

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102220\
 Data File : VN064270.D
 Acq On : 22 Oct 2020 23:13
 Operator : JC/MD
 Sample : VN1022MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1022MBS01

Manual Integrations
 APPROVED

MMDadoda
 10/23/2020 3:36:33 PM

Quant Time: Oct 23 03:31:25 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	7.62	168	259259	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	437319	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	387565	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	184022	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	197611	51.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.66%	
35) Dibromofluoromethane	7.55	113	140597	48.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.72%	
50) Toluene-d8	10.06	98	518545	49.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.34%	
62) 4-Bromofluorobenzene	12.37	95	202454	47.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	60740	19.661	ug/l	99
3) Chloromethane	2.04	50	60628	20.233	ug/l	97
4) Vinyl Chloride	2.16	62	60801	20.466	ug/l	96
5) Bromomethane	2.54	94	36833	19.021	ug/l	99
6) Chloroethane	2.68	64	35028	19.369	ug/l	96
7) Trichlorofluoromethane	2.99	101	104873	21.467	ug/l	99
8) Diethyl Ether	3.37	74	33685	20.844	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	49513	19.599	ug/l	97
10) Methyl Iodide	3.92	142	65113	18.125	ug/l	97
11) Tert butyl alcohol	4.73	59	49237	95.534	ug/l #	77
12) 1,1-Dichloroethene	3.70	96	47073	19.373	ug/l	97
13) Acrolein	3.57	56	26357	81.468	ug/l	95
14) Allyl chloride	4.28	41	88175	18.131	ug/l	96
15) Acrylonitrile	4.93	53	107789	101.141	ug/l	99
16) Acetone	3.78	43	112749	102.347	ug/l	95
17) Carbon Disulfide	4.01	76	132471	19.113	ug/l	98
18) Methyl Acetate	4.28	43	56181	20.013	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	167422	20.042	ug/l	97
20) Methylene Chloride	4.51	84	58285	19.841	ug/l	96
21) trans-1,2-Dichloroethene	4.99	96	52326	19.529	ug/l	97
22) Diisopropyl ether	5.90	45	168755	18.666	ug/l	94
23) Vinyl Acetate	5.84	43	786504	97.552	ug/l	100
24) 1,1-Dichloroethane	5.80	63	104206	19.897	ug/l	98
25) 2-Butanone	6.78	43	175815	100.452	ug/l	95
26) 2,2-Dichloropropane	6.78	77	88359	16.947	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	61180	19.607	ug/l	96
28) Bromochloromethane	7.16	49	46044	18.506	ug/l #	14
29) Tetrahydrofuran	7.17	42	105895	101.146	ug/l	100
30) Chloroform	7.33	83	112391	20.119	ug/l	100
31) Cyclohexane	7.61	56	82459	18.067	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	105223	20.106	ug/l	98
36) 1,1-Dichloropropene	7.75	75	82330	18.884	ug/l	98
37) Ethyl Acetate	6.88	43	77050	19.465	ug/l #	91
38) Carbon Tetrachloride	7.73	117	93103	18.769	ug/l	98

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 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)
39) Methylcyclohexane	9.05	83	72434	18.271	ug/l	96
40) Benzene	8.00	78	220892	18.354	ug/l	98
41) Methacrylonitrile	7.13	41	30949m	14.905	ug/l	
42) 1,2-Dichloroethane	8.09	62	98922	19.187	ug/l	98
43) Isopropyl Acetate	8.13	43	140418	19.034	ug/l #	91
44) Trichloroethene	8.80	130	62377	19.020	ug/l	94
45) 1,2-Dichloropropane	9.08	63	60070	18.696	ug/l	97
46) Dibromomethane	9.17	93	42674	19.780	ug/l	97
47) Bromodichloromethane	9.37	83	90909	19.073	ug/l	99
48) Methyl methacrylate	9.17	41	69658	18.075	ug/l	98
49) 1,4-Dioxane	9.16	88	17228	382.074	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	379446	96.238	ug/l	100
52) Toluene	10.13	92	136470	17.722	ug/l	93
53) t-1,3-Dichloropropene	10.35	75	99013	18.700	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	102161	18.325	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	55283	19.008	ug/l	96
56) Ethyl methacrylate	10.40	69	85370	18.983	ug/l	98
57) 1,3-Dichloropropane	10.68	76	97241	19.248	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	214702	92.714	ug/l	100
59) 2-Hexanone	10.72	43	271014	94.120	ug/l	100
60) Dibromochloromethane	10.87	129	67408	17.903	ug/l	99
61) 1,2-Dibromoethane	10.98	107	58263	18.984	ug/l	99
64) Tetrachloroethene	10.60	164	62091	19.900	ug/l	99
65) Chlorobenzene	11.41	112	151233	18.851	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	60050	18.858	ug/l	98
67) Ethyl Benzene	11.48	91	282463	19.159	ug/l	99
68) m/p-Xylenes	11.59	106	207507	37.988	ug/l	98
69) o-Xylene	11.92	106	101937	19.295	ug/l	99
70) Styrene	11.94	104	167028	18.862	ug/l	99
71) Bromoform	12.10	173	45601	18.538	ug/l #	98
73) Isopropylbenzene	12.22	105	266090	18.959	ug/l	99
74) N-amyl acetate	12.05	43	116613	19.228	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	71873	19.297	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	74047m	19.087	ug/l	
77) Bromobenzene	12.50	156	65165	19.667	ug/l	96
78) n-propylbenzene	12.57	91	298359	18.854	ug/l	99
79) 2-Chlorotoluene	12.65	91	190191	19.567	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	225583	19.012	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	25792	16.785	ug/l	89
82) 4-Chlorotoluene	12.75	91	195569	19.289	ug/l	100
83) tert-Butylbenzene	12.97	119	184610	18.977	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	228886	19.381	ug/l	99
85) sec-Butylbenzene	13.14	105	240402	19.602	ug/l	99
86) p-Isopropyltoluene	13.26	119	211583	18.945	ug/l	98
87) 1,3-Dichlorobenzene	13.25	146	112455	19.074	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	110539	18.318	ug/l	95
89) n-Butylbenzene	13.59	91	184090	18.388	ug/l	99
90) Hexachloroethane	13.85	117	36170	17.882	ug/l	95
91) 1,2-Dichlorobenzene	13.62	146	108924	18.832	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.24	75	18141	19.523	ug/l	97

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ClientSampleId :
VN1022MBS01

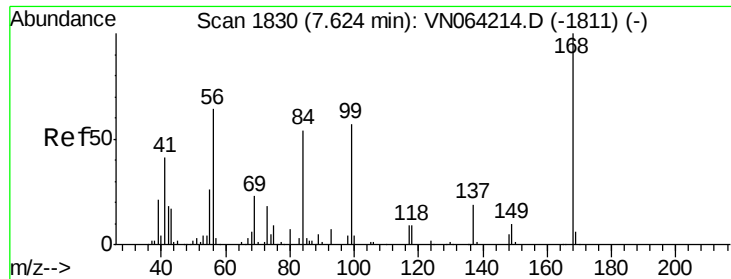
Manual Integrations
APPROVED

MMDadoda
10/23/2020 3:36:33 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	60458	18.637	ug/l	99
94) Hexachlorobutadiene	14.98	225	32507	18.579	ug/l	98
95) Naphthalene	15.10	128	186494	19.197	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	59338	18.468	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064270.D

Acq: 22 Oct 2020 23:13

Instrument :

MSVOA_N

ClientSampleId :

VN1022MBS01

Tot Ion:168 Resp: 259259

Ion Ratio Lower Upper

168 100

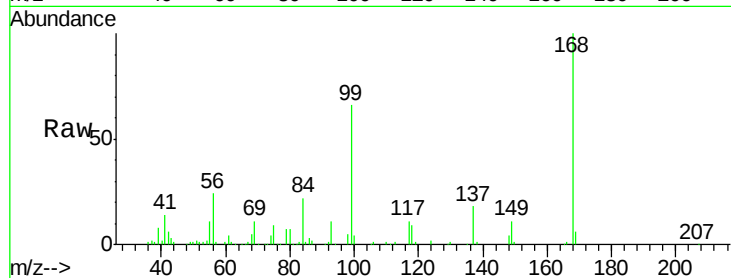
99 65.7 54.0 81.0

Manual Integrations

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10/23/2020 3:36:33 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNC

7.62

120000

100000

80000

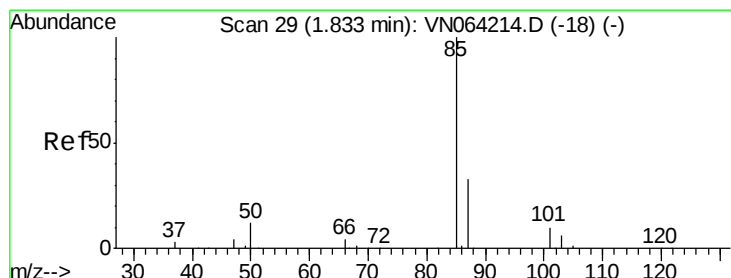
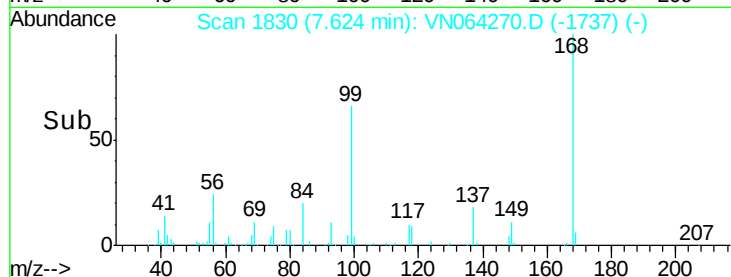
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.661 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064270.D

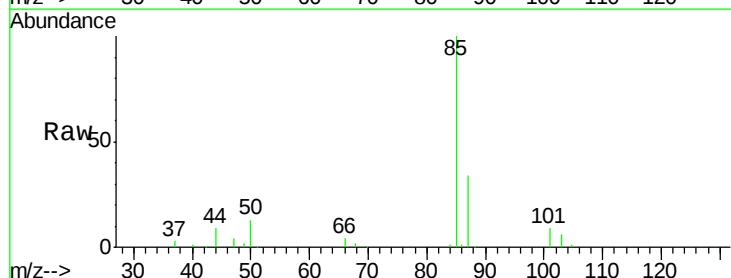
Acq: 22 Oct 2020 23:13

Tgt Ion: 85 Resp: 60740

Ion Ratio Lower Upper

85 100

87 33.7 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VNC

Ion 86.90 (86.60 to 87.60): VNC

1.83

50000

40000

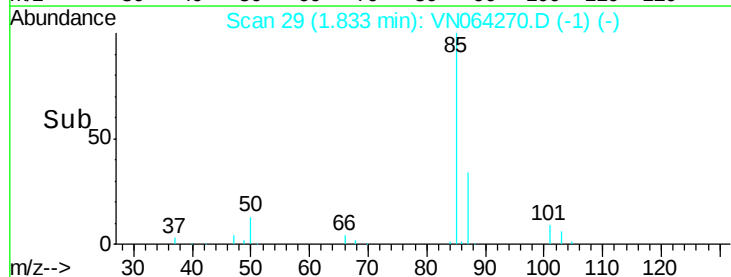
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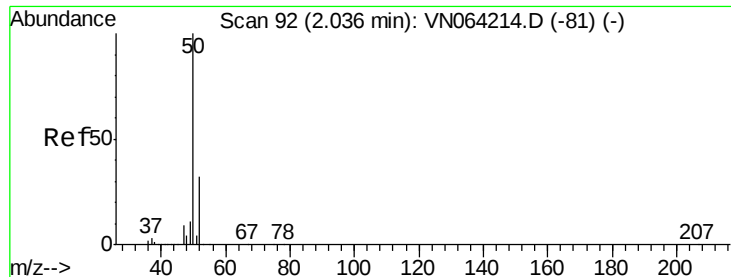
20000

10000

0

Time-->





#3

Chloromethane

Concen: 20.233 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064270.D

Acq: 22 Oct 2020 23:13

Instrument :

MSVOA_N

ClientSampleId :

VN1022MBS01

Tot Ion: 50 Resp: 60628

Ion Ratio Lower Upper

50 100

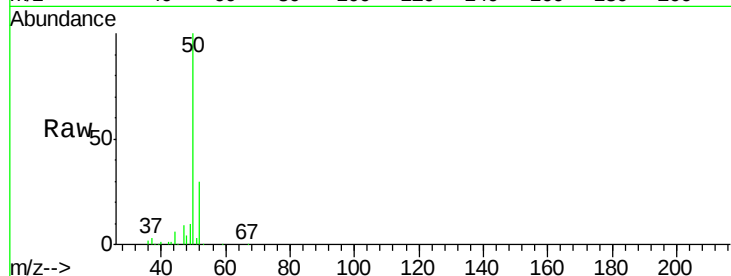
52 30.2 25.3 37.9

Manual Integrations

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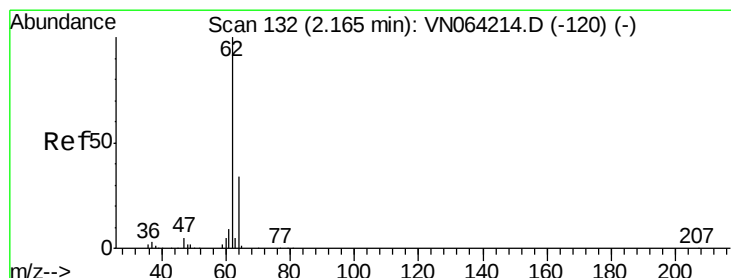
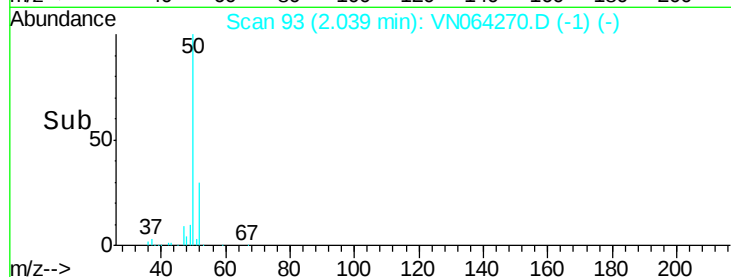
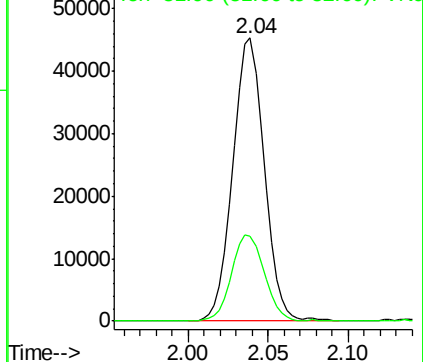
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 20.466 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN064270.D

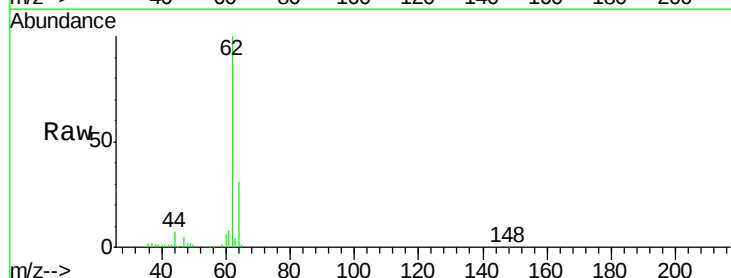
Acq: 22 Oct 2020 23:13

Tgt Ion: 62 Resp: 60801

Ion Ratio Lower Upper

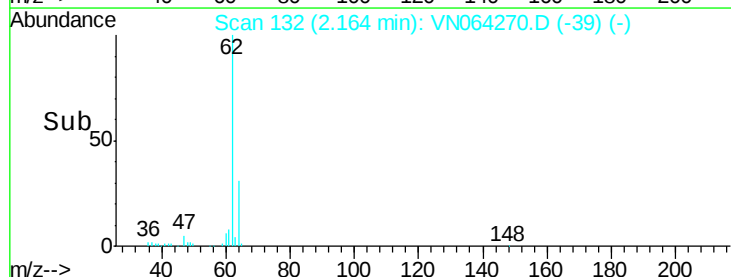
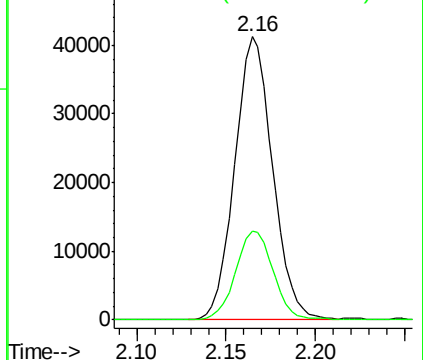
62 100

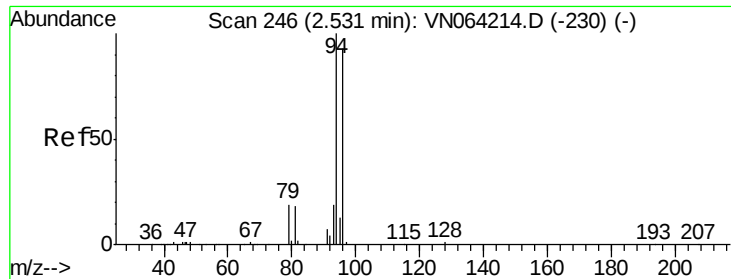
64 31.5 26.8 40.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 19.021 ug/l

RT: 2.54 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN064270.D

Acq: 22 Oct 2020 23:13

Instrument :

MSVOA_N

ClientSampleId :

VN1022MBS01

Tot Ion: 94 Resp: 36833

Ion Ratio Lower Upper

94 100

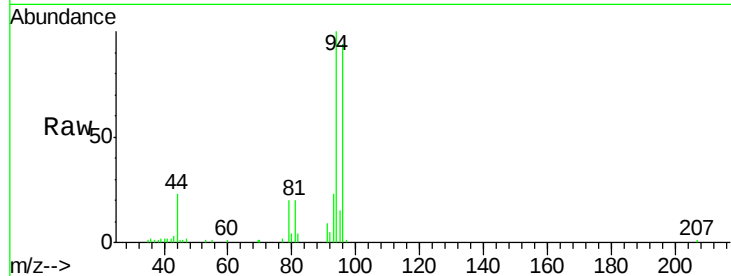
96 93.8 74.2 111.4

Manual Integrations

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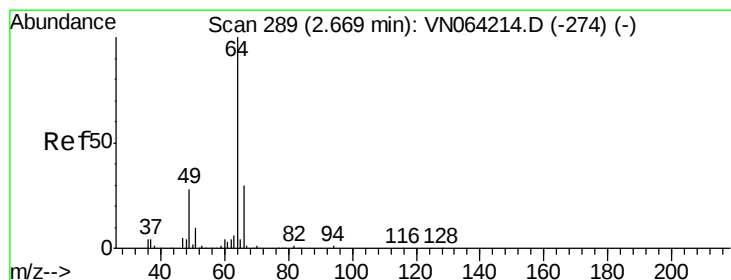
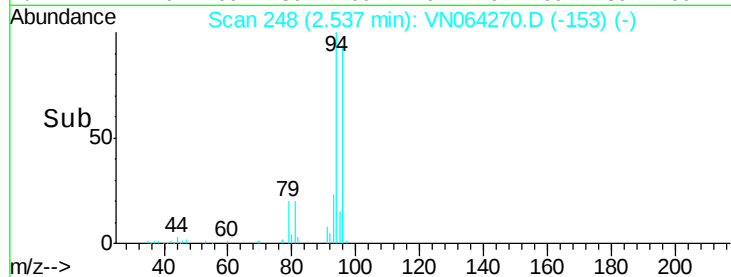
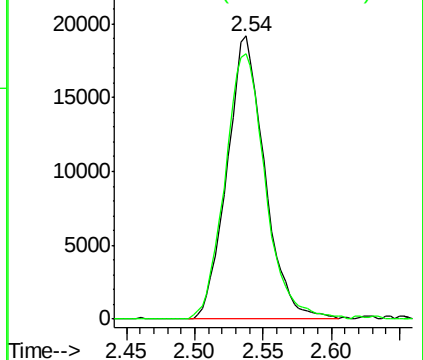
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 19.369 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.01 min

Lab File: VN064270.D

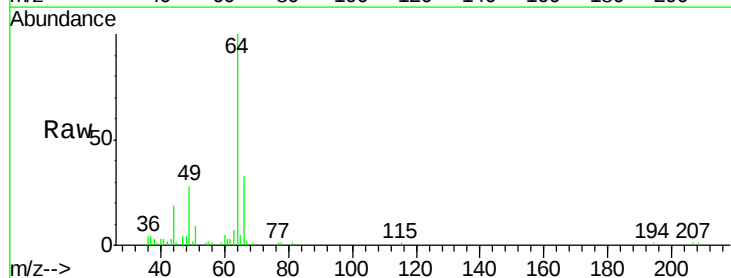
Acq: 22 Oct 2020 23:13

Tgt Ion: 64 Resp: 35028

Ion Ratio Lower Upper

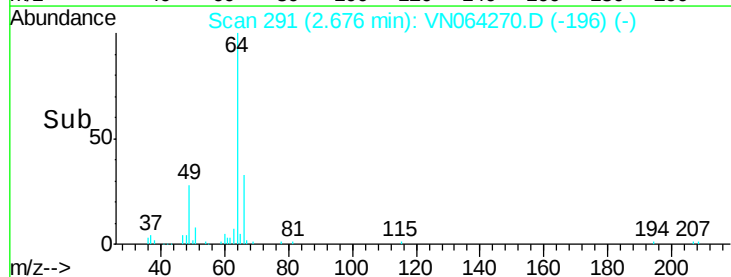
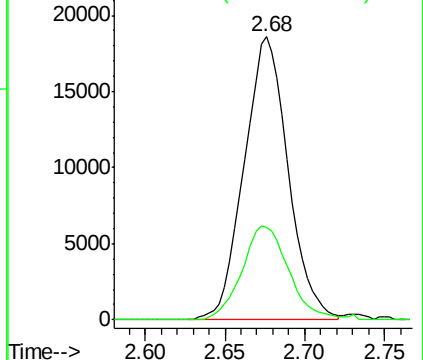
64 100

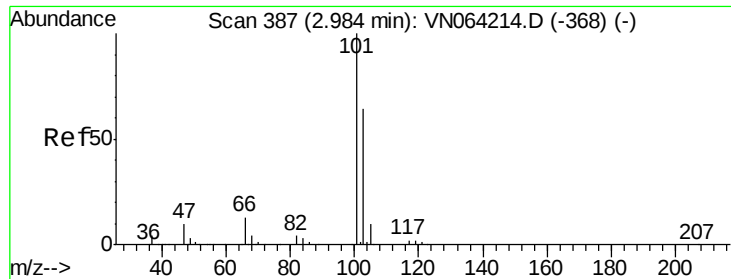
66 32.9 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

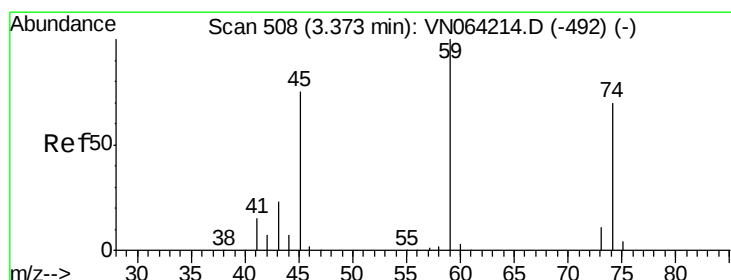
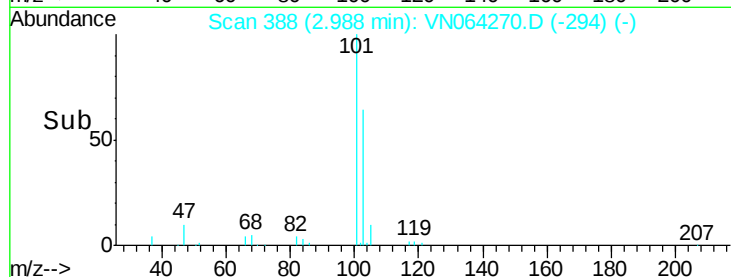
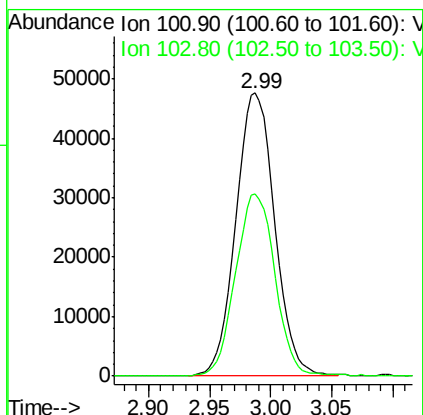
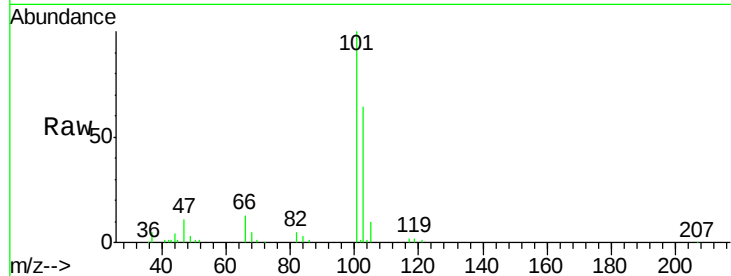
Trichlorofluoromethane
Concen: 21.467 ug/l
RT: 2.99 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN064270.D
Acq: 22 Oct 2020 23:13

Instrument :
MSVOA_N
ClientSampleId :
VN1022MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.0	76.6

Manual Integrations
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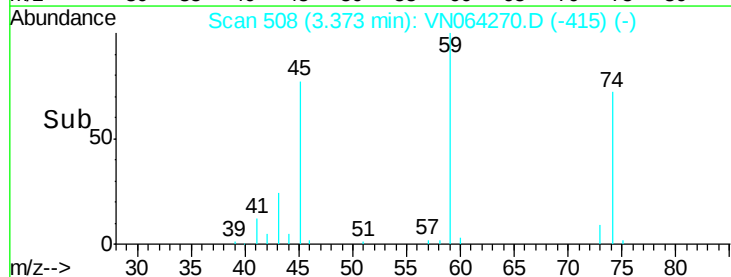
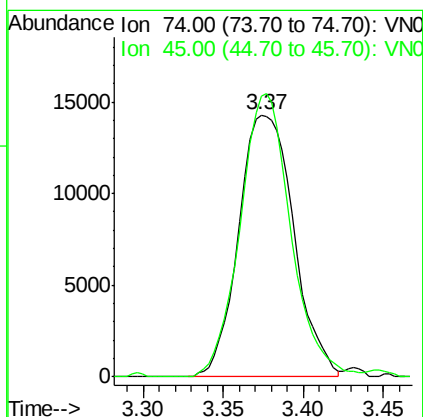
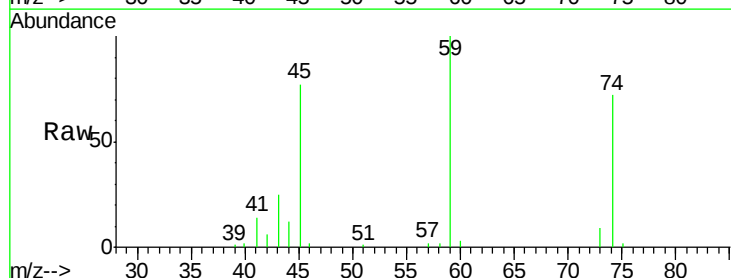
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10/23/2020 3:36:33 PM

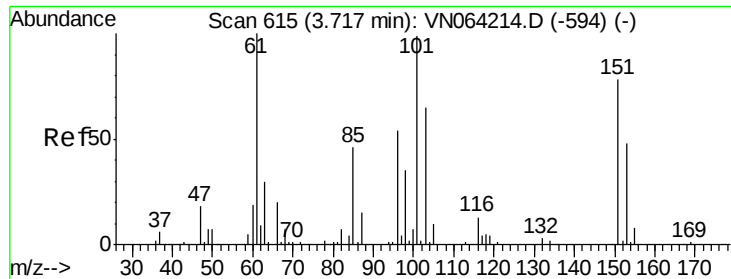


#8

Diethyl Ether
Concen: 20.844 ug/l
RT: 3.37 min Scan# 508
Delta R.T. -0.00 min
Lab File: VN064270.D
Acq: 22 Oct 2020 23:13

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.8	51.3	154.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.599 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN064270.D

Acq: 22 Oct 2020 23:13

Instrument :

MSVOA_N

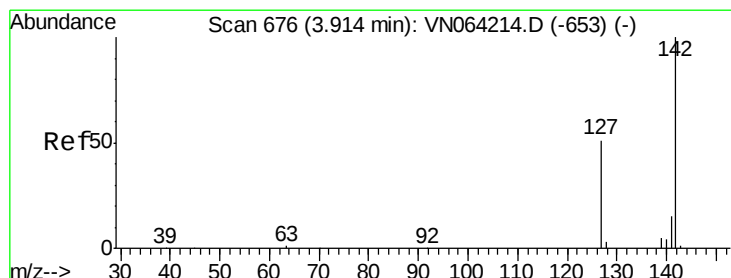
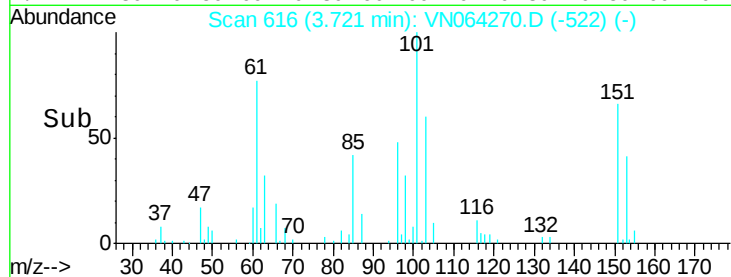
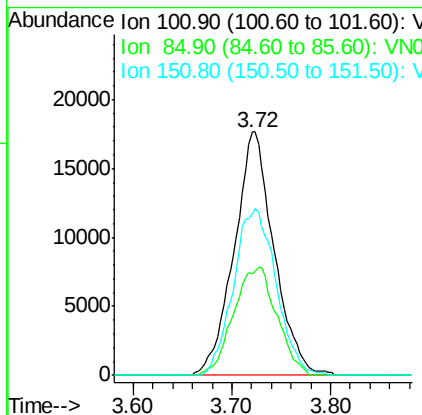
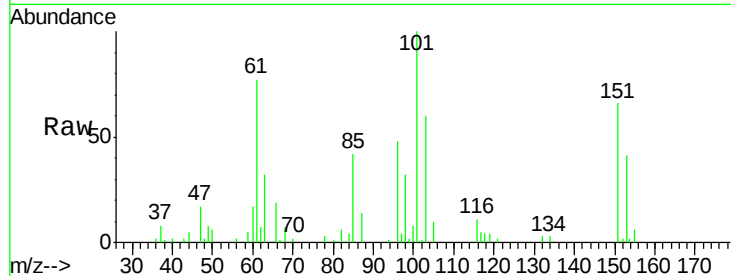
ClientSampleId :

VN1022MBS01

Tot Ion:	101	Resp:	49513
Ion Ratio	Lower	Upper	
101	100		
85	48.1	37.8	56.8
151	72.9	61.4	92.2

Manual Integrations
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#10

Methyl Iodide

Concen: 18.125 ug/l

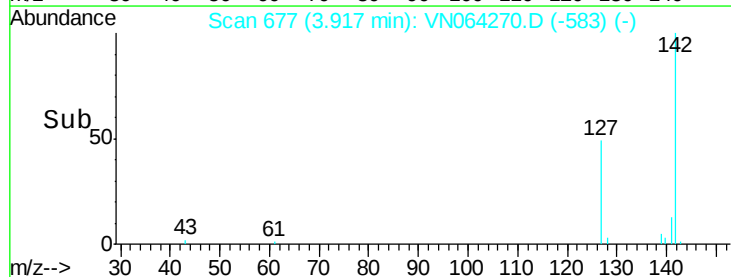
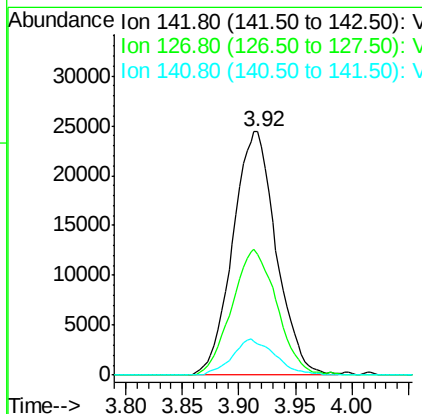
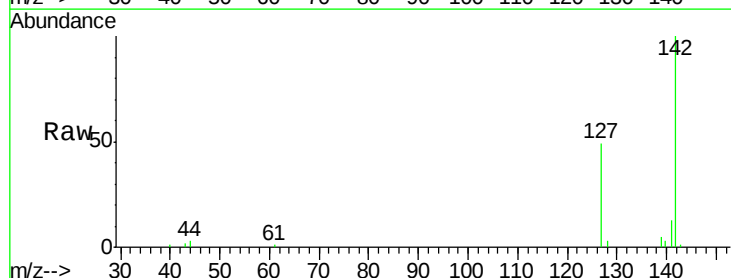
RT: 3.92 min Scan# 677

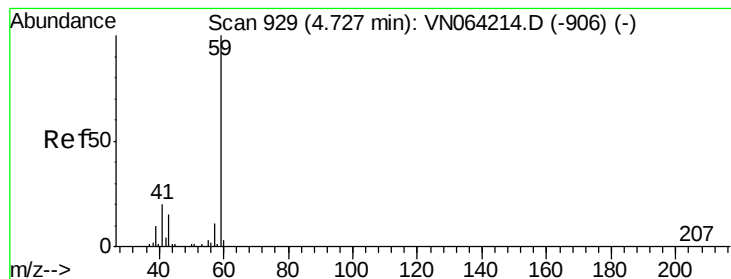
Delta R.T. 0.00 min

Lab File: VN064270.D

Acq: 22 Oct 2020 23:13

Tgt Ion:	142	Resp:	65113
Ion Ratio	Lower	Upper	
142	100		
127	53.5	41.0	61.6
141	14.5	11.3	16.9





#11

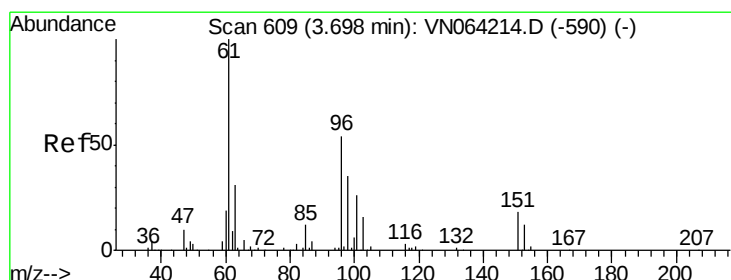
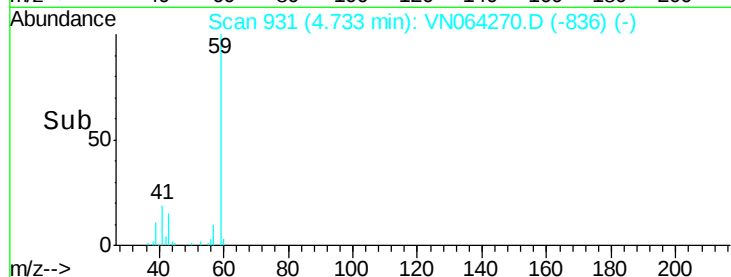
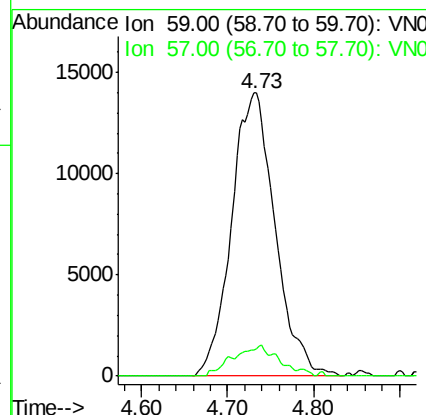
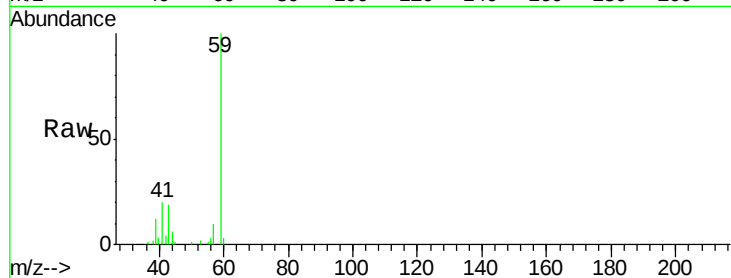
Tert butyl alcohol
 Concen: 95.534 ug/l
 RT: 4.73 min Scan# 931
 Delta R.T. 0.01 min
 Lab File: VN064270.D
 Acq: 22 Oct 2020 23:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1022MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	2.9	9.2	13.8#

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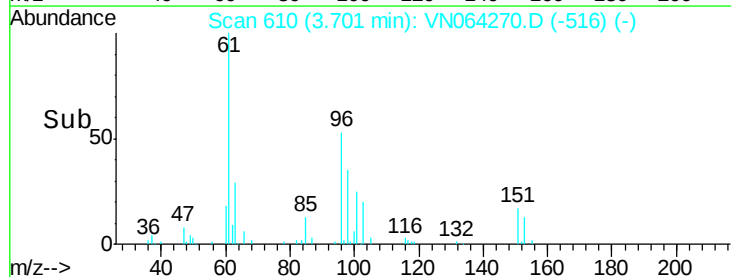
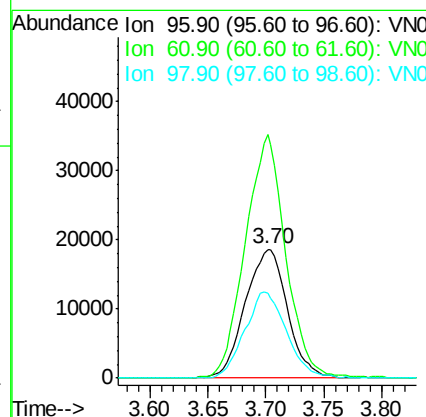
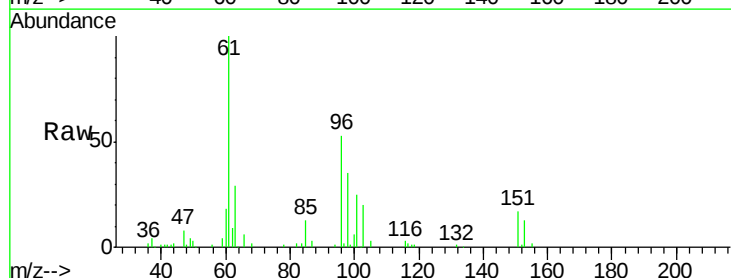
MMDadoda
 10/23/2020 3:36:33 PM

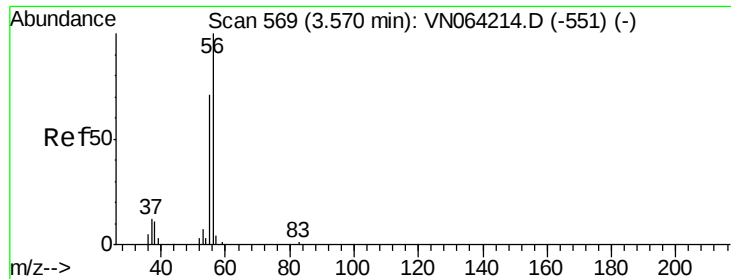


#12

1,1-Dichloroethene
 Concen: 19.373 ug/l
 RT: 3.70 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VN064270.D
 Acq: 22 Oct 2020 23:13

Tgt Ion	Ratio	Lower	Upper
96	100		
61	189.2	147.0	220.4
98	65.7	51.7	77.5





#13

Acrolein

Concen: 81.468 ug/l

RT: 3.57 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN064270.D

Acq: 22 Oct 2020 23:13

Instrument :

MSVOA_N

ClientSampleId :

VN1022MBS01

Tot Ion: 56 Resp: 26357

Ion Ratio Lower Upper

56 100

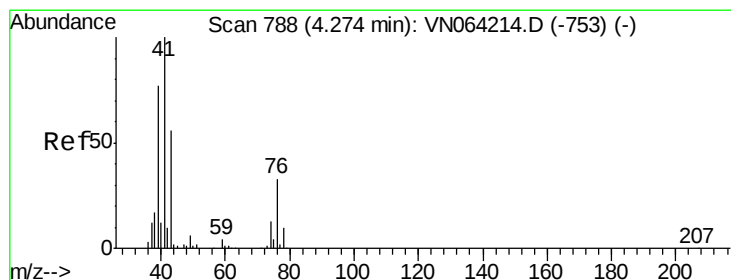
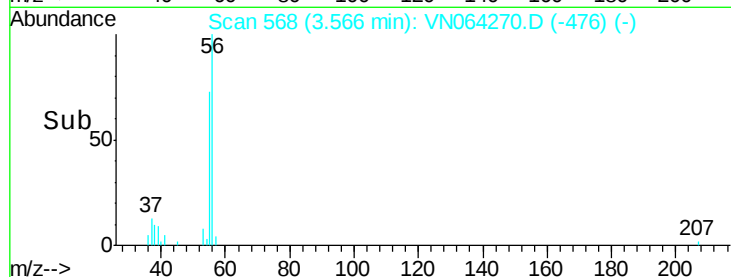
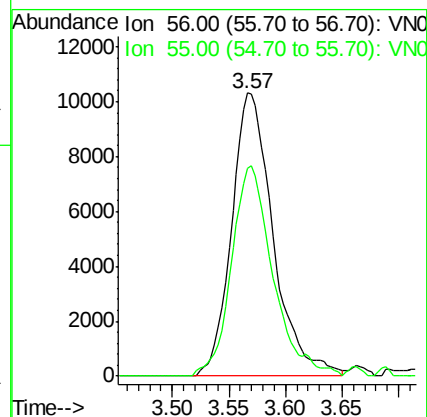
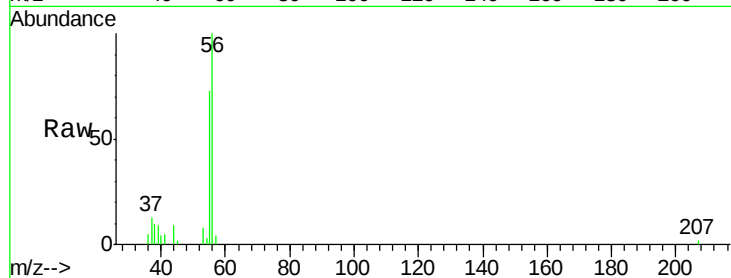
55 73.8 56.1 84.1

Manual Integrations

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#14

Allyl chloride

Concen: 18.131 ug/l

RT: 4.28 min Scan# 790

Delta R.T. 0.01 min

Lab File: VN064270.D

Acq: 22 Oct 2020 23:13

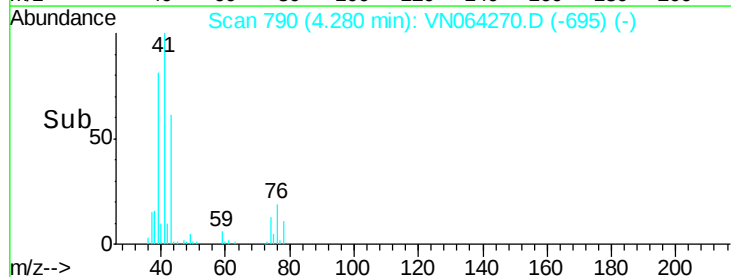
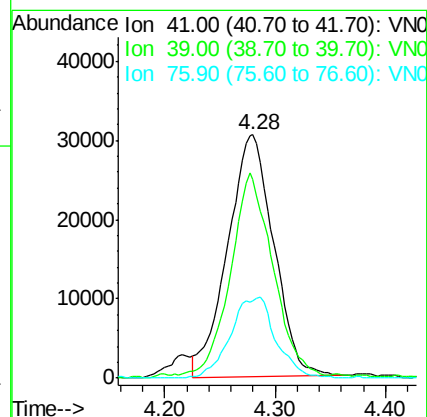
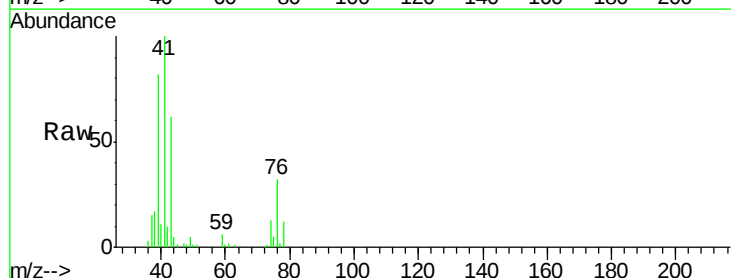
Tgt Ion: 41 Resp: 88175

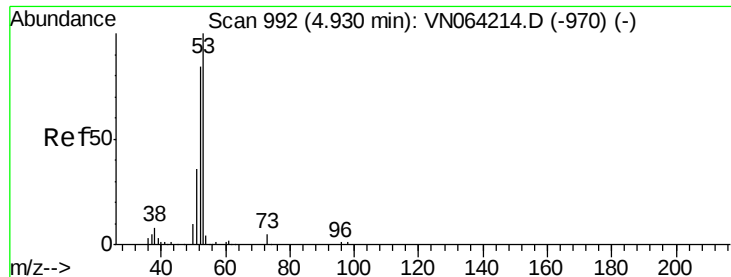
Ion Ratio Lower Upper

41 100

39 76.2 58.6 88.0

76 33.1 24.5 36.7





#15

Acrylonitrile

Concen: 101.141 ug/l

RT: 4.93 min Scan# 993

Delta R.T. 0.00 min

Lab File: VN064270.D

Acq: 22 Oct 2020 23:13

Instrument :

MSVOA_N

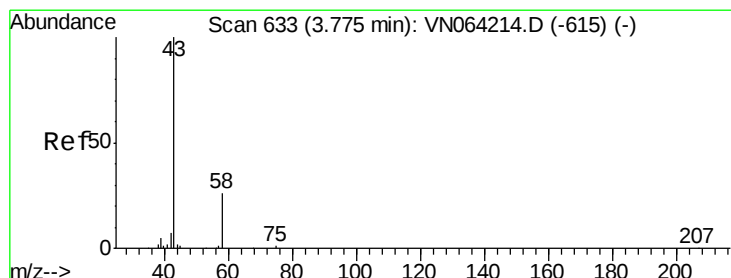
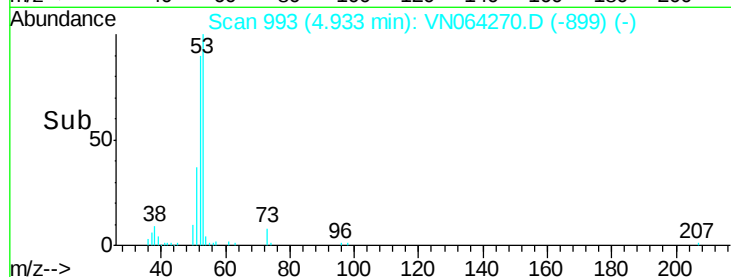
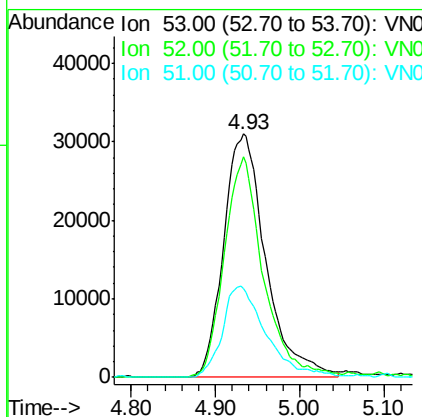
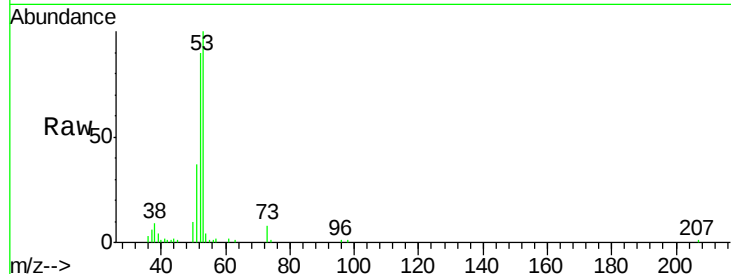
ClientSampleId :

VN1022MBS01

Tot Ion:	53	Resp:	107789
Ion Ratio		Lower	Upper
53	100		
52	83.8	66.8	100.2
51	37.1	30.7	46.1

Manual Integrations
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#16

Acetone

Concen: 102.347 ug/l

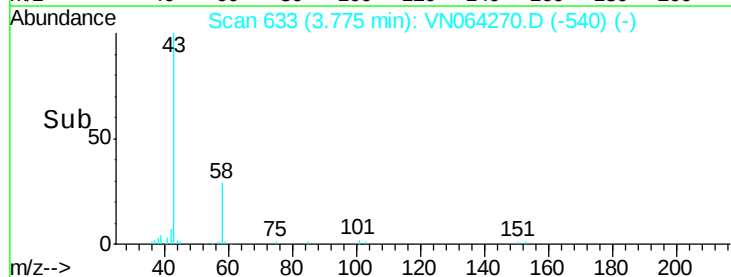
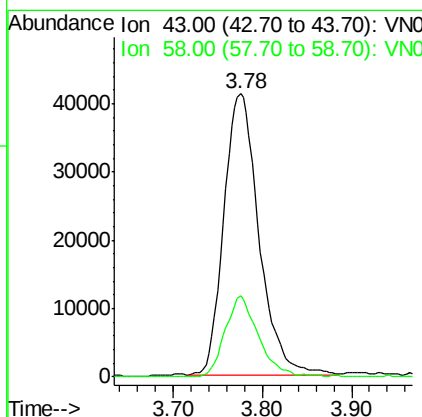
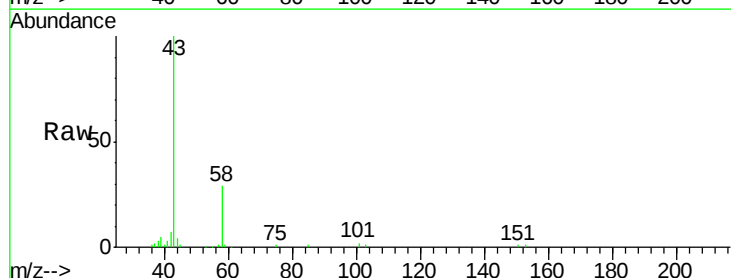
RT: 3.78 min Scan# 633

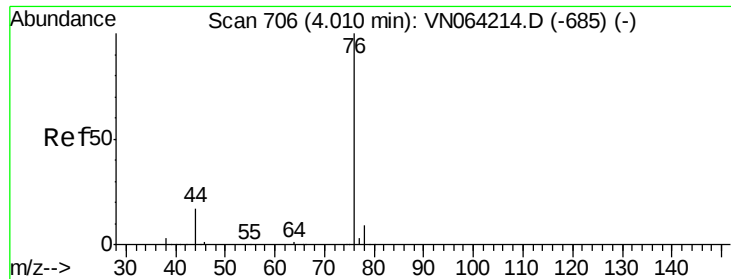
Delta R.T. -0.00 min

Lab File: VN064270.D

Acq: 22 Oct 2020 23:13

Tgt Ion:	43	Resp:	112749
Ion Ratio		Lower	Upper
43	100		
58	28.7	21.0	31.4





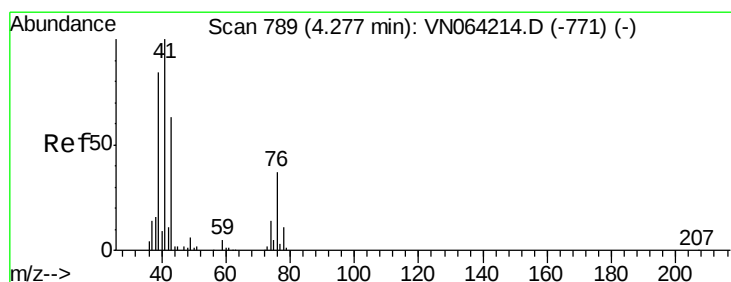
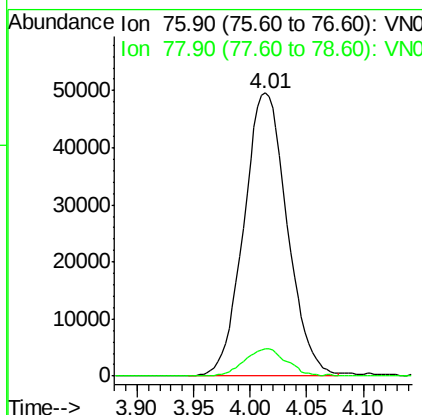
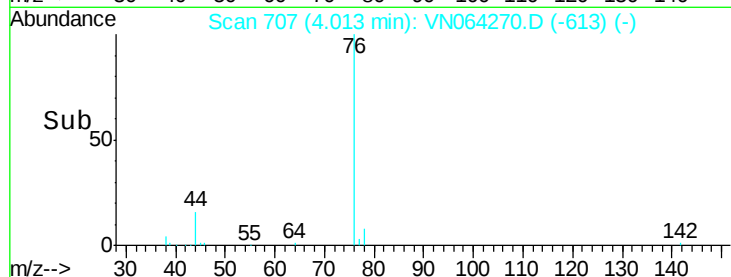
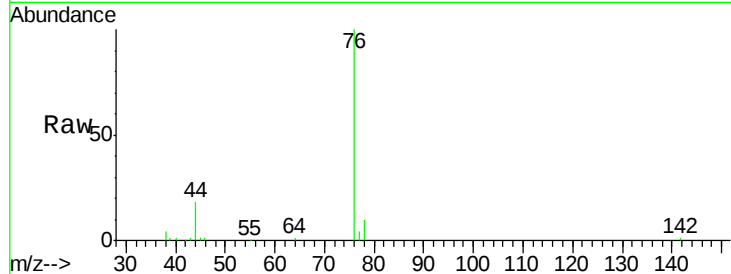
#17
Carbon Disulfide
Concen: 19.113 ug/l
RT: 4.01 min Scan# 707
Delta R.T. 0.00 min
Lab File: VN064270.D
Acq: 22 Oct 2020 23:13

Instrument :
MSVOA_N
ClientSampleId :
VN1022MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.1	10.7

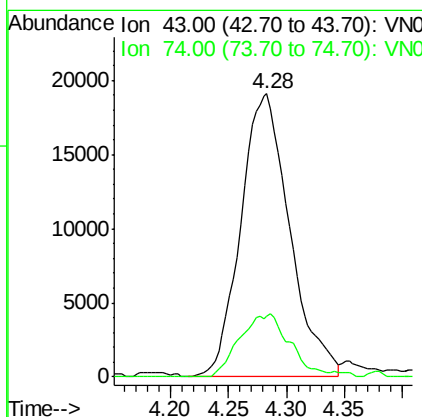
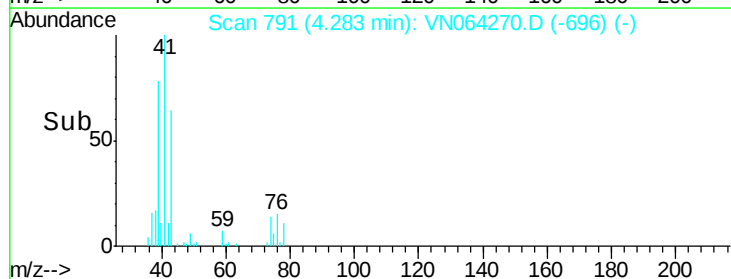
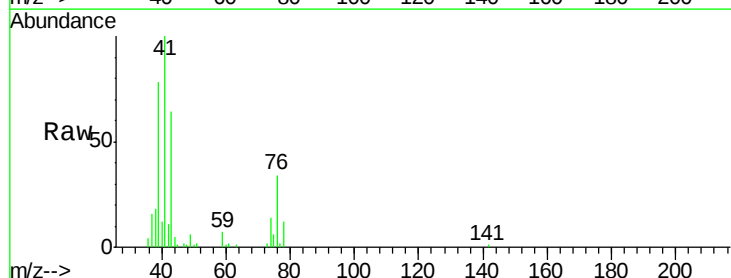
Manual Integrations
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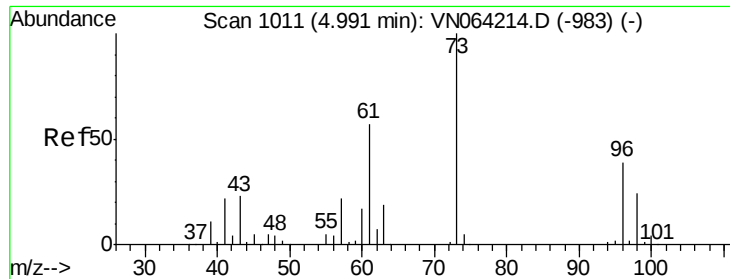
MMDadoda
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#18
Methyl Acetate
Concen: 20.013 ug/l
RT: 4.28 min Scan# 791
Delta R.T. 0.01 min
Lab File: VN064270.D
Acq: 22 Oct 2020 23:13

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.5	17.9	26.9





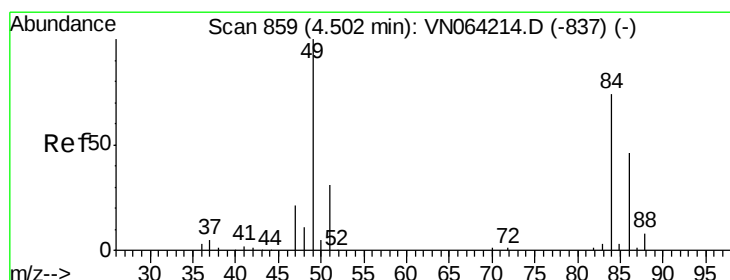
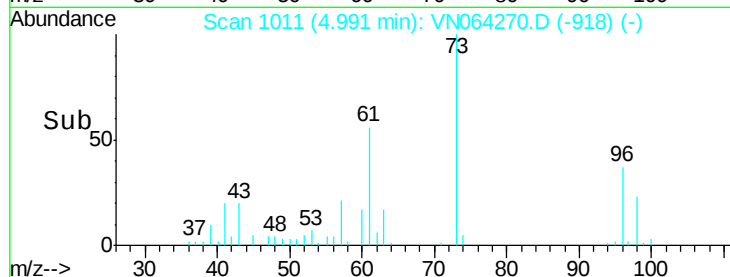
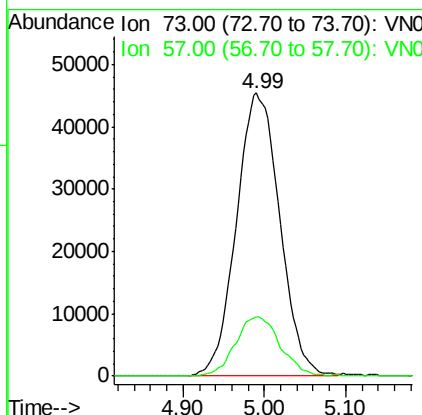
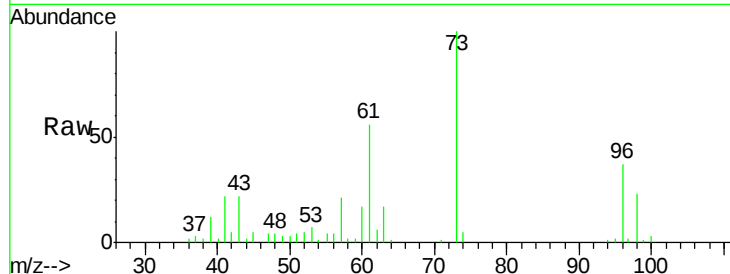
#19
Methyl tert-butyl Ether
Concen: 20.042 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VN064270.D
Acq: 22 Oct 2020 23:13

Instrument :
MSVOA_N
ClientSampleId :
VN1022MBS01

Tot Ion: 73 Resp: 167422
Ion Ratio Lower Upper
73 100
57 21.1 18.0 27.0

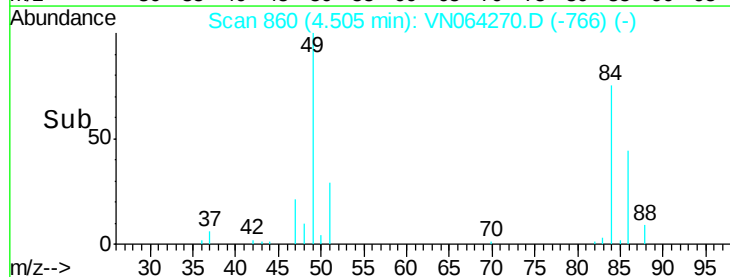
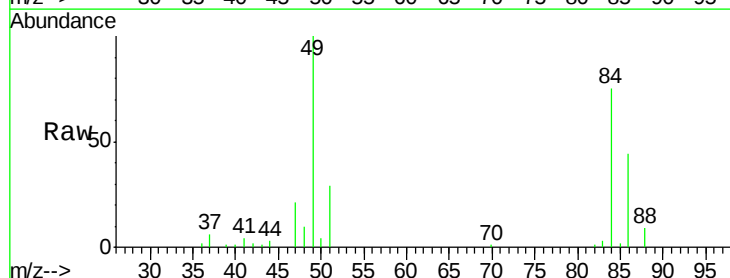
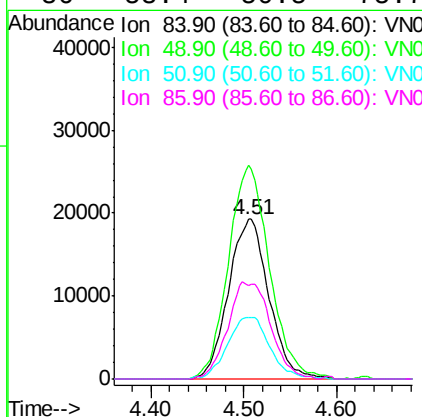
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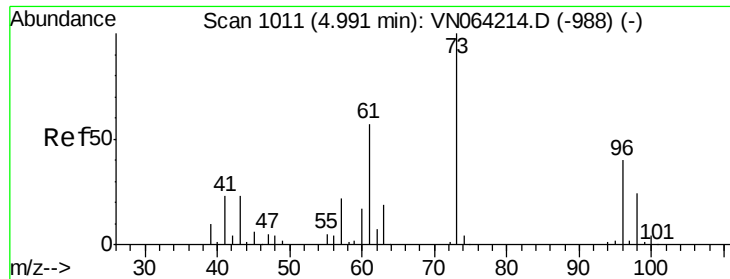
MMDadoda
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#20
Methylene Chloride
Concen: 19.841 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN064270.D
Acq: 22 Oct 2020 23:13

Tgt Ion: 84 Resp: 58285
Ion Ratio Lower Upper
84 100
49 133.6 108.5 162.7
51 38.3 33.8 50.8
86 58.4 50.5 75.7





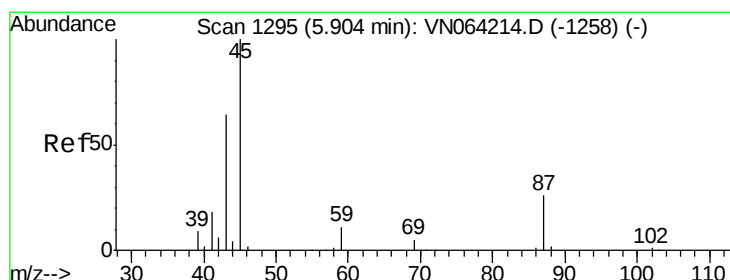
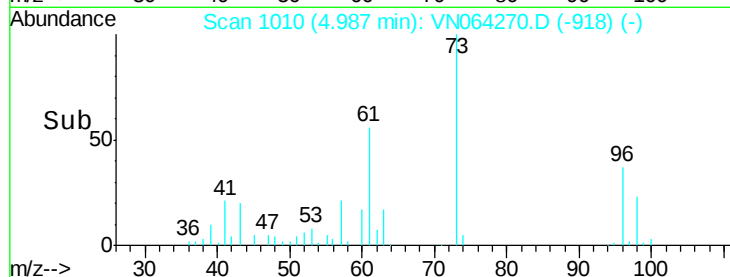
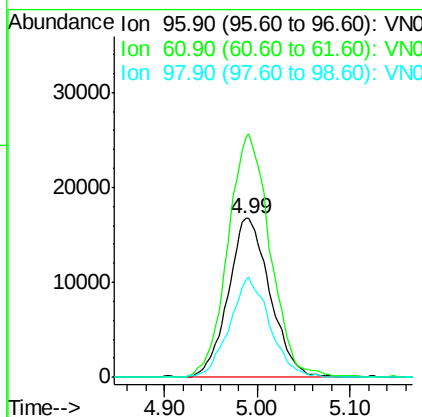
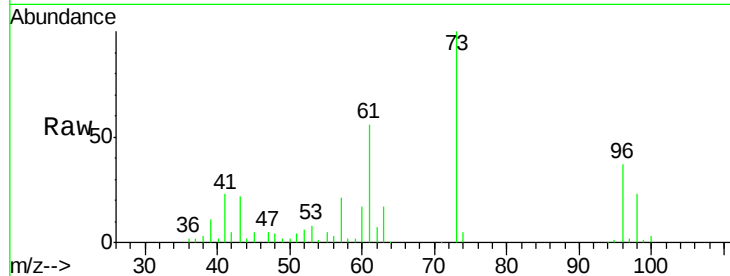
#21
trans-1,2-Dichloroethene
Concen: 19.529 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VN064270.D
Acq: 22 Oct 2020 23:13

Instrument :
MSVOA_N
ClientSampleId :
VN1022MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.9	115.8	173.6
98	61.3	49.4	74.0

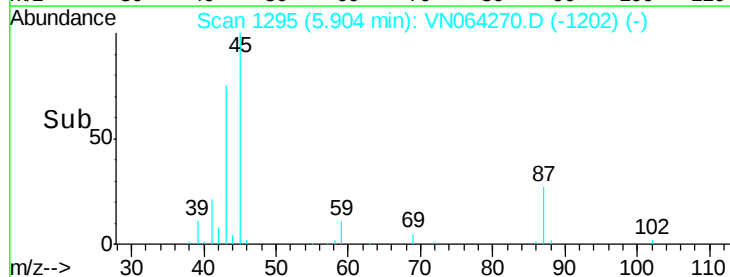
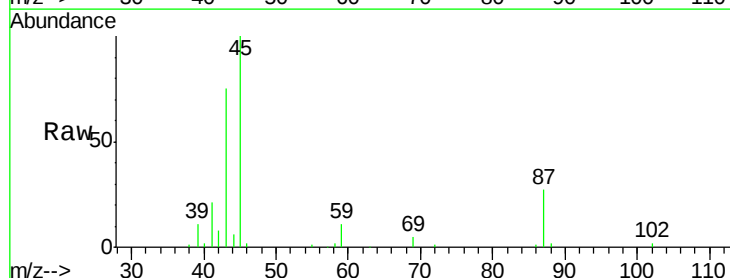
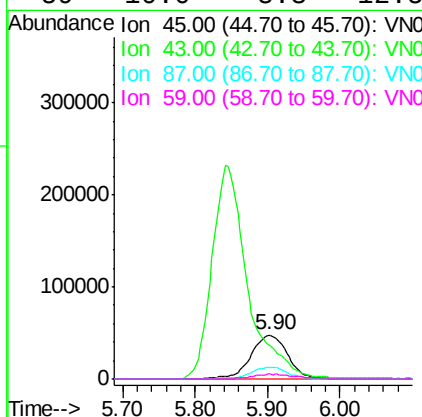
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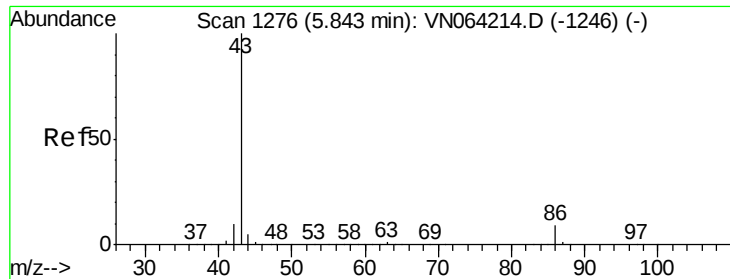
MMDadoda
10/23/2020 3:36:33 PM



#22
Diisopropyl ether
Concen: 18.666 ug/l
RT: 5.90 min Scan# 1295
Delta R.T. -0.00 min
Lab File: VN064270.D
Acq: 22 Oct 2020 23:13

Tgt Ion	Ratio	Lower	Upper
45	100		
43	71.9	52.2	78.4
87	27.2	21.4	32.0
59	10.0	8.3	12.5





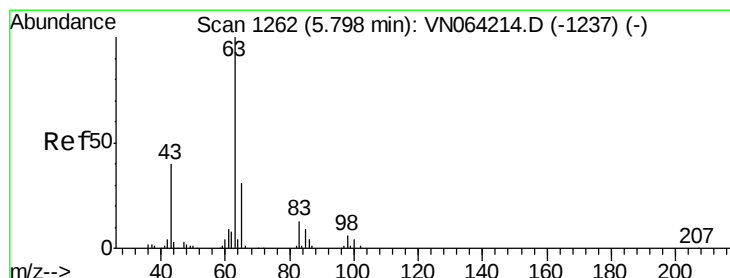
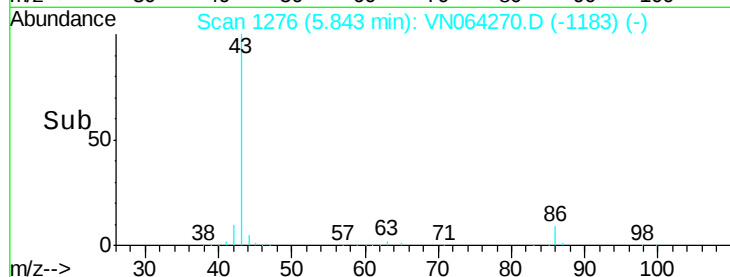
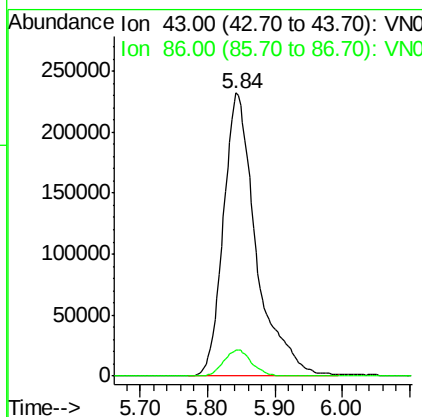
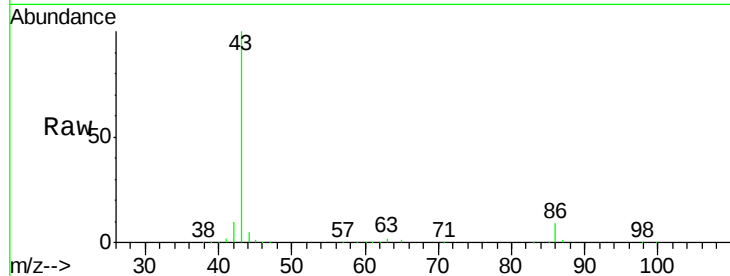
#23
 Vinyl Acetate
 Concen: 97.552 ug/l
 RT: 5.84 min Scan# 1276
 Delta R.T. -0.00 min
 Lab File: VN064270.D
 Acq: 22 Oct 2020 23:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1022MBS01

Tot Ion	Ion	Ratio	Lower	Upper
43	43	100		
86	86	9.4	7.4	11.0

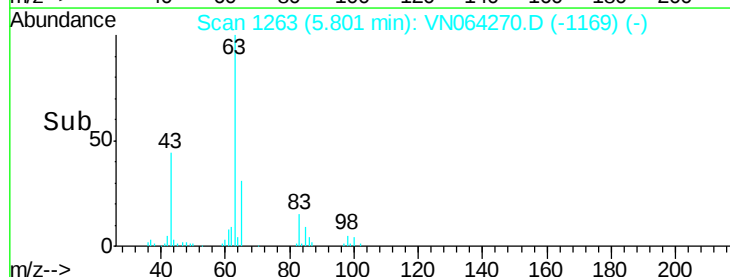
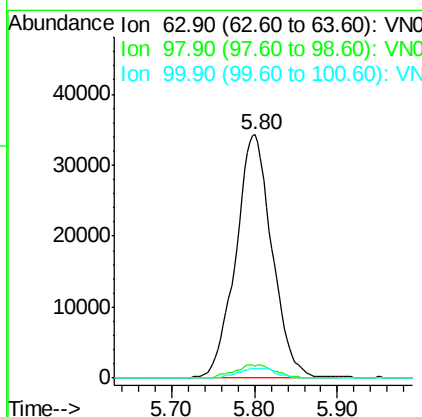
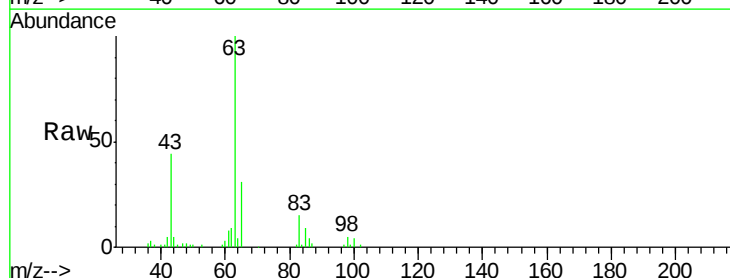
Manual Integrations
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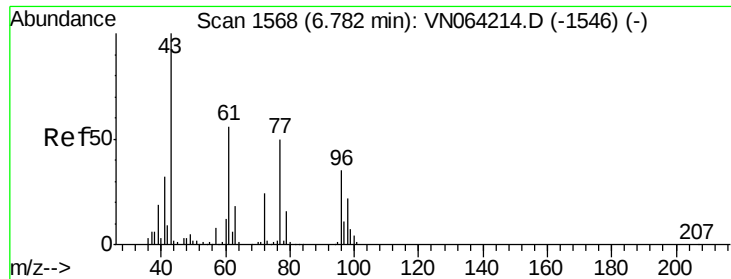
MMDadoda
 10/23/2020 3:36:33 PM



#24
 1,1-Dichloroethane
 Concen: 19.897 ug/l
 RT: 5.80 min Scan# 1263
 Delta R.T. 0.00 min
 Lab File: VN064270.D
 Acq: 22 Oct 2020 23:13

Tgt Ion	Ion	Ratio	Lower	Upper
63	63	100		
98	98	5.1	2.9	8.7
100	100	3.7	2.0	6.0





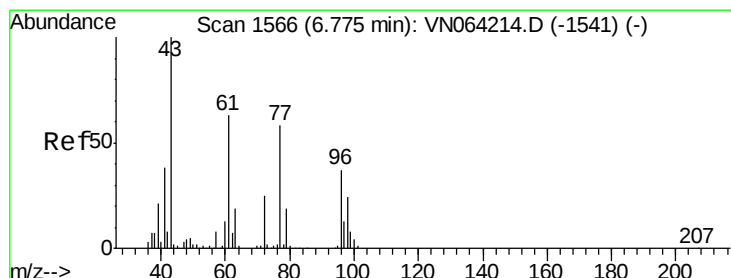
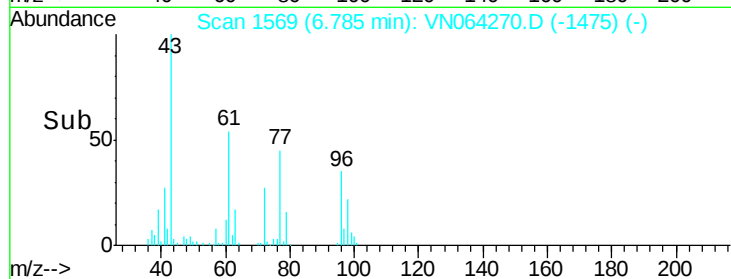
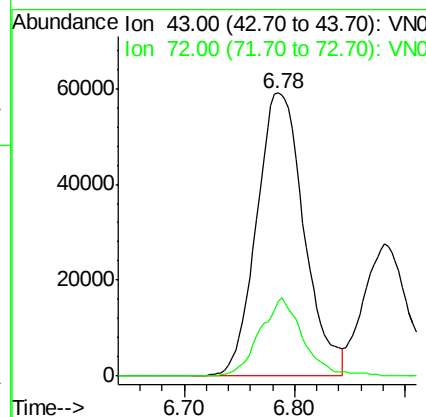
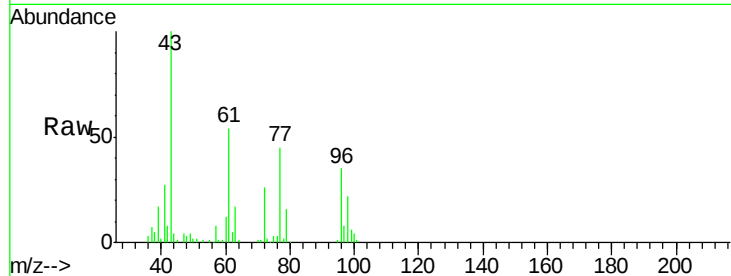
#25
2-Butanone
Concen: 100.452 ug/l
RT: 6.78 min Scan# 1569
Delta R.T. 0.00 min
Lab File: VN064270.D
Acq: 22 Oct 2020 23:13

Instrument :
MSVOA_N
ClientSampleId :
VN1022MBS01

Tot Ion: 43 Resp: 175815
Ion Ratio Lower Upper
43 100
72 26.5 19.4 29.0

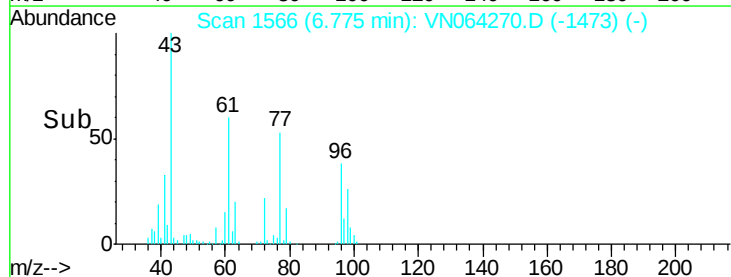
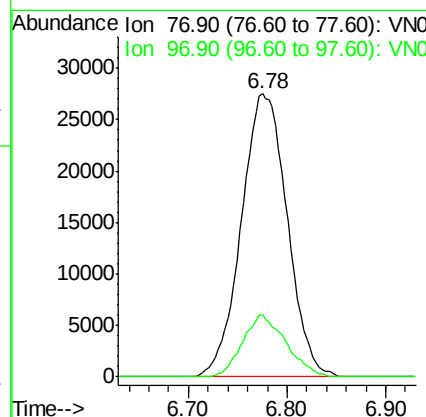
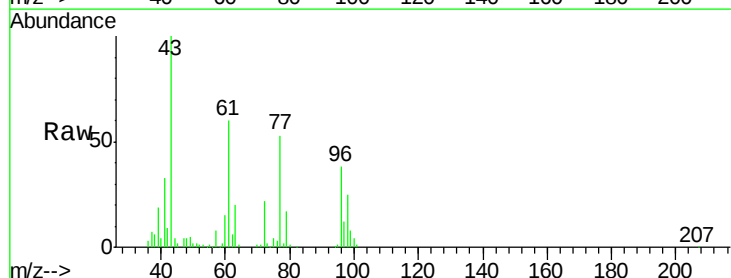
Manual Integrations
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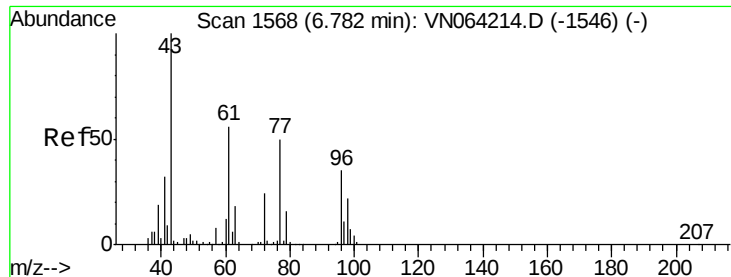
MMDadoda
10/23/2020 3:36:33 PM



#26
2,2-Dichloropropane
Concen: 16.947 ug/l
RT: 6.78 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VN064270.D
Acq: 22 Oct 2020 23:13

Tgt Ion: 77 Resp: 88359
Ion Ratio Lower Upper
77 100
97 20.7 10.4 31.4





#27

cis-1,2-Dichloroethene

Concen: 19.607 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN064270.D

Acq: 22 Oct 2020 23:13

Instrument :

MSVOA_N

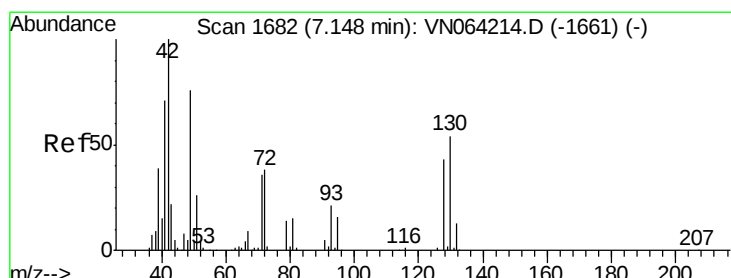
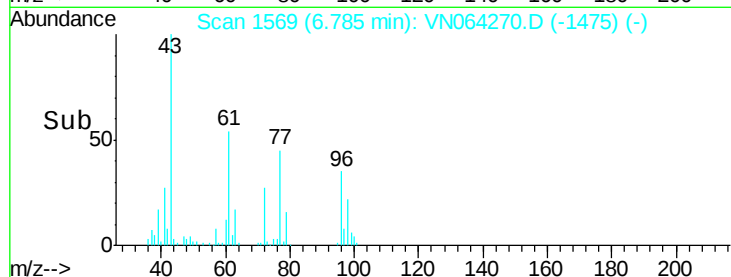
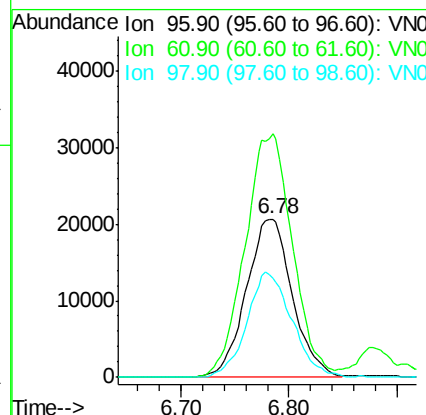
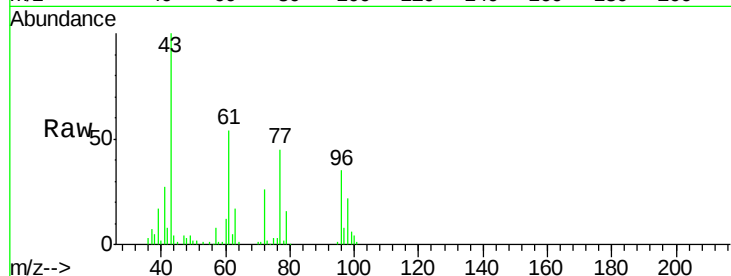
ClientSampleId :

VN1022MBS01

Tot Ion:	96	Resp:	61180
Ion	Ratio	Lower	Upper
96	100		
61	158.5	0.0	330.0
98	64.9	0.0	130.6

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10/23/2020 3:36:33 PM



#28

Bromochloromethane

Concen: 18.506 ug/l

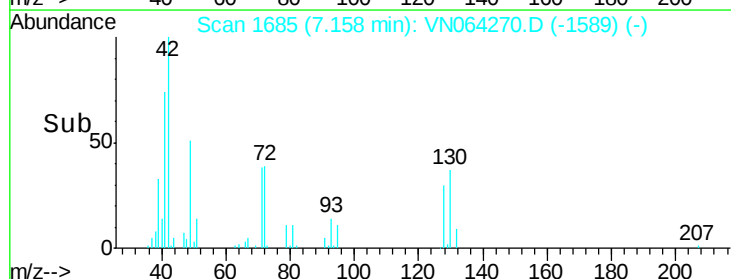
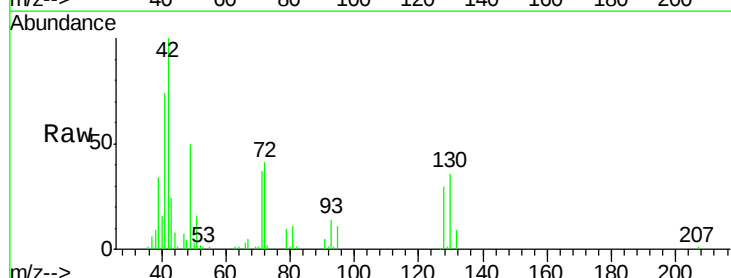
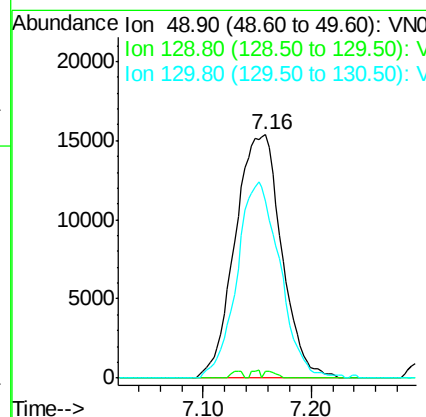
RT: 7.16 min Scan# 1685

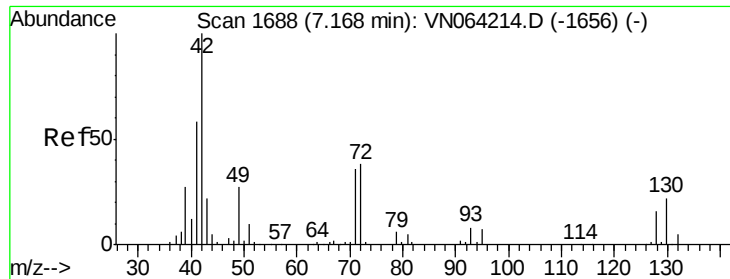
Delta R.T. 0.01 min

Lab File: VN064270.D

Acq: 22 Oct 2020 23:13

Tgt Ion:	49	Resp:	46044
Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	2.8
130	0.0	58.8	88.2#





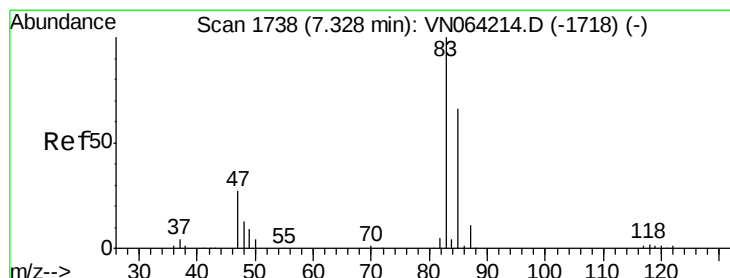
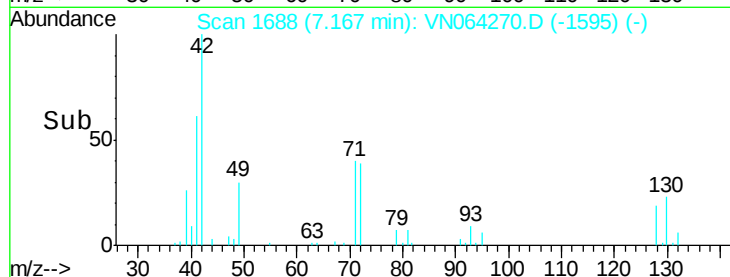
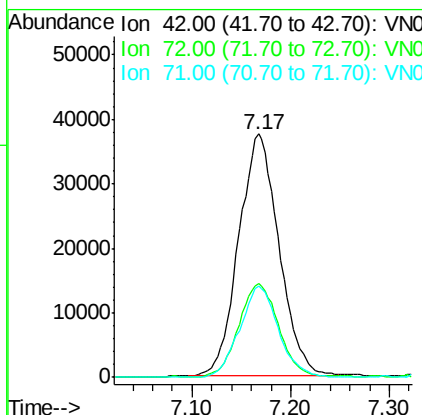
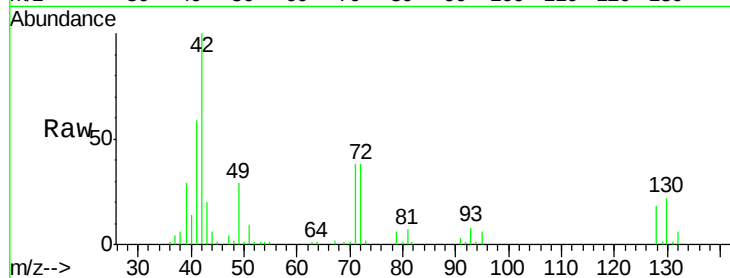
#29
Tetrahydrofuran
Concen: 101.146 ug/l
RT: 7.17 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VN064270.D
Acq: 22 Oct 2020 23:13

Instrument :
MSVOA_N
ClientSampleId :
VN1022MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.4	30.8	46.2
71	36.4	29.0	43.6

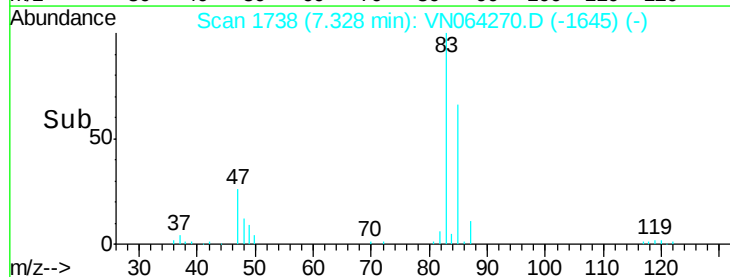
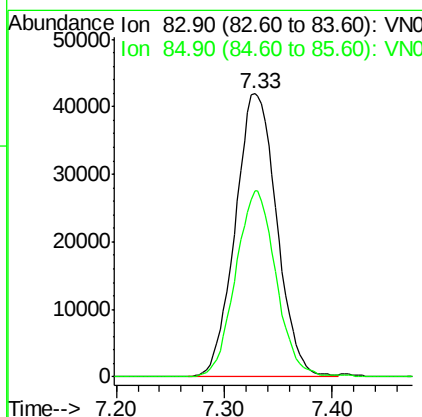
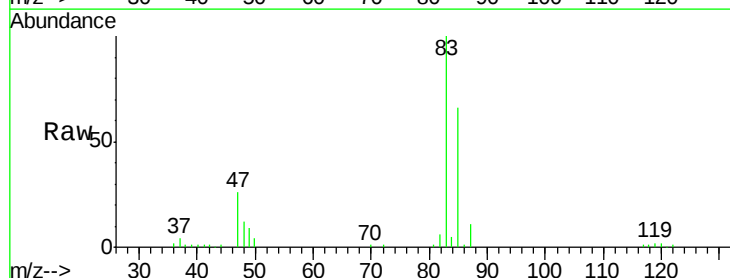
Manual Integrations
APPROVED

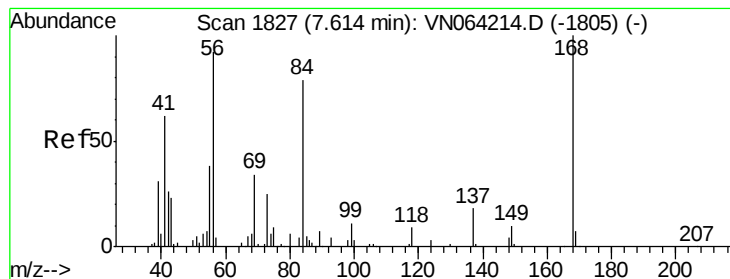
MMDadoda
10/23/2020 3:36:33 PM



#30
Chloroform
Concen: 20.119 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN064270.D
Acq: 22 Oct 2020 23:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	52.5	78.7





#31

Cvclohexane

Concen: 18.067 ug/l

RT: 7.61 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN064270.D

Acq: 22 Oct 2020 23:13

Instrument :

MSVOA_N

ClientSampleId :

VN1022MBS01

Tot Ion: 56 Resp: 82459

Ion Ratio Lower Upper

56 100

69 37.7 29.8 44.6

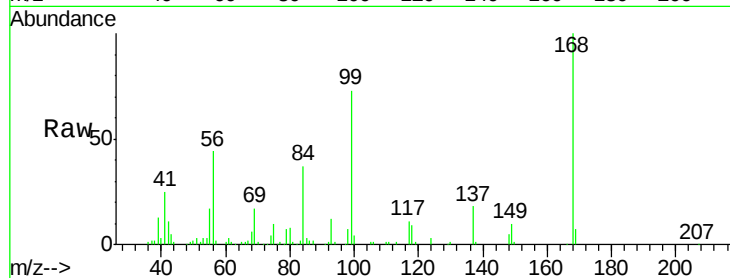
84 82.5 68.1 102.1

Manual Integrations

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MMDadoda

10/23/2020 3:36:33 PM

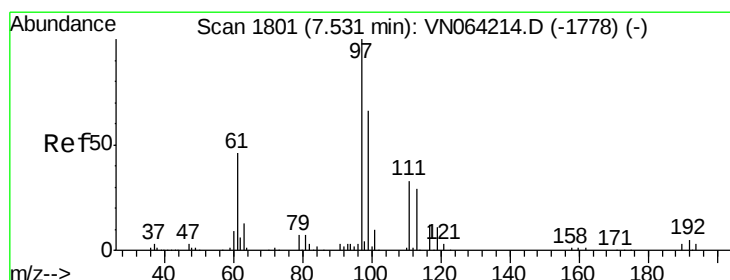
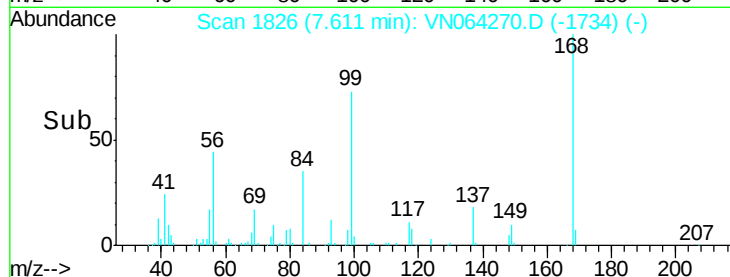
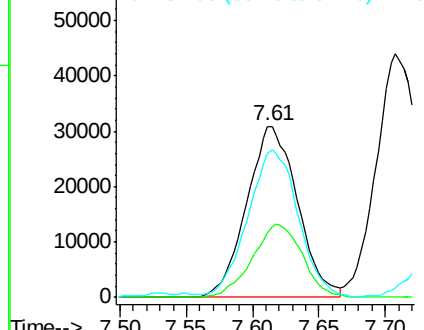


Abundance

Ion 56.00 (55.70 to 56.70): VNC

Ion 69.00 (68.70 to 69.70): VNC

Ion 84.00 (83.70 to 84.70): VNC



#32

1,1,1-Trichloroethane

Concen: 20.106 ug/l

RT: 7.53 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN064270.D

Acq: 22 Oct 2020 23:13

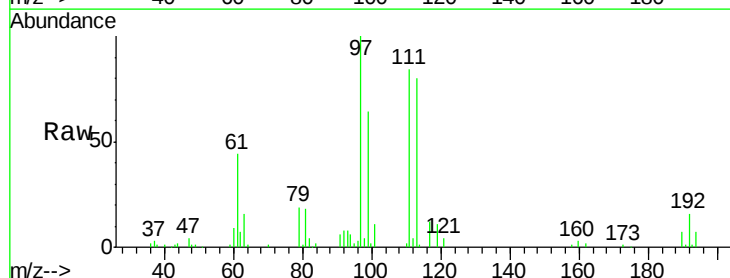
Tgt Ion: 97 Resp: 105223

Ion Ratio Lower Upper

97 100

99 63.1 51.2 76.8

61 44.0 36.3 54.5

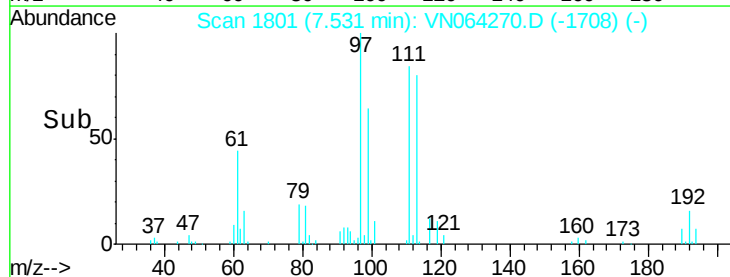
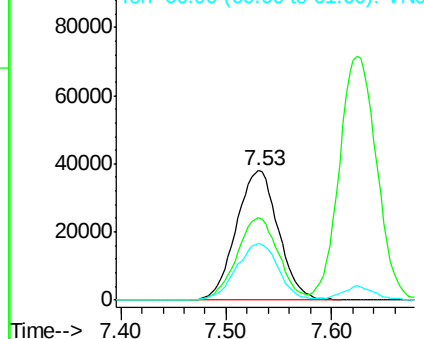


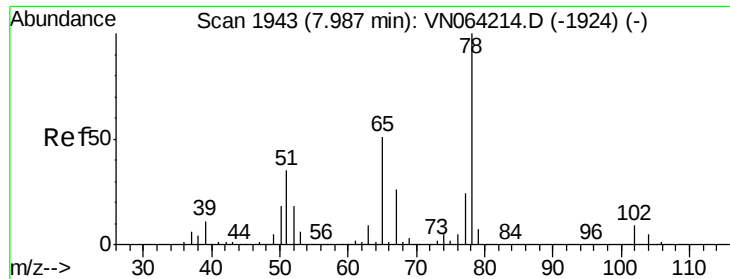
Abundance

Ion 96.90 (96.60 to 97.60): VNC

Ion 98.90 (98.60 to 99.60): VNC

Ion 60.90 (60.60 to 61.60): VNC





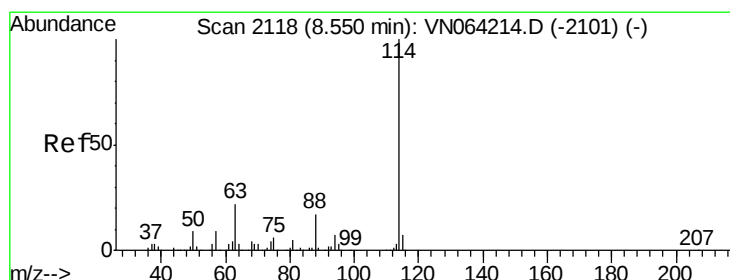
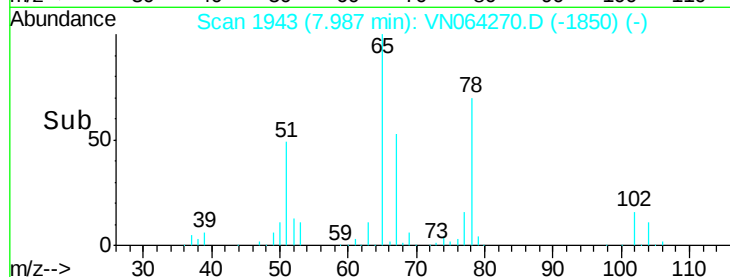
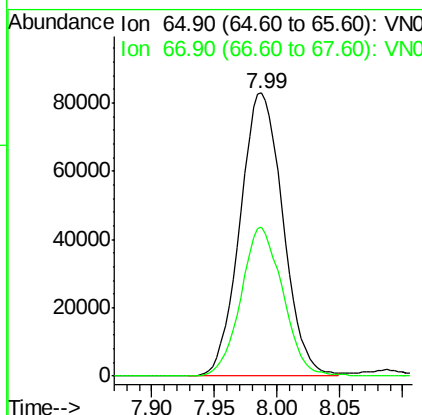
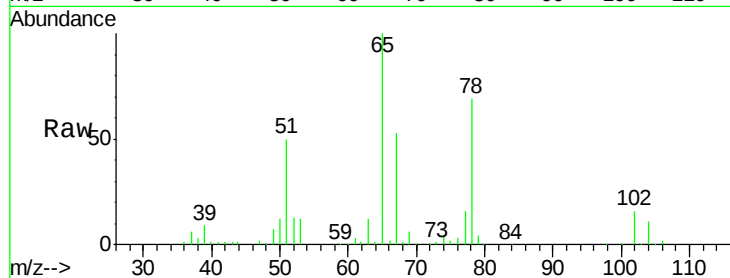
#33
 1,2-Dichloroethane-d4
 Concen: 51.325 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN064270.D
 Acq: 22 Oct 2020 23:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1022MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	197611		
67	51.2	0.0	100.2	

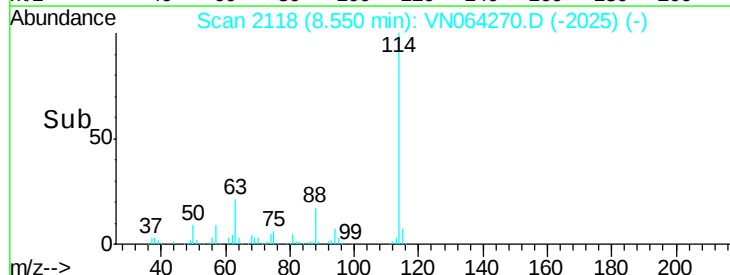
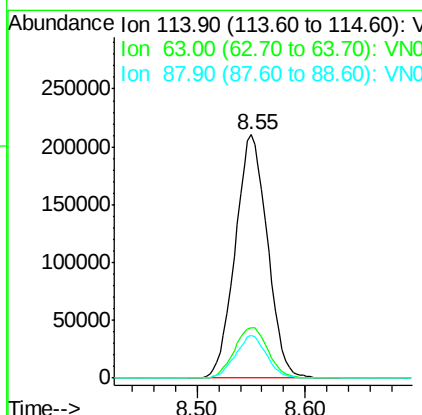
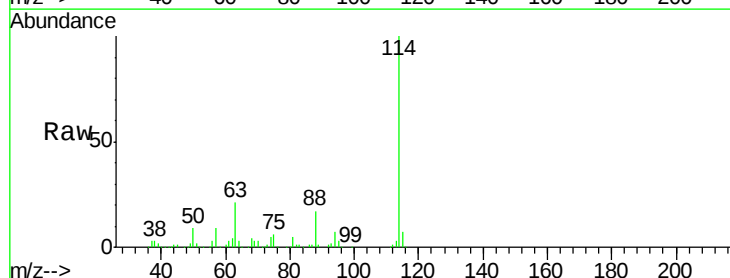
Manual Integrations
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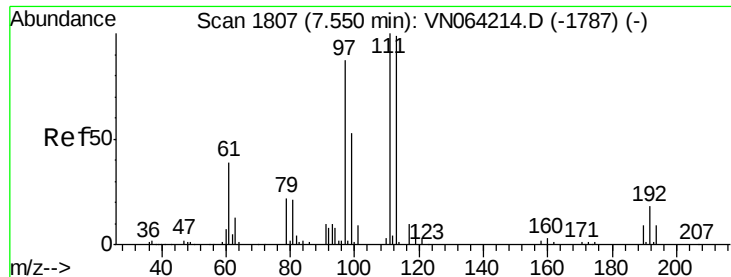
MMDadoda
 10/23/2020 3:36:33 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN064270.D
 Acq: 22 Oct 2020 23:13

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	437319		
63	20.9	0.0	44.0	
88	17.5	0.0	34.2	





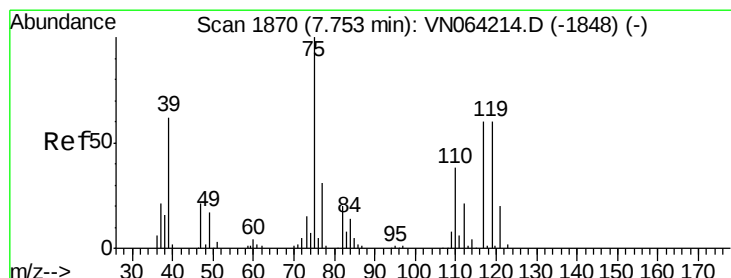
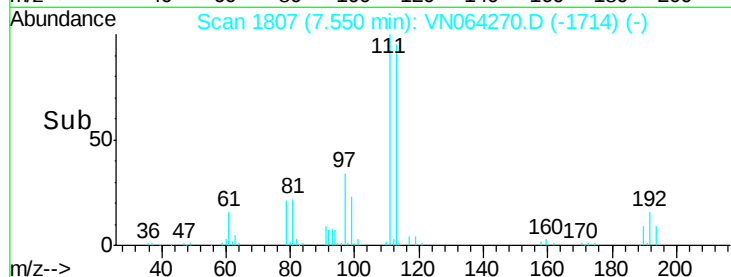
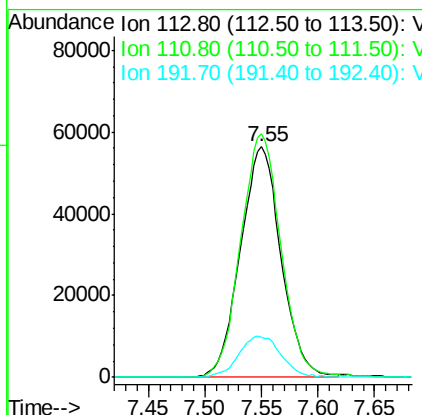
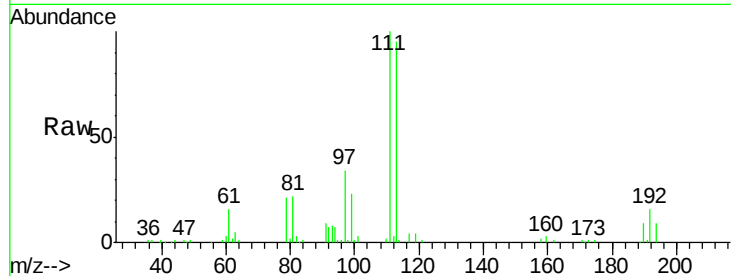
#35
Dibromofluoromethane
Concen: 48.357 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. -0.00 min
Lab File: VN064270.D
Acq: 22 Oct 2020 23:13

Instrument :
MSVOA_N
ClientSampleId :
VN1022MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	140597		
111	104.9	84.2	126.2	
192	18.6	15.2	22.8	

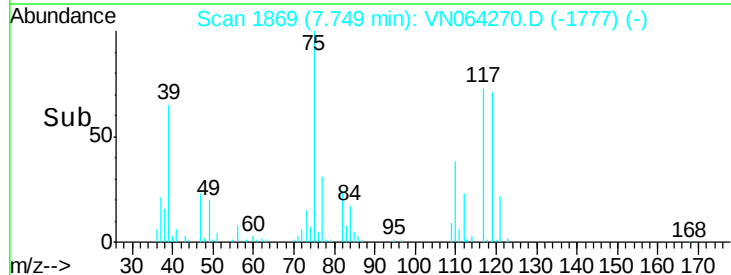
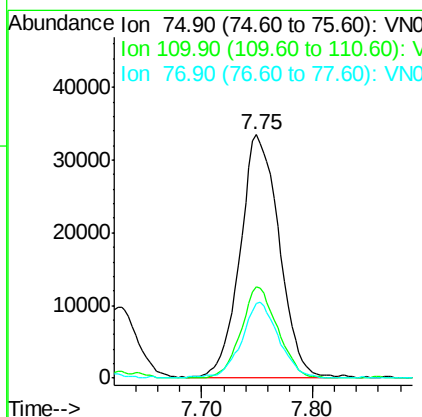
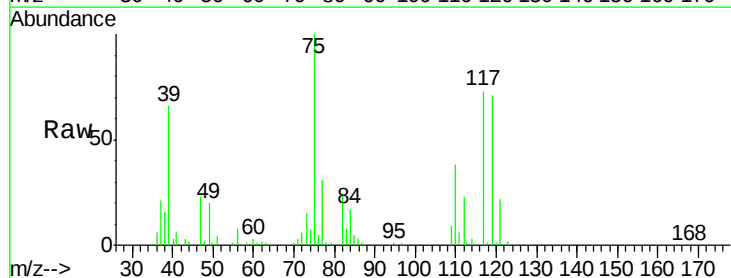
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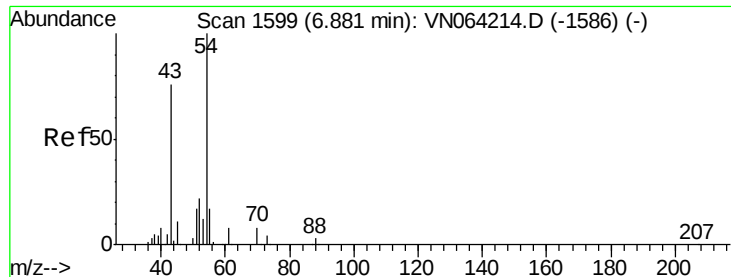
MMDadoda
10/23/2020 3:36:33 PM



#36
1,1-Dichloropropene
Concen: 18.884 ug/l
RT: 7.75 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VN064270.D
Acq: 22 Oct 2020 23:13

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	82330		
110	34.9	17.2	51.6	
77	29.6	24.9	37.3	





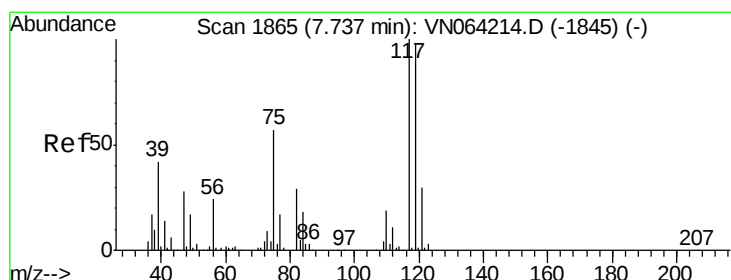
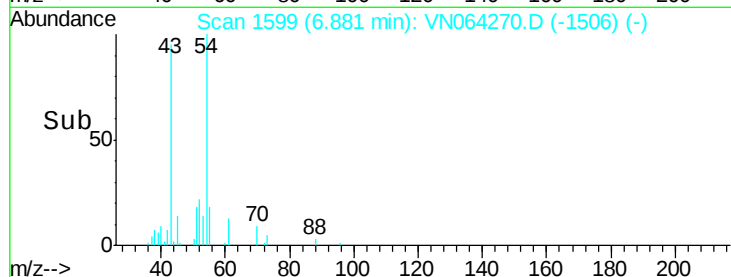
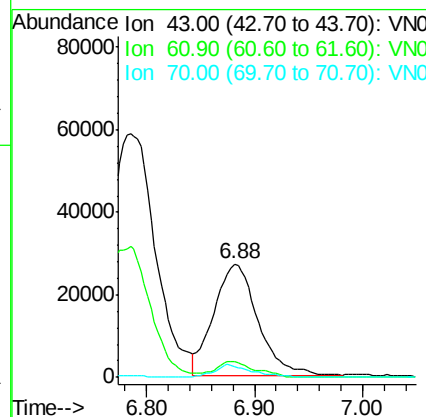
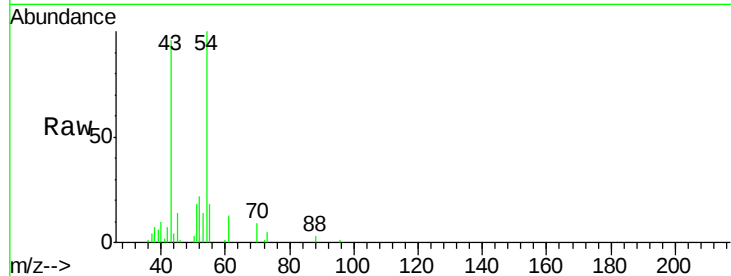
#37
Ethyl Acetate
Concen: 19.465 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VN064270.D
Acq: 22 Oct 2020 23:13

Instrument :
MSVOA_N
ClientSampleId :
VN1022MBS01

Tot Ion	43	Ratio	Lower	Upper
43	100			
61	6.2	10.0	15.0#	
70	9.7	7.5	11.3	

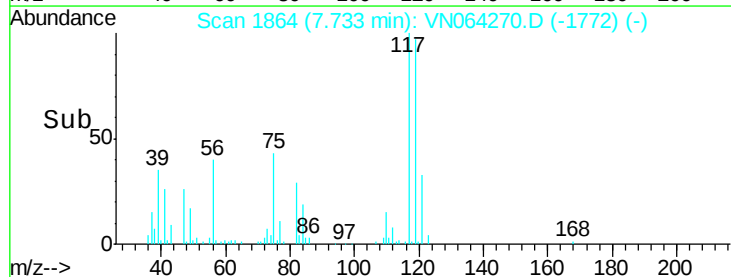
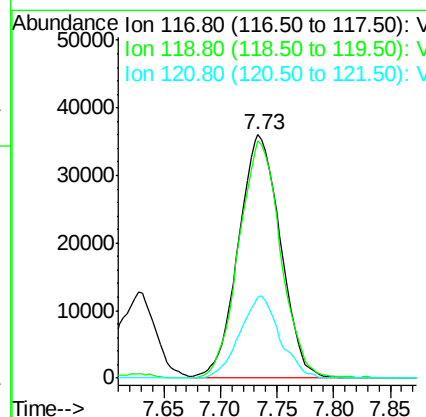
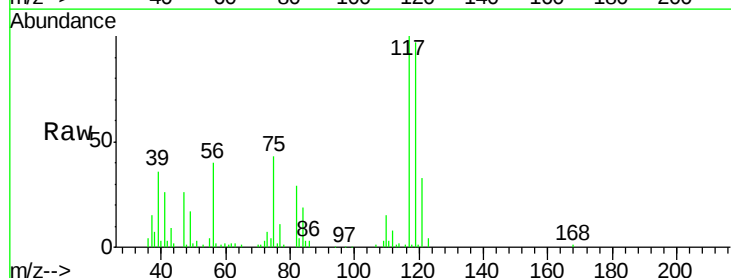
Manual Integrations
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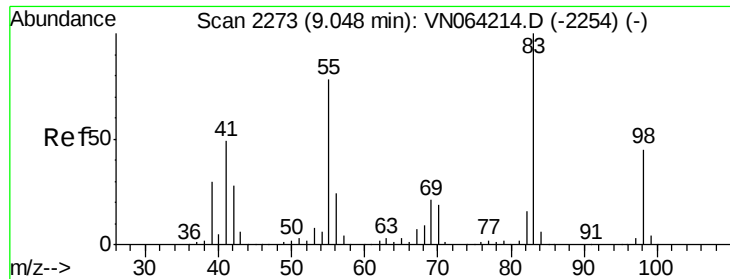
MMDadoda
10/23/2020 3:36:33 PM



#38
Carbon Tetrachloride
Concen: 18.769 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN064270.D
Acq: 22 Oct 2020 23:13

Tgt Ion	117	Ratio	Lower	Upper
117	100			
119	97.2	78.5	117.7	
121	33.2	24.3	36.5	





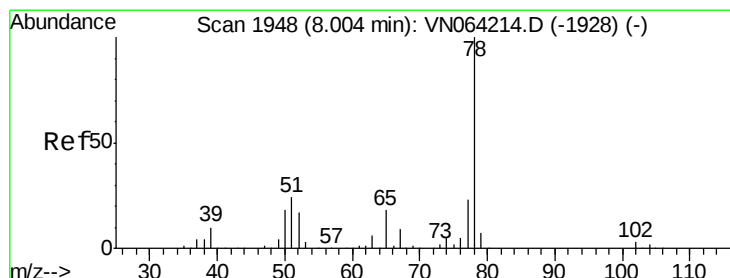
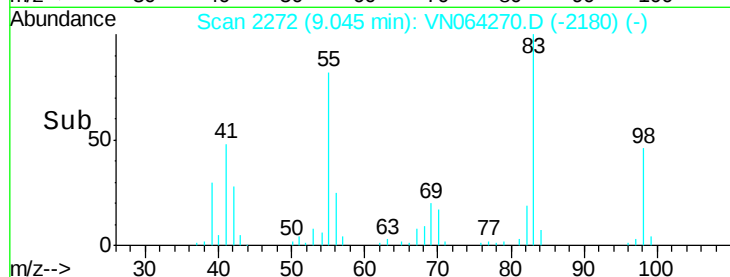
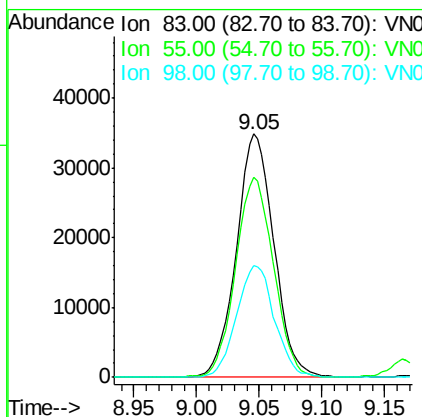
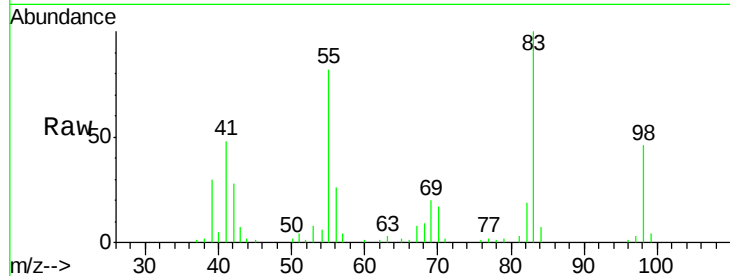
#39
Methylvlcyclohexane
Concen: 18.271 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN064270.D
Acq: 22 Oct 2020 23:13

Instrument :
MSVOA_N
ClientSampleId :
VN1022MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.4	62.2	93.2
98	46.0	35.9	53.9

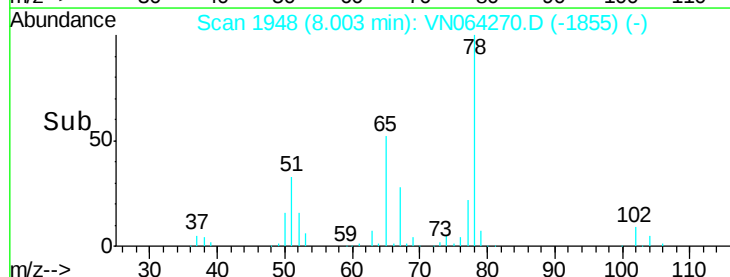
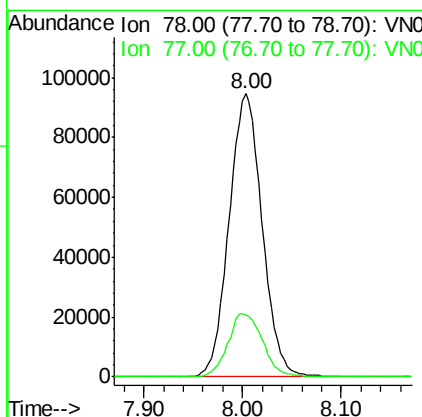
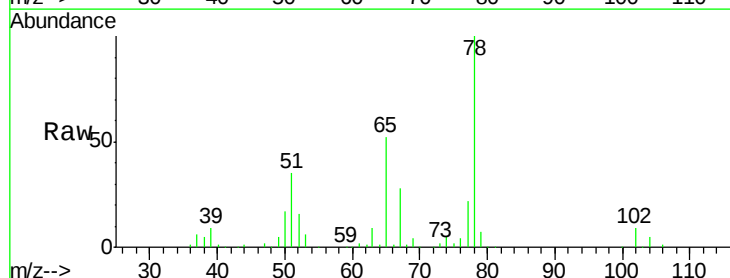
Manual Integrations
APPROVED

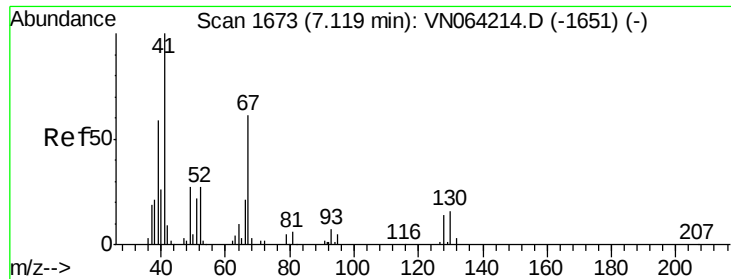
MMDadoda
10/23/2020 3:36:33 PM



#40
Benzene
Concen: 18.354 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN064270.D
Acq: 22 Oct 2020 23:13

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.9	18.3	27.5





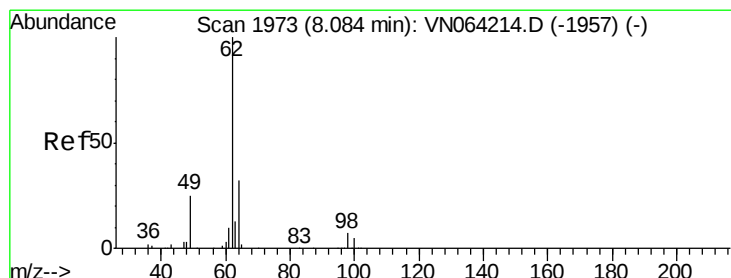
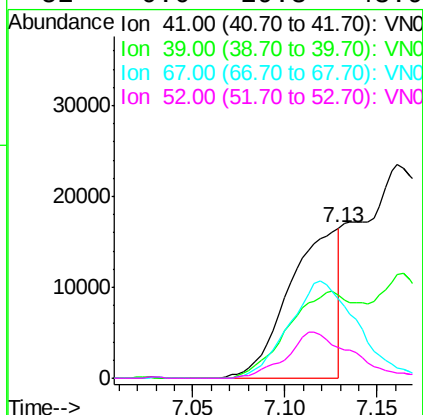
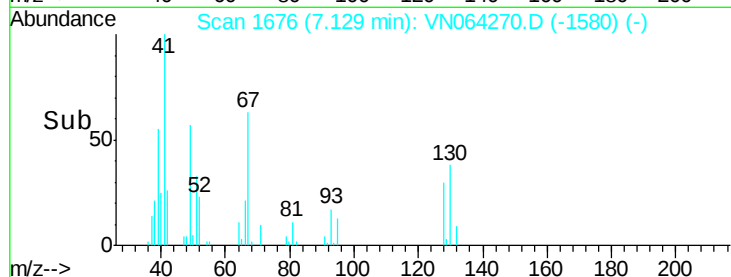
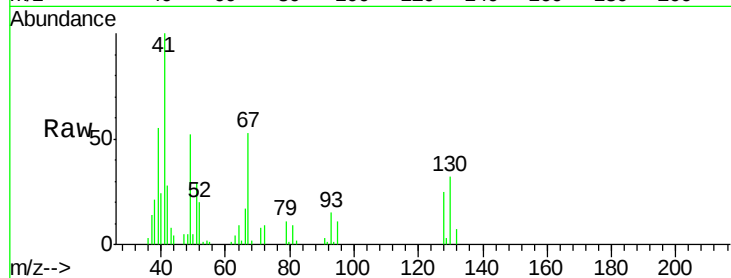
#41
Methacrylonitrile
Concen: 14.905 ug/l m
RT: 7.13 min Scan# 1676
Delta R.T. 0.01 min
Lab File: VN064270.D
Acq: 22 Oct 2020 23:13

Instrument :
MSVOA_N
ClientSampleId :
VN1022MBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	50.5	75.7#
67	0.0	63.2	94.8#
52	0.0	29.3	43.9#

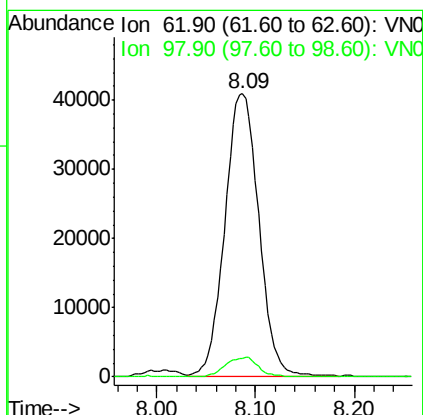
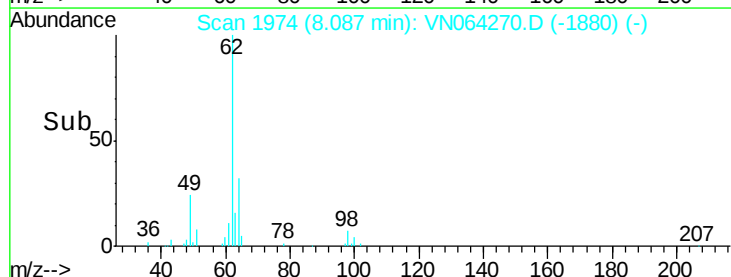
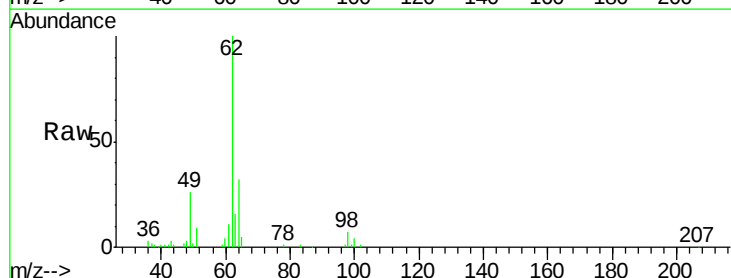
Manual Integrations
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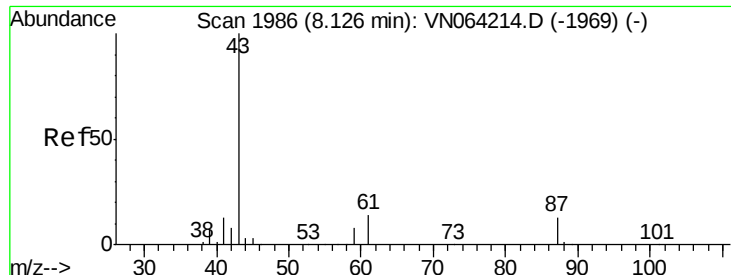
MMDadoda
10/23/2020 3:36:33 PM



#42
1,2-Dichloroethane
Concen: 19.187 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN064270.D
Acq: 22 Oct 2020 23:13

Tgt Ion	Ratio	Lower	Upper
62	100		
98	6.6	0.0	15.0





#43

Isopropyl Acetate

Concen: 19.034 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN064270.D

Acq: 22 Oct 2020 23:13

Instrument :

MSVOA_N

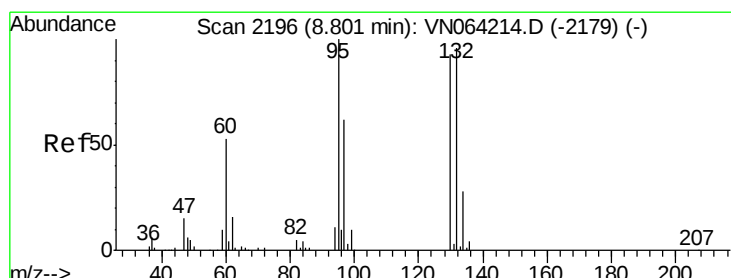
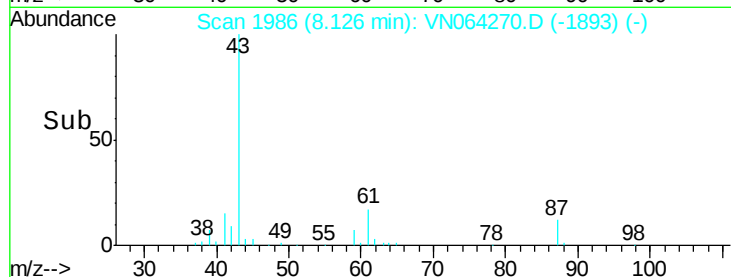
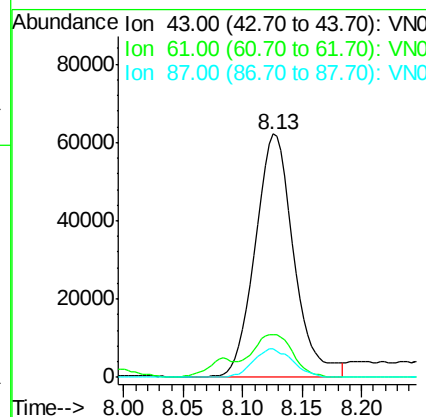
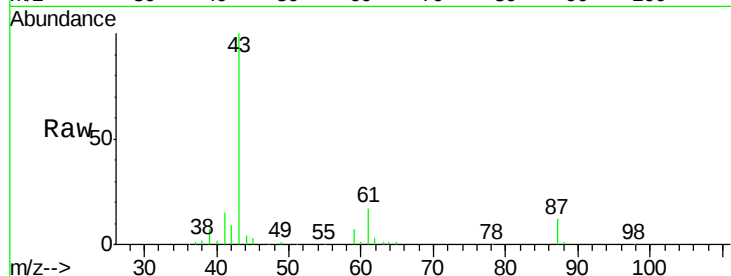
ClientSampleId :

VN1022MBS01

Tot Ion:	43	Resp:	140418
Ion Ratio	Lower	Upper	
43	100		
61	18.3	19.6	29.4#
87	11.8	9.8	14.6

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10/23/2020 3:36:33 PM



#44

Trichloroethene

Concen: 19.020 ug/l

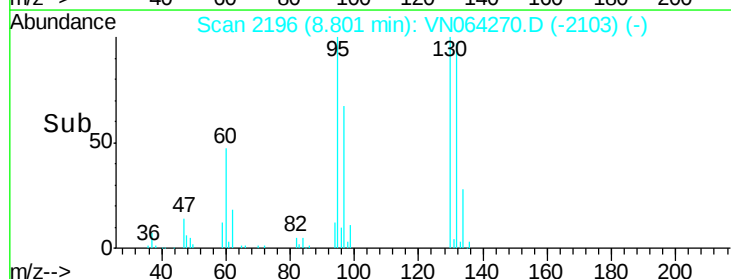
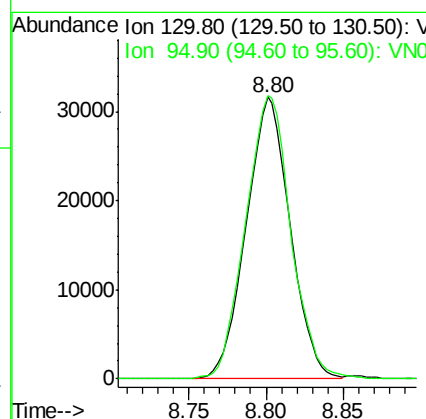
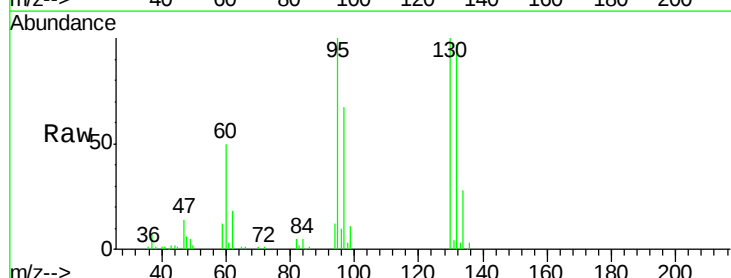
RT: 8.80 min Scan# 2196

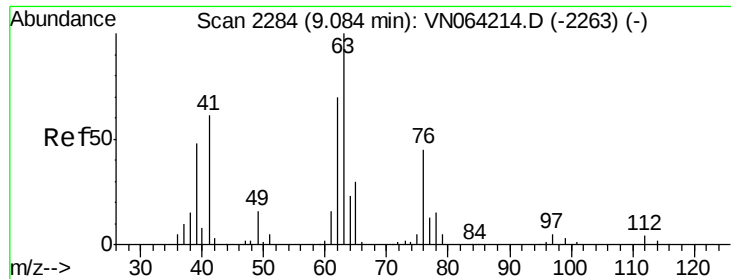
Delta R.T. -0.00 min

Lab File: VN064270.D

Acq: 22 Oct 2020 23:13

Tgt Ion:	130	Resp:	62377
Ion Ratio	Lower	Upper	
130	100		
95	100.4	0.0	214.0





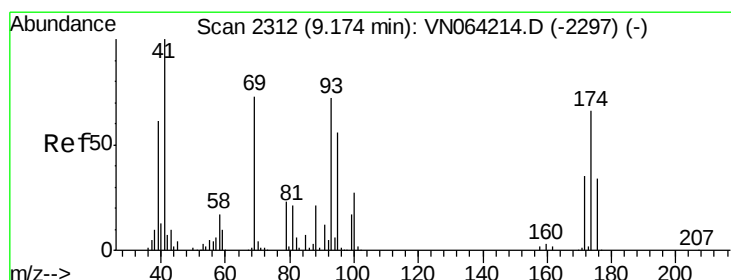
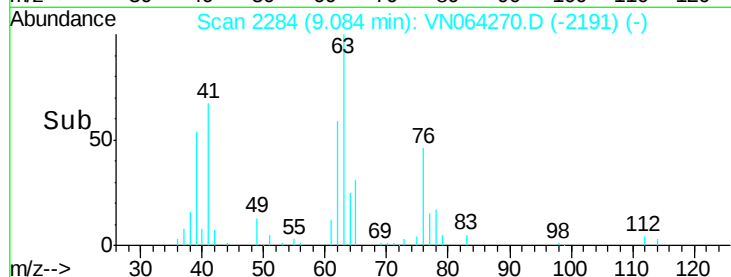
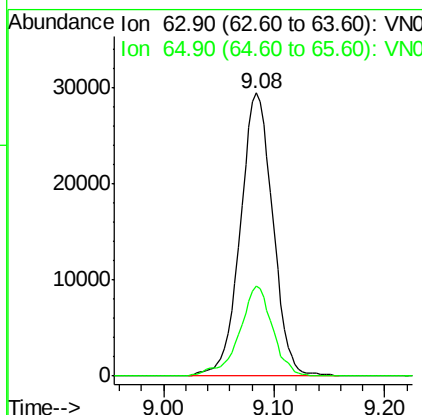
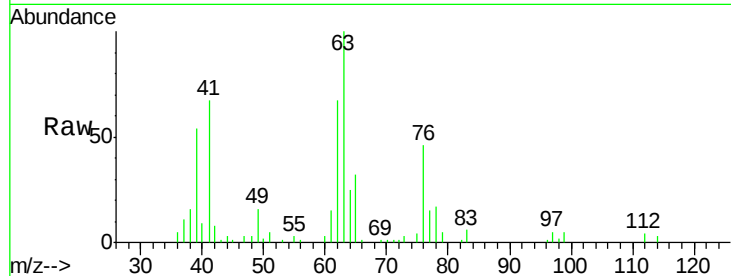
#45
 1,2-Dichloropropane
 Concen: 18.696 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN064270.D
 Acq: 22 Oct 2020 23:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1022MBS01

Tot Ion: 63 Resp: 60070
 Ion Ratio Lower Upper
 63 100
 65 31.7 24.0 36.0

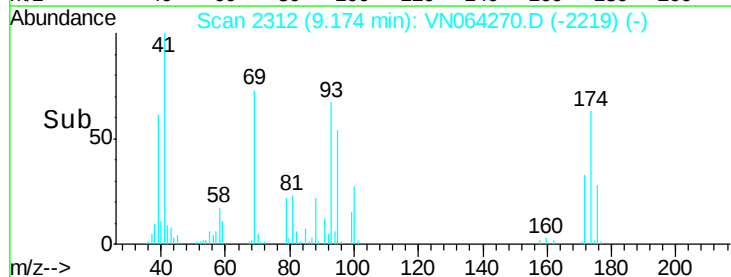
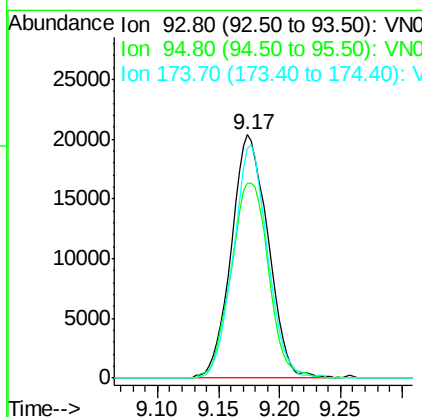
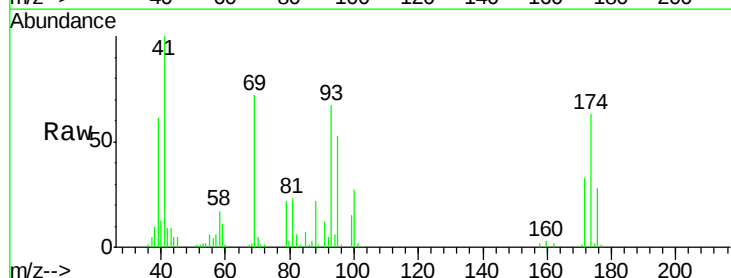
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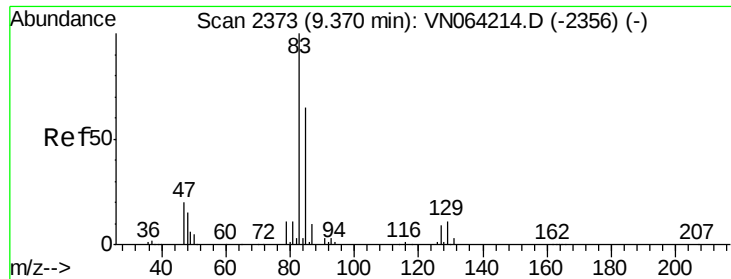
MMDadoda
 10/23/2020 3:36:33 PM



#46
 Dibromomethane
 Concen: 19.780 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN064270.D
 Acq: 22 Oct 2020 23:13

Tgt Ion: 93 Resp: 42674
 Ion Ratio Lower Upper
 93 100
 95 81.7 63.0 94.4
 174 89.2 72.9 109.3





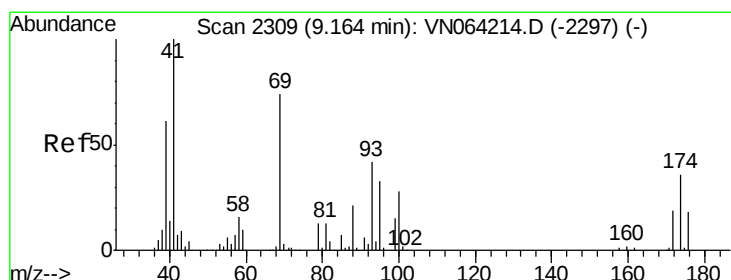
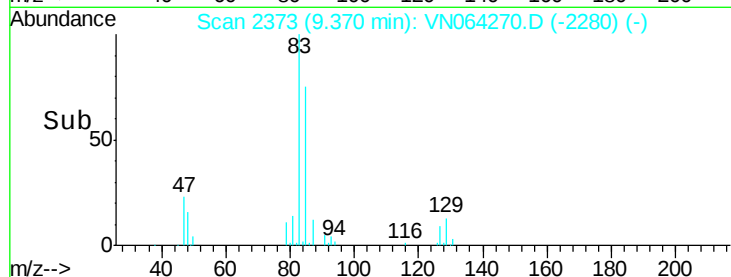
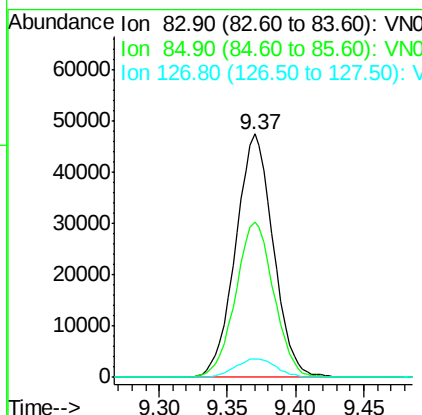
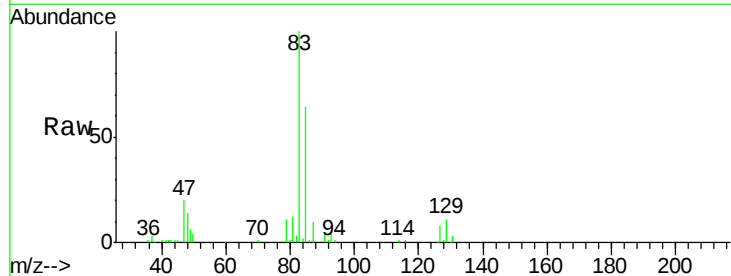
#47
Bromodichloromethane
Concen: 19.073 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN064270.D
Acq: 22 Oct 2020 23:13

Instrument :
MSVOA_N
ClientSampleId :
VN1022MBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	90909		
85	64.0		51.8	77.8
127	7.7		7.4	11.0

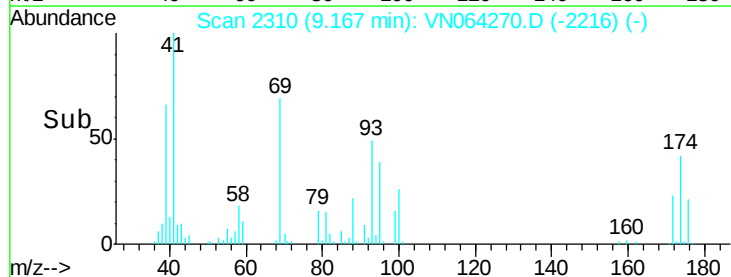
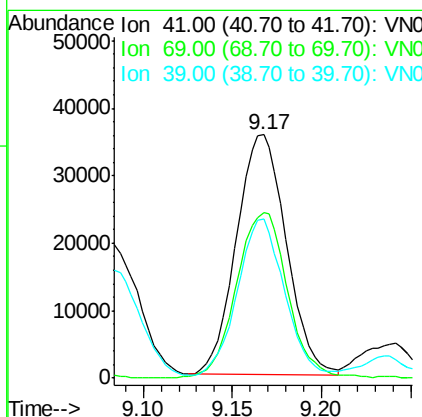
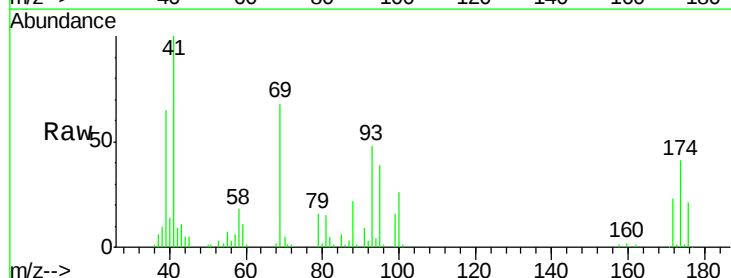
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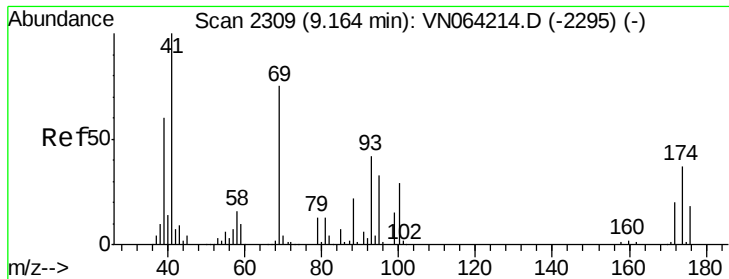
MMDadoda
10/23/2020 3:36:33 PM



#48
Methyl methacrylate
Concen: 18.075 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN064270.D
Acq: 22 Oct 2020 23:13

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	69658		
69	70.7		57.3	85.9
39	63.4		48.6	73.0





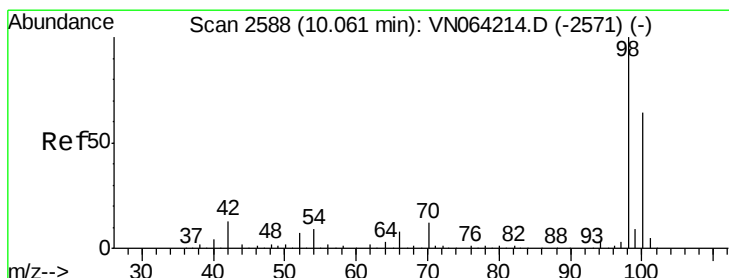
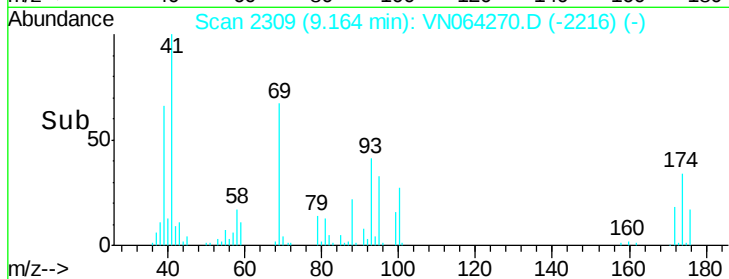
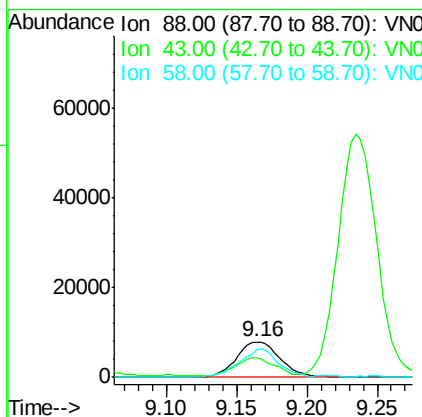
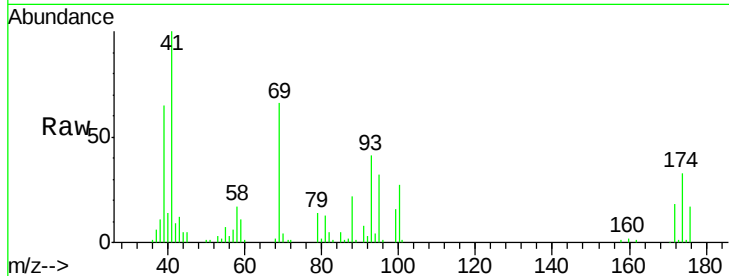
#49
1,4-Dioxane
Concen: 382.074 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN064270.D
Acq: 22 Oct 2020 23:13

Instrument :
MSVOA_N
ClientSampleId :
VN1022MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	45.2	34.6	52.0
58	71.5	59.0	88.6

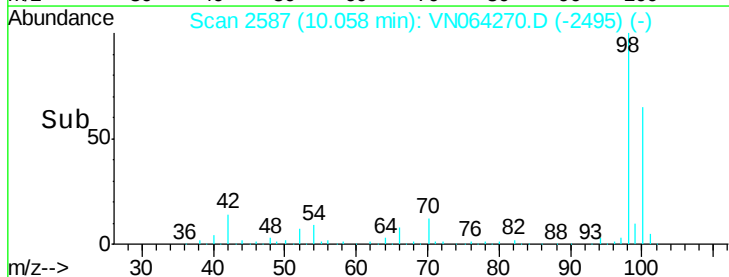
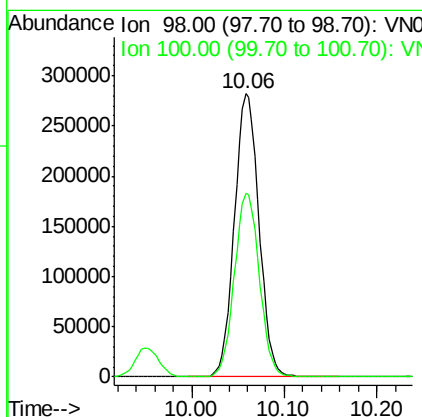
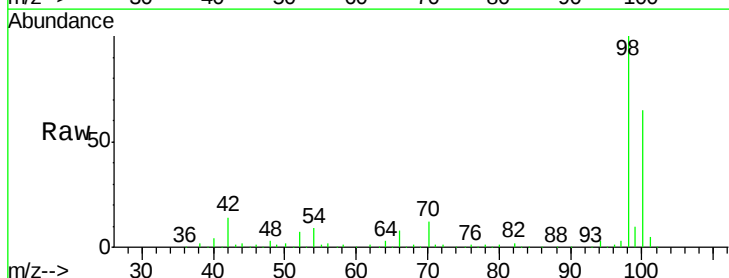
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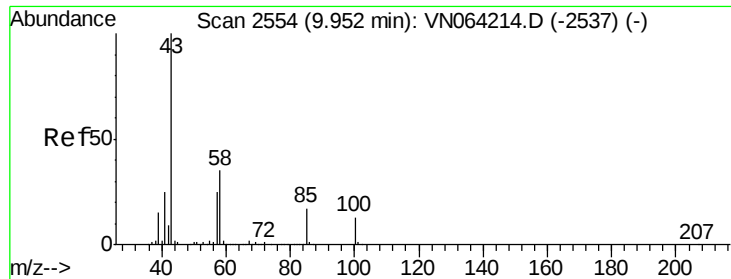
MMDadoda
10/23/2020 3:36:33 PM



#50
Toluene-d8
Concen: 49.165 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN064270.D
Acq: 22 Oct 2020 23:13

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	50.8	76.2





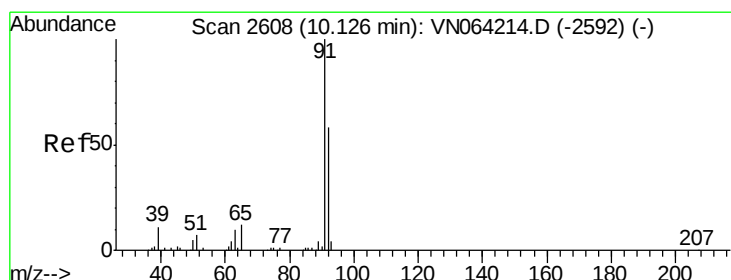
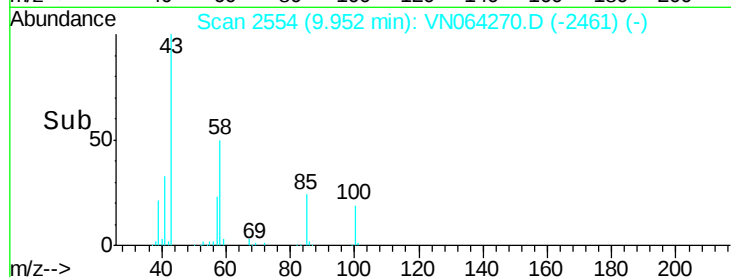
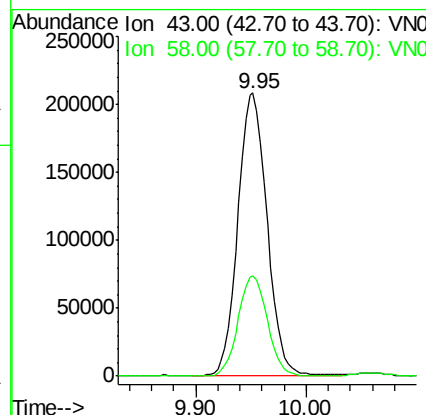
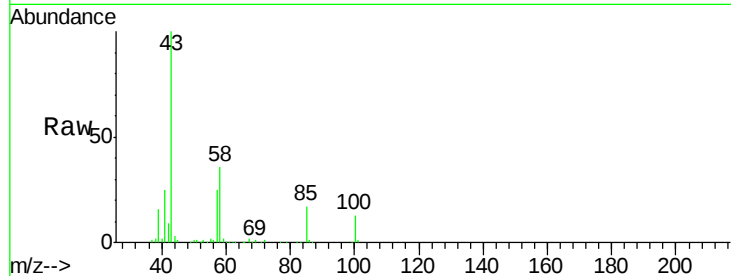
#51
 4-Methyl-2-Pentanone
 Concen: 96.238 ug/l
 RT: 9.95 min Scan# 2554
 Delta R.T. -0.00 min
 Lab File: VN064270.D
 Acq: 22 Oct 2020 23:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1022MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	35.7	28.6	42.8

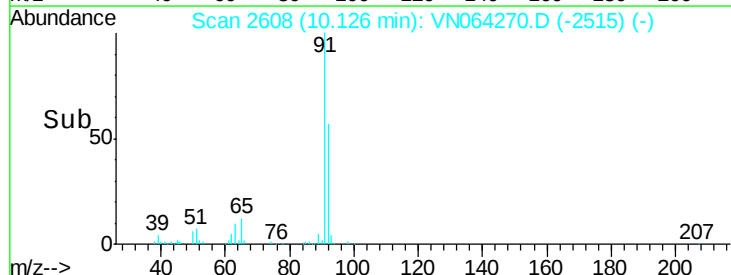
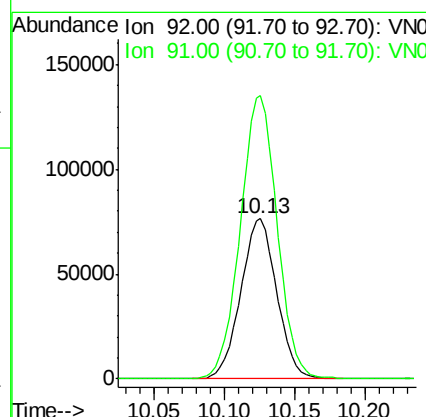
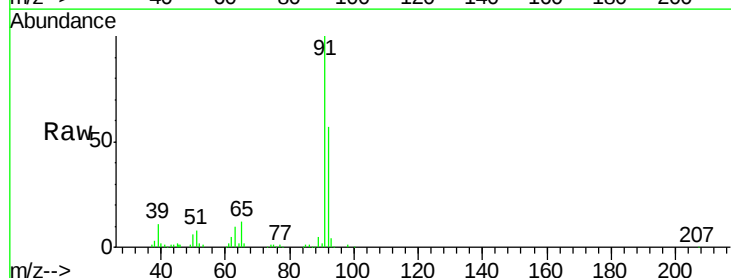
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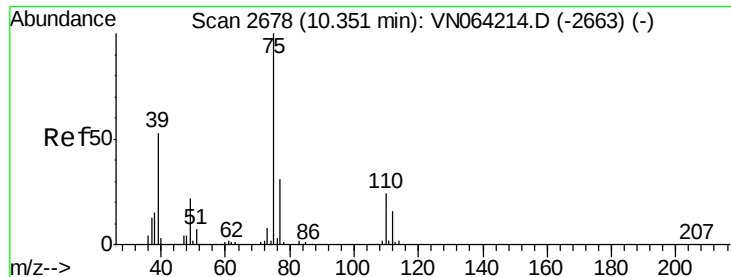
MMDadoda
 10/23/2020 3:36:33 PM



#52
 Toluene
 Concen: 17.722 ug/l
 RT: 10.13 min Scan# 2608
 Delta R.T. -0.00 min
 Lab File: VN064270.D
 Acq: 22 Oct 2020 23:13

Tgt Ion	Ratio	Lower	Upper
92	100		
91	181.2	137.4	206.2





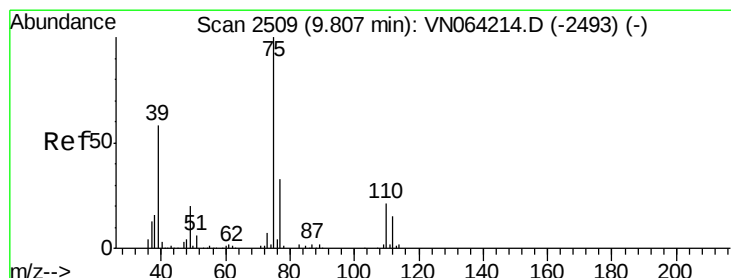
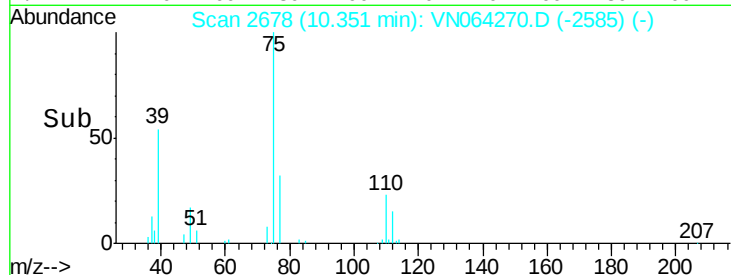
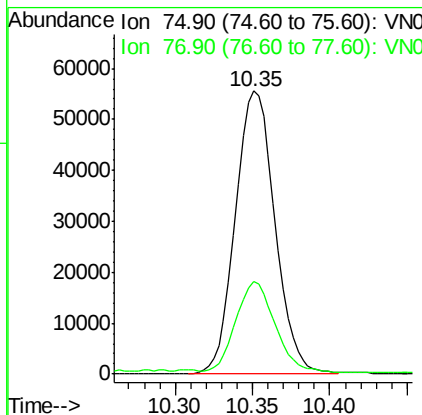
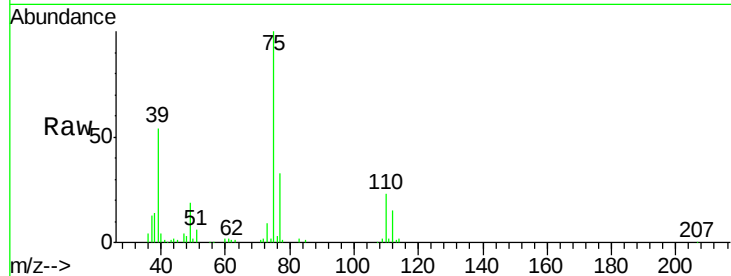
#53
t-1,3-Dichloropropene
Concen: 18.700 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN064270.D
Acq: 22 Oct 2020 23:13

Instrument :
MSVOA_N
ClientSampleId :
VN1022MBS01

Tot Ion: 75 Resp: 99013
Ion Ratio Lower Upper
75 100
77 32.1 25.4 38.2

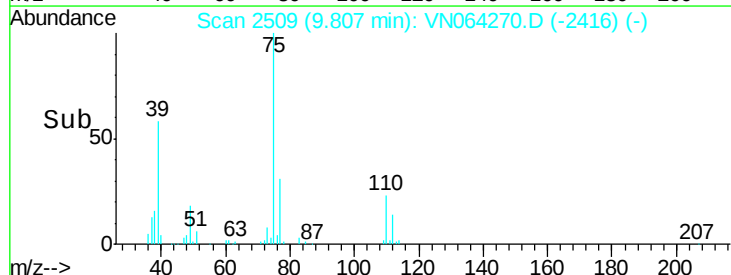
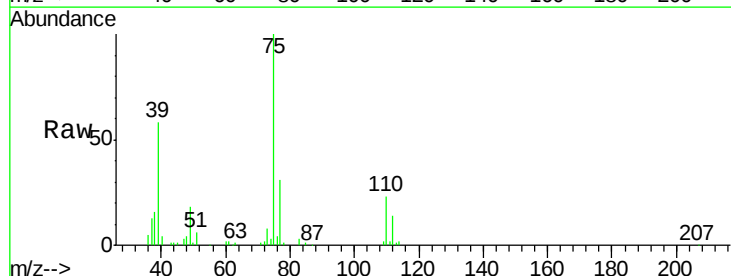
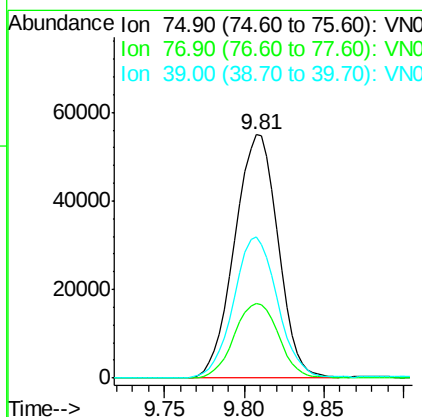
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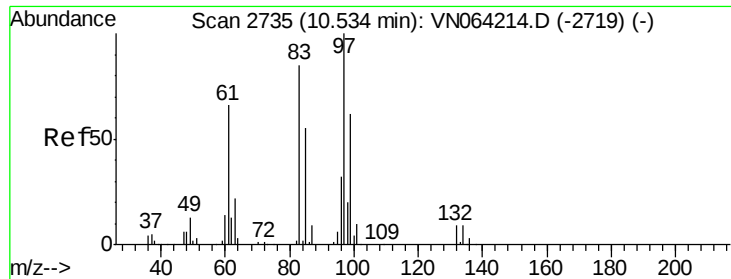
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#54
cis-1,3-Dichloropropene
Concen: 18.325 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN064270.D
Acq: 22 Oct 2020 23:13

Tgt Ion: 75 Resp: 102161
Ion Ratio Lower Upper
75 100
77 30.5 26.6 39.8
39 57.3 46.7 70.1





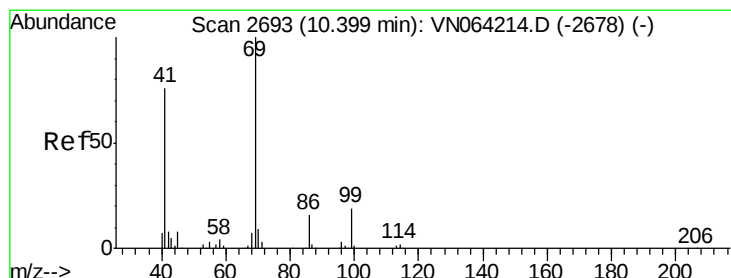
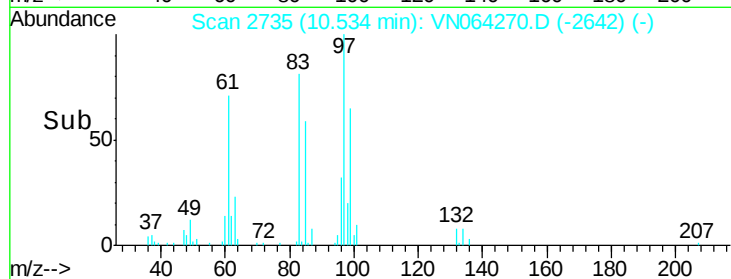
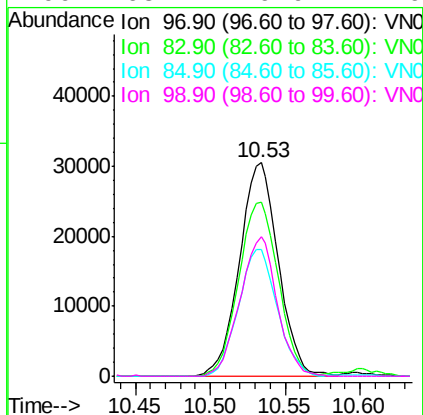
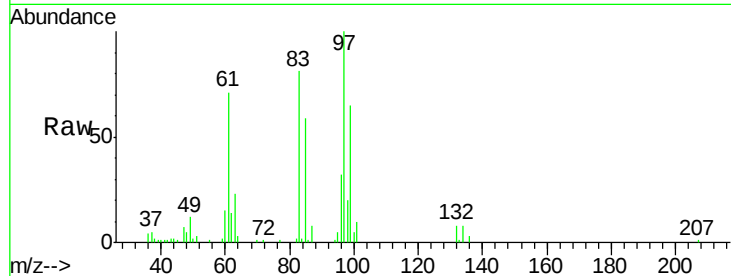
#55
 1,1,2-Trichloroethane
 Concen: 19.008 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. -0.00 min
 Lab File: VN064270.D
 Acq: 22 Oct 2020 23:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1022MBS01

Tot Ion:	97	Resp:	55283
Ion	Ratio	Lower	Upper
97	100		
83	81.4	67.8	101.6
85	59.3	43.6	65.4
99	65.2	49.9	74.9

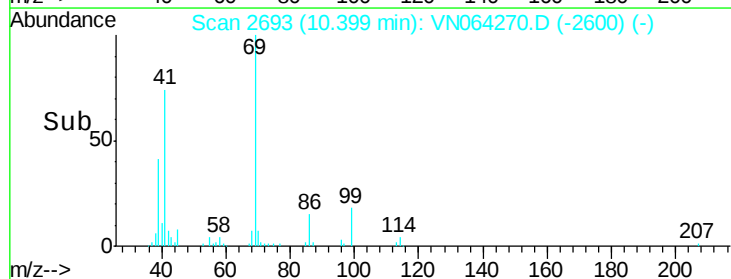
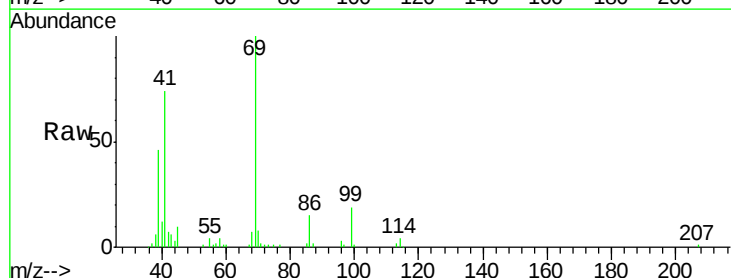
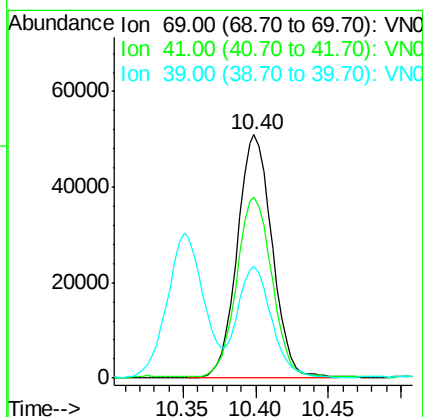
Manual Integrations
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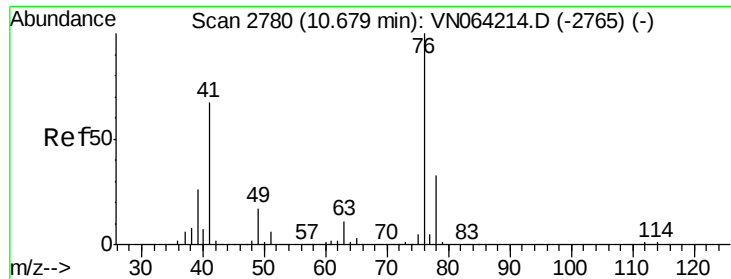
MMDadoda
 10/23/2020 3:36:33 PM



#56
 Ethyl methacrylate
 Concen: 18.983 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. -0.00 min
 Lab File: VN064270.D
 Acq: 22 Oct 2020 23:13

Tgt Ion:	69	Resp:	85370
Ion	Ratio	Lower	Upper
69	100		
41	74.6	61.4	92.2
39	45.1	36.0	54.0





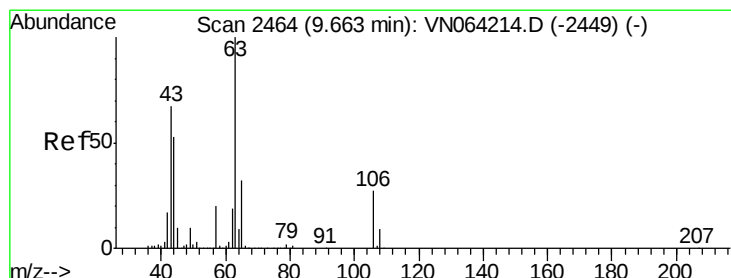
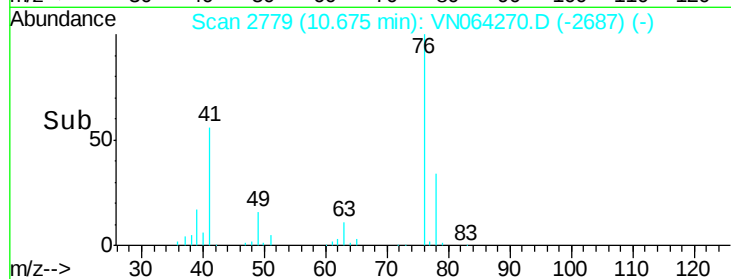
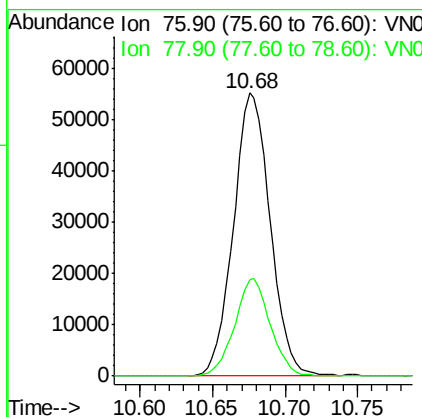
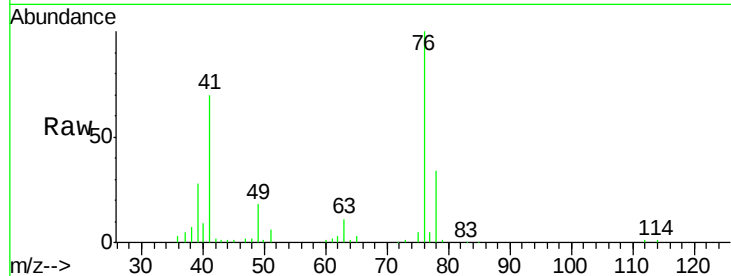
#57
 1,3-Dichloropropane
 Concen: 19.248 ug/l
 RT: 10.68 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN064270.D
 Acq: 22 Oct 2020 23:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1022MBS01

Tot Ion: 76 Resp: 97241
 Ion Ratio Lower Upper
 76 100
 78 33.3 26.2 39.2

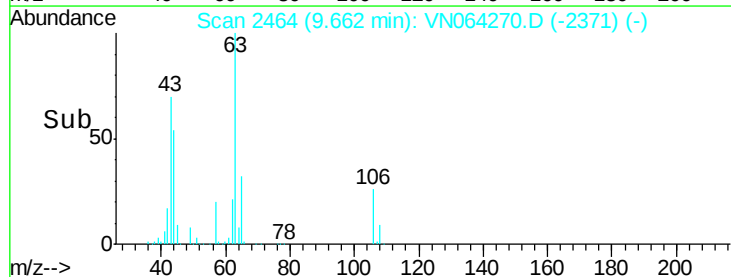
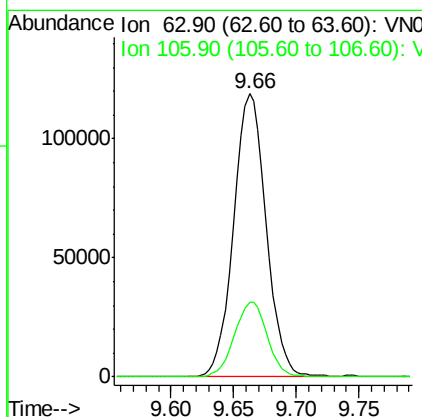
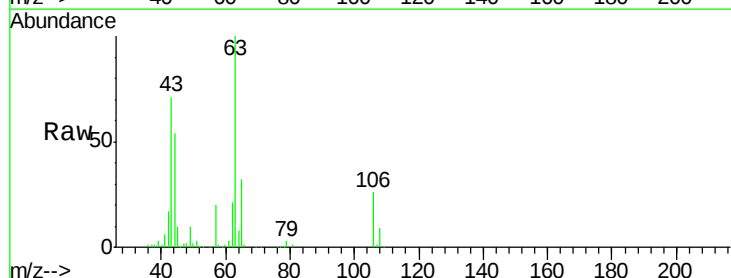
Manual Integrations
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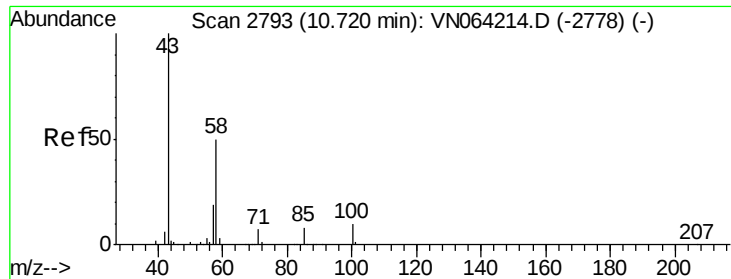
MMDadoda
 10/23/2020 3:36:33 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 92.714 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN064270.D
 Acq: 22 Oct 2020 23:13

Tgt Ion: 63 Resp: 214702
 Ion Ratio Lower Upper
 63 100
 106 26.8 21.3 31.9





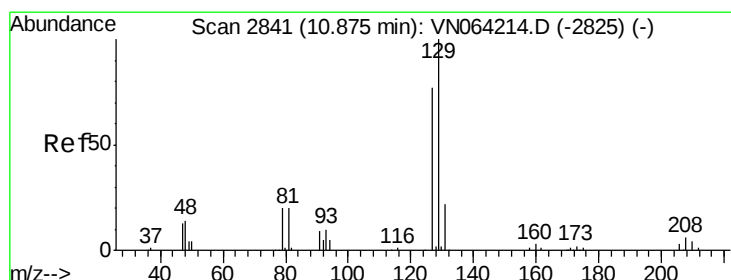
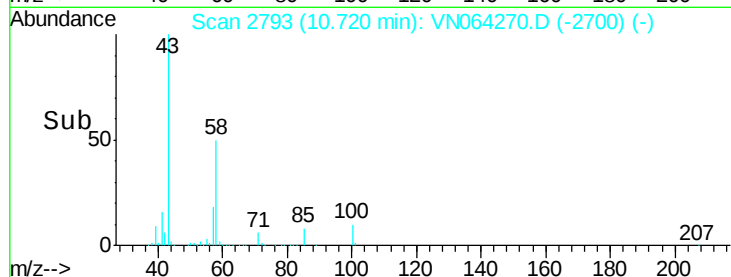
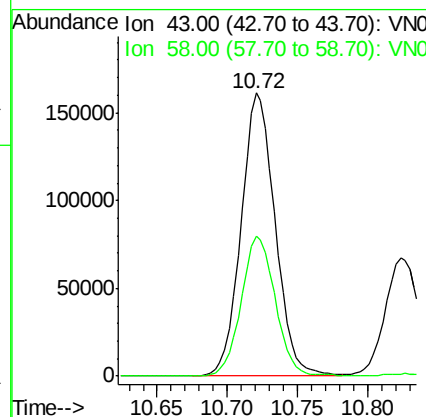
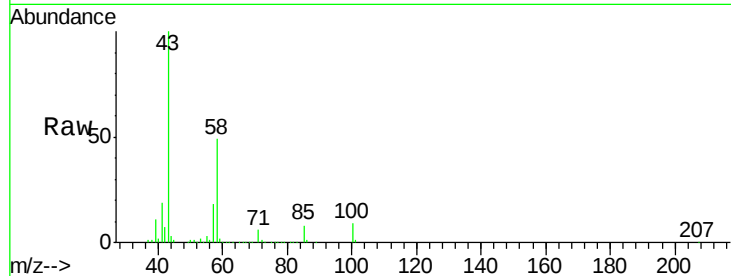
#59
2-Hexanone
Concen: 94.120 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN064270.D
Acq: 22 Oct 2020 23:13

Instrument :
MSVOA_N
ClientSampleId :
VN1022MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.5	24.8	74.3

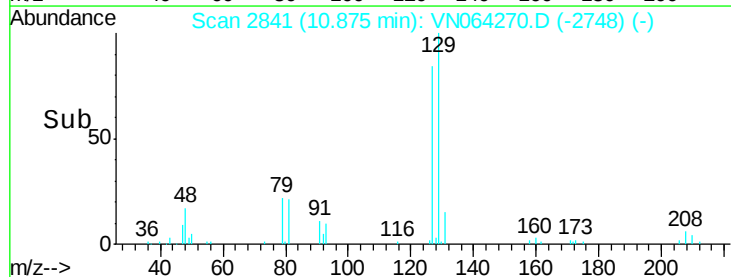
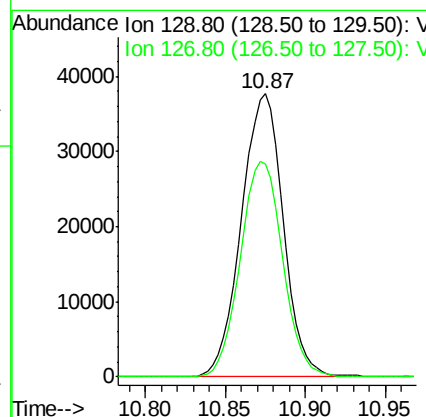
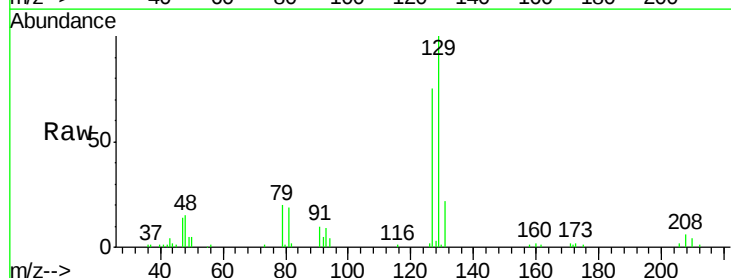
Manual Integrations
APPROVED

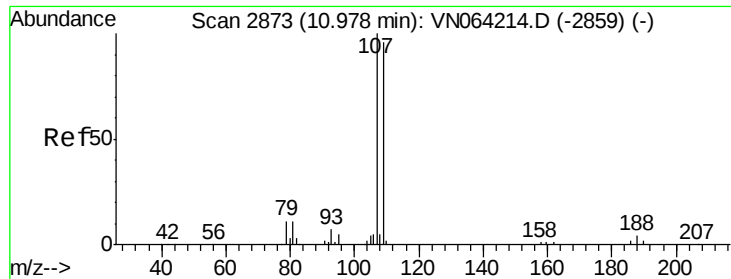
MMDadoda
10/23/2020 3:36:33 PM



#60
Dibromochloromethane
Concen: 17.903 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. -0.00 min
Lab File: VN064270.D
Acq: 22 Oct 2020 23:13

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.8	38.8	116.3





#61

1,2-Dibromoethane

Concen: 18.984 ug/l

RT: 10.98 min Scan# 2873

Delta R.T. -0.00 min

Lab File: VN064270.D

Acq: 22 Oct 2020 23:13

Instrument :

MSVOA_N

ClientSampleId :

VN1022MBS01

Tot Ion: 107 Resp: 58263

Ion Ratio Lower Upper

107 100

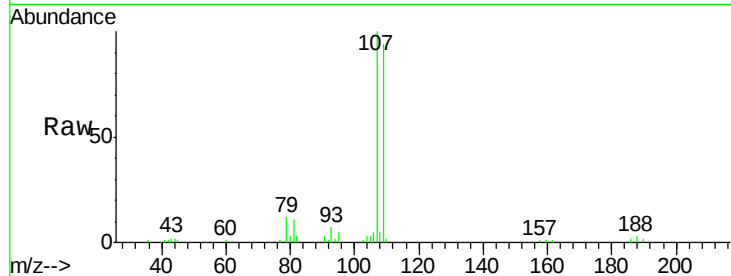
109 94.3 76.2 114.4

Manual Integrations

APPROVED

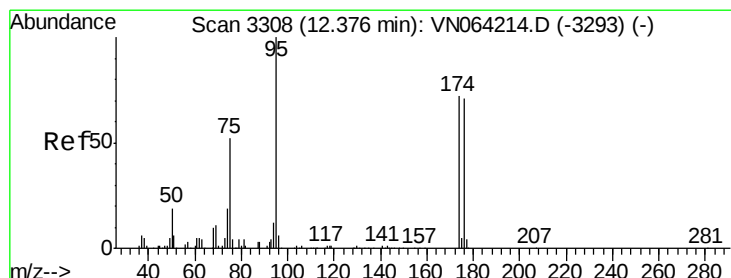
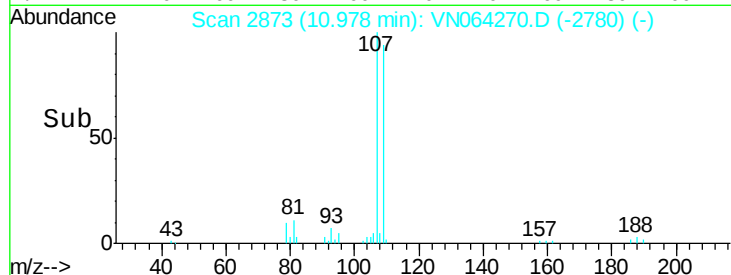
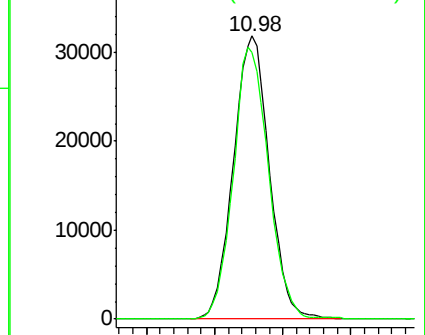
MMDadoda

10/23/2020 3:36:33 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.350 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. -0.00 min

Lab File: VN064270.D

Acq: 22 Oct 2020 23:13

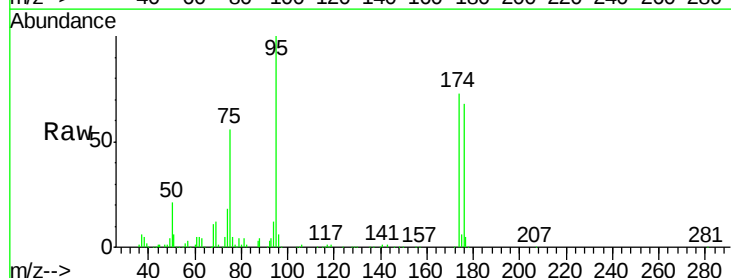
Tgt Ion: 95 Resp: 202454

Ion Ratio Lower Upper

95 100

174 73.9 0.0 144.4

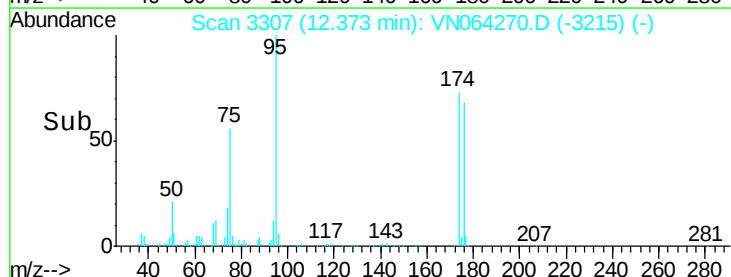
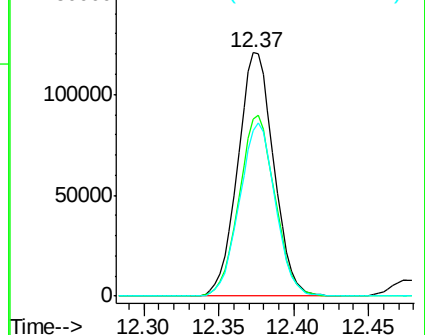
176 70.8 0.0 139.2

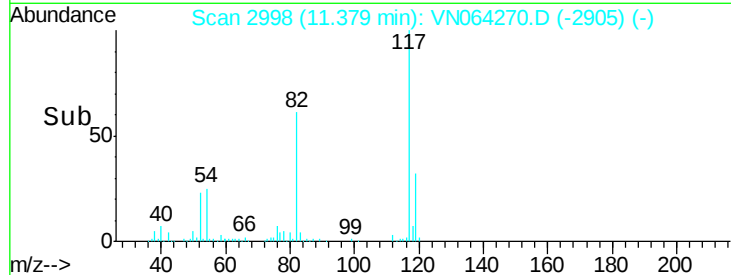
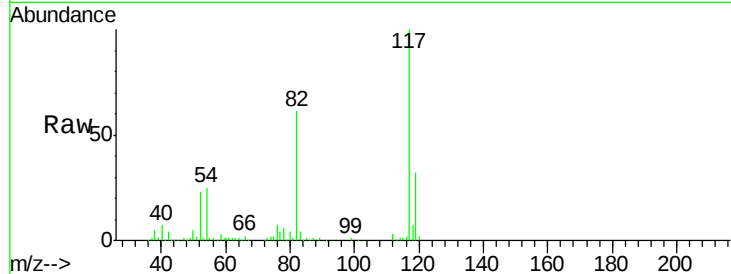
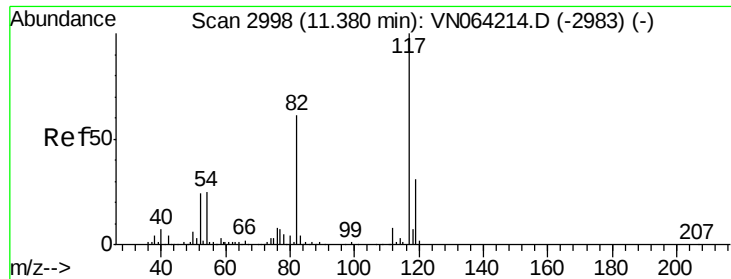


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





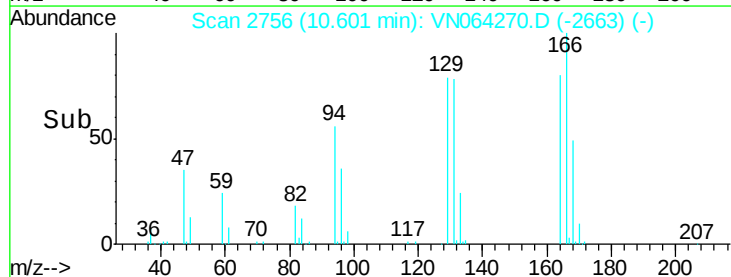
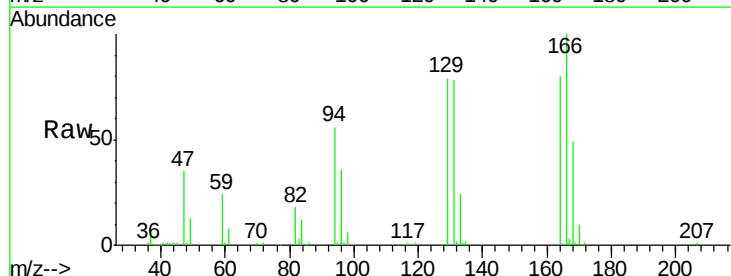
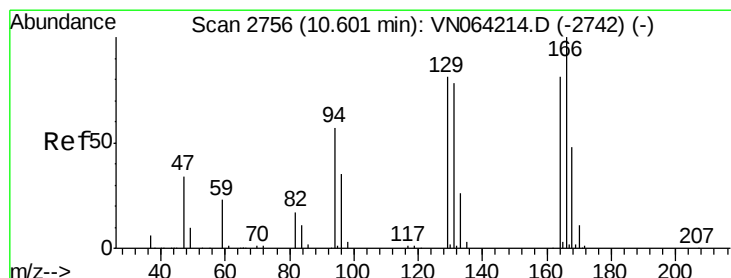
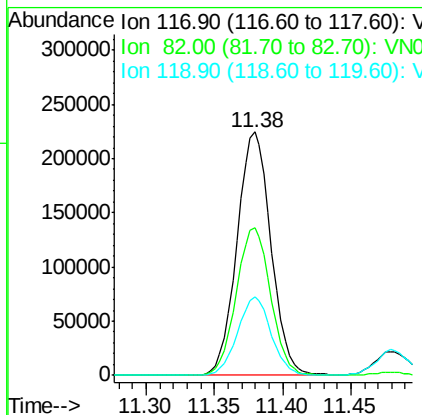
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064270.D
Acq: 22 Oct 2020 23:13

Tot Ion	Ratio	Resp	Lower	Upper
117	100	387565		
82	60.5	48.8	73.2	
119	32.1	24.7	37.1	

Instrument :
MSVOA_N
ClientSampleId :
VN1022MBS01

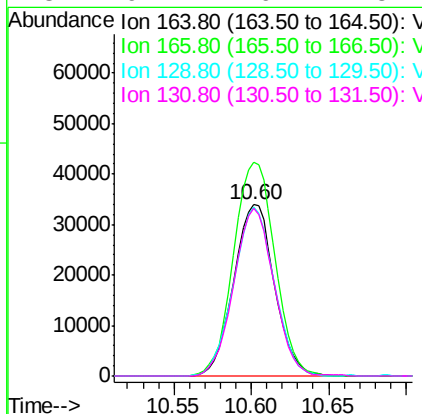
Manual Integrations
APPROVED

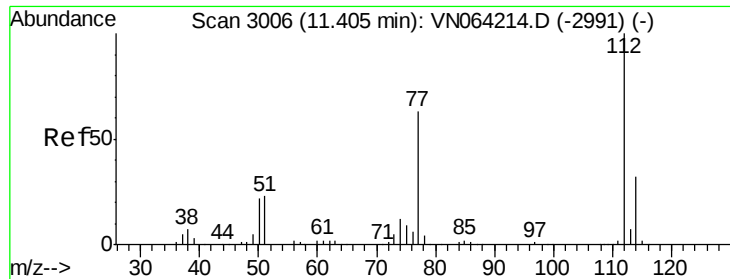
MMDadoda
10/23/2020 3:36:33 PM



#64
Tetrachloroethene
Concen: 19.900 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN064270.D
Acq: 22 Oct 2020 23:13

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	62091		
166	124.9	98.9	148.3	
129	99.0	79.9	119.9	
131	97.7	76.7	115.1	





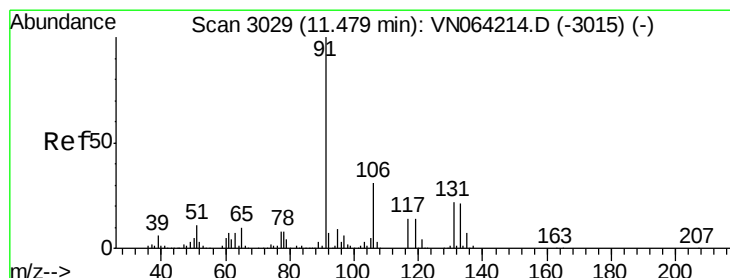
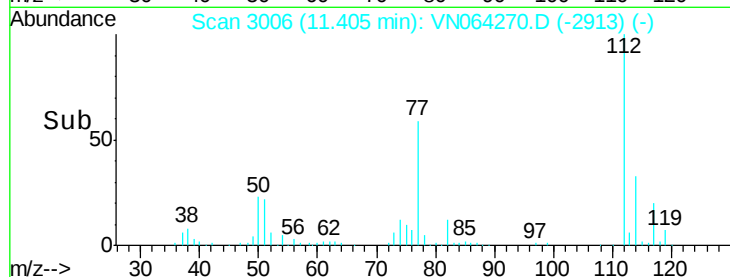
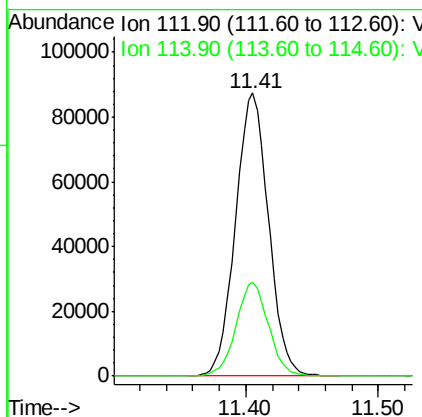
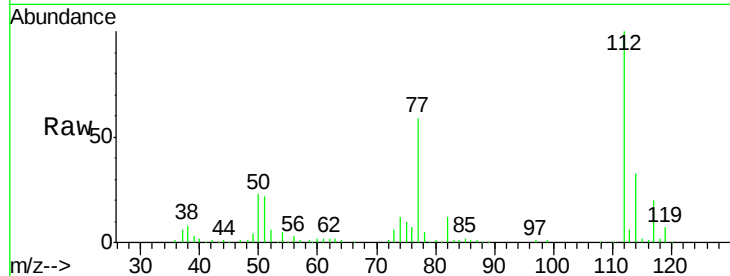
#65
Chlorobenzene
Concen: 18.851 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN064270.D
Acq: 22 Oct 2020 23:13

Instrument :
MSVOA_N
ClientSampleId :
VN1022MBS01

Tot Ion:112 Resp: 151233
Ion Ratio Lower Upper
112 100
114 33.4 25.7 38.5

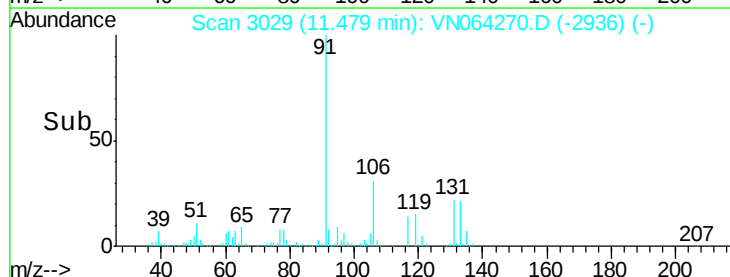
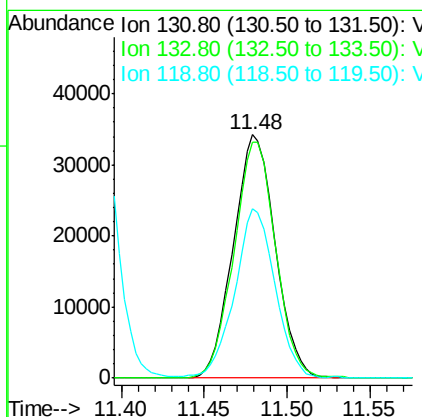
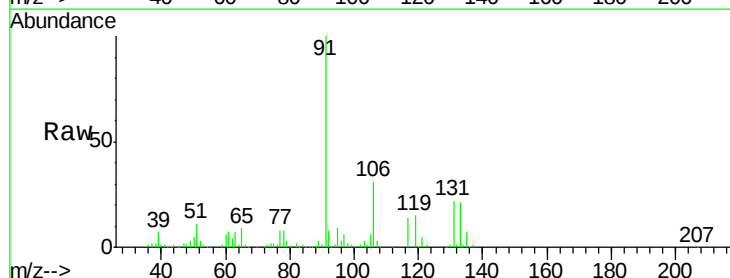
Manual Integrations
APPROVED

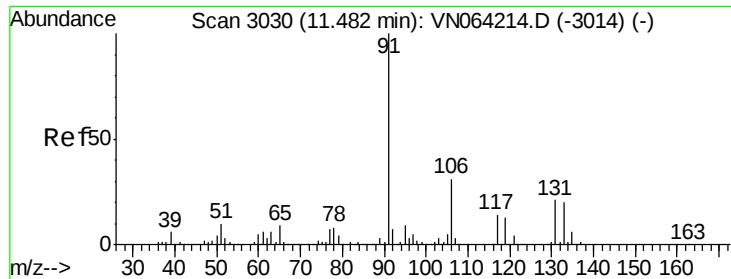
MMDadoda
10/23/2020 3:36:33 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.858 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN064270.D
Acq: 22 Oct 2020 23:13

Tgt Ion:131 Resp: 60050
Ion Ratio Lower Upper
131 100
133 96.8 47.8 143.4
119 67.3 32.2 96.6





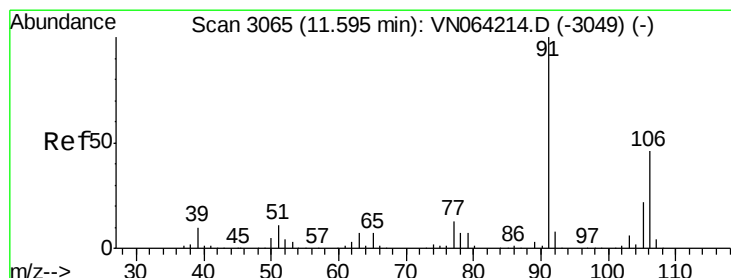
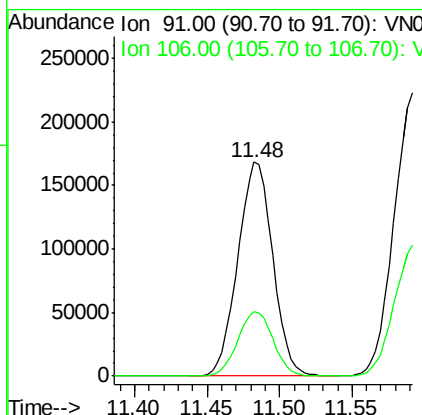
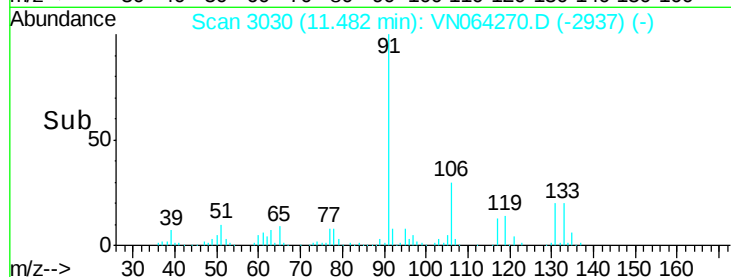
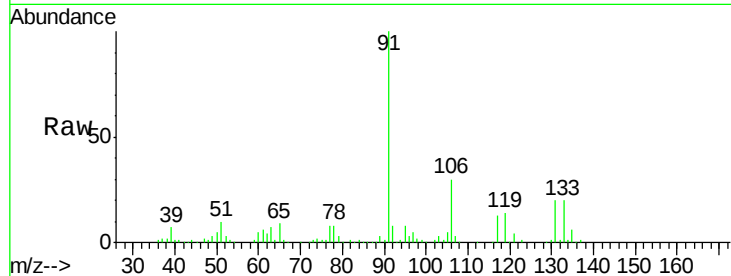
#67
Ethyl Benzene
Concen: 19.159 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN064270.D
Acq: 22 Oct 2020 23:13

Instrument :
MSVOA_N
ClientSampleId :
VN1022MBS01

Tot Ion: 91 Resp: 282463
Ion Ratio Lower Upper
91 100
106 30.3 24.8 37.2

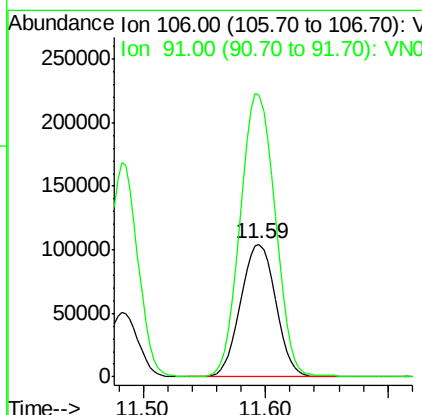
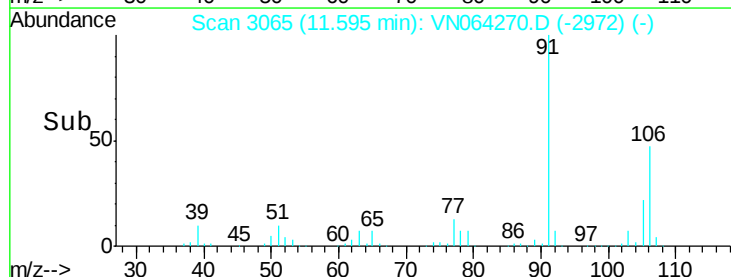
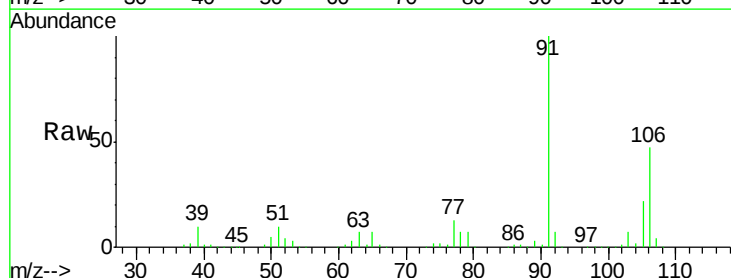
Manual Integrations
APPROVED

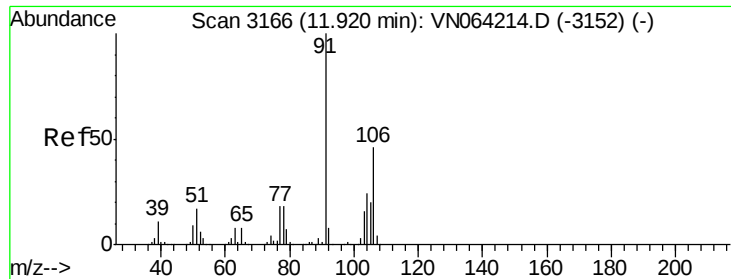
MMDadoda
10/23/2020 3:36:33 PM



#68
m/p-Xylenes
Concen: 37.988 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. -0.00 min
Lab File: VN064270.D
Acq: 22 Oct 2020 23:13

Tgt Ion: 106 Resp: 207507
Ion Ratio Lower Upper
106 100
91 212.0 172.2 258.2





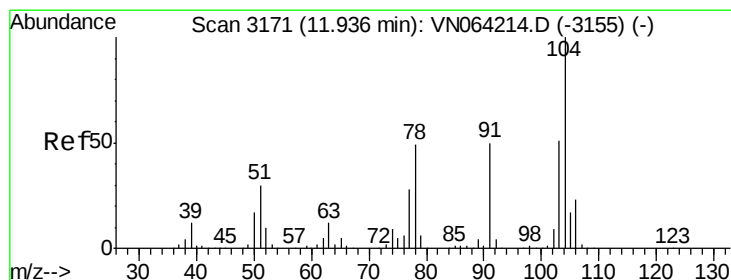
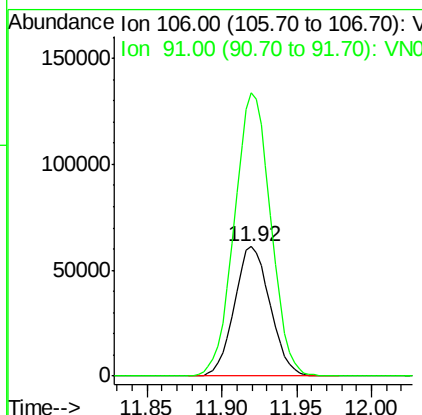
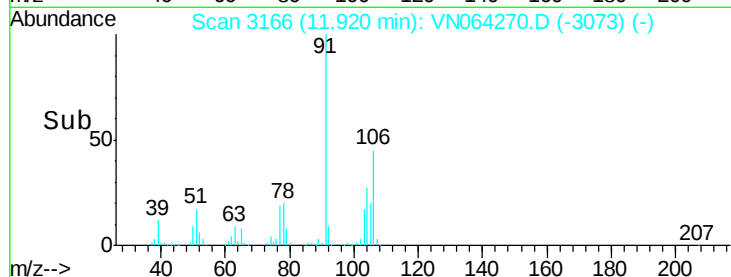
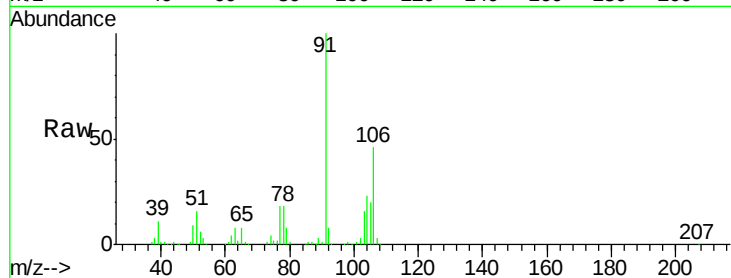
#69
o-Xylene
Concen: 19.295 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN064270.D
Acq: 22 Oct 2020 23:13

Instrument :
MSVOA_N
ClientSampled :
VN1022MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	101937		
91	91	221.8	109.9	329.6	

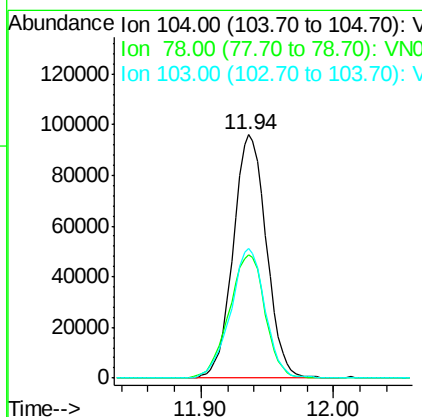
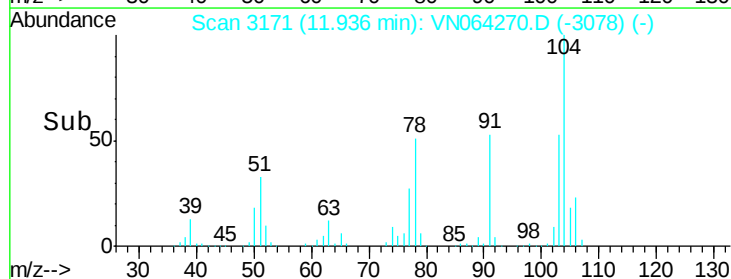
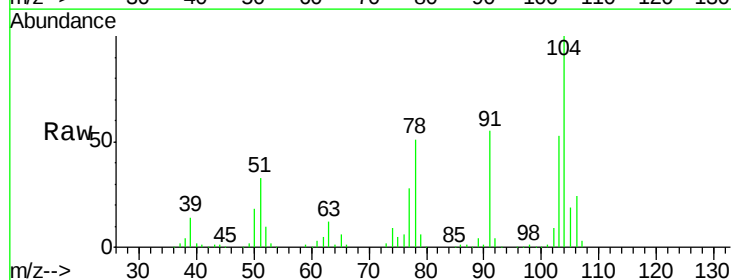
Manual Integrations
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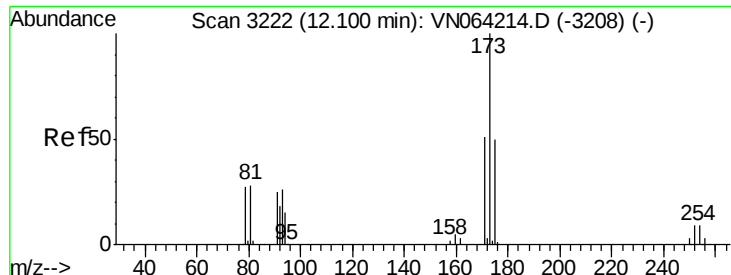
MMDadoda
10/23/2020 3:36:33 PM



#70
Styrene
Concen: 18.862 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064270.D
Acq: 22 Oct 2020 23:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	167028		
78	78	55.3	43.8	65.6	
103	103	55.2	43.4	65.2	





#71

Bromoform

Concen: 18.538 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. -0.00 min

Lab File: VN064270.D

Acq: 22 Oct 2020 23:13

Instrument :

MSVOA_N

ClientSampleId :

VN1022MBS01

Tot Ion:173 Resp: 45601

Ion Ratio Lower Upper

173 100

175 51.3 25.1 75.3

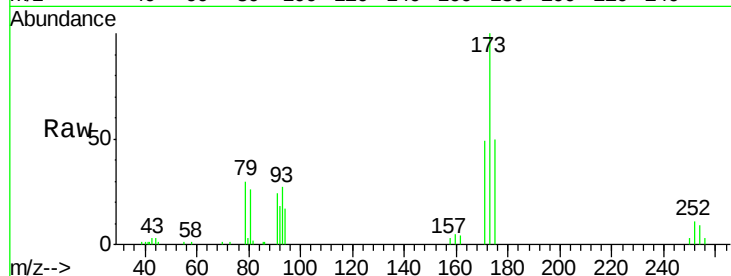
254 0.0 0.0 0.0

Manual Integrations

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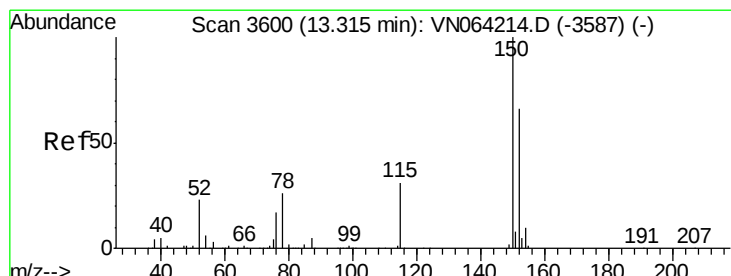
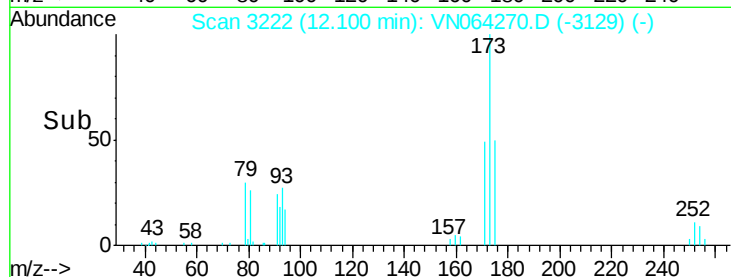
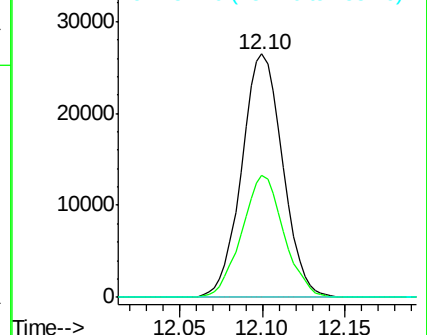
10/23/2020 3:36:33 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN064270.D

Acq: 22 Oct 2020 23:13

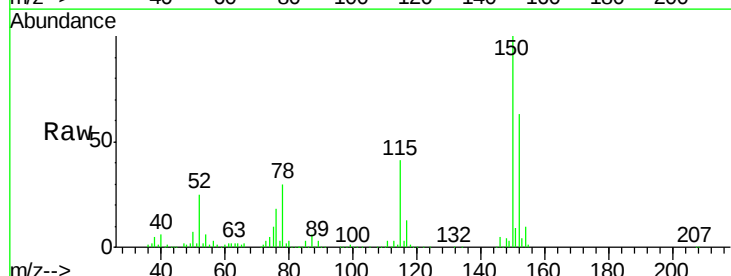
Tgt Ion:152 Resp: 184022

Ion Ratio Lower Upper

152 100

115 63.3 32.0 96.2

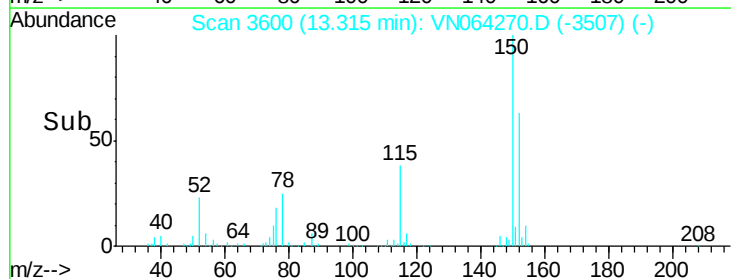
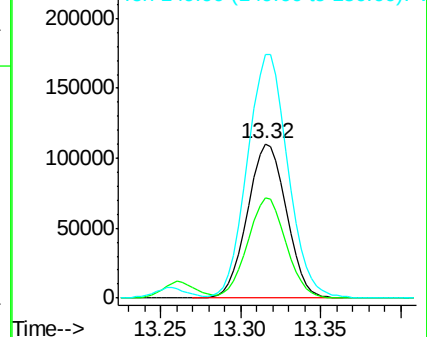
150 163.5 0.0 356.6

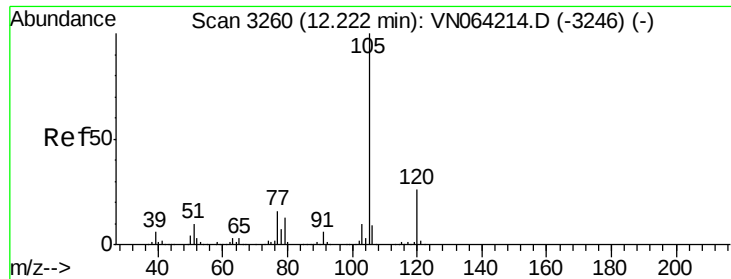


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





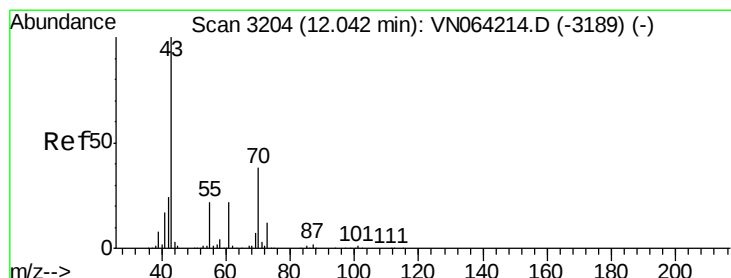
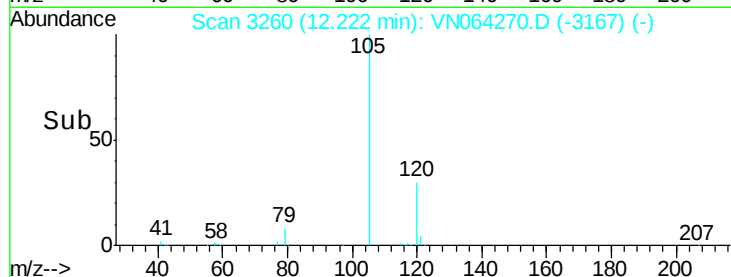
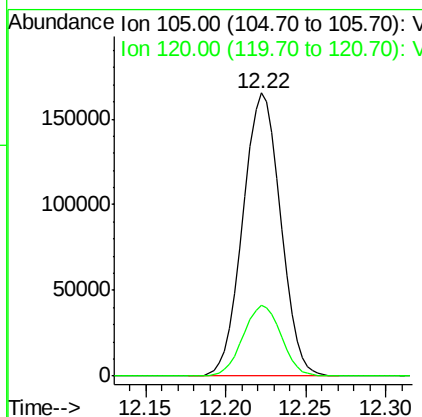
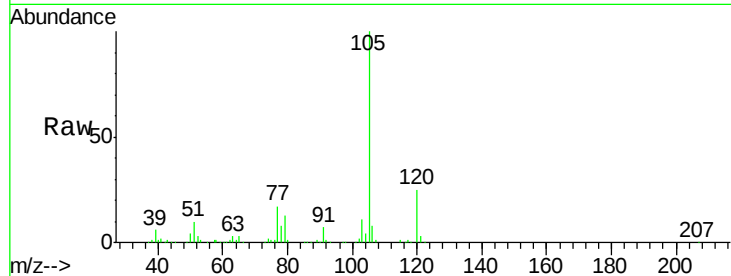
#73
Isopropylbenzene
Concen: 18.959 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. -0.00 min
Lab File: VN064270.D
Acq: 22 Oct 2020 23:13

Instrument :
MSVOA_N
ClientSampleId :
VN1022MBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.3	12.9	38.7

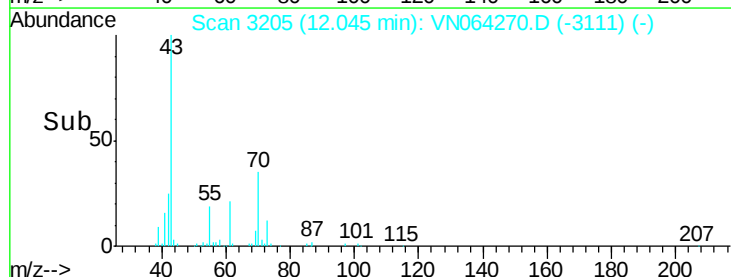
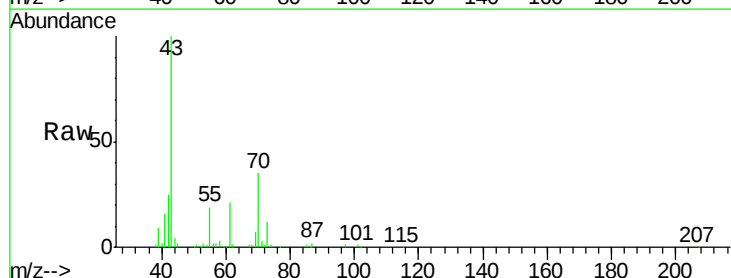
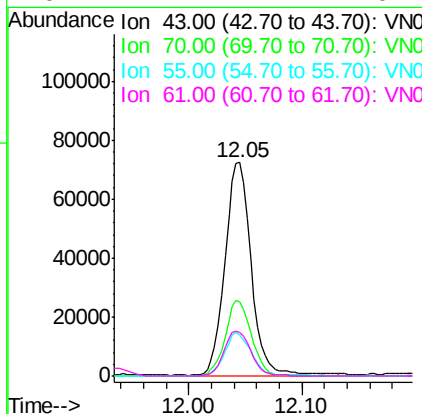
Manual Integrations
APPROVED

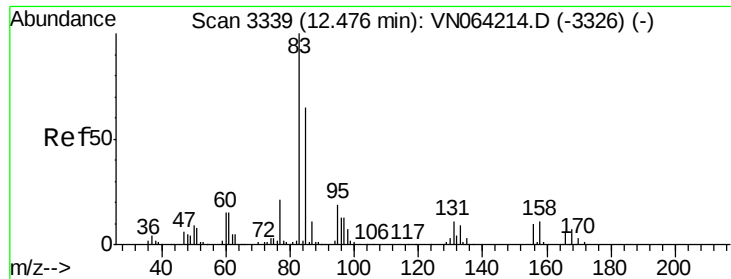
MMDadoda
10/23/2020 3:36:33 PM



#74
N-ethyl acetate
Concen: 19.228 ug/l
RT: 12.05 min Scan# 3205
Delta R.T. 0.00 min
Lab File: VN064270.D
Acq: 22 Oct 2020 23:13

Tgt Ion	Ratio	Lower	Upper
43	100		
70	35.5	30.2	45.4
55	20.8	18.0	27.0
61	21.7	17.4	26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 19.297 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064270.D

Acq: 22 Oct 2020 23:13

Instrument :

MSVOA_N

ClientSampleId :

VN1022MBS01

Tot Ion: 83 Resp: 71873

Ion Ratio Lower Upper

83 100

131 10.4 5.5 16.7

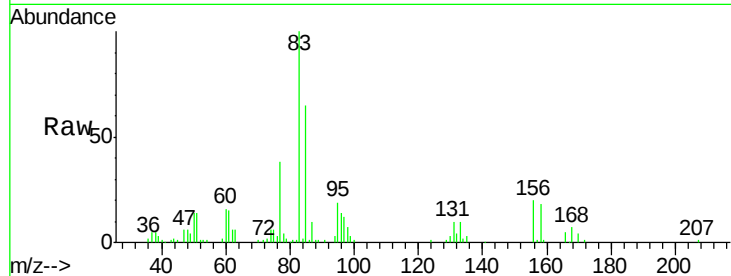
85 66.4 32.4 97.0

Manual Integrations

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MMDadoda

10/23/2020 3:36:33 PM

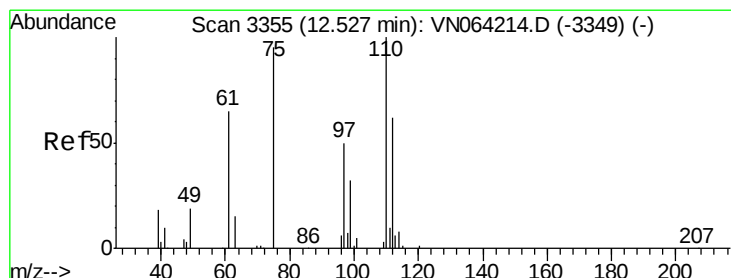
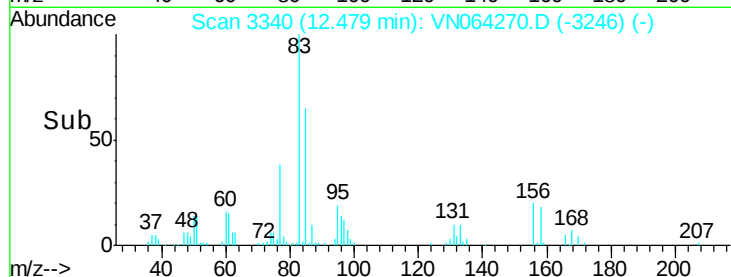


Abundance Ion 82.90 (82.60 to 83.60): VN064270.D (-3246) (-)

Ion 130.80 (130.50 to 131.50): VN064270.D (-3246) (-)

Ion 84.90 (84.60 to 85.60): VN064270.D (-3246) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 19.087 ug/l m

RT: 12.53 min Scan# 3355

Delta R.T. -0.00 min

Lab File: VN064270.D

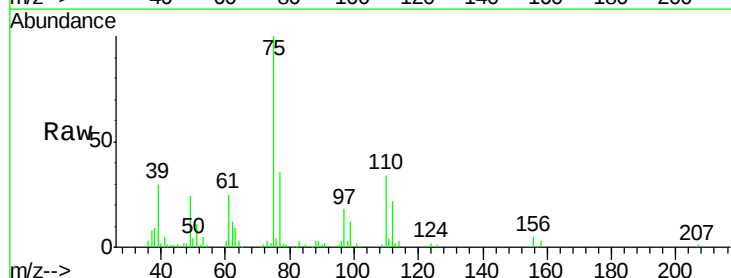
Acq: 22 Oct 2020 23:13

Tgt Ion: 75 Resp: 74047

Ion Ratio Lower Upper

75 100

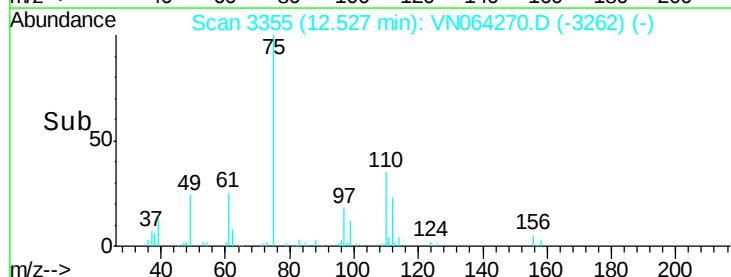
77 0.0 0.0 0.0

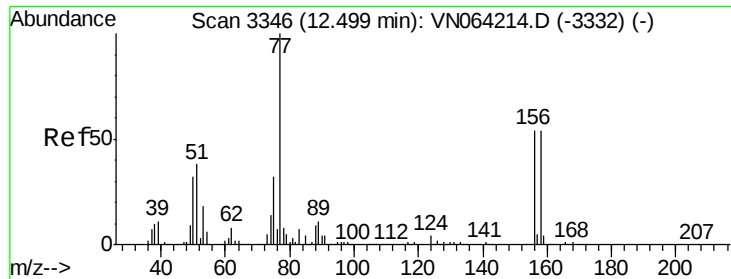


Abundance Ion 74.90 (74.60 to 75.60): VN064270.D (-3262) (-)

Ion 77.00 (76.70 to 77.70): VN064270.D (-3262) (-)

Time-->





#77

Bromobenzene

Concen: 19.667 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN064270.D

Acq: 22 Oct 2020 23:13

Instrument :

MSVOA_N

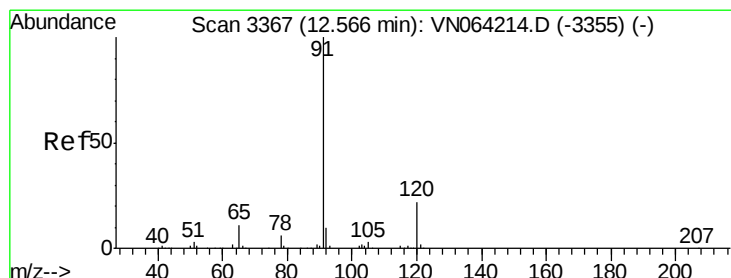
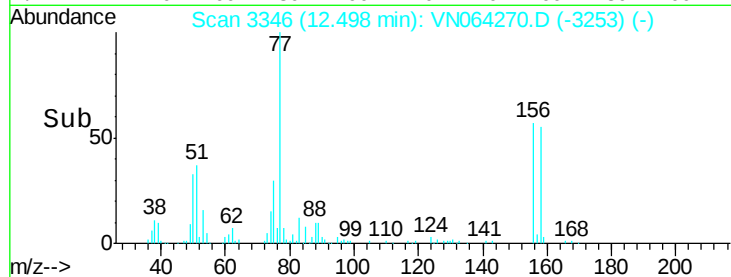
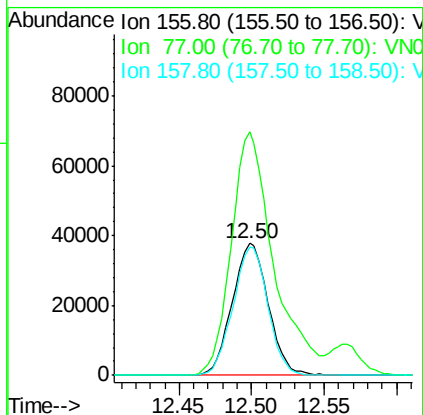
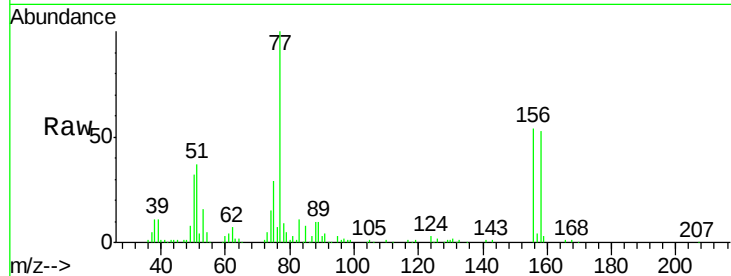
ClientSampleId :

VN1022MBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	217.8	111.1	333.4
158	93.8	50.0	150.1

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#78

n-propylbenzene

Concen: 18.854 ug/l

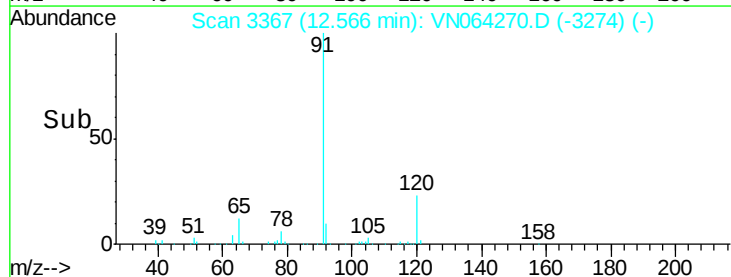
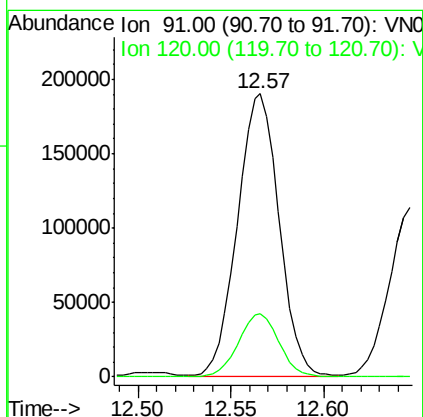
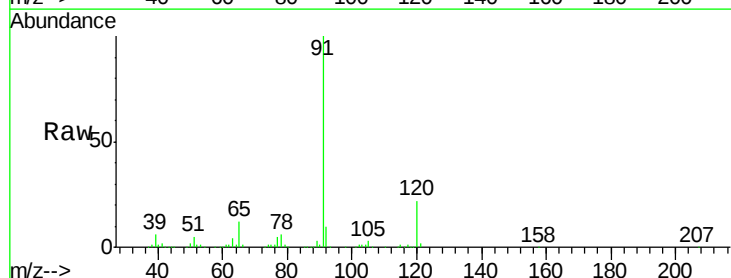
RT: 12.57 min Scan# 3367

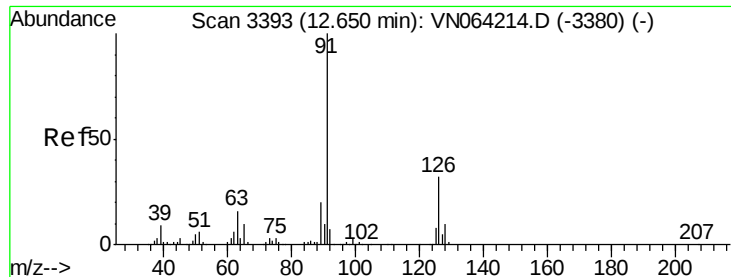
Delta R.T. -0.00 min

Lab File: VN064270.D

Acq: 22 Oct 2020 23:13

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.7	11.1	33.1





#79

2-Chlorotoluene

Concen: 19.567 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064270.D

Acq: 22 Oct 2020 23:13

Instrument :

MSVOA_N

ClientSampleId :

VN1022MBS01

Tot Ion: 91 Resp: 190191

Ion Ratio Lower Upper

91 100

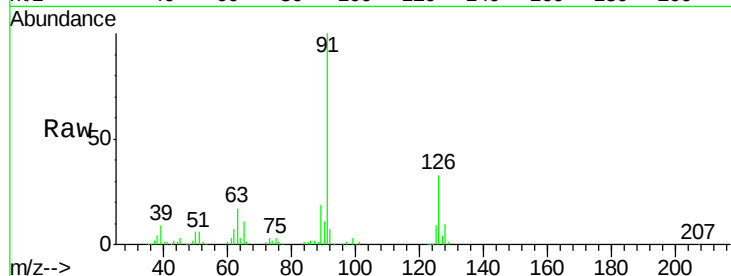
126 32.1 16.0 48.0

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN064270.D (-3392) (-)

Ion 125.90 (125.60 to 126.60): VN064270.D (-3392) (-)

150000

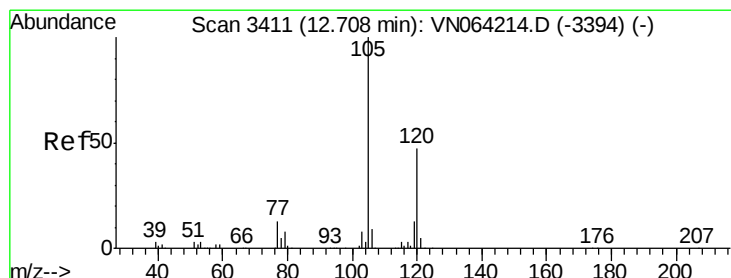
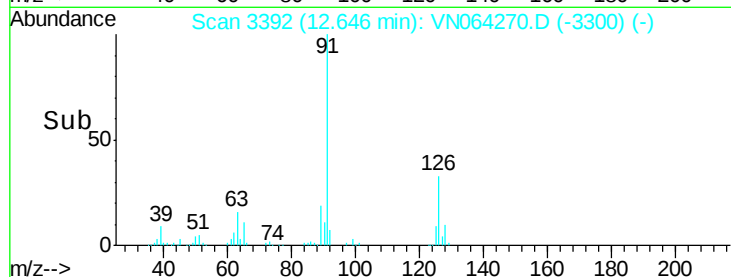
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.012 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN064270.D

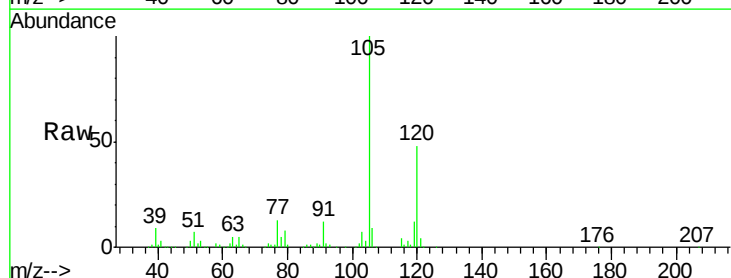
Acq: 22 Oct 2020 23:13

Tgt Ion: 105 Resp: 225583

Ion Ratio Lower Upper

105 100

120 47.2 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN064270.D (-3318) (-)

Ion 120.00 (119.70 to 120.70): VN064270.D (-3318) (-)

150000

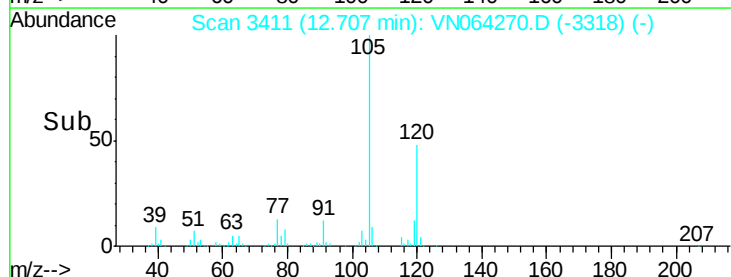
100000

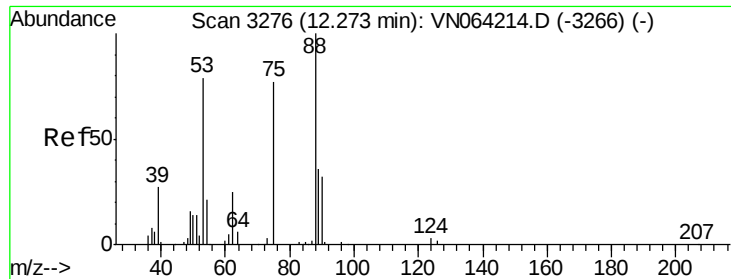
50000

0

12.65 12.70 12.75

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 16.785 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. -0.00 min

Lab File: VN064270.D

Acq: 22 Oct 2020 23:13

Instrument :

MSVOA_N

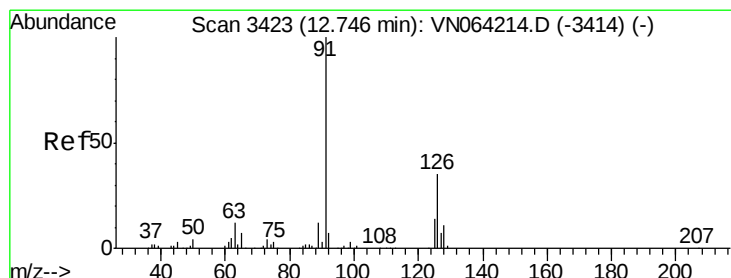
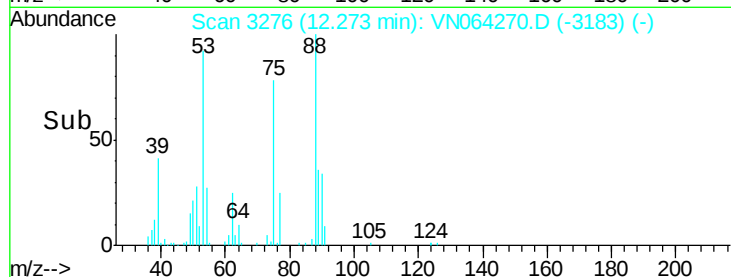
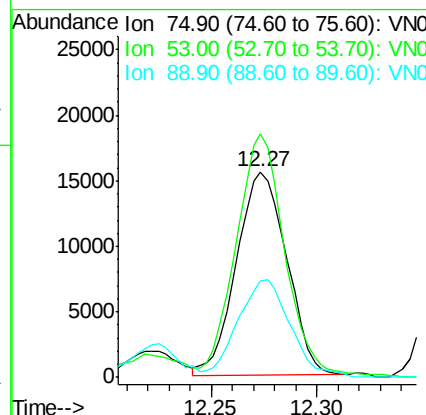
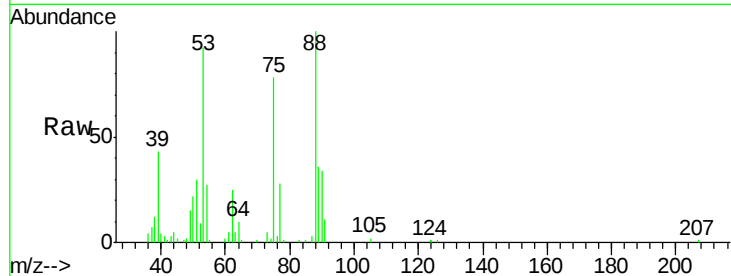
ClientSampleId :

VN1022MBS01

Tot Ion:	75	Resp:	25792
Ion	Ratio	Lower	Upper
75	100		
53	116.5	81.0	121.4
89	49.8	38.7	58.1

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#82

4-Chlorotoluene

Concen: 19.289 ug/l

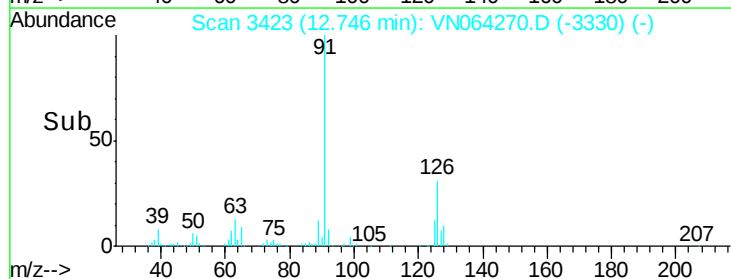
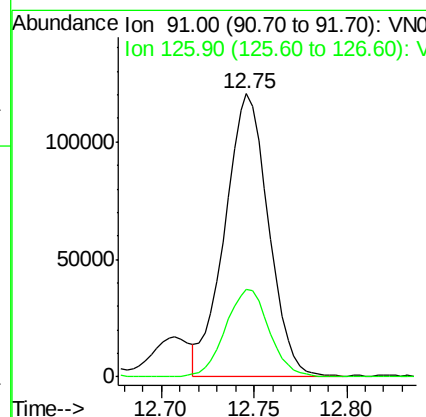
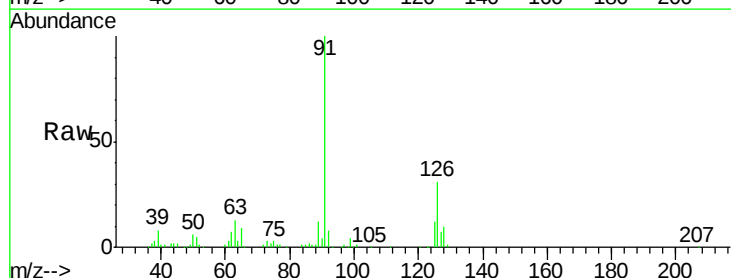
RT: 12.75 min Scan# 3423

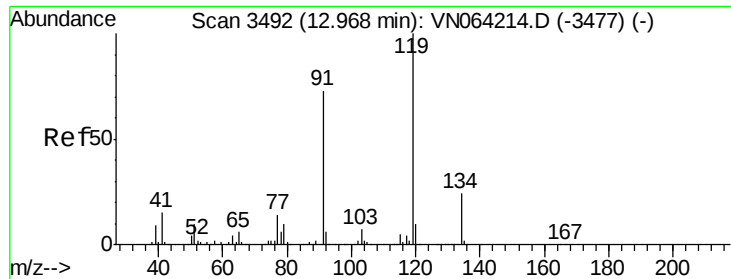
Delta R.T. -0.00 min

Lab File: VN064270.D

Acq: 22 Oct 2020 23:13

Tgt Ion:	91	Resp:	195569
Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.8	47.3





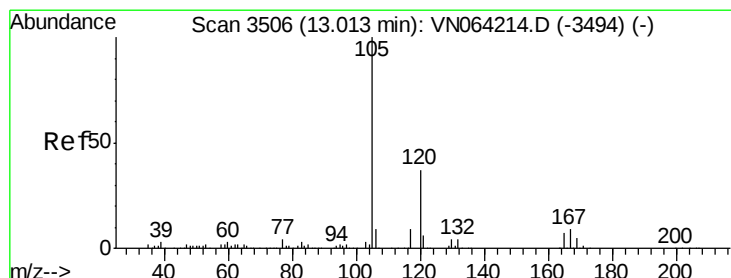
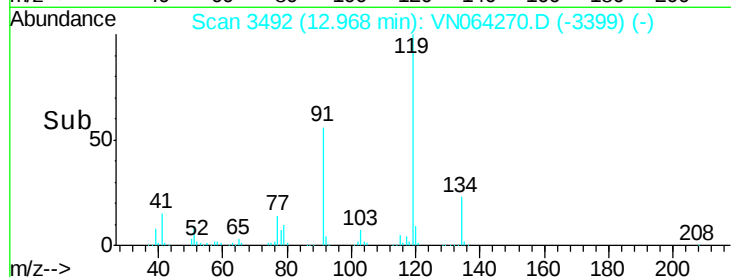
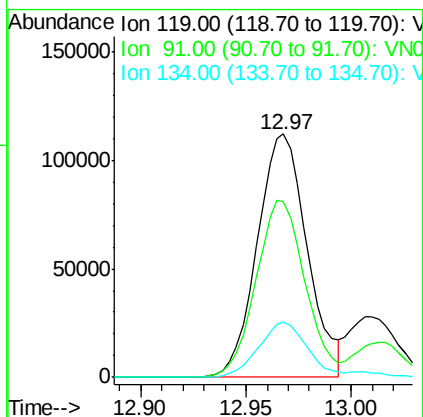
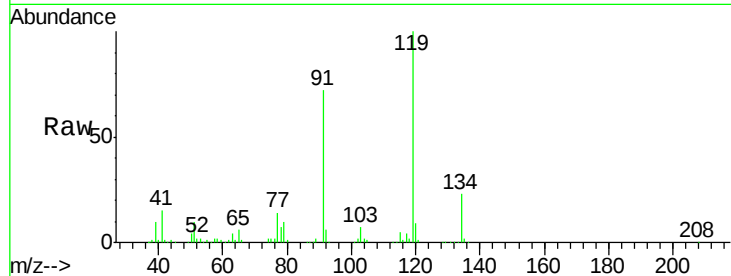
#83
tert-Butylbenzene
Concen: 18.977 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. -0.00 min
Lab File: VN064270.D
Acq: 22 Oct 2020 23:13

Instrument :
MSVOA_N
ClientSampleId :
VN1022MBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	184610		
91	71.4	35.1	105.3	
134	22.2	11.6	34.8	

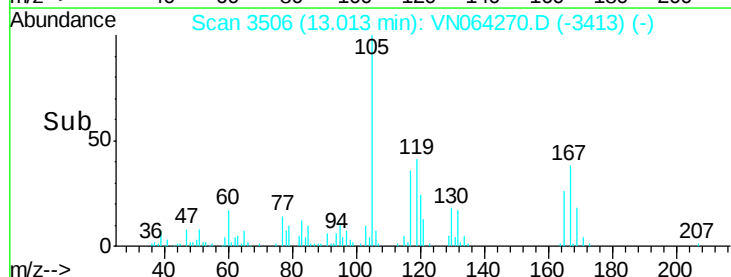
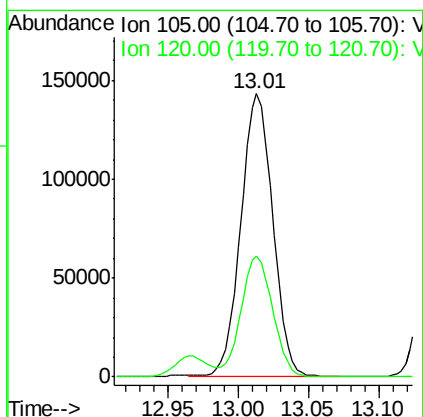
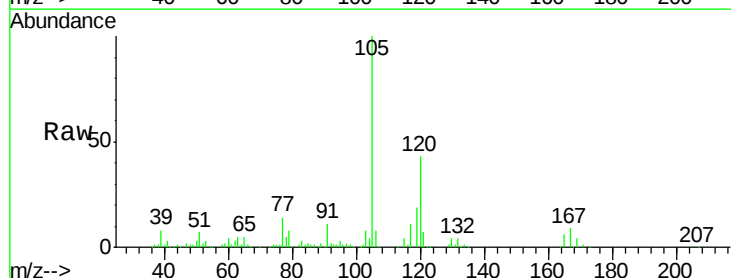
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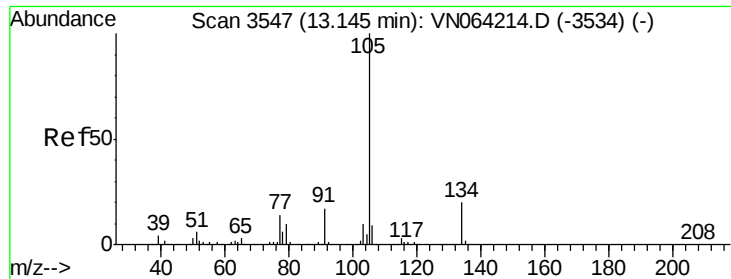
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#84
1,2,4-Trimethylbenzene
Concen: 19.381 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN064270.D
Acq: 22 Oct 2020 23:13

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	228886		
120	42.5	21.5	64.5	





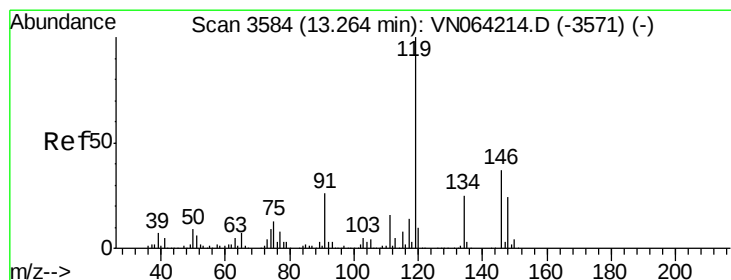
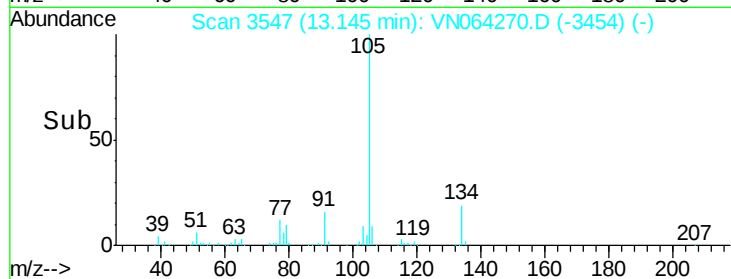
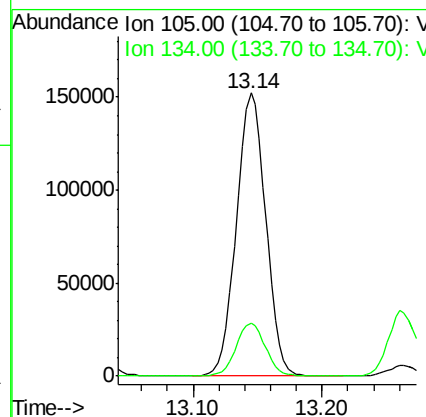
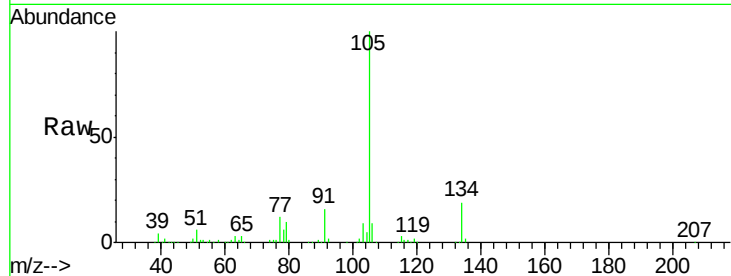
#85
 sec-Butylbenzene
 Concen: 19.602 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN064270.D
 Acq: 22 Oct 2020 23:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1022MBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	240402		
134	18.8	9.7	29.1	

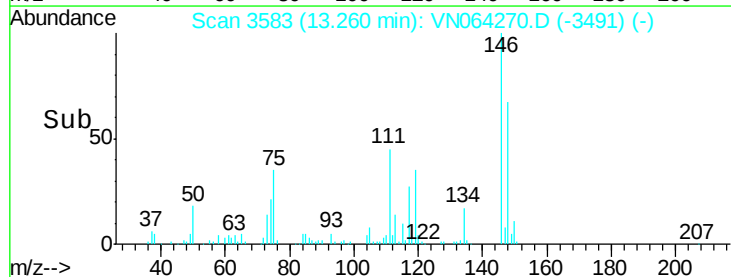
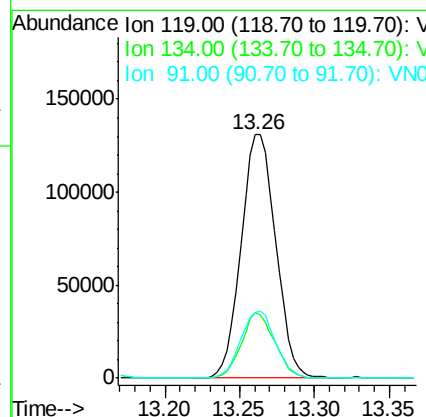
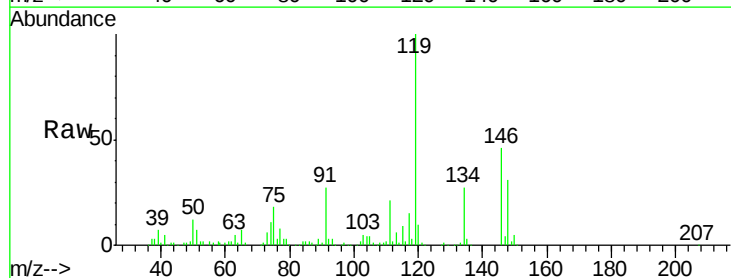
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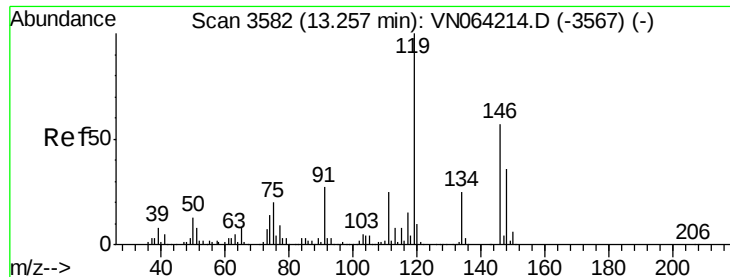
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#86
 p-Isopropyltoluene
 Concen: 18.945 ug/l
 RT: 13.26 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN064270.D
 Acq: 22 Oct 2020 23:13

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	211583		
134	25.5	13.1	39.3	
91	27.8	13.4	40.2	





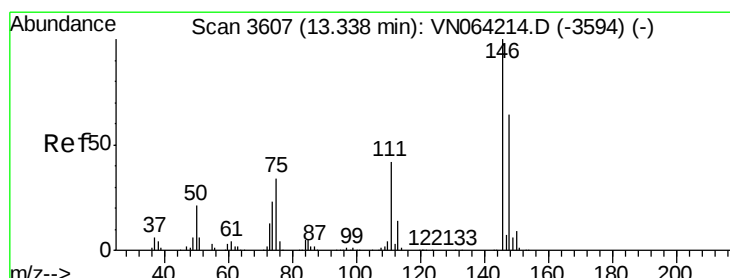
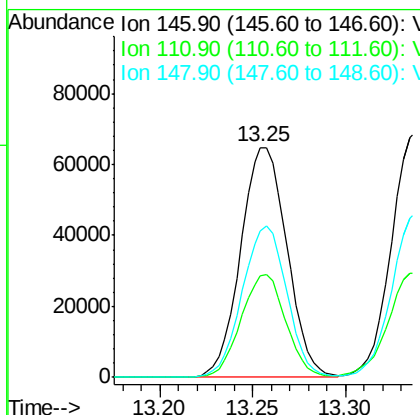
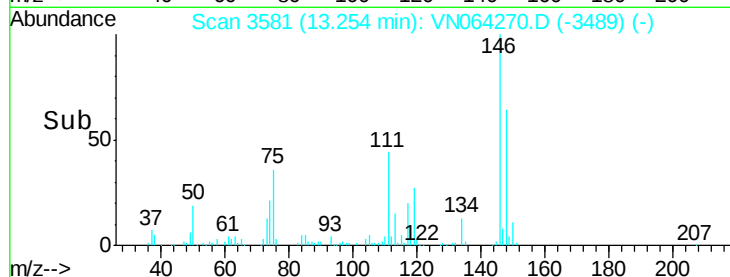
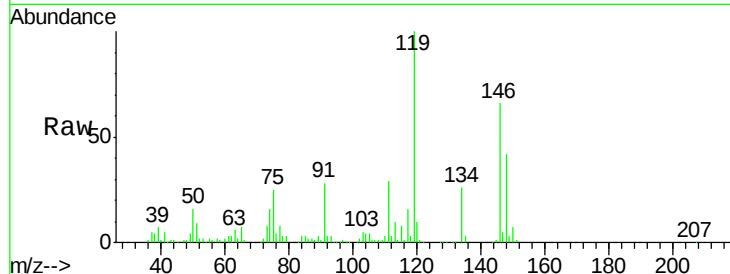
#87
 1,3-Dichlorobenzene
 Concen: 19.074 ug/l
 RT: 13.25 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN064270.D
 Acq: 22 Oct 2020 23:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1022MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.6	65.0
148	63.4	31.7	95.1

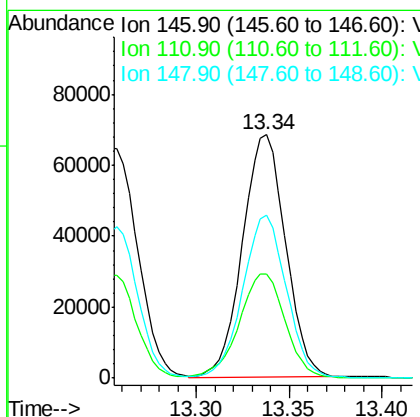
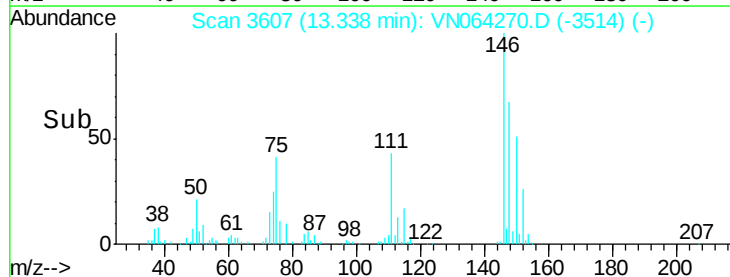
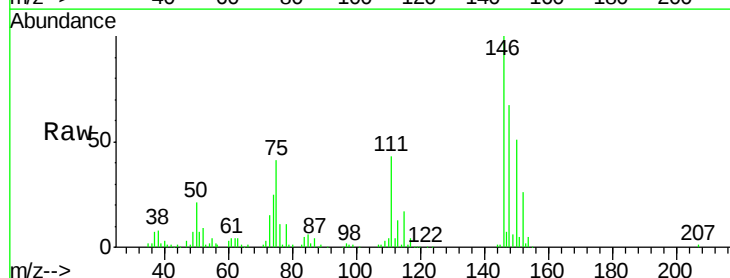
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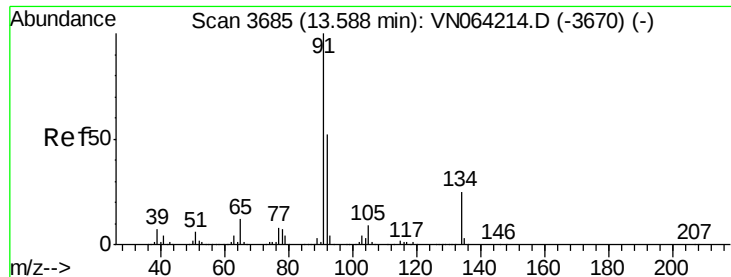
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#88
 1,4-Dichlorobenzene
 Concen: 18.318 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN064270.D
 Acq: 22 Oct 2020 23:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.5	21.5	64.5
148	68.1	32.0	96.0





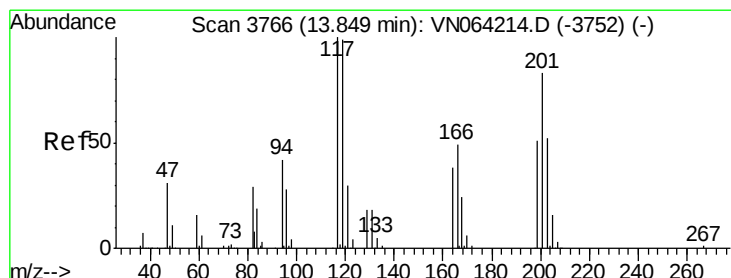
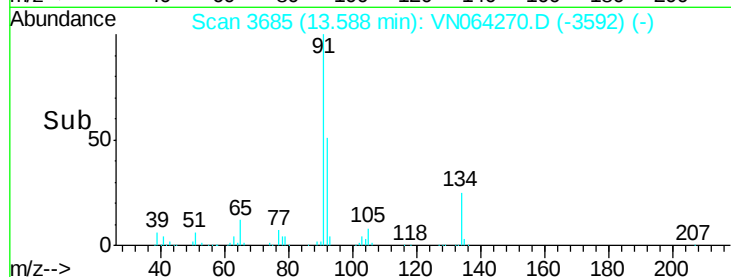
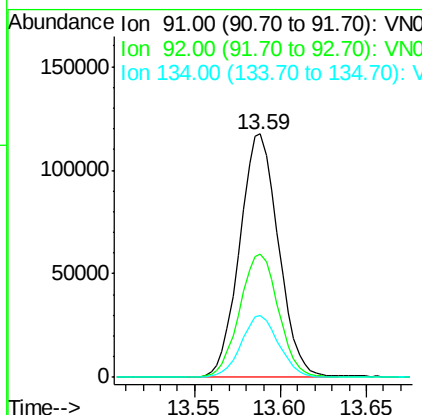
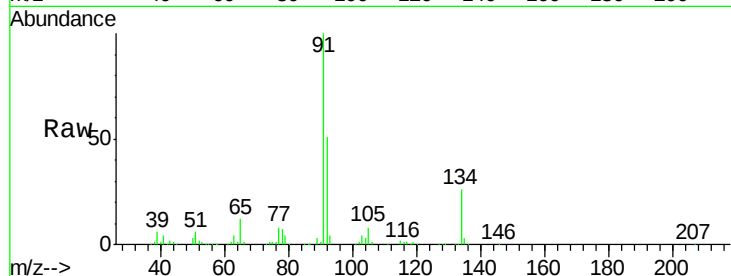
#89
n-Butylbenzene
Concen: 18.388 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN064270.D
Acq: 22 Oct 2020 23:13

Instrument :
MSVOA_N
ClientSampleId :
VN1022MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.8	25.7	77.0
134	24.7	12.3	36.8

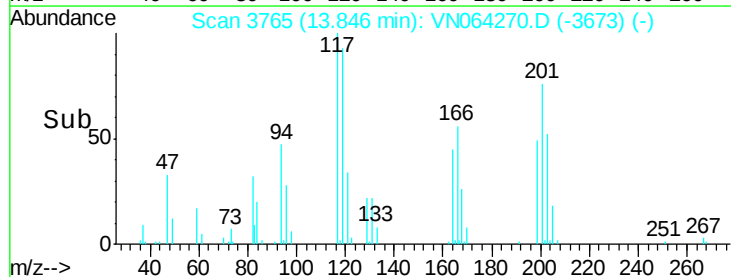
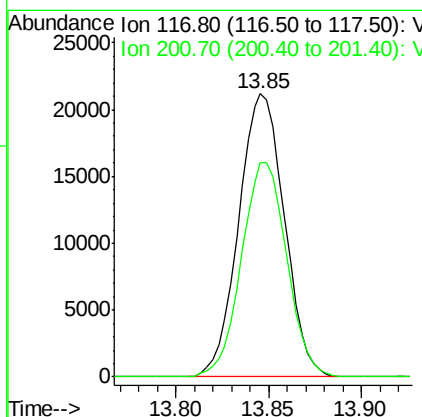
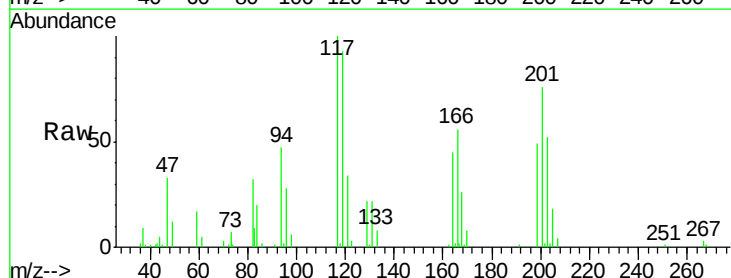
Manual Integrations
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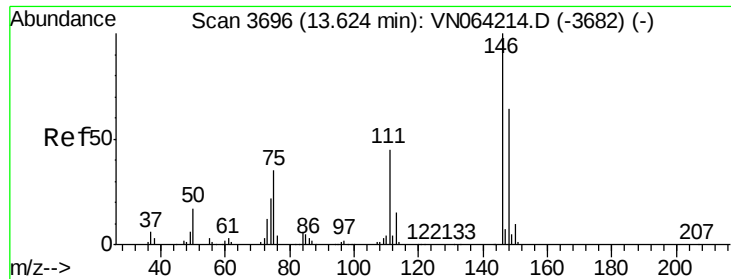
MMDadoda
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#90
Hexachloroethane
Concen: 17.882 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN064270.D
Acq: 22 Oct 2020 23:13

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.3	40.1	120.3





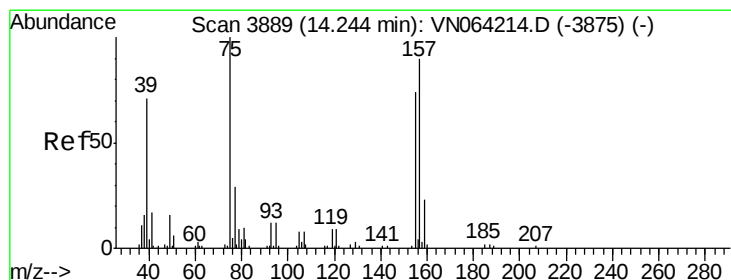
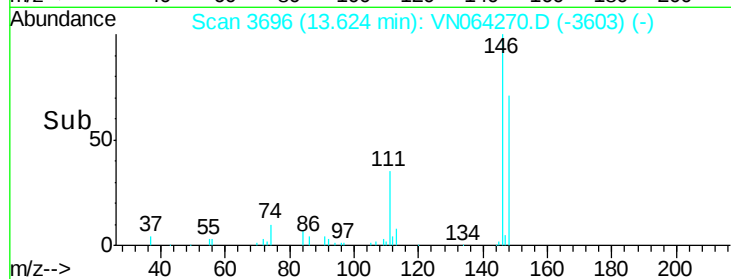
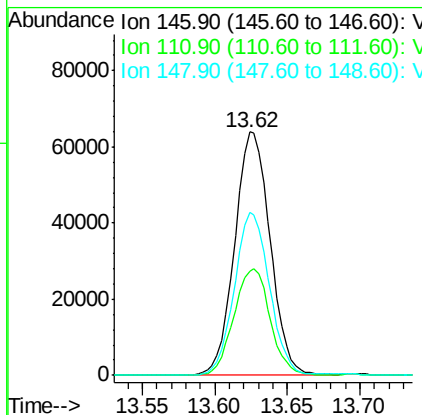
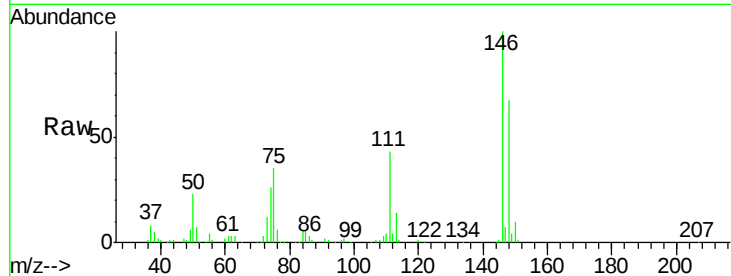
#91
 1,2-Dichlorobenzene
 Concen: 18.832 ug/l
 RT: 13.62 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN064270.D
 Acq: 22 Oct 2020 23:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1022MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.4	22.9	68.7
148	66.1	31.9	95.5

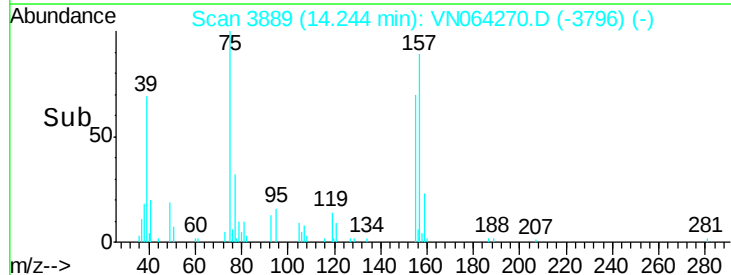
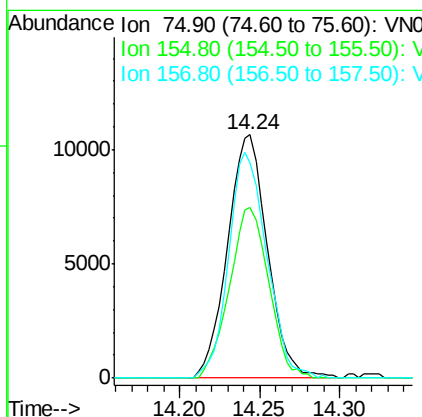
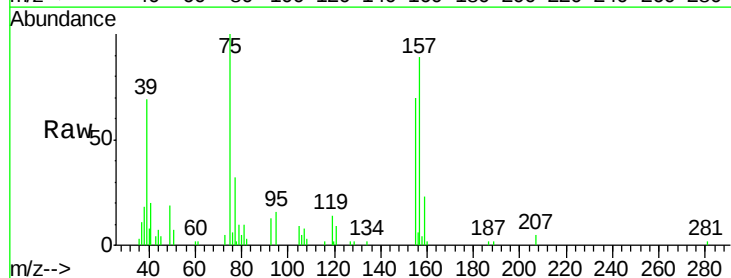
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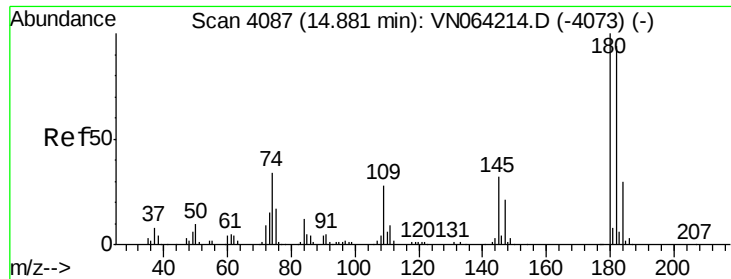
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.523 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. -0.00 min
 Lab File: VN064270.D
 Acq: 22 Oct 2020 23:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	68.5	36.9	110.7
157	88.7	44.6	133.8





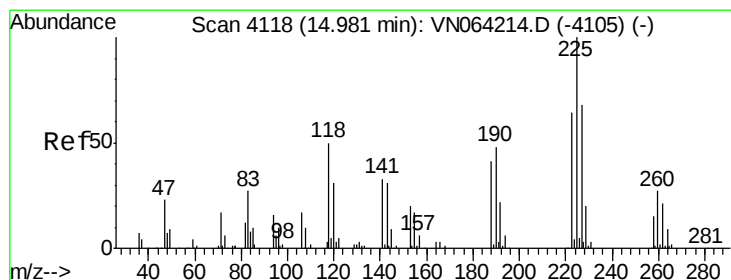
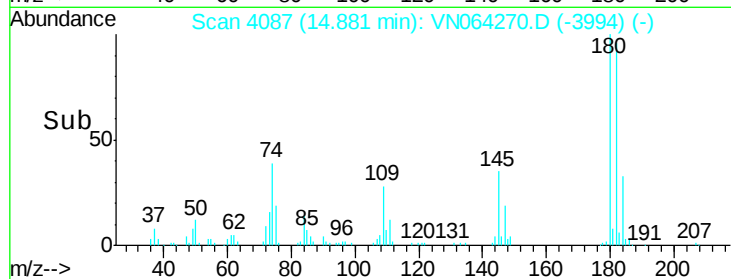
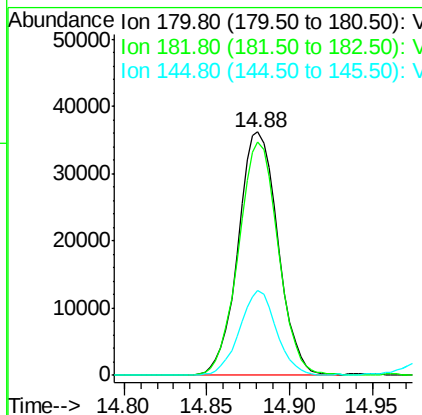
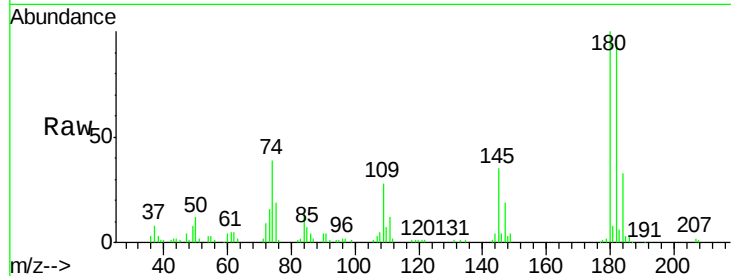
#93
 1,2,4-Trichlorobenzene
 Concen: 18.637 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN064270.D
 Acq: 22 Oct 2020 23:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1022MBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	60458		
182	95.1	46.9	140.7	
145	32.3	16.1	48.3	

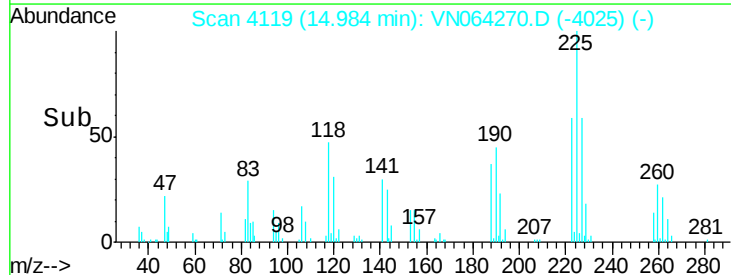
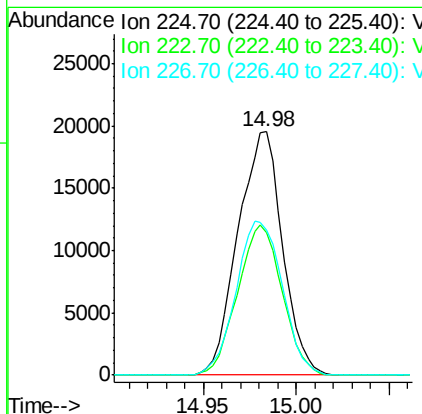
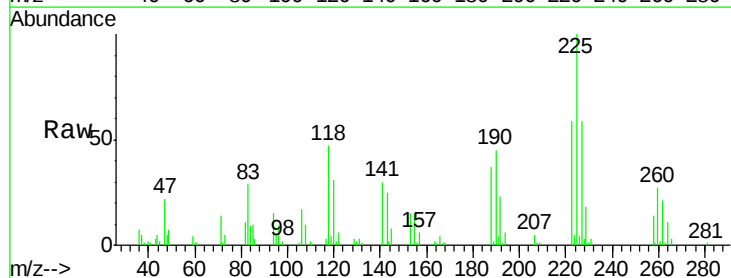
Manual Integrations
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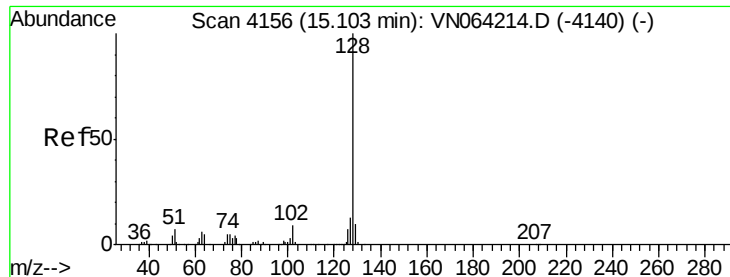
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#94
 Hexachlorobutadiene
 Concen: 18.579 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN064270.D
 Acq: 22 Oct 2020 23:13

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	32507		
223	61.7	31.5	94.5	
227	65.6	32.1	96.5	





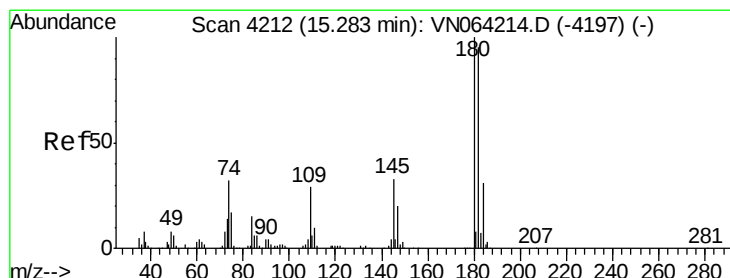
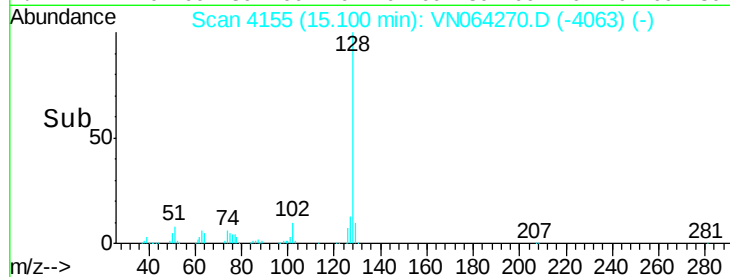
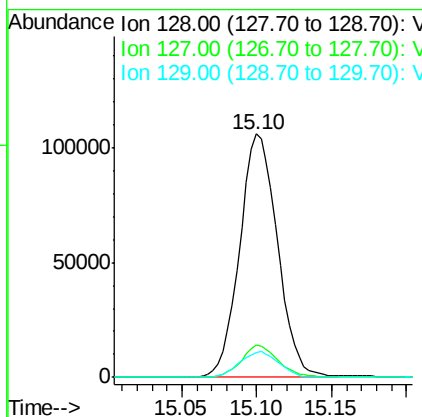
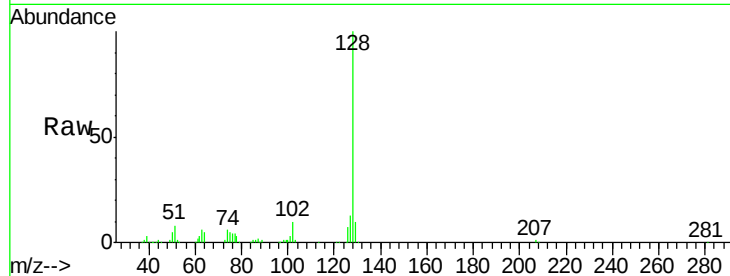
#95
Naphthalene
Concen: 19.197 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. -0.00 min
Lab File: VN064270.D
Acq: 22 Oct 2020 23:13

Instrument :
MSVOA_N
ClientSampleId :
VN1022MBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	10.8	8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 18.468 ug/l
RT: 15.28 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN064270.D
Acq: 22 Oct 2020 23:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	48.0	144.2
145	35.2	17.1	51.3

