

Ion Ratio Lower Upper

152 100

115 64.3 32.0 96.2

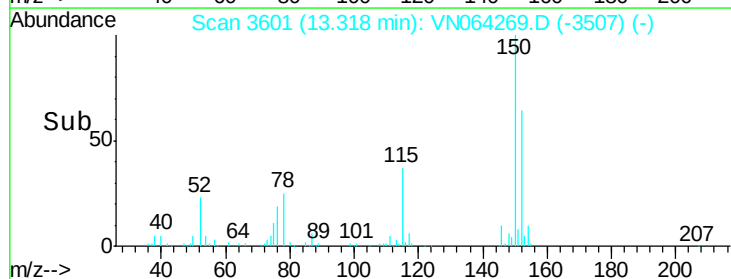
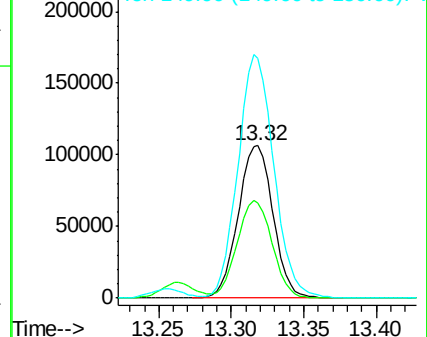
150 164.3 0.0 356.6

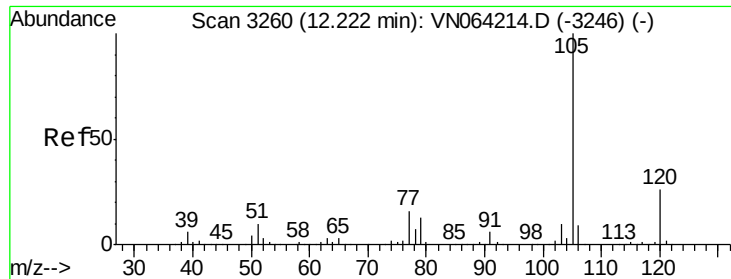


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.005 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN064269.D

Acq: 22 Oct 2020 22:49

Instrument :

MSVOA_N

ClientSampleId :

VN1022WBSD02

Tot Ion: 105 Resp: 257869

Ion Ratio Lower Upper

105 100

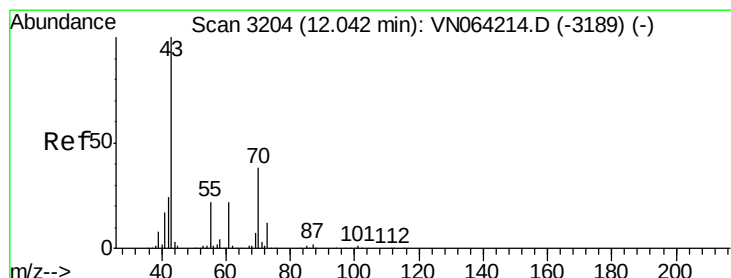
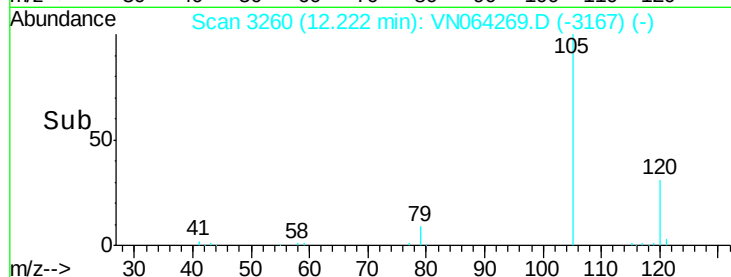
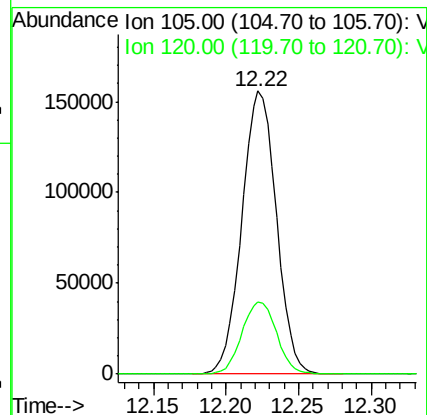
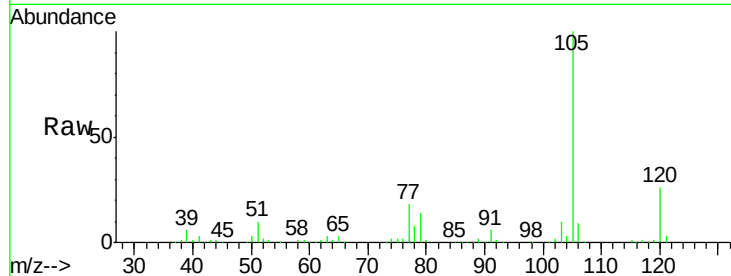
120 25.7 12.9 38.7

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#74

N-ethyl acetate

Concen: 19.599 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN064269.D

Acq: 22 Oct 2020 22:49

Tgt Ion: 43 Resp: 114908

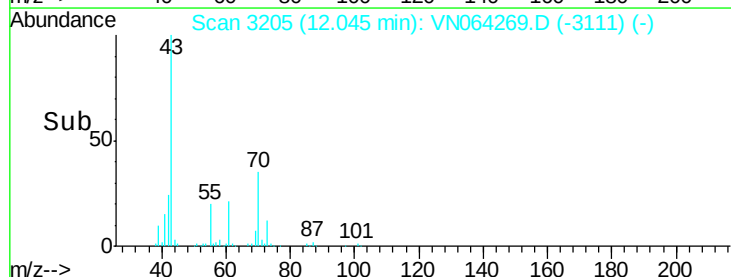
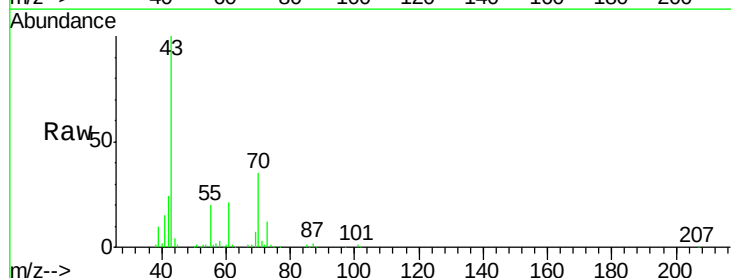
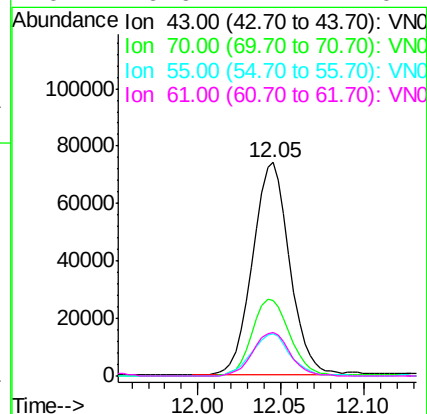
Ion Ratio Lower Upper

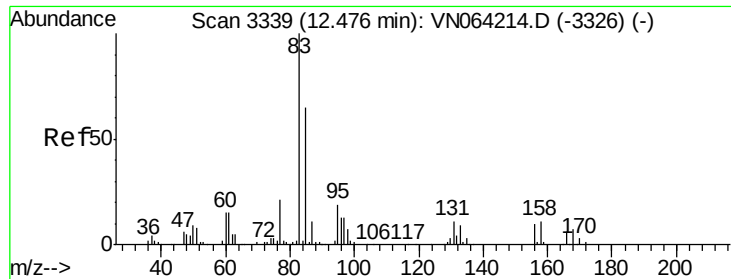
43 100

70 37.0 30.2 45.4

55 20.6 18.0 27.0

61 20.9 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 19.967 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064269.D

Acq: 22 Oct 2020 22:49

Instrument :

MSVOA_N

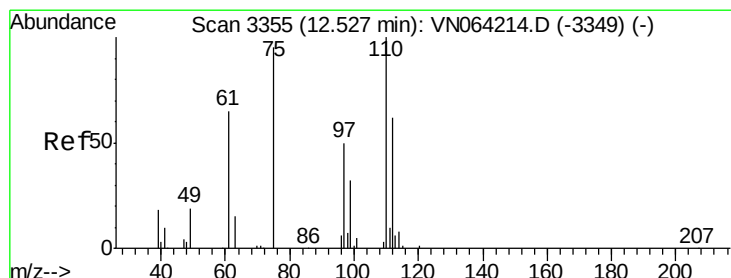
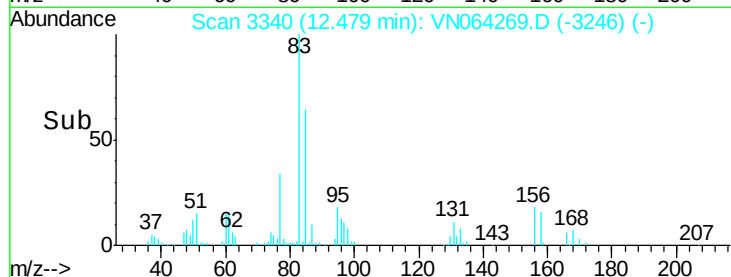
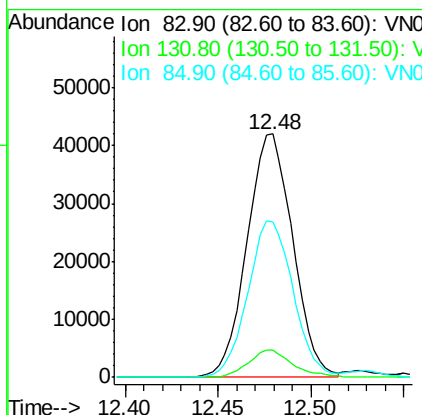
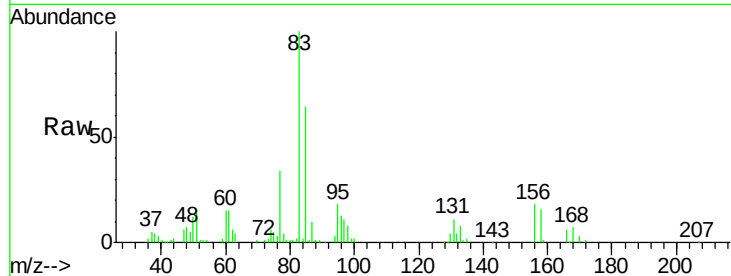
ClientSampleId :

VN1022WBSD02

Tot Ion:	83	Resp:	71895
Ion	Ratio	Lower	Upper
83	100		
131	10.9	5.5	16.7
85	63.7	32.4	97.0

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#76

1,2,3-Trichloropropane

Concen: 18.784 ug/l m

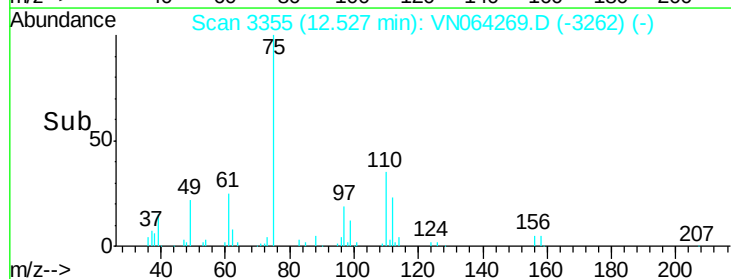
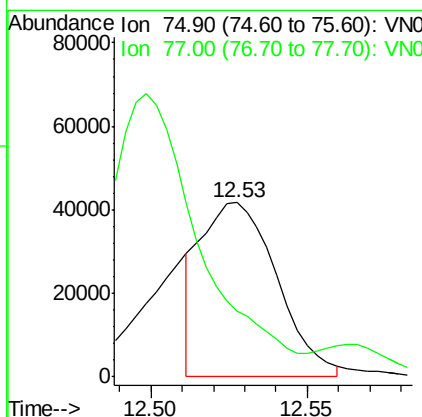
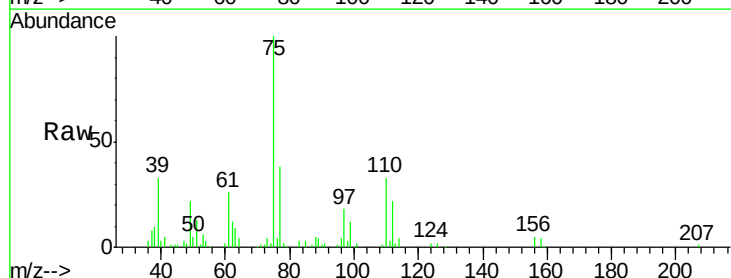
RT: 12.53 min Scan# 3355

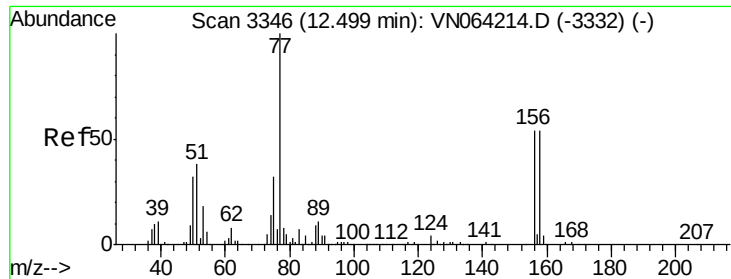
Delta R.T. -0.00 min

Lab File: VN064269.D

Acq: 22 Oct 2020 22:49

Tgt Ion:	75	Resp:	70449
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.257 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN064269.D

Acq: 22 Oct 2020 22:49

Instrument :

MSVOA_N

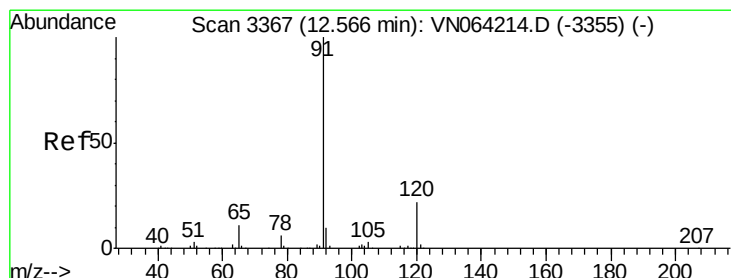
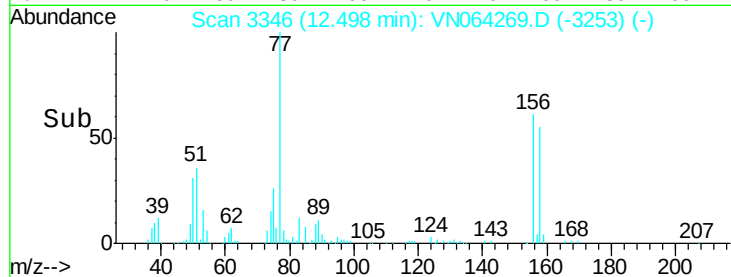
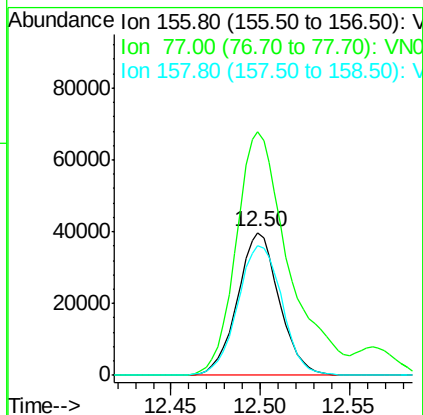
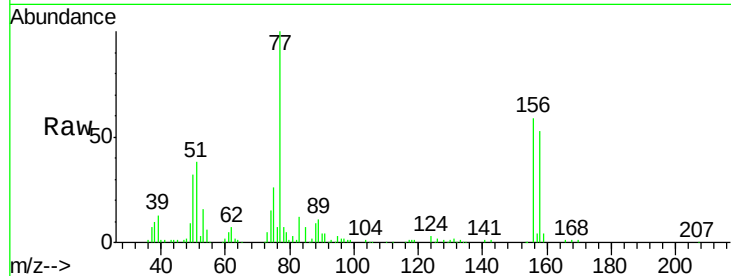
ClientSampleId :

VN1022WBSD02

Tot Ion:156 Resp: 64889
 Ion Ratio Lower Upper
 156 100
 77 215.2 111.1 333.4
 158 96.5 50.0 150.1

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#78

n-propylbenzene

Concen: 18.802 ug/l

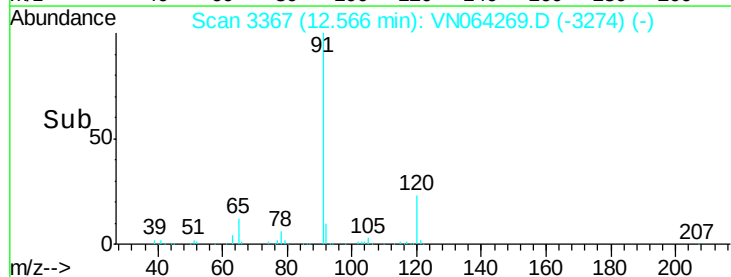
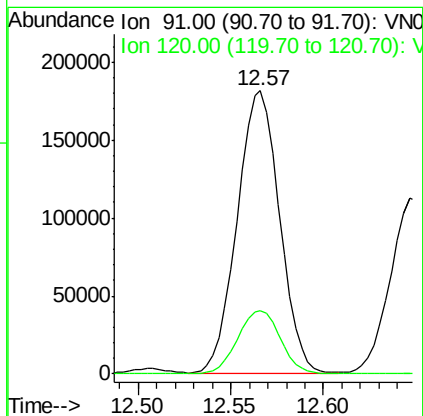
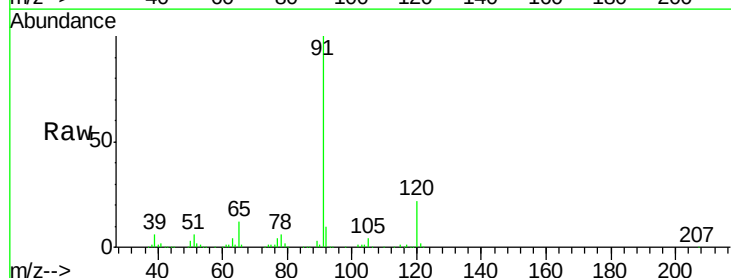
RT: 12.57 min Scan# 3367

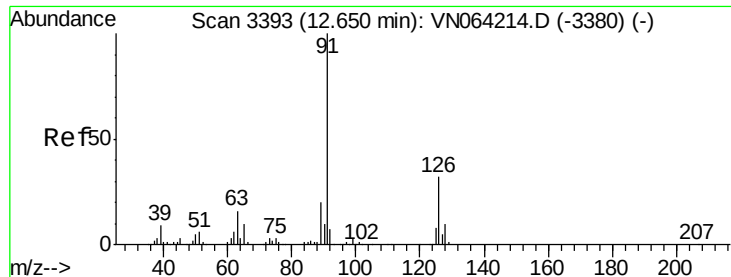
Delta R.T. -0.00 min

Lab File: VN064269.D

Acq: 22 Oct 2020 22:49

Tgt Ion: 91 Resp: 287643
 Ion Ratio Lower Upper
 91 100
 120 22.6 11.1 33.1





#79

2-Chlorotoluene

Concen: 19.493 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064269.D

Acq: 22 Oct 2020 22:49

Instrument :

MSVOA_N

ClientSampleId :

VN1022WBSD02

Tot Ion: 91 Resp: 183170

Ion Ratio Lower Upper

91 100

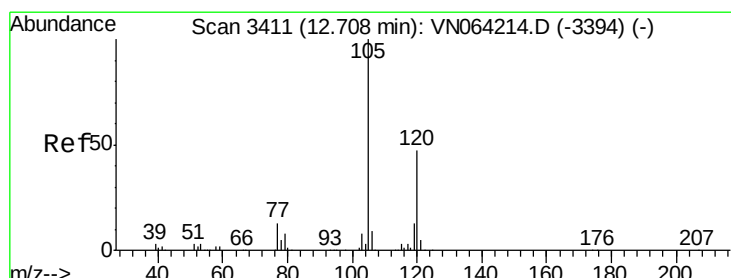
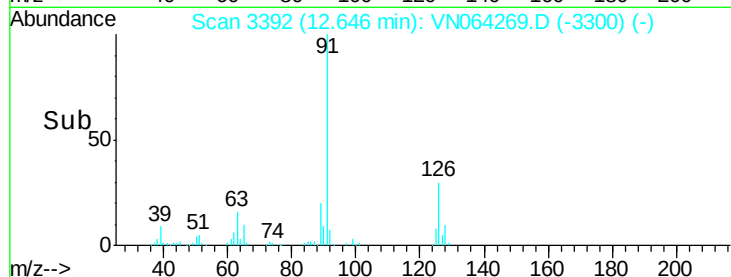
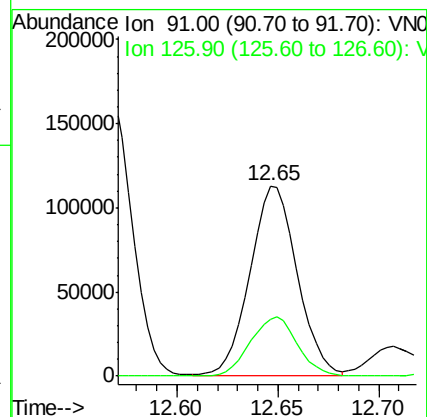
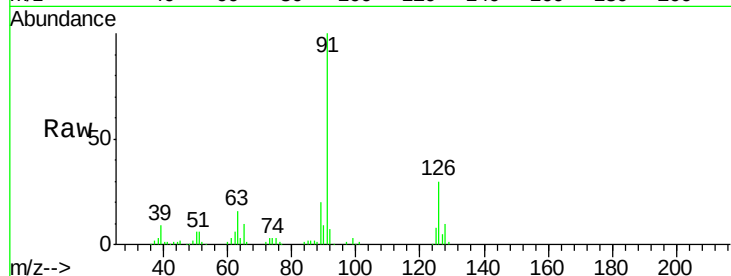
126 31.5 16.0 48.0

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#80

1,3,5-Trimethylbenzene

Concen: 19.258 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN064269.D

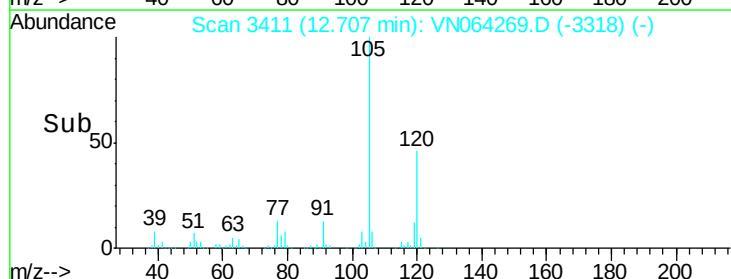
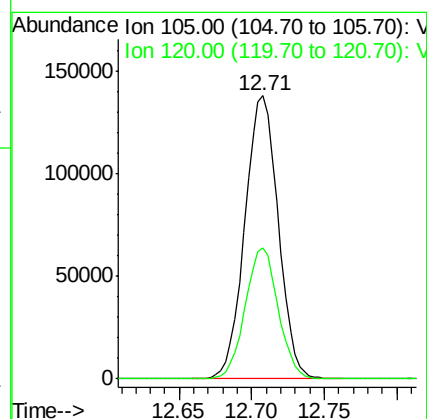
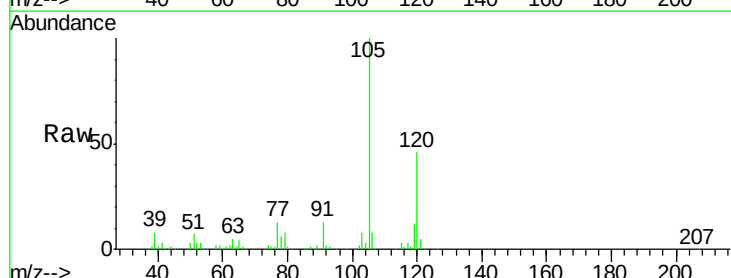
Acq: 22 Oct 2020 22:49

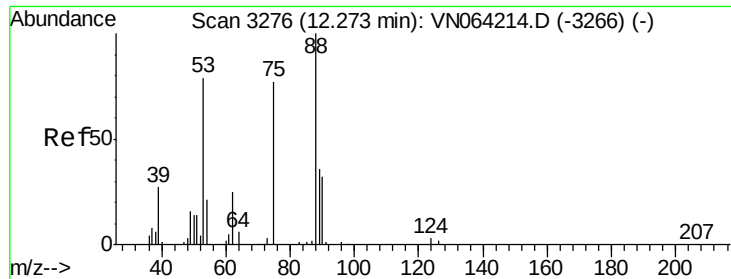
Tgt Ion: 105 Resp: 220911

Ion Ratio Lower Upper

105 100

120 45.6 23.4 70.0





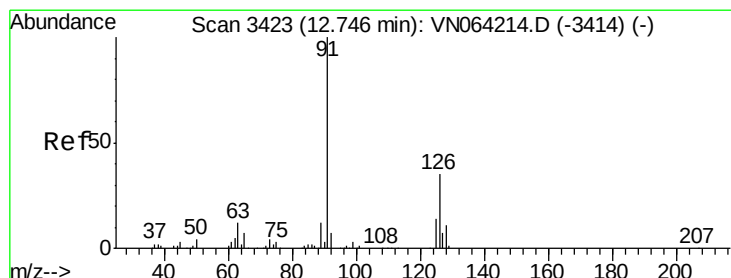
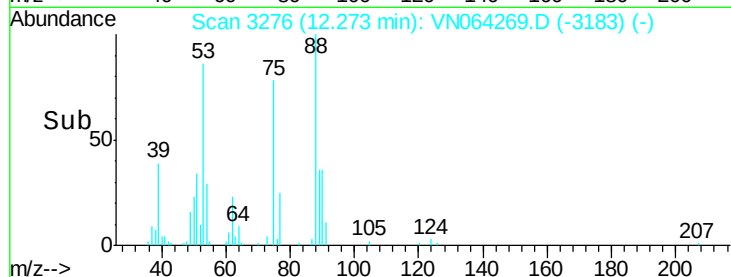
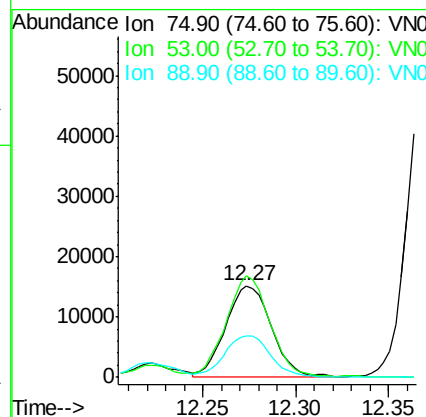
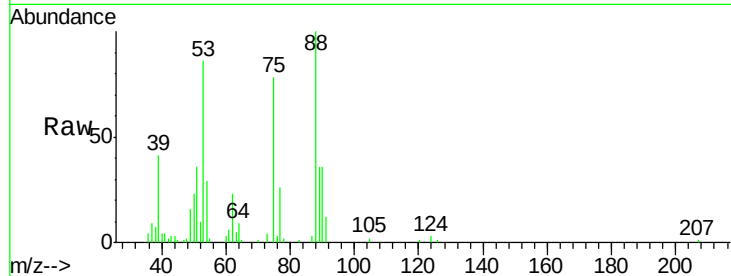
#81
trans-1,4-Dichloro-2-butene
Concen: 17.536 ug/l
RT: 12.27 min Scan# 3276
Delta R.T. -0.00 min
Lab File: VN064269.D
Acq: 22 Oct 2020 22:49

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
53	104.5	81.0	121.4
89	45.6	38.7	58.1

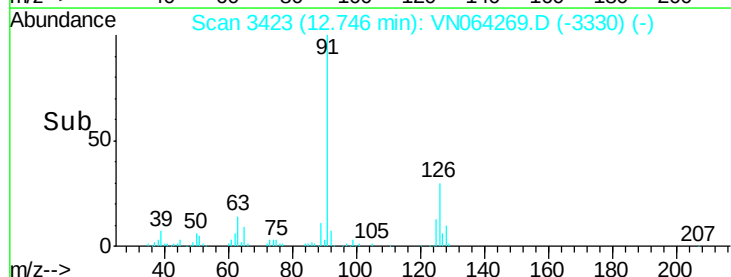
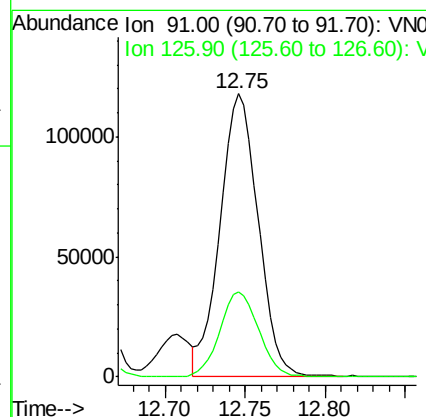
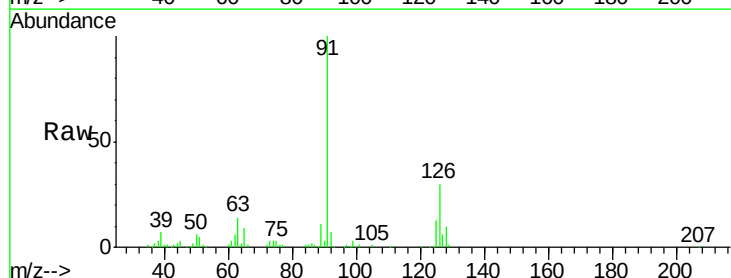
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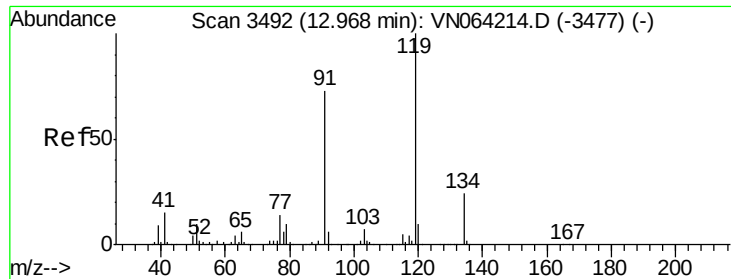
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#82
4-Chlorotoluene
Concen: 19.577 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. -0.00 min
Lab File: VN064269.D
Acq: 22 Oct 2020 22:49

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.9	15.8	47.3





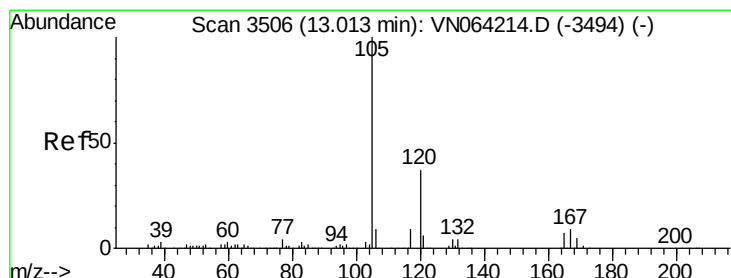
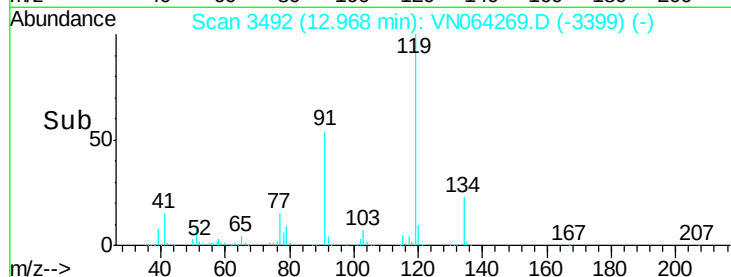
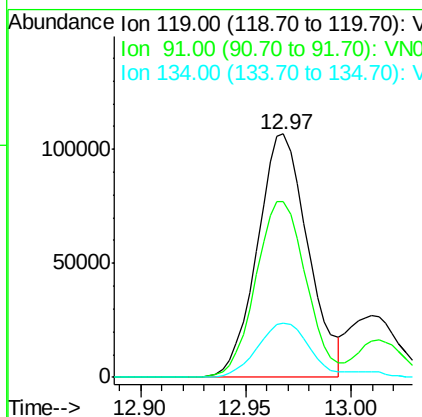
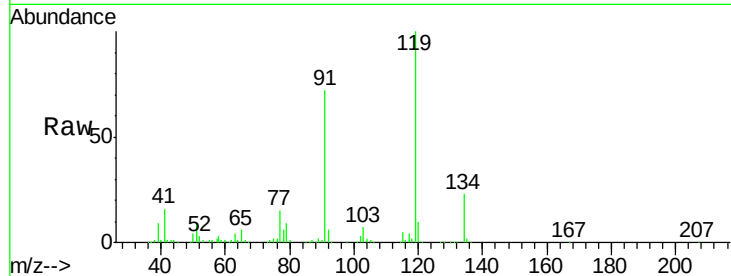
#83
 tert-Butylbenzene
 Concen: 18.979 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. -0.00 min
 Lab File: VN064269.D
 Acq: 22 Oct 2020 22:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1022WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	178495		
91	72.4	35.1	105.3	
134	22.9	11.6	34.8	

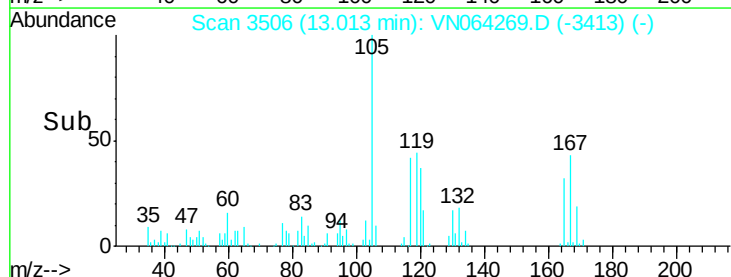
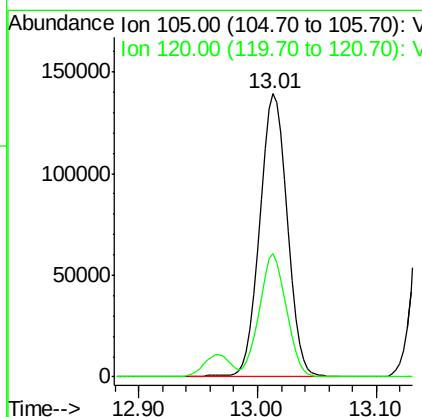
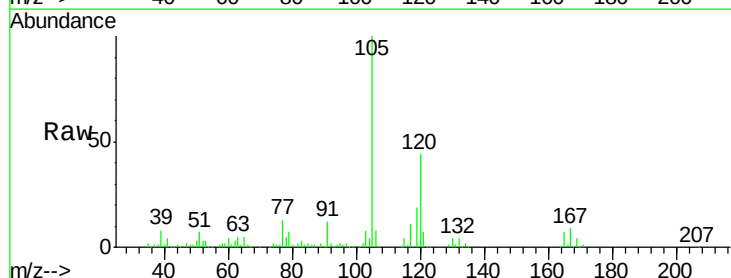
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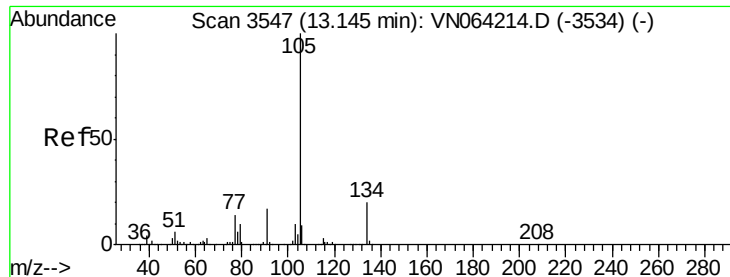
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.617 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. -0.00 min
 Lab File: VN064269.D
 Acq: 22 Oct 2020 22:49

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	223968		
120	42.7	21.5	64.5	





#85

sec-Butylbenzene

Concen: 19.343 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064269.D

Acq: 22 Oct 2020 22:49

Instrument :

MSVOA_N

ClientSampleId :

VN1022WBSD02

Tot Ion:105 Resp: 229340

Ion Ratio Lower Upper

105 100

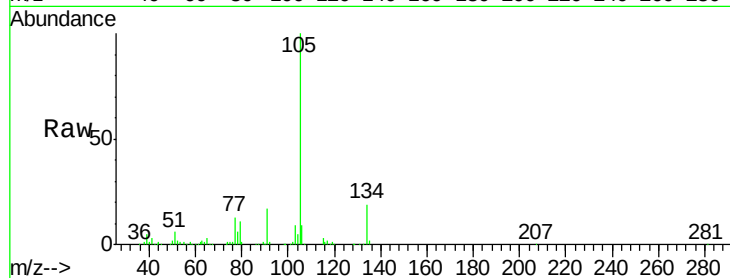
134 19.3 9.7 29.1

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.14

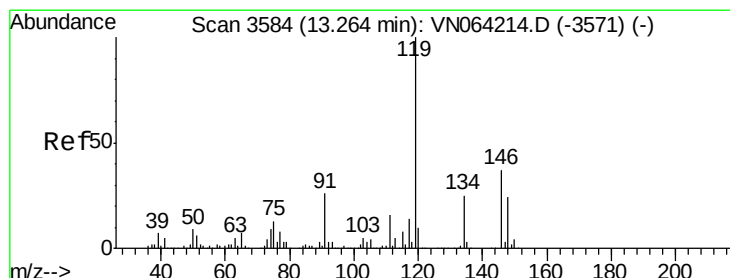
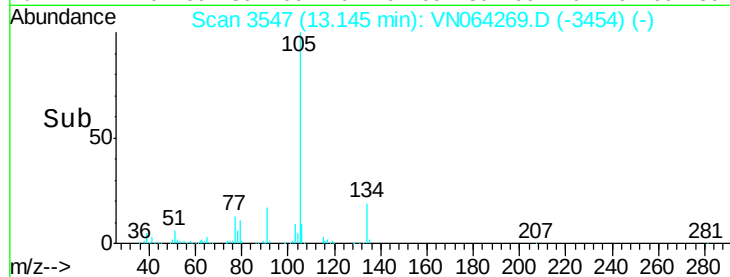
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.384 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. -0.00 min

Lab File: VN064269.D

Acq: 22 Oct 2020 22:49

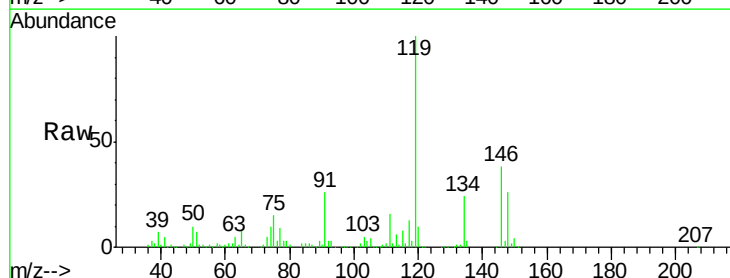
Tgt Ion:119 Resp: 209289

Ion Ratio Lower Upper

119 100

134 24.1 13.1 39.3

91 26.7 13.4 40.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.26

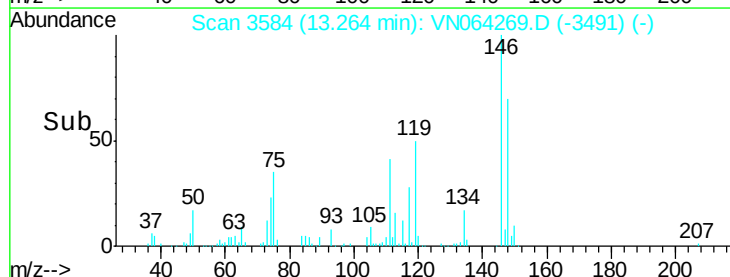
150000

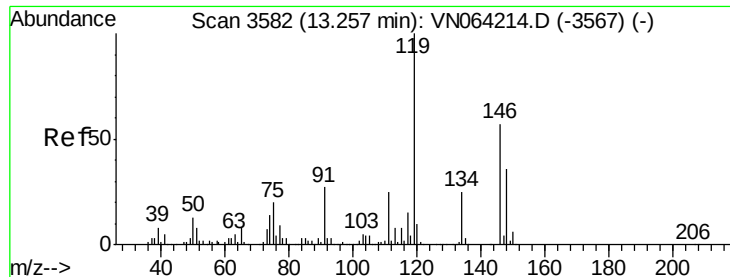
100000

50000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 18.959 ug/l

RT: 13.26 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN064269.D

Acq: 22 Oct 2020 22:49

Instrument :

MSVOA_N

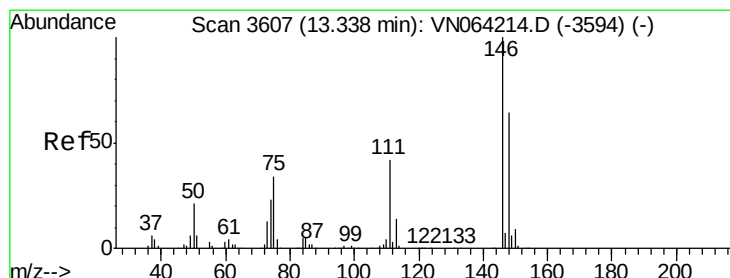
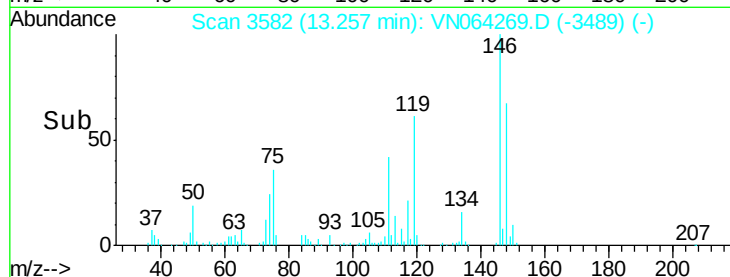
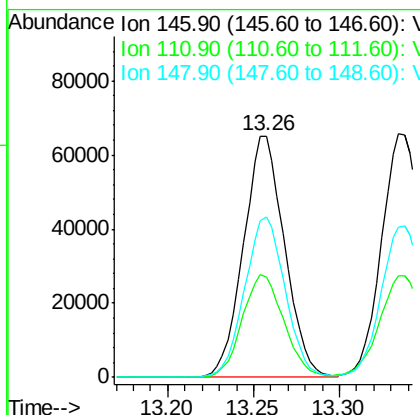
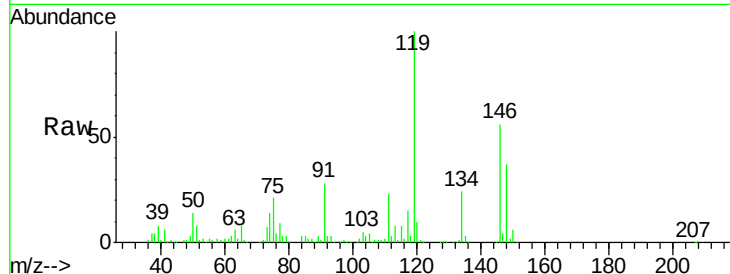
ClientSampleId :

VN1022WBSD02

Tot Ion:	146	Resp:	108061
Ion Ratio	Lower	Upper	
146	100		
111	43.0	21.6	65.0
148	65.4	31.7	95.1

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#88

1,4-Dichlorobenzene

Concen: 18.718 ug/l

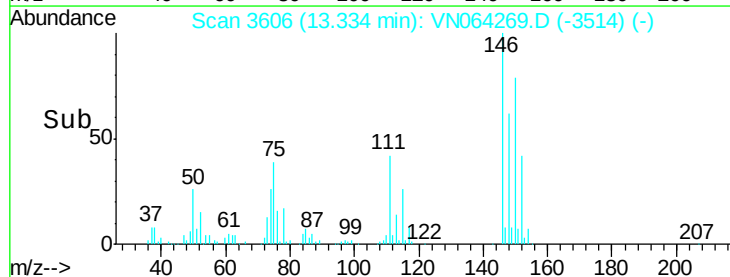
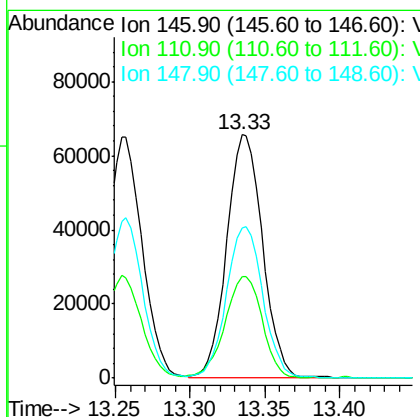
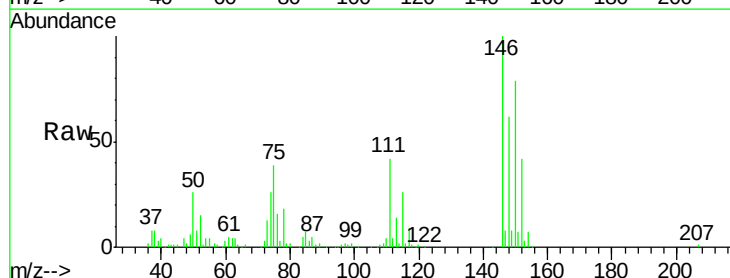
RT: 13.33 min Scan# 3606

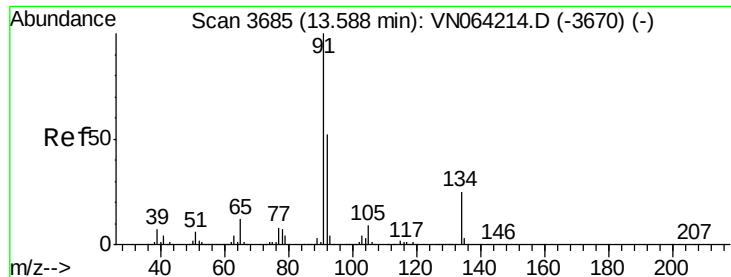
Delta R.T. -0.00 min

Lab File: VN064269.D

Acq: 22 Oct 2020 22:49

Tgt Ion:	146	Resp:	109202
Ion Ratio	Lower	Upper	
146	100		
111	43.2	21.5	64.5
148	64.1	32.0	96.0





#89

n-Butylbenzene

Concen: 18.495 ug/l

RT: 13.59 min Scan# 3685

Delta R.T. -0.00 min

Lab File: VN064269.D

Acq: 22 Oct 2020 22:49

Instrument :

MSVOA_N

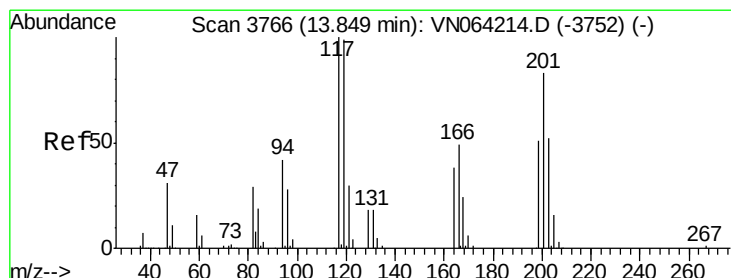
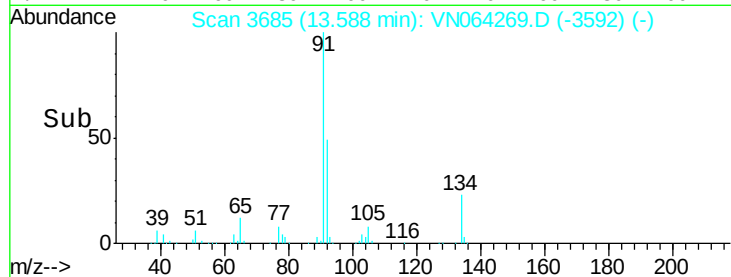
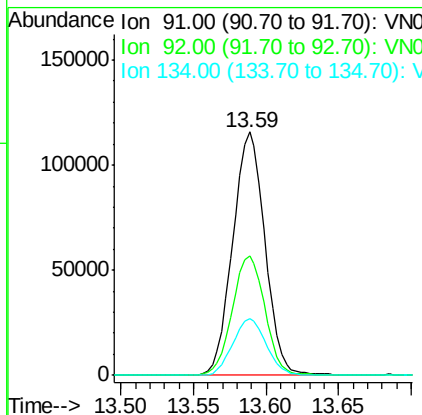
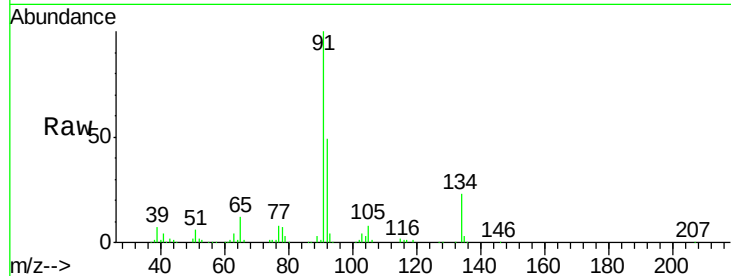
ClientSampleId :

VN1022WBSD02

Tot Ion:	91	Resp:	179005
Ion	Ratio	Lower	Upper
91	100		
92	49.6	25.7	77.0
134	24.3	12.3	36.8

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#90

Hexachloroethane

Concen: 18.528 ug/l

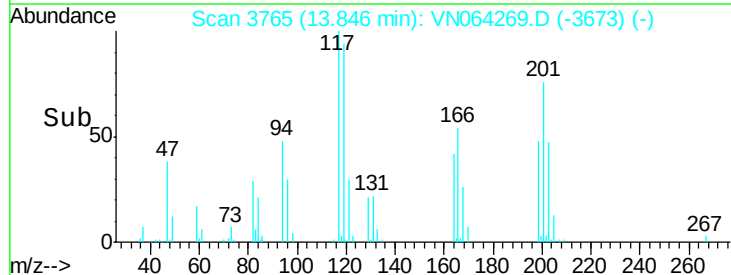
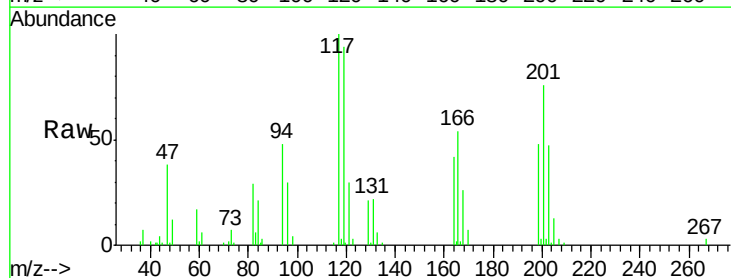
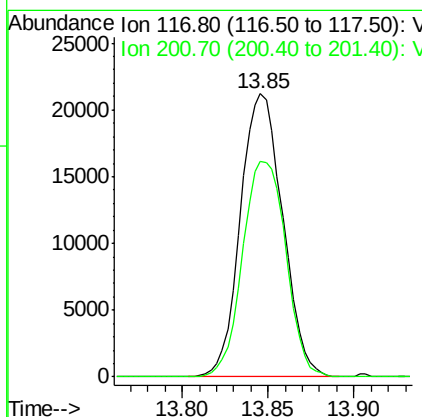
RT: 13.85 min Scan# 3765

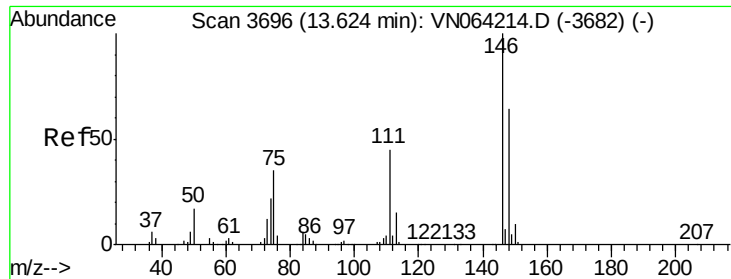
Delta R.T. -0.00 min

Lab File: VN064269.D

Acq: 22 Oct 2020 22:49

Tgt Ion:	117	Resp:	36231
Ion	Ratio	Lower	Upper
117	100		
201	77.9	40.1	120.3





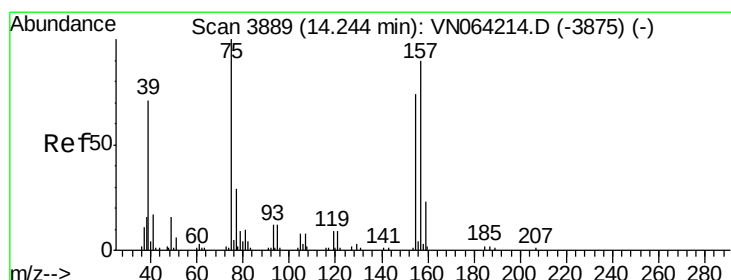
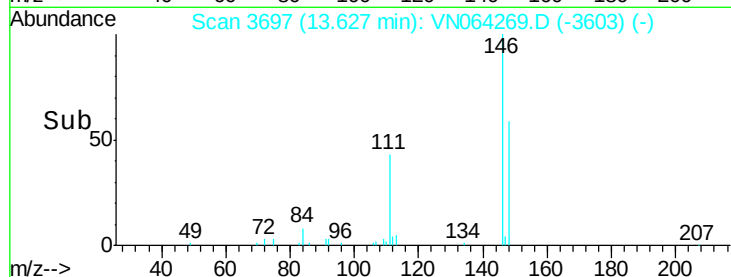
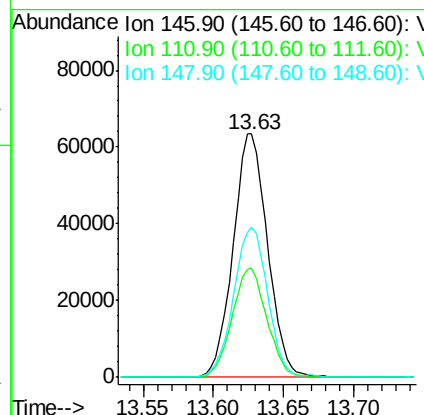
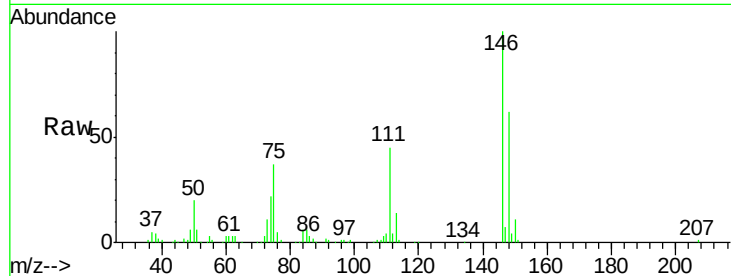
#91
 1,2-Dichlorobenzene
 Concen: 19.403 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064269.D
 Acq: 22 Oct 2020 22:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1022WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	108498		
111	45.1	22.9	68.7	
148	60.9	31.9	95.5	

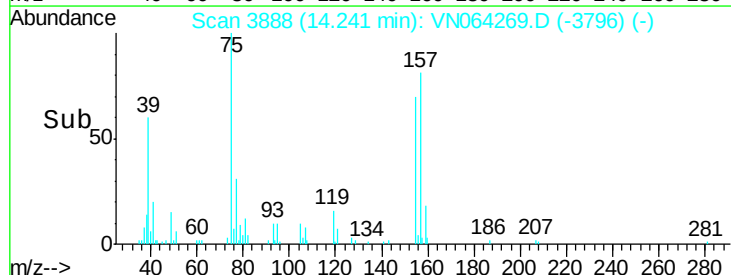
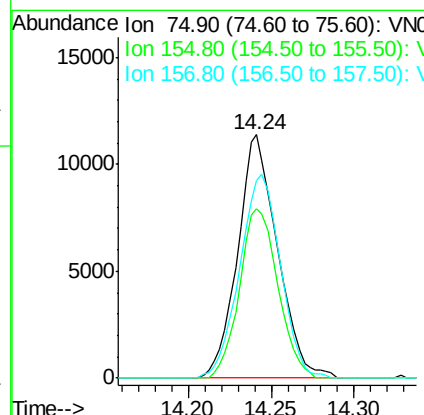
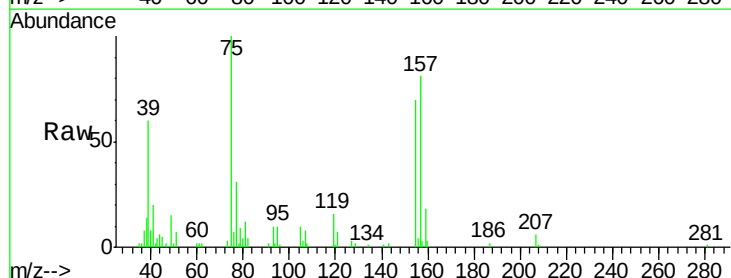
Manual Integrations
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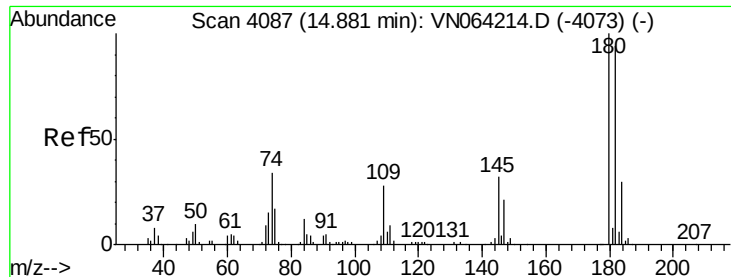
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 10/23/2020 3:36:27 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.120 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN064269.D
 Acq: 22 Oct 2020 22:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	18972		
155	67.1	36.9	110.7	
157	85.7	44.6	133.8	





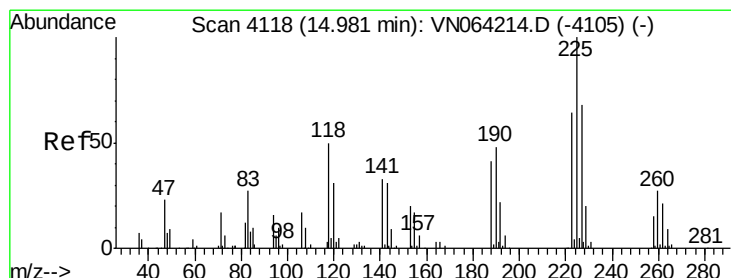
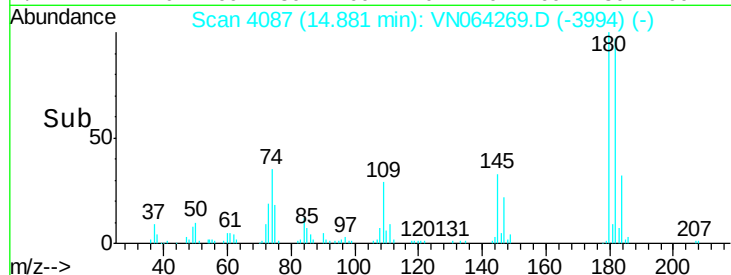
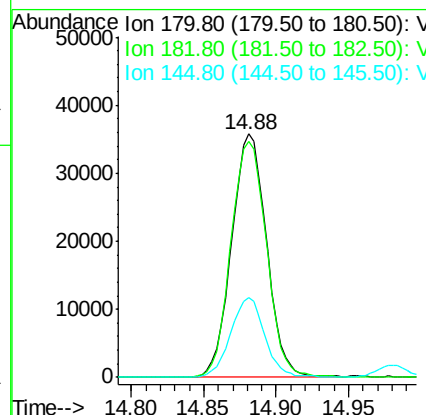
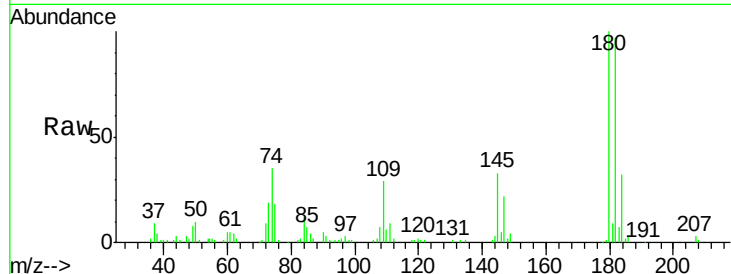
#93
 1,2,4-Trichlorobenzene
 Concen: 19.089 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN064269.D
 Acq: 22 Oct 2020 22:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1022WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	59866		
182	98.5	46.9	140.7	
145	32.0	16.1	48.3	

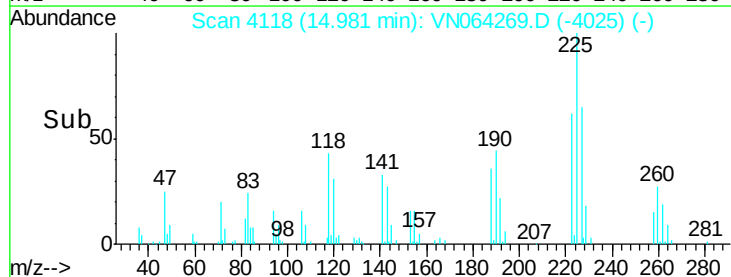
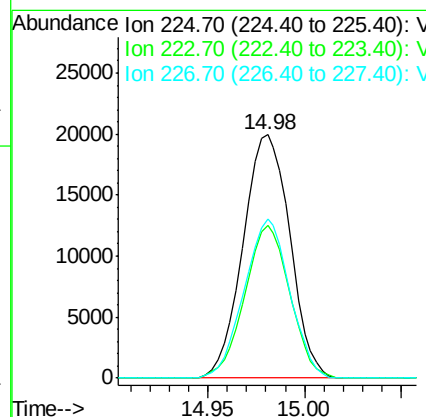
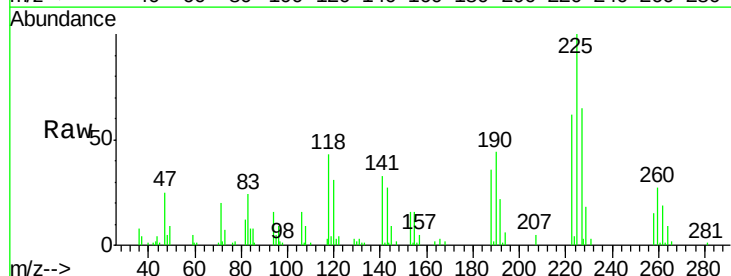
Manual Integrations
 APPROVED

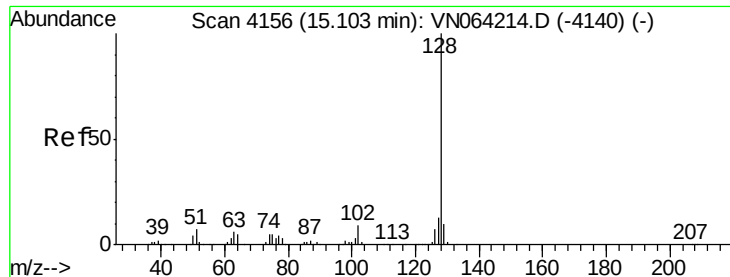
MMDadoda
 10/23/2020 3:36:27 PM



#94
 Hexachlorobutadiene
 Concen: 19.865 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064269.D
 Acq: 22 Oct 2020 22:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	33602		
223	60.4	31.5	94.5	
227	63.5	32.1	96.5	





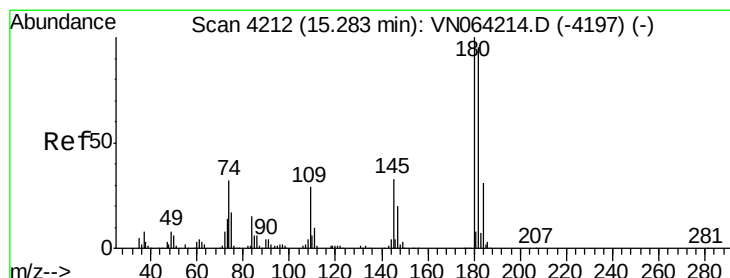
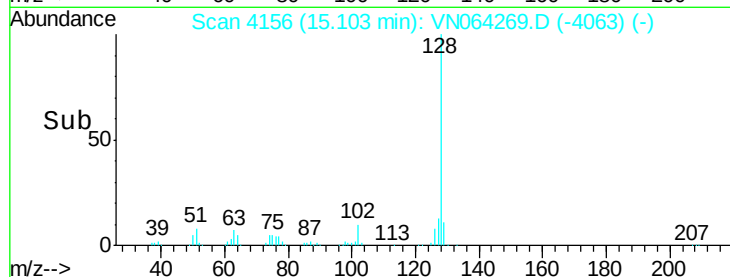
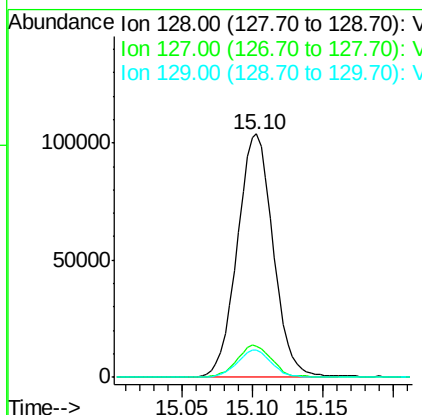
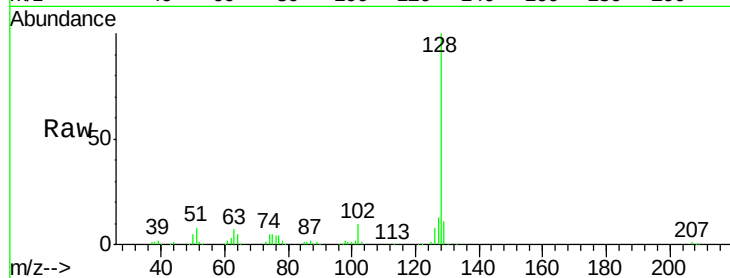
#95
Naphthalene
Concen: 19.678 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. -0.00 min
Lab File: VN064269.D
Acq: 22 Oct 2020 22:49

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD02

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	10.7	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/23/2020 3:36:27 PM



#96
1,2,3-Trichlorobenzene
Concen: 18.550 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN064269.D
Acq: 22 Oct 2020 22:49

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	48.0	144.2
145	33.7	17.1	51.3

